

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

OFFICE USE ONLY
Log No. 124261
Permit No. _____
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. 74324
WELL NAME (if applicable): LF-6

1. OWNER/CLIENT NAME NV Energy
MAILING ADDRESS 23755 Treaty Hill Rd.
Valmy NV 89438

DETAILED ADDRESS AT WELL LOCATION 23755 Treaty Hill Rd.
Valmy NV 89438
Subdivision Name: North Valmy Power Plant County: Humboldt

2. PLS LOCATION SE 1/4 SE 1/4 20 Sec 35 T15S R10E
PERMIT/WAIVER NO. M/2036 55-4320-100-00
Issued by Water Resources Current Parcel No.

Latitude 40° 53' 25.96" N UTM E NAD 27
Longitude 117° 9' 11.32" W 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	Thickness
<u>Aluminum</u>		<u>NO</u>	<u>0</u>	<u>20</u>	
<u>Clay</u>		<u>NO</u>	<u>20</u>	<u>65</u>	
<u>Basalt</u>		<u>Yes</u>	<u>65</u>	<u>93</u>	
<u>Neat Cement</u>			<u>0</u>	<u>20</u>	<u>20</u>
<u>3/8 Chip</u>			<u>20</u>	<u>26</u>	<u>6</u>
<u>Sand</u>			<u>26</u>	<u>93</u>	<u>67</u>
<u>NAD 27</u>					
<u>40.890639</u>					
<u>117.152200</u>					
<u>4" SCH 80 PVC Blank</u>			<u>+2</u>	<u>28</u>	<u>30</u>
<u>4" SCH 80 PVC screen</u>			<u>28</u>	<u>88</u>	<u>60</u>
<u>4" SCH 80 PVC Blank</u>			<u>88</u>	<u>93</u>	<u>5</u>

9. WELL CONSTRUCTION
Depth Drilled: 93 Feet Depth Cased: 93 Feet

HOLE DIAMETER (BIT SIZE)

Inches	From	To	Feet	Feet
<u>16"</u>	<u>0</u>	<u>20</u>		
<u>10 3/4"</u>	<u>20</u>	<u>93</u>		

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4.5"</u>		<u>SCH 80 PVC</u>	<u>+2</u>	<u>28</u>
<u>4.5"</u>		<u>SCH 80 PVC</u>	<u>88</u>	<u>93</u>

PERFORATIONS:

Type of perforation: Slotted
Size of perforation: .010
From 28 Feet To 88 Feet
From _____ Feet To _____ Feet
From _____ Feet To _____ Feet

ANNULAR MATERIALS

Sanitary Seal 0 to 20 Pumped Poured
 Neat Cement 0 to 20 Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 Bentonite Chips 20 to 26 Pumped Poured
 Bentonite Grout _____ to _____ Pumped Poured
 15 % 20 % Other, explain: _____
 Gravel Pack [> 0.2 in.] _____ to _____ Pumped Poured
 Sand Pack [< 0.2 in.] 26 to 93 Pumped Poured
 Other, explain: _____ to _____ Pumped Poured

7. WATER QUALITIES
Static water level: 47 Feet below land surface
Artesian Flow: 37 G.P.M. P.S.I.
Water Temperature: 55 ° Fahrenheit
Water Quality: Clear

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Hard Rock Exploration Contractor
Address 5100 Belsera Ct Reno NV 89519 Contractor

8. WELL TEST DATA

Test Method: Bailor Pump Air Lift

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
<u>93</u>	<u>20</u>	<u>1/2 hr.</u>

Nevada contractor's license number as issued by the State Contractor's Board: 048195A 48915A
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 1957
Signed: _____
Date: 1-4-10