



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

Company Abercrombie Drilling Inc. Lease & Well No. Chambers B-2

Elevation 2385 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 24485

Date 9-20-75 Sec. 13 Twp. 15 Range 26W County Decatur State Kansas

Test Approved by Charles Johnson Western Representative Marvin Printz

Formation Test No. 1 O.K. Misrun Interval Tested From 3183' to 3228' Total Depth 3228'

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

Top Packer Depth 3178 Ft. Size 6 3/4 Bottom Packer Depth 3183 Ft. Size 6 3/4

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 45 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3222 Ft. Clock No. 10434 Depth 3225 Ft. Clock No. 9276 9726

Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

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

Time Set Packer 3:37 A M

Tool Open I.F.P. From 3:40A M. to 4:10A M. - Hr. 30 Min. From (B) 74 P.S.I. To (C) 150 P.S.I.

Tool Closed I.C.I.P. From 4:10A M. to 4:55A M. - Hr. 45 Min (D) 995 P.S.I.

Tool Open F.F.P. From 4:55A M. to 5:55A M. - Hr. 60 Min. From (E) 191 P.S.I. To (F) 310 P.S.I.

Tool Closed F.C.I.P. From 5:55A M. to 6:40A M. - Hr. 45 Min. (G) 972 P.S.I.

Initial Hydrostatic Pressure (A) 1882 P.S.I. Final Hydrostatic Pressure (H) 1863 P.S.I. Maximum Temp. 110

INFORMATION

BLOW Good blow.

Did Well Flow Yes No Recovery Total Ft. 330' slightly oil cut mud, (7% oil) 210' muddy water with scum of oil.

Reversed Out Yes No Mud Type Chemical Viscosity 39 Weight 9.6 Water Loss 8 cc. Chlorides 1800 PPM

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 Abercrombie drilling Inc. Length Drill Pipe? 2334 Ft. I.D. Drill Pipe 2 1/4 In. Tool Joint Size 3 1/2 In.

Length Weight Pipe 829 Ft. I.D. Weight Pipe 2 1/2 In. Tool Joint Size 3 1/2 In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 65 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 9-20-75 Test Ticket No. 24485
 Recorder No. 3085 Capacity 4500 Location 3222 Ft.
 Clock No. 10434 Elevation 2385 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1882</u> P.S.I.	Open Tool	<u>3:37 A</u> M	
B First Initial Flow Pressure	<u>74</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>150</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>995</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>191</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>310</u> P.S.I.			
G Final Closed-in Pressure	<u>972</u> P.S.I.			
H Final Hydrostatic Mud	<u>1863</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>15</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>74</u>	<u>0</u> <u>150</u>	<u>0</u> <u>191</u>	<u>0</u> <u>310</u>			
P 2	<u>5</u> <u>78</u>	<u>3</u> <u>613</u>	<u>5</u> <u>198</u>	<u>3</u> <u>734</u>			
P 3	<u>10</u> <u>93</u>	<u>6</u> <u>771</u>	<u>10</u> <u>216</u>	<u>6</u> <u>815</u>			
P 4	<u>15</u> <u>117</u>	<u>9</u> <u>841</u>	<u>15</u> <u>219</u>	<u>9</u> <u>848</u>			
P 5	<u>20</u> <u>121</u>	<u>12</u> <u>874</u>	<u>20</u> <u>227</u>	<u>12</u> <u>874</u>			
P 6	<u>25</u> <u>129</u>	<u>15</u> <u>902</u>	<u>25</u> <u>236</u>	<u>15</u> <u>895</u>			
P 7	<u>30</u> <u>150</u>	<u>18</u> <u>925</u>	<u>30</u> <u>250</u>	<u>18</u> <u>906</u>			
P 8		<u>21</u> <u>941</u>	<u>35</u> <u>260</u>	<u>21</u> <u>918</u>			
P 9		<u>24</u> <u>953</u>	<u>40</u> <u>267</u>	<u>24</u> <u>927</u>			
P10		<u>27</u> <u>960</u>	<u>45</u> <u>279</u>	<u>27</u> <u>934</u>			
P11		<u>30</u> <u>969</u>	<u>50</u> <u>291</u>	<u>30</u> <u>939</u>			
P12		<u>33</u> <u>974</u>	<u>55</u> <u>301</u>	<u>33</u> <u>944</u>			
P13		<u>36</u> <u>979</u>	<u>60</u> <u>310</u>	<u>36</u> <u>951</u>			
P14		<u>39</u> <u>983</u>		<u>39</u> <u>958</u>			
P15		<u>42</u> <u>988</u>		<u>42</u> <u>962</u>			
P16		<u>45</u> <u>995</u>		<u>45</u> <u>972</u>			
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1868	1882	PSI
(B) First Initial Flow Pressure	71	74	PSI
(C) First Final Flow Pressure	155	150	PSI
(D) Initial Closed-in Pressure	1002	995	PSI
(E) Second Initial Flow Pressure	203	191	PSI
(F) Second Final Flow Pressure	310	310	PSI
(G) Final Closed-in Pressure	955	972	PSI
(H) Final Hydrostatic Mud	1855	1863	PSI



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Abercrombie Drilling Inc.

Chambers B-2

Company _____ Lease & Well No. _____

Elevation **2385 Kelly Bush.** Formation **Kansas City** Effective Pay _____ Ft. Ticket No. **24486**

Date **9-20-75** Sec. **13** Twp. **15** Range **26W** County **Decatur** State **Kansas**

Test Approved by **Charles Johnson** Western Representative **Marvin Printz**

Formation Test No. **2** O.K. Misrun Interval Tested From **3238'** to **3260'** Total Depth **3260'**

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

Top Packer Depth **3233** Ft. Size **6 3/4** Bottom Packer Depth **3238** Ft. Size **6 3/4**

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 **22** Ft. Size **5 1/2 OD** Surface Choke Size **3/4** In. Bottom Choke Size **3/4** In.

RECORDERS Depth **3254** Ft. Clock No. **10434** Depth **3257** Ft. Clock No. **9726**

Top Make **Kuster** Cap. **4500** No. **3085** Inside Outside **---** Bottom Make **Kuster** Cap. **4200** No. **1558** Inside Outside **---**

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside Outside _____

Time Set Packer **4:12 P** M

Tool Open I.F.P. From **4:15P** M. to **4:45P** M. - Hr. **30** Min. From (B) **21** P.S.I. To (C) **21** P.S.I.

Tool Closed I.C.I.P. From **4:45P** M. to **5:30P** M. - Hr. **45** Min (D) **26** P.S.I.

Tool Open F.F.P. From **5:30P** M. to **6:00P** M. - Hr. **30** Min. From (E) **21** P.S.I. To (F) **21** P.S.I.

Tool Closed F.C.I.P. From **6:00P** M. to **6:45P** M. - Hr. **45** Min. (G) **21** P.S.I.

Initial Hydrostatic Pressure (A) **1672** P.S.I. Final Hydrostatic Pressure (H) **1647** P.S.I. Maximum Temp. **100**

INFORMATION

BLOW **Weak blow for 20 minutes.**

Did Well Flow Yes No Recovery Total Ft. **10' drilling mud with oil specks**

Reversed Out Yes No Mud Type **Chemical** Viscosity **38** Weight **9.6** Water Loss **10.2** cc. Chlorides **1600 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 **Abercrombie Drilling Inc.** Length Drill Pipe? **2389** Ft. I.D. Drill Pipe **2.5** In. Tool Joint Size **3.5** In.

Length Weight Pipe **829** Ft. I.D. Weight Pipe **2.5** In. Tool Joint Size **3.5** In. Length Drill Collars _____ Ft. I.D. Drill Collars _____ In.

Tool Joint Size _____ In. Length D.S.T. Tool **42** Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 9-20-75 Test Ticket No. 24486
 Recorder No. 3085 Capacity 4500 Location 3254 Ft.
 Clock No. 10434 Elevation 2385 Kelly Bushing Well Temperature 100 °F

Point	Pressure		Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	1672	P.S.I.		4:12 P	M
B First Initial Flow Pressure	21	P.S.I.	First Flow Pressure	30	Mins. 30 Mins.
C First Final Flow Pressure	21	P.S.I.	Initial Closed-in Pressure	45	Mins. 45 Mins.
D Initial Closed-in Pressure	26	P.S.I.	Second Flow Pressure	30	Mins. 30 Mins.
E Second Initial Flow Pressure	21	P.S.I.	Final Closed-in Pressure	45	Mins. 45 Mins.
F Second Final Flow Pressure	21	P.S.I.			
G Final Closed-in Pressure	21	P.S.I.			
H Final Hydrostatic Mud	1647	P.S.I.			

PRESSURE BREAKDOWN

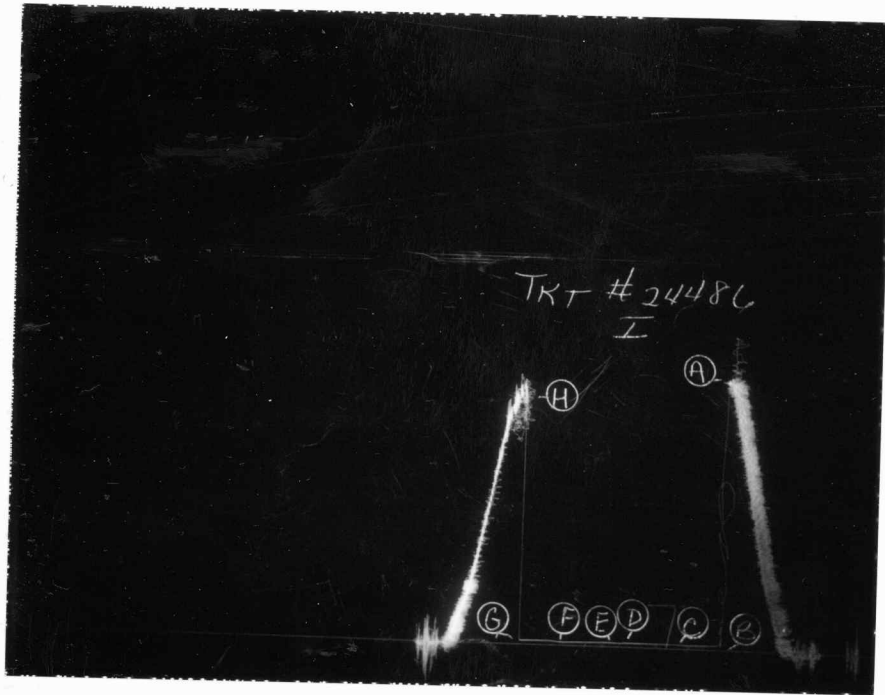
First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	21	0	21	0	21	0	21
P 2	5	21	3	26	5	21	3	21
P 3	10	21	6	26	10	21	6	21
P 4	15	21	9	26	15	21	9	21
P 5	20	21	12	26	20	21	12	21
P 6	25	21	15	26	25	21	15	21
P 7	30	21	18	26	30	21	18	21
P 8			21	26			21	21
P 9			24	26			24	21
P10			27	26			27	21
P11			30	26			30	21
P12			33	26			33	21
P13			36	26			36	21
P14			39	26			39	21
P15			42	26			42	21
P16			45	26			45	21
P17								
P18								
P19								
P20								



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1649	1672	PSI
(B) First Initial Flow Pressure	11	21	PSI
(C) First Final Flow Pressure	11	21	PSI
(D) Initial Closed-in Pressure	23	26	PSI
(E) Second Initial Flow Pressure	11	21	PSI
(F) Second Final Flow Pressure	11	21	PSI
(G) Final Closed-in Pressure	11	21	PSI
(H) Final Hydrostatic Mud	1638	1647	PSI



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Company Abercrombie Drilling Inc. Lease & Well No. Chambers B-2

Elevation 2385 Kelly Buhh. Formation Kansas City Effective Pay - Ft. Ticket No. 24487

Date 9-21-75 Sec. 13 Twp. 1S Range 26W County Decatur State Kansas

Test Approved by Charles Johnson Western Representative Marvin Printz

Formation Test No. 3 O.K. Misrun Interval Tested From 303238' to 3270' Total Depth 3270'

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

Top Packer Depth 3233 Ft. Size 6 3/4 Bottom Packer Depth 3238 Ft. Size 6 3/4

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 32 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3264 Ft. Clock No. 10434 Depth 3267 Ft. Clock No. 9726

Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

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

Time Set Packer 12:27 P M

Tool Open I.F.P. From 12:30P M. to 1:00P M. - Hr. 30 Min. From (B) 47 P.S.I. To (C) 83 P.S.I.

Tool Closed I.C.I.P. From 1:00P M. to 1:45P M. - Hr. 45 Min (D) 1057 P.S.I.

Tool Open F.F.P. From 1:45P M. to 2:45P M. - Hr. 60 Min. From (E) 102 P.S.I. To (F) 172 P.S.I.

Tool Closed F.C.I.P. From 2:45P M. to 3:30P M. - Hr. 45 Min. (G) 1023 P.S.I.

Initial Hydrostatic Pressure (A) 1711 P.S.I. Final Hydrostatic Pressure (H) 1681 P.S.I. Maximum Temp. 100

INFORMATION

BLOW Fair blow (steady) throughout test.

Did Well Flow Yes No Recovery Total Ft. 180' slightly oil cut mud.

Reversed Out Yes No Mud Type Chemical Viscosity 38 Weight 9.6 Water Loss 10.2 cc. Chlorides 1600 PPM

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 Abercrombie Drilling Inc. Length Drill Pipe? 2389 Ft. I.D. Drill Pipe 3 1/2 In. Tool Joint Size 2 1/2 In.

Length Weight Pipe 829 Ft. I.D. Weight Pipe 3 1/2 In. Tool Joint Size 2 1/2 In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 52 Ft.

Remarks:

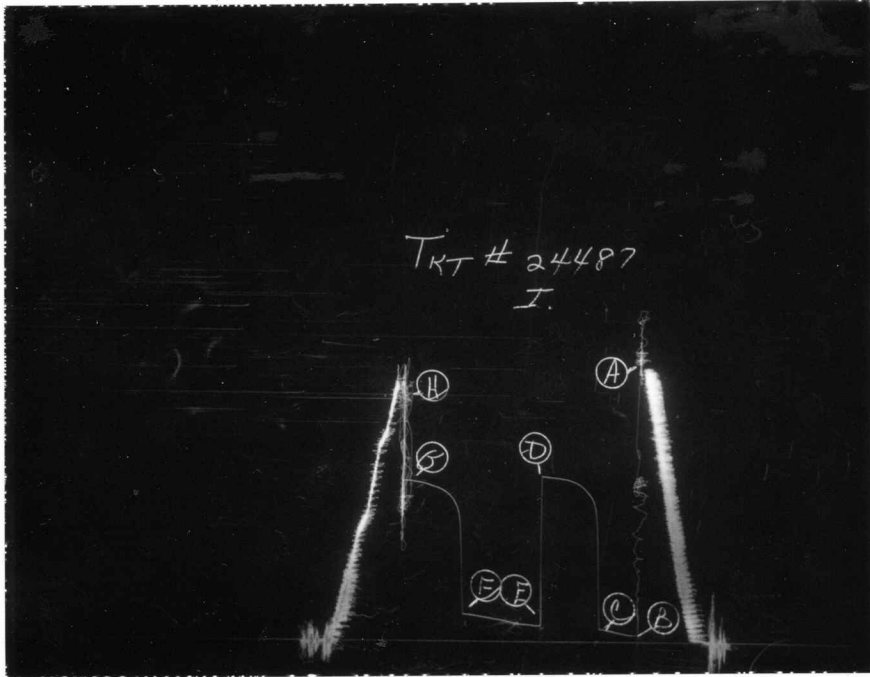
WESTERN TESTING CO., INC.
Pressure Data

Date 9-21-75 Test Ticket No. 24487
 Recorder No. 3085 Capacity 4500 Location 3264 Ft.
 Clock No. 10434 Elevation 2385 Kelly Basin Bushing Well Temperature 100 °F

Point	Pressure		Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1711</u>	P.S.I.		<u>12:27 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>47</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>83</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1057</u>	P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>102</u>	P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>172</u>	P.S.I.			
G Final Closed-in Pressure	<u>1023</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1681</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>15</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>0</u>	<u>83</u>	<u>0</u>	<u>102</u>	<u>0</u>	<u>172</u>
P 2	<u>5</u>	<u>3</u>	<u>792</u>	<u>5</u>	<u>102</u>	<u>3</u>	<u>662</u>
P 3	<u>10</u>	<u>6</u>	<u>911</u>	<u>10</u>	<u>109</u>	<u>6</u>	<u>850</u>
P 4	<u>15</u>	<u>9</u>	<u>946</u>	<u>15</u>	<u>112</u>	<u>9</u>	<u>906</u>
P 5	<u>20</u>	<u>12</u>	<u>976</u>	<u>20</u>	<u>119</u>	<u>12</u>	<u>934</u>
P 6	<u>25</u>	<u>15</u>	<u>995</u>	<u>25</u>	<u>129</u>	<u>15</u>	<u>955</u>
P 7	<u>30</u>	<u>18</u>	<u>1011</u>	<u>30</u>	<u>138</u>	<u>18</u>	<u>974</u>
P 8		<u>21</u>	<u>1023</u>	<u>35</u>	<u>145</u>	<u>21</u>	<u>983</u>
P 9		<u>24</u>	<u>1032</u>	<u>40</u>	<u>150</u>	<u>24</u>	<u>988</u>
P10		<u>27</u>	<u>1039</u>	<u>45</u>	<u>157</u>	<u>27</u>	<u>997</u>
P11		<u>30</u>	<u>1041</u>	<u>50</u>	<u>164</u>	<u>30</u>	<u>1006</u>
P12		<u>33</u>	<u>1046</u>	<u>55</u>	<u>169</u>	<u>33</u>	<u>1013</u>
P13		<u>36</u>	<u>1050</u>	<u>60</u>	<u>172</u>	<u>36</u>	<u>1016</u>
P14		<u>39</u>	<u>1053</u>			<u>39</u>	<u>1023</u>
P15		<u>42</u>	<u>1055</u>			<u>42</u>	<u>1023</u>
P16		<u>45</u>	<u>1057</u>			<u>45</u>	<u>1023</u>
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

PRESSURE

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1700	1711	PSI
(B) First Initial Flow Pressure	47	47	PSI
(C) First Final Flow Pressure	71	83	PSI
(D) Initial Closed-in Pressure	1036	1057	PSI
(E) Second Initial Flow Pressure	95	102	PSI
(F) Second Final Flow Pressure	155	172	PSI
(G) Final Closed-in Pressure	1013	1023	PSI
(H) Final Hydrostatic Mud	1695	1681	PSI



Home Office: Wichita, Kansas 67201
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Company Abercrombie Drilling Inc. Lease & Well No. Chambers B-2

Elevation 2385 Kelly Bush. Formation Pennsylvanian Sand Effective Pay - Ft. Ticket No. 24488

Date 9-22-75 Sec. 13 Twp. 1S Range 26W County Decatur State Kansas

Test Approved by Charles Johnson Western Representative Marvin Printz

Formation Test No. 4 O.K. Misrun Interval Tested From 3475' to 3525 3524' Total Depth 3524'

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

Top Packer Depth 3470 Ft. Size 6 3/4 Bottom Packer Depth 3475 Ft. Size 6 3/4

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 49 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3518 Ft. Clock No. 10434 Depth 3521 Ft. Clock No. 9726

Top Make Kuster Cap. 4500 No. 3085 Inside Bottom Make Kuster Cap. 4200 No. 1558 Inside

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

Time Set Packer 6:27 P M

Tool Open I.F.P. From 6:30P M. to 7:00P M. - Hr. 30 Min. From (B) 47 P.S.I. To (C) 47 P.S.I.

Tool Closed I.C.I.P. From 7:00P M. to 7:45P M. - Hr. 45 Min (D) 69 P.S.I.

Tool Open F.F.P. From 7:45P M. to 8:15P M. - Hr. 30 Min. From (E) 54 P.S.I. To (F) 52 P.S.I.

Tool Closed F.C.I.P. From 8:15P M. to 9:00P M. - Hr. 45 Min. (G) 57 P.S.I.

Initial Hydrostatic Pressure (A) 1831 P.S.I. Final Hydrostatic Pressure (H) 1789 P.S.I. Maximum Temp. 100

INFORMATION

BLOW Weak blow for 7 minutes.

Did Well Flow Yes No Recovery Total Ft. 10' drilling mud.

Reversed Out Yes No Mud Type Chemical Viscosity 39 Weight 9.8 Water Loss 12 cc. Chlorides 2000 PPM

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 Abercrombie Drilling Inc. Length Drill Pipe? 2626 Ft. I.D. Drill Pipe 32.5 In. Tool Joint Size 3.5 In.

Length Weight Pipe 829 Ft. I.D. Weight Pipe 2.5 In. Tool Joint Size 3.5 In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 69 Ft.

Remarks: Flushed tool.

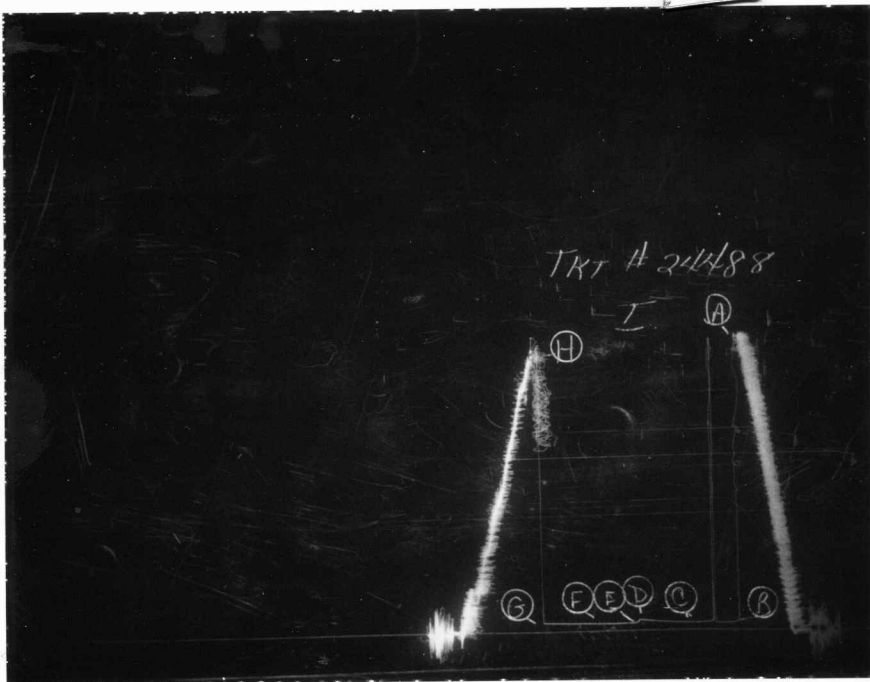
WESTERN TESTING CO., INC.
Pressure Data

Date 9-22-75 Test Ticket No. 24488
 Recorder No. 3085 Capacity 4500 Location 3518 Ft.
 Clock No. 10434 Elevation 2385 Kelly Bushing Well Temperature 100 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1831</u> P.S.I.	Open Tool	<u>6:27 A</u> M	
B First Initial Flow Pressure	<u>47</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>47</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>69</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>54</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.			
G Final Closed-in Pressure	<u>57</u> P.S.I.			
H Final Hydrostatic Mud	<u>1789</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		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>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>47</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>52</u>	
P 2 <u>5</u>	<u>47</u>	<u>3</u>	<u>52</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>52</u>	
P 3 <u>10</u>	<u>47</u>	<u>6</u>	<u>52</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>52</u>	
P 4 <u>15</u>	<u>47</u>	<u>9</u>	<u>52</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>52</u>	
P 5 <u>20</u>	<u>47</u> Flushed tool	<u>12</u>	<u>52</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>52</u>	
P 6 <u>25</u>	<u>47</u>	<u>15</u>	<u>54</u>	<u>25</u>	<u>52</u>	<u>15</u>	<u>57</u>	
P 7 <u>30</u>	<u>47</u>	<u>18</u>	<u>57</u>	<u>30</u>	<u>52</u>	<u>18</u>	<u>57</u>	
P 8		<u>21</u>	<u>57</u>			<u>21</u>	<u>57</u>	
P 9		<u>24</u>	<u>57</u>			<u>24</u>	<u>57</u>	
P10		<u>27</u>	<u>57</u>			<u>27</u>	<u>57</u>	
P11		<u>30</u>	<u>62</u>			<u>30</u>	<u>57</u>	
P12		<u>33</u>	<u>62</u>			<u>33</u>	<u>57</u>	
P13		<u>36</u>	<u>69</u>			<u>36</u>	<u>57</u>	
P14		<u>39</u>	<u>69</u>			<u>39</u>	<u>57</u>	
P15		<u>42</u>	<u>69</u>			<u>42</u>	<u>57</u>	
P16		<u>45</u>	<u>69</u>			<u>45</u>	<u>57</u>	
P17		<u>48</u>	<u>69</u>					
P18								
P19								
P20								



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1810	1831	PSI
(B) First Initial Flow Pressure	35	47	PSI
(C) First Final Flow Pressure	35	47	PSI
(D) Initial Closed-in Pressure	47	69	PSI
(E) Second Initial Flow Pressure	35	54	PSI
(F) Second Final Flow Pressure	35	52	PSI
(G) Final Closed-in Pressure	35	57	PSI
(H) Final Hydrostatic Mud	1799	1789	PSI