Daily Well History - Final Report

District: WESTERN  
County or Parish: COLUMBIA  
State: OR

Field:  
Lease or Unit:  
Well no.:  
Auth. of W.O. no.:  
API #: 0090-00344  
NEW DRILL

Operator: ARCO OIL AND GAS COMPANY  
Spud Date: 10/01/88  
SPUDDED: 2000 hrs  

Date and depth:  
As of 8:00 a.m.

ALL MEASUREMENTS KD = 10'  
GROUND ELEVATION: 1047'

TOTAL DEPTH: 1775'  
PBD: Surface  
JNK: None

CASING DETAIL:

<table>
<thead>
<tr>
<th>Casing Size</th>
<th>Top of Casing Depth</th>
<th>Shoe Depth</th>
<th>Weight</th>
<th>Grade Connection</th>
<th>New/Used</th>
<th>Hole Size</th>
<th>Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-3/8&quot;</td>
<td>10'</td>
<td>40'</td>
<td>54.5#</td>
<td>K-55</td>
<td>New</td>
<td>12-1/4&quot;</td>
<td>370 sx</td>
</tr>
<tr>
<td>9-5/8&quot;</td>
<td>10'</td>
<td>820'</td>
<td>36#</td>
<td>K-55</td>
<td>New</td>
<td>12-1/4&quot;</td>
<td>370 sx</td>
</tr>
</tbody>
</table>

B-Logs:  
DIL/BHC/SF/GR: 1773'-820'

Plugs: 100 sx - 920'-720'  
15 sx - Surface

Old TD  
B/A  
New TD: 1775'  
PB Depth: Surface  
Date: 10/06/88  
Type completion: Rotary (Paul Graham =4)  
Classification: Plugged to Abandon

Potential test data:  
Well no.: N/A  
Date: N/A  
Reservoir: N/A  
Producing Interval: N/A  
Oil: N/A  
Gas: N/A  
Water: N/A  
Hydrocarbons: N/A  
Gas: N/A  
Effective Date: N/A

Signature:  
Date: 3/3/89  
The: District Drilling Engineer

Kwang U. Park  
District Drilling Superintendent

Division of AtlanticRichfield Company