

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
Subdivision Name: _____ County: Lander

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.

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 # 22446
 Recondition: Original well log # _____

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

5. WELL TYPE
 Auger Rotary RVC
 Air Mud Sonic
 Other

| Material Encountered | Lost Circ. | Water Strata | From | To | Thick-ness |
|-------------------------|------------|--------------|------|-----|------------|
| 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 | 580 | 560 |
| 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 | From | To |
| <u>36</u> Inches | <u>0</u> Feet | <u>100</u> Feet | <u>100</u> Feet |
| <u>24</u> Inches | <u>0</u> Feet | <u>820</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
From _____ Feet To _____ Feet
From _____ Feet To _____ 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

Date started: 13-Nov , 20 13
Date completed: 11-Dec , 20 13

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: _____

8. WELL TEST DATA

Test Method: Bailor Pump Air Lift

| | G.P.M. | Draw Down (Feet Below Static) | Recorded Time (Hours) |
|---------------|------------|-------------------------------|-----------------------|
| Constant Rate | <u>900</u> | <u>190.5</u> | <u>48</u> |
| | | | |
| | | | |
| | | | |

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 92370 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. Hol
By driller performing actual drilling on site or contractor
Date: 12-19-13

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(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY