



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

10-28519w
Company Abercrombie Drilling Co. Lease & Well No. Einse1 B-1
Elevation _____ Formation Kansas City Effective Pay _____ Ft. Ticket No. 20139
Date 10-6-74 Sec. 10 Twp. 28S Range 18W County Kiowa State Kansas
Test Approved by Harold Stienkamp Western Representative Darrel Ferguson
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4218' to 4230' Total Depth 4230'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Top Packer Depth 4213 Ft. Size 6 3/4 Bottom Packer Depth 4218 Ft. Size 6 3/4
Straddle No Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 Tool Joint Size 4 1/2 Anchor Length 12 Ft. Size 5 1/2 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4222 Ft. Clock No. 6866 Depth 4224 Ft. Clock No. 8377
Top Make Kuster Cap. 4500 No. 3085 Inside _____ Outside _____ Bottom Make Kuster Cap. 4400 No. 2603 Inside _____ Outside _____
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____
Time Set Packer 3:25 A M
Tool Open I.F.P. From 3:30 M. to 3:45 M. Hr. 15 Min. From (B) 10 P.S.I. To (C) 10 P.S.I.
Tool Closed I.C.I.P. From 3:45 M. to 4:15 M. Hr. 30 Min (D) 456 P.S.I.
Tool Open F.F.P. From 4:15 M. to 4:45 M. Hr. 30 Min. From (E) 14 P.S.I. To (F) 14 P.S.I.
Tool Closed F.C.I.P. From 4:45 M. to 5:15 M. Hr. 30 Min. (G) 119 P.S.I.
Initial Hydrostatic Pressure (A) 2246 = P.S.I. Final Hydrostatic Pressure (H) 2204 P.S.I. Maximum Temp. 114

INFORMATION

BLOW Weak
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 25 feet drilling mud.

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 41 Weight 9.6 Water Loss 1018 cc. Chlorides 70,000
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint LN6 Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packers Yes Did Packers Hold? Yes Did Tool Plug? No Where? _____

DRILLING CONTRACTOR _____ Length Drill Pipe 3416 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 779 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 In. Length Drill Collars _____ Ft. I.D. Drill Collars _____ In.
Tool Joint Size _____ In. Length D.S.T. Tool 35 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-6-74 Test Ticket No. 20139
 Recorder No. 3085 Capacity 4500 Location 4222 Ft.
 Clock No. 6866 Elevation _____ Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2246</u> P.S.I.	Open Tool	<u>3:30A</u> M	
B First Initial Flow Pressure	<u>10</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>10</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>456</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>14</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>14</u> P.S.I.			
G Final Closed-in Pressure	<u>119</u> P.S.I.			
H Final Hydrostatic Mud	<u>2204</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>11</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>12</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>10</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>14</u>
P 2 <u>5</u>	<u>10</u>	<u>3</u>	<u>10</u>	<u>5</u>	<u>14</u>	<u>3</u>	<u>14</u>
P 3 <u>10</u>	<u>10</u>	<u>6</u>	<u>10</u>	<u>10</u>	<u>14</u>	<u>6</u>	<u>14</u>
P 4 <u>15</u>	<u>10</u>	<u>9</u>	<u>10</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>20</u>
P 5 _____		<u>12</u>	<u>23</u>	<u>20</u>	<u>14</u>	<u>12</u>	<u>27</u>
P 6 _____		<u>15</u>	<u>40</u>	<u>25</u>	<u>14</u>	<u>15</u>	<u>30</u>
P 7 _____		<u>18</u>	<u>95</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>32</u>
P 8 _____		<u>21</u>	<u>99</u>			<u>21</u>	<u>36</u>
P 9 _____		<u>24</u>	<u>174</u>			<u>24</u>	<u>47</u>
P10 _____		<u>27</u>	<u>267</u>			<u>27</u>	<u>57</u>
P11 _____		<u>30</u>	<u>380</u>			<u>30</u>	<u>74</u>
P12 _____		<u>33</u>	<u>456</u>			<u>33</u>	<u>95</u>
P13 _____						<u>36</u>	<u>119</u>
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



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10-285-18w
Company Abercrombie Drilling Co. Lease & Well No. Einsele B-1
Elevation _____ Formation Lansing Effective Pay _____ Ft. Ticket No. 20140
Date 10-6-74 Sec. 10 Twp. 28S Range 18W County Kiowa State Kansas
Test Approved by Harold Stienkamp Western Representative Darrel Ferguson
Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4238' to 4254' Total Depth 4254'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged ☒ Yes _____ No _____ Conv. _____ B.T. ☒ Damaged ☒ Yes _____ No _____
Top Packer Depth 4233 Ft. Size 6 3/4 Bottom Packer Depth 4238 Ft. Size 6 3/4
Straddle No 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 4250 Ft. Clock No. 6866 Depth 4252 Ft. Clock No. 8873
Top Make dKuster Cap. 4500 No. 3085 Inside Bottom Make Kuster Cap. 4400 No. 2693 Inside
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside Depth _____ Ft. Rec. No. _____ Clock No. _____ Inside
Time Set Packer 5:19 P M
Tool Open I.F.P. From 5:23 M. to 5:38 M. Hr. 15 Min. From (B) 38 P.S.I. To (C) 38 P.S.I.
Tool Closed I.C.I.P. From 5:38 M. to 6:23 M. Hr. 46 Min (D) 1305 P.S.I.
Tool Open F.F.P. From 6:23 M. to 7:23 M. Hr. 60 Min. From (E) 20 P.S.I. To (F) 20 P.S.I.
Tool Closed F.C.I.P. From 7:23 M. to 8:08 M. Hr. 45 Min. (G) 1159 P.S.I.
Initial Hydrostatic Pressure (A) 2278 P.S.I. Final Hydrostatic Pressure (H) 2159 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong throughout
Did Well Flow ☒ Yes _____ No _____ Recovery Total Ft. 62 feet drilling mud. Gas to surface in 45 min.

Reversed Out _____ Yes _____ No _____ Mud Type starch Viscosity 48 Weight 9.7 Water Loss 12.0 cc. Chlorides 58,000
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint No Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packer Y B Did Packers Hold? Yes Did Tool Plug? No Where? _____
DRILLING CONTRACTOR _____ Length Drill Pipe? 3436 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 779 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 IF In. Length Drill Collars _____ Ft. I.D. Drill Collars _____ In.
Tool Joint Size _____ In. Length D.S.T. Tool 39 Ft.

Remarks:

WESTERN TESTING CO., INC. Pressure Data

Date 10-6-74 Test Ticket No. 20140
Recorder No. 3085 Capacity 4500 Location 4250 Ft.
Clock No. 6866 Elevation _____ Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2278</u> P.S.I.	Open Tool	<u>5:23P</u> M	
B First Initial Flow Pressure	<u>38</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>38</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1305</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>20</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	~~XXXX~~ <u>20</u> P.S.I.			
G Final Closed-in Pressure	~~XXXX~~ <u>1159</u> P.S.I.			
H Final Hydrostatic Mud	<u>2159</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>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>38</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>20</u>
P 2 <u>5</u>	<u>38</u>	<u>3</u>	<u>195</u>	<u>5</u>	<u>20</u>	<u>3</u>	<u>145</u>
P 3 <u>10</u>	<u>38</u>	<u>6</u>	<u>332</u>	<u>10</u>	<u>20</u>	<u>6</u>	<u>250</u>
P 4 <u>15</u>	<u>38</u>	<u>9</u>	<u>468</u>	<u>15</u>	<u>20</u>	<u>9</u>	<u>353</u>
P 5 _____		<u>12</u>	<u>576</u>	<u>20</u>	<u>20</u>	<u>12</u>	<u>464</u>
P 6 _____		<u>15</u>	<u>685</u>	<u>25</u>	<u>20</u>	<u>15</u>	<u>558</u>
P 7 _____		<u>18</u>	<u>783</u>	<u>30</u>	<u>20</u>	<u>18</u>	<u>642</u>
P 8 _____		<u>21</u>	<u>877</u>	<u>35</u>	<u>20</u>	<u>21</u>	<u>715</u>
P 9 _____		<u>24</u>	<u>958</u>	<u>40</u>	<u>20</u>	<u>24</u>	<u>793</u>
P 10 _____		<u>27</u>	<u>1032</u>	<u>45</u>	<u>20</u>	<u>27</u>	<u>864</u>
P 11 _____		<u>30</u>	<u>1094</u>	<u>50</u>	<u>20</u>	<u>30</u>	<u>934</u>
P 12 _____		<u>33</u>	<u>1150</u>	<u>55</u>	<u>20</u>	<u>33</u>	<u>986</u>
P 13 _____		<u>36</u>	<u>1299</u>	<u>60</u>	<u>20</u>	<u>36</u>	<u>1032</u>
P 14 _____		<u>39</u>	<u>1236</u>			<u>39</u>	<u>1076</u>
P 15 _____		<u>42</u>	<u>1270</u>			<u>42</u>	<u>1117</u>
P 16 _____		<u>45</u>	<u>1305</u>			<u>45</u>	<u>1159</u>
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							



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10-285-18W

Company Abercrombie Drilling Co. Lease & Well No. Einsel B#1

Elevation _____ Formation Mississippian Effective Pay _____ Ft. Ticket No. 19011

Date 10-9-74 Sec. 10 Twp. 28S Range 18W County Kiowa State Kansas

Test Approved by Harold Steincamp Western Representative Darrel Ferguson

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4776' to 4800' Total Depth 4800'

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

Top Packer Depth 4771 Ft. Size 6 3/4 Bottom Packer Depth 4776 Ft. Size 6 3/4

Straddle No 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 24 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4792 Ft. Clock No. 8474 Depth 4797 Ft. Clock No. 6800

Top Make Kuster Cap. 4150 No. 2605 Inside _____ Outside _____ Bottom Make Kuster Cap. 4150 No. 969 Inside _____ Outside _____

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

Time Set Packer 6:02 P M

Tool Open I.F.P. From 6:06 M. to 6:21 M. Hr. 15 Min. From (B) 37 P.S.I. To (C) 37 P.S.I.

Tool Closed I.C.I.P. From 6:21 M. to 6:51 M. Hr. 30 Min (D) 472 P.S.I.

Tool Open F.F.P. From 6:51 M. to 7:51 M. Hr. 60 Min. From (E) 30 P.S.I. To (F) 30 P.S.I.

Tool Closed F.C.I.P. From 7:51 M. to 8:36 M. Hr. 45 Min. (G) 964 P.S.I.

Initial Hydrostatic Pressure (A) 2642 P.S.I. Final Hydrostatic Pressure (H) 2595 P.S.I. Maximum Temp. 128

INFORMATION

BLOW Pre=flow blew 14 min. and died. Second-good throughout.Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 180 feet gas in pipe. 30 feet mud.Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 50 Weight 9.8 Water Loss 12.6 cc. Chlorides 60,000EXTRA EQUIPMENT: Type Circ. Sub. P.n Safety Joint No Jars: Size _____ In. Make _____ Ser. No. _____Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? _____DRILLING CONTRACTOR _____ Length Drill Pipe 4354 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size _____ In.Length Weight Pipe 396 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size _____ In. Length Drill Collars _____ Ft. I.D. Drill Collars _____ In.Tool Joint Size _____ In. Length D.S.T. Tool 50 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-9-74 Test Ticket No. 19011

Recorder No. 2605 Capacity 4150 Location 4792 Ft.

Clock No. 8474 Elevation _____ Well Temperature 128 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2642</u> P.S.I.	<u>6:06p m</u>	
B First Initial Flow Pressure	<u>37</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>472</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>30</u> P.S.I.	<u>45</u> Mins.	<u>54</u> Mins.
F Second Final Flow Pressure	<u>30</u> P.S.I.		
G Final Closed-in Pressure	<u>964</u> P.S.I.		
H Final Hydrostatic Mud	<u>2595</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>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>18</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>37</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>30</u>
P 2 <u>5</u>	<u>37</u>	<u>3</u>	<u>64</u>	<u>5</u>	<u>30</u>	<u>3</u>	<u>99</u>
P 3 <u>10</u>	<u>37</u>	<u>6</u>	<u>107</u>	<u>10</u>	<u>30</u>	<u>6</u>	<u>182</u>
P 4 <u>15</u>	<u>37</u>	<u>9</u>	<u>161</u>	<u>15</u>	<u>30</u>	<u>9</u>	<u>256</u>
P 5		<u>12</u>	<u>206</u>	<u>20</u>	<u>30</u>	<u>12</u>	<u>326</u>
P 6		<u>15</u>	<u>251</u>	<u>25</u>	<u>30</u>	<u>15</u>	<u>394</u>
P 7		<u>18</u>	<u>299</u>	<u>30</u>	<u>30</u>	<u>18</u>	<u>463</u>
P 8		<u>21</u>	<u>345</u>	<u>35</u>	<u>30</u>	<u>21</u>	<u>516</u>
P 9		<u>24</u>	<u>391</u>	<u>40</u>	<u>30</u>	<u>24</u>	<u>576</u>
P 10		<u>27</u>	<u>440</u>	<u>45</u>	<u>30</u>	<u>27</u>	<u>628</u>
P 11		<u>30</u>	<u>472</u>	<u>50</u>	<u>30</u>	<u>30</u>	<u>674</u>
P 12				<u>55</u>	<u>30</u>	<u>33</u>	<u>728</u>
P 13				<u>60</u>	<u>30</u>	<u>36</u>	<u>773</u>
P 14						<u>39</u>	<u>809</u>
P 15						<u>42</u>	<u>849</u>
P 16						<u>45</u>	<u>885</u>
P 17						<u>48</u>	<u>923</u>
P 18						<u>51</u>	<u>954</u>
P 19						<u>54</u>	<u>964</u>
P 20							



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10-285-18w
Company Abercrombie Drilling Co. Lease & Well No. Einsel B-1
Elevation _____ Formation Mississippian Effective Pay _____ Ft. Ticket No. 19012
Date 10-10-74 Sec. 10 Twp. 28S Range 18W County Kiowa State Kansas
Test Approved by Harold Steincamp Western Representative Darrel Berguson
Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 4805' to 4825' Total Depth 4825'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Top Packer Depth 4800 Ft. Size 6 3/4 Bottom Packer Depth 4805 Ft. Size 6 3/4
Straddle No 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 20 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4817 Ft. Clock No. 8474 Depth 4822 Ft. Clock No. 6800
Top Make Kuster Cap. 4150 No. 2605 Inside _____ Outside _____ Bottom Make Kuster Cap. 4150 No. 969 Inside _____ Outside _____
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____
Time Set Packer 9:05 A M
Tool Open I.F.P. From 9:07 M. to 9:22 M. Hr. 15 Min. From (B) 25 P.S.I. To (C) 25 P.S.I.
Tool Closed I.C.I.P. From 9:22 M. to 10:07 M. Hr. 45 Min (D) 40 P.S.I.
Tool Open F.F.P. From 10:07 M. to 10:52 M. Hr. 45 Min. From (E) 29 P.S.I. To (F) 29 P.S.I.
Tool Closed F.C.I.P. From 10:52 M. to 11:37 M. Hr. 45 Min. (G) 29 P.S.I.
Initial Hydrostatic Pressure (A) 2651 P.S.I. Final Hydrostatic Pressure (H) 2624 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Weak, then died.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 30 feet drilling mud few oil specks ton top tool.

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 46 Weight 9.8 Water Loss 10.8 cc. Chlorides _____
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 _____ Length Drill Pipe? 4323 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size _____ In.
Length Weight Pipe 396 Ft. I.D. Weight Pipe 3.0 In. Tool Joint Size _____ In. Length Drill Collars 62 Ft. I.D. Drill Collars 2.25 In.
Tool Joint Size _____ In. Length D.S.T. Tool 44 Ft.
Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-10-74 Test Ticket No. 19012
 Recorder No. 2605 Capacity 4150 Location 4817 Ft.
 Clock No. 8474 Elevation _____ Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2651</u> P.S.I.	Open Tool	<u>9:07A</u> M	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure <u>75</u>	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>25</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>40</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>29</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>39</u> Mins.
F Second Final Flow Pressure	<u>29</u> P.S.I.			
G Final Closed-in Pressure	<u>29</u> P.S.I.			
H Final Hydrostatic Mud	<u>2624</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>13</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>13</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>25</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>29</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>25</u>	<u>5</u>	<u>29</u>	<u>3</u>	<u>29</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>25</u>	<u>10</u>	<u>29</u>	<u>6</u>	<u>29</u>
P 4 <u>15</u>	<u>25</u>	<u>9</u>	<u>25</u>	<u>15</u>	<u>29</u>	<u>9</u>	<u>29</u>
P 5		<u>12</u>	<u>27</u>	<u>20</u>	<u>29</u>	<u>12</u>	<u>29</u>
P 6		<u>15</u>	<u>30</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>29</u>
P 7		<u>18</u>	<u>31</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>29</u>
P 8		<u>21</u>	<u>33</u>	<u>35</u>	<u>29</u>	<u>21</u>	<u>29</u>
P 9		<u>24</u>	<u>34</u>	<u>40</u>	<u>29</u>	<u>24</u>	<u>29</u>
P10		<u>27</u>	<u>35</u>	<u>45</u>	<u>29</u>	<u>27</u>	<u>29</u>
P11		<u>30</u>	<u>37</u>			<u>30</u>	<u>29</u>
P12		<u>33</u>	<u>38</u>			<u>33</u>	<u>29</u>
P13		<u>36</u>	<u>39</u>			<u>36</u>	<u>29</u>
P14		<u>39</u>	<u>40</u>			<u>39</u>	<u>29</u>
P15							
P16							
P17							
P18							
P19							
P20							



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

10-285-16w

Company Abercrombie Drilling Co. Lease & Well No. Einsel B1
Elevation _____ Formation Mississippian Effective Pay _____ Ft. Ticket No. 19753
Date 10-11-74 Sec. 10 Twp. 28S Range 18W County Kiowa State Kansas
Test Approved by Harold Steincamp Western Representative Darrel Ferguson
Formation Test No. 5 O.K. ☒ Misrun _____ Interval Tested From 4761' to 4850' Total Depth 4850'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Top Packer Depth 4756 Ft. Size 6 3/4 Bottom Packer Depth 4761 Ft. Size 6 3/4
Straddle No 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 89 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4774 Ft. Clock No. 6899 Depth 4776 Ft. Clock No. 6895
Top Make Kuster Cap. 4000 No. 3600 Inside _____ Outside _____ Bottom Make Kuster Cap. 4000 No. 3659 Inside _____ Outside _____
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____
Time Set Packer 8:22 A _____ M _____
Tool Open I.F.P. From 8:25 M. to 8:55 M. _____ Hr. 30 Min. From (B) _____ P.S.I. To (C) 33 P.S.I.
Tool Closed I.C.I.P. From 8:55 M. to 9:55 M. _____ Hr. 60 Min (D) _____ P.S.I.
Tool Open F.F.P. From 9:55 M. to 10:55 M. _____ Hr. 60 Min. From (E) 35 P.S.I. To (F) 35 P.S.I.
Tool Closed F.C.I.P. From 10:55 M. to 11:55 M. _____ Hr. 60 Min. (G) 306 P.S.I.
Initial Hydrostatic Pressure (A) 2624 P.S.I. Final Hydrostatic Pressure (H) 2595 P.S.I. Maximum Temp. _____

INFORMATION

BLOW Fair throughout.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 45 feet mud; 600 feet gas in pipe.
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 42 Weight 9.7 Water Loss 13.4 cc. Chlorides _____
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 _____ Length Drill Pipe 4279 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size _____ In.
Length Weight Pipe 396 Ft. I.D. Weight Pipe 3 In. Tool Joint Size _____ In. Length Drill Collars 62 Ft. I.D. Drill Collars 2.25 In.
Tool Joint Size _____ In. Length D.S.T. Tool 113 Ft.
Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 10-11-74 Test Ticket No. 19753
Recorder No. 3660 Capacity 4000 Location 4774 Ft.
Clock No. 6899 Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2624</u> P.S.I.	Open Tool	<u>8:25A</u> M	
B First Initial Flow Pressure	<u>33</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>33</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>281</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>35</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>35</u> P.S.I.			
G Final Closed-in Pressure	<u>306</u> P.S.I.			
H Final Hydrostatic Mud	<u>2595</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>19</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</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>33</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>35</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>48</u>	<u>5</u>	<u>35</u>	<u>3</u>	<u>48</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>63</u>	<u>10</u>	<u>35</u>	<u>6</u>	<u>61</u>
P 4 <u>15</u>	<u>33</u>	<u>9</u>	<u>74</u>	<u>15</u>	<u>35</u>	<u>9</u>	<u>78</u>
P 5 <u>20</u>	<u>33</u>	<u>12</u>	<u>91</u>	<u>20</u>	<u>35</u>	<u>12</u>	<u>88</u>
P 6 <u>25</u>	<u>33</u>	<u>15</u>	<u>103</u>	<u>25</u>	<u>35</u>	<u>15</u>	<u>901</u>
P 7 <u>30</u>	<u>33</u>	<u>18</u>	<u>117</u>	<u>30</u>	<u>35</u>	<u>18</u>	<u>114</u>
P 8		<u>21</u>	<u>129</u>	<u>35</u>	<u>35</u>	<u>21</u>	<u>123</u>
P 9		<u>24</u>	<u>144</u>	<u>40</u>	<u>35</u>	<u>24</u>	<u>138</u>
P10		<u>27</u>	<u>161</u>	<u>45</u>	<u>35</u>	<u>27</u>	<u>148</u>
P11		<u>30</u>	<u>169</u>	<u>50</u>	<u>35</u>	<u>30</u>	<u>161</u>
P12		<u>33</u>	<u>184</u>	<u>55</u>	<u>35</u>	<u>33</u>	<u>176</u>
P13		<u>36</u>	<u>196</u>	<u>60</u>	<u>35</u>	<u>36</u>	<u>186</u>
P14		<u>39</u>	<u>211</u>			<u>39</u>	<u>204</u>
P15		<u>42</u>	<u>223</u>			<u>42</u>	<u>212</u>
P16		<u>45</u>	<u>237</u>			<u>45</u>	<u>226</u>
P17		<u>48</u>	<u>253</u>			<u>48</u>	<u>240</u>
P18		<u>51</u>	<u>266</u>			<u>51</u>	<u>252</u>
P19		<u>54</u>	<u>277</u>			<u>54</u>	<u>265</u>
P20		<u>57</u>	<u>281</u>			<u>57</u>	<u>279</u>
						<u>60</u>	<u>292</u>
						<u>63</u>	<u>306</u>