№ 41926

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

Date of filing in State Engineer's Office JUL 25 1980

Returned to applicant for correction

Corrected application filed

Map filed JUL 25 1980 under 41890

The applicant Sunoco Energy Development Company

12700 Park Central Pl., Box 9, Suite 1500 (Street and No. or P.O. Box No.), of Dallas (City or Town),

Texas (75251) (State and Zip Code No.), hereby make.... 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.) Incorporated January 2, 1975 in the State of Delaware

1. The source of the proposed appropriation is Underground Well No. 77-20 (Name of stream, lake or other source.)

2. The amount of water applied for is 3.25 (One second-foot equals 448.83 gals. per min.) second-feet

   (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. 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")

   (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: SE¼ SE¼ Section 20, T24N, R37E, M.D.B.&M., or at a point from which the Northwest corner of Section 5, T24N, R37E, M.D.B.&M. bears, N 11° 52' 27" W a distance of 20,753.4 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 Section 32, T25N, R37E, M.D.B.&M., Sections 4, 5, 6, 7, 8, 17, 18, 19, 20, 21, T24N, R37E, M.D.B.&M., Sections 12, 13, 24, T24N, R36E, M.D.B.&M. (Describe by legal subdivision, if on unsurveyed land it should be so stated.)

7. Use will begin about January 1 (Month and Day) and end about December 31 (Month and Day), 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 well to approximately 6000 feet, install casing and cement back to surface to protect fresh water zones. Hot water or steam will flow through pipeline to electric plant. (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 $500,000

10. Estimated time required to construct works Two Years

11. Estimated time required to complete the application to beneficial use Five Years

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 geothermal well with a production of 2.1 million gallons per day. The withdrawal will be 2352 acre feet per year; however, the high temperature water would be flashed with the net effect of 210,000 gallons per day being beneficially used and the remaining water returned to the reservoir so only 235 acre feet per year is actually used. This application is commingled with other applications.

Applicant SUNOCO ENERGY DEVELOPMENT COMPANY

By s/Richard W. Arden
Richard W. Arden, Agent
950 Industrial Way
Sparks, Nevada (89431)

Compared bc/ bl

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:

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

Actual construction work shall begin on or before

Proof of commencement of work shall be filed before

Work must be prosecuted with reasonable diligence and be completed on or before

Proof of completion of work shall be filed before

Application of water to beneficial use shall be made on or before

Proof of the application of water to beneficial use shall be filed on or before

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

Commencement of work filed

Completion of work filed

Proof of beneficial use filed

Cultural map filed

Certificate No. APPLICANT Issued SEP 1 6 1981

IN TESTIMONY WHEREOF, I State Engineer of Nevada, have hereunto set my hand and the seal of my office, this day of A.D. 19

STATE ENGINEER

State Engineer

218 (Rev.)