

STATE OF OREGON
 DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
 910 State Office Building Portland, OR 97201

Permit No.: G-182
 API #: 36-017-90041

APPLICATION FOR PERMIT TO DRILL A GEOTHERMAL WELL

(To be accompanied by a \$250 permit fee for new wells and a surety bond conditioned as provided by law.)

DATE 09/19/95

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: C.E. Exploration OR45505 88-21 (28-22)
 (Company or Operator) (Lease) (Well No.)

in SE 1/4 of Sec. 21, T 21S, R 12E W.B.&M., Newberry Field, Deschutes County. Survey Coordinates: From SE corner, 323' N, 204' W.

Elevation of ground above sea level is _____ feet. All depth measurements are taken from top of Kelly Bearing, which is 30' above ground.

Lessee: C.E. Exploration
 Address: 34 NW First St., Ste. 302, Portland OR 97209
 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/Type	New or Secondhand	Depth	Landed or cemented No. sacks cement
36"	30"	.328 wall	X65	New	85' GL	To surface
26"	20"	94#	K55 Buttress	New	800' GL	To surface
17-1/2"	13-3/8"	68/72#	K55/L80 Buttress	New	4500' GL	To surface
12-1/4"	9-5/8"	36#	Slotted liner	New	TD	

Proposed Depth 10,000' Objectives Drill directionally east to TD of 10,000'

Approved Nov. 9, 19 95
 except as follows:
SEE LETTER OF NOV. 9, 1995,
ENCLOSED

DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES
 By Dennis L. O'Neil
 Petroleum Engineer

Company/Operator C.E. Exploration
 Signature Dave W. McClain
 Position Project Manager
 Date 9/21/95

SEND WELL COMMUNICATION TO:
 Name Dave McClain
 Address 34 NW First St., Ste. 302, Portland OR 97209
 Phone () (Day) () (Night)

NOTE: This permit expires 180 days from date of issue. Land use approval must be obtained from the county or city in which the drilling takes place. Issuance of this permit is not a finding of compliance with the Statewide Planning Goals or the acknowledged comprehensive plan.