



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Borger #2
Elevation 2230 Derrick Floor: Formation -Ft. Scott Ticket Number 4166
Date Nov. 26, 1964 Sec. 25 Twp. 19 Range 22 County Ness State Kansas
Test Approved by Ralph W. Runwe Western Representative Guy M. Kripe

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4218' to 4260' Total Depth 4260'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐
Packer Depth 4215 Ft. Size 6 3/4 Packer Depth 4218 Ft. Size 6 3/4
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐
Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 42 Ft. Size 5 1/2 O. D.

RECORDERS Depth 4252 Ft. Clock No. 5665 Depth 4255 Ft. Clock No. 150
Top Make Kuster Cap. 4200 No. 1559 Inside ☐ Outside ☒ Bottom Make Western Cap. 4000 No. 59 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 12:23 A M
Tool Open I.F.P. From 12:26 M to 12:30 M Hr. 4 Min. From (B) 41 P.S.I. To (C) 41 P.S.I.
Tool Closed I.C.I.P. From 12:30 A M. to 1:00 A M. Hr. 30 Min. (D) 1133 P.S.I.
Tool Open F.F.P. From 1:00 A M. to 2:30 A M. 1 Hr. 30 Min. From (E) 43 P.S.I. To (F) 45 P.S.I.
Tool Closed F.C.I.P. From 2:30 A M. to 3:04 A M. Hr. 34 Min. (G) 62 P.S.I.
Initial Hydrostatic Pressure (A) 2259 P.S.I. Final Hydrostatic Pressure (H) 2246 P.S.I.

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

BLOW Weak blow throughout flow period Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 25' slightly oil cut mud

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 37 Weight 10 Maximum Temp. 116 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☐ Jars: Size ☐ Make ☐ Ser. No. ☐
Type Circ. Sub. plug Did Tool Plug? ☐ Where? ☐ Did Packer Hold? ☒
Length Drill Pipe 3318 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 830 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ☐ ft.
I. D. Drill Collars ☐ in. Length D. S. T. Tool 62 ft.
Remarks

WESTERN TESTING CO., INC. Pressure Data

Date November 26, 1964 Test Ticket No. 4166
Recorder No. 1559 Capacity 4200 Location 4252 Ft.
Clock No. 5665 Elevation 2230 Derrick Floor Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2259</u> P.S.I.	Opened Tool	<u>12:23</u> M	
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	<u>4</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>41</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>1133</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>43</u> P.S.I.	Final Closed-in Pressure	<u>34</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>45</u> P.S.I.			
G Final Closed-in Pressure	<u>62</u> P.S.I.			
H Final Hydrostatic Mud	<u>2246</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 1 Min.

Second Flow Pressure

Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

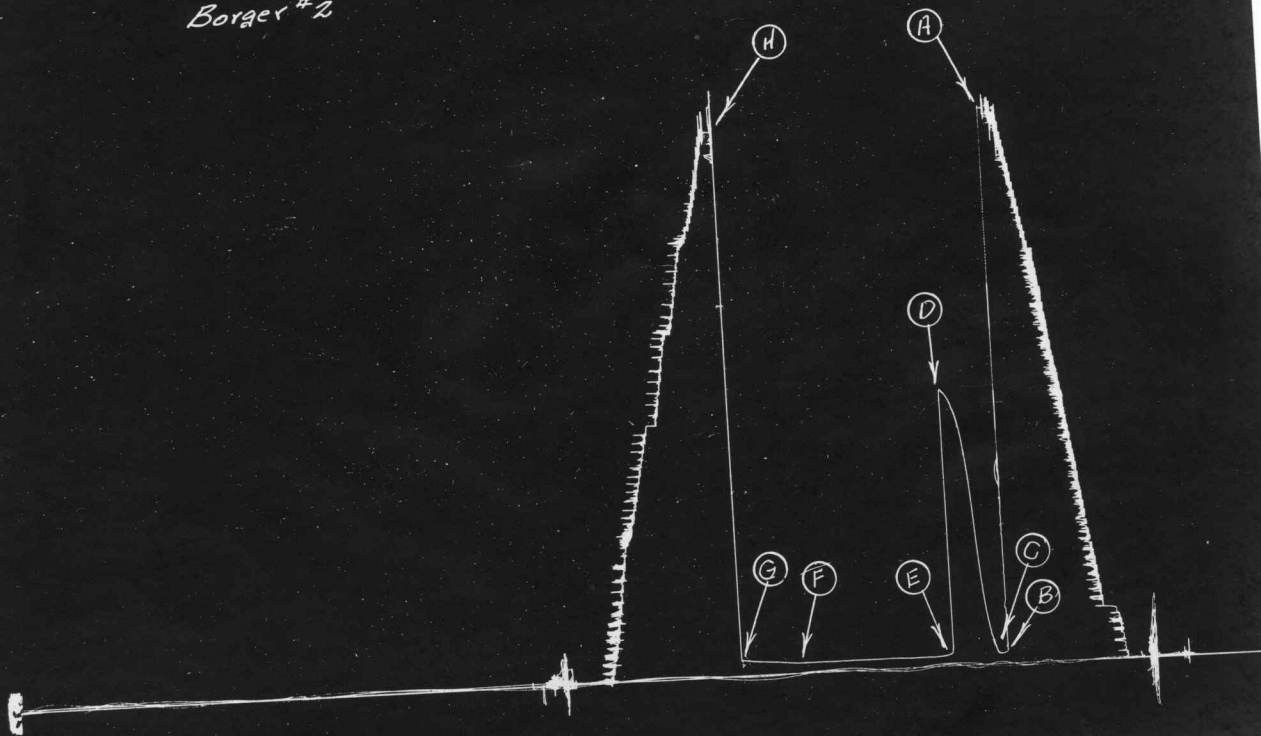
Final Shut-In

Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>41</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>45</u>
P 2 <u>5</u>	<u>41</u>	<u>3</u>	<u>83</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>45</u>
P 3		<u>6</u>	<u>181</u>	<u>10</u>	<u>43</u>	<u>6</u>	<u>47</u>
P 4		<u>9</u>	<u>328</u>	<u>15</u>	<u>43</u>	<u>9</u>	<u>48</u>
P 5		<u>12</u>	<u>581</u>	<u>20</u>	<u>43</u>	<u>12</u>	<u>50</u>
P 6		<u>15</u>	<u>799</u>	<u>25</u>	<u>43</u>	<u>15</u>	<u>52</u>
P 7		<u>18</u>	<u>962</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>54</u>
P 8		<u>21</u>	<u>1052</u>	<u>35</u>	<u>44</u>	<u>21</u>	<u>55</u>
P 9		<u>24</u>	<u>1104</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>57</u>
P 10		<u>27</u>	<u>1127</u>	<u>45</u>	<u>45</u>	<u>27</u>	<u>59</u>
P 11		<u>28</u>	<u>1133</u>	<u>50</u>	<u>45</u>	<u>30</u>	<u>60</u>
P 12				<u>55</u>	<u>45</u>	<u>33</u>	<u>62</u>
P 13				<u>60</u>	<u>45</u>		
P 14				<u>65</u>	<u>45</u>		
P 15				<u>70</u>	<u>45</u>		
P 16				<u>75</u>	<u>45</u>		
P 17				<u>80</u>	<u>45</u>		
P 18				<u>85</u>	<u>45</u>		
P 19				<u>90</u>	<u>45</u>		
P 20							

Pickrell Drilling Co.
Borger #2

TEST # 1
TKT # 4166



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2259	PSI
(B) First Initial Flow Pressure	41	PSI
(C) First Final Flow Pressure	41	PSI
(D) Initial Closed-in Pressure	1133	PSI
(E) Second Initial Flow Pressure	43	PSI
(F) Second Final Flow Pressure	45	PSI
(G) Final Closed-in Pressure	62	PSI
(H) Final Hydrostatic Mud	2246	PSI



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

Company Pickrell Drilling Company Lease & Well No. Borger #2
Elevation 2230 Derrick Floor; Formation - Miss. Ticket Number 4167
Date Nov. 26, 1964 Sec. 25 Twp. 19 Range 22 County Ness State Kansas
Test Approved by Ralph W. Runow Western Representative George Tew

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4280' to 4334' Total Depth 4334'
Size Main Hole 7 7/8 Rat Hole None Conv. B.T. Damaged Yes ☒ No ☐ Conv. B.T. Damaged Yes ☒ No ☐
Packer Depth 4280 Ft. Size 6 3/4 Packer Depth 4275 Ft. Size 6 3/4
Straddle Yes ☒ No ☐ Conv. B.T. Damaged Yes ☐ No ☐
Packer Depth Ft. Size
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 51 Ft. Size 23" 5 1/2" O.D. Anchor
28" 6" O.D. - D.C.

RECORDERS	Depth <u>4292</u>	Ft.	Clock No. <u>5665</u>	Depth <u>4295</u>	Ft.	Clock No. <u>150</u>
	Top Make <u>Kuster</u>	Cap. <u>4200</u>	No. <u>1559</u>	Bottom Make <u>Western</u>	Cap. <u>4000</u>	No. <u>59</u>
			Inside <u> </u>			Inside <u> </u>
			Outside <u> </u>			Outside <u> </u>
Below Straddle:	Depth <u> </u>		Clock No. <u> </u>	Depth <u> </u>		Clock No. <u> </u>
	Top Make <u> </u>	Cap. <u> </u>	No. <u> </u>	Bottom Make <u> </u>	Cap. <u> </u>	No. <u> </u>
			Inside <u> </u>			Inside <u> </u>
			Outside <u> </u>			Outside <u> </u>

Time Set Packer 6:52 P M
Tool Open I.F.P. From 6:55 PM to 7:00 PM Hr. 5 Min. From (B) 33 P.S.I. To (C) 33 P.S.I.
Tool Closed I.C.I.P. From 7:00 M. to 7:30 P M. Hr. 30 Min. (D) 1276 P.S.I.
Tool Open F.F.P. From 7:30 P M. to 8:45 P.M. 1 Hr. 15 Min. From (E) 33 P.S.I. To (F) 48 P.S.I.
Tool Closed F.C.I.P. From 8:45 P.M. to 9:15 P.M. Hr. 30 Min. (G) 1104 P.S.I.
Initial Hydrostatic Pressure (A) 2282 P.S.I. Final Hydrostatic Pressure (H) 2276 P.S.I.

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

BLOW Weak for five minutes. Flushed tool after 20 minutes. Weak (See remarks*) Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 90' slightly oil out mud

Reversed Out Yes ☒ No ☐ Mud Type starch Viscosity 40 Weight 10 Maximum Temp. 118 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 3383 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 880 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D. S. T. Tool 71 ft.

Remarks
* Decreasing blow for remainder of test.

WESTERN TESTING CO., INC. Pressure Data

Date November 26, 1964

Test Ticket No. 4167

Recorder No. 1559

Capacity 4200

Location 4292

Ft.

Clock No. 5665

Elevation 2230 Derrick Floor

Well Temperature 118

°F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2282</u> P.S.I.	Opened Tool	<u>6:52 P</u> M	
B First Initial Flow Pressure	<u>33</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>33</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1296</u> P.S.I.	Second Flow Pressure	<u>75</u> Mins.	<u>75</u> Mins.
E Second Initial Flow Pressure	<u>33</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>48</u> P.S.I.			
G Final Closed-in Pressure	<u>1104</u> P.S.I.			
H Final Hydrostatic Mud	<u>2276</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

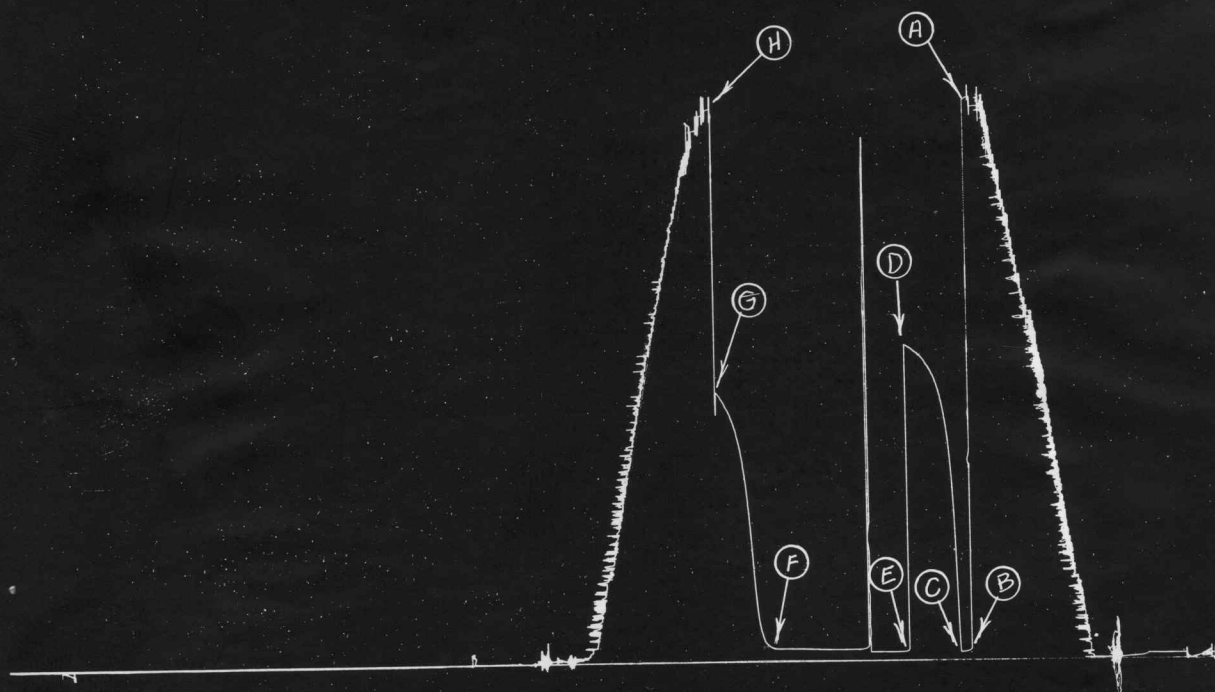
Second Flow Pressure
Breakdown: 15 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>33</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>344</u>	<u>5</u>	<u>33</u>	<u>3</u>	<u>58</u>
P 3		<u>6</u>	<u>618</u>	<u>10</u>	<u>33</u>	<u>6</u>	<u>75</u>
P 4		<u>9</u>	<u>893</u>	<u>15</u>	<u>33</u>	<u>9</u>	<u>148</u>
P 5		<u>12</u>	<u>1043</u>	<u>20</u>	<u>33</u>	<u>12</u>	<u>313</u>
P 6		<u>15</u>	<u>1140</u>	<u>25</u>	<u>43</u>	<u>15</u>	<u>493</u>
P 7		<u>18</u>	<u>1192</u>	<u>30</u>	<u>43</u>	<u>18</u>	<u>687</u>
P 8		<u>21</u>	<u>1231</u>	<u>35</u>	<u>44</u>	<u>21</u>	<u>849</u>
P 9		<u>24</u>	<u>1259</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>966</u>
P 10		<u>27</u>	<u>1277</u>	<u>45</u>	<u>45</u>	<u>27</u>	<u>1018</u>
P 11		<u>30</u>	<u>1296</u>	<u>50</u>	<u>45</u>	<u>30</u>	<u>1066</u>
P 12				<u>55</u>	<u>46</u>	<u>33</u>	<u>1104</u>
P 13				<u>60</u>	<u>46</u>		
P 14				<u>65</u>	<u>47</u>		
P 15				<u>70</u>	<u>47</u>		
P 16				<u>75</u>	<u>48</u>		
P 17							
P 18							
P 19							
P 20							

Pickrell Drilling Co.
Borger #2

TEST # 2
TKT # 4167



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2282	PSI
(B) First Initial Flow Pressure	33	PSI
(C) First Final Flow Pressure	33	PSI
(D) Initial Closed-in Pressure	1296	PSI
(E) Second Initial Flow Pressure	33	PSI
(F) Second Final Flow Pressure	48	PSI
(G) Final Closed-in Pressure	1104	PSI
(H) Final Hydrostatic Mud	2276	PSI



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

Company Pickrell Drilling Co. Lease & Well No. Borger #2
Elevation 2230 Derrick Floor Formation-Miss. Ticket Number 5496
Date Nov. 27, 1964 Sec. 25 Twp. 19 Range 22 County Ness State Kansas
Test Approved by Ralph W. Runwa Western Representative Jack Toelkes

Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 4335' to 4341' Total Depth 4341'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐
Packer Depth 4330 Ft. Size 6 3/4 Packer Depth 4335 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 6 Ft. Size 5 1/2 OD

RECORDERS Depth 4322 Aprox. Ft. Clock No. 6892 Depth 4338 Ft. Clock No. 142
Top Make Amerada Cap. 4382 No. 1567 Inside Bottom Make Western Cap. 3000 No. 30 Inside
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Outside
Top Make Cap. No. Inside Bottom Make Cap. No. Inside
Time Set Packer 10:10 P M
Tool Open I.F.P. From 10:12M to 10:17M Hr. 5 Min. From (B) 10 P.S.I. To (C) 10 P.S.I.
Tool Closed I.C.I.P. From 10:17M to 10:47M Hr. 30 Min. (D) 1381 P.S.I.
Tool Open F.F.P. From 10:47M to 12:02A Hr. 1 Min. From (E) 19 P.S.I. To (F) 32 P.S.I.
Tool Closed F.C.I.P. From 12:02A to 12:32A Hr. 30 Min. (G) 1268 P.S.I.
Initial Hydrostatic Pressure (A) 2297 P.S.I. Final Hydrostatic Pressure (H) 2273 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M. after 30 minutes = See below

BLOW Very weak 5 minutes on P.F. start very weak after open 15 minutes; died /
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 20' free oil = 50' mud Bottom Choke Size 3/4 In.

Reversed Out Yes ☒ No ☐ Mud Type starch Viscosity 50 Weight 10 Maximum Temp. 113 *F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 3431 ft. I.D. Drill Pipe in. Length Weight Pipe 880 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D. S. T. Tool 30 ft.

Remarks Flushed tool after 45 minutes; very weak blow 10 minutes. Total 30 minutes.

WESTERN TESTING CO., INC. Pressure Data

Date **November 27, 1964**

Test Ticket No. **5496**

Recorder No. **1567** Capacity **4300** Location **4322** Ft.

Clock No. **6892** Elevation **2230 Derrick Floor** Well Temperature **113** °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2297 P.S.I.	Opened Tool	1010P M	
B First Initial Flow Pressure	10 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	10 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1381 P.S.I.	Second Flow Pressure	75 Mins.	75 Mins.
E Second Initial Flow Pressure	19 P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	32 P.S.I.			
G Final Closed-in Pressure	1268 P.S.I.			
H Final Hydrostatic Mud	2273 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: **1** Inc.
of **5** mins. and a
final inc. of **0** Min.

Initial Shut-In
Breakdown: **10** Inc.
of **3** mins. and a
final inc. of **0** Min.

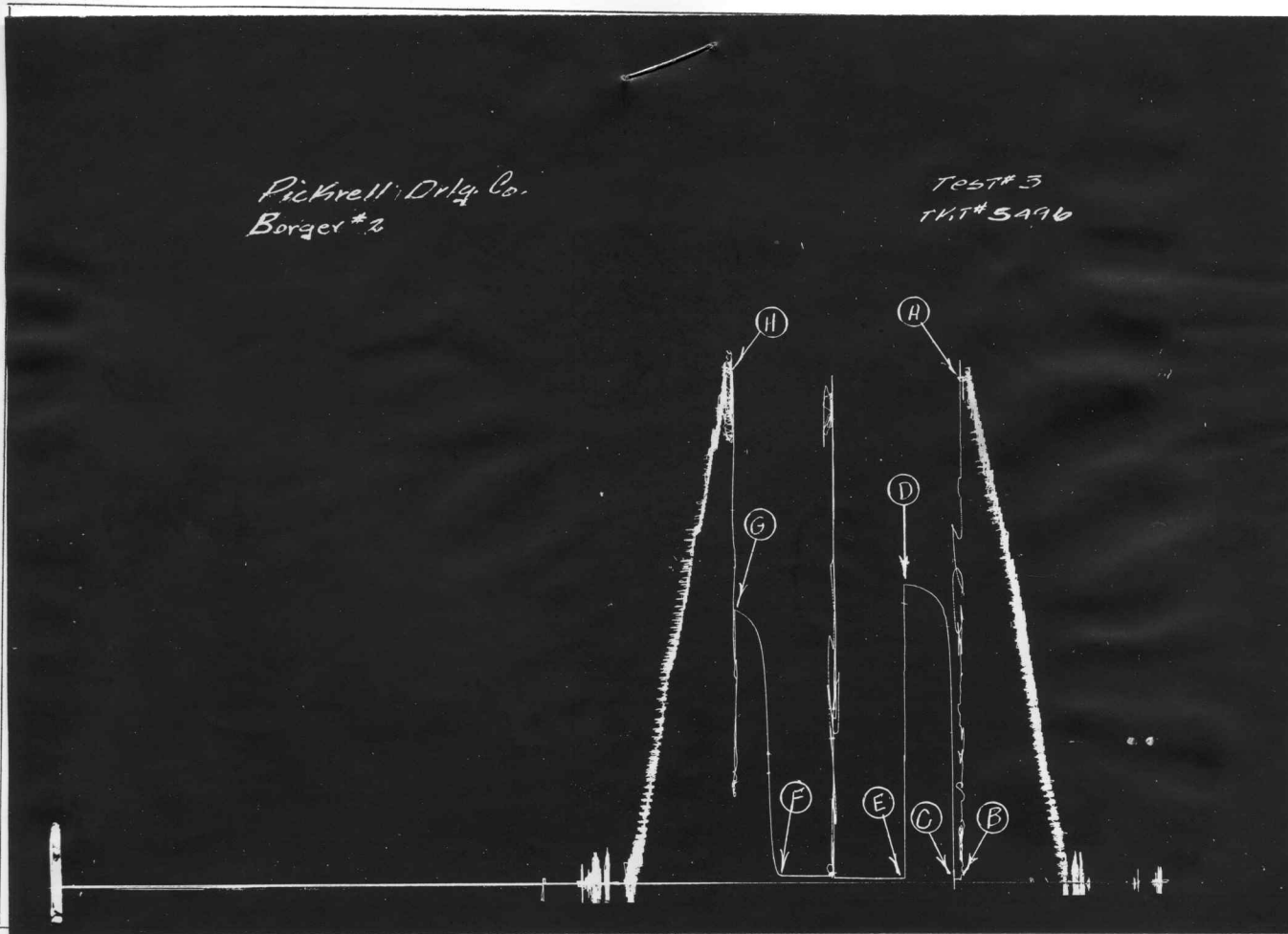
Second Flow Pressure
Breakdown: **15** Inc.
of **5** mins. and a
final inc. of **0** Min.

Final Shut-In
Breakdown: **9** Inc.
of **3** mins. and a
final inc. of **0** Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	10	0	10	0	19	0	32
P 2 5	10	3	1047	5	19	3	129
P 3		6	1236	10	19	6	348
P 4		9	1296	15	19	9	896
P 5		12	1329	20	19	12	1111
P 6		15	1344	25	19	15	1187
P 7		18	1357	30	20	18	1217
P 8		21	1366	35	21	21	1240
P 9		24	1374	40	21	24	1255
P 10		27	1379	45	22	27	1268
P 11		30	1381	50	23		
P 12				55	25		
P 13				60	26		
P 14				65	29		
P 15							
P 16				70	30		
P 17				75	32		
P 18							
P 19							
P 20							

Pickrell Drilling Co.
Borger #2

TEST # 3
TKT # 5496



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2297	PSI
(B) First Initial Flow Pressure	10	PSI
(C) First Final Flow Pressure	10	PSI
(D) Initial Closed-in Pressure	1381	PSI
(E) Second Initial Flow Pressure	19	PSI
(F) Second Final Flow Pressure	32	PSI
(G) Final Closed-in Pressure	1268	PSI
(H) Final Hydrostatic Mud	2273	PSI

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

Company Pickrell Drilling Co. Lease & Well No. Borger #2
Elevation 2230 Derrick Floor; Formation-Miss. Ticket Number 5497
Date Nov. 28, 1964 Sec. 25 Twp. 19 Range 22 County Ness State Kansas
Test Approved by Ralph W. Ruwe Western Representative Jack Toelkes

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 4341' to 4346' Total Depth 4346'

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

Packer Depth 4336 Ft. Size 6 3/4 Packer Depth 4341 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 5 Ft. Size 5 1/2 OD

RECORDERS	Depth <u>4328</u>	Approx. Ft.	Clock No. <u>6892</u>		Depth <u>4344</u>	Ft.	Clock No. <u>142</u>	
	Top Make <u>Amerada</u>	Cap. <u>4382</u>	No. <u>1567</u>	Inside Outside		Bottom Make <u>Western</u>	Cap. <u>3000</u>	No. <u>30</u>
				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				Inside Outside

Time Set Packer. 1:08 P. M

Tool Open I.F.P. From 1:10P M to 1:15P M Hr. 5 Min. From (B) 6 P.S.I. To (C) 8 P.S.I.

Tool Closed I.C.I.P. From 1:15P M. to 1:45P M. Hr. 30 Min. (D) 1319 P.S.I.

Tool Open F.F.P. From 1:45P M. to 3:15P M. 1 Hr. 30 Min. From (E) 12 P.S.I. To (F) 23 P.S.I.

Tool Closed F.C.I.P. From 3:15P M. to 3:45P M. Hr. 30 Min. (G) 1129 P.S.I.

Initial Hydrostatic Pressure (A) 2282 P.S.I. Final Hydrostatic Pressure (H) 2264 P.S.I.

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

BLOW Weak throughout test. Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No Recovery Total Ft. 25' clean oil = 35' oil cut mud

Reversed Out. Yes ~~x~~ No Mud Type starch Viscosity 45 Weight 9.8 Maximum Temp. 115 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Jars: _____ Size _____ Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes _____
Length Drill Pipe 3436 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 880 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 30 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date November 28, 1964

Test Ticket No. 5497

Recorder No. 1567

Capacity 4300

Location 4328 Ft.

Clock No. 6892

Elevation 2230 Derrick Floor

Well Temperature 115 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2282</u>	P.S.I.
B First Initial Flow Pressure	<u>6</u>	P.S.I.
C First Final Flow Pressure	<u>8</u>	P.S.I.
D Initial Closed-in Pressure	<u>1319</u>	P.S.I.
E Second Initial Flow Pressure	<u>12</u>	P.S.I.
F Second Final Flow Pressure	<u>23</u>	P.S.I.
G Final Closed-in Pressure	<u>1129</u>	P.S.I.
H Final Hydrostatic Mud	<u>2264</u>	P.S.I.

Opened Tool

Time Given 1:08 P M

First Flow Pressure

5 Mins. 5 Mins.

Initial Closed-in Pressure

30 Mins. 33 Mins.

Second Flow Pressure

90 Mins. 90 Mins.

Final Closed-in Pressure

30 Mins. 30 Mins.

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

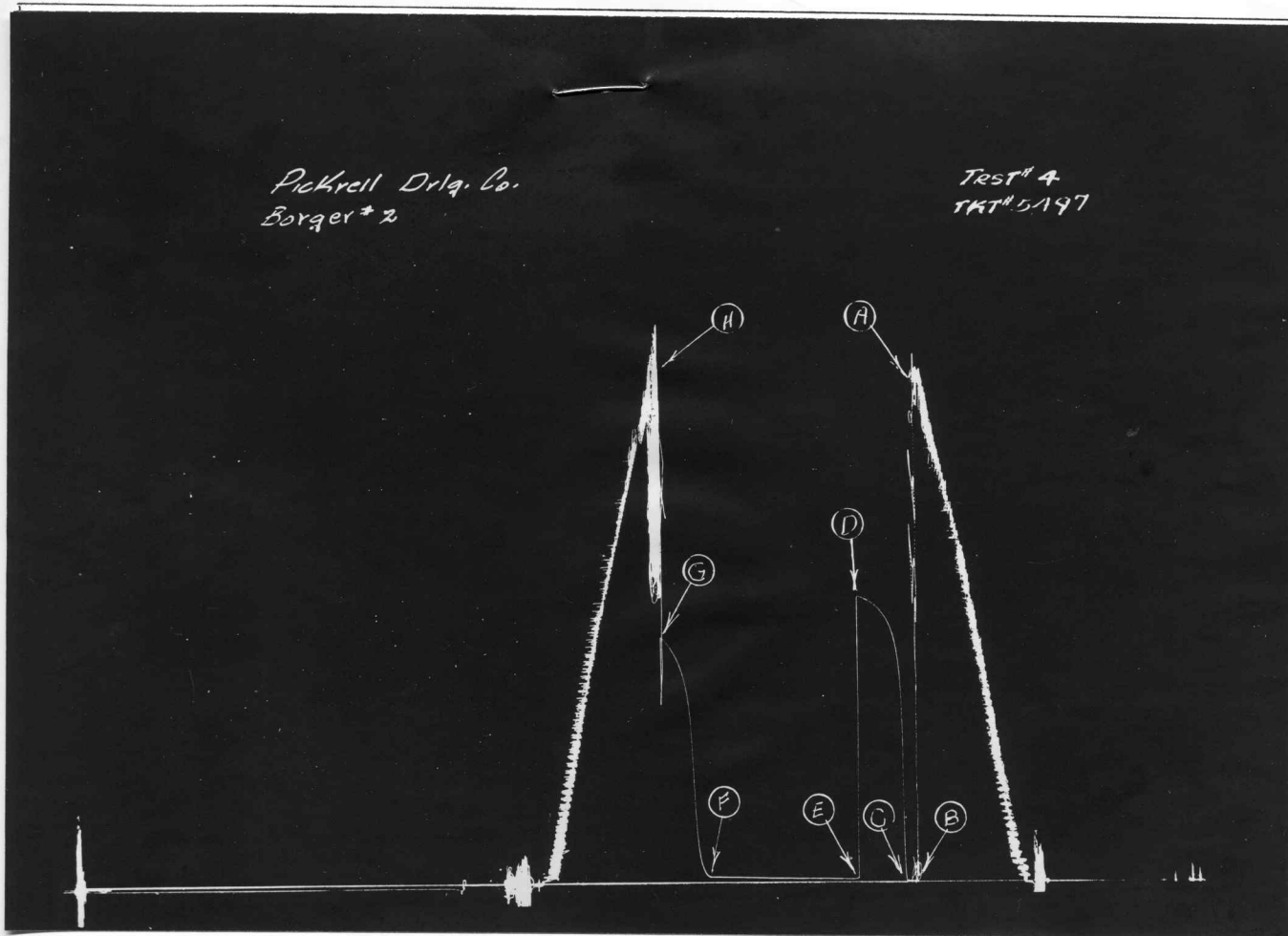
Final Shut-In

Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>6</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>23</u>
P 2 <u>5</u>	<u>8</u>	<u>3</u>	<u>515</u>	<u>5</u>	<u>12</u>	<u>3</u>	<u>51</u>
P 3		<u>6</u>	<u>887</u>	<u>10</u>	<u>13</u>	<u>6</u>	<u>138</u>
P 4		<u>9</u>	<u>1064</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>309</u>
P 5		<u>12</u>	<u>1154</u>	<u>20</u>	<u>15</u>	<u>12</u>	<u>607</u>
P 6		<u>15</u>	<u>1212</u>	<u>25</u>	<u>16</u>	<u>15</u>	<u>822</u>
P 7		<u>18</u>	<u>1247</u>	<u>30</u>	<u>17</u>	<u>18</u>	<u>954</u>
P 8		<u>21</u>	<u>1271</u>	<u>35</u>	<u>17</u>	<u>21</u>	<u>1023</u>
P 9		<u>24</u>	<u>1290</u>	<u>40</u>	<u>18</u>	<u>24</u>	<u>1066</u>
P10		<u>27</u>	<u>1301</u>	<u>45</u>	<u>18</u>	<u>27</u>	<u>1101</u>
P11		<u>30</u>	<u>1312</u>	<u>50</u>	<u>19</u>	<u>30</u>	<u>1129</u>
P12		<u>33</u>	<u>1319</u>	<u>55</u>	<u>19</u>		
P13				<u>60</u>	<u>20</u>		
P14				<u>65</u>	<u>20</u>		
P15				<u>70</u>	<u>21</u>		
P16				<u>75</u>	<u>22</u>		
P17				<u>80</u>	<u>22</u>		
P18				<u>85</u>	<u>23</u>		
P19				<u>90</u>	<u>23</u>		
P20							

Pickrell Drilling Co.
Borger #2

Test # 4
TKT# 5197



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2282	PSI
(B) First Initial Flow Pressure	6	PSI
(C) First Final Flow Pressure	8	PSI
(D) Initial Closed-in Pressure	1319	PSI
(E) Second Initial Flow Pressure	12	PSI
(F) Second Final Flow Pressure	28	PSI
(G) Final Closed-in Pressure	1129	PSI
(H) Final Hydrostatic Mud	2264	PSI