

15-135-20094



22-165-21w

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

Company Walters Drilg. Co. Lease & Well No. Elmore A#1
Elevation 2322 Kelly Bushings Formation Cherokee Effective Pay 12 Ft. Ticket No. 10403
Date 12-11-67 Sec 22 Twp 16s Range 21w County Ness State Kansas
Test Approved by Don Beauchamp Western Representative Dean Blagrove

Formation Test No. 1 O.K. ☒ Misrun Interval Tested From 4191' to 4207' Total Depth 4207'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth 4186 Ft. Size 6 3/4 Packer Depth 4191 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 16 Ft. Size 5 1/2" OD
RECORDERS Depth 4198 Ft. Clock No. 2475 Depth 4201 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 2:48 P. M.
Tool Open I.F.P. From 2:50 M. to 2:55 P. M. Hr. 5 Min. From (B) 166 P.S.I. To (C) 160 P.S.I.
Tool Closed I.C.I.P. From 2:55 M. to 3:15 P. M. Hr. 20 Min. (D) 1123 P.S.I.
Tool Open F.F.P. From 3:15 M. to 3:35 P. M. Hr. 20 Min. From (E) 226 P.S.I. To (F) 497 P.S.I.
Tool Closed F.C.I.P. From 3:35 M. to 3:55 P. M. Hr. 20 Min. (G) 1091 P.S.I.
Initial Hydrostatic Pressure (A) 2209 P.S.I. Final Hydrostatic Pressure (H) 2188 P.S.I.

SURFACE	Size Choke <u>1/4</u> 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. 760 feet gas in pipe:
1310 feet clean gassy oil (33° gravity corrected)

Reversed Out Yes No Mud Type starch Viscosity 45 Weight 9.8 Water Loss 13 cc. Maximum Temp. 119 °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 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe none ft. I.D. Weight Pipe in. Length Drill Collars none ft.
I. D. Drill Collars in. Length D.S.T. Tool 34 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 12-11-67 Test Ticket No. 10403
 Recorder No. 2606 Capacity 4150 Location 4198 Ft.
 Clock No. 8475 Elevation 2322 Kelly Bushings Well Temperature 119 °F

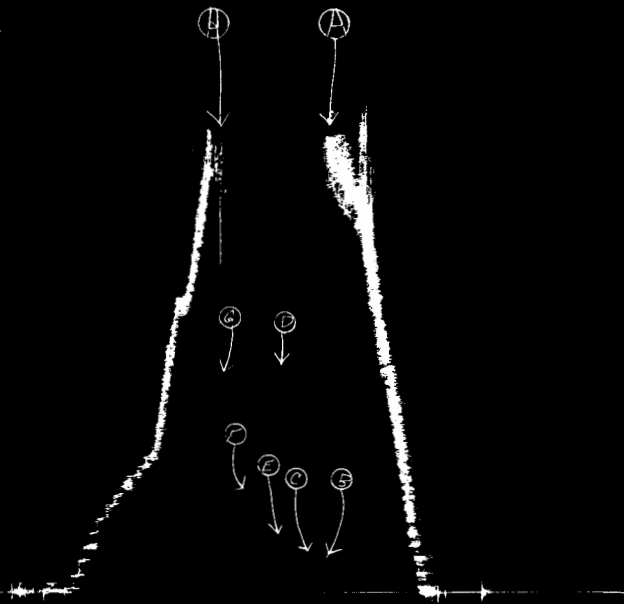
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2209 P.S.I.	2:50 P.	M
B First Initial Flow Pressure	166 P.S.I.	5 Mins.	5 Mins.
C First Final Flow Pressure	166 P.S.I.	20 Mins.	20 Mins.
D Initial Closed-in Pressure	1128 P.S.I.	20 Mins.	20 Mins.
E Second Initial Flow Pressure	226 P.S.I.	20 Mins.	20 Mins.
F Second Final Flow Pressure	497 P.S.I.		
G Final Closed-in Pressure	1091 P.S.I.		
H Final Hydrostatic Mud	2188 P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>4</u> Inc.		Breakdown: <u>4</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> <u>20</u> mins. and a		of <u>5</u> mins. and a	
final inc. of <u>--</u> Min.		final inc. of <u>2</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>166</u>	<u>0</u>	<u>166</u>	<u>0</u>	<u>226</u>	<u>0</u>	<u>497</u>
P 2 <u>5</u>	<u>166</u>	<u>3</u>	<u>989</u>	<u>5</u>	<u>280</u>	<u>3</u>	<u>952</u>
P 3		<u>6</u>	<u>1053</u>	<u>10</u>	<u>368</u>	<u>6</u>	<u>1002</u>
P 4		<u>9</u>	<u>1082</u>	<u>15</u>	<u>445</u>	<u>9</u>	<u>1033</u>
P 5		<u>12</u>	<u>1101</u>	<u>20</u>	<u>497</u>	<u>12</u>	<u>1055</u>
P 6		<u>15</u>	<u>1113</u>			<u>15</u>	<u>1072</u>
P 7		<u>18</u>	<u>1122</u>			<u>18</u>	<u>1080</u>
P 8		<u>20</u>	<u>1128</u>			<u>20</u>	<u>1091</u>
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Walters Drlg Co.
Elmore "A" #1

TKT-10423
- 25 + #1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2209	2209
(B) First Initial Flow Pressure	156	166
(C) First Final Flow Pressure	166	166
(D) Initial Closed-in Pressure	1122	1128
(E) Second Initial Flow Pressure	239	226
(F) Second Final Flow Pressure	500	497
(G) Final Closed-in Pressure	1091	1091
(H) Final Hydrostatic Mud	2188	2188

CSU NE



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

Company Walters Drilg. Co. Lease & Well No. Elmore A#1
Elevation 2322 Kelly Bushings Formation Cherokee Effective Pay 7 Ft. Ticket No. 10404
Date 12-12-67 Sec. 22 Twp. 16s Range 21w County Ness State Kansas
Test Approved by Don Beauchamp Western Representative Dean Blagrove
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4216' to 4223' Total Depth 4223'
Size Main Hole 8 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Packer Depth 4211 Ft. Size 6 3/4 Packer Depth 4216 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 7 Ft. Size 5 1/2" OD
RECORDERS Depth 4205 Ft. Clock No. 8475 Depth 4219 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. Inside
Top Make Cap. No. Outside Bottom Make Cap. No. Outside
Time Set Packer 4139 A. M
Tool Open I.F.P. From 4:41 M. to 4:51 A.M. Hr. 10 Min. From (B) 37 P.S.I. To (C) 72 P.S.I.
Tool Closed I.C.I.P. From 4:51 M. to 5:11 A.M. Hr. 20 Min. (D) 1140 P.S.I.
Tool Open F.F.P. From 5:11 M. to 5:56 A.M. Hr. 45 Min. From (E) 106 P.S.I. To (F) 307 P.S.I.
Tool Closed F.C.I.P. From 5:56 M. to 6:26 A.M. Hr. 30 Min. (G) 1138 P.S.I.
Initial Hydrostatic Pressure (A) 2196 P.S.I. Final Hydrostatic Pressure (H) 2186 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M.
BLOW Good throughout. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 640 feet muddy salt water.
Reversed Out ☐ Yes ☐ No Mud Type starch Viscosity 52 Weight 10 Water Loss 7.2 cc. Maximum Temp. 119 °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 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe none ft. I.D. Weight Pipe in. Length Drill Collars none ft.
I. D. Drill Collars in. Length D.S.T. Tool 31 ft.
Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 12-12-67 Test Ticket No. 10404
 Recorder No. 2606 Capacity 4150 Location 4205 Ft.
 Clock No. 8475 Elevation 2322 Kelly Bushings Well Temperature 119 °F

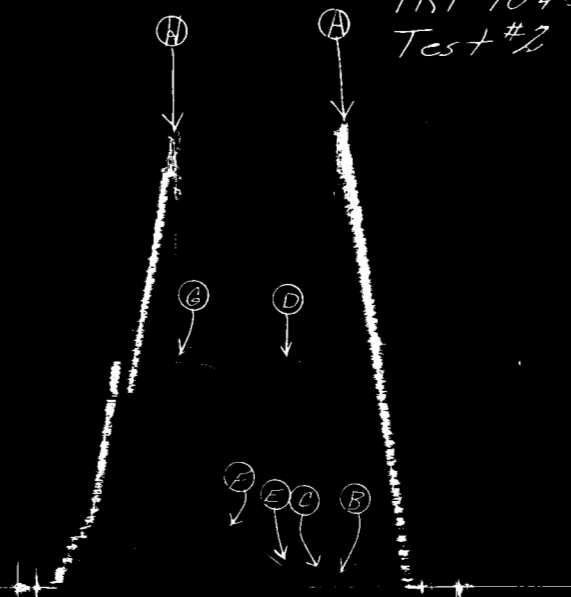
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2106</u> P.S.I.	Opened Tool	<u>4:39</u> A. M.	
B First Initial Flow Pressure	<u>37</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>72</u> P.S.I.	Initial Closed-in Pressure	<u>20</u> Mins.	<u>22</u> Mins.
D Initial Closed-in Pressure	<u>1140</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>43</u> Mins.
E Second Initial Flow Pressure	<u>106</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>307</u> P.S.I.			
G Final Closed-in Pressure	<u>1138</u> P.S.I.			
H Final Hydrostatic Mud	<u>2106</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>8</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>1</u> Min.		final inc. of <u>3</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>37</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>106</u>	<u>0</u>	<u>307</u>
P 2 <u>5</u>	<u>47</u>	<u>3</u>	<u>736</u>	<u>5</u>	<u>110</u>	<u>3</u>	<u>885</u>
P 3 <u>10</u>	<u>72</u>	<u>6</u>	<u>1039</u>	<u>10</u>	<u>130</u>	<u>6</u>	<u>1070</u>
P 4		<u>9</u>	<u>1111</u>	<u>15</u>	<u>170</u>	<u>9</u>	<u>1107</u>
P 5		<u>12</u>	<u>1128</u>	<u>20</u>	<u>197</u>	<u>12</u>	<u>1117</u>
P 6		<u>15</u>	<u>1134</u>	<u>25</u>	<u>224</u>	<u>15</u>	<u>1124</u>
P 7		<u>18</u>	<u>1130</u>	<u>30</u>	<u>240</u>	<u>18</u>	<u>1128</u>
P 8		<u>21</u>	<u>1140</u>	<u>35</u>	<u>276</u>	<u>21</u>	<u>1132</u>
P 9		<u>22</u>	<u>1140</u>	<u>40</u>	<u>295</u>	<u>24</u>	<u>1134</u>
P10				<u>43</u>	<u>307</u>	<u>27</u>	<u>1136</u>
P11						<u>30</u>	<u>1138</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Walters Drlg Co.
Elmore "A" #1

TKT-10404
Test #2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2198	2196	PSI
(B) First Initial Flow Pressure	31	37	PSI
(C) First Final Flow Pressure	72	72	PSI
(D) Initial Closed-in Pressure	1142	1140	PSI
(E) Second Initial Flow Pressure	104	106	PSI
(F) Second Final Flow Pressure	312	307	PSI
(G) Final Closed-in Pressure	1142	1138	PSI
(H) Final Hydrostatic Mud	2188	2186	PSI

254 NE