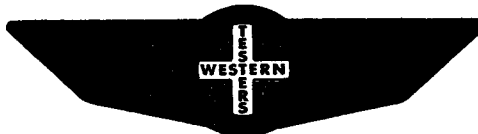


NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b¹	= Approximate Radius of Investigation (Net Pay Zone h¹)	Feet
D.R.	= Damage Ratio	—
EI	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h¹	= Net Pay Thickness	Feet
K	= Permeability	md
K¹	= Permeability (From Net Pay Zone h¹)	md
m	= Slope Extrapolated Pressure Plot (Psi²/cycle Gas)	psi/cycle
OF¹	= Maximum Indicated Flow Rate	MCF/D
OF²	= Minimum Indicated Flow Rate	MCF/D
OF³	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF⁴	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P^S	= Extrapolated Static Pressure	Psig.
P^F	= Final Flow Pressure	Psig.
P^{OT}	= Potentiometric Surface (Fresh Water*)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q¹	= Theoretical Production w/Damage Removed	bbls/day
Q^g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r^w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t^o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
u	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Schindler A-1
Elevation 1933 Derrick Floor Formation Topeka Effective Pay 19 Ft. Ticket No. 15417
Date 3-30-71 Sec. 16 Twp. 8S Range 17W County Rook State Kansas
Test Approved by Raymond R. Dombaugh Western Representative Kenneth Cheney
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3033' to 3052' Total Depth 3052'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. ☐ Damaged Yes ☒ No
Top Packer Depth 3028 Ft. Size 6 3/4" Packer Depth 3033 Ft. Size 6 3/4"
Straddle Yes ☐ No ☒ Conv. ☐ B.T. ☐ Damaged Yes ☐ No
Packer Depth Ft. Size
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.L. Anchor Length 19 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3044 Ft. Clock No. 9725 Depth 3046 Ft. Clock No. 9727
Top Make Kuster Cap. 4150 No. 2607 Inside Bottom Make Kuster Cap. 4150 No. 969 Inside
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Outside
Top Make Cap. No. Inside Bottom Make Cap. No. Outside
Time Set Packer 11:53 A.M.
Tool Open I.F.P. From 11:55 M. to 12:00P M. Hr. 5 Min. From (B) 6 P.S.I. To (C) 8 P.S.I.
Tool Closed I.C.I.P. From 12:00 M. to 12:30P M. Hr. 30 Min. (D) 1039 P.S.I.
Tool Open F.F.P. From 12:30 M. to 1:00P M. Hr. 30 Min. From (E) 23 P.S.I. To (F) 14 P.S.I.
Tool Closed F.C.I.P. From 1:00 M. to 1:45P M. Hr. 45 Min. (G) 941 P.S.I.
Initial Hydrostatic Pressure (A) 1600 P.S.I. Final Hydrostatic Pressure (H) 1579 P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M.
BLOW Very weak for 5 min. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 10' oil cut mud
Reversed Out Yes ☒ No ☐ Mud Type Starch Viscosity 50 Weight 10.1 Water Loss 10.0 cc. Maximum Temp. 98 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?
Length Drill Pipe 2098 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool 39 ft.

Remarks

WESTERN TESTING CO., INC.

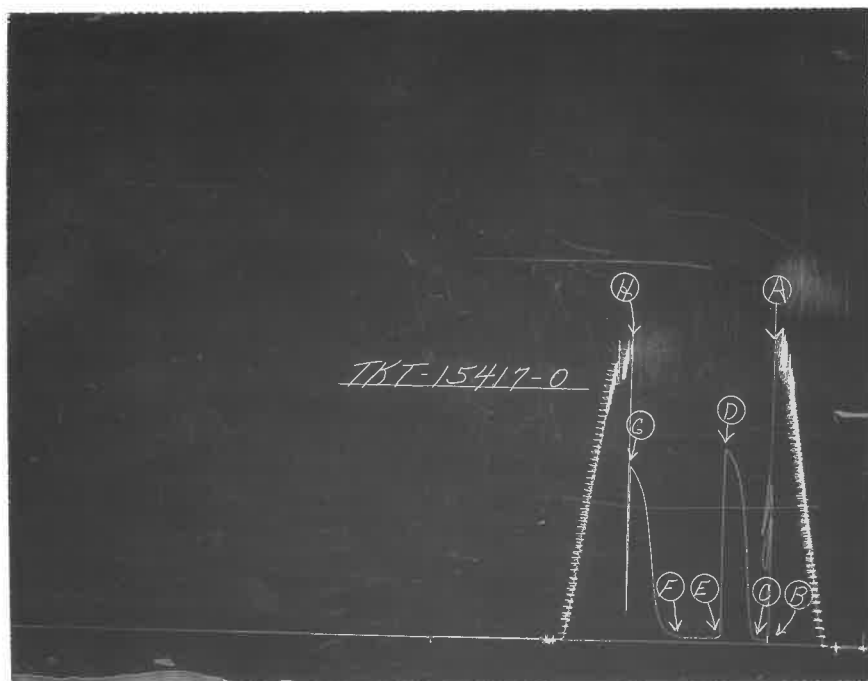
Pressure Data

Date 3-30-71 Recorder No. 2607 Capacity 4150 Test Ticket No. 15417
 Clock No. 9725 Elevation 1933 Derrick Floor Location 3044 Ft.
 Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1600</u> P.S.I.	Open Tool	<u>11:53 A.</u> M	
B First Initial Flow Pressure	<u>6</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>7</u> Mins.
C First Final Flow Pressure	<u>8</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1039</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>23</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>14</u> P.S.I.			
G Final Closed-in Pressure	<u>941</u> P.S.I.			
H Final Hydrostatic Mud	<u>1579</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>15</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>2</u> Min.		final inc. of <u></u> Min.		final inc. of <u></u> Min.		final inc. of <u></u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>6</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>14</u>
P 2 <u>5</u>	<u>7</u>	<u>3</u>	<u>25</u>	<u>5</u>	<u>14</u>	<u>3</u>	<u>15</u>
P 3 <u>7</u>	<u>8</u>	<u>6</u>	<u>160</u>	<u>10</u>	<u>12</u>	<u>6</u>	<u>23</u>
P 4 <u></u>	<u></u>	<u>9</u>	<u>381</u>	<u>15</u>	<u>12</u>	<u>9</u>	<u>35</u>
P 5 <u></u>	<u></u>	<u>12</u>	<u>637</u>	<u>20</u>	<u>12</u>	<u>12</u>	<u>52</u>
P 6 <u></u>	<u></u>	<u>15</u>	<u>816</u>	<u>25</u>	<u>13</u>	<u>15</u>	<u>86</u>
P 7 <u></u>	<u></u>	<u>18</u>	<u>901</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>156</u>
P 8 <u></u>	<u></u>	<u>21</u>	<u>956</u>	<u></u>	<u></u>	<u>21</u>	<u>285</u>
P 9 <u></u>	<u></u>	<u>24</u>	<u>993</u>	<u></u>	<u></u>	<u>24</u>	<u>455</u>
P10 <u></u>	<u></u>	<u>27</u>	<u>1025</u>	<u></u>	<u></u>	<u>27</u>	<u>587</u>
P11 <u></u>	<u></u>	<u>30</u>	<u>1039</u>	<u></u>	<u></u>	<u>30</u>	<u>714</u>
P12 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>33</u>	<u>799</u>
P13 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>36</u>	<u>851</u>
P14 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>39</u>	<u>893</u>
P15 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>42</u>	<u>922</u>
P16 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>45</u>	<u>941</u>
P17 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
P18 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
P19 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
P20 <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1542	1600	PSI
(B) First Initial Flow Pressure	6	6	PSI
(C) First Final Flow Pressure	10	8	PSI
(D) Initial Closed-in Pressure	1039	1039	PSI
(E) Second Initial Flow Pressure	10	23	PSI
(F) Second Final Flow Pressure	16	14	PSI
(G) Final Closed-in Pressure	935	941	PSI
(H) Final Hydrostatic Mud	1622	1579	PSI



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P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Schindler A-1
Elevation 1933 Derrick Floor Formation Kansas City Effective Pay 5 Ft. Ticket No. 15418
Date 3-31-71 Sec. 16 Twp. 8S Range 17W County Rooks State Kansas
Test Approved by Raymond R. Dombaugh Western Representative Kenneth Cheney
Formation Test No. 2 O.K. ☒ Misrun Interval Tested From 3204' to 3243' Total Depth 3243'
Size Main Hole 7 7/8" Rat Hole Conv. ☒ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Top Packer Depth 3199 Ft. Size 6 3/4" Packer Depth 3204 Ft. Size 6 3/4"
Straddle Yes ☒ No ☒ Conv. B.T. Damaged Yes No
Packer Depth Ft. Size
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 39 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3235 Ft. Clock No. 9725 Depth 3237 Ft. Clock No. 9727
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth Clock No. Outside Depth Ft. Clock No. Outside
Top Make Cap. No. Outside Bottom Make Cap. No. Outside
Time Set Packer 8:53 P_M
Tool Open I.F.P. From 8:55 M. to 9:00P M. Hr. 5 Min. From (B) 48 P.S.I. To (C) 44 P.S.I.
Tool Closed I.C.I.P. From 9:00 M. to 9:30P M. Hr. 30 Min. (D) 792 P.S.I.
Tool Open F.F.P. From 9:30 M. to 11:00P M. 1 Hr. 30 Min. From (E) 56 P.S.I. To (F) 179 P.S.I.
Tool Closed F.C.I.P. From 11:00 M. to 12:00 M. 1 Hr. Min. (G) 740 P.S.I.
Initial Hydrostatic Pressure (A) 1763 P.S.I. Final Hydrostatic Pressure (H) 1756 P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Strong Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 60 feet oil and gas cut mud
300 feet oil and gas cut water (5% oil)
Reversed Out Yes ☒ No Mud Type Salt Viscosity 43 Weight 9.9 Water Loss 7.3 cc. Maximum Temp. 103 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?
Length Drill Pipe 2269 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool 59 ft.
Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 3-31-71 Test Ticket No. 15418
 Recorder No. 2607 Capacity 4150 Location 3235 Ft.
 Clock No. 9725 Elevation 1933 Derrick Floor Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1763</u> P.S.I.	Open Tool	<u>8:53P.</u> M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>44</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>792</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>87</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>179</u> P.S.I.			
G Final Closed-in Pressure	<u>740</u> P.S.I.			
H Final Hydrostatic Mud	<u>1756</u> P.S.I.			

PRESSURE BREAKDOWN

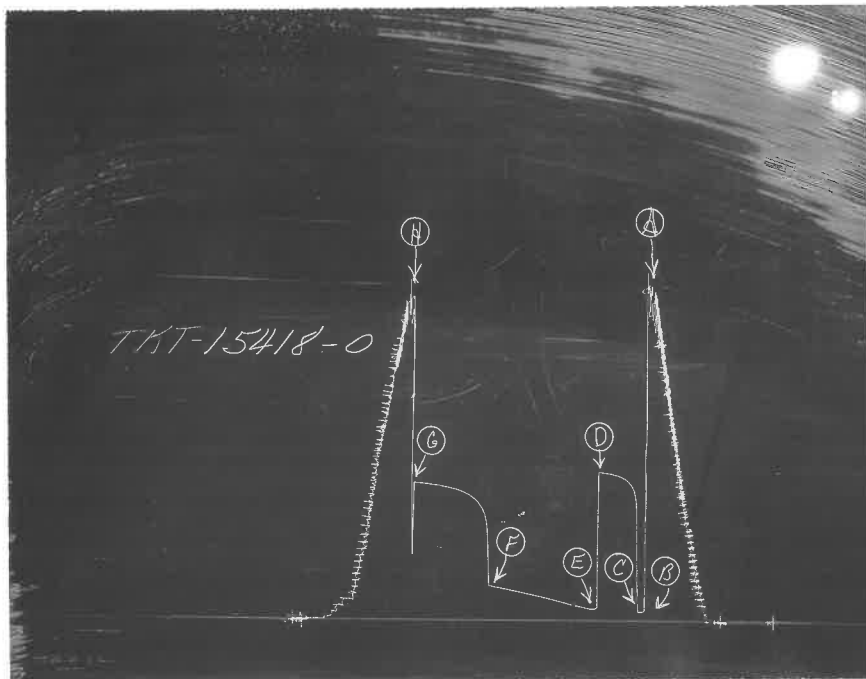
First Flow Pressure
 Breakdown: 1 Inc.
 of 5 mins. and a
 final inc. of Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of Min.

Second Flow Pressure
 Breakdown: 17 Inc.
 of 5 mins. and a
 final inc. of 2 Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>48</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>179</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>647</u>	<u>5</u>	<u>57</u>	<u>3</u>	<u>497</u>
P 3 <u> </u>	<u> </u>	<u>6</u>	<u>714</u>	<u>10</u>	<u>58</u>	<u>6</u>	<u>579</u>
P 4 <u> </u>	<u> </u>	<u>9</u>	<u>739</u>	<u>15</u>	<u>67</u>	<u>9</u>	<u>612</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>755</u>	<u>20</u>	<u>80</u>	<u>12</u>	<u>637</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>768</u>	<u>25</u>	<u>88</u>	<u>15</u>	<u>653</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>778</u>	<u>30</u>	<u>97</u>	<u>18</u>	<u>668</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>784</u>	<u>35</u>	<u>105</u>	<u>21</u>	<u>679</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>789</u>	<u>40</u>	<u>114</u>	<u>24</u>	<u>691</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>791</u>	<u>45</u>	<u>122</u>	<u>27</u>	<u>697</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>792</u>	<u>50</u>	<u>129</u>	<u>30</u>	<u>705</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>135</u>	<u>33</u>	<u>710</u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>60</u>	<u>144</u>	<u>36</u>	<u>714</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>65</u>	<u>150</u>	<u>39</u>	<u>718</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>70</u>	<u>158</u>	<u>42</u>	<u>722</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>75</u>	<u>165</u>	<u>45</u>	<u>727</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>80</u>	<u>171</u>	<u>48</u>	<u>730</u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>85</u>	<u>177</u>	<u>51</u>	<u>733</u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>87</u>	<u>179</u>	<u>54</u>	<u>736</u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>57</u>	<u>738</u>
						<u>60</u>	<u>740</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1731	1763	PSI
(B) First Initial Flow Pressure	37	48	PSI
(C) First Final Flow Pressure	37	44	PSI
(D) Initial Closed-in Pressure	789	792	PSI
(E) Second Initial Flow Pressure	52	56	PSI
(F) Second Final Flow Pressure	169	179	PSI
(G) Final Closed-in Pressure	737	740	PSI
(H) Final Hydrostatic Mud	1762	1756	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Schindler A-1
Elevation 1933 Derrick Floor Formation Kansas City Effective Pay _____ Ft. Ticket No. 15419
Date 4-1-71 Sec. 16 Twp. 8S Range 17W County Rooks State Kansas
Test Approved by Raymond R. Dombaugh Western Representative Kenneth Cheney
Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 3224' to 3276' Total Depth 3276'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 3219 Ft. Size 6 3/4" Packer Depth 3224 Ft. Size 6 3/4"
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 52 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3268 Ft. Clock No. 9725 Depth 3270 Ft. Clock No. 9727
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Outside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
Time Set Packer 10:58 A.M.
Tool Open I.F.P. From 11:00 M. to 11:05A Hr. 5 Min. From (B) 61 P.S.I. To (C) 49 P.S.I.
Tool Closed I.C.I.P. From 11:05 M. to 11:35A Hr. 30 Min. (D) 1119 P.S.I.
Tool Open F.F.P. From 11:35 M. to 12:35P 1 Hr. Min. From (E) 56 P.S.I. To (F) 54 P.S.I.
Tool Closed F.C.I.P. From 12:35 M. to 1:35P 1 Hr. Min. (G) 1043 P.S.I.
Initial Hydrostatic Pressure (A) 1839 P.S.I. Final Hydrostatic Pressure (H) 1827 P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 45 min. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 20 feet salty oil cut mud
Reversed Out _____ Yes ☒ No _____ Mud Type Salt Viscosity 43 Weight 9.9 Water Loss 7.3 cc. Maximum Temp. 107 °F
Type Circ. Sub. Plug Did Tool Plug? _____ Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____
Length Drill Pipe 2289 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 72 ft.
Remarks _____

WESTERN TESTING CO., INC.

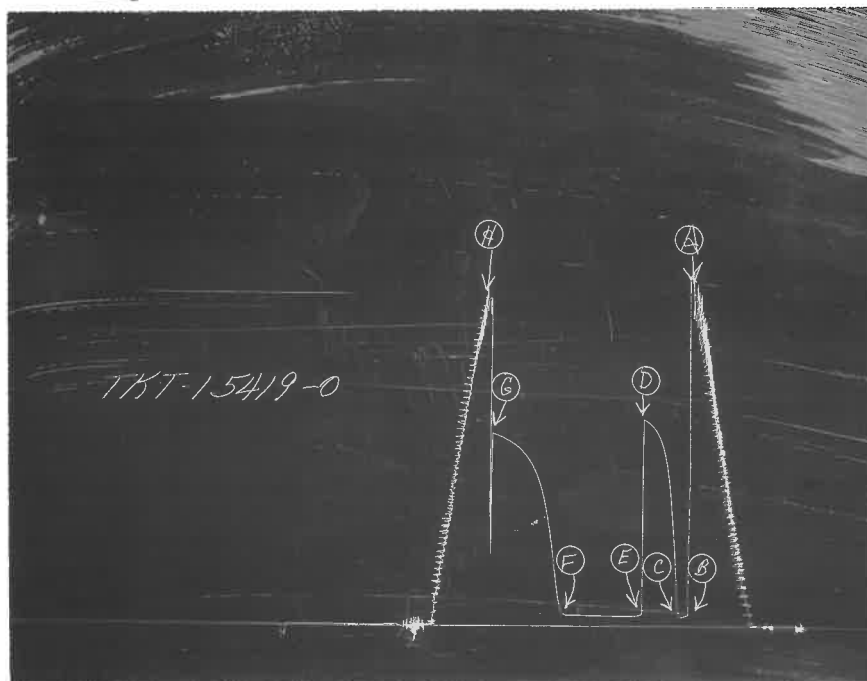
Pressure Data

Date 4-1-71 Test Ticket No. 15419
 Recorder No. 2607 Capacity 4150 Location 3268 Ft.
 Clock No. 9725 Elevation 1933 Derrick Floor Well Temperature 107 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1839</u> P.S.I.	<u>10:58 A.</u>	
B First Initial Flow Pressure	<u>61</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>49</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1119</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	<u>60</u> Mins.	<u>59</u> Mins.
F Second Final Flow Pressure	<u>54</u> P.S.I.		
G Final Closed-in Pressure	<u>1043</u> P.S.I.		
H Final Hydrostatic Mud	<u>1827</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Final Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>61</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>54</u>
P 2 <u>5</u>	<u>49</u>	<u>3</u>	<u>332</u>	<u>5</u>	<u>50</u>	<u>3</u>	<u>73</u>
P 3 <u> </u>	<u> </u>	<u>6</u>	<u>608</u>	<u>10</u>	<u>50</u>	<u>6</u>	<u>148</u>
P 4 <u> </u>	<u> </u>	<u>9</u>	<u>818</u>	<u>15</u>	<u>50</u>	<u>9</u>	<u>279</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>920</u>	<u>20</u>	<u>50</u>	<u>12</u>	<u>480</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>1000</u>	<u>25</u>	<u>51</u>	<u>15</u>	<u>612</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>1041</u>	<u>30</u>	<u>52</u>	<u>18</u>	<u>707</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>1075</u>	<u>35</u>	<u>53</u>	<u>21</u>	<u>780</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1095</u>	<u>40</u>	<u>53</u>	<u>24</u>	<u>831</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1110</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>874</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1119</u>	<u>50</u>	<u>54</u>	<u>30</u>	<u>908</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>54</u>	<u>33</u>	<u>933</u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>60</u>	<u>54</u>	<u>36</u>	<u>954</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>39</u>	<u>972</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>42</u>	<u>989</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>45</u>	<u>1002</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>48</u>	<u>1012</u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>51</u>	<u>1022</u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>54</u>	<u>1035</u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>57</u>	<u>1040</u>
						<u>59</u>	<u>1043</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1851	1839	PSI
(B) First Initial Flow Pressure	42	61	PSI
(C) First Final Flow Pressure	42	49	PSI
(D) Initial Closed-in Pressure	1108	1119	PSI
(E) Second Initial Flow Pressure	48	56	PSI
(F) Second Final Flow Pressure	50	54	PSI
(G) Final Closed-in Pressure	1039	1043	PSI
(H) Final Hydrostatic Mud	1836	1827	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Schindler A-1

Elevation 1936 Kelly Bushings Formation Sand Effective Pay _____ Ft. Ticket No. 15420

Date 4-2-71 Sec. 16 Twp. 8 Range 17 County Rooks State Kansas

Test Approved by Raymond R. Dombaugh Western Representative Leon Elmore

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 3339' to 3370' Total Depth 3370'

Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No

Packer Depth 3336 Ft. Size 6 3/4" Packer Depth 3339 Ft. Size 6 3/4"

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 31 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3363 Ft. Clock No. 9725 Depth 3366 Ft. Clock No. 9727

Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside _____ Bottom Make Kuster Cap. 4150 No. _____ ~~Outside~~ Inside _____

Below Straddle: Depth _____ Clock No. _____ Outside _____ Depth _____ Ft. Clock No. _____ Outside _____

Top Make _____ Cap. _____ No. _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____

Time Set Packer 6:29 A. M.

Tool Open I.F.P. From 6:31 M. to 6:36A. M. Hr. 5 Min. From (B) 41 P.S.I. To (C) 36 P.S.I.

Tool Closed I.C.I.P. From 6:36 M. to 7:06A. M. Hr. 30 Min. (D) 891 P.S.I.

Tool Open F.F.P. From 7:06 M. to 7:36A. M. Hr. 30 Min. From (E) 38 P.S.I. To (F) 42 P.S.I.

Tool Closed F.C.I.P. From 7:36 M. to 8:21A. M. Hr. 45 Min. (G) 836 P.S.I.

Initial Hydrostatic Pressure (A) 1912 P.S.I. Final Hydrostatic Pressure (H) 1889 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Weak for 5 min. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 10 feet mud

Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 43 Weight 9.9 Water Loss 7.2 cc. Maximum Temp. 98 °F

Type Circ. Sub. Plug Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____

Length Drill Pipe 2404 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 51 ft.

Remarks _____

WESTERN TESTING CO., INC.

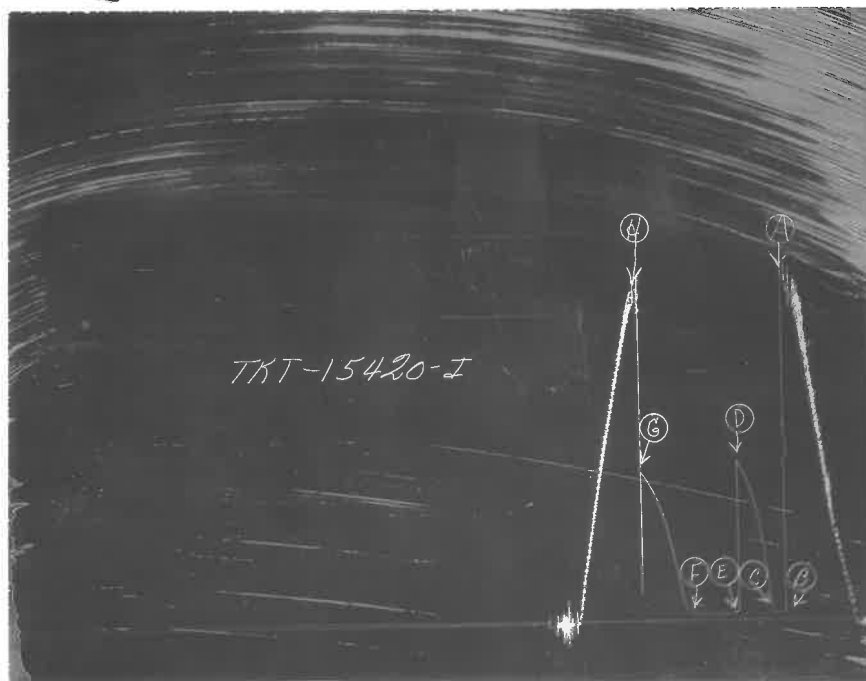
Pressure Data

Date 4-2-71 Test Ticket No. 15420
 Recorder No. 969 Capacity 4150 Location 3363 Ft.
 Clock No. 9727 Elevation 1936 Kelly Bushings Well Temperature 98 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1912</u> P.S.I.	<u>6:29 A.</u> M	
B First Initial Flow Pressure	<u>41</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>891</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>38</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>42</u> P.S.I.		
G Final Closed-in Pressure	<u>836</u> P.S.I.		
H Final Hydrostatic Mud	<u>1889</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Final Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>41</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>42</u>
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>71</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>43</u>
P 3 <u> </u>	<u> </u>	<u>6</u>	<u>235</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>49</u>
P 4 <u> </u>	<u> </u>	<u>9</u>	<u>344</u>	<u>15</u>	<u>39</u>	<u>9</u>	<u>77</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>534</u>	<u>20</u>	<u>41</u>	<u>12</u>	<u>149</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>627</u>	<u>25</u>	<u>42</u>	<u>15</u>	<u>239</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>700</u>	<u>30</u>	<u>42</u>	<u>18</u>	<u>317</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>782</u>	<u> </u>	<u> </u>	<u>21</u>	<u>420</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>831</u>	<u> </u>	<u> </u>	<u>24</u>	<u>518</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>860</u>	<u> </u>	<u> </u>	<u>27</u>	<u>581</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>891</u>	<u> </u>	<u> </u>	<u>30</u>	<u>653</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>33</u>	<u>704</u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>36</u>	<u>754</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>39</u>	<u>792</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>42</u>	<u>819</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>45</u>	<u>836</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1916	1912	PSI
(B) First Initial Flow Pressure	51	41	PSI
(C) First Final Flow Pressure	40	36	PSI
(D) Initial Closed-in Pressure	891	891	PSI
(E) Second Initial Flow Pressure	45	38	PSI
(F) Second Final Flow Pressure	45	42	PSI
(G) Final Closed-in Pressure	835	836	PSI
(H) Final Hydrostatic Mud	1895	1889	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Schindler A-1
Elevation 1936 Kelly Bushings Formation Arbuckle Effective Pay 7 Ft. Ticket No. 15421
Date 4-2-71 Sec. 16 Twp. 8 Range 17 County Rooks State Kansas
Test Approved by Raymond R. Dombaugh Western Representative Leon Elmore
Formation Test No. 5 O.K. ☒ Misrun ☐ Interval Tested From 3386' to 3410' Total Depth 3410'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐
Packer Depth 3381 Ft. Size 6 3/4" Packer Depth 3386 Ft. Size 6 3/4"
Straddle Yes ☐ No ☒ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth Ft. Size
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 24 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3400 Ft. Clock No. 9725 Depth 3403 Ft. Clock No. 9727
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Outside~~ Inside
Below Straddle: Depth Clock No. Outside Inside Depth Ft. Clock No. Outside Inside
Top Make Cap. No. Outside Inside Bottom Make Cap. No. Inside Outside
Time Set Packer 11:28 P.M.
Tool Open I.F.P. From 11:30 M. to 11:35 M. Hr. 5 Min. From (B) 36 P.S.I. To (C) 26 P.S.I.
Tool Closed I.C.I.P. From 11:35 M. to 12:05 M. Hr. 30 Min. (D) 44 P.S.I.
Tool Open F.F.P. From 12:05 M. to 12:35 M. Hr. 30 Min. From (E) 28 P.S.I. To (F) 28 P.S.I.
Tool Closed F.C.I.P. From 12:35 M. to 1:20 A.M. Hr. 45 Min. (G) 33 P.S.I.
Initial Hydrostatic Pressure (A) 1943 P.S.I. Final Hydrostatic Pressure (H) 1922 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M.
BLOW Weak for 5 min. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 5 feet mud
Reversed Out Yes ☒ No ☐ Mud Type Starch Viscosity 54 Weight 10.1 Water Loss 7.2 cc. Maximum Temp. 100 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?
Length Drill Pipe 2451 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool 44 ft.
Remarks

WESTERN TESTING CO., INC.

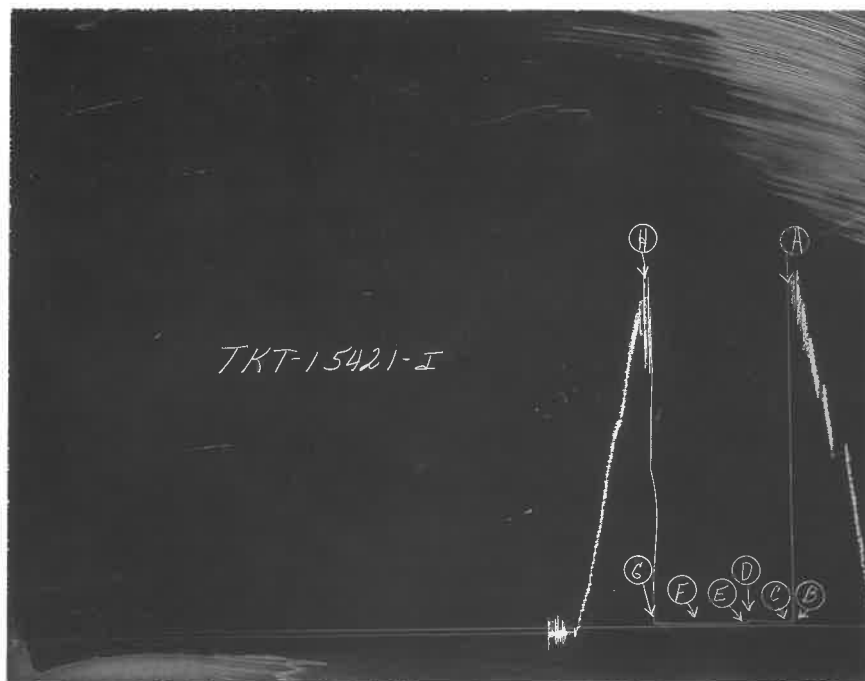
Pressure Data

Date 4-2-71 Recorder No. 969 Capacity 4150 Test Ticket No. 15421
 Clock No. 9725 Elevation 1936 Kelly Bushings Location 3400 Ft.
 Well Temperature 100 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1943</u> P.S.I.	Open Tool	<u>11:28 P. M.</u>	
B First Initial Flow Pressure	<u>36</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>26</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>44</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>28</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>28</u> P.S.I.			
G Final Closed-in Pressure	<u>33</u> P.S.I.			
H Final Hydrostatic Mud	<u>1922</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Final Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>36</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>
P 2 <u>5</u>	<u>26</u>	<u>3</u>	<u>26</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>28</u>
P 3 _____		<u>6</u>	<u>27</u>	<u>10</u>	<u>28</u>	<u>6</u>	<u>28</u>
P 4 _____		<u>9</u>	<u>28</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>28</u>
P 5 _____		<u>12</u>	<u>29</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>29</u>
P 6 _____		<u>15</u>	<u>30</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>29</u>
P 7 _____		<u>18</u>	<u>32</u>	<u>30</u>	<u>28</u>	<u>18</u>	<u>29</u>
P 8 _____		<u>21</u>	<u>35</u>			<u>21</u>	<u>29</u>
P 9 _____		<u>24</u>	<u>38</u>			<u>24</u>	<u>30</u>
P10 _____		<u>27</u>	<u>41</u>			<u>27</u>	<u>30</u>
P11 _____		<u>30</u>	<u>44</u>			<u>30</u>	<u>31</u>
P12 _____						<u>33</u>	<u>31</u>
P13 _____						<u>36</u>	<u>31</u>
P14 _____						<u>39</u>	<u>32</u>
P15 _____						<u>42</u>	<u>32</u>
P16 _____						<u>45</u>	<u>33</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1942	1943	PSI
(B) First Initial Flow Pressure	30	36	PSI
(C) First Final Flow Pressure	25	26	PSI
(D) Initial Closed-in Pressure	45	44	PSI
(E) Second Initial Flow Pressure	25	28	PSI
(F) Second Final Flow Pressure	25	28	PSI
(G) Final Closed-in Pressure	30	33	PSI
(H) Final Hydrostatic Mud	1916	1922	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Schindler A-1
Elevation 1936 Kelly Bushings Formation Arbuckle Effective Pay 13 Ft. Ticket No. 15422
Date 4-3-71 Sec. 16 Twp. 8 Range 17 County Rooks State Kansas
Test Approved by Raymond R. Dombaugh Western Representative Leon Elmore
Formation Test No. 6 O.K. ☒ Misrun Interval Tested From 3407' to 3420' Total Depth 3420'
Size Main Hole 7 7/8" Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth 3402 Ft. Size 6 3/4" Packer Depth 3407 Ft. Size 6 3/4"
Straddle Yes ☐ No ☒ Conv. B.T. Damaged Yes ☐ No
Packer Depth Ft. Size
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 13 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3411 Ft. Clock No. 9725 Depth 3414 Ft. Clock No. 9727
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside
Below Straddle: Depth Clock No. Outside Depth Ft. Clock No. Outside
Top Make Cap. No. Outside Bottom Make Cap. No. Outside
Time Set Packer 10:13 A.M.
Tool Open I.F.P. From 10:15 M. to 10:21A Hr. 6 Min. From (B) 32 P.S.I. To (C) 26 P.S.I.
Tool Closed I.C.I.P. From 10:21 M. to 10:51A Hr. 30 Min. (D) 1016 P.S.I.
Tool Open F.F.P. From 10:51 M. to 11:21A Hr. 30 Min. From (E) 29 P.S.I. To (F) 29 P.S.I.
Tool Closed F.C.I.P. From 11:21 M. to 12:06P Hr. 45 Min. (G) 959 P.S.I.
Initial Hydrostatic Pressure (A) 1917 P.S.I. Final Hydrostatic Pressure (H) 1901 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M.
BLOW Weak for 5 min. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 20 feet mud with few oil spots
Reversed Out Yes ☒ No ☐ Mud Type Starch Viscosity 54 Weight 10.1 Water Loss 12 cc. Maximum Temp. 100 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?
Length Drill Pipe 2472 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool 33 ft.
Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 4-3-71 Test Ticket No. 15422

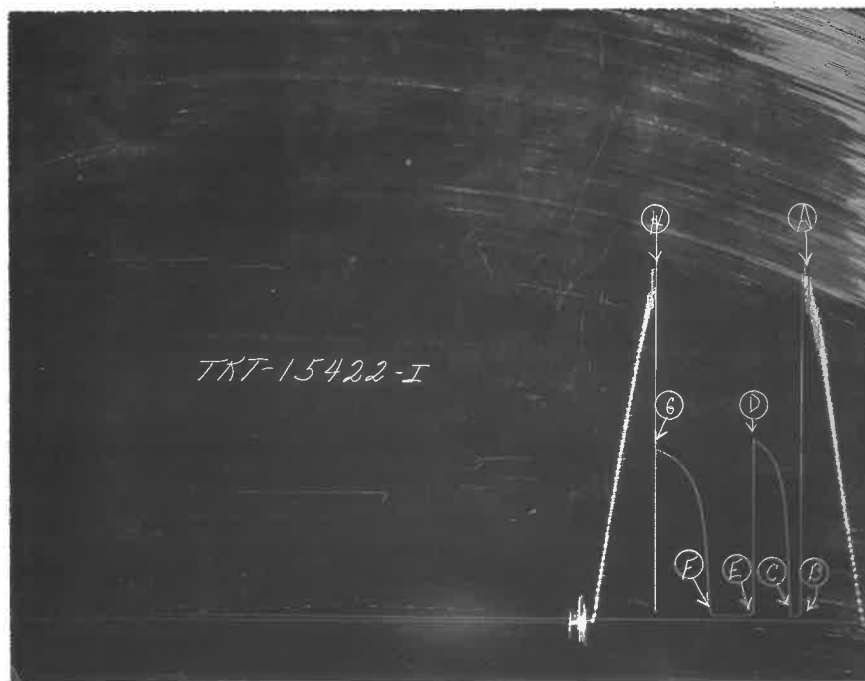
Recorder No. 969 Capacity 4150 Location 3411 Ft.

Clock No. 9725 Elevation 1936 Kelly Bushings Well Temperature 100 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1917</u> P.S.I.	<u>10:13</u> A. M.	
B First Initial Flow Pressure	<u>32</u> P.S.I.	<u>6</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>26</u> P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>1016</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>29</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>29</u> P.S.I.		
G Final Closed-in Pressure	<u>959</u> P.S.I.		
H Final Hydrostatic Mud	<u>1901</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>15</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> </u> Min.		final inc. of <u>2</u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> 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>26</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>29</u>
P 2 <u>5</u>	<u>26</u>	<u>3</u>	<u>516</u>	<u>5</u>	<u>29</u>	<u>3</u>	<u>46</u>
P 3 <u> </u>	<u> </u>	<u>6</u>	<u>727</u>	<u>10</u>	<u>29</u>	<u>6</u>	<u>278</u>
P 4 <u> </u>	<u> </u>	<u>9</u>	<u>825</u>	<u>15</u>	<u>29</u>	<u>9</u>	<u>538</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>891</u>	<u>20</u>	<u>29</u>	<u>12</u>	<u>647</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>934</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>735</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>963</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>784</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>985</u>	<u> </u>	<u> </u>	<u>21</u>	<u>829</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1000</u>	<u> </u>	<u> </u>	<u>24</u>	<u>858</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1008</u>	<u> </u>	<u> </u>	<u>27</u>	<u>883</u>
P11 <u> </u>	<u> </u>	<u>29</u>	<u>1016</u>	<u> </u>	<u> </u>	<u>30</u>	<u>901</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>33</u>	<u>918</u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>36</u>	<u>932</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>39</u>	<u>942</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>42</u>	<u>951</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>45</u>	<u>959</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1905	1917	PSI
(B) First Initial Flow Pressure	35	32	PSI
(C) First Final Flow Pressure	30	26	PSI
(D) Initial Closed-in Pressure	1014	1016	PSI
(E) Second Initial Flow Pressure	30	29	PSI
(F) Second Final Flow Pressure	30	29	PSI
(G) Final Closed-in Pressure	958	959	PSI
(H) Final Hydrostatic Mud	1884	1901	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Schindler A-1
Elevation 1936 Kelly Bushings Formation Arbuckle Effective Pay 15 Ft. Ticket No. 15423
Date 4-3-71 Sec. 16 Twp. 8 Range 17 County Rooks State Kansas
Test Approved by Raymond R. Dombaugh Western Representative Leon Elmore
Formation Test No. 7 O.K. ☒ Misrun ☐ Interval Tested From 3420' to 3435' Total Depth 3435'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Packer Depth 3415 Ft. Size 6 3/4" Packer Depth 3420 Ft. Size 6 3/4"
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth Ft. Size
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 15 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3428 Ft. Clock No. 9725 Depth 3431 Ft. Clock No. 9727
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside
Below Straddle: Depth Clock No. Outside Inside
Top Make Cap. No. Outside Inside
Bottom Make Cap. No. Outside Inside
Time Set Packer 10:28 P.M.
Tool Open I.F.P. From 10:30 M. to 10:35 P.M. Hr. 5 Min. From (B) 44 P.S.I. To (C) 38 P.S.I.
Tool Closed I.C.I.P. From 10:35 M. to 11:05 P.M. Hr. 30 Min. (D) 1098 P.S.I.
Tool Open F.F.P. From 11:05 M. to 1:05 A.M. 2 Hr. Min. From (E) 50 P.S.I. To (F) 125 P.S.I.
Tool Closed F.C.I.P. From 1:05 M. to 2:05 A.M. 1 Hr. Min. (G) 1058 P.S.I.
Initial Hydrostatic Pressure (A) 1906 P.S.I. Final Hydrostatic Pressure (H) 1896 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M.
BLOW Weak thru out test Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 190 feet muddy salt water
Reversed Out ☒ Yes ☐ No Mud Type Starch Viscosity 55 Weight 10 Water Loss 12 cc. Maximum Temp. 104 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?
Length Drill Pipe 2485 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool 35 ft.
Remarks

WESTERN TESTING CO., INC.

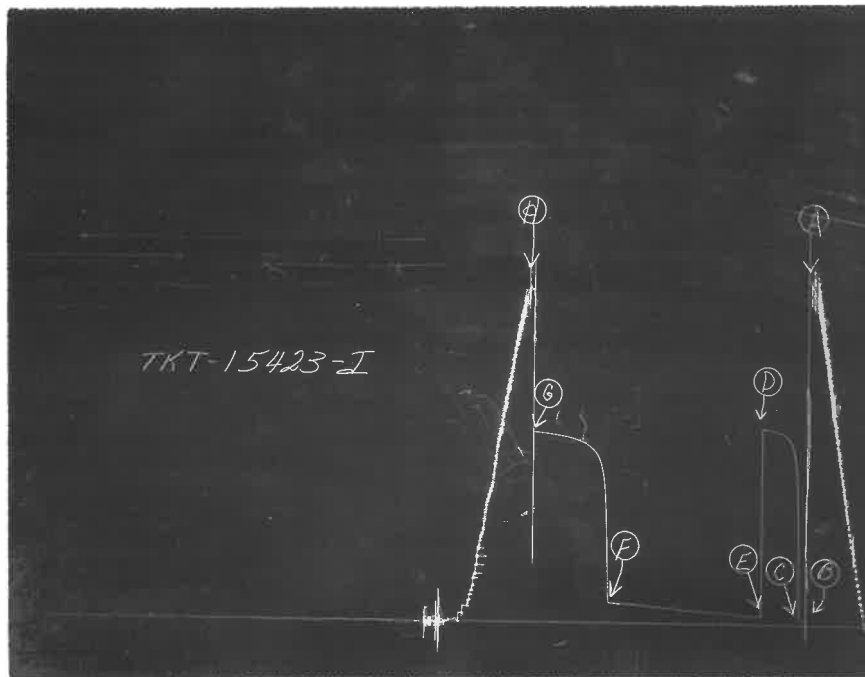
Pressure Data

Date 4-3-71 Recorder No. 969 Capacity 4150 Test Ticket No. 15423
 Clock No. 9727 Elevation 1936 Kelly Bushings Location 3428 Ft. 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1906</u> P.S.I.	Open Tool	<u>10:28 P. M.</u>	
B First Initial Flow Pressure	<u>44</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>38</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1098</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>50</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>125</u> P.S.I.			
G Final Closed-in Pressure	<u>1058</u> P.S.I.			
H Final Hydrostatic Mud	<u>1896</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.		Second Flow Pressure Breakdown: <u>24</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>44</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>125</u>
P 2 <u>5</u>	<u>38</u>	<u>3</u>	<u>854</u>	<u>5</u>	<u>52</u>	<u>3</u>	<u>512</u>
P 3 <u> </u>	<u> </u>	<u>6</u>	<u>1012</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>870</u>
P 4 <u> </u>	<u> </u>	<u>9</u>	<u>1053</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>932</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>1071</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>963</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>1079</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>985</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>1088</u>	<u>30</u>	<u>67</u>	<u>18</u>	<u>997</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>1092</u>	<u>35</u>	<u>69</u>	<u>21</u>	<u>1008</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1094</u>	<u>40</u>	<u>71</u>	<u>24</u>	<u>1016</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1096</u>	<u>45</u>	<u>75</u>	<u>27</u>	<u>1022</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1098</u>	<u>50</u>	<u>77</u>	<u>30</u>	<u>1028</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>81</u>	<u>33</u>	<u>1034</u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>60</u>	<u>85</u>	<u>36</u>	<u>1036</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>65</u>	<u>89</u>	<u>39</u>	<u>1041</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>70</u>	<u>92</u>	<u>42</u>	<u>1045</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>75</u>	<u>96</u>	<u>45</u>	<u>1047</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>80</u>	<u>99</u>	<u>48</u>	<u>1051</u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>85</u>	<u>103</u>	<u>51</u>	<u>1054</u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>90</u>	<u>106</u>	<u>54</u>	<u>1056</u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>95</u>	<u>109</u>	<u>57</u>	<u>1057</u>
				<u>100</u>	<u>113</u>	<u>60</u>	<u>1058</u>
				<u>105</u>	<u>116</u>		
				<u>110</u>	<u>119</u>		
				<u>115</u>	<u>122</u>		
				<u>120</u>	<u>125</u>		



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1895	1906	PSI
(B) First Initial Flow Pressure	51	44	PSI
(C) First Final Flow Pressure	40	38	PSI
(D) Initial Closed-in Pressure	1101	1098	PSI
(E) Second Initial Flow Pressure	61	50	PSI
(F) Second Final Flow Pressure	122	125	PSI
(G) Final Closed-in Pressure	1055	1058	PSI
(H) Final Hydrostatic Mud	1853	1896	PSI