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MAY 23 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	27-031-90280
County	Washoe
Permit Number	1338
FOR DIVISION USE ONLY	

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name

Board of Regents, NSHE, obo University of Nevada, Reno

Street Address 1664 N Virginia St/MS 178

City Reno State NV Zip Code 89557-0088

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.)

Not a corporation or land or lease holder. Non-profit with federal funds to drill test gradient well.

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: Reno Airport TG-1

Lease Name/No: NA Split Estate? Yes No

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

Location of Well:

Domestic: Street: _____

City: _____ County: _____

Commercial and Industrial:

SW _____ ¼ of, SE _____ ¼ in Section 19 _____,

Township 19N _____, Range 20E _____,

UTM Northing 4375167 N; UTM Easting 261149 E (NAD83 Datum)

County Washoe

(If applicable, give street address below.)

Street: Reno International Airport

City: Reno

State: NV Zip: 89502

Operator's Name: Board of Regents, NSHE, obo University of Nevada, Reno

Address: 1664 N Virginia St

City, St Zip: Reno, NV 89557

Drilling Contractor's Name: Welsco

Address: PO Box 888

City, St Zip: Fallon, NV 89407

Rotary Rig Description: Schramm TDX

Hole Size: 8.75" Casing Size: 7 Weight/Gauge: _____

Estimated Well Head Temperature: <150F

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:

Temperature gradient well for exploration

Planned Disposal of Spent Geothermal Fluid:

None produced

Type and Amount of Bond: _____

(Exempt for Domestic Class)

Bond Issued by: _____ Serial No. _____

The Source of the Proposed Geothermal Resource is:

possible outflow from Moana geothermal area

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

Total Depth to be Drilled: 1000'

Drilling will Commence On or Before: May 31, 2013

Signature of Applicant/Agent: _____

Date: 5/16/2013

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@govmail.state.nv.us
and
Lindalwells@govmail.state.nv.us
7. Additional Conditions/Comments

A.	
B.	
C.	

PERMIT APPROVAL

Approved 6/4/13 with the conditions noted above.
Date

Permit Number 1338



Administrator
Division of Minerals