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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	<u>27-001-90441</u>
County	<u>Churchill</u>
Permit Number	<u>1175</u>
FOR DIVISION USE ONLY	

**GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**

Name or Corporate/Business Name

TGP Dixie Development Company, LLC

Street Address 9590 Prototype Court, Suite 200

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.)

Incorporated in the State of Delaware on November 14, 2008 with TGP Development Company, LLC the sole member.

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: 76A-14

Lease Name/No: N-17282

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

Location of Well:

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

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

Commercial and Industrial: NE  $\frac{1}{4}$  of, SE  $\frac{1}{4}$  in Section 14,  
Township 24N, Range 36 E

UTM Datum Used:	<input checked="" type="checkbox"/> NAD83 Datum	<input type="checkbox"/> NAD27 Datum
UTM Northing	<u>4422077 m</u>	N; UTM Easting <u>423820 m</u> E

County Churchill

(If applicable, give street address below.)

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

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

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

Operator's Name: TGP Dixie Development Company, LLC  
Address: 9590 Prototype Court, Suite 200  
City, St Zip: Reno, NV 89521

Drilling Contractor's Name: Sierra Lynks Drilling Co.  
Address: P.O. Box 1690  
City, St Zip: Inyokern, CA 93527-1690

Rotary Rig Description: 10,000' capacity triple, 30' KB

Hole Size: 17.5" Casing Size: 13.378 Weight/Gauge: 72#/L80

Estimated Well Head Temperature: 325-350 F

Size of BOP:  2000 psi  3000 psi  5000 psi

Planned Use of Geothermal Resource:

Power production under utility power sales contract

Planned Disposal of Spent Geothermal Fluid:

injection or temporary discharge to well sump

Type and Amount of Bond: \$150,000 BLM Nationwide Bond #NV0577, Rider  
(Exempt for Domestic Class)

Bond Issued by: US Bank Serial No. 353703583859

The Source of the Proposed Geothermal Resource is:

underground, below 6,500'

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

Total Depth to be Drilled: 10,000'

Drilling will Commence On or Before: 1/1/2011

Signature of Applicant/Agent: 

Date: 9/27/2010

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 PDA.
- B. Under Project Area Permit 1140.
- C. \_\_\_\_\_
- \_\_\_\_\_

**PERMIT APPROVAL**

Approved 10/12/10 with the conditions noted above.  
Date

Permit Number 1175

Alan R. Larson  
Administrator  
Division of Minerals