**ARCO Oil and Gas Company**

**Drilling Report - Daily**

<table>
<thead>
<tr>
<th>Well Name</th>
<th>Depth</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>BANZER #34-16</td>
<td>978' @ 966'</td>
<td>4-17-85</td>
</tr>
<tr>
<td>TAYLOR #4</td>
<td>203'</td>
<td></td>
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</tbody>
</table>

**Laying Shoe Plug**

- **Flow line:** 102.42
- **Pump data:** NAT 7500 5½" 7½"
- **Mud log data:**
  - **Density:** 11.9
  - **Viscosity:** 193.00
- **Drill string data:**
  - **D.P.O.D.:** NONE
  - **Conn:** |
  - **Grade:** |
  - **Wt. ft.:** |
  - **Length:** |
- **Directional drilling data:**
  - **M:** |
  - **Angle:** |
  - **Direction:** |
  - **N.D.:** |
  - **Total Log ft.:** |
  - **Number:** |
  - **East West:** |
  - **Vertical:** |
  - **Dog leg severity:** |
  - **Survey No.:** |

**Operations from 0600 to 0600**

- **2/2:** Complete Running CHECK SHOT - BOREHOLE SEISMIC @ 4550', 4600', 3500', 3000', 2500', 2000', 1500', 1000' (Twice 2000')
- **3/4:** ATTEMPT TO RUN SDT SONIC TOOL FAILED
- **5/4:** ATTEMPT TO REPAIR SAME - NO GOOD. RAN CONVENTIONAL SONIC (BHC) E/4896 - 964'
- **4:** Ran SPACER @ 4840, 4744, 4582, 4568, 4140, 4125, 4116, 3795, 3790, 3400, 3350, 3140, 2900, 2760, 2710, 2620, 2355, 2520, 2328, 2280, 2245, 2243, 2213, 2200, 1965, 1775, 1735, 1715, 1605, 1514 (30 Total). NO MISFIRE 27 or 30 REC. (2 Empty 1 in hole)
- **2/2:** B/P SCHLUMBERGER P/DM D.P. RIH W/O LEDP T/1905'
- **CIRCUIT 1 & COND MUD. RIH HOW CO.**
- **CUT PLugs: CMTD. W/ 7/5 # CMT + 32C CAS.
- **PUT 11 861 140 AHEAD F/R 75# CMT. PB 2 B/
Operations last 24 hours continued

H₂O BEHIND DISP w/30 Bbl MUD CIP @ 0522 HRS
Pull 9 3/8 Stds & Circ. D.P. hung @ 1070'
Est. TOC @ 1682'

Shoe Plug: Cmtd. w/140 5x "G" CMT @ 39'
Cac. Put 13 Bbl H₂O AHEAD F/B 140 5x CMT,
F/B 3 Bbl H₂O BEHIND DISP w/7 Bbl MUD,
(CIP @ 0609 HRS), Est. TOC @ 830'

Banzer #34-16
SUMMARY OF FREE POINT DETERMINATION:

<table>
<thead>
<tr>
<th>H</th>
<th>D</th>
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<th>J</th>
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<tr>
<td>J</td>
<td>E</td>
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<td>P</td>
<td>P</td>
</tr>
</tbody>
</table>

- 207 FREE
- 100% FREE
- 0% FREE
- 100% FREE

Pull W/ CHARGE (J) TO 2408. Put 1 1/2 LEFT HAND TURNS IN PIPE, SECURE W/ BLUE TONGS, WORK PIPE, FIRE CHG. CHG. DID NOT FIRE. POOH ± REPAIR SAME. Re-run CHG. MADE, SUCCESSFULLY BACKOFF @ TOP OF COLLARS.

Est. Top of Fish @ 2408.

4. POOH ± 5/16 HUDP KEEP BOTTOM JOINT HUDP OUT. CONFIRM BACKOFF IN CORRECT SPOT. Pull 4 1/2 14 3/8" DP.

5. RIH T/2386, CIRC. ± CONDITION MUD W/ OPEN END DP.

6. Lay 130 5X CLASS "G" PLUG F/ 2386 - T/ 2028

(358 LINEAL FEET): Pump 13 Bbl H2O AHEAD F/8 130 5X "G" NEAT F/B 3 8/1 H2O. Disp w/ 25 Bbl MUD. CMT MIXED @ 15.7 PPG (117 PCE), 5 CIP @ 10:52 PM. Pull 5 STDs SLOW. Pull Kelly ±

CIRC MUD ( Trace of CMT @ Shaker) - Est. T.O.C. @ 2028.

7. W.O.C. While W.O.C. Cut ± SLIP Drag Line + Repair Drawworks.

(24)

BANZER *34-16. 4-5-85
ARCO Oil and Gas Company

Drilling Report - Daily

**BANZER** *34-16*

**TAYLOR** *4*

**W.O.C.**

- **Mud**
  - Density: 10.0
  - Solids: 40
  - API: 95
  - PPM: 800
  - Vol: 1
  - Temp: 1

- **Pump Data**
  - Nat: 7750
  - Str: 474
  - B.P.: 50 BOPM

- **Mud Log Data**
  - Bulk: 8028
  - 10.0
  - 3

- **Drill String Data**
  - HWDP: 4.5" DH: FC Grade: 37 None 3-30-85
  - DP: 4.5" DH: E Grade: 16.6

Directional Drilling Data

- Time: 5
  - **Work Stock Pipe**: Waiting on Mccollough (Cut 2-1/4"")
  - **Spot** 100% Gal. Diesel (93.33 Bbl) in D.P. Disp. w/ 15 Bbl Mud Theor Top on 2789' (137' Above DC)
  - Left 16.33 Bbl Inside D.P. D.I.P. @ 11:20 P.M.

- Time: 1.5

- Time: 1
  - **Kelly**: McCollough Arrived @ 12:40 A.M.

- Time: 4
  - Run Free Point Tool 1st Run: 224' (1st St., hwdp below 3ars) 100% Free Pipe. 2nd Run: 2420' (Top DC) 30% Free. 3rd Run: 2390' (1st Hwdp Above DC) 100% Free 4th Run: 2420' (Top DC) 50% Free.
  - 5th Run: @ 2450' (2nd DC Down) 0% Free (Stuck).

- POOH w/Free Point Tool.

Operations from 0600 to 0900

Check if summary continued on back

AR38-524-2 B
**ARCO Oil and Gas Company**

**Drilling Report - Daily**

<table>
<thead>
<tr>
<th>Location</th>
<th>BANZER #34-16</th>
<th>9-1/8' @ 986'</th>
<th>9-3/4' 4-6-85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator</td>
<td>TAYLOR #4</td>
<td>2315</td>
<td>2028</td>
</tr>
</tbody>
</table>

**Drilling 8-3/4'' hole**

<table>
<thead>
<tr>
<th>Date</th>
<th>Mud Data</th>
<th>Pump Data</th>
<th>Artificer</th>
<th>Mud Log Data</th>
<th>Drill String Data</th>
<th>HWDP</th>
<th>DP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-5-85</td>
<td>9-1/8''</td>
<td>8-3/4''</td>
<td>EK7220</td>
<td>2315, 9-1/8''</td>
<td>4-1/2'' XH F2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Bottom hole Assembly**

- 8'' OD Bit, DP, 2'' KS, MONEL, 5-0G, 5ARS, 19-3/4'' Hoop

**Directional Drilling Data**

See Attached Sheet

**Time**

<table>
<thead>
<tr>
<th>Operation</th>
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<tbody>
<tr>
<td>2 W.O.C.</td>
</tr>
<tr>
<td>2 Ruh 1/4'' Plugs Hole Tight w/ Frequent Bridges, Pooch 1/4'' HWDP 3 Check Strap, Strap Was Off By 4-6's (5 Stds). Corrected Same.</td>
</tr>
<tr>
<td>11 Tag Plug @ 2087' (59' High). Reamed Tight Spots to T.O.C., Circulate 1/4'' Cond. Mud @ Hole. Taking Slough @ Shakers. Polish Cmt. Off @</td>
</tr>
<tr>
<td>2200'. Cmt. Was Firm C/C Mud. Pooch F/Dyna. Pr</td>
</tr>
</tbody>
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