

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

Date of filing in State Engineer's Office JUN 9 1982

Returned to applicant for correction AUG 11 1982

Corrected application filed

Map filed

The applicant Robert H. Broili and Raymond Rude

2375 Solari, of Reno, Nevada 89509

hereby make 1 application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated.

1. The source of the proposed appropriation is underground

2. The amount of water applied for is 0 second-feet

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

3. The water to be used for Quasi-Municipal (Geothermal) purposes

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: NW 1/4 NE 1/4 Section 27 T. 19 N. R. 19 E. MDB&M or at a point from which the NE corner of said section 27 bears N 56°58'17" E a distance of 2247.197 feet

6. Place of use portions of the W 1/2 NE 1/4 of section 27 T. 19 N. R. 19 E. MDB&M as shown on the supporting map

7. Use will begin about 1 January and end about 31 December, 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.) well, downhole heat-exchanger and distribution system

9. Estimated cost of works \$40,000

10. Estimated time required to construct works... 1 year  
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use... 3 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 is a geothermal well with a downhole heat-exchanger. The annual consumptive use will be (0) zero acre-feet. Eight (8) homes will be served under this permit.

By s/David Carlson  
David Carlson  
1026 W. first Street  
Reno, Nevada 89503

Compared js/bl br/ja

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 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. The State retains the right to regulate the use of the water herein granted at any and all times.

The 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 used beneficially for heating purposes only and fresh, cold water aquifers are not to be diverted.

This permit is specifically for the utilization of heat energy through a non-diversionary process, as described under NRS 533.030 (subsection 3).

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal, and local agencies.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 0.0 cubic feet per second

Work must be prosecuted with reasonable diligence and be completed on or before June 30, 1984

Proof of completion of work shall be filed before July 30, 1984

Application of water to beneficial use shall be made on or before June 30, 1986

Proof of the application of water to beneficial use shall be filed on or before July 30, 1986

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

Completion of work filed AUG 15 1984 IN TESTIMONY WHEREOF, I PETER G. MORROS, State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed OCT 7 1985 my office, this 30th day of JUNE

Cultural map filed

Certificate No. 11281 Issued NOV 25 1985 A.D. 19 83

[Signature of Peter G. Morros]  
State Engineer