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JAN 12 2010

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	27-023-90171
County	Nye
Permit Number	1083
FOR DIVISION USE ONLY	

GEOHERMAL 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.)

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: 45-07

Lease Name/No: HRH Resources

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

Location of Well:

Domestic: Street: _____

City: _____ County: _____

Commercial and Industrial: NE _____ ¼ of, SW _____ ¼ in Section 7 _____,

Township 12N _____, Range 34E _____,

UTM Northing 0396514 N; UTM Easting 438675 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: 8.5 Casing Size: 7 Weight/Gauge: J-55 K-55 BT&C

Estimated Well Head Temperature: _____

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:

Temperature Gradient Hole. No fluids produced.

Planned Disposal of Spent Geothermal Fluid:

No fluids produced

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: 500

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 1083

Doug Dineen
Deputy Administrator
Division of Minerals