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 5-01-85

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: GEO Operator Corp. for GEO-Newberry Crater, Inc. (company or operator)
(lease) Newberry Flank
Well No. N-1 in _____ of sec. 25 , T. 22 S , R. 12E W.B.&M.,
Newberry Field, Deschutes County.
Survey Coordinates 3500' west and 2450' north of the southeast corner of Section 25.

Elevation of ground above sea level is 5850' (GR) feet. All depth measurements are taken from top
of , which is above ground.

Lessee GEO-Newberry Crater Inc./GEO Operator Corporation
Address 545 Middlefield Road, Suite 200, Menlo Park, CA 94025

Lessor Department of the Interior, Bureau of Land Management
Address 825 NE Multnomah St., Portland, Oregon 97208

We propose to use the following strings of casing and to land or cement them as herein indicated:

<table>
<thead>
<tr>
<th>Size of hole</th>
<th>Size of casing</th>
<th>Weight in pounds per foot</th>
<th>Grade and type</th>
<th>New or second hand</th>
<th>Depth</th>
<th>Landed or cemented No. sacks cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8&quot;</td>
<td>4 1/2&quot;</td>
<td>6.4#</td>
<td>F-55</td>
<td>NEW</td>
<td>surf to 400'</td>
<td>25 CU FT</td>
</tr>
<tr>
<td>3 7/8&quot;</td>
<td>2 3/4&quot;</td>
<td>6.4#</td>
<td>J-55</td>
<td>NEW</td>
<td>surf to 4000'</td>
<td>147 CU FT</td>
</tr>
<tr>
<td></td>
<td>2 3/4&quot;</td>
<td></td>
<td></td>
<td></td>
<td>CEMENT</td>
<td></td>
</tr>
</tbody>
</table>

Proposed Depth 4000' Objectives Obtaining core samples/temperature

Approved July 8, 1985, except as follows:
The January 1984 stipulations approved by the State Geologist are conditions of this permit.

DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES
By Petroleum Engineer

GEO Operator Corporation
By Michael J. Cale

Address 2300 County Center Drive Suite 250
Santa Rosa, CA 95401

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.