

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

OFFICE USE ONLY  
Log No. 118756  
Permit No. 41004  
Basin No. 004

PRINT OR TYPE IN BLACK INK ONLY  
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 63432  
WELL NAME (if applicable): 23R

1. OWNER/CLIENT NAME NV Energy  
MAILING ADDRESS 6226 W. Sahara Ave. Las Vegas NV, 89146

DETAILED ADDRESS AT WELL LOCATION 9.5 miles east of 23755 Treaty Hill Road, Valmy, NV 89438

2. PLS LOCATION NW  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec 34 N/S 44 E  
PERMIT/WAIVER NO. 41004 10-070-04  
*Issued by Water Resources Current Parcel No.*

Subdivision Name: \_\_\_\_\_ County: Lander  
Latitude 40°51'25.34" N UTM E  NAD 27  
Longitude 116°57'58.47" N UTM N  NAD 83/WGS 84

3. WORKED PERFORMED  
 New Well  Deepen: Orig WL# \_\_\_\_\_  
 Replacement: Original well log # 22444  
 Recondition: Original well log # \_\_\_\_\_

4. PROPOSED USE  
 Domestic  Irrigation  Monitor  
 Mining / Dewater  Com / Ind  Stock  
 Test / Other  Mun / QM  Rec

5. WELL TYPE  
 Auger  Rotary  RVC  
 Air  Mud  Sonic  
 Other

6. LITHOLOGIC LOG					
Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
Gray Clay			100	110	10
Clay with Sand			110	130	20
Gravel w/ little clay			130	140	10
Sand w/ little clay			140	150	10
Gravel & Sand			150	160	10
Sand			160	170	10
Gravel + Sand			170	210	40
Sand			210	230	20
Gravel, Clay, Sand			230	240	10
Sand & Clay			240	250	10
Fine Sand			250	260	10
Fine Sand & little Clay			260	310	50
Clay, Gravel, Sand			310	350	40
Gravel & Sand			350	380	30
Gravel, Clay, Rock			380	390	10
Gravel, Clay, Sand			390	400	10
Gravel & Sand			400	410	10
Gravel & Rock			410	420	10
Gravel, Sand, Clay			420	510	90
Sand & Clay			510	530	20
Sand, Clay, & Gravel			530	540	10
Rock & little Clay			540	560	20
Clay & Gravel			560	610	50
Clay, Sand, & Gravel			610	690	80
Clay & Sand			690	790	100

9. WELL CONSTRUCTION

Depth Drilled: 820 Feet Depth Cased: 800 Feet

HOLE DIAMETER (BIT SIZE)

From		To	
<u>36</u> Inches	<u>0</u> Feet	<u>100</u> Feet	
<u>24</u> Inches	<u>0</u> Feet	<u>820</u> Feet	

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>26</u>	<u>86</u>	<u>.312</u>	<u>0</u>	<u>100</u>
<u>14.75</u>	<u>46</u>	<u>.312</u>	<u>+3</u>	<u>540</u>
<u>14.75</u>	<u>46</u>	<u>.312</u>	<u>780</u>	<u>800</u>

PERFORATIONS:

Type of perforation: Louvered (Roscoe Moss Ful-Flo)  
Size of perforation: 0.06  
From 540 Feet To 780 Feet

ANNULAR MATERIALS

Sanitary Seal 0 to 100  
 Neat Cement \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Bentonite Chips \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 15 %  20 %  Other, explain: \_\_\_\_\_  
 Gravel Pack [ > 0.2 in. ] 0 to 820  Pumped  Poured  
 Sand Pack [ < 0.2 in. ] \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Other, explain: \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

7. WATER QUALITIES  
Static water level: 35.9 Feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: \_\_\_\_\_ ° Fahrenheit  
Water Quality: \_\_\_\_\_

10. DRILLER'S CERTIFICATION

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

Name Layne Christensen Company Contractor  
Address 1717 West Park Ave., Redlands, CA 92373 Contractor

Nevada contractor's license number as issued by the State Contractor's Board: \_\_\_\_\_  
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): \_\_\_\_\_

Signed: M. Hel  
By driller performing actual drilling on site or contractor

Date: 12-19-13

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STATE ENGINEERS OFFICE  
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8. WELL TEST DATA

Test Method:	Bailer	Pump	Air Lift
Constant Rate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
	<u>900</u>	<u>190.5</u>	<u>48</u>

