

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

Company Pickrell Drilling Company Lease & Well No. Housman #1
Elevation 2327' K.B. Ticket Number 3694
Date 3-15-64 Sec. 30 Twp. 22 Range 22 County Hodgeman State Kansas
Test Approved by George E. Link Western Representative Jack Toelker

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4338' to 4393' Total Depth 4393'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth 4338 Ft. Size 6 3/4" Packer Depth ☐ 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 55 Ft. Size 30' 6" DC-25' 5 1/2" OD Perf.

RECORDERS Depth 4384 Ft. Clock No. 6892 Depth 4387 Ft. Clock No. 147
Top Make Amerada Cap. 4000# No. 1567 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 11:39P M
Tool Open I.F.P. From 11:40P M to 11:42P M - Hr. 2 Min. From (B) 47 P.S.I. To (C) 47 P.S.I.
Tool Closed I.C.I.P. From 11:42P M. to 12:12A M. - Hr. 30 Min. (D) 261 P.S.I.
Tool Open F.F.P. From 12:12A M. to 12:57A M. - Hr. 45 Min. From (E) 49 P.S.I. To (F) 54 P.S.I.
Tool Closed F.C.I.P. From 12:57A M. to 1:27A M. - Hr. 30 Min. (G) 56 P.S.I.
Initial Hydrostatic Pressure (A) 2315 P.S.I. Final Hydrostatic Pressure (H) 2304 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 2 mins. Bottom Choke Size ☐ in.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 10' Drilling Mud

Reversed Out Yes ☒ No ☐ Mud Type Starch Viscosity 41 Weight 9.8 Maximum Temp. 114 °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 3484 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 69 ft.

Remarks

Flushed tool after 20 mins. - OK

WESTERN TESTING CO., INC. Pressure Data

Date 3-15-64 Recorder No. 1567 Capacity 4300# Test Ticket No. 3694
Clock No. 6892 Elevation 2327' K.B. Location 4384 Ft. Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2315</u> P.S.I.	Opened Tool	<u>11:39 P</u>	<u>11:39 PM</u>
B First Initial Flow Pressure	<u>47</u> P.S.I.	First Flow Pressure	<u>2</u> Mins.	<u>4</u> Mins.
C First Final Flow Pressure	<u>47</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>261</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>49</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>54</u> P.S.I.			
G Final Closed-in Pressure	<u>56</u> P.S.I.			
H Final Hydrostatic Mud	<u>2304</u> P.S.I.			

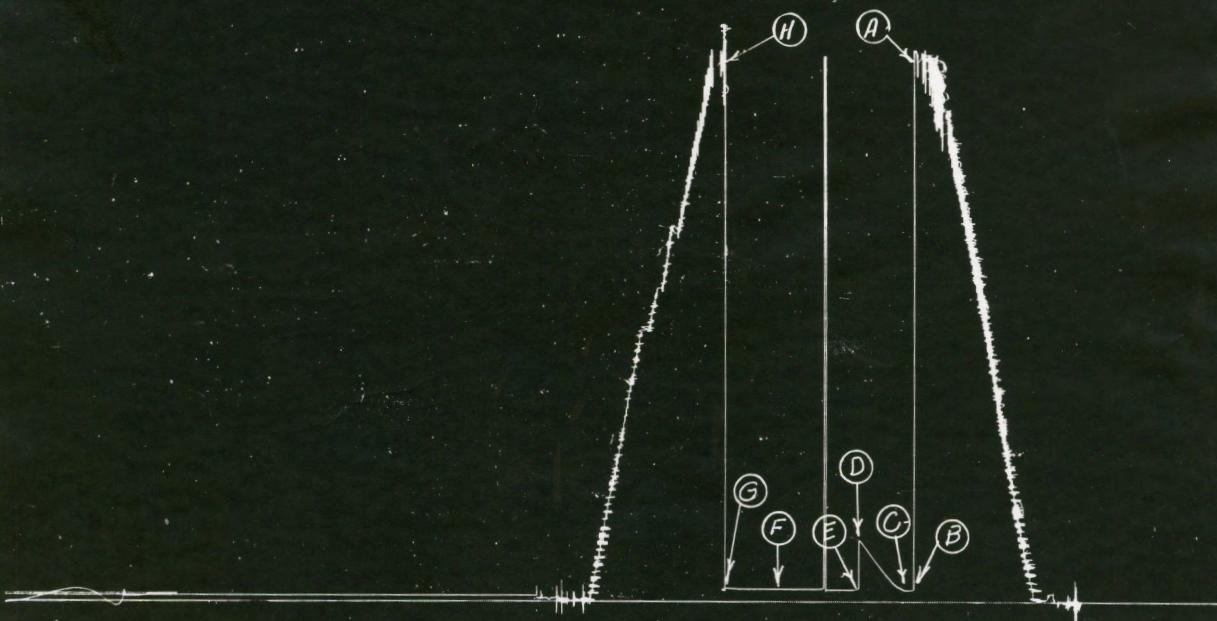
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>9</u> Inc.	Breakdown: <u>9</u> Inc.	Breakdown: <u>9</u> Inc.
of <u>4</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>1</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>47</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>54</u>
P 2 <u>4</u>	<u>47</u>	<u>3</u>	<u>54</u>	<u>5</u>	<u>49</u>	<u>3</u>	<u>54</u>
P 3		<u>6</u>	<u>66</u>	<u>10</u>	<u>49</u>	<u>6</u>	<u>54</u>
P 4		<u>9</u>	<u>86</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>54</u>
P 5		<u>12</u>	<u>112</u>	<u>20</u>	<u>49</u>	<u>12</u>	<u>55</u>
P 6		<u>15</u>	<u>140</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>55</u>
P 7		<u>18</u>	<u>168</u>	<u>30</u>	<u>54</u>	<u>18</u>	<u>55</u>
P 8		<u>21</u>	<u>200</u>	<u>35</u>	<u>54</u>	<u>21</u>	<u>56</u>
P 9		<u>24</u>	<u>231</u>	<u>40</u>	<u>54</u>	<u>24</u>	<u>56</u>
P 10		<u>27</u>	<u>257</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>56</u>
P 11		<u>28</u>	<u>261</u>				
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Drilling Co.
Housman #1

Test #1
TKT#3694



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2315	PSI
(B) First Initial Flow Pressure	47	PSI
(C) First Final Flow Pressure	47	PSI
(D) Initial Closed-in Pressure	261	PSI
(E) Second Initial Flow Pressure	49	PSI
(F) Second Final Flow Pressure	54	PSI
(G) Final Closed-in Pressure	56	PSI
(H) Final Hydrostatic Mud	2304	PSI



Home Office: Great Bend, Kansas
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Company Pickrell Drilling Company Lease & Well No. Housman #1
Elevation 2327' K.B. Ticket Number 3695
Date 3-16-64 Sec. 30 Twp. 22 Range 22 County Hodgeman State Kansas
Test Approved by George E. Link Western Representative Jack Toelkes

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4470' to 4507' Total Depth 4507'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☒ B.T. ☒ Damaged Yes ☒ No ☐ Conv. ☒ B.T. ☒ Damaged Yes ☒ No ☐
Packer Depth 4465 Ft. Size 6 3/4" Packer Depth 4470 Ft. Size 6 3/4"
Straddle ☐ Yes ☒ No ☒ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth 4465 Ft. Size 6 3/4"
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 37 Ft. Size 5 1/2" OD

RECORDERS Depth 4499 Ft. Clock No. 6892 Depth 4502 Ft. Clock No. 147
Top Make Amerada Cap. 4000# No. 1567 Inside ☒ Outside ☐ Bottom Make Western Cap. 4000# No. 57 Inside ☒ Outside ☐
Below Straddle: Depth 4499 Ft. Clock No. 6892 Inside ☒ Outside ☐ Depth 4502 Ft. Clock No. 147 Inside ☒ Outside ☐
Top Make Amerada Cap. 4000# No. 1567 Inside ☒ Outside ☐ Bottom Make Western Cap. 4000# No. 57 Inside ☒ Outside ☐

Time Set Packer 3:01A
Tool Open I.F.P. From 3:02A M. to 3:05A M. - Hr. 3 Min. From (B) 34 P.S.I. To (C) 34 P.S.I.
Tool Closed I.C.I.P. From 3:05A M. to 3:35A M. - Hr. 30 Min. (D) 1040 P.S.I.
Tool Open F.F.P. From 3:35A M. to 4:20A M. - Hr. 45 Min. From (E) 38 P.S.I. To (F) 43 P.S.I.
Tool Closed F.C.I.P. From 4:20A M. to 4:50A M. - Hr. 30 Min. (G) 47 P.S.I.
Initial Hydrostatic Pressure (A) 2398 P.S.I. Final Hydrostatic Pressure (H) 2385 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION Very weak 3 mins. Bottom Choke Size 3/4 in.

BLOW Very weak 3 mins. Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 15' Mud with few spots of oil

Reversed Out Yes ☒ No ☐ Mud Type Starch Viscosity 41 Weight 10. Maximum Temp. 118 °F
EXTRA EQUIPMENT: Dual Packers Yes ☒ Safety Joint No ☐ Jars: Size No ☐ Make ☐ Ser. No. ☐
Type Circ. Sub. Plug Did Tool Plug? No ☐ Where? 840 Did Packer Hold? Yes ☒
Length Drill Pipe 3611 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 840 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 56 ft.
I. D. Drill Collars 56 in. Length D. S. T. Tool 56 ft.

Remarks

Flushed tool after 20 mins. - OK

WESTERN TESTING CO., INC. Pressure Data

Date 3-16-64 Test Ticket No. 3695
Recorder No. 1567 Capacity 4300# Location 4499 Ft.
Clock No. 6892 Elevation 2327' K.B. Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2398</u>	P.S.I.	<u>3:01 A</u>	<u>3:01 A</u>
B First Initial Flow Pressure	<u>34</u>	P.S.I.	<u>3</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>34</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1040</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>38</u>	P.S.I.	<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>47</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2385</u>	P.S.I.		

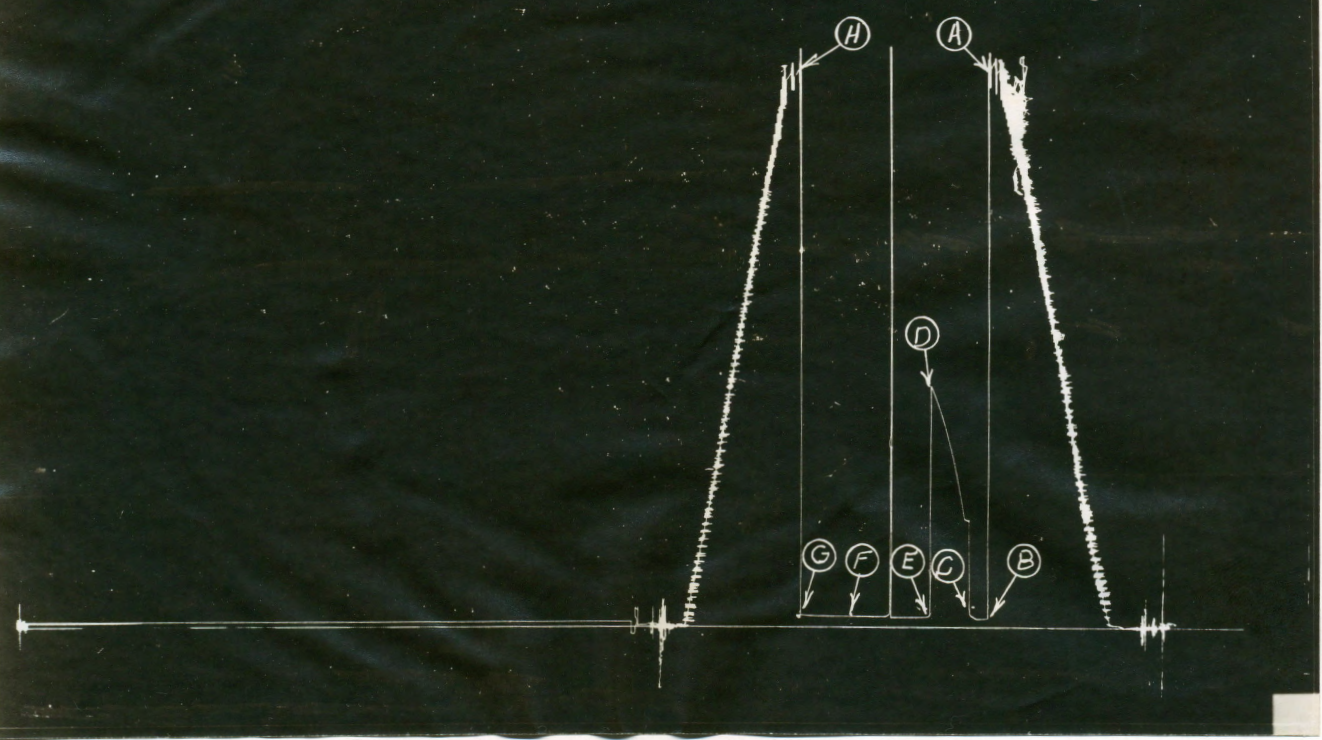
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>9</u> Inc.	Breakdown: <u>9</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>34</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>43</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>54</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>43</u>
P 3		<u>6</u>	<u>460</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>43</u>
P 4		<u>9</u>	<u>547</u>	<u>15</u>	<u>38</u>	<u>9</u>	<u>44</u>
P 5		<u>12</u>	<u>659</u>	<u>20</u>	<u>38</u>	<u>12</u>	<u>44</u>
P 6		<u>15</u>	<u>742</u>	<u>25</u>	<u>43</u>	<u>15</u>	<u>44</u>
P 7		<u>18</u>	<u>838</u>	<u>30</u>	<u>43</u>	<u>18</u>	<u>45</u>
P 8		<u>21</u>	<u>909</u>	<u>35</u>	<u>43</u>	<u>21</u>	<u>45</u>
P 9		<u>24</u>	<u>969</u>	<u>40</u>	<u>43</u>	<u>24</u>	<u>46</u>
P 10		<u>27</u>	<u>1040</u>	<u>45</u>	<u>43</u>	<u>27</u>	<u>47</u>
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Drig. Co.
Housman #1

Test # 2
TKT# 3695



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2398	PSI
(B) First Initial Flow Pressure	34	PSI
(C) First Final Flow Pressure	34	PSI
(D) Initial Closed-in Pressure	1040	PSI
(E) Second Initial Flow Pressure	38	PSI
(F) Second Final Flow Pressure	43	PSI
(G) Final Closed-in Pressure	47	PSI
(H) Final Hydrostatic Mud	2385	PSI



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P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Housman #1
Elevation 2327' K.B. Ticket Number 3696
Date 3-17-64 Sec. 30 Twp. 22 Range 22 County Hodgeman State Kansas
Test Approved by George E. Link Western Representative Jack Toelkes

Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 4554' to 4583' Total Depth 4583'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☒ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth 4554 Ft. Size 6 3/4" Packer Depth ☐ 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 29 Ft. Size 5 1/2" OD

RECORDERS	Depth <u>4573</u> Ft.	Clock No. <u>6892</u>	Depth <u>4576</u> Ft.	Clock No. <u>147</u>
	Top Make <u>Amerada</u> Cap. <u>4000#</u> No. <u>1567</u>	Inside ☐ Outside ☒	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>57</u>	Inside ☐ Outside ☒
Below Straddle:	Depth ☐ Clock No. ☐	Inside ☐ Outside ☐	Depth ☐ Clock No. ☐	Inside ☐ Outside ☐
	Top Make ☐ Cap. ☐ No. ☐	Inside ☐ Outside ☐	Bottom Make ☐ Cap. ☐ No. ☐	Inside ☐ Outside ☐

Time Set Packer 2:27A M
Tool Open I.F.P. From 2:28A M to 2:30A M - Hr. 2 Min. From (B) 25 P.S.I. To (C) 25 P.S.I.
Tool Closed I.C.I.P. From 2:30A M. to 3:00A M. - Hr. 30 Min. (D) 1417 P.S.I.
Tool Open F.F.P. From 3:00A M. to 3:45A M. - Hr. 45 Min. From (E) 28 P.S.I. To (F) 28 P.S.I.
Tool Closed F.C.I.P. From 3:45A M. to 4:15A M. - Hr. 30 Min. (G) 1266 P.S.I.
Initial Hydrostatic Pressure (A) 2409 P.S.I. Final Hydrostatic Pressure (H) 2396 P.S.I.

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

BLOW Weak 2 mins. before I.C.I.P. Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 30' Oil spotted mud with free oil on top of tool

Reversed Out ☒ Yes ☐ No Mud Type Starch Viscosity 46 Weight 10.1 Maximum Temp. 119 °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 3700 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 43 ft.

Remarks Flushed tool after 20 mins.

WESTERN TESTING CO., INC.

Pressure Data

Date 3-17-64 Test Ticket No. 3696
 Recorder No. 1567 Capacity 4300# Location 4573 Ft.
 Clock No. 6892 Elevation 2327' K.B. Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2409</u>	P.S.I.	<u>2:27 A</u>	<u>2:27 AM</u>
B First Initial Flow Pressure	<u>25</u>	P.S.I.	<u>2</u>	<u>2</u>
C First Final Flow Pressure	<u>25</u>	P.S.I.	<u>30</u>	<u>32</u>
D Initial Closed-in Pressure	<u>1417</u>	P.S.I.	<u>45</u>	<u>45</u>
E Second Initial Flow Pressure	<u>28</u>	P.S.I.	<u>30</u>	<u>33</u>
F Second Final Flow Pressure	<u>28</u>	P.S.I.		
G Final Closed-in Pressure	<u>1266</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2396</u>	P.S.I.		

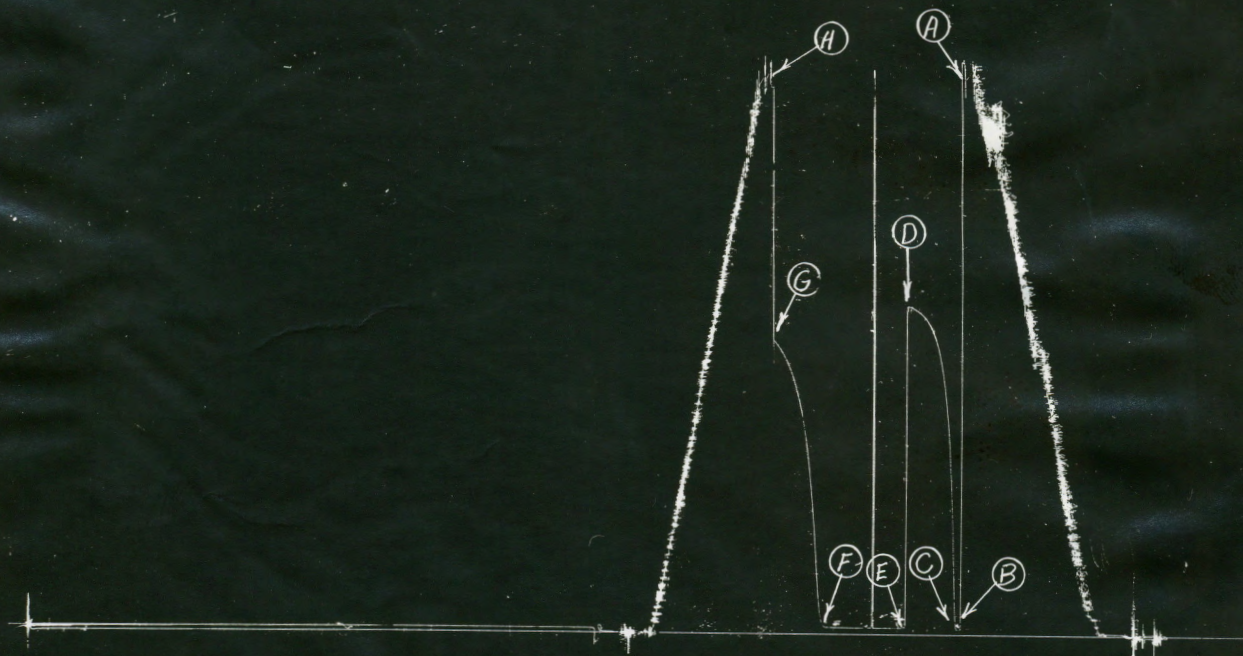
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>2</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Final Shut-In Breakdown: <u>11</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>25</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>
P 2 <u>2</u>	<u>25</u>	<u>3</u>	<u>376</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>125</u>
P 3		<u>6</u>	<u>689</u>	<u>10</u>	<u>28</u>	<u>6</u>	<u>350</u>
P 4		<u>9</u>	<u>948</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>558</u>
P 5		<u>12</u>	<u>1122</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>745</u>
P 6		<u>15</u>	<u>1234</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>900</u>
P 7		<u>18</u>	<u>1307</u>	<u>30</u>	<u>28</u>	<u>18</u>	<u>1017</u>
P 8		<u>21</u>	<u>1348</u>	<u>35</u>	<u>28</u>	<u>21</u>	<u>1096</u>
P 9		<u>24</u>	<u>1381</u>	<u>40</u>	<u>28</u>	<u>24</u>	<u>1159</u>
P 10		<u>27</u>	<u>1402</u>	<u>45</u>	<u>28</u>	<u>27</u>	<u>1204</u>
P 11		<u>30</u>	<u>1413</u>			<u>30</u>	<u>1238</u>
P 12		<u>32</u>	<u>1417</u>			<u>33</u>	<u>1266</u>
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Drilling Co.
Housman #1

Test #3
TKT#3696



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	2409	PSI
(B)	First Initial Flow Pressure	25	PSI
(C)	First Final Flow Pressure	25	PSI
(D)	Initial Closed-in Pressure	1417	PSI
(E)	Second Initial Flow Pressure	28	PSI
(F)	Second Final Flow Pressure	28	PSI
(G)	Final Closed-in Pressure	1266	PSI
(H)	Final Hydrostatic Mud	2396	PSI



Home Office: Great Bend, Kansas
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Company Pickrell Drilling Company Lease & Well No. Housman #1
Elevation 2327' K.B. Ticket Number 3697
Date 3-17-64 Sec. 30 Twp. 22 Range 22 County Hodgeman State Kansas
Test Approved by George E. Link Western Representative Jack Toelkes

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 4583' to 4593' Total Depth 4593'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged Yes ☐ No
Packer Depth 4583 Ft. Size 6 3/4" Packer Depth ☐ 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 10 Ft. Size 5 1/2" OD

RECORDERS Depth 4587 Ft. Clock No. 6892 Depth 4590 Ft. Clock No. 147
Top Make Amerada Cap. 4000# No. 1567 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 2:31 P M
Tool Open I.F.P. From 2:33P M to 2:35P M - Hr. 2 Min. From (B) 15 P.S.I. To (C) 15 P.S.I.
Tool Closed I.C.I.P. From 2:35P M. to 2:05P M. - Hr. 30 Min. (D) 1415 P.S.I.
Tool Open F.F.P. From 3:05P M. to 5:05P M. 2 Hr. - Min. (E) 25 P.S.I. To (F) 192 P.S.I.
Tool Closed F.C.I.P. From 5:05P M. to 5:45P M. - Hr. 40 Min. (G) 1364 P.S.I.
Initial Hydrostatic Pressure (A) 2396 P.S.I. Final Hydrostatic Pressure (H) 2387 P.S.I.

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

BLOW Weak build up to fair Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 440' Sil. mdy. salt water

Reversed Out Yes ☒ No ☐ Mud Type Starch Viscosity 46 Weight 10.1 Maximum Temp. 121 °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 3729 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 840 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars ☐ ft.
I. D. Drill Collars ☐ in. Length D. S. T. Tool 24 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 3-17-64 Test Ticket No. 3697
 Recorder No. 1567 Capacity 4300# Location 4587 Ft.
 Clock No. 6892 Elevation 2327' K.B. Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2396</u>	P.S.I.	<u>2:31 P</u>	<u>2:31 PM</u>
B First Initial Flow Pressure	<u>15</u>	P.S.I.	<u>2</u> Mins.	<u>2</u> Mins.
C First Final Flow Pressure	<u>15</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1415</u>	P.S.I.	<u>120</u> Mins.	<u>119</u> Mins.
E Second Initial Flow Pressure	<u>25</u>	P.S.I.	<u>40</u> Mins.	<u>40</u> Mins.
F Second Final Flow Pressure	<u>192</u>	P.S.I.		
G Final Closed-in Pressure	<u>1364</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2387</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press. Breakdown: 1 Inc. of 2 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: 23 Inc. of 5 mins. and a final inc. of 4 Min.
Final Shut-In Breakdown: 13 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>15</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>192</u>
P 2 <u>2</u>	<u>15</u>	<u>3</u>	<u>922</u>	<u>5</u>	<u>26</u>	<u>3</u>	<u>1051</u>
P 3		<u>6</u>	<u>1322</u>	<u>10</u>	<u>32</u>	<u>6</u>	<u>1210</u>
P 4		<u>9</u>	<u>1374</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>1268</u>
P 5		<u>12</u>	<u>1392</u>	<u>20</u>	<u>45</u>	<u>12</u>	<u>1296</u>
P 6		<u>15</u>	<u>1402</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>1314</u>
P 7		<u>18</u>	<u>1407</u>	<u>30</u>	<u>64</u>	<u>18</u>	<u>1329</u>
P 8		<u>21</u>	<u>1409</u>	<u>35</u>	<u>71</u>	<u>21</u>	<u>1335</u>
P 9		<u>24</u>	<u>1411</u>	<u>40</u>	<u>77</u>	<u>24</u>	<u>1344</u>
P10		<u>27</u>	<u>1413</u>	<u>45</u>	<u>86</u>	<u>27</u>	<u>1350</u>
P11		<u>30</u>	<u>1415</u>	<u>50</u>	<u>95</u>	<u>30</u>	<u>1355</u>
P12				<u>55</u>	<u>101</u>	<u>33</u>	<u>1359</u>
P13				<u>60</u>	<u>110</u>	<u>36</u>	<u>1361</u>
P14				<u>65</u>	<u>118</u>	<u>39</u>	<u>1363</u>
P15				<u>70</u>	<u>123</u>		
P16				<u>75</u>	<u>131</u>		
P17				<u>80</u>	<u>138</u>		
P18				<u>85</u>	<u>146</u>		
P19				<u>90</u>	<u>155</u>		
P20				<u>95</u>	<u>161</u>		
				<u>100</u>	<u>168</u>		
				<u>105</u>	<u>174</u>		
				<u>110</u>	<u>183</u>		
				<u>115</u>	<u>187</u>		
				<u>119</u>	<u>192</u>		

Pickrell Drlg. Co.
Housman #1

Test # 4
TKT# 3697

This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	2396	PSI
(B)	First Initial Flow Pressure	15	PSI
(C)	First Final Flow Pressure	15	PSI
(D)	Initial Closed-in Pressure	1415	PSI
(E)	Second Initial Flow Pressure	25	PSI
(F)	Second Final Flow Pressure	192	PSI
(G)	Final Closed-in Pressure	1364	PSI
(H)	Final Hydrostatic Mud	2387	PSI