# WELL SUMMARY REPORT

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

Atlantic Richfield Company  Columbia County  #23-19

(Company or operator)  (Lease)  (Well No.)

Sec. 19  T. 6N  R. 5W  W.B.& M. Surveyed Coordinates:

2097.60' East & 356.66' South of West 1/4 Corner

Wildcat:  --  (or)  Field Name:  Mist  County:  Columbia County

Elevation of ground above sea level is 754 feet. All depth measurements are taken from kelly bushing, which is 11' above ground.

Date:  Feb 10th, 1986  Signature:  [Signature]

Position:  District Drilling Superintendent

Commenced drilling:  7-1-85  Completed drilling:  7-10-85  P&A:  7-12-85

Total Depth:  3442'  Redrill depth:  --

Logs run:  DIL/SFL/Sonic, FDC/CNL/CR

<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>12-1/4&quot;</td>
<td>16&quot; conductor</td>
<td>9-5/8&quot;</td>
<td>K-55 STC</td>
<td>420'</td>
<td>250     ax</td>
</tr>
</tbody>
</table>

GEOLOGICAL MARKER  DEPTH

Plugs  0' - 50'

335' - 520'

2600' - 2850'

None

Junk

Method of Perforating

Perforations Op Liner

<table>
<thead>
<tr>
<th>Size of casing</th>
<th>From</th>
<th>To</th>
<th>Shots/ft.</th>
<th>Jet</th>
<th>Bullet</th>
<th>Slotted Liner</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

INITIAL PRODUCTION

<table>
<thead>
<tr>
<th>Date</th>
<th>Clean Oil bbl/day</th>
<th>Gravity</th>
<th>Percent Water</th>
<th>Gas MMcf/day</th>
<th>F.T.P.</th>
<th>F.C.P.</th>
<th>S.I.T.P.</th>
<th>S.I.C.P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>