

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

Date of filing in State Engineer's Office. OCT 16 1978

Returned to applicant for correction.

Corrected application filed. OCT 16 1978

Map filed. OCT 16 1978

The applicant Southland Royalty Company (817) 390-9200
1000 Fort Worth Club Tower, of Fort Worth, Texas 76102

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 in Delaware 11/26/24

1. The source of the proposed appropriation is deep geothermal reservoir - 7,000' to 8,500' estimated depth.

2. The amount of water applied for is five (5) second-feet

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

3. The water to be used for testing the geothermal reservoir and geothermal power generation

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") geothermal

(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: NW 1/4 of SE 1/4 section 16, T24N, R36E, MDBM Churchill County, NV -- or North 44° 53' 51" East 24,153.65 feet from GLD pipe cap south 1/4 corner section 36, T24N, it should be stated. R35E, MDBM

6. Place of use. NW 1/4 of SE 1/4, section 16, T24N, R36E, MDBM, Churchill County, Nevada

7. Use will begin about January 1 and end about December 31, 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.) The proposed works are a geothermal well. The diversion will be via casing cemented into the hole drilled.

- 9. Estimated cost of works... one million one hundred thousand dollars (\$1,100,000.00)
- 10. Estimated time required to construct works... sixty to seventy-five days after commencement
- 11. Estimated time required to complete the application to beneficial use... three (3) months
- 12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The water will be used to test the geothermal reservoir. The hole will be cased and cemented to within 500' of the bottom which is expected to be 8,500'. See drilling plan and diagram attached. If the geothermal resource is hot enough, the well will be used for commercial production of geothermal power as soon as a plant can be constructed.

Applicant... s/ Jere Denton

By... Jere Denton
1000 Fort Worth Club Tower
Fort Worth, Texas 76102

Compared... lp/ga jm/bl

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 5,000 feet. The well is to be cemented from the 5,000 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.

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 3620.0 acre-feet annually.

- Actual construction work shall begin on or before... September 21, 1979
- Proof of commencement of work shall be filed before... October 21, 1979
- Work must be prosecuted with reasonable diligence and be completed on or before... September 21, 1980
- Proof of completion of work shall be filed before... October 21, 1980
- Application of water to beneficial use shall be made on or before... September 21, 1983
- Proof of the application of water to beneficial use shall be filed on or before... October 21, 1983
- Map in support of proof of beneficial use shall be filed on or before... October 21, 1983

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 21st day of MARCH
Cultural map filed...
Certificate No. Issued... A.D. 1979
Recorded... Bk... Page...
CANCER Order NOV 23 1979 BECAUSE OF FAILURE State Engineer

William J. Newman
STATE ENGINEER