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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 4/22/2025API Number 27-013-90155County HumboldtPermit Number 1660

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: 41-12Lease 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: NE  $\frac{1}{4}$  of, NW  $\frac{1}{4}$ , Section 12,HumboldtTownship 46N, Range 28E, County Washoe.SHL UTM Northing 4,644,537 N; UTM Easting 358,490 E (NAD83 Datum)BHL UTM Northing 4,644,537 N; UTM Easting 358,490 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:**

A 36-in. hole will be drilled to approximately  $\pm 100$  ft, cased (20-in.) and cemented. A 17.5" hole then drilled to approximately 550 ft and 13.375" casing installed and cemented. A 12.25-inch hole drilled to about 3,000 ft.

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

Baltazor geothermal power plant

Estimated average daily volume of fluids injected 1,440,000 gallons.

Maximum daily volume of fluids injected 2,160,000 gallons.

Estimated maximum injected pressure 150 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: 3000'

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 Fresh

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](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 #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.

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### PERMIT APPROVAL

Approved 6/30/2025 with the conditions noted above.  
Date

Permit Number 1660

**Garrett Wake**

Digitally signed by Garrett Wake  
Date: 2025.06.30 11:57:13  
-07'00'

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Administrator  
Division of Minerals