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- WELL DRILLER'S COPY

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STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY
Log No. 101501
Permit No.
Basin 156

NOTICE OF INTENT NO. 54794

1. OWNER U.S.D.O.E NV Ops office MV-3
MAILING ADDRESS PO Box 9518
Las Vegas, NV 89193-8518

ADDRESS AT WELL LOCATION Central NV test area, near Morley Peaks, Hot Creek Valley
Page 1 of 3

2. LOCATION NW ¼ SE ¼ Sec 15 T 9 N R 51 E Nye County

PERMIT NO. M/O-1366, R488 (Issued by Water Resources) | N/A (Parcel No.) | N/A (Subdivision Name)

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☒ RVC
☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Alluvium		0	1510	1510
Reworked volcanics		1510	1900	490
Ash fall tuff		1900	1910	10
reworked volcanics		1910	1920	10
Ash fall volcanics		1920	1930	10
Reworked volcanics		1930	2400	470
Ash fall tuff		2400	3020	620
Reworked volcanics		3020	3070	50
Ash fall tuff		3070	3300	230
Ash flow tuff		3300	3310	10
Ash fall tuff		3310	3670	360
Ash flow tuff		3670	3690	20
Ash fall tuff		3690	4020	330
Ash flow tuff		4020	4170	150
Ash fall tuff		4170	4220	150

*Note:
20" and 13.375" are blank pipe, no perforations.

Date started July 9, 20 05
Date completed August 16, 20 05

7. WELL TEST DATE

TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

8. WELL CONSTRUCTION

Depth Drilled 4220 Feet Depth Cased 4209 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
38 Inches	0 Feet	95 Feet
26 Inches	95 Feet	1050 Feet
17.5 Inches	1050 Feet	2530 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30	118.65	.375	0	95
20 *	94.	.380	0	1038
13.375 *	54.4	.380	0	2515

Perforations:
Type perforation
Size perforation
From feet to feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No Seal Type:
Depth of Seal 95' ☒ Neat Cement
Placement Method: ☒ Pumped ☐ Cement Grout
☐ Poured ☐ Concrete Grout
Gravel Packed: ☒ Yes ☐ No
From See Notes feet to feet

9. WATER LEVEL

Static water level See Notes feet below land surface
Artesian flow G.P.M P.S.I
Water temperature °F Quality

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Lang Exploratory Drilling (CONTRACTOR)
Address PO Box 5279 (CONTRACTOR)
Elko NV 89802
Nevada contractor's license number issued by the State Contractor's Board 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1366
Signed
By driller performing actual drilling on site or contractor
Date September 13, 2005

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WELL DRILLER'S REPORT

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NOTICE OF INTENT NO. 54794

1. OWNER U.S.D.O.E. NV Ops office MV-3
MAILING ADDRESS

ADDRESS AT WELL LOCATION

Page 2 of 3

2. LOCATION ¼ ¼ Sec T N R E County

PERMIT NO. Issued by Water Resources | Parcel No. | Subdivision Name

3. WORK PERFORMED
☐ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Construction Notes:				
Annulus of 30"				
Cemented		0	95	
Annulus of 20"				
Cemented		0	760	
Gravel pack		760	1000	
Pezo #1				
Cement		0	760	
Gravel pack		760	1000	
Cement		1000	1050	
Annulus of 13 3/8		2165	2515	
Steel ring between				
13 3/8 and 20" at surface				
Pezo #2				
Cement		0	3062	
Gravel		3062	3430	
Cement		3430	3647	
Pezo #3				
Annulus described				
in pezo #2 plus gravel		3647	4220	

Date started , 20
Date completed , 20

7. WELL TEST DATE

TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

8. WELL CONSTRUCTION

Depth Drilled Feet Depth Cased Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12 1/4	Inches	2530	Feet	4220	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
1: 2.375	5.02	.218	+1	880
1: 2.375	5.02	.218	940	960
2: 2.375	5.02	.218	+1	3300

Perforations:
Type perforation Slot
Size perforation .080
From 1: 880 feet to 940 feet
From 2: 3300 feet to 3420 feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☐ Yes ☐ No Seal Type:
Depth of Seal ☐ Neat Cement
Placement Method: ☐ Pumped ☐ Cement Grout
☐ Poured ☐ Concrete Grout
Gravel Packed: ☐ Yes ☐ No
From feet to feet

9. WATER LEVEL

Static water level feet below land surface
Artesian flow G.P.M P.S.I
Water temperature °F Quality

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name (CONTRACTOR)

Address (CONTRACTOR)

Nevada contractor's license number issued by the State Contractor's Board

Nevada driller's license number issued by the Division of Water Resources, the on-site driller

Signed
By driller performing actual drilling on site or contractor

Date

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WELL DRILLER'S REPORT

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Log No. 101501 ps 3
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NOTICE OF INTENT NO.

1. OWNER U.S.D.O.E Ops office MV-3
MAILING ADDRESS
ADDRESS AT WELL LOCATION

Page 3 of 3

2. LOCATION ¼ ¼ Sec T N R E County
PERMIT NO. Issued by Water Resources | Parcel No. | Subdivision Name

3. WORK PERFORMED
☐ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Water Level				
Pezo #1 366'				
Pezo #2 122'				
Pezo #3 1224'				
Pezo #3 Still recovering				

Date started , 20
Date completed , 20

7. WELL TEST DATE

TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

8. WELL CONSTRUCTION

Depth Drilled Feet Depth Cased Feet

HOLE DIAMETER (BIT SIZE)

	From	To
Inches	Feet	Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
3: 5.5	15	.218	+1	4040

Perforations:
Type perforation
Size perforation
From 3: 4040 feet to 4209 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☐ Yes ☐ No Seal Type:
Depth of Seal ☐ Neat Cement
Placement Method: ☐ Pumped ☐ Cement Grout
☐ Poured ☐ Concrete Grout
Gravel Packed: ☐ Yes ☐ No
From feet to feet

9. WATER LEVEL

Static water level feet below land surface
Artesian flow G.P.M P.S.I
Water temperature °F Quality

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name (CONTRACTOR)
Address (CONTRACTOR)
Nevada contractor's license number issued by the State Contractor's Board
Nevada driller's license number issued by the Division of Water Resources, the on-site driller
Signed
By driller performing actual drilling on site or contractor
Date

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