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**RECEIVED**  
**SEP 14 2023**

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 9/14/2023  
API Number \_\_\_\_\_  
County LANDER  
Project Area  
Permit Number 1563  
FOR DIVISION USE ONLY

**DIVISION OF MINERALS GEOTHERMAL PROJECT AREA PERMIT APPLICATION**

Name or Corporate/Business Name Ormat Nevada, Inc.  
Street Address 6140 Plumas St.  
City Reno State NV Zip Code 89519  
Telephone (775) 356-9029

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.)

[Empty box for incorporation/partnership details]

This application is for (number):  
         production wells  
         injection wells  
15 observation wells  
         temperature gradient wells

Estimated total depth of each production well: \_\_\_\_\_  
Estimated total depth of each injection well: \_\_\_\_\_  
Estimated total depth of each observation well: 4000 ft.  
Estimated total depth of each temperature gradient well: \_\_\_\_\_

**Purpose of Wells:**

The purpose of the well is to conduct geophysical tests and determine if the area is viable for future geothermal power production.

Project Area or Unit Name: Whirlwind Prospect

Description of Project Area by Section, Township, and Range (a map of the project area must be included with the application):

Township (T) 31 North (N) Range (R) 47 East (E) Sections 23, 25, 26, 27, 34, and 35;  
T30N R47E Section 4

Applicant is:  Land Owner  Lease Holder  
Lease Name: NVNV105383828 Split Estate?  Yes  No  
Land Owner Name: Ormat Nevada, Inc. Nevada Gold Mines, Nevada Real Estate Equities  
Geothermal Resource Owner Name: Ormat Nevada, Inc.

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  
 Telephone: (801) 974-0645

Drilling Program - attach sample drilling program(s) which must include rotary rig description, and if applicable, information on the casing program and equipment for the prevention of a blowout.

Planned Use of Geothermal Resource:

Geothermal electrical energy production.

Planned Disposal of Spent Geothermal Fluid:

A drill sump will be constructed to collect cuttings, contain, and recycle the drilling fluids. Spent geothermal fluid will be injected back into reservoir.

Bond Type:  
 Bond Amount:  
 Bond Number:  
 Issued by Name (bank, surety, etc.):

BLM Bond
\$1,015,312
107521294
Travelers Casualty and Surety Company of America

State Bond
\$100,000
107898340
Travelers Casualty and Surety Company of America

Issued by CD Number or Account Number:

The source of the Proposed Geothermal Resource is: Whirlwind Geothermal Resource  
 (List name of hot spring, geologic formation(s) or other source.)

Drilling will begin on or before: November 1, 2023

Signature of Applicant/Agent: *Shelby Williams*  
 Printed Name of Applicant/Agent: Shelby Williams  
 Date: 09/14/2023

\*\*\*\*\* Please enclose the \$500.00 fee along with this application \*\*\*\*\*  
 \*\*\*\*\* Fee is waived if application includes Temperature Gradient Wells ONLY \*\*\*\*\*

**PERMIT APPROVAL**

Approved 10/18/2023 with the conditions attached and made a part of the permit.  
 Date

Project Area Permit Number 1563

*[Signature]*  
 Administrator  
 Division of Minerals