well plugged under Well Log 110441

491

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. 102329
Permit No.
Basin 064

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. 58846

1. OWNER Sierra Pacific Power Co. MW-3
MAILING ADDRESS 6100 Neil Road, Reno, NV. 89511

ADDRESS AT WELL LOCATION North Valmy Power Plant, 40° 56' 35.2"N 116° 57' 15.0"W
Battle Mountain, NV.
Subdivision Name: N/A County: LANDER

2. LOCATION NW¼NW¼ Sec6T35N/ R45E
PERMIT/WAIVER NO. MO-1429 (Issued by Water Resources) N/A (Parcel. No.)

Latitude ~~40° 55.80 N~~ UTM E ☒ NAD 27
Longitude ~~116° 57.24 W~~ N ☐ NAD 83/WGS 84

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ 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
Sand and topsoil		0	15'	15'
Alluvial gravel		15'	20'	5'
Tan clay		20'	80'	60'
Alluvial gravel and clay		80'	335'	255'
Basalt		335'	360'	25'
No returns		360'	610'	250'
Cemented sandstone		610'		
and gravel			660'	50'
40.943111 N				
116.954167 W NAD27				
Vibrating wire				
transducer set at 598.4'				

Date started: 11-27, 20 06
Date completed: 12-02, 20 06

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7. Water Level
Static water level: 164.2 feet below land surface
Artesian Flow: No G.P.M. N/A P.S.I
Water Temperature: Cool °F
Quality: Fair

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
22		2

9. WELL CONSTRUCTION
Depth Drilled 660 Feet Depth Cased 648.4 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
14.750	Inches	0 Feet	20 Feet
	Inches	Feet	Feet
8.750	Inches	20 Feet	660 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10.750	28.035	0.250	+3	20 Steel
2.375	0.950	0.218	+1	648.4 PVC

Perforations:
Type of perforation Milled Slot PVC
Size of perforation 0.020"
From 498.4 feet to 648.4 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 52.4' ☐ Pumped ☒ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 492' to 660' ☒ Pumped ☐ Poured
Type: #6 SRI gravel
Bentonite Chips: ☒ Yes ☐ No 383.6' to 492' ☒ Pumped ☐ Poured
Type: MI 3/8" Kwik Plug medium

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 P.O. Box 5279 (CONTRACTOR)
Elko, NV 89802-5279
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 2039
Signed
By driller performing actual drilling on site or contractor

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

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MH-F

well plugged under well log 110441

1/2

STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

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NOTICE OF INTENT NO. 58846

1. OWNER Sierra Pacific Power Co. MW-3
MAILING ADDRESS 6100 Neil Road, Reno, NV. 89511

ADDRESS AT WELL LOCATION North Valmy Power Plant, Battle Mountain, NV.
Subdivision Name: N/A County: LANDER

2. LOCATION NW¼NW¼ Sec6T35N/ R45E
PERMIT/WAIVER NO. MO-1429 (Issued by Water Resources) N/A (Parcel. No.)

Latitude 40° 53.39 N
Longitude 116° 57.24 W
UTM E N
☒ NAD 27 ☐ NAD 83/WGS 84

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ 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
Page 2				

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Date started: 11-22, 20 06
Date completed: 12-02, 20 06

7. Water Level
Static water level: 164.2 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: Cool °F
Quality: Fair

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
12		1.5

9. WELL CONSTRUCTION
Depth Drilled 660 Feet Depth Cased 648.4 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)
2.375	0.95	0.218	+1	381.3

Perforations:
Type of perforation Mill slot
Size of perforation 0.020"
From 366.3 feet to 381.3 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☐ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 354' to 383' ☒ Pumped ☐ Poured
Type: #6 SRI gravel
Bentonite Chips: ☒ Yes ☐ No 52.4 to 354 ☒ Pumped ☐ Poured
Type: 3/8" Medium Kwik Plug

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 P.O. Box 5279 (CONTRACTOR)
Elko, NV 89802-5279
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 2039
Signed
By driller performing actual drilling on site or contractor
Date 12-11-06

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

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