

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 MAY 8 1987

Returned to applicant for correction

Corrected application filed under 49602 Map filed DEC 3 1985 POD & POU 43881

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 94120-7147 hereby make S application for permission to change the Point of Diversion State and Zip Code No.

Point of diversion, manner of use, and/or place of use Permit 43882 of water heretofore appropriated under (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 (Geothermal) Name of stream, lake, underground spring or other source.

2. The amount of water to be changed 10.0 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 Industrial and Domestic 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 or at a point from which the E 1/4 corner of said Section 6 bears S 07° 57' 06" E, distance to a section corner. If on unsurveyed land, it should be stated. 966 feet.

6. The existing permitted point of diversion is located within NE 1/4 NE 1/4 Section 6, T.17N., R.20E., M.D.M., or at a point from which the the NE corner Section 31, T.18N., R.20E., M.D.M., bears N 05° 24' 35" E., 6499.43' If point of diversion is not changed, do not answer.

7. Proposed place of use All of Sections 31, 32, T.18N., R.20E., M.D.M., and all of Sections 5 and 6, T.17N., R.20E., M.D.B.&M. Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.

8. Existing place of use Unchanged 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 Jan 1 to Dec 31 of each year. Month and Day Month and Day

10. Use was permitted from Jan 1 to Dec 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' 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..... 5 years

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

Well to produce geothermal fluid for electrical power generation. Please use map filed under 49602 to support proposed point of diversion. Use map under 43882 to support existing point of diversion and place of use. Total annual consumptive use will not exceed 722.7 acre feet

By s/Hiram A. Bingham Caithness Corporation  
380 Lexington Ave  
New York, NY 10017

Compared bc/bl 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 of the waters of an underground source as heretofore granted under Permit 43882 is issued subject to the terms and conditions imposed in said Permit 43882 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 wells 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 injection well and/or other analyses of the system used for returning the used geothermal (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 February 9, 1988

Proof of completion of work shall be filed before March 9, 1988

Application of water to beneficial use shall be made on or before February 9, 1988

Proof of the application of water to beneficial use shall be filed on or before March 9, 1988

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

Completion of work filed MAR 08 1988 IN TESTIMONY WHEREOF, I PETER G. MORROS

Proof of beneficial use filed AUG 27 1988 State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 2nd day of October

Cultural map filed.....

Certificate No. 15205 Issued MAY 10 1989

*Peter G. Morros*  
State Engineer

## (PERMIT TERMS CONTINUED)

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 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, 43882, 49603 and 50914 shall be limited to 7963.67 acre-feet annually.

