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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	2/7/2025
API Number	27-001-90559
County	Churchill
Permit Number	1687
FOR DIVISION USE ONLY	

GEOHERMAL INJECTION WELL PERMIT APPLICATION

The applicant

Forty Mile Desert Resources, LLC

Name (or Corporate/Business Name)

Nevada SOS Business ID Number E22821552022-1Street Address 910 Louisiana Street, Suite 4400City Houston State TX Zip Code 77002Telephone 281-716-2942Email mattea.smith@fervoenergy.com

hereby makes application for a geothermal development permit, State of Nevada, Division of Minerals.

Applicant is: ☐ Land Owner ☒ Lease HolderWell Name: Marigold 1-IALease Name/No: Corsac-NNR1 Split Estate? ☐ Yes ☒ NoLand Type: ☐ Federal (BLM, USFS, etc.) ☒ Private ☐ StateType and Amount of Bond: ~~Single Commercial Geothermal Observation Well - \$100,000~~(Exempt for Domestic Class) State Project Area BondBond Issued by: Arch InsuranceSerial Number: SU1178126Well Location: SE ¼ of, NE ¼, Section 33,Township 22N, Range 27E, County Churchill.UTM Northing 333070.1317 N; UTM Easting 4399889.724 E (NAD83 Datum)

Operator's:

Name: Forty Mile Desert Resources, LLCAddress: 910 Louisiana Street, Suite 4400City, St Zip: Houston, TX 77002

Drilling Contractor's:

Name: TBD

Address: _____

City, St Zip: _____

Telephone: _____

Hole Size: See Attachment Casing Size: See Attachment Weight/Gauge: See Attachment
26/17.5" **20/13.375"** **129.4/54.5# K-55**

Size of BOP: ☒ 2000 psi ☐ 3000 psi ☐ 5000 psi

Rotary Description:

Conventional Rotary Rig

Identify or locate the sources of the fluids which will be injected:

The injection fluid source will be two water wells which are outlined in the attached Form 4026 waivers.

Estimated average daily volume of fluids injected TBD gallons.

Maximum daily volume of fluids injected TBD gallons.

Estimated maximum injected pressure TBD psi, temperature TBD °F

List proposed metering equipment, pipelines and safety devices that will be used to prevent accidental pollution:

Pollution prevention measures include exterior pad berms, SWPP plans and routine inspections, dust control and suppression efforts, erosional BMP installation, and BOP testing.

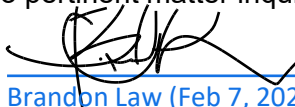
Total Depth to be Drilled: 10,500 TVD; 15,500 MD

Drilling will Commence On: 5/1/2025

Is this well location under an Underground Injection Permit?

If so, provide NDEP Permit number UNEV _____

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this application has been omitted.

Signature of Applicant/Agent:  Brandon Law (Feb 7, 2025 10:54 MST)

Print Name: C. Brandon Law

Date: 02/07/2025

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.	See the attached Conditions of Approval
B.	Notify the Division of Minerals of the drilling contractor at least 5 days prior to spudding the well.
C.	Project Area #1543 Corsac

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 10/21/2025 with the conditions noted above.
Date

Permit Number 1687

Administrator
Division of Minerals