

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.)

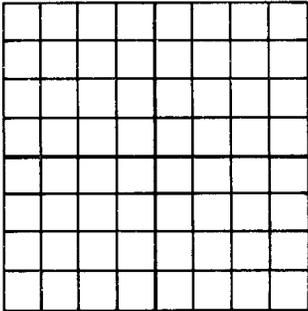
Portland, Oregon Oct 15, 19 77

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): Phillips Petroleum Company 12953  
(company or operator) (lease)

Well No. \_\_\_\_\_ in SE, NW, NE of sec. 33, T. 23S, R. 23E W. B. & M.,  
Field, Lake County.



Section of land  
Area 640 acres

This well is 1320 feet (N) (S) of the north line line and 1584 feet  
(E) (W) of the east line of Section 33.

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

Elevation of ground above sea level is 4850 feet. All depth measurements are taken from  
top of rotary table, which is six feet above ground.

The lessee is California Geothermal

Address 12352 Escala Dr. Rancho Bernardo, San Diego, California 92128

The lessor is Bureau of Land Management

LOCATE WELL CORRECTLY Address \_\_\_\_\_

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
8 1/2"	7"	23.5	Standard	New	150'	Cemented 100 sacks
6 1/4"					2000'	

Method of drilling: rotary X, cable \_\_\_\_\_, other \_\_\_\_\_.

Proposed objectives: Complete the hole as a temperature gradient hole, measure static water level, observe the subsurface geology

Approved Oct 15, 19 77  
except as follows:

DEPT. OF GEOLOGY & MINERAL INDUS.  
By W.C. Newton Jr. Petrol Eng Director

Phillips Petroleum Company  
company or operator

By Walter R. Benoit Geologist  
position

Send communications regarding well to:

Name Walter R. Benoit

Address P. O. Box 10566  
Reno, Nevada 89510