

**STATE OF NEVADA**  
**DIVISION OF WATER RESOURCES**  
**WELL DRILLER'S REPORT**

OFFICE USE ONLY  
 Log No. 102398  
 Permit No. \_\_\_\_\_  
 Basin 064

PRINT OR TYPE ONLY

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

NOTICE OF INTENT NO. 58845

1. OWNER Sierra Pacific Power Company **MW 2** ADDRESS AT WELL LOCATION North Valmy Power Plant  
6100 Neil Rd.  
 MAILING ADDRESS Reno, NV. 89511 **Battle Mountain, NV.**  
 Subdivision Name: N/A County: Elko

2. LOCATION SW 1/4 SW 1/4 Sec 2 T36N R44E Latitude 40° 04' 22.5" N UTM E  NAD 27  
 PERMIT/WAIVER NO. M/O-1429 NA Longitude 116° 50' 09.9" W  NAD 83/WGS 84  
Issued by Water Resources Parcel No.

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 silt		0	45'	45'
Green clay		45'	65'	20'
Alluvium, clay, and gravel		65'	245'	180'
Basalt		245'	275'	30'
Alluvial gravels		275'	335'	60'
Alluvium, clay, and gravel		335'	430'	95'
White sandstone		430'	480'	50'
Same with tan clay		480'	530'	50'
Tan clay		530'	585'	55'
Ryolite gravels		585'	615'	30'
Tan clay		615'	652'	37'

Date started: 11-8, 20 06  
 Date completed: 11-14, 20 06

9. WELL CONSTRUCTION

Depth Drilled 652 Feet Depth Cased 650 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>14.750</u> Inches	<u>0</u> Feet <u>30</u> Feet
<u>8.500</u> Inches	<u>30</u> Feet <u>95</u> Feet
_____ Inches	_____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>10.750</u>	<u>28.04</u>	<u>0.250</u>	<u>0</u>	<u>20</u>
<u>2.375</u>	<u>0.95</u>	<u>0.218</u>	<u>+1</u>	<u>250 PVC</u>

Perforations:  
 Type of perforation Milled Slot  
 Size of perforation 0.020"

From	To
<u>100</u> feet to	<u>250</u> feet
_____ feet to	_____ feet
_____ feet to	_____ feet
_____ feet to	_____ feet
_____ feet to	_____ feet

Annular Seal:  Yes  No

<input checked="" type="checkbox"/> Neat Cement	<u>0'</u> to <u>50.2</u>	<input type="checkbox"/> Pumped	<input checked="" type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> ≥30% Bentonite Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Gravel Pack: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>97'</u> to <u>252'</u>	<input type="checkbox"/> Pumped	<input checked="" type="checkbox"/> Poured
Type: <u>SRI Gravel #6</u>			
Bentonite Chips: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>50'</u> to <u>97'</u>	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Type: <u>3/8"</u>			

7. Water Level

Static water level: 198.7 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:	TEST METHOD:		
	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input checked="" type="checkbox"/> Bailer			
<input type="checkbox"/> Pump			
<input type="checkbox"/> Air Lift			
<u>Shallow</u>	<u>0.4</u>	<u>0</u>	<u>3</u>
_____	_____	_____	_____
_____	_____	_____	_____

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 3707 Manzanita Lane  
(CONTRACTOR)  
Elko, NV. 89801

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 11/21/06

*Handwritten mark*

