



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

26-155-13w

Company A. L. Abercrombie, Inc. Lease & Well No. Elmore #4  
Elevation 1871 Derrick Floor; Formation = K. C. Ticket Number 8057  
Date Feb. 7, 1965 Sec. 26 Twp. 15s Range 13w County Russell, State Kansas  
Test Approved by Jack K. Wharton Western Representative W. M. Nething

Formation Test No. 1 O.K.  Misrun \_\_\_\_\_ Interval Tested From 3058' to 3120' Total Depth 3120'  
Size Main Hole 6 3/4 Rat Hole \_\_\_\_\_ Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged \_\_\_\_\_ Yes  No \_\_\_\_\_  
Packer Depth 3058 Ft. Size 5 1/2 Packer Depth 3053 Ft. Size 5 1/2  
Straddle \_\_\_\_\_ Yes  No \_\_\_\_\_ Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_  
Packer Depth \_\_\_\_\_ Ft Size \_\_\_\_\_  
Tool Size 4 1/2 OD Tool Jt. Size 4 FH 3 1/2 IF Anchor Length 62 Ft. Size 4 1/2 OD & 3 1/2 DP

RECORDERS Depth 3068 Ft. Clock No. 6866 Depth 3070 Ft. Clock No. 127  
Top Make Amerada Cap. 3150 No. 1564 Inside Outside Bottom Make Western Cap. 4000 No. 17 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 10:51 P M  
Tool Open I.F.P. From 10:55 P M to 11:00 M Hr. 5 Min. From (B) 41 P.S.I. To (C) 44 P.S.I.  
Tool Closed I.C.I.P. From 11:00 M. to 11:30 M. Hr. 30 Min. (D) 670 P.S.I.  
Tool Open F.F.P. From 11:30 P M. to 12:30 A M. Hr. 60 Min. From (E) 66 P.S.I. To (F) 99 P.S.I.  
Tool Closed F.C.I.P. From 12:30 A M. to 1:00 A M. Hr. 30 Min. (G) 465 P.S.I.  
Initial Hydrostatic Pressure (A) 1748 P.S.I. Final Hydrostatic Pressure (H) 1729 P.S.I.

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

BLOW Fair blow. Bottom Choke Size 3/4 In.  
Did Well Flow Yes  No Recovery Total Ft. 60' slightly oil cut and gas cut mud - 120' muddy water

Reversed Out Yes  No Mud Type starch Viscosity 45 Weight 10.5 Maximum Temp. 110 °F  
EXTRA EQUIPMENT: Dual Packers dual 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 2137 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 846 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 55 ft.  
I. D. Drill Collars 2 1/4 in. Length D. S. T. Tool 82 ft.

Remarks

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date February 7, 1965 Test Ticket No. 8057  
 Recorder No. 1564 Capacity 3150 Location 3068 Ft.  
 Clock No. 6866 Elevation 1871 Derrick Floor Well Temperature 110 °F

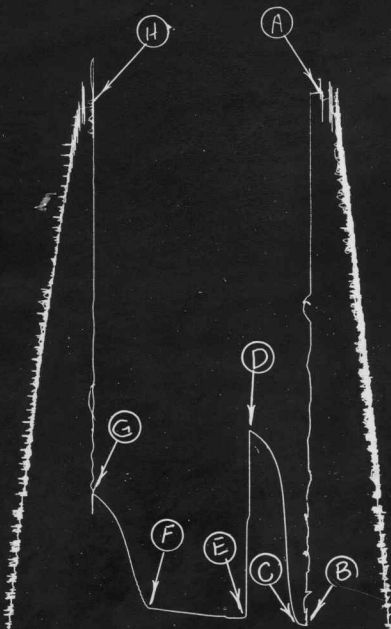
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1748</u> P.S.I.	Opened Tool	<u>10:51P</u>	<u>M</u>
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>44</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>670</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>66</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>99</u> P.S.I.			
G Final Closed-in Pressure	<u>465</u> P.S.I.			
H Final Hydrostatic Mud	<u>1729</u> P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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>3</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>41</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>99</u>	
P 2	<u>5</u> <u>44</u>	<u>3</u>	<u>79</u>	<u>5</u>	<u>66</u>	<u>3</u>	<u>124</u>	
P 3	<u>6</u> <u>178</u>	<u>6</u>	<u>178</u>	<u>10</u>	<u>66</u>	<u>6</u>	<u>169</u>	
P 4	<u>9</u> <u>420</u>	<u>9</u>	<u>420</u>	<u>15</u>	<u>71</u>	<u>9</u>	<u>222</u>	
P 5	<u>12</u> <u>532</u>	<u>12</u>	<u>532</u>	<u>20</u>	<u>72</u>	<u>12</u>	<u>281</u>	
P 6	<u>15</u> <u>581</u>	<u>15</u>	<u>581</u>	<u>25</u>	<u>75</u>	<u>15</u>	<u>337</u>	
P 7	<u>18</u> <u>617</u>	<u>18</u>	<u>617</u>	<u>30</u>	<u>80</u>	<u>18</u>	<u>381</u>	
P 8	<u>21</u> <u>634</u>	<u>21</u>	<u>634</u>	<u>35</u>	<u>82</u>	<u>21</u>	<u>407</u>	
P 9	<u>24</u> <u>649</u>	<u>24</u>	<u>649</u>	<u>40</u>	<u>86</u>	<u>24</u>	<u>426</u>	
P10	<u>27</u> <u>660</u>	<u>27</u>	<u>660</u>	<u>45</u>	<u>91</u>	<u>27</u>	<u>445</u>	
P11	<u>30</u> <u>670</u>	<u>30</u>	<u>670</u>	<u>50</u>	<u>94</u>	<u>30</u>	<u>456</u>	
P12	<u>55</u> <u>96</u>			<u>55</u>	<u>96</u>	<u>33</u>	<u>465</u>	
P13	<u>58</u> <u>99</u>			<u>58</u>	<u>99</u>			
P14								
P15								
P16								
P17								
P18								
P19								
P20								

A. L. Abercrombie Inc.  
Elmore #4

Test #1  
TKT# 8057





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P. O. Box 793 Gladstone 3-7903

26-15-13W

Company A. L. Abercrombie, Inc. Lease & Well No. Elmore #4  
Elevation 1871 Derrick Floor; Formation - K. C. Ticket Number 8058  
Date Feb. 7, 1965 Sec. 26 Twp. 15s Range 13W County Russell, State Kansas  
Test Approved by Jack K. Wharton Western Representative W. M. Nething

Formation Test No. 2 O.K.  Misrun \_\_\_\_\_ Interval Tested From 3120' to 3145' Total Depth 3145'  
Size Main Hole 6 3/4 Rat Hole \_\_\_\_\_ Conv.  B.T. \_\_\_\_\_ Damaged Yes  No \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged Yes \_\_\_\_\_ No   
Packer Depth 3120 Ft. Size 5 1/2 Packer Depth 3115 Ft. Size 6 3/4  
Straddle Yes \_\_\_\_\_ No  Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged Yes \_\_\_\_\_ No \_\_\_\_\_  
Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_  
Tool Size 4 1/2 OD Tool Jt. Size 4 FH 3 1/2 IF Anchor Length 25 Ft. Size 4 1/2 OD

RECORDERS Depth 3130 Ft. Clock No. 6866 Depth 3132 Ft. Clock No. 127  
Top Make Amerada Cap. 3150 No. 1564 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 17 ~~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 10:20 A M  
Tool Open I.F.P. From 10:24 A M to 10:29 A M Hr. 5 Min. From (B) 35 P.S.I. To (C) 35 P.S.I.  
Tool Closed I.C.I.P. From 10:29 A M. to 10:59 M. Hr. 30 Min. (D) 526 P.S.I.  
Tool Open F.F.P. From 10:59 A M. to 11:59 A M. Hr. 60 Min. From (E) 51 P.S.I. To (F) 100 P.S.I.  
Tool Closed F.C.I.P. From 11:59 A M. to 12:29 A M. Hr. 30 Min. (G) 476 P.S.I.  
Initial Hydrostatic Pressure (A) 1760 P.S.I. Final Hydrostatic Pressure (H) 1745 P.S.I.

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

BLOW Good blow. Bottom Choke Size 3/4 In.  
Did Well Flow Yes  No \_\_\_\_\_ Recovery Total Ft. 420' gas in pipe. 120' slightly oily gas cut watery mud;  
60' muddy water Mud

Reversed Out Yes  No \_\_\_\_\_ Mud Type starch Viscosity 43 Weight 10.3 Maximum Temp. 113 °F  
EXTRA EQUIPMENT: Dual Packers dual 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 2199 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 846 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 55 ft.  
I. D. Drill Collars 2 1/4 in. Length D. S. T. Tool 45 ft.

Remarks \_\_\_\_\_



A.L. Abercrombie Inc.  
Elmore #4

Test # 2.  
TKT# 8058

