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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 **8/12/2026**County **Humboldt**Project Area
Permit Number **1778**
FOR DIVISION USE ONLY**GEOHERMAL PROJECT AREA PERMIT APPLICATION**

Name or Corporate/Business Name James Faulds, Nevada Bureau of Mines and Geology
Street Address Nevada Bureau of Mines and Geology, Mail Stop 178 University of Nevada
City Reno State NV Zip Code 89557
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.)

The applicant is drilling these exploration wells on unleased BLM land. The well has also been submitted under a BLM Exploration NOI with the Winnemucca district. These holes are being drilled as a part of the Department of Energy grant DE-EE009254-the INGENIOUS project. RESPEC is the drilling engineer and drilling services oversight for the project.

This application is for (number):	_____ production wells	Estimated total depth of each production well:	_____
	_____ injection wells	Estimated total depth of each injection well:	_____
	_____ observation wells	Estimated total depth of each observation well:	_____
	13 X _____ temperature gradient wells	Estimated total depth of each temperature gradient well:	<u>800'</u>

Purpose of Wells:

Temperature gradient hole drilling to approximately 800 ft at multiple wellhead locations. Temperature gradient wells are for geothermal research and are funded by the U.S. Department of Energy Award Number: DE-EE0009254 - INGENIOUS project.

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):

Pershing County, NV (Township, Range, and Section locations of boreholes listed below; also see attached tables and maps) Township 28N, Range 40E, Sections 11, 15, 16, 22, 26
Township 29N, Range 40E, Sections 21, 22, 33

Applicant is: ☐ Land Owner ☐ Lease Holder
Lease Name: Buffalo Valley Split Estate? ☐ Yes ☒ No
Land Owner Name: BLM
Geothermal Resource Owner Name: n/a lands are currently not under lease

Operator's Name: RESPEC attn: Mary Mann, POC/Ernesto Rivas, Drilling Engineer
Address: 41865 Boardwalk Suite 109
City, St Zip: Palm Desert CA 92260
Drilling Contractor's Name: Envirotech Drilling LLC Attn: Brian Mikelson
Address: 900 East 4th Street
City, St Zip: Winnemucca, NV 89445
Telephone:

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:

Temperature gradient holes only.

Planned Disposal of Spent Geothermal Fluid:

Not applicable.

Bond Type:

Bond Amount:

Bond Number:

Issued by Name (bank, surety, etc.):

Issued by CD Number or Account
Number:

BLM Bond

n/a State Agency

State Bond

n/a State Agency

Waived

The source of the Proposed Geothermal Resource is: Resource is not intended to be encountered in these TGH wells
(List name of hot spring, geologic formation(s) or other source.)

Drilling will begin on or before: ~~August 24, 2026~~ pending approval of BLM NOI

Signature of Applicant/Agent:

Printed Name of Applicant/Agent:

Date:

DocuSigned by:

James E. Faulds

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James E. Faulds

03-Aug-2026 | 5:34 PM PDT

***** Please enclose the \$500.00 fee along with this application*****

***** Fee is waived if application includes Temperature Gradient Wells ONLY *****

PERMIT APPROVAL

Approved 9/1/2026 with the conditions attached and made a part of the permit.
Date

Project Area Permit Number 1778

Administrator
Division of Minerals