

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

OFFICE USE ONLY  
Log No. 114733  
Permit No. 30426  
Basin No. 064

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. 63428  
WELL NAME (if applicable): 21R

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

DETAILED ADDRESS AT WELL LOCATION 9 miles east of 27355 Treaty  
Hill Road, Valmy, NV 89438  
Subdivision Name: \_\_\_\_\_ County: Lander

2. PLS LOCATION NE ¼ NE ¼ 11 Sec 21 T N S 44 E  
PERMIT/WAIVER NO. 30426 10-070-07  
*Issued by Water Resources Current Parcel No.*

Latitude 40°50'35.34" UTM E  NAD 27  
Longitude 116°58'44.04" UTM N  NAD 83/WGS 84

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

LITHOLOGIC LOG					
Material Encountered	Lost Circ.	Water Strata	From	To	Thick-ness
Sand & Gravel			100	120	20
Coarse Sand			120	140	20
Clay with some sand			140	150	10
Sand w/ Clay			150	160	10
Clay with some sand			160	220	60
Sand			220	230	10
Clay			230	240	10
Clay, Sand, Gravel			240	250	10
Sand			250	260	10
Clay			260	270	10
Gravel, Clay, Sand			270	300	30
Gravel & Sand			300	310	10
Gravel			310	320	10
Sand, Clay, & Gravel			320	350	30
Sand & Clay			350	380	30
Sand, Clay, Gravel			380	390	10
Sand, Silt, Clay			390	420	30
Sand, Clay, Gravel			420	440	20
Sand & Clay			440	490	50
Sand, Clay, Gravel			490	510	20
Coarse Sand, Gravel			510	520	10
Sand, Clay, Gravel			520	530	10
Clay			530	590	60
Clay & Gravel			590	610	20
Clay, Gravel, & Sand			610	630	20

9. WELL CONSTRUCTION  
Depth Drilled: 880 Feet Depth Cased: 800 Feet

HOLE DIAMETER (BIT SIZE)					
		From		To	
36	Inches	0	Feet	100	Feet
16	Inches	100	Feet	880	Feet
24	Inches	100	Feet	820	Feet

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

PERFORATIONS:  
Type of perforation: Louvered (Roscoe Moss full flo)  
Size of perforation: 0.06  
From 540' Feet To 780' Feet  
From \_\_\_\_\_ Feet To \_\_\_\_\_ Feet  
From \_\_\_\_\_ Feet To \_\_\_\_\_ Feet

ANNULAR MATERIALS

<input checked="" type="checkbox"/> Sanitary Seal	<u>0</u> to <u>100'</u>	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input checked="" type="checkbox"/> Neat Cement	<u>820'</u> to <u>880'</u>	<input type="checkbox"/> Pumped	<input 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"/> Bentonite Chips	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> 15 % <input type="checkbox"/> 20 % <input type="checkbox"/> Other, explain: _____			
<input checked="" type="checkbox"/> Gravel Pack [ > 0.2 in. ]	<u>0'</u> to <u>820'</u>	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Sand Pack [ < 0.2 in. ]	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Other, explain: _____	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured

Date started: 18-Oct, 20 13  
Date completed: 26-Nov, 20 13

7. WATER QUALITIES  
Static water level: 36.1 Feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: \_\_\_\_\_ ° Fahrenheit  
Water Quality: \_\_\_\_\_

8. WELL TEST DATA

Test Method:	G.P.M.			Recorded Time (Hours)
	Bailer	Pump	Air Lift	
Constant Rate	800	254.5	72	

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. Hal  
By driller performing actual drilling on site or contractor  
Date: 12-16-13

(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY

RECEIVED  
21 DEC 18 PM 1:30  
ENGINEERS OFFICE  
1660

