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DEC 09 2011

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	27-021-90049
County	MINERAL
Permit Number	1276
FOR DIVISION USE ONLY	

**GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**

Name or Corporate/Business Name

ORNI 47

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: 24A-6

Lease Name/No: NVN-83931X

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

Location of Well:

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

Commercial and Industrial: SW          ¼ of, NW          ¼ in Section 6  
 Township 11N         , Range 33E         

UTM Datum Used: <input checked="" type="checkbox"/> NAD83 Datum <input checked="" type="checkbox"/> NAD27 Datum
UTM Northing 4300941. N; UTM Easting 386297. E

County Mineral

(If applicable, give street address below.)

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

Operator's Name: Ormat Nevada Inc.  
Address: 6225 Neil Road  
City, St Zip: Reno, Nevada 89511

Drilling Contractor's Name: Geo Drill  
Address: \_\_\_\_\_  
City, St Zip: Brawley, Ca

Rotary Rig Description: Rotary

Hole Size: 26" Casing Size: 20" Weight/Gauge: 94 lb/ft K-55BT&C

Estimated Well Head Temperature: 260'

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:  
Exploration well

Planned Disposal of Spent Geothermal Fluid:  
Reserve Pit.

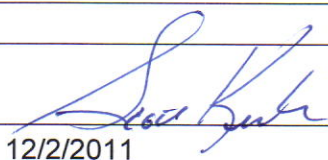
Type and Amount of Bond: \$75,000 CD  
(Exempt for Domestic Class)

Bond Issued by: BofA Serial No. \_\_\_\_\_

The Source of the Proposed Geothermal Resource is:  
Wild Rose formerly Dead Horse  
(List name of hot spring, geologic formation(s) or other source.)

Total Depth to be Drilled: 3,500'

Drilling will Commence On or Before: 12/7/2011

Signature of Applicant/Agent:   
Date: 12/2/2011

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. \_\_\_\_\_  
\_\_\_\_\_

B. \_\_\_\_\_  
\_\_\_\_\_


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

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**PERMIT APPROVAL**

Approved 12/21/11 with the conditions noted above.  
Date

Permit Number 1276

  
\_\_\_\_\_  
Administrator  
Division of Minerals