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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

Date Received	
API Number	27-001-90438
County	Churchill
Permit Number	1168
FOR DIVISION USE ONLY	

**GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**

Name or Corporate/Business Name

Magma Energy (U.S.) Corp.

Street Address 5355 Kietzke Lane, Suite 100

City Reno State NV Zip Code 89511

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.)

Magma Energy (U.S.) Corp. is a Nevada Corporation, incorporated on February 26, 2008.

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: Soda Lake 62A-28

Lease Name/No: NVN-11737

Land Type:  Federal (BLM, USFS, etc.)  Private  State

Location of Well:

Domestic: Street: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

Commercial and Industrial: NW  $\frac{1}{4}$  of, NE  $\frac{1}{4}$  in Section 28  
Township 20N, Range 28E

UTM Datum Used:	<input type="checkbox"/> NAD83 Datum	<input type="checkbox"/> NAD27 Datum
UTM Northing	N;	UTM Easting E

County Churchill

(If applicable, give street address below.)

Street: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Operator's Name: Magma Energy (U.S.) Corp./Amor IX, LLC  
Address: 5355 Kietzke Lane, Suite 100  
City, St Zip: Reno, NV 89511

Drilling Contractor's Name: To be determined  
Address: \_\_\_\_\_  
City, St Zip: \_\_\_\_\_

Rotary Rig Description: Double or triple rig - see drilling program

Hole Size: \_\_\_\_\_ Casing Size: \_\_\_\_\_ Weight/Gauge: \_\_\_\_\_

Estimated Well Head Temperature: \_\_\_\_\_

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:  
Production to a power plant

Planned Disposal of Spent Geothermal Fluid:  
Injection into injection wells

Type and Amount of Bond: \$50,000 Statewide  
(Exempt for Domestic Class)

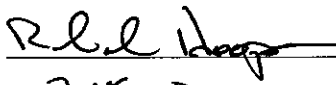
Bond Issued by: Wells Fargo Bank Serial No. COID 00825

The Source of the Proposed Geothermal Resource is:  
Soda Lake Reservoir

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

Total Depth to be Drilled: 6000'

Drilling will Commence On or Before: 11/01/2010

Signature of Applicant/Agent:   
Date: 7.15.10

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. Additional Conditions

- A. See attached COA.
- B. Under Project Area Permit 911
- C. \_\_\_\_\_

**PERMIT APPROVAL**

Approved 9/13/10 with the conditions noted above.  
Date

Permit Number 1168

Alan R. Loggins  
Administrator  
Division of Minerals