

**RECEIVED**

By *Dustin Holcomb* at 1:06 pm, Jun 26, 2024

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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 \_\_\_\_\_

API # 27-001-90548

County Churchill

Permit Number 1600  
 FOR DIVISION USE ONLY

**GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**

Name or Corporate/Business Name Forty Mile Desert Resources LLC

Nevada SOS Business ID Number E22821552022-1

Street Address 910 Louisiana Street, Suite 4400

City Houston State TX Zip Code 77002

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.)

A Delaware Limited Liability Company, as of March 28, 2022

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: OB3-33

Lease Name/No: NV-Corsac-NNR1 Split Estate?  Yes  No

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

Location of Well:

Domestic: Street: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

Commercial and Industrial:

NW 1/4 of, NW 1/4 in Section 33,

Township 22N, Range 27E,

UTM Northing 331642 N; UTM Easting 4400234 E (NAD83 Datum)

County Churchill

(If applicable, give street address below.)

Street: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Operator's Name: Forty Mile Desert Resources LLC  
Address: 910 Louisiana Street, Suite 4400  
City, St Zip: Houston, TX 77002

Drilling Contractor's Name: TBD  
Address: \_\_\_\_\_  
City, St Zip: \_\_\_\_\_

Rotary Rig Description: Conventional Rotary Rig

Hole Size: See attachment Casing Size: See attachment Weight/Gauge: See attachment

Estimated Well Head Temperature: 300F

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:

Observing potential for generation of commercial electricity.

Planned Disposal of Spent Geothermal Fluid:

No anticipated geothermal fluid production

Type and Amount of Bond: Single Commercial Geothermal Observation Well, \$100,000  
(Exempt for Domestic Class)

Bond Issued by: Arch Insurance Serial No. SU1178126

Geothermal Project Area (if applicable) Corsac

The Source of the Proposed Geothermal Resource is:

Geothermal resource in metasediments and intrusives of the Hot Springs Mountains and Forty Mile Desert.

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

Total Depth to be drilled: 8,000'

Drilling will commence on or before: July 1, 2025

Signature of Applicant/Agent:   
Charles Brandon Law (Jun 26, 2024 12:20 MDT)

Date: 06/26/24

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](mailto:dholcomb@minerals.nv.gov)  
and  
Crystal Cruson.....[fluids@minerals.nv.gov](mailto:fluids@minerals.nv.gov)

**7. Additional Conditions/Comments**

<b>A.</b>	Project Area: 1543
<b>B.</b>	Sump should be fenced on 3 sides
<b>C.</b>	Notify NDOM of drilling contractor before drilling operations begin

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 10/10/2024 with the conditions noted above.  
Date

Permit Number 1600

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Administrator  
Division of Minerals