50278

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

Date of filing in State Engineer's Office OCT 14 1986

Returned to applicant for correction

Corrected application filed

Map filed

The applicant Trans-Pacific Geothermal Corporation

1330 Broadway, Suite 1525 (Street and No. or P.O. Box No.), of Oakland (City or Town),

CA 94612 (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 on 10/15/85 at Reno, NV

1. The source of the proposed appropriation is the Stillwater geothermal reservoir
(Name of stream, lake, spring, underground or other source)

2. The amount of water applied for is 3.6 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 Geothermal & Industrial
(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 10 mw electric

(2) Point of return of water to stream spent geothermal brine will be reinjected into geothermal reservoir

5. The water is to be diverted from its source at the following point located in the SE¼ of SE¼ Sec. 36,
(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.)
T 20 N, R 30 E, MDB&M; from said point the NE corner of Sec. 1, T 19 N, R 30 E, MDB&M bears S 12° 01' 38" E a distance of 720.00 feet.

6. Place of use See Exhibit "A" attached
(Describe by legal subdivision. If on unsurveyed land, it should be so stated.)

7. Use will begin about Jan. 1 (Month and Day) and end about Dec. 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.) Geothermal well as per attached schematic diagram. Well will produce by self-induced flashed flow.
(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 $250,000.00

10. Estimated time required to construct works 30 days
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use 1 year

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

Produced water will be used to operate a hybrid flashed steam-binary power plant. 10% of the produced fluid will be consumed in the power plant cooling tower. 90% of the produced fluid will be reinjected into the geothermal reservoir. The total annual consumptive use will be 774 acre-feet.

By William T. Teplow
1330 Broadway, Suite 1525
Oakland, CA 94612

Compared jjk/bl

Protested

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:

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

Work must be prosecuted with reasonable diligence and be completed on or before

Proof of completion of work shall be filed before

Application of water to beneficial use shall be made on or before

Proof of the application of water to beneficial use shall be filed on or before

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

Completion of work filed

Proof of beneficial use filed

Cultural map filed

Certificate No. Issued

IN TESTIMONY WHEREOF, I State Engineer of Nevada, have hereunto set my hand and the seal of my office, this day of , A.D. 19

State Engineer

218 (Rev.)

CANCELLED NOV 2 0 1986 BECAUSE OF FAILURE OF APPLICANT TO SUBMIT STATUTORY FEES.

STATE ENGINEER

See Ruling #3399

JK

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EXHIBIT A

No. 6 - Place of Use

Sec. 15, 16, E½ of E½ & SW¼ of SE¼ & S½ of SW¼, Sec. 17; E½ of NE¼ & SE¼ of SE¼, Sec. 19; Sec. 20, 21, W½, Sec. 22; NW¼ of NW¼, Sec. 27; W3/4 & E½ of NE¼, Sec. 28; Sec. 29; E3/4 Sec. 30; Sec. 31, 32; W½ of W½ & NE¼ of NW¼, Sec. 33, T 20 N, R 31 E, MDB&M.

SW¼ & S½ of SE¼, Sec. 36, T 20 N, R 30 E, MDB&M

Sec. 1; S½ & E½ of NE¼, Sec. 2; E½ & SW¼, Sec. 11; Sec. 12, 13,14; E3/4 & W½ of SW¼ & SW¼ of NW¼, Sec. 23; Sec. 24; W3/4 & E½ of NE¼ & NE¼ of SE¼, Sec. 26; Sec. 27; E½ of E½, Sec. 28, T 19 N, R 30 E, MDB&M.

W½ of NW¼ & NW¼ of SW¼, Sec. 4; Sec. 5, 6, 7, 8; NW¼ of NW¼ & S½ of NW¼, Sec. 17; W3/4 & E½ of NE¼ & NE¼ of SE¼ Sec. 18; W½ of NW¼ & NW¼ of NE¼ & S½ of NE¼ Sec. 19, T 19 N, R 31 E, MDB&M.