



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drig. Co. Lease & Well No. Scheuerman A#1
Elevation 2140 Kelly Bushing Formation Pawnee Effective Pay 0 Ft. Ticket No. 10422
Date 1-19-68 Sec. 34 Twp. 18 Range 20 County Rush State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Dean Blagrave

Formation Test No. 1 O.K. Misrun Interval Tested From 4080' to 4115' Total Depth 4115'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4075 Ft. Size 6 3/4" Packer Depth 4080 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 35 Ft. Size 5 1/2"OD

RECORDERS Depth 4106 Ft. Clock No. 8425 Depth 4109 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 12:25 P. M
Tool Open I.F.P. From 12:28 M. to 12:38 P M. Hr. 10 Min. From (B) 56 P.S.I. To (C) 56 P.S.I.
Tool Closed I.C.I.P. From 12:38 M. to 1:08 P M. Hr. 30 Min. (D) 65 P.S.I.
Tool Open F.F.P. From 1:08 M. to 1:48 P M. Hr. 40 Min. From (E) 58 P.S.I. To (F) 60 P.S.I.
Tool Closed F.C.I.P. From 1:48 M. to 2:18 P M. Hr. 30 Min. (G) 64 P.S.I.
Initial Hydrostatic Pressure (A) 2209 P.S.I. Final Hydrostatic Pressure (H) 2200 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

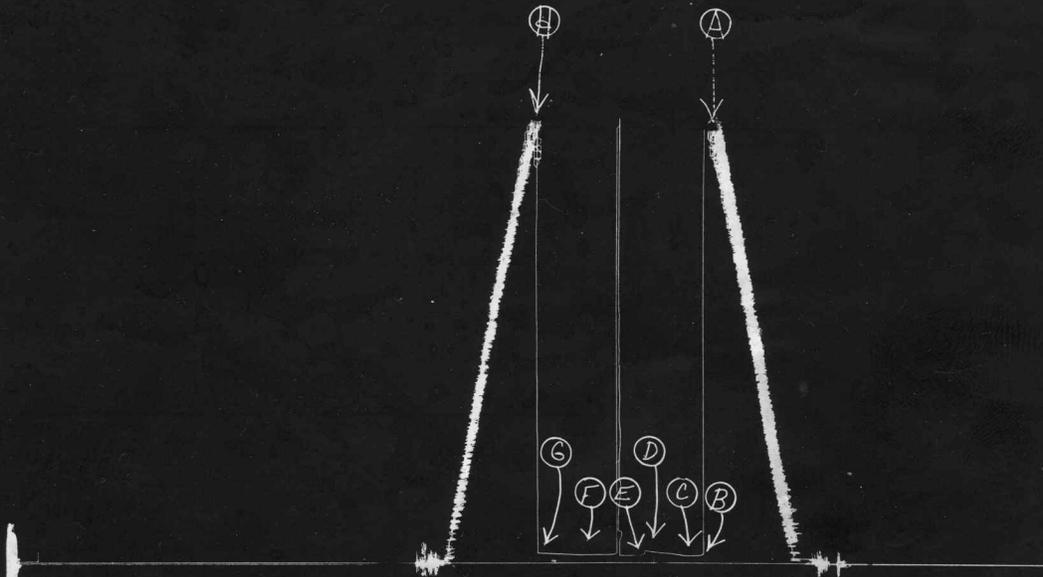
BLOW Weak for 10 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. Five feet mud.

Reversed Out Yes No Mud Type starch Viscosity 46 Weight 10.1 Water Loss 8.4 cc. Maximum Temp. 112 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make Ser. No.
EXTRA EQUIPMENT: Dual Packer yes Safety Joint no Did Packer Hold? yes Where?
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in. Length Weight Pipe 992 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 53 ft.

Remarks Flushed at 20 minutes.

Pickrell Drlg Co
Scheuerman #A-1

TKT-10422
Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2198	2209	PSI
(B) First Initial Flow Pressure	52	56	PSI
(C) First Final Flow Pressure	52	56	PSI
(D) Initial Closed-in Pressure	62	65	PSI
(E) Second Initial Flow Pressure	52	58	PSI
(F) Second Final Flow Pressure	52	60	PSI
(G) Final Closed-in Pressure	62	64	PSI
(H) Final Hydrostatic Mud	2198	2200	PSI



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Company Pickrell Drlg. Co. Lease & Well No. Scheuerman A#1
Elevation 2140 Kelly Bushing Formation Pawnee Effective Pay 5 Ft. Ticket No. 10423
Date 1-19-68 Sec. 34 Twp. 18s Range 20w County Rush State Kansas
Test Approved by Ralph W. Ruwe Western Representative Dean Blagrave

Formation Test No. 2 O.K. Misrun Interval Tested From 4114' to 4127' Total Depth 4127'
Size Main Hole 7 7/8" Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4109 Ft. Size 6 3/4" Packer Depth 4114 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 13 Ft. Size 5 1/2"OD

RECORDERS Depth 4119 Ft. Clock No. 8475 Depth 4122 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside Outside
Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside

Time Set Packer 11:30 P. M
Tool Open I.F.P. From 11:32 M. to 11:37 P. M. Hr. 5 Min. From (B) 52 P.S.I. To (C) 58 P.S.I.
Tool Closed I.C.I.P. From 11:37 M. to 12:07 A. M. Hr. 30 Min. (D) 1041 P.S.I.
Tool Open F.F.P. From 12:07 M. to 1:07 A. M. Hr. 1 Min. From (E) 72 P.S.I. To (F) 200 P.S.I.
Tool Closed F.C.I.P. From 1:07 M. to 1:37 A. M. Hr. 30 Min. (G) 1012 P.S.I.
Initial Hydrostatic Pressure (A) 2209 P.S.I. Final Hydrostatic Pressure (H) 2203 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Strong throughout. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 480 feet total: 390 feet clean oil; 30 feet muddy oil; 60 feet oil cut mud; 480feet Gas in pipe.

Reversed Out Yes No Mud Type starch Viscosity 53 Weight 10.8 Water Loss 8.4 cc. Maximum Temp. 112 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 992 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 31 ft.

Remarks 38° Gravity corrected.

WESTERN TESTING CO., INC.
Pressure Data

Date 1-19-68

Test Ticket No. 10423

Recorder No. 2606

Capacity 4150 Location 4119 Ft.

Clock No. 8475

Elevation 2140 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2209</u>	P.S.I.	<u>11:30 P.</u>	
B First Initial Flow Pressure	<u>52</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>58</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1041</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>72</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>200</u>	P.S.I.		
G Final Closed-in Pressure	<u>1012</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2203</u>	P.S.I.		

PRESSURE BREAKDOWN

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

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

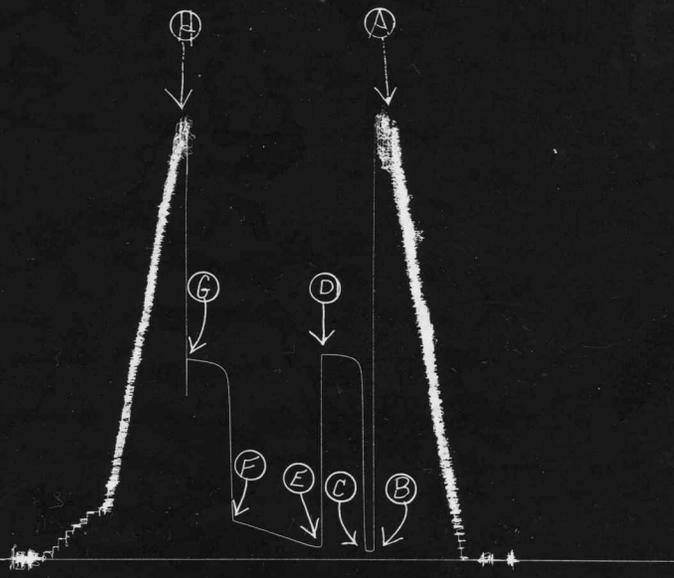
Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of -- Min.

Final Shut-In
Breakdown: 10 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>52</u>	<u>0</u>	<u>58</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>200</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>613</u>	<u>5</u>	<u>74</u>	<u>3</u>	<u>702</u>
P 3 _____		<u>6</u>	<u>995</u>	<u>10</u>	<u>83</u>	<u>6</u>	<u>945</u>
P 4 _____		<u>9</u>	<u>1018</u>	<u>15</u>	<u>93</u>	<u>9</u>	<u>975</u>
P 5 _____		<u>12</u>	<u>1028</u>	<u>20</u>	<u>108</u>	<u>12</u>	<u>989</u>
P 6 _____		<u>15</u>	<u>1033</u>	<u>25</u>	<u>120</u>	<u>15</u>	<u>995</u>
P 7 _____		<u>18</u>	<u>1037</u>	<u>30</u>	<u>137</u>	<u>18</u>	<u>1002</u>
P 8 _____		<u>21</u>	<u>1038</u>	<u>35</u>	<u>149</u>	<u>21</u>	<u>1006</u>
P 9 _____		<u>24</u>	<u>1040</u>	<u>40</u>	<u>162</u>	<u>24</u>	<u>1008</u>
P10 _____		<u>27</u>	<u>1041</u>	<u>45</u>	<u>176</u>	<u>27</u>	<u>1010</u>
P11 _____		<u>30</u>	<u>1041</u>	<u>50</u>	<u>189</u>	<u>30</u>	<u>1012</u>
P12 _____				<u>55</u>	<u>200</u>		
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Pickrell Drdg Co.
Scheuerman #A-1

TKT-10423
Test #2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2219	2209	PSI
(B) First Initial Flow Pressure	52	52	PSI
(C) First Final Flow Pressure	52	58	PSI
(D) Initial Closed-in Pressure	1039	1041	PSI
(E) Second Initial Flow Pressure	72	72	PSI
(F) Second Final Flow Pressure	197	200	PSI
(G) Final Closed-in Pressure	1018	1012	PSI
(H) Final Hydrostatic Mud	2198	2203	PSI

COMPANY Pickrell Drdg. Co. LEASE AND WELL NO. Scheuerman A#1 SEC. 34 TWP. 18S RGE. 20W TEST NO. 2 DATE 1-19-66



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Scheuerman A#1
Elevation 2140 Kelly Bushing Formation Cherokee Effective Pay 9 Ft. Ticker No. 10424
Date 1-20-68 Sec. 34 Twp. 18s Range 20w County Rush State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Dean Blagrave

Formation Test No. 3 O.K. Misrun Interval Tested From 4127' to 4136' Total Depth 4136'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4122 Ft. Size 6 3/4" Packer Depth 4127 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 9 Ft. Size 5 1/2"OD

RECORDERS Depth 4116 Ft. Clock No. 8475 Depth 4130 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 11:24 A. M
Tool Open I.F.P. From 11:26 M. to 11:31 M. Hr. 5 Min. From (B) 104 P.S.I. To (C) 193 P.S.I.
Tool Closed I.C.I.P. From 11:31 M. to 12:01 M. Hr. 30 Min. (D) 1035 P.S.I.
Tool Open F.F.P. From 12:01 M. to 1:01 P.M. 1 Hr. -- Min. From (E) 260 P.S.I. To (F) 794 P.S.I.
Tool Closed F.C.I.P. From 1:01 M. to 1:31 P.M. Hr. 30 Min. (G) 1032 P.S.I.
Initial Hydrostatic Pressure (A) 2202 P.S.I. Final Hydrostatic Pressure (H) 2192 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

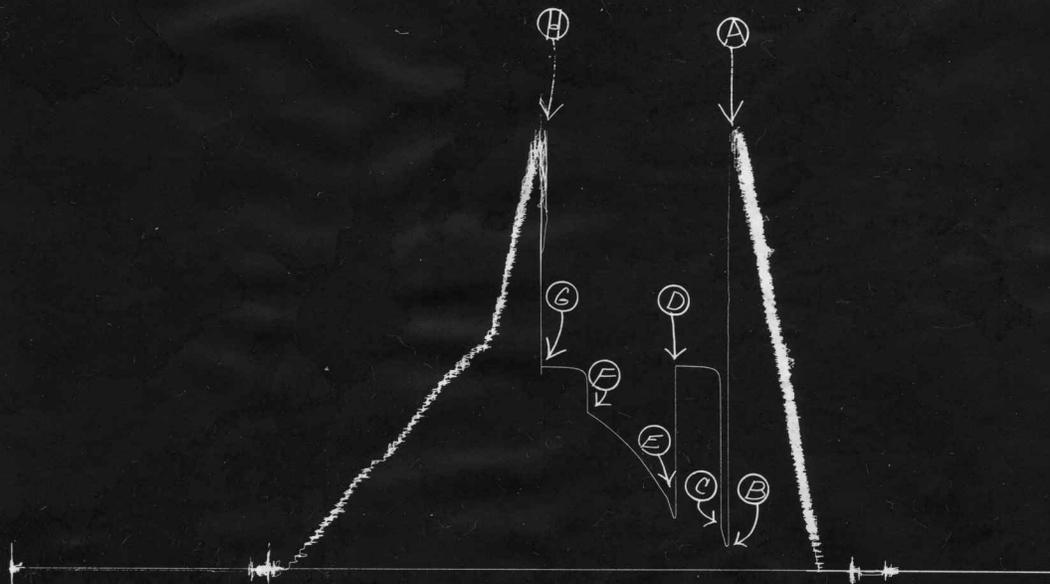
BLOW Strong throughout. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 2120 feet total: 2000 feet clean oil; 60 feet oil cut mud; 60 feet oil cut watery mud.

Reversed Out Yes No Mud Type starch Viscosity 57 Weight 10.1 Water Loss 7.6 cc. Maximum Temp. 123 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 992 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 33 ft.

Remarks _____

Pickrell Drlg Co.
Scheuerman # A-1

TKT-10424
Test #3



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2219	2202	PSI
(B) First Initial Flow Pressure	104	104	PSI
(C) First Final Flow Pressure	187	193	PSI
(D) Initial Closed-in Pressure	1039	1035	PSI
(E) Second Initial Flow Pressure	260	260	PSI
(F) Second Final Flow Pressure	789	794	PSI
(G) Final Closed-in Pressure	1039	1032	PSI
(H) Final Hydrostatic Mud	2209	2192	PSI