

APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED

Date of filing in State Engineer's Office DEC 19 1980

Returned to applicant for correction .....

Corrected application filed ..... Map filed MAR 18 1981

The applicant Elko Heat Company

c/o Chilton Engineering 421 Court of Elko  
Street and No. or P.O. Box No. City or Town

Nevada 89801 hereby make S application for permission to change the  
State and Zip Code No.

point of diversion of a portion

of water heretofore appropriated under Permit 35612

(Identify existing right by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and identify right in Decree.)

1. The source of water is Underground  
Name of stream, lake, underground, spring or other source.

2. The amount of water to be changed 1.5 cfs  
Second feet, acre feet. One second foot equals 448.83 gallons per minute.

3. The water to be used for commercial use-heat extraction  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.

4. The water heretofore used for commercial use-heat extraction  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.

5. The water is to be diverted at the following point SW $\frac{1}{4}$  SW $\frac{1}{4}$  Section 15, T34N, R55E, MDM,  
at a point from which the SW corner of said Section 15 bears  
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  
S 62° 12' W 946 feet  
stated.

6. The existing point of diversion is located within NW $\frac{1}{4}$  SE $\frac{1}{4}$  of Section 15, T34N, R55E,  
MDM, at a point from which the SE corner of said Section 15 bears  
If point of diversion is not changed, do not answer.  
S 34° 30' E 2,480 feet

7. Proposed place of use Same as existing  
Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.

8. Existing place of use Sections 9, 10, 11, 14, 15, 16, 21, 22, and N $\frac{1}{2}$  of  
Describe by legal subdivisions. If presently used for irrigation, state number of acres irrigated.  
Section 23, all in T34N, R55E, MDM (City of Elko)

9. Use will be from January 1 to December 31 of each year.  
Month and Day Month and Day

10. Use has been from January 1 to December 31 of each year.  
Month and Day Month and Day

11. 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 well with solid casing and  
State manner in which water is to be diverted, whether by dam or other works,  
cemented below cold water zones to a minimum of 700 to 800 feet  
whether through pipes, ditches, flumes, or other conduits.

- 12. Estimated cost of works..... \$100,000
- 13. Estimated time required to construct works..... 3 years
- 14. Estimated time required to complete the application of water to beneficial use..... 5 years
- 15. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Water will be used for Heat Extraction from geothermal sources for space heating, service hot water and process heat. We are unable to determine if there will be a consumptive use at this time. Present plans call for reinjection.

Compared ha/b1 bc/b1 Applicant.....

By s/William A. Nisbet  
Agent.....

421 Court  
Elko, Nevada 89801  
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 to change the point of diversion of a portion of the waters of an underground source as heretofore granted under Permit 35612 is issued subject to the terms and conditions imposed in said Permit 35612 and with the understanding that no other rights on the source will be affected by the change proposed herein. The well shall be equipped with a 2-inch opening and a measuring device must be installed in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. If the well is flowing, a valve must be installed and maintained to prevent waste. 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 diverted and used beneficially for heating purposes only and fresh, cold water aquifers are not to be diverted.

The used geothermal fluids are to be returned to the source.

Applications to change the manner of use to a consumptive use may be filed and duly considered.

The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to exceed 1.5 cubic feet per second, but not to exceed a total of 7,240 acre-feet annually from Permits 39050, 39051, 39052, 39053, 35612, 39054 and 42981, Combined.

Actual construction work shall begin on or before..... N/A

Proof of commencement of work shall be filed before..... N/A

Work must be prosecuted with reasonable diligence and be completed on or before..... August 16, 1982

Proof of completion of work shall be filed before..... September 16, 1982

Application of water to beneficial use shall be made on or before..... August 16, 1985

Proof of the application of water to beneficial use shall be filed on or before..... September 16, 1985

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

Commencement of work filed.....  
Completion of work filed..... OCT 1 1982  
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 16th day of SEPTEMBER,  
A.D. 1981  
Peter G. Morros  
State Engineer