



Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Schwab #1
Elevation 2602 Kelly Bushings Formation Kansas City Effective Pay --- Ft. Ticket No. 17586
Date 9-21-73 Sec. 5 Twp. 2S Range 26W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Kenneth Cheney
Formation Test No. 1 O.K. --- Misrun X Interval Tested From 3410' to 3430' Total Depth 3430'
Size Main Hole 6 3/4" Rat Hole --- Conv. --- B.T. X Damaged --- Yes X No --- Conv. X B.T. --- Damaged --- Yes X No ---
Packer Depth 3405 Ft. Size 5 1/2" Packer Depth 3410 Ft. Size 5 1/2"
Straddle --- Yes --- No X Conv. --- B.T. --- Damaged --- Yes --- No ---
Packer Depth --- Ft. Size ---
Tool Size 4 1/2" O.D. Tool Jt. Size 4" & 4 1/2" F.H. Anchor Length 20 Ft. Size 4 1/2" O.D.
RECORDERS Depth 3424 Ft. Clock No. 9725 Depth 3426 Ft. Clock No. 8475
Top Make Kuster Cap 4150 No. 2608 Inside Bottom Make Kuster Cap 4150 No. 1567 Inside
Below Straddle: Depth --- Clock No. --- Inside Depth --- Ft. Clock No. --- Inside
Top Make --- Cap --- No. --- Outside Bottom Make --- Cap --- No. --- Outside
Time Set Packer 8:10 P. M
Tool Open I.F.P. From 8:15 M. to 8:25 P.M. Hr. 10 Min. From (B) --- P.S.I. To (C) --- P.S.I.
Tool Closed I.C.I.P. From 8:25 M. to 8:55 P.M. Hr. 30 Min. (D) --- P.S.I.
Tool Open F.F.P. From 8:55 M. to 9:55 P.M. 1 Hr. 00 Min. From (E) --- P.S.I. To (F) --- P.S.I.
Tool Closed F.C.I.P. From 9:55 M. to 10:25 P.M. Hr. 30 Min. (G) --- P.S.I.
Initial Hydrostatic Pressure (A) --- P.S.I. Final Hydrostatic Pressure (H) --- P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. --- Time --- Description of Flow ---
INFORMATION --- --- --- --- --- ---
BLOW Weak Bottom Choke Size 3/4 In.
Did Well Flow Yes X No --- Recovery Total Ft. 120 feet Drilling Mud
Reversed Out Yes X No --- Mud Type Chem Viscosity 39 Weight 9.5 Water Loss 10.8 cc. Maximum Temp. 98 °F
Type Circ. Sub. Plug Safety Joint No Jars: Size --- Make --- Ser. No. ---
EXTRA EQUIPMENT: Dual Packers Plug Did Packer Hold? Yes Did Tool Plug? Yes Where? ---
Length Drill Pipe 1911 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1179 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.
I.D. Drill Collars 2.7 in. Length D.S.T. Tool 40 ft.
Remarks Slid Tool 20 feet to Bottom Plug Anchor



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Company Abercrombie Drilling Inc. Lease & Well No. Schwab #1
Elevation 2602 Kelly Bushings Formation Kansas City Effective Pay — Ft. Ticket No. 17587
Date 9-22-73 Sec. 5 Twp. 2S Range 26W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Kenneth Cheney

Formation Test No. 2 O.K. ☒ Misrun Interval Tested From 3410' to 3430' Total Depth 3430'
Size Main Hole 6 3/4" Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth 3405 Ft. Size 5 1/2" Packer Depth 3410 Ft. Size 5 1/2" O.D.
Straddle Yes No ☒ Conv. B.T. Damaged Yes No

Packer Depth _____ Ft. Size _____

Tool Size 4 1/2" O.D. Tool Jt. Size 4" & 4 1/2" F.H. Anchor Length 20 Ft. Size 4 1/2" O.D.
RECORDERS Depth 3424 Ft. Clock No. 9725 Depth 3426 Ft. Clock No. 8475
Top Make Kuster Cap 4150 No. 2608 Inside Outside Bottom Make Kuster Cap 4150 No. 1567 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 8:13 A. M.
Tool Open I.F.P. From 8:15 M. to 8:45 A.M. Hr. 30 Min. From (B) 31 P.S.I. To (C) 31 P.S.I.
Tool Closed I.C.I.P. From 8:45 M. to 9:15 A.M. Hr. 30 Min. (D) 37 P.S.I.
Tool Open F.F.P. From 9:15 M. to 9:45 A.M. Hr. 30 Min. From (E) 29 P.S.I. To (F) 34 P.S.I.
Tool Closed F.C.I.P. From 9:45 M. to 10:15 A.M. Hr. 30 Min. (G) 41 P.S.I.
Initial Hydrostatic Pressure (A) 1690 P.S.I. Final Hydrostatic Pressure (H) 1645 P.S.I.

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

BLOW Weak for 20 minutes Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 1 feet Drilling Mud

Reversed Out Yes ☒ No Mud Type Chem Viscosity 48 Weight 9.7 Water Loss 10.8 cc. Maximum Temp. 98 °F
Type Circ. Sub. Plug Safety Joint No Jars: Size — Make — Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where? _____
Length Drill Pipe 1911 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1179 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.
I.D. Drill Collars 2.7 in. Length D.S.T. Tool 40 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 9-22-73

Test Ticket No. 17587

Recorder No. 2608 Capacity 4150 Location 3424 Ft.

Clock No. 9725 Elevation 2602 Kelly Bushings Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1690</u> P.S.I.	Open Tool	<u>8:15</u> A. M.	
B First Initial Flow Pressure	<u>31</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>28</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>37</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>29</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>34</u> P.S.I.			
G Final Closed-in Pressure	<u>41</u> P.S.I.			
H Final Hydrostatic Mud	<u>1645</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>3</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>31</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>34</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>31</u>	<u>5</u>	<u>29</u>	<u>3</u>	<u>34</u>
P 3 <u>10</u>	<u>31</u>	<u>6</u>	<u>31</u>	<u>10</u>	<u>31</u>	<u>6</u>	<u>34</u>
P 4 <u>15</u>	<u>31</u>	<u>9</u>	<u>31</u>	<u>15</u>	<u>31</u>	<u>9</u>	<u>34</u>
P 5 <u>20</u>	<u>31</u>	<u>12</u>	<u>32</u>	<u>20</u>	<u>33</u>	<u>12</u>	<u>34</u>
P 6 <u>25</u>	<u>31</u>	<u>15</u>	<u>32</u>	<u>25</u>	<u>34</u>	<u>15</u>	<u>35</u>
P 7 <u>28</u>	<u>31</u>	<u>18</u>	<u>33</u>	<u>30</u>	<u>34</u>	<u>18</u>	<u>36</u>
P 8		<u>21</u>	<u>34</u>			<u>21</u>	<u>36</u>
P 9		<u>24</u>	<u>34</u>			<u>24</u>	<u>37</u>
P10		<u>27</u>	<u>35</u>			<u>27</u>	<u>39</u>
P11		<u>30</u>	<u>37</u>			<u>30</u>	<u>41</u>
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	1660	1690	PSI
(B) First Initial Flow Pressure	20	31	PSI
(C) First Final Flow Pressure	20	31	PSI
(D) Initial Closed-in Pressure	20	37	PSI
(E) Second Initial Flow Pressure	20	29	PSI
(F) Second Final Flow Pressure	30	34	PSI
(G) Final Closed-in Pressure	30	41	PSI
(H) Final Hydrostatic Mud	1608	1645	PSI



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Company Abercrombie Drilling Inc. Lease & Well No. Schwab #1
Elevation 2602 Kelly Bushings Formation Kansas City Effective Pay --- Ft. Ticket No. 17588
Date 9-22-73 Sec. 5 Twp. 2S Range 26W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Kenneth Cheney

Formation Test No. 3 O.K. ☒ Misrun Interval Tested From 3410' to 3445' Total Depth 3445'
Size Main Hole 6 3/4" Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth 3405 Ft. Size 5 1/2 Packer Depth 3410 Ft. Size 5 1/2
Straddle Yes No ☒ Conv. B.T. Damaged Yes No
Packer Depth Ft. Size

Tool Size 4 1/2" O.D. Tool Jt. Size 4" & 4 1/2" F.H. Anchor Length 35 Ft. Size 4 1/2" O.D.

RECORDERS Depth 3438 Ft. Clock No. 9725 Depth 3440 Ft. Clock No. 8475
Top Make Kuster Cap 4150 No. 2608 Inside Outside Bottom Make Kuster Cap 4150 No. 1567 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 6:19 P. M

Tool Open I.F.P. From 6:20 M. to 6:50 P.M. Hr. 30 Min. From (B) 54 P.S.I. To (C) 77 P.S.I.
Tool Closed I.C.I.P. From 6:50 M. to 7:35 P.M. Hr. 45 Min. (D) 1176 P.S.I.
Tool Open F.F.P. From 7:35 M. to 9:05 P.M. 1 Hr. 30 Min. From (E) 94 P.S.I. To (F) 172 P.S.I.
Tool Closed F.C.I.P. From 9:05 M. to 9:50 P.M. Hr. 45 Min. (G) 1135 P.S.I.

Initial Hydrostatic Pressure (A) 1853 P.S.I. Final Hydrostatic Pressure (H) 1831 P.S.I.

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

BLOW Fair Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No Recovery Total Ft. 330 feet Muddy Water

Reversed Out Yes ☒ No Mud Type Chem Viscosity 43 Weight 9.7 Water Loss 11.5 cc. Maximum Temp. 110 °F
Type Circ. Sub. Plug Safety Joint No Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where?

Length Drill Pipe 1911 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1179 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.

I.D. Drill Collars 2.7 in. Length D.S.T. Tool 55 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 9-22-73 Test Ticket No. 17588
 Recorder No. 2608 Capacity 4150 Location 3438 Ft.
 Clock No. 9725 Elevation 2602 Kelly Bushings Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1853</u> P.S.I.	Open Tool	<u>6:20</u> P. M.	
B First Initial Flow Pressure	<u>54</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>77</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>41</u> Mins.
D Initial Closed-in Pressure	<u>1176</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>94</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>44</u> Mins.
F Second Final Flow Pressure	<u>172</u> P.S.I.			
G Final Closed-in Pressure	<u>1135</u> P.S.I.			
H Final Hydrostatic Mud	<u>1831</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>13</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>14</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>2</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>54</u>	<u>0</u>	<u>77</u>	<u>0</u>	<u>94</u>	<u>0</u>	<u>172</u>
P 2 <u>5</u>	<u>55</u>	<u>3</u>	<u>923</u>	<u>5</u>	<u>94</u>	<u>3</u>	<u>496</u>
P 3 <u>10</u>	<u>58</u>	<u>6</u>	<u>1089</u>	<u>10</u>	<u>96</u>	<u>6</u>	<u>1022</u>
P 4 <u>15</u>	<u>62</u>	<u>9</u>	<u>1118</u>	<u>15</u>	<u>98</u>	<u>9</u>	<u>1060</u>
P 5 <u>20</u>	<u>68</u>	<u>12</u>	<u>1132</u>	<u>20</u>	<u>101</u>	<u>12</u>	<u>1078</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>1141</u>	<u>25</u>	<u>105</u>	<u>15</u>	<u>1091</u>
P 7 <u>30</u>	<u>77</u>	<u>18</u>	<u>1151</u>	<u>30</u>	<u>108</u>	<u>18</u>	<u>1099</u>
P 8		<u>21</u>	<u>1155</u>	<u>35</u>	<u>114</u>	<u>21</u>	<u>1107</u>
P 9		<u>24</u>	<u>1159</u>	<u>40</u>	<u>121</u>	<u>24</u>	<u>1113</u>
P10		<u>27</u>	<u>1163</u>	<u>45</u>	<u>126</u>	<u>27</u>	<u>1118</u>
P11		<u>30</u>	<u>1167</u>	<u>50</u>	<u>131</u>	<u>30</u>	<u>1121</u>
P12		<u>33</u>	<u>1169</u>	<u>55</u>	<u>136</u>	<u>33</u>	<u>1125</u>
P13		<u>36</u>	<u>1171</u>	<u>60</u>	<u>141</u>	<u>36</u>	<u>1128</u>
P14		<u>39</u>	<u>1174</u>	<u>65</u>	<u>147</u>	<u>39</u>	<u>1131</u>
P15		<u>41</u>	<u>1176</u>	<u>70</u>	<u>153</u>	<u>42</u>	<u>1133</u>
P16				<u>75</u>	<u>159</u>	<u>44</u>	<u>1135</u>
P17				<u>80</u>	<u>164</u>		
P18				<u>85</u>	<u>169</u>		
P19				<u>90</u>	<u>172</u>		
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1943	1853	PSI
(B) First Initial Flow Pressure	43	54	PSI
(C) First Final Flow Pressure	64	77	PSI
(D) Initial Closed-in Pressure	1219	1176	PSI
(E) Second Initial Flow Pressure	108	94	PSI
(F) Second Final Flow Pressure	162	172	PSI
(G) Final Closed-in Pressure	1187	1135	PSI
(H) Final Hydrostatic Mud	1889	1831	PSI





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Elevation 2602 Kelly Bushings Formation Kansas City Effective Pay — Ft. Ticket No. 17589
Date 9-23-73 Sec. 5 Twp. 2S Range 26W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Kenneth Cheney

Formation Test No. 4 O.K. ☒ Misrun — Interval Tested From 3549' to 3580' Total Depth 3580'

Size Main Hole 3 3/4" Rat Hole — Conv. ☒ B.T. — Damaged — Yes ☒ No Conv. ☒ B.T. — Damaged — Yes ☒ No

Packer Depth 3545 Ft. Size 5 1/2" Packer Depth 3549 Ft. Size 5 1/2"

Straddle — Yes — No ☒ Conv. — B.T. — Damaged — Yes — No

Packer Depth — Ft. Size —

Tool Size 4 1/2" O.D. Tool Jt. Size 4" & 4 1/2" F.H. Anchor Length 31 Ft. Size 4 1/2" O.D.

RECORDERS Depth 3570 Ft. Clock No. 9725 Depth 3576 Ft. Clock No. 8475

Top Make Kuster Cap 4150 No. 2608 Inside — Outside — Bottom Make Kuster Cap 4150 No. 1567 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 4:08 P. M

Tool Open I.F.P. From 4:10 M. to 4:25 P. M. Hr. 15 Min. From (B) 49 P.S.I. To (C) 56 P.S.I.

Tool Closed I.C.I.P. From 4:25 M. to 5:10 P. M. Hr. 45 Min. (D) 1138 P.S.I.

Tool Open F.F.P. From 5:10 M. to 6:40 P. M. 1 Hr. 30 Min. From (E) 69 P.S.I. To (F) 128 P.S.I.

Tool Closed F.C.I.P. From 6:40 M. to 7:25 P. M. Hr. 45 Min. (G) 1057 P.S.I.

Initial Hydrostatic Pressure (A) 1847 P.S.I. Final Hydrostatic Pressure (H) 1816 P.S.I.

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

INFORMATION — M. —

— M. —

— M. —

BLOW Good throughout Test Bottom Choke Size 3/4 In.

Did Well Flow — Yes ☒ No — Recovery Total Ft. 360 feet Gas in Pipe

240 feet Gassy Clean Oil

60 feet Muddy Oil (Gravity)

Reversed Out — Yes ☒ No — Mud Type Chem Viscosity 49 Weight 9.6 Water Loss 8.4 cc. Maximum Temp. 104 °F

Type Circ. Sub. Plug Safety Joint No Jars: Size — Make — Ser. No. —

EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where? —

Length Drill Pipe 2050 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1179 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 300 ft.

I.D. Drill Collars 2.7 in. Length D.S.T. Tool 51 ft.

Remarks 33.8 Gravity

WESTERN TESTING CO., INC.

Pressure Data

Date September 23, 1973

Test Ticket No. 17589

Recorder No. 2608

Capacity 4150

Location 3570 Ft.

Clock No. 9725

Elevation 2602 Kelly Bushings

Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1847</u> P.S.I.	Open Tool	<u>4:10</u> P. M.	
B First Initial Flow Pressure	<u>49</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>56</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>43</u> Mins.
D Initial Closed-in Pressure	<u>1138</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>88</u> Mins.
E Second Initial Flow Pressure	<u>69</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
F Second Final Flow Pressure	<u>128</u> P.S.I.			
G Final Closed-in Pressure	<u>1057</u> P.S.I.			
H Final Hydrostatic Mud	<u>1816</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 4 Inc.

of 5 mins. and a

final inc. of 0 Min.

Initial Shut-In

Breakdown: 14 Inc.

of 3 mins. and a

final inc. of 1 Min.

Second Flow Pressure

Breakdown: 17 Inc.

of 5 mins. and a

final inc. of 3 Min.

Final Shut-In

Breakdown: 16 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>49</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>128</u>
P 2 <u>5</u>	<u>49</u>	<u>3</u>	<u>87</u>	<u>5</u>	<u>69</u>	<u>3</u>	<u>218</u>
P 3 <u>10</u>	<u>50</u>	<u>6</u>	<u>356</u>	<u>10</u>	<u>70</u>	<u>6</u>	<u>431</u>
P 4 <u>15</u>	<u>52</u>	<u>9</u>	<u>789</u>	<u>15</u>	<u>71</u>	<u>9</u>	<u>735</u>
P 5 <u>20</u>	<u>56</u>	<u>12</u>	<u>942</u>	<u>20</u>	<u>74</u>	<u>12</u>	<u>857</u>
P 6		<u>15</u>	<u>1004</u>	<u>25</u>	<u>76</u>	<u>15</u>	<u>917</u>
P 7		<u>18</u>	<u>1043</u>	<u>30</u>	<u>79</u>	<u>18</u>	<u>950</u>
P 8		<u>21</u>	<u>1068</u>	<u>35</u>	<u>84</u>	<u>21</u>	<u>973</u>
P 9		<u>24</u>	<u>1091</u>	<u>40</u>	<u>88</u>	<u>24</u>	<u>993</u>
P10		<u>27</u>	<u>1105</u>	<u>45</u>	<u>92</u>	<u>27</u>	<u>1010</u>
P11		<u>30</u>	<u>1118</u>	<u>50</u>	<u>96</u>	<u>30</u>	<u>1021</u>
P12		<u>33</u>	<u>1124</u>	<u>55</u>	<u>100</u>	<u>33</u>	<u>1031</u>
P13		<u>36</u>	<u>1129</u>	<u>60</u>	<u>104</u>	<u>36</u>	<u>1039</u>
P14		<u>39</u>	<u>1133</u>	<u>65</u>	<u>108</u>	<u>39</u>	<u>1044</u>
P15		<u>42</u>	<u>1137</u>	<u>70</u>	<u>112</u>	<u>42</u>	<u>1049</u>
P16		<u>43</u>	<u>1138</u>	<u>75</u>	<u>116</u>	<u>45</u>	<u>1053</u>
P17				<u>80</u>	<u>119</u>	<u>48</u>	<u>1057</u>
P18				<u>85</u>	<u>124</u>		
P19				<u>88</u>	<u>128</u>		
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1816	1847	PSI
(B) First Initial Flow Pressure	52	49	PSI
(C) First Final Flow Pressure	62	56	PSI
(D) Initial Closed-in Pressure	1140	1138	PSI
(E) Second Initial Flow Pressure	72	69	PSI
(F) Second Final Flow Pressure	135	128	PSI
(G) Final Closed-in Pressure	1062	1057	PSI
(H) Final Hydrostatic Mud	1764	1816	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Schwab #1
Elevation 2602 Kelly Bushings Formation Kansas City Effective Pay --- Ft. Ticket No. 17591
Date 9-24-73 Sec. 5 Twp. 2S Range 26W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Kenneth Cheney
Formation Test No. 6 O.K. ☒ Misrun --- Interval Tested From 3390' to 3407' Total Depth 3739'
Size Main Hole 6 3/4" Rat Hole --- Conv. ☒ B.T. --- Damaged --- Yes ☒ No --- Conv. --- B.T. --- Damaged --- Yes --- No ---
Packer Depth 3390 Ft. Size 5 1/2" Packer Depth --- Ft. Size ---
Straddle --- Yes ☒ No --- Conv. ☒ B.T. --- Damaged --- Yes ☒ No ---
Packer Depth 3407 Ft. Size 5 1/2"
Tool Size 4 1/2" O.D. Tool Jt. Size 4" & 4 1/2" F.H. Anchor Length 17 Ft. Size 4 1/2" O.D.
RECORDERS Depth 3400 Ft. Clock No. 9725 Depth 3402 Ft. Clock No. 8475
Top Make Kuster Cap. 4150 No. 2608 Inside --- Outside --- Bottom Make Kuster Cap. 4150 No. 1567 Inside --- Outside ---
Below Straddle: Depth 3735 Clock No. 140 Inside --- Outside --- Depth --- Ft. Clock No. --- Inside --- Outside ---
Top Make Kuster Cap. 4000 No. 26 Inside --- Outside --- Bottom Make --- Cap. --- No. --- Inside --- Outside ---
Time Set Packer 7:54 P. --- M. ---
Tool Open I.F.P. From 7:55 M. to 8:10 P.M. Hr. 15 Min. From (B) 3 P.S.I. To (C) 3 P.S.I.
Tool Closed I.C.I.P. From 8:10 M. to 8:55 P.M. Hr. 45 Min. (D) 1135 P.S.I.
Tool Open F.F.P. From 8:55 M. to 9:25 P.M. Hr. 30 Min. From (E) 14 P.S.I. To (F) 6 P.S.I.
Tool Closed F.C.I.P. From 9:25 M. to 9:55 P.M. Hr. 30 Min. (G) 1067 P.S.I.
Initial Hydrostatic Pressure (A) 1760 P.S.I. Final Hydrostatic Pressure (H) 1749 P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. --- Time --- Description of Flow ---
INFORMATION --- M. --- M. --- M. ---
BLOW Weak for 20 minutes Bottom Choke Size 3/4 In.
Did Well Flow --- Yes ☒ No --- Recovery Total Ft. 5 feet Mud
Reversed Out --- Yes ☒ No --- Mud Type Chem Viscosity 42 Weight 9.2 Water Loss 8.4 cc. Maximum Temp. 98 °F
Type Circ. Sub. Plug Safety Joint No Jars: Size --- Make --- Ser. No. ---
EXTRA EQUIPMENT: Dual Packers No Did Packer Hold? Yes Did Tool Plug? No Where? ---
Length Drill Pipe 2196 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1179 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars --- ft.
I.D. Drill Collars --- in. Length D.S.T. Tool 364 ft.
Remarks ---

WESTERN TESTING CO., INC.

Pressure Data

Date September 24, 1973

Test Ticket No. 17591

Recorder No. 2608 Capacity 4150 Location 3400 Ft.

Clock No. 9725 Elevation 2602 Kelly Bushings Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1760</u>	P.S.I.	<u>7:55</u>	P. M.
B First Initial Flow Pressure	<u>3</u>	P.S.I.	<u>15</u>	Mins. <u>15</u> Mins.
C First Final Flow Pressure	<u>3</u>	P.S.I.	<u>45</u>	Mins. <u>42</u> Mins.
D Initial Closed-in Pressure	<u>1135</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>14</u>	P.S.I.	<u>30</u>	Mins. <u>27</u> Mins.
F Second Final Flow Pressure	<u>6</u>	P.S.I.		
G Final Closed-in Pressure	<u>1067</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1749</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>6</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>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>3</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>6</u>
P 2 <u>5</u>	<u>3</u>	<u>3</u>	<u>199</u>	<u>5</u>	<u>10</u>	<u>3</u>	<u>106</u>
P 3 <u>10</u>	<u>3</u>	<u>6</u>	<u>535</u>	<u>10</u>	<u>8</u>	<u>6</u>	<u>429</u>
P 4 <u>15</u>	<u>3</u>	<u>9</u>	<u>830</u>	<u>15</u>	<u>6</u>	<u>9</u>	<u>749</u>
P 5		<u>12</u>	<u>950</u>	<u>20</u>	<u>6</u>	<u>12</u>	<u>886</u>
P 6		<u>15</u>	<u>1016</u>	<u>25</u>	<u>6</u>	<u>15</u>	<u>969</u>
P 7		<u>18</u>	<u>1053</u>	<u>30</u>	<u>6</u>	<u>18</u>	<u>1016</u>
P 8		<u>21</u>	<u>1078</u>			<u>21</u>	<u>1043</u>
P 9		<u>24</u>	<u>1097</u>			<u>24</u>	<u>1056</u>
P10		<u>27</u>	<u>1109</u>			<u>27</u>	<u>1067</u>
P11		<u>30</u>	<u>1121</u>				
P12		<u>33</u>	<u>1126</u>				
P13		<u>36</u>	<u>1129</u>				
P14		<u>39</u>	<u>1132</u>				
P15		<u>42</u>	<u>1135</u>				
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1764	1760	PSI
(B) First Initial Flow Pressure	0	3	PSI
(C) First Final Flow Pressure	0	3	PSI
(D) Initial Closed-in Pressure	1140	1135	PSI
(E) Second Initial Flow Pressure	10	14	PSI
(F) Second Final Flow Pressure	10	6	PSI
(G) Final Closed-in Pressure	1064	1067	PSI
(H) Final Hydrostatic Mud	1712	1749	PSI



Bahia Strada: Cha. I.
TKT 17511