

RECEIVED

JUN 10 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>27-015-90123</u>
County	<u>LANDER</u>
Permit Number	<u>1340</u>
FOR DIVISION USE ONLY	

GEOHERMAL INJECTION WELL PERMIT APPLICATION

The applicant
ORNI 39 LLC

Name (or Corporate/Business Name) _____
of _____
Street Address 6225 Neil Road
City Reno State NV Zip Code 89511
Telephone 775-356-9029
Email ksnyder@ormat.com

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.)

Applicant is: Land Owner Lease Holder
Well Name: 66C-22
Lease Name/No: Lancaster Split Estate? Yes No
Land Type: Federal (BLM, USFS, etc.) Private State
Type and Amount of Bond: \$75,000 CD
(Exempt for Domestic Class)

Bond Issued by: Bank of America
Serial No. _____

Well Location: NW 1/4, SE 1/4, Section 22

Township 20N, Range 45E, County Lander

UTM Northing 4381087 N; UTM Easting 508487 E (NAD83 Datum)

Operator's:
Name: ORNI 39 LLC
Address: 6225 Neil Road
City, St Zip: Reno, NV 89511

Drilling Contractor's:

Name: Geo-drill

Address: 4782 Hwy 111

City, St Zip: Brawley, CA 92227

Telephone: 775-356-9029

Hole Size: 26" Casing Size: 20" Weight/Gauge: 94 lb/ft J-55

Size of BOP: 2000 psi 3000 psi 5000 psi

Rotary Description:

Identify or locate the sources of the fluids which will be injected:

Existing phase I production wells (28-10, 28A-10, 28B-10, 36-10, 36A-10) as well as Phase II wells that have not yet been drilled.

Estimated average daily volume of fluids injected unknown gallons.

Maximum daily volume of fluids injected unknown gallons.

Estimated maximum injected pressure 100 psi, temperature 180 EF

List proposed metering equipment, pipelines and safety devices that will be used to prevent accidental pollution:

The usual pipelines and instrumentation will be used: Ultrasonic or orifice flow meter, pressure and temperature gauges and transmitters, isolation and chck valves.

Total Depth to be Drilled: 3025'

Drilling will Commence On: 08/01/2013

Is this well location under an Underground Injection Permit?

If so, provide NDEP Permit number UNEV _____

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this application has been omitted.

Signature of Applicant/Agent: 

Date: 6/5/2013

Please attach a detailed drilling program including the following information:

1. Well design schematic; casing and mud programs; potential water supply; drilling rig to be used and pad layout; blow out prevention equipment diagram and testing program; directional drilling information if applicable; map of location and access roads. Additional information may be required upon review.
2. The required fee per NAC 534A 210 or 534A.212.

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 geothermal injection 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.	
B.	
C.	

PERMIT APPROVAL

Approved 7/3/13 with the conditions noted above.
Date

Permit Number _____



Administrator
Division of Minerals