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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 7/23/2025API # 27-027-90138County PershingPermit Number 1675

FOR DIVISION USE ONLY

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATIONName or Corporate/Business Name TLS Geothermics, CorpNevada SOS Business ID Number NV20232966822Street Address 86 Waxwing CourtCity East Amherst State NY Zip Code 14051

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.)

Delaware
11/30/2023This 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: 42-16Lease Name/No: NVNV105773143 Split Estate? ☐ Yes ☒ NoLand Type: ☒ Federal (BLM, USFS, etc.) ☐ Private ☐ StateLocation of Well:Domestic: Street: _____
City: _____ County: Pershing

Commercial and Industrial:

NE 1/4 of, NW 1/4 in Section 16,
Township 30N, Range 41E,SHL UTM Northing 4480814.809 N; UTM Easting 468421.889 E (NAD83 Datum)
BHL UTM Northing 4480814.809 N; UTM Easting 468421.889 E (NAD83 Datum)County Pershing

(If applicable, give street address below.)

Street: _____

City: _____

State: _____ Zip: _____

Operator's Name: TLS Geothermics
Address: 86 Waxwing Court
City, St Zip: East Amherst, NY 14051

Drilling Contractor's Name: Capuano Engineering Company **Ensign United States Drilling**
Address: 2777 Yulupa Avenue No. 604 **7001 Charity Avenue**
City, St Zip: Santa Rosa, CA 95405 **Bakersfield, CA 93308**

Rotary Rig Description: TBD

Hole Size: 6.25 inch Casing Size: 3-3/8; 9-5/8; 7 inch Weight/Gauge: 4.5ppf; 36 ppf; 23 ppf

Estimated Well Head Temperature: 300 °F

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

Planned Use of Geothermal Resource:

Testing only - application is for initial slim hole.

Planned Disposal of Spent Geothermal Fluid:

Disposed into Reserve Pit for evaporation or re-injection back into the well.

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

Bond Issued by: **BLM - Personal Bond** Serial No. **NVB106745373**
Geothermal Project Area (if applicable) _____

The Source of the Proposed Geothermal Resource is:

magmatic intrusions in the Buffalo Valley based on seismic and geophysical studies

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

Total Depth to be drilled: 5,000 feet

Drilling will commence on or before: October 15, 2025

Signature of Applicant/Agent: 

Date: July 15, 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 Conditions of Approval
B.	
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 9/12/2025 with the conditions noted above.
Date

Permit Number 1675

Rob
Ghiglieri

Administrator
Division of Minerals

Digitally signed by Rob
Ghiglieri
Date: 2025.09.12
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