№ 34429

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

Date of filing in State Engineer's Office OCT 2 7 1977

Returned to applicant for correction

Corrected application filed

Map filed OCT 2 7 1977 under 34427

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. 3 (Name of stream, lake or other source.)

2. The amount of water applied for is 3.25 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: NE¼ NW¼ Section 2, T.34N., R.23E., M.D.B. & M., or at a point from which the North ¼ Corner of said Section 2 bears N 11° 30' E 500.00 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 Sections 1,2,3,10,11,12 NW¼ NW¼ Section 13, N½ N½ Sec. 14, N½ N½ Sec. 15, T.34N., R.23E., M.D.B. & M. W½ Sec. 5, Sections 6 & 7, W½ Sec. 8, T.34N., R.24E., M.D.B. & M. Sections 13,14,22,23,24,25,26,27,34,35 and 36, T.35N., R.23E., M.D.B. & M., Sections 18,19,30,31,W½ Sec. 17, W½ Sec. 20, W½ Sec. 29 and W½ Sec. 32, T.35N., R.24E., M.D.B. & M. (Describe by legal subdivision, if on unsurveyed land it should be so stated.)

7. Use will begin about January 1 (Day and Month) and end about December 31 (Day and Month), 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. (State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.) Hot water or steam will flow through pipeline to electric plant.

9. Estimated cost of works $500,000.00

10. Estimated time required to construct works 2 years

11. Estimated time required to complete the application 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.

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 comingled with other applications. The total hot water-steam equivalent necessary for beneficial use is 3300 acre feet per year from all applications.

Applicant SUNOCO Energy Development Company

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

Compared bl/bc

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 all existing rights on the source. 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 at permittee's well due to other ground water development in the area. A measuring device must be installed and measurements of water use kept. If the well is flowing, a valve must be installed and maintained to prevent waste. The State retains the right to regulate the use of the water granted herein at any and all times.

There are to be no perforations in the well for at least the first 5000 feet. The well is to be cemented from the 5000 foot level to the surface to protect fresh water zones. The total water - steam equivalent to be consumptively withdrawn from the geothermal ground water reservoir under Permits 34427 through 34443 is limited to 3300 acre-feet of water per year.

This permit is further issued subject to the condition 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 amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 3.25 cubic feet per second, but not to exceed 235.0 acre-feet annually.

Actual construction work shall begin on or before November 3, 1978

Proof of commencement of work shall be filed before December 3, 1978

Work must be prosecuted with reasonable diligence and be completed on or before November 3, 1979

Proof of completion of work shall be filed before December 3, 1979

Application of water to beneficial use shall be made on or before November 3, 1984

Proof of the application of water to beneficial use shall be filed on or before December 3, 1984

Map in support of proof of beneficial use shall be filed on or before December 3, 1984

Commencement of work filed
Completion of work filed
Proof of beneficial use filed
Cultural map filed
Certificate No. Issued
Recorded Bk. Page

IN TESTIMONY WHEREOF, I ROLAND D. WESTERGARD State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 3rd day of MAY, A.D. 19 78

State Engineer

County Recorder

218 (Rev.)

JAN 3 1980

CANCELLED BECAUSE OF FAILURE OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT

William J. Newman
ASSISTANT STATE ENGINEER