



P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie Lease & Well No. Berndt#4
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 24700
Date 6-11-75 Sec. 35 Twp. 25S Range 30W County Decatur State Kansas
Test Approved by Charles Johnson Western Representative Gerrell Veatch
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3738' to 3790' Total Depth 3790'
Size Main Hole 8 3/4 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3733 Ft. Size 7 1/2 Bottom Packer Depth 3738 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 52 Ft. Size 5 1/2 OD Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3784 Ft. Clock No. 6774 Depth 3787 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 12:52 A M
Tool Open I.F.P. From 12:55A M. to 1:25A M. - Hr. 30 Min. From (B) 95 P.S.I. To (C) 95 P.S.I.
Tool Closed I.C.I.P. From 1:25A M. to 2:10A M. - Hr. 45 Min (D) 1230 P.S.I.
Tool Open F.F.P. From 2:10A M. to 2:40A M. - Hr. 30 Min. From (E) 108 P.S.I. To (F) 108 P.S.I.
Tool Closed F.C.I.P. From 2:40A M. to 3:25A M. - Hr. 45 Min. (G) 1202 P.S.I.
Initial Hydrostatic Pressure (A) 1998 P.S.I. Final Hydrostatic Pressure (H) 1982 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Weak blow for 25 minutes.
Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 60' drilling mud with spots of oil.

Reversed Out ☐ Yes ☒ No Mud Type Chemical Viscosity 65 Weight 9.8 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 A.L. Abercrombie Length Drill Pipe 2558 Ft. I.D. Drill Pipe 2.5 x 3.3 In. Tool Joint Size 3 1/2 & 4 1/2 In.

Length Weight Pipe 828 Ft. I.D. Weight Pipe 2.5 In. Tool Joint Size 3 1/2 In. Length Drill Collars 332 Ft. I.D. Drill Collars 2.5 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 7572 Ft.

Remarks:

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

Date 6-11-75 Test Ticket No. 24700
 Recorder No. 2607 Capacity 4150 Location 3784 Ft.
 Clock No. 6774 Elevation - Well Temperature 126 °F

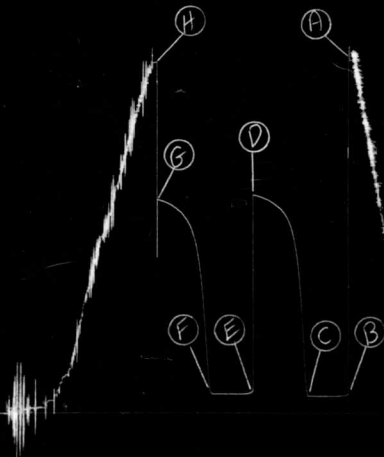
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1998</u> P.S.I.	Open Tool	<u>12:52 A</u> M	
B First Initial Flow Pressure	<u>95</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>95</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1230</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>108</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>108</u> P.S.I.			
G Final Closed-in Pressure	<u>1202</u> P.S.I.			
H Final Hydrostatic Mud	<u>1982</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>6</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>95</u>	<u>0</u>	<u>95</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>108</u>
P 2 <u>5</u>	<u>95</u>	<u>3</u>	<u>227</u>	<u>5</u>	<u>108</u>	<u>3</u>	<u>125</u>
P 3 <u>10</u>	<u>95</u>	<u>6</u>	<u>596</u>	<u>10</u>	<u>108</u>	<u>6</u>	<u>328</u>
P 4 <u>15</u>	<u>95</u>	<u>9</u>	<u>850</u>	<u>15</u>	<u>108</u>	<u>9</u>	<u>588</u>
P 5 <u>20</u>	<u>95</u>	<u>12</u>	<u>981</u>	<u>20</u>	<u>108</u>	<u>12</u>	<u>800</u>
P 6 <u>25</u>	<u>95</u>	<u>15</u>	<u>1056</u>	<u>25</u>	<u>108</u>	<u>15</u>	<u>931</u>
P 7 <u>30</u>	<u>95</u>	<u>18</u>	<u>1105</u>	<u>30</u>	<u>108</u>	<u>18</u>	<u>1012</u>
P 8		<u>21</u>	<u>1138</u>			<u>21</u>	<u>1064</u>
P 9		<u>24</u>	<u>1159</u>			<u>24</u>	<u>1100</u>
P10		<u>27</u>	<u>1173</u>			<u>27</u>	<u>1131</u>
P11		<u>30</u>	<u>1191</u>			<u>30</u>	<u>1149</u>
P12		<u>33</u>	<u>1204</u>			<u>33</u>	<u>1165</u>
P13		<u>36</u>	<u>1213</u>			<u>36</u>	<u>1173</u>
P14		<u>39</u>	<u>1222</u>			<u>39</u>	<u>1186</u>
P15		<u>42</u>	<u>1227</u>			<u>42</u>	<u>1193</u>
P16		<u>45</u>	<u>1230</u>			<u>45</u>	<u>1202</u>
P17							
P18							
P19							
P20							

TIT # 24700

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P. O. BOX 1599
WICHITA, KANSAS 67201

Company A.L. Abercrombie Lease & Well No. Berndt #4
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 24701
Date 6-11-75 Sec. 35 Twp. 25S Range 30 W County Decatur State Kansas
Test Approved by Charles Johnson Western Representative Gerrell Veatch
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3792' to 3822' Total Depth 3822'
Size Main Hole 8 3/4" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3787 Ft. Size 7 1/2" Bottom Packer Depth 3792 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 3816 Ft. Clock No. 6774 Inside 6806 Inside
Top Make Kuster Cap. 4150 No. 2607 Outside 2608 Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside
Time Set Packer 2:42 P M
Tool Open I.F.P. From 2:45 P M. to 3:15 P M. - Hr. 30 Min. From (B) 38 P.S.I. To (C) 40 P.S.I.
Tool Closed I.C.I.P. From 3:15 P M. to 3:45 P M. - Hr. 30 Min (D) 48 P.S.I.
Tool Open F.F.P. From 3:45 P M. to 4:30 P M. - Hr. 45 Min. From (E) 44 P.S.I. To (F) 44 P.S.I.
Tool Closed F.C.I.P. From 4:30 P M. to 5:00 P M. - Hr. 30 Min. (G) 44 P.S.I.
Initial Hydrostatic Pressure (A) 2018 P.S.I. Final Hydrostatic Pressure (H) 1977 P.S.I. Maximum Temp. 127

INFORMATION

BLOW Very weak blow for 10 minutes.
Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 5' drilling mud with few specks of oil.
Reversed Out ☐ Yes ☒ No Mud Type Chemical Viscosity 60 Weight 9.7 Water Loss 11.4 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 A.L. Abercrombie #10 Length Drill Pipe 2612 Ft. I.D. Drill Pipe 2.5 In. Tool Joint Size 3 1/2 In. 6 3.3
Length Weight Pipe 828 Ft. I.D. Weight Pipe 2.5 In. Tool Joint Size 3 1/2 In. Length Drill Collars 332 Ft. I.D. Drill Collars 2.5 In.
Tool Joint Size 4 1/2 In. Length D.S.T. Tool 50 Ft.
Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 6-11-75 Recorder No. 2607 Capacity 4150 Test Ticket No. 24701
 Clock No. 6774 Elevation - Location 3816 Ft.
 Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud <u>2018</u>	P.S.I.	Open Tool	<u>2:42 P</u>	
B First Initial Flow Pressure <u>38</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>40</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure <u>48</u>	P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure <u>44</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure <u>44</u>	P.S.I.			
G Final Closed-in Pressure <u>44</u>	P.S.I.			
H Final Hydrostatic Mud <u>1977</u>	P.S.I.			

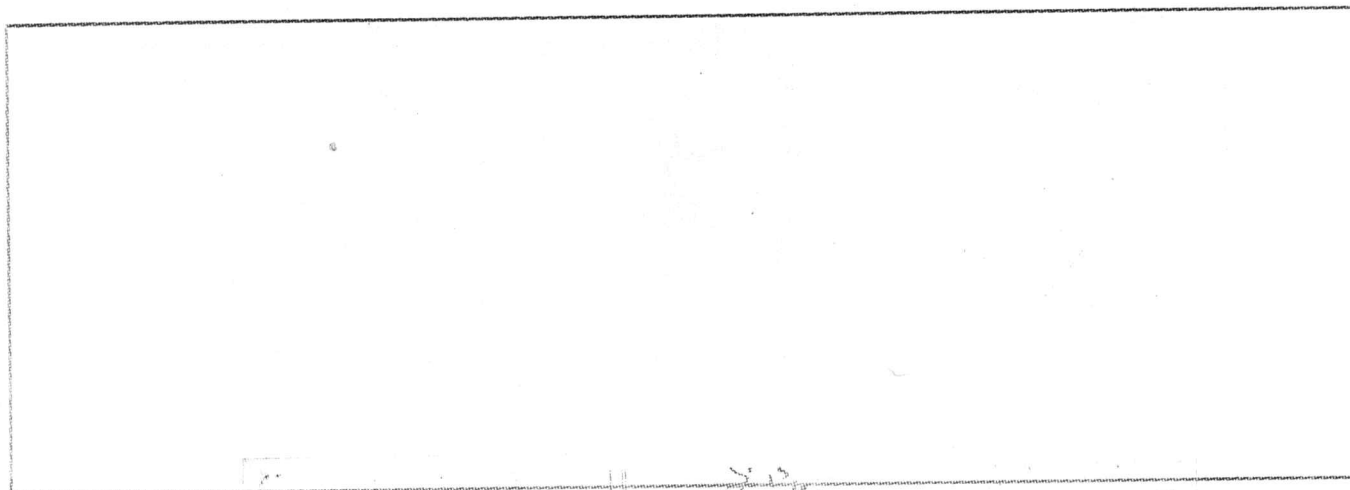
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>9</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>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>38</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>41</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>44</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>41</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>44</u>
P 4 <u>15</u>	<u>40</u>	<u>9</u>	<u>41</u>	<u>15</u>	<u>44</u>	<u>9</u>	<u>44</u>
P 5 <u>20</u>	<u>40</u>	<u>12</u>	<u>42</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>44</u>
P 6 <u>25</u>	<u>40</u>	<u>15</u>	<u>43</u>	<u>25</u>	<u>44</u>	<u>15</u>	<u>44</u>
P 7 <u>30</u>	<u>40</u>	<u>18</u>	<u>44</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>44</u>
P 8		<u>21</u>	<u>45</u>	<u>35</u>	<u>44</u>	<u>21</u>	<u>44</u>
P 9		<u>24</u>	<u>46</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>44</u>
P10		<u>27</u>	<u>47</u>	<u>45</u>	<u>44</u>	<u>27</u>	<u>44</u>
P11		<u>30</u>	<u>48</u>			<u>30</u>	<u>44</u>
P12							
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P17							
P18							
P19							
P20							

Berndt 4

SUN OILWELL CEMENTING, INC.
TEMPERATURE SURVEY
GREAT BEND, KANSAS

Company A. L. Abercrombie, Inc. Date 6-14-75
Well No. 4 Lease Berndt County Decatur Sec. 35 Twp. 2 Rge. 30
Depth of well 4000 Depth of Csg. Cmt. 2552 Size Csg. 7" Size of Hole 8 3/4
Amount of Cement 450 yd. 50/50 pos. cem. 6% gel - 75 yd. conc. cem.
Surveyed from 100' to 2485' at 75' min. Cement Top 1150
Remarks _____ Cement Leften Pipe 32'



A. L. Abercrombie, Inc.
Berndt #4. 35-2-30
Decatur Co., Kans.

