



**NNWSI
DRILLING AND MINING
SUMMARY**

JULY, 1987

HYDROLOGY DOCUMENT NUMBER 272

FENIX & SCISSON, INC.
6450 SO. LEWIS STREET
BRIDGEPORT III
TULSA, OKLAHOMA 74136

FENIX & SCISSON, INC.
P. O. BOX 498
MERCURY, NEVADA 89023

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DRILLING AND MINING
SUMMARY**

BY

FENIX & SCISSION, INC.

**PREPARED FOR
U. S. DEPARTMENT OF ENERGY
NEVADA OPERATIONS OFFICE
UNDER CONTRACT DE-AC08-84NV10322**

JULY, 1987

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**NNWSI
Drilling And Mining
Summary**

by

Reports and CEP Section

Abstract

This is a summary report for all boreholes drilled prior to July 1, 1987 in support of the Nevada Nuclear Waste Storage Investigation (NNWSI). The boreholes were drilled in Areas 1, 5, 16, 17, 25, 26, 29, and 30 of the Nevada Test Site and in Bureau of Land Management land adjacent to the Nevada Test Site. The report contains the borehole designation, As-Built or Lay-Out (L/O) coordinates, ground level elevation, REECo work order number, casing depths and diameters, drill hole depths and diameters, spud (start) and completion (** - Suspended and *** - Abandoned) dates, and pertinent remarks for all NNWSI and related boreholes. The report also gives the DOE report number from which detailed information can be obtained for each borehole. The report is scheduled to be updated biannually.

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>WASTE ISOLATION HOLES</u>									
<u>DOE Publication - Pending</u>									
UE-1m Eleana	N 825,407.5 E 657,842.0	4478.0	3313-101	8.75' 290'	5 1/2" 1 1/4" Tubing	514'	3.990"	3-2-76	4-6-76
UE-1n Eleana	N 825,329.0 E 657,760.7	4479.9	3313-101	5'	5 1/2"	5'	7 7/8"	3-8-76	3-8-76**
UE-1o Eleana	N 825,417.5 E 657,755.8	4479.5	3313-101	5'	5 1/2"	5'	7 7/8"	3-8-76	3-8-76**
UE-1p Eleana	N 826,268.7 E 662,298.8	4232.4	3313-104A	38.5'	7 5/8"	773' 782'	6 1/4" 3.990"	7-15-76	8-16-76

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>DIAMETER</u>	<u>HOLE DEPTH</u>	<u>DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>NNWSI SEISMIC HOLES</u>									
<u>DOE Publication - DOE/NV/10322-25</u>									
U-5 Seismic #1	N 749,607.0 E 668,098.7	3868.7	3404-192	139'	8"	140'	12 1/4"	4-11-84	4-13-84
U-5 Seismic #2	N 749,623.0 E 668,121.7	3867.7	3404-192	138'	8"	140'	12 1/4"	4-13-84	4-16-84

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>WASTE ISOLATION HOLES</u>									
<u>DOE Publication - Pending</u>									
UE-16b Eleana	N 839,498.2 E 641,345.2	4890.2	3313-104A	34'	7 5/8"	355' 361'	6 1/4" 3.990"	6-28-76	10-7-82 (Recompleted)
				(Stemmed with peagravel from 331' to 240' and from 114' to 102'.)					
UE-16c Eleana	N 844,958.4 E 644,556.9	4726.3	3313-104A	42' 134'	7 5/8" 1 1/4" tubing	137' 144'	6 1/4" 3.990"	7-2-76	7-8-76
UE-16d Eleana Sidetrack (Waterwell)	N 844,877.6 E 646,566.9	4684.2	9080-105A	80' 2117'	10 3/4" 7"	2321'	6 1/4" 6 1/4"	5-17-77	3-5-81 (Recompleted)
				(Plugged with cement from 2228' to 2130', bridge plug at 2020'.) 2130'- 3000'					
				(7" casing perforated from 1310' to 1145'.)					
UE-16f Eleana	N 832,355.2 E 648,843.9	4651.5	9103-105	1293'	9 5/8"	1479'	8 3/4"	8-1-77	9-27-77

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>WASTE ISOLATION HOLES</u>									
<u>DOE Publication - Pending</u>									
UE-17a Eleana	N 846,138.1 E 645,990.6	4696.5	3313-104A	1210' (USGS instruments in hole.)	4 1/2"	1214'	6 1/4"	7-2-76	9-23-76 (Recompleted)
UE-17b Eleana	N 849,216.6 E 646,469.6	4780.1	3313-104A	39' 220'	7 5/8" 1 1/4" Tubing	250' 256.5'	6 1/4" 3.990"	7-28-76	8-17-76
UE-17c Eleana	N 857,444.4 E 650,047.4	4834.7	3313-104A	38' 538.5'	7 5/8" 1 1/4" Tubing	575' 586'	6 1/4" 3.990"	7-15-76	7-29-76
6 UE-17d Eleana	N 847,189.0 E 647,787.5	4677.6	3313-104	39.5' 392'	7 5/8" 1 1/4" Tubing	390' 398'	6 1/4" 3.990"	8-9-76	8-20-76
UE-17e Eleana	N 853,204.7 E 646,447.8	4934.2	EY-77-B-08- 001	10' 2992'	6" 1.6"	3000'	3.937"	11-24-76	1-9-77
UE-17f Eleana	N 853,320.9 E 646,031.6	4929.9	9080-1034	10'	4 1/2"	100'	3.990"	5-2-77	5-4-77
UE-17g Eleana	N 853,291.0 E 646,514.8	4928.9	9080-1034	10'	4 1/2"	104'	3.990"	5-6-77	5-10-77

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
<u>HEAT TRANSFER EXPERIMENT</u>									
<u>DOE Publication - Pending</u>									
SI-1 Heater Hole	N 853,330.2 E 646,487.5	4931.8	9101-103	60'	16"	80' 110'	14" 7 7/8"	9-21-77	4-19-78 (Recompleted)
Heater Angle Hole #1A	N N/A E N/A	N/A	3401-106	No Casing (Sidetrack off of SI-1 Heater Hole.)		85'	3.875"	5-3-79	5-7-79
Heater Angle Hole #2A	N N/A E N/A	N/A	3401-106	No Casing (Sidetrack off of SI-1 Heater Hole.)		85'	3.875"	4-30-79	5-2-79
SI-2	N 853,332.2 E 646,487.9	4931.9	9101-103	60'	4 1/2"	92.5'	3.875"	9-7-77	9-27-77
SI-3	N 853,329.8 E 646,489.6	4931.9	9101-103	60'	4 1/2"	80' 115'	3.875" 3 3/4"	9-9-77	4-19-78 (Recompleted)
SI-4	N 853,330.4 E 646,485.6	4931.9	9101-103	60'	4 1/2"	92.5'	3.875"	8-11-77	9-28-77
SI-5	N 853,334.1 E 646,488.2	4931.9	9101-103	60'	4 1/2"	83.5'	3.875"	8-9-77	9-30-77
SI-6	N 853,329.4 E 646,491.5	4931.9	9101-103	60'	4 1/2"	80'	3.875"	9-12-77	9-26-77
SI-7	N 853,326.2 E 646,486.8	4931.9	9101-103	60'	4 1/2"	82.5'	3.875"	9-6-77	9-29-77

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HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
SI-8	N 853,328.0 E 646,484.3	4931.9	9101-103	60'	4 1/2"	77.5'	3.875"	8-30-77	9-28-77
SI-8A	N 853,323.9 E 646,478.5	4931.9	9101-103	60'	4 1/2"	60'	7 5/8"	9-19-77	9-21-77**
SI-9	N 853,330.8 E 646,483.6	4931.9	9101-103	60'	4 1/2"	80'	3.875"	8-12-77	9-28-77
SI-10	N 853,337.0 E 646,488.8	4931.9	9101-103	60'	4 1/2"	84.5'	3.875"	8-5-77	9-27-77
SI-11	N 853,323.2 E 646,486.3	4931.9	9101-103	60'	4 1/2"	82.5'	3.875"	9-16-77	9-29-77
SI-11A	N 853,319.4 E 646,485.6	4931.9	9101-103	60'	4 1/2"	60'	6 1/4"	9-2-77	9-6-77**
SI-12	N 853,331.3 E 646,480.7	4931.9	9101-103	60'	4 1/2"	77.5'	3.875"	8-25-77	9-30-77
SI-13	N 853,341.0 E 646,489.5	4931.9	9101-103	60'	4 1/2"	84.5'	3.990"	8-3-77	9-30-77
SI-14	N 853,328.2 E 646,498.4	4931.9	9101-103	60'	4 1/2"	80'	3.875"	9-13-77	9-26-77
SI-15	N 853,332.1 E 646,476.6	4931.9	9101-103	60'	4 1/2"	77.5'	3.875"	8-26-77	9-28-77
SI-16	N 853,373.5 E 646,495.2	4931.9	9101-103	60'	4 1/2"	84'	3.875"	7-29-77	9-28-77

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HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
Test Hole #1	N 853,342.5 E 646,479.0	4932.2	9101-103	60'	4 1/2"	80'	3.875"	8-23-77	4-3-78***
Test Hole #2	N 853,344.3 E 646,477.7	4932.2	9101-103	60'	4 1/2"	80'	3.875"	8-19-77	4-3-78***
Test Hole #3	N 853,348.3 E 646,478.6	4931.7	9101-103	60'	4 1/2"	80'	3.875"	1-30-78	4-3-78***
Test Hole #4	N 853,351.7 E 646,491.5	4931.7	9101-103	60'	4 1/2"	80'	3.875"	1-31-78	2-27-78
Test Hole #5	N 853,353.7 E 646,491.7	4931.6	9101-103	60'	4 1/2"	80'	3.875"	1-31-78	3-2-78
Test Hole #6	N E N/A	N/A	9101-103	7'	24"	7'	26"	1-31-78	4-3-78***

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>NNWSI HOLES</u>									
<u>DOE Publication - DOE/NV/10322-9</u>									
UE-25a #1 Geologic Hole	N 764,900.2 E 566,349.9	3934.4	3402-107	28' 2450'	13 3/8" 2 3/4"	1297' 2501'	3.875" 2.980"	6-25-78	9-2-78
				(HQ rods, core barrel, and bit from 1264.5' to 1297'; USGS fluid probe at 2495'.)					
UE-25a #3 Geologic Hole	N 769,321.1 E 602,938.8	4545.8	3402-110	190'	4 1/2"	1963.5' 2530'	3.900" 3.032"	8-11-78	10-10-78
13 UE-25a #4/ Inst. Geologic Hole	N 767,971.9 E 564,471.6	4100.7	3404-106	119'	8 5/8"	500'	6 1/8"	7-2-79	7-3-82 (Recompleted)
				(Instrumented, stemmed, and grouted from 499' to 0'.)					
UE-25a #5 Geologic Hole	N 766,956.4 E 564,755.1	4056.5	3404-107	120'	8 5/8"	487'	6 1/8"	6-26-79	7-12-79
UE-25a #6 Geologic Hole	N 765,899.5 E 564,501.7	4052.9	3404-109	57' 493'	8 5/8" 2 3/8"	500'	6 1/8"	7-19-79	8-8-79
UE-25a #7 Geologic Hole	N 766,249.9 E 565,468.5	4004.6	3404-110	134' 956'	8 5/8" 2 3/8"	501' 1002'	5 1/2" 3.875"	8-10-79	10-5-80 (Recompleted)

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
<u>DOE Publication - DOE/NV/10322-13</u>									
UE-25b #1	N 765,243.4	3939.0	3404-131	292'	16"	1705'	12 1/4"	4-3-81	9-22-81
Hydrologic	E 566,416.4			1700'	9 5/8"	2131'	8 3/4"		
Test Hole				3935'	2 7/8"	4002'	8 1/2"		
					Tubing				
					(Packer set at 3935'.)				
<u>DOE Publication - DOE/NV/10322-14</u>									
UE-25c #1	N 757,095.9	3708.7	3404-177	30'	30"	1515'	14 3/4"	8-13-83	10-17-83
Hydrologic	E 569,680.4			362'	16"	2990'	9 7/8"		
Test Hole				1365'	10 3/4"	3000'	8 3/4"		
UE-25c #2	N 756,848.8	3714.1	3404-185	39.5'	30"	320'	24"	1-9-84	3-21-84
Hydrologic	E 569,633.8			319'	16"	1520'	14 3/4"		
Test Hole				1365'	10 3/4"	3000'	9 7/8"		
UE-25c #3	N 756,909.9	3714.2	3404-186	39'	30"	315'	24"	3-20-84	6-11-84
Hydrologic	E 569,554.9			313'	16"	1520'	14 3/4"		
Test Hole				1323'	10 3/4"	3000'	9 7/8"		
<u>DOE Publication - DOE/NV/10322-15</u>									
UE-25h #1	N 748,353.1	3409.4	3409-104	20'	4 1/2"	20'	6.25"	12-10-82	1-30-83
Horz. Core	E 574,461.4	(T/csg)		240'	3 1/2"	240'	3.937"		
Hole						400'	3.032"		
					(Junk at unknown depth.)				

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
<u>DOE Publication - DOE/NV/10322-16</u>									
UE-25p #1 Pretertiary Test Hole	N 756,171.2	3654.6 (T/csg)	3404-151A	36'	24"	341'	17 1/2"	11-13-82	5-24-83
	E 571,484.5			325'	16"	1598'	14 3/4"		
				1564'	10 3/4"	4279'	9 7/8"		
				1487'-4256'	7 5/8"	4322	6 7/8"		
					Liner				
					1371'	1.9"	5900'		
			Tubing						
			1355'	1.9"	5923	6 1/8"			
					Tubing				
<u>DOE Publication - DOE/NV/10322-11</u>									
15 UE-25 RF #1 Repository Facility	N 762,189.7	3688.5	9222-214	99'	7 5/8"	98'	9 7/8"	1-23-84	2-8-84
	E 570,889.9					145'	8 3/4"		
UE-25 RF #2 Repository Facility	N 758,800.0	3656.8	9222-214	29'	7 5/8"	52'	8 3/4"	1-18-84	1-23-84
	E 570,334.8								
UE-25 RF #3 Repository Facility	N 765,575.1 E 571,100.0	3657.7	9222-227	138'	8"	151'	9 7/8"	3-30-84	7-22-85 (Recompleted)
						144'	4 1/2"		
						151'	3.987"		
						301'	3.937"		
UE-25 RF #3B Repository Facility	N 765,695.3 E 571,065.6	3661.1	9222-227	106'	5 1/2"	106'	6"	7-18-85	7-23-85
						111'	3.937"		

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
UE-25 RF #4 Repository Facility	N 762,090.8 E 572,063.2	3636.8	9222-214	--	--	36'	9 7/8"	2-10-84	2-28-84
						280'	6 3/4"		
						306'	3.90"		
UE-25 RF #5 Repository Facility	N 759,198.7 E 568,097.7	3813.7	9222-214	112'	8"	112'	9 7/8"	5-24-84	5-30-84
UE-25 RF #7 Repository Facility	N 768,804.0 E 571,170.9	3756.1	9222-214	100'	8"	140'	9 7/8"	5-31-84	6-6-84
UE-25 RF #7A Repository Facility	N 768,767.8 E 570,268.8	3755.9	9222-214	18'	8"	150'	9 7/8"	6-29-84	7-6-84
UE-25 RF #8 Repository Facility	N 765,630.8 E 568,789.9	3787.9	9222-214	90'	8"	128'	3.937"	7-9-84	7-12-84
UE-25 RF #9 Repository Facility	N 765,945.0 E 570,643.3	3674.4 (T/csg)	9222-227	106'	6" PVC	106'	9 7/8"	6-27-85	7-9-85
UE-25 RF #10 Repository Facility	N 765,307.7 E 570,229.9	3672.2 (T/csg)	9222-227	60'	6" PVC	60'	9 7/8"	7-24-85	7-29-85
UE-25 RF #11 Repository Facility	N 765,621.5 E 570,434.6	3668.6 (T/csg)	9222-243	78'	6" PVC	78'	9 7/8"	7-30-85	8-2-85

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>DOE Publication - DOE/NV/10322-20</u>									
UE-25 UZ #4 Unsaturated Zone	N 768,715.6 E 566,139.3	3938.5	3404-197	60'	5 1/2"	367'	4.25"	9-6-84	10-10-84
				(Junk in hole below 140'.)					
UE-25 UZ #5 Unsaturated Zone	N 768,591.0 E 566,135.2	3951.6	3404-198	18'	5 1/2"	365'	6"	10-11-84	11-19-84
				(Junk in hole, depth unknown.)					
<u>DOE Publication - DOE/NV/10322-21</u>									
UE-25 UZN #1 Unsaturated Zone-Neutron	N 769,328.9 E 565,224.3	3995.1	3404-196	50'	5 1/2"	50'	6"	10-17-84	10-18-84
17 UE-25 UZN #2 Unsaturated Zone-Neutron	N 768,605.5 E 566,113.6	3947.2	3404-196A	50'	5 1/2"	50'	6"	6-11-84	6-14-84
UE-25 UZN #3 Unsaturated Zone-Neutron	N 768,630.4 E 566,119.4	3940.8	3404-196A	15'	5 1/2"	15'	6"	6-15-84	6-15-84
UE-25 UZN #4 Unsaturated Zone-Neutron	N 768,663.4 E 566,127.1	3942.4	3404-196A	30'	5 1/2"	30'	6"	6-15-84	6-15-84
UE-25 UZN #5 Unsaturated Zone-Neutron	N 768,689.4 E 566,133.8	3942.9	3404-196A	50'	5 1/2"	50'	6"	6-18-84	6-21-84

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
UE-25 UZN #6 Unsaturated Zone-Neutron	N 768,705.6 E 566,136.6	3938.0	3404-196A	45'	5 1/2"	45'	6"	6-21-84	6-22-84
UE-25 UZN #7 Unsaturated Zone-Neutron	N 768,724.1 E 566,141.2	3938.8	3404-196	45'	5 1/2"	45'	6"	7-13-84	7-16-84
UE-25 UZN #8 Unsaturated Zone-Neutron	N 768,743.0 E 566,146.5	3938.9	3404-196	45'	5 1/2"	45'	6"	7-16-84	7-17-84
UE-25 UZN #9 Unsaturated Zone-Neutron	N 768,781.5 E 566,155.9	3941.2	3404-196	40'	5 1/2"	40'	6"	7-17-84	7-18-84
18 UE-25 UZN #10 Unsaturated Zone-Neutron	N 769,868.6 E 564,744.1	4038.3	3404-196	94'	5 1/2"	94' 99'	6" 4.25"	12-2-85	12-4-85
UE-25 UZN #12 Unsaturated Zone-Neutron	N 768,650.9 E 566,695.2	3906.8	3404-196	50'	5 1/2"	50'	6"	7-23-84	7-24-84
UE-25 UZN #13 Unsaturated Zone-Neutron	N 768,024.6 E 568,255.1	3821.3	3404-196	65'	5 1/2"	65'	6"	7-18-84	7-19-84
UE-25 UZN #14 Unsaturated Zone-Neutron	N 767,967.2 E 568,232.9	3823.9	3404-196	55'	5 1/2"	55'	6"	7-20-84	7-23-84

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
UE-25 UZN #18 Unsaturated Zone-Neutron	N 766,472.4 E 565,246.5	4018.5	3404-196	61'	5 1/2"	61'	6"	5-16-84	5-18-84
UE-25 UZN #19 Unsaturated Zone-Neutron	N 763,688.9 E 564,570.6	4024.9	3404-196	40'	5 1/2"	40'	6"	11-6-85	11-8-85
UE-25 UZN #20 Unsaturated Zone-Neutron	N 763,759.9 E 564,579.3	4027.2	3404-196	41'	5 1/2"	41'	6"	5-15-84	5-16-84
UE-25 UZN #21 Unsaturated Zone-Neutron	N 763,806.1 E 564,591.0	4027.5	3404-196	40'	5 1/2"	40' 42'	6" 3.937"	11-8-85	11-14-85
19 UE-25 UZN #22 Unsaturated Zone-Neutron	N 763,880.3 E 564,604.5	4028.8	3404-196	89'	5 1/2"	94' 95'	6" 3.937"	11-14-85	11-18-85
UE-25 UZN #23 Unsaturated Zone-Neutron	N 763,973.1 E 564,545.4	4043.1	3404-196	35'	5 1/2"	35'	6"	11-19-85	11-21-85
UE-25 UZN #28 Unsaturated Zone-Neutron	N 763,091.2 E 565,319.7	3958.1	3404-196	25'	5 1/2"	25' 26'	6" 4"	11-21-85	11-25-85***
(Hole abandoned after failure to retrieve drive sample tube.)									
UE-25 UZN #29 Unsaturated Zone-Neutron	N 762,613.1 E 565,173.3	3972.9	3404-196	35'	5 1/2"	35'	6"	11-26-85	11-27-85

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HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
UE-25 UZN #30 Unsaturated Zone-Neutron	N 762,047.6 E 565,232.8	3958.8	3404-196	35'	5 1/2"	35'	6"	11-27-85	12-2-85
UE-25 UZN #56 Unsaturated Zone-Neutron	N 760,393.5 E 565,480.0	3959.8	3404-196	60'	5 1/2"	60'	6"	8-23-84	8-23-84
UE-25 UZN #60 Unsaturated Zone-Neutron	N 759,756.9 E 566,567.0	3892.1	3404-196	35'	5 1/2"	35'	6"	8-21-84	8-23-84
UE-25 UZN #85 Unsaturated Zone-Neutron	N 750,715.8 E 577,567.8	3337.1	3404-196	80'	5 1/2"	80'	6"	5-6-85	5-8-85
UE-29 UZN #92 Unsaturated Zone-Neutron	N 778,009.5 E 583,558.5	3669.2	3404-196	105'	5 1/2"	120'	4.25"	1-13-86	1-15-86
(Due to boundary change, hole is located in Area 25, not Area 29.)									
UE-25 UZN #97 Unsaturated Zone-Neutron	N 763,093.8 E 565,320.6	3958.1	3404-196	60'	5 1/2"	60'	6"	11-25-85	11-26-85
UE-25 UZNC #1 Unsaturated Zone-Neutron Calibration	N 764,670.6 E 566,158.9	3928.5	3404-196			5'	6"	2-26-86	2-26-86
				(Backfilled to surface.)					
UE-25 UZNC #2 Unsaturated Zone-Neutron Calibration	N 764,668.4 E 566,157.5	3928.4	3404-196			5'	6"	2-26-86	2-26-86
				(Backfilled to surface.)					

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>DOE Publication - DOE/NV/10322-10</u>									
UE-25 WT #3 Water Table Hole	N 745,995.1 E 573,384.4	3379.5 (T/csg)	3404-159	13.5' 40' 1125'	16" 10 3/4" 2 7/8" Tubing	13.5' 41' 1142'	48" 14 3/4" 8 3/4"	4-29-83	5-25-83
UE-25 WT #4 Water Table Hole	N 768,511.8 E 568,040.2	3834.6	3404-167	48' 1567'	10 3/4" 2 7/8" Tubing	50' 1580'	14 3/4" 8 3/4"	5-28-83	6-6-83
UE-25 WT #5 (Abandoned)	N 761,826.0 E 574,249.7	3559.0	3404-168	40' (Junk in hole at 1018'.)	10 3/4" 	40' 1330'	14 3/4" 8 3/4"	6-7-83	6-18-83***
12 UE-25 WT #6 Water Table Hole	N 780,575.8 E 564,523.9	4312.3	3404-169	65' 251' 1221'	10 3/4" 7 5/8" 2 7/8" Tubing	69' 250' 1250' 1256.5'	14 3/4" 9 7/8" 6 3/4" 6 1/4"	6-20-83	6-29-83
UE-25 WT #12 Water Table Hole	N 739,725.9 E 567,011.0	3526.6	3404-176	70' 1276'	10 3/4" 2 7/8" Tubing	70' 1308'	15" 8 3/4"	8-11-83	8-16-83
UE-25 WT #13 Water Table Hole	N 756,715.0 E 578,756.7	3386.0	3404-170	222' 1136'	10 3/4" 2 7/8" Tubing	48.5' 224' 1150' 1160'	15" 14 3/4" 8 3/4" 8 1/16"	6-29-83	7-7-83
UE-25 WT #14 Water Table Hole	N 761,650.6 E 575,210.1	3529.9	3404-179	120' 1303'	10 3/4" 2 7/8" Tubing	125.5' 1310'	15" 8 3/4"	8-17-83	9-30-83

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
UE-25 WT #15 Water Table Hole	N 766,116.6 E 579,805.7	3552.5	3404-180A	127' 1335'	10 3/4" 2 7/8" Tubing	130' 1360'	14 3/4" 8 3/4"	11-12-83	11-22-83
UE-25 WT #16 Water Table Hole	N 774,419.7 E 570,394.9	3971.4	3404-181A	102' 1686'	10 3/4" 2 7/8" Tubing	108' 1710'	14 3/4" 8 3/4"	11-2-83	11-10-83
UE-25 WT #17 Water Table Hole	N 748,419.6 E 566,211.9	3688.5	3404-182	55' 1376'	10 3/4" 2 7/8" Tubing	55' 1453'	14 3/4" 8 3/4"	10-20-83	10-30-83
UE-25 WT #18 Water Table	N 771,167.1 E 564,855.0	4383.0	3404-188	86' 1965'	10 3/4" 2 7/8" Tubing	88' 2043'	14 3/4" 8 3/4"	5-9-84	5-23-84

(Electric log tool in hole below 200', 5-21-84.)

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NNWSI SEISMIC HOLES

DOE Publication - DOE/NV/10322-25

U-25 Seismic #1	N 778,912.6 E 560,456.9	N/A	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-4-81	9-9-81
U-25 Seismic #2	N 779,088.9 E 560,362.5	5106.8	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-10-81	9-12-81
U-25 Seismic #3	N 779,265.1 E 560,268.1	5110.8	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-4-81	9-8-81
U-25 Seismic #4	N 779,441.4 E 560,173.7	5113.5	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-3-81	9-4-81

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
U-25 Seismic #5	N 779,617.6 E 560,079.3	5120.9	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-2-81	9-3-81
U-25 Seismic #6	N 779,793.9 E 559,984.9	5085.0	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-1-81	9-2-81
U-25 Seismic #7	N 779,970.1 E 559,890.5	5141.0	3404-134	200'	4 1/2" PVC	200'	6 1/8"	8-30-81	9-12-81 (Recompleted)
U-25 Seismic #8	N 780,146.4 E 559,796.1	5152.8	3404-134	200'	4 1/2" PVC	200'	6 1/8"	8-27-81	9-12-81 (Recompleted)
U-25 Seismic #9	N 780,322.6 E 559,701.7	5161.6	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-18-81	9-20-81
23 U-25 Seismic #10	N 780,498.9 E 559,607.4	5171.0	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-18-81	9-19-81
U-25 Seismic #11	N 780,675.1 E 559,513.0	5179.2	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-16-81	9-17-81
U-25 Seismic #12	N 780,851.3 E 559,418.6	5185.3	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-14-81	9-16-81
U-25 Seismic #13	N 778,736.4 E 560,551.3	5096.0	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-13-81	9-14-81
U-25 Seismic #14	N 778,383.9 E 560,740.1	5076.0	3404-134	200'	4 1/2" PVC	200'	6 1/8"	9-17-81	9-17-81
U-25 Seismic #15	N 778,207.7 E 560,834.5	5064.2	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-15-81	9-16-81

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
U-25 Seismic #16	N 778,031.4 E 560,928.9	5051.6	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-14-81	9-15-81
U-25 Seismic #17	N 777,855.2 E 561,023.3	5040.2	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-13-81	9-13-81
U-25 Seismic #18	N 777,678.9 E 561,117.7	5027.7	3404-134	200'	4 1/2" PVC	200'	6 1/8"	9-11-81	9-12-81
U-25 Seismic #19	N 777,502.7 E 561,212.0	5017.5	3404-134	200'	4 1/2" PVC	200'	6 1/4"	9-9-81	9-11-81
U-25 Seismic #20	N 747,172.5 E 593,171.2	3357.0	3404-192	140'	8"	140'	12 1/4"	4-18-84	4-19-84
24 U-25 Seismic #21	N 746,904.2 E 569,427.4	3526.1	3404-192	139.5'	8"	5' 140'	15" 10 5/8"	4-19-84	4-20-84
U-25 Seismic #22	N 718,334.3 E 581,267.8	2948.6	3404-192	139'	8"	5' 144'	15" 12 1/4"	4-23-84	4-26-84
U-25 Seismic #23	N 741,125.8 E 580,246.1	3215.3	3404-192	139.5'	8"	145'	12 1/4"	4-26-84	4-27-84
U-25 Seismic #24	N 769,056.8 E 580,906.9	3554.8	3404-192	140'	8"	5' 147'	15" 12 1/4"	5-1-84	5-3-84
U-26 Seismic #1	N 746,150.3 E 629,834.4	3848.4	3404-192	139.5'	8"	5' 140'	5" 12 1/4"	4-17-84	4-18-84

(Hole located in Area 25.)

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>NNWSI SEISMIC LINE HOLES</u>									
<u>DOE Publication - DOE/NV/10322-25</u>									
US-25 #1 Seismic	N 762,631.0 E 565,423.7	4258.5 (T/csg)	9222-209	50'	6" hose	53'	8 3/4"	9-23-83	9-26-83
US-25 #2 Seismic	N 762,402.6 E 566,427.3	4316.2 (T/csg)	9222-209	50'	6" hose	53'	8 3/4"	9-21-83	9-23-83
US-25 #3 Seismic	N 762,075 E 572,454	L/O 3620	9222-209	50'	6" hose	52'	8 3/4"	9-20-83	9-21-83
US-25 #4 Seismic	N 762,458 E 567,853	L/O 3800	9222-209	50'	6" hose	50'	8 3/4"	9-19-83	9-19-83
US-25 #5 Seismic	N 762,432 E 567,853	L/O 3799	9222-209	50'	6" hose	52'	8 3/4"	9-16-83	9-16-83
US-25 #6 Seismic	N 762,377 E 568,551	L/O 3783	9222-209	50'	6" hose	52'	8 3/4"	9-15-83	9-16-83
US-25 #7 Seismic	N 762,354 E 568,551	L/O 3783	9222-209	50'	6" hose	52'	8 3/4"	9-14-83	9-15-83
US-25 #8 Seismic	N 762,317 E 569,332	L/O 3757	9222-209	50'	6" hose	52'	8 3/4"	9-12-83	9-14-83
US-25 #9 Seismic	N 762,285 E 569,329	L/O 3755	9222-209	50'	6" hose	50'	8 3/4"	9-9-83	9-12-83

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
US-25 #10 Seismic	N 762,251 E 570,112	L/O 3724	9222-209	50'	6" hose	50'	8 3/4"	9-8-83	9-8-83
US-25 #11 Seismic	N 762,226 E 570,111	L/O 3724	9222-209	50'	6" hose	52'	8 3/4"	9-7-83	9-7-83
US-25 #12 Seismic	N 762,198 E 570,894	L/O 3688	9222-209	50'	6" hose	52'	8 3/4"	9-6-83	9-7-83
US-25 #13 Seismic	N 762,168 E 570,891	L/O 3688	9222-209	50'	6" hose	52'	8 3/4"	9-2-83	9-6-83
US-25 #14 Seismic	N 762,137 E 571,675	L/O 3653	9222-209	50'	6" hose	50'	8 3/4"	8-31-83	9-2-83
US-25 #15 Seismic	N 762,106 E 571,670	L/O 3654	9222-209	50'	6" hose	50'	8 3/4"	8-30-83	8-31-83
US-25 #16 Seismic	N 762,046 E 572,453	L/O 3620	9222-209	50'	6" hose	50'	8 3/4"	8-30-83	8-30-83
US-25 #17 Seismic	N 761,986 E 573,627	L/O 3576	9222-209	50'	6" hose	50'	8 3/4"	8-29-83	8-29-83
US-25 #18 Seismic	N 761,895 E 574,709	L/O 3545	9222-209	50'	6" hose	50'	8 3/4"	8-26-83	8-29-83
US-25 #19 Seismic	N 761,746 E 576,242	L/O 3499	9222-209	50'	6" hose	50'	8 3/4"	8-25-83	8-26-83
US-25 #20 Seismic	N 761,613 E 577,175	L/O 3485	9222-209	50'	6" hose	50'	8 3/4"	8-24-83	8-26-83

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
US-25 #21 Seismic	N 761,628.4 E 578,543.1	3481.4	9222-209	49'	6" hose	50'	8 3/4"	8-23-83	8-26-83
<u>DOE Publication - Pending</u>									
J-11	N 740,968.2 E 611,764.2	3445.0	3404-103	1327'	12 3/4" (Sandia instrument in hole.)	1329'	?		1957
J-11 Prime	N 740,890 E 611,821	L/O N/A	3403-103	30'	10 3/4" (Sandia instrument in hole.)	220'	9 7/8"	2-28-78	3-3-78
J-12 Water Well	N 733,508 E 581,012	3130	3311-001	887'	12 3/4"	1139'	11 3/4"	?	1968 (Recompleted)
J-13 Water Well (was USGS HTH #6)	N 749,209 E 579,651	3318	AT(29-2)- 1302	444'	18"	1561'	9 7/8"	9-12-62	1-8-63
				1546'	13 3/8" &	2020'	9"		
				1484'-3385'	11 3/4"	3488'	7 5/8"		
					5 1/2" Liner				

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>NNWSI SEISMIC HOLE</u>									
<u>DOE Publication - DOE/NV/10322-25</u>									
U-26	N 746,150.3	3848.4	3404-192	139.5'	8"	5'	5"	4-17-84	4-18-84
Seismic #1	E 629,834.4					140'	12 1/4"		
(Hole located in Area 25.)									

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>NNWSI HOLES</u>									
<u>DOE Publication - DOE/NV/10322-12</u>									
UE-29a #1 Hydrologic Test Hole	N 797,729.0 E 585,574.9	3986.7	3404-132A	35'	30"	215'	26"	9-25-81	10-6-81***
UE-29a #2 Hydrologic Test Hole	N 797,744.9 E 585,546.9	3987.4	3404-135	39' 160' 284' 811' 1172'	30" 20" 16" 10 3/4" 1.6" Tubing	40' 160' 295' 814' 1165' 1383'	36" 26" 18 1/2" 14 3/4" 15" 9 7/8"	10-7-81	12-3-81
(10 3/4" casing perforated from 285' to 700', 1-11-82.)									
<u>DOE Publication - DOE/NV/10322-21</u>									
UE-29 UZN #91 Unsaturated Zone-Neutron	N 797,275.0 E 585,340.9	3646.9	3404-196	89'	5 1/2"	94'	4.25"	1-16-86	1-21-86
UE-29 UZN #92 Unsaturated Zone-Neutron	N 778,009.5 E 583,558.5	3669.2	3404-196	105'	5 1/2"	120'	4.25"	1-13-86	1-15-86
(Due to boundary change, hole is located in Area 25, not Area 29.)									
<u>NNWSI SEISMIC HOLE</u>									
<u>DOE Publication - DOE/NV/10322-25</u>									
U-29 Seismic #1	N 791,868.4 E 585,139.5	3878.0	3404-192	137.5'	8"	5' 142'	15" 12 1/4"	5-3-84	5-7-84

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>NNWSI SEISMIC HOLES</u>									
<u>DOE Publication - DOE/NV/10322-25</u>									
U-30 Seismic #1	N 837,370.0 E 604,819.3	4753.0	3404-196	140'	8"	5' 142'	15" 12 1/4"	5-8-84	5-9-84
U-30 Seismic #2	N 837,376.9 E 604,800.1	4753.7	3404-196	140'	8"	5' 140'	15" 12 1/4"	5-9-84	5-10-84

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
<u>NNWSI OFF-SITE HOLES</u>									
<u>DOE Publication - DOE/NV/10322-19</u>									
USW G-1 Geologic Hole	N 770,500.2 E 561,000.5	4348.6	3404-113	280' 290' 1016'	13 3/8" 7 5/8" 4 1/2"	6000'	3.875"	3-12-80	9-17-80
				(Sandia instrument in hole, 4-8-82.)					
USW G-2 Geologic Hole	N 778,824.2 E 560,503.9	5098.4	3404-130A	278' 795'	13 3/8" 9 5/8"	2670' 4115' 4719.5' 6006'	8 3/4" 6 1/4" 6 1/8" 2.98"	3-25-81	11-17-82 (Recompleted)
USW G-3 Geologic Hole	N 752,779.8 E 558,483.1	4856.5	3404-133	36'	13 3/8"	1160' 2364'	8 3/4" 6 3/4"	1-8-82	3-21-82
				(Original hole plugged with cement from 1362' to 1160'; radioactive logging source below 1247'.)					
	Sidetrack			2598'	5 1/2"	1144'-2600'	8 3/4" 4 3/4" 3.937"		
USW G-4 Geologic Hole	N 765,807.1 E 563,081.6	4166.9	3404-150	39' 2017'	13 3/8" 9 5/8"	3001' 3003	8 3/4" 8 3/8"	8-23-82	1-13-83
USW GA-1 Geologic Angle Hole	N 779,365.4 E 559,247.0	5186.8	3404-127	6' 148'	13 3/8" 4 1/2"	148' 551'	6 1/4" 3.937"	3-15-81	3-21-81

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING DEPTH</u>	<u>CASING DIAMETER</u>	<u>HOLE DEPTH</u>	<u>HOLE DIAMETER</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
USW GU-3 Geologic Unsaturated Hole	N 752,690.1 E 558,501.3	4856.6	3404-140	34' 1144'	13 3/8" 5 1/2"	1144' 1768' 2644'	6 3/4" 3.937" 2.980"	1-26-82	6-12-82
(Sandia instrument lost in hole, 5-87.)									
<u>DOE Publication - DOE/NV/10322-18</u>									
USW H-1/ Inst. Hydrologic Test Hole	N 770,254.3 E 562,388.0	4274.4	3404-114	38.5' 334' 2255'	30" 16" 9 5/8"	384' 1740' 2257' 6000'	15" 13 1/4" 12 1/4" 8 3/4"	9-3-80	7-6-82 (Recompleted)
(Instrumented and grouted from 5950' to 2207'.)									
USW H-3 Hydrologic Test Hole	N 756,542.1 E 558,451.7	4866.4	3404-139	29' 126' 2600'	30" 16" 10 3/4"	130' 2650' 4000'	26" 14 3/4" 8 3/4"	1-27-82	3-19-82
(10 3/4" casing perforated.)									
USW H-4 Hydrologic Test Hole	N 761,643.6 E 563,911.1	4096.5	3404-143	35' 311' 1839' 3896'	30" 16" 10 3/4" 2 7/8"	153' 316' 1850' 4000'	26" 20" 14 3/4" 8 3/4"	3-22-82	6-7-82
Tubing 1725' 1.9" Tubing									
USW H-5 Hydrologic Test Hole	N 766,634.3 E 558,908.7	4850.8	3404-146	38' 311' 2585' 3600' 2324'	30" 16" 10 3/4" 2 7/8" 1.9"	311' 2599' 4000'	20" 14 3/4" 8 3/4"	5-19-82	8-1-82
(10 3/4" casing perforated.) 3600' 2 7/8" Tubing 2324' 1.9" Tubing									

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HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
USW H-6 Hydrologic Test Hole	N 763,298.9 E 554,074.9	4270.6	3404-149	31'	30"	1912'	14 3/4"	8-7-82	10-28-82
				311'	16"	3990'	8 3/4"		
				1906'	10 3/4"	4002'	6 1/8"		
				2468'	2 7/8" Tubing				
				1751.5'	1.9" Tubing				

DOE Publication - DOE/NV/10322-17

USW VH-1 Volcanic Hydrology Hole	N 743,355.5 E 533,626.0	3161.0	3404-117C	48'	9 5/8"	912'	8 3/4"	10-28-80	2-18-81
				911'	7 5/8"	2501'	6 1/4"		

USW VH-2 Volcanic Hydrology Hole	N 748,319.4 E 526,264.2	3197.1	3404-155A	19'	13 3/8"	20'	17 1/2"	2-15-83	4-27-83
				198'	9 5/8"	197'	12 1/4"		
				720'	5 1/2"	716'	8 3/4"		
				3986'	1.9" Tubing	4000'	3.937"		

DOE Publication - DOE/NV/10322-20

USW UZ-1/ Inst. Unsaturated Zone Test Hole	N 771,275.8 E 560,220.8	4426.2 (T/csg)	3404-154	39.5'	42"	41.5'	48"	4-27-83	7-31-83
						97'	36"		
						101'	24"		
						1265'	17 1/2"		
						1269'	15"		
						1270'	9 1/4"		

(Junk at 1243', hole plugged with cement to 1221'.
Instrumented, stemmed and grouted from 1213' to surface,
10-24-83.)

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
USW UZ-6 Unsaturated Zone Test	N 759,731 E 558,325	L/O 4925	3404-193	40' 324'	26 3/4" 20"	341' 1887'	24" 17 1/2"	6-18-84	4-28-86 (secured)
USW UZ-6s Unsaturated Zone Test	N 759,909.3 E 558,050.4	4949.2	3404-208	3'	7 5/8"	494.5' 519'	8 11/32" 3.990"	4-23-85	9-9-85
USW UZ-7 Unsaturated Zone Test	N 760,836.1 E 562,911.3	4169.3	3404-206	20'	5 1/2"	207'	6"	1-4-85	1-22-85
USW UZ-8 Unsaturated Zone	N 760,762.2 E 562,293.5	4227.0	3404-214	55'	5 1/2"	55' 57'	6" 4.25"	3-5-86	4-21-86**
38 USW UZ-13 Unsaturated Zone Test	N 751,953.2 E 558,488.7	4815.8	3404-207	330'	5 1/2"	417' 430'	6" 3.937"	1-24-85	4-19-85
<u>DOE Publication - DOE/NV/10322-21</u>									
USW UZ-N24 Unsaturated Zone-Neutron	N 768,005.4 E 562,054.2	4226.5	3404-196	30'	5 1/2"	75'	6"	2-4-86	2-26-86
USW UZ-N25 Unsaturated Zone-Neutron	N 768,430.4 E 561,218.9	4334.7	3404-196	59'	5 1/2"	59'	6"	2-11-86	2-12-86

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
USW UZ-N26 Unsaturated Zone-Neutron	N 768,757.2 E 561,022.9	4384.1	3404-196	35'	5 1/2"	35'	6"	2-10-86	2-11-86
USW UZ-N40 Unsaturated Zone-Neutron	N 766,175.8 E 564,221.3	4079.4	3404-196	35'	5 1/2"	35'	6"	12-19-85	1-7-86
USW UZ-N41 Unsaturated Zone-Neutron	N 765,867.2 E 563,520.9	4117.5	3404-196	35'	5 1/2"	35' 37'	6" 4.25"	12-12-85	12-16-85
USW UZ-N42 Unsaturated Zone-Neutron	N 765,728.6 E 562,858.5	4179.1	3404-196	35'	5 1/2"	35' 40'	6" 4.25"	12-16-85	12-17-85
39 USW UZ-N43 Unsaturated Zone-Neutron	N 765,997.0 E 563,263.6	4149.4	3404-196	45'	5 1/2"	45'	6"	12-5-85	12-9-85
USW UZ-N44 Unsaturated Zone-Neutron	N 766,192.5 E 563,139.6	4161.5	3404-196	35'	5 1/2"	35' 36'	6" 4.25"	12-18-85	12-19-85
USW UZ-N45 Unsaturated Zone-Neutron	N 765,976.7 E 563,429.2	4129.9	3404-196	45'	5 1/2"	45'	6"	12-9-85	12-12-85
USW UZ-N46 Unsaturated Zone-Neutron	N 772,262.3 E 559,747.7	4500.5	3404-196	99'	5 1/2"	99'	6"	1-21-86	1-31-86

<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING</u>		<u>HOLE</u>		<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
				<u>DEPTH</u>	<u>DIAMETER</u>	<u>DEPTH</u>	<u>DIAMETER</u>		
USW UZ-N47 Unsaturated Zone-Neutron	N 771,967.5 E 559,783.5	4480.4	3404-196	85'	5 1/2"	85' 86'	6" 4.25"	1-24-86	1-29-86
USW UZ-N48 Unsaturated Zone-Neutron	N 760,834.9 E 562,413.6	4211.1	3404-196	35'	5 1/2"	35'	6"	1-7-86	1-8-86
USW UZ-N49 Unsaturated Zone-Neutron	N 760,860.4 E 562,321.8	4228.5	3404-196	35'	5 1/2"	35' 36'	6" 4.25"	1-9-86	1-10-86
USW UZ-N50 Unsaturated Zone-Neutron	N 760,775.9 E 562,911.7	4173.2	3404-196	20'	5 1/2"	20'	6"	8-24-84	8-24-84
USW UZ-N51 Unsaturated Zone-Neutron	N 760,860.8 E 562,909.4	4169.0	3404-196	20'	5 1/2"	20'	6"	8-24-84	8-24-84
USW UZ-N52 Unsaturated Zone-Neutron	N 760,893.8 E 562,908.8	4172.2	3404-196	25'	5 1/2"	25'	6"	8-24-84	8-24-84
USW UZ-N65 Unsaturated Zone-Neutron	N 758,627.1 E 562,537.1	4371.9	3404-196	50'	5 1/2"	50'	6"	11-27-84	11-27-84
USW UZ-N66 Unsaturated Zone-Neutron	N 758,433.5 E 561,881.1	4355.5	3404-196	50'	5 1/2"	50'	6"	11-27-84	11-28-84

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<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>G. L. ELEV.</u>	<u>WORK ORDER NUMBER</u>	<u>CASING</u>		<u>HOLE</u>		<u>SPUD DATE</u>	<u>COMPLETION DATE</u>
				<u>DEPTH</u>	<u>DIAMETER</u>	<u>DEPTH</u>	<u>DIAMETER</u>		
USW UZ-N67 Unsaturated Zone-Neutron	N 753,634.2 E 563,799.0	3920.2	3404-196	25'	5 1/2"	25'	6"	7-25-84	7-25-84
USW UZ-N68 Unsaturated Zone-Neutron	N 753,962.4 E 564,005.8	3924.7	3404-196	55'	5 1/2"	55'	6"	7-25-84	7-25-84
USW UZ-N69 Unsaturated Zone-Neutron	N 754,460.9 E 564,401.7	3918.2	3404-196	35'	5 1/2"	35'	6"	7-26-84	7-26-84
USW UZ-N70 Unsaturated Zone-Neutron	N 769,250.7 E 560,164.7	4542.1	3404-196	35'	5 1/2"	35'	6"	2-6-86	2-10-86
USW UZ-N71 Unsaturated Zone-Neutron	N 761,025.9 E 558,405.6	4924.9	3404-196	52'	5 1/2"	52'	6"	5-18-84	5-18-84
USW UZ-N72 Unsaturated Zone-Neutron	N 761,067.9 E 558,626.1	4889.2	3404-196	30'	5 1/2"	30'	6"	11-20-84	11-20-84
USW UZ-N73 Unsaturated Zone-Neutron	N 761,049.1 E 558,926.0	4866.6	3404-196	30'	5 1/2"	30'	6"	11-20-84	11-21-84
USW UZ-N74 Unsaturated Zone-Neutron	N 761,362.2 E 558,559.9	4903.7	3404-196	35'	5 1/2"	35' 37'	6" 4.25"	2-18-86	2-18-86

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HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
USW UZ-N75 Unsaturated Zone-Neutron	N 761,462.4 E 559,075.9	4799.0	3404-196	35'	5 1/2"	35' 37'	6" 4.25"	2-19-86	2-20-86
USW UZ-N76 Unsaturated Zone-Neutron	N 761,353.2 E 559,047.7	4958.0	3404-196	35'	5 1/2"	40'	6"	11-21-84	11-26-84
				(Junk in hole, depth unknown.)					
USW UZ-N77 Unsaturated Zone-Neutron	N 755,526.1 E 554,397.2	3900.5	3404-196	50'	5 1/2"	50'	6"	11-30-84	11-30-84
USW UZ-N78 Unsaturated Zone-Neutron	N 757,557.8 E 556,262.3	4182.2	3404-196	30'	5 1/2"	30'	6"	12-10-84	12-11-84
42 USW UZ-N79 Unsaturated Zone-Neutron	N 757,733.2 E 556,333.9	4154.9	3404-196	32'	5 1/2"	32'	6"	12-7-84	12-10-84
USW UZ-N80 Unsaturated Zone-Neutron	N 757,634.3 E 557,201.1	4332.2	3404-196	52'	5 1/2"	52'	6"	12-6-84	12-7-84
USW UZ-N81 Unsaturated Zone-Neutron	N 757,807.1 N 555,595.1	4065.2	3404-196	70'	5 1/2"	70'	6"	12-3-84	12-6-84
USW UZ-N82 Unsaturated Zone-Neutron	N 757,498.1 E 554,689.7	3974.8	3404-196	40'	5 1/2"	40'	6"	11-30-84	12-3-84

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
USW UZ-N83 Unsaturated Zone-Neutron	N 760,624.2 E 556,349.0	4157.4	3404-196	70'	5 1/2"	70'	6"	12-12-84	12-13-84
USW UZ-N84 Unsaturated Zone-Neutron	N 760,717.0 E 555,887.8	4111.8	3404-196	45'	5 1/2"	45'	6"	12-12-84	12-19-84 (Recompleted)
USW UZ-N86 Unsaturated Zone-Neutron	N 760,614.5 E 556,460.3	4171.9	3404-196	30'	5 1/2"	30'	6"	12-18-84	12-18-84
USW UZ-N87 Unsaturated Zone-Neutron	N 760,714.1 E 555,887.1	4111.6	3404-196	45'	5 1/2"	45'	6"	12-20-84	12-20-84
USW UZ-N88 Unsaturated Zone-Neutron	N 760,796.9 E 556,551.2	4201.7	3404-196	30'	5 1/2"	30'	6"	12-17-84	12-17-84
USW UZ-N89 Unsaturated Zone-Neutron	N 760,610.4 E 555,588.7	4089.6	3404-196	45'	5 1/2"	45'	6"	12-19-84	12-19-84
USW UZ-N90 Unsaturated Zone-Neutron	N 760,608.4 E 555,587.2	4089.6	3404-196	45'	5 1/2"	45'	6"	12-14-84	12-17-84
USW UZ-N93 Unsaturated Zone-Neutron	N 759,584.3 E 558,320.7	4924.0	3404-196	40'	5 1/2"	40'	6"	7-27-84	7-27-84

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HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
USW UZ-N94 Unsaturated Zone-Neutron	N 759,723.5 E 558,236.2	4926.1	3404-196	30'	5 1/2"	30'	6"	8-15-84	8-15-84
USW UZ-N95 Unsaturated Zone-Neutron	N 759,899.0 E 558,172.3	4929.0	3404-196	20'	5 1/2"	20'	6"	8-15-84	8-16-84
USW UZ-N96 Unsaturated Zone-Neutron	N 759,445.8 E 558,403.1	4893.4	3404-196	35'	5 1/2"	35'	6"	8-16-84	8-16-84
USW UZ-N98 Unsaturated Zone-Neutron	N 767,996.2 E 562,083.5	4223.1	3404-196	31'	5 1/2"	75'	6"	2-20-86	2-25-86
44 <u>DOE Publication - DOE/NV/10322-10</u>									
USW WT-1 Water Table Hole	N 753,940.6 E 563,739.2	3942.5 (T/csg)	3404-157	32.5' 1665'	10 3/4" 2 7/8" Tubing	33.5' 1689'	26" 8 3/4"	4-28-83	5-18-83
USW WT-2 Water Table Hole	N 760,660.5 E 561,923.6	4269.7 (T/csg)	3404-158	58' 2040'	10 3/4" 2 7/8" Tubing	58' 2060'	14 3/4" 8 3/4"	7-8-83	7-16-83
USW WT-7 Water Table Hole	N 755,569.8 E 553,891.3	3927.2	3404-174	52' 1579'	10 3/4" 2 7/8" Tubing	53' 1610'	14 3/4" 8 3/4"	7-19-83	7-26-83

HOLE NUMBER	LOCATION	G. L. ELEV.	WORK ORDER NUMBER	CASING		HOLE		SPUD DATE	COMPLETION DATE
				DEPTH	DIAMETER	DEPTH	DIAMETER		
USW WT-10 Water Table Hole	N 748,770.9 E 553,302.1	3686.0	3404-171	114'	10 3/4"	116'	14 3/4"	7-26-83	8-2-83
				1321'	2 7/8" Tubing	1413'	8 3/4"		
USW WT-11 Water Table Hole	N 739,070.4 E 558,376.8	3591.4	3404-175	44.5'	10 3/4"	45'	14 3/4"	8-3-83	8-9-83
				1365'	2 7/8" Tubing	1446'	8 3/4"		

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