



Home Office: Great Bend, Kansas

P. O. Box 793

Swift 3-7903

Company Pickrell Drilling Company Lease & Well No. Depperschmidt #1
Elevation Unknown Formation Topeka Ticket Number 6232
Date Sept. 6, 1966 Sec. 16 Twp. 16s Range 18w County Rush State Kansas
Test Approved by Gordon W. Keen Western Representative Guy M. Knipe

Formation Test No. 1 O.K. ☒ Misrun Interval Tested From 2944' to 3005' Total Depth 3005'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. ☒ Damaged Yes No Conv. ☒ B.T. Damaged Yes No
Packer Depth 2939 Ft. Size 6 3/4 Packer Depth 2944 Ft. Size 6 3/4
Straddle Yes ☒ No Conv. B.T. Damaged Yes No

Packer Depth Ft. Size 6 3/4 OD 5 1/2 OD
Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 61 Ft. Size 31' DC 30' Perf.
RECORDERS Depth 2965 Ft. Clock No. 6806 Depth 2968 Ft. Clock No. 8476
Top Make Kuster Cap. 3150 No. 1562 Inside Outside Bottom Make Kuster Cap. 3150 No. 1564 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 6:20 A M
Tool Open I.F.P. From 6:21 M to 6:31 M Hr. 10 Min. From (B) 47 P.S.I. To (C) 52 P.S.I.
Tool Closed I.C.I.P. From 6:31 to 7:02 M Hr. 31 Min. (D) 1020 P.S.I.
Tool Open F.F.P. From 7:02 A M. to 8:02 M. 1 Hr. Min. From (E) 70 P.S.I. To (F) 145 P.S.I.
Tool Closed F.C.I.P. From 8:02 A M. to 8:32 M. Hr. 30 Min. (G) 945 P.S.I.
Initial Hydrostatic Pressure (A) 1591 P.S.I. Final Hydrostatic Pressure (H) 1584 P.S.I.

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

BLOW Fair 3" blow throughout flow period Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No Recovery Total Ft. 335' thin watery mud

Mud
Reversed Out Yes ☒ No Mud Type starch Viscosity 37 Weight 10.2 Maximum Temp. 107 °F

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

Type Circ. Sub. plug Did Tool Plug? _____ Where? _____ Did Packer Hold? yes

Length Drill Pipe 1965 I.D. Drill Pipe 3.8 in Length Weight Pipe 950 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 80 ft. including 31' D.C. in anchor.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date **September 6, 1966**

Test Ticket No. **6232**

Recorder No. **1562**

Capacity **3150**

Location **2965** Ft.

Clock No. **6806**

Elevation **Unknown**

Well Temperature **107** °F

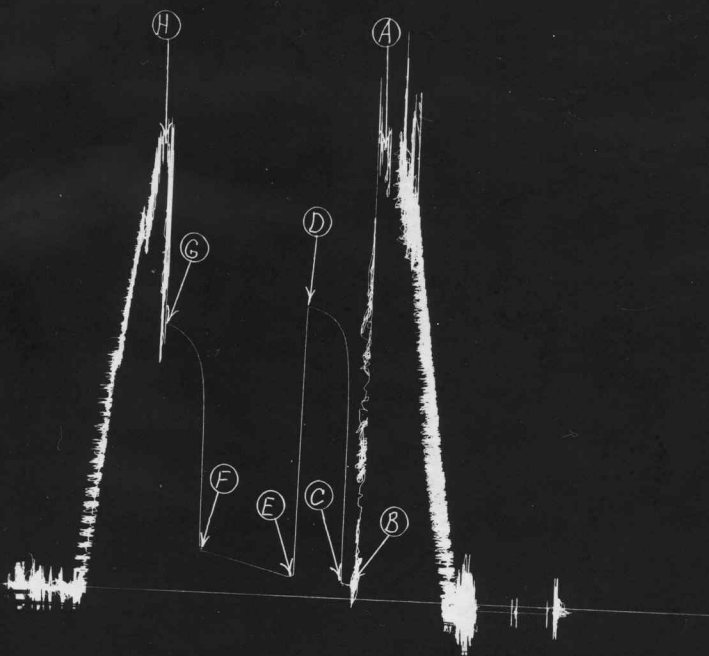
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1591 P.S.I.	Opened Tool	6:20 A M	
B First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	10 Mins.	9 Mins.
C First Final Flow Pressure	53 P.S.I.	Initial Closed-in Pressure	30 Mins.	29 Mins.
D Initial Closed-in Pressure	1020 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	70 P.S.I.	Final Closed-in Pressure	30 Mins.	29 Mins.
F Second Final Flow Pressure	145 P.S.I.			
G Final Closed-in Pressure	945 P.S.I.			
H Final Hydrostatic Mud	1584 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 1 Inc.		Breakdown: 9 Inc.		Breakdown: 12 Inc.		Breakdown: 9 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 4 Min.		final inc. of 4 Min.		final inc. of 4 Min.		final inc. of 4 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	47	0	53	0	70	0	145
P 2 5	48	3	809	5	70	3	656
P 3 9	53	6	923	10	77	6	812
P 4		9	956	15	86	9	854
P 5		12	981	20	94	12	881
P 6		15	995	25	102	15	900
P 7		18	1003	30	109	18	917
P 8		21	1009	35	115	21	926
P 9		24	1015	40	120	24	932
P10		27	1018	45	128	27	938
P11		29	1020	50	136	29	945
P12				55	142		
P13				60	145		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell DrLg. Co.
Depperschmidt #1

TKT. # 623
Test # 1



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	1591	PSI
(B) First Initial Flow Pressure	47	PSI
(C) First Final Flow Pressure	53	PSI
(D) Initial Closed-in Pressure	1020	PSI
(E) Second Initial Flow Pressure	70	PSI
(F) Second Final Flow Pressure	145	PSI
(G) Final Closed-in Pressure	945	PSI
(H) Final Hydrostatic Mud	1584	PSI



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

Company Pickrell Drilling Company Lease & Well No. Depperschmidt #1
Elevation 1987 Kelly Bushings Formation Kansas City Ticket Number 6274
Date Sept. 7, 1966 Sec. 16 Twp. 16s Range 18w County Rush State Kansas
Test Approved by Gordon W. Keen Western Representative W. M. Nething'

Formation Test No. 2 O.K. ☒ Misrun Interval Tested From 3307' to 3325' Total Depth 3325'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 3307 Ft. Size 6 3/4 Packer Depth 3302 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 3315 Ft. Clock No. 6800 Depth 3318 Ft. Clock No. 4964
Top Make Amerada Cap. 4150 No. 2604 Inside Outside Bottom Make Amerada Cap. 4250 No. 1051 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 7:04 P M
Tool Open I.F.P. From 7:07 P to 7:17 M Hr. 10 Min. From (B) 36 P.S.I. To (C) 68 P.S.I.
Tool Closed I.C.I.P. From 7:17 M to 7:47 M Hr. 30 Min. (D) 1081 P.S.I.
Tool Open F.F.P. From 7:47 M to 9:47 M Hr. 120 Min. From (E) 110 P.S.I. To (F) 437 P.S.I.
Tool Closed F.C.I.P. From 9:47 M to 10:47 M Hr. 60 Min. (G) 949 P.S.I.
Initial Hydrostatic Pressure (A) 1791 P.S.I. Final Hydrostatic Pressure (H) 1775 P.S.I.

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

BLOW Good blow decreasing to weak blow. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 930' salt water.

Mud
Reversed Out Yes No Mud Type starch Viscosity 40 Weight 10 Maximum Temp. 109 °F
EXTRA EQUIPMENT: Dual Packers dual Safety Joint no Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 2221 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1066 ft. I.D. Weight Pipe 2.7 in Length Drill Collars ft.
I. D. Drill Collars in Length D.S.T. Tool 38 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date September 7, 1966 Test Ticket No. 6274

Recorder No. 2604 Capacity 4150 Location 3315 Ft.

Clock No. 6800 Elevation 1987 Kelly Bushings Well Temperature 109 °F

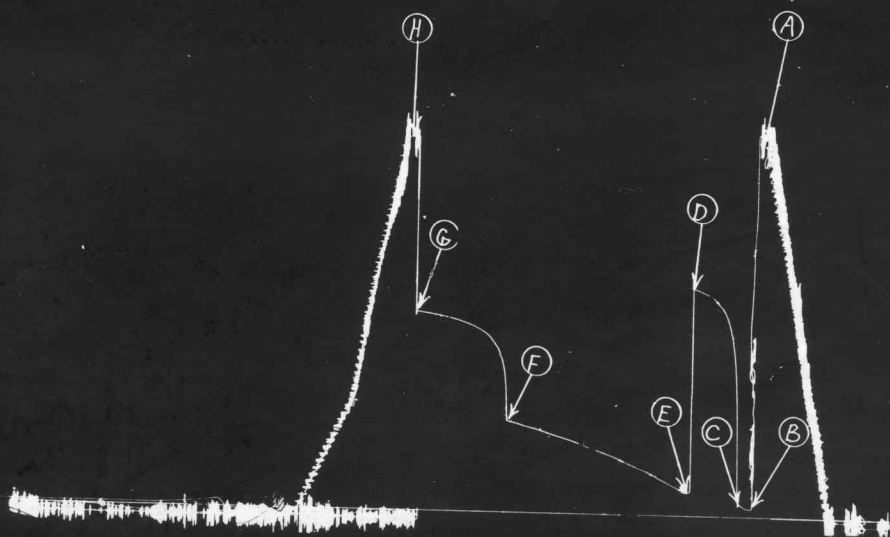
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1791</u> P.S.I.	Opened Tool	<u>7:04 P</u> M.	
B First Initial Flow Pressure	<u>36</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>9</u> Mins.
C First Final Flow Pressure	<u>68</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>32</u> Mins.
D Initial Closed-in Pressure	<u>1081</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>119</u> Mins.
E Second Initial Flow Pressure	<u>110</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>437</u> P.S.I.			
G Final Closed-in Pressure	<u>949</u> P.S.I.			
H Final Hydrostatic Mud	<u>1775</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>10</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>20</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>4</u> Min.		final inc. of <u>2</u> Min.		final inc. of <u>4</u> Min.		final inc. of <u>4</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>36</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>110</u>	<u>0</u>	<u>437</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>444</u>	<u>5</u>	<u>117</u>	<u>3</u>	<u>667</u>
P 3 <u>9</u>	<u>68</u>	<u>6</u>	<u>757</u>	<u>10</u>	<u>134</u>	<u>6</u>	<u>752</u>
P 4		<u>9</u>	<u>874</u>	<u>15</u>	<u>153</u>	<u>9</u>	<u>803</u>
P 5		<u>12</u>	<u>945</u>	<u>20</u>	<u>172</u>	<u>12</u>	<u>834</u>
P 6		<u>15</u>	<u>987</u>	<u>25</u>	<u>191</u>	<u>15</u>	<u>853</u>
P 7		<u>18</u>	<u>1014</u>	<u>30</u>	<u>212</u>	<u>18</u>	<u>865</u>
P 8		<u>21</u>	<u>1035</u>	<u>35</u>	<u>226</u>	<u>21</u>	<u>878</u>
P 9		<u>24</u>	<u>1051</u>	<u>40</u>	<u>244</u>	<u>24</u>	<u>888</u>
P10		<u>27</u>	<u>1062</u>	<u>45</u>	<u>260</u>	<u>27</u>	<u>899</u>
P11		<u>30</u>	<u>1070</u>	<u>50</u>	<u>277</u>	<u>30</u>	<u>906</u>
P12		<u>32</u>	<u>1081</u>	<u>55</u>	<u>290</u>	<u>33</u>	<u>913</u>
P13				<u>60</u>	<u>303</u>	<u>36</u>	<u>920</u>
P14				<u>65</u>	<u>316</u>	<u>39</u>	<u>924</u>
P15				<u>70</u>	<u>333</u>	<u>42</u>	<u>928</u>
P16				<u>75</u>	<u>344</u>	<u>45</u>	<u>932</u>
P17				<u>80</u>	<u>358</u>	<u>48</u>	<u>937</u>
P18				<u>85</u>	<u>367</u>	<u>51</u>	<u>940</u>
P19				<u>90</u>	<u>380</u>	<u>54</u>	<u>943</u>
P20				<u>95</u>	<u>393</u>	<u>57</u>	<u>947</u>
				<u>100</u>	<u>403</u>	<u>60</u>	<u>949</u>
				<u>105</u>	<u>413</u>		
				<u>110</u>	<u>425</u>		
				<u>115</u>	<u>433</u>		
				<u>119</u>	<u>437</u>		

Pickrell DrLg. Co.
Depperschmidt #1

T.K.T.# 6274
Test# 2



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	1791	PSI
(B) First Initial Flow Pressure	36	PSI
(C) First Final Flow Pressure	68	PSI
(D) Initial Closed-in Pressure	1081	PSI
(E) Second Initial Flow Pressure	110	PSI
(F) Second Final Flow Pressure	437	PSI
(G) Final Closed-in Pressure	949	PSI
(H) Final Hydrostatic Mud	1775	PSI



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

Company Pickrell Drilling Company Lease & Well No. Depperschmidt #1
Elevation 1987 Kelly Bushings Formation Kansas City Ticket Number 6275
Date Sept. 9, 1966 Sec. 16 Twp. 16s Range 18w County Rush State Kansas
Test Approved by Gordon W. Keen Western Representative W. M. Nething

Formation Test No. 3 O.K. ☒ Misrun Interval Tested From 3462' to 3480' Total Depth 3480'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 3462 Ft. Size 6 3/4 Packer Depth 3457 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 3470 Ft. Clock No. 6800 Depth 3473 Ft. Clock No. 4964
Top Make Amerada Cap. 4150 No. 2604 Inside Outside Bottom Make Amerada Cap. 4250 No. 1051 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 2:17 A M
Tool Open I.F.P. From 2:20 M to 2:25 M Hr. 5 Min. From (B) 17 P.S.I. To (C) 17 P.S.I.
Tool Closed I.C.I.P. From 2:25 M. to 2:55 M. Hr. 30 Min. (D) 18 P.S.I.
Tool Open F.F.P. From 2:55A M. to 3:40 M. Hr. 45 Min. From (E) 17 P.S.I. To (F) 17 P.S.I.
Tool Closed F.C.I.P. From 3:40 M. to 4:40 M. Hr. 60 Min. (G) 17 P.S.I.
Initial Hydrostatic Pressure (A) 1897 P.S.I. Final Hydrostatic Pressure (H) 1880 P.S.I.

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

BLOW Weak blow 3 minutes. Flushed tool. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 5' mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 42 Weight 10.2 Maximum Temp. 106 °F

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

Type Circ. Sub. plug Did Tool Plug? Where? Did Packer Hold? yes

Length Drill Pipe 2376 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1066 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 38 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date September 9, 1966

Recorder No. 2604

Capacity 4150

Test Ticket No. 6275

Clock No. 6800

Elevation 1987 Kelly Bushings

Location 3470 Ft.

Well Temperature 106 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>1897</u>	P.S.I.
B First Initial Flow Pressure	<u>17</u>	P.S.I.
C First Final Flow Pressure	<u>17</u>	P.S.I.
D Initial Closed-in Pressure	<u>18</u>	P.S.I.
E Second Initial Flow Pressure	<u>17</u>	P.S.I.
F Second Final Flow Pressure	<u>17</u>	P.S.I.
G Final Closed-in Pressure	<u>17</u>	P.S.I.
H Final Hydrostatic Mud	<u>1880</u>	P.S.I.

Opened Tool

Time Given

2:17 M

Time Computed

First Flow Pressure

5 Mins. 5 Mins.

Initial Closed-in Pressure

30 Mins. 31 Mins.

Second Flow Pressure

45 Mins. 45 Mins.

Final Closed-in Pressure

60 Mins. 60 Mins.

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 1 Min.

Second Flow Pressure

Breakdown: 9 Inc.
of 5 mins. and a
final inc. of = Min.

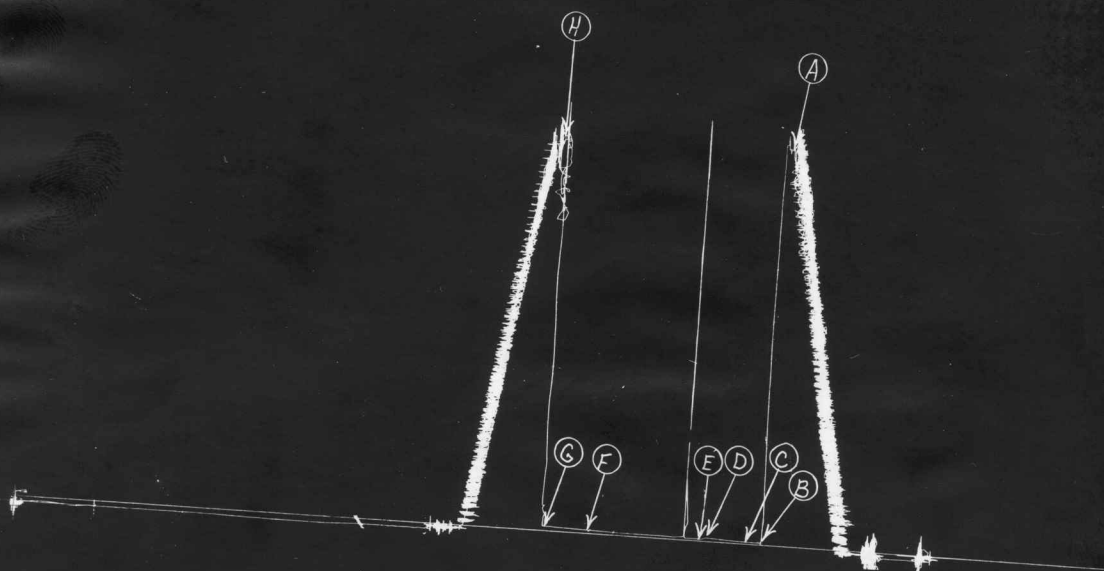
Final Shut-In

Breakdown: 20 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>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>17</u>	<u>5</u>	<u>17</u>	<u>3</u>	<u>17</u>
P 3		<u>6</u>	<u>17</u>	<u>10</u>	<u>17</u>	<u>6</u>	<u>17</u>
P 4		<u>9</u>	<u>17</u>	<u>15</u>	<u>17</u>	<u>9</u>	<u>17</u>
P 5		<u>12</u>	<u>17</u>	<u>20</u>	<u>17</u>	<u>12</u>	<u>17</u>
P 6		<u>15</u>	<u>17</u>	<u>25</u>	<u>17</u>	<u>15</u>	<u>17</u>
P 7		<u>18</u>	<u>17</u>	<u>30</u>	<u>17</u>	<u>18</u>	<u>17</u>
P 8		<u>21</u>	<u>18</u>	<u>35</u>	<u>17</u>	<u>21</u>	<u>17</u>
P 9		<u>24</u>	<u>18</u>	<u>40</u>	<u>17</u>	<u>24</u>	<u>17</u>
P10		<u>27</u>	<u>18</u>	<u>45</u>	<u>17</u>	<u>27</u>	<u>17</u>
P11		<u>31</u>	<u>18</u>			<u>30</u>	<u>17</u>
P12						<u>33</u>	<u>17</u>
P13						<u>36</u>	<u>17</u>
P14						<u>39</u>	<u>17</u>
P15						<u>42</u>	<u>17</u>
P16						<u>45</u>	<u>17</u>
P17						<u>48</u>	<u>17</u>
P18						<u>51</u>	<u>17</u>
P19						<u>54</u>	<u>17</u>
P20						<u>57</u>	<u>17</u>
						<u>60</u>	<u>17</u>

Pickrell DrLg. Co.
Depperschmidt #1

T.K.T. # 6275
Test # 3



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	1897	PSI
(B) First Initial Flow Pressure	17	PSI
(C) First Final Flow Pressure	17	PSI
(D) Initial Closed-in Pressure	18	PSI
(E) Second Initial Flow Pressure	17	PSI
(F) Second Final Flow Pressure	17	PSI
(G) Final Closed-in Pressure	17	PSI
(H) Final Hydrostatic Mud	1880	PSI



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

Company Pickrell Drilling Company Lease & Well No. Depperschmidt #1
Elevation 1987 Kelly Bushings Formation Reagan Ticket Number 6276
Date Sept. 9, 1966 Sec. 16 Twp. 16s Range 18w County Rush State Kansas
Test Approved by Gordon W. Keen Western Representative W. M. Nething

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 3502' to 3550' Total Depth 3550'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Packer Depth 3502 Ft. Size 6 3/4 Packer Depth 3497 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 48 Ft. Size 5 1/2 OD
RECORDERS Depth 3512 Ft. Clock No. 6800 Depth 3515 Ft. Clock No. 4964
Top Make Amerada Cap. 4150 No. 260 Inside ☐ Outside ☒ Bottom Make Amerada Cap. 4250 No. 1051 Inside ☐ Outside ☒
Below Straddle: Depth ☐ Clock No. ☐ Inside ☐ Outside ☐
Top Make ☐ Cap. ☐ No. ☐ Inside ☐ Outside ☐ Bottom Make ☐ Cap. ☐ No. ☐ Inside ☐ Outside ☐

Time Set Packer 6:26 P M
Tool Open I.F.P. From 6:29 M to 6:39 M Hr. 10 Min. From (B) 19 P.S.I. To (C) 19 P.S.I.
Tool Closed I.C.I.P. From 6:39 M. to 7:09 M. Hr. 30 Min. (D) 118 P.S.I.
Tool Open F.F.P. From 7:09 M. to 7:54 M. Hr. 45 Min. From (E) 19 P.S.I. To (F) 25 P.S.I.
Tool Closed F.C.I.P. From 7:54 M. to 8:54 M. Hr. 60 Min. (G) 60 P.S.I.
Initial Hydrostatic Pressure (A) 1971 P.S.I. Final Hydrostatic Pressure (H) 1948 P.S.I.

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

BLOW Weak blow six minutes. Flushed tool. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 10' mud

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 43 Weight 10.1 Maximum Temp. 106 °F

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

Type Circ. Sub. plug Did Tool Plug? no Where? ☐ Did Packer Hold? yes

Length Drill Pipe 2416 I.D. Drill Pipe 3.8 in Length Weight Pipe 1066 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ☐ ft.

I. D. Drill Collars ☐ in. Length D.S.T. Tool 68 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date September 9, 1966 Test Ticket No. 6276
 Recorder No. 2604 Capacity 4150 Location 3512 Ft.
 Clock No. 6800 Elevation 1987 Kelly Bushings Well Temperature 106 °F

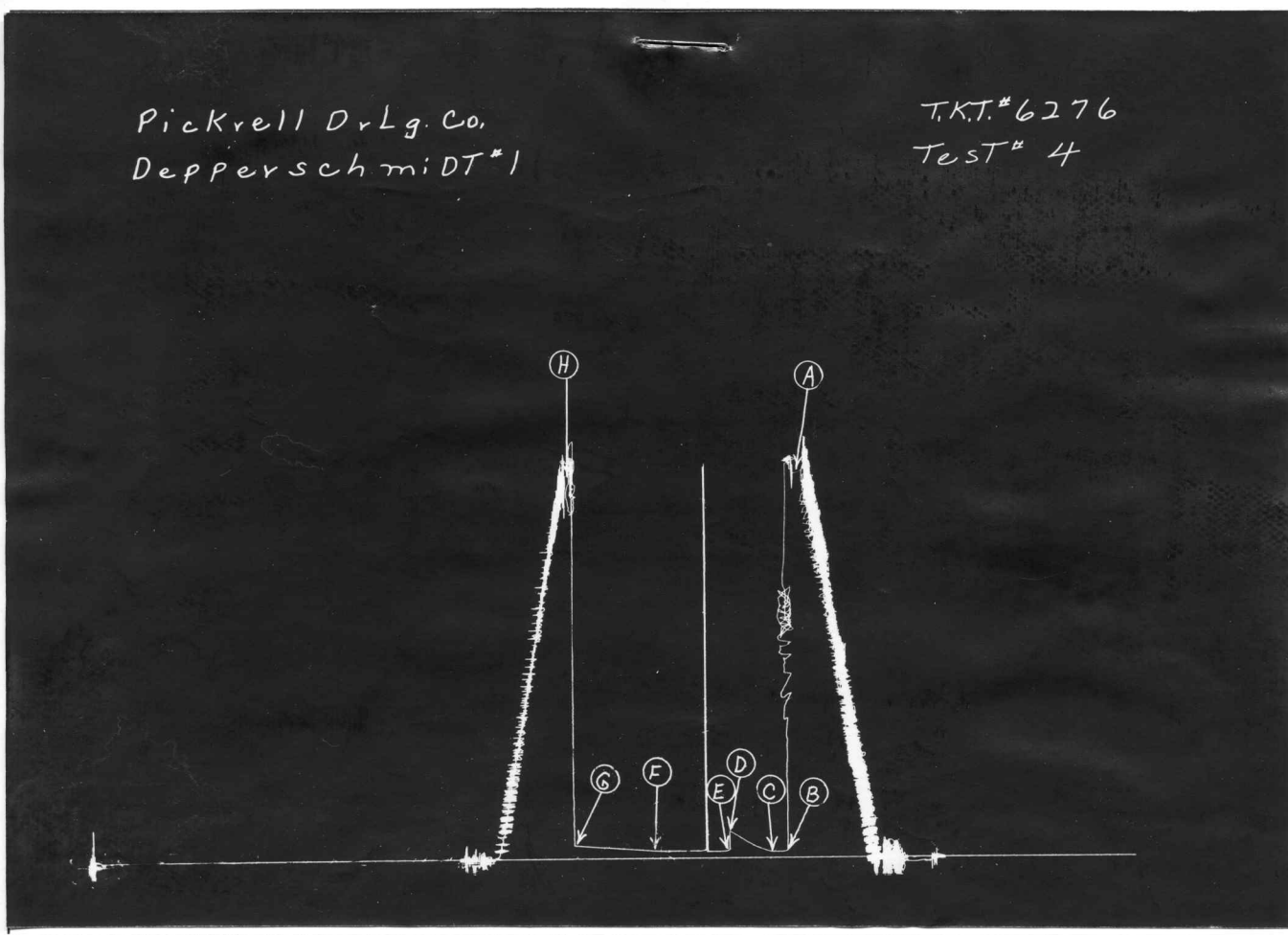
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1971	P.S.I.	6:26 P	M
B First Initial Flow Pressure	19	P.S.I.	10	Mins. 10 Mins.
C First Final Flow Pressure	19	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	118	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	19	P.S.I.	60	Mins. 61 Mins.
F Second Final Flow Pressure	25	P.S.I.		
G Final Closed-in Pressure	60	P.S.I.		
H Final Hydrostatic Mud	1948	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>20</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>1</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>19</u>	<u>0</u>	<u>19</u>	<u>0</u>	<u>19</u>	<u>0</u>	<u>25</u>
P 2 <u>5</u>	<u>19</u>	<u>3</u>	<u>19</u>	<u>5</u>	<u>19</u>	<u>3</u>	<u>25</u>
P 3 <u>10</u>	<u>19</u>	<u>6</u>	<u>19</u>	<u>10</u>	<u>19</u>	<u>6</u>	<u>25</u>
P 4		<u>9</u>	<u>23</u>	<u>15</u>	<u>19</u>	<u>9</u>	<u>25</u>
P 5		<u>12</u>	<u>31</u>	<u>20</u>	<u>25</u>	<u>12</u>	<u>25</u>
P 6		<u>15</u>	<u>42</u>	<u>25</u>	<u>25</u>	<u>15</u>	<u>25</u>
P 7		<u>18</u>	<u>57</u>	<u>30</u>	<u>25</u>	<u>18</u>	<u>25</u>
P 8		<u>21</u>	<u>72</u>	<u>35</u>	<u>25</u>	<u>21</u>	<u>25</u>
P 9		<u>24</u>	<u>86</u>	<u>40</u>	<u>25</u>	<u>24</u>	<u>25</u>
P10		<u>27</u>	<u>99</u>	<u>45</u>	<u>25</u>	<u>27</u>	<u>25</u>
P11		<u>30</u>	<u>118</u>			<u>30</u>	<u>26</u>
P12						<u>33</u>	<u>26</u>
P13						<u>36</u>	<u>27</u>
P14						<u>39</u>	<u>27</u>
P15						<u>42</u>	<u>31</u>
P16						<u>45</u>	<u>36</u>
P17						<u>48</u>	<u>41</u>
P18						<u>51</u>	<u>47</u>
P19						<u>54</u>	<u>51</u>
P20						<u>57</u>	<u>57</u>
						<u>60</u>	<u>59</u>
						<u>61</u>	<u>60</u>

Pickrell DrLg. Co.
Depperschmidt #1

T.K.T. #6276
Test # 4



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	1971	PSI
(B) First Initial Flow Pressure	19	PSI
(C) First Final Flow Pressure	19	PSI
(D) Initial Closed-in Pressure	118	PSI
(E) Second Initial Flow Pressure	19	PSI
(F) Second Final Flow Pressure	25	PSI
(G) Final Closed-in Pressure	60	PSI
(H) Final Hydrostatic Mud	1948	PSI



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

Company Pickrell Drilling Company Lease & Well No. Depperschmidt #1
Elevation 1987 Kelly Bushings Formation REagan Ticket Number 6277
Date Sept. 10, 1966 Sec. 16 Twp. 16S Range 18W County Rush State Kansas
Test Approved by Gordon W. Keen Western Representative W. M. Nething

Formation Test No. 5 O.K. ☒ Misrun Interval Tested From 3502' 3560' Total Depth 3560'
Size Main Hole 7-7/8 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 3502 Ft. Size 6 3/4 Packer Depth 3497 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 58 Ft. Size 5 1/2 OD - 4 1/2 DP

RECORDERS	Depth <u>3510</u> Ft.	Clock No. <u>6800</u>	Depth <u>3513</u> Ft.	Clock No. <u>4964</u>
Top Make <u>Amerada</u> Cap. <u>4150</u> No. <u>2604</u>	Inside <u>Outside</u>	Bottom Make <u>Amerada</u> Cap. <u>4250</u> No. <u>1051</u>	Inside <u>Outside</u>	
Below Straddle: Depth	Clock No.	Depth	Ft.	Clock No.
Top Make	Cap.	Bottom Make	Cap.	No.
	No.		No.	
	Inside		Inside	
	Outside		Outside	

Time Set Packer 7:00 P M

Tool Open I.F.P. From 7:04 M to 7:12 M Hr. 8 Min. From (B) 102 P.S.I. To (C) 156 P.S.I.
Tool Closed I.C.I.P. From 7:12 P M. to 7:42 M. Hr. 30 Min. (D) 869 P.S.I.
Tool Open F.F.P. From 7:42 M. to 9:42 P M. Hr. 120 Min. From (E) 238 P.S.I. To (F) 520 P.S.I.
Tool Closed F.C.I.P. From 9:42 P M. to 10:42 M. Hr. 60 Min. (G) 723 P.S.I.
Initial Hydrostatic Pressure (A) 1951 P.S.I. Final Hydrostatic Pressure (H) 1928 P.S.I.

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

BLOW Good blow 20 minutes; decreasing to weak blow in one hour SEE REMARKS Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 1030' muddy salt water.

Mud
Reversed Out Yes No Mud Type starch Viscosity 61 Weight 10.4 Maximum Temp. 110 °F

EXTRA EQUIPMENT: Dual Packers dual Safety Joint no Jars: Size 3 1/2 FH Make Bowen Ser. No. 2638

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2291 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1066 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 119 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 84 ft.

Remarks WEak blow for one hour.

WESTERN TESTING CO., INC. Pressure Data

Date **September 10, 1966**

Recorder No. **2604** Capacity **4150** Test Ticket No. **6277**

Clock No. **6800** Elevation **1987 Kelly Bushings** Location **3510** Ft.

Well Temperature **110** °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1951 P.S.I.	Opened Tool	7:00 P M	
B First Initial Flow Pressure	102 P.S.I.	First Flow Pressure	8 Mins.	8 Mins.
C First Final Flow Pressure	156 P.S.I.	Initial Closed-in Pressure	30 Mins.	31 Mins.
D Initial Closed-in Pressure	869 P.S.I.	Second Flow Pressure	120 Mins.	120 Mins.
E Second Initial Flow Pressure	238 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	520 P.S.I.			
G Final Closed-in Pressure	723 P.S.I.			
H Final Hydrostatic Mud	1928 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: **1** Inc.
of **5** mins. and a
final inc. of **3** Min.

Initial Shut-In

Breakdown: **10** Inc.
of **3** mins. and a
final inc. of **1** Min.

Second Flow Pressure

Breakdown: **24** Inc.
of **5** mins. and a
final inc. of **=** Min.

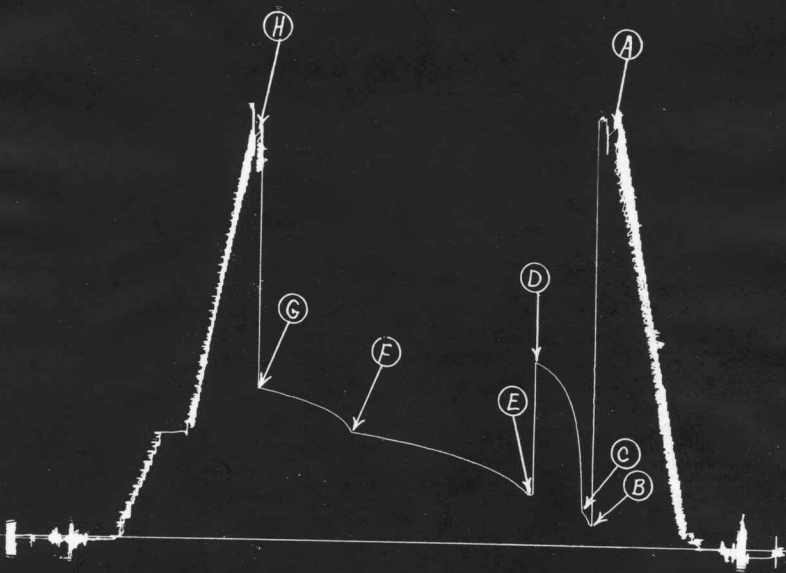
Final Shut-In

Breakdown: **20** Inc.
of **3** mins. and a
final inc. of **=** Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	102	0	156	0	238	0	520
P 2 5	149	3	446	5	256	3	554
P 3 8	156	6	591	10	286	6	579
P 4		9	663	15	311	9	596
P 5		12	729	20	333	12	607
P 6		15	763	25	352	15	621
P 7		18	794	30	367	18	631
P 8		21	817	35	384	21	638
P 9		24	836	40	395	24	647
P10		27	851	45	405	27	656
P11		30	863	50	418	30	665
P12		31	869	55	430	33	673
P13				60	440	36	679
P14				65	448	39	683
P15				70	457	42	689
P16				75	467	45	696
P17				80	477	48	702
P18				85	482	51	710
P19				90	487	54	714
P20				95	491	57	719
				100	504	60	723
				105	508		
				110	513		
				115	517		
				120	520		

Pickrell DrLg Co.
Depperschmidt #1

T.K.T.# 6277
Test # 5



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1951 PSI
(B) First Initial Flow Pressure	102 PSI
(C) First Final Flow Pressure	156 PSI
(D) Initial Closed-in Pressure	869 PSI
(E) Second Initial Flow Pressure	238 PSI
(F) Second Final Flow Pressure	520 PSI
(G) Final Closed-in Pressure	723 PSI
(H) Final Hydrostatic Mud	1928 PSI