



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

Company Abercrombie Drilling Inc. Lease & Well No. Metcalf #1
Elevation 2456 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 24464
Date 10-20-75 Sec. 22 Twp. 1S Range 27W County Decatur State Kansas
Test Approved by Jack. K. Wharton Western Representative Don Burgett

Formation Test No. 1 O.K. Misrun Interval Tested From 3120' to 3165' Total Depth 3165'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3115 Ft. Size 63/4 Bottom Packer Depth 3120 Ft. Size 63/4
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 3157 Ft. Clock No. 6893 Depth 3160 Ft. Clock No. 10412
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4000 No. 3351 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 11:27 P
M

Tool Open I.F.P. From 11:30 PM. to 12:00AM. - Hr. 30 in. From (B) 30 P.S.I. To (C) 31 P.S.I.
Tool Closed I.C.I.P. From 12:00AM. to 12:45AM. - Hr. 45 Min (D) 1026 P.S.I.
Tool Open F.F.P. From 12:45AM. to 1:45 M. - Hr. 60 Min. From (E) 55 P.S.I. To (F) 60 P.S.I.
Tool Closed F.C.I.P. From 1:45AM. to 2:30AM. - Hr. 45 Min. (G) 970 P.S.I.
Initial Hydrostatic Pressure (A) 1615 P.S.I. Final Hydrostatic Pressure (H) 1592 P.S.I. Maximum Temp. 117

INFORMATION

BLOW Weak steady blow throughout test

Did Well Flow Yes No Recovery Total Ft. 100' Muddy salt water

Reversed Out Yes No Mud Type chem Viscosity 37 Weight 9.7 Water Loss 12. cc. Chlorides 1700 P.P.M.

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

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Abercrombie Drlg. Inc. Length Drill Pipe? 2144 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 921 Ft. I.D. Weight Pipe 2.5 In. Tool Joint Size 3 1/2 IF 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.

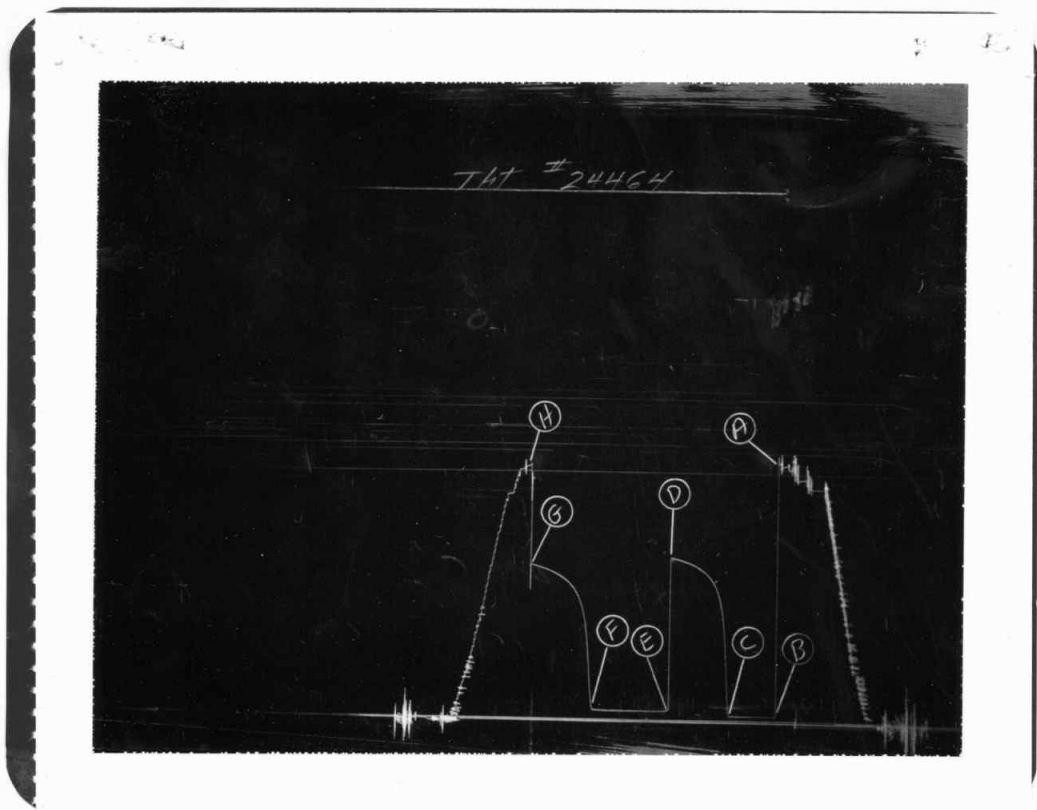
Pressure Data

Date 10-20-75 Test Ticket No. 24464
 Recorder No. 3086 Capacity 4500 Location 3157 Ft.
 Clock No. 6893 Elevation 2456 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1615	P.S.I.	11:27	P M
B First Initial Flow Pressure	30	P.S.I.	30	Mins. 35 Mins.
C First Final Flow Pressure	31 1026	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	1026	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	55	P.S.I.	45	Mins. 48 Mins.
F Second Final Flow Pressure	60	P.S.I.		
G Final Closed-in Pressure	970	P.S.I.		
H Final Hydrostatic Mud	1592	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>16</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>30</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>399</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>325</u>
P 3 <u>10</u>	<u>31</u>	<u>6</u>	<u>674</u>	<u>10</u>	<u>57</u>	<u>6</u>	<u>590</u>
P 4 <u>15</u>	<u>31</u>	<u>9</u>	<u>792</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>701</u>
P 5 <u>20</u>	<u>31</u>	<u>12</u>	<u>853</u>	<u>20</u>	<u>57</u>	<u>12</u>	<u>767</u>
P 6 <u>25</u>	<u>31</u>	<u>15</u>	<u>893</u>	<u>25</u>	<u>57</u>	<u>15</u>	<u>810</u>
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>922</u>	<u>30</u>	<u>57</u>	<u>18</u>	<u>839</u>
P 8 <u>35</u>	<u>31</u>	<u>21</u>	<u>942</u>	<u>35</u>	<u>57</u>	<u>21</u>	<u>865</u>
P 9		<u>24</u>	<u>958</u>	<u>40</u>	<u>57</u>	<u>24</u>	<u>885</u>
P10		<u>27</u>	<u>973</u>	<u>45</u>	<u>57</u>	<u>27</u>	<u>901</u>
P11		<u>30</u>	<u>985</u>	<u>50</u>	<u>58</u>	<u>30</u>	<u>915</u>
P12		<u>33</u>	<u>995</u>	<u>55</u>	<u>59</u>	<u>33</u>	<u>927</u>
P13		<u>36</u>	<u>1003</u>	<u>60</u>	<u>60</u>	<u>36</u>	<u>937</u>
P14		<u>39</u>	<u>1012</u>			<u>39</u>	<u>946</u>
P15		<u>42</u>	<u>1017</u>			<u>42</u>	<u>955</u>
P16		<u>45</u>	<u>1026</u>			<u>45</u>	<u>961</u>
P17						<u>48</u>	<u>970</u>
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1624	1615	PSI
(B) First Initial Flow Pressure	35	30	PSI
(C) First Final Flow Pressure	35	31	PSI
(D) Initial Closed-in Pressure	1032	1026	PSI
(E) Second Initial Flow Pressure	59	55	PSI
(F) Second Final Flow Pressure	71	60	PSI
(G) Final Closed-in Pressure	974	970	PSI
(H) Final Hydrostatic Mud	1612	1592	PSI



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Elevation 2456 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 24465
Date 10-21-75 Sec. 22 Twp. 1S Range 27W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Don Burgett

Formation Test No. 2 O.K. Misrun Interval Tested From 3164' to 3210' Total Depth 3210'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3159 Ft. Size 63/4 Bottom Packer Depth 3164 Ft. Size 63/4
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 46 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3203 Ft. Clock No. 6893 Depth 3206 Ft. Clock No. 10412
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4000 No. 3351 Inside Outside
Below Straddle: Depth Rec. No. Clock No. Inside Outside Depth Ft. Rec. No. Clock No. Inside Outside

Time Set Packer 1:27 P M
Tool Open I.F.P. From 1:30 P M. to 2:00P M. - Hr. 30 Min. From (B) 33 P.S.I. To (C) 70 P.S.I.
Tool Closed 2:00 P.M. From 2:00P M. to 2:45P M. - Hr. 45 Min (D) 1058 P.S.I.
Tool Open F.F.P. From 2:45 P.M. to 3:45P M. - Hr. 60 Min. From (E) 100 P.S.I. To (F) 161 P.S.I.
Tool Closed F.C.I.P. From 3:45P M. to 4:45P M. - Hr. 60 Min. (G) 1050 P.S.I.
Initial Hydrostatic Pressure (A) 1654 P.S.I. Final Hydrostatic Pressure (H) 1640 P.S.I. Maximum Temp. 118

INFORMATION

BLOW W Weak increasing to good, on initial period. Weak blow on final flow period.

Did Well Flow Yes No Recovery Total Ft. 365' water cut drilling mud.

Reversed Out Yes No Mud Type chem Viscosity 43 Weight 9.8 Water Loss 11.2 cc. Chlorides 17,000 P.P.M.

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 Drlg. Inc. Length Drill Pipe? 2223 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 924 Ft. I.D. Weight Pipe 2.5 In. Tool Joint Size 3 1/2 IF In. Length Drill Collars Ft. I.D. Drill Collars In.
Tool Joint Size In. Length D.S.T. Tool 66 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-21-75 Test Ticket No. 24465
 Recorder No. 3086 Capacity 4500 Location 3203 Ft.
 Clock No. 6893 Elevation 2456 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1654</u> P.S.I.	Open Tool	<u>1:27</u> P M	
B First Initial Flow Pressure	<u>33</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>33</u> Mins.
C First Final Flow Pressure	<u>70</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1058</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>100</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>161</u> P.S.I.			
G Final Closed-in Pressure	<u>1050</u> P.S.I.			
H Final Hydrostatic Mud	<u>1640</u> P.S.I.			

PRESSURE BREAKDOWN

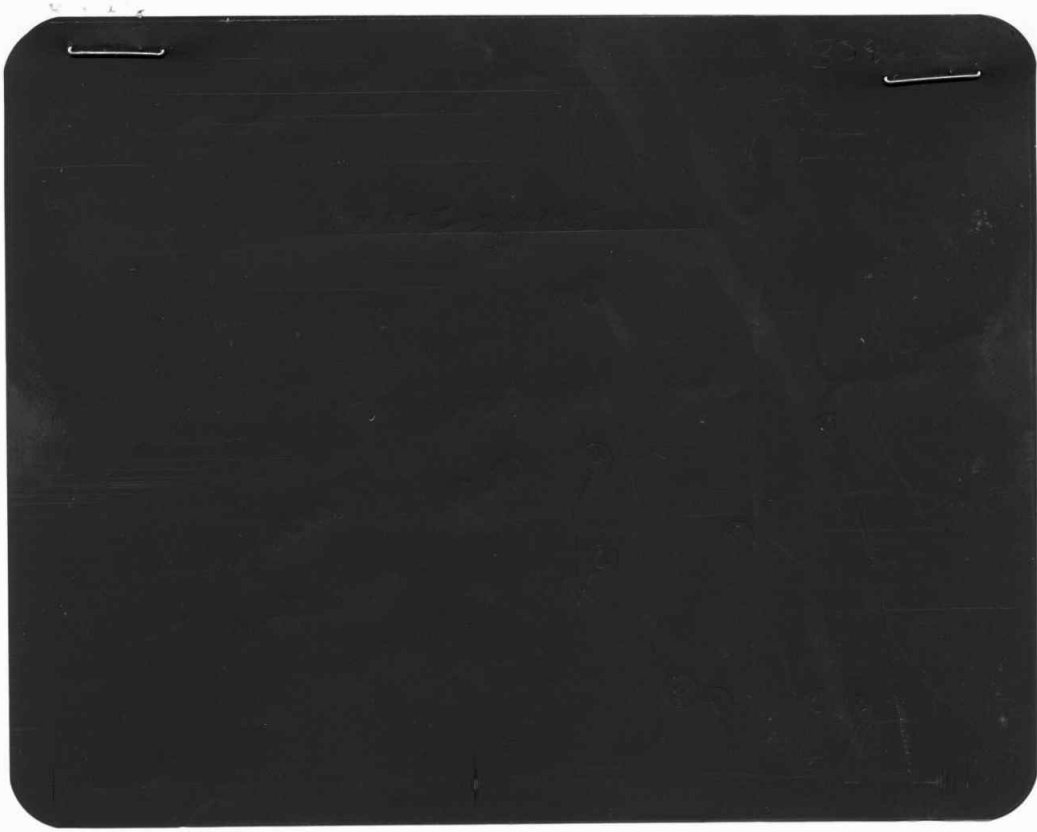
First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 3 Min.

Initial Shut-In
 Breakdown: 14 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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 <u>0</u>	<u>33</u>	<u>0</u>	<u>70</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>161</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>793</u>	<u>5</u>	<u>100</u>	<u>3</u>	<u>737</u>
P 3 <u>10</u>	<u>34</u>	<u>6</u>	<u>887</u>	<u>10</u>	<u>100</u>	<u>6</u>	<u>844</u>
P 4 <u>15</u>	<u>43</u>	<u>9</u>	<u>932</u>	<u>15</u>	<u>107</u>	<u>9</u>	<u>886</u>
P 5 <u>20</u>	<u>52</u>	<u>12</u>	<u>958</u>	<u>20</u>	<u>112</u>	<u>12</u>	<u>917</u>
P 6 <u>25</u>	<u>62</u>	<u>15</u>	<u>983</u>	<u>25</u>	<u>119</u>	<u>15</u>	<u>938</u>
P 7 <u>30</u>	<u>67</u>	<u>18</u>	<u>995</u>	<u>30</u>	<u>125</u>	<u>18</u>	<u>956</u>
P 8 <u>33</u>	<u>70</u>	<u>21</u>	<u>1009</u>	<u>35</u>	<u>133</u>	<u>21</u>	<u>969</u>
P 9 _____	_____	<u>24</u>	<u>1021</u>	<u>40</u>	<u>140</u>	<u>24</u>	<u>981</u>
P10 _____	_____	<u>27</u>	<u>1030</u>	<u>45</u>	<u>147</u>	<u>27</u>	<u>990</u>
P11 _____	_____	<u>30</u>	<u>1038</u>	<u>50</u>	<u>153</u>	<u>30</u>	<u>1000</u>
P12 _____	_____	<u>33</u>	<u>1045</u>	<u>55</u>	<u>159</u>	<u>33</u>	<u>1007</u>
P13 _____	_____	<u>36</u>	<u>1051</u>	<u>60</u>	<u>161</u>	<u>36</u>	<u>1014</u>
P14 _____	_____	<u>39</u>	<u>1056</u>	_____	_____	<u>39</u>	<u>1020</u>
P15 _____	_____	<u>42</u>	<u>1058</u>	_____	_____	<u>42</u>	<u>1025</u>
P16 _____	_____	_____	_____	_____	_____	<u>45</u>	<u>1031</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>1035</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>1039</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>1044</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>1048</u>
						<u>60</u>	<u>1050</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1647	1654	PSI
(B) First Initial Flow Pressure	35	33	PSI
(C) First Final Flow Pressure	64	70	PSI
(D) Initial Closed-in Pressure	1055	1058	PSI
(E) Second Initial Flow Pressure	100	100	PSI
(F) Second Final Flow Pressure	153	161	PSI
(G) Final Closed-in Pressure	1044	1050	PSI
(H) Final Hydrostatic Mud	1635	1640	PSI



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Company Abercrombie Drilling Inc. Lease & Well No. Metcalf #1
Elevation 2456 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No 24466
Date 10-22-75 Sec. 22 Twp. 1S Range 27W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Don Burgett

Formation Test No. 3 O.K. Misrun Interval Tested From 3310' to 3340' Total Depth 3340'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3305 Ft. Size 63/4 Bottom Packer Depth 3310 Ft. Size 63/4
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 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3333 Ft. Clock No. 6893 Depth 3336 Ft. Clock No. 10412
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4000 No. 3351 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 1:57 P M
Tool Open I.F.P. From 2:00P M. to 2:30P M. - Hr. 30 Min. From (B) 50 P.S.I. To (C) 161 P.S.I.
Tool Closed I.C.I.P. From 2:30PM to 3:15P M. - Hr. 45 Min (D) 946 P.S.I.
Tool Open F.F.P. From 3:15P M. to 5:30 PM - Hr. 135 Min. From (E) 213 P.S.I. To (F) 368 P.S.I.
Tool Closed F.C.I.P. From 5:30PM to 6:30 PM - Hr. 60 Min. (G) 823 P.S.I.
Initial Hydrostatic Pressure (A) 1774 P.S.I. Final Hydrostatic Pressure (H) 1762 P.S.I. Maximum Temp. 119

INFORMATION

BLOW Good blow throughout the test.

Did Well Flow Yes No Recovery Total Ft. 765' Gassy oil (29 gravity corrected), 120' very heavy oil cut mud.

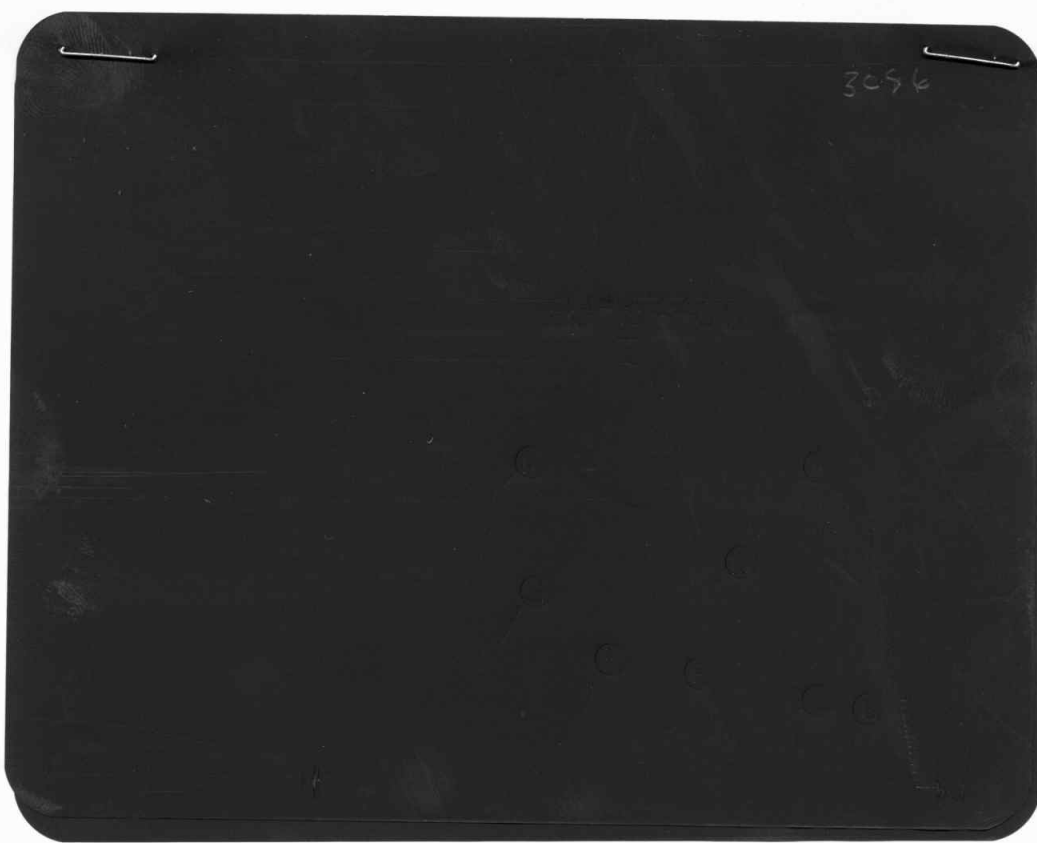
Reversed Out Yes No Mud Type chem Viscosity 47 Weight 9.9 Water Loss 12.4 cc. Chlorides 2100 P.P.M.

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 Drlg. Inc. Length Drill Pipe? 2369 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 921 Ft. I.D. Weight Pipe 2.5 In. Tool Joint Size 3 1/2 IF In. Length Drill Collars - Ft. I.D. Drill Collars - In.
Tool Joint Size - In. Length D.S.T. Tool 50 Ft.

Remarks:



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1727	1774	PSI
(B) First Initial Flow Pressure	42	50	PSI
(C) First Final Flow Pressure	142	161	PSI
(D) Initial Closed-in Pressure	939	946	PSI
(E) Second Initial Flow Pressure	177	213	PSI
(F) Second Final Flow Pressure	343	368	PSI
(G) Final Closed-in Pressure	811	823	PSI
(H) Final Hydrostatic Mud	1716	1762	PSI



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Company Abercrombie Drilling Inc. Lease & Well No. Metcalf #1
 Elevation 2456 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 24467
 Date 10-23-75 Sec. 22 Twp. 1S Range 27W County Decatur State Kansas
 Test Approved by Jack K Wharton Western Representative Don Burgett
 Formation Test No. 4 O.K. Misrun Interval Tested From 3359' to 3375' Total Depth 3375'
 Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3356 Ft. Size 63/4 Bottom Packer Depth 3359 Ft. Size 63/4
 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 16 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 3370 Ft. Clock No. 6893 Depth 3373 Ft. Clock No. 10412
 Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4000 No. 3351 Inside Outside
 Below Straddle: Depth Rec. No. Clock No. Inside Outside Depth Ft. Rec. No. Clock No. Inside Outside
 Time Set Packer 4:57 A M
 Tool Open I.F.P. From 5:00 A M. to 5:30 A M. - Hr. 30 Min. From (B) 23 P.S.I. To (C) 134 P.S.I.
 Tool Closed I.C.I.P. From 5:30 A M. to 6:15 A M. - Hr. 45 Min (D) 900 P.S.I.
 Tool Open F.F.P. From 6:15 A M. to 7:15 A M. - Hr. 60 Min. From (E) 184 P.S.I. To (F) 429 P.S.I.
 Tool Closed F.C.I.P. From 7:15 A M. to 8:00 A M. - Hr. 45 Min. (G) 748 P.S.I.
 Initial Hydrostatic Pressure (A) 1785 P.S.I. Final Hydrostatic Pressure (H) 1728 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Good blow throughout test.
 Did Well Flow Yes No Recovery Total Ft. 240' very slightly oil and water cut drilling mud,
540' very slightly oil cut muddy water
 Reversed Out Yes No Mud Type Chem Viscosity 47 Weight 9.9 Water Loss 12.4 cc. Chlorides 21,000 P.P.M.
 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 Drlg. Inc. Length Drill Pipe? 2418 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
 Length Weight Pipe 921 Ft. I.D. Weight Pipe 2.5 In. Tool Joint Size 3 1/2 IF In. Length Drill Collars Ft. I.D. Drill Collars In.
 Tool Joint Size In. Length D.S.T. Tool Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-23-75

Test Ticket No. 24467

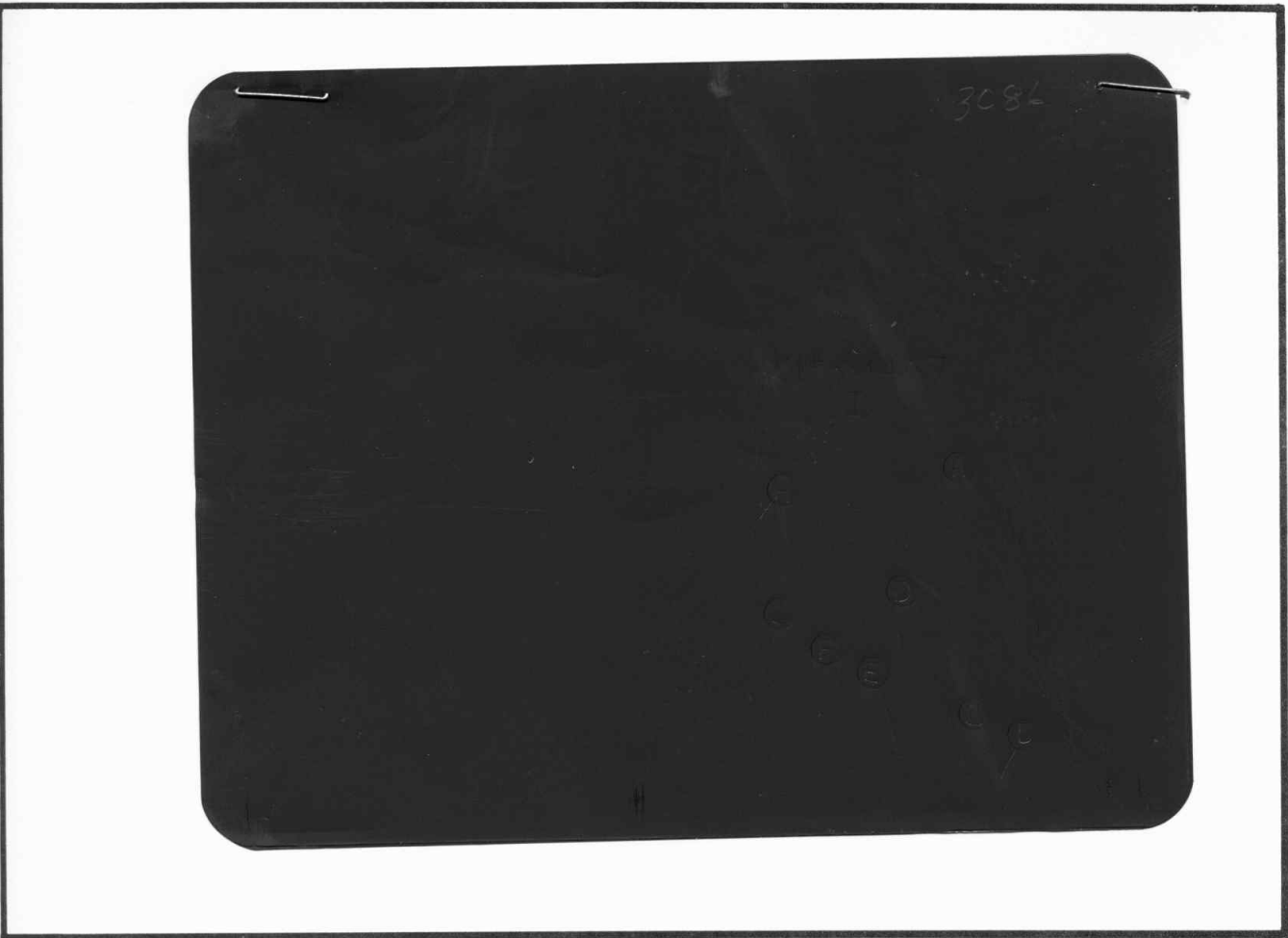
Recorder No. 3086 Capacity 4500 Location 3370 Ft.

Clock No. 6893 Elevation 2456 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1785</u> P.S.I.	Open Tool	<u>4:57A</u> M	
B First Initial Flow Pressure	<u>23</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>134</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>900</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>184</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
F Second Final Flow Pressure	<u>429</u> P.S.I.			
G Final Closed-in Pressure	<u>748</u> P.S.I.			
H Final Hydrostatic Mud	<u>1728</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>16</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>23</u>	<u>0</u>	<u>134</u>	<u>0</u>	<u>184</u>	<u>0</u>	<u>429</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>452</u>	<u>5</u>	<u>223</u>	<u>3</u>	<u>495</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>549</u>	<u>10</u>	<u>258</u>	<u>6</u>	<u>532</u>
P 4 <u>15</u>	<u>59</u>	<u>9</u>	<u>616</u>	<u>15</u>	<u>287</u>	<u>9</u>	<u>561</u>
P 5 <u>20</u>	<u>82</u>	<u>12</u>	<u>669</u>	<u>20</u>	<u>309</u>	<u>12</u>	<u>584</u>
P 6 <u>25</u>	<u>107</u>	<u>15</u>	<u>710</u>	<u>25</u>	<u>331</u>	<u>15</u>	<u>604</u>
P 7 <u>30</u>	<u>134</u>	<u>18</u>	<u>746</u>	<u>30</u>	<u>350</u>	<u>18</u>	<u>625</u>
P 8 _____		<u>21</u>	<u>778</u>	<u>35</u>	<u>365</u>	<u>21</u>	<u>644</u>
P 9 _____		<u>24</u>	<u>802</u>	<u>40</u>	<u>382</u>	<u>24</u>	<u>660</u>
P10 _____		<u>27</u>	<u>823</u>	<u>45</u>	<u>396</u>	<u>27</u>	<u>674</u>
P11 _____		<u>30</u>	<u>843</u>	<u>50</u>	<u>410</u>	<u>30</u>	<u>688</u>
P12 _____		<u>33</u>	<u>859</u>	<u>55</u>	<u>422</u>	<u>33</u>	<u>700</u>
P13 _____		<u>36</u>	<u>872</u>	<u>60</u>	<u>429</u>	<u>36</u>	<u>713</u>
P14 _____		<u>39</u>	<u>886</u>			<u>39</u>	<u>725</u>
P15 _____		<u>42</u>	<u>895</u>			<u>42</u>	<u>732</u>
P16 _____		<u>45</u>	<u>900</u>			<u>45</u>	<u>744</u>
P17 _____						<u>48</u>	<u>748</u>
P18 _____							
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1808	1785	PSI
(B) First Initial Flow Pressure	23	23	PSI
(C) First Final Flow Pressure	137	134	PSI
(D) Initial Closed-in Pressure	916	900	PSI
(E) Second Initial Flow Pressure	177	184	PSI
(F) Second Final Flow Pressure	426	429	PSI
(G) Final Closed-in Pressure	729	748	PSI
(H) Final Hydrostatic Mud	1796	1728	PSI