

RECEIVED

MAR 04 2013

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 27-001-90503
County Churchill
Permit Number 1330
FOR DIVISION USE ONLY

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name

Patua Project LLC

Street Address 9670 Gateway Drive

City Reno State NV Zip Code 89521

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.)

State of Colorado, July 31, 1991

This application is for a [ ] Domestic well [ ] Commercial well [X] 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 [X] Lease Holder

Well Name: Patua 21A-28

Lease Name/No: Federal NV-85705 (APN# 009-251-29)

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

Location of Well:

Domestic: Street:

City: County:

Commercial and Industrial: NW 1/4 of, NW 1/4 in Section 28

Township 20N, Range 26E

UTM Datum Used: [X] NAD83 Datum [ ] NAD27 Datum
UTM Northing 4382729. N; UTM Easting 321488 E

County Churchill

(If applicable, give street address below.)

Street:

City:

State: Zip:

Operator's Name: Patua Project LLC  
Address: 9670 Gateway Drive  
City, St Zip: Reno, NV 89521

Drilling Contractor's Name: Rocket Drillco  
Address: 270 S Maine (Suite 7)  
City, St Zip: Fallon, NV 89406

Rotary Rig Description: Drillmaster

Hole Size: 12 1/4" Casing Size: 9 5/8" Weight/Gauge: 40#/ft

Estimated Well Head Temperature: 350 degrees F

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:

Development of geothermal power generation project for commercial sale of electricity

Planned Disposal of Spent Geothermal Fluid:

Store in drilling sump and inject back into formation

Type and Amount of Bond: Cash deposit in the sum of \$50,000.00  
(Exempt for Domestic Class)

Bond Issued by: BLM Serial No. NVB000655

The Source of the Proposed Geothermal Resource is:

Fractured Granitic Formations

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

Total Depth to be Drilled: 10,474'

Drilling will Commence On or Before: 30 March 2013

Signature of Applicant/Agent: 

Date: 28 February 28, 2013

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. Send daily drilling reports to  
James Price @ 1price@govmail.state.nv.us  
B. and Freda @ 1wells@govmail.state.nv.us

B. Under Project Area Permit 865.

**PERMIT APPROVAL**

Approved 3/8/13 with the conditions noted above.  
Date

Permit Number 1330

Alan R. [Signature]  
Administrator  
Division of Minerals