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/Lined</th>
<th>Hole Size</th>
<th>*Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-3/8&quot;</td>
<td>Surface</td>
<td>40'</td>
<td>54.5#</td>
<td>J-55</td>
<td>Conduct</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9-5/8&quot;</td>
<td>Surface</td>
<td>465'</td>
<td>36#</td>
<td>K-55</td>
<td>New</td>
<td>12-1/4&quot;</td>
<td>250 cf</td>
</tr>
<tr>
<td>3-1/2&quot;</td>
<td>Surface</td>
<td>1480'</td>
<td>9.3#</td>
<td>J-55</td>
<td>New</td>
<td>6-1/4&quot;</td>
<td>280 sq</td>
</tr>
</tbody>
</table>

E-Logs: DIGL/AVL/GR/SP/CAL: CDL/DSN/GR/CAL & Dipmeter I/1480'-465'

Gravel Pack: N/A

Slotted Liner: N/A

Perforations: 4 HPF 1120'-1126'

Plug: N/A

S.W.S.: N/A

Geological Markers: Top C&W Sands = 1118' MD; Gas/Water Contact = 1140' MD; Top N-Shale = 1410' MD;

*Depth of Cementing (if through perforations): N/A

Old TD 1140'  PB Depth 1414'

Released 11/11/89  Type of Rig Rotary (Taylor #4)

Classification (oil, gas, etc.): GAS

Producng Method: SHUT-IN - AWAITING PIPELINE

Initial Oil Rate  Gas  Casing Pressure

Production After Oil Rate  Gas  Casing Pressure

10 Days

Signature: District Drilling Engineer

Arco Oil and Gas Company
P.O. Box 147
Bakersfield, CA 93302

Kwang U. Park
District Drilling Superintendent