



Home Office: Great Bend, Kansas

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

Company Abercrombie Drilling Inc. Lease & Well No. Zander #1
Elevation 2667 Derrick Floor Formation Lansing-Kans. City Effective Pay _____ Ft. Ticket No. 16671
Date 4-20-72 Sec. 10 Twp. 3S Range 29W County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Mike Davenport

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3643' to 3685' Total Depth 3685'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 3638 Ft. Size 6 3/4" Packer Depth 3643 Ft. Size 6 3/4"
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 42 Ft. Size 5 1/2" O.D. Perf.

RECORDERS Depth 3672 Ft. Clock No. 9727 Depth 3675 Ft. Clock No. 6893
Top Make Kuster Cap 4150 No. 2604 Inside _____ Outside _____ Bottom Make Kuster Cap 4300 No. 1567 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap _____ No. _____ Inside _____ Outside _____

Time Set Packer 3:12 A. M.
Tool Open I.F.P. From 3:15 M. to 3:45A. M. Hr. 30 Min. From (B) 19 P.S.I. To (C) 21 P.S.I.
Tool Closed I.C.I.P. From 3:45 M. to 4:15A. M. Hr. 30 Min. (D) 70 P.S.I.
Tool Open F.F.P. From 4:15 M. to 4:45A. M. Hr. 30 Min. From (E) 34 P.S.I. To (F) 21 P.S.I.
Tool Closed F.C.I.P. From 4:45 M. to 5:15A. M. Hr. 30 Min. (G) 59 P.S.I.
Initial Hydrostatic Pressure (A) 1906 P.S.I. Final Hydrostatic Pressure (H) 1878 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW IFP-very weak blow for 30 min. FFP No blow Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5 feet mud - no show

Reversed Out _____ Yes ☒ No _____ Mud Type Chem. Viscosity 40 Weight 10.0 Water Loss 12.4 cc. Maximum Temp. 123 °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 2626 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 996 ft. I.D. Weight Pipe 3.5 in. Length Drill Collars _____ ft.
I.D. Drill Collars _____ in. Length D.S.T. Tool 63 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 4-20-72 Recorder No. 2604 Capacity 4150 Test Ticket No. 16671
 Clock No. 9727 Elevation 2667 Derrick Floor Location 3672 Ft. 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1906	P.S.I.	3:12	A _M
B First Initial Flow Pressure	19	P.S.I.	30	30 Mins.
C First Final Flow Pressure	21	P.S.I.	30	30 Mins.
D Initial Closed-in Pressure	70	P.S.I.	30	30 Mins.
E Second Initial Flow Pressure	34	P.S.I.	30	30 Mins.
F Second Final Flow Pressure	21	P.S.I.	30	30 Mins.
G Final Closed-in Pressure	59	P.S.I.		
H Final Hydrostatic Mud	1878	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>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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>19</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>21</u>
P 2 <u>5</u>	<u>19</u>	<u>3</u>	<u>22</u>	<u>5</u>	<u>25</u>	<u>3</u>	<u>21</u>
P 3 <u>10</u>	<u>19</u>	<u>6</u>	<u>23</u>	<u>10</u>	<u>21</u>	<u>6</u>	<u>22</u>
P 4 <u>15</u>	<u>19</u>	<u>9</u>	<u>23</u>	<u>15</u>	<u>21</u>	<u>9</u>	<u>23</u>
P 5 <u>20</u>	<u>20</u>	<u>12</u>	<u>24</u>	<u>20</u>	<u>21</u>	<u>12</u>	<u>25</u>
P 6 <u>25</u>	<u>21</u>	<u>15</u>	<u>26</u>	<u>25</u>	<u>21</u>	<u>15</u>	<u>29</u>
P 7 <u>30</u>	<u>21</u>	<u>18</u>	<u>30</u>	<u>30</u>	<u>21</u>	<u>18</u>	<u>33</u>
P 8 _____		<u>21</u>	<u>36</u>			<u>21</u>	<u>38</u>
P 9 _____		<u>24</u>	<u>46</u>			<u>24</u>	<u>44</u>
P10 _____		<u>27</u>	<u>59</u>			<u>27</u>	<u>53</u>
P11 _____		<u>30</u>	<u>70</u>			<u>30</u>	<u>59</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

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(A)

(A)

(C)

(E)

(E)

(D)

(C)

(D)

1547



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Company **Abercrombie Drilling Inc.** Lease & Well No. **Zander #1**
Elevation **2667 Derrick Floor** Formation **Kansas City** Effective Pay _____ Ft. Ticket No. **16672**
Date **4-20-72** Sec. **10** Twp. **3S** Range **29W** County **Decatur** State **Kansas**
Test Approved by **Jack K. Wharton** Western Representative **Mike Davenport**
Formation Test No. **2** O.K. ☒ Misrun _____ Interval Tested From **3695'** to **3711'** Total Depth **3711'**
Size Main Hole **7 7/8"** Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No
Packer Depth **3690** Ft. Size **6 3/4"** Packer Depth **3695** Ft. Size **6 3/4"**
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H.** Anchor Length **16** Ft. Size **5 1/2" O.D.**
RECORDERS Depth **3702** Ft. Clock No. **9727** Depth **3705** Ft. Clock No. **6893**
Top Make **Kuster** Cap **4150** No. **2604** Inside ~~Outside~~ Bottom Make **Kuster** Cap **4300** No. **1567** ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap _____ No. _____ Inside _____ Outside _____

Time Set Packer **6:17** P.M.
Tool Open I.F.P. From **6:00** M. to **6:40P.** M. Hr. **20** Min. From (B) **21** P.S.I. To (C) **13** P.S.I.
Tool Closed I.C.I.P. From **6:40** M. to **7:25P.** M. Hr. **45** Min. (D) **15** P.S.I.
Tool Open F.F.P. From **7:25** M. to **7:55P.** M. Hr. **30** Min. From (E) **14** P.S.I. To (F) **14** P.S.I.
Tool Closed F.C.I.P. From **7:55** M. to **8:40P.** M. Hr. **45** Min. (G) **14** P.S.I.
Initial Hydrostatic Pressure (A) **1839** P.S.I. Final Hydrostatic Pressure (H) **1821** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW **Weak blow for 17 min. and died (FFP) no blow Flush tool - no help** 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 **38** Weight **10.0** Water Loss **10.4** cc. Maximum Temp. **123** °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 **2679** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **996** ft. I.D. Weight Pipe **3.5** in. Length Drill Collars _____ ft.
I.D. Drill Collars _____ in. Length D.S.T. Tool **36** ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 4-20-72 Recorder No. 2604 Capacity 4150 Test Ticket No. 16672
 Clock No. 9727 Elevation 2667 Derrick Floor Location 3702 Ft. Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1839</u> P.S.I.	Open Tool	<u>6:20 P.</u> M	
B First Initial Flow Pressure	<u>21</u> P.S.I.	First Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>13</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>15</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>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>14</u> P.S.I.			
G Final Closed-in Pressure	<u>14</u> P.S.I.			
H Final Hydrostatic Mud	<u>1821</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>#015</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>#015</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>21</u>	<u>0</u>	<u>13</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>14</u>
P 2 <u>5</u>	<u>13</u>	<u>3</u>	<u>13</u>	<u>5</u>	<u>14</u>	<u>3</u>	<u>14</u>
P 3 <u>10</u>	<u>13</u>	<u>6</u>	<u>13</u>	<u>10</u>	<u>14</u>	<u>6</u>	<u>14</u>
P 4 <u>15</u>	<u>13</u>	<u>9</u>	<u>13</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>14</u>
P 5 <u>20</u>	<u>13</u>	<u>12</u>	<u>13</u>	<u>20</u>	<u>14</u>	<u>12</u>	<u>14</u>
P 6 _____		<u>15</u>	<u>13</u>	<u>25</u>	<u>14</u>	<u>15</u>	<u>14</u>
P 7 _____		<u>18</u>	<u>13</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>14</u>
P 8 _____		<u>21</u>	<u>14</u>			<u>21</u>	<u>14</u>
P 9 _____		<u>24</u>	<u>14</u>			<u>24</u>	<u>14</u>
P10 _____		<u>27</u>	<u>15</u>			<u>27</u>	<u>14</u>
P11 _____		<u>30</u>	<u>15</u>			<u>30</u>	<u>14</u>
P12 _____		<u>33</u>	<u>15</u>			<u>33</u>	<u>14</u>
P13 _____		<u>36</u>	<u>15</u>			<u>36</u>	<u>14</u>
P14 _____		<u>39</u>	<u>15</u>			<u>39</u>	<u>14</u>
P15 _____		<u>42</u>	<u>15</u>			<u>42</u>	<u>14</u>
P16 _____		<u>45</u>	<u>15</u>			<u>45</u>	<u>14</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							

T.K.T. # 16672-I

