

RECEIVED STATE OF NEVADA
 COMMISSION ON MINERAL RESOURCES
 DEC 20 2016 **DIVISION OF MINERALS**
 400 W. King Street, Suite 106
 Carson City, Nevada 89703
 Division of Minerals (775) 684-7040 ! Fax (775) 684-7052

Date Received	
API Number	27-001-90477
County	Churchill
Permit Number	1281
FOR DIVISION USE ONLY	

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name
 ORNI 16

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: 11A-32
 Lease Name/No: NVN-07914
 Land Type: Federal (BLM, USFS, etc.) Private State

Location of Well:

Domestic: Street: _____
 City: _____ County: _____

Commercial and Industrial: NW $\frac{1}{4}$ of, NW $\frac{1}{4}$ in Section 32,
 Township 18N, Range 30E

UTM Datum Used:	<input checked="" type="checkbox"/> NAD83 Datum	<input type="checkbox"/> NAD27 Datum
UTM Northing	<u>4360968.4</u>	N; UTM Easting <u>358024.2</u> E

County Churchill

(If applicable, give street address below.)

Street: _____
 City: _____
 State: _____ Zip: _____

RECEIVED

DEC 20 2011

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

Division of Minerals

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

Rotary Rig Description: Rotary

Hole Size: 5-3/4" Casing Size: 4-1/2" Weight/Gauge: 11.3 lb/ft J-55

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:

Carson Lake

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

Total Depth to be Drilled: 3,000'

Drilling will Commence On or Before: _____

Signature of Applicant/Agent: 

Date: 12/19/2011

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. See attached COA

B. Send daily drilling reports to
Lucee Place and Arda Wells

C. _____

PERMIT APPROVAL

Approved 1/23/12 with the conditions noted above.
Date

Permit Number 1281

Alan R. [Signature]

Administrator
Division of Minerals