



13-215-24w

Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Microll Drilling Company Lease & Well No. Mollenbeck #1

Elevation 2381' D.P. Ticket Number 4795

Date 6-24-63 Sec. 13 Twp. 21N Range 24W County Hodgeman State Kansas

Test Approved by Ralph W. Hawwe Western Representative Jack Toelkes

Formation Test No. 1 O.K.  Misrun  Interval Tested From 4325' to 4370' Total Depth 4370'  
Size Main Hole 7 7/8" Rat Hole  Conv.  B.T.  Damaged Yes  No  Conv.  B.T.  Damaged Yes  No   
Packer Depth 4320 Ft. Size 6 3/4" Packer Depth 4325 Ft. Size 6 3/4"  
Straddle Yes  No  Conv.  B.T.  Damaged Yes  No

Tool Size 5 1/2" OD Packer Depth 4320 Ft. Size 6 3/4"  
Tool Jt. Size 4 1/2" FH Anchor Length 45 Ft. Size 5 1/2" OD Perf.

RECORDERS  
Depth 4328 Ft. Clock No. 6774 Depth 4331 Ft. Clock No. 57  
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 3:46 P  
Tool Open I.F.P. From 3:45P M. to 3:53P M. - Hr. 5 Min. From (B) 116 P.S.I. To (C) 125 P.S.I.  
Tool Closed I.C.I.P. From 3:53P M. to 4:00P M. - Hr. 30 Min. (D) 1377 P.S.I.  
Tool Open F.F.P. From 4:00P M. to 5:00P M. - Hr. 1 Min. From (E) 185 P.S.I. To (F) 394 P.S.I.  
Tool Closed F.C.I.P. From 5:00P M. to 5:00P M. - Hr. 30 Min. (G) 1610 P.S.I.  
Initial Hydrostatic Pressure (A) 2357 P.S.I. Final Hydrostatic Pressure (H) 2328 P.S.I.

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

BLOW Strong Bottom Choke Size 3/4 In.

Did Well Flow Gas Yes  No  Recovery Total Ft. G.T.S. 120 Mins. - 1210' Fluid  
800' Gassy oil - 410' Gassy, muddy oil

Reversed Out  Yes  No  Mud Type starch Viscosity 45 Weight 10.1 Maximum Temp. 123 °F

EXTRA EQUIPMENT: Dual Packers  Safety Joint  Jars: Size                      Make                      Ser. No.                       
Type Circ. Sub. Plug Did Tool Plug?  No  Where?                      Did Packer Hold?  Yes   
Length Drill Pipe 3406 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars                      ft.  
I. D. Drill Collars                      in. Length D. S. T. Tool 64 ft.

Remarks

**WESTERN TESTING CO., INC.**  
**Pressure Data**

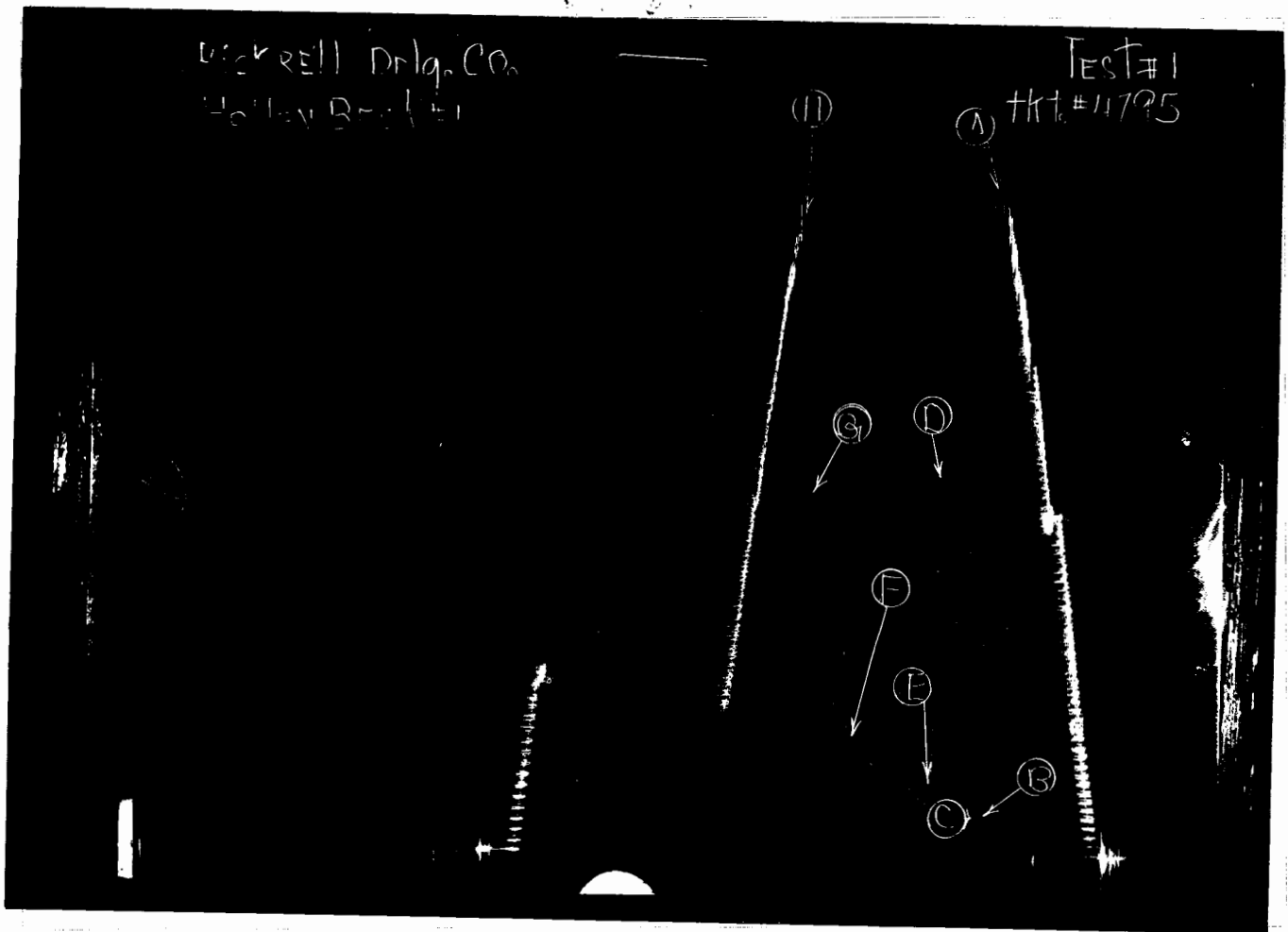
Date 6-21-63 Test Ticket No. 4795  
 Recorder No. 1562 Capacity 3150# Location 4328 Ft.  
 Clock No. 6774 Elevation 2369' D.P. Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2357</u>	P.S.I.	<u>3:48 P</u>	<u>3:48 PM</u>
B First Initial Flow Pressure	<u>116</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>125</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1377</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>185</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>394</u>	P.S.I.		
G Final Closed-in Pressure	<u>1310</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2328</u>	P.S.I.		

**PRESSURE BREAKDOWN**

<p><b>First Flow Press.</b> Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Initial Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Second Flow Pressure</b> Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Final Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.</p>
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Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1 <u>0</u>	<u>116</u>	<u>0</u>	<u>125</u>	<u>0</u>	<u>185</u>	<u>0</u>	<u>394</u>
P 2 <u>5</u>	<u>125</u>	<u>3</u>	<u>620</u>	<u>5</u>	<u>198</u>	<u>3</u>	<u>967</u>
P 3		<u>6</u>	<u>1299</u>	<u>10</u>	<u>228</u>	<u>6</u>	<u>1231</u>
P 4		<u>9</u>	<u>2399</u>	<u>15</u>	<u>251</u>	<u>9</u>	<u>1285</u>
P 5		<u>12</u>	<u>1364</u>	<u>20</u>	<u>272</u>	<u>12</u>	<u>1294</u>
P 6		<u>15</u>	<u>1368</u>	<u>25</u>	<u>283</u>	<u>15</u>	<u>1300</u>
P 7		<u>18</u>	<u>1372</u>	<u>30</u>	<u>304</u>	<u>18</u>	<u>1305</u>
P 8		<u>21</u>	<u>1373</u>	<u>35</u>	<u>321</u>	<u>21</u>	<u>1307</u>
P 9		<u>24</u>	<u>1376</u>	<u>40</u>	<u>343</u>	<u>24</u>	<u>1310</u>
P10		<u>27</u>	<u>1377</u>	<u>45</u>	<u>362</u>	<u>27</u>	<u>1310</u>
P11				<u>50</u>	<u>378</u>		
P12				<u>55</u>	<u>394</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	2357	PSI
(B) First Initial Flow Pressure .....	116	PSI
(C) First Final Flow Pressure .....	125	PSI
(D) Initial Closed-in Pressure .....	1377	PSI
(E) Second Initial Flow Pressure .....	185	PSI
(F) Second Final Flow Pressure .....	394	PSI
(G) Final Closed-in Pressure .....	1310	PSI
(H) Final Hydrostatic Mud .....	2328	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company McDowell Drilling Company Lease & Well No. Hollenbeck #1

Elevation 2369' B.F. Ticket Number 4756

Date 6-23-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas

Test Approved by Ralph N. Runne Western Representative Jack Toolkes

Formation Test No. 2 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4434' to 4462' Total Depth 4462'

Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged \_\_\_\_\_ Yes  No \_\_\_\_\_ Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No \_\_\_\_\_

Packer Depth 4429 Ft. Size 6 3/4" Packer Depth 4434 Ft. Size 6 3/4"

Straddle \_\_\_\_\_ Yes \_\_\_\_\_ No  Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Tool Size 5 1/2" OD Packer Depth \_\_\_\_\_ Ft Size \_\_\_\_\_ Tool Jt. Size 4 1/2" PR Anchor Length 28 Ft. Size 5 1/2" OD

RECORDERS Depth 4437 Ft. Clock No. 6774 Depth 4440 Ft. Clock No. 57

Top Make Andrada 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 9:28P M

Tool Open I.F.P. From 9:30P M to 9:35P M - Hr. 5 Min. From (B) 50 P.S.I. To (C) 50 P.S.I.

Tool Closed I.C.I.P. From 9:35P M. to 10:05P M. - Hr. 30 Min. (D) 1337 P.S.I.

Tool Open F.F.P. From 10:05P M. to 11:05P M. 1 Hr. - Min. From (E) 130 P.S.I. To (F) 436 P.S.I.

Tool Closed F.C.I.P. From 11:05P M. to 11:35P M. - Hr. 30 Min. (G) 1199 P.S.I.

Initial Hydrostatic Pressure (A) 2412 P.S.I. Final Hydrostatic Pressure (H) 2384 P.S.I.

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

INFORMATION \_\_\_\_\_ M. \_\_\_\_\_ M. \_\_\_\_\_ M. \_\_\_\_\_

BLOW Strong Bottom Choke Size 3/4 in.

Did Well Flow \_\_\_\_\_ Yes  No \_\_\_\_\_ Recovery Total Ft. 1270' - 670' Clean Oil - Or 39 @ 60° - 600' Muddy Oil

Reversed Out \_\_\_\_\_ Yes  No \_\_\_\_\_ Mud Type Starch Viscosity 44 Weight 10. Maximum Temp. 132 °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 3515 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars \_\_\_\_\_ ft.

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

Remarks \_\_\_\_\_

**WESTERN TESTING CO., INC.**  
**Pressure Data**

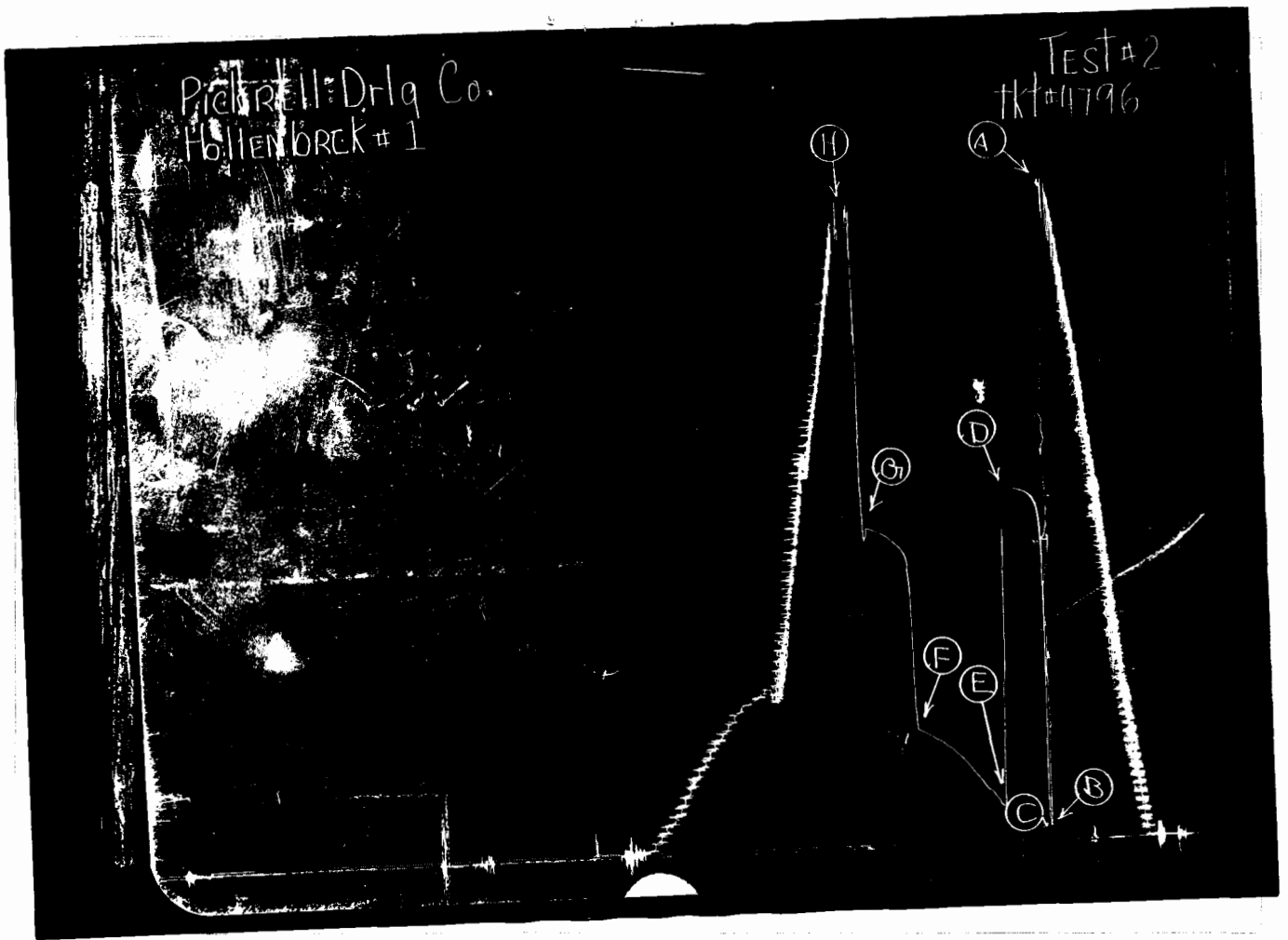
Date 6-25-63 Test Ticket No. 4796  
 Recorder No. 1561 Capacity 31504 Location 4437 Ft.  
 Clock No. 6774 Elevation 2369' D.P. Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2412</u> P.S.I.	Opened Tool	<u>9:30 P</u>	<u>9:30 PM</u>
B First Initial Flow Pressure	<u>50</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>50</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1337</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>130</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>436</u> P.S.I.			
G Final Closed-in Pressure	<u>1199</u> P.S.I.			
H Final Hydrostatic Mud	<u>2384</u> P.S.I.			

**PRESSURE BREAKDOWN**

<p><b>First Flow Press.</b> Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Initial Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Second Flow Pressure</b> Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Final Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.</p>
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>50</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>130</u>	<u>0</u>	<u>436</u>
P 2 <u>5</u>	<u>50</u>	<u>3</u>	<u>1274</u>	<u>5</u>	<u>160</u>	<u>3</u>	<u>1054</u>
P 3		<u>6</u>	<u>1291</u>	<u>10</u>	<u>193</u>	<u>6</u>	<u>1111</u>
P 4		<u>9</u>	<u>1313</u>	<u>15</u>	<u>231</u>	<u>9</u>	<u>1136</u>
P 5		<u>12</u>	<u>1323</u>	<u>20</u>	<u>259</u>	<u>12</u>	<u>1146</u>
P 6		<u>15</u>	<u>1329</u>	<u>25</u>	<u>302</u>	<u>15</u>	<u>1160</u>
P 7		<u>18</u>	<u>1330</u>	<u>30</u>	<u>330</u>	<u>18</u>	<u>1171</u>
P 8		<u>21</u>	<u>1334</u>	<u>35</u>	<u>357</u>	<u>21</u>	<u>1180</u>
P 9		<u>24</u>	<u>1335</u>	<u>40</u>	<u>381</u>	<u>24</u>	<u>1185</u>
P10		<u>27</u>	<u>1337</u>	<u>45</u>	<u>395</u>	<u>27</u>	<u>1191</u>
P11				<u>50</u>	<u>409</u>	<u>30</u>	<u>1199</u>
P12				<u>55</u>	<u>425</u>		
P13				<u>60</u>	<u>436</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	2412	PSI
(B) First Initial Flow Pressure .....	50	PSI
(C) First Final Flow Pressure .....	50	PSI
(D) Initial Closed-in Pressure .....	1337	PSI
(E) Second Initial Flow Pressure .....	130	PSI
(F) Second Final Flow Pressure .....	436	PSI
(G) Final Closed-in Pressure .....	1199	PSI
(H) Final Hydrostatic Mud .....	2384	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Hollenbeck #1

Elevation 2369' D.F. Ticket Number 4797

Date 6-26-63 Sec. 13 Twp. 2 Range 24 County Hodgeman State Kansas

Test Approved by Ralph W. Ruwe Western Representative Jack Toelkes

Formation Test No. 3 O.K.  Misrun  Interval Tested From 4463' to 4472' Total Depth 4472'

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

Packer Depth 4458 Ft. Size 6 3/4" Packer Depth 4463 Ft. Size 6 3/4"

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

Tool Size 5 1/2" O.D. Packer Depth  Ft Size

Tool Jt. Size 4 1/2" F.H. Anchor Length 9 Ft. Size 5 1/2" OD

RECORDERS Depth 4465 Ft. Clock No. 6774 Depth 4468 Ft. Clock No. 57

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.   Outside Bottom Make  Cap.  No.   Outside

Time Set Packer 12:24 P M

Tool Open I.F.P. From 12:26P M to 12:31P M - Hr. 5 Min. From (B) 20 P.S.I. To (C) 28 P.S.I.

Tool Closed I.C.I.P. From 12:31P M. to 1:01P M. - Hr. 30 Min. (D) 1294 P.S.I.

Tool Open F.F.P. From 1:01P M. to 2:01P M. 1 Hr. - Min. From (E) 58 P.S.I. To (F) 133 P.S.I.

Tool Closed F.C.I.P. From 2:01P M. to 2:31P M. - Hr. 30 Min. (G) 1029 P.S.I.

Initial Hydrostatic Pressure (A) 2449 P.S.I. Final Hydrostatic Pressure (H) 2417 P.S.I.

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

INFORMATION  M.  M.  M.

BLOW Good throughout Bottom Choke Size 3/4 in.

Did Well Flow  Yes  No Recovery Total Ft. 340' Fluid - 250' Gas - 130' Clean Oil - 210' Muddy Oil  
No Water Mud

Reversed Out  Yes  No Mud Type Starch Viscosity 49 Weight 10.2 Maximum Temp. 132 °F

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

Type Circ. Sub. Plug Did Tool Plug?  No Where?  Did Packer Hold?  Yes

Length Drill Pipe 3544 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars  ft.

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

Remarks

**WESTERN TESTING CO., INC.**  
**Pressure Data**

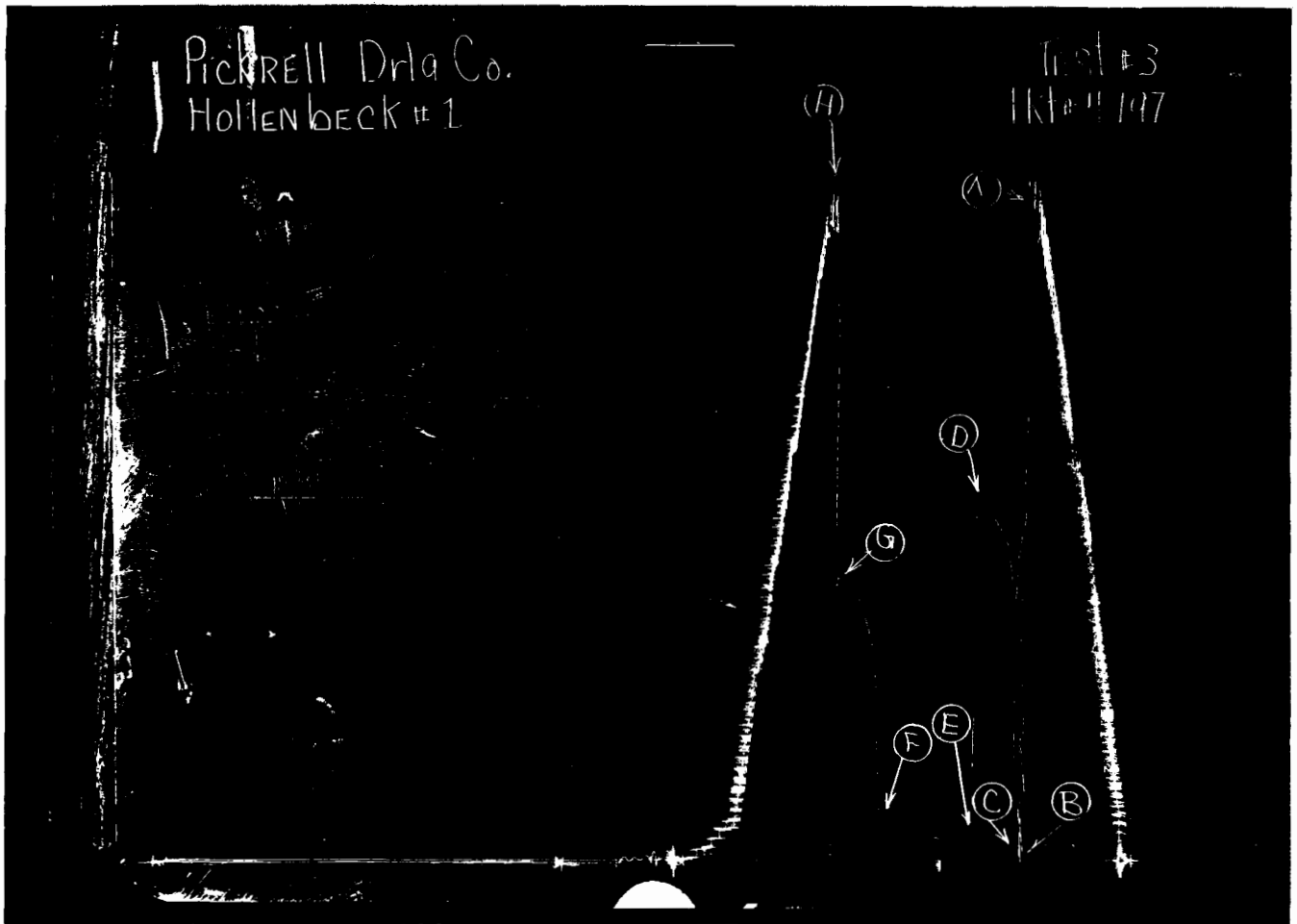
Date 6-26-63 Test Ticket No. 4797  
 Recorder No. 1562 Capacity 3150# Location 4465 Ft.  
 Clock No. 6774 Elevation 2369' D.F. Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2449</u> P.S.I.	Opened Tool	<u>12:26 P</u>	<u>12:26 PM</u>
B First Initial Flow Pressure	<u>20</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>28</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1294</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>58</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>133</u> P.S.I.			
G Final Closed-in Pressure	<u>1029</u> P.S.I.			
H Final Hydrostatic Mud	<u>2417</u> P.S.I.			

**PRESSURE BREAKDOWN**

<b>First Flow Press.</b>	<b>Initial Shut-In</b>	<b>Second Flow Pressure</b>	<b>Final Shut-In</b>
Breakdown: <u>1</u> Inc.	Breakdown: <u>10</u> Inc.	Breakdown: <u>12</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>-</u> Min.	final inc. of <u>-</u> Min.	final inc. of <u>-</u> Min.	final inc. of <u>-</u> Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>20</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>58</u>	<u>0</u>	<u>133</u>
P 2 <u>5</u>	<u>28</u>	<u>3</u>	<u>398</u>	<u>5</u>	<u>65</u>	<u>3</u>	<u>465</u>
P 3		<u>6</u>	<u>1023</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>842</u>
P 4		<u>9</u>	<u>1161</u>	<u>15</u>	<u>80</u>	<u>9</u>	<u>883</u>
P 5		<u>12</u>	<u>1185</u>	<u>20</u>	<u>89</u>	<u>12</u>	<u>946</u>
P 6		<u>15</u>	<u>1229</u>	<u>25</u>	<u>95</u>	<u>15</u>	<u>973</u>
P 7		<u>18</u>	<u>1255</u>	<u>30</u>	<u>102</u>	<u>18</u>	<u>990</u>
P 8		<u>21</u>	<u>1264</u>	<u>35</u>	<u>109</u>	<u>21</u>	<u>1007</u>
P 9		<u>24</u>	<u>1278</u>	<u>40</u>	<u>117</u>	<u>24</u>	<u>1023</u>
P10		<u>27</u>	<u>1288</u>	<u>45</u>	<u>125</u>	<u>27</u>	<u>1029</u>
P11		<u>30</u>	<u>1294</u>	<u>50</u>	<u>128</u>		
P12				<u>55</u>	<u>130</u>		
P13				<u>60</u>	<u>133</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	244.9	PSI
(B) First Initial Flow Pressure .....	20	PSI
(C) First Final Flow Pressure .....	28	PSI
(D) Initial Closed-in Pressure .....	1294	PSI
(E) Second Initial Flow Pressure .....	58	PSI
(F) Second Final Flow Pressure .....	133	PSI
(G) Final Closed-in Pressure .....	1029	PSI
(H) Final Hydrostatic Mud .....	241.7	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No Hollenbeck #1  
 Elevation 2369' D.F. Ticket Number 4798  
 Date 6-27-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas  
 Test Approved by Ralph W. Ruwe Western Representative Jack Toelkes

Formation Test No. 4 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4473' to 4482' Total Depth 4482'  
 Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged \_\_\_\_\_ Yes  No \_\_\_\_\_ Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No \_\_\_\_\_  
 Packer Depth 4468 Ft. Size 6 3/4" Packer Depth 4473 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 9 Ft. Size 5 1/2" OD

RECORDERS Depth 4475 Ft. Clock No. 6774 Depth 4478 Ft. Clock No. 57  
 Top Make Amerada Cap. 3150# No. 1562 Inside Bottom Make Western Cap. 4000# No. 57 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 1:24 A M  
 Tool Open I.F.P. From 1:25 A M to 1:30 A M - Hr. 5 Min. From (B) 20 P.S.I. To (C) 20 P.S.I.  
 Tool Closed I.C.I.P. From 1:30 A M. to 2:00 A M. - Hr. 30 Min. (D) 1176 P.S.I.  
 Tool Open F.F.P. From 2:00 A M. to 3:00 A M. 1 Hr. - Min. From (E) 21 P.S.I. To (F) 21 P.S.I.  
 Tool Closed F.C.I.P. From 3:00 A M. to 3:30 A M. - Hr. 30 Min. (G) 87 P.S.I.  
 Initial Hydrostatic Pressure (A) 2404 P.S.I. Final Hydrostatic Pressure (H) 2360 P.S.I.

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

BLOW Very weak 5 mins. Bottom Choke Size 3/4 in.  
 Did Well Flow \_\_\_\_\_ Yes  No \_\_\_\_\_ Recovery Total Ft. 10' Mud with scum of oil

Reversed Out \_\_\_\_\_ Yes  No \_\_\_\_\_ Mud Type Starch Viscosity 49 Weight 9.8 Maximum Temp. 132 °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 3544 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars \_\_\_\_\_ ft.  
 I. D. Drill Collars \_\_\_\_\_ in. Length D. S. T. Tool 28 ft.

Remarks  
Flushed tool after 20 mins. - very weak 1/4 minute blow

# WESTERN TESTING CO., INC.

## Pressure Data

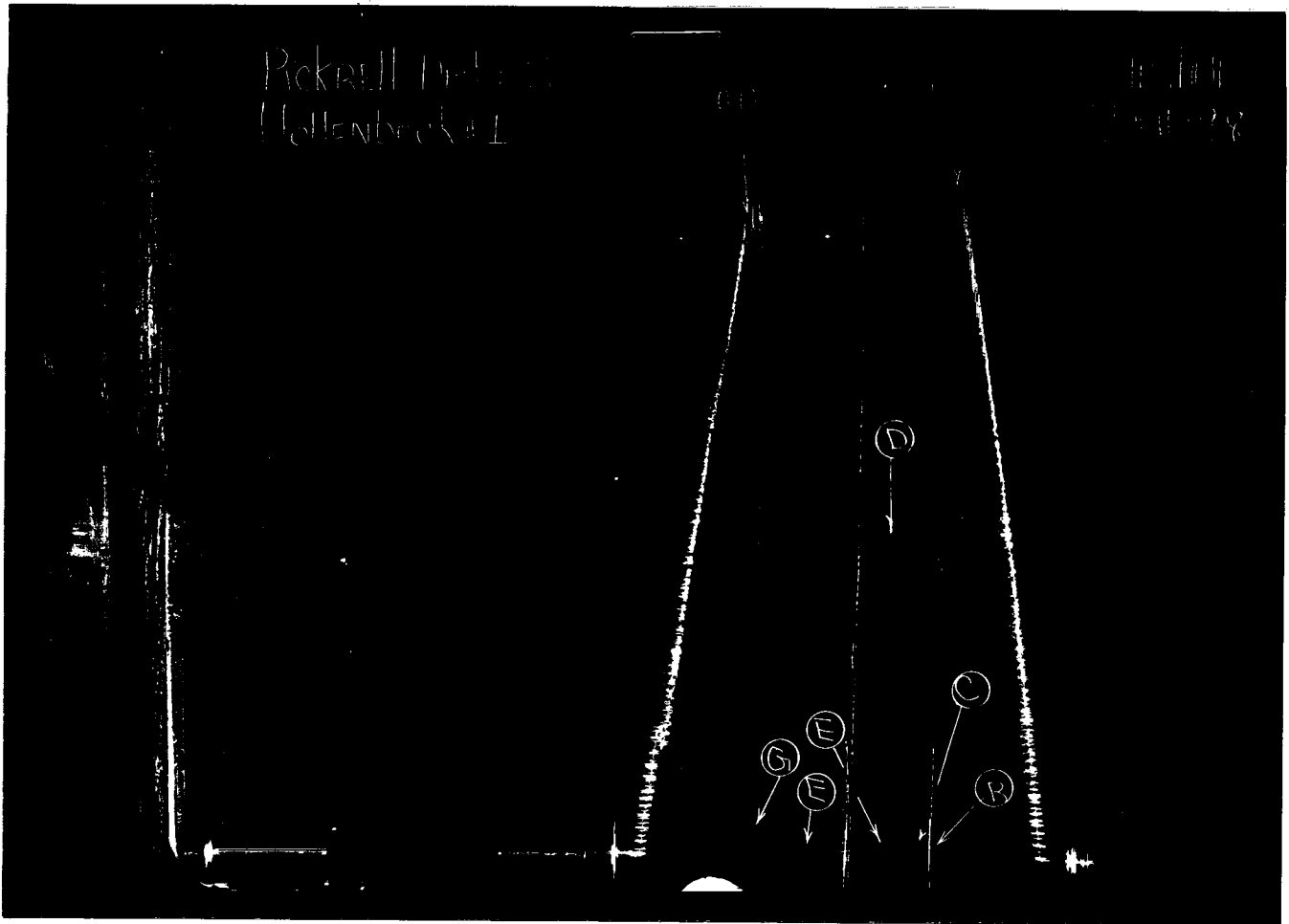
Date 6-27-63 Test Ticket No. 4798  
 Recorder No. 1562 Capacity 3150# Location 4475 Ft.  
 Clock No. 6774 Elevation 2369' D.F. Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2404</u> P.S.I.	Opened Tool	<u>1:25</u> A	<u>1:25</u> AM
B First Initial Flow Pressure	<u>20</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>20</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1176</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>21</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>21</u> P.S.I.			
G Final Closed-in Pressure	<u>87</u> P.S.I.			
H Final Hydrostatic Mud	<u>2360</u> P.S.I.			

### PRESSURE BREAKDOWN

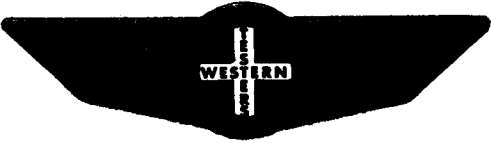
<b>First Flow Press.</b> Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	<b>Final Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>20</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>21</u>
P 2 <u>5</u>	<u>20</u>	<u>3</u>	<u>304</u>	<u>5</u>	<u>21</u>	<u>3</u>	<u>26</u>
P 3		<u>6</u>	<u>531</u>	<u>10</u>	<u>21</u>	<u>6</u>	<u>31</u>
P 4		<u>9</u>	<u>635</u>	<u>15</u>	<u>21</u>	<u>9</u>	<u>39</u>
P 5		<u>12</u>	<u>773</u>	<u>20</u>	<u>21</u>	<u>12</u>	<u>45</u>
P 6		<u>15</u>	<u>859</u>	<u>25</u>	<u>21</u>	<u>15</u>	<u>50</u>
P 7		<u>18</u>	<u>1029</u>	<u>30</u>	<u>21</u>	<u>18</u>	<u>64</u>
P 8		<u>21</u>	<u>1097</u>	<u>35</u>	<u>21</u>	<u>21</u>	<u>78</u>
P 9		<u>24</u>	<u>1147</u>	<u>40</u>	<u>21</u>	<u>24</u>	<u>82</u>
P10		<u>27</u>	<u>1176</u>	<u>45</u>	<u>21</u>	<u>27</u>	<u>87</u>
P11				<u>50</u>	<u>21</u>		
P12				<u>55</u>	<u>21</u>		
P13				<u>60</u>	<u>21</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	2404	PSI
(B) First Initial Flow Pressure .....	20	PSI
(C) First Final Flow Pressure .....	20	PSI
(D) Initial Closed-in Pressure .....	1176	PSI
(E) Second Initial Flow Pressure .....	21	PSI
(F) Second Final Flow Pressure .....	21	PSI
(G) Final Closed-in Pressure .....	87	PSI
(H) Final Hydrostatic Mud .....	2360	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Hollenbeck #1

Elevation 2369' D.F. Ticket Number 4799

Date 6-27-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas

Test Approved by Ralph W. Ruwe Western Representative Jack Toelkes

Formation Test No. 5 O.K.  Misrun  Interval Tested From 4483' 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 4478 Ft. Size 6 3/4" Packer Depth 4483 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 14 Ft. Size 5 1/2" OD

RECORDERS Depth 4490 Ft. Clock No. 6774 Depth 4493 Ft. Clock No. 57

Top Make Amerada Cap. 3150# No. 1562 Inside Outside Bottom Make Western Cap. 4000# No. 57 Inside Outside

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

Top Make  Cap.  No.  Outside  Bottom Make  Cap.  No.  Outside

Time Set Packer 2:58P M

Tool Open I.F.P. From 3:00P M to 3:05P M - Hr. 5 Min. From (B) 0 P.S.I. To (C) 0 P.S.I.

Tool Closed I.C.I.P. From 3:05P M. to 3:35P M. - Hr. 30 Min. (D) 1362 P.S.I.

Tool Open F.F.P. From 3:35P M. to 4:35P M. 1 Hr. - Min. From (E) 73 P.S.I. To (F) 289 P.S.I.

Tool Closed F.C.I.P. From 4:35P M. to 5:05P M. - Hr. 30 Min. (G) 1383 P.S.I.

Initial Hydrostatic Pressure (A) 2504 P.S.I. Final Hydrostatic Pressure (H) 2295 P.S.I.

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

INFORMATION \_\_\_\_\_ M. \_\_\_\_\_ M. \_\_\_\_\_ M.

BLOW Good throughout Bottom Choke Size 3/4 in.

Did Well Flow  Yes  No Recovery Total Ft. 740' Fluid - 430' Clean oil slightly gassy - 310' luddy oil - 33 Gr. corr. No Water Mud

Reversed Out  Yes  No Mud Type Starch Viscosity 47 Weight 10.1 Maximum Temp. 136 °F

EXTRA EQUIPMENT: Dual Packers  Safety Joint  Jars: Size No Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

Type Circ. Sub. Plug Did Tool Plug?  No Where? \_\_\_\_\_ Did Packer Hold?  Yes

Length Drill Pipe 3564 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars \_\_\_\_\_ ft.

I. D. Drill Collars \_\_\_\_\_ in. Length D. S. T. Tool 33 ft.

Remarks

**WESTERN TESTING CO., INC.**  
**Pressure Data**

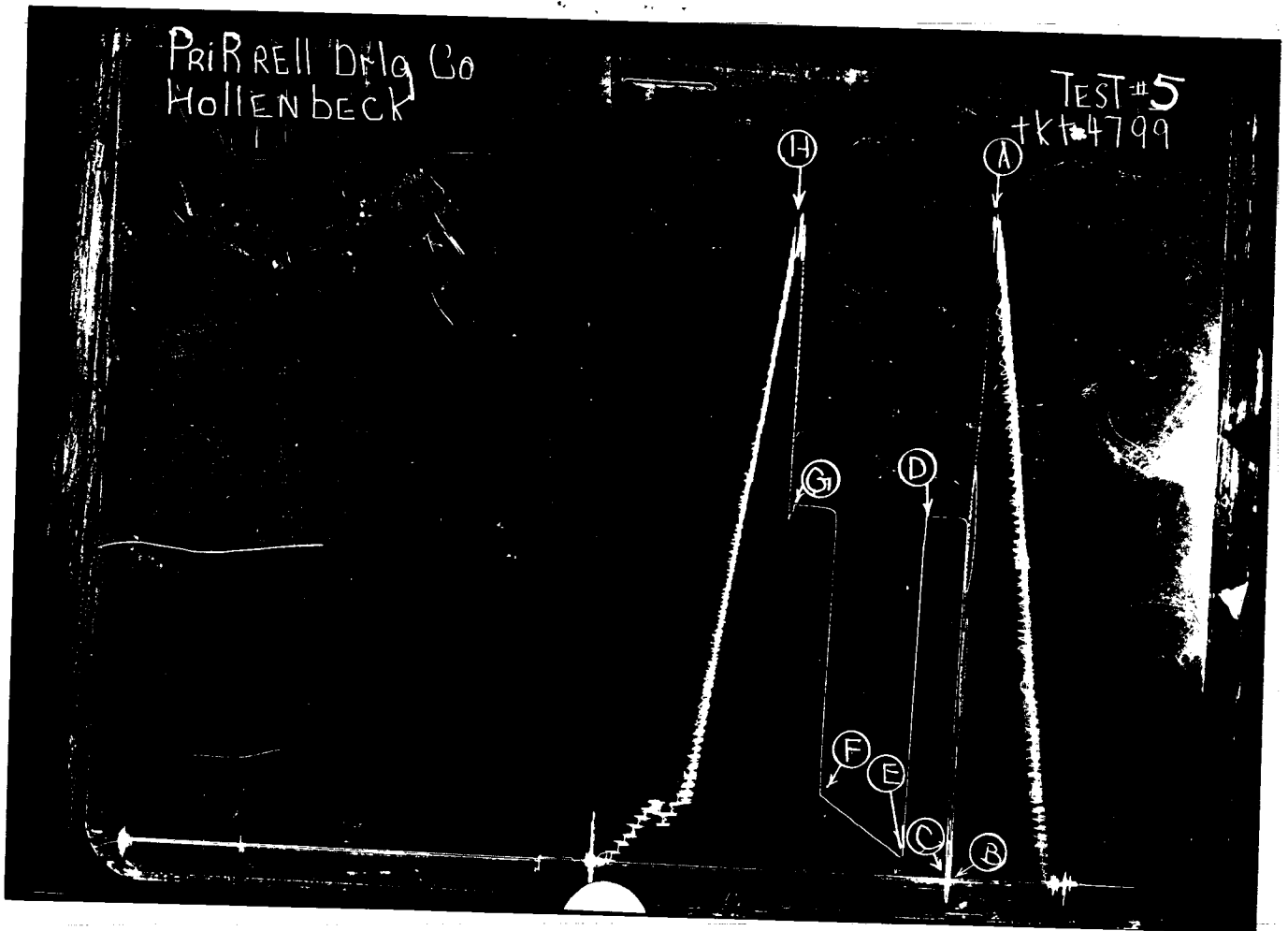
Date 6-27-63 Test Ticket No. 4799  
 Recorder No. 1562 Capacity 3150# Location 4490 Ft.  
 Clock No. 6774 Elevation 2369' D.F. Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2504</u> P.S.I.	Opened Tool	<u>3:00 P</u>	<u>3:00 PM</u>
B First Initial Flow Pressure	<u>0</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>0</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1362</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>73</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>289</u> P.S.I.			
G Final Closed-in Pressure	<u>1383</u> P.S.I.			
H Final Hydrostatic Mud	<u>2295</u> P.S.I.			

**PRESSURE BREAKDOWN**

<p><b>First Flow Press.</b> Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Initial Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Second Flow Pressure</b> Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.</p>	<p><b>Final Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.</p>
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>289</u>
P 2 <u>5</u>	<u>0</u>	<u>3</u>	<u>1345</u>	<u>5</u>	<u>91</u>	<u>3</u>	<u>1373</u>
P 3		<u>6</u>	<u>1362</u>	<u>10</u>	<u>116</u>	<u>6</u>	<u>1379</u>
P 4		<u>9</u>	<u>1362</u>	<u>15</u>	<u>131</u>	<u>9</u>	<u>1383</u>
P 5		<u>12</u>	<u>1362</u>	<u>20</u>	<u>147</u>	<u>12</u>	<u>1383</u>
P 6		<u>15</u>	<u>1362</u>	<u>25</u>	<u>168</u>	<u>15</u>	<u>1383</u>
P 7		<u>18</u>	<u>1362</u>	<u>30</u>	<u>187</u>	<u>18</u>	<u>1383</u>
P 8		<u>21</u>	<u>1362</u>	<u>35</u>	<u>209</u>	<u>21</u>	<u>1383</u>
P 9		<u>24</u>	<u>1362</u>	<u>40</u>	<u>228</u>	<u>24</u>	<u>1383</u>
P10		<u>27</u>	<u>1362</u>	<u>45</u>	<u>245</u>	<u>27</u>	<u>1383</u>
P11				<u>50</u>	<u>267</u>		
P12				<u>55</u>	<u>289</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	2504	PSI
(B) First Initial Flow Pressure .....	0	PSI
(C) First Final Flow Pressure .....	0	PSI
(D) Initial Closed-in Pressure .....	1362	PSI
(E) Second Initial Flow Pressure .....	73	PSI
(F) Second Final Flow Pressure .....	289	PSI
(G) Final Closed-in Pressure .....	1383	PSI
(H) Final Hydrostatic Mud .....	2295	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Hollenbeck #1  
 Elevation 2369' D.F. Ticket Number 4800  
 Date 6-28-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas  
 Test Approved by Ralph W. <sup>4</sup>uwwe Western Representative Jack Toelkes

Formation Test No. 6 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4498' to 4512' Total Depth 4512'  
 Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged \_\_\_\_\_ Yes  No Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No  
 Packer Depth 4493 Ft. Size 6 3/4" Packer Depth 4498 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 14 Ft. Size 5 1/2" OD

RECORDERS Depth 4505 Ft. Clock No. 6774 Depth 4508 Ft. Clock No. 57  
 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 5:05A M  
 Tool Open I.F.P. From 5:07A M to 5:12A M - Hr. 5 Min. From (B) 165 P.S.I. To (C) 165 P.S.I.  
 Tool Closed I.C.I.P. From 5:12A M. to 5:42A M. - Hr. 30 Min. (D) 1373 P.S.I.  
 Tool Open F.F.P. From 5:42A M. to 6:42A M. 1 Hr. - Min. From (E) 433 P.S.I. To (F) 1210 P.S.I.  
 Tool Closed F.C.I.P. From 6:42A M. to 7:12A M. - Hr. 30 Min. (G) 1329 P.S.I.  
 Initial Hydrostatic Pressure (A) 2490 P.S.I. Final Hydrostatic Pressure (H) 2482 P.S.I.

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

BLOW Strong - decreased to fair Bottom Choke Size \_\_\_\_\_ In.  
 Did Well Flow \_\_\_\_\_ Yes  No Recovery Total Ft. 3300' Fluid - 3240' Clean Gassy oil - 60' Muddy Oil - M. Water  
Gr. 36 Corr. Mud

Reversed Out. \_\_\_\_\_ Yes  No Mud Type Starch Viscosity 43 Weight 10. Maximum Temp. 136 °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 3579 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars \_\_\_\_\_ ft.  
 I. D. Drill Collars \_\_\_\_\_ in. Length D. S. T. Tool 33 ft.

Remarks

**WESTERN TESTING CO., INC.**  
**Pressure Data**

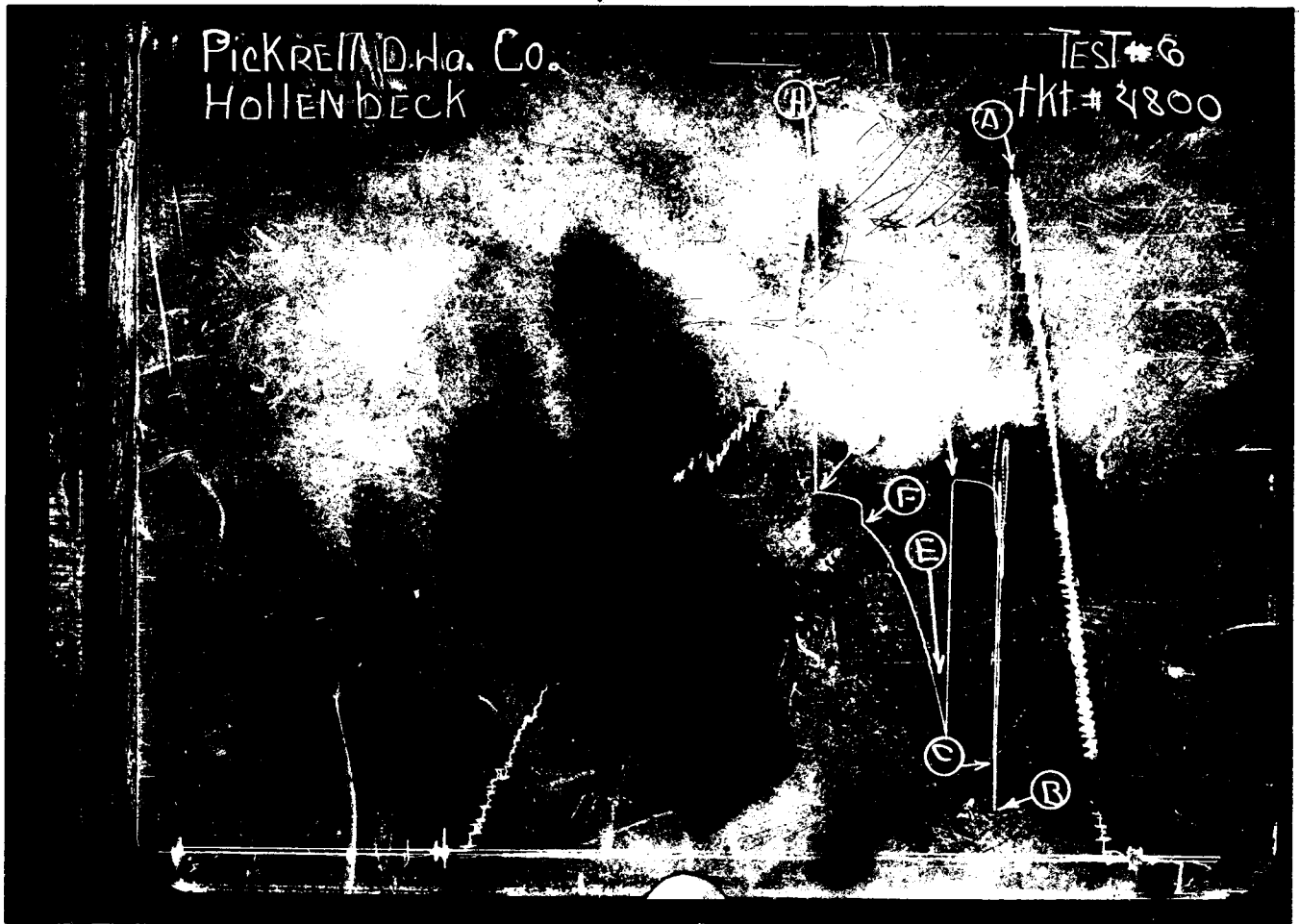
Date 6-28-63 Test Ticket No. 4800  
 Recorder No. 1562 Capacity 3150# Location 4505 Ft.  
 Clock No. 6774 Elevation 2369' D.F. Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2490</u> P.S.I.	Opened Tool	<u>5:07</u> A	<u>5:07</u> AM
B First Initial Flow Pressure	<u>165</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>165</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1373</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>433</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>1210</u> P.S.I.			
G Final Closed-in Pressure	<u>1329</u> P.S.I.			
H Final Hydrostatic Mud	<u>2482</u> <del>XXXX</del> P.S.I.			

**PRESSURE BREAKDOWN**

<b>First Flow Press.</b>	<b>Initial Shut-In</b>	<b>Second Flow Pressure</b>	<b>Final Shut-In</b>
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>-</u> Min.	final inc. of <u>-</u> Min.	final inc. of <u>-</u> Min.	final inc. of <u>-</u> Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>165</u>	<u>0</u>	<u>165</u>	<u>0</u>	<u>433</u>	<u>0</u>	<u>1210</u>
P 2 <u>5</u>	<u>165</u>	<u>3</u>	<u>1329</u>	<u>5</u>	<u>476</u>	<u>3</u>	<u>1297</u>
P 3		<u>6</u>	<u>1353</u>	<u>10</u>	<u>667</u>	<u>6</u>	<u>1305</u>
P 4		<u>9</u>	<u>1360</u>	<u>15</u>	<u>769</u>	<u>9</u>	<u>1310</u>
P 5		<u>12</u>	<u>1365</u>	<u>20</u>	<u>859</u>	<u>12</u>	<u>1315</u>
P 6		<u>15</u>	<u>1368</u>	<u>25</u>	<u>937</u>	<u>15</u>	<u>1318</u>
P 7		<u>18</u>	<u>1373</u>	<u>30</u>	<u>1003</u>	<u>18</u>	<u>1321</u>
P 8		<u>21</u>	<u>1373</u>	<u>35</u>	<u>1054</u>	<u>21</u>	<u>1324</u>
P 9		<u>24</u>	<u>1373</u>	<u>40</u>	<u>1109</u>	<u>24</u>	<u>1329</u>
P10		<u>27</u>	<u>1373</u>	<u>45</u>	<u>1150</u>	<u>27</u>	<u>1329</u>
P11		<u>30</u>	<u>1373</u>	<u>50</u>	<u>1176</u>		
P12				<u>55</u>	<u>1210</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	2490	PSI
(B) First Initial Flow Pressure .....	165	PSI
(C) First Final Flow Pressure .....	165	PSI
(D) Initial Closed-in Pressure .....	1373	PSI
(E) Second Initial Flow Pressure .....	1433	PSI
(F) Second Final Flow Pressure .....	1210	PSI
(G) Final Closed-in Pressure .....	1329	PSI
(H) Final Hydrostatic Mud .....	2482	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No Hollenbeck #1  
 Elevation 2369' D.F. Ticket Number 3526  
 Date 6-28-63 Sec 13 Twp 21 Range 24 County Hodgeman State Kansas  
 Test Approved by Ralph W. Ruwe Western Representative Jack Toelkes

Formation Test No. 7 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4513' to 4522' Total Depth 4522'  
 Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged Yes  No Conv.  B.T. \_\_\_\_\_ Damaged Yes  No  
 Packer Depth 4508 Ft. Size 6 3/4" Packer Depth 4513 Ft. Size 6 3/4"  
 Straddle Yes \_\_\_\_\_ No  Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged Yes \_\_\_\_\_ No  
 Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_  
 Tool Size \_\_\_\_\_ Tool Jt. Size \_\_\_\_\_ Anchor Length \_\_\_\_\_ Ft. Size \_\_\_\_\_

RECORDERS Depth 4515 Ft. Clock No. 6774 Depth 4518 Ft. Clock No. 57  
 Top Make Amerada Cap. 3150# No. 1562 Inside \_\_\_\_\_ Outside \_\_\_\_\_  
 Bottom Make Western Cap. 4000# No. 57 Inside \_\_\_\_\_ Outside \_\_\_\_\_  
 Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Outside \_\_\_\_\_ Inside \_\_\_\_\_  
 Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside \_\_\_\_\_ Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer 6:35 P  
 Tool Open I.F.P. From 6:36P M. to 6:41P M. - Hr. 5 Min. From (B) 20 P.S.I. To (C) 29 P.S.I.  
 Tool Closed I.C.I.P. From 6:41P M. to 7:11P M. - Hr. 30 Min. (D) 1394 P.S.I.  
 Tool Open F.F.P. From 7:11P M. to 8:11P M. 1 Hr. - Min. From (E) 47 P.S.I. To (F) 177 P.S.I.  
 Tool Closed F.C.I.P. From 8:11P M. to 8:41P M. - Hr. 30 Min. (G) 1395 P.S.I.  
 Initial Hydrostatic Pressure (A) 2454 P.S.I. Final Hydrostatic Pressure (H) 2444 P.S.I.

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

BLOW Wk build up to fair Bottom Choke Size 3/4 in.  
 Did Well Flow Yes  No \_\_\_\_\_ Recovery Total Ft. 390' - 90' oil - 35 Gr. corr. - 60' thin mud - 240' Water (Gulf)

Reversed Out Yes  No \_\_\_\_\_ Mud Type Starch Viscosity 43 Weight 10. Maximum Temp. 136 °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 2596 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars \_\_\_\_\_ ft.  
 I. D. Drill Collars \_\_\_\_\_ in. Length D. S. T. Tool 26 ft.

Remarks \_\_\_\_\_

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 6-28-63 Test Ticket No. 3526  
 Recorder No. 1562 Capacity 3150# Location 4515 Ft.  
 Clock No. 6774 Elevation 2369' D.F. Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2454</u> P.S.I.	Opened Tool	<u>6:36P</u>	<u>6:36 PM</u>
B First Initial Flow Pressure	<u>20</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>29</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1394</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>47</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>177</u> P.S.I.			
G Final Closed-in Pressure	<u>1395</u> P.S.I.			
H Final Hydrostatic Mud	<u>2444</u> P.S.I.			

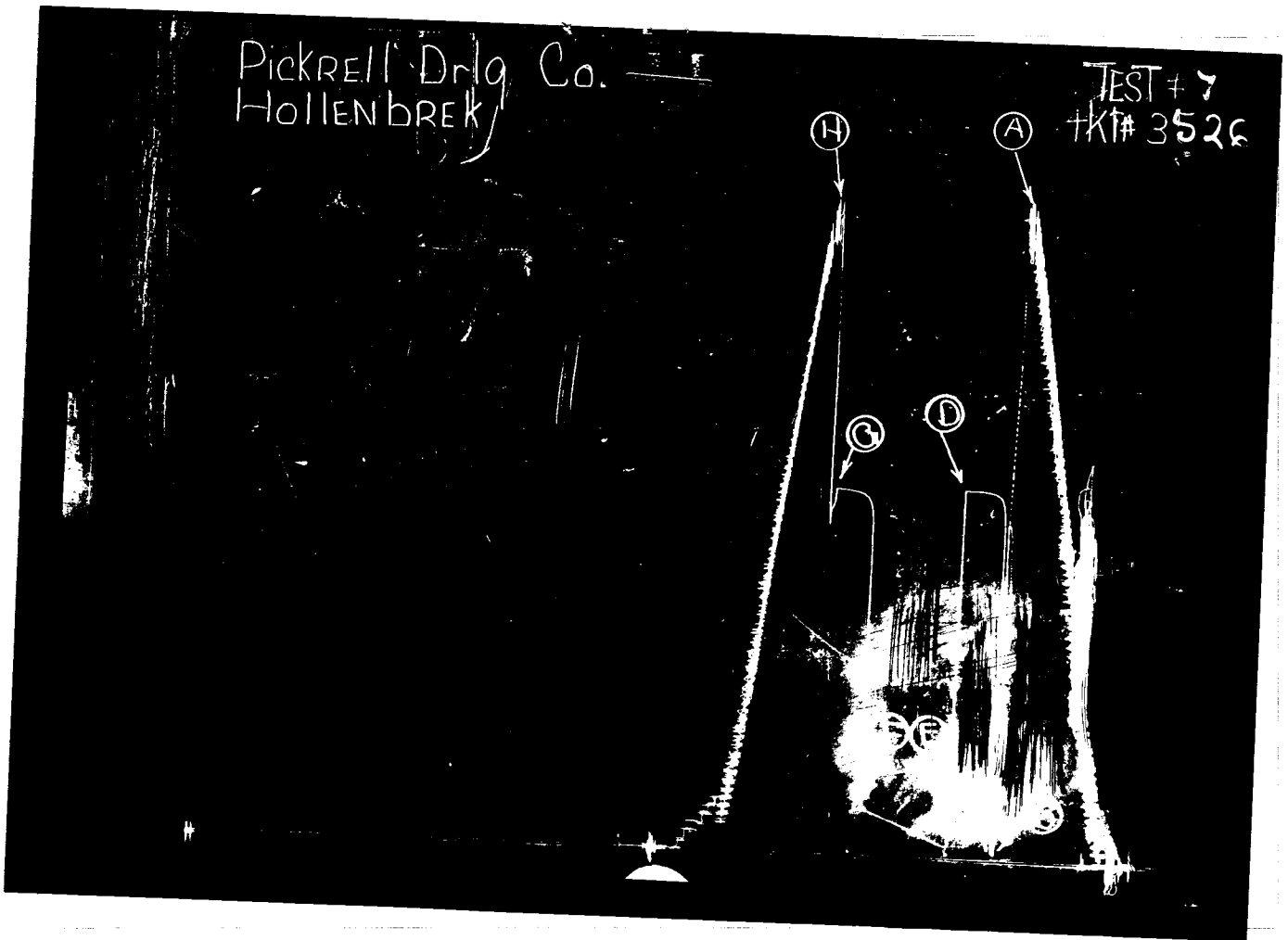
**PRESSURE BREAKDOWN**

<b>First Flow Press.</b> Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	<b>Final Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>20</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>177</u>
P 2 <u>5</u>	<u>29</u>	<u>3</u>	<u>1316</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>1326</u>
P 3		<u>6</u>	<u>1376</u>	<u>10</u>	<u>70</u>	<u>6</u>	<u>1365</u>
P 4		<u>9</u>	<u>1386</u>	<u>15</u>	<u>81</u>	<u>9</u>	<u>1387</u>
P 5		<u>12</u>	<u>1389</u>	<u>20</u>	<u>94</u>	<u>12</u>	<u>1387</u>
P 6		<u>15</u>	<u>1394</u>	<u>25</u>	<u>109</u>	<u>15</u>	<u>1389</u>
P 7		<u>18</u>	<u>1394</u>	<u>30</u>	<u>120</u>	<u>18</u>	<u>1390</u>
P 8		<u>21</u>	<u>1394</u>	<u>35</u>	<u>131</u>	<u>21</u>	<u>1394</u>
P 9		<u>24</u>	<u>1394</u>	<u>40</u>	<u>141</u>	<u>24</u>	<u>1395</u>
P10		<u>27</u>	<u>1394</u>	<u>45</u>	<u>152</u>	<u>27</u>	<u>1395</u>
P11		<u>30</u>	<u>1394</u>	<u>50</u>	<u>165</u>	<u>30</u>	
P12				<u>55</u>	<u>177</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.  
Hollenbreck

TEST # 7  
TK# 3526



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	2454	PSI
(B) First Initial Flow Pressure .....	20	PSI
(C) First Final Flow Pressure .....	29	PSI
(D) Initial Closed-in Pressure .....	1394	PSI
(E) Second Initial Flow Pressure .....	47	PSI
(F) Second Final Flow Pressure .....	177	PSI
(G) Final Closed-in Pressure .....	1395	PSI
(H) Final Hydrostatic Mud .....	2444	PSI