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 July 3, 1984

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 GEOHERMAL, INC.

Company or operator) (lease)

Oxy Newberry Crater

Well No. #1 in sec. 28 T. 21S., R. 12E, W. B. & M., Field, Deschutes County.

Survey Coordinates: 1650' FNL & 2310 FWL, Section 28, T21S., R12E., W.B.&M.

Elevation of ground above sea level is 6200 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:

<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</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.25&quot;</td>
<td>5-1/2&quot;</td>
<td>14#</td>
<td>J-55 ST&amp;C</td>
<td>New</td>
<td>40'</td>
<td>55X</td>
</tr>
<tr>
<td>4.827&quot;</td>
<td>4-1/2&quot;</td>
<td>10-3/4#</td>
<td>FJ</td>
<td>New</td>
<td>400'</td>
<td>20SX</td>
</tr>
<tr>
<td>3.782&quot;</td>
<td>3-1/2&quot;</td>
<td>5-1/10#</td>
<td>HQ rods</td>
<td>Used</td>
<td>4000' landed</td>
<td></td>
</tr>
<tr>
<td>2.980&quot;</td>
<td>2-3/4&quot;</td>
<td>2-3/4#</td>
<td>J-55 I.J.</td>
<td>2nd Hand</td>
<td>4000' landed</td>
<td></td>
</tr>
</tbody>
</table>

Proposed Depth: 4000'

Objectives: Collect temperature information.

Approved August 6, 1984

EXCEPT AS FOLLOWS:

The January 1984 stipulations approved by the State Geologist are conditions of this permit.

DEPT. OF GEOLOGY & MINERAL INDUSTRY

By: [Signature]

Petroleum Engineer

OCCIDENTAL GEOHERMAL, INC.

By: [Signature]

Land Manager position

Send communications regarding well to:

Name: T. K. LINSOFT

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. Issuance of this permit is not a finding of compliance with the Statewide Planning Goals or the acknowledged-comprehensive-plan. Permit expires one year from date of issue.