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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>29-031-90283</u>
County <u>Washoe</u>
Permit Number <u>1355</u>
FOR DIVISION USE ONLY

**GEOHERMAL INJECTION WELL PERMIT APPLICATION**

The applicant

1145 Lakeshore, a Nevada Corporation

Name (or Corporate/Business Name)

of

Street Address 1145 Lakeshore Blvd.

City Incline Village State NV Zip Code 89451

Telephone 775-815-7614

Email bob@bluerockdevelopment.net

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.)

Nevada

Applicant is:  Land Owner  Lease Holder

Well Name: IW #1

Lease Name/No: \_\_\_\_\_ Split Estate?  Yes  No

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

Type and Amount of Bond: Domestic  
(Exempt for Domestic Class)

Bond Issued by: \_\_\_\_\_

Serial No. \_\_\_\_\_

Well Location: SE  $\frac{1}{4}$ , SW  $\frac{1}{4}$ , Section 23

Township 16N, Range 18E, County Washoe

UTM Northing \_\_\_\_\_ N; UTM Easting \_\_\_\_\_ E (NAD83 Datum)

39.233006 -119.933478

Operator's:

Name: Owner

Address: same

City, St Zip: \_\_\_\_\_

Drilling Contractor's:

Name: Bruce MacKay Pump & Well Service, Inc.  
Address: 1600 Mt. Rose Hwy  
City, St Zip: Reno, NV 89511  
Telephone: 775-851-1600

Hole Size: 12 1/2 Casing Size: 8 5/8 Weight/Gauge: .250

Size of BOP:  2000 psi  3000 psi  5000 psi

Rotary Description:

Air/Mud Rotary, T-3 Drilling Rig.

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

One production well and 2 injection wells are planned.

Estimated average daily volume of fluids injected 20,000 gallons.

Maximum daily volume of fluids injected 40,000 gallons.

Estimated maximum injected pressure TBD psi, temperature 70 °F

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

C-900 pipe.

Total Depth to be Drilled: 250'-300' Est.

Drilling will Commence On: 3-3-'14

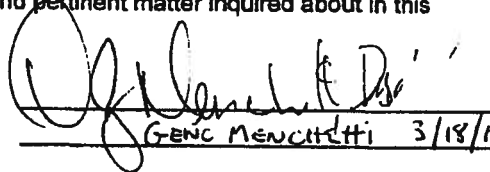
Is this well location under an Underground Injection Permit? Pending

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:

  
GENE MENCITTI 3/18/14

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.	

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**PERMIT APPROVAL**

Approved 4/3/14 with the conditions noted above.  
Date

Permit Number 1355

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