



P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie, Inc. Lease & Well No. Berndt #3
Elevation not available Formation Kansas City Effective Pay _____ Ft. Ticket No. 20613
Date 12-7-74 Sec. 35 Twp. 2S Range 30W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Dennis Spring

Formation Test No. 1 O.K. Misrun Interval Tested From 3806' to 3859' Total Depth 3859'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3801 Ft. Size 6 3/4 Bottom Packer Depth 3806 Ft. Size 6 3/4
Straddle no Conv. B.T. Damaged Yes No Packer Depth _____ Ft. Size _____
Tool Size 5 1/200 Tool Joint Size 4 1/2FH Anchor Length 53 Ft. Size 5 1/200 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3853 Ft. Clock No. 6893 Depth 3856 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Depth _____ Ft. Rec. No. _____ Clock No. _____

Time Set Packer 7:12 P_M
Tool Open I.F.P. From 7:15P M. to 7:45P M. - Hr. 30 Min. From (B) 12 P.S.I. To (C) 12 P.S.I.
Tool Closed I.C.I.P. From 7:45P M. to 8:15P M. - Hr. 30 Min (D) 132 P.S.I.
Tool Open F.F.P. From 8:15P M. to 8:45P M. - Hr. 30 Min. From (E) 29 P.S.I. To (F) 29 P.S.I.
Tool Closed F.C.I.P. From 8:45P M. to 9:15P M. - Hr. 30 Min. (G) 53 P.S.I.
Initial Hydrostatic Pressure (A) 2089 P.S.I. Final Hydrostatic Pressure (H) 1983 P.S.I. Maximum Temp. 98

INFORMATION

BLOW Weak died 25 minutes after tool open
Did Well Flow Yes No Recovery Total Ft. 10 feet drilling mud

Reversed Out Yes No Mud Type starch Viscosity 36 Weight 9.9 Water Loss 8.4 cc. Chlorides 1200

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

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

DRILLING CONTRACTOR Abercrombie Drilling Length Drill Pipe? 2580 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.
Length Weight Pipe 1206 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4" In. Length Drill Collars _____ Ft. I.D. Drill Collars _____ In.
Tool Joint Size _____ In. Length D.S.T. Tool 73 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 12-7-74 Test Ticket No. 20613
 Recorder No. 3086 Capacity 4500 Location 3853 Ft.
 Clock No. 6893 Elevation - Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2089	P.S.I.	7:12 P M	
B First Initial Flow Pressure	12	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	12	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	132	P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	29	P.S.I.	30 Mins.	30 Mins.
F Second Final Flow Pressure	29	P.S.I.		
G Final Closed-in Pressure	53	P.S.I.		
H Final Hydrostatic Mud	1983	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: 10 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: 10 Inc.
 of 0 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	12	0	12	0	29	0	29
P 2 5	12	3	12	5	29	3	29
P 3 10	12	6	12	10	29	6	29
P 4 15	12	9	12	15	29	9	29
P 5 20	12	12	17	20	29	12	29
P 6 25	12	15	22	25	29	15	29
P 7 30	12	18	38	30	29	18	31
P 8		21	55	35		21	36
P 9		24	74	40		24	41
P10		27	98	45		27	48
P11		30	132			30	53
P12						33	
P13						36	
P14						39	
P15						42	
P16						45	
P17							
P18							
P19							
P20							



P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie, Inc. Lease & Well No. Berndt #3

Elevation not available Formation Kansas City Effective Pay _____ Ft. Ticket No. 20614

Date 12-8-74 Sec. 35 Twp. 2S Range 30W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative Dennis Sporing

Formation Test No. 2 O.K. Misrun Interval Tested From 3858' to 3900' Total Depth 3900'

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

Top Packer Depth 3853 Ft. Size 6 3/4 Bottom Packer Depth 3858 Ft. Size 6 3/4

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

Tool Size 5 1/20D Tool Joint Size 4 1/2FH Anchor Length 42 Ft. Size 5 1/20D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3892 Ft. Clock No. 6893 Depth 3895 Ft. Clock No. 6896

Top Make Kuster Cap. 4500 No. 3086 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 10:27 A M

Tool Open I.F.P. From 10:30A M. to 11:00A M. - Hr. 30 Min. From (B) 24 P.S.I. To (C) 52 P.S.I.

Tool Closed I.C.I.P. From 11:00A M. to 11:45A M. - Hr. 45 Min (D) 379 P.S.I.

Tool Open F.F.P. From 11:45A M. to 12:45A M. - Hr. 60 Min. From (E) 71 P.S.I. To (F) 87 P.S.I.

Tool Closed F.C.I.P. From 12:45P M. to 1:45P M. - Hr. 60 Min. (G) 303 P.S.I.

Initial Hydrostatic Pressure (A) 2130 P.S.I. Final Hydrostatic Pressure (H) 2062 P.S.I. Maximum Temp no temp.

INFORMATION

BLOW Strong throughout test

Did Well Flow Yes No Recovery Total Ft. (390 feet gas in pipe)

140 feet free oil 36 grav. 70 feet oil cut mud

Reversed Out Yes No Mud Type starch Viscosity 48 Weight 102 Water Loss 12 cc. Chlorides 2,300

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

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

DRILLING CONTRACTOR Abercrombie Drilling Length Drill Pipe? 2632 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe 1206 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4 In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 62 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 12-8-74 Test Ticket No. 20614
 Recorder No. 3086 Capacity 4500 Location 3892 Ft.
 Clock No. 6893 Elevation - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2130	P.S.I.	10:27 A M	
B First Initial Flow Pressure	24	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	52	P.S.I.	45 Mins.	45 Mins.
D Initial Closed-in Pressure	379	P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	71	P.S.I.	60 Mins.	57 Mins.
F Second Final Flow Pressure	87	P.S.I.		
G Final Closed-in Pressure	303	P.S.I.		
H Final Hydrostatic Mud	2062	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>19</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>0</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	0	0	52	0	71	0	87
P 2	5	3	85	5	71	3	118
P 3	10	6	140	10	71	6	142
P 4	15	9	190	15	71	9	166
P 5	20	12	227	20	71	12	182
P 6	25	15	258	25	71	15	197
P 7	30	18	282	30	76	18	213
P 8		21	302	35	78	21	225
P 9		24	320	40	80	24	234
P10		27	332	45	81	27	244
P11		30	346	50	84	30	254
P12		33	353	55	86	33	261
P13		36	362	60	87	36	268
P14		39	370			39	275
P15		42	374			42	280
P16		45	379			45	284
P17						48	289
P18						51	294
P19						54	296
P20						57	303



P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie, Incorporation Lease & Well No. Berndt #3
Elevation Not available Formation Kansas City Effective Pay _____ Ft. Ticket No. 20615
Date 12-9-74 Sec. 35 Twp. 2S Range 30W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative Dennis Sporing

Formation Test No. 3 O.K. Misrun Interval Tested From 3970' to 4034' Total Depth 4091'

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

Top Packer Depth 3970 Ft. Size 6 3/4 Bottom Packer Depth _____ Ft. Size _____

Straddle Yes Conv. - B.T. - Damaged - Yes - No - Packer Depth 4034 Ft. Size 6 3/4

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 64 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4010 Ft. Clock No. 6893 Depth 4007 Ft. Clock No. 6896

Top Make Kuster Cap. 4500 No. 3086 Inside - Outside - Bottom Make Kuster Cap. 4200 No. 1558 Inside - Outside -

Below Straddle: Depth 4090 Rec. No. 101 Clock No. 98 Inside - Outside - Depth 4091 Ft. Rec. No. 102 Clock No. 99 Inside - Outside -

Time Set Packer 8:12 P. M _____

Tool Open I.F.P. From 8:15 P.M. to 8:30 P.M. Hr. 15 Min. From (B) 38 P.S.I. To (C) 82 P.S.I.

Tool Closed I.C.I.P. From 8:30 P.M. to 9:15 P.M. Hr. 45 Min (D) 1151 P.S.I.

Tool Open F.F.P. From 9:15 P.M. to 10:15 P.M. Hr. 60 Min. From (E) 108 P.S.I. To (F) 187 P.S.I.

Tool Closed F.C.I.P. From 10:15 P.M. to 11:15 P.M. Hr. 60 Min. (G) 832 P.S.I.

Initial Hydrostatic Pressure (A) 2194 P.S.I. Final Hydrostatic Pressure (H) 2132 P.S.I. Maximum Temp. 132

INFORMATION

BLOW Strong throughout test

Did Well Flow - Yes No Recovery Total Ft. 225' heavy oil cut mud-120' oil cut mud

Reversed Out - Yes No Mud Type starch Viscosity 45 Weight 10.3 Water Loss 10.8 cc. Chlorides 2300 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Plug Safety Joint No 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? 3870 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe 1413 Ft. I.D. Weight Pipe 2.8 In. Tool Joint Size 4 In. Length Drill Collars 25 Ft. I.D. Drill Collars 2.2 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 82 Ft. 57' tail pipe

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 12-9-74 Test Ticket No. 20615
 Recorder No. 3086 Capacity 4500 Location 4010 Ft.
 Clock No. 6893 Elevation Not available Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2194</u>	P.S.I.	<u>8:12 PM</u>	
B First Initial Flow Pressure	<u>38</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>82</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1151</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>108</u>	P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>187</u>	P.S.I.		
G Final Closed-in Pressure	<u>832</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2132</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>38</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>187</u>
P 2 <u>5</u>	<u>47</u>	<u>3</u>	<u>464</u>	<u>5</u>	<u>112</u>	<u>3</u>	<u>441</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>867</u>	<u>10</u>	<u>121</u>	<u>6</u>	<u>605</u>
P 4 <u>15</u>	<u>82</u>	<u>9</u>	<u>977</u>	<u>15</u>	<u>130</u>	<u>9</u>	<u>667</u>
P 5 <u>20</u>		<u>12</u>	<u>1023</u>	<u>20</u>	<u>137</u>	<u>12</u>	<u>701</u>
P 6 <u>25</u>		<u>15</u>	<u>1051</u>	<u>25</u>	<u>145</u>	<u>15</u>	<u>724</u>
P 7 <u>30</u>		<u>18</u>	<u>1073</u>	<u>30</u>	<u>153</u>	<u>18</u>	<u>740</u>
P 8		<u>21</u>	<u>1090</u>	<u>35</u>	<u>160</u>	<u>21</u>	<u>753</u>
P 9		<u>24</u>	<u>1102</u>	<u>40</u>	<u>168</u>	<u>24</u>	<u>765</u>
P10		<u>27</u>	<u>1112</u>	<u>45</u>	<u>175</u>	<u>27</u>	<u>774</u>
P11		<u>30</u>	<u>1123</u>	<u>50</u>	<u>178</u>	<u>30</u>	<u>782</u>
P12		<u>33</u>	<u>1130</u>	<u>55</u>	<u>183</u>	<u>33</u>	<u>790</u>
P13		<u>36</u>	<u>1137</u>	<u>60</u>	<u>187</u>	<u>36</u>	<u>797</u>
P14		<u>39</u>	<u>1143</u>			<u>39</u>	<u>803</u>
P15		<u>42</u>	<u>1147</u>			<u>42</u>	<u>808</u>
P16		<u>45</u>	<u>1151</u>			<u>45</u>	<u>814</u>
P17						<u>48</u>	<u>819</u>
P18						<u>51</u>	<u>823</u>
P19						<u>54</u>	<u>828</u>
P20						<u>57</u>	<u>832</u>

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