

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

Company Pickrell Drilling Company Lease & Well No. Rankin #1
Elevation 2362' D.F. Ticket Number 3594
Date 10-25-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas
Test Approved by Dan Bowles Western Representative Jack Toelkes

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4353' to 4390' Total Depth 4390'
Size Main Hole 7 7/8" Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No _____ Conv. B.T. ☒ Damaged Yes ☒ No _____
Packer Depth 4348 Ft. Size 6 3/4" Packer Depth 4353 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 37 Ft. Size 5 1/2" OD

RECORDERS Depth 4381 Ft. Clock No. 6892 Depth 4384 Ft. Clock No. 120
Top Make Amerada Cap. 3150# No. 1562 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 57 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 3:16P M
Tool Open I.F.P. From 3:18P M to 3:20P M - Hr. 2 Min. From (B) 28 P.S.I. To (C) 29 P.S.I.
Tool Closed I.C.I.P. From 3:20P M. to 3:50P M. - Hr. 30 Min. (D) 1360 P.S.I.
Tool Open F.F.P. From 3:50P M. to 4:50P M. 1 Hr. - Min. From (E) 42 P.S.I. To (F) 71 P.S.I.
Tool Closed F.C.I.P. From 4:50P M. to 5:20P M. - Hr. 30 Min. (G) 742 P.S.I.
Initial Hydrostatic Pressure (A) 2379 P.S.I. Final Hydrostatic Pressure (H) 2352 P.S.I.

SURFACE	Size Choke	In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>3/4</u>				
				M.	
				M.	
				M.	

BLOW Strong throughout test Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 105' Oil cut gassy mud - 750' G.I.P.

Reversed Out Yes ☒ No _____ Mud Type Starch Viscosity 45 Weight 10. Maximum Temp. 123 °F
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make _____ Ser. No. _____
Type Circ. Sub. Plug Did Tool Plug? No Where? _____ Did Packer Hold? Yes
Length Drill Pipe 3434 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 56 ft.

Remarks

W.T.C. Clock stopped

WESTERN TESTING CO., INC. Pressure Data

Date 10-25-63 Test Ticket No. 3594
Recorder No. 1562 Capacity 3150# Location 4381 Ft.
Clock No. 6892 Elevation 2362' D.F. Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2379</u> P.S.I.	Opened Tool	<u>3:16P</u>	<u>3:16 PM</u>
B First Initial Flow Pressure	<u>28</u> P.S.I.	First Flow Pressure	<u>2</u> Mins.	<u>3</u> Mins.
C First Final Flow Pressure	<u>29</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>1360</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>42</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>71</u> P.S.I.			
G Final Closed-in Pressure	<u>742</u> P.S.I.			
H Final Hydrostatic Mud	<u>2352</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press. Breakdown: 1 Inc. of 3 mins. and a final inc. of - Min.
Initial Shut-In Breakdown: 9 Inc. of 3 mins. and a final inc. of 1 Min.
Second Flow Pressure Breakdown: 11 Inc. of 5 mins. and a final inc. of 4 Min.
Final Shut-In Breakdown: 10 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>28</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>42</u>	<u>0</u>	<u>71</u>
P 2 <u>3</u>	<u>29</u>	<u>3</u>	<u>109</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>92</u>
P 3		<u>6</u>	<u>272</u>	<u>10</u>	<u>48</u>	<u>6</u>	<u>119</u>
P 4		<u>9</u>	<u>1080</u>	<u>15</u>	<u>51</u>	<u>9</u>	<u>149</u>
P 5		<u>12</u>	<u>1223</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>188</u>
P 6		<u>15</u>	<u>1281</u>	<u>25</u>	<u>58</u>	<u>15</u>	<u>237</u>
P 7		<u>18</u>	<u>1311</u>	<u>30</u>	<u>60</u>	<u>18</u>	<u>311</u>
P 8		<u>21</u>	<u>1334</u>	<u>35</u>	<u>62</u>	<u>21</u>	<u>413</u>
P 9		<u>24</u>	<u>1348</u>	<u>40</u>	<u>64</u>	<u>24</u>	<u>531</u>
P10		<u>27</u>	<u>1357</u>	<u>45</u>	<u>67</u>	<u>27</u>	<u>653</u>
P11		<u>28</u>	<u>1360</u>	<u>50</u>	<u>69</u>	<u>30</u>	<u>742</u>
P12				<u>55</u>	<u>70</u>		
P13				<u>59</u>	<u>71</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Rankin #1

Test #1
TKT #3594

This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	2379	PSI
(B)	First Initial Flow Pressure	28	PSI
(C)	First Final Flow Pressure	29	PSI
(D)	Initial Closed-in Pressure	1360	PSI
(E)	Second Initial Flow Pressure	42	PSI
(F)	Second Final Flow Pressure	71	PSI
(G)	Final Closed-in Pressure	742	PSI
(H)	Final Hydrostatic Mud	2352	PSI

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

Company Pickrell Drilling Company Lease & Well No. Rankin #1
Elevation 2362' D.F. Ticket Number 3595
Date 10-26-63 Sec. 13 Twp. 21S Range 24W County Hodgeman State Kansas
Test Approved by Dan Bowles Western Representative Jack Toelkes

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4448' to 4480' Total Depth 4480'

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

Packer Depth 4448 Ft. Size 6 3/4" Packer Depth 4443 Ft. Size 6 3/4"

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

Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 32 Ft. _____ Size 5 1/2" OD

RECORDERS	Depth	Ft.	Clock No.	Inside	Bottom Make	Cap.	No.	Outside
	4451		6892					
	Amerada	3150#	1562		Western	4000#	57	
Below Straddle:	Depth		Clock No.	Inside	Depth		Ft.	Clock No.
				Outside				
	Top Make	Cap.	No.	Inside	Bottom Make	Cap.	No.	Outside
				Outside				

[illegible]

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	<u>3/4</u> In.			
			M.	
			M.	
			M.	

BLOW Very weak 3 mins. M. _____
Did Well Flow _____ Yes X No _____ Recovery Total Ft. 15' Drilling Mud Bottom Choke Size 3/4 in.

Did Well Flow _____ Yes X No _____ Recovery Total Ft. 15' Drilling Mud Bottom Choke Size 2 1/2 in.

Reversed Out _____ Yes X No Mud Type Starch Viscosity 47 Weight 10.1 Maximum Temp. 125 °F
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make _____ Ser. No. _____
Type Circ. Sub. Plug Did Tool Plug? No Where? _____ Did Packer Hold? Yes
Length Drill Pipe 3529 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 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 10-26-63 Recorder No. 1562 Capacity 3150# Test Ticket No. 3595
Clock No. 6892 Elevation 2362' D.F. Location 4451 Ft.
Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2435</u>	P.S.I.	<u>2:02P</u>	<u>2:02 PM</u>
B First Initial Flow Pressure	<u>10</u>	P.S.I.	<u>3</u> Mins.	<u>3</u> Mins.
C First Final Flow Pressure	<u>12</u>	P.S.I.	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>31</u>	P.S.I.	<u>60</u> Mins.	<u>61</u> Mins.
E Second Initial Flow Pressure	<u>17</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>17</u>	P.S.I.		
G Final Closed-in Pressure	<u>70</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2417</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press. Breakdown: 1 Inc. of 3 mins. and a final inc. of - Min.
Initial Shut-In Breakdown: 9 Inc. of 3 mins. and a final inc. of 1 Min.
Second Flow Pressure Breakdown: 12 Inc. of 5 mins. and a final inc. of 1 Min.
Final Shut-In Breakdown: 10 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>10</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>
P 2 <u>3</u>	<u>12</u>	<u>3</u>	<u>13</u>	<u>5</u>	<u>17</u>	<u>3</u>	<u>54</u>
P 3		<u>6</u>	<u>13</u>	<u>10</u>	<u>17</u>	<u>6</u>	<u>55</u>
P 4		<u>9</u>	<u>14</u>	<u>15</u>	<u>17</u>	<u>9</u>	<u>56</u>
P 5		<u>12</u>	<u>14</u>	<u>20</u>	<u>17</u>	<u>12</u>	<u>57</u>
P 6		<u>15</u>	<u>15</u>	<u>25</u>	<u>17</u>	<u>15</u>	<u>58</u>
P 7		<u>18</u>	<u>17</u>	<u>30</u>	<u>17</u>	<u>18</u>	<u>60</u>
P 8		<u>21</u>	<u>21</u>	<u>35</u>	<u>17</u>	<u>21</u>	<u>64</u>
P 9		<u>24</u>	<u>25</u>	<u>40</u>	<u>17</u>	<u>24</u>	<u>66</u>
P10		<u>27</u>	<u>28</u>	<u>45</u>	<u>17</u>	<u>27</u>	<u>68</u>
P11		<u>28</u>	<u>31</u>	<u>50</u>	<u>17</u>	<u>30</u>	<u>70</u>
P12				<u>55</u>	<u>17</u>		
P13				<u>60</u>	<u>17</u>		
P14				<u>61</u>	<u>17</u>		
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Rankin #1

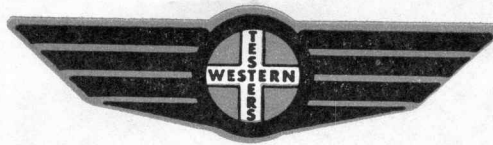
Test # 2
TKT*3595

This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2435	PSI
(B) First Initial Flow Pressure	10	PSI
(C) First Final Flow Pressure	12	PSI
(D) Initial Closed-in Pressure	31	PSI
(E) Second Initial Flow Pressure	17	PSI
(F) Second Final Flow Pressure	17	PSI
(G) Final Closed-in Pressure	70	PSI
(H) Final Hydrostatic Mud	2417	PSI



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

Company Pickrell Drilling Company Lease & Well No. Rankin #1
Elevation 2362' D.F. Ticket Number 3596
Date 10-27-63 Sec. 13 Twp. 21S Range 24W County Hodgeman State Kansas
Test Approved by Dan Bowles Western Representative Jack Toelkes

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4477' to 4497' Total Depth 4497'
Size Main Hole 7 7/8" Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No _____ Conv. _____ B.T. ☒ Damaged ☒ Yes _____ No _____
Packer Depth 4472 Ft. Size 6 3/4" Packer Depth 4477 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 20 Ft. Size 5 1/2" OD

RECORDERS Depth 4490 Ft. Clock No. 6892 Depth 4493 Ft. Clock No. 140
Top Make Amerada Cap. 3150# No. 1562 Inside _____ Outside ☒ Bottom Make Western Cap. 4000# No. 57 Inside _____ Outside ☒
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 3:30 A M
Tool Open I.F.P. From 3:32A M to 3:35A M - Hr. 3 Min. From (B) 15 P.S.I. To (C) 15 P.S.I.
Tool Closed I.C.I.P. From 3:35A M. to 4:05A M. - Hr. 30 Min. (D) 15 P.S.I.
Tool Open F.F.P. From 4:05A M. to 5:05A M. 1 Hr. - Min. From (E) 15 P.S.I. To (F) 15 P.S.I.
Tool Closed F.C.I.P. From 5:05A M. to 5:35A M. - Hr. 30 Min. (G) 15 P.S.I.
Initial Hydrostatic Pressure (A) 2441 P.S.I. Final Hydrostatic Pressure (H) 2428 P.S.I.

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

BLOW Very weak 3 mins.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 10' Drilling Mud Bottom Choke Size 3/4 in.

Reversed Out Yes ☒ No _____ Mud Type Starch Viscosity 47 Weight 10.1 Maximum Temp. 125+ °F
EXTRA EQUIPMENT: Dual Packers Yes _____ Safety Joint No _____ Jars: Size No _____ Make _____ Ser. No. _____
Type Circ. Sub. Plug Did Tool Plug? No _____ Where? _____ Did Packer Hold? Yes _____
Length Drill Pipe 3558 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 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

Flushed tool after 10 mins. - OK

WESTERN TESTING CO., INC. Pressure Data

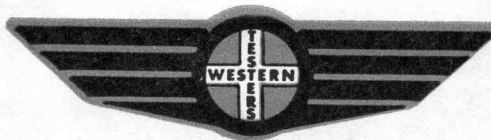
Date 10-27-63 Recorder No. 1562 Capacity 3150# Test Ticket No. 3596
 Clock No. 6892 Elevation 2362' D.F. Location 4490 Fr. 125 Well Temperature 125 °F

Point	Pressure		Time Given 3:30 A	Time Computed 3:30 AM
A Initial Hydrostatic Mud	<u>2441</u>	P.S.I.		
B First Initial Flow Pressure	<u>15</u>	P.S.I.	<u>3</u> Mins.	<u>3</u> Mins.
C First Final Flow Pressure	<u>15</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>15</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>15</u>	P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>15</u>	P.S.I.		
G Final Closed-in Pressure	<u>15</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2428</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>9</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>9</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>15</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>15</u>
P 2 <u>3</u>	<u>15</u>	<u>3</u>	<u>15</u>	<u>5</u>	<u>15</u>	<u>3</u>	<u>15</u>
P 3		<u>6</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>6</u>	<u>15</u>
P 4		<u>9</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>9</u>	<u>15</u>
P 5		<u>12</u>	<u>15</u>	<u>20</u>	<u>15</u>	<u>12</u>	<u>15</u>
P 6		<u>15</u>	<u>15</u>	<u>25</u>	<u>15</u>	<u>15</u>	<u>15</u>
P 7		<u>18</u>	<u>15</u>	<u>30</u>	<u>15</u>	<u>18</u>	<u>15</u>
P 8		<u>21</u>	<u>15</u>	<u>35</u>	<u>15</u>	<u>21</u>	<u>15</u>
P 9		<u>24</u>	<u>15</u>	<u>40</u>	<u>15</u>	<u>24</u>	<u>15</u>
P10		<u>27</u>	<u>15</u>	<u>45</u>	<u>15</u>	<u>27</u>	<u>15</u>
P11				<u>50</u>	<u>15</u>	<u>29</u>	<u>15</u>
P12				<u>55</u>	<u>15</u>		
P13				<u>60</u>	<u>15</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



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

Company Pickrell Drilling Company Lease & Well No. Rankin #1
Elevation 2362' D.F. Ticket Number 3597
Date 10-27-63 Sec. 13 Twp. 21S Range 24W County Hodgeman State Kansas
Test Approved by Dan Bowles Western Representative Jack Toelkes

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 4495' to 4515' Total Depth 4515'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☒ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☒ Yes ☒ No ☐
Packer Depth 4490 Ft. Size 6 3/4" Packer Depth 4495 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" PH Anchor Length 20 Ft. Size 5 1/2" OD

RECORDERS Depth 4508 Ft. Clock No. 6892 Depth 4511 Ft. Clock No. 140
Top Make Amerada Cap. 3150# No. 1562 Inside ☒ Outside ☐ Bottom Make Western Cap. 4000# No. 57 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 5:08 P M
Tool Open I.F.P. From 5:10P M to 5:13P M - Hr. 3 Min. From (B) 18 P.S.I. To (C) 18 P.S.I.
Tool Closed I.C.I.P. From 5:13P M. to 5:43P M. - Hr. 30 Min. (D) 1388 P.S.I.
Tool Open F.F.P. From 5:43P M. to 7:13P M. 1 Hr. 30 Min. From (E) 26 P.S.I. To (F) 87 P.S.I.
Tool Closed F.C.I.P. From 7:13P M. to 7:58P M. - Hr. 45 Min. (G) 1319 P.S.I.
Initial Hydrostatic Pressure (A) 2425 P.S.I. Final Hydrostatic Pressure (H) 2409 P.S.I.

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

BLOW Very weak throughout test Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 150' Slightly oil spotted mdy. S.W.

Reversed Out ☒ Yes ☐ No Mud Type Starch Viscosity 45 Weight 10. Maximum Temp. 135 °F
EXTRA EQUIPMENT: Dual Packers ☒ Yes Safety Joint ☐ No Jars: Size No Make n Ser. No.
Type Circ. Sub. Plug Did Tool Plug? ☐ No Where? Did Packer Hold? ☒ Yes
Length Drill Pipe 3558 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 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 10-27-63

Test Ticket No. 3597

Recorder No. 1562

Capacity 3150#

Location 4508 Ft.

Clock No. 6892

Elevation 2362' D.P.

Well Temperature 135 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2425</u> P.S.I.	Opened Tool	<u>5:08 P</u>	<u>5:08 PM</u>
B First Initial Flow Pressure	<u>18</u> P.S.I.	First Flow Pressure	<u>3</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>18</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>1388</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>88</u> Mins.
E Second Initial Flow Pressure	<u>26</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>44</u> 43 Mins.
F Second Final Flow Pressure	<u>87</u> P.S.I.			
G Final Closed-in Pressure	<u>1319</u> P.S.I.			
H Final Hydrostatic Mud	<u>2409</u> P.S.I.			

PRESSURE BREAKDOWN

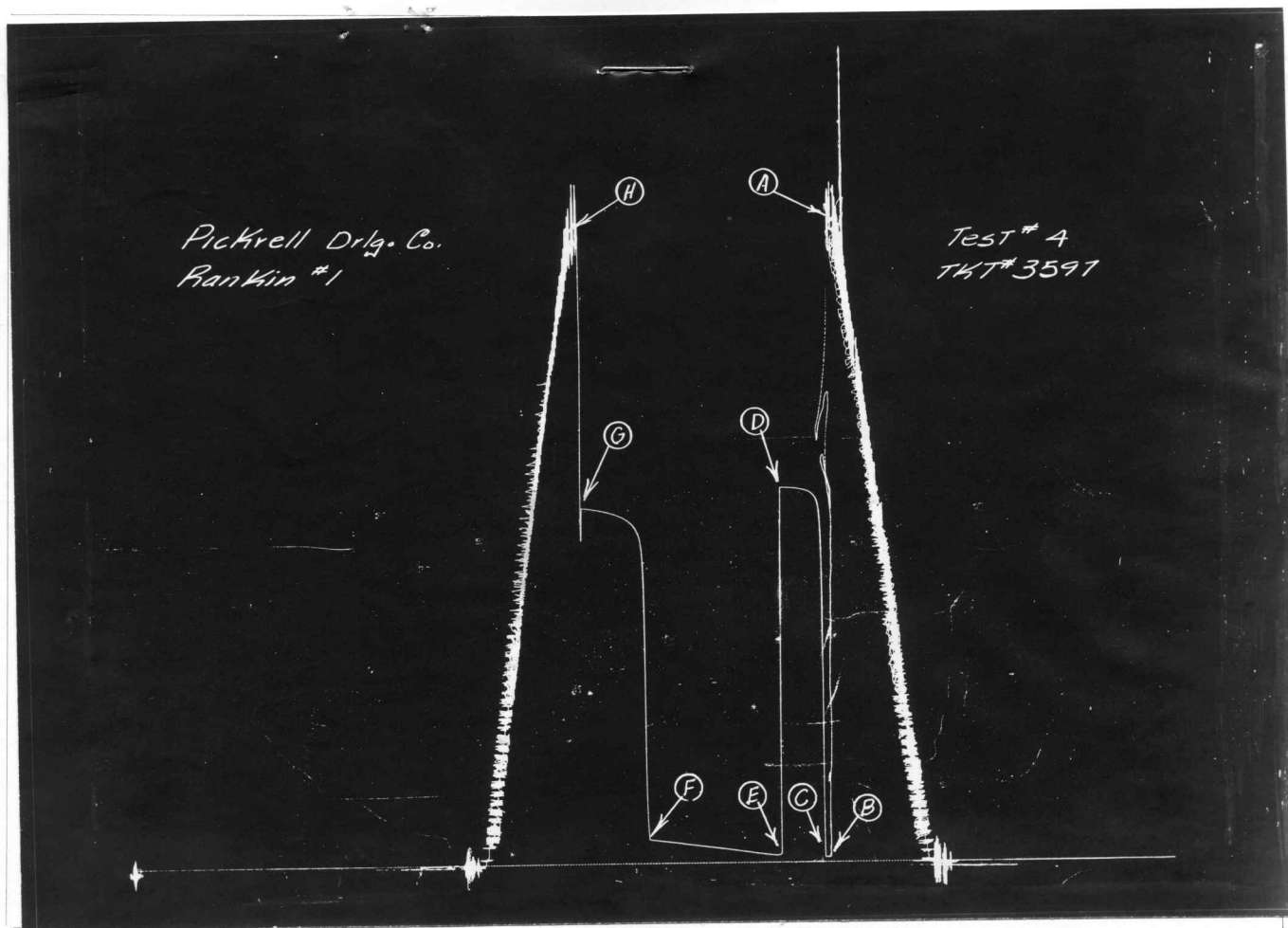
First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of - Min.

Initial Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 2 Min.

Second Flow Pressure
Breakdown: 17 Inc.
of 5 mins. and a
final inc. of 4 3 Min.

Final Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 2 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>18</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>87</u>
P 2 <u>5</u>	<u>18</u>	<u>3</u>	<u>1259</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>865</u>
P 3		<u>6</u>	<u>1354</u>	<u>10</u>	<u>31</u>	<u>6</u>	<u>1207</u>
P 4		<u>9</u>	<u>1370</u>	<u>15</u>	<u>34</u>	<u>9</u>	<u>1247</u>
P 5		<u>12</u>	<u>1376</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>1267</u>
P 6		<u>15</u>	<u>1381</u>	<u>25</u>	<u>42</u>	<u>15</u>	<u>1277</u>
P 7		<u>18</u>	<u>1386</u>	<u>30</u>	<u>45</u>	<u>18</u>	<u>1285</u>
P 8		<u>21</u>	<u>1387</u>	<u>35</u>	<u>50</u>	<u>21</u>	<u>1293</u>
P 9		<u>24</u>	<u>1388</u>	<u>40</u>	<u>53</u>	<u>24</u>	<u>1299</u>
P10		<u>27</u>	<u>1388</u>	<u>45</u>	<u>57</u>	<u>27</u>	<u>1304</u>
P11		<u>29</u>	<u>1388</u>	<u>50</u>	<u>61</u>	<u>30</u>	<u>1307</u>
P12				<u>55</u>	<u>65</u>	<u>33</u>	<u>1310</u>
P13				<u>60</u>	<u>69</u>	<u>36</u>	<u>1313</u>
P14				<u>65</u>	<u>72</u>	<u>39</u>	<u>1315</u>
P15				<u>70</u>	<u>75</u>	<u>42</u>	<u>1318</u>
P16				<u>75</u>	<u>99</u>	<u>44</u>	<u>1319</u>
P17				<u>80</u>	<u>82</u>		
P18				<u>85</u>	<u>85</u>		
P19				<u>88</u>	<u>87</u>		
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2425	PSI
(B) First Initial Flow Pressure	18	PSI
(C) First Final Flow Pressure	18	PSI
(D) Initial Closed-in Pressure	1388	PSI
(E) Second Initial Flow Pressure	26	PSI
(F) Second Final Flow Pressure	87	PSI
(G) Final Closed-in Pressure	1319	PSI
(H) Final Hydrostatic Mud	2409	PSI