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

OFFICE USE ONLY
Log No. 124265
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. 74328
WELL NAME (If applicable): LF-10

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: Nort Valmy Power Plant County: Humbolt

2. PLS LOCATION NE ¼ NE ¼ 29 Sec 35 N/S 43 E
PERMIT/WAIVER NO. NVO-2036 (Issued by Water Resources) 3543-29-100-001 (Current Parcel No.)

Latitude W 117.15010° UTM E ☒ NAD 27
Longitude N 40.88601 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

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
Alluvium		NO	0'	20'	20'
Clay		NO	20'	65'	45'
Basalt		Yes	65'	108'	43'
Neat Cement			0'	20'	20'
Cement Grout			20'	43'	23'
3/8 Chip			43'	46'	3'
Sand			46'	113'	67'
4" SCH80 PVC Blank			+2	48'	50'
4" SCH80 PVC Screen			48'	108'	60'
4" SCH80 PVC Blank			108'	113'	5'

Date started: 12-11, 20 15
Date completed: 12-14, 20 15

9. WELL CONSTRUCTION
Depth Drilled: 113' Feet Depth Cased: 113' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
16"	Inches	0'	Feet	20'	Feet
10 3/4"	Inches	20'	Feet	113'	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4.5"		SCH80 PVC	+2	48'
4.5"		SCH80 PVC	108'	113'

PERFORATIONS:
Type of perforation: Slotted
Size of perforation: .010
From 48' Feet To 108' Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0'	to 20'		
☒ Neat Cement	0'	to 20'	☒ Pumped	☐ Poured
☒ Cement Grout	20'	to 43'	☒ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ Bentonite Chips	43'	to 46'	☒ Pumped	☐ Poured
☐ Bentonite Grout		to	☒ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]		to	☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	46'	to 113'	☒ Pumped	☐ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

7. WATER QUALITIES
Static water level: 88 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: 75 ° Fahrenheit
Water Quality: Clear

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☒ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
113'	10		1/2 hr.

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)

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: [signature] (By driller performing actual drilling on site or contractor)
Date: 12-14-15

(Rev. 08-12)
USE ADDITIONAL SHEETS IF NECESSARY
(NSPO Rev 11-12) (O) 627