



Home Office: Wichita, Kansas 67201  
 P. O. Box 1599 (316) 838-0601

Company Abercrombie Drilling, Inc. Lease & Well No.                      Mines #1                       
 Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 25529  
 Date 3-29-77 Sec. 11 Twp. 2S Range 30W County Decatur State Kansas  
 Test Approved by Greg Cheney Western Representative Keven Strutt

Formation Test No. 1 O.K.  Misrun  Interval Tested From 3714' to 3740' Total Depth 3740'  
 Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth 3709 Ft. Size 6 3/4 Bottom Packer Depth 3714 Ft. Size 6 3/4  
 Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth - Ft. Size -  
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 26 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3730 Ft. Clock No. 6893 Depth 3733 Ft. Clock No. 9725  
 Top Make Kuster Cap. 4200 No. 3354 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2605 ~~Inside~~ Outside  
 Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 11:11A. M  
 Tool Open I.F.P. From 11:15A M. to 11:30A M. - Hr. 15 Min. From (B) 40 P.S.I. To (C) 44 P.S.I.  
 Tool Closed I.C.I.P. From 11:30A M. to 12:15P M. - Hr. 45 Min (D) 241 P.S.I.  
 Tool Open F.F.P. From 12:15P M. to 1:00P M. - Hr. 45 Min. From (E) 61 P.S.I. To (F) 59 P.S.I.  
 Tool Closed F.C.I.P. From 1:00P M. to 1:45P M. - Hr. 45 Min. (G) 173 P.S.I.  
 Initial Hydrostatic Pressure (A) 2021 P.S.I. Final Hydrostatic Pressure (H) 1992 P.S.I. Maximum Temp. 116

**INFORMATION**

BLOW Weak blow throughout initial flow period. No blow on final flow period, flushed tool, very weak blow for 42 minutes.

Did Well Flow  Yes  No Recovery Total Ft. 40' of oil cut mud.

Reversed Out  Yes  No Mud Type Chem Viscosity 50 Weight 10.2 Water Loss 8.4 cc. Chlorides 1500 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Abercrombie Drlg, Inc. (#10) Length Drill Pipe? 2407 Ft. I.D. Drill Pipe - In. Tool Joint Size 4 FH In.

Length Weight Pipe 1064 Ft. I.D. Weight Pipe - In. Tool Joint Size 4 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 45 Ft.

Remarks: Flushed tool 16 minutes into final flow period, good surge.

# WESTERN TESTING CO., INC.

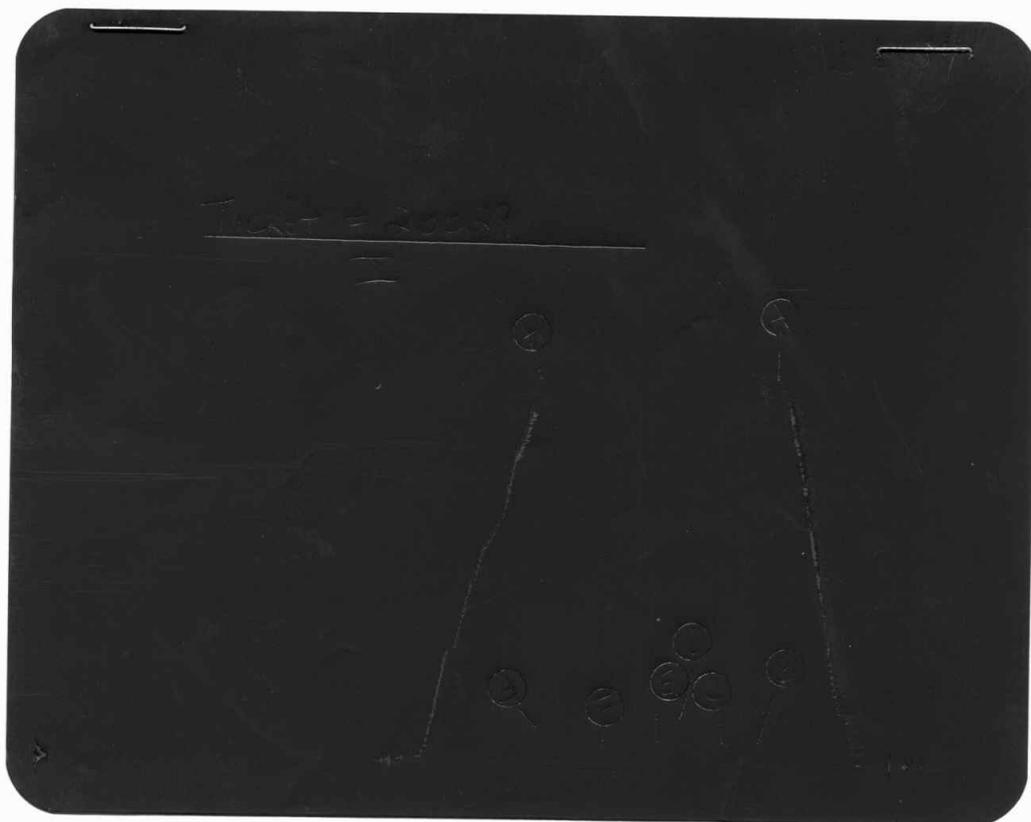
## Pressure Data

Date 3-29-77 Test Ticket No. 25529  
 Recorder No. 3354 Capacity 4200 Location 3730 Ft.  
 Clock No. 6893 Elevation - Well Temperature 116 °F

| Point                          | Pressure           |                            | Time Given       | Time Computed   |
|--------------------------------|--------------------|----------------------------|------------------|-----------------|
| A Initial Hydrostatic Mud      | <u>2021</u> P.S.I. | Open Tool                  | <u>11:11A.</u> M |                 |
| B First Initial Flow Pressure  | <u>40</u> P.S.I.   | First Flow Pressure        | <u>15</u> Mins.  | <u>15</u> Mins. |
| C First Final Flow Pressure    | <u>44</u> P.S.I.   | Initial Closed-in Pressure | <u>45</u> Mins.  | <u>42</u> Mins. |
| D Initial Closed-in Pressure   | <u>241</u> P.S.I.  | Second Flow Pressure       | <u>45</u> Mins.  | <u>45</u> Mins. |
| E Second Initial Flow Pressure | <u>61</u> P.S.I.   | Final Closed-in Pressure   | <u>45</u> Mins.  | <u>45</u> Mins. |
| F Second Final Flow Pressure   | <u>59</u> P.S.I.   |                            |                  |                 |
| G Final Closed-in Pressure     | <u>173</u> P.S.I.  |                            |                  |                 |
| H Final Hydrostatic Mud        | <u>1992</u> P.S.I. |                            |                  |                 |

### PRESSURE BREAKDOWN

| Point Mins.   | First Flow Pressure  | Initial Shut-In   | Second Flow Pressure   | Final Shut-In   |           |               |            |
|---------------|--|---|--|---|-----------|---------------|------------|
|               | Breakdown: <u>3</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. | Breakdown: <u>14</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. | Breakdown: <u>9</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. | Breakdown: <u>15</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. |           |               |            |
|               | Press.   | Point Minutes   | Press.   | Point Minutes   | Press.    | Point Minutes | Press.     |
| P 1 <u>0</u>  | <u>40</u>  | <u>0</u>  | <u>44</u>  | <u>0</u>  | <u>61</u> | <u>0</u>      | <u>59</u>  |
| P 2 <u>5</u>  | <u>42</u>  | <u>3</u>  | <u>50</u>  | <u>5</u>  | <u>55</u> | <u>3</u>      | <u>61</u>  |
| P 3 <u>10</u> | <u>44</u>  | <u>6</u>  | <u>58</u>  | <u>10</u>   | <u>55</u> | <u>6</u>      | <u>65</u>  |
| P 4 <u>15</u> | <u>44</u>  | <u>9</u>  | <u>65</u>  | <u>15</u>   | <u>55</u> | <u>9</u>      | <u>72</u>  |
| P 5 _____     |  | <u>12</u>   | <u>74</u>  | <u>20</u>   | <u>57</u> | <u>12</u>     | <u>77</u>  |
| P 6 _____     |  | <u>15</u>   | <u>87</u>  | <u>25</u>   | <u>59</u> | <u>15</u>     | <u>84</u>  |
| P 7 _____     |  | <u>18</u>   | <u>99</u>  | <u>30</u>   | <u>59</u> | <u>18</u>     | <u>91</u>  |
| P 8 _____     |  | <u>21</u>   | <u>114</u>   | <u>35</u>   | <u>59</u> | <u>21</u>     | <u>97</u>  |
| P 9 _____     |  | <u>24</u>   | <u>129</u>   | <u>40</u>   | <u>59</u> | <u>24</u>     | <u>105</u> |
| P10 _____     |  | <u>27</u>   | <u>145</u>   | <u>45</u>   | <u>59</u> | <u>27</u>     | <u>113</u> |
| P11 _____     |  | <u>30</u>   | <u>162</u>   |   |           | <u>30</u>     | <u>123</u> |
| P12 _____     |  | <u>33</u>   | <u>181</u>   |   |           | <u>33</u>     | <u>133</u> |
| P13 _____     |  | <u>36</u>   | <u>200</u>   |   |           | <u>36</u>     | <u>143</u> |
| P14 _____     |  | <u>39</u>   | <u>217</u>   |   |           | <u>39</u>     | <u>154</u> |
| P15 _____     |  | <u>42</u>   | <u>241</u>   |   |           | <u>42</u>     | <u>165</u> |
| P16 _____     |  |   |  |   |           | <u>45</u>     | <u>173</u> |
| P17 _____     |  |   |  |   |           |               |            |
| P18 _____     |  |   |  |   |           |               |            |
| P19 _____     |  |   |  |   |           |               |            |
| P20 _____     |  |   |  |   |           |               |            |



This is an actual photograph of recorder chart.

| POINT                            | PRESSURE      |                |     |
|----------------------------------|---------------|----------------|-----|
|                                  | Field Reading | Office Reading |     |
| (A) Initial Hydrostatic Mud      | 2038          | 2021           | PSI |
| (B) First Initial Flow Pressure  | 42            | 40             | PSI |
| (C) First Final Flow Pressure    | 42            | 44             | PSI |
| (D) Initial Closed-in Pressure   | 253           | 241            | PSI |
| (E) Second Initial Flow Pressure | 53            | 61             | PSI |
| (F) Second Final Flow Pressure   | 63            | 59             | PSI |
| (G) Final Closed-in Pressure     | 190           | 173            | PSI |
| (H) Final Hydrostatic Mud        | 2006          | 1992           | PSI |



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Company Abercrombie Drilling, Inc. Lease & Well No. Mines #1  
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 25530  
Date 3-30-77 Sec. 11 Twp. 2S Range 30W County Decatur State Kansas  
Test Approved by Greg Cheney Western Representative Keven Strutt

Formation Test No. 2 O.K.  Misrun  Interval Tested From 3826' to 3860' Total Depth 3860'  
Size Main Hole 77/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 3821 Ft. Size 6 3/4 Bottom Packer Depth 3826 Ft. Size 6 3/4  
Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth - Ft. Size -  
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 34 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3850 Ft. Clock No. 6893 Depth 3853 Ft. Clock No. 9725  
Top Make Kuster Cap. 4200 No. 3354  Inside  Outside Bottom Make Kuster Cap. 4150 No. 2605  Inside  Outside  
Below Straddle: Depth - Rec. No. - Clock No. -  Inside  Outside Depth - Ft. Rec. No. - Clock No. -  Inside  Outside

Time Set Packer 2:11 P M  
Tool Open I.F.P. From 2:15 P M. to 2:45 P M. - Hr. 30 Min. From (B) 49 P.S.I. To (C) 88 P.S.I.  
Tool Closed I.C.I.P. From 2:45 P M. to 3:30 P M. - Hr. 45 Min (D) 1005 P.S.I.  
Tool Open F.F.P. From 3:30 P M. to 4:15 P M. - Hr. 45 Min. From (E) 112 P.S.I. To (F) 131 P.S.I.  
Tool Closed F.C.I.P. From 4:15 P M. to 5:00 P M. - Hr. 45 Min. (G) 808 P.S.I.  
Initial Hydrostatic Pressure (A) 2048 P.S.I. Final Hydrostatic Pressure (H) 2017 P.S.I. Maximum Temp. 118

**INFORMATION**

BLOW Good blow throughout test. (Off bottom of bucket in 11 minutes)

Did Well Flow - Yes  No  Recovery Total Ft. 924' total recovery, 676' gas in pipe, 72' clean oil,  
176' muddy oil (58% oil, 42% Mud)

Reversed Out - Yes  No  Mud Type chem Viscosity 55 Weight 9.9 Water Loss 9.6 cc. Chlorides 1.500 P.P.M.  
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint  Jars: Size - In. Make - Ser. No. -

Dual Packer  Did Packers Hold?  Did Tool Plug?  Where? -  
DRILLING CONTRACTOR Abercrombie Drlg. Co. Length Drill Pipe 2532 Ft. I.D. Drill Pipe - In. Tool Joint Size 4 FH In.  
Length Weight Pipe 1064 Ft. I.D. Weight Pipe - In. Tool Joint Size 4 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.  
Tool Joint Size - In. Length D.S.T. Tool 53 Ft.

Remarks: 72' clean oil ( 38 degrees gravity)

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 3-30-77 Test Ticket No. 25530  
 Recorder No. 3354 Capacity 4200 Location 3850 Ft.  
 Clock No. 6893 Elevation - Well Temperature 118 °F

| Point                          | Pressure           |                            | Time Given      | Time Computed   |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>2048</u> P.S.I. | Open Tool                  | <u>2:11</u> P M |                 |
| B First Initial Flow Pressure  | <u>49</u> P.S.I.   | First Flow Pressure        | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure    | <u>88</u> P.S.I.   | Initial Closed-in Pressure | <u>45</u> Mins. | <u>45</u> Mins. |
| D Initial Closed-in Pressure   | <u>1005</u> P.S.I. | Second Flow Pressure       | <u>45</u> Mins. | <u>45</u> Mins. |
| E Second Initial Flow Pressure | <u>112</u> P.S.I.  | Final Closed-in Pressure   | <u>45</u> Mins. | <u>45</u> Mins. |
| F Second Final Flow Pressure   | <u>131</u> P.S.I.  |                            |                 |                 |
| G Final Closed-in Pressure     | <u>808</u> P.S.I.  |                            |                 |                 |
| H Final Hydrostatic Mud        | <u>2017</u> P.S.I. |                            |                 |                 |

**PRESSURE BREAKDOWN**

|  |   |   |   |
|--|---|---|---|
| <b>First Flow Pressure</b><br>Breakdown: <u>6</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. | <b>Initial Shut-In</b><br>Breakdown: <u>15</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. | <b>Second Flow Pressure</b><br>Breakdown: <u>9</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. | <b>Final Shut-In</b><br>Breakdown: <u>15</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. |
|--|---|---|---|

| Point Mins.   | Press.    | Point Minutes | Press.      | Point Minutes | Press.     | Point Minutes | Press.     |
|---------------|-----------|---------------|-------------|---------------|------------|---------------|------------|
| P 1 <u>0</u>  | <u>49</u> | <u>0</u>      | <u>88</u>   | <u>0</u>      | <u>112</u> | <u>0</u>      | <u>131</u> |
| P 2 <u>5</u>  | <u>53</u> | <u>3</u>      | <u>133</u>  | <u>5</u>      | <u>105</u> | <u>3</u>      | <u>171</u> |
| P 3 <u>10</u> | <u>61</u> | <u>6</u>      | <u>247</u>  | <u>10</u>     | <u>110</u> | <u>6</u>      | <u>246</u> |
| P 4 <u>15</u> | <u>68</u> | <u>9</u>      | <u>439</u>  | <u>15</u>     | <u>113</u> | <u>9</u>      | <u>333</u> |
| P 5 <u>20</u> | <u>76</u> | <u>12</u>     | <u>641</u>  | <u>20</u>     | <u>117</u> | <u>12</u>     | <u>426</u> |
| P 6 <u>25</u> | <u>83</u> | <u>15</u>     | <u>754</u>  | <u>25</u>     | <u>120</u> | <u>15</u>     | <u>511</u> |
| P 7 <u>30</u> | <u>88</u> | <u>18</u>     | <u>812</u>  | <u>30</u>     | <u>122</u> | <u>18</u>     | <u>582</u> |
| P 8           |           | <u>21</u>     | <u>863</u>  | <u>35</u>     | <u>124</u> | <u>21</u>     | <u>635</u> |
| P 9           |           | <u>24</u>     | <u>897</u>  | <u>40</u>     | <u>127</u> | <u>24</u>     | <u>675</u> |
| P10           |           | <u>27</u>     | <u>924</u>  | <u>45</u>     | <u>131</u> | <u>27</u>     | <u>707</u> |
| P11           |           | <u>30</u>     | <u>943</u>  |               |            | <u>30</u>     | <u>730</u> |
| P12           |           | <u>33</u>     | <u>962</u>  |               |            | <u>33</u>     | <u>749</u> |
| P13           |           | <u>36</u>     | <u>977</u>  |               |            | <u>36</u>     | <u>766</u> |
| P14           |           | <u>39</u>     | <u>991</u>  |               |            | <u>39</u>     | <u>781</u> |
| P15           |           | <u>42</u>     | <u>1000</u> |               |            | <u>42</u>     | <u>794</u> |
| P16           |           | <u>45</u>     | <u>1005</u> |               |            | <u>45</u>     | <u>808</u> |
| P17           |           |               |             |               |            |               |            |
| P18           |           |               |             |               |            |               |            |
| P19           |           |               |             |               |            |               |            |
| P20           |           |               |             |               |            |               |            |



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE      |                |     |
|--|---------------|----------------|-----|
|  | Field Reading | Office Reading |     |
| (A) Initial Hydrostatic Mud .....      | 2049          | 2048           | PSI |
| (B) First Initial Flow Pressure .....  | 53            | 49             | PSI |
| (C) First Final Flow Pressure .....    | 95            | 88             | PSI |
| (D) Initial Closed-in Pressure .....   | 1002          | 1005           | PSI |
| (E) Second Initial Flow Pressure ..... | 105           | 112            | PSI |
| (F) Second Final Flow Pressure .....   | 127           | 131            | PSI |
| (G) Final Closed-in Pressure .....     | 812           | 808            | PSI |
| (H) Final Hydrostatic Mud .....        | 2017          | 2017           | PSI |



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Company Abercrombie Drilling, Inc. Lease & Well No. Mines #1  
 Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 25531  
 Date 3-31-77 Sec. 11 Twp. 2S Range 30W County Decatur State Kansas  
 Test Approved by Greg Cheney Western Representative Keven Strutt

Formation Test No. 3 O.K.  Misrun  Interval Tested From 3828' to 3870' Total Depth 3945'  
 Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth 3828 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -  
 Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth 3870 Ft. Size 6 3/4  
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 42 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3832 Ft. Clock No. 6893 Depth 3835 Ft. Clock No. 9725  
 Top Make Kuster Cap. 4200 No. 3354  Inside  Outside Bottom Make Kuster Cap. 4150 No. 2605  Inside  Outside  
 Below Straddle: Depth 3945 Rec. No. WTC Clock No. -  Inside  Outside Depth - Ft. Rec. No. - Clock No. -  Inside  Outside

Time Set Packer 12:27P. M  
 Tool Open I.F.P. From 12:30P M. to 12:45P M. - Hr. 15 Min. From (B) 32 P.S.I. To (C) 51 P.S.I.  
 Tool Closed I.C.I.P. From 12:45P M. to 1:45P M. - Hr. 60 Min (D) 1084 P.S.I.  
 Tool Open F.F.P. From 1:45P M. to 3:15P M. - Hr. 90 Min. From (E) 76 P.S.I. To (F) 119 P.S.I.  
 Tool Closed F.C.I.P. From 3:15P M. to 4:15P M. - Hr. 60 Min. (G) 757 P.S.I.  
 Initial Hydrostatic Pressure (A) 2119 P.S.I. Final Hydrostatic Pressure (H) 2089 P.S.I. Maximum Temp. -

**INFORMATION**

BLOW Good blow throughout test, off bottom of bucket in 13 minutes.

Did Well Flow  Yes  No Recovery Total Ft. 496' of gas in pipe, 153' clean gassy oil, 103' gassy muddy oil (38 degrees gravity oil)

Reversed Out  Yes  No Mud Type Chem Viscosity 55 Weight 9.8 Water Loss 9.6 cc. Chlorides 1500PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint  Jars: Size - In. Make - Ser. No. -

Dual Packer  No Did Packers Hold?  Yes Did Tool Plug?  No Where? -

DRILLING CONTRACTOR Abercrombie Drlg, (#10) Length Drill Pipe? 2625 Ft. I.D. Drill Pipe - In. Tool Joint Size 4FH In.  
 Length Weight Pipe 1064 Ft. I.D. Weight Pipe - In. Tool Joint Size 4FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.  
 Tool Joint Size - In. Length D.S.T. Tool 132 Ft.

Remarks:

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 3-31-77 Test Ticket No. 25531  
 Recorder No. 3354 Capacity 4200 Location 3832 Ft.  
 Clock No. 6893 Elevation - Well Temperature - °F

| Point                          | Pressure           |                            | Time Given      | Time Computed   |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>2119</u> P.S.I. | Open Tool                  | <u>12:27P</u> M |                 |
| B First Initial Flow Pressure  | <u>32</u> P.S.I.   | First Flow Pressure        | <u>15</u> Mins. | <u>15</u> Mins. |
| C First Final Flow Pressure    | <u>51</u> P.S.I.   | Initial Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| D Initial Closed-in Pressure   | <u>1084</u> P.S.I. | Second Flow Pressure       | <u>90</u> Mins. | <u>90</u> Mins. |
| E Second Initial Flow Pressure | <u>76</u> P.S.I.   | Final Closed-in Pressure   | <u>60</u> Mins. | <u>57</u> Mins. |
| F Second Final Flow Pressure   | <u>119</u> P.S.I.  |                            |                 |                 |
| G Final Closed-in Pressure     | <u>757</u> P.S.I.  |                            |                 |                 |
| H Final Hydrostatic Mud        | <u>2089</u> P.S.I. |                            |                 |                 |

**PRESSURE BREAKDOWN**

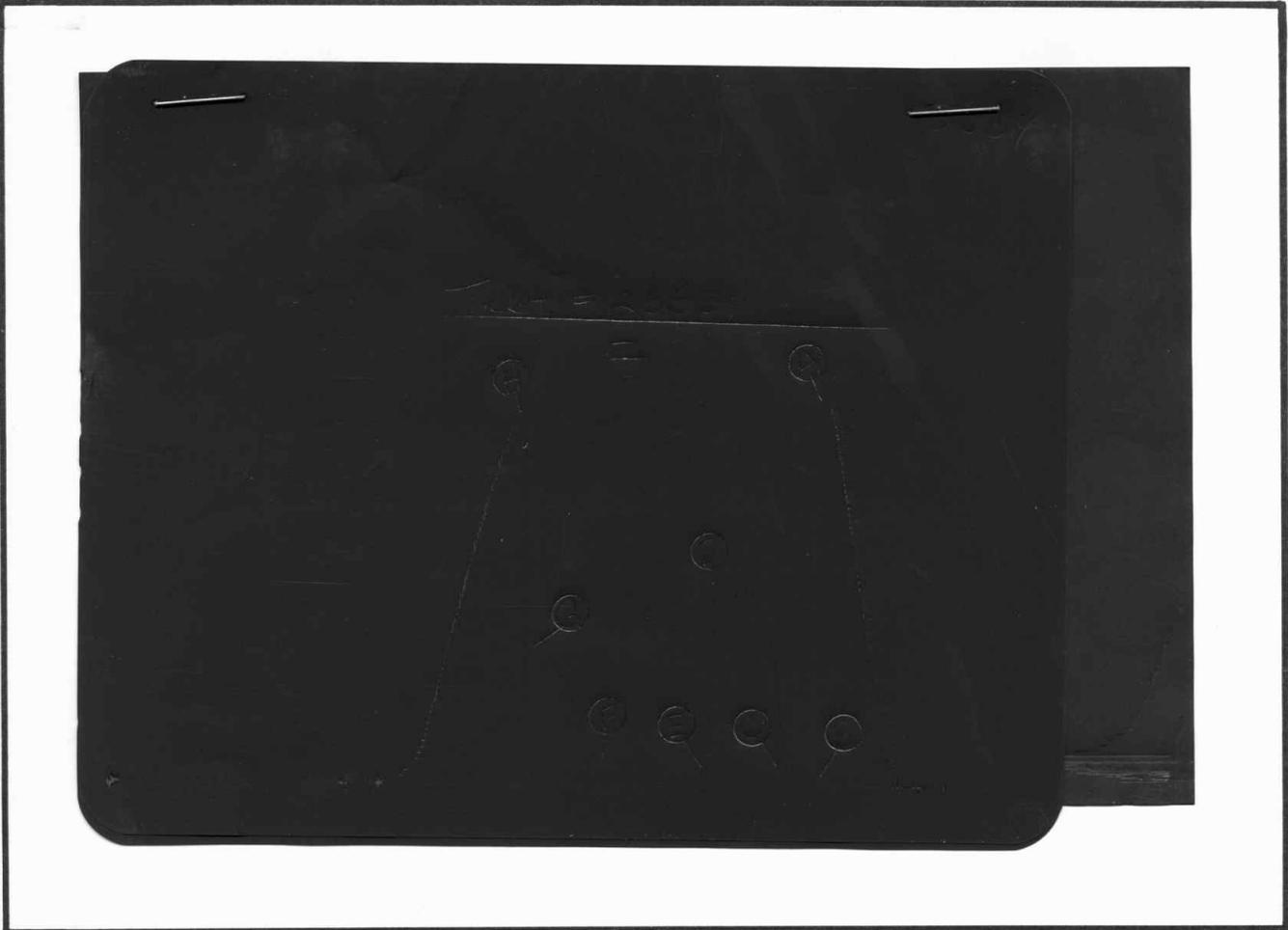
**First Flow Pressure**  
 Breakdown: 3 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 18 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 19 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

| Point Mins.   | Press.    | Point Minutes | Press.      | Point Minutes | Press.     | Point Minutes | Press.     |
|---------------|-----------|---------------|-------------|---------------|------------|---------------|------------|
| P 1 <u>0</u>  | <u>32</u> | <u>0</u>      | <u>51</u>   | <u>0</u>      | <u>76</u>  | <u>0</u>      | <u>119</u> |
| P 2 <u>5</u>  | <u>38</u> | <u>3</u>      | <u>105</u>  | <u>5</u>      | <u>72</u>  | <u>3</u>      | <u>152</u> |
| P 3 <u>10</u> | <u>43</u> | <u>6</u>      | <u>222</u>  | <u>10</u>     | <u>75</u>  | <u>6</u>      | <u>192</u> |
| P 4 <u>15</u> | <u>51</u> | <u>9</u>      | <u>403</u>  | <u>15</u>     | <u>77</u>  | <u>9</u>      | <u>249</u> |
| P 5 _____     | _____     | <u>12</u>     | <u>576</u>  | <u>20</u>     | <u>80</u>  | <u>12</u>     | <u>314</u> |
| P 6 _____     | _____     | <u>15</u>     | <u>728</u>  | <u>25</u>     | <u>82</u>  | <u>15</u>     | <u>371</u> |
| P 7 _____     | _____     | <u>18</u>     | <u>821</u>  | <u>30</u>     | <u>87</u>  | <u>18</u>     | <u>436</u> |
| P 8 _____     | _____     | <u>21</u>     | <u>886</u>  | <u>35</u>     | <u>91</u>  | <u>21</u>     | <u>493</u> |
| P 9 _____     | _____     | <u>24</u>     | <u>928</u>  | <u>40</u>     | <u>93</u>  | <u>24</u>     | <u>543</u> |
| P10 _____     | _____     | <u>27</u>     | <u>960</u>  | <u>45</u>     | <u>97</u>  | <u>27</u>     | <u>582</u> |
| P11 _____     | _____     | <u>30</u>     | <u>983</u>  | <u>50</u>     | <u>99</u>  | <u>30</u>     | <u>614</u> |
| P12 _____     | _____     | <u>33</u>     | <u>1002</u> | <u>55</u>     | <u>103</u> | <u>33</u>     | <u>641</u> |
| P13 _____     | _____     | <u>36</u>     | <u>1019</u> | <u>60</u>     | <u>105</u> | <u>36</u>     | <u>665</u> |
| P14 _____     | _____     | <u>39</u>     | <u>1033</u> | <u>65</u>     | <u>109</u> | <u>39</u>     | <u>683</u> |
| P15 _____     | _____     | <u>42</u>     | <u>1042</u> | <u>70</u>     | <u>111</u> | <u>42</u>     | <u>700</u> |
| P16 _____     | _____     | <u>45</u>     | <u>1053</u> | <u>75</u>     | <u>114</u> | <u>45</u>     | <u>711</u> |
| P17 _____     | _____     | <u>48</u>     | <u>1061</u> | <u>80</u>     | <u>116</u> | <u>48</u>     | <u>724</u> |
| P18 _____     | _____     | <u>51</u>     | <u>1067</u> | <u>85</u>     | <u>118</u> | <u>51</u>     | <u>736</u> |
| P19 _____     | _____     | <u>54</u>     | <u>1074</u> | <u>90</u>     | <u>119</u> | <u>54</u>     | <u>745</u> |
| P20 _____     | _____     | <u>57</u>     | <u>1078</u> | _____         | _____      | <u>57</u>     | <u>757</u> |
| WTC - 4       |           | <u>60</u>     | <u>1084</u> |               |            |               |            |



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE      |                |     |
|--|---------------|----------------|-----|
|  | Field Reading | Office Reading |     |
| (A) Initial Hydrostatic Mud .....      | 2123          | 2119           | PSI |
| (B) First Initial Flow Pressure .....  | 42            | 32             | PSI |
| (C) First Final Flow Pressure .....    | 63            | 51             | PSI |
| (D) Initial Closed-in Pressure .....   | 1097          | 1084           | PSI |
| (E) Second Initial Flow Pressure ..... | 74            | 76             | PSI |
| (F) Second Final Flow Pressure .....   | 116           | 119            | PSI |
| (G) Final Closed-in Pressure .....     | 759           | 757            | PSI |
| (H) Final Hydrostatic Mud .....        | 2102          | 2089           | PSI |