

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

RECEIVED  
AUG 18 1983

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 15 Aug., 1983

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)

Well No. 76-34 in NE/4 of sec. 34 T. 21S, R. 12E W. B. & M.,  
N/A Field, Deschutes County.

Survey Coordinates: 4100' FWL & 1400 FSL, Section 34, T. 21S., R. 12E., W.B. & M.  
NEW LOC: SEC 3, T 22 S., R. 12E., 1/4 NE CORNER APPROX SEC 3, 3000' W 220

Elevation of ground above sea level is 6400± 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
6½"	5-1/2"	14.0	K-55	New	Surface to 40'	to Surface
4.827"	4-1/2"	9.0	K-55	New	Surface to 300'	to Surface
3.782"	3-1/2"	7.7	K-55	New	Surface to 1500'	None
2.980"	2-3/4"	5.1	K-55	New	Surface to 3000'	None

Proposed Depth: 3000' Objectives: Evaluate the down hole stratigraphy and collect temperature information.

Approved September 13, 19 83  
except as follows: The January 1983 stipulations approved by the Governing Board of this Department are conditions of this permit.  
DEPT. OF GEOLOGY & MINERAL INDUSTRY  
By [Signature]  
Petroleum Engineer

OCCIDENTAL GEOTHERMAL, INC.  
company or operator  
By [Signature], Division Landman  
position  
Send communications regarding well to:  
Name T. K. LINSOTT  
Address 5000 Stockdale Highway  
Bakersfield, California 93309

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.