

RECEIVED

FEB 26 2013

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 | <u>87-001-90504</u> |
| County | <u>Churchill</u> |
| Permit Number | <u>1331</u> |
| FOR DIVISION USE ONLY | |

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name

ORNI 32 LLC

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: 84-7

Lease Name/No: Dixie Hope

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

Location of Well:

Domestic: Street: _____
City: _____ County: _____

Commercial and Industrial:

SE _____ ¼ of, NE _____ ¼ in Section 7,
Township 22N, Range 35E,

UTM Northing 4404797 N; UTM Easting 407519 E (Using NAD27 Datum)

****Note: Please convert UTM's from NAD83 to NAD27****

County Churchill

(If applicable, give street address below.)

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

Operator's Name: ORNI 32 LLC
Address: 6225 Neil Road
City, St Zip: Reno, Nevada 89511

Drilling Contractor's Name: Geo Drill
Address: 4782 Hwy 111
City, St Zip: Brawley, Ca

Rotary Rig Description: Core Rig

Hole Size: 8-1/2" Casing Size: 7" Weight/Gauge: K-55 BTC

Estimated Well Head Temperature: 200

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:
Geothermal exploration

Planned Disposal of Spent Geothermal Fluid:
Reserve Pit

Type and Amount of Bond: \$75,000 state wide NDOM. \$150,000 BLM nationwide bond
(Exempt for Domestic Class)

Bond Issued by: BofA cd 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: 6,000'

Drilling will Commence On or Before: April 1, 2013

Signature of Applicant/Agent: 
Date: 2/14/2013

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. See attached Conditions of Approval.
6. Please send daily drilling reports to : Lowell Price lprice@govmail.state.nv.us
and
Linda lwells@govmail.state.nv.us
7. Additional Conditions/Comments

| | |
|----|--|
| A. | <i>Under Project Area Permit 1299.</i> |
| B. | |
| C. | |

PERMIT APPROVAL

Approved 3/8/13 with the conditions noted above.
Date

Permit Number 1331



Administrator
Division of Minerals