**DRILL**

**WESTERN**

**MORROW COUNTY**

**WILDCAT**

**HANNA**

**ARCO OIL AND GAS COMPANY**

**SPUDDED**

**1755'S and 1413'W of the NE Corner, S23/T25/R27E W/BAM**

**Operator**

**Date and depth**

**6/8/88**

**ALL MEASUREMENTS KB-- 25’**

**GROUND ELEVATION: 3195’**

**TOTAL DEPTH: 9210’**

**PBD: Surface**

**JUNK: None**

### CASING DETAIL:

<table>
<thead>
<tr>
<th>Casing Size</th>
<th>Top of Casing</th>
<th>Shoe Depth</th>
<th>Weight</th>
<th>Grade Conn.</th>
<th>New/Used</th>
<th>Hole Size</th>
<th>SX/CF Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot;</td>
<td>24'</td>
<td>60'</td>
<td>94.6#</td>
<td>K-55</td>
<td>new</td>
<td>Conductor</td>
<td></td>
</tr>
<tr>
<td>15&quot;</td>
<td>24'</td>
<td>1598'</td>
<td>75#</td>
<td>K-55</td>
<td>new</td>
<td>20-1/2&quot;</td>
<td>1325 sx</td>
</tr>
<tr>
<td>13-3/8&quot;</td>
<td>3082'</td>
<td>7285'</td>
<td>72#</td>
<td>N-80</td>
<td>new</td>
<td>14-3/4&quot;</td>
<td>1677 sx</td>
</tr>
</tbody>
</table>

**E-Logs:**

- DIL/SP/CR: 1600'-60’
- DIL/SP/CR/BHC: 7244'-1598’
- FDC/CLR/CR/CLR: 7244'-1598’
- SHDT: 7220'-1598’
- DIL/BHC/SP/CR: 9210'-7285’
- FDC/CLR/CR/CLR: 9210'-7285’

**Plug:**

- 7556'-7210' w/ 204 sx cement
- 7270'-7175’ (est) w/ 105 sx cement
- 1670'-1400' w/ 250 sx cement
- 152'-8’ w/ 150 sx cement

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**ARCO OIL and Gas Company**

4550 California Ave.

Bakersfield, CA 93309

(805) 322-4000

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**Kwang H. Park**

District Drilling Superintendent

11-16-88

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**District Drilling Engineer**

11/7/85

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**Signature**

[Note: The form is filled out with a variety of details, including dates, depths, weights, and various measurements relevant to drilling operations.]