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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 4/22/2025
API Number 27-013-90154
County Humboldt
Permit Number 1659
FOR DIVISION USE ONLY

GEOHERMAL INJECTION WELL PERMIT APPLICATION

The applicant

Ormat Nevada Inc

Name (or Corporate/Business Name)

Nevada SOS Business ID Number _____

Street Address 6884 Sierra Center PkwyCity Reno State NV Zip Code 89511Telephone 775-356-9029Email efreese@ormat.com

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

Applicant is: ☐ Land Owner ☒ Lease HolderWell Name: 21A-13Lease Name/No: NVNV105383061 Split Estate? ☐ Yes ☒ NoLand Type: ☒ Federal (BLM, USFS, etc.) ☐ Private ☐ StateType and Amount of Bond: BLM Statewide Bond(Exempt for Domestic Class)Bond Issued by: Travelers Casualty and Surety Company of AmericaSerial Number: 107521294Well Location: NW $\frac{1}{4}$ of, NW $\frac{1}{4}$, Section 13,Township 46N, Range 28E, County Humboldt
~~Washoe~~SHL UTM Northing 4,642,959 N; UTM Easting 357,897 E (NAD83 Datum)BHL UTM Northing 4,642,959 N; UTM Easting 357,897 E (NAD83 Datum)

Operator's:

Name: Ormat Nevada Inc.Address: 6884 Sierra Center PkwyCity, St Zip: Reno, NV 89511

Drilling Contractor's:

Name: Ensign Energy Services Inc.Address: 400 - 5th Avenue SW, Suite 1000City, St Zip: Calgary, AB T2P 0L6Telephone: 888-866-3835

Hole Size: 17.5" Casing Size: 13.375 Weight/Gauge: K-55 68#

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

Rotary Description:

Large geothermal mud rotary rig will be used. Cemented casing will consist of 18.675" to 500ft and 13.375 to 1,000 ft. A 12.25-inch hole drilled to about 2,500 ft and perforated liner installed.

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

Injection well for a Baltazor geothermal power plant

Estimated average daily volume of fluids injected 2,880,000 gallons.

Maximum daily volume of fluids injected 4,320,000 gallons.

Estimated maximum injected pressure 300 psig psi, temperature 140 °F

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

See attached drilling program

Total Depth to be Drilled: 2500'

Drilling will Commence On: September 2025

Is this well location under an Underground Injection Permit?

If so, provide NDEP Permit number UNEV No

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:

Print Name: Erica Freese

Date: 4/22/2025

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.	Project Area Permit #1359
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 6/30/2025 with the conditions noted above.
Date

Permit Number 1659

Garrett Wake

Digitally signed by Garrett Wake
Date: 2025.06.30 11:55:34 -07'00'

Administrator
Division of Minerals