



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

Company Pickrell Drilling Company Lease & Well No. Starrett #B-1
Elevation 2173 Kelly Bushings Formation Cherokee Ticker Number 7709
Date Nov. 25, 1966 Sec. 12 Twp. 17s Range 21w County Ness State Kansas
Test Approved by George N. Mueller Western Representative Dean Blagrave

Formation Test No. 1 O.K. Misrun Interval Tested From 4033' to 4050' Total Depth 4050'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Packer Depth 4028 Ft. Size 6 3/4 Packer Depth 4033 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 17 Ft. Size 5 1/2 OD
RECORDERS Depth 4041 Ft. Clock No. 6892 Depth 4044 Ft. Clock No. 6774

Top Make Amerada Cap. 4150 No. 2606 Inside Outside
Below Straddle: Depth Clock No. Inside Outside
Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside
Depth Ft. Clock No. Inside Outside
Bottom Make Cap. No. Inside Outside

Time Set Packer 9:18 A M
Tool Open I.F.P. From 9:20A M to 9:25 M Hr. 5 Min. From (B) 45 P.S.I. To (C) 45 P.S.I.
Tool Closed I.C.I.P. From 9:25A M. to 9:55A M. Hr. 30 Min. (D) 58 P.S.I.
Tool Open F.F.P. From 9:55A M. to 10:25A M. Hr. 30 Min. From (E) 46 P.S.I. To (F) 56 P.S.I.
Tool Closed F.C.I.P. From 10:25A M. to 10:55A M. Hr. 30 Min. (G) 56 P.S.I.
Initial Hydrostatic Pressure (A) 2166 P.S.I. Final Hydrostatic Pressure (H) 2142 P.S.I.

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

Well Flow Yes No Recovery Total Ft. 5' drilling mud Bottom Choke Size 3/4 In.

Reversed Out Yes No Mud Type starch Viscosity 44 Weight 10.0 Maximum Temp. 112 °F

EXTRA EQUIPMENT: Dual Packers Safety Joint Jars: Size Make _____ Ser. No. _____
Pipe Circ. Sub. plug Did Tool Plug? Where? _____ Did Packer Hold?
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in Length Weight Pipe 1065 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
D. Drill Collars _____ in. Length D.S.T. Tool 35 ft.

Remarks Flushed @ 15 minutes.

WESTERN TESTING CO., INC.
Pressure Data

Date November 25, 1966 Test Ticket No. 7709
 Recorder No. 2606 Capacity 4150 Location 4041 Ft.
 Clock No. 6892 Elevation 2173 Kelly Bushings Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2166</u> P.S.I.	Opened Tool	<u>9:18 A</u> M	
B First Initial Flow Pressure	<u>45</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>45</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>58</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>46</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.			
G Final Closed-in Pressure	<u>56</u> P.S.I.			
H Final Hydrostatic Mud	<u>2142</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.

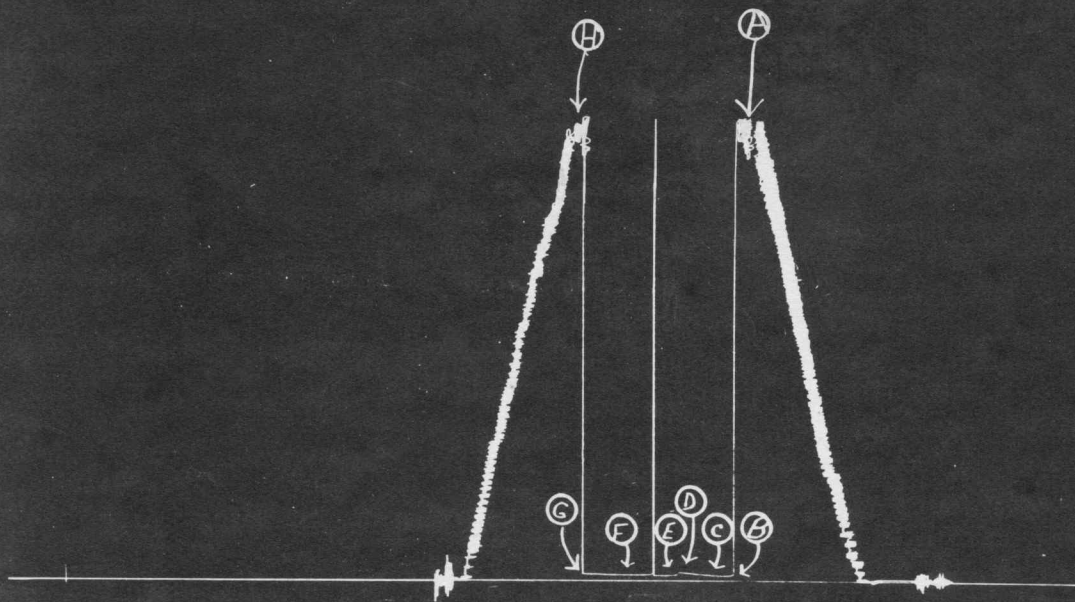
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of Min.

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>45</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>56</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>46</u>	<u>3</u>	<u>56</u>
P 3		<u>6</u>	<u>45</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>56</u>
P 4		<u>9</u>	<u>45</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>56</u>
P 5		<u>12</u>	<u>47</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>56</u>
P 6		<u>15</u>	<u>48</u>	<u>25</u>	<u>56</u>	<u>15</u>	<u>56</u>
P 7		<u>18</u>	<u>49</u>	<u>30</u>	<u>56</u>	<u>18</u>	<u>56</u>
P 8		<u>21</u>	<u>52</u>	<u>3</u>		<u>21</u>	<u>56</u>
P 9		<u>24</u>	<u>54</u>			<u>24</u>	<u>56</u>
P10		<u>27</u>	<u>56</u>			<u>27</u>	<u>56</u>
P11		<u>30</u>	<u>58</u>			<u>30</u>	<u>56</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drlg
Starrett B#1

TKT-7709
Test #1

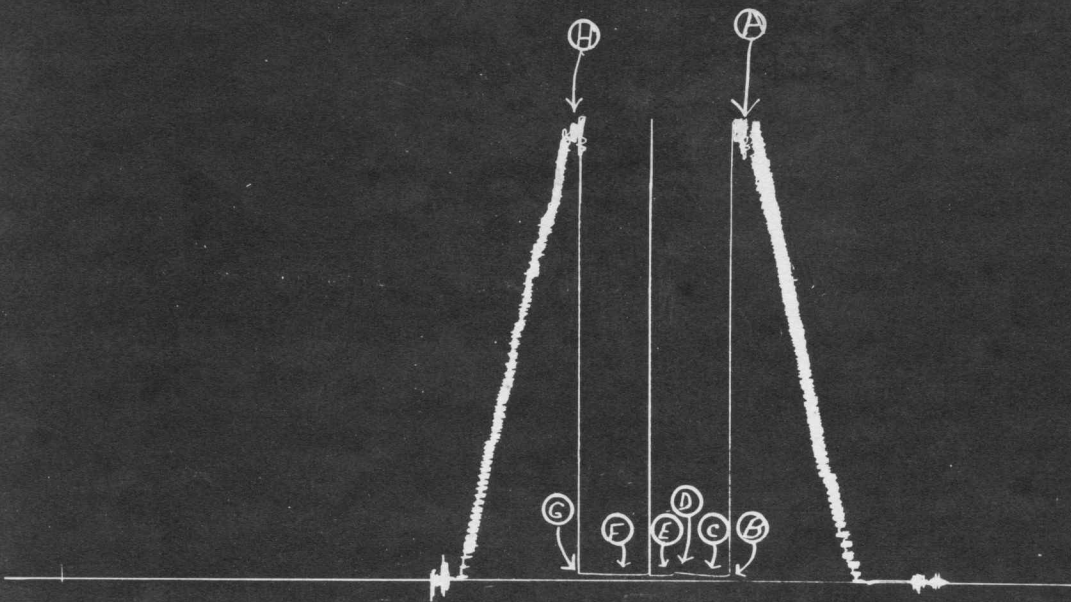


This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	2166 PSI
(B) First Initial Flow Pressure	45 PSI
(C) First Final Flow Pressure	45 PSI
(D) Initial Closed-in Pressure	58 PSI
(E) Second Initial Flow Pressure	46 PSI
(F) Second Final Flow Pressure	56 PSI
(G) Final Closed-in Pressure	56 PSI
(H) Final Hydrostatic Mud	2142 PSI

Pickrell Drlg
Starrett B#1

TKT-7709
Test #1



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POINT	PRESSURE
(A) Initial Hydrostatic Mud	2166 PSI
(B) First Initial Flow Pressure	45 PSI
(C) First Final Flow Pressure	45 PSI
(D) Initial Closed-in Pressure	58 PSI
(E) Second Initial Flow Pressure	46 PSI
(F) Second Final Flow Pressure	56 PSI
(G) Final Closed-in Pressure	56 PSI
(H) Final Hydrostatic Mud	2142 PSI



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

Company Pickrell Drilling Company Lease & Well No. Starrett #B-1
Elevation 2173 Kelly Bushings Formation Cherokee Ticket Number 7710
Date Nov. 25, 1966 Sec. 12 Twp. 17s Range 21w County Ness State Kansas
Test Approved by George N. Mueller Western Representative Dean Blagrave

Formation Test No. 2 O.K. Misrun Interval Tested From 4033' to 4056' Total Depth 4056'
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4028' Ft. Size 6 3/4 Packer Depth 4033' 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 23 Ft. Size 5 1/2 OD
RECORDERS Depth 4047 Ft. Clock No. 6892 Depth 4050 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 8:58 P M
Tool Open I.F.P. From 9:00P M to 9:05P M Hr. 5 Min. From (B) 512 P.S.I. To (C) 564 P.S.I.
Tool Closed I.C.I.P. From 9:05P M. to 9:35P M. Hr. 30 Min. (D) 991 P.S.I.
Tool Open F.F.P. From 9:35P M. to 10:05P M. Hr. 30 Min. From (E) 694 P.S.I. To (F) 910 P.S.I.
Tool Closed F.C.I.P. From 10:05P M. to 10:35P M. Hr. 30 Min. (G) 970 P.S.I.
Initial Hydrostatic Pressure (A) 2185 P.S.I. Final Hydrostatic Pressure (H) 2154 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. Gas to surface in 30 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 1800' clean gassy oil; 810' slightly muddy oil

Reversed Out Yes No Mud Type starch Viscosity 44 Weight 10.2 Maximum Temp. 122 °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 _____ ft. I.D. Drill Pipe 3.8 Length Weight Pipe 1035 ft. I.D. Weight Pipe 2.7 Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 41 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date November 25, 1966 Test Ticket No. 7710
 Recorder No. 2606 Capacity 4150 Location 4047 Ft.
 Clock No. 6892 Elevation 2173 Kelly Bushings Well Temperature 122 °F

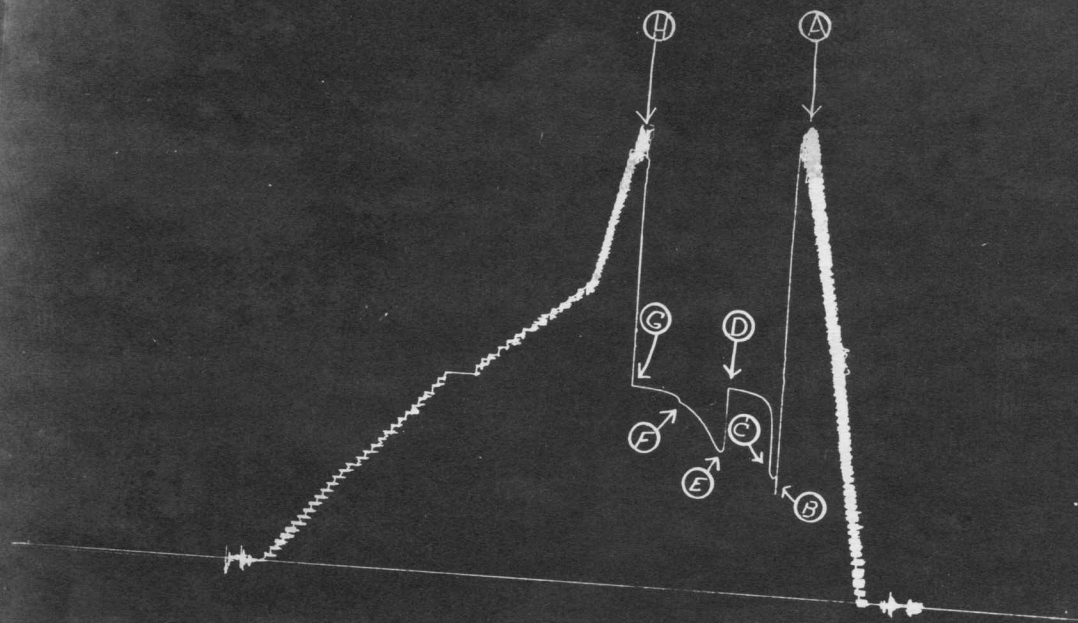
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2185</u> P.S.I.	Opened Tool	<u>8:58 P</u> M	
B First Initial Flow Pressure	<u>512</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>564</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>991</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>694</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>910</u> P.S.I.			
G Final Closed-in Pressure	<u>970</u> P.S.I.			
H Final Hydrostatic Mud	<u>2154</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>6</u> Inc.		Breakdown: <u>10</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>512</u>	<u>0</u>	<u>564</u>	<u>0</u>	<u>694</u>	<u>0</u>	<u>910</u>
P 2 <u>5</u>	<u>564</u>	<u>3</u>	<u>910</u>	<u>5</u>	<u>707</u>	<u>3</u>	<u>941</u>
P 3		<u>6</u>	<u>945</u>	<u>10</u>	<u>773</u>	<u>6</u>	<u>950</u>
P 4		<u>9</u>	<u>962</u>	<u>15</u>	<u>823</u>	<u>9</u>	<u>954</u>
P 5		<u>12</u>	<u>970</u>	<u>20</u>	<u>862</u>	<u>12</u>	<u>956</u>
P 6		<u>15</u>	<u>977</u>	<u>25</u>	<u>891</u>	<u>15</u>	<u>960</u>
P 7		<u>18</u>	<u>983</u>	<u>30</u>	<u>910</u>	<u>18</u>	<u>964</u>
P 8		<u>21</u>	<u>986</u>			<u>21</u>	<u>966</u>
P 9		<u>24</u>	<u>988</u>			<u>24</u>	<u>967</u>
P10		<u>27</u>	<u>991</u>			<u>27</u>	<u>969</u>
P11		<u>30</u>	<u>992</u>			<u>30</u>	<u>970</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilg Co.
Starrett # B-1

TKT-7710
Test # 2

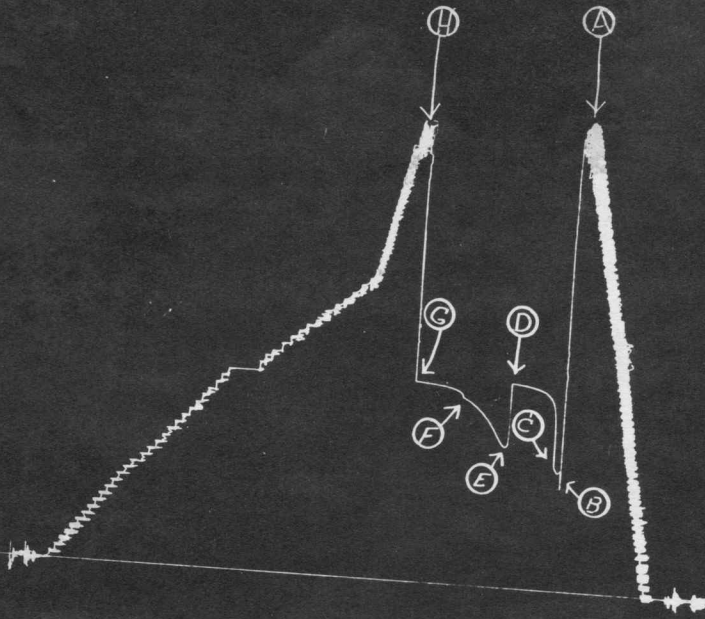


This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2185	PSI
(B) First Initial Flow Pressure	512	PSI
(C) First Final Flow Pressure	564	PSI
(D) Initial Closed-in Pressure	991	PSI
(E) Second Initial Flow Pressure	694	PSI
(F) Second Final Flow Pressure	910	PSI
(G) Final Closed-in Pressure	970	PSI
(H) Final Hydrostatic Mud	2154	PSI

Pickrell Drilg Co.
Starrett # B-1

TKT-7710
Test # 2



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POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2185	PSI
(B) First Initial Flow Pressure	512	PSI
(C) First Final Flow Pressure	564	PSI
(D) Initial Closed-in Pressure	991	PSI
(E) Second Initial Flow Pressure	694	PSI
(F) Second Final Flow Pressure	910	PSI
(G) Final Closed-in Pressure	970	PSI
(H) Final Hydrostatic Mud	2154	PSI