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By: \_\_\_\_\_ Date: \_\_\_\_\_

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  
<http://minerals.nv.gov>

Date Received	<b>7/19/2024</b>
API Number	<b>27-009-90110</b>
County	<b>Esmeralda</b>
Permit Number	<b>1606</b>
FOR DIVISION USE ONLY	

**GEOHERMAL INJECTION WELL PERMIT APPLICATION**

The applicant

\_\_\_\_\_  
Name (or Corporate/Business Name)  
Nevada SOS Business ID Number \_\_\_\_\_  
Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Telephone \_\_\_\_\_  
Email \_\_\_\_\_

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

Applicant is:  Land Owner  Lease Holder  
Well Name: \_\_\_\_\_  
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 Number: \_\_\_\_\_

Well Location: \_\_\_\_\_ ¼ of, \_\_\_\_\_ ¼, Section \_\_\_\_\_,  
Township \_\_\_\_\_, Range \_\_\_\_\_, County \_\_\_\_\_.  
UTM Northing \_\_\_\_\_ N; UTM Easting \_\_\_\_\_ E (NAD83 Datum)

Operator's:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, St Zip: \_\_\_\_\_

Drilling Contractor's:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, St Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_

Hole Size: \_\_\_\_\_ Casing Size: \_\_\_\_\_ Weight/Gauge: \_\_\_\_\_

Size of BOP:  2000 psi  3000 psi  5000 psi

Rotary Description:

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

Estimated average daily volume of fluids injected \_\_\_\_\_ gallons.

Maximum daily volume of fluids injected \_\_\_\_\_ gallons.

Estimated maximum injected pressure \_\_\_\_\_ psi, temperature \_\_\_\_\_ °F

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

Total Depth to be Drilled: \_\_\_\_\_

Drilling will Commence On: \_\_\_\_\_

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: Ryan Colley

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

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 : Dustin Holcomb.....[dholcomb@minerals.nv.gov](mailto:dholcomb@minerals.nv.gov)  
and  
Crystal Cruson .....[fluids@minerals.nv.gov](mailto:fluids@minerals.nv.gov)
7. Additional Conditions/Comments

A.	Project Area Permit #1559
B.	Please notify NDOM of the drilling contractor no later than 5 days before spudding the well
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 10/28/2024 with the conditions noted above.  
Date

Permit Number 1606

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Administrator  
Division of Minerals