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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 7/21/2026
API # 27-013-90193
County Humboldt
Permit Number 1797
FOR DIVISION USE ONLY

GEOTHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name Zanskar Geothermal & Minerals, Inc.
Nevada SOS Business ID Number NV20232846893
Street Address 90 S 400 W Ste 410
City Salt Lake City State UT Zip Code 84101

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.)

On file

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: PKL 17A(73 05) 04
Lease Name/No: Roger & Nancy Johnson Split Estate? ☐ Yes ☒ No
Land Type: ☐ Federal (BLM, USFS, etc.) ☒ Private ☐ State

Location of Well:

Domestic: Street: _____
City: _____ County: _____

Commercial and Industrial:

SW ¼ of, SW ¼ in Section 4,
Township 33N, Range 40E

SHL UTM Northing 4512188 N; UTM Easting 458706.5 E (NAD83 Datum)

BHL UTM Northing 4513025.8 N; UTM Easting 458379.1 E (NAD83 Datum)

County Humboldt

(If applicable, give street address below.)

Street: _____

City: _____

State: _____ Zip: _____

Operator's Name: Zanskar Geothermal & Minerals, Inc.

Address: 90 S 400 W Ste 410

City, St Zip: Salt Lake City, UT 8410

Drilling Contractor's Name: Ensign Energy

Address: 18287 Weld County Road 394

City, St Zip: La Salle, CO 80645

Rotary Rig Description: Modern A/C electric rotary rig

Hole Size: 13.5"/9.875"/6.75 Casing Size: 10.75"/7.625"/4.5" Weight/Gauge: J55

Estimated Well Head Temperature: 130C

Size of BOP: ☐ 2000 psi ☒ 3000 psi ☐ 5000 psi

Planned Use of Geothermal Resource:

commercial power generation

Planned Disposal of Spent Geothermal Fluid:

Drill fluids will be directed into a reserve pit. Spent geothermal fluid will be injected back into the reservoir.

Type and Amount of Bond: 100,000

(Exempt for Domestic Class)

Bond Issued by: RLI Insurance Company

Serial No. ROG0003166

Geothermal Project Area (if applicable) Pumpnickel

The Source of the Proposed Geothermal Resource is:

Pumpnickel Geothermal Resource

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

Total Depth to be drilled: 9000

Drilling will commence on or before: ~~8/21/2026~~

Signature of Applicant/Agent: 

Date: 7/21/2026

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 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 : Dustin Holcomb dholcomb@minerals.nv.gov
and
Crystal Cruson fluids@minerals.nv.gov

7. Additional Conditions/Comments

A.	Project Area Permit 1691
B.	Please submit a checklist for flow testing before testing 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.

PERMIT APPROVAL

Approved 10/12/2026 with the conditions noted above.
Date

Permit Number 1797

Rob Ghiglieri

Digitally signed by Rob
Ghiglieri
Date: 2026.10.12
13:52:30 -07'00'

Administrator
Division of Minerals