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 21, 1981

In compliance with rules and regulations pursuant to OHS 520 (Chapter 296 ORL 1977) application is hereby made
for permit to drill a new well (XOXOXXX) to be known as Oregon Natural Gas Development - Johnson
(lease)
Well No. 33-33 in SE 1/4 of Sec. 33, T. 8N, R. 8W, W.B.M.,
Olney Field, Clatsop County.
Survey Coordinates: 1900'W and 2050'N of SE corner, Sec. 33

Elevation of ground above sea level is 520 feet. All depth measurements are taken from top
of Kelly Bushing which is 14' above ground.

Lessee: Oregon Natural Gas Development Corp.
Address: 123 N.W. Flanders, Portland, OR 97209

Lessor: Howard B. and Virginia Johnson
Address: Rt. 1 Box 651, Astoria, OR 97103

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. sacks cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 3/4&quot;</td>
<td>10 3/4&quot;</td>
<td>40.5#</td>
<td>K-55</td>
<td>New</td>
<td>1000'</td>
<td>630 sacks</td>
</tr>
<tr>
<td>9 7/8&quot;</td>
<td>7&quot;</td>
<td>29#</td>
<td>K-55 &amp; N-80</td>
<td>New</td>
<td>10,000'</td>
<td>650 sacks</td>
</tr>
</tbody>
</table>

Proposed Depth: 10,000'
Objectives: Cowlitz Formation

Oregon Natural Gas Development Corp.

Approved: August 19, 1981

By Charles Stinson
Position Petroleum Engineer
Send communications regarding well to:
Name Charles Stinson
Address 123 NW Flanders
Portland, OR 97209

DEPT. OF GEOLOGY & MINERAL INDUSTRY

P. GEOLOGIST

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 those authorities make a determination of compliance with statewide goals.