STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
910 State Office Building Portland, OR 97201

WELL SUMMARY REPORT
(In compliance with rules and regulations pursuant to ORS 520)

ARCO Oil and Gas Company Columbia County 44-21

Company or Operator: (Lease:)
(Well No.)
Sec. 21 T. 6N R. 5W W.B.K. Surveyed Coordinates: 271.72' North

Wildcat: N/A (or) Field Name: Mist Gas County: Columbia

Elevation of ground above sea level is 869.6 feet. All depth measurements are taken from

Bushing, which is 10' above ground.

Date: 5-29-85

Signature: Kwang U. Park
Position: District Drilling Superintendent

Commenced drilling: 1-24-85 Completed drilling: 2-5-85 PA: N/A

Total depth: 6500' Redrill depth: N/A

Logs run: DIL, BHC Sonic, Neutron Density, Dipmeter, Cyberdip, CRL, CET, Mud Log

<table>
<thead>
<tr>
<th>Size of hole</th>
<th>Size of casing</th>
<th>Wt. in lbs. per ft.</th>
<th>Grade Type</th>
<th>Depth</th>
<th>Amount of cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>--</td>
<td>16&quot; Line Pipe as Conductor</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>N/A</td>
</tr>
<tr>
<td>12-1/4&quot;</td>
<td>9-5/8&quot;</td>
<td>360</td>
<td>K-55</td>
<td>990'</td>
<td>600 aaX</td>
</tr>
<tr>
<td>8-3/4&quot;</td>
<td>5-1/2&quot;</td>
<td>170</td>
<td>K-55</td>
<td>2138'</td>
<td>675 aaX</td>
</tr>
</tbody>
</table>

GEOLOGICAL MARKER DEPTH

Plugs: 2400' - 2200'
2138' - 2050'

Junk: None

<table>
<thead>
<tr>
<th>Size of casing</th>
<th>From</th>
<th>To</th>
<th>Shots/ft.</th>
<th>Method of Perforating</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-1/2&quot;</td>
<td>1890'</td>
<td>1905'</td>
<td>4 SPF</td>
<td>Jet X</td>
</tr>
<tr>
<td>5-1/2&quot;</td>
<td>1917'</td>
<td>1923'</td>
<td>4 SPF</td>
<td>Bullet X</td>
</tr>
<tr>
<td>5-1/2&quot;</td>
<td>1928'</td>
<td>1936'</td>
<td>4 SPF</td>
<td>Slotted Liner</td>
</tr>
</tbody>
</table>

INITIAL PRODUCTION


Poor shut-in 2-10-85.