

15-163-21360



29-10s-18w

Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Rockwood Petroleum Co. Lease & Well No. Duawe #1  
 Elevation 2107 Kelly Bush. Formation Topeka Effective Pay - Ft. Ticket No. 11663  
 Date 7-19-81 Sec. 29 Twp. 10S Range 18W County Rooks State Kansas  
 Test Approved by E. McNeil Western Representative Clyde Scheffe

Formation Test No. 1 Interval Tested from 3252 ft. to 3270 ft. Total Depth 3270 ft.  
 Packer Depth 3247 ft. Size 6 3/4 in. Packer Depth 3252 ft. Size 6 3/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3259 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 3261 ft. Recorder Number 1134 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Shields Drlg. Co. (#2) Drill Collar Length - I. D. - in.  
 Mud Type Starch Viscosity 37 Weight Pipe Length 900 I. D. 3.2 in.  
 Weight 9.9 Water Loss 9.6 cc. Drill Pipe Length 2370 I. D. 3.8 in.  
 Chlorides 43,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 18 ft. Size 4 1/2 in.  
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout test.

Recovered 1300 ft. of salt water with slight show of oil. Chlorides 80,000 PPM  
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of       

Remarks:       

Time Set Packer(s) 1:45 ~~A.M.~~ P.M. Time Started Off Bottom 3:45 ~~A.M.~~ P.M. Maximum Temperature 108°F  
 Initial Hydrostatic Pressure        (A) 1781 P.S.I.  
 Initial Flow Period        Minutes 30 (B) 118 P.S.I. to (C) 472 P.S.I.  
 Initial Closed In Period        Minutes 27 (D) 1064 P.S.I.  
 Final Flow Period        Minutes 30 (E) 533 P.S.I. to (F) 654 P.S.I.  
 Final Closed In Period        Minutes 30 (G) 1060 P.S.I.  
 Final Hydrostatic Pressure        (H) 1740 P.S.I.

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

Date 7/19/81 Recorder No. 1561 Capacity 3200 Test Ticket No. 11663  
 Location 3259 Ft. Elevation 2107 Kelly Bushing Well Temperature 108 °F  
 Clock No. -

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1781</u> P.S.I.	Open Tool	<u>1:45P</u>	<u>M</u>
B First Initial Flow Pressure	<u>118</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>472</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1064</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>533</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>654</u> P.S.I.			
G Final Closed-in Pressure	<u>1060</u> P.S.I.			
H Final Hydrostatic Mud	<u>1740</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a 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>118</u>	<u>0</u>	<u>472</u>	<u>0</u>	<u>533</u>	<u>0</u>	<u>654</u>
P 2 <u>5</u>	<u>146</u>	<u>3</u>	<u>949</u>	<u>5</u>	<u>536</u>	<u>3</u>	<u>962</u>
P 3 <u>10</u>	<u>212</u>	<u>6</u>	<u>979</u>	<u>10</u>	<u>552</u>	<u>6</u>	<u>987</u>
P 4 <u>15</u>	<u>278</u>	<u>9</u>	<u>1002</u>	<u>15</u>	<u>577</u>	<u>9</u>	<u>1005</u>
P 5 <u>20</u>	<u>341</u>	<u>12</u>	<u>1021</u>	<u>20</u>	<u>605</u>	<u>12</u>	<u>1017</u>
P 6 <u>25</u>	<u>397</u>	<u>15</u>	<u>1030</u>	<u>25</u>	<u>629</u>	<u>15</u>	<u>1029</u>
P 7 <u>30</u>	<u>472</u>	<u>18</u>	<u>1041</u>	<u>30</u>	<u>654</u>	<u>18</u>	<u>1038</u>
P 8		<u>21</u>	<u>1049</u>			<u>21</u>	<u>1046</u>
P 9		<u>24</u>	<u>1059</u>			<u>24</u>	<u>1051</u>
P10		<u>27</u>	<u>1064</u>			<u>27</u>	<u>1054</u>
P11						<u>30</u>	<u>1060</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1561

Top

7-19-81

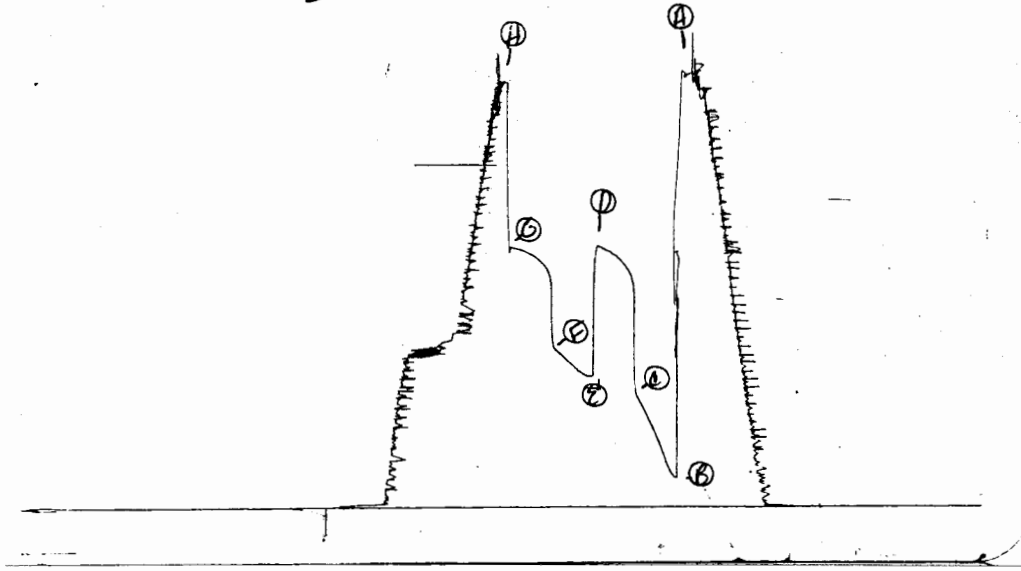
Rockwood Petro

Davwe #1

DST #1

TKT # 11463

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1781	1781	PSI
(B) First Initial Flow Pressure	150	118	PSI
(C) First Final Flow Pressure	600	472	PSI
(D) Initial Closed-in Pressure	1062	1064	PSI
(E) Second Initial Flow Pressure	534	533	PSI
(F) Second Final Flow Pressure	652	654	PSI
(G) Final Closed-in Pressure	1062	1060	PSI
(H) Final Hydrostatic Mud	1740	1740	PSI

5 E N E N E



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Company Rockwood Petroleum Company Lease & Well No. Dauwe #1  
 Elevation 2107 Kelly Bushing Formation Lansing "B" Zone Effective Pay - Ft. Ticket No. 11664  
 Date 7/20/81 Sec. 29 Twp. 10S Range 18W County Rooks State Kansas  
 Test Approved by E. McNeil Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 3346 ft. to 3390 ft. Total Depth 3390 ft.  
 Packer Depth 3341 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3346 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3380 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 3383 ft. Recorder Number 1134 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Shields Drilling Co. Rig #2 Drill Collar Length - I. D. - in.  
 Mud Type starch Viscosity 38 Weight Pipe Length 900 I. D. 3.2 in.  
 Weight 9.8 Water Loss 9.6 cc. Drill Pipe Length 2426 I. D. 3.8 in.  
 Chlorides 45,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 44 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Initial flow period strong blow; off bottom in four minutes. Strong blow throughout final flow period.

Recovered 1064 ft. of salt water  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks: Read Pressures from Bottom chart.

Time Set Packer(s) 11:00 A.M. Time Started Off Bottom 1:00 A.M. Maximum Temperature 108°  
 Initial Hydrostatic Pressure (A) 1806 P.S.I.  
 Initial Flow Period Minutes 30 (B) 116 P.S.I. to (C) 313 P.S.I.  
 Initial Closed In Period Minutes 30 (D) 964 P.S.I.  
 Final Flow Period Minutes 30 (E) 402 P.S.I. to (F) 480 P.S.I.  
 Final Closed In Period Minutes 30 (G) 838 P.S.I.  
 Final Hydrostatic Pressure (H) 1806 P.S.I.

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

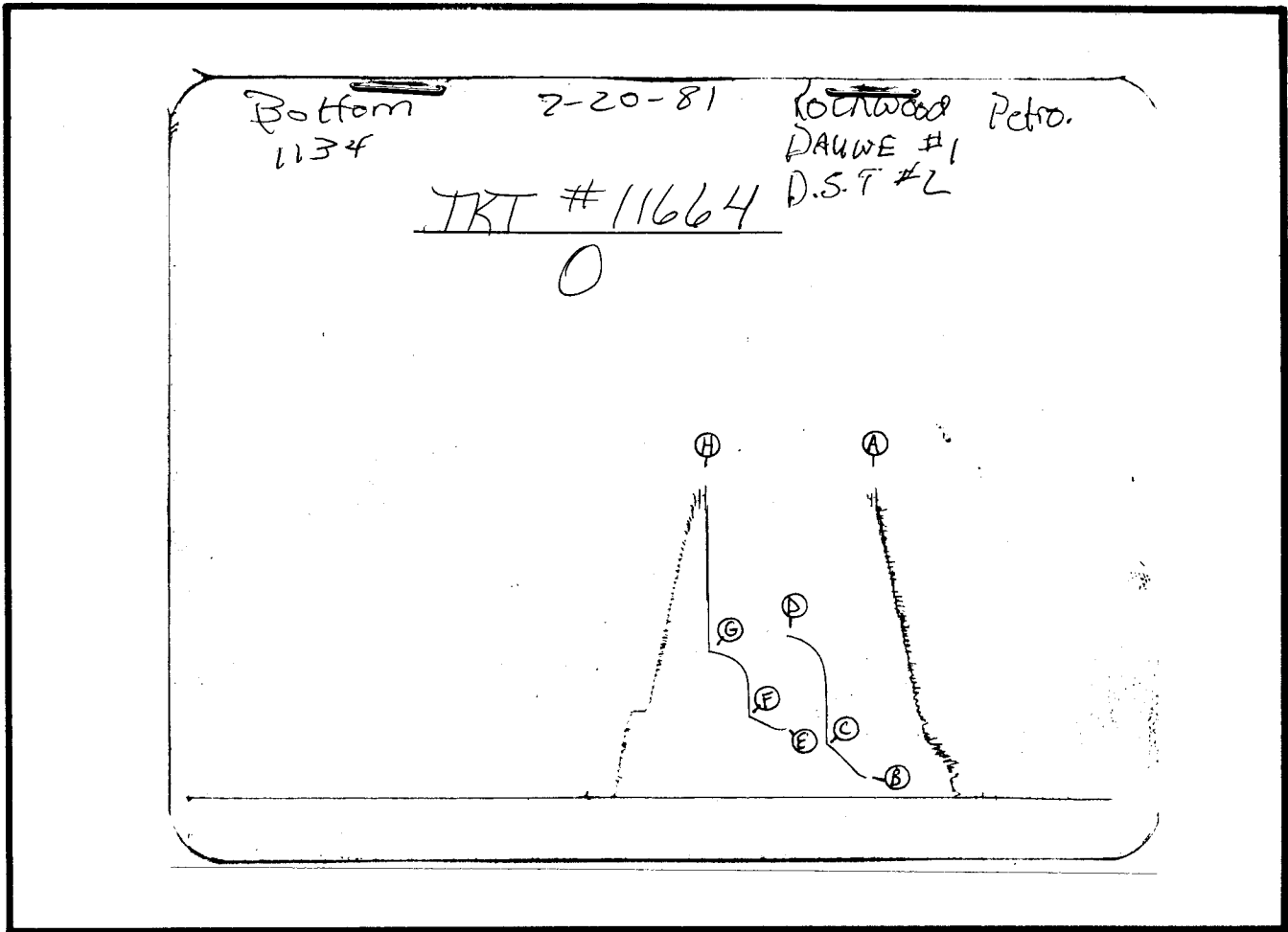
Date 7-20-81 Test Ticket No. 11664  
 Recorder No. 1134 Capacity 4500 Location 3383 Ft.  
 Clock No. ----- Elevation 2107 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1806</u> P.S.I.	Open Tool	<u>11:00 A M</u>	
B First Initial Flow Pressure	<u>116</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>313</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>964</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>402</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>480</u> P.S.I.			
G Final Closed-in Pressure	<u>873</u> P.S.I.			
H Final Hydrostatic Mud	<u>1806</u> P.S.I.			

**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>116</u>	<u>0</u>	<u>313</u>	<u>0</u>	<u>402</u>	<u>0</u>	<u>480</u>
P 2 <u>5</u>	<u>127</u>	<u>3</u>	<u>798</u>	<u>5</u>	<u>402</u>	<u>3</u>	<u>764</u>
P 3 <u>10</u>	<u>163</u>	<u>6</u>	<u>851</u>	<u>10</u>	<u>408</u>	<u>6</u>	<u>793</u>
P 4 <u>15</u>	<u>201</u>	<u>9</u>	<u>882</u>	<u>15</u>	<u>426</u>	<u>9</u>	<u>816</u>
P 5 <u>20</u>	<u>241</u>	<u>12</u>	<u>904</u>	<u>20</u>	<u>446</u>	<u>12</u>	<u>831</u>
P 6 <u>25</u>	<u>281</u>	<u>15</u>	<u>922</u>	<u>25</u>	<u>467</u>	<u>15</u>	<u>842</u>
P 7 <u>30</u>	<u>313</u>	<u>18</u>	<u>936</u>	<u>30</u>	<u>480</u>	<u>18</u>	<u>851</u>
P 8 _____	_____	<u>21</u>	<u>947</u>	_____	_____	<u>21</u>	<u>860</u>
P 9 _____	_____	<u>24</u>	<u>953</u>	_____	_____	<u>24</u>	<u>864</u>
P10 _____	_____	<u>27</u>	<u>962</u>	_____	_____	<u>27</u>	<u>871</u>
P11 _____	_____	<u>30</u>	<u>964</u>	_____	_____	<u>30</u>	<u>873</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1783	1806	PSI
(B) First Initial Flow Pressure	122	116	PSI
(C) First Final Flow Pressure	312	313	PSI
(D) Initial Closed-in Pressure	968	964	PSI
(E) Second Initial Flow Pressure	401	402	PSI
(F) Second Final Flow Pressure	479	480	PSI
(G) Final Closed-in Pressure	880	838	PSI
(H) Final Hydrostatic Mud	1806	1806	PSI

2N 2M 2



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Company Rockwood Petroleum Company Lease & Well No. Dauwe #1  
 Elevation 2107 Kelly Bushing Lansing Zones H-I-J Effective Pay - Ft. Ticket No. 11665  
 Date 7/21/81 Sec. 29 Twp. 10S Range 18W County Rooks State Kansas  
 Test Approved by E. McNeil Western Representative Clyde Scheffe

Formation Test No. 3 Interval Tested from 3478 ft. to 3525 ft. Total Depth 3525 ft.  
 Packer Depth 3473 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3478 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3515 ft. Recorder Number 1561 Cap 3200  
 Bottom Recorder Depth (Outside) 3518 ft. Recorder Number 1134 Cap 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Shields Drilling Co. Rig #2 Drill Collar Length - I. D. - in.  
 Mud Type starch Viscosity 38 Weight Pipe Length 900 I. D. 3.2 in.  
 Weight 9.8 Water Loss 9.6 cc. Drill Pipe Length 2625 I. D. 3.8 in.  
 Chlorides 45,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 47 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow; died in eight minutes on initial flow period. No blow on final flow period.

Recovered 10 ft. of drilling mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Flushed tool second opening --didn't flush.

Time Set Packer(s) 10:55 A.M. Time Started Off Bottom 1:25 P.M. Maximum Temperature 110°  
 Initial Hydrostatic Pressure ..... (A) 1869 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 43 P.S.I. to (C) 46 P.S.I.  
 Initial Closed In Period ..... Minutes 39 (D) 604 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 46 P.S.I. to (F) 46 P.S.I.  
 Final Closed In Period ..... Minutes 45 (G) 170 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1869 P.S.I.

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 7/21/81 Recorder No. 1561 Capacity 3200 Test Ticket No. 11665  
 Location 3515 Ft. Elevation 2107 Kelly Bushing Well Temperature 110 °F  
 Clock No. -

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1869</u>	P.S.I.	<u>10:55A</u>	<u>M</u>
B First Initial Flow Pressure	<u>43</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>46</u>	P.S.I.	<u>45</u>	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>604</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>46</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
F Second Final Flow Pressure	<u>46</u>	P.S.I.		
G Final Closed-in Pressure	<u>170</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1869</u>	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 13 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 15 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

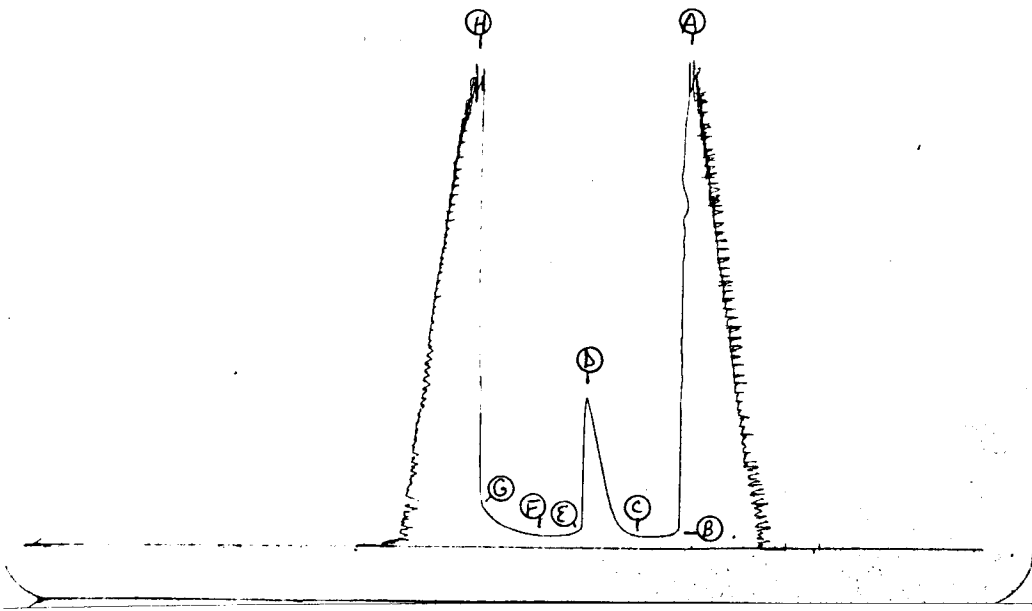
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>43</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>46</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>46</u>	<u>3</u>	<u>49</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>55</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>51</u>
P 4 <u>15</u>	<u>43</u>	<u>9</u>	<u>63</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>53</u>
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>79</u>	<u>20</u>	<u>46</u>	<u>12</u>	<u>57</u>
P 6 <u>25</u>	<u>43</u>	<u>15</u>	<u>99</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>60</u>
P 7 <u>30</u>	<u>46</u>	<u>18</u>	<u>130</u>	<u>30</u>	<u>46</u>	<u>18</u>	<u>68</u>
P 8		<u>21</u>	<u>179</u>			<u>21</u>	<u>72</u>
P 9		<u>24</u>	<u>245</u>			<u>24</u>	<u>79</u>
P10		<u>27</u>	<u>317</u>			<u>27</u>	<u>85</u>
P11		<u>30</u>	<u>393</u>			<u>30</u>	<u>96</u>
P12		<u>33</u>	<u>472</u>			<u>33</u>	<u>107</u>
P13		<u>36</u>	<u>542</u>			<u>36</u>	<u>119</u>
P14		<u>39</u>	<u>604</u>			<u>39</u>	<u>140</u>
P15						<u>42</u>	<u>159</u>
P16						<u>45</u>	<u>170</u>
P17							
P18							
P19							
P20							

1561 ~~1561~~

7-21-81

Rockwood Petro.  
Dauwe #1  
D.S.T. #3

TKT # 11665  
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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1869	1869	PSI
(B) First Initial Flow Pressure	54	43	PSI
(C) First Final Flow Pressure	39	46	PSI
(D) Initial Closed-in Pressure	613	604	PSI
(E) Second Initial Flow Pressure	54	46	PSI
(F) Second Final Flow Pressure	54	46	PSI
(G) Final Closed-in Pressure	164	170	PSI
(H) Final Hydrostatic Mud	1869	1869	PSI

RM 20 28



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Company Rockwood Petroleum Company Lease & Well No. Dauwe #1  
 Elevation 2107 Kelly Bushing Formation Lansing -Zones K-I Effective Pay - Ft. Ticket No. 11666  
 Date 7/21/81 Sec 29 Twp. 10S Range 18W County Rooks State Kansas  
 Test Approved by E. McNeil Western Representative Clyde Scheffe

Formation Test No. 4 Interval Tested from 3523 ft. to 3570 ft. Total Depth 3570 ft.  
 Packer Depth 3518 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3523 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3560 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 3563 ft. Recorder Number 1134 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
 Drilling Contractor Shields Drlg. Co. Rig #2 Drill Collar Length - I. D. - in.  
 Mud Type starch Viscosity 40 Weight Pipe Length 900 I. D. 3.2 in.  
 Weight 9.9 Water Loss 9.6 cc. Drill Pipe Length 2670 I. D. 3.8 in.  
 Chlorides 45,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 47 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow decreasing on initial flow period. No blow on final flow period.

Recovered 15 ft. of oil specked mud  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks: Flushed tool second opening.

Time Set Packer(s) 1:20 A.M. Time Started Off Bottom 3:50 A.M. Maximum Temperature 110°  
P.M. P.M.  
 Initial Hydrostatic Pressure (A) 1909 P.S.I.  
 Initial Flow Period Minutes 30 (B) 44 P.S.I. to (C) 44 P.S.I.  
 Initial Closed In Period Minutes 42 (D) 847 P.S.I.  
 Final Flow Period Minutes 30 (E) 63 P.S.I. to (F) 50 P.S.I.  
 Final Closed In Period Minutes 45 (G) 366 P.S.I.  
 Final Hydrostatic Pressure (H) 1909 P.S.I.

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

Date 7/21/81 Test Ticket No. 11666  
 Recorder No. 1561 Capacity 3200 Location 3560 Ft.  
 Clock No. -- Elevation 2107 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1909</u>	P.S.I.	<u>1:20A</u>	<u>M</u>
B First Initial Flow Pressure	<u>44</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>44</u>	P.S.I.	<u>45</u>	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>847</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>63</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
F Second Final Flow Pressure	<u>50</u>	P.S.I.		
G Final Closed-in Pressure	<u>366</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1909</u>	P.S.I.		

**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>14</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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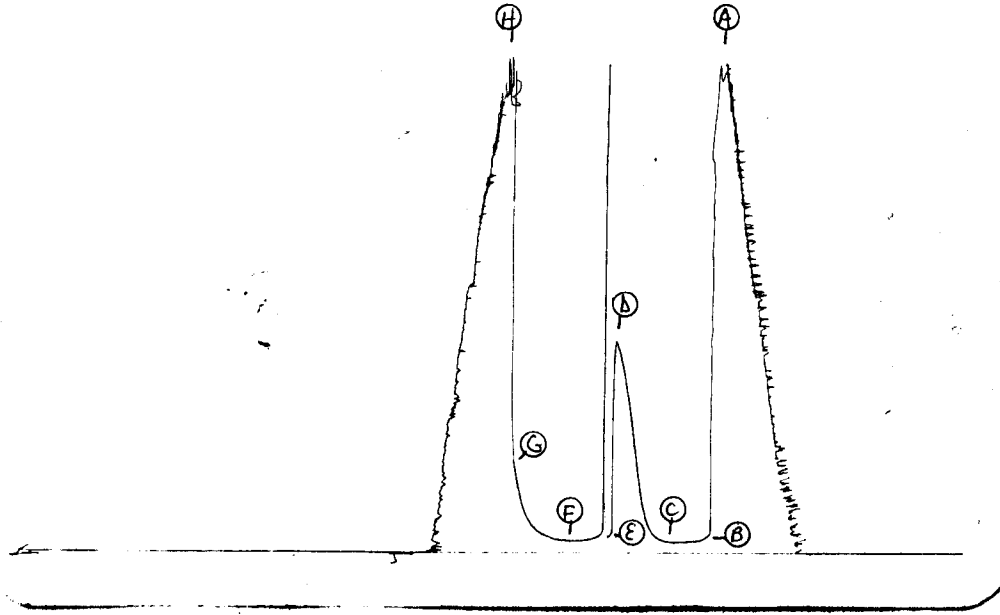
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>44</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>50</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>47</u>	<u>5</u>	<u>FLUSHED TOOL</u>	<u>3</u>	<u>51</u>
P 3 <u>10</u>	<u>44</u>	<u>6</u>	<u>50</u>	<u>10</u>	<u>68</u>	<u>6</u>	<u>52</u>
P 4 <u>15</u>	<u>44</u>	<u>9</u>	<u>57</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>53</u>
P 5 <u>20</u>	<u>44</u>	<u>12</u>	<u>71</u>	<u>20</u>	<u>52</u>	<u>12</u>	<u>57</u>
P 6 <u>25</u>	<u>44</u>	<u>15</u>	<u>93</u>	<u>25</u>	<u>50</u>	<u>15</u>	<u>63</u>
P 7 <u>30</u>	<u>44</u>	<u>18</u>	<u>132</u>	<u>30</u>	<u>50</u>	<u>18</u>	<u>69</u>
P 8		<u>21</u>	<u>192</u>			<u>21</u>	<u>75</u>
P 9		<u>24</u>	<u>204</u>			<u>24</u>	<u>85</u>
P10		<u>27</u>	<u>410</u>			<u>27</u>	<u>100</u>
P11		<u>30</u>	<u>539</u>			<u>30</u>	<u>119</u>
P12		<u>33</u>	<u>643</u>			<u>33</u>	<u>144</u>
P13		<u>36</u>	<u>742</u>			<u>36</u>	<u>187</u>
P14		<u>39</u>	<u>808</u>			<u>39</u>	<u>253</u>
P15		<u>42</u>	<u>847</u>			<u>42</u>	<u>334</u>
P16						<u>45</u>	<u>366</u>
P17							
P18							
P19							
P20							

1561 Top

7-22-81

Rockwood Petro.  
Dauwe #1  
D.S.T #4

TKT # 11666  
I



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1909	1909	PSI
(B) First Initial Flow Pressure	78	44	PSI
(C) First Final Flow Pressure	47	44	PSI
(D) Initial Closed-in Pressure	848	847	PSI
(E) Second Initial Flow Pressure	47	63	PSI
(F) Second Final Flow Pressure	47	50	PSI
(G) Final Closed-in Pressure	368	366	PSI
(H) Final Hydrostatic Mud	1909	1909	PSI

SE NE NE



Home Office: Wichita, Kansas 67201  
 P.O. Box 1599 (316) 262-5861

Company Rockwood Petroleum Company Lease & Well No. Dauwe #1  
 Elevation 2107 Kelly Bushing Formation Simpson Dolomite Effective Pay - Ft. Ticket No. 11667  
 Date 7/22/81 Sec. 29 Twp. 10S Range 18W County Rooks State Kansas  
 Test Approved by E. McNeil Western Representative Clyde Scheffe

Formation Test No. 5 Interval Tested from 3668 ft. to 3685 ft. Total Depth 3685 ft.  
 Packer Depth 3663 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3668 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3658 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 3661 ft. Recorder Number 1134 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Shields Drilling Rig #2 Drill Collar Length - I. D. - in.  
 Mud Type starch Viscosity 46 Weight Pipe Length 900 I. D. 3.2 in.  
 Weight 10.1 Water Loss 11.2 cc. Drill Pipe Length 2785 I. D. 3.8 in.  
 Chlorides 45,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 17 ft. Size 5 1/2 OD  
 Did Well Flow? NO Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 77 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow increasing to strong blow on initial flow period. Strong blow throughout final flow period.

Recovered 90 ft. of gas  
 Recovered 110 ft. of gassy oil  
 Recovered 210 ft. of muddy oil  
 Recovered        ft. of         
 Recovered        ft. of       

Remarks: Tool plugging on second opening.

Time Set Packer(s)	<u>8:55</u>	<del>AM</del> P.M.	Time Started Off Bottom	<u>12:25</u>	<del>AM</del> P.M.	Maximum Temperature	<u>112°</u>
Initial Hydrostatic Pressure			(A)	<u>2014</u>	P.S.I.		
Initial Flow Period	Minutes	<u>25</u>	(B)	<u>59</u>	P.S.I. to (C)	<u>61</u>	P.S.I.
Initial Closed In Period	Minutes	<u>48</u>	(D)	<u>1105</u>	P.S.I.		
Final Flow Period	Minutes	<u>100</u>	(E)	<u>94</u>	P.S.I. to (F)	<u>PLUGGED</u>	P.S.I.
Final Closed In Period	Minutes	<u>39</u>	(G)	<u>1072</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2014</u>	P.S.I.		

**WESTERN TESTING CO., INC.**

**Pressure Data**

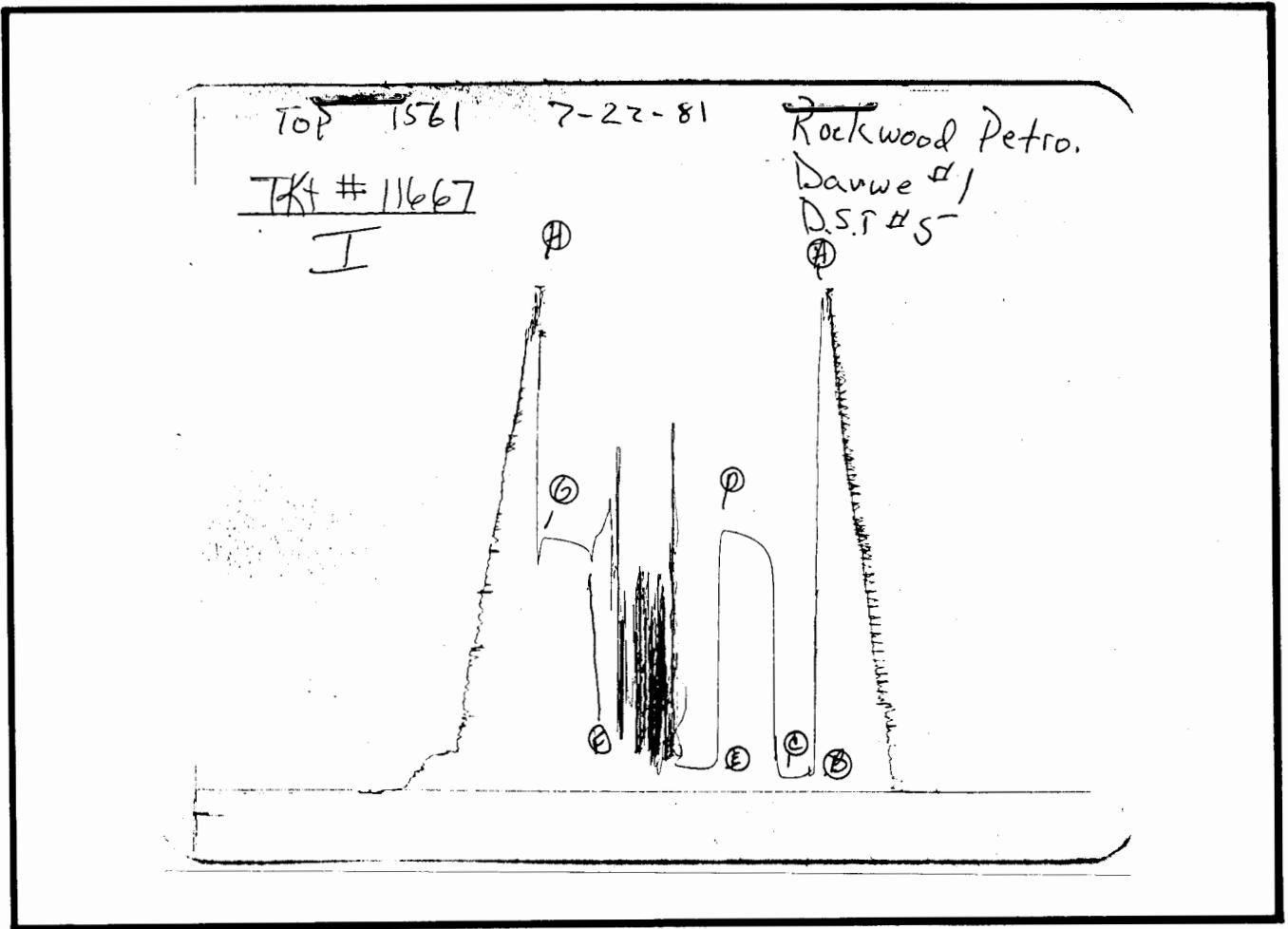
Date 7/22/81 Recorder No. 1561 Capacity 3200 Test Ticket No. 11667  
 Location 3658 Ft.  
 Clock No. -- Elevation 2107 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2014</u>	P.S.I.	<u>8:55P</u>	<u>M</u>
B First Initial Flow Pressure	<u>59</u>	P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>61</u>	P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1105</u>	P.S.I.	<u>90</u> Mins.	<u>100</u> Mins.
E Second Initial Flow Pressure	<u>94</u>	P.S.I.	<u>45</u> Mins.	<u>39</u> Mins.
F Second Final Flow Pressure	<u>PLUGGED</u>	P.S.I.		
G Final Closed-in Pressure	<u>1072</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2014</u>	P.S.I.		

\* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION.

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>13</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		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>0</u>	<u>61</u>	<u>0</u>	<u>94</u>	<u>0</u>	<u>962 *</u>
P 2	<u>5</u>	<u>3</u>	<u>137</u>	<u>5</u>	<u>94</u>	<u>3</u>	<u>1017</u>
P 3	<u>10</u>	<u>6</u>	<u>322</u>	<u>10</u>	<u>94</u>	<u>6</u>	<u>1032</u>
P 4	<u>15</u>	<u>9</u>	<u>912</u>	<u>15</u>	<u>94</u>	<u>9</u>	<u>1041</u>
P 5	<u>20</u>	<u>12</u>	<u>989</u>	<u>20</u>	<u>97</u>	<u>12</u>	<u>1048</u>
P 6	<u>25</u>	<u>15</u>	<u>1019</u>	<u>25</u>	<u>100</u>	<u>15</u>	<u>1052</u>
P 7		<u>18</u>	<u>1040</u>	<u>30</u>	<u>105</u>	<u>18</u>	<u>1057</u>
P 8		<u>21</u>	<u>1054</u>	<u>35</u>	<u>PLUGGED</u>	<u>21</u>	<u>1060</u>
P 9		<u>24</u>	<u>1065</u>	<u>40</u>	<u>PLUGGED</u>	<u>24</u>	<u>1064</u>
P10		<u>27</u>	<u>1075</u>	<u>45</u>	<u>PLUGGED</u>	<u>27</u>	<u>1066</u>
P11		<u>30</u>	<u>1082</u>	<u>50</u>	<u>PLUGGED</u>	<u>30</u>	<u>1068</u>
P12		<u>33</u>	<u>1087</u>	<u>55</u>	<u>PLUGGED</u>	<u>33</u>	<u>1070</u>
P13		<u>36</u>	<u>1092</u>	<u>60</u>	<u>PLUGGED</u>	<u>36</u>	<u>1072</u>
P14		<u>39</u>	<u>1097</u>	<u>65</u>	<u>PLUGGED</u>	<u>39</u>	<u>1072</u>
P15		<u>42</u>	<u>1100</u>	<u>70</u>	<u>PLUGGED</u>		
P16		<u>45</u>	<u>1103</u>	<u>75</u>	<u>PLUGGED</u>		
P17		<u>48</u>	<u>1105</u>	<u>80</u>	<u>PLUGGED</u>		
P18				<u>85</u>	<u>PLUGGED</u>		
P19				<u>90</u>	<u>PLUGGED</u>		
P20				<u>95</u>	<u>PLUGGED</u>		
				<u>100</u>	<u>PLUGGED</u>		



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2014	2014	PSI
(B) First Initial Flow Pressure	70	59	PSI
(C) First Final Flow Pressure	62	61	PSI
(D) Initial Closed-in Pressure	1109	1105	PSI
(E) Second Initial Flow Pressure	102	94	PSI
(F) Second Final Flow Pressure	--	PLUGGED	PSI
(G) Final Closed-in Pressure	1069	1072	PSI
(H) Final Hydrostatic Mud	2014	2014	PSI