

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

Date of filing in State Engineer's Office JUN 27 1983
Returned to applicant for correction JUL 12 1983
Corrected application filed SEP 8 1983
Map filed SEP 8 1983 under 47029

The applicant AMAX Exploration, Inc.
1707 Cole Boulevard, of Golden, Colorado 80401
Street and No. or P.O. Box No. City or Town 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.) Incorporated in the State of Delaware, December 12, 1977 as AMAX Exploration and Development, Inc.; name changed on January 12, 1978 to AMAX Exploration, Inc.

1. The source of the proposed appropriation is underground - Well No. 24-33
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 8.96 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 commercial power generation
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") geothermal production

(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: SW 1/4 NW 1/4 Section 33, T.1N., R.38 1/2 E., M.D.B. & M., or at a point which bears S. 51° 43' W., a distance of 8,740' to the NE corner of Section 6, T.1S., R.39E., M.D.B. & M.

6. Place of use SW 1/4 NW 1/4 Section 33, T.1N., R.38 1/2 E., M.D.B. & M.

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.) Geothermal Well

9. Estimated cost of works \$1. to \$1.5 million

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 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.

Production well to develop geothermal resources. There will be no consumptive use under this application.

By s/James P. Haddan  
JAMES P. HADDAN, P.E., R.L.S., Agent  
1807 North Nevada Street  
Carson City, Nevada 89701

Compared by bl/dcb dc/br

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 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 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.

PERMIT TERMS CONTINUED ON NEXT PAGE

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 8.96 cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before February 29, 1987

Proof of completion of work shall be filed before March 29, 1987

Application of water to beneficial use shall be made on or before February 29, 1992

Proof of the application of water to beneficial use shall be filed on or before March 29, 1992

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

Completion of work filed \_\_\_\_\_ IN TESTIMONY WHEREOF, I, PETER G. MORROS,

Proof of beneficial use filed \_\_\_\_\_ State Engineer of Nevada, have hereunto set my hand and the seal of

Cultural map filed \_\_\_\_\_ my office, this 29th day of MARCH,

Certificate No. \_\_\_\_\_ Issued \_\_\_\_\_ A.D. 19 84

*(Signature of Peter G. Morros)*  
State Engineer

218 (Rev.)

FEB 21 1992

*(Signature)*  
STATE ENGINEER

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 6485.2 acre-feet per year but the total consumptive use of the geothermal fluid is limited to 1297.0 acre-feet per year.

