

BLM # NVN-77272

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WHITE-DIVISION OF WATER RESOURCES
GANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 115918
Permit No.
Basin 101

Well ID: "68-35"
PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in
accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO 32972

1. OWNER **ENEI, GREEN POWER INC**
SALT Wells Power Plant
MAILING ADDRESS **NORTH America, Inc**
4785 LAWRENCE Lane, Falled. NJ 08940
ADDRESS AT WELL LOCATION **SALT Wells Road - South**
2. LOCATION **SW 1/4 SE 1/4 Sec 35 T 17 N 30 E Churchill** County
PERMIT NO. **PM-1297** Issued by Water Resources Parcel No. **BLM** Subdivision Name

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other
4. PROPOSED USE **Grading**
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock
5. WELL TYPE
 Cable Rotary RVC
 Air Other **mud**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
8 5/8 Casing was all ready set and pressure grouted from 41-80 ft.				
We started drilling cement grout from top of casing to 80' feet.				
Red clay and basalt rock		80'	260'	180'
Black basalt rock		180'	760'	580'
Fractured basalt rock		760'	800'	40'

* NO WATER WAS DEVELOPED FROM HOLE.
GPS. N 39.17.16
W 118.3448

8. WELL CONSTRUCTION

Depth Drilled **800'** Feet Depth Cased **800'** Feet

HOLE DIAMETER (BIT SIZE)

From	To
6 1/8 Inches	0 Feet 800' Feet
Inches	Feet Feet
Inches	Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4 1/2	10.8	1.250	+1	800'

Perforations:
Type perforation **1/8 x 3" 2# per 20' foot section**
Size perforation **20' foot section**

From	To
feet to	feet
From 300'	feet to 800' feet
From	feet to
From	feet to

Surface Seal: Yes No Seal Type:
Depth of Seal **80'** Neat Cement
Placement Method: Pumped Cement Grout
 Poured Concrete Grout

Gravel Packed: Yes No
From _____ feet to _____ feet

Date started **Sept 24 12** 20
Date completed **Sept 30 12** 20

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift		
NONE		
	39, 287731 °N	NAD27
	118, 579013 °W	

9. WATER LEVEL
Static water level **UNKNOWN** feet below land surface
Artesian flow **NO** G.P.M. _____ P.S.I.
Water temperature **NOT** °F Quality **N/A**

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name **Leach Drilling Inc** Contractor
Address **PO Box 599** Contractor
Baker Springs, NV 89429
Nevada contractor's license number issued by the State Contractor's Board **1740**
Nevada driller's license number issued by the Division of Water Resources, the on-site driller **31841**
Signed **William Leach**
By driller performing actual drilling on site or contractor
Date **Sept 30, 12**

RECEIVED

APR 27 2012

Division of Minerals

STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS
400 W. King Street, Suite 108
Carson City, Nevada 89703
(775) 684-7040 : Fax (775) 684-7052

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Date Received
API Number <u>27-001-90434</u>
County <u>Churchill</u>
Permit Number <u>1297</u>
FOR DIVISION USE ONLY

GEOHERMAL RESOURCE DEVELOPMENT PERMIT APPLICATION

Name or Corporate/Business Name

Enel Salt Wells, LLC

Street Address 1755 East Plumb Lane Suite 155

City Reno State NV Zip Code 89502

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.)

Organization Report on File with NDOM

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: 68-35

Lease Name/No: BLM / NVN-77272 Split Estate? Yes No

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

Location of Well:

Domestic: Street: _____

City: _____ County: _____

Commercial and Industrial:

SW _____ $\frac{1}{4}$ of, SE _____ $\frac{1}{4}$ in Section 35

Township 17N, Range 30E

UTM Northing 4349687 N; UTM Easting 363819 E (Using NAD27 Datum)

****Note: Please convert UTM's from NAD83 to NAD27****

County Churchill

(If applicable, give street address below.)

Street: _____

City: _____

State: _____ Zip: _____

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Operator's Name: Enel Salt Wells, LLC
Address: 1755 East Plumb Lane Suite 155
City, St Zip: Reno, Nevada 89502

Drilling Contractor's Name: Welsco Drilling Corp
Address: P.O. Box 888
City, St Zip: Fallon, NV 89407

Rotary Rig Description: Top drive, rubber tire mounted

Hole Size: 6 1/4" Casing Size: 4 1/2" Weight/Gauge: 9.5 lb/ft

Estimated Well Head Temperature: 290°F

Size of BOP: 2000 psi 3000 psi 5000 psi

Planned Use of Geothermal Resource:
Develop additional geo-physical data on well field.

Planned Disposal of Spent Geothermal Fluid:
A small onsite pit will be constructed to contain drill cuttings during drilling and will be reclaimed following well completion.

Type and Amount of Bond: BLM Statewide \$50,000
(Exempt for Domestic Class)

Bond issued by: Bank of America Serial No. NVB000417

The Source of the Proposed Geothermal Resource is:
Basalt Lithology in Salt Wells KGRA
(List name of hot spring, geologic formation(s) or other source.)

Total Depth to be Drilled: 1000 ± ft

Drilling will Commence On or Before: April 2012 (On Agency Approval)

Signature of Applicant/Agent: *Arley Smith*
Date: Apr 13, 2012

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.

well log #115918

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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.	<i>Under Project Area Permit 564.</i>
B.	
C.	

PERMIT APPROVAL

Approved 5/2/12 with the conditions noted above.
Date

Permit Number 1297

Alan R. Lyman

 Administrator
 Division of Minerals