



Home Office: Wichita, Kansas 67201  
P. O. Box 1599 (316) 838-0601

9-135-32w

Company A.L. Abercrombie Inc. Lease & Well No. Frey #1

Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 24712

Date 7-21-75 Sec. 9 Twp. 13S Range 32W County Logan State Kansas

Test Approved by Charles Johnson Western Representative W.W. Towns

Formation Test No. 1 O.K.  Misrun  Interval Tested From 4195' to 4225' Total Depth 4225'

Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No

Top Packer Depth 4190 Ft. Size 7 1/2 Bottom Packer Depth 4195 Ft. Size 7 1/2

Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth - Ft. Size -

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 30 Ft. Size 5 1/2 OD Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4217 Ft. Clock No. 6774 Depth 4220 Ft. Clock No. 6806

Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2608 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 6:12 P M

Tool Open I.F.P. From 6:15P M. to 6:45P M. - Hr. 30 Min. From (B) 63 P.S.I. To (C) 63 P.S.I.

Tool Closed I.C.I.P. From 6:45P M. to 7:15P M. - Hr. 30 Min (D) 552 P.S.I.

Tool Open F.F.P. From 7:15P M. to 7:45P M. - Hr. 30 Min. From (E) 63 P.S.I. To (F) 63 P.S.I.

Tool Closed F.C.I.P. From 7:45P M. to 8:15P M. - Hr. 30 Min. (G) 612 P.S.I.

Initial Hydrostatic Pressure (A) 2352 P.S.I. Final Hydrostatic Pressure (H) 2314 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Very weak blow for 5 minutes.

Did Well Flow  Yes  No Recovery Total Ft. 5' drilling mud.

Reversed Out  Yes  No Mud Type Chemical Viscosity 42 Weight 9.8 Water Loss 11.2 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer  Yes Did Packers Hold?  Yes Did Tool Plug?  No Where? -

DRILLING CONTRACTOR SA.L. Abercrombie Length Drill Pipe? 3409 Ft. I.D. Drill Pipe 3 1/2 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe 648 Ft. I.D. Weight Pipe 3 1/2 In. Tool Joint Size 4 1/2 In. Length Drill Collars 118 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 50

Remarks:

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

Date 7-21-75

Test Ticket No. 24712

Recorder No. 2607

Capacity 4150

Location 4217 Ft.

Clock No. 6774

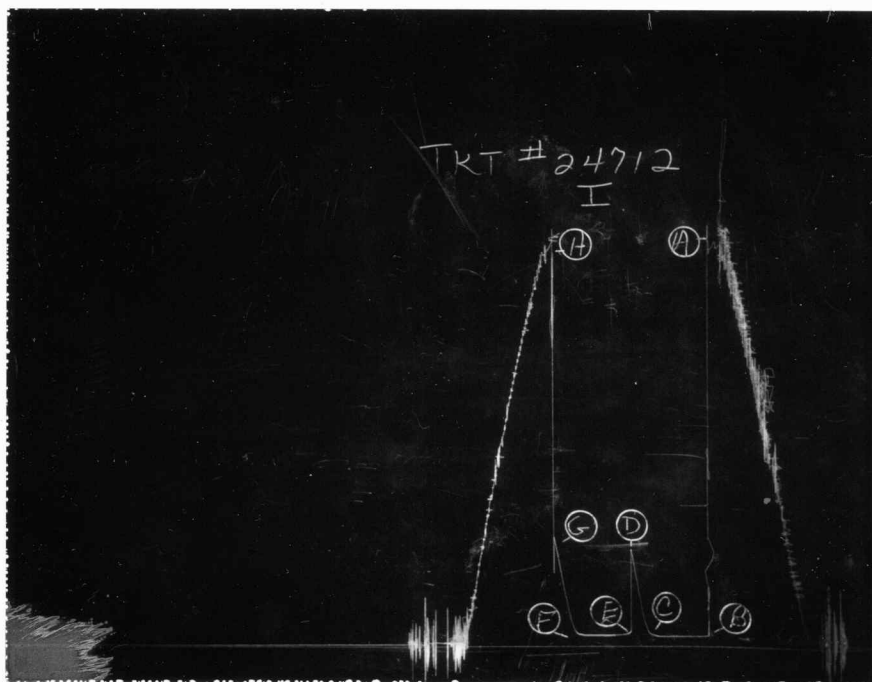
Elevation -

Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2352</u> P.S.I.	Open Tool	<u>6:12 P</u> M	
B First Initial Flow Pressure	<u>63</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>63</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>21</u> Mins.
D Initial Closed-in Pressure	<u>552</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>63</u> P.S.I.			
G Final Closed-in Pressure	<u>612</u> P.S.I.			
H Final Hydrostatic Mud	<u>2314</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>6</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>63</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>63</u>
P 2 <u>5</u>	<u>63</u>	<u>3</u>	<u>67</u>	<u>5</u>	<u>63</u>	<u>3</u>	<u>158</u>
P 3 <u>10</u>	<u>63</u>	<u>6</u>	<u>76</u>	<u>10</u>	<u>63</u>	<u>6</u>	<u>251</u>
P 4 <u>15</u>	<u>63</u>	<u>9</u>	<u>101</u>	<u>15</u>	<u>63</u>	<u>9</u>	<u>326</u>
P 5 <u>20</u>	<u>63</u>	<u>12</u>	<u>190</u>	<u>20</u>	<u>63</u>	<u>12</u>	<u>442</u>
P 6 <u>25</u>	<u>63</u>	<u>15</u>	<u>290</u>	<u>25</u>	<u>63</u>	<u>15</u>	<u>547</u>
P 7 <u>30</u>	<u>63</u>	<u>18</u>	<u>408</u>	<u>30</u>	<u>63</u>	<u>18</u>	<u>612</u>
P 8 <u>35</u>	<u>63</u>	<u>21</u>	<u>552</u>	<u>35</u>	<u>63</u>		
P 9 <u>40</u>	<u>63</u>			<u>40</u>	<u>63</u>		
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	2373	2352	PSI
(B) First Initial Flow Pressure .....	63	63	PSI
(C) First Final Flow Pressure .....	63	63	PSI
(D) Initial Closed-in Pressure .....	549	552	PSI
(E) Second Initial Flow Pressure .....	63	63	PSI
(F) Second Final Flow Pressure .....	63	63	PSI
(G) Final Closed-in Pressure .....	612	612	PSI
(H) Final Hydrostatic Mud .....	2320	2314	PSI



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9-135-32w

Company A.L. Abercrombie Inc. Lease & Well No. Frey #1  
Elevation - Formation Fort Scott Effective Pay - Ft. Ticket No. 24713  
Date 7-22-75 Sec. 9 Twp. 13S Range 32W County Logan State Kansas  
Test Approved by Charles Johnson Western Representative W.W. Towns

Formation Test No. 2 O.K.  Misrun  Interval Tested From 4466' to 4495' Total Depth 4495'  
Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 4461 Ft. Size 7 1/2 Bottom Packer Depth 4466 Ft. Size 7 1/2  
Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth - Ft. Size -  
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 29 Ft. Size 5 1/2 OD Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4488 Ft. Clock No. 6774 Depth 4481 Ft. Clock No. 6806  
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 2608 Inside Outside  
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 11:08 A M  
Tool Open I.F.P. From 11:10A M. to 11:40A M. - Hr. 30 Min. From (B) 36 P.S.I. To (C) 37 P.S.I.  
Tool Closed I.C.I.P. From 11:40A M. to 12:10P M. - Hr. 30 Min (D) 72 P.S.I.  
Tool Open F.F.P. From 12:10R M. to 12:40P M. - Hr. 30 Min. From (E) 54 P.S.I. To (F) 54 P.S.I.  
Tool Closed F.C.I.P. From 12:40P M. to 1:10P M. - Hr. 30 Min. (G) 54 P.S.I.  
Initial Hydrostatic Pressure (A) 2500 P.S.I. Final Hydrostatic Pressure (H) 2368 P.S.I. Maximum Temp. 123

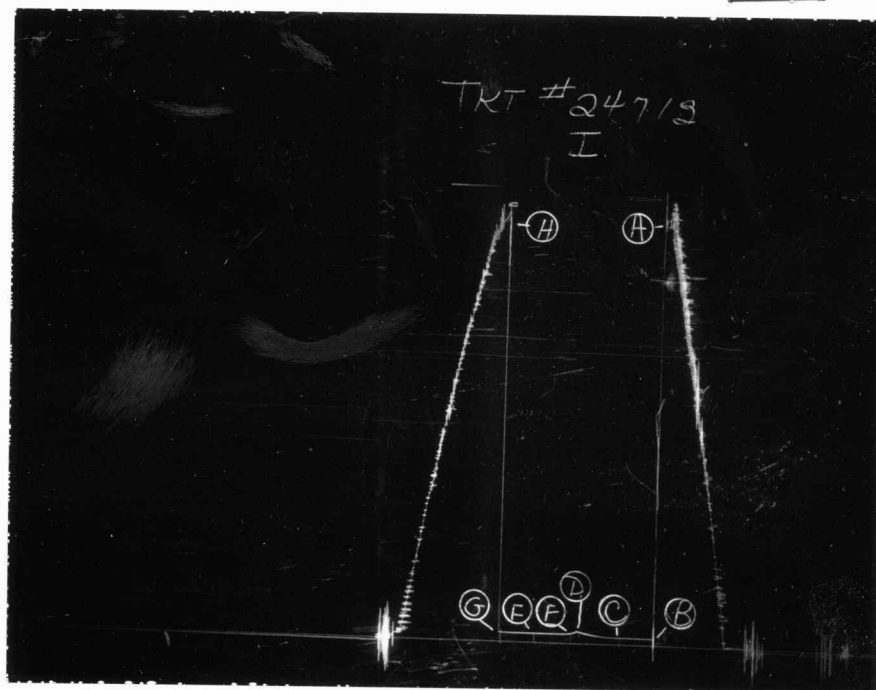
INFORMATION

BLOW Very weak for 5 minutes.  
Did Well Flow - Yes  No  Recovery Total Ft. 5' oil spotted drilling mud.

Reversed Out - Yes  No  Mud Type Chemical Viscosity 43 Weight 9.9 Water Loss 10.8 cc. Chlorides 28000 PPM  
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -  
Dual Packer  Did Packers Hold?  Did Tool Plug?  No  Where? -  
DRILLING CONTRACTOR A.L. Abercrombie Length Drill Pipe? 3680 Ft. I.D. Drill Pipe 3 1/2 In. Tool Joint Size 4 1/2 In.  
Length Weight Pipe 648 Ft. I.D. Weight Pipe 3 1/2 In. Tool Joint Size 4 1/2 In. Length Drill Collars 118 Ft. I.D. Drill Collars 3 1/2 In.  
Tool Joint Size 4 1/2 In. Length D.S.T. Tool 49 Ft.

Remarks:





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	2531	2500	PSI
(B) First Initial Flow Pressure .....	31	36	PSI
(C) First Final Flow Pressure .....	31	37	PSI
(D) Initial Closed-in Pressure .....	84	72	PSI
(E) Second Initial Flow Pressure .....	31	54	PSI
(F) Second Final Flow Pressure .....	31	54	PSI
(G) Final Closed-in Pressure .....	42	54	PSI
(H) Final Hydrostatic Mud .....	2370	2368	PSI