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 January 8, 1987

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-NEWBERRY CRATER, INC., NEWBERRY FLANK UNIT (company or operator)


Survey Coordinates 2750' south and 2188' west of the northeast corner

Elevation of ground above sea level is 6280 feet. All depth measurements are taken from

<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>7-7/8&quot;</td>
<td>4-1/2&quot;</td>
<td>10.7</td>
<td>A-53</td>
<td>New</td>
<td>Surf to 5000, 114 Cu Ft</td>
<td></td>
</tr>
<tr>
<td>3-25/32&quot;</td>
<td>1-1/2&quot;</td>
<td>2.9</td>
<td>J-55</td>
<td>New</td>
<td>Surf to 5000, 320 Cu Ft</td>
<td></td>
</tr>
</tbody>
</table>

Objectives Core samples and geo-physical logs

GEO-OPERATOR CORPORATION
By [Signature] Sr. Env. Coordinator
Name MICHAEL J. CALE
Address 1330 NORTH DUTTON AVENUE, SUITE A
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.