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DIVISION OF MINERALS

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 _____
API Number 27-031-90251
County WASHOE
Permit Number 1455
FOR DIVISION USE ONLY

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name
Moonrocks Gateway, LLC

Street Address 405 Marsh Avenue, Suite 206
City Reno State NV Zip Code 89506

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.)

Georgia, USA
Nevada Corp # E0017322018-1

This application is for a Domestic well Commercial well Industrial well
Other, specify: Observation well Thermal Gradient well Re-entry

Note: Re-entry includes workover, deepening, or plugging back operations.

Applicant is: Land Owner Lease Holder
Well Name: Marshall 1
Lease Name/No: Marshall Ranch Split Estate? Yes No
Land Type: Federal (BLM, USFS, etc.) Private State

Location of Well:
Domestic: Street: _____
City: _____ County: _____

Commercial and Industrial:
NW 1/4 of, NE 1/4 in Section 22,
Township 23N, Range 20E,

UTM Northing 4414961 N; UTM Easting 267058 E (NAD83 Datum)

County Washoe

(If applicable, give street address below.)

Street: Winnemucca Ranch Road
City: Reno
State: NV Zip: 89510

Operator's Name: Moonrocks Gateway, LLC
Address: 405 Marsh Avenue, Suite 206
City, St Zip: Reno, NV 89506

Drilling Contractor's Name: N/A, re-permitting existing well
Address: _____
City, St Zip: _____

Rotary Rig Description: N/A, re-permitting existing well

Hole Size: 8 3/4" Casing Size: 7" Weight/Gauge: J-55 20 PPF

Estimated Well Head Temperature: 155* F

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:

Observation well with future potential as commercial / space heating well.

Planned Disposal of Spent Geothermal Fluid:

N/A. If resource is developed in future, a UIC compliant disposal well would be permitted separately and drilled to suit the project.

Type and Amount of Bond: \$25,000 Cash Bond
(Exempt for Domestic Class)

Bond Issued by: _____ Serial No. _____

The Source of the Proposed Geothermal Resource is:

Known hot water well on Marshall Ranch / Warm Springs Geothermal Prospect

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

Total Depth to be Drilled: 3403' TD

Drilling will Commence On or Before: Drilling completed 1/10/2008

Signature of Applicant/Agent: *Lat*
Date: 2/2/18

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 : Lowell Price.....lprice@minerals.nv.gov
and
Linda Wells.....lwells@minerals.nv.gov
7. Additional Conditions/Comments

A.	
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 Feb. 9, 2018 with the conditions noted above.
Date

Permit Number 1455



Administrator
Division of Minerals