October 5
7,047" Bucked off drill pipe, 7,238' in hole, 302' recovered. Run in hole with fishing tools.
6 Tapped fish and pulled out of hole. Laid down fishing tools.
7 Run in hole, reaming and washing to bottom.
8 Washed out of hole for magnetic particle inspection of all drill pipe. Laid down two barrels, two stabilizers, and two crossover subs.
9 Run in hole visually inspecting drill pipe pins and boxes. Drilled ahead.
10 7,489' Result
11 7,785' Siltstone
12 Required workover in drill pipe on 24th stand. Drilled ahead.
13 7,950' Siltstone
14 8,068' Clay and Siltstone
15 8,212' Siltstone
16 Ripped up hole to run an intermediate Dual Induction Log and Acoustic Velocity Log. The hole was tight at 2,207', so run in hole with a dual tool and wipe hole for work test spot.
17 Lamping tools made no go below 6,000', as tapped from 4,800' to surface screening. Drilled ahead.
18 8,165' Siltstone
19 8,201' Clay and Siltstone
20 8,309' Clay and Siltstone
21 Drilled pipe washed out to 26th stand and 21st stand. Pulled out of hole visually inspecting every joint. Drilled ahead.
22 8,400' Siltstone
23 8,461' Siltstone
24 8,721' Pulled out of hole to cut on drill pipe inspector due to continuing washouts on box end.
25 Inspect pipe. Run in hole, reaming and washing to bottom.

October 26
Drill pipe ahead at 8,767'.
1 8,032' Siltstone
2 Pulled out of hole and pulled into a key seat at 2,207'. Pipe stuck at drill joint.
3 Washed and spotted a clean and "12 spot" rig to attempt to free pipe. Worked pipe free but, still would not pull out. Drilled up on drill pipe slips to return table. Broke free at 2,207' and pulled out of hole.

November 1
8,517' Siltstone
1 Twist off at 1,407', pull fish out of hole.
2 8,079' Siltstone
3 9,215' Siltstone
4 9,302' Sandy siltstone
5 Laydown rig drill pipe, pickup rental pipe.
6 Running below to bottom.
7 9,412' Sandy siltstone
8 Worked toward bottom.
9 9,541' Sandy siltstone
10 9,655' Clay and siltstone
11 9,685' Siltstone and clay
12 10,004' Siltstones
13 Ranged total depth at 6:30 a.m. Circulated and conditioned hole for logging.
14 Wiper trip in tight hole continues conditioning for trip.
15 Work trip hole; mean 3,337" to 3,341'.
16 Run 3,341' to 3,525'.
17 Run 3,525' to 3,927'.
18 Run 3,927' to 4,176', 4,249' to 4,623', and 8,020' to 10,004'. Circulate and condition hole.
19 Wiper trip to surface casing.

November 24
Run Valve Dual Induction Log to 6,202'. Tools would not go beyond the desired depth. Attempt Valves Acoustic Velocity Log; no go past 2,300'.

25 Run Valve Dual Induction Log to 6,202'; ran Straight Velocity Surveys 3,050' to 2,300'. Sidewall cores at 2,300', 2,520', 3,050', and 3,200'.

26 Hugs drill pipe to 7,238' and pumped in and equalized 275 tanks case 0 cement. Cement in place at 3 a.m.

27 Cement placed from 7,200', drilled to 7,015'. Circulation and condition hole, build on casing.

28 Run 9 5/8" casing as follows:
134 joints, 10" flange, OS tool - 6495.49'; 80' collar at 4,480.50'.

29 Cement as follows:
1st Stage—Cement around shoe at 6,900' with 265 tanks Case C with 20# CaCl and 0# gel, followed by 200 tanks Case A with 20# CaCl. Cement in place at 1 p.m.

2nd Stage—Down 68' collar at 4,480' and pump 765 tanks Case A with 15# CaCl and 0# gel, followed by 100 tanks 68' Case A with 20# CaCl. Cement in place at 3 p.m.

3rd Stage—Cementing set up to the Kirk and 9 5/8" pipe collar at 11 a.m.

30 MOWK rigging down; rig released at 12 midnight.

December 4
Move in Taylor Drilling Co. Rig 57.

5 Ripping up
6 Pick up 2,324' taoling, drill out approximately 100' of cement at 24 collar with 4-1/4" bit. Log bottom at 6,900'.

7 Big up Wells and run Microsleeve Irrigation Rod Log. Log indicates no cement bond across the zones of interest.

8 Worn a halfrubber for cement squeeze jobs.
December 9
Set Halliburton 5-1/2" RTTS packer at 6,600'.
Perforate 6,800', 6,801' and squeeze 50 sacks Class C cement (2,500 psi). Reset packer at 6,652' and perforate 6,650' - 6,651'. Attempt squeeze; however annulus pressure increased while pumping.
10 Pull packer and inspect. Run in hole testing tubing to 3,000 psi.
11 Continue pressure testing the tubing and locate washout at approximately 1,750'. Set packer at 6,551'.
12 Continue cement squeeze jobs. A summary of all squeeze follows:

<table>
<thead>
<tr>
<th>Perforate</th>
<th>Packer</th>
<th>Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,800' - 6,801'</td>
<td>6,600'</td>
<td>6,652'</td>
</tr>
<tr>
<td>4,410' - 6,651'</td>
<td>6,553'</td>
<td>6,651'</td>
</tr>
<tr>
<td>3,900' - 4,144'</td>
<td>6,551'</td>
<td>6,601'</td>
</tr>
<tr>
<td>3,320' - 3,328'</td>
<td>3,966'</td>
<td>4,150'</td>
</tr>
<tr>
<td>3,966' - 4,144'</td>
<td>4,104'</td>
<td>4,144'</td>
</tr>
<tr>
<td>2,880' - 3,889'</td>
<td>2,885'</td>
<td>2,889'</td>
</tr>
</tbody>
</table>

21 Drilled out cement to 6,780'.
22 Run Cement Bond log. Run in hole with tubing and set packer at 6,550'. Install tree base.
23 Swab Fluid level to 6,500'. Perforate 6,720' - 6,730' with 6 VTR Pilot 3-1/2" swell/rinse 225 FT 4 HPU. Swab fluid level to the packer and shut-in for 1 hour. No pressure build-up at surface. Run swab in hole and recover 400' of cut gas water.
24 Set Baker retrievable bridge plug at 6,700'. Pull packer and reset at 3,700'.
25 Install trees base. Swab Fluid to 5,500'. Perforate 4 HPP at 4,144' - 4,146', and 4,150' - 4,160'. Swab to 3,700', and shut-in for 1 hour. After build-up, water level at 1,700'. No pressure at surface. Set Baker retrievable bridge plug at 4,200'.
26 Set packer at 2,700' and install trees base. Swab Fluid to 1,500'. Perforate 4 HPP at 1,500' - 3,125'. Swab to 2,700' and shut-in overnight.
27 After shut-in, found no pressure at surface and fluid level at 1,400'. Swab fluid down to 2,700'. No gas present.

December 30
Pull packer and run in the hole with Halliburton RTTS packer. Set packer at 4,205' and squeeze with 75 sacks of Class C cement through perfs 3,100' - 3,125'.
31 Pull RTTS packer, run in hole with 4-3/4" bit, and drill approximately 100' of cement in casing. Set Baker packer at 2,700', swab fluid to 2,700'. Perforate 4 HPP at 3,075' - 3,085' and 3,093' - 3,104'. After hour shut-in, noticed no pressure build-up at surface and found fluid at 1,450'.

January 1992
1, 2
Inclement weather.
3 Run in hole with RTTS packer and set at 2,825'. Squeeze with 75 sacks of Class C cement through perfs 3,075' - 3,085' and 3,093' - 3,104'. Pull packer and reset at 1,700'. Perforate 4 HPP at 2,067' - 2,086' and squeeze 75 sacks of Class C cement for calculated fill outside the casing to 1,767'.
4 Inclement weather.
5 Drill out approximately 80' of cement in the casing. Run in the hole with Baker packer and set at 2,700'. Install trees base and swab fluid to 2,700'.
6, 7
Inclement weather.
8 Perforate 4 HPP at 3,027' - 3,047'. After 45 minutes shut-in, wellhead pressure build-up to approximately 10 psi; however, not enough quantity to flow test. Fluid level increased to 2,600' (100' net fluid).
9 Pull Baker bridge plug at 4,050'. Run in hole, set RTTS packer at 4,050' and squeeze 4,175' - 4,182' and 4,150' - 4,160' with 75 sacks of Class C cement. Reset packer at 2,600' and squeeze 3,073' - 3,087' with 75 sacks of Class C cement.
10 Drill out all cement in the casing to 5,000'.
11 Attempt to pull Baker bridge plug at 6,200'. Unsuccessful.
12 Pull Baker bridge at 6,300', run in hole with Baker packer and set at 6,200'.
13 Perforate 4 HPP at 5,720' - 5,750' and 6,700' - 6,730'. Pressure up tubing and break down perforations with 4,000 psi at a flow rate of 600 bbl/min for 2 minutes.

January 14, 1992
Swab fluid level down to the packer. After 1 hour shut-in, no pressure build-up at the surface, and fluid level increased 400'. Set Baker retrievable bridge plug at 2,700'.
15 Set Baker packer at 1,700', perforate 4 HPP at 2,092' - 2,107' and after 1 hour shut-in, fluid level increased approximately 200'.
16 Pull Baker bridge plug at 2,500'. Run in hole with open tubing and set cement plugs (Class 6 cement) as follows:

<table>
<thead>
<tr>
<th>Plugs</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,600' - 6,651'</td>
</tr>
<tr>
<td>4,070' - 4,270'</td>
</tr>
<tr>
<td>3,966'</td>
</tr>
<tr>
<td>2,885' - 3,889'</td>
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</tbody>
</table>

Tapped top plug at 7,100' without difficulties. Laid down 800' equipment and tubing. Installed casing valve on wellhead flange. Valve suspended in this condition. Rig released at 3 p.m.

No SURFACE PLUG -