

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P. O. Box 1599

Phone (316) 838-0601

COMPANY Ilus Industries, Inc. LEASE AND WELL NO. Pickens #1 SEC. 25 TWP. 15S RGE. 9W TEST NO. 1 DATE 6-1-



Home Office: Wichita, Kansas 67201

Company Ilus Industries, Inc. P. O. Box 1599 (316) 838-0601 Lease & Well No. Pickens #1

Elevation ----- Formation Savery Sand Effective Pay ----- Ft. Ticket No. 1093

Date 6-1-78 Sec. 25 Twp. 15S Range 9W County Ellsworth State Kansas

Test Approved by Toby Elster Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 2251 ft. to 2274 ft. Total Depth 2274 ft.

Packer Depth 2246 ft. Size 6 3/4 in. Packer Depth 2251 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) 2265 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 2268 ft. Recorder Number 3659 Cap. 4000

Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. -----

Drilling Contractor Emphasis Oil Operations Rig #1 Drill Collar Length 95 I. D. 2.7 in.

Mud Type Starch Viscosity 35 Weight Pipe Length ----- I. D. ----- in.

Weight 9.7 Water Loss 23.6 cc. Drill Pipe Length 2156 I. D. 3.8 in.

Chlorides 96,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make ----- Serial Number ----- Anchor Length 23 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.

Blow: Strong blow throughout test.

Recovered 230 ft. of muddy water Chlorides checked: 210,000 ppm

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Remarks: Slid tool 6' to bottom

Time Set Packer(s) 7:38 ~~A.M.~~ P.M. Time Started Off Bottom 11:40 ~~A.M.~~ P.M. Maximum Temperature 98

Initial Hydrostatic Pressure (A) 1244 P.S.I.

Initial Flow Period Minutes 60 (B) 85 P.S.I. to (C) 89 P.S.I.

Initial Closed In Period Minutes 60 (D) 820 P.S.I.

Final Flow Period Minutes 60 (E) 120 P.S.I. to (F) 121 P.S.I.

Final Closed In Period Minutes 60 (G) 792 P.S.I.

Final Hydrostatic Pressure (H) 1233 P.S.I.

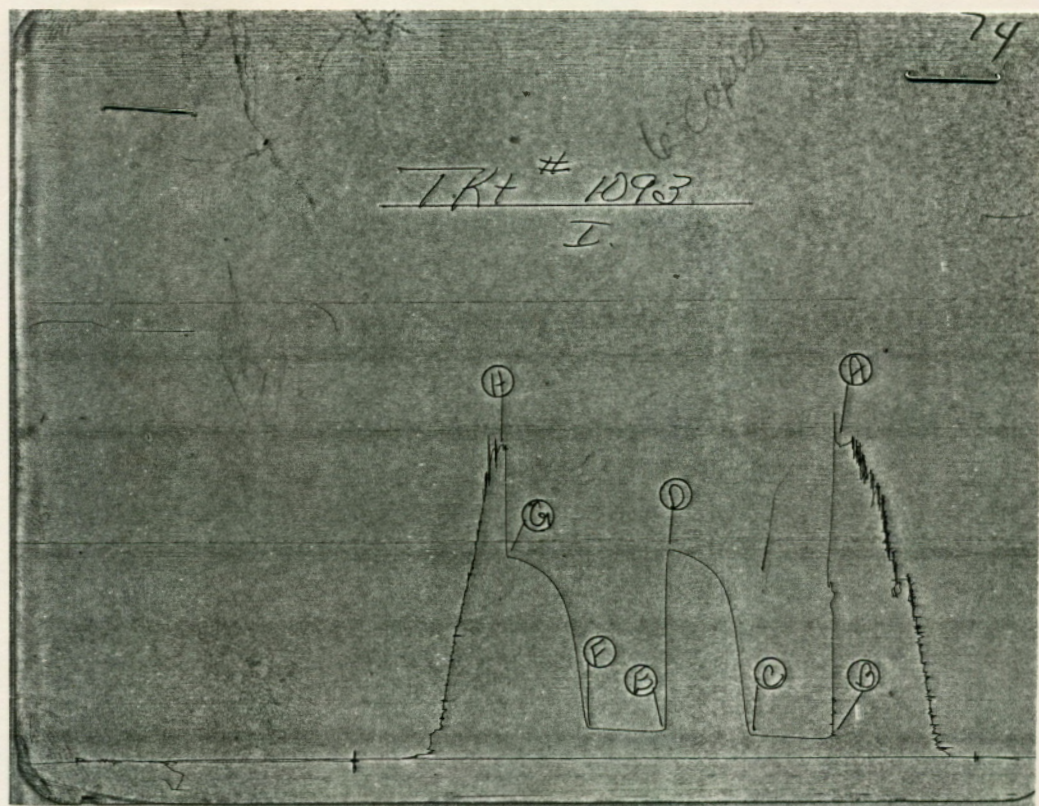
WESTERN TESTING CO., INC.
Pressure Data

Date 6/1/78 Test Ticket No. 1093
 Recorder No. 3474 Capacity 3000 Location 2265 Ft.
 Clock No. ----- Elevation ----- Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1244</u> P.S.I.	Open Tool	<u>7:38P</u> M	
B First Initial Flow Pressure	<u>85</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>89</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>820</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>120</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>121</u> P.S.I.			
G Final Closed-in Pressure	<u>792</u> P.S.I.			
H Final Hydrostatic Mud	<u>1233</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</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> 85	<u>0</u>	<u>89</u>	<u>0</u>	<u>120</u>	<u>0</u>	<u>121</u>
P 2	<u>5</u> 71	<u>3</u>	<u>126</u>	<u>5</u>	<u>105</u>	<u>3</u>	<u>144</u>
P 3	<u>10</u> 71	<u>6</u>	<u>232</u>	<u>10</u>	<u>103</u>	<u>6</u>	<u>229</u>
P 4	<u>15</u> 73	<u>9</u>	<u>385</u>	<u>15</u>	<u>106</u>	<u>9</u>	<u>362</u>
P 5	<u>20</u> 76	<u>12</u>	<u>500</u>	<u>20</u>	<u>109</u>	<u>12</u>	<u>466</u>
P 6	<u>25</u> 7	<u>15</u>	<u>583</u>	<u>25</u>	<u>111</u>	<u>15</u>	<u>541</u>
P 7	<u>30</u> 79	<u>18</u>	<u>648</u>	<u>30</u>	<u>112</u>	<u>18</u>	<u>600</u>
P 8	<u>35</u> 82	<u>21</u>	<u>680</u>	<u>35</u>	<u>114</u>	<u>21</u>	<u>638</u>
P 9	<u>40</u> 83	<u>24</u>	<u>711</u>	<u>40</u>	<u>115</u>	<u>24</u>	<u>668</u>
P10	<u>45</u> 83	<u>27</u>	<u>730</u>	<u>45</u>	<u>117</u>	<u>27</u>	<u>691</u>
P11	<u>50</u> 86	<u>30</u>	<u>745</u>	<u>50</u>	<u>120</u>	<u>30</u>	<u>712</u>
P12	<u>55</u> 88	<u>33</u>	<u>759</u>	<u>55</u>	<u>121</u>	<u>33</u>	<u>726</u>
P13	<u>60</u> 89	<u>36</u>	<u>768</u>			<u>36</u>	<u>736</u>
P14		<u>39</u>	<u>779</u>			<u>39</u>	<u>750</u>
P15		<u>42</u>	<u>789</u>			<u>42</u>	<u>759</u>
P16		<u>45</u>	<u>795</u>			<u>45</u>	<u>768</u>
P17		<u>48</u>	<u>802</u>			<u>48</u>	<u>774</u>
P18		<u>51</u>	<u>808</u>			<u>51</u>	<u>782</u>
P19		<u>54</u>	<u>814</u>			<u>54</u>	<u>786</u>
P20		<u>57</u>	<u>818</u>			<u>57</u>	<u>791</u>
		<u>60</u>	<u>820</u>			<u>60</u>	<u>792</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1258	1244	PSI
(B) First Initial Flow Pressure	84	85	PSI
(C) First Final Flow Pressure	92	89	PSI
(D) Initial Closed-in Pressure	820	825	PSI
(E) Second Initial Flow Pressure	107	120	PSI
(F) Second Final Flow Pressure	115	121	PSI
(G) Final Closed-in Pressure	795	792	PSI
(H) Final Hydrostatic Mud	1235	1233	PSI

FORMATION TEST REPORT



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Phone (316) 838-0601

COMPANY _____ ITus Industries, Inc.
LEASE AND WELL NO. _____ Pickens #1
SEC. 25
TWP. 15S
RGE. _____
9W
TEST NO. 2
DATE 6-3



Home Office: Wichita, Kansas 67201

Company Ilus Industries, Inc. P. O. Box 1599 (316) 838-0601 Lease & Well No. Pickens #1
 Elevation 1640 Kelly Bush Formation Douglas Sand Effective Pay ----- Ft. Ticket No. 1094
 Date 6-3-78 Sec. 25 Twp. 15S Range 9W County Ellsworth State Kansas
 Test Approved by Toby Elster Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 2569 ft. to 2605 ft. Total Depth 2605 ft.
 Packer Depth 2563 ft. Size 6 3/4 in. Packer Depth 2569 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) 2571 ft. Recorder Number 3474 Cap 3000
 Bottom Recorder Depth (Outside) 2576 ft. Recorder Number 3659 Cap 4000
 Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap -----

Drilling Contractor Emphasis Oil Operations Rig #1 Drill Collar Length 95 I. D. 2.7 in.
 Mud Type Starch Viscosity 36 Weight Pipe Length ----- I. D. ----- in.
 Weight 10.0 Water Loss 18.6 cc. Drill Pipe Length 2474 I. D. 3.8 in.
 Chlorides 123,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
 Jars: Make ----- Serial Number ----- Anchor Length 36 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.

Blow: Strong blow throughout initial flow period. Strong blow decreased to good blow after 30 minutes on final flow period.

Recovered 2168 ft. of drilling mud.
 Recovered 240 ft. of watery mud.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s)	<u>12:43</u>	A.M. P.M.	Time Started Off Bottom	<u>4:45</u>	A.M. P.M.	Maximum Temperature	<u>96</u>
Initial Hydrostatic Pressure	(A)	<u>1395</u>		P.S.I.			
Initial Flow Period	Minutes	<u>60</u>	(B)	<u>956</u>	P.S.I. to (C)	<u>1132</u>	P.S.I.
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>1171</u>	P.S.I.		
Final Flow Period	Minutes	<u>60</u>	(E)	<u>1162</u>	P.S.I. to (F)	<u>1163</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>1170</u>	P.S.I.		
Final Hydrostatic Pressure	(H)	<u>1380</u>		P.S.I.			

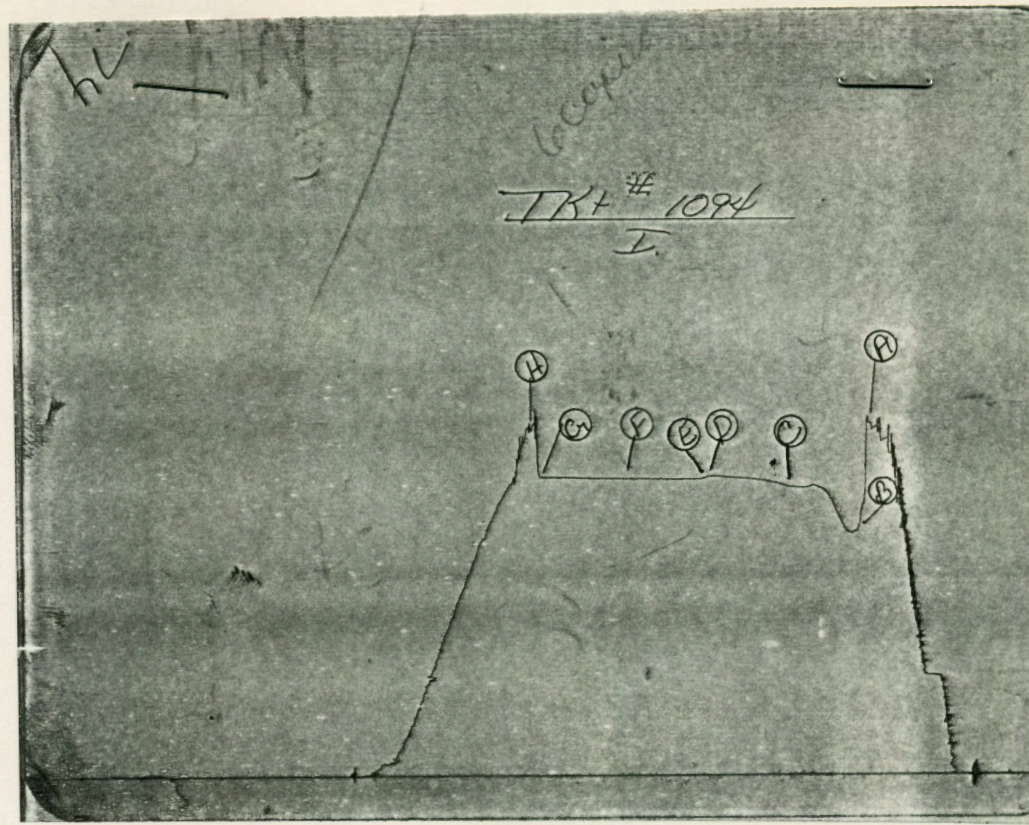
WESTERN TESTING CO., INC.
Pressure Data

Date 6/3/78 Test Ticket No. 1094
 Recorder No. 3474 Capacity 3000 Location 2571
 Clock No. ----- Elevation 1640 Kelly Bushing Well Temperature 96

Point	Pressure			Time Given	Time Computed
A. Initial Hydrostatic Mud	1395	P.S.I.	Open Tool	12:43P	M
B. First Initial Flow Pressure	956	P.S.I.	First Flow Pressure	60	Mins. 50 Min
C. First Final Flow Pressure	1132	P.S.I.	Initial Closed-in Pressure	60	Mins. 51 Min
D. Initial Closed-in Pressure	1171	P.S.I.	Second Flow Pressure	60	Mins. 60 Min
E. Second Initial Flow Pressure	1162	P.S.I.	Final Closed-in Pressure	60	Mins. 60 Min
F. Second Final Flow Pressure	1163	P.S.I.			
G. Final Closed-in Pressure	1170	P.S.I.			
H. Final Hydrostatic Mud	1380	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>10</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>17</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</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	0	956	0	1132	0	1162	0	1163
P 2	5	948	3	1141	-5	1160	3	1163
P 3	10	985	6	1147	10	1160	6	1163
P 4	15	1044	9	1152	15	1160	9	1163
P 5	20	1097	12	1153	20	1160	12	1164
P 6	25	1123	15	1156	25	1160	15	1164
P 7	30	1135	18	1159	30	1161	18	1164
P 8	35	1129	21	1161	35	1161	21	1165
P 9	40	1126	24	1162	40	1162	24	1165
P10	45	1129	27	1163	45	1162	27	1165
P11	50	1132	30	1164	50	1163	30	1166
P12			33	1165	55	1163	33	1167
P13			36	1167	60	1163	36	1167
P14			39	1168			39	1168
P15			42	1169			42	1168
P16			45	1170			45	1169
P17			48	1171			48	1169
P18			51	1171			51	1169
P19							54	1170
P20							57	1170
							60	1170



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1417	1395	PSI
(B) First Initial Flow Pressure	969	956	PSI
(C) First Final Flow Pressure	1144	1132	PSI
(D) Initial Closed-in Pressure	1182	1171	PSI
(E) Second Initial Flow Pressure	1159	1162	PSI
(F) Second Final Flow Pressure	1167	1163	PSI
(G) Final Closed-in Pressure	1167	1170	PSI
(H) Final Hydrostatic Mud	1395	1380	PSI

FORMATION TEST REPORT



Home Office:

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COMPLAINT _____
LEASE AND WELL NO. _____
F LINES # 1 _____
SEC. _____
Z3 TWP. _____
LJS RGE. _____
9W TEST NO. _____
3 DATE _____



Home Office: Wichita, Kansas 67201

Company Ilus Industries, Inc. P. O. Box 1599 (316) 838-0601 Lease & Well No. Pickens #1
Elevation 1640 Kelly Bushing Formation Douglas Sand Effective Pay ----- Ft. Ticket No. 1095
Date 6/3/78 Sec. 25 Twp. 15S Range 9W County Ellsworth State Kansas
Test Approved by Toby Elster Western Representative Denis Wondra

Formation Test No. 3 Interval Tested from 2567' ft. to 2605' ft. Total Depth 2605' ft.
Packer Depth 2562 ft. Size 6 3/4 in. Packer Depth 2567 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) 2571 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 2574 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth --- ft. Recorder Number --- Cap. ---

Drilling Contractor Emphasis Oil Operations Rig #1 Drill Collar Length 95 I. D. 2.7 in.
Mud Type starch Viscosity 36 Weight Pipe Length --- I. D. --- in.
Weight 10.0 Water Loss 18.6 cc. Drill Pipe Length 2472 I. D. 3.8 in.
Chlorides 123,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make --- Serial Number --- Anchor Length 38 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.

Blow: Strong throughout first flow period. Fair throughout second opening.

Recovered 868 ft. of slightly gas cut muddy water
Recovered 932 ft. of slightly gas and oil cut water chlorides 210,000 PPM
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks: _____

Time Set Packer(s) 9:03 A.M. Time Started Off Bottom 12:05 P.M. Maximum Temperature 100
Initial Hydrostatic Pressure (A) 1397 P.S.I.
Initial Flow Period Minutes 60 (B) 329 P.S.I. to (C) 856 P.S.I.
Initial Closed In Period Minutes 60 (D) 982 P.S.I.
Final Flow Period Minutes 30 (E) 982 P.S.I. to (F) 987 P.S.I.
Final Closed In Period Minutes 30 (G) 999 P.S.I.
Final Hydrostatic Pressure (H) 1361 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/3/78

Test Ticket No. 1095

Recorder No. 3474

Capacity 3000

Location 2571 Ft

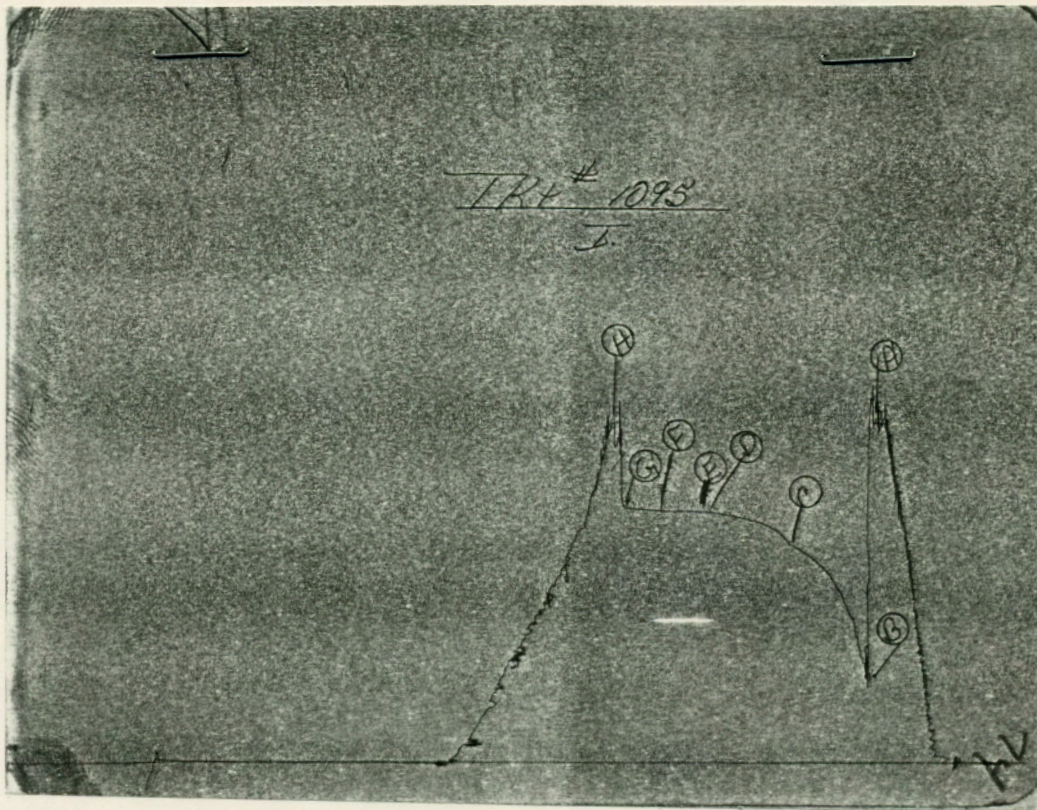
Clock No. ----- Elevation 1640 Kelly Bushing

Well Temperature 100 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1397</u> P.S.I.	Open Tool	<u>9:03P</u> M	
B First Initial Flow Pressure	<u>329</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>856</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>982</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>982</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>987</u> P.S.I.			
G Final Closed-in Pressure	<u>999</u> P.S.I.			
H Final Hydrostatic Mud	<u>1361</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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 0	<u>329</u>	<u>0</u>	<u>856</u>	<u>0</u>	<u>982</u>	<u>0</u>	<u>987</u>	
P 2 5	<u>411</u>	<u>3</u>	<u>874</u>	<u>5</u>	<u>983</u>	<u>3</u>	<u>988</u>	
P 3 10	<u>542</u>	<u>6</u>	<u>895</u>	<u>10</u>	<u>985</u>	<u>6</u>	<u>989</u>	
P 4 15	<u>594</u>	<u>9</u>	<u>909</u>	<u>15</u>	<u>985</u>	<u>9</u>	<u>991</u>	
P 5 20	<u>664</u>	<u>12</u>	<u>920</u>	<u>20</u>	<u>986</u>	<u>12</u>	<u>992</u>	
P 6 25	<u>712</u>	<u>15</u>	<u>926</u>	<u>25</u>	<u>986</u>	<u>15</u>	<u>994</u>	
P 7 30	<u>745</u>	<u>18</u>	<u>935</u>	<u>30</u>	<u>987</u>	<u>18</u>	<u>995</u>	
P 8 35	<u>777</u>	<u>21</u>	<u>941</u>			<u>21</u>	<u>996</u>	
P 9 40	<u>800</u>	<u>24</u>	<u>945</u>			<u>24</u>	<u>997</u>	
P10 45	<u>820</u>	<u>27</u>	<u>948</u>			<u>27</u>	<u>998</u>	
P11 50	<u>835</u>	<u>30</u>	<u>953</u>			<u>30</u>	<u>999</u>	
P12 55	<u>850</u>	<u>33</u>	<u>958</u>					
P13 60	<u>856</u>	<u>36</u>	<u>962</u>					
P14		<u>39</u>	<u>965</u>					
P15		<u>42</u>	<u>968</u>					
P16		<u>45</u>	<u>971</u>					
P17		<u>48</u>	<u>973</u>					
P18		<u>51</u>	<u>976</u>					
P19		<u>54</u>	<u>977</u>					
P20		<u>57</u>	<u>980</u>					
		<u>60</u>	<u>982</u>					



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1417	1397	PSI
(B) First Initial Flow Pressure	292	329	PSI
(C) First Final Flow Pressure	863	856	PSI
(D) Initial Closed-in Pressure	984	982	PSI
(E) Second Initial Flow Pressure	992	982	PSI
(F) Second Final Flow Pressure	992	987	PSI
(G) Final Closed-in Pressure	1007	999	PSI
(H) Final Hydrostatic Mud	1395	1361	PSI

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Company Ilus Industries, Inc.

Lease & Well No.

Pickens #1

Elevation 1640 Kelly Bushing

Formation Lansing

Effective Pay =====

Ft. Ticket No. 1096

Date 6/4/78

Sec. 25

Twp. 15S

Range 9W

County Ellsworth

State Kansas

Test Approved by Toby Elster

Western Representative

Denis Wondra

Formation Test No. 4 Interval Tested from 2702' ft. to 2722' ft. Total Depth 2722' ft.

Packer Depth 2697 ft. Size 6 3/4 in. Packer Depth 2702 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) 2712 ft. Recorder Number 3474 Cap 3000

Bottom Recorder Depth (Outside) 2715 ft. Recorder Number 3659 Cap 4000

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap --

Drilling Contractor Emphasis Oil Operations Rig #1

Drill Collar Length 95 I. D. 2.7 in.

Mud Type starch Viscosity 35

Weight Pipe Length -- I. D. -- in.

Weight 9.2 Water Loss 19.0 cc.

Drill Pipe Length 2607 I. D. 3.8 in.

Chlorides 114,000 P.P.M.

Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make -- Serial Number --

Anchor Length 20 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.

Blow: Strong throughout flow periods.

Recovered 65 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:40 AM P.M. Time Started Off Bottom 9:10 AM P.M. Maximum Temperature 103

Initial Hydrostatic Pressure (A) 1488 P.S.I.

Initial Flow Period Minutes 60 (B) 44 P.S.I. to (C) 48 P.S.I.

Initial Closed In Period Minutes 45 (D) 239 P.S.I.

Final Flow Period Minutes 60 (E) 65 P.S.I. to (F) 50 P.S.I.

Final Closed In Period Minutes 45 (G) 174 P.S.I.

Final Hydrostatic Pressure (H) 1452 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/4/78 Test Ticket No. 1096
 Recorder No. 3474 Capacity 3000 Location 2712
 Clock No. ----- Elevation 1640 Kelly Bushing Well Temperature 103

Point	Pressure			Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1488</u>	P.S.I.	Open Tool	<u>5:40P</u>	<u>M</u>
B. First Initial Flow Pressure	<u>44</u>	P.S.I.	First Flow Pressure	<u>60</u>	<u>Mins. 60</u>
C. First Final Flow Pressure	<u>48</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u>	<u>Mins. 45</u>
D. Initial Closed-in Pressure	<u>239</u>	P.S.I.	Second Flow Pressure	<u>60</u>	<u>Mins. 60</u>
E. Second Initial Flow Pressure	<u>65</u>	P.S.I.	Final Closed-in Pressure	<u>45</u>	<u>Mins. 48</u>
F. Second Final Flow Pressure	<u>50</u>	P.S.I.			
G. Final Closed-in Pressure	<u>174</u>	P.S.I.			
H. Final Hydrostatic Mud	<u>1452</u>	P.S.I.			

PRESSURE BREAKDOWN

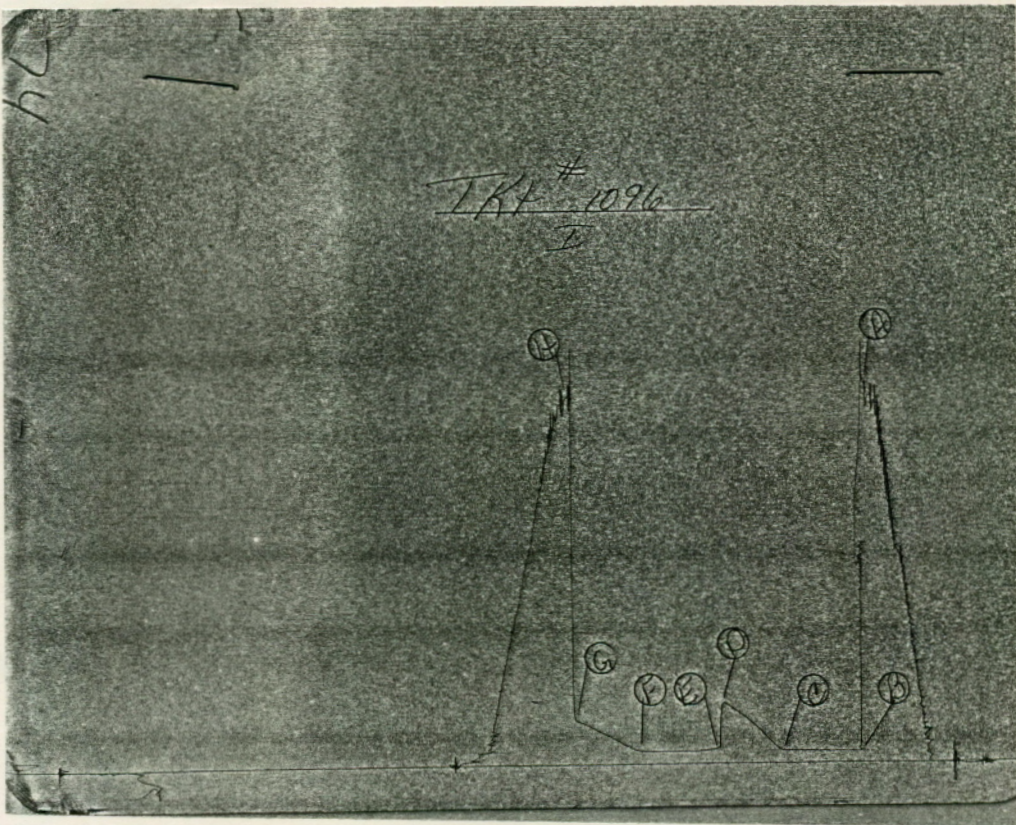
First Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

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

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 16 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>44</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>50</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>59</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>56</u>
P 3 <u>10</u>	<u>44</u>	<u>6</u>	<u>73</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>61</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>89</u>	<u>15</u>	<u>50</u>	<u>9</u>	<u>69</u>
P 5 <u>20</u>	<u>45</u>	<u>12</u>	<u>105</u>	<u>20</u>	<u>48</u>	<u>12</u>	<u>76</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>121</u>	<u>25</u>	<u>48</u>	<u>15</u>	<u>86</u>
P 7 <u>30</u>	<u>46</u>	<u>18</u>	<u>138</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>98</u>
P 8 <u>35</u>	<u>46</u>	<u>21</u>	<u>153</u>	<u>35</u>	<u>48</u>	<u>21</u>	<u>104</u>
P 9 <u>40</u>	<u>47</u>	<u>24</u>	<u>165</u>	<u>40</u>	<u>49</u>	<u>24</u>	<u>114</u>
P10 <u>45</u>	<u>47</u>	<u>27</u>	<u>179</u>	<u>45</u>	<u>49</u>	<u>27</u>	<u>122</u>
P11 <u>50</u>	<u>48</u>	<u>30</u>	<u>191</u>	<u>50</u>	<u>50</u>	<u>30</u>	<u>129</u>
P12 <u>55</u>	<u>48</u>	<u>33</u>	<u>202</u>	<u>55</u>	<u>50</u>	<u>33</u>	<u>138</u>
P13 <u>60</u>	<u>48</u>	<u>36</u>	<u>214</u>	<u>60</u>	<u>50</u>	<u>36</u>	<u>146</u>
P14		<u>39</u>	<u>226</u>			<u>39</u>	<u>154</u>
P15		<u>42</u>	<u>236</u>			<u>42</u>	<u>161</u>
P16		<u>45</u>	<u>239</u>			<u>45</u>	<u>167</u>
P17						<u>48</u>	<u>174</u>
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1501	1488	PSI
(B) First Initial Flow Pressure	38	44	PSI
(C) First Final Flow Pressure	46	44	PSI
(D) Initial Closed-in Pressure	238	239	PSI
(E) Second Initial Flow Pressure	61	65	PSI
(F) Second Final Flow Pressure	53	50	PSI
(G) Final Closed-in Pressure	176	174	PSI
(H) Final Hydrostatic Mud	1486	1452	PSI

FORMATION TEST REPORT



Home Office:

P. O. Box 1599

Wichita, Kansas 67201

Phone (316) 838-0601



Home Office: Wichita, Kansas 67201

Company Ilus Industries, Inc. P. O. Box 1599 (316) 838-0601 Lease & Well No. Pickens #1
 Elevation 1640 Kelly Bush. Formation Lansing Effective Pay _____ Ft. Ticket No. 1097
 Date 6-5-78 Sec. 25 Twp. 15S Range 9W County Ellsworth State Kansas
 Test Approved by Toby Elster Western Representative Denis Wondra

Formation Test No. 5 Interval Tested from 2744 ft. to 2782 ft. Total Depth 2782 ft.
 Packer Depth 2739 ft. Size 6 3/4 in. Packer Depth 2744 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) 2750 ft. Recorder Number 3474 Cap. 3000
 Bottom Recorder Depth (Outside) 2753 ft. Recorder Number 3659 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Emphasis Oil Oper. (#1) Drill Collar Length 95 I. D. 2.7 in.
 Mud Type Starch Viscosity 38 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss 19.0 cc. Drill Pipe Length 2649 I. D. 3.8 in.
 Chlorides 114,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
 Jars: Make - Serial Number - Anchor Length 38 ft. Size 5 1/2 OD in.
 Did Well Flow? Yes Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test. Gas to surface in 18 minutes, see attached sheet for gas measurements.

Recovered 160 ft. of gas and oil cut mud.
 Recovered 520 ft. of heavy gas cut oil Gravity - 47
 Recovered 20 ft. of water Chlorides checked: 195,000 P.P.M.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 10:55 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:55 ~~P.M.~~ ^{A.M.} Maximum Temperature 104
 Initial Hydrostatic Pressure (A) 1505 P.S.I.
 Initial Flow Period Minutes 60 (B) 79 P.S.I. to (C) 152 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1021 P.S.I.
 Final Flow Period Minutes 60 (E) 198 P.S.I. to (F) 245 P.S.I.
 Final Closed In Period Minutes 60 (G) 998 P.S.I.
 Final Hydrostatic Pressure (H) 1468 P.S.I.



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

GAS FLOW REPORT

Date 6-5-78 Ticket 1097 Company Ilus Industries, Inc.
 Well Name and No. Pickens #1 Dst No. 5 Interval Tested 2744' - 2782'
 County Ellsworth State Kansas Sec. 25 Twp. 15S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
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PRE FLOW

11:15AM	2 min.	12" of water	1/4" orifice			5,320 C.F.P.D.
11:25AM	12 min.	22" of water	1/4" orifice			7,880 C.F.P.D.
11:35AM	22 min.	15" of water	1/4" orifice			6,550 C.F.P.D.
11:45AM	32 min.	14" of water	1/4" orifice			6,330 C.F.P.D.
Gas to surface in 18 minutes.						

SECOND FLOW

1:00PM	5 min.	20" of water	1/4" orifice			7,510 C.F.P.D.
1:10PM	15 min.	18" of water	1/4" orifice			7,120 C.F.P.D.
1:20PM	25 min.	10" of water	1/4" orifice			5,320 C.F.P.D.
1:30PM	35 min.	8" of water	1/4" orifice			4,760 C.F.P.D.
1:40PM	45 min.	8" of water	1/4" orifice			4,760 C.F.P.D.
1:50PM	55 min.	7" of water	1/4" orifice			4,450 C.F.P.D.

GAS BOTTLE

Serial No. 605 Date Bottle Filled 6-5-78 Date to be Invoiced 6-5-78

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Ilus Industries, Inc.

Authorized by Toby Elster

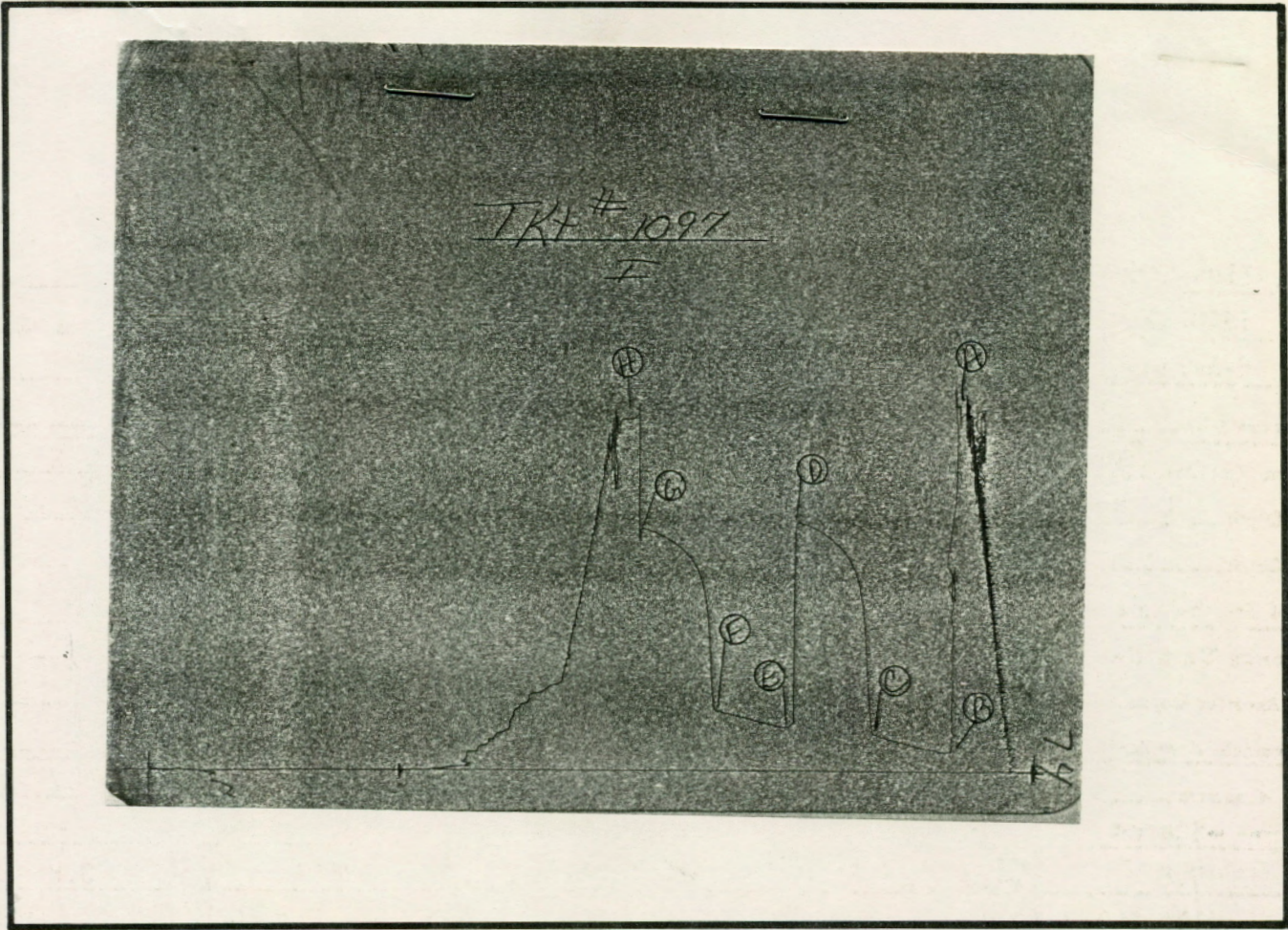
WESTERN TESTING CO., INC.
Pressure Data

Date 6/5/78 Test Ticket No. 1097
 Recorder No. 3474 Capacity 3000 Location 2750
 Clock No. --- Elevation 1640 Kelly Bushing Well Temperature 104

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1505 P.S.I.	Open Tool	10:55A M	
B First Initial Flow Pressure	79 P.S.I.	First Flow Pressure	60 Mins.	60 M
C First Final Flow Pressure	152 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 M
D Initial Closed-in Pressure	1021 P.S.I.	Second Flow Pressure	60 Mins.	60 M
E Second Initial Flow Pressure	198 P.S.I.	Final Closed-in Pressure	60 Mins.	60 M
F Second Final Flow Pressure	245 P.S.I.			
G Final Closed-in Pressure	998 P.S.I.			
H Final Hydrostatic Mud	1468 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</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	0	79	0	152	0	198	0	245
P 2	5	76	3	253	5	179	3	336
P 3	10	83	6	435	10	180	6	527
P 4	15	89	9	612	15	186	9	673
P 5	20	92	12	733	20	194	12	762
P 6	25	100	15	797	25	202	15	806
P 7	30	106	18	841	30	209	18	836
P 8	35	118	21	870	35	217	21	862
P 9	40	123	24	895	40	223	24	885
P10	45	130	27	914	45	229	27	902
P11	50	139	30	932	50	235	30	917
P12	55	147	33	947	55	242	33	929
P13	60	152	36	959	60	245	36	939
P14			39	971			39	950
P15			42	982			42	961
P16			45	991			45	968
P17			48	997			48	976
P18			51	1005			51	982
P19			54	1012			54	988
P20			57	1018			57	994
			60	1021			60	998



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1501	1505	PSI
(B) First Initial Flow Pressure	76	79	PSI
(C) First Final Flow Pressure	153	152	PSI
(D) Initial Closed-in Pressure	1022	1021	PSI
(E) Second Initial Flow Pressure	192	198	PSI
(F) Second Final Flow Pressure	246	245	PSI
(G) Final Closed-in Pressure	992	998	PSI
(H) Final Hydrostatic Mud	1471	1468	PSI