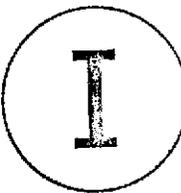


STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT



OFFICE USE ONLY

Log No. 107433
Permit No. _____
Basin 064 pg 1

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NRS 634.110 and NAC 634.140

NOTICE OF INTENT NO. 63638

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

ADDRESS AT WELL LOCATION **WELL # 14 AT THE NORTH VALMY POWER PLANT.**

2. LOCATION **NW 1/4, NW 1/4 Sec 33, T 33N, R 44E**
PERMIT/WAIVER No. 41006-47987-53776

Subdivision Name _____ County **Humboldt**
Latitude 40° 41.772 N UTM E NAD 83
Longitude 117° 01.938 W UTM N NAD 83 WGS 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 State	From	To	Thickness
silty clay w/ cobbles		0	30'	30'
cobbles w/ sand & gravel layers		30'	62'	32'
clay w/ sand layers		62'	109'	47'
sand & gravel w/ clay layers		109'	121'	12'
clay, sticky		121'	136'	15'
sand & gravel w/ clay layers		136'	143'	7'
clay w/ sand & gravel layers		143'	153'	10'
sand & gravel w/ clay layers		153'	191'	38'
clay w/ sand layers		191'	200'	9'
sand & gravel w/ clay layers		200'	211'	11'
clay w/ sand & gravel layers		211'	219'	8'
sand & gravel w/ clay layers		219'	246'	27'
clay w/ sand & gravel layers		246'	335'	89'
sand & gravel w/ clay layers		335'	360'	25'
lg. gravel & sand w. clay layers		360'	394'	34'
clay w/ sand & gravel layers		394'	501'	107'
clay w/ some sand layers		501'	645'	144'
sand & gravel w/ cobbles, some cl		645'	707'	62'
clay w/ sand & gravel, cobbles		707'	870'	163'

9. WELL CONSTRUCTION					
Depth Drilled	870'	Feet	Depth Cased	850'	Feet
HOLE DIAMETER (BIT SIZE)					
	From	To			
42"	inches	0'	Feet	30'	Feet
31"	inches	30'	Feet	200'	Feet
21"	inches	200'	Feet	870'	Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
36"		.375"	0	30'
24"		.375"	0	200'
14"		.250"	+3	850'

Perforations:
Type of perforation **LOUVERED**
Size of perforation **.080"**
From **250'** feet to **850'** feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Annular Seal: Yes No
 Neal Cement 0' to 30' Pumped Poured
 Cement Grout 0' to 200' Pumped Poured
 Concrete Grout 0' to 240' Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured

Gravel Pack: Yes No **245'** to **870'** Pumped Poured
Type: **SRI 1/4" X 1/8"**
Bentonite Chips: Yes No **240'** to **245'** Pumped Poured
Type: **3/8" HOLE PLUG**

Date started: 24-Oct, 2008
Date completed: 3-Nov, 2008
7. Water Level: 160' 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:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailor <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	<u>200</u>	<u>54.6'</u>	<u>2 HRS</u>

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

