



Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company Abercrombie Drilling, Inc. Lease & Well No. Linke #1
Elevation 1884 Derrick Floor Formation Kansas City Ticket Number 6821
Date Jan. 21, 1966 Sec. 27 Twp. 21s Range 13W County Stafford State Kansas
Test Approved by Jack K. Wharton Western Representative W. M. Nething

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3340' to 3375' Total Depth 3375'
Size Main Hole 6 3/4 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☐ No ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☐ No
Packer Depth 3340 Ft. Size 5 1/2 Packer Depth 3335 Ft. Size 5 1/2
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth Ft. Size

Tool Size 4 1/2 OD Tool Jt. Size 4FH & 3 1/2 I.F. Anchor Length 35 Ft. Size 4 1/2 OD

RECORDERS Depth 3350 Ft. Clock No. 6896 Depth 3352 Ft. Clock No. 153

Top Make Amerada Cap. 3150 No. 1563 Inside Bottom Make Western Cap. 4000 No. 17 Outside

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

Top Make Cap. No. Inside Bottom Make Cap. No. Outside

Time Set Packer 12:25 A M

Tool Open I.F.P. From 12:28A M to 12:33A M Hr. 5 Min. From (B) 518 P.S.I. To (C) 518 P.S.I.

Tool Closed I.C.I.P. From 12:33A M to 1:33 M Hr. 60 Min. (D) 1195 P.S.I.

Tool Open F.F.P. From 1:33A M to 1:45 M Hr. 12 Min. From (E) 595 P.S.I. To (F) 753 P.S.I.

Tool Closed F.C.I.P. From 1:45A M to 2:45A M Hr. 60 Min. (G) 1139 P.S.I.

Initial Hydrostatic Pressure (A) 1784 P.S.I. Final Hydrostatic Pressure (H) 1773 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow

INFORMATION M.

 M.

 M.

BLOW Very strong blow. Gas to surface 1 1/2 minutes. Bottom Choke Size 3/4 In.

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. Mud to surface five minutes. Oil to surface ten minutes.

Reversed out. Bottom two stands: 120' muddy oil Mud

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 40 Weight 10.1 Maximum Temp. 105 °F

EXTRA EQUIPMENT: Dual Packers dual Safety Joint no Jars: Size no Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2608 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 500 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 212 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 55 ft.

Remarks Oil to surface ten minutes. Est. Gas flow @1,000,000 M.C.F. Gas.

WESTERN TESTING CO., INC.

Pressure Data

Date January 21, 1966 Test Ticket No. 6821
 Recorder No. 1563 Capacity 4300 Location 3350 Ft.
 Clock No. 6896 Elevation 1884 derrick Floor Well Temperature 105 °F

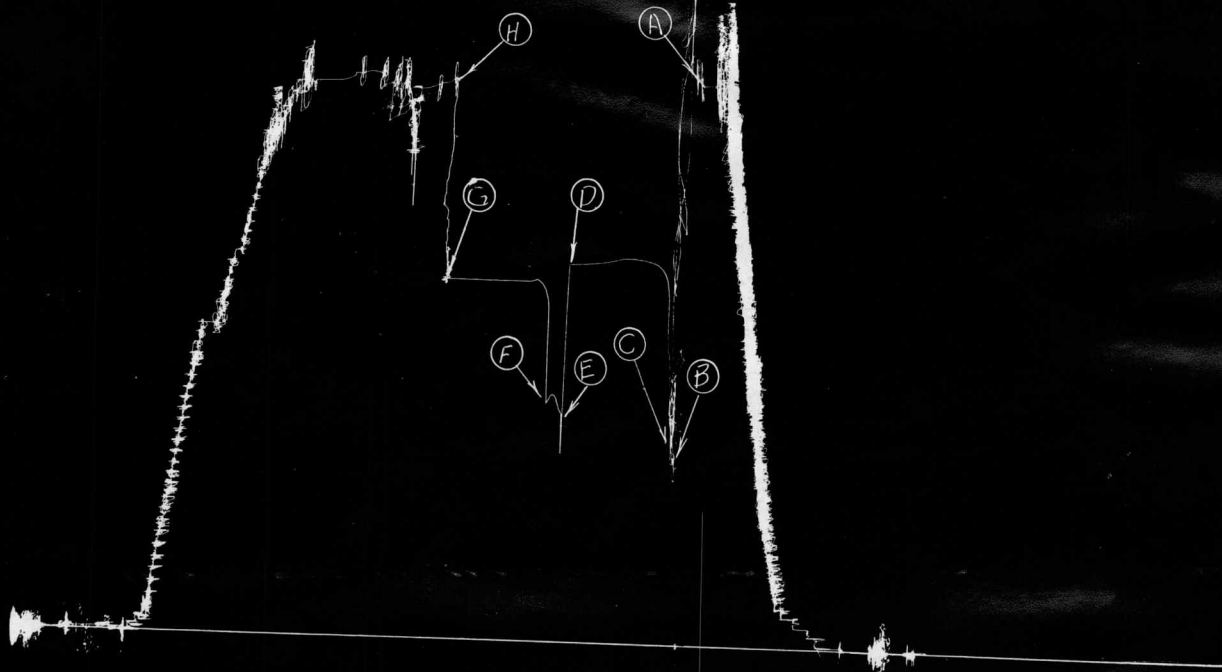
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1784</u> P.S.I.	Opened Tool	<u>12:25A</u> M	
B First Initial Flow Pressure	<u>518</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>518</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1195</u> P.S.I.	Second Flow Pressure	<u>12</u> Mins.	<u>10</u> Mins.
E Second Initial Flow Pressure	<u>595</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>753</u> P.S.I.			
G Final Closed-in Pressure	<u>1139</u> P.S.I.			
H Final Hydrostatic Mud	<u>1773</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>2</u> Inc.		Breakdown: <u>20</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>518</u>	<u>0</u>	<u>518</u>	<u>0</u>	<u>595</u>	<u>0</u>	<u>753</u>
P 2 <u>5</u>	<u>518</u>	<u>3</u>	<u>1112</u>	<u>5</u>	<u>778</u>	<u>3</u>	<u>1116</u>
P 3		<u>6</u>	<u>1180</u>	<u>10</u>	<u>753</u>	<u>6</u>	<u>1139</u>
P 4		<u>9</u>	<u>1199</u>			<u>9</u>	<u>1139</u>
P 5		<u>12</u>	<u>1208</u>			<u>12</u>	<u>1139</u>
P 6		<u>15</u>	<u>1213</u>			<u>15</u>	<u>1139</u>
P 7		<u>18</u>	<u>1216</u>			<u>18</u>	<u>1139</u>
P 8		<u>21</u>	<u>1218</u>			<u>21</u>	<u>1139</u>
P 9		<u>24</u>	<u>1219</u>			<u>24</u>	<u>1139</u>
P10		<u>27</u>	<u>1219</u>			<u>27</u>	<u>1139</u>
P11		<u>30</u>	<u>1219</u>			<u>30</u>	<u>1139</u>
P12		<u>33</u>	<u>1216</u>			<u>33</u>	<u>1139</u>
P13		<u>36</u>	<u>1210</u>			<u>36</u>	<u>1139</u>
P14		<u>39</u>	<u>1206</u>			<u>39</u>	<u>1139</u>
P15		<u>42</u>	<u>1203</u>			<u>42</u>	<u>1139</u>
P16		<u>45</u>	<u>1200</u>			<u>45</u>	<u>1139</u>
P17		<u>48</u>	<u>1198</u>			<u>48</u>	<u>1139</u>
P18		<u>51</u>	<u>1197</u>			<u>51</u>	<u>1139</u>
P19		<u>54</u>	<u>1196</u>			<u>54</u>	<u>1139</u>
P20		<u>57</u>	<u>1195</u>			<u>57</u>	<u>1139</u>
		<u>60</u>	<u>1195</u>			<u>60</u>	<u>1139</u>

ABERCROMBIE DRLG. INC.
LINKE #1

TEST #1
TKT # 6821





Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company Abercrombie Drilling Co. Lease & Well No. Linke #1
Elevation 1884 Derrick Floor Formation Kansas City Ticket Number 6822
Date Jan. 21, 1966 Sec. 27 Twp. 21s Range 13W County Stafford State Kansas
Test Approved by Jack K. Wharton Western Representative W. M. Nething

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 3385' to 3410' Total Depth 3410'
Size Main Hole 6 3/4 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____
Packer Depth 3385 Ft. Size 5 1/2 Packer Depth 3380 Ft. Size 5 1/2
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____

Packer Depth _____ Ft. Size _____
Tool Size 4 1/2 OD Tool Jt. Size 4FH & 3 1/2 IF Anchor Length 25 Ft. Size 4 1/2 OD

RECORDERS	Depth <u>3395</u> Ft.	Clock No. <u>6896</u>	Depth <u>3397</u> Ft.	Clock No. <u>153</u>
Top Make <u>Amerada</u>	Cap. <u>3150</u>	No. <u>1563</u>	Bottom Make <u>Western</u>	Cap. <u>4000</u> No. <u>17</u>
Below Straddle: Depth _____	Clock No. _____	Inside _____	Depth _____	Clock No. _____
Top Make _____	Cap. _____	No. _____	Bottom Make _____	Cap. _____
		Outside _____		
		Inside _____		
		Outside _____		
		Inside _____		
		Outside _____		

Time Set Packer 6:50 P M

Tool Open I.F.P. From 6:53P M to 6:58P M Hr. 5 Min. From (B) 69 P.S.I. To (C) 69 P.S.I.

Tool Closed I.C.I.P. From 6:58 M. to 7:28 M. Hr. 30 Min. (D) 1022 P.S.I.

Tool Open F.F.P. From 7:28 M. to 8:28 M. Hr. 60 Min. From (E) 114 P.S.I. To (F) 255 P.S.I.

Tool Closed F.C.I.P. From 8:28 M. to 8:58 M. Hr. 30 Min. (G) 930 P.S.I.

Initial Hydrostatic Pressure (A) 1792 P.S.I. Final Hydrostatic Pressure (H) 1784 P.S.I.

SURFACE	Size Choke <u>1/2</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	_____	_____	<u>M.</u>	_____
	_____	_____	<u>M.</u>	_____
	_____	_____	<u>M.</u>	_____

BLOW Strong blow gas to surface 13 minutes. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 1042' oil and heavily gas cut mud oil

_____ Mud

Reversed Out ☒ Yes _____ No _____ Mud Type starach Viscosity 41 Weight 10.1 Maximum Temp. 104 °F

EXTRA EQUIPMENT: Dual Packers dual Safety Joint no Jars: Size no Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? no Did Packer Hold? yes

Length Drill Pipe 2653 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 500 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 212 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 45 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date January 21, 1966

Test Ticket No. 6822

Recorder No. 1563

Capacity 3150

Location 3395 Ft.

Clock No. 6896

Elevation 1884 Derrick Floor

Well Temperature 104 °F

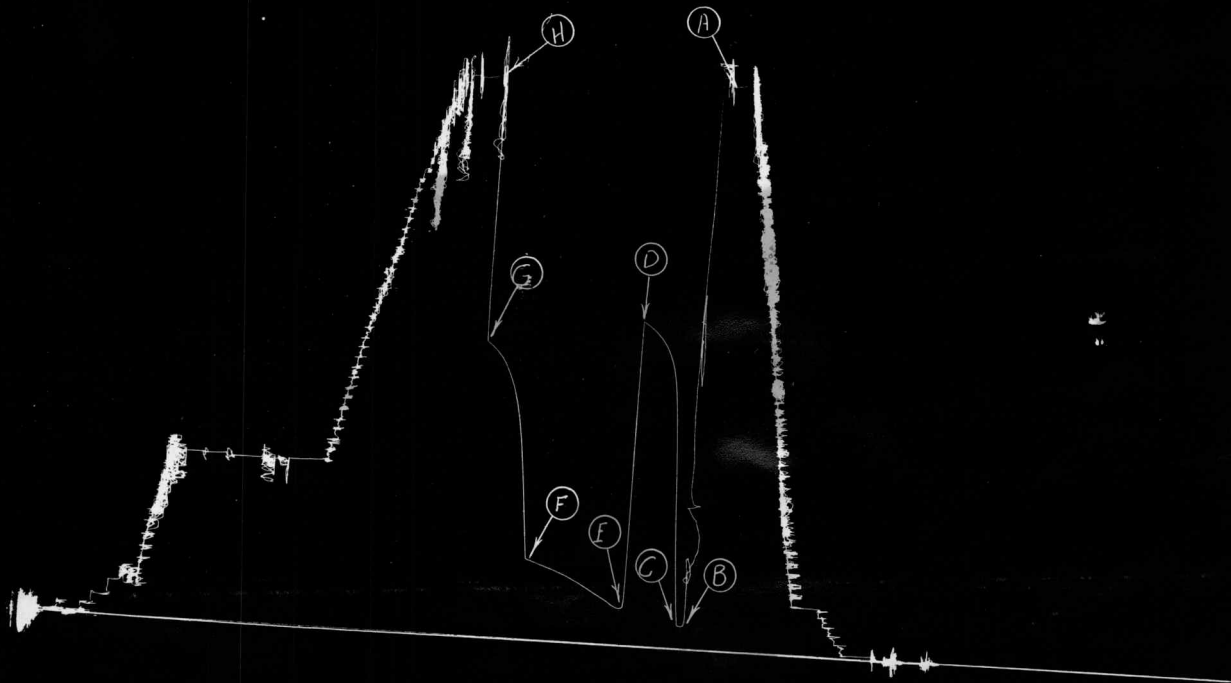
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1792</u> P.S.I.	Opened Tool	<u>6:50 P</u> M	
B First Initial Flow Pressure	<u>69</u> P.S.I.	First Flow Pressure	<u>5</u> Mins	<u>5</u> Mins.
C First Final Flow Pressure	<u>69</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1022</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>114</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>255</u> P.S.I.			
G Final Closed-in Pressure	<u>930</u> P.S.I.			
H Final Hydrostatic Mud	<u>1784</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>3</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>69</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>114</u>	<u>0</u>	<u>255</u>
P 2 <u>5</u>	<u>69</u>	<u>3</u>	<u>320</u>	<u>5</u>	<u>116</u>	<u>3</u>	<u>420</u>
P 3		<u>6</u>	<u>601</u>	<u>10</u>	<u>134</u>	<u>6</u>	<u>578</u>
P 4		<u>9</u>	<u>821</u>	<u>15</u>	<u>149</u>	<u>9</u>	<u>679</u>
P 5		<u>12</u>	<u>902</u>	<u>20</u>	<u>167</u>	<u>12</u>	<u>758</u>
P 6		<u>15</u>	<u>943</u>	<u>25</u>	<u>181</u>	<u>15</u>	<u>816</u>
P 7		<u>18</u>	<u>967</u>	<u>30</u>	<u>195</u>	<u>18</u>	<u>853</u>
P 8		<u>21</u>	<u>985</u>	<u>35</u>	<u>209</u>	<u>21</u>	<u>885</u>
P 9		<u>24</u>	<u>1000</u>	<u>40</u>	<u>220</u>	<u>24</u>	<u>904</u>
P10		<u>27</u>	<u>1012</u>	<u>45</u>	<u>230</u>	<u>27</u>	<u>919</u>
P11		<u>30</u>	<u>1022</u>	<u>50</u>	<u>239</u>	<u>30</u>	<u>920</u>
P12				<u>55</u>	<u>248</u>		
P13				<u>58</u>	<u>255</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

ABERCROMBIE DRUG CO.
LINKE #1

TEST # 2
TKT # 6322





Home Office: Great Bend, Kansas

P. O. Box 793

SWift 3-7903

Company Abercrombie Drilling Company Lease & Well No. Linke #1
Elevation 1884 Derrick Floor Formation Kansas City Ticket Number 6823
Date Jan. 22, 1966 Sec. 27 Twp. 21s Range 13W County Stafford State Kansas
Test Approved by Jack K. Wharton Western Representative W. M. Nething

Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 3410' to 3420' Total Depth 3420'
Size Main Hole 6 3/4 at Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Packer Depth 3410 Ft. Size 5 1/2 Packer Depth 3405 Ft. Size 5 1/2
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No

Packer Depth Ft. Size
Tool Size 4 1/2 OD Tool Jt. Size 4FH & 3 1/2 IF Anchor Length 20 Ft. Size 4 1/2 OD
RECORDERS Depth 3418 Ft. Clock No. 6896 Depth 3420 Ft. Clock No. 153
Top Make Amerada Cap. 3150 No. 1563 Inside Bottom Make Western Cap. 4000 No. 17 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 1:44 P M
Tool Open I.F.P. From 1:47 M to 1:52 M Hr. 5 Min. From (B) 34 P.S.I. To (C) 34 P.S.I.
Tool Closed I.C.I.P. From 1:52 M. to 2:22 M. Hr. 30 Min. (D) 883 P.S.I.
Tool Open F.F.P. From 2:22P M. to 3:22 M. Hr. 60 Min. From (E) 43 P.S.I. To (F) 62 P.S.I.
Tool Closed F.C.I.P. From 3:22 M. to 3:52 M. Hr. 30 Min. (G) 736 P.S.I.
Initial Hydrostatic Pressure (A) 1813 P.S.I. Final Hydrostatic Pressure (H) 1805 P.S.I.

SURFACE	Size Choke <u>1/2</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION			M.	
			M.	
			M.	

BLOW Good blow. Bottom Choke Size In.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 1920' gas; 150' heavily oily gas cut mud

 Mud

Reversed Out ☐ Yes ☐ No Mud Type starch Viscosity 39 Weight 10.1 Maximum Temp. 105 °F

EXTRA EQUIPMENT: Dual Packers dual Safety Joint no Jars: Size no Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2678 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 500 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 212 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 40 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date January 22, 1966 Test Ticket No. 6823
 Recorder No. 1563 Capacity 3150 Location 3418 Ft.
 Clock No. 6896 Elevation 1884 Derrick Floor Well Temperature 105 °F

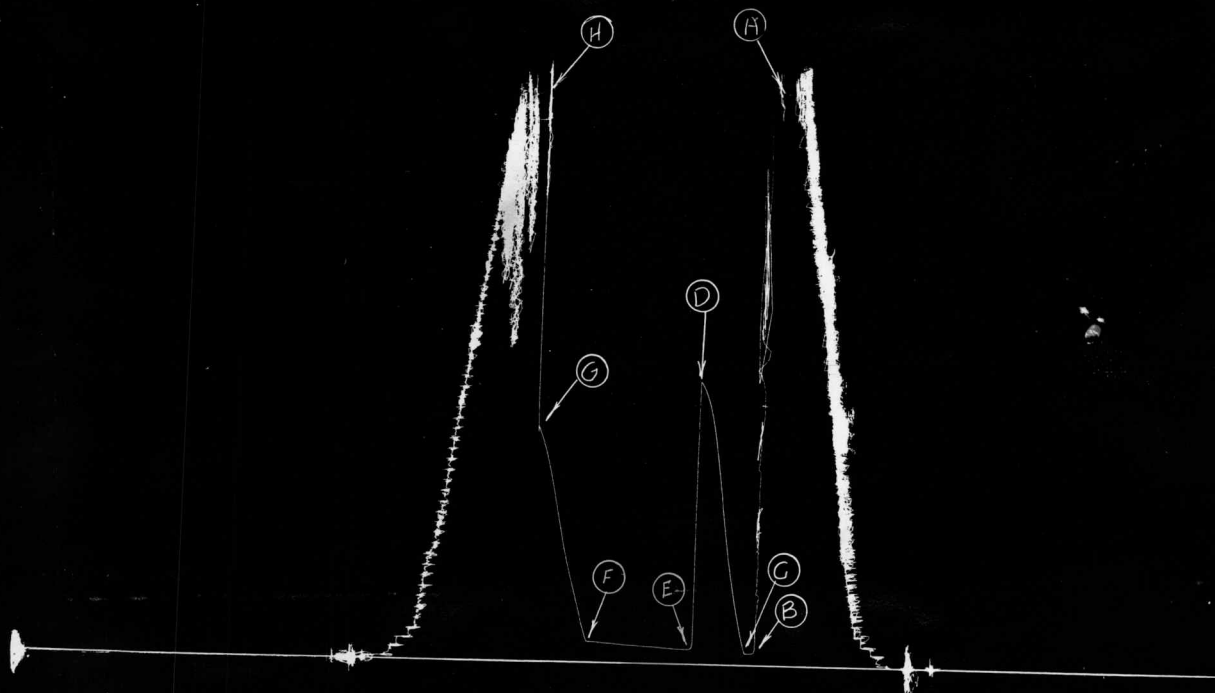
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1813</u> P.S.I.	Opened Tool	<u>1:44</u> P	<u>M</u>
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>34</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>883</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>43</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>32</u> Mins.
F Second Final Flow Pressure	<u>62</u> P.S.I.			
G Final Closed-in Pressure	<u>736</u> P.S.I.			
H Final Hydrostatic Mud	<u>1805</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>34</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>62</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>100</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>120</u>
P 3		<u>6</u>	<u>172</u>	<u>10</u>	<u>45</u>	<u>6</u>	<u>184</u>
P 4		<u>9</u>	<u>258</u>	<u>15</u>	<u>47</u>	<u>9</u>	<u>248</u>
P 5		<u>12</u>	<u>353</u>	<u>20</u>	<u>49</u>	<u>12</u>	<u>312</u>
P 6		<u>15</u>	<u>457</u>	<u>25</u>	<u>51</u>	<u>15</u>	<u>378</u>
P 7		<u>18</u>	<u>587</u>	<u>30</u>	<u>52</u>	<u>18</u>	<u>454</u>
P 8		<u>21</u>	<u>698</u>	<u>35</u>	<u>54</u>	<u>21</u>	<u>542</u>
P 9		<u>24</u>	<u>792</u>	<u>40</u>	<u>55</u>	<u>24</u>	<u>609</u>
P10		<u>27</u>	<u>839</u>	<u>45</u>	<u>47</u>	<u>27</u>	<u>678</u>
P11		<u>30</u>	<u>883</u>	<u>50</u>	<u>58</u>	<u>30</u>	<u>726</u>
P12				<u>55</u>	<u>60</u>	<u>32</u>	<u>736</u>
P13				<u>60</u>	<u>62</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

ABERCROMBIE DRLG. CO.
LINKE #1

TEST # 3
TKT # 6823





Home Office: Great Bend, Kansas
P. O. Box 793 Swift 3-7903

Company Abercrombie Drilling Co. Lease & Well No. Linke #1
Elevation 1884 Derrick Floor Formation Kansas City Ticket Number 6824
Date Jan. 23, 1966 Sec. 27 Twp. 21s Range 13W County Stafford State Kansas
Test Approved by Jack K. Wharton Western Representative W. M. Nething

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 3470' to 3505' Total Depth 3505'
Size Main Hole 6 3/4 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☒ Yes ☐ No ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Packer Depth 3470 Ft. Size 5 1/2 Packer Depth 3465 Ft. Size 5 1/2
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth Ft. Size

Tool Size 4 1/2 OD Tool Jt. Size 4FH & 3 1/2 IF Anchor Length 35 Ft. Size 4 1/2 OD
RECORDERS Depth 3478 Ft. Clock No. 6896 Depth 3480 Ft. Clock No. 153
Top Make Amerada Cap. 3150 No. 1563 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 17 ~~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 10:18 A M
Tool Open I.F.P. From 10:20A M to 10:25 M Hr. 5 Min. From (B) 46 P.S.I. To (C) 46 P.S.I.
Tool Closed I.C.I.P. From 10:25A M. to 10:55 M. Hr. 30 Min. (D) 890 P.S.I.
Tool Open F.F.P. From 10:55A M. to 11:55 M. Hr. 60 Min. From (E) 77 P.S.I. To (F) 133 P.S.I.
Tool Closed F.C.I.P. From 11:55A M. to 12:25 M. Hr. 30 Min. (G) 671 P.S.I.
Initial Hydrostatic Pressure (A) 1844 P.S.I. Final Hydrostatic Pressure (H) 1831 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 M.

BLOW Good blow. Gas to surface 43 minutes. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 120' gassy oil; 120' very heavily oil cut mud;
90' oil cut mud Mud

Reversed Out ☐ Yes ☐ No Mud Type starch Viscosity 39 Weight 10.1 Maximum Temp. 103 °F

EXTRA EQUIPMENT: Dual Packers dual Safety Joint no Jars: Size no Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2940 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 500 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 110 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 55 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date January 23, 1966

Test Ticket No. 6824

Recorder No. 1563 Capacity 3150 Location 3478 Ft.

Clock No. 6896 Elevation 1884 Derrick Floor Well Temperature 103 °F

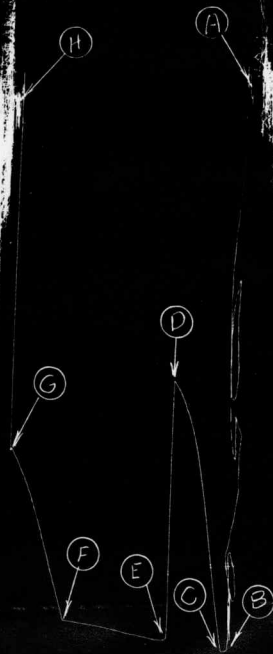
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1844</u> P.S.I.	Opened Tool	<u>10:18 A</u> M	
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>46</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>890</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>77</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>133</u> P.S.I.			
G Final Closed-in Pressure	<u>671</u> P.S.I.			
H Final Hydrostatic Mud	<u>1831</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</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>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>46</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>77</u>	<u>0</u>	<u>133</u>
P 2 <u>5</u>	<u>46</u>	<u>3</u>	<u>181</u>	<u>5</u>	<u>79</u>	<u>3</u>	<u>203</u>
P 3		<u>6</u>	<u>305</u>	<u>10</u>	<u>82</u>	<u>6</u>	<u>267</u>
P 4		<u>9</u>	<u>436</u>	<u>15</u>	<u>88</u>	<u>9</u>	<u>331</u>
P 5		<u>12</u>	<u>560</u>	<u>20</u>	<u>94</u>	<u>12</u>	<u>393</u>
P 6		<u>15</u>	<u>659</u>	<u>25</u>	<u>99</u>	<u>15</u>	<u>454</u>
P 7		<u>18</u>	<u>728</u>	<u>30</u>	<u>106</u>	<u>18</u>	<u>501</u>
P 8		<u>21</u>	<u>792</u>	<u>35</u>	<u>113</u>	<u>21</u>	<u>554</u>
P 9		<u>24</u>	<u>830</u>	<u>40</u>	<u>117</u>	<u>24</u>	<u>592</u>
P10		<u>27</u>	<u>864</u>	<u>45</u>	<u>122</u>	<u>27</u>	<u>631</u>
P11		<u>30</u>	<u>890</u>	<u>50</u>	<u>125</u>	<u>30</u>	<u>671</u>
P12				<u>55</u>	<u>130</u>		
P13				<u>60</u>	<u>133</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

ABERCROMBIE DRUG CO.
LINE #1

TEST #4
TKT #6824





Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company Abercrombie Drilling Company Lease & Well No. Linke #1
Elevation 1884 Derrick Floor Formation Kansas City Ticket Number 6825
Date Jan. 24, 1966 Sec. 27 Twp. 21s Range 13W County Stafford State Kansas
Test Approved by Jack K. Wharton Western Representative W. M. Nething

Formation Test No. 5 O.K. ☒ Misrun _____ Interval Tested From 3510' to 3545' Total Depth 3545'
Size Main Hole 6 3/4" Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____
Packer Depth 3510 Ft. Size 5 1/2 Packer Depth 3505 Ft. Size 5 1/2
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____

Packer Depth _____ Ft. Size _____
Tool Size 4 1/2 OD Tool Jt. Size 4 F.H. & 3 1/2 IF Anchor Length 35 Ft. Size 4 1/2 OD

RECORDERS	Depth <u>3518</u> Ft.	Clock No. <u>6896</u>	Depth <u>3520</u> Ft.	Clock No. <u>153</u>
	Top Make <u>Amerada</u> Cap. <u>3150</u> No. <u>1563</u>	Inside <u>Outside</u>	Bottom Make <u>Western</u> Cap. <u>4000</u> No. <u>17</u>	Inside <u>Outside</u>
Below Straddle: Depth _____	Clock No. _____	Inside <u>Outside</u>	Depth _____ Ft.	Clock No. _____
Top Make _____ Cap. _____	No. _____	Inside <u>Outside</u>	Bottom Make _____ Cap. _____	No. _____

Time Set Packer 3:30A M
Tool Open I.F.P. From 3:32A M to 3:37 M Hr. 5 Min. From (B) 2 3 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 3:37M. to 4:07 M. Hr. 30 Min. (D) 43 P.S.I.
Tool Open F.F.P. From 4:07 M. to 5:07 M. Hr. 60 Min. From (E) 27 P.S.I. To (F) 31 P.S.I.
Tool Closed F.C.I.P. From 5:07M. to 5:37 M. Hr. 30 Min. (G) 31 P.S.I.
Initial Hydrostatic Pressure (A) 1853 P.S.I. Final Hydrostatic Pressure (H) 1842 P.S.I.

SURFACE	Size Choke <u>1/2</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	_____	_____	<u>M.</u>	_____
	_____	_____	<u>M.</u>	_____
	_____	_____	<u>M.</u>	_____

BLOW Weak blow five minutes flushed tool in 30 minutes. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5' mud

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 40 Weight 10 Maximum Temp. 103 °F

EXTRA EQUIPMENT: Dual Packers dual Safety Joint no Jars: Size no Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 2880 I.D. Drill Pipe 2.7 in Length Weight Pipe 500 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 110 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 55 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date January 24, 1966

Recorder No. 1563

Clock No. 6896

Capacity 3150

Elevation 1884 Derrick Floor

Test Ticket No. 6825

Location 3518 Ft.

Well Temperature 103 °F

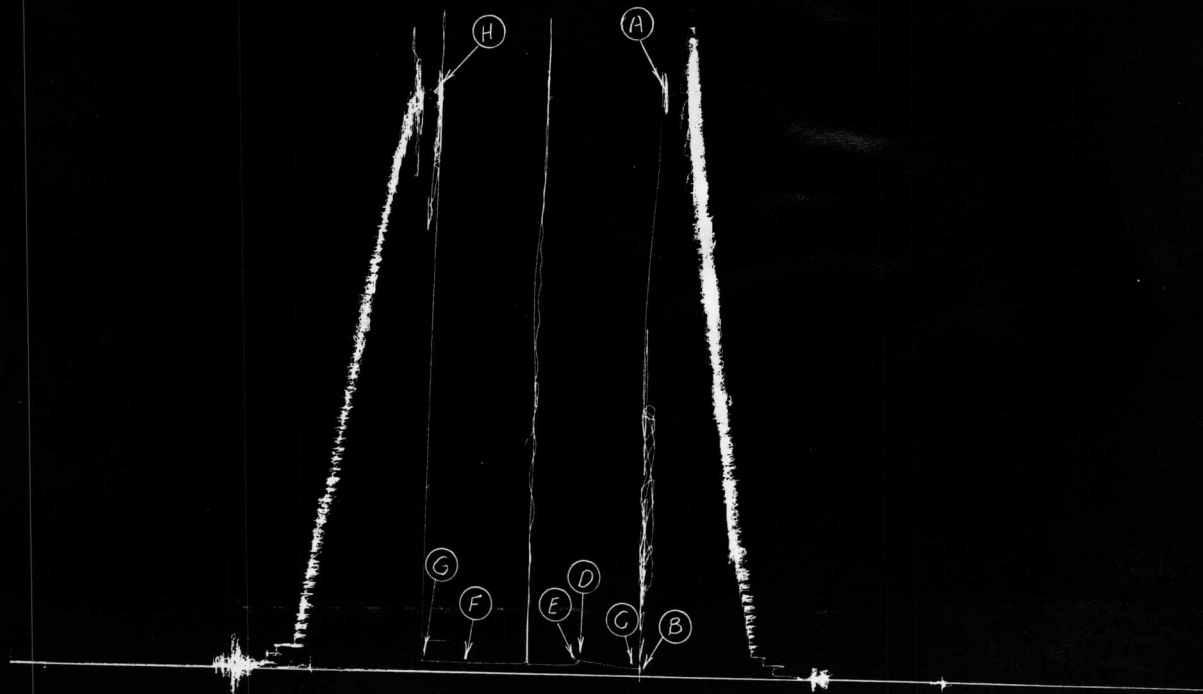
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1853</u> P.S.I.	<u>3: 30A</u> M	
B First Initial Flow Pressure	<u>23</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>43</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>27</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>31</u> P.S.I.		
G Final Closed-in Pressure	<u>31</u> P.S.I.		
H Final Hydrostatic Mud	<u>1842</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</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>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>		23 <u>0</u>		23 <u>0</u>		27 <u>0</u>	
P 2 <u>5</u>		23 <u>3</u>		24 <u>5</u>		27 <u>3</u>	
P 3			<u>6</u>	26 <u>10</u>		27 <u>6</u>	
P 4			<u>9</u>	28 <u>15</u>		27 <u>9</u>	
P 5			<u>12</u>	31 <u>20</u>		27 <u>12</u>	
P 6			<u>15</u>	33 <u>25</u>		27 <u>15</u>	
P 7			<u>18</u>	35 <u>30</u>		27 <u>18</u>	
P 8			<u>21</u>	38 <u>35</u>		31 <u>21</u>	
P 9			<u>24</u>	40 <u>40</u>		31 <u>24</u>	
P10			<u>27</u>	42 <u>45</u>		31 <u>27</u>	
P11			<u>30</u>	43 <u>50</u>		31 <u>30</u>	
P12					<u>55</u>	31	
P13					<u>60</u>	31	
P14							
P15							
P16							
P17							
P18							
P19							
P20							

ABERCROMBIE DRUG.
LINKE #1

TEST #5
TKT #6825





Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company A. L. Abercrombie, Inc. Lease & Well No. Linke #1
Elevation 1884 Derrick Floor Formation Conglomerate Ticker Number 6826
Date Jan. 25, 1966 Sec. 27 Twp. 21s Range 13w County Stafford State Kansas
Test Approved by Jack K. Wharton Western Representative Ernest Luckert

Formation Test No. 6 O.K. ☒ Misrun Interval Tested From 3580' to 3610' Total Depth 3610'
Size Main Hole 6 3/4 Rat Hole Conv. ☒ B.T. Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 3580 Ft. Size 5 1/2 Packer Depth 3575 Ft. Size 5 1/2
Straddle Yes No Conv. B.T. Damaged Yes No

Packer Depth Ft. Size
Tool Size 4 3/4 Tool Jt. Size 3 1/2 FH Anchor Length Ft. Size

RECORDERS	Depth <u>3590</u> Ft.	Clock No. <u>6896</u>	Depth <u>3592</u> Ft.	Clock No. <u>153</u>	
	Top Make <u>Kuster</u> Cap. <u>3150</u> No. <u>1563</u>	Inside <u>Outside</u>	Bottom Make <u>Western</u> Cap. <u>4000</u> No. <u>17</u>	Inside <u>Outside</u>	
Below Straddle: Depth	Clock No.	Inside <u>Outside</u>	Depth	Clock No.	Inside <u>Outside</u>
Top Make	Cap.	No. <u>Outside</u>	Bottom Make	Cap.	No. <u>Outside</u>

Time Set Packer 11:17 P M
Tool Open I.F.P. From 11:20 M to 11:26 M Hr. 6 Min. From (B) 43 P.S.I. To (C) 43 P.S.I.
Tool Closed I.C.I.P. From 11:26 M. to 11:56 M. Hr. 30 Min. (D) 819 P.S.I.
Tool Open F.F.P. From 11:56 P M. to 12:56 M. Hr. 60 Min. From (E) 43 P.S.I. To (F) 43 P.S.I.
Tool Closed F.C.I.P. From 12:56 M. to 1:26 M. Hr. 30 Min. (G) 773 P.S.I.
Initial Hydrostatic Pressure (A) 1885 P.S.I. Final Hydrostatic Pressure (H) 1863 P.S.I.

SURFACE	Size Choke <u>1/2</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION			<u>M.</u>	
			<u>M.</u>	
			<u>M.</u>	

BLOW Strong, decreasing to good at end of hour. Gas to surface in ten minutes. Too weak to gauge. 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 60' drilling mud

Mud
Reversed Out Yes ☒ No Mud Type starch Viscosity 42 Weight 9.9 Maximum Temp. 104 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 3040 ft. I.D. Drill Pipe 3.7 in Length Weight Pipe 465 ft. I.D. Weight Pipe 2.6 in Length Drill Collars 56 ft.
I. D. Drill Collars 2.250 in Length D.S.T. Tool 49 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date January 25, 1966

Test Ticket No. 6826

Recorder No. 1563 Capacity 3150 Location 3570 Ft.

Clock No. 6896 Elevation 1884 Derrick Floor Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1885</u> P.S.I.	Opened Tool	<u>11:17P</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	First Flow Pressure	<u>6</u> Mins. <u>6</u> Mins.	
C First Final Flow Pressure	<u>43</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins. <u>27</u> Mins.	
D Initial Closed-in Pressure	<u>819</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins. <u>59</u> Mins.	
E Second Initial Flow Pressure	<u>43</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins. <u>32</u> Mins.	
F Second Final Flow Pressure	<u>43</u> P.S.I.			
G Final Closed-in Pressure	<u>773</u> P.S.I.			
H Final Hydrostatic Mud	<u>1863</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>4</u> Min.		final inc. of <u>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>43</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>43</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>156</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>152</u>
P 3 <u>6</u>	<u>43</u>	<u>6</u>	<u>289</u>	<u>10</u>	<u>43</u>	<u>6</u>	<u>247</u>
P 4		<u>9</u>	<u>397</u>	<u>15</u>	<u>43</u>	<u>9</u>	<u>354</u>
P 5		<u>12</u>	<u>506</u>	<u>20</u>	<u>43</u>	<u>12</u>	<u>437</u>
P 6		<u>15</u>	<u>593</u>	<u>25</u>	<u>43</u>	<u>15</u>	<u>510</u>
P 7		<u>18</u>	<u>671</u>	<u>30</u>	<u>43</u>	<u>18</u>	<u>574</u>
P 8		<u>21</u>	<u>737</u>	<u>35</u>	<u>43</u>	<u>21</u>	<u>637</u>
P 9		<u>24</u>	<u>788</u>	<u>40</u>	<u>43</u>	<u>24</u>	<u>679</u>
P10		<u>27</u>	<u>819</u>	<u>45</u>	<u>43</u>	<u>27</u>	<u>725</u>
P11				<u>50</u>	<u>43</u>	<u>30</u>	<u>761</u>
P12				<u>55</u>	<u>43</u>	<u>32</u>	<u>773</u>
P13				<u>59</u>	<u>43</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

ABERCROMBIE DRUG CO.
LINKE #1

TEST # 6
TKT# 6826

