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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 6/23/2026API # 27-009-90132County EsmeraldaPermit Number 1752

FOR DIVISION USE ONLY

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATIONName or Corporate/Business Name Ignis H2 EnergyNevada SOS Business ID Number E58246762026-9Street Address 10402 Valley Forge DriveCity Houston State TX Zip Code 77042

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.)

State: TexasDate of incorporation: 2021This application is for a ☐ Domestic well ☐ Commercial well ☐ Industrial wellOther, specify: ☐ Observation well ☒ Thermal Gradient well ☐ Re-entry**Note:** Re-entry includes workover, deepening, or plugging back operations.Applicant is: ☐ Land Owner ☒ Lease HolderWell Name: 16-21Lease Name/No: NVNV105517568 Split Estate? ☐ Yes ☒ NoLand Type: ☒ Federal (BLM, USFS, etc.) ☐ Private ☐ StateLocation of Well:Domestic: Street: _____
City: _____ County: Esmeralda

Commercial and Industrial:

_____ 1/4 of, _____ 1/4 in Section _____,
Township _____, Range _____,

SHL UTM Northing	<u>4197523.845</u>	<u>N</u> ;	UTM Easting	<u>442386.0313</u>	<u>E</u> (NAD83 Datum)
BHL UTM Northing	<u>4197523.845</u>	<u>N</u> ;	UTM Easting	<u>442386.0313</u>	<u>E</u> (NAD83 Datum)

County Esmeralda

(If applicable, give street address below.)

Street: _____

City: _____

State: _____ Zip: _____

Operator's Name: Ignis H2 Energy
Address: 10402 Valley Forge Drive
City, St Zip: Houston, TX 77042

Drilling Contractor's Name: Double R Water Well Services, LLC
Address: 4910 Joule Street
City, St Zip: Reno, NV 89502

Rotary Rig Description: TBD

Hole Size: 12.25; 8.5; & 6.125 inches Casing Size: 9.625; 7; & 2.875 inch Weight/Gauge: TBD

Estimated Well Head Temperature: 150-230 C

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

Planned Use of Geothermal Resource:

The temperature gradient wells would be for evaluating and testing geothermal potential at this time.

Planned Disposal of Spent Geothermal Fluid:

~~Disposed into Reserve Pit for evaporation for short term flow testing. If long term testing occurs, the preferred disposal method is re injection into the geothermal reservoir.~~

Type and Amount of Bond: Surety Bond--\$10,000
(Exempt for Domestic Class)

Bond Issued by: Frankenmuth Insurance Company Serial No. FIC0002343

Geothermal Project Area (if applicable) 1750

The Source of the Proposed Geothermal Resource is:

Middle to upper Miocene Silver Peak-Lone Mountain metamorphic core complex of the Walker Lane structural belt

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

Total Depth to be drilled: 1,500 ft bgs

Drilling will commence on or before: ~~July 1, 2026~~

Signature of Applicant/Agent: 

Date: 15 June 2026

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 Conditions of Approval
B.	Project Area #1750
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 7/17/2026 with the conditions noted above.
Date

Permit Number 1752

Administrator
Division of Minerals