



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

Company Pickrell Drilling Company Lease & Well No. #1 Voth
Elevation 1516' D.F. Ticket Number 4330
Date 11-21-63 Sec. _____ Twp. _____ Range _____ County Kingman State Kansas
Test Approved by Donald J. Malone Western Representative Ernest Luckert

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3557' to 3580' Total Depth 3580'
Size Main Hole 7 7/8" Rat Hole _____ Conv. ☒ B.T. ☒ Damaged Yes ☒ No ☒ Conv. ☒ B.T. ☒ Damaged Yes ☒ No
Packer Depth 3557 Ft. Size 6 3/4" Packer Depth 3 Ft. Size _____
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 23 Ft. Size 5 1/2" OD

RECORDERS Depth 3567 Ft. Clock No. 6597 Depth 3570 Ft. Clock No. 111
Top Make Amerada Cap. 3150# No. 1563 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 58 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 6:23P M. _____
Tool Open I.F.P. From 6:25P M. to 6:30P M. - Hr. 5 Min. From (B) 49 P.S.I. To (C) 68 P.S.I.
Tool Closed I.C.I.P. From 6:30P M. to 7:00P M. - Hr. 30 Min. (D) 1407 P.S.I.
Tool Open F.F.P. From 7:00P M. to 8:00P M. - Hr. 1 Min. From (E) 110 P.S.I. To (F) 298 P.S.I.
Tool Closed F.C.I.P. From 8:00P M. to 8:39P M. - Hr. 33 Min. (G) 1224 P.S.I.
Initial Hydrostatic Pressure (A) 1935 P.S.I. Final Hydrostatic Pressure (H) 1919 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Good steady throughout Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 600' Gas on fluid-240' Heavy Oil & Gas cut mud -

90' H.O.G.C.W.M. - 300' Salt Water Mud _____
Reversed Out Yes ☒ No _____ Mud Type Starch Viscosity 40 Weight 10.1 Maximum Temp. 122 °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 _____ ft. I.D. Drill Pipe _____ in. Length Weight Pipe 868 ft. I.D. Weight Pipe 2.6 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 32 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date 11-21-63 Test Ticket No. 4330
Recorder No. 1563 Capacity 3150# Location 3567 Ft.
Clock No. 6897 Elevation 1516' D.P. Well Temperature 122.8 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1935</u>	P.S.I.	<u>6:23 P</u>	<u>6:23 PM</u>
B First Initial Flow Pressure	<u>49</u>	P.S.I.	<u>5</u>	<u>5</u>
C First Final Flow Pressure	<u>68</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>1407</u>	P.S.I.	<u>60</u>	<u>60</u>
E Second Initial Flow Pressure	<u>110</u>	P.S.I.	<u>33</u>	<u>32</u>
F Second Final Flow Pressure	<u>298</u>	P.S.I.		
G Final Closed-in Pressure	<u>1224</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1919</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: 10 Inc. of 3 mins. and a final inc. of - Min.
Second Flow Pressure Breakdown: 12 Inc. of 5 mins. and a final inc. of - Min.
Final Shut-In Breakdown: 10 Inc. of 3 mins. and a final inc. of 2 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	44	0	68	0	110	0	298
P 1				5	116	3	919
P 2	68	3	475	10	133	6	1001
P 3		6	1137	15	155	9	1048
P 4		9	1221	20	173	12	1091
P 5		12	1267	25	192	15	1113
P 6		15	1304	30	208	18	1139
P 7		18	1331	35	225	21	1164
P 8		21	1360	40	241	24	1180
P 9		24	1380	45	258	27	1197
P10		27	1399	50	269	30	1214
P11		30	1407	55	284	32	1224
P12				60	298		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



Home Office: Great Bend, Kansas

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Company Pickrell Drilling Company Lease & Well No. Voth #1
Elevation 1516' D.F. Ticket Number 4331
Date 11-22-63 Sec. _____ Twp. _____ Range _____ County Kingman State Kansas
Test Approved by George E. Link Western Representative Ernest Luckert

Formation Test No. 2 O.K. _____ Misrun _____ Interval Tested From 3598' to 3639' Total Depth 3639'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. X Damaged _____ Yes X No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3598 Ft. Size 6 3/4" Packer Depth _____ Ft. Size _____
Straddle _____ Yes _____ No X 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 41 Ft. Size 5 1/2" OD

RECORDERS Depth 3612 Ft. Clock No. 6897 Depth 3615 Ft. Clock No. 111
Top Make Amerada Cap. 3150# No. 1563 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 50 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 4:23 P M
Tool Open I.F.P. From 4:25P M to 4:30P M - Hr. 5 Min. From (B) 71 P.S.I. To (C) 145 P.S.I.
Tool Closed I.C.I.P. From 4:30P M. to 5:00P M. - Hr. 30 Min. (D) 1543 P.S.I.
Tool Open F.F.P. From 5:00P M. to 6:32P M. 1 Hr. 32 Min. From (E) 194 P.S.I. To (F) 769 P.S.I.
Tool Closed F.C.I.P. From 6:32P M. to 7:02P M. - Hr. 30 Min. (G) 1515 P.S.I.
Initial Hydrostatic Pressure (A) 1943 P.S.I. Final Hydrostatic Pressure (H) 1930 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Good and steady throughout test Bottom Choke Size 3/4 in.
Did Well Flow _____ Yes X No _____ Recovery Total Ft. 90' Gassy slightly oil cut mud - 250' Gassy oil cut wtry. mud.
1420' Salt Water - 1760' Total fluid Mud
Reversed Out _____ Yes X No _____ Mud Type Starch Viscosity 40 Weight 10.1 Maximum Temp. 120 °F
EXTRA EQUIPMENT: Dual Packers No 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 2916 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 868 ft. I.D. Weight Pipe 2.6 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 55 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date 11-22-63 Test Ticket No. 4331
Recorder No. 1563 Capacity 3150# Location 3612 Ft.
Clock No. 6897 Elevation 1516' D.F. Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1943</u> P.S.I.	Opened Tool	<u>4:23 P</u>	<u>4:23 P</u>
B First Initial Flow Pressure	<u>71</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>145</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1543</u> P.S.I.	Second Flow Pressure	<u>62</u> Mins.	<u>91</u> Mins.
E Second Initial Flow Pressure	<u>194</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
F Second Final Flow Pressure	<u>769</u> P.S.I.			
G Final Closed-in Pressure	<u>1515</u> P.S.I.			
H Final Hydrostatic Mud	<u>1930</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 - Min.
Second Flow Pressure Breakdown: 18 Inc. of 5 mins. and a final inc. of 1 Min.
Final Shut-In Breakdown: 9 Inc. of 3 mins. and a final inc. of 1 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>145</u>	<u>0</u>	<u>194</u>	<u>0</u>	<u>769</u>
P 2 <u>5</u>	<u>145</u>	<u>3</u>	<u>1458</u>	<u>5</u>	<u>244</u>	<u>3</u>	<u>1447</u>
P 3		<u>6</u>	<u>1503</u>	<u>10</u>	<u>311</u>	<u>6</u>	<u>1472</u>
P 4		<u>9</u>	<u>1519</u>	<u>15</u>	<u>373</u>	<u>9</u>	<u>1487</u>
P 5		<u>12</u>	<u>1527</u>	<u>20</u>	<u>428</u>	<u>12</u>	<u>1495</u>
P 6		<u>15</u>	<u>1532</u>	<u>25</u>	<u>464</u>	<u>15</u>	<u>1501</u>
P 7		<u>18</u>	<u>1536</u>	<u>30</u>	<u>493</u>	<u>18</u>	<u>1506</u>
P 8		<u>21</u>	<u>1540</u>	<u>35</u>	<u>518</u>	<u>21</u>	<u>1509</u>
P 9		<u>24</u>	<u>1541</u>	<u>40</u>	<u>548</u>	<u>24</u>	<u>1512</u>
P10		<u>27</u>	<u>1543</u>	<u>45</u>	<u>573</u>	<u>27</u>	<u>1514</u>
P11				<u>50</u>	<u>598</u>	<u>28</u>	<u>1515</u>
P12				<u>55</u>	<u>621</u>		
P13				<u>60</u>	<u>643</u>		
P14				<u>65</u>	<u>664</u>		
P15				<u>70</u>	<u>684</u>		
P16				<u>75</u>	<u>706</u>		
P17				<u>80</u>	<u>728</u>		
P18				<u>85</u>	<u>747</u>		
P19				<u>90</u>	<u>766</u>		
P20				<u>91</u>	<u>769</u>		



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Company Pickrell Drlg. Co. Lease & Well No. Voth #1
Elevation 1516' D.F. Ticket Number 4740
Date 11-23-63 Sec. 34 Twp. 29 Range 6W County Kingman State Kansas
Test Approved by George E. Link Western Representative Norman Allen

Formation Test No. 3 O.K. ☒ Misrun Interval Tested From 3695' to 3713' Total Depth 3713'
Size Main Hole 7 7/8" Rat Hole Conv. B.T. Damaged Yes No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth Ft. Size Packer Depth 3695 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 18 Ft. Size 5 1/2" OD

RECORDERS Depth 3707 Ft. Clock No. 6866 Depth 3710 Ft. Clock No. 35
Top Make Amerada Cap. 6200# No. 1567 Inside Outside Bottom Make Western Cap. 6000# No. 35 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 1:07 P M.
Tool Open I.F.P. From 1:10P M. to 1:15P M. - Hr. 5 Min. From (B) 102 P.S.I. To (C) 111 P.S.I.
Tool Closed I.C.I.P. From 1:15P M. to 1:45P M. - Hr. 30 Min. (D) 1494 P.S.I.
Tool Open F.F.P. From 1:45P M. to 2:45P M. 1 Hr. - Min. From (E) 159 P.S.I. To (F) 478 P.S.I.
Tool Closed F.C.I.P. From 2:45P M. to 3:15P M. - Hr. 30 Min. (G) 1381 P.S.I.
Initial Hydrostatic Pressure (A) 2000 P.S.I. Final Hydrostatic Pressure (H) 1990 P.S.I.

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

BLOW Strong blow throughout test (Gas to sur. 53 mins.) Too weak to meas. Bottom Choke Size 3/4 in.
Did Well Flow Gas Yes No Recovery Total Ft. 92' Oil and gas cut mud - 124' Muddy greasy oil - 94' clean gassy oil - 774' Salt Water Mud

Reversed Out Yes ☒ No Mud Type Starch Viscosity 50 Weight 10. Maximum Temp. 124 °F
EXTRA EQUIPMENT: Dual Packers No 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 2741 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 840 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D. S. T. Tool 32 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 11-23-63 Recorder No. 1567 Capacity 6200# Test Ticket No. 4740 Location 3707 Ft.
 Clock No. 6866 Elevation 1516' D.F. Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2000</u> P.S.I.	Opened Tool	<u>1:07 P</u>	<u>1:07 PM</u>
B First Initial Flow Pressure	<u>102</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>111</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>1494</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>159</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>478</u> P.S.I.			
G Final Closed-in Pressure	<u>1381</u> P.S.I.			
H Final Hydrostatic Mud	<u>1990</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 1 Min.
Second Flow Pressure Breakdown: 11 Inc. of 5 mins. and a final inc. of 4 Min.
Final Shut-In Breakdown: 11 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>102</u>	<u>0</u>	<u>111</u>	<u>0</u>	<u>159</u>	<u>0</u>	<u>478</u>
P 2 <u>5</u>	<u>111</u>	<u>3</u>	<u>1296</u>	<u>5</u>	<u>171</u>	<u>3</u>	<u>1139</u>
P 3		<u>6</u>	<u>1381</u>	<u>10</u>	<u>237</u>	<u>6</u>	<u>1218</u>
P 4		<u>9</u>	<u>1427</u>	<u>15</u>	<u>270</u>	<u>9</u>	<u>1269</u>
P 5		<u>12</u>	<u>1454</u>	<u>20</u>	<u>307</u>	<u>12</u>	<u>1290</u>
P 6		<u>15</u>	<u>1466</u>	<u>25</u>	<u>328</u>	<u>15</u>	<u>1315</u>
P 7		<u>18</u>	<u>1475</u>	<u>30</u>	<u>355</u>	<u>18</u>	<u>1330</u>
P 8		<u>21</u>	<u>1484</u>	<u>35</u>	<u>382</u>	<u>21</u>	<u>1342</u>
P 9		<u>24</u>	<u>1487</u>	<u>40</u>	<u>406</u>	<u>24</u>	<u>1357</u>
P10		<u>27</u>	<u>1493</u>	<u>45</u>	<u>427</u>	<u>27</u>	<u>1366</u>
P11		<u>28</u>	<u>1494</u>	<u>50</u>	<u>448</u>	<u>30</u>	<u>1375</u>
P12				<u>55</u>	<u>466</u>	<u>33</u>	<u>1381</u>
P13				<u>59</u>	<u>478</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



Home Office: Great Bend, Kansas
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Company Pickrell Drlg. Co. Lease & Well No. Voth #1
Elevation 1516' D.F. Ticket Number 4741
Date 11-24-63 Sec. 34 Twp. 29 Range 6W County Kingman State Kansas
Test Approved by George E. Link Western Representative Norman Allen

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 3728' to 3746' Total Depth 3746'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐
Packer Depth 3728 Ft. Size 6 3/4"
Straddle Yes ☐ No ☒ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth 3728 Ft. Size 6 3/4"
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 18 Ft. Size 5 1/2" OD

RECORDERS Depth 3740 Ft. Clock No. 6866 Depth 3743 Ft. Clock No. 35
Top Make Amerada Cap. 6200# No. 1567 Inside ☐ Outside ☐ Bottom Make Western Cap. 6000# No. 35 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 4:52 A M
Tool Open I.F.P. From 4:55A M to 5:00A M - Hr. 5 Min. From (B) 54 P.S.I. To (C) 54 P.S.I.
Tool Closed I.C.I.P. From 5:00A M. to 5:30A M. - Hr. 30 Min. (D) 1061 P.S.I.
Tool Open F.F.P. From 5:30A M. to 6:30A M. 1 Hr. 78 P.S.I. To (F) 177 P.S.I.
Tool Closed F.C.I.P. From 6:30A M. to 7:00A M. - Hr. 30 Min. (G) 1027 P.S.I.
Initial Hydrostatic Pressure (A) 1984 P.S.I. Final Hydrostatic Pressure (H) 1978 P.S.I.

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

BLOW Strong blow throughout test-Gas to surf. 40 mins.-Too weak to meas. Bottom Choke Size 3/4 in.
Did Well Flow Gas Yes ☐ No ☐ Recovery Total Ft. 31' Slightly oil and gas cut mud - 62' Very heavy oil and gas cut mud - 3722' Muddy gassy oil Mud

Reversed Out Yes ☒ No ☐ Mud Type Starch Viscosity 50 Weight 372 10. Maximum Temp. 124 °F
EXTRA EQUIPMENT: Dual Packers No 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 2824 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 890 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D. S. T. Tool 32 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 11-24-63 Test Ticket No. 4741
 Recorder No. 1567 Capacity 6200# Location 3740 Ft.
 Clock No. 6866 Elevation 1516' D.F. Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1984</u> P.S.I.	Opened Tool	<u>4:52 A</u>	<u>4:52 AM</u>
B First Initial Flow Pressure	<u>54</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>54</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>1061</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>62</u> Mins.
E Second Initial Flow Pressure	<u>78</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>31</u> Mins.
F Second Final Flow Pressure	<u>177</u> P.S.I.			
G Final Closed-in Pressure	<u>1027</u> P.S.I.			
H Final Hydrostatic Mud	<u>1978</u> P.S.I.			

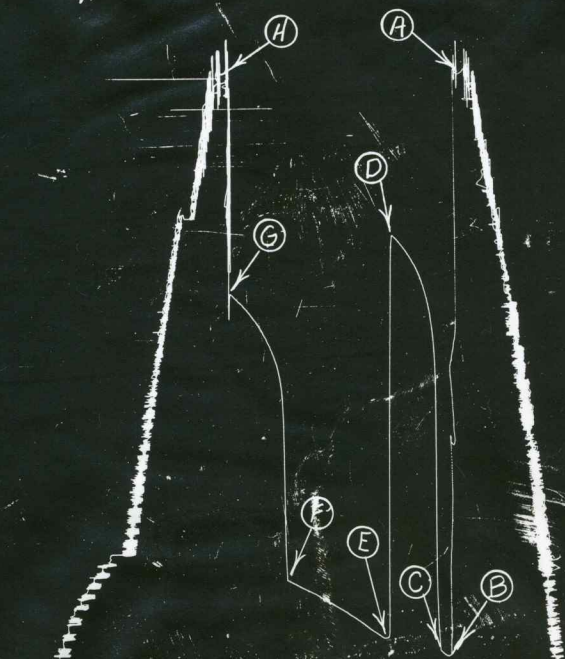
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</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>2</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>2</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>54</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>78</u>	<u>0</u>	<u>177</u>
P 2 <u>5</u>	<u>54</u>	<u>3</u>	<u>671</u>	<u>5</u>	<u>84</u>	<u>3</u>	<u>586</u>
P 3		<u>6</u>	<u>852</u>	<u>10</u>	<u>90</u>	<u>6</u>	<u>770</u>
P 4		<u>9</u>	<u>984</u>	<u>15</u>	<u>96</u>	<u>9</u>	<u>876</u>
P 5		<u>12</u>	<u>1018</u>	<u>20</u>	<u>105</u>	<u>12</u>	<u>930</u>
P 6		<u>15</u>	<u>1036</u>	<u>25</u>	<u>114</u>	<u>15</u>	<u>966</u>
P 7		<u>18</u>	<u>1048</u>	<u>30</u>	<u>123</u>	<u>18</u>	<u>984</u>
P 8		<u>21</u>	<u>1054</u>	<u>35</u>	<u>135</u>	<u>21</u>	<u>1000</u>
P 9		<u>24</u>	<u>1057</u>	<u>40</u>	<u>144</u>	<u>24</u>	<u>1012</u>
P10		<u>27</u>	<u>1060</u>	<u>45</u>	<u>153</u>	<u>27</u>	<u>1018</u>
P11		<u>29</u>	<u>1061</u>	<u>50</u>	<u>162</u>	<u>30</u>	<u>1024</u>
P12				<u>55</u>	<u>168</u>	<u>31</u>	<u>1027</u>
P13				<u>60</u>	<u>171</u>		
P14				<u>62</u>	<u>177</u>		
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Voth #1

Test #1
TWT #4330



This is an actual photograph of recorder chart.

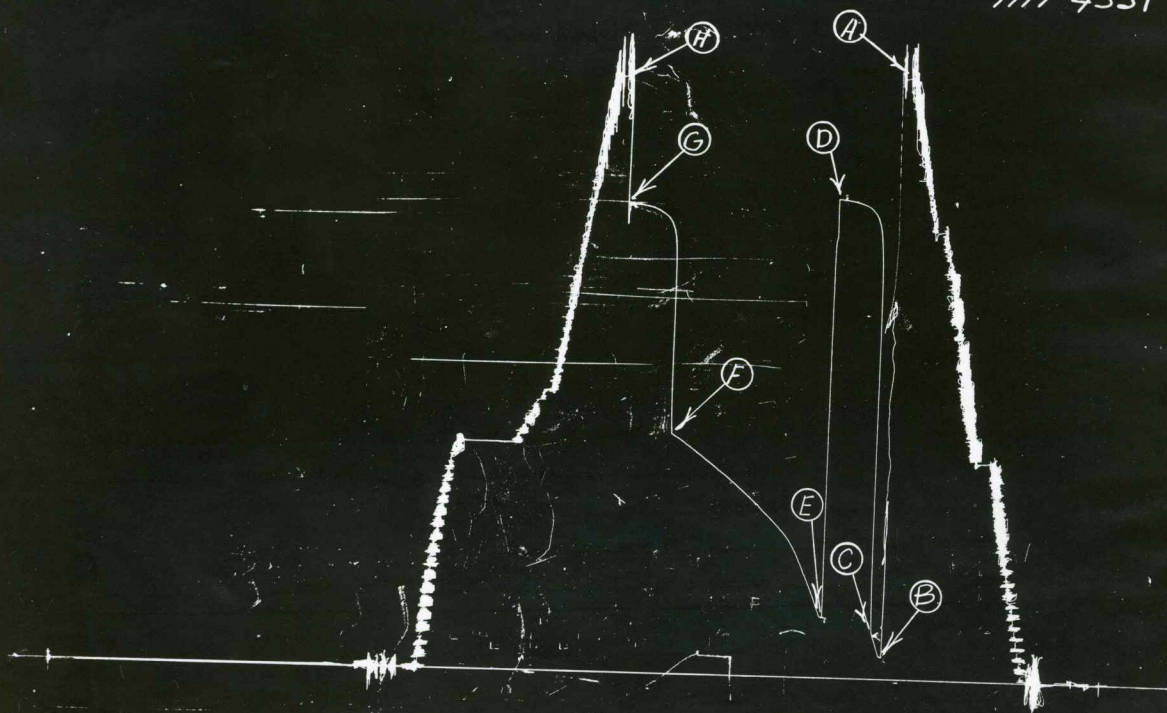
POINT

PRESSURE

(A) Initial Hydrostatic Mud	1935	PSI
(B) First Initial Flow Pressure	49	PSI
(C) First Final Flow Pressure	68	PSI
(D) Initial Closed-in Pressure	1407	PSI
(E) Second Initial Flow Pressure	110	PSI
(F) Second Final Flow Pressure	298	PSI
(G) Final Closed-in Pressure	1224	PSI
(H) Final Hydrostatic Mud	1919	PSI

Pickrell Drilling Co.
Voth #1

TEST # 2
TWT # 4331



This is an actual photograph of recorder chart.

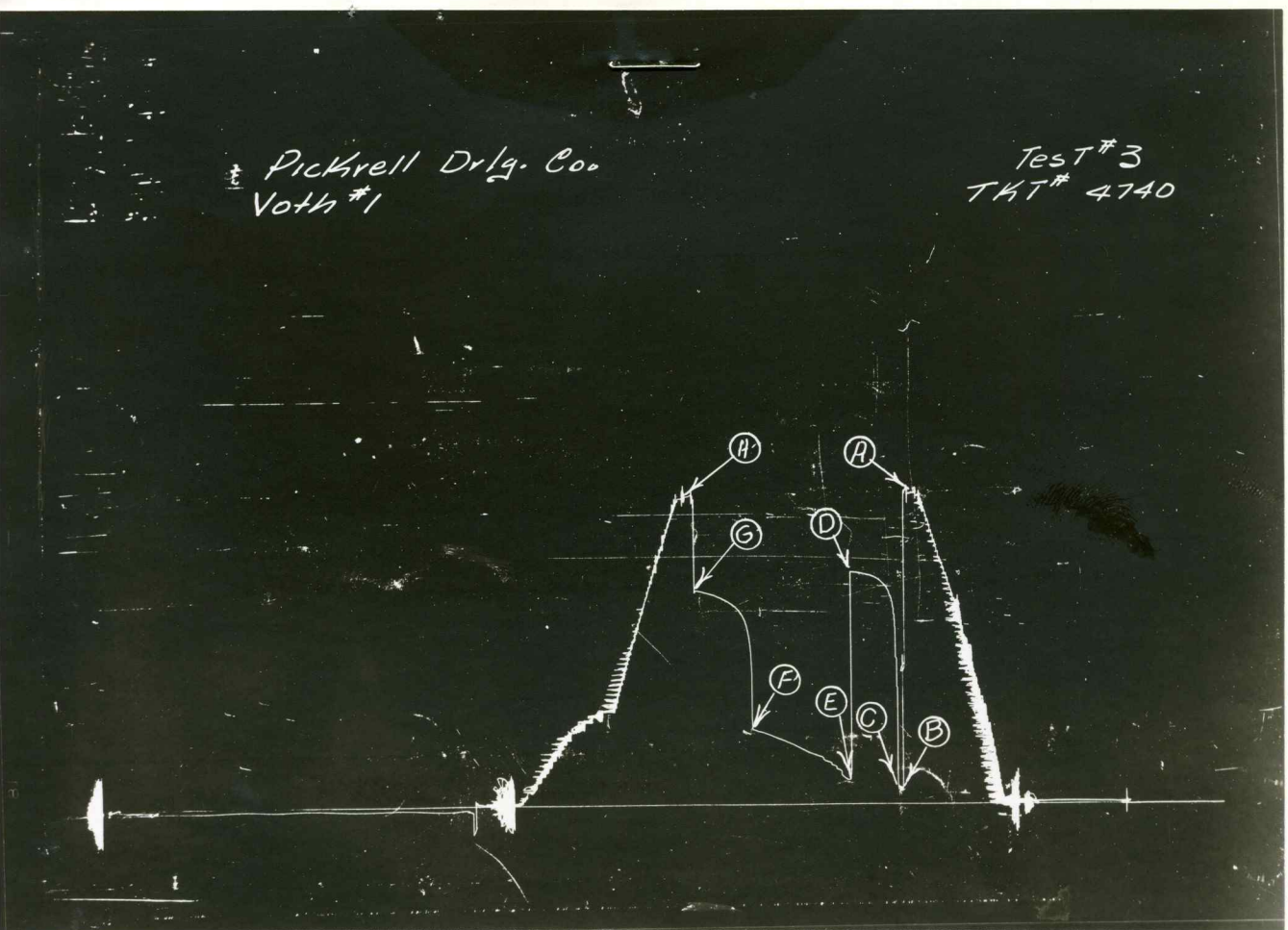
POINT

PRESSURE

(A) Initial Hydrostatic Mud	1943	PSI
(B) First Initial Flow Pressure	71	PSI
(C) First Final Flow Pressure	145	PSI
(D) Initial Closed-in Pressure	1543	PSI
(E) Second Initial Flow Pressure	194	PSI
(F) Second Final Flow Pressure	769	PSI
(G) Final Closed-in Pressure	1515	PSI
(H) Final Hydrostatic Mud	1930	PSI

Pickrell Drilling Co.
Voth #1

Test #3
TKT# 4740



This is an actual photograph of recorder chart.

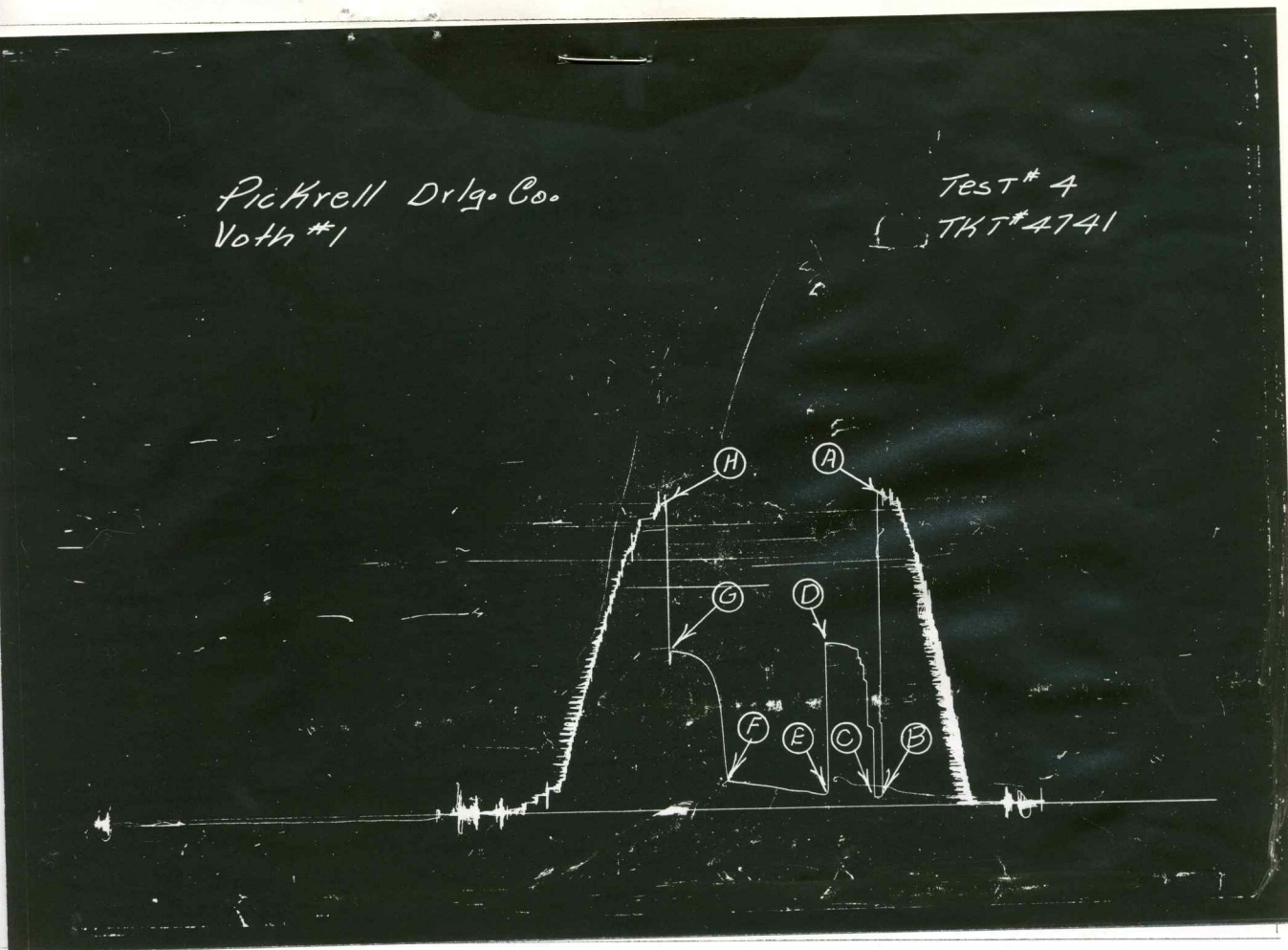
POINT

PRESSURE

(A) Initial Hydrostatic Mud	2000	PSI
(B) First Initial Flow Pressure	102	PSI
(C) First Final Flow Pressure	111	PSI
(D) Initial Closed-in Pressure	1494	PSI
(E) Second Initial Flow Pressure	159	PSI
(F) Second Final Flow Pressure	478	PSI
(G) Final Closed-in Pressure	1381	PSI
(H) Final Hydrostatic Mud	1990	PSI

Pickrell Drilling Co.
Voth #1

Test # 4
TKT # 4741



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	1984	PSI
(B) First Initial Flow Pressure	54	PSI
(C) First Final Flow Pressure	54	PSI
(D) Initial Closed-in Pressure	1061	PSI
(E) Second Initial Flow Pressure	78	PSI
(F) Second Final Flow Pressure	177	PSI
(G) Final Closed-in Pressure	1027	PSI
(H) Final Hydrostatic Mud	1978	PSI