APPENDIX C – Wellbore Schematic(s)

RESOLUTE NATURAL RESOURCES

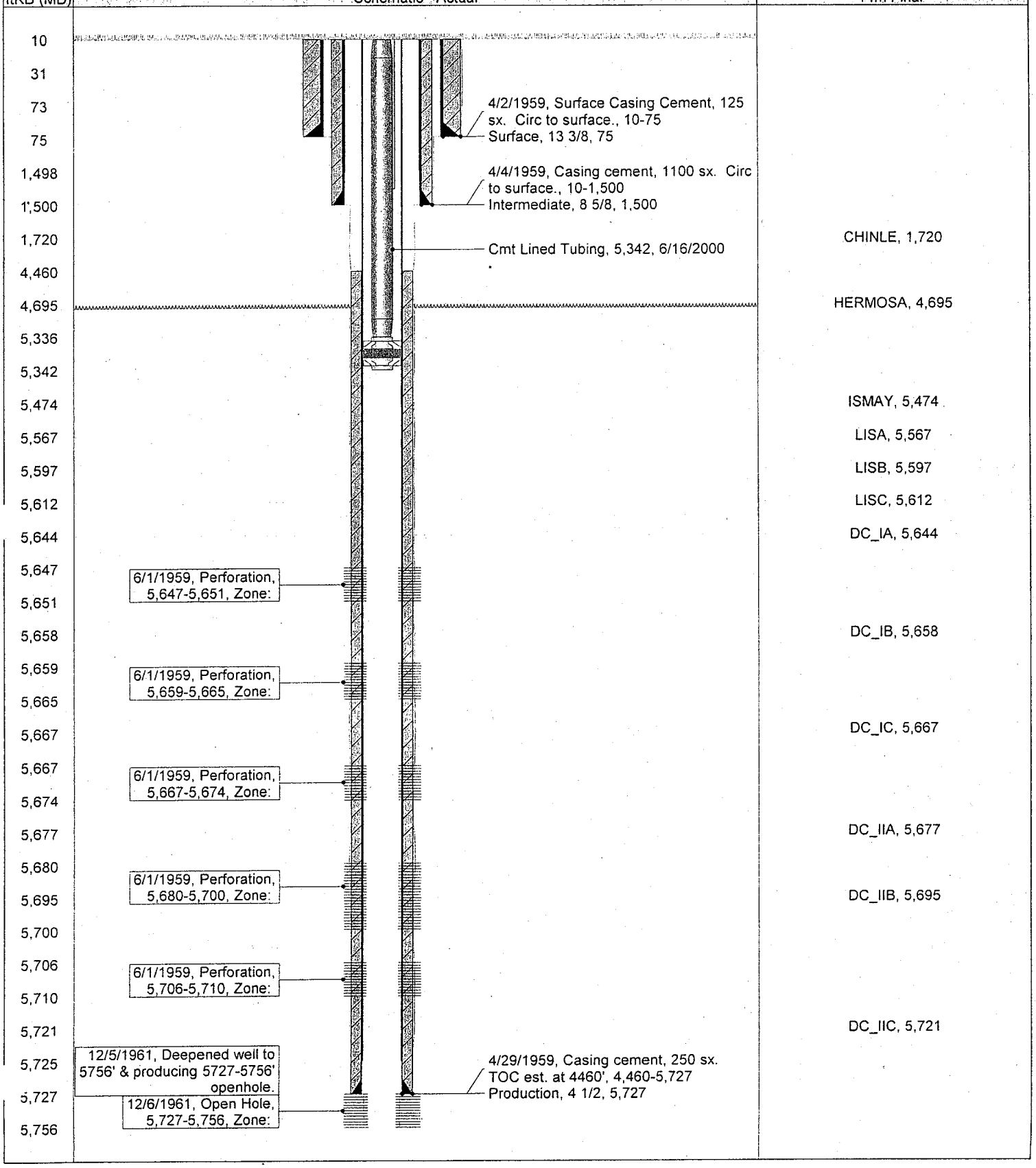
E-119 from phase I application, **typical injection well with construction deficiency**: intermediate casing set above and no cement at the USDW base (Chinle top)

Well Name: E119 Aneth Unit

API Number	Surface Legal Location	Section	Township	Range	Well Spud Date/Time	Field Name	State/Province
43037162800000	NW NW	19	40S	24E	4/1/1959	Aneth	UT

Original KB Elevation (ft)	KB-Ground Distance (ft)	Total Depth (ftKB)	PBTD (All) (ftKB)
4,774.00	10.00	5,756.0	

Wellbore Config: Vertical - Original Hole, 5/24/2007 3:45:10 PM



Report Printed: 5/24/2007

RESOLUTE NATURAL RESOURCES

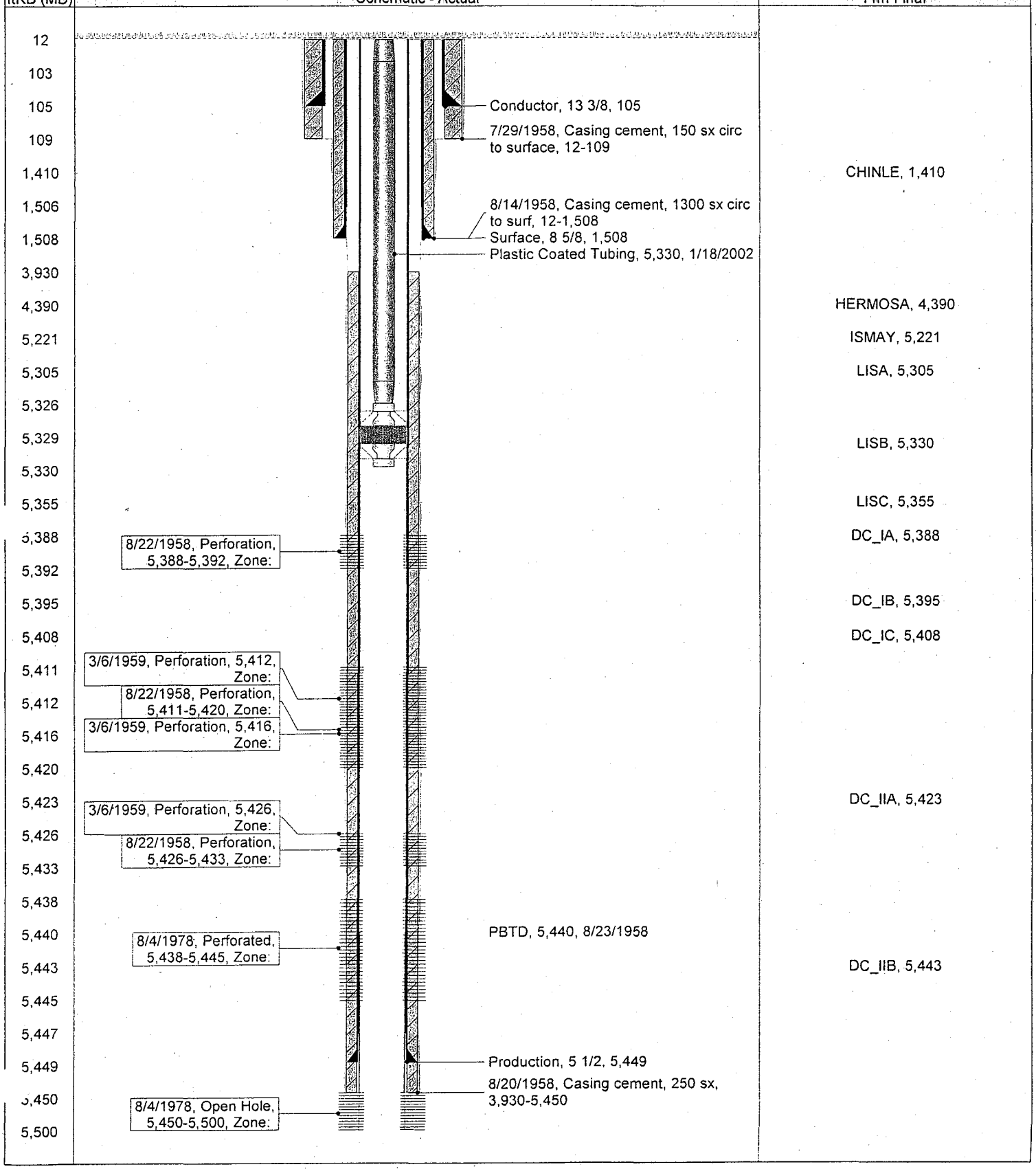
E-129 from phase I application, **typical injection well without construction deficiency**; intermediate casing extends below and is cemented through the USDW base

Well Name: E129 Aneth Unit

API Number	Surface Legal Location	Section	Township	Range	Well Spud Date/Time	Field Name	State/Province
43037160550000	NW NW	29	40S	24E		Aneth	UT

Original KB Elevation (ft)	KB-Ground Distance (ft)	Total Depth (ftKB)	PBTD (All) (ftKB)
		5,500.0	Original Hole - 5440.0

Wellbore Config: - Original Hole, 5/24/2007 3:52:46 PM



Report Printed: 5/24/2007

RESOLUTE NATURAL RESOURCES

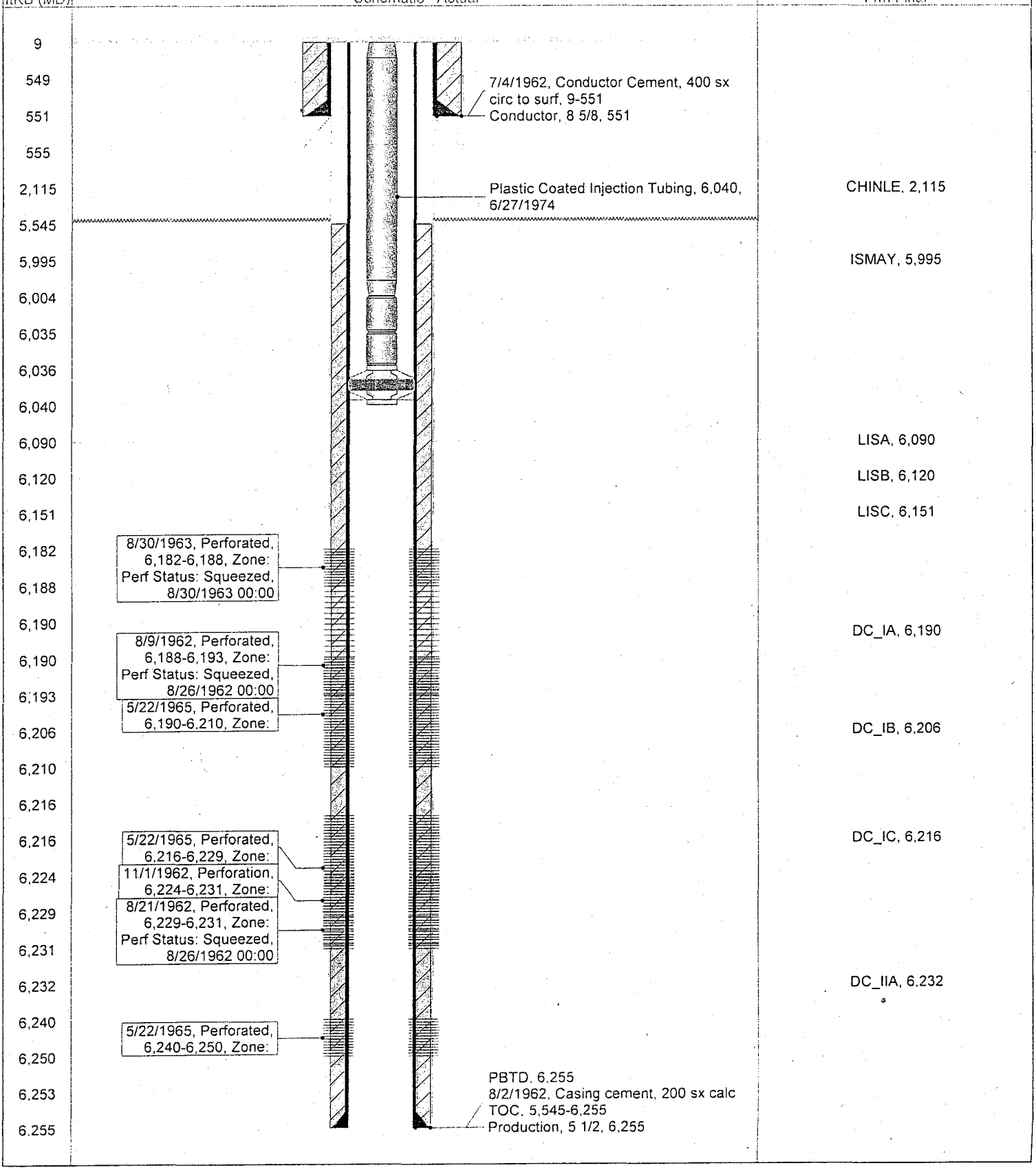
D-212 from phase II application, **typical injection well with construction deficiency**: surface casing set above and no cement at the USDW base

Well Name: D212 Aneth Unit

API Number	Surface Legal Location	Section	Township	Range	Well Spud Date/Time	Field Name	State/Province
43037162780000	SE NE	12	40S	23E		Aneth	UT

Original KB Elevation (ft)	KB-Ground Distance (ft)	Total Depth (ftKB)	PBTD (All) (ftKB)
5,269.00	9.00	6,255.0	Original Hole - 6255.0

Wellbore Config: - Original Hole, 8/14/2007 3:19:22 PM



Report Printed: 8/14/2007

H-408 from phase I application, **typical injection well without construction deficiency:** surface or intermediate casing set above the USDW base but long string casing cemented to surface

Well Name: H408 Aneth Unit

API Number	Surface Legal Location	Section	Township	Range	Well Spud Date/Time	Field Name	State/Province
43037163230000	SE SE	8	40S	24E		Aneth	UT

Original KB Elevation (ft)	KB-Ground Distance (ft)	Total Depth (ftKB)	PBTD (All) (ftKB)
		5,630.0	Original Hole - 5595.0

Wellbore Config: - Original Hole, 5/30/2007 1:49:13 PM

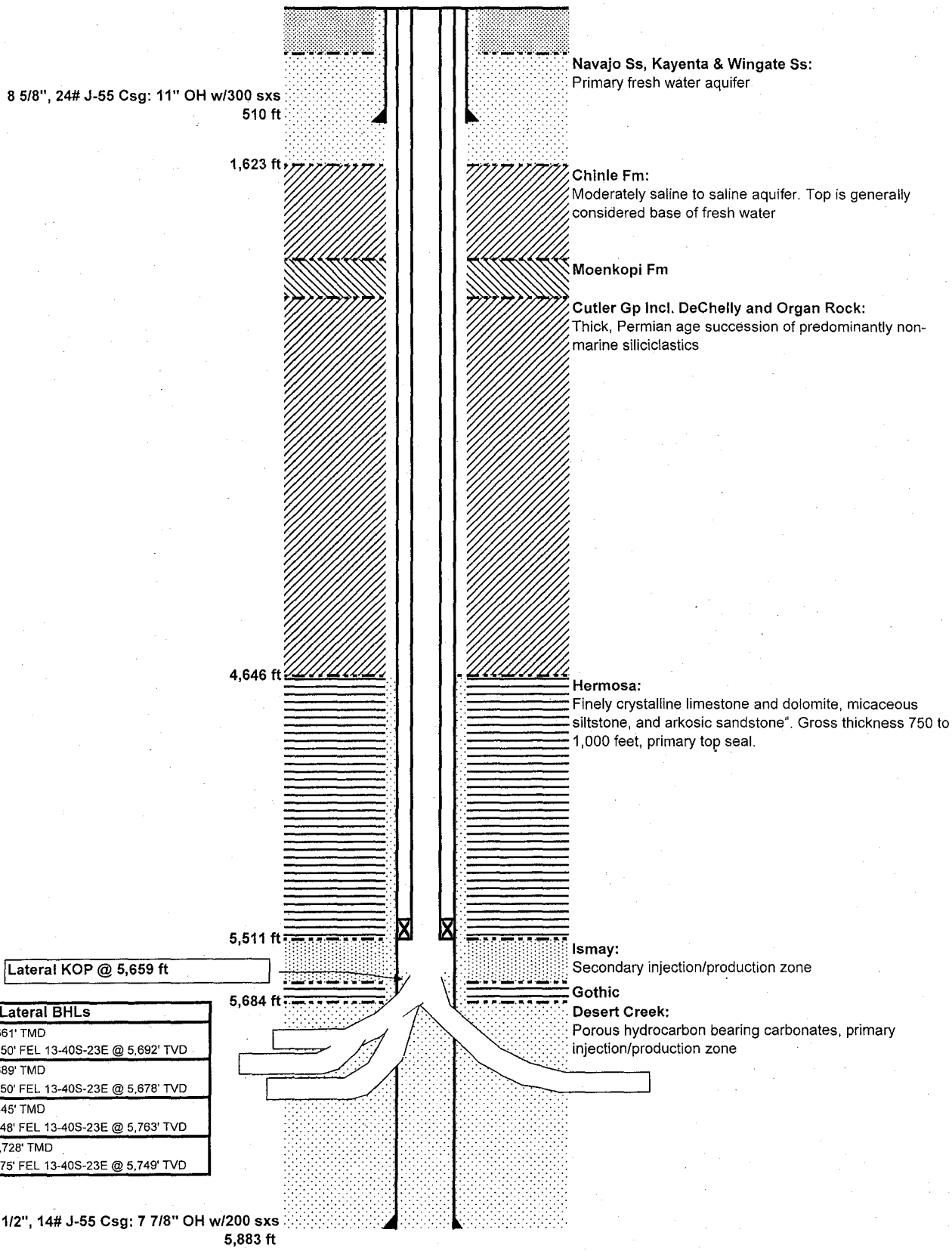
ftKB (MD)	Schematic - Actual	Frm Final
9		
1,292		
1,294	Surface, 9 5/8, 1,294	
1,336	3/25/1957, Surface Casing Cement, 200 sacks, 9-1,336	
1,471	Tubing - Injection, 5,350, 7/31/1979	CHINLE, 1,471
5,251		ISMAY, 5,251
5,338		LISA, 5,338
5,346		
5,350		
5,371		LISB, 5,371
5,383		LISC, 5,383
5,414		
5,417	5/6/1958, Perforation, 5,414-5,420, Zone:	DC_IA, 5,417
5,420		
5,427		
5,429		DC_IB, 5,429
5,445		DC_IC, 5,445
5,456	5/6/1958, Perforation, 5,427-5,477, Zone:	DC_IIA, 5,456
5,477		
5,481		DC_IIB, 5,481
5,484		
5,505	4/28/1957, Perforation, 5,484-5,518, Zone:	DC_IIC, 5,505
5,518		
5,550		DC_III, 5,550
5,595	PBTD, 5,595, 4/10/1957	
5,628		
5,630	4/10/1957, Production Casing Cement, 1000 sacks. Circ to surface., 9-5,630 Production, 5 1/2, 5,630	

Report Printed: 5/30/2007

RESOLUTE
NATURAL RESOURCES

C-313 from phase II application,
typical multilateral injection well construction

Aneth Unit
San Juan County, UT
C-313 Horizontal UIC Well Schematic
Splayed Laterals in Desert Creek



Lateral BHLs
Lateral #1: 5,659' - 6,661' TMD BHL: 2,643' FSL & 2,650' FEL 13-40S-23E @ 5,692' TVD
Lateral #2: 5,721' - 6,689' TMD BHL: 2,643' FSL & 2,650' FEL 13-40S-23E @ 5,678' TVD
Lateral #3: 5,752' - 5,845' TMD BHL: 2,059' FSL & 2,048' FEL 13-40S-23E @ 5,763' TVD
Lateral #3A: 5,664' - 6,728' TMD BHL: 2,638' FSL & 2,675' FEL 13-40S-23E @ 5,749' TVD