

STATE OF NEVADA  
 COMMISSION ON MINERAL RESOURCES  
**RECEIVED** **DIVISION OF MINERALS**  
 400 W. King Street, Suite 106  
 Carson City, Nevada 89703  
 (775) 684-7040 ! Fax (775) 684-7052

JAN 06 2010

Division of Minerals

Date Received	_____
API Number	27-001-90423
County	Churchill
Permit Number	1134
FOR DIVISION USE ONLY	

**GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**

The applicant  
 Ormat Nevada

Name (or Corporate/Business Name) \_\_\_\_\_  
 of \_\_\_\_\_  
 Street Address 6225 Neil Road  
 City Reno State NV Zip Code 89511

hereby makes application for a geothermal development permit, State of Nevada, Division of Minerals.

(If applicant is a corporation, show state and date of incorporation; if a partnership, list names of partners.)

This application is for a     Domestic well                       Commercial well                       Industrial well  
 Other, specify:     Observation well                       Thermal Gradient well                       Re-entry

**Note:** Re-entry includes workover, deepening, or plugging back operations.

Applicant is:     Land Owner                       Lease Holder  
 Well Name: 76-28  
 Lease Name/No: N-13072A  
 Land Type:     Federal (BLM, USFS, etc.)                       Private                       State

Location of Well:  
 Domestic: Street: \_\_\_\_\_  
 City: \_\_\_\_\_ County: \_\_\_\_\_

Commercial and Industrial: NE \_\_\_\_\_  $\frac{1}{4}$  of, SE \_\_\_\_\_  $\frac{1}{4}$  in Section 28,  
 Township 22N, Range 27E,  
 County Churchill

(If applicable, give street address below.)  
 Street: E332826 N4400969 NAD83  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_

**GEOTHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**  
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Operator's Name: Ormat Nevada Inc.  
Address: 6225 Neil Road  
City, St Zip: Reno, Nevada 89511

Drilling Contractor's Name: Geo-Drill  
Address: 4782 Hwy 111 Brawley  
City, St Zip: Brawley, CA 92227

Rotary Rig Description: Rotary

Hole Size: \_\_\_\_\_ Casing Size: \_\_\_\_\_ Weight/Gauge: \_\_\_\_\_

Estimated Well Head Temperature: 375 +/- F

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:

Geothermal electric energy production

Planned Disposal of Spent Geothermal Fluid:

Reserve Pit

Type and Amount of Bond: BLM Statewide Bond @ \$50,000. NDOM bond \$75,000  
(Exempt for Domestic Class)

Bond Issued by: Bank of America CD (NDOM) Serial No. BLM 284

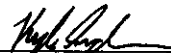
The Source of the Proposed Geothermal Resource is:

Desert Peak KGRA

(List name of hot spring, geologic formation(s) or other source.)

Total Depth to be Drilled: +/- 1500'

Drilling will Commence On or Before: May, 2010

Signature of Applicant/Agent: 

Date: 12/31/09

CONDITIONS OF PERMIT

1. All permittees must comply with appropriate sections of the Geothermal Rules and Regulations of the Division of Minerals and with applicable rules and regulations of other local, state, and federal agencies.
2. During the drilling of domestic geothermal wells, all water strata above the geothermal horizon being used must be sealed or separated in order to prevent their contents from passing into other strata.
3. All fresh water and water of value or possible value for other beneficial uses must be confined to their respective strata and be adequately protected by methods approved by the Division. Precautions must be taken in drilling and abandoning wells to guard against any loss of fresh water from the strata in which it occurs, and the contamination of any fresh water by objectionable water.
4. The operator of any well must shut off and exclude all water from any geothermal resource-bearing stratum to the satisfaction of the Division.
5. Additional Conditions

- A. See attached CD.
- B. Under Project Area Permit 519.
- C. \_\_\_\_\_

**PERMIT APPROVAL**

Approved 4/27/10 with the conditions noted above.  
Date

Permit Number 1134

Alan R. Lynn  
Administrator  
Division of Minerals