

ASSIGNED

No 46586

APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office JAN 28 1983

Returned to applicant for correction

Corrected application filed

Map filed JAN 28 1983

The applicant Phillips Petroleum Company

P. O. Box 6256, of Reno City or Town

Nevada 89513 State and Zip Code No.

hereby make S. application for permission to appropriate the public 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.) Delaware, June 13, 1917

1. The source of the proposed appropriation is underground Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 5.0 (five) second-feet One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet

3. The water to be used for industrial and domestic Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one 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" industrial and domestic

(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: NE 1/4, SE 1/4 Section 21, T22N-R27E, M.D.B.&M., on a bearing of S. 70° 29' W. 1060.5' from the east quarter corner of section 21, T22N-R27E, M.D.B. & M.

6. Place of use section 21, T22N-R27E, M.D.B. & M.

7. Use will begin about January 1st and end about December 31st, of each year.

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 a well of 8 inch or larger diameter to a depth of less than 8000 feet.

9. Estimated cost of works \$750,000

10. Estimated time required to construct works 3 years
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use 5 years

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

Steam and water will be diverted from the well and the thermal energy extracted.
Due to the long lead-in time for geothermal development and production it is requested that three years be granted for the time required to construct works and five years for the application of water to beneficial use.

By s/Frank Yeamans
Frank Yeamans
P. O. Box 6256, Reno, Nevada 89513

Compared bc/bl pr/bc

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 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 and the amount of fluid injected into the injection well to determine the total amount of fluid consumed for a beneficial use.

The production and injection well is 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 to the source must be submitted together with the Proof of Completion.

(CONTINUED ON PAGE TWO)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 5.0 cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before December 16, 1987

Proof of completion of work shall be filed before January 16, 1988

Application of water to beneficial use shall be made on or before December 16, 1992

Proof of the application of water to beneficial use shall be filed on or before January 16, 1993

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

Completion of work filed IN TESTIMONY WHEREOF, I, PETER G. MORROS,
State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed
my office, this 9th day of October,

Cultural map filed

Certificate No. Issued A.D. 1984

218 (Rev.) Approved By: 70695 5.0


State Engineer

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Permit Terms Continued

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

The total withdrawal of the geothermal fluid shall be limited to 3620 acre-feet per year but the total consumptive use of the geothermal fluid is limited to 724 acre-feet per year.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal, and local agencies.

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