

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

OFFICE USE ONLY  
Log No. 121767  
Permit No. \_\_\_\_\_  
Basin 064

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

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

LF SR

NOTICE OF INTENT NO. 67313

1. OWNER NV ENERGY ADDRESS AT WELL LOCATION NV ENERGY VALMT  
MAILING ADDRESS 6226 W. SARAPA AVE GENERATION STATION VALMY, NV  
MAIL STOP 30 LAS VEGAS NV 89142 Subdivision Name: \_\_\_\_\_ County: HUMBOLT  
2. LOCATION NW 1/4 SW 1/4 Sec 21 T 35 N/S R 2043 E Latitude 40° 53' 35.67 UTM E  NAD 27  
PERMIT/WAIVER No. M/O 1968 007-351-22 Longitude 117° 08' 38.84 N  NAD 83/WGS 84  
issued by Water Resources Parcel No. \_\_\_\_\_

3. WORKED PERFORMED  New Well  Replace  Recondition  Deepen  Other  
4. PROPOSED USE  Domestic  Irrigation  Test  Stock  Municipal/Industrial  Monitor  
5. WELL TYPE  Cable  Rotary  RVC  Other SONIC  Air

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
SEE ATTACHED LITH LOG				
NAD 27 40.893336°N 117.143456°W				

9. WELL CONSTRUCTION

Depth Drilled 120 Feet Depth Cased 120 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>8</u> Inches	<u>0</u> Feet <u>120</u> Feet
_____ Inches	_____ Feet _____ Feet
_____ Inches	_____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4"</u>		<u>SCH 80 PVC</u>	<u>0</u>	<u>120</u>

Perforations:

Type of perforation FACTORY SLOT  
Size of perforation .020

From	feet to	feet
<u>120</u>	<u>65</u>	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Annular Seal:  Yes  No

Neat Cement 61 to 0  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 ≥30% Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Gravel Pack:  Yes  No 120 to 63  Pumped  Poured  
Type: # 3 MONTEREY

Bentonite Chips:  Yes  No 63 to 61  Pumped  Poured  
Type: MEDIUM

Date started: 2-5 , 20 15  
Date completed: 2-6 , 20 15

7. Water Level  
Static water level: 65.5 feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: \_\_\_\_\_ °F  
Quality: \_\_\_\_\_

8. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			

10. DRILLER'S CERTIFICATION

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

Name CASCADE DRILLING Contractor  
Address 230 F. STONEY OR. Contractor  
LAS McCARRAN, NV  
Nevada contractor's license number \_\_\_\_\_  
issued by the State Contractor's Board 73966  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2434

Signed [Signature]  
By driller performing actual drilling on-site or Contractor  
Date 2-6-15



**Stantec Consulting Services Inc.**  
 1165 East Jennings Way, Suite 101  
 Elko, NV 89801-7977  
 Tel: (775) 738-8766  
 Fax: (775) 738-2264

595 Double Eagle Court, Suite 2000  
 Reno, NV 89521-9005  
 Tel: (775) 747-5777  
 Fax: (775) 747-2177

Well log#  
 1217607

**Valmy Power Plant  
 Summary Log of Replacement Monitoring Well**

**LF-5RR: Completed 02/06/2015**

Well Number	From	To	Interval	Lithology	Groundwater
LF-5RR	0	3.5	3.5	Poorly graded sand	--
	3.5	15	11.5	Silty gravel with sand	--
	15	17	2	Poorly graded sand	--
	17	36	19	Silt	--
	36	43.5	7.5	Poorly graded sand with silty sand lenses	--
	43.5	53	9.5	Silt with gravel beds at basalt contact	--
	53	120	67	Basalt with old soil horizons 6 to 8 feet thick	65.5 feet (trace); 103 feet (est. 10-20 gpm)

Notes: All intervals in feet below ground surface.  
 Groundwater depth as first encountered in drilling.  
 gpm = gallons per minute



*Walter M. Martin*  
 Walter Martin, CPG-11358

*2/11/15*  
 Date

RECEIVED  
 REGISTERED PROFESSIONAL  
 STATE ENGINEERS OFFICE