№ 50837

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

Date of filing in State Engineer's Office APR 22 1987

Returned to applicant for correction

Corrected application filed

Map filed DEC 3 1979 under 39879

The applicant T. M. CHANG

520 El Camino Real (Street and No. or P.O. Box No.), of San Mateo (City or Town),

California 94402 (State and Zip Code No.), hereby makes 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.)

1. The source of the proposed appropriation is Underground Well (Geothermal No. 1) (Name of stream, lake, spring, underground or other source)

2. The amount of water applied for is 1.0 cfs second-feet (One second-foot equals 448.83 gals. per min.)

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

3. The water to be used for Commercial (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 SW¼ Section 13, T 19 N, R 18 E, MDB &M, or at a point from which the West ¼ corner of said Section 13 bears, N 84° 52' 33" W 2,499.0 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 Portions of SW¼ NW¼, SE¼ NW¼, NE¼ SW¼, NW¼ SE¼ Section 13, T 19 N, R 18 E, MDB &M. (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 well, install pump and motor, water lines to serve the new River Inn Hot Springs, Motel, Casino, Restaurant and R.V. Park. (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 $100,000.00

10. Estimated time required to construct works Two (2) years
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use Five (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 commercial use of waters previously applied for under Application 39879. The waters applied for will be comingled with water appropriated under Permit 27323, Certificate 9029, Permit 39879 and Permit 39880. The consumptive use of the River Inn Hot Springs Project is estimated to be 100 acre feet per year.

T. M. CHANG
By s/Thomas J. Hall
Thomas J. Hall,
P. O. Box 3948
Reno, Nevada 89505

Compared bc/bl am/se

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 accurately 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.

A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of the water placed to beneficial use. The totalizing meter must be installed before any use of the water begins or before the Proof of Completion of Work is filed. The State retains the right to regulate the use of water herein granted at any and all times.

The total combined duty of water under Permits 27323, Certificate 9029; 50836 and 50837 shall not exceed 125 acre-feet annually.

The production 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 diverted and used beneficially for commercial
(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 1.0 cubic feet per second, but not to exceed 100 acre-feet annually.

Work must be prosecuted with reasonable diligence and be completed on or before January 15, 1994.

Proof of completion of work shall be filed on or before February 15, 1994

Application of water to beneficial use shall be made on or before January 15, 1997

Proof of the application of water to beneficial use shall be filed on or before February 15, 1997

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

Completion of work filed SEP 19 1994

Proof of beneficial use filed

Cultural map filed

Certificate No. Issued

IN TESTIMONY WHEREOF, I R. MICHAEL TURNIPSEED, P.E. State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 6th day of May, A.D. 19 92

State Engineer

218 (Rev.)

(PERMIT TERMS CONTINUED)

purposes and fresh, cold water aquifers are not to be diverted. 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 is issued for the development of a well to extract geothermal fluids from a geothermal reservoir only and not from the cold, fresh water aquifer. Therefore, any attempt to change this permit for the geothermal source to a fresh water source will be considered to be a change in the source of water.

Water quality samples shall be taken from each geothermal well and from the river at the point of diversion of Permit 27323 and analyzed for total dissolved solids, pH, temperature, sulfates, chlorides, calcium, iron and bicarbonates. These water quality samples shall be taken on a quarterly basis and reported to the State Engineer along with the amount of water pumped and used from Permits 27323, 39879, 39880, 50836 and 50837 within 15 days after the end of each calendar quarter.

Based on the water quality analyses, if the State Engineer determines that the geothermal wells are pumping anything other than geothermal fluids, further restrictions on pumping will be considered.