

MAR 14 2024

Date Received **DIVISION OF MINERALS**
 API Number 27-013-90151
 County Humboldt
 Permit Number 1574
FOR DIVISION USE ONLY

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 Entered in Database
 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>

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name Ormat Nevada, Inc.
 Street Address 6140 Plumas Street
 City Reno State NV Zip Code 89519

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: 92(83)-27
 Lease Name/No: NVN-98646 Split Estate? Yes No
 Land Type: Federal (BLM, USFS, etc.) Private State

Location of Well:
 Domestic: Street: _____
 City: _____ County: _____

Commercial and Industrial:
 NW _____ ¼ of, NW _____ ¼ in Section 27,
 Township 45 North, Range 27 East

UTM Northing 4629881 N; UTM Easting 345221 E (NAD83 Datum)

County Humboldt

(If applicable, give street address below.)

Street: West of Knott Creek Road
 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 4000W

City, St Zip: Salt Lake City, UT 84120

Rotary Rig Description: Wireline coring rig

Hole Size: 6.125 Casing Size: 4.5-inch Weight/Gauge: 12.6# HWT

Estimated Well Head Temperature: 200 F

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:

Evaluate geologic structure and measure temperature gradients.

Planned Disposal of Spent Geothermal Fluid:

Sumplless drilling and all drilling mud and cuttings will be contained in portable mud tanks.

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 No. 107521294

The Source of the Proposed Geothermal Resource is:

McGee Prospect

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

Total Depth to be drilled: 3,000 feet

Drilling will commence on or before: Quarter 3 2024 (estimate August 2024); Pending BLM approval

Signature of Applicant/Agent: _____

Date: 3/14/24

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.	
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 3/26/2024 with the conditions noted above.
Date

Permit Number 1574



Administrator
Division of Minerals