

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

Date of filing in State Engineer's Office..... **APR 2 1979**
Returned to applicant for correction..... **SEP 10 1979**
Corrected application filed..... **OCT 15 1979**
Map filed..... **OCT 15 1979**

The applicant..... Union Oil Company of California
461 South Boylston Street....., of Los Angeles
Street and No. or P.O. Box No. City or Town
California 90017....., hereby makes 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 incorpora-
tion; if a copartnership or association, give names of members.)
Incorporated in California on October 17, 1890.

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

2. The amount of water applied for is..... five..... second-foot
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 and domestic
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")..... 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: De Braga #2: A bearing and
distance of South 67° 00' 30" East; 947.29' from the Northwest corner
Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land,
of Lot 4 of Section 6, T19N, R31E, MDM.
it should be stated.

6. Place of use..... See attached.
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 a well to a minimum of 4000'
and install deep pump, if necessary, for the purposes set forth in
State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.
item 12.

- 9. Estimated cost of works.....in excess of \$100,000.00.....
- 10. Estimated time required to construct works.....three 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.

.....Proposed well to explore, test and develop geothermal resources
for industrial uses.....

Applicant Union Oil Co. of California.

By s/ Don L. Ash.....
 Don L. Ash, District Drilling Superin-
 Compared lp/de.....gk/ja.....tendent, 2099 Range Ave., P.O. Box 6854
 Santa Rosa, California 95406

.....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. If the well is flowing, a valve must be installed and maintained to prevent waste. Accurate measurements must be kept of water placed to beneficial use. 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.

There are to be no perforations in the well for at least the first 3,500 feet. The well is to be cemented from the 3,500 foot level to the surface to protect fresh water zones.

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.

This permit is further issued subject to the condition that only geothermal fluids are to be diverted and used beneficially and fresh, cold water aquifers are not to be diverted.

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, but not to exceed 3,620.0 acre-feet annually.

- Actual construction work shall begin on or before.....February 15, 1981.....
- Proof of commencement of work shall be filed before.....March 15, 1981.....
- Work must be prosecuted with reasonable diligence and be completed on or before.....February 15, 1982.....
- Proof of completion of work shall be filed before.....March 15, 1982.....
- Application of water to beneficial use shall be made on or before.....February 15, 1987.....
- Proof of the application of water to beneficial use shall be filed on or before.....March 15, 1987.....
- 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 15th day of AUGUST
 Cultural map filed.....
 Certificate No..... Issued..... A.D. 1980
 Recorded..... Bk..... Page.....
 County Recorder.....

APR 17 1981
 William J. Newman
 State Engineer

Township 20 North, Range 31 East, MDM.

Sec. 15: All
 Sec. 16: All
 Sec. 17: $E\frac{1}{2}E\frac{1}{2}$, $SW\frac{1}{4}SE\frac{1}{4}$, $S\frac{1}{2}SW\frac{1}{4}$
 Sec. 19: $E\frac{1}{2}NE\frac{1}{4}$, $SE\frac{1}{4}SE\frac{1}{4}$
 Sec. 20: All
 Sec. 21: All
 Sec. 22: $W\frac{1}{2}$
 Sec. 27: $NW\frac{1}{4}NW\frac{1}{4}$
 Sec. 28: $W\frac{1}{2}$, $NE\frac{1}{4}$, $W\frac{1}{2}SE\frac{1}{4}$
 Sec. 29: All
 Sec. 30: $E\frac{1}{2}$, $E\frac{1}{2}W\frac{1}{2}$
 Sec. 31: All
 Sec. 32: All
 Sec. 33: $W\frac{1}{2}W\frac{1}{2}$, $NE\frac{1}{4}NW\frac{1}{4}$

Township 20 North, Range 30 East, MDM.

Sec. 36: $SW\frac{1}{4}$, $S\frac{1}{2}SE\frac{1}{4}$

Township 19 North, Range 30 East, MDM.

Sec. 1: All
 Sec. 2: $S\frac{1}{2}$, $E\frac{1}{2}NE\frac{1}{4}$
 Sec. 11: $E\frac{1}{2}$, $SW\frac{1}{4}$
 Sec. 12: All
 Sec. 13: All
 Sec. 14: All
 Sec. 23: $E\frac{1}{2}$, $SW\frac{1}{4}$, $S\frac{1}{2}NW\frac{1}{4}$, $NE\frac{1}{4}NW\frac{1}{4}$
 Sec. 24: All
 Sec. 26: $W\frac{1}{2}$, $NE\frac{1}{4}$, $N\frac{1}{2}SE\frac{1}{4}$, $SW\frac{1}{4}SE\frac{1}{4}$
 Sec. 27: All
 Sec. 28: $E\frac{1}{2}E\frac{1}{2}$

Township 19 North, Range 31 East, M.D.M.

Sec. 4: $W\frac{1}{2}NW\frac{1}{4}$, $NW\frac{1}{4}SW\frac{1}{4}$
 Sec. 5: All
 Sec. 6: All
 Sec. 7: All
 Sec. 8: All
 Sec. 17: $S\frac{1}{2}NW\frac{1}{4}$, $NW\frac{1}{4}NW\frac{1}{4}$
 Sec. 18: $W\frac{1}{2}$, $NE\frac{1}{4}$, $N\frac{1}{2}SE\frac{1}{4}$, $SW\frac{1}{4}SE\frac{1}{4}$
 Sec. 19: $W\frac{1}{2}NW\frac{1}{4}$, $W\frac{1}{2}NE\frac{1}{4}$, $SE\frac{1}{4}NE\frac{1}{4}$