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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 7/23/2025

County Pershing

Project Area
Permit Number 1676
FOR DIVISION USE ONLY

GEOTHERMAL PROJECT AREA PERMIT APPLICATION

Name or Corporate/Business Name TLS Geothermics

Street Address 86 Waxwing Court

City East New Amherst State NY Zip Code 14051

Telephone _____

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
11/30/2023

This application is for (number):	_____ production wells	Estimated total depth of each production well: _____
	_____ injection wells	Estimated total depth of each injection well: _____
	<u>7</u> observation wells	Estimated total depth of each observation well: <u>5000 - 7000 feet</u>
	_____ temperature gradient wells	Estimated total depth of each temperature gradient well: _____

Purpose of Wells:

To confirm the geothermal resource and test the parameters of the resource. The program includes up to 7 wells, which would likely be split between 2 slim holes and 5 production-sized wells but for testing.

Project Area or Unit Name: Buffalo Valley

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

T. 30 N., R. 41 E., Sec 16 of the Mount Diablo Base and Meridian

Applicant is: ☐ Land Owner ☒ Lease Holder

Lease Name: NVNV105773143 NVNV105773142 Split Estate? ☐ Yes ☒ No

Land Owner Name: Bureau of Land Management

Geothermal Resource Owner Name: Bureau of Land Management

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

Drilling Contractor's Name: Capuano Engineering Corp **Ensign United States Drilling**
 Address: 2777 Yulupa Avenue No. 604 **7001 Charity Avenue**
 City, St Zip: Santa Rosa, CA 95405 **Bakersfield, CA 93308**
 Telephone: 707-484-6831

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:

The geothermal confirmation wells would be for testing purposes only at this phase.

Planned Disposal of Spent Geothermal Fluid:

Disposed into Reserve Pit for evaporation for short-term flow testing. Once two wells are drilled, re-injection for longer-term testing would be conducted.

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

BLM Bond
\$20,000.00
NVB106745366,
NVB106745373

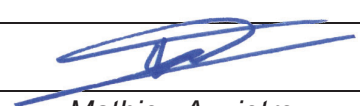
State Bond

Issued by CD Number or Account
 Number:

Personal Bond

The source of the Proposed Geothermal Resource is: Magmatic intrusions suspected in lithology under Buffalo Valley
 (List name of hot spring, geologic formation(s) or other source.)

Drilling will begin on or before: October 15, 2025

Signature of Applicant/Agent: 
 Printed Name of Applicant/Agent: Mathieu Auxietre
 Date: 7/15/2025

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

PERMIT APPROVAL

Approved 9/12/2025 with the conditions attached and made a part of the permit.
 Date

Project Area Permit Number 1676

Rob Ghiglieri
 Digitally signed by
 Rob Ghiglieri
 Date: 2025.09.12
 14:24:54 -07'00'

Administrator
 Division of Minerals