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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 2/13/2026
API Number 27-001-90578
County Churchill
Permit Number 1738
FOR DIVISION USE ONLY

GEOHERMAL INJECTION WELL PERMIT APPLICATION

The applicant
ORNI 43, LLC
Name (or Corporate/Business Name)
Nevada SOS Business ID Number NV20101211484
Street Address 6884 Sierra Center Parkway
City Reno State NV Zip Code 89511
Telephone (775)356-9029
Email rcolley@ormat.com

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

Applicant is: Land Owner Lease Holder
Well Name: 24A-22
Lease Name/No: NVNV105396629 Split Estate? Yes No
Land Type: Federal (BLM, USFS, etc.) Private State
Type and Amount of Bond: BLM Statewide Bond / \$1,015,312.00
(Exempt for Domestic Class)

Bond Issued by: Travelers Casualty and Surety Company of America
Serial Number: 107521294

Well Location: SW 1/4 of, NW 1/4, Section 22,
Township 21N, Range 38E, County Churchill.

SHL UTM Northing 440170 N; UTM Easting 4391777 E (NAD83 Datum)
BHL UTM Northing 440223 N; UTM Easting 4391681 E (NAD83 Datum)

Operator's:
Name: ORNI 43, LLC
Address: 6884 Sierra Center Parkway
City, St Zip: Reno, NV 89511

Drilling Contractor's:
Name: Ensign Energy
Address: 400 5th Avenue SW, Suite 1000
City, St Zip: Calgary AB T2P 0L6
Telephone: _____

Hole Size: 26" Casing Size: 20" Weight/Gauge: Wall PEBFW

Size of BOP: 2000 psi 3000 psi 5000 psi

Rotary Description:

Ensign Rig TBD. Additional details provided in drilling program

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

Tungsten Mountain geothermal reservoir

Estimated average daily volume of fluids injected 7,800,000 gallons.

Maximum daily volume of fluids injected 8,500,000 gallons.

Estimated maximum injected pressure 80 PSIG psi, temperature 115 °F

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

Total Depth to be Drilled: 4,600'

Drilling will Commence On: 4/1/2026

Is this well location under an Underground Injection Permit?

If so, provide NDEP Permit number UNEV UNEV2017201

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: Ryan Colley

Date: 2/13/2026

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
and
Crystal Cruson fluids@minerals.nv.gov
7. Additional Conditions/Comments

A.	See Conditions of Approval
B.	Project Area Permit #1293
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 4/30/2026 with the conditions noted above.
Date

Permit Number 1738

Administrator
Division of Minerals