

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

Date of filing in State Engineer's Office AUG 19 1982

Returned to applicant for correction \_\_\_\_\_

Corrected application filed \_\_\_\_\_

Map filed AUG 19 1982

The applicant Phillips Petroleum Company

P. O. Box 6256, of Reno,  
Street and No. or P.O. Box No. City or Town

Nevada 89513, hereby make S 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.) 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  
Describe as being within a 40-acre subdivision of public

M.D.B. and M. on a bearing S. 11° 41' W. 1242.0' from the east quarter corner of section 21, T22N-R27E, M.D.B. and M.  
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

6. Place of use all of sections 21 and 22, T22N-R27E, M.D.B. and M.  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

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

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 inches or larger diameter to a depth of less than 8000 feet.  
State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.

9. Estimated cost of works \$750,000

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

11. Estimated time required to complete the application of water to beneficial use five (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 five years be granted for the application of water to beneficial use.

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

Compared bl/js 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.

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.

(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 NOV 30 1984 IN TESTIMONY WHEREOF, I, PETER G. MORROS,

Proof of beneficial use filed JAN 18 1989 State Engineer of Nevada, have hereunto set my hand and the seal of

Cultural map filed my office, this 9th day of October,

Certificate No. 12790 Issued APR 19 1991 A.D. 1984

*(Signature of Peter G. Morros)*  
State Engineer

"Page Two"  
Permit Terms Continued

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.

THE END

