APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS WELL ON STRATIGRAPHIC HOLE

To be accompanied by a $100 permit fee for new wells only and a surety bond conditioned as provided by law.

In compliance with rules and regulations pursuant to ORS 550 (Chapter 296, ORS 1977) application is hereby made for permit to drill a new well (stratigraphic hole) to be known as American Quasar Petroleum Co. Crown Zellerbach (company or operator) (lease)

Well No. 29-14 in SW 1/4 SW 1/4 of Sec. 29, T. 6N, R. 4W W.B.&M., Wildcat Field, Columbia County.

Survey Coordinates: See attached plat.

Elevation of ground above sea level is 566.9 feet. All depth measurements are taken from top of Kelly bushing, which is 11.40' above ground.

Lessee: American Quasar Petroleum Co.

Address: 707 United Bank Center, 1700 Broadway, Denver, Colorado 80290

Lessor: Crown Zellerbach

Address: 1 Bush St., San Francisco, California 94104

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>9-7/8&quot;</td>
<td>7&quot;</td>
<td>23#</td>
<td>K-55</td>
<td>New</td>
<td>500'</td>
<td>Cmt. to surf.</td>
</tr>
<tr>
<td>6&quot;</td>
<td>4½&quot;</td>
<td>9.5#</td>
<td>K-55</td>
<td>New</td>
<td>5000'</td>
<td>200 sxx</td>
</tr>
</tbody>
</table>

Proposed Depth: 5,000' Objectives: Eocene

Approved October 23, 1979

except as follows: The February 27, 1979 stipulations approved by the Governing Board of the Department will be made a condition of this permit.

DEPT. OF GEOLOGY & MINERAL INDUSTRIES

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.