

ATTN: LOWEST PRICE

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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	27-001-90420
County	Churchill
Permit Number	1127
FOR DIVISION USE ONLY	

**GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION**

The applicant

Vista Del Verde, LLC Justin Schneider - member

Name (or Corporate/Business Name)

of

Street Address 719 W. Williams Ave.

City Fallon State NV Zip Code 89406

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.)

Nevada Domestic Limited Liability Company  
Nv Business ID - NV 20051294390  
Date of Corporation: 3-18-2005

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: Schneider - 1

Lease Name/No:

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

Location of Well:

Domestic: Street: 2643 Highland Dr.

City: Fallon, NV 89406 County: Churchill

~~Commercial and Industrial~~ SE 1/4 of, NW 1/4 in Section 26  
 LOCATION FOR HOUSE & WELLS } Township 19 N, Range 28 E  
 UTM Northing N; UTM Easting E (Using NAD27 Datum)  
 County N  
 (If applicable, give street address below.)  
 Street:  
 City:  
 State: A Zip:

**GEOTHERMAL INJECTION WELL PERMIT APPLICATION**  
**PAGE 2**

**Drilling Contractor's:**

Name: n/a - existing well for many years

Address: n/a

City, St Zip: n/a

Telephone: n/a

Hole Size: \_\_\_\_\_ Casing Size: \_\_\_\_\_ Weight/Gauge: \_\_\_\_\_

Size of BOP:  2000 psi  3000 psi  5000 psi

**Rotary Description:**

n/a

**Identify or locate the sources of the fluids which will be injected:**

water from well : Schneider-1 will be pumped through a Geothermal heat pump and returned into the ground through 2<sup>nd</sup> well identified as Schneider-2 for domestic heating.

Estimated average daily volume of fluids injected unk currently gallons.

Maximum daily volume of fluids injected n/a gallons.

Estimated maximum injected pressure n/a psi, temperature n/a °F

**List proposed metering equipment, pipelines and safety devices that will be used to prevent accidental pollution:**

The Climate Master Geothermal Heat pumps for Domestic use are low HP and volume rated.

Total Depth to be Drilled: existing well is approx. 320 ft. deep. AND 16" CASING <sup>300'</sup>

Drilling will Commence On: n/a

Is this well location under an Underground Injection Permit?

If so, provide NDEP Permit number UNEV n/a

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this application has been omitted.

Signature of Applicant/Agent: 

Date: 3-4-2010

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 geothermal injection 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. \_\_\_\_\_  
\_\_\_\_\_
- B. \_\_\_\_\_  
\_\_\_\_\_
- C. \_\_\_\_\_  
\_\_\_\_\_

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**PERMIT APPROVAL**

Approved MARCH 9 2010 with the conditions noted above.  
Date

Permit Number 1127

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*Doug Dresner*  
Deputy Administrator  
Division of Minerals