



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

Company Abercrombie Drilling Co., Inc. Lease & Well No. Fitzhugh #1
Elevation 2083 Kelly Bushings Formation ? & Regan Sand Ticket Number 8369
Date Sept. 30, 1965 Sec. 13 Twp. 5s Range 22w County Norton State Kansas
Test Approved by Jack K. Wharton Western Representative Gerrell Veatch

Formation Test No. 4 O.K. Misrun Interval Tested From 3436' to 3506' Total Depth 3506'
Size Main Hole 6 3/4 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3432 Ft. Size 5 1/2 Packer Depth 3436 Ft. Size 5 1/2
Straddle Yes No Conv. B.T. Damaged Yes No

Tool Size 4 1/2 OD Tool Jt. Size 3 1/2 IF Anchor Length 70 Ft. Size 4 1/2 OD 1 jt. D.P.

RECORDERS Depth 3439 Ft. Clock No. 6875 Depth 3442 Ft. Clock No. 104
Top Make Kuster Cap. 4300 No. 1566 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 26 ~~Inside~~ Outside
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Inside
Top Make Cap. No. Outside Bottom Make Cap. No. Outside

Time Set Packer 3:58 A M
Tool Open I.F.P. From 4:02A M to 4:08A M Hr. 6 Min. From (B) 32 P.S.I. To (C) 36 P.S.I.
Tool Closed I.C.I.P. From 4:08A M. to 4:38 M. Hr. 30 Min. (D) 1164 P.S.I.
Tool Open F.F.P. From 4:38A M. to 5:38 M. 1 Hr. Min. From (E) 86 P.S.I. To (F) 207 P.S.I.
Tool Closed F.C.I.P. From 5:38 M. to 6:08 M. Hr. 30 Min. (G) 1059 P.S.I.
Initial Hydrostatic Pressure (A) 1908 P.S.I. Final Hydrostatic Pressure (H) 1893 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Good through out test. Bottom Choke Size _____ In.

Did Well Flow Yes No Recovery Total Ft. 180' mud; 240' muddy water

Reversed Out Yes No Mud Type chem. Viscosity 42 Weight 10.5 Maximum Temp. 103 °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 2546 ft. I.D. Drill Pipe 2.5 in Length Weight Pipe 810 ft. I.D. Weight Pipe 2.5 in. Length Drill Collars 60 ft.

I. D. Drill Collars 2.5 in. Length D.S.T. Tool 90 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date September 30, 1965 Test Ticket No. 8369
 Recorder No. 1566 Capacity 4300 Location 3439 Ft.
 Clock No. 6875 Elevation 2083 Kelly Bushings Well Temperature 103 °F

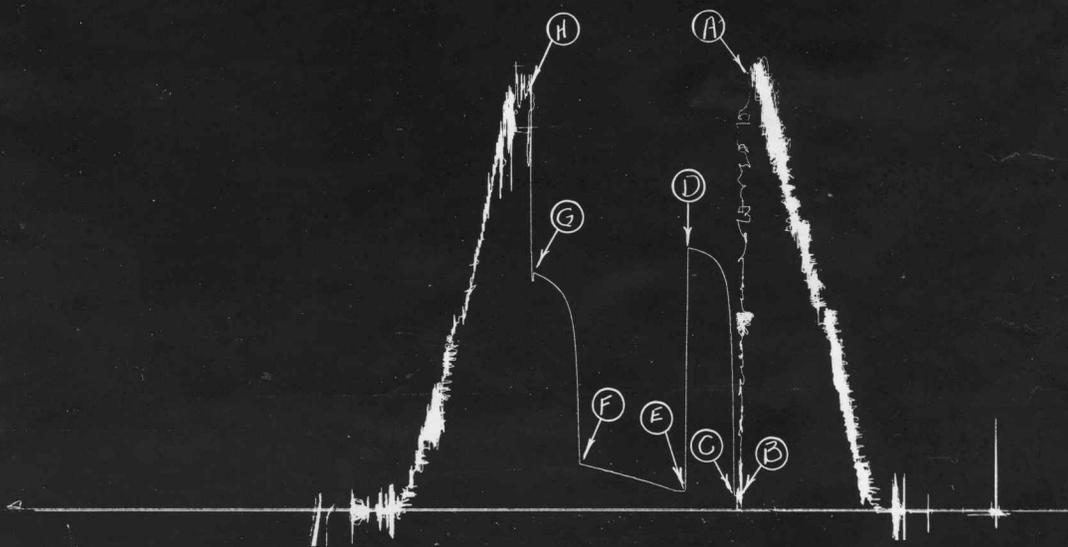
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1908</u> P.S.I.	Opened Tool	<u>3:58A</u> M	
B First Initial Flow Pressure	<u>32</u> P.S.I.	First Flow Pressure	<u>6</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1164</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>62</u> Mins.
E Second Initial Flow Pressure	<u>86</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>207</u> P.S.I.			
G Final Closed-in Pressure	<u>1059</u> P.S.I.			
H Final Hydrostatic Mud	<u>1893</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>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>9</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>2</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>32</u>	<u>0</u> <u>36</u>	<u>0</u> <u>86</u>	<u>0</u> <u>207</u>			
P 2	<u>5</u> <u>36</u>	<u>3</u> <u>909</u>	<u>5</u> <u>87</u>	<u>3</u> <u>793</u>			
P 3		<u>6</u> <u>1040</u>	<u>10</u> <u>97</u>	<u>6</u> <u>903</u>			
P 4		<u>9</u> <u>1094</u>	<u>15</u> <u>110</u>	<u>9</u> <u>961</u>			
P 5		<u>12</u> <u>1121</u>	<u>20</u> <u>125</u>	<u>12</u> <u>989</u>			
P 6		<u>15</u> <u>1136</u>	<u>25</u> <u>136</u>	<u>15</u> <u>1008</u>			
P 7		<u>18</u> <u>1147</u>	<u>30</u> <u>146</u>	<u>18</u> <u>1027</u>			
P 8		<u>21</u> <u>1156</u>	<u>35</u> <u>157</u>	<u>21</u> <u>1038</u>			
P 9		<u>24</u> <u>1160</u>	<u>40</u> <u>164</u>	<u>24</u> <u>1049</u>			
P10		<u>27</u> <u>1164</u>	<u>45</u> <u>177</u>	<u>27</u> <u>1059</u>			
P11			<u>50</u> <u>185</u>				
P12			<u>55</u> <u>194</u>				
P13			<u>60</u> <u>203</u>				
P14			<u>62</u> <u>207</u>				
P15							
P16							
P17							
P18							
P19							
P20							

Abercrombie Drllg. Inc.
Fitzhugh #1

Test # 4
THT # 8369



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1908 PSI
(B) First Initial Flow Pressure	32 PSI
(C) First Final Flow Pressure	36 PSI
(D) Initial Closed-in Pressure	1164 PSI
(E) Second Initial Flow Pressure	86 PSI
(F) Second Final Flow Pressure	207 PSI
(G) Final Closed-in Pressure	1059 PSI
(H) Final Hydrostatic Mud	1893 PSI