STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 113115
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. 66453

1. OWNER Ormat Technologies
MAILING ADDRESS 6225 Neil Rd.
Reno, NV 89511

ADDRESS AT WELL LOCATION Basin 138
Austin, NV
Subdivision Name: County: Lander

2. LOCATION SE¼SW¼ Sec9T21N/ R46E
Latitude 39.69416 UTM E ☐ NAD 27
Longitude 116.80952 N ☒ NAD 83/WGS 84

PERMIT/WAIVER NO. 005-300-02
Issued by Water Resources Parcel. No.

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☒ Rotary ☐ RVC
☐ Air ☐ Other Mud

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Brown Clay & Silt		0	20	20
Cobbles,Sand & Gravel		20	40	20
Large Cobbles,Sand,Gravel,Brn clay		40	120	80
Volcanic Rock & Brown Clay		120	160	40
Brown Clay		160	180	20
Large Vol. sands w/brown clay		180	220	40
Volcanic cobbles w/brown clay		220	230	10
Red Volcanic Tuff		230	240	10
Well # 5				
Facility ID # DOI-BLM-NV-B010-2011-0015-EA				

Date started: 2-15, 20 11
Date completed: 2-17, 20 11

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: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
		3

9. WELL CONSTRUCTION
Depth Drilled 240 Feet Depth Cased 230 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
8 3/4 Inches	0 Feet	240 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	230

Perforations:
Type of perforation Saw cut
Size of perforation 3/32 X 4"
From 227 feet to 230 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 50 to 0 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☒ ≥30% Bentonite Grout 224 to 50 ☒ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 240 to 224 ☐ Pumped ☒ Poured
Type: 1/4 x 1/8
Bentonite Chips: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:

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 1790
Signed R. Bruce MacKay
By driller performing actual drilling on site or contractor
Date 2-21-11

RECEIVED 2011 MAR -8 AM 10:29

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

Forms Provided by Forms-On-A-Disk · (214) 340-9429 · FormsOnADisk.com

39.694236°N NAD 27
116.808602°W (TA)