

Operator's Name: Ormat Nevada, Inc.
Address: 6884 Sierra Center Parkway
City, St Zip: Reno, NV 89511

Drilling Contractor's Name: Major Drilling America, Inc.
Address: 2200 South 4000 West
City, St Zip: Salt Lake City, UT 84120

Rotary Rig Description: RC Rig

Hole Size: 5.875" Casing Size: 4.5" Weight/Gauge: 11.6# L80 IM45

Estimated Well Head Temperature: 100F

Size of BOP: ☒ ^{1000-see program} ~~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: BLM Bond - \$1,015,312
(Exempt for Domestic Class)

Bond Issued by: Travelers Casualty and Surety Company of America Serial No. 107521294

Geothermal Project Area (if applicable) Harmony Project Area Permit #1637

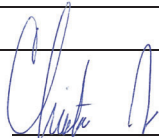
The Source of the Proposed Geothermal Resource is:

Harmony prospect

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

Total Depth to be drilled: 500' for TG well, could sundry at later time for core well

Drilling will commence on or before: 7/14/2025

Signature of Applicant/Agent: 

Date: 5/5/2025

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 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 #1637
B.	Casing to 1500 ft
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 9-5-2025 with the conditions noted above.
Date

Permit Number 1658

Rob Ghiglieri
Digitally signed by Rob Ghiglieri
Date: 2025.09.05 09:35:53 -07'00'

Administrator
Division of Minerals