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JUL 20 2015

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 27-007-90080
County Elko
Permit Number 1396
FOR DIVISION USE ONLY

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name

ORNI 42 LLC HSS II

Street Address 6225 Neil Road

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.)

[Empty box for incorporation/partnership details]

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: 35A-8
Lease Name/No: Hot Sulphur Springs Split Estate? [] Yes [x] No
Land Type: [] Federal (BLM, USFS, etc.) [x] Private [] State

Location of Well:

Domestic: Street: Project Area Permit 673
City: County:

Commercial and Industrial:

NE 1/4 of, SW 1/4 in Section 8
Township 41N, Range 52E

UTM Northing 4590680 N; UTM Easting 570460 E (NAD83 Datum)

County Elko

(If applicable, give street address below.)

Street: Tuscarora Power Plant
City: 12 miles NNE of Tuscarora
State: NV Zip:

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Operator's Name: Ormat Nevada
Address: 6225 Neil Road
City, St Zip: Reno, NV 89511

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Drilling Contractor's Name: Geodrill
Address: 4782 Hwy 111
City, St Zip: Brawley, CA 92227

Rotary Rig Description: Rotary

Hole Size: 36" Casing Size: 30" Weight/Gauge: PEBFW 5/8"

Estimated Well Head Temperature: 350 F

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:

geothermal electric energy production

Planned Disposal of Spent Geothermal Fluid:

reserve pit, or existing geothermal injection wells

Type and Amount of Bond: State wide cash bond
(Exempt for Domestic Class)

Bond Issued by: Bank of America CD Serial No.

The Source of the Proposed Geothermal Resource is:

Hot Sulphur Springs KGRA

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

Total Depth to be Drilled: +/- 5,000 feet

Drilling will Commence On or Before: July 23, 2015

Signature of Applicant/Agent: Mark Jannone

Date: July 15, 2015

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.

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CONDITIONS OF PERMIT

1. All permittees must comply with appropriate sections of the Geothermal Regulation 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.	<i>Under Project Area Permit 673.</i>
B.	
C.	

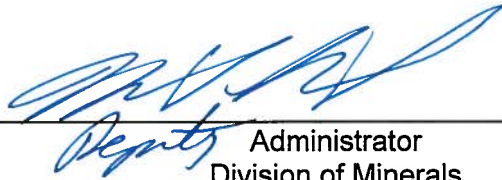
This permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

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 8/17/2015 with the conditions noted above.
Date

Permit Number 1396



 Deputy Administrator
 Division of Minerals