

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

OFFICE USE ONLY

Log No. 107484

Permit No. \_\_\_\_\_

Basin 664 pg1

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Please complete this form in its entirety in accordance with NRS 534.171 and NAC 534.540

NOTICE OF INTENT NO. 63637

1. OWNER **SIERRA PACIFIC POWER COMPANY**  
MAILING ADDRESS **P.O. BOX, 10100, RENO, NV 89520-0024**

ADDRESS AT WELL LOCATION **WELL # 11 AT THE NORTH VALMY POWER PLANT. - Mote Interchange**

2. LOCATION SW 1/4 SW 1/4 Sec 17 T 33N R 5E 44 E  
PERMIT/WAIVER No. **37177**

Subdivision Name \_\_\_\_\_ County: **Humboldt**  
Latitude **40° 43.712 N** Longitude **117° 03.193 W**  
UTM E  NAD 83  
N  NAD 83/NGS 84

3. WORKED 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
silt		0	3'	3'
silty clay		3'	17'	14'
silty clay w/ sand streaks		17'	30'	13'
sand & gravel w/ some clay		30'	32'	2'
gray clay		32'	94'	62'
clay w/ sand & gravel layers		94'	96'	2'
brn. Silty clay		96'	102'	6'
clay w/ sand & gravel layers		102'	201'	99'
sand & small gravel		201'	207'	6'
brn. Clay		207'	244'	37'
clay w/ sand & gravel layers		244'	300'	56'
sand & gravel w/some clay		300'	305'	5'
brn clay w/course sand		305'	385'	80'
clay w/ sand & gravel layers		385'	440'	55'
fractured rock w/ clay layers		440'	493'	53'
clay w/ sand & gravel layers		493'	500'	7'
fractured rock w/ clay layers		500'	680'	180'

N 40.728636  
W 117.052971 NAD83

9. WELL CONSTRUCTION

Depth Drilled	<b>680'</b>	Feet	Depth Cased	<b>660'</b>	Feet
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HOLE DIAMETER (BIT SIZE)

	From	To
42" Inches	0	30'
31" Inches	30'	140'
21" Inches	140'	680'

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
36"		.375"	0'	30'
24"		.375"	0'	140'
14"		.250"	+3	660'

Perforations: **LOUVERED**

Type of perforation \_\_\_\_\_  
Size of perforation **.080"**

From <b>160'</b>	feet to <b>660'</b>	feet
From _____	feet to _____	feet
From _____	feet to _____	feet
From _____	feet to _____	feet
From _____	feet to _____	feet

Annular Seal:  Yes  No

<input type="checkbox"/> Neat Cement	0' to 30'	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input checked="" type="checkbox"/> Cement Grout	0' to 140'	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout	0' to 140'	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> ≥30% Bentonite Grout	to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured

Gravel Pack:  Yes  No **145' to 680'**  Pumped  Poured  
Type: **SRI 1/4" X 1/8"**

Bentonite Chips:  Yes  No **140' to 145'**  Pumped  Poured  
Type: **3/8" HOLE PLUG**

Date started: **4-Nov**, 20 **08**  
Date completed: **13-Nov**, 20 **08**

7. Water Level  
Static water level: **104.15'** feet below land surface  
Artesian Flow: **NO** G.P.M. \_\_\_\_\_ P.S.I. \_\_\_\_\_  
Water Temperature: **COOL** °F \_\_\_\_\_  
Quality: **N/A**

8. WELL TEST DATA

TEST METHOD:  Bailor  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<b>300</b>	<b>26.01'</b>	<b>2hrs 16min</b>

RECEIVED  
2008 DEC - 16 AM 11:16  
SAND ENGINEERS OFFICE

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name **Hydro Resources Nevada, Inc. dba Humboldt Drilling & Pump**  
Contractor  
Address **4975 W. Winnemucca Blvd.**  
Contractor  
**Winnemucca, Nevada 89445**

Nevada contractor's license number issued by the State Contractor's Board: **56797**  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller: **#2158**

Signature **L. Tompkins - OFFICE**  
By driller performing actual drilling on site or contractor  
Date **12/1/2008**

(Rev. 05-08)

USE ADDITIONAL SHEETS IF NECESSARY

