

**APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED**

Date of filing in State Engineer's Office **AUG. 3. 1987**

Returned to applicant for correction

Corrected application filed Map filed DEC 23 1985 under 49602; Proposed POU under 43881; Existing POD under 40444

The applicant **Western States Geothermal Company**

**P.O. Box 7147** of **San Francisco**  
Street and No. or P.O. Box No. City or Town

**CA 94542** hereby make <sup>s</sup> application for permission to change the  
State and Zip Code No.  
**Point of Diversion**

Point of diversion, manner of use, and/or place of use  
of water heretofore appropriated under **Permit 40444**  
(Identify existing right by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and identify right in Decree.)

1. The source of water is **underground**  
Name of stream, lake, underground spring or other source.
2. The amount of water to be changed **ten second feet**  
Second feet, acre feet. One second foot equals 448.83 gallons per minute.
3. The water to be used for **industrial and domestic**  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.
4. The water heretofore permitted for **unchanged**  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.
5. The water is to be diverted at the following point **SE 1/4 NE 1/4 Section 6, T.17N., R.20E., M.D.M.**  
Describe as being within a 40-acre subdivision of public survey and by course and distance to a section corner. If on unsurveyed land, it should be stated.  
**Washoe County Nevada Tie: S07° 57' 06" E, 966.0 Feet to E 1/4 Corner Section 6, T.17N., R. 20E., MDM.**
6. The existing permitted point of diversion is located within **SW 1/4 NE 1/4 Section 6, T17N - R 20 E,**  
If point of diversion is not changed, do not answer.  
**Washoe County, Nevada. The well will 1998.5 feet on a bearing of S 11° 59'E from the north quarter corner of Section 6, T17N-20E.**
7. Proposed place of use **Sections 31 and 32 T. 18N R.20E and Section 5 and 6 T.17N., R20E. MDM**  
Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.
8. Existing place of use **Section 6, T.17N., R.20E. MDM.**  
Describe by legal subdivisions. If permit is for irrigation, state number of acres irrigated. If changing place of use and/or manner of use of irrigation permit, describe acreage to be removed from irrigation.
9. Use will be from **January 1** to **December 31** of each year.  
Month and Day Month and Day
10. Use was permitted from **January 1** to **December 31** of each year.  
Month and Day Month and Day
11. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) **Drill a well, 8" diameter or larger to a depth of 8000 ft. or less.**  
State manner in which water is to be diverted, i.e. diversion structure, ditches, pipes and flumes, or drilled well, etc.
12. Estimated cost of works **\$1,000,000**
13. Estimated time required to construct works **one year**

14. Estimated time required to complete the application of water to beneficial use..... five years

15. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The well will produce geothermal fluid for electrical power generation. Please use map filed under Permit 49602 to support the proposed point of diversion. Use map filed under 40444 to support the existing point of diversion use map filed under 43881 to support proposed place of use. Total annual consumptive use will not exceed 722.7 acre feet.

Western States Geothermal Company  
By s/ G.T. Cole..... G.T. Cole, Vice-Pres.  
P.O. Box 7147  
San Francisco, CA 94542

Compared..... pm/bc..... pm/se.....

Protested.....

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit to change the point of diversion and place of use of the waters of an underground source as heretofore granted under Permit 40444 is issued subject to the terms and conditions imposed in said Permit 40444 and with the understanding that no other rights on the source will be affected by the change proposed herein.

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the (CONTINUED ON PAGE 2)

The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to exceed..... 10.0..... cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before..... July 24, 1989

Proof of completion of work shall be filed before..... August 24, 1989

Application of water to beneficial use shall be made on or before..... July 24, 1990

Proof of the application of water to beneficial use shall be filed on or before..... August 24, 1990

Map in support of proof of beneficial use shall be filed on or before..... N/A

Completion of work filed..... IN TESTIMONY WHEREOF, I..... PETER G. MORROS.....

Proof of beneficial use filed..... State Engineer of Nevada, have hereunto set my hand and the seal of my office, this..... 7th..... day of..... December.....

Cultural map filed.....

A.D. 19..... 88

*[Handwritten signature of Peter G. Morros]*  
State Engineer

Certificate No..... Issued.....

CANCELLED 2407 (Rev. 6-88) 27 1989 BECAUSE OF FAILURE OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT

*[Handwritten signature]* STATE ENGINEER

## (PERMIT TERMS CONTINUED)

injection well and/or other analyses of the system used for returning the used geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid under this permit shall be limited to 7240 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system. Consumptive use of this permit shall not exceed 722.7 acre-feet annually. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

The total combined consumptive use of the geothermal fluid under Permits 34917, 41126, 42444, 42445, 42447, 42448, 42449, 43881, 49603, 50914 and 51168 shall be limited to 7963.67 acre-feet annually.

There are to be no perforations in the well for at least the first 1,500 feet. The well is to be cemented from the 1,500 foot level to the surface to protect fresh water zones.

