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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>27-031-90289</u>
County	<u>Washoe</u>
Permit Number	<u>1379</u>
FOR DIVISION USE ONLY	

GEOHERMAL INJECTION WELL PERMIT APPLICATION

The applicant
Bob & Rose Maynard Trust

Name (or Corporate/Business Name)

Street Address 3640 Plumas St.
 City Reno State NV Zip Code 89511
 Telephone 661-400-9009
 Email maynardmc@gmail.com

hereby makes application for a geothermal development permit, State of Nevada, Division of Minerals.

Applicant is: Land Owner Lease Holder
 Well Name: IW#2
 Lease Name/No: _____ Split Estate? Yes No
 Land Type: Federal (BLM, USFS, etc.) Private State
 Type and Amount of Bond: _____
 (Exempt for Domestic Class)

Bond Issued by: _____
Serial No. _____

Well Location: NE 1/4, NE 1/4, Section 26,

Township 19N, Range 19E, County Washoe.

UTM Northing 39.48989N; UTM Easting -119.811E (NAD83 Datum)

Operator's:
 Name: Same
 Address: _____
 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: 10 5/8 Casing Size: 6 5/8 Weight/Gauge: .188

Size of BOP: 2000 psi 3000 psi 5000 psi

Rotary Description:

Mud Rotary

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

Geothermal from PW#1

Estimated average daily volume of fluids injected 5,000 gallons.

Maximum daily volume of fluids injected 10,000 gallons.

Estimated maximum injected pressure 15 psi, temperature 130 °F

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

Total Depth to be Drilled: 200'

Drilling will Commence On: TBD

Is this well location under an Underground Injection Permit?

If so, provide NDEP Permit number UNEV TBD

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: R. Bruce MacKay

Print Name: R. Bruce MacKay

Date: 3-26-15

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@minerals.nv.gov
and
Linda lwells@minerals.nv.gov
7. Additional Conditions/Comments

A.	
B.	
C.	

This permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal, and local agencies.

PERMIT APPROVAL

Approved 4/7/2015 with the conditions noted above.
Date

Permit Number 1379



Deputy Administrator
Division of Minerals