



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Hrabe D#1
Elevation 2059 Derrick Floor Formation Topeka Ticket Number 8354
Date Sept. 6, 1965 Sec. 4 Twp. 9s Range 17w County Rooks State Kansas
Test Approved by Ralph W. Ruwe Western Representative Gerrell Veatch

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3104' to 3137' Total Depth 3137'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐
Packer Depth 3100 Ft. Size 6 3/4 Packer Depth 3104 Ft. Size 6 3/4
Straddle Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 33 Ft. Size 5 1/2 OD
RECORDERS Depth 3107 Ft. Clock No. 6875 Depth 3110 Ft. Clock No. 154
Top Make Kuster Cap. 4300 No. 1566 Inside Bottom Make Western Cap. 4000 No. 25 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 9:14 A M
Tool Open I.F.P. From 9:16A M to 9:22A M Hr. 6 Min. From (B) 36 P.S.I. To (C) 36 P.S.I.
Tool Closed I.C.I.P. From 9:22A M to 9:52 M Hr. 30 Min. (D) 1083 P.S.I.
Tool Open F.F.P. From 9:52A M to 10:52 M Hr. 1 Min. From (E) 51 P.S.I. To (F) 110 P.S.I.
Tool Closed F.C.I.P. From 10:52 M to 11:22 M Hr. 30 Min. (G) 1010 P.S.I.
Initial Hydrostatic Pressure (A) 1709 P.S.I. Final Hydrostatic Pressure (H) 1696 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M.

BLOW Weak, increasing to good in thirty minutes. Good throughout remainder Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 60' oil cut mud; 120ft very slightly oil cut water
 Mud

Reversed Out Yes ☒ No ☐ Mud Type gel. Viscosity 42 Weight 10.1 Maximum Temp. 101 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2030 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 1054 ft. I.D. Weight Pipe 2.6 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 53 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date September 6, 1965 Test Ticket No. 8354
 Recorder No. 1566 Capacity 4300 Location 3107 Ft.
 Clock No. 6875 Elevation 2059 Derrick Floor Well Temperature 101 °F

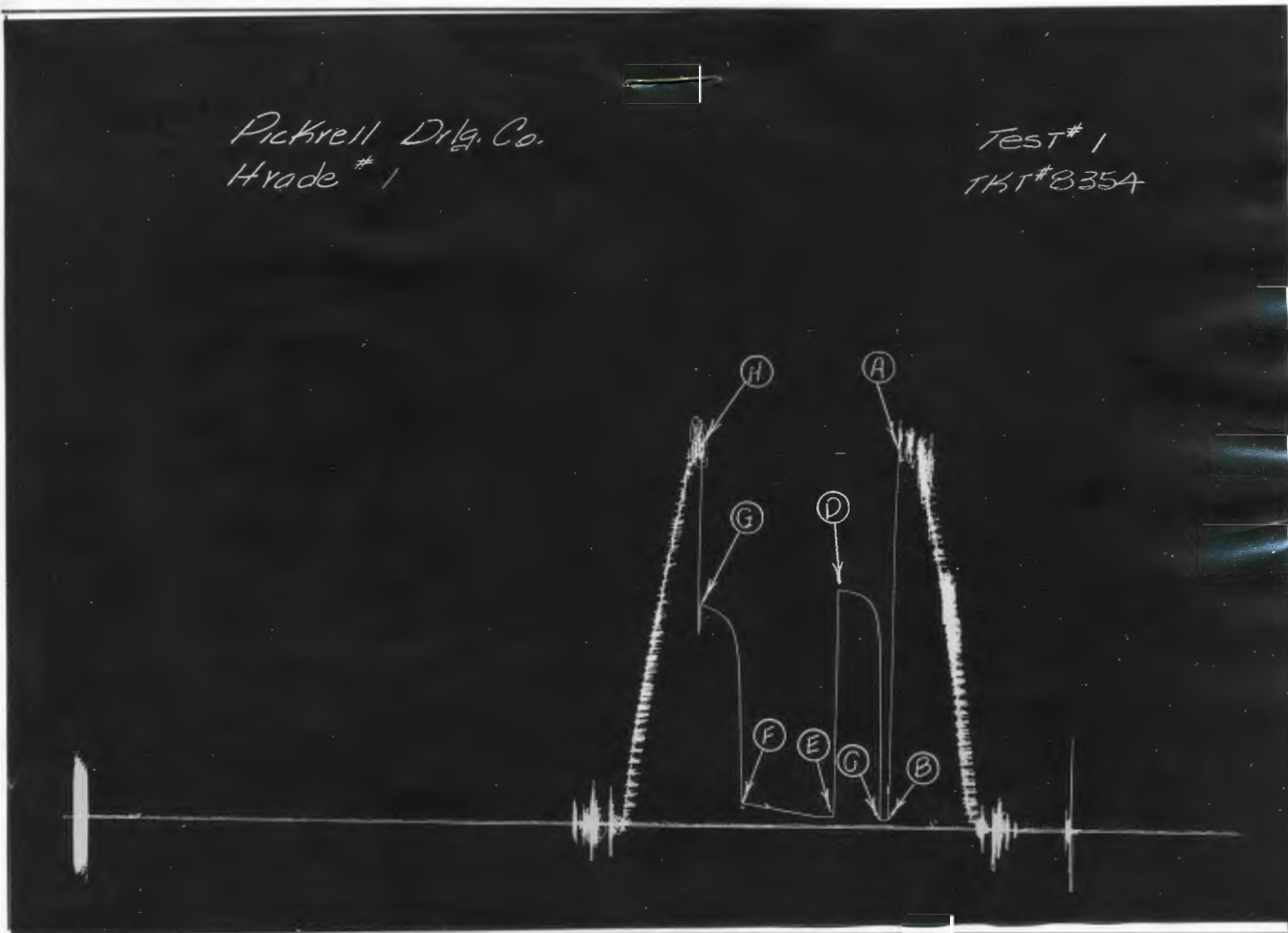
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1709</u> P.S.I.	Opened Tool	<u>9:14</u> A M	
B First Initial Flow Pressure	<u>36</u> P.S.I.	First Flow Pressure	<u>6</u> Mins.	<u>6</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>1083</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>110</u> P.S.I.			
G Final Closed-in Pressure	<u>1010</u> P.S.I.			
H Final Hydrostatic Mud	<u>1696</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>9</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>1</u> Min.		final inc. of <u>2</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>36</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>110</u>
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>843</u>	<u>5</u>	<u>51</u>	<u>3</u>	<u>655</u>
P 3 <u>6</u>	<u>36</u>	<u>6</u>	<u>982</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>851</u>
P 4		<u>9</u>	<u>1029</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>914</u>
P 5		<u>12</u>	<u>1049</u>	<u>20</u>	<u>64</u>	<u>12</u>	<u>950</u>
P 6		<u>15</u>	<u>1059</u>	<u>25</u>	<u>71</u>	<u>15</u>	<u>968</u>
P 7		<u>18</u>	<u>1068</u>	<u>30</u>	<u>79</u>	<u>18</u>	<u>982</u>
P 8		<u>21</u>	<u>1074</u>	<u>35</u>	<u>86</u>	<u>21</u>	<u>991</u>
P 9		<u>24</u>	<u>1079</u>	<u>40</u>	<u>92</u>	<u>24</u>	<u>1002</u>
P10		<u>27</u>	<u>1081</u>	<u>45</u>	<u>101</u>	<u>27</u>	<u>1010</u>
P11		<u>29</u>	<u>1083</u>	<u>50</u>	<u>105</u>		
P12				<u>55</u>	<u>110</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Hrade # 1

Test # 1
TKT # 835A



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	1709	PSI
(B)	First Initial Flow Pressure	36	PSI
(C)	First Final Flow Pressure	36	PSI
(D)	Initial Closed-in Pressure	1083	PSI
(E)	Second Initial Flow Pressure	51	PSI
(F)	Second Final Flow Pressure	110	PSI
(G)	Final Closed-in Pressure	1010	PSI
(H)	Final Hydrostatic Mud	1696	PSI



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Company Pickrell Drilling Company Lease & Well No. Hrabe #1
Elevation 2059 Derrick Floor Formation Toronto-Lans. Ticker Number 8355
Date Sept. 7, 1965 Sec. 4 Twp. 9s Range 17w County Rooks State Kansas
Test Approved by Ralph W. Ruwe Western Representative Gerrell Veatch

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3166' to 3212' Total Depth 3212'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐
Top Packer Depth 3162 Ft. Size 6 3/4 Packer Depth 3166 Ft. Size 6 3/4
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐

Packer Depth Ft. Size
Tool Size 5 1/2 00 Tool Jt. Size 4 1/2 FH Anchor Length 46 Ft. Size 5 1/2 00
RECORDERS Depth 3169 Ft. Clock No. 6875 Depth 3172 Ft. Clock No. 154
Top Make Kuster Cap. 4300 No. 1566 Inside Western Bottom Make Western Cap. 4000 No. 25 Inside Western
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Inside
Top Make Cap. No. Inside Bottom Make Cap. No. Inside

Time Set Packer 3:09 A M
Tool Open I.F.P. From 3:11 M to 3:19 M Hr. 8 Min. From (B) 30 P.S.I. To (C) 30 P.S.I.
Tool Closed I.C.I.P. From 3:19A M. to 3:49A M. Hr. 30 Min. (D) 991 P.S.I.
Tool Open F.F.P. From 3:49A M. to 4:31A M. Hr. 40 Min. From (E) 34 P.S.I. To (F) 43 P.S.I.
Tool Closed F.C.I.P. From 4:31A M. to 5:01A M. Hr. 30 Min. (G) 510 P.S.I.
Initial Hydrostatic Pressure (A) 1726 P.S.I. Final Hydrostatic Pressure (H) 1709 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 eight minutes. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 10' mud with spots of oil

Reversed Out ☒ Yes ☐ No Mud Type gel. Viscosity 45 Weight 10.1 Maximum Temp. 102 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 2092 ft. I.D. Drill Pipe 3.7 in Length Weight Pipe 1054 ft. I.D. Weight Pipe 2.6 in Length Drill Collars ft.
I. D. Drill Collars in Length D.S.T. Tool 66 ft.

Remarks Flushed tool.

WESTERN TESTING CO., INC.
Pressure Data

Date September 7, 1965 Test Ticket No. 8355
Recorder No. 1566 Capacity 4300 Location 3169 Ft.
Clock No. 6875 Elevation 2059 Derrick Floor Well Temperature 102 °F

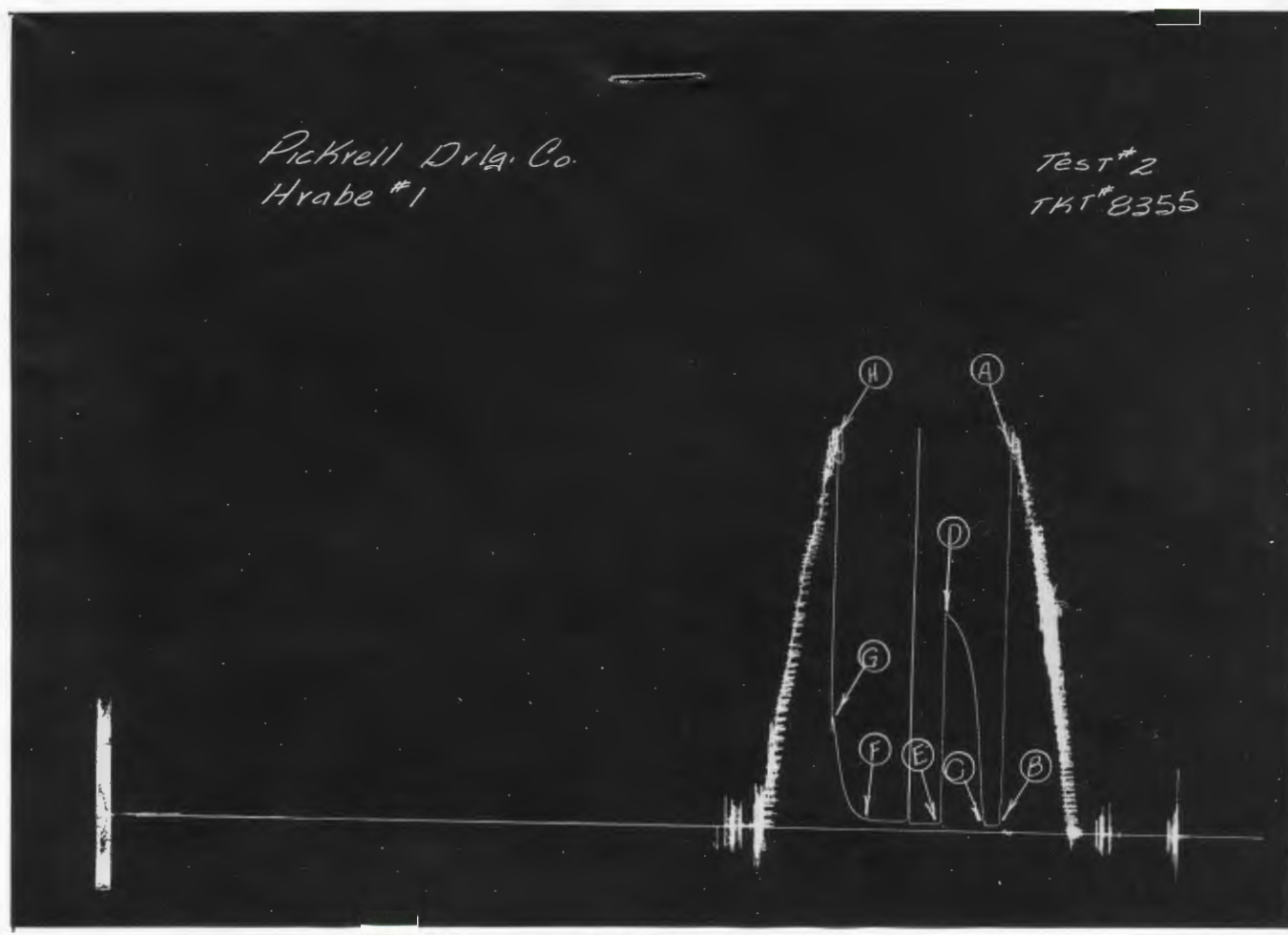
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1726</u> P.S.I.	Opened Tool	<u>3:09A</u> M.	
B First Initial Flow Pressure	<u>30</u> P.S.I.	First Flow Pressure	<u>8</u> Mins.	<u>8</u> Mins.
C First Final Flow Pressure	<u>30</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>991</u> P.S.I.	Second Flow Pressure	<u>40</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>34</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>43</u> P.S.I.			
G Final Closed-in Pressure	<u>510</u> P.S.I.			
H Final Hydrostatic Mud	<u>1709</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>9</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>3</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>30</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>43</u>
P 2 <u>5</u>	<u>30</u>	<u>3</u>	<u>183</u>	<u>5</u>	<u>34</u>	<u>3</u>	<u>47</u>
P 3 <u>8</u>	<u>30</u>	<u>6</u>	<u>454</u>	<u>10</u>	<u>34</u>	<u>6</u>	<u>53</u>
P 4		<u>9</u>	<u>641</u>	<u>15</u>	<u>34</u>	<u>9</u>	<u>66</u>
P 5		<u>12</u>	<u>761</u>	<u>20</u>	<u>34</u>	<u>12</u>	<u>82</u>
P 6		<u>15</u>	<u>849</u>	<u>25</u>	<u>43</u>	<u>15</u>	<u>120</u>
P 7		<u>18</u>	<u>901</u>	<u>30</u>	<u>43</u>	<u>18</u>	<u>174</u>
P 8		<u>21</u>	<u>941</u>	<u>35</u>	<u>43</u>	<u>21</u>	<u>272</u>
P 9		<u>24</u>	<u>965</u>	<u>40</u>	<u>43</u>	<u>24</u>	<u>389</u>
P10		<u>27</u>	<u>991</u>			<u>27</u>	<u>510</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Hrabe #1

Test #2
TKT #8355

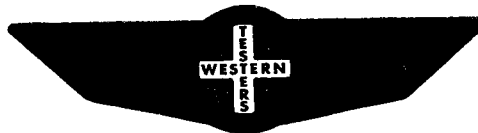


This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	1726	PSI
(B)	First Initial Flow Pressure	30	PSI
(C)	First Final Flow Pressure	30	PSI
(D)	Initial Closed-in Pressure	991	PSI
(E)	Second Initial Flow Pressure	34	PSI
(F)	Second Final Flow Pressure	43	PSI
(G)	Final Closed-in Pressure	510	PSI
(H)	Final Hydrostatic Mud	1709	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Hrabe #1
Elevation 2059 Derrick Floor Formation K. C. Ticker Number 8356
Date Sept. 9, 1965 Sec. 4 Twp. 9s Range 17w County Rooks State Kansas
Test Approved by Ralph W. Ruwe Western Representative Gerrell Veatch

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 3244' to 3277' Total Depth 3277'
Size Main Hole 7 7/8 at Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Top Packer Depth 3240 Ft. Size 6 3/4 Packer Depth 3244 Ft. Size 6 3/4
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 33 Ft. Size 5 1/2 OD
RECORDERS Depth 3247 Ft. Clock No. 6875 Depth 3250 Ft. Clock No. 120
Top Make Kuster Cap. 4300 No. 1566 Inside Outside Bottom Make Western Cap. 4000 No. 25 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside Outside Depth _____ Ft. Clock No. _____ Inside Outside
Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside

Time Set Packer 9:27 P M
Tool Open I.F.P. From 9:29 M to 9:37 M Hr. 8 Min. From (B) 71 P.S.I. To (C) 92 P.S.I.
Tool Closed I.C.I.P. From 9:37 M. to 10:07 M. Hr. 30 Min. (D) 1023 P.S.I.
Tool Open F.F.P. From 10:07 M. to 11:07 M. 1 Hr. Min. From (E) 131 P.S.I. To (F) 302 P.S.I.
Tool Closed F.C.I.P. From 11:07 M. to 11:37 M. Hr. 30 Min. (G) 862 P.S.I.
Initial Hydrostatic Pressure (A) 1650 P.S.I. Final Hydrostatic Pressure (H) 1629 P.S.I.

SURFACE	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>3/8</u> In.		M.	
			M.	
			M.	

BLOW Good blow throughout test. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 655' 15% water
120' gas in pipe; 535' very heavy oil cut mud; 35% oil; 120' very heavy oil cut mud with water/d
Reversed Out _____ Yes ☒ No _____ Mud Type gel. Viscosity 43 Weight 9.3 Maximum Temp. 104 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe 2170 ft. I.D. Drill Pipe 3.7 in Length Weight Pipe 1054 ft. I.D. Weight Pipe 2.6 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 53 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date September 9, 1965 Test Ticket No. 8356

Recorder No. 1566 Capacity 4300 Location 3247 Ft.

Clock No. 6875 Elevation 2059 Derrick Floor Well Temperature 104 °F

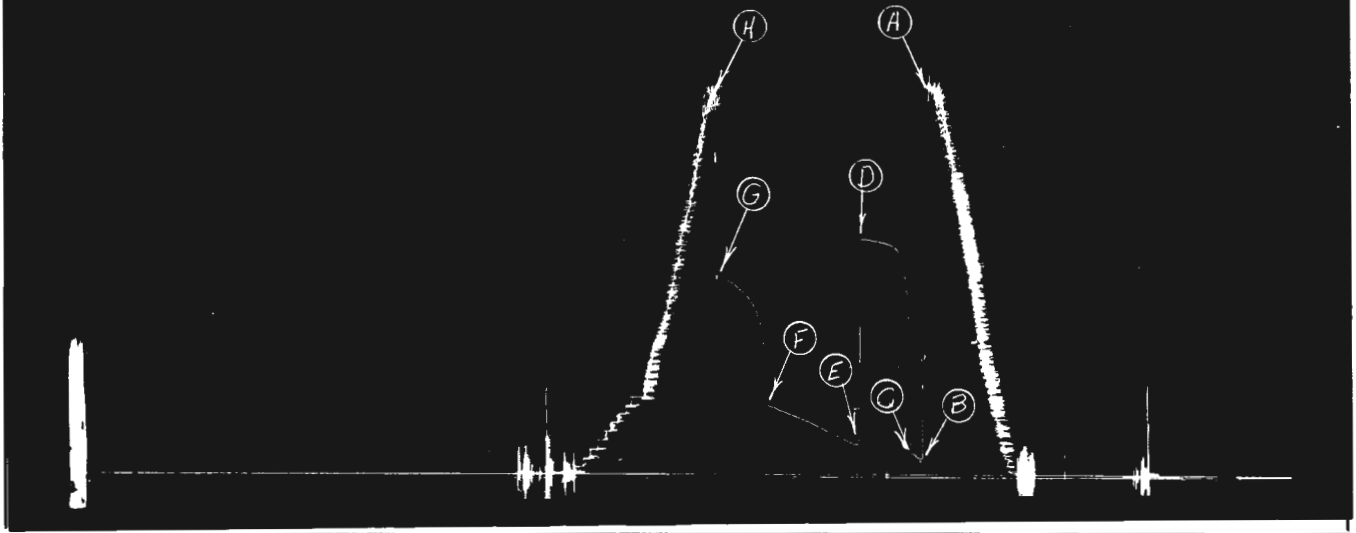
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1650</u> P.S.I.	<u>9:27 P</u> M	
B First Initial Flow Pressure	<u>71</u> P.S.I.	<u>8</u> Mins.	<u>8</u> Mins.
C First Final Flow Pressure	<u>92</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1023</u> P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>131</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>302</u> P.S.I.		
G Final Closed-in Pressure	<u>862</u> P.S.I.		
H Final Hydrostatic Mud	<u>1629</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>10</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>3</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>71</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>131</u>	<u>0</u>	<u>302</u>
P 2 <u>5</u>	<u>82</u>	<u>3</u>	<u>669</u>	<u>5</u>	<u>138</u>	<u>3</u>	<u>617</u>
P 3 <u>8</u>	<u>92</u>	<u>6</u>	<u>862</u>	<u>10</u>	<u>157</u>	<u>6</u>	<u>696</u>
P 4		<u>9</u>	<u>959</u>	<u>15</u>	<u>177</u>	<u>9</u>	<u>744</u>
P 5		<u>12</u>	<u>991</u>	<u>20</u>	<u>194</u>	<u>12</u>	<u>772</u>
P 6		<u>15</u>	<u>1002</u>	<u>25</u>	<u>213</u>	<u>15</u>	<u>797</u>
P 7		<u>18</u>	<u>1006</u>	<u>30</u>	<u>231</u>	<u>18</u>	<u>817</u>
P 8		<u>21</u>	<u>1010</u>	<u>35</u>	<u>246</u>	<u>21</u>	<u>832</u>
P 9		<u>24</u>	<u>1014</u>	<u>40</u>	<u>263</u>	<u>24</u>	<u>845</u>
P10		<u>27</u>	<u>1019</u>	<u>45</u>	<u>276</u>	<u>27</u>	<u>858</u>
P11		<u>30</u>	<u>1023</u>	<u>50</u>	<u>291</u>	<u>30</u>	<u>862</u>
P12				<u>55</u>	<u>302</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Hrate #1

Test #3
TKIT # 8356



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	1650	PSI
(B)	First Initial Flow Pressure	71	PSI
(C)	First Final Flow Pressure	92	PSI
(D)	Initial Closed-in Pressure	1023	PSI
(E)	Second Initial Flow Pressure	131	PSI
(F)	Second Final Flow Pressure	302	PSI
(G)	Final Closed-in Pressure	862	PSI
(H)	Final Hydrostatic Mud	1629	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Pickrell Drilling Company

Company _____ Lease & Well No. Hrabe #1
Elevation 2000 Derrick Floor Formation K. C. Ticker Number 8357
Date Sept. 10, 1965 Sec. 4 Twp. 9s Range 17w County Rooks State Kansas
Test Approved by Ralph W. Puwe Western Representative Gerrell Veatch

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 3271' to 3293' Total Depth 3293'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 3267 Ft. Size 6 3/4 Packer Depth 3271 Ft. Size 6 3/4
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 DD Tool Jt. Size 4 1/2 FH Anchor Length 27 Ft. Size 5 1/2
RECORDERS Depth 3274 Ft. Clock No. 6875 Depth 3277 Ft. Clock No. 104
Top Make Kusner Cap. 4200 No. 1501 Inside _____ Outside _____ Bottom Make Western Cap. 4000 No. 25 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____ Depth _____ Ft. Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 10:53 _____ M
Tool Open I.F.P. From 10:55 M to 11:00 M Hr. 5 Min. From (B) 101 P.S.I. To (C) 168 P.S.I.
Tool Closed I.C.I.P. From 11:00 M. to 11:30 M. Hr. 30 Min. (D) 937 P.S.I.
Tool Open F.F.P. From 11:30 M. to 12:00 M. 1 Hr. _____ Min. From (E) 210 P.S.I. To (F) 547 P.S.I.
Tool Closed F.C.I.P. From 12:30 M. to 1:00 M. Hr. 30 Min. (G) 800 P.S.I.
Initial Hydrostatic Pressure (A) 1620 P.S.I. Final Hydrostatic Pressure (H) 1612 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Good blow throughout test. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Fr. 1260' (240' very heavy oil cut mud; 360' clean gassy oil;
460' muddy froggy oil; 200' water) Mud _____

Reversed Out _____ Yes ☒ No _____ Mud Type grt Viscosity 44 Weight 9.3 Maximum Temp. Broke °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size _____ Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 2197 ft. I.D. Drill Pipe 3.7 in Length Weight Pipe 1054 ft. I.D. Weight Pipe 2.6 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 47 ft.

Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date September 10, 1965

Test Ticket No. 8357

Recorder No. 1566 Capacity 4300 Location 3274 Ft.

Clock No. 6875 Elevation 2059 Derrick Floor Well Temperature Broke! °F

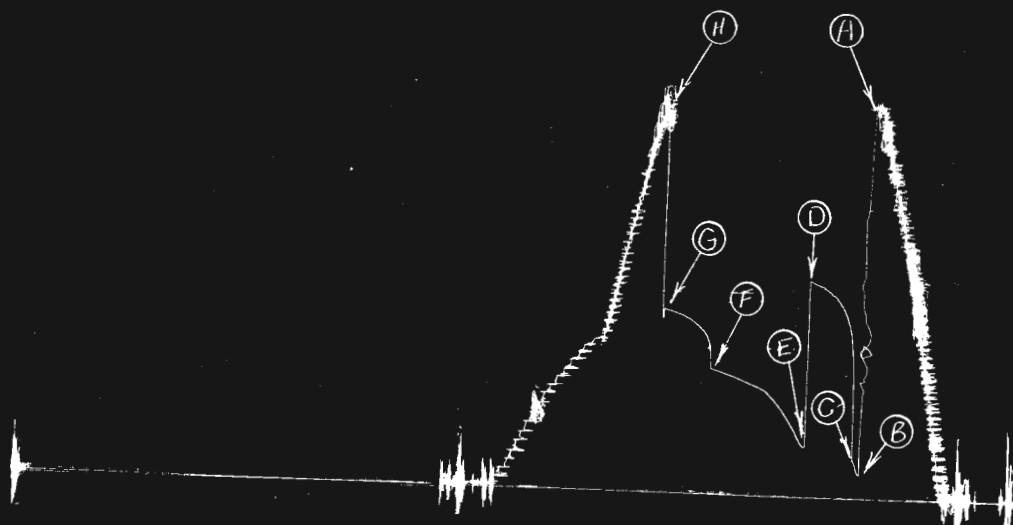
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1620</u> P.S.I.	<u>10:53 A</u>	M
B First Initial Flow Pressure	<u>101</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>168</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>937</u> P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>218</u> P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>547</u> P.S.I.		
G Final Closed-in Pressure	<u>800</u> P.S.I.		
H Final Hydrostatic Mud	<u>1612</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>9</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>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>101</u>	<u>0</u>	<u>168</u>	<u>0</u>	<u>218</u>	<u>0</u>	<u>547</u>
P 2 <u>5</u>	<u>168</u>	<u>3</u>	<u>619</u>	<u>5</u>	<u>270</u>	<u>3</u>	<u>690</u>
P 3		<u>6</u>	<u>754</u>	<u>10</u>	<u>328</u>	<u>6</u>	<u>718</u>
P 4		<u>9</u>	<u>817</u>	<u>15</u>	<u>382</u>	<u>9</u>	<u>737</u>
P 5		<u>12</u>	<u>849</u>	<u>20</u>	<u>428</u>	<u>12</u>	<u>757</u>
P 6		<u>15</u>	<u>875</u>	<u>25</u>	<u>460</u>	<u>15</u>	<u>767</u>
P 7		<u>18</u>	<u>892</u>	<u>30</u>	<u>478</u>	<u>18</u>	<u>778</u>
P 8		<u>21</u>	<u>909</u>	<u>35</u>	<u>491</u>	<u>21</u>	<u>785</u>
P 9		<u>24</u>	<u>922</u>	<u>40</u>	<u>506</u>	<u>24</u>	<u>791</u>
P10		<u>27</u>	<u>929</u>	<u>45</u>	<u>521</u>	<u>27</u>	<u>795</u>
P11		<u>30</u>	<u>937</u>	<u>50</u>	<u>534</u>	<u>29</u>	<u>800</u>
P12				<u>55</u>	<u>547</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Hrabe #1

Test #4
TKI #8357



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1620 PSI
(B) First Initial Flow Pressure	101 PSI
(C) First Final Flow Pressure	168 PSI
(D) Initial Closed-in Pressure	937 PSI
(E) Second Initial Flow Pressure	218 PSI
(F) Second Final Flow Pressure	547 PSI
(G) Final Closed-in Pressure	800 PSI
(H) Final Hydrostatic Mud	1612 PSI



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Trabe #1
Elevation 2059 Derrick Floor Formation === Ticker Number 8358
Date Sent. 11, 1965 Sec. 4 Twp. 9s Range 17w County Rooks State Kansas
Test Approved by Palph W. Ruwe Western Representative Gerrell Veatch

Formation Test No. 5 O.K. ☒ Misrun Interval Tested From 3385' to 3425' Total Depth 3425'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Top Packer Depth 3381' Ft. Size 6 3/4 Packer Depth 3385' Ft. Size 6 3/4
Straddle Yes ☒ No Conv. B.T. Damaged Yes No

Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FI' Anchor Length 40 Ft. Size 5 1/2 OD
RECORDERS Depth 3380 Ft. Clock No. 6875 Depth 3391 Ft. Clock No. 104
Top Make Kuster Cap. 4300 No. 1006 Inside Bottom Make Western Cap. 4000 No. 25 Inside
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Inside
Top Make Cap. No. Inside Bottom Make Cap. No. Inside

Time Set Packer 7:30 P M
Tool Open I.F.P. From 7:38 P M to 7:40 M Hr. 8 Min. From (B) 25 P.S.I. To (C) 47 P.S.I.
Tool Closed I.C.I.P. From 7:40 P M to 8:16 M Hr. 30 Min. (D) 1057 P.S.I.
Tool Open F.F.P. From 8:16 M to 9:16 M Hr. 1 Min. From (E) 69 P.S.I. To (F) 131 P.S.I.
Tool Closed F.C.I.P. From 9:16 M to 9:40 M Hr. 30 Min. (G) 522 P.S.I.
Initial Hydrostatic Pressure (A) 1761 P.S.I. Final Hydrostatic Pressure (H) 1752 P.S.I.

SURFACE	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>3/8</u> In.	<u> </u>	<u>M.</u>	<u> </u>
	<u> </u>	<u> </u>	<u>M.</u>	<u> </u>
	<u> </u>	<u> </u>	<u>M.</u>	<u> </u>

BLOW Weak to good Bottom Choke Size 3/4

Did Well Flow Yes ☒ No Recovery Total Ft. 15ft clean oil; 240' muddy oil
 Mud

Reversed Out Yes ☒ No Mud Type GC1 Viscosity 43 Weight 9.5 Maximum Temp. 106 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2311 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 1054 ft. I.D. Weight Pipe 2.6 in Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 60 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date September 11, 1965 Test Ticket No. 8358

Recorder No. 1566 Capacity 4300 Location 3388 Ft.

Clock No. 0070 Elevation 2059 Derrick Floor Well Temperature 106 °F

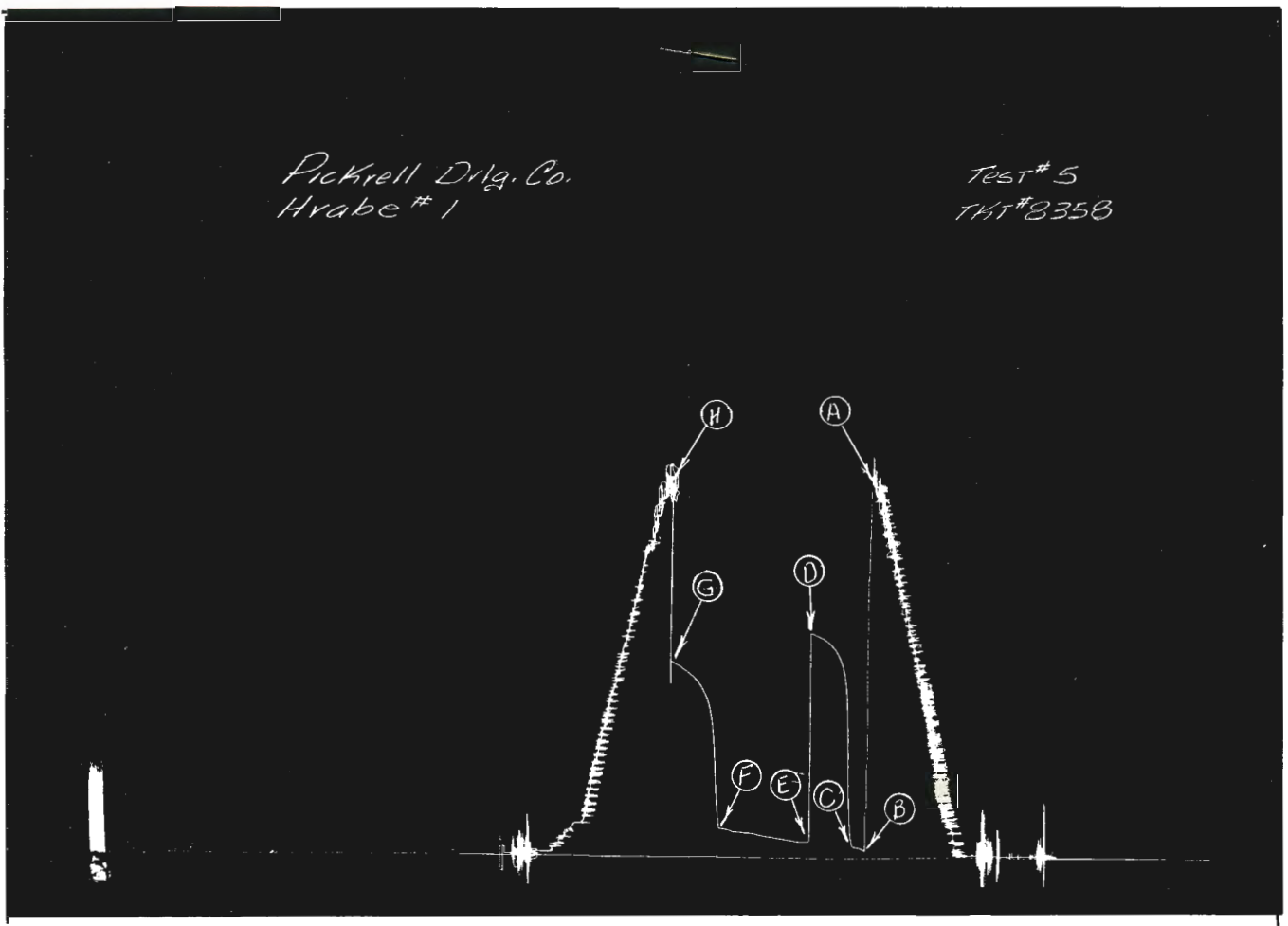
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1761</u> P.S.I.	<u>7:36</u> P	
B First Initial Flow Pressure	<u>25</u> P.S.I.		<u>8</u> Mins.
C First Final Flow Pressure	<u>47</u> P.S.I.		<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1057</u> P.S.I.		<u>57</u> Mins.
E Second Initial Flow Pressure	<u>69</u> P.S.I.		<u>30</u> Mins.
F Second Final Flow Pressure	<u>131</u> P.S.I.		<u>32</u> Mins.
G Final Closed-in Pressure	<u>922</u> P.S.I.		
H Final Hydrostatic Mud	<u>1752</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>10</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>3</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>2</u> Min.		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>25</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>131</u>
P 2 <u>5</u>	<u>1</u>	<u>3</u>	<u>426</u>	<u>5</u>	<u>71</u>	<u>3</u>	<u>398</u>
P 3 <u>8</u>	<u>47</u>	<u>6</u>	<u>847</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>847</u>
P 4		<u>9</u>	<u>833</u>	<u>15</u>	<u>82</u>	<u>9</u>	<u>750</u>
P 5		<u>12</u>	<u>878</u>	<u>20</u>	<u>86</u>	<u>12</u>	<u>793</u>
P 6		<u>15</u>	<u>1004</u>	<u>25</u>	<u>92</u>	<u>15</u>	<u>828</u>
P 7		<u>18</u>	<u>1023</u>	<u>30</u>	<u>99</u>	<u>18</u>	<u>849</u>
P 8		<u>21</u>	<u>1038</u>	<u>35</u>	<u>108</u>	<u>21</u>	<u>871</u>
P 9		<u>24</u>	<u>1047</u>	<u>40</u>	<u>112</u>	<u>24</u>	<u>888</u>
P10		<u>27</u>	<u>1057</u>	<u>45</u>	<u>116</u>	<u>27</u>	<u>903</u>
P11				<u>50</u>	<u>123</u>	<u>30</u>	<u>916</u>
P12				<u>55</u>	<u>129</u>	<u>32</u>	<u>922</u>
P13				<u>57</u>	<u>131</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Dril. Co.
Hrabe # 1

Test # 5
THT # 2358



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1761 PSI
(B) First Initial Flow Pressure	25 PSI
(C) First Final Flow Pressure	47 PSI
(D) Initial Closed-in Pressure	1057 PSI
(E) Second Initial Flow Pressure	69 PSI
(F) Second Final Flow Pressure	131 PSI
(G) Final Closed-in Pressure	922 PSI
(H) Final Hydrostatic Mud	1752 PSI



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company PICKRELL DRILLING COMPANY Lease & Well No. HRABE #1
Elevation 2059 Derrick Floor Formation ? Ticket Number 8359
Date September 12, 1965 Sec. 4 Twp. 9s Range 17w County Rooks State Kansas
Test Approved by Ralph W. Ruwe Western Representative Gerrell Veatch

Formation Test No. 6 O.K. ☒ Misrun _____ Interval Tested From 3426' to 3460' Total Depth 3460'
Size Main Hole 7 7/8 at Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes ☒ No _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No _____
Packer Depth 3422 Ft. Size 6 3/4 Packer Depth 3426 Ft. Size 6 3/4
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 34 Ft. Size 5 1/2 OD
RECORDERS Depth 3429 Ft. Clock No. 6875 Depth 3432 Ft. Clock No. 104
Top Make Kuster Cap. 4300 No. 1566 Inside _____ Outside _____ Bottom Make Western Cap. 4000 No. 25 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____ Depth _____ Ft. Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 7:27 A _____ M
Tool Open I.F.P. From 7:29A to 7:33 M Hr. 9 Min. From (B) _____ P.S.I. To (C) 36 P.S.I.
Tool Closed I.C.I.P. From 7:38A to 8:08A M Hr. 30 Min. (D) _____ 1023 P.S.I.
Tool Open F.F.P. From 8:08A to 9:38A M 1 Hr. 30 Min. From (E) 51 P.S.I. To (F) 116 P.S.I.
Tool Closed F.C.I.P. From 9:38A to 10:08A M Hr. 30 Min. (G) _____ 954 P.S.I.
Initial Hydrostatic Pressure (A) 1785 P.S.I. Final Hydrostatic Pressure (H) 1769 P.S.I.

SURFACE	Size Choke <u>3/8</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION			M.	
			M.	
			M.	

BLOW Weak to good throughout test. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 10' clean oil; 200' muddy oil

Reversed Out _____ Yes ☒ No _____ Mud Type gel. Viscosity 43 Weight 9.5 Maximum Temp. 104 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size _____ Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 2552 ft. I.D. Drill Pipe 3.7 in Length Weight Pipe 1054 ft. I.D. Weight Pipe 2.6 in Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 54 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date September 12, 1965 Test Ticket No. 8359
 Recorder No. 1566 Capacity 4300 Location 3429 Ft.
 Clock No. 6875 Elevation 2059 Derrick Floor Well Temperature 104 °F

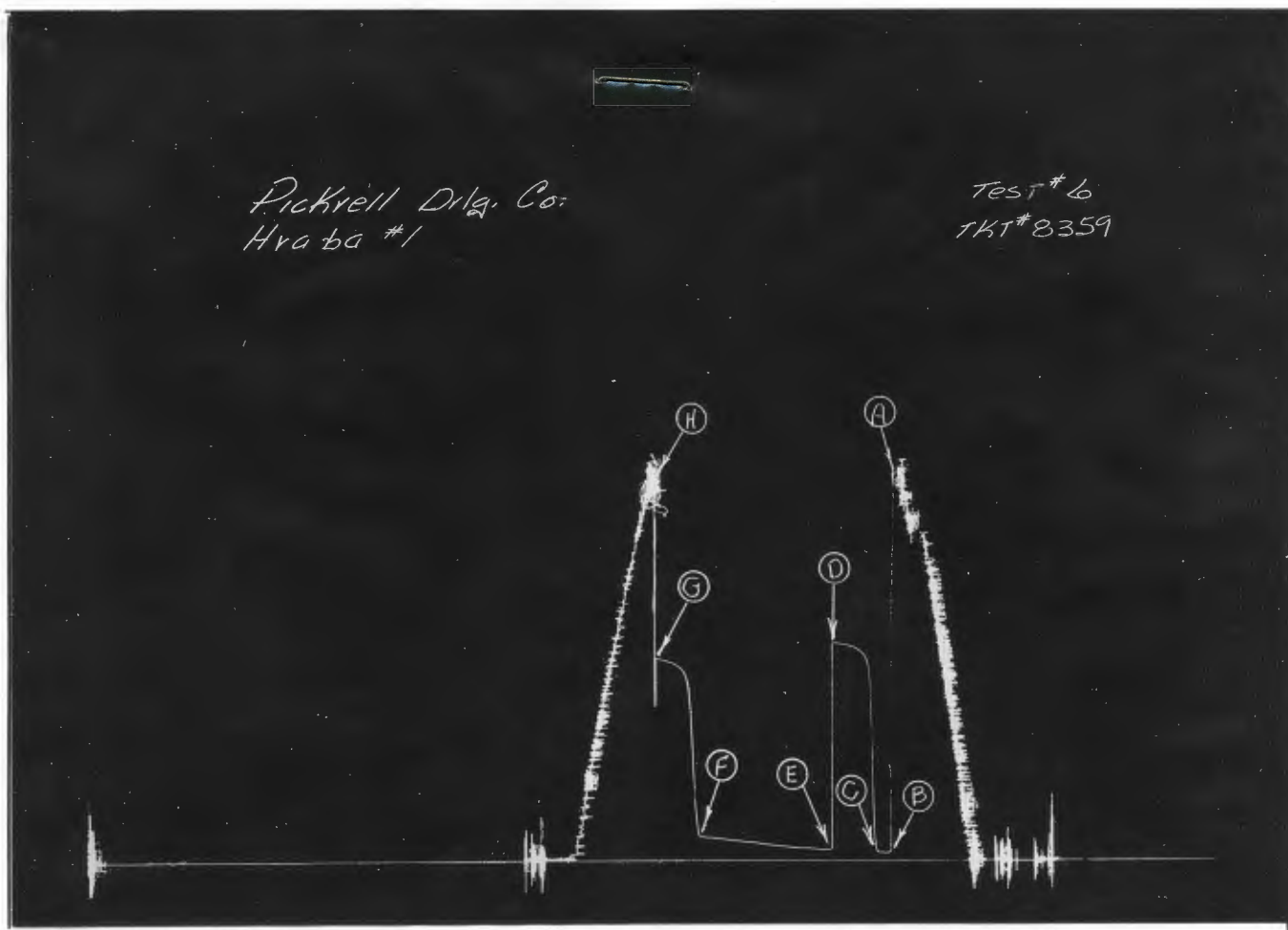
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1785</u> P.S.I.	Opened Tool	<u>7:27 AM</u>	
B First Initial Flow Pressure	<u>36</u> P.S.I.	First Flow Pressure	<u>9:00:00</u> Mins.	<u>9</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1023</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>83</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>116</u> P.S.I.			
G Final Closed-in Pressure	<u>954</u> P.S.I.			
H Final Hydrostatic Mud	<u>1769</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>9</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>4</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>3</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>36</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>116</u>
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>421</u>	<u>5</u>	<u>53</u>	<u>3</u>	<u>378</u>
P 3 <u>9</u>	<u>36</u>	<u>6</u>	<u>860</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>645</u>
P 4		<u>9</u>	<u>957</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>651</u>
P 5		<u>12</u>	<u>980</u>	<u>20</u>	<u>61</u>	<u>12</u>	<u>695</u>
P 6		<u>15</u>	<u>997</u>	<u>25</u>	<u>65</u>	<u>15</u>	<u>922</u>
P 7		<u>18</u>	<u>1008</u>	<u>30</u>	<u>69</u>	<u>18</u>	<u>933</u>
P 8		<u>21</u>	<u>1014</u>	<u>35</u>	<u>73</u>	<u>21</u>	<u>941</u>
P 9		<u>24</u>	<u>1019</u>	<u>40</u>	<u>79</u>	<u>24</u>	<u>948</u>
P10		<u>27</u>	<u>1021</u>	<u>45</u>	<u>84</u>	<u>27</u>	<u>954</u>
P11		<u>30</u>	<u>1023</u>	<u>50</u>	<u>90</u>		
P12				<u>55</u>	<u>92</u>		
P13				<u>60</u>	<u>95</u>		
P14				<u>65</u>	<u>101</u>		
P15				<u>70</u>	<u>105</u>		
P16				<u>75</u>	<u>110</u>		
P17				<u>80</u>	<u>114</u>		
P18				<u>83</u>	<u>116</u>		
P19							
P20							

Pickrell Drilg. Co.
Hvaba #1

Test #6
TKT#8359



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	1785	PSI
(B)	First Initial Flow Pressure	36	PSI
(C)	First Final Flow Pressure	36	PSI
(D)	Initial Closed-in Pressure	1023	PSI
(E)	Second Initial Flow Pressure	51	PSI
(F)	Second Final Flow Pressure	116	PSI
(G)	Final Closed-in Pressure	954	PSI
(H)	Final Hydrostatic Mud	1769	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Hrabe #1
Elevation 2059 Derrick Floor Formation Arb. Ticket Number 8360
Date Sept. 12, 1960 Sec. 4 Twp. 34 Range 17 County Rooks State Kansas
Test Approved by W. Ruwe Western Representative Gerrell Veatch

Formation Test No. 7 O.K. ☒ Misrun Interval Tested From 3477' to 3481' Total Depth 3481'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth 3473 Ft. Size 6 3/4 Packer Depth 3477 Ft. Size 3/4
Straddle Yes ☒ No Conv. B.T. Damaged Yes No

Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 4 Ft. Size 5 1/2 OD
RECORDERS Depth 3470 Ft. Clock No. 6875 Depth 3479 Ft. Clock No. 104
AP. Top Make Kuster Cap. 4300 No. 1-66 Inside Outside Bottom Make Western Cap. 4000 No. 25 Inside Outside
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 9:28 P M
Tool Open I.F.P. From 9:30P M to 9:38 M Hr. 8 Min. From (B) 51 P.S.I. To (C) 51 P.S.I.
Tool Closed I.C.I.P. From 9:38 M. to 10:08 M. Hr. 30 Min. (D) 997 P.S.I.
Tool Open F.F.P. From 10:08R M. to 11:08R M. 1 Hr. Min. From (E) 50 P.S.I. To (F) 200 P.S.I.
Tool Closed F.C.I.P. From 11:08 M. to 11:38 M. Hr. 30 Min. (G) 60 P.S.I.
Initial Hydrostatic Pressure (A) 1798 P.S.I. Final Hydrostatic Pressure (H) 1700 P.S.I.

SURFACE	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>3/8</u> In.		M.	
			M.	
			M.	

BLOW Fair to good throughout test. Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No Recovery Total Fr. 480' ft. oil; 30' oil cut mud Mud

Reversed Out Yes No Mud Type gel. Viscosity 42 Weight 9.3 Maximum Temp. 106 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? yes Where? anchor Did Packer Hold? yes

Length Drill Pipe 2399 ft. I.D. Drill Pipe 3.7 in Length Weight Pipe 1054 ft. I.D. Weight Pipe 26 n. Length Drill Collars ft.

I. D. Drill Collars in Length D.S.T. Tool 28 ft.

Remarks Kuster above packer. Plugging on pre-flow.

WESTERN TESTING CO., INC.

Pressure Data

Date September 12, 1965 Test Ticket No. 8360
 Recorder No. 1566 Capacity 4300 Location 3470 Ft.
 Clock No. 6875 Elevation 2059 Derrick Floor Well Temperature 106 °F

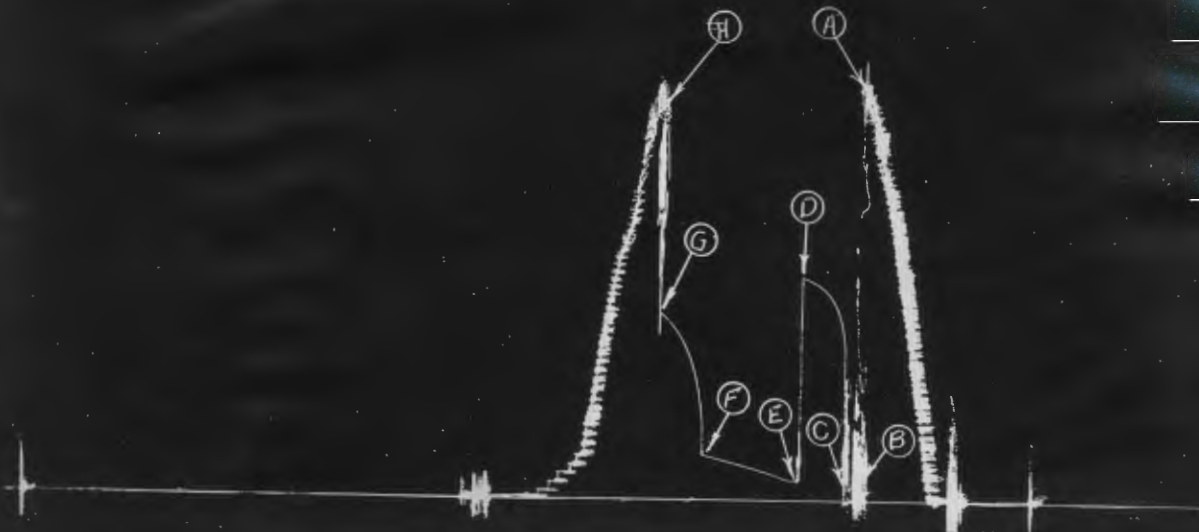
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1798</u> P.S.I.	Opened Tool	<u>9:28 P.M.</u>	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>3</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>51</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>997</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>38</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>200</u> P.S.I.			
G Final Closed-in Pressure	<u>336</u> P.S.I.			
H Final Hydrostatic Mud	<u>1785</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>9</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>3</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>51</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>200</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>782</u>	<u>5</u>	<u>90</u>	<u>3</u>	<u>436</u>
P 3		<u>6</u>	<u>847</u>	<u>10</u>	<u>97</u>	<u>6</u>	<u>589</u>
P 4		<u>9</u>	<u>896</u>	<u>15</u>	<u>112</u>	<u>9</u>	<u>647</u>
P 5		<u>12</u>	<u>929</u>	<u>20</u>	<u>125</u>	<u>12</u>	<u>699</u>
P 6		<u>15</u>	<u>948</u>	<u>25</u>	<u>138</u>	<u>15</u>	<u>735</u>
P 7		<u>18</u>	<u>967</u>	<u>30</u>	<u>146</u>	<u>18</u>	<u>772</u>
P 8		<u>21</u>	<u>973</u>	<u>35</u>	<u>157</u>	<u>21</u>	<u>800</u>
P 9		<u>24</u>	<u>991</u>	<u>40</u>	<u>168</u>	<u>24</u>	<u>821</u>
P10		<u>27</u>	<u>997</u>	<u>45</u>	<u>177</u>	<u>27</u>	<u>836</u>
P11				<u>50</u>	<u>187</u>		
P12				<u>55</u>	<u>196</u>		
P13				<u>58</u>	<u>200</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Hcabe #1

TEST # 7
TKT # 3360



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	1798	PSI
(B) First Initial Flow Pressure	51	PSI
(C) First Final Flow Pressure	51	PSI
(D) Initial Closed-in Pressure	997	PSI
(E) Second Initial Flow Pressure	88	PSI
(F) Second Final Flow Pressure	200	PSI
(G) Final Closed-in Pressure	836	PSI
(H) Final Hydrostatic Mud	1785	PSI