ARCO Oil and Gas Company  

**Daily Well History – Final Report**

**Instructions:** Please read the **Final Report** on the first Wednesday after a new well has been drilled or a well is plugged, abandoned, or sold.

**Final Report** should be submitted also when changes are made in any of the above forms that are applicable to the well. All information which is not applicable shall be left blank. The **Final Report** form may be used for reporting the entire operation of a well a available.

**District:** WESTERN  
**County or Parish:** COLUMBIA COUNTY  
**State:** OREGON

**Title:** CROWN ZELLERBACH  
**Well no:** 23-15

**Field:** MIST  
**Area or W.O. no:** R46109  
**Well or B.H.L:** API #: 36-009-00166  
**B.H.L:** 841.09' S & 1799.72' E of W 1/4 corner, Sec 15, T5N, R4W, WB6N  
**W.O. no:** 410.18' S & 305.86' E of SHL

**Operator:** ARCO EXPLORATION COMPANY  
**Date SPUD:** 11-26-85

**Total Depth:** 2771'  
**Plugback Depth:** 2660'  
**Junk:** None

**Plugs:** 2660' - 2755'

**Casing Detail:**
- 16” line pipe as conductor set at 40’
- 9-5/8” 36# K-55 STC seamless casing cemented at 4201’
- 5-1/2” 17# K-55 STC liner cemented at 2755’
- Perf’d: 4 HPF from 2318’ - 2330’ (48 holes) using 1-11/16” Enerjet thru tubing gun

**Present Condition of Hole**

Kwang U. Park  
District Drilling Superintendent

**Oil TO**  
**New TD:** 2771’  
**PB Depth:** 2660’

**Date:** 12-11-85  
**Kind of rig:** Rotary  
**Classification of oil, gas, etc.:** Gas

**Type completion (single, dual, etc.):** Single

**Producing method:**

**Potential test data**

<table>
<thead>
<tr>
<th>Well no.</th>
<th>Date</th>
<th>Reservoir</th>
<th>Producing Interval</th>
<th>Oil or Gas</th>
<th>Test Time</th>
<th>Production</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Oil on res’</td>
<td>Gas per day</td>
</tr>
<tr>
<td>23-15</td>
<td>12-10-85</td>
<td>C&amp;W Sand</td>
<td>2318’ - 2330’</td>
<td>Gas</td>
<td>4074 NCFPD</td>
<td></td>
</tr>
</tbody>
</table>

**Pump size, SPM X length:**

<table>
<thead>
<tr>
<th>Choke size</th>
<th>T.P.</th>
<th>C.F.</th>
<th>Water</th>
<th>GOR</th>
<th>Gravity corrected</th>
<th>Allowable</th>
<th>Effective date</th>
</tr>
</thead>
</table>

**The above is correct.**

**Signature:** B. E. DAVIS

**Date:** 2/12/86  
**Time:** DISTRICT DRILLING SUPERVISOR

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**Notes:**

For form preparation and distribution, see Procedures Manual Section 10. Drilling, Pages 48 and 87.

**Accounting cost center code:** MB-20771

**Division of AtlanticRichfield Company**