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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 **10/08/2024-DH**

API # **27-027-90117**

County **Pershing**

Permit Number **1629**
 FOR DIVISION USE ONLY

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name Ormat Nevada Inc

Nevada SOS Business ID Number NV19921016142

Street Address 6884 Sierra Center Pkwy

City Reno State NV Zip Code 89511

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.)

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: 34-1

Lease Name/No: NVNV105473336 Split Estate? Yes No

Land Type: Federal (BLM, USFS, etc.) Private State

Location of Well:

Domestic: Street: _____

City: _____ County: _____

Commercial and Industrial:

SE _____ ¼ of, NW _____ ¼ in Section 1

Township 25 North, Range 35 East

UTM Northing 414857.2 N; UTM Easting 4435532.3 E (NAD83 Datum)

County Pershing

(If applicable, give street address below.)

Street: _____

City: _____

State: _____ Zip: _____

Operator's Name: Ormat Nevada Inc
Address: 6140 Plumas Street
City, St Zip: Reno, NV 89519

Drilling Contractor's Name: Major Drilling
Address: 2200 4000 W
City, St Zip: Salt Lake City, UT 84120

Rotary Rig Description: Track mounted LF230 coring rig

Hole Size: 9.875 in. Casing Size: 7 in. Weight/Gauge: 23# BTC K55

Estimated Well Head Temperature: ~230-242 F

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:

The purpose of this proposed drilling program is to evaluate geologic structure and measure temperature gradients related to geothermal resources that may exist at the site.

Planned Disposal of Spent Geothermal Fluid:

Containment basin

Type and Amount of Bond: Statewide Surety Bond \$1,015,312.00
(Exempt for Domestic Class)

Bond Issued by: Travelers Casualty and Surety Company of America Serial No. 107521294
Geothermal Project Area (if applicable) New York Canyon

The Source of the Proposed Geothermal Resource is:

New York Canyon Prospect

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

Total Depth to be drilled: 4,000 ft.

Drilling will commence on or before: Q4 2024-Q1 2025

Signature of Applicant/Agent: **Shelby Williams** Digitally signed by Shelby Williams
Date: 10/08/2024 Date: 2024.10.08 11:21:00 -07'00'

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 Crusonfluids@minerals.nv.gov

7. Additional Conditions/Comments

A.	Project Area Permit#1492
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 11/26/2024 with the conditions noted above.
Date

Permit Number 1629

Administrator
Division of Minerals