STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building
Portland, Oregon 97201

APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS WELL OR STRATIGRAPHIC HOLE
(To be accompanied by a $100 permit fee for new wells only and a surety bond conditioned as provided by law.)

Portland, Oregon July 17, 1984

In compliance with rules and regulations pursuant to ORS 520 (Chapter 296 OR 1977) application is hereby made for permit to drill a [new well] [stratigraphic hole] to be known as Reichhold Energy Corp./Columbia County
Well No. 23-4 in SW¼ of Sec. 4, T. 6N, R. 5W, W.B.&M., Field, Columbia County.
Survey Coordinates: 1500'N & 2250'E of SW¼, Sec. 4, T6N; R5W

Elevation of ground above sea level is 725 feet. All depth measurements are taken from top of Kelly Bushing, which is 11.4 feet above ground.

Lessee: REICHHOLD ENERGY CORPORATION
Address: 1410 SW Marlow Avenue, Portland, OR 97225
Lessor: COLUMBIA COUNTY
Address: County Courthouse, St. Helens, OR 97051

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. of sacks cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>12½</td>
<td>8 5/8</td>
<td>24#</td>
<td>K-55</td>
<td>New</td>
<td>350</td>
<td>190</td>
</tr>
<tr>
<td>7 7/8</td>
<td>5½</td>
<td>15.5#</td>
<td>K-55</td>
<td>New</td>
<td>3000</td>
<td>350</td>
</tr>
</tbody>
</table>

Proposed Depth: 3000'

Objectives: Clark & Wilson Sand

Approved August 9, 1984

except as follows:
The January 1984 stipulations approved by the State Geologist are conditions of this permit.

DEPT. OF GEOLOGY & MINERAL INDUSTRY
Petroleum Engineer

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.

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.