Daily Well History - Final Report

Operator: ARCO Oil and Gas Company

Date and time: 06-29-89

Complete record for each day reported:

ALL MEASUREMENTS K3=11.6'  GROUND ELEVATION: 1150'

CASING DETAIL

<table>
<thead>
<tr>
<th>Casing</th>
<th>Top of Casing</th>
<th>Shoe Depth</th>
<th>Weight</th>
<th>Grade</th>
<th>New/Used</th>
<th>Hole Size</th>
<th>Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>400'</td>
<td>70 ppf</td>
<td>K</td>
<td>N</td>
<td>9-7/8'</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3500'</td>
<td>10.5ppf</td>
<td>K</td>
<td>N</td>
<td>6-1/4'</td>
<td>200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

E-Logs:

Gravel Pack: n/a

Slotted Liner:

Perforations:

Plugs:

S.W.S.:

Geological Markers:

Old TD: 3:30 p.m.

New TD: 06-29-89

Field: Mist

County or Parish: Columbia County

State: Oregon

API No.: 009-00084

Title: Installing Down-hole Packer

Signature: [Signature]

Date: 11-13-89

Title: District Gas Coordinator

Note: Number all data with history forms consecutively as they are prepared for each well.