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APR 03 2013

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

Division of Minerals

Date Received	_____
API Number	<u>22-015-90121</u>
County	<u>Lander</u>
Permit Number	<u>1335</u>
FOR DIVISION USE ONLY	

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name

ORNI 39 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: 22B-10

Lease Name/No: McGinness Hills

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

Location of Well:

Domestic: Street: _____

City: _____ County: _____

Commercial and Industrial:

NW 1/4 of, NW 1/4 in Section 10,

Township 20N, Range 45E,

UTM Northing 4385092 N; UTM Easting 507784 E (Using NAD27 Datum)

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

County Lander

(If applicable, give street address below.)

Street: _____

City: _____

State: _____ Zip: _____

Operator's Name: ORNI 39 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 92227

Rotary Rig Description: Track mounted

Hole Size: 42" Casing Size: 30" Weight/Gauge: 3/8" wall PEBFW

Estimated Well Head Temperature: 300

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:

Energy Production

Planned Disposal of Spent Geothermal Fluid:

Injection

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

Bond Issued by: BofA CD Serial No. _____

The Source of the Proposed Geothermal Resource is:

McGinness Hills BLM lease

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

Total Depth to be Drilled: 5,000

Drilling will Commence On or Before: 5/1/2013

Signature of Applicant/Agent: 
Date: 4/1/2013

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 901.</i>
B.	
C.	

PERMIT APPROVAL

Approved 4/5/13 with the conditions noted above.
Date

Permit Number 1335



Administrator
Division of Minerals