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Division of Minerals

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

Date Received	
API Number	27-023-90169
County	Nye
Permit Number	1081
FOR DIVISION USE ONLY	

GEOTHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

The applicant

Ormat Nevada Inc. Attn: Scott Kessler

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.)

[Empty box for incorporation/partnership details]

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: ~~25-07~~ 25A-07

Lease Name/No: HRH Resources

Land Type:  Federal (BLM, USFS, etc.)  Private  State

Location of Well:

Domestic: Street: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

Commercial and Industrial: NW 1/4 of, SW 1/4 in Section 7 \_\_\_\_\_

Township 12N \_\_\_\_\_, Range 34E \_\_\_\_\_

UTM Northing 0438628 N; UTM Easting 396201 E (Using NAD27 Datum)

County Nye \_\_\_\_\_

(If applicable, give street address below.)

Street: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

**GEOHERMAL 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: Ca. 92836

Rotary Rig Description: Truck Mounted

Hole Size: 36" Casing Size: 30" Weight/Gauge: PEBFW 3.75

Estimated Well Head Temperature: 300

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:  
Exploration well for temperature and flow testing only.

Planned Disposal of Spent Geothermal Fluid:  
Flow to reserve pit or long term to a subsequent well.

Type and Amount of Bond: 75,000 CD  
(Exempt for Domestic Class)

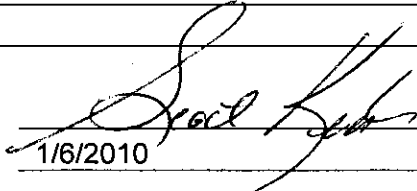
Bond Issued by: Bank of America Serial No. \_\_\_\_\_

The Source of the Proposed Geothermal Resource is:  
\_\_\_\_\_

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

Total Depth to be Drilled: 4500'

Drilling will Commence On or Before: January 2009

Signature of Applicant/Agent:   
Date: 1/6/2010

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 COA.
- B. Under Project Area Permit 1072.
- C. \_\_\_\_\_

**PERMIT APPROVAL**

Approved January 15 2010 with the conditions noted above.  
Date

Permit Number 1081

Doug Drieson  
Deputy Administrator  
Division of Minerals