

APPLICATION FOR PERMIT TO DRILL A GEOTHERMAL WELL
(To be accompanied by a \$25.00 permit fee for new wells only and a surety bond conditioned as provided by law.)

San Francisco, CA ~~XXXXXX~~ May 13, 19 76

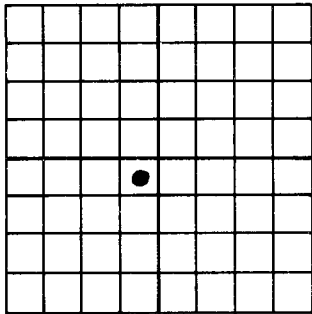
Department of Geology and Mineral Industries
Portland, Oregon 97201

In compliance with rules and regulations pursuant to ORS 522 (Chapter 776 OL 1971) application is hereby made for permit to drill

a (new well / prospect well): THERMAL POWER COMPANY O'CONNOR RANCH
(company or operator) (lease)

Well No. 1 in SW/4 of sec. 35, T. 40 South, R. 9 East W. B. & M.,

Klamath Hills Area ~~XXXX~~ Klamath County.



Section of land
Area 640 acres

This well is 2280 feet (N) ~~(S)~~ of the South line and 2100 feet
(E) ~~(W)~~ of the West line of Sec. 35.

(Give location from section or other legal subdivision lines or corners; cross out wrong directions.)

Elevation of ground above sea level is + 4220 feet. All depth measurements are taken from
top of Kelly bushing, which is + 14' above ground.

The lessee is Thermal Power Company

Address 601 California Street, San Francisco, CA 94108

The lessor is O'Connor Livestock Co. et al

LOCATE WELL CORRECTLY Address Klamath Falls, Oregon

We propose to use the following strings of casing and to land or cement them as herein indicated:

Size of hole	Size of casing	Weight in pounds per foot	Grade and type	New or second hand	Depth	Landed or cemented No. sacks cement
40" 27 1/2"	30" 20"	- 94	H-40 Buttress	New	40' 500'	Cem. to surface 1100 sack cem.
17 1/2"	13-3/8"	61 and 54.5	K-55 ST&C	"	2500'	2531 sack cem.
12 1/4"	9-5/8" *	40	N-80 LT&C	"	*	*
10-5/8"	7" *	23,26 and 29	N-80 LT&C	"	**	**

Method of drilling: rotary X, cable _____, other _____.
Proposed objectives: Geothermal reservoir.
Proposed total depth of 8000 feet.

* 9-5/8" casing will be run only if hole conditions require.
** 7" casing will be run only if required for well evaluation.

Approved June 11, 1976
except as follows:
Dept Enviro Qual stipulations of Sept 2, 1975 are a condition of this permit.
DEPT. OF GEOLOGY & MINERAL INDUS.
By [Signature]
State Geologist

THERMAL POWER COMPANY
Company or operator
By [Signature] W. L. D'Olier Vice President
position
Send communications regarding well to:
Name W. L. D'Olier
Address THERMAL POWER COMPANY
601 California Street, San Francisco, CA 94108