

SECOND AMENDED  
APPLICATION FOR PERMIT

No 47036

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office ~~JUN 27 1983~~ NEW PRIORITY DATE: Sept. 28, 1992  
Returned to applicant for correction JUL 12 1983  
Corrected application filed SEP 9 1983  
Map filed SEP 9 1983 under 47035

The applicant AMAX Exploration, Inc.  
1707 Cole Boulevard, of Golden, Colorado 80401, 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.) December 12, 1977 - Delaware

1. The source of the proposed appropriation is Underground Well No. 41-16  
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 8.96 cfs second-foot  
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 Geothermal Purposes  
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") Commercial Power Generation

(d) Power:

(1) Horsepower developed Unknown till production well is drilled and tested

(2) Point of return of water to stream N/A

5. The water is to be diverted from its source at the following point: NE 1/4 NW 1/4 Section 16, T 41 N, R 52 E, MDM, at a point from which the NW corner of said Section 16 bears N 87° 40' W 2400 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 NE 1/4 NW 1/4 Section 16, T 41 N, R 52 E, MDM  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about January 1 and end about December 31, of each year.  
Month and Day Month and Day

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.) drilled and cased well, equipped with motor, pump, proper seals and pipeline to place of use  
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 \$1.5 million

10. Estimated time required to construct works 3 years  
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use 10 years

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Estimated consumptive use: 8.96 cfs x 24 hr./day x 365 days/year =  
6487 ac.ft./A. However, it is unknown at this time if only steam/heat will  
be extracted.

Please send copies of all notices and correspondence to undersigned agent.

By s/ Michael Buschelman  
Agent  
421 Court  
Elko, Nevada 89801

Compared br/bc br/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 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)

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 April 18, 1987

Proof of completion of work shall be filed before May 18, 1987

Application of water to beneficial use shall be made on or before April 18, 1992

Proof of the application of water to beneficial use shall be filed on or before May 18, 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  
my office, this 18th day of APRIL

Cultural map filed

A.D. 1984

Certificate No. Issued

*Peter G. Morros*  
State Engineer

218 (Rev.)  
CANCELLED JUL 27 1992 BECAUSE OF FAILURE  
OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT  
*Michael J. ...* STATE ENGINEER  
Can. Rescinded 11-2-95

CANCELLED JUL 1 1998 BECAUSE OF FAILURE  
OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT  
*Michael J. ...* 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 6463.94 acre-feet per year but the total consumptive use of the geothermal fluid is limited to 1297.0 acre-feet per year.

