

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

1005 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.)

DATE 8/15/83

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: Sandia National Laboratory  
(company or operator) (lease)

Well No. PD0-1 in SW 1/4 of sec. 31, T. 21S, R. 13E W.B.&M.,  
Field, Deschutes County.

Survey Coordinates 1000' N & 1000' E of SW corner of  
Sec. 31

Elevation of ground above sea level is 6420 feet. All depth measurements are taken from top  
of ground level, which is \_\_\_\_\_ above ground.

Lessee Sandia National Laboratory

Address Albuquerque NM 87185

Lessor Drilling is under a special use permit granted by

Address Deschutes Nat. Forest, Fort Rock District

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
15"	10 3/4"			new or used	22'	backfill
9 7/8"	8 5/8"	28	H-40 or better	new	500'	100 sacks
6"	4 1/2"	9.5	" "	"	2000'	200 sacks

Proposed Depth final depth 5000' or less Objectives Scientific Research  
Well

Approved September 15, 19 83  
except as follows: The January 1983 stipulations approved by the Governing Board of this Department are conditions of this permit.  
  
DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES  
By Alan Z. Mustard  
Petroleum Engineer

Sandia Nat. Laboratory  
company or operator  
By Peter Lyne - Research Drilling  
position officer  
Send communications regarding well to:  
Name Dr. P. C. Lyne  
Address Sandia - 6241  
Albuquerque NM 87185

NOTE: This permit expires one year from date of issue. 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.

Phone  
(505) 846-6328