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DEC 23 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	27-027-90083
County	Plummer
Permit Number	1192
FOR DIVISION USE ONLY	

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

The applicant  
Ormat Nevada Inc.

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: 86 (87)-28  
Lease Name/No: Jersey Valley Unit #N-83483X ;Lease NVN-74881  
Land Type:  Federal (BLM, USFS, etc.)  Private  State

Location of Well:

Domestic: Street: \_\_\_\_\_  
City: \_\_\_\_\_ County: \_\_\_\_\_

Commercial and Industrial: SE ¼ of, SE ¼ in Section 28  
Township 27N, Range 40E  
UTM Northing 4447705 N; UTM Easting 459428 E (Using NAD27 Datum)  
County PE

(If applicable, give street address below.)

Street: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_

**GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**

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Operator's Name: Samel

Address: \_\_\_\_\_

City, St Zip: \_\_\_\_\_

Drilling Contractor's Name: Geo Drill

Address: 4782 Hwy 111 Brawley

City, St Zip: Brawley, Ca 92227

Rotary Rig Description: Rotary

Hole Size: 42 Casing Size: 30 Weight/Gauge: 119 lb

Estimated Well Head Temperature: 320

Size of BOP:  2000 psi  3000 psi  5000 psi

**Planned Use of Geothermal Resource:**

Geothermal power generation

**Planned Disposal of Spent Geothermal Fluid:**

injection

Type and Amount of Bond: State Wide Bond @ \$75,000

(Exempt for Domestic Class)

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

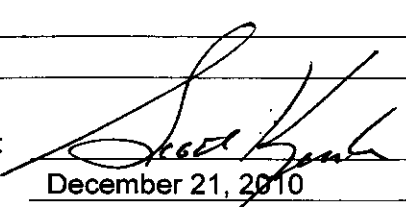
**The Source of the Proposed Geothermal Resource is:**

Jersey Hot Springs prospect

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

Total Depth to be Drilled: 3350'

Drilling will Commence On or Before: January 2, 2010

Signature of Applicant/Agent: 

Date: December 21, 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 900.

C. \_\_\_\_\_

**PERMIT APPROVAL**

Approved JANUARY 12 2011 with the conditions noted above.  
Date

Permit Number 1192

Doug Driscoll  
Deputy Administrator  
Division of Minerals