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REMEDIAL INVESTIGATION REPORT

LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT

VOLUME II OF V
APPENDICES (A-G)

AUGUST 1992
REVISED DECEMBER 1992

Disclaimer:

This document is a DRAFT document prepared by the Respondent pursuant to a government administrative order which has not received final acceptance from the U.S. Environmental Protection Agency. The opinions, findings, and conclusions expressed are those of the authors and not those of the U.S. Environmental Protection Agency.

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APPENDIX A
ADMINISTRATIVE ORDER BY CONSENT

REMEDIAL INVESTIGATION REPORT
LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT
AUGUST 1992

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ATTACHMENT A
TO ADMINISTRATIVE ORDER BY CONSENT

STATEMENT OF WORK
FOR
REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY
FOR THE
LINEMASTER SWITCH CORPORATION
SUPERFUND SITE

RI/FS STATEMENT OF WORK
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STATEMENT OF WORK FOR REMEDIAL INVESTIGATION AND FEASIBILITY STUDY FOR THE LINEMASTER SWITCH CORPORATION SUPERFUND SITE

SECTION 1: OBJECTIVES, REPORTING REQUIREMENTS, AND SCHEDULE

I. OBJECTIVES

The primary objective of the Remedial Investigation and Feasibility Study (RI/FS) shall be to assess Site conditions and evaluate alternatives to the extent necessary to select a remedy for the Site, as defined in the Administrative Order by Consent (Consent Order), Docket no. [--------], that shall be consistent with the National Contingency Plan (NCP) and relevant guidance. The RI and FS shall be conducted simultaneously as integrated, phased studies leading to selection of a remedy. The integration and phasing of the RI and FS reflect the intent of EPA's developing policies for RI/FS studies as reflected in "Guidance for Conducting Remedial Investigation and Feasibility Studies Under CERCLA" (EPA/540/G-89/004, OSWER Directive 9355.3-01 October 1988) and the current National Contingency Plan (NCP) (40 CFR Part 300).

A. Remedial Investigation

The objectives of the RI portions are to:

1. define the source(s), nature, extent, and distribution of contaminants released;

2. determine and quantify any and all potential exposure pathways;

3. provide sufficient information to assess the risks to human health and to the environment; and

4. provide sufficient information to evaluate remedial alternatives, conceptually design remedial actions, select a remedy, and issue a record of decision.

If EPA at any time during or after the RI/FS process determines that any of these objectives are not fully met, additional work plans, studies or other appropriate activities shall be designed and performed until EPA decides that no further investigation is necessary to achieve the goals and intentions of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). EPA reserves the right to require that any of these items be performed by the respondent.

The RI shall include, but is not limited to, data gathering (samples, monitoring, and testing), and developing methodology, procedures and assessments for characterizing the physical and chemical attributes of the Site.

The procedures used to address the objectives listed above include, but are not limited to, evaluating all existing Site information including data generated by the Respondent, EPA, Connecticut Department of Environmental Protection (CT DEP), and their respective contractors; identifying data gaps; performing field sampling and laboratory analyses; conducting bench scale and/or field pilot studies; and consulting all available applicable, or relevant and appropriate human health and environmental regulations and/or laws.

B. Feasibility Study

The objectives of the FS portions are, without limitation, to:

1. review the applicability of various remedial technologies, including innovative technologies, to determine whether they are appropriate remedies for the Site;

2. determine if each alternative developed by combining technologies is effective, by evaluating in the short and long term whether it is:

   (a) effective,
   (b) implementable, and
   (c) cost effective, but cost shall only be used to evaluate alternatives of similar effectiveness;

3. evaluate each alternative or combination of alternatives through a detailed and comparative analysis based upon the nine (9) criteria listed in the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (EPA 540/G-89/004 OSWER Dir. 9355.3-01 October 1988) and any criteria identified in the effective NCP (40 CFR Part 300) or CERCLA as amended; and

4. provide direction to the RI portions to ensure that sufficient data of the appropriate type is gathered to select a remedy based on the factors mentioned in the objectives listed above.

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The FS includes, but is not limited to, conceptualizations, engineering analyses, cost analyses, and time frames for the achievement of clean-up goals.

II. REPORTING REQUIREMENTS

All data, methods, and interpretations must be:

A. scientifically and technically sound with all assumptions, biases, potential deficiencies, safety factors, and design criteria explicitly stated;

B. discussed with observations and interpretation clearly identifiable and distinguishable;

C. discussed with all supporting reference material clearly identified and included;

D. concisely illustrated and presented in separate graphs, charts, maps, plans and/or cross-sections where possible so that the text provides a discussion of such illustrations;

E. linked to each and every objective for which they were completed and to which they are applicable; and

F. sufficient to satisfy the objectives of the RI and FS listed above.

III. SCHEDULE: STEPS AND DELIVERABLES

A. RI/FS Steps

The Respondent shall perform the RI/FS as discussed in this section and as shown in Figure 1 and Table 1. The illustrated process is based on the current understanding of the Site. The integrated RI/FS process ensures an orderly selection of a remedy. Site data needed to perform the FS shall be identified as early as possible in the RI. However, the results of investigations during the RI/FS may require changes in the process.

The integrated RI/FS process described herein for the Site has five (5) predetermined major steps. Each step of the RI/FS process is associated with one or more phases of the RI or the FS and at least one deliverable, as shown in Table 1 and discussed in Sections 2 through 6. The RI has two phases, and the FS has two phases (see figure 1.1 in the Guidance for Conducting Remedial Investigations and Feasibility

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Studies under CERCLA OSWER Directive 9355.3-01, EPA 1988 and Table 1). In this Statement of Work, Phase 1 of the RI, the Initial Site Characterization has been divided into Phase 1A and Phase 1B Field Investigations.

B. RI/FS Deliverables

Deliverables for each step of the RI/FS are shown on Table 1 and Figure 1. The actual number of deliverables may vary depending on:

1. the types of deliverables proposed by the Respondent;

2. tasks within RI/FS steps, particularly the tasks planned for the scoping of the RI/FS (step 1) and the initial site characterization (step 2);

3. revisions based on EPA review;

4. requests for additional field studies, analyses, and documentation by EPA or the Respondent; and

5. the quality and completeness of the Respondent's work.

EPA will consult with CT DEP in its review of each major deliverable as described in the flowchart on Figure 1; however EPA retains the authority to approve or disapprove the deliverables.

C. RI/FS Schedule

Initiation of the schedule for the Respondent to deliver the Work Plan for the RI/FS, the data report, the initial site characterization report, and Phase 1B Work Plan shall be triggered by the effective date of the Consent Order to perform the RI/FS. Initiation of the other phases of the RI/FS shall be triggered by notice from EPA. EPA may give notice to start a component of the study even if prior steps have not been completed.

In addition to appearing as an attachment to the signed agreement, the schedule shall be included in the Work Plan for the RI/FS. It shall also accompany each of the major predetermined deliverables and monthly progress reports.

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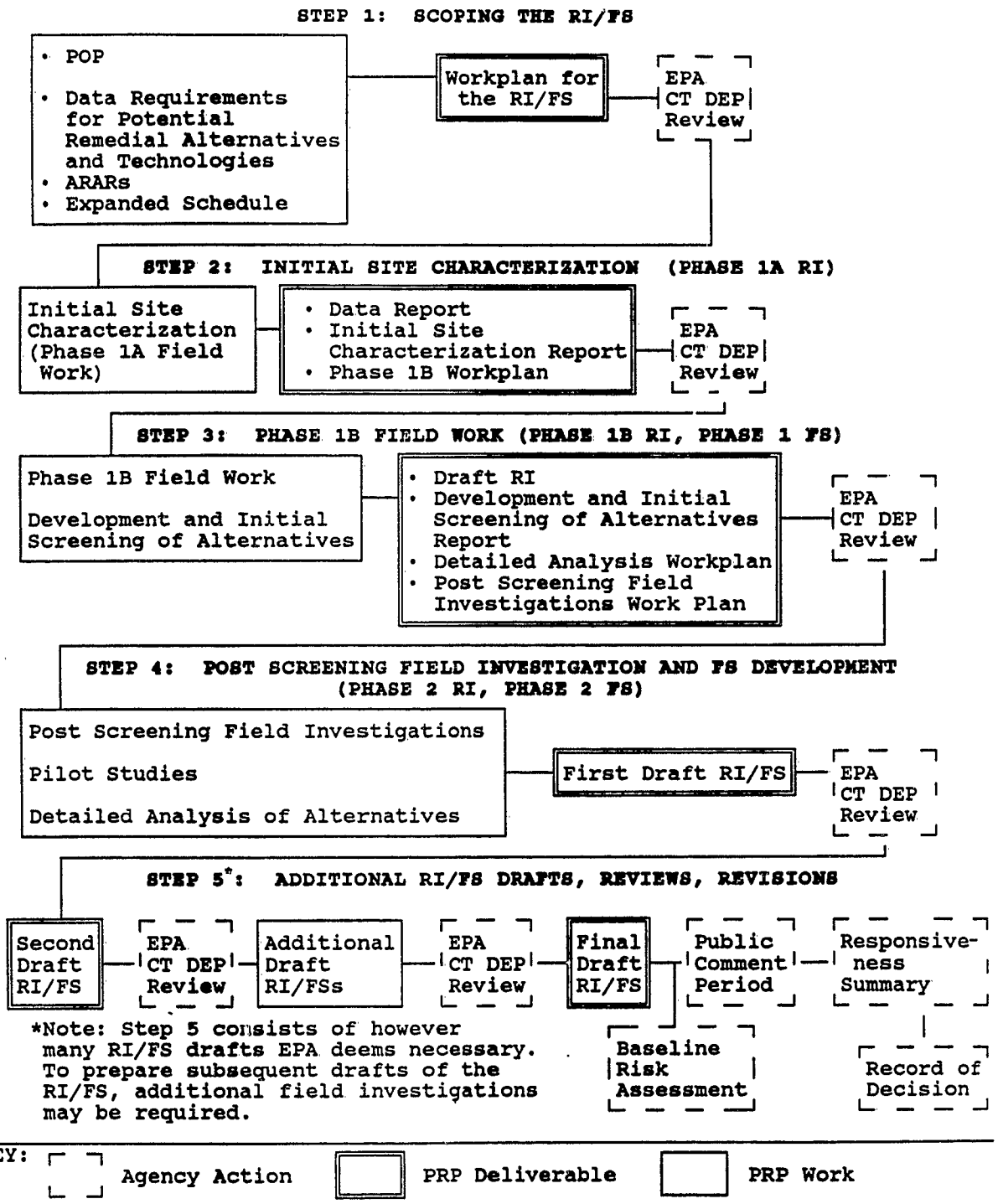

FIGURE 1. FLOW DIAGRAM OF RI/FS PROCESS

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TABLE 1

STEP	DELIVERABLE	DUE DATE
1. Scoping	Work Plan for the RI/FS	4 weeks after the effective date of the Consent Order[1]
2. Phase 1A RI	Data Report, Initial Site Characterization Report, Phase 1B Work Plan	4 weeks after the effective date of the Consent Order[1]
3. Phase 1B Field Work (Phase 1B RI) (Phase 1 FS)	Draft RI, Development and Screening of Alternatives Report, Detailed Analysis Work Plan, Post-Screening Field Investigation Work Plan	8 weeks after EPA notice to proceed with Phase 1B Field Work
4. Post-screening Field Investigation and FS Development (Phase 2 RI) (Phase 2 FS)	First draft RI/FS	8 weeks after EPA notice to proceed with Post-screening Field Investigation and FS Development
5. Additional RI/FS Drafts, Reviews, and Revisions	Second draft RI/FS and subsequent draft(s) of the RI/FS until a final RI/FS is accepted by EPA for public review and comment, a responsiveness summary is completed and a Record of Decision is signed	To be determined by EPA

[1] Linemaster may submit existing documents modified to include all requirements outlined in this Statement of Work. Deliverables must be delivered simultaneously to EPA and CT DEP.

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SECTION 2: SCOPING OF THE RI/FS

I. OBJECTIVES

The scoping of the RI/FS shall ensure that the Respondent:

A. understands the objectives of the RI/FS;

B. develops procedures to meet the RI/FS objectives, including those for field activities;

C. initiates the identification of federal or state Applicable or Relevant and Appropriate Requirements (ARARs) which shall provide criteria for remedy selection at the Site;

D. assembles and evaluates existing data, identifies data gaps, and resolves inconsistencies;

E. develops a conceptual understanding of the Site based on the evaluation of existing data;

F. identifies likely response scenarios and potentially applicable technologies and operable units that may address Site problems;

G. undertakes limited data collection efforts or studies where this information will assist in scoping the RI/FS or accelerate response actions, and begins to identify the need for treatability studies, as appropriate;

H. identifies the type, quality and quantity of the data needed to assess potential remedial technologies, to evaluate technologies that may be combined to form remedial alternatives, and to support decisions regarding remedial response activities;

I. prepares site-specific health and safety plans that shall specify, at a minimum, employee training and protective equipment, medical surveillance requirements, standard operation procedures, and a contingency plan that conforms with 29 CFR 1910.120(1)(1) and (1)(2);

J. develops sampling and analysis plans that shall provide a process for obtaining data of sufficient quality and quantity to satisfy data needs; and

K. drafts the negotiated schedule which shows the flow of studies and the submission of deliverables.

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II. DELIVERABLES

A. Overview

In scoping the RI/FS, the Respondent shall deliver to EPA and CT DEP the following in writing:

1. Project Operations Plan;
2. Applicable or Relevant and Appropriate Requirements (ARARs);
3. Data Requirements of Potential Remedial Alternatives and Technologies;
4. Expanded Schedule for the RI/FS.

Collectively, these documents are referred to as the Work Plan for the RI/FS in Figure 1, Table 1, and elsewhere in this document. The initial Work Plan for the RI/FS shall describe necessary studies to be done during the Phase 1A of the Initial Site Characterization. The Work Plan for the RI/FS shall be revised as necessary, and revisions submitted prior to each subsequent phase of work as described in Table 1.

To reduce the submittal of repetitive information contained within each of the elements of the Work Plan, the Respondent shall provide the appropriate cross-references at key places within each document.

B. Project Operations Plan

Before Phase 1A of the remedial investigation field activities, several site-specific plans shall be written to establish procedures to be followed by the Respondent in performing field, laboratory, and analysis work and community and agency liaison activities. These site-specific plans include the:

1) Site Management Plan;
2) Sampling and Analysis Plan (SAP) which includes the Field Sampling Plan (FSP) and the Quality Assurance Project Plan (QAPP);
3) Health and Safety Plan (HSP); and
4) Community Relations Support Plan.

The Respondent shall combine these plans to prepare the Project Operations Plan (POP). As illustrated in Figure 1, the POP is part of the Work Plan for the RI/FS. The POP is subject to EPA review, subsequent requests by EPA for revision, and rewriting by the Respondent before the commencement of RI field work at the Site. The four components of the POP are discussed in the following Sections.

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The respondent shall modify the format and scope of each plan as needed to describe the sampling, analyses, and other activities that are clarified as the RI/FS progresses. These activities include on-site pilot studies of remedial treatments, laboratory bench scale studies, and subsequent rounds of field sampling. EPA may modify the scopes of these activities at any time during the RI/FS at the discretion of EPA in response to the evaluation of RI/FS results, changes in RI/FS requirements, and other developments or circumstances.

1. Site Management Plan

The overall objective of the Site Management Plan is to provide EPA with a written understanding and commitment of how various project aspects such as access, security, contingency procedures, management responsibilities, waste disposal, budgeting, and data handling are being managed by the Respondent. As part of the plan, the Respondent shall include, at a minimum:

a. a map and list of properties, the property owners, and addresses of owners to whose property access may be required;

b. a clear indication of the exclusion zone, contamination reduction zone, and clean area for on-site activities;

c. necessary procedures and sample letters to land owners to arrange field activities and to ensure EPA and CT DEP are abreast of access-related problems and issues;

d. a provision for the security of government and private property on the Site;

e. measures to prevent unauthorized entry to the Site, which might result in exposure of persons to potentially hazardous conditions;

f. the location of a field office for on-site activities;

g. contingency and notification plans for potentially dangerous activities associated with the RI/FS;

h. provision for the monitoring of airborne contaminants released by Site activities which may affect the local populations;

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i. communication to EPA, CT DEP, and the public the organization and management of the RI/FS, including key personnel and their responsibilities;

j. a list of potential contractors and subcontractors of the Respondent in the RI/FS and a description of their activities and roles;

k. provisions to provide regular financial reports of Respondent expenditures on RI/FS activities to EPA;

l. provision for the proper disposal of materials used and wastes generated during the RI/FS (e.g., drill cuttings, extracted ground water, protective clothing, disposable equipment). These provisions shall be consistent with the offsite disposal aspects of SARA, RCRA, and applicable state laws. The Respondent, a representative of the Respondent, or another party acceptable to EPA shall be identified as the generator of wastes for the purpose of regulatory or policy compliance;

m. plans and procedures for organizing, manipulating, and presenting the data generated and for verifying its quality before and during the RI/FS. These plans shall include the description of the proposed computer data base management system that is compatible with hardware and software available to EPA Region I personnel for handling media-specific sampling results obtained before and during the RI/FS. The description shall include data input fields, examples of data base management output from the coding of all pre-RI/FS sample data, appropriate quality assurance/quality control to ensure accuracy, and capabilities of data manipulation. To the degree possible, the data base management parameters shall be compatible with the EPA Region I data storage and analysis system.

2. <u>Sampling and Analysis Plan (SAP)</u>

The purpose of the Sampling and Analysis Plan is to ensure that sampling data collection activities will be comparable to and compatible with previous data collection activities performed at the site while providing a mechanism for planning and approving field activities.
The overall objectives of the sampling and analysis plan are as follows:

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a. to document specific objectives, procedures, and rationales for field work and sample analytical work;

b. to provide a mechanism for planning and approving site and laboratory activities;

c. to ensure that sampling and analysis activities are necessary and sufficient; and

d. to provide a common point of reference for all parties to ensure the comparability and compatibility of all objectives and of sampling and analysis activities.

The first SAP shall be the framework of all anticipated field activities (e.g., sampling objectives, evaluation of existing data, standard operating procedures) and contain specific information on the Phase 1A field work (e.g., sampling locations and rationale, sample numbers and rationale, analyses of samples). During the RI/FS, the SAP shall be revised as necessary to cover each round of field or laboratory activities. Revisions or a statement regarding the need for revisions shall be included in each deliverable describing new field work, including the Phase 1B Work Plan and the Post-Screening Field Investigation Work Plan.

The SAP consists of two parts: (1) a Quality Assurance Project Plan (QAPP) and (2) the Field Sampling Plan (FSP). Components of these two individual plans are described in the following sections. In addition, the FSP and QAPP should be submitted as a single document (although they may be bound separately to facilitate use of the FSP in the field).

The SAP shall specify in the FSP provisions for notifying EPA and CT DEP four (4) weeks before initiation of field sampling or monitoring activities. The plan shall also allow split, replicate, or duplicate samples to be taken by EPA, CT DEP (or their contractor personnel), and by other parties approved by EPA. At the request of EPA or CT DEP, the Respondent shall provide these samples in appropriate containers to the government representatives. Identical procedures shall be used to collect the Respondent, EPA and CT DEP parallel samples unless otherwise specified by EPA or CT DEP.

Guidance on the topics covered in the QAPP and FSP and their integration into each of these plans and the integration of the QAPP and the FSP into the SAP can be

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found in the following several references and shall be used to develop the SAP:

Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (OSWER Directive 9355.3-01, EPA/540/G-89/004, October 1988);

Data Quality Objectives for Remedial Response Activities Development Process (OSWER Directive 9355.0-7, EPA/540/G-87/003, March 1987);

Draft Data Quality Objectives for Remedial Response Activities, Example Scenario: RI/FS Activities at a Site with contaminated Soil and Ground Water (OSWER Directive 9355.0-7B, EPA/540/G-87/002, March 1987); and

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA Pub. SW-846, Third Edition).

2A. Quality Assurance Project Plan (QAPP)

The Quality Assurance Project Plan (QAPP) shall document in writing site-specific objectives, policies, organizations, functional activities, and specific quality assurance/ quality control activities designed to achieve the data quality objectives (DQOs) of the RI/FS. The QAPP shall cover all environmentally related measurements. The QAPP developed for this project shall document quality control and quality assurance policies, procedures, routines, and specifications.

All project activities throughout the RI/FS shall comply with the QAPP. All QAPP sampling and analysis objectives and procedures shall be consistent with Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans (EPA, 1983 - EPA/QAMS 005/80) and appropriate EPA handbooks, manuals, and guidelines including Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA Pub. SW-846, Third Edition, as amended by update 1) and Guidelines Establishing Test Procedures for the Analysis of Pollutants (40 CFR, Part 136).

The 16 basic elements of the QAPP are:

1) title page with provision for approval signatures of principal investigators;

2) table of contents;

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3) project description;

4) project organization and responsibility;

5) quality assurance objectives for measurement data, in terms of precision, accuracy, completeness, representativeness, and comparability;

6) sampling procedures;

7) sample custody;

8) calibration procedures and frequency;

9) analytical procedures, which must be EPA approved or equivalent methods;

10) data reduction, validation, and reporting;

11) internal quality control checks and frequency;

12) performance and system audits and frequency;

13) preventive maintenance procedures and schedules;

14) specific routine procedures to be used to assess the precision, accuracy, and completeness of data and to assess specific measurement parameters involved;

15) corrective action; and

16) quality assurance reports to management.

As indicated in EPA/QAMS-005/80, the above list of essential elements must be considered in the QAPP for the RI/FS. If a particular element is not relevant to a project and therefore excluded from the QAPP, specific and detailed reasons for exclusion must be provided.

Information in a plan other than the QAPP may be cross-referenced clearly in the QAPP provided that all objectives, procedures, and rationales in the documents are consistent, and the reference material fulfills the requirements of EPA/QAMS-005/80. Examples of how this cross reference might be accomplished can be found in the Data Quality Objectives for Remedial Response Activities (OSWER Directive 9355.0-7B) and the Data

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Quality Objectives for Remedial Response Activities, Example Scenario (OSWER Directive 9355.0-7B). EPA-approved references, or equivalent, or alternative methods approved by EPA shall be used, and their corresponding EPA-approved guidelines shall be applied when they are available and applicable.

Laboratory QA/QC Procedures

The QA/QC procedures for any laboratory used during the RI/FS shall be included in the Respondent QAPP. When this work is performed by a contractor to a private party, each laboratory performing chemical analyses shall meet the following requirements:

1) be approved by the State Laboratory Evaluation Program, if available;

2) have successful performance in one of EPA's National Proficiency Sample Programs (i.e., Water Supply or Water Pollution Studies or the State's proficiency sampling program);

3) be familiar with the requirements of 48 CFR Part 1546 contract requirements for quality assurance; and

4) have a QAPP for the laboratory including all relevant analysis. This plan shall be referenced as part of the contractor's QAPP.

Data Validation Procedures

The Respondent are required to certify that all data has been validated by an independent person according to the Region I Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses and the Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (amended as necessary to account for the differences between the approved analytical methods for the project and the Contract Laboratory Procedures (CLP) procedures). Approved validation methods shall be contained in the QAPP.

The independent person shall not be the laboratory conducting the analyses and should be a person with a working knowledge of or prior experience with EPA data validation procedures. The independent person shall certify that the data has been validated, discrepancies have been resolved if possible, and the appropriate qualifiers have been provided.

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The Respondent must keep the complete data package and make it available to EPA on request in order for EPA to conduct an independent validation of the data. The complete data package shall consist of all results, the raw data, and all relevant QA/QC information. An example set of data package deliverables is listed below.

1) a summary of positive results and detection limits of non-detects with all raw data;

2) tabulated surrogate recoveries and QC limits from methods 3500 and 8000 in SW-846 and all validation and sample raw data;

3) tabulated matrix spike/matrix spike duplicate recoveries, relative percent differences, spike concentrations, and QC limits from methods 3500 and 8000 in SW-846 and all validation and sample raw data;

4) associated blanks (trip, equipment, and method) with accompanying raw data for tests;

5) tabulated initial and continuing calibration results (concentrations, calibration factors or relative response factors and mean relative response factors, % differences and % relative standard deviations) with accompanying raw data;

6) tabulated retention time windows for each column;

7) a record of the daily analytical scheme (run logbook, instrument logbook) which includes samples and standards order of analysis;

8) the chain of custody for the sample shipment groups, SAS packing slip, SAS request forms;

9) a narrative summary of method and any problems encountered during extraction or analysis;

10) tabulated sample weights, volumes, and % solids used in each sample calculation;

11) example calculations for positive values and detection limits; and

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12) SW-846 method 3500 and 8000 validation data for all tests.

The forms contained in Chapter 1 of SW-846 (Second Edition 1982 as amended by Update I, April 1984, and Update II, April 1985) must be utilized to report the data when applicable. Raw data includes the associated chromatograms and the instrument printouts with area and height peak results. The peaks in all standards and samples must be labelled. The concentration of all standards analyzed with the amount injected must be included.

2B. Field Sampling Plan (FSP)

The objective of the Field Sampling Plan is to provide EPA and all parties involved with the collection and use of field data with a common written understanding of all fieldwork. The FSP shall address the RI/FS objectives and conform to the procedures in Section 2 of this document and the National Contingency Plan (NCP).

The FSP shall define in detail the sampling and data gathering methods used on a project. The FSP should be written so that a field sampling team unfamiliar with the Site would be able to gather the samples and field information required. Guidance for the selection of field methods, sampling procedures, and custody can be acquired from the Compendium of Superfund Field Operations Methods, (OSWER Directive 9355.0-12, EPA/540/P-87/001), which is a compilation of demonstrated field techniques that have been used during remedial response activities at hazardous waste sites.

The FSP shall be site-specific and shall include the following information:

Site Background The analysis of the existing Site details must be included in the FSP. This analysis shall include a conceptual Site model. A conceptual Site model includes a description of the Site and surrounding areas and a discussion of known and suspected contaminant sources, probable transport pathways, and other information about the Site. The FSP shall also include descriptions of specific data gaps and ways in which sampling is designed to fill those gaps.

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Sampling Objectives Specific objectives of a sampling effort that describe the intended uses of data must be clearly and succinctly stated.

Sample Location, Analytes, and Frequency This section of the sampling plan identifies each sample matrix to be collected and the constituents to be analyzed. Tables shall be used to clearly identify the number of samples to be collected along with the appropriate number of replicates and blanks. Figures shall be included to show the locations of existing or proposed sample points.

Sample Designation A sample numbering system shall be established. The sample designation should include the sample or well number, the sample round, the sample matrix (e.g., surface soil, ground water, soil boring), and the name of the Site.

Sampling Equipment and Procedures Sampling procedures must be clearly written. Step-by-step instructions for each type of sampling are necessary to enable the field team to gather data that shall meet the Data Quality Objectives (DQOs). A list should include the equipment to be used and the material composition (e.g., Teflon, stainless steel) of equipment along with decontamination procedures.

Sampling Handling and Analysis A table shall be included that identifies sample preservation methods, types of sampling jars, shipping requirements, and holding times. Examples of paperwork such as traffic reports, chain of custody forms, packing slips, and sample tags filled out for each sample as well as instructions for filling out the paperwork must be included. Field documentation methods including field notebooks and photographs shall be described.

Each Field Sampling Plan submitted as a part of the Work Plan for the RI/FS shall be sufficiently detailed to carry out the study, and shall provide data needed to fully address the objective of the study and to complete the study. Each study shall be designed to achieve a high performance on the first attempt. Each work plan shall be related (by cross-references) to the other requirements in the Project Operations Plan.

In the initial Field Sampling Plan for the RI/FS (Phase 1A), the Respondent shall include plans that describe how each of the following and other necessary studies shall be done during the Initial Site Characterization. See Section 3 of this document to facilitate

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understanding of the type and quality of the deliverable required for each activity of the Site characterization.

1) site survey;

2) soils and sources of contaminants;

3) subsurface and hydrogeological factors;

4) air quality;

5) surface water and sediment sampling;

6) ecological assessment;

7) long-term monitoring and sampling; and

8) treatability and pilot studies.

The complete results of these studies shall be described in the Initial Site Characterization Report. The validated data from these studies and the Initial Site Characterization Report shall be submitted according to the schedule (Table I of this document).

3. Health and Safety Plan

The objective of the site-specific Health and Safety Plan (HSP) is to establish the procedures, personnel responsibilities, and training necessary to protect the health or safety of all on-site personnel during the RI/FS. The plan shall provide for routine but hazardous field activities and for unexpected Site emergencies.

The site-specific health or safety requirements and procedures in the HSP shall be based on an ongoing assessment of Site conditions, including the most current information on each medium. For each field task during the RI/FS, the HSP shall identify:

a. possible problems and hazards and their solutions;

b. environmental surveillance measures;

c. specifications for protective clothing;

d. the appropriate level of respiratory protection;

e. the rationale for selecting that level; and

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f. criteria, procedures, and mechanisms for upgrading the level of protection and for suspending activity, if necessary.

The HSP shall also include the delineation of exclusion areas on a map and describe provisions for this delineation in the field. The HSP shall indicate the on-site person responsible for implementing the HSP as a representative of the Respondent, protective equipment, personnel decontamination procedures, and medical surveillance. The following documents shall be consulted:

Interim Standard Operations Safety Guides, (Hazardous Response Support Division, Office of Emergency and Remedial Response EPA, Wash. D.C. 1982);

Hazardous Waste Operations and Emergency Response, (Department of Labor, Occupational Safety and Health Administration, (OSHA) 29 CFR Part 1910); and

Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities; Appendix B, (NIOSH/OSHA/USCG/EPA 1985).

OSHA regulations at 40 CFR 1910 and Chapter 9 of the Interim Standard Operating Safety Guide, which describes the routine emergency provisions of a site-specific health and safety plan, shall be the primary reference used by the Respondent in developing and implementing the Health and Safety Plan.

The measures in the HSP shall be developed and implemented to ensure compliance with all applicable State and Federal occupational health and safety regulations. The HSP shall be consistent with the objectives and contents of all other plans submitted by the Respondent. The HSP shall be updated at the request of EPA during the course of the RI/FS, and as necessary.

4. Community Relations Support Plan (CRSP)

EPA shall develop a Community Relations Plan (CRP) to describe public relations activities anticipated during the RI/FS. The Respondent shall develop a Community Relations Support Plan, whose objective is to ensure and specify adequate support from the Respondent for the community relations efforts of EPA. This support shall be at the request of EPA and may include, at a minimum:

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a. participation in public informational or technical meetings, including the provision of visual aids and equipment;

b. publication and copying of fact sheets or updates; and

c. assistance in preparing a responsiveness summary after the RI/FS public comment period.

C. Applicable or Relevant and Appropriate Requirements

The Respondent shall identify all probable federal Applicable or Relevant and Appropriate Requirements (ARARs), identify State ARARs and identify any local requirements. Applicable requirements are those cleanup standards, standards of control, and other substantive requirements, criteria, or limitations promulgated under Federal environmental or State environmental or facility siting laws that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstances at a CERCLA site. Relevant and appropriate requirements are those cleanup standards, standards of control, and other substantive requirements, criteria, or limitations promulgated under Federal or State environmental or facility siting laws that, while not applicable to a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstances at a CERCLA site, address problems or situations sufficiently similar to those encountered at the CERCLA Site that their use is well suited to the particular site.

In addition to ARARs, the Respondent shall also make preliminary determinations on the extent that other publicly available criteria, advisories, and guidances are pertinent to the hazardous substances, location of the Site, and remedial actions. ARARs and other criteria, advisories, and guidances shall be:

1. considered in terms of their chemical-specific, location-specific, and action-specific attributes;

2. evaluated for each medium (surface water, ground water, sediment, soil, air, biota, and facilities), particularly for chemical-specific ARARs, but including other ARARs as appropriate;

3. distinguished for each technology considered, particularly for action-specific ARARs, but including other ARARs as appropriate; and

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4. considered at each major step of the RI/FS where they are indicated.

In general, identification of chemical and location specific ARARs is more important in the beginning steps of the RI/FS, whereas the identification of action-specific ARARs gain importance later, during the more FS-oriented steps. If a requirement is determined to be not applicable, the Respondent shall subsequently consider whether it is relevant and appropriate. When any new site-specific information becomes available, ARARs should be re-examined.

Chemical-specific ARARs are usually health or risk-based numerical limits on the amount of, or concentration of, a chemical that may be found in, or discharged to the ambient environment. The Maximum Contaminant Levels (MCLs) of the Safe Drinking Water Act (SDWA, 1986) and the Federal Ambient Water Quality Criteria of the Clean Water Act are examples of chemical-specific ARARs. Additive risks shall be evaluated and, if appropriate, shall be utilized as a remediation goal.

Location-specific ARARs are general restrictions placed upon the concentration of hazardous substances or the conduct of activities solely because they are in special locations. Some examples of special locations include, but are not limited to, floodplains, wetlands, historic places, places with objects of archaeological significance, and sensitive ecosystems or habitats. A few examples of possible location-specific ARARs are the Floodplain Management Executive Order (Federal Register, 1977a - E.O. 11988), the Protection of Wetlands Executive Order (Federal Register, 1977 - E.O. 11990), and the regulations promulgated pursuant to the National Historic Preservation Act of 1966 and any and all of its subsequent amendments.

Action-specific ARARs are usually technology-based or activity-based directions or limitations which control actions taken at CERCLA sites. Action-specific ARARs, as the name implies, govern the remedial actions. The RCRA 40 CFR Part 264, Subpart G Closure Regulations, the RCRA 40 CFR Part 264, Subpart O Incineration Regulations, and the land disposal restrictions set forth by the Hazardous and Solid Waste Amendments Act of 1984 are a few examples of possible action-specific ARARs.

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As part of the Work Plan for the RI/FS, the Respondent shall provide a list in the form of a chart of ARARs and publicly available EPA criteria, advisories, and guidances, and limitations which should initially be exhaustive of all such requirements. The description shall briefly describe the requirements and shall include: if it is a numerical requirement; what it is based upon (i.e., health, technical practicality); and what media it is designed for (i.e., surface water, ambient air, etc.). The list shall indicate whether each requirement is: potentially applicable or relevant and appropriate; chemical-specific, location-specific, or action-specific; pertinent to surface water, ground water, soil, air, biota, or facilities; and affixed with specific levels or goals to be attained. If specific levels or goals are affixed, they must be enumerated in the chart.

Data requirements in terms of physical and chemical characteristics needed to evaluate ARARs shall be considered as part of the scoping. Such requirements may include but are not limited to chemical residuals, background levels, or various modeling parameters. Such data requirements shall be satisfied during Phase I of the RI to the extent possible, rather than during the later phases of the RI/FS. The Respondent shall identify attributes necessary to achieve specific levels or goals, and include appropriate procedures in the Initial Site Characterization (Phase I RI) discussed in Section 3.

The following shall be consulted during the ARAR identification process:

CERCLA Compliance with Other Laws Manual: Draft Guidance (August 1988, EPA/540/G-89/006).

CERCLA Compliance with Other Laws Manual: Part II. Clean Air Act and Other Environmental Statutes and State Requirements (August 1989, EPA/540/G-89/009).

Section 4 of Guidance of Feasibility Studies Under CERCLA (EPA, 1985c - EPA/540/G-85/003), and Appendix E of the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (EPA/540/G-89/004,OSWER Directive 9355.3-01, EPA October 1988) present a partial list of potential ARARs. Additional ARARs must be sought by the Respondent during a thorough search of applicable Federal and State environmental statutes and regulations.

The Respondent shall identify all site-specific ARARs.

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At a minimum, chemical- and location-specific ARARs shall be identified after the Initial Site Characterization and after Phase 1B, and the action-specific ARARs shall be identified after the Development and Initial Screening of the Remedial Alternatives. EPA shall have final authority in deciding which ARARs are retained or added for consideration, and the extent to which they must be considered in remedy selection. Sufficient justifications for incorporating or dropping a requirement shall be provided at each step where such decisions are made.

The following paragraphs partially list potential ARARs for the Site. The list is not complete because the major investigative effort at the Site has not been performed. However, the list shall be used to focus tasks during the RI/FS.

Safe Drinking Water Act

National Primary Drinking Water Standards, Maximum Contaminant Levels (40 CFR 141): The maximum level of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of a public water system.

Maximum Contaminant Level Goals (40 CFR 141): The maximum contaminant level in drinking water at which no known or anticipated adverse effect on the health of persons would occur, and which allows an adequate margin of safety.

Secondary Drinking Water Standards, Secondary Maximum Contaminant Levels (40 CFR 143): Contaminants that primarily affect the aesthetic quality of drinking water and are not federally enforceable.

Underground Injection (40 CFR 144): These standards may be applicable if underground injection is chosen as a remediation technology. These standards require compliance with certain administrative and procedural sections of 40 CFR 265 Subpart R.

Clean Water Act

A **NPDES permit** (40 CFR 125) may be required if the remedy includes discharging to surface water offsite. The best available technology that is economically achievable must be used.

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Toxic Pollutant Effluent Standards (40 CFR 129): The concentration of a toxic pollutant in navigable waters that shall not result in adverse impact on important aquatic life, or on consumers of aquatic life, after exposure of that aquatic life to the pollutant for periods of time exceeding ninety-six (96) hours and continuing through at least one reproductive cycle.

Toxic Substances Control Act

Disposal of PCBs (40 CFR 761): If the remedy involves excavation of soils that contain PCBs, the requirements of this section must be satisfied. However, the section does not explicitly require excavation of PCB-containing soil.

Resource Conservation and Recovery Act

In general, the applicable solid waste requirements shall be action-specific, applying to the remedial activities undertaken. The following are some examples of RCRA requirements (40 CFR 264) that may be Applicable or Relevant and Appropriate:

Chemical, Physical, and Biological Treatment: Although standards do not yet exist for general waste treatment in new facilities, standards do exist for interim status facilities (40 CFR 265, Subpart Q) and include specific requirements for ignitable and reactive wastes. The interim status requirements are probably not applicable if the treatment is performed on-site, but they may be relevant and appropriate.

Thermal Treatment: Standards do not yet exist for thermal treatment in new facilities, but standards do exist for interim status facilities (40 CFR 265, Subpart P) and provide for general operating requirements, waste analysis, monitoring and inspections, closure, open burning, and waste explosives. The interim status requirements are probably not applicable if the treatment is performed on-site, but they may be relevant and appropriate.

Incineration (40 CFR 264, Subpart O): This subpart includes performance standards for incinerators and monitoring, inspection, and operating requirements.

Storage (40 CFR 264, Subparts I and J): Two subparts include standards for storage of hazardous waste in containers (Subpart I) and tanks (Subpart J). In addition, sections of Subparts B and C also relate to storage.

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Onsite Land Disposal (40 CFR 264, Subparts L, M and N): Land disposal techniques will probably not be chosen given SARA's preference for permanent remedies that reduce the volume, mobility, and toxicity of hazardous substances. However, requirements for landfills are in Subpart N, and requirements for general land treatment (biodegradation, volatilization, land farming) are in Subpart M. Another form of land treatment is underground injection, which is discussed above (40 CFR 144).

Site Closure with Waste in Place (40 CFR 264, Subpart G): Certain sections of 40 CFR 264 may be Applicable or Relevant and Appropriate if the waste is to be left in place. This could include, among others, capping, installation of slurry walls, grading and covering with vegetation, or consolidation of substances in one location. Subpart G of 264 provides technical requirements for closure and post-closure activities.

Ground-Water Monitoring (40 CFR 264, Subpart F): This subpart provides RCRA ground-water corrective action requirements that may be applicable or relevant and appropriate at the Site. These requirements include ground-water monitoring and ground-water protection standards.

Other potential ARARs are:

1. Ground-water classification for aquifers underlying the Site;
2. OSHA requirements for hazardous waste workers;
3. Department of Transportation rules for transportation of hazardous materials (49 CFR 107 and 171);
4. Regulations pertaining to activities that affect the navigation of waters of the United States (33 CFR 320-329);
5. Endangered Species Act (50 CFR 81, 225, 402);
6. Fish and Wildlife Conservation Act (50 CFR 83);
7. Wild and Scenic Rivers Act (36 CFR 297);
8. Connecticut Standards for Quality of Public Drinking Water;

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9. Connecticut Water Quality Standards and Classifications;

10. Connecticut Discharge Permit Regulations;

11. Connecticut Hazardous Waste Management Regulations;

12. Connecticut Hazardous Waste Facility Siting Rules;

13. Connecticut Air Pollution Control Regulations;

14. Connecticut Inland Wetlands and Water Courses Regulations.

D. Data Requirements for Potential Remedial Alternatives and Technologies

Potential Remedial Action objectives shall be identified for each contaminated medium, and a preliminary range of remedial action alternatives and associated technologies shall be identified. The Respondent shall identify, consistent with the National Contingency Plan and applicable guidance, all potential remedies that may be useful in remediating affected media. In discussing potential remedies, EPA describes an alternative as a group of technologies, including innovative ones, that will achieve certain remedial action goals (see Section 4). The Respondent shall identify the various technologies, showing the critical data needed to evaluate such technologies, and the performance of technologies grouped into an alternative. These data requirements shall be initially developed during the Work Plan for the RI/FS and shall be further incorporated in all subsequent field investigation Work Plans. The data shall be obtained during the Initial Site Characterization (Phase 1A of the RI, see Section 3), the Phase 1B Field Investigation (Phase 1B RI, Phase 1 FS, see Section 4) and shall be further refined during the Post-Screening Field Investigation (Phase 2 RI, Phase 2 FS, see Section 5).

The identification of potential technologies shall help ensure that data needed to evaluate the technologies are collected in the Phase 1A and Phase 1B field investigations. Certain parameters may be common to several possible technologies and alternatives. For example, the following parameters for soils are common: chemical compounds, soil density, soil moisture, soil types, soil gradation, BTU values, total halogens, and total organic carbon. Where capping may be required,

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waste and soil properties such as moisture content, unit weight, strength parameters, and chemical and physical data may need to be obtained during the RI through field and laboratory testing to evaluate slope stability and rate of settlement. Continued settlement monitoring using surficial settlement platforms and settlement anchors may be appropriate within the waste areas to collect data to estimate post-construction subsidence. Similar common data requirements exist for alternative remedies for other media.

In addition to the common data requirements, any other data necessary to evaluate a particular technology or alternative leading to remedy selection shall be noted in the Work Plan and subsequently integrated into each field investigation. The EPA Guidance on Conducting Remedial Investigations and Feasibility Studies Under CERCLA, (EPA/540/G-89/004, OSWER Directive 9355.3-01, EPA October 1988), and the Technology Screening Guide for Treatment of CERCLA Soils and Sludges, (EPA/540/2-88/004, September 1988) shall be sources of additional information on identifying alternative remedies and potential innovative technologies.

A preliminary list of broadly defined alternatives shall be developed by the Respondent. Consistent with Sections 4 and 5 of this document, this list shall include a range of alternatives in which treatment that significantly reduces the toxicity, mobility, or volume of waste is a principal element; one or more alternatives that involve containment with little or no treatment; and a no-action alternative. The Respondent shall present a chart, or a series of charts, showing the requirements and technologies to be considered for remedial alternatives. In the charts, data requirements shall be linked to the Work Plans for each field investigation.

E. Expanded Schedule for Remedial Investigation/Feasibility Study

The major predetermined deliverables are identified in Figure 1 and Table 1. The established schedule along with a more detailed, expanded schedule for subtasks shall be included as a component of the Work Plan for the RI/FS. Modifications of the schedule must be approved by EPA prior to their implementation.

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The schedule shall be presented as a chart, which shall include target data and time periods for each deliverable, to the extent possible. The chart shall be updated when the schedule changes by showing the original (planned) due date and revisions of the due date.

A copy of the schedule shall be in the preface of each major deliverable of the RI/FS and in each monthly progress report required by the RI/FS agreement.

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SECTION 3: INITIAL SITE CHARACTERIZATION: Phase 1A Field Investigations

I. OBJECTIVES

At its onset, the goal of the Initial Site Characterization shall be to collect all field data which can reasonably be assumed to be necessary for the Remedial Investigation (RI) and Feasibility Study(FS) and sufficient to select a remedy. The Site characterization shall conform to the work plans for the characterization, written in the Work Plan for the RI/FS and included in the Field Sampling Plan. The Respondent shall characterize and/or describe the following, at a minimum:

1. extent to which the sources of the hazardous substances can be adequately identified and characterized;

2. amount, concentration, toxicity, environmental fate, transport (e.g., bioaccumulation, persistence, mobility), phase (e.g., solid, liquid), and other significant characteristics of each hazardous substance present;

3. waste mixtures, the media of occurrence, interface zones between media, and critical parameters for decontamination (e.g., soil chemistry, soil types, porosity);

4. hydrogeologic factors (e.g., depth to ground water table, hydraulic gradients, hydraulic conductivity; proximity to residential wells, flood plains, and wetlands);

5. climate and water table fluctuation (e.g., precipitation, run-off, stream flow, water budget);

6. routes of exposure and receptors;

7. populations and environmental concerns, including biological communities and habitats on or potentially affected by the Site;

8. extent to which the hazardous substances have migrated or are expected to migrate from their original location;

9. extent to which buildings, foundations, or other underground structures contain or overlie hazardous substances or contaminant plumes and the potential for decontaminating them;

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10. contribution to the contamination of air, land, water, and the food chain;

11. surface water classifications and existing use designations;

12. ground water characteristics and current and potential ground water uses (e.g., characteristics related to the ground water classes described in the Ground Water Protection Strategy, (EPA, 1984) and CT Water Quality Standards and Classifications, C.G.S. § 22a-426);

13. extent to which contamination levels exceed health-based levels prompting a necessary response action;

14. waste characteristics that affect the type of treatment possible (e.g., BTU values, pH, BOD);

15. extent to which substances at the Site may be reused or recycled;

16. potential extent and risk of future releases of substances or residuals remaining onsite;

17. physical characteristics of the Site, including important surface features, soils, geology, hydrogeology, meteorology, and ecology;

18. characteristics or classifications of air, surface water, and ground water;

19. general characteristics of the waste, including quantities, type, phase, concentration, toxicity, propensity to bioaccumulate, persistence, and mobility;

20. extent to which the source can be adequately identified and characterized;

21. actual and potential exposure pathways through environmental media;

22. actual and potential exposure routes, for example, inhalation and ingestion;

23. other factors, such as sensitive populations, that pertain to the characterization of the Site or support the analysis of potential remedial action alternatives; and

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24. characterization of possible site-specific source areas, including but not limited to industrial waste disposal areas (including the dry well area and the area around the paint shed) leach fields, underground tanks, buried containers and the surrounding areas potentially contaminated by the above-mentioned possible source areas.

Using this information, the Respondent shall further define the boundaries of the RI/FS study area by identifying and characterizing all source areas and determining the extent of existing contaminants and of environmental effects resulting from releases from the Site. The Site characterization shall provide information sufficient to refine the preliminary identification of potentially feasible remedial technologies, ARARs, and the data needed by EPA to perform the Baseline Risk Assessment.

II. WORK PLAN REQUIREMENTS

The Site characterization shall specifically consist of the activities and deliverables described in this section (Section 3). EPA may decide that additional investigations are necessary, if remedial technologies are modified, requiring additional data for the evaluation of alternatives. In this case, the Respondent shall prepare a work plan for additional investigations (see Figure 1), which shall be submitted to EPA and CT DEP for review before starting the investigations.

For each component of the site characterization, the Respondent shall establish, at a minimum, and include in the Work Plan for the RI/FS the following:

1. a grid for the soil sampling program, and identification of proposed sampling locations for all other media on the developed Site map;

2. a description of the locations of suspected contaminated areas and the areas considered to represent background levels;

3. an anticipated number or schedule of samples, subject to the results of field activities;

4. quality assurance/quality control procedures, including blanks, duplicates, alternative analysis conditions, and standards;

5. a method for determining how the field program shall be adjusted according to the initial sampling results; and

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6. the analytical methodology to be used for each medium including instrumentation and detection limits.

III. SCHEDULE/DELIVERABLES

Respondent shall deliver the site characterization study consistent with the schedule (Table 1 of this document). In planning the work, the Respondent shall provide, for EPA's review of proposed deviations from the procedures in the work plan before making changes in the field.

The Respondent shall submit a Data Report, consisting of all data collected during the Phase 1A field investigations, consistent with the schedule (Table 1 of this document). This report shall include all analytical data and all validated data in the form of a data base management system that is compatible with hardware and software available to EPA Region I personnel, and a complete description of all sampling locations. An Initial Site Characterization Report which meets the reporting requirements in this Section, shall be submitted consistent with the schedule (Table 1 of this document).

IV. COMPONENTS OF THE SITE CHARACTERIZATION

A. Site Survey

The Respondent shall conduct a Site survey to prepare a base map for the Site. This Site map shall have 2-foot elevation contours and shall display survey data collected at the Site. The map shall contain all standard topographic, physiographic, cultural, and facility features, the surveyed locations of all wells (including residential wells), and surface sampling locations. The respondent shall provide to EPA and CT DEP copies of deeds used during the survey and survey field team notes.

The Respondent shall prepare maps of smaller scale that show offsite sampling locations and the courses of contaminants. The basis of one of these maps shall be the U.S. Geological Survey 7.5-minute quadrangle which includes the Site.

The Respondent shall determine the elevations and horizontal locations of all wells, piezometer, and other sampling locations. It may be necessary to extend the Site map based on the results of the Site characterization. The Site map shall encompass an area large enough to show all pathways of surface water run-off from the Site. The Site survey shall be of sufficient detail for explanations of areas into which

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contaminants may migrate.

B. Soils and Sources of Contaminants

1. Objectives

To assess sources of contamination, the Respondent shall determine the following, at a minimum:

a. the nature and concentration of each contaminant in the shallow subsurface over the entire Site, particularly in currently known potential source areas at the Site;

b. the mode of existence of the contaminants, whether as free products or chemical complexes (e.g., dissolved in ground water, adsorbed by grains);

c. the critical parameters for each soil and rock type and layer that is contaminated (e.g., soil moisture, soil profile, soil type, density, porosity, grain size distribution) (this information shall be reported on charts, maps, and cross sections);

d. the waste characteristics and mixtures that affect the type of treatment possible (all pertinent physical and chemical characteristics of each compound shall be reported in a chart);

e. the extent to which the contaminants may be recycled;

f. the background levels for each soil type and stratum at a sufficient number of upgradient locations;

g. the physical limitations and other materials handling aspects of the soil and other sources that are contaminated; and

h. the estimated volumes of soils and other sources that are contaminated for a range of contaminant levels.

2. Work Plan Requirements

The detailed plan for the investigation of soils and contaminant sources shall be part of the FSP. The plan shall describe and justify the approximate numbers and locations of borings, test pits, and samples. The plan shall also provide for the additional sampling and

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analysis needed to fulfill the objectives listed previously.

3. Reporting Requirements

The onsite sampling work shall be sufficient to support, at a minimum, the following analyses which shall be performed by the Respondent:

a. a characterization of the vertical and horizontal extent of contamination by sampling, based on a range of potential clean-up levels. The extent of contamination shall be bounded by sampling points yielding non-detect or background concentrations. Analysis shall be supported by isocon maps, area calculations, and volume calculations;

b. an identification and verification of all contaminated source areas on the Site;

c. a "short list" of indicator compounds (i.e., due to their relative frequency of occurrence, toxicity, persistence, concentration, mobility, etc.) that are expected to create the worst potential hazard to human health or the environment or as related to treatability;

d. a review of the data to determine if further sampling and analysis are needed to accomplish the goals of the investigations;

e. a determination of the background levels of chemicals for each soil type and stratum based on sampling at a sufficient number of locations;

f. fate and transport modeling to estimate soil concentration action limits based on the contamination levels that are preventive of ground-water contamination by leaching of contaminants from soil;

g. enough data on soil characteristics to understand the requirements of onsite materials handling and pretreatment so that complete and accurate cost estimates can be developed for the evaluation of remedial alternatives;

h. an estimation of the volumes of contaminated soils and levels of confidence for various action level soil contamination and a plot of these estimates on a graph of volume vs. clean-up concentration;

i. an estimate of present and future contamination

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levels for soil at points of potential exposure;

j. an estimate of the volume and significance of (temporary) storage of waste on the flood plain;

k. an estimate of the amount of contact of ground water with contaminated soil;

l. an estimate in quantitative terms the impacts on wetlands; and

m. an estimate of the damage by water level changes related to Site drainage and pumping.

Techniques that may be used to identify and delineate sources are test pits and geophysical techniques such as ground-penetrating radar and magnetic surveys. When such geophysical techniques are used, results shall be verified by soil and rock borings and test pits. For geophysical investigations, the Initial Site Characterization Report shall include maps that fully delineate anomalies and explain the results.

Results of the source determination study shall be presented in maps, cross sections, charts, tables, and computer data bases. Based on the definition of initial soil sampling, the possible need for additional sampling and analysis shall be specified. The analysis of data shall be sufficient to map the sources, to show contaminant concentrations in three dimensions, and to estimate accurately the volumes of soil should a soil excavation and/or decontamination program be required later. Parameters needed to evaluate the residual concentrations, characteristics, and behaviors of contaminants shall also be evaluated.

C. Subsurface and Hydrogeological Investigations

1. <u>Objectives</u>

The Respondent shall plan, conduct, and report subsurface and hydrogeological investigations sufficient to characterize and/or describe, at a minimum, the following:

a. the nature and extent of contamination sufficiently to define the boundaries of all contaminant plumes and to quantify in three dimensions every aquifer, including bedrock;

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b. a quantitative estimate of the number of years necessary to achieve clean-up goals for ground water extraction and treatment remedial alternatives;

c. the subsurface stratigraphy and structure, for each rock and soil type including, but not limited to, lithologies, grain sizes, sorting, permeability, fracturing (orientation, frequency, and effects), plasticity index, moisture content, dry density, and mineralogy;

d. the concentration, environmental fate, transport mechanisms, and other significant characteristics of each contaminant;

e. the waste mixtures and partitioning of contaminants between ground water and soil or rock, and determine the phases, including their partitioning coefficients;

f. a quantification of the hydrogeological factors (e.g., in situ permeability, conductivity, and storage capacity of each soil and rock type; depth of saturated zone; hydraulic and pressure gradients);

g. the routes of ground water migration, transport rates, and receptors. Also specifically determine the locations, flow rates, contaminant concentrations, and variability for discharge to bodies of surface water;

h. the seasonal fluctuations in the water table, flow gradients, and contaminant concentrations, simultaneously with other factors such as precipitation, run-off, and stream flow;

i. the condition of existing monitoring wells and the need to replace them or a portion of their installation materials;

j. the construction, location, and proximity, of residential, municipal, and previously installed monitoring wells;

k. the populations and environments at risk;

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l. the extent to which the hazardous substances will migrate once the limits of plumes are determined (if modeling studies are involved, the parameters, assumptions, accuracy, contingencies of the studies must be explicitly stated, and a plan established to verify the modeling if a significant risk is indicated for a specific population or environment);

m. a review and illustration of ground water classifications (the need for institutional controls on ground-water use, considering such controls as adjuncts to remedial action, must be assessed);

n. all physical and chemical waste characteristics that may affect the possible type of treatment (this information must be reported in a chart for each detected compound);

o. the potential risks associated with future releases resulting from onsite residuals;

p. the background levels for ground water at a sufficient number of horizontal and vertical locations, including unconsolidated overburden and bedrock; and

q. engineering properties of soils and wastes for settlement and slope stability analyses if capping is considered.

2. Work Plan Requirements

The Respondent shall design investigations that are sufficient to fully address the objectives listed above and others that may arise during the RI/FS. The plan for the subsurface and hydrogeological investigations shall be presented in the FSP. The FSP shall also describe the locations, methods, field forms, procedures, and types of analyses to be used in performing the subsurface and hydrogeological investigations. This description shall include specific drilling methods and protocol to be used. The Ground Water Technical Enforcement Guidance Document (OSWER Directive 9950, Sept. 1986) and the Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites (OSWER Dir. 9283.1-2 Final Review Draft, EPA, August 1988) shall provide the framework of these investigations. The plan shall clearly show the relations between the objectives and the studies to be performed (see Sections 1 and 3). The plan shall

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provide for EPA review of deviations from the Work Plan procedures due to unforeseen field conditions. The plan shall allow additional work contingent on the results of the studies described in the Work Plan for the RI/FS.

3. Reporting Requirements

For the subsurface and hydrogeological investigations, the Respondent shall present the results and describe the actual procedures (especially when the actual procedures differ from those in the work plan) in a section of the Initial Site Characterization Report. The section shall contain all data, analyses, maps, cross sections, and charts necessary to meet the objectives for which the investigations were performed. Illustrations shall clearly identify the data points, values, and the degree of interpolation or extrapolation necessary to draw conclusions.

D. Air Quality Assessment

1. Objectives

The Respondent shall characterize and/or describe, the impact of the Site on air quality, which shall require, at a minimum, the following activities:

a. identification of all point and area emissions of particulate, volatiles, and semi-volatiles for the existing Site, including volatilization from soil, leachate, contaminated water, waste piles, and other contaminant areas;

b. determination of background levels at a sufficient number of upgradient and upwind locations;

c. characterization of emissions as indicated above (i.e., particulate, vapors, precipitates, and gases), and identify the compounds, chemicals, and other complexes of concern;

d. estimation of the emission rates and worst case impacts on and off-site for the existing Site (detailed techniques for the characterizing of air emissions and impacts shall be used if screening data indicate a potentially significant concentration);

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e. supplementation of ambient air monitoring with the collection of meteorological data including ambient temperature, wind speed, wind direction, and barometric pressure;

f. provision for monitoring of ambient air quality as described in plans that shall include a description of (a) the sampling methodology (including instrumentation, sampling times, locations, detection limits, QA/QC procedures) and (b) the analytical methodology including instrumentation, detection limits and QA/QC procedures;

g. provision for modeling for potential emission sources,including documentation of (a) source characteristics (e.g., emission rates, release height, velocity, temperature, source configuration, etc.), (b) meteorological conditions, (c) receptor locations, and (d) background concentrations;

h. evaluation of the factors that are critical in characterizing the nature and extent of airborne contaminants from the Site, such as background air quality;

2. Work Plan Requirements

The Respondent shall prepare a plan for the air quality assessment during the scoping of the RI/FS. This plan shall become part of the FSP. Most aspects of the plan shall be performed during the Phase 1B RI. As early as possible in the RI/FS, the Respondent shall gather data on the factors critical to assessing impacts on air quality. The plan shall allow EPA to review differences between the specifications for the field work and the actual field work. The plan shall also provide for additional monitoring and studies, if EPA determines they are necessary.

3. Reporting Requirements

The results of the air quality assessment shall be submitted to EPA and CT DEP for review, and as part of the Draft RI. Some of the monitoring work shall continue throughout the RI/FS. The Respondent shall address the control of gaseous emissions, including fugitive emissions (e.g., control by minimizing interfaces between soil and air and between soil and water, and materials-handling aspects of remedial design).

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E. Surface Water and Sediments

1. Objectives

The Respondent shall determine the nature, extent, and risks associated with the release of each contaminant from the Site to all surface water bodies including but not limited to drainage pathways, streams, wetlands, and rivers. Releases of concern may occur through overland flow and ground-water migration. The Respondent shall determine the extent to which contamination from the Site has affected or threatens to affect human health and the environment. At a minimum the areas of primary concern are the impacts of the Site on the on- and off-site streams, wetlands, and ponds, and the flora and fauna in downgradient areas.

The respondent shall determine the nature and extent of contaminants in the water and sediments of all surface drainage areas, both perennial and intermittent, potentially affected by contaminants from the Site. Upgradient samples of water and sediment shall be collected (and analyzed) from several locations in each surface water flow path that may be affected by contaminants at the Site. The collection and analysis of the upgradient samples shall be sufficient to determine background concentrations of analytical parameters. Sampling schedules shall include the monitoring of seasonal changes, including low flow periods, and shall conform to the procedures and requirements of the Project Operations Plan (Section 2).

2. Work Plan Requirements

The Respondent shall prepare a plan for surface water and sediment sampling during the scoping of the RI/FS. This plan shall be part of the FSP. It shall contain provisions for additional sampling and more general assessments of wetlands, streams, and lakes if this additional work is needed. The plan shall allow for EPA and CT DEP review of proposed differences between the actual field work and the specifications for the field work.

3. Reporting Requirements

The surface water and sediment sampling data shall be compiled and presented in the Initial Site Characterization Report and shall include tables, graphs, charts, and other visual aids. These illustrations shall indicate the static levels and

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seasonal fluctuations of water levels and the impacts of those changes on contaminant concentration and migration.

F. Ecological Assessment

1. Objectives

The Respondent shall conduct an ecological assessment to determine the nature and extent of the effects of contamination to the ecological resources on, nearby, or otherwise influenced by the Site. A reference site may be required by EPA to be designated and sampled for use in determining the impact of the Site on the ecological receptors. The extent of the area to be studied shall be determined by the results of the Site Characterization, and upon the collection and review of available information concerning the biota expected to occur on or near the Site as either resident or transient species.

At a minimum, a qualitative study shall be conducted to determine the basic environmental characteristics at the Site, and to identify and characterize ecological communities, habitat types, and species, which are present on or surrounding the Site. The assessment shall also include a discussion of the potential exposure pathways based upon the Site Characterization, combined with the qualitative study. If necessary, further qualitative or quantitative assessments, bioassays, or tissue sampling may be required to support an ecological risk assessment, or to better determine the actual impact of the Site on the environment. A discussion of the impacts of proposed remedial alternatives shall be included.

Specific attention shall be placed on the Section 404(b)(1) Guidelines of the Clean Water Act regarding wetlands. Specifically, Executive Order 11990 "Protection of Wetlands", May 24, 1977, concerns all impacts to wetlands and Executive Order 11988 "Floodplain Management" is involved where actions are to be evaluated in regard to projects which may impact a floodplain. Full compliance with these guidelines shall be required in implementing the remedial action.

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2. Work Plan Requirements

The Respondent shall submit a plan for an ecological assessment as part of the FSP. This plan shall contain an evaluation of the applicability of the following elements, and a plan to implement those elements determined to be applicable:

a. i) an accurate delineation of the wetland boundary using the Federal Manual for Identifying and Delineating Jurisdictional Wetlands (USGPO 024-010-00683-8), and classification of the wetland types using the Classification of Wetlands and Deepwater Habitats of the United States (FWS/OBS-79/31, US Fish and Wildlife Service, 1979) and determination of the functions and values of the wetland. ii) An accurate description and delineation of the ten (10) year and hundred (100) year floodplain;

b. a description of all habitat types including a list of plant and animal species, both resident and transient;

c. a determination of the status of those species identified in terms of sport or commercial usage, protected status, endangered, threatened, or of special concern;

d. sampling of environmental receptors for analysis of community composition, abundance, or body burden of contaminants;

e. sampling of chemical and physical parameters (e.g., grain size, total organic carbon, dissolved oxygen, etc.);

f. toxicity testing of indicator species to determine acute and chronic effects of contaminated media on the environment;

g. an evaluation of how the contamination from the Site has affected the receptors, including a discussion of fate and transport of the contaminants to the various habitat types or organisms;

h. an evaluation of whether contamination has affected the health of the wetland (e.g., reduced plant growth or vigor or contributed contaminants to the food web); and;

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i. a discussion of how each remedial alternative under consideration affects the wetland, biota, and their functions and values.

G. Long-Term Monitoring and Sampling

1. Objectives

The Respondent shall monitor the soil, air, ground water, sediment and surface water to determine the long-term changes in the nature, extent, quantity, seasonal variability, climatological influence, environmental fate and transport, background levels, and migration pathways for each contaminant at the Site. Long-term-monitoring and sampling shall commence with Phase 1A field work and continue to the issuance of the ROD.

2. Work Plan Requirements

The Respondent shall submit a plan for periodically sampling and monitoring contaminants in ground water on a long-term basis. The Long-Term Monitoring and Sampling Plan shall be submitted as part of the Work Plan for the RI/FS. The plan shall include provisions for needed expansions of the type, quantity, and coverage of the monitoring.

The plan shall also include a thorough discussion of the statistical and mathematical techniques to be used in comparing the results of each sampling round to previous sampling results. Notable differences shall be explained and resolved by repeating sampling and analyses, if necessary. The plan shall be consistent with the procedures and requirements established in the Project Operations Plan (Section 2), the overall objectives (Section 1), and the other components of the site characterization (Section 3). The plan shall accommodate expansion, including further studies that may be required by EPA. The plan shall also allow EPA review before deviating from the original work plan specifications for field work.

Plans shall be developed for all surface-water courses, ground water (including selected residential wells), soils, sediment, air, and the biota potentially affected by contaminants released from the Site. For the purposes of long term monitoring, residential wells shall be selected based on their location, their distance from the site, the likelihood that they receive contamination from the site, and the likelihood that they result in human exposure to contamination

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released from the site. The plans shall not require monitoring of residential wells that are taken out of operation, unless those wells remain readily accessible for sampling purposes. The long-term monitoring, for the most part, shall be separate and in addition to the site-specific studies.

3. Reporting Requirements

Results shall be presented after the sampling and in accordance with the procedures described in the Project Operations Plan (Section 2). Results of each round of sampling shall be statistically and mathematically compared with results of previous rounds. Deviations and trends shall be illustrated and explained.

H. Treatability and Pilot Studies

1. Objectives

The objective of the treatability and pilot studies is to obtain the information necessary to evaluate the effectiveness of potential remedial treatment technologies. The Respondent shall conduct laboratory-scale simulations of treatment processes to evaluate the treatability of contaminated ground water, surface water, soils, and other environmental media. In any treatability and/or pilot studies, the Respondent shall evaluate treatment options, including biological treatments, physical separation, chemical conditioning, and in situ treatments.

The data from additional sampling programs and previously published data on the Site may be sufficient to develop a well-designed pilot program. Before dynamic modeling, bench-scale tests may be performed to establish the "preliminary" treatability of contaminated media. Through the bench-scale tests, the Respondent may initially evaluate the applicability of treatments. Treatability studies to determine the most effective technologies to remediate the contaminant plume and protect the public water supplies shall be initiated as early as possible but no later than the Post Screening Field Investigation (Phase 2 RI, Phase 2 FS).

The treatability studies may be conducted anytime during the RI upon approval of EPA. EPA may require treatability or pilot studies at any time during the RI/FS.

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2. Work Plan Requirements

The Respondent shall prepare a work plan for the treatability and pilot studies and shall include this in the Work Plan for the RI/FS. A Treatability Study Work Plan shall be submitted to EPA for approval prior to the performance of treatability and pilot studies or upon the request of EPA. The Treatability Study Work Plan must clearly define the purpose of the study and include a detailed test plan including drawings and a step-by-step procedure, if applicable.

3. Reporting Requirements

Results of treatability and pilot studies shall be submitted to EPA and CT DEP in the form of a report describing methods, analyses, and results.

V. PHASE 1A DELIVERABLES

A. Initial Site Characterization Report

The Respondent shall submit an Initial Site Characterization Report as a Phase IA Deliverable.

The Initial Site Characterization Report shall include the methods, data gathered and analyses of results. The Respondent shall evaluate how well the studies satisfy the objectives of the RI/FS (Section 1), the site characterization (Section 3), and the objectives stated in study descriptions (Section 3). The report shall also explain differences between the actual field work and the work specified by Work Plans for the RI/FS. Deficiencies in satisfying the objectives shall be clearly stated. Compilations of data shall be presented in formats that can accommodate the results of additional studies. The Respondent shall provide data compilations on computer data bases that are compatible with those used by EPA Region I. The Respondent shall work closely with EPA during the development of the data bases.

B. Phase 1B Work Plan

The Respondent shall submit a Phase 1B Work Plan as a Phase 1A deliverable.

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During the Phase 1A Field Investigation, it is anticipated that the need for additional information will become apparent. The Respondent shall prepare a Phase 1B Work Plan that describes the data to be obtained. The Respondent shall submit the Work Plan to EPA and CT DEP for review as a Phase 1A Deliverable, and shall perform the necessary studies after receiving a notice to proceed with Phase 1B Field Work by EPA. The Phase 1B Work Plan shall be scoped to meet all field data collection objectives of the RI/FS (Section 1), be consistent with the procedures in the Project Operations Plan (Section 2), and fulfill the requirements of the Site characterization (Section 3).

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SECTION 4: PHASE 1B FIELD WORK

I. OBJECTIVES

In the Phase 1B Field Work the Respondent shall gather additional field data necessary to fulfill the requirements of the following deliverables:

1. Draft Remedial Investigation Report;

2. Development and Initial Screening of Alternatives Report;

3. Detailed Analysis of Alternatives Work Plan; and

4. Post-Screening Field Investigation Work Plan.

The Phase 1B Field Work is the second set of field investigations. Data gaps exposed in the Phase 1A Field Investigation and further data requirements from the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (EPA/540/G-89/004, OSWER Directive 9355.3-01, October 1988), the National Contingency Plan, and the previous three sections of this Statement of Work shall provide the focus for the studies.

II. THE DEVELOPMENT AND INITIAL SCREENING OF ALTERNATIVES

A. Development of Alternatives

The Respondent shall develop an appropriate range of waste management options in a manner consistent with the National Contingency Plan (NCP) (40 CFR Part 300), the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (OSWER Directive 9355.3-01), and any format or guidance provided by Region 1 EPA. Alternatives for remediation shall be developed by assembling combinations of technologies (including innovative ones) and the media to which they would be applied, into alternatives that address contamination at the Site or for an identified operable unit.

1. Objectives

Alternatives shall be developed that:

a. protect human health and the environment by recycling waste or by, eliminating, reducing, and/or controlling risks to human health and the environment posed through each pathway at the Site;

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b. consider the long-term uncertainties associated with land disposal;

c. consider the goals, objectives, and requirements of the Solid Waste Disposal Act;

d. consider the persistence, toxicity, mobility, and propensity to bioaccumulate of hazardous substances and their constituents;

e. consider the short and long term potential for human exposure;

f. consider the potential threat to human health and the environment if the remedial alternative proposed was to fail; and

g. consider the threat to human health and the environment associated with the excavation, transportation, and redisposal or containment of contaminated substances and/or media.

2. Development

In addition, the Respondent shall perform, at a minimum, the following activities:

a. development of remedial action objectives specifying the contaminants and media of concern, potential exposure pathways, and preliminary remediation goals that are based on chemical specific ARARs, EPA risk assessments, and Site characterization data;

b. development of response actions for each media of interest defining engineering controls, treatment, excavation, pumping, or other actions, separately and in combinations;

c. identification of volumes or areas of media to which response actions shall apply;

d. identification and screening of technologies, including innovative ones, that would be applicable to each response action;

e. identification and evaluation of technology process options;

f. assembly of the selected technologies into alternatives representing a range of treatment and containment options; and

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g. identification and evaluation of all the handling, treatment, and final disposal of all treatment residuals (e.g., ash, decontaminated soil, sludge, decontamination fluids).

B. Initial Screening of Alternatives

1. Criteria

In screening the alternatives, the Respondent shall consider, but not be limited to, the short and long term aspects of the following three criteria:

Effectiveness. This criterion focuses on the degree to which an alternative reduces toxicity, mobility, or volume through treatment; minimizes residual risks and affords long term protection; complies with ARARs, and minimizes short-term impacts. It also focuses on how quickly the alternative achieves protection with a minimum of short term impact in comparison to how quickly the protection shall be achieved.

Implementability. This criterion focuses on the technical feasibility and availability of the technologies that each alternative would employ and the administrative feasibility of implementing the alternative.

Cost. The costs of construction and any long-term costs to operate and maintain the alternatives shall be considered.

2. Range of Alternatives

The Respondent shall develop a series of alternatives for the site including, but not limited to, the following:

a. An alternative that throughout the entire soil, source, and/or ground water plume reduces the contaminant concentrations to meet or exceed all MCLs, ARARs, and a 10^{-6} excess cancer risk. It shall achieve this objective as rapidly as possible and must be completed in less than ten (10) years and shall require no long term maintenance.

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b. A no action alternative that would rely solely upon natural attenuation to meet clean-up standards. This may be "no further action", if some removal or remedial action has already occurred at the Site.

c. For source control actions, as appropriate:

   i. A range of alternatives in which treatment that reduces the toxicity, mobility, or volume of the hazardous substances, pollutants, or contaminants is a principal element. As appropriate, this range shall include an alternative that removes or destroys hazardous substances, pollutants, or contaminants to the maximum extent feasible, eliminating or minimizing, to the degree possible, the need for long-term management. The respondent also shall develop, as appropriate, other alternatives which, at a minimum, treat the principal threats posed by the Site but vary in the degree of treatment employed and the quantities and characteristics of the treatment residuals and untreated waste that must be managed; and

   ii. One or more alternatives that involve little or no treatment, but provide protection of human health and the environment primarily by preventing or controlling exposure to hazardous substances, pollutants, or contaminants through engineering controls, for example, containment, and, as necessary, institutional controls to protect human health and the environment and to assure continued effectiveness of the response action.

d. For ground water response actions, the Respondent shall develop a limited number of remedial alternatives that attain site-specific remediation levels within different restoration time periods utilizing one or more different technologies if they offer the potential for comparable or superior performance or implementability; fewer or lesser adverse impacts than others available approached; or lower costs for similar levels of performance than demonstrated treatment technologies.

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The Respondent shall give special consideration to innovative technologies. One or more such technologies shall be evaluated beyond the initial screening.

An alternative that involves no need for long-term maintenance and the no action alternative shall be carried through the development and screening and shall be analyzed during the Detailed Analysis of Alternative (Figure 1).

C. Reporting

All alternatives shall be presented in the Development and Initial Screening Report (see next section). If an alternative is to be eliminated it must be screened out for clearly stated reasons contained in the NCP (40 CFR Part 300) and other EPA guidances.

III. PHASE 1B DELIVERABLES

A. Development and Initial Screening of Alternatives Report

A Development and Initial Screening of Alternatives Report shall be submitted to EPA and CT DEP (Figure 1) for review as a Phase 1B deliverable. The report shall contain a chart of all alternatives and the analysis of the basic factors described in Section 4,II. The report shall justify deleting, refining, or adding alternatives. It shall also identify the data needed to select a remedy and the work plans for studies designed to obtain the data. The report shall contain charts, graphs, and other graphics to display the effectiveness of the alternatives including but not limited to:

1. maps showing the three-dimensional extent of contamination across the Site;

2. maps showing equal concentration lines for various potential soil clean-up levels and correlated to the 10^{-4} through 10^{-6} cancer risks;

3. graphs of soil volume to be treated or removed plotted against concentration; and

4. graphs showing the predicted concentration reduction over time for potential ground water remedial alternatives.

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B. Draft RI

A Draft Remedial Investigation Report (Draft RI) shall be prepared by the Respondent and submitted to EPA and CT DEP for review as a Phase 1B deliverable. The Draft RI shall describe and display in appropriate maps, tables, and figures, any results from the pre RI/FS sampling, the Phase 1A and Phase 1B Field Investigations and parallel samples taken by EPA or CT DEP available to the Respondent. The Draft RI shall include a Site Characterization Report which shall consider, and if appropriately valid, use all available pre-RI/FS, Phase 1A, Phase 1B, and government field sample results. The Draft RI shall meet the requirements and objectives of the National Contingency Plan, the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (EPA/540/G-89/004, OSWER Directive 9355.3-01, October 1988), and Sections 1, 2, 3, and 4 of the Statement of Work.

C. Work Plans

1. Detailed Analysis of Alternatives Work Plan

A Detailed Analysis of Alternatives Work Plan, which shall describe the methods by which the Respondent shall evaluate the potential remedial alternatives shall be submitted to EPA and CT DEP for review as a Phase 1B deliverable. This Work Plan shall be consistent with the National Contingency Plan, Section 5.0 of this SOW, and shall consider the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (EPA/540/G-89/004, OSWER Directive 9355.3-01, October 1988).

2. Post-Screening Field Investigation Work Plan

A Post-Screening Field Investigation Work Plan shall also be prepared by the Respondent and submitted to EPA and CT DEP for review as a Phase 2B deliverable. Alternatives, particularly those involving innovative technologies, may require additional field investigations to obtain data needed for the further evaluation of Site characteristics and the detailed analysis of alternatives. The Post-Screening Field Investigation Work Plan (Phase 2 RI) shall include, but not be limited to:

a. supplemental literature searches to obtain additional data on treatment technologies;

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b. bench and pilot scale treatability tests; and

c. the collection of additional field data to assess further the characteristics of the Site.

The Post-Screening Field Investigation Work Plan shall conform to the objectives, procedures, and methods described in Sections 1-4 of the Statement of Work. The investigations shall include the collection of data needed to evaluate the effectiveness of the remedial alternatives, conceptually design remedial actions, select a remedy, and sign a record of decision. In the Post-Screening Field Investigation Work Plan the Respondent shall describe the methods and procedures to be followed to perform field investigations necessary to fill the remaining data gaps. If the Respondent believe that no further field investigations are necessary, they must provide an explanation of how the previous studies fulfilled all of the data objectives and requirements of the National Contingency Plan and the Statement of Work. The EPA shall have the final authority to determine if further field investigations are necessary.

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SECTION 5: POST-SCREENING FIELD INVESTIGATION

I. OBJECTIVES

The purpose and objective of this phase is to provide for the information required to fill all relevant data gaps and to provide information necessary to perform the Detailed Analysis of Alternatives and the preparation of the first draft RI/FS. This may include, but not be limited to, bench and pilot studies of potential technologies, literature searches, and field investigations. Field investigations must be performed by the Respondent, if information relevant to the selection of a remedial action alternative is not sufficient to perform a Detailed Analysis of Alternatives that shall result in a remedy consistent with the National Contingency Plan. The Respondent must also perform additional field investigations if new areas of concern are identified that require characterization to accurately define the Site boundaries.

II. DETAILED ANALYSIS OF ALTERNATIVES

A. Analysis

The detailed analysis of alternatives consists of an assessment of individual alternatives against each of the nine (9) evaluation criteria and a comparative analysis that focuses upon the relative performance of each alternative against those criteria. The analysis shall be consistent with the National Contingency Plan (NCP) (40 CFR Part 300) and shall consider the Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA (OSWER Directive 9355.3-01). The nine criteria are as follows:

1. Overall protection of human health and the environment
2. Compliance with ARARs
3. Long term effectiveness and permanence
4. Reduction of toxicity, mobility, or volume through treatment
5. Short term effectiveness
6. Implementability
7. Cost
8. State Acceptance
9. Community Acceptance

Criteria one (1) and two (2) from the above list are considered threshold criteria. This means that an alternative must meet these two (2) criteria or must contain a statutory basis for waiving compliance with specific ARARs in order for it to be eligible for

selection. Criteria three (3) through seven (7) on the above list are considered primary balancing criteria. These five (5) criteria are used to further evaluate alternatives that satisfy the threshold criteria. The final two (2) criteria, state acceptance and community acceptance, are modifying criteria that shall be considered by EPA in remedy selections.

B. Reporting

The Detailed Analysis of Alternatives Report, which shall be presented in the FS, shall contain the following:

1. further definition of each alternative with respect to the volumes or areas of contaminated media to be addressed, the technologies to be used, and any performance requirements associated with those technologies;

2. a process scheme for each alternative which describes how each process stream, waste stream, emission residual, or treatment product shall be handled, treated and/or disposed;

3. an assessment and a summary profile of each alternative against the nine (9) evaluation criteria; and

4. a comparative analysis among the alternatives to assess the relative performance of each alternative with respect to each evaluation criterion.

III. DELIVERABLES FROM POST-SCREENING FIELD INVESTIGATIONS

A. Draft RI/FS

Respondent shall submit a complete Draft Remedial Investigation/Feasibility Study to EPA and CT DEP for review after completing the Post-Screening Field Investigation. This and any subsequent drafts of the RI/FS shall conform to the NCP (40 CFR Part 300), the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (EPA/540/G-89/004, OSWER Directive 9355.3-01, October 1988), and any additional format, guidance, or examples provided by EPA. The FS section shall include a chart that delineates each criteria listed in Section 5.II. for each alternative. Other graphics shall be included that allow for comparisons of multiple alternatives at various risk, cost, and clean-up levels of soil,

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sediment, or water. These include but are not limited to graphs of the cost of potential remediation alternatives plotted against a range of soil clean-up levels; graphs of soil/sediment/waste volumes plotted against a range of soil clean-up volumes; and projected ground water and surface water concentrations plotted against time for ground water and surface water alternatives. The Respondent shall compare the alternatives by using the listed criteria and other appropriate criteria consistent with the National Contingency Plan and all previous Sections of this Statement of Work.

B. Work Plan

If EPA or the Respondent deem that additional studies are needed, the Respondent shall submit a work plan for approval by EPA, and perform the studies consistent with an EPA approved work plan.

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SECTION 6: ADDITIONAL REMEDIAL INVESTIGATION/FEASIBILITY STUDY DRAFTS, REVIEWS, AND REVISIONS

The Respondent shall be prepared to submit work plans and perform studies and/or revise the RI/FS until a record of decision is signed. Following EPA comments on the First Draft RI/FS, the Respondent shall prepare a Second Draft RI/FS incorporating all EPA comments and requested changes. Depending on Site conditions, the acceptability of the latest Draft RI/FS, or other conditions, EPA may request any number of draft RI/FS's until a Draft RI/FS is produced which EPA determines is satisfactory for public comment.

When EPA determines that no other studies or RI/FS Drafts are needed, the most recent Respondent Draft RI/FS shall be considered the Final Draft Remedial Investigation/Feasibility Study (Figure 1). The Final Draft Remedial Investigation/Feasibility Study shall be submitted for public comment by EPA.

After the public comment period, the Respondent shall assist EPA in preparing a responsiveness summary. This assistance shall include, but not be limited to, providing EPA with draft responses to any comments provided by EPA to the Respondent within two weeks of the date EPA provides the comments to the Respondent. If EPA seeks assistance from the Respondent to numerous technical or extensive comments and an extension is requested, EPA shall extend the two week deadline by an appropriate time period.

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APPENDIX B
BORING LOGS

REMEDIAL INVESTIGATION REPORT
LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT
AUGUST 1992

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Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-1
SHEET No. 1 of 1

DRILLER: David Dziomba
INSPECTOR: Tim Bingham
DATE START: December 13, 1988
DATE FINISH: December 13, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I D	2¼	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	33	16	12	1.8	-	1'	Loam.
	1		13				0		Brown fine till.
	2	2'-4'	52	22	22	1.8	0		Gray till.
	3		70				0		
	-	4'-6'	7	9	13	1.9	-		
5'	4		15				0		
	5	6'-8'	27	26	25	2.0	0		
	6		40				0		
	7	8'-10'	12	15	22	2.0	0		
	8		29				0		
10'	-	10'-12'	11	27	25	1.3	-		
	9		28				0		
	10	12'-14'	13	20	27	2.0	0		
	11		38				0		
	12	14'-16'	11	17	21	2.0	1		
15'	13		27				0	16'	

End of Boring 16'.
Water level 12'.
steam cleaning 1½ hrs.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

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Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-2
SHEET No. 1 of 1

DRILLER: David Dziomba
INSPECTOR: Tim Bingham
DATE START: December 13, 1988
DATE FINISH: December 13, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I D	2¼	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	32	15	13	1.3	-	1'	Loam.
	14		10				0		Brown till.
	15	2'-4'	7	9	10	1.5	0		
	16		11				0		
	17	4'-6'	9	12	25	1.5	0		Gray till.
5'	18		61				0		
	-	6'-8'	7	20	21	1.0	-		
	19		24				0		
	20	8'-10'	3	14	15	2.0	0		
	21		20				0		
10'	22	10'-12'	10	14	23	2.0	0		
	23		26				0		
	-	12'-14'	10	26	23		-		
	24		29				0.5	14'	
									End of Boring 14'.
									Steam cleaning ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN-WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V/Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

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LIN002 649

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT Fuss & O'Neil
PROJECT NAME Linemaster
LOCATION Woodstock, CT

BORING NUMBER B-3
SHEET No. 1 of 1

DRILLER David Dziomba
INSPECTOR Tim Bingham
DATE START December 14, 1988
DATE FINISH December 14, 1988

ARCHITECT ENGINEER

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I D	2¼	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.
SURFACE ELEV.
LINE & STATION
OFFSET

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	80	85	33	1.0	-		Brown fine-medium sand and gravel.
	25		20				0		
	-	2'-4'	20	24	14	0.8	-		Brown fine-medium sand and gravel, brown till, till is wet.
	26		20				0		
	-	4'-6'	32	20	12		-		Brown fine-coarse sand, gravel and silt.
5'	27		14				0		
	28	6'-8'	12	18	20	1.5	0		Brown till.
	29		32				0		
	30	8'-10'	10	12	12	1.5	0		Brown fine-coarse sand, gravel and silt, wet.
	31		18				0		
10'	-	10'-12'	12	14	18	0.0	-		No recovery, wet.
			15					12'	
									End of Boring 12'. Water level 7'. Steam cleaning ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A HNU Field Screen (ppm)

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0958

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-4
SHEET No. 1 of 1

DRILLER: David Dziomba
INSPECTOR: Tim Bingham
DATE START: December 14, 1988
DATE FINISH: December 14, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I.D	2¼	1½	
HAMMER WT.		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	3	4	5	1.0	-		Brown topsoil, fine-medium silty sand.
	32		4				0		
	33	2'-4'	5	7	14	2.0	0		Brown fine-medium silty sand.
	34		15				0		
	-	4'-6'	12	18	16	1.5	-		Brown fine-medium sand, silt, little fravel.
5'	36		20				0		
	-	6'-8'	15	25	40	1.5	-		Brown fine-medium sand, gravel, silt.
	37		32				0		
	-	8'-10'	15	21	18		-		Brown fine-medium sand, gravel, and silt, wet.
	38		28				0		
10'	39	10'-12'	30	18	42	2.0	0		Brown fine- medium sand, gravel, silt, wet.
			27					12'	End of Boring 12'.
									Water level 9'.
									Steam cleaning ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:

COL. A HNU Field Screen (ppm)

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LIN002 9551

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-5
SHEET No. 1 of 1

DRILLER: David Dziomba
INSPECTOR: Tim Bingham
DATE START: December 14, 1988
DATE FINISH: December 14, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I.D.	2¼	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	40	6	7	1.0	-		Brown fine-coarse sand and gravel, roadfill, brown topsoil.
	40		8				0		
	-	2'-4'	6	14	15	1.3	-		Brown fine-coarse sand, silt, gravel.
	41		16				0		
	-	4'-6'	8	17	15	1.5	-		Brown fine-coarse sand, silt, gravel, damp.
5'	42		23				0		
	-	6'-8'	17	21	25		-		Brown fine-medium sand, silt, gravel, wet.
	43		27				0	8'	
									End of Boring 8'.
									Steam cleaning ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	36 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

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LIN002 652

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203)887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-6
SHEET No. 1 of 1

DRILLER: David Dziomba
INSPECTOR: Tim Bingham
DATE START: December 15, 1988
DATE FINISH: December 15, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I D	2½	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	2	2	4	1.2	-	0.8'	Loam.
	44		5				0		Gray/brown fine till.
	45	2'-4'	6	7	8	1.9	0		
	46		10				0		
	-	4'-6'	25	52	70	1.3	-		
5'	47		50				0		
	-	6'-8'	23	19	14	1.4	-		
	48		17				0		
	49	8'-10'	17	17	25	1.5	0		
	50		28				0		
10'	51	10'-11.2'	35	50	100/.2	0.9	0.2	11.2'	
									End of Boring 11.2'.
									Water level 9'.
									Steam clean 3/4 hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	36 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

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Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-7
SHEET No. 1 of 1

DRILLER: David Dziomba
INSPECTOR: Tim Bingham
DATE START: December 15, 1988
DATE FINISH: December 15, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I.D.	2¼	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	3	2	3	1.6	-	1.0'	Loam.
	52		4				95		Brown fine till.
	53	2'-4'	4	7	15	1.6	70		
	54		21				500		
	55	4'-6'	13	15	16	1.7	600		
5'	56		17				360		
	57	6'-8'	21	24	25	2.0	260		
	58		23				260		
	59	8'-10'		85	36	1.5	100		
	60						86		
10'	61	10'-11'	35	150		0.9	0.8	11'	
									End of Boring 11'.
									Water level 10'.
									Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

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LIN002 654

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-8
SHEET No. 1 of 1

DRILLER: Lou Rogers
INSPECTOR: Tim
DATE START: December 15, 1988
DATE FINISH: December 15, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I.D.	2¼	1½	
HAMMER WT.		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	4	2	2	1.6	-	0.8'	Loam.
	62		4				0		Brown fine till.
	63	2'-4'	4	5	4	1.9	0		
	64		7				0		
	-	4'-6'	8	9	25	1.3	-		
5'	65		40				0		
	-	6'-8'	39	21	25	1.2	-		
	66		22				0		
	-	8'-10'	30	22	25	1.5	-		
	67		35				0.2		
10'	-	10'-12'	21	25	32	2.0	-		
	68		40				7		
	-	12'-14'	25	32	38	2.0	-		
	69		45				1.2	14.1'	
	-	14'-14.1'	100/.1			0.0	-		End of Boring 14.1'. Water level 12'. Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:
COL. A — HNU Field Screen (ppm)

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ADMINISTRATIVE RECORD
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Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-9
SHEET No. 1 of 1

DRILLER: Lou Rogers
INSPECTOR: Tim
DATE START: December 15, 1988
DATE FINISH: December 16, 1988

ARCHITECT ENGINEER:
FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I.D	2¼	1½	
HAMMER WT		140	
HAMMER FALL		30	

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	1	2	2	1.8	-	.1'	Top soil.
	70		4				2.4		
	-	2'-4'	7	12	12	2.0	-		Brown fine (till).
	71		15				0-0.2		
	-	4'-6'	8	20	35	1.6	-		
5'	72		42				0		
	-	6'-8'	32	38	40	0.0	-		
	73		32				1.2		
	-	8'-10'	25	27	23	1.6	-		
			30					10'	
10'									End of Boring 10'. Water level 7.5'. Steam clean ½ hr.

SAMPLE IDENTIFICATION
- S — SPLIT SPOON
- T — THIN WALL TUBE
- U — UNDISTURBED PISTON
- O — OPEN END ROD
- W — WASH SAMPLE
- A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9559

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-10
SHEET No. 1 of 1

DRILLER: Lou Rogers
INSPECTOR: Tim
DATE START: December 19, 1988
DATE FINISH: December 19, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I.D.	2¼	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	4	3	3	1.3	-	1'	Loam.
	103		3				0.4		Brown fine till.
	-	2'-4'	9	16	24	0.0	-		
	104		34				-		
	-	4'-6'	18	22	39	0.2	-		
5'	105		34				-		
	106	6'-8'	10	18	23	2.0	0.4		
	107		37				0.2		
	-	8'-10'	22	23	26	2.0	-		
	108		29				0		
10'	-	10'-12'	24	23	28	2.0	-		
	109		37				0.2	12'	
									End of Boring 12'.
									Water level 8'.
									Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9551

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT Fuss & O'Neil
PROJECT NAME Linemaster
LOCATION Woodstock, CT

BORING NUMBER B-11
SHEET No. 1 of 1

DRILLER Steve Cohen
INSPECTOR Tim Bingham
DATE START December 20, 1988
DATE FINISH December 20, 1988

ARCHITECT ENGINEER

	Casing	Sampler	Core Barrel
TYPE	SSA	SS	
SIZE, I.D.	4"OD	1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.
SURFACE ELEV.
LINE & STATION
OFFSET

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	3	2	2	1.4	-	0.6'	Loam.
	110		3				0		Brown fine till.
	-	2'-4'	2	3	6	1.7	-		
	111		11				0		
	112	4'-6'	21	24	77	1.7	0		
5'	113		69				0		
	114	6'-8'	72	91	111	0.0	0		
	-		68				-		
	-	8'-10'	88	70	99	0.0	-		
	115		129				0		
10'	116	10'-12'	21	28	21	2.0	0.1		
			38					12'	
									End of Boring 12'.
									Water level 10'.
									Steam clean ½ hr.
	117	6'-7.4'	16	24	100/.4	1.4	0.5		
	-	8'-10'	7	12	18	2.0	-		
			29						

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A HNU Field Screen (ppm)

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002958

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-12
SHEET No. 1 of 1

DRILLER: Steven Cohen
INSPECTOR: Tim Bingham
DATE START: December 21, 1988
DATE FINISH: December 21, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D.		1½	
HAMMER WT.		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	11	12	15	1.4	-	0.6'	Loam.
	158		10				6.5		Brown fine-coarse sand and gravel.
	-	2'-4'	10	5	6	1.4	-	3'	
	159		7				9.5		Brown fine till.
	-	4'-6'	8	15	17	1.6	-		
5'	160		32				6.2		
	-	6'-8'	14	25	23	1.5	-		
	161		30				62		
	162	8'-10'	39	79	34	1.9	124		
	163		37				75		
10'	-	10'-11.9'	18	28	49	1.9	-		
	164		100/.4				28	11.9'	
									End of Boring 11.9'.
									Water level 10'.
									Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:

COL. A HNU Field Screen (ppm)

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9559

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-13
SHEET No. 1 of 1

DRILLER: Steven Cohen
INSPECTOR: Tim Bingham
DATE START: December 21, 1988
DATE FINISH: December 21, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D		1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	25	21	18	0.0	-		
	-		12				-		
	-	2'-4'	9	15	18	1.9	-		
	152		12				6.4		
	-	4'-6'	13	23	15	2.0	-		
5'	153		27				9.0		
	-	6'-8'	4	6	39	1.6	-		
	154		27				NS		
	155	8'-10'	18	24	28	2.0	30		
	156		28				NS		
10'	-	10'-12'	20	19	25	2.0	-		
	157		35				62	12'	
									End of Boring 12'. Water level 10'. Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	36 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0660

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-14
SHEET No. ___ of ___

DRILLER: Lou Rogers
INSPECTOR: Tim
DATE START: December 16, 1988
DATE FINISH: December 19, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I D	2¼	1½	
HAMMER WT.		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	50	9	8	1.7	-		
	85		7				3.2		
	-	2'-4'	15	18	15	2.0	-		
	86		21				5.4		
	-	4'-6'	11	8	15	1.7	-		
5'	87		25				1.8		
	88	6'-8'	12	16	16	2.0	72		
	89		21				130		
	90	8'-10'	15	18	18	1.8	24		
	91		20				4.2		
10'	-	10'-12'	18	20	21	2.0	-		
	92		28				1.2		
	-	12'-14'	18	22	25	2.0	-		
	-		31				-		
	-	14'-16'	18	26	28	2.0	-		
15'	93		33				60		
	-	16'-18'	25	28	31	2.0	-		
	94		33				2		
	95	18'-20'	25	25	35	2.0	0		
	96		48				1		
20'	97	20'-22'	23	23	28	2.0	NS		
	98		31				118		
	-	22'-24'	8	16	17	2.0	-		
	99		29				210		
	-	24'-26'	28	31	32	1.7	-		
25'	100		34				78		Very strong odors.
	-	26'-28'	9	11	14	2.0	-		
	101		47				14		
	-	28'-30'	57	37	25	2.0	-		
	102		43				156		
30'	-	30'-32'	28	35	62	2.0	-		
			100					32'	

End of Boring 32'.
Water level 8'.
4 hrs. steam clean and stand by.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A HNU Field Screening (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 1

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT Fuss & O'Neil
PROJECT NAME Linemaster
LOCATION Woodstock, CT

BORING NUMBER B-15
SHEET No. 1 of 1

DRILLER Steven Cohen
INSPECTOR Tim Bingham
DATE START December 21, 1988
DATE FINISH December 21, 1988

ARCHITECT ENGINEER

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D.		1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.
SURFACE ELEV.
LINE & STATION
OFFSET

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	13	7	10	1.6	-	1.0'	Loam.
	139		16				1		Brown fine till.
	140	2'-4'	7	13	16	2.0	3.1		
	141		12				2.8		
	-	4'-6'	15	26	24	1.6	-		
5'	142		58				4.8		
	143	6'-7.4'	24	24	100/.4	1.3	42	7.4'	
									End of Boring 7.4'.
									Hole A 6.5'.
									Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A HNU Field Screen (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6662

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-16
SHEET No. ___ of ___

DRILLER: Steven Cohen
ARCHITECT ENGINEER:
FILE NO.:
INSPECTOR: Tim Bingham
DATE START: December 21, 1988
DATE FINISH: December 21, 1988

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D.		1½	
HAMMER WT		140	
HAMMER FALL		30	

SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	5	8	10	1.8	-		
	144		7				0.2		
	-	2'-4'	10	12	13	2.0	-		
	145		21				0.5		
	-	4'-6'	25	22	40	0.9	-		
5'	146		24				0.4		
	-	6'-8'	12	16	20	2.0	-		
	147		22				2.0		
	-	8'-10'	14	18	19	2.0	-		
	148		26				26		
10'	-	10'-12'	14	13	19	2.0	-		
	149		27				330		
	150	12'-13.1'	59	74	100/.1	1.1	260	13.1'	
	151						70		End of Boring 13.1'. Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5653

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203)887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-17
SHEET No. 1 of 1

DRILLER: Steve Cohen
INSPECTOR: Tim Bingham
DATE START: December 20, 1988
DATE FINISH: December 20, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D.		1½	
HAMMER WT.		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	10	8	5	1.5	-	1.0'	Loam.
	125		7				0		Brown fine till.
	-	2'-4'	7	10	16	1.8	-		
	126		13				0		
	-	4'-6'	13	15	15	2.0	-		
5'	127		25				0		
	128	6'-8'	10	21	18	2.0	0		
	-		29				-		
	129	8'-10'	21	29	19	1.9	0		
	130		32				0	10.2'	
10'	-	10'-10.2'	100/.2			0.0	-		End of Boring 10.2'. Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A: HNU field Scree (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 664

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT Fuss & O'Neil
PROJECT NAME Linemaster
LOCATION Woodstock, CT

BORING NUMBER B-18
SHEET No. 1 of 1

DRILLER Steve Cohen
INSPECTOR Tim Bingham
DATE START December 20, 1988
DATE FINISH December 20, 1988

ARCHITECT ENGINEER

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D.		1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.
SURFACE ELEV.
LINE & STATION
OFFSET

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	10	8	7	1.5	-		
	131		5				0		
	-	2'-4'	8	8	29	2.0	-		
	132		18				0		
	-	4'-6'	10	16	16	2.0	-		
5'	133		23				0		
	-	6'-8'	18	16	17	2.0	-		
	134		29				0		
	135	8'-10'	14	17	17	1.8	0		
	136		26				0.1		
10'	-	10'-12'	12	23	28	2.0	-		
	137		32				3.2		
	-	12'-14'	22	28	36	2.0	-		
	138		79				0.5	14'	

End of Boring 14'.
Water level 11'.
Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 60%

REMARKS:

COL. A HNU Field Screen (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6665

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203)887-3621

CLIENT Fuss & O'Neil
PROJECT NAME Linemaster
LOCATION Woodstock, CT

BORING NUMBER B-19
SHEET No. 1 of 1

DRILLER Steve Cohen
INSPECTOR Tim Bingham
DATE START December 20, 1988
DATE FINISH December 20, 1988

ARCHITECT ENGINEER

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D		1½	
HAMMER WT.		140	
HAMMER FALL		30	

FILE NO.
SURFACE ELEV.
LINE & STATION
OFFSET

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	4	3	3	1.7	-		
	118		4				0.1		
	-	2'-4'	4	5	9	1.7	-		
	119		7				0.2		
	-	4'-6'	9	10	16	2.0	-		
5'	120		19				0		
	-	6'-8'	30	23	27	2.0	-		
	121		32				0		
	122	8'-10'	67	26	15	1.8	0.2		
	123		19				0.2		
10'	-	10'-12'	31	33	42	1.5	-		
	124		36				0.4	12'	
									End of Boring 12'. Water level 10'. Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:

COL. A HNU Field Screen (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 666

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203)887-3621

CLIENT Fuss & O'Neil
PROJECT NAME Linemaster
LOCATION Woodstock, CT

BORING NUMBER B-20
SHEET No. ___ of ___

DRILLER Steven Cohen
INSPECTOR Tim Bingham
DATE START December 22, 1988
DATE FINISH December 22, 1988

ARCHITECT ENGINEER

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D		1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.
SURFACE ELEV.
LINE & STATION
OFFSET

DEPTH	SAMPLE NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	3	5	3	1.6	-	1.0'	Loam.
			3						Brown fine till.
		2'-4'	9	10	18	1.5			
			21						
		4'-6'	16	95	21	1.9			
5'			34						
	176	6'-6.7'	17	100/.2		0.7	0	6.7'	
									End of Boring 6.7'
									Hole A 5.8'.
									Steam clean 1 hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A HNU Field Screen (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 9 7

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT Fuss & O'Neil
PROJECT NAME Linemaster
LOCATION Woodstock, CT

BORING NUMBER B-21
SHEET No. 1 of 1

DRILLER Steven Cohen
INSPECTOR Tim Bingham
DATE START December 22, 1988
DATE FINISH December 22, 1988

ARCHITECT ENGINEER

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D.		1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.
SURFACE ELEV.
LINE & STATION
OFFSET

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	12	11	8	1.3	-		Brown fine till.
	177		7				2.2		
	-	2'-4'	9	8	6	1.6	-		
	178		9				0.4		
	-	4'-6'	3	7	17	1.1	-		
5'	179		11				0.3		
		6'-6.4'	100/.4			0.4			Augered to 8'.
		8'-8.9'	8	100/.4		0.9		8.9'	
									End of Boring 8.9' Steam clean ½ hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9998

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-23
SHEET No. ___ of ___

DRILLER: Lou Rogers
INSPECTOR: Tim
DATE START: December 16, 1988
DATE FINISH: December 16, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE	HSA	SS	
SIZE I.D.	2¼	1½	
HAMMER WT.		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	23	5	2	1.4	-		Brown till.
	74		3				1.2		
	-	2'-4'	3	5	5	0.8	-	3'	
	75		8				0.2		Dark brown till.
	-	4'-6'	5	5	11	1.5	-		
5'	76		14				380		
	77	6'-8'	15	17	22	1.8	480		
	78		27				400		
	79	8'-8.7'	35	50/.2		0.7	450		Augered to 9'. High odor TCE. Back to spoon sampling.
	80	9'-11'	11	10	15	1.7	530		
10'	81		24				580		
	82	11'-13'	15	21	20	2.0	520		
	83		31				520		
	-	13'-15'	15	25	25		-		
	84		150				550	15'	
15'									End of Boring 15'. Water level 7'. Steam clean 3/4 hr.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

REMARKS:

COL. A: HNU Field Screen (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Glenn Drilling Inc.
Scott Hill Road
Colchester, Ct 06415
(203) 887-3621

CLIENT: Fuss & O'Neil
PROJECT NAME: Linemaster
LOCATION: Woodstock, CT

BORING NUMBER: B-24
SHEET No. 1 of 1

DRILLER: Steven Cohen
INSPECTOR: Tim Bingham
DATE START: December 22, 1988
DATE FINISH: December 22, 1988

ARCHITECT ENGINEER:

	Casing	Sampler	Core Barrel
TYPE		SS	
SIZE I.D.		1½	
HAMMER WT		140	
HAMMER FALL		30	

FILE NO.:
SURFACE ELEV.:
LINE & STATION:
OFFSET:

DEPTH	SAMPLE NO.	SAMPLE DEPTH RANGE	BLOWS PER 6" ON SAMPLER 0-6	6-12	12-18	REC.	COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS
	-	0'-2'	14	12	20	1.3	-		Brown fine till.
	165		20				0.6		
	-	2'-4'	10	15	15	0.8	-		
	166		11				300		
	-	4'-6'	11	19	13	1.6	-		
5'	167		14				350		
	-	6'-6.3'	100/.3			0.0	-		
	168	6'-6.7'	30	100/.2		0.8	440		Solid auger to 8'.
	169	8'-10'	13	17	19	2.0	400		
	170		17				390		
10'	171	10'-12'	13	13	18	2.0	400		
	172		23				100		
	-	12'-14'	13	26	23		-		
	173		27				190		
	-	14'-16'	13	17	21	2.0	-		Brown fine till.
15'	174		25				350		
	175	16'-16.9'	40	100/.4		1.5	310		
								16.9'	End of Boring 16.9'
									2 hrs. steam clean and stand by.

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE
A — AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	M/Stiff
30-49	Dense	9-15	Stiff
50 +	Very Dense	16-30	V-Stiff
		31 +	Hard

PROPORTIONS USED

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

REMARKS:

COL. A HNU FIELD SCREEN (ppm)

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 1 0

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-25
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Raymond Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #1
GROUND ELEVATION
DATE STARTED 06/10/91 DATE FINISHED 06/10/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft.	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		1	0-2	24/18			SAND, F-M; little silt; dusky yellowish brown (10YR 4/2).		0 ppm	
2.0			2-4	24/8	11 13 5 5		Sand, F-M, dusky yellowish brown (10YR 4/2).		0 ppm	2.0
4.0			4-6	24/20	11 12 15 20	Compact	SAND,F, some orange to brown staining.		25 ppm	4.0
6.0			6-8	24/30	18 15 13 12		TILL, fine grained; some F sand; trace gravel; moderate yellowish brown. Strong solvent odor.		>1000 ppm	6.0
8.0		2	8-10	24/24	5 10 10 13		TILL, fine grained; little gravel; moderate yellowish brown (10YR 5/4).		>1000 ppm	8.0
10.0			10-12	24/20	2 4 8 13		TILL, fine grained; little gravel; light olive gray (5Y 5/2).		50 ppm	10.0
12.0			12-14	24/	16 15 18 22		TILL, same as above.		>1000 ppm	12.0
14.0			14-16	24/	7 41 21 20		Same as above, schist fragments.		>1000 ppm	14.0
16.0			16-18	24/20	12 27 17 18		Same as above.		>1000 ppm	16.0
18.0		3	18-20	24/20	5 7 6 13		Same as above, trace gravel.		400 ppm	18.0
20.0			20-22	24/18	10 11 14 15		Same as above.		900 ppm	20.0
22.0			22-24	24/18	15 13 17 15		Same as above.			22.0
24.0			24-26	24/20	14 7 8 18		Same as above.			24.0
26.0			26-28	24/16	7 19 15 18		Same as above, damp.		>1000 ppm	26.0
28.0		4	28-30	24/20	3 6 8 14		Same as above		700 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 44
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-25

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-25 SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Raymond Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #1
GROUND ELEVATION
DATE STARTED 06/10/91 DATE FINISHED 06/10/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0			30-32	24/10	8 8 14 21		Same as above, pegmatite fragments.		100 ppm	30.0
32.0			32-34	24/18	8 14 10 18		Same as above, except less pegmatite fragments.		90 ppm	32.0
34.0			34-36	24/10	4 6 8 13		Same as above.		70 ppm	34.0
36.0			36-38	24/24	12 10 18 22		Same as above, schist and pegmatite fragments.			36.0
38.0		5	38-40	24/20	5 5 9 13		Same as above.		40 ppm	38.0
40.0			40-42	24/20	7 13 14 15		Same as above.		120 ppm	40.0
42.0			42-44	24/24	7 30 41 21		Same as above.		102 ppm	42.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
' ITTLE	10 TO 20%		
OME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-25

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-27
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Raymond Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #1
GROUND ELEVATION
DATE STARTED 06/11/91 DATE FINISHED 06/11/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	24/10	2 1 1 1		SAND, M-F; silt; moderate brown (5YR 3/4).		0 ppm	
2.0			2-4	24/14	1 2 4 14		Sand, M-F and silt; moderate brown (5YR 3/4). Till in spoon bottom, fine grained, little gravel, olive gray (5Y 3/2).		500 ppm	2.0
4.0			4-6	24/18	7 9 11 13		TILL; little to some gravel; moderate yellowish brown (10YR 5/4).		250 ppm	4.0
6.0			6-8	24/16	6 8 23 24		TILL; pegmatite and schist fragments; moderate yellowish brown (10YR 5/4).		80 ppm	6.0
8.0		6	8-10	24/18	5 9 14 21		Same as above.		900 ppm	8.0
10.0			10-12	24/18	8 13 21 9		Same as above.		400 ppm	10.0
12.0			12-14	24/20	9 9 13 16		Same as above.		300 ppm	12.0
14.0			14-16	24/20	9 12 14 20		Same as above, except light olive gray (5Y 5/2).		300 ppm	14.0
16.0			16-18	24/18	12 14 16 18		TILL, same.			16.0
18.0		7	18-20	24/22	8 12 11 30		TILL, same.		250 ppm	18.0
20.0			20-22	24/20	12 18 24 42		Same as above, except olive gray (5Y 3/2).		350 ppm	20.0
22.0			22-24	24/16	8 8 14 21		Same as above.		300 ppm	22.0
24.0			24-26	24/8	14 16 22 25		Same as above.		350 ppm	24.0
26.0			26-28	24/4	33 41 45 44		Same as above.		180 ppm	26.0
28.0		8	28-30	24/18	12 10 14 21		Same as above		120 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 47.5
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-27

perfill\wellog04

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 3

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-27 SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Raymond Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #1
GROUND ELEVATION
DATE STARTED 06/11/91 DATE FINISHED 06/11/91

DRILLING METHOD Hollow Srem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0			30-32	24/18	16 20 21 22		Same as above.		300 ppm	30.0
32.0			32-34	24/20	8 9 17 25		Same as above.		550 ppm	32.0
34.0			34-36	24/20	6 9 14 16		Same as above.		>1000 ppm	34.0
36.0			36-38	24/20	10 14 18 27		Same as above.		750 ppm	36.0
38.0		9	38-40	24/14	7 9 16 16		Same as above.		800 ppm	38.0
40.0			40-42	24/18	12 16 24 26		Same as above.		450 ppm	40.0
42.0			42-44	24/24	9 9 7 16		Same as above.		200 ppm	42.0
44.0			44-46	24/18	4 6 8 12		Same as above.		270 ppm	44.0
46.0			46-48	18/18	15 14 50		Same as above.		150 ppm	46.0
							Bedrock at 47.5 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 47.5
TTLE 10 TO 20%		
OME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-27

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 4

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CT

BORING NO. B-28
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Raymond Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION North side of Facility
GROUND ELEVATION
DATE STARTED 06/12/91 DATE FINISHED 06/12/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
5.0			5-7	24/20	4 6 7 11		Sand, F, and silt; trending toward till on bottom of spoon; little gravel; dark yellowish brown (10YR 4/2).		5 ppm	5.0
10.0		10	8-10	24/20	5 6 8 9		TILL, fine grained; sand and silt; little gravel; schist fragments.		12 ppm	10.0
15.0			15-17	24/20	3 6 13 14		Same as above.		2 ppm	15.0
20.0		11	18-20	24/22	6 8 8 10		Same as above, except light olive gray (5Y 5/2).		2 ppm	20.0
25.0			24-26	24/20	5 5 8 50		Same as above, light olive gray (5Y 5/2) to olive gray (5Y 3/2). Boulder at 27 feet. Refusal at 27.5 feet. Offsetting 5 feet east.		1 ppm	25.0
30.0		12	28-30	24/20	3 7 9 11		Same as above.		4 ppm	30.0
35.0			35-37	24/20	4 5 7 9		Same as above.		0 ppm	35.0
40.0		13	38-40	24/20	5 6 9 11		Same as above. Tight till at 43 feet.		15 ppm	40.0
45.0			45-47	24/8	21 16 11 16		Same as above, weathered schist in spoon.		6 ppm	45.0
50.0			48-50	24/20	6 17 16 21		Same till, weathered schist fragments in spoon 6" from bottom.		7 ppm	50.0
55.0			55-57	24/18	3 11 21 21		Same as above.		9 ppm	55.0
60.0			58-60	24/18	5 6 8 16		Same as above.		2 ppm	60.0
65.0							Refusal at 64 ft.			65.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-28

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 1 5

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-29
SHEET 1 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/13/91 DATE FINISHED 06/13/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	24/16	2 6 10 18		Silt and F sand; little gravel; moderate yellowish brown (10YR 5/4).		15 ppm	
2.0			2-4	24/16	22 17 17 22		Same as above.		1 ppm	2.0
4.0			4-6	24/10	31 25 24 50		Sand, silty; trending toward till, little gravel; moderate yellowish brown (10YR 5/4). Roots.		1 ppm	4.0
6.0			6-8	24/20	7 12 14 12		Sand, silty; till like; light olive gray (5Y 5/2).		1 ppm	6.0
8.0		14	8-10	24/20	15 17 13 13	Compact	TILL; silty sand; trace gravel; light olive gray (5Y 5/2). Roots.		2 ppm	8.0
10.0			10-12	24/20	3 7 12 14		Same as above.		2 ppm	10.0
12.0			12-14	24/20	10 12 15 20		Same as above.		1 ppm	12.0
14.0			14-16	24/22	4 8 11 12		Same as above.		6 ppm	14.0
16.0			16-18	24/23	7 12 21 50		Same till, less sand.		2 ppm	16.0
18.0			18-20	12/8	25 50		Same as above, cobbles. Spoon refusal.		0 ppm	18.0
20.0			20-22	24/	3 7 9 12		Same as above.		3 ppm	20.0
22.0			22-24	24/20	7 7 9 10		Same as above, except light olive gray (5Y 5/2) to olive gray (5Y 3/2).		2 ppm	22.0
24.0			24-26	24/22	4 7 8 12		Same as above.		11 ppm	24.0
26.0			26-28	24/20	4 9 11 14		Same as above.		15 ppm	26.0
28.0		15	28-30	24/16	7 9 12 15		Same as above.		12.6 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 60.5
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-29

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 1 5 6

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-29 SHEET 2 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/13/91 DATE FINISHED 06/13/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0			30-32	24/20	4 4 9 11		Same as above.		15.6 ppm	30.0
32.0			32-34	24/22	4 7 11 4		Same as above.		7.9 ppm	32.0
34.0			34-36	24/22	6 10 10 14		Same as above.		4.6 ppm	34.0
36.0			36-38	24/18	6 7 8 12		Same as above.		2.2 ppm	36.0
38.0		16	38-40	24/4	100 (4)		Same as above, fragments of schist.		0.6 ppm	38.0
40.0			40-42	24/16	41 7 7 50		TILL; rock. Spoon bouncing.		0.4 ppm	40.0
42.0								Boulders		42.0
44.0			44-46	24/16	7 11 24 37		Same as above.		0.6 ppm	44.0
46.0			46-48	24/18	12 17 21 28		Same as above, wetter.		0.6 ppm	46.0
48.0			48-50	24/16	11 14 14 23		Same as above, pegmatite fragments.		0.4 ppm	48.0
50.0			50-52	24/18	3 7 10 15		Same as above.		0.4 ppm	50.0
52.0			52-54	24/8	17 21 25 28		Same as above.		0.4 ppm	52.0
54.0			54-56	24/20	7 9 10 2		Same as above.		0.2 ppm	54.0
56.0			56-58	24/6	9 11 12 16		Same as above.		0 ppm	56.0
58.0			58-60	24/24	3 7 9 15		Same as above.		0.4 ppm	58.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-29

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 1 1

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-29
SHEET 3 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/13/91 DATE FINISHED 06/13/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
60.0			60-62	24/10	25 50		Some rock fragments on bottom. Spoon bouncing at 60.5 feet.			60.0
62.0							Bedrock at 60.5 ft.			62.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-29

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 1 8

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-30
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D.L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		41	0-2	24/14	3 6 8 8		SAND, silty; trace to little gravel; dark yellowish brown (10YR 4/2).		2 ppm	
2.0		42	2-4	24/10	11 11 20 21		Same as above.		6 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-30

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 9

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-31 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		31	0-2	24/10	4 7 8 9		SAND, silty; trace gravel; dark yellowish brown (10YR 4/2).		4 ppm	
2.0		32	2-4	24/16	7 12 17 21		Same as above.		2 ppm	2.0
4.0										4.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Split Spoon	0 - 4
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-31

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 589

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-32 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		21	0-2	24/8	4 22 24 28	Loose	SAND, silty; trace gravel; dark yellowish brown (10YR 4/2), dry.		25 ppm	
2.0		22	2-4	24/10	20 18 16 13		Same as above.		5 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-32

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 681

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-33
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft.	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		23	0-2	24/10	6 15 18 23		SAND, silty; trace gravel; moderate yellowish brown (10YR 5/4).		18 ppm	
2.0		22	2-4	24/10	50 47 52 31		Same as above.		15 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
TTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-33

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 8 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-34
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		25	0-2	24/8	10 17 19 19		SAND, silty; trace gravel; moderate yellowish brown (10YR 5/4).		5 ppm	
2.0		26	2-4	24/8	28 48 48 28		Same as above.		4 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-34

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 8 9

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WODDSTOCK, CONNECTICUT

BORING NO. B-35
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split spoon
HAMMER WT. Sledge HAMMER FALL (IN)

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		27	0-2	24/8	15 14 16 20		Sand, silty; little gravel; dark yellowish brown (10YR 4/2). Strong hydrocarbon odor.		90 ppm	
2.0		28	2-4	24/14	12 15 14 15		Same as above.		240 ppm	2.0
4.0										4.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Split Spoon	0 - 4
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-35

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 8 4

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-36
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		29	0-2	24/10	5 7 7 5		SAND, silty; trace gravel; dark yellowish.		10 ppm	
2.0		30	2-4	24/8	38 39 15 12		Same as above.		4 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-36

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 685

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-37 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		45	0-2	24/10	9 12 14 16		SAND, silty; trace gravel; dark yellowish brown (10YR 4/2).			
2.0		46	2-4	24/10	24 26 23 22		Same as above.			2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA (not working properly)

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-37

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5885

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-38 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		43	0-2	24/14	3 5 7 9		Sand, silty; trace gravel; dark yellowish brown (10YR 4/2).		25 ppm	
2.0		44	2-4	24/12	7 16 20 18		Same as above.		60 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-38

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9581

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-40
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
		33	0-2	24/12	15 18 15 19		SAND, silty; trace gravel; dark yellow brown (10YR 4/2).		25 ppm	
2.0		34	2-4	12/8	35 52 35 32		Same as above.		9 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
TTLE 10 TO 20%		
OME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-40

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0588

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-41 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		35	0-2	24/8	16 19 20 25		SAND, silty; trace gravel; moderate yellowish brown (10YR 5/4).		15 ppm	
2.0		36	2-4	24/10	18 19 25 26		Same as above, except dark yellowish brown (10YR 4/2).		25 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-41

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 689

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-42
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		39	0-2	24/6	6 9 7 8		SAND, silty; trace gravel; moderate yellowish brown (10YR 5/4).		3 ppm	
2.0		40	0-4	24/10	18 19 28 35		Same as above.		1 ppm	2.0
4.0										4.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Split Spoon	0 - 4
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-42

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 5 9 0

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-43
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/17/91 DATE FINISHED 06/17/91

DRILLING METHOD N/A
SAMPLING METHOD Split Spoon
HAMMER WT. Sledge HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		37	0-2	24/12	3 9 18 24		SAND, silty; trace gravel; moderate yellowish brown (10YR 5/4).		4 ppm	
2.0		38	2-4	24/8	19 25 30 30		Same as above, except dark yellowish brown (10YR 5/4).		0 ppm	2.0
4.0										4.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Split Spoon	0 - 4
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-43

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 9 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODTSOCK, CONNECTICUT	BORING NO. B-44 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION North of Garage
GROUND ELEVATION
DATE STARTED 06/18/91 DATE FINISHED 06/18/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	24/8	3 21 10 11		SAND, silty; little gravel; some topsoil; dark yellow brown (10YR 4/2) to moderate yellow brown (10YR 5/4).		1 ppm	
2.0			2-4	24/12	6 8 8 9	Compact	Till, fine grained; little to some gravel; light olive gray (5Y 5/2).		0 ppm	2.0
4.0		47	4-6	24/6	54 28 26 27	Less Compact	Same till, dark yellow brown (10YR 4/2) to moderate yellow brown (10YR 5/4). Low recovery.		0 ppm	4.0
6.0			6-8	24/8	6 10 15 20	Compact	Same till, light olive gray (5y 5/2).		1 ppm	6.0
8.0			8-10	24/10	9 18 18 22		Same as above.		1 ppm	8.0
10.0		48	10-12	24/22	5 8 11 20		Same as above.		1 ppm	10.0
12.0			12-14	24/21	16 10 12 15		Same as above.		2 ppm	12.0
14.0			14-16	24/22	5 9 10 18		Same as above, except medium dark gray (N4) 8" from bottom.		3 ppm	14.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 15
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-44

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 9 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-45
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION North of Garage
GROUND ELEVATION
DATE STARTED 06/18/91 DATE FINISHED 06/18/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	24/8	5 21 8 9	Loose	SAND, silty;more till composition at spoon bottom; little gravel; dark yellow brown (10YR 4/2), dry.		1 ppm	
2.0			2-4	24/8	10 6 7 11	Compact	TILL, fine grained; little to some gravel; light olive gray (5Y 5/2).		0 ppm	2.0
4.0		49	4-6	24/10	7 14 18 14	Compact	Same as above.		.5 ppm	4.0
6.0			6-8	24/20	7 7 9 11	Compact	Same as above.		1 ppm	6.0
8.0			8-10	24/20	11 18 15 17	Compact	Same as above.		0 ppm	8.0
10.0		50	10-12	24/20	5 10 13 25	Compact	Same as above.		1 ppm	10.0
12.0			12-14	54/22	18 17 15 16	Compact	Same as above.		3 ppm	12.0
14.0			14-16	24/20	12 14 18 20	Compact	Same as above.		5 ppm	14.0
16.0										16.0
18.0			18-20	24/18	8 11 18 24	Compact	Same as above, except light olive gray (5Y 5/2) to olive gray (5Y 3/2).		2 ppm	18.0
20.0										20.0
22.0										22.0
24.0			24-26	24/18	3 8 12 15	Compact	Same as above.		5 ppm	24.0
26.0										26.0
28.0			28-30		3 8 11 15	Compact	Same as above.		2 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
B-45

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 3

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-45
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION North of Garage
GROUND ELEVATION
DATE STARTED 06/18/91 DATE FINISHED 06/18/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0										30.0
32.0										32.0
34.0			35-37	24/20					1 ppm	34.0
36.0										36.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-45

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 9 4

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-46 SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/20/91 DATE FINISHED 06/20/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	24/6	3 5 8 10		SAND, F; trace gravel; asphalt fragments.		0 ppm	
2.0			2-4	2418	9 18 26 36		Same as above.		1 ppm	2.0
4.0		57	4-6	24/8	15 18 21 50		TILL, fine grained; little gravel; dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4).		1 ppm	4.0
6.0			6-8	24/14	15 18 28 50		Same as above.		2 ppm	6.0
8.0		58	8-10	24/20	24 20 19 25		Same as above, till, some gravel; dark yellowish brown (10YR 4/2).		1 ppm	8.0
10.0			10-12	24/16	6 12 15 16		Same as above.		1 ppm	10.0
12.0		59	12-14	24/16	16 16 14 15		Same as above, damp.		3 ppm	12.0
14.0			14-16	24/20	9 10 12 13		Same as above, except light olive gray (5Y 5/2).		1 ppm	14.0
16.0			16-18	24/20	9 10 12 12		Same as above.		.5 ppm	16.0
18.0		60	18-20	24/24	4 6 8 9		Same as above.		8 ppm	18.0
20.0			20-22	24/20	3 6 8 10		Same as above.		6 ppm	20.0
22.0			22-24	24/8	9 10 12 15		Same as above.		4 ppm	22.0
24.0		61	24-26	24/16	5 8 10 12		Same as above.		7 ppm	24.0
26.0		62	26-28	24/5	11 15 13 14		Same as above.		60 ppm	26.0
28.0		63	28-30	24/	4 8 9 16		Same as above, except light olive gray (5Y 5/2) to olive gray (5Y 3/2).		25 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 57
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\welllog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-46

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 5

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-46 SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION
DATE STARTED 06/20/91 DATE FINISHED 06/20/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0			30-32	24/24	4 6 9 12		Same as above.		12 ppm	30.0
32.0			32-34	24/24	6 8 8 10		Same as above.		15 ppm	32.0
34.0		64	34-36	24/8	6 6 12 14		Same as above.		5 ppm	34.0
36.0			36-38	24/16	9 10 13 15		Same as above.		3 ppm	36.0
38.0		65	38-40	24/18	6 12 15 18		Same as above.		4 ppm	38.0
40.0			40-42	24/12	6 8 16 19		Same as above.		4 ppm	40.0
42.0			42-44	24/12	6 8 12 16		Same as above.		1 ppm	42.0
44.0		66	44-46	24/12	6 6 6 12		Same as above.		1.5 ppm	44.0
46.0			46-48	24/24	9 11 13 16		Same as above.		4 ppm	46.0
48.0		67	48-50	24/24	5 10 11 14		Same as above.		0 ppm	48.0
50.0			50-52	24/18	6 6 9 12		Same as above.		0 ppm	50.0
52.0			52-54	24/18	5 6 13 15		Same as above.		1 ppm	52.0
54.0			54-56	24/	7 7 9 13		Same as above.		0 ppm	54.0
56.0							Refusal			56.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 57
ITTLE 10 TO 20%		
OME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-46

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 5

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. B-47 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Inside paint shed
GROUND ELEVATION
DATE STARTED 04/02/92 DATE FINISHED 04/02/92

DRILLING METHOD Concrete Corer/Split Spoon
SAMPLING METHOD Split Spoon
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-0.5				CONCRETE. 1/2 inch fill and processed stone under concrete.			0.0
0.5			0.5-2	24/5	4 6 2 3		Topsoil and F till; little gravel; dark yellowish brown (10YR 4/2).	SM	0 ppm	0.5
1.0										1.0
1.5										1.5
2.0			2-3.5	18/10	12 15 15		TILL, F; little gravel; dark yellowish brown (10YR 4/2).	SM	0 ppm	2.0
2.5										2.5
3.0										3.0
3.5										3.5

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Concrete Corer	0 - 0.5
LITTLE 10 TO 20%	Split Spoon	0.5 - 3.5
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-47

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6971

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-48
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Inside paint shed
GROUND ELEVATION
DATE STARTED 04/02/92 DATE FINISHED 04/02/92

DRILLING METHOD Concrete Corer/Split Spoon
SAMPLING METHOD Split Spoon
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-0.5				CONCRETE. 1/2 inch fill and processed stone under concrete.			0.0
0.5			0.5-2	18/10	25		Topsoil and F till; little gravel; dark yellowish brown (10YR 4/2).	SM	0 ppm	0.5
1.0										1.0
1.5										1.5
2.0			2-3.5	18/10	45		TILL, F; little gravel; dark yellowish brown (10YR 4/2).	SM	0 ppm	2.0
2.5										2.5
3.0										3.0
3.5										3.5

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

perfill\wellog04

BORING METHOD	DEPTH
Concrete Corer	0 - 0.5
Split Spoon	0.5 - 3.5

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. B-48

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002958

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. B-49
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Inside paint shed
GROUND ELEVATION
DATE STARTED 04/02/92 DATE FINISHED 04/02/92

DRILLING METHOD Concrete Corer/Split Spoon
SAMPLING METHOD Split Spoon
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-0.5				CONCRETE. 1/2 inch fill and processed stone under concrete.			0.0
0.5			0.5-2	18/10	50		Topsoil and F till; little gravel; dark yellowish brown (10YR 4/2).	SM	0 ppm	0.5
1.0										1.0
1.5										1.5
2.0			2-3.5	18/10	50		TILL, F; little gravel; dark yellowish brown (10YR 4/2).	SM	0 ppm	2.0
2.5										2.5
3.0										3.0
3.5										3.5

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Concrete Corer	0 - 0.5
LITTLE	10 TO 20%	Split Spoon	0.5 - 3.5
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
B-49

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 9 5

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. BK-1
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION West of Facility
GROUND ELEVATION
DATE STARTED 06/24/91 DATE FINISHED 06/24/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		78	3.5-5.52	24/16	9 7 12 12		SAND, silty; little to some gravel; moderate yellow brown (10YR 5/4).		0 ppm	
5.0			5.5-7.5	24/16	6 8 10 10		Same as above, except more of a till composition.		0 ppm	5.0
10.0			10-12	24/20	6 8 8 15		Same as above, till, dark yellowish brown (10YR 4/2).		2 ppm	10.0
15.0			15-17	24/6	6 7 15 15		Same as above, till, light olive gray (5Y 3/2).		1 ppm	15.0
20.0			20-22	24/12	6 7 10 15		Same as as above, wet.		3.5 ppm	20.0
25.0		79	25-27	24/12	60 15 15 20		Same as above.	Boulders	10 ppm	25.0
30.0			30-32	24/6	15 25 20 20		Same as above, light olive gray (5Y 5/2) to olive gray (5Y 3/2).		1 ppm	30.0
35.0			35-37	24/10	4 14 24 30		Same as above.		1 ppm	35.0
40.0		80	40-42	24/8	18 15 18 18		Same as above.		2.5 ppm	40.0
							Refusal as 45 ft.			

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 42
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. BK-1

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0070

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. BK-2 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION South of Facility
GROUND ELEVATION
DATE STARTED 06/24/91 DATE FINISHED 06/24/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
1.0										1.0
2.0										2.0
3.0			3.5-5.5	24/6	4 3		SAND, silty; trace gravel; moderate yellowish brown (10YR 5/4).		0 ppm	3.0
4.0					5 7					4.0
5.0			5.5-7	5.5-7			Same as above.		1 ppm	5.0
6.0										6.0
7.0										7.0
8.0										8.0
9.0							Boulders at 9 ft.			9.0
10.0							Bedrock			10.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 7
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. BK-2

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

1 of 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. BK-4 SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Next to MW-3
GROUND ELEVATION
DATE STARTED 04/02/92 DATE FINISHED 04/02/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0										0.0
2.0		-19	2.5-3.5	24/16	18 19 24 27	Dense	TILL, F; little subangular gravel; moderate olive brown (5Y 4/4), damp. Compact.	SM	0 ppm	2.0
4.0										4.0
6.0										6.0
8.0										8.0
10.0										10.0
12.0										12.0
14.0		-20	14.7	2/2			Same as above. Spoon bouncing.	SM	0 ppm	14.0
16.0										16.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 14
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. BK-4

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 0 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. BK-5
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Next to MW-12 cluster
GROUND ELEVATION
DATE STARTED 04/02/92 DATE FINISHED 04/02/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0										0.0
2.0		-16	2.5-3.5	24/6	8 8 9 10	Dense	Topsoil and till; yellow brown.		0 ppm	2.0
4.0										4.0
6.0										6.0
8.0										8.0
10.0										10.0
12.0		-17	13-15	24/16	18 21	Dense	TILL, F; pieces of schist with coarser sand around rock pieces;	SM	0 ppm	12.0
14.0		-18	15-17	24/18	28 38 19 27	Dense	light olive gray (5Y 5/2). TILL, F; F subangular gravel; light olive gray (5Y 5/2).	SM	0 ppm	14.0
16.0					48 65					16.0
18.0										18.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 17
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. BK-5

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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103

APPENDIX C
SOIL FIELD DATA SHEETS

REMEDIAL INVESTIGATION REPORT
LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT
AUGUST 1992

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 704

recycled paper

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co.
Project #: 86-88
ect Location: Woodstock, CT
Sampling Location: B-25
Sample #: 401910610-01

Sample Location Info

0-2' B-25
Behind factory

Sample Data

	Container	Quantity	Preservative
	VOA	2	N/A

Date: 6/10/91 Time: _____
Sampler: SJR, PDL Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Description Data

Organic Vapor Reading: 0 ppm (OVA) Instrument: OVA

Sample Depth: 0-2' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine and Med. Sand.

Monsel Color: 10YR 4/2 Dusky Yellowish Brown Grain Size: fine + Med.

Sample Description Foreign Material: _____

Appearance: Slightly compact

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 785

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster Switch, CO
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-25
Sample #: 401910610-02

Sample Location Info

8'-10' B-25
Behind factory

Sample Data

	Container	Quantity	Preservative
	VOA	2	N/A

Date: 6/11/91 Time: _____
Sampler: STR/PDC Weather: Sunny 90's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: Needle pegged on 100 scale Instrument: OVA

Sample Depth: 8'-10' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand, little medium

Monsel Color: 10 YR 5/4 Mod. Yellow brown Grain Size: Fine, little Med

Sample Description Foreign Material: _____

Appearance: Compact, some pitted staining in interior

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0159

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ect Location: Woodstock CT
Sampling Location: B-25
Sample #: 4019106/0-03

Sample Location Info

B-25
18'-20'
Behind factory

Sample Data

Date: 6/6/91 Time: _____
Sampler: STR/PDL Weather: Sunny 90°

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz	1	NA

Description Data

Organic Vapor Reading: 400 ppm Instrument: OVA

Sample Depth: 18'-20' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine grained till, trace gravel

Monsel Color: 5 5Y 3/2 Grayish olive green Grain Size: Fine grained

Sample Description Foreign Material: _____

Appearance: Slightly compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0071

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster Switch Co
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-25
Sample #: 9019106 10-04

FUSS&O'NEILL
Environmental Field Services

Sample Location Info

B-25 Behind Factory
28-30

Sample Data

	Container	Quantity	Preservative
Date: 6/10/91 Time: ____ Sampler: STR/PDL Weather: Sunny 90	VOA	2	NA

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____
Field decon: (Yes) / No / Dedicated
Type of Sample (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 700 ppm
Instrument: OVA
Sample Depth: 28'-30'
Core Length: ____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, angular gravel
Monsel Color: 5 5Y 3/2 Grayish olive green
Grain Size: Fine grained
Sample Description Foreign Material: ____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
801

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co
Project #: 96-88
ject Location: Woodstock CT
Sample #: 401910610-05
Sampling Location: B-25

Sample Location Info

B-25 - 38'-40'
Behind factory

Sample Data

Date: 6/10/91 Time: _____
Sampler: SJR/PDC Weather: Sunny 80°

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	2	NA
4oz Glass	1	NA

Description Data

Organic Vapor Reading: 40 ppm Instrument: OVA

Sample Depth: 38'-40' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine grained till, schist + pegmatite fragments

Monsel Color: 5 5Y 3/2 Grayish olive green Grain Size: Fine grained

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
609

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 56-85
Project Location: Woodstock CT
Sampling Location: B-26
Sample #: 4019/0627-99

Sample Location Info

See Zone 1 boring location map

Sample Data

	Container	Quantity	Preservative
Date: 6/27/91 Time: ____ Sampler: PAL/STR Weather: Sunny 90	VOA	2	NA

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____
Field decon: (Yes) / No / Dedicated
Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 20 ppm
Instrument: OVA
Sample Depth: 9'-10'
Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, some gravel
Monsel Color: Lt olive gray → Olive gray 5Y 5/3 → 5Y 3/2
Grain Size: Fine
Sample Description Foreign Material: ____
Appearance: Compact

Comments:

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revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0119

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 4019110637-1110
Sampling Location: B-36

Sample Location Info

See zone 1 boring location map

Sample Data

Date: 6/27/91 Time: _____
Sampler: STR/PDC Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A
4 oz Glass	1	N/A

Description Data

Organic Vapor Reading: 310 ppm Instrument: N/A

Sample Depth: 19-20 Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, little gravel

Monsel Color: olive gray - light olive gray
5Y 3/2 - 5Y 5/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:
Compact, moist

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 516-78
Project Location: Woodstock CT	Sampling Location
Sample #: 4019106780 - 101	B-36

Sample Location Info

See zone 1 boring location map

Sample Data

	Container	Quantity	Preservative
Date: 6/27/91 Time: ____ Sampler: PAL/STR Weather: Sunny 90	1/2 A	2	1/2

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 800 ppm Instrument: OVA

Sample Depth: 24-25 Core Length: ____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Overburden till, compact, little gravel

Monsel Color: Olive gray 5Y 3/2 Grain Size: Fine

Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002212

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 90-88
Project Location:
Sample #: 401910627-102
Sampling Location: R-26

Sample Location Info

See zone 6 boring location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	NA

Date: [illegible] Time:
Sampler: [illegible] Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other

Description Data

Organic Vapor Reading: 850 Instrument: OVA

Sample Depth: 28-29' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Overburden till some gravel

Monsel Color: Olive gray 5Y 3/2 Grain Size: Fine

Sample Description Foreign Material:

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-26
Sample #: 401910627-103

Sample Location Info

See zone 1 boring location map

Sample Data

	Container	Quantity	Preservative
Date: 6/27/91 Time: ____ Sampler: PAL/STR Weather: Sunny 70	VOA	2	NA
Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____	8oz Glass	2	NA
Field decon: Yes / No / Dedicated			
Type of Sample: Grab / Composite / Other ____			

Description Data

Organic Vapor Reading: <1000 ppm off scale on 100x
Instrument: OVA
Sample Depth: 39-40
Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, some gravel

Monsel Color: Olive Gray 5Y 3/2
Grain Size: Fine

Sample Description Foreign Material: ____

Appearance: Compact, moist

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0119

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
ject Location: Woodstock, CT
Sampling Location: B 27
Sample #: 401910611-06

Sample Location Info

Behind factory
(main building)

Sample Data

	Container	Quantity	Preservative
Date: 6/11/91 Time:	VOA	2	N/A
Sampler: SJR PDL Weather: Sunny 90's	Glass 8oz	1	N/A

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: 900 ppm Instrument: OVA

Sample Depth: 8-10 ft. Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till

Monsel Color: 10YR 5/4 Mod Yellowish Brown Grain Size: _____

Sample Description Foreign Material: _____

Appearance: Compact moist, fine grained, schist and pegmatite pieces in sample

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002115

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster
Project #: 8688
Project Location: Woodstock, CT
Sample #: 401910611-07
Sampling Location: B 27

FUSS&O'NEILL
Environmental Field Services

Sample Location Info

Behind main factor

Sample Data

Date: 6/11/91 Time: _____
Sampler: SSR PDL Weather: Sunny 90's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
Glass Jar ~~6.8~~ 4 oz	1	N/A

Description Data

Organic Vapor Reading: 250 ppm Instrument: OVA
Sample Depth: 18-20 Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till
Monsel Color: 5Y 3/2 Olive gray Grain Size: fine
Sample Description Foreign Material: _____
Appearance: compact moist, schist + pegmatite fragments

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 116

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910611-08
Sampling Location: B-27

Sample Location Info

B-27
28-30'
Behind factory

Sample Data

	Container	Quantity	Preservative
Date: 6/11/91 Time: ____ Sampler: PDL/STR Weather: Sunny, Humid 90's	VOA	2	N/A

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 120 Instrument: OVA

Sample Depth: 28-30 Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till

Monsel Color: 5Y 3/2 olive gray. Grain Size: F grain

Sample Description Foreign Material: ____

Appearance: Compact, Moist, schist segmented fragments

Comments:

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LIN002

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name:	Project #:
Project Location:	Sampling Location B-27
Sample #: 4019/0611-09	

Sample Location Info

B-~~24~~ 27
38-40
Behind Factory

Sample Data

	Container	Quantity	Preservative
	VOA	2	N/A
	8 oz Glass	2	N/A

Date: _____ Time: _____
Sampler: _____ Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: 800ppm Instrument: OVA

Sample Depth: 38-40 Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till

Monsel Color: 5Y 3/2 olive gray Grain Size: Fine Grained

Sample Description Foreign Material: _____

Appearance: Compact, damp, Schist, pegmatite fragments

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 818

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-85
Project Location: Woodstock, CT
Sample #: 401910612-10

Sampling Location
B-28

Sample Location Info

Parking Lot
side of main factory

Sample Data

Date: 6/12/91 Time: _____
Sampler: SJR PDL Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	N/A
Glass Jar 8 oz	1	N/A

Description Data

Organic Vapor Reading: 12 ppm Instrument: OVA

Sample Depth: 8-10 ft Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till fine grained sand/silt

Monsel Color: 10YR 4/2 DK. Yellowish Brown Grain Size: fine

Sample Description Foreign Material: _____

Appearance:
compact, moist

Comments:

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LIN002
619

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 56-58
Project Location: Woodstock, CT
Sampling Location: B 28
Sample #: 4019106 12 - 11

Sample Location Info

Parking lot
side of
Main factory

Sample Data

	Container	Quantity	Preservative
Date: 6/12/91 Time: ____ Sampler: SJR PDL Weather: Hot, Sunny 90's	VOA	2	N/A

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite /
Other ____

Description Data

Organic Vapor Reading: 2 ppm
Instrument: OVA
Sample Depth: 18-20
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, fine grained
Monsel Color: 5Y 5/2 Lt. Olive gray
Grain Size: fine
Sample Description Foreign Material: ____
Appearance: compact, moist

Comments:

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revised 12/15/90

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ADMINISTRATIVE RECORD
LIN002
0220

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: B 28
Sample #: 401910612-12

Sample Location Info

along parking lot
side of
main building

Sample Data

	Container	Quantity	Preservative
Date: 6/12/91 Time: ____ Sampler: SJR PDL Weather: Sunny 90's	VOA	2	N/A

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other ____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other ____

Description Data

Organic Vapor Reading: 4 ppm
Instrument: OVA
Sample Depth: 28-30
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till,
Monsel Color: 5Y5/2 → 5Y3/2 olive gray
Grain Size: fine
Sample Description Foreign Material: ____
Appearance: fine grained compact
moist

Comments:

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ADMINISTRATIVE RECORD

LIN002

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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 401910612 - 13
Sampling Location: B 28

Sample Location Info

Along parking lot
Side of main building

Sample Data

Date: 6/12/91 Time: _____
Sampler: SJR/PLL Weather: Sunny 90's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	2	NA

Description Data

Organic Vapor Reading: 15ppm Instrument: OVA
Sample Depth: 38'-40' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till
Monsel Color: 5Y 5/2 → 5Y 3/2 Olive gray Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Fine grained compact moist

Comments:

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LIN002
222

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910613-14
Sampling Location: B-29

Sample Location Info

N. Side of Paint Shed

Sample Data

Date: 6/13/91 Time: _____
Sampler: STR/PDL Weather: Sunny 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	1	NA

Description Data

Organic Vapor Reading: 2 ppm Instrument: OVA
Sample Depth: 8'-10' Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, silty trace gravel
Monsel Color: 5Y 5/2 Lt. olive gray Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Compact, moist silty

Comments:

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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmenta
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-29
Sample #: 4019106 13 -15

Sample Location Info

N. Side of Paint Shed

Sample Data

Date: 6/13/91 Time: _____
Sampler: PAC/SJR Weather: Sunny 70's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	N/A
4oz Glass	1	N/A

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA
Sample Depth: 18'-20' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, little to some gravel

Monsel Color: 5Y 5/2 Lt. Olive Gray Grain Size: fine

Sample Description Foreign Material: _____

Appearance: Compact, cobble fragments

Comments:

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LIN002
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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 461910613-16
Sampling Location: B-29

Sample Location Info

N. side of paint shed

Sample Data

Date: 6/13/91 Time: _____
Sampler: PAC/SJR Weather: Sunny, breezy 70°

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	N/A
8oz Glass	2	N/A

Description Data

Organic Vapor Reading: 12.6 ppm Instrument: OVM

Sample Depth: 28'-30' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till

Monsel Color: 5Y 5/2 → 5Y 3/2 lt. olive gray → olive gray Grain Size: fine

Sample Description Foreign Material: _____

Appearance: compact, moist
little → some grvl.

Comments:

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LIN002 523

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-30
Sample #: 401910617-0141

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	1	NA

Description Data

Organic Vapor Reading: 2ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, dry
Monsel Color: Dkyellowbrown Grain Size: F. Sand Silt
Sample Description Foreign Material: _____
Appearance:

Comments:

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LIN002 1256

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-30
Sample #: 401910617-0042

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
Date: 6/17/91 Time: ____ Sampler: PDL, STR Weather: Cloudy 70s	VOA	2	NA

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 6ppm Instrument: OVA

Sample Depth: 2'-4' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Silty sand

Monsel Color: Dk yellow sand (10YR 4/2) Grain Size: F. Sand S.H

Sample Description Foreign Material: ____

Appearance:

Comments:

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LIN002 127

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-31
Sample #: 401910617-B31

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated
Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 4 ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, loose
Monsel Color: Dk yellow brown (10 YR 4/2) Grain Size: F. Sand silt
Sample Description Foreign Material: _____
Appearance: See description

Comments:

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LIN002
828

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ect Location: Woodstock CT
Sample #: 401910617-0032
Sampling Location: B-31

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°F

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	1	NA

Description Data

Organic Vapor Reading: 2ppm Instrument: OVA
Sample Depth: 2'-4' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, dry
Monsel Color: Dk yellow Brown (10YR 4/3) Grain Size: Fine grained
Sample Description Foreign Material: _____
Appearance: See description

Comments:

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LIN002
629

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-32
Sample #: 401910617-21

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°F

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	1	NA

Description Data

Organic Vapor Reading: 4ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
See Appearance

Monsel Color: Dk yellowish brown (10YR 4/2) Grain Size: F. Sand, silt
Sample Description Foreign Material: _____

Appearance: Silty sand, trace gravel loose dry

Comments:

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LIN002 0360

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ect Location: Woodstock CT
Sampling Location: B-32
Sample #: 901910617-22

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
Date: 6/17/91 Time: ____ Sampler: PDL, STR Weather: Cloudy 70°	VOA	2	NA

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 5ppm Instrument: OVA

Sample Depth: 2'-4' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Silty sand trace gravel, loose dry

Monsel Color: Dk yellowish brown (10YR 4/2) Grain Size: F. Sand Silt

Sample Description Foreign Material: ____

Appearance:

See description

Comments:

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LIN002
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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-33
Sample #: 40191061 7-~~0~~23

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
	VOA	2	NA

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: 18 ppm Instrument: OVA
Sample Depth: 0-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand trace gravel, loose

Monsel Color: Mod yellow brown 10 YR 5/4 Grain Size: F. Sand S. H

Sample Description Foreign Material: _____

Appearance:
See description

Comments:

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LINEMASTER SWITCH
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LIN002 0122

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-0024
Sampling Location: B-33

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°F

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8 oz Glass	2	NA

Description Data

Organic Vapor Reading: 15 ppm Instrument: OVA
Sample Depth: 2'-4' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F. Sand and Silt, trace gravel, loose, dry

Monsel Color: Mod Yellow Brown 10YR5/4 Grain Size: F. Sand & Silt

Sample Description Foreign Material: _____

Appearance:
See description

Comments:

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LIN002
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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-0825
Sampling Location: B-34

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8 oz Glass	1	NA

Description Data

Organic Vapor Reading: 5 ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand trace gravel, loose, dry

Monsel Color: Med Yellow brown 10YR 5/4 Grain Size: F. Sand + silt
Sample Description Foreign Material: _____

Appearance:
See description

Comments:

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LINEMASTER SWITCH
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LIN002034

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-[redacted]26
Sampling Location: B-34

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
Date: 6/17/91 Time: ____ Sampler: PDL, STR Weather: Cloudy 70s Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample (Grab) / Composite / Other ____	VOA	2	NA

Description Data

Organic Vapor Reading: 4ppm
Instrument: OVA
Sample Depth: 2'-4'
Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, trace gravel, loose, dry

Monsel Color: Mod Yellow brown
Grain Size: F Sand + Silt

Sample Description Foreign Material: ____

Appearance:
See description

Comments:

nx386\e\0base\soilfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 [redacted] 135

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-35
Sample #: 401910617-~~30~~ 27

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 90 ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, little gravel, Strong hydrocarbon odor

Monsel Color: Dk yellowish brown Grain Size: F. Sand Silt

Sample Description Foreign Material: _____

Appearance:
See description

Comments:

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Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ect Location: Woodstock CT
Sampling Location: B-35
Sample #: 901910617-0928

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz glass	1	NA

Description Data

Organic Vapor Reading: 240 ppm Instrument: OVA
Sample Depth: 2'-4' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand little gravel, Hydrocarbon odor

Monsel Color: Dk yellow brown 10 YR 5/4 Grain Size: F. Sand silt
Sample Description Foreign Material: _____

Appearance: See description

Comments:

Hydrocarbon odor

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0371

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-36
Sample #: 401910617-~~0~~529

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	1	

Description Data

Organic Vapor Reading: 10 ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, loose, dry

Monsel Color: Dk yellow brown Grain Size: F. Sand Silt

Sample Description Foreign Material: _____

Appearance: See description

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0389

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ect Location: Woodstock CT
Sample #: 401910617-030
Sampling Location: B-36

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 4ppm Instrument: OVA
Sample Depth: 2'-4' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, little gravel, dry

Monsel Color: Dk yellow brown (10 YR 5/4) Grain Size: F Sand Silt
Sample Description Foreign Material: _____

Appearance:
See description

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002E139

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 901910617-~~88~~ 45
Sampling Location: B-37

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°F

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated
Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: Instrument died
Instrument: OVA
Sample Depth: 0-2'
Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: Dk yellow brown 10 YR 4/2
Grain Size: f. Sand silt
Sample Description Foreign Material: Asphalt
Appearance:

Comments:

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revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 140

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-46
Sampling Location: B-37

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
	VOA	2	NA

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: Instrument died Instrument: OVA

Sample Depth: 2'-4' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: Dk yellow brown 10YR 4/2 Grain Size: F. Sand Silt

Sample Description Foreign Material: Asphalt

Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 1 4 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-[redacted]43
Sampling Location: B-38

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	1	NA

Description Data

Organic Vapor Reading: 25ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, dry loose
Monsel Color: Dk yellow brown (10 YR 4/2) Grain Size: F. Sand Silt
Sample Description Foreign Material: _____
Appearance:

Comments:

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002
242

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-0044
Sampling Location: B-38

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
	VOA	2	NA

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70s

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: 60ppm Instrument: OVA
Sample Depth: 2-4' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, loose, dry
Monsel Color: Dk yellow brown Grain Size: F. Sand S.H
Sample Description Foreign Material: _____
Appearance:

Comments:

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ADMINISTRATIVE RECORD
LIN002
E 4 7

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location
Sample #: 401910614-17	B-39

Sample Location Info

Northwest of paint shed

Sample Data

Date: 5/14/91 Time: _____
Sampler: PDL/STR Weather: Sunny low 80's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A

Description Data

Organic Vapor Reading: 110ppm Instrument: OVA

Sample Depth: 8'-10' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: light olive gray 5Y 5/2 Grain Size: fine grained

Sample Description Foreign Material: _____

Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 144

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 4019/0614-18
Sampling Location: B-39

Sample Location Info

North west of Paint shed

Sample Data

Date: 6/14/91 Time: _____
Sampler: PDC/SJR Weather: Sunny 80°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A

Description Data

Organic Vapor Reading: 200 ppm Instrument: OVA
Sample Depth: 18'-20' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: 5Y 5/2 → 5Y 3/2 light olive gray → olive gray Grain Size: Fine grained

Sample Description Foreign Material: _____

Appearance:

Comments:

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LIN002

545

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 401910614-19
Sampling Location: B-39

Sample Location Info

NW of paint shed

Sample Data

Date: 6/14/91 Time: _____
Sampler: STR/POL Weather: Sunny 80's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A
4 oz Glass	1	N/A

Description Data

Organic Vapor Reading: 140 ppm Instrument: OVA
Sample Depth: 28'-30' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: 5Y 5/2 → 5Y 3/2 light olive gray → olive gray Grain Size: fine grain

Sample Description Foreign Material: _____

Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 745

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ject Location: Woodstock CT
Sample #: 401910614-20
Sampling Location: B-39

Sample Location Info

NW of paint shed

Sample Data

	Container	Quantity	Preservative
Date: 6/14/91 Time: ____ Sampler: PDL/STR Weather: Sunny 80	VOA	2	N/A

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other ____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other ____

Description Data

Organic Vapor Reading: 15 ppm Instrument: OVA

Sample Depth: 44'-46' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: 5Y 5/2 - 5Y 3/2 light olive gray olive gray Grain Size: fine grained

Sample Description Foreign Material: ____

Appearance:

Comments:

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LIN002 147

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location B-40
Sample #: 401910617-~~20~~33	

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°F

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8oz Glass	1	

Description Data

Organic Vapor Reading: 25 ppm Instrument: OVA

Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand, dry, loose

Monsel Color: Dk yellow brown (10YR 4/2) Grain Size: F. Sand Silt

Sample Description Foreign Material: _____

Appearance: See description

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
148

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ect Location: Woodstock CT
Sample #: 401910617-0034
Sampling Location: B-40

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
Date: 6/17/91 Time: ____ Sampler: PDL, STR Weather: Cloudy 70s	VOA	2	NA

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____
Field decon: (Yes) / No / Dedicated
Type of Sample (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 9 ppm
Instrument: OVA
Sample Depth: 2'-4'
Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, dry
Monsel Color: Dk yellow brown 10YR 4/2
Grain Size: Fine Sand Silt
Sample Description Foreign Material: ____
Appearance: description

Comments:

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ADMINISTRATIVE RECORD

LIN002

649

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-41
Sample #: 40191061 7-0835

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
Date: 6/17/91 Time: ____ Sampler: PDL, STR Weather: Cloudy 70t Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample (Grab) / Composite / Other ____	VOA	2	NA

Description Data

Organic Vapor Reading: 15 ppm Instrument: OVA

Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Silty Sand, dry

Monsel Color: Mod Yellow Brown 10YR 5/4 Grain Size: Fine sand silt

Sample Description Foreign Material: ____

Appearance:

See description

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0550

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-036
Sampling Location: B-41

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
Date: 6/17/91 Time: ____ Sampler: PDL, STR Weather: Cloudy 70s Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample (Grab) / Composite / Other ____	VOA	2	NA

Description Data

Organic Vapor Reading: 25 ppm
Instrument: OVA
Sample Depth: 2'-4'
Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand, dry

Monsel Color: Dk yellow brown (10 YR 4/2)
Grain Size: F. grained

Sample Description Foreign Material: ____

Appearance:
See description

Comments: Offset 3' from sample 35

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0751

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-~~30~~ 39
Sampling Location: B-42

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	NA
8 oz Glass	1	NA

Description Data

Organic Vapor Reading: 3 ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand dry, roots

Monsel Color: Mod yellow brown 10YR 5/4 Grain Size: F. Sand Silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 152

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-3040
Sampling Location: B-42

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
Date: 6/17/91 Time: ____ Sampler: PDL, STR Weather: Cloudy 70°	VOA	2	NA

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 1ppm Instrument: OVA

Sample Depth: 2'-4' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: ____ Grain Size: ____

Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E53

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 901910617-0937
Sampling Location: B-43

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8 oz Glass	1	NA

Description Data

Organic Vapor Reading: 4 ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand

Monsel Color: Dk yellow brown 10 YR 4/2 Grain Size: Fine sand silt
Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 454

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910617-0038
Sampling Location: B-43

Sample Location Info

See Linemaster Zone 4 borings

Sample Data

	Container	Quantity	Preservative
	VOA	2	NA

Date: 6/17/91 Time: _____
Sampler: PDL, STR Weather: Cloudy 70°F

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA
Sample Depth: 2'-4' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand
Monsel Color: Dk yellow brown 10YR 4/2 Grain Size: F sand silt
Sample Description Foreign Material: _____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 1555

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910618-47
Sampling Location: B-44

FUSS&O'NEILL
Environmental Field Services

Sample Location Info

See Linemaster Boring Map

Sample Data

Date: 6/18/91 Time: _____
Sampler: PDL/SJR Weather: P. Cldy 80

Sampling Device Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA
Sample Depth: 4'-6' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Compact F. Grained till, some gravel, silt

Monsel Color: Dk Yellow Brown 10YR 4/2 Grain Size: F. Sand Silt
Sample Description Foreign Material: _____

Appearance:
See description

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002159

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #:
Project Location: Woodstock CT
Sample #: 401910618-48
Sampling Location: B-44

Sample Location Info

See Linemaster Boring Map

Sample Data

Date: 6/19/91 Time:
Sampler: PDL/STR Weather: P. Cldy 80

Sampling Device. Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other

Container	Quantity	Preservative
VOA	2	N/A
8oz Glass	2	N/A

Description Data

Organic Vapor Reading: 1ppm Instrument: OVA

Sample Depth: 10'-12' Core Length:

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Compact fine grained till, some silt, trace gravel

Monsel Color: Lgt olive gray 5Y5/2 Grain Size: F. sand silt

Sample Description Foreign Material:

Appearance:
See description

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 157

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location B-45
Sample #: 401910618-49	

FUSS&O'NEILL Environmental Field Services

Sample Location Info

See Linemaster Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/18/91 Time: ____ Sampler: SJR/PDL Weather: P Cldy 80	VOA	2	N/A

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 0.5 ppm Instrument: OVA

Sample Depth: 4'-6' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Compact till, little gravel

Monsel Color: Lgt Olive gray 5Y 5/2 Grain Size: Fgrained

Sample Description Foreign Material: ____

Appearance:
See description

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 158

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
ject Location: Woodstock CT
Sampling Location: B-45
Sample #: 401910618-50

Sample Location Info

See Linemaster Boring Map

Sample Data

	Container	Quantity	Preservative
	VOA	2	N/A
	8oz Glass	2	N/A

Date: 6/18/91 Time:
Sampler: STR/PAC Weather: P. Cldy 80

Sampling Device: Auger / Core Sampler / Shovel (Split Spoon) Trowel / Other
Field decon (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other

Description Data

Organic Vapor Reading: 1ppm Instrument: OVA

Sample Depth: 10'-12' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Compact till, little gravel

Monsel Color: lgt olive gray 5Y5/2 Grain Size: Fine

Sample Description Foreign Material:

Appearance: See description

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019106 20 - 57

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/26/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Von Vial	2	N/A

Description Data

Organic Vapor Reading: 1ppm
Instrument: OVA
Sample Depth: 4'-6'
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: Dk yellow Brown 10YR 4/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description)

Comments:

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revised 12/15/90

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ADMINISTRATIVE RECORD

LIN002 1 6 0

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019106 20 - 58

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Voa Vial	2	N/A

Description Data

Organic Vapor Reading: 1ppm
Instrument: OVA
Sample Depth: 8'-10'
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: Dk yellow Brown 10 YR 4/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description)

Comments:

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revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 5 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019/0620-59

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Voa Vial	2	N/A

Description Data

Organic Vapor Reading: 3 ppm
Instrument: OVA
Sample Depth: 14-16
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: lgt olive gray 5Y5/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description), damp

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 292

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
ect Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019/0620-60

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Von Vial	2	N/A

Description Data

Organic Vapor Reading: 8ppm
Instrument: OVA
Sample Depth: 18-20
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: lgt olive gray 5 Y 5/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description), damp

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1653

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co	Project #: 86-88
Project Location: Woodstock, CT	Sampling Location B 46
Sample #: 40191062 0-61	

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

Date: 6/20/91 Time: _____
Sampler: SJR, PDL Weather: Sunny, Hot

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
Voa Vial	2	N/A

Description Data

Organic Vapor Reading: 7 ppm Instrument: OVA

Sample Depth: 24'-26' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel

Monsel Color: Olive gray 5Y 3/2 Grain Size: fine

Sample Description Foreign Material: _____

Appearance:
Compact, (see description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 154

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019/0620 - 62

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Von Vial	2	N/A

Description Data

Organic Vapor Reading: 60 ppm
Instrument: OVA
Sample Depth: 26-28
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: Olive gray 5Y 3/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description), damp

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 765

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019106 20 - 63

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Von Vial	2	N/A

Description Data

Organic Vapor Reading: 25ppm
Instrument: OVA
Sample Depth: 28-30
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: lgt olive gray → olive gray 5Y5/2 → 5Y3/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description)

Comments:

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LIN002 1559

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
ject Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019106 20 - C4

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Von Vial	2	N/A

Description Data

Organic Vapor Reading: 5ppm
Instrument: OVA
Sample Depth: 34'-36'
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: Olive gray 5 Y 3/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description)

Comments:

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ADMINISTRATIVE RECORD

LIN002 5 9 7 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co	Project #: 86-88
Project Location: Woodstock, CT	Sampling Location B 46
Sample #: 4019106 20 - 65	

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Von Vial	2	N/A

Description Data

Organic Vapor Reading: 4 ppm Instrument: OVA

Sample Depth: 38-40 Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel

Monsel Color: Olive gray 5Y 3/2 Grain Size: fine

Sample Description Foreign Material: ____

Appearance:
Compact, (see description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0198

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
ect Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019,0620 - 66

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot	Von Vial	2	N/A

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 1.5 ppm
Instrument: OVA

Sample Depth: 44-46
Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel

Monsel Color: Olive gray 5Y 3/2
Grain Size: fine

Sample Description Foreign Material: ____

Appearance:
Compact, (see description)

Comments:

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LIN002 659

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019,0620-67

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Voa Vial	2	N/A

Description Data

Organic Vapor Reading: 0 ppm
Instrument: OVA
Sample Depth: 48-50
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: Olive gray 5Y5/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0170

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
ect Location: Woodstock, CT
Sampling Location: B 46
Sample #: 4019106 20 - 68

Sample Location Info

See Zone 4
Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 4/20/91 Time: ____ Sampler: SJR, PDL Weather: Sunny, Hot Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	Voa Vial	2	N/A

Description Data

Organic Vapor Reading: 0 ppm
Instrument: OVA
Sample Depth: 54-56
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden Till, fine grained little to some gravel
Monsel Color: Olive gray 5Y 5/2
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Compact, (see description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

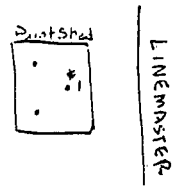
Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 80-85
Project Location: WOODSTOCK, CT
Sample #: 401920402-21

Sampling Location
Paint Shed - Hole #1
BS-47

Sample Location Info



Sample Data

Date: 4/2/92 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
40z glass	1	-
80z glass	2	-

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM/OVA

Sample Depth: 0-2 ft Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Topsoil, small amount of fill, Till

Monsel Color: 10YR 4/2 Med. Yellow Brown Grain Size: fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

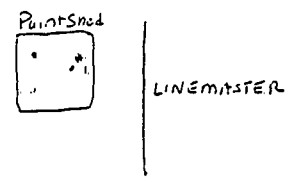
LIN002
212

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-88
Project Location: WOODSTOCK, CT
Sampling Location: Paint Shed - Hole # 1
Sample #: 401920402-22
B-47

Sample Location Info



Sample Data

Date: 4/2/02 Time: _____
Sampler: SJR Weather: Hot

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
glass 4oz	1	—
glass 8oz	2	

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA/OVM

Sample Depth: 2-3.5 Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till

Monsel Color: 10YR4/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E113

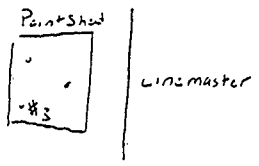
Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.	Project #: 86-88
Project Location: WOODSTOCK, CT	Sampling Location
Sample #: 401920402-23	Paint Shed - Hole #3

B-48

Sample Location Info



Sample Data

Date: 4/2/92 Time: _____
Sampler: SJR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
2.4oz 403	1	-
2.4oz 407	2	-

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM/OVA

Sample Depth: 0-2 ft Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Topsoil, small amount of fill, till

Monsel Color: 10YR 4/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 474

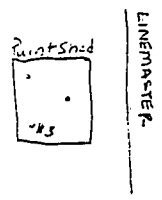
Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920402-24
Sampling Location: Paint Shed - Hole #3

B-48

Sample Location Info



Sample Data

Date: 4/2/92 Time: _____
Sampler: SJR Weather: Sun

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
Glass 4oz	1	—
Glass 8oz	1	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA/GVM

Sample Depth: 2.5-3.0 Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till

Monsel Color: 10YR 4/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0115

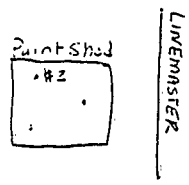
Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920402-25
Sampling Location: PaintShed - Hole #2

B-49

Sample Location Info



Sample Data

Date: 3/12/92 Time: _____
Sampler: SJR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
Glass 4oz	1	-
Glass 8oz	2	-

Description Data

Organic Vapor Reading: 0ppm Instrument: 3V/n/3V/f

Sample Depth: 0-2 ft Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Topsoil / small amount of Fill - Till

Monsel Color: 10YR4/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 116

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 86-52
Project Location: WOODSTOCK, CT
Sample #: 401920402-26
Sampling Location: Paint Shed - Hole #2

B-49

Sample Location Info

Sample Data

	Container	Quantity	Preservative
Date: 4/3/93 Time:	glass 4oz.	1	-
Sampler: SJR Weather:	glass 8oz.	2	-

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other

scription Data

Organic Vapor Reading: 0ppm
Instrument: OVA/OVM
Sample Depth: 2.5-3.5
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till
Monsel Color: 10YR4/2
Grain Size: Fine
Sample Description Foreign Material:
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 177

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Servic

Client/Project Name: LINEMASTER
Project #: P6-88
Project Location: WOODSTOCK, CT
Sampling Location: Former Paint Settling Basin
Sample #: 401920501-01

3-50

Sample Location Info

LINEMASTER
LINEMASTER
-01

Sample Data

	Container	Quantity	Preservative
	VOA		–
	glass		–
	glass		–

Date: 5/1/02 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Description Data

Organic Vapor Reading: 0ppm Instrument: HNU

Sample Depth: 3' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Med to Fine grained, some fill, some fill-like soil, wood pieces, cobbles, orange paint stained soil

Munsell Color: DK Yellowish Brown Grain Size: F-M

Sample Description Foreign Material: _____

Appearance:

Comments:

adfldsvc\efs\soilfds revised 04/21/92

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0117

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Sampling Location: Former Paint Settling Booth
Sample #: 40192050I-02

B-51

Sample Location Info

LINEMASTER
CONCRETE
-02

Sample Data

	Container	Quantity	Preservative
	VOA	1	–
	glass		–
	glass		–

Date: 5/1/92 Time: _____
Sampler: SCR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Description Data

Organic Vapor Reading: 0ppm Instrument: HNu

Sample Depth: 3' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Med - Fine grained some fill some till re material
wood piece cobbles, orange paint stained ~~cobb~~ soil

Munsell Color: _____ Grain Size: F-M

Sample Description Foreign Material: _____

Appearance:

Comments:

adfldsvc\efs\soilfds revised 04/21/92

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 719

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910624-78
Sampling Location: BK-1

Sample Location Info

See Linemaster Soil boring location map

Sample Data

Date: 6/24/91 Time: _____
Sampler: PDL/SJR Weather: P. Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
~~VOA~~	~~2~~	~~NA~~
8 oz Glass	1	NA

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 3.5-5.5 Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand.

Monsel Color: Mod yellow brown 10YR 4/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0870

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910624-79
Sampling Location: BK-1

Sample Location Info

See Linemaster Soil boring location map

Sample Data

Date: 6/24/91 Time: _____
Sampler: PDL/SJR Weather: P. Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 10 ppm Instrument: OVA

Sample Depth: 25-27 Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Compact till, little gravel

Monsel Color: lgt olive gray 5Y6/1 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 181

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: BK-1
Sample #: 401910624-80

Sample Location Info

See Linemaster Soil boring location map

Sample Data

	Container	Quantity	Preservative
Date: 6/24/91 Time: ____ Sampler: PDL/SJB Weather: P. Sunny 80	VOA	2	NA

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 2.5 ppm
Instrument: OVA
Sample Depth: 40-42
Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Compact till, little gravel

Monsel Color: Olive Gray 5Y 4/1
Grain Size: Fine

Sample Description Foreign Material: ____

Appearance:

Comments:

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revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
287

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910624-81
Sampling Location: BK-2

Sample Location Info

See Linemaster Soil boring location map

Sample Data

Date: 6/24/91 Time: _____
Sampler: PDL/SJR Weather: P. Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
~~VOA~~ 8oz glass	~~2~~	~~NA~~

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 3.5-5.5 Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Silty sand, roots

Monsel Color: Mod yellow brown 10YR 5/4 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E01

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910624-82 and 83
Sampling Location: BK-2

Sample Location Info

See Linemaster Soil boring location map

Sample Data

Date: 6/24/91 Time: _____
Sampler: PDL/SJB Weather: P. Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	4	N/A
8oz Glass	2	N/A

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA
Sample Depth: 5-7 Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand, pieces of schist-pegmatite, bedrock
Monsel Color: Mod yellow brown Grain Size: Fine
Sample Description Foreign Material: _____
Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
484

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project Location: Woodstock
Sample #: 373911120-40

Project #:

Sampling Location
BK 2 (Trip Blank)

Sample Location Info

Sample Data

Date: 11/20/91 Time: _____
Sampler: DOL Weather: P. Cldy 40's

Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon
Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 0 Instrument: OVA

Sample Depth: 2' Core Length: —

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Med-Fine sand, silt, little gravel

Monsel Color: Dk yellow brown 10YR 4/2 Grain Size: F-Med Sand - silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002585

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sampling Location: BK2 (Trip Blank)
Sample #: 373911121-50

Sample Location Info

Sample Data

	Container	Quantity	Preservative
Date: 11/21/91 Time: 9:50 Sampler: PAL Weather: Sunny 50s Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon Trowel / Other _____ Field decon: Yes / (No) / Dedicated Type of Sample: (Grab) / Composite / Other _____	VOA	2	I

Description Data

Organic Vapor Reading: 0 Instrument: OVA

Sample Depth: 2' Core Length: —

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine - Med sand, some silt, little gravel

Monsel Color: Dk yellow brown 10YR 4/2 Grain Size: Fine - Med sand - silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 0895

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sampling Location: BK2 (Triplank)
Sample #: 373911125-59

Sample Location Info

Sample Data

	Container	Quantity	Preservative
Date: 11/25/89 Time: 12:26 Sampler: PAL Weather: Cldy 40° Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon Trowel / Other _____ Field decon: (Yes) / No / Dedicated Type of Sample: Grab / Composite / Other _____	VOA	2	J

Description Data

Organic Vapor Reading: 0 ppm
Instrument: OVA
Sample Depth: 2'
Core Length: —

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F-M sand + silt some gravel, root material

Monsel Color: _____
Grain Size: F-M sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Sampling Location
Sample #: 373911129-76	BK-2 (Trip Blank

Sample Location Info

Sample Data

	Container	Quantity	Preservative
Date: 11/29/91 Time: 8:36 Sampler: PDL Weather: Cldy 30s Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon Trowel / Other _____ Field decon: Yes / (No) / Dedicated Type of Sample: (Grab) / Composite / Other _____	VOA	2	I

Description Data

Organic Vapor Reading: 0 Instrument: OVA

Sample Depth: 2' Core Length: —

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F-M sand silt root material

Monsel Color: Dark yellowish Brown Grain Size: F-M sand + silt

Sample Description Foreign Material: —

Appearance:

Comments:

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ADMINISTRATIVE RECORD
LIN002
881

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock CT
Sample #: 373911204-102
Sampling Location: BK-2 (Trip Blank)

Sample Location Info

Sample Data

Date: 12/04/91 Time: _____
Sampler: ADL Weather: _____

Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon
Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	I
Glass	2	I

Description Data

Organic Vapor Reading: 0 Instrument: OVA

Sample Depth: 2' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F-M sand + silt some gravel

Monsel Color: Dk yellow Brown 10 YR 4/2 Grain Size: _____

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0809

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location
Sample #: 373911205-120	BK-2 Trip Blank

Sample Location Info

Sample Data

Date: 12/5/91 Time: _____
Sampler: PDL Weather: Cly 40s

Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon
Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	I
Glass	2	I

Description Data

Organic Vapor Reading: 0 Instrument: OVA

Sample Depth: 2' Core Length: —

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F-M Sand + silt, trace gravel, root: natural

Monsel Color: Yellow Brown 5YR 2/2 Grain Size: _____

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0060

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 373911202-89
Sampling Location: BK-2 (Trip Blank)

3 8 10 11/20/92

Sample Location Info

See Dewatering well location map

Sample Data

Date: 12/2/91 Time: 10:10
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I
8 oz	2	I

Description Data

Organic Vapor Reading: 0 ppm
Instrument: OVA
Sample Depth: 2'
Core Length: Ø

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand and silt, some root material

Monsel Color: Dark yellowish Brown 10YR 4/2
Grain Size: F-M sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 9 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 56-88

Project Location: WOODSTOCK, CT

Sample #: 401920402-19

Sampling Location: BK-4

Sample Location Info

Next to MW-3

Sample Data

Date: 4/2/92 Time: _____

Sampler: SJR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
40z glass	1	-
8oz. glass	1	-

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 25-35 ft Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Topsoil and Till

Monsel Color: 5Y4/4 Moderate olive Brown Grain Size: fine

Sample Description Foreign Material: _____

Appearance: damp compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0192

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: BK-4
Sample #: 401920402.-20

Sample Location Info

Next to MW-3

Sample Data

Date: 4/2/92 Time: _____
Sampler: S.TR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
glass 4oz	1	—
glass 8oz	1	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 14'4"-14'8" Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till

Monsel Color: 5Y 4/4 Mod. Olive Brown Grain Size: Fine

Sample Description Foreign Material: _____

Appearance: Compact, wet

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E 6 7 9 3

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 36-88
Project Location: WOODSTOCK, CT
Sampling Location: BK-5
Sample #: 401920402-16

Sample Location Info

Next to MW-12 cluster

Sample Data

Date: 4/2/92 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
1 glass 4 oz	1	–
1 glass 8 oz	1	–

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 25-35 Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Top soil and yellow brown till

Monsel Color: _____ Grain Size: fine

Sample Description Foreign Material: _____

Appearance:
damp, compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 [redacted] 4 9 5

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920402-17
Sampling Location: BK-5

Sample Location Info

Next to MW12 cluster

Sample Data

Date: 4/2/92 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
glass 4oz	1	—
glass 8oz	1	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 13-15' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till

Monsel Color: 5Y 5/2 light olive gray Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:
Compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0955

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP.	Project #: 86-88
Project Location: WOODSTOCK, CT	Sampling Location BK-5
Sample #: 401920402-18	

Sample Location Info

Next to MW-12 cluster

Sample Data

Date: 4/2/92 Time: _____
Sampler: STR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
glass 4oz	1	–
glass 8oz	1	–

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 15-17 Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fill

Monsel Color: 5Y 5/2 light olive grey Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:
Compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0196

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920403-27
Sampling Location: BK-6

Sample Location Info

See Map

Sample Data

Date: 4/3/92 Time: _____
Sampler: STR Weather: 40

Sampling Device: (Auger) / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite /
Other _____

Container	Quantity	Preservative
glass 8oz	1	–
VOA 120ml	1	–

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA / OVM

Sample Depth: 18" Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till (yellow-Brown)

Monsel Color: _____ Grain Size: fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 of 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.	Project #: 86-88
Project Location: WOODSTOCK, CT	Sampling Location
Sample #: 401920403-28	BK-7

Sample Location Info

See Map

Sample Data

	Container	Quantity	Preservative
Date: 4/3/92 Time:	2.5 oz	1	—
Sampler: STR Weather: 40's	1/2 pt 120ml	1	

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA

Sample Depth: 13" Core Length: n/a

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till (yellow brown) wet

Monsel Color: _____ Grain Size: _____

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0198

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-28
Project Location: Woodstock, CT
Sample #: 2102910327-01
Sampling Location: DW-1T, S-1

Sample Location Info

DW-1T

Sample Data

	Container	Quantity	Preservative
Date: 3/27/91 Time: 1017 Sampler: JLR Weather: o'cast, rainy, 50's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other undisturbed	4oz V	2	I

Description Data

Organic Vapor Reading: 0.4 max ppm
Instrument: OVA
Sample Depth: 0-2 ft
Core Length: ____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fill
Monsel Color: grey-med brown
Grain Size: Sand, c-m; some f: sand; trace silt-clay
Sample Description Foreign Material: ____
Appearance:
No noticeable odor. Not layered. Dry

Comments:

nx386\e\0base\soilfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0099

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: DW-1T, S-5
Sample #: 402910328-02

Sample Location Info

DW-1T, 8-10 ft

Sample Data

	Container	Quantity	Preservative
Date: 3/27/91 Time: 1055 Sampler: JLR Weather: O'cast, rain, 50's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other undisturbed	40 ml V	2	I

Description Data

Organic Vapor Reading: >1000 ppm
Instrument: OVA
Sample Depth: 8-10 ft
Core Length: ____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till
Monsel Color: Light olive grey (5Y5/2)
Grain Size: Clay; some silt; little v.c. subang. sand; some m-c sand mostly on outside of sample.
Sample Description Foreign Material: ____
Appearance:
Odor present, wet.

Comments:

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LIN002 0 0 0 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 402910327-03
Sampling Location: DW-1T, S-8

Sample Location Info

DW-1T, 14-16 ft

Sample Data

	Container	Quantity	Preservative
Date: 3/27/91 Time: 1145 Sampler: J.K. Weather: C'cast, rainy, 50's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other undisturbed	40 ml V	2	I

Description Data

Organic Vapor Reading: > 1000 ppm
Instrument: OVA
Sample Depth: 14-16 ft
Core Length: ____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till
Monsel Color: light olive grey (5Y5/2) to mod. olive brown (5Y4/4)
Grain Size: Clay; little silt, little fine sand; little fine-mod rounded gravel,
Sample Description Foreign Material: ____
Appearance:
Odor present, wet.

Comments:

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ADMINISTRATIVE RECORD

LIN002 0 8 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #:
Project Location: Woodstock, CT
Sample #: 402910327-04

Sampling Location
DW-1T, S-10

Sample Location Info

DW-1T, 18-20 ft

Sample Data

	Container	Quantity	Preservative
40 ml V	2	I	
8 oz G	1	I	

Date: 3/27/91 Time: 1300
Sampler: JLR Weather: Overcast, rainy, 50's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other Undisturbed

Description Data

Organic Vapor Reading: 300 ppm Instrument: OVA

Sample Depth: 18-20 ft Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till

Monsel Color: light olive grey (5Y5/2) Grain Size: Clay; little fi sand-silt; little fi subrounded-subangular gravel

Sample Description Foreign Material: _____

Appearance:
No strong odor, wet.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 208 02

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster, CT
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: DW-1T, 5-15
Sample #: 402910328-05

Sample Location Info

DW-1T, 28-30 ft

Sample Data

	Container	Quantity	Preservative
Date: 3/27/91 Time: 1435 Sampler: JCR Weather: O'cast, rainy, 50's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon Trowel / Other _____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other undisturbed	40ml V	2	I

Description Data

Organic Vapor Reading: N/A
Instrument: N/A
Sample Depth: 28-30 ft
Core Length: _____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till
Monsel Color: Light olive grey (5Y 5/2)
Grain Size: Clay, little fi sand-silt, little v f. subrounded gravel.
Sample Description Foreign Material: _____
Appearance:
Odor present, wet.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
0803

Trip Blank Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-58
Project Location: Woodstock, CT
Sample #: 402910327-06

Well ID
Trip Blank

FUSS&O'NEILL Environmental Field Services

Sample Data	Container	Quantity	Preservative
Date: 3/27/91 Time: ____ Sampler: JLR Weather: O'cast, rainy, 50's	40ml V	1	I/H
Blank Supplied By Lab / F&O / Other ____			

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
408

Soil Sampling Field Data Sheet

Client Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location
ample #: 402910328-08
DW-1T, S-20

FUSS&O'NEILL
Environmental
Field Services

Sample Location Info

DW-1T @ 38-40 feet.

Sample Data

	Container	Quantity	Preservative
40ml V	2	I	
8 oz G	2	I	

Date: 3/28/91 Time:
Sampler: VLR Weather: 70's, clear, windy

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other

Field decon: (Yes) / No / Dedicated

Type of Sample: Grab / Composite / (Other) Undisturbed

escription Data

Organic Vapor Reading: 47 max ppm Instrument: OVA

Sample Depth: 38-40 ft Core Length:

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till

Monsel Color: light olive grey (5Y5/2) Grain Size: Clay, little m-f sand; trace co. sand.

Sample Description Foreign Material:

Appearance:
odor present, wet.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 0 5

Trip Blank Field Data Sheet

Client Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 40291032 8-09

Well ID
Trip Blank

FUSS&O'NEILL
Environmental
Field Service.

Sample Data

Date: 3/28/91 Time: 1100
Sampler: JLR Weather: 70's, clear, windy
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
40 ml ✓	1	I/H

Comments:

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LIN002 8 0 5 6

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location #
mple #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/29/91 Time: ____ Sampler: PDL Weather: P. Cldy 40s	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 320 ppm
Instrument: OVA
Sample Depth: 0'-2'
Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand - silt. some organic material. D

Monsel Color: Dark Yellowish Brown 10 YR 4/2
Grain Size: Fine-Med sand, Silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0071

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

Date: 11/29/91 Time: _____
Sampler: PDL Weather: P. Cldy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: >1000 ppm Instrument: OVA

Sample Depth: 9'-11' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand + silt, some gravel, small schist cobbles (T.11)
strong paint thinner-like odor

Monsel Color: Grayish olive 10Y 4/2 Grain Size: Fine sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LIN002
0088

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 12/7/91 Time: _____
Sampler: PDL Weather: Bldy 40°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: 120 Instrument: OVA

Sample Depth: 19'-21' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand + silt, some cobbles, schist cobbles (Till)

Monsel Color: Light olive gray 5Y 5/2 Grain Size: Fine sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
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LIN002
608

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location #: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: ~~11/27/91~~ 12/2/91 Time: ____ Sampler: PDL Weather: Sunny 40's Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample: (Grab) / Composite / Other ____	VOA	2	I

Description Data

Organic Vapor Reading: 300ppm
Instrument: OVA
Sample Depth: 30'-32'
Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Low recovery from spoon. Schist cobble at end.
Fine sand + silt, Trace gravel (T, 11) Slight odor

Monsel Color: Olive Grey 5 Y 3/2
Grain Size: Fine sand-silt
Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
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LIN002
0 1 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: ~~[illegible]~~ 12/5/91 Time: _____ Sampler: POL Weather: P. Cldy 40's Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____ Field decon: (Yes) / No / Dedicated Type of Sample: (Grab) / Composite / Other _____	VOA	2	I

Description Data

Organic Vapor Reading: 110 ppm
Instrument: OVA
Sample Depth: 40'-41'
Core Length: 1'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
(Boulder 38-39) Rock fragments. Very dense till. Fine sand + silt. Possibly weathered bedrock
Monsel Color: Olive gray 5 4/2
Grain Size: Fine sand + silt
Sample Description Foreign Material: _____
Appearance:

Comments:

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LIN002 8 1 1 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location: [redacted]
Sample #: 373911205-115	

Sample Location Info

See Dewatering well Location Map

Sample Data

	Container	Quantity	Preservative
Date: 12/1/91 Time: ____ Sampler: PDL Weather: Cloudy 40's	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 950 ppm Instrument: OVA

Sample Depth: 0-2 Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F-M Sand + silt, little gravel, organic material
Strong paint thinner odor

Monsel Color: Dusky Yellow Brown 10YR 2/2 Grain Size: F Sand + silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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LIN002 8 1 2

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: [illegible]
Sampling Location: [illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/5/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
[illegible]	[illegible]	I
Tube	1	

Description Data

Organic Vapor Reading: 300 ppm
Instrument: OVA
Sample Depth: 15-20'
Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, some gravel

Monsel Color: _____
Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LIN002
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Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [illegible]
Sample #: 3939/1205-114-2

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/5/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 370 ppm Instrument: OVA
Sample Depth: 20'-22' Core Length: 2"
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, little gravel
Monsel Color: light olive grey (5Y 5/2) Grain Size: F Sand + silt
Sample Description Foreign Material: _____
Appearance:

Comments:

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LIN002
4 1 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: DW 37
Sample #: 37997206-123

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/6/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 490 ppm Instrument: OVA
Sample Depth: 30'-32' Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, trace gravel, trace silt (wet)

Monsel Color: _____ Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LIN002 8 1 5

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: DW-3T
Sample #: 173971206-1[illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

	Container	Quantity	Preservative
Date: 12/6/91 Time: ____ Sampler: PDL Weather: Cloudy 40's	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 950 ppm
Instrument: OVA
Sample Depth: 35'-37'
Core Length: 2"
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, trace gravel
Monsel Color: Olive gray 5Y 3/2
Grain Size: F Sand + silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LIN002 8 1 6

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location
mple #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 11/25/91 Time: _____
Sampler: PDL Weather: Sun 60s

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: 650 ppm Instrument: OVA

Sample Depth: 0'-2' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine-Medium sand, little gravel No distinct odor

Monsel Color: Dk yellow brown 10 YR 4/2 Grain Size: F-M sand

Sample Description Foreign Material: Wood chips to 6" under plastic

Appearance:

Comments:

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LIN002 8 1 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location #: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/25/91 Time: ____ Sampler: PDL Weather: Sun 50°	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 540 ppm
Instrument: OVA
Sample Depth: 10'-12'
Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Fine [redacted] sand + gravel [redacted] moderate odor
Monsel Color: lgt olive brown 5Y 5/3
Grain Size: Fine sand + silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 / 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

Date: 11/26/91 Time: _____
Sampler: POL Weather: Cldy 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 220 ppm Instrument: OVA
Sample Depth: 25'-27' Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till. Fine sand + silt. Weathered schist fragments. Slight odor
Monsel Color: Olive gray 5Y 3/2 Grain Size: Fine sand + silt
Sample Description Foreign Material: _____
Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 8 1 9

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/26/91 Time: ____ Sampler: POL Weather: Cldy 40F	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other ____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other ____

Description Data

Organic Vapor Reading: 200 ppm
Instrument: OVA
Sample Depth: 30'-32'
Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till. Fine sand + silt. Weathered schist cobbles odor

Monsel Color: Olive grey 5Y 3/2
Grain Size: Fine sand + silt
Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 020

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location
mple #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/26/91 Time: ____ Sampler: PDL Weather: Cldy 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	I

[ ]cription Data

Organic Vapor Reading: 120 Instrument: OVA

Sample Depth: 20'-22' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till. Fine sand + silt + some gravel Slight odor

Monsel Color: Olive grey 5Y 3/2 Grain Size: Fine Sand + silt

Sample Description Foreign Material: ____

Appearance:

Comments:

rix386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 128

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.	Project #: 86-58
Project Location: WOODSTOCK, CT	Sampling Location
Sample #: 401920401-10	MW-10ts

Sample Location Info

Zone #1

Sample Data

	Container	Quantity	Preservative
Date: 4/1/92 Time: ____ Sampler: SJR Weather: ____	glass 4oz.	1	—

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA/OVM

Sample Depth: 0-2' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till and Topsoil

Monsel Color: 10YR4/2 DK. yellowish Brown Grain Size: Fine

Sample Description Foreign Material: ____

Appearance: Compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
228

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 86-83
Project Location: WOODSTOCK, CT
Sample #: 401920401-~~AB~~ 11
Sampling Location: MW-10ts

Sample Location Info

Zone 1

Sample Data

	Container	Quantity	Preservative
Date: 4/1/92 Time: _____ Sampler: SJR Weather: _____	glass 4oz.	1	—

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Description Data

Organic Vapor Reading: 1743 ppm
Instrument: OVM/OVA
Sample Depth: 5-7 ft.
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till - fine, little gravel
Monsel Color: 5Y4/1 Olive gray
Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Compact, dense

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
023

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-58
Project Location: WOODSTOCK, CT
Sampling Location: MW-10ts
Sample #: 401920401-12

Sample Location Info

Zone 1

Sample Data

	Container	Quantity	Preservative
Date: 7/1/92 Time: ____ Sampler: SJR Weather: 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	glass 4oz	1	—

Description Data

Organic Vapor Reading: 332 ppm
Instrument: OVM/OVA
Sample Depth: 10-12 ft
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, little gravel
Monsel Color: 5GY 4/1 Dark greenish Grey
Grain Size: Fine
Sample Description Foreign Material: ____
Appearance: Compact, dense

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 824

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 40192.0401-13
Sampling Location: MW-10ts

Sample Location Info

Zone 1

Sample Data

Date: 4/1/92 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
Glass 4oz	1	—

Description Data

Organic Vapor Reading: 1400 ppm Instrument: OVM/OVA
Sample Depth: 15-17 Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, a little gravel
Monsel Color: 5GY 4/1 DK. greenish gray Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 825

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.	Project #: 86-88
Project Location: WOODSTOCK, CT	Sampling Location: MW10ts
Sample #: 401920401-14	

Sample Location Info

Zone 1

Sample Data

Date: 4/1/92 Time: _____
Sampler: SJR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
glass 4oz	1	—

Description Data

Organic Vapor Reading: 932 ppm Instrument: OVM/OVA

Sample Depth: 20-22 ft. Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, little gravel

Monsel Color: 5Y 4/1 Olive grey Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:
Compact, Dense

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 829

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 40192040 1-15
Sampling Location: MW-10 TS

Sample Location Info

Zone 1

Sample Data

Date: 4/1/92 Time: _____
Sampler: STR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / ~~Split Spoon~~
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
4oz glass	1	—

Description Data

Organic Vapor Reading: 1411 ppm Instrument: OVM/OVA
Sample Depth: 24-26 Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, fine grained little gravel

Monsel Color: 5Y4/1 Olive gray Grain Size: fine
Sample Description Foreign Material: _____
Appearance:
Compact, dense

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002827

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: ~~B-46~~/MW-24
Sample #: 401910619-51

Sample Location Info

See Linemaster Borings Map for zone 4

Sample Data

Date: 6/19/91 Time: _____
Sampler: _____ Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A

Description Data

Organic Vapor Reading: 1 ppm Instrument: OVA
Sample Depth: 4'-6' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty sand trending toward till. Some subangular gravel

Munsell Color: Dk yellow brown → lt olive gray
10YR 4/2 → 5Y 5/2
Grain Size: Fine grained
Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 828

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88
Pr... t Location: Woodstock CT
...ple #: 401910619-52
Sampling Location: B-46/MW-24

FUSS&O'NEILL Environmental Field Services

Sample Location Info

See Linemaster Borings Map for zone 4

Sample Data

Date: 6/19/91 Time: _____
Sampler: _____ Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A

...scription Data

Organic Vapor Reading: 1 ppm Instrument: OVA
Sample Depth: 8-10' Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, little gravel

Monsel Color: lgt olive gray 5Y 5/2 Grain Size: Fine grained
Sample Description Foreign Material: _____
Appearance:

Comments:

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LINEMASTER SWITCH
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LIN002 829

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: B-46/MW-24
Sample #: 401910619-53

Sample Location Info

See Linemaster Borings Map for zone 4

Sample Data

Date: 6/19/91 Time: _____
Sampler: _____ Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A

Description Data

Organic Vapor Reading: _____ Instrument: OVA

Sample Depth: 14'-16' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine grained till, little subangular gravel, damp

Monsel Color: lgt olive gray 5Y5/2 Grain Size: Fine grained

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
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LIN002
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Soil Sampling Field Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88
Site Location: Woodstock CT
Sample #: 401910619-54
Sampling Location: ~~B-46~~/MW-24

FUSS&O'NEILL
Environmental Field Services

Sample Location Info

See Linemaster Borings Map for zone 4

Sample Data

Date: 6/19/91 Time: _____
Sampler: _____ Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A

Description Data

Organic Vapor Reading: 7ppm Instrument: OVA
Sample Depth: 18-20' Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F. grained till, little gravel, damp

Munsel Color: Olive gray 5Y3/2 Grain Size: Fine grained
Sample Description Foreign Material: _____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0131

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: ~~B-46~~/MW-24
Sample #: 401910619-55

Sample Location Info

See Linemaster Borings Map for zone 4

Sample Data

	Container	Quantity	Preservative
	VOA	2	N/A
	8oz Glass	1	N/A

Date: 6/19/91 Time:
Sampler: Weather: Cloudy 70's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other

Description Data

Organic Vapor Reading: 2 ppm Instrument: OVA

Sample Depth: 24-26' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, wet, little gravel

Munsel Color: Olive gray 5Y 3/2 Grain Size: F. Grained

Sample Description Foreign Material:

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
2 3 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Pr t Location: Woodstock CT
Sampling Location: ~~B-46~~/MW-24
ple #: 401910619-56

Sample Location Info

See Linemaster Borings Map for zone 4

Sample Data

Date: 6/19/91 Time: _____
Sampler: _____ Weather: Cloudy 70°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	N/A
8 oz Glass	1	N/A

Description Data

Organic Vapor Reading: 3 ppm Instrument: OVA

Sample Depth: 28'-30' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till, damp little gravel

Munsell Color: Olive gray 5Y 5/2 Grain Size: Fine grained

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E E B 3 3

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910621- 70
Sampling Location: MW-25

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

Date: 6/21/91 Time: _____
Sampler: PDL/SJR Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA

Sample Depth: 5-7 ft. Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little - Some gravel

Dk. Yellow Brown → Mod Yellow Br.
Monsel Color: 10YR4/2 → 10YR5/4 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance: Compact, (See description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E34

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910621- 71
Sampling Location: MW-25

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

Date: 6/21/91 Time: _____
Sampler: PDL/SJR Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	NA
Glass jar 8oz	1	N/A

Description Data

Organic Vapor Reading: 1ppm
Instrument: OVA

Sample Depth: 10-12
Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little-Some gravel

Dk. Yellow Brown → Mod Yellow Brown
Monsel Color: 10YR 4/2 → 10YR 5/4
Grain Size: Fine

Sample Description Foreign Material: _____

Appearance: Compact, (See description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
835

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location MW-25
Sample #: 401910621-72	

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

Date: 6/21/91 Time: _____
Sampler: PDL/SJR Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 4 ppm Instrument: OVA

Sample Depth: 14'-16' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little-Some gravel

Monsel Color: lgt Olive Gray 5Y 3/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance: Compact, (See description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8359

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 401910621-73
Sampling Location: MW-25

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

Date: 6/21/91 Time: _____
Sampler: PDL/SJR Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA glass jar 8oz.	2	NA

scription Data

Organic Vapor Reading: 20 ppm Instrument: OVA
Sample Depth: 18-20 Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little-Some gravel
Monsel Color: Lt. Olive gray 5Y 5/2 Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Compact, (See description) Damp

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
E37

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: MW-25
Sample #: 401910621-74

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

	Container	Quantity	Preservative
Date: 6/21/91 Time: ____ Sampler: PDL/SJR Weather: Sunny 90 Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	NA

Description Data

Organic Vapor Reading: 7 ppm
Instrument: OVA
Sample Depth: 25'-27'
Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little - Some gravel
Monsel Color: Lgt Olive gray 5Y 3/2
Grain Size: Fine
Sample Description Foreign Material: ____
Appearance: Compact, (See description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
0838

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: MW-25
Sample #: 401910621-75

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

Date: 6/21/91 Time: _____
Sampler: PDL/SJR Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	NA
8 oz Glass	1	NA

Description Data

Organic Vapor Reading: 4 ppm Instrument: OVA
Sample Depth: 29'-31' Core Length: NA
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little - Some gravel
Monsel Color: lgt Olive Gray Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Compact, (See description)

Comments:

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LINEMASTER SWITCH
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LIN002
6 3 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location
Sample #: 401910621-76	MW-25

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

Date: 6/21/91 Time: _____
Sampler: PDL/SJR Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	NA

Description Data

Organic Vapor Reading: 1ppm Instrument: OVA

Sample Depth: 35'-37' Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little - Some gravel

Monsel Color: Olive gray 5Y5/2 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance: Compact, (See description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0449

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 40191062L-77
Sampling Location: MW-25

Sample Location Info

See Zone 4 Soil Boring Map

Sample Data

Date: 6/21/91 Time: _____
Sampler: PDL/SJR Weather: Sunny 90

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	NA
8 oz Glass	1	NA

Description Data

Organic Vapor Reading: 1ppm
Instrument: OVA
Sample Depth: 45'-47'
Core Length: NA

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Overburden till, Fine grained, little - Some gravel

Monsel Color: Olive gray 5Y5/2
Grain Size: Fine

Sample Description Foreign Material: _____

Appearance: Compact, (See description)

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 4 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP	Project #: 86-88
Project Location: WOODSTOCK, CT	Sampling Location: MW30ts
Sample #: 401920831-01	

Sample Location Info

Along West Wall of Facility

Sample Data

	Container	Quantity	Preservative
Date: 3/31/92 Time: ____ Sampler: STR Weather: 40's	~~1L 403~~ VOA	2	—

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA

Sample Depth: 0-2 Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, fine grained little gravel

Monsel Color: 5Y 4/4 Grain Size: fine

Sample Description Foreign Material: ____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 4 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920331-02

Sampling Location
MW 30 ts

Sample Location Info

Along West Wall of Facility

Sample Data

	Container	Quantity	Preservative
Date: 3/31/92 Time: ____ Sampler: SJR Weather: 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	—

Description Data

Organic Vapor Reading: 0ppm
Instrument: OVA
Sample Depth: 5-7 ft.
Core Length: ____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, Fine grained, little f-m gravel
Monsel Color: 5Y 5/2 light olive grey
Grain Size: Fine
Sample Description Foreign Material: ____
Appearance:
Compact, dense

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E48

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-88
Project Location: WOODSTOCK, CT
Sampling Location: MW-30fs
Sample #: 401920531-03

Sample Location Info

Along West Wall of Facility

Sample Data

	Container	Quantity	Preservative
Date: 3/31/92 Time: ____ Sampler: SJR Weather: 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	—

Description Data

Organic Vapor Reading: 0ppm
Instrument: OVA
Sample Depth: 10-12 ft.
Core Length: ____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, fine grained
~~some~~ f-m gravel
Monsel Color: 5Y 5/2 light olive grey
Grain Size: fine
Sample Description Foreign Material: ____
Appearance: Compact, dense

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 448

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-85
Project Location: WOODSTOCK, CT
Sample #: 401920331-04

Sampling Location: MW-50ts

Sample Location Info

Along West Wall of Facility

Sample Data

	Container	Quantity	Preservative
Date: 3/31/92 Time: ____ Sampler: SJR Weather: 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 15-17 ft. Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till, Fine grained - little gravel

Monsel Color: 5Y 5/2 light olive grey Grain Size: fine

Sample Description Foreign Material: ____

Appearance: Compact, dense

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 845

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-33
Project Location: WOODSTOCK, CT
Sample #: 401920331-05

Sampling Location
MW-30ts

Sample Location Info

Along West Wall of Facility

Sample Data

Date: 3/31/92 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / ~~Split Spoon~~ / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA
Sample Depth: 20-22 Core Length: _____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till Fine grained
Monsel Color: 5GY 4/1 DK. greenish grey Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Compact dense

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 4 9 5

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-88

Project Location: WOODSTOCK, CT

Sample #: 401920331-06

Sampling Location: MW-30 ts

Sample Location Info

Along West Wall of Facility

Sample Data

	Container	Quantity	Preservative
Date: 3/31/92 Time: ____ Sampler: SJR Weather: 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 25-27 Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till Fine grained

Monsel Color: 5GY 4/1 Dark greenish gray Grain Size: ____

Sample Description Foreign Material: ____

Appearance: Compact, dense

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 847

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920331-~~06~~ 07
Sampling Location: MW-30 td

Sample Location Info

Along West Wall of Facility

Sample Data

Date: 3/31/92 Time: _____
Sampler: SJR Weather: 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM
Sample Depth: 30-32 Core Length: _____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, fine grained little gravel
Monsel Color: 5GY 4/1 Dark Greenish Grey Grain Size: Fine
Sample Description Foreign Material: _____
Appearance: Compact, dense

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
848

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920331-08
Sampling Location: MW-30 td

Sample Location Info

Along West side of Facility

Sample Data

	Container	Quantity	Preservative
Date: 2/31/92 Time: ____ Sampler: SSR Weather: 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	—

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 35-37' Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till, Fine grained

Monsel Color: 5GY 4/1 DK. greenish grey Grain Size: Fine

Sample Description Foreign Material: ____

Appearance: Compact, dense

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 649

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: 00[illegible]T
Sample #: 3739[illegible]205-1[illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

	Container	Quantity	Preservative
Date: 12/5/91 Time: ____ Sampler: PDL Weather: Cloudy 40's Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample: (Grab) / Composite / Other ____	VOA	2	I

Description Data

Organic Vapor Reading: 520ppm
Instrument: OVA
Sample Depth: 2-4
Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F Sand + silt, trace gravel, trace schist cobbles
Paint thinner odor

Monsel Color: Moderate Brown 5 YR 3/4
Grain Size: F Sand + silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 5 0

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [illegible]-77
Sample #: 37591203-[illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

	Container	Quantity	Preservative
	Tube	1	I

Date: 12/5/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: — Instrument: [illegible]

Sample Depth: 8-10' Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F Sand + silt, some gravel
strong paint thinner odor

Monsel Color: Dark yellowish Brown (10YR 4/2) Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 5 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [illegible]
Sample #: 1739-1205- [illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/6/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: >1000 ppm
Instrument: OVA
Sample Depth: 14-16
Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, some gravel, trace schist cobbles
strong paint thinner odor

Monsel Color: lgt olive grey (5 Y 5/2)
Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8552

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 3739/1205-103
Sampling Location: 003

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/1/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
Tube	1	I

Description Data

Organic Vapor Reading: — Instrument: _____
Sample Depth: 17-19 Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, some gravel
slight odor

Monsel Color: light olive grey (5 Y 5/2) Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E58

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [illegible]
Sample #: 3739[illegible]205-[illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/1/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
[illegible]	[illegible]	I
Tube	1	

Description Data

Organic Vapor Reading: — Instrument: [illegible]

Sample Depth: 28'-30' Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, little gravel

Monsel Color: Olive gray 5Y 3/2 Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 854

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
oject Location: Woodstock CT
Sampling Location: 100-77
Sample #: 17397205 - #3

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/5/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 380 ppm
Instrument: OVA
Sample Depth: 35-37'
Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, little gravel

Monsel Color: Olive grey (5Y 3/2)
Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8555

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: DW 31
Sample #: 37397209-[illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/4/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 15 ppm Instrument: OVA
Sample Depth: 0'-2' Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F-M Sand + silt, little gravel, trace root material

Monsel Color: Dark yellowish Brown 10 YR 4/2 Grain Size: F Sand + silt
Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8559

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [illegible]
Sample #: [illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/4/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 22 ppm Instrument: OVA
Sample Depth: 9'-11' Core Length: 2"
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F Sand + silt, some gravel
Monsel Color: Grayish Olive (10Y 4/2) Grain Size: F Sand + silt
Sample Description Foreign Material: _____
Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 8571

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [illegible]
Sample #: 1739117204-[illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

	Container	Quantity	Preservative
Date: 12/4/91 Time: ____ Sampler: PDL Weather: Cloudy 40's Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample: (Grab) / Composite / Other ____	VOA	2	I

Description Data

Organic Vapor Reading: 90ppm Instrument: OVA

Sample Depth: 19'-21' Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F Sand + silt, little gravel, few schist-siltstones

Monsel Color: Light olive gray (5 Y 5/2) Grain Size: F Sand + silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 858

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location
Sample #: [illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/ 1/91 Time:
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 210 ppm
Instrument: OVA
Sample Depth: 24'-26'
Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
F Sand + silt, little gravel, schist cobbles

Monsel Color: light olive grey (5 Y 5/2)
Grain Size: F Sand + silt

Sample Description Foreign Material:

Appearance:

Comments:

nx386\e\0base\soilfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002658

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Sampling Location
Sample #: 1739120[illegible]	[illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

Date: 12/4/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 380ppm Instrument: OVA

Sample Depth: 29'-31' Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, little gravel, schist cobbles
slight odor

Monsel Color: Olive Grey 5 Y 3/2 Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 8 5 9

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: [illegible]
Sampling Location: [illegible]

Sample Location Info

See Dewatering well Location Map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 12/1/91 Time: _____
Sampler: PDL Weather: Cloudy 40's

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: 220 ppm Instrument: OVA

Sample Depth: 40'-41' Core Length: 2"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt, some gravel.

Monsel Color: Olive grey 5Y 3/2 Grain Size: F Sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 9 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location #: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: _____ Time: _____ Sampler: PDL Weather: _____ Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other _____	VOA	2	I

Description Data

Organic Vapor Reading: 2ppm Instrument: OVA

Sample Depth: 0'-2' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand + silt. little gravel. Loose dry

Monsel Color: Dk yellow brown 10YR 4/2 Grain Size: Fine sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8952

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: [redacted]
ample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/26/91 Time: ____ Sampler: POL Weather: P.cldy 40's Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	I

scription Data

Organic Vapor Reading: 320 Instrument: OVA

Sample Depth: 9'-11' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand silt some gravel Slight odor
(stronger paint thinner like odor in drill cuttings ~12')

Monsel Color: Light olive gray 5Y 5/2 Grain Size: ____

Sample Description Foreign Material: ____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8953

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

Date: 11/27/91 Time: _____
Sampler: POL Weather: Sunny 40°

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 150 ppm Instrument: OVA

Sample Depth: 14'-16' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
T.H, Fine sand/silt. Slight paint thinner odor

Monsel Color: light olive grey 5Y 5/2 Grain Size: Fine sand and silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8654

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/26/91 Time: ____ Sampler: PDL Weather: Sunny 40's Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) / Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample: (Grab) / Composite / Other ____	VOA	2	I

Description Data

Organic Vapor Reading: 260 ppm Instrument: OVA

Sample Depth: 19'-21' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand + silt, very wet, some gravel, schist cobbles

Monsel Color: Olive gray 5Y 3/2 Grain Size: Fine Sand + silt

Sample Description Foreign Material: ____

Appearance:

Comments:

386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8955

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/28/91 Time: ____ Sampler: PDL Weather: Sunny 50's	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 120 ppm
Instrument: OVA
Sample Depth: 42'-44'
Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Very sloppy Fine sand + silt, some gravel slight odor
Monsel Color: Medium gray N-5
Grain Size: Fine sand + silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 5 5 5

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: 3739170[redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 12/2/91 Time: _____
Sampler: POL Weather: Cldy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: 15 ppm Instrument: OVA

Sample Depth: 0-2 Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine-medium sand and silt, Trace gravel, root material

Monsel Color: Dark yellow Brown 10YR 4/2 Grain Size: Fine-Mid Sand-Silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LIN002 8 5 7

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 12/2/91 Time: ____ Sampler: POL Weather: Cldy 40's	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 46ppm
Instrument: OVA
Sample Depth: 9'-11'
Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand, silt, little gravel. Schist cobbles. No odor.
Monsel Color: Medium Grey N5
Grain Size: Fine Sand, silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
8958

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 12/2/91 Time: ____ Sampler: PDL Weather: 40s Cldy Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____ Field decon: (Yes) / No / Dedicated Type of Sample: (Grab) / Composite / Other ____	VOA	2	I

Description Data

Organic Vapor Reading: 140 ppm
Instrument: OVA
Sample Depth: 19'-21'
Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand and silt some gravel. slight odor (Till)
Monsel Color: Olive gray 5Y 4/1
Grain Size: F sand, silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 12/02/91 Time: _____
Sampler: PDL Weather: 40's Cldy

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: 120ppm Instrument: OVA

Sample Depth: 24'-26' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand and silt, little gravel. weathered schist cobbles. Slight odor. (T.11)

Monsel Color: Olive grey 5Y 3/2 Grain Size: Fine sand + silt

Sample Description Foreign Material: —

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0178

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 12/2/91 Time: ____ Sampler: POL Weather: 40s Cloudy Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other ____	VOA	2	I

Description Data

Organic Vapor Reading: 60 ppm
Instrument: OVA
Sample Depth: 29'-31'
Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand + silt, some gravel (Till)
Monsel Color: Olive grey 5Y 3/2
Grain Size: Fine sand · silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LIN002 8 7 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 11/21/91 Time: _____
Sampler: PDL Weather: Showers 50°

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: 90 ppm Instrument: OVA

Sample Depth: 0'-2' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine + Med sand, some silt to 5" Black organics last 9"

Monsel Color: Dk yellow brown + Black 10YR 4/2 Grain Size: Fine sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 [redacted] 8 1 2

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/21/91 Time: ____ Sampler: POL Weather: Showers 50°	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____
Field decon: (Yes) / No / Dedicated
Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: >1000ppm
Instrument: OVA
Sample Depth: 9'-11'
Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand & Silt ~~[illegible]~~ some gravel
Very strong paint thinner odor
Monsel Color: Light olive brown 5Y 5/6
Grain Size: Fine sand & silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LIN002
E L 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location #: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/21/91 Time: ____ Sampler: POL Weather: Showers 50's	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 320 ppm
Instrument: OVA
Sample Depth: 19'-21'
Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Small sample recovery. Solid cobble in spoon
Fine sand + silt little gravel slight odor
Monsel Color: light olive gray 5Y 5/2
Grain Size: Fine Sand + silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 8 7 4

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: [redacted]
Sampling Location: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

Date: 11/25/91 Time: _____
Sampler: PDL Weather: Sun 50°s

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 300 ppm Instrument: OVA
Sample Depth: 29'-31' Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silt + Fine sand, some gravel

Monsel Color: Olive gray 5Y3/2 Grain Size: Fine Sand silt
Sample Description Foreign Material: _____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8715

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 11/25/91 Time: _____
Sampler: PDL Weather: Sun 40°

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Description Data

Organic Vapor Reading: 320 ppm Instrument: OVA

Sample Depth: 39-39.8 Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till. Fine sand + silt

Monsel Color: Olive grey 5Y 3/2 Grain Size: Fine sand + silt

Sample Description Foreign Material: _____

Appearance:

Comments:

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LIN002 8 1 5

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

Date: 11/20/91 Time: _____
Sampler: POL Weather: P. cldy 40s

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 15ppm Instrument: OVA
Sample Depth: 4'-6' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine Sand + silt weathered schist cobbles, gravel

Monsel Color: Moderate olive Brown 5Y 4/4 Grain Size: Fine sand + silt
Sample Description Foreign Material: _____

Appearance:

Comments:

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LIN002 8 7 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

Date: 11/20/91 Time:
Sampler: POL Weather: Pty Cldy 40s

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other

Container	Quantity	Preservative
VOA	2	I

Description Data

Organic Vapor Reading: 120 Instrument: OVA
Sample Depth: 9'-11' Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till. Fine sand + silt, some gravel. damp
Monsel Color: Lgt olive gray 5Y5/2 Grain Size: Fine sand + silt
Sample Description Foreign Material:
Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 8 7 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: [redacted]
Sampling Location: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/20/91 Time: ____ Sampler: PDL Weather: P. Cldy 40°	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 420ppm Instrument: OVA

Sample Depth: 14'-16' Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, Fine sand + Silt. weathered schist fragment and gravel
Slight odor

Monsel Color: ~~light olive~~ olive gray 5Y 5/2 Grain Size: Fine sand-silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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LIN002 8 7 9

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/21/91 Time: ____ Sampler: POL Weather: Cldy 40's	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 760 ppm Instrument: OVA
Sample Depth: 29'-31' Core Length: 2'
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till, fine sand and silt, some gravel. Slight odor
Monsel Color: Olive grey 5Y 3/2 Grain Size: Fine Sand + silt
Sample Description Foreign Material: ____
Appearance:

Comments:

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LIN002
088

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location #: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/21/91 Time: ____ Sampler: PDL Weather: Showers 50s	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 680 Instrument: OVA

Sample Depth: 39-40 Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Rock fragments, weathered schist. Fine sand + silt. Odor

Monsel Color: Olive gray 5Y 3/2 Grain Size: Fine sand + silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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LIN002 88 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sampling Location #: [redacted]
Sample #: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
Date: 11/19/91 Time: ____ Sampler: PDL Weather: Sunny 60	VOA	2	I

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA

Sample Depth: 0-2 Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand roots to 6" Fine sand + silt some gravel (Till) last 8"

Monsel Color: Dusky Brown → Mod olive brown
5YR 2/2 5Y 4/4

Grain Size: F sand + silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 282

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sample #: 373911119-23
Sampling Location: OW-7t

Sample Location Info

See zone 1 dewatering well map

Sample Data

Date: 11/19/91 Time: _____
Sampler: ANL Weather: Sunny 60

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2	—

Description Data

Organic Vapor Reading: 0.4 ppm Instrument: OVA
Sample Depth: 9'-11' Core Length: 14"

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till - silt, F-sand, gravel very weathered schist cobbles

Monsel Color: grayish olive Grain Size: Silt-Fin Sand

Sample Description Foreign Material: —

Appearance: —

Comments:

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LIN002
E 88 3

Soil Sampling Field Data Sheet

JSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Sampling Location
Sample #: 37391119-25	OW-7f

Sample Location Info

See zone 1 dewatering well map

Sample Data

	Container	Quantity	Preservative
Date: 11/19/91 Time: ____ Sampler: AAL Weather: Sunny 60	VOA	2	—

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____

Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 101 ppm Instrument: OVM

Sample Depth: 19-21 Core Length: 20'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Till silt + f sand gravel

Monsel Color: Olive grey 5Y 3/2 Grain Size: F Sand silt

Sample Description Foreign Material: ____

Appearance:

Comments:

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ADMINISTRATIVE RECORD

LIN002 884

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sampling Location: OW-7t
Sample #: 373911119-2.7

Sample Location Info

See zone 1 dewatering well location Map

Sample Data

	Container	Quantity	Preservative
Date: 11/19/91 Time: ____ Sampler: PDC Weather: Sunny 60	VOA	2	—

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other ____
Field decon: (Yes) / No / Dedicated
Type of Sample: (Grab) / Composite / Other ____

Description Data

Organic Vapor Reading: 133 ppm
Instrument: OVM
Sample Depth: 29-29.5
Core Length: 6"
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till pegmatite boulder 29.5'
Monsel Color: Olive Gray 5Y 3-2
Grain Size: F sand - Silt
Sample Description Foreign Material: ✓
Appearance: ✓

Comments:

nx386\e\0base\soilfds
revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
5885

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sample #: 373911119-30
Sampling Location: Blank #1

Sample Location Info

Down slope from BK-2

Sample Data

	Container	Quantity	Preservative
	VOA	2	

Date: 11/19/91 Time: 11 15
Sampler: PAL Weather: Sunny 50

Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon
Trowel / Other _____
Field decon: Yes / (No) / Dedicated

Type of Sample: (Grab) / Composite /
Other _____

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVM
Sample Depth: 2' Core Length: —
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till Light olive brown

Monsel Color: Light olive brown 5 Y 5/6 Grain Size: Silt
Sample Description Foreign Material: —

Appearance: —

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
9889

Soil Sampling Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: [redacted]
Sampling Location: [redacted]

Sample Location Info

See Dewatering well location map

Sample Data

	Container	Quantity	Preservative
	VOA	2	I

Date: 11/20/91 Time: _____
Sampler: POL Weather: P. Cldy 40's

Sampling Device: Auger / Core Sampler / Shovel / (Split Spoon) Trowel / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Description Data

Organic Vapor Reading: 280 ppm Instrument: OVA

Sample Depth: 39-40.5 Core Length: 2'

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Fine sand + silt some gravel, schist fragments slight odor

Monsel Color: Olive grey 5Y 3/2 Grain Size: _____

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0871

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: SS-1
Sample #: 402910328-01

FUSS&O'NEILL: Environmental Field Services

Sample Location Info

Composite sample from soil drums (10T and DW-1T)

Sample Data

Date: 3/28/91 Time: 1515
Sampler: VLR Weather: 70's, clear, windy

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / (Trowel) / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: Grab / (Composite) / Other _____

Container	Quantity	Preservative
40ml V	4	I
8oz G	2	I

Description Data

Organic Vapor Reading: N/A Instrument: _____

Sample Depth: 1 ft Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: light olive grey (5Y5/2) to olive grey (5Y3/2) Grain Size: Clay → Sand, C-f

Sample Description Foreign Material: _____

Appearance: Solvent odor, wet.

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002888

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 402910328-02
Sampling Location: SS-2

FUSS&O'NEILL
Environmental Field Services

Sample Location Info

Composite from soil drums (10T and DW-1T)

Sample Data

Date: 3/28/91 Time: 1530
Sampler: JLR Weather: 70's, clear, windy

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
40 ml V	4	I
8 oz G	2	I

Description Data

Organic Vapor Reading: N/A Instrument: _____

Sample Depth: ~1 ft Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: light olive grey (5Y 5/2) to olive grey (5Y 3/2) Grain Size: Clay → Sand, C-S

Sample Description Foreign Material: _____

Appearance:

solvent odor, wet.

Comments:

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revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
588

Soil Sampling Field Data Sheet

Client Project Name: Linemaster

Project #: 86-88

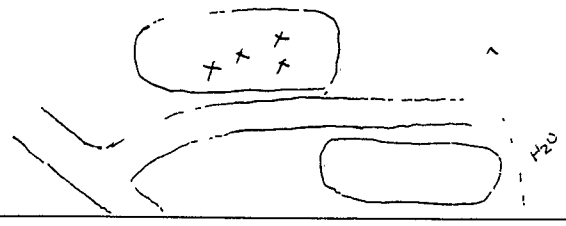
Project Location: Woodstock, CT

Sampling Location: SS-3

Sample #: 402910328-03

FUSS&O'NEILL Environmental Field Services

Sample Location Info



Sample Data

	Container	Quantity	Preservative
Date: 3/28/91 Time: 1700 Sampler: JLR Weather: 70's, clear, windy	40 ml V	4	I
Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____ Field decon: Yes / No / Dedicated	8 oz G	2	I
Type of Sample: Grab / Composite / Other _____			

Description Data

Organic Vapor Reading: N/A Instrument: _____

Sample Depth: ~1 ft Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: dk yellowish brown (10 YR 4/2) Grain Size: V.C.-m sand, some f. sand - silt

Sample Description Foreign Material: _____

Appearance:

no noticeable odor, dry

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH ADMINISTRATIVE RECORD

LIN002 0068

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster

Project #: 86-88

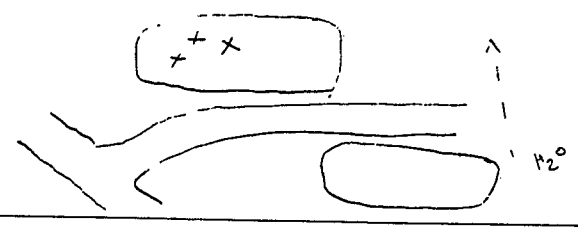
Project Location: Woodstock, CT

Sample #: 402910328-07

Sampling Location: SS-4

FUSS&O'NEILL Environmental Field Services

Sample Location Info



Sample Data

Date: 3/28/91 Time: 1715

Sampler: JLR Weather: 70's, clear, windy

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
40ml V	4	I
8 oz G	2	I

Description Data

Organic Vapor Reading: N/A Instrument: _____

Sample Depth: ~1 ft Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: dk yellowish brown (10YR 4/2) Grain Size: Sand, vc-m; some fi sand-silt

Sample Description Foreign Material: _____

Appearance:

no noticeable odor, dry

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 5 8

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster

Project #: 86-88

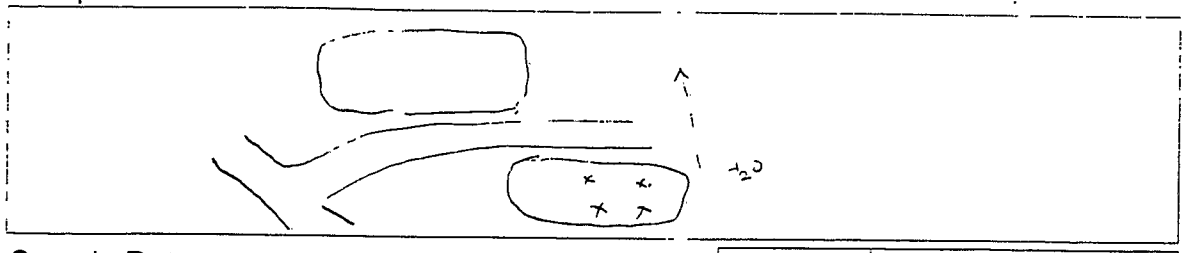
Project Location: Woodstock, CT

Sampling Location: SS-5

Sample #: 402910328-05

FUSS&O'NEILL Environmental Field Services

Sample Location Info



Sample Data

Date: 3/28/91 Time: 1730

Sampler: JLR Weather: 70's, clear, windy

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
40ml V	4	I
8oz G	2	I

Description Data

Organic Vapor Reading: N/A Instrument: _____

Sample Depth: 4 1 ft Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: dk yellowish brown (10 YR 4/2) Grain Size: Sand, c-m; little v c. sand; little med-fi gravel; some fi sand.

Sample Description Foreign Material: _____

Appearance:

no noticeable odor, dry

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

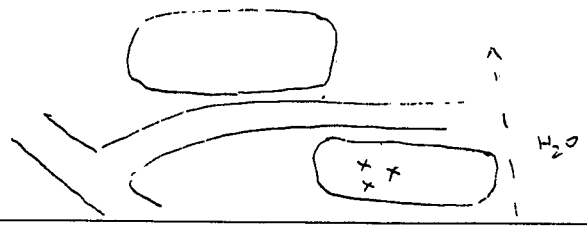
LIN002 2 6 8

Soil Sampling Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: SS-6
Sample #: 402910328-06

FUSS&O'NEILL
Environmental
Field Services

Sample Location Info



Sample Data

	Container	Quantity	Preservative
Date: 3/28/91 Time: 1739 Sampler: JLK Weather: 70's, clear, windy	40 ml VOA	4	I
Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____ Field decon: Yes / No / Dedicated	8 oz G	2	I
Type of Sample: Grab / Composite / Other _____			

escription Data

Organic Vapor Reading: N/A
Instrument: _____
Sample Depth: ~1 ft
Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: dk yellowish brown (10YR 4/2)
Grain Size: Sand; c-m; little v c. sand; little med-fi gravel, some fi sand.
Sample Description Foreign Material: _____
Appearance:
no noticeable odor, dry.

Comments:

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revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
8693

Equipment Blank Field Data Sheet

Client/Project Name: Linemaster
Project = E6-88
Project Location: Woodstock, CT
Well ID
Sample #: 402910328-07
Equip Blank

FUSS&O'NEILL
Environmental
Field Services

Sample Data

	Container	Quantity	Preservative
Date: 3/28/91 Time: 1600	40ml V	2	I/H
Sampler: JLR Weather: 70's, clear, windy			
Blank Water Supplied By: Lab / F&O / Other			
Equipment Used: Bailer / Filter / Pump / Other split spoon	1 l A	1	I
Filtered in Field? No / @Vehicle			
Method of Filtration: Pressure / Vacuum / Syringe			
Pump ID # — Filter ID # —	1 l A	1	I/N
Field Decon: Filter / Tubing / Other split-spoon			

Appearance:
clear, no odor

Comments:

* – Organic-free DI water used in these containers.

Comments:

nx386\e\0base\ebfds

revised 05/01/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 4 3 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster
Project #: 56-58
Project Location: Woodstock, CT
Sample #: 401910625-95

Sampling Location: T-1

Sample Location Info

Trench dug in old leaching field area opposite of house side

Sample Data

	Container	Quantity	Preservative
Date: 6/25/91 Time: _____ Sampler: SJR Weather: _____	VOA	2	

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA / GVM

Sample Depth: 3 ft. Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand

Monsel Color: Mod Yellow Brown 10YR5/4 Grain Size: Fine

Sample Description Foreign Material: _____

Appearance:

Comments:

mx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 6 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co	Project #: 86-38
Project Location: Woodstock, CT	Sampling Location
Sample #: 401910625-98	T-1 DUP

Sample Location Info

Trench dug in old leaching field

Sample Data

	Container	Quantity	Preservative
Date: 6/25/91 Time: ____	VOA	2 ✓	
Sampler: SJR Weather: Sunny 80	~~T~~ glass	2 ✓	
Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____	8oz. jar		
Field decon: Yes / No / Dedicated			
Type of Sample: Grab / Composite / Other ____			

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM/OVA

Sample Depth: 3 Core Length: ____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: Mod. Yellow Brown Grain Size: fine

Sample Description Foreign Material: ____

Appearance:

Comments:

Duplicate of -96

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9695

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 0919.0625-96
Sampling Location: T-1

Sample Location Info

Trench Dug in old leaching field area
(house side)

Sample Data

	Container	Quantity	Preservative
Date: 6/25/91 Time:	VOA	2	
Sampler: SJR Weather: Sunny 80	glass 8oz	2	

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM / OVA
Sample Depth: 3 ft. Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty-Sand
Monsel Color: Med Yellowish Brown Grain Size: fine
Sample Description Foreign Material:
Appearance: compact dry

Comments:

nx386\e\0base\soilfds revised 12/15/90

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ADMINISTRATIVE RECORD
LIN002 897

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster Switch, Co	Project #: 86-88
Project Location: Woodstock CT	Sampling Location
Sample #: LMS.0625-91	T-1

Sample Location Info

Trench Dug in old leaching field area

further side.

Sample Data

Date: 6/25/91 Time: _____
Sampler: STR Weather: Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	

Description Data

Organic Vapor Reading: 0ppm Instrument: O.M./OVA

Sample Depth: .5 Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand

Monsel Color: Moderate Yellowish Brown 10YR 5/4 Grain Size: fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
8968

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-58
Project Location: Woodstock, CT
Sampling Location: T-1 DIP
Sample #: [illegible]3625-93

Sample Location Info

Trench dug in old leaching field area

side closer to house

Sample Data

Date: 6/25/91 Time: _____
Sampler: SJH Weather: Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2 ✓	

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM/OVA

Sample Depth: .5 Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty - Sand

Monsel Color: Med. Yellow Brown Grain Size: fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002568

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switches
Project #: 86-85
Project Location: Woodstock CT
Sampling Location: T-2
Sample #: 401910625-90

Sample Location Info

Trench dug in old leaching field area

Sample Data

	Container	Quantity	Preservative
Date: 6 25 90 Time: ____ Sampler: JFR Weather: Sunny 70	VOA	2 ✓	

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA/0ppm
Sample Depth: .5 Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty, Sand
Monsel Color: Moderate Yellowish Brown 10YR5/6 Grain Size: Fine
Sample Description Foreign Material: ____
Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
0009

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: P6-33
Project Location: Woodstock, CT
Sampling Location: T-2
Sample #: 4519.0025-02

Sample Location Info

Trench dug in old leaching field area

Sample Data

	Container	Quantity	Preservative
Date: 6/25/91 Time:	VOA	2 ✓	
Sampler: STR Weather: Sunny, 80	8oz. glass jar	2 ✓	

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other

Description Data

Organic Vapor Reading: Opp.m
Instrument: OVM/OVA
Sample Depth: 3 ft.
Core Length:
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand
Monsel Color: Moderate Yellowish Brown 10YR 5/4
Grain Size:
Sample Description Foreign Material:
Appearance: Compact dry

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 6 1

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster Switch, Co	Project #: 26-88
Project Location: Woodstock, CT	Sampling Location: T-2 DUP
Sample #: 4019106 25-94	

Sample Location Info

Trench Dug in old leaching field area

Sample Data

Date: 6/25/91 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2 ✓	
8 oz. glass jar	2 ✓	

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM/OVA

Sample Depth: 8 ft. Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand

Monsel Color: Med. Yellowish Brown 10YR5/4 Grain Size: fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0002

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 26-55
Project Location: Woodstock, CT
Sample #: 4019 0625-97
Sampling Location: T-3

Sample Location Info

Trench Dug in old leaching field area

Sample Data

	Container	Quantity	Preservative
VOA	2		

Date: 6/25/91 Time: _____
Sampler: SJR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other _____

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA

Sample Depth: 3 Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand

Monsel Color: Med Yellow Brown Grain Size: fine

Sample Description Foreign Material: _____

Appearance:

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E053

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster Switch, Co.
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: T-4 (.5)
Sample #: 4619/C625-84

Sample Location Info

Trench located to the South of the dry well,
Sample taken on the side of the well

Sample Data

Date: 6/25/91 Time: _____
Sampler: SJR Weather: Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / (Trowel) / Other _____
Field decon: (Yes) / No / Dedicated

Type of Sample: (Grab) / Composite / Other _____

Container	Quantity	Preservative
VOA	2 ✓	
8 oz jar	2 ✓	

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVM/GVA
Sample Depth: .5 ft Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty, Top Soil, fine grained
Monsel Color: Dusky yellowish Brown Grain Size: fine
Sample Description Foreign Material: _____
Appearance: Damp, slightly compact

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 009

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 401910625-85
Sampling Location: T-4 (.5)

Sample Location Info

Trench Located to the South of Dry well

Sample taken on opposite (S) of well

Sample Data

	Container	Quantity	Preservative
Date: 6/25/91 Time: ____ Sampler: JTR Weather: Sunny 80	VOA	2	

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____

Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM/PID

Sample Depth: .5 Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Top Soil and silty sand, little gravel

Monsel Color: Med. Yellowish Brown 10YR 5/4 Grain Size: fine

Sample Description Foreign Material: ____

Appearance:

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 0 5

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: T-4 (.5) DUP
Sample #: 401910625-86

Sample Location Info

Trench located to the South of the dry well,
Sample taken on the side of the well

Sample Data

Date: 6/25/91 Time: _____
Sampler: SJR Weather: Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other _____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other _____

Container	Quantity	Preservative
VOA	2 ✓	
8oz jar	2 ✓	

Description Data

Organic Vapor Reading: 0ppm Instrument: OVM / OVA
Sample Depth: _____ Core Length: N/A
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Monsel Color: _____ Grain Size: _____
Sample Description Foreign Material: _____
Appearance:

Comments:

Duplicate of
(Sample 401910625-84)

mx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 6996

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 40191062 5-87
Sampling Location: T-4 (bottom) ~4ft

Sample Location Info

Trench located South of old Dry well
Sample taken a trench Bottom along well side

Sample Data

Date: 6/25/91 Time: _____
Sampler: SJR Weather: Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
~~Trowel~~ / Other _____
Field decon: ~~Yes~~ / No / Dedicated

Type of Sample: ~~Grab~~ / Composite /
Other _____

Container	Quantity	Preservative
VOA	2 ✓	
8oz. glass jar	2 ✓	

Description Data

Organic Vapor Reading: 0ppm Instrument: OVA 'OVM

Sample Depth: ~4ft. Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
silty, sand

Monsel Color: Dark Yellowish Brown 10YR 4/2 Grain Size: fine

Sample Description Foreign Material: _____

Appearance: cohesive, damp

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0597

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch, Co
Project #: 86-88
Project Location: Woodstock, CT
Sampling Location: T-4 (bottom)
Sample #: 401910625-88

Sample Location Info

Trench S side of
Dry well

Sample Data

	Container	Quantity	Preservative
Date: 6/25/91 Time: ____ Sampler: ____ Weather: Sunny 80	VOA	2 ✓	

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon / Trowel / Other ____
Field decon: Yes / No / Dedicated
Type of Sample: Grab / Composite / Other ____

Description Data

Organic Vapor Reading: Open
Instrument: OVM/OVA
Sample Depth: ≈4 ft
Core Length: ____
Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Silty Sand
Monsel Color: Moderate yellowish Brown 10YR 5/4
Grain Size: fine
Sample Description Foreign Material: ____
Appearance:
Slighty compact, cohesive

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 0 8

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster Switch, Co.
Project #: 86-82
Project Location: Woodstock, CT
Sample #: 401910625-89

Sampling Location
T-4 (bottom) DUP

Sample Location Info

Trench located S. side of Dry well
sample taken on well side

Sample Data

Date: 6/25/91 Time: _____
Sampler: SJR Weather: Sunny 80

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
VOA	2	
8oz jar	2	

Description Data

Organic Vapor Reading: 0 ppm Instrument: OVA (ppm)

Sample Depth: ~4 ft. Core Length: N/A

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

See (-87)

Monsel Color: Dark Yellowish Brown 10YR4/2 Grain Size: fine

Sample Description Foreign Material: _____

Appearance:

Comments:

Duplicate Sample of
401910625-87

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 009

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster	Project #: 86-88122
Project Location: Woodstock, VT	Sampling Location
Sample #: 31391210-39	W. Quassett Rd.

Sample Location Info

Sample Data

	Container	Quantity	Preservative
Date: 12/10/91 Time: 12:30 Sampler: MJB Weather: Sunny, 40s Sampling Device: Auger / Core Sampler / (Shovel) / Split Spoon Trowel / Other _____ Field decon: Yes / No / Dedicated Type of Sample: (Grab) / Composite / Other _____	Glass - 8oz	2	as is

Description Data

Organic Vapor Reading: _____ Instrument: _____

Sample Depth: 1' Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Monsel Color: _____ Grain Size: _____

Sample Description Foreign Material: _____

Appearance: Till

Comments:

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002
016

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 36-55
Project Location: WOODSTOCK, CT
Sample #: 401920403-29

Sampling Location
Location along old Hall Rd.

Sample Location Info

See Map

Sample Data

Date: 4/3/92 Time: _____
Sampler: STR Weather: _____

Sampling Device: Auger / Core Sampler / Shovel / Split Spoon
Trowel / Other _____
Field decon: Yes / No / Dedicated

Type of Sample: Grab / Composite /
Other _____

Container	Quantity	Preservative
Glass Jar	1	—

Description Data

Organic Vapor Reading: _____ Instrument: _____

Sample Depth: 8" into bank along Road Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)
Till yellow Brown

Monsel Color: _____ Grain Size: _____

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds

revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9

Soil Sampling Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-38
Project Location: WOODSTOCK, CT
Sample #: 401920403- ~~29~~ 30

Sampling Location
Location along Rte 171

Sample Location Info

Sample Data

	Container	Quantity	Preservative
Date: 4/3/92 Time: _____ Sampler: _____ Weather: _____ Sampling Device: Auger / Core Sampler / Shovel / Split Spoon Trowel / Other _____ Field decon: Yes / No / Dedicated Type of Sample: Grab / Composite / Other _____	8oz glass	1	—

Description Data

Organic Vapor Reading: _____ Instrument: _____

Sample Depth: 8" into bank along road Core Length: _____

Sample Description: Sediment / Soil Type (ex. Lacustrian, Wetland, B Horizon, Outwash, Etc.)

Olive yellow brown lite t

Monsel Color: _____ Grain Size: _____

Sample Description Foreign Material: _____

Appearance:

Comments:

nx386\e\0base\soilfds revised 12/15/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
9 12

APPENDIX D
MONITORING WELL GEOLOGIC LOGS
AND
CONSTRUCTION INFORMATION

REMEDIAL INVESTIGATION REPORT
LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT
AUGUST 1992

recycled paper

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODTSOCK, CONNECTICUT	BORING NO. MW-1t SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Roy Glenn
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION Backyard of Blakely Residence
GROUND ELEVATION 527.1
DATE STARTED 07/30/87 DATE FINISHED 08/03/87

DRILLING METHOD Spin Casing
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
07/30/87	Ground	24.35	0.0
07/31/87	Ground	24.00	0.0

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
0.0		S-1	0-1.5	1.5/.5	4 4 5	Loose	TOPSOIL, sandy, light brown, dry.		0 ppm	0.0
5.0		S-2	6.5-8	1.5/.8	10 9 11	Medium Dense	Sand, F, and silt; F-M gravel; cobbles; grayish brown, moist.		1.2 ppm	5.0
10.0		S-3	10-11.5	1.5/1.3	12 12 16	Medium Dense	Same as above.		1.2 ppm	10.0
15.0		S-4	15-16.5	1.5/1.2	20 23 37	Dense	Sand, F, and silt; F-M gravel; cobbles; gray, moist.		0 ppm	15.0
20.0		S-5	20-21.5	1.5/1.0	14 18 21	Dense	Same as above.		0 ppm	20.0
25.0		S-6	26-27	1.0/1.2	14 19	Dense	Same as above. Water at 24 feet.		0 ppm	25.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Spin Casing	0 - 35
LITTLE	10 TO 20%	Roller Bit	35 - 40
SOME	20 TO 35%	Spin Casing	40 - 50
AND	35 TO 50%	Roller Bit	50 - 55
		Bull Tip	55 - 65

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 4

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1t SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Roy Glenn
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION Backyard of Blakely Residence
GROUND ELEVATION 527.1
DATE STARTED 07/30/87 DATE FINISHED 08/03/87

DRILLING METHOD Spin Casing
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
07/30/87	Ground	24.35	0.0
07/31/87	Ground	24.00	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		S-7	30-32	2.0/.5	16 26 34 41	Dense	Sand, F, and silt; F-M gravel; cobbles; gray, wet.		0 ppm	30.0
35.0		S-8	35-36.5	1.5/1.0	16 26 65	Dense	Same as above.		0 ppm	35.0
40.0		S-9	40-41.5	1.5/1.0	21 32 41	Dense	Same as above.		1.2 ppm	40.0
45.0		S-10	45-46.5	1.5/.9	28 31 36	Dense	Same as above.		0 ppm	45.0
50.0		S-11	50-51.5	1.5/1.2	31 32 38	Dense	Same as above.		0 ppm	50.0
55.0		S-12	55-56.5	1.5/1.2	28 31 46	Dense	Same as above. Last sample taken.		0 ppm	55.0
							Bedrock at 65 ft. End of Boring at 65 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0115

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 5

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-1t**

Date of Completion: **8/3/87**

DEP/WPC I.D.:

Monitoring Point Location: **Backyard of Blakely Residence**
(relative to site features)

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist:
Rich Christiana

Well Construction Method: **4 in. Casing, Roller Bit**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **527.08**

Well Depth Below Ground Surface: **45.57 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **528.49**

Screened Interval: **35.57 - 45.57 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **36.98 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Bail and Pump

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite / Cement Slurry

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 7

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

Inferred Relationship to Plume; Within Outside **X** Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

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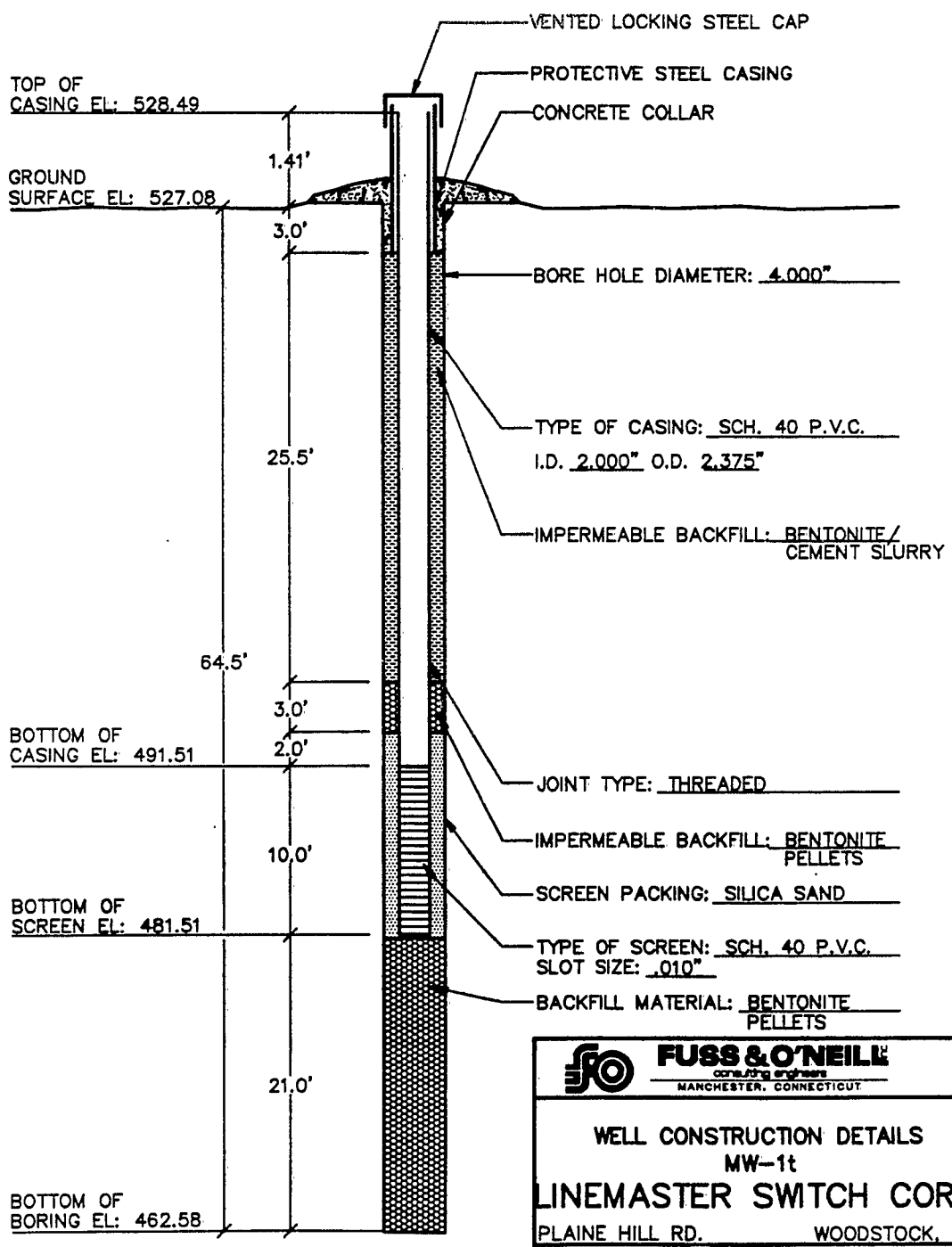
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

WELL NO. MW-1t



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-1t

LINEMASTER SWITCH CORP

PLAINE HILL RD. WOODSTOCK, CT.

PROJ. NO. 86-88 DATE: 8/3/87 SCALE: N.T.S

LIN002 6 1 8

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-1sb
SHEET 1 OF 6
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION East of Blakely residence
GROUND ELEVATION 527.1
DATE STARTED 04/25/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
05/22/91	PVC	34.90	

DEPTH (FT.)	CASING blows/ft.	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		40	0-2	24/3	1 2		Silt and clay; little VF sand; trace F gravel; moderate gray brown (10YR 5/4).		ND	
1.0					2 2					1.0
2.0										2.0
3.0										3.0
4.0										4.0
5.0		41	5-7	24/20	6 12		Silt and VF sand; little F gravel; dark yellowish orange and pale yellow brown (10YR 6/6 and 10YR 6/2). Mottled.		ND	5.0
6.0		42			18 21					6.0
7.0										7.0
8.0										8.0
9.0										9.0
10.0		43	10-12	24/20	5 15		SILT; some clay; little C,M,F sand; little C,M,F subangular gravel; cobble of schist; moderate olive brown (5Y 4/4).		25 ppm	10.0
11.0					15 18					11.0
12.0										12.0
13.0										13.0
14.0										14.0

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

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BORING METHOD	DEPTH
HSA	0 - 62
Spin Casing	58 - 74
Roller Bit	62 - 69
NX Core	69 - 90

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.
Polyethylene Bag Method

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 019

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1sb SHEET 2 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION East of Blakely residence
GROUND ELEVATION 527.1
DATE STARTED 04/25/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
15.0		44	15-17	24/20	5 7		SILT; some VF sand; little F subangular gravel; cobbles of schist; light olive gray (5Y 5/2).		ND	15.0
16.0		45			18 21					16.0
17.0										17.0
18.0										18.0
19.0										19.0
20.0		46	20-22	24/8	19 50R		SILT; some VF Sand; little F angular gravel; cobbles; light olive gray (5Y 5/2).		ND	20.
21.0					X X					21.0
22.0										22.0
23.0										23.0
24.0										24.0
25.0		47	25-27	24/2	8 12		SILT; some VF sand; little F angular gravel; cobbles; light olive gray (5Y 5/2).		ND	25.0
26.0					18 17					26.0
27.0										27.0
28.0										28.0
29.0										29.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
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REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 2 9

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CO. WOODSTOCK, CONNECTICUT	BORING NO. MW-1sb SHEET 3 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION East of Blakely residence
GROUND ELEVATION 527.1
DATE STARTED 04/25/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		48	30-32	24/18	9 10		SILT; little VF sand; little F subangular gravel, moderate olive brown (10Y 4/2).		ND	30.0
31.0		49			10 20					31.0
32.0										32.0
33.0										33.0
34.0										34.0
35.0		50	35-37	24/18	10 12		SILT; little VF sand, trace F gravel, olive gray (5Y 3/2).		ND	35.0
36.0		51			15 19					36.0
37.0										37.0
38.0										38.0
39.0										39.0
40.0		52	40-42	24/12	8 12		SILT; little VF sand; trace F subangular gravel, olive gray (5Y 3/2).		ND	40.0
41.0					23 26					41.0
42.0										42.0
43.0										43.0
44.0										44.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
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REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0121

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-1sb
SHEET 4 OF 6
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION East of Blakely residence
GROUND ELEVATION 527.1
DATE STARTED 04/25/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
45.0		53	45-47	24/18	10 23		SILT; little VF sand; little F subangular gravel, moderate olive brown (10Y 4/2).		ND	45.0
46.0					50 Rx					46.0
47.0										47.0
48.0							*TILL, very tight. Rig labors.			48.0
49.0										49.0
50.0				NS/			No Sample Taken Due to Conditions.			50.0
51.0										51.0
52.0										52.0
53.0							*TILL, very dense. Rig labors.			53.0
54.0										54.0
55.0		54	55-57	24/14	18 10		SILT; little VF sand; little VC sand and F subangular gravel; trace cobble; olive gray (5Y 3/2).		ND	55.0
56.0					13 28					56.0
57.0										57.0
58.0										58.0
59.0										59.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.
* Obervation from Drilling Rig

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-1sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0229

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1sb SHEET 5 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION East of Blakely residence
GROUND ELEVATION 527.1
DATE STARTED 04/25/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
60.0		55	60-62	24/12	48 30		SILT; some VF sand; little C-VC sand; little F gravel; cobbles of schist; light olive gray(5Y 5/2).		ND	60.0
61.0					35 50					61.0
62.0							Auger Rejection 62 ft.			62.0
63.0							Roller Bit to 69 ft.			63.0
64.0										64.0
65.0										65.0
66.0										66.0
67.0										67.0
68.0										68.0
69.0		Run 1					30% Recovery about 15". Boulder with silt and VF sand; some C subrounded gravel.			69.0
70.0							Same as above.			70.0
71.0							Same as above.			71.0
72.0							Same as above.			72.0
73.0							Same as above.			73.0
74.0		Run 2					Bedrock Surface.			74.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 2 3

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1sb SHEET 6 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION East of Blakely residence
GROUND ELEVATION 527.1
DATE STARTED 04/25/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
75.0							Same as above.			75.0
76.0							Same as above. Fracture at 76 to 76.5 ft.			76.0
77.0							Same as above.			77.0
78.0		Run 3					Same as above.			78.0
79.0							Same as above.			79.0
80.0							Same as above.			80.0
81.0							Same as above.			81.0
82.0							Same as above.			82.0
83.0		Run 4					Same as above.			83.0
84.0							Same as above.			84.0
85.0							Same as above.			85.0
86.0							Same as above.			86.0
87.0							Same as above.			87.0
88.0		Run 5					Arsenopyrite Mineralized zone			88.0
89.0							Same as above. Well Set 88 ft.			89.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0224

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-1sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Sima Drilling Co. DATE STARTED: 4/25/91 DATE FINISHED: 4/30/91
DRILLER: Ray Sima GROUND ELEVATION: 527.05
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: David Fontaine

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
69	OVA = ND 1" in 17 sec to 1" in 50 sec	1 5.0 24	47	10	ma- ny	Top of Core, Till Bottom of Core, Schist	Schist.	
74	OVA = ND 1" in 50 sec	2 5.0 73	16	10	1-3 2-9 3-5 4-3	Massive - Some Fractures Non Planar Fe Stain	Schist, siliceous dikes	
78	OVA = ND 1" in 43 sec	3 57 97	3	62	1-2 2-5 3-4 4-3 1	Massive - Some Fractures Non Planar Fe Stain	Schist, siliceous dikes	
83	OVA = ND 1" in 80 sec	4 60 95	5	74	1-1 2-2 3-2 4-4 5-1	Massive, Many Pematite Dikes Fe Stain	Schist, mineralized, vug (siliceous) euhedral crystals	
88	OVA = ND 1" in 80 sec	5 21 84	3	84	1-0 2-1	Granitic, Massive No Planarity	Pegmatite	
90								

perfill/r-core3

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 925

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-1sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	1.2	0.48	10%	24%
2	5	3.6	0.5	10%	72%
3	5	4.8	3.12	62%	96%
4	5	4.75	3.7	74%	95%
5	2	1.67	1.67	84%	84%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0929

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-1sb**

Date of Completion: **4/30/91**

DEP/WPC I.D.:

Monitoring Point Location: **East of Blakely residence**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger / Core Barrel**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **527.05**

Well Depth Below Ground Surface: **90 ft.**

Top of Steel Casing Elevation (MSL): **528.73**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **528.47**

Screened Interval: **79.81 - 89.81 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **81.23 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **11.5 ft.**

Well Inside Diameter: **2'**

Material: **#1 Morie Sand**

Grain Size: **#1**

Impermeable Backfill:
Benseal and Sand Mix

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking or Threaded Cap

Impermeable Backfill:
Volclay

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 2 7

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 828

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **NA**

Water-Bearing Rock Unit: **Muscovite / Biotite Schist**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **69 to 90 ft.**

Diameter of Core Hole: **4"**

Thickness and Depth of Impermeable Backfill: **9.5 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron formation**

Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Mica schist**

Attach Maps and Plans Required of G.I.j. and G.4.

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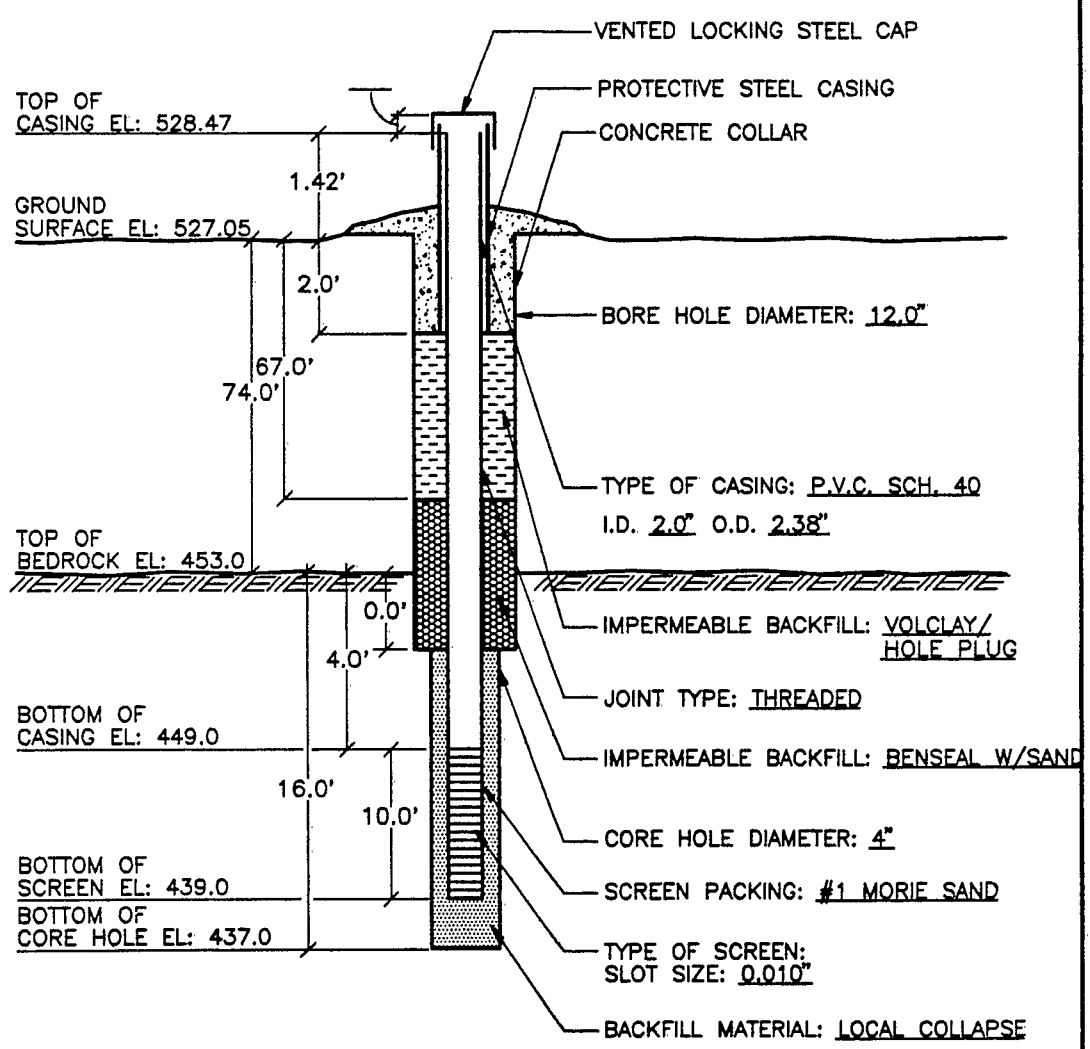
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 629

WELL NO. MW-1sb



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-1sb
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/6/91 SCALE: N.T.S

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1db SHEET 1 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Along road behind N. Blakey's
GROUND ELEVATION 527.1
DATE STARTED 04/23/91 DATE FINISHED 04/24/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
85.0	3.5 min	0-70': TILL, schist @ 70 ft. SCHIST				85.0
90.0	3.5 min	PEGMATITE, stained fragments				90.0
95.0	2 min	SCHIST				95.0
100.0	3.5 min	SCHIST				100.0
105.0	3.5 min	SCHIST				105.0
110.0	3.5 min	SCHIST				110.0
115.0	3.5 min	SCHIST, some stained fragments				115.0
120.0	4 min	SCHIST	Fracture / water 123 ft.		0 ppm	120.0
125.0	3.5 min	SCHIST				125.0
130.0	3 min	SCHIST				130.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Roller Bit with mud	0 - 80
LITTLE	10 TO 20%	Air Rotary/	80 - 230
SOME	20 TO 35%	Air Hammer	
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0930

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1db SHEET 2 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Along road behind N. Blakey's
GROUND ELEVATION 527.1
DATE STARTED 04/23/91 DATE FINISHED 04/24/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
135.0	4 min	SCHIST				135.0
140.0	5 min	SCHIST				140.0
145.0	4.5 min	SCHIST				145.0
150.0	4 min	SCHIST				150
155.0	5 min	SCHIST				155.0
160.0	5.5 min	SCHIST				160.0
165.0	5.5 min	SCHIST				165.0
170.0	5.5 min	SCHIST				170.0
175.0	5 min	SCHIST				175.0
180.0	5.5 min	SCHIST				180.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 13 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1db SHEET 3 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Along road behind N. Blakey's
GROUND ELEVATION 527.1
DATE STARTED 04/23/91 DATE FINISHED 04/24/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
185.0	5 min	SCHIST				185.0
190.0	5 min	SCHIST				190.0
195.0	5.5 min	SCHIST				195.0
200.0	6 min	SCHIST				200.0
205.0	6 min	SCHIST				205.0
210.0	5 min	SCHIST				210.0
215.0	5 min	SCHIST	Fracture / water 215 ft.			215.0
220.0	5 min	SCHIST				220.0
225.0	5 min	SCHIST				225.0
230.0	5 min	SCHIST				230.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 3 2

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1db SHEET 4 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Along road behind N. Blakey's
GROUND ELEVATION 527.1
DATE STARTED 04/23/91 DATE FINISHED 04/24/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
235.0	4.5 min	SCHIST				235.0
240.0	5 min	SCHIST				240.0
245.0	5 min	SCHIST	Fracture / water 245 ft.			245.0
250.0	5 min	SCHIST				250.0
255.0	5 min	SCHIST				255.0
260.0	5 min	SCHIST				260.0
265.0	5 min	SCHIST				265.0
270.0	5 min	SCHIST				270.0
275.0	4.5 min	SCHIST				275.0
280.0	5 min	SCHIST				280.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 3 3

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-1db SHEET 5 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Along road behind N. Blakey's
GROUND ELEVATION 527.1
DATE STARTED 04/23/91 DATE FINISHED 04/24/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
285.0	5 min	SCHIST				285.0
290.0	5 min	SCHIST				290.0
295.0	5 min	SCHIST				295.0
300.0	5 min	SCHIST				300.0
				30 gpm		

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-1db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
934

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-1db**

Date of Completion: **4/24/91**

DEP/WPC I.D.:

Monitoring Point Location: (relative to site features) **Along road behind N. Blakley's residence**

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Sarah Rochelt**

Well Construction Method: **Air Rotary Air Hammer**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **527.11**

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL): **529.59**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **80 - 300 ft.**

Length of Screen: **N/A**

Length of Riser Pipe: **80 ft.**

Screen Type: **N/A**

Screen Slot Size:

Filter Fabric: Yes No X

Screen Packing: Yes No: X

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development: **Surge and Bail**

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill: **Volclay Grout**

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 9355

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 3 5 6

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **80 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **123 ft., 215 ft., 245 ft., Total Yield = 30 gpm**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill: **80 ft. Volclay Grout**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

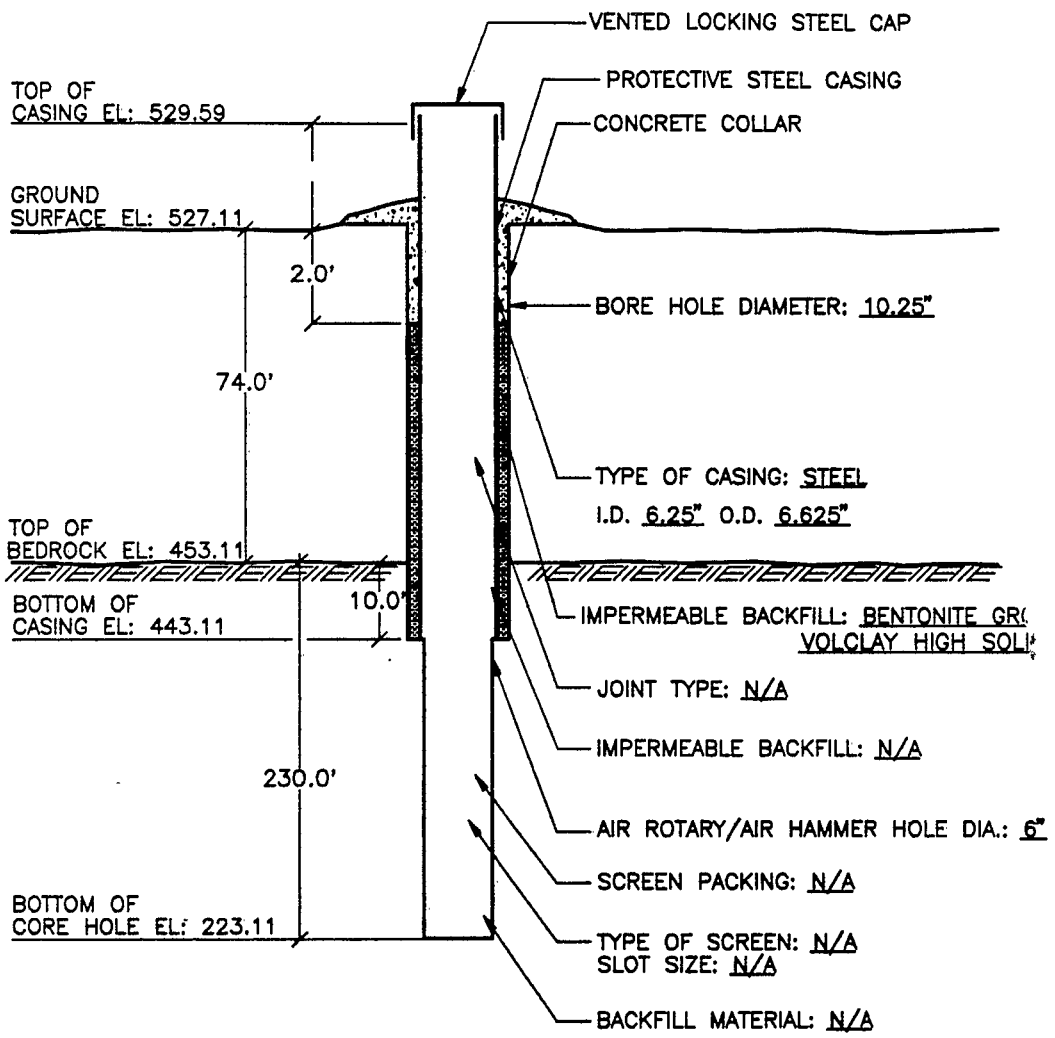
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-1db



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-1db
LINEMASTER SWITCH COR
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/20/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9371

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-2t SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION 50' from rd. to Simond's house
GROUND ELEVATION 561.4
DATE STARTED 07/24/87 DATE FINISHED 07/27/87

DRILLING METHOD Spin Casing / Roller Bit
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
07/24/87	Ground	23.50	0.0
07/27/87	Ground	23.50	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-1.5	1.5/1.0	4 4 7	Loose	TOPSOIL, sandy, light brown, dry.		0.0 ppm	0.0
5.0			5-6.5	1.5/1.0	14 10 10	Dense	SAND, F; silt; little gravel; trace clay; grayish brown, dry.		0.0 ppm	5.0
10.0			10-12	2.0/0.2	46 43 36 36	Dense	SAND, F; silt; little gravel; trace clay; grayish brown, dry.		0.0 ppm	10.0
15.0			15-17	2.0/0.2	14 10 8 7	Dense	SAND, F; silt; trace clay; grayish brown, moist.			15.0
20.0			20-22	2.0/1.1	7 10 11 14	Dense	SAND, F; silt; trace clay; grayish brown, moist.			20.0
25.0			25-27	2.0/0.2	16 14 11 10	Dense	SAND, F; silt; trace clay; cobbles; gravel; grayish brown, wet.			25.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Spin Casing	0 - 45
LITTLE	10 TO 20%	Roller Bit	45 - 47
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-2t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-2t
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION 50' from rd. to Simond's house
GROUND ELEVATION 561.4
DATE STARTED 07/24/87 DATE FINISHED 07/27/87

DRILLING METHOD Spin Casing / Roller Bit
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
07/24/87	Ground	23.50	0.0
07/27/87	Ground	23.50	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0			30-32	2.0/1.0	20 10 13 16	Loose	Sand and gravel; silt; gray, wet.			30.0
35.0			35-37	2.0/0.4	13 16 14 12	Loose	Same as above.			35.0
40.0			40-42	2.0/0.5	7 11 13 14	Loose	Sand and gravel; silt; gray, wet.			40.0
45.0			45-47	2.0/1.8	10 13 16 50	Dense	Sand, F; silt; little gravel; trace clay; grayish brown, wet. Sand layer (0.1') at 46.5 ft. Bedrock at 47 ft. End of Boring at 47 ft.			45.0
50.0										50.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-2t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 3 9

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-2t**

Date of Completion: **7/27/87**

DEP/WPC I.D.:

Monitoring Point Location:
(relative to site features)

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist:
Rich Christiana

Well Construction Method: **4 in. Casing, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **561.35**

Well Depth Below Ground Surface: **35.52 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **563.60**

Screened Interval: **30.52 - 35.52 ft.** :

Length of Screen: **5 ft.**

Length of Riser Pipe: **32.77 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **8.5 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Slurry

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Bail and Pump

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite / Cement Slurry

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 949

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

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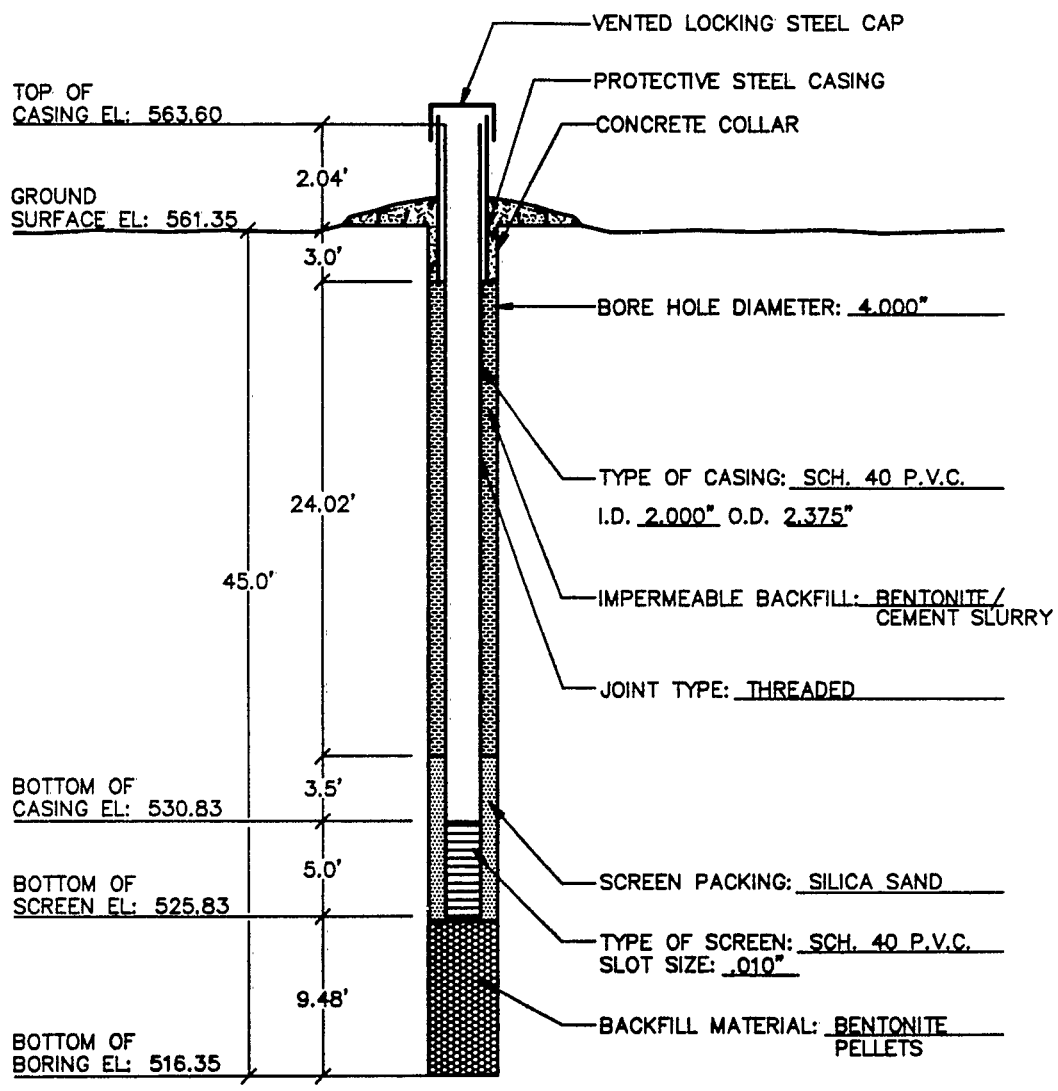
LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 9 4 1

WELL NO. MW-2t



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-2t
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 7/27/87 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2469

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-3t
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION Southeast corner of property
GROUND ELEVATION 542.9
DATE STARTED 07/23/87 DATE FINISHED 07/24/87

DRILLING METHOD Spin Casing / Roller Bit
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
07/23/87	Ground	12.70	0.0
07/24/87	Ground	12.70	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-1.5	1.5/0.8	2 2 5	Medium Dense	TOPSOIL; trace gravel; light brown.		0.0 ppm	0.0
5.0			5-6.5	1.5/0.2	7 14 18		SAND, F; silt; cobbles; light brown.		0.0 ppm	5.0
10.0			10-11.5	1.5/0.3	23 17 15	Dense	SAND, F; silt; trace gravel; light brown, dry.		0.0 ppm	10.0
15.0			15-17	2.0/1.2	23 26 43 49	Very Dense	SAND, F; silt; light brown, wet.		0.0 ppm	15.0
20.0			20-22	2.0/1.0	43 17 20 27	Very Dense	SAND, F; silt; light brown, wet.		0.0 ppm	20.0
							Bedrock at 22 ft. End of Boring at 22 ft.			
25.0										25.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Spin Casing	0 - 20
LITTLE 10 TO 20%	Roller Bit	20 - 22
SOME 20 TO 35%		
AND 35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-3t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 943

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 944

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-3t**

Date of Completion: **7/24/87**

DEP/WPC I.D.:

Monitoring Point Location:
(relative to site features)

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist:
Rich Christiana

Well Construction Method: **4 in. Casing, Roller Bit**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **542.87**

Well Depth Below Ground Surface: **19.58 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **544.72**

Screened Interval: **14.58 - 19.58 ft.** :

Length of Screen: **5 ft.**

Length of Riser Pipe: **16.43 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **8 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Slurry

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Bail and Pump

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill:
Bentonite / Cement Slurry

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 945

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

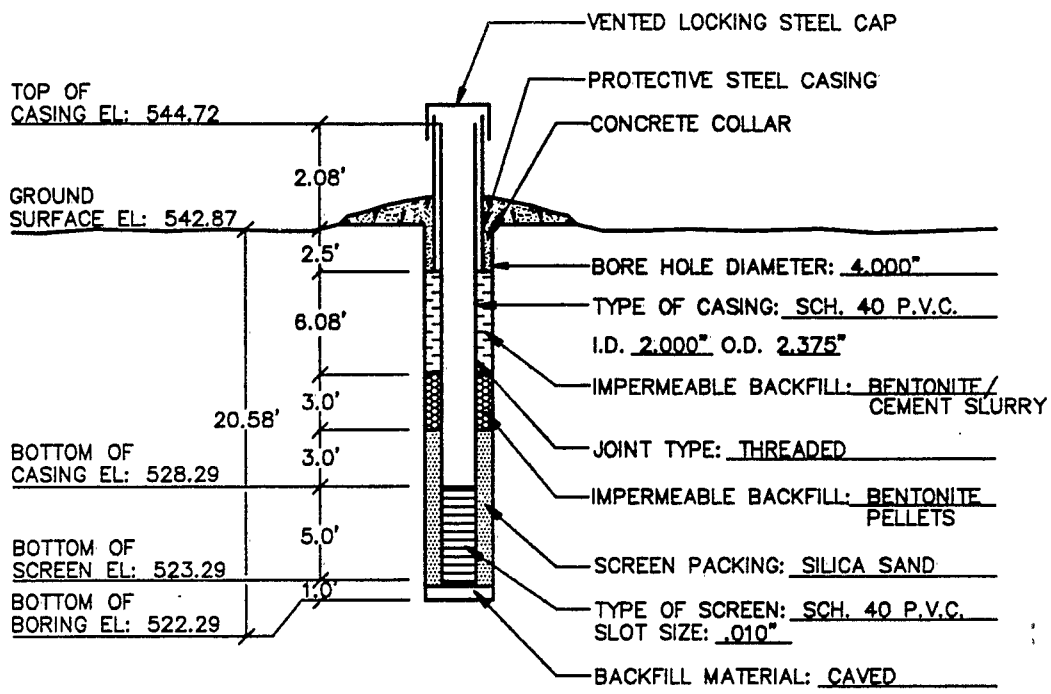
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-3t



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-3t
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 7/24/87 SCALE: N.T.S

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 945

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-4t SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION Behind main building
GROUND ELEVATION 554.8
DATE STARTED 08/11/87 DATE FINISHED 08/12/87

DRILLING METHOD Spin Casing/Roller Bit/NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
08/11/87	Ground	25.00	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-2	2.0/1.4	2 4 8 7	Loose	0-0.65': TOPSOIL, organic-rich, brown, dry. 0.65-1.4': SAND, F-M; silt; little gravel; light brown, dry.		0.8 ppm	0.0
5.0			5-7	2.0/1.4	5 9	Medium	SAND, F; little F-C gravel; cobbles; grayish brown, moist.		0.4 ppm	5.0
					10 11	Dense			0.2 ppm	
10.0			10-12	2.0/0.2	6 11 21 26	Medium Dense	Same as above. Poor recovery - 2 attempts.		0.0 ppm	10.0
15.0			15-16.2	1.2/0.4	18 26	Medium	Same as above. Strata change at 16 feet: boulders and till.		0.2 ppm	15.0
		Core	16.15-		50 (0.2")	Dense	Core Run #1: Till and boulders: Hebron Schist, granitic gneiss.			
		time\ft 7	19.95							
20.0		4 2	19.95-				Core Run #2: Same as above.			20.0
		2 3	25.0							
25.0		1 1					Not sampled.			25.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Spin Casing	0 - 15
ITTLE 10 TO 20%	Roller Bit	15 - 16.5
SOME 20 TO 35%	NX Core	16.5 - 25
AND 35 TO 50%	Roller Bit	25 - 36

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-4t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 947

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-4t
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION Behind main building
GROUND ELEVATION 554.8
DATE STARTED 08/11/87 DATE FINISHED 08/12/87

DRILLING METHOD Spin Casing/Roller Bit/NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
08/11/87	Ground	25.00	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0							Not sampled.			30.0
35.0										35.0
			36-38	2.0/0.5	10 12 15 20	Dense	SAND, F; silt; F-C gravel; cobbles; grayish brown, wet.			
							End of Boring at 36 ft.			
40.0										40.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-4t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 4 8

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-4t**

Date of Completion: **8/12/87**

DEP/WPC I.D.:

Monitoring Point Location: **Behind Main Building**
(relative to site features)

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist:
Rich Christiana

Well Construction Method: **Spin Casing, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **554.77**

Well Depth Below Ground Surface: **35.53 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **556.53**

Screened Interval: **30.53 - 35.53 ft.**

Length of Screen: **5 ft.**

Length of Riser Pipe: **32.29 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **8 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Slurry

Estimated K Screened Interval:

Well Casing Material and Schedule:
Schedule 40 PVC

Method of Well Development:
Bail

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill:
Bentonite / Cement Slurry

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9550

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

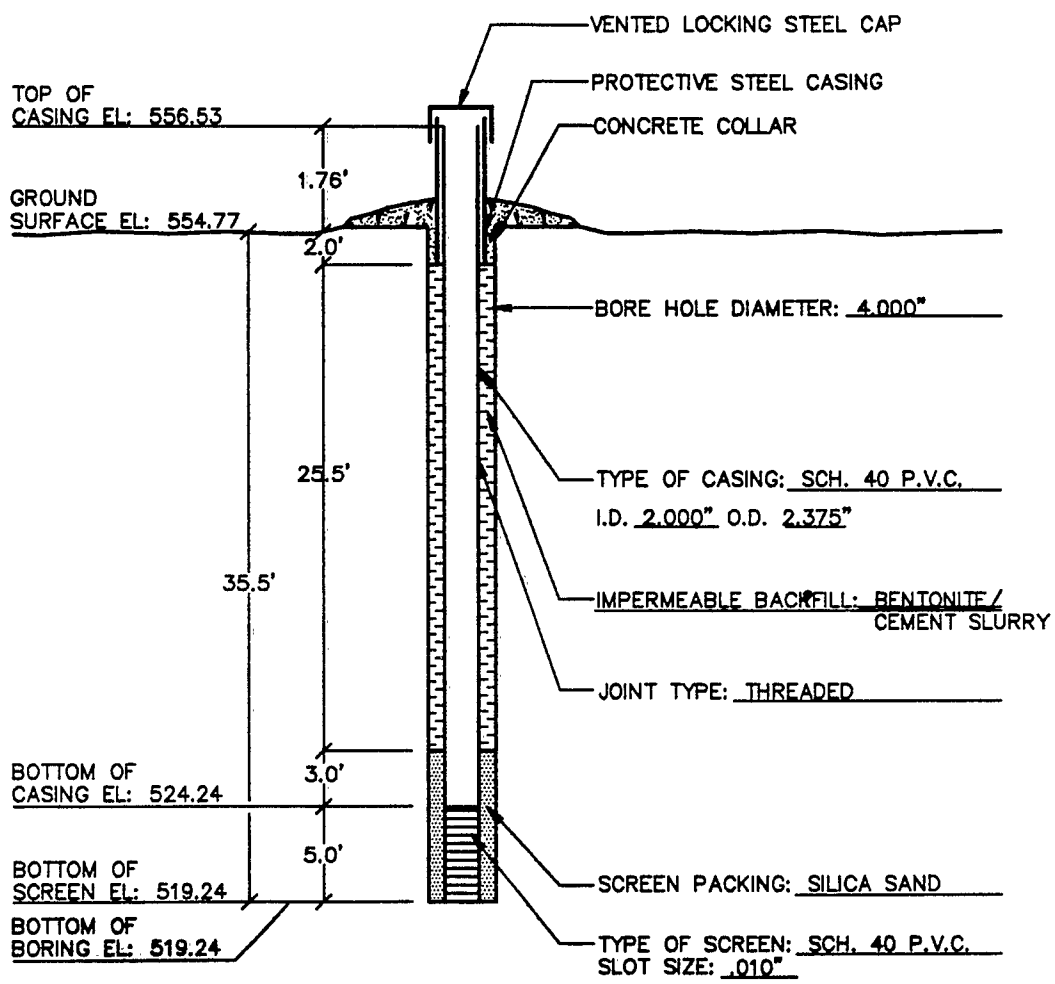
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-4t



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-4t

LINEMASTER SWITCH CORP.

PLAINE HILL RD. WOODSTOCK, CT.

PROJ. NO. 86-88 DATE: 8/12/87 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 1

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-5sb
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Roy Glenn
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION 100' North of production well
GROUND ELEVATION 537.5
DATE STARTED 07/28/87 DATE FINISHED 07/30/87

DRILLING METHOD Spin Casing/Roller Bit/ NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
07/30/87	Ground	24.70	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-1.5	1.5/0.8	3 3 5	Loose	SAND, F, light brown, dry.			0.0
5.0			5-6.5	1.5/1.0	24 45	Loose	SAND, F-M; silt; some gravel; boulders; brown, moist.			5.0
					50 (0.1')					
		Core								
10.0		time/ft 2	10-10.3	0.3/0.3	70 (0.3')	Loose	Rock fragments, grantite, quartz diorite.			10.0
		2 2	10.3-14	3.7/1.6			Core Run #1: Pegmatite granite, white and quartz diorite, large grained, highly weathered, highly fractured.			
15.0		2 2								15.0
		2 2	14-19	5.0/0.8			Core Run #2: Same as above.			
		3 3								
20.0		3 3	19-24	5.0/1.2			Core Run #3: Same as above.			20.0
		3 3								
25.0		3 3	24-29	5.0/1.1			Core Run #4: Same as above.			25.0
		3 3								
		3 3								

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

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BORING METHOD	DEPTH
Spin Casing	0 - 5
Roller Bit	5 - 10
NX Core	10.3 - 44
Roller Bit	10 - 33

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-5sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0952

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-5sb SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Roy Glenn
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION 100' North of production well
GROUND ELEVATION 537.5
DATE STARTED 07/28/87 DATE FINISHED 07/30/87

DRILLING METHOD Spin Casing/Roller Bit/ NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
07/30/87	Ground	24.70	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		3 4	29-34	5.0/3.0			Core Run #5: Pegmatite granite, white, quartz diorite cut by F grained, foliated granitic gneiss. Hit competent rock at 29 ft.			30.0
		3 5								
35.0		5 5	34-39	5.0/			Core Run #6: Same as above. Change in rock competent at 37 ft, more biotite present.			35.0
		5 6								
		7 7								
40.0			39-44	5.0/4.5			Core Run #7: Same as above.			40.0
							End of Boring at 44 ft.			
45.0										45.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-5sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 953

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-5sb**

Date of Completion: **7/30/87**

DEP/WPC I.D.:

Monitoring Point Location: **100' +- North of Production Well just inside tree line**
(relative to site features)

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist: **Rich Christiana**

Well Construction Method: **4 in. Casing, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **537.46**

Well Depth Below Ground Surface: **35.86 ft.**

Top of Steel Casing Elevation (MSL): **539.32**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **538.89**

Screened Interval: **30.86 - 35.86 ft.** :

Length of Screen: **5 ft.**

Length of Riser Pipe: **32.29 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **7 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Estimated K Screened Interval:

Well Casing Material and Schedule:
Schedule 40 PVC

Method of Well Development:
Bail and Pump

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite / Cement Slurry

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 4

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **38.63 ft.**

Water-Bearing Rock Unit: **Granite**

Water-Bearing Sections (Depths and Approximate Yields): **Undefined**

Length of Rock Cores: **10 to 44 ft.**

Diameter of Core Hole: **HX Core**

Thickness and Depth of Impermeable Backfill: **2.5 to 12 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Bedrock**

Attach Maps and Plans Required of G.l.j. and G.4.

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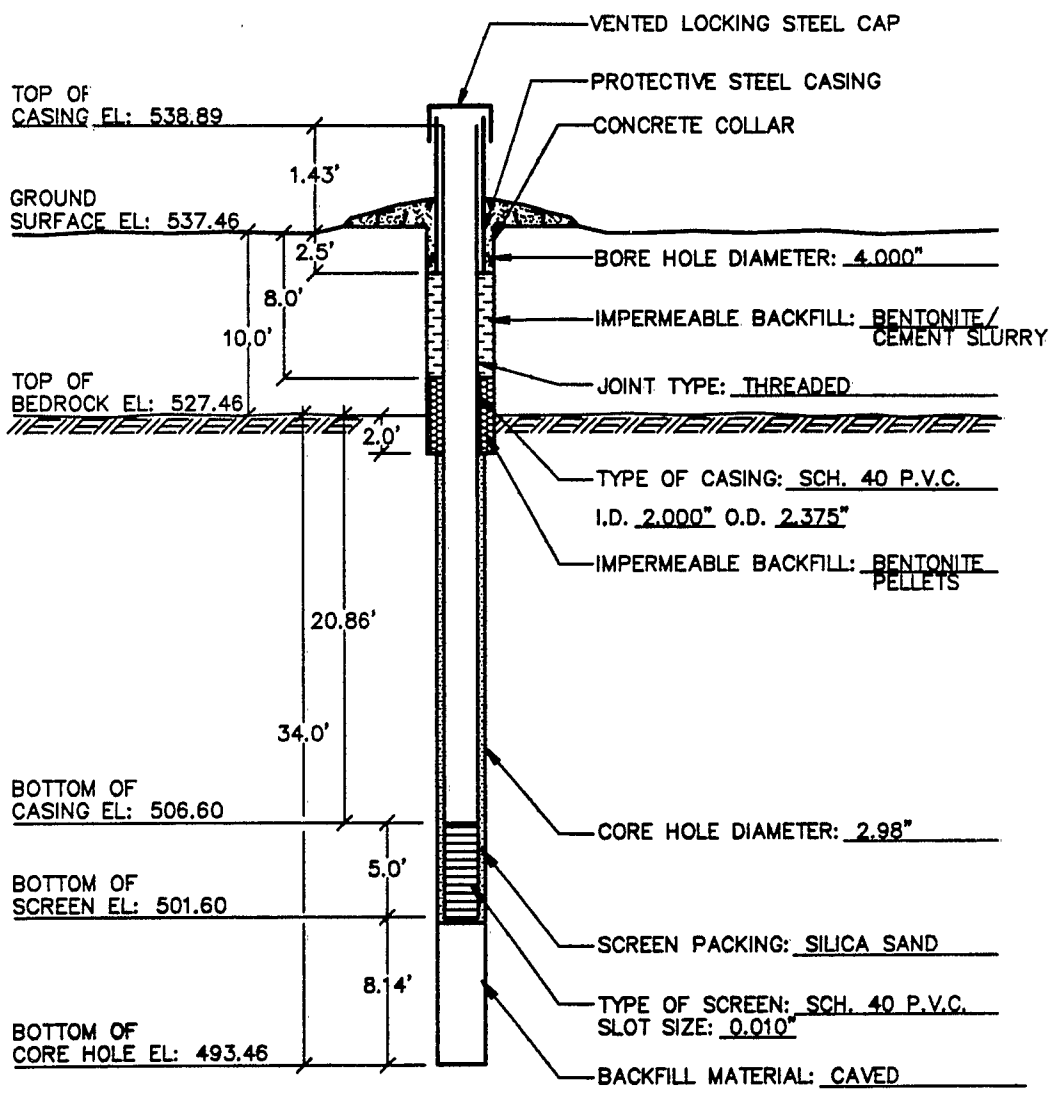
LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 9555

WELL NO. MW-5sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-5sb
LINEMASTER SWITCH CORP
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 7/30/87 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 659

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-6t
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Roy Glenn
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION Along lower road to cabin
GROUND ELEVATION 499.0
DATE STARTED 08/04/87 DATE FINISHED 08/04/87

DRILLING METHOD Spin Casing
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-1.5	1.5/1.2	2 3 3	Loose	TOPSOIL, organic-rich, brown, dry.		0.0 ppm	0.0
5.0			5-6.5	1.5/0.6	21	Medium	SAND, F-M; silt; F-M gravel; cobbles; brown.		0.0 ppm	5.0
					65 (0.1')	Dense				
10.0			10-11.5	1.5/1.1	14 19 23	Dense	SAND, F; silt; F-M gravel; grayish brown, moist. Oxidized and weathered pebbles present.		0.4 ppm	10.0
15.0			15-16.5	1.5/1.1	26 28 28	Dense	Same as above. Sand lens at 10.6 ft.		2.0 ppm	15.0
20.0			20-21.5	1.5/0.5	77 28 27	Dense	Same as above. Boulder obstruction at 20 ft.		1.2 ppm	20.0
							Bedrock at 22.75 ft. End of Boring at 22.75 ft.			
25.0										25.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Spin Casing	0 - 22.75
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9551

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-6t**

Date of Completion: **8/4/87**

DEP/WPC I.D.:

Monitoring Point Location:
(relative to site features)

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist:
Rich Christiana

Well Construction Method: **4 in. Casing**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **498.95**

Well Depth Below Ground Surface: **19.99 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL): **500.83**

Screened Interval: **14.99 - 19.99 ft.** :

Length of Screen: **5 ft.**

Length of Riser Pipe: **16.87 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **7.4 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Bail and Pump

Time Spent Developing: **5 hour**

Locking X or Threaded Cap

Impermeable Backfill:
Bentonite / Cement Slurry

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 658

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: N/A

Water-Bearing Rock Unit: N/A

Water-Bearing Sections (Depths and Approximate Yields): N/A

Length of Rock Cores: N/A

Diameter of Core Hole: N/A

Thickness and Depth of Impermeable Backfill: N/A

O-ring Seals: Yes: X No:

GEOLOGIC INFORMATION

Aquifer: Till

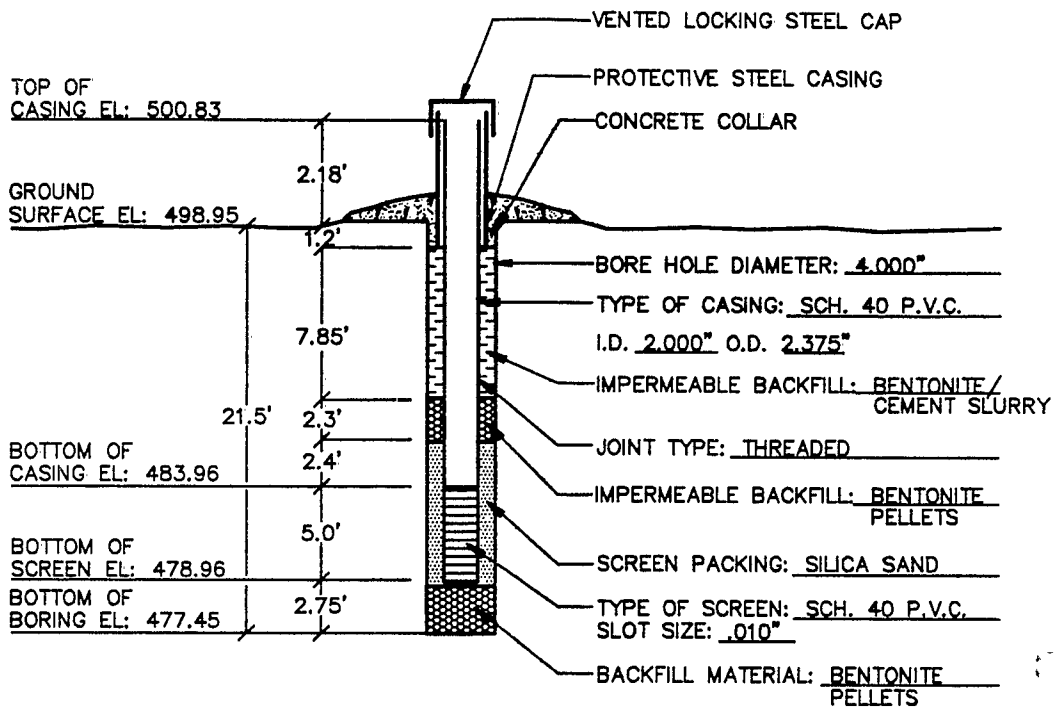
Inferred Relationship to Plume; Within X Outside Edge

Watershed (Plume Discharge Watercourse): Mill Brook

Aquifer Materials (Attach Boring Log): Till

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-6t



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-6t
LINEMASTER SWITCH CO.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 8/4/87 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
0659

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-6sb SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Jim Olsen

BORING LOCATION North of East Pond 2
GROUND ELEVATION 498.9
DATE STARTED 02/09/90 DATE FINISHED 02/09/90

DRILLING METHOD HSA / Roller Bit / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		S-1	0-2	24/10	1 1 2 3	Loose	SOIL.		0 ppm	0.0
2.0		S-2	2-4	24/16	4 6 2 2	Loose	TILL, yellowish tan, moist.		0 ppm	2.0
4.0		S-3	4-6	24/18	15 18 40 16	Dense	TILL, gray moist.		0 ppm	4.0
6.0		S-4	6-8	24/23	6 13 18 13	Dense	TILL, gray, wet.		0 ppm	6.0
8.0		S-5	8-10	24/24	2 3 4 6	Medium Dense	TILL, gray, wet.		0 ppm	8.0
10.0		S-6	10-12	24/12	16 18 50	Dense	TILL, gray, wet.		0 ppm	10.0
12.0		S-7	12-14	24/24	14 20 18 13	Dense	TILL, gray, wet.		0 ppm	12.0
14.0		S-8	14-16	24/10	23 20 18 13	Dense	TILL, gray, wet.		0 ppm	14.0
16.0		S-9	16-18	24/21	10 25 27 36	Dense	TILL, gray, wet.		0 ppm	16.0
18.0		S-10	18-20	24/6	53 47 63	Dense	TILL, gray, wet.		0 ppm	18.0
20.0		S-11	20-22	24/8	20 36 46 50	Dense	TILL, gray, wet.		0 ppm	20.0
22.0							SCHIST BEDROCK at 22 ft. Unweathered, low fracture. Granite sill within fracture.			22.0
24.0										24.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 22
LITTLE	10 TO 20%	Roller Bit	22 - 22.8
SOME	20 TO 35%	NX Core	22.8 - 36
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=
Depth to water 12.0 ft.
End of Exploration 36.0 ft.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 9 1

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-6sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 2/9/90 DATE FINISHED: 2/9/90
DRILLER: Ray Sima GROUND ELEVATION: 498.86
CORING METHOD: NX Core CORE DIAMETER: 2 1/4"
FUSS & O'NEILL REPRESENTATIVE: James Olsen

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
23	NX Core Slow Rate Smooth	1 5' 100	0	69	1/2 2/5 3/1 4/1 5/1	Tight Planar Medium-smooth Iron staining, some clay	Hebron Formation F-M grained, thinly layered Biotite-Quartz-Andesine schist Granite sills, 3 1/2" sill at 26.5'	
28	NX Core Slow Rate Smooth	2 5' 100	0	90	1/0 2/3 3/0 4/4 5/3	Tight Planar & Non planar Iron staining, some clay	Same 5 1/2" Granite sill at 28.5' 8" Granite sill at 31' Accessory minerals in granite; garnet, pyrite, arsenopyrite	
33	NX Core Slow Rate Smooth	2 3.5' 100	0	88	1/1 2/2 3/2 3.5/1	Tight Planar & Non planar Iron staining, some clay	Same	
36.5								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6952

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-6sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	5	3.43	69%	100%
2	5	5	4.5	90%	100%
3	3.5	3.5	3.1	89%	100%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 5 3

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 954

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-6sb**

Date of Completion: **2/9/90**

DEP/WPC I.D.:

Monitoring Point Location: **Between tanks 8A and 6A**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Jim Olsen**

Well Construction Method: **Hollow Stem Auger, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **498.86**

Well Depth Below Ground Surface: **37.52 ft.**

Top of Steel Casing Elevation (MSL): **500.86**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **500.85**

Screened Interval: **27.52 - 37.52 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **29.51 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Pump

Time Spent Developing: **0.5 hour**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 9555

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **39.51 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **27 to 38.5 ft.**

Length of Rock Cores: **14 ft.**

Diameter of Core Hole: **3 in.**

Thickness and Depth of Impermeable Backfill: **2 to 24 ft.**

O-ring Seals: Yes: X No:

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

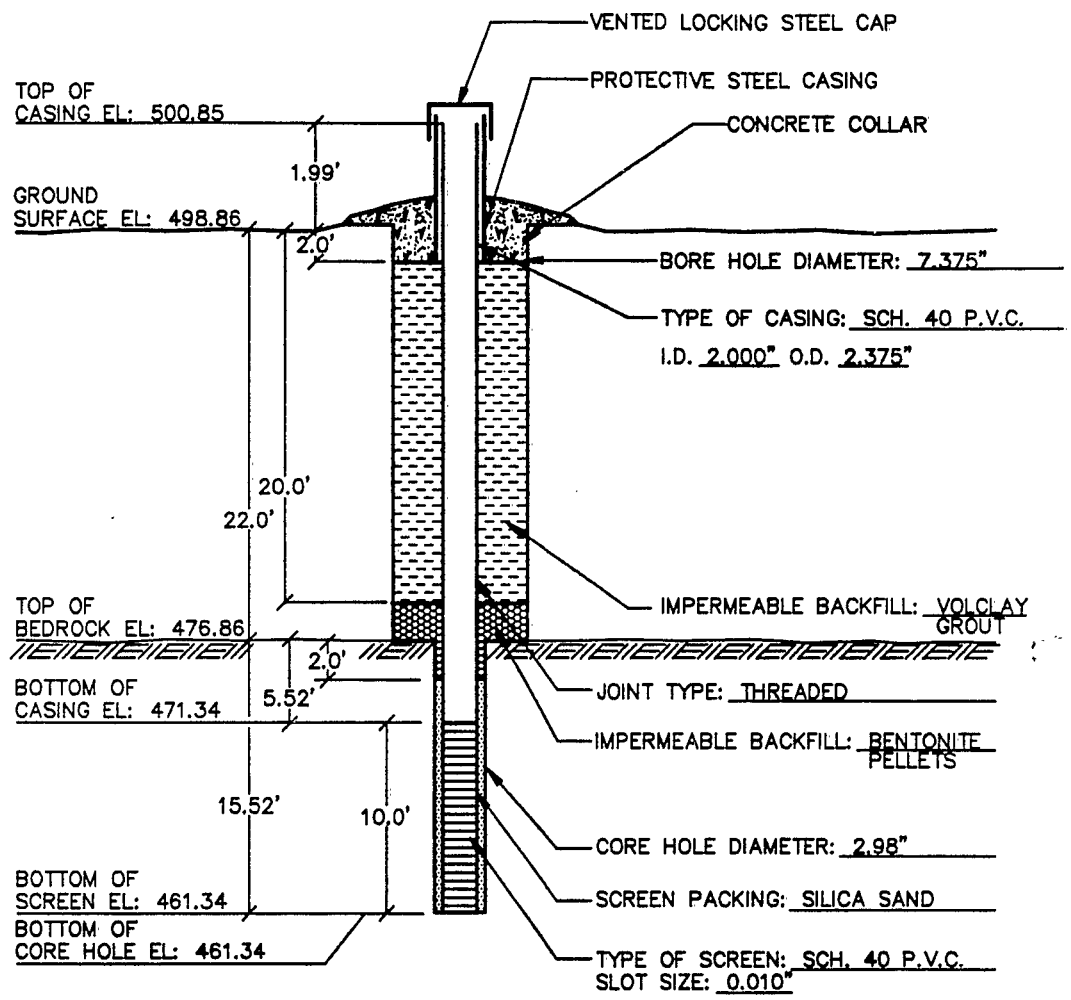
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-6sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-6sb
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 2/9/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 959

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-6db SHEET 1 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Near septic system leach field
GROUND ELEVATION 505.3
DATE STARTED 04/25/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
40.0	4 min	0-21': TILL; schist @ 21 ft. SCHIST				40.0
45.0	4 min	SCHIST				45.0
50.0	3 min	GRANITIC, Light Gray				50.0
55.0	3 min	SCHIST				55.0
60.0	4 min	SCHIST				60.0
65.0	3.5 min	SCHIST	Fracture at 66 ft.			65.0
70.0	3 min	SCHIST	Fracture at 70 ft, some stained fragments			70.0
75.0	3 min	SCHIST				75.0
80.0	3 min	SCHIST				80.0
85.0	2.5 min	SCHIST				85.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit/ with mud	0 - 35
LITTLE 10 TO 20%	Air Rotary/	
SOME 20 TO 35%	Air Hammer	35 - 300
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 6 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-6db SHEET 2 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Near septic system leach field
GROUND ELEVATION 505.3
DATE STARTED 04/25/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
90.0	1 min	SCHIST				90.0
			Fracture / water 93 ft.		0 ppm	
95.0	1.5 min	SCHIST				95.0
100.0	3 min	SCHIST				100.0
105.0	3.5 min	SCHIST				105
110.0	4 min	SCHIST				110.0
115.0	4 min	SCHIST				115.0
120.0	3.5 min	SCHIST		1 gpm		120.0
125.0	4 min	SCHIST				125.0
130.0	3.5 min	SCHIST				130.0
135.0	3.5 min	SCHIST	Fracture / water 136 ft.		0 ppm	135.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 658

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-6db SHEET 3 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Near septic system leach field
GROUND ELEVATION 505.3
DATE STARTED 04/25/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
140.0	3.5 min	SCHIST				140.0
145.0	4 min	SCHIST				145.0
150.0	4 min	SCHIST				150.0
155.0	4 min	SCHIST				155.0
160.0	5 min	SCHIST				160.0
165.0	5 min	SCHIST	Fracture / water 165 ft.	4 gpm	0 ppm	165.0
170.0	5 min	SCHIST				170.0
175.0	6 min	SCHIST				175.0
180.0	6 min	SCHIST				180.0
185.0	5.5 min	SCHIST				185.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6db

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
959

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-6db SHEET 4 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Near septic system leach field
GROUND ELEVATION 505.3
DATE STARTED 04/25/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
190.0	6 min	SCHIST				190.0
195.0	7 min	SCHIST				195.0
200.0	8 min	SCHIST				200.0
205.0	8 min	SCHIST				205.0
210.0	9 min	SCHIST				210.0
215.0	11.5 min	SCHIST				215.0
220.0	11.5 min	SCHIST				220.0
225.0	11.5 min	SCHIST				225.0
230.0	11.5 min	SCHIST				230.0
235.0	11.5 min	SCHIST				235.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 0

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-6db SHEET 5 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Near septic system leach field
GROUND ELEVATION 505.3
DATE STARTED 04/25/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
240.0	11.5 min	SCHIST				240.0
245.0	11.5 min	SCHIST				245.0
250.0	8 min	GRANITIC				250.0
255.0	8 min	GRANITIC with some schist chips				255.0
260.0	10 min	SCHIST				260.0
265.0	10 min	SCHIST				265.0
270.0	10 min	SCHIST with some granitic fragments				270.0
275.0	10 min	SCHIST with some granitic fragments				275.0
280.0	10 min	SCHIST				280.0
285.0	8 min	SCHIST				285.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 7 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-6db SHEET 6 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Near septic system leach field
GROUND ELEVATION 505.3
DATE STARTED 04/25/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
290.0	8 min	SCHIST				290.0
295.0	8 min	SCHIST				295.0
300.0	8 min	SCHIST				300.0
				4 gpm		

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-6db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 2

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-6db**

Date of Completion: **4/26/91**

DEP/WPC I.D.:

Monitoring Point Location: **Near septic system leach field**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **505.34**

Well Depth Below Ground Surface: **300 ft.**

Top of Steel Casing Elevation (MSL): **504.42**

Refusal: Yes No:

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: :

Length of Screen: **N/A**

Length of Riser Pipe: **N/A**

Screen Type:

Screen Slot Size: **N/A**

Filter Fabric: Yes No **X**

Screen Packing: Yes No:

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Surge and Bail

Time Spent Developing: **3 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
9173

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **35 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **66 ft., 70 ft., 93 ft., 136 ft., 165 ft. Total Yield 4 gpm**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill: **Volclay Grout**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
9714

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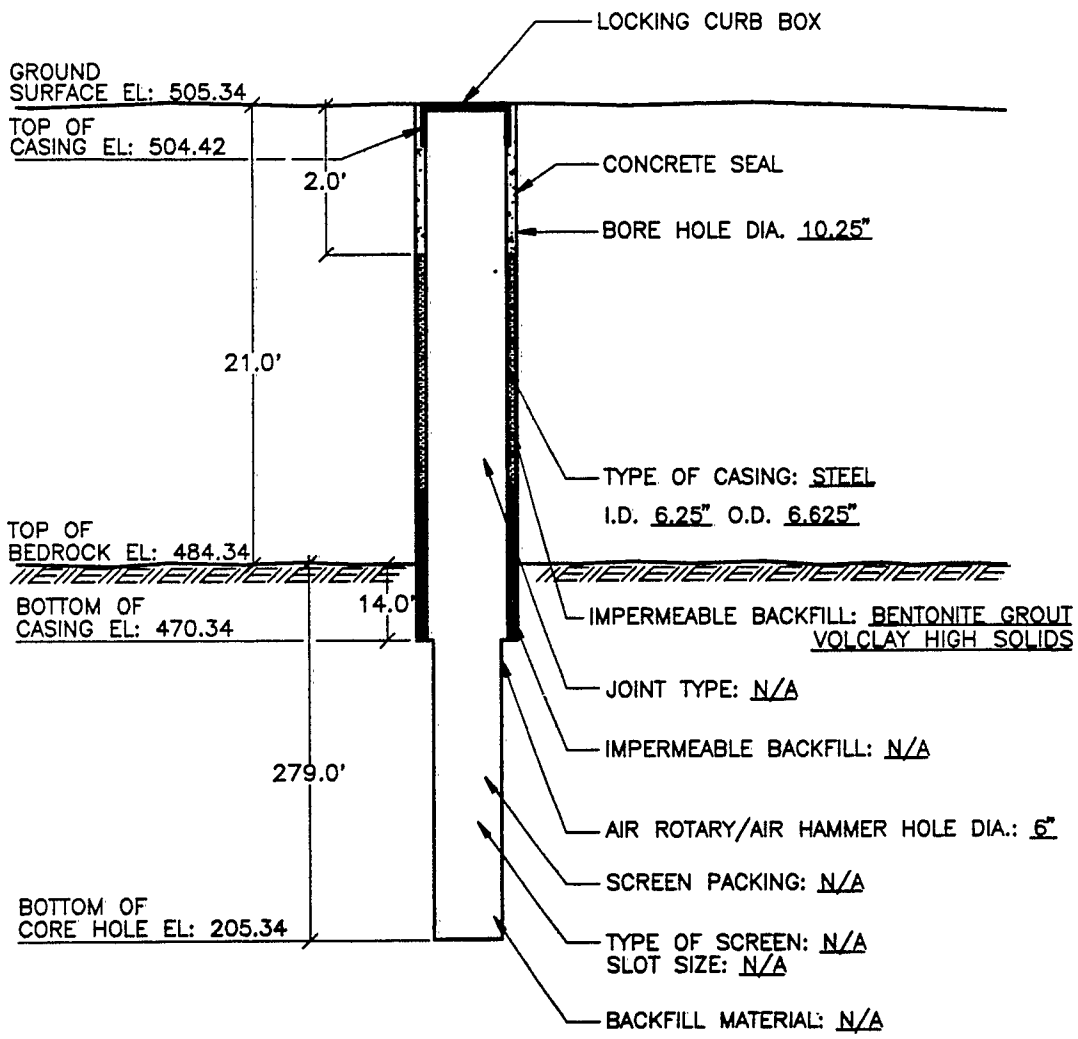
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 5

WELL NO. MW-6db



FUSS & O'NEILL inc.
consulting engineers

WELL CONSTRUCTION DETAILS
MW-6db
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/20/91 SCALE: N.T.S

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-7sb
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION 250' SW of road to cabin
GROUND ELEVATION 484.8
DATE STARTED 08/06/87 DATE FINISHED 08/07/87

DRILLING METHOD Spin Casing/Roller Bit/NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
08/07/87	Ground	15.00	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		Core time/ft	0-1.5	1.5/1.0	2 3 3	Loose	0-0.4': TOPSOIL. 0.4-1': SAND, F; silt;little F-C gravel; light brown, dry.		0.0 ppm	0.0
							Bedrock at 1 ft.			
5.0		10 15	4.5-10	5.0/5.0			Core Run #1 & 2: Biotite, quartz, andesine, schist (hebron formation), F grained, gray, highly foliated, well layered, highly fractured.			5.0
		9 7								
		6.5								
10.0		6 6	10-13	3.0/3.0			Core Run #3: Same as above.			10.0
		4 4	13-18	5.0/5.0			Core Run #4: Same as above.			
15.0		4 4								15.0
		4 4								
		4 4	18-23	5.0/4.9			Core Run #5: Same as above.			
20.0		4 4								20.0
		4 5	23-28	5.0/5.0			Core Run #6: Same as above.			
25.0		6 5								25.0
							End of Boring at 28 ft.			

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

perfill\wellog04

BORING METHOD	DEPTH
Spin Casing	0 - 4.5
Roller Bit	2 - 4.5
NX Core	4.5 - 9.5
HX Core	4.5 - 28

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-7sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 6

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT.

BORING NO. MW-7sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Glenn Drilling — DATE STARTED: 8/6/87 — DATE FINISHED: 8/7/87
DRILLER: Ray Glenn — GROUND ELEVATION: 484.81
CORING METHOD: NX Core (4.5-9.5) HX (4.5-28) — CORE DIAMETER: NX Core (1 7/8") HX (3")
FUSS & O'NEILL REPRESENTATIVE: Rick Christiana

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
4.5	NX Core HX Core (Run 2) 1800 gal Total for boring	1 5 100	0	23	1/5 2/2 3/3 4/6 5/3	Tight Planar Smooth Iron staining, some clay	Hebron formation F-M grained, thinly layered biotite, quartz, andesine schist. Grnite sill, 8" sills at 7 ft.	
9.5	HX Core	3 3 100	0	26	1/3 2/3 3/4	Tight Schist - smooth, planar Granite - jagged Iron staining, some clay Vertical fracture at 11 ft.	Same 5" granite sill at 10 ft.	
13	HX Core	4 5 100	0	38	1/4 2/3 3/1 4/2 5/8 I	Medium tight Schist - smooth, planar Granite - jagged Iron staining, some clay Vertical fracture at 13 ft.	Same, higher grade of metamorphism. 25" granite sill at 18 ft.	
18	HX Core	5 4.9 98	0.1	38	1/4 2/4 3/3 4/5 5/4	Medium tight Schist - smooth, planar Granite - jagged Iron staining, some clay	Same	
23	HX Core	5 5 100	0	34	1/3 2/3 3/4 4/2 5/1	Medium tight Schist - smooth, planar Granite - jagged Iron staining, some clay	Same. 10" granite sill at 27 ft.	
28								

perfill/r-core3

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 7 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-7sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	5	1.15	23%	100%
2	5.5	0	0	0%	0%
3	3	3	0.79	26%	100%
4	5	5	1.9	38%	100%
5	5	4.9	1.88	38%	98%
6	5	5	1.72	34%	100%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 7 8

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-7sb**

Date of Completion: **8/7/87**

DEP/WPC I.D.:

Monitoring Point Location: (relative to site features) **250' Southwest of back road leading to the cabin and Bald Hill Restaurant**

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist: **Rich Christiana**

Well Construction Method: **Spin Casing, NX Core, HX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **484.81**

Well Depth Below Ground Surface: **28.03 ft.**

Top of Steel Casing Elevation (MSL): **486.73**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **486.61**

Screened Interval: **23.03 - 28.03 ft.**

Length of Screen: **5 ft.**

Length of Riser Pipe: **24.83 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **7.75 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill: **Bentonite Pellets**

Estimated K Screened Interval:

Well Casing Material and Schedule: **Schedule 40 PVC**

Method of Well Development: **Bail and Pump**

Locking X or Threaded Cap

Time Spent Developing;

Impermeable Backfill: **Bentonite Powder**

LIN002 9 7 9

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 986

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **29.83 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **15 to 28 ft.**

Length of Rock Cores: **4.5 to 28 ft.**

Diameter of Core Hole: **HX Core**

Thickness and Depth of Impermeable Backfill: **2.8 to 20 ft.**

O-ring Seals: Yes: X No:

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

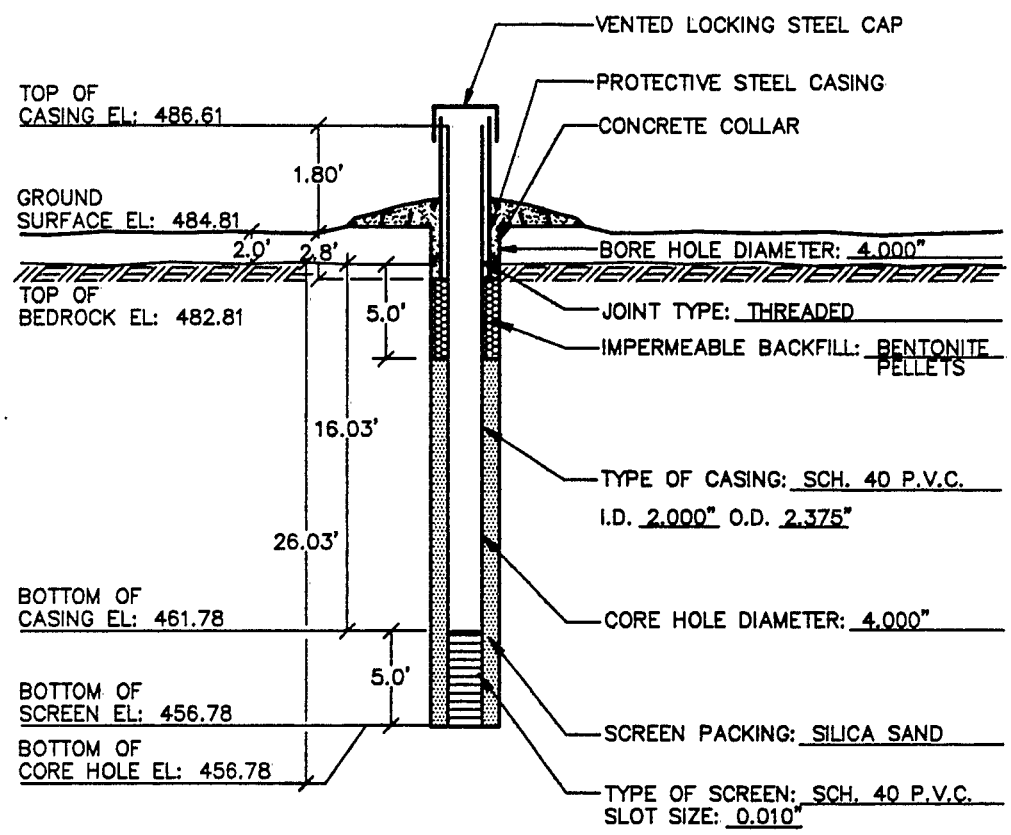
Inferred Relationship to Plume; Within X Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-7sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-7sb
LINEMASTER SWITCH CO[illegible].
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 8/7/87 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
1 8 9

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-8t
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION West of pond adj. to Rt 171
GROUND ELEVATION 435.1
DATE STARTED 05/10/91 DATE FINISHED 05/10/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		76	0-2	24/12	3 4		SILT; little VF sand; little C gravel; organics; dark yellow brown (10YR 4/2).			0.0
1.0					5 6					1.0
2.0										2.0
3.0										3.0
4.0										4.0
5.0		77	5-7	24/14	5 14		SAND, C,M,F; some C,M,F angular gravel; little silt; little cobble; grayish orange (10YR 7/4).			5.0
6.0					20 15					6.0
7.0										7.0
8.0										8.0
9.0										9.0
10.0		78	10-12	24/14	7 9		SILT; some C,M,F sand; some C,M,F angular gravel; grayish orange (10YR 7/4).			10.0
11.0					18 15					11.0
12.0										12.0
13.0										13.0
14.0										14.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 19.8
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA Calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-8t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 8 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-8t
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION West of pond adj. to Rt 171
GROUND ELEVATION 435.1
DATE STARTED 05/10/91 DATE FINISHED 05/10/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
15.0		79	15-17	24/12	50 40		SILT; some C,M,F sand; some C,M,F angular gravel; grayish orange (10YR 7/4).		ND	15.0
16.0					22 50					16.0
17.0										17.0
18.0										18.0
19.0										19.0
20.0							Auger Rejection 19.8 ft. Well Set 19.8 ft.			20.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA Calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-8t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0983

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-8t**

Date of Completion: **5/13/91**

DEP/WPC I.D.:

Monitoring Point Location: **West of pond adjacent to 171**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **435.14**

Well Depth Below Ground Surface: **20.30 ft.**

Top of Steel Casing Elevation (MSL): **437.26**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **436.68**

Screened Interval: **10.3 - 20.30 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **11.84 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2'**

Material: **#00 Morie Sand**

Grain Size: **Very Fine**

Impermeable Backfill:
Hole Plug

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking **X** or Threaded Cap

Impermeable Backfill:
Hole Plug

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 8 4

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LIN002 585

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Deep Till**

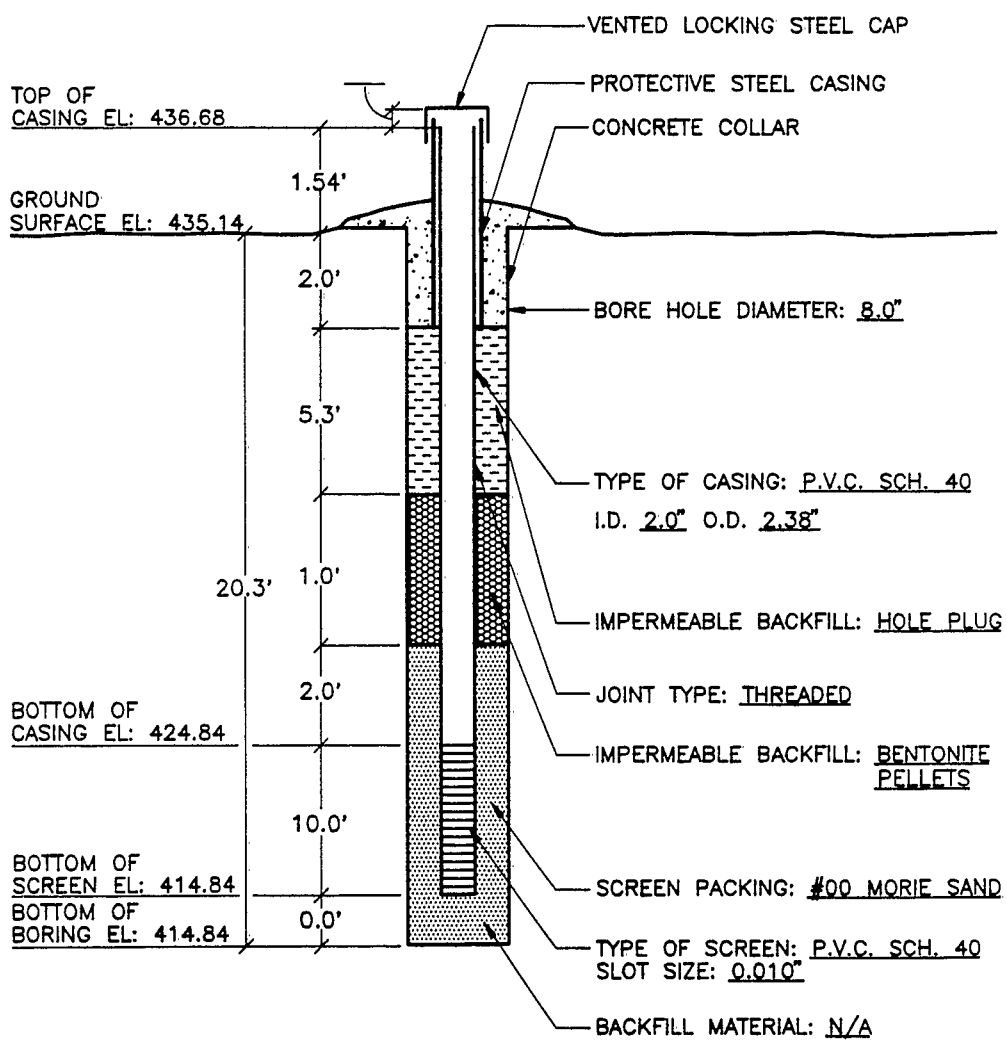
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-8t



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-8t
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/13/91 SCALE: N.T.S

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LIN002
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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WODDSTOCK, CONNECTICUT	BORING NO. MW-8sb SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Roy Glenn and Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION Rt. 171, 179' west of the pond
GROUND ELEVATION 435.2
DATE STARTED 08/04/87 DATE FINISHED 08/06/87

DRILLING METHOD Spin Casing/Roller Bit/NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
08/04/87	Ground	9.50	0.0
08/05/87	Ground	19.10	0.0
08/06/87	Ground	22.45	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-1.5	1.5/1.1	3 6 6	Loose	TOPSOIL, organic-rich, brown, dry.		0.0 ppm	0.0
5.0			5-6.5	1.5/1.0	7 11 19	Medium Dense	SAND, F; silt; some F-M gravel; rock fragments; brown, dry.		0.0 ppm	5.0
10.0			10-11.5	1.5/0.9	34 23 42	Medium Dense	SAND, F; silt; F-M gravel; cobbles; rock fragments; brown, moist.		0.0 ppm	10.0
15.0			15-16.5	1.5/1.2	17 27 24	Medium Dense	SAND, F-M; silt; F-M gravel; cobbles; rock fragments; brown, moist.		0.0 ppm	15.0
20.0		Core time/ft	20-21.5	1.5/1.0	34 57 50 (0.2')	Medium Dense	SAND, F; silt; F-M gravel; cobbles; rock fragments; brown, moist. Strata change at 21.3 ft.		0.0 ppm	20.0
		9.5 8.0	22-27				Core Run #1: Biotite, quartz, andesine, schist, F grained, gray, thinly foliated, well layered, moderate fractured.			
25.0		10.0 8.5								25.0
		8.0 9.0	27-29				Core Run #2: Same as above, more fractured, weathered zones.			
		10.0					End of Boring at 29.25 ft.			

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

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BORING METHOD	DEPTH
Spin Casing	0 - 10
Roller Bit	10 - 15
Spin Casing	15 - 20
Roller Bit	20 -22
NX Core	22 - 29
Roller Bit	22- 29.25

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-8sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 8 7

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT.

BORING NO. MW-8sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Glenn Drilling — DATE STARTED: 8/5/87 — DATE FINISHED: 8/6/87
DRILLER: Roy Glenn — GROUND ELEVATION: 435.16
CORING METHOD: NX Core — CORE DIAMETER: 1 7/8"
FUSS & O'NEILL REPRESENTATIVE: Rick Christiana

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
22	1950 gal Total for boring	1 5 96	0.2	96	1/1 2/0 3/0 4/0 5/0	Tight Planar, smooth Iron	Hebron formation F-M grained thinly layered biotite, quartz, andesine schist, some concordant granite sills less than 1" thick.	
27		2 2 90	0.2	31	1/4 2/0	Tight to medium tight Planar, smooth Iron	Same	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 8 8

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-8sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	4.8	2.5	50%	96%
2	2	1.8	0.62	31%	90%

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
9 8 6

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-8sb**

Date of Completion: **8/6/87**

DEP/WPC I.D.:

Monitoring Point Location: **179 ' +- West of pond along Route 171**
(relative to site features)

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist: **Rich Christiana**

Well Construction Method: **4 in. Casing, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **435.10**

Well Depth Below Ground Surface: **29.20 ft.**

Top of Steel Casing Elevation (MSL): **437.85**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **437.62**

Screened Interval: **24.20 - 29.20 ft.** :

Length of Screen: **5 ft.**

Length of Riser Pipe: **26.66 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **7.25 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Pump

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite Slurry

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0966

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **31.66 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **22 to 29 ft.**

Length of Rock Cores: **22 to 29 ft.**

Diameter of Core Hole: **HX Core**

Thickness and Depth of Impermeable Backfill: **2.5 to 22 ft.**

O-ring Seals: Yes: No: X

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

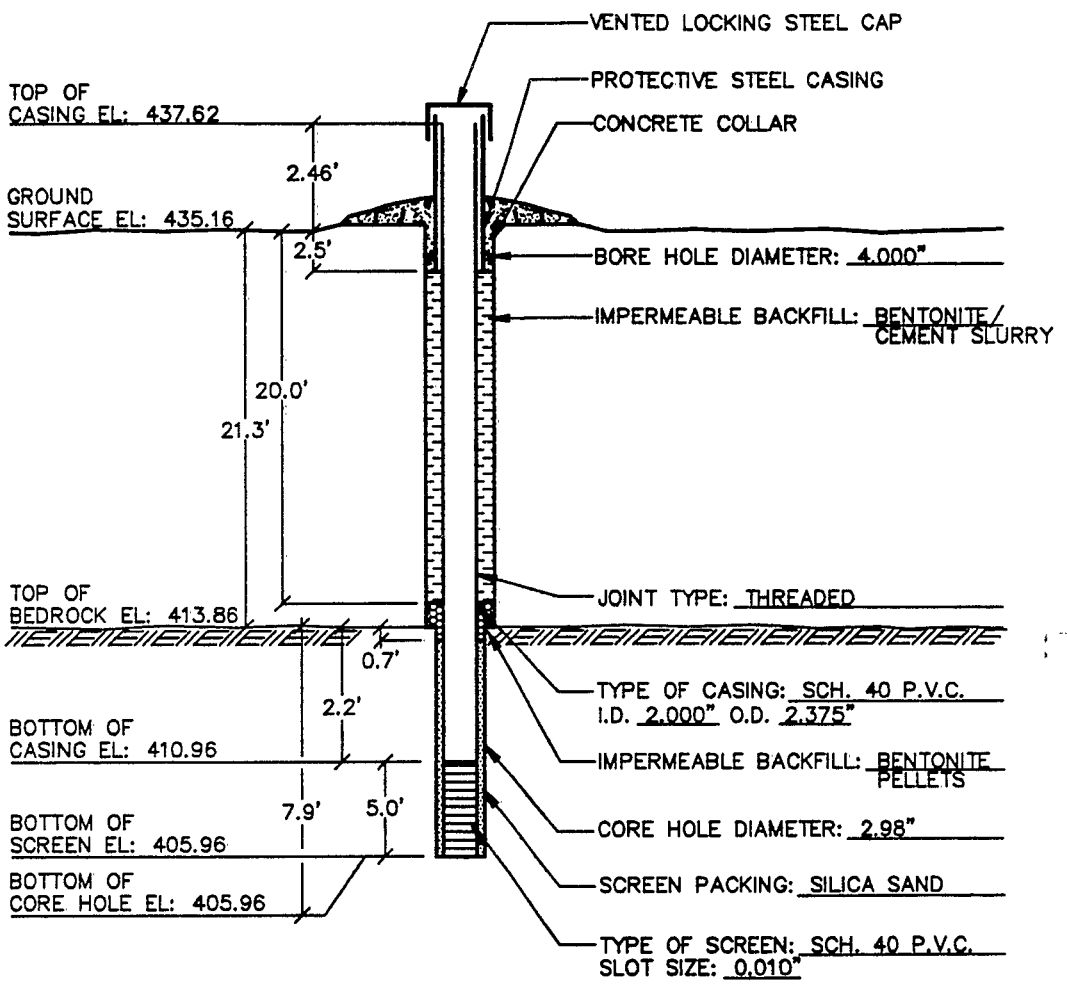
Inferred Relationship to Plume; Within X Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-8sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-8sb
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 8/6/87 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 6 2

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-8db SHEET 1 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Side of field next to restraurant
GROUND ELEVATION 435.5
DATE STARTED 04/26/91 DATE FINISHED 04/29/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
35.0	2 min	0-20': TILL, schist @ 20 ft. SCHIST				35.0
40.0	3 min	SCHIST	Fracture / water 41ft.		0 ppm	40.0
45.0	2.5 min	SCHIST				45.0
50.0	3 min	SCHIST				50.0
55.0	3 min	SCHIST				55.0
60.0	4 min	SCHIST				60.0
65.0	3.5 min	SCHIST				65.0
70.0	3.5 min	SCHIST				70.0
75.0	4 min	SCHIST				75.0
80.0	4 min	SCHIST				80.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Roller Bit with mud	0 - 30
LITTLE	10 TO 20%	Air Rotary/	
SOME	20 TO 35%	Air Hammer	30 - 200
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-8db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
93

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-8db SHEET 2 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Side of field next to restraurant
GROUND ELEVATION 435.5
DATE STARTED 04/26/91 DATE FINISHED 04/29/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
85.0	4 min	SCHIST				85.0
90.0	4 min	SCHIST				90.0
95.0	4 min	SCHIST	Fracture at 95 ft.			95.0
100.0	4 min	SCHIST				100.0
105.0	4 min	SCHIST				105.0
110.0	4 min	SCHIST				110.0
115.0	4 min	SCHIST				115.0
120.0	4 min	SCHIST				120.0
125.0	4 min	SCHIST				125.0
130.0	4 min	SCHIST				130.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-8db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 9 4

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-8db SHEET 3 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Side of field next to restraurant
GROUND ELEVATION 435.5
DATE STARTED 04/26/91 DATE FINISHED 04/29/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
135.0	4 min	SCHIST				135.0
140.0	4 min	SCHIST, some granitic fragments				140.0
145.0	4 min	SCHIST				145.0
150.0	4 min	SCHIST				150.0
155.0	4 min	SCHIST				155.0
160.0	4 min	SCHIST				160.0
165.0	4 min	SCHIST				165.0
170.0	4 min	SCHIST				170.0
175.0	4 min	GRANITIC / PEGMATITE				175.0
180.0	4 min	SCHIST				180.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-8db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-8db SHEET 4 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Side of field next to restraurant
GROUND ELEVATION 435.5
DATE STARTED 04/26/91 DATE FINISHED 04/29/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
185.0	4 min	SCHIST				185.0
190.0	4 min	SCHIST				190.0
195.0	4 min	SCHIST				195.0
200.0	4 min	SCHIST		1 gpm		200.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-8db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
9 6 9

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-8db**

Date of Completion: **4/29/91**

DEP/WPC I.D.:

Monitoring Point Location: **On side of field next to restaurant**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **435.52**

Well Depth Below Ground Surface: **202 ft.**

Top of Steel Casing Elevation (MSL): **437.62**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **30 - 202 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **30 - 32 ft.**

Screen Type: **N/A**

Screen Slot Size:

Filter Fabric: Yes No **X**

Screen Packing: Yes No: **X**

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Surge and Bail

Time Spent Developing: **2 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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ADMINISTRATIVE RECORD

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MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **30 - 32 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **41 ft.**
Total Yield = 1 gpm

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill:

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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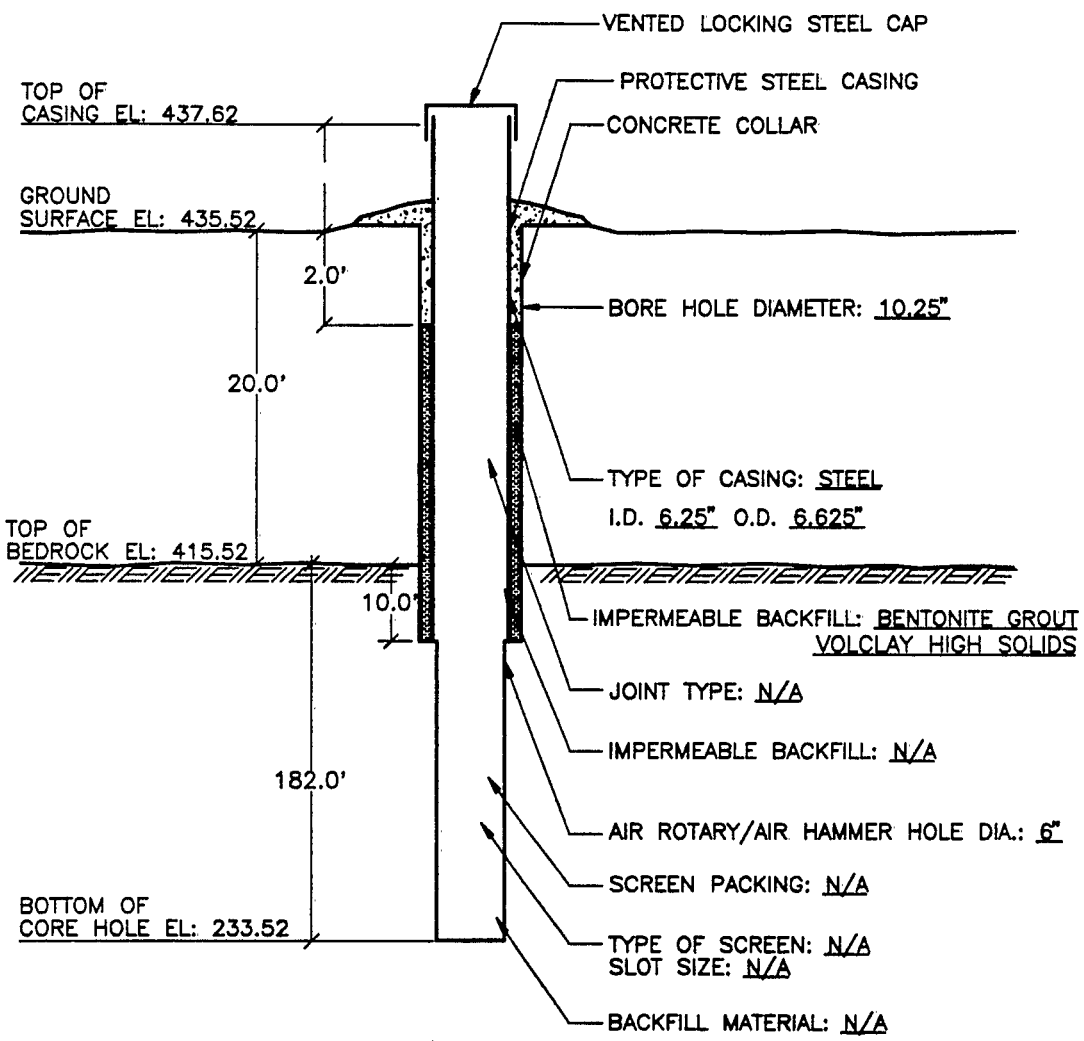
WELL NO. MW-8db



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-8db
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/1/91 SCALE: N.T.S

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-9sb
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Glenn Drilling
DRILLER Steve
FUSS & O'NEILL REPRESENTATIVE Rich Christiana

BORING LOCATION 100' North of cabin
GROUND ELEVATION 467.9
DATE STARTED 08/10/87 DATE FINISHED 08/10/87

DRILLING METHOD Spin Casing / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
08/10/87	Ground	6.20	0.5

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-2	2.0/1.5	3 2 3 6	Loose	TOPSOIL, organic-rich, brown, dry.		0.0 ppm	0.0
5.0			5-5.4	0.4/0.4	50 (0.4')	Medium	SAND, F-M; silt; little gravel; cobbles; rock fragments; light		0.0 ppm	5.0
						Dense	brown, dry.			
			6.2-9.0	2.8/1.1			Core Run #1: Biotite, quartz, andesine, schist (hebron schist),			
			9-12	3.0/2.4			F grained, gray, highly foliated and fractured. Core Run #2: Same as above.			
10.0		Core time/ft								10.0
		4	12-17.4	5.4/1.8			Core Run #3: Same as above.			
15.0		4 5								15.0
		7 7								

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

BORING METHOD	DEPTH
Spin Casing	0 - 6.2
HX Core	6.2 - 17.4

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-9sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-9sb**

Date of Completion: **8/10/87**

DEP/WPC I.D.:

Monitoring Point Location: (relative to site features) **Approximately 100' +- North of cabin adjacent to existing hand dug well**

Drilling Contractor: **Glenn Drilling**

Supervising Engineer/Geologist: **Rich Christiana**

Well Construction Method: **Spin Casing, HX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **467.90**

Well Depth Below Ground Surface: **15.29 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **469.93**

Screened Interval: **10.29 - 15.29 ft.** :

Length of Screen: **5 ft.**

Length of Riser Pipe: **12.32 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **7.15 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size:

Impermeable Backfill: **Bentonite Pellets**

Well Casing Material and Schedule: **Schedule 40 PVC**

Estimated K Screened Interval:

Method of Well Development: **Bail and Pump**

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0001

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LINEMASTER SWITCH
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LIN002 0002

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **17.32 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **6.2 to 16.58 ft.**

Length of Rock Cores: **6.2 to 16.58 ft.**

Diameter of Core Hole: **HX Core**

Thickness and Depth of Impermeable Backfill: **3 to 8 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

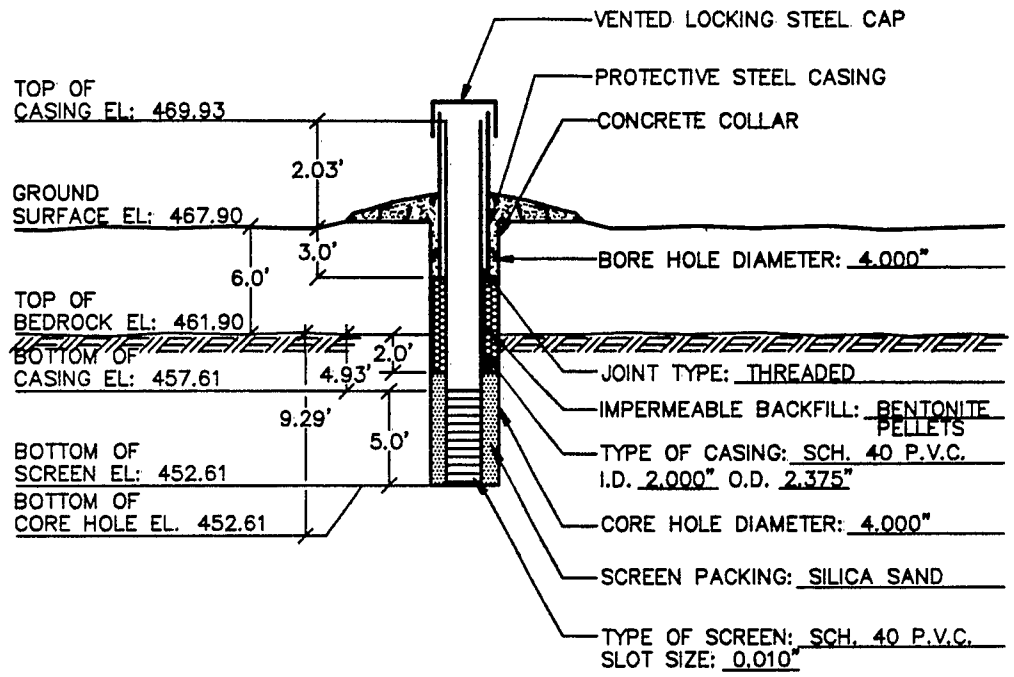
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-9sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-9sb
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 8/10/87 SCALE: N.T.S

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 0003

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-10ts SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 04/01/92 DATE FINISHED 04/01/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		-10	0-2	24/4	5 9 10 15	Dense	Woodchips, topsoil and till; dark yellowish brown (10YR 4/2).		0 ppm	0.0
2.0										2.0
4.0		-11	5-7	24/18	10 12	Dense	TILL, F; little subangular gravel; olive gray (5Y 4/1).	SM	1743	4.0
6.0					13 15				ppm	6.0
8.0										8.0
10.0		-12	10-12	24/18	5 7 8 10	Dense	Same as above, dark greenish gray (5GY 4/1).	SM	332 ppm	10.0
12.0										12.0
14.0		-13	15-17	24/18	10 13	Dense	Same as above.	SM	1400	14.0
16.0					15 15				ppm	16.0
18.0										18.0
20.0		-14	20-22	24/16	13 26 37 50	Dense	Same as above, olive gray (5Y 4/1).	SM	932 ppm	20.0
22.0							22': BOULDERS.			22.0
24.0		-15	24-26	24/24	5 18 20 22	Dense	Same as above.	SM	1411 ppm	24.0
26.0										26.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 26
ITTLE 10 TO 20%		
OME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA/OVM

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-10ts

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 004

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-10ts**

Date of Completion: **4/1/92**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **26 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL):

Screened Interval: **16 - 26 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **18 ft.**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size: **#00**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and pump

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Bentonite Grout (Volclay)

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 0 5

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Shallow Till**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log):

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 0 0 5 6

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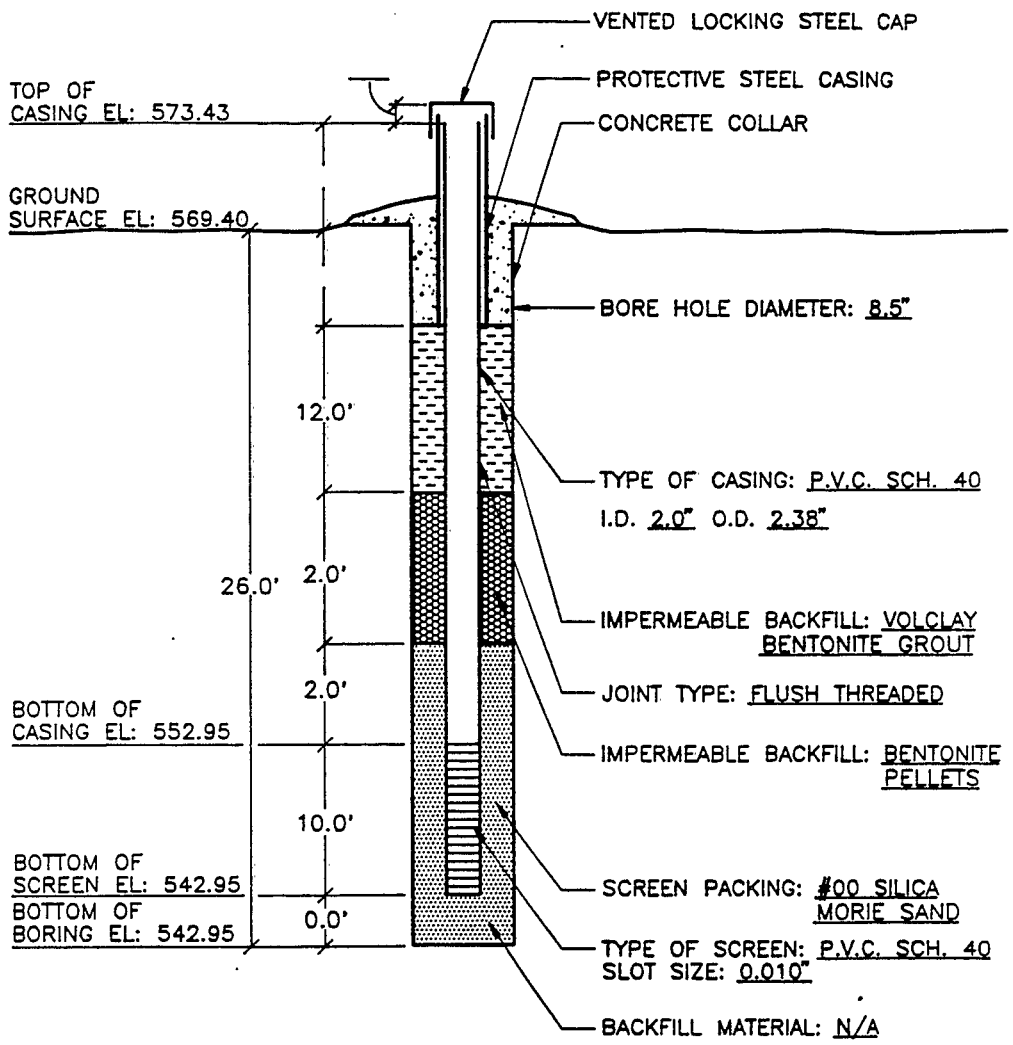
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0071

WELL NO. MW-10ts



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-10ts
LINEMASTER SWITCH COF
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-68 DATE: 4/1/92 SCALE: N.T.S

FILENAME: MW-10ts.DWG

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-10td SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Sima Drilling Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 568.6
DATE STARTED 01/18/90 DATE FINISHED 01/18/90

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
0.0		S-1	0-2	Grab	-	Medium Loose	FILL, sandy; some gravel; moist.	GP	2 ppm	0.0
2.0		S-2	2-4	24/24	4 4 3 4	Medium Dense	SAND, F-C; trace pebbles; brown, moist.	GW	5 ppm	2.0
4.0		S-3	4-6	24/6	1 2 3 6	Medium Dense	SAND, F-C; trace pebbles; little clay; brown, moist.	GW	60 ppm	4.0
6.0		S-4	6-8	24/18	3 3 4 8	Medium Dense	SAND, F-C; some gravel; some pebbles; brown, moist.	GW	20 ppm	6.0
8.0			8-10	0/0	50 (0")	-	BOULDER.	-	-	8.0
10.0		S-5	10-12	24/18	4 17 11 13	Dense	Sand, silt, clay, till; medium brown to gray, dry.	SM	300 ppm	10.0
12.0		S-6	12-14	24/12	5 8 30 28	Dense	Same as above.	SM	280 ppm	12.0
14.0		S-7	14-16	24/24	20 11 11 16	Dense	Sand, silt, clay, till; some rock fragments; medium brown to gray, dry.	SM	125 ppm	14.0
16.0		S-8	16-18	24/18	6 8 10 10	Dense	Same as above.	SM	120 ppm	16.0
18.0		S-9	18-20	24/18	6 10 20 15	Dense	Sand, silt, clay, till; medium brown to gray, dry.	SM	35 ppm	18.0
20.0		S-10	20-22	24/24	5 17 14 15	Dense	Same as above.	SM	40 ppm	20.0
22.0		S-11	22-24	24/18	5 18 18 14	Dense	Same as above.	SM	150 ppm	22.0
24.0		S-12	24-26	24/24	4 10 10 8	Dense	Same as above.	SM	60 ppm	24.0
26.0		S-13	26-28	24/24	2 4 8 12	Dense	Same as above.	SM	65 ppm	26.0
28.0		S-14	28-30	24/18	4 4 8 12	Dense	Same as above.	SM	65 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 43.5
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= Photoionization Analyzer, Model HW101

Confining layer at 14 to 16 ft.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-10td

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0008

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-10td
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Sima Drilling Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 568.6
DATE STARTED 01/18/90 DATE FINISHED 01/18/90

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		S-15	30-32	24/24	6 8 18 30	Dense	Same as above.	SM	80 ppm	30.0
32.0		S-16	32-34	24/18	10 10 18 35	Dense	Same as above.	SM	100 ppm	32.0
34.0		S-17	34-36	24/18	18 25 20 22	Dense	Same as above.	SM	110 ppm	34.0
36.0		S-18	36-38	24/18	4 7 7 13	Dense	Same as above.	SM	65 ppm	36.0
38.0		S-19	38-40	24/18	5 5 8 12	Dense	Same as above.	SM	150 ppm	38.0
40.0		-		-	-	-	No sample.	-	-	
42.0							Refusal at 43.4 ft. End of Boring at 43.5 ft.			42.0
44.0										44.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= Photoionization Analyzer, Model HW101

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-10td

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 009

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-10td**

Date of Completion: **1/18/90**

DEP/WPC I.D.:

Monitoring Point Location: **East of Main Facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Mark Annitto

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.64**

Well Depth Below Ground Surface: **43.79 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **569.95**

Screened Interval: **33.79 - 43.79 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **35.10 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Morie Sand**

Grain Size: **#1**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing: **.75 hour**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0110

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

Inferred Relationship to Plume; Within Outside **X** Edge

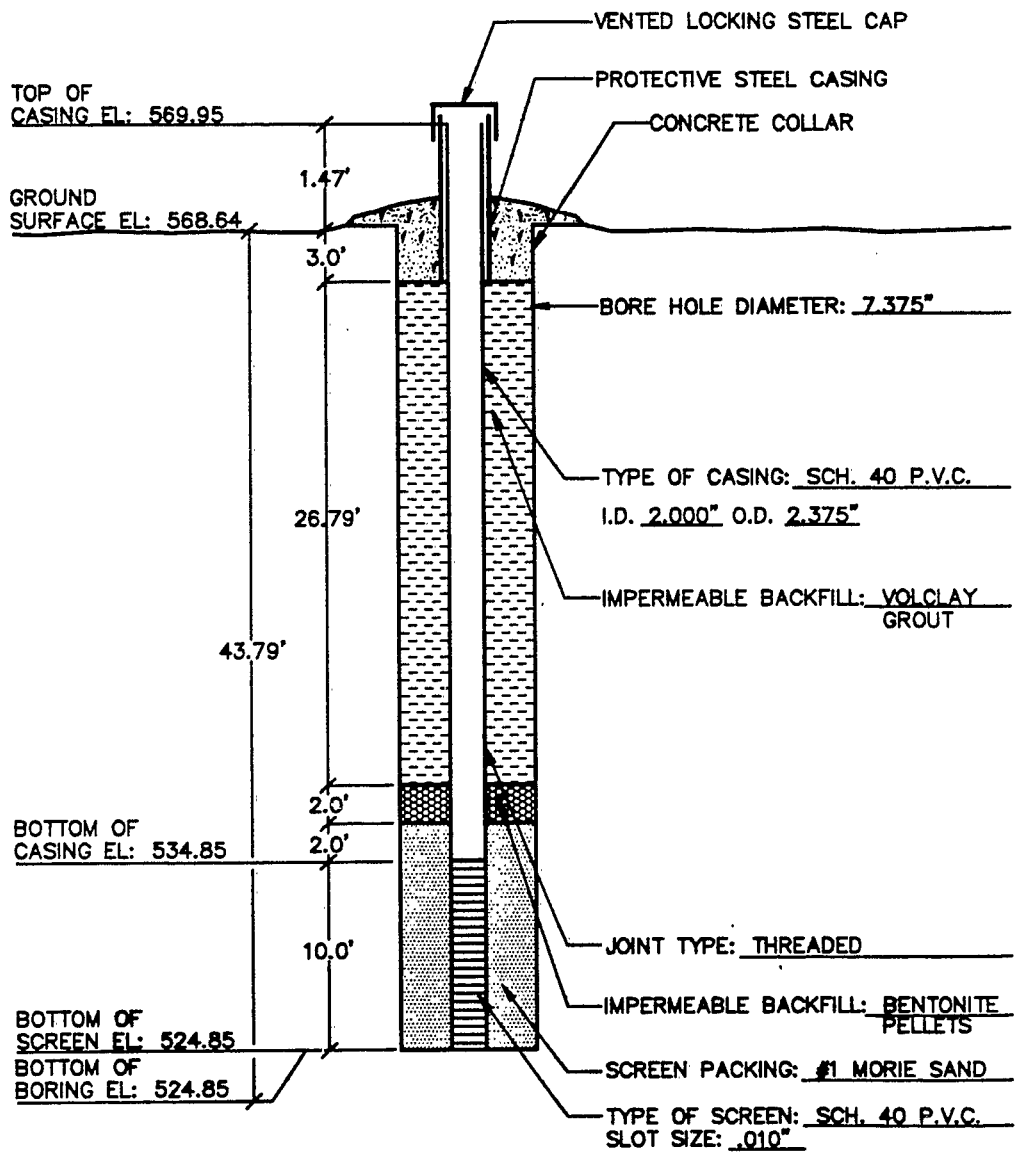
Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002

WELL NO. MW-10td



FUSS & O'NEILL
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-10td
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 1/18/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 1 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-10sb
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Sima Drilling Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 568.4
DATE STARTED 01/16/90 DATE FINISHED 01/17/90

DRILLING METHOD Air Rotary/Rotary Bit/Rock Corer
SAMPLING METHOD Rock Corer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0							0-46': No sampling required, see MW-10t for lithologic description.			0.0
							End of Boring at 62.3 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Air Rotary	0 - 46
LITTLE 10 TO 20%	Rotary Bit	46 - 47.3
OME 20 TO 35%	Rock Corer	47.3 - 62.3
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-10sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E1.8

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT.

BORING NO. MW-10sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 1/16/90 DATE FINISHED: 1/17/90
DRILLER: Ray Sima GROUND ELEVATION: 568.40
CORING METHOD: NX Core CORE DIAMETER: 2 1/4"
FUSS & O'NEILL REPRESENTATIVE: Mark Annitto

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	DISCONTINUITIES: FRACTURES PER FOOT	DISCONTINUITIES: DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
47	NX Core Very slow rate	1 5 100	0	98	1/1 2/0 3/0 4/0 5/0	Very tight Non-planar Jagged Iron staining	Pegmatite, some granite gneiss C grained quartz microcline oligoclase muscovite, biotite accessory- arsenopyrite, pyrite, garnet, apatite, zircon.	
52	NX Core Very slow rate	2 5 100	0	100	1/0 2/0 3/1 4/0 5/0	Same	Same, no granite gneiss.	
57	NX Core Very slow rate	3 5 100	0	100	1/0 2/1 3/0 4/1 5/0	Same	Same, no granite gneiss.	
62								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0114

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-10sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	5	4.9	98%	100%
2	5	5	5	100%	100%
3	5	5	5	100%	100%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 B15

MONITOR WELL COMPLETION REPORT

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0119

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-10sb**

Date of Completion: **1/17/90**

DEP/WPC I.D.:

Monitoring Point Location: **East of Main Facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Mark Annitto

Well Construction Method: **Air Rotary, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.40**

Well Depth Below Ground Surface: **62.41 ft.**

Top of Steel Casing Elevation (MSL): **569.44**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **569.29**

Screened Interval: **52.41 - 62.41 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **53.3 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **15 ft.**

Well Inside Diameter: **2"**

Material: **Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge block and Bail

Time Spent Developing: **2.5 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 1 1

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **63.30 ft.**

Water-Bearing Rock Unit: **Pegmatite**

Water-Bearing Sections (Depths and Approximate Yields): **50 to 63 ft.**

Length of Rock Cores: **15 ft.**

Diameter of Core Hole: **3 in.**

Thickness and Depth of Impermeable Backfill: **48 to 63 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

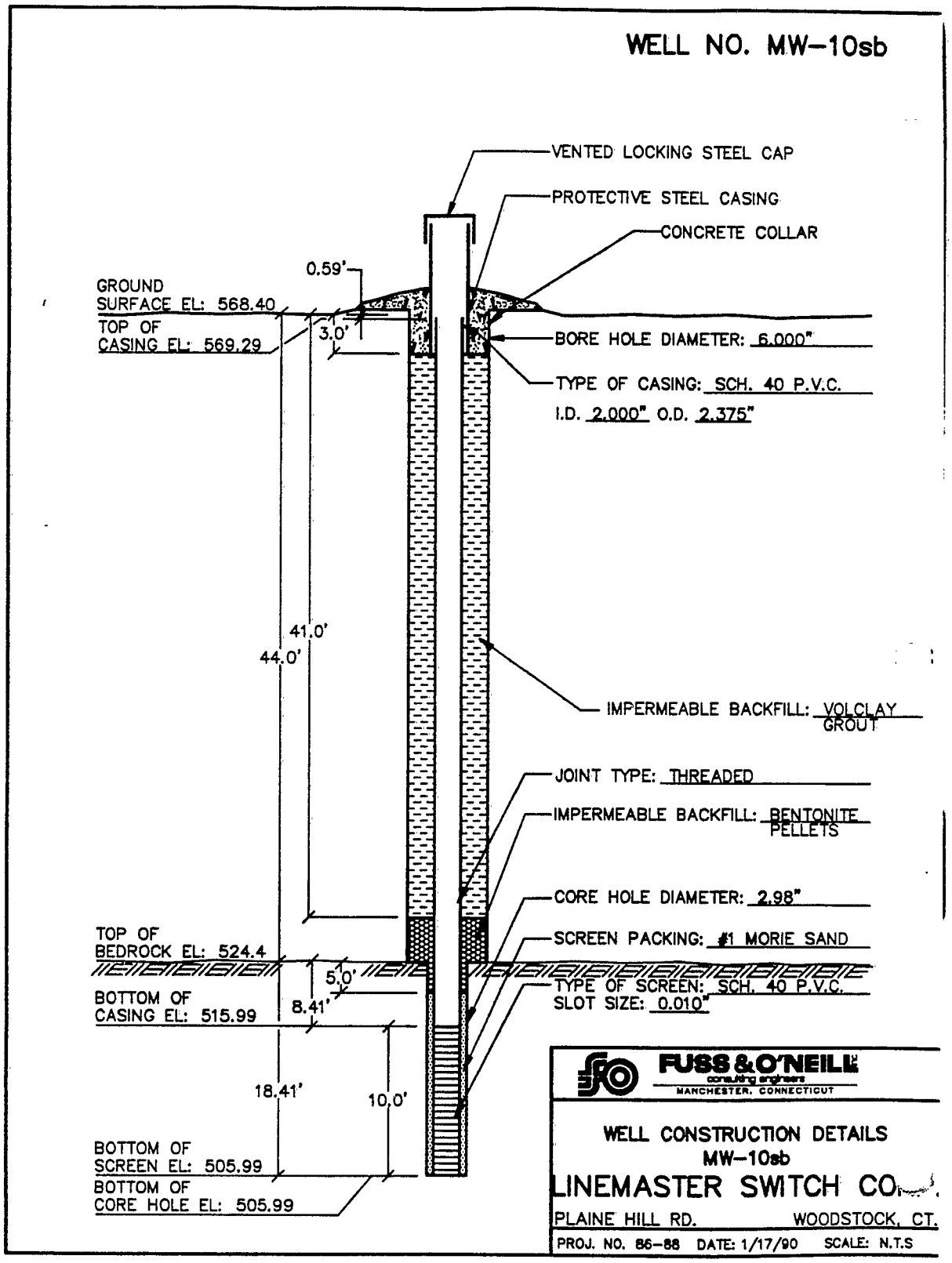
Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite**

Attach Maps and Plans Required of G.l.j. and G.4.



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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0188

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-11t
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 491.4
DATE STARTED 01/08/90 DATE FINISHED 01/08/90

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	4/12	5 3 2 2	Loose	Forest litter and silty loam, dark brown; trace F sand, light brown.		0 ppm	
2.0										2.0
4.0		S-1	5-7	24/24	5 9	Medium	Sand, VF-F; silt, clay; trace gravel; gray to light gray. (Till).	SM	0 ppm	4.0
6.0					9 16	Dense				6.0
8.0										8.0
10.0		S-2	10-12	24/18	6 10 16 20	Medium Dense	Sand, VF-F; silt, clay; trace gravel; gray to light gray, slightly moist.	SM	0 ppm	10.0
12.0										12.0
14.0		S-3	15-17	24/18	7 16	Medium	Sand, VF-F; silt, clay; trace gravel; gray to light gray, wet. (Till).	SM	1 ppm	14.0
16.0					20 28	Dense				16.0
18.0										18.0
20.0		S-4	20-22	24/18	13 40 23 26	Very Dense	Sand, VF-F; silt, clay; trace gravel; gray to light gray, wet. Very compact.	SM	1 ppm	20.0
22.0										22.0
24.0		S-5	25-27	24/18	10 16	Very	Sand, VF-F; silt, clay; trace gravel; trace rock fragments; gray to	SM	1 ppm	24.0
26.0					20 42	Dense	light gray. (Till).			26.0
28.0		S-6	28.5	2/2	50 (0.1")	-	Refusal. End of Boring at 28.5 ft.	-	0 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 28.5
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

REMARKS:
FIELD INSTRUMENT= Photoionization Analyzer, Model HW101

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-11t

perfill\wellog04

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 019

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 020

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-11t**

Date of Completion: **1/8/90**

DEP/WPC I.D.:

Monitoring Point Location: **Northeastern Boundary**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Mark Annitto

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **491.41**

Well Depth Below Ground Surface: **28.04 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **493.48**

Screened Interval: **18.04 - 28.04 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **20.11 ft.**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **x**

Screen Packing: Yes **x** No:

If Yes, Thickness: **14 FT.**

Well Inside Diameter: **2"**

Material: **Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Shedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge block and bailing

Time Spent Developing; **0.5 hour**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0121

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

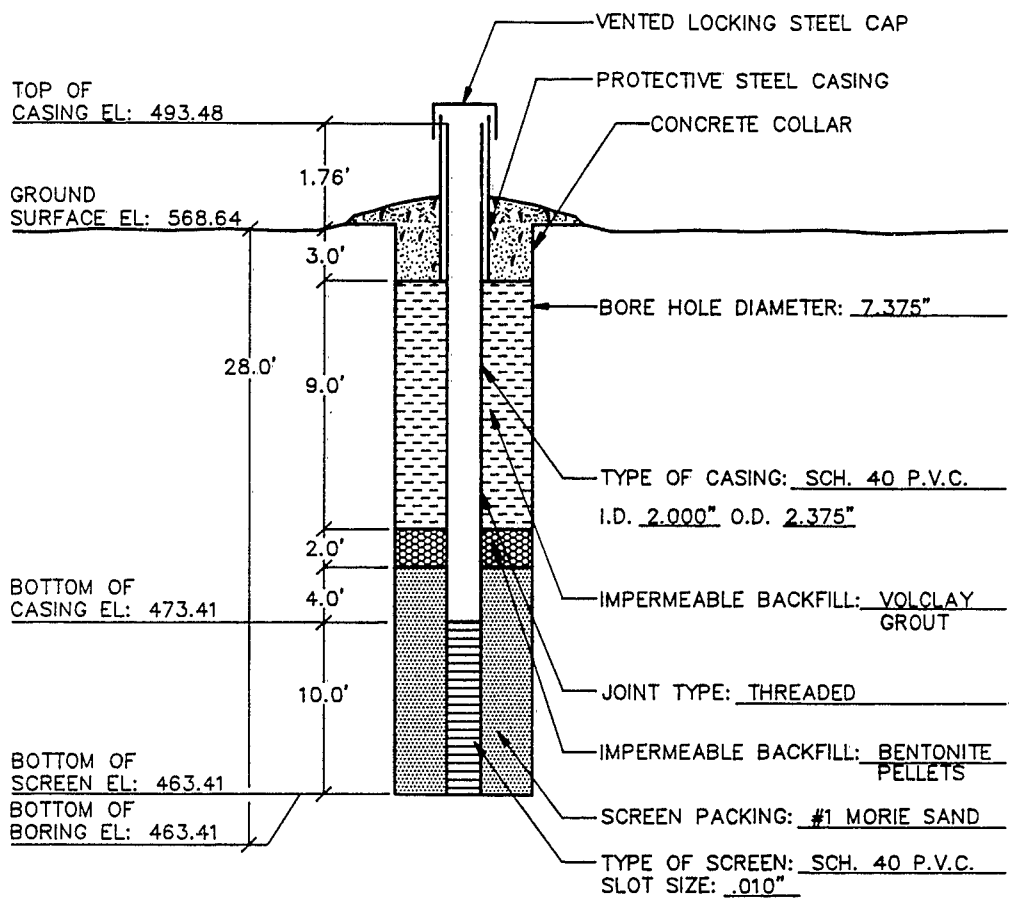
Inferred Relationship to Plume; Within Outside **X** Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-11t



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-11t
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 1/18/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 022

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-11sb SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Sima Drilling Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 491.5
DATE STARTED 01/08/90 DATE FINISHED 01/10/90

DRILLING METHOD HSA / Air Rotary / Rock Corer
SAMPLING METHOD Rock Corer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
0.0							0-28': No sampling required, see MW-11t for lithologic description.			0.0
							End of Boring at 44.5 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 25
LITTLE 10 TO 20%	Rotary Bit	25 - 29.5
SOME 20 TO 35%	Rock Corer	29.5 - 44.5
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-11sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
023

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT.

BORING NO. MW-11sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 1/8/90 DATE FINISHED: 1/10/90
DRILLER: Ray Sima GROUND ELEVATION: 491.54
CORING METHOD: NX Core CORE DIAMETER: 2 1/4"
FUSS & O'NEILL REPRESENTATIVE: Mark Annitto

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
29.5	NX Core	1 5 60	2	0	1/10 2/12 3/9	Spaced Non-planar and planar Jagged Iron staining and some clay	Hebron formation F-M grained, thinly layered biotite-quartz-andesine schist some granite sills schist weathered.	
34.5	NX Core	2 5	9"	0	1/5 2/12 3/16 4/8 5/5	Spaced Non-planar and planar Some jagged Iron staining, clay	Same.	
39.5	NX Core	3 5	2.5"	35	1/3 2/9 3/10 4/5 5/7 1	Spaced Non-planar, planar, vertical Some jagged Iron staining, clay	Same, less weathered.	
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 024

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-11sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	3	0	0%	60%
2	5	4.3	0	0%	86%
3	5	4.8	1.74	35%	96%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0225

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-11sb**

Date of Completion: **1/10/90**

DEP/WPC I.D.:

Monitoring Point Location: **Northeastern boundary**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Mark Annitto**

Well Construction Method: **Hollow Stem Auger, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **491.54**

Well Depth Below Ground Surface: **43.72 ft.**

Top of Steel Casing Elevation (MSL): **493.58**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **493.36**

Screened Interval: **33.72 - 43.72 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **35.54 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12.3 ft.**

Well Inside Diameter: **2"**

Material: **Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge block and Bail

Time Spent Developing: **1.8 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 029

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0021

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **45.54 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **30 to 42 ft.**

Length of Rock Cores: **15 ft.**

Diameter of Core Hole: **3 in.**

Thickness and Depth of Impermeable Backfill: **31.5 to 42.8 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

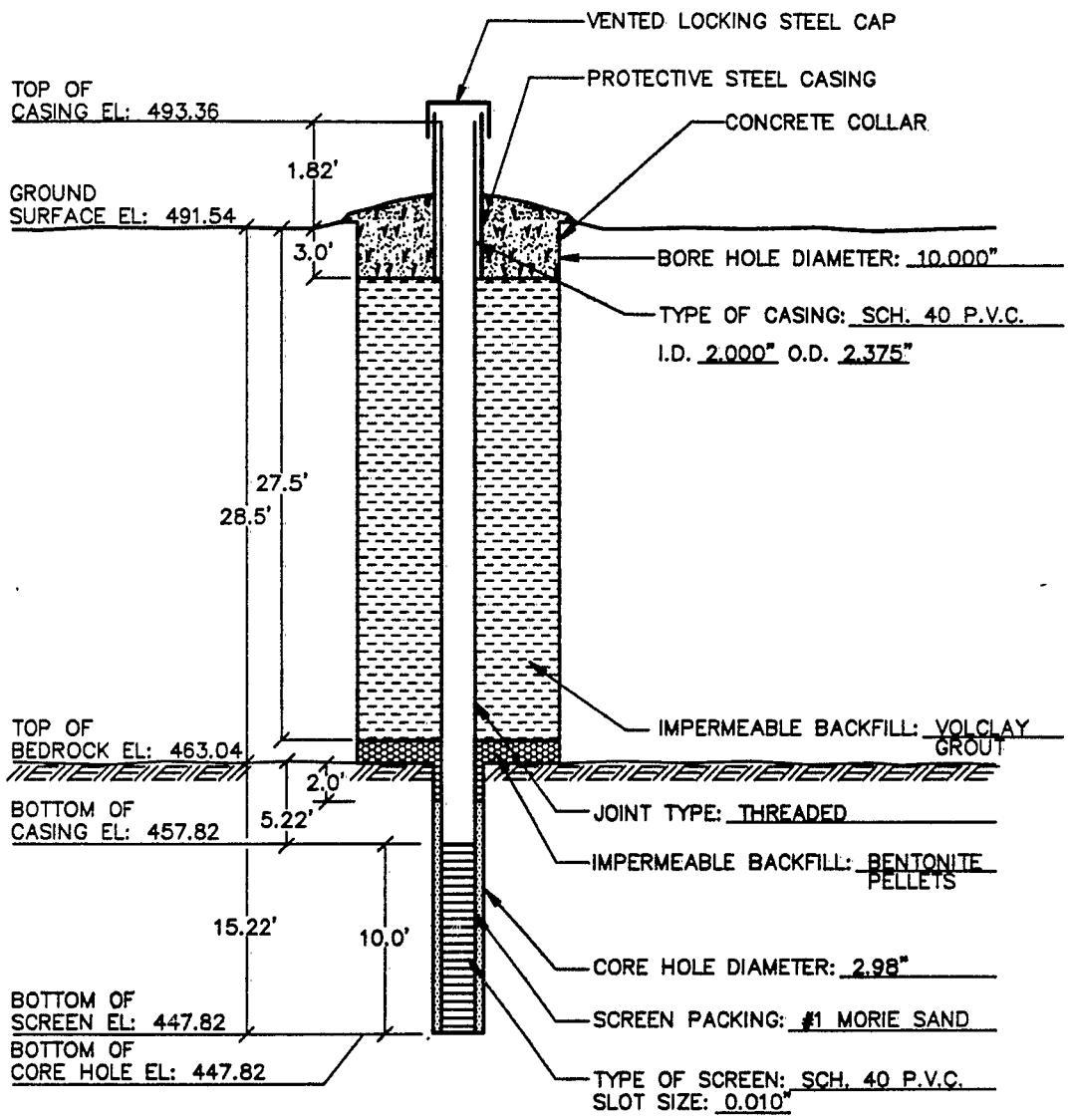
Inferred Relationship to Plume; Within Outside Edge X

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-11sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-11sb
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 1/11/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0208

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-11db SHEET 1 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Across Rt 169 from Town Hall
GROUND ELEVATION 489.2
DATE STARTED 05/08/91 DATE FINISHED 05/08/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
45.0	3 min	0-20': TILL, schist @ 20 ft. SCHIST, trace stained pieces	Fracture at 43 ft. and 45 ft.			45.0
50.0	3 min	SCHIST, trace stained pieces	Soft at 50 ft. and 52 ft.			50.0
55.0	2.5 min	SCHIST, little stained pieces	Fracture at 55 ft.			55.0
60.0	3 min	SCHIST				60.0
65.0	3 min	SCHIST				65.0
70.0	3 min	SCHIST				70.0
75.0	4 min	SCHIST				75.0
80.0	3 min	SCHIST	Fracture at 81 ft., some water		0 ppm	80.0
85.0	3 min	SCHIST				85.0
90.0	3 min	SCHIST				90.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit with mud	0 - 40
LITTLE 10 TO 20%	Air Rotary/	
SOME 20 TO 35%	Air Hammer	40 - 250
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-11db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 029

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-11db SHEET 2 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Across Rt 169 from Town Hall
GROUND ELEVATION 489.2
DATE STARTED 05/08/91 DATE FINISHED 05/08/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
95.0	3 min	SCHIST				95.0
100.0	2.5 min	SCHIST				100.0
105.0	3 min	SCHIST				105.0
110.0	3 min	SCHIST				110.
115.0	4 min	SCHIST				115.0
120.0	4 min	SCHIST				120.0
125.0	4 min	SCHIST				125.0
130.0	4 min	SCHIST				130.0
135.0	4 min	SCHIST				135.0
140.0	4 min	SCHIST				140.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-11db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0309

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-11db SHEET 3 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Across Rt 169 from Town Hall
GROUND ELEVATION 489.2
DATE STARTED 05/08/91 DATE FINISHED 05/08/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
145.0	4 min	SCHIST				145.0
150.0	4 min	SCHIST, trace granitic				150.0
155.0	4 min	SCHIST, some granitic / quartz fragments				155.0
160.0	4 min	SCHIST, trace granitic fragments				160.0
165.0	4 min	SCHIST, trace granitic fragments				165.0
170.0	4 min	SCHIST				170.0
175.0	4 min	SCHIST, little granitic (dark gray)				175.0
180.0	4 min	SCHIST				180.0
185.0	5 min	SCHIST				185.0
190.0	5 min	SCHIST				190.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-11db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 03 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-11db SHEET 4 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Across Rt 169 from Town Hall
GROUND ELEVATION 489.2
DATE STARTED 05/08/91 DATE FINISHED 05/08/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
195.0	4 min	SCHIST				195.0
				.75 gpm		
200.0	4 min	SCHIST				200.0
205.0	4 min	SCHIST				205.0
210.0	4 min	SCHIST				210..
215.0	4 min	SCHIST				215.0
220.0	4 min	SCHIST				220.0
225.0	4 min	SCHIST				225.0
230.0	4 min	SCHIST				230.0
235.0	4 min	SCHIST				235.0
240.0	4 min	SCHIST				240.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-11db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0320

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-11db SHEET 5 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Across Rt 169 from Town Hall
GROUND ELEVATION 489.2
DATE STARTED 05/08/91 DATE FINISHED 05/08/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
245.0	4 min	SCHIST				245.0
				.75 gpm		
250.0	4 min	SCHIST				250.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-11db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0333

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-11db**

Date of Completion: **5/8/91**

DEP/WPC I.D.:

Monitoring Point Location: **Across Rt 169 from Town Hall**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **489.18**

Well Depth Below Ground Surface: **250 ft.**

Top of Steel Casing Elevation (MSL): **490.16**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **40 - 250 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **40 - 42 ft.**

Screen Type:

Screen Slot Size: **N/A**

Filter Fabric: Yes No X

Screen Packing: Yes No: X

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Surge and Bail

Time Spent Developing: **1.5 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout, Hole Plug

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0394

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **40 - 42 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **43 ft., 45 ft., 50 ft., 52 ft., 55 ft., 81 ft., Total Yield = .75 gpm**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill: **0 - 40 ft. Volclay Grout**

O-ring Seals: Yes: No: X

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within X Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 035

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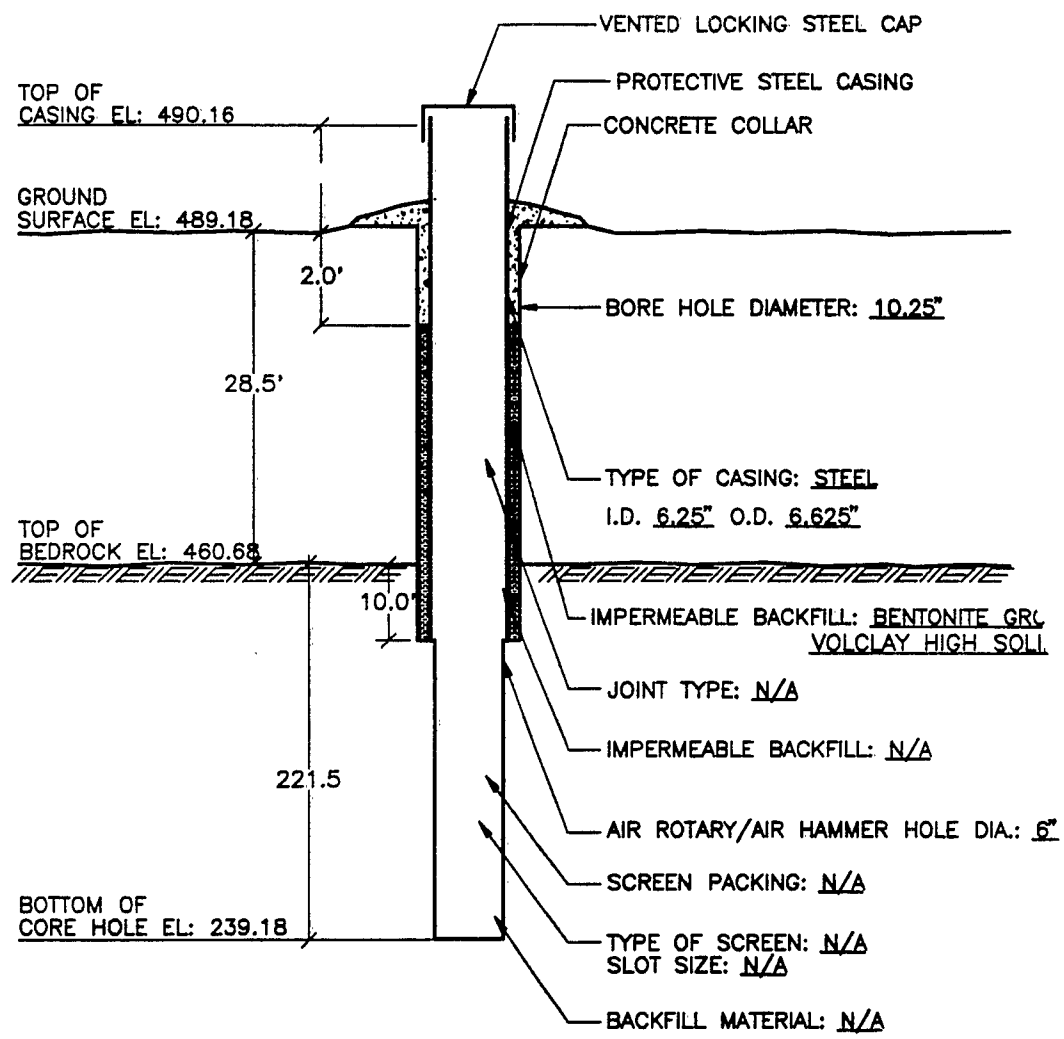
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0356

WELL NO. MW-11db



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-11db
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/1/91 SCALE: N.T.S

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-12t
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Sima Drilling Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 453.9
DATE STARTED 01/10/90 DATE FINISHED 01/10/90

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-2	-	-	Loose	Forest litter and silty loam; fill; dark brown.	-	0 ppm	0.0
5.0		S-1	5-7	24/24	5 10	Medium	SAND, VF-F; some silt; clay and gravel; multicolored, wet.	SM	0 ppm	5.0
					10 8	Dense				
10.0		S-2	10-12	24/24	7 5 7 13	Medium Dense	SAND, VF-C; trace rock fragments; light brown, wet.	SP	0 ppm	10.0
15.0		S-3	15-17	24/24	8 8	Medium	SAND, VF-C, light brown, wet. 1 foot layer of silty sand between	SM	0 ppm	15.0
					9 17	Dense	15 and 16 feet. Refusal at 17 ft. End of Boring at 17 ft.			
20.0										20.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 17
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= Photoionization Analyzer, Model HW101

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-12t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0371

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-12t**

Date of Completion: **1/10/90**

DEP/WPC I.D.:

Monitoring Point Location: **Adjacent to Eastern Pond**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Mark Annitto

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **453.93**

Well Depth Below Ground Surface: **16.74 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL): **455.51**

Screened Interval: **6.74 to 16.74 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **8.32 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge block and Bail

Time Spent Developing: **.5 hour**

Locking X or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0338

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0399

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

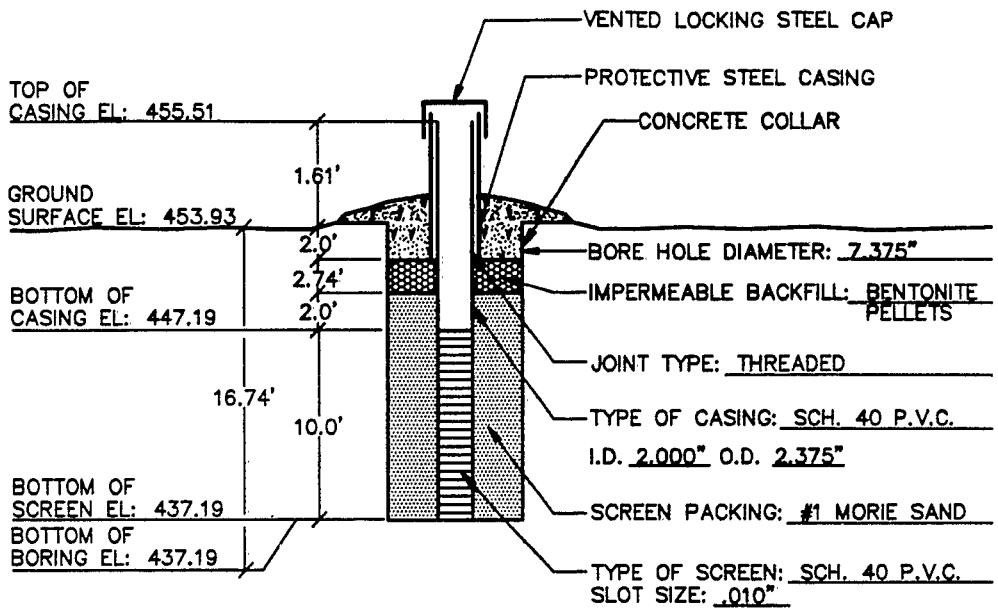
Inferred Relationship to Plume; Within Outside X Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-12t



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-12t
LINEMASTER SWITCH CO.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 1/10/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0490

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-12sb
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Sima Drilling Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 453.8
DATE STARTED 01/10/90 DATE FINISHED 01/11/90

DRILLING METHOD HSA / Rotary Bit / Rock Corer
SAMPLING METHOD Rock Corer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0							0-20.5': No sampling required, see MW-12t for lithologic description.			0.0
							End of Boring at 34.5 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 -17
LITTLE 10 TO 20%	Rotary Bit	17 - 20.5
SOME 20 TO 35%	Rock Corer	20.5 - 34.5
AND 35 TO 50%		

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REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-12sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0411

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0472

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-12sb**

Date of Completion: **1/11/90**

DEP/WPC I.D.:

Monitoring Point Location: **Near Eastern Boundary**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Mark Annitto**

Well Construction Method: **Hollow Stem Auger, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **453.80**

Well Depth Below Ground Surface: **33.99 ft.**

Top of Steel Casing Elevation (MSL): **455.75**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **455.73**

Screened Interval: **23.99 - 33.99 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **25.92 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12.5 ft.**

Well Inside Diameter: **2"**

Material: **Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge block and Bail

Time Spent Developing: **1.75 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 043

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **35.92 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **23 to 33 ft.**

Length of Rock Cores: **15 ft.**

Diameter of Core Hole: **3 in.**

Thickness and Depth of Impermeable Backfill: **21.5 to 33 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

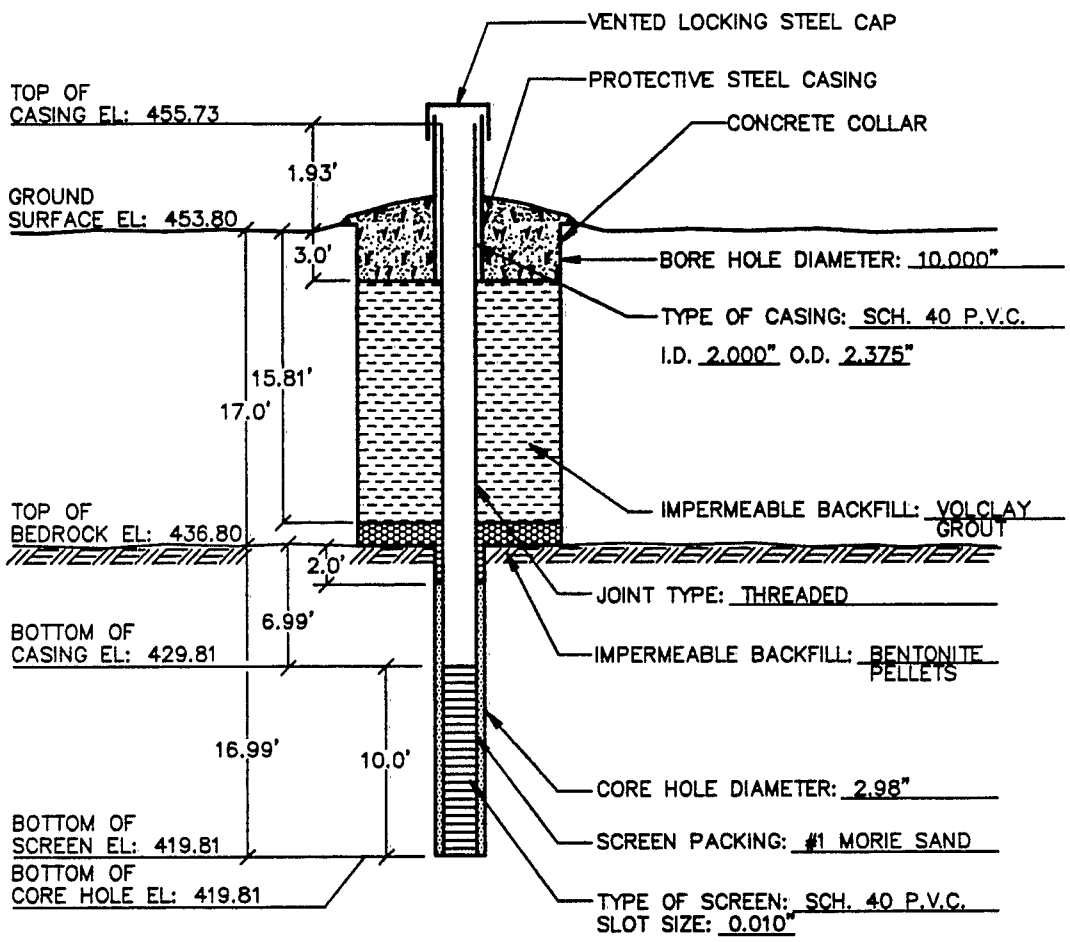
Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-12sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-12sb
LINEMASTER SWITCH CO.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 1/11/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0444

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-12db SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Jim Olsen

BORING LOCATION Near East Pond 1
GROUND ELEVATION 454.0
DATE STARTED 12/18/89 DATE FINISHED 12/19/89

DRILLING METHOD Air Rotary / Ari Hammer
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0							0-10': TILL, gray.			0.0
10.0							10': TILL, red, wet. Bedrock at 17 ft. Weathered schist. Fast drilling rate.			10.0
20.0										20.0
30.0										30.0
40.0							48': COMPETENT ROCK. Slower drilling rate.			40.0
50.0										50.0
60.0							WHITE DRILL CUTTINGS.			60.0
70.0							GRANITE SILL.			70.0
80.0										80.0
90.0							COMPETENT SCHIST. Water yielding fractures 92-95 ft.			90.0
100.0										100.0
110.0										110.0
120.0										120.0
130.0										130.0
140.0							Water yielding fractures 141-143 ft.			140.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Air Rtoary	0 - 25
LITTLE	10 TO 20%	Air Hammer	25 - 200
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= HNu (all readings are 0 ppm)

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-12db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0465

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-12db SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Jim Olsen

BORING LOCATION Near East Pond 1
GROUND ELEVATION 454.0
DATE STARTED 12/18/89 DATE FINISHED 12/19/89

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
150.0										150.0
160.0										160.0
170.0										170.0
180.0										180.0
190.0										190.0
200.0							End of Exploration at 200 ft.			200.

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:

FIELD INSTRUMENT= HNu (all readings are 0 ppm)

Depth to water 35 ft.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-12db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0465

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-12db**

Date of Completion: **12/20/89**

DEP/WPC I.D.:

Monitoring Point Location: **Near East Pond 1**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Jim Olsen

Well Construction Method: **Roller Bit, Air Rotary**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **453.95**

Well Depth Below Ground Surface: **201 ft.**

Top of Steel Casing Elevation (MSL): **455.08**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL):

Screened Interval: **25 - 201 ft.**

Length of Screen: **N/A**

Length of Riser Pipe: **26.13 ft.**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No X

Screen Packing: Yes No:

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:
Volclay Grout

Well Casing Material and Schedule:
Steel

Estimated K Screened Interval:

Method of Well Development:
Jetting

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0471

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **26.13 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **25 to 201.1 ft.**

Length of Rock Cores: **184.1 ft.**

Diameter of Core Hole: **6 in.**

Thickness and Depth of Impermeable Backfill: **25 ft., 0 to 25 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 0488

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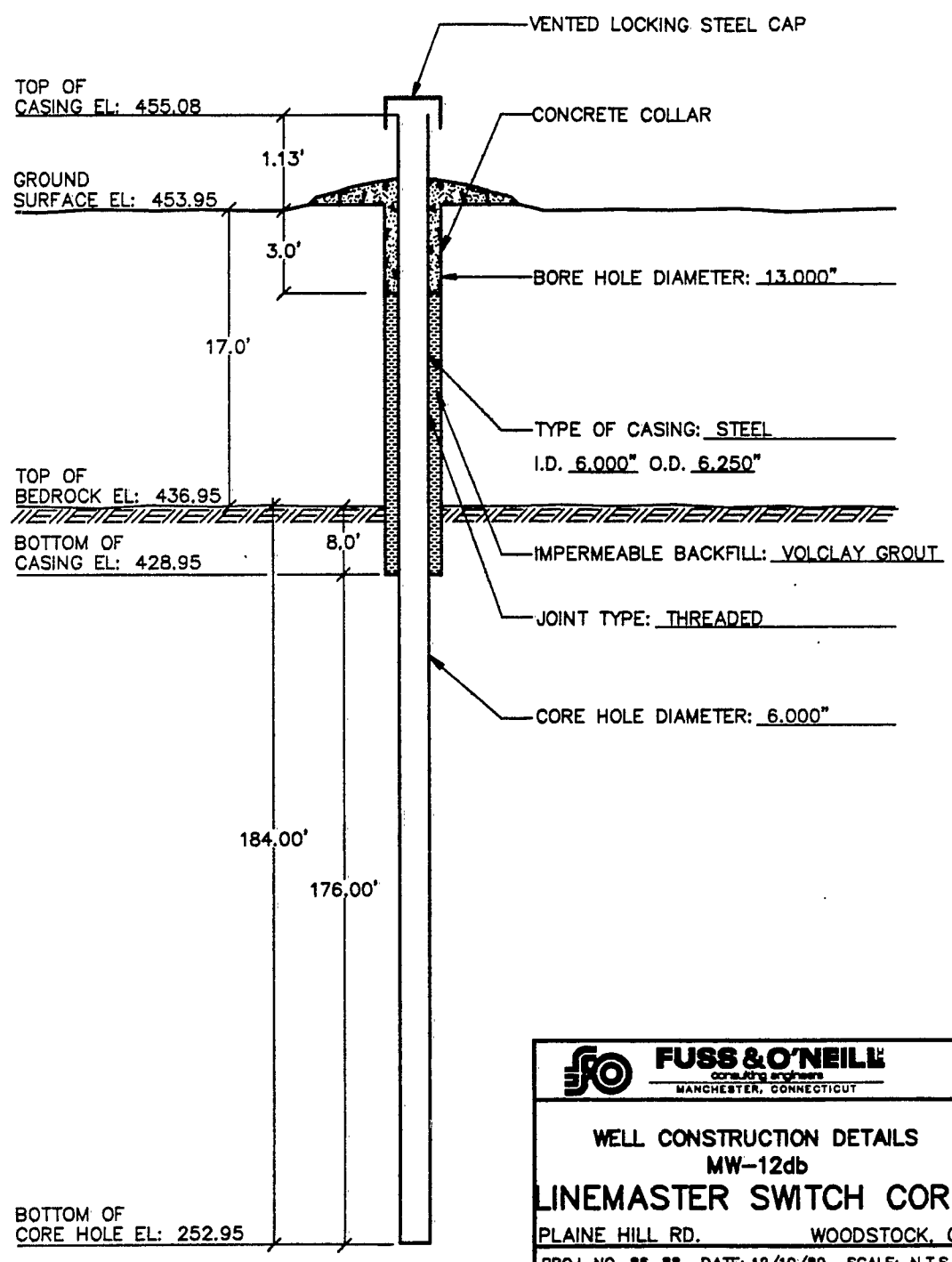
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
049

WELL NO. MW-12db



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-12db
LINEMASTER SWITCH CORP
PLAINE HILL RD. WOODSTOCK, CT
PROJ. NO. 86-88 DATE: 12/19/89 SCALE: N.T.S

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-13db
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE Jim Olsen

BORING LOCATION Near corporate offices
GROUND ELEVATION 540.2
DATE STARTED 12/21/89 DATE FINISHED 12/21/89

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0							0-5': TILL, red. Bedrock at 5 ft.			0.0
10.0							GRANITE PEGMATITE ROCK CUTTINGS, relatively unweathered rock. Slow drilling.			10.0
20.0										20.0
30.0										30.0
40.0										40.0
50.0										50.0
60.0							Water yielding fractures 68-75 ft.			60.0
70.0										70.0
80.0										80.0
90.0										90.0
100.0										100.0
110.0										110.0
120.0										120.0
130.0							GRANITE PEGMATITE ROCK CUTTINGS. Slow drilling.			130.0
140.0										140.0

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

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BORING METHOD	DEPTH
Air Rotary	0 - 19
Air Hammer	19 - 300

REMARKS:
FIELD INSTRUMENT= HNu (all readings are 0 ppm)

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-13db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0550

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-13db
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE Jim Olsen

BORING LOCATION Near corporate offices
GROUND ELEVATION 540.2
DATE STARTED 12/21/89 DATE FINISHED 12/21/89

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
150.0										150.0
160.0										160.0
170.0										170.0
180.0										180.0
190.0							ROCK, relatively unfractured.			190.0
200.0										200..
210.0										210.0
220.0										220.0
230.0										230.0
240.0							GRANITE PEGMATITE ROCK CUTTINGS. Slow drilling.			240.0
250.0										250.0
260.0										260.0
270.0										270.0
280.0										280.0
290.0							End of Exploration at 300 ft.			290.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= HNu (all readings are 0 ppm)
Depth to water 60 ft.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-13db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0551

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-13db**

Date of Completion: **12/21/89**

DEP/WPC I.D.:

Monitoring Point Location: **Near Linemaster Offices**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Jim Olsen**

Well Construction Method: **Roller Bit, Air Rotary**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **540.24**

Well Depth Below Ground Surface: **300 ft.**

Top of Steel Casing Elevation (MSL): **540.83**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL):

Screened Interval: **19 to 300 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **19.59 ft.**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No **X**

Screen Packing: Yes No:

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:
Volclay Grout

Well Casing Material and Schedule:
Steel

Estimated K Screened Interval:

Method of Well Development:
Jetting

Time Spent Developing: **2 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:

LIN002 0552

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0553

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **19.59 ft.**

Water-Bearing Rock Unit: **Granite-pegmatite**

Water-Bearing Sections (Depths and Approximate Yields): **19 to 300 ft.**

Length of Rock Cores: **295 ft.**

Diameter of Core Hole: **6 in.**

Thickness and Depth of Impermeable Backfill: **19 ft., 0 to 19 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

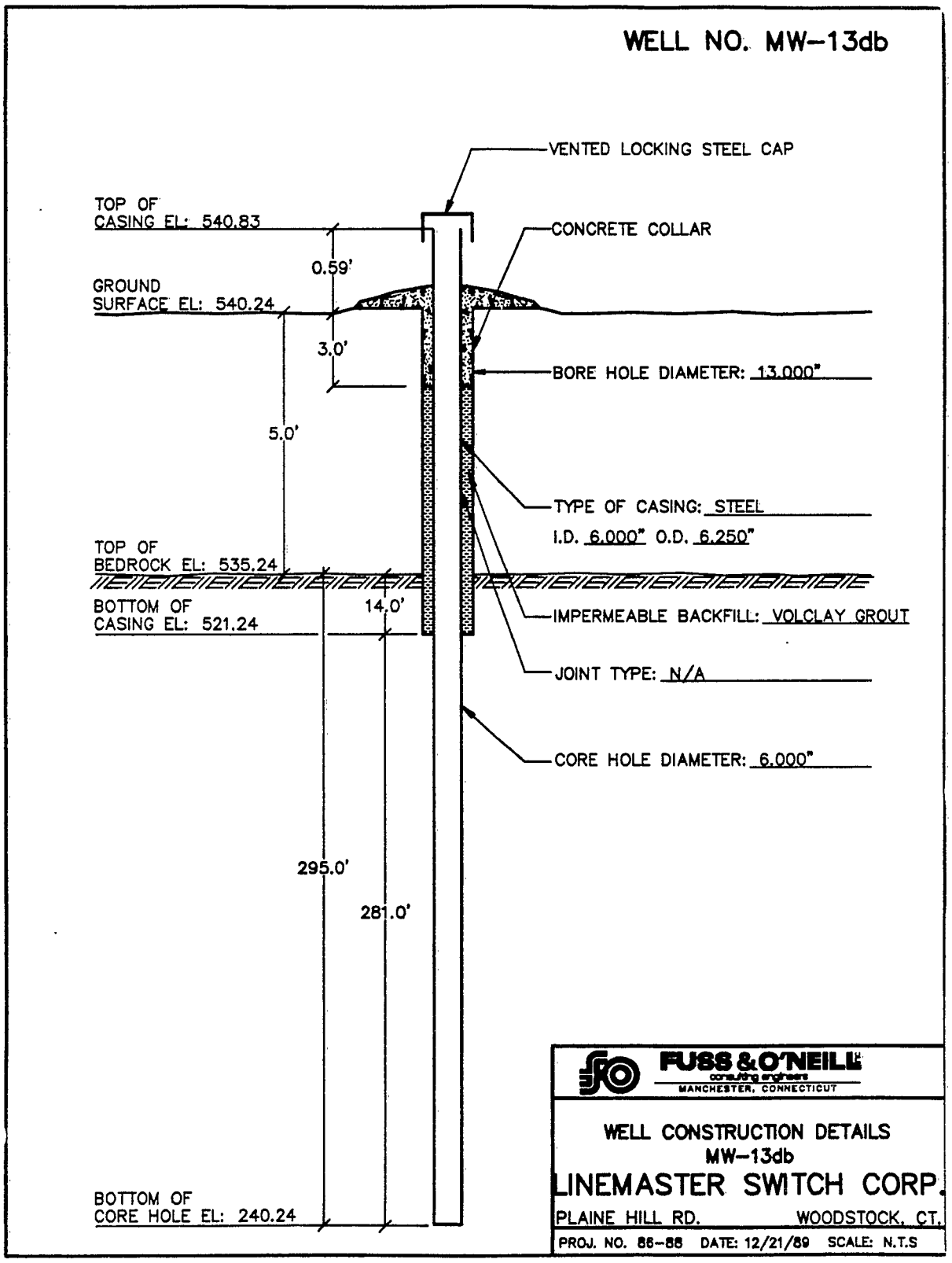
Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Granite-pegmatite**

Attach Maps and Plans Required of G.l.j. and G.4.



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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0054

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-14sb
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Sima Drilling Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 439.7
DATE STARTED 01/15/90 DATE FINISHED 01/15/90

DRILLING METHOD HSA / Rotary Bit / Rock Corer
SAMPLING METHOD Split Spoon / Rock Corer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0							TOPSOIL; clayey silt.	-	0 ppm	0.0
5.0		S-1	5-7	24/24	7 12 31 25		SAND, VF-C; some silt and clay; medium brown, moist.	SM	0 ppm	5.0
10.0		S-2	10-12	.4/.4	50 (.4")		SAND, VF-C; trace rock fragments; medium brown, moist.	SP	0 ppm	10.0
							Refusal at 11 ft.			
15.0										15.0
20.0										20.0
25.0										25.0
							End of Boring at 26 ft.			

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

BORING METHOD	DEPTH
HSA	0 - 9.5
Rotary Bit	9.5 - 11
Rock Corer	11 - 26

REMARKS:
FIELD INSTRUMENT= Photoionization Analyzer, Model HW101

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-14sb

perfill\wellog04

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0555

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-14sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 1/15/90 DATE FINISHED: 1/15/90
DRILLER: Ray Sima GROUND ELEVATION: 439.72
CORING METHOD: NX Core CORE DIAMETER: 2 1/4"
FUSS & O'NEILL REPRESENTATIVE: Mark Annitto

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
11	NX Core	1 5' 96	0.2	34	1/10 2/4 3/8 4/5 5/7	Semi-tight Planar & Non planar Granite jagged Iron staining, some clay	Hebron Formation F-M grained, thinly layered Biotite-Quartz-Andesine schist Some granite sills 1-2" thick	
16	NX Core	2 5' 100	0	67	1/4 2/2 3/2 4/1 5/7	Same	Same	
21	NX Core	3 5' 94	0.3	48	1/3 2/2 3/5 4/8 5/7	Same	Same	
26								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 059

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-14sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	4.8	1.69	34%	96%
2	5	5	3.35	67%	100%
3	5	4.7	2.38	48%	94%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 057

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 5 8

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-14sb**

Date of Completion: **1/15/90**

DEP/WPC I.D.:

Monitoring Point Location: **Southern portion of property**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Mark Annitto**

Well Construction Method: **Hollow Stem Auger, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **439.72**

Well Depth Below Ground Surface: **25.49 ft.**

Top of Steel Casing Elevation (MSL): **441.41**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **441.35**

Screened Interval: **15.49 - 25.49 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **17.12 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness:

Well Inside Diameter: **2"**

Material: **Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge block and Bail

Time Spent Developing: **1.25 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 059

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **27.12 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **13 to 24.5 ft.**

Length of Rock Cores: **15 ft.**

Diameter of Core Hole: **3 in.**

Thickness and Depth of Impermeable Backfill: **13 to 24.5 ft.**

O-ring Seals: Yes: No: X

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

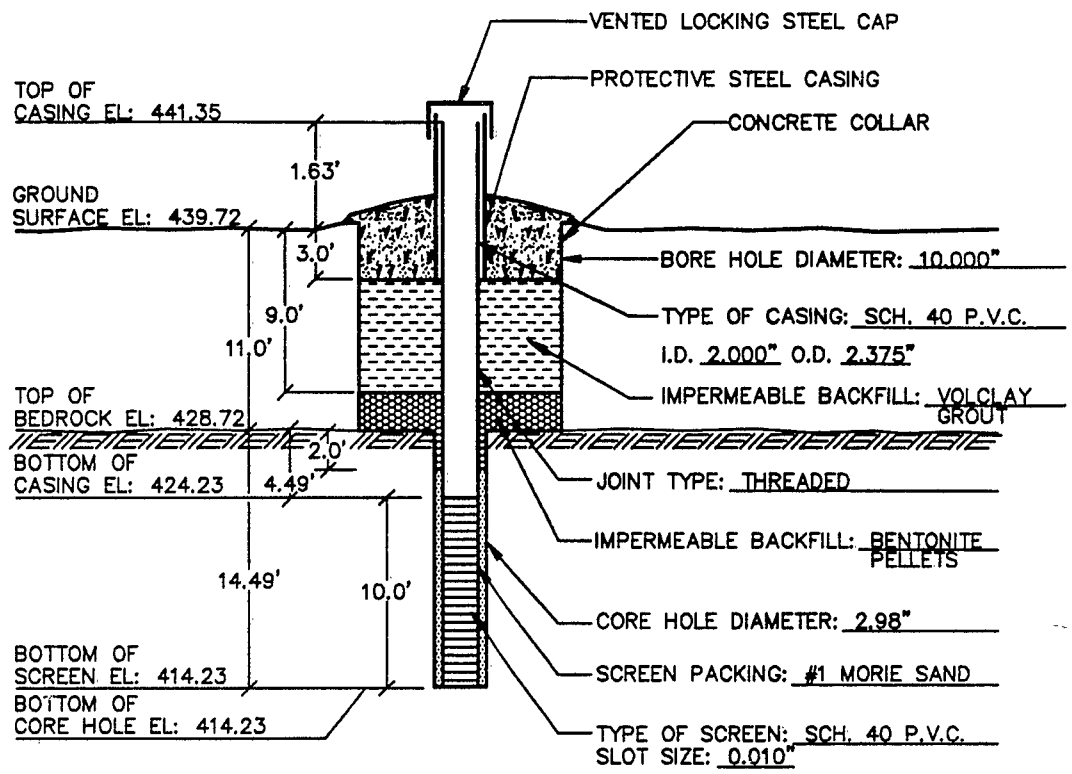
Inferred Relationship to Plume; Within Outside Edge X

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-14sb



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-14sb

LINEMASTER SWITCH CORP.

PLAINE HILL RD. WOODSTOCK, CT.

PROJ. NO. 86-88 DATE: 1/15/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0060

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-14db SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE Jim Olsen

BORING LOCATION North of South Pond
GROUND ELEVATION 439.8
DATE STARTED 12/19/89 DATE FINISHED 12/20/89

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0							0-11': TILL, red.			0.0
10.0							Bedrock at 11 ft. 11': SCHIST, weathered. Fast drilling.			10.0
20.0							18': COMPETENT SCHIST ROCK CUTTINGS. Slower drilling.			20.0
30.0										30.0
40.0										40.0
50.0							Fracture at 50 ft.			50.0
60.0							WHITE ROCK CUTTINGS. GRANITE PEGMATITE SILL.			60.0
70.0										70.0
80.0							Water yielding fracture at 85-90 ft.			80.0
90.0										90.0
100.0							Water yielding fracture at 105 ft.			100.0
110.0										110.0
120.0										120.0
130.0										130.0
140.0							SCHIST ROCK CUTTINGS. Slow drilling.			140.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Air Rotary	0 - 24
LITTLE	10 TO 20%	Air Hammer	24 - 200
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= HNu (all reading are 0 ppm)

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-14db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 9 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-14db SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE Jim Olsen

BORING LOCATION North of South Pond
GROUND ELEVATION 439.8
DATE STARTED 12/19/89 DATE FINISHED 12/20/89

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
150.0										150.0
160.0										160.0
170.0										170.0
180.0							Large set of water yielding fractures at 180 ft.			180.0
190.0										190.0
200.0							End of Exploration at 200 ft.			200.0
									Yield= 20 gpm	

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:

FIELD INSTRUMENT= HNu (all readings are 0 ppm)

Depth to water 21 ft.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-14db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0962

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0563

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-14db**

Date of Completion: **12/20/89**

DEP/WPC I.D.:

Monitoring Point Location: **South of factory**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Jim Olsen

Well Construction Method: **Roller Bit, Air Rotary**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **439.76**

Well Depth Below Ground Surface: **200.75 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No:

Top of PVC Casing Elevation (MSL): **442.35**

Screened Interval: **24 - 200.75 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **26.59 ft.**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No **X**

Screen Packing: Yes No:

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:
Volclay Grout

Well Casing Material and Schedule:
Steel

Estimated K Screened Interval:

Method of Well Development:
Jetting

Time Spent Developing: **2 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **26.59 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **85-90 ft., 105 ft., 180 ft.**
Total yield = 20 gpm

Length of Rock Cores: **189.75 ft.**

Diameter of Core Hole: **6 in.**

Thickness and Depth of Impermeable Backfill: **24 ft., 0 to 24 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 0954

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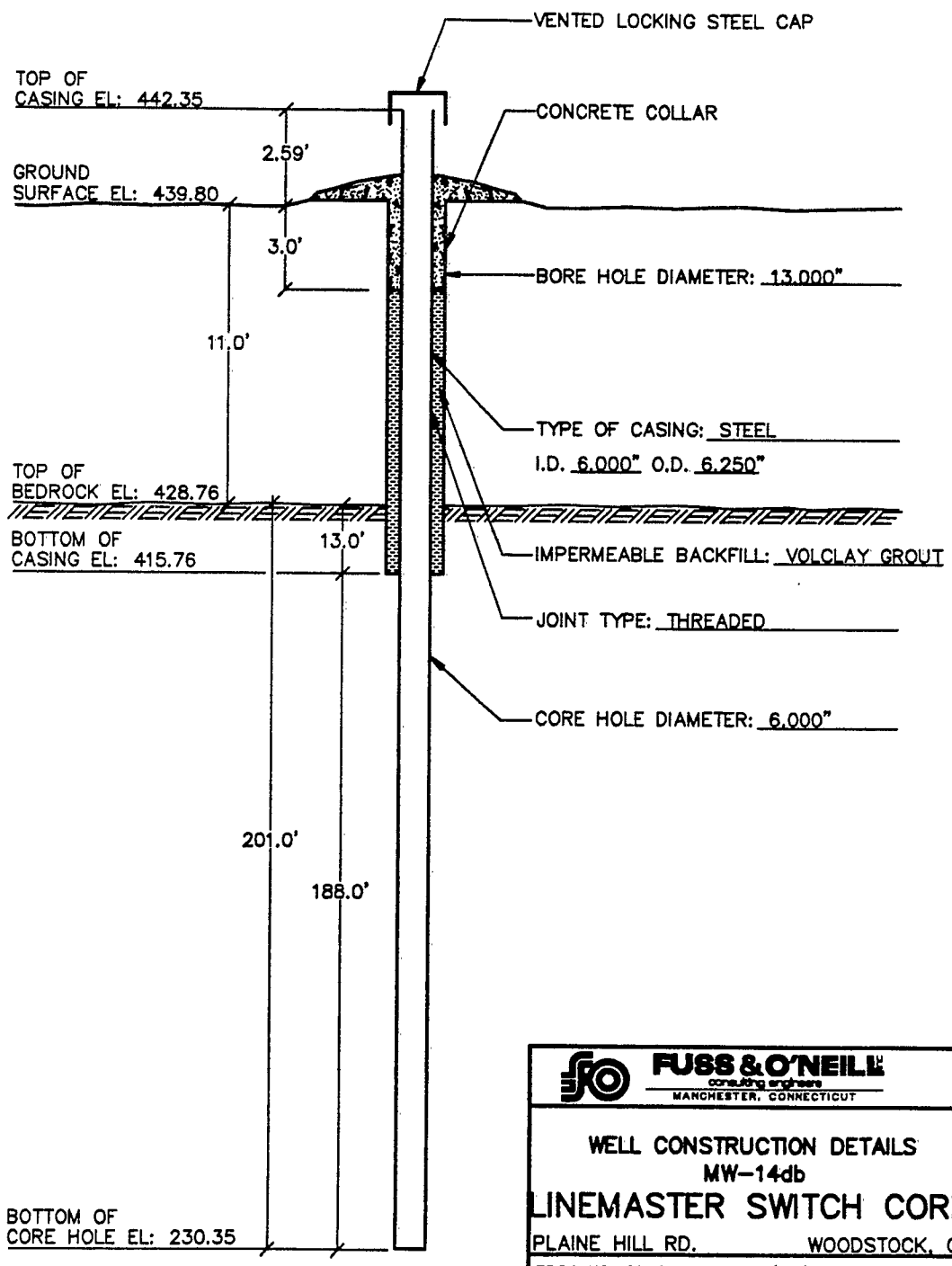
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0955

WELL NO. MW-14db



FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WELL CONSTRUCTION DETAILS
MW-14db

LINEMASTER SWITCH CORP

PLAINE HILL RD. WOODSTOCK, CT

PROJ. NO. 86-88 DATE: 12/20/89 SCALE: N.T.S

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15t SHEET 1 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION North of Blakely residence
GROUND ELEVATION 552.9
DATE STARTED 04/16/91 DATE FINISHED 04/23/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 147 lbs HAMMER FALL (IN) 30"

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		S-1	0-2	2.0/1.5	11 10 9 9	Medium Dense	LOAM; clay and silt; grayish brown (5YR 3/2), moist. (Till).		0.1 ppm	
5.0	--	S-2	5-6	2.0/1.0	11 22 23 24	Very Dense	Silt and clay; trace F sand; few angular pebbles; dark yellowish brown (10YR 4/2). (Till).		0.2 ppm	5.0
10.0	-	S-3	10-11	2.0/1.0	6 22 28 18	Very Dense	Clay and silt; some VF sand; some angular pebbles; dark yellowish brown (10YR 4/2). (Till).		0.2 ppm	10.0
15.0	--	S-4	15-17	2.0/2.0	4 8 20 15	Very Dense	Clay and silt; some VF sand; little angular pebbles; light olive gray (5Y 6/1) to dark yellowish brown (10YR 4/2), moist. (Till).		0.2 ppm	15.0
20.0		S-5	20-21.5	2.0/1.5	5 11 12 12	Dense	Clay and silt; trace VF sand; few angular pebbles; olive gray (5Y 3/2), wet. (Till).		0.2 ppm	20.0
25.0		S-6	25-27	2.0/2.0	5 7 9 12	Dense	Clay and silt; trace VF sand; few angular pebbles; grayish green (10GY 5/2), wet. (Till).		0.1 ppm	25.0
30.0		S-7	30-31	2.0/1.0	3 6 12 10	Dense	Clay and silt; trace VF sand; few angular pebbles; grayish green (10GY 5/2), wet. (Till).		0.1 ppm	30.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 76.5
LITTLE	10 TO 20%	Spin 4" Casing	76.5 - 94.0
SOME	20 TO 35%	Roller Bit	76.5 - 94.0
AND	35 TO 50%	NX Core	94.0 - 138.0

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0559

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15t SHEET 2 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION North of Blakely residence
GROUND ELEVATION 552.9
DATE STARTED 04/16/91 DATE FINISHED 04/23/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 147 lbs HAMMER FALL (IN) 30"

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
35.0		S-8	35-36.5	2.0/1.5	9 7 16 9	Dense	Clay and silt; grayish olive green (5GY 3/2). (Till).		0.5 ppm	35.0
40.0		S-9	40-42	2.0/2.0	5 5 9 12	Dense	Clay and silt; trace pebbles; dark grayish green (10GY 5/3). (Till).		1.0 ppm	40.0
45.0	–	S-10	45-47	2.0/1.0	6 5 9 10	Dense	Same as above.		0.5 ppm	45.0
50.0	–	S-11	50-51	2.0/1.0	42 22 21 10	Dense	Clay and silt; grayish green (10GY 5/2). (Till).		0.4 ppm	50.0
55.0	–	-	-	-	60SR	-	No Sample - Boulder.	-	-	55.0
60.0		S-12	60-61	2.0/1.0	6 9 19 18	Dense	Clay and silt; grayish green (10GY 5/2). (Till).		0.0 ppm	60.0
65.0	–	S-13	65-67	2.0/2.0	5 10 10 23	Dense	Clay and silt; few angular pebbles; dark yellowish brown (10YR 4/2).		0.0 ppm	65.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0591

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15t SHEET 3 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION North of Blakely residence
GROUND ELEVATION 552.9
DATE STARTED 04/16/91 DATE FINISHED 04/23/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 147 lbs HAMMER FALL (IN) 30"

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
70.0			-				No sample.		0.0 ppm	70.0
75.0		S-14	75-77	2.0/2.0	9 11 11 15	Dense	Clay and silt; few angular pebbles; grayish green (10GY 5/2). (Till).		0.0 ppm	75.0
							Auger Refusal 76.5 ft.			
80.0			-				No sample.		-	80.0
85.0			-				No sample.		-	85.0
90.0			-				No sample.		-	90.0
95.0		S-15	94-98	4.0/4.0	Rock Corer	Very Dense	Clay and silt; few angular pebbles; dark yellowish brown (10YR 4/2).		-	95.0
100.0			98-103	5.0/5.0	Rock Corer	Very Dense	Clay and silt; few angular pebbles; dark yellowish brown (10YR 4/2).			100.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0598

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15t SHEET 4 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION North of Blakely residence
GROUND ELEVATION 552.9
DATE STARTED 04/16/91 DATE FINISHED 04/23/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 147 lbs HAMMER FALL (IN) 30"

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
105.0		S-16	103-108	5.0/5.0	NX Corer		Clay and silt; few angular pebbles; dark yellowish brown (10YR 4/2).			105.0
110.0										110.0
115.0										115
		S-17	118-123	5.0/4.0	NX Corer	Very Dense	CLAY; silt and angular (C,M,F) gravel; pale olive (10Y 6/2).		ND	
120.0										120.0
		S-18	123-128	5.0/5.0	NX Corer	Very Dense	CLAY; silt and angular C,M,F gravel; pale yellow brown (10YR 6/2).		ND	
125.0										125.0
			128-133	5.0/5.0	NX Core	Very Dense	Clay and silt; little angular C,M,F gravel; little cobble; boulder; dark yellowish brown (10YR 4/2).		ND	
130.0										130.0
			133-138	5.0/5.0	NX Core	Very Dense	SCHIST, dry weathered; chunks of granite; pegmatite; light brown (5YR 5/6).		ND	
135.0							Biotite schist.			135.0
							End of Boring 138 ft. Well Set 126 to 136 ft.			

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-15t**

Date of Completion: **4/23/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of Blakely residence**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
<118 ft. M.F.A., >118 ft. D.F.

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **552.85**

Well Depth Below Ground Surface: **137.24 ft.**

Top of Steel Casing Elevation (MSL): **552.84**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **552.60**

Screened Interval: **127.24 - 137.24 '** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **126.99 ft.**

Screen Type: **#10 Mesh Screen**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Very Fine**

Impermeable Backfill:
Volclay

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **2 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:
Benseal and Sand Mix

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0179

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0711

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Deep Till**

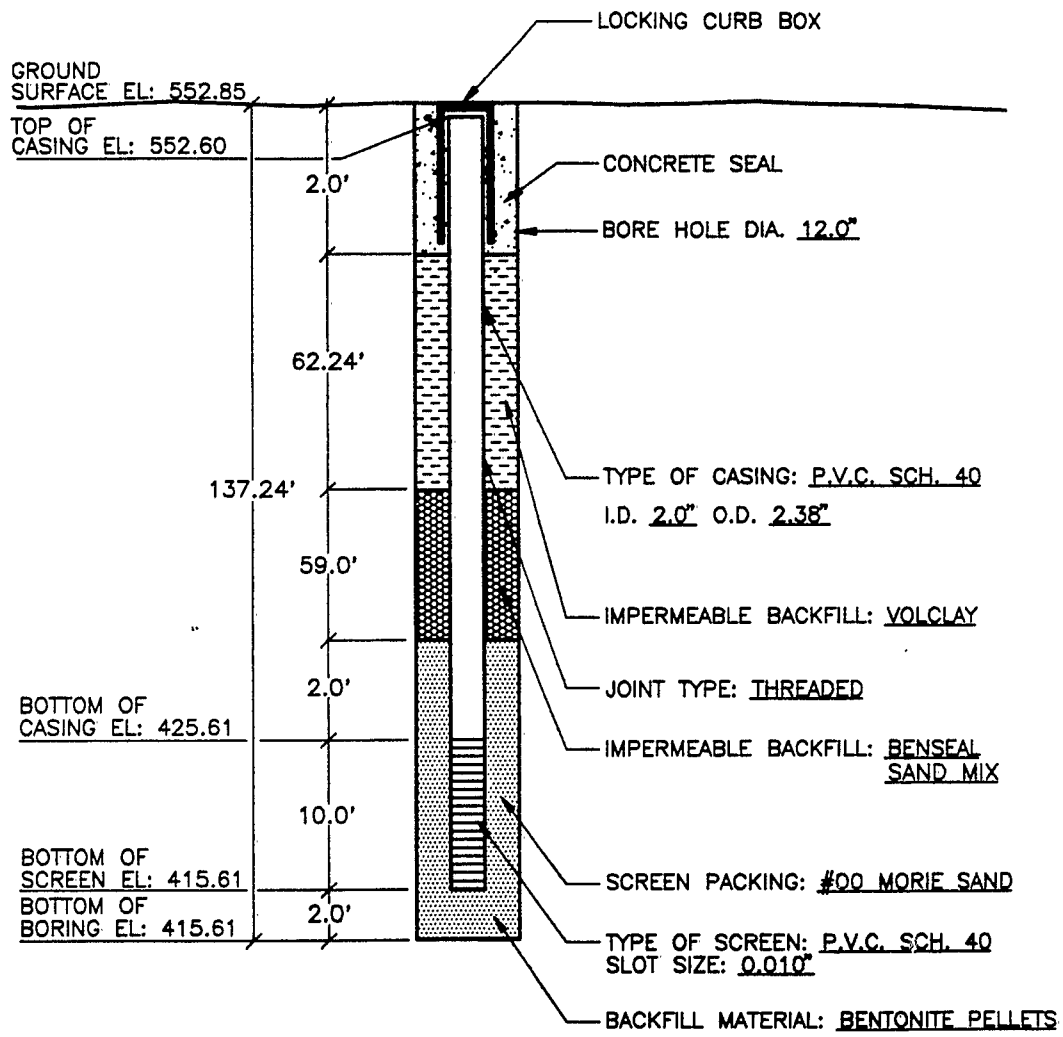
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-15t



FUSS&O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-15t
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/13/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0172

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15sb SHEET 1 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION West of Blakely residence
GROUND ELEVATION 552.7
DATE STARTED 05/02/91 DATE FINISHED 05/07/91

DRILLING METHOD Air Rotary to Rock then Core
SAMPLING METHOD NX Core
HAMMER WT. _____ HAMMER FALL (IN) _____

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							See MW-15t for lithologic description.			

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Air Rotary	0 - 139
LITTLE	10 TO 20%	Set Casing	139 - 140.6
SOME	20 TO 35%	Roller Bit	139 - 140.6
AND	35 TO 50%	NX Core	140.6 - 153

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0173

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-15sb
SHEET 2 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION West of Blakely residence
GROUND ELEVATION 552.7
DATE STARTED 05/02/91 DATE FINISHED 05/07/91

DRILLING METHOD Air Rotary to Rock then Core
SAMPLING METHOD NX Core
HAMMER WT. _____ HAMMER FALL (IN) _____

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
80.0										80.0
85.0							See MW-15t for lithologic description.			85.0
90.0										90.0
95.0										95.0
100.0										100
105.0										105
110.0										110.0
115.0										115.0
120.0										120.0
125.0										125.0
130.0										130.0
135.0										135.0
140.0							Rock, Air Rotary Drilling End			140.0
145.0							Roller Bit to 140.6			145.0
150.0							NX Core Run #1			150.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0714

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15sb SHEET 3 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION West of Blakely residence
GROUND ELEVATION 552.7
DATE STARTED 05/02/91 DATE FINISHED 05/07/91

DRILLING METHOD Air Rotary to Rock then Core
SAMPLING METHOD NX Core
HAMMER WT. _____ HAMMER FALL (IN) _____

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
155.0							See MW-15t for lithologic description.			155.0
160.0							End of Boring 153 ft. Well Set 153 ft.			160.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0175

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-15sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Sima Drilling Co. DATE STARTED: 5/2/91 DATE FINISHED: 5/7/91
DRILLER: Ray Sima / Rob Sima GROUND ELEVATION: 552.65
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: David Fontaine

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
1*	OVA = ND Moderate to Slow Rate (1" in 40 to 80 sec) NX Core	1 3.7 Not able to determine		0	Numerous	Loose Non Planar Fractures Rounded Fe Staining	Weathered Schist with zeolites coarse to fine grained greatly altered soft	
2*	OVA = ND Moderate Rate (1" in 90 sec) NX Core	2 5.0 61	597 mm	24	1-6 2-6 3-3	Loose Very Non Planar Fractures Vessicular Texture (144') Fe Stain	Weathered Schist sills of zeolite rich granite Drusy soft nepheline, MgO. much alteration	
3*	OVA = ND Slow Rate NX Core	3 5.0 88	137 mm	29	1-8 2-6 3-5	Loose NonPlanar to Subplanar Fe Stain	Mineralized Druse (149.3 to 150) weathered schist sills of zeolite rich granite with nepheline, much alteration	
4*								
	* 1 = 140.8 2 = 144.3 3 = 149.3 4 = 153							
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0016

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-15sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	3.7	0	0	0%	0%
2	5	3.04	1.2	24%	61%
3	3.7	3.25	1.06	29%	88%

perfill\rqdimstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0111

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-15sb**

Date of Completion: **5/7/91**

DEP/WPC I.D.:

Monitoring Point Location: **West of Blakely residence**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Air Rotary <139 ft.**
Diamond NX Core 139 to 153 ft.

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **552.65**

Well Depth Below Ground Surface: **154.44 ft.**

Top of Steel Casing Elevation (MSL): **552.65**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **552.47**

Screened Interval: **144.44 - 154.44'** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **144.26 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#1 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
Benseal and Sand Mix

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **2 hours**

Locking or Threaded Cap

Impermeable Backfill:
Volclay

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0718

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 7 9

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Deep Till**

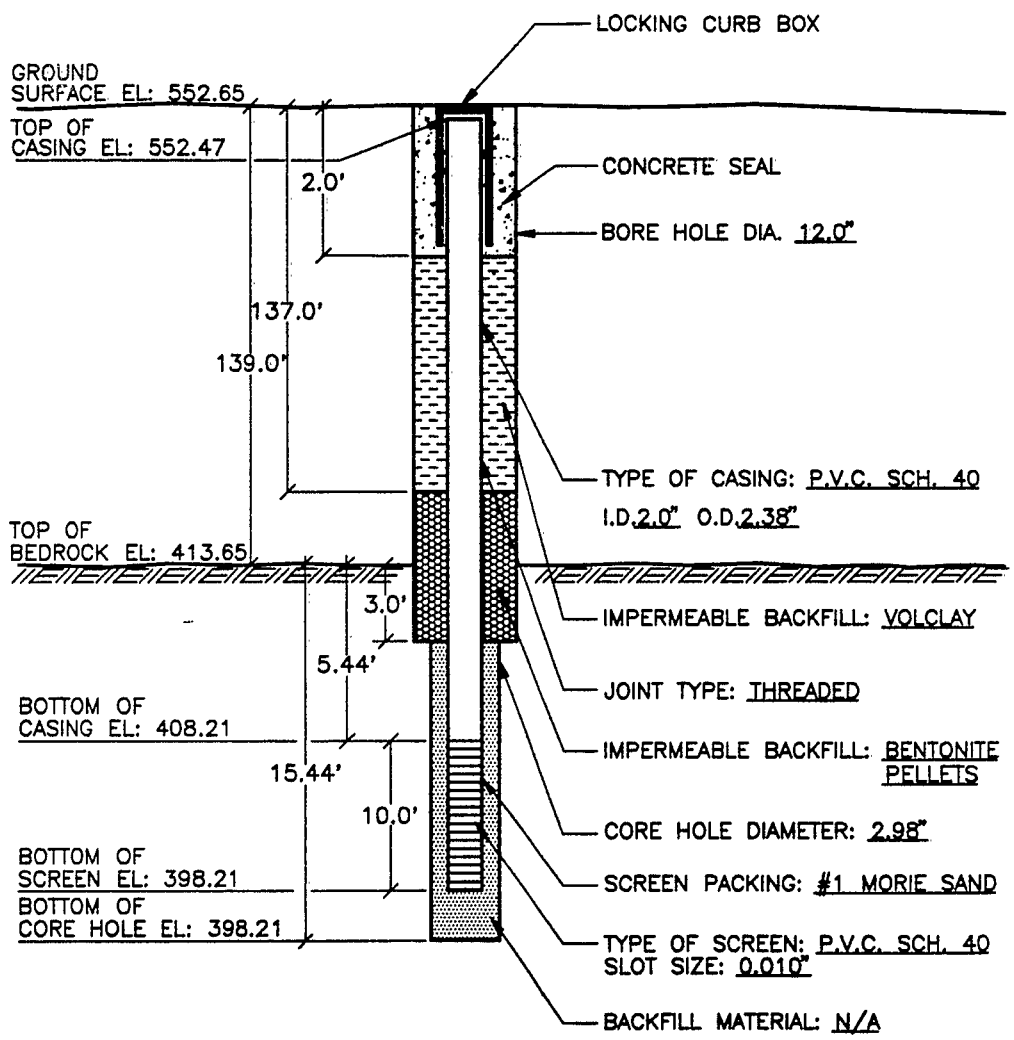
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-15sb



FUSS & O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-15sb
LINEMASTER SWITCH COR
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/8/91 SCALE: N.T.S

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002
0080

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15db SHEET 1 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION In front of N. Blakey's
GROUND ELEVATION 552.3
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
165.0	30 sec	SCHIST, little granitic / pegmatite, schist is very weathered, stained, soft, muddy, moderate yellowish brown (10YR 5/4)				165.0
170.0	30 sec	PEGMATITE, some schist, same staining and condition as above				170.0
175.0	30 sec	Pegmatite and Schist, nepheline crystals visible, very muddy, stained, weathered				175.0
180.0	30 sec	PEGMATITE, some schist, little mica, staining present - not as much as above.				180.0
185.0	30 sec	SCHIST, very stained, muddy, trace granitic / pegmatite fragments				185.0
190.0	30 sec	Schist and Pegmatite, both are stained yellowish brown				190.0
195.0	30 sec	Schist and Pegmatite, less stained than above				195.0
200.0	1 min	SCHIST, less stained, gray color				200.0
205.0	1 min	SCHIST, some staining, browner color than at 200 ft.		10 gpm		205.0
210.0	1.5 min	SCHIST, green-brwon-goldish color, close to 10YR 4/2 - more olive				210.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Roller Bit with mud	0 - 164
LITTLE	10 TO 20%	Air Rotary/	
SOME	20 TO 35%	Air Hammer	164 - 400
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0811

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15db SHEET 2 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION In front of N. Blakey's
GROUND ELEVATION 552.3
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
215.0	1.5 min	SCHIST, little pegmatite, trace evidence of nepheline crystals				215.0
220.0	2 min	SCHIST, trace pegmatite, schist is stained olive, yellow-brown	Harder material 223 ft.			220.0
225.0	3 min	SCHIST, stained, lighter color than above				225.0
230.0	3 min	SCHIST, fine grained, some fragments are crushable, N-5-N-4 (medium gray-medium light gray)				230.
235.0	3 min	SCHIST, crumbly, trace pegmatite, arsenopyrite crystal fragment present				235.0
240.0	1 min	SCHIST, (medium light gray) little fragments of green alteration mineral (serpentine / olivine)	Softer material 240 ft.			240.0
245.0	1 min	SCHIST, (medium light gray) same evidence of greenish mineral				245.0
250.0	1 min	SCHIST, medium gray				250.0
255.0	4 min	SCHIST, very soft, trace greenish mineral				255.0
260.0	2 min	SCHIST, darker gray than above, harder, trace aresenopyrite / pyrite crystal evidence				260.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0802

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15db SHEET 3 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION In front of N. Blakey's
GROUND ELEVATION 552.3
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
265.0	2 min	SCHIST, trace pegmatite fragments, medium gray				265.0
			Fracture / water 268 ft.	50 gpm	0 ppm	
270.0	3 min	SCHIST, trace arsenopyrite evidence, geenish mineral present				270.0
275.0	2 min	SCHIST, medium gray to medium dark gray				275.0
280.0	1.5 min	SCHIST, trace pematite, moderate gray, trace pyrite / arsenopyrite evidence	Fracture / water 280 ft.	75 gpm	0 ppm	280.0
285.0	1 min	Same as Above				285.0
290.0	1.5 min	SCHIST, little pegmatite, little greenish mineral				290.0
295.0	2 min	SCHIST				295.0
300.0	2 min	Schist and Pegmatite				300.0
305.0	4 min	SCHIST				305.0
310.0	2 min	SCHIST, trace arsenopyrite evidence	Softer material			310.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0803

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-15db SHEET 4 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION In front of N. Blakey's
GROUND ELEVATION 552.3
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
315.0	3.5 min	SCHIST, trace pegmatite fragments, medium gray				315.0
320.0	3.5 min	Schist and Pegmatite, some muscovite mica, little green alteration mineral (pyrite crystals)				320.0
325.0	3.5 min	Schist and some Pegmatite, no more mica				325.0
330.0	3 min	SCHIST, little greenish mineral, trace pegmatite				330
335.0	3 min	SCHIST, trace pegmatite, trace greenish mineral				335.0
340.0	3 min	SCHIST, trace pegmatite				340.0
345.0	3 min	SCHIST				345.0
350.0	3 min	SCHIST, trace pegmatite				350.0
355.0	3 min	SCHIST, little pegmatite, trace greenish mineral				355.0
360.0	3 min	SCHIST, little pegmatite				360.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0849

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT552.33	BORING NO. MW-15db SHEET 5 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION In front of N. Blakey's
GROUND ELEVATION 552.3
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
365.0	3 min	SCHIST, trace pegmatite				365.0
370.0	3 min	SCHIST, trace pegmatite				370.0
375.0	3 min	SCHIST, trace pegmatite				375.0
380.0	3 min	SCHIST, trace pegmatite				380.0
385.0	3 min	Same				385.0
390.0	Times unsure	Same				390.0
395.0	than material	SCHIST, soft	Soft material			395.0
	shows because					
400.0	of excess water	SCHIST, soft		100+ gpm		400.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-15db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
5 of 8

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-15db**

Date of Completion: **5/10/91**

DEP/WPC I.D.:

Monitoring Point Location: **In front of N. Blakey's residence**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **552.33**

Well Depth Below Ground Surface: **400 ft.**

Top of Steel Casing Elevation (MSL): **552.39**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **164 - 400 ft.**

Length of Screen: **N/A**

Length of Riser Pipe: **164 ft.**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No X

Screen Packing: Yes No: X

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Not developed due to well condition

Time Spent Developing: **N/A**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0085

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **164 ft.**

Water-Bearing Rock Unit: **Pegmatite / Schist**

Water-Bearing Sections (Depths and Approximate Yields): **204 ft., 268 ft., 280 ft.**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill:

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 087

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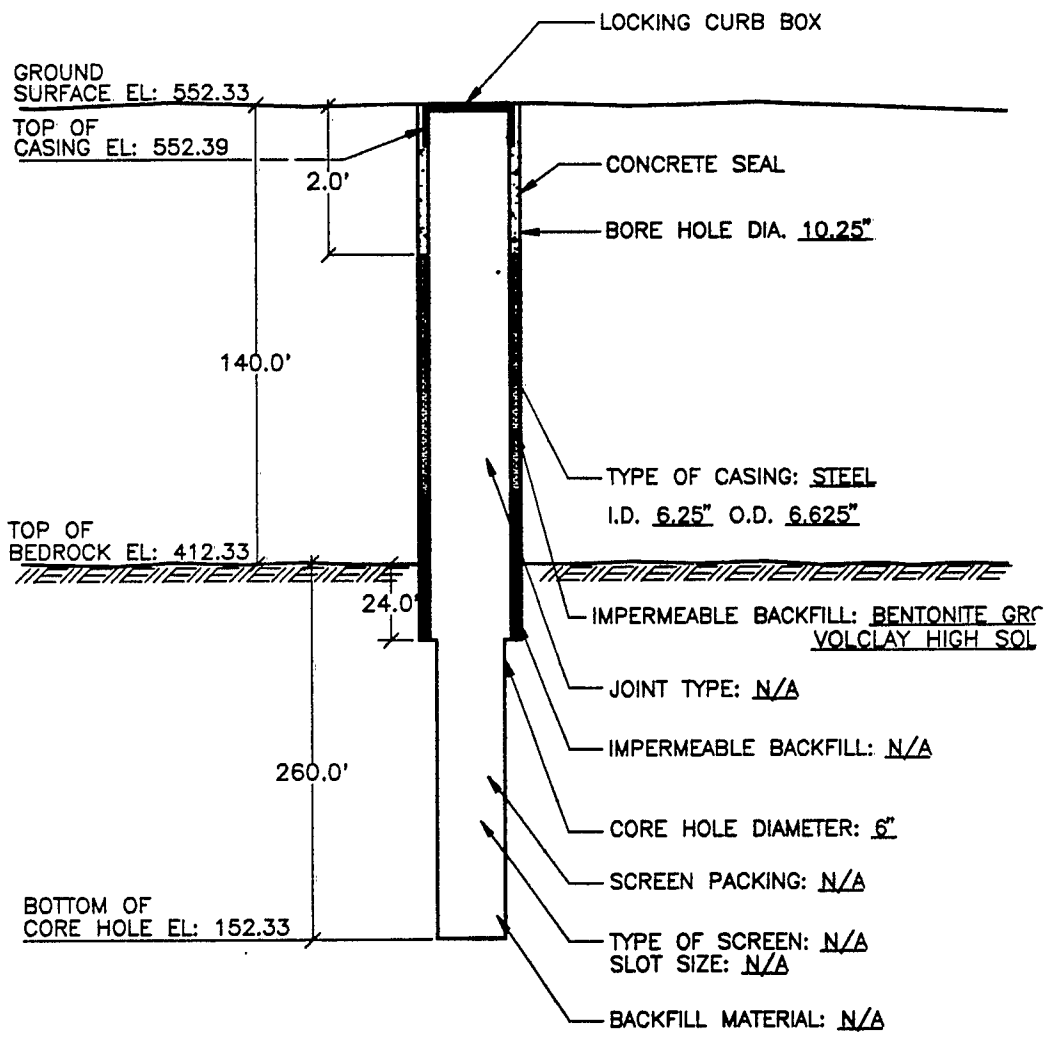
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

0 8 8

WELL NO. MW-15db



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-15db
LINEMASTER SWITCH COI
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/20/91 SCALE: N.T.S

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-16t SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION North of Manufacturing Bldg.
GROUND ELEVATION 569.7
DATE STARTED 04/24/91 DATE FINISHED 04/24/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							See MW-16sb for lithologic description.			
							End of Boring 30 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 30
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-16t

perfill\wellog04

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0889

MONITOR WELL COMPLETION REPORT

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 0590

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-16t**

Date of Completion: **4/24/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of manufacturing building**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **569.74**

Well Depth Below Ground Surface: **29.74 ft.**

Top of Steel Casing Elevation (MSL): **569.71**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **569.35**

Screened Interval: **19.74 - 29.74 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **19.35 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Very Fine**

Impermeable Backfill:
Volclay

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite Pellets

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 9 1

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

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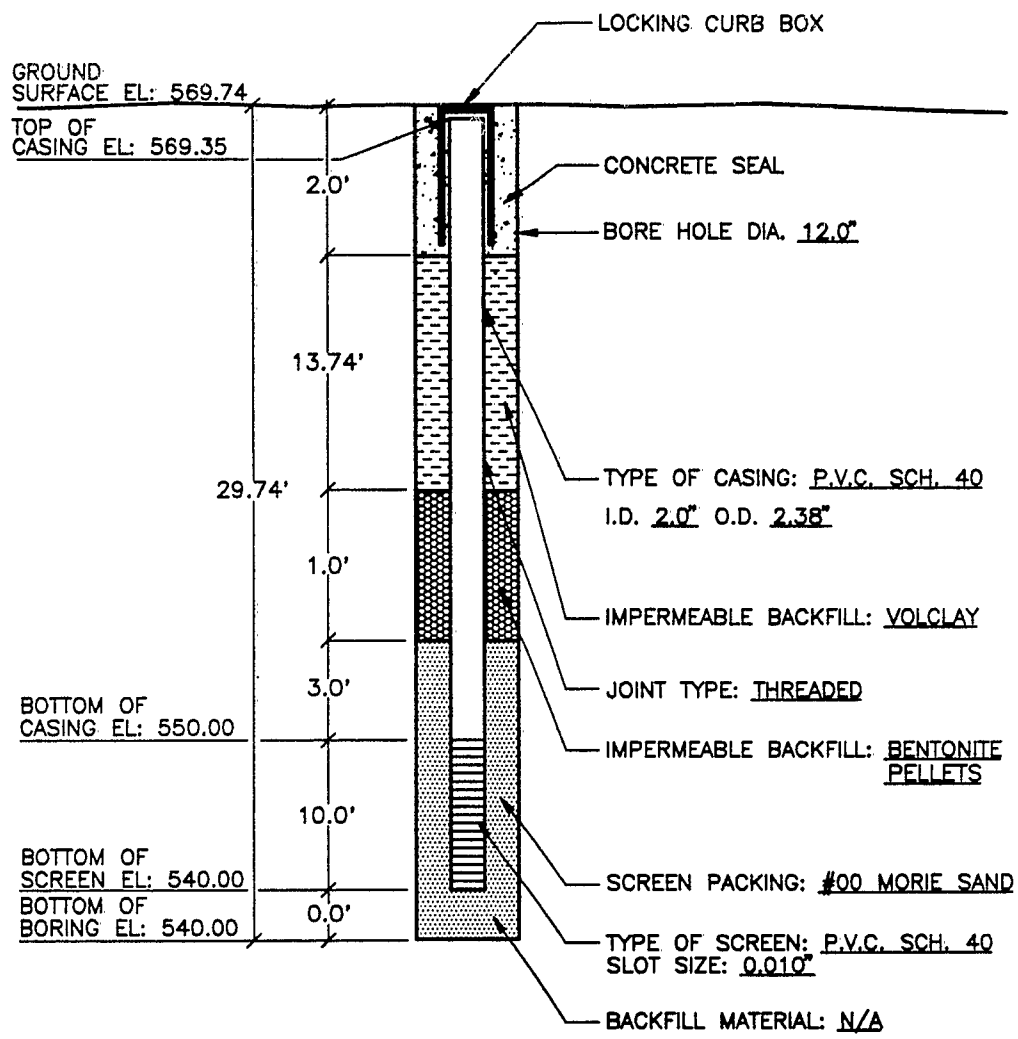
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0902

WELL NO. MW-16t



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-16t
LINEMASTER SWITCH COF
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 4/24/91 SCALE: N.T.S

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-16sb
SHEET 1 OF 5
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION North of paint shed
GROUND ELEVATION 568.9
DATE STARTED 04/22/91 DATE FINISHED 04/24/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/24/91	PVC	16.90	0.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		01	0-2	24/8	4 2		SILT; little M,C sand; grayish orange (10YR 5/4).		ND	
1.0					2 5					1.0
2.0		02	2-4	24/16	10 10		Silt and VF sand; little C sand; trace F angular gravel; dusky yellow (5Y 6/4). Immature / poor sorting.		ND	2.0
3.0					20 15					3.0
4.0		03	4-6	24/18	5 10		Silt and VF sand; little C sand; trace C,M,F angular gravel; dusky yellow (5Y 6/4). Immature / poor sorting.		ND	4.0
5.0		04			13 13					5.0
6.0		05	6-8	24/14	11 13		SILT; VF sand; little C sand; little C,M,F angular gravel; dark yellow orange and pale olive (10YR 6/6 and 10Y 6/2). Mottled.		ND	6.0
7.0		06			14 50		Immature / poor sorting.			7.0
8.0		07	8-10	24/19	5 10		SILT; some VF sand; little C,M,F angular gravel; grayish orange (10YR 7/4).		1 ppm	8.0
9.0		08			11 15					9.0
10.0		09	10-12	24/9	11 18		SILT; some VF sand; little C,M,F angular gravel; grayish orange (10YR 7/4). Immature / poor sorting.		1 ppm	10.0
11.0					20 21					11.0
12.0		10	12-14	24/22	4 10		SILT; some VF sand; little C,M,F angular gravel; grayish orange (10YR 7/4).		1.6 ppm	12.0
13.0		11			13 18					13.0
14.0		12	14.5-16.5	6/5	68 SR		SILT; some C,M,F angular gravel; little VF sand; grayish orange (10YR 7/4).		2.8 ppm	14.0

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

BORING METHOD	DEPTH
HSA	0 - 48
Spin Casing	48.8 - 49.5
Roller Bit	49.5 - 53
NX Core	53 - 69

REMARKS:
FIELD INSTRUMENT= OVA Calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-16sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0693

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-16sb SHEET 2 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION North of paint shed
GROUND ELEVATION 568.9
DATE STARTED 04/22/91 DATE FINISHED 04/24/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
15.0		13								15.0
16.0			16.5-	24/10	10 12		SILT; some VF sand; little C,M,F semiangular gravel; trace		1.5 ppm	16.0
17.0		14	18.5		21 23		cobble; grayish orange (10YR 7/4).			17.0
18.0										18.0
19.0		15	19-21	24/10	10 21		SILT; some VF Sand; little C,M,F subangular gravel; grayish orange (10YR 7/4).		1.0 ppm	19.0
20.0					22 19					20.0
21.0		16	21-23	24/12	10 14		Silt and VF sand; trace C,M,F angular gravel; medium gray (N5). Solvent smell.		30.0 ppm	21.0
22.0		17			12 16					22.0
23.0		18	23-25	24/14	10 10		SILT; some VF sand; trace C,M,F angular gravel; medium gray (N5). Solvent smell.		150 ppm	23.0
24.0		19			14 15					24.0
25.0		22	25-27	24/14	12 15		SILT; little F gravel; medium gray (N5).		310 ppm	25.0
26.0		23			15 18					26.0
27.0		24	27-29	24/18	7 9		SILT; little C sand; trace gravel; medium gray (N5).		100 ppm	27.0
28.0		25			15 50					28.0
29.0		26	29-31	24/	4 10					29.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-16sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0469

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-16sb
SHEET 3 OF 5
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION North of paint shed
GROUND ELEVATION 568.9
DATE STARTED 04/22/91 DATE FINISHED 04/24/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		27		24/20	11 16		SILT; little F sand; little C,M,F semiangular gravel; medium gray (N5). Solvent smell.			30.0
31.0		28	31-33	24/12	10 17		SILT; some C,M semiangular gravel; gray green (5GY 6/1).		10 ppm	31.0
32.0					10 21					32.0
33.0										33.0
34.0		29	34-36	24/10	6 40		SILT; some VF sand; little C,M,F subangular gravel; grayish orange (5Y 5/2). Large cobble (schist) in bottom 3".		0.5 ppm	34.0
35.0					62 52					35.0
36.0		30	36-38	24/14	23 16		SILT; little VF sand; little C,M,F subangular gravel; cobbles of schist; light olive gray (5Y 5/2).		6 ppm	36.0
37.0		31			17 13					37.0
38.0		32	38-40	24/16	6 11		SILT; little VF sand; trace C,M,F gravel; light olive gray (5Y 5/2).		2 ppm	38.0
39.0		33			12 20					39.0
40.0		34	40-42	24/8	6 6		SILT; little VF sand; little C,M,F gravel; light olive gray (5Y 5/2).		1 ppm	40.0
41.0					6 24					41.0
42.0		35	42-44	24/12	6 12		SILT; little VF sand; some subrounded C,M,F gravel; pale olive (10Y 6/2).		0.5 ppm	42.0
43.0					16 19					43.0
44.0		36	44-46	24/	12 14		SILT; little VF sand; some F subangular gravel.		1.0 ppm	44.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-16sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0595

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-16sb SHEET 4 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION North of paint shed
GROUND ELEVATION 568.9
DATE STARTED 04/22/91 DATE FINISHED 04/24/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
45.0		37								45.0
46.0		38	46-48	24/20	12 14		SILT; some VF sand; some F subangular gravel.		1.2 ppm	46.0
47.0		39			18 12					47.0
48.0		NS	48-50	0/0	100R		No Recovery. Rock at 48 ft.			48.0
49.0										49.0
50.0							Core from 53 to 54 ft., 10" Recovery. GRANITE, pegmatite.			50.0
51.0							NX Core Run #1			51.0
52.0							Same as above.			52.0
53.0							Same as above.			53.0
54.0							NX Core Run #2			54.0
55.0							Same as above.			55.0
56.0							Same as above.			56.0
57.0							Same as above.			57.0
58.0							Same as above.			58.0
59.0							NX Core Run #3			59.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
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REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-16sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0595

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-16sb
SHEET 5 OF 5
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION North of paint shed
GROUND ELEVATION 568.9
DATE STARTED 04/22/91 DATE FINISHED 04/24/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
60.0							NX Core Run #3			60.0
61.0							Same as above.		1.2 ppm	61.0
62.0							Same as above.			62.0
63.0							Same as above.			63.0
64.0							NX Core Run 4			64.0
65.0							Same as above.			65.0
66.0							Same as above.			66.0
67.0							Same as above.			67.0
68.0							Same as above.			68.0
69.0							End of Boring 69 ft. Well Set 58 to 68 ft.			69.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-16sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0971

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-16sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Sima Drilling Co. DATE STARTED: 4/22/91 DATE FINISHED: 4/24/91
DRILLER: Ray Sima GROUND ELEVATION: 568.92
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: David Fontaine

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	DISCONTINUITIES: FRACTURES PER FOOT	DISCONTINUITIES: DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
49	NX Core OVA = ND Moderate Rate (1" in 45 sec) Smooth	1 5.0 12	4.4	9	not able to de-ter-mine	Loose Fractures Non Planar Rough	Granite with nepheline, some fluorite natrolite coarse grained weathered	
54	NX Core OVA = ND Moderate Rate (1" in 52 sec) Smooth	2 5.0	4	69	1-1 2-1 3-1 4-3 5-2	Loose Weathered Fractures Non Planar to Planar Rough	Granite with nepheline, fluorite, natrolite coarse grained weathered 57.5 to 58.5 schistose	
59	NX Core OVA = ND Moderate Rate (1" in 42 sec)	3 5.0 100	0	55	1-0 2-4 3-5 4-7 5-5	Loose Very Weathered Fractures Non Planar to Planar Smooth to Rough Fe Stain	59 to 60.5 Granite with nepheline coarse grained 60.0 to 64.0 Biotite Schist very weathered and altered	
64	NX Core OVA = ND Moderate Rate (1" in 45 sec)	4 5.0 100	1.0	75	1-2 2-4 3-2 4-4	Tight Planar (0 to 23 degrees) Fractures Smooth to Subsmooth Fe Stain	Biotite Schist, sills (1 to 4 mm) of granite fine to medium grain	
69								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0988

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-16sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	0.58	0.44	9%	12%
2	5	4.66	3.44	69%	93%
3	5	5	2.77	55%	100%
4	5	5	3.73	75%	100%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
669

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-16sb**

Date of Completion: **5/6/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of paint shed**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **David Fontaine**

Well Construction Method: **Hollow Stem Auger / Core Barrel**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.92**

Well Depth Below Ground Surface: **66.91 ft.**

Top of Steel Casing Elevation (MSL): **568.98**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **568.46**

Screened Interval: **56.91 - 66.91 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **56.45 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **13 ft.**

Well Inside Diameter: **2"**

Material: **#1 Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Benseal and Sand Mix

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking or Threaded Cap

Impermeable Backfill:
Bentonite Pellets and Volclay

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **NA**

Water-Bearing Rock Unit: **Mica Schist**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **49 to 69 ft.**

Diameter of Core Hole: **3.5"**

Thickness and Depth of Impermeable Backfill:

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite schist**

Attach Maps and Plans Required of G.I.j. and G.4.

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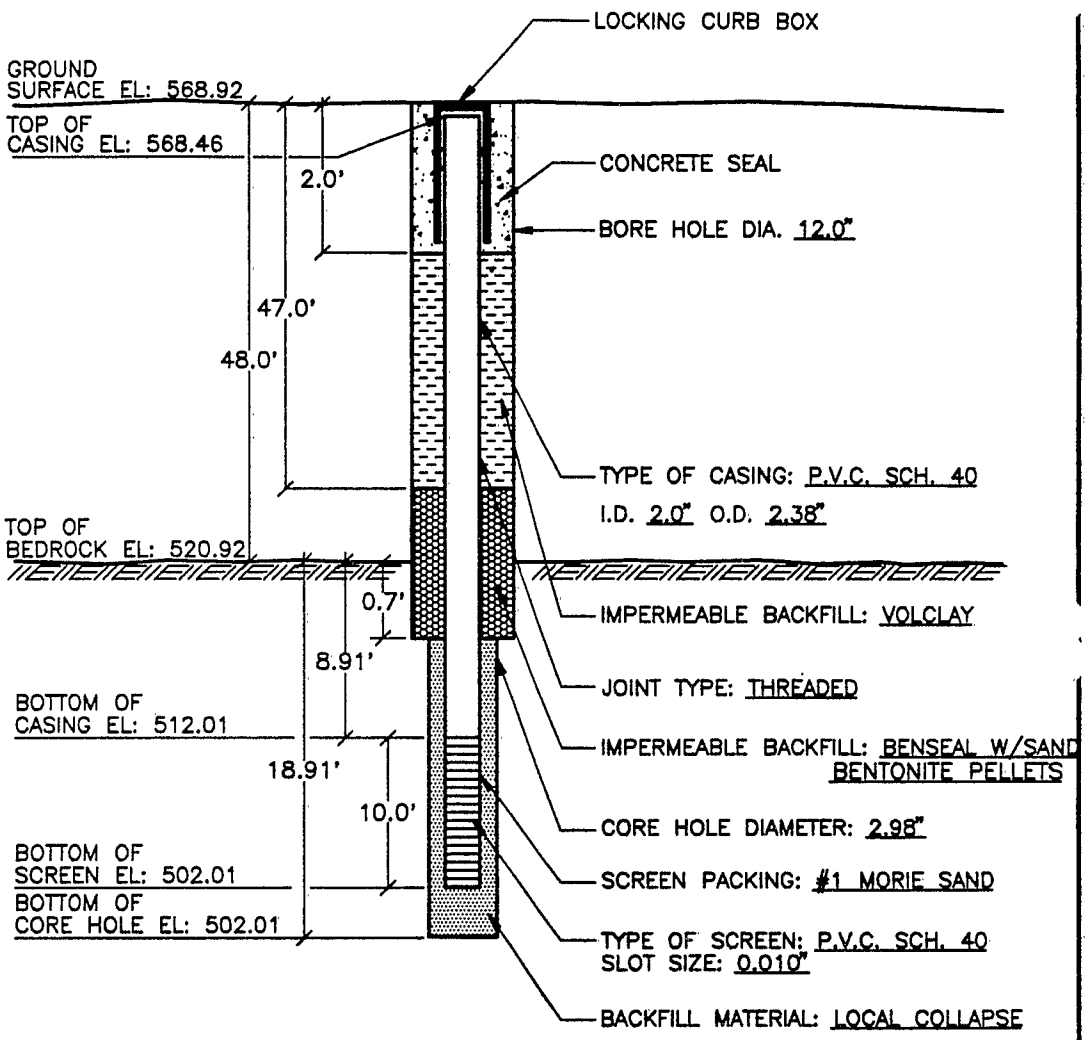
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

WELL NO. MW-16sb



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-16sb
LINEMASTER SWITCH COF
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/6/91 SCALE: N.T.S

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-17ts
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Between office and facility
GROUND ELEVATION 560.1
DATE STARTED 05/06/91 DATE FINISHED 05/06/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD N/A
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							See MW-17sb for lithologic description.			
							End of Boring at 20 ft. Well set at 20 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 20
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-17ts

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E01
03

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-17ts**

Date of Completion: **5/6/91**

DEP/WPC I.D.:

Monitoring Point Location: **Between office and facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **560.10**

Well Depth Below Ground Surface: **19.79 ft.**

Top of Steel Casing Elevation (MSL): **560.07**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **559.86**

Screened Interval: **9.79 - 19.79 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **9.55 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 and #1 Morie Sand Mixture**

Grain Size: **Very Fine to Fine**

Impermeable Backfill:
Bentonie Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking or Threaded Cap

Impermeable Backfill:
Volclay

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
A09

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **NA**

Water-Bearing Rock Unit: **Till**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **NA**

Diameter of Core Hole: **NA**

Thickness and Depth of Impermeable Backfill: **8 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Shallow Till**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

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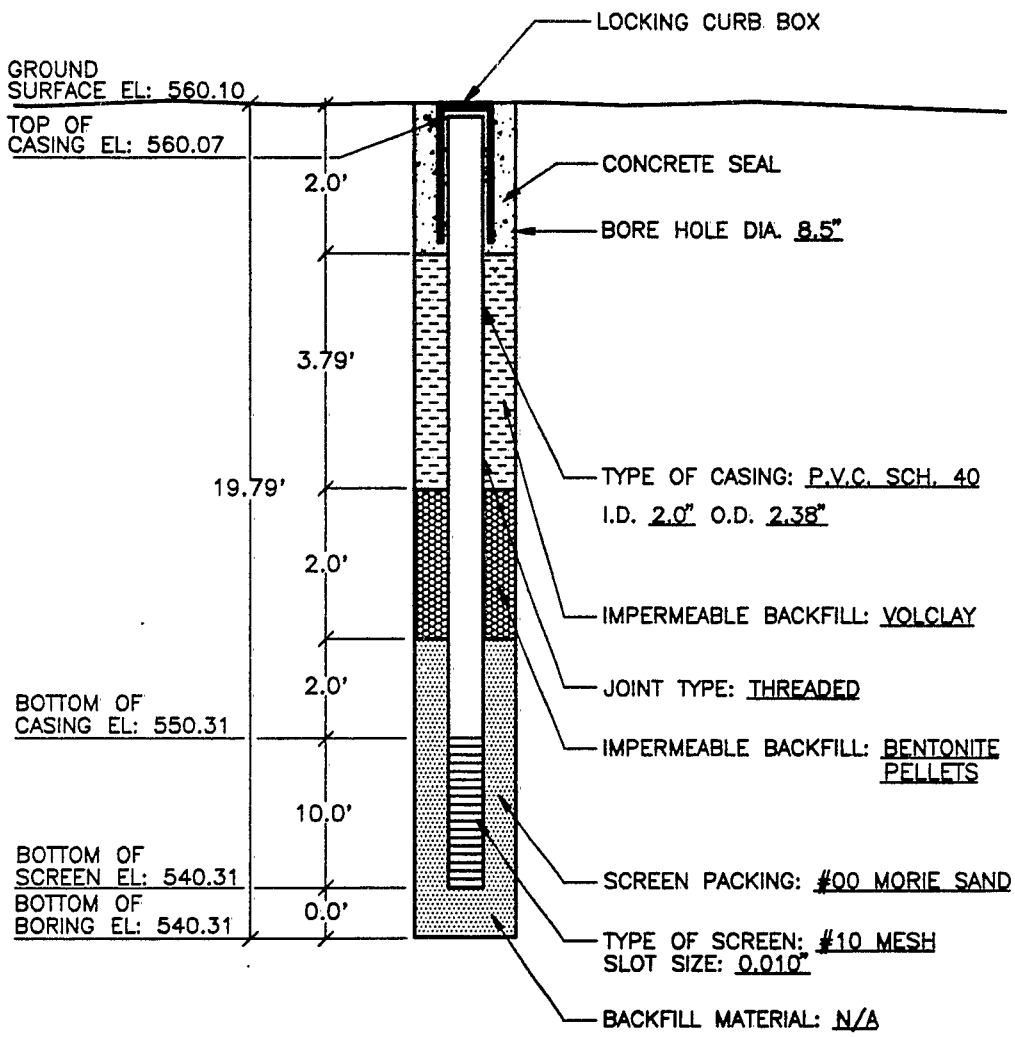
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 R05

WELL NO. MW-17ts



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-17ts
LINEMASTER SWITCH COR
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/6/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
1059

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-17td
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Between office and facility
GROUND ELEVATION 560.4
DATE STARTED 05/06/91 DATE FINISHED 05/06/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							See MW-17sb for lithologic description.			
							End of Boring at 42.5 ft. Well set at 42.5 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 42.5
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17td

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 071

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-17td**

Date of Completion: **5/6/91**

DEP/WPC I.D.:

Monitoring Point Location: **Between office and facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **560.37**

Well Depth Below Ground Surface: **42.46 ft.**

Top of Steel Casing Elevation (MSL): **560.34**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **560.09**

Screened Interval: **32.46 - 42.46 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **32.18 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **11.5 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Very fine**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking or Threaded Cap

Impermeable Backfill:
Volclay

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0 8 1 9

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1059

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: N/A

Water-Bearing Rock Unit: Till

Water-Bearing Sections (Depths and Approximate Yields): N/A

Length of Rock Cores: N/A

Diameter of Core Hole: N/A

Thickness and Depth of Impermeable Backfill: 32.5 ft.

O-ring Seals: Yes: No: X

GEOLOGIC INFORMATION

Aquifer: Till

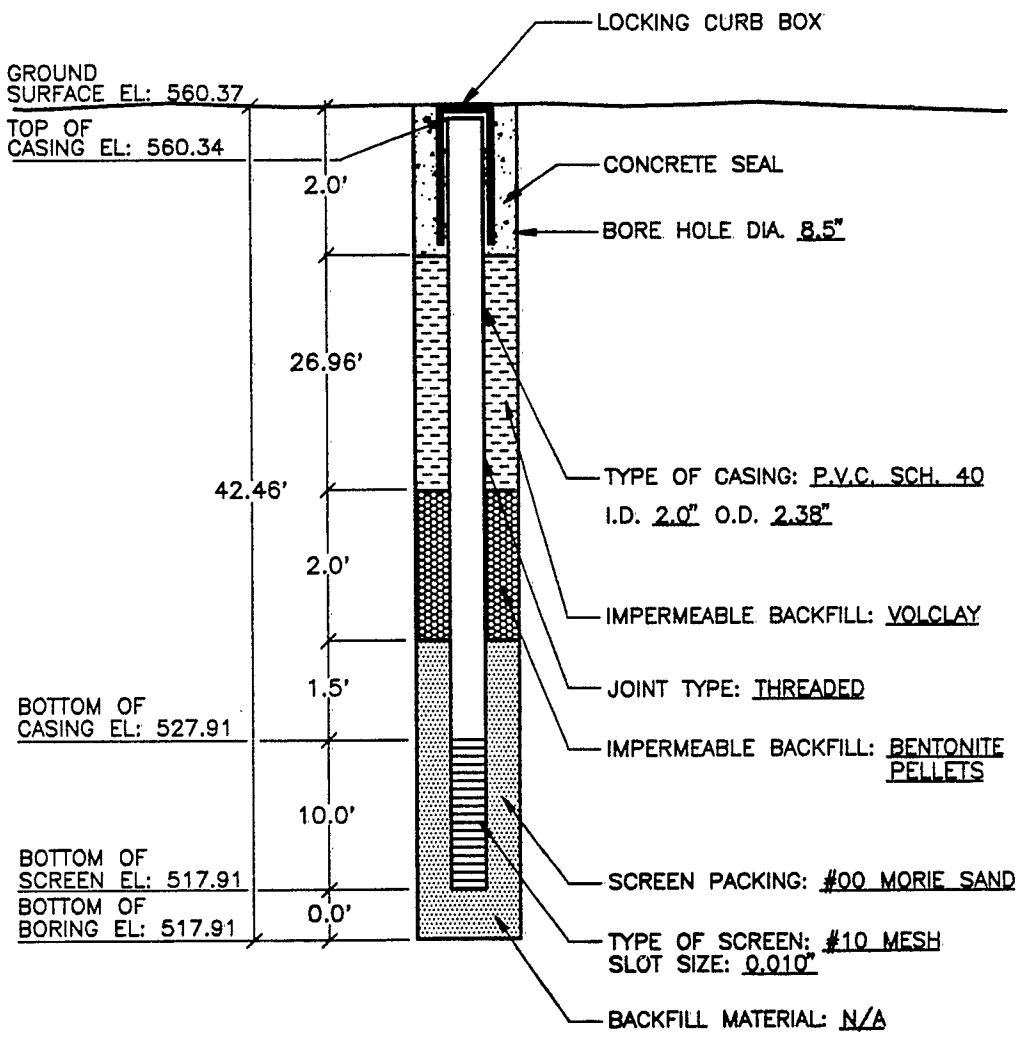
Inferred Relationship to Plume; Within X Outside Edge

Watershed (Plume Discharge Watercourse): Mill Brook

Aquifer Materials (Attach Boring Log): Till

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-17td



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-17td
LINEMASTER SWITCH CO[illegible]
PLAIN HILL RD. WOODSTOCK, [illegible]
PROJ. NO. 86-88 DATE: 5/6/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-17sb
SHEET 1 OF 5
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dominique Briglia
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Between office and facility
GROUND ELEVATION 560.8
DATE STARTED 05/02/91 DATE FINISHED 05/06/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							No Sample.			
1.0										1.0
2.0										2.0
3.0										3.0
4.0										4.0
5.0		60	5-7	24/10	18 28		Sand, VF, and Cobble; little F gravel; dark yellowish orange (10YR 6/6).		ND	5.0
6.0					25 21					6.0
7.0										7.0
8.0										8.0
9.0										9.0
10.0		61	10-12	24/16	11 17		Silt and C,M,F sand; some C,M,F subangular gravel; trace cobble; moderate olive brown (5Y 4/4).		1.8 ppm	10.0
11.0					21 27					11.0
12.0										12.0
13.0										13.0
14.0										14.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 50
LITTLE	10 TO 20%	Spin Casing	50 - 53
SOME	20 TO 35%	Roller Bit	52 - 53
AND	35 TO 50%	NX Core	53 - 68

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane
Polyethylene bag method.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-17sb
SHEET 2 OF 5
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dominique Briglia
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Between office and facility
GROUND ELEVATION 560.8
DATE STARTED 05/02/91 DATE FINISHED 05/06/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
15.0		62	15-17	24/18	22 21		Silt and VF sand; some C,M,F subangular gravel; grayish olive (10Y 4/2).		ND	15.0
16.0					17 15					16.0
17.0										17.0
18.0										18.0
19.0										19.0
20.0		63	20-22	24/20	11 11 18 20	Loose	Silt and clay; some C,M,F gravel; little cobble; grayish olive (10Y 4/2).		1.6 ppm	20.0
21.0										21.0
22.0										22.0
23.0										23.0
24.0										24.0
25.0		64	25-27	24/22	5 11	Loose	Silt and clay; some C,M,F subangular gravel; trace cobble; grayish olive (10Y 4/2).		4.7 ppm	25.0
26.0					12 15					26.0
27.0										27.0
28.0										28.0
29.0										29.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 112

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17sb SHEET 3 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dominique Briglia
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Between office and facility
GROUND ELEVATION 560.8
DATE STARTED 05/02/91 DATE FINISHED 05/06/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		65	30-32	24/22	8 8	Loose	SILT; some C,M,F gravel; grayish olive (10Y 4/2).		1.8 ppm	30.0
31.0					15 25					31.0
32.0										32.0
33.0										33.0
34.0										34.0
35.0		66	35-37	24/24	5 8	Loose	Silt and clay; some angular C,M,F gravel; grayish olive (10Y 4/2).		2.5 ppm	35.0
36.0					11 15					36.0
37.0										37.0
38.0										38.0
39.0										39.0
40.0		67	40-42	24/24	6 8	Loose	SILT; some C,M,F gravel; grayish olive (10Y 4/2).		3.5 ppm	40.0
41.0					12 14					41.0
42.0										42.0
43.0										43.0
44.0										44.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17sb SHEET 4 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dominique Briglia
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Between office and facility
GROUND ELEVATION 560.8
DATE STARTED 05/02/91 DATE FINISHED 05/06/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
45.0		68	45-47	24/22	8 12		Silt and clay; some angular C,M,F gravel; grayish olive (10Y 4/2).		ND	45.0
46.0					15 24					46.0
47.0										47.0
48.0										48.0
49.0										49.0
50.0		69	50-52	2/0	100 SR		Weathered schist in spoon tip.		ND	50.0
51.0										51.0
52.0							Spun Casing to 53 ft., very weathered rock.			52.0
53.0							NX Core Run #1			53.0
54.0							Same as above.			54.0
55.0							Same as above.			55.0
56.0							Same as above.			56.0
57.0							Same as above.			57.0
58.0							NX Core Run #2			58.0
59.0							Same as above.			59.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-17sb
SHEET 5 OF 5
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dominique Briglia
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Between office and facility
GROUND ELEVATION 560.8
DATE STARTED 05/02/91 DATE FINISHED 05/06/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
60.0							NX Core Run #2 continued.			60.0
61.0							Same as above.			61.0
62.0							Same as above.			62.0
63.0							NX Core Run #3			63.0
64.0							Same as above.			64.0
65.0							Same as above.			65.0
66.0							Same as above.			66.0
67.0							Same as above.			67.0
68.0							End of Boring at 68 ft. Well set at 68 ft.			68.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0115

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-17sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 5/2/91 DATE FINISHED: 5/6/91
DRILLER: Ray Sima GROUND ELEVATION: 560.82
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: David Fontaine

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
53	OVA = ND Moderate Rate (1" in 44 sec) NX Core	1 5.0 100	0	68	1-2 2-5 3-2 4-4 5-4	Tight Planar Smooth Fractures	Biotite Schist with granite sills	
58	OVA = ND Moderate Rate (1" in 54 sec) NX Core	2 5.0 97	2	87	1-0 2-1 3-2 4-1 5-2	Tight Planar Fractures Smooth	Biotite Schist with granite sills	
63	OVA = ND Mderate Rate (1" in 54 sec) NX Core	3 5.0 100	0	86	1-1 2-2 3-0 4-1 5-2	Tight Planar (33) Smooth	Biotite Schist fine grained sills of granite ranging from 1 to 50 mm	
68								
	perfill/r-core3							

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ADMINISTRATIVE RECORD

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-17sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	5	3.4	68%	100%
2	5	4.84	4.33	87%	97%
3	5	5	4.28	86%	100%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-17sb**

Date of Completion: **5/6/91**

DEP/WPC I.D.:

Monitoring Point Location: **Between office and facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger / Core Barrel**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **560.82**

Well Depth Below Ground Surface: **68.27 ft.**

Top of Steel Casing Elevation (MSL): **560.78**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **560.32**

Screened Interval: **58.27 - 68.27 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **57.77 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#1 Morie Sand**

Grain Size: **#1**

Impermeable Backfill:
Benseal and Sand Mix

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay

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ADMINISTRATIVE RECORD
LIN002
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MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **NA**

Water-Bearing Rock Unit: **Muscovite Biotite Schist**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **53 to 68 ft.**

Diameter of Core Hole: **3.5"**

Thickness and Depth of Impermeable Backfill: **58 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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ADMINISTRATIVE RECORD
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ADMINISTRATIVE RECORD

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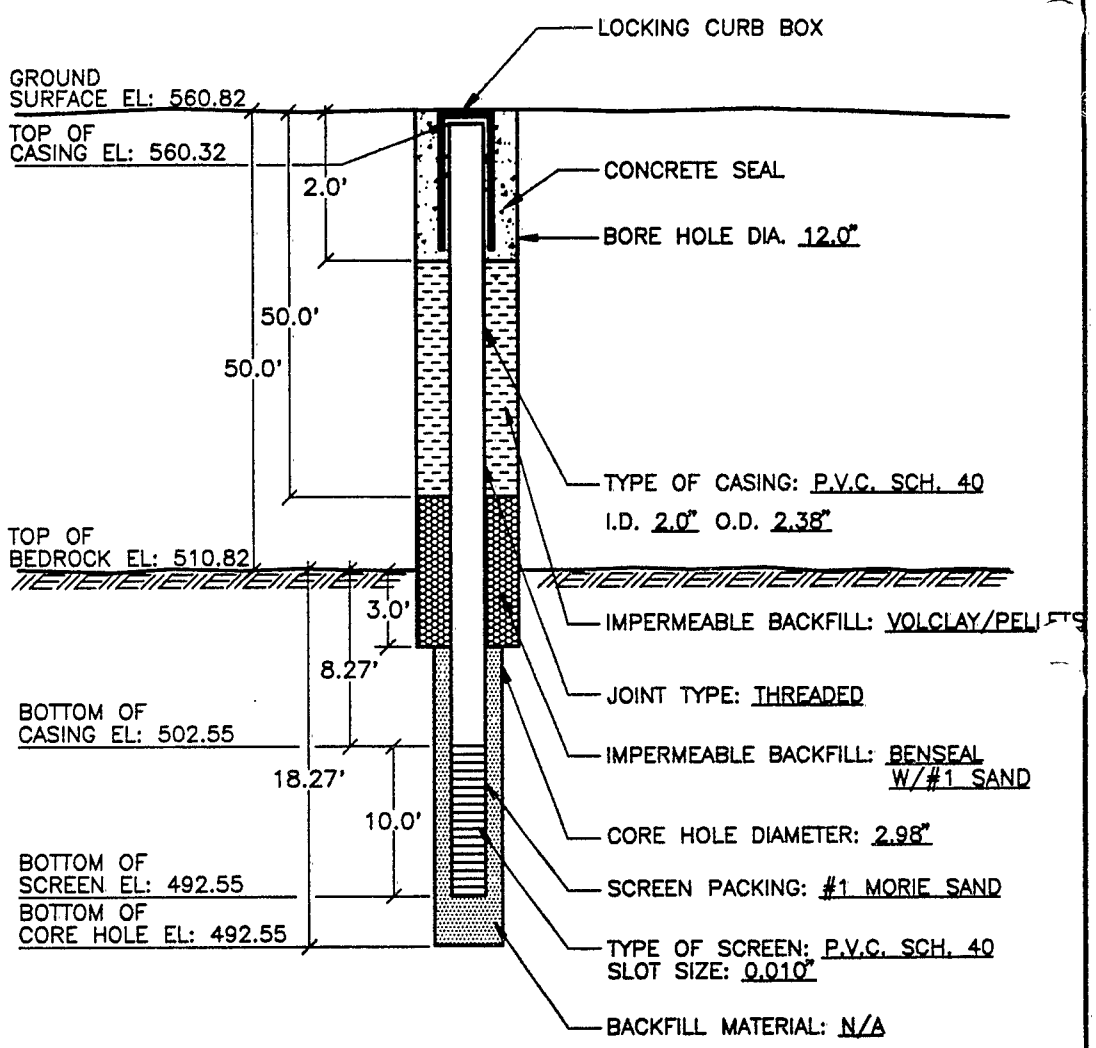
WELL NO. MW-17sb



FUSS & O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-17sb
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.

PROJ. NO. 86-88 DATE: 5/6/91 SCALE: N.T.S

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17db SHEET 1 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Between factory and office
GROUND ELEVATION 559.8
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
65.0	3 min	0-50': TILL, schist @ 50 ft. SCHIST, trace granitic fragments				65.0
70.0	3 min	SCHIST, trace granitic fragments				70.0
75.0	3 min	SCHIST, trace granitic fragments				75.0
80.0	3 min	SCHIST, trace granitic fragments				80.0
85.0	3 min	SCHIST, trace granitic fragments				85.0
90.0	3 min	SCHIST, trace granitic fragments, some stained stones	Fracture at 90 ft., some brownish water		0 ppm	90.0
95.0	3 min	SCHIST, trace granitic fragments, some stained chips				95.0
100.0	3 min	SCHIST, some granitic fragments				100.0
105.0	3 min	SCHIST, some granitic fragments				105.0
110.0	3 min	Schist and Granitic / Quartz fragments				110.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Roller Bit wth mud	0 - 60
LITTLE	10 TO 20%	Air Rotary/	
SOME	20 TO 35%	Air Hammer	60 - 400
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated at 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17db SHEET 2 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Between factory and office
GROUND ELEVATION 559.8
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
115.0	3 min	Schist and Granitic / Quartz fragments				115.0
120.0	3 min	SCHIST, little granitic / quartz fragments				120.0
125.0	4 min	Schist and Granitic / Quartz fragments				125.0
130.0	3 min	GRANITIC / PEGMATITE, trace mica, trace schist fragments				130.'
135.0	3.5 min	PEGMATITE / GRANITIC, little mica, trace schist fragments				135.0
140.0	3.5 min	PEGMATITE / GRANITIC, little mica, trace schist fragments				140.0
145.0	3.5 min	SCHIST, trace pegmatite				145.0
150.0	3.5 min	PEGMATITE / GRANITIC, little schist fragments				150.0
155.0	3.5 min	SCHIST, trace pegmatite				155.0
160.0	3.5 min	SCHIST, trace pegmatite				160.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated at 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17db SHEET 3 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Between factory and office
GROUND ELEVATION 559.8
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
165.0	4 min	GRANITIC / QUARTZ (blue gray color)				165.0
170.0	4 min	Pegmatite / Granitic and Schist, quartz content whiter in color				170.0
175.0	4 min	GRANITIC / PEGMATITE, little mica, fragments are yellow stained				175.0
180.0	4 min	PEGMATITE / GRANITIC, some schist				180.0
185.0	4 min	SCHIST				185.0
190.0	4 min	SCHIST, some pegmatite / granitic fragments are brown / yellow stained				190.0
195.0	4 min	SCHIST				195.0
200.0	4.5 min	SCHIST				200.0
205.0	4.5 min	SCHIST				205.0
210.0	4.5 min	SCHIST, little granitic / pegmatite fragments				210.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated at 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 1 2

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17db SHEET 4 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Between factory and office
GROUND ELEVATION 559.8
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
215.0	4.5 min	SCHIST				215.0
220.0	4.5 min	SCHIST				220.0
225.0	4.5 min	SCHIST				225.0
230.0	4.5 min	SCHIST				230.
235.0	4.5 min	SCHIST				235.0
240.0	5.5 min	SCHIST				240.0
245.0	5.5 min	SCHIST				245.0
250.0	5.5 min	SCHIST				250.0
255.0	5.5 min	SCHIST				255.0
260.0	5.5 min	SCHIST				260.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated at 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-17db
SHEET 5 OF 7
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Between factory and office
GROUND ELEVATION 559.8
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
265.0	5.5 min	SCHIST				265.0
270.0	5.5 min	SCHIST				270.0
275.0	5.5 min	SCHIST				275.0
280.0	5.5 min	SCHIST				280.0
285.0	5.5 min	SCHIST				285.0
290.0	5.5 min	SCHIST				290.0
295.0	5.5 min	SCHIST				295.0
300.0	5.5 min	SCHIST				300.0
305.0	5.5 min	SCHIST				305.0
310.0	5.5 min	SCHIST				310.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated at 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002125

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17db SHEET 6 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Between factory and office
GROUND ELEVATION 559.8
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
315.0	5.5 min	SCHIST				315.0
320.0	5.5 min	SCHIST				320.0
325.0	5.5 min	SCHIST				325.0
330.0	5.5 min	SCHIST				330
335.0	5.5 min	SCHIST				335.0
340.0	5.5 min	SCHIST				340.0
345.0	5.5 min	SCHIST				345.0
350.0	5.5 min	SCHIST, trace granitic fragments				350.0
355.0	5.5 min	SCHIST				355.0
360.0	5.5 min	SCHIST				360.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-17db SHEET 7 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Between factory and office
GROUND ELEVATION 559.8
DATE STARTED 04/29/91 DATE FINISHED 04/30/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
365.0	5.5 min	SCHIST				365.0
370.0	5.5 min	SCHIST				370.0
375.0	5.5 min	SCHIST				375.0
380.0	5.5 min	SCHIST				380.0
385.0	5.5 min	SCHIST				385.0
390.0	5.5 min	SCHIST				390.0
395.0	5.5 min	SCHIST				395.0
400.0	5.5 min	SCHIST				400.0
				1.5 gpm		

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
OME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-17db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-17db**

Date of Completion: **5/1/91**

DEP/WPC I.D.:

Monitoring Point Location: (relative to site features) **Along road between factory and office building**

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Sarah Rochelt**

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **559.83**

Well Depth Below Ground Surface: **400 ft.**

Top of Steel Casing Elevation (MSL): **560.07**

Refusal: Yes No:

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **60 - 400 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **60 ft.**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No **X**

Screen Packing: Yes No: **X**

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Surge and Bail

Time Spent Developing: **2 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 828

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 629

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **60 ft.**

Water-Bearing Rock Unit: **Schist, trace granite**

Water-Bearing Sections (Depths and Approximate Yields): **90 ft., Total Yield = 1.5 gpm**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill: **60 ft. Volclay Grout**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

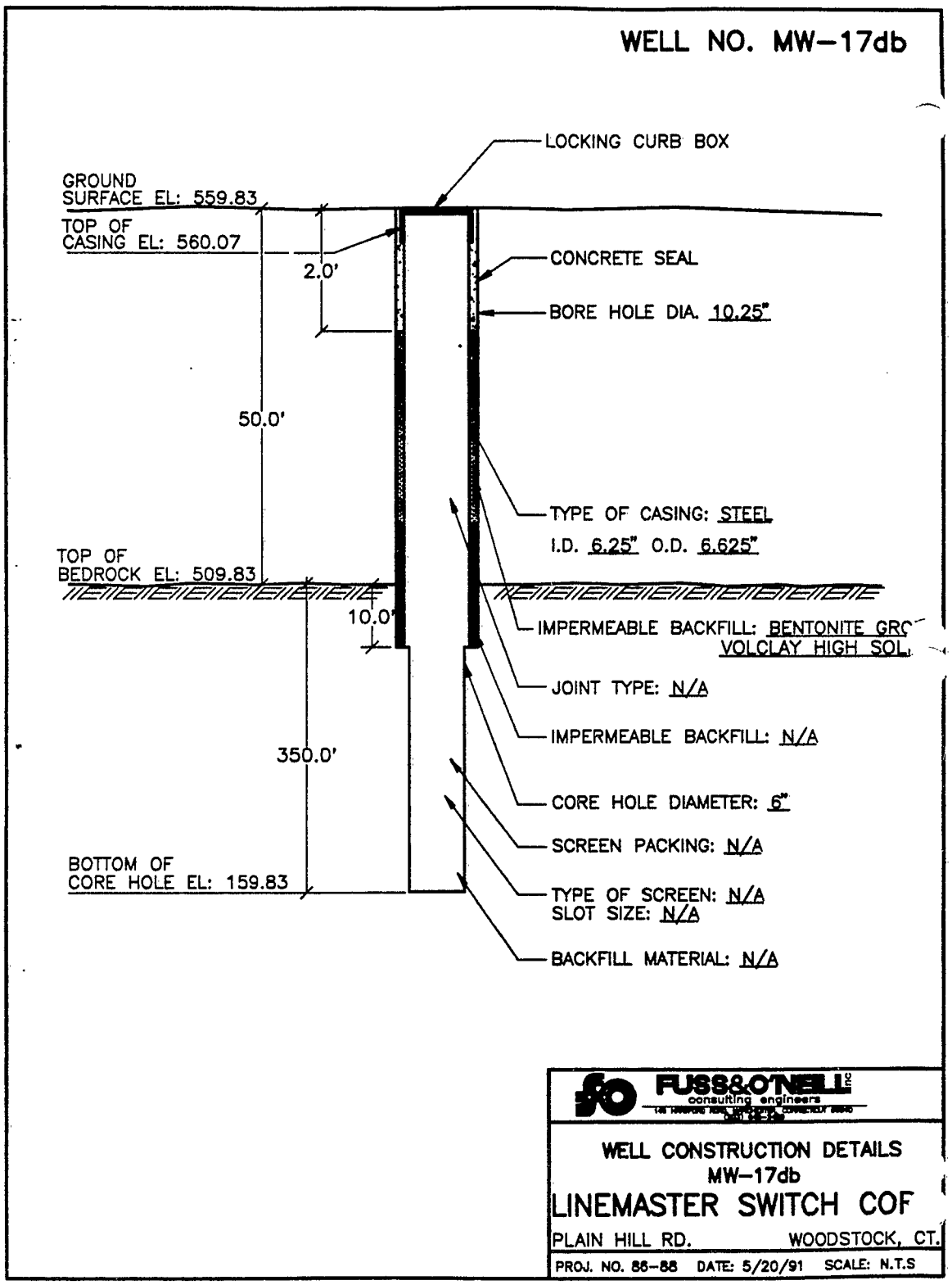
Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.



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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

0131

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-18t
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Across Rt 69 from GW-18
GROUND ELEVATION 465.1
DATE STARTED 05/09/91 DATE FINISHED 05/09/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							See MW-18sb for lithologic description.			

End of Boring at 14 ft.
Well set at 14 ft.

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 14
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated with 100 ppb isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-18t**

Date of Completion: **5/7/91**

DEP/WPC I.D.:

Monitoring Point Location: **Across Rt 69 from GW-18**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **465.10**

Well Depth Below Ground Surface: **14.59 ft.**

Top of Steel Casing Elevation (MSL): **466.99**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL): **466.55**

Screened Interval: **4.59 - 14.59 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **6.04 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **11 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Very Fine**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge Block and Bailer

Time Spent Developing: **1 hour**

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite Pellets

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0022

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

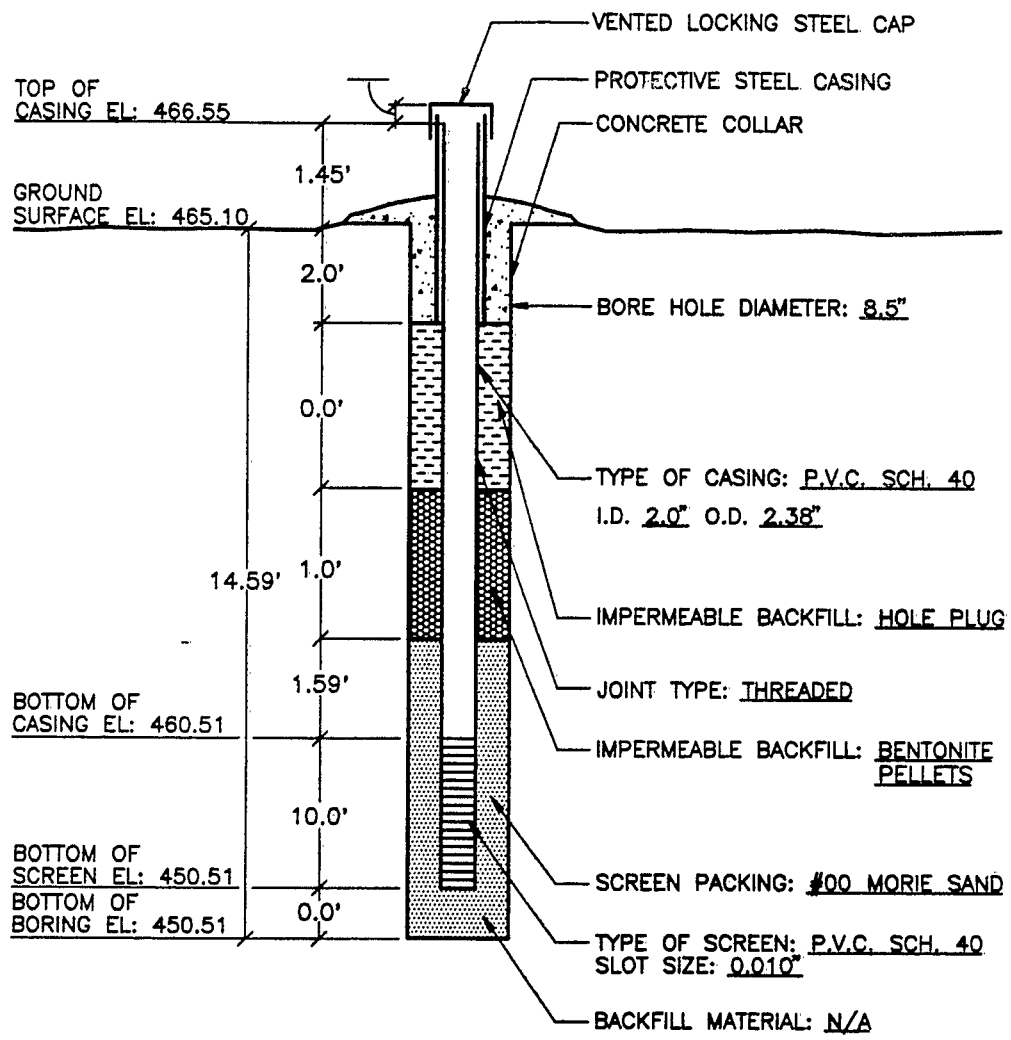
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-18t



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-18t
LINEMASTER SWITCH CORP
PLAIN HILL RD. WOODSTOCK, C...
PROJ. NO. 86-88 DATE: 5/14/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
H E D

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-18sb
SHEET 1 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Across Rt 69 from GW-18
GROUND ELEVATION 465.3
DATE STARTED 05/09/91 DATE FINISHED 05/09/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
		70	0-2	24/15	1 1		SAND, M; little C,F; little C,M,F subrounded gravel; little silt; dark yellowish orange (10YR 6/6).		39 ppm	
1.0					1 6					1.0
2.0										2.0
3.0										3.0
4.0										4.0
5.0			5-7	24/16	2 4		SAND, C,M,F; little silt; little C,M,F angular gravel; dark yellowish orange (10YR 6/6).		33 ppm	5.0
6.0					5 7					6.0
7.0										7.0
8.0										8.0
9.0										9.0
10.0		72	10-12	24/12	3 7		SAND, C,M,F; little silt; little C,M,F angular gravel; dark yellowish orange (10YR 6/6).		30 ppm	10.0
11.0					10 11					11.0
12.0										12.0
13.0										13.0
14.0										14.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 27
LITTLE	10 TO 20%	Spin Casing	28 - 29
SOME	20 TO 35%	Roller Bit	27 - 29
AND	35 TO 50%	NX Core	29 - 44

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA Calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
135

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-18sb SHEET 2 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Across Rt 69 from GW-18
GROUND ELEVATION 465.3
DATE STARTED 05/09/91 DATE FINISHED 05/09/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
15.0		73	15-17	24/10	7 20		SAND, C,M,F; little silt; little C,M,F subrounded gravel.		33 ppm	15.0
16.0					21 30					16.0
17.0										17.0
18.0										18.0
19.0										19.0
20.0		74	20-22	24/8	13 23		SAND, F; little C,M sand; little silt; little angular gravel; medium light gray (N6).	N6	40 ppm	20.
21.0					26 12					21.0
22.0										22.0
23.0										23.0
24.0										24.0
25.0		75	25-27	24/12	15 15		SAND, F; little C,M sand; little silt; little C,M,F subangular gravel; trace subrounded cobble.		23 ppm	25.0
26.0					12 17					26.0
27.0							Auger Rejection at 27 ft. Spin Casing 27 to 29 ft.			27.0
28.0							Same as above.			28.0
29.0							Same as above.			29.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfilt\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1396

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-18sb SHEET 3 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION Across Rt 69 from GW-18
GROUND ELEVATION 465.3
DATE STARTED 05/09/91 DATE FINISHED 05/09/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0							NX Core Run #1			30.0
31.0							Same as above.			31.0
32.0							Same as above. NX Core Run #2			32.0
33.0							Same as above.			33.0
34.0							Same as above.			34.0
35.0							Same as above.			35.0
36.0							Same as above.			36.0
37.0							Same as above.			37.0
38.0							NX Core Run #3			38.0
39.0							Same as above.			39.0
40.0							Same as above.			40.0
41.0							Same as above.			41.0
42.0							Same as above. NX Core Run #4			42.0
43.0							Same as above.			43.0
44.0							End of Boring at 44 ft. Well Set at 44 ft.			44.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		
perfill\wellog04			

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
137

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-18sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 5/8/91 DATE FINISHED: 5/9/91
DRILLER: Ray Sime GROUND ELEVATION: 465.31
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: David Fontaine

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
29	NX Core OVA = ND Slow Rate (1" in 106 sec) Smooth No Fluid Loss	1 4.5 100	0	86	1-1 2-3 3-2 4-3 5-1	Tight Fractures Very Planar (13 degrees) Some Silt Filling	Biotite Muscovite Schist fine to medium grained sills of granite arsenopyrite Dip = 13 degrees to core direction	
33.6	NX Core OVA = ND Slow Rate (1" in 80 sec) Smooth 1 lpm Fluid Loss	2 4.5 95	63	83	1-3 2-1 3-0 4-1 5-1	Tight Fractures Very Planar (12 degrees)	Biotite Muscovite Schist fine to medium grained sills of granite Dip = 12 degrees to core direction	
38	NX Core OVA = ND Moderate Rate (1" in 46 sec) Smooth No Fluid Loss	3 4.5 98	26	67	1-3 2-5 3-1 4-1 1	Tight Fractures Planar (14 degrees) Smooth to Subsmooth	Biotite Muscovite Schist fine to medium grained sills of granite Dip = 12 degrees to core direction	
42.5	NX Core OVA = ND Moderate Rate (1" in 50 sec) No Fluid Loss	4 1.5 80	93	80	1-1	Tight Fractures Planar (12 degrees) Smooth	Biotite Muscovite Schist fine to medium grained sills of granite Dip = 12 degrees to core direction	
44								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
138

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-18sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	5	4.3	86%	100%
2	4.5	4.29	3.73	83%	95%
3	4.5	4.4	3.03	67%	98%
4	1.5	1.2	1.2	80%	80%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
139

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-18sb**

Date of Completion: **5/9/91**

DEP/WPC I.D.:

Monitoring Point Location: **Across Route 69 from GW-18**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger / NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **465.31**

Well Depth Below Ground Surface: **45.23 ft.**

Top of Steel Casing Elevation (MSL): **467.07**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **466.61**

Screened Interval: **35.23 - 45.23 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **36.53 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12.5 ft.**

Well Inside Diameter: **2"**

Material: **#1 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
Benseal

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and Pump

Time Spent Developing: **1 hour**

Locking or Threaded Cap

Impermeable Backfill:
Volclay

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 649

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
147

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **46.53 ft.**

Water-Bearing Rock Unit: **Muscovite / Biotite Schist**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **12"**

Diameter of Core Hole: **4"**

Thickness and Depth of Impermeable Backfill: **32 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Shallow Bedrock**

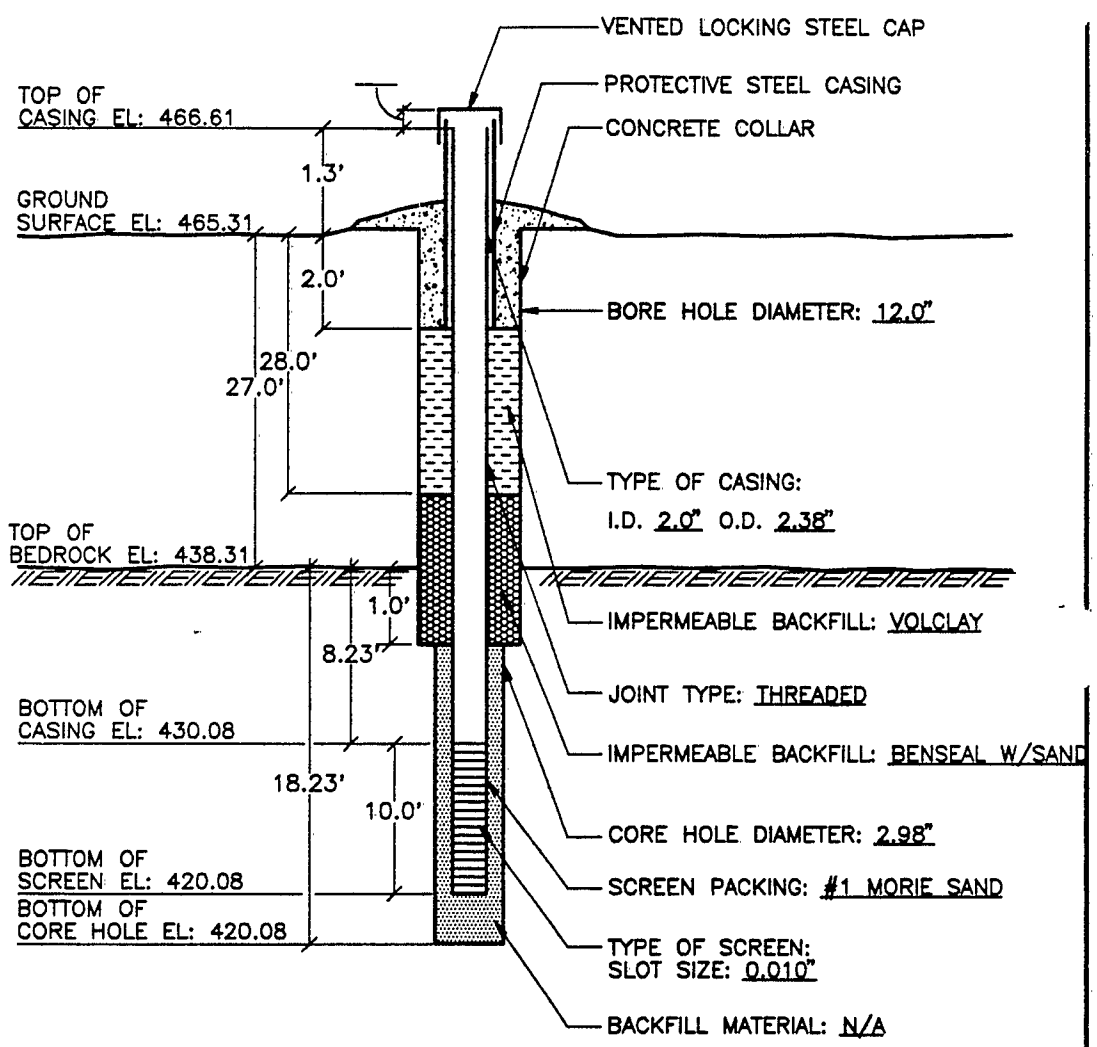
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-18sb



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-18sb
LINEMASTER SWITCH COR
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/14/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1142

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-18db SHEET 1 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION On Rt 169 diagonal fire station
GROUND ELEVATION 465.2
DATE STARTED 05/06/91 DATE FINISHED 05/07/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
45.0	4 min	0-26': TILL, schist @ 26 ft. SCHIST, dark gray granitic chips (little)				45.0
50.0	4 min	SCHIST, little dark gray granitic fagments				50.0
55.0	4 min	SCHIST, little dark gray granitic fragments				55.0
60.0	6 min	SCHIST				60.0
65.0	5 min	SCHIST				65.0
70.0	5 min	SCHIST				70.0
75.0	5 min	SCHIST				75.0
80.0	5 min	SCHIST				80.0
85.0	5 min	SCHIST				85.0
90.0	5 min	SCHIST				90.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit	0 - 40
LITTLE 10 TO 20%	Air Rotary/	
SOME 20 TO 35%	Air Hammer	40 - 200
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-18db SHEET 2 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION On Rt 169 diagonal fire station
GROUND ELEVATION 465.2
DATE STARTED 05/06/91 DATE FINISHED 05/07/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
95.0	4.5 min	SCHIST				95.0
100.0	4.5 min	SCHIST				100.0
105.0	4.5 min	SCHIST				105.0
110.0	4.5 min	SCHIST				110.
115.0	5 min	SCHIST				115.0
120.0	5 min	SCHIST				120.0
125.0	5 min	SCHIST				125.0
130.0	5 min	SCHIST	Fracture / water 133 ft.	25 gpm	0 ppm	130.0
135.0	5 min	SCHIST				135.0
140.0	5 min	SCHIST				140.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

144

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-18db SHEET 3 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION On Rt 169 diagonal fire station
GROUND ELEVATION 465.2
DATE STARTED 05/06/91 DATE FINISHED 05/07/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
145.0	5 min	SCHIST				145.0
150.0	5 min	SCHIST				150.0
155.0	5 min	SCHIST				155.0
160.0	5 min	SCHIST				160.0
165.0	5 min	SCHIST				165.0
170.0	5 min	SCHIST				170.0
175.0	5 min	SCHIST				175.0
180.0	5 min	SCHIST				180.0
185.0	5 min	SCHIST				185.0
190.0	5 min	SCHIST				190.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-18db SHEET 4 OF 4 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION On Rt 169 diagonal fire station
GROUND ELEVATION 465.2
DATE STARTED 05/06/91 DATE FINISHED 05/07/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
195.0	5 min	SCHIST				195.0
				25 gpm		
200.0	5 min	SCHIST				200.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-18db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 145

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-18db**

Date of Completion: **5/7/91**

DEP/WPC I.D.:

Monitoring Point Location: **On Rt 169 diagonal from fire station**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **465.24**

Well Depth Below Ground Surface: **200 ft.**

Top of Steel Casing Elevation (MSL): **465.93**

Refusal: Yes No:

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **40 - 200 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **40.69 ft.**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No X

Screen Packing: Yes No: X

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Surge and Bail

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Voclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 447

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **40 .69 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **133 ft.**
Total yield = 25 gpm

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill: **Volclay Grout**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 1498

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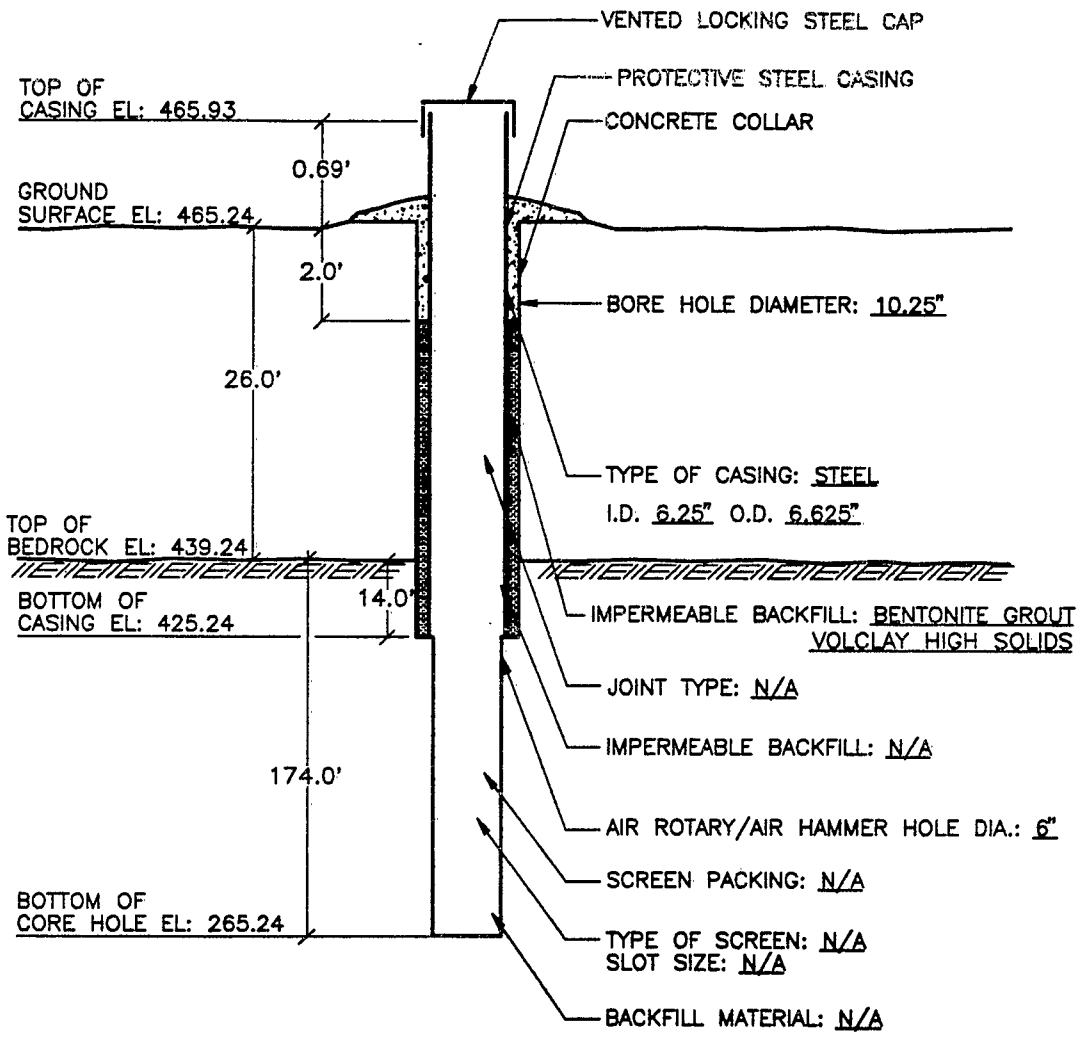
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 649

WELL NO. MW-18db



FUSS&O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-18db
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/20/91 SCALE: N.T.S

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-19sb SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION South of boat house
GROUND ELEVATION 467.5
DATE STARTED 04/30/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		56		24/8	1 2		Silt and VF sand; moderate yellowish brown (10YR 5/4).		ND	
1.0					3 6					1.0
2.0	—									2.0
3.0										3.0
4.0							NX Core Run #1			4.0
5.0							Same as above.			5.0
6.0							Same as above. NX Core Run #2			6.0
7.0							Same as above.			7.0
8.0							Same as above.			8.0
9.0							Same as above.			9.0
10.0							Same as above.			10.0
11.0							Same as above. NX Core Run #3			11.0
12.0							Same as above.			12.0
13.0							Same as above.			13.0
14.0							Same as above.			14.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 4.5
LITTLE	10 TO 20%	Spin Casing	4.5 - 7.0
SOME	20 TO 35%	NX Core	5.0 - 19.5
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-19sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002159

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMATER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-19sb SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION South of boat house
GROUND ELEVATION 467.5
DATE STARTED 04/30/91 DATE FINISHED 04/30/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	SAMPLE PEN/REC.	SAMPLE BLOWS/6"	SAMPLE SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
14.0							NX Core Run #4			14.0
15.0							Same as above.			15.0
16.0							Same as above.			16.0
17.0							Same as above.			17.0
18.0							Same as above.			18.0
19.0							Same as above.			19.
20.0							End of Boring at 19.5 ft. Well set at 19.0 ft.			20.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-19sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 115

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-19sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 4/30/91 DATE FINISHED: 4/31/91
DRILLER: Ray Sime GROUND ELEVATION: 467.53
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: David Fontaine

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	DISCONTINUITIES: FRACTURES PER FOOT	DISCONTINUITIES: DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
4.5	OVA = ND Slow Rate (1" in 60 sec) Smooth No Fluid Lost	1 0.9	26 mm	39	1-4	Tight Mostly Planar (10 degrees) Smooth Fe Stain	Biotite Muscovite Schist with granite sills (9mm)	
5.5	OVA = ND Slow Rate (1" in 50 sec) Smooth No Fluid Loss	2 5.0 100	0	7	1-5 2-12 3-11 4-9 5-8	Tight Planar (13 to 21 degrees) Smooth Heavy Fe Stain	Biotite Muscovite Schist with granite sills ranging from 4 to 10 mm (Largest 66 mm)	
9.5	OVA = ND Slow Rate (1" in 66 sec) Smooth Some Fluid Loss	3 5.0 100	0	26	1-6 2-7 3-9 4-7 5-1 1	Tight Planar Smooth Fe Stain Silt Filling Manganese Oxide dendrites	Biotite Muscovite Schist with granite sills ranging from 1 to 45 mm	
14.5	OVA = ND Slow Rate (1" in 80 sec) Some Fluid Loss	4 4.0 75	305	76	1-3 2-2 3-4	Tight Planar (11 to 19 degrees) Smooth to Subsmooth Little Fe Stain Silt and (F) Sand in Filling	Biotite Muscovite Schist with granite augens mostly sill form ranging from 1 to 15 mm	
19.5								

perfill/r-core3

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 152

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-19sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	1	0.92	0.39	39%	92%
2	5	5	0.36	7%	100%
3	5	5	1.3	26%	100%
4	5	3	2.3	46%	60%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-19sb**

Date of Completion: **5/13/91**

DEP/WPC I.D.:

Monitoring Point Location: **South of boat house**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **467.53**

Well Depth Below Ground Surface: **19.22 ft.**

Top of Steel Casing Elevation (MSL): **469.54**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **469.28**

Screened Interval: **9.22 - 19.22 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **10.97 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#1 Morie Sand**

Grain Size:

Impermeable Backfill:
Volclay

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge Block and Bailer

Time Spent Developing: **1 hour**

Locking X or Threaded Cap

Impermeable Backfill:
Bentonite Pellets

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **10.97 ft.**

Water-Bearing Rock Unit: **Muscovite / Biotite Schist**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **4.5 to 19.5 ft.**

Diameter of Core Hole: **4"**

Thickness and Depth of Impermeable Backfill: **7 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
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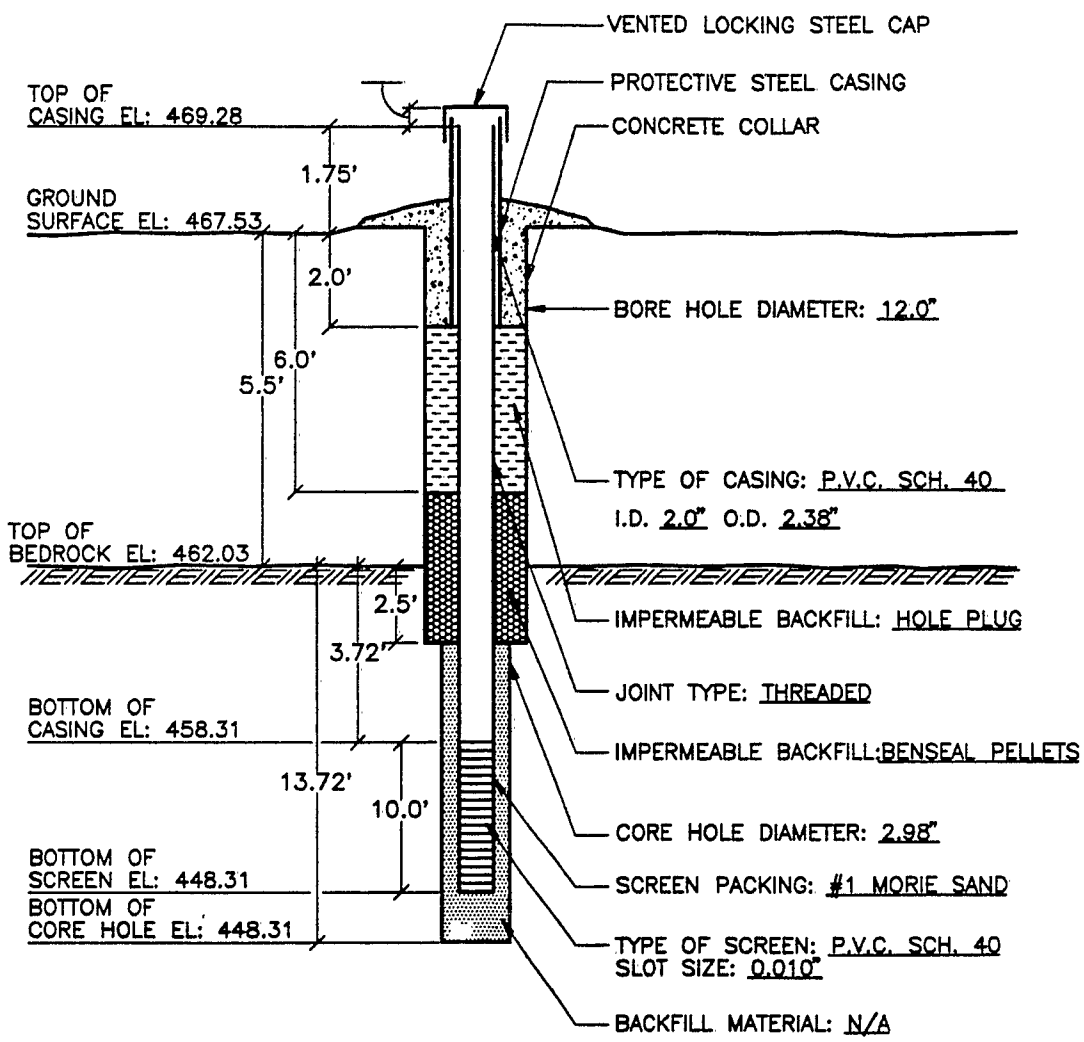
ADMINISTRATIVE RECORD

LIN002 159

WELL NO. MW-19sb



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-19sb
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 4/31/91 SCALE: N.T.S

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-20sb
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fontaine

BORING LOCATION N of pond adjacent to Rt 171
GROUND ELEVATION 425.4
DATE STARTED 05/01/91 DATE FINISHED 05/01/91

DRILLING METHOD Split Spoon / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. NA HAMMER FALL (IN) NA

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		57		24/8	1 0		0-0.3': SAND, VF; some silt; organics; dark yellowish brown (10YR 4/2).		ND	
1.0					6 10		0.3-0.6': SAND, VF; some silt; grayish orange (10YR 7/4).			1.0
2.0	---	58		24/10	15 18		Sand, C, M, F, and C,M,F angular gravel; grayish orange (10YR 7/4).		ND	2.0
3.0					15 20					3.0
4.0		59		12/0	25 50		Sand, F, and C, M, F angular gravel; very pale orange (10YR 8/2).		ND	4.0
5.0					XX XX		NX Core Run #1 Spoon Reject 5 ft.			5.0
6.0							Same as above.			6.0
7.0							Same as above.			7.0
8.0							Same as above.			8.0
9.0							Same as above.			9.0
10.0							NX Core Run #2			10.0
11.0							Same as above.			11.0
12.0							Same as above.			12.0
13.0							Same as above.			13.0
14.0							Same as above.			14.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 5
LITTLE	10 TO 20%	Spin Casing	5 - 7
SOME	20 TO 35%	NX Core	5 - 20
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA Calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-20sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1157

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-20sb
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE David Fotaine

BORING LOCATION N of pond adjacent to Rt 171
GROUND ELEVATION 425.4
DATE STARTED 05/01/91 DATE FINISHED 05/01/91

DRILLING METHOD Split Spoon / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. NA HAMMER FALL (IN) NA

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
15.0							NX Core Run #3			15.0
16.0							Same as above.			16.0
17.0							Same as above.			17.0
18.0							Same as above.			18.0
19.0							Same as above.			19.0
20.0							End of Boring at 20 ft. Welll set at 20 ft.			20.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-20sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 158

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-20sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 5/1/91 DATE FINISHED: 5/1/91
DRILLER: Ray Sima GROUND ELEVATION: 425.40
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: David Fontaine

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	DISCONTINUITIES: FRACTURES PER FOOT	DISCONTINUITIES: DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
5.0	NX Core OVA = ND Slow Rate (1" in 106 sec) Smooth No Fluid Loss	1 5.0 75	1.3	75	1-9 2-6 3-6 4-7	Loose Fractures Planar (17 degrees) Rough Fe Stain	Biotite Schist fine to medium grained weathered	
10.0	NX Core OVA = ND Slow Rate (1" in 80 sec) Smooth 1 lpm Fluid Loss	2 5.0 100	0	25	1-4 2-3 3-4 4-6 5-3	Loose Fractures Some Very Fine Sand in Fill Rough	Biotite Schist sills of granite	
5.0 20.0	NX Core OVA = ND Slow Rate (1" in 80 sec) Smooth Significant Fluid Loss	3 5.0 90	6	38	1-3 2-3 3-3 4-4 5-2 1	Tight Fractures Some Very Fine Sand in Filling Rough	Biotite Schist fine grained sills of granite possible aresenopyrite	

perfill/r-core3

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 159

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-20sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	3.75	3.75	75%	75%
2	5	5	1.26	25%	100%
3	5	4.5	1.89	38%	90%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0150

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-20sb**

Date of Completion: **5/13/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of pond ajacent to 171**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
David Fontaine

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **425.40**

Well Depth Below Ground Surface: **20.45 ft.**

Top of Steel Casing Elevation (MSL): **427.70**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **427.62**

Screened Interval: **10.45 - 20.45 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **12.67 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12.5 ft.**

Well Inside Diameter: **2"**

Material: **#1 Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Benseal

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge Block and Bailer

Time Spent Developing: **1 hour**

Locking or Threaded Cap

Impermeable Backfill:
Benseal

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 P 6 1

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **22.67 ft.**

Water-Bearing Rock Unit: **Muscovite / Biotite Schist**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores:

Diameter of Core Hole: 4"

Thickness and Depth of Impermeable Backfill: **7.5 ft.**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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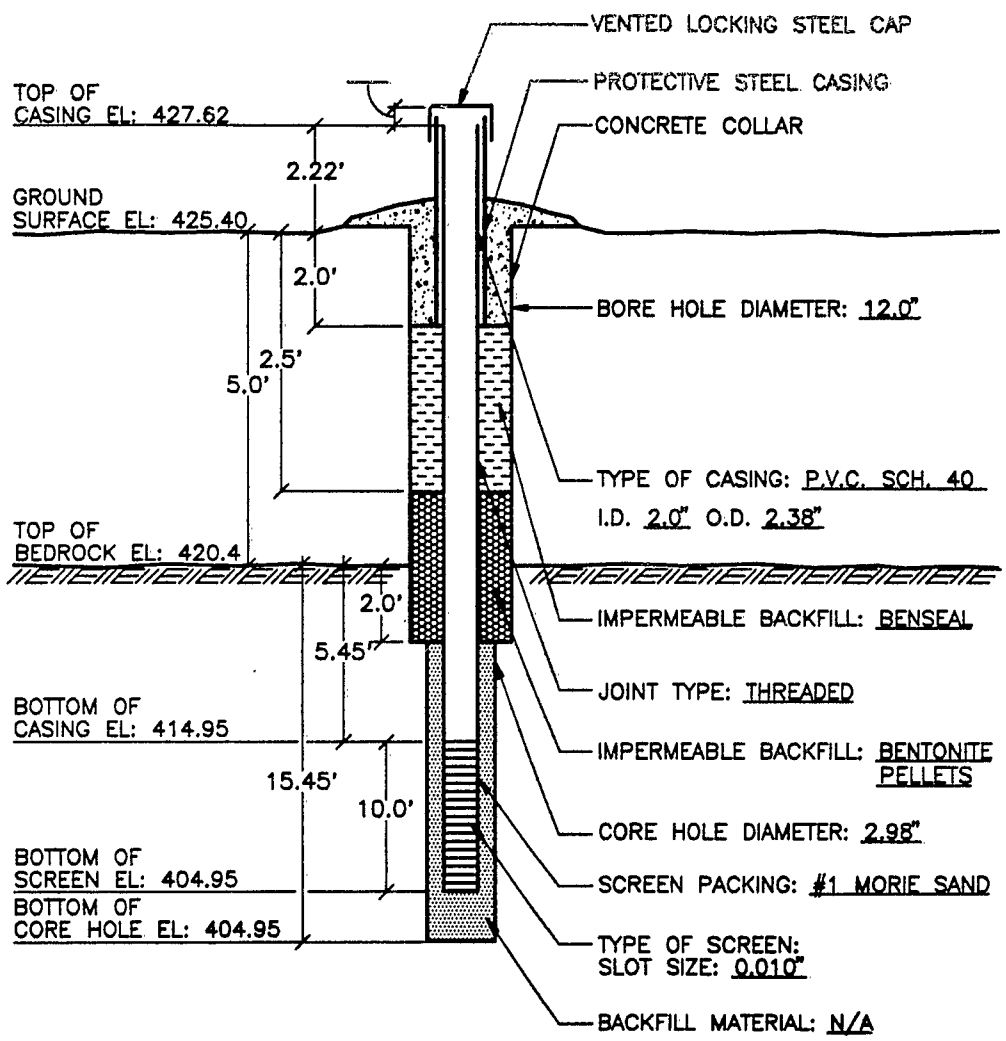
LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
192

WELL NO. MW-20sb



FUSS & O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-20sb
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/1/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0193

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 1 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
	N/A	Roller bitting through overburden and 11 ft. of bedrock. (35 to 46 ft.) Overburden is silty sand, some sand, some gravel,				
		cobbles. Bedrock chips from roller bit appear pegmatite-like.				
		Fracture at 48 ft.				
					0 ppm	

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit	0 - 46
LITTLE 10 TO 20%	Air Rotary/	46 - 408
SOME 20 TO 35%	Air Hammer	
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 154

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 2 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochett

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
55.0	3.5 min	SCHIST, little granite chips, very slightly weathered, no staining				55.0
60.0	3.5 min	SCHIST (Dark Gray/Black)				60.0
65.0	3 min	PEGMATITE, milky quartz color, high muscovite mica content				65.0
70.0	4 min	PEGMATITE, same as above				70.0
75.0	3 min	PEGMATITE, same as above				75.0
77.0		Lithologic change at 77 ft.				77.0
80.0	3.5 min	SCHIST (Dark Gray/Black)				80.0
85.0	3 min	SCHIST with little quartz and mica fragments				85.0
90.0	3 min	SCHIST with some quartz and mica fragments				90.0
95.0	3 min	PEGMATITE with trace schist fragments				95.0
100.0	3 min	SCHIST				100.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1155

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 3 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
105.0	3 min	SCHIST, little granitic / pegmatite chips				105.0
110.0	3.5 min	SCHIST, some granitic / quartz fragments				110.0
115.0	3 min	SCHIST				115.0
120.0	3 min	PEGMATITE, very high muscovite mica content				120.0
125.0	3 min	SCHIST, little granitic / pegmatite fragments				125.0
130.0	3 min	SCHIST, little granitic / pegmatite fragments				130.0
135.0	3 min	SCHIST , little quartz / granitic fragments				135.0
140.0	3 min	SCHIST, little quartz / granitic fragments				140.0
145.0	3 min	SCHIST, some quartz / pegmatite fragments				145.0
150.0	3 min	SCHIST, some Dark Gray granitic fragments				150.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
ITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0159

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 4 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
155.0	3 min	SCHIST				155.0
160.0	3 min	SCHIST				160.0
165.0	2.5 min	SCHIST				165.0
170.0	2.5 min	SCHIST, little quartz / granitic fragments				170.
175.0	2 min	SCHIST, little quartz / granitic fragments				175.0
180.0	2.5 min	SCHIST				180.0
185.0	2.5 min	SCHIST				185.0
190.0	2.5 min	PEGMATITE (quartz, mica, prevalent)				190.0
195.0	2.5 min	SCHIST				195.0
200.0	2.5 min	SCHIST				200.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 6 7

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 5 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
205.0	3 min	PEGMATITE				205.0
210.0	3 min	PEGMATITE				210.0
215.0	3 min	PEGMTITE wth little schist chips				215.0
220.0	3 min	SCHIST				220.0
225.0	3 min	SCHIST				225.0
230.0	3 min	SCHIST				230.0
235.0	3 min	SCHIST				235.0
240.0	3 min	SCHIST				240.0
245.0	3 min	SCHIST				245.0
250.0	3 min	SCHIST				250.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0158

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 6 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
255.0	3 min	SCHIST				255.0
260.0	3 min	SCHIST				260.0
265.0	3 min	SCHIST				265.0
270.0	3 min	SCHIST				270.
275.0	3 min	SCHIST				275.0
280.0	3 min	SCHIST				280.0
285.0	3 min	SCHIST				285.0
290.0	3 min	SCHIST				290.0
295.0	3 min	SCHIST				295.0
300.0	3 min	SCHIST				300.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1159

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 7 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
305.0	3 min	SCHIST				305.0
310.0	3 min	SCHIST				310.0
315.0	3 min	SCHIST				315.0
320.0	6 min	SCHIST				320.0
325.0	6 min	SCHIST				325.0
330.0	6 min	SCHIST				330.0
335.0	6 min	SCHIST				335.0
340.0	5.5 min	SCHIST				340.0
345.0	5.5 min	SCHIST				345.0
350.0	5.5 min	SCHIST				350.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-21db SHEET 8 OF 8 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South west of office
GROUND ELEVATION 550.0
DATE STARTED 04/24/91 DATE FINISHED 04/26/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
305.0	5.5 min	SCHIST				305.0
360.0	5.5 min	SCHIST				360.0
365.0	5.5 min	SCHIST				365.0
370.0	5.5 min	SCHIST				370.
375.0	5.5 min	SCHIST				375.0
380.0	5.5 min	SCHIST				380.0
385.0	5 min	SCHIST				385.0
390.0	5 min	SCHIST				390.0
395.0	5 min	SCHIST				395.0
400.0	5 min	SCHIST		.75-1 gpm		400.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-21db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-21db**

Date of Completion: **4/25/91**

DEP/WPC I.D.:

Monitoring Point Location: **South west of office**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **550.00**

Well Depth Below Ground Surface: **411 ft.**

Top of Steel Casing Elevation (MSL): **549.29**

Refusal: Yes No: **X**

Top of PVC Casing Elevation (MSL):

Screened Interval: **46 - 411 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **46 ft.**

Screen Type:

Screen Slot Size: **N/A**

Filter Fabric: Yes No **X**

Screen Packing: Yes No: **X**

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Surge and Bail

Time Spent Developing: **3 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 C1 2

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **46 ft.**

Water-Bearing Rock Unit: **Schist / little pegmatite**

Water-Bearing Sections (Depths and Approximate Yields): **.75 - 1 gpm**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill:

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.I.j. and G.4.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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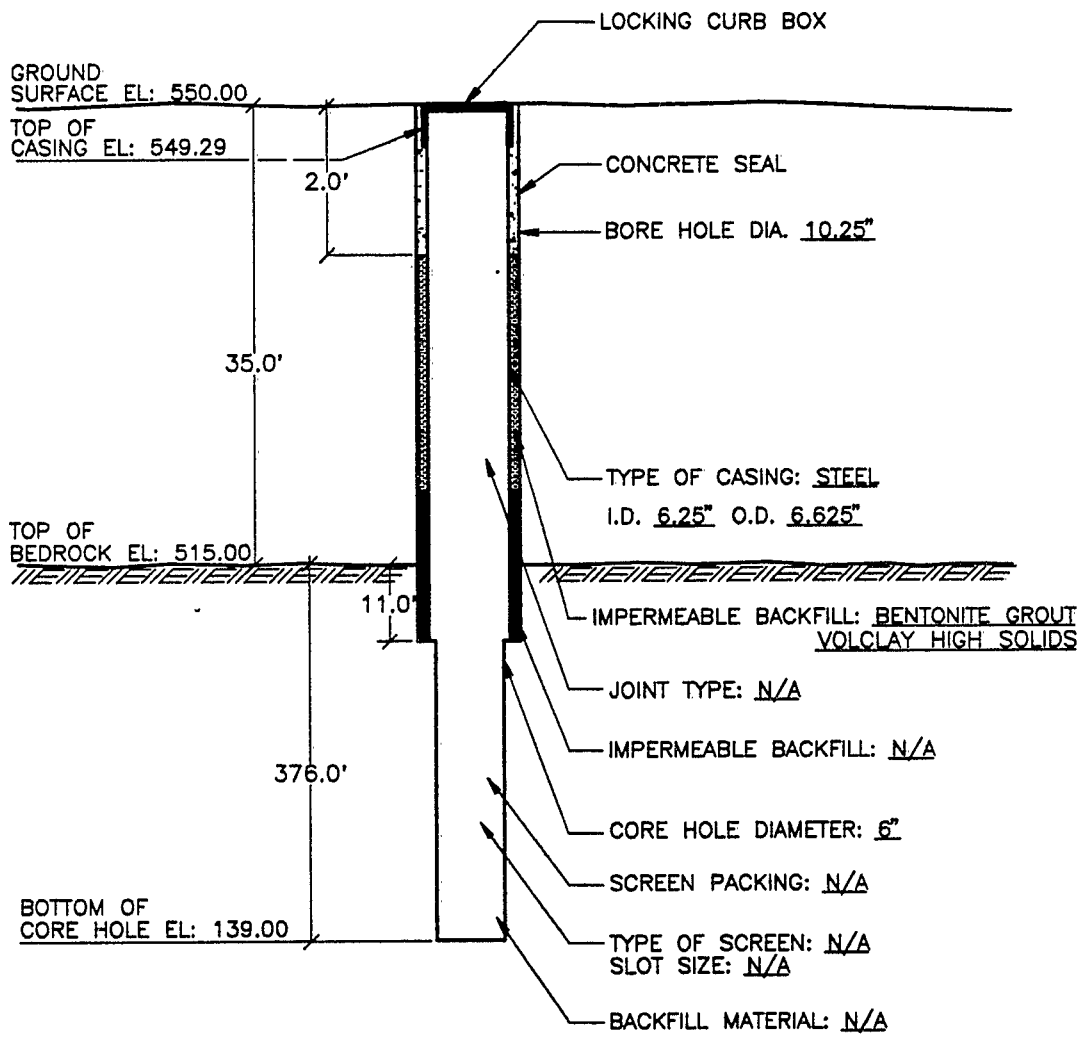
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

WELL NO. MW-21db



FUSS & O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-21db
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/20/91 SCALE: N.T.S

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-22db SHEET 1 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South of facility
GROUND ELEVATION 503.1
DATE STARTED 04/22/91 DATE FINISHED 04/22/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
50.0	3.5 min	0-23': TILL, schist @ 23 ft. SCHIST, some pegmatite, stained fragments				50.0
55.0	3.5 min	SCHIST, some pegmatite, some stained fragments				55.0
60.0	4 min	PEGMATITE, high quartz content, some muscovite mica				60.0
65.0	4 min	SCHIST, unstained				65.0
70.0	4 min	SCHIST				70.0
75.0	5 min	SCHIST				75.0
80.0	4.5 min	SCHIST				80.0
85.0	4.5 min	SCHIST	Fracture at 87 ft., small amount of		0 ppm	85.0
90.0	4 min	SCHIST, stained fragments	water-cloudy			90.0
95.0	5 min	SCHIST				95.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	Roller Bit	0 - 40
LITTLE	10 TO 20%	Air Rotary/	
SOME	20 TO 35%	Air Hammer	40 - 348
AND	35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrate to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-22db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 115

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-22db SHEET 2 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South of facility
GROUND ELEVATION 503.1
DATE STARTED 04/22/91 DATE FINISHED 04/22/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
100.0	5 min	SCHIST				100.0
105.0	5 min	SCHIST				105.0
110.0	5 min	SCHIST				110.0
115.0	5 min	SCHIST, little granitic / pegmatite fragments				115
120.0	5 min	SCHIST				120.0
125.0	5 min	SCHIST				125.0
130.0	4.5 min	SCHIST				130.0
135.0	4.5 min	SCHIST				135.0
140.0	4.5 min	SCHIST				140.0
145.0	4.5 min	SCHIST				145.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-22db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 119

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-22db SHEET 3 OF 6 JOB. NO. 86-83

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South of facility
GROUND ELEVATION 503.1
DATE STARTED 04/22/91 DATE FINISHED 04/22/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
150.0	4 min	SCHIST				150.0
155.0	4 min	SCHIST				155.0
160.0	4 min	SCHIST				160.0
165.0	4.5 min	SCHIST				165.0
170.0	4.5 min	SCHIST, stained fragments				170.0
175.0	5 min	SCHIST, stained fragments				175.0
180.0	5 min	SCHIST				180.0
185.0	4.5 min	SCHIST				185.0
190.0	4 min	SCHIST, stained fragments	Large fracture at 190 ft., water, brown, musty smell		0 ppm	190.0
195.0	5 min	SCHIST				195.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
TTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-22db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-22db SHEET 4 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South of facility
GROUND ELEVATION 503.1
DATE STARTED 04/22/91 DATE FINISHED 04/22/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT)
205.0	5 min	SCHIST				205.0
210.0	5 min	SCHIST, little quartz / pegmatite fragments				210.0
215.0	5 min	SCHIST				215.0
220.0	5 min	SCHIST				220.0
225.0	5.5 min	SCHIST				225.0
230.0	5.5 min	SCHIST				230.0
235.0	5.5 min	SCHIST				235.0
240.0	5 min	SCHIST				240.0
245.0	5.5 min	SCHIST				245.0
250.0	5.5 min	SCHIST				250.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-22db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
8 1 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-22db SHEET 5 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South of facility
GROUND ELEVATION 503.1
DATE STARTED 04/22/91 DATE FINISHED 04/22/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
255.0	5.5 min	SCHIST				255.0
260.0	5.5 min	SCHIST				260.0
265.0	5 min	SCHIST				265.0
270.0	5 min	SCHIST				270.0
275.0	5 min	SCHIST				275.0
280.0	5.5 min	SCHIST				280.0
285.0	5 min	SCHIST				285.0
290.0	5.5 min	SCHIST				290.0
295.0	5 min	SCHIST				295.0
300.0	5 min	SCHIST				300.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-22db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
179

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-22db SHEET 6 OF 6 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION South of facility
GROUND ELEVATION 503.1
DATE STARTED 04/22/91 DATE FINISHED 04/22/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
305.0	5 min	SCHIST				305.0
310.0	5.5 min	SCHIST				310.0
315.0	5.5 min	SCHIST				315.0
320.0	5 min	SCHIST				320.0
325.0	5 min	SCHIST				325.0
330.0	5 min	SCHIST				330.0
335.0	5 min	SCHIST				335.0
340.0	5 min	SCHIST				340.0
345.0	5 min	SCHIST				345.0
				30 gpm		

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:

FIELD INSTRUMENT= OVM calibrated to 100 ppm isobutane.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-22db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

0181

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-22db**

Date of Completion: **4/22/91**

DEP/WPC I.D.:

Monitoring Point Location: **South of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary**
Air Hammer

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **503.09**

Well Depth Below Ground Surface: **348 ft.**

Top of Steel Casing Elevation (MSL): **504.52**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **40 - 348 ft.**

Length of Screen: **N/A**

Length of Riser Pipe: **41.43 ft.**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No X

Screen Packing: Yes No: X

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:
Surge and Bail

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
281

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **41.43 ft.**

Water-Bearing Rock Unit: **Schist / pegmatite**

Water-Bearing Sections (Depths and Approximate Yields): **87 ft., 190 ft. Total 30 gpm**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill: **3 ft. Bent. Pellets, 37 ft. Volclay**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

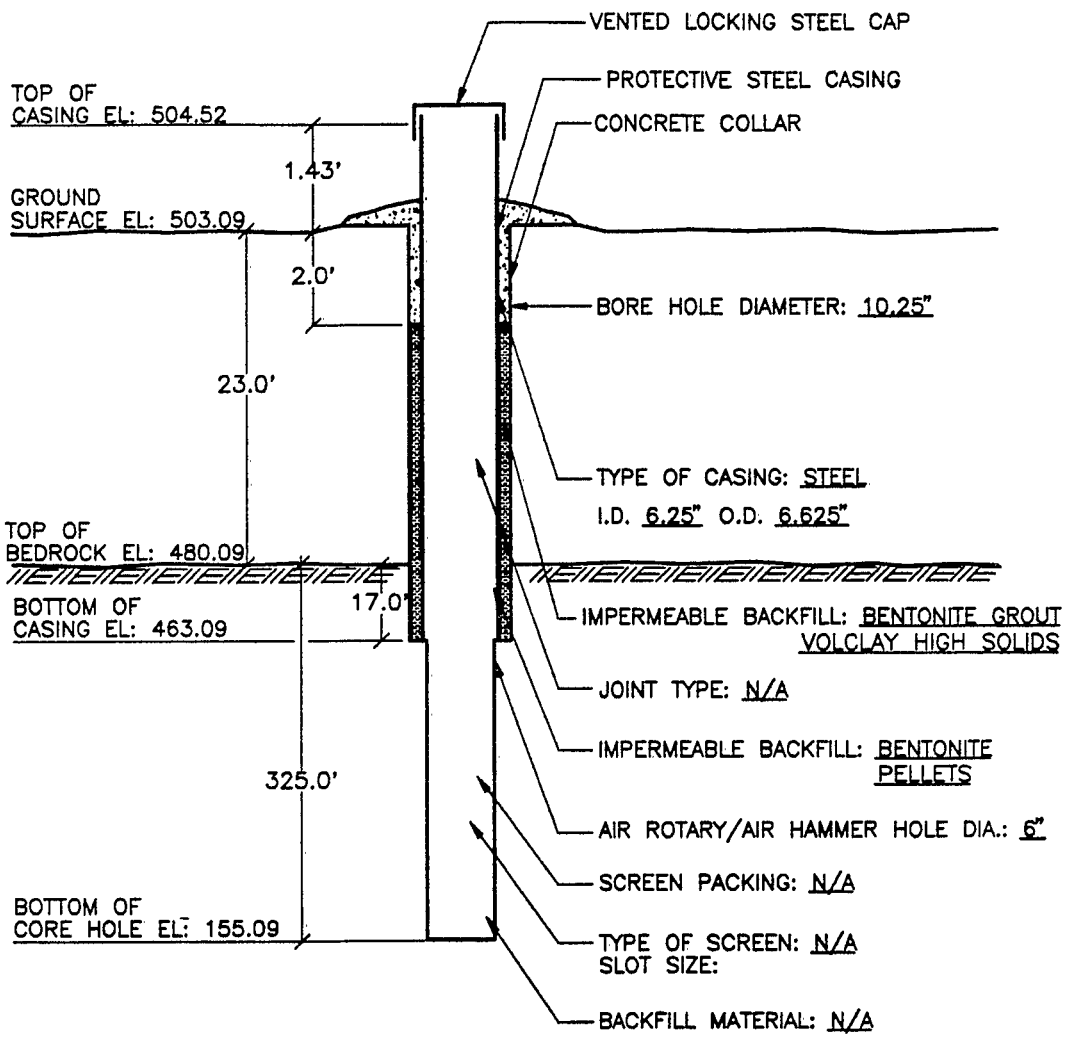
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-22db



FUSS&O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-22db
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 5/20/91 SCALE: N.T.S

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 1083

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-23t SHEET 1 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION 570.1
DATE STARTED 06/14/91 DATE FINISHED 06/14/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	24/10	3 7 8 21		SAND, silty; trace gravel; dark yellowish brown (10YR 5/4).		19 ppm	
2.0			2-4	24/10	26 24 23 32		SAND, silty, trending toward till composition at the spoon bottom, dark yellowish brown (10YR 5/4).		7 ppm	2.0
4.0			4-6	24/10	12 19 21 26		Same as above, little gravel.		60 ppm	4.0
6.0			6-8	6/6	50 (6)		Same as above.		150 ppm	6.0
8.0		17	8-10	24/24	5 9 12 18		TILL, fine grained; little to some gravel; light olive gray (5Y 5/2).		110 ppm	8.0
10.0			10-12	24/24	4 6 9 14		Same as above.		50 ppm	10.0
12.0			12-14	12/12	15 50 (6)		Same as above, except light olive gray (5Y 5/2) to olive gray (5Y 5/3).		6 ppm	12.0
14.0			14-16	24/22	7 7 12 13		Same as above, schist fragments in sample.		20 ppm	14.0
16.0			16-18	24/18	6 8 12 17		Same as above.		30 ppm	16.0
18.0		18	18-20	24/24	7 8 12 15		Same as above.		200 ppm	18.0
20.0			20-22	24/16	16 8 8 12		Same as above.		100 ppm	20.0
22.0			22-24	24/23	10 12 11 13		Same as above.		250 ppm	22.0
24.0			24-26	24/24	6 6 6 9		Same as above.		220 ppm	24.0
26.0			26-28	24/22	7 7 12 14		Same as above.		80 ppm	26.0
28.0		19	28-30	24/20	3 4 6 9		Same as above.		140 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 68
TTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-23t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 489

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODTSOCK, CONNECTICUT	BORING NO. MW-23t SHEET 2 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION 570.1
DATE STARTED 06/14/91 DATE FINISHED 06/14/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0			30-32	24/22	3 5 8 9		Same as above.		150 ppm	30.0
32.0			32-34	24/4	5 7 10 12		Same as above.		120 ppm	32.0
34.0			34-36	24/20	3 7 9 11		Same as above.		160 ppm	34.0
36.0			36-38	24/20	8 8 9 13		Same as above.		160 ppm	36.0
38.0			38-40	24/6	7 8 10 10		Same as above.		120 ppm	38.0
40.0			40-42	24/16	8 9 11 16		Same as above, schist fragments and grindings.		60 ppm	40.0
42.0			42-44	24/6	8 9 13 16		Same as above.		60 ppm	42.0
44.0		20	44-46	24/10	10 10 13 17		Same as above.		15 ppm	44.0
46.0			46-48	24/10	10 12 16 18		Same as above.		30 ppm	46.0
48.0			48-50	24/18	4 9 11 15		Same as above.		5.6 ppm	48.0
50.0			50-52	24/16	9 11 18 22		Same as above.		16 ppm	50.0
52.0			52-54	24/20	9 14 18 26		Same as above, pegmatite fragments show biotite and pyrite.		6 ppm	52.0
54.0			54-56	24/14	23 24 16 17		Same as above.		1.3 ppm	54.0
56.0			56-58	24/24	14 15 18 17		Same as above, schist and pegmatite fragments.		1 ppm	56.0
58.0			58-60	24/16	13 13 12 19		Same as above.		1 ppm	58.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:

FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-23t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
585

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-23t SHEET 3 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION 570.1
DATE STARTED 06/14/91 DATE FINISHED 06/14/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
60.0			60-62	24/8	7 10 12 15		Same as above.	1 ppm		60.0
62.0			62-64	24/20	10 12 18 18		Same as above, weathered schist fragments.	1 ppm		62.0
64.0			64-66	24/20	4 7 8 25		Same as above.	1.3 ppm		64.0
66.0			66-68	24/16	11 15 18 26		Same as above.			66.0
68.0							Bedrock at 69 ft.			68.0
70.0										70.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		
perfill\wellog04			

REMARKS:
FIELD INSTRUMENT= OVA / OVM calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-23t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 186

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-23t**

Date of Completion: **6/14/91**

DEP/WPC I.D.:

Monitoring Point Location: **Northwest of Paint Shed**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt & Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **570.09**

Well Depth Below Ground Surface: **25.84 ft.**

Top of Steel Casing Elevation (MSL): **570.09**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **569.62**

Screened Interval: **15.84 - 25.84 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **15.37 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
Volclay

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite Pellets

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 8 1

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 8 8

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

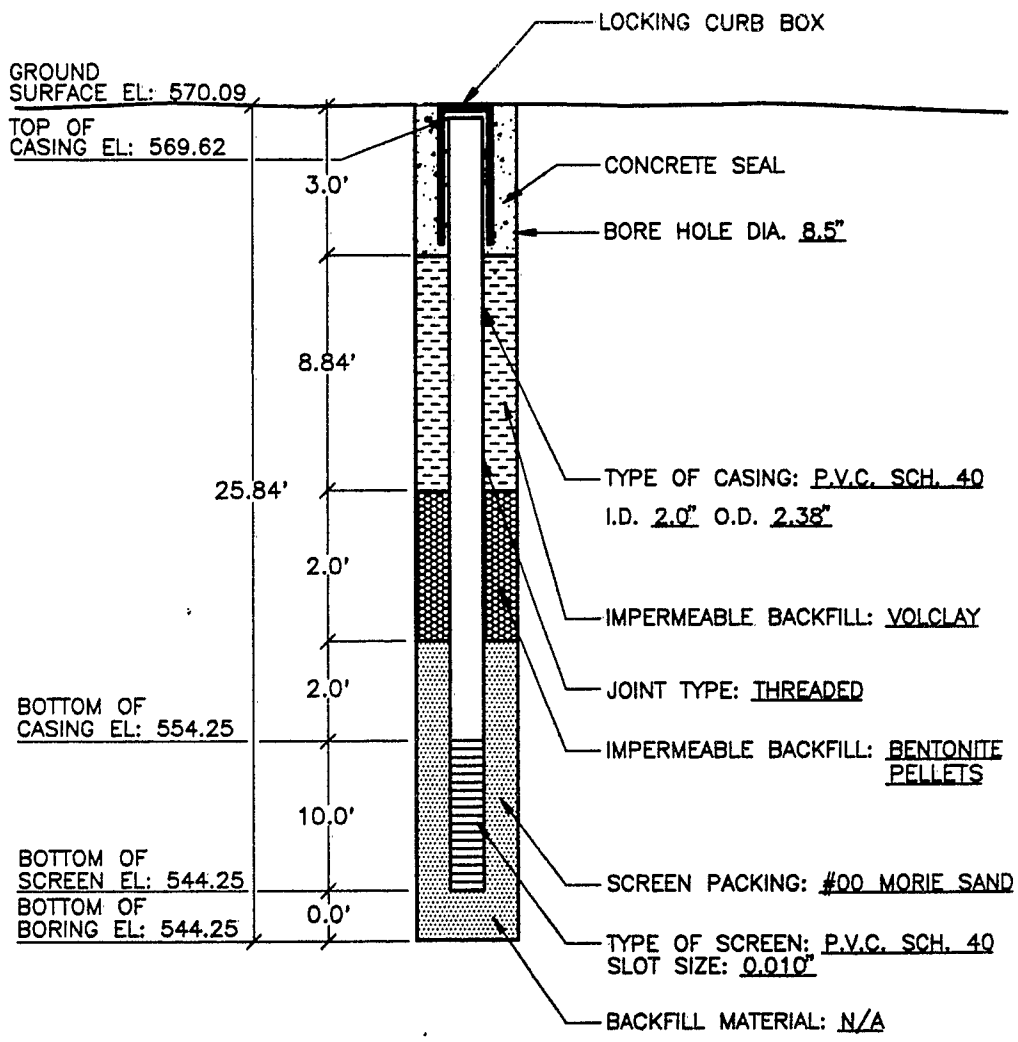
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-23t



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-23t
LINEMASTER SWITCH COR
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 6/14/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
581

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-24t SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION 568.1
DATE STARTED 06/19/91 DATE FINISHED 06/19/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2	24/8	3 9 12 26		SAND, silty; little to some gravel; dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4).	Topsoil	1 ppm	
2.0			2-4	24/10	18 29 36 31		Same as above.		3 ppm	2.0
4.0		51	4-6	24/18	12 16 18 18		Same as above trending toward till composition, light olive gray (5Y 5/2). 8" from bottom, some subangular gravel.		1 ppm	4.0
6.0			6-8	24/16	18 24 28 36		Same till, moderate yellowish brown (10YR 5/4) to light olive gray (5Y 5/2).		.5 ppm	6.0
8.0		52	8-10	24/16	16 18 20 21		Same as above, except coarser patch on sample 8" from spoon bottom.		1 ppm	8.0
10.0			10-12	24/20	6 8 10 11		Same as above, gravel is pegmatite and schist pieces, light olive gray (5Y 5/2).		5 ppm	10.0
12.0			12-14	24/22	10 12 14 18		Same as above, damp.		6 ppm	12.0
14.0		53	14-16	24/22	5 8 10 17		Same as above.		4 ppm	14.0
16.0			16-18	24/22	13 14 16 15		Same as above.		12 ppm	16.0
18.0			18-20	24/20	15 16 16 17		Same as above, except olive gray (5Y 3/2).		7 ppm	18.0
20.0			20-22	24/20	7 8 8 9		Same as above.		8 ppm	20.0
22.0			22-24	24/20	12 13 14 14		Same as above.		6 ppm	22.0
24.0		55	24-26	24/16	3 5 8 10		Same as above.		2 ppm	24.0
26.0			26-28	24/20	8 8 9 11		Same as above.		1 ppm	26.0
28.0		56	28-30	24/20	3 5 7 9		Same as above.		3 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-24t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0691

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-24t
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dom Briglia
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION 558.1
DATE STARTED 06/19/91 DATE FINISHED 06/19/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0			30-32	24/8	5 7 7 9		Same as above.		4 ppm	30.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-24t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 191

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ADMINISTRATIVE RECORD

LIN002 261

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-24t**

Date of Completion: **6/19/91**

DEP/WPC I.D.:

Monitoring Point Location: **West of Paint Shed**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt & Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.11**

Well Depth Below Ground Surface: **26.43 ft.**

Top of Steel Casing Elevation (MSL): **568.12**

Refusal: Yes No:

Top of PVC Casing Elevation (MSL): **567.67**

Screened Interval: **16.43 - 26.43 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **15.99 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
Volclay

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill:
Bentonite Pellets

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

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ADMINISTRATIVE RECORD
LIN002 193

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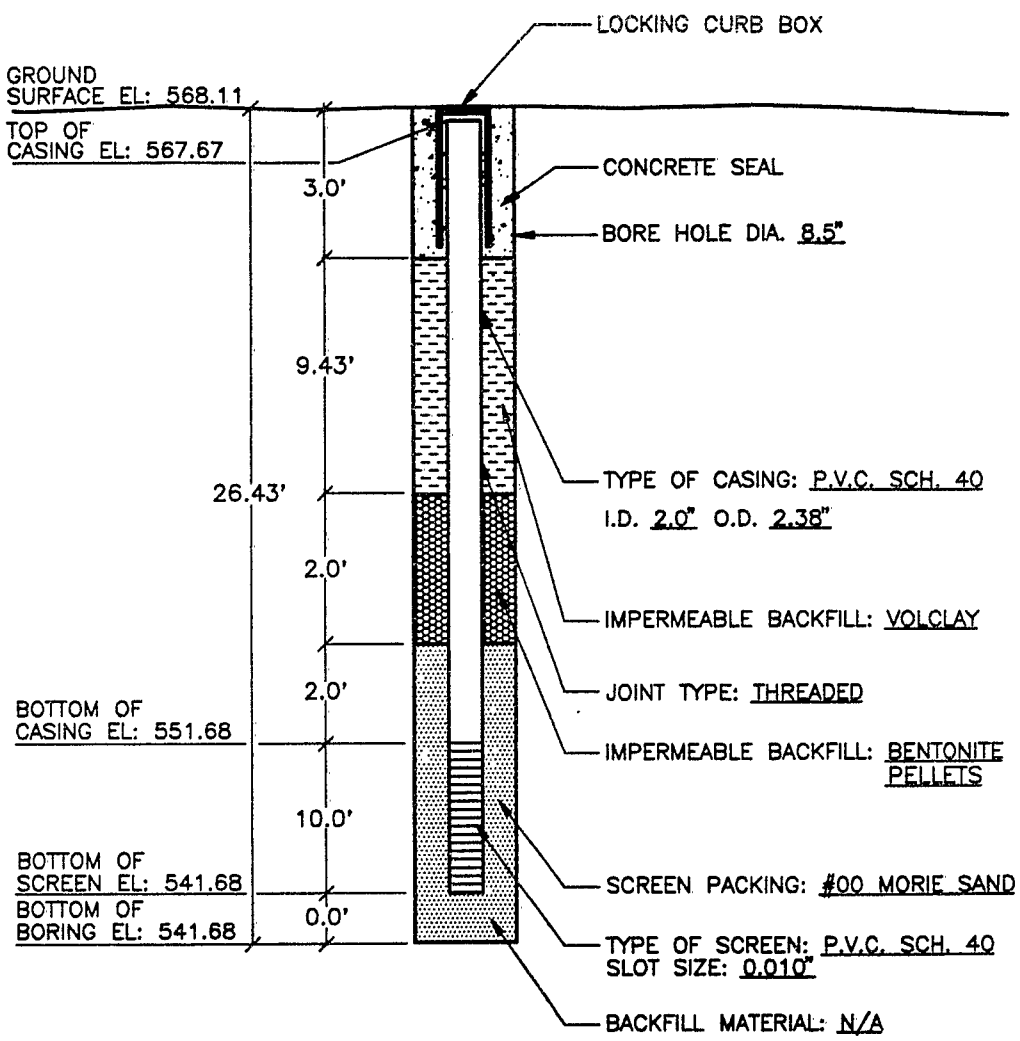
ADMINISTRATIVE RECORD

LIN002

WELL NO. MW-24t



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-24t
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 6/19/91 SCALE: N.T.S

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-25t SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION 570.9
DATE STARTED 06/21/91 DATE FINISHED 06/21/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN./REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
2.0										2.0
4.0		70	5-7	24/16	5 5		SAND, silty; trending toward till at the spoon bottom; little to		0 ppm	4.0
6.0					8 12		some gravel; dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4).			6.0
8.0										8.0
10.0		71	10-12	24/16	14 14 15 15		Same as above.		1 ppm	10.0
12.0			12-14	24/18			TILL, fine grained; some to little gravel.		.5 ppm	12.0
14.0		72	14-16	24/18	5 8 12 15		Same as above, except light olive gray (5Y 3/2).		4 ppm	14.0
16.0			16-18	24/18	12 15 18 20		Same as above.		15 ppm	16.0
18.0		73	18-20	24/18	10 20 15 15		Same as above, light olive gray (5Y 3/2) to olive gray (5Y 5/2), damp.		20 ppm	18.0
20.0			20-22	24/18	12 12 24 18		Same as above.		12 ppm	20.0
22.0		74	22-24	24/20	5 6 8 8				5 ppm	22.0
24.0			25-27	24/20	5 6		Same as above.	Boulder	7 ppm	24.0
26.0			27-29	24/18	15 20 15 15		Same as above.		4 ppm	26.0
28.0		75	29-31	24/18	18 24 8 11		Same as above.		4 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-25t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0155

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-25t SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION Zone #4
GROUND ELEVATION 570.9
DATE STARTED 06/21/91 DATE FINISHED 06/21/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
30.0					15 50					30.0
32.0										32.0
34.0		76	35-37				Same as above.		1 ppm	34.0
36.0										36.0
38.0										38.0
40.0										
42.0										42.0
44.0		77	45-47	12/6	40 60		Same as above.		1 ppm	44.0
46.0										46.0
48.0			48-50		52 40 60		BEDROCK. No sample.			48.0
50.0										50.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-25t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 195

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-25t**

Date of Completion: **6/21/91**

DEP/WPC I.D.:

Monitoring Point Location: (relative to site features) **Between Paint Shed and Main Building**

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Sarah Rochelt & Paul LaRock**

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **570.91**

Well Depth Below Ground Surface: **26.29 ft.**

Top of Steel Casing Elevation (MSL): **570.91**

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL): **570.34**

Screened Interval: **16.29 - 26.29 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **15.72 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill: **Volclay**

Well Casing Material and Schedule: **Schedule 40 PVC**

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill: **Bentonite Pellets**

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
197

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
861

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

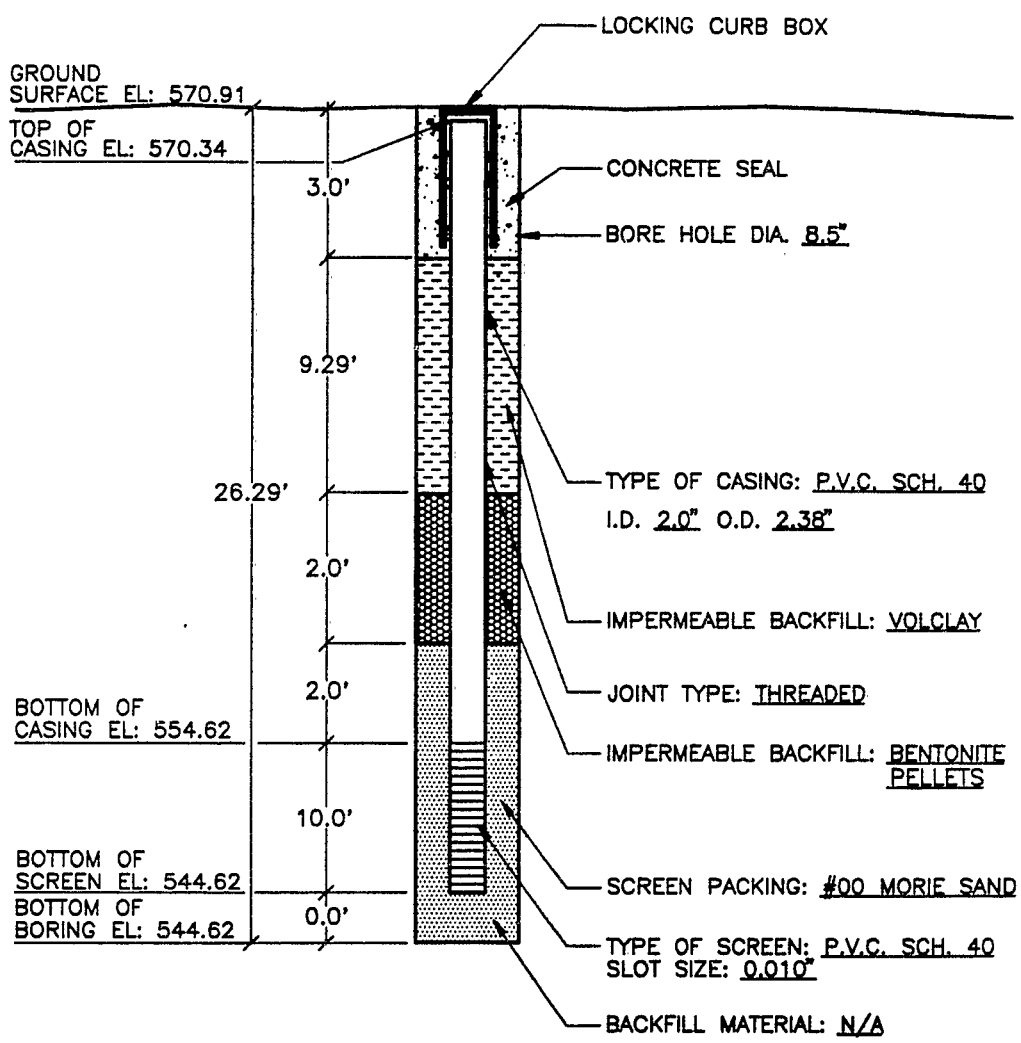
Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-25t



FUSS & O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-25t
LINEMASTER SWITCH CORP.
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 6/21/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
669

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-26t
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION East of Main Facility
GROUND ELEVATION 568.8
DATE STARTED 06/27/91 DATE FINISHED 06/28/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
2.0										2.0
4.0			5-6	12/4			SAND, silty; little to some gravel; trending toward till		100 ppm	4.0
6.0							composition, dark yellowish brown (10YR 4/2).			6.0
8.0		99	9-10	12/6			Boulder at 8 ft. TILL, fine grained; some gravel; light olive gray (5Y 5/2) to olive		20 ppm	8.0
10.0							gray (5Y 3/2).			10.0
12.0										12.0
14.0			14-15	12/8			Same as above, olive gray (5Y 3/2), very wet. Augered through old curtain drain.			14.0
16.0										16.0
18.0		100	19-20	12/8			Same as above damp.		210 ppm	18.0
20.0										20.0
22.0										22.0
24.0		101	24-25	12/8			Same as above, except light olive gray (5Y 5/2) to olive gray (5Y 3/2).		800 ppm	24.0
26.0										26.0
28.0		102	28-29	12/8			Same as above.		850 ppm	28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane
Angle boring 63 degrees.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-26t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0220

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-26t
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. J. R., P. D. L.

BORING LOCATION East of Main Facility
GROUND ELEVATION 568.8
DATE STARTED 06/27/91 DATE FINISHED 06/28/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0										30.0
32.0										32.0
34.0			35-36				Same as above.		950 ppm	34.0
36.0										36.0
38.0		103	39-40				Same as above.		>1000 ppm	38.0
40.0										40.
42.0										42.0
44.0			44-45				Same as above, wet from water added by driller to free the auger plug.			44.0
46.0										46.0
48.0							Refusal at 49 ft.			48.0
50.0										50.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane
Angle boring 63 degrees.

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-26t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 0 1

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-26t**

Date of Completion: **6/27/91**

DEP/WPC I.D.:

Monitoring Point Location: **Back of Main Facility Building**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt & Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.81**

Well Depth Below Ground Surface: **44.41 ft.**

Top of Steel Casing Elevation (MSL): **569.96**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **569.65**

Screened Interval: **35.50 - 44.41 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **40.68 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
Volclay

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite Pellets

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 0 2

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 203

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Till**

Inferred Relationship to Plume; Within **X** Outside Edge

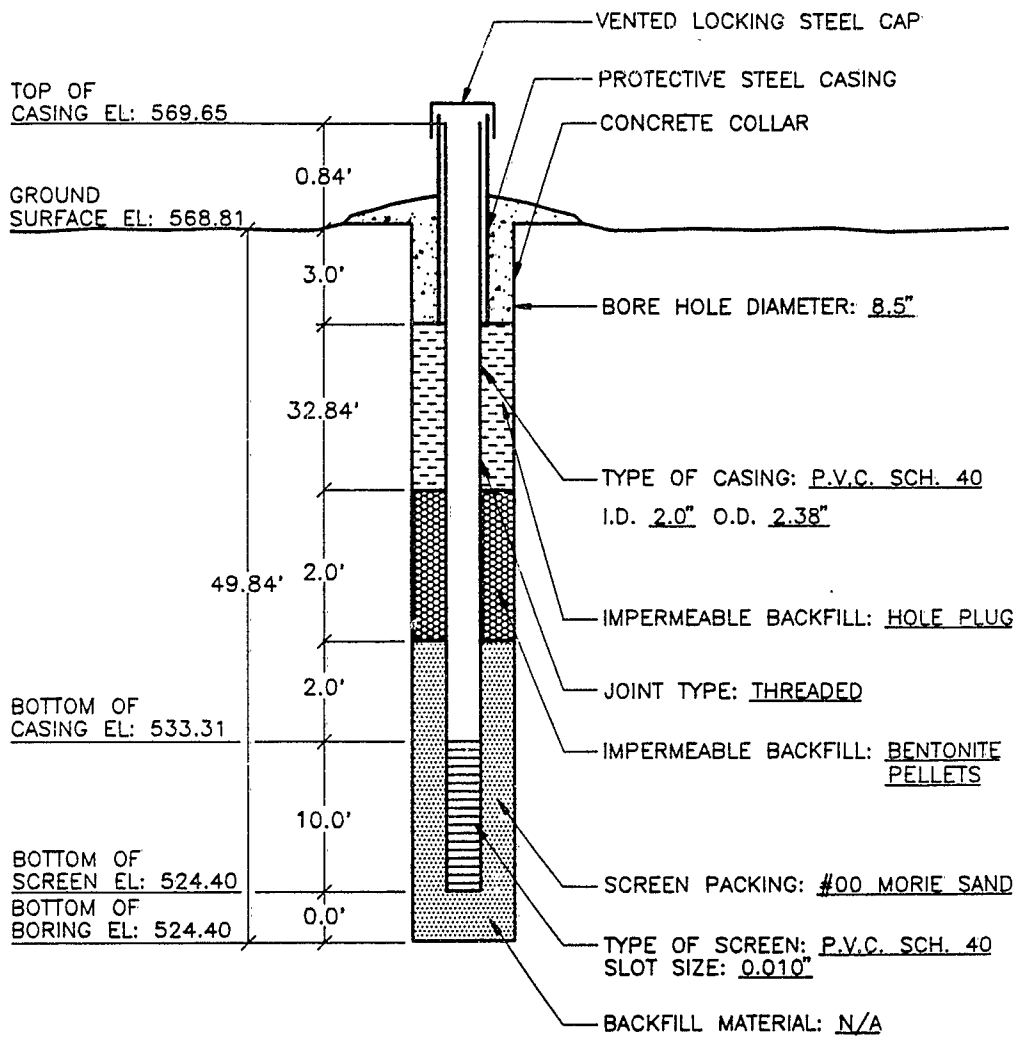
Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-26t
(ANGLE WELL)

WELL INSTALLED AT 63° ANGLE



FUSS&O'NEILL inc
consulting engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(203) 646-2469

WELL CONSTRUCTION DETAILS
MW-26t (ANGLE WELL)
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.

PROJ. NO. 86-88 DATE: 6/27/91 SCALE: N.T.S

FILENAME: MW-26t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 204

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-27t
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION North of facility
GROUND ELEVATION 538.0
DATE STARTED 10/14/91 DATE FINISHED 10/14/91

DRILLING METHOD Roller Bit
SAMPLING METHOD Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2				LITTER, leaf; topsoil.			
			2-128			Compact	TILL, F; little to some subangular gravel and schist fragments; olive gray.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit	0 - 128
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-27t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 205

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-27t**

Date of Completion: **10/14/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Roller Bit**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **537.97**

Well Depth Below Ground Surface: **143 ft.**

Top of Steel Casing Elevation (MSL): **537.95**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **537.70**

Screened Interval: **115.96 - 125.96 '** :

Length of Screen: **10 ft.**

Length of Riser Pipe:

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2'**

Material: **#1 Morie Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Till**

Inferred Relationship to Plume; Within Outside **X** Edge

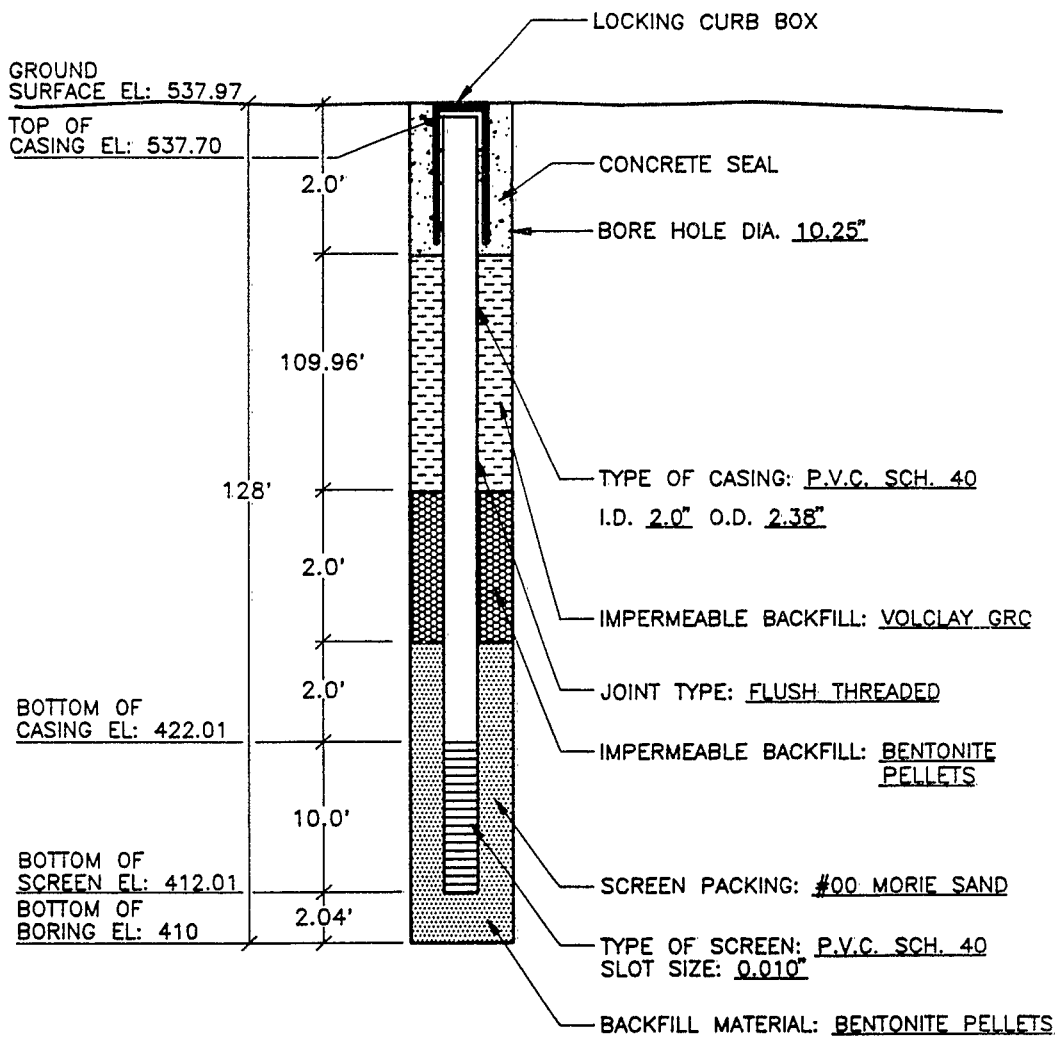
Watershed (Plume Discharge Watercourse): **Mill Pond**

Aquifer Materials (Attach Boring Log):

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 2071

WELL NO. MW-27t



FUSS&O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-27t
LINEMASTER SWITCH COR...
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 10/14/91 SCALE: N.T.S

FILENAME: MW-27t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0202

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-27sb
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION North of facility
GROUND ELEVATION 537.5
DATE STARTED 10/10/91 DATE FINISHED 10/10/91

DRILLING METHOD Roller Bit / NX Core
SAMPLING METHOD NX Core
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
10/14/91	PVC	53.08	

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
			0-2		TIME		LITTER, leaf; topsoil.			
			2-128				TILL, F; little to some subangular gravel and schist fragments; olive gray.			
		Run #1	128-133	60/0	22 min		No recovery from core barrel. Bedrock very breakable and soft.			
		Run #2	133-138	60/0	35 min		Same as above.			
		Run #3	128-143.5	66/56	60 min		Core is soft, weathered, friable, grayish brown schist with pegmatite - quartz. Intrusions - banding.			

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

perfill\wellog04

BORING METHOD	DEPTH
Roller Bit	0 - 128
NX Core	128 - 143.5

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-27sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-27sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 10/10/91 DATE FINISHED: 10/10/91
DRILLER: Rob Sima GROUND ELEVATION:
CORING METHOD: Diamond NX Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: Sarah Rochelt

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	DISCONTINUITIES: FRACTURES PER FOOT	DISCONTINUITIES: DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
128	NX CORE OVA = ND Core barrel chattering slightly Coring 5 ft./22 min.	1 5 ft. 0 %	-	-	-	-	-	
133	NX Core OVA = ND Core barrel chattering slightly Coring 5 ft./35 min.	2 5 ft. 0 %	--	-	-	-	-	
138	NX Core OVA = ND Core barrel chattering slightly Coring 5.5 ft./60 min.	3 5.5 ft. 86 %		15	7/1 5/2 10/3 7/4 10/.7 I	Loose fractures throughout core. Many broken pieces caused by drilling. Fractures are parallel with foliation 5-10 degrees. Core is extremely altered and weathered, very friable, crushable. Pieces easily broken off.	Weathered/altered biotite schist with quartz and pegmatite banding. Intrusions. F-M grained. Areas of pegmatite crumble away when handled.	
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 1 0

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-27sb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	0	0	0%	0%
2	5	0	0	0%	0%
3	5.5	4.67	0.825	15%	85%

perfill\rqdlmstr

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodtsock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-27sb**

Date of Completion: **10/11/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **537.45**

Well Depth Below Ground Surface: **143 ft.**

Top of Steel Casing Elevation (MSL): **537.42**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **537.14**

Screened Interval: **133 - 143 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe:

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#1 Morie Sand**

Grain Size: **# 1**

Impermeable Backfill:
Benseal

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 2 1 2

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 1 3

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length:

Water-Bearing Rock Unit: **Schist / pegmatite**

Water-Bearing Sections (Depths and Approximate Yields): **131 to 143 ft.**

Length of Rock Cores: **15 ft.**

Diameter of Core Hole: **3 in.**

Thickness and Depth of Impermeable Backfill: **128 to 131 ft., 0 to 128 ft.**

O-ring Seals: Yes: No: X

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

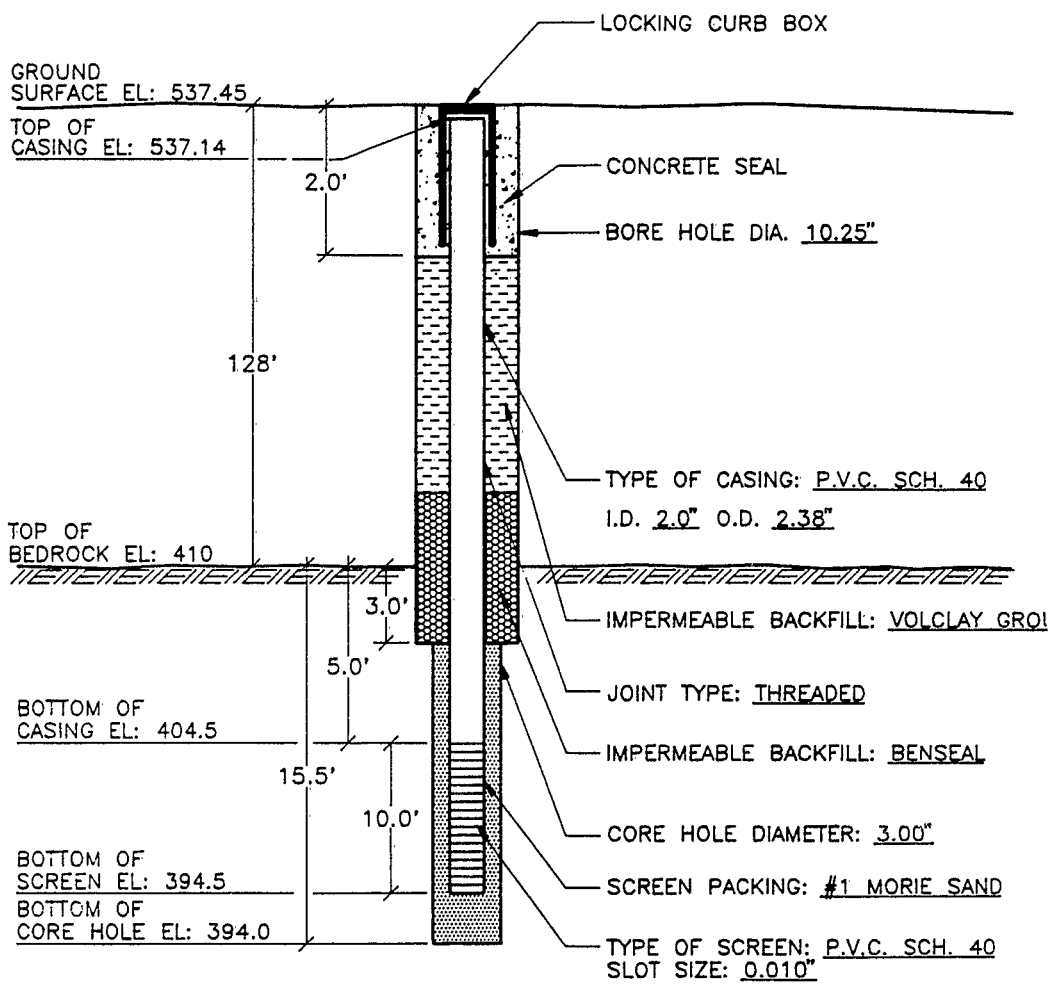
Inferred Relationship to Plume; Within Outside X Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist / pegmatite**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-27sb



FUSS&O'NEILL inc
consulting engineers
144 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(203) 646-2469

WELL CONSTRUCTION DETAILS
MW-27sb
LINEMASTER SWITCH COR.
PLAINE HILL RD. WOODSTOCK, CT.

FILENAME: MW-27sb

PROJ. NO. 86-88 DATE: 10/11/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 214

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-27db SHEET 1 OF 5 JOB. NO. 86-088

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION North of facility
GROUND ELEVATION 537.6
DATE STARTED 10/08/91 DATE FINISHED 10/09/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
10/14/91	TPS	52.22	

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
			0-2				LITTER, leaf; topsoil.			
			2-130			Compact	TILL, F; little to some subangular gravel and schist fragments; olive gray.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit	0 - 130
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-27db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 215

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-27db SHEET 2 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION North of facility
GROUND ELEVATION 537.6
DATE STARTED 10/08/91 DATE FINISHED 10/09/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
10/14/91	TPS	52.22	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
150.0		SCHIST cuttings, little quartz, pegmatite, very soft, light olive gray (5Y 6/1).				150.0
155.0	2 min	SCHIST cuttings, little quartz / pegmatite chips, gray.	Fractures are not distinctive. Soft area at 155 ft. Water.	3 gpm		155.0
160.0	2 min	SCHIST, little pegmatite chips, trace greenish mineral, medium gray (N5).				160.0
165.0	1 min	SCHIST, little pegmatite, trace greenish mineral, medium light gray (N6), very soft and crushable.				165
170.0	1 min	Same, slightly harder. (Schist chips less crushable).				170.0
175.0	1 min	Same.				175.0
180.0	1 min	Same.				180.0
185.0	1 min	Same, slightly softer.				185.0
190.0	45 sec	Same.				190.0
195.0	1 min	Same, very very soft, crushable.				195.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-27db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 / 5

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-27db SHEET 3 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION North of facility
GROUND ELEVATION 537.6
DATE STARTED 10/08/91 DATE FINISHED 10/09/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
10/14/91	TPS	52.22	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
200.0	1 min	Same.				200.0
205.0	1 min	Same.				205.0
210.0	1 min	SCHIST, trace pegmatite, medium dark gray (N4), slightly harder.				210.0
215.0	1.5 min	SCHIST, medium dark gray to dark gray (N4-N3), slightly harder.				215.0
220.0	1.5 min	SCHIST, trace pegmatite, medium dark gray (N4), slightly harder.				220.0
225.0	1.75 min	SCHIST, trace pegmatite (less than at 220 ft.), medium dark gray to dark gray (N4-N3).				225.0
230.0	2 min	Same.				230.0
235.0	1.75 min	Same.				235.0
240.0	2 min	Same. (Schist color has a browner tint).				240.0
245.0	2 min	SCHIST, trace pegmatite, medium dark gray (N4).				245.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
ITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-27db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 1 7

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-27db SHEET 4 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION North of facility
GROUND ELEVATION 537.6
DATE STARTED 10/08/91 DATE FINISHED 10/09/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
10/14/91	TPS	52.22	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
250.0	2 min	SCHIST, trace pegmatite, medium gray to medium dark gray (N5-N4), softer than at 245 ft.	Water / softer area or fracture.	7 gpm		250.0
255.0	1 min	Same, more pegmatite than above.				255.0
260.0	2 min	Same, less pegmatite than above, harder.				260.0
265.0	2 min	SCHIST, trace pegmatite, trace greenish mineral, medium dark gray (N4), some fragments have a brownish tint.				265.0
270.0	1 min	SCHIST, trace to little pegmatite, medium dark gray (N4), softer. soft and crushable.	Water / soft area.	9 gpm		270.0
275.0	1 min	Same.				275.0
280.0	1.5 min	SCHIST, trace to little pegmatite, medium gray to medium dark gray (N5-N4), harder than 270-275 ft.				280.0
285.0	2 min	Same, less pematite than at 280 ft.				285.0
290.0	2 min	Same, few schist fragments have brownish tint.				290.0
295.0	2 min	Same.				295.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-27db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-27db SHEET 5 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION North of facility
GROUND ELEVATION 537.6
DATE STARTED 10/08/91 DATE FINISHED 10/09/91

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Drill Cuttings
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
10/14/91	TPS	52.22	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
300.0	2 min	Same.				300.0
305.0	1 min	SCHIST, little pegmatite, trace green mineral, medium gray (N5), soft and crushable.	Water / fracture at 303 ft.	15 gpm		305.0
310.0	1.5 min	SCHIST, trace pegmatite, medium gray (N5), few schist chips have brownish tint, harder.				310.0
315.0	2 min	Same.				315.0
320.0	1.5 min	SCHIST, trace to little pegmatite, medium dark gray (N4), softer.	Large fracture at 320 ft.	30 gpm		320.0
325.0	2 min	SCHIST, medium dark gray to dark gray (N4-N3).				325.0
330.0	2 min	SCHIST, trace pegmatite, medium gray (N5).				330.0
335.0	2 min	Same.				335.0
340.0	2 min	Same.				340.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-27db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 219

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-27db**

Date of Completion: **10/9/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Sarah Rochelt

Well Construction Method: **Air Rotary, Air Hammer**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **537.58**

Well Depth Below Ground Surface: **342 ft.**

Top of Steel Casing Elevation (MSL): **539.07**

Refusal: Yes No:

Top of PVC Casing Elevation (MSL): **N/A**

Screened Interval: **150 - 342 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **N/A**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No **X**

Screen Packing: Yes No: **X**

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 220

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **150 ft.**

Water-Bearing Rock Unit: **Schist / pegmatite**

Water-Bearing Sections (Depths and Approximate Yields): **150 ft., 250 ft., 270 ft., 303 ft., 320 ft.**
Total yield = 30 gpm

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6"**

Thickness and Depth of Impermeable Backfill:

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within Outside **X** Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Sclist / granite - pegmatite**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 2 1 2

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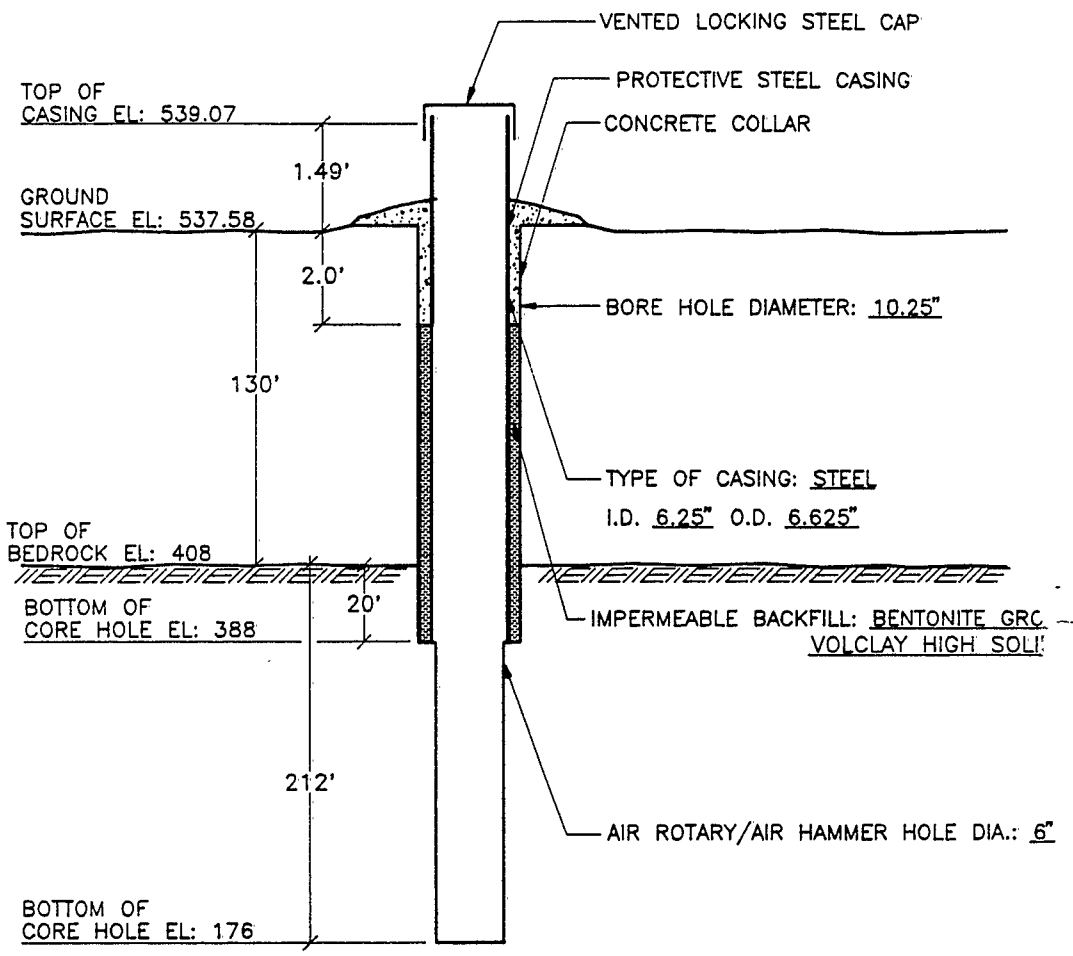
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 222

WELL NO. MW-27db



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-27db
LINEMASTER SWITCH COR
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 10/9/91 SCALE: N.T.S

FILENAME: MW-27db

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28t SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/25/92 DATE FINISHED 03/25/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	PVC	5.22	

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							See log for MW-28sb.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 35
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
223

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 224

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-28t**

Date of Completion: **3/25/92**

DEP/WPC I.D.:

Monitoring Point Location: **Southwest of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **35 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **25 - 35 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **25 ft.**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Morie Silica Sand**

Grain Size: **#00**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and pump

Time Spent Developing: **2 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay High Solids, Bentonite Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 225

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Deep Till**

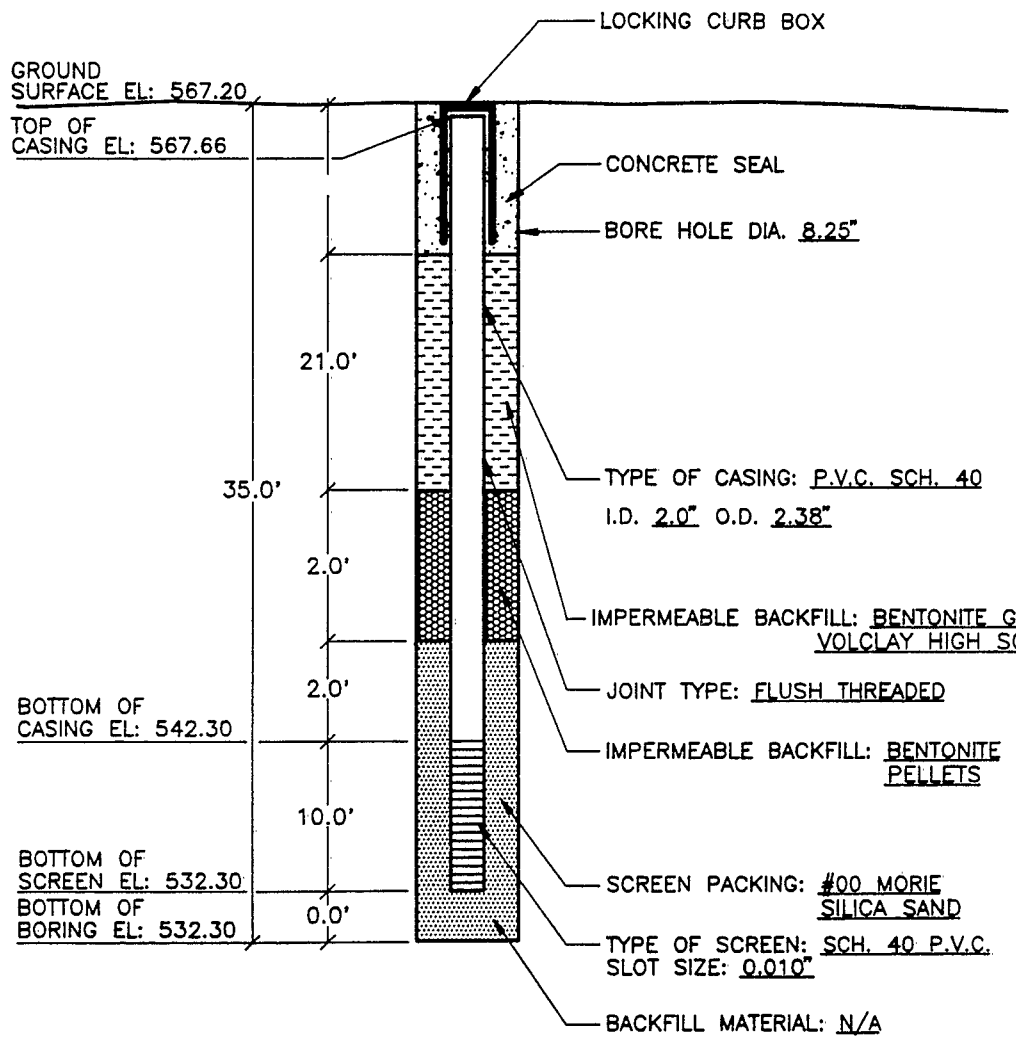
Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-28t



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-28t
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/25/92 SCALE: N.T.S

FILENAME: MW-28t.DWG

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 229

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28sb SHEET 1 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION
GROUND ELEVATION
DATE STARTED 03/18/92 DATE FINISHED 03/19/92

DRILLING METHOD HSA / NX Core / Roller Bit
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-2	24/8	3 2 3 4	Medium	0-0.2': TOPSOIL. 0.2-0.7': SAND, F, and M; little subangular gravel; moderate brown (10YR 5/4).		0 ppm	0.0
2.0			2-4	24/18	10 13 10 10	Medium	SAND, F-M; little subangular F-M gravel; trace silt; dark yellowish brown (10YR 4/2). (Till-like). Orange staining around gravel.	SM	0 ppm	2.0
4.0			4-6	24/24	13 16 26 12	Medium	TILL; F sand; little M; little subangular and subrounded gravel; trace silt; light olive gray (5Y 5/2). Coarser sand surrounding weathered gravel pieces. Orange brown staining visible in most parts of the sample.	SM	0 ppm	4.0
6.0			6-8	24/10	15 19 21 23	Dense	TILL, F sand; little subangular and subrounded gravel; trace silt; olive gray (5Y 4/1). Areas of M orange colored M sand within the sample.	SM	0 ppm	6.0
8.0			8-10	6/6	78 100 (0")	Dense	TILL; F sand; little subangular gravel and broken pieces of schist; trace to little silt; brownish gray (5YR 4/1) to olive gray (5Y 4/1). Sample is covered inpowder and grindings from the broken schist.	SM	0 ppm	8.0
10.0			10-12	24/23	18 21 25 27		TILL; F sand; little F-M subrounded gravel; trace C sand around gravel pieces; little silt; olive gray (5Y 4/1).	SM	0 ppm	10.0
12.0			12-14	24/22	17 23 27 36	Dense	TILL; F sand; little subangular and subrounded gravel; olive gray (5Y 4/1).	SM	0 ppm	12.0
14.0			14-16	24/7	11 15 26 29	Dense	TILL; F sand; olive gray (5Y 4/1).	SM	0 ppm	14.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 32
'TTLE	10 TO 20%	Roller Bit	32 - 33..8
,OME	20 TO 35%	NX Core	33.8 - 48.8
AND	35 TO 50%	Roller Bit	33.8 - 48.8

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 2 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28sb SHEET 2 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION
GROUND ELEVATION
DATE STARTED 03/18/92 DATE FINISHED 03/19/92

DRILLING METHOD HSA / NX Core / Roller Bit
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
16.0			16-18	24/0	17 15 24 27		No recovery.			16.0
18.0			18-20	24/24	36 57 49 50		TILL; F sand; little silt; little subrounded and subangular gravel; pockets of M-C yellowish sand surrounding larger gravel pieces; olive gray (5Y 4/1) to dark greenish gray (5GY 4/1), damp.	SM	0 ppm	18.0
20.0			20-22	24/24	15 18 21 33		TILL; F sand; little silt; angular pieces of pegmatite; dark greenish gray (5GY 4/1).	SM	0 ppm	20.0
22.0										22.0
24.0			24-26	24/10	4 7 10 12		TILL; F-VF sand; little silt; little gravel; olive gray (5Y 4/1).	SM	0 ppm	24.0
26.0			26-28	24/10	17 24 31 37		Same as above.	SM	0 ppm	26.0
28.0			28-30	24/10	19 29 32 37		Same as above.	SM		28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 828

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-28sb
SHEET 3 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION
GROUND ELEVATION
DATE STARTED 03/18/92 DATE FINISHED 03/19/92

DRILLING METHOD HSA / NX Core / Roller Bit
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
30.0			30-32	18/8	18 24 39		Same as above.	SM		30.0
					50 (0")					
32.0										32.0
34.0			34-49				SCHIST.			34.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
229

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-28sb**

Date of Completion: **3/19/92**

DEP/WPC I.D.:

Monitoring Point Location: **Southwest of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Hollow Stem Auger, Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **49 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL):

Screened Interval: **39 - 49 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **39 ft,**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Morie Silica Sand**

Grain Size: **# 1**

Impermeable Backfill:
Bentonite Pellets

Estimated K Screened Interval:

Well Casing Material and Schedule:
Schedule 40 PVC

Method of Well Development:
Surge and pump

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Bentonite Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
023

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2311

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length:

Water-Bearing Rock Unit: **Schist and granite pegmatite**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **15 ft.**

Diameter of Core Hole: **3.87 "**

Thickness and Depth of Impermeable Backfill: **0-37 ft.**

O-ring Seals: Yes: No: X

GEOLOGIC INFORMATION

Aquifer: **Shallow Bedrock**

Inferred Relationship to Plume; Within Outside X Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist and granite pegmatite**

Attach Maps and Plans Required of G.l.j. and G.4.

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-28sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 3/18/92 DATE FINISHED: 3/19/92
DRILLER: D. Briglia GROUND ELEVATION:
CORING METHOD: NX Core CORE DIAMETER: 2.98 in.
FUSS & O'NEILL REPRESENTATIVE: S. Rochelt

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	DISCONTINUITIES: FRACTURES PER FOOT	DISCONTINUITIES: DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
33.8	53 min/5 ft	1 5' 100%	0	59	1-7 2-3 3-1 4-3 5-5	Slightly weathered along fracture faces. Fractures are parallel with the foliation.	Schist with quartz-pegmatite intrusions visible as banding. High mica content. Schist brown, medium grained, slightly weathered on fracture faces.	
38.8	40 min/5 ft	2 5' 98%	0.08	78	1-2 2-3 3-2 4-1 5-2	Same.	Same.	
43.8	45 min/5 ft	3 5' 60%	2	95	1-0 2-0 3-1 4-1 5-2 1	Same.	Same.	
48.8								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 3 2 2

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-28sb
	LINEMASTER SWITCH	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	5	2.96	59%	100%
2	5	4.92	3.92	78%	98%
3	5	4.92	4.75	95%	98%

perfill\rqdlmstr

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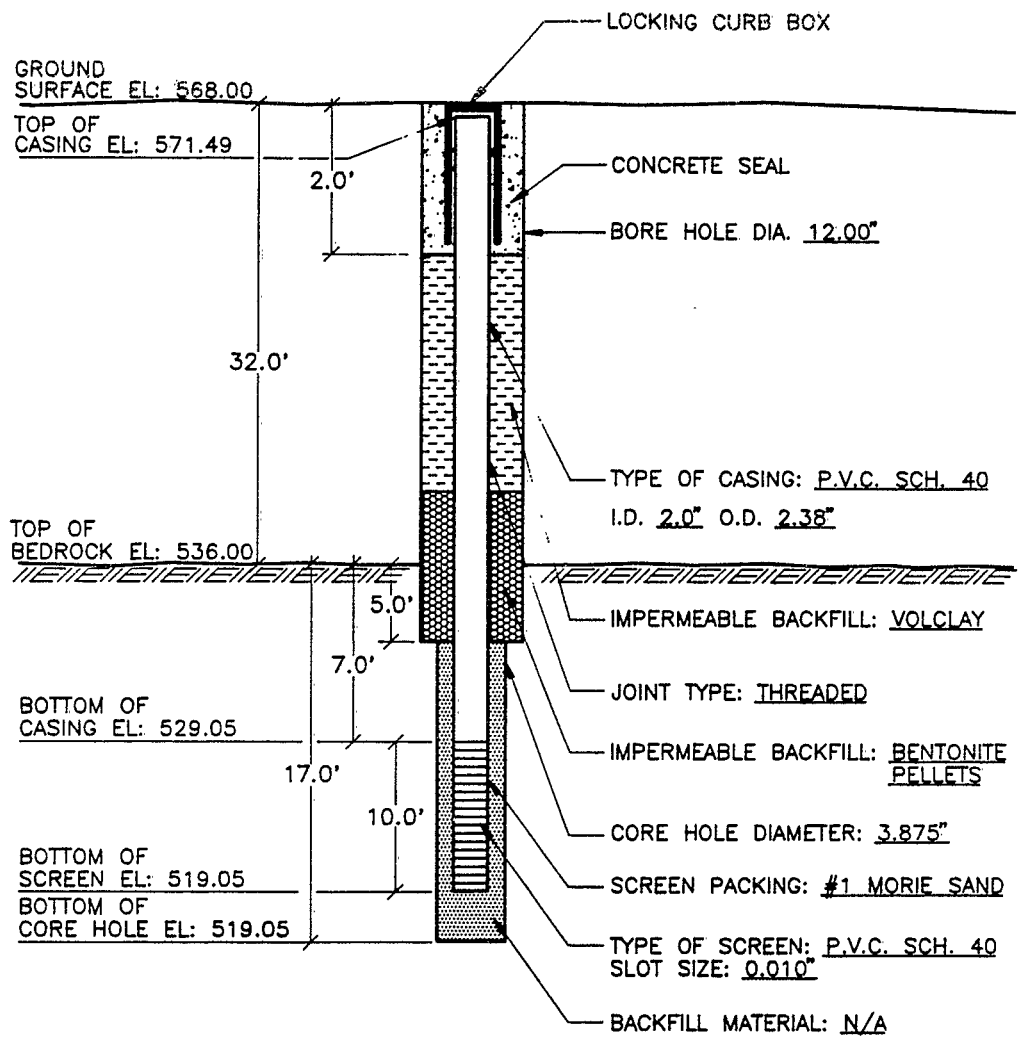
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

2 3 3

WELL NO. MW-28sb



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-28sb
LINEMASTER SWITCH COR.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/25/92 SCALE: N.T.S

FILENAME: MW-28sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 234

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28db SHEET 1 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	75.15	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
		28': SCHIST				
45.0		SCHIST; little gray quartz (granitic)				45.0
50.0	5 min	SCHIST				50.0
55.0	5 min	SCHIST; little gray quartz (granitic)				55.0
60.0	5 min	SCHIST				60.0
65.0	5 min	SCHIST				65.0
70.0	5 min	SCHIST; gray quartz chips (granitic)				70.0
75.0	5 min	Same as above				75.0
80.0	5 min	Same as above				80.0
85.0	5 min	Same as above				85.0
90.0	5 min	Same as above				90.0
95.0	5 min	Same as above	Fracture 96-98.	1 gpm		95.0
100.0	5 min	Same as above				100.0
105.0	5 min	Same as above				105.0
110.0	5 min	Same as above				110.0
115.0	5 min	Same as above				115.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit	0 - 45
ITTLE 10 TO 20%	Air Rotary/Hammer	45 - 500
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
235

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28db SHEET 2 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	75.15	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
120.0	5 min	SCHIST; gray quartz chips (granitic)				120.0
125.0	5 min	Same as above				125.0
130.0	5 min	SCHIST				130.0
135.0	5 min	SCHIST	Soft 138-140ft.			135.0
140.0	5 min	Schist and pgmatite mix; mica flakes visible				140
145.0	5 min	Schist and quartz mix				145.
150.0	5 min	PEGMATITE	Soft 155 ft.			150.0
155.0	5 min	PEGMATITE				155.0
160.0	5 min	Schist and pegmatite equal mix.				160.0
165.0	5 min	Same as above				165.0
170.0	5 min					170.0
175.0	5 min	PEGMATITE				175.0
180.0	5 min	PEGMATITE; trace schist fragments				180.0
185.0	5 min	Same as above				185.0
190.0	5 min	PEGMATITE				190.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
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REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 3 9 6

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28db SHEET 3 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	75.15	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
195.0	5 min	Pegmatite and schist (more pegmatite)				195.0
200.0	5 min	PEGMATITE				200.0
205.0	5 min	PEGMATITE				205.0
210.0	5 min	PEGMATITE				210.0
215.0	5 min	PEGMATITE				215.0
220.0	5 min	PEGMATITE				220.0
225.0	5 min	SCHIST				225.0
230.0	5 min	SCHIST				230.0
235.0	5 min	SCHIST				235.0
240.0	5 min	PEGMATITE; trace to little schist fragments				240.0
245.0	5 min	SCHIST	Soft 243-245 ft.			245.0
250.0	5 min	Schist and pegmatite fragments				250.0
255.0	5 min	PEGMATITE				255.0
260.0	5 min	Schist and pegmatite fragments				260.0
265.0	5 min	SCHIST				265.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
ITTLE 10 TO 20%		
OME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

2371

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28db SHEET 4 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	75.15	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
270.0	5 min	SCHIST				270.0
275.0	5.5 min	SCHIST				275.0
280.0	5.5 min	SCHIST	Fracture 279-280 ft.	2-3 gpm		280.0
285.0	5.5 min	SCHIST				285.0
290.0	5.5 min	SCHIST				290
295.0	5.5 min	SCHIST				295.0
300.0	5.5 min	SCHIST				300.0
305.0	5.5 min	SCHIST				305.0
310.0	5.5 min	SCHIST				310.0
315.0	5.5 min	SCHIST				315.0
320.0	5.5 min	SCHIST				320.0
325.0	5.5 min	SCHIST				325.0
330.0	5.5 min	SCHIST				330.0
335.0	5.5 min	SCHIST	Soft 335 ft.			335.0
340.0	5.5 min	SCHIST				340.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
238

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28db SHEET 5 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	75.15	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
345.0	6 min	SCHIST				345.0
350.0	6 min	SCHIST				350.0
355.0	6 min	SCHIST				355.0
360.0	6 min	SCHIST				360.0
365.0	6 min	SCHIST	Fracture 365-366 ft.	0.5 gpm		365.0
370.0	6 min	SCHIST				370.0
375.0	6 min	SCHIST				375.0
380.0	6 min	SCHIST				380.0
385.0	6 min	SCHIST				385.0
390.0	6 min	SCHIST				390.0
395.0	6 min	SCHIST				395.0
400.0	6 min	SCHIST				400.0
405.0	6 min	SCHIST				405.0
410.0	6 min	SCHIST				410.0
415.0	6 min	SCHIST				415.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28db

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 239

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28db SHEET 6 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	75.15	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
420.0	6 min	SCHIST				420.0
425.0	6 min	SCHIST				425.0
430.0	6 min	SCHIST				430.0
435.0	6 min	SCHIST				435.0
440.0	6 min	SCHIST				440.
445.0	6 min	SCHIST				445.0
450.0	6 min	SCHIST				450.0
455.0	6 min	SCHIST				455.0
460.0	6 min	SCHIST				460.0
465.0	6 min	SCHIST				465.0
470.0	6 min	SCHIST				470.0
475.0	6 min	SCHIST				475.0
480.0	6 min	SCHIST				480.0
485.0	6 min	SCHIST				485.0
490.0	6 min	SCHIST				490.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0424

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-28db SHEET 7 OF 7 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Southwest of facility
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	75.15	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
495.0	6 min	SCHIST				495.0
500.0	6 min	SCHIST				500.0
				Total 2.5 gpm		

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-28db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 4 3

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-28db**

Date of Completion: **3/30/92**

DEP/WPC I.D.:

Monitoring Point Location: **Southwest of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Roller Bit, Air Rotary, Hammer**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **500 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL):

Screened Interval: **44 - 500 ft.** :

Length of Screen: **N/A**

Length of Riser Pipe: **N/A**

Screen Type: **N/A**

Screen Slot Size: **N/A**

Filter Fabric: Yes No X

Screen Packing: Yes No:

If Yes, Thickness:

Well Inside Diameter: **6"**

Material:

Grain Size:

Impermeable Backfill:

Estimated K Screened Interval:

Well Casing Material and Schedule:
Steel casing

Method of Well Development:
Air lift

Locking X or Threaded Cap

Time Spent Developing: **1 hour**

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 242

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **49 ft.**

Water-Bearing Rock Unit: **Schist**

Water-Bearing Sections (Depths and Approximate Yields): **96-98' 1gpm, 279-280' 2-3 gpm**
365-366' <.5gpm

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6 in.**

Thickness and Depth of Impermeable Backfill: **49 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Deep Bedrock**

Inferred Relationship to Plume; Within Outside **X** Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist**

Attach Maps and Plans Required of G.l.j. and G.4.

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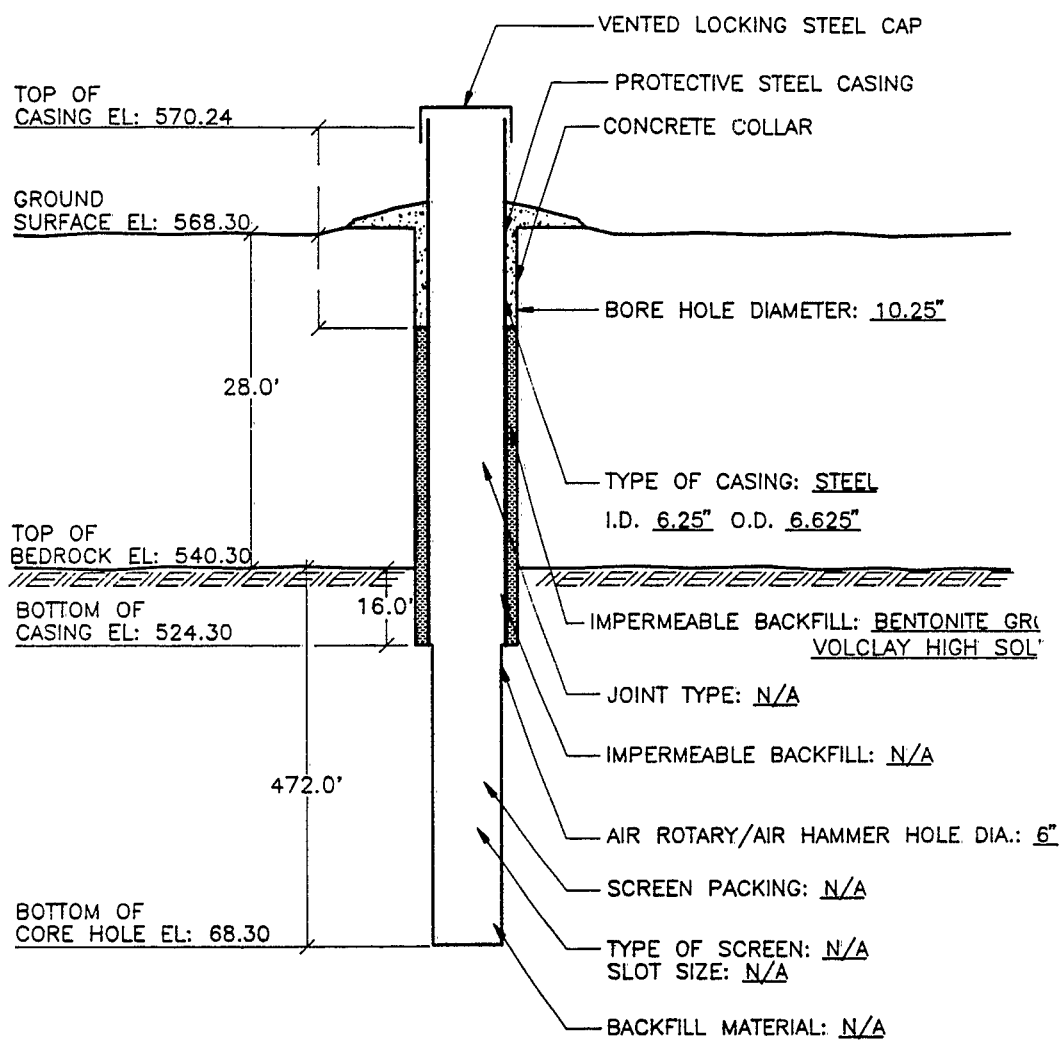
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
243

WELL NO. MW-28db



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-28db
LINEMASTER SWITCH CO
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/30/92 SCALE: N.T.S

FILENAME: MW-28db.DWG

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 244

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-29t SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/24/92 DATE FINISHED 03/25/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	PVC	35.79	

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0			0-2	24/3	2 3 4 6	Loose	TOPSOIL		0 ppm	0.0
2.0										2.0
4.0			4-6	24/10	11 13 15 18	Compact	TILL; F sand; little M; F-M subangular gravel; pockets of coarser sand around gravel pieces; light olive gray (5Y 5/2).	SM	0 ppm	4.0
6.0										6.0
8.0			9-11	24/16	10 14	Dense	TILL, F; trace to little M; little F-M subangular; light olive gray	SM	0 ppm	8.0
10.0					16 23		(5Y 5/2) to olive gray (5Y 3/2).			10.0
12.0										12.0
14.0			14-16	24/18	7 10 12 18	Dense	TILL, same composition, slightly finer; trace to little silt; olive gray (5Y 4/1).	SM	0 ppm	14.0
16.0										16.0
18.0			19-21	24/18	8 13	Dense	Same as above, dark greenish gray (5GY 4/1).	SM	0 ppm	18.0
20.0					16 18					20.0
22.0										22.0
24.0			24-26	24/9	10 13 16 17	Dense	Same as above.	SM	0 ppm	24.0
26.0										26.0
28.0			29-31	24/7	12 13	Dense	Same as above, pieces of pegmatite.	SM	0 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 60
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-29t

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 245

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-29t SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/24/92 DATE FINISHED 03/25/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	PVC	35.79	

DEPTH (FT)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT)
30.0					18 21					30.0
32.0										32.0
34.0			34-36	24/10	9 18 19 20	Dense	Same as above, olive gray (5Y 4/1).	SM	0 ppm	34.0
36.0										36.0
38.0			39-41	24/18	12 16	Dense	Same as above.	SM		38.0
40.0					20 24					40
42.0										42.0
44.0			44-46	24/20	12 16 20 24	Dense	Same as above.	SM		44.0
46.0										46.0
48.0			49-51	24/20	19 23	Dense	Same as above.	SM		48.0
50.0					25 28					50.0
52.0										52.0
54.0			54-56	24/24	28 35 26 38	Dense	Same as above.	SM		54.0
56.0										56.0
58.0							60': BEDROCK.			58.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-29t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 4 5

MONITOR WELL COMPLETION REPORT

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 247

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-29t**

Date of Completion: **3/25/92**

DEP/WPC I.D.:

Monitoring Point Location: **Near tennis court**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **60 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **50 - 60 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **52 ft.**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12.5 ft.**

Well Inside Diameter: **2"**

Material: **Silica Morie Sand**

Grain Size: **#00**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and pump

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Bentonite Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 4 8

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Deep Till**

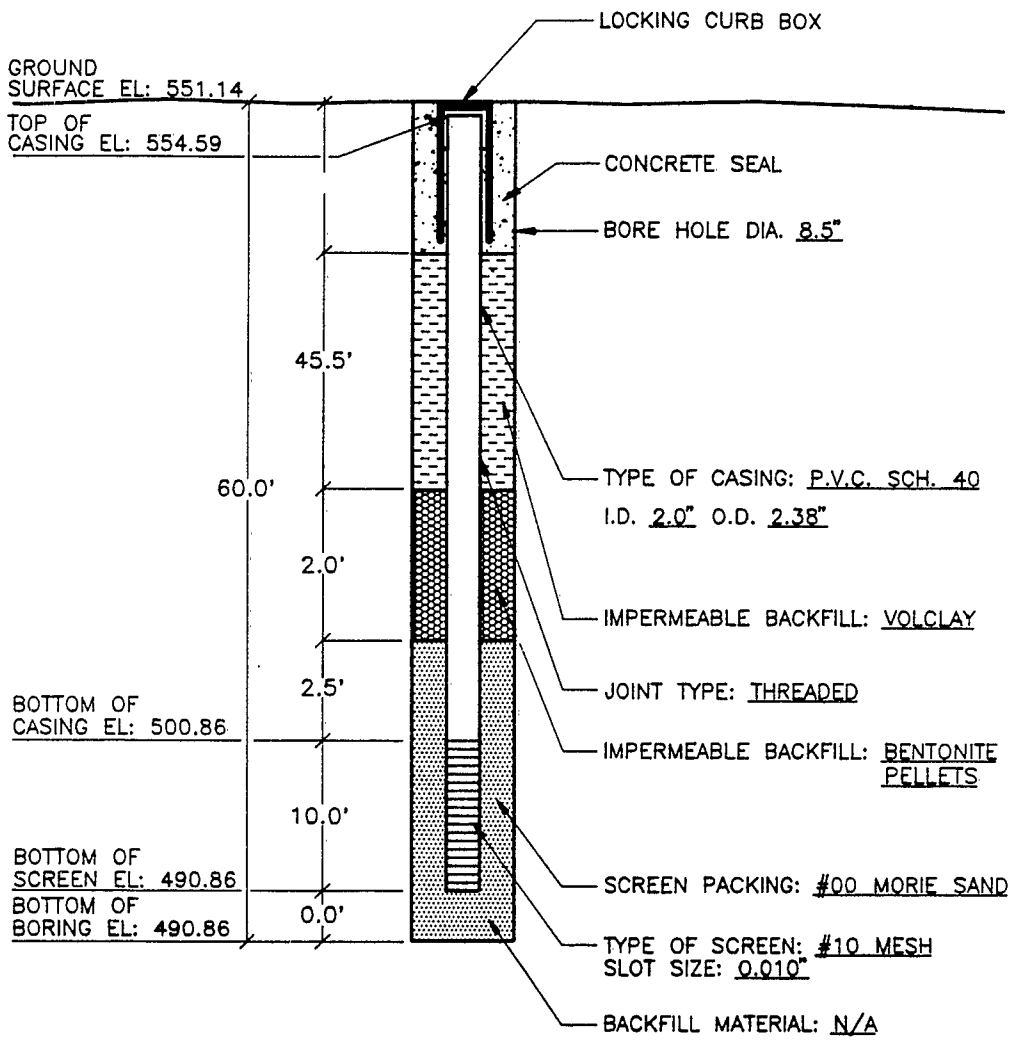
Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-29t



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-29t
LINEMASTER SWITCH CORP.
PLAINE HILL RD. WOODSTOCK, CT.

FILENAME: MW-29t.DWG

PROJ. NO. 86-88 DATE: 3/25/92 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 249

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-29sb
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/26/92 DATE FINISHED 03/30/92

DRILLING METHOD NX Core / Roller Bit
SAMPLING METHOD NX Core
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	PVC	13.81	

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							0-59.5': For description of overburden see log for MW-29t. 59.5': BEDROCK.			
			63-78				Schist with granite pegmatite intrusions.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
'TTLE 10 TO 20%		
,OME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-29sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 5 0

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 5 1

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-29sb**

Date of Completion: **3/30/92**

DEP/WPC I.D.:

Monitoring Point Location: **Southwest of tennis court**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Roller Bit, NX Core**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **78 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL):

Screened Interval: **68 - 78 ft.**

Length of Screen: **10 ft.**

Length of Riser Pipe: **68 ft.**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12.5 ft.**

Well Inside Diameter: **2"**

Material: **Morie Silica Sand**

Grain Size: **#1**

Impermeable Backfill:
Benseal

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and pump

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Bentonite Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 5 2

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **78 ft.**

Water-Bearing Rock Unit: **Schist with granite pegmatite**

Water-Bearing Sections (Depths and Approximate Yields):

Length of Rock Cores: **15 ft.**

Diameter of Core Hole: **3.87"**

Thickness and Depth of Impermeable Backfill: **0 - 65.5 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Shallow Bedrock**

Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist with granite pegmatite**

Attach Maps and Plans Required of G.l.j. and G.4.

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-29sb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 3/26/92 DATE FINISHED: 3/30/92
DRILLER: D. Briglia GROUND ELEVATION:
CORING METHOD: NX Core CORE DIAMETER: 2.98 in.
FUSS & O'NEILL REPRESENTATIVE: S. Rochelt

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING; ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME; CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
63	40 min/5 ft	1 5' 78%	0.22	83	1-3 2-3 3-5 4-2 5-4	Factures follow foliation (60 degree) core is pitted and stained at fracture faces.	Brown schist with pegmatite intrusions.	
68	44 min/5 ft	2 5' 75%	0.25	64	1-3 2-1 3-2 4-1 5-2	Same.	17" schist with pegmatite banding. 5.5" pegmatite. 2.5" schist with pegmatite bandings. 10.5" pegmatite.	
73	48 min/5 ft	3 5' 100%	0	64	1-1 2-3 3-3 4-4 5-4 I	Fractures follow foliation and are slightly higher angled in the pegmatite. Fracture faces in the pegmatite show large mica crystals and some staining.	First inch pegmatite. 3" schist. 24" pegmatite. 8" schist with narrow pegmatite bands. 24" pegmatite with one schist band.	
78								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002253

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-29sb
	LINEMASTER SWITCH	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	5	5	4.13	83%	100%
2	5	3.92	3.21	64%	78%
3	5	3.75	3.21	64%	75%

perfill\rqdlmstr

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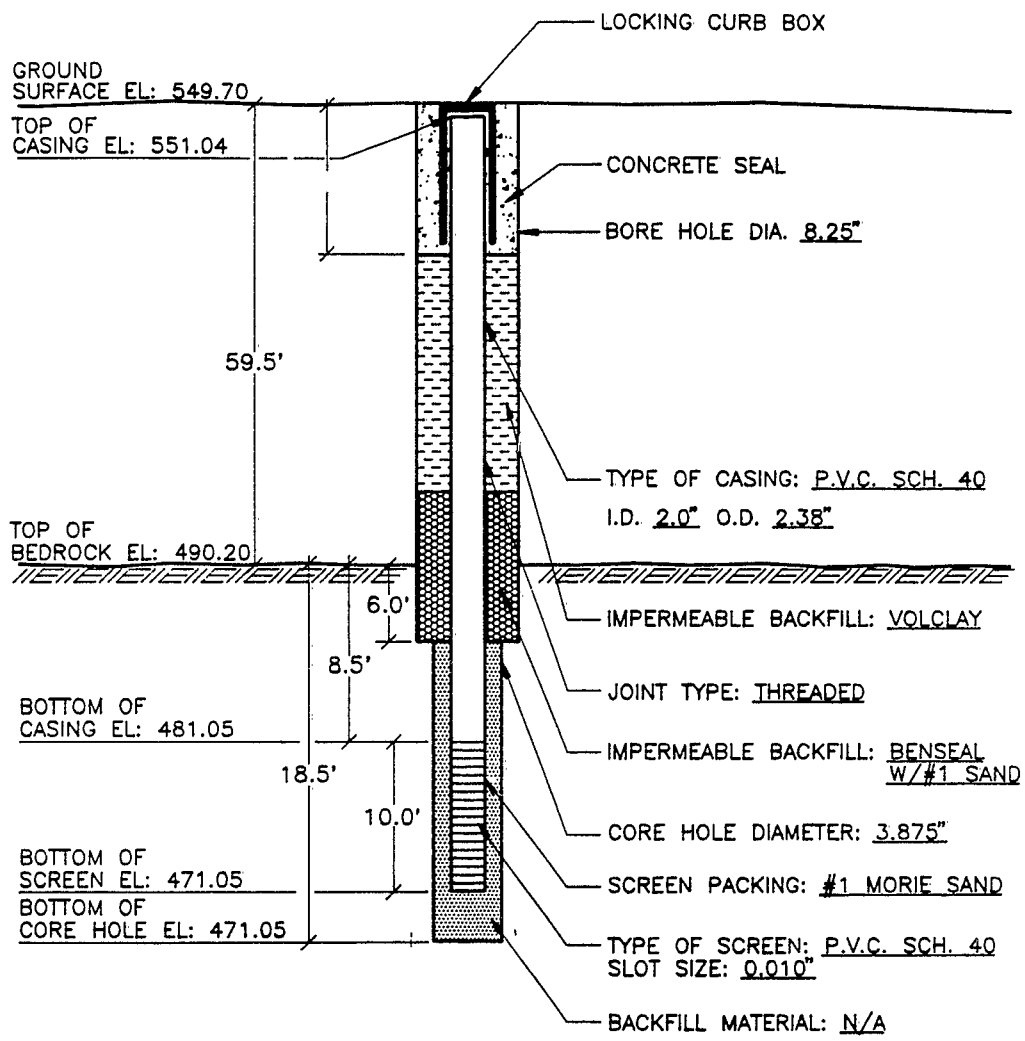
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

254

WELL NO. MW-29sb



FUSS&O'NEILL
consulting engineers

WELL CONSTRUCTION DETAILS
MW-29sb
LINEMASTER SWITCH COR.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/25/92 SCALE: N.T.S

FILENAME: MW-29sb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 255

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-29db SHEET 1 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/24/92 DATE FINISHED 03/25/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	60.24	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
75.0		Schist and quartz-pegmatite equal mix				75.0
80.0	4 min	Same as above, slightly more schist				80.0
85.0	5 min	SCHIST; few quartz pieces; some gray granitic fragments				85.0
90.0	3 min	Same as above, granitic fragments, grayish green				90.0
95.0	3 min 20 se	Schist and pegmatite mix, more schist	Soft 95-97 ft.			95.0
100.0	3 min	Same as above, more granite-pegmatite				100.0
105.0	7 min	SCHIST fragments; little grayish green granitic chips	Soft 103-105 ft.			105.0
110.0	3.5 min	SCHIST fragments; trace white pegmatite chips				110.0
115.0	4 min	SCHIST fragments; trace grayish green granitic chips				115.0
120.0	3.5 min	SCHIST fragments; trace to little quartz pieces				120.0
125.0	5 min	Quartz-pegmatite and schist mix, more quartz				125.0
130.0	2.5 min	SCHIST, lighter color				130.0
135.0	3 min	SCHIST, darker color; few grayish green fragments				135.0
140.0	3.5 min	SCHIST				140.0
145.0	3 min	SCHIST; little grayish geen fragments				145.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	Roller Bit	0 - 72
ITTLE 10 TO 20%	Air Rotary/Hammer	72 - 400
OME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-29db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 259

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-29db SHEET 2 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/24/92 DATE FINISHED 03/25/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	60.24	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
150.0	4 min	Quartz-granitic and schist mix, more quartz; gray	Soft 153 ft.			150.0
155.0	4 min	SCHIST	Soft 157 ft.			155.0
160.0	4 min	PEGMATITE-QUARTZ; little schist; mica flakes visible				160.0
165.0	3.5 min	SCHIST; trace pegmatite				165.0
170.0	3 min 50 se	SCHIST				170
175.0	3 min 50 se	SCHIST				175.0
180.0	3 min 50 se	SCHIST				180.0
185.0	4 min	SCHIST	Soft 187-195 ft.			185.0
190.0	4 min	Quartz-pegmatite and schist mix, more pegmatite; mica flakes				190.0
195.0	3 min	and greenish crystal mineral visible Quartz-pegmatite and schist mix, more pegmatite; mica flakes				195.0
200.0	4 min	visible SCHIST	Fracture 202 ft.	2 gpm		200.0
205.0	3 min	SCHIST, stained fragments				205.0
210.0	3 min	SCHIST				210.0
215.0	4 min	SCHIST	Fracture 216 ft.	1 gpm		215.0
220.0	6 min	SCHIST				220.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-29db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2571

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-29db SHEET 3 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/24/92 DATE FINISHED 03/25/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	60.24	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
225.0	7 min	SCHIST				225.0
230.0	6 min	SCHIST				230.0
235.0	4 min	SCHIST				235.0
240.0	4 min	SCHIST				240.0
45.0	4 min	SCHIST				245.0
250.0	3.5 min	SCHIST	Soft 250-255 ft.			250.0
255.0	3.5 min	SCHIST				255.0
260.0	3.5 min	SCHIST				260.0
265.0	3.5 min	SCHIST				265.0
270.0	3.5 min	SCHIST				270.0
275.0	3.5 min	SCHIST				275.0
280.0	3.5 min	SCHIST				280.0
285.0	3.5 min	SCHIST; little gray quartz				285.0
290.0	3.5 min	SCHIST				290.0
295.0	3.5 min	SCHIST	Fracture 295 ft.			295.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-29db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002258

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-29db SHEET 4 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/24/92 DATE FINISHED 03/25/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	60.24	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
300.0	4 min	SCHIST				300.0
305.0	4 min	SCHIST	Soft 304-308 ft.			305.0
310.0	4 min	SCHIST				310.0
315.0	4 min	SCHIST				315.0
320.0	4 min	SCHIST				320
325.0	4 min	SCHIST				325.
330.0	7 min	SCHIST	Soft 330-335 ft.			330.0
335.0	5 min	SCHIST				335.0
340.0	5 min	SCHIST				340.0
345.0	6 min	SCHIST				345.0
350.0	6 min	SCHIST	Soft 347-348 ft.			350.0
355.0	4 min	SCHIST				355.0
360.0	5.5 min	SCHIST				360.0
365.0	5.5 min	SCHIST				365.0
370.0	5.5 min	SCHIST				370.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill/wlogrck1

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-29db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 259

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-29db SHEET 5 OF 5 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Dave Sego
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION West of tennis court
GROUND ELEVATION
DATE STARTED 03/24/92 DATE FINISHED 03/25/92

DRILLING METHOD Air Rotary / Air Hammer
SAMPLING METHOD Air Hammer
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	TPS	60.24	

DEPTH (FT.)	TIME PER 5 FOOT	DRILL CUTTING DESCRIPTION	WELL DRILLING FRACTURE DESCRIPTION	WELL YIELD	FIELD TESTING	DEPTH (FT.)
375.0	5.5 min	Schist and gray granite-quartz				375.0
380.0	6 min	SCHIST				380.0
385.0	6 min	SCHIST				385.0
390.0	6 min	Schist and pegmatite				390.0
395.0	6 min	SCHIST				395.0
400.0	6 min	SCHIST				400.0
				Total 3.5 gpm		

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill/wlogrck1		

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-29db

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2990

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-29db**

Date of Completion: **3/25/92**

DEP/WPC I.D.:

Monitoring Point Location: **West of tennis court**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Air Rotary, Air Hammer**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **400 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL):

Screened Interval: **72 - 400 ft.** :

Length of Screen: N/A

Length of Riser Pipe: N/A

Screen Type: N/A

Screen Slot Size: N/A

Filter Fabric: Yes No X

Screen Packing: Yes No:

If Yes, Thickness:

Well Inside Diameter: 6"

Material:

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:
Steel casing

Estimated K Screened Interval:

Method of Well Development:
Air lift

Time Spent Developing: **1 hour**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay High Solids, Bentonite Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 29 1

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 292

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **72 ft.**

Water-Bearing Rock Unit: **Deep Bedrock**

Water-Bearing Sections (Depths and Approximate Yields): **202' 2 gpm, 295' 5 gpm, 216' 1 gpm**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **6 in.**

Thickness and Depth of Impermeable Backfill: **0 - 72 ft.**

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Deep Bedrock**

Inferred Relationship to Plume; Within Outside Edge **X**

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Schist with granite pegmatite**

Attach Maps and Plans Required of G.l.j. and G.4.

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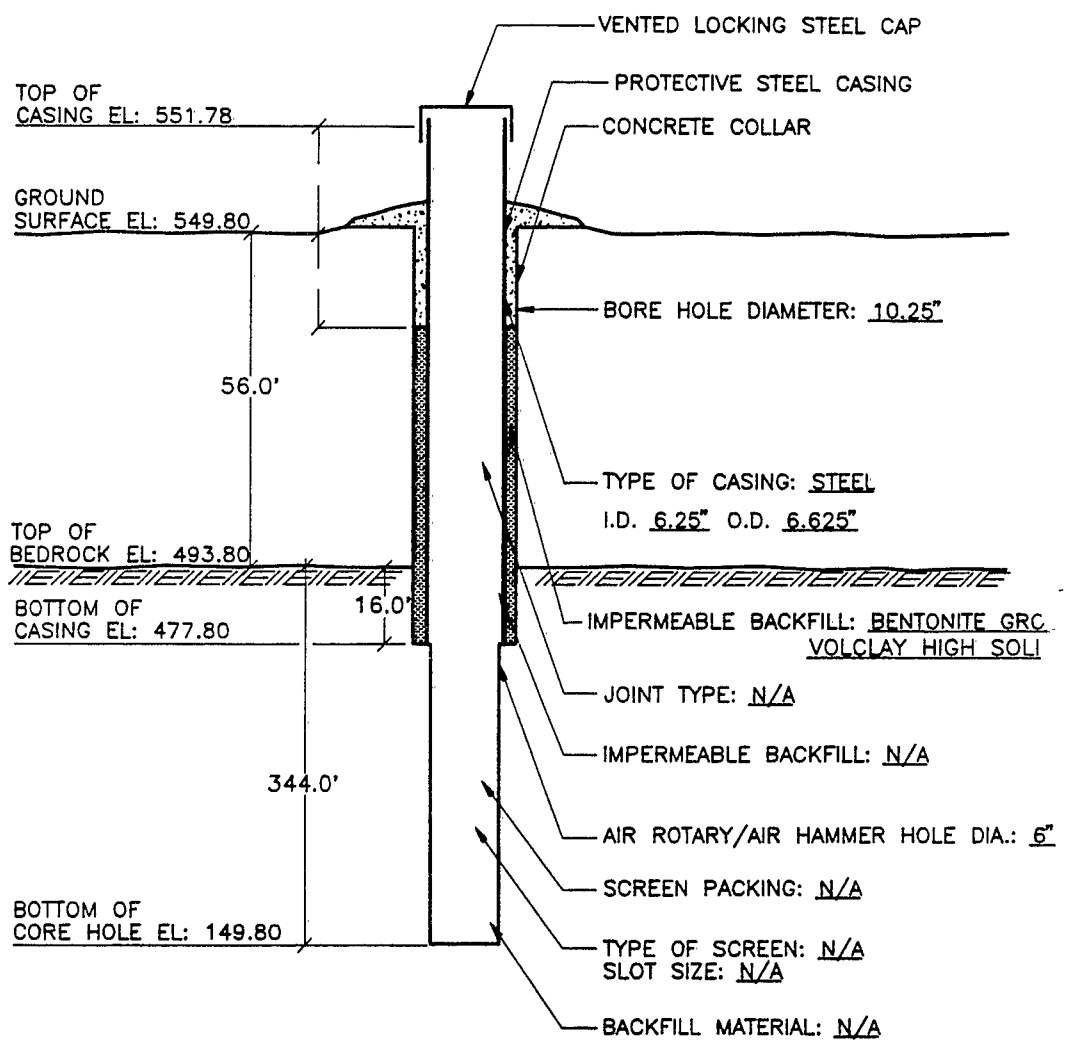
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 239

WELL NO. MW-29db



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-29db
LINEMASTER SWITCH COR.
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/25/92 SCALE: N.T.S

FILENAME: MW-29db.DWG

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-30ts SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER D. Briglia
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Along west side of facility
GROUND ELEVATION
DATE STARTED 03/31/92 DATE FINISHED 03/31/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/03/92	PVC	7.89	

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN./REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		-01	0-2	24/16	3 3 5 6		TILL, F sand; little M; little silt; little F subangular gravel; moderate olive brown (5Y 4/4).	SM	0 ppm	0.0
2.0										2.0
4.0		-02	5-7	24/16	7 8		TIL; F sand; pockets of coarser sand around gravel pieces; light	SM	0 ppm	4.0
6.0					12 10		olive gray (5Y 5/2).			6.0
8.0										8.0
10.0		-03	10-12	24/16	7 13 13 15		Same till as above, light olive gray (5Y 5/2).	SM	0 ppm	10.0
12.0										12.0
14.0		-04	15-17	12/10	6 88		Same as above.	SM	0 ppm	14.0
16.0										16.0
18.0							18-19': BOULDERS.			18.0
20.0		-05	20-22	24/10	5 8 12 12		Same as above, slightly finer, dark greenish gray (5GY 4/1).	SM	0 ppm	20.0
22.0										22.0
24.0		-06	25-27	24/8	3 5		Same as above.	SM	0 ppm	24.0
26.0					8 8					26.0
28.0										28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 28
ITTLE 10 TO 20%		
OME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-30ts

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 294

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 265

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-30ts**

Date of Completion: **3/31/92**

DEP/WPC I.D.:

Monitoring Point Location: **Along west side of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **28 ft.**

Top of Steel Casing Elevation (MSL):

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL):

Screened Interval: **18 - 28 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **18 ft.**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size: **#00**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and pump

Time Spent Developing: **2 hours**

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Bentonite Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Shallow Till**

Inferred Relationship to Plume; Within Outside **X** Edge

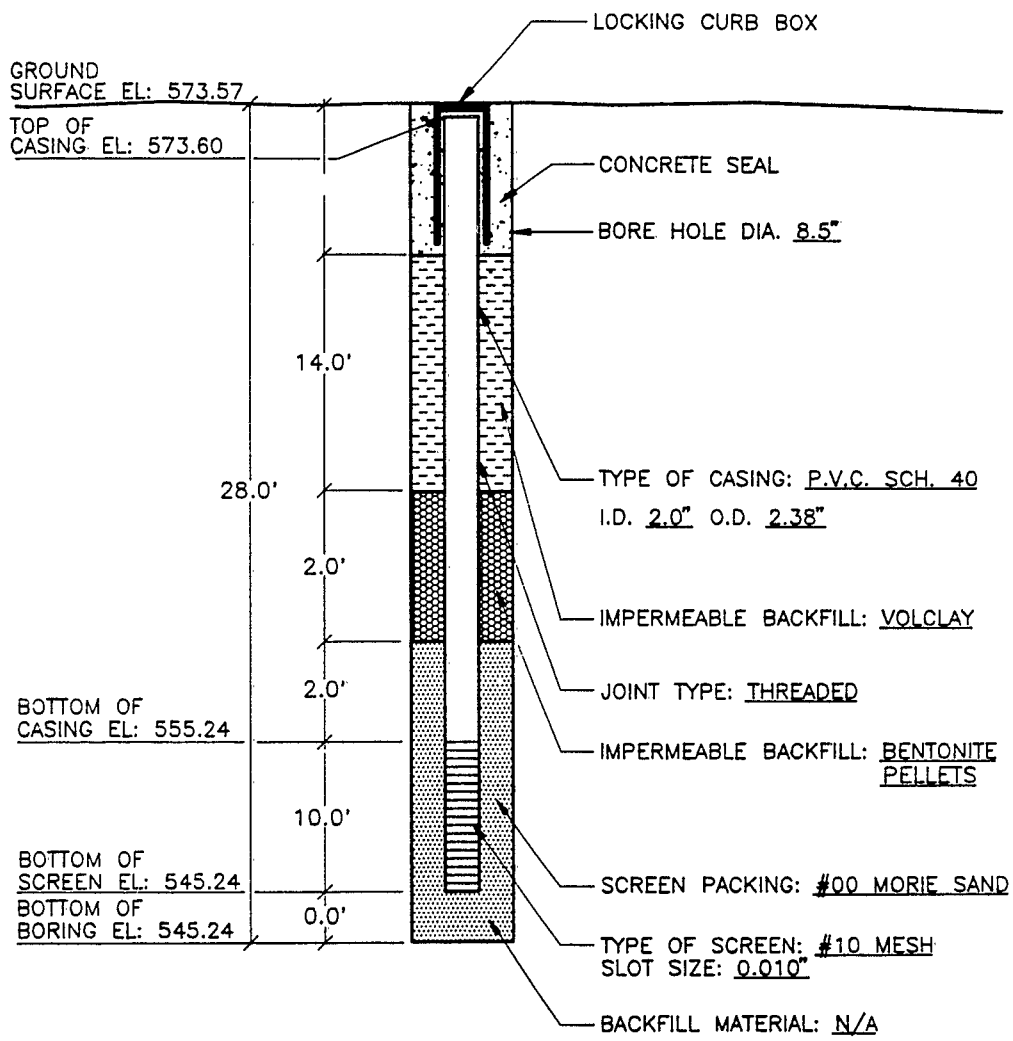
Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

LIN002 [redacted] 559

WELL NO. MW-30ts



FUSS&O'NEILL INC
consulting engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(203) 646-2469

WELL CONSTRUCTION DETAILS
MW-30ts
LINEMASTER SWITCH COR...
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/31/92 SCALE: N.T.S

FILENAME: MW-30ts.DWG

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2671

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-30td
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE S. Rochelt

BORING LOCATION Along west side of building
GROUND ELEVATION
DATE STARTED 03/30/92 DATE FINISHED 03/30/92

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							0-27': For sample description see log for MW-30ts.			
		-07	30-32	24/18		Dense	TILL, F; little subangular F-M gravel; trace to little silt; dark greenish gray (5GY 4/1).	SM	0 ppm	
		-08	35-37	24/10	3 5 7 9		Same as above.	SM	0 ppm	
		-09	40-41	12/6	10 50		Same as above.	SM	0 ppm	

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 41
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-30td

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 9 8

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 259

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-30td**

Date of Completion: **3/30/92**

DEP/WPC I.D.:

Monitoring Point Location: **Along west side of facility**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
S. Rochelt

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface: **41 ft.**

Top of Steel Casing Elev (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **31 - 41 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **31 ft.**

Screen Type: **Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **Silica Sand**

Grain Size: **#00**

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:
Surge and pump

Time Spent Developing: **2 hours**

Locking **X** or Threaded Cap

Impermeable Backfill:
Bentonite Grout, Volclay High Solids

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 1 0

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Deep Till**

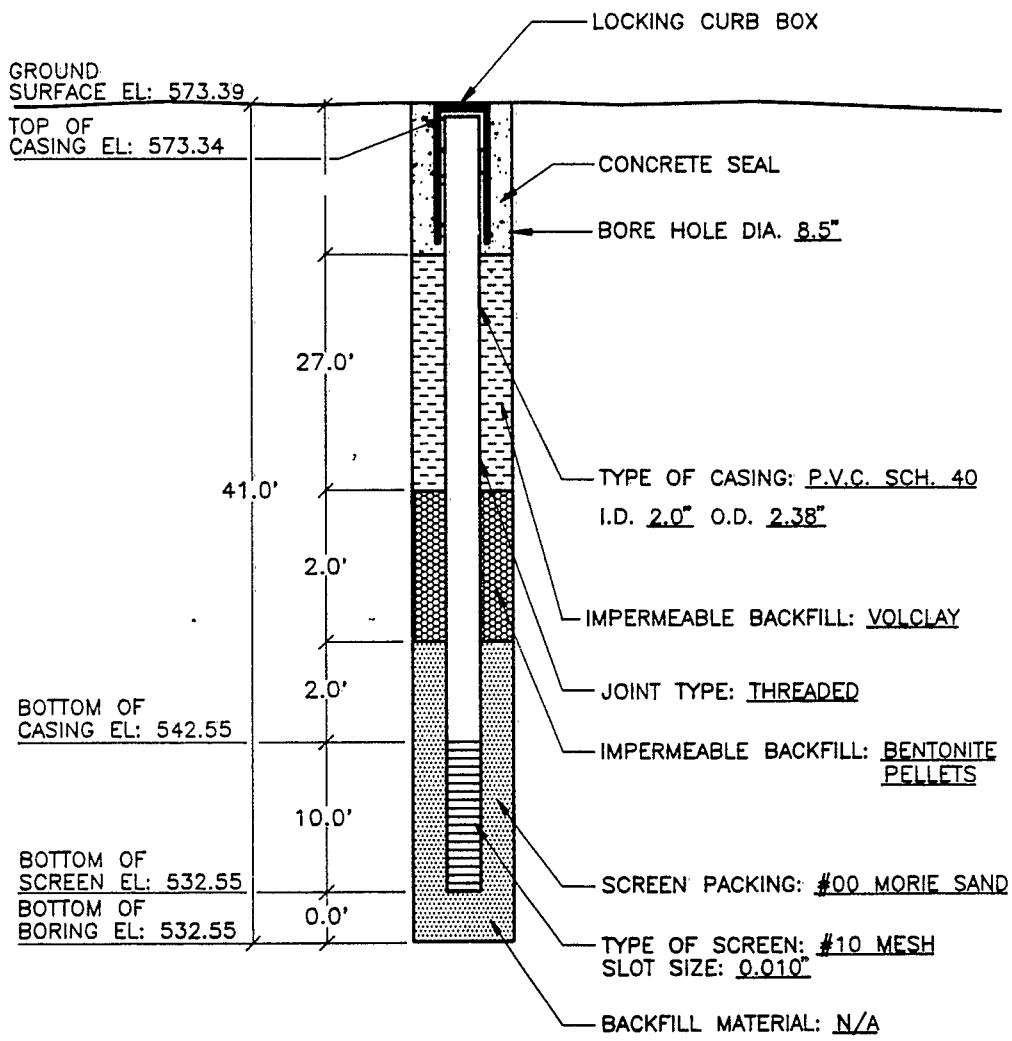
Inferred Relationship to Plume; Within Outside **X** Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-30td



FUSS&O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-30td
LINEMASTER SWITCH COR
PLAINE HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/25/92 SCALE: N.T.S

FILENAME: MW-30td.DWG

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

2 1 1

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-EPA-Ats
SHEET 1 OF 1
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION See map
GROUND ELEVATION 568.9
DATE STARTED 01/16/90 DATE FINISHED 01/16/90

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		-	-	-	-	-	Forest litter and clay loam; dark brown to black.	-	0 ppm	0.0
5.0		S-1	5-7	24/24	6 8 11 15	Very Dense	Silt and clay; VF-F sand; trace rock fragments; dark brown to gray, dry. (Till).	SM	0 ppm	5.0
10.0		S-2	10-12	24/24	4 8 6 15	Very Dense	Silt and clay; VF-F sand; trace rock fragments; dark brown to gray, dry. (Till).	SM	0 ppm	10.0
15.0		S-3	15-17	24/24	5 7 8 13	Very Dense	Silt and clay; VF-F sand; trace rock fragments; dark brown to gray, dry. (Till).	SM	0 ppm	15.0
20.0		S-4	20-22	24/24	6 10 10 13	Very Dense	Silt and clay; VF-F sand; trace rock fragments; dark brown to gray, wet. (Till).	SM	0 ppm	20.0
25.0		S-5	25-27	24/24	4 8 8 11	Very Dense	Silt and clay; VF-F sand; trace rock fragments; dark brown to gray, wet. (Till).	SM	0 ppm	25.0
							Refusal at 28 ft. End of Boring at 28 ft.			

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 28
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= Photoionization Analyzer Model HW101

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-EPA-Ats

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 7 2

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LIN002 E13

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-EPA-Ats**

Date of Completion: **1/16/91**

DEP/WPC I.D.:

Monitoring Point Location:
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Mark Annitto

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.88**

Well Depth Below Ground Surface: **28.48 ft.**

Top of Steel Casing Elevation (MSL): **570.40**

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL): **570.36**

Screened Interval: **18.48 - 28.48 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe:

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2"**

Material: **#00 Morie Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 7 4

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Upper Overburden**

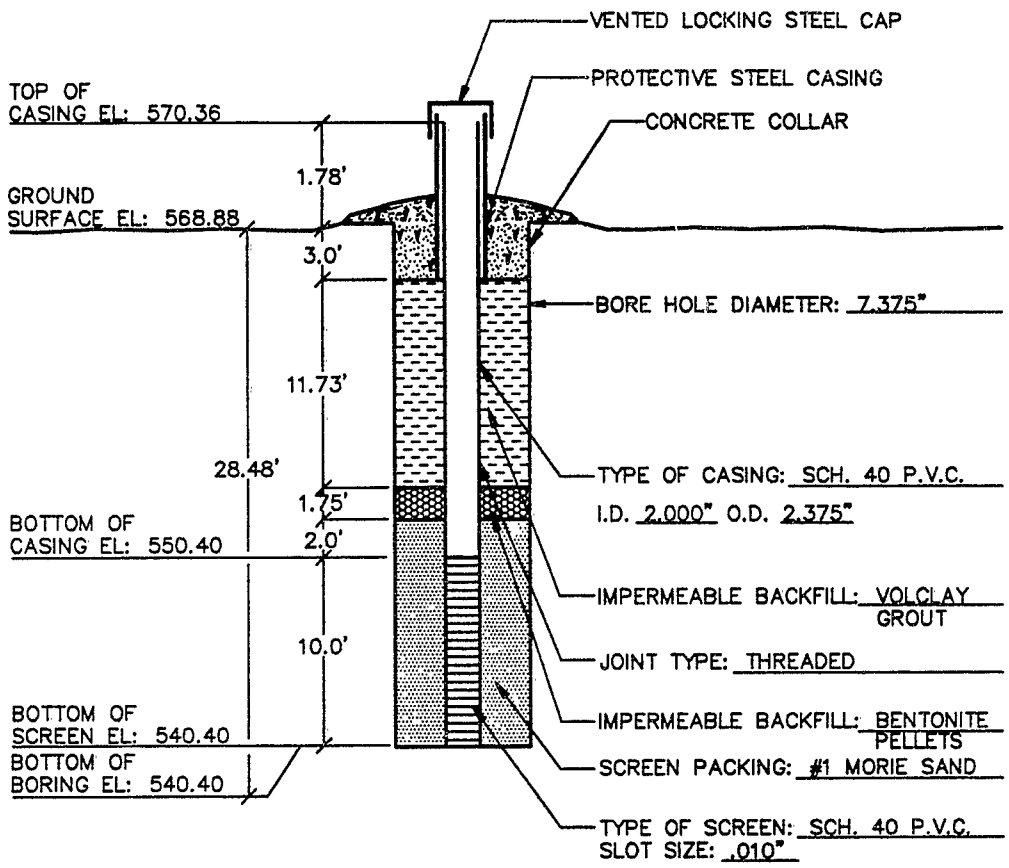
Inferred Relationship to Plume; Within Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

WELL NO. MW-EPA-Ats



FUSS&O'NEILL INC
consulting engineers

WELL CONSTRUCTION DETAILS
MW-EPA-Ats

LINEMASTER SWITCH CORP

PLAINE HILL RD. WOODSTOCK, CT

PROJ. NO. 86-88 DATE: 1/16/90 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 215

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-EPA-Atd SHEET 1 OF 1 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE Mark Annitto

BORING LOCATION North of Paint Shed
GROUND ELEVATION 568.8
DATE STARTED 04/12/91 DATE FINISHED 04/12/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD N/A
HAMMER WT. N/A HAMMER FALL (IN) N/A

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
							See MW-EPA-Asb for lithologic description.			
							Refusal at 56 ft. 1.5 ft. boulder cored.			

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%	HSA	0 - 56
LITTLE	10 TO 20%	Spin Casing	56 - 58
SOME	20 TO 35%	Roller Bit	58 - 58.4
AND	35 TO 50%	Diamond Core	58.4 - 62

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-EPA-Atd

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002219

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-EPA-Atd**

Date of Completion: **4/15/91**

DEP/WPC I.D.:

Monitoring Point Location: (relative to site features) **North of Paint Shed**

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist: **Mark Annitto**

Well Construction Method: **Hollow Stem Auger, Spin Casing, Roller Bit, Diamond Bit through boulder**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.80**

Well Depth Below Ground Surface: **63.76 ft.**

Top of Steel Casing Elevation (MSL): **570.29**

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL): **570.00**

Screened Interval: **53.76 - 63.76 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **54.96 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **12 ft.**

Well Inside Diameter: **2.0"**

Material: **#00 Morie Sand**

Grain Size:

Impermeable Backfill: **Bentonite Pellets**

Well Casing Material and Schedule: **Schedule 40 PVC**

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking X or Threaded Cap

Impermeable Backfill: **Volclay Grout**

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2178

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

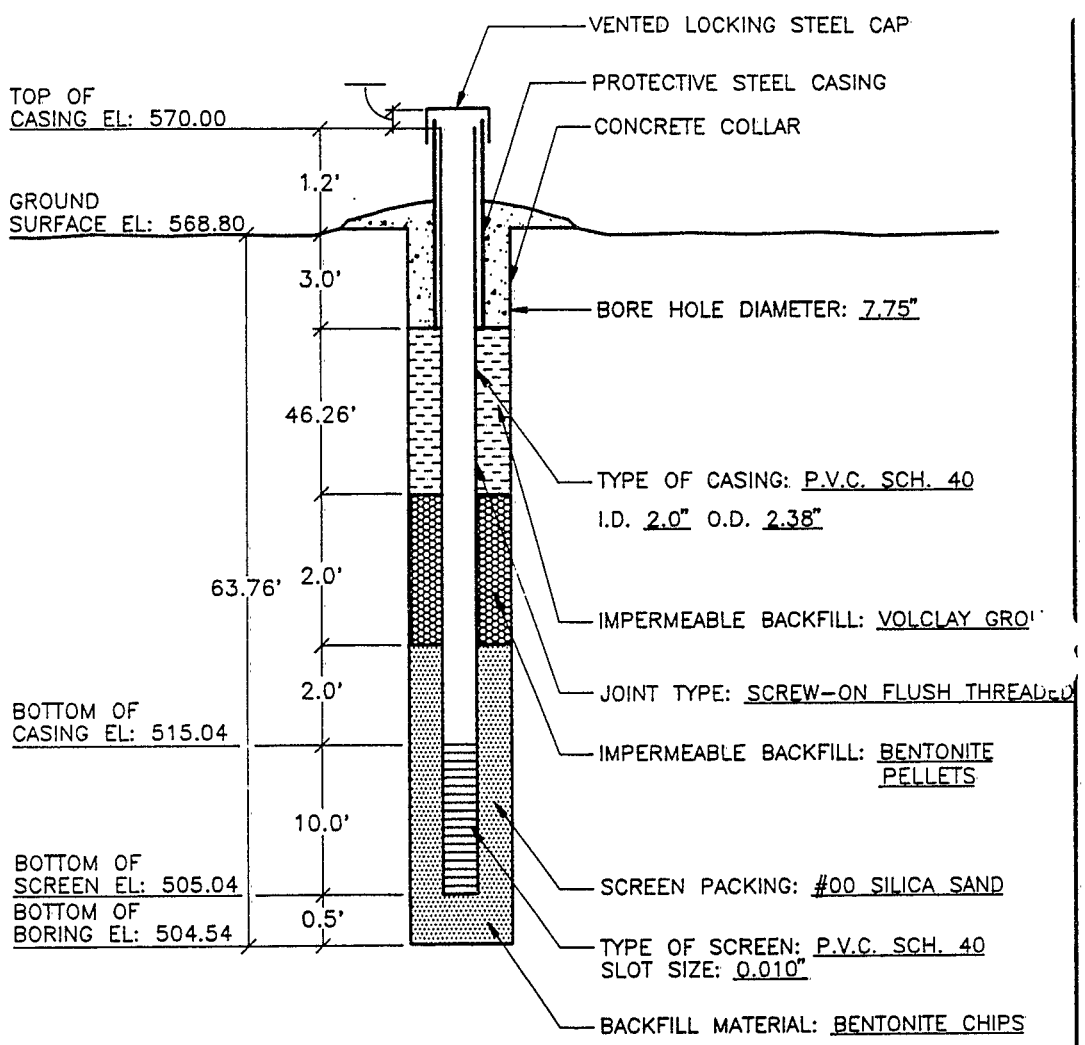
Inferred Relationship to Plume; Within Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

WELL NO. MW-EPA-Atd



FUSS&O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-EPA-Atd
LINEMASTER SWITCH COF
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 4/16/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 279

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. MW-EPA-Asb
SHEET 1 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE C. Frey

BORING LOCATION North of paint shed
GROUND ELEVATION 568.8
DATE STARTED 04/08/91 DATE FINISHED 04/09/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION
04/12/91	PVC	20.60	25.0

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
2.0		S-1	0-1 1-2	24/24	1 3 2 7		SAND, VF; some silt; little angular gravel; moderate olive brown (5Y 4/4).		0 ppm	2.0
4.0		S-2	2-3 3-4	24/24	6 8 13 14		SAND, VF; some silt; little angular gravel and M sand; moderate olive brown (5Y 4/4).		0 ppm	4.0
6.0		S-3	4-5 5-6	24/24	6 8 11 12		SAND, VF; some silt; little angular gravel and M sand and clay; moderate olive brown (5Y 4/4).		0 ppm	6.0
8.0		S-4	6-7 7-8	24/24	5 10 12 17		Same as above. (Till).		0 ppm	8.0
10.0		S-5	8-9 9-10	24/8	6 8 15 15		Same as above.		1 ppm	10.0
12.0		S-6	10-11 11-12	24/20	6 7 23 8		Same as above, wet.		10 ppm	12.0
14.0		S-7	12-13 13-14	24/24	3 9 14 50		Same as above, wet.		13 ppm	14.0
16.0		S-8	14-15 15-16	24/24	12 12 14 16		Sample No. 3361040801 Same as above, more clay.		8 ppm	16.0
18.0		S-9	16-17 17-18	12/12	12 24 50		Same as above, cobble in end of spoon.		0.5 ppm	18.0
20.0		S-10	18-19 19-20	24/24	5 7 8 10		SILT; some VF sand; little angular gravel and clay; dark greenish gray (5GY 4/1).		2 ppm	20.0
22.0		S-11	20-21 21-22	24/24	3 5 8 10		Same as above.		3 ppm	22.0
24.0		S-12	22-23 23-24	12/12	5 79		Same as above, slow auger penetration.		1 ppm	24.0
26.0		S-13	24-25 25-26	24/12	12 10 13 24		Same as above.		3.5 ppm	26.0
28.0		S-14	26-27 27-28	24/24	7 7 8 10		Same as above.		0.5 ppm	28.0
30.0		S-15	28-29 29-30	24/24	3 6 8 12		Same as above.		3.5 ppm	30.0

PROPORTIONS USED	
TRACE	0 TO 10%
LITTLE	10 TO 20%
SOME	20 TO 35%
AND	35 TO 50%

perfill\wellog04

BORING METHOD	DEPTH
HSA	0 - 66
Spin Casing	0 - 66.5
Roller Bit	66 - 69
NX Core	69.2 - 82.5

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-EPA-Asb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0829

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-EPA-Asb SHEET 2 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE C. Frey

BORING LOCATION North of paint shed
GROUND ELEVATION 568.8
DATE STARTED 04/08/91 DATE FINISHED 04/09/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN./REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
32.0		S-16	30-31 31-32	24/24	2 6 9 12		SILT; some VF sand; little clay; F angular gravel; dark greenish gray (5GY 4/1).		0.5 ppm	32.0
34.0		S-17	32-33 33-34	24/24	4 6 6 5		Same as above.		0 ppm	34.0
36.0		S-18	34-35 35-36	24/6	6 13 11 14		Same as above.		0 ppm	36.0
38.0		S-19	36-37 37-38	24/24	4 7 14 14		Same as above.		0 ppm	38.0
40.0		S-20	38-39 39-40	24/24	3 48 12 15		Same as above, weathered bedrock at 39 ft. (1/4")		0 ppm	40.0
42.0		S-21	40-41 41-42	24/24	9 34 75 21		Same as above, weathered bedrock at 41.8 ft. (1")		0 ppm	42.
44.0		S-22	42-43 43-44	24/24	5 6 12 13		Slow Auger Penetration at 41.8 ft.		0 ppm	44.0
46.0		S-23	44-45 45-46	24/18	12 10 14 21		Same as above, water in hole.		0 ppm	46.0
48.0		S-24	46-47 47-48	24/12	10 12 11 21		Same as above, wet, gravel (71") becoming larger.		0 ppm	48.0
50.0		S-25	48-49 49-50	24/20	5 7 12 14		Same as above.		0 ppm	50.0
52.0		S-26	50-51 51-52	24/4	21 14 12 10		Same as above, gravel at end of span.		0 ppm	52.0
54.0		S-27S	52-53 53-54	24/24	22 21 32 27		Same as above.		0 ppm	54.0
56.0		S-28	54-55 55-56	24/24	8 10 12 17		Same as above.		0 ppm	56.0
58.0		S-29	56-57 57-58	24/3	14 11 17 43		Same as above, cobble in span.		0 ppm	58.0
60.0		S-30	58-59 59-60		5 7 140 48					60.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
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REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO.
MW-EPA-Asb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
1 8 2

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. MW-EPA-Asb SHEET 3 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE C. Frey

BORING LOCATION North of paint shed
GROUND ELEVATION 568.8
DATE STARTED 04/08/91 DATE FINISHED 04/09/91

DRILLING METHOD Hollow Stem Auger / NX Core
SAMPLING METHOD Split Spoon / NX Core
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
62.0		S-31	60-61 61-62	24/24	4 7 12 16		SILT; some VF sand; little clay; F angular gravel; dark greenish gray (5GY 4/1).		0 ppm	62.0
64.0		S-32	62-63 63-64	24/24	5 20 120 7		Same as above, very slow penetration with auger at 63.5 feet.		0 ppm	64.0
66.0		S-33	64-65 65-66	24/16	6 16 12 14		Same as above.		0 ppm	66.0
68.0		S-34	66-67 67-68	6/6	104 R		Same as above, weathered gneiss at end of spoon. Auger refusal.		0 ppm	68.0
70.0			68-69 69-70				4/10 Drillers set 4" ID casing, pulled auger up to 50 ft. Spun Casing.			70.0
72.0			70-71 71-72				Very Slow Penetration from 69 to 73 ft.			72.0
74.0			72-73 73-74							74.0
76.0			74-75 75-76				Fast Penetration from 73 to 75 ft. Slow Penetration 75 to 75.6 ft.			76.0
							Roller Core from 75.6 to 81.5 ft.			

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. MW-EPA-Asb

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 282

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **MW-EPA-Asb**

Date of Completion: **4/11/91**

DEP/WPC I.D.:

Monitoring Point Location: **North of paint shed**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Chris Frey

Well Construction Method: **Hollow Stem Auger, Rock Corer**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.83**

Well Depth Below Ground Surface: **81.85 ft.**

Top of Steel Casing Elevation (MSL): **569.99**

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL): **569.93**

Screened Interval: **71.85 - 81.85 ft.** :

Length of Screen: **10 ft.**

Length of Riser Pipe: **72.95 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **x**

Screen Packing: Yes **x** No:

If Yes, Thickness: **12.5 ft.**

Well Inside Diameter: **2.0"**

Material: **#1 Morie Sand**

Grain Size:

Impermeable Backfill:
Bentonite Pellets

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval: **1-2 gpm**

Method of Well Development:

Time Spent Developing;

Locking **X** or Threaded Cap

Impermeable Backfill:
Volclay Grout

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 283

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 8 4

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **82.95 ft.**

Water-Bearing Rock Unit: **Muscovite / Biotite Schist**

Water-Bearing Sections (Depths and Approximate Yields): **71.5 to 81.5 ft.**
Total Yield = 1-2 gpm

Length of Rock Cores: **13.3 ft.**

Diameter of Core Hole: **2"**

Thickness and Depth of Impermeable Backfill:

O-ring Seals: Yes: No: **X**

GEOLOGIC INFORMATION

Aquifer: **Hebron Formation**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Pegmatite Schist**

Attach Maps and Plans Required of G.I.j. and G.4.

FUSS & ONEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

ROCK CORE LOG

PROJECT: LINEMASTER
LOCATION: WOODSTOCK, CT

BORING NO. MW-EPA-Asb
SHEET 1 OF 1
JOB NO. 86-88

DRILLING CO.: Geologic Co. DATE STARTED: 4/8/91 DATE FINISHED: 4/11/91
DRILLER: Ray Sima GROUND ELEVATION:
CORING METHOD: Nx Core CORE DIAMETER: 2"
FUSS & O'NEILL REPRESENTATIVE: Mark Annitto

DEPTH	COMMENTS (TESTS, INSTRUMENTATION, CORING RATE AND SMOOTHNESS, CORING FLUID LOSS)	CORE RUN LENGTH AND RECOVERY(%)	CORE LOSS ZONE	DISCONTINUITIES: RQD	FRACTURES PER FOOT	DESCRIPTION (TIGHTNESS, SPACING, PLANARITY, SMOOTHNESS, FILLING, ORIENTATION, ALTERATION, STAINING, WEATHERING, STRUCTURE)	LITHOLOGY (MINEROLOGY, CLASSIFICATION, COLOR, GRAIN SIZE, ALTERATION, FORMATION NAME, CEMENTATION, HARDNESS, WEATHERED STATE, TEXTURE, ORIENTATION, SPACING)	GRAPHIC LOG
69.2	NX Core Rate (35 min/ft) Very Slow Smooth Zero Loss	1 0.8 100	0	65	1-1	Tight Non PLanar Fractures Fe Stain	Pegmatitic, some biotite schist inclusions	
70	NX Core Very Slow Smooth Zero Loss Rate (1 min 20 sec/ft)	2 5.0 96	.2	91	1-1 2-2 3-1 4-1 5-1	Tight Non Planar Fractures Fe Stain	Pegmatitic 70 to 70.5 ft. Biotite Schist 70.5 to 75.0 ft.	
75	NX Core Very Slow Smooth Some Loss	3 5.0 104	0	86	1-1 2-12 3-1 4-0 5-1 1	Tight Non PLanar to Planar Fractures Fe Stain Highly weathered about 77 ft.	Biotite Schist pegmatite zone at 78 ft.	
80	NX Core Very Slow Smooth Some Loss	4 2.5 100	0	0	1-13 2-9 3-12	Loose Planar Fractures Very Weathered Fe Stain	Biotite Schist soft very weathered	
82.5								
	perfill/r-core3							

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 285

FUSS & O'NEILL, INC. CONSULTING ENGINEERS	PROJECT/LOCATION	BORING NO.: MW-EPA-Asb
	LINEMASTER	SHEET 1 OF 1
	WOODSTOCK, CT	JOB NO.: 86-88

DEERES ROCK QUALITY DESIGNATIONS

RUN NO.	RUN LENGTH (FT.)	RECOVERY LENGTH (FT.)	SUM LENGTH OF CORE PIECES >.328 ft. (100mm)	RQD(%) SUM LENGTH OF CORE 100 x PIECES > .328'/ RUN LENGTH	% RECOVERY RECOVERY LENGTH/ 100 x RUN LENGTH
1	0.77	0.77	0.5	65%	100%
2	5	4.63	4.5	90%	93%
3	5	5.1	4.3	86%	102%
4	2.4	2.4	0	0%	100%

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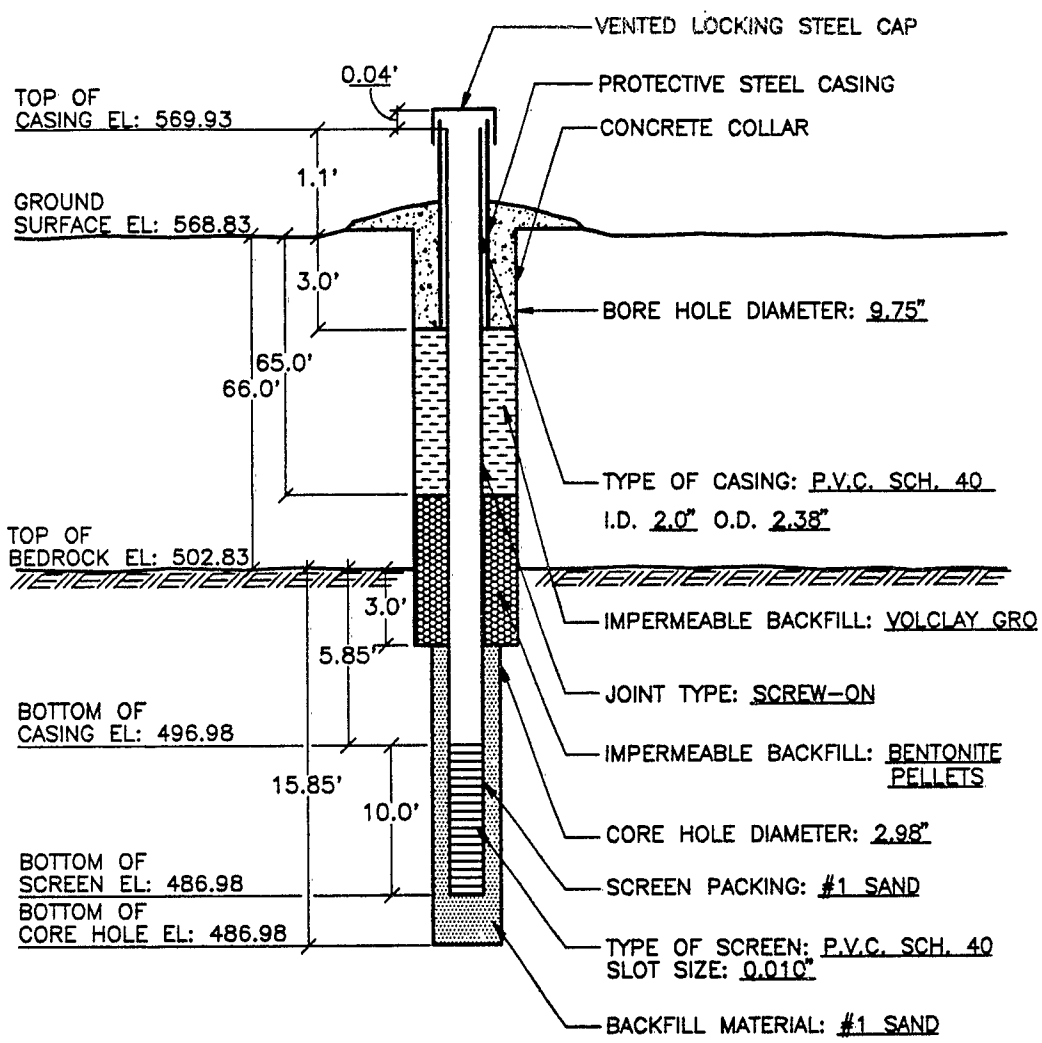
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 289

WELL NO. MW-EPA-Asb



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
MW-EPA-Asb
LINEMASTER SWITCH CO
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 4/12/91 SCALE: N.T.S

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002
1 8 2

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. DW-1t SHEET 1 OF 3 JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE JLR

BORING LOCATION Near former dry well
GROUND ELEVATION 568.7
DATE STARTED 03/27/91 DATE FINISHED 03/28/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
		S-1	0-2	24/6	2 6 6 7	Loose	SAND, C-M; some F sand; trace silt-clay; gray to moderate brown (5YR 4/4), moist. No noticeable odor. No layering. (Fill).		0.4 max ppm	
1.0										1.0
2.0		S-2	2-4	24/9	2 1 1 1	Loose	Same as above, except moderate brown (5Y 4/4), wet.		0.4 max ppm	2.0
3.0										3.0
4.0		S-3	4-6	24/7	2 2 1 1	Loose	SAND, C-M; some VC sand; little F sand; brown, wet.		3.0 max ppm	4.0
5.0										5.0
6.0		S-4	6-8	24/9	1 2 7 13	Very Stiff	CLAY; little silt; little F-M sand; light olive brown (5Y 5/2), wet. Overlain by C sand wash. No strong odor. (Till).		>1000 ppm	6.0
7.0										7.0
8.0		S-5	8-10	24/24	2 6 8 14	Very Stiff	CLAY; some silt; little VC subangular sand; some M-C sand mostly on outside of the sample; light olive gray (5Y 5/2), wet.		>1000 ppm	8.0
9.0							Odor.			9.0
10.0		S-6	10-12	24/24	3 6 7 13	Very Stiff	CLAY; little silt; little F-M sand; trace subrounded F gravel; light olive gray (5Y 5/2) to dusky yellow (5Y 6/4), wet. Not noticeably		>1000 ppm	10.0
11.0							layered. Odor present.			11.0
12.0		S-7	12-14	24/15	6 7 58 13	Very Stiff	CLAY; some silt; little F-M sand; little-some F-M subrounded rock fragments; pale olive (10Y 6/2), wet. Not layered. Odor		>1000 ppm	12.0
13.0							present. Black weathered rock in lower 3".			13.0
14.0		S-8	14-16	24/20	6 8 12 18	Very Stiff	CLAY; little silt; little F sand; little F-M rounded gravel; light olive gray (5Y 5/2) to moderate olive brown (5Y 4/4), wet.		>1000 ppm	14.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%	HSA	0 - 43
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

REMARKS:

FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-1t

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002288

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. DW-1t
SHEET 2 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE JLR

BORING LOCATION Near former dry well
GROUND ELEVATION 568.7
DATE STARTED 03/27/91 DATE FINISHED 03/28/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
15.0										15.0
16.0		S-9	16-18	24/12	10 6 19	Very Stiff	Same as above.		600 ppm	16.0
17.0					50 (6")					17.0
18.0		S-10	18-20	24/18	5 7 26 23	Very Stiff	CLAY; little F sand-silt; little F subrounded-subangular gravel; light olive gray (5Y 5/2), wet. Spongy. No layering. No strong		300 ppm	18.0
19.0							odor. Purplish layered weathered rock at bottom of spoon. (Till).			19.0
20.0		S-11	20-22	24/20	6 6 7 8	Very Stiff	CLAY; little F sand-silt; little VF-F subrounded-subangular gravel; trace C gravel (weathered rock); light olive gray (5Y 5/2), wet.		450 max ppm	20.0
21.0							Spongy.			21.0
22.0		S-12	22-24	24/15	5 8 16 12	Very Stiff	CLAY; V little F sand-silt; little VF subangular-subrounded gravel; light olive gray (5Y 5/2), wet. Spongy.		100 max ppm	22.0
23.0										23.0
24.0		S-13	24-26	24/5	8 8 7 9	Very Loose	Same as above, with more F gravel, wash-like.		30 max ppm	24.0
25.0										25.0
26.0		S-14	26-28	24/9	8 13 19 18		Same as sample 22-24'.		30 max ppm	26.0
27.0										27.0
28.0		S-15	28-30	24/20	8 7 11 12	Very Stiff	CLAY; little F sand-silt; little VF subrounded gravel; light olive gray (5Y 5/2), wet. Odor.		N/A	28.0
29.0										29.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-1t

NOTICE
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 8 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. DW-1t
SHEET 3 OF 3
JOB. NO. 86-88

DRILLING CO. Geologic Co.
DRILLER Ray Sima
FUSS & O'NEILL REPRESENTATIVE JLR

BORING LOCATION Near former dry well
GROUND ELEVATION 568.7
DATE STARTED 03/27/91 DATE FINISHED 03/28/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		S-16	30-32	24/12	6 8 12 15		Same as above.		N/A	30.0
31.0										31.0
32.0		S-17	32-34	24/20	16 17 28 19		Same as above, except less dense.		N/A	32.0
33.0										33.0
34.0		S-18	34-36	24/22	12 15 18 25	Very Stiff	CLAY; little silt-F sand; little-some M-F subangular gravel; trace C gravel; light olive gray (5Y 5/2), wet. No strong odor.		N/A	34.0
35.0										35.0
36.0		S-19	36-38	24/24	7 9 12 31		Same as above. (Till).		N/A	36.0
37.0										37.0
38.0		S-20	38-40	24/20	6 8 12 16	Very Stiff	CLAY; little M-F sand (may be in lenses); trace C sand; light olive gray (5Y 5/2), wet. Odor.		47 max ppm	38.0
39.0										39.0
40.0		S-21	40-42	24/19	3 6 15 21		Same as above, except no C sand.		10 max ppm	40.0
41.0										41.0
42.0		S-22	42-43	12/7	12 100 (6")		Same as above, with C broken weather rock fragments at base of spoon.			42.0
43.0										43.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= OVA calibrated to 100 ppm isobutane

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-1t

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LINEMASTER SWITCH ADMINISTRATIVE RECORD

LIN002 0290

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **DW-1t**

Date of Completion: **3/28/91**

DEP/WPC I.D.:

Monitoring Point Location: **Near former dry well**
(relative to site features)

Drilling Contractor: **Geologic Co.**

Supervising Engineer/Geologist:
Jooke L. Robbins

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL): **568.71**

Well Depth Below Ground Surface: **42.55 ft.**

Top of Steel Casing Elevation (MSL): **570.33**

Refusal: Yes No: X

Top of PVC Casing Elevation (MSL): **569.93**

Screened Interval: **2.55 - 42.55 ft.** :

Length of Screen: **40 ft.**

Length of Riser Pipe: **3.77 ft.**

Screen Type: **PVC Schedule 40**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **41 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size:

Impermeable Backfill:

Well Casing Material and Schedule:
Schedule 40 PVC

Estimated K Screened Interval:

Method of Well Development:

Time Spent Developing;

Locking or Threaded Cap

Impermeable Backfill:

LIN002 291

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Upper Overburden Aquifer**

Inferred Relationship to Plume; Within **X** Outside Edge

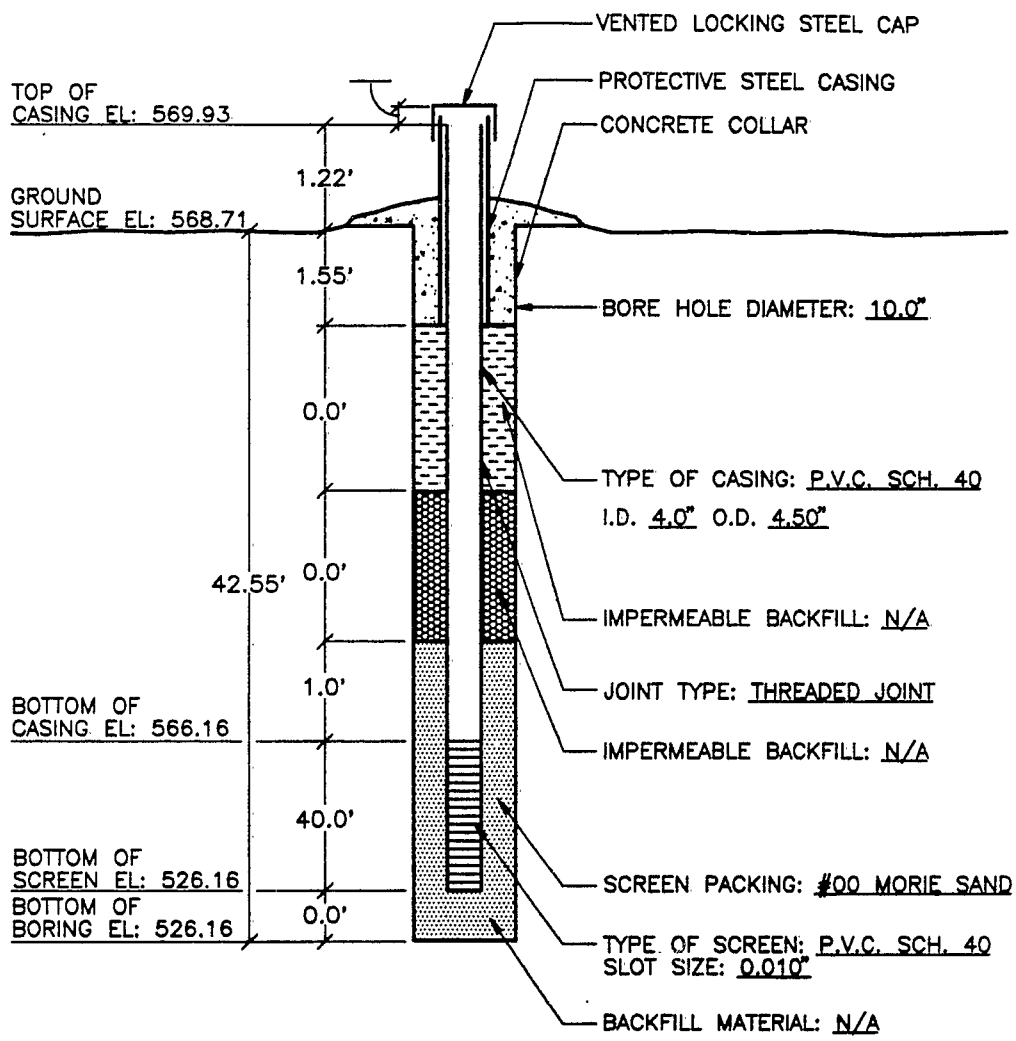
Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log):

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 2 of 2

WELL NO. DW-1t



FUSS & O'NEILL inc
consulting engineers

WELL CONSTRUCTION DETAILS
DW-1t
LINEMASTER SWITCH COR
PLAIN HILL RD. WOODSTOCK, CT.
PROJ. NO. 86-88 DATE: 3/28/91 SCALE: N.T.S

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
293

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. DW-2T
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Dilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/29/91 DATE FINISHED 12/02/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		71	0-2	24/24	6 8 12 13		Sand, F-M, and silt; little gravel; some organic material; dark yellowish brown (10YR 4/2).		320 ppm	0.0
2.0										2.0
4.0		72	4-6	24/20	20 20 40 R		Sand, F, and silt; little gravel; some weathered schist; dark yellowish brown (10YR 4/2), very dry. Dusky.		140 ppm	4.0
6.0										6.0
8.0		73	9-11	24/20	8 6		Sand, F, and silt; some gravel; light olive brown (5Y 5/6). (Till).		>1000	8.0
10.0		74			9 9		Paint thinner odor in cuttings.		ppm	10.0
12.0										12.0
14.0		75	14-16	24/24	9 10 12 9		Sand, F, and silt; little gravel; grayish olive (10Y 4/2). (Till). Paint thinner odor.		>1000 ppm	14.0
16.0										16.0
18.0		77	19-21	24/10	10 12		TILL; weathered schist cobbles; light olive gray (5Y 5/2).		120 ppm	18.0
20.0					12 12					20.0
22.0										22.0
24.0			25-27	24/0	7 14		No sample.			24.0
26.0					18 20					26.0
28.0										28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame Ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-2T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. DW-2T SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/29/91 DATE FINISHED 12/02/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		78	30-32	24/6	6 12 14 24		Sand, F, and silt; some gravel; olive gray (5Y 3/4). (Till). Schist cobble in end of spoon.		300 ppm	30.0
32.0										32.0
34.0		79	34-36	24/20	8 12 14 18		Sand, F, and silt and gravel. Slight odor.		390 ppm	34.0
36.0							36-38': BOULDER.			36.0
38.0										38.0
40.0		80	40-41	12/10	12 15 R	Very Dense	Rock fragments and cobbles.		110 ppm	40.0
42.0							End of Boring at 40.5 ft.			42.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-2T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 295

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **DW-2T**

Date of Completion: **12/2/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist: **Paul LaRock**

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **4.5 - 40.5 ft.** :

Length of Screen: **36 ft.**

Length of Riser Pipe: **6.5 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **40.5 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 6 5 5

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 291

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. DW-3T
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/05/91 DATE FINISHED 12/06/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		115	0-2	24/16	7 4 / 4 6		SAND, F-M; some silt; little organic material; dusky yellowish brown (10YR 2/2). Strong paint thinner odor.		950 ppm	0.0
2.0										2.0
4.0		116	4-6	24/24	3 5 / 10 18		Sand, F-M, and silt; schist cobbles; dark yellowish brown (10YR 4/2). Strong paint thinner odor.		<1000 ppm	4.0
6.0										6.0
8.0			8-10	24/0	12 20 / 24 30		No recovery. Tube destroyed while pounding spoon.		-	8.0
10.0		118	10-12	24/24	10 10 / 12 18		Sand, F, and silt; some gravel; trace schist cobbles; grayish olive (10Y 4/2). No odor.		120 ppm	10.0
12.0										12.0
14.0			15-17	24/0	8 10		No sample. Schist cobble wedged in spoon.		-	14.0
16.0					10 15					16.0
18.0		117	18-20	24/20	12 22 / 22 40		Light olive gray (5Y 5/2). Slight odor. (Tube sample).		300 ppm	18.0
20.0		119	20-22	24/24	8 9 / 12 15		Sand, F, and silt; little gravel; light olive gray (5Y 5/2).		370 ppm	20.0
22.0										22.0
24.0		121	25-27	24/14	5 7		Sand, F, and silt; little gravel; olive gray (5Y 3/2). Moderate odor.		800 ppm	24.0
26.0					10 12					26.0
28.0		122	28-30	24/22	15 25 / 30 40		Olive gray (5Y 3/2). (Tube sample).		-	28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-3T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
8 6 2

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. DW-3T
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/05/91 DATE FINISHED 12/05/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		123	30-32	24/8	7 8 10 18		Sand, F, and silt; trace gravel; trace schist cobbles; olive gray (5Y 3/2). Slight odor.		490 ppm	30.0
32.0										32.0
34.0		124	35-37	24/22	8 8		Sand, F, and silt; trace gravel; olive gray (5Y 3/2). Moderate		980 ppm	34.0
36.0					10 15		odor.			36.0
38.0							End of Boring at 38.5 ft.			38.0
40.0										40.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-3T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 259

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **DW-3T**

Date of Completion: **12/6/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **2 - 36.5 ft.** :

Length of Screen: **34.5 ft.**

Length of Riser Pipe: **6 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No

Screen Packing: Yes **X** No:

If Yes, Thickness: **36.5 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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ADMINISTRATIVE RECORD

LIN002 1 0 3

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. DW-4T SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/25/91 DATE FINISHED 11/26/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		54	0-2	24/24	8 5 5 8		0-0.3': Woodchips and plastic. 0.3-2': Sand, F, and silt; dark yellowish brown (10YR 4/2). Little		650 ppm	0.0
2.0							root material. No odor.			2.0
4.0		55	4-6	24/24	4 9 22 14		TILL, dark yellowish brown (10YR 4/2).		120 ppm	4.0
6.0							7': BOULDER. Offset 3 feet toward factory. Boulder again at 7			6.0
8.0							feet. Offset another 3 feet toward driveway.			8.0
10.0		56 58	10-12	24/18	3 6 7 7		SAND, F, and silt; some gravel; moderate olive brown (5Y 4/4). Slight odor.		540 ppm	10.0
12.0										12.0
14.0		57	15-17	24/24	6 8		Sand, F, and silt; little gravel; light olive brown (5Y 5/2). Slight		500 ppm	14.0
16.0					10 14		odor.			16.0
18.0										18.0
20.0		66	20-22	24/24	12 20 30 40		Sand, F, and silt; some gravel; olive gray (5Y 3/2). (Till).		120 ppm	20.0
22.0										22.0
24.0		60	25-27	24/18	20 18		Same as above, weathered schist fragments, olive gray (5Y 3/2).		220 ppm	24.0
26.0					18 20		Slight odor.			26.0
28.0										28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
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REMARKS:

FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-4T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0302

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. DW-4T SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/25/91 DATE FINISHED 11/26/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		61	30-32	24/24	8 12 14 24		Sand, F, and silt; some gravel and schist fragments; olive gray (5Y 3/2). Slight odor.		200 ppm	30.0
32.0										32.0
34.0		62	35-37	24/20	7 8		Same as above, no cobbles, some gravel. Slight odor.		180 ppm	34.0
36.0					12 20		End of Boring at 37.5 ft.			36.0
38.0							Auger refusal at 37.5 ft.			38.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. DW-4T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 304

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **DW-4T**

Date of Completion: **11/26/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **3.5 - 37.5 ft.** :

Length of Screen: **34 ft.**

Length of Riser Pipe: **5.5 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **37.5 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 505

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-1T
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/05/91 DATE FINISHED 12/05/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		103	0-2	24/24	6 7 7 8		Sand, F-M, and silt; trace gravel; dusky brown (5YR 2/2). Root material.		60 ppm	0.0
2.0										2.0
4.0		104	4-6	24/24	12 15 18 30		Sand, F, and silt; trace gravel and schist cobbles; moderate brown (5YR 3/4). Paint thinner odor.		520 ppm	4.0
6.0										6.0
8.0		106	8-10	24/14	15 20 28 30		Dark yellowish brown (10YR 4/2). Strong paint thinner odor. (Tube sample).		-	8.0
10.0		105	10-12	24/14	8 12 20 20		Sand, F, and silt; some gravel; light olive gray (5Y 5/2). Strong paint thinner odor.		>1000 ppm	10.0
12.0										12.0
14.0		107	14-16	24/24	6 8 12 12		Sand, F, and silt; some gravel; trace schist cobbles; light olive gray (5Y 5/2). Strong paint thinner odor.		>1000 ppm	14.0
16.0		108	17-19	24/18	12 20		Light olive gray (5Y 5/2). Slight odor. (Tube sample).		-	16.0
18.0					25 30					18.0
20.0		109	20-22	24/20	8 12 20 20		Sand, F, and silt; little gravel; little weathered schist cobbles; light olive gray (5Y 5/2).		270 ppm	20.0
22.0										22.0
24.0		110	25-27	24/24	5 6		Sand, F, and silt; little gravel; olive gray (5Y 3/2). Moderate odor.		800 ppm	24.0
26.0					8 10					26.0
28.0		111	28-30	24/14	15 30 42 40		Olive gray (5Y 3/2). Slight odor. (Tube sample).		-	28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-1T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 6 9

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. OW-1T SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/05/91 DATE FINISHED 12/05/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0		112	30-32	24/24	5 5 8 15		Sand, F, and silt; some gravel; olive gray (5Y 3/2). Slight odor.		400 ppm	30.0
32.0										32.0
34.0		113	35-37	24/24	8 8		Sand, F, and silt; little gravel; olive gray (5Y 3/2).		380 ppm	34.0
36.0					12 15					36.0
38.0										38.0
40.0		114	40-42	24/16	7 9 12 14		Sand, F, and silt; some gravel; light olive gray (5Y 5/2). Strong paint thinner odor.		200 ppm	40.
42.0							End of Boring at 42.5 ft.			42.0
44.0										44.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-1T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0371

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **OW-1T**

Date of Completion: **12/5/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **4.5 - 42.5 ft.** :

Length of Screen: **38 ft.**

Length of Riser Pipe: **6.5 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **42.5 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing; **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: N/A

Water-Bearing Rock Unit: N/A

Water-Bearing Sections (Depths and Approximate Yields): N/A

Length of Rock Cores: N/A

Diameter of Core Hole: N/A

Thickness and Depth of Impermeable Backfill: N/A

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within X Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 969

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. OW-2T SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/04/91 DATE FINISHED 12/04/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		90	0-2	24/24	10 10 12 14		Sand, F-M, and silt; little gravel; dark yellowish brown (10YR 4/2). Some root material.		15 ppm	0.0
2.0										2.0
4.0		91	4-6	12/12	10 40 R		Sand, F-M, and silt; little gravel; schist cobbles; moderate olive brown (5Y 4/4).		8 ppm	4.0
6.0										6.0
8.0		92	9-11	24/24	5 8		Sand, F, and silt; some gravel; grayish olive (10Y 4/2).		22 ppm	8.0
10.0					9 12					10.0
12.0										12.0
14.0		93	14-16	24/24	6 20 10 12		Sand, F, and silt; some gravel; little schist cobbles; grayish olive (10Y 4/2).		110 ppm	14.0
16.0										16.0
18.0		94	19-21	24/18	6 7		Sand, F, and silt; little gravel; schist cobbles; light olive gray		90 ppm	18.0
20.0		95			12 12		(5Y 5/2).			20.0
22.0										22.0
24.0		96	24-26	24/12	6 6 12 14		Sand, F, and silt; little gravel; schist cobbles; light olive gray (5Y 5/2). Slight odor.		210 ppm	24.0
26.0		97	27-29	24/12	18 28		Light olive gray (5Y 5/2). (Tube sample).		-	26.0
28.0		98	29-31	24/24	40 50 8 12		Sand, F, and silt; little gravel; olive gray (5Y 3/2). Slight odor.		380 ppm	28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-2T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. OW-2T SHEET 2 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/04/91 DATE FINISHED 12/04/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0					19 24					30.0
32.0		99	32-34	24/12	8 20 44 50		Olive gray (5Y 3/2). (Tube sample).		-	32.0
34.0		100	35-37	24/18	8 12		Sand, F, and silt; some gravel; olive gray (5Y 3/2). Odor.		360 ppm	34.0
36.0					12 14					36.0
38.0										38.0
40.0		101	40-41	12/10	12 13 R		Sand, F, and silt; some gravel.		220 ppm	40.
42.0							End of Boring at 41 ft. Auger refusal at 41 ft.			42.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT=

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-2T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E 1 2

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **OW-2T**

Date of Completion: **12/4/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **4 - 41 ft.** :

Length of Screen: **37 ft.**

Length of Riser Pipe: **6 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **37 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 1 3

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-3T
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/26/91 DATE FINISHED 11/27/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		63	0-2	24/18	4 8 10 12	Loose	SAND, F; silt; little gravel; yellowish brown, dry. (Little till).		2 ppm	0.0
2.0										2.0
4.0		64	4-6	24/6	1 1 2 1		Possible fill for sewer line. No headspace sample.		-	4.0
6.0										6.0
8.0		65	9-11	24/16	6 6		Sand, F, and silt; some gravel; light olive gray (5Y 5/2). (Till).		320 ppm	8.0
10.0					8 12		Slight paint thinner odor.			10.0
12.0							13.5': Auger refusal. Offset 6 feet past sewer line.			12.0
14.0		67	14-16	18/14	10 12 40 R		Sand, F, and silt and gravel; few schist cobbles; light olive gray (5Y 5/2). (Till).		150 ppm	14.0
16.0										16.0
18.0		68	19-21	24/12	6 8		Same as above, very sloppy, wet.		260 ppm	18.0
20.0					8 12					20.0
22.0										22.0
24.0		69	25-27				Spoon fell with weight of rods. Possibly in old hole from B-27.		120 ppm	24.0
26.0										26.0
28.0										28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-3T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
3 1 4

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-3T
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/26/91 DATE FINISHED 11/27/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0										30.0
32.0										32.0
34.0										34.0
36.0										36.0
38.0										38.0
40.0										40.0
42.0										42.0
44.0			44				Sand, F, and silt; olive gray, wet. Very sloppy. (Till). Slight odor.		120 ppm	44.0
							End of Boring at 44 ft.			

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-3T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 1 5

MONITOR WELL COMPLETION REPORT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 1 5

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **OW-3T**

Date of Completion: **11/27/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **4 - 44 ft.** :

Length of Screen: **40 ft.**

Length of Riser Pipe: **6 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **10 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing; **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E 1 1

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. OW-4T SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/02/91 DATE FINISHED 12/02/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		81	0-2	24/9	6 7 7 6		Sand, F, and silt; trace gravel; dark yellowish brown (10YR 4/2). Trace root material.		15 ppm	0.0
2.0										2.0
4.0		82	4-6	24/24	8 10 10 12		Sand, F, and silt; some gravel; few very weathered schist cobbles; moderate olive brown (5Y 4/4).		54 ppm	4.0
6.0										6.0
8.0		83	9-11	24/18	24 18		Sand, F, and silt; some schist fragments; light olive gray		46 ppm	8.0
10.0					14 14		(5Y 5/2). (Till).			10.0
12.0										12.0
14.0		84	14-16	24/24	8 10 12 18		Same as above, more gravel, schist fragments.		105 ppm	14.0
16.0										16.0
18.0		85	19-21	24/24	7 9		Sand, F, and silt; some cobbles; light olive gray (5Y 5/2). (Till).		140 ppm	18.0
20.0					9 12		Slight odor.			20.0
22.0										22.0
24.0		86	24-26	24/24	5 7 7 12		Sand, F, and silt; cobbles; rock fragments; olive gray (5Y 3/2). (Till).		120 ppm	24.0
26.0										26.0
28.0		87	29-31	24/24	5 6		Same as above.		60 ppm	28.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

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REMARKS:

FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-4T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 1 8

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-4T
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 12/02/91 DATE FINISHED 12/02/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 130 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0					10 15					30.0
32.0										32.0
34.0		88	34-36	24/8	24 15 16 18		Sand, F, and silt and gravel; weathered schist cobbles and fragments.		50 ppm	34.0
36.0										36.0
38.0							End of Boring at 39.5 ft.			38.0
40.0							Auger refusal at 39.5 ft.			40.0

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-4T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
319

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **OW-4T**

Date of Completion: **12/2/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **3.5 - 39.5 ft.** :

Length of Screen: **36 ft.**

Length of Riser Pipe: **4.5 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **39.5 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 020

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 2 1

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. OW-5T SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/21/91 DATE FINISHED 11/25/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		43	0-2	24/18	4 6 5 6		0-0.3': Chips over plastic. 0.3-0.7': TILL, sandy.		90 ppm	0.0
2.0							0.7-1.7': Black organic material.			2.0
4.0		44	4-6	24/24	6 8 10 18		Sand, F, silty, and gravel; weathered schist fragments; light olive brown (5Y 5/6). (Till).		68 ppm	4.0
6.0										6.0
8.0		45	9-11	24/24	3 6		8': Strong odor in drill cuttings. 2 ppm in breathing zone. Sand, silty, and gravel; moderate olive brown (5Y 4/4). (Till).		800 ppm >1000	8.0
10.0		46			9 12		Very strong paint thinner odor.		ppm	10.0
12.0										12.0
14.0		47	14-16	24/24	6 6 10 11		TILL; pegmatite fragments; moderate olive brown (5Y 4/4). Odor present but not as strong.		870 ppm	14.0
16.0										16.0
18.0		48	19-21	24/10	6 10		Same till as above. Schist cobble in end of spoon. No jar		320 ppm	18.0
20.0					10 12		sample.			20.0
22.0										22.0
24.0		49	24-26	18/16	7 8 30 R		Sand, F, and silt; some gravel; olive gray (5Y 3/2). (Till, darker). Slight odor.		310 ppm	24.0
26.0										26.0
28.0		51	29-31	24/18	6 12		Sand, F, and silt; some gravel; olive gray (5Y 3/2). (TILL). Slight		300 ppm	28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:

FIELD INSTRUMENT= Foxboro OVA Model 128
Flame Ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-5T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 223

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-5T
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/21/91 DATE FINISHED 11/25/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0							odor.			30.0
32.0										32.0
34.0		52	34-36	24/8	8 10 10 14		Same as above, less gravel; olive gray (5Y 3/2). Schist in end of spoon.		300 ppm	34.0
36.0										36.0
38.0		53	39-41	8/6	48 R		SAND, F; silt; some gravel; olive gray (5Y 3/2). (TILL).		320 ppm	38.0
40.0							40.5': BEDROCK.			40.0
42.0							End of Boring			42.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-5T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E 2 3

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **OW-5T**

Date of Completion: **11/25/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **4.5 - 40.5 ft.** :

Length of Screen: **36 ft.**

Length of Riser Pipe: **6.5 ft.**

Screen Type: **10 Slot Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **40.5 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E25

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.I.j. and G.4.

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-6T
SHEET 1 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/20/91 DATE FINISHED 11/21/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN/REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		33	0-2	24/20	3 3 4 6		0-0.2': Woodchips over plastic. 0.2-0.6': TILL, sandy, moderate brown.		8 ppm	0.0
2.0							0.6-1.7': TILL; some gravel; dark yellowish brown.			2.0
4.0		34	4-6	24/24	7 7 8 14		Sand, F, and silt; weathered schist cobbles; some gravel; moderate olive brown (5Y 4/4). (Till).		15 ppm	4.0
6.0										6.0
8.0		35	9-11	24/24	6 7		Sand, F, and silt; some gravel; light olive gray (5Y 5/2), damp.		120 ppm	8.0
10.0					10 10		(Till).			10.0
12.0							12-14': BOULDER.			12.0
14.0		36	14-16	24/18	15 15 15 12		Sand, F, and silt; weathered schist cobbles; light olive gray (5Y 5/2). (Till). Slight odor.		420 ppm	14.0
16.0										16.0
18.0		37	19-21	24/6	6 15		Same as above. Slight odor. Cobble in end of spoon.		430 ppm	18.0
20.0					15 19					20.0
22.0										22.0
24.0		38	24-26	24/12	7 10 14 R		Same as above. Stronger odor.		540 ppm	24.0
26.0										26.0
28.0		39	29-31	24/24	6 8		Sand, F, and silt; pegmatite fragments; olive gray (5Y 3/2). (Till,		760 ppm	28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

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REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-6T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 329

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-6T
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/20/91 DATE FINISHED 11/21/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0					12 18		darker). Odor.			30.0
32.0										32.0
34.0		41	34-36	24/24	4 6 6 12		Sand, F, and silt; some gravel; olive gray (5Y 3/2). (Till). Very sloppy. Odor.		680 ppm	34.0
36.0										36.0
38.0		42	39-40	8/6	12 R		TILL; weathered schist fragments; olive gray (5Y 3/2).		680 ppm	38.0
40.0							End of Boring at 39.5 ft. Auger refusal at 40 ft.			40

PROPORTIONS USED	BORING METHOD	DEPTH
TRACE 0 TO 10%		
LITTLE 10 TO 20%		
SOME 20 TO 35%		
AND 35 TO 50%		
perfill\wellog04		

REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-6T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
127

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **OW-6T**

Date of Completion: **11/21/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist: **Paul LaRock**

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes **X** No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **3.5 - 39.5 ft.** :

Length of Screen: **36 ft.**

Length of Riser Pipe: **5.5 ft.**

Screen Type: **10 Slot Schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No **X**

Screen Packing: Yes **X** No:

If Yes, Thickness: **39.5 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
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MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002 629

FUSS & O'NEILL, INC. CONSULTING ENGINEERS MANCHESTER, CT 06040	PROJECT/LOCATION LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT	BORING NO. OW-7T SHEET 1 OF 2 JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/19/91 DATE FINISHED 11/20/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN / REC.	BLOWS/ 6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
0.0		21	0-2	24/14	2 3 3 4		0-0.5': SAND, F, dusky brown. Root material. 0.5-1.2': Sand, F, and silt; some gravel; light olive gray, dry.		0 ppm	0.0
2.0							(Till).			2.0
4.0		22	4-5.5	18/16	4 6 8 R		Sand, F, and silt; some gravel; light olive gray, dry. (Till). 5.5': BOULDER. Auger refusal. Offset 2 feet toward factory.		1 ppm	4.0
6.0										6.0
8.0		23	9-11	24/14	10 10		SAND, F, silty; gravel and cobbles; weathered schist; light olive		0.5 ppm	8.0
10.0					12 14		gray, damp. (Till).			10.0
12.0										12.0
14.0		24	14-16	24/20	8 5 20 24		Sand, F, and silt; some gravel; pegmatite fragments; light olive gray, wet.		73 ppm	14.0
16.0							16.5': BOULDER. Offset 4 feet away from driveway.			16.0
18.0		25	19-21	24/24	4 8		TILL; weathered schist fragments; grayish olive.		101 ppm	18.0
20.0					8 10					20.0
22.0										22.0
24.0		26	24-26	24/8	4 6 8 11		Same as above.		109 ppm	24.0
26.0										26.0
28.0		27	29-31	8/6	10		Sand, F, silty, olive gray. (Till, darker). Pegmatite fragments at		133 ppm	28.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:

FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-7T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0030

FUSS & O'NEILL, INC.
CONSULTING ENGINEERS
MANCHESTER, CT 06040

PROJECT/LOCATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT

BORING NO. OW-7T
SHEET 2 OF 2
JOB. NO. 86-88

DRILLING CO. Geologic / Sima Drilling
DRILLER Robert Sima
FUSS & O'NEILL REPRESENTATIVE Paul LaRock

BORING LOCATION Zone 1
GROUND ELEVATION
DATE STARTED 11/19/91 DATE FINISHED 11/20/91

DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD Split Spoon
HAMMER WT. 140 lbs HAMMER FALL (IN) 30

WATER LEVEL MEASUREMENTS

DATE	MS. PT.	WATER AT	HR AFTER COMPLETION

DEPTH (FT.)	CASING Blows/ft	SAMPLE NO.	SAMPLE DEPTH (ft)	PEN./REC.	BLOWS/6"	SOIL DENSITY	SAMPLE DESCRIPTION	USCS	FIELD TESTING	DEPTH (FT.)
30.0					60 (2")		bottom of spoon. 29.5': Refusal. Offset 6 feet toward factory.			30.0
32.0										32.0
34.0		31	34-36	24/24	4 4 12 9		Sand, F, and silt; some gravel; light olive gray, dry. (Till). 5.5': BOULDER. Auger refusal. Offset 2 feet toward factory.		210 ppm	34.0
36.0										36.0
38.0		32	39-40.5	18/9	6 15		Same as above, schist fragments.		280 ppm	38.0
40.0					50 R		End of Boring at 40.5 ft.			40.
42.0										42.0

PROPORTIONS USED		BORING METHOD	DEPTH
TRACE	0 TO 10%		
LITTLE	10 TO 20%		
SOME	20 TO 35%		
AND	35 TO 50%		

perfill\wellog04

REMARKS:
FIELD INSTRUMENT= Foxboro OVA Model 128
Flame ionization detector

NOTE: Geologic Log Based on Procedures Described in ASTM Standard D 2488.

BORING NO. OW-7T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

MONITOR WELL COMPLETION REPORT

GENERAL INFORMATION

Town: **Woodstock, Ct**

Site: **Linemaster Switch Corp.**

Monitoring Point I.D. No.: **OW-7T**

Date of Completion: **11/20/91**

DEP/WPC I.D.:

Monitoring Point Location: **Zone 1**
(relative to site features)

Drilling Contractor: **Geologic / Sima Drilling**

Supervising Engineer/Geologist:
Paul LaRock

Well Construction Method: **Hollow Stem Auger**

WELL INFORMATION (ELEVATIONS TO NEAREST 0.1 FEET)

Ground Surface Elevation (MSL):

Well Depth Below Ground Surface:

Top of Steel Casing Elevation (MSL):

Refusal: Yes X No:

Top of PVC Casing Elevation (MSL):

Screened Interval: **0.5 - 40.5 ft.** :

Length of Screen: **40 ft.**

Length of Riser Pipe: **4 ft.**

Screen Type: **10 Slot schedule 40 PVC**

Screen Slot Size: **0.010"**

Filter Fabric: Yes No X

Screen Packing: Yes X No:

If Yes, Thickness: **40 ft.**

Well Inside Diameter: **4"**

Material: **#00 Morie Sand**

Grain Size: **Fine**

Impermeable Backfill:
N/A

Well Casing Material and Schedule:
PVC Schedule 40

Estimated K Screened Interval: **N/A**

Method of Well Development:
N/A

Time Spent Developing: **N/A**

Locking or Threaded Cap

Impermeable Backfill:
N/A

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

MONITOR WELL COMPLETION REPORT (Continued)

BEDROCK WELLS

Casing Length: **N/A**

Water-Bearing Rock Unit: **N/A**

Water-Bearing Sections (Depths and Approximate Yields): **N/A**

Length of Rock Cores: **N/A**

Diameter of Core Hole: **N/A**

Thickness and Depth of Impermeable Backfill: **N/A**

O-ring Seals: Yes: No:

GEOLOGIC INFORMATION

Aquifer: **Overburden**

Inferred Relationship to Plume; Within **X** Outside Edge

Watershed (Plume Discharge Watercourse): **Mill Brook**

Aquifer Materials (Attach Boring Log): **Till**

Attach Maps and Plans Required of G.l.j. and G.4.

LIN002
3 3 3

APPENDIX E
GROUND-WATER FIELD DATA SHEETS

REMEDIAL INVESTIGATION REPORT
LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT
AUGUST 1992

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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FUSS & 'NEILL, INC.

F I E L D . . T A S H E E T

GW-08 MW2
GW-09 MW6
GW-21 MW5
GW-27
GW-35

Taken by E.L.A.

SAMPLED BY: Rick Christiana
DATE: Tuesday 10.20.87

JOB NO.: 86-88
JOB NAME: Linemaster Corp.
C.O.C. 000481

SAMPLE DESIGNATION	* 1 MW2	2 MW3	* 3 MW6	Blrx 9 MW-9	Blrx 7 MW-7	Blrx 8 * MW-8	Blrx 4 MW-5	6 MW-1	5 MW-4		
TIME	1053	1115	1135	1552	1450	1520	1155	1405	1230		
WELL DEPTH	T.O.C. 31.50	T.O.C. 21.85	T.O.C. 21.89	T.O.C. 17.45	T.O.C. 29.87	T.O.C. 31.75	T.O.C. 39.51	T.O.C. 46.95	T.O.C. 37.60		
DEPTH TO WATER	T.O.C. 11.85	T.O.C. 16.88	T.O.C. 14.25	T.O.C. 8.30	T.O.C. 25.27	T.O.C. 25.81	T.O.C. 31.70	T.O.C. 19.95	T.O.C. 12.04		
WELL YIELD (HIGH/LOW)	L	L	L	H	H	H	L	L	L		
PURGE/VOL.	B-5g	B-1g	B-3g	B-5g	B-3g	B-3g	B-2g	B-5g	B-5g		
TIME WELL PURGED	1110	1130	1150	1610	1510	1645	1215	1430	1244		
TEMPERATURE (°C)	—	—	—	—	—	—	—	—	—		
S. C. (umhos/cm)	—	—	—	—	—	—	—	—	—		
pH (S.U.)	—	—	—	—	—	—	—	—	—		
D.O. (ppm)	—	—	—	—	—	—	—	—	—		
APPEARANCE	Clear No Odor	Silty Br. No Odor	Silty Br. No Odor	Cldy Br No Odor	Cldy Br. No Odor	Cldy Br. No Odor	Silty Br. No Odor	Silty Br No Odor	Silty Br. No Odor		
WEATHER AND REMARKS	Sampled @ 1255 Bailed Dry	Sampled @ 1620 Bailed Dry	Sampled @ 1340 Bailed Dry				Sampled @ 1325 Bailed Dry	Bailed Dry	Sampled @ 1630 Bailed Dry		
CONTAINERS/LOCATION	2 EPA — 8010 —	—	—	—			—	—	—	→ →	

1125BGEO.1

P. Cldy, Warm, 60's

* Split with EPA rep. from CDM - Bob Kane

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 SEE

Date: 2/19/88

Sampler: T. O'Connor

Weather: Cloudy, 30's F

FUSS & O'NEILL, INC.
FIELD DATA SHEET

Project No.: 86-88

Location: LINEMASTER
WOODSTOCK CT

Sample Identification	MW-1	MW-4	MW-8	MW-7
Drilled Well Depth, feet	~~65'~~ 44'	~~38'~~ 36'	29'	28'
Measured Well Depth, feet	46' 7 5/8"	36' 6 1/2"	31' 5 5/8"	29' 7"
Depth to Water, feet	13' 11 1/4"	8' 3 1/4"	11' 1 5/8"	12' 3 1/2"
Time of Measurement	12:12 PM	1:03	1:40 PM	2:08
Water Level Device (Electric, Tape)	TAPE	TAPE	TAPE	TAPE
Correction Factor	4"	4"	4"	4"
Measuring Point (Top of Steel, PVC)	PVC	PVC	PVC	PVC
Calculated volume of water evacuated (gals)	17 gal.	15 gal	10 1/2 gal.	9 gal
Method & Rate of evacuation (Pump, Bailer) (Non)Dedicated	Bailer Dedicated	Bailer Dedicated	Bailer Dedicated	Bailer Dedicated
Type of Bailer Cord (Non)Dedicated	Dedicated	Dedicated	Dedicated	Dedicated
Well purge time, min. Start, End	35 min 12:15 12:50	31 min. 1:05 1:36 PM	21 min. 1:41 2:02	33 min. 2:10 2:43
Volume Evacuated, gals. Well Yield, high or low	8 1/2 gal (Dry) low	6 1/2 gal dry after (6 1/2 gal) low	10 1/2 gal HIGH	9 gal HIGH

Laboratory used for analyses:

BFN.WFLDTA1

Sample Identification	MW-1	MW-4	MW-8	MW-7
Temperature, C	Thermometer Not Available	→	→	→
Specific Conductance, umhos/cm	Not Available	→	→	→
pH, s.u.	Broken	→	→	→
D.O. or Eh	NA	→	→	→
Time of sample	12:51 PM	1:37 PM	2:05 PM	2:48 PM
Sample containers, perservatives & testing parameters.	2 EPA vials. 8010 lab procedure	→	→	→
Filtered in field	N/A	→	→	→
Filtration Method (Pressure or Vacuum)	NA	→	→	→
Field Decontamination Bailer, Filter, Pump tubing	NA	→	→	→
Appearance	silty w. bitish	clear no odor	clear no odor	clear
Comments				strong odor upon lift, well purge

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E E 3 6

order: 1,4,8,7,9,6 2,3,5

Date: 2, 188

Sampler: T. O'Connor

Weather: Cloudy, 30°F

FUSS & O'[illegible], INC.
FIELD DATA SHEET

Project No.: 86-88

Location: LINEMASTER
WOODSTOCK, CT.

Sample Identification	MW-9	MW-6			Sample Identification	MW-9	MW-6	
Drilled Well Depth, feet	17'	~~28'~~ 20'			Temperature, C	Thermometer Not Available		
Measured Well Depth, feet	17'3½"	21'7½"						
Depth to Water, feet	7'3"	3'6¼"			Specific Conductance, umhos/cm	Not Available		
Time of Measurement	3:40	4:15						
Water Level Device (Electric, Tape)	TAPE	TAPE			pH, s.u.	probe Broken		
					D.O. or Eh	Not Applicable		
Correction Factor	4"	4"			Time of sample	4:06	5:02	
Measuring Point (Top of Steel, PVC)	PVC	PVC			Sample containers, perservatives & testing parameters.	2 EPA vials 40ml. 8010 scan		
Calculated volume of water evacuated (gals)	5 gal.	9½ gal.						
Method & Rate of evacuation (Pump, Bailer) (Non)Dedicated	Bailer Dedicated	Bailer Dedicated			Filtered in field	NA	→	
Type of Bailer Cord (Non)Dedicated	Dedicated	Dedicated			Filtration Method (Pressure or Vacuum)	NA	→	
Well purge time, min. Start, End	19 min 3:40 3:59	42 min 4:17 4:59			Field Decontamination Bailer, Filter, Pump tubing	NA	→	
Volume Evacuated, gals. Well Yield, high or low	5 gal. High	9½ gal low.			Appearance	clear no odor		
					Comments			

Laboratory used for analyses:

DFW.WFLDTA1

LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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LINOOZ LEE

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: 3139007 23-05	MW-1b

Elevation Data

Date: 7/23/90 Time: 12:27 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	19.50	x - 0.98	= 18.52
Bottom of Well	47.01	+ —	= 47.01

Water Column Height: 28.5 (feet)
gal/foot x 3 factor: x DK 1/2
Volume to be Purged: 14 1/4 (gal)

Measuring Point: TPS / PVC Sampler: JLR
Measuring Device ID#: Chalked steel tape Weather: p.cloudy 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 13:05
Stop Time: 13:30
Total Time Purged: 25 mins
Pump Rate: — (lpm / gpm)
Volume Purged: 7.5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladd
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/23/90 Time: 13:40 Sampler: JLR
Approx. sample depth: 47 (ft) Weather: p.cloudy, 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: silty, cloudy grey brown, no odor

Container	Quantity	Preservative
40 ml V	3	I/HCl
1 l P	1	I/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 5 — Instrument ID# 6

gallons purged		pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3	~~Well Volume 1~~	8.50	9.8	(10.2)	1.41	x	1.04	x	200	=	293
6	~~Well Volume 2~~	8.49	10.0	(10.2)	1.41	x	1.04	x	180	=	264
7	~~Well Volume 3~~	8.63	10.3	(10.6)	1.39	x	1.04	x	180	=	260
	Final	8.18	11.3	(11.5)	1.35	x	1.04	x	220	=	297

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0338

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-89
Project Location: Woodstock, CT
Well ID: MW-11
Sample #: 31390 [illegible] 06

Elevation Data

Date: 12/5/90 Time: 1325
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	14.30'	+ 1.41'	= 12.89'
Bottom of Well	46.93'	+ 0.47	= 46.90

Water Column Height: 34 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 17 (gal)

Measuring Point: TPS / PVC
Sampler: [illegible]
Measuring Device ID#: Chalked tape
Weather: [illegible] 40s
Comments: 0 ppm [illegible]

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC? Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 1440
Stop Time: 1450
Total Time Purged: 10 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 6 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/4/90 Time: 1500 Sampler: MSB
Approx. sample depth: _____ (ft) Weather: cloudy, rain, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: 5
Instrument ID#: 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
9.07	9.1	(9.1) 1.45	x	1.04	x	195	=	294

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revised 05/01/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5EE 9

Replicate Field Data Sheet

FUSS&O'NEILL
Environmenta'
Field Servic(

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390 1204-06	MW-1T

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4 gal	9.53	9.8	(9.8)	1.41	x	1.04	x	191	=	280
5 gal	9.20	9.3	(9.3)	1.43	x	1.04	x	195	=	290
6 gal	9.07	9.1	(9.1)	1.45	x	1.04	x	195	=	294
DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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			( )		x		x		=	
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			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 340

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-13b
Sample #: 3139/0613-17

Elevation Data

Date: 6/10/91 Time: 1457

	Depth (feet)	+ Correction	= True Depth
Water Level	43.50'	- 1.30'	= 42.20'
Bottom of Well	90.78'	+ 0.45'	= 91.23'

Well Diameter (inches): 2"
Water Column Height: 49 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 24.5 (gal)

Measuring Point: TPS / PVC
Sampler: MOR, RRK
Measuring Device ID#: Chalk + S.S. Tape
Weather: Sunny, 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 0958
Stop Time: 1052
Total Time Purged: 57 min
~~Pump Rate:~~ _____ (lpm / gpm)
Volume Purged: 10 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Dry at 10.9 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/13/91 Time: 11:25 Sampler: RFK
Approx. sample depth: 90 (ft) Weather: Sunny, 70s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy gray

Container	Quantity	Preservative
Voa vial	✓ 2	HCl
Plastic-l	✓ 1	HNO_3
Plastic-l	✓ 1	F/HNO_3
Plastic-l	✓ 1	as is
Amber-l	✓ 1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	7.65	10.3	(10.3)	1.40	x	1.03	x	193	=	278
	7.73	10.6	10.5	1.39		1.03		188		269
10 gal	8.15	10.4	10.4	1.39		1.03		182		261
	8.25	10.6	10.5	1.39		1.03		180		258

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LINEMASTER SWITCH
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LIN002 E 4 1

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmer
Field Servic

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Sample #: 313920108-32
Project #: 86-88/21
Well ID: MW-1sb

Elevation Data

Date: 1/2/92 Time: 10:44 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	40.01'	+ 0.41'	= 40.42'
Bottom of Well	90.81'	+ 0.41'	= 91.22'

Water Column Height: 51 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 25.5 (gal)

Measuring Point: TPS / PVC Sampler: MJB, MRL
Measuring Device ID#: Tape Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1310
Stop Time: 1345
Total Time Purged: 35 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 9.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/8/92 Time: 1405 Sampler: MJB
Approx. sample depth: 85 (ft) Weather: sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 3
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, lt. gray, silty, ~~no odor~~ sulphur odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	As Is
Amber-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		( ) x x =	

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ADMINISTRATIVE RECORD

LIN002 343

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88|21
Project Location: Woodstock, CT
Well ID
MW-15b
Sample #: 313920108-32

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1
Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5 gal	8.86	8.7	(8.7)	1.46	x	1.64	x	189	=	287
9 gal-dry	8.81	8.6	(8.6)	1.47	x	1.04	x	182	=	278
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0023443

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster Switch
Project Location: Woodstock CT
Sample #: 3439106 20-01
Project #: 66-88(21)
Well ID: MW-1db

Elevation Data

105' to 135'

Date: 6/20/91 Time: 10:54

	Depth (feet)	+ Correction	= True Depth
Water Level	47.71	+ —	= 47.71
Bottom of Well	NA	+	=

Well Diameter (inches): 6
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Sampler: CF
Weather: Clear 80s
Comments: Packer Test.

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1:00
Stop Time: 1:30
Total Time Purged: 30
Pump Rate: _____ (lpm / gpm)
Volume Purged: 6/9 _____ (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/20/91 Time: _____ Sampler: CF
Approx. sample depth: _____ (ft) Weather: _____
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	4	HCl
P	1	H/NF
P	1	N/I
P	1	No Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 See Replicate F.D.S. Instrument ID# 6

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002344

Field Parameter Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-1db
Sample #: 343910620-01

FUSS&O'NEILL
Environmental
Field Services

Field Parameters 105' to 85'

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10 gal	7.52	16.5	( ) 1.01	x	1.19	x	197	=	237
16 gal	7.53	15.3	( ) 1.01	x	1.22	x	171	=	211
24 gal	7.81	14.8	( ) 1.01	x	1.26	x	155	=	197
35 gal	7.72	12.9	( ) 1.01	x	1.30	x	165	=	217
42 gal	7.97	12.5	( ) 1.01	x	1.32	x	172	=	229
50 gal	7.95	11.2	( ) 1.01	x	1.37	x	160	=	221
53 gal	7.97	11.2	( ) 1.01	x	1.37	x	160	=	221
55 gal	8.00	11.0	( ) 1.01	x	1.37	x	157	=	217
60 gal	7.97	11.2	( ) 1.01	x	1.37	x	160	=	221
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 345

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88 (21)
Project Location: Woodstock CT	Well ID
Sample #: 343910620-04	MW-1db

Elevation Data 130' to 160'

Date: 6/20/91	Time: 10:54		
	Depth (feet)	+ Correction	= True Depth
Water Level	47.71	+ —	= 47.71
Bottom of Well	NA	+	= →

Well Diameter (inches): 6"

Water Column Height: _____ (feet)

gal/foot x 3 factor: x _____

Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC

Measuring Device ID#: 1000' Flat tape

Comments: Packer Test

Sampler: JF

Weather: clear 80s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Well # Visible?: Y / N

Well Cap: Good / Broken / None

Evidence of rain water between steel and PVC?: Y / N

Evidence of ponding around well?: Y / N

Gopher type holes around collar?: Y / N

Comments:

Is well plumb? Y / N

Lock: Good / Broken / None

Rust around Cap: Y / N

PVC Riser: Good / Damaged / None

Concrete collar: OK / Cracked / Leaking / None

Other Evidence of: Rodents / Insects / None

Curb Box: N / Y (key is: Hex / Pent / Other)

Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 2:00

Stop Time: 2:30

Total Time Purged: 30

Pump Rate: _____ (lpm / gpm)

Volume Purged: 4/9 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladder

Comments: Swab

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/20/91 Time: _____ Sampler: JF

Approx. sample depth: _____ (ft) Weather: _____

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____

Bailer cord: Dedicated / Nondedicated

Filtered in Field?: No / @Well / @Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # 2 Filter ID # 1

Field Decon: Bailer / Filter / Tubing / Other _____

Appearance:

Container	Quantity	Preservative
V	4	HCl
P	2	F/NA
P	2	N/F
P	2.	As Ac.

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

See Replicate Data Sheet

Instrument ID# 6			Instrument ID# 6
pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E46

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 343910620-04
Well ID
MW-1d6

Field Parameters

130'-160'

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
30 gal	8.06	14.5	( ) 1.01	x	1.26	x	180	=	229
31 gal	8.06	11.9	( ) 1.01	x	1.33	x	170	=	228
32 gal	8.01	11.2	( ) 1.01	x	1.32	x	165	=	228
33 gal	7.92	11.7	( ) 1.01	x	1.35	x	160	=	218
34 gal	7.97	11.8	( ) 1.01	x	1.33	x	160	=	215
35 gal	7.98	12.0	( ) 1.01	x	1.33	x	160	=	215
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002347

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88 (01)
Project Location: Woodstock CT
Well ID: MW-16b
Sample #: 343910621-05

Elevation Data

210 - 240

Date: 6/20/91 Time: 10:54

	Depth (feet)	+ Correction	= True Depth
Water Level	47.71	+ —	= 47.71
Bottom of Well	NA	+	=

Well Diameter (inches): 6
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: (TPS) / PVC
Measuring Device ID#: 1000' Tape
Sampler: JT
Weather: Clear 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: Y / (N)
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: (Rodents) / Insects / None
Gopher type holes around collar?: Y / (N)
Curb Box: (N) / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 2:30
Stop Time: 3:00
Total Time Purged: 30 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 4/4 _____ (gallons)
Purge device: Dedicated / (Nondedicated)
Device type: Bailer / Peristaltic / Submersible / Bladde
Comments: Swab.
Well Yield: High / (Moderate) / Low / Dry

Sample Data

Date: 6/20/91 Time: _____ Sampler: JT
Approx. sample depth: _____ (ft) Weather: _____
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field?: No / (@Well) / @Vehicle
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	4	HCl/I
P	1	F/NF
P	1	N/I
P	1	I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

See Replicate Sheet

Instrument ID# 6 Instrument ID# 6

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LIN002 848

Field Parameter Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock CT
Well ID: MW-106
Sample #: 3439/10621 - 05

FUSS&O'NEILL Environmental Field Services

Field Parameters 210-240

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 (pH) — Instrument ID# 6 (Spec. Cond.)

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
35 gal	7.84	12.8	( ) 1.01	x	1.30	x	170	=	223
35 gal	796	11.0	( ) 1.01	x	1.32	x	160	=	221
37 gal	8.04	11.5	( ) 1.01	x	1.35	x	158	=	215
38 gal	8.05	10.8	( ) 1.01	x	137	x	160	=	221
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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			( )	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0023 49

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster Switch
Project #: 66-88(21)
Project Location: Woodstock CT
Well ID: MW-1db
Sample #: 3439106 21 - 06

Elevation Data

240' + 200'

Date: 6/20/91 Time: 10:54
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	47.71	+ –	= 47.71
Bottom of Well	NA	+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Sampler: DF
Measuring Device ID#: 1000' Flat Tape
Weather: Clear 80s
Comments: Packer Tests

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 3:30
Stop Time: 4:00
Total Time Purged: 30
Pump Rate: _____ (lpm / gpm)
Volume Purged: 49 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Scrb
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/20/91 Time: _____ Sampler: DF
Approx. sample depth: _____ (ft) Weather: _____
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	4	HCl/I
P	1	F/N/I
P	1	N/I
P	1	Ao Q

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 See Replicate Sheet. Instrument ID# 5

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0550

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 3409106211-06
Well ID: MW-1db

Field Parameters 240-270

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
25 gal	8.11	12.5	( ) 1.01	x	133	x	168	=	226
26 gal	8.04	11.3	( ) 1.01	x	1.35	x	160	=	218
28 gal	8.03	10.7	( ) 1.01	x	1.37	x	160	=	221
30 gal	8.08	10.6	( ) 1.01	x	1.39	x	160	=	225
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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			( )	x		x		=	
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			( )	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002351

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environment Field Servic

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID [redacted]
Sample #: [redacted]
105-135' zone

Elevation Data

Date: 12/16/91 [redacted] Time: [redacted]
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	39.76'	+ 0.46'	[redacted]
Bottom of Well	not measured	+	

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: [redacted] (PS) / PVC [redacted] Sampler: [redacted]
Measuring Device ID#: [redacted] Weather: [redacted]
Comments: [redacted]

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 11:03
Purge device: Dedicated / Nondedicated
Stop Time: 11:35
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 32 min
Comments: [redacted]
Pump Rate: _____ (lpm / gpm)
Volume Purged: ~60 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/16/91 Time: 12:20 Sampler: [redacted]
Approx. sample depth: 105' (ft) Weather: [redacted]
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # [redacted] Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted] Instrument ID# [redacted]

pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
[redacted]	See field parameter sheet			x	=	[redacted]

Value at end of hose, controlled flow rate

checked water level inside pipe after sampling -44.31'

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E552

Field Parameter Data Sheet

FUSS & O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: 105-135'
Sample #: 313911217-01
R.B 1/16/92

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: [redacted]
Instrument ID#: [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	6.25	[redacted]	(7.5)	1.52	x	1.04	x	145	=	229
40 gal	8.28	[redacted]	(8.5)	1.47	x	1.04	x	148	=	[redacted]
50 gal	[redacted]	[redacted]	(9.0)	1.45	x	1.04	x	140	=	[redacted]
55 gal	[redacted]	[redacted]	(9.0)	1.45	x	1.04	x	140	=	[redacted]
56 gal	[redacted]	[redacted]	(8.7)	1.46	x	1.04	x	140	=	[redacted]
57 gal	[redacted]	[redacted]	(8.7)	1.46	x	1.04	x	140	=	[redacted]
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E53

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmen' Field Servic

Client/Project Name: Linemaster
Project #: 86-88/a1
Project Location: Woodstock, CT
Well ID
Sample #: [redacted]
130-160'

Elevation Data

Date: 12/16/91 Time: 9:50 [redacted]
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	39.76'	+ 0.46'	= 40.22'
Bottom of Well	not measured	+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Sampler: MJR
Measuring Device ID#: Tape
Weather: [redacted]
Comments: [redacted]

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 1338
Purge device: Dedicated / Nondedicated
Stop Time: 1345
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 7 min
Comments: Packer / Submersible
Pump Rate: _____ (lpm / gpm)
0 ppm at line purging
Volume Purged: ~25 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/17/91 Time: 1415 Sampler: MJR
Approx. sample depth: 150 (ft) Weather: cloudy, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: cloudy, lt. brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-2	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
see field parameter sheet			x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 454

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: 130-160'
Sample #: [redacted]

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted]
Instrument ID# [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.43	[redacted]	(9.1)	1.45	x	1.04	x	138	=	208
dry 24 gal	8.28	[redacted]	(8.6)	1.47	x	1.04	x	140	=	[redacted]
25 gal	8.50	[redacted]	(8.5)	1.47	x	1.04	x	140	=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 [redacted] 555

Monitoring Well Field Data Sheet

FUSS&O'NEIL Environment Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: [illegible]
Sample #: [illegible]
210-240'

Elevation Data

Date: 12/17/91 Time: 11:35
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	39.76'	+ 0.46'	[illegible]
Bottom of Well	not measured	+	

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: [illegible]
Weather: [illegible]
Comments: [illegible]

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 1520
Stop Time: 1540
Total Time Purged: 20 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 56 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / Submersible
0 gpm while purged
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/17/91 Time: 1545 Sampler: MJB
Approx. sample depth: 50 (ft) Weather: cloudy, 20s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: cloudy, m. brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: _____ Instrument ID#: _____

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond
see field	parameter	(sheet)	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 359

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Lunemaster
Project #:
Project Location: Woodstock, CT
Well ID
Sample# [redacted]
210-2401

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted]
Instrument ID# [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	[redacted]	[redacted]	(8.4)	1.47	x	1.04	x	128	=	[redacted]
40 gal	[redacted]	[redacted]	(8.9)	1.45	x	1.04	x	140	=	[redacted]
50 gal	[redacted]	[redacted]	(8.8)	1.46	x	1.04	x	141	=	[redacted]
52 gal	[redacted]	[redacted]	(8.9)	1.45	x	1.04	x	142	=	[redacted]
54 gal	[redacted]	[redacted]	(9.0)	1.45	x	1.04	x	142	=	[redacted]
56 gal	[redacted]	[redacted]	(8.9)	1.45	x	1.04	x	143	=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0357

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environment Field Servic

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: [redacted]
Sample #: [redacted]

240-270'

Elevation Data

Date: 12/16/91 [redacted] Time: [redacted]
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	39.76'	+ 0.46'	[redacted]
Bottom of Well	not measured	+	[redacted]

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC [redacted] Sampler: [redacted]
Measuring Device ID#: [redacted] Weather: [redacted]
Comments: [redacted]

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / ~~Replace / Other~~ ____

Purge Data

Start Time: 1617
Stop Time: 1625
Total Time Purged: 18 min
Pump Rate: ____ (lpm / gpm)
Volume Purged: ~56 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Peristaltic / Submersible
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/17/91 Time: 1650 Sampler: [illegible]
Approx. sample depth: 30 (ft) Weather: [illegible]
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other ____
Appearance: Cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
see field parameter sheet		( )	x	x	=	

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LIN002 358

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Project #: 86-88/21
Sample #: [redacted]
Well ID: [redacted]
240-270'

FUSS&O'NEILL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	5									Instrument ID# 5
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.45	8.5	(8.5)	1.47	x	1.04	x	133	=	203
40 gal	8.32	8.7	(8.7)	1.46	x	1.04	x	141	=	214
50 gal	8.31	9.0	(9.0)	1.45	x	1.04	x	141	=	212
52 gal	8.33	9.2	(9.2)	1.44	x	1.04	x	141	=	[illegible]
54 gal	8.33	9.4	(9.4)	1.43	x	1.04	x	142	=	[illegible]
56 gal	8.29	9.1	(9.1)	1.45	x	1.04	x	142	=	217
			( )		x		x		=	
			( )		x		x		=	
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LIN002 359

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW 2T
Sample #: 3 13 905 7 23-04

Elevation Data

Date: 7/23/90 Time: 12:17
Well Diameter (inches): 2

	Depth (feet)	+ Correction	= True Depth
Water Level	14.60	+ -1.43	= 13.17
Bottom of Well	39.60	+ —	= 39.60

Water Column Height: 26 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 18 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalk & tape
Weather: Sp. cloudy, 80°
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 12:57
Purge device: Dedicated / Nondedicated
Stop Time: 13:15
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 18 min
Comments:
Pump Rate: _____ (lpm / gpm)
Volume Purged: 5 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/23/90 Time: 1320 Sampler: MJB
Approx. sample depth: 39 (ft) Weather: Same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: ~~Dedicated~~ / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other Tape
Appearance: cloudy, brown, white floc material

Container	Quantity	Preservative
VOA vial	3	H/I
plastic-1	1	HNO_3/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 2 — Instrument ID# 3

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	13.57	11.5	(11.6) 1.35	x	1.01	x	450	=	614
Well Volume 2	14.37	11.0	(12.5) 1.32	x	1.01	x	500	=	667
Well Volume 3	13.96	11.5	(11.8) 1.33	x	1.01	x	455	=	611
Final	13.33	12.5	(13.1) 1.30	x	1.01	x	460	=	604

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LIN002 3 9 8

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW 2L
Sample #: 3139012D4-04 ex

Elevation Data

Date: 12/3/90 Time: 1556
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	11.80'	+ 2.10'	= 9.70'
Bottom of Well	39.15'	+ 0.47	= 39.62'

Water Column Height: 30 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 15 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalk/Tape
Weather: Cloudy, cold
Comments: Orange

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1345
Purge device: Dedicated / Nondedicated
Stop Time: 1400
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 15 min
Comments:
Pump Rate: — (lpm / gpm)
Volume Purged: 6 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/4/90 Time: 1410 Sampler: MJB
Approx. sample depth: (ft) Weather: cloudy, rain 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, white material on surface, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-L	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
11.83	9.6	(9.6) 1.43	x	1.04	x	475	=	706

Instrument ID#: 5

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LIN002 E51

Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Servic[e]

Client/Project Name: Linemaster	Project #: 86-89
Project Location: Woodstock, CT	Well ID
Sample #: 31390R04-04	MW 2T

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 (pH, Temp) | Instrument ID# 5 (Spec. Cond.)

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4 gal	11.79	10.2	(10.2)	1.41	x	1.04	x	490	=	718
5 gal	11.85	9.6	(9.6)	1.43	x	1.04	x	492	=	732
5.5 gal	11.83	9.6	(9.6)	1.43	x	1.04	x	475	=	706
	DRY		( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 362

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-3t
Sample #: 3139000223-01

Elevation Data

Date: 7/23/90 Time: 10:18

	Depth (feet)	+ Correction	= True Depth
Water Level	14.50	x -2.51	= 11.99
Bottom of Well	22.82	+ —	= 22.82

Well Diameter (inches): 2"
Water Column Height: 11 (feet)
gal/foot x 3 factor: x 1½
Volume to be Purged: 5½ (gal)

Measuring Point: TPS / PVC
Sampler: MB
Measuring Device ID#: Chalked steel tape
Weather: cloudy 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 11:00
Purge device: Dedicated / Nondedicated
Stop Time: 11:23
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 23 mins
Comments:
Pump Rate: — (lpm / gpm)
Volume Purged: 2.5 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/23/90 Time: 11:27 Sampler: JLR
Approx. sample depth: 22 (ft) Weather: p. cloudy, 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: silty, cloudy brown, no odor

Container	Quantity	Preservative
40ml V	3	I / HCl
1l P	1	I / HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID#	5									Instrument ID#	6
gallons	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
~~Well Volume~~ 1	8.49	10.5	(12.0)	1.33	x	1.04	x	105	=		145
~~Well Volume~~ 2	7.45	10.5	(12.0)	1.33	x	1.04	x	110	=		152
~~Well Volume~~ 3	7.09	10.5	( ) *		x	*	x	*	=		*
Final	7.25	10.7	(10.7)	1.39	x	1.04	x	120	=		173

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* not enough H_2O for SC probe for 3rd measurement 'cause well went dry

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LIN002 E 9 5 3

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster
Project #: RG-88
Project Location: Woodstock, CT
Well ID: MW-3
Sample #: 31390204-01

Elevation Data

Date: 12/3/90 Time: 1314
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	9.10'	+ 1.38'	= 7.72'
Bottom of Well	22.39'	+ 0.52'	= 22.91'

Water Column Height: 15 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 7.5 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: Cloudy, 40s
Comments: Hvy - 0 ppm

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:30
Purge device: Dedicated / Nondedicated
Stop Time: 11:34
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 4 min.
Comments:
Pump Rate: — (lpm / gpm)
Volume Purged: 3 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/4/90 Time: 11:45 Sampler: MJB
Approx. sample depth: 20 (ft) Weather: rain 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered In Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, silty, no odor

Container	Quantity	Preservative
Voa vials	3	HCl
Plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.64	11.0	(11.0) 1.37	x	1.04	x	122	=	174

Instrument ID# 5

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LIN002 3 5 4

Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313901204-01	MW-31

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 (pH / Temp) — Instrument ID# 5 (Spec. Cond.)

	pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
1 gal	10.97	11.5	(11.5) 1.35	x	1.04	x	165	=	232
2 gal	9.78	11.0	(11.0) 1.37	x	1.04	x	125	=	178
3 gal	8.64	11.0	(11.0) 1.37	x	1.04	x	122	=	174
dry			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0023665

Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: 3739204-24-02	MW-3

Elevation Data

Date: Time:

Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	4.29	+ .46	= 4.75
Bottom of Well	22.47	+ .46	= 22.93

Water Column Height: 18.18 (feet)
gal/foot x 3 factor: x 5
Volume to be Purged: 9.09 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: PDL
Weather: Cldy 50
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / ~~Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:04
Stop Time: 11:10
Total Time Purged: 6
Pump Rate: (lpm / gpm)
Volume Purged: 45 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladd
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/24/92 Time: 12:06 Sampler: PDL
Approx. sample depth: 20 (ft) Weather: Showers 50
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 3 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance: Very silty grey no odor

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3
1l Plastic	1	F/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 4 Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	7.18	8.7	(8.7)	1.47	x	1.01	x	110	=	163
Well Volume 2	↓		( )	Dry	x		x		=	
Well Volume 3			( )	Dry	x		x		=	
Final	7.59	9.9	(9.9)	1.47	x	1.01	x	140	=	197

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ADMINISTRATIVE RECORD
LIN002 399

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-4t
Sample #: 3139000725-23

Elevation Data

Date: 7/25/90 Time: 1351
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	19.00	+ -1.25	= 17.75
Bottom of Well	37.88	+ —	= 37.86

Water Column Height: 20 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 10 (gal)

Measuring Point: TPS / PVC
Sampler: JLR
Measuring Device ID#: Chalked steel tape
Weather: cloudy, 80's
Comments: OVM = 3 ppm in PVC
0 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 1420
Stop Time: 1425
Total Time Purged: 25
Pump Rate: — (lpm / gpm)
Volume Purged: 4 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/25/90 Time: 1445 Sampler: JLR
Approx. sample depth: 37 (ft) Weather: cloudy, 80
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: cloudy grey, no odor

Container	Quantity	Preservative
40ml V	2	I/HCl

too low to sample the rest of the parameters

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 4 — Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	12.64	10.7	(10.7) 1.39	x	1.04	x	3400	=	49.15
Well Volume 2	12.66	10.4	(10.5) 1.39	x	1.04	x	3250	=	46.98
Well Volume 3	*		( )	x		x		=	
Final			( )	x		x		=	

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* well went dry before 3rd volume

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ADMINISTRATIVE RECORD

LIN002 3 5 1

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: 31390 0726-23	MW-9T

Elevation Data

Date: 7/25/90 Time: 1351 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	19.00	+ 1.25	= 17.75
Bottom of Well	37.88	+ 0.0	= 37.88

Water Column Height: 26 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 10 (gal)

Measuring Point: TPS / PVC Sampler: JLR
Measuring Device ID#: Chalked Tape Weather: Cloudy, 80
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments: See 7/25 F.D.S.

Purge Data

Start Time:
Stop Time:
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Purged On 7/25
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/26/90 Time: 11:30 Sampler: MJR
Approx. sample depth: 27 (ft) Weather: Cloudy 65°
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Cloudy, no odor

Container	Quantity	Preservative
Amber-l	1	I
plastic-l	1	N/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# Instrument ID#

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( ) x	x	=	
Well Volume 2			( ) x	x	=	
Well Volume 3			( ) x	x	=	
Final			( ) x	x	=	

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LIN002 0398

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-29
Sample #: 3130120 7-29

Elevation Data

Date: 12/3/90 Time: 1512
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	13.90'	+ 1.66'	= 15.24'
Bottom of Well	37.45'	+ 0.47'	= 37.92

Water Column Height: 26 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 13 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: Cloudy, 40s
Comments: 0.2 ppm HNu upon opening well

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: well # needs to be painted on casing
~~Curb Box Gasket: OK / Replace / Other~~
lock replaced with Hampton - C23

Purge Data

Start Time: 1410
Stop Time: 1420
Total Time Purged: 10 min.
Pump Rate: (lpm / gpm)
Volume Purged: 5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/3/90 Time: 1450 Sampler: MJB
Approx. sample depth: 37 (ft) Weather: Cloudy, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, white material.

Container	Quantity	Preservative
Voa vial	2	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: 1
Instrument ID#: 5

pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
12.81	9.6	(9.6)	1.43	x	1.02	x	2,400	=	3500

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390207-24	MW-9T

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: [illegible] | Instrument ID#: 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2 gal	12.77	10.4	(10.4)	1.39	x	1.02	x	2,500	=	
3 gal	12.83	9.9	(9.9)	1.41	x	1.02	x	2,600	=	
5 gal	12.81	9.6	(9.4)	1.43	x	1.02	x	2,400	=	
DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 3 7 0

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: 313900723-03	MW-5SB

Elevation Data

Date: 7/23/90 Time: 10:17 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	28.0	+ 2.62'	= 25.38'
Bottom of Well	39.63'	+ 0.0	= 39.63'

Water Column Height: 14 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 7 (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: Chalked Tape Weather: p. cloudy, 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:08
Purge device: Dedicated / Nondedicated
Stop Time: 11:25
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 17 min
Comments:
Pump Rate: (lpm / gpm)
Volume Purged: 4 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/23/90 Time: 11:35 Sampler: MJB
Approx. sample depth: 39 (ft) Weather: p. cloudy, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other Steel Tape
Appearance: Cloudy, no odor

Container	Quantity	Preservative
VOA vial	3	H/I
plastic-1	1	HNO_3/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 2 Instrument ID# 3

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	5.80	11.0	(10.8)	1.38	x	1.01	x	90	=	125
Well Volume 2	5.95	11.2	(11.0)	1.37	x	1.01	x	85	=	118
Well Volume 3			( )		x		x		=	
Final	6.33	12.0	(12.3)	1.33	x	1.01	x	85	=	114

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LIN002 E 1 1

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313900724-03	MW-5sb

Elevation Data

Date: 7/23/90 Time: 10:17 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	28.00	+ -2.62	= 25.38
Bottom of Well	39.63	+ —	= 39.63

Water Column Height: 14 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 7 (gal)

Measuring Point: TPS / PVC Sampler: MB
Measuring Device ID#: chalked steel tape Weather: p. cloudy, 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 11:07
Stop Time: 11:20
Total Time Purged: 13 min
Pump Rate: — (lpm / gpm)
Volume Purged: 4 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/24/90 Time: 11:30 Sampler: MJB
Approx. sample depth: 39 (ft) Weather: cloudy, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
40 ml V	3	I/H
1 l P	1	I/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 6 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.66	10.5	(10.8)	1.38	x	1.03	x	80	=	114
Well Volume 2	6.44	11.4	(11.0)	1.37	x	1.03	x	90	=	127
Well Volume 3	6.47	11.1	(11.2)	1.37	x	1.03	x	85	=	120
Final	6.45	11.0	(11.0)	1.37	x	1.03	x	90	=	127

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ADMINISTRATIVE RECORD

LIN002 3 1 2

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-5sh (dup)
Sample #: 313900724-09

Elevation Data

Date: Time:
Well Diameter (inches):

	Depth (feet)	+ Correction	= True Depth
Water Level		+	
Bottom of Well		+	

Water Column Height: (feet)
gal/foot x 3 factor: x
Volume to be Purged: (gal)

Measuring Point: TPS / PVC
Sampler:
Measuring Device ID#:
Weather:
Comments:

N/A

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

N/A

urge Data

Start Time:
Purge device: Dedicated / Nondedicated
Stop Time:
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged:
Comments:
Pump Rate: (lpm / gpm)
Volume Purged: (gallons)
Well Yield: High / Moderate / Low / Dry

N/A

Sample Data

	Container	Quantity	Preservative

Date: Time: Sampler:
Approx. sample depth: (ft) Weather:
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

N/A

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID#
Instrument ID#

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
ell Volume 1			( ) x	x	=	
Well Volume 2			( ) x	x	=	
Well Volume 3			( ) x	x	=	
Final			( ) x	x	=	

N/A

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ADMINISTRATIVE RECORD

LIN002 E13

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-3ch
Sample #: 31390120403

Elevation Data

Date: 12/3/90 Time: 1382
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	24.30'	+ 1.91'	= 22.39'
Bottom of Well	39.17'	+ 0.47'	= 38.64'

Water Column Height: 17 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 8.5 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: Cloudy, 40s
Comments: 0 PVC 1.91

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1245
Stop Time: 1300
Total Time Purged: 15 min
Pump Rate: (lpm / gpm)
Volume Purged: 5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Blad
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/4/90 Time: 1310 Sampler: MJB
Approx. sample depth: (ft) Weather: cloudy, 40s, rain
Sampling method: Bailer / Peristaltic / Bladder
Baller type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
voa vial	3	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.95	10.0	(10.0) 1.41	x	1.09	x	75	=	110

Instrument ID# 5

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E114

Replicate Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-55b
Sample #: 313601204-03

FUSS&O'NEILL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	6.98	10.2	(10.2)	1.41	x	1.04	x	80	=	117
4 gal	6.87	10.1	(10.1)	1.41	x	1.04	x	80	=	117
4.5 gal	6.95	10.0	(10.0)	1.41	x	1.04	x	75	=	110
Dry			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 315

Field Data Sheet

FUSS&O'NEIL' Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-6T
Sample #: 313900725-21

Elevation Data

Date: 7/25/90 Time: 10:55 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	10.80	+ 0.09	= 10.71'
Bottom of Well	22.00	+ 0.0	= 22.00'

Water Column Height: 11 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 5.5 (gal)

Measuring Point: TPS / PVC Sampler: SLR
Measuring Device ID#: Chalked Tape Weather: cloudy, 80s
Comments: 0 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 11:42
Stop Time: 11:58
Total Time Purged: 16 mins
Pump Rate: — (lpm / gpm)
Volume Purged: 5½ (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/25/90 Time: 1210 Sampler: JCR
Approx. sample depth: 21 (ft) Weather: cloudy 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 2
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: slightly silty brown, no odor

Container	Quantity	Preservative
40ml V	2	I/HCl
1l A	2	I
1l P	1	I/HNO_3
1l P	1	I/F/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 4 Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.62	11.4	(12.4) 1.32	x	1.04	x	125	=	172
Well Volume 2	6.42	9.9	(11.0) 1.37	x	1.04	x	110	=	157
Well Volume 3	6.53	9.7	(9.9) 1.41	x	1.04	x	110	=	161
Final	6.76	10.5	(11.7) 1.35	x	1.04	x	110	=	154

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E19

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-6t (dup)
Sample #: 313900725-25

Elevation Data

Date: 7/25/90 Time: 10:55
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	10.80	+ -0.09	= 10.71
Bottom of Well	22.00	+ —	= 22.00

Water Column Height: 11 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 5 1/2 (gal)

Measuring Point: TPS (PVC)
Sampler: JLR
Measuring Device ID#: Chalked steel tape
Weather: Cloudy, 80's
Comments: OVM = 0ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace /~~ Other _____

Purge Data

Start Time: 11:42
Stop Time: 11:58
Total Time Purged: 16 mins
Pump Rate: — (lpm / gpm)
Volume Purged: 5 1/2 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/25/90 Time: 18:10 Sampler: JLR
Approx. sample depth: 20 (ft) Weather: cloudy, 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 2
Field Decon: Bailer / Filter / Tubing / Other
Appearance: slightly silty brown, no odor

Container	Quantity	Preservative
40ml V	2	I / HCl
1l A	2	I
1l P	1	I / HNO_3
1l P	1	I / F / HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 4 — Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.62	11.4	(12.4)	1.32	x	1.04	x	125	=	172
Well Volume 2	6.42	9.9	(11.0)	1.37	x	1.04	x	110	=	157
Well Volume 3	6.53	9.7	(9.9)	1.41	x	1.04	x	110	=	161
Final	7.84	10.7	(10.7)	1.37	x	1.04	x	110	=	157

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 E11

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313901207-21	MW-20I

Elevation Data

Date: 12/7/90 Time: 1337 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	9.10'	+ 1.17'	= 7.93'
Bottom of Well	21.53'	+ 0.47'	= 22.00'

5.15'

Water Column Height: 17 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 8.5 (gal)

Measuring Point: TPS (PVC) Sampler: MJB
Measuring Device ID#: chalked tape Weather: cloudy, 40s
Comments: 16 ppm reading on HNu upon opening well

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N short not on this pair
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~
Comments: T or Sb needs to be painted on this pair of wells

Purge Data

Start Time: 11:55
Stop Time: 12:05
Total Time Purged: 10 min
Pump Rate: (lpm / gpm)
Volume Purged: 6 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladd
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/7/90 Time: 1215 Sampler: MJB
Approx. sample depth: 21 (ft) Weather: sunny, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 5

pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.00	10.2	(10.2)	1.41	x	1.02	x	100	=	144

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0178

Replicate Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, Ct
Well ID: MW-6T
Sample #: 3139012072-2

FUSS&O'NEILL
Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
1 gal	7.48	9.3	(9.3)	1.43	x	1.02	x	105	=	153
4 gal	7.09	10.3	(10.3)	1.39	x	1.02	x	100	=	142
6 gal	7.00	10.2	(10.2)	1.41	x	1.02	x	100	=	144
DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 3 7 9

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Serv

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Sample #: 31390122626-26
Project #: 86-88
Well ID: MW-6T

Elevation Data

Date: 12/26/90 Time: 10:55
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	3.71'	+ 0.47'	= 4.18
Bottom of Well	21.56'	+ 0.47'	= 22.03'

Water Column Height: 18 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 9 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB
Weather: sunny, 30s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb? Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: P / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:20
Stop Time: 11:34
Total Time Purged: 14 min.
Pump Rate: (lpm / gpm)
Volume Purged: 6 (gallons)

Purge device: Dedicated / Nondedicated
Device type: ~~Bailer~~ / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/26/90 Time: 11:45 Sampler: MJB
Approx. sample depth: 21 (ft) Weather: sunny
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
Plastic-R	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.97	9.6	(9.6) 1.43	x	1.01	x	100	=	144

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ADMINISTRATIVE RECORD

LIN002 0 8 6 3

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: [illegible]
Sample#: [illegible]

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] | Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
1.5 gal	[illegible]	[illegible]	(9.3)	1.42	x	1.01	x	108	=	153
3.0 gal	[illegible]	[illegible]	(9.7)	1.42	x	1.01	x	101	=	145
6.0 gal	[illegible]	[illegible]	(9.6)	1.43	x	1.01	x	100	=	144
DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0023 81

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 96088
Project Location: Woodstock	Well ID
Sample #: 31390072 5-22	MW-6Sb

Elevation Data

Date: 7/25/90 Time: 10:50

	Depth (feet)	+ Correction	= True Depth
Water Level	13.70'	+ 1.09	= 12.61'
Bottom of Well	39.51'	+ 0.0	= 39.51'

Well Diameter (inches): 2"

Water Column Height: 27 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 13.5 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Chalked Tape
Sampler: JLR
Weather: Cloudy, 80s
Comments: Oppx in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Curb ~~Box Gasket: OK / Replace~~ / Other

Purge Data

Start Time: 11:40
Stop Time: 12:00
Total Time Purged: 20 min
Pump Rate: — (lpm / gpm)
Volume Purged: 5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/25/90 Time: 1300-1330 Sampler: MJB
Approx. sample depth: 28 (ft) Weather: Cloudy, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~ @ Vehicle
~~Method of Filtration: Pressure~~ / Vacuum / Syringe Pressure
Pump ID # 1 Filter ID # 2
Field Decon: Bailer / Filter / Tubing / Other Tape
Appearance: Cloudy, gray, silty

Container	Quantity	Preservative
VOA vial	2	H/I
Plastic-1	1	N/F/I
" "	1	I
Glass-1	1	I
EPA samples collected:		(# sets)
Voa	2	
1G (gal)	1	
1/2 l P	1	

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 6 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.71	9.7	(9.7)	1.42	x	1.03	x	185	=	270
Well Volume 2	8.23	9.2	(9.5)	1.43	x	1.03	x	185	=	272
Well Volume 3	7.13	10.5	(10.5)	1.39	x	1.03	x	210	=	301
Final *	9.08	9.1	(9.2)	1.45	x	1.03	x	250	=	377

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* pH = * 4
SC = * 6

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 283

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-6sb
Sample #: 313901207-22

Elevation Data

Date: 12/7/90 Time: 1346
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	7.00'	+ 1.85'	= 5.15'
Bottom of Well	39.05'	+ 0.47'	= 39.52'

7.93'

Water Column Height: 31 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 15.5 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: Cloudy, 40s
Comments: 9 ppm reading on HNu upon opening well

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: needs 6sb painted on casing
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 12:45
Stop Time: 13:00
Total Time Purged: 15 min.
Pump Rate: _____ (lpm / gpm)
Volume Purged: 6 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/7/90 Time: 1310-1340 Sampler: MJB
Approx. sample depth: 39 (ft) Weather: Cloudy, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.50	9.0	(9.0) 1.45	x	1.02	x	160	=	237

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E83

Replicate Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 31390207-22
MW-6sb

FUSS&O'NEILL
Environmental
Field Service

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 3

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2 gal	7.21	10.3	(10.3)	1.39	x	1.02	x	145	=	206
5 gal	7.34	9.3	(9.3)	1.43	x	1.02	x	145	=	211
6 gal	7.50	9.0	(9.0)	1.45	x	1.02	x	160	=	237
DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 084

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 3/3901226-27	MW-6sb

Elevation Data

Date: 12/26/90 Time: 10:58

	Depth (feet)	+ Correction	= True Depth
Water Level	5.94'	+ 0.47'	= 6.41'
Bottom of Well	39.00'	+ 0.47'	= 39.47'

Well Diameter (inches): 2"

Water Column Height: 33 (feet)

gal/foot x 3 factor: x 0.5

Volume to be Purged: 16.5 (gal)

Measuring Point: TPS / PVC

Measuring Device ID#: Tape

Sampler: MJB

Weather: sunny, 30s

Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Is well plumb?: Y / N

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Lock: Good / Broken / None

Well # Visible?: Y / N

Rust around Cap: Y / N

Well Cap: Good / Broken / None

PVC Riser: Good / Damaged / None

Evidence of rain water between steel and PVC?: Y / N

Concrete collar: OK / Cracked / Leaking / None

Evidence of ponding around well?: Y / N

Other Evidence of: Rodents / Insects / None

Gopher type holes around collar?: Y / N

Curb Box: N / Y (key is: Hex / Pent / Other)

Comments:

~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 12:15

Stop Time: 12:23

Total Time Purged: 8 min.

Pump Rate: _____ (lpm / gpm)

Volume Purged: 6 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladde

Comments:

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/26/90 Time: 12:30 Sampler: MJB

Approx. sample depth: 38 (ft) Weather: same

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other

Bailer cord: Dedicated / Nondedicated

~~Filtered in Field?: No / @Well / @Vehicle~~

~~Method of Filtration: Pressure / Vacuum / Syringe~~

~~Pump ID #~~ _____ ~~Filter ID #~~ _____

~~Field Decon: Bailer / Filter / Tubing / Other~~

Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
plastic-1	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

Instrument ID# 2

pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.32	8.8	(8.8)	1.46	x	1.01	x	170	=	251

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002585

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Servi

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample#: [redacted] MW 6-5

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted]
Instrument ID# [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4 gal	[redacted]		(8.2)	1.48	x	1.01	x	150	=	224
5 gal	[redacted]		(8.4)	1.47	x	1.01	x	162	=	241
5.5 gal	[redacted]		(8.8)	1.46	x	1.01	x	170	=	251
DRY	[redacted]		( )		x		x		=	
	[redacted]		( )		x		x		=	
	[redacted]		( )		x		x		=	
	[redacted]		( )		x		x		=	
	[redacted]		( )		x		x		=	
	[redacted]		( )		x		x		=	
	[redacted]		( )		x		x		=	
	[redacted]		( )		x		x		=	
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	[redacted]		( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 [redacted] 5 8 9

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 3413916708-50
Well ID: MW-6db 40' to 70'

Elevation Data

Date: 7/8/91 Time: 10:48

	Depth (feet)	+ Correction	= True Depth
Water Level	23.45	+ —	= 23.45
Bottom of Well		+	=

Well Diameter (inches): 6
Water Column Height: 30' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 50 gal (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Comments:
Sampler: DF
Weather: Cloudy 70s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 11:10
Stop Time: 14:10
Total Time Purged: _____
Pump Rate: _____ (lpm / gpm)
Volume Purged: 30 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Sub
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/8/91 Time: 12:30 Sampler: DF
Approx. sample depth: 22 (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ See Replicate Data Sheet. Instrument ID# _____

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=
Well Volume 2			( )	x	x	=
Well Volume 3			( )	x	x	=
Final			( )	x	x	=

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1831

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock CT	Well ID
Sample #: 3413910708 - ~~4550~~	MW-6db

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 — Instrument ID# 3

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5 gal	7.86	11.2	( ) 1.27	x	1.09	x	142	=	197
8 gal	7.76	13.7	( ) 1.28	x	1.09	x	140	=	195
10 gal	7.73	10.3	( ) 1.40	x	1.09	x	130	=	198
11 gal	7.70	10.5	( ) 1.39	x	1.09	x	130	=	197
15 gal	7.69	10.4	( ) 1.39	x	1.09	x	125	=	189
20 gal	7.71	10.6	( ) 1.39	x	1.09	x	127	=	192
23 gal	7.72	10.8	( ) 1.38	x	1.09	x	129	=	194
25 gal	7.69	10.8	( ) 1.38	x	1.09	x	130	=	196
30 gal	7.54	11.2	( ) 1.36	x	1.09	x	130	=	193
~~44 gal~~	~~7.49.50~~	~~10.9~~	( )	x	~~1.09~~	x	~~130~~	=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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ADMINISTRATIVE RECORD

LIN002 3 8 8

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Well ID: MW-6db
Sample #: 3413910708-46/47
81-111

Elevation Data

Date: 7/8/91 Time: 14:25
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	23.40	+ —	= 23.40
Bottom of Well		+	=

Water Column Height: 30' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Sampler: [illegible]
Measuring Device ID#: 100' Flat Tape
Weather: Clear 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 14:25
Stop Time: 14:55
Total Time Purged: 30 min
Pump Rate: (lpm / gpm)
Volume Purged: 50 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swift
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/8/91 Time: 15:00 Sampler: [illegible]
Approx. sample depth: 111 (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 12 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
V	2	H/I
A	1	H/I
P	1	I
P	1	N/I
P	1	F/N/I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
See Replicate data sheet
Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=	
Volume 2			( )	x	x	=	
Well Volume 3			( )	x	x	=	
Final			( )	x	x	=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 8 6

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Well ID
Sample #: 3413910708-46/47	MW-6db

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 3

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10 gal	7.64	13.5	( ) 1.29	x	1.09	x	135	=	188
30 gal	7.77	10.4	( ) 1.39	x	1.09	x	130	=	197
35 gal	7.77	10.8	( ) 1.38	x	1.09	x	128	=	193
40 gal	7.78	10.7	( ) 1.39	x	1.09	x	128	=	193
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 390

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-58(21)
Project Location: Woodstock CT
Well ID: MW-6b
Sample #: 3/3910708-51

Elevation Data

120' - 150'

Date: 7/8/91 Time: 15:30

	Depth (feet)	+ Correction	= True Depth
Water Level	20.45	+ —	= 20.45
Bottom of Well		+	=

Well Diameter (inches): 6
Water Column Height: 30 (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Sampler: DF
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: OK / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 15:38
Stop Time: 8:36 Next Day
Total Time Purged: Not purged continuously
Pump Rate: _____ (lpm / gpm)
Volume Purged: 50 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Scab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/9/91 Time: 8:37 Sampler: DF
Approx. sample depth: 150' (ft) Weather: Clear 70s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 — See Attached Replicate Sheet — Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=
Well Volume 2			( )	x	x	=
Well Volume 3			( )	x	x	=
Final			( )	x	x	=

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 9 3

Replicate Field Data Sheet

FUSS&O'NEILL
Environment[al]
Field Service[s]

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock	**Well ID**
Sample #: 3413910704-51	MW-6db

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10	8.20	10.1	( )	1.41	x	1.02	x	138	=	198
15	7.91	10.3	( )	1.39	x	1.02	x	135	=	191
30	7.88	10.0	( )	1.41	x	1.02	x	130	=	187
40	7.87	10.0	( )	1.41	x	1.02	x	130	=	187
50	7.78	10.0	( )	1.41	x	1.02	x	130	=	187
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0023992

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88121
Project Location: Woodstock
Sample #: 343910709-S2
Well ID: MW-6db
150' -> 180'

Elevation Data

Date: 7/9/91 Time: 9:00
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	24.50	+ —	= 24.50
Bottom of Well	—	+ —	= —

Water Column Height: 30' (feet)
gal/foot x 3 factor: x 1.67
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Sampler: DT
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: ~~8:30~~ 10:00
Stop Time: 10:30
Total Time Purged: 30
Pump Rate: _____ (lpm / gpm)
Volume Purged: 65 gal (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/9/91 Time: 10:30 Sampler: DT
Approx. sample depth: 180' (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	I
P	1	Nitric
P	1	Fit Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 See Rep data Sheet Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1			( )		x		x		=	
Volume 2			( )		x		x		=	
Well Volume 3			( )		x		x		=	
Final			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0393

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Well ID: MW-6db (150' - 160')
Sample #: 3439 10709 - 52

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
25 gal	8.16	10.9	( ) 1.37	x	1.02	x	125	=	189
35 gal	8.58	10.7	( ) 1.39	x	1.02	x	130	=	184
55 gal	8.51	10.5	( ) 1.39	x	1.02	x	132	=	187
60 gal	7.87	10.6	( ) 1.39	x	1.02	x	140	=	198
61 gal	8.27	10.2	( ) 1.41	x	1.02	x	130	=	187
62 gal	8.39	10.2	( ) 1.41	x	1.02	x	130	=	187
65 gal	8.26	10.2	( ) 1.41	x	1.02	x	131	=	188
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
465

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, ct
Well ID: MW-6db
Sample #: 3139 20108-30

Elevation Data

Date: 1/2/92 Time: 10:34
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	17.55'	+ 0.41'	= 17.96'
Bottom of Well	~300'	+	= ~300'

Water Column Height: 282 (feet)
gal/foot x 3 factor: x 1.5
Volume to be Purged: 423 (gal)

Measuring Point: TPS / PVC
Sampler: MJB, MRG
Measuring Device ID#: Tape
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16" wrench
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 9:55
Stop Time: 10:24
Total Time Purged: 29 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 440 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/8/92 Time: 10:45 Sampler: MJB
Approx. sample depth: 30 (ft) Weather: sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 3
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, lt. brown, silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is
Amber Glass-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 595

Field Parameter Data Sheet

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample#: 31397 0108-30
MW-6D

FUSS&O'NEIL Environment Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
150 gal	7.58	9.0	(9.0)	1.45	x	1.04	x	135	=	203
300 gal	7.61	8.4	(8.4)	1.47	x	1.04	x	130	=	199
425 gal	7.66	8.2	(8.2)	1.48	x	1.04	x	118	=	182
430 gal	7.69	8.5	(8.5)	1.47	x	1.04	x	118	=	180
435 gal	7.67	8.9	(8.9)	1.45	x	1.04	x	120	=	181
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 395

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-7sb
Sample #: 31390120(,-75

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2
Instrument ID# 3

	pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2 gal	8.23	9.6	(9.5) 1.43	x	1.01	x	40	=	58
4 gal	7.58	9.4	(9.4) 1.43	x	1.01	x	35	=	51
6 gal	7.23	9.5	(9.5) 1.43	x	1.01	x	35	=	51
8 gal	6.90	9.5	(9.5) 1.43	x	1.01	x	40	=	58
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 3 9 7

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 3139106 11:04

Elevation Data

Date: 6/10/91 Time: 11:06
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	18.00'	+ 1.29'	= 16.71'
Bottom of Well	21.19'	+ 0.45'	= 21.64'

Water Column Height: 5 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 2.5 (gal)

Measuring Point: TPS / PVC
Sampler: MJB / RFK
Measuring Device ID#: Chalk & SS Tape
Weather: Sunny, 90°
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None To be installed
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 12:07
Stop Time: 12:20
Total Time Purged: 13 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 3 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/11/91 Time: 12:25 Sampler: MJB
Approx. sample depth: 20 (ft) Weather: Same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
voa vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	as is
~~Amber-l~~	~~1~~	~~as is~~

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.62	10.5	(10.8)	1.38	x	1.01	x	60	=	84
Well Volume 2	6.36	9.7	(9.8)	1.42	x	1.01	x	50	=	72
Well Volume 3	6.35	9.5	(9.5)	1.43	x	1.01	x	50	=	72
Final	6.37	9.5	(9.4)	1.43	x	1.01	x	50	=	72

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 398

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920163-07	MW-8T

Elevation Data

Date: 1/2/92 Time: 9:43 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	10.74'	+ 0.41'	= 11.15'
Bottom of Well	20.57'	+ 0.41'	= 20.98'

Water Column Height: 10 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 5.0 (gal)

Measuring Point: TPS / PVC Sampler: MTR, MRG
Measuring Device ID#: Tape Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: OK / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:31
Stop Time: 11:45
Total Time Purged: 14 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 6.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/7/92 Time: 11:50 Sampler: MJB
Approx. sample depth: 18 (ft) Weather: p. sunny, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

Instrument ID#

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 399

Field Parameter Data Sheet

FUSS&O'NEIL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-21
Sample #: 3129201-03-07

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2.0 gal	5.74	9.0	(9.0)	1.45	x	1.04	x	63	=	95
4.0 gal	6.08	9.0	(9.0)	1.45	x	1.04	x	61	=	92
5.0 gal	6.33	8.9	(8.9)	1.45	x	1.04	x	63	=	95
5.5 gal	6.47	8.6	(8.6)	1.47	x	1.04	x	68	=	104
6.0 gal	6.40	8.8	(8.8)	1.46	x	1.04	x	65	=	99
			( )		x		x			
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002
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Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 313900724-11
Well ID: MW-8sb

Elevation Data

Date: 7/24/90 Time: 11:30
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	22.00	+ -2.28	= 19.72
Bottom of Well	31.84	+ —	= 31.84

Water Column Height: 12 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 6 (gal)

Measuring Point: TPS (PVC)
Sampler: JLR
Measuring Device ID#: chalked steel tape
Weather: cloudy, 80's
Comments:
OVM = 0 ppm in ~~head~~ breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb?: (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: OK / (Cracked) / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
Curb Box (N) / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

urge Data

Start Time: 12:22
Stop Time: 12:39
Total Time Purged: 17 mins
Pump Rate: — (lpm / gpm)
Volume Purged: 6 (gallons)
Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / (Moderate) / Low / Dry

Sample Data

Date: 7/24/90 Time: 12:40 Sampler: JLR
Approx. sample depth: 26 (ft) Weather: cloudy, 80's
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field?: (No) / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / (Other) tape
Appearance: slightly cloudy, no odor

Container	Quantity	Preservative
40ml V	3	I/H
1lP	1	I/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 4 — Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
ell Volume 1	6.34	8.7	(9.9)	1.41	x	1.04	x	50	=	73
vell Volume 2	6.26	8.8	(9.3)	1.43	x	1.04	x	50	=	74
Well Volume 3	6.23	8.6	(9.0)	1.45	x	1.04	x	50	=	83
Final	6.23	8.6	(8.9)	1.45	x	1.04	x	50	=	83

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LIN002 1 of 1

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-8sb
Sample #: 3139 0205-16

Elevation Data

Date: 12/3/90 Time: 12:07
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	14.70'	+ 1.52'	= 13.18
Bottom of Well	31.36	+ .47	= 31.83

Water Column Height: 18.75 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 9.5 (gal)

Measuring Point: TPS (PVC)
Sampler: MJB
Measuring Device ID#: Chalkline tape
Weather: Cloudy, 40s
Comments: 0 ppm HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb?: Y / (N)
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
Curb Box: (N) / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 13:06
Purge device: (Dedicated) / Nondedicated
Stop Time: 13:25
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Total Time Purged: 19 min
Comments:
Pump Rate: _____ (lpm / gpm)
Volume Purged: 9.5 (gallons)
Well Yield: (High) / Moderate / Low / Dry

Sample Data

Date: 12/5/90 Time: 13:28 Sampler: ACA
Approx. sample depth: 28 (ft) Weather: SAME
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: CLEAR NO ODOR

Container	Quantity	Preservative
VOA	3	HCL
PLASTIC	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.27	9.0	(9.0) 1.45	x	1.06	x	50	=	~~692~~ 77

Instrument ID# 3

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LIN002 204

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-85b
Sample #: 3139012 05-10

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 | Instrument ID# 3

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	7.43	8.6	(8.6)	1.47	x	1.06	x	50	=	78
6 gal	7.41	8.6	(8.6)	1.47	x	1.06	x	50	=	78
9 gal	7.42	8.4	(8.4)	1.47	x	1.06	x	50	=	78
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 0 4 3

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock
Sample #: 343910701-37
Well ID: MW-8db
30'-70'

Elevation Data

Date: 7/1/91 Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	17.84	+ —	= 17.84
Bottom of Well	—	+ —	= —

Well Diameter (inches): 6"
Water Column Height: 40' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 59 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Sampler: DF
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 2:06
Stop Time: 3:58
Total Time Purged: 112 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 50 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/1/91 Time: 3:58 Sampler: DF
Approx. sample depth: _____ (ft) Weather: Clear 70s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 2
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric
P	1	Filt/Nitric
P	1	As to.

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ See Replicate Chart Instrument ID# _____

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1			( )		x		x		=	
Well Volume 2			( )		x		x		=	
Well Volume 3			( )		x		x		=	
Final			( )		x		x		=	

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ADMINISTRATIVE RECORD

LIN002 449

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Well ID: MW-826
ample #: 3439107 01 - 37
30-70

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
12 gal	8.31	12.9	( )	1.30	x	0.99	x	142	=	183
15 gal	8.27	12.4	( )	1.32	x	0.99	x	138	=	180
16 gal	8.12	12.6	( )	1.32	x	0.99	x	138	=	180
20 gal	8.13	11.6	( )	1.35	x	0.99	x	130	=	174
23 gal	7.96	9.9	( )	1.41	x	0.99	x	132	=	184
25 gal	7.89	9.8	( )	1.41	x	0.99	x	138	=	193
30 gal	7.63	9.8	( )	1.41	x	0.99	x	142	=	198
40 gal	7.56	9.9	( )	1.41	x	0.99	x	140	=	195
45 gal	7.52	9.8	( )	1.41	x	0.99	x	140	=	195
60 gal	7.52	9.8	( )	1.41	x	0.99	x	140	=	195
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 405

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock CT	Well ID
Sample #: 343910701 - 38	MW-8d6

Elevation Data

(87' → 127')

Date: 7/1/91	Time: 4:01		
	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Well Diameter (inches): 6
Water Column Height: 40 (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Sampler: DF
Weather: Clear 70s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 407
Stop Time: 440
Total Time Purged: 33 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 60 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Scrub
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/1/91 Time: 430 Sampler: DF
Approx. sample depth: 87' (ft) Weather: Clear 70s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	NaOH

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ Instrument ID# _____

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
Well Volume 1			( )	x	x	=	
Well Volume 2			( )	x	x	=	
Well Volume 3			( )	x	x	=	
Final			( )	x	x	=	

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LIN002 605

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemastr Switch
Project #: 86-88(21)
Project Location: Woodstock
Well ID: MW-8db
Sample #: 3439100701-38

Field Parameters

87 127

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	7.22	10.9	( ) 1.37	x	0.91	x	130	=	176
30 gal	7.56	10.5	( ) 1.39	x	0.99	x	125	=	172
40 gal	7.73	10.4	( ) 1.39	x	0.99	x	125	=	172
50 gal	7.75	10.5	( ) 1.31	x	0.91	x	125	=	172
60 gal	7.82	10.6	( ) 1.39	x	0.99	x	125	=	172
			( )	x		x	~~130~~	=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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ADMINISTRATIVE RECORD

LIN002 4 0 7

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project Location: Woodstock
Sample #: 3413910702-40

Project #: 86-88(21)
Well ID: MW-8d6
160' - 200'

Elevation Data

Date: 7/2/91 Time: 8:57

	Depth (feet)	+ Correction	= True Depth
Water Level	5.67	+ —	= 5.67
Bottom of Well	—	+ —	= —

Well Diameter (inches): 6
Water Column Height: 40 (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 60 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Sampler: DF
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 8:54
Stop Time: 13:10
Total Time Purged: 4 hr 16 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 60 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/2/91 Time: 13:15 Sampler: DF
Approx. sample depth: 200 (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 21 Filter ID # 21
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	3	HCl
P	1	Ice
P	1	Nitric
P	1	Filtr Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ See Replicate sheet Instrument ID# _____

	pH	Temp	(Temp)	Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
Well Volume 1			( )	x	x		=	
Well Volume 2			( )	x	x		=	
Well Volume 3			( )	x	x		=	
Final			( )	x	x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0988

Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
ample #: 3413910703-40
Well ID: MW-8db

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement. 160-200

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
25 gal	8.37	9.9	( ) 1.41	x	0.99	x	125	=	174
30 gal	8.48	11.9	( ) 1.33	x	0.99	x	140	=	184
31 gal	8.38	10.7	( ) 1.39	x	0.99	x	132	=	182
32 gal	8.37	10.1	( ) 1.41	x	0.99	x	130	=	181
40 gal	8.35	10.4	( ) 1.39	x	0.90	x	128	=	176
60 gal	8.34	10.3	( ) 1.39	x	0.99	x	128	=	176
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
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LIN002 4 0 9

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environment Field Servic

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 3139
30-70' zone

Elevation Data

Date: Time:
Well Diameter (inches):

	Depth (feet)	+ Correction	= True Depth
Water Level		+	
Bottom of Well		+	

Water Column Height: (feet)
gal/foot x 3 factor: x
Volume to be Purged: (gal)

Measuring Point: TPS / PVC
Sampler:
Measuring Device ID#:
Weather:
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:45
Stop Time: 11:17
Total Time Purged: 32 min.
Pump Rate: 2-3 (lpm / gpm)
Volume Purged: 55 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/19/91 Time: 11:30 Sampler: MSB
Approx. sample depth: 25 (ft) Weather: Sunny, 20s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: Cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
see field	parameter	(sheet	x	x	=

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 0119

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, Ct
Sample #: [illegible]
Well ID: [illegible]
30-70'

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] | Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	7.09	[illegible]	(8.4)	1.47	x	1.05	x	90	=	[illegible]39
35 gal	7.20	[illegible]	(9.0)	1.45	x	1.05	x	88	=	[illegible]24
50 gal	[illegible]	[illegible]	(9.0)	1.45	x	1.05	x	86	=	[illegible]31
51 gal	[illegible]	[illegible]	(9.1)	1.45	x	1.05	x	85	=	[illegible]09
54 gal	[illegible]	[illegible]	(9.0)	1.45	x	1.05	x	85	=	[illegible]29
55 gal	7.53	[illegible]	(8.8)	1.46	x	1.05	x	85	=	[illegible]30
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002[illegible]411

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmen+ Field Servic

Client/Project Name: Linemaster	Project #: 86-88/a1
Project Location: Woodstock, CT	Well ID
Sample #: 3139 1219-09	MW-8B 86-126'

Elevation Data

Date: Time:

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Measuring Point: TPS / PVC
Measuring Device ID#:
Comments:

Well Diameter (inches):
Water Column Height: (feet)
gal/foot x 3 factor: x
Volume to be Purged: (gal)
Sampler:
Weather:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb? Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 12:47
Stop Time: 1318
Total Time Purged: 31 min.
Pump Rate: 5 (lpm / gpm)
Volume Purged: 69 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer/submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/19/91 Time: 1330 Sampler: MJB
Approx. sample depth: 60 (ft) Weather: Same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: Cloudy, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

Instrument ID#

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ADMINISTRATIVE RECORD

LIN002 4 1 2

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: [redacted]
Sample #: 3135-1219-09 [redacted]
86-126'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
40 gal	8.12	9.7	(9.7)	1.42	x	1.05	x	109	=	163
50 gal	8.05	[redacted]	(9.2)	1.44	x	1.05	x	108	=	[redacted]
60 gal	8.06	[redacted]	(9.1)	1.45	x	1.05	x	108	=	[redacted]
65 gal	[redacted]	[redacted]	(9.0)	1.45	x	1.05	x	109	=	[redacted]
67 gal	[redacted]	[redacted]	(8.8)	1.46	x	1.05	x	109	=	[redacted]
69 gal	8.09	[redacted]	(9.0)	1.45	x	1.05	x	109	=	[redacted]
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 413

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster — Project #: 86-88 21
Project Location: Woodstock, CT — Well ID: [redacted]
Sample #: [redacted]

Elevation Data

Date: [redacted] Time: [redacted]

	Depth (feet)	+ Correction	= True Depth
Water Level		+	[redacted]
Bottom of Well		+	[redacted]

Measuring Point: TPS / PVC
Measuring Device ID#: [redacted]
Comments: [redacted]

Well Diameter (inches): ____
Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Sampler: [redacted]
Weather: [redacted]

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ ____

Purge Data

Start Time: 1415
Stop Time: 1435
Total Time Purged: 20 min
Pump Rate: 4-5 (lpm / gpm)
Volume Purged: 40-45 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladd
Comments: Packer/Submersible
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/19/91 Time: 1530 Sampler: MJR
Approx. sample depth: 190' (ft) Weather: sunny, 20s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # [redacted] Filter ID # [redacted]
Field Decon: Bailer / Filter / Tubing / Other ____
Appearance: cloudy, lt. brown no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted] Instrument ID# [redacted]

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
See Field parameter sheet			x		x		=	

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ADMINISTRATIVE RECORD

LIN002 414

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID [illegible]
Sample #: 81391[illegible]9-[illegible]
160-200'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 (pH/Temp) Instrument ID# 2 (Spec. Cond.)

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.21	8.7	(8.7)	1.46	x	1.05	x	129	=	198
dry at 40 gal	8.20	8.8	(8.8)	1.46	x	1.05	x	130	=	199
Tried to bail			( )		x		x		=	
remaining volume			( )		x		x		=	
only 1-2'			( )		x		x		=	
water between			( )		x		x		=	
packers			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0024115

Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-93b
Sample #: 313900725-20

Elevation Data

Date: 7/25/90 Time: 9:46
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	9.30'	+ 1.43'	= 7.87'
Bottom of Well	17.55'	+ 0.0	= 17.55'

Water Column Height: 10 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 5 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: Cloudy, 80s
Comments: 0 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 10:20
Purge device: Dedicated / Nondedicated
Stop Time: 10:40
Device type: Bailer / Peristaltic / Submersible / Bladde
Total Time Purged: 20 min.
Comments:
Pump Rate: _____ (lpm / gpm)
Volume Purged: 5 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/25/90 Time: 10:45 Sampler: MJB
Approx. sample depth: 11 (ft) Weather: Cloudy, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other Tape
Appearance: Cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	H/I
Plastic-l	1	N/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 6 — Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	7.24	10.8	(16.9)	1.37	x	1.03	x	80	=	113
Well Volume 2	6.91	11.0	(11.0)	1.37	x	1.03	x	80	=	113
Well Volume 3	6.84	16.8	(16.7)	1.37	x	1.03	x	80	=	113
Final	6.36	11.2	(11.3)	1.36	x	1.03	x	80	=	112

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 419

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 8688
Project Location: Woodstock, CT
Well ID: NW-9s
Sample #: 31390TD06-17

Elevation Data

Date: 12/3/90 Time: 1356

	Depth (feet)	+ Correction	= True Depth
Water Level	9.30	+ .95	= 7.35
Bottom of Well	17.01'	+ 0.52'	= 17.53'

Well Diameter (inches): _____
Water Column Height: 10 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 5 (gal)

Measuring Point: TPS (PVC) Sampler: MJR
Measuring Device ID#: chalked tape Weather: cloudy, 40s
Comments: 0.2 ppm HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb?: (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
Curb Box: (N) / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 14:40
Stop Time: 14:50
Total Time Purged: 10 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 5 gal (gallons)
Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments:
Well Yield: (High) / Moderate / Low / Dry

Sample Data

Date: 12/6/90 Time: 14:52 Sampler: STR
Approx. sample depth: 10 (ft) Weather: Sunny 30
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field?: (No) / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # _____ ~~Filter ID #~~ _____
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA	2	HCl
plastic L	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.41	10.6	(10.0) 1.41	x	1.01	x	70	=	100

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LIN002 4 1 1

Replicate Field Data Sheet

FUSS&O'NEILL
Environmen
Field Servic

Client/Project Name: Linemaster	Project #: 86-86
Project Location: Woodstock, CT	Well ID
Sample #: 373901206-17	MW-9sb

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 — Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
1.5 gal	6.29	9.6	(9.6)	1.43	x	1.01	x	65	=	94
3 gal	6.93	9.9	(9.9)	1.41	x	1.01	x	70	=	100
5 gal	6.47	10.0	(10.0)	1.41	x	1.01	x	70	=	100
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-10T
Sample #: 313900725-27 90 26 10/10/90 2.B.

Elevation Data

Date: 7/25/90 Time: 1530

	Depth (feet)	+ Correction	= True Depth
Water Level	21.20'	+ 1.47	= 19.73'
Bottom of Well	45.1	+ 0.0	= 45.10'

Well Diameter (inches): 2"
Water Column Height: 25 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 12.5 (gal)

Measuring Point: TPS (PVC)
Measuring Device ID#: Chalked Tape
Sampler: MJB
Weather: p. cloudy, 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 12:24
Stop Time: 12:56
Total Time Purged: 32 min
Pump Rate: — (lpm / gpm)
Volume Purged: 10 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/26/90 Time: 1310 Sampler: MJB
Approx. sample depth: 45 (ft) Weather: p. cloudy, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, brown, silty, odor present

Container	Quantity	Preservative
VOA vial	2	H/I
plastic	1	N/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

	Instrument ID# 4										Instrument ID# 6
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
Well Volume 1	7.92	13.9	(14.0)	1.27	x	1.04	x	310	=		409
Well Volume 2	7.71	13.2	(13.4)	1.28	x	1.04	x	280	=		373
Well Volume 3	8.07	13.8	(13.6)	1.28	x	1.04	x	265	=		353
Final	8.16	14.5	(14.6)	1.26	x	1.04	x	290	=		380

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LIN002 619

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313901210-27	MW-10T

Elevation Data

Date: 12/3/90 Time: 1526 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	18.40'	+ 1.16'	= 17.24'
Bottom of Well	44.55'	+ 0.47	= 45.02'

Water Column Height: 28 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 14 (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: Chalked Tape Weather: cloudy, 40s
Comments: 1000 ppm on HNu upon opening well

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 12:30
Stop Time: 12:55
Total Time Purged: 25 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 14 l (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladd
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/10/90 Time: 1310 Sampler: MJB
Approx. sample depth: 44 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, silty, TCE odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	f/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.37	11.5	(11.5) 1.35	x	1.04	x	250	=	351

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LIN002 0420

Replicate Field Data Sheet

FUSS&O'NEILL
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Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313 901210-27
MW-10T

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5 gal	8.21	12.1	(11.8)	1.33	x	1.04	x	260	=	360
10 gal	8.26	11.4	(11.4)	1.35	x	1.04	x	250	=	351
11 gal	8.37	11.5	(11.5)	1.35	x	1.04	x	250	=	351
DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002421

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 31390 1210-30
MW-10T Dup.

Elevation Data

Date: Time:
Well Diameter (inches):

	Depth (feet)	+ Correction	= True Depth
Water Level		+	
Bottom of Well		+	

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Sampler:
Measuring Device ID#:
Weather:
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time:
Purge device: Dedicated / Nondedicated
Stop Time:
Device type: Bailer / Peristaltic / Submersible / Bladc
Total Time Purged:
Comments:
Pump Rate: _____ (lpm / gpm)
Volume Purged: _____ (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: Time: Sampler:
Approx. sample depth: _____ (ft) Weather:
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
voa vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/AMO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LIN002 224

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, Ct
Well ID: MW-10T
Sample #: 3-13 90 1226-29

Elevation Data

Date: 12/26/90 Time: 1510

	Depth (feet)	+ Correction	= True Depth
Water Level	16.54'	+ 0.47'	= 17.01'
Bottom of Well	44.60'	+ 0.47'	= 45.07'

Well Diameter (inches): 2"
Water Column Height: 28 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 14 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB
Weather: Sunny, 30s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1320
Stop Time: 1340
Total Time Purged: 20 min.
Pump Rate: (lpm / gpm)
Volume Purged: 8 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladde
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/26/90 Time: 1350 Sampler: MJB
Approx. sample depth: 45 (ft) Weather: Sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, odor present

Container	Quantity	Preservative
plastic-d	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond
8.11	11.0	(11.0) 1.37	x	1.01	x	250	=	346

Instrument ID# 2

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ADMINISTRATIVE RECORD

LIN002 423

Replicate Field Data Sheet

FUSS&O'NEILL
Environmer
Field Servic

Client/Project Name: Linemaster
Project Location: Woodstock, Ct
Project #: 86-88
Well ID: [illegible]
Sample# [illegible]

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4 cal	[illegible]	[illegible]	(11.6)	1.35	x	1.01	x	235	=	320
6 cal	[illegible]	[illegible]	(11.1)	1.37	x	1.01	x	252	=	346
8 cal	[illegible]	[illegible]	(11.0)	1.37	x	1.01	x	250	=	346
DRY	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002424

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock
Sample #: 3739204224-01
Well ID: MW-10ts

Elevation Data

Date: 4/24/92 Time: 10:01

	Depth (feet)	+ Correction	= True Depth
Water Level	9.74	+ .46	= 10.20
Bottom of Well	30.02	+ .46	= 30.48

Well Diameter (inches):
Water Column Height: 20.28 (feet)
gal/foot x 3 factor: x .5
Volume to be Purged: 10.14 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: PDL
Weather: Cldy 50's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: ~~Y / N~~
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: ~~Y / N~~
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / ~~Y (key is: Hex / Pent / Other)~~
~~Curb Box Gasket: OK / Replace / Other~~
Comments: No protective Steel

Purge Data

Start Time: 10:04
Stop Time: 10:14
Total Time Purged: 10
Pump Rate: (lpm / gpm)
Volume Purged: 6.75 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Dry at end of 2nd well Volume
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/24/92 Time: 10:25 Sampler: PDL
Approx. sample depth: 27 (ft) Weather: Cloudy 50's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other
Appearance: Silty grey, chemical odor

Container	Quantity	Preservative
VOA	3	HCl
Plastic 1l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 4 — Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.94	11.4	(11.4)	1.35	x	1.01	x	250	=	341
Well Volume 2	7.16	11.8	(11.8)	1.33	x	1.01	x	270	=	363
Well Volume 3			( )		x		x		=	
Final	7.23	11.8	(11.8)	1.33	x	1.01	x	275	=	369

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002425

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Cinemaster	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: 313900725-24	MW-10SR

Elevation Data

Date: 7/25/90 Time: 1545 Well Diameter (inches):

	Depth (feet)	+ Correction	= True Depth
Water Level	49.2	+ 1.23	= 47.97
Bottom of Well	63.30	+ 0.0	= 63.30'

Water Column Height: 48 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 7.5 (gal)

Measuring Point: TPS (PVC) Sampler: MJB
Measuring Device ID#: Chalked Tape Weather: p. cloudy, 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb? (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1404
Stop Time: 1435
Total Time Purged: 31 min.
Pump Rate: (lpm / gpm)
Volume Purged: 7 1/2 (gallons)

Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / (Moderate) / Low / Dry

Sample Data

Date: 7/25/90 Time: 1640 Sampler: MJB
Approx. sample depth: 60 (ft) Weather: cloudy 80s
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: (Dedicated) / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / (Other) Tape
Appearance: cloudy, gray, silty, no odor

Container	Quantity	Preservative
VOA vial	3	H/I
Plastic-1	1	N/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 6 Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.69	13.8	(14.1)	1.27	x	1.03	x	200	=	262
Well Volume 2	8.45	12.8	(13.3)	1.29	x	1.03	x	200	=	266
Well Volume 3	6.28	12.7	(13.7)	1.27	x	1.03	x	220	=	288
Final	6.91	12.8	(14.1)	1.27	x	1.03	x	195	=	255
	6.90	13.4	13.5	1.28		1.03		210		277

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 425

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-10sb
Sample #: 31390-1210-28

Elevation Data

Date: 12/13/90 Time: 1533
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	45.80'	+ 1.52'	= 44.28'
Bottom of Well	62.85'	+ 0.47'	= 63.32'

Water Column Height: 19 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 9.5 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: Cloudy, 40
Comments: 60 ppm on HNu upon opening well

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None ?
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1340
Stop Time: 1400
Total Time Purged: 20 min
Pump Rate: — (lpm / gpm)
Volume Purged: 10 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/13/90 Time: 1410 Sampler: MJB
Approx. sample depth: 60 (ft) Weather: cloudy, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, gray, TCE odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5.34	11.1	((11.1) 1.37	x	1.04	x	195	=	278

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ADMINISTRATIVE RECORD

LIN002 427

Replicate Field Data Sheet

FUSS&O'NEILL
Environmen'
Field Servic

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313907210-28	MW-10sb

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	8.67	11.4	(11.4)	1.35	x	1.04	x	195	=	274
6 gal	8.56	11.0	(11.0)	1.37	x	1.04	x	195	=	278
9 gal	8.34	11.1	(11.1)	1.37	x	1.04	x	195	=	278
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0024288

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Sample #: 31390/12-26-30
Project #: 86-88
Well ID: MW-10sb

Elevation Data

Date: 12/26/90 Time: 1305
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	44.90'	+ 0.47	= 45.37'
Bottom of Well	62.88'	+ 0.47'	= 63.35'

Water Column Height: 18 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 9 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB
Weather: sunny, 30s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~
Comments:

Purge Data

Start Time: 1400
Stop Time: 1420
Total Time Purged: 20 min.
Pump Rate: ___ (lpm / gpm)
Volume Purged: 9 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladde
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/26/90 Time: 1430 Sampler: MJB
Approx. sample depth: 62 (ft) Weather: sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ___
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ___ ~~Filter ID #~~ ___
~~Field Decon: Bailer / Filter / Tubing / Other~~ ___
Appearance: cloudy, gray, silty, odor present

Container	Quantity	Preservative
Plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond
8.25	10.9	(10.9) 1.37	x	1.01	x	188	=	260

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LIN002 429

Replicate Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, Ct
Well ID
Sample #: [redacted]
MW-10 Sb

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Field Servi

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted]
Instrument ID# [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	[redacted]	[redacted]	(10.4)	1.39	x	1.01	x	185	=	260
6 gal	[redacted]	[redacted]	(10.8)	1.38	x	1.01	x	185	=	258
9 gal	[redacted]	[redacted]	(10.9)	1.37	x	1.01	x	188	=	260
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
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LIN002 0430

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-11T
Sample #: 3139007 23-07

Elevation Data

Date: 7/23/90 Time: 15:11
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	11.30	+ -1.51	= 9.79
Bottom of Well	30.11	+ —	= 30.11

Water Column Height: 20 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 10 (gal)

Measuring Point: TPS / PVC
Sampler: WB
Measuring Device ID#: chalked steel tape
Weather: p. cloudy 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~ _____
Comments: Will not pass 2" bailer

Purge Data

Start Time: 15:30
Purge device: Dedicated / Nondedicated
Stop Time: 16:15
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 45 mins
Comments:
Pump Rate: — (lpm / gpm)
Volume Purged: 10 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/23/90 Time: 16:15 Sampler: JCR
Approx. sample depth: 29 (ft) Weather: p. cloudy 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: cloudy, silty grey, no odor
very grout-like

Container	Quantity	Preservative
40ml V	3	I/H
1lP	1	I/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 5 — Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	14.95	9.5	(9.6)	1.43	x	1.04	x	150	=	223
Well Volume 2	14.47	9.9	(9.9)	1.41	x	1.04	x	150	=	220
Well Volume 3	14.99	9.3	(9.3)	1.43	x	1.04	x	150	=	223
Final	15.10	9.1	(9.5)	1.43	x	1.04	x	150	=	223

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LIN002 1 3 4

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-11T
Sample #: 3139012206-14

Elevation Data

Date: 12/3/90 Time: 1445
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	8.50'	- 0.95'	= 7.55'
Bottom of Well	29.43'	+ 0.52	= 29.95

Water Column Height: 22 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 11 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: chalked Tape
Weather: cloudy, 40s
Comments: 0 ppm HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: Need 1 1/4" bailer
~~Curb Box Gasket: OK~~ / Replace / Other _____

Purge Data

Start Time: 11:15
Purge device: Dedicated / Nondedicated
Stop Time: 11:42
Device type: Bailer / Peristaltic / Submersible / Blad
Total Time Purged: 27
Comments:
Pump Rate: ____ (lpm / gpm)
Volume Purged: 11 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: ~~[illegible]~~ 12/6/90 Time: 11:45 Sampler: STR
Approx. sample depth: 26 (ft) Weather: Sunny 30
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 7 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Cloudy, brown, no odor

Container	Quantity	Preservative
VOA	3	HCl
Plastic L	2	

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.03	9.9	(9.4) 1.43	x	1.01	x	145	=	209

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ADMINISTRATIVE RECORD

LIN002 4372

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313901206-14	MW-11T

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 5

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5 gal	7.21	9.6	(9.5) 1.43	x	1.01	x	140	=	202
9 gal	7.94	9.4	(9.4) 1.43	x	1.01	x	145	=	209
11 gal	8.03	9.4	(9.4) 1.43	x	1.01	x	145	=	209
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 433

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster	Project #: 86-82
Project Location: Woodstock, CT	Well ID
Sample #: 31390 1206-76	MW-11T Dup

Elevation Data

Date: Time: Well Diameter (inches):

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Water Column Height: (feet)
gal/foot x 3 factor: x
Volume to be Purged: (gal)

Measuring Point: TPS / PVC Sampler:
Measuring Device ID#: Weather:
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time:
Stop Time:
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladd
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: Time: Sampler:
Approx. sample depth: (ft) Weather:
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3
plastic-l	1	E/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
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LIN002 434

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 3139012227-31
Well ID: MW-11T

Elevation Data

Date: 12/27/90 Time: 10:10

	Depth (feet)	+ Correction	= True Depth
Water Level	6.00'	+ 0.47'	= 6.47'
Bottom of Well	29.50'	+ 0.47'	= 29.97'

Well Diameter (inches): 2"
Water Column Height: 23 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 11.5 (gal)

Measuring Point: TPS (PVC)
Measuring Device ID#: Tape
Sampler: MJB
Weather: cloudy, 30s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N Need 1 1/4" bailer
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~
Comments:

Purge Data

Start Time: 10:45
Stop Time: 11:30
Total Time Purged: 45 min
Pump Rate: ——— (lpm / gpm)
Volume Purged: ~ (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladde
Comments: Need 1 1/4" Bailer
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/27/90 Time: 11:50 Sampler: MJB
Approx. sample depth: 28 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
plastic	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond
8.10	8.5	(8.5) 1.47	x	1.06	x	135	=	210

Instrument ID# 1

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ADMINISTRATIVE RECORD

LIN002 5 3 4 5

Replicate Field Data Sheet

FUSS&O'NEILL
Environmer
Field Servic

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample#

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4 gal			(8.5)	1.47	x	1.06	x	144	=	224
8 gal			(8.4)	1.47	x	1.06	x	142	=	221
10 gal			(8.6)	1.47	x	1.06	x	140	=	218
11 gal			(8.7)	1.46	x	1.06	x	140	=	217
12 gal			(8.5)	1.47	x	1.06	x	135	=	210
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 5 3 9

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Line master
Project #: 86-88
Project Location: Woodstock
Well ID: MW-11S.b
Sample #: 3139007 23-08

Elevation Data

Date: 7/23/90 Time: 15:04

	Depth (feet)	+ Correction	= True Depth
Water Level	11.00	+ -1.62	= 9.38
Bottom of Well	45.54	+ —	= 45.54

Well Diameter (inches): 2"
Water Column Height: 36 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 18 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: p. cloudy, 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1518
Stop Time: 1555
Total Time Purged: 37 min
Pump Rate: (lpm / gpm)
Volume Purged: 17 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/23/90 Time: 1600 Sampler: MJB
Approx. sample depth: 40 (ft) Weather: p. cloudy, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / ~~Other~~ Tape
Appearance: cloudy, no odor

Container	Quantity	Preservative
VOA vial	3	H/I
plastic-l	1	HNO_3/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 2 — Instrument ID# 3

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	7.28	10.2	(10.6)	1.39	x	1.0	x	170	=	239
Well Volume 2	7.09	9.9	(10.3)	1.39	x	1.0	x	160	=	225
Well Volume 3	7.15	9.7	(10.3)	1.39	x	1.0	x	160	=	225
Final	7.29	10.1	(11.0)	1.37	x	1.0	x	160	=	221

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LIN002 1 4 3

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster	Project #: 8688
Project Location: Woodstock, CT	Well ID
Sample #: 31390120 5-08	MW-11sh

Elevation Data

Date: 12/3/90 Time: 1455 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	8.20'	+ 0.97'	= 7.23'
Bottom of Well	44.97'	+ 0.47'	= 44.47'

Water Column Height: 38 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 19 (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: chalk line Weather: cloudy 40s
Comments: 0 ppm HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: ~~Good~~ / Needs Repair Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None Lock: Good / Broken / None
Well # Visible?: Y / N Rust around Cap: Y / N
Well Cap: Good / Broken / None PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: REPLACED LOCK WITH HAMILTON B-53 ~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 11:15 Purge device: Dedicated / Nondedicated
Stop Time: 11:40 Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 25 Comments:
Pump Rate: — (lpm / gpm)
Volume Purged: 19 (gallons) Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/5/90 Time: 11:50 Sampler: MJB
Approx. sample depth: 40 (ft) Weather: SAME
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3
~~Plastic-l~~	~~1~~	~~F/HNO_3~~

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 Instrument ID# 3

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
7.89	8.4	(8.5) 1.47 x 1.06 x 139 =	217

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ADMINISTRATIVE RECORD

LIN002 0 9 3 8

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-11S6
Sample #: 31390 1205-08

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 | Instrument ID# 3

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	~~6.66~~	~~8.9~~	( )		x		x		=	~~130~~
6 GAL	6.66	8.9	(8.9)	1.45	x	1.06	x	130	=	200
12 Gal	7.23	8.8	(8.8)	1.45	x	1.06	x	140	=	215
18 GAL	7.60	8.8	(8.8)	1.45	x	1.06	x	140	=	215
19 Gal	7.89	8.4	(8.5)	1.47	x	1.06	x	139	=	217
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 439

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Serv

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390.1227-32	MW-11sb

Elevation Data

Date: 12/27/90 Time: 1010.5

Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.74'	+ 0.47'	= 6.21'
Bottom of Well	44.97'	+ 0.47'	= 45.44'

Water Column Height: 39 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 19.5 (gal)

Measuring Point: TPS (PVC)
Measuring Device ID#: Tape
Sampler: MJB
Weather: cloudy, 30s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None — replaced with C-27
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 12:15
Stop Time: 12:45
Total Time Purged: 30 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 20 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / E...e
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/27/90 Time: 1300 Sampler: MJB
Approx. sample depth: 44 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, no odor

Container	Quantity	Preservative
Plastic	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.05	8.5	(8.5) 1.47	x	1.06	x	140	=	218

Instrument ID# 1

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LIN002 449

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-116
Sample#: [illegible]

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec Cond.
6 gal	[illegible]	[illegible]	(8.1)	1.49	x	1.06	x	135	=	213
12 gal	[illegible]	[illegible]	(8.6)	1.47	x	1.06	x	146	=	218
16 gal	[illegible]	[illegible]	(8.5)	1.47	x	1.06	x	140	=	218
20 gal	[illegible]	[illegible]	(8.5)	1.47	x	1.06	x	140	=	218
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
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	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]
	[illegible]	[illegible]	( )		x		x		=	[illegible]

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 944

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project Location: Woodstock
Sample #: 343910 70 ~~42~~ 43
Project #: 86.58
Well ID: MW-11db 52'-92'

Elevation Data

Date: 7/2/91 Time: 4:00
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	9.93'	+ –	= 9.93'
Bottom of Well		+	=

Water Column Height: 40' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 60 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat tape
Comments:
Sampler: JF
Weather: Clear 80s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 8:30
Stop Time: 9:00
Total Time Purged: 30 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 60 gal (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/3/91 Time: 9:17 Sampler: JF
Approx. sample depth: 30' (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other: _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # / Filter ID # /
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	H
P	1	Acid
P	1	Nitric
P	1	Filter Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ Instrument ID# _____

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1			( )	x		x		=	
Well Volume 2			( )	x		x		=	
Well Volume 3			( )	x		x		=	
Final			( )	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 442

Replicate Field Data Sheet

Client/Project Name: Liremaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Sample #: 3439107035-43
Well ID: MW-11dd

FUSS&O'NEILL
Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
35 gal	8.62	10.0	( )	1.41	x	0.99	x	151	=	211
40 gal	8.53	10.1	( )	1.41	x	0.99	x	148	=	207
45 gal	8.50	10.1	( )	1.41	x	0.99	x	145	=	202
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmen* Field Servic

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock CT	Well ID
Sample #: 3439110705-44	MW-21bb

160-200'

Elevation Data

Date: 7/3/91 Time: 3:43

	Depth (feet)	+ Correction	= True Depth
Water Level	0'	+ –	= 0'
Bottom of Well		+	=

Well Diameter (inches): 6"

Water Column Height: 40' (feet)

gal/foot x 3 factor: x 1.6

Volume to be Purged: 60 (gal)

Measuring Point: TPS / PVC

Measuring Device ID#: 1000' Flat Tape

Comments:

Sampler: OF

Weather: Clear 70s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Is well plumb?: Y / N

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Lock: Good / Broken / None

Well # Visible?: Y / N

Rust around Cap: Y / N

Well Cap: Good / Broken / None

PVC Riser: Good / Damaged / None

Evidence of rain water between steel and PVC?: Y / N

Concrete collar: OK / Cracked / Leaking / None

Evidence of ponding around well?: Y / N

Other Evidence of: Rodents / Insects / None

Gopher type holes around collar?: Y / N

Curb Box: N / Y (key is: Hex / Pent / Other)

Comments:

Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 12:00

Stop Time: 3:44

Total Time Purged: 3hr 44 min

Pump Rate: _____ (lpm / gpm)

Volume Purged: 60 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladder

Comments: Swab

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/3/91 Time: 3:44 Sampler: OF

Approx. sample depth: _____ (ft) Weather: Clear 70s

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____

Bailer cord: Dedicated / Nondedicated

Filtered in Field?: No / @Well / @Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # _____ Filter ID # _____

Field Decon: Bailer / Filter / Tubing / Other _____

Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ See Replicate Data Sheet Instrument ID# _____

pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
		( )	x	x	=

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 444

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-11d6
Sample #: 3439/0705-44
160' -> 200'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.51	10.4	( )	~~0.99~~ 1.33	x	~~1.35~~ 0.99	x	155	=	207
23 gal	8.33	10.9	( )	1.37	x	0.99	x	150	=	203
24 gal	8.32	11.2	( )	1.37	x	0.99	x	150	=	203
26 gal	8.31	10.3	( )	1.39	x	0.99	x	148	=	204
36 gal	8.45	10.7	( )	1.39	x	0.99	x	150	=	206
42 gal	8.42	10.8	( )	1.33	x	0.99	x	150	=	198
60 gal	8.50	10.5	( )	1.39	x	0.99	x	150	=	206
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 445

Monitoring Well Field Data Sheet

FUSS&O'NEIL Environmen Field Servic

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-11db
Sample #: 3139/1226-17
52-92'

Elevation Data

Date: 12/26/91 Time: 10:30
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	4.21'	+ 0.46'	= 4.67'
Bottom of Well	not measured	+	=

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Tape
Weather: sunny, 20s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ ____

Purge Data

Start Time: 12:20
Stop Time: 12:32
Total Time Purged: 12 min.
Pump Rate: ~5 (lpm / gpm)
Volume Purged: 67 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / Submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/26/91 Time: 12:45 Sampler: MJB
Approx. sample depth: 60' (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other ____
Appearance: Cloudy, brown, no odor

Container	Quantity	Preservative
voa vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: ____ Instrument ID#: ____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 946

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, Ct
Sample #: 3159/1226-17
Well ID: MW-11d
52-92'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.90	9.1	(9.1)	1.45	x	1.06	x	145	=	223
40 gal	8.60	9.0	(9.0)	1.45	x	1.06	x	140	=	215
60 gal	8.67	9.0	(9.0)	1.45	x	1.06	x	139	=	214
65 gal	8.62	9.0	(9.0)	1.45	x	1.06	x	140	=	215
66 gal	8.57	8.6	(8.6)	1.47	x	1.06	x	139	=	216
67 gal	8.58	8.6	(8.6)	1.47	x	1.06	x	139	=	216
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002447

Monitoring Well Field Data Sheet

FUSS&O'NEIL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 312971226-19	MW-11d

160-200'

Elevation Data

Date: 12/26/91 Time: 10:30 Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	4.21'	+ 0.46'	= 4.67'
Bottom of Well	not measured	+	=

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: Tape Weather: Sunny, 30s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other ____

Purge Data

Start Time: 1400
Stop Time: 1440
Total Time Purged: 40 min.
Pump Rate: ~1.0 (lpm / gpm)
Volume Purged: 40 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / Submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/26/91 Time: 1445 Sampler: MJR
Approx. sample depth: 160 (ft) Weather: Sunny 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # ____ Filter ID # ____
Field Decon: Bailer / Filter / Tubing / Other ____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic - l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		( ) x x =	

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ADMINISTRATIVE RECORD

LIN002 8 h h

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-1/DS
Sample #: 3139112 19
160-200'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.80	9.2	(9.2)	1.44	x	1.06	x	139	=	212
40 gal	8.65	8.6	(8.6)	1.47	x	1.06	x	140	=	218
40.5 gal. dry			( )		x		x		=	
1st recharge			( )		x		x		=	
5 min. still			( )		x		x		=	
dry			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 449

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environment Field Servic

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313901205-12	MW-12T

Elevation Data

Date: 12/3/90 Time: 1424 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.80'	+ 1.20'	= 4.60'
Bottom of Well	17.85'	+ 0.47'	= 18.32'

Water Column Height: 14 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 7 (gal)

Measuring Point: TPS / PVC Sampler: MTB
Measuring Device ID#: Chalked Tape Weather: cloudy, 40s
Comments: 0 ppm HNU

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1445
Stop Time: 1455
Total Time Purged: 10 min.
Pump Rate: (lpm / gpm)
Volume Purged: 7 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/5/90 Time: 1500 Sampler: MTB
Approx. sample depth: 17 (ft) Weather: sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # Filter ID #
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
40ml vial	3	HCl
plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 Instrument ID# 3

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.45	11.5	(11.5) 1.35	x	1.06	x	405	=	580

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 459

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Lingmaster
Project #: 56-55
Project Location: Woodstock, ct
Well ID: MW-12S
Sample #: 31390-1205-12

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 | Instrument ID# 3

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2 gal	6.66	10.8	(10.8)	1.37	x	1.06	x	400	=	581
4 gal	6.43	11.7	(11.7)	1.33	x	1.06	x	420	=	592
6 gal	6.47	11.3	(11.4)	1.35	x	1.06	x	410	=	587
7 gal	6.45	11.5	(11.5)	1.35	x	1.06	x	405	=	580
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002451

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-12T
Sample #: 3139007 24-15

Elevation Data

Date: 7/24/90 Time: 1405
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.00'	+ 0.52'	= 5.52'
Bottom of Well	17.80'	+ 0.52'	= 18.32'

Water Column Height: 13 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 6½ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MSR
Weather: cloudy, rain, 80s
Comments: Unable to use chalked tape due to heavy rain
OVM=.0 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well? Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 15:07
Stop Time: 15:20
Total Time Purged: 13 mins
Pump Rate: — (lpm / gpm)
Volume Purged: 6½ (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/24/90 Time: 1526 Sampler: JLR
Approx. sample depth: 12 (ft) Weather: cloudy, 60's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method ~~of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: cloudy; silty grey brown, no odor

Container	Quantity	Preservative
40 ml V	3	I/H
1 l P	1	I/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 4 — Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.46	12.6	(13.5) 1.28	x	1.04	x	360	=	479
Well Volume 2	6.45	12.3	(13.3) 1.28	x	1.04	x	380	=	493
Well Volume 3	6.44	11.9	(12.5) 1.32	x	1.04	x	370	=	508
Final	6.62	12.6	(14.0) 1.27	x	1.04	x	330	=	436

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 452

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390724-17	MW-12t (dup)

Elevation Data

Date: 7/24/90 Time: 1405 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.00	+ 0.52	= 5.52
Bottom of Well	17.80	+ 0.32	= 18.32

Water Column Height: 13 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 6 1/2 (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: tape Weather: cloudy, rain, 80's
Comments: unable to use chalked steel tape due to heavy rain
OVM = 0 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well? Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y N
Curb Box N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 15:07
Stop Time: 15:20
Total Time Purged: 13 mins
Pump Rate: — (lpm / gpm)
Volume Purged: 6 1/2 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/24/90 Time: 1526 Sampler: JLR
Approx. sample depth: 12 (ft) Weather:
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: cloudy, silty grey brown, no odor

Container	Quantity	Preservative
40 ml V	3	I/HCl
1 l P	1	I/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 4 Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.45	12.6	(13.5)	1.28	x	1.04	x	360	=	479
Well Volume 2	6.45	12.3	(13.3)	1.28	x	1.04	x	370	=	493
Well Volume 3	6.44	11.9	(12.5)	1.32	x	1.04	x	370	=	508
Final	6.51	12.5	(13.4)	1.28	x	1.04	x	350	=	

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ADMINISTRATIVE RECORD

LIN002 453

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK, CT.	Well ID
Sample #: ~~35~~ 351920421-14	MW-12+

Elevation Data

Date: 4/22/92 Time: 1304 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	3.84	+ 0.41	= 4.25
Bottom of Well	17.04	+ 0.41	= 17.45

Water Column Height: 13.20 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 6.5 (gal)

Measuring Point: TPS / PVC Sampler: MRC
Measuring Device ID#: Tape Weather: cloudy 60s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1310
Stop Time: 1324
Total Time Purged: 14 min
Pump Rate: ——— (lpm / gpm)
Volume Purged: 6.5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/22/92 Time: 1327 Sampler: MRC
Approx. sample depth: 16 (ft) Weather: cloudy 60s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other

Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 3 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty, amber, cloudy no odor

Container	Quantity	Preservative
VOA	3	HCl
plastic l	1	F/HNO3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1			( )		x		x		=	
Well Volume 2			( )		x		x		=	
Well Volume 3			( )		x		x		=	
Final			( )		x		x		=	

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LIN002454

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK CT.	**Well ID**
Sample #: 351920421 - 14	MW-12T

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 — Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2 gal	6.15	7.6°	(7.6°) 1.51	x	1.06	x	600	=	960
4 gal	5.97	8.0°	(8.0) 1.49	x	1.06	x	600	=	948
6.5 gal	5.98	7.5°	(7.5) 1.52	x	1.06	x	600	=	967
11	5.91	7.6°	(7.6) 1.51	x	1.06	x	600	=	960
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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ADMINISTRATIVE RECORD

LIN002455

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP.
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: MW-12T
Sample #: 401920520-02

Elevation Data

Date: 5/20/92 Time: 9:28

	Depth (feet)	+ Correction	= True Depth
Water Level	4.45	+ .5	= 4.95
Bottom of Well	17.23	+ .5	= 17.73

Well Diameter (inches): _____
Water Column Height: 12.28 (feet)
gal/foot x 3 factor: x .5
Volume to be Purged: 6.14 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: tape
Sampler: SJR
Weather: Sun 70s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 10:35
Stop Time: 10:45
Total Time Purged: 10 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 6.5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 5/20/92 Time: 10:48 Sampler: SJR
Approx. sample depth: 16 (ft) Weather: Sunny
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
Plastic 1L	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

Instrument ID#

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 459

Field Parameter Data Sheet

Client/Project Name: LINEMASTER SWITCH CORP. Project #: 86-88

Project Location: WOODSTOCK, CT

Sample #: 401920520-02

Well ID: MW12T

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 Instrument ID# 1

	pH	Temp.	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
after 1st well vol.	6.02	8.7	(8.7)	1.47	x	1.02	x	550	=	825
after 2nd well vol.	5.99	8.7	(8.7)	1.47	x	1.02	x	550	=	825
after 3rd well vol.	6.01	8.8	(8.8)	1.45	x	1.02	x	550	=	813
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 457

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: 31390072 4-14	MW-12Sb

Elevation Data

Date: 7/24/90 Time: 1336 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	8.20	+ 1.41'	= 6.79
Bottom of Well	35.92'	+ 0.0	= 35.92'

Water Column Height: 29 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 14 1/2 (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: chalked tape Weather: cloudy, rain, 80s
Comments: OVM = 0 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1255
Stop Time: 1335
Total Time Purged: 40 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 14 1/2 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/24/90 Time: 1345 Sampler: MJB
Approx. sample depth: 35 (ft) Weather: cloudy, rain
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
40 ml V	3	H/I
1 Pl	1	N/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 6 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	7.45	12.1	(12.1)	1.33	x	1.03	x	255	=	349
Well Volume 2	7.88	10.4	(11.0)	1.37	x	1.03	x	280	=	395
Well Volume 3	7.68	10.3	(10.9)	1.37	x	1.03	x	320	=	452
Final	7.67	10.1	(10.3)	1.40	x	1.03	x	300	=	433

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 5 4

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Project #: 86-88
Well ID: MW-12sb
Sample #: 31390 1205 -1

Elevation Data

Date: 12/3/90 Time: 1412
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	7.00'	+ 1.02'	= 5.98'
Bottom of Well	35.45	+ .47	= 35.92

Water Column Height: 30 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 15 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: cloudy, 40s
Comments: 0 ppm HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace~~ / Other _____

Purge Data

Start Time: 14:43
Stop Time: 15:13
Total Time Purged: 30 min
Pump Rate: — (lpm / gpm)
Volume Purged: 15 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/5/90 Time: 15:20 Sampler: ACA
Approx. sample depth: 33 (ft) Weather: SAME 30°
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3

Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: CLEAR NO ODOR

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 Instrument ID# 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.93	9.9	(9.9) 1.41	x	1.03	x	280	=	407

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 659

Replicate Field Data Sheet

FUSS&O'NEILL
Environmen
Field Servic.

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock CT
Well ID: MW-125b
Sample #: 313901205-11

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# S Instrument ID# S

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5 gal	6.85	9.9	(9.9)	1.41	x	1.03	x	280	=	407
10 gal	7.52	9.1	(9.1)	1.45	x	1.03	x	280	=	418
15 gal	7.75	9.9	(9.9)	1.41	x	1.03	x	290	=	407
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0459

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK, CT.	Well ID
Sample #: 351920421-15	MW-12SB

Elevation Data

Date: 4/22/92 Time: 1254 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	4.85	+ 0.41	= 5.26
Bottom of Well	34.95	+ 0.41	= 35.36

Water Column Height: 29.30.10 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 15 (gal)

Measuring Point: TPS / PVC Sampler: MRC
Measuring Device ID#: Tape Weather: cloudy 60s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments: Requires 1¼" Bailer
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1333
Stop Time: 1434
Total Time Purged: 60 min
Pump Rate: — (lpm / gpm)
Volume Purged: 15 gal (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/22/92 Time: 1436 Sampler: MRC
Approx. sample depth: 30 (ft) Weather: rain 60s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 3 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, silty, slight odor

Container	Quantity	Preservative
VOA	3	HCL
Plastic 1	1	Filtered
plastic 1	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1			( )		x		x		=	
Well Volume 2			( )		x		x		=	
Well Volume 3			( )		x		x		=	
Final			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0491

Field Parameter Data Sheet

FUSS&O'NEILL
Environme[illegible]
Field Servi[illegible]

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK, CT.	Well ID
Sample #: 35192O421-15	MW-12 50

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5 gal	7.0	12.3°	(12.3) 1.32	x	1.06	x	290	=	406
10 gal	7.56	11.7°	(11.7) 1.34	x	1.06	x	290	=	412
15 gal	7.~~80~~63	~~12.1~~ 10.9	(~~13.1~~ 10.9) 1.37	x	1.06	x	~~300~~ 280	=	407
	7.46	10.5	( ) 1.39	x	1.06	x	280	=	413
	7.46	11.1	( ) 1.37	x		x	280	=	407
	7.45	11.5	( ) 1.35	x		x	280	=	401
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0024962

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER SWITCH
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 401920520-01
Well ID: MW-12sb

Elevation Data

Date: 5/20/92 Time: 9:27 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.48	+ .50	= 5.98
Bottom of Well	35.42	+ .50	= 35.92

Water Column Height: 29.92 (feet)
gal/foot x 3 factor: x .5
Volume to be Purged: 14.97 (gal)

Measuring Point: TPS / PVC Sampler: JR
Measuring Device ID#: tape Weather: Sun 70
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None Bent
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: Bailed with 1.25" bailer
~~Curb Box Gasket: OK / Replace / Other~~
PVC is Bent 3 Ft. down
Narrow 2" may fit

Purge Data

Start Time: ~~9:36~~ 9:45
Stop Time: 10:25
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: 15 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 5/20/92 Time: 10:29 Sampler: JR
Approx. sample depth: 32 (ft) Weather: Sun
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
Plastic 1L	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

Instrument ID#

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 463

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP.	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 401920520-01	MW-12sb

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
after 5 gal	7.20	9.90	(9.9)	1.41	x	1.02	x	600	=	863
10 gal	7.12	9.8	(9.8)	1.41	x	1.02	x	320	=	460
15 gal	7.10	9.9	(9.8)	1.41	x	1.02	x	310	=	446
			( )		x		x		=	
			( )		x		x		=	
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LIN002 4 6 4

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER | Project #: 06-88
Project Location: WOODSTOCK, CT | Well ID
Sample #: 1129100711-04 | MW-12b (45-65)

Elevation Data

Date: 7-11-90 Time: 1510 | Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	39.6	+ -1.5	= 38.1
Bottom of Well	202.6	+ -.3	= 202.3

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC | Sampler: STD
Measuring Device ID#: 1 | Weather: SUNNY, CLEAR
Comments: PACKED OFF ZONE = 20 ft x .15 gal/ft = 3 gal
SAMPLING PIPE 45-38 = 7 x .15 = 1 gal | WELL PIPE = 31 gal 3 vol = 10 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair | Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None | Lock: Good / Broken / None
Well # Visible?: Y / N | Rust around Cap: Y / N
Well Cap: Good / Broken / None | PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N | Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N | Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N | Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: | Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1510 | Purge device: Dedicated / Nondedicated
Stop Time: 1610 | Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 60 MIN | Comments: SWABS
Pump Rate: .08 (lpm / gpm) | SWABBED DRY SWITCHED TO BAILER
Volume Purged: 5 (gallons) | Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-11-90 Time: 1610 Sampler: STD
Approx. sample depth: 45-65 (ft) Weather: SUNNY, CLEAR
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: BROWN - COLORED

Container	Quantity	Preservative
EPA VIAL 40 ml	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

	pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
FINAL	7.98	11.6	(11.6) 1.35 x 1 x 213 =	288

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ADMINISTRATIVE RECORD

LIN002 455

Replicate Field Data Sheet

FUSS&O'NEILL
Environmen
Field Servic.

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900711-04	MW-12b (45-65)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2									Instrument ID#	4
GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
1	8.01	12.0	(12.0)	1.33	x	1	x	220	=	293
2	7.98	11.8	(11.8)	1.33	x	1	x	218	=	290
3	7.82	11.8	(11.8)	1.33	x	1	x	215	=	286
4	7.98	11.6	(11.6)	1.35	x	1	x	212	=	286
4.5	7.97	11.3	(11.3)	1.34	x	1	x	212	=	284
5	7.98	11.6	(11.6)	1.35	x	1	x	213	=	288
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 499

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-12DB
Sample #: 3/13 90-12/18-10
45-65'

Elevation Data

Date: 12/3/90 Time: 1429

	Depth (feet)	+ Correction	= True Depth
Water Level	33.50'	+ 2.44'	= 31.36'
Bottom of Well		+	=

Well Diameter (inches): 6"
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 100 (gal)

Measuring Point: TPS/ PVC
Measuring Device ID#: chalked Tape
Sampler: MJB
Weather: Cloudy, 40s
Comments: 0 ppm on HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: ——
Stop Time: ——
Total Time Purged: ——
Pump Rate: ——(lpm / gpm)
Volume Purged: 10 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: packer/swab
final few gallons purged with bailer
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/18/90 Time: 1440 Sampler: MJB
Approx. sample depth: 60 (ft) Weather: cloudy, rain, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 — Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.18	10.0	(10.0) 1.41	x	1.03	x	250	=	363

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LIN002 497

Replicate Field Data Sheet

FUSS&O'NEILL Environme Field Servi

Client/Project Name: Linemaster | Project #: 86-88

Project Location: Woodstock, CT | Well ID

Sample #: 313907218-10 | MW-12 DB 45-65'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	6.14	9.9	(9.9)	1.41	x	1.03	x	250	=	363
bailer	6.22	9.7	(9.7)	1.42	x	1.03	x	250	=	366
↓	6.21	10.1	(10.1)	1.41	x	1.03	x	250	=	363
↓	6.18	10.0	(10.0)	1.41	x	1.03	x	250	=	363
DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 4 6 8

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-08
Project Location: WOODSTOCK, CT	Well ID
Sample #: 19290711-03	MW-12b (85-105)

Elevation Data

Date: 7-11-90 Time: 1330 Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	51	+ -1	= 50
Bottom of Well	202.6	+ -.3	= 202.3

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: (TPS) / PVC Sampler: JTO
Measuring Device ID#: 1 Weather: SUNNY, CLEAR
Comments: PACKER OUT ZONE = 3 ft x 1.5 gal/ft = 30 gal
SAMPLING PIPE 85-50 = 35 ft x .15 gal/ft = 5 gal | VOL/PIPE = 35 gal | 3 PACKER VOL = 10 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? (Y) / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1330
Stop Time: 1430
Total Time Purged: 60 min
Pump Rate: 1.6 (lpm / gpm)
Volume Purged: 98 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAB
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-11-90 Time: 1430 Sampler: JTO
Approx. sample depth: 85-105 (ft) Weather: SUNNY, CLEAR
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
EPA VIAL 40 ml	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
FINAL	8.01	12.2	(12.2) 1.33	x	1	x	220	=	293

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Replicate Field Data Sheet

FUSS&O'NEILL
Environmen
Field Servic

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 19210071 -03	MW-12db (85-105)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20	7.83	12.3	(12.3)	1.32	x	1	x	230	=	304
30	7.82	11.5	(11.5)	1.35	x	1	x	220	=	297
40	8.03	11.9	(11.9)	1.33	x	1	x	221	=	294
50	8.02	11.3	(11.3)	1.36	x	1	x	220	=	299
60	7.86	11.6	(11.6)	1.35	x	1	x	220	=	297
70	7.89	11.9	(11.9)	1.33	x	1	x	220	=	293
80	8.06	11.9	(11.9)	1.33	x	1	x	220	=	293
90	8.08	12.2	(12.2)	1.33	x	1	x	220	=	293
98	8.01	12.2	(12.2)	1.33	x	1	x	220	=	293
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LIN002
0179

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Line master
Project Location: Woodstock, CT
Sample #: 3139012 18-09
Project #: 86-88
Well ID: MW-12 DB
85-105'

Elevation Data

Date: 12/3/90 Time: 1429
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	33.80'	- 2.41'	= 31.39'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 115 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: chalk line tape
Sampler: MJB
Weather: cloudy, 40s
Comments: 0 ppm on HNu DTW - 31.44' w/packer

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well? Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: —
Stop Time: —
Total Time Purged: —
Pump Rate: _____ (lpm / gpm)
Volume Purged: 30 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: packer/swab
final: two gallons purged with bailer
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/18/90 Time: 1345 Sampler: MJB
Approx. sample depth: 100 (ft) Weather: cloudy, rain, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
voa vial	3	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.23	10.0	(10.0) 1.41	x	1.03	x	255	=	370

Instrument ID# 2

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LIN002 4 1 1

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Serv

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, Ct	Well ID
Sample #: 31390218-09	MW-12DB
	85-105'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	6.05	9.9	(9.9)	1.41	x	1.03	x	260	=	378
bailer	6.21	9.9	(9.9)	1.41	x	1.03	x	251	=	364
↓	6.24	10.0	(10.0)	1.41	x	1.03	x	255	=	370
↓	6.23	10.0	(10.0)	1.41	x	1.03	x	255	=	370
↓	6.23	10.0	(10.0)	1.41	x	1.03	x	255	=	370
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002472

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-00
Project Location: WOODSTOCK, CT
Well ID: MW-12D (135-155)
Sample #: 112900711-02

Elevation Data

Date: 7-11-90 Time: 1200
Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	50.5	+ -.5	= 50
Bottom of Well	202.6	+ -.3	= 202.3

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: TPS PVC
Sampler: STD
Measuring Device ID#: 1
Weather: SUNNY, CLEAR
Comments: PACKED OFF ZONE = 20 ft x 1.5 gal/ft = 30 gal
DEDOLING PIPE 135 - 50 = 85 ft x 1.5 gal/ft = 13 gal TOTAL PURGE = 43 gal 3 PACKER VOL = 70

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments:

Purge Data

Start Time: 1200
Stop Time: 1300
Total Time Purged: 60 MIN
Pump Rate: .83 (lpm / gpm)
Volume Purged: 50 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAB
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-11-90 Time: _____ Sampler: STD
Approx. sample depth: 135-155 (ft) Weather: SUNNY, CLEAR
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: BROWN COLORED

Container	Quantity	Preservative
EPA VIAL 40 ml	3	3W HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
FINAL	7.90	12.1	(12.1) 1.33	x 1	x 225	=	299

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 4713

Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 06-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900711-02	MW-12db (J35-15s)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10	7.79	15.7	(15.7)	1.22	x	1	x	231	=	282
20	7.83	12.5	(12.5)	1.32	x	1	x	230	=	304
30	7.64	12.0	(12.0)	1.33	x	1	x	226	=	301
40	7.93	11.7	(11.7)	1.34	x	1	x	228	=	306
50	7.90	12.1	(12.1)	1.33	x	1	x	225	=	299
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN0024774

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-12DS
Sample #: 3139612 18-07-8
135'-155'

Elevation Data

Date: 12/3/90 Time: 1429
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	33.80'	- 2.44'	= 31.36'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 140 (gal)

Measuring Point: TPS / PVC
Sampler: WJB
Measuring Device ID#: Chalked Tape
Weather: cloudy, 40s
Comments: 0 ppm on HW - OTW: 28.80 w/packer

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: ——
Stop Time: ——
Total Time Purged: ——
Pump Rate: ——— (lpm / gpm)
Volume Purged: 150 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: packer/swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/18/90 Time: 12:50 Sampler: WJB
Approx. sample depth: 140 (ft) Weather: cloudy, rain, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4.63	10.0	(10.0) 1.41	x	1.03	x	275	=	299

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LIN002 415

Replicate Field Data Sheet

FUSS&O'NEILL
Environmer
Field Servi

Client/Project Name: Cinemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-12DB 135-155'
Sample #: 8139012218-07

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	6.44	9.2	(9.2)	1.44	x	1.03	x	230	=	341
	6.93	9.6	(9.2)	1.44	x	1.03	x	270	=	400
	6.53	10.2	(10.2)	1.40	x	1.03	x	270	=	389
	6.53	10.0	(10.0)	1.41	x	1.03	x	271	=	394
	6.64	10.0	(10.0)	1.41	x	1.03	x	275	=	399
	6.63	10.0	(10.0)	1.41	x	1.03	x	275	=	399
	6.57	9.9	(9.9)	1.41	x	1.03	x	275	=	399
150 gal	6.63	10.0	(10.0)	1.41	x	1.03	x	275	=	399
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LIN002 4 1 5

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 192900141-01
Well ID: MW-12b (160-200)

Elevation Data

Date: 7-11-90 Time: 1100
Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	37.43	+ -4.5	= 35.93
Bottom of Well	202.6	+ -.3	= 202.3

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: (gal)

Measuring Point: TP8 / PVC
Sampler: JTD
Measuring Device ID#: 1
Weather: SUNNY, CLEAR
Comments: PACKER OFF ZONE = 40 ft x .15 gal/ft = 6 gal
SAMPLING PIPE 16' = 36 = 124 x .15 gal/ft = 19 gal 1 WELL VOL = 79 gal 3 WELL VOL = 180 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1000
Stop Time: 1100
Total Time Purged: 60 min
Pump Rate: .83 (lpm / gpm)
Volume Purged: 50 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAB USED SWAB FIRST THEN BAILER (DEDICATED)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-11-90 Time: 1100 Sampler: JTD
Approx. sample depth: 160-200 (ft) Weather: SUNNY, CLEAR
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: BROWN COLORED

Container	Quantity	Preservative
EPA VIAL 40 ml	3	3N HCL
PLASTIC 1000ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
FINAL	7.81	11.4	(11.4) 1.35	x	1	x	229	=	309

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 477

Replicate Field Data Sheet

FUSS&O'NEILL Environme Field Servi...s

Client/Project Name: LINEMASTER	Project #: 86-38
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900711-D1	MW-12db (160-200)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 — Instrument ID# 4

GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
30	7.31	12.8	(12.8)	1.30	x	1	x	239	=	311
40	7.57	14.2	(14.2)	1.27	x	1	x	246	=	312
50	7.81	11.4	(11.4)	1.35	x	1	x	229	=	309
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 9 1 8

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-82
Project Location: Woodstock, CT
Well ID: MW-12DR
Sample #: 31390 1218-06 - 08 Duplicate
140-200'

Elevation Data

Date: 12/3/90 Time: 1429
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	33.80'	+ 2.44'	= 31.36'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 246 (gal)

Measuring Point: (TPS) / PVC
Measuring Device ID#: chalked Tape
Sampler: MJB
Weather: cloudy, 40s
Comments: 0 ppm on HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Well # Visible?: (Y) / N
Well Cap: (Good) / Broken / None
Evidence of rain water between steel and PVC?: Y / (N)
Evidence of ponding around well?: (Y) / N
Gopher type holes around collar?: Y / (N)
Comments:

Is well plumb? (Y) / N
Lock: (Good) / Broken / None
Rust around Cap: (Y) / N
PVC Riser: Good / Damaged / (None)
Concrete collar: OK / Cracked / Leaking / (None)
Other Evidence of: Rodents / Insects / (None)
Curb Box: (N) / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: —
Stop Time: —
Total Time Purged: —
Pump Rate: — (lpm / gpm)
Volume Purged: 25 (gallons)

Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments: Packer/Swab
Final Few gallons purged with bailer
Well Yield: High / Moderate / (Low / Dry)

Sample Data

Date: 12/5/90 Time: 11:00 Sampler: MJB
Approx. sample depth: 190 (ft) Weather: cloudy, rain, 50s
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field?: No / @Well / (@Vehicle)
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 4 Filter ID # 5
Field Decon: Bailer / (Filter / Tubing) / Other _____
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	as is
Plastic-l	1	HNO_3
plastic-l	1	F/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.34	9.7	(9.7) 1.42	x	1.03	x	272	=	398

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 479

Replicate Field Data Sheet

FUSS&O'NEILL
Environme
Field Serv.

Client/Project Name: Lynemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313 9012-18-06 MW-2 D8
- 08 Duplicate

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

	Instrument ID# 9									Instrument ID# 2
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Swab	6.71	9.7	(9.7)	1.42	x	1.03	x	230	=	336
bailer	6.71	9.7	(9.7)	1.42	x	1.03	x	265	=	388
	6.75	9.9	(9.9)	1.41	x	1.03	x	275	=	399
	6.99	10.0	(10.0)	1.41	x	1.03	x	270	=	392
	7.30	10.1	(10.1)	1.41	x	1.03	x	275	=	399
	7.35	9.8	(9.8)	1.42	x	1.03	x	272	=	398
	7.34	9.7	(9.7)	1.42	x	1.03	x	273	=	395
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0848

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 192900712-05
Well ID: MW-B15-(60-80)

Elevation Data

Date: 7-12-90 Time: 1200
Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	61.3	+ -1.3	= 60
Bottom of Well	TAPE NOT	+LONG ENOUGH	

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: TOS/PVC
Sampler: JD
Measuring Device ID#:
Weather: RAINING
Comments: PACKED OFF ZONE 20ft x 1.5 1/ft = 30 gal
SAMPLING DEPTH 60-80=0
vol = 30 gal 3vol = 45 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1200
Stop Time: 1335
Total Time Purged: 95
Pump Rate: .26 (lpm / gpm)
Volume Purged: 25 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAB
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-12-90 Time: 1335 Sampler: JD
Approx. sample depth: 60-80 (ft) Weather: RAINING
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: BROWN COLORED

Container	Quantity	Preservative
EPA VAL 40 ml	2	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
FINAL	6.22	12.0	(12.0) 1.33	x	1	x	58	=	77

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1484

Replicate Field Data Sheet

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID
Sample #: 192900712-05
MW-13b (60-80)

FUSS&O'NEILL
Environme
Field Servi

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

CALI ONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4	6.02	11.0	(11.0)	1.37	x	1	x	70	=	96
6	6.03	10.9	(10.9)	1.37	x	1	x	70	=	96
8	5.90	10.9	(10.9)	1.37	x	1	x	65	=	89
10	5.68	10.6	(10.6)	1.39	x	1	x	60	=	83
12	5.81	10.9	(10.9)	1.37	x	1	x	80	=	110
14	6.33	12.0	(12.0)	1.33	x	1	x	61	=	81
16	6.23	11.8	(11.8)	1.34	x	1	x	60	=	80
18	6.22	11.9	(11.9)	1.33	x	1	x	59	=	79
20	6.24	12.0	(12.0)	1.33	x	1	x	59	=	79
22	6.23	12.0	(12.0)	1.33	x	1	x	58	=	77
25	6.22	12.0	(12.0)	1.33	x	1	x	58	=	77
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 2 8 4

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-13DB
Sample #: 31390-1219-16
60-80'

Elevation Data

Date: 12/3/90 Time: 12:50
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	55.30'	- 1.36'	= 53.94
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 93 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: cloudy, 40s
Comments: 0 ppm in HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: —
Stop Time: —
Total Time Purged: —
Pump Rate: — (lpm / gpm)
Volume Purged: 25 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: packer/sub
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/19/90 Time: 1330 Sampler: MJB
Approx. sample depth: 70' (ft) Weather: p. sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other packer
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO_3
Plastic-l	1	f/HNO_3
Plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.64	9.4	(9.4) 1.44	x	1.02	x	50	=	73

Instrument ID# 1

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ADMINISTRATIVE RECORD

LIN002 4083

Replicate Field Data Sheet

FUSS&O'NEILL
Environmer
Field Servi

Client/Project Name: Linemaster
Project #: 86-89
Project Location: Woodstock, CT
Well ID: MW-13DB 60-80'
Sample#: 213901219-16

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	6.56	9.2	(9.2)	1.48	x	1.02	x	55	=	81
	6.62	9.6	(9.6)	1.43	x	1.02	x	52	=	76
	6.56	9.6	(9.6)	1.43	x	1.02	x	51	=	74
	6.56	9.6	(9.6)	1.43	x	1.02	x	51	=	74
	6.50	9.8	(9.8)	1.42	x	1.02	x	51	=	74
	6.68	9.5	(9.5)	1.43	x	1.02	x	51	=	74
	6.63	9.4	(9.4)	1.49	x	1.02	x	50	=	73
25 gal	6.64	9.4	(9.4)	1.44	x	1.02	x	50	=	73
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 484

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: MW-13db (160-180)
Sample #: 192900712-04

Elevation Data

Date: 7-12-90 Time: 1005
Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	61.3	+ -1.3	= 60
Bottom of Well	TAPE NOT LONG ENOUGH		

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: (TPS) / PVC
Sampler: JTO
Measuring Device ID#: 1
Weather: RAINING
Comments: PACKED OFF ZONE 20 ft x 1.5 gal/ft = 30 gal
SAMPLING PIPE 160-60 = 100 x .15 gal/ft = 15 gal VOL LINE = 45 gal 3 PACKER VOL = 90 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb? (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: Good / Damaged / (None)
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: OK / Cracked / Leaking / (None)
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
Curb Box: (N) / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1005
Stop Time: 1115
Total Time Purged: 70
Pump Rate: .29 (lpm / (gpm))
Volume Purged: 20 (gallons)

Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments: SWAB
SWABBED OUT THEN USED BAILER
Well Yield: High / Moderate / Low / (Dry)

Sample Data

Date: 7-12-90 Time: 1115 Sampler: JTO
Approx. sample depth: 160-180 (ft) Weather: RAINING
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field?: (No) / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: BROWN COLORED

Container	Quantity	Preservative
EPA VIAL 40 ml	2	5N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
FINAL	6.10	11.0	(11.0) 1.37	x	1	x	70	=	96

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 9855

Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900712-04	MW-13DS (160-180)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2									Instrument ID#	4
GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
2	7.12	11.5	(11.5)	1.35	x	1	x	180	=		243
4	6.26	10.9	(10.9)	1.37	x	1	x	80	=		110
6	6.16	10.6	(10.6)	1.39	x	1	x	90	=		125
8	6.18	10.7	(10.7)	1.38	x	1	x	100	=		138
10	6.48	10.9	(10.9)	1.37	x	1	x	99	=		136
12	6.57	10.7	(10.7)	1.38	x	1	x	120	=		166
14	6.49	10.7	(10.7)	1.38	x	1	x	120	=		166
16	6.48	10.7	(10.7)	1.38	x	1	x	120	=		166
18	6.35	10.7	(10.7)	1.38	x	1	x	95	=		131
19	6.20	11.0	(11.0)	1.37	x	1	x	78	=		107
20	6.10	11.0	(11.0)	1.37	x	1	x	70	=		96
			( )		x		x		=		
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ADMINISTRATIVE RECORD

LIN002 9 8 5

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-85
Project Location: Woodstock, Ct
Well ID
Sample #: B1390-1279-15
MW-13D8
160-180'

Elevation Data

Date: 12/3/90 Time: 12:50
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	55.30'	+ 1.36'	= 53.94'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 140 (gal)

Measuring Point: TPS / PVC
Sampler: MOB
Measuring Device ID#: Chalked Tape
Weather: Cloudy, 40s
Comments: 0 ppm on HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap? Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: ____
Stop Time: 11:10
Total Time Purged: ____
Pump Rate: ____ (lpm / gpm)
Volume Purged: 25 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer/swab, First gallon purged with bailer.
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/19/90 Time: 11:20 Sampler: MOB
Approx. sample depth: 165 (ft) Weather: 5, sunny, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ____ ~~Filter ID #~~ ____
~~Field Decon: Bailer / Filter / Tubing / Other~~ ____
Appearance: Cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.69	10.0	(10.0) 1.41	x	1.02	x	70	=	101

Instrument ID# 1

Bailer was dropped down well while sampling for the metals container, unable to retrieve bailer, therefore packer system was taken apart, bailer was removed, well was repurged

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1 8 4

Replicate Field Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-13 DB 160-180'
Sample #: 3139[redacted]-15

FUSS&O'NEILL
Environmer
Field Servi

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted] Instrument ID# [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	[redacted]	9.8	(9.8)	1.41	x	1.02	x	110	=	158
dry after	[redacted]	9.8	(9.8)	1.41	x	1.02	x	78	=	112
2nd swab	[redacted]	9.8	(9.7)	1.41	x	1.02	x	75	=	108
bailed final	[redacted]	9.5	(9.8)	1.41	x	1.02	x	80	=	115
gallon	[redacted]	9.8	(9.8)	1.41	x	1.02	x	61	=	88
	[redacted]	9.9	(9.7)	1.41	x	1.02	x	75	=	108
	[redacted]	9.8	(9.8)	1.41	x	1.02	x	72	=	104
25 gal	[redacted]	10.1	(10.1)	1.41	x	1.02	x	70	=	101
DRY			( )		x		x		=	
11:10			( )		x		x		=	
repurge →	[redacted]	10.4	(10.4)	1.39	x	1.02	x	69	=	98
@12:30	[redacted]	9.8	(9.8)	1.41	x	1.02	x	55	=	79
	[redacted]	9.7	(9.7)	1.41	x	1.02	x	55	=	79
	[redacted]	9.6	(9.6)	1.43	x	1.02	x	55	=	80
	[redacted]	9.6	(9.6)	1.43	x	1.02	x	58	=	84
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 4 8 8

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: MW-13b (210-230)
Sample #: 192900712-02 & -03 (DUP)

Elevation Data

Date: 7-12-90 Time: 0805

	Depth (feet)	+ Correction	= True Depth
Water Level	63.8	+1.5	= 62.3
Bottom of Well	TAPE NOT	+LONG ENOUGH	

Well Diameter (inches): 6
Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#:
Sampler: JTD
Weather: RAINING

Comments: PACKED OFF ZONE 20 ft x 1.5 gal/ft = 30 gal
SAMPLING PIPE 210 - 62 = 148 x 1.5 gal/ft = 22 gal Vol PIPE = 52 gal 3 PACKER VOL = 90 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments:

Purge Data

Start Time: 0805
Stop Time: 0930
Total Time Purged: 85
Pump Rate: 1.2 (lpm / gpm)
Volume Purged: 100 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAB
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-12-90 Time: 0930 Sampler: JTD
Approx. sample depth: 210-230 (ft) Weather: RAINING
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: BROWN COLORED

Container	Quantity	Preservative
EPA VIAL 40 ml	2	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

	Instrument ID# 2			Instrument ID# 4
	pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
FINAL	7.13	11.2	(11.2) 1.37 x 1 x 178 =	244

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ADMINISTRATIVE RECORD

LIN002 489

Replicate Field Data Sheet

FUSS&O'NEILL
Environmer
Field Servic

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: MW-13b (210-230)
Sample #: 1929007126-02 & -03 (DUP)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2									Instrument ID#	4
GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
10	6.01	12.5	(12.5)	1.32	x	1	x	80	=		106
20	6.09	11.1	(11.1)	1.37	x	1	x	70	=		96
30	5.82	11.2	(11.2)	1.36	x	1	x	65	=		88
40	5.93	11.1	(11.1)	1.37	x	1	x	69	=		95
45	5.98	11.2	(11.2)	1.36	x	1	x	69	=		94
50	5.91	11.0	(11.0)	1.37	x	1	x	63	=		86
55	6.44	11.4	(11.4)	1.35	x	1	x	85	=		115
60	6.54	11.2	(11.2)	1.36	x	1	x	105	=		143
65	6.67	11.2	(11.2)	1.36	x	1	x	160	=		218
70	6.84	11.1	(11.1)	1.37	x	1	x	170	=		233
75	7.02	11.3	(11.3)	1.36	x	1	x	178	=		242
80	7.11	11.1	(11.1)	1.37	x	1	x	178	=		244
85	7.11	11.3	(11.3)	1.36	x	1	x	179	=		243
90	7.17	11.2	(11.2)	1.36	x	1	x	179	=		243
95	7.14	11.3	(11.3)	1.36	x	1	x	178	=		242
100	7.13	11.2	(11.2)	1.37	x	1	x	178	=		244
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0969

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-13DR
Sample #: 31390121 9-12
210-230'

Elevation Data

Date: 12/3/90 Time: 12:50
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	55.30	- 1.36'	= 53.94'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 160 (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: Cloud, 40s
Comments: 0 ppm on HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
~~Curb Box Gasket: OK / Replace / Other~~
Comments: Lock C-24 put on well

Purge Data

Start Time: —
Stop Time: 10:00
Total Time Purged: —
Pump Rate: — (lpm / gpm)
Volume Purged: 30 (gallons)
Purge device: ~~Dedicated / Nondedicated~~
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/19/90 Time: 10:15 Sampler: MJB
Approx. sample depth: 220 (ft) Weather: Sunny, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ Instrument ID# _____

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.47	9.4	(9.4) 1.43	x	1.02	x	63	=	92

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ADMINISTRATIVE RECORD

LIN002 1 of 1

Replicate Field Data Sheet

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Field Servi

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, Ct	Well ID
Sample #: B13901219-72	MW-13DB 210-230'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: [illegible] — Instrument ID#: 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	6.30	8.0	(8.0)	1.49	x	1.02	x	55	=	84
	6.42	9.4	(9.4)	1.43	x	1.02	x	55	=	80
dry after 3/4 swab	6.45	9.4	(9.4)	1.43	x	1.02	x	55	=	80
	6.49	9.2	(9.2)	1.44	x	1.02	x	57	=	84
30 gal DRY	6.47	9.4	(9.4)	1.43	x	1.02	x	63	=	92
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002492

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sample #: 313900724-12
Well ID: MW-14sb

Elevation Data

Date: 7/24/90 Time: 12:10
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	17.30'	+ 1.95	= 15.35
Bottom of Well	27.12'	+ 0.0	= 27.12

Water Column Height: 12 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: ~~5½~~ 6 (gal)

Measuring Point: TPS (PVC) Sampler: MJB
Measuring Device ID#: Chalked Tape Weather: Cloudy, 80s
Comments:
OVM = 0 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb? (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

urge Data

Start Time: 12:24
Stop Time: 12:35
Total Time Purged: 11 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 6 (gallons)
Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments:
Well Yield: (High) / Moderate / Low / Dry

Sample Data

Date: 7/24/90 Time: 12:40 Sampler: MJB
Approx. sample depth: 26 (ft) Weather: Same
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: (Dedicated) / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ Filter ID #
Field Decon: Bailer / Filter / Tubing / (Other) Tape
Appearance: cloudy, brown no odor

Container	Quantity	Preservative
VOG vial	3	HCl/I
Plastic-1	1	HNO_3/I

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 6 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
ell Volume 1	5.69	11.1	(11.0)	1.37	x	1.03	x	90	=	127
Well Volume 2	5.76	10.7	(10.9)	1.37	x	1.03	x	90	=	127
Well Volume 3	5.82	11.2	(11.0)	1.37	x	1.03	x	90	=	127
Final	5.78	10.8	(10.8)	1.37	x	1.03	x	90	=	127

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LIN002 E 6 4 9 3

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31398 1205-09	MW-7Hsb

Elevation Data

Date: 12/3/90 Time: 11:41 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	9.40'	+ 1.62'	= 7.78
Bottom of Well	26.65'	+ 6.47	= 27.12'

Water Column Height: 19 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 9.5 (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: chalked tape Weather: cloudy, 40s
Comments: 0 ppm HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1325
Stop Time: 1355
Total Time Purged: 15 min
Pump Rate: (lpm / gpm)
Volume Purged: 10 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/5/90 Time: 1340 Sampler: MJB
Approx. sample depth: 25 (ft) Weather: sunny, 70s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # Filter ID #
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
6.44	11.1	(11.1) 1.37	x	1.03	x	55	=	78

Instrument ID# 5

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 494

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-14sb
Sample #: 31390.1205-09

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp °C	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	6.94	9.0	(9.0) 1.45	x	1.03	x	50	=	75
6 gal	6.46	11.0	(11.0) 1.37	x	1.03	x	52	=	73
9 gal	6.43	11.1	(11.1) 1.37	x	1.03	x	55	=	78
10 gal	6.44	11.1	(11.1) 1.37	x	1.03	x	55	=	78
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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pH Temp. probe not operating properly
Temp. reading from S.C. probe on first reading only

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LINEMASTER SWITCH
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LIN002 495

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environment Field Servic

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: MW-14D (40-70)
Sample #: 192900710-03

Elevation Data

Date: 7-10-90 Time: 1300

	Depth (feet)	+ Correction	= True Depth
Water Level	24.3	+ 2	= 22.3
Bottom of Well	203.95	+ -.3	= 203.65

Well Diameter (inches): 6
Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1
Sampler: JTD
Weather: SUNNY, CLEAR

Comments: PACKER OFF ZONE = 30 ft x 1.5 gal/ft = 45 gal
SAMPLING PIPE 40 - 22 = 10 x .15 = 1.2 gal 1 vol of pipe = 57 gal 3 PACKER VOL = 135 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1300
Stop Time: 1415
Total Time Purged: 75
Pump Rate: .4 (lpm / gpm)
Volume Purged: 30 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAB
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-10-90 Time: 1415 Sampler: JTD
Approx. sample depth: 40-70 (ft) Weather: SUNNY, CLEAR
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
EPA VIAL 40 ML	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
FINAL	7.65	11.4	(11.4) 1.35 x 1 x 149 =	201

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 496

Replicate Field Data Sheet

Client/Project Name: LINEMASTER — Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 192900710-03 — Well ID: MW-14db (40-70)

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 — Instrument ID# 4

GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10	7.63	16.0	(16.0)	1.15	x	1	x	161	=	185
20	7.58	15.2	(15.2)	1.24	x	1	x	161	=	200
30	7.65	11.4	(11.4)	1.35	x	1	x	149	=	201
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002497

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Serv

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Sample #: 313901217-03

Project #: 86-88

Well ID
MW-14DB
40-70'

Elevation Data

Date: 12/3/90 Time: 11:48

	Depth (feet)	+ Correction	= True Depth
Water Level	20.90'	+ 1.36'	= 19.54'
Bottom of Well		+	=

Well Diameter (inches): 6"
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 140 (gal)

Measuring Point: PS / PVC
Measuring Device ID#: chalked Tape
Comments:

Sampler: MJB
Weather: cloudy, 40s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb? Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: _____
Stop Time: _____
Total Time Purged: _____
Pump Rate: _____ (lpm / gpm)
Volume Purged: 15 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / swab

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/17/90 Time: 1530 Sampler: MJB
Approx. sample depth: 70' (ft) Weather: p. sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: rust-colored, silty, no odor

Container	Quantity	Preservative
VOC vial	3	HCl
plastic-1	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
8.10	9.2	(9.2) 1.44 x 1.03 x 145 =	215

Instrument ID# 2

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LIN002 8 6 h

Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313 90 1217 - 03	MW-14 DB
	40-70' zone

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	8.12	9.2	(9.2) 1.44	x	1.03	x	151	=	224
	8.18	9.1	(9.1) 1.45	x	1.03	x	140	=	209
	8.10	9.2	(9.2) 1.44	x	1.03	x	145	=	215
15gal-DRY			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002499

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900710-02	MW-14db (80-110)

Elevation Data

Date: 7-10-90 Time: 1150

	Depth (feet)	+ Correction	= True Depth
Water Level	23.6	+ -1.1	= 22.5
Bottom of Well	203.95	+ -.3	= 205.65

Well Diameter (inches): 6

Water Column Height: SEE (feet)

gal/foot x 3 factor: x COMMENTS

Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC

Measuring Device ID#: 1

Sampler: JTD

Weather: SUNNY, CLEAR

Comments: PACKER OFF ZONE 30ft x 1.5 gal/ft = 45 gal
SAMPLING PIPE 80-23 = 57 ft x .15 gal/ft = 9 gal VOL PIPE = 54 gal 3 PACKER VOL = 135 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Well # Visible?: Y / N

Well Cap: Good / Broken / None

Evidence of rain water between steel and PVC?: Y / N

Evidence of ponding around well?: Y / N

Gopher type holes around collar?: Y / N

Comments:

Is well plumb?: Y / N

Lock: Good / Broken / None

Rust around Cap: Y / N

PVC Riser: Good / Damaged / None

Concrete collar: OK / Cracked / Leaking / None

Other Evidence of: Rodents / Insects / None

Curb Box: N / Y (key is: Hex / Pent / Other)

Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1150

Stop Time: 1230

Total Time Purged: 40

Pump Rate: 1.4 (lpm / gpm)

Volume Purged: 55 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladder

Comments: SWAB

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-10-90 Time: 1230 Sampler: JTD

Approx. sample depth: 80-110 (ft) Weather: CLEAR, SUNNY

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____

Bailer cord: Dedicated / Nondedicated

Filtered in Field?: No / @Well / @Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # _____ Filter ID # _____

Field Decon: Bailer / Filter / Tubing / Other _____

Appearance:

Container	Quantity	Preservative
EPA VIAL 40 ml	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
FINAL	7.63	11.7	(11.7) 1.34 x 1 x 166 =	222

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ADMINISTRATIVE RECORD

LIN002 5 0 0

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 192 900710-02
Well ID: MW-14d/b (80-110)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2							Instrument ID#	4
GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity =	Spec. Cond.
20	7.63	14.4	(14.4)	1.26	x	1	x	192 =	242
30	7.60	13.1	(13.1)	1.30	x	1	x	170 =	221
40	7.60	12.5	(12.5)	1.32	x	1	x	165 =	218
55	7.63	11.7	(11.7)	1.34	x	1	x	166 =	222
			( )		x		x	=	
			( )		x		x	=	
			( )		x		x	=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 501

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 1129000710-01	MW-1425 (170-200)

Elevation Data

Date: 7-10-90 Time: 1030 Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	23.9	+ -1.3	= 22.6
Bottom of Well	203.95	+ -.3	= 203.65

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: (TPS) / PVC Sampler: JTD
Measuring Device ID#: 1 Weather: SUNNY, CLEAR
Comments: PACKED OFF ZONE 30ft x 1.5 gal/ft = 45 gal
SAMPLING PIPE 170 - 23 = 147 ft x .15 gal/ft = 22 gal (VOL PIPE 67 gal) 3 PACKER VOL = 135 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb?: (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: Good / Damaged / (None)
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: OK / Cracked / Leaking / (None)
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
Curb Box: (N) / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1030
Stop Time: 1130
Total Time Purged: 60 min
Pump Rate: 2.7 (lpm / (gpm))
Volume Purged: 160 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: (High) / Moderate / Low / Dry

Sample Data

Date: 7-10-90 Time: 1130 Sampler: JTD
Approx. sample depth: 170-200 (ft) Weather: SUNNY, CLEAR
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field? (No) @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
EPA VIAL 40 ml	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
FINAL	7.63	11.3	(11.3) 1.36	x	1	x	176	=	239

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 502

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900710-01	MW-14db (170-201)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

GALLONS	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
30	7.65	13.7	(13.7) 1.27	x	1	x	173	=	220
60	7.65	12.4	(12.4) 1.32	x	1	x	176	=	232
90	7.65	11.7	(11.7) 1.34	x	1	x	176	=	236
120	7.61	11.4	(11.4) 1.35	x	1	x	175	=	236
160	7.63	11.3	(11.3) 1.36	x	1	x	176	=	239
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 503

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servi

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 31390 1217 -02

Well ID
MW-14 DB
80-110' zone

Elevation Data

Date: 12/3/90 Time: 11:48

	Depth (feet)	+ Correction	= True Depth
Water Level	20.90'	- 1.36'	= 19.54'
Bottom of Well		+	=

Well Diameter (inches): 6"
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 120 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: chalked tape
Comments:

Sampler: MJB
Weather: p. sunny 40s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well? Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: —
Stop Time: —
Total Time Purged: —
Pump Rate: — (lpm / gpm)
Volume Purged: 20 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bla... r
Comments: Packer/swab

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/7/90 Time: 1460 Sampler: MJB
Approx. sample depth: 110 (ft) Weather: p. sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: rust-colored, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.99	9.2	(9.2) 1.44	x	1.03	x	165	=	245

Instrument ID# 2

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 504

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-14DB
80-110' zone
Sample #: 31390 1217-02

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	8.21	8.9	(8.9)	1.45	x	1.03	x	195	=	291
	8.17	8.7	(8.7)	1.46	x	1.03	x	185	=	278
	8.25	9.1	(9.1)	1.45	x	1.03	x	180	=	269
	7.99	9.2	(9.2)	1.44	x	1.03	x	165	=	245
20 gal DRY			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 505

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servi

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390.1217-01	HW-14DB

170-200' zone

Elevation Data

Date: 12/3/90 Time: 11:48

	Depth (feet)	+ Correction	= True Depth
Water Level	20.90'	+ 1.36'	= 19.54'
Bottom of Well		+	=

Well Diameter (inches): 6"

Water Column Height: _____ (feet)

gal/foot x 3 factor: x _____

Volume to be Purged: 200 (gal)

Measuring Point: TPS / PVC

Measuring Device ID#: chalked tape

Comments:

Sampler: MJB

Weather: cloudy, 40s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Is well plumb? Y / N

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Lock: Good / Broken / None

Well # Visible?: Y / N

Rust around Cap: Y / N

Well Cap: Good / Broken / None

PVC Riser: Good / Damaged / None

Evidence of rain water between steel and PVC?: Y / N

Concrete collar: OK / Cracked / Leaking / None

Evidence of ponding around well?: Y / N

Other Evidence of: Rodents / Insects / None

Gopher type holes around collar?: Y / N

Curb Box: N / Y (key is: Hex / Pent / Other)

Comments:

~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: —

Stop Time: —

Total Time Purged: —

Pump Rate: — (lpm / gpm)

Volume Purged: 280 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Ble

Comments: packer system/swab

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/17/90 Time: 1215 Sampler: MJB

Approx. sample depth: 100 (ft) Weather: sunny, 30s

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____

Bailer cord: Dedicated / Nondedicated

Filtered in Field?: No / @Well / @Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # 4 Filter ID # 5

Field Decon: Bailer / Filter / Tubing / Other _____

Appearance: rust-colored, silty, no odor

Container	Quantity	Preservative
vom vial	3	HCl
plastic	1	HNO_3
plastic	1	F/HNO_3
plastic	1	ai is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.96	9.5	(9.5) 1.43	x	1.03	x	208	=	295

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 0 6

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-140B
170-200' zone
Sample #: 313901217-01

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

	Instrument ID# 2									Instrument ID# 2
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	7.32	8.6	(8.6)	1.47	x	1.03	x	125	=	189
	7.18	9.3	(9.3)	1.44	x	1.03	x	181	=	268
	7.26	9.7	(9.7)	1.42	x	1.03	x	181	=	265
	7.51	9.9	(9.9)	1.41	x	1.03	x	185	=	269
	7.60	9.6	(9.6)	1.43	x	1.03	x	190	=	280
	7.66	9.6	(9.6)	1.43	x	1.03	x	194	=	286
	7.73	9.8	(9.8)	1.42	x	1.03	x	199	=	291
	7.81	9.8	(9.8)	1.42	x	1.03	x	200	=	293
	7.84	9.5	(9.5)	1.43	x	1.03	x	200	=	293
	7.96	9.4	(9.4)	1.43	x	1.03	x	200	=	295
	7.95	9.6	(9.6)	1.42	x	1.03	x	202	=	295
280 gal	7.96	9.5	(9.5)	1.43	x	1.03	x	200	=	295
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 501

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-15C
Sample #: 313910G11-07

Elevation Data

Date: 6/10/91 Time: 1634
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	62.00	+ 1.65'	= 60.35'
Bottom of Well	136.54'	+ 0.45'	= 136.99'

Water Column Height: 77 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 38.5 (gal)

Measuring Point: TPS / PVC
Sampler: MSB, RFK
Measuring Device ID#: Chalk & S.S. tape
Weather: Sunny, 90's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: Y / N (key is: Hex / Pent / Other) 9/16" wrc
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1430
Stop Time: 1726
Total Time Purged: 176 min
~~Pump Rate:~~ (lpm / gpm)
Volume Purged: 38.5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/21/91 Time: 1330 Sampler: RFK
Approx. sample depth: 130 (ft) Weather:
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy yellowish brown no odor

Container	Quantity	Preservative
VOC vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 Instrument ID# 6

	pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.42	12.8	(13.3) 1.29	x	1.01	x	278	=	362
Well Volume 2	8.43	12.5	(12.8) 1.31	x	1.01	x	260	=	344
Well Volume 3	8.20	12.5	(12.4) 1.32	x	1.01	x	253	=	337
Final	8.22	12.5	(12.4) 1.32	x	1.01	x	249	=	332

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 0 8

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID MW-15E
Sample #: 3139201006-14	

Elevation Data

Date: 1/2/92 Time: 11:20

Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	54.81'	+ 0.41'	= 55.22'
Bottom of Well	142.10'	+ 0.41'	= 142.51'

Water Column Height: ~~87~~ 87 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 43.5 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other) 9/6 w
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 12:36-1300, 1330-1504
Stop Time: 1504
Total Time Purged: 2 hrs.
Pump Rate: — (lpm / gpm)
Volume Purged: 20 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/6/92 Time: 1520 Sampler: MJB
Approx. sample depth: 140 (ft) Weather: cloudy, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID #: 4 Filter ID #: 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, brown, sulphur odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1.	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: Instrument ID#:

pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
see field parameter sheet		( )	x	x	=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 559

Field Parameter Data Sheet

FUSS&O'NEIL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co. Project #: 86-88/21
Project Location: WoodsTock, CT **Well ID** MW-15T
Sample #: 313920106-14

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 Instrument ID# 38

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
1018 gal	8.47	10.0	(10.0)	1.41	x	1.04	x	224	=	328
1830 gal	8.56	10.3	(10.3)	1.40	x	1.04	x	235	=	342
20 ~~435~~ gal	8.58	10.4	(10.4)	1.39	x	1.04	x	210	=	303
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002510

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-15S2
Sample #: 3139106 11-08

Elevation Data

Date: 6/10/91 Time: 1631
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	68.00'	- 2.00'	= 66.00'
Bottom of Well	153.81'	+ 0.45	= 154.26'

Water Column Height: 88 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 44 (gal)

Measuring Point: TPS (PVC)
Sampler: MJB, RFK
Measuring Device ID#: Chalk + S.S. tape
Weather: Sunny, 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16" wrc
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1430
Stop Time: 1705
Total Time Purged: 155 min
Pump Rate: — (lpm / gpm)
Volume Purged: 44 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/11/91 Time: 1715 Sampler: MJB
Approx. sample depth: 140 (ft) Weather: cloudy, 90s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
voa vial	2	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.04	12.0	(12.1)	1.33	x	1.01	x	220	=	296
Well Volume 2	8.06	12.5	(12.1)	1.30	x	1.01	x	215	=	282
Well Volume 3	8.01	12.2	(12.2)	1.33	x	1.01	x	200	=	267
Final	8.03	12.3	(12.3)	1.33	x	1.01	x	205	=	275

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 1 1

Monitoring Well Field Data Sheet

FUSS&O'NE Environmen Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-15sb
Sample #: 313920106-15

Elevation Data

Date: 1/2/92 Time: 11:30

	Depth (feet)	+ Correction	= True Depth
Water Level	62.52'	+ 0.41'	= 62.93'
Bottom of Well	153.68'	+ 0.41'	= 154.09'

Well Diameter (inches): 2"
Water Column Height: 91 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 46 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other) 7/16
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1005
Stop Time: 1354
Total Time Purged: 4 HRS
Pump Rate: ~~46~~ (lpm / gpm)
Volume Purged: 46 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/6/91 Time: 1355 Sampler: MRC
Approx. sample depth: 150 (ft) Weather: sunny 40
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, no odor

Container	Quantity	Preservative
VOA vial	3 ✓	HCl
Plastic-l	1 ✓	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: —

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond
		( ) x x =	

Instrument ID#: —

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ADMINISTRATIVE RECORD

LIN002 5 1 2

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-15b
Sample #: 3139201-06-15

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	8									Instrument ID#	3
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
15 gal	7.73	10.7°C	(10.7)	1.38	x	1.04	x	220	=		316
30 gal	8.37	9.5°C	(9.5)	1.43	x	1.04	x	210	=		312
46 gal	8.33	9.2°C	(9.2)	1.45	x	1.04	x	200	=		302
	8.15	9.7°C	(9.7)	1.42	x	1.04	x	200	=		295
	8.17	9.2	(9.2)	1.45	x	1.04	x	200	=		302
	8.18	9.6	(9.6)	1.43	x	1.04	x	200	=		297
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 513

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmentr Field Service

Client/Project Name: Linemaster Switch
Project Location: Woodstock CT
Sample #: 3W1391 0621-40 09

Project #: 86-8P(21)
Well ID: MW-15d6

155-255

Elevation Data

Date: 6/21/91 Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	67.65	+ —	= 67.65
Bottom of Well	NA	+	=

Well Diameter (inches): 6"
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Flat Tape 1000'
Sampler: DF
Weather: Clear 90,

Comments:
Well Colapsed @ ~300'

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: ~~[illegible]~~ 12:27
Stop Time: 15:40
Total Time Purged: 3 hr 13 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 150 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/21/91 Time: _____ Sampler: DF
Approx. sample depth: 155-255 (ft) Weather: Clear
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	4	HCl/l
P	l	F/N/I
P	l	N/I
P	l	No P.

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement

Instrument ID# 6 See Replicate Field data Sheet Instrument ID# 6

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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ADMINISTRATIVE RECORD

LIN002 5 1 4

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-15db
Sample #: 343910621-09
155-255

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 (pH / Temp)
Instrument ID# 6 (Spec. Cond.)

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20	6.59	17.1	( ) 1.01	x	1.18	x	240	=	286
60	6.85	13.9	( ) 1.01	x	1.27	x	220	=	282
80	6.74	12.5	( ) 1.01	x	1.32	x	205	=	273
100	6.91	12.7	( ) 1.01	x	1.32	x	200	=	267
115	6.81	12.0	( ) 1.01	x	1.33	x	207	=	278
130	6.54	11.8	( ) 1.01	x	1.33	x	205	=	275
150	6.65	11.8	( ) 1.01	x	1.33	x	200	=	269
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LIN002 5 / 5

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock CT	Well ID
Sample #: 34391062H-10,11	MW-15d6

Elevation Data

25 to 30'

Date: 6/21/91 Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	67.65	+ -	= 67.65
Bottom of Well	NA	+	=

Well Diameter (inches): 6"

Water Column Height: _____ (feet)

gal/foot x 3 factor: x _____

Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC

Measuring Device ID#: Flat Tape 1000'

Sampler: JF

Weather: Clear 90's

Comments:

Well Collapsed @ 30'

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Is well plumb? Y / N

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Lock: Good / Broken / None

Well # Visible?: Y / N

Rust around Cap: Y / N

Well Cap: Good / Broken / None

PVC Riser: Good / Damaged / None

Evidence of rain water between steel and PVC?: Y / N

Concrete collar: OK / Cracked / Leaking / None

Evidence of ponding around well?: Y / N

Other Evidence of: Rodents / Insects / None

Gopher type holes around collar?: Y / N

Curb Box: N / Y (key is: Hex / Pent / Other)

Comments:

Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 16:00

Stop Time: 18:00

Total Time Purged: 100 min

Pump Rate: _____ (lpm / gpm)

Volume Purged: 150 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladder

Comments: Slow

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/21/91 Time: _____ Sampler: JF

Approx. sample depth: 25-30' (ft) Weather: Clear

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____

Bailer cord: Dedicated / Nondedicated

Filtered in Field?: No / @Well / @Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # 2 Filter ID # 1

Field Decon: Bailer / Filter / Tubing / Other _____

Appearance:

Container	Quantity	Preservative
V	4	HCl/I
P	1	H/N/I
P	1	N/I
P	1	I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 See Probe Data Sheet Instrument ID# 6

pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
		( )	x	x	=	

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LIN002 5 1 6

Field Parameter Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-15db
Sample #: 3439106214 - 10, 11

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10 gal	8.42	16.4	( ) 1.01	x	1.21	x	240	=	293
15 gal	8.26	14.2	( ) 1.01	x	1.27	x	220	=	282
16 gal	8.41	17.6	( ) 1.01	x	1.16	x	230	=	269
17 gal	8.57	17.4	( ) 1.01	x	1.16	x	235	=	275
17.3 gal	8.43	12.3	( ) 1.01	x	1.32	x	205	=	273
17.5 gal	8.28	11.6	( ) 1.01	x	1.35	x	200	=	273
18 gal	8.38	12.0	( ) 1.01	x	1.33	x	205	=	275
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LIN002 5 1 1

Monitoring Well Field Data Sheet

FUSS&O'NEI Environmen Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-15db
Sample #: 313920107-23

Elevation Data

Date: 1/2/92 Time: 11:34
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	62.32'	+ 0.41'	= 62.73'
Bottom of Well	~330'	+	= ~330'

Water Column Height: 268 (feet)
gal/foot x 3 factor: x 1.5
Volume to be Purged: 400 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16" w.v.
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 9:18
Stop Time: 9:46
Total Time Purged: 28 min.
Pump Rate: (lpm / gpm)
Volume Purged: 420 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/7/92 Time: 10:30 Sampler: MJB
Approx. sample depth: 70 (ft) Weather: sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 3
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, lt. brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO3
Plastic-l	1	F/HNO3
Plastic-l	1	As Is
Glass-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond
see field parameter sheet		( ) x x =	

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LIN002 5 1 8

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-15B
Sample #: 31392018723

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
150 gal	7.10	9.7	(9.7)	1.42	x	1.03	x	156	=	228
300 gal	7.45	9.6	(9.6)	1.42	x	1.03	x	158	=	231
400 gal	7.59	9.0	(9.0)	1.45	x	1.03	x	171	=	250
405 gal	7.94	9.9	(9.9)	1.41	x	1.03	x	178	=	258
410 gal	7.92	10.0	(10.0)	1.41	x	1.03	x	179	=	260
415 gal	7.95	9.7	(9.7)	1.42	x	1.03	x	179	=	262
420 gal	7.94	9.9	(9.9)	1.41	x	1.03	x	185	=	267
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 5 1 9

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88 /21
Project Location: Woodstock, CT	Well ID
Sample #: 3139106 13-18	MW-16C

Elevation Data

Date: 6/10/91 Time: 1711

	Depth (feet)	+ Correction	= True Depth
Water Level	13.50'	+ 1.29'	= 12.21'
Bottom of Well	28.90'	+ 0.45'	= 29.35'

Well Diameter (inches): 2"

Water Column Height: 17 (feet)

gal/foot x 3 factor: x 0.5

Volume to be Purged: 8.5 (gal)

Measuring Point: TPS / PVC

Measuring Device ID#: Chalk + SS. Tape

Sampler: MJB, RFK

Weather: Sunny, 90s

Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Is well plumb?: Y / N

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Lock: Good / Broken / None

Well # Visible?: Y / N

Rust around Cap: Y / N

Well Cap: Good / Broken / None

PVC Riser: Good / Damaged / None

Evidence of rain water between steel and PVC?: Y / N

Concrete collar: OK / Cracked / Leaking / None

Evidence of ponding around well?: Y / N

Other Evidence of: Rodents / Insects / None

Gopher type holes around collar?: Y / N

Curb Box: N / Y (key is: Hex / Pent / Other) 9/16" w

Comments: Lock # D-05, 4341

Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 11:00

Stop Time: 11:15

Total Time Purged: 15 min

Pump Rate: — (lpm / gpm)

Volume Purged: 3 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladder

Comments:

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/13/91 Time: 1200 Sampler: MJB

Approx. sample depth: 28 (ft) Weather: Sunny, 70s

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other

Bailer cord: Dedicated / Nondedicated

Filtered in Field?: No / @Well / @Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # 6 Filter ID # 6

Field Decon: Bailer / Filter / Tubing / Other

Appearance: cloudy, gray, silty, slight odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	as is
Amber-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 Instrument ID# 4

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
6.98	12.0	(12.0) 1.33 x 1.02 x 1,000 =	1,357

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 520

Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-16C
Sample #: 3139106 13-18

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 (pH, Temp); Instrument ID# 4 (Spec. Cond.)

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	7.26	11.9	(11.9)	1.33	x	1.02	x	975	=	1,327
DRY at 3			( )		x		x		=	
gal	7.44	12.5	(12.5)	1.32	x	1.02	x	925	=	1,245
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 521

Monitoring Well Field Data Sheet

FUSS&O'NEIL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920109-40	MW-16T

Elevation Data

Date: 1/2/92 Time: 1344 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	9.19'	+ 0.41'	= 29.60'
Bottom of Well	28.92'	+ 0.41'	= 29.33'

Water Column Height: 20 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 10 (gal)

Measuring Point: TPS / PVC Sampler: MJB, MRG
Measuring Device ID#: Tape Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None ??
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other) 9/6"
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1115
Stop Time: 1130
Total Time Purged: 15 min
Pump Rate: (lpm / gpm)
Volume Purged: 6 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/9/92 Time: 1230 Sampler: MRG
Approx. sample depth: 26 (ft) Weather: cloudy, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty, grey, odor (strong)

Container	Quantity	Preservative
VOA vial	2 ✓	HCl
Plastic-l	1 ✓	HNO_3
Plastic-l	1 ✓	F/HNO_3
Plastic-l	1 ✓	As Is
Amber-l	1 ✓	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
SPC	DATA	( ) SHEET x SPC x DATA =	SHEET

Instrument ID#

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LINEMASTER SWITCH
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LIN002 5222

Field Parameter Data Sheet

Client/Project Name: LINEMASTER		Project #: 86-88/21	
Project Location: WOODSTOCK CT		**Well ID**	
Sample #: 313920/09 -40		MW-16T	

FUSS&O'NEILL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 1

	pH	Temp °C	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	7.16	11.1°C	(11.1)	1.37	x	1.06	x	100	=	145
6 ↓	7.55	10.7°	(10.7)	1.38	x	1.06	x	100	=	146
10 ↓	Well	WENT	( )	DRY	x	Well	x	WENT	=	DRY
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002523

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 31391 06 13-21	MW-16 sb

Elevation Data

Date: 6/10/91 Time: 1715

	Depth (feet)	+ Correction	= True Depth
Water Level	54.50'	- 1.80'	= 52.70'
Bottom of Well	56.00'	+ 0.45	= 56.45'

Well Diameter (inches): 2"

Water Column Height: 4 (feet)

gal/foot x 3 factor: x 0.5

Volume to be Purged: 2 (gal)

Measuring Point: TPS PVC

Measuring Device ID#: Chalk + SS. Tape

Sampler: HJB, RFK

Weather: sunny, 90s

Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Well # Visible?: Y N

Well Cap: Good / Broken / None

Evidence of rain water between steel and PVC?: Y / N

Evidence of ponding around well?: Y / N

Gopher type holes around collar?: Y / N

Is well plumb?: Y / N

Lock: Good / Broken / None

Rust around Cap: Y / N

PVC Riser: Good / Damaged / None

Concrete collar: OK / Cracked / Leaking / None

Other Evidence of: Rodents / Insects / None

Curb Box: N / Y (key is: Hex / Pent / Other) 9/16" wrc.

Curb Box Gasket: OK / Replace / Other

Comments: Lock # D-04, 3414

Purge Data

Start Time: 11:20

Stop Time: 11:25

Total Time Purged: 5 min.

Pump Rate: (lpm / gpm)

Volume Purged: 1 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladder

Comments:

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/13/91 Time: 12:10 Sampler: RFK

Approx. sample depth: 55 (ft) Weather: sunny, 70s

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other

Bailer cord: Dedicated / Nondedicated

~~Filtered in Field?: No / @Well / @Vehicle~~

~~Method of Filtration: Pressure / Vacuum / Syringe~~

~~Pump ID #~~ ~~Filter ID #~~

~~Field Decon: Bailer / Filter / Tubing / Other~~

Appearance: cloudy, gray, silty

Container	Quantity	Preservative
voa vial	2	HCl
Plastic	1	HNO3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.24	12.5	(12.5) 1.32	x	1.02	x	158	=	213
~~8.30~~	~~12.2~~	~~12.2 1.32~~		~~1.0~~				

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LIN002 524

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 31391063-21
Well ID: MW-16sb

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3									Instrument ID# 4
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity =	Spec. Cond.
	8.24	12.4	(12.4)	1.32	x	1.02	x	150 =	202
DRY at 1 gal			( )		x		x	~~153~~ =	
	8.30	12.2	(12.2)	1.33	x	1.02	x	153 =	208
			( )		x		x	=	
			( )		x		x	=	
			( )		x		x	=	
			( )		x		x	=	
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ADMINISTRATIVE RECORD

LIN002 525

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmer Field Servic

Client/Project Name: Lynemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 3 13920109-42	MW-16sb

Elevation Data

Date: 1/2/92 Time: 1347 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	49.98'	+ 0.41'	= 50.39'
Bottom of Well	67.17'	+ 0.41'	= 67.58'

Water Column Height: 17 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 8.5 (gal)

Measuring Point: TPS (PVC) Sampler: MJB, MRG
Measuring Device ID#: Tape Weather: cloud, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb? (Y) / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / (None)
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: Y / (N)
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
Curb Box: N / (Y) (key is: Hex / Pent / Other) 9/16"
Comments:
Curb Box Gasket: (OK) / Replace / Other _____

Purge Data

Start Time: 1130
Stop Time: 1200
Total Time Purged: 30 MIN
Pump Rate: ——— (lpm / gpm)
Volume Purged: ~~8.5~~ (gallons)

Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / (Low / Dry)

Sample Data

Date: 1/9/92 Time: 1215 Sampler: MRG
Approx. sample depth: 60 (ft) Weather: SNOWING 30s
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: (Bailer) / Filter / Tubing / Other _____
Appearance: SILTY, GREY, odor

Container	Quantity	Preservative
VOA Vial	2 ✓	HCl
Plastic-l	1 ✓	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ———

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
SEE	DATA	( ) SHEET x SEE x DATA =	SHEET

Instrument ID# ———

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LIN002 529

Field Parameter Data Sheet

Client/Project Name: LINEMASTER
Project #: 86-88/2L
Project Location: WOODSTOCK CT.
Well ID: MW-16SJ
Sample #: 313920109-42

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	9.19	20.2	(10.2)	1.40	x	1.06	x	190	=	282
6 gal	well	WNT	( )	DRY	x	AT	x	4 gal	=	
8.5 gal			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 521

Field Data Sheet

FUSS&O'NEILL Environment Field Service

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 31391006 12-17	MW-17 Ts

Elevation Data

Date: 6/12/91 Time: 1546

	Depth (feet)	+ Correction	= True Depth
Water Level	8.00	+ 1.61'	= 6.39'
Bottom of Well	19.10'	+ 0.45'	= 19.55'

Well Diameter (inches): 2"
Water Column Height: 13 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 6.5 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: chalk & S.S. Tape
Sampler: MJB, RRK
Weather: Sunny, 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N Labeled sb on collar
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1317
Stop Time: 1330
Total Time Purged: 13 min
~~Pump Rate:~~ (lpm / gpm)
Volume Purged: 5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: dry at 5 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/12/91 Time: 1345 Sampler: RRK
Approx. sample depth: 18.5 (ft) Weather: S/A
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy yellowish brown no odor

Container	Quantity	Preservative
VOA	✓ 2	HCl
plastic L	✓ 1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	7.47	11.6	(11.8)	1.34	x	1.04	x	384	=	535
Well Volume 2	7.82	11.6	(12.0)	1.33	x	1.04	x	397	=	549
Well Volume 3	—	—	( )	—	x	—	x	—	=	
Final	7.74	11.6	(12.0)	1.33	x	1.04	x	376	=	520

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ADMINISTRATIVE RECORD

LIN002 528

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88/21
Project Location: WOODSTOCK CT.
Sample #: 313920107-27
Well ID: MW 17TS

Elevation Data

Date: 1/2/92 Time: 11:44

	Depth (feet)	+ Correction	= True Depth
Water Level	2.28	+ 0.41	= 2.69
Bottom of Well	19.13	+ 0.41	= 19.54

Well Diameter (inches): 2"
Water Column Height: 16.85 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 9.0 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: TAPE
Sampler: MJB, MRC
Weather: cloudy 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible? Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb? Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1425
Stop Time: 1441
Total Time Purged: 16 min
Pump Rate: ——— (lpm / gpm)
Volume Purged: 7 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: well went Dry
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/7/92 Time: 1450 Sampler: MRC
Approx. sample depth: 15 (ft) Weather: sunny 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other
Appearance: greyish, cloudy, silty no odor

Container	Quantity	Preservative
VOA	3 ✓	HCL
plastic l	1 l ✓	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
SPC	→	(→) DATA x → x → SHART =	

Instrument ID# 5

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002529

Field Parameter Data Sheet

FUSS&O'NEILL
Environmen
Field Servic

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK CT.	Well ID
Sample #: 81392 0107-27	MW 17 TS

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 — Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	8.26	9.9	(9.9)	1.41	x	1.05	x	360	=	533
6 ↓	8.24	10.0	(10.0)	1.41	x	1.05	x	370	=	548
9 ↓	well	went	( )	Dry	x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 3 0

Field Data Sheet

FUSS&O'NEILL
Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 313910612-10
Well ID: MW-17Td

Elevation Data

Date: 6/12/91 Time: 1556
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	14.00'	− 1.24'	= 12.76'
Bottom of Well	41.73'	+ 0.45	= 42.18'

Water Column Height: 30 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 15 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: chalk + S.S. Tape
Sampler: MSB, RRK
Weather: sunny, 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N wrong # on collar
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1255
Stop Time: 1309
Total Time Purged: 14 min
~~Pump Rate:~~ _____ (lpm / gpm)
Volume Purged: 7.5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: dry at 7.5 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/12/91 Time: 1338 Sampler: RRK
Approx. sample depth: 41 (ft) Weather: S/A
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: silty brown no odor

Container	Quantity	Preservative
VOA	✓ 2	HCl
plastic L	✓ 1	as is
plastic L	✓ 1	F/HNO_3
plastic L	✓ 1	HNO_3
amber L	✓ 1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 1

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.17	11.7	(11.6) 1.35	x	1.04	x	235	=	330
Well Volume 2	7.87	12.1	(12.3) 1.32	x	1.04	x	251	=	345
Well Volume 3	~~7.~~	~~12.3~~	( ) —	x	—	x	—	=	
Final	7.77	12.3	(12.2) 1.33	x	1.04	x	249	=	344

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 3 1

Monitoring Well Field Data Sheet

FUSS&O'NEIL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920108-28	MW-17TD

Elevation Data

Date: 1/2/92 Time: 11:47

Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	8.17'	+ 0.41'	= 8.58'
Bottom of Well	41.76'	+ 0.41'	= 42.17'

Water Column Height: 34 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 17 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other 9/16")
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 0950
Stop Time: 1019
Total Time Purged: 29 min
Pump Rate: ——— (lpm / gpm)
Volume Purged: 10 gal (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: well not dry after 10 gals
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/8/92 Time: 1110 Sampler: MRG
Approx. sample depth: 40 (ft) Weather: sunny 30's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
~~Bailer cord: Dedicated / Nondedicated~~
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 3
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty, grey, slight odor

Container	Quantity	Preservative
VOA vial	3 ✓	HCl
Plastic-l	1 ✓	HNO_3
Plastic-l	1 ✓	F/HNO_3
Plastic-l	1 ✓	As Is
Amber-l	1 ✓	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 4 Instrument ID# 4

pH	Temp	(Temp) Corr Factor x Calib Factor x Conductivity =	Spec. Cond
		→ SCF x DATA x SHAPT =	

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LIN002 5532

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Sample #: 313920108-28

Project #: 86-88/21
Well ID: MW-17TD

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	4								Instrument ID#	4
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
# 6 gal	8.03	9.2	(9.2)	1.44	x	1.00	x	200	=	288
10 ~~8~~ 12	8.77	~~8.~~ 9.6	(9.6)	1.43	x	1.00	x	210	=	300
1 17	well	→ water	(→	DRY	x	~~1.00~~	x	DRY	=	DRY
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002
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Field Data Sheet

FUSS&O'NEIL Environment Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313910612-13	MW-17sb

Elevation Data

Date: 6/10/91 Time: 1553 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	25.00'	- 1.85'	= 23.15'
Bottom of Well	67.32'	+ 0.45'	= 67.77'

Water Column Height: 44 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 22 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: chalk & s.s. Tape
Comments:

Sampler: MJB, RFK
Weather: sunny, 90s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N labeled incorrectly (Td)
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other) 9/10" wrench
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1312
Stop Time: 1325
Total Time Purged: 13 min
Pump Rate: — (lpm / gpm)
Volume Purged: 8 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/12/91 Time: 1340 Sampler: MJB
Approx. sample depth: 65 (ft) Weather: sunny, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, gray, slight silt, no odor

Container	Quantity	Preservative
voa vial	✓ 2	HCl
plastic -l	✓ 1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 1

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond
Well Volume 1	8.23	12.0	(12.0) 1.33	x	1.04	x	175	=	242
Well Volume 2	8.11	11.8	(11.9) 1.33	x	1.04	x	180	=	249
Well Volume 3		DRY at	(8 gal)	x		x		=	
Final	8.32	13.6	(13.6) 1.28	x	1.04	x	180	=	240

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ADMINISTRATIVE RECORD

LIN002534

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920108-29	MW-17sb

Elevation Data

Date: 1/2/98 Time: 11:50 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	18.05'	+ 0.41'	= 18.46'
Bottom of Well	67.31'	+ 0.41'	= 67.72'

Water Column Height: 49 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 24.5 (gal)

Measuring Point: TPS / PVC Sampler: MJB, MRG
Measuring Device ID#: Tape Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair — Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None — Lock: Good / Broken / None
Well # Visible?: Y / N — Rust around Cap: Y / N
Well Cap: Good / Broken / None — PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N — Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N — Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N — Curb Box: N / Y (key is: Hex / Pent / Other) 9/16
Comments: — Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1025
Stop Time: 1104
Total Time Purged: 39 MIN
Pump Rate: (lpm / gpm)
Volume Purged: 12 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: well went dry @ 12 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/5/92 Time: 1125 Sampler: MRG
Approx. sample depth: 60 (ft) Weather: sunny 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum~~ / Syringe
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other
Appearance: grey, cloudy, odor, silty

Container	Quantity	Preservative
VOA vial	3 ✓	HCl
Plastic	1 ✓	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 4 — Instrument ID# 4

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
SPP	DATA	( ) SHEET x — SPP x DATA =	SHEET

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LIN002 555

Field Parameter Data Sheet

FUSS&O'NEILL Environment Field Services

Client/Project Name: Linemaster
Project #: 86-88121
Project Location: Woodstock, CT
Well ID: MW-17sb
Sample #: 313920108-29

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 4 | Instrument ID# 4

	pH	Temp °C	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8	9.07	10.0	(10.0)	1.41	x	1.00	x	180	=	254
~~15~~ 12	9.15	9.1	(9.1)	1.45	x	1.00	x	170	=	246
~~245~~	well	WPAT	( )	DRY	x	well	x	WPAT	=	DRY
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 5 3 9

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-17db
Sample #: 3439106227-23

Elevation Data

83' to 123'

Date: 6/27/91 Time: 8:29
Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	81.15	+ —	= 81.15
Bottom of Well	—	+ —	= —

Water Column Height: 40 (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 59 (gal)

Measuring Point: TPS / PVC
Sampler: DZ
Measuring Device ID#: 1000' FWT tape
Weather: Clear 90°
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 9:45
Purge device: Dedicated / Nondedicated
Stop Time: 12:00
Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: 2:00
Comments: SWP
Pump Rate: _____ (lpm / gpm)
Volume Purged: 20 (gallons)
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/27/91 Time: 12:00 Sampler: DZ
Approx. sample depth: 123 (ft) Weather: Clear 90°
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	4	HCl
P	1	I
P	1	N/I
P	1	F N I
P	1	N/I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 See Attached Replicate form Instrument ID# 2

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 3 1

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Well ID: MW-17db
Sample #: 3413910626-23

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
			( )	x	1	x		=	
3 gal	6.53	17.9	( ) 1.16	x	1.01	x	220	=	258
4 gal	6.69	17.8	( ) 1.16	x	1.01	x	220	=	258
6 gal	7.03	12.8	( ) 1.24	x	1.01	x	218	=	273
12 gal	7.81	12.1	( ) 1.27	x	1.01	x	220	=	282
13 gal	7.80	13.6	( ) 1.28	x	1.01	x	216	=	279
15 gal	7.72	12.1	( ) 1.35	x	1.01	x	213	=	290
16 gal	7.69	11.7	( ) 1.35	x	1.01	x	210	=	286
17 gal	7.75	11.6	( ) 1.35	x	1.01	x	205	=	280
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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			( )	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 538

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project Location: Woodstock CT
Sample #: 3439106 27-24
Project #: 86-88(21)
Well ID: MW-15db

Elevation Data

180 - 200

Date: 6/27/91 Time: 8:34

	Depth (feet)	+ Correction	= True Depth
Water Level	81.15	+ -	= 81.15
Bottom of Well	NA	+	=

Well Diameter (inches): 6"
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Flat Tape 1000'
Comments:
Sampler: OF
Weather: clear 90.

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 9:40
Stop Time: 12:00
Total Time Purged: 2:20
Pump Rate: _____ (lpm / gpm)
Volume Purged: 20 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: dwb
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/27/91 Time: 12:00 Sampler: OF
Approx. sample depth: 123 (ft) Weather: Clear
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	4	HCl/I
P	1	F/NI
P	1	NI
P	1	Ao bi

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 See Replicate Check Instrument ID# 6

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 3 9

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster Switch	Project #: 816-881(21)
Project Location: Woodstock CT	Well ID
Sample #: 31B910627-24	MW-17b

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2									Instrument ID#	2
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
20 gal	8.31	14.5°C	( )	1.26	x	1.01	x	220	=		280
22 gal	8.34	15.1	( )	1.24	x	1.01	x	212	=		266
25 gal	8.16	13.4	( )	1.28	x	1.01	x	212	=		274
30 gal	8.10	13.5	( )	1.28	x	1.01	x	207	=		268
32 gal	8.03	14.5	( )	1.26	x	1.01	x	210	=		267
33 gal	8.13	12.4	( )	1.32	x	1.01	x	202	=		269
34 gal	8.15	13.3	( )	1.28	x	1.01	x	202	=		261
34.25 gal	8.07	12.2	( )	1.33	x	1.01	x	200	=		269
34.5 gal	8.08	11.2	( )	1.37	x	1.01	x	195	=		270
34.75 gal	7.97	11.4	( )	1.35	x	1.01	x	190	=		259
35 gal	7.95	11.5	( )	1.35	x	1.01	x	192	=		262
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 540

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Well ID: MW-17B
Sample #: 8-139-062-25/28
250 - 290

Elevation Data

Date: 6/27/91 Time:
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	84.16	+ —	= 84.16
Bottom of Well	—	+ —	= —

Water Column Height: 40' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 57 (gal)

Measuring Point: TPS / PVC
Sampler: JF
Measuring Device ID#: 1000 Flat Tape
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 3:54
Stop Time: 4:30
Total Time Purged: 36 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 70 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/27/91 Time: 4:12 Sampler: JF
Approx. sample depth: 290 (ft) Weather: Clear 50s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	8	HCl
P	2	N/I
P	2	I
P	2	F/N/I
P	2	F
A	2	HCl

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 See Replicate Sheet Instrument ID# 2

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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ADMINISTRATIVE RECORD

LIN002 541

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-17d6
Sample #: 3413910627 - 25/28

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
25 gal	8.06	13.4	( )	1.28	x	1.01	x	210	=	271
35 gal	8.00	13.9	( )	1.27	x	1.01	x	210	=	269
40 gal	8.03	13.0	( )	1.30	x	1.01	x	192	=	252
53 gal	8.16	11.4	( )	1.35	x	1.01	x	190	=	257
59 gal	8.12	11.7	( )	1.37	x	1.01	x	190	=	263
65 gal	8.12	11.4	( )	1.35	x	1.01	x	190	=	257
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 542

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Well ID: MW-17L
Sample #: 3439-0688-29
300' to 340'

Elevation Data

Date: 6/28/91 Time: 8:42
Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	81.57	+ —	= 81.57
Bottom of Well	—	+ —	= —

Water Column Height: 40' (feet)
gal/foot x 3 factor: x
Volume to be Purged: 59 (gal)

Measuring Point: TPS / PVC
Sampler: DF
Measuring Device ID#: 1000 Fhl Tape
Weather: Clear 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 8:50
Stop Time:
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Slab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/28/91 Time: 10:30 Sampler: DF
Approx. sample depth: 340 (ft) Weather: Clear 90s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	4	HCl A
P	1	Nitric
P	1	Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 See Attached Sheet. Instrument ID# 2

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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ADMINISTRATIVE RECORD

LIN002 543

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock
Well ID: MW-17db
Sample #: 343910628-29

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
30 gal	6.91	11.6	( ) 1.35	x	0.99	x	210	=	281
35 gal	6.79	11.3	( ) 1.35	x	0.99	x	198	=	265
40 gal	7.41	13.2	( ) 1.30	x	0.99	x	210	=	270
45 gal	7.59	11.6	( ) 1.35	x	0.99	x	200	=	267
55 gal	7.87	11.5	( ) 1.35	x	0.99	x	200	=	267
60 gal	7.84	11.7	( ) 1.35	x	0.99	x	200	=	267
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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ADMINISTRATIVE RECORD

LIN002 544

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co. | Project #: 86-88121
Project Location: Woodstock, CT | Well ID
Sample #: 31392010 7-26 | MW-17d5

Elevation Data

Date: 1/2/92 Time: 11:54 | Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	67.75'	+ 0.41'	= 68.16'
Bottom of Well	~400'	+	= ~400'

Water Column Height: 332 (feet)
gal/foot x 3 factor: x 1.5
Volume to be Purged: 498 (gal)

Measuring Point: (TPS) / PVC | Sampler: MJB, MRG
Measuring Device ID#: Tape | Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair | Is well plumb?: (Y) / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / (None) | Lock: (Good) / Broken / None
Well # Visible?: (Y) / N | Rust around Cap: Y / (N)
Well Cap: (Good) / Broken / None | PVC Riser: Good / Damaged / (None)
Evidence of rain water between steel and PVC?: Y / (N) | Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N) | Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N) | Curb Box: N / (Y) (key is: Hex / Pent / Other) 9/16" wr.
Comments: | Curb Box Gasket: (OK) / Replace / Other

Purge Data

Start Time: 12:38 | Purge device: Dedicated / (Nondedicated)
Stop Time: 13:27 | Device type: Bailer / Peristaltic / (Submersible) / Bladder
Total Time Purged: 49 min. | Comments:
Pump Rate: ~10 (lpm / (gpm))
Volume Purged: 520 (gallons) | Well Yield: (High) / Moderate / Low / Dry

Sample Data

Date: 1/7/92 Time: 1345 Sampler: MJB
Approx. sample depth: 70 (ft) Weather: sunny, 30s
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field?: No / (@Well) / (@Vehicle)
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 1 Filter ID # 3
Field Decon: Bailer / Filter / (Tubing) / Other
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is
Amber Glass	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# | Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see Field parameter sheet		( ) x x =	

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ADMINISTRATIVE RECORD

LIN002 545

Field Parameter Data Sheet

FUSS&O'NEIL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-1
Sample #: 3159207-26

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 1

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
200 gal	9.54	9.8	(9.8) 1.42	x	1.03	x	182	=	266
400 gal	8.17	9.9	(9.9) 1.41	x	1.03	x	165	=	240
500 gal	7.97	10.1	(10.1) 1.41	x	1.03	x	163	=	237
505 gal	8.32	9.9	(9.9) 1.41	x	1.03	x	165	=	240
510 gal	8.25	9.7	(9.7) 1.42	x	1.03	x	168	=	246
515 gal	8.19	10.1	(10.1) 1.41	x	1.03	x	165	=	240
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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			( )	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 549

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-18C
Sample #: 3139106 11-01

Elevation Data

Date: 6/10/91 Time: 1417
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	7.20'	+ 1.25'	= 8.45'
Bottom of Well	15.59'	+ 0.45'	= 16.04'

Water Column Height: 10 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 5 (gal)

Measuring Point: TPS PVC
Measuring Device ID#: Chalk & SS Tape
Sampler: MJB, RFK
Weather: Sunny, 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None — To be installed
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:01
Stop Time: 11:11
Total Time Purged: 10 min
Pump Rate: — (lpm / gpm)
Volume Purged: 4 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/11/91 Time: 11:15 Sampler: RFK
Approx. sample depth: 15 (ft) Weather: Same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
voa vial	3	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 — Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.58	12.0	(11.9)	1.33	x	1.03	x	432	=	592
Well Volume 2	6.17	11.1	(11.0)	1.37	x	1.03	x	429	=	605
Well Volume 3	6.29	10.6	(10.6)	1.39	x	1.03	x	410	=	587
Final		DRY after 4 gal			x		x		=	

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 541

Monitoring Well Field Data Sheet

FUSS&O'NE Environmer Field Services

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920103-17	MW-18T

Elevation Data

Date: 1/2/92 Time: 1313 Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	3.01'	+ 0.41'	= 3.42'
Bottom of Well	14.59'	+ 0.41'	= 15.00'

Water Column Height: 12 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 6.0 (gal)

Measuring Point: TPS (PVC) Sampler: MJB, M&G
Measuring Device ID#: Tape Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Is well plumb?: (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Lock: (Good) / Broken / None
Well # Visible?: (Y) / N
Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None
PVC Riser: (Good) / Damaged / None
Evidence of rain water between steel and PVC?: Y / (N)
Concrete collar: (OK) / Cracked / Leaking / None
Evidence of ponding around well?: Y / (N)
Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N)
Curb Box: (N) / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 1331
Stop Time: 1351
Total Time Purged: 20 min
Pump Rate: — (lpm / gpm)
Volume Purged: 7.5 (gallons)

Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / (Low) / Dry

Sample Data

Date: 1/3/92 Time: 1400 Sampler: MJB
Approx. sample depth: 14 (ft) Weather: cloudy, 40s
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: (Dedicated) / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ Instrument ID# _____

pH	Temp	(Temp)Corr Factor x	Calib Factor x	Conductivity =	Spec. Cond
see field parameter sheet		( ) x	x	=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 548

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co. Project #: 86-SS/21

Project Location: WoodsTock, CT

Sample#: 313910103-11 Well ID: MW[illegible]

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: 1 Instrument ID#: 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	7.01	8.0	(8.0)	1.49	x	1.04	x	379	=	587
40 gal	6.59	8.2	(8.2)	1.48	x	1.04	x	381	=	586
60 gal	6.84	8.2	(8.2)	1.48	x	1.04	x	389	=	599
65 gal	6.75	8.0	(8.0)	1.49	x	1.04	x	395	=	612
70 gal	6.69	7.7	(7.7)	1.50	x	1.04	x	391	=	610
75 gal	6.57	7.2	(7.2)	1.53	x	1.04	x	398	=	633
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002549

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: ~~2139F06 11 02~~ 3139106 12 09
MW-12 sb

Elevation Data

Date: 6/10/91 Time: 1419
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	8.00'	+ 1.41'	= 6.59'
Bottom of Well	46.08'	+ 0.45'	= 46.53'

Water Column Height: 40 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 20 (gal)

Measuring Point: TPS / PVC
Sampler: MJB, RFK
Measuring Device ID#: Chalk + 5.5' Tape
Weather: Sunny, 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None — To be install
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: ~~OK / Replace / Other~~
Comments: Obstruction ~ 10' into well (New)
will not pass 2" bailer
Use old Tapered 2" bailer

Purge Data

Start Time: 10:40
Stop Time: 11:10
Total Time Purged: 30 min
Pump Rate: (lpm / gpm)
Volume Purged: 20 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/12/91 Time: 11:15 Sampler: RFK
Approx. sample depth: 45 (ft) Weather: Sunny, 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, no odor

Container	Quantity	Preservative
voa vial	3	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
Amber-l	1	as is
plastic-l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	7.13	11.0	(10.8)	1.38	x	1.04	x	200	=	287
Well Volume 2	8.15	10.6	(10.7)	1.38	x	1.04	x	190	=	273
Well Volume 3	8.37	10.9	(11.1)	1.37	x	1.04	x	198	=	282
Final	8.33	10.6	(10.8)	1.39	x	1.04	x	200	=	289
	8.47	10.2	10.2	1.40		1.04		192		280

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 550

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-18sb
Sample #: 3139201030909

Elevation Data

Date: 1/2/92 Time: 1311

	Depth (feet)	+ Correction	= True Depth
Water Level	3.65'	+ 0.41'	= 4.06'
Bottom of Well	44.75'	+ 0.41'	= 45.16'

Well Diameter (inches): 6"
Water Column Height: 41 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 20.5 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~
Comments:

Purge Data

Start Time: 1300
Stop Time: 1312
Total Time Purged: 45 min
Pump Rate: ____ (lpm / gpm)
Volume Purged: 20.5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/03/92 Time: 1413 Sampler: MRG
Approx. sample depth: 40 (ft) Weather: Sunny 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, odor

Container	Quantity	Preservative
VOA vial	3 ✓	HCl
Plastic-l	1 ✓	HNO_3
Plastic-l	1 ✓	F^-/HNO_3
Plastic-l	1 ✓	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		( ) x x =	

Instrument ID# 5

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 551

Field Parameter Data Sheet

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: [illegible]103 - 0[illegible]	MW-[illegible]

FUSS&O'NEIL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 (pH/Temp) — Instrument ID# 5 (Spec. Cond.)

	pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7 gal	8.72	10.4	(10.4) 1.39	x	1.03	x	190	=	272
14 gal	8.75	9.8	(9.8) 1.41	x	1.03	x	190	=	276
20.5 gal	8.80	9.8	(9.8) 1.41	x	1.03	x	190	=	276
	8.76	9.3	(9.3) 1.45	x	1.03	x	190	=	284
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002552

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-18d
Sample #: 3439.0628-31

Elevation Data

70' + 100'

Date: 6/28/91 Time: 12:32
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	44.32	+ —	= 44.32
Bottom of Well	—	+ —	= —

Water Column Height: 30 (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Sampler: DF
Measuring Device ID#: 1000' Flat Tape
Weather: Clear 100.
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 14:05
Stop Time: 14:50
Total Time Purged: 45
Pump Rate: _____ (lpm / gpm)
Volume Purged: 60 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Sand
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/1/91 Time: 9:45 Sampler: DF
Approx. sample depth: 127 (ft) Weather: Clear 80
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric/I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 See Replicate Data Sheet. Instrument ID# 6

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 553

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster Switch
Project #: 88-88
Project Location: Woodstock CT
Well ID: MW-18d6
Sample #: 3'B910628-31

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2										Instrument ID#	2
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.	
			( )		x		x		=			
5 gal	8.06	18.1	( )	1.15	x	1.01	x	185	=		215	
10 gal	8.45	12.2	( )	1.33	x	1.01	x	150	=		201	
15 gal	8.59	11.5	( )	1.35	x	1.01	x	150	=		205	
16 gal	8.54	11.3	( )	1.35	x	1.01	x	148	=		202	
18 gal	8.49	11.5	( )	1.35	x	1.01	x	155	=		211	
20 gal	8.52	11.5	( )	1.35	x	1.01	x	151	=		206	
			( )		x		x		=			
			( )		x		x		=			
			( )		x		x		=			
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 554

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88/21
Project Location: WOODSTOCK CT.
Well ID: MW-28
Sample #: 3519204 21-05

Elevation Data

Date: 4/20/92 Time: 1136
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	3.38	+ 0.41	= 3.79
Bottom of Well	34.95	+ 0.41	= 35.36

Water Column Height: 31.57 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 16 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: TAPE
Sampler: MRC
Weather: cloudy 50's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
~~Rust around Cap: Y / N~~ NONE
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1140
Stop Time: 1155
Total Time Purged: 15 MIN
Pump Rate: (lpm / gpm)
Volume Purged: 5.5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: WENT DRY
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/22/92 Time: 1159 Sampler: MRC
Approx. sample depth: 30 (ft) Weather: cloudy 60's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 3 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other
Appearance: SILTY, GREY, NO ODOR

Container	Quantity	Preservative
VOA	3	HCL
plastic l	1	F/HNO3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=
Well Volume 2			( )	x	x	=
Well Volume 3			( )	x	x	=
Final			( )	x	x	=

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002555

Field Parameter Data Sheet

Client/Project Name: LINEMASTER
Project #: 86-88/21
Project Location: WOODSTOCK CT.
Well ID: MW-28+
Sample #: 3519204-21-05

FUSS&O'NEILL
Environmental Field Servi

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5	8.40	10.6	(10.6) 1.39	x	1.06	x	190	=	280
5.5	[illegible]	[illegible]	( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002556

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP. | Project #: 86-88

Project Location: WOODSTOCK, CT | Well ID: MW-28T

Sample #: 401920520-05

Elevation Data

Date: 5/20/92 Time: 12:00 | Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.68	+ .5	= 5.73
Bottom of Well	34.74	+ .5	= 34.79

Water Column Height: 29.06 (feet)
gal/foot x 3 factor: x .5
Volume to be Purged: 14.53 (gal)

Measuring Point: TPS / PVC | Sampler: SJR
Measuring Device ID#: Tape | Weather: Sun 70's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible? Y / N
Well Cap: Good / Broken / None
Evidence of rain water between ~~steel~~ ground and PVC? Y / N
Evidence of ponding around well? Y / N
Gopher type holes around collar?: Y / N

Is well plumb? Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket~~: OK / Replace / Other

Comments: Screen may be damaged "sand pack" - sand in bucket and on bailer

Purge Data

Start Time: 12:03
Stop Time: 12:14
Total Time Purged: 11 min
Pump Rate: (lpm / gpm)
Volume Purged: 7 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 5/20/92 Time: Sampler: SJR
Approx. sample depth: 34 (ft) Weather: Sunny
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field? Yes / No @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
Plastic 1L	1	+HNO3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

Instrument ID#

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5571

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER ~~WO~~ SWITCH CORP. Project #: 86-88

Project Location: WOODSTOCK, CT

Sample #: 401920520-05

Well ID: MW-28R

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
at 2.5 gal	8.26	11.7	(11.7)	1.35	x	1.02	x	210	=	289
at 7 gal	8.70	11.1	(11.1)	1.37	x	1.02	x	220	=	307
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 558

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88/21
Project Location: WOODSTOCK CT.
Well ID: MW-28SB
Sample #: 351920421-03

Elevation Data

Date: 4/20/92 Time: 1134

	Depth (feet)	+ Correction	= True Depth
Water Level	19.13	+ 0.41	= 19.54
Bottom of Well	52.03	+ 0.41	= 52.44

Well Diameter (inches): 2"
Water Column Height: 32.90 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 16.5 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: TAPE
Sampler: MRC / MB
Weather: cloudy 50s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
~~Rust around Cap: Y / N~~
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1106
Stop Time: 1130
Total Time Purged: 24 min
Pump Rate: —— (lpm / gpm)
Volume Purged: 7.5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: WAT. DRY
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/22/92 Time: 11:35 Sampler: MRC
Approx. sample depth: 50 (ft) Weather: cloudy 60's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 3 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty, cloudy, grayish

Container	Quantity	Preservative
VOA	3	HCL
plastic 1	1	F/HNO3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

	pH	Temp	(Temp) Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=
Well Volume 2			( )	x	x	=
Well Volume 3			( )	x	x	=
Final			( )	x	x	=

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002559

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Servi

Client/Project Name: LINEMASTER
Project #: 86-88/21
Project Location: WOODSTOCK CT.
Sample #: 3519204-21-03
Well ID: MW-28SB

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2										Instrument ID# 2
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
5.5	7.97	12.0°	(12.0)	1.33	x	1.06	x	160	=		226
7.5	8.16	11.1°	(11.1)	1.37	x	1.06	x	170	=		247
7.5	WENT	DRY	( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 550

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP. | Project #: 86-88

Project Location: WOODSTOCK, CT | Well ID: MW285b

Sample #: 401920520-03

Elevation Data

Date: 5/20/92 | Time: 11:22 | Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	19.83	+ .5	= 20.33
Bottom of Well	34.74	+ .5	= 35.24

Water Column Height: 14.51 (feet)
gal/foot x 3 factor: x .5
Volume to be Purged: 7.25 (gal)

Measuring Point: TPS / PVC | Sampler: SJR
Measuring Device ID#: Tape | Weather: Sun 70's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair Not completed | Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None | Lock: Good / Broken / None
Well # Visible?: Y / N | Rust around Cap: Y / N
Well Cap: Good / Broken / None | PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N | Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N | Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N | Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: | Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 11:37 | Purge device: Dedicated / Nondedicated
Stop Time: 11:48 | Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: _____ | Comments:
Pump Rate: _____ (lpm / gpm)
Volume Purged: 7 (gallons) | Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 5/20/92 Time: 11:50 Sampler: SJR
Approx. sample depth: 34 (ft) Weather:
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # | Filter ID #
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
Plastic 1L	1	HNO3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# | Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LIN002 5 9 1

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: ~~Wood~~ LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: MW28b
Sample #: 401120520-03

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
after 1st well vol.	8.51	11.8	(11.8)	1.32	x	1.02	x	165	=	224
after 2nd well vol.	8.50	11.5	(11.5)	1.35	x	1.02	x	160	=	220
after 3rd well vol.	8.12	11.8	(11.8)	1.33	x	1.02	x	165	=	224
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 592

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID
Sample #: 5739204428.01 MW 28b 30' 110

Elevation Data

Date: Time:
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Water Column Height: 30' (feet)
gal/foot x 3 factor: x 3
Volume to be Purged: 120 (gal)

Measuring Point: TPS / PVC
Sampler: POC
Measuring Device ID#:
Weather: Sunny 60's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
~~PVC Riser: Good / Damaged / None~~
Evidence of rain water between steel and PVC?: ~~Y / N~~
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments: well went dry at 40 gals. Recharged for 30mins pumped another 15 gal. Recharged for another 30mins pumped 15 gals and sampled
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 13:30
Stop Time: 15:45
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: 70 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Estimated yield of 0.5gpm
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/27/92 Time: 15:50 Sampler: POC
Approx. sample depth: 100 (ft) Weather: Sunny 60's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: Cloudy brownish rooder

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.31	12.0	(12.0) 1.33	x	1.02	x	120	=	163

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 5563

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 8688
Project Location: Woodstock
Well ID
Sample #: 3739920428-02

Elevation Data

Date: Time:

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Well Diameter (inches): 6"
Water Column Height: 30' (feet)
gal/foot x 3 factor: x 4
Volume to be Purged: 120 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#:
Sampler:
Weather:
Comments: 20

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other
Comments: Zone dry at 20 gal. Recharged for 30min and pumped 4gallons. Recharged for another 30gallons pumped 4gallons

Purge Data

Start Time: 16:09
Stop Time: 17:53
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: 30 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Estimated yield of 0.2 gpm
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 9/28/92 Time: 17:54 Sampler:
Approx. sample depth: 750 (ft) Weather:
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short
PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: Cloudy, greyish reddish

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.42	10.8	(10.8) 1.37	x	1.02	x	165	=	231

Sampled with pump running to prevent purge water still in pipe from falling back into zone. Approximately 25gallons in pipe

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LIN002 554

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: [illegible]	[illegible]

Elevation Data

Date:	Time:			Well Diameter (inches):
	Depth (feet)	+ Correction	= True Depth	Water Column Height: (feet)
Water Level		+	=	gal/foot x 3 factor: x
Bottom of Well		+	=	Volume to be Purged: (gal)

Measuring Point: TPS / PVC Sampler:
Measuring Device ID#: Weather:
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None Lock: Good / Broken / None
Well # Visible?: Y / N Rust around Cap: Y / N
Well Cap: Good / Broken / None PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: Dry at ~10 gal. Recharge for 30 min pumped 4 gallons. Recharge for 30 min pumped another 4 gallons and sampled Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 18:15 Purge device: Dedicated / Nondedicated
Stop Time: 19:30 Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: Comments: Estimated yield 0.2 gpm
Pump Rate: (lpm / gpm)
Volume Purged: (gallons) Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 9/28/92 Time: 11:50 Sampler: [illegible]
Approx. sample depth: 270 (ft) Weather: Sun 50s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
VOA	3	HCl
1l plastic	1	As is
1l plastic	1	HNO_3
1l plastic	1	F/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.45	9.9	(9.9) 1.41	x	1.02	x	155	=	223

Sampled while pump was running to prevent purge water from going back into zone from pipe. Approx 47 gallons in pipe

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LIN002 565

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW 28d 350-370
Sample #: [illegible]

Elevation Data

Date: [illegible] Time: [illegible]

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Well Diameter (inches): 6"
Water Column Height: 30' (feet)
gal/foot x 3 factor: x 4
Volume to be Purged: 120 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#:
Sampler:
Weather:
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments: Zone dry before water made it up to the surface. 63 gallons in pipe. Zone producing ~.1 gpm

Purge Data

Start Time: 10:30
Stop Time: 13:35
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/29/92 Time: 13:35 Sampler: [illegible]
Approx. sample depth: 370 (ft) Weather: Sun 60s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID #: Filter ID #:
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Slight cloudiness no odor

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.38	11.1	(11.1) 1.37	x	1.02	x	165	=	231

Pumped at .1 gpm for 1 hr and sampled with pump running

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ADMINISTRATIVE RECORD

LIN002 569

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-28db
Sample #:

FUSS&O'NEILL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
80'-110'			( )		x		x		=	
20 gal	8.18	13.1	(13.1)	1.30	x	1.02	x	130	=	172
40 gal	8.19	11.5	(11.5)	1.35	x	1.02	x	115	=	158
55 gal	8.23	11.7	(11.7)	1.35	x	1.02	x	115	=	158
70 gal	8.20	11.8	(11.8)	1.33	x	1.02	x	120	=	163
			( )		x		x		=	
130'-160'			( )		x		x		=	
15 gal	8.30	11.1	(11.1)	1.37	x	1.02	x	160	=	224
24 gal	8.30	11.6	(11.6)	1.35	x	1.02	x	165	=	227
30 gal	8.36	11.3	(11.3)	1.35	x	1.02	x	165	=	227
			( )		x		x		=	
260'-280'	8.62	10.7	(10.7)	1.39	x	1.02	x	160	=	227
10 gal	8.42	10.4	(10.4)	1.39	x	1.02	x	155	=	220
15 gal	8.40	10.1	(10.1)	1.41	x	1.02	x	155	=	223
18 gal			( )		x		x		=	
			( )		x		x		=	
350-380			( )		x		x		=	
5 gal	8.42	11.7	(11.7)	1.35	x	1.02	x	170	=	234
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 5 9 1

Field Data Sheet

FUSS&O'NEIL Environmental Field Service

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK CT.	Well ID
Sample #: 3519204 21-01	MW-29+

Elevation Data

Date: 4/20/92 Time: 1103 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	24.17	+ 0.41	= 24.58
Bottom of Well	63.32	+ 0.41	= 63.73

Water Column Height: 38.15 (fee
gal/foot x 3 factor: x 1/2
Volume to be Purged: 19 (ga

Measuring Point: TPS / PVC Sampler: MRG / MB
Measuring Device ID#: PVC Tape Weather: cloudy 50s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
~~Rust around Cap: Y / N~~
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC? Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well? Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar? Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments: NO CASING AROUND PVC
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1040
Stop Time: 1112
Total Time Purged: 32 min
Pump Rate: — (lpm / gpm)
Volume Purged: 12 gal (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladde
Comments: WENT DRY
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/21/92 Time: 1115 Sampler: MRG
Approx. sample depth: 60 (ft) Weather: cloudy 60
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, grey, no odor

Container	Quantity	Preservative
VOA	3	HCL
PLASTIC l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=	
Well Volume 2			( )	x	x	=	
Well Volume 3			( )	x	x	=	
Final			( )	x	x	=	

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LIN002 558

Field Parameter Data Sheet

Client/Project Name: LINEMASTER
Project #: 86-88/21
Project Location: WOODSTOCK CT.
Well ID: MW-29
Sample #: 3519204 21-01

FUSS&O'NEILL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 | Instrument ID# 3

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
~~PRST~~			( )		x		x		=	
6 GAL	8.37	11.9°	(11.9)	1.33	x	1.06	x	150	=	211
12 GAL	8.59	13.4°	(13.4)	1.28	x	1.06	x	235	=	319
19 GAL	WEAT	DRY	( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 559

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK CT.	Well ID
Sample #: 351920421-02	MW-29SB

Elevation Data

Date: 4/20/92 Time: 1107 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	28.00	+ 0.41	= 28.41
Bottom of Well	79.58	+ 0.41	= 79.99

Water Column Height: 51.58 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 26.5 (gal)

Measuring Point: TPS / PVC Sampler: MRG / MB
Measuring Device ID#: TAPE Weather: cloudy 50's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well? Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other
Comments: NO CASING / JUST PVC

Purge Data

Start Time: 1156
Stop Time: 1237
Total Time Purged: 41 MIN
Pump Rate: ____ (lpm / gpm)
Volume Purged: 12 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: WENT DRY
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/21/92 Time: 1240 Sampler: MRG
Approx. sample depth: 76 (ft) Weather: cloudy 60's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # ____ Filter ID # ____
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy greyish BROWN, odorless

Container	Quantity	Preservative
VOA	3	HCL
PLASTIC 1	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=
Well Volume 2			( )	x	x	=
Well Volume 3			( )	x	x	=
Final			( )	x	x	=

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LIN002 5 1 0

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88/21
Project Location: WOODSTOCK CT.
Well ID: MW-29 SB
Sample #: 3519204-21-02

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 | Instrument ID# 3

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
9	8.43	12.7	( )1.33	x	1.06	x	220	=	310
18 12	8.48	13.6	( )1.28	x	1.06	x	335	=	455
26.5	WENT	DRY	( )	x	1.06	x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID
Sample #: [illegible]

Elevation Data

Date: Time:
Well Diameter (inches):

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Sampler:
Measuring Device ID#:
Weather:
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____

Comments: Dry after 34 mins. Recharged for 1hr pumped 11more gallons and sampled with pump running

Purge Data

Start Time: 11:45
Stop Time:
Total Time Purged: 39
Pump Rate: (lpm / gpm)
Volume Purged: 41 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 9/30/92 Time: 11:50 Sampler: [illegible]
Approx. sample depth: 120% (ft) Weather: Sun 60°
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other:
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Slight cloudiness no odor

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.28	12.2	(12.2) 1.33	x	1.02	x	170	=	231

Instrument ID# 2

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LIN002 5 1 2

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name:	Project #:
Project Location:	Well ID
Sample #: 3739204 30-09	MW-29db 180'-220'

Elevation Data

Date: Time: Well Diameter (inches): _____

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC Sampler: _____
Measuring Device ID#: _____ Weather: _____
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1428
Stop Time: 1520
Total Time Purged: 52
Pump Rate: _____ (lpm / gpm)
Volume Purged: 90 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: 2gpm field
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/30/92 Time: 1522 Sampler: PRL
Approx. sample depth: 210 (ft) Weather: Sun 50's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Clear no odor

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.11	11.7	(11.7) 1.35	x	1.02	x	155	=	213

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LIN002 5 1 3

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmer Field Servi

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	Well ID
Sample #: 373920501-10	MW-28db 280-320

Elevation Data

Date: Time:

Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: _____
Sampler: _____
Weather: _____
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments: Pumped 25 gallons on 4/30. Left bladders inflated over night and restarted pump on 5/1

Purge Data

Start Time: _____
Stop Time: _____
Total Time Purged: 92 mins
Pump Rate: _____ (lpm / gpm)
Volume Purged: 100 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: 1.5 gpm yield
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 5/1/92 Time: 11:30 Sampler: PDL
Approx. sample depth: 310 (ft) Weather: Sun 50°
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / Well / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 3 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Clear no odes

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3
1l Plastic	1	F/HNO_3
1l Plastic	1	As is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
8.40	11.1	(11.1) 1.37 x 1.02 x 170 =	237

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Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sample #: 373920501-13
Well ID: MW-28db 280'-320' duplicate

Elevation Data

Date: Time:
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level		+	=
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#:
Comments:
Sampler:
Weather:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments: See Sample #373920501-10 for details

Purge Data

Start Time:
Stop Time:
Total Time Purged:
Pump Rate: (lpm / gpm)
Volume Purged: (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 5/1/92 Time: 11:38 Sampler: PJC
Approx. sample depth: 310 (ft) Weather: Sun 50
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 3 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other
Appearance: Clear No odor

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3
1l Plastic	1	F/HNO_3
1l Plastic	1	As is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# c

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
8.38	11.1	(11.1) 1.37 x 102 x 170 =	238

Instrument ID# c

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Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock	**Well ID**
Sample #: 373920501-12	MW-29db 320'-360'

Elevation Data

Date:		Time:		Well Diameter (inches): 6"
	Depth (feet)	+ Correction	= True Depth	Water Column Height: _____ (feet)
Water Level		+	=	gal/foot x 3 factor: x _____
Bottom of Well		+	=	Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC Sampler: _____
Measuring Device ID#: _____ Weather: _____
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None Lock: Good / Broken / None
Well # Visible?: Y / N Rust around Cap: Y / N
Well Cap: Good / Broken / None PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: Sampled while pump was running. Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 11:59 Purge device: Dedicated / Nondedicated
Stop Time: 15:15 Device type: Bailer / Peristaltic / Submersible / Bladder
Total Time Purged: _____ Comments:
Pump Rate: _____ (lpm / gpm)
Volume Purged: 0 (gallons) Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 5/1/92 Time: 1503 Sampler: PMC
Approx. sample depth: 350 (ft) Weather: Sun 50
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Slight Cloudiness no odor

Container	Quantity	Preservative
VOA	3	HCl
1l Plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
8.12	11.2	(11.2) 1.07 x 1.02 x 175 =	245

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LIN002 5 1 5 6

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: MW-29db
Sample #:

FUSS&O'NEILL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
90'-130'			( )		x		x		=	
			( )		x		x		=	
15gal	8.41	12.6	(12.6)	1.32	x	1.02	x	180	=	242
30gal	8.20	12.4	(12.4)	1.32	x	1.02	x	175	=	236
41gal	8.22	12.4	(12.4)	1.32	x	1.02	x	175	=	236
			( )		x		x		=	
			( )		x		x		=	
180'-220'			( )		x		x		=	
			( )		x		x		=	
18	8.48	13.5	(13.5)	1.28	x	1.02	x	180	=	235
36	8.04	12.6	(12.6)	1.32	x	1.02	x	160	=	215
54	8.14	11.6	(11.6)	1.35	x	1.02	x	155	=	213
80	8.10	11.7	(11.7)	1.35	x	1.02	x	155	=	213
90	8.12	11.6	(11.6)	1.35	x	1.02	x	155	=	213
			( )		x		x		=	
280-320			( )		x		x		=	
			( )		x		x		=	
20	8.29	13.0	(13.0)	1.30	x	1.02	x	160	=	212
40	7.60	11.1	(11.1)	1.37	x	1.02	x	180	=	252
55	8.41	10.8	(10.8)	1.37	x	1.02	x	175	=	248
75	8.45	11.0	(11.0)	1.37	x	1.02	x	170	=	238
85	8.40	11.1	(11.1)	1.37	x	1.02	x	170	=	238
100	8.42	11.1	(11.1)	1.37	x	1.02	x	170	=	238
			( )		x		x		=	
			( )		x		x		=	
320-360	~~[illegible]~~		( )		x		x		=	
	would not pump enough water to reach top of casing						x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	

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LIN002 5 1 1

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK CT.	Well ID
Sample #: 351920421-07	MW-30+S

Elevation Data

Date: 4/20/92 Time: 1123 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	6.09	+ —	= 6.09
Bottom of Well	27.95	+ 0.41	= 28.36

Water Column Height: 22.27 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 11.5 (gal)

Measuring Point: TPS / PVC Sampler: MRC / MB
Measuring Device ID#: TAPE / SINCO Weather: cloudy 50s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None Lock: Good / Broken / None
Well # Visible?: Y / N Rust around Cap: Y / N
Well Cap: Good / Broken / None PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: no casing or collars around PVC Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1409
Stop Time: 1422
Total Time Purged: 13 min
Pump Rate: — (lpm / gpm)
Volume Purged: 5.5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: went dry
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/21/92 Time: 1426 Sampler: MRC
Approx. sample depth: 26 (ft) Weather: cloudy 60s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other

Container	Quantity	Preservative
VOA	3	HCL
plastic l	1	HNO_3

Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty, grey, cloudy, slight odor

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1			( )	x	x	=	
Well Volume 2			( )	x	x	=	
Well Volume 3			( )	x	x	=	
Final			( )	x	x	=	

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ADMINISTRATIVE RECORD

LIN002 518

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER		Project #: 86-88/21	
Project Location: WOODSTOCK CT.		Well ID	
Sample #: 3319204-21-07		MW-30+S	

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 Instrument ID# 3

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4 gal	7.09	14.4°	(14.4) 1.26	x	1.06	x	550	=	735
5.5 ~~8~~ gal	7.29	15.7°	(15.2) 1.23	x	1.06	x	600	=	782
12 gal	NMT	Dry	( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LIN002579

Field Data Sheet

FUSS&O'NEILL Environm al Field Serv s

Client/Project Name: LINEMASTER	Project #: 86-88/21
Project Location: WOODSTOCK CT.	Well ID
Sample #: 351920421-06	MW-30+D

Elevation Data

Date: 4/20/92 Time: 1122 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	10.52	+ —	= 10.52
Bottom of Well	40.38	+ 0.41	= 40.79

Water Column Height: 30.17 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 1.5 (gal)

Measuring Point: TPS / PVC Sampler: MRC / MB
Measuring Device ID#: TAPE / SINCO Weather: cloudy 50s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other
Comments: NO CASING OR COLLARS AROUND PVC

Purge Data

Start Time: 1336
Stop Time: 1353
Total Time Purged: 17 min
Pump Rate: — (lpm / gpm)
Volume Purged: 5 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: WELL DRY
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/21/96 Time: 1354 Sampler: MRC
Approx. sample depth: 36 (ft) Weather: cloudy 60s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, gray, silty odorless

Container	Quantity	Preservative
VOA	3	HCL
plastic l	1	HNO3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x Calib Factor	x Conductivity	=	Spec. Cond.
Well Volume 1			( )	x	x		=	
Well Volume 2			( )	x	x		=	
Well Volume 3			( )	x	x		=	
Final			( )	x	x		=	

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LIN002 580

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-88/Z1
Project Location: WOODSTOCK CT.	Well ID
Sample #: 3519204 Z1 - 06	MW-30+D

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 | Instrument ID# 3

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5	8.06	14.8	(14.8) 1.25	x	1.06	x	500	=	662
10	WENT	DRY	( )	x		x		=	
15			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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			( )	x		x		=	
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			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002581

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900713-02	GW-10d6 (68-98)

Elevation Data

Date: 7-13-90 Time: 1030

Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	44.6	+(-1.3)	= 43.3
Bottom of Well	TAPE NOT	LONG ENOUGH	=

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1
Sampler: JTO
Weather: SUNNY, CLEAR

Comments: PACKED OFF ZONE 30 ft x 1.5 gal/ft = 45 gal
SAMPLING PIPE 68-43=25 ft x .15 gal/ft = 3.75 gal 1 vol. + PIPE = 49 gal 3 vol PURGE = 13[illegible]

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1030
Stop Time: 1115
Total Time Purged: 45 min
Pump Rate: 1.3 (lpm / gpm)
Volume Purged: 60 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Blad...
Comments: SWAB
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-13-90 Time: 1115 Sampler: JTO
Approx. sample depth: 68-98 (ft) Weather: CLEAR SUNNY
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
EPA VIAL 40 ml	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.84	14.0	(14.0) 1.27	x	1	x	326	=	414

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 582

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 192100713-02
Well ID: GW-10db (68-78)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5	7.11	15.4	(15.4)	1.23	x	1	x	350	=	431
10	7.53	13.9	(13.9)	1.27	x	1	x	323	=	410
15	7.76	13.9	(13.9)	1.27	x	1	x	321	=	408
20	7.80	13.8	(13.8)	1.27	x	1	x	321	=	408
25	7.85	13.7	(13.7)	1.28	x	1	x	321	=	411
30	7.85	14.1	(14.1)	1.27	x	1	x	325	=	413
35	7.83	13.7	(13.7)	1.28	x	1	x	322	=	412
40	7.85	14.1	(14.1)	1.27	x	1	x	326	=	414
45	7.84	13.8	(13.8)	1.27	x	1	x	326	=	414
50	7.84	14.1	(14.1)	1.27	x	1	x	325	=	413
55	7.84	13.8	(13.8)	1.27	x	1	x	325	=	413
58	7.84	14.0	(14.0)	1.27	x	1	x	325	=	413
60	7.84	13.9	(13.9)	1.27	x	1	x	325	=	413
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 583

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmer Field Servi

Client/Project Name: Linemaster	Project #: 96-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390 12 21-25	GW-1008

68-98'

Elevation Data

Date: 12/3/90 Time: 1630

	Depth (feet)	+ Correction	= True Depth
Water Level	64.0	+ 1.65'	= 65.35'
Bottom of Well		+	=

Well Diameter (inches): 6"

Water Column Height: _____ (feet)

gal/foot x 3 factor: x _____

Volume to be Purged: 135 (gal)

Measuring Point: TPS / PVC Sampler: MJB

Measuring Device ID#: Chalked Tape Weather: Cloudy, 40s

Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair

Is well plumb?: Y / N

Protective Steel: OK / Cracked / Leaking / Bent / Loose / None

Lock: Good / Broken / None

Well # Visible?: Y / N

Rust around Cap: Y / N

Well Cap: Good / Broken / None

PVC Riser: Good / Damaged / None

Evidence of rain water between steel and PVC?: Y / N

Concrete collar: OK / Cracked / Leaking / None

Evidence of ponding around well?: Y / N

Other Evidence of: Rodents / Insects / None

Gopher type holes around collar?: Y / N

Curb Box: N / Y (key is: Hex / Pent / Other)

Comments: not a monitor well

Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: _____

Stop Time: _____

Total Time Purged: _____

Pump Rate: _____ (lpm / gpm)

Volume Purged: 20 (gallons)

Purge device: Dedicated / Nondedicated

Device type: Bailer / Peristaltic / Submersible / Bladder

Comments: Unable to purge with swab

Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/21/90 Time: 1325 Sampler: MJB

Approx. sample depth: 70 (ft) Weather: cloudy, rain, 40s

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____

Bailer cord: Dedicated / Nondedicated

~~Filtered in Field?: No / @Well / @Vehicle~~

~~Method of Filtration: Pressure / Vacuum / Syringe~~

~~Pump ID #~~ ~~Filter ID #~~

~~Field Decon: Bailer / Filter / Tubing / Other~~

Appearance: cloudy, brown, odor present

Container	Quantity	Preservative
VOC vial	2	HCl
plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.25	12.8	(12.8) 1.31	x	1.02	x	260	=	347

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 584

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: GW-10 DB
Sample #: 3139D12 21-25
68-98

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 4 | Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
bailer	8.55	12.5	(12.5)	1.32	x	1.02	x	255	=	343
	8.60	12.5	(12.5)	1.32	x	1.02	x	240	=	323
	8.51	12.4	(12.4)	1.32	x	1.02	x	250	=	337
	8.46	12.6	(12.6)	1.32	x	1.02	x	250	=	337
	8.28	12.6	(12.6)	1.32	x	1.02	x	255	=	343
	8.45	12.4	(12.4)	1.32	x	1.02	x	255	=	343
	8.46	12.3	(12.3)	1.32	x	1.02	x	260	=	350
	8.43	12.5	(12.5)	1.32	x	1.02	x	260	=	350
	8.43	12.5	(12.5)	1.32	x	1.02	x	260	=	350
	8.41	12.4	(12.4)	1.32	x	1.02	x	260	=	350
	8.37	12.5	(12.5)	1.32	x	1.02	x	259	=	349
	8.24	12.5	(12.5)	1.32	x	1.02	x	260	=	350
	8.27	12.7	(12.7)	1.31	x	1.02	x	260	=	347
	8.16	12.5	(12.5)	1.32	x	1.02	x	259	=	349
	8.25	12.8	(12.8)	1.31	x	1.02	x	260	=	347
20 gal			( )		x	1	x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 585

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environment Field Servic

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900713-03	GW-10db (100-130)

Elevation Data

Date: 7-13-90 Time: 1145 Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	46.3	+ (-1.3)	= 45
Bottom of Well	TAPE NOT	+ LONG ENOUGH	

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC Sampler: JTO
Measuring Device ID#: 1 Weather: SUNNY, CLEAR
Comments: PACKED OFF ZONE 30 ft x 1.5 gal/ft = 45 gal
SAMPLING PIPE 100 - 45 = 55 x .15 gal/ft = 8 gal INSIDE 53 gal 3 vol PACKER = 135

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 1145
Stop Time: 1230
Total Time Purged: 45
Pump Rate: 1.3 (lpm / gpm)
Volume Purged: 60 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAG
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-13-90 Time: 1230 Sampler: JTO
Approx. sample depth: 100-130 (ft) Weather: SUNNY, CLEAR
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: PIECES OF BLACK ORGANICS

Container	Quantity	Preservative
EPA VIAL 40 ml	2	5N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
FINAL	8.15	13.0	(13.0) 1.30	x	1	x	320	=	416

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ADMINISTRATIVE RECORD

LIN002 5 8 6

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Sample #: 192900713-03
Well ID: GW-10db (100-130)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2									Instrument ID#	4
GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=		Spec. Cond.
5	7.96	15.6	(15.6)	1.22	x	1	x	340	=		415
10	7.94	13.3	(13.3)	1.28	x	1	x	322	=		412
15	8.26	13.1	(13.1)	1.30	x	1	x	321	=		417
20	8.29	13.1	(13.1)	1.30	x	1	x	321	=		417
25	8.24	13.2	(13.2)	1.30	x	1	x	320	=		416
30	8.21	13.3	(13.3)	1.29	x	1	x	320	=		413
35	8.16	13.2	(13.2)	1.30	x	1	x	320	=		416
40	8.19	13.0	(13.0)	1.30	x	1	x	320	=		416
45	8.17	13.0	(13.0)	1.30	x	1	x	320	=		416
50	8.18	13.2	(13.2)	1.30	x	1	x	320	=		416
55	8.15	13.0	(13.0)	1.30	x	1	x	320	=		416
58	8.15	13.0	(13.0)	1.30	x	1	x	320	=		416
60	8.15	13.0	(13.0)	1.30	x	1	x	320	=		416
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
			( )		x		x		=		
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			( )		x		x		=		
			( )		x		x		=		

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ADMINISTRATIVE RECORD

LIN002 581

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servi

Client/Project Name: Linemaster	Project #: 8688
Project Location: Woodstock, CT	Well ID
Sample #: 373901221-24	GW-10 DB

100-130'

Elevation Data

Date: 12/3/90 Time: 1630 Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	64.0	+ 1.65'	= 62.35'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 140 (gal)

Measuring Point: TPS / PVC bottom edge of manhole Sampler: MJB
Measuring Device ID#: checked Tape Weather: cloudy, 40s
Comments: 0 ppm on HNu 75 ppm while purging at drum 2 ppm in breathing zone

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments: not a monitor well

Purge Data

Start Time: _____
Stop Time: _____
Total Time Purged: _____
Pump Rate: _____ (lpm / gpm)
Volume Purged: 80 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Blad...
Comments: parker/small
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/21/90 Time: 12:30 Sampler: MJB
Approx. sample depth: 100 (ft) Weather: cloudy, 17 rain, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~ _____
Appearance: cloudy, black, odor present

Container	Quantity	Preservative
VOA vial	2	HCl
plastic	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.50	12.0	(12.0) 1.33	x	1.02	x	240	=	325

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002588

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: GW-100R
Sample #: 3-13-90 12:21-24
100-1301

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 4

pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8.35	12.2	(12.2)	1.32	x	1.02	x	249	=	335
8.34	12.0	(12.0)	1.33	x	1.02	x	248	=	336
8.25	12.0	(12.0)	1.33	x	1.02	x	248	=	336
8.25	11.9	(11.9)	1.33	x	1.02	x	245	=	332
8.24	11.9	(11.7)	1.34	x	1.02	x	245	=	335
8.28	11.7	(11.7)	1.34	x	1.02	x	245	=	335
8.37	11.8	(11.8)	1.34	x	1.02	x	241	=	329
8.35	11.8	(11.8)	1.34	x	1.02	x	245	=	335
8.34	11.7	(11.7)	1.34	x	1.02	x	241	=	329
8.43	12.0	(12.0)	1.33	x	1.02	x	241	=	327
8.43	11.7	(11.7)	1.34	x	1.02	x	241	=	329
8.38	11.7	(11.7)	1.34	x	1.02	x	240	=	328
8.39	12.0	(12.0)	1.33	x	1.02	x	240	=	325
8.60	12.1	(12.1)	1.33	x	1.02	x	240	=	325
8.60	12.1	(12.1)	1.33	x	1.02	x	240	=	325
8.59	12.0	(12.0)	1.33	x	1.02	x	240	=	325
80 gal		( )		x		x		=	
moderate		( )		x		x		=	
rchrg		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	
		( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 5 8 9

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: GW-10 d6 (290-320)
Sample #: 192900713-04

Elevation Data

Date: 7-13-90 Time: 1305
Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	47.0	+ (-1.3)	= 45.7
Bottom of Well	TAPE NOT LONG ENOUGH		

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: (gal)

Measuring Point: TPS / PVC
Sampler: JTO
Measuring Device ID#: 1
Weather: SUNNY, CLEAR
Comments: PACKED OFF ZONE 30 ft x 1.5 gal/ft = 45 gal
SAMPLING PIPE 290 - 46 = 244 x .15 gal/ft = 37 gal 1 VOLUME = 82 3 vol PACKER = 135

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1305
Stop Time: 1345
Total Time Purged: 40
Pump Rate: 4.1 (lpm / gpm)
Volume Purged: 165 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Blad.
Comments: SUB
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7-13-90 Time: 1345 Sampler: JTO
Approx. sample depth: 290-320 (ft) Weather: CLEAR, SUNNY
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: PIECES OF BLACK ORGANICS

Container	Quantity	Preservative
EPA VIAL 40 ml	2	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
FINAL	8.07	12.5	(12.5)	1.32	x	1	x	300	=	396

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Replicate Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID: GW-10db (290-320)
Sample #: 192100713-04

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10	7.99	17.7	(17.7)	1.16	x	1	x	350	=	406
20	8.12	12.7	(12.7)	1.32	x	1	x	319	=	421
30	7.99	12.1	(12.1)	1.33	x	1	x	310	=	412
40	8.03	12.5	(12.5)	1.32	x	1	x	311	=	411
50	8.13	12.1	(12.1)	1.33	x	1	x	310	=	412
60	8.15	12.2	(12.2)	1.33	x	1	x	310	=	412
70	8.17	12.4	(12.4)	1.32	x	1	x	310	=	409
80	8.12	12.4	(12.4)	1.32	x	1	x	310	=	409
90	7.97	12.3	(12.3)	1.32	x	1	x	310	=	409
100	7.97	12.6	(12.6)	1.31	x	1	x	310	=	406
110	7.75	12.5	(12.5)	1.32	x	1	x	310	=	409
120	7.74	12.5	(12.5)	1.32	x	1	x	310	=	409
130	7.87	12.2	(12.2)	1.33	x	1	x	309	=	411
140	7.90	12.5	(12.5)	1.32	x	1	x	305	=	403
150	7.99	12.2	(12.2)	1.33	x	1	x	300	=	399
155	7.92	12.3	(12.3)	1.32	x	1	x	300	=	396
160	8.11	12.5	(12.5)	1.32	x	1	x	300	=	396
165	8.07	12.5	(12.5)	1.32	x	1	x	300	=	396
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 159

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Serv

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 31390121-21

Well ID
GW-10 DB
290-320'

Elevation Data

Date: 12/3/90 Time: 1630

	Depth (feet)	+ Correction	= True Depth
Water Level	64.0	- 1.65'	= 62.35'
Bottom of Well		+	=

Well Diameter (inches): 6"
Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 170 (gal)

Measuring Point: TPS / PVC bottom edge of manhole
Measuring Device ID#: chalked Tape
Sampler: MJB
Weather: cloudy, 40s
Comments: 0 ppm on HNu 50 ppm while purging (varied) at drum

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
Curb Box Gasket: OK / Replace / Other _____
Comments: not a monitor well

Purge Data

Start Time: ——
Stop Time: ——
Total Time Purged: ——
Pump Rate: _____ (lpm / gpm)
Volume Purged: 220 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bl
Comments: packer/swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/21/90 Time: 10:20 Sampler: MJB
Approx. sample depth: 300 (ft) Weather: cloudy, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other packer
Appearance: cloudy, dk. brown, silty, odor present

Container	Quantity	Preservative
VOA vial	2	HCl
plastic	1	HNO_3
plastic	1	F/HNO_3
plastic	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.99	11.2	(11.2) 1.36	x	1.02	x	241	=	334

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LIN002 5 6 2

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: GW-10DB 290-320'
Sample #: 31390[illegible]-21

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	7.54	10.3	(10.3)	1.40	x	1.02	x	239	=	341
	7.78	11.2	(11.2)	1.36	x	1.02	x	231	=	320
	7.80	10.9	(10.9)	1.37	x	1.02	x	235	=	328
	[illegible]	10.9	(10.9)	1.37	x	1.02	x	239	=	334
	7.93	10.9	(10.9)	1.37	x	1.02	x	239	=	334
	7.99	11.1	(11.1)	1.37	x	1.02	x	240	=	335
	8.07	11.0	(11.0)	1.39	x	1.02	x	241	=	337
	7.99	11.2	(11.2)	1.36	x	1.02	x	241	=	334
220 gal Total			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 593

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900716-02 & -03 (DUP)	GW-12db (95-135)

Elevation Data

Date: 7-16-90 Time: 0830 Well Diameter (inches): 6

	Depth (feet)	+ Correction	= True Depth
Water Level	57.66	+ (-1.42)	= 56.24
Bottom of Well	130.87	+ 0	= 130.87

Water Column Height: SEE (feet)
gal/foot x 3 factor: x COMMENTS
Volume to be Purged: (gal)

Measuring Point: (TPS) / PVC Sampler: JTO
Measuring Device ID#: STEEL TAPE #1 Weather: SUNNY, CLEAR
Comments: PACKER – 40 ft SPACING x 1.5 gal/ft = 60 SAMPLING PIPE 95-56=39 x .15 gal/ft = 6 vol + PIPE = 66 gal 3 od PACKER = 180 gal

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / (Needs Repair) Is well plumb?: (Y) / N
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None Lock: Good / Broken / (None)
Well # Visible?: Y / (N) Rust around Cap: (Y) / N
Well Cap: (Good) / Broken / None PVC Riser: Good / Damaged / (None)
Evidence of rain water between steel and PVC?: (Y) / N Concrete collar: OK / Cracked / Leaking / (None)
Evidence of ponding around well?: (Y) / N Other Evidence of: Rodents / Insects / (None)
Gopher type holes around collar?: Y / (N) Curb Box: (N) / Y (key is: Hex / Pent / Other)
Comments: OLD PRODUCTION WELL Curb Box Gasket: OK / Replace / Other NONE
WELL AT BOTTOM OF 7' MANHOLE

Purge Data

Start Time: 1000
Stop Time: 1130
Total Time Purged: 1.5 HR
Pump Rate: 2.4 (lpm / gpm)
Volume Purged: 220 (gallons)

Purge device: Dedicated / (Nondedicated)
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: SWAB
Well Yield: (High) / Moderate / Low / Dry

Sample Data

Date: 7-16-90 Time: 1000 Sampler: JTO
Approx. sample depth: 95-135 (ft) Weather: SUNNY, CLEAR
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: (Dedicated) / Nondedicated
Filtered in Field? (No) / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: BROWN COLORED

Container	Quantity	Preservative
EPA VIAL 40 ml	2	3N HCL
PLASTIC 1000 ml	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2			Instrument ID#	4
	pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =		Spec. Cond.
FINAL	8.03	13.2	(13.2) 1.29 x 1 x 200 =		258

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LIN002 554

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER	Project #:
Project Location: WOODSTOCK, CT	Well ID
Sample #: 142900716-02 1-03 (DUP)	GW-12db (95-135)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 4

GALLONS	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10	8.57	19	(19)	1.13	x	1	x	160	=	181
20	8.05	14.5	(14.5)	1.26	x	1	x	210	=	265
30	8.00	13.5	(13.5)	1.28	x	1	x	200	=	256
40	8.10	12.7	(12.7)	1.31	x	1	x	195	=	256
50	8.10	13.1	(13.1)	1.29	x	1	x	193	=	249
60	8.11	13.2	(13.2)	1.29	x	1	x	199	=	257
70	8.10	13.1	(13.1)	1.29	x	1	x	195	=	252
80	8.10	12.9	(12.9)	1.31	x	1	x	200	=	262
90	8.14	12.8	(12.8)	1.31	x	1	x	200	=	262
100	8.01	12.8	(12.8)	1.31	x	1	x	200	=	262
110	7.95	13.2	(13.2)	1.29	x	1	x	201	=	259
120	8.05	13.0	(13.0)	1.30	x	1	x	200	=	260
130	8.14	13.1	(13.1)	1.29	x	1	x	200	=	258
140	8.08	13.3	(13.3)	1.29	x	1	x	202	=	261
150	8.06	13.0	(13.0)	1.30	x	1	x	201	=	261
160	8.02	12.8	(12.8)	1.31	x	1	x	200	=	262
170	8.04	12.8	(12.8)	1.31	x	1	x	200	=	262
180	8.04	13.1	(13.1)	1.29	x	1	x	202	=	261
190	8.07	13.7	(13.7)	1.26	x	1	x	210	=	265
200	7.91	12.9	(12.9)	1.31	x	1	x	202	=	265
210	7.96	13.1	(13.1)	1.29	x	1	x	202	=	261
213	7.91	12.9	(12.9)	1.31	x	1	x	201	=	263
217	8.00	13.1	(13.1)	1.29	x	1	x	201	=	259
220	8.03	13.2	(13.2)	1.29	x	1	x	200	=	258
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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			( )		x		x		=	
			( )		x		x		=	

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LIN002 565

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, Ct	Well ID
Sample #: 31396220-18	GW-12DB 95-135'

Elevation Data

Date: 12/3/90 / 12/20/90 Time: 1445

Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	45.13'	+ 0.0	= 45.13'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: 200 (gal)

Measuring Point: TPS / PVC concrete Sampler: MJB
Measuring Device ID#: m. scope Weather: Cloudy, 40s
Comments: Incorrect reading Taken on 12/3 DTW w/packer 44.05'
0 ppm on HNu

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments: not a monitor well
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: —
Stop Time: —
Total Time Purged: —
Pump Rate: — (lpm / gpm)
Volume Purged: 400 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/20/90 Time: 0945 Sampler: MJB
Approx. sample depth: 100 (ft) Weather: Sunny, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
voa vial	3	HCl
plastic	1	HNO_3
plastic	1	F/HNO_3
plastic	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7.66	10.9	(10.9) 1.37	x	1.03	x	181	=	255

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LIN002 5 9 6

Replicate Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: GW-12D8 95-135'
Sample#: 3139012020-18

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
	7.09	10.8	(10.8)	1.38	x	1.03	x	157	=	223
	6.97	10.9	(10.9)	1.37	x	1.03	x	140	=	198
	7.0	10.8	(10.8)	1.38	x	1.03	x	165	=	234
	7.11	10.9	(10.9)	1.37	x	1.03	x	165	=	233
	7.14	11.0	(11.0)	1.37	x	1.03	x	172	=	243
	7.20	10.9	(10.9)	1.37	x	1.03	x	175	=	247
	7.21	10.8	(10.8)	1.38	x	1.03	x	172	=	244
	7.24	10.9	(10.9)	1.37	x	1.03	x	180	=	254
	7.33	10.8	(10.8)	1.38	x	1.03	x	179	=	254
	7.45	10.9	(10.9)	1.37	x	1.03	x	181	=	255
	7.54	10.9	(10.9)	1.37	x	1.03	x	180	=	254
	7.55	10.5	(10.5)	1.39	x	1.03	x	180	=	258
	7.61	10.9	(10.9)	1.37	x	1.03	x	181	=	255
	7.63	11.0	(11.0)	1.37	x	1.03	x	180	=	254
400 gal	7.64	10.9	(10.9)	1.37	x	1.03	x	181	=	255
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LIN002 5 9 1

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313900725-18	MW-EPA-A1

Elevation Data

Date: 7/25/90 Time: 9:05 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	13.00	+ -0.60	= 12.40
Bottom of Well	29.96	+ —	= 29.96

Water Column Height: 17½ (feet)
gal/foot x 3 factor: x ½
Volume to be Purged: 8¼ (gal)

Measuring Point: TPS / PVC Sampler: JLR
Measuring Device ID#: Chalked steel tape Weather: cloudy, 80's
Comments: Cvm = 19 max ppm after opening well (+ non-vented PVC cap) - 0.1 ppm prior to purging

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 9:18
Stop Time: 9:40
Total Time Purged: 22 mins
Pump Rate: — (lpm / gpm)
Volume Purged: 8½ (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/25/90 Time: 9:50 Sampler: JLR
Approx. sample depth: 26 (ft) Weather: cloudy, 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # — Filter ID # —
Field Decon: Bailer / Filter / Tubing / Other tape
Appearance: cloudy, slightly silty, no odor

Container	Quantity	Preservative
40 ml V	2	I/HCl
1 l P	1	I/HNO_3

Field Parameters

Note: SC calculation based on (temperature) of SC probe.

Instrument ID# 4 Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.42	10.6	(11.3)	1.35	x	1.04	x	310	=	435
Well Volume 2	6.66	10.3	(10.9)	1.37	x	1.04	x	305	=	435
Well Volume 3	7.08	10.3	(10.7)	1.39	x	1.04	x	320	=	463
Final	6.98	10.8	(11.3)	1.35	x	1.04	x	340	=	477

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LIN002 558

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 3139012ID-25
Well ID: MW-EPA-AT

Elevation Data

Date: 12/3/90 Time: 1547
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	12.20'	+ 1.49'	= 10.71
Bottom of Well	29.47'	+ 0.47'	= 29.94

Water Column Height: 19 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 9.5 (gal)

Measuring Point: TPS/PVC
Sampler: MJB
Measuring Device ID#: Chalked Tape
Weather: cloudy, 40s
Comments: 300 ppm on HNu upon opening well

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 10:50
Stop Time: 11:05
Total Time Purged: 15 min
Pump Rate: (lpm / gpm)
Volume Purged: 10 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/3/90 Time: 11:15 Sampler: MJB
Approx. sample depth: 29 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic - l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 4

pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
7.14	10.2	(10.2) 1.4	x 1.04	x 281	= 412

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LIN002 559

Replicate Field Data Sheet

FUSS&O'NEILL
Environment[illegible]
Field Servic[illegible]

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390 1210-25	MW-EPA-AT

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	1							Instrument ID#		4
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4 gal	7.19	10.9	(10.9)	1.37	x	1.04	x	271	=	386
7 gal	7.11	10.5	(10.5)	1.39	x	1.04	x	280	=	405
9 gal	7.14	10.2	(10.2)	1.41	x	1.04	x	281	=	412
			( )		x		x		=	
			( )		x		x		=	
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Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: EPA-Td
Sample #: 313910612-15

Elevation Data

Date: 6/10/91 Time: 1700
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	30.50'	- 1.11'	= 29.39'
Bottom of Well	64.51'	+ 0.45	= 64.96'

Water Column Height: 36 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 18 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: chalk + S.S. Tape
Sampler: MJB, RRK
Weather: sunny, 90s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N * on well doesn't agree w/ correct name
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket:~~ OK / Replace / Other _____

Purge Data

Start Time: 1506
Stop Time: 1549
Total Time Purged: 43 min
~~Pump Rate:~~ _____ (lpm / gpm)
Volume Purged: 9 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: dry at 9 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/12/91 Time: 1600 Sampler: RRK
Approx. sample depth: 64 (ft) Weather: m. cloudy muggy 80°
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: silty brownish gray no odor

Container	Quantity	Preservative
VOA	✓ 2	HCl
plastic	✓ 1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 | Instrument ID# 1

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Well Volume 1	8.42	11.8	(12.2) 1.33	x 1.04	x 259	= 358
Well Volume 2	8.17	11.8	(12.1) 1.33	x 1.04	x 275	= 380
Well Volume 3	8.26	12.5	(12.4) 1.32	x 1.04	x 272	= 373
Final	8.33	12.2	(12.1) 1.33	x 1.04	x 275	= 380

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Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster	Project #: 86-86/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920108-36	MW-EPA-ATD

Elevation Data

Date: 1/2/92 Time: 1335 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	25.22'	+ 0.41'	= 25.63'
Bottom of Well	64.93'	+ 0.41'	= 65.34'

Water Column Height: 40 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 20 (gal)

Measuring Point: TPS / PVC Sampler: MTB, MRG
Measuring Device ID#: Tape Weather: Cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1450
Stop Time: 1506
Total Time Purged: 16 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 7.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladd
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/8/92 Time: 1530 Sampler: MTB
Approx. sample depth: 60 (ft) Weather: Sunny, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 3
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, gray, silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO_3
~~Plastic-l~~	~~1~~	~~F/HNO_3~~
Plastic-l	1	As Is
~~Amber-l~~	~~1~~	~~As Is~~

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		( ) x x =	

Unable To filter, extremely silty
– filtered next morning –

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Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 3139201 08-36	MW-EPA-ATD

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
7 gal - dry	8.54	10.0	(16.0)	1.41	x	1.04	x	177	=	259
			( )		x		x		=	
			( )		x		x		=	
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LIN002603

Field Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 31791060 12-16	EPA-Asb

Elevation Data

Date: 6/10/91 Time: 1651

Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	42.00'	- 1.79'	= 40.21'
Bottom of Well	82.50'	+ 0.45'	= 82.95'

Water Column Height: 42 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 21 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Chalk + S.S. Tape
Comments:

Sampler: MJB, RFK
Weather: Sunny, 96s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1506
Stop Time: 1540
Total Time Purged: 34 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 8 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/12/91 Time: 1600 Sampler: MJB
Approx. sample depth: 81 (ft) Weather: cloudy windy 80°
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty grayish brown over present

Container	Quantity	Preservative
Voa vial	✓ 2	HCl
plastic-l	✓ 1	HNO_3
plastic-l	✓ 1	F/HNO_3
plastic-l	✓ 1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 1

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.61	11.6	(11.7) 1.34	x	1.04	x	360	=	502
Well Volume 2	8.75	11.8	(11.8) 1.34	x	1.04	x	340	=	474
Well Volume 3		DRY after	(8.96)	x		x		=	~~474~~
Final	8.68	11.8	(11.8) 1.34	x	1.04	x	345	=	481

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Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER	Project #: 86-55/21
Project Location: WOODSTOCK CT	Well ID
Sample #: 313920108-35	MW-EPA-A5b

P.B. 10/1/92

Elevation Data

Date: 1/8/92 Time: 1333 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	34.58	+ 0.41	= 34.99
Bottom of Well	82.38	+ 0.41	= 82.79

Water Column Height: 47.80 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 24 (gal)

Measuring Point: TPS / PVC Sampler: MJB, MRC
Measuring Device ID#: TAPE Weather: Cloudy 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1410
Stop Time: 1450
Total Time Purged: 40 Min
Pump Rate: (lpm / gpm)
Volume Purged: 12 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: WELL WAS DRY
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/8/92 Time: 1458 Sampler: MRC
Approx. sample depth: 80 (ft) Weather: SUNNY 40
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 3
Field Decon: Bailer / Filter / Tubing / Other
Appearance: SILTY, GREY, odor

Container	Quantity	Preservative
VOA	2 ✓	HCL
PLASTIC	1 l ✓	NS IS
PLASTIC	1 l ✓	HNO_3
PLASTIC	1 l ✓	F/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
SEE	DATA	( ) SHEET x SEE x DATA =	SHEET

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LIN002 505

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: LINEMASTER	Project #: 86-58/21
Project Location: WOODSTOCK CT.	Well ID
Sample #: 313920108-35	MW EPA-ASb

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 — Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
8	9.90	8.7	(8.7)	1.46	x	1.00	x	250	=	365
16	WPII	WAT	( )	DRY	x	DRY	x	DRY	=	DRY
24			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 [redacted] 6 0 6

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID
Sample #: 192906710-04
Trip Blank

Sample Data

Date: 1-10-90 Time: 1500
Sampler: STO Weather: SUNNY CLEAR
Blank Supplied By: (Lab) F&O / Other _____

Container	Quantity	Preservative
EPA VIAL 40 ml	1	3N HCL

Comments:

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ADMINISTRATIVE RECORD

LIN002 6071

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environment-
Field Servic

Client/Project Name: LINEMASTER
Project #: 86-08
Project Location: WOODSTOCK, CT
Well ID
Sample #: 192900711-06
Trip Blank

Sample Data

Date: 7-11-90 Time: 1510
Sampler: JTD Weather: SUNNY, CLEAR
Blank Supplied By (Lab) F&O / Other _____

Container	Quantity	Preservative
EPA VIAL 40 ml	1	3N HCL

Comments:

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ADMINISTRATIVE RECORD

LIN002
0598

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID
Sample #: 192400712-01
Trip Blank

Sample Data

Date: 7-12-90 Time: 0730
Sampler: TTO Weather: CLEAR
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
EPA VIAL 40 ml	1	3N HCL

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 609

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192900716-01	Trip Blank

Sample Data

Date: 7-16-90 Time: 0935

Sampler: JTO Weather: CLEAR, SUNNY

Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
EPA VIAL 40ml	1	3N HCL

Comments:

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LIN002 6 1 0

Equipment Blank Field Data Sheet

FUSS&O'NEIL INC.
Environmental
Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID
Sample #: [illegible] 05
Equip Blank

Sample Data

Date: 7-10-90 Time: 1530
Sampler: TD Weather: SUNNY CLEAR
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other PACKER
Filtered In Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Filter / Tubing / Other _____
Appearance: CLEAR
Comments:

Container	Quantity	Preservative
EPA VAL 40 ml	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 1 1 1

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER
Project #: 86-88
Project Location: WOODSTOCK, CT
Well ID
Sample #: 192100111-05
Equip Blank

Sample Data

Date: 7-11-90 Time: 1700
Sampler: JTD Weather: CLEAR, SUNNY
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other PACKER
Filtered in Field? No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Filter / Tubing / Other _____
Appearance: CLEAR

Comments:

Container	Quantity	Preservative
EPA VIAL 40 ML	3	3N HCL
PLASTIC 1000 ml	1	HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002 9 1 2

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 112990712-06	Equip Blank

Sample Data

Date: 7-12-90 Time: 1145
Sampler: JTO Weather: RAINING
Blank Water Supplied By Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other PACKER
Filtered in Field?: No @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Filter / Tubing / Other _____
Appearance: CLEAR

Comments:

Container	Quantity	Preservative
EPA VIAL 40 ml	2	3N HCL
PLASTIC 1000 ml	1	HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002 613

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: LINEMASTER	Project #: 86-88
Project Location: WOODSTOCK, CT	Well ID
Sample #: 192100713-05	Equip Blank

Sample Data

Date: 7-13-90 Time: 1733
Sampler: JTO Weather: CLEAR
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other PACKER
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
EPA VIAL 40 ml	2	3N HCL
PLASTIC 1000 ml	1	HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002
419

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER
Project #: 0688
Project Location: WOODSTOCK, CT
Well ID / Equip Blank
Sample #: [illegible]

Sample Data

Date: 7-16-90 Time: 1730
Sampler: STD Weather: CLEAR
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other PACKER
Filtered in Field? No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
EPA VIAL 40 ml	2	3N HCL
PLASTIC 1000 ml	1	HNO_3

Comments:

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LIN002 9 1 5

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Well ID: Trip Blank
Sample #: 3139000723-02

Sample Data	Container	Quantity	Preservative
Date: 7/23/90 Time: 1017	VOA vial	1	ICE
Sampler: HSB Weather: cloudy, 80s			
Blank Supplied By Lab / F&O / Other _____			

Comments:

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ADMINISTRATIVE RECORD

LIN002 9116

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313900123-06
Equip Blank

Sample Data

Date: 3/23/90 Time: 16:55
Sampler: JCR Weather: Cloudy 60's
Blank Water Supplied By: (Lab) / F&O / Other _____
Equipment Used: (Bailer) / Filter / Pump / Other _____
Filtered in Field?: (No) @Vehicle
~~Method of Filtration: Pressure / Vacuum / Syringe~~
Pump ID # _____ Filter ID # _____
~~Field Decon: Filter / Tubing / Other~~ _____
Appearance:
clear, no odor
Comments:

Container	Quantity	Preservative
40ml V	3	I/H
1l P	1	I/HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002 9 1 7

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313900724-16	Equip Blank

Sample Data

	Container	Quantity	Preservative
Date: 7/24/90 Time: 1630 Sampler: JLR Weather: cloudy 80's Blank Water Supplied By: (Lab) / F&O / Other _____ Equipment Used: (Bailer) / Filter / Pump / Other _____ Filtered in Field? (No) / @Vehicle ~~Method of Filtration: Pressure / Vacuum / Syringe~~ Pump ID # — Filter ID # — Field Decon: Filter / Tubing / Other _____ Appearance: clear, no odor Comments:	40mL V	3	I/HCl
	1L A	1	I
	1L P	1	I/HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002 5 1 8

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-18B
Sample #: 3439 1062

Elevation Data

3439 10701-34 ~~130' to 140~~ 130' to 160'

Date: 7/1/91 Time: 8:40

	Depth (feet)	+ Correction	= True Depth
Water Level	4.15.00	+ —	= 4.15.00
Bottom of Well	—	+ —	= —

Well Diameter (inches): 6"
Water Column Height: 30' (feet)
gal/foot x factor: x 1.5
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Flat Tape
Sampler: CJ
Weather: Clear 70s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 8:47
Stop Time: 9:10
Total Time Purged: _____
Pump Rate: _____ (lpm / gpm)
Volume Purged: 470 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/1/91 Time: 9:13 Sampler: CJ
Approx. sample depth: _____ (ft) Weather: Clear 70s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 2
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric
P	1	Filter Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ See Replicate data sheet Instrument ID# _____

	pH	Temp	(Temp)Corr Factor	x Calib Factor	x Conductivity	= Spec. Cond.
Volume 1			( )	x	x	=
Well Volume 2			( )	x	x	=
Well Volume 3			( )	x	x	=
Final			( )	x	x	=

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9519

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock	Well ID
Sample #: 343910701 – 34	MW-18D (130-160)

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
55 gal	8.62	10.9	( ) 1.37	x	0.99	x	150	=	203
65 gal	8.61	10.9	( ) 1.37	x	0.99	x	150	=	203
70 gal	8.60	10.9	( ) 1.37	x	0.99	x	150	=	203
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN0002620

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 3413910701-35
Well ID: MW-18D
160' + 190'

Elevation Data

Date: 7/1/91 Time: 9:39

	Depth (feet)	+ Correction	= True Depth
Water Level	45.20	+ —	= 45.20
Bottom of Well	—	+ —	= —

Well Diameter (inches): 6"
Water Column Height: 30 (feet)
gal/foot x X factor: x 1.6
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' flat Tape
Sampler: JF
Weather: Clear 70's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 9:41
Stop Time: 10:08
Total Time Purged: _____
Pump Rate: _____ (lpm / gpm)
Volume Purged: 44 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Surge
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 7/1/91 Time: 10:08 Sampler: JF
Approx. sample depth: 190 (ft) Weather: Clear 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ See Replicate data sheet Instrument ID# _____

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Volume 1			( )		x		x		=	
Volume 2			( )		x		x		=	
Volume 3			( )		x		x		=	
Final			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 621

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-18d6 160'-190'
Sample #: 343910701-35

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.60	11.5	( )	1.35	x	0.99	x	150	=	200
30 gal	8.64	10.9	( )	1.37	x	0.99	x	148	=	201
50 gal	8.65	10.9	( )	1.37	x	0.99	x	148	=	201
60 gal	8.66	10.7	( )	1.39	x	0.99	x	148	=	204
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 1622

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project Location: Woodstock, ct
Sample #: 3139112227-23

Project #: 86-88/21
Well ID: NW-18db
70-100'

Elevation Data

Date: 12/27/91 Time: 9:50

	Depth (feet)	+ Correction	= True Depth
Water Level	38.61'	+ 0.46'	= 39.07'
Bottom of Well	not measured	+	=

Well Diameter (inches): 6"
Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB
Weather: sunny, 20s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Well # Visible?: Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC?: Y / N
Evidence of ponding around well?: Y / N
Gopher type holes around collar?: Y / N
Comments:

Is well plumb?: Y / N
Lock: Good / Broken / None
Rust around Cap: Y / N
PVC Riser: Good / Damaged / None
Concrete collar: OK / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / None
Curb Box: N / Y (key is: Hex / Pent / Other)
~~Curb Box Gasket: OK / Replace / Other~~ ____

Purge Data

Start Time: 10:53
Stop Time: 11:00
Total Time Purged: 7 min.
Pump Rate: ~1.0 (lpm / gpm)
Volume Purged: 10 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/27/91 Time: 11:20 Sampler: MJB
Approx. sample depth: 40 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ____ ~~Filter ID #~~ ____
~~Field Decon: Bailer / Filter / Tubing / Other~~ ____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 2 3

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: [illegible]
Sample #: 3139[illegible]-23 [illegible]
70-100'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
dry at 10 gal	8.90	6.8	(6.8)	1.55	x	1.06	x	123	=	202
let recharge			( )		x		x		=	
10 min.			( )		x		x		=	
dry again			( )		x		x		=	
after ~2 gal			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 624

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-18db
Sample #: 3139.12.27-24 -26 Duplicate
130-160'

Elevation Data

Date: 12/27/91 Time: 9:50
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	38.61'	+ 0.46'	= 39.07'
Bottom of Well	not measured	+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Tape
Weather: Sunny, 20s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ _____

Purge Data

Start Time: 11:45
Stop Time: 11:54
Total Time Purged: 9 min.
Pump Rate: ~7 (lpm / gpm)
Volume Purged: 58 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/27/91 Time: 12:15 Sampler: MJB
Approx. sample depth: 40' (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 5 Filter ID # 5
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Cloudy, brown, no odor

Container	Quantity	Preservative
voa vial	3	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ Instrument ID# _____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9225

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID [redacted]
Sample #: 31391227 [redacted] - 26 duplicate
130-160'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# [redacted]

	pH	Temp °C	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	8.93	[redacted]	(9.8)	1.42	x	1.06	x	139	=	[redacted]
40 gal	9.02	[redacted]	(9.9)	1.42	x	1.06	x	135	=	[redacted]
55 gal	9.04	[redacted]	(9.8)	1.42	x	1.06	x	136	=	[redacted]
56 gal	9.00	[redacted]	(10.0)	1.41	x	1.06	x	131	=	[redacted]
57 gal	8.99	[redacted]	(9.8)	1.42	x	1.06	x	137	=	[redacted]
58 gal	8.99	[redacted]	(9.7)	1.42	x	1.06	x	137	=	[redacted]
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 [redacted] 626

Monitoring Well Field Data Sheet

FUSS & O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-18db
Sample #: 3139 1227 25
160-190'

Elevation Data

Date: 12/27/91 Time: 9:50
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	38.61'	+ 0.46'	= 39.07'
Bottom of Well	not measured	+	=

Water Column Height: / (feet)
gal/foot x 3 factor: x /
Volume to be Purged: (gal)

Measuring Point: TPS / PVC
Sampler: MJK
Measuring Device ID#: Tape
Weather: Sunny, 30s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace~~ / Other

Purge Data

Start Time: 12:50
Stop Time: 1353
Total Time Purged: 53
Pump Rate: ~1.0 (lpm / gpm)
Volume Purged: 58 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer/Submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/27/91 Time: 1358 Sampler: MJK
Approx. sample depth: 40 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, lt. brown, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x	Calib Factor x	Conductivity =	Spec. Cond.
See field parameter sheet		( ) x	x	=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9271

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project #: 86-8821
Project Location: Woodstock, CT
Well ID
Sample #: 3/13
160-190'

FUSS&O'NEIL
Environment
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	9.05	10.0	(10.0)	1.41	x	1.06	x	134	=	200
40 gal	9.07	10.1	(10.1)	1.41	x	1.06	x	140	=	209
55 gal	8.96	[illegible]	(10.3)	1.40	x	1.06	x	139	=	[illegible]
56 gal	8.94	[illegible]	(9.9)	1.41	x	1.06	x	139	=	[illegible]
57 gal	8.95	[illegible]	(9.9)	1.41	x	1.06	x	139	=	[illegible]
58 gal	8.92	[illegible]	(9.8)	1.42	x	1.06	x	139	=	[illegible]
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
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LIN002 628

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: HW-19b
Sample #: 13139106 11-05

Elevation Data

Date: 6/10/91 Time: 1328
Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	13.50'	- 1.66'	= 11.84'
Bottom of Well	20.52'	+ 0.45'	= 20.97'

Water Column Height: 9 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 4.5 (gal)

Measuring Point: TPS (PVC) Sampler: MJB, RRK
Measuring Device ID#: chalk + S.S. Tape Weather: sunny, 90's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1331
Stop Time: 1342
Total Time Purged: 11 min
~~Pump Rate:~~ (lpm / gpm)
Volume Purged: 3 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: dry at 3 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/11/91 Time: 1350 Sampler: RRK
Approx. sample depth: 20 (ft) Weather: 5/4
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.05	10.2	(10.5)	1.39	x	1.03	x	101	=	145
Well Volume 2	6.27	10.2	(10.1)	1.41	x	1.03	x	105	=	152
Well Volume 3	DRY after 3 gal		( )		x		x		=	
Final	6.36	10.4	(10.5)	1.39	x	1.02	x	108	=	143

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 629

Monitoring Well Field Data Sheet

FUSS&O'NEIL Environmen Field Services

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID: MW-19sb
Sample #: 3439201 03-12	

Elevation Data

Date: 1/2/92 Time: 10:28

Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	8.91'	+ 0.41'	= 9.32'
Bottom of Well	20.53'	+ 0.41'	= 20.94'

Water Column Height: 12 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 6.0 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1425
Stop Time: 1432
Total Time Purged: 7 min
Pump Rate: — (lpm / gpm)
Volume Purged: 3.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/3/92 Time: 1440 Sampler: MRG
Approx. sample depth: 19 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
plastic, 2	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Con
see field parameter sheet		( ) x x =	

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LINEMASTER SWITCH ADMINISTRATIVE RECORD

LIN002 0350

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 813920103-12	MW#F5b

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 (pH / Temp) — Instrument ID# 5 (Spec. Cond.)

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2.0 gal	6.69	9.6	(9.6)	1.43	x	1.03	x	91	=	134
3.0 gal	6.67	9.8	(9.8)	1.42	x	1.03	x	91	=	133
~~6.0 gal~~			( )		x		x		=	
dry 3 gal			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002631

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock CT	Well ID
Sample #: 3139-00-11-02	MW-20-5

Elevation Data

Date: 6/11/91 Time: 11:23 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	9.00	+ 1.05'	= 9.95'
Bottom of Well	22.22'	+ 0.45	= 22.67'

Water Column Height: 15 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 7.5 (gal)

Measuring Point: TPS (PVC) Sampler: KJB, KFK
Measuring Device ID#: chalk + 25' tape Weather: sunny, 90°
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket~~: OK / Replace / Other

Purge Data

Start Time: 11:45
Stop Time: 12:11
Total Time Purged: 26 min
Pump Rate: (lpm / gpm)
Volume Purged: 7.5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: [illegible]
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/11/91 Time: 12:13 Sampler: KFK
Approx. sample depth: 21.5 (ft) Weather: N/A
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy yellow no odor

Container	Quantity	Preservative
VOA vial	✓ 3	HCl
plastic-2	✓ 1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 1

	pH	Temp	(Temp) Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	6.53	12.7	(13.1) 1.30	x	1.03	x	307	=	411
Well Volume 2	6.49	12.5	(13.0) 1.29	x	1.03	x	310	=	412
Well Volume 3	6.72	12.4	(13.4) 1.29	x	1.03	x	329	=	437
Final	6.63	12.0	(12.5) 1.32	x	1.03	x	302	=	411

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LIN002 9 3 2

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-20sb
Sample #: 31392-0103-08

Elevation Data

Date: 1/2/92 Time: 9:49

	Depth (feet)	+ Correction	= True Depth
Water Level	5.75'	+ 0.41'	= 6.16'
Bottom of Well	22.25'	+ 0.41'	= 22.66'

Well Diameter (inches): 2"
Water Column Height: 16 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 8.0 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
~~Curb Box: N / Y (key is: Hex / Pent / Other)~~
~~Curb Box Gasket: OK / Replace / Other~~
Comments:

Purge Data

Start Time: 1133
Stop Time: 1155
Total Time Purged: 22 min
Pump Rate: — (lpm / gpm)
Volume Purged: 8.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/3/92 Time: 1200 Sampler: MRG
Approx. sample depth: 20 (ft) Weather: sunny 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, grayish, no odor

Container	Quantity	Preservative
VOA vial	3 ✓	HCl
Plastic-1	1 ✓	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: 5

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0033

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-20sb
Sample #: 3139X0103-08

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3.0 gal	6.40	11.5°C	(11.5)	1.35	x	1.03	x	240	=	334
6.0 gal	6.44	11.8°C	(11.8)	1.33	x	1.03	x	250	=	342
8.0 gal	6.48	11.5°C	(11.5)	1.35	x	1.03	x	250	=	348
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH ADMINISTRATIVE RECORD

LIN002 6634

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock CT
Well ID: MW-21 d6
Sample #: 343910626-19
170-200'

Elevation Data

Date: 6/26/91 Time: 8:40
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	122.20	+ ~~122.20~~	= 122.20
Bottom of Well	—	+ —	= —

Water Column Height: 30' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Sampler: JF
Measuring Device ID#: 1000 Flat Tape
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 9:38
Stop Time: 11:42
Total Time Purged: 3hr 4min
Pump Rate: 5 gpm (lpm / gpm)
Volume Purged: 44 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Scuba
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/26/91 Time: 12:30 Sampler: JF
Approx. sample depth: _____ (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: Y / N @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # D Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	2	HCl / I
P	1	Nitric / I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 Instrument ID# 2

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

See Replicate Sheet Attached.

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9535

Replicate Field Data Sheet

FUSS&O'NEILL
Environment
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Well ID: MW-2f db
Sample #: 3439106 26 - 19

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
			( )	x		x		=	
10 gal	8.59	15.8	( ) 1.21	x	1.01	x	148	=	181
12 gal	8.37	16.0	( ) 1.21	x	1.01	x	155	=	189
14 gal	8.53	17.7	( ) 1.16	x	1.01	x	160	=	187
19 gal	8.55	15.4	( ) 1.22	x	1.01	x	178	=	219
23 gal	8.52	17.5	( ) 1.16	x	1.01	x	182	=	213
25 gal	8.56	17.5	( ) 1.16	x	1.01	x	188	=	220
26 gal	8.60	17.9	( ) 1.15	x	1.01	x	188	=	218
29 gal	7.26	17.9	( ) 1.15	x	1.01	x	188	=	218
30 gal	7.18	17.9	( ) 1.15	x	1.01	x	182	=	211
31 gal	8.07	15.7	( ) 1.22	x	1.01	x	168	=	207
32 gal	8.01	17.6	( ) 1.16	x	1.01	x	170	=	199
33 gal	8.07	16.4	( ) 1.19	x	1.01	x	170	=	204
34 gal	8.06	16.5	( ) 1.19	x	1.01	x	180	=	216
44 gal	8.09	16.9	( ) 1.18	x	1.01	x	185	=	220
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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* pH meter recalibrated

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ADMINISTRATIVE RECORD

LIN002 9 3 9

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock CT
Well ID: MW-21A
Sample #: 343910626 - 20

Elevation Data

280-310

Date: Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	122.20	+ —	= 122.20
Bottom of Well		+	=

Well Diameter (inches): 6"
Water Column Height: 30' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 44 (gal)

Measuring Point: TPS / PVC
Sampler: JF
Measuring Device ID#: 1000' Flat Tape
Weather: Clear 60°
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 13:15
Stop Time: 15:30
Total Time Purged: 2 hr 15 min
Pump Rate: (lpm / gpm)
Volume Purged: 44 gal (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Bailer
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/26/91 Time: 15:00 Sampler: JF
Approx. sample depth: 300' (ft) Weather: Clear 60s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
V	2	HCl / I
P	1	N / I
P	1	I
P	1	Filter Nitric I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# See Replicate Sheet Attached Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6371

Field Parameter Data Sheet

Client/Project Name: Linemaster Switch	Project #: 86-88 (21)
Project Location: Woodstock CT	Well ID
Sample #: 3439106 06 - 20	MW-21d6

FUSS&O'NEILL
Environmental
Field Service

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
25 gal	6.84	14.1	( ) 1.27	x	1.01	x	195	=	250
30 gal	8.11	13.6	( ) 1.28	x	1.01	x	185	=	239
35 gal	8.23	13.6	( ) 1.28	x	1.01	x	188	=	243
41 gal	8.22	13.2	( ) 1.30	x	1.01	x	180	=	236
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 638

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-21db
Sample #: 8139L1223-14
170-200'

Elevation Data

Date: 12/20/91 Time: 11:15
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	101.70'	+ 0.46'	= 102.16'
Bottom of Well		+	=

Water Column Height: _____ (feet)
gal/foot x 3 factor: x _____
Volume to be Purged: _____ (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Tape
Weather: p. sunny 30s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 5/16" wrench
Curb Box Gasket: OK / Replace / Other _____
Comments: 0ppm while purging

Purge Data

repurged 12/23/91

Start Time: 10:20
Stop Time: 12:20
Total Time Purged: 2 hrs.
Pump Rate: ~1 (lpm / gpm)
Volume Purged: 42 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: packer / submersible
Hermit placed above top packer
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/23/91 Time: 12:45 Sampler: MJB
Approx. sample depth: 80 (ft) Weather: sunny 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 2
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic - l	1	HNO_3
Plastic - l	1	F/HNO_3
Plastic - l	1	as is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
see parameter field sheet		)	x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 639

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-21b (170-200')
Sample #: 318911223-14

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	7.70	10.9	(10.9)	1.37	x	1.09	x	112	=	167
30 gal	8.05	10.5	(10.5)	1.39	x	1.09	x	114	=	173
33 gal	8.07	[illegible]	(10.9)	1.37	x	1.09	x	118	=	176
40 gal	8.22	10.7	(10.7)	1.38	x	1.09	x	125	=	188
41 gal	8.19	10.7	(10.7)	1.38	x	1.09	x	125	=	187
42 gal	8.17	[illegible]	(10.6)	1.39	x	1.09	x	128	=	194
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 640

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86.88.21
Project Location: Woodstock, CT	Well ID: MW-21 db
Sample #: 3139L1223.15	285-310

Elevation Data

Date: 12/20/91 Time: 11:15 Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	101.70'	+ 0.46'	= 102.16'
Bottom of Well	not measured	+	=

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: Tape Weather: cloudy, sunny, 30s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16" wrch
Comments:
Curb Box Gasket: OK / Replace / Other ____

Purge Data

Start Time: 1311 unable to purge
Stop Time: well went dry before
Total Time Purged: pulling up volume thru pipe
Pump Rate: ____ (lpm / gpm)
Volume Purged: ____ (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer/submersible
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/23/91 Time: 1440 Sampler: MJB
Approx. sample depth: 80 (ft) Weather: cloudy, showers, 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
Method of Filtration: ~~Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ____ ~~Filter ID #~~ ____
Field ~~Decon: Bailer / Filter / Tubing / Other~~ ____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-2	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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Field Parameter Data Sheet

FUSS&O'NEILL
Environmenta
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock CT
Well ID: [illegible]21db
280-310'
Sample #: 31391723 [illegible]

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 3 (pH/Temp)
Instrument ID# 3 (Spec. Cond.)

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002642

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-22d6
Sample #: 3439106 25 · 13

Elevation Data

35 - 75

Date: 6/25/91 Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	34.44	+ —	= 34.44
Bottom of Well	NA	+	

Well Diameter (inches): 6"
Water Column Height: 40' (feet)
gal/foot x 3 factor: x 1.5 gal
Volume to be Purged: 59 gal (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Flat Tape 1000'
Sampler: DF
Weather: Clear 80'
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 10:00
Stop Time: 10:20
Total Time Purged: 20 min
Pump Rate: _____ (lpm / gpm)
Volume Purged: 50 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/25/91 Time: _____ Sampler: DF
Approx. sample depth: 35-75' (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # /
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance:

Container	Quantity	Preservative
V	3	HCl I
P	1	F/NF
P	1	N/I
P	1	Ao Io.

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ Lic Pay Circle FDS. Instrument ID# _____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0943

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: MW-22db
Sample #: 343910625-13

Field Parameters

35-75

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 2 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
10 gal	6.91	11.9	( )	1.33	x	1.01	x	110	=	148
13 gal	6.98	12.3	( )	1.32	x	1.01	x	100	=	133
14 gal	7.04	12.6	( )	1.32	x	1.01	x	98	=	131
16 gal	7.20	12.5	( )	1.32	x	1.01	x	98	=	131
23 gal	7.24	12.2	( )	1.33	x	1.01	x	95	=	128
30 gal	7.02	12.6	( )	1.32	x	1.01	x	95	=	127
35 gal	7.01	12.1	( )	1.33	x	1.01	x	95	=	128
39 gal	7.15	12.5	( )	1.32	x	1.01	x	95	=	127
43 gal	7.19	12.5	( )	1.32	x	1.01	x	98	=	131
45 gal	7.17	12.8	( )	1.30	x	1.01	x	95	=	131
59 gal	7.12	12.9	( )	1.30	x	1.01	x	95	=	131
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 644

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 3439106025-18 '80-120'
Well ID: MW-22db

Elevation Data

Date: 6/25/91 Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	34.44	+ —	= 34.44
Bottom of Well	NA	+	=

Well Diameter (inches): 6"
Water Column Height: 40. (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 59 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 1000' Float tape
Sampler: JT
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

urge Data

Start Time: 10:40
Stop Time: 12:20
Total Time Purged: 2 hr 110 m
Pump Rate: (lpm / gpm)
Volume Purged: 60 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Scrub
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/25/91 Time: Sampler: JT
Approx. sample depth: (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
V	4	HCl/I
P	1	HNO3/I
P	1	N/I
P	1	I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

Instrument ID# 6

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ADMINISTRATIVE RECORD

LIN002 645

Field Parameter Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster Switch	Project #: 86-88 (21)
Project Location: Woodstock CT	Well ID
Sample #: 3439106 25 - 14	MW-22 db

Field Parameters 80 - 120'

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#	2								Instrument ID#	2
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
5 gal	6.91	17.4	( )	1.16	x	1.01	x	110	=	129
10 gal	6.82	14.5	( )	1.26	x	1.01	x	100	=	127
20 gal	6.98	12.4	( )	1.32	x	1.01	x	98	=	131
30 gal	7.08	12.5	( )	1.32	x	1.01	x	100	=	133
35 gal	7.11	12.3	( )	1.32	x	1.01	x	99	=	132
40 gal	7.22	12.9	( )	1.30	x	1.01	x	100	=	131
43 gal	7.37	13.3	( )	1.28	x	1.01	x	105	=	136
46 gal	7.36	12.3	( )	1.28	x	1.01	x	105	=	136
47 gal	7.39	12.5	( )	1.32	x	1.01	x	103	=	137
48 gal	7.44	12.8	( )	1.30	x	1.01	x	103	=	135
50 gal	7.61	13.2	( )	1.30	x	1.01	x	110	=	144
55 gal	7.60	13.3	( )	1.32	x	1.01	x	105	=	140
59 gal	7.48	12.9	( )	1.30	x	1.01	x	105	=	138
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 649

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co
Project #: 86-88
Project Location: Woodstock CT
Well ID: MW-22db
Sample #: 341391062F-15 140-180

Elevation Data

Date: 6/25/91 Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	34.44	+ –	= 34.44
Bottom of Well	NA	+	=

Well Diameter (inches): 6"
Water Column Height: 40' (feet)
gal/foot x 3 factor: x 1.6 gal
Volume to be Purged: 64 gal (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: 10000' Flat Tape
Sampler: DF
Weather: Clear 80°
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 12:44
Stop Time: 13:20
Total Time Purged: 36 min
Pump Rate: (lpm / gpm)
Volume Purged: 60 (gallons)
Purge device: Dedicated / Nondedicated / Swab
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/25/91 Time: Sampler: DF
Approx. sample depth: (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
V	3	HCl/I
P	1	F/N/I
P	1	N/I
P	1	I

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 See Rep. Data Sheet Instrument ID# 6

pH	Temp	(Temp)Corr Factor x	Calib Factor x	Conductivity =	Spec. Cond.
		( ) x	x	=	

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ADMINISTRATIVE RECORD

LIN002 641

Field Parameter Data Sheet

FUSS&O'NEILL Environment Field Servic

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock, CT	**Well ID**
Sample #: 343910625-15	MW-22db

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 (pH) — Instrument ID# 6 (Spec. Cond.)

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
15 gal	6.82	11.6	( )	1.35	x	1.01	x	125	=	170
30 gal	6.90	12.0	( )	1.33	x	1.01	x	115	=	154
45 gal	6.74	11.6	( )	1.35	x	1.01	x	110	=	150
60 gal	6.91	11.8	( )	1.33	x	1.01	x	110	=	148
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 648

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock CT
Well ID: MW-22db
Sample #: 34/39/0625-16

Elevation Data

185-225

Date: 6/25/91 Time:

	Depth (feet)	+ Correction	= True Depth
Water Level	34.44	+ —	= 34.44
Bottom of Well	NA	+	

Well Diameter (inches): 6"
Water Column Height: 40' (feet)
gal/foot x 3 factor: x 1.6
Volume to be Purged: 60 (gal)

Measuring Point: TPS / PVC
Sampler: OF
Measuring Device ID#: Elet-Tape 1010
Weather: Clear 80s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 13:55
Stop Time: 15:00
Total Time Purged: 1hr 7min
Pump Rate: (lpm / gpm)
Volume Purged: 60 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Swab
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 6/25/91 Time: 15:00 Sampler: OF
Approx. sample depth: (ft) Weather: Clear 80s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
V	3	HCl/I
P	1	HNI

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#: See Replicate Chart. Instrument ID#:

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 649

Field Parameter Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Well ID: MW-2026
Sample #: 3439105 25 - 25

FUSS&O'NEILL
Environmental
Field Service

Field Parameters

185-225

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 | Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20	6.46	14.3	( )	1.26	x	1.01	x	120	=	153
25	6.45	12.3	( )	1.32	x	1.01	x	110	=	147
40	6.75	11.4	( )	1.35	x	1.01	x	140	=	191
55	6.84	11.2	( )	1.37	x	1.01	x	135	=	187
60	7.00	11.0	( )	1.37	x	1.01	x	132	=	183
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0550

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 3139112230-27 - 29 Duplicate	MW-22DB 35-75'

Elevation Data

Date: 12/27/91 Time: 1525 Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	30.15'	+ 0.46'	= 30.61'
Bottom of Well	not measured	+	=

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: Tape Weather: cloudy, 30s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 10:00
Stop Time: 10:44
Total Time Purged: 44 min
Pump Rate: ~1.0 (lpm / gpm)
Volume Purged: 50 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer/Submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/30/91 Time: 11:05 Sampler: MJB
Approx. sample depth: 30 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ____ ~~Filter ID #~~ ____
~~Field Decon: Bailer / Filter / Tubing / Other~~ ____
Appearance: cloudy, lt. brown, no odor

Container	Quantity	Preservative
voa vial	2	HCl
plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 551

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster | Project #: 86-88/21
Project Location: Woodstock, CT | Well ID [redacted]
Sample # [redacted] | [redacted]
35-75'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [redacted] | Instrument ID# [redacted]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec Cond.
20 gal	[redacted]	10.7	(10.7)	1.38	x	1.02	x	71	=	100
40 gal	[redacted]	10.2	(10.2)	1.40	x	1.02	x	79	=	[redacted]
dry-slower	[redacted]	9.6	(9.6)	1.43	x	1.02	x	80	=	[redacted]
pump rate	[redacted]	[redacted]	( )		x		x		=	[redacted]
45 gal	[redacted]	10.0	(10.0)	1.41	x	1.02	x	71	=	102
47 gal	[redacted]	10.4	(10.4)	1.39	x	1.02	x	70	=	99
49 gal	[redacted]	10.3	(10.3)	1.40	x	1.02	x	71	=	101
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
	[redacted]	[redacted]	( )		x		x		=	[redacted]
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	[redacted]	[redacted]	( )		x		x		=	[redacted]

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 652

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-22db 80-120'
Sample #: 31391 1230-30

Elevation Data

Date: 12/27/91 Time: 1525
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	30.15'	+ 0.46'	= 30.61'
Bottom of Well	not measured	+	=

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Tape
Weather: cloudy, 30s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ ____

Purge Data

Start Time: 11:23
Stop Time: 11:45
Total Time Purged: 22 min.
Pump Rate: 1-4 (lpm / gpm)
Volume Purged: 53 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Bailer / submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/30/91 Time: 12:00 Sampler: MJB
Approx. sample depth: 85 (ft) Weather: sgm
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other ____
Appearance: cloudy, lt. brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1.	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

pH	Temp	(Temp)Corr Factor x	Calib Factor x	Conductivity =	Spec. Cond.
See field parameter sheet		( ) x	x	=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 955

Field Parameter Data Sheet

FUSS&O'NEIL Environmental Field Services

Client/Project Name: Linemaster — Project #: 96-88/21

Project Location: Woodstock, CT — Well ID: [redacted]

Sample #: [redacted] — [redacted] 60-120'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] — Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	6.81	10.5	(10.5)	1.39	x	1.02	x	71	=	101
40 gal	6.75	10.0	(10.0)	1.41	x	1.02	x	75	=	108
50 gal	6.73	9.0	(9.0)	1.45	x	1.02	x	72	=	106
52 gal	6.72	8.8	(8.8)	1.46	x	1.02	x	73	=	109
53 gal	6.72	8.7	(8.7)	1.46	x	1.02	x	71	=	106
~~54 gal~~			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 654

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/91
Project Location: Woodstock, CT	Well ID
Sample #: 3/3911230-31	MW-22db 140-180'

Elevation Data

Date: 12/27/91 Time: 1525 Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	30.15'	+ 0.46'	= 30.61'
Bottom of Well	not measured	+	=

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC Sampler: MJR
Measuring Device ID#: Tape Weather: cloudy, 30s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~ ____

Purge Data

Start Time: 12:45
Stop Time: 1303
Total Time Purged: 18 min
Pump Rate: 1-4 (lpm / gpm)
Volume Purged: 55 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer/Submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/30/91 Time: 1315 Sampler: MJR
Approx. sample depth: 70 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 4
Field Decon: Bailer / Filter / Tubing / Other ____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		( ) x x =	

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ADMINISTRATIVE RECORD

LIN002 9555

Field Parameter Data Sheet

FUSS&O'NEIL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: [illegible]
Sample #: [illegible]
140-160

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# [illegible] Instrument ID# [illegible]

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	6.85	10.5	(10.5)	1.39	x	1.02	x	95	=	125
40 gal	6.75	10.4	(10.4)	1.39	x	1.02	x	85	=	121
50 gal	6.76	10.4	(10.4)	1.39	x	1.02	x	82	=	116
52 gal	6.73	10.4	(10.4)	1.39	x	1.02	x	82	=	116
53 gal	6.92	10.2	(10.2)	1.40	x	1.02	x	81	=	116
54 gal	6.96	10.0	(10.0)	1.41	x	1.02	x	81	=	116
55 gal	6.98	9.8	(9.8)	1.42	x	1.02	x	81	=	117
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6556

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project Location: Woodstock, CT
Sample #: 3139111230-32
Project #: 86-88/21
Well ID: MW-22db
185-225'

Elevation Data

Date: 12/27/91 Time: 1525
Well Diameter (inches): 6"

	Depth (feet)	+ Correction	= True Depth
Water Level	30.15'	+ 0.46'	= 30.61'
Bottom of Well	not measured	+	=

Water Column Height: ____ (feet)
gal/foot x 3 factor: x ____
Volume to be Purged: ____ (gal)

Measuring Point: TPS / PVC
Sampler: MJB
Measuring Device ID#: Tape
Weather: cloudy, 30s
Comments: 0 ppm at well head

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other ____

Purge Data

Start Time: 1330
Stop Time: 1340
Total Time Purged: 10 min.
Pump Rate: 2-4 (lpm / gpm)
Volume Purged: 55 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: Packer / submersible
0 ppm while purging
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 12/30/91 Time: 1350 Sampler: MJB
Approx. sample depth: 50 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other ____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # ____ Filter ID # ____
Field Decon: Bailer / Filter / Tubing / Other ____
Appearance: cloudy, brown, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# ____ Instrument ID# ____

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		( ) x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9551

Field Parameter Data Sheet

FUSS&O'NEIL
Environment
Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 8139111230-39	19W[illegible]

185-225'

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
20 gal	6.85	10.3	(10.3)	1.40	x	1.02	x	81	=	116
40 gal	7.43	10.1	(10.1)	1.41	x	1.02	x	148	=	213
50 gal	7.49	10.1	(10.1)	1.41	x	1.02	x	135	=	194
52 gal	7.54	10.0	(10.0)	1.41	x	1.02	x	130	=	187
54 gal	7.41	10.3	(10.3)	1.40	x	1.02	x	128	=	183
55 gal	7.46	9.9	(9.9)	1.41	x	1.02	x	127	=	183
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002658

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock, CT
Well ID: MW-23t
Sample #: 359910828-29

Elevation Data

Date: 8/28/91 Time: 1200

	Depth (feet)	+ Correction	= True Depth
Water Level	11.35	+ 0.43	= 11.78
Bottom of Well	24.94	+ 0.43	= 25.37

Well Diameter (inches): 2
Water Column Height: 13.59 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: [redacted] 6.8 (gal)

Measuring Point: TPS / PVC
Sampler: RRK
Measuring Device ID#: tape
Weather: sunny 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: [redacted] / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / [redacted] / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1225
Stop Time: 1239
Total Time Purged: 14 min
~~Pump Rate:~~ (lpm / gpm)
Volume Purged: 5 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: dry at 5 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 8/28/91 Time: 1303 Sampler: RRK
Approx. sample depth: 24.5 (ft) Weather: sunny 80's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID #
Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty gray faint odor

Container	Quantity	Preservative
rod ✓	2	HCl
plastic ✓	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 — Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.10	13.7	(13.8)	1.27	x	1.05	x	495	=	664
Well Volume 2	[redacted]	—	( )	—	x	—	x	—	=	—
Well Volume 3	—	—	( )	—	x	—	x	—	=	—
Final	7.81	14.7	(14.7)	1.25	x	1.05	x	490	=	643

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002959

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmer Field Servic

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920109-43	MW-23T

Elevation Data

Date: 1/2/92 Time: 1340 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.46'	+ 0.41'	= 5.87'
Bottom of Well	24.94'	+ 0.41'	= 25.35'

Water Column Height: 20 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 10 (gal)

Measuring Point: TPS PVC Sampler: MJB, MRC
Measuring Device ID#: Tape Weather: Cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16"
Comments:
Curb Box Gasket: OK / Replace / Other _____

Purge Data

Start Time: 12:20
Stop Time: 12:30
Total Time Purged: 10 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 4.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/9/92 Time: 1300 Sampler: MJB
Approx. sample depth: 20 (ft) Weather: Flurries, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: cloudy, brown, v. silty, no odor

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is
Amber-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# _____ Instrument ID# _____

pH	Temp	(Temp) Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See	Field	( ) parameter x x sheet =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 0560

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-23C
Sample #: 313920109-438

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 2

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	7.43	11.2	(11.2) 1.36	x	1.08	x	465	=	683
4 gal - dry	7.39	11.3	(11.3) 1.36	x	1.08	x	449	=	659
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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ADMINISTRATIVE RECORD

LIN002 [redacted] 6 9 1

Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster Switch	Project #: 86488
Project Location: Woodstock, CT	Well ID
Sample #: 35991 0828-30	MW-24L

Elevation Data

Date: 8/28/91 Time: 1206 Well Diameter (inches): 2

	Depth (feet)	+ Correction	= True Depth
Water Level	17.55	+ 0.43	= 17.98
Bottom of Well	25.56	+ 0.43	= 25.99

Water Column Height: 8.01 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 4 (gal)

Measuring Point: TPS / PVC Sampler: RRK
Measuring Device ID#: tape Weather: sunny 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / [illegible] / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1245
Stop Time: 1258
Total Time Purged: 13 min
~~Pump Rate:~~ (lpm / gpm)
Volume Purged: 4 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: nearly dry at 4 gal.
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 8/28/91 Time: 1312 Sampler: RRK
Approx. sample depth: 25.5 (ft) Weather: S/A
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty gray no odor

Container	Quantity	Preservative
Vod	✓ 2	HCl
plastic L	✓ 1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

	Instrument ID# 6								Instrument ID# 6
	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity =	Spec. Cond.
Well Volume 1	8.36	12.3	(12.4)	1.32	x	1.05	x	300 =	419
Well Volume 2	8.38	12.2	(12.5)	1.32	x	1.05	x	290 =	402
Well Volume 3	8.28	12.0	(12.2)	1.33	x	1.05	x	290 =	405
Final	8.42	13.2	(13.5)	1.28	x	1.05	x	291 =	391

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LIN002 6 6 2

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-24T
Sample #: 313920109-44

Elevation Data

Date: 1/2/92 Time: 1400
Well Diameter (inches): 2"

	Depth feet	+ Correction	= True Depth
Water Level	3.91'	+ 0.41'	= 4.32'
Bottom of Well	25.57'	+ 0.41'	= 25.98'

Water Column Height: 22 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 11 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#:
Sampler: MJB, MRG
Weather: Cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible? Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16" wr
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 12:52
Stop Time: 1300
Total Time Purged: 8 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 4.0 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/9/92 Time: 1330 Sampler: MJB
Approx. sample depth: 20 (ft) Weather: Cloudy, 30s, snow
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other
Appearance:

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic. l	1	HNO_3
Plastic. l	1	F/HNO_3
Plastic-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
see field parameter sheet		x x =	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 593

Field Parameter Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-24T
Sample #: 313920109-44

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4gal-dry	9.42	10.5	(10.5)	1.39	x	1.08	x	610	=	916
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 554

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Well ID: MW-25b
ample #: 3599108 28-31

Elevation Data

Date: 8/28/91 Time: 13:30
Well Diameter (inches): 2

	Depth (feet)	+ Correction	= True Depth
Water Level	7.99	+ 0.43	= 8.42
Bottom of Well	25.29	+ 0.43	= 25.72

Water Column Height: 17.30 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 8.65 (gal)

Measuring Point: TPS / PVC
Sampler: RRK
Measuring Device ID#: tape
Weather: sunny 80's
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

urge Data

Start Time: 1350
Stop Time: 1410
Total Time Purged: 20 min
~~Pump Rate:~~ (lpm / gpm)
Volume Purged: 9 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 8/28/91 Time: 1418 Sampler: RRK
Approx. sample depth: 25 (ft) Weather: s/A
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field? No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Bailer / Filter / Tubing / Other
Appearance: silty gray [redacted] slight odor

Container	Quantity	Preservative
VOA	✓ 2	HCl
plastic L	✓ 1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
ell Volume 1	7.17	16.5	(16.6)	1.19	x	1.05	x	730	=	912
ll Volume 2	7.05 *	17.2 *	(17.2)	1.17	x	1.05	x	810 *	=	995 *
Well Volume 3	7.17	15.8	(16.2)	1.20	x	1.05	x	750	=	945
Final	7.13	16.2	(16.5)	1.19	x	1.05	x	760	=	950

Instrument ID# 6

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* sample sat while pH was recalibrated

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9555

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmen' Field Servic

Client/Project Name: Linemaster	Project #: 86-88/a1
Project Location: Woodstock, CT	Well ID
Sample #: 31392 0108-31	MW-25C

Elevation Data

Date: 1/2/92 Time: 1353 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	5.56'	+ 0.41'	= 5.97'
Bottom of Well	25.30'	+ 0.41'	= 25.71'

Water Column Height: 20 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 10 (gal)

Measuring Point: TPS / PVC Sampler: MJB, MRG
Measuring Device ID#: Tape Weather: Cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 9/16"
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 1235
Stop Time: 1300
Total Time Purged: 25 MIN.
Pump Rate: (lpm / gpm)
Volume Purged: 10 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/8/92 Time: 1310 Sampler: MRG
Approx. sample depth: 20 (ft) Weather: Sunny 30's
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 3
Field Decon: Bailer / Filter / Tubing / Other
Appearance: Grey, silty, odor present

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is
Amber-l	1	As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 4

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
SPC	DATA	( ) SHEET x SPP x DATA =	SHEET

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ADMINISTRATIVE RECORD

LIN002 9 9 5 6

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-25C
Sample #: 312920108-31

FUSS&O'NEILL Environmental Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 41 | Instrument ID# 4

	pH	Temp	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
3 gal	~~7.64~~ 7.19	~~11.9 12.7~~	(12.7)	1.33	x 1.00	x	600	=	798
6 gal	7.33	11.9	(11.9)	1.33	x 1.00	x	600	=	798
10 gal	7.30	12.6	(12.6)	1.32	x 1.00	x	600	=	792
	7.28	12.6	(12.6)	1.32	x 1.00	x	600	=	792
	7.34	12.4	(12.4)	1.32	x 1.00	x	600	=	792
			( )		x	x		=	
			( )		x	x		=	
			( )		x	x		=	
			( )		x	x		=	
			( )		x	x		=	
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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 6 6 1

Field Data Sheet

FUSS&O'NEILL Environmental Field Service.

Client/Project Name: Linemaster Switch	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 35991082B-32	MW-26t

Elevation Data

Date: 8/28/91 Time: 1452

	Depth (feet)	+ Correction	= True Depth
Water Level	26.54	+ 0.43	= 26.97
Bottom of Well	50.25	+ 0.43	= 50.68

Well Diameter (inches): 2
Water Column Height: 23.71 (feet)
gal/foot x 3 factor: x 1/2
Volume to be Purged: 11.86 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: tape
Sampler: RRK
Weather: sunny 90°
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N 60° angle
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket~~: OK / Replace / Other _____

Purge Data

Start Time: 1500
Stop Time: 1520
Total Time Purged: 20 min
~~Pump Rate~~: _____ (lpm / gpm)
Volume Purged: 8 (gallons)

Purge device: ~~Dedicated~~ / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: dry at 8 gal
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 8/28/91 Time: 1535 Sampler: RRK
Approx. sample depth: 50 (ft) Weather: s/A
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other _____
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: silty gray slight odor

Container	Quantity	Preservative
VOA	✓ 2	HCl
plastic L	✓ 1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 6 Instrument ID# 6

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	8.03	15.3	(15.8)	1.21	x	1.05	x	356	=	453
Well Volume 2	8.09	15.5	(15.9)	1.21	x	1.05	x	361	=	459
Well Volume 3	—	—	(—)	—	x	—	x	—	=	—
Final	8.03	15.6	(15.6)	1.22	x	1.05	x	365	=	468

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ADMINISTRATIVE RECORD

LIN002 6598

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920109-45	MW-26T

Elevation Data

Date: 1/2/92 Time: 1458 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	25.14'	+ 0.41'	= 25.55'
Bottom of Well	50.27'	+ 0.41'	= 50.68'

Water Column Height: 25 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 12.5 (gal)

Measuring Point: TPS / PVC Sampler: MJB, MKG
Measuring Device ID#: Tape Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 1405
Stop Time: 1415
Total Time Purged: 10 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 4.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/9/92 Time: 1430 Sampler: MJB
Approx. sample depth: 48 (ft) Weather: cloudy, show, 30s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 6
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, gray, odor present, silty

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	
plastic-l	1	F/HNO_3
Amber-l	1	As Is
		As Is

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		x =	

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LIN002 659

Field Parameter Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 31392019-45	MW-26T

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 2

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
4.0 gal-g	8.53	12.3	(12.3)	1.32	x	1.08	x	249	=	355
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 0170

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920107-21	MW-27C

Elevation Data

Date: 1/2/92 Time: 11:01

Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	46.22'	+ 0.41'	= 46.63'
Bottom of Well	125.55'	+ 0.41'	= 125.96'

Water Column Height: 79 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 39.5 (gal)

Measuring Point: TPS (PVC)
Measuring Device ID#: Tape
Comments:

Sampler: MJB, MRG
Weather: cloudy, 40s

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: (Good) / Needs Repair
Protective Steel: (OK) / Cracked / Leaking / Bent / Loose / None
Well # Visible?: (Y) / N
Well Cap: (Good) / Broken / None
Evidence of rain water between steel and PVC?: Y / (N)
Evidence of ponding around well?: Y / (N)
Gopher type holes around collar?: Y / (N)
Comments:

Is well plumb?: (Y) / N
Lock: (Good) / Broken / None
Rust around Cap: (Y) / N
PVC Riser: (Good) / Damaged / None
Concrete collar: (OK) / Cracked / Leaking / None
Other Evidence of: Rodents / Insects / (None)
Curb Box: N / (Y) (key is: Hex / Pent / Other) 9/16
Curb Box Gasket: OK / (Replace) / Other

Purge Data

Start Time: 1100
Stop Time: 1330
Total Time Purged: 2 HRS
Pump Rate: (lpm / gpm)
Volume Purged: 14 (gallons)

Purge device: (Dedicated) / Nondedicated
Device type: (Bailer) / Peristaltic / Submersible / Bladder
Comments: well was dry
Well Yield: High / Moderate / Low / (Dry)

Sample Data

Date: 1/7/92 Time: 1320 Sampler: MRG
Approx. sample depth: 120 (ft) Weather: sunny 90s
Sampling method: (Bailer) / Peristaltic / Bladder
Bailer type: (SS 2") / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: (Dedicated) / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: (Bailer) / Filter / Tubing / Other
Appearance: cloudy, gray, slight odor, silty

Container	Quantity	Preservative
VOA vial	3 ✓	HCl
plastic-l	1 ✓	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
—	—	( ) SPC x DATA x SHPPT =	—

Instrument ID# 5

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Field Parameter Data Sheet

FUSS&O'NEILL
Environmen'
Field Servic.

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, ct	**Well ID**
Sample #: 313920107-21	MW-27C

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 (pH) — Instrument ID# 5 (Spec. Cond.)

	pH	Temp °C	(Temp)Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
13 gAL	9.60	9.5	(9.5) 1.43	x	1.05	x	430	=	646
26 gAL			( )	x		x		=	
39.5 gAL			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
			( )	x		x		=	
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ADMINISTRATIVE RECORD

LIN0026772

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project Location: Woodstock, CT, JTO 5/28/92
Sample #: ~~3139204 27-11~~ 351920421-11 P.B 5/28/92
Project #: 86-88/21
Well ID: MW-27T

Elevation Data

Date: 4/20/92 Time: 10:34

	Depth (feet)	+ Correction	= True Depth
Water Level	46.00'	+ 0.41'	= 46.41'
Bottom of Well	126.59'	+ 0.41'	= 127.00'

Well Diameter (inches): 2"
Water Column Height: 81 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 40.5 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB
Weather: cloudy, 60s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb? Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 11:15
Stop Time: 1208
Total Time Purged: 63 min.
Pump Rate: — (lpm / gpm)
Volume Purged: 15 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/22/92 Time: 12:15 Sampler: MJB
Approx. sample depth: 125 (ft) Weather: same
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-2	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 — Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
2 gal Well Volume 1	8.35	10.9	(10.9)	1.37	x	1.04	x	550	=	784
Well Volume 2	8.41	11.3	(11.3)	1.36	x	1.04	x	560	=	792
Well Volume 3	dry at 15 gal		( )		x		x		=	
Final			( )		x		x		=	

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Monitoring Well Field Data Sheet

FUSS&O'NEILL Environment Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-27sb
Sample #: 313920107-18 -24 Duplicate

Elevation Data

Date: 1/2/92 Time: 1625 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	35.72'	+ 0.41'	= 36.13'
Bottom of Well	103.20'	+ 0.41'	= 103.61'

Water Column Height: 67 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 33.5 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: [illegible] / Y (Key is: Hex / Pent / Other) 9/6
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 9:39
Stop Time: 11:00
Total Time Purged: 81 min
Pump Rate: (lpm / gpm)
Volume Purged: 12 (gallons)
Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: well went dry
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/7/92 Time: 1105 Sampler: MRG
Approx. sample depth: 100 (ft) Weather: sunny 40s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, greyish, slight odor, silty

Container	Quantity	Preservative
Voa vial	3	HCl
plastic-1	1	HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
—	—	( ) 5% x Data x 5000 =	

Instrument ID# 5

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 9 7 4

Field Parameter Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	**Well ID**
Sample #: 313920107-18	MW-27sb

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 5 | Instrument ID# 5

	pH	Temp °C	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
11 gAL	13.01	9.3	(9.3)	1.43	x	1.05	x	4080	=	6,126
22 gAL			( )		x		x		=	
33.5 gAL			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
			( )		x		x		=	
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			( )		x		x		=	

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ADMINISTRATIVE RECORD

LIN002 675

Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT 5/20/92	Well ID
Sample #: 351920427-10	MW-27sb

Elevation Data

Date: 4/20/92 Time: 10:47 Well Diameter (inches): 2"

	Depth (feet)	+ Correction	= True Depth
Water Level	87.23'	+ 0.0	= 87.23'
Bottom of Well	~103'	+ 0.41	= 103.41'

Water Column Height: 16 (feet)
gal/foot x 3 factor: x 0.5
Volume to be Purged: 8.0 (gal)

Measuring Point: TPS / PVC Sampler: MJB
Measuring Device ID#: Sinco/Tape Weather: p. sunny, 50s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other) 7/16"
Comments:
Curb Box Gasket: OK / Replace / Other

Purge Data

Start Time: 10:32
Stop Time: 10:42
Total Time Purged: 10 min
Pump Rate: (lpm / gpm)
Volume Purged: 3.0 (gallons)

Purge device: Dedicated / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments:
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 4/22/92 Time: 10:55 Sampler: MJB
Approx. sample depth: 100 (ft) Weather: cloudy, 60s
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
~~Filtered in Field?: No / @Well / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Bailer / Filter / Tubing / Other~~
Appearance: cloudy, m. brown, silty, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-1	1	~~N~~/HNO_3

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 1 Instrument ID# 1

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
Well Volume 1	13.30	11.0	(11.0)	1.37	x	1.04	x	6,500	=	9261
Well Volume 2	well went dry		( )		x		x		=	
Well Volume 3			( )		x		x		=	
Final			( )		x		x		=	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9519

Monitoring Well Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: MW-27dD
Sample #: 313920106-16

Elevation Data

Date: 1/2/92 Time: 11:12

	Depth (feet)	+ Correction	= True Depth
Water Level	51.81'	+ 0.41'	= 52.22'
Bottom of Well	~300'	+	= ~300'

Well Diameter (inches): 6"
Water Column Height: 248 (feet)
gal/foot x 3 factor: x 1.5
Volume to be Purged: 372 (gal)

Measuring Point: TPS / PVC
Measuring Device ID#: Tape
Sampler: MJB, MRG
Weather: cloudy, 40s
Comments:

Well Condition Checklist

[circle appropriate item(s), cross out if not applicable]

General Condition: Good / Needs Repair
Is well plumb?: Y / N
Protective Steel: OK / Cracked / Leaking / Bent / Loose / None
Lock: Good / Broken / None
Well # Visible?: Y / N
Rust around Cap: Y / N
Well Cap: Good / Broken / None
PVC Riser: Good / Damaged / None
Evidence of rain water between steel and PVC?: Y / N
Concrete collar: OK / Cracked / Leaking / None
Evidence of ponding around well?: Y / N
Other Evidence of: Rodents / Insects / None
Gopher type holes around collar?: Y / N
Curb Box: N / Y (key is: Hex / Pent / Other)
Comments:
~~Curb Box Gasket: OK / Replace / Other~~

Purge Data

Start Time: 11:05 / 11:30
Stop Time: 11:57
Total Time Purged: 27 min.
Pump Rate: 5.0-7.0 (lpm / gpm)
Volume Purged: 400 (gallons)

initially pumped 100 gal into 55 gal drums, one drum tipped over, shut off pump

Purge device: ~~Dedicated~~ / Nondedicated
Device type: Bailer / Peristaltic / Submersible / Bladder
Comments: restarted at 11:30 pump pulled out, sampled at 1310
Well Yield: High / Moderate / Low / Dry

Sample Data

Date: 1/6/92 Time: 1310 Sampler: MJB
Approx. sample depth: 56 (ft) Weather: sunny
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS 2" / SS 1.25" / SS Short / PVC 2" / Other
Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @Well / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 8
Field Decon: Bailer / Filter / Tubing / Other
Appearance: cloudy, no odor

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	As Is
Glass-l	1	" "

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID#
Instrument ID#

pH	Temp	(Temp)Corr Factor x Calib Factor x Conductivity =	Spec. Cond.
See field parameter sheet		( ) x x =	

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LIN002 9 1 1

Field Parameter Data Sheet

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: [illegible]
Sample #: 13139201066-16

FUSS&O'NEILL
Environmental
Field Services

Field Parameters

Note: SC calculation based on (temp) at time of SC measurement.

Instrument ID# 4 — Instrument ID# 4

	pH	Temp	(Temp)	Corr Factor	x	Calib Factor	x	Conductivity	=	Spec. Cond.
120 gal	7.68	10.4	(10.4)	1.39	x	1.01	x	199	=	279
240 gal	8.19	10.7	(16.7)	1.38	x	1.01	x	198	=	276
370 gal	8.01	[illegible]	(10.3)	1.40	x	1.01	x	180	=	254
380 gal	8.43	10.7	(10.7)	1.38	x	1.01	x	180	=	[illegible]
400 gal	8.43	10.6	(10.6)	1.38	x	1.01	x	178	=	[illegible]
			( )		x		x		=	
			( )		x		x		=	
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ADMINISTRATIVE RECORD

LIN002 [redacted] 6 7 8

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster

Project #: 86-88

Project Location: Woodstock, CT

Well ID: Trip Blank

Sample #: 3139007 24-10

Sample Data

Date: 7/24/90 Time: 9:50

Sampler: VLR Weather: cloudy, 80's

Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
40ml V		
1 l A	1	I

Comments:

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ADMINISTRATIVE RECORD

LIN002 619

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313900725-19
Trip Blank

Sample Data

Date: 7/25/90 Time: 8:30
Sampler: JLR Weather: cloudy 80's
Blank Supplied By Lab / F&O / Other _____

Container	Quantity	Preservative
40ml V	1	H
1 l A	1	H

Comments:

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LINEMASTER SWITCH
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LIN002 589

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: Equip Blank
Sample #: 313900725-26

Sample Data

Date: 7/25/90 Time: 18:20
Sampler: JLR Weather: cloudy 80's
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # 2
Field Decon: Filter / Tubing / Other _____
Appearance:
clear, no odor

Comments:

Container	Quantity	Preservative
40 ml V	2	I/HCl
1 l A	1	I
1 l P	1	I/HNO_3

Comments:

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LIN002 681

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmer
Field Service

Client/Project Name: Lincmaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313 90 12 04-02	Trip Blank

Sample Data

Date: 12/4/90 Time: 11:30
Sampler: MJB Weather: Cloudy, 40s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	3	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 982

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313901204-05
Equip Blank

Sample Data

Date: 12/4/90 Time: 1515
Sampler: MJB Weather: Cloudy, 40s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
~~Filtered in Field?: No / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Filter / Tubing / Other~~ _____
Appearance: Clear

Comments:

Container	Quantity	Preservative
VOA vial	3	HCl
Plastic-l	1	HNO_3

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 683

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 31390120S-07
Equip Blank

Sample Data

Date: 12/5/90 Time: 1530
Sampler: MJB Weather: Sunny, 30s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
~~Filtered in Field?: No / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ _____ ~~Filter ID #~~ _____
~~Field Decon: Filter / Tubing / Other~~ _____
Appearance:

Comments:

Container	Quantity	Preservative
voa vial	3	HCl
plastic-l	1	HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002
589

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 3 13 901205-13
Trip Blank

Sample Data

Date: 12/5/90 Time: 1500
Sampler: MJB Weather: sunny, 30s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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ADMINISTRATIVE RECORD
LIN002589

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390206-19	Equip Blank

Sample Data

Date: 12/6/90 Time: 1440
Sampler: MJB Weather: Sunny/40s
Blank Water Supplied By: (Lab) / F&O / Other _____
Equipment Used: (Bailer / Filter / Pump) / Other _____
Filtered in Field?: No / (Vehicle)
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 7 Filter ID # 5
Field Decon: (Filter / Tubing) / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002 5885

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313901206-18
Trip Blank

Sample Data

Date: 12/4/90 Time: 1430
Sampler: MJB Weather: Sunny 40s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 681

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390 1207-23	Equip Blank

Sample Data

Date: 12/7/90 Time: 1400
Sampler: MJB Weather: Sunny, 40s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 989

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 96-88
Project Location: Woodstock, CT
Well ID
Sample #: 313901207-20
Trip Blank

Sample Data

Date: 12/7/90 Time: 11:00
Sampler: [illegible] Weather: sunny, 40s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002 689

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 313901210-29	Equip Blank

Sample Data

Date: 12/10/96 Time: 1400

Sampler: WJB Weather: P. Sunny, 40s

Blank Water Supplied By: Lab / F&O / Other _____

Equipment Used: Bailer / Filter / Pump / Other _____

Filtered in Field? No / @ Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # 6 Filter ID # 5

Field Decon: Filter / Tubing / Other _____

Appearance:

Comments: 2 Plastic Liters filled at F&O, not enough containers in field

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3

Comments:

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ADMINISTRATIVE RECORD

LIN002 0 6 9

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Sample #: 213901210-26
Well ID
Trip Blank

Sample Data

Date: 12/10/90 Time: 10:30
Sampler: MJB Weather: partly cloudy, 40s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: [illegible]
Trip Blank

Sample Data

Date: [illegible] Time: 10:30
Sampler: MTB Weather: Sunny, 50s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
2 6 9

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID: *
Sample #: 313961218-05
Equip Blank: *

Sample Data

Date: 12/18/90 Time: 0930
Sampler: MJB Weather: cloudy, 15-20°

Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other packer
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 5
Field Decon: Filter / Tubing / Other packer
Appearance: clear

Comments: packer was steam-cleaned rubber portion soap/water, methanol, DI.
Equip blank collected off of rubber portion of packer

Container	Quantity	Preservative
voa vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	~~HC~~ as is

* – Organic-free DI water used in these containers.

Comments:

nx386\e\0base\ebfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
593

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Servic

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 31390121B-11
Trip Blank

Sample Data

Date: 12/18/90 Time: 0830
Sampler: MJB Weather: cloudy, mild
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 594

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 3 130 01219-13
Equip Blank

Sample Data

Date: 12/19/90 Time: 1030
Sampler: MJS Weather: Rainy, cold
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other packer
Filtered in Field?: No / @ Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Filter / Tubing / Other
Appearance: clear

Comments: packer system steam-cleaned rubber portion deconned with soap/water, methanol, equip blank collected off of this portion

Container	Quantity	Preservative
VOA vial	2	HCl
plastic - l	1	HNO_3
plastic - l	1	H_2SO_4
plastic - l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 659

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 86-88
Project Location: Woodstock, CT	Well ID
Sample #: 5139612 19-17	Equip Blank #2

Sample Data

Date: 12/16/90 Time: 1400
Sampler: [illegible] Weather: Sunny 30s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other packer
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: Filter / Tubing / Other packer
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 959

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 3 1690 12/19 [illegible]
Trip Blank

Sample Data

Date: 12/19/90 Time: 0901
Sampler: MTB Weather: [illegible]
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: [illegible]
Equip Blank

Sample Data

Date: 12/20/90 Time: [illegible]
Sampler: MTB Weather: [illegible]
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other packer
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # [illegible] Filter ID # [illegible]
Field Decon: Filter / Tubing / Other packer
Appearance:

Comments:

Container	Quantity	Preservative
Voa vial	3	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 968

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Lynemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313300220-20
Trip Blank

Sample Data

Date: 12/20/90 Time: 0830
Sampler: MGB Weather: Sunny 40
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOC vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 699

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmen Field Service

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock CT
Sample #: 31390421-22

Well ID
Equip Blank

Sample Data

Date: 12/21/90 Time: 1415
Sampler: MJB Weather: cloudy, rain, 40s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other packer
Filtered in Field?: No / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 0 Filter ID # 5
Field Decon: Filter / Tubing / Other packer
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0001

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #:
Project Location: Woodstock, CT
Well ID
Sample #: 31501231-23
Trip Blank

Sample Data

Date: 12/21/90 Time: 10:30
Sampler: MJB Weather: Cloudy, warm, clear
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA Vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 001

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster	Project #: 36-88
Project Location: Woodstock, CT	Well ID
Sample #: 31390 12 25 29	Equip Blank

Sample Data	Container	Quantity	Preservative
Date: 12/26/96 Time: 1445	Plastic-l	1	as is
Sampler: MJB Weather: Y Sunny, 30			
Blank Water Supplied By (Lab) / F&O / Other _____			
Equipment Used: (Bailer) / Filter / Pump / Other _____			
~~Filtered in Field?: No / @Vehicle~~			
~~Method of Filtration: Pressure / Vacuum / Syringe~~			
~~Pump ID #~~ [redacted] ~~Filter ID #~~ [redacted]			
~~Field Decon: Filter / Tubing / Other~~ _____			
Appearance:			
Comments:			

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 102

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock, CT
Well ID
Sample #: 313901227-33
Equip Blank

Sample Data

Date: 12/27/90 Time: 1835
Sampler: MJB Weather: cloudy, 30s

Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
~~Filtered in Field?: No / @Vehicle~~
~~Method of Filtration: Pressure / Vacuum / Syringe~~
~~Pump ID #~~ ~~Filter ID #~~
~~Field Decon: Filter / Tubing / Other~~ _____
Appearance:

Comments:

Container	Quantity	Preservative
plastic-l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002
E03

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environment
Field Service

Client/Project Name: Linemaster
Project #: 8C-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 313910612-11
Trip Blank

Sample Data	Container	Quantity	Preservative
Date: 6/12/91 Time: 10:00 Sampler: MSR Weather: Sunny, 80s Blank Supplied By: Lab / F&O / Other _____	VOA vial	2	HCl

Comments:

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LIN002
149

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/-1
Project Location: Woodstock, CT
Well ID
Sample #: 313910612-14
Equip Blank

Sample Data

Date: 6/12/91 Time: 1700
Sampler: MSB Weather: rain, 70s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	as is
Amber-l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 705

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 3139106 13-20
Trip Blank

Sample Data

Date: 6/13/91 Time: 10:00
Sampler: MJB Weather: sunny, 70s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002 1109

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 3139106 13-19

Well ID
Equip Blank

Sample Data

Date: 6/13/91 Time: 12:00
Sampler: MTB Weather: Sunny, 70s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 6
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2	HCl
Plastic	1	HNO_3
Plastic	1	F/HNO_3
Plastic	1	as is
Amber	1	as is

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 007

Equipment Blank Field Data Sheet

FUSS&O'NEIL Environment. Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 3139106 11-06	Equip Blank

Sample Data

Date: 6/11/91 Time: 1730

Sampler: MJB Weather: sunny, 90s

Blank Water Supplied By: Lab / F&O / Other _____

Equipment Used: Bailer / Filter / Pump / Other _____

Filtered in Field?: No / Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # 6 Filter ID # 6

Field Decon: Filter / Tubing / Other _____

Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	3	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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LIN002 088

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 313910611-03
Trip Blank

Sample Data	Container	Quantity	Preservative
Date: 6/11/91 Time: 10:30 Sampler: MJB Weather: sunny, 90s Blank Supplied By: Lab / F&O / Other _____	VOG V'91	2	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
009

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock CT	Well ID
Sample #: 3413910620-02	Equip Blank

Sample Data

Date: 6/20/91 Time: 11:01

Sampler: CF Weather: Clear 80s

Blank Water Supplied By: Lab / F&O / Other

Equipment Used: Bailer / Filter / Pump / Other

Filtered in Field?: No / @Vehicle / Adjacent to Well

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # #1 Filter ID # #2

Field Decon: Filter / Tubing / Other pw.

Appearance:

Comments: Packer Test - MW-1db

Container	Quantity	Preservative
VOC *	24	HCl 3N
P *	1	Filt. HNO_3
P	1	Nitric
P	1	Ab

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 0119

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86 88 (21)
Project Location: Woodstock CT
Well ID: Trip Blank
Sample #: 3413910620-03

Sample Data	Container	Quantity	Preservative
Date: 6/20/91 Time: 11:32 Sampler: [illegible] Weather: Clear 80s Blank Supplied By: Lab / F&O / Other _____ Parker Test	VOC	2	HCl

Comments:

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LIN002

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock CT	Well ID
Sample #: 3439,0621-07	Equip Blank

Sample Data

Date: 6/21/91 Time: 16:55
Sampler: OH Weather: Clear 80,
Blank Water Supplied By: Lab / F&O / Other Alpha
Equipment Used: Bailer / Filter / Pump / Other
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Filter / Tubing / Other
Appearance:

Comments:

Container	Quantity	Preservative
V	2	HCl/I
P	1	N/I
P	1	F/N/F
P	1	I

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 212

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 343910621 - 08

Well ID
Trip Blank

Sample Data

Date: 6/21/91 Time: 17:10
Sampler: DR Weather: Clear
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
V	2	H

Comments:

nx386\e\0base\tbfds

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ADMINISTRATIVE RECORD

LIN002 [redacted] 113

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88 (21)
Project Location: Woodstock CT	Well ID
Sample #: 34B910628-12	Equip Blank

Sample Data

Date: 6/25/91 Time: 14:12
Sampler: DF Weather: Clear
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 2
Field Decon: Filter / Tubing / Other _____
Appearance: Clear
Comments:

Container	Quantity	Preservative
VOA	4	HCl/I
P	1	I
P	1	Nitric/I
P	1	Filt. Nitric I

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 414

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Well ID
Sample #: 3439-0624-123
Trip Blank

Sample Data	Container	Quantity	Preservative
Date: 6/24/91 Time: 9:85 Sampler: DF Weather: Clear 90s Blank Supplied By: Lab / F&O / Other _____	V	2	HCl

Comments:

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LIN002
5 1 3

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock CT
Sample #: 3439106 25-17

Well ID
Equip Blank

Sample Data

Date: 6/27/91 Time: 1[illegible]:40
Sampler: CF Weather: Clear
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 2
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
V	2	H/I
P	1	I
P	1	Nitric/I
P	1	Nitric/Filter/I

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 [redacted] 5 1 6

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 96-88
Project Location: Woodstock CT
Sample #: 343910625-18
Well ID
Trip Blank

Sample Data

Date: 6/25/91 Time:
Sampler: CF Weather: Clear 80s
Blank Supplied By: Lab / F&O / Other

Container	Quantity	Preservative
VOA	2	H/I

Comments:

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LIN002

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: ~~3439106201~~ 21
343910626 9/25/91 P.B.

Well ID
Equip Blank

Sample Data

Date: 6/26/91 Time: 14:30
Sampler: DF Weather: Clear
Blank Water Supplied By: Lab / F&O / Other Alpha
Equipment Used: Bailer / Filter / Pump / Other Packers.
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
V	2	HCl/I
P	1	I
P	1	N/I
P	1	HN/I

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 1 8

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 34391 0626-22

Well ID
Trip Blank

Sample Data

Date: 6/26/91 Time: 12:00
Sampler: CJL Weather: Clear
Blank Supplied By: Lab / F&O / Other Alpha

Container	Quantity	Preservative
V	2	HCl/I

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
619

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88 (01)
Project Location: Woodstock CT
Well ID
Sample #: 3439/0627-27
Trip Blank

Sample Data

Date: 6/27/91 Time: 15:20
Sampler: DT Weather: Clear 80°
Blank Supplied By: (Lab) F&O / Other _____

Container	Quantity	Preservative
V	2	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 020

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock
Sample #: 3413910629 - 26

Well ID
Equip Blank

Sample Data

Date: 6/27/91 Time: 17:00
Sampler: DZ Weather: Clear 80°
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 1
Field Decon: Filter / Tubing / Other
Appearance:
Comments:

Container	Quantity	Preservative
V	2	HCl
P	1	I
P	1	Nitric
P	1	Filtered/Nitric
A	1	HCl

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002121

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock CT	Well ID
Sample #: 343910628-32	Trip Blank

Sample Data

Date: 6/28/91 Time: 15:40
Sampler: CT Weather: Clear 90s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
V	2	HCl/I

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 722

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Sample #: 3439106 28-30

Well ID
Equip Blank

Sample Data

Date: 6/28/91 Time: ~~Clear~~ 15:05
Sampler: [illegible] Weather: Clear
Blank Water Supplied By: Lab / F&O / Other Alpha
Equipment Used: Bailer / Filter / Pump / Other pocket
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
V	2	HCl/T
P	1	N/I

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 123

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Well ID: Trip Blank
Sample #: 3413910701 — 39

Sample Data

Date: 7/1/91 Time: 1600
Sampler: JT Weather: Clear 80s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
V	2	H/I

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 424

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock CT
Sample #: 343910701-36

Well ID
Equip Blank

Sample Data

Date: 7/1/91 Time: 11:48
Sampler: DT Weather: clear 70s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # A / Filter ID # /
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
V	2	HCl
P	1	NaOH
P	1	Nitric
P	1	Filt/Nitric

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 425

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Servic

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: Trip Blank
Sample #: 343910707-42

Sample Data	Container	Quantity	Preservative
Date: 7/2/91 Time: 18:00 Sampler: JF Weather: Clear Blank Supplied By: Lab / F&O / Other Alpha	V	2	HCl / I

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 226

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock CT
Well ID: Trip Blank
Sample #: 31/3910705-LS

Sample Data	Container	Quantity	Preservative
Date: 7/5/91 Time: 13[illegible]	V	2	HCl/I
Sampler: DZ Weather: [illegible] 70s			
Blank Supplied By: Lab / F&O / Other _____			

Comments:

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ADMINISTRATIVE RECORD

LIN002
127

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88 (21)
Project Location: Woodstock, CT
Sample #: 3439107049 - 49
B

Well ID
Equip Blank

Sample Data

Date: 7/8/91 Time: 16:45
Sampler: CT Weather: Clear 80's
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID #: 3 Filter ID #: 1
Field Decon: Filter / Tubing / Other
Appearance:
Comments:

Container	Quantity	Preservative
V	2	HCl
P	1	I
P	1	N/I
P	1	H/N/I
A	1	H/I

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 828

Trip Blank Field Data Sheet

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Sample #: 343910708 - 4198

Well ID
Trip Blank

FUSS&O'NEILL Environmental Field Services

Sample Data

Date: 7/6/91 Time: 8:18
Sampler: [illegible] Weather: Clear 80s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
V	2	H/I
A	1	H/I

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 629

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster Switch	Project #: 86-88(21)
Project Location: Woodstock	Well ID
Sample #: 3413910709-53	Equip Blank

Sample Data

Date: 7/9/91 Time: 12:28
Sampler: LH Weather: Clear 80s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 2 Filter ID # 1
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
V	2	HCl
P	1	Nitric
P	1	As Is
P	1	Filter/Nitric

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88(21)
Project Location: Woodstock
Sample #: 343910709-54

Well ID
Trip Blank

Sample Data	Container	Quantity	Preservative
Date: 7/9/91 Time: 12:34 Sampler: JT Weather: Clear 80s Blank Supplied By: Lab / F&O / Other _____	V	2	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-68(21)
Project Location: Woodstock CT
Sample #: 343910709-55

Well ID
Equip Blank

Water from N.E.W.P. Tanker

Sample Data

Date: 7/9/91 Time: 12:31
Sampler: CF Weather: Clear 80s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other
Filtered in Field? No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # Filter ID #
Field Decon: Filter / Tubing / Other
Appearance:
Comments:

Container	Quantity	Preservative
V	2	HCl

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002 0232

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock CT
Sample #: 3598108 28-33

Well ID
Trip Blank

Sample Data

Date: 8/28/91 Time: 1613
Sampler: RRK Weather: Sunny 90's
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA	1	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002
133

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 31391-12-17-04	Equip Blank

Sample Data

Date: 12/17/91 Time: 1500

Sampler: MJB Weather: cloudy, snowing, 30s

Blank Water Supplied By: Lab / F&O / Other _____

Equipment Used: Bailer / Filter / Pump / Other _____

Filtered in Field?: No / @Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Pump ID # 6 Filter ID # 5

Field Decon: Filter / Tubing / Other _____

Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2 *	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	as rs

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002
EB4

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88-21
Project Location: Woodstock, CT
Well ID: Trip Blank
Sample #: 31391 1217 06

Sample Data

Date: 12/17/91 Time: 12:00
Sampler: MJB Weather: cloudy, 30s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	2	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002 435

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environment
Field Services

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	**Well ID**
Sample #: 313911218-07	**Equip Blank**

Sample Data

Date: 12/18/91 Time: 12:30
Sampler: MJB Weather: p. sunny, 20s
Blank Water Supplied By: (Lab) / F&O / Other
Equipment Used: Bailer / (Filter / Pump) / (Other) Packer
Filtered in Field?: No / (@Vehicle)
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 6 Filter ID # 5
Field Decon: (Filter / Tubing) / Other
Appearance:

Comments:

Container	Quantity	Preservative
voa vial	2 *	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	as is

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD
LIN002 0359

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 313911219-12

Well ID
Equip Blank

Sample Data

Date: 12/19/91 Time: 1640
Sampler: MJB Weather: Sunny, 20s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other
Filtered in Field?: No / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 6 Filter ID # 1
Field Decon: Filter / Tubing / Other
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2 *	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is

* – Organic-free DI water used in these containers.

Comments:

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LIN002
LEL

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Service

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 313U219-10
Trip Blank

Sample Data

Date: 12/19/91 Time: 10:45
Sampler: MJR Weather: Sunny 20
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002
388

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 313911223-16

Well ID
Equip Blank

Sample Data

Date: 12/23/91 Time: 1545
Sampler: MSB Weather: cloudy, 30s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other Packer
Filtered in Field?: No / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 2
Field Decon: Filter / Tubing / Other Packer
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2 *	HCl
Plastic-l	1 **	HNO_3
Plastic-l	1 **	F/HNO_3
Plastic-l	1 **	As Is

* – Organic-free DI water used in these containers.

** F+O D.I. water used for these containers

Comments:

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ADMINISTRATIVE RECORD

LIN002 639

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 3139112231-13
Trip Blank

Sample Data

Date: 12/23/91 Time: 10:00
Sampler: MJN Weather: Sunny, 40s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002
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Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 313911226-20

Well ID
Equip Blank

Sample Data

Date: 12/26/91 Time: 1540
Sampler: MTR Weather: sunny, 20s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other Parker
Filtered in Field?: No / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 4
Field Decon: Filter / Tubing / Other Parker
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2 *	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	As IS

* – Organic-free DI water used in these containers.

Comments:

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LIN002 741

Trip Blank Field Data Sheet

FUSS&O'NEIL
Environmen
Field Service

Client/Project Name: Linemaster	Project #: 86-88-21
Project Location: Woodstock, CT	Well ID
Sample #: 3139-12-26-18	Trip Blank

Sample Data

Date: 12/26/91 Time: 1200
Sampler: NTB Weather: Sunny/30s
Blank Supplied By: (Lab) F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
242

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Equip Blank
Sample #: 313911227-22

Sample Data

Date: 12/27/91 Time: 1500
Sampler: MJB Weather: cloudy, 30s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 5 Filter ID # 5
Field Decon: Filter / Tubing / Other
Appearance:

Comments:

Container	Quantity	Preservative
voa vial	3 *	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
143

Trip Blank Field Data Sheet

FUSS&O'NEILL Environment Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 3139.1227-21
Trip Blank

Sample Data

Date: 12/27/91 Time: 9:15
Sampler: MJR Weather: Sunny, 20s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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ADMINISTRATIVE RECORD

LIN002
444

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 313911230-33

Well ID
Equip Blank

Sample Data

Date: 12/30/91 Time: 1515
Sampler: MJB Weather: cloudy, 30s
Blank Water Supplied By: (Lab) / F&O / Other
Equipment Used: (Bailer / Filter / Pump) / (Other) Packer
Filtered in Field?: No / (Vehicle)
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 1 Filter ID # 4
Field Decon: (Filter / Tubing) / (Other) Packer
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	3 *	HCl
Plastic - l	1	HNO_3
Plastic - l	1	F/HNO_3
Plastic - l	1	As Is

* – Organic-free DI water used in these containers.

Comments:

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LIN002
545

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 3/3911230-28
Trip Blank

Sample Data

Date: 12/30/91 Time: 10:50
Sampler: MJB Weather: cloudy, 30s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 945

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 313920103-13

Well ID
Equip Blank

Sample Data

Date: 1/3/92 Time: 1500
Sampler: MTB Weather: cloudy, 40s
Blank Water Supplied By: (Lab) / F&O / Other _____
Equipment Used: Bailer / Filter / (Pump) / Other _____
Filtered in Field?: No / (@Vehicle)
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 1 Filter ID # 5
Field Decon: (Filter / Tubing) / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
voa vial	2 *	HCl
Plastic l	1	HNO_3
Plastic l	1	F/HNO_3
Plastic l	1	As Is

* – Organic-free DI water used in these containers.

Comments:

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ADMINISTRATIVE RECORD

LIN002
474

Trip Blank Field Data Sheet

FUSS&O'NEIL Environment Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 31392 0103-10
Trip Blank

Sample Data

Date: 1/3/92 Time: 10:45
Sampler: MJB Weather: cloudy, 40s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 848

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 313920106-20

Well ID
Equip Blank

Sample Data

Date: 1/6/92 Time: 1530
Sampler: MJB Weather: cloudy, 30s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other
Filtered in Field?: No / Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 1
Field Decon: Filter / Tubing / Other
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2*	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	As Is
Amber-l	1*	As Is

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 649

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmen+-l
Field Servi

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920106-19	Equip Blank

Sample Data

Date: 1/6/92 Time: 1330
Sampler: MJB Weather: sunny, 40s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other Submersible pump
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 1
Field Decon: Filter / Tubing / Other Submersible pump
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2 *	HCl
Plastic-l	1	HNO_3
Plastic-l	1	F/HNO_3
Plastic-l	1	As Is
Amber-l	1 *	As Is

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0150

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 313920106-TB
Trip Blank

Sample Data

Date: 1/6/92 Time: 10:15
Sampler: MTB Weather: p.cloudy, 30s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	2	HCl

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 151

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environmen
Field Servic

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 3/3920107-25	Equip Blank

Sample Data

Date: 1/7/92 Time: 1450
Sampler: MJB Weather: partly sunny, 30s
Blank Water Supplied By: Lab / F&O / Other
Equipment Used: Bailer / Filter / Pump / Other Submersible p.
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 1 Filter ID # 3
Field Decon: Filter / Tubing / Other
Appearance:

Comments:

Container	Quantity	Preservative
VOA vial	2 *	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
Plastic-l	1	As Zs
Amber-l	1	As Zs

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 152

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID: Trip Blank
Sample #: 31392 01 07-22

Sample Data

Date: 1/7/92 Time: 9:50
Sampler: MJB Weather: Sunny, 40s
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA vial	2	HCl
Amber.l	1	As Is

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
1553

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: Linemaster Switch Co.	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: 313920108-34	Equip Blank

Sample Data

Date: 1/8/92 Time: 1900
Sampler: MJB Weather: Sunny, 30s
Blank Water Supplied By: (Lab) / F&O / Other
Equipment Used: (Bailer) / (Filter / Pump) / Other ~~Submersible~~
Filtered in Field?: No / (Vehicle)
Method of Filtration: (Pressure) / Vacuum / Syringe
Pump ID # 4 Filter ID # 3
Field Decon: ~~Filter / Tubing~~ / Other
Appearance:
Comments:

Container	Quantity	Preservative
VOA vial	2 *	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3
plastic-l	1	As Is
Amber-l	1 *	As Is

* – Organic-free DI water used in these containers.

Comments:

nx386\e\0base\ebfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 154

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 313920108-33
Trip Blank

Sample Data

Date: 1/8/92 Time: 10:30
Sampler: MJB Weather: sunny, 30s
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	2	HCl
Amber-l	1	As Is

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 155

Equipment Blank Field Data Sheet

FUSS&O'NEILL
Environment
Field Servic

Client/Project Name: Linemaster	Project #: 86-88-21
Project Location: Woodstock, CT	Well ID
Sample #: 313920109-46	Equip Blank

Sample Data

Date: 1/9/92 Time: 1355
Sampler: MJB Weather: cloudy, snow, 30s
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field?: No / Drivehole
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # 4 Filter ID # 6
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
VOA Vial	2 *	HCl
Plastic-P	1	HNO_3
Plastic-P	1	F/HNO_3
Plastic-P	1	As Is
Amber-P	1 *	As Is

* - Organic-free DI water used in these containers.

Comments:

nx386\e\0base\ebfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0559

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster Switch Co.
Project #: 86-88/21
Project Location: Woodstock, CT
Well ID
Sample #: 513920159-LTS
Trip Blank

Sample Data

Date: 1/9/92 Time: 12:30
Sampler: MTB Weather: Snow, 36°F
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
voa vial	2	HCl

Comments:

nx386\e\0base\tbfds

revised 05/01/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
157

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Servic

Client/Project Name: Linemaster Switch
Project #: 86-88
Project Location: Woodstock
Well ID: Trip Blank
Sample #: 373920225-01

Sample Data

Date: 2/25/92 Time: 15:00
Sampler: PDL Weather:
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
1 liter Amber	1l	~

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
858

EQUIPMENT ~~Trip~~ Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER

Project #:

Project Location: WOODSTOCK CT.

Sample #: 351920421-09

EQUIP Blank ~~Trip Blank~~ Well ID

Sample Data

Date: 4/21/92 Time: 1450

Sampler: MRG Weather: cloudy 60s

Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA	3	HCL
Plastic l	1	HNO_3

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 659

Trip Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Ser s

Client/Project Name: LINEMASTER	Project #: 86-88/21	Well ID
Project Location: WOODSTOCK CT.		Trip Blank
Sample #: 351920421-04		

Sample Data

Date: ~~1445~~ 4/21/92 Time: 1445
Sampler: MRG Weather: cloudy 60's
Blank Supplied By: (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA	~~1~~ 1	HCL

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0150

Equipment

~~Trip~~ Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88/21
Project Location: Woodstock, CT
Sample #: 35192042)-12

Equipment ~~Trip~~ Well ID
P.B ~~Trip~~ Blank

5/28/92

Sample Data

Date: 4/22/92 Time: 1430
Sampler: MJB Weather: cloudy, 60s
Blank Supplied By: Lab / F&O / Other _____
Bailer, filter, pump

Container	Quantity	Preservative
VOA vial	2	HCl
plastic-l	1	HNO_3
plastic-l	1	F/HNO_3

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 [redacted] 1 9 1

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Servic

Client/Project Name: Linemaster	Project #: 86-88/21
Project Location: Woodstock, CT	Well ID
Sample #: ~~313~~ 351920421-13	Trip Blank

Sample Data

Date: 4/22/92 Time: 1350
Sampler: MJB Weather: cloudy 60s
Blank Supplied By (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA vial	1	HCl

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 4162

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sample #: 373920429-06

Well ID
Equip Blank

Sample Data

Date: 4/29/92 Time: 1530
Sampler: DAL Weather: Sun 50s

Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other Bladders
Filtered in Field?: No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # ____ Filter ID # ____
Field Decon: Filter / Tubing / Other _____

Appearance: Clear no odor

Comments:

Container	Quantity	Preservative
VOA	3*	HCl
Plastic	1*	HNO_3

* – Organic-free DI water used in these containers.

Comments:

adfldsvc\efs\ebfds

revised 05/01/90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E 9 5 3

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Service

Client/Project Name: Linemaster
Project #: 86-88
Project Location: Woodstock
Sample #: 373920429-07

Well ID
Trip Blank

Sample Data

Date: 4/29/92 Time: 1300
Sampler: PDL Weather: Sunny
Blank Supplied By (Lab) / F&O / Other _____

Container	Quantity	Preservative
VOA	1	HCl

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0154

Trip Blank Field Data Sheet

FUSS&O'NEILL
Environmental
Field Services

Client/Project Name: Linemaster
Project #:
Project Location: Woodstock
Sample #: 373920501 - 11

Well ID
Trip Blank

Sample Data

Date: 4/1/92 Time: 1222
Sampler: PDL Weather: Sun 50°
Blank Supplied By: Lab / F&O / Other _____

Container	Quantity	Preservative
VOA	1	HCl

Comments:

nx386\e\0base\tbfds

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 155

Equipment Blank Field Data Sheet

FUSS&O'NEILL Environmental Field Services

Client/Project Name: LINEMASTER SWITCH CORP
Project #: 86-88
Project Location: Woodstock, CT
Well ID: Equip Blank
Sample #: 401920520-04

Sample Data

Date: 5/20/92 Time: 13:30
Sampler: STR Weather: Sun 70's
Blank Water Supplied By: Lab / F&O / Other _____
Equipment Used: Bailer / Filter / Pump / Other _____
Filtered in Field? No / @Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Pump ID # _____ Filter ID # _____
Field Decon: Filter / Tubing / Other _____
Appearance:

Comments:

Container	Quantity	Preservative
Plastic 1L	1	HNO_3

* – Organic-free DI water used in these containers.

Comments:

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2559

APPENDIX F
SLUG TEST DATA AND GRAPHICAL ANALYSIS RESULTS

REMEDIAL INVESTIGATION REPORT
LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT
AUGUST 1992

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
1691

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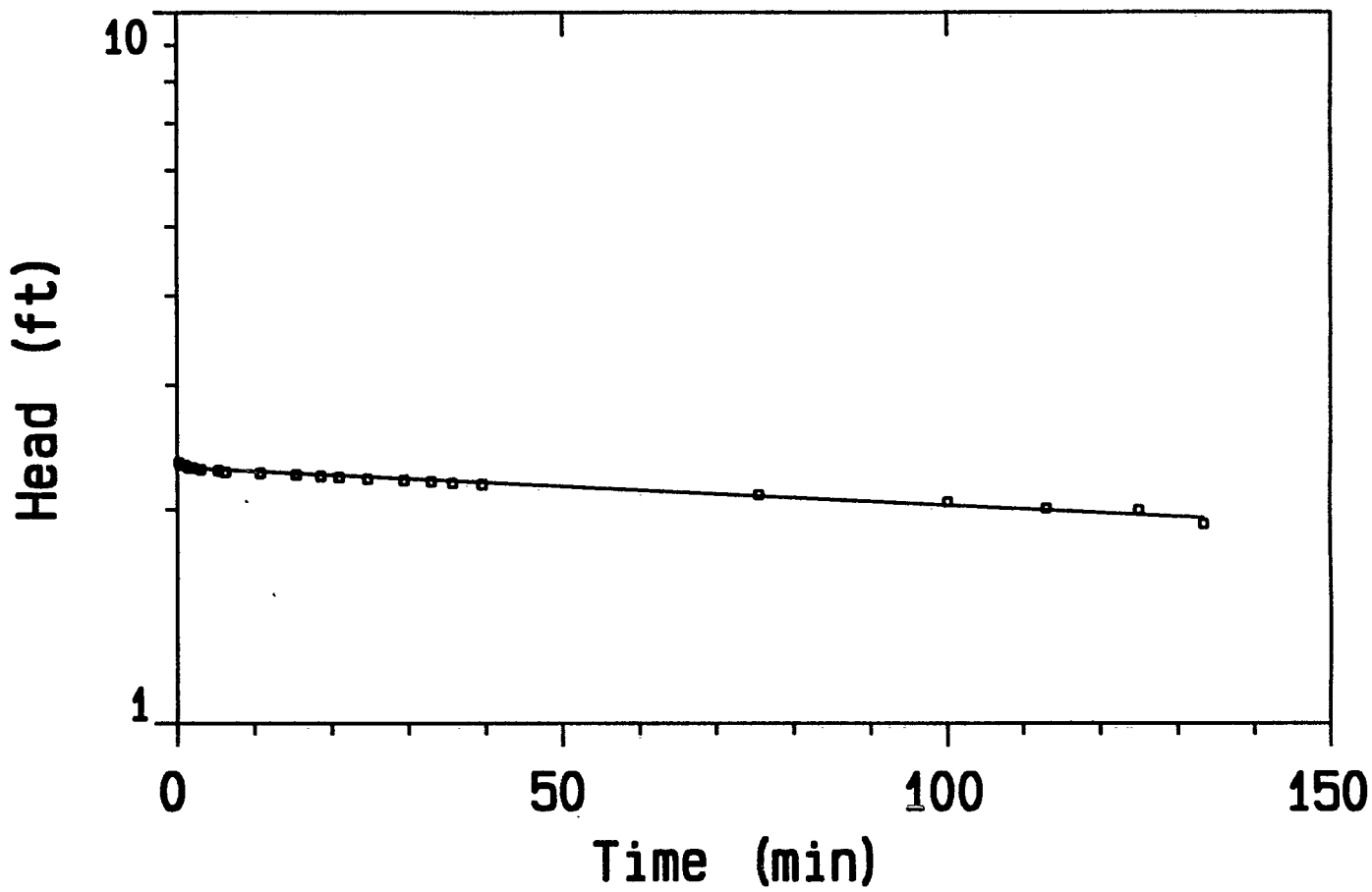

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: .002495 ft/day TRANSMISSIVITY: .1649 sq. ft/day INITIAL HEAD: 2.330 ft Data Set: MW-1T — Date: 4/20/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 66.09 SCREEN: top: 35.57 base: 45.57 DIAMETER: casing: .1780 intake: .3340 DEPTH: Water Table: 7.910 TD: 45.57	**SLUG TEST ANALYSIS** **Well: MW-1t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 168

DATA SET: MW-1T

CLIENT:	RI/FS	DATE:	4/20/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-1t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	45.57 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	7.910 ft
AQUIFER:	TILL	THICKNESS:	66.09 ft
INTAKE RADIUS:	0.167 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	35.570 ft	SCREEN BASE:	45.57 ft
INITIAL HEAD:	2.330 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.16492square ft/day

CONDUCTIVITY: 0.00250 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.250	2.33	2.29	1.63
2	0.400	2.31	2.29	0.798
3	0.670	2.31	2.29	0.831
4	1.00	2.31	2.28	0.871
5	1.17	2.30	2.28	0.461
6	1.50	2.29	2.28	0.0665
7	2.00	2.29	2.28	0.127
8	3.00	2.28	2.28	-0.188
9	5.35	2.27	2.27	-0.341
10	6.23	2.26	2.27	-0.677
11	10.75	2.25	2.26	-0.568
12	15.42	2.24	2.24	-0.443
13	18.60	2.23	2.24	-0.503
14	20.97	2.22	2.23	-0.664
15	24.67	2.21	2.22	-0.664
16	29.37	2.20	2.21	-0.543
17	32.85	2.19	2.20	-0.574
18	35.68	2.18	2.19	-0.687
19	39.48	2.17	2.18	-0.683
20	75.48	2.10	2.09	0.431
21	100.0	2.05	2.02	1.01
22	113.0	2.01	1.99	0.628
23	125.0	2.00	1.96	1.58

* Fuss & O'Neill, Inc. *

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0159

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	133.4	1.91	1.94	-1.99

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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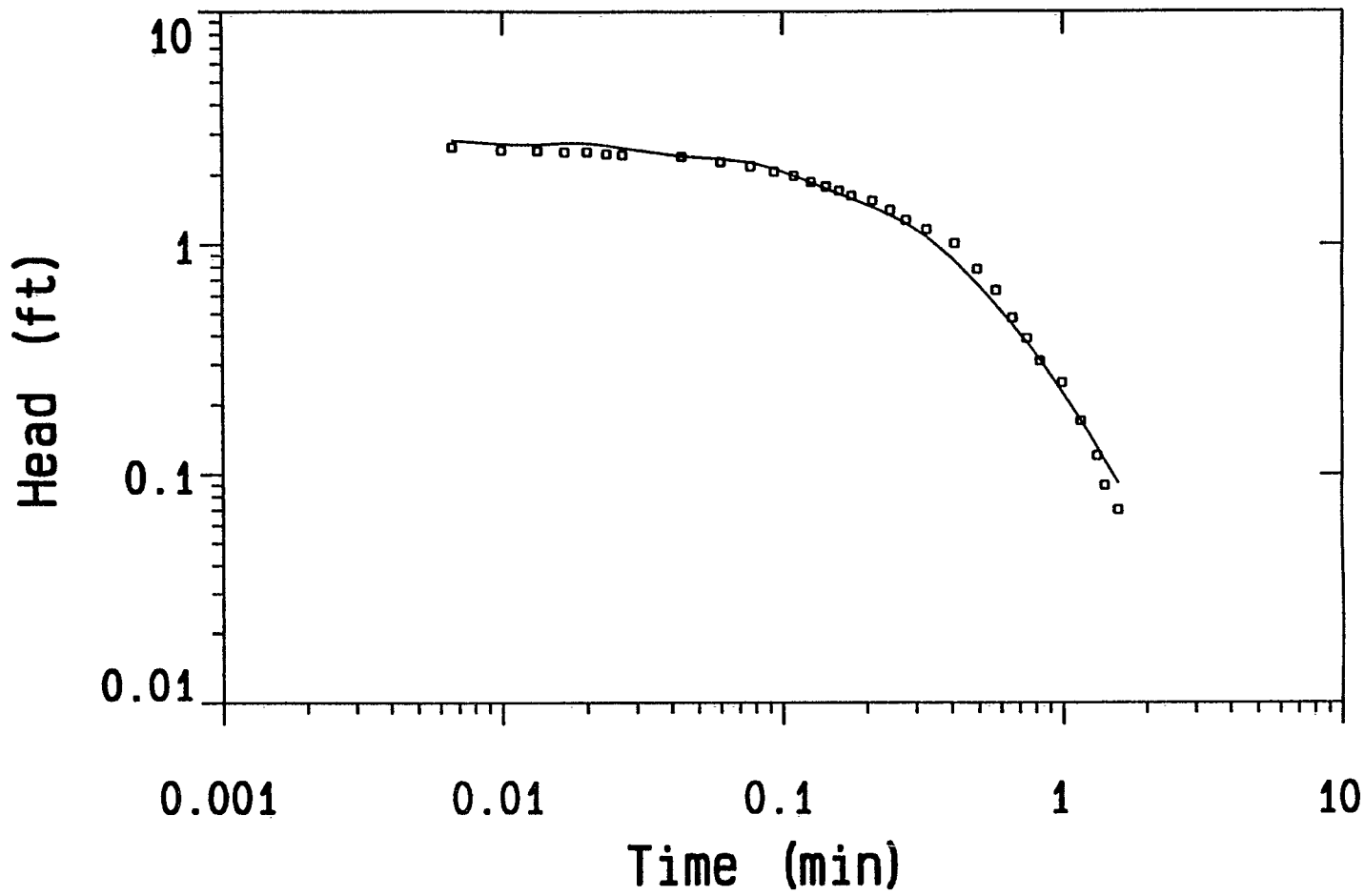
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
0170



MODEL TYPE: COOPER et al. TRANSMISSIVITY: 996.3 sq. ft/day STORATIVITY: 3.589E-6 INITIAL HEAD: 2.900 ft Data Set: MW-10B1 — Date: 6/04/91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: DEEP BEDROCK THICKNESS: 216.0 SCREEN: top: 84.00 base: 300.0 DIAMETER: casing: .5000 intake: .5000 DEPTH: Water Table: 42.35 TD: 300.0	SLUG TEST ANALYSIS **Well: MW-1db** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 1 L 1

LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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DATA SET: MW-1DB1

CLIENT:	RI/FS	DATE:	6/04/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-1db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	300.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	42.350 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	216.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	84.000 ft	SCREEN BASE:	300.00 ft
INITIAL HEAD:	2.900 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 10.044 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0000036	FREE
TRANSMISSIVITY:	996.30414 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00660	2.63	2.81	-6.92
2	0.00990	2.55	2.70	-6.22
3	0.0133	2.54	2.70	-6.35
4	0.0166	2.51	2.74	-9.28
5	0.0199	2.51	2.73	-8.91
6	0.0233	2.46	2.67	-8.80
7	0.0266	2.43	2.60	-7.24
8	0.0433	2.39	2.39	-0.259
9	0.0599	2.27	2.33	-2.69
10	0.0766	2.17	2.25	-3.70
11	0.0933	2.06	2.11	-2.70
12	0.109	1.97	1.97	-0.132
13	0.126	1.86	1.84	0.660
14	0.143	1.78	1.74	2.17
15	0.159	1.70	1.65	2.89
16	0.176	1.62	1.57	2.98
17	0.209	1.54	1.44	6.44
18	0.243	1.40	1.33	4.83
19	0.276	1.27	1.23	3.01
20	0.326	1.16	1.08	6.81
21	0.410	1.01	0.849	15.86

* Fuss & O'Neill, Inc. *

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 7 2

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.493	0.780	0.672	13.84
23	0.576	0.630	0.543	13.74
24	0.660	0.480	0.448	6.61
25	0.743	0.390	0.373	4.28
26	0.826	0.310	0.313	-1.09
27	0.993	0.250	0.227	8.86
28	1.16	0.170	0.170	-0.193
29	1.32	0.120	0.130	-8.36
30	1.41	0.0900	0.114	-27.12
31	1.57	0.0700	0.0918	-31.19

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.96	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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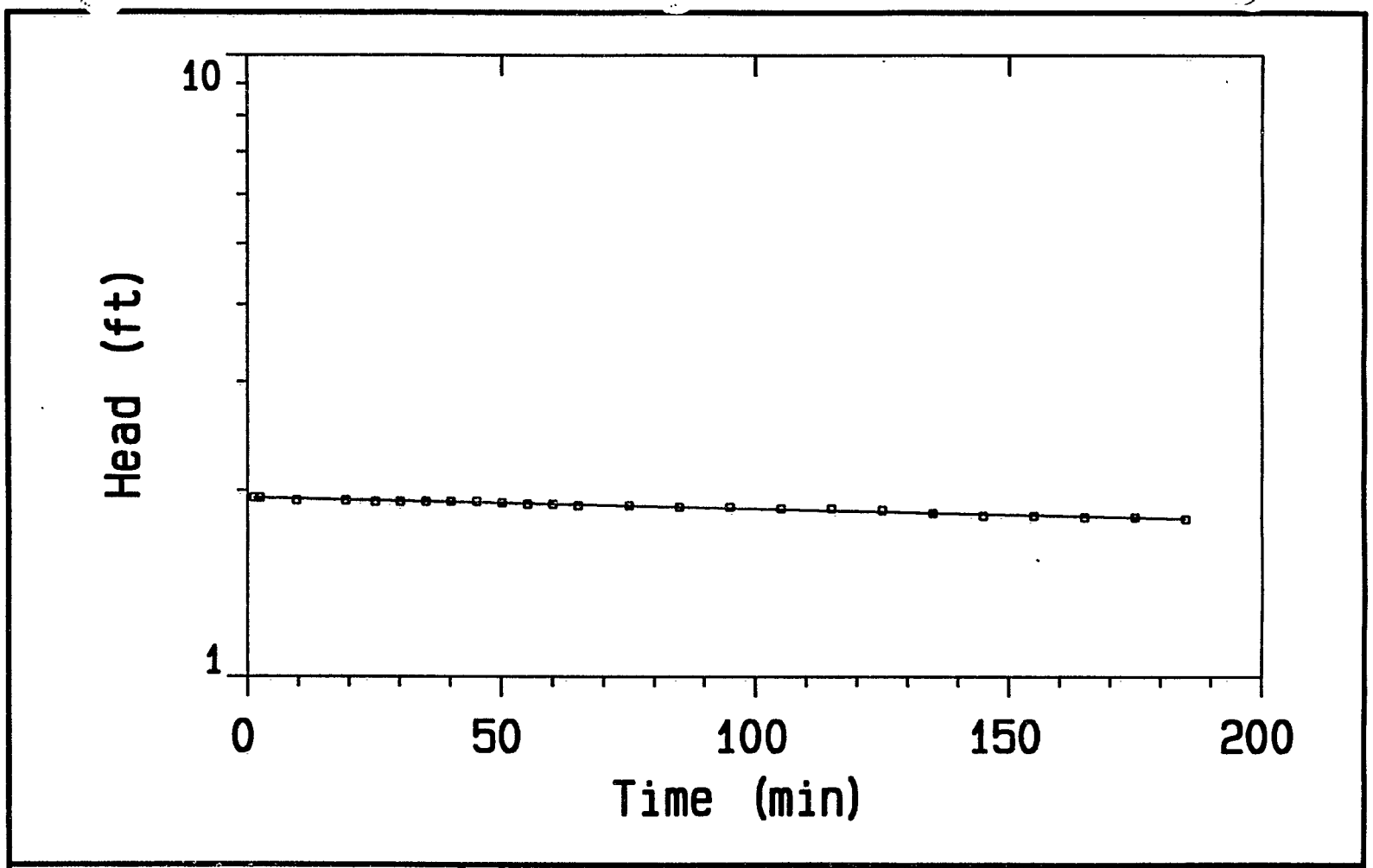

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: .001430 ft/day TRANSMISSIVITY: .06435 sq. ft/day INITIAL HEAD: 1.950 ft	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 45.00 SCREEN: top: 30.52 base: 35.52 DIAMETER: casing: .1780 intake: .3340 DEPTH: Water Table: 2.550 TD: 35.52	SLUG TEST ANALYSIS **Well: MW-2t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT
Data Set: MW-2T | Date: 4/20/90		

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 0714

DATA SET: MW-2T

CLIENT:	RI/FS	DATE:	4/20/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-2t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	35.52 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	2.550 ft
AQUIFER:	TILL	THICKNESS:	42.45 ft
INTAKE RADIUS:	0.167 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	30.520 ft	SCREEN BASE:	35.52 ft
INITIAL HEAD:	1.950 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.06123square ft/day

CONDUCTIVITY: 0.00144 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.18	1.95	1.94	0.117
2	2.42	1.95	1.94	0.169
3	9.60	1.93	1.94	-0.558
4	19.33	1.93	1.93	-0.145
5	25.15	1.92	1.92	-0.419
6	30.13	1.92	1.92	-0.208
7	35.12	1.92	1.91	0.00320
8	40.12	1.92	1.91	0.214
9	45.12	1.92	1.91	0.425
10	50.08	1.91	1.90	0.114
11	55.08	1.90	1.90	-0.199
12	60.00	1.90	1.89	0.00909
13	65.00	1.89	1.89	-0.307
14	75.00	1.89	1.88	0.116
15	85.00	1.88	1.87	0.00897
16	95.00	1.88	1.87	0.431
17	105.0	1.87	1.86	0.321
18	115.0	1.87	1.85	0.742
19	125.0	1.86	1.84	0.630
20	135.0	1.84	1.84	-0.0254
21	145.0	1.82	1.83	-0.697
22	155.0	1.82	1.82	-0.272
23	165.0	1.81	1.81	-0.400

* Fuss & O'Neill, Inc. *

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ADMINISTRATIVE RECORD

LIN002 0115

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	175.0	1.81	1.80	0.0235
25	185.0	1.80	1.80	-0.107

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0179

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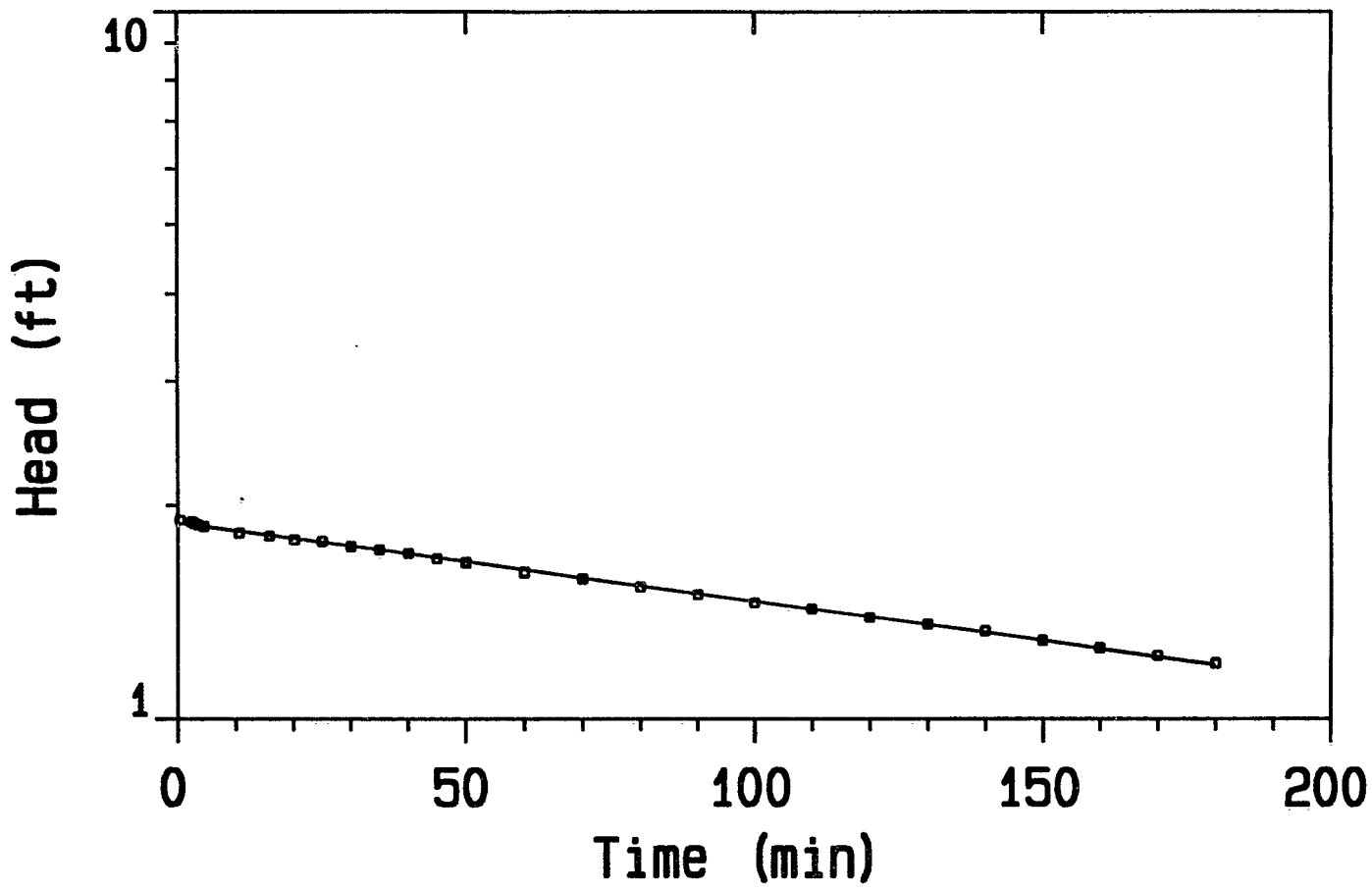

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: .008683 ft/day TRANSMISSIVITY: .1655 sq. ft/day INITIAL HEAD: 1.910 ft Data Set: MW-3T Date: 4/23/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 19.06 SCREEN: top: 14.58 base: 19.58 DIAMETER: casing: .1780 intake: .3340 DEPTH: Water Table: 1.940 TD: 19.58	**SLUG TEST ANALYSIS** **Well: MW-3t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 [redacted]

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-3T

CLIENT:	RI/FS	DATE:	4/23/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-3t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	19.58 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	1.940 ft
AQUIFER:	TILL	THICKNESS:	19.06 ft
INTAKE RADIUS:	0.167 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	14.580 ft	SCREEN BASE:	19.58 ft
INITIAL HEAD:	1.910 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.16549square ft/day

CONDUCTIVITY: 0.00868 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.420	1.91	1.89	1.03
2	2.33	1.90	1.88	0.994
3	2.83	1.89	1.87	0.597
4	3.50	1.88	1.87	0.239
5	4.47	1.87	1.87	-0.0457
6	10.57	1.83	1.84	-0.653
7	15.80	1.81	1.81	-0.417
8	20.15	1.79	1.79	-0.418
9	25.02	1.78	1.77	0.264
10	30.00	1.75	1.75	-0.164
11	35.00	1.73	1.73	-0.0381
12	40.00	1.71	1.70	0.0747
13	45.00	1.68	1.68	-0.420
14	50.00	1.66	1.66	-0.342
15	60.00	1.61	1.62	-0.852
16	70.00	1.58	1.58	-0.178
17	80.00	1.54	1.54	-0.191
18	90.00	1.50	1.50	-0.271
19	100.0	1.46	1.46	-0.423
20	110.0	1.43	1.42	0.0522
21	120.0	1.39	1.39	-0.233
22	130.0	1.36	1.35	0.135
23	140.0	1.33	1.32	0.455

* Fuss & O'Neill, Inc. *

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0178

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	150.0	1.29	1.29	-0.0455
25	160.0	1.26	1.25	0.152
26	170.0	1.23	1.22	0.293
27	180.0	1.20	1.19	0.375

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 719

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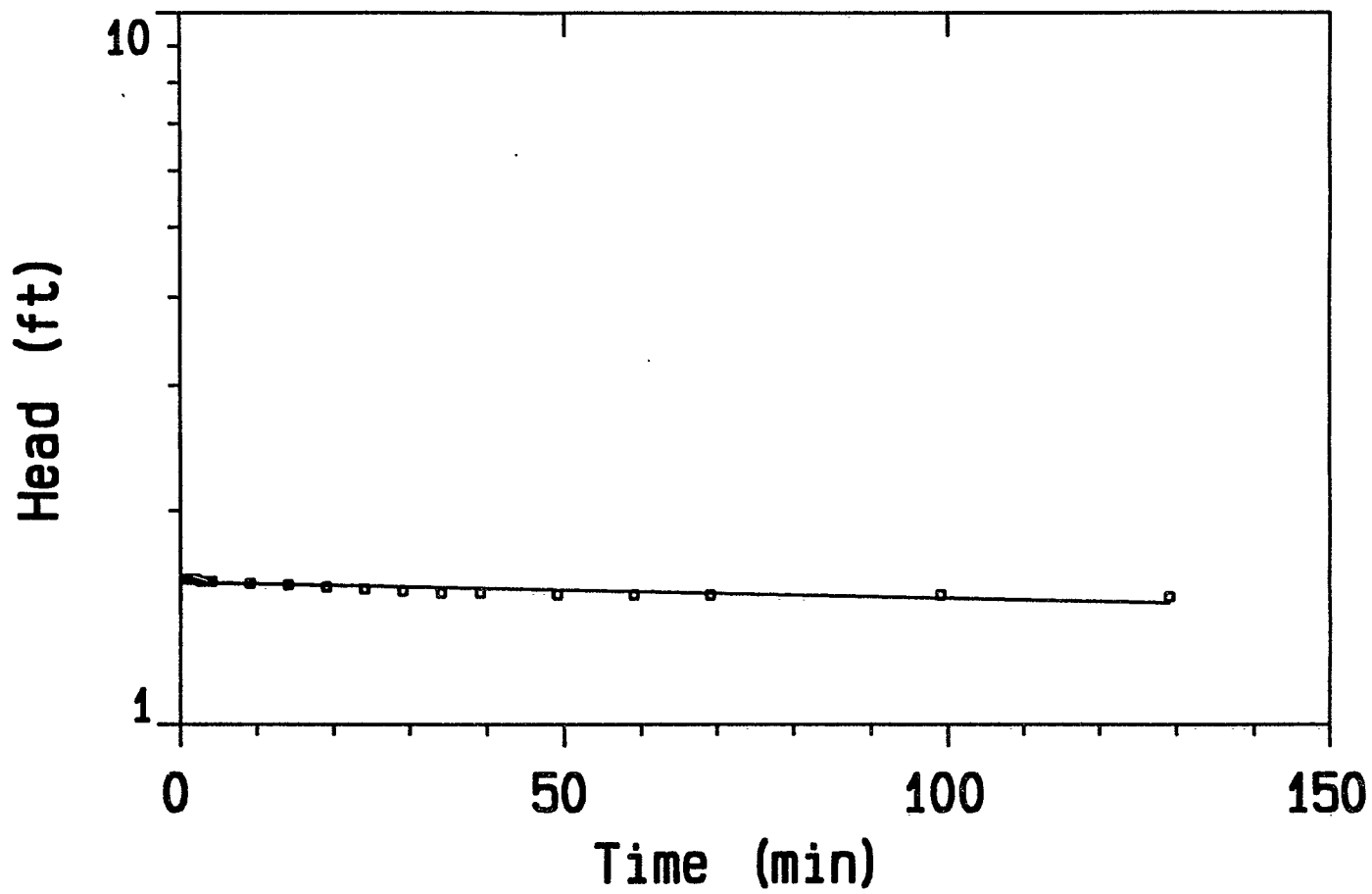

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: .001999 ft/day TRANSMISSIVITY: .07790 sq. ft/day INITIAL HEAD: 1.600 ft Data Set: MW-4T — Date: 4/26/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 38.97 SCREEN: top: 30.53 base: 35.53 DIAMETER: casing: .1780 intake: .3340 DEPTH: Water Table: 6.030 TD: 35.53	SLUG TEST ANALYSIS **Well: MW-4t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 080

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-4T

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-4t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	35.53 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	6.030 ft
AQUIFER:	TILL	THICKNESS:	38.97 ft
INTAKE RADIUS:	0.167 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	30.530 ft	SCREEN BASE:	35.53 ft
INITIAL HEAD:	1.600 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.07790square ft/day

CONDUCTIVITY: 0.00200 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.570	1.60	1.58	0.993
2	1.08	1.60	1.58	1.01
3	1.58	1.60	1.58	1.04
4	2.08	1.60	1.58	1.07
5	2.58	1.59	1.58	0.475
6	3.08	1.59	1.58	0.501
7	3.58	1.59	1.58	0.527
8	4.08	1.59	1.58	0.553
9	9.08	1.58	1.57	0.186
10	14.08	1.57	1.57	-0.186
11	19.08	1.56	1.56	-0.564
12	24.08	1.55	1.56	-0.948
13	29.08	1.54	1.56	-1.33
14	34.08	1.53	1.55	-1.73
15	39.08	1.53	1.55	-1.46
16	49.08	1.52	1.54	-1.60
17	59.08	1.52	1.53	-1.06
18	69.08	1.52	1.52	-0.540
19	99.08	1.52	1.50	1.02
20	129.0	1.51	1.48	1.92

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

* Fuss & O'Neill, Inc. *

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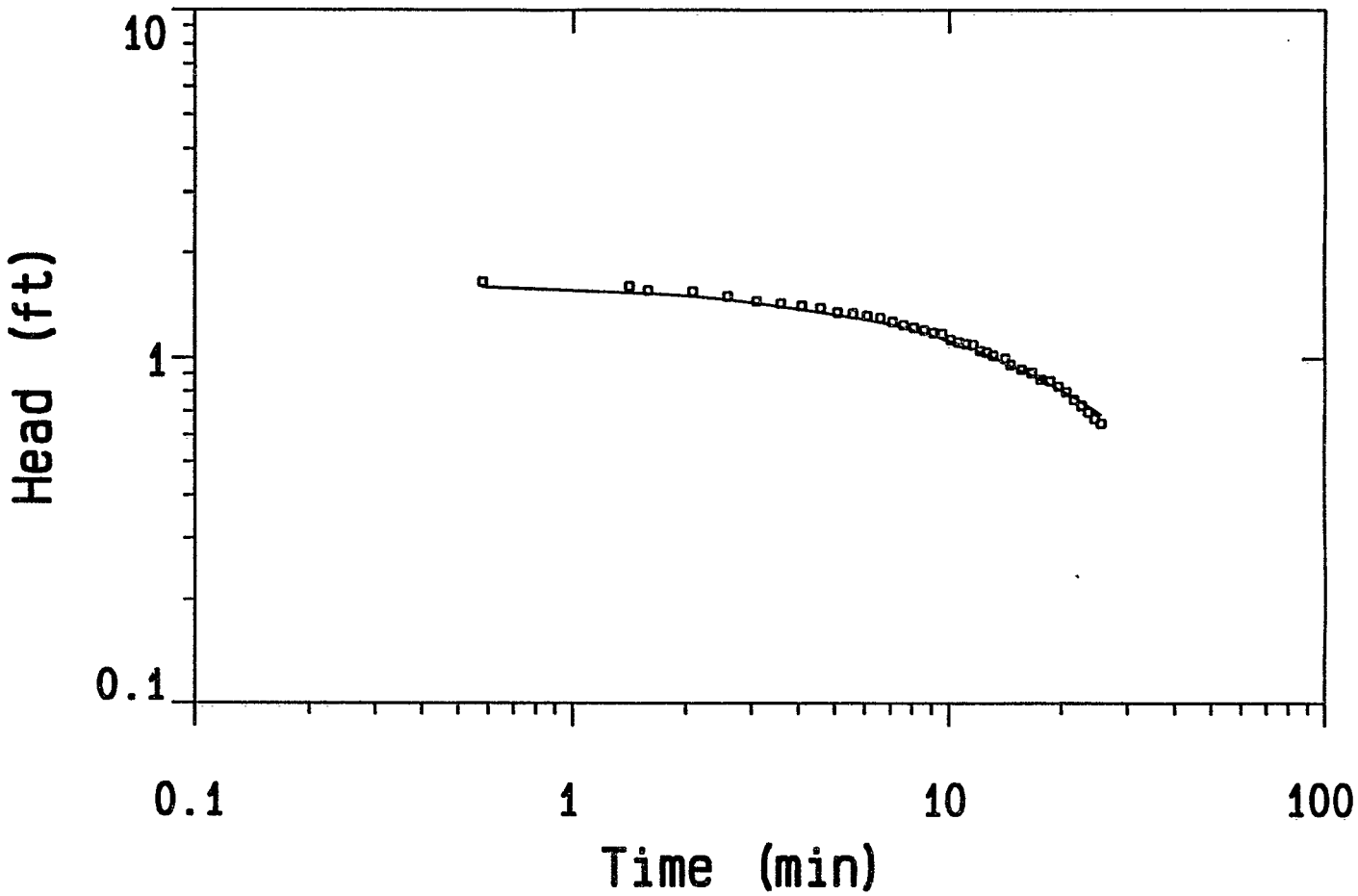
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 181



MODEL TYPE: COOPER et al. TRANSMISSIVITY: 1.093 sq. ft/day STORATIVITY: 2.680E-5 INITIAL HEAD: 1.650 ft Data Set: MW-5SB — Date: 4/26/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 30.86 base: 35.86 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 15.92 TD: 35.86	SLUG TEST ANALYSIS **Well: MW-5sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-5SB

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-5sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	35.86 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	15.920 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	30.860 ft	SCREEN BASE:	35.86 ft
INITIAL HEAD:	1.650 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 2.502 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0000268	FREE
TRANSMISSIVITY:	1.09363 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.580	1.65	1.59	3.15
2	1.41	1.60	1.53	4.12
3	1.58	1.56	1.52	2.08
4	2.08	1.55	1.49	3.28
5	2.58	1.50	1.46	2.33
6	3.08	1.45	1.43	1.29
7	3.58	1.43	1.39	2.11
8	4.08	1.41	1.37	2.70
9	4.58	1.39	1.34	3.08
10	5.08	1.35	1.32	1.87
11	5.58	1.34	1.30	2.71
12	6.08	1.32	1.28	2.82
13	6.58	1.30	1.26	2.93
14	7.08	1.27	1.24	2.30
15	7.58	1.24	1.21	1.63
16	8.08	1.22	1.19	1.73
17	8.58	1.20	1.17	1.82
18	9.08	1.18	1.15	1.89
19	9.58	1.17	1.13	2.78
20	10.08	1.13	1.11	1.09
21	10.58	1.11	1.09	1.06

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
E083

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	11.08	1.10	1.07	1.90
23	11.58	1.09	1.06	2.71
24	12.08	1.05	1.04	0.755
25	12.58	1.04	1.02	1.52
26	13.08	1.02	1.00	1.30
27	14.08	1.00	0.972	2.70
28	14.58	0.960	0.956	0.335
29	15.58	0.930	0.925	0.461
30	16.58	0.910	0.896	1.50
31	17.58	0.870	0.868	0.181
32	18.58	0.860	0.841	2.09
33	19.58	0.830	0.816	1.59
34	20.58	0.800	0.792	0.915
35	21.58	0.760	0.769	-1.26
36	22.58	0.730	0.747	-2.38
37	23.58	0.700	0.726	-3.71
38	24.58	0.670	0.705	-5.25
39	25.58	0.650	0.685	-5.40

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.21	
T	0.09	0.99

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ADMINISTRATIVE RECORD
LIN002 184
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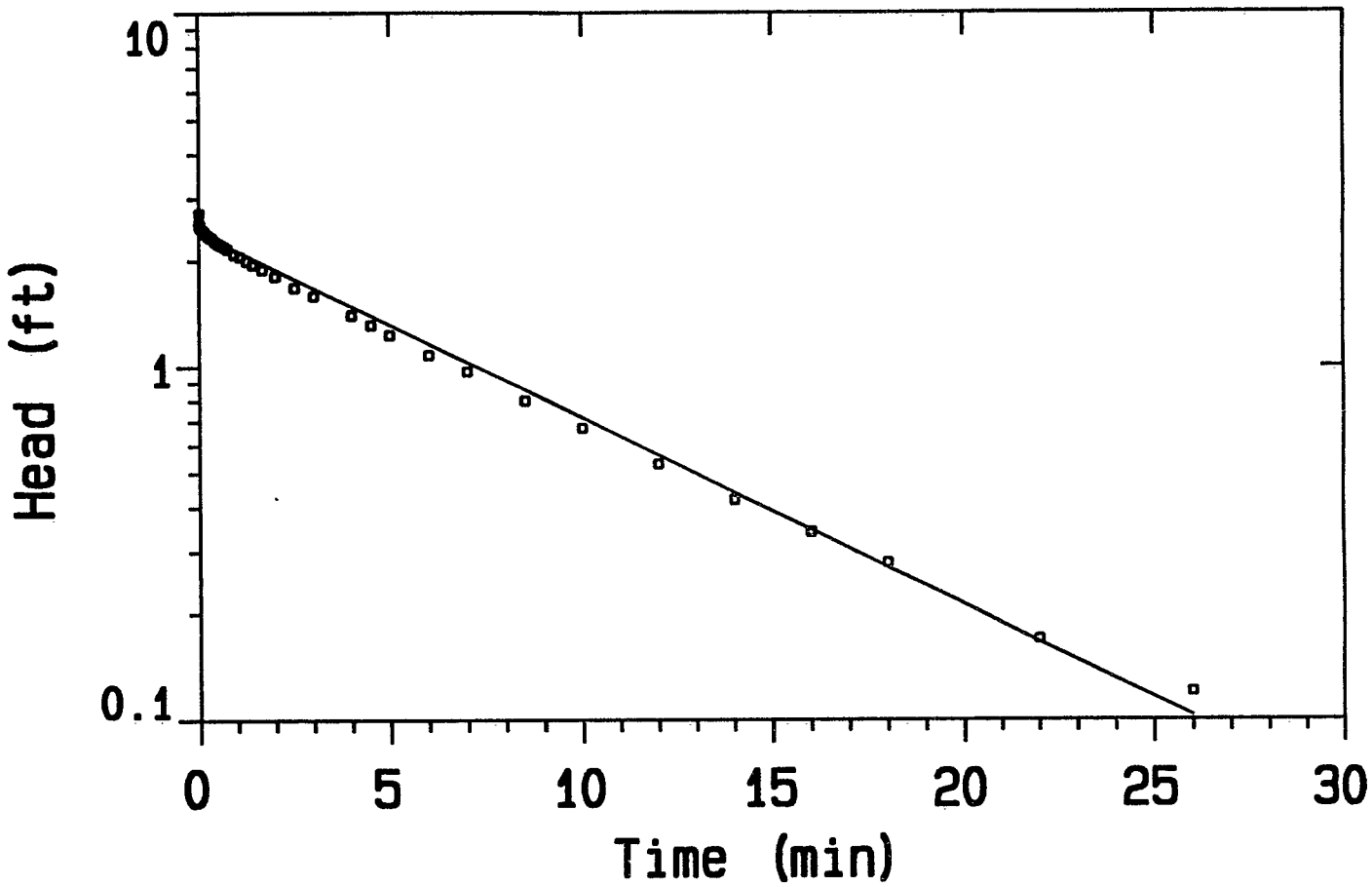

MODEL TYPE: BOUWER and RICE		for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .4155 ft/day		by: Fuss & O'Neill, Inc.	Well: MW-6t
TRANSMISSIVITY: 8.141 sq. ft/day		WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 2.730 ft		AQUIFER: TILL	WOODSTOCK, CONNECTICUT
		THICKNESS: 19.59	
		SCREEN: top: 14.99 base: 19.99	
		DIAMETER: casing: .1780 intake: .3340	
Data Set: MW-6T	Date: 4/26/90	DEPTH: Water Table: 2.410 TD: 19.99	

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LIN002 585

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-6T

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-6t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	19.99 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	2.410 ft
AQUIFER:	TILL	THICKNESS:	19.59 ft
INTAKE RADIUS:	0.167 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	14.990 ft	SCREEN BASE:	19.99 ft
INITIAL HEAD:	2.730 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 8.14072square ft/day

CONDUCTIVITY: 0.41555 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.73	2.40	11.86
2	0.00660	2.52	2.40	4.56
3	0.00990	2.55	2.40	5.72
4	0.0133	2.55	2.40	5.76
5	0.0166	2.52	2.40	4.67
6	0.0200	2.52	2.40	4.71
7	0.0233	2.51	2.40	4.37
8	0.0266	2.51	2.39	4.41
9	0.0300	2.49	2.39	3.68
10	0.0333	2.49	2.39	3.72
11	0.0500	2.47	2.39	3.14
12	0.0666	2.46	2.38	2.94
13	0.0833	2.44	2.38	2.34
14	0.100	2.43	2.37	2.14
15	0.116	2.43	2.37	2.33
16	0.133	2.41	2.36	1.72
17	0.150	2.39	2.36	1.10
18	0.183	2.38	2.35	1.09
19	0.216	2.36	2.34	0.655
20	0.250	2.35	2.33	0.636
21	0.300	2.33	2.32	0.389
22	0.333	2.32	2.31	0.363
23	0.416	2.27	2.28	-0.805

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 785

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	0.500	2.24	2.26	-1.12
25	0.583	2.21	2.24	-1.46
26	0.666	2.19	2.21	-1.36
27	0.750	2.16	2.19	-1.73
28	0.916	2.09	2.15	-3.04
29	1.08	2.05	2.11	-2.94
30	1.25	2.00	2.06	-3.40
31	1.41	1.95	2.02	-3.93
32	1.66	1.89	1.96	-4.03
33	2.00	1.81	1.88	-4.32
34	2.50	1.68	1.77	-5.77
35	3.00	1.59	1.67	-5.18
36	4.00	1.40	1.48	-5.80
37	4.50	1.31	1.39	-6.41
38	5.00	1.23	1.31	-6.66
39	6.00	1.08	1.16	-7.59
40	7.00	0.970	1.02	-6.10
41	8.50	0.800	0.857	-7.23
42	10.00	0.670	0.715	-6.73
43	12.00	0.530	0.560	-5.84
44	14.00	0.420	0.440	-4.78
45	16.00	0.340	0.345	-1.54
46	18.00	0.280	0.270	3.27
47	22.00	0.170	0.166	1.95
48	26.00	0.120	0.102	14.52

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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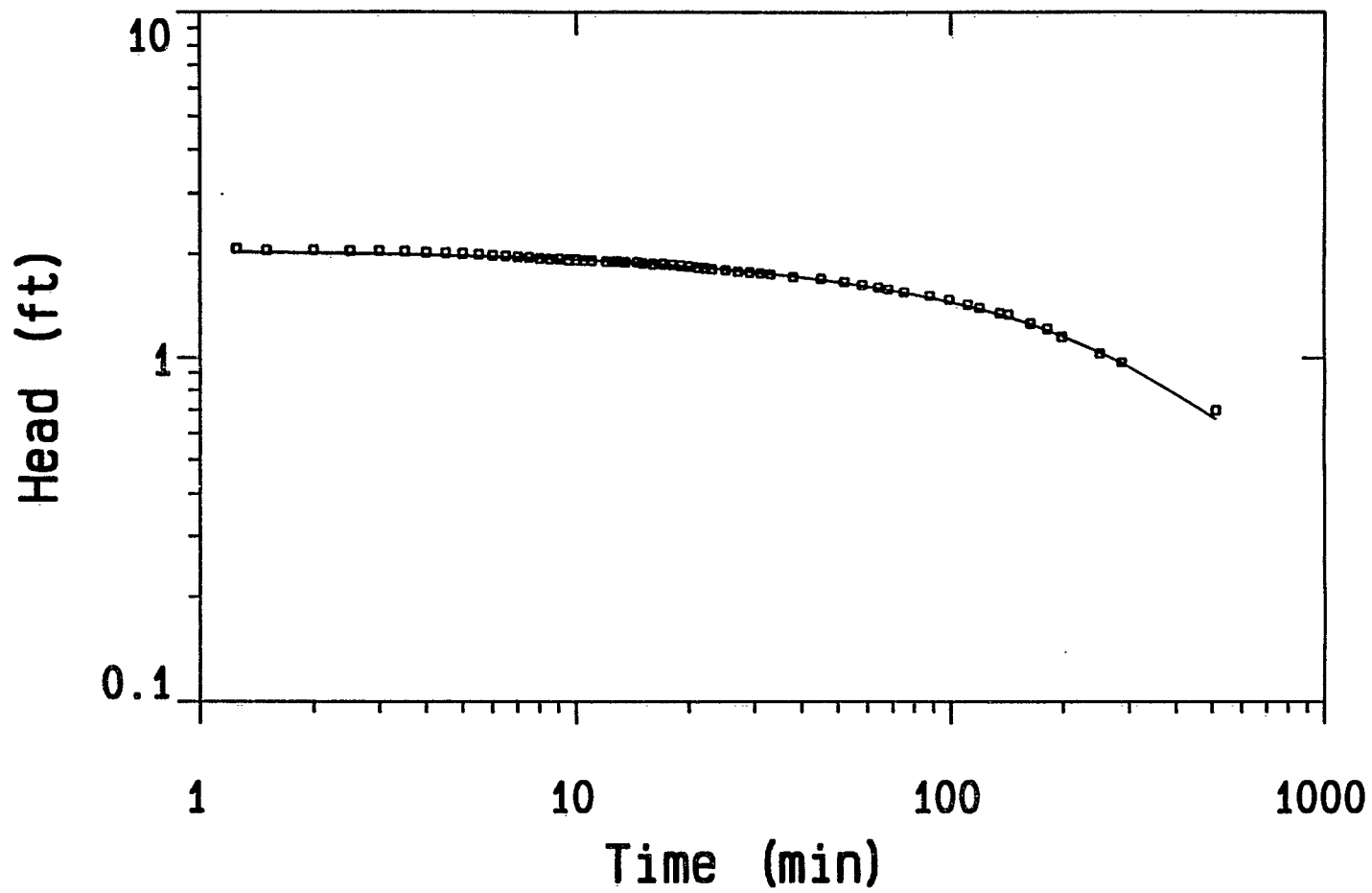
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 781



MODEL TYPE: COOPER et al. TRANSMISSIVITY: .03439 sq. ft/day STORATIVITY: .008573 INITIAL HEAD: 2.070 ft Data Set: MW-6SB — Date: 4/26/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 27.52 base: 37.52 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 4.970 TD: 37.52	SLUG TEST ANALYSIS **Well: MW-6sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 188

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-6SB

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-6sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	37.52 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	4.970 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	27.520 ft	SCREEN BASE:	37.52 ft
INITIAL HEAD:	2.070 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 1.200 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0085731	FREE
TRANSMISSIVITY:	0.03439 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.25	2.07	2.02	2.10
2	1.50	2.05	2.02	1.38
3	2.00	2.05	2.01	1.80
4	2.50	2.04	2.00	1.71
5	3.00	2.04	1.99	2.07
6	3.50	2.03	1.99	1.93
7	4.00	2.02	1.98	1.77
8	4.50	2.01	1.97	1.59
9	5.00	2.00	1.97	1.40
10	5.50	1.99	1.96	1.20
11	6.00	1.98	1.96	0.985
12	6.50	1.97	1.95	0.761
13	7.00	1.96	1.94	0.526
14	7.50	1.95	1.94	0.282
15	8.00	1.94	1.93	0.0302
16	8.50	1.93	1.93	-0.230
17	9.00	1.93	1.92	0.0210
18	9.50	1.92	1.92	-0.251
19	10.00	1.92	1.92	-0.00853
20	10.50	1.91	1.91	-0.292
21	11.00	1.91	1.91	-0.0563

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 689

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	12.00	1.90	1.90	-0.120
23	12.50	1.90	1.89	0.106
24	13.00	1.90	1.89	0.329
25	13.50	1.89	1.88	0.0244
26	14.50	1.89	1.88	0.460
27	15.00	1.88	1.87	0.145
28	16.00	1.87	1.86	0.0366
29	17.00	1.87	1.86	0.452
30	18.00	1.86	1.85	0.326
31	19.00	1.85	1.84	0.190
32	20.00	1.84	1.83	0.0459
33	21.00	1.83	1.83	-0.107
34	22.00	1.82	1.82	-0.268
35	23.00	1.81	1.81	-0.437
36	25.00	1.80	1.80	-0.241
37	27.00	1.78	1.79	-0.627
38	29.00	1.77	1.77	-0.471
39	31.00	1.76	1.76	-0.333
40	33.00	1.75	1.75	-0.211
41	38.00	1.72	1.72	-0.256
42	45.00	1.70	1.68	0.828
43	52.00	1.66	1.64	0.614
44	58.00	1.63	1.62	0.587
45	64.00	1.60	1.59	0.479
46	68.00	1.58	1.57	0.363
47	75.00	1.55	1.54	0.400
48	88.00	1.51	1.49	1.28
49	99.00	1.47	1.44	1.46
50	111.0	1.42	1.40	1.03
51	119.0	1.39	1.37	0.866
52	135.0	1.34	1.32	1.03
53	142.0	1.33	1.30	1.90
54	163.0	1.25	1.24	0.505
55	181.0	1.21	1.19	1.20
56	198.0	1.15	1.15	-0.239
57	250.0	1.03	1.03	-0.646
58	286.0	0.970	0.967	0.297
59	511.0	0.700	0.659	5.73

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PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.88	
T	0.03	0.99

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 179

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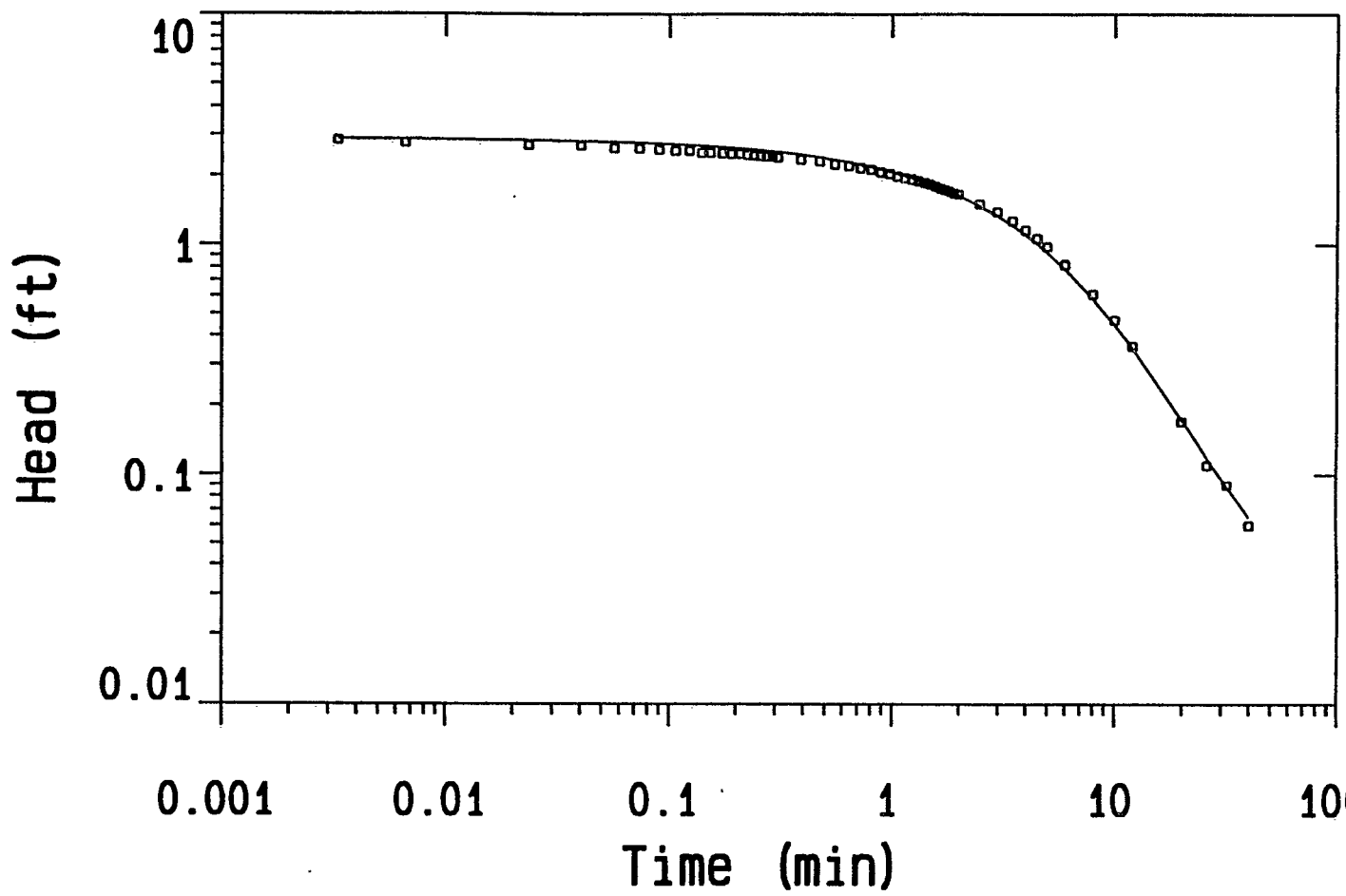

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 34.11 sq. ft/day STORATIVITY: .005668 INITIAL HEAD: 2.900 ft	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: DEEP BEDROCK THICKNESS: 266.0 SCREEN: top: 35.00 base: 301.0 DIAMETER: casing: .5000 intake: .5000 DEPTH: Water Table: 24.47 TD: 301.0	SLUG TEST ANALYSIS **Well: MW-6db** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT
Data Set: MW-6DB1 / Date: 7/11/91		

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 192

DATA SET: MW-6DB1

CLIENT:	RI/FS	DATE:	7/11/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-6db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	301.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	24.470 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	266.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	35.000 ft	SCREEN BASE:	301.00 ft
INITIAL HEAD:	2.900 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 4.477 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0056680	FREE
TRANSMISSIVITY:	34.11271 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.85	2.87	-1.01
2	0.00660	2.77	2.86	-3.56
3	0.0233	2.69	2.83	-5.30
4	0.0399	2.68	2.80	-4.64
5	0.0566	2.61	2.78	-6.52
6	0.0733	2.60	2.75	-6.06
7	0.0899	2.58	2.73	-6.08
8	0.106	2.55	2.71	-6.54
9	0.123	2.55	2.69	-5.79
10	0.139	2.50	2.67	-7.17
11	0.153	2.50	2.66	-6.61
12	0.173	2.49	2.64	-6.21
13	0.189	2.47	2.62	-6.41
14	0.206	2.47	2.61	-5.75
15	0.223	2.45	2.59	-5.97
16	0.239	2.44	2.58	-5.78
17	0.256	2.42	2.56	-6.03
18	0.273	2.41	2.55	-5.86
19	0.289	2.41	2.53	-5.26
20	0.306	2.39	2.52	-5.55
21	0.390	2.34	2.45	-4.91

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LINEMASTER SWITCH ADMINISTRATIVE RECORD
LIN002 193

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.473	2.30	2.39	-4.01
23	0.553	2.23	2.33	-4.73
24	0.640	2.20	2.27	-3.53
25	0.723	2.15	2.22	-3.49
26	0.806	2.12	2.17	-2.59
27	0.890	2.07	2.12	-2.75
28	0.973	2.04	2.08	-2.00
29	1.05	1.99	2.03	-2.35
30	1.14	1.96	1.99	-1.75
31	1.22	1.93	1.95	-1.21
32	1.30	1.90	1.91	-0.736
33	1.38	1.87	1.87	-0.314
34	1.47	1.84	1.83	0.0565
35	1.55	1.80	1.80	-0.181
36	1.64	1.77	1.76	0.0743
37	1.72	1.74	1.73	0.274
38	1.80	1.71	1.70	0.422
39	1.89	1.68	1.67	0.520
40	1.97	1.66	1.64	1.16
41	2.47	1.50	1.47	1.73
42	2.97	1.38	1.33	3.50
43	3.47	1.26	1.20	4.06
44	3.97	1.15	1.10	4.22
45	4.47	1.06	1.00	4.95
46	4.97	0.980	0.924	5.64
47	5.97	0.820	0.785	4.23
48	7.97	0.610	0.584	4.21
49	9.97	0.470	0.448	4.47
50	11.97	0.360	0.355	1.26
51	19.97	0.170	0.173	-1.84
52	25.97	0.110	0.118	-7.28
53	31.97	0.0900	0.0883	1.86
54	39.97	0.0600	0.0652	-8.68

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	1.00	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 194

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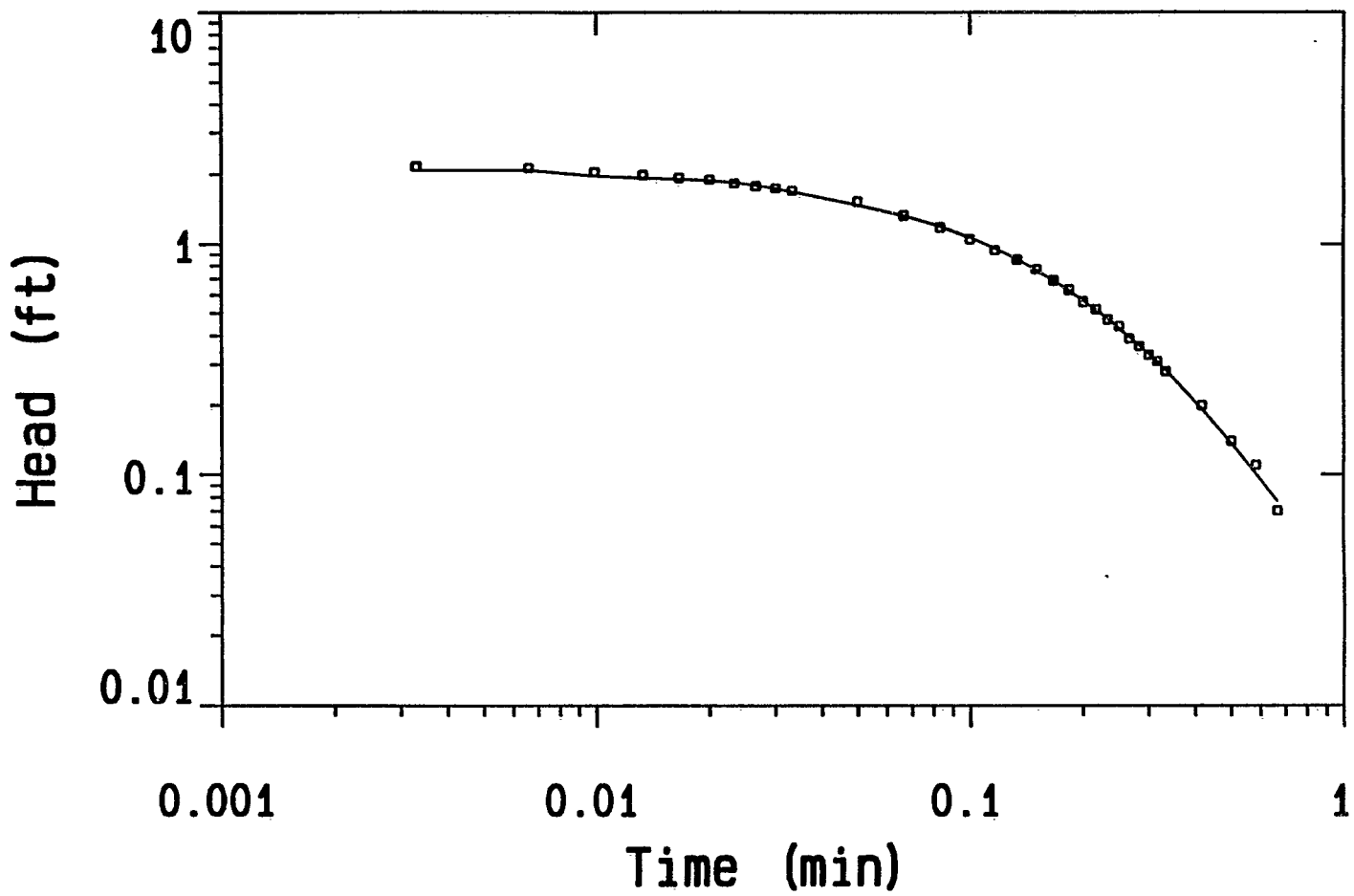

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 278.3 sq. ft/day STORATIVITY: 1.331E-6 INITIAL HEAD: 2.170 ft Data Set: MW-7SB — Date: 4/20/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 23.03 base: 28.03 DIAMETER: casing: .1780 intake: .3340 DEPTH: Water Table: 10.46 TD: 28.03	SLUG TEST ANALYSIS **Well: MW-7sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 095

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-7SB

CLIENT:	RI/FS	DATE:	4/20/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-7sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	28.03 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	10.460 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.167 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	23.030 ft	SCREEN BASE:	28.03 ft
INITIAL HEAD:	2.170 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 2.965 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0000013 FREE

TRANSMISSIVITY: 278.29254 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.17	2.08	4.02
2	0.00660	2.13	2.08	2.25
3	0.00990	2.05	1.95	4.47
4	0.0133	1.98	1.91	3.24
5	0.0166	1.92	1.89	1.38
6	0.0200	1.89	1.86	1.26
7	0.0233	1.81	1.82	-0.882
8	0.0266	1.76	1.77	-0.775
9	0.0300	1.72	1.71	0.348
10	0.0333	1.68	1.65	1.34
11	0.0500	1.51	1.45	3.59
12	0.0666	1.32	1.31	0.236
13	0.0833	1.18	1.19	-1.09
14	0.100	1.05	1.07	-2.10
15	0.116	0.940	0.957	-1.84
16	0.133	0.850	0.853	-0.358
17	0.150	0.770	0.763	0.824
18	0.166	0.690	0.688	0.269
19	0.183	0.630	0.623	1.07
20	0.200	0.560	0.567	-1.25
21	0.216	0.520	0.517	0.488

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 796

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.233	0.470	0.472	-0.540
23	0.250	0.440	0.432	1.78
24	0.266	0.390	0.396	-1.54
25	0.283	0.360	0.363	-0.940
26	0.300	0.330	0.334	-1.22
27	0.316	0.310	0.307	0.746
28	0.333	0.280	0.283	-1.29
29	0.416	0.200	0.192	3.78
30	0.500	0.140	0.136	2.24
31	0.583	0.110	0.100	8.33
32	0.666	0.0700	0.0765	-9.34

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.90	
T	0.01	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 097

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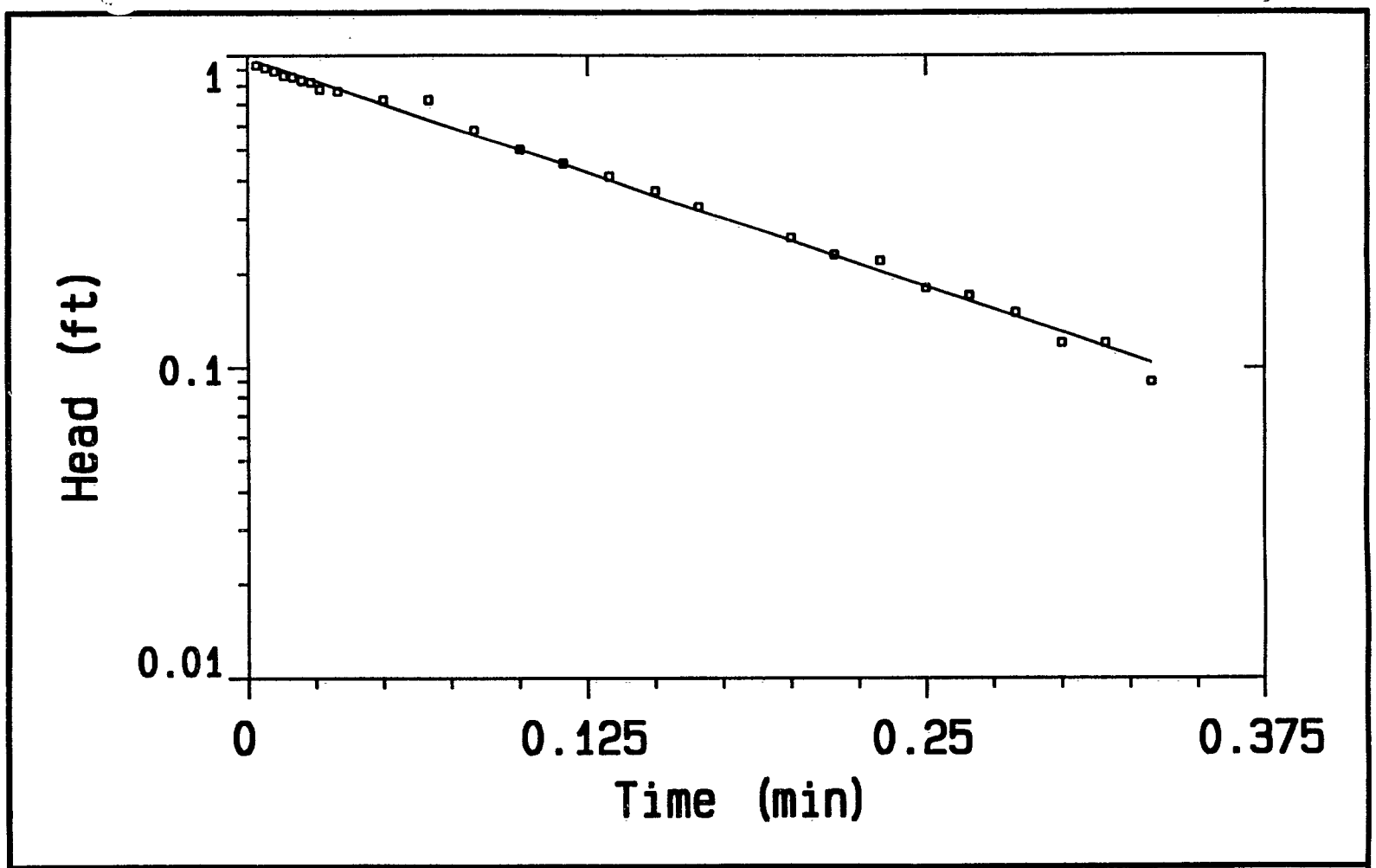

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: 8.193 ft/day TRANSMISSIVITY: 59.15 sq. ft/day INITIAL HEAD: .9100 ft Data Set: MW-8T1 — Date: 6/5/91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 7.220 SCREEN: top: 10.30 base: 20.30 DIAMETER: casing: .1780 intake: .6460 DEPTH: Water Table: 13.78 TD: 30.30	SLUG TEST ANALYSIS **Well: MW-8t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 198

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-8T1

CLIENT:	RI/FS	DATE:	6/5/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-8t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	30.30 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	13.780 ft
AQUIFER:	TILL	THICKNESS:	7.22 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	10.300 ft	SCREEN BASE:	20.30 ft
INITIAL HEAD:	0.910 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 59.15144square ft/day

CONDUCTIVITY: 8.19272 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	0.930	0.957	-2.93
2	0.00660	0.910	0.936	-2.88
3	0.00990	0.890	0.915	-2.89
4	0.0133	0.860	0.895	-4.07
5	0.0166	0.850	0.875	-2.98
6	0.0200	0.830	0.855	-3.07
7	0.0233	0.820	0.836	-2.04
8	0.0266	0.780	0.818	-4.91
9	0.0333	0.770	0.782	-1.59
10	0.0500	0.720	0.699	2.90
11	0.0666	0.720	0.625	13.16
12	0.0833	0.580	0.558	3.66
13	0.100	0.500	0.499	0.138
14	0.116	0.450	0.448	0.371
15	0.133	0.410	0.399	2.47
16	0.150	0.370	0.356	3.61
17	0.166	0.330	0.320	2.96
18	0.200	0.260	0.254	2.03
19	0.216	0.230	0.228	0.567
20	0.233	0.220	0.203	7.28
21	0.250	0.180		
22	0.266	0.170		
23	0.283	0.150		

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 169

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	0.300	0.120		
25	0.316	0.120		
26	0.333	0.0900		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
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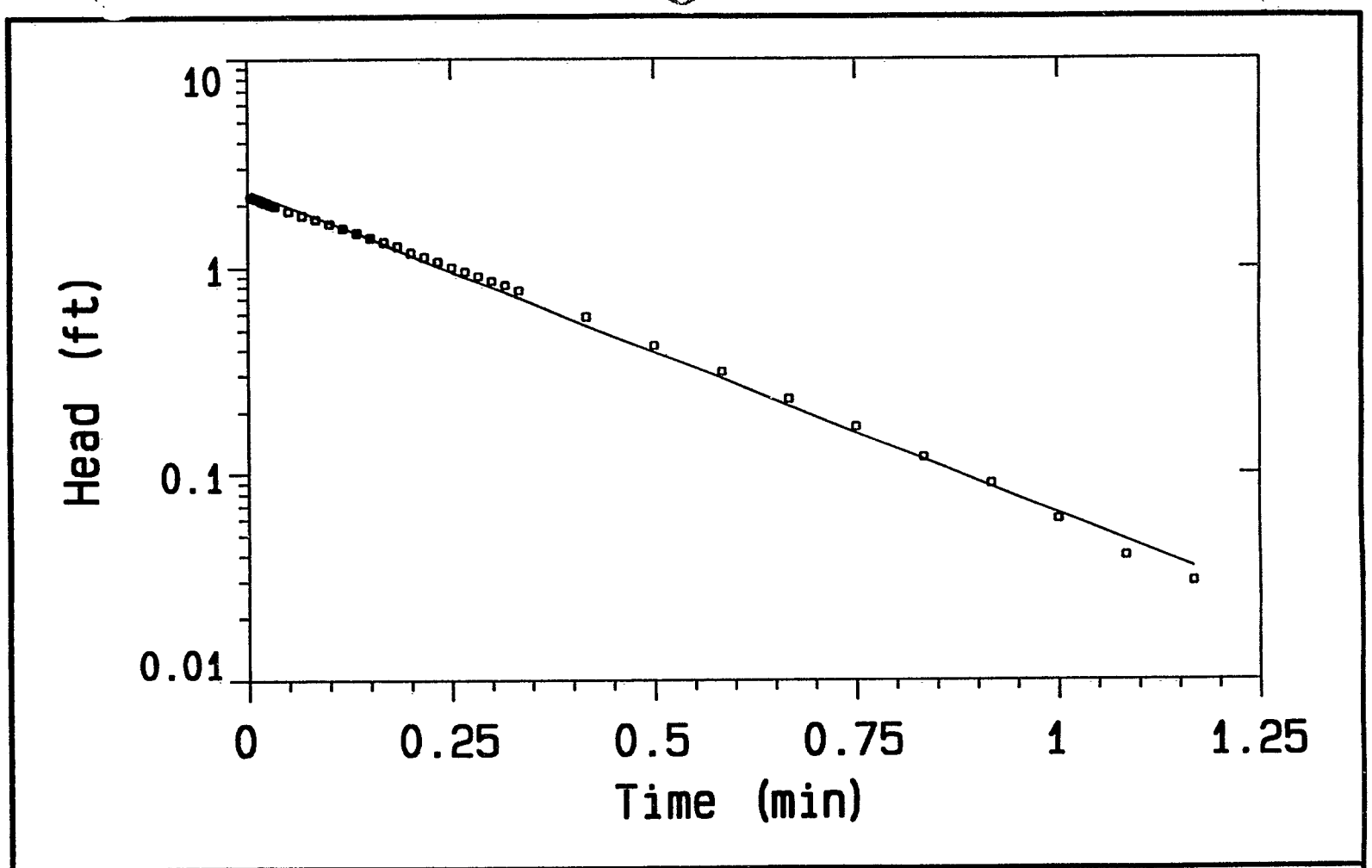

MODEL TYPE: BOUWER and RICE	for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: 12.80 ft/day	by: Fuss & O'Neill, Inc.	Well: MW-8sb
TRANSMISSIVITY: 320.1 sq. ft/day	WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 24.20 base: 29.20 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 7.590 TD: 29.20	LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT
INITIAL HEAD: 2.190 ft		
Data Set: MW-8SB / Date: 4/26/90		

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LIN002 801

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-8SB

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-8sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	29.20 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	7.590 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	24.200 ft	SCREEN BASE:	29.20 ft
INITIAL HEAD:	2.190 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 320.13229square ft/day

CONDUCTIVITY: 12.80529 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.19	2.32	-6.16
2	0.00660	2.16	2.29	-6.36
3	0.00990	2.14	2.27	-6.09
4	0.0133	2.13	2.24	-5.29
5	0.0166	2.08	2.21	-6.54
6	0.0200	2.06	2.18	-6.27
7	0.0233	2.05	2.16	-5.53
8	0.0266	2.02	2.13	-5.83
9	0.0300	2.00	2.11	-5.58
10	0.0333	1.98	2.08	-5.39
11	0.0500	1.87	1.96	-5.07
12	0.0666	1.78	1.85	-3.98
13	0.0833	1.70	1.74	-2.51
14	0.100	1.62	1.64	-1.30
15	0.116	1.54	1.54	-0.377
16	0.133	1.46	1.45	0.304
17	0.150	1.38	1.37	0.683
18	0.166	1.32	1.29	2.19
19	0.183	1.26	1.21	3.52
20	0.200	1.18	1.14	2.99
21	0.216	1.13	1.07	4.58
22	0.233	1.07	1.01	5.11
23	0.250	1.01	0.955	5.34

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 2 0 8

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	0.266	0.960	0.900	6.20
25	0.283	0.910	0.847	6.82
26	0.300	0.860	0.798	7.16
27	0.316	0.820	0.752	8.28
28	0.333	0.770	0.708	8.03
29	0.416	0.580	0.524	9.59
30	0.500	0.420	0.388	7.51
31	0.583	0.310	0.287	7.18
32	0.666	0.230	0.213	7.36
33	0.750	0.170	0.157	7.16
34	0.833	0.120	0.116	2.57
35	0.916	0.0900	0.0865	3.81
36	1.00	0.0600	0.0641	-6.87
37	1.08	0.0400	0.0475	-18.75
38	1.16	0.0300	0.0351	-17.24

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 803

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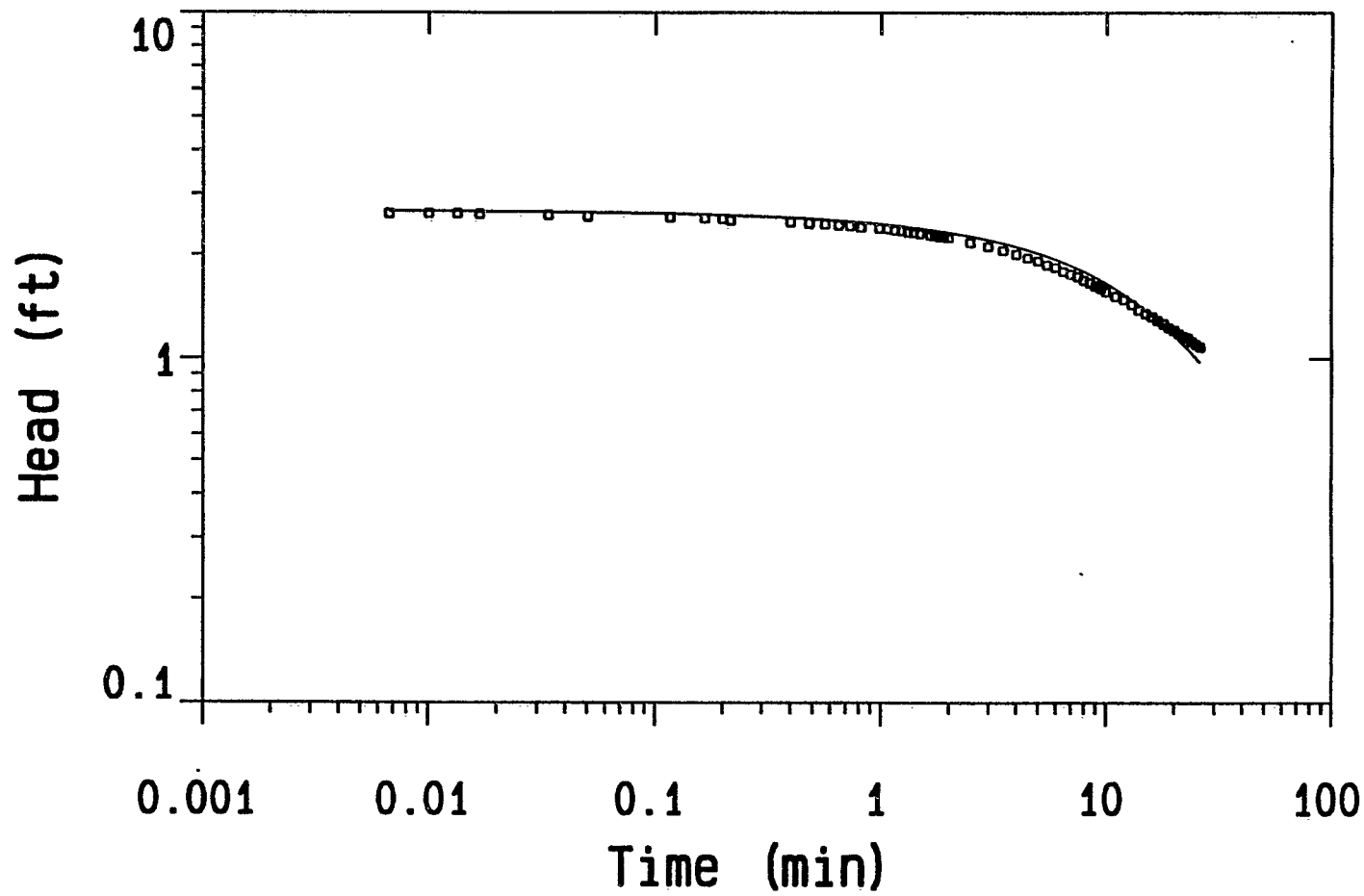

MODEL TYPE: COOPER et al.	for: RI/FS	SLUG TEST ANALYSIS
TRANSMISSIVITY: 5.646 sq. ft/day	by: Fuss & O'Neill, Inc.	Well: MW-8db
STORATIVITY: .005000	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 2.680 ft	AQUIFER: DEEP BEDROCK	WOODSTOCK, CONNECTICUT
Data Set: MW-8DB1 / Date: 6/28/91	THICKNESS: 172.0	
	SCREEN: top: 30.00 base: 202.0	
	DIAMETER: casing: .5000 intake: .5000	
	DEPTH: Water Table: 14.61 TD: 202.0	

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LIN002 8 0 4

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-8DB1

CLIENT:	RI/FS	DATE:	6/28/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-8db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	202.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	14.610 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	172.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	30.000 ft	SCREEN BASE:	202.00 ft
INITIAL HEAD:	2.680 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 4.464 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0050000	FIXED
TRANSMISSIVITY:	5.64627 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00670	2.63	2.67	-1.52
2	0.0100	2.63	2.66	-1.44
3	0.0134	2.63	2.66	-1.37
4	0.0167	2.62	2.66	-1.68
5	0.0334	2.60	2.65	-2.13
6	0.0500	2.58	2.64	-2.68
7	0.116	2.57	2.62	-2.22
8	0.166	2.55	2.61	-2.50
9	0.200	2.54	2.60	-2.59
10	0.216	2.52	2.60	-3.24
11	0.400	2.49	2.56	-2.88
12	0.483	2.47	2.54	-3.06
13	0.566	2.46	2.53	-2.86
14	0.650	2.44	2.51	-3.11
15	0.733	2.43	2.50	-2.96
16	0.816	2.41	2.48	-3.24
17	0.983	2.39	2.46	-3.01
18	1.06	2.38	2.44	-2.91
19	1.15	2.36	2.43	-3.26
20	1.23	2.35	2.42	-3.18
21	1.31	2.33	2.41	-3.55

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 0 5

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	1.40	2.32	2.40	-3.49
23	1.48	2.30	2.38	-3.89
24	1.65	2.28	2.36	-3.82
25	1.73	2.27	2.35	-3.80
26	1.81	2.25	2.34	-4.25
27	1.90	2.25	2.33	-3.78
28	1.98	2.24	2.32	-3.78
29	2.48	2.17	2.26	-4.38
30	2.98	2.11	2.20	-4.72
31	3.48	2.05	2.15	-5.23
32	3.98	2.00	2.10	-5.38
33	4.48	1.95	2.06	-5.65
34	4.98	1.91	2.01	-5.50
35	5.48	1.86	1.97	-6.00
36	5.98	1.83	1.93	-5.47
37	6.48	1.78	1.89	-6.20
38	6.98	1.75	1.85	-5.82
39	7.48	1.72	1.81	-5.51
40	7.98	1.68	1.77	-5.89
41	8.48	1.65	1.74	-5.72
42	8.98	1.62	1.71	-5.62
43	9.48	1.59	1.67	-5.58
44	9.98	1.56	1.64	-5.60
45	10.98	1.51	1.58	-5.13
46	11.98	1.48	1.53	-3.44
47	12.98	1.43	1.47	-3.31
48	13.98	1.38	1.42	-3.38
49	14.98	1.35	1.37	-2.12
50	15.98	1.32	1.33	-0.978
51	16.98	1.29	1.28	0.0509
52	17.98	1.26	1.24	0.973
53	18.98	1.23	1.20	1.79
54	19.98	1.21	1.17	3.30
55	20.98	1.18	1.13	3.91
56	21.98	1.16	1.09	5.24
57	22.98	1.15	1.06	7.28
58	23.98	1.12	1.03	7.61
59	24.98	1.10	1.00	8.66
60	25.98	1.08	0.975	9.63

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S *	0.00	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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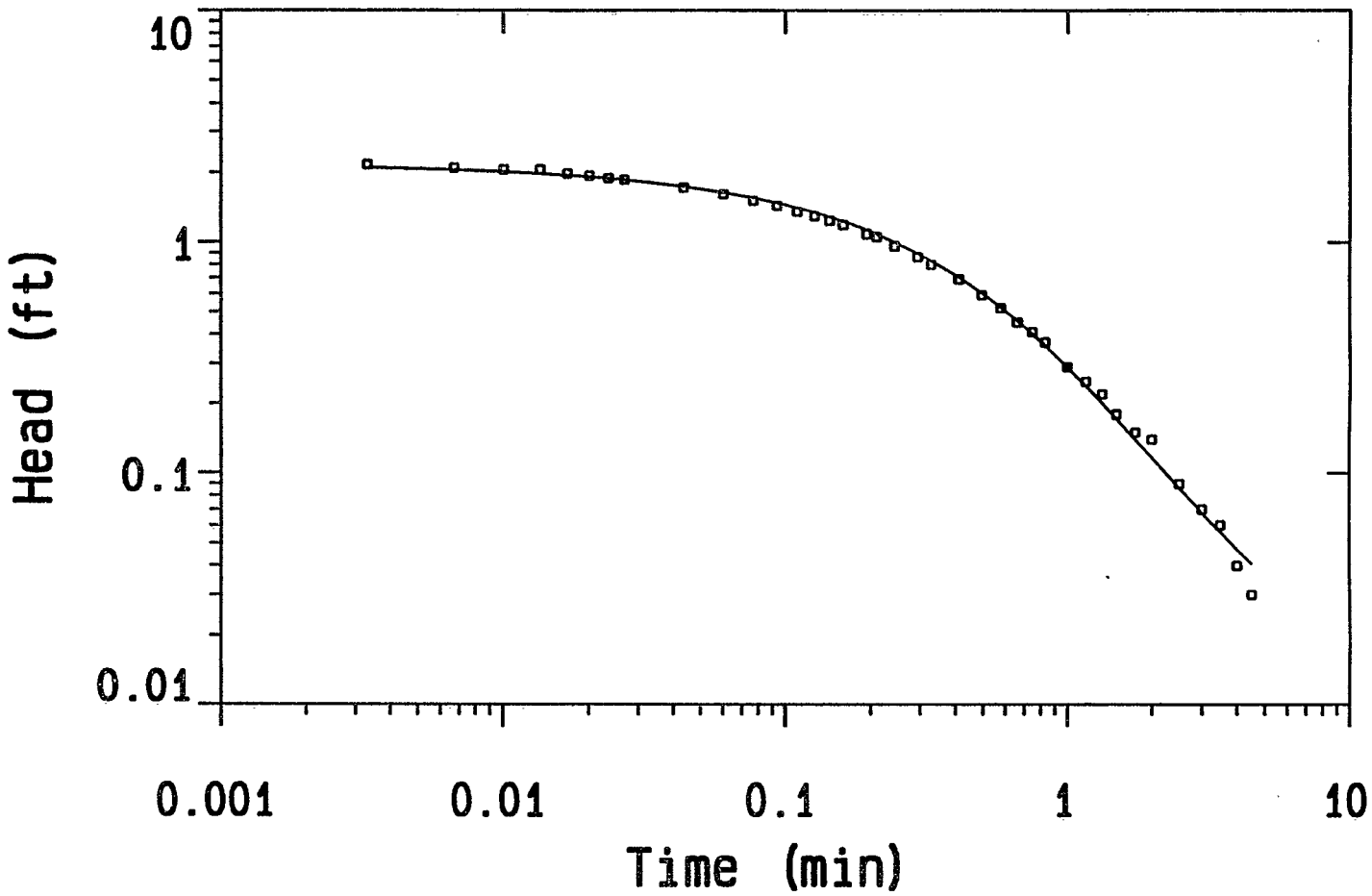

MODEL TYPE: COOPER et al.	for: RI/FS	SLUG TEST ANALYSIS
TRANSMISSIVITY: 42.76 sq. ft/day	by: Fuss & O'Neill, Inc.	Well: MW-9sb
STORATIVITY: .004530	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 2.190 ft	AQUIFER: SHALLOW BEDROCK	WOODSTOCK, CONNECTICUT
Data Set: MW-9SB / Date: 4/26/90	THICKNESS: 25.00	
	SCREEN: top: 10.29 base: 15.29	
	DIAMETER: casing: .1780 intake: .3340	
	DEPTH: Water Table: 5.170 TD: 15.29	

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LIN002 808

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-9SB

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-9sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	15.29 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	5.170 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.167 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	10.290 ft	SCREEN BASE:	15.29 ft
INITIAL HEAD:	2.190 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 7.457 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0045299 FREE

TRANSMISSIVITY: 42.76531 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.16	2.09	2.81
2	0.00670	2.09	2.05	1.89
3	0.0100	2.06	2.01	2.38
4	0.0134	2.06	1.97	4.13
5	0.0167	1.97	1.94	1.37
6	0.0200	1.94	1.91	1.38
7	0.0234	1.89	1.88	0.299
8	0.0267	1.86	1.85	0.117
9	0.0434	1.72	1.73	-1.13
10	0.0600	1.61	1.63	-1.85
11	0.0767	1.51	1.55	-2.79
12	0.0934	1.43	1.47	-3.05
13	0.110	1.35	1.40	-3.91
14	0.126	1.29	1.33	-3.71
15	0.143	1.23	1.27	-3.90
16	0.160	1.18	1.22	-3.63
17	0.193	1.08	1.12	-4.03
18	0.210	1.05	1.07	-2.76
19	0.243	0.960	0.997	-3.89
20	0.293	0.860	0.892	-3.75
21	0.326	0.800	0.831	-3.94

* Fuss & O'Neill, Inc. *

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 609

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.410	0.690	0.703	-2.01
23	0.493	0.590	0.603	-2.36
24	0.576	0.520	0.523	-0.703
25	0.660	0.450	0.458	-1.77
26	0.743	0.410	0.404	1.37
27	0.826	0.370	0.359	2.74
28	0.993	0.290	0.289	0.0765
29	1.16	0.250	0.239	4.38
30	1.32	0.220	0.201	8.38
31	1.49	0.180	0.172	4.32
32	1.74	0.150	0.139	6.93
33	1.99	0.140	0.116	16.55
34	2.49	0.0900	0.0863	4.00
35	2.99	0.0700	0.0678	3.07
36	3.49	0.0600	0.0558	6.87
37	3.99	0.0400	0.0470	-17.71
38	4.49	0.0300	0.0406	-35.46

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	1.00	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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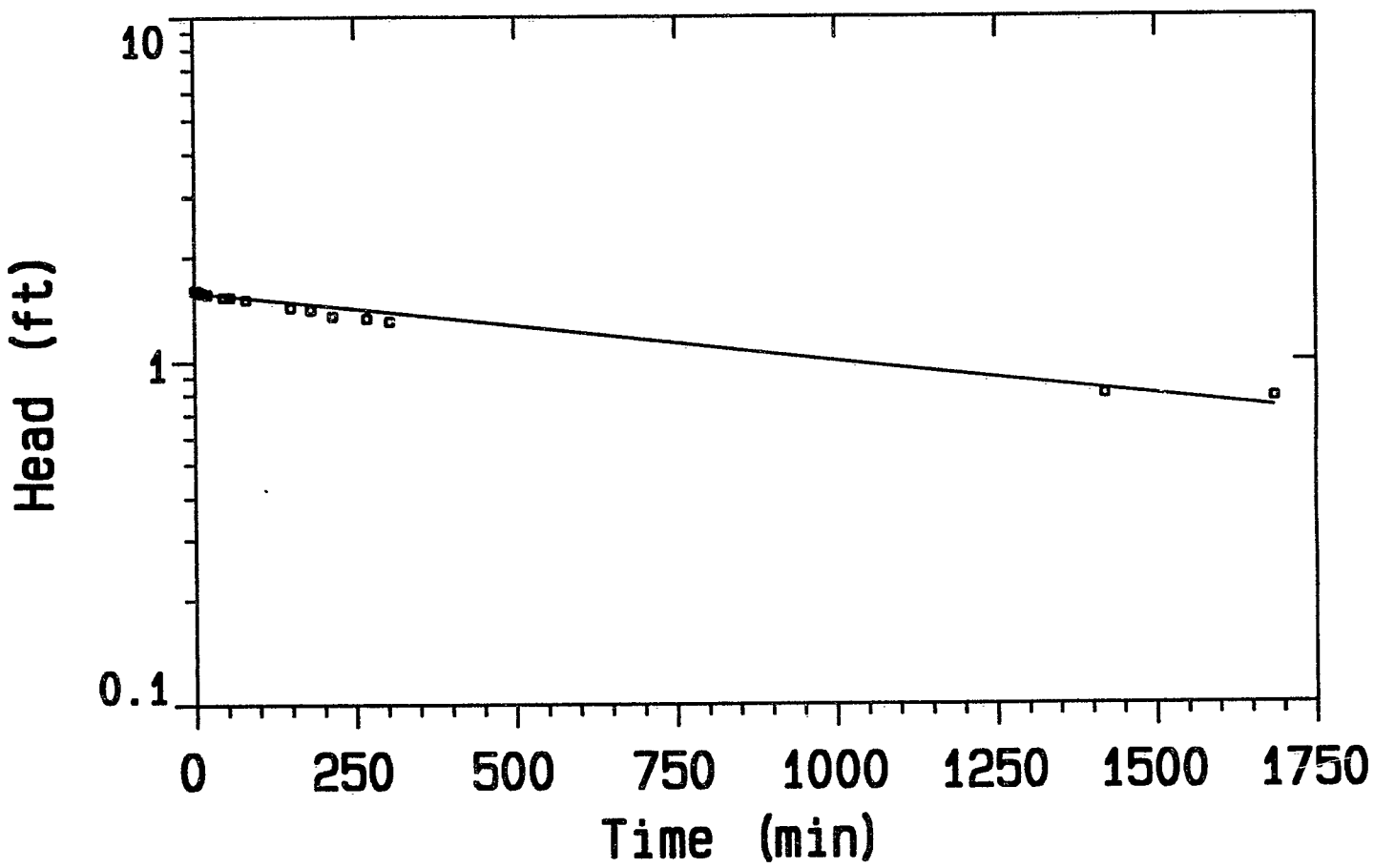

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: .0008362 ft/day TRANSMISSIVITY: .02258 sq. ft/day INITIAL HEAD: 1.620 ft Data Set: MW-10T2 — Date: 6/25/91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 27.01 SCREEN: top: 33.79 base: 43.79 DIAMETER: casing: .1780 intake: .6460 DEPTH: Water Table: 16.99 TD: 43.79	SLUG TEST ANALYSIS **Well: MW-10t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-10T2

CLIENT:	RI/FS	DATE:	6/25/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-10t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	43.79 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	16.990 ft
AQUIFER:	TILL	THICKNESS:	27.01 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	33.790 ft	SCREEN BASE:	43.79 ft
INITIAL HEAD:	1.620 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.02259square ft/day

CONDUCTIVITY: 0.00084 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.250	1.62	1.58	1.88
2	0.500	1.62	1.58	1.90
3	0.750	1.61	1.58	1.30
4	1.00	1.61	1.58	1.31
5	1.50	1.61	1.58	1.33
6	2.00	1.61	1.58	1.35
7	2.50	1.61	1.58	1.38
8	3.00	1.61	1.58	1.40
9	3.50	1.61	1.58	1.42
10	4.00	1.61	1.58	1.44
11	4.50	1.60	1.58	0.856
12	5.00	1.60	1.58	0.879
13	5.50	1.60	1.58	0.902
14	6.00	1.60	1.58	0.925
15	6.50	1.60	1.58	0.948
16	7.00	1.60	1.58	0.970
17	7.50	1.60	1.58	0.993
18	8.00	1.60	1.58	1.01
19	8.50	1.59	1.58	0.416
20	9.00	1.59	1.58	0.439
21	9.50	1.59	1.58	0.462
22	10.00	1.59	1.58	0.485
23	10.50	1.59	1.58	0.508

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 218

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	11.00	1.59	1.58	0.531
25	11.50	1.58	1.58	-0.0752
26	12.00	1.58	1.58	-0.0522
27	12.50	1.58	1.58	-0.0292
28	13.00	1.58	1.58	-0.00620
29	13.50	1.58	1.57	0.0168
30	14.00	1.58	1.57	0.0398
31	14.50	1.58	1.57	0.0628
32	15.00	1.58	1.57	0.0858
33	15.50	1.58	1.57	0.108
34	16.00	1.58	1.57	0.131
35	16.50	1.58	1.57	0.154
36	17.00	1.58	1.57	0.177
37	17.50	1.58	1.57	0.200
38	18.00	1.58	1.57	0.223
39	18.50	1.58	1.57	0.246
40	19.00	1.57	1.57	-0.365
41	19.50	1.57	1.57	-0.342
42	20.00	1.57	1.57	-0.319
43	45.00	1.54	1.55	-1.10
44	55.00	1.54	1.54	-0.639
45	80.00	1.51	1.53	-1.46
46	150.0	1.43	1.48	-3.74
47	181.0	1.41	1.46	-3.72
48	215.0	1.35	1.43	-6.65
49	268.0	1.33	1.40	-5.64
50	304.0	1.30	1.38	-6.30
51	1420.0	0.800	0.826	-3.35
52	1685.0	0.780	0.731	6.16

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

* Fuss & O'Neill, Inc. *

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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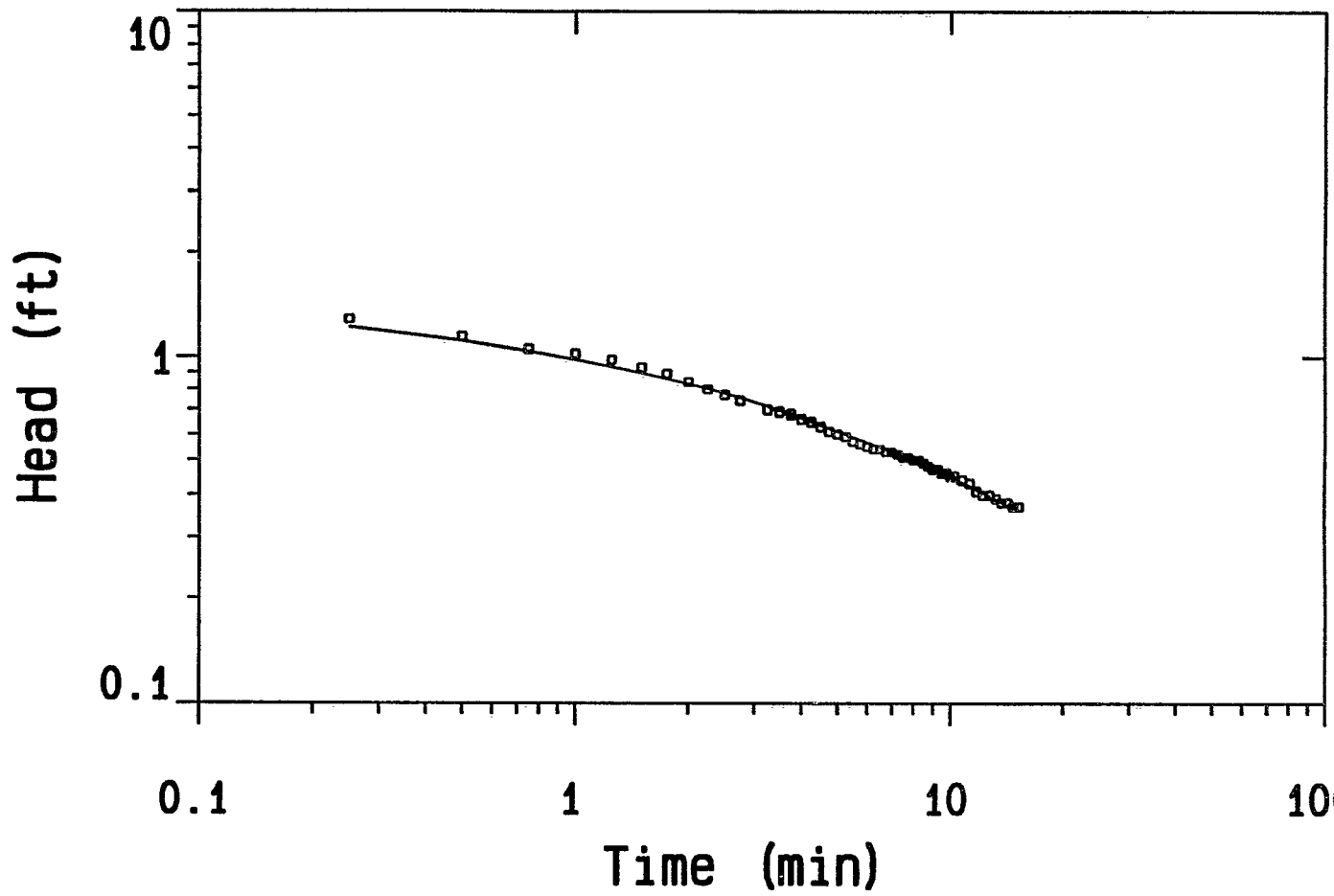

MODEL TYPE: COOPER et al. TRANSMISSIVITY: .3479 sq. ft/day STORATIVITY: .7582 INITIAL HEAD: 1.530 ft Data Set: MW-10SB1 — Date: 6/28/91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 52.41 base: 62.41 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 47.48 TD: 62.41	SLUG TEST ANALYSIS **Well: MW-10sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-10SB1

CLIENT:	RI/FS	DATE:	6/28/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-10sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	62.41 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	47.480 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	52.410 ft	SCREEN BASE:	62.41 ft
INITIAL HEAD:	1.530 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 2.033 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.7582534 FREE

TRANSMISSIVITY: 0.34793 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.250	1.28	1.21	5.09
2	0.500	1.14	1.10	2.66
3	0.750	1.05	1.03	1.30
4	1.00	1.02	0.979	3.92
5	1.25	0.980	0.933	4.74
6	1.50	0.930	0.894	3.87
7	1.75	0.890	0.859	3.41
8	2.00	0.840	0.829	1.30
9	2.25	0.800	0.801	-0.231
10	2.50	0.770	0.777	-0.941
11	2.75	0.740	0.754	-1.98
12	3.25	0.700	0.714	-2.10
13	3.50	0.690	0.696	-1.00
14	3.75	0.680	0.680	-0.0610
15	4.00	0.660	0.664	-0.741
16	4.25	0.650	0.650	-0.0389
17	4.50	0.630	0.636	-1.01
18	4.75	0.610	0.623	-2.18
19	5.00	0.600	0.610	-1.83
20	5.25	0.590	0.599	-1.57
21	5.50	0.570	0.588	-3.18

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8115

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	5.75	0.560	0.577	-3.13
23	6.00	0.550	0.567	-3.17
24	6.25	0.540	0.557	-3.30
25	6.50	0.540	0.548	-1.58
26	6.75	0.530	0.539	-1.81
27	7.00	0.530	0.531	-0.197
28	7.25	0.520	0.522	-0.538
29	7.50	0.510	0.514	-0.952
30	7.75	0.510	0.507	0.544
31	8.00	0.500	0.499	0.0266
32	8.25	0.500	0.492	1.44
33	8.50	0.490	0.485	0.828
34	8.75	0.480	0.479	0.137
35	9.00	0.470	0.472	-0.629
36	9.25	0.470	0.466	0.683
37	9.50	0.460	0.460	-0.174
38	9.75	0.460	0.455	1.08
39	10.00	0.450	0.449	0.143
40	10.25	0.450	0.443	1.36
41	10.75	0.440	0.433	1.52
42	11.25	0.430	0.423	1.56
43	11.75	0.410	0.413	-0.923
44	12.25	0.400	0.404	-1.19
45	12.75	0.400	0.396	0.941
46	13.25	0.390	0.388	0.480
47	13.75	0.380	0.380	-0.110
48	14.25	0.380	0.373	1.81
49	14.75	0.370	0.366	1.05
50	15.25	0.370	0.359	2.85

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	1.00	
T	0.00	1.00

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ADMINISTRATIVE RECORD

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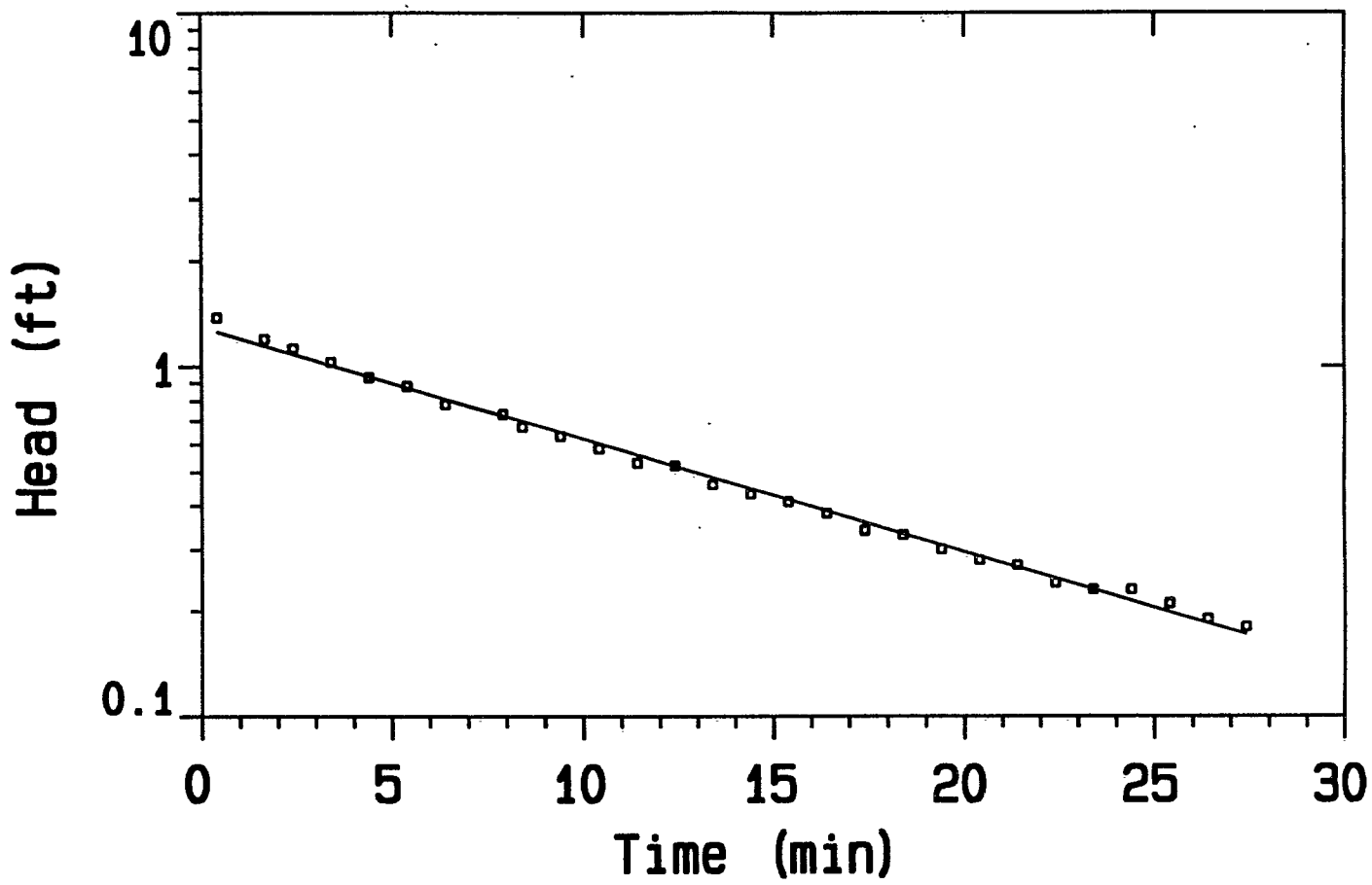

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: .1289 ft/day TRANSMISSIVITY: 3.182 sq. ft/day INITIAL HEAD: 1.380 ft Data Set: MW-11T — Date: 4/26/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 24.68 SCREEN: top: 18.04 base: 28.04 DIAMETER: casing: .1780 intake: .6460 DEPTH: Water Table: 3.820 TD: 28.04	**SLUG TEST ANALYSIS** **Well: MW-11t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-11T

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-11t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	28.04 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	3.820 ft
AQUIFER:	TILL	THICKNESS:	24.68 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	18.040 ft	SCREEN BASE:	28.04 ft
INITIAL HEAD:	1.380 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 3.18268square ft/day

CONDUCTIVITY: 0.12896 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.400	1.38	1.25	8.83
2	1.65	1.20	1.14	4.40
3	2.40	1.13	1.08	3.96
4	3.40	1.03	1.00	2.14
5	4.40	0.930	0.936	-0.660
6	5.40	0.880	0.869	1.19
7	6.40	0.780	0.807	-3.52
8	7.90	0.730	0.722	0.986
9	8.40	0.670	0.696	-3.96
10	9.40	0.630	0.646	-2.69
11	10.40	0.580	0.600	-3.59
12	11.40	0.530	0.558	-5.29
13	12.40	0.520	0.518	0.322
14	13.40	0.460	0.481	-4.65
15	14.40	0.430	0.447	-3.97
16	15.40	0.410	0.415	-1.28
17	16.40	0.380	0.385	-1.49
18	17.40	0.340	0.358	-5.35
19	18.40	0.330	0.332	-0.816
20	19.40	0.300	0.308	-2.99
21	20.40	0.280	0.286	-2.49
22	21.40	0.270	0.266	1.28
23	22.40	0.240	0.247	-3.14

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 1 8

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	23.40	0.230	0.229	0.0338
25	24.40	0.230	0.213	7.15
26	25.40	0.210	0.198	5.55
27	26.40	0.190	0.184	3.04
28	27.40	0.180	0.171	4.95

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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ADMINISTRATIVE RECORD

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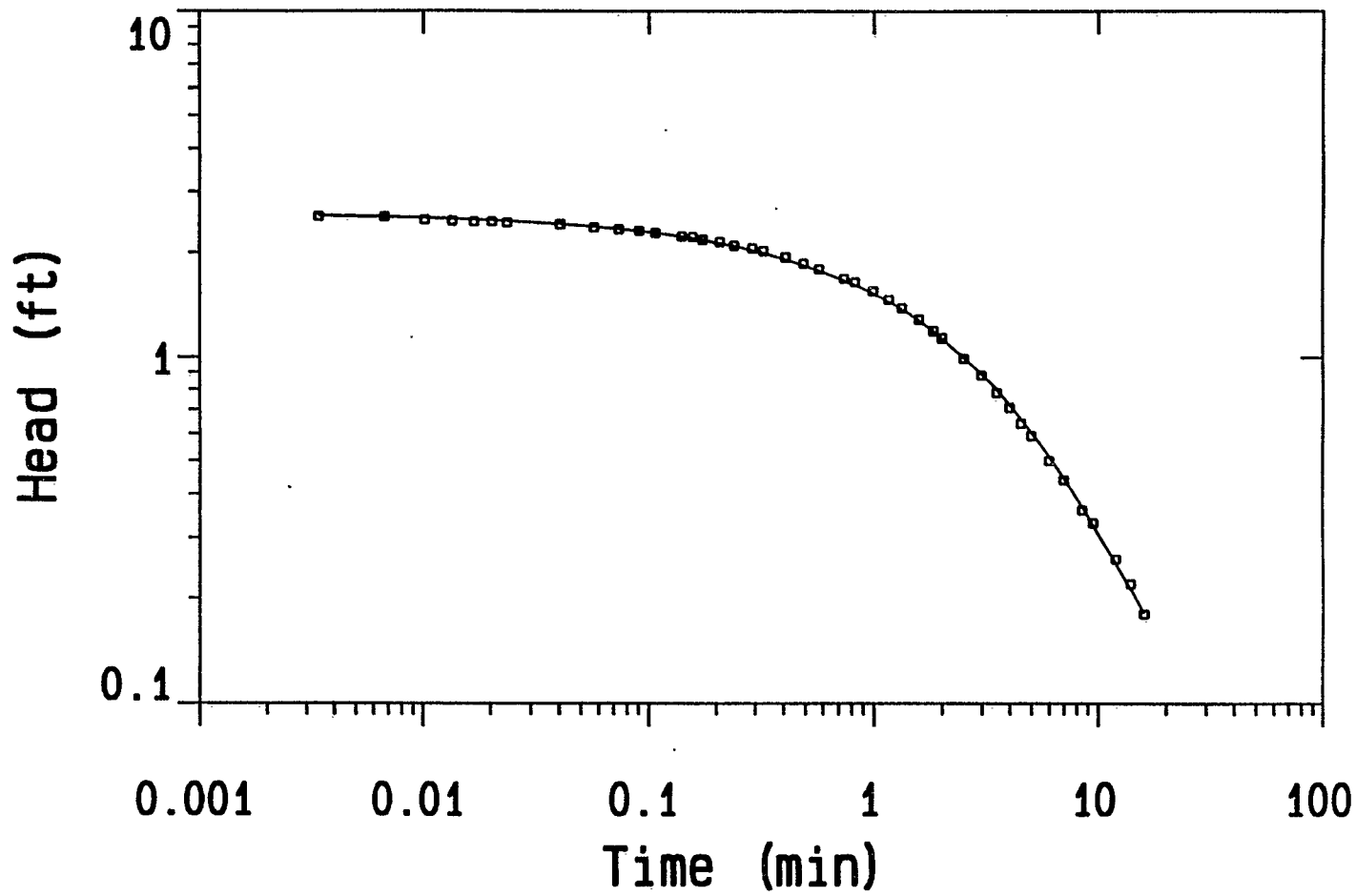

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 3.638 sq. ft/day STORATIVITY: .04058 INITIAL HEAD: 2.620 ft Data Set: MW-11SB — Date: 4/20/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 33.72 base: 43.72 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 3.730 TD: 43.72	SLUG TEST ANALYSIS **Well: MW-11sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 028

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-11SB

CLIENT:	RI/FS	DATE:	4/20/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-11sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	43.72 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	3.730 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	33.720 ft	SCREEN BASE:	43.72 ft
INITIAL HEAD:	2.620 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 1.461 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0405782 FREE

TRANSMISSIVITY: 3.63845 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00340	2.55	2.56	-0.528
2	0.00670	2.54	2.53	0.00841
3	0.0101	2.49	2.52	-1.22
4	0.0134	2.47	2.50	-1.40
5	0.0167	2.46	2.49	-1.24
6	0.0201	2.46	2.47	-0.702
7	0.0234	2.44	2.46	-1.03
8	0.0401	2.41	2.41	-0.159
9	0.0567	2.36	2.37	-0.501
10	0.0734	2.33	2.33	-0.209
11	0.0901	2.30	2.30	-0.0709
12	0.106	2.27	2.27	-0.0535
13	0.140	2.22	2.21	0.174
14	0.156	2.21	2.19	0.858
15	0.173	2.17	2.16	0.135
16	0.206	2.14	2.12	0.820
17	0.240	2.09	2.08	0.427
18	0.290	2.05	2.02	1.25
19	0.323	2.02	1.98	1.52
20	0.406	1.94	1.90	1.60
21	0.490	1.86	1.83	1.21

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 128

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.573	1.79	1.77	0.976
23	0.740	1.68	1.65	1.30
24	0.823	1.64	1.60	2.00
25	0.990	1.54	1.51	1.64
26	1.15	1.45	1.43	1.19
27	1.32	1.37	1.35	0.774
28	1.57	1.27	1.26	0.643
29	1.82	1.18	1.17	0.285
30	1.99	1.13	1.12	0.390
31	2.49	0.990	0.993	-0.356
32	2.99	0.880	0.886	-0.714
33	3.49	0.780	0.797	-2.26
34	3.99	0.710	0.722	-1.76
35	4.49	0.640	0.658	-2.90
36	4.99	0.590	0.603	-2.33
37	5.99	0.500	0.514	-2.83
38	6.99	0.440	0.444	-0.977
39	8.49	0.360	0.366	-1.70
40	9.49	0.330	0.325	1.32
41	11.99	0.260	0.251	3.17
42	13.99	0.220	0.211	3.80
43	15.99	0.180	0.180	-0.492

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	1.00	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002 229

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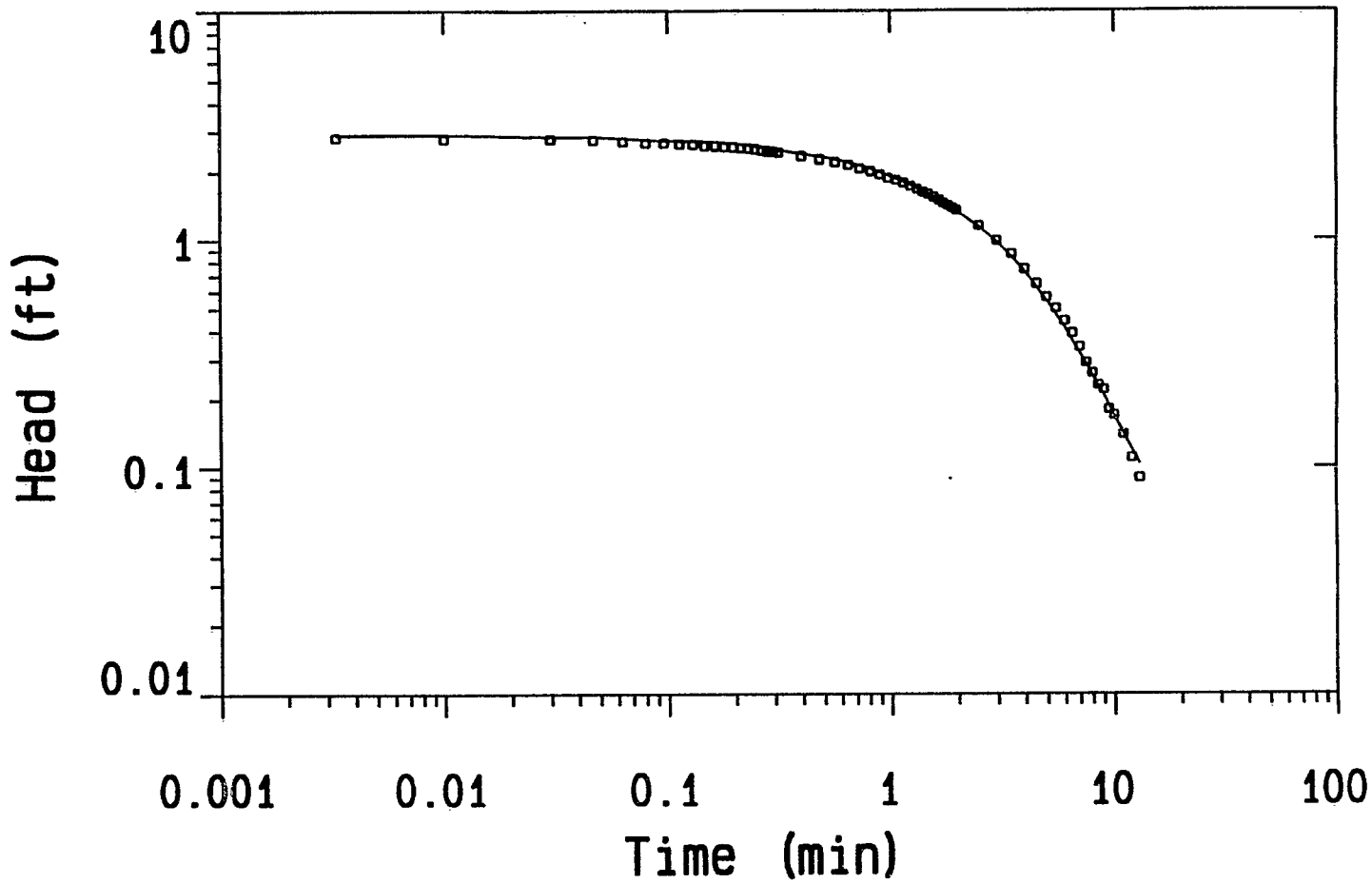

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 104.9 sq. ft/day STORATIVITY: 1.840E-5 INITIAL HEAD: 2.900 ft Data Set: MW-11DB2 — Date: 7/8/91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 220.5 SCREEN: top: 29.50 base: 250.0 DIAMETER: casing: .5000 intake: .5000 DEPTH: Water Table: 8.370 TD: 250.0	SLUG TEST ANALYSIS **Well: MW-11db** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E 2 8

DATA SET: MW-11DB2

CLIENT:	RI/FS	DATE:	7/8/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-11db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	250.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	8.370 ft
AQUIFER:	TILL	THICKNESS:	220.50 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	29.500 ft	SCREEN BASE:	250.00 ft
INITIAL HEAD:	2.900 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 3.818 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0000184	FREE
TRANSMISSIVITY:	104.99044 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.82	2.89	-2.55
2	0.0100	2.77	2.89	-4.46
3	0.0300	2.76	2.82	-2.47
4	0.0466	2.73	2.83	-3.66
5	0.0633	2.69	2.78	-3.38
6	0.0800	2.66	2.73	-2.90
7	0.0966	2.65	2.71	-2.39
8	0.113	2.63	2.70	-2.85
9	0.130	2.62	2.70	-3.10
10	0.146	2.58	2.69	-4.35
11	0.163	2.57	2.67	-4.16
12	0.180	2.55	2.65	-4.20
13	0.196	2.54	2.63	-3.70
14	0.213	2.52	2.60	-3.56
15	0.230	2.51	2.58	-3.00
16	0.246	2.49	2.56	-2.85
17	0.263	2.46	2.53	-3.12
18	0.280	2.44	2.51	-3.01
19	0.296	2.43	2.49	-2.50
20	0.313	2.41	2.46	-2.46
21	0.396	2.33	2.38	-2.20

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 429

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.480	2.25	2.31	-2.94
23	0.563	2.19	2.25	-2.96
24	0.646	2.13	2.18	-2.76
25	0.730	2.06	2.12	-2.92
26	0.813	2.00	2.05	-2.54
27	0.896	1.94	1.98	-2.22
28	0.980	1.87	1.91	-2.55
29	1.06	1.83	1.85	-1.36
30	1.14	1.78	1.79	-0.818
31	1.23	1.72	1.73	-0.995
32	1.31	1.67	1.68	-0.769
33	1.39	1.62	1.63	-0.695
34	1.48	1.59	1.58	0.457
35	1.56	1.54	1.53	0.201
36	1.65	1.49	1.49	-0.118
37	1.73	1.45	1.45	-0.150
38	1.81	1.42	1.41	0.394
39	1.90	1.38	1.37	0.454
40	1.98	1.35	1.33	0.815
41	2.48	1.15	1.14	0.657
42	2.98	0.990	0.975	1.45
43	3.48	0.860	0.835	2.88
44	3.98	0.740	0.717	2.99
45	4.48	0.640	0.620	3.11
46	4.98	0.560	0.538	3.84
47	5.48	0.500	0.469	6.07
48	5.98	0.440	0.411	6.55
49	6.48	0.390	0.361	7.24
50	6.98	0.340	0.320	5.85
51	7.48	0.290	0.285	1.72
52	7.98	0.260	0.255	1.87
53	8.48	0.230	0.229	0.334
54	8.98	0.220	0.206	6.15
55	9.48	0.180	0.186	-3.60
56	9.98	0.170	0.169	0.541
57	10.98	0.140	0.140	-0.630
58	11.98	0.110	0.119	-8.88
59	12.98	0.0900	0.103	-15.17

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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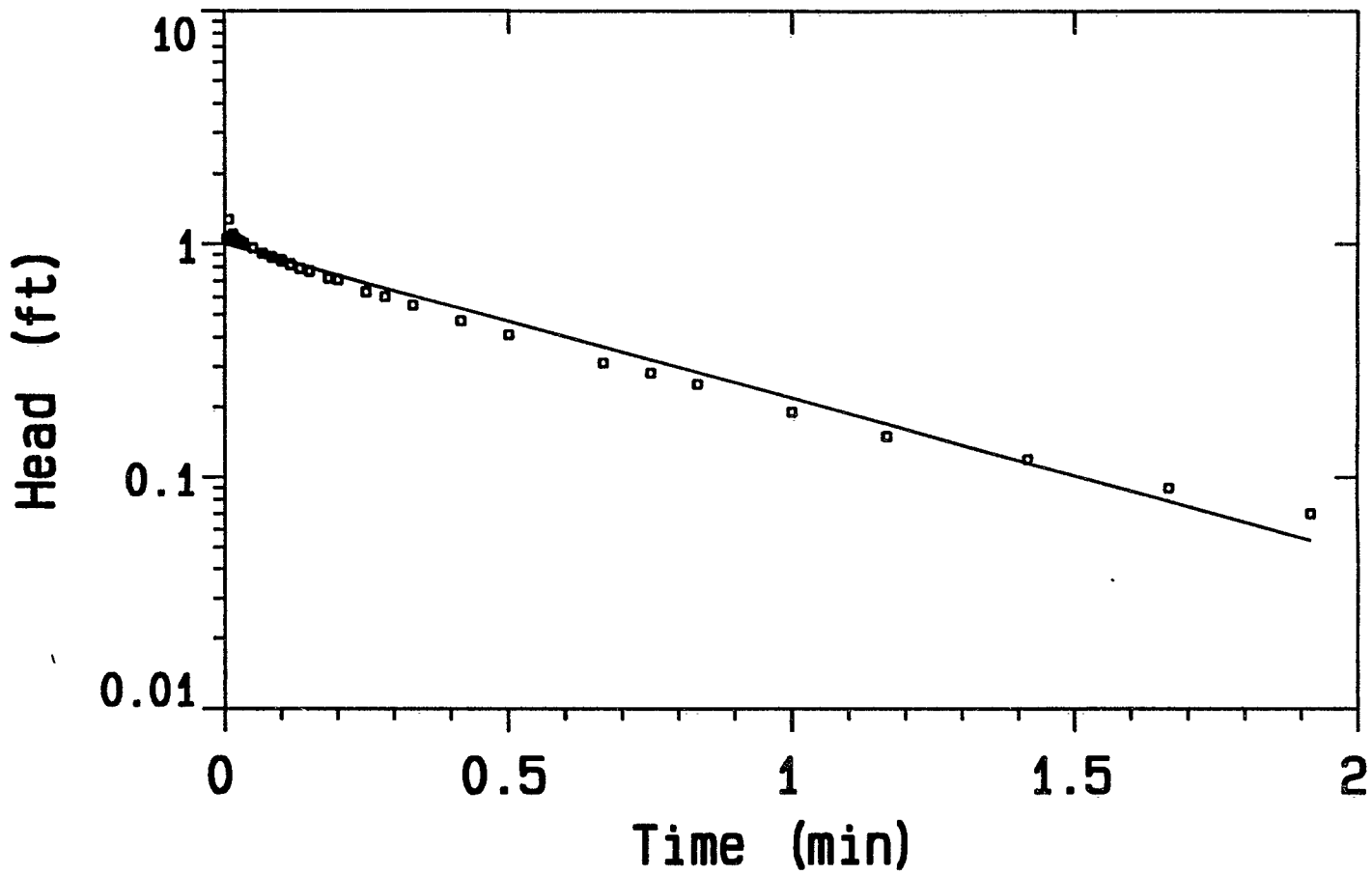
LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
825



MODEL TYPE: BOUWER and RICE	for: RI/FS	**SLUG TEST ANALYSIS**
CONDUCTIVITY: 2.435 ft/day	by: Fuss & O'Neill, Inc.	**Well: MW-12t**
TRANSMISSIVITY: 36.01 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.060 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MW-12T1 / Date: 4/26/90	THICKNESS: 14.79	
	SCREEN: top: 6.740 base: 16.74	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 2.210 TD: 16.74	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 928

DATA SET: MW-12T1

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-12t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	16.74 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	2.210 ft
AQUIFER:	TILL	THICKNESS:	14.79 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	6.740 ft	SCREEN BASE:	16.74 ft
INITIAL HEAD:	1.060 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 36.01438square ft/day

CONDUCTIVITY: 2.43505 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	1.06	0.997	5.92
2	0.00660	1.28	0.992	22.48
3	0.00990	1.03	0.987	4.15
4	0.0133	1.11	0.982	11.52
5	0.0166	1.07	0.977	8.67
6	0.0200	1.04	0.972	6.53
7	0.0233	1.04	0.967	6.99
8	0.0266	1.03	0.962	6.56
9	0.0300	1.01	0.957	5.21
10	0.0333	1.01	0.952	5.68
11	0.0500	0.960	0.928	3.27
12	0.0666	0.910	0.905	0.509
13	0.0833	0.880	0.882	-0.294
14	0.100	0.850	0.860	-1.22
15	0.116	0.820	0.838	-2.30
16	0.133	0.790	0.817	-3.51
17	0.150	0.770	0.797	-3.53
18	0.183	0.720	0.757	-5.23
19	0.200	0.710	0.738	-4.03
20	0.250	0.630	0.684	-8.63
21	0.283	0.600	0.650	-8.41
22	0.333	0.550	0.602	-9.57
23	0.416	0.470	0.530	-12.90

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 127

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	0.500	0.410	0.467	-13.98
25	0.666	0.310	0.362	-16.89
26	0.750	0.280	0.319	-13.97
27	0.833	0.250	0.281	-12.41
28	1.00	0.190	0.217	-14.69
29	1.16	0.150	0.168	-12.65
30	1.41	0.120	0.115	3.82
31	1.66	0.0900	0.0787	12.45
32	1.91	0.0700	0.0538	23.13

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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ADMINISTRATIVE RECORD

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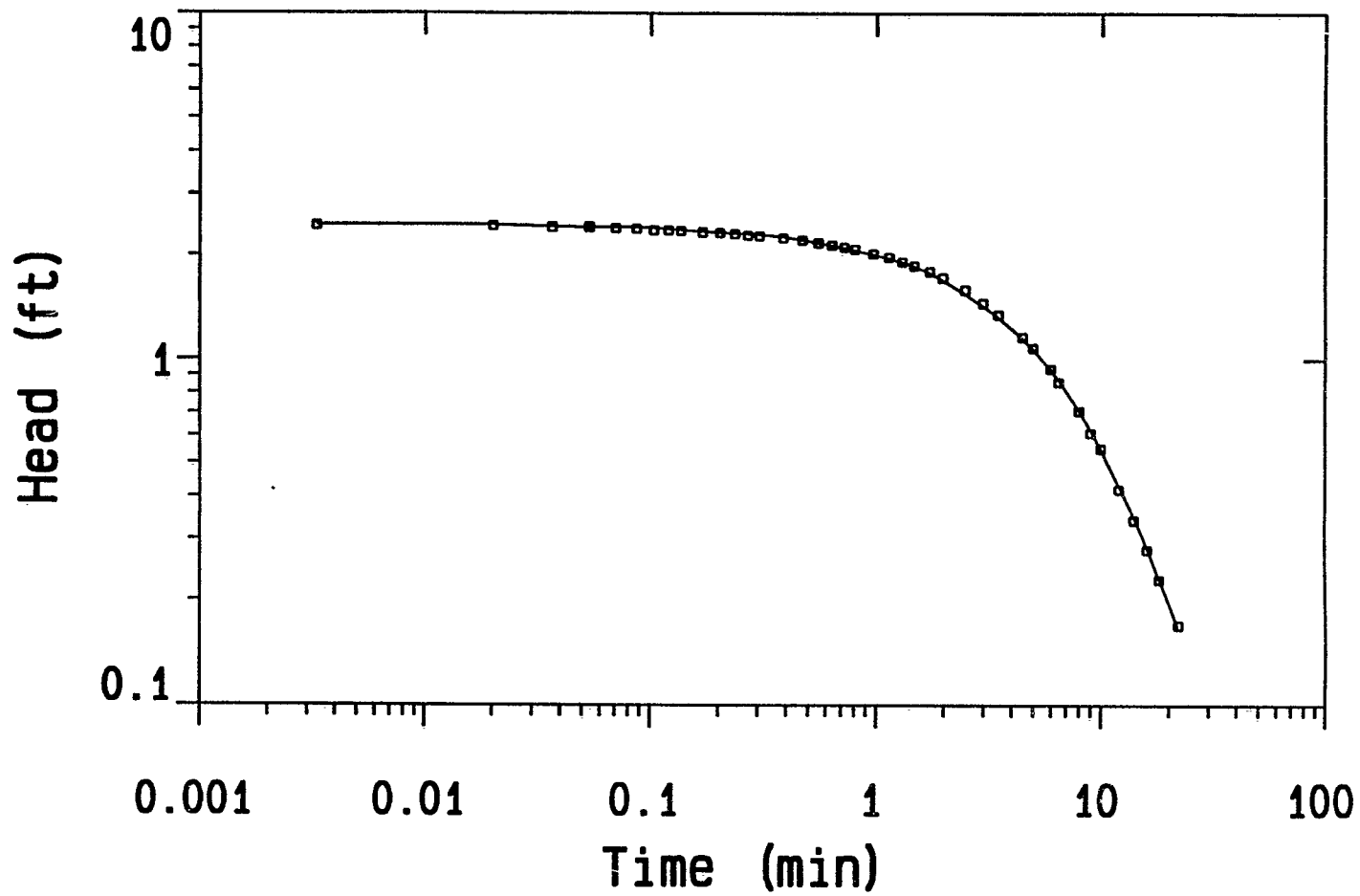

MODEL TYPE: COOPER et al.	for: RI/FS	SLUG TEST ANALYSIS
TRANSMISSIVITY: 5.227 sq. ft/day	by: Fuss & O'Neill, Inc.	Well: MW-12sb
STORATIVITY: 3.120E-5	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 2.460 ft	AQUIFER: SHALLOW BEDROCK	WOODSTOCK, CONNECTICUT
Data Set: MW-12SB / Date: 4/26/90	THICKNESS: 25.00	
	SCREEN: top: 23.99 base: 33.99	
	DIAMETER: casing: .1780 intake: .2480	
	DEPTH: Water Table: 3.440 TD: 33.99	

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LIN002 628

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-12SB

CLIENT:	RI/FS	DATE:	4/26/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-12sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	33.99 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	3.440 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	23.990 ft	SCREEN BASE:	33.99 ft
INITIAL HEAD:	2.460 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 1.195 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0000312 FREE

TRANSMISSIVITY: 5.22745 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.44	2.44	-0.382
2	0.0200	2.43	2.44	-0.820
3	0.0366	2.41	2.42	-0.470
4	0.0533	2.41	2.41	-0.0316
5	0.0700	2.39	2.41	-0.911
6	0.0866	2.38	2.40	-1.24
7	0.103	2.36	2.39	-1.62
8	0.120	2.36	2.38	-0.929
9	0.136	2.35	2.36	-0.658
10	0.170	2.33	2.34	-0.477
11	0.203	2.32	2.32	-0.230
12	0.236	2.30	2.31	-0.591
13	0.270	2.28	2.30	-1.02
14	0.303	2.27	2.29	-1.02
15	0.386	2.24	2.25	-0.871
16	0.470	2.21	2.21	-0.229
17	0.553	2.17	2.17	-0.00650
18	0.636	2.14	2.13	0.443
19	0.720	2.11	2.09	0.683
20	0.803	2.08	2.06	0.762
21	0.970	2.02	2.00	0.612

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	1.13	1.97	1.95	0.709
23	1.30	1.91	1.90	0.218
24	1.47	1.86	1.85	0.314
25	1.72	1.79	1.77	0.860
26	1.97	1.72	1.69	1.39
27	2.47	1.59	1.55	2.28
28	2.97	1.46	1.43	1.88
29	3.47	1.35	1.32	1.69
30	4.47	1.16	1.14	0.967
31	4.97	1.08	1.07	0.749
32	5.97	0.940	0.934	0.633
33	6.47	0.860	0.871	-1.37
34	7.97	0.710	0.710	-0.0302
35	8.97	0.610	0.621	-1.95
36	9.97	0.550	0.547	0.482
37	11.97	0.420	0.431	-2.67
38	13.97	0.340	0.346	-1.78
39	15.97	0.280	0.281	-0.362
40	17.97	0.230	0.231	-0.736
41	21.97	0.170	0.164	3.35

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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ADMINISTRATIVE RECORD

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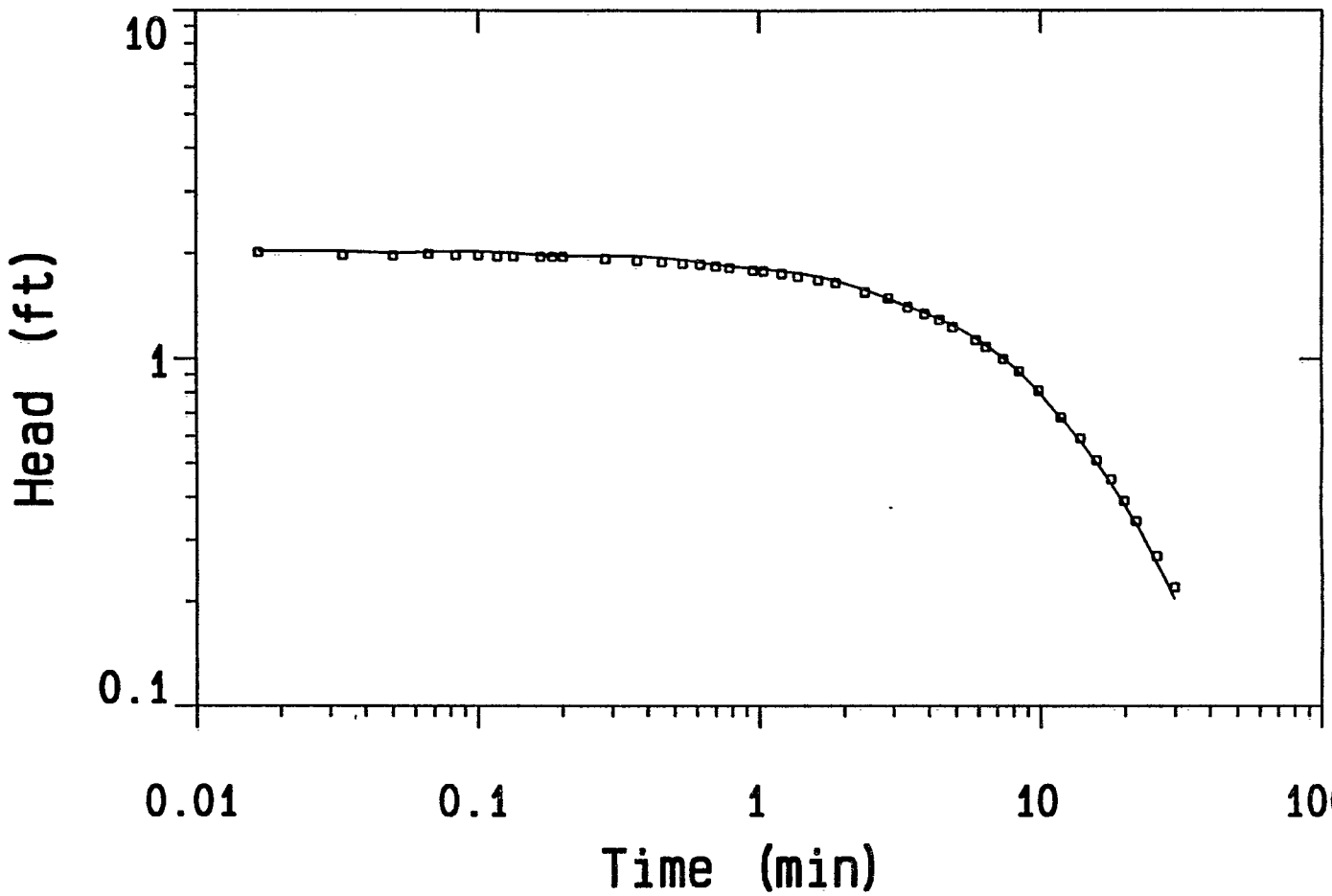

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 26.02 sq. ft/day STORATIVITY: 2.107E-5 INITIAL HEAD: 2.030 ft Data Set: MW-12082 Date: 5/31/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: DEEP BEDROCK THICKNESS: 176.0 SCREEN: top: 25.00 base: 201.0 DIAMETER: casing: .5000 intake: .5000 DEPTH: Water Table: 31.06 TD: 201.0	SLUG TEST ANALYSIS **Well: MW-12db** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 B E 2

DATA SET: MW-12DB2

CLIENT:	RI/FS	DATE:	5/31/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-12db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	201.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	31.060 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	176.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	25.000 ft	SCREEN BASE:	201.00 ft
INITIAL HEAD:	2.030 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 2.199 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0000211 FREE

TRANSMISSIVITY: 26.02130 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.0167	2.02	2.03	-0.622
2	0.0333	1.98	2.03	-2.60
3	0.0500	1.97	2.00	-1.64
4	0.0667	1.99	2.01	-1.28
5	0.0833	1.97	2.02	-2.79
6	0.100	1.97	2.02	-2.71
7	0.116	1.96	2.01	-2.78
8	0.133	1.96	2.00	-2.12
9	0.166	1.95	1.97	-1.27
10	0.183	1.95	1.96	-0.834
11	0.200	1.95	1.96	-0.590
12	0.283	1.92	1.96	-2.20
13	0.366	1.90	1.95	-2.93
14	0.450	1.88	1.93	-2.97
15	0.533	1.86	1.90	-2.54
16	0.616	1.85	1.87	-1.42
17	0.700	1.83	1.84	-1.06
18	0.783	1.81	1.82	-1.08
19	0.950	1.78	1.80	-1.32
20	1.03	1.77	1.79	-1.33
21	1.20	1.74	1.77	-1.88

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
933

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	1.36	1.71	1.74	-2.28
23	1.61	1.67	1.70	-2.29
24	1.86	1.64	1.66	-1.39
25	2.36	1.54	1.56	-1.69
26	2.86	1.48	1.47	0.123
27	3.36	1.40	1.40	-0.524
28	3.86	1.34	1.34	-0.610
29	4.36	1.29	1.29	-0.350
30	4.86	1.23	1.24	-1.01
31	5.86	1.13	1.14	-1.12
32	6.36	1.08	1.09	-1.38
33	7.36	1.00	1.00	-0.366
34	8.36	0.920	0.918	0.162
35	9.86	0.810	0.803	0.775
36	11.86	0.680	0.677	0.348
37	13.86	0.590	0.579	1.80
38	15.86	0.510	0.501	1.66
39	17.86	0.450	0.436	2.91
40	19.86	0.390	0.381	2.18
41	21.86	0.340	0.334	1.72
42	25.86	0.270	0.259	4.04
43	29.86	0.220	0.203	7.61

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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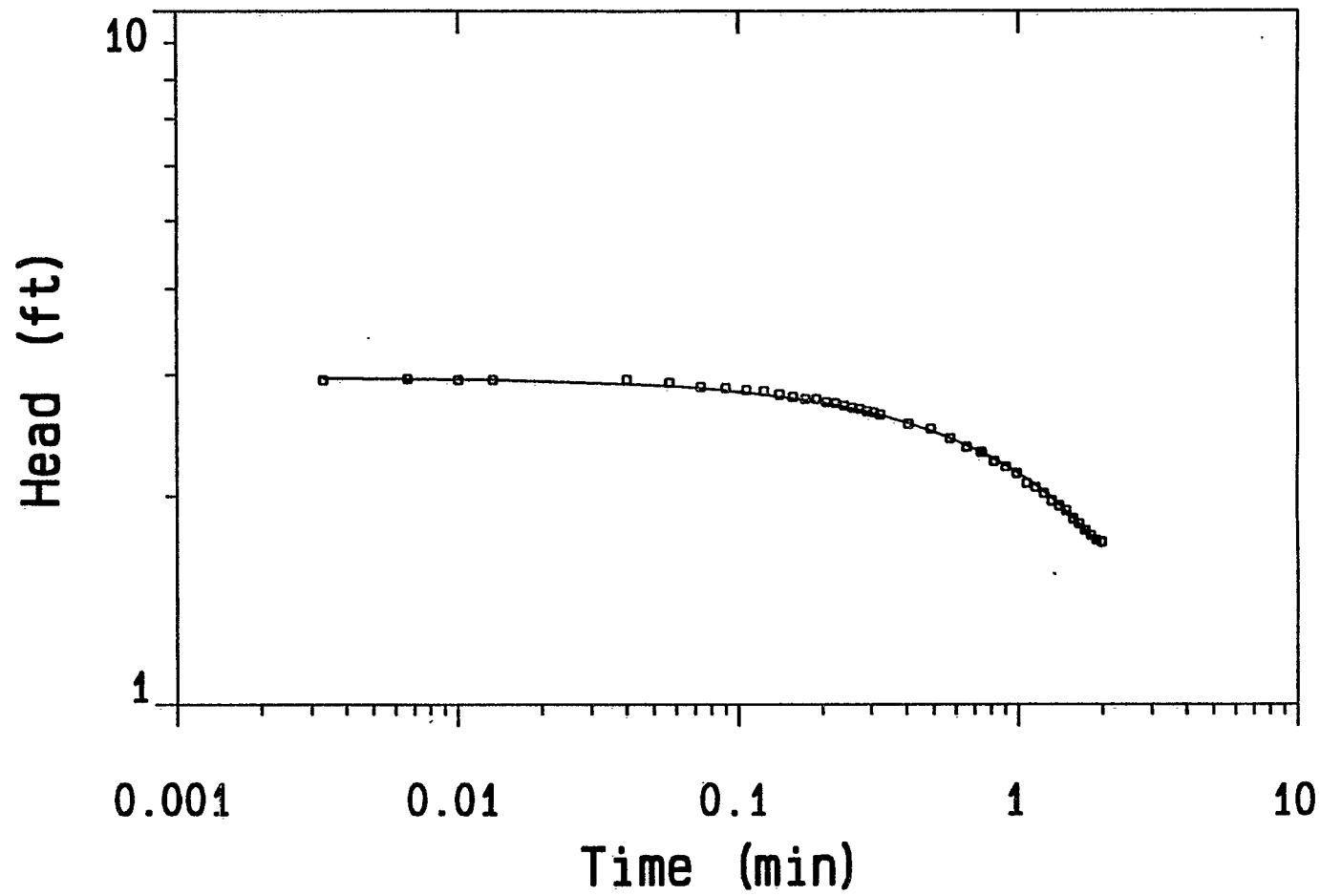

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 48.00 sq. ft/day STORATIVITY: .0007802 INITIAL HEAD: 2.980 ft Data Set: MW-13DB3 — Date: 6\3\91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: DEEP BEDROCK THICKNESS: 281.0 SCREEN: top: 19.00 base: 300.0 DIAMETER: casing: .5000 intake: .5000 DEPTH: Water Table: 63.29 TD: 300.0	SLUG TEST ANALYSIS **Well: MW-13db** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINMOO2 B E 5

LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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DATA SET: MW-13DB3

CLIENT:	RI/FS	DATE:	6\3\91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-13db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	300.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	63.290 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	281.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	19.000 ft	SCREEN BASE:	300.00 ft
INITIAL HEAD:	2.980 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 0.701 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0007802 FREE

TRANSMISSIVITY: 48.00553 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.95	2.96	-0.608
2	0.00660	2.96	2.95	0.0991
3	0.0100	2.95	2.95	-0.00112
4	0.0133	2.95	2.94	0.0577
5	0.0400	2.95	2.90	1.53
6	0.0566	2.92	2.88	1.09
7	0.0733	2.88	2.86	0.436
8	0.0900	2.87	2.84	0.839
9	0.106	2.85	2.82	0.850
10	0.123	2.84	2.80	1.16
11	0.140	2.81	2.78	0.730
12	0.156	2.79	2.77	0.596
13	0.173	2.77	2.75	0.430
14	0.190	2.77	2.74	0.963
15	0.206	2.74	2.72	0.407
16	0.223	2.73	2.71	0.579
17	0.240	2.71	2.69	0.392
18	0.256	2.69	2.68	0.201
19	0.273	2.68	2.66	0.384
20	0.290	2.66	2.65	0.194
21	0.306	2.65	2.64	0.372

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 3 5 6

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.323	2.63	2.62	0.171
23	0.406	2.55	2.55	-0.210
24	0.490	2.51	2.49	0.785
25	0.573	2.43	2.42	0.0123
26	0.656	2.36	2.37	-0.546
27	0.740	2.32	2.31	0.0353
28	0.823	2.25	2.26	-0.786
29	0.906	2.21	2.21	-0.347
30	0.990	2.16	2.16	-0.419
31	1.07	2.09	2.12	-1.52
32	1.15	2.06	2.07	-0.767
33	1.24	2.02	2.03	-0.555
34	1.32	1.97	1.98	-0.911
35	1.40	1.94	1.94	-0.308
36	1.49	1.91	1.90	0.247
37	1.57	1.86	1.86	-0.314
38	1.65	1.83	1.82	0.130
39	1.74	1.79	1.79	-0.0358
40	1.82	1.76	1.75	0.293
41	1.90	1.73	1.72	0.569
42	1.99	1.72	1.68	1.94

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.42	
T	0.10	0.98

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD
LIN002
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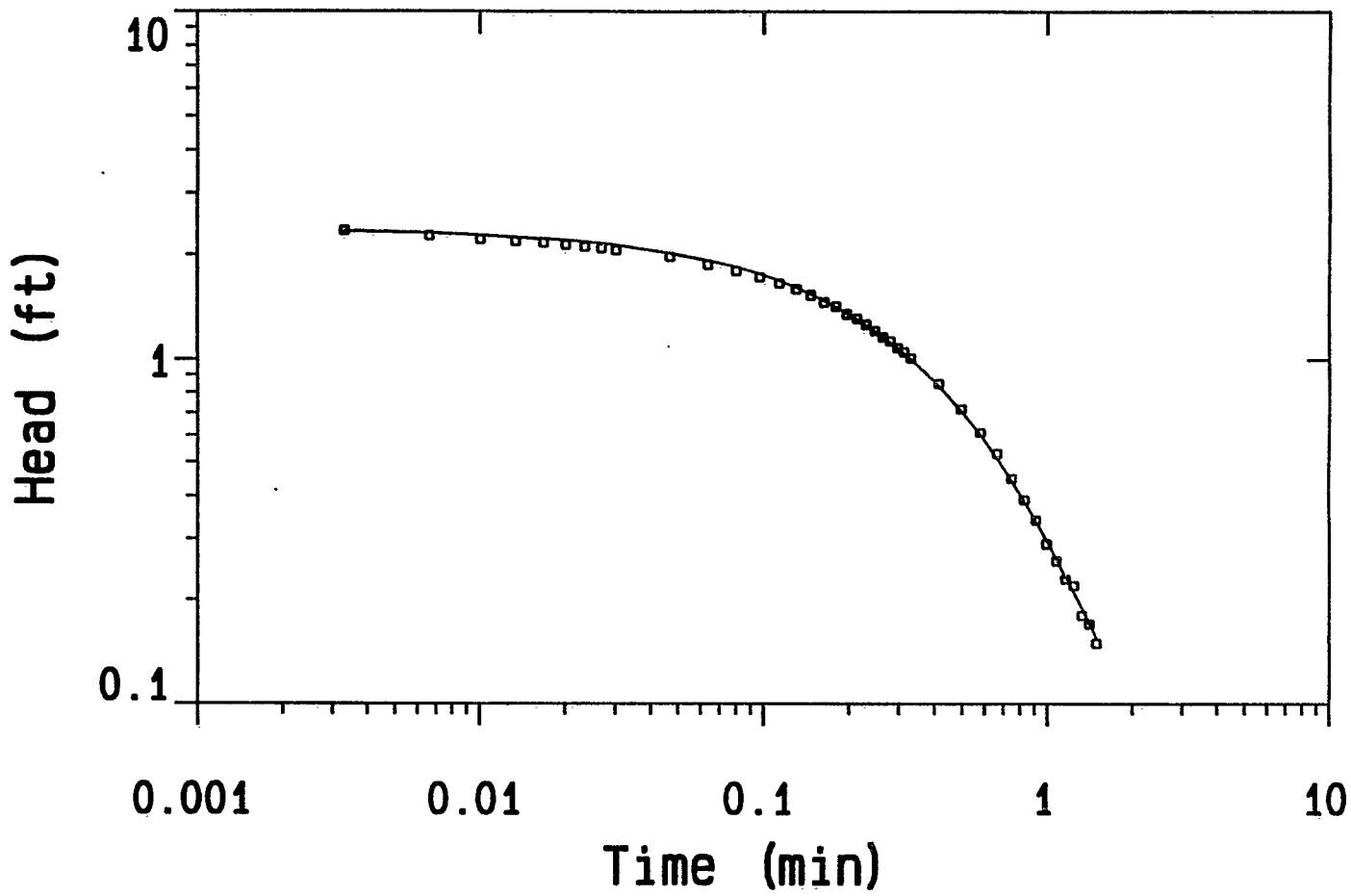

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 69.79 sq. ft/day STORATIVITY: .0001530 INITIAL HEAD: 2.390 ft Data Set: MW-14SB1 — Date: 4/20/90	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 15.49 base: 25.49 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 1.340 TD: 25.49	SLUG TEST ANALYSIS **Well: MW-14sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-14SB1

CLIENT:	RI/FS	DATE:	4/20/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-14sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	25.49 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	1.340 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	15.490 ft	SCREEN BASE:	25.49 ft
INITIAL HEAD:	2.390 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 2.140 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0001530 FREE

TRANSMISSIVITY: 69.78863 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.35	2.33	0.434
2	0.00660	2.27	2.31	-2.03
3	0.0100	2.22	2.27	-2.59
4	0.0133	2.19	2.24	-2.71
5	0.0167	2.17	2.22	-2.57
6	0.0200	2.14	2.20	-3.02
7	0.0233	2.11	2.18	-3.42
8	0.0267	2.09	2.15	-3.22
9	0.0300	2.06	2.13	-3.52
10	0.0467	1.97	2.01	-2.45
11	0.0633	1.87	1.92	-2.89
12	0.0800	1.79	1.83	-2.79
13	0.0967	1.72	1.75	-2.29
14	0.113	1.65	1.68	-1.92
15	0.130	1.59	1.60	-1.10
16	0.146	1.53	1.53	-0.522
17	0.163	1.46	1.47	-0.927
18	0.180	1.42	1.41	0.496
19	0.196	1.35	1.35	-0.459
20	0.213	1.31	1.30	0.524
21	0.230	1.26	1.25	0.573

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 839

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.246	1.21	1.20	0.396
23	0.263	1.16	1.16	-0.0410
24	0.280	1.13	1.11	1.07
25	0.296	1.08	1.07	0.246
26	0.313	1.05	1.03	1.04
27	0.330	1.01	1.00	0.779
28	0.413	0.850	0.839	1.23
29	0.496	0.720	0.707	1.68
30	0.580	0.610	0.601	1.46
31	0.663	0.530	0.514	2.97
32	0.746	0.450	0.443	1.38
33	0.830	0.390	0.385	1.05
34	0.913	0.340	0.337	0.837
35	0.996	0.290	0.296	-2.14
36	1.08	0.260	0.261	-0.754
37	1.16	0.230	0.233	-1.40
38	1.24	0.220	0.209	4.98
39	1.33	0.180	0.188	-4.58
40	1.41	0.170	0.170	-0.0280
41	1.49	0.150	0.154	-2.73

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.96	
T	0.00	1.00

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ADMINISTRATIVE RECORD

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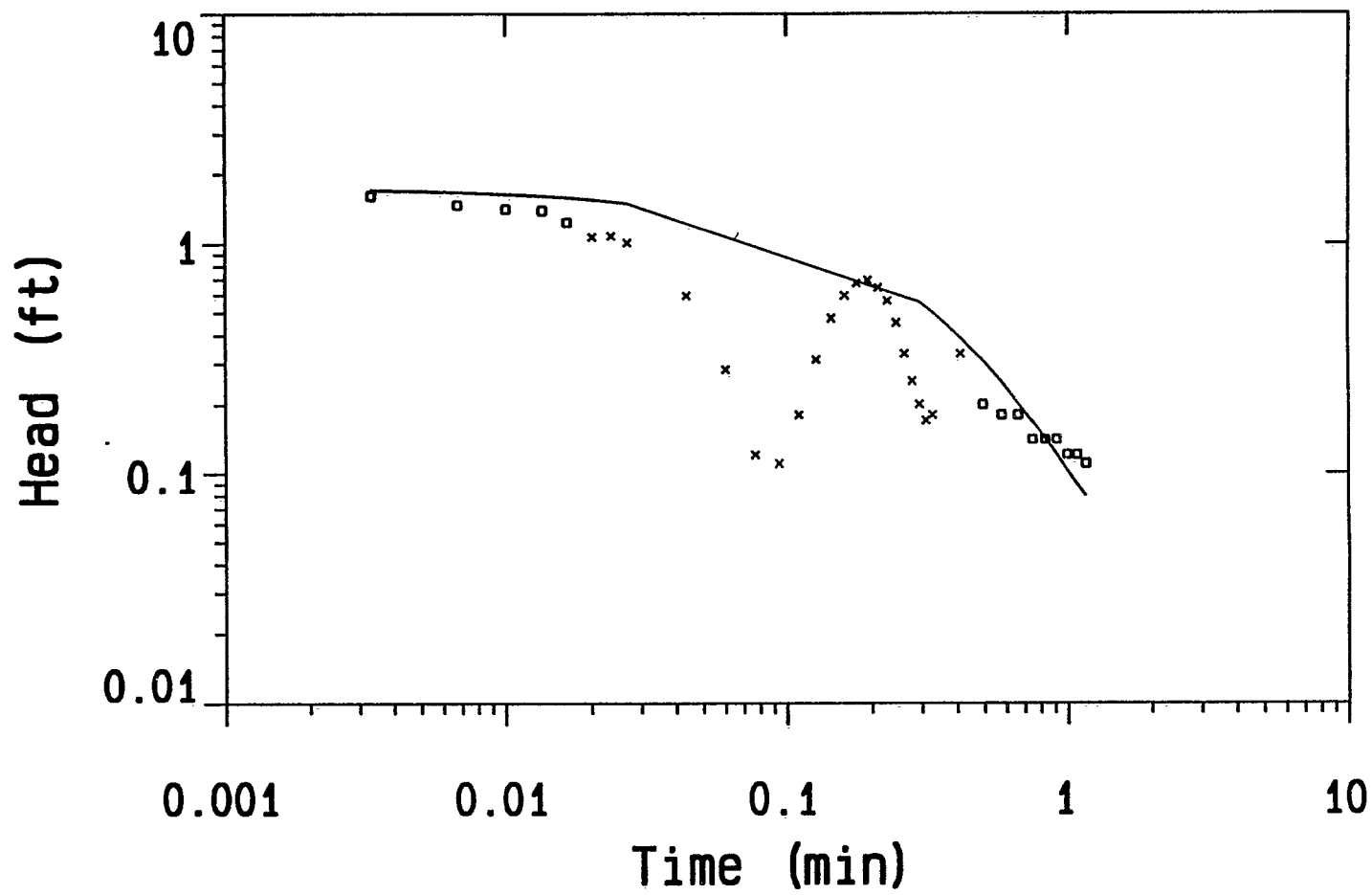

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 871.0 sq. ft/day STORATIVITY: .0003000 INITIAL HEAD: 1.750 ft Data Set: MW-14DB4 — Date: 6/3/91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: DEEP BEDROCK THICKNESS: 177.0 SCREEN: top: 24.00 base: 201.0 DIAMETER: casing: .5000 intake: .5000 DEPTH: Water Table: 17.26 TD: 201.0	SLUG TEST ANALYSIS **Well: MW-14db** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

FUSS&O'NEILL,INC.

LIN002 8 4 1

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-14DB4

CLIENT:	RI/FS	DATE:	6/3/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-14db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	201.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	17.260 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	177.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	24.000 ft	SCREEN BASE:	201.00 ft
INITIAL HEAD:	1.750 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 24.598 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0003000	FIXED
TRANSMISSIVITY:	871.03552 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	1.62	1.70	-5.23
2	0.00673	1.48	1.66	-12.39
3	0.0100	1.42	1.63	-15.04
4	0.0134	1.40	1.60	-14.88
5	0.0164	1.24	1.58	-27.71
6	0.493	0.200	0.306	-53.21
7	0.576	0.180	0.247	-37.22
8	0.660	0.180	0.201	-12.11
9	0.743	0.140	0.167	-19.79
10	0.826	0.140	0.141	-1.10
11	0.910	0.140	0.120	13.93
12	0.993	0.120	0.103	13.71
13	1.07	0.120	0.0900	24.98
14	1.16	0.110	0.0792	27.92

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 248

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

S *	0.00	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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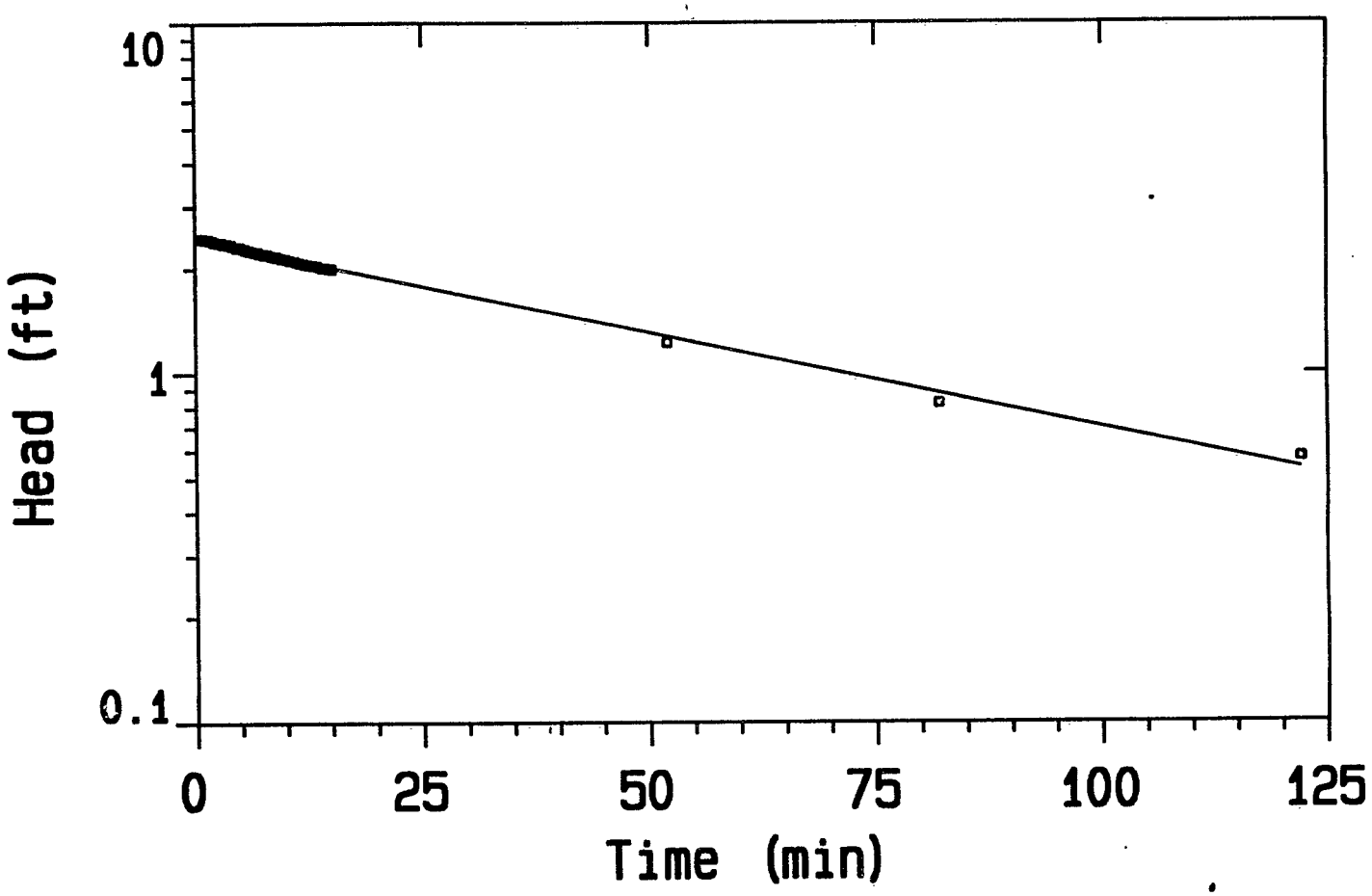

MODEL TYPE: BOUWER and RICE	for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .01476 ft/day	by: Fuss & O'Neill, Inc.	Well: MW-15t
TRANSMISSIVITY: 1.105 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.380 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MW-15T1 / Date: 6/25/91	THICKNESS: 74.85	
	SCREEN: top: 127.2 base: 137.2	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 64.15 TD: 137.2	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-15T1

CLIENT:	RI/FS	DATE:	6/25/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-15t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	137.24 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	64.150 ft
AQUIFER:	TILL	THICKNESS:	74.85 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	127.240 ft	SCREEN BASE:	137.24 ft
INITIAL HEAD:	1.380 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 1.10547square ft/day

CONDUCTIVITY: 0.01477 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	2.43	2.41	1.07
2	1.00	2.43	2.39	1.28
3	1.50	2.42	2.38	1.49
4	2.00	2.40	2.36	1.28
5	2.50	2.38	2.35	1.07
6	3.00	2.37	2.33	1.27
7	3.50	2.36	2.32	1.47
8	4.00	2.34	2.31	1.24
9	4.50	2.31	2.29	0.583
10	5.00	2.30	2.28	0.770
11	5.50	2.28	2.26	0.520
12	6.00	2.26	2.25	0.262
13	6.50	2.24	2.24	-0.00393
14	7.00	2.23	2.22	0.170
15	7.50	2.21	2.21	-0.108
16	8.00	2.20	2.19	0.0599
17	8.50	2.18	2.18	-0.231
18	9.00	2.17	2.17	-0.0692
19	9.50	2.15	2.15	-0.373
20	10.00	2.14	2.14	-0.217
21	10.50	2.12	2.13	-0.536
22	11.00	2.11	2.11	-0.386
23	11.50	2.09	2.10	-0.718

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 845

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	12.00	2.07	2.09	-1.06
25	12.50	2.06	2.07	-0.922
26	13.00	2.05	2.06	-0.785
27	13.50	2.04	2.05	-0.651
28	14.00	2.02	2.04	-1.01
29	14.50	2.01	2.02	-0.891
30	15.00	2.00	2.01	-0.766
31	52.00	1.22	1.27	-4.25
32	82.00	0.820	0.875	-6.80
33	122.0	0.570	0.532	6.57

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 4 5

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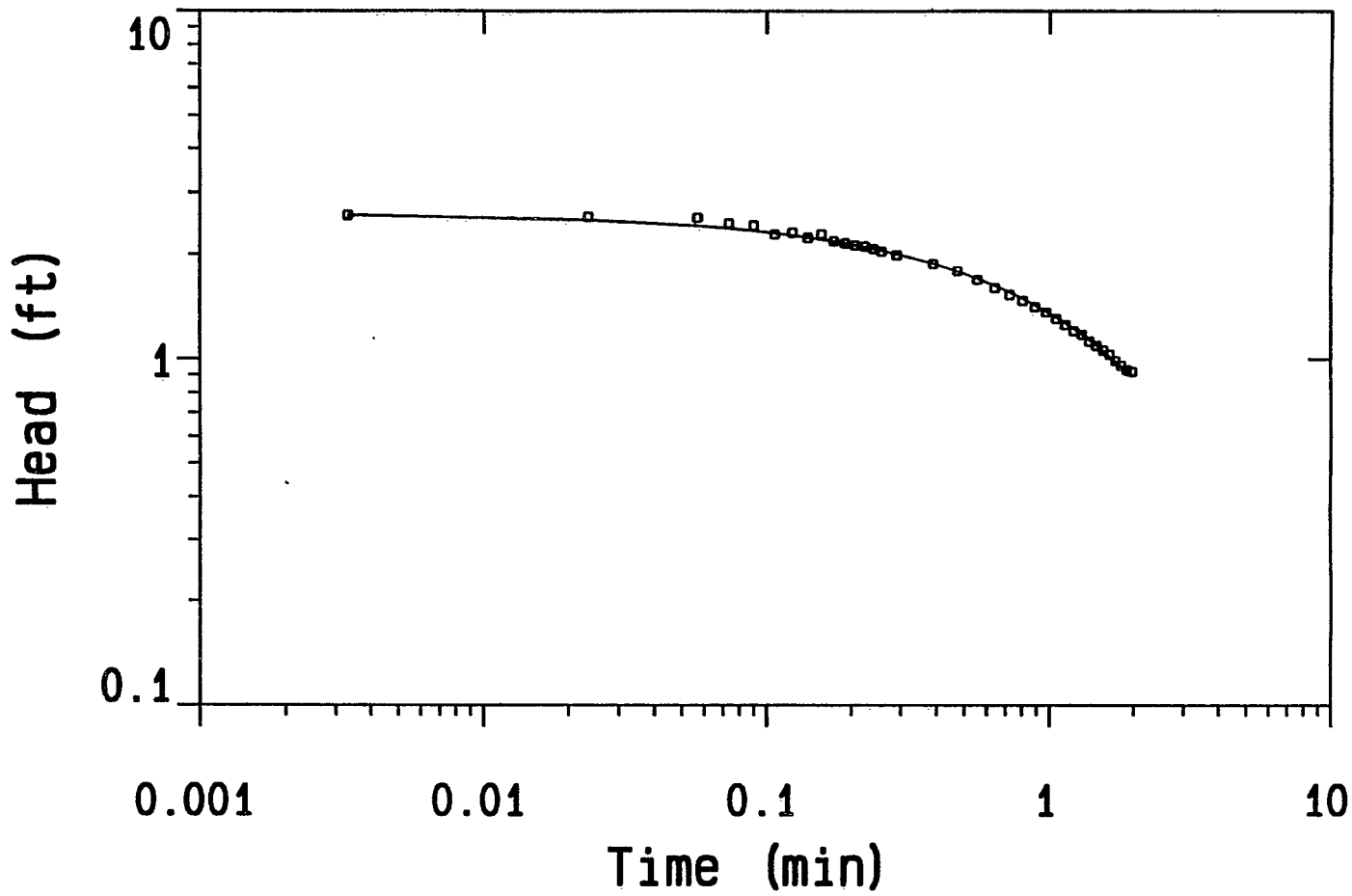

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 8.779 sq. ft/day STORATIVITY: .006086 INITIAL HEAD: 2.620 ft	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 144.4 base: 154.4 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 70.03 TD: 154.4	SLUG TEST ANALYSIS **Well: MW-15sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT
Data Set: MW-15SB1 Date: 6/26/91		

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 4 1

DATA SET: MW-15SB1

CLIENT:	RI/FS	DATE:	6/26/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-15sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	154.44 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	70.030 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	144.440 ft	SCREEN BASE:	154.44 ft
INITIAL HEAD:	2.620 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 1.680 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0060861 FREE

TRANSMISSIVITY: 8.77899 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.58	2.58	-0.0704
2	0.0233	2.55	2.49	2.05
3	0.0566	2.53	2.40	4.92
4	0.0733	2.44	2.36	3.01
5	0.0899	2.41	2.33	3.29
6	0.106	2.28	2.29	-0.733
7	0.123	2.30	2.26	1.53
8	0.139	2.23	2.23	-0.197
9	0.156	2.28	2.20	3.27
10	0.173	2.18	2.17	0.127
11	0.189	2.15	2.15	-0.0186
12	0.206	2.12	2.12	-0.204
13	0.223	2.11	2.09	0.517
14	0.239	2.07	2.07	-0.226
15	0.256	2.04	2.05	-0.532
16	0.289	1.99	2.00	-0.765
17	0.390	1.88	1.88	-0.0351
18	0.473	1.79	1.78	0.0810
19	0.556	1.69	1.70	-0.872
20	0.640	1.60	1.62	-1.73
21	0.723	1.53	1.55	-1.74

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 848

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.806	1.47	1.49	-1.42
23	0.890	1.41	1.42	-1.38
24	0.973	1.36	1.37	-0.888
25	1.05	1.30	1.31	-1.40
26	1.14	1.25	1.26	-1.42
27	1.22	1.20	1.22	-1.68
28	1.30	1.17	1.17	-0.476
29	1.38	1.12	1.13	-1.15
30	1.47	1.09	1.09	-0.234
31	1.55	1.06	1.05	0.533
32	1.64	1.03	1.01	1.29
33	1.72	0.990	0.983	0.628
34	1.80	0.960	0.952	0.779
35	1.89	0.930	0.919	1.15
36	1.97	0.920	0.891	3.13

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.99	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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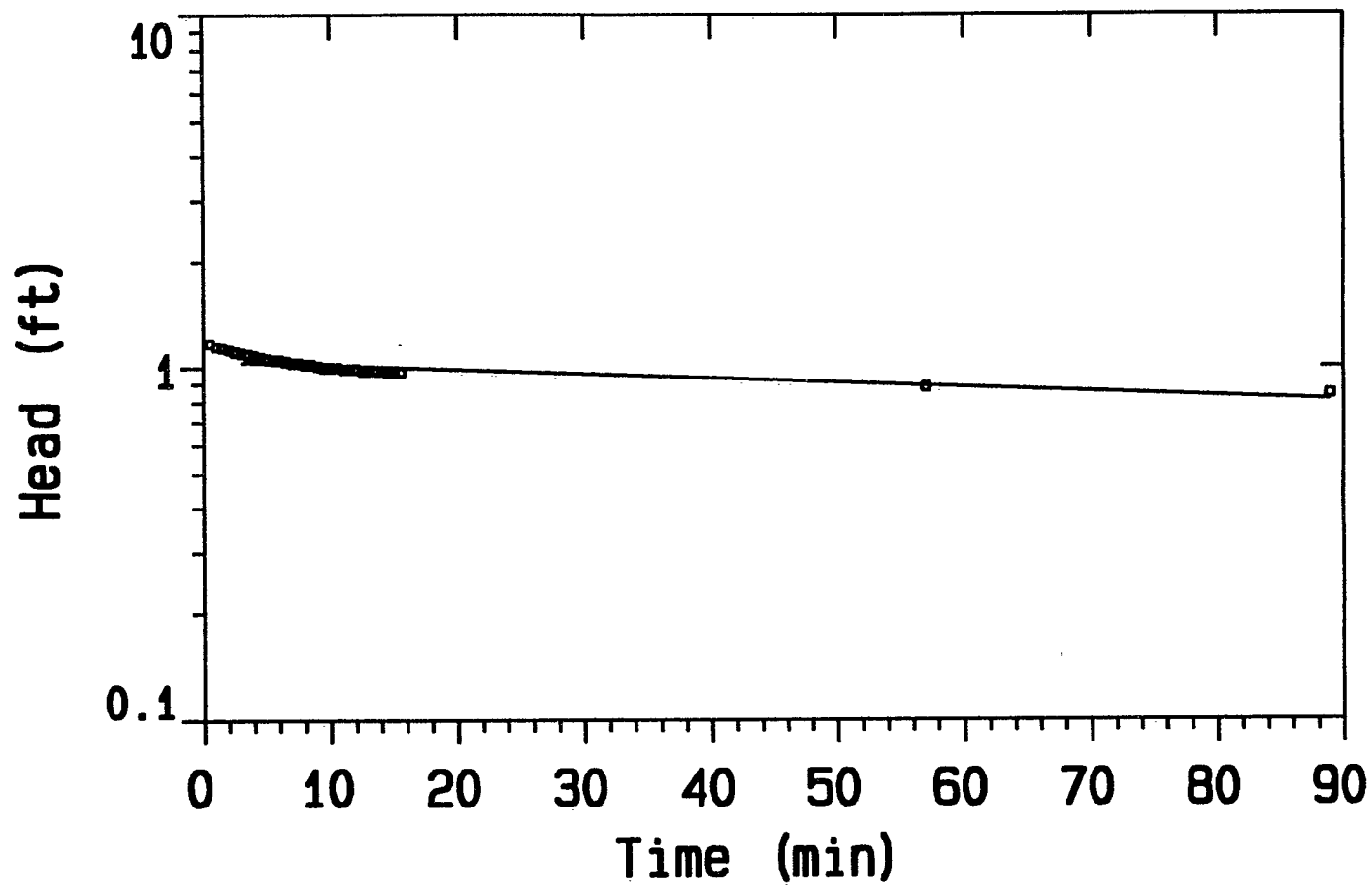

MODEL TYPE: BOUWER and RICE	for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .008472 ft/day	by: Fuss & O'Neill, Inc.	Well: MW-16t
TRANSMISSIVITY: .3011 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.380 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MW-16T1 / Date: 6/25/91	THICKNESS: 35.54	
	SCREEN: top: 19.74 base: 29.74	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 12.46 TD: 29.74	

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LIN002 850

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-16T1

CLIENT:	RI/FS	DATE:	6/25/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-16t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	29.74 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	12.460 ft
AQUIFER:	TILL	THICKNESS:	35.54 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	19.740 ft	SCREEN BASE:	29.74 ft
INITIAL HEAD:	1.380 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.30110square ft/day

CONDUCTIVITY: 0.00847 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	1.17		
2	1.00	1.15		
3	1.50	1.14		
4	2.00	1.13		
5	2.50	1.11		
6	3.00	1.10	1.03	5.80
7	3.50	1.09	1.03	5.08
8	4.00	1.08	1.03	4.33
9	4.50	1.07	1.03	3.58
10	5.00	1.06	1.03	2.81
11	5.50	1.05	1.02	2.02
12	6.00	1.05	1.02	2.16
13	6.50	1.04	1.02	1.36
14	7.00	1.03	1.02	0.554
15	7.50	1.03	1.02	0.697
16	8.00	1.02	1.02	-0.132
17	8.50	1.02	1.01	0.0112
18	9.00	1.01	1.01	-0.834
19	9.50	1.00	1.01	-1.69
20	10.00	1.00	1.01	-1.55
21	10.50	1.00	1.01	-1.40
22	11.00	0.990	1.01	-2.28
23	11.50	0.990	1.01	-2.13

* Fuss & O'Neill, Inc. *

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ADMINISTRATIVE RECORD

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	12.00	0.990	1.00	-1.98
25	12.50	0.980	1.00	-2.88
26	13.00	0.980	1.00	-2.73
27	13.50	0.980	1.00	-2.58
28	14.00	0.980	1.00	-2.44
29	14.50	0.970	1.00	-3.34
30	15.00	0.970	1.00	-3.20
31	15.50	0.970	0.999	-3.05
32	57.00	0.880	0.887	-0.842
33	89.00	0.840	0.809	3.62

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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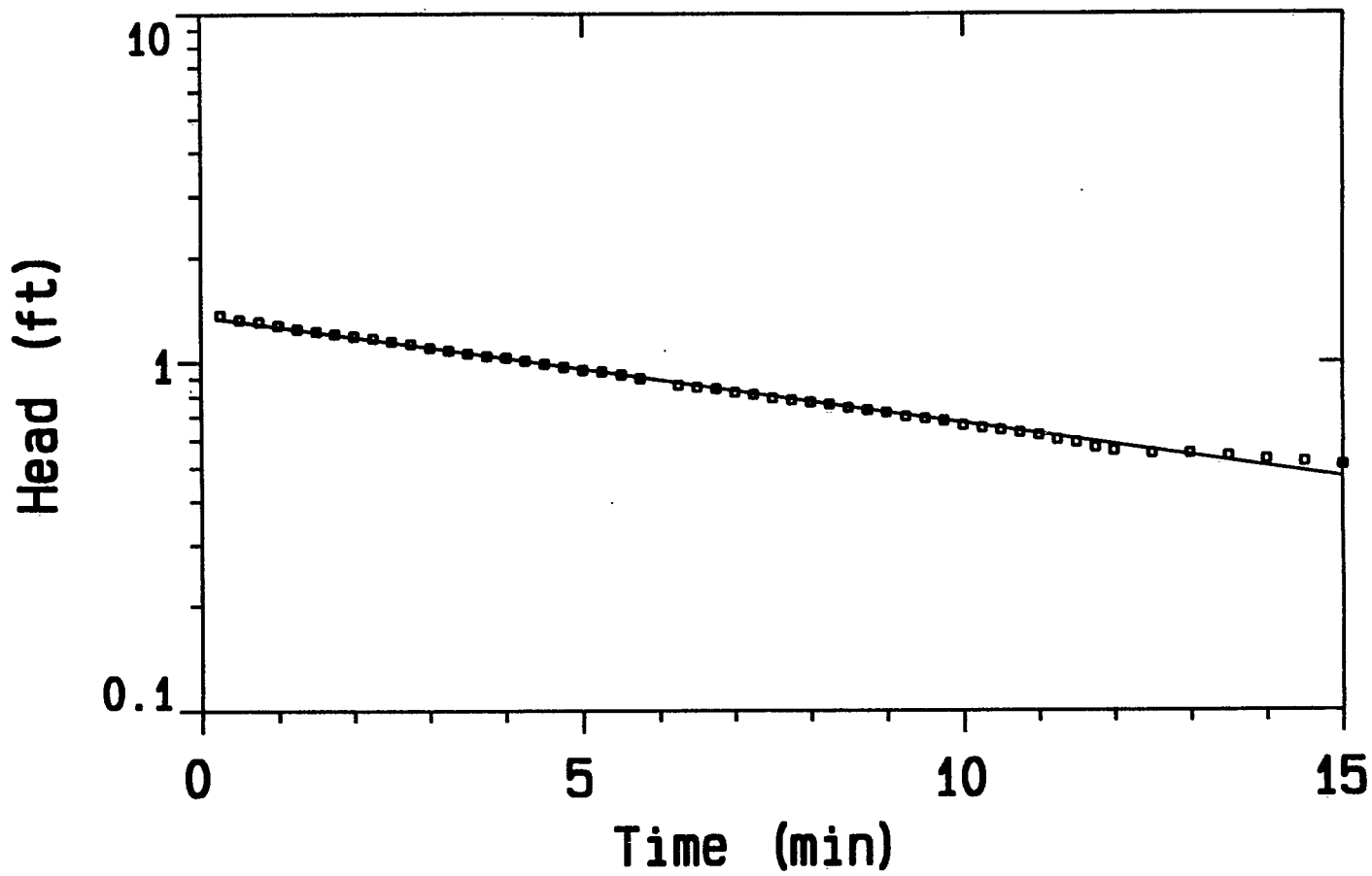

MODEL TYPE: BOUWER and RICE	for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .09196 ft/day	by: Fuss & O'Neill, Inc.	Well: MW-17ts
TRANSMISSIVITY: 3.839 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.370 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MW-17TS1 / Date: 6/28/91	THICKNESS: 41.75	
	SCREEN: top: 9.790 base: 19.79	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 8.250 TD: 19.79	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-17TS1

CLIENT:	RI/FS	DATE:	6/28/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-17ts
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	19.79 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	8.250 ft
AQUIFER:	TILL	THICKNESS:	41.75 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	9.790 ft	SCREEN BASE:	19.79 ft
INITIAL HEAD:	1.370 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 3.83950square ft/day

CONDUCTIVITY: 0.09196 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.250	1.37	1.33	2.50
2	0.500	1.33	1.31	1.32
3	0.750	1.31	1.28	1.57
4	1.00	1.28	1.26	1.02
5	1.25	1.25	1.24	0.423
6	1.50	1.23	1.22	0.573
7	1.75	1.21	1.20	0.696
8	2.00	1.19	1.18	0.793
9	2.25	1.17	1.15	0.861
10	2.50	1.15	1.13	0.901
11	2.75	1.13	1.11	0.910
12	3.00	1.10	1.10	-0.0124
13	3.25	1.08	1.08	-0.0834
14	3.50	1.06	1.06	-0.188
15	3.75	1.04	1.04	-0.330
16	4.00	1.03	1.02	0.466
17	4.25	1.01	1.00	0.270
18	4.50	0.990	0.989	0.0346
19	4.75	0.970	0.972	-0.242
20	5.00	0.950	0.955	-0.563
21	5.25	0.940	0.938	0.143
22	5.50	0.920	0.922	-0.243
23	5.75	0.900	0.906	-0.679

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 854

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	6.25	0.860	0.874	-1.71
25	6.50	0.850	0.859	-1.10
26	6.75	0.840	0.844	-0.522
27	7.00	0.820	0.829	-1.17
28	7.25	0.810	0.815	-0.632
29	7.50	0.790	0.800	-1.37
30	7.75	0.780	0.786	-0.880
31	8.00	0.770	0.773	-0.403
32	8.25	0.760	0.759	0.0538
33	8.50	0.740	0.746	-0.852
34	8.75	0.730	0.733	-0.446
35	9.00	0.720	0.720	-0.0614
36	9.25	0.700	0.707	-1.12
37	9.50	0.690	0.695	-0.792
38	9.75	0.680	0.683	-0.486
39	10.00	0.660	0.671	-1.72
40	10.25	0.650	0.659	-1.48
41	10.50	0.640	0.648	-1.26
42	10.75	0.630	0.636	-1.07
43	11.00	0.620	0.625	-0.907
44	11.25	0.600	0.614	-2.44
45	11.50	0.590	0.603	-2.36
46	11.75	0.570	0.593	-4.10
47	12.00	0.560	0.583	-4.10
48	12.50	0.550	0.562	-2.32
49	13.00	0.550	0.543	1.21
50	13.50	0.540	0.524	2.87
51	14.00	0.530	0.506	4.47
52	14.50	0.520	0.488	6.01
53	15.00	0.510	0.471	7.49

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

* Fuss & O'Neill, Inc. *

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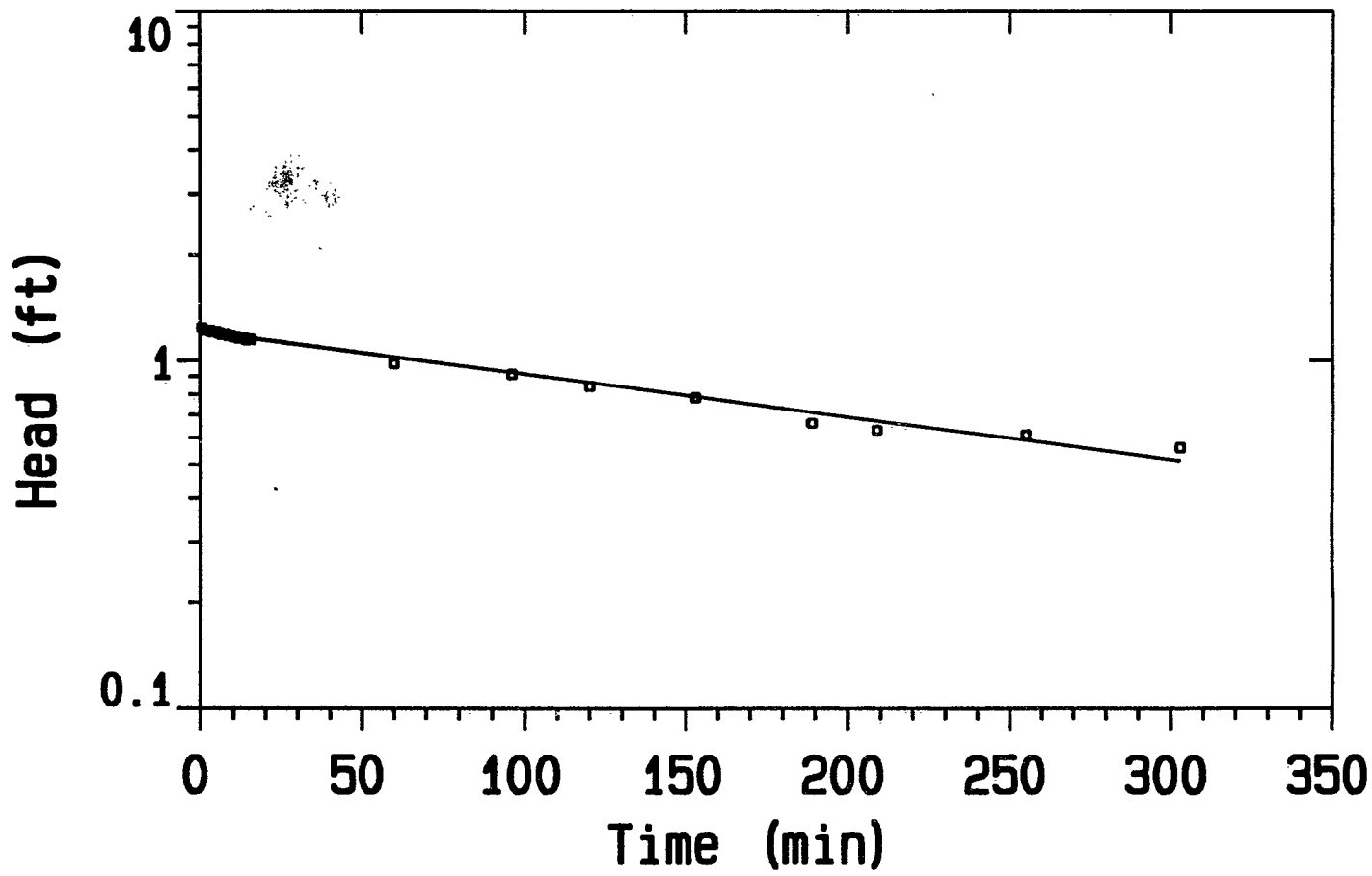

MODEL TYPE: BOUWER and RICE		for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .005120 ft/day		by: Fuss & O'Neill, Inc.	Well: MW-17td
TRANSMISSIVITY: .1812 sq. ft/day		WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 35.39	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.380 ft		SCREEN: top: 32.46 base: 42.46 DIAMETER: casing: .1780 intake: .6460	WOODSTOCK, CONNECTICUT
Data Set: MW-17TD	Date: 6/25/91	DEPTH: Water Table: 14.61 TD: 42.46	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-17TD

CLIENT:	RI/FS	DATE:	6/25/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-17td
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	42.46 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	14.610 ft
AQUIFER:	TILL	THICKNESS:	35.39 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	32.460 ft	SCREEN BASE:	42.46 ft
INITIAL HEAD:	1.380 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.18122square ft/day

CONDUCTIVITY: 0.00512 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	1.24	1.20	2.55
2	1.00	1.23	1.20	1.90
3	1.50	1.22	1.20	1.23
4	2.00	1.22	1.20	1.37
5	2.50	1.22	1.20	1.51
6	3.00	1.22	1.19	1.65
7	3.50	1.21	1.19	0.983
8	4.00	1.21	1.19	1.12
9	4.50	1.21	1.19	1.26
10	5.00	1.21	1.19	1.40
11	5.50	1.20	1.19	0.721
12	6.00	1.20	1.18	0.861
13	6.50	1.19	1.18	0.169
14	7.00	1.19	1.18	0.310
15	7.50	1.19	1.18	0.451
16	8.00	1.19	1.18	0.591
17	8.50	1.18	1.18	-0.109
18	9.00	1.18	1.17	0.0321
19	9.50	1.18	1.17	0.173
20	10.00	1.17	1.17	-0.537
21	10.50	1.17	1.17	-0.395
22	11.00	1.17	1.17	-0.254
23	11.50	1.16	1.17	-0.975

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	12.00	1.16	1.16	-0.833
25	12.50	1.16	1.16	-0.690
26	13.00	1.16	1.16	-0.548
27	13.50	1.16	1.16	-0.406
28	14.00	1.15	1.16	-1.13
29	14.50	1.15	1.16	-0.993
30	15.00	1.15	1.15	-0.851
31	15.50	1.15	1.15	-0.709
32	60.00	0.980	1.02	-4.21
33	96.00	0.910	0.922	-1.37
34	120.0	0.840	0.862	-2.62
35	153.0	0.780	0.785	-0.679
36	189.0	0.660	0.709	-7.47
37	209.0	0.630	0.670	-6.40
38	255.0	0.610	0.588	3.49
39	303.0	0.560	0.514	8.21

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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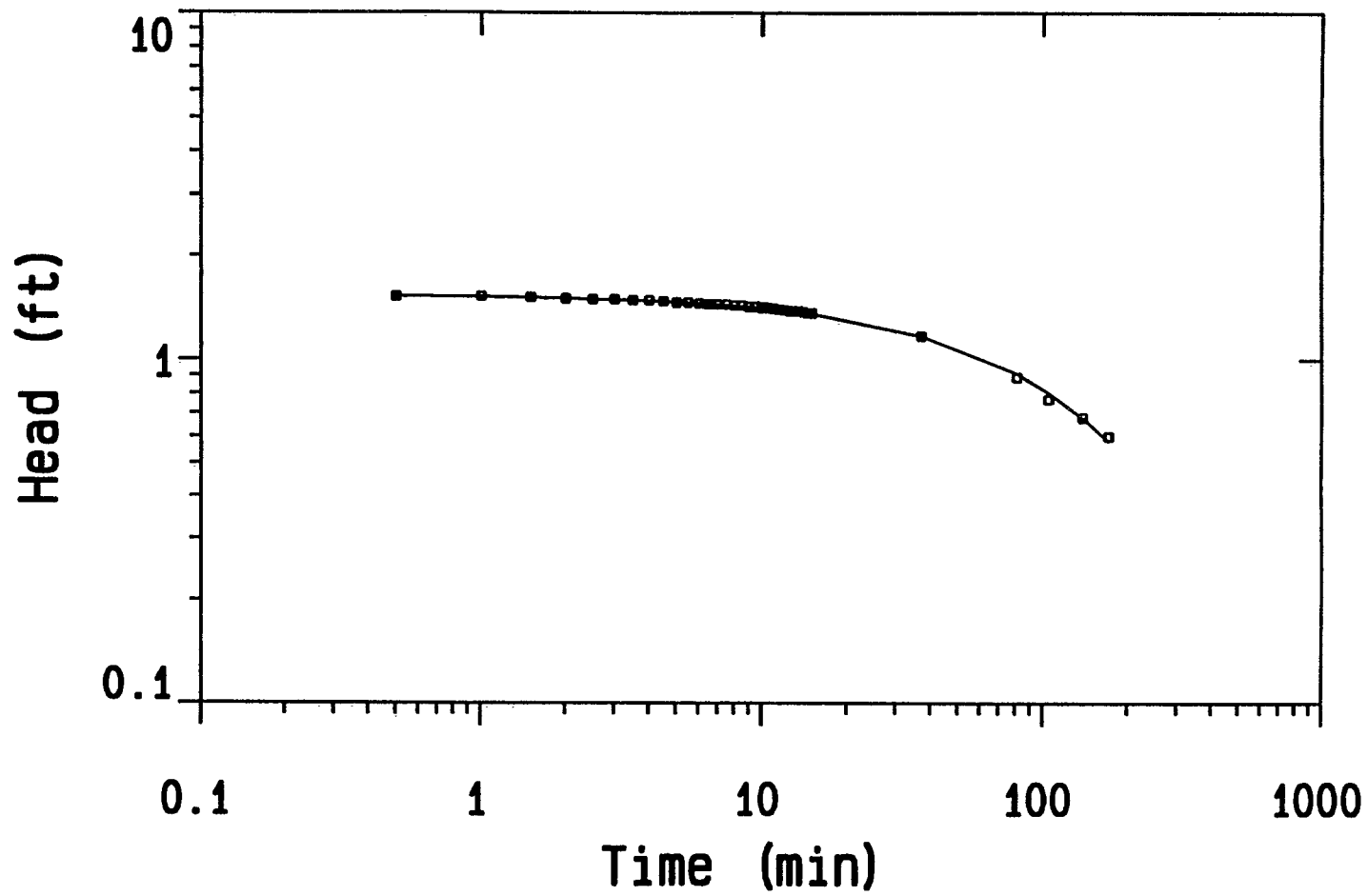

MODEL TYPE: COOPER et al. TRANSMISSIVITY: .1405 sq. ft/day STORATIVITY: .0003232 INITIAL HEAD: 1.540 ft Data Set: MW-17SB1 — Date: 6/25/91	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: SHALLOW BEDROCK THICKNESS: 25.00 SCREEN: top: 58.27 base: 68.27 DIAMETER: casing: .1780 intake: .2480 DEPTH: Water Table: 24.72 TD: 68.27	SLUG TEST ANALYSIS **Well: MW-17sb** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-17SB1

CLIENT:	RI/FS	DATE:	6/25/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-17sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	68.27 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	24.720 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	58.270 ft	SCREEN BASE:	68.27 ft
INITIAL HEAD:	1.540 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 1.111 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0003232 FREE

TRANSMISSIVITY: 0.14051 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	1.52	1.52	-0.298
2	1.00	1.52	1.51	0.151
3	1.50	1.51	1.50	0.0693
4	2.00	1.50	1.49	0.0299
5	2.50	1.49	1.49	-0.143
6	3.00	1.49	1.48	0.258
7	3.50	1.48	1.48	-0.0251
8	4.00	1.48	1.47	0.380
9	4.50	1.47	1.46	0.122
10	5.00	1.46	1.46	-0.130
11	5.50	1.46	1.45	0.304
12	6.00	1.45	1.44	0.0565
13	6.50	1.44	1.44	-0.197
14	7.00	1.44	1.43	0.237
15	7.50	1.44	1.43	0.663
16	8.00	1.43	1.42	0.384
17	8.50	1.43	1.41	0.786
18	9.00	1.42	1.41	0.478
19	9.50	1.42	1.40	0.856
20	10.00	1.41	1.40	0.523
21	10.50	1.41	1.39	0.884

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LIN002 0589

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	11.00	1.40	1.39	0.532
23	11.50	1.39	1.38	0.312
24	12.00	1.39	1.38	0.516
25	12.50	1.38	1.37	0.141
26	13.00	1.38	1.37	0.486
27	13.50	1.38	1.36	0.829
28	14.00	1.37	1.36	0.449
29	14.50	1.36	1.35	0.0621
30	15.00	1.36	1.35	0.405
31	37.00	1.17	1.17	-0.105
32	81.00	0.890	0.912	-2.54
33	105.0	0.770	0.804	-4.42
34	139.0	0.680	0.677	0.315
35	172.0	0.600	0.579	3.36

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.98	
T	0.00	1.00

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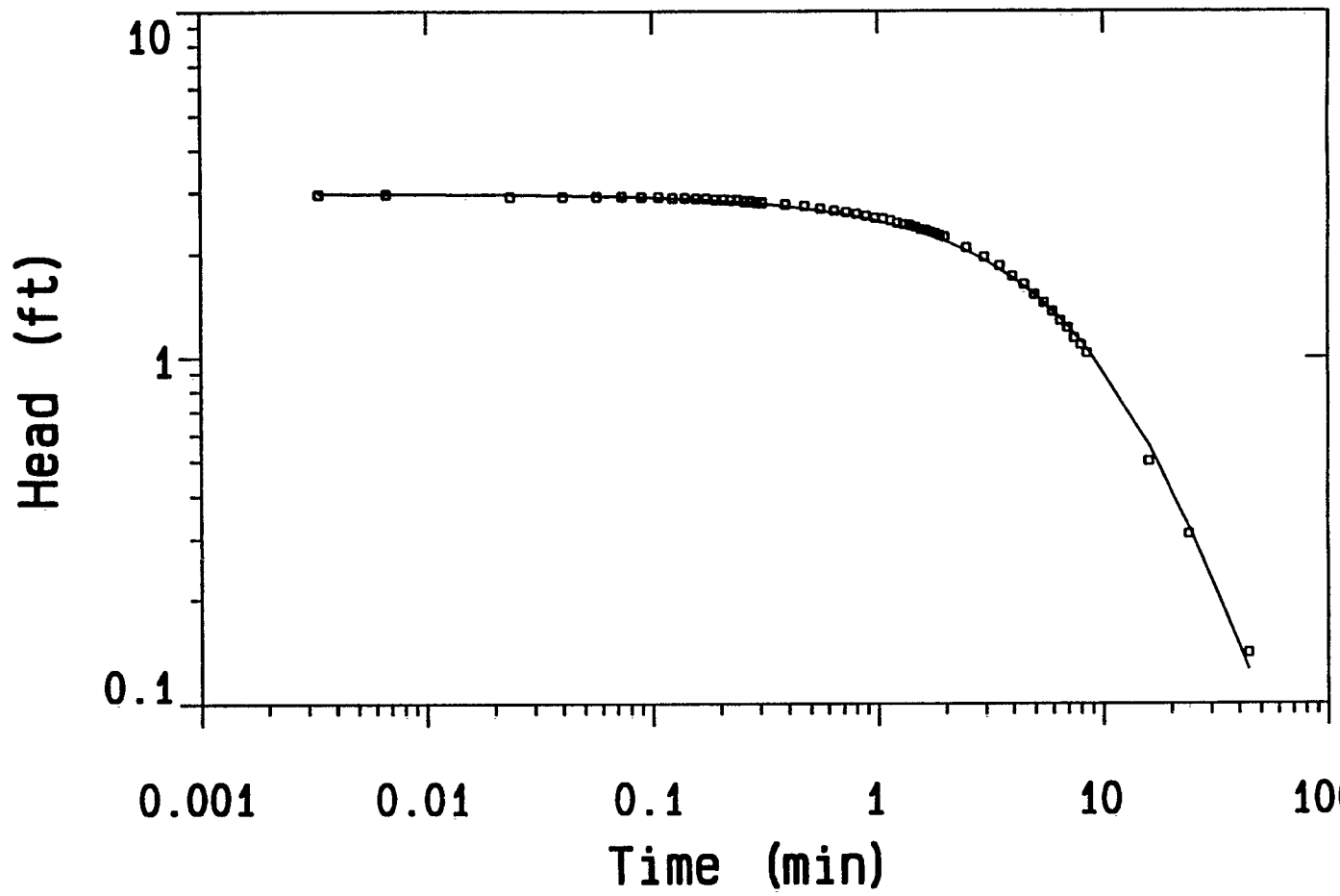

MODEL TYPE: COOPER et al. TRANSMISSIVITY: 21.65 sq. ft/day STORATIVITY: .001414 INITIAL HEAD: 2.980 ft	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: DEEP BEDROCK THICKNESS: 340.0 SCREEN: top: 60.00 base: 400.0 DIAMETER: casing: .5000 intake: .5000 DEPTH: Water Table: 78.82 TD: 400.0	SLUG TEST ANALYSIS Well: MW-17db LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT
Data Set: MW-17DB2 Date: 7/11/91		

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LINEMASTER SWITCH
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LIN002 298

DATA SET: MW-17DB2

CLIENT:	RI/FS	DATE:	7/11/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-17db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	400.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	78.820 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	340.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	60.000 ft	SCREEN BASE:	400.00 ft
INITIAL HEAD:	2.980 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 2.726 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.:	0.0014141	FREE
TRANSMISSIVITY:	21.65551 square ft/day	FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00333	2.96	2.97	-0.421
2	0.00663	2.96	2.96	-0.239
3	0.0233	2.91	2.94	-1.35
4	0.0399	2.91	2.93	-0.795
5	0.0566	2.91	2.92	-0.418
6	0.0733	2.91	2.91	-0.0219
7	0.0899	2.90	2.89	0.0466
8	0.106	2.90	2.88	0.458
9	0.123	2.88	2.87	0.166
10	0.139	2.88	2.86	0.538
11	0.156	2.87	2.85	0.541
12	0.173	2.87	2.84	0.868
13	0.189	2.85	2.83	0.486
14	0.206	2.85	2.82	0.793
15	0.223	2.84	2.81	0.749
16	0.239	2.84	2.81	1.05
17	0.256	2.82	2.80	0.658
18	0.273	2.82	2.79	0.963
19	0.289	2.80	2.78	0.561
20	0.306	2.80	2.77	0.866
21	0.390	2.77	2.73	1.30

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.473	2.74	2.69	1.67
23	0.556	2.69	2.65	1.25
24	0.640	2.66	2.62	1.47
25	0.723	2.63	2.58	1.63
26	0.806	2.60	2.55	1.74
27	0.890	2.57	2.52	1.82
28	0.973	2.53	2.49	1.49
29	1.05	2.52	2.46	2.29
30	1.14	2.49	2.43	2.30
31	1.22	2.45	2.40	1.89
32	1.30	2.42	2.37	1.84
33	1.38	2.41	2.34	2.58
34	1.47	2.38	2.32	2.50
35	1.55	2.34	2.29	1.97
36	1.64	2.33	2.26	2.67
37	1.72	2.30	2.24	2.51
38	1.80	2.28	2.21	2.76
39	1.89	2.25	2.19	2.56
40	1.97	2.23	2.16	2.76
41	2.47	2.07	2.03	1.78
42	2.97	1.95	1.91	1.96
43	3.47	1.84	1.80	2.08
44	3.97	1.72	1.70	1.14
45	4.47	1.63	1.60	1.41
46	4.97	1.52	1.52	-0.0375
47	5.47	1.44	1.44	-0.0309
48	5.97	1.36	1.36	-0.433
49	6.47	1.28	1.29	-1.29
50	6.97	1.22	1.23	-0.976
51	7.47	1.14	1.17	-2.77
52	7.97	1.09	1.11	-2.32
53	8.47	1.03	1.06	-3.17
54	15.97	0.500	0.559	-11.88
55	23.97	0.310	0.323	-4.29
56	43.97	0.140	0.125	10.38

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ADMINISTRATIVE RECORD

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PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.99	
T	0.00	1.00

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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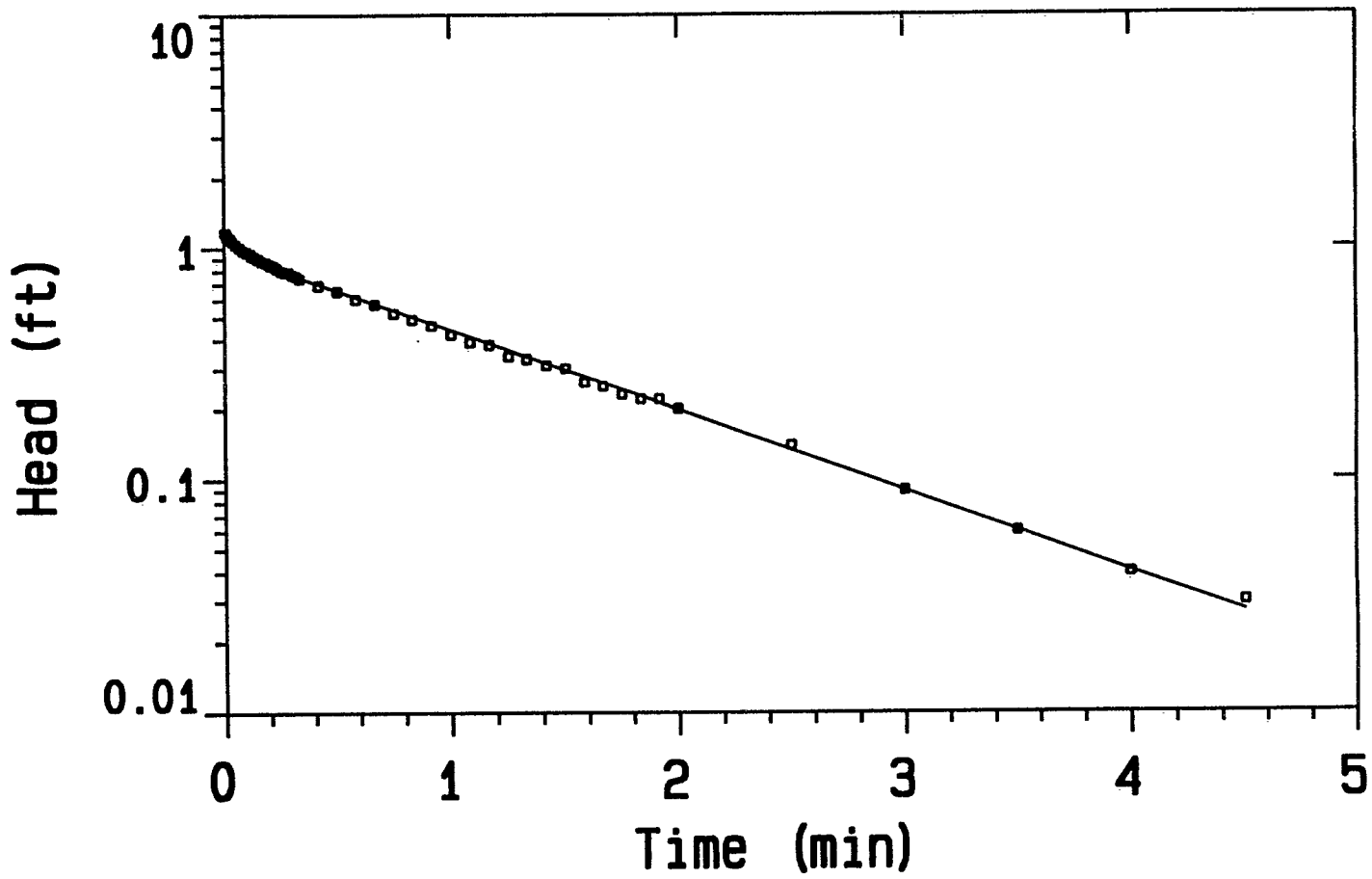

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: 1.089 ft/day TRANSMISSIVITY: 25.03 sq. ft/day INITIAL HEAD: 1.170 ft Data Set: MW-18T2 — **Date: 6/5/91**	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 22.98 SCREEN: top: 4.590 base: 14.59 DIAMETER: casing: .1780 intake: .6460 DEPTH: Water Table: 4.020 TD: 14.59	**SLUG TEST ANALYSIS** **Well: MW-18t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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LIN002 998

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-18T2

CLIENT:	RI/FS	DATE:	6/5/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-18t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	14.59 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	4.020 ft
AQUIFER:	TILL	THICKNESS:	22.98 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	4.590 ft	SCREEN BASE:	14.59 ft
INITIAL HEAD:	1.170 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 25.03172square ft/day

CONDUCTIVITY: 1.08928 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	1.17		
2	0.00660	1.17		
3	0.00990	1.15		
4	0.0133	1.12		
5	0.0166	1.12		
6	0.0200	1.11		
7	0.0233	1.11		
8	0.0266	1.09		
9	0.0300	1.09		
10	0.0333	1.07		
11	0.0500	1.04		
12	0.0666	1.01		
13	0.0833	0.980		
14	0.100	0.960	0.900	6.17
15	0.116	0.950	0.888	6.43
16	0.133	0.920	0.877	4.65
17	0.150	0.900	0.865	3.82
18	0.166	0.880	0.854	2.92
19	0.183	0.870	0.842	3.10
20	0.200	0.850	0.831	2.13
21	0.216	0.840	0.820	2.27
22	0.233	0.820	0.810	1.20
23	0.250	0.800	0.799	0.0745

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8571

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	0.266	0.790	0.788	0.136
25	0.283	0.790	0.778	1.45
26	0.300	0.770	0.768	0.229
27	0.316	0.760	0.758	0.242
28	0.333	0.740	0.748	-1.10
29	0.416	0.690	0.700	-1.46
30	0.500	0.650	0.655	-0.806
31	0.583	0.600	0.613	-2.20
32	0.666	0.570	0.573	-0.679
33	0.750	0.520	0.537	-3.28
34	0.833	0.490	0.502	-2.58
35	0.916	0.460	0.470	-2.25
36	1.00	0.420	0.440	-4.81
37	1.08	0.390	0.412	-5.64
38	1.16	0.380	0.385	-1.46
39	1.25	0.340	0.360	-6.12
40	1.33	0.330	0.338	-2.60
41	1.41	0.310	0.316	-1.95
42	1.50	0.300	0.295	1.41
43	1.58	0.260	0.276	-6.46
44	1.66	0.250	0.259	-3.61
45	1.75	0.230	0.242	-5.40
46	1.83	0.220	0.226	-3.13
47	1.91	0.220	0.212	3.48
48	2.00	0.200	0.198	0.643
49	2.50	0.140	0.133	4.63
50	3.00	0.0900	0.0897	0.337
51	3.50	0.0600	0.0602	-0.438
52	4.00	0.0400	0.0404	-1.21
53	4.50	0.0300	0.0272	9.32

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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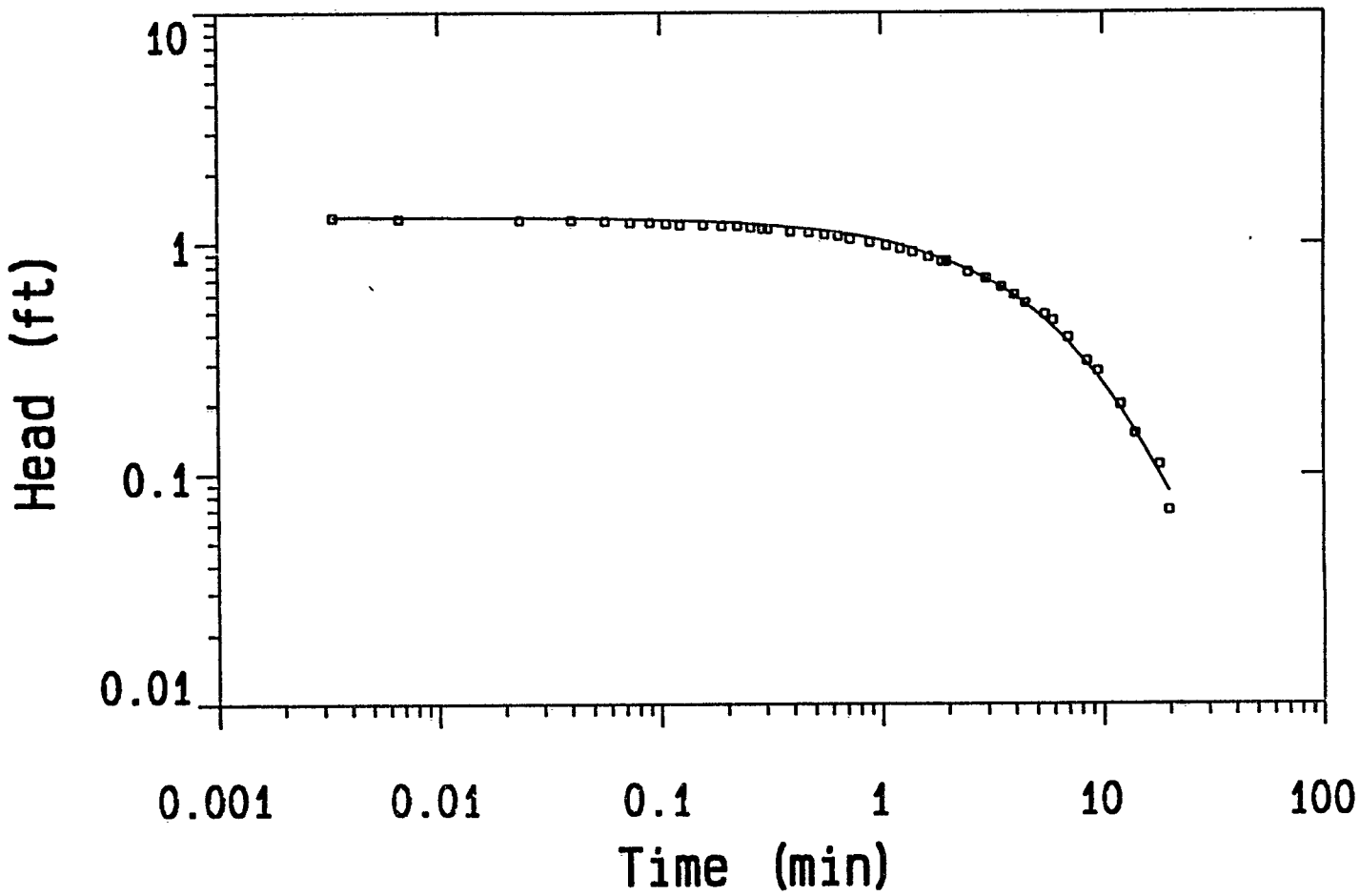
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 858



MODEL TYPE: COOPER et al.	for: RI/FS	SLUG TEST ANALYSIS
TRANSMISSIVITY: 5.311 sq. ft/day	by: Fuss & O'Neill, Inc.	Well: MW-18sb
STORATIVITY: .0001215	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.310 ft	AQUIFER: SHALLOW BEDROCK	WOODSTOCK, CONNECTICUT
Data Set: MW-18SB1 / Date: 6/05/91	THICKNESS: 25.00	
	SCREEN: top: 35.23 base: 45.23	
	DIAMETER: casing: .1780 intake: .2480	
	DEPTH: Water Table: 4.790 TD: 45.23	

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LIN002 698

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-18SB1

CLIENT:	RI/FS	DATE:	6/05/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-18sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	45.23 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	4.790 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	35.230 ft	SCREEN BASE:	45.23 ft
INITIAL HEAD:	1.310 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 4.880 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0001215 FREE

TRANSMISSIVITY: 5.31138 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	1.30	1.31	-0.848
2	0.00660	1.28	1.30	-1.85
3	0.0233	1.26	1.29	-2.75
4	0.0399	1.26	1.29	-2.58
5	0.0566	1.25	1.28	-2.85
6	0.0733	1.23	1.27	-3.73
7	0.0899	1.23	1.26	-3.04
8	0.106	1.22	1.26	-3.41
9	0.123	1.20	1.25	-4.78
10	0.156	1.20	1.24	-4.08
11	0.189	1.19	1.23	-4.11
12	0.223	1.19	1.22	-3.18
13	0.256	1.17	1.21	-3.95
14	0.289	1.15	1.20	-4.74
15	0.306	1.15	1.19	-4.24
16	0.390	1.12	1.17	-4.74
17	0.473	1.11	1.15	-3.77
18	0.556	1.09	1.13	-3.87
19	0.640	1.07	1.11	-3.99
20	0.723	1.04	1.09	-5.12
21	0.890	1.01	1.05	-4.43

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 0170

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	1.05	0.980	1.01	-3.79
23	1.22	0.950	0.981	-3.28
24	1.38	0.920	0.947	-2.99
25	1.64	0.880	0.901	-2.46
26	1.89	0.840	0.860	-2.42
27	1.97	0.840	0.847	-0.870
28	2.47	0.760	0.774	-1.88
29	2.97	0.710	0.708	0.157
30	3.47	0.650	0.649	0.0117
31	3.97	0.600	0.596	0.555
32	4.47	0.550	0.548	0.249
33	5.47	0.490	0.466	4.81
34	5.97	0.460	0.431	6.23
35	6.97	0.390	0.371	4.79
36	8.47	0.310	0.300	2.95
37	9.47	0.280	0.263	6.05
38	11.97	0.200	0.192	3.89
39	13.97	0.150	0.152	-1.80
40	17.97	0.110	0.101	8.11
41	19.97	0.0700	0.0847	-21.10

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	0.96	
T	0.00	1.00

S T

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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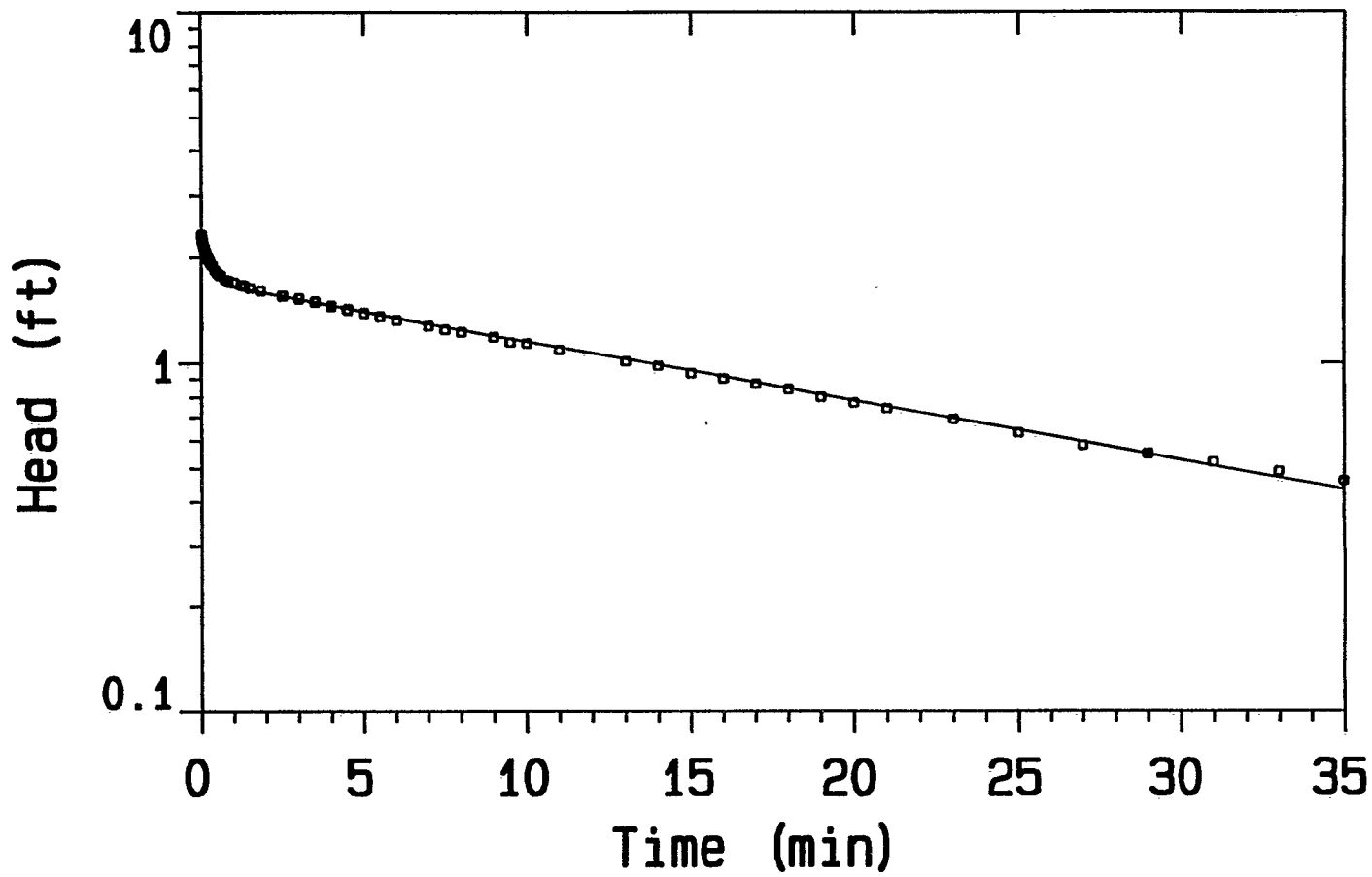

MODEL TYPE: BOUWER and RICE	for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .07606 ft/day	by: Fuss & O'Neill, Inc.	Well: MW-19sb
TRANSMISSIVITY: 1.901 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 2.400 ft	AQUIFER: SHALLOW BEDROCK	WOODSTOCK, CONNECTICUT
Data Set: MW-19SB1 / Date: 6/28/91	THICKNESS: 25.00	
	SCREEN: top: 9.220 base: 19.22	
	DIAMETER: casing: .1780 intake: .2480	
	DEPTH: Water Table: 12.61 TD: 19.22	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 1 2

DATA SET: MW-19SB1

CLIENT:	RI/FS	DATE:	6/28/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-19sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	19.22 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	12.610 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	9.220 ft	SCREEN BASE:	19.22 ft
INITIAL HEAD:	2.400 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 1.90156square ft/day

CONDUCTIVITY: 0.07606 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.31		
2	0.0100	2.30		
3	0.0166	2.26		
4	0.0233	2.23		
5	0.0400	2.22		
6	0.0566	2.17		
7	0.0733	2.14		
8	0.0900	2.12		
9	0.106	2.09		
10	0.123	2.07		
11	0.140	2.06		
12	0.156	2.04		
13	0.190	2.01		
14	0.206	1.99		
15	0.240	1.96		
16	0.256	1.95		
17	0.273	1.93		
18	0.323	1.90		
19	0.406	1.84		
20	0.490	1.80		
21	0.573	1.77		
22	0.740	1.72	1.65	3.83
23	0.823	1.71	1.64	3.58

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 E13

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	0.990	1.69	1.63	3.07
25	1.24	1.66	1.62	2.28
26	1.32	1.65	1.61	2.00
27	1.49	1.63	1.60	1.44
28	1.82	1.60	1.58	0.898
29	2.49	1.55	1.54	0.327
30	2.99	1.52	1.51	0.323
31	3.49	1.49	1.48	0.281
32	3.99	1.45	1.45	-0.490
33	4.49	1.42	1.42	-0.631
34	4.99	1.39	1.40	-0.817
35	5.49	1.36	1.37	-1.05
36	5.99	1.33	1.34	-1.33
37	6.99	1.28	1.29	-1.26
38	7.49	1.25	1.27	-1.69
39	7.99	1.23	1.24	-1.34
40	8.99	1.19	1.19	-0.747
41	9.49	1.15	1.17	-2.23
42	9.99	1.14	1.15	-1.14
43	10.99	1.09	1.10	-1.73
44	12.99	1.01	1.02	-1.55
45	13.99	0.980	0.986	-0.657
46	14.99	0.930	0.948	-2.01
47	15.99	0.900	0.912	-1.37
48	16.99	0.870	0.877	-0.862
49	17.99	0.840	0.843	-0.467
50	18.99	0.800	0.811	-1.45
51	19.99	0.770	0.780	-1.37
52	20.99	0.740	0.750	-1.44
53	22.99	0.690	0.694	-0.634
54	24.99	0.630	0.642	-1.94
55	26.99	0.580	0.594	-2.42
56	28.99	0.550	0.549	0.0958
57	30.99	0.520	0.508	2.26
58	32.99	0.490	0.470	4.06
59	34.99	0.460	0.434	5.47

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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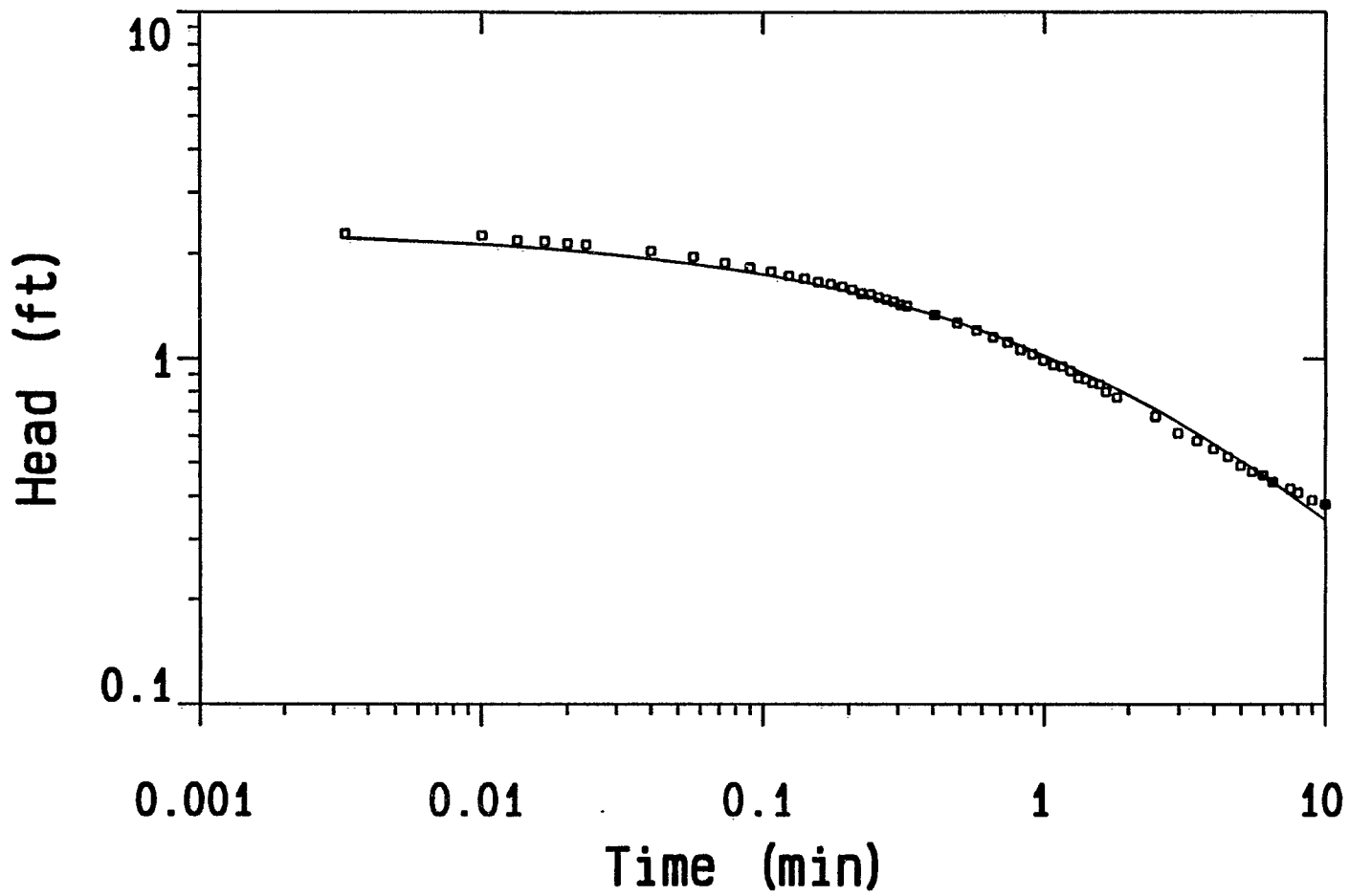
ADMINISTRATIVE RECORD

LIN002 8 7 4



MODEL TYPE: COOPER et al.	for: RI/FS	SLUG TEST ANALYSIS
TRANSMISSIVITY: .7431 sq. ft/day	by: Fuss & O'Neill, Inc.	Well: MW-20sb
STORATIVITY: 1.637	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 2.350 ft	AQUIFER: SHALLOW BEDROCK	WOODSTOCK, CONNECTICUT
Data Set: MW-20SB1 / Date: 6/28/91	THICKNESS: 25.00	
	SCREEN: top: 10.45 base: 20.45	
	DIAMETER: casing: .1780 intake: .2480	
	DEPTH: Water Table: 7.320 TD: 20.45	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 L 5

DATA SET: MW-20SB1

CLIENT:	RI/FS	DATE:	6/28/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-20sb
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	20.45 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	7.320 ft
AQUIFER:	SHALLOW BEDROCK	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.124 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	10.450 ft	SCREEN BASE:	20.45 ft
INITIAL HEAD:	2.350 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 3.718 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 1.6375346 FREE

TRANSMISSIVITY: 0.74315 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	2.28	2.21	2.76
2	0.0100	2.25	2.12	5.53
3	0.0133	2.18	2.09	3.95
4	0.0166	2.17	2.06	4.76
5	0.0200	2.14	2.04	4.59
6	0.0233	2.12	2.01	4.73
7	0.0400	2.03	1.93	4.88
8	0.0566	1.96	1.86	4.90
9	0.0733	1.88	1.80	3.79
10	0.0900	1.82	1.76	3.21
11	0.106	1.77	1.72	2.81
12	0.123	1.72	1.68	2.14
13	0.140	1.69	1.64	2.39
14	0.156	1.65	1.61	1.88
15	0.173	1.63	1.59	2.42
16	0.190	1.60	1.56	2.23
17	0.206	1.57	1.53	1.92
18	0.223	1.53	1.51	0.869
19	0.240	1.52	1.49	1.65
20	0.256	1.49	1.47	1.05
21	0.273	1.47	1.45	1.03

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 1 5

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	0.290	1.45	1.43	0.949
23	0.306	1.42	1.41	0.0943
24	0.323	1.41	1.40	0.583
25	0.406	1.33	1.32	0.240
26	0.490	1.26	1.26	-0.356
27	0.573	1.20	1.21	-0.920
28	0.656	1.15	1.16	-1.23
29	0.740	1.11	1.12	-1.15
30	0.823	1.06	1.08	-2.43
31	0.906	1.03	1.05	-2.14
32	0.990	0.990	1.02	-3.17
33	1.07	0.960	0.993	-3.46
34	1.15	0.950	0.967	-1.82
35	1.24	0.920	0.943	-2.53
36	1.32	0.880	0.921	-4.67
37	1.40	0.870	0.900	-3.45
38	1.49	0.850	0.880	-3.56
39	1.57	0.840	0.861	-2.58
40	1.66	0.800	0.843	-5.44
41	1.82	0.770	0.812	-5.54
42	2.49	0.680	0.710	-4.50
43	2.99	0.610	0.653	-7.14
44	3.49	0.580	0.607	-4.70
45	3.99	0.550	0.568	-3.31
46	4.49	0.520	0.535	-2.89
47	4.99	0.490	0.506	-3.38
48	5.49	0.470	0.481	-2.45
49	5.99	0.460	0.459	0.178
50	6.49	0.440	0.439	0.185
51	7.49	0.420	0.405	3.55
52	7.99	0.410	0.390	4.78
53	8.99	0.390	0.364	6.59
54	9.99	0.380	0.341	10.05

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

* Fuss & O'Neill, Inc. *

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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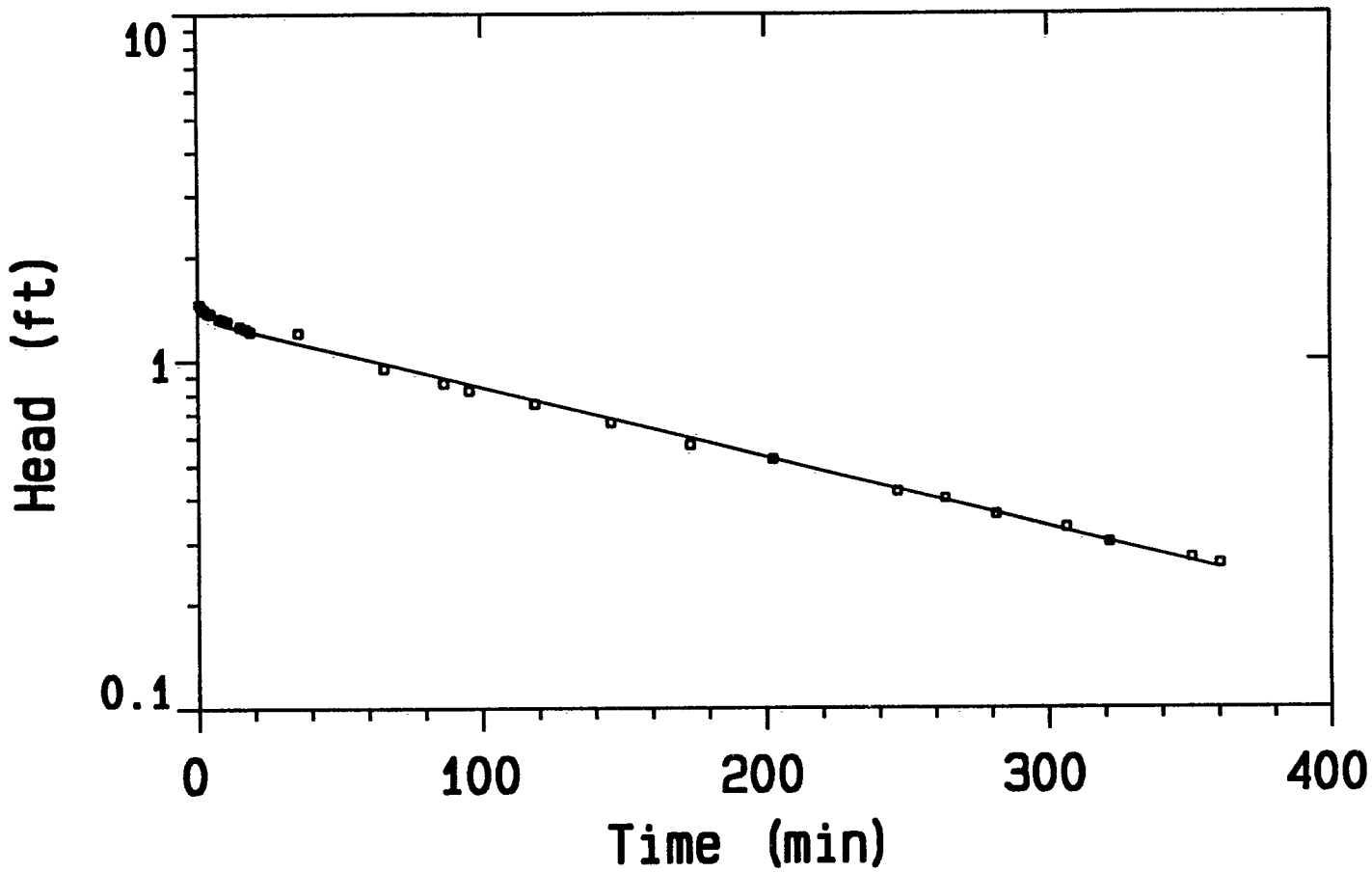

MODEL TYPE: BOUWER and RICE	for: RI/FS	**SLUG TEST ANALYSIS**
CONDUCTIVITY: .006355 ft/day	by: Fuss & O'Neill, Inc.	**Well: MW-23t**
TRANSMISSIVITY: .3640 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.380 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MW-23T1 / Date: 7/9/91	THICKNESS: 57.27	
	SCREEN: top: 15.84 base: 25.84	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 10.73 TD: 25.84	

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LIN002 8 L 8

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MW-23T1

CLIENT:	RI/FS	DATE:	7/9/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-23t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	25.84 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	10.730 ft
AQUIFER:	TILL	THICKNESS:	57.27 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	15.840 ft	SCREEN BASE:	25.84 ft
INITIAL HEAD:	1.380 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.36399square ft/day

CONDUCTIVITY: 0.00636 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	1.46		
2	1.00	1.44		
3	1.50	1.42		
4	2.00	1.41		
5	2.50	1.40		
6	3.00	1.39		
7	3.50	1.38		
8	4.00	1.38		
9	4.50	1.37		
10	7.50	1.33		
11	8.50	1.32		
12	9.50	1.31	1.27	2.95
13	10.50	1.30	1.26	2.65
14	15.00	1.26	1.23	1.63
15	17.00	1.24	1.22	0.961
16	18.50	1.22	1.21	0.0320
17	35.50	1.21	1.12	6.80
18	65.50	0.950	0.982	-3.36
19	86.50	0.860	0.891	-3.65
20	95.50	0.820	0.855	-4.28
21	118.5	0.750	0.769	-2.55
22	145.5	0.660	0.679	-2.89
23	173.5	0.570	0.596	-4.71

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	202.5	0.520	0.522	-0.416
25	246.5	0.420	0.426	-1.49
26	263.5	0.400	0.394	1.45
27	281.5	0.360	0.362	-0.769
28	306.5	0.330	0.323	2.03
29	321.5	0.300	0.301	-0.559
30	350.5	0.270	0.263	2.25
31	360.5	0.260	0.252	3.06

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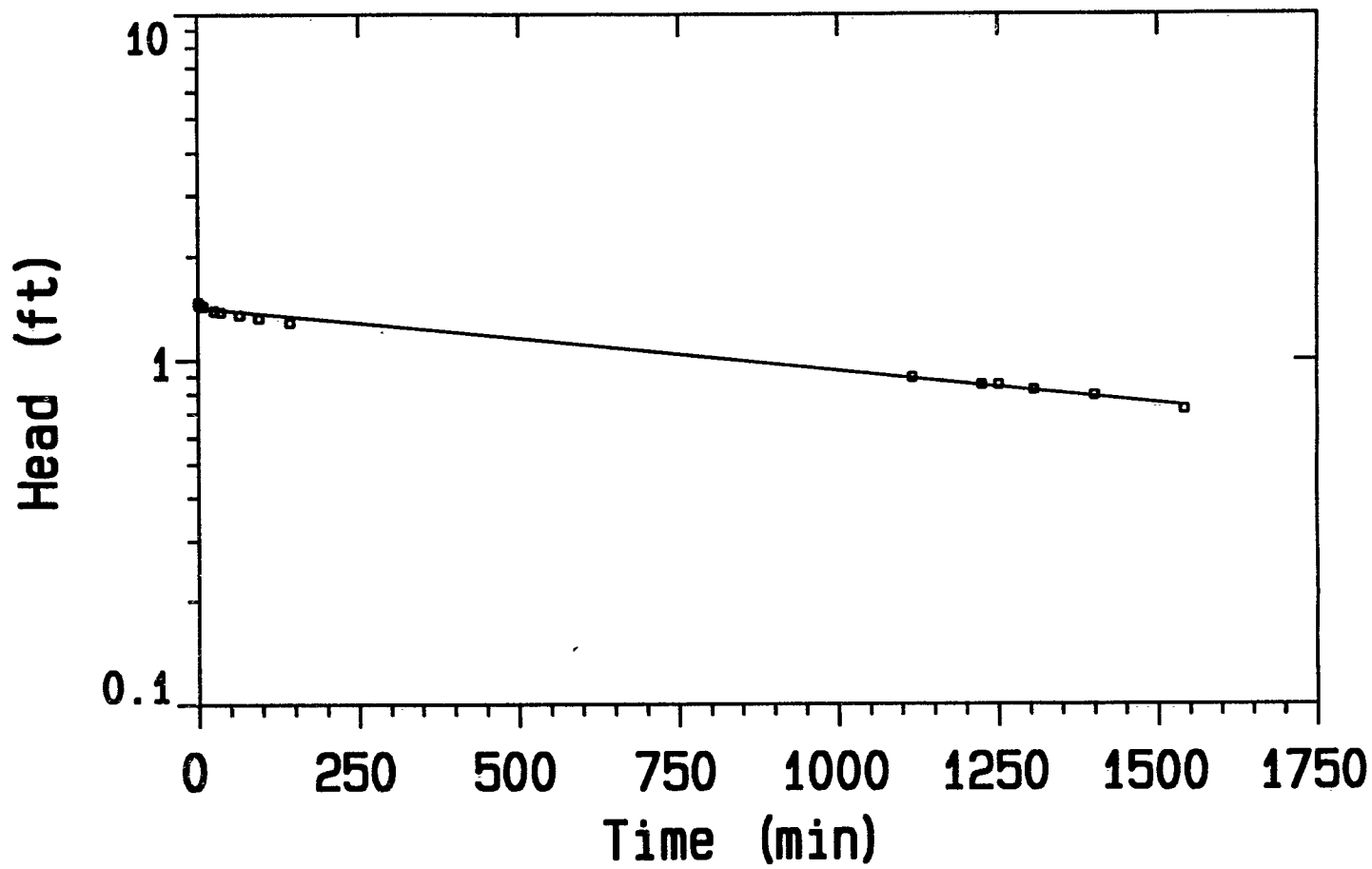

MODEL TYPE: BOUWER and RICE	for: RI/FS	**SLUG TEST ANALYSIS**
CONDUCTIVITY: .0007016 ft/day	by: Fuss & O'Neill, Inc.	**Well: MW-24t**
TRANSMISSIVITY: .008833 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.480 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MW-24T1 / **Date: 7/9/91**	THICKNESS: 12.59	
	SCREEN: top: 16.43 base: 26.43	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 13.84 TD: 26.43	

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DATA SET: MW-24T1

CLIENT:	RI/FS	DATE:	7/9/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-24t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	26.43 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	13.840 ft
AQUIFER:	TILL	THICKNESS:	12.59 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	16.430 ft	SCREEN BASE:	26.43 ft
INITIAL HEAD:	1.480 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.00883square ft/day

CONDUCTIVITY: 0.00070 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	1.48	1.42	3.42
2	1.00	1.47	1.42	2.78
3	2.00	1.45	1.42	1.48
4	4.00	1.45	1.42	1.57
5	8.00	1.44	1.42	1.05
6	25.00	1.40	1.41	-1.03
7	35.00	1.39	1.40	-1.32
8	65.00	1.36	1.39	-2.23
9	95.00	1.33	1.37	-3.20
10	143.0	1.29	1.34	-4.23
11	1116.0	0.890	0.885	0.494
12	1224.0	0.850	0.845	0.530
13	1250.0	0.850	0.836	1.63
14	1305.0	0.820	0.816	0.414
15	1400.0	0.790	0.783	0.762
16	1541.0	0.720	0.737	-2.49

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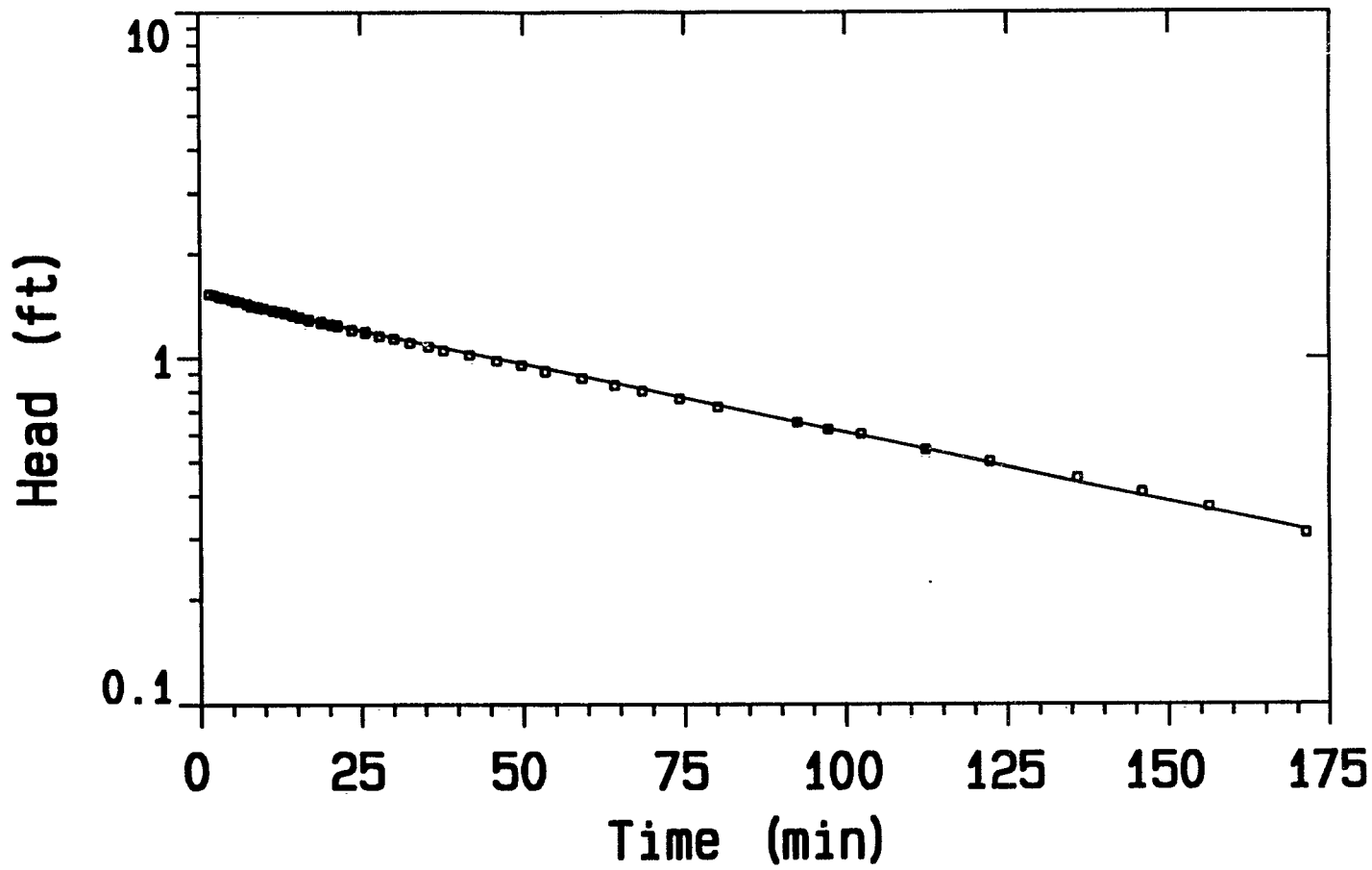

MODEL TYPE: BOUWER and RICE	for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .01651 ft/day	by: Fuss & O'Neill, Inc.	Well: MW-EPA-Ats
TRANSMISSIVITY: .4261 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.530 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MWEPAATS / Date: 4/23/90	THICKNESS: 25.81	
	SCREEN: top: 18.48 base: 28.48	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 2.670 TD: 28.48	

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DATA SET: MWEPAATS

CLIENT:	RI/FS	DATE:	4/23/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-EPA-Ats
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	28.48 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	2.670 ft
AQUIFER:	TILL	THICKNESS:	25.81 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	18.480 ft	SCREEN BASE:	28.48 ft
INITIAL HEAD:	1.530 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.42617square ft/day

CONDUCTIVITY: 0.01651 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.41	1.53	1.49	2.30
2	2.20	1.52	1.48	2.37
3	3.01	1.50	1.47	1.79
4	3.78	1.49	1.46	1.83
5	4.73	1.47	1.45	1.35
6	5.41	1.46	1.44	1.29
7	6.15	1.45	1.43	1.28
8	7.26	1.43	1.41	0.917
9	7.90	1.41	1.40	0.0988
10	9.01	1.40	1.39	0.401
11	9.86	1.39	1.38	0.461
12	11.36	1.37	1.36	0.383
13	12.15	1.36	1.35	0.373
14	13.15	1.35	1.34	0.549
15	14.36	1.33	1.32	0.164
16	15.43	1.31	1.31	-0.373
17	16.90	1.29	1.29	-0.568
18	18.80	1.27	1.27	-0.393
19	20.40	1.25	1.25	-0.518
20	21.35	1.24	1.24	-0.452
21	23.53	1.21	1.22	-0.911
22	25.66	1.19	1.19	-0.628
23	27.81	1.16	1.17	-1.22

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ADMINISTRATIVE RECORD

LIN002 884

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	30.10	1.14	1.14	-0.862
25	32.60	1.11	1.12	-1.24
26	35.50	1.08	1.09	-1.33
27	37.83	1.05	1.07	-2.03
28	41.78	1.02	1.03	-1.31
29	45.93	0.980	0.994	-1.52
30	49.70	0.950	0.961	-1.17
31	53.38	0.910	0.929	-2.13
32	59.05	0.870	0.882	-1.42
33	64.13	0.830	0.842	-1.49
34	68.38	0.800	0.810	-1.28
35	74.20	0.760	0.768	-1.09
36	80.13	0.720	0.727	-1.07
37	92.46	0.650	0.650	-0.0232
38	97.25	0.620	0.622	-0.369
39	102.3	0.600	0.594	0.991
40	112.3	0.540	0.542	-0.378
41	122.3	0.500	0.494	1.04
42	137.9	0.450	0.436	2.93
43	146.0	0.410	0.398	2.80
44	156.3	0.370	0.362	2.00
45	171.3	0.310	0.316	-1.96

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

* Fuss & O'Neill, Inc. *

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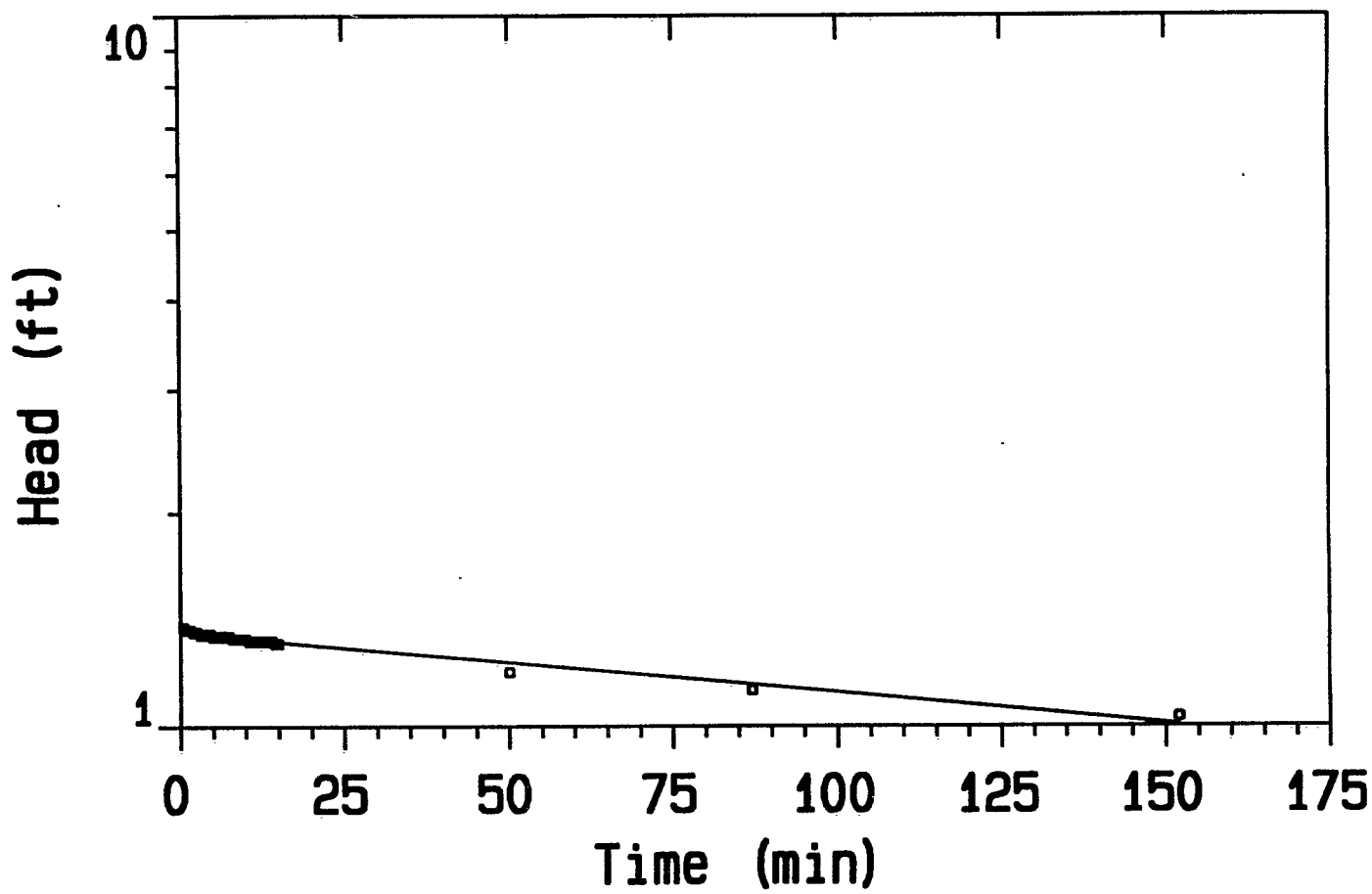

MODEL TYPE: BOUWER and RICE	for: RI/FS	SLUG TEST ANALYSIS
CONDUCTIVITY: .003428 ft/day	by: Fuss & O'Neill, Inc.	Well: MW-EPA-Atd
TRANSMISSIVITY: .1278 sq. ft/day	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.380 ft	AQUIFER: TILL	WOODSTOCK, CONNECTICUT
Data Set: MWEPAATD / Date: 6/25/91	THICKNESS: 37.30	
	SCREEN: top: 53.76 base: 63.76	
	DIAMETER: casing: .1780 intake: .6460	
	DEPTH: Water Table: 30.70 TD: 63.76	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: MWEPAATD

CLIENT:	RI/FS	DATE:	6/25/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	MW-EPA-Atd
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	63.76 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	30.700 ft
AQUIFER:	TILL	THICKNESS:	37.30 ft
INTAKE RADIUS:	0.323 ft	CASING RADIUS:	0.089 ft
SCREEN TOP:	53.760 ft	SCREEN BASE:	63.76 ft
INITIAL HEAD:	1.380 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.12787square ft/day

CONDUCTIVITY: 0.00343 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	1.38	1.35	1.82
2	1.00	1.37	1.35	1.20
3	1.50	1.37	1.35	1.29
4	2.00	1.36	1.35	0.671
5	2.50	1.36	1.34	0.769
6	3.00	1.35	1.34	0.133
7	3.50	1.35	1.34	0.231
8	4.00	1.35	1.34	0.329
9	4.50	1.35	1.34	0.427
10	5.00	1.34	1.34	-0.216
11	5.50	1.34	1.34	-0.117
12	6.00	1.34	1.34	-0.0191
13	6.50	1.34	1.33	0.0793
14	7.00	1.34	1.33	0.177
15	7.50	1.34	1.33	0.276
16	8.00	1.33	1.33	-0.374
17	8.50	1.33	1.33	-0.276
18	9.00	1.33	1.33	-0.177
19	9.50	1.33	1.33	-0.0786
20	10.00	1.33	1.32	0.0198
21	10.50	1.32	1.32	-0.638
22	11.00	1.32	1.32	-0.539
23	11.50	1.32	1.32	-0.440

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LIN002 8 7

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	12.00	1.32	1.32	-0.341
25	12.50	1.32	1.32	-0.242
26	13.00	1.32	1.32	-0.143
27	13.50	1.32	1.32	-0.0450
28	14.00	1.32	1.31	0.0535
29	14.50	1.31	1.31	-0.610
30	15.00	1.31	1.31	-0.511
31	50.00	1.19	1.22	-3.27
32	87.00	1.12	1.14	-2.01
33	152.0	1.03	1.00	2.41

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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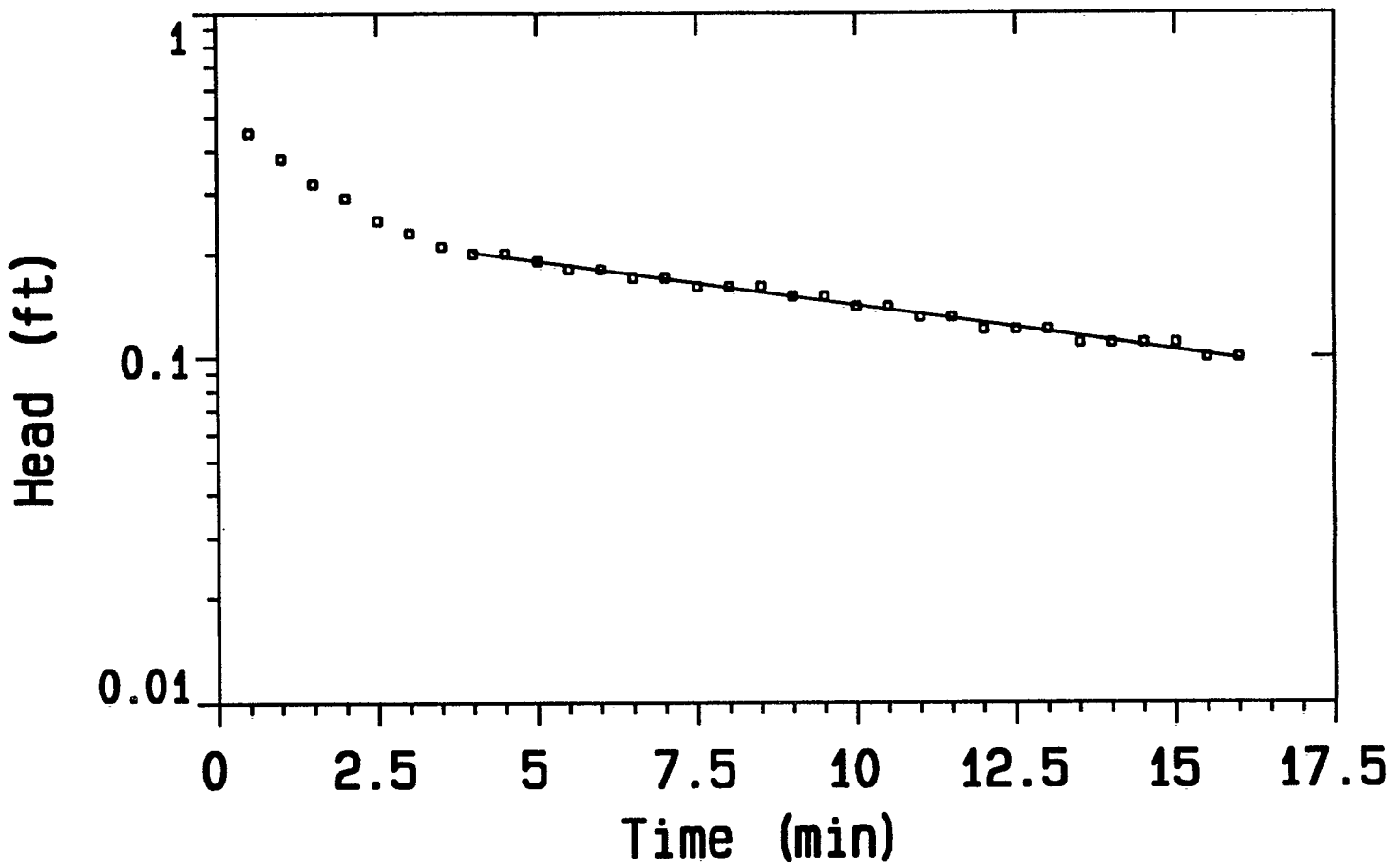

MODEL TYPE: BOUWER and RICE CONDUCTIVITY: .1471 ft/day TRANSMISSIVITY: 5.346 sq. ft/day INITIAL HEAD: .4500 ft Data Set: DW-1T1 — **Date: 6/25/91**	for: RI/FS by: Fuss & O'Neill, Inc. WELL DATA: Units: ft AQUIFER: TILL THICKNESS: 36.34 SCREEN: top: 2.550 base: 42.55 DIAMETER: casing: .3340 intake: 1.084 DEPTH: Water Table: 7.660 TD: 42.55	**SLUG TEST ANALYSIS** **Well: DW-1t** LINEMASTER SWITCH CORP. WOODSTOCK, CONNECTICUT

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DATA SET: DW-1T1

CLIENT:	RI/FS	DATE:	6/25/91
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	DW-1t
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	42.55 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	7.660 ft
AQUIFER:	TILL	THICKNESS:	36.34 ft
INTAKE RADIUS:	0.542 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	2.550 ft	SCREEN BASE:	42.55 ft
INITIAL HEAD:	0.450 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 5.34602square ft/day

CONDUCTIVITY: 0.14711 ft/day

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.500	0.450		
2	1.00	0.380		
3	1.50	0.320		
4	2.00	0.290		
5	2.50	0.250		
6	3.00	0.230		
7	3.50	0.210		
8	4.00	0.200	0.201	-0.658
9	4.50	0.200	0.195	2.27
10	5.00	0.190	0.189	0.134
11	5.50	0.180	0.184	-2.33
12	6.00	0.180	0.178	0.646
13	6.50	0.170	0.173	-2.12
14	7.00	0.170	0.168	0.850
15	7.50	0.160	0.163	-2.27
16	8.00	0.160	0.158	0.709
17	8.50	0.160	0.154	3.60
18	9.00	0.150	0.149	0.178
19	9.50	0.150	0.145	3.09
20	10.00	0.140	0.141	-0.802
21	10.50	0.140	0.137	2.13
22	11.00	0.130	0.133	-2.31
23	11.50	0.130	0.129	0.668

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ADMINISTRATIVE RECORD

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	12.00	0.120	0.125	-4.47
25	12.50	0.120	0.121	-1.42
26	13.00	0.120	0.118	1.53
27	13.50	0.110	0.114	-4.28
28	14.00	0.110	0.111	-1.24
29	14.50	0.110	0.108	1.71
30	15.00	0.110	0.104	4.57
31	15.50	0.1000	0.101	-1.90
32	16.00	0.1000	0.0989	1.07

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

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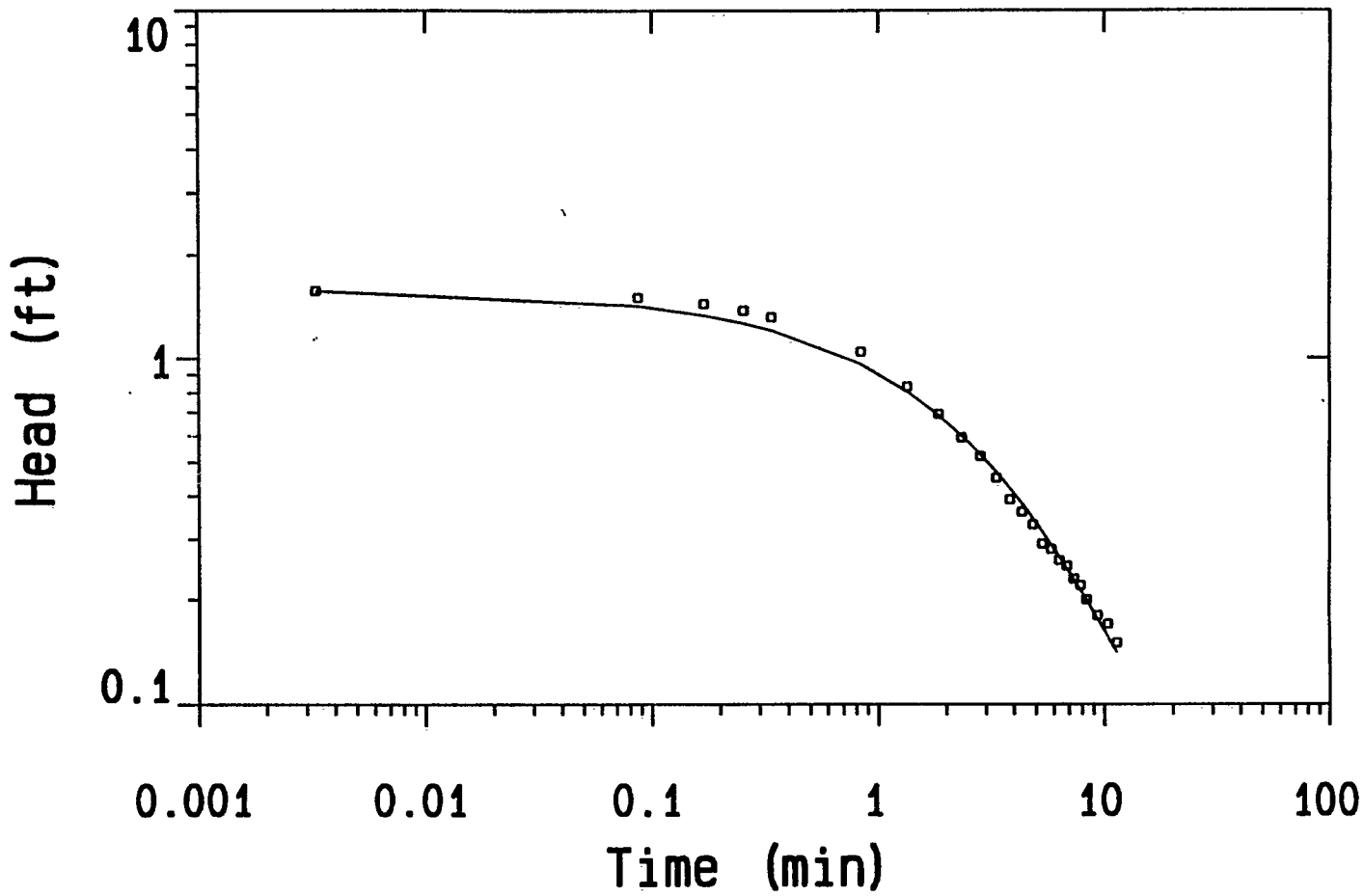

MODEL TYPE: COOPER et al.	for: RI/FS	SLUG TEST ANALYSIS
TRANSMISSIVITY: 34.34 sq. ft/day	by: Fuss & O'Neill, Inc.	Well: GW-12db
STORATIVITY: .05948	WELL DATA: Units: ft	LINEMASTER SWITCH CORP.
INITIAL HEAD: 1.600 ft	AQUIFER: DEEP BEDROCK	WOODSTOCK, CONNECTICUT
Data Set: GW-12DB1 / Date: 8/3/90	THICKNESS: 33.00	
	SCREEN: top: 98.00 base: 131.0	
	DIAMETER: casing: .5000 intake: .5000	
	DEPTH: Water Table: 56.24 TD: 131.0	

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

DATA SET: GW-12DB1

CLIENT:	RI/FS	DATE:	8/3/90
LOCATION:	LINEMASTER SWITCH CORP.	WELL NO.:	GW-12db
COUNTY:	WOODSTOCK, CONNECTICUT	WELL DEPTH:	131.00 ft
PROJECT:	SLUG TEST ANALYSIS	WATER TABLE:	56.240 ft
AQUIFER:	DEEP BEDROCK	THICKNESS:	33.00 ft
INTAKE RADIUS:	0.250 ft	CASING RADIUS:	0.250 ft
SCREEN TOP:	98.000 ft	SCREEN BASE:	131.00 ft
INITIAL HEAD:	1.600 ft	TRANS. RATIO:	1.0000

FITTING ERROR: 5.340 PERCENT

MODEL PARAMETERS:

STORAGE COEFF.: 0.0594854 FREE

TRANSMISSIVITY: 34.34228 square ft/day FREE

MODEL TYPE: CONFINED AQUIFER (Cooper et al.)

No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	0.00330	1.57	1.56	0.172
2	0.0866	1.49	1.41	5.33
3	0.169	1.43	1.32	7.36
4	0.253	1.37	1.25	8.23
5	0.336	1.31	1.19	8.40
6	0.836	1.04	0.958	7.80
7	1.33	0.830	0.801	3.40
8	1.83	0.690	0.686	0.520
9	2.33	0.590	0.597	-1.23
10	2.83	0.520	0.526	-1.15
11	3.33	0.450	0.468	-4.00
12	3.83	0.390	0.419	-7.56
13	4.33	0.360	0.378	-5.19
14	4.83	0.330	0.344	-4.29
15	5.33	0.290	0.314	-8.44
16	5.83	0.280	0.288	-3.05
17	6.33	0.260	0.265	-2.25
18	6.83	0.250	0.245	1.60
19	7.33	0.230	0.228	0.620
20	7.83	0.220	0.213	3.09
21	8.33	0.200	0.199	0.289

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No.	TIME (mins)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
22	9.33	0.180	0.175	2.42
23	10.33	0.170	0.156	8.15
24	11.33	0.150	0.140	6.53

PARAMETER RESOLUTION MATRIX:
"*" INDICATES FIXED PARAMETER

	S	T
S	1.00	
T	0.00	1.00

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APPENDIX G
PACKER TEST HYDRAULIC CONDUCTIVITY CALCULATIONS

REMEDIAL INVESTIGATION REPORT
LINEMASTER SWITCH CORPORATION
WOODSTOCK, CONNECTICUT
AUGUST 1992

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 8 6 5

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FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	JTD	9-19-90	NJD	7/23/92	86-88

LINEMASTER - HYDRAULIC CONDUCTIVITY CALCULATIONS - PACKER TESTS

SHEET NO. 1 of 6

HYDRAULIC CONDUCTIVITY

MW-12db 45 - 65 ft

$Q = 2.22$ gpm $= .297$ ft³/min
$L = 20$ ft
$H = 34.3 + 1.2 + (150 \times 2.31) = 382$ ft
$r = .25$ ft

$$K = \frac{.297}{2\pi(20)382} \log_e \frac{20}{.25} = 2.71 \times 10^{-5} \frac{ft}{min} = 0.039 \text{ ft/day}$$

85 - 105 ft

$Q = 4.00$ gpm $= .535$ ft³/min
$L = 20$ ft
$H = 382$ ft
$r = .25$ ft

$$K = \frac{.535}{2\pi(20)382} \log_e \frac{20}{.25} = 4.88 \times 10^{-5} \frac{ft}{min} = .070 \text{ ft/day}$$

135 - 155 ft

$Q = 3.92$ gpm $= .524$ ft³/min
$L = 20$ ft
$H = 382$ ft
$r = .25$ ft

$$K = \frac{.524}{2\pi(20)382} \log_e \frac{20}{.25} = 4.78 \times 10^{-5} \frac{ft}{min} = .069 \text{ ft/day}$$

160 - 180 ft

$Q = 2.04$ gpm $= .272$ ft³/min
$L = 20$ ft
$H = 382$ ft
$r = .25$ ft

$$K = \frac{.272}{2\pi(20)382} \log_e \frac{20}{.25} = 2.48 \times 10^{-5} \frac{ft}{min} = .036 \text{ ft/day}$$

FO - # 110

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LINEMASTER SWITCH ADMINISTRATIVE RECORD

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FUSS&O'NEILL INC
consulting engineers

PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
JTD	9-19-90	MJD	7/23/92	86-001

SHEET 2 of 6

180 - 200 ft

Q = 1.34 gpm = .179 ft^3/min
L = 20 ft
H = 382 ft
r = .25 ft

$$K = \frac{.179}{2\pi(20)382} \log_e \frac{20}{.25} = 1.63 \times 10^{-5} \frac{ft}{min} = .024 \text{ ft/day}$$

	K (ft/day)
45-65	.039
85-105	.070
135-155	.069
160-180	.036
180-200	.024

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ADMINISTRATIVE RECORD

LIN002 971

FUSS&O'NEILL consulting engineers

PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
JTO	9-19-90	M.J.C	7/23/92	06-80

SHEET NO. 3 of 6

MW-13d5

HYDRAULIC CONDUCTIVITY

60-80 ft

$Q = 7.72$ gpm $= 1.03$ ft³/min
$L = 20$ ft
$H = 72.25 + 1.2 + (150 \times 2.31) = 421.55$ ft
$r = .25$ ft

$$k = \frac{1.03}{2\pi(20)421.55} \log_e \frac{20}{.25} = 8.152 \times 10^{-5} \frac{ft}{min} = .123 \frac{ft}{day}$$

160-180 ft

$Q = 1.15$ gpm $= .154$ ft³/min
$L = 20$ ft
$H = 421.55$ ft
$r = .25$ ft

$$k = \frac{.154}{2\pi(20)421.55} \log_e \frac{20}{.25} = 1.27 \times 10^{-5} \frac{ft}{min} = .018 \frac{ft}{day}$$

210-230 ft

$Q = 2.93$ gpm $= .392$ ft³/min
$L = 20$ ft
$H = 421.55$ ft
$r = .25$ ft

$$k = \frac{.392}{2\pi(20)421.55} \log_e \frac{20}{.25} = 3.24 \times 10^{-5} \frac{ft}{min} = .047 \frac{ft}{day}$$

60-80	.123
160-180	.018
210-230	.047

FO-#110

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 868

FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	JTD	9-19-90	MJD	7/23/92	86-80
					SHEET 4 of 6

MW-14db 40-70 ft

$Q = 1.23$ gpm $= .164$ ft³/min
$L = 30$ ft
$H = 21.95 + 1.2 + (150 \times 2.31) = 369.65$ ft
$r = .25$ ft

$$K = \frac{.164}{2\pi (30) 369.65} \log_e \frac{30}{.25} = 1.13 \times 10^{-5} \frac{ft}{min} = .016 \frac{ft}{day}$$

80-110 ft

$Q = 1.[illegible]$ gpm $= .210$ ft³/min
$L = 30$ ft
$H = 369.65$
$r = .25$

$$K = \frac{.210}{2\pi (30) 369.65} \log_e \frac{30}{.25} = 1.44 \times 10^{-5} \frac{ft}{min} = .021 \frac{ft}{day}$$

170-200 ft

$Q = 65.16$ gpm $= 8.44$ ft³/min
$L = 30$ ft
$H = 369.65$
$r = .25$

$$K = \frac{8.44}{2\pi (30) 369.65} \log_e \frac{30}{.25} = 5.80 \times 10^{-4} \frac{ft}{min} = .835 \frac{ft}{day}$$

SUMMARY

	K (ft/day)
40-70	.016
80-110	.021
170-200	.835

FO-#110

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 668

FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	JTD	9-19-90	JTD	7/23/92	86-88
					SHEET NO. 5 of 6

GW-10db 68-98 ft

$Q = 26.97\ gpm = 3.606\ ft^3/min$
$L = 30\ ft$
$H = 43.3 + 2 + (150 \times 2.31) = 391.8\ ft$
$r = .25$

$$k = \frac{3.606}{2\pi(30)391.8} \log_e \frac{30}{.25} = 2.34 \times 10^{-4} \frac{ft}{min} = .337 \frac{ft}{day}$$

100-130 ft

$Q = 4.11\ gpm = 1.886\ ft^3/min$
$L = 30\ ft$
$H = 391.8\ ft$
$r = .25$

$$k = \frac{1.886}{2\pi(30)391.8} \log_e \frac{30}{.25} = 1.22 \times 10^{-4} \frac{ft}{min} = .176 \frac{ft}{day}$$

290-320 ft

$Q = 3.37\ gpm = .451\ ft^3/min$
$L = 30\ ft$
$H = 391.8$
$r = .25\ ft$

$$k = \frac{.451}{2\pi(30)391.8} \log_e \frac{30}{.25} = 2.92 \times 10^{-5} \frac{ft}{min} = .042 \frac{ft}{day}$$

$Q = 5.15\ gpm = .689\ ft^3/min$
$L = 30\ ft$
$H = 43.5 + 2 + (200 \times 2.31) = 507.3\ ft$
$r = .25\ ft$

$$k = \frac{.689}{2\pi(30)507.2} \log_e \frac{30}{.25} \quad 3.45 \times 10^{-5} \frac{ft}{min} = .050 \frac{ft}{day}$$

.041

SUMMARY	k (ft/day)
68-98	.337
100-130	.176
290-320	.046

FO-#110

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ADMINISTRATIVE RECORD

LIN002 0009

FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	JTO	9-19-90	MJD	7/23/92	86-88
					SHEET 6 OF 6

GW-12db 95-135 ft

$Q = 21.85$ gpm $= 2.92$ ft³/min

$L = 40$ ft

$H = 53.85 + 2 + (150 \times 2.31) = 402.35$ ft

$r = .25$ ft

$$k = \frac{2.92}{2\pi(40)402.35} \log_e \frac{40}{.25} = 1.47 \times 10^{-4} \frac{ft}{min} = .211 \frac{ft}{day}$$

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 901

FUSS&O'NEILL consulting engineers

PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
pwm	10/10/91	MJD	7/23/92	86-88

Linemaster - Hydraulic Conductivity Calculations - Packer Tests

SHEET NO. 1 of 7

$$K = \frac{Q}{2\pi L H} \log_e \frac{L}{r}$$

K = conductivity
Q = flow in ft^3/min 1 gal = 7.48 ft^3
L = Distance between packers (Ft)
r = radius of well .25 ft.
H = Depth to water + 1 (length of equipment assembly) + well pressure (psi x 2.31)

MW-1 db 105-135

Q = 26 gpm = 3.476 ft^3/min
L = 30 ft.
H = 47.71 47.71 + 1 + (100 x 2.31) = 279.7 ft.
r = .25 ft

$$K = \frac{3.476}{2(\pi)(30)(279.7)} \log_e \frac{30}{.25} = 3.156 \times 10^{-4}\ ft/min = 0.454\ ft/day$$

130-160'

Q = 6 gpm = .802 ft^3/min.
L = 30 ft.
H = 279.7 ft.
r = .25 ft

$$K = \frac{.802}{2(\pi)(30)(279.7)} \log_e \frac{30}{.25} = 7.28 \times 10^{-5}\ ft/min = .105\ ft/day$$

240-270'

Q = 80 gpm = 10.695 ft^3/min.
L = 30 ft
H = 279.7 ft
r = .25 ft.

$$K = \frac{10.695}{2(\pi)(30)(279.7)} \log_e \frac{30}{.25} = 9.71 \times 10^{-4}\ ft/min = 1.398\ ft/day.$$

FO-#110

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9002

FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	PWM	10/10/91	MJD	7/23/92	86-

Linemaster - Hydraulic Conductivity Calculations - Packer Tests

SHEET NO. 2 of 7

mw-6db 81-111'

$Q = 48\ gpm = 6.417\ ft^3/min$
$L = 30'$
$H = 23.45 = 23.45 + 1 + (100\ psi \times 2.31) = 255.5\ ft.$
$r = .25$

$$K = \frac{6.417}{2(\pi)(30)\ 255.5} \log_e \frac{30}{.25} = 6.38 \times 10^{-4}\ ft/min = .918\ ft/day$$

120-150

$Q = 3\ gpm = .401\ ft^3/min$
$L = 30$
$H = 255.5\ ft.$
$r = .25$

$$K = \frac{.401}{2(\pi)(30)(255.5)} \log_e \frac{30}{.25} = 3.98 \times 10^{-5}\ ft/min = .057\ ft/day$$

150-180'

$Q = 7\ gpm = .936\ ft^3/min$
$L = 30$
$H = 255.5$
$r = .25$

$$K = \frac{.936}{2(\pi)(30)(255.5)} \log_e \frac{30}{.25} = 9.3 \times 10^{-5}\ ft/min = .134\ ft/day$$

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ADMINISTRATIVE RECORD

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FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	PWM	10/10/91	MJD	7/23/92	86-88

Linemaster - Hydraulic Conductivity Calculations - Packer Tests

SHEET NO. 3 of 7

MW-8 db 30-70'

Q = 16 gpm = 2.139 ft³/min
L = 40'
H = 12.84 ft + (150 x 2.31) = 365.3 ft
r = .25 ft

$$K = \frac{2.139}{2(\pi)(40)(365.3)} \log_e \frac{40}{.25} = 1.182 \times 10^{-4} \text{ ft/min} = .17 \text{ ft/day}$$

87-127'

Q = 12 gpm = 1.604 ft³/min
L = 40'
H = 365.3 ft
r = .25 ft

$$K = \frac{1.604}{2(\pi)(40)(365.3)} \log_e \frac{40}{.25} = 8.86 \times 10^{-5} \text{ ft/min} = .128 \text{ ft/day}$$

160-200'

Q = 1 gpm = .134 ft³/min
L = 40'
H = 365.3 ft
r = .25 ft

$$K = \frac{.134}{2(\pi)(40)(365.3)} \log_e \frac{40}{.25} = 2.4 \times 10^{-6} \text{ ft/min} = .011 \text{ ft/day}$$

MW-11 db 52-92'

Q = 8 gpm = 1.07 ft³/min
L = 40'
H = 9.93 + 1 + (100 x 2.31) = 241.9
r = .25 ft

$$K = \frac{1.07}{2(\pi)(40)(241.9)} \log_e \frac{40}{.25} = 8.93 \times 10^{-5} \text{ ft/min} = .129 \text{ ft/day}$$

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PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
PWM	10/10/91	MJD	7/23/92	86-8

Linemaster - Hydraulic Conductivity Calculations - Packer Tests

SHEET NO. 4 of 7

mw-11db 160-200'

Q = 4 gpm = .535 ft³/min
L = 40'
H = 9.93 + 1 + (150 × 2.31) = 357.4 ft.
r = .25'

$$K = \frac{.535}{2(\pi)(40)(357.4)} \log_e \frac{40}{.25} = 3.08\times10^{-5}\ ft/min = 0.043\ ft/day$$

mw-15db 155-225

Q = 76 gpm = 10.16 ft³/min.
L = 70'
H = 67.65 + 1 + (100 × 2.31) = 299.6 ft
r = .25'

$$K = \frac{10.16}{2(\pi)(70)(299.6)} \log_e \frac{70}{.25} = 4.344\times10^{-4}\ ft/min = .626\ ft/day$$

255-305

Q = 42 gpm = 5.61 ft³/min
L = 50'
H = 67.65 + 1 + (100 × 2.31) = 299.6 ft.
r = .25

$$K = \frac{5.61}{2(\pi)(50)(299.6)} \log_e \frac{50}{.25} = 3.152\times10^{-4}\ ft/min = .455\ ft/day$$

mw-17db 83-123'

Q = 4.5 gpm = .602 ft³/min
L = 40'
H = 81.15 + 1 + (150 × 2.31) = 428.7 ft.
r = .25

$$K = \frac{.602}{2(\pi)(40)(428.7)} \log_e \frac{40}{.25} = 2.83\times10^{-5}\ ft/min = .041\ ft/day$$

FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	PWM	10/10/91	MJD	7/23/02	86-88

Linemaster - Hydraulic Conductivity Calculations - Packer Tests

SHEET NO. 5 of 7

mw-17 db

250-290

Q = 17 gpm = 2.273 ft³/min.
L = 40
H = 428.7
r = .25

$$K = \frac{2.273}{2(\pi)(40)(428.7)} \log_e \frac{40}{.25} = 1.07 \times 10^{-4} \text{ ft/min} = .154 \text{ ft/day}$$

300-340

Q = 4.2 gpm = .561 ft³/min.
L = 40
H = 428.7
r = .25

$$K = \frac{.561}{2(\pi)(40)(428.7)} \log_e \frac{40}{.25} = 2.64 \times 10^{-5} \text{ ft/min} = 0.038 \text{ ft/day}$$

mw-18db

70-100

Q = 2 gpm = .267 ft³/min.
L = 30
H = 44.32 + 1 + (100 × 2.31) = 276.3 ft.
r = .25

$$K = \frac{.267}{2(\pi)(30)(276.3)} \log_e \frac{30}{.25} = 2.45 \times 10^{-5} \text{ ft/min} = 0.035 \text{ ft/day}$$

130-160

Q = 94 gpm = 12.567 ft³/min.
L = 30
H = 44.32 + 1 + (25 × 2.31) = 103.1 ft
r = .25

$$K = \frac{12.567}{2(\pi)(30)(103.1)} \log_e \frac{30}{.25} = 3.09 \times 10^{-3} \text{ ft/min} = 4.458 \text{ ft/day}$$

160-180

Q = 93 gpm = 12.433 ft³/min
L = 30
H = 44.32 + 1 + (50 × 2.31) = 160.8

$$K = \frac{12.432}{2(\pi)(30)(160.8)} \log_e \frac{30}{.25} = 1.96 \times 10^{-3} \text{ ft/min} = 2.828 \text{ ft/day}$$

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FUSS&O'NEILL consulting engineers	PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
	Pum	10/10/91	MJD	7/22/92	86-8

Linemaster - Hydraulic Conductivity Calculations - Packer Tests

SHEET 6 of 7

mw-21 db 170-200

Q = .15 gpm = .201 ft³/min
L = 30'
H = 122.20 + 1 + (100 × 2.31) = 354.2 ft.
r = .25

$$K = \frac{.201}{2(\pi)(30)(354.2)} \log_e \frac{30}{.25} = 1.44 \times 10^{-5} \text{ ft/min} = 0.021 \text{ ft/day}$$

280-310

Q = 0.5 gpm = .067 ft³/min
L = 30'
H = 122.20 + 1 + (200 × 2.31) = 585.2 ft.
r = .25

$$K = \frac{.067}{2(\pi)(30)(585.2)} \log_e \frac{30}{.25} = 2.9 \times 10^{-6} \text{ ft/min} = .004 \text{ ft/day}$$

mw-22 db 35-75

Q = 5 gpm = .668 ft³/min
L = 40'
H = 34.44 + 1 + (100 × 2.31) = 266.4 ft.
r = .25'

$$K = \frac{.668}{2(\pi)(40)(266.4)} \log_e \frac{40}{.25} = 5.06 \times 10^{-5} \text{ ft/min} = 0.073 \text{ ft/day}$$

80-120'

Q = 11 gpm = 1.47 ft³/min
L = 40'
H = 266.4
r = .25

$$K = \frac{1.47}{2(\pi)(40)(266.4)} \log_e \frac{40}{.25} = 1.11 \times 10^{-4} \text{ ft/min} = .16 \text{ ft/day}$$

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LINEMASTER SWITCH
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LIN002 0071

FUSS&O'NEILL consulting engineers

PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO
PWM	10/10/91	MJD	7/23/92	86-88

Linemaster - Hydraulic Conductivity Calculations - Packer Tests

SHEET NO. 7 of 7

MW-22 db 120-180

Q = 48 gpm = 6.417 ft³/min.
L = 60'
H = 266.4
r = .25

$K = \frac{6.417}{2(\pi)(60)(266.4)} \log_e \frac{60}{.25} = 3.5 \times 10^{-4}$ ft/min = .504 ft/day

185-225

Q = 9 gpm = 1.203 ft³/min
L = 40'
H = 266.4
r = .25

$K = \frac{1.203}{2(\pi)(40)(266.4)} \log_e \frac{40}{.25} = 9.11 \times 10^{-5}$ ft/min = .131 ft/day

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NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002

PERMEABILITY TESTS

LINEMASTER SWITCH CORPORATION
WOODSTOCK, CT.

BORE HOLE NUMBERS

GW-10
GW-12
MW-12
MW-13
MW-14

JULY 7 -16, 1990

PREPARED BY
NORTHEAST WATER PRODUCTION, INC.
P.O. BOX 658
STERLING, MA. 01564

NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

STRIP CHART KEY

PRESSURE: EACH VERTICLE LINE EQUALS APPROXIMATELY 100 P.S.I.

PERSSURE: EACH HORIZONTAL LINE EQUALS APPROXIMATELY 9 SECONDS.

VOLUME: EACH VERTICLE LINE EQUALS APPROXIMATELY 4 G.P.M.

VOLUME: EACH HORIZONTAL LINE EQUALS APPROXIMATELY 9 SECONDS.

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NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: GW-10

HOLE DEPTH: 320'

CASING DEPTH: 42'

MAXIMUM PRESSURE: 150/200 P.S.I.

ZONE LENGTH: 30'

ZONE DEPTH: 290 - 320'

TEST MUMBER: GW-10-2

TEST LENGTH: 5.75 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: ~~14~~ 13

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 3.37

AVERAGE G.P.M. OF ACCEPTANCE @ 200 P.S.I. ~~6.37~~ 5.15

TOTAL VOLUME ACCEPTED: 26 Gallons

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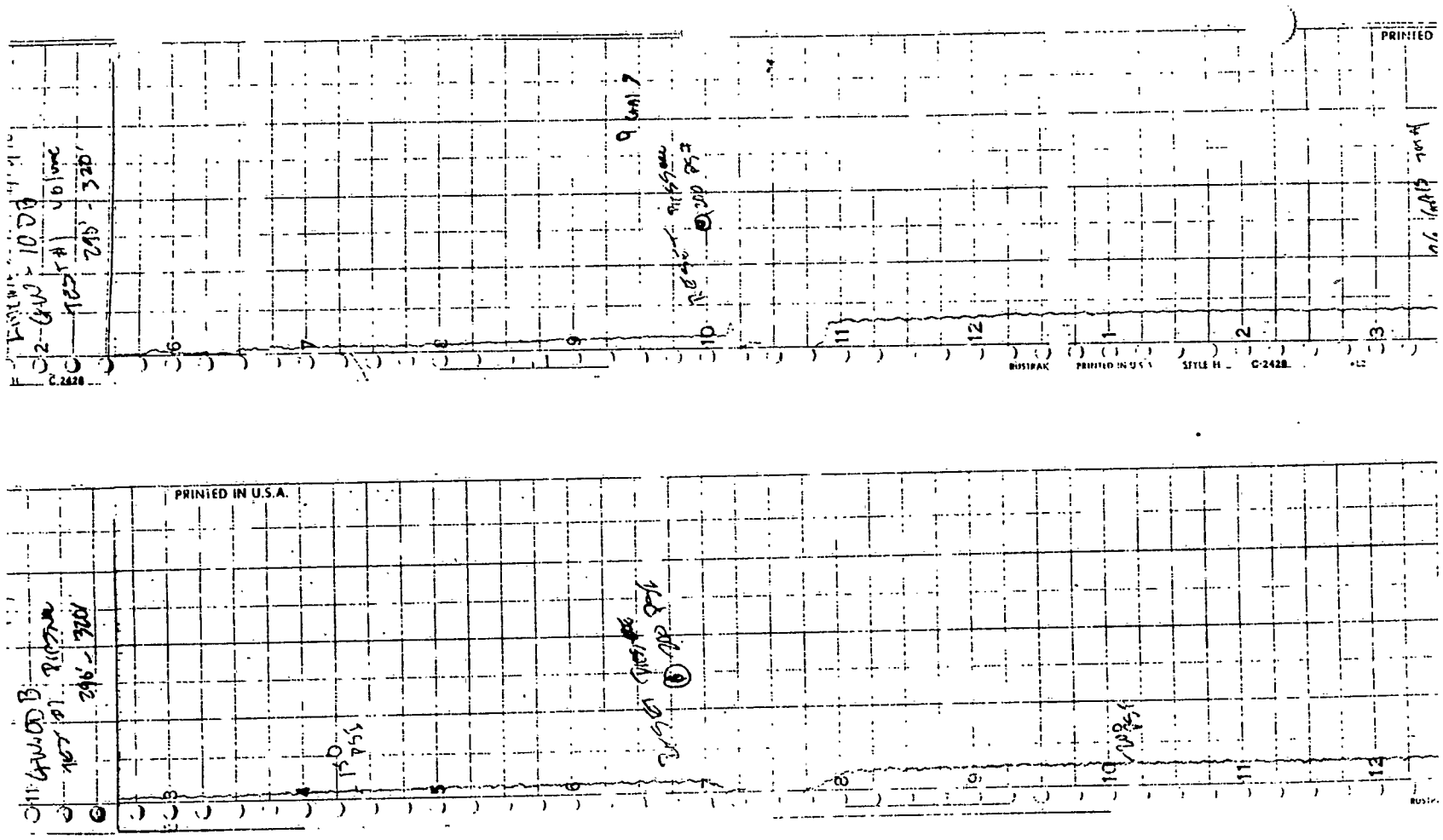
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 912



NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: GW-10

HOLE DEPTH: 320'

CASING DEPTH: 42'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 30'

ZONE DEPTH: 100' - 130'

TEST MUMBER: GW-10-2

TEST LENGTH: 4.75 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: 22

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 14.11

TOTAL VOLUME ACCEPTED: 67 Gallons

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

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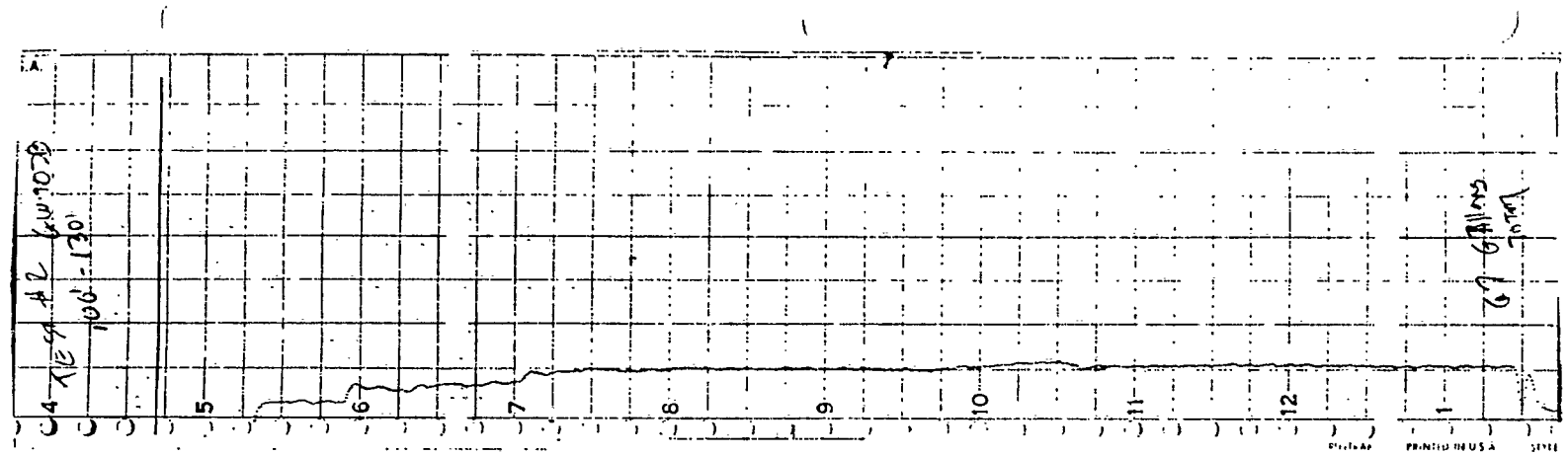
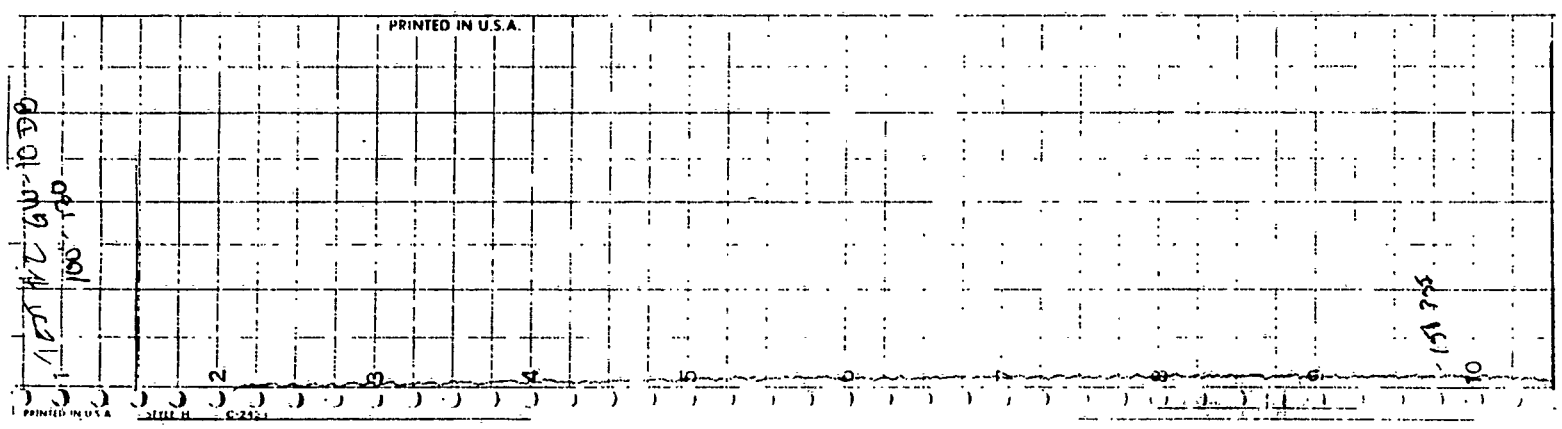
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 914





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: GW-10

HOLE DEPTH: 320'

CASING DEPTH: 42'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 30'

ZONE DEPTH: 68' - 98'

TEST MUMBER: GW-10-3

TEST LENGTH: 4.45 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: 44

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 26.97

TOTAL VOLUME ACCEPTED: 120 Gallons

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 615

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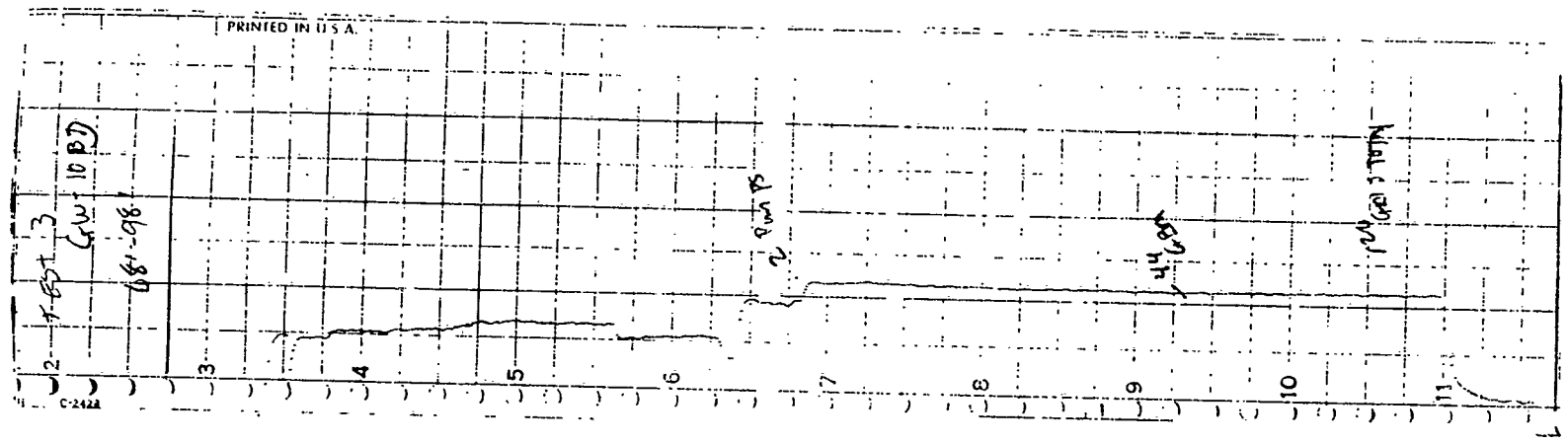
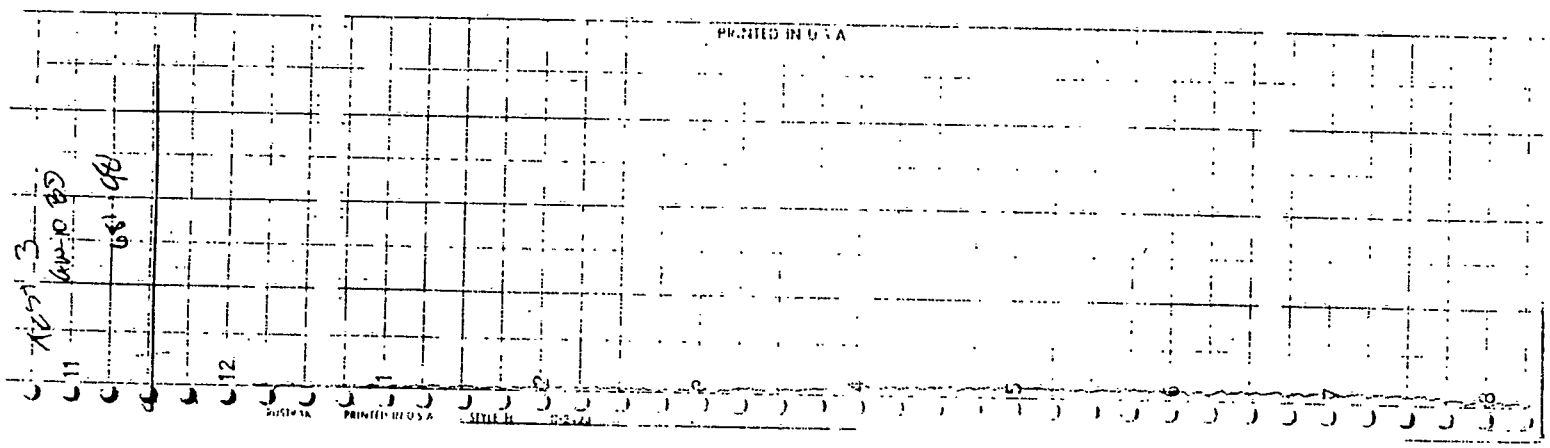
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 916





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: GW-12

HOLE DEPTH: 135'

CASING DEPTH: 98'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 30'

ZONE DEPTH: 95' - 135'

TEST MUMBER: GW-12-1

TEST LENGTH: 3.25 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: 36

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 21.85

TOTAL VOLUME ACCEPTED: 71 Gallons

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LIN002
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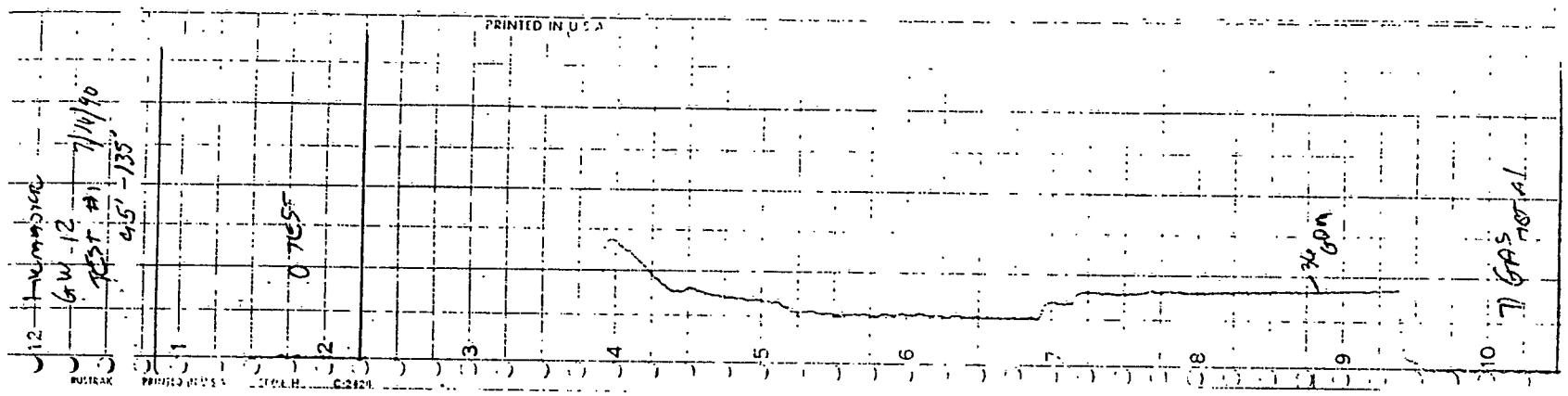
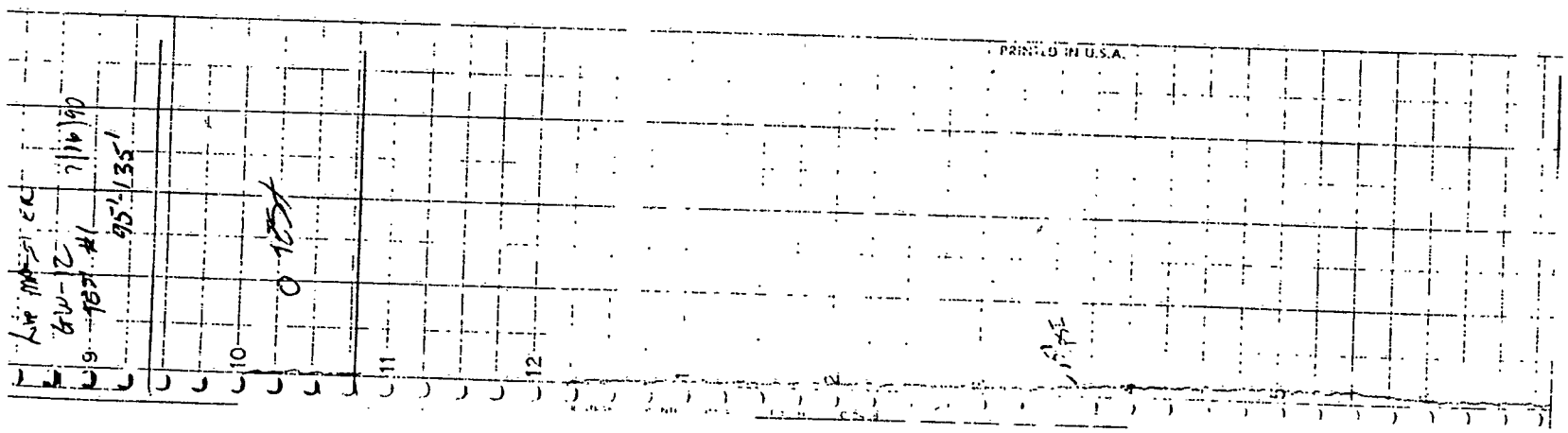
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 918





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-12

HOLE DEPTH: 200'

CASING DEPTH: 25'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPTH: 180 - 200'

TEST NUMBER: MW-12-1

TEST LENGTH: 4.45 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: 1.~~25~~ 4.00

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 1.~~25~~ 1.34

TOTAL VOLUME ACCEPTED: 6 Gallons

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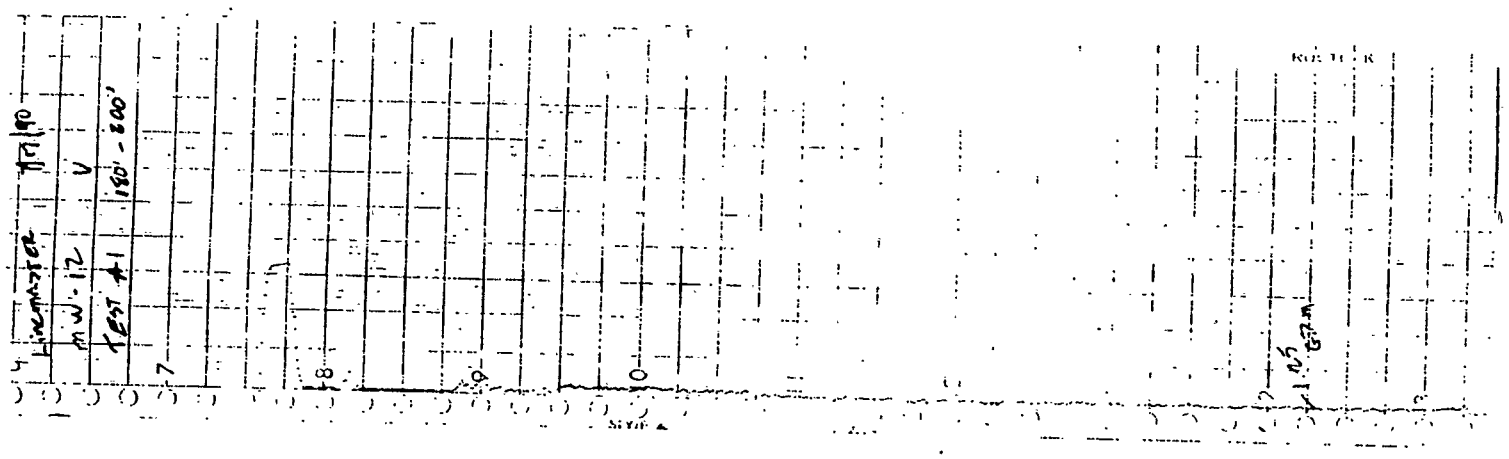
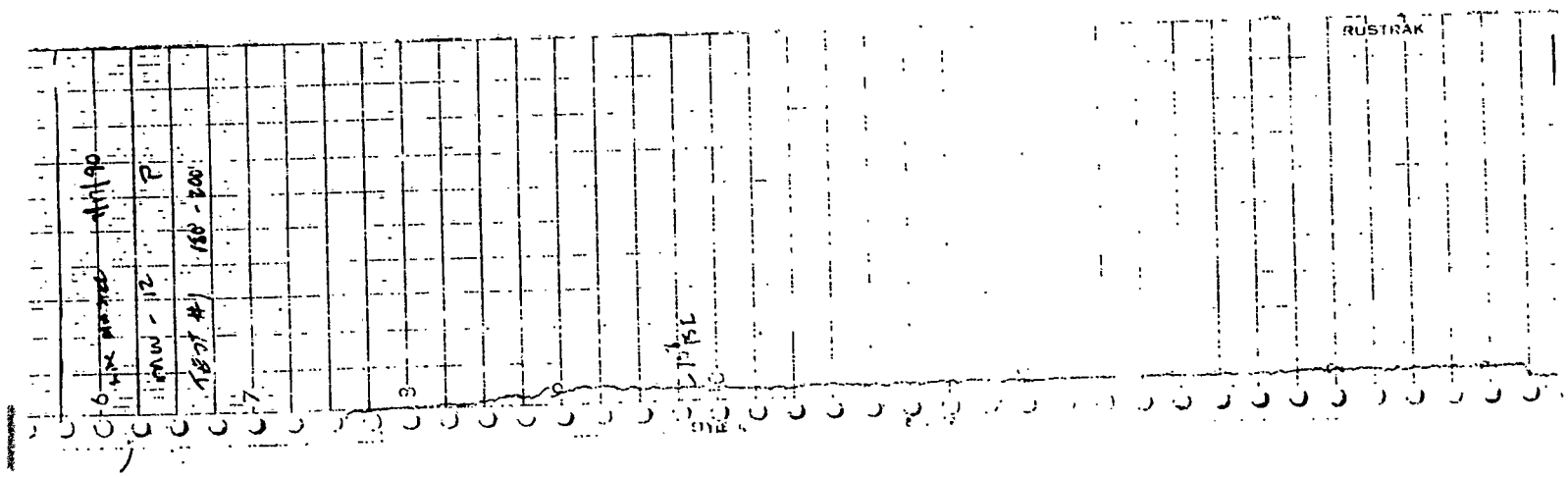
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 920





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-12

HOLE DEPTH: 200'

CASING DEPTH: 25'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPTH: 160 - 180'

TEST MUMBER: MW-12-2

TEST LENGTH: 4.90 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: 2.50

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 2.04

TOTAL VOLUME ACCEPTED: 10 Gallons

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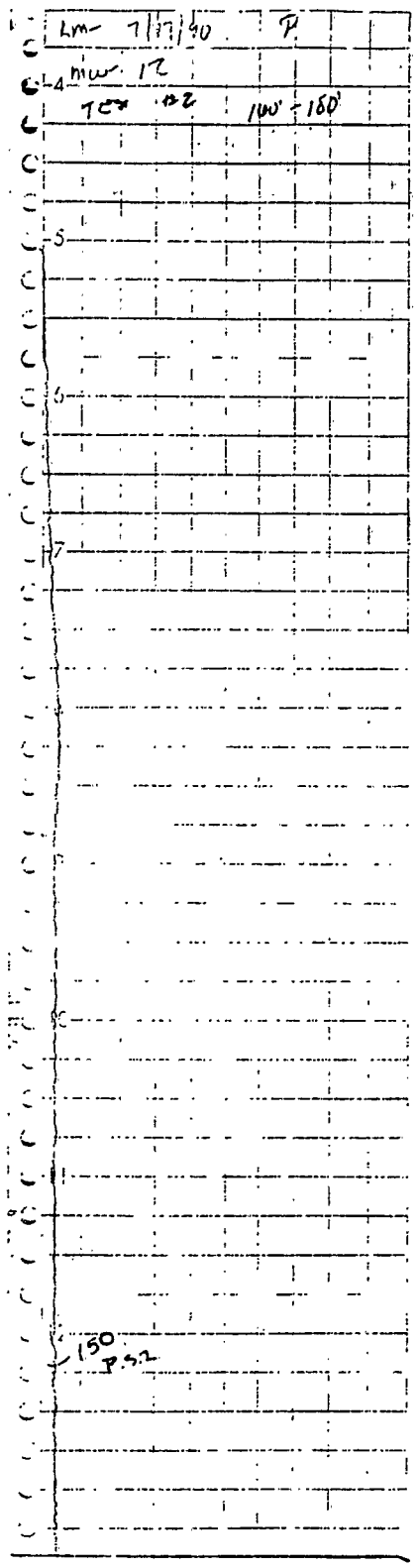
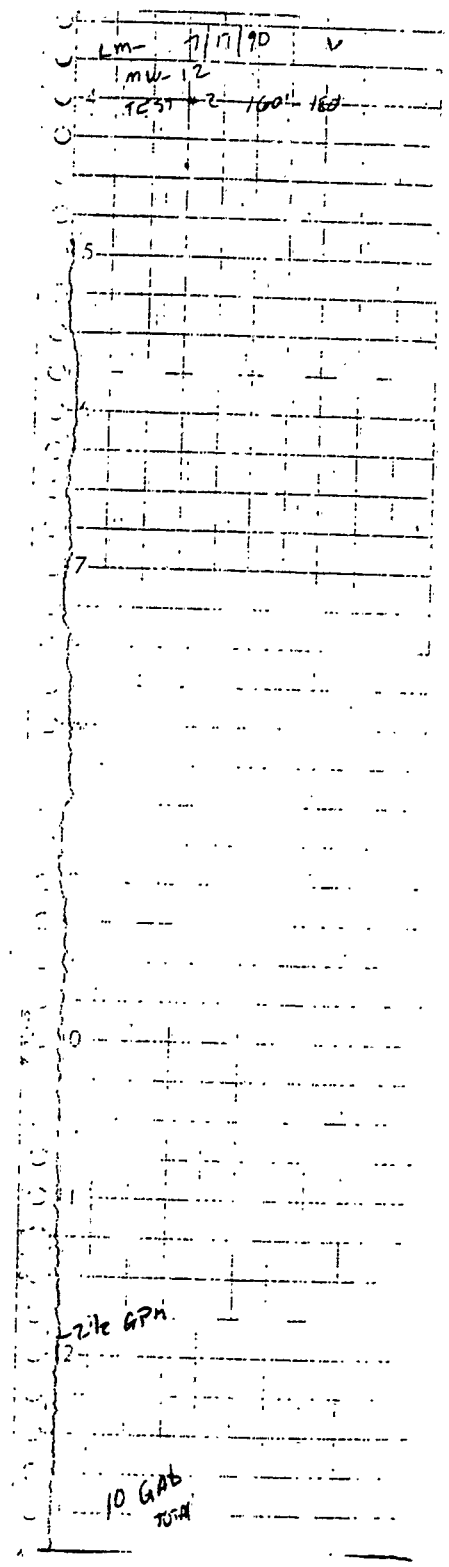
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
121





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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 229

NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-12

HOLE DEPTH: 200'

CASING DEPTH: 25'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPTH: 135 - 155'

TEST MUMBER: MW-12-3

TEST LENGTH: 3.10 MINUTES 5.10

MAXIMUM G.P.M. OF ACCEPTANCE: 5.75

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 3/48 3.92

TOTAL VOLUME ACCEPTED: 20 Gallons

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ADMINISTRATIVE RECORD

LIN002
E23

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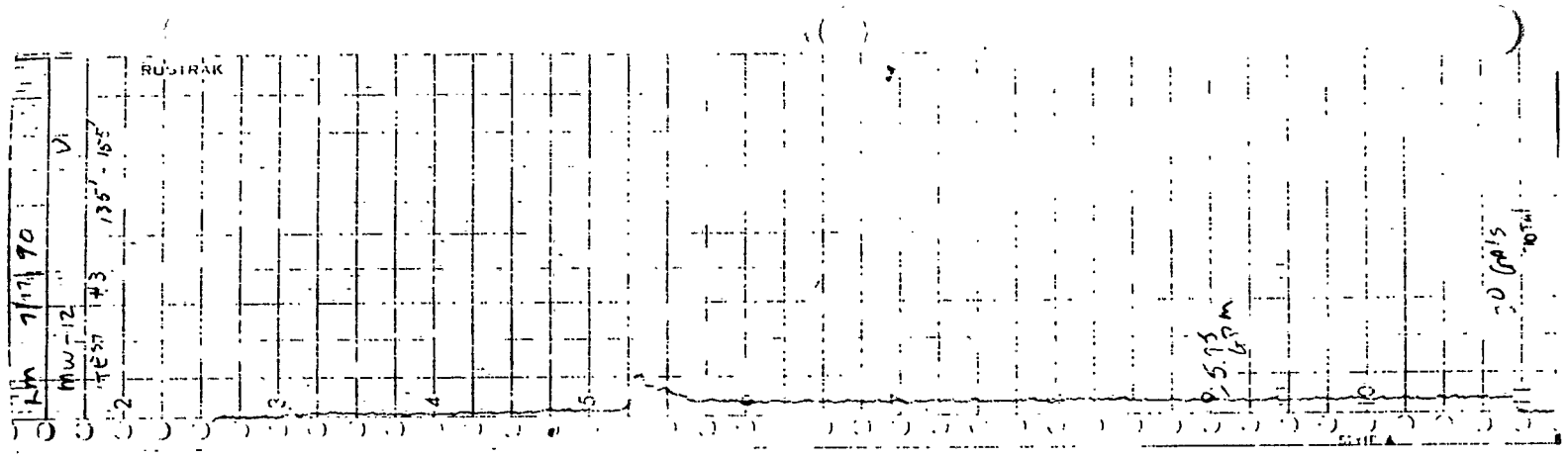
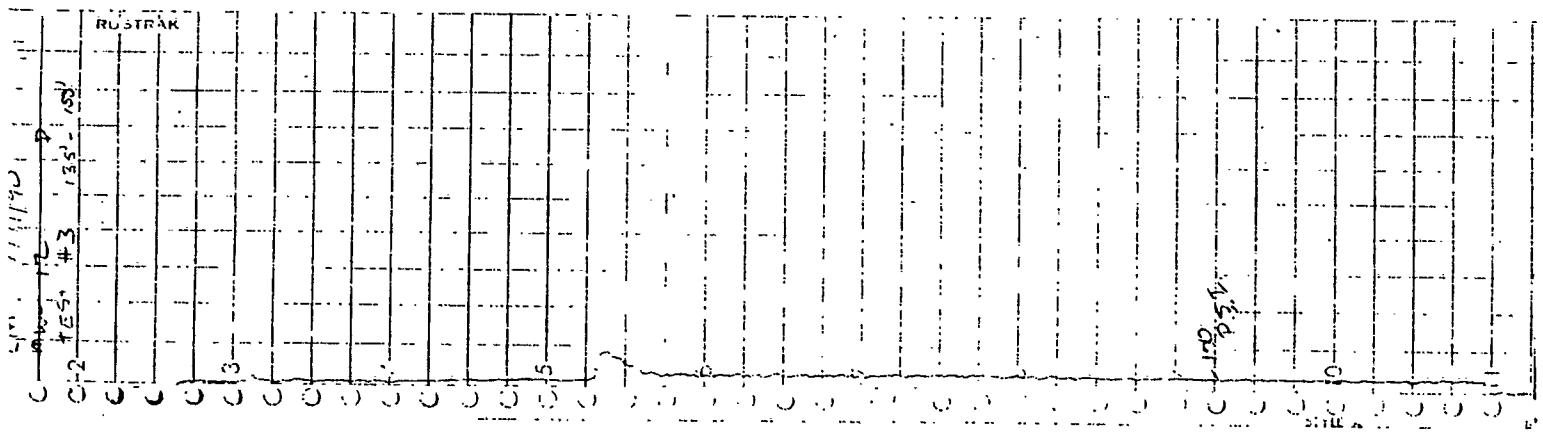
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 924





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-12

HOLE DEPTH: 200'

CASING DEPTH: 25'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPTH: 85' - 105'

TEST NUMBER: MW-12-4

TEST LENGTH: 4.00 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: ~~4.00~~ 5

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 4.00

TOTAL VOLUME ACCEPTED: 16 Gallons

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ADMINISTRATIVE RECORD

LIN002 625

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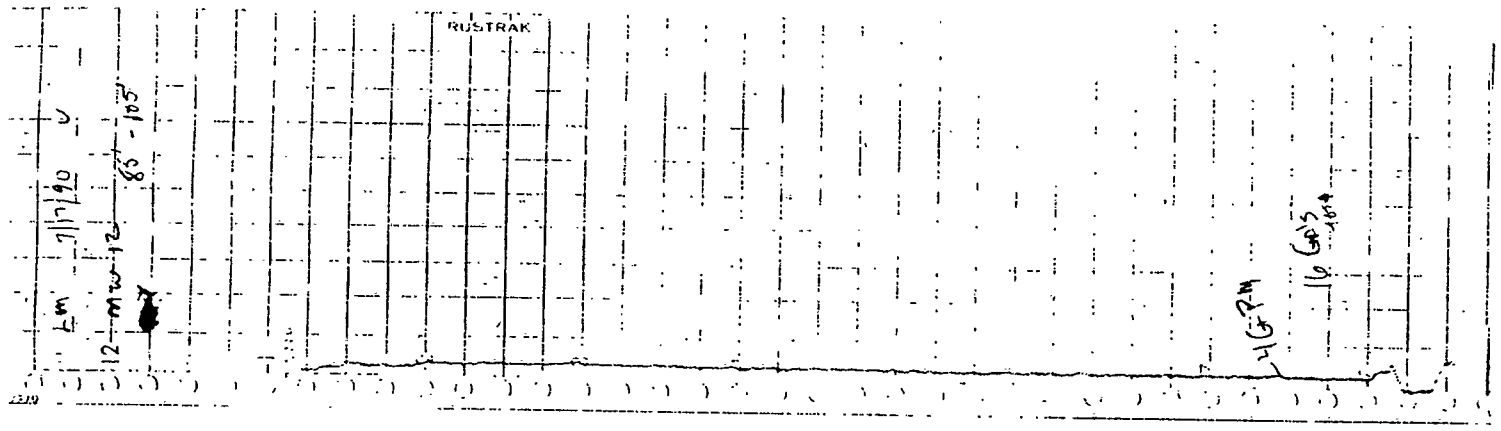
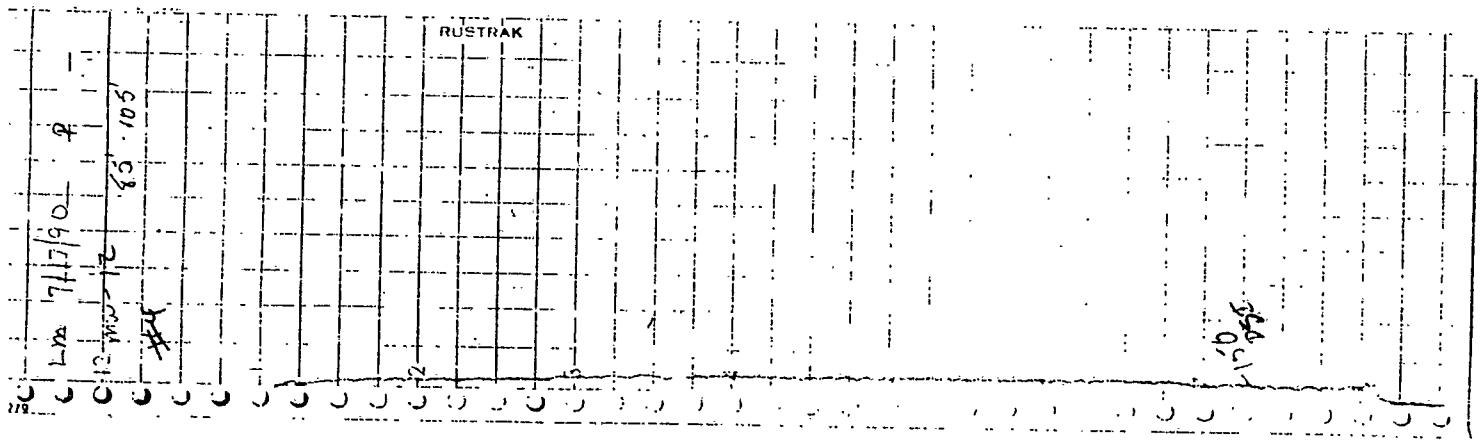
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 926





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 127

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-12

HOLE DEPTH: 200'

CASING DEPTH: 25'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPTH: 45' - 65'

TEST MUMBER: MW-12-5

TEST LENGTH: 3.~~85~~ MINUTES 4.05

MAXIMUM G.P.M. OF ACCEPTANCE: 2.~~25~~ 4

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 2.~~84~~ 2.22

TOTAL VOLUME ACCEPTED: 9 Gallons

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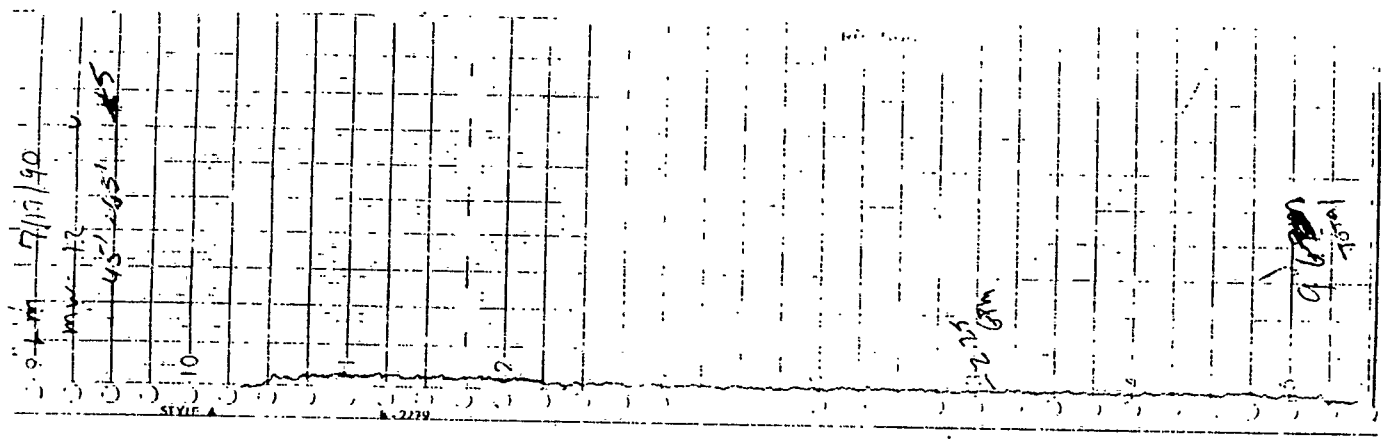
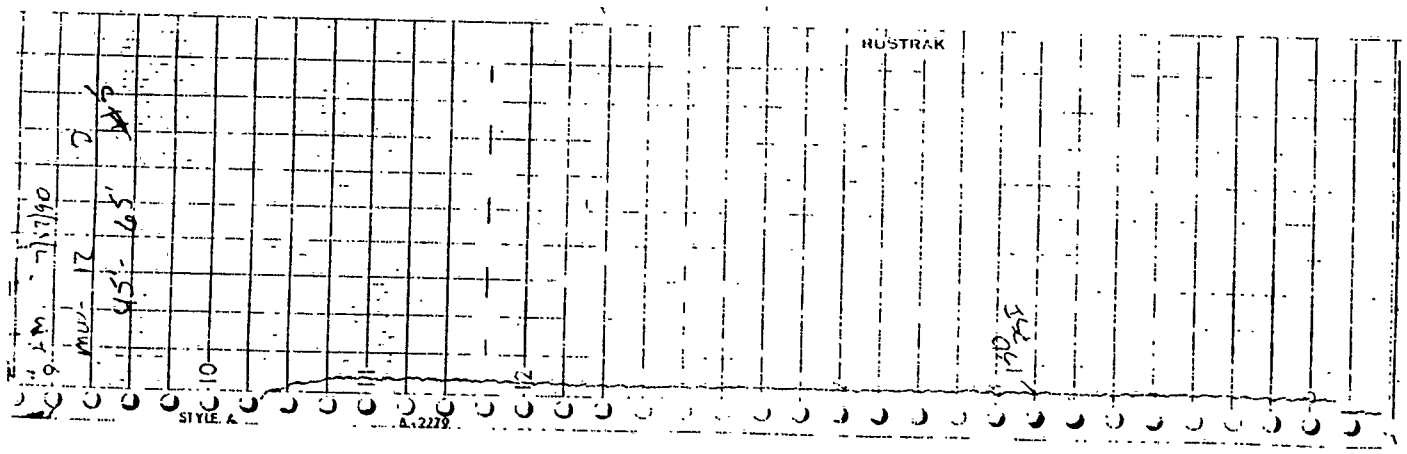
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 928





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-13

HOLE DEPTH: 300'

CASING DEPTH: 19'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPTH: 210' - 230'

TEST MUMBER: MW-13-1

TEST LENGTH: 3.56 MINUTES 3.75

MAXIMUM G.P.M. OF ACCEPTANCE: 4.50

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 3.09 2.93

TOTAL VOLUME ACCEPTED: 11 Gallons

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 629

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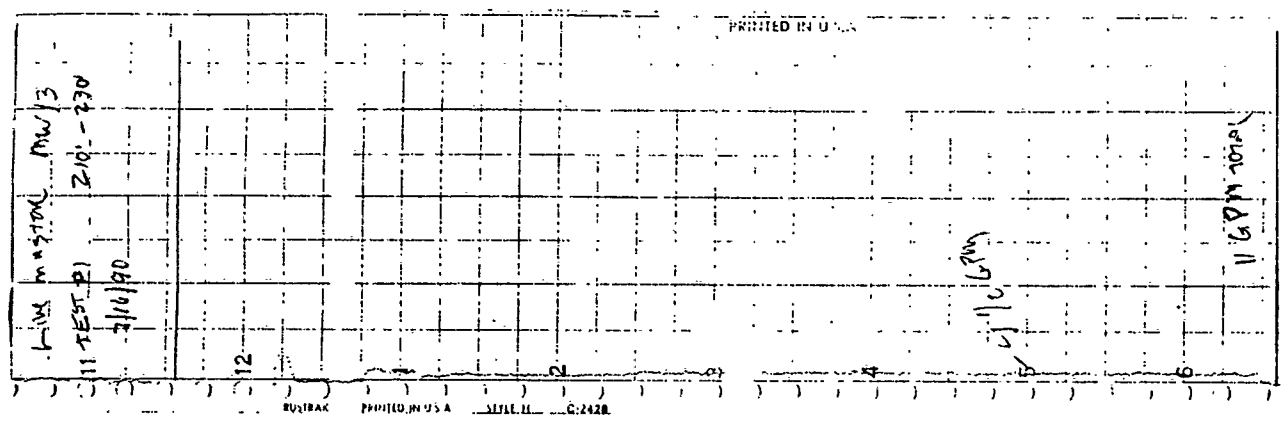
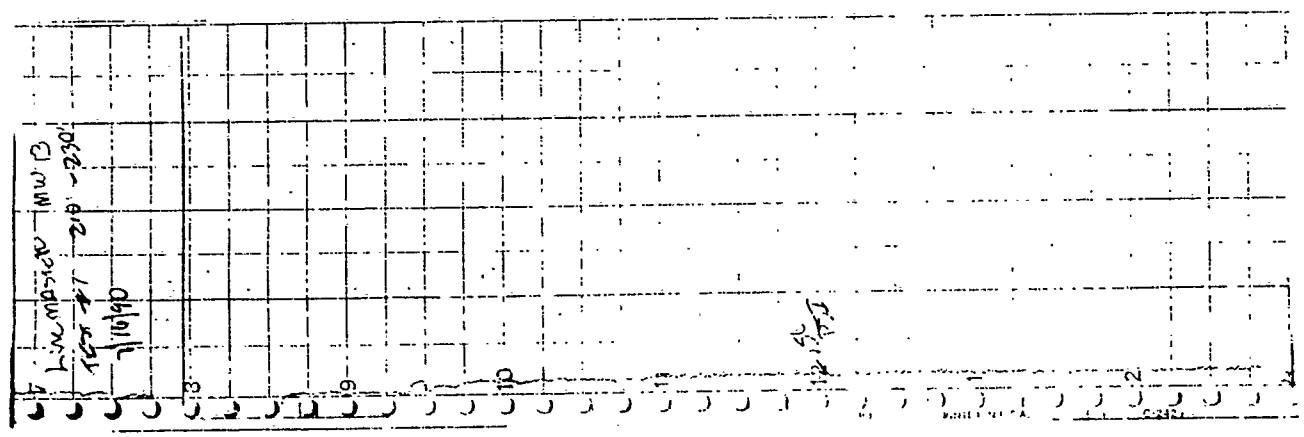
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 930





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-13

HOLE DEPTH: 300'

CASING DEPTH: 19'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPTH: 160' - 180'

TEST MUMBER: MW-13-2

TEST LENGTH: 3.25 MINUTES 3.45

MAXIMUM G.P.M. OF ACCEPTANCE: 2.00

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 1.23 1.15

TOTAL VOLUME ACCEPTED: 4 Gallons

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
931

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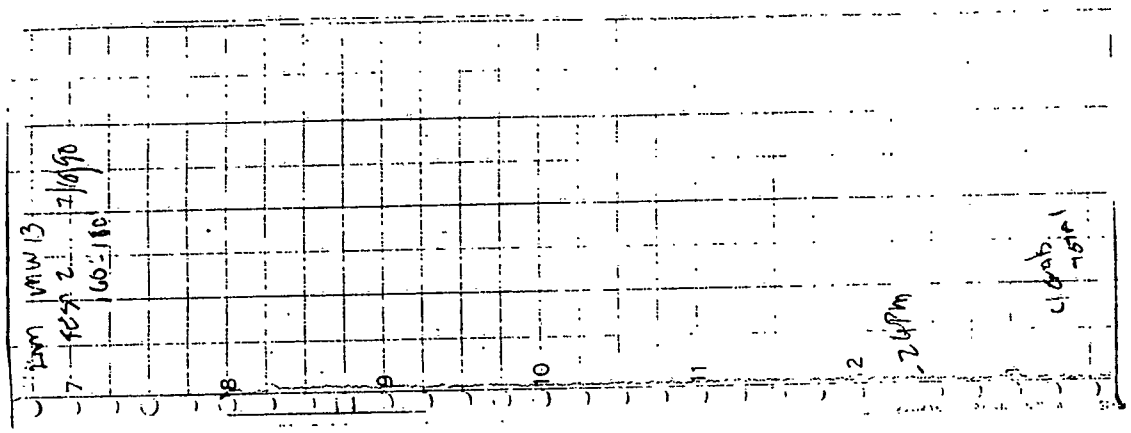
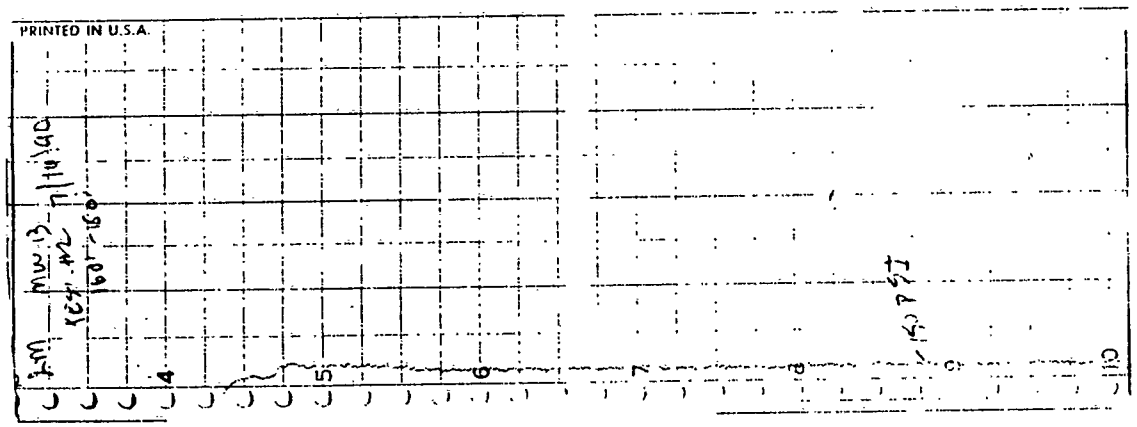
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 932





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-13

HOLE DEPTH: 300'

CASING DEPTH: 19'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 20'

ZONE DEPT _ 60' - 80'

TEST MUMBER: MW-13-3

TEST LENGTH: 5.50 MINUTES 5.70

MAXIMUM G.P.M. OF ACCEPTANCE: 8.00

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 8.00 7.72

TOTAL VOLUME ACCEPTED: 44 Gallons

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9 3 3

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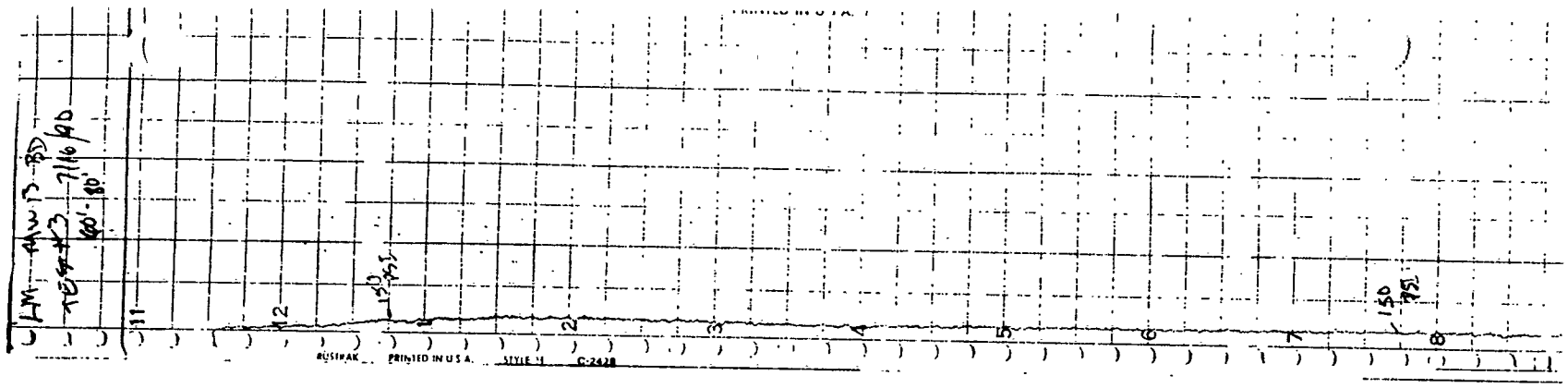
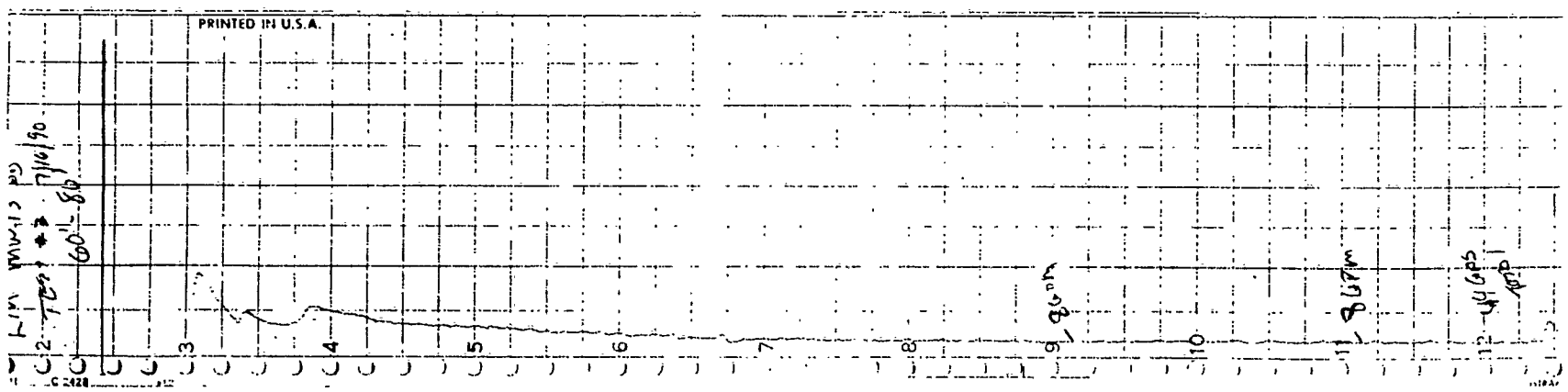
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 934





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 635

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-14~~8~~

HOLE DEPTH: 200'

CASING DEPTH: 23'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 30'

ZONE DEPTH: 170' - 200'

TEST MUMBER: MW-14-1

TEST LENGTH: ~~3.00~~ MINUTES 2.55

MAXIMUM G.P.M. OF ACCEPTANCE: 70.00

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: ~~60.00~~ 63.16

TOTAL VOLUME ACCEPTED: 180 Gallons

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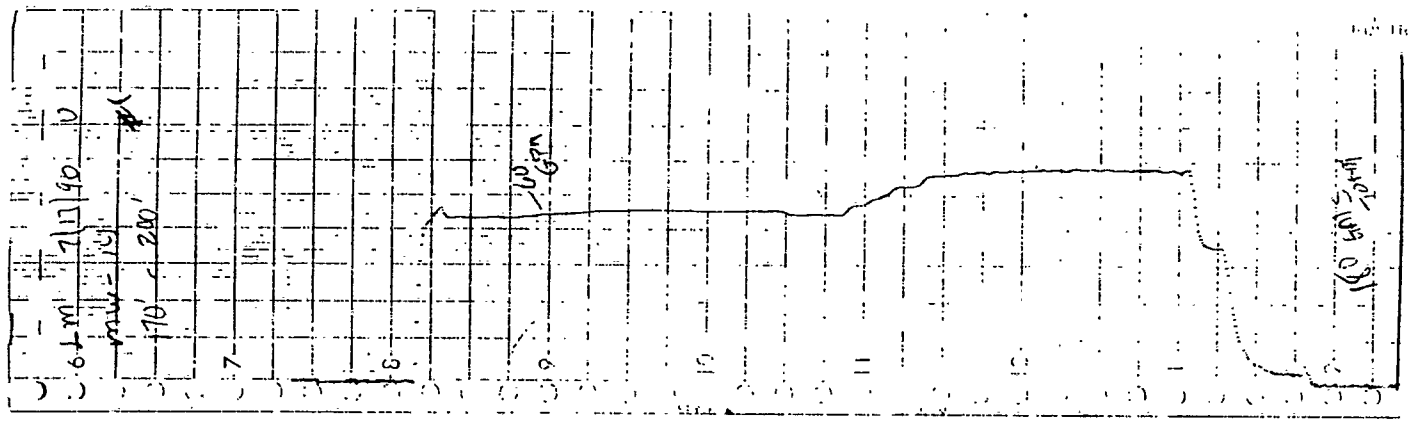
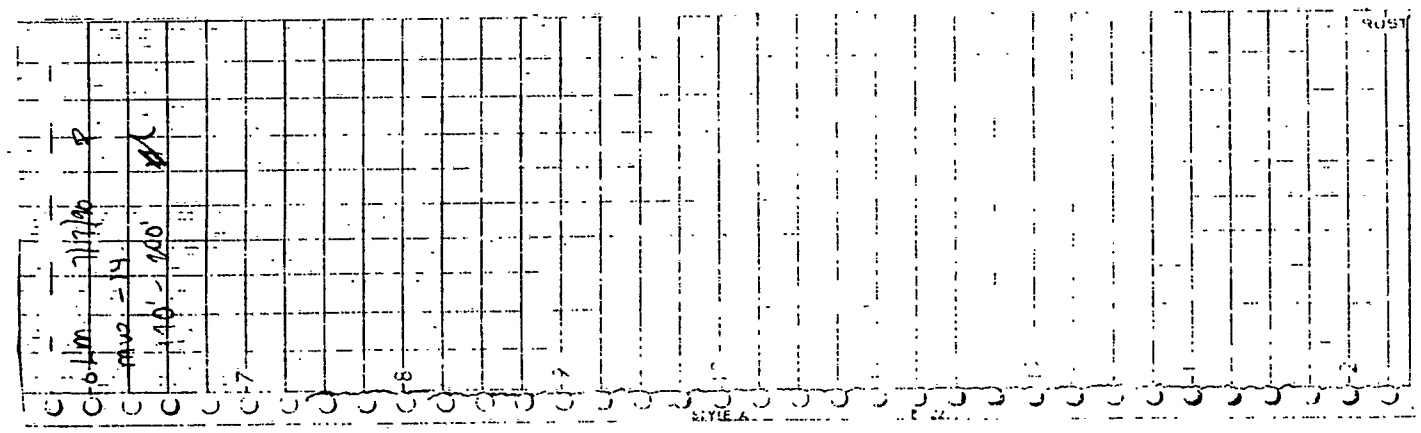
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 936





NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-14

HOLE DEPTH: 200'

CASING DEPTH: 23'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 30'

ZONE DEPTH: 80' - 110'

TEST MUMBER: MW-14-2

TEST LENGTH: 2.40 MINUTES 255

MAXIMUM G.P.M. OF ACCEPTANCE: 1.75

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 1.07 1.57

TOTAL VOLUME ACCEPTED: 4 Gallons

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LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 9371

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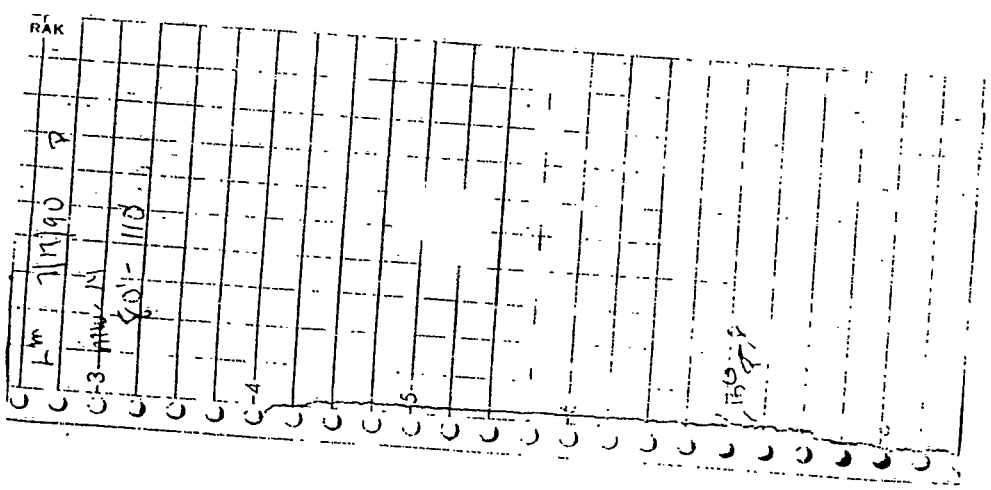
LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 938



NORTHEAST WATER PRODUCTION, INC.

14 LEGATE HILL ROAD P.O. BOX 658
STERLING, MASSACHUSETTS 01564
IN MASS 1-800-522-6996 OUT OF STATE 1-800-544-0402

PERMEABILITY TEST

COMPANY: Fuss & O'Neill / Linemaster Switch Corporation

CONTACTS: Jim Oleson / Gary Kennett

PHONE: 203-646-2469 / 203-974-1000

JOB SITE: Linemaster Switch Corporation, Woodstock, CT.

START DATE: 07-07-90

HOLE NUMBER: MW-14

HOLE DEPTH: 200'

CASING DEPTH: 23'

MAXIMUM PRESSURE: 150 P.S.I.

ZONE LENGTH: 30'

ZONE DEPTH: 40' - 70'

TEST MUMBER: MW-14-3

TEST LENGTH: 3.25 MINUTES

MAXIMUM G.P.M. OF ACCEPTANCE: 1.25

AVERAGE G.P.M. OF ACCEPTANCE @ 150 P.S.I: 1.253

TOTAL VOLUME ACCEPTED: 4 Gallons

NOTICE
If the filmed image is less clear than this Notice it is due to the quality of the document being filmed.

LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002
939

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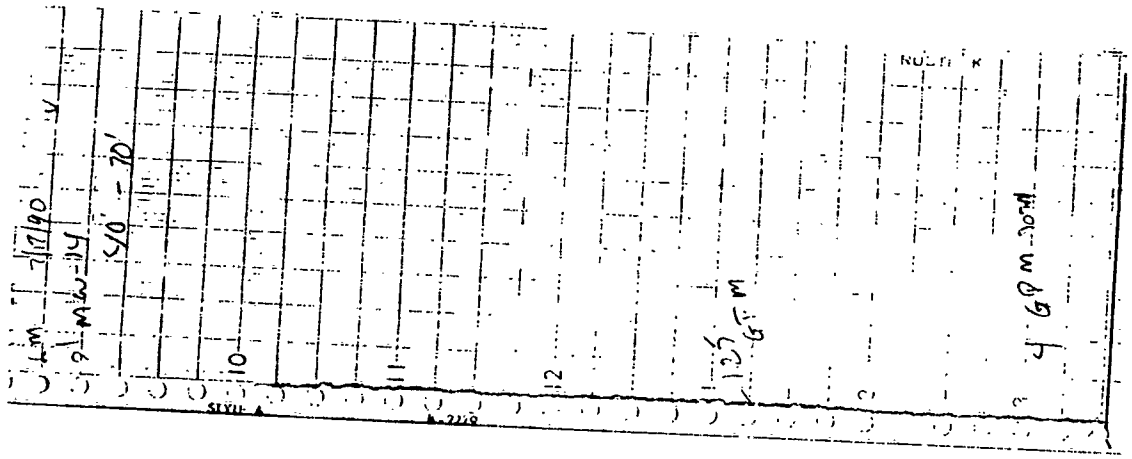
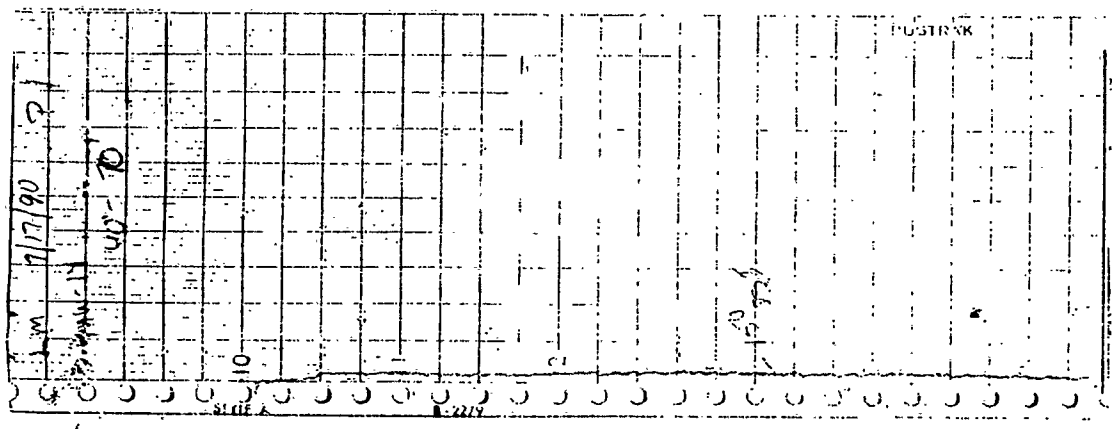
If the filmed image is less clear than this Notice it is due to the quality of the document being filmed.

LINEMASTER SWITCH
ADMINISTRATIVE RECORD

LIN002 940