UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD PANEL

Before Administrative Judge
Peter B. Bloch, Presiding Officer

In the Matter of	)	
HYDRO RESOURCES, INC. 2929 Coors Road, Suite 101 Albuquerque, NM 87120	)	Docket No. 40-8968-ML ASLBP No. 95-706-01-ML

WRITTEN TESTIMONY OF MAVIS SMITH

On behalf of Eastern Navajo Dine Against Uranium Mining ("ENDAUM") and Southwest Research and Information Center ("SRIC"), Mavis Smith submits the following testimony regarding the amended application of Hydro Resources, Inc. ("HRI") for a source materials license to conduct in situ leach ("ISL") uranium mining at three proposed sites in McKinley County, New Mexico, referred to as the "Crownpoint Uranium Project."

Q.1. Please state your name.

A.1. My name is Mavis Smith.

Q.2. Where do you live?

A.2. I live on the Navajo reservation in Brimhall, New Mexico.

EXHIBIT
6

Q.3. What is your occupation?

A.3. I am presently employed as the Office Manager for ENDAUM. I started working for ENDAUM in September, 1998. Before that, I was a full-time student at the University of New Mexico in Albuquerque, New Mexico. I graduated from the University of New Mexico on May 21, 1998. I have a Bachelor of Arts Degree in Psychology with a Minor in Human Services.

From May 29, 1998 to August 8, 1998, I served as an intern with the U.S. Department of Education, Office of Educational Research and Improvement in Washington, D.C.

Q.4. Are you a member of the Navajo Tribe?

A.4. Yes.

Q.5. Do you speak the Navajo language?

A.5. Yes. I am bilingual in Navajo and English.

Q.6. Are you familiar with the Crownpoint Uranium Mining Project proposed by HRI?

A.6. Yes. I have reviewed the Final Environmental Impact Statement to Construct and Operate the Crownpoint Uranium Solution Mining Project, Crownpoint, New Mexico ("FEIS") (February, 1997) as well as several other documents in the Hearing Record.

Q.7. Have you performed work related to this proceeding on behalf of ENDAUM?

A.7. Yes.

Q.8. Please describe the work you have performed.

A.8. As the staff person for ENDAUM, I conducted a land use survey in the Church Rock area, under the supervision of Dr. Robert Bullard.

Q.9. What was the purpose of the land use survey?

A.9. The purpose of the land use survey was to find out how people use the land in the Church Rock area near HRI's proposed uranium mining activities.

Q.10. How did you develop the land use survey?

A.10. Under the direction of Dr. Robert Bullard, I helped develop a survey which asked people living in the Church Rock area how they use their land, how many animals they own and graze, how and where they obtain water and for what uses, and how long they have lived at their home sites.

Q.11. How did you determine which people to interview?

A.11. Dr. Bullard determined that the boundaries of the survey area should include the northern portion of Township 16 North, Range 16 West, Section 2; Township 17 North, Range 16 West, Sections 35-36; Township 16 North, Range 16 West, Section 31; Township 15 North, Range 15 West, Sections 1-5; or in other words, an area within a 3 mile radius of the proposed mining project in Church Rock, including the project area itself. Then, based on the inspection of various maps and on my previous

knowledge of the Church Rock area, I traveled in my own vehicle to all of the homes within those boundaries.

Q.12. When did you conduct this land use survey?

A.12. I conducted interviews of the Church Rock area residents within the survey area on four days: January 20, January 30, January 31, and February 6, 1999.

Q.13. What survey methods did use use?

A.13. Dr. Bullard instructed me to conduct the survey as systematically as possible by asking the same questions of everyone, as they appear on the form, and by using the same Navajo language terms whenever I translated the survey into Navajo for Navajo-speaking residents. Generally, I recorded responses on the survey forms, but a few residents filled out their own forms. In recording responses, I sought to be as accurate as possible.

Q.14. How many surveys did you complete?

A.14. 45.

Q.15. Are the land use surveys in your possession?

A.15. Yes. The completed survey forms are attached to this testimony as Exhibit A.

Q.16. Does this conclude your testimony?

A.16. Yes.

AFFIRMATION

I declare under penalty of perjury on this 9th day of February, 1999, at Farmington, New Mexico, that the foregoing is true and correct.

Mavis Smith

Sworn and subscribed before me, the undersigned, a Notary Public in and for the State of New Mexico, on this 9th day of February, 1999. My Commission expires on 10/25/2001.

Notary Public

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-20-99 Interviewer Nancy Smith

Name of Person Interviewed: Jimmy H. Arviso
Mailing Address:
P.O. Box 808 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Old Church Rock Mine Road, Rural # [redacted] 60A

(map of location attached? Yes No)
How long have you lived at this location? All my life - over 60 years
How long has this land been in your family? All my life - many generations
How many people are in your family? (1) 2 3 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? _____
If yes, how many head of livestock do you graze?
sheep 70 plus goats ; # cattle ____; # horses ____; # other dogs 4

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Squash, melons, corn, watermelon, beans
If yes, how many acres are in crops? _____

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Red Rock State Park

How far away is this? 6 or 7 miles
How often do you haul water? Everyday
How much (in gallons) do you haul at any one time? 50 gallons
What do you use this water for? drinking, cooking, bathing irrigation, livestock
Describe the quality of this water: good, water is good for cooking

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-20-99 Interviewer Mark Smith

Name of Person Interviewed: Johnny H. Arviso
Mailing Address: Box 265 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Old Church Rock Rd, Rural 60 B

(map of location attached? Yes No)
How long have you lived at this location? All my life - over 60 years
How long has this land been in your family? All my life - many generations
How many people are in your family? 1 2 (3) 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? _____
If yes, how many head of livestock do you graze?
sheep 10; # cattle —; # horses —; # other _____

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Vegetables; squash, corn, watermelon, beans
If yes, how many acres are in crops? _____

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Red Rock State, Rehoboth and Gallup; we pay for the water.
How far away is this? 12 miles
How often do you haul water? Everyday
How much (in gallons) do you haul at any one time? more 30 gallons
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: Very good; clear

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan 30, 1999 M Smith

Name of Person Interviewed: Tom Arviso and Janice Y. Arviso
Mailing Address:
Box 56 Church Rock, New Mexico
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Happy Valley - House # 151B

(map of location attached? Yes No)

How long have you lived at this location? Since Birth, 62 years ago (Tom Arviso) Since 1954 (Janice Y. Arviso)
How long has this land been in your family? many generations, 5 generations
How many people are in your family? 1 2 3 4 5 6 more? 10
grandchildren 9

Do you use the land for grazing? (Yes) No 1 mile square
If yes, how many acres are used for grazing?_____
If yes, how many head of livestock do you graze?
sheep 40; # cattle 0; # horses 0; # other ---

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash, beans
If yes, how many acres are in crops? 5 acres

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Church Rock, Red Rock State Park

How far away is this? 7 one way 14 round trip
How often do you haul water? 2 x a week (~~pay for water~~)
How much (in gallons) do you haul at any one time? 50 (themselves) 40 gallons (livestock)
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: Water is okay
Drink bottle water for sale @ grocery store.

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan. 30, 1999 Mavis S...

Name of Person Interviewed: Sylvia Arviso
Mailing Address:
Box 704 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Happy Valley - House # 148C

(map of location attached? Yes No)

How long have you lived at this location? a long time 56 years since birth to today
How long has this land been in your family? Many generations, did not come from somewhere else
How many people are in your family? 1 2 3 (4) 5 6 more? Grandchildren 6

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 1 mile square
If yes, how many head of livestock do you graze?
sheep 21 ; # cattle 0 ; # horses 1 ; # other _____
+ goats

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? ~~5 acres~~ Corn, Squash, Corn
If yes, how many acres are in crops? 5 acres

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Church Rock, Rehoboth

How far away is this? 8 miles (one way) 16 round trip
How often do you haul water? every two weeks
How much (in gallons) do you haul at any one time? (3) 55 gallons
What do you use this water for? drinking, cooking, bathing, livestock
Describe the quality of this water: not very good, but no other place to get it.
Rehoboth and Church Rock water is sometimes very dark,

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-26-99 Interviewer Movis Smith

Name of Person Interviewed: William Arviso

Mailing Address:
Box 808, Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Old Church Rock Rd, Rural 60C

(map of location attached? Yes No)

How long have you lived at this location? All his life - over 60 years
How long has this land been in your family? All his life - many generations
How many people are in your family? (1) 2 3 4 5 6 more? 0

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing?
If yes, how many head of livestock do you graze?
sheep 5 + goats ; # cattle ; # horses ; # other

Do you use the land for growing crops? Yes No
If yes, what kind of crops do you grow?
If yes, how many acres are in crops?

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water

Do you haul water for any purpose? (Yes) No
Where do you get this water? Red Rock State Park; Rehobath and Gallup, I am a disable veteran
How far away is this? Along ways, too far, about 13 miles
How often do you haul water? everyday, it ~~cal~~ is very hard.
How much (in gallons) do you haul at any one time? about 20 gallons
What do you use this water for? Everything; drinking, cooking, washing,
Describe the quality of this water: Very good.

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan. 30, 1999 Mons

Name of Person Interviewed: Lorraine Begay + Harvey Begay
Mailing Address:
572 Church Rock, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Taberacle Rd, House 120A

(map of location attached? Yes No)
How long have you lived at this location? since birth, 58 yrs
How long has this land been in your family? for generations, on my father side
How many people are in your family? 1 2 3 4 5 6 more? 14

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? about 4
If yes, how many head of livestock do you graze?
sheep 17 ; # cattle 11 ; # horses 2 ; # other dog
goat

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? squash, corn, beans
If yes, how many acres are in crops? 4

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Church Rock, Rehoboth, (we pay for the water)

How far away is this? 22 miles
How often do you haul water? two times a week
How much (in gallons) do you haul at any one time? 55 gallons
What do you use this water for? drinking, cooking, bathing, livestock
Describe the quality of this water: good, clean water

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan. 30, 1999 Mavis Smith

Name of Person Interviewed: Nellie Begay
Mailing Address: P.O 535 Church Rock, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Red Top Road 74A-B

(map of location attached? Yes No)
How long have you lived at this location? All my life - 72
How long has this land been in your family? past on from generation
How many people are in your family? 1 2 (3) 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 560
If yes, how many head of livestock do you graze?
sheep 45 ; # cattle 14 ; # horses 1 ; # other _____
goat 65

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? 3 acres corn, squash, watermelon, Cantelope
If yes, how many acres are in crops? 3 acres

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	(Yes)	No
Livestock?	(Yes)	No

Describe the quality of this water Good water, water is check regularly by NTUA

Do you haul water for any purpose? (Yes) No
Where do you get this water? to Mariano Lake

How far away is this? Roundtrip; 30 miles
How often do you haul water? Often
How much (in gallons) do you haul at any one time? 55 gallon X 3
What do you use this water for? Cattle
Describe the quality of this water: good water for livestock

Split open ground
India farming in
of corn

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1/31/99 Interviewer Mavis Smith

Name of Person Interviewed: Hazel Curley & Clechus Curley
Mailing Address:
P/O Box 631 Churchrock NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: ——— W: ——— cell: yes
If no, do you have access to a telephone near your home? Yes No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Bedonti Tiesa RD House # 153C

(map of location attached? Yes (No))
How long have you lived at this location? like or 37 yrs.
How long has this land been in your family? like
How many people are in your family? 1 2 3 4 5 (6) more? ———

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? ———
If yes, how many head of livestock do you graze?
sheep ——; # cattle ——; # horses ——; # other pig

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn squash tomatoes, radishes
If yes, how many acres are in crops? 1/2 acres

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	(Yes)	No
Livestock?	(Yes)	No

Describe the quality of this water: hauling water

Do you haul water for any purpose? (Yes) No

Where do you get this water? Red Rock State park or Bubany lumber Company.

How far away is this? Gallup & Church Rock

How often do you haul water? every week.

How much (in gallons) do you haul at any one time? unknown

What do you use this water for? drinking cooking livestock bathing

Describe the quality of this water: Good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-20-99 Interviewer Mans Smith

Name of Person Interviewed: Edwin Gray
Mailing Address:
Church Rock 87311 P.O. Box 924
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W: 863-9543 cell:_____
If no, do you have access to a telephone near your home? Yes No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): old church Rock mine Road

(map of location attached? Yes No)

How long have you lived at this location? Life
How long has this land been in your family? Life
How many people are in your family? 1 2 3 4 (5) 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 40
If yes, how many head of livestock do you graze?
sheep 30 ; # cattle 18 ; # horses 6 ; # other _____

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? corn
If yes, how many acres are in crops? _____

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	~~Yes~~	No
Bathing?	~~Yes~~	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Church Rock

How far away is this? 7 miles
How often do you haul water? once in while
How much (in gallons) do you haul at any one time? 15 gallons
What do you use this water for? Drinking water
Describe the quality of this water: [redacted] clear

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-20-99 Interviewer Mavs Smith

Name of Person Interviewed: Jerald R. HOOD
Mailing Address: P.O. Box 804 Church Rock New Mexico 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No) (HRI) Can Provide the (Phone)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? (Yes) No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): leave Right across the Mine Site along Highway 566. On old Church Rock Mine Rd.
(map of location attached? Yes No)
How long have you lived at this location? (many Yrs. life Time)
How long has this land been in your family? life Time
How many people are in your family? 1 2 3 4 5 (6) more? Big Family

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 40 acres
If yes, how many head of livestock do you graze?
sheep 14 ; # cattle 19 ; # horses 8 ; # other

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Regular Corn Season
If yes, how many acres are in crops? 50' wide 200' long

Do you have running water in your home? (Yes) No
What do you use this water for? Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? (Yes) No
Livestock? (Yes) No
Describe the quality of this water This water is pure good water.

Do you haul water for any purpose? (Yes) No
Where do you get this water? across from the mine Site for Hwy 566 Pass and Horses
How far away is this? 1/2 mile South of mine Site along 566
How often do you haul water? Every two days Summer all the Time
How much (in gallons) do you haul at any one time? 1500 Gallon
What do you use this water for? Drinking and Pass and Horses
Describe the quality of this water: Right Now the water is safe and clear.

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-20-99 Interviewer Mavis Smith

Name of Person Interviewed: Glen Hood
Mailing Address:
P.O. Box 504 Churchrock NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes No ✓
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes No ✓

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 3 mile northeast of Springerville

(map of location attached? Yes No)
How long have you lived at this location? Lifetime 39 years
How long has this land been in your family? Lifetime
How many people are in your family? 1 2 3 4 5 6 more? ✓

Do you use the land for grazing? Yes ✓ No
If yes, how many acres are used for grazing?_____
If yes, how many head of livestock do you graze?
sheep 30 ; # cattle 18 ; # horses 5 ; # other_____

Do you use the land for growing crops? Yes ✓ No
If yes, what kind of crops do you grow? Corn
If yes, how many acres are in crops? two acres

Do you have running water in your home? Yes No ✓
What do you use this water for? Haul water

Drinking?	Yes ✓	No
Cooking?	Yes ✓	No
Bathing?	Yes ✓	No
Irrigation?	Yes	No
Livestock?	Yes ✓	No

Describe the quality of this water Haul water from statepark

Do you haul water for any purpose? Yes ✓ No Livestock & Drinking water
Where do you get this water? statepark or Gallup

How far away is this? three to nine miles from home
How often do you haul water? two to three week for drinking water every other day for livestock
How much (in gallons) do you haul at any one time? 40 gallons for drinking water
What do you use this water for? Drinking, cooking, Bathing, Livestock
Describe the quality of this water: water for cooking and bathing is good very clear
water for livestock is kind of rusty

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-20-99 Interviewer Mans Smith

Name of Person Interviewed: Beatrice Hood
Mailing Address:
P.O. Box 642, Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Old Church Rock Mine Rd. Rural # 102B

(map of location attached? Yes No)
How long have you lived at this location? a long time born, raised and still living here, 50 yr.
How long has this land been in your family? My grandparents lived here over 100 yrs
How many people are in your family? 1 2 (3) 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? _____
If yes, how many head of livestock do you graze?
sheep —; # cattle 23; # horses ____; # other ____
During the UNC mining, we lost our ~~sheep and~~ horses. They were killed by trucks (due) from the UNC mining.
Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash,
If yes, how many acres are in crops? 1 acre

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup

How far away is this? 18 miles round trip
How often do you haul water? 2X a week
How much (in gallons) do you haul at any one time? 1,000 gallons
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan 30, 1999 [illegible]

Name of Person Interviewed: Holland, Julia
Mailing Address: P. O. Box 2654 Gallup 87305
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Happy Valley Road - 136A

(map of location attached? Yes No)
How long have you lived at this location? All my life, since birth
How long has this land been in your family? for many generation
How many people are in your family? (1) 2 3 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 3 acres
If yes, how many head of livestock do you graze?
sheep 70 goats; # cattle____; # horses 1; # other_____

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash, beans
If yes, how many acres are in crops? 3 acres

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Church Rock, Red Rock State Park
How far away is this? _____
How often do you haul water? 2 x a week
How much (in gallons) do you haul at any one time? 55 gallon
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: good water

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 1-20-99 Interviewer Nbr Smith

Name of Person Interviewed: Marie A. Johnson
Mailing Address:
Bx 241 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes No
If yes, your phone numbers are: H:_____ W: _____ cell: 979-3053
If no, do you have access to a telephone near your home? Yes No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Old Church Rock mine Road, Rural # 60D

(map of location attached? Yes No)
How long have you lived at this location? all my life ; 54 years
How long has this land been in your family? Over a 100 years, Past on from generation to
How many people are in your family? 1 2 3 4 (5) 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? _____
If yes, how many head of livestock do you graze?
sheep 10 ; # cattle _____; # horses 1 ; # other _____

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash beans, watermelon
If yes, how many acres are in crops? 4 acres

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Red Rock State Park, Rehoboth Water
How far away is this? about 5 miles
How often do you haul water? Everyday
How much (in gallons) do you haul at any one time? 10 gallons
What do you use this water for? Drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: Red Rock State Park → clear, good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan. 30, 1999 Interviewer Mavis Smith

Name of Person Interviewed: lester and Mary Jim
Mailing Address:
Box 704 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Pipeline Rd house # 161

(map of location attached? Yes No)

How long have you lived at this location? 65 Years
How long has this land been in your family? 2 generations
How many people are in your family? 1 2 3 4 5 (6) more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 1 sq. mile
If yes, how many head of livestock do you graze?
sheep 6 ; # cattle 4 ; # horses 0 ; # other 0
goat 2.

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, Pumkin
If yes, how many acres are in crops? less than an acre

Do you have running water in your home? (Yes) No
What do you use this water for?
Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? Yes (No)
Livestock? (Yes) No
Describe the quality of this water good; from Pinedale

Do you haul water for any purpose? (Yes) No
Where do you get this water? Rehobath, we pay for the water

How far away is this? 9 1/2 one way to Rehobath
How often do you haul water? Every other day
How much (in gallons) do you haul at any one time? 25 gallons
What do you use this water for? livestock
Describe the quality of this water: good water; we pay 25¢ to 25 gallon

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 30, 99 Interviewer Mary Smith

Name of Person Interviewed: Linda Jim

Mailing Address: P.O. Bx 704 Church Rock, NM 87311

P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Pipeline Road - House # 161 B

(map of location attached? Yes No)

How long have you lived at this location? 2 Years; always been around
How long has this land been in your family? 2 generations
How many people are in your family? 1 2 3 (4) 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 2 huge area acre
If yes, how many head of livestock do you graze?
sheep 0; # cattle 0; # horses 0; # other —

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, pumkin, squash
If yes, how many acres are in crops? 1/2 acre

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	(No)

Describe the quality of this water good; from Pinedale

Do you haul water for any purpose? Yes (No)

Where do you get this water? _____

How far away is this? _____

How often do you haul water? _____

How much (in gallons) do you haul at any one time? _____

What do you use this water for? _____

Describe the quality of this water: _____

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 31, 1999 Interviewer Mona Smith

Name of Person Interviewed: Judy King
Mailing Address: P.O Bx 734 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: _____ W: 722-7218 cell: _____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Pipeline Rd House #

(map of location attached? Yes No)
How long have you lived at this location? 33 years
How long has this land been in your family? 2 generations
How many people are in your family? 1 2 3 (4) 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? a huge area
If yes, how many head of livestock do you graze?
sheep 5 ; # cattle 12 ; # horses 5 ; # other _____
goat 3 ;

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash, beans
If yes, how many acres are in crops? 1/2 acre

Do you have running water in your home? (Yes) No
What do you use this water for? Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? (Yes) No
Livestock? (Yes) No
Describe the quality of this water good

Do you haul water for any purpose? Yes (No)
Where do you get this water? _____

How far away is this? _____
How often do you haul water? _____
How much (in gallons) do you haul at any one time? _____
What do you use this water for? _____
Describe the quality of this water: _____

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan. 30, 1999 MonsSr

Name of Person Interviewed: Cherlyn Kasuse + Harrison Kasuse
Mailing Address:
PO 273 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes No
If yes, your phone numbers are: H:_____ W: _____ cell: ✓
If no, do you have access to a telephone near your home? (Yes) No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Tabernacle Rd House 161

(map of location attached? Yes No)

How long have you lived at this location? over a year
How long has this land been in your family? 2 to 3 generations
How many people are in your family? 1 2 3 4 (5) 6 more? _____

Do you use the land for grazing? Yes (No)
If yes, how many acres are used for grazing?_____
If yes, how many head of livestock do you graze?
sheep_____; # cattle_____; # horses_____; # other_____

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash
If yes, how many acres are in crops? _____

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	(No)

Describe the quality of this water Sometimes good and sometimes not, when they are putting in new pipes to other house

Do you haul water for any purpose? Yes (No)

Where do you get this water? _____

How far away is this? _____

How often do you haul water? _____

How much (in gallons) do you haul at any one time? _____

What do you use this water for? _____

Describe the quality of this water: _____

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: January 31 Interviewer: Nancy Smith

Name of Person Interviewed: Jenny B. Lewis
Mailing Address: PO Box 141 Churchrock NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:____ W:____ cell:____
If no, do you have access to a telephone near your home? (Yes) No 863 5442 (Message)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 4 miles from Old UNC Mine

(map of location attached? Yes No)
How long have you lived at this location? 112
How long has this land been in your family? 2-3 generations
How many people are in your family? 1 2 3 4 5 6 more? 11

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 100+
If yes, how many head of livestock do you graze?
sheep____; # cattle 40; # horses 10; # other____

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn - Squash
If yes, how many acres are in crops? 40

Do you have running water in your home? (Yes) No
What do you use this water for?
Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? Yes (No)
Livestock? (Yes) No
Describe the quality of this water Clay

Do you haul water for any purpose? (Yes) No
Where do you get this water? Tohlup NM

How far away is this? 25 miles round
How often do you haul water? Weekly
How much (in gallons) do you haul at any one time? 200 gallons
What do you use this water for? Drinking water + livestock
Describe the quality of this water: [illegible]

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

mailing list

Date of Survey: 01-31-99 Interviewer Morris Smith

Name of Person Interviewed: Edison Leslie / Lena Leslie
Mailing Address: P.O Bx ~~245~~ 2345 Gallup, NM 87305
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W: 863-5268 cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the physical location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 159A Pipe Rd 8

(map of location attached? Yes No)

How long have you lived at this location? 4 years
How long has this land been in your family? 4 generations
How many people are in your family? 1 2 (3) 4 5 6 more? ____

Do you use the land for grazing? Yes (No)
If yes, how many acres are used for grazing?_____
If yes, how many head of livestock do you graze?
sheep ___; # cattle ___; # horses ___; # other ___

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, pumkin, beans, squash
If yes, how many acres are in crops? 1/2 acre

Do you have running water in your home? (Yes) No
What do you use this water for?
Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? Yes (No)
Livestock? Yes (No)

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup

How far away is this? 25 miles (one way)
How often do you haul water? every day
How much (in gallons) do you haul at any one time? 7-10 gallons
What do you use this water for? drinking, cooking, bathing
Describe the quality of this water: good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 19 January 2 Interviewer Mms Smith

Name of Person Interviewed: Willie Lewis
Mailing Address: PO Box 461, Gallup NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W: 863 3846 cell:_____
If no, do you have access to a telephone near your home? (Yes) No 863 5442 message

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 4 miles from old UNC Mine

(map of location attached? Yes No)

How long have you lived at this location? life
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 3 4 5 6 more? 11

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 160 +
If yes, how many head of livestock do you graze?
sheep____; # cattle 40; # horses 10; # other____

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn
If yes, how many acres are in crops? 4

Do you have running water in your home? (Yes) No
What do you use this water for? Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? Yes (No)
Livestock? (Yes) No
Describe the quality of this water Okay

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup NM

How far away is this? 25 miles approx
How often do you haul water? Monthly
How much (in gallons) do you haul at any one time? 500 Gallons
What do you use this water for? Drinking water - livestock
Describe the quality of this water: Okay good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan. 31, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Marian Livingston
Mailing Address: P.O Box 412 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Becenti Road; 2 1/2 mile NW Hwy 566 off Hwy
(map of location attached? Yes No)
How long have you lived at this location? more than 40 years
How long has this land been in your family? 4 generations
How many people are in your family? 1 2 3 4 5 6 more? 7

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 3 Sections
If yes, how many head of livestock do you graze?
sheep 15 ; # cattle — ; # horses — ; # other — goat (reduced due to water contamination from UNC spill)

Do you use the land for growing crops? Yes No
If yes, what kind of crops do you grow? In the past, not anymore because
If yes, how many acres are in crops? of dryness.

Do you have running water in your home? (Yes) No
What do you use this water for?
Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? Yes (No)
Livestock? (Yes) No
Describe the quality of this water Sometimes too much Cholorine, it causes the pipes to rust.

Do you haul water for any purpose? (Yes) No
Where do you get this water? Rainwater, and

How far away is this? 100 feet
How often do you haul water?
How much (in gallons) do you haul at any one time?
What do you use this water for? Livestock
Describe the quality of this water: good for livestock

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-31-99 Interviewer Mans Smith

Name of Person Interviewed: Peter Earl / Rose Livingston
Mailing Address:
Box 305 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: YES
If no, do you have access to a telephone near your home? Yes No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Bacon Road - House #
Regality - 82
(map of location attached? Yes No)
How long have you lived at this location? 20 years (Earl) Rose Livingston (45 years)
How long has this land been in your family? 4 generations
How many people are in your family? 1 2 3 4 (5) 6 more? _____

Do you use the land for grazing? Yes (No)
If yes, how many acres are used for grazing? —
If yes, how many head of livestock do you graze?
sheep —; # cattle —; # horses —; # other _____

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? _____
If yes, how many acres are in crops? _____

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	(Yes)	No

Describe the quality of this water Sometimes good or rusty, too much chlorine

Do you haul water for any purpose? Yes (No)
Where do you get this water? _____

How far away is this? _____
How often do you haul water? _____
How much (in gallons) do you haul at any one time? _____
What do you use this water for? _____
Describe the quality of this water: _____

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Mons Smith

Name of Person Interviewed: Alton Livingston
Mailing Address:
P.O. Box 412 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell:
If no, do you have access to a telephone near your home? Yes No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Section 16
Beside Road, Nose Rock
(map of location attached? Yes No)
How long have you lived at this location? All my life, 36 years
How long has this land been in your family? 3-4 Generations
How many people are in your family? (1) 2 3 4 5 6 more?

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 5 Sections
If yes, how many head of livestock do you graze?
sheep; # cattle; # horses; # other
= Cattle

Do you use the land for growing crops? Yes (No) Yes, in the past
If yes, what kind of crops do you grow? dryness
If yes, how many acres are in crops?

Do you have running water in your home? (Yes) No
What do you use this water for? Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? (Yes) No
Livestock? (Yes) No
Describe the quality of this water Sometimes, too much Chlorine

Do you haul water for any purpose? Yes (No)

Where do you get this water?

How far away is this?

How often do you haul water?

How much (in gallons) do you haul at any one time?

What do you use this water for?

Describe the quality of this water:

age group
education level

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-31-99 Interviewer Mons Smith

Name of Person Interviewed: Glenn Y. Livingston / Lorraine Livingston
Mailing Address:
Bx 512 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes / No
Village 505 488-6045

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Church Road - House 14?

(map of location attached? Yes No)

How long have you lived at this location? Since birth 79 years
How long has this land been in your family? 1945 Section 24 (380)
How many people are in your family? 1 2 3 4 5 6 more? 14

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 168
If yes, how many head of livestock do you graze?
sheep 60 ; # cattle — ; # horses 3 ; # other
= 20 is 45

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? — Sorry, land is contaminated.
If yes, how many acres are in crops?

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	No

Describe the quality of this water It's hard water, only for washing purpose

Do you haul water for any purpose? (Yes) No

Where do you get this water? Chapwell from Twin Lakes area.

How far away is this? About 20 miles (one way)

How often do you haul water? Twice a month

How much (in gallons) do you haul at any one time? 80 gallons 160 per month

What do you use this water for? drinking & Cooking only

Describe the quality of this water: Clear & pure, water like good water

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-31-99 Interviewer Mavis Smith

Name of Person Interviewed: Bennie Livingston / Annie Livingston
Mailing Address:
Box 28 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? (Yes No
Pay phone

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Becenti Road - House # 144

(map of location attached? Yes No)
How long have you lived at this location? Since birth; life time, 39 years
How long has this land been in your family? 3 generation, and plus
How many people are in your family? 1 2 3 (4) 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing?_____
If yes, how many head of livestock do you graze?
sheep 18; # cattle_____; # horses_____; # other_____ Care for other people's livestock
I got 45

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? Dryness, No water and land
If yes, how many acres are in crops? _____ / Contamination
Concern for health.

Do you have running water in your home? (Yes) No
What do you use this water for? Drinking? Yes No
Cooking? Yes No
Bathing? (Yes) No
Irrigation? Yes No
Livestock? Yes No
Describe the quality of this water Smells like Chorline

Do you haul water for any purpose? (Yes) No
Where do you get this water? Twin Lakes

How far away is this? About 20 miles
How often do you haul water? twice a month
How much (in gallons) do you haul at any one time? 80 gallons
What do you use this water for? drinking, cooking
Describe the quality of this water: good.

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-31-99 Interviewer Mons Smith

Name of Person Interviewed: Wilson, Laurie, ~~Terrie~~ Jay Livingston
Mailing Address: PO Box 463 Church Rock, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes No
Aunt - near home

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Breaks Road - 1/2 mile north 1585
(map of location attached? Yes No)
How long have you lived at this location? More than 50 years
How long has this land been in your family? Many generation, 2 generations
How many people are in your family? 1 2 3 4 (5) 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 60
If yes, how many head of livestock do you graze?
sheep____; # cattle 20; # horses____; # other_____
goat

Do you use the land for growing crops? Yes No [illegible]
If yes, what kind of crops do you grow? [illegible]
If yes, how many acres are in crops? _____

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	No

Describe the quality of this water [illegible] but [illegible] water
[illegible] salty water

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup, Bidahochi, [illegible]

How far away is this? 19 miles one way
How often do you haul water? Once a week
How much (in gallons) do you haul at any one time? [illegible]
What do you use this water for? Drinking, Cooking
Describe the quality of this water: [illegible] good [illegible] water
[illegible]

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan. 31, 1999 Interviewer Maris Smith

Name of Person Interviewed: Johnny Livingston
Mailing Address:
P.O. Box 142 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Highway 566 House 709

(map of location attached? Yes No)
How long have you lived at this location? about 15 years
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 3 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 2 section
If yes, how many head of livestock do you graze?
sheep 10; # cattle 4; # horses 4; # other _____
about 6

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Season corn, beans,
If yes, how many acres are in crops? 1 acre

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup, Crownpoint

How far away is this? Crownpoint - about 47 miles (two way) Gallup 15 miles (two way)
How often do you haul water? once a week
How much (in gallons) do you haul at any one time? 600 gallons
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: Clean water
boiled water for drinking + cooking.

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: January 30, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Gloria Livingston
Mailing Address: Box 986 Church Rk, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Bread - no house #

(map of location attached? Yes No)
How long have you lived at this location? Since birth; 42 years
How long has this land been in your family? 3 generations
How many people are in your family? 1 (2) 3 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 5 acres
If yes, how many head of livestock do you graze?
sheep 5 ; # cattle —; # horses —; # other —
goat

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash, beans
If yes, how many acres are in crops? _____

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water —

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup

How far away is this? 9 1/2 one way
How often do you haul water? once a week
How much (in gallons) do you haul at any one time? 55 gallon
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: good + clean water; not salty

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: January 30, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Dorothy Livingston
Mailing Address: Bx 142 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Bocanti Rd – House 54D

(map of location attached? Yes No)
How long have you lived at this location? Since birth, 60 years
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 (3) 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? _____
If yes, how many head of livestock do you graze?
sheep 6/2; # cattle —; # horses —; # other —
Not 7

Do you use the land for growing crops? Yes No
If yes, what kind of crops do you grow? Corn squash
If yes, how many acres are in crops? 1 acre

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup

How far away is this? 9 1/2 mile (one way)
How often do you haul water? 1 x a week
How much (in gallons) do you haul at any one time? 250 gallons
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: Good water from Gallup

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 30, 1999 Interviewer Mons Smith

Name of Person Interviewed: Marilyn Livingston
Mailing Address: P.O. Box 142 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Bennti Rd - House 54B

(map of location attached? Yes No)
How long have you lived at this location? a long time since birth 61 years
How long has this land been in your family? Many years; 3 generations
How many people are in your family? 1 2 3 (4) 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? _____
If yes, how many head of livestock do you graze?
sheep 42; # cattle —; # horses —; # other —
goat 7;
Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash
If yes, how many acres are in crops? 1 acre

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup

How far away is this? 9½ miles (one way)
How often do you haul water? once a week
How much (in gallons) do you haul at any one time? 250 gallons
What do you use this water for? drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: good water from Gallup

Swift. livestock graz
Tides',

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01.31.99 Interviewer Mavis Smith

Name of Person Interviewed: Sara Montoya

Mailing Address:
P.O. Box 404 Gallup, N.M. 87305-0404
P.O. Box or Street Address

Do you have a telephone in your home? Yes No
If yes, your phone numbers are: H: 722-4117 W: 722-4411 cell: 469-2858
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.):
tanaing Rock, Chapter
(map of location attached? Yes No)

How long have you lived at this location? Life
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 3 4 5 6 more? 40

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing?
If yes, how many head of livestock do you graze?
sheep 15 ; # cattle 25 ; # horses 5 ; # other

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow?
If yes, how many acres are in crops?

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	(No)

Describe the quality of this water Okay

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup Churchrock, Crownpoint

How far away is this? 30 or more
How often do you haul water? daily
How much (in gallons) do you haul at any one time? 100 gallons
What do you use this water for? drinking, cooking, horses & cattle
Describe the quality of this water: Salty, hardwater

Want to hear from us

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 31, 1999 Interviewer Mona Smith

Name of Person Interviewed: Alfred / Vera Murphy
Mailing Address: P.O. Box 358 Church Rock NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: NO W: ✓ cell: ✓ 870-0467
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): # 163 Pipeline Rd - Rural address downwind from UMC tailing.
(map of location attached? Yes No)
How long have you lived at this location? Alfred - all my life 30 Vera: 10 years
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 3 4 (5) 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 1 mile square mile
If yes, how many head of livestock do you graze?
sheep ____; # cattle 20; # horses 3; # other 1 Shetton
goat

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? ____
If yes, how many acres are in crops? ____

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	(No)

Describe the quality of this water Good water

Do you haul water for any purpose? (Yes) No
Where do you get this water? Windmill, nearby

How far away is this? 1/2 a mile A/quater of a mile
How often do you haul water? twice a week
How much (in gallons) do you haul at any one time? 100 gallon in a week
What do you use this water for? horses
Describe the quality of this water: just for livestock purpose

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 31, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Elsie Leslie's / Ray Murphy grandson

Mailing Address: P.O. Box 703 Church Rock, NM 87311

P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Lexal Canyon Rd 1870

(map of location attached? Yes No)

How long have you lived at this location? 80 years
How long has this land been in your family? 3 generation
How many people are in your family? (1) 2 3 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 3 miles square
If yes, how many head of livestock do you graze?
sheep 23 ; # cattle Son ; # horses Son ; # other _____
goat 2

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? ~~[illegible]~~, corn, pumkin, potatoes
If yes, how many acres are in crops? 1 acre

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	(No)

Describe the quality of this water Clean from Pinedale

Do you haul water for any purpose? (Yes) No
Where do you get this water? Rehoboth

How far away is this? 10 miles one way
How often do you haul water? Once a week
How much (in gallons) do you haul at any one time? 2 barrels
What do you use this water for? livestock, horses cattle, sheep
Describe the quality of this water: Good; also drinkable

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 30, 1998 Interviewer Mavis Smith

Name of Person Interviewed: Annie Nez / Alfred Nez
Mailing Address: P O Box 703 Church Rock, NM 87311
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:____ W: 722-3876 cell:____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Pipeline Rd 187C

(map of location attached? Yes No)
How long have you lived at this location? All my life, over 50 years
How long has this land been in your family? 3 generations or more
How many people are in your family? 1 2 3 4 5 (6 more? 7 including 3 grandchildren)

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing?____
If yes, how many head of livestock do you graze?
sheep 60; # cattle 75; # horses 3; # other —
goat —

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn, squash
If yes, how many acres are in crops? 1 acre

Do you have running water in your home? (Yes) No
What do you use this water for?
Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? Yes (No)
Livestock? (Yes) No
Describe the quality of this water good

Do you haul water for any purpose? (Yes) No
Where do you get this water? Sometimes from Gallup, nearby Windmill
How far away is this? Gallup 20 miles / Windmill 1/2 mile
How often do you haul water? twice a week
How much (in gallons) do you haul at any one time? 50 gallons
What do you use this water for? horses
Describe the quality of this water:____

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 31, 1999 Interviewer Mave Smith

Name of Person Interviewed: Alta Yazzie / Delbert Son Antonio / Billy Ya

Mailing Address: Box 748 Church Rock, NM

P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): local Canyon Rd #

(map of location attached? Yes No)

How long have you lived at this location? 65 years
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 3 4 5 (6) more? 10
Grandchildren - 5

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing?
If yes, how many head of livestock do you graze?
sheep 0 ; # cattle 0 ; # horses 0 ; # other 0
goat 0 ;

Do you use the land for growing crops? Yes (No) No!
If yes, what kind of crops do you grow?
If yes, how many acres are in crops?

Do you have running water in your home? Yes (No)

What do you use this water for?		
Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water

Do you haul water for any purpose? (Yes) No
Where do you get this water? Rehoboth

How far away is this? 11 miles (one way)
How often do you haul water? every week
How much (in gallons) do you haul at any one time? 2 gallon
What do you use this water for? drinking, cooking, bathing, cleaning
Describe the quality of this water: Clean Water

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan 30, 1999 Mavis Smith

Name of Person Interviewed: Roger Williams
Mailing Address:
P. 653 Jugstreet, Gallup, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:____ W:____ cell:____
If no, do you have access to a telephone near your home? (Yes) No Dead Horse Thrift stor

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Happy Valley Rd 120

(map of location attached? Yes No)
How long have you lived at this location? All my life; over 45 years
How long has this land been in your family? many generations; 2 generation
How many people are in your family? 1 2 3 4 (5) 6 more?____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 5 acres
If yes, how many head of livestock do you graze?
sheep 15; # cattle 2; # horses 1; # other____
goats 0

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? corn, squash, beans apple, pear, plum, grape, apricots, tree
If yes, how many acres are in crops? 5 acres

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water ____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Rubony lumber, Church Rock State Park, Rehoboth Christian School
How far away is this? 8 or 9 miles (one way)
How often do you haul water? once a week; sometime 2X a week
How much (in gallons) do you haul at any one time? 250 gallons
What do you use this water for? Drinking, cooking, bathing, irrigation, livestock
Describe the quality of this water: 0 - 10; its about 5.

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: 01-30-99 Interviewer Jan. 30, 1999 MBWS Sr. 4h

Name of Person Interviewed: Tom Williams and Ann Williams
Mailing Address: P.O Box 2654 Gallup, NM 87305
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: — cell: —
If no, do you have access to a telephone near your home? Yes No Deadhorse Thrift Store

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Happy Valley B64

(map of location attached? Yes No)
How long have you lived at this location? Tom Williams 50 - Ann Williams - over
How long has this land been in your family? many generations, past on from grandparents
How many people are in your family? 1 (2) 3 4 5 6 more? over

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 8 acres
If yes, how many head of livestock do you graze?
sheep 70 ; # cattle ____ ; # horses 1 ; # other ____
goat

Do you use the land for growing crops? (Yes) No
If yes, what kind of crops do you grow? Corn squash, beans
If yes, how many acres are in crops? 3 acres

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water ____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Church Rock, Red Rock State Park

How far away is this? ____
How often do you haul water? 2x a week
How much (in gallons) do you haul at any one time? 165 gallon
What do you use this water for? Drinking, Cooking, Bathing, Irrigation, livestock
Describe the quality of this water: Good water; taste good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 31, 1999 Interviewer Mons Smith

Name of Person Interviewed: Jerry Whitrock
Mailing Address: P.O. Box 478 Church Rock, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No) 505 786-5844
If yes, your phone numbers are: H: ___ W: ___ cell: ___
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Pipeline Rd House 201

(map of location attached? Yes No)
How long have you lived at this location? all my life 51 years
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 3 4 (5) 6 more? ___

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? a large area
If yes, how many head of livestock do you graze?
sheep 3 ; # cattle 23 ; # horses 7 ; # other —
0 0

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? ___
If yes, how many acres are in crops? ___

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	(Yes)	No
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	(Yes)	No

Describe the quality of this water: Hard water

Do you haul water for any purpose? (Yes) No
Where do you get this water? Sometimes from Gallup or nearby Windmill
How far away is this? Gallup; 70 miles (one way) Windmill (1/2 mile)
How often do you haul water? Once a week
How much (in gallons) do you haul at any one time? 50 gallon
What do you use this water for? livestock
Describe the quality of this water: Gallup water is okay; treated

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: Jan 31, 1999 Interviewer Mars Smith

Name of Person Interviewed: Lucille Whitrock
Mailing Address:
P.O. Box 478 Church Rock, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: — W: ✓ cell: —
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 3 miles (Pipeline Rd House 201A

(map of location attached? Yes No)
How long have you lived at this location? All my life; over 30 years
How long has this land been in your family? 3 generation
How many people are in your family? 1 2 3 4 (5) 6 more? —
age group 13-51

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? a large area
If yes, how many head of livestock do you graze?
sheep 3 ; # cattle 28 ; # horses 7 ; # other —
goat

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? —
If yes, how many acres are in crops? —

Do you have running water in your home? (Yes) No
What do you use this water for?
Drinking? (Yes) No
Cooking? (Yes) No
Bathing? (Yes) No
Irrigation? Yes (No)
Livestock? (Yes) No
Describe the quality of this water It's pretty good water

Do you haul water for any purpose? (Yes) No
Where do you get this water? Sometimes from Gallup, or Windmill
How far away is this? Gallup 20 miles one way; Windmill 1/2 mile
How often do you haul water? once a week
How much (in gallons) do you haul at any one time? 50 gallon
What do you use this water for? livestock
Describe the quality of this water: Gallup; treated

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: February 6, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Larry J King
Mailing Address: P. O. Box 2197 Gallup, NM
P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H: _____ W: 726-2529 cell: 870-0641
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 7 miles north on State Rd 566

(map of location attached? Yes No)
How long have you lived at this location? lifetime
How long has this land been in your family? More than 80
How many people are in your family? 1 2 3 4 5 6 more? _____

Do you use the land for grazing? Yes No
If yes, how many acres are used for grazing? 40
If yes, how many head of livestock do you graze?
sheep 0 ; # cattle 10 ; # horses 0 ; # other 0

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? _____
If yes, how many acres are in crops? _____

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Red Rock State Park or Gallup
How far away is this? 30 (round ~~one~~ way)
How often do you haul water? once a week
How much (in gallons) do you haul at any one time? 30 gallons (domestic use) 400 gallons (animals)
What do you use this water for? drinking, cooking, bathing
Describe the quality of this water: good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: February 6, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Dorothy King
Mailing Address:
P.O. Box 5296 Gallup, NM 87305
P.O. Box or Street Address

Do you have a telephone in your home? (Yes) (No) NO
If yes, your phone numbers are: H: _____ W: 722-1492 cell: yes
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 1 miles north on State Rd 566

(map of location attached? Yes No)

How long have you lived at this location? lifetime
How long has this land been in your family? 80 years and more
How many people are in your family? 1 2 3 4 5 (6) more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 480 acres
If yes, how many head of livestock do you graze?
sheep 0 ; # cattle 5 ; # horses 1 ; # other 0

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? _____
If yes, how many acres are in crops? _____

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? Yes No
Where do you get this water? Red Rock State Park

How far away is this? 14 miles (round trip
How often do you haul water? twice a week
How much (in gallons) do you haul at any one time? 50 gallons
What do you use this water for? drinking, cooking, bathing
Describe the quality of this water: good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: February 6, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Rita J. Grey
Mailing Address:
P.O. Box 148 Rehoboth, NM 87322
P.O. Box or Street Address

Do you have a telephone in your home? (Yes) No
If yes, your phone numbers are: H: — W: Yes cell: yes
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 1 miles north on State Rd 566

(map of location attached? Yes No)
How long have you lived at this location? lifetime
How long has this land been in your family? more than 50 years
How many people are in your family? 1 2 3 4 (5) 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 480
If yes, how many head of livestock do you graze?
sheep 0 ; # cattle 10 ; # horses 1 ; # other 3 dogs

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow? —
If yes, how many acres are in crops? —

Do you have running water in your home? Yes (No)
What do you use this water for?

Drinking?	Yes	No
Cooking?	Yes	No
Bathing?	Yes	No
Irrigation?	Yes	No
Livestock?	Yes	No

Describe the quality of this water _____

Do you haul water for any purpose? (Yes) No
Where do you get this water? Rehoboth

How far away is this? 12 (one way)
How often do you haul water? 3 x a week
How much (in gallons) do you haul at any one time? 50 - 400 (addition for livestock)
What do you use this water for? drinking, cooking, bathing, livestock
Describe the quality of this water: good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: February 6, 1999 Interviewer Mavis Smith

Name of Person Interviewed: Irene EsKeets

Mailing Address: P.O. Box 308 Church Rock, NM 87311

P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes (No)

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 1 miles north of Church Rock

(map of location attached? Yes No)

How long have you lived at this location? lifetime
How long has this land been in your family? lifetime
How many people are in your family? 1 (2) 3 4 5 6 more? _____

Do you use the land for grazing? Yes (No)
If yes, how many acres are used for grazing?_____
If yes, how many head of livestock do you graze?
sheep_____; # cattle_____; # horses_____; # other_____

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow?_____
If yes, how many acres are in crops? _____

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	Yes	(No)
Cooking?	Yes	(No)
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	Yes	(No)

Describe the quality of this water Tastes funny

Do you haul water for any purpose? (Yes) No
Where do you get this water? City of Gallup

How far away is this? 30 miles round trip
How often do you haul water? once a week
How much (in gallons) do you haul at any one time? 20 gallons
What do you use this water for? drinking and cooking
Describe the quality of this water: good

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

Date of Survey: February 6, 1999 Interviewer Mario Smith

Name of Person Interviewed: Louis and Bessie Eskeet
Mailing Address:

P.O. Box or Street Address

Do you have a telephone in your home? Yes (No)
If yes, your phone numbers are: H:_____ W:_____ cell:_____
If no, do you have access to a telephone near your home? Yes No

What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.):_____

(map of location attached? Yes No)
How long have you lived at this location? lifetime; 75 years
How long has this land been in your family? lifetime
How many people are in your family? 1 (2) 3 4 5 6 more? _____

Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 320 acres
If yes, how many head of livestock do you graze?
sheep 20 ; # cattle_____; # horses_____; # other_____

Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow?_____
If yes, how many acres are in crops? _____

Do you have running water in your home? (Yes) No
What do you use this water for?

Drinking?	(Yes)	No
Cooking?	Yes	(No)
Bathing?	(Yes)	No
Irrigation?	Yes	(No)
Livestock?	(Yes)	No

Describe the quality of this water tastefunny; too much chlorine

Do you haul water for any purpose? (Yes) No
Where do you get this water? Gallup

How far away is this? 30 miles
How often do you haul water? Monthly - weekly
How much (in gallons) do you haul at any one time? 50 gallons
What do you use this water for? drink cooking
Describe the quality of this water: Good