

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 1 1987

Returned to applicant for correction

Corrected application filed Map filed DEC 1 1987

The applicant Brady Hot Springs Geothermal Associates

1755 East Plumb Lane, Suite 256A of Reno Nevada 89502

hereby make application for permission to change the Point of Diversion and Place of Use

of water heretofore appropriated under Permit 47168

1. The source of water is Underground

2. The amount of water to be changed 5.0 CFS (see remarks)

3. The water to be used for Industrial and Domestic

4. The water heretofore permitted for Industrial and Domestic

5. The water is to be diverted at the following point within the NW 1/4 NE 1/4 Section 12, T.22N., R.26E., M.D.M. or at a point from which the North 1/4 corner of said Section 12 bears N.06°11'13"W. a distance of 1156.77 Feet. (well 51-12P)

6. The existing permitted point of diversion is located within the SE 1/4 SW 1/4 Section 12, T.22N., R.26E., M.D.M. or at a point from which the South 1/4 corner of said Section 12 bears S.32°54'19"E., a distance of 1214.91 feet. (well MGI-3)

7. Proposed place of use Section 12, T.22N., R.26E., M.D.M.; NE 1/4 Section 1, T.22N., R.26E., M.D.M. : S 1/2 SE 1/4

8. Existing place of use Section 12, T.22N., R.26E., M.D.M. : ALL

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

10. Use was permitted from January 1 to December 31 of each year

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.) Geothermal well and piping (see plans filed with Applications 51160 and 51161)

12. Estimated cost of works \$250,000

13. Estimated time required to construct works two years

14. Estimated time required to complete the application of water to beneficial use.....five years.....

15. 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 made to provide production and cooling water for a geothermal power plant and associated uses.
.....~~Water from this well will be comingled with other geothermal wells.~~.....
The estimated withdrawal from this well is 1233.5 acre feet per year
.....~~(one-half the combined withdrawal from Permits 47166 and 47168).~~.....
The estimated consumptive use is estimated to be 20% or 246.7 acre feet or approximately 153 gallons per minute, 24 hours per day 7 days per week throughout the year.

By s/Thomas A. Foote
Thomas A. Foote, Agent
160 Hubbard Way
Reno, NV 89502

Compared jjk/se 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 to change the point of diversion and place of use of the geothermal fluid heretofore granted under Permit 47168 is issued subject to the terms and conditions imposed in said Permit 47168 and with the understanding that no other rights on the source will be affected by the change proposed herein.

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 well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and 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 (CONTINUED ON PAGE 2)

The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to exceed 5.0 cubic feet per second:.....

Work must be prosecuted with reasonable diligence and be completed on or before December 23, 1992

Proof of completion of work shall be filed before January 23, 1993

Application of water to beneficial use shall be made on or before December 23, 1993

Proof of the application of water to beneficial use shall be filed on or before January 23, 1994

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

Completion of work filed..... IN TESTIMONY WHEREOF, I R. MICHAEL TURNIPSEED, P.E.
State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed..... my office, this 5th day of April

Cultural map filed..... A.D. 19 91

Certificate No..... Issued.....

State Engineer

 2407 (Rev. 6-81)

Abrogated By 57244 5.0 CFS

57784 T 0-107 exp 6-23-97

(PERMIT TERMS CONTINUED)

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 fluids to the source must be submitted together with the Proof of Completion.

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

The total combined withdrawal of the geothermal fluid under Permits 47166 and 51592 shall be limited to 2467 acre-feet per year 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 20% 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. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This permit is further subject to the terms and conditions set forth in the State Engineer's ruling #3294 dated December 20, 1985.