APPLICATION FOR PERMIT TO DRILL NEW WELL OR STRATIGRAPHIC HOLE
(To be accompanied by a $25.00 permit fee for new wells only and a surety bond conditioned as provided by law.)

Portland Oregon March 24, 1966

Department of Geology and Mineral Industries
Portland, Oregon

In compliance with rules and regulations pursuant to ORS 520 (Chapter 667 OL 1953) application is hereby made for permit to drill

a (new well ) to be known as Butte Oil of Oregon, Inc. - C. S. Kmudicn

Well No. Cowan No. 1 in Sec. 8, T. 1 S., R. 3 W. LEASE

South Forest Grove Area Field, Washington County

This well is Appro. 950 feet (F) (S) of the North line and 2000 feet (E) (W) of the West line of Section 8.

(Give location from section or other legal subdivision lines or corners. Cross out wrong directions)

Elevation of ground above sea level is 160 feet. All depth measurements are taken from top of , which is feet above ground.

The lessee is Butte Oil of Oregon, Inc.

Address 226 N.E. Morgan, Portland, Oregon

The lessor is Russell A. Cowan

Address Route 2, Box 479, Cornelius, Oregon

LOCATE WELL CORRECTLY

We estimate that the first productive oil or gas sand should occur at a depth of about feet.

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.</th>
<th>sacks cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-3/4&quot;</td>
<td>6&quot; ID</td>
<td>17</td>
<td>American</td>
<td>New</td>
<td>300' - 350'</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>6&quot;</td>
<td>4-1/2&quot; OD</td>
<td>16</td>
<td>American</td>
<td>New</td>
<td>300' - 1000'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We propose to drill with rotary tools.

If changes in the above plan become advisable we will notify you before cementing or landing casing.

Additional information including names of and expected depths to objective sands (Use additional sheets as needed):

I understand that this plan of work must receive approval in writing by the Director of the State Department of Geology and Mineral Industries.

Approved March 24, 1966

except as follows:

None

DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

W. Director

By (Submit in triplicate)