

AMENDED
APPLICATION FOR PERMIT

Nº 37717

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office..... APR 5 1979
Returned to applicant for correction..... AUG 23 1979
Corrected application filed..... SEP 14 1979
Map filed..... SEP 4 1979 under 37712

The applicant..... Republic Geothermal, Inc.
11823 East Slauson Avenue....., of Santa Fe Springs.....
Street and No. or P.O. Box No. City or Town
California 90670....., hereby make.... application for permission to appropriate the public
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated in the State of Nevada on August 15, 1973 and reincorporated in the State of California by merger with a wholly owned subsidiary on September 20, 1977.

1. The source of the proposed appropriation is..... Water Well No. 1 (WW-1); underground.....
Name of stream, lake or other source.
2. The amount of water applied for is..... 1.10..... second-feet
One second-foot equals 448.83 gals. per min.
(a) If stored in reservoir give number of acre-feet..... acre-feet
3. The water to be used for..... Industrial.....
Irrigation, power, mining, manufacturing, domestic, or other use.
4. If use is for:
(a) Irrigation (state number of acres to be irrigated).....
(b) Stockwater (state number and kinds of animals to be watered).....
(c) Other use (describe fully under "No. 12. Remarks").....
(d) Power:
(1) Horsepower developed.....
(2) Point of return of water to stream.....
5. The water is to be diverted from its source at the following point: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 14, T24N, R36E, MDB&M, or at a point from which the NW corner of section 5, T24N, R37E, MDB&M, bears N43°32'21"E 20,440.9 feet.
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.
6. Place of use..... Federal Geothermal Lease Nos. N 12861 and N 27282: all of Sections 11, 14, 15 and 23, T24N, R36E, MDB&M; and all of sections 2, 3 and 13, and E $\frac{1}{2}$ of Section 11, T24N, R37E, MDB&M.
Describe by legal subdivision, if on unsurveyed land it should be so stated.
7. Use will begin about..... January 1..... and end about..... December 31....., of each year.
Day and Month Day and Month
8. 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 well to depth of up to 500 feet, install casing and cement to surface.
State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.

- 9. Estimated cost of works..... \$20,000
- 10. Estimated time required to construct works..... six months
- 11. Estimated time required to complete the application to beneficial use..... six months
- 12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

This application is for a water well to be used for geothermal drilling and testing operations with an approximate annual consumption of about 2,310,000 gallons for the first two years, 1,470,000 gallons for the third year and 630,000 gallons per year thereafter.

Applicant Republic Goethermal, Inc.

By s/ Timothy M. Evans
 Timothy M. Evans, Vice President
 11823 East Slauson Avenue
 Santa Fe Springs, CA 90670

Compared lp/bl ja/sj

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 is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. This well shall be equipped with a two (2) inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of water begins, or before the Proof of Completion of Work is filed. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 1.1 cubic feet per second, but not to exceed 2.31 million gallons annually.

- Actual construction work shall begin on or before..... August 28, 1980
- Proof of commencement of work shall be filed before..... September 28, 1980
- Work must be prosecuted with reasonable diligence and be completed on or before..... August 28, 1981
- Proof of completion of work shall be filed before..... September 28, 1981
- Application of water to beneficial use shall be made on or before..... August 28, 1984
- Proof of the application of water to beneficial use shall be filed on or before..... September 28, 1984
- Map in support of proof of beneficial use shall be filed on or before.....

Commencement of work filed..... IN TESTIMONY WHEREOF, I WILLIAM J. NEWMAN
 Completion of work filed..... State Engineer of Nevada, have hereunto set my hand and the seal of
 Proof of beneficial use filed..... my office, this 28th day of FEBRUARY

Certificate No. Issued A.D. 19 80
 Recorded Bk Page NOV 14 1983
 County Recorder
 State Engineer

218 (Rev.) WITHDRAWN BY AGENT
 State Engineer dcb