№ 48740

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

Date of filing in State Engineer's Office JAN 21 1985

Returned to applicant for correction

Corrected application filed

Map filed JAN 21 1985

The applicant INTERMOUNTAIN LAND CO.

201 West Liberty Street (Street and No. or P.O. Box No.), of Reno (City or Town),

Nevada (89501) (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.) Robert W. Marshall doing business as (DBA) Intermountain Land Co.

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

2. The amount of water applied for is 6 cfs second-feet (One second-foot equals 448.83 gals. per min.)

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

3. The water to be used for Industrial (Bio Energy Cascade) (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 NE¼ NE¼ Section 22, T23N, R20E, MDM or at a point from which the North ¼ corner of said Section 22 bears, N 85° 30' W a distance of 1,490.00 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 so stated.)

6. Place of use NE¼, NE¼ NW¼, SE¼ NW¼, Section 22, T23N, R20E, MDM. (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 a geothermal well, install pump, motor and piping to greenhouse, fish production and algae system. (State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.)

9. Estimated cost of works $500,000

10. Estimated time required to construct works Two Years
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use Ten 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 an application for a geothermal well with a withdrawal of approximately 7,260 acre feet per year - combined with another application the actual consumption will be approximately 1,089 acre feet with the remaining water returned to the reservoir. This geothermal resource will be used as a High Tech Nutritional and Tissue Development System.

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

Compared sb/ mc js/bc

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 the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production and the amount of fluid injected into the injection well to determine the total amount of fluid consumed for a beneficial use.

The production and injection well are 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 diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal to the source must be submitted together with the Proof of Completion.
(CONTINUED ON Page 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 6.0 cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before December 23, 1987

Proof of completion of work shall be filed on or before January 23, 1988

Application of water to beneficial use shall be made on or before December 23, 1990

Proof of the application of water to beneficial use shall be filed on or before January 23, 1991

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

Completion of work filed

Proof of beneficial use filed

Cultural map filed

Certificate No. Issued

IN TESTIMONY WHEREOF, I PETER G. MORROS State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 23rd day of December, A.D. 19 85

State Engineer

218 (Rev.)

FEB 14 1994
CANCELLED BECAUSE OF FAILURE OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT
STATE ENGINEER

(PERMIT TERMS CONTINUED)

An annual report for this well must be filed under this permit describing the amount of geothermal fluid consumed to a beneficial use for the calendar year. This report must also detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 4344 acre-feet annually but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 15% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto.

The total consumptive use of the geothermal fluid under Permit 48740 and 48741 is limited to only incidental fluid losses in the system and in no case shall it amount to more than 1089 acre-feet annually.

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

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.