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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 5/5/2025 27-027-90136 API # 27-027-90135
County Pershing
Permit Number1658 FOR DIVISION USE ONLY

GEOTHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Co	rporate	/Business	Name O	mat Nevada, I	Inc.		
Nevada SOS				/19921016142			
Street Addre	ess <u>68</u>	384 Sierra C	enter Parl	way			
City		eno			State N	•	de <u>89511</u>
hereby makes	s applic	ation for a	geothern	nal developm	ent permit, State	e of Nevada, Div	ision of Minerals.
(If applicant is	a corp	oration, sh	ow state	and date of i	ncorporation; if	a partnership, lis	t names of partners.)
This application	on is fo	ra 🛭	Domes	ic well	Comm	ercial well	☐ Industrial well
Othe	r, speci	fy:	Observ	ation well	■ Therm	al Gradient well	Re-entry
Note: Re-en	try inclu	ides worko	ver, deep	ening, or plu	gging back ope	rations.	
Applicant is:	_	and Owne Name:	r 🔳 L	ease Holder -11			
	Leas	se Name/N	o: Harmo	ony / NVNV106	6320623	Split E	Estate?
	Land	d Type:	● F	ederal (BLM,	USFS, etc.)	Private	☐ State
Location of W	/ell:						
Domestic:	Street:						
	City:					County:	
Commercial ar		strial:		⅓ of. SE	= 1/in	Section 11	
	- wnship	29 N	lorth	¹¼ of, <u>SE</u>	¼ in , Range	Section 11 36 East	,
_	•		4471873	NI.			, (NIA DOO Determ)
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	ounty	Pershing		IN,	OTIVI Lasting		L (NADOS Datum)
	-		treet add	ress below.)			
•	reet:	bic, give s	ti cot addi	C33 DCIOW.)			
	ty:						
	ate:					Zip:	

Address: 6884 Sierra Center Parkway City, St Zip: Reno, NV 89511				
City, St Zip: Reno, NV 89511				
7, 1				
Drilling Contractor's Name: Major Drilling America, Inc.				
Address: 2200 South 4000 West				
City, St Zip: Salt Lake City, UT 84120				
Rotary Rig Description: RC Rig				
Hole Size: 5.875" Casing Size: 4.5" Weight/Gauge: 11.6# L80 IM45				
Estimated Well Head Temperature: 100F				
Size of BOP: □ 2000 psi □ 3000 psi □ 5000 psi				
Planned Use of Geothermal Resource:				
The purpose of this proposed drilling program is to evaluate geologic structure and measure temperature gradients related to geothermal resources that may exist at the site.				
Planned Disposal of Spent Geothermal Fluid:				
Containment basin				
Type and Amount of Bond: BLM Bond - \$1,015,312				
(Exempt for Domestic Class)				
Bond Issued by: Travelers Casualty and Surety Company of America Serial No. 107521294				
Geothermal Project Area (if applicable) Harmony Project Area Permit #1637				
The Source of the Proposed Geothermal Resource is:				
Harmony prospect				
(List name of hot spring, geologic formation(s) or other source.)				
Total Depth to be drilled: 500' for TG well, could sundry at later time for core well				
Drilling will commence on or before: 7/14/2025				
Signature of Applicant/Agent:				
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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.	Project Area #1637
B.	Casing to 1500 ft
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 9-5-2025	with the conditions noted above.
Date	
Permit Number1658	Rob Ghiglieri Digitally signed by Rob Rob Ghiglieri Date: 2025.09.05 09:35:53
	-07'00'
	Administrator
	Division of Minerals