



Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Summer # 1

Elevation 2546 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 14484

Date 9-12-69 Sec. 4 Twp. 1s Range 26w County Decatur State Kansas

Test Approved by Jack Wharton Western Representative Guy M. Knipe

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3294' to 3340' Total Depth 3340'

Size Main Hole 6 3/4 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No

Packer Depth 3289 Ft. Size 5 1/2 Packer Depth 3294 Ft. Size 5 1/2

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

Packer Depth _____ Ft. Size _____

Tool Size 4 3/4" OD Tool Jt. Size 3 1/2" IF Anchor Length 46 Ft. Size 30" DC--16" Perf

RECORDERS Depth 3301 Ft. Clock No. 6893 Depth 3304 Ft. Clock No. 4964

Top Make Kuster Cap. 3150 No. 1562 Inside Bottom Make Kuster Cap. 3150 No. 1563 Inside

Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside

Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside

Time Set Packer 1:42P M

Tool Open I.F.P. From 1:45 M. to 2:00P M. Hr. 15 Min. From (B) 36 P.S.I. To (C) 39 P.S.I.

Tool Closed I.C.I.P. From 2:00 M. to 2:30P M. Hr. 30 Min. (D) 1105 P.S.I.

Tool Open F.F.P. From 2:30 M. to 4:00P M. 1 Hr. 30 Min. From (E) 51 P.S.I. To (F) 107 P.S.I.

Tool Closed F.C.I.P. From 4:00 M. to 4:30P M. Hr. 30 Min. (G) 1007 P.S.I.

Initial Hydrostatic Pressure (A) 1697 P.S.I. Final Hydrostatic Pressure (H) 1686 P.S.I.

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

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Weak increased to 2 " blow Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5 feet free oil --45 feet oil cut mud--126 feet

oil cut muddy water

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 39 Weight 9.6 Water Loss 7.2 cc. Maximum Temp. 96 °F

Type Circ. Sub. pin Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers 2 Safety Joint no Did Packer Hold? yes Where? _____

Length Drill Pipe 1528 ft. I.D. Drill Pipe 3" in. Length Weight Pipe 1745 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 67 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 9-12-69 Test Ticket No. 14484
 Recorder No. 1562 Capacity 3150 Location 3301 Ft.
 Clock No. 6893 Elevation 2546 Kelly Bushing Well Temperature 96 °F

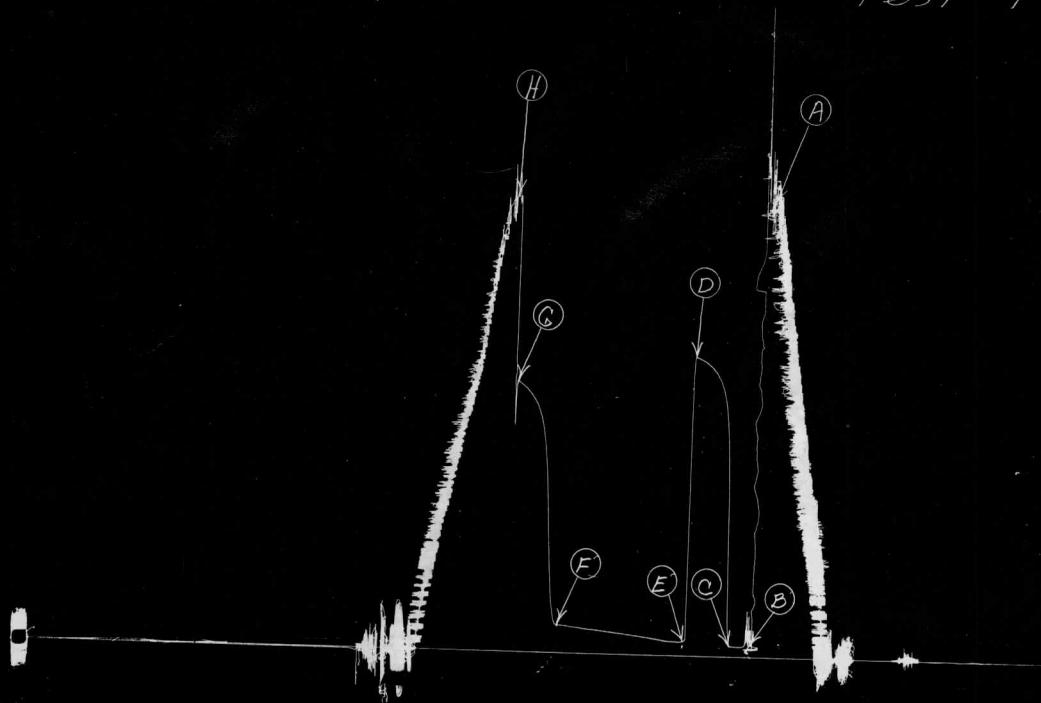
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1697</u> P.S.I.	Open Tool	<u>1:42P</u> M	
B First Initial Flow Pressure <u>36</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure <u>39</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure <u>1105</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure <u>51</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure <u>107</u> P.S.I.			
G Final Closed-in Pressure <u>1007</u> P.S.I.			
H Final Hydrostatic Mud <u>1686</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>18</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>36</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>107</u>
P 2 <u>5</u>	<u>37</u>	<u>3</u>	<u>653</u>	<u>5</u>	<u>51</u>	<u>3</u>	<u>209</u>
P 3 <u>10</u>	<u>38</u>	<u>6</u>	<u>940</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>488</u>
P 4 <u>15</u>	<u>39</u>	<u>9</u>	<u>1009</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>776</u>
P 5 _____	_____	<u>12</u>	<u>1042</u>	<u>20</u>	<u>59</u>	<u>12</u>	<u>878</u>
P 6 _____	_____	<u>15</u>	<u>1064</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>922</u>
P 7 _____	_____	<u>18</u>	<u>1078</u>	<u>30</u>	<u>67</u>	<u>18</u>	<u>950</u>
P 8 _____	_____	<u>21</u>	<u>1091</u>	<u>35</u>	<u>72</u>	<u>21</u>	<u>970</u>
P 9 _____	_____	<u>24</u>	<u>1098</u>	<u>40</u>	<u>75</u>	<u>24</u>	<u>987</u>
P10 _____	_____	<u>27</u>	<u>1103</u>	<u>45</u>	<u>80</u>	<u>27</u>	<u>1001</u>
P11 _____	_____	<u>20</u>	<u>1105</u>	<u>50</u>	<u>81</u>	<u>30</u>	<u>1007</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>84</u>	_____	_____
P13 _____	_____	_____	_____	<u>60</u>	<u>87</u>	_____	_____
P14 _____	_____	_____	_____	<u>65</u>	<u>91</u>	_____	_____
P15 _____	_____	_____	_____	<u>70</u>	<u>94</u>	_____	_____
P16 _____	_____	_____	_____	<u>75</u>	<u>97</u>	_____	_____
P17 _____	_____	_____	_____	<u>80</u>	<u>101</u>	_____	_____
P18 _____	_____	_____	_____	<u>85</u>	<u>105</u>	_____	_____
P19 _____	_____	_____	_____	<u>90</u>	<u>107</u>	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Abercrombie Drlg Inc.
Summer #1

T.K.T. # 14484
Test # 1





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

Company Abercrombie Drilling Inc. Lease & Well No. Summer # 1
Elevation 2546 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 14485
Date 9-13-69 Sec. 4 Twp. 1s Range 26w County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Guy M. Knipe
Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 3336' to 3380' Total Depth 3380'
Size Main Hole 6 3/4" Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3331 Ft. Size 5 1/2 Packer Depth 3336 Ft. Size 5 1/2
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Tool Size 4 3/4" OD Packer Depth _____ Ft. Size _____
Tool Jt. Size 3 1/2" IF Anchor Length _____ Ft. Size 30' DC 24' perf
RECORDERS Depth 3343 Ft. Clock No. 6898 Depth 3346 Ft. Clock No. 4964
Top Make Kuster Cap. 3150 No. 1562 Inside _____ Outside _____ Bottom Make Kuster Cap. 3150 No. 1563 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 11:42A M
Tool Open I.F.P. From 11:45 M. to 12:15P M. Hr. 30 Min. From (B) 40 P.S.I. To (C) 54 P.S.I.
Tool Closed I.C.I.P. From 12:15 M. to 12:45P M. Hr. 30 Min. (D) 1080 P.S.I.
Tool Open F.F.P. From 12:45 M. to 1:45P M. Hr. 60 Min. From (E) 69 P.S.I. To (F) 89 P.S.I.
Tool Closed F.C.I.P. From 1:45 M. to 2:15P M. Hr. 30 Min. (G) 1063 P.S.I.
Initial Hydrostatic Pressure (A) 1800 P.S.I. Final Hydrostatic Pressure (H) 1771 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak thru out test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 2 feet free oil 3 feet mud cut oil 126 feet mud cut
oily water
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 41 Weight 9.8 Water Loss 6.8 cc. Maximum Temp. 98 °F
Type Circ. Sub. pin Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers 2 Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 1567 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1945 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 68 ft.
Remarks Pressures from 1563

WESTERN TESTING CO., INC.

Pressure Data

Date September 9-13-69 Test Ticket No. 14485
 Recorder No. 1563 Capacity 3150 Location 3346 Ft.
 Clock No. 4964 Elevation 2546 Kelly Bushing Well Temperature 98 °F

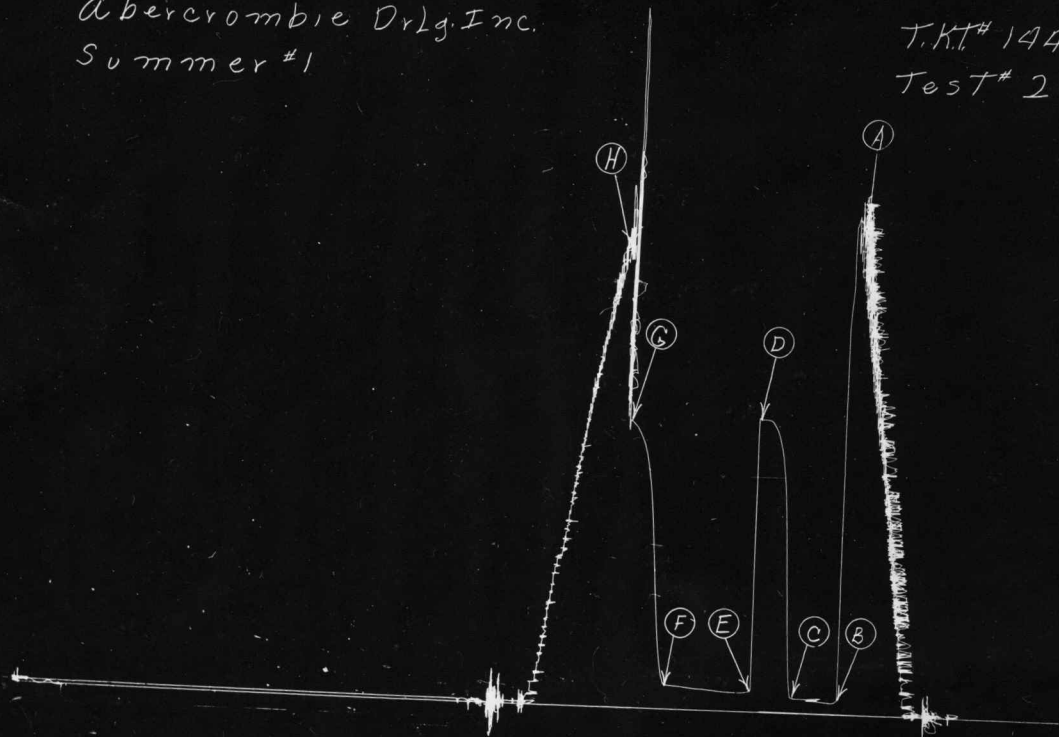
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1800 P.S.I.	11:42A M	
B First Initial Flow Pressure	40 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	54 P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1080 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	69 P.S.I.	30 Mins.	30 Mins.
F Second Final Flow Pressure	89 P.S.I.		
G Final Closed-in Pressure	1063 P.S.I.		
H Final Hydrostatic Mud	1771 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>12</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> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>40</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>89</u>
P 2 <u>5</u>	<u>41</u>	<u>3</u>	<u>214</u>	<u>5</u>	<u>69</u>	<u>3</u>	<u>153</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>599</u>	<u>10</u>	<u>69</u>	<u>6</u>	<u>309</u>
P 4 <u>15</u>	<u>48</u>	<u>9</u>	<u>871</u>	<u>15</u>	<u>71</u>	<u>9</u>	<u>540</u>
P 5 <u>20</u>	<u>50</u>	<u>12</u>	<u>981</u>	<u>20</u>	<u>72</u>	<u>12</u>	<u>773</u>
P 6 <u>25</u>	<u>52</u>	<u>15</u>	<u>1039</u>	<u>25</u>	<u>74</u>	<u>15</u>	<u>897</u>
P 7 <u>30</u>	<u>54</u>	<u>18</u>	<u>1064</u>	<u>30</u>	<u>76</u>	<u>18</u>	<u>971</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>1075</u>	<u>35</u>	<u>78</u>	<u>21</u>	<u>1001</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1077</u>	<u>40</u>	<u>80</u>	<u>24</u>	<u>1039</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1077</u>	<u>45</u>	<u>83</u>	<u>27</u>	<u>1058</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1080</u>	<u>50</u>	<u>86</u>	<u>30</u>	<u>1063</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>89</u>	<u> </u>	<u> </u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>60</u>	<u>89</u>	<u> </u>	<u> </u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Abercrombie Drlg. Inc.
Summer #1

T.K.T. # 14485
Test # 2





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

Company A. J. Jercrombie Drilling Co. Lease & Well No. Summer # 1
Elevation 2546 Kelly B using Formation Kansas City Effective Pay _____ Ft. Ticket No. 14486
Date 9-14-69 Sec. 4 Twp. 1s Range 26w County Decatur State Kansas
Test Approved by Jack K. Wharton Western Representative Guy M. Knipe
Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 3422' to 3460' Total Depth 3460'
Size Main Hole 6 3/4" Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. _____ Damaged Yes ☒ No
Packer Depth 3417 Ft. Size 5 1/2" Packer Depth 3422 Ft. Size 5 1/2"
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Tool Size 4 3/4" OD Tool Jt. Size 3 1/2" IF Anchor Length 38 Ft. Size 4 1/2" OD
RECORDERS Depth 3447 Ft. Clock No. 6893 Depth 3450 Ft. Clock No. 4964
Top Make Kuster Cap. 3150 No. 1562 Inside Bottom Make Kuster Cap. 3150 No. 1563 Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
Time Set Packer 2:41A M
Tool Open I.F.P. From 2:45 M. to 3:00A M. Hr. 15 Min. From (B) 94 P.S.I. To (C) 144 P.S.I.
Tool Closed I.C.I.P. From 3:00 M. to 3:30 M. Hr. 30 Min. (D) 1065 P.S.I.
Tool Open F.F.P. From 3:30 M. to 4:30 M. 1 Hr. - Min. From (E) 177 P.S.I. To (F) 329 P.S.I.
Tool Closed F.C.I.P. From 4:30 M. to 5:00A M. Hr. 30 Min. (G) 966 P.S.I.
Initial Hydrostatic Pressure (A) 1796 P.S.I. Final Hydrostatic Pressure (H) 1879 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Strong blow thru out test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 93 feet slight oil cut mud-- 63 feet oil cut mud--
252 feet muddy oil--315 feet heavy mud cut oil
Reversed Out _____ Yes _____ No Mud Type starch Viscosity 41 Weight 9.8 Water Loss 6.8 cc. Maximum Temp. 101 °F
Type Circ. Sub. pin Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers 2 Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 1656 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1745 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 59 ft.
Remarks Slid tool 20 feet oto bottom

WESTERN TESTING CO., INC.

Pressure Data

Date 9-14-69 Test Ticket No. 14486
 Recorder No. 1562 Capacity 3150 Location 3447 Ft.
 Clock No. 6893 Elevation 1546 Kelly Bushing Well Temperature 101 °F

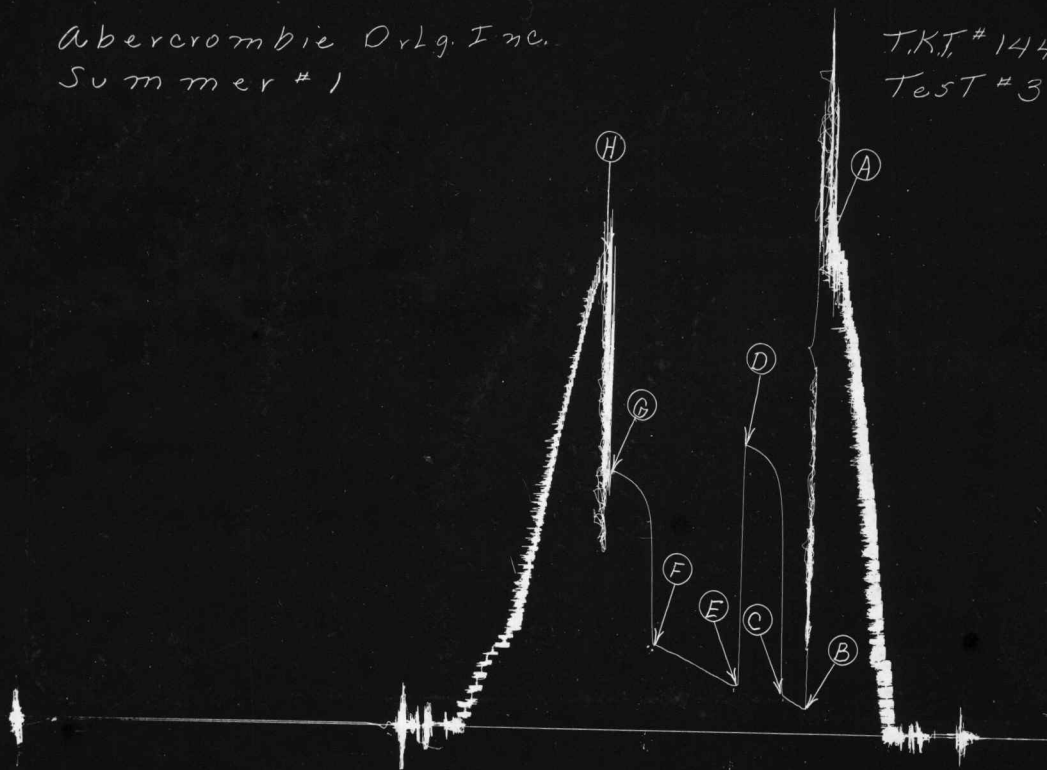
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1796</u> P.S.I.	Open Tool	<u>2:41A</u> M	
B First Initial Flow Pressure	<u>94</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>17</u> Mins.
C First Final Flow Pressure	<u>1144</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1065</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>177</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>329</u> P.S.I.			
G Final Closed-in Pressure	<u>966</u> P.S.I.			
H Final Hydrostatic Mud	<u>1779</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>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>94</u>	<u>0</u>	<u>144</u>	<u>0</u>	<u>177</u>	<u>0</u>	<u>329</u>
P 2 <u>5</u>	<u>103</u>	<u>3</u>	<u>808</u>	<u>5</u>	<u>179</u>	<u>3</u>	<u>751</u>
P 3 <u>10</u>	<u>119</u>	<u>6</u>	<u>940</u>	<u>10</u>	<u>193</u>	<u>6</u>	<u>851</u>
P 4 <u>15</u>	<u>138</u>	<u>9</u>	<u>984</u>	<u>15</u>	<u>209</u>	<u>9</u>	<u>884</u>
P 5 <u>17</u>	<u>144</u>	<u>12</u>	<u>1010</u>	<u>20</u>	<u>223</u>	<u>12</u>	<u>904</u>
P 6 _____	_____	<u>15</u>	<u>1026</u>	<u>25</u>	<u>240</u>	<u>15</u>	<u>922</u>
P 7 _____	_____	<u>18</u>	<u>1039</u>	<u>30</u>	<u>256</u>	<u>18</u>	<u>936</u>
P 8 _____	_____	<u>21</u>	<u>1050</u>	<u>35</u>	<u>270</u>	<u>21</u>	<u>945</u>
P 9 _____	_____	<u>24</u>	<u>1056</u>	<u>40</u>	<u>286</u>	<u>24</u>	<u>954</u>
P10 _____	_____	<u>27</u>	<u>1061</u>	<u>45</u>	<u>296</u>	<u>27</u>	<u>962</u>
P11 _____	_____	<u>30</u>	<u>1065</u>	<u>50</u>	<u>311</u>	<u>30</u>	<u>966</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>326</u>	_____	_____
P13 _____	_____	_____	_____	<u>60</u>	<u>329</u>	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Abercrombie Orig. Inc.
Summer # 1

T.K.I. # 14486
Test # 3





Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Summer # 1

Elevation 2546 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 14487

Date 9-14-69 Sec. 4 Twp. 1s Range 26W County Decatur State Kansas

Test Approved by Jack K. Wharton Western Representative Guy M. Knipe

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 3455' to 3515' Total Depth 3515'

Size Main Hole 5 3/4" Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No Conv. ☒ B.T. _____ Damaged Yes ☒ No

Packer Depth 3450 Ft. Size 5 1/2 Packer Depth 3455 Ft. Size 5 1/2

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

Packer Depth _____ Ft. Size _____

Tool Size 4 3/4" OD Tool Jt. Size 3 1/2" IF Anchor Length 60 Ft. Size 30" DC--30" Perg

RECORDERS Depth 3457 Ft. Clock No. 6893 Depth 3460 Ft. Clock No. 4964

Top Make Kuster Cap. 3150 No. 1562 ~~Inside~~ Outside Bottom Make Kuster Cap. 3150 No. 1563 ~~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 6:27P M

Tool Open I.F.P. From 6:30 M. to 7:00P M. Hr. 30 Min. From (B) 23 P.S.I. To (C) 27 P.S.I.

Tool Closed I.C.I.P. From 7:00 M. to 7:30P M. Hr. 30 Min. (D) 746 P.S.I.

Tool Open F.F.P. From 7:30 M. to 8:30P M. 1 Hr. - Min. From (E) 34 P.S.I. To (F) 51 P.S.I.

Tool Closed F.C.I.P. From 8:30 M. to 9:00P M. Hr. 30 Min. (G) 265 P.S.I.

Initial Hydrostatic Pressure (A) 1783 P.S.I. Final Hydrostatic Pressure (H) 1772 P.S.I.

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

INFORMATION _____ M. _____ M. _____ M.

BLOW Weak thru out test Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 78 feet oil cut mud

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 36 Weight 9.6 Water Loss _____ cc. Maximum Temp. 101 °F

Type Circ. Sub. pin Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers. 1690 2 Safety Joint no Did Packer Hold? yes Where? _____

Length Drill Pipe 1690 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1745 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 80 ft.

Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 9-14-69 Test Ticket No. 14487
 Recorder No. 1562 Capacity 3150 Location 3457 Ft.
 Clock No. 6893 Elevation 2546 Kelly Bushing Well Temperature 101 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1783</u> P.S.I.	<u>6:30P</u> M	
B First Initial Flow Pressure	<u>23</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>27</u> P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>746</u> P.S.I.	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>34</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>51</u> P.S.I.		
G Final Closed-in Pressure	<u>265</u> P.S.I.		
H Final Hydrostatic Mud	<u>1772</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>9</u> Inc.		Breakdown: <u>11</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> </u> Min.		final inc. of <u>2</u> Min.		final inc. of <u>4</u> Min.		final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>23</u>	<u>0</u>	<u>27</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>51</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>37</u>	<u>5</u>	<u>36</u>	<u>3</u>	<u>56</u>
P 3 <u>10</u>	<u>26</u>	<u>6</u>	<u>118</u>	<u>19</u>	<u>39</u>	<u>6</u>	<u>67</u>
P 4 <u>15</u>	<u>27</u>	<u>9</u>	<u>171</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>80</u>
P 5 <u>20</u>	<u>27</u>	<u>12</u>	<u>244</u>	<u>20</u>	<u>43</u>	<u>12</u>	<u>94</u>
P 6 <u>25</u>	<u>28</u>	<u>15</u>	<u>346</u>	<u>25</u>	<u>43</u>	<u>15</u>	<u>113</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>468</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>129</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>574</u>	<u>35</u>	<u>44</u>	<u>21</u>	<u>157</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>658</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>189</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>721</u>	<u>45</u>	<u>48</u>	<u>27</u>	<u>227</u>
P11 <u> </u>	<u> </u>	<u>29</u>	<u>746</u>	<u>50</u>	<u>48</u>	<u>20</u>	<u>265</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>48</u>	<u> </u>	<u> </u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>60</u>	<u>48 51</u>	<u> </u>	<u> </u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Abercrombie DrLg. Inc.
Summer #1

T.K.T.# 14487
Test# 4

