

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

OFFICE USE ONLY
 Log No. 113114
 Permit No. _____
 Basin 138

PRINT OR TYPE ONLY

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

NOTICE OF INTENT NO. 66452

1. OWNER Ormat Technologies		ADDRESS AT WELL LOCATION Basin 138	
MAILING ADDRESS 6225 Neil Rd.		Austin, NV	
Reno, NV 89511		Subdivision Name: _____ County: Lander	
2. LOCATION SW¼SE¼ Sec16T22N/ R47E		Latitude 39.76585	UTM E _____ <input type="checkbox"/> NAD 27
PERMIT/WAIVER NO. _____	005-240-01	Longitude 116.69117	N _____ <input checked="" type="checkbox"/> NAD 83/WGS 84
Issued by Water Resources _____ Parcel No. _____			
3. WORK PERFORMED <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Replace <input type="checkbox"/> Recondition <input type="checkbox"/> Deepen <input type="checkbox"/> Other _____		4. PROPOSED USE <input type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Municipal/Industrial <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Stock	
		5. WELL TYPE <input type="checkbox"/> Cable <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> RVC <input type="checkbox"/> Air <input type="checkbox"/> Other Mud	

6. LITHOLOGIC LOG				
Material	Water Strata	From	To	Thick-ness
Sand & Gravel, some silts		0	10	10
Sand & Silt streaks		10	40	30
Silt & Sand		40	50	10
Gravel & Light brown silt		50	60	10
Sand, Gravel, Silts		60	79	19
Sand & Gravels w/clay streaks		79	208	129
Bigger boulders & gravel		208	229	21
Sandy Brown Clays, S/gravel		229	329	100
Sandy Brown clay w/gravel, boulders		329	481	152
Volcanics w/streaks of soft clay		481	629	148
Black & Red Volcanic rock		629	634	5
Black & Red Vol. w/clay streaks		634	739	105
Multi colored Volcanics		739	742	3
Sandy Brown Clays		742	754	12
Multi Colored Volcanics		754	768	14
Black Volcanics		768	770	2
Well # 4				
Facility ID # DOI-BLM-NV-B010-2011-0015-EA				

9. WELL CONSTRUCTION				
Depth Drilled	770 Feet	Depth Cased	770 Feet	
HOLE DIAMETER (BIT SIZE)				
From		To		
8 1/2 Inches	0 Feet	770 Feet		
_____ Inches	_____ Feet	_____ Feet		
_____ Inches	_____ Feet	_____ Feet		
CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2		PVC80	+2	770
Perforations:				
Type of perforation	Saw cut			
Size of perforation	3/32 X 4"			
From	765 feet to	770 feet		
From	_____ feet to	_____ feet		
From	_____ feet to	_____ feet		
From	_____ feet to	_____ feet		
From	_____ feet to	_____ feet		
Annular Seal: <input type="checkbox"/> Yes <input type="checkbox"/> No				
<input checked="" type="checkbox"/> Neat Cement	0 to 50	<input checked="" 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 checked="" type="checkbox"/> ≥30% Bentonite Grout	50 to 760	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured	
Gravel Pack: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	760 to 770	<input type="checkbox"/> Pumped	<input checked="" type="checkbox"/> Poured	
Type: 1/4 x 1/8				
Bentonite Chips: <input type="checkbox"/> Yes <input type="checkbox"/> No	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured	
Type: _____				

7. Water Level
 Static water level: **No Water** feet below land surface
 Artesian Flow: _____ G.P.M. _____ P.S.I.
 Water Temperature: **cool** °F
 Quality: **not tested**

8. WELL TEST DATA		
TEST METHOD:	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift		
		3

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name **Bruce MacKay Pump & Well Service, Inc.**
 (CONTRACTOR)
 Address **1600 Mt. Rose Hwy**
 (CONTRACTOR)
Reno, NV 89511
 Nevada contractor's license number issued by the State Contractor's Board **23096**
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller **923**
 Signed R. Bruce MacKay
 By driller performing actual drilling on site or contractor
 Date **2-21-11**