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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	27-031-90290
County	Washoe
Permit Number	1380
FOR DIVISION USE ONLY	

### GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name  
Bob & Rose Maynard Trust

Street Address 3640 Plumas St.

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: PW#1  
Lease Name/No: \_\_\_\_\_ Split Estate?  Yes  No  
Land Type:  Federal (BLM, USFS, etc.)  Private  State

Location of Well:

Domestic: Street: 3640 Plumas St.  
City: Reno County: Washoe

Commercial and Industrial:

NE \_\_\_\_\_ ¼ of, NE \_\_\_\_\_ ¼ in Section 26  
Township 19N \_\_\_\_\_, Range 19E \_\_\_\_\_

UTM Northing 39.489724 N; UTM Easting -119.811993 E (NAD83 Datum)

County Washoe

(If applicable, give street address below.)

Street: Same

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

Rotary Rig Description: T-3W

Hole Size: 10 5/8 Casing Size: 6 5/8 Weight/Gauge: .188

Estimated Well Head Temperature: 130

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:

Home heating

Planned Disposal of Spent Geothermal Fluid:

Injection well

Type and Amount of Bond: \_\_\_\_\_

(Exempt for Domestic Class)

Bond Issued by: \_\_\_\_\_ Serial No. \_\_\_\_\_

The Source of the Proposed Geothermal Resource is:

Moana

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

Total Depth to be Drilled: 200'

Drilling will Commence On or Before: TBD

Signature of Applicant/Agent: 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 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@minerals.nv.gov](mailto:lprice@minerals.nv.gov)  
and  
Linda ..... [lwells@minerals.nv.gov](mailto: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.

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**PERMIT APPROVAL**

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

Permit Number 1380

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