



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

Elmore #F-1

Company Pickrell Drilling Company Lease & Well No. 8447
Elevation 2374 Kelly Bushings Formation Cherokee Effective Pay ----- Ft. Ticket No. 8447
Date July 31, 1967 Sec. ----- Twp. ----- Range ----- County Ness State Kansas
Test Approved by George N. Mueller Western Representative Dean Blagrave

Formation Test No. 1 O.K. ☒ Misrun ----- Interval Tested From 4200' to 4245' Total Depth 4245'
Size Main Hole 7 1/8 Rat Hole ----- Conv. ----- B.T. ☒ Damaged ----- Yes ☒ No Conv. ☒ B.T. ----- Damaged ----- Yes ☒ No
Packer Depth 4195 Ft. Size 6 3/4 Packer Depth 4200 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 45 Ft. Size 5 1/2 OD
RECORDERS Depth 4236 Ft. Clock No. 6892 Depth 4239 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside ----- Bottom Make Amerada Cap. 4300 No. 1567 Inside -----
Below Straddle: Depth ----- Clock No. ----- Inside ----- Depth ----- Ft. Clock No. ----- Outside -----
Top Make ----- Cap. ----- No. ----- Inside ----- Bottom Make ----- Cap. ----- No. ----- Outside -----

Time Set Packer 10:52 A M
Tool Open I.F.P. From 10:55 M. to 11:00 M. Hr. 5 Min. From (B) 166 P.S.I. To (C) 263 P.S.I.
Tool Closed I.C.I.P. From 11:00 M. to 11:30 M. Hr. 30 Min. (D) 1119 P.S.I.
Tool Open F.F.P. From 11:30A M. to 12:30P M. Hr. 1 Min. From (E) 316 P.S.I. To (F) 603 P.S.I.
Tool Closed F.C.I.P. From 12:30P M. to 1:00 M. Hr. 30 Min. (G) 863 P.S.I.
Initial Hydrostatic Pressure (A) 2313 P.S.I. Final Hydrostatic Pressure (H) 2303 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. 130' clean oil; 1490' muddy oil

Reversed Out Yes ☒ No ----- Mud Type starch Viscosity 45 Weight 10.0 Water Loss ----- cc. Maximum Temp. 121 °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 in. Length Weight Pipe 875 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars ----- in. Length D.S.T. Tool 63 ft.

Remarks Gravity 37° corrected.

WESTERN TESTING CO., INC.

Pressure Data

Date July 31, 1967 Test Ticket No. 8447
 Recorder No. 2606 Capacity 4150 Location 4236 Ft.
 Clock No. 6892 Elevation 2374 Kelly Bushings Well Temperature 121 °F

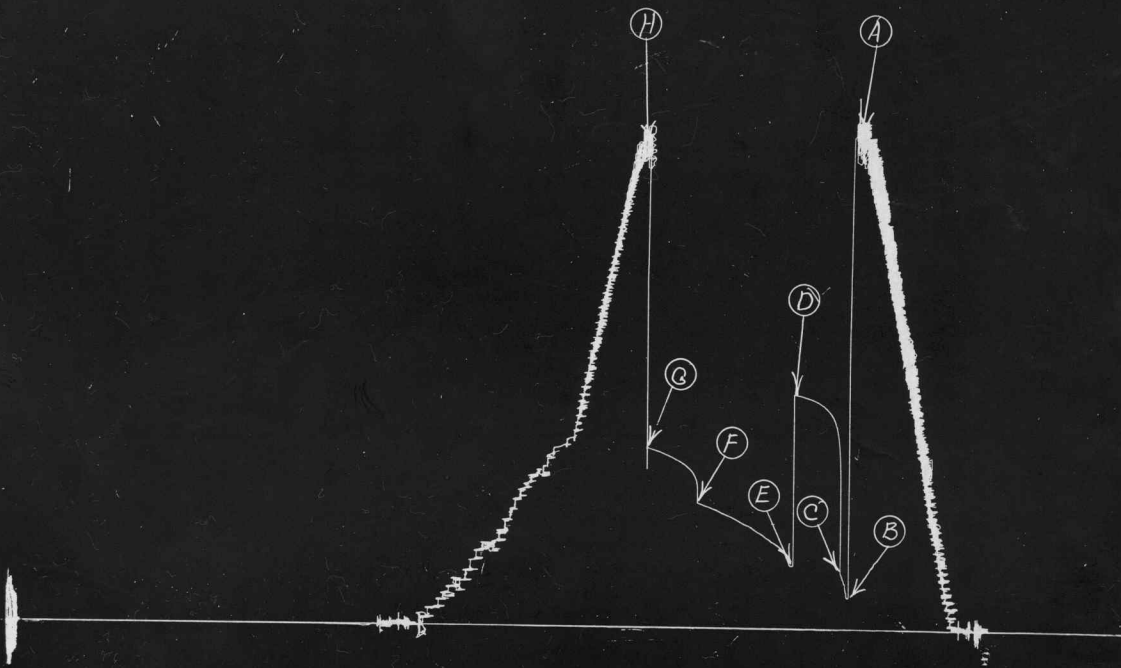
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2313</u> P.S.I.	Opened Tool	<u>10:55A</u> M	
B First Initial Flow Pressure	<u>166</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>263</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1119</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>316</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>32</u> Mins.
F Second Final Flow Pressure	<u>603</u> P.S.I.			
G Final Closed-in Pressure	<u>863</u> P.S.I.			
H Final Hydrostatic Mud	<u>2303</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>166</u>	<u>0</u>	<u>263</u>	<u>0</u>	<u>316</u>	<u>0</u>	<u>603</u>
P 2 <u>5</u>	<u>263</u>	<u>3</u>	<u>923</u>	<u>5</u>	<u>359</u>	<u>3</u>	<u>744</u>
P 3		<u>6</u>	<u>997</u>	<u>10</u>	<u>408</u>	<u>6</u>	<u>765</u>
P 4		<u>9</u>	<u>1039</u>	<u>15</u>	<u>433</u>	<u>9</u>	<u>786</u>
P 5		<u>12</u>	<u>1066</u>	<u>20</u>	<u>460</u>	<u>12</u>	<u>801</u>
P 6		<u>15</u>	<u>1081</u>	<u>25</u>	<u>485</u>	<u>15</u>	<u>813</u>
P 7		<u>18</u>	<u>1093</u>	<u>30</u>	<u>506</u>	<u>18</u>	<u>825</u>
P 8		<u>21</u>	<u>1101</u>	<u>35</u>	<u>526</u>	<u>21</u>	<u>834</u>
P 9		<u>24</u>	<u>1109</u>	<u>40</u>	<u>545</u>	<u>24</u>	<u>844</u>
P10		<u>27</u>	<u>1114</u>	<u>45</u>	<u>560</u>	<u>27</u>	<u>851</u>
P11		<u>30</u>	<u>1119</u>	<u>50</u>	<u>576</u>	<u>30</u>	<u>858</u>
P12				<u>55</u>	<u>589</u>	<u>32</u>	<u>863</u>
P13				<u>60</u>	<u>603</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell DrLg. Co.
ELmore F #1

T.K.T.# 8447
Test # 1



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2313	PSI
(B) First Initial Flow Pressure	166	PSI
(C) First Final Flow Pressure	263	PSI
(D) Initial Closed-in Pressure	1119	PSI
(E) Second Initial Flow Pressure	316	PSI
(F) Second Final Flow Pressure	603	PSI
(G) Final Closed-in Pressure	863	PSI
(H) Final Hydrostatic Mud	2303	PSI



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

Pickrell Drilling Company

Elmore #F-1

Company 2374 Kelly Bushings Cherokee Lease & Well No. 8448
Elevation August 1, 1967 Formation Ness Effective Pay Kansas Ft. Ticket No. 8448
Date August 1, 1967 Sec. ----- Twp. ----- Range ----- County ----- State -----
Test Approved by George N. Mueller Western Representative Dean Blagrove

Formation Test No. 2 O.K. x Misrun ----- Interval Tested From 4247' to 4265' Total Depth 4275'
Size Main Hole 7 7/8 Rat Hole ----- Conv. ----- B.T. x Damaged ----- Yes x No Conv. x B.T. ----- Damaged ----- Yes x No
Packer Depth 4242 Ft. Size 6 3/4 Packer Depth 4247 Ft. Size 6 3/4
Straddle ----- Yes x No ----- Conv. ----- B.T. ----- Damaged ----- Yes ----- No -----

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 18 Ft. Size 5 1/2 OD
RECORDERS Depth 4267 Ft. Clock No. 6892 Depth 4270 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside ----- Bottom Make Amerada Cap. 4300 No. 1567 Inside -----
Below Straddle: Depth ----- Clock No. ----- Inside ----- Depth ----- Ft. Clock No. ----- Outside -----
Top Make ----- Cap. ----- No. ----- Outside ----- Bottom Make ----- Cap. ----- No. ----- Outside -----

Time Set Packer 12:52 A M
Tool Open I.F.P. From 12:55 M. to 1:00 M. Hr. 5 Min. From (B) 971 P.S.I. To (C) 1002 P.S.I.
Tool Closed I.C.I.P. From 1:00A M. to 1:30 M. Hr. 30 Min. (D) 1226 P.S.I.
Tool Open F.F.P. From 1:30 M. to 2:00 M. Hr. 30 Min. From (E) 1101 P.S.I. To (F) 1221 P.S.I.
Tool Closed F.C.I.P. From 2:00 M. to 2:30 M. Hr. 30 Min. (G) 1227 P.S.I.
Initial Hydrostatic Pressure (A) 2321 P.S.I. Final Hydrostatic Pressure (H) 2277 P.S.I.

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

BLOW Strong decreasing toward end of test. Bottom Choke Size 3/4 In.
Did Well Flow Yes x x No ----- Recovery Total Ft. 2650' salt water.

Reversed Out Yes No ----- Mud Type starch Viscosity 45 Weight 19 Water Loss ----- cc. Maximum Temp. 126 °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 3.8 ft. I.D. Drill Pipe 875 in. Length Weight Pipe 2.7 ft. I.D. Weight Pipe none in. Length Drill Collars 36 ft.
I. D. Drill Collars 36 in. Length D.S.T. Tool 36 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date AUGUST 1, 1967 Test Ticket No. 8448
 Recorder No. 2606 Capacity 4150 Location 4267 Ft.
 Clock No. 6892 Elevation 2374 Kelly Bushings Well Temperature 126 °F

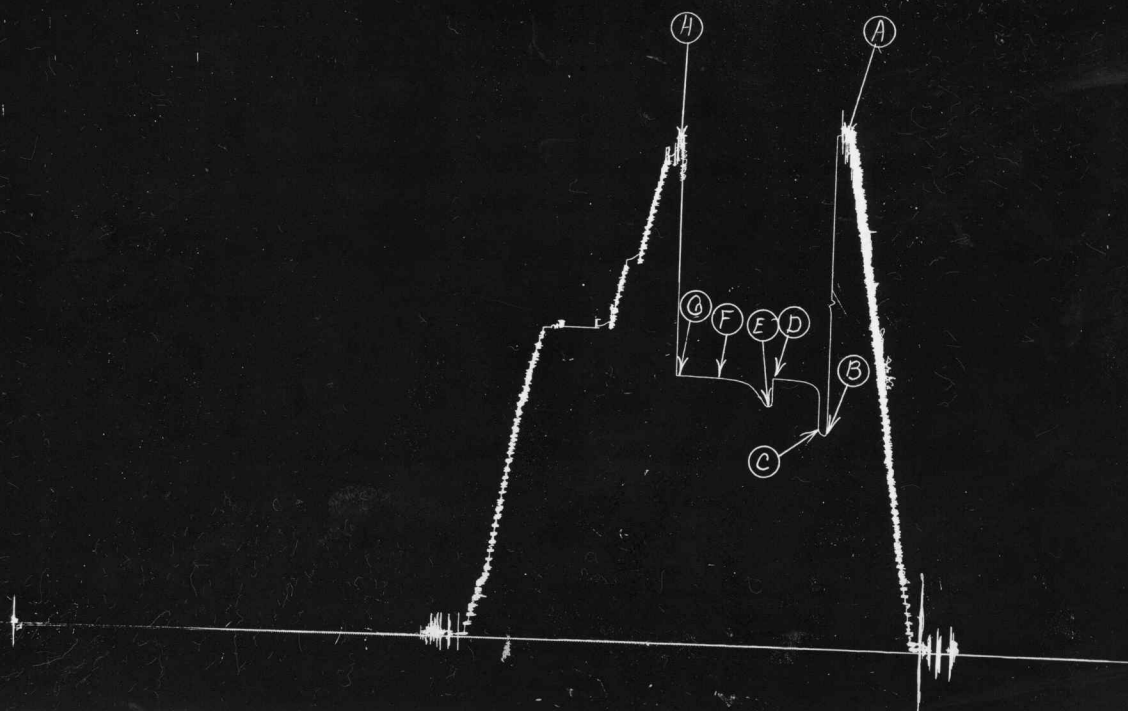
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2321</u> P.S.I.	Opened Tool	<u>12:55 A</u>	M
B First Initial Flow Pressure	<u>971</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>1002</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1226</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>1101</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>1221</u> P.S.I.			
G Final Closed-in Pressure	<u>1227</u> P.S.I.			
H Final Hydrostatic Mud	<u>2277</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>971</u>	<u>0</u>	<u>1002</u>	<u>0</u>	<u>1101</u>	<u>0</u>	<u>1221</u>
P 2 <u>5</u>	<u>1002</u>	<u>3</u>	<u>1194</u>	<u>5</u>	<u>1117</u>	<u>3</u>	<u>1223</u>
P 3		<u>6</u>	<u>1209</u>	<u>10</u>	<u>1173</u>	<u>6</u>	<u>1225</u>
P 4		<u>9</u>	<u>1215</u>	<u>15</u>	<u>1198</u>	<u>9</u>	<u>1226</u>
P 5		<u>12</u>	<u>1219</u>	<u>20</u>	<u>1211</u>	<u>12</u>	<u>1227</u>
P 6		<u>15</u>	<u>1221</u>	<u>25</u>	<u>1217</u>	<u>15</u>	<u>1227</u>
P 7		<u>18</u>	<u>1224</u>	<u>30</u>	<u>1221</u>	<u>18</u>	<u>1227</u>
P 8		<u>21</u>	<u>1226</u>			<u>21</u>	<u>1227</u>
P 9		<u>24</u>	<u>1226</u>			<u>24</u>	<u>1227</u>
P10		<u>27</u>	<u>1226</u>			<u>27</u>	<u>1227</u>
P11		<u>30</u>	<u>1226</u>			<u>30</u>	<u>1227</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell DrLg. Co.
ELmore F-1

TKT# 8448
Test# 2



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	2321 PSI
(B) First Initial Flow Pressure	971 PSI
(C) First Final Flow Pressure	1002 PSI
(D) Initial Closed-in Pressure	1226 PSI
(E) Second Initial Flow Pressure	1101 PSI
(F) Second Final Flow Pressure	1221 PSI
(G) Final Closed-in Pressure	1227 PSI
(H) Final Hydrostatic Mud	2277 PSI