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JAN 28 2010

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	27-007-90051
County	Elko
Permit Number	1096
FOR DIVISION USE ONLY	

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

The applicant
Standard Steam LLC

Name (or Corporate/Business Name)
of
Street Address 730 17th Street, Suite 820
City Denver State CO Zip Code 80203

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.)

N/A

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: #9
Lease Name/No: NVN-086922
Land Type: Federal (BLM, USFS, etc.) Private State

Location of Well:

Domestic: Street: NA
City: NA County: Elko

Commercial and Industrial: SE $\frac{1}{4}$ of, SE $\frac{1}{4}$ in Section 28,
Township 39N, Range 59E,
UTM Northing 4566274 N; UTM Easting 641538 E (Using NAD27 Datum)
County Elko

(If applicable, give street address below.)

Street: NA
City: NA
State: NV Zip: NA

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION
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Operator's Name: Standard Steam LLC
Address: 730 17th Street, Suite 830
City, St Zip: Denver, CO 80203

Drilling Contractor's Name: AK Drilling
Address: 21387 Highway 30
City, St Zip: Twin Falls, ID 83301

Rotary Rig Description: See Attached

Hole Size: 6" Casing Size: 8" Weight/Gauge: ~24 lbs/ft.

Estimated Well Head Temperature: Less than 125 F

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:
Temperature Measurement

Planned Disposal of Spent Geothermal Fluid:
N/A - Cuttings are deposited in sump and incidental drilling water is infiltrated back into the ground.

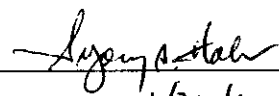
Type and Amount of Bond: Cash
(Exempt for Domestic Class)

Bond Issued by: _____ Serial No. _____

The Source of the Proposed Geothermal Resource is:
Down Deep - Unknown at this time as this is exploration
(List name of hot spring, geologic formation(s) or other source.)

Total Depth to be Drilled: 500'

Drilling will Commence On or Before: ~ 3/2010

Signature of Applicant/Agent: 
Date: 1/26/10

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. _____
- C. _____

PERMIT APPROVAL

Approved FEBRUARY 5 2010 with the conditions noted above.
Date

Permit Number 1096

Doug Driscoll
Deputy Administrator
Division of Minerals