

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland, Oregon 97201

APPLICATION FOR PERMIT TO DRILL A GEOTHERMAL WELL
(To be accompanied by a \$100.00 permit fee for new wells only and a surety bond conditioned as provided by law.)

Deschutes County, Oregon July 3, 1984

In compliance with rules and regulations pursuant to ORS 522 (Chapter 552 OL 1975) application is hereby made for permit to drill a geothermal well: OCCIDENTAL GEOTHERMAL, INC.

(company or operator) (lease)

Oxy Newberry Crater

Well No. #1 in NW/4 of sec. 28 T. 21S, R. 12E W. B. & M.,
N/A Field, Deschutes County.

Survey Coordinates: 1650' FNL & 2310 FWL, Section 28, T21S., R12E., W.B.&M.

Elevation of ground above sea level is 6200[±] feet. All depth measurements are taken from top of ground level, which is N/A above ground.

Lessee: N/A Well to be drilled on unleased ground owned by

Address: " U. S. Department of the Interior.

Lessor: "

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
6.25"	5-1/2"	14#	J-55 ST&C	New	40'	55X
4.827"	4-1/2"	10-3/4#	FJ	New	400'	20SX
3.782"	3-1/2"	5-1/10#	HQ rods	Used	4000' [±]	landed
2.980'	2-3/4"	2-3/4#	J-55 I.J.	2nd Hand	4000' [±]	landed

Proposed Depth: 4000' Objectives: Collect temperature information.

OCCIDENTAL GEOTHERMAL, INC.

company or operator

By T. K. Linscott, Land Manager
position

Send communications regarding well to:

Name T. K. LINSOTT

Address 5000 Stockdale Highway

Bakersfield, California 93309

Approved August 6, 19 84
except as follows:

The January 1984 stipulations approved by the State Geologist are conditions of this permit.

DEPT. OF GEOLOGY & MINERAL INDUSTRY

By [Signature]
Petroleum Engineer

NOTE: This permit is valid only if land use approval is obtained from the county or city in which the drilling takes place, and provided these authorities make a determination of compliance with statewide goals.

Issuance of this permit is not a finding of compliance with the Statewide Planning Goals or the acknowledged comprehensive plan. Permit expires one year from date of issue.