



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

Company Abercrombie Drilling Co. Inc. Lease & Well No. Meier # 1
Elevation 2914 Kelly Bushing Formation Howard Effective Pay _____ Ft. Ticket No. 11982
Date 12-16-68 Sec. 1 Twp. 9s Range 30W County Sheridan State Kansas
Test Approved by Jack K. Wharton Western Representative Gordon Young

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3629' to 3705' Total Depth 3705'
Size Main Hole 6 1/4 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 3624 Ft. Size 5 1/2 Packer Depth 3629 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 FH 3 1/2" IF Anchor Length 76 Ft. Size 46 1/4" OD -- 30" DG
RECORDERS Depth 3666 Ft. Clock No. 9102 Depth 3669 Ft. Clock No. 6800
Top Make Kuster Cap. 4150 No. 2605 Inside _____ Outside _____ Bottom Make Kuster Cap. 4200 No. 1559 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 5:27 P M
Tool Open I.F.P. From 5:30 M. to 5:35 P M. Hr. 5 Min. From (B) 65 P.S.I. To (C) 114 P.S.I.
Tool Closed I.C.I.P. From 5:35 M. to 6:05 P M. Hr. 30 Min. (D) 1149 P.S.I.
Tool Open F.F.P. From 6:05 M. to 7:05 P M. Hr. 1 Min. From (E) 173 P.S.I. To (F) 711 P.S.I.
Tool Closed F.C.I.P. From 7:05 M. to 7:35 P M. Hr. 30 Min. (G) 1101 P.S.I.
Initial Hydrostatic Pressure (A) 1872 P.S.I. Final Hydrostatic Pressure (H) 1834 P.S.I.

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

BLOW Strong Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 60 feet mud -- 480 feet watery mud -- 900 feet muddy salt
water

Reversed Out _____ Yes ☒ No _____ Mud Type chem Viscosity 39 Weight 9.9 Water Loss 12 cc. Maximum Temp. 123 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____
Length Drill Pipe 2358 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1270 ft. I.D. Weight Pipe 3.3 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 96 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 12-16-68

Test Ticket No. 11982

Recorder No. 2605 Capacity 4150

Location 3666 Ft.

Clock No. 9102 Elevation 2914 Kelly Bushing

Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1872</u> P.S.I.	Open Tool	<u>5:27P</u> M	
B First Initial Flow Pressure	<u>65</u> P.S.I.	First Flow Pressure	<u>5</u> Mins. <u>5</u> Mins.	
C First Final Flow Pressure	<u>114</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins. <u>30</u> Mins.	
D Initial Closed-in Pressure	<u>1149</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins. <u>62</u> Mins.	
E Second Initial Flow Pressure	<u>173</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins. <u>30</u> Mins.	
F Second Final Flow Pressure	<u>711</u> P.S.I.			
G Final Closed-in Pressure	<u>1101</u> P.S.I.			
H Final Hydrostatic Mud	<u>1834</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		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> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u>2</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>65</u>	<u>0</u>	<u>114</u>	<u>0</u>	<u>173</u>	<u>0</u>	<u>711</u>
P 2 <u>5</u>	<u>114</u>	<u>3</u>	<u>970</u>	<u>5</u>	<u>212</u>	<u>3</u>	<u>993</u>
P 3		<u>6</u>	<u>1066</u>	<u>10</u>	<u>292</u>	<u>6</u>	<u>1022</u>
P 4		<u>9</u>	<u>1088</u>	<u>15</u>	<u>352</u>	<u>9</u>	<u>1045</u>
P 5		<u>12</u>	<u>1111</u>	<u>20</u>	<u>417</u>	<u>12</u>	<u>1058</u>
P 6		<u>15</u>	<u>1123</u>	<u>25</u>	<u>476</u>	<u>15</u>	<u>1069</u>
P 7		<u>18</u>	<u>1131</u>	<u>30</u>	<u>521</u>	<u>18</u>	<u>1078</u>
P 8		<u>21</u>	<u>1138</u>	<u>35</u>	<u>566</u>	<u>21</u>	<u>1084</u>
P 9		<u>24</u>	<u>1143</u>	<u>40</u>	<u>607</u>	<u>24</u>	<u>1091</u>
P10		<u>27</u>	<u>1146</u>	<u>45</u>	<u>634</u>	<u>27</u>	<u>1097</u>
P11		<u>30</u>	<u>1149</u>	<u>50</u>	<u>658</u>	<u>30</u>	<u>1101</u>
P12				<u>55</u>	<u>686</u>		
P13				<u>60</u>	<u>700</u>		
P14				<u>62</u>	<u>711</u>		
P15							
P16							
P17							
P18							
P19							
P20							

Abercrombie DrLg. Co.
Meier #1

T.K.T. # 11982
Test # 1

This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1901	1872	PSI
(B) First Initial Flow Pressure	63	65	PSI
(C) First Final Flow Pressure	116	114	PSI
(D) Initial Closed-in Pressure	1151	1149	PSI
(E) Second Initial Flow Pressure	169	173	PSI
(F) Second Final Flow Pressure	704	711	PSI
(G) Final Closed-in Pressure	1099	1101	PSI
(H) Final Hydrostatic Mud	1859	1834	PSI



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

Company Abercrombie Drilling Co. Inc. Lease & Well No. Meier # 1
Elevation 2914 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11983
Date 12-18-68 Sec. 1 Twp. 9s Range 30w County Sheridan State Kansas
Test Approved by Jack K. Wharton Western Representative Gordon Young

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4019' to 4056' Total Depth 4056'
Size Main Hole 6 1/4 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 4014 Ft. Size 5 1/2 Packer Depth 4019 Ft. Size 5 1/2
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 4" OD Tool Jt. Size 4FH-3 1/4" IF Anchor Length 37 Ft. Size 4" OD

RECORDERS Depth 4045 Ft. Clock No. 9102 Depth 4048 Ft. Clock No. 6800
Top Make Kuster Cap. 4150 No. 2605 Inside Outside Bottom Make Kuster Cap. 4200 No. 1559 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 4:48 AM
Tool Open I.F.P. From 4:50 M. to 5:00A M. Hr. 10 Min. From (B) 31 P.S.I. To (C) 31 P.S.I.
Tool Closed I.C.I.P. From 5:00 M. to 5:30A M. Hr. 30 Min. (D) 1308 P.S.I.
Tool Open F.F.P. From 5:30 M. to 6:30A M. 1 Hr. - Min. From (E) 46 P.S.I. To (F) 60 P.S.I.
Tool Closed F.C.I.P. From 6:30 M. to 7:00A M. Hr. 30 Min. (G) 1190 P.S.I.
Initial Hydrostatic Pressure (A) 2077 P.S.I. Final Hydrostatic Pressure (H) 2052 P.S.I.

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

BLOW Weak Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 75 feet mud with few specks oil

Reversed Out _____ Yes ☒ No _____ Mud Type chem Viscosity 37 Weight 9.6 Water Loss 10.4 cc. Maximum Temp. 124 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____
Length Drill Pipe 8 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe _____ ft. I.D. Weight Pipe 3.3 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 57 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 12-18-68 Test Ticket No. 11983
 Recorder No. 2605 Capacity 4150 Location 4045 Ft.
 Clock No. 9102 Elevation 2914 Kelly Bushing Well Temperature 124 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2077</u> P.S.I.	<u>4:48A</u> M	
B First Initial Flow Pressure	<u>31</u> P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1308</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>46</u> P.S.I.	<u>30</u> Mins.	<u>31</u> Mins.
F Second Final Flow Pressure	<u>60</u> P.S.I.		
G Final Closed-in Pressure	<u>1190</u> P.S.I.		
H Final Hydrostatic Mud	<u>2052</u> P.S.I.		

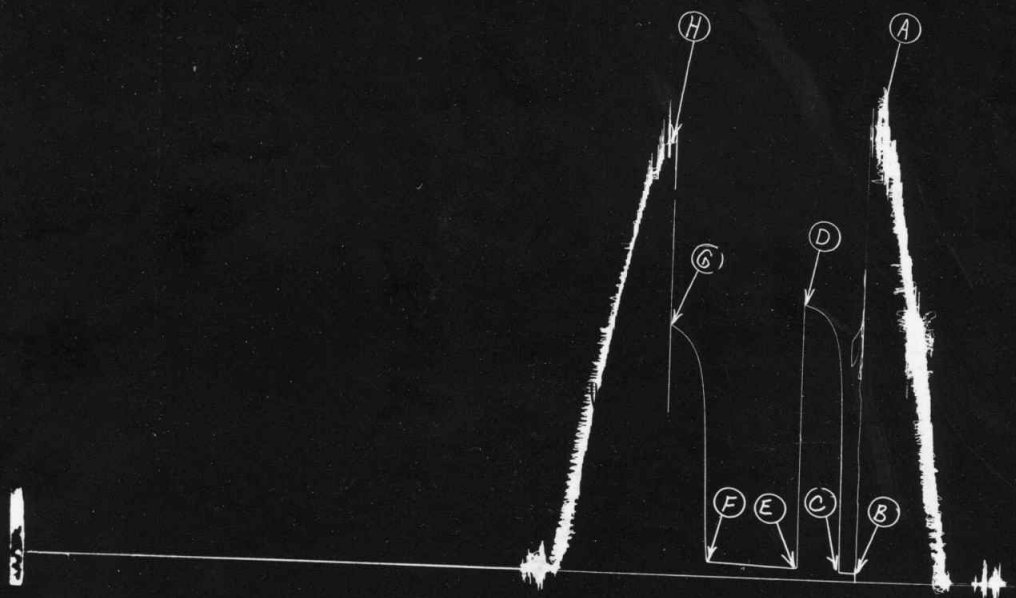
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>31</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>850</u>	<u>5</u>	<u>46</u>	<u>3</u>	<u>476</u>
P 3 <u>10</u>	<u>31</u>	<u>6</u>	<u>1078</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>827</u>
P 4 _____	_____	<u>9</u>	<u>1161</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>970</u>
P 5 _____	_____	<u>12</u>	<u>1211</u>	<u>20</u>	<u>46</u>	<u>12</u>	<u>1047</u>
P 6 _____	_____	<u>15</u>	<u>1242</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>1086</u>
P 7 _____	_____	<u>18</u>	<u>1262</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>1119</u>
P 8 _____	_____	<u>21</u>	<u>1281</u>	<u>35</u>	<u>50</u>	<u>21</u>	<u>1142</u>
P 9 _____	_____	<u>24</u>	<u>1292</u>	<u>40</u>	<u>52</u>	<u>24</u>	<u>1163</u>
P10 _____	_____	<u>27</u>	<u>1300</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>1175</u>
P11 _____	_____	<u>30</u>	<u>1308</u>	<u>50</u>	<u>56</u>	<u>30</u>	<u>1186</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>58</u>	<u>31</u>	<u>1190</u>
P13 _____	_____	_____	_____	<u>60</u>	<u>60</u>	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Abercrombie Drilling Inc.
Meier #1

T.K.T. # 11983
Test # 2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2110	2077	PSI
(B) First Initial Flow Pressure	31	31	PSI
(C) First Final Flow Pressure	31	31	PSI
(D) Initial Closed-in Pressure	1306	1308	PSI
(E) Second Initial Flow Pressure	47	46	PSI
(F) Second Final Flow Pressure	57	60	PSI
(G) Final Closed-in Pressure	1192	1190	PSI
(H) Final Hydrostatic Mud	2068	2052	PSI



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Company Abercrombie Drilling Co. Inc. Lease & Well No. Meier # 1
Elevation 2914 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11984
Date 12-19-68 Sec. 1 Twp. 9S Range 30W County Sheridan State Kansas
Test Approved by Jack K. Wharton Western Representative Gordon Young

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4073' to 4175' Total Depth 4175'
Size Main Hole 6 1/4 Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. _____ Damaged Yes ☒ No
Packer Depth 4068 Ft. Size 5 1/2 Packer Depth 4073 Ft. Size 5 1/2
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 4"OD Tool Jt. Size 4"FH-3 1/2"IF Anchor Length 102 Ft. Size 64'-WP&DC-38' 4"OD

RECORDERS	Depth <u>4166</u>	Ft.	Clock No. <u>9102</u>	Depth <u>4169</u>	Ft.	Clock No. <u>6800</u>
	Top Make <u>Kuster</u>	Cap. <u>4150</u>	No. <u>2605</u>	Bottom Make <u>Kuster</u>	Cap. <u>4200</u>	No. <u>1559</u>
			Inside _____			Inside _____
			Outside _____			Outside _____
Below Straddle: Depth _____	Clock No. _____		Inside _____	Depth _____	Ft.	Clock No. _____
			Outside _____			Outside _____
Top Make _____	Cap. _____	No. _____	Inside _____	Bottom Make _____	Cap. _____	No. _____
			Outside _____			Outside _____

Time Set Packer 1:42A M
Tool Open I.F.P. From 1:45 M. to 2:00A M. Hr. 15 Min. From (B) 61 P.S.I. To (C) 61 P.S.I.
Tool Closed I.C.I.P. From 2:00 M. to 2:30A M. Hr. 30 Min. (D) 1437 P.S.I.
Tool Open F.F.P. From 2:30 M. to 3:30A M. 1 Hr. - Min. From (E) 80 P.S.I. To (F) 101 P.S.I.
Tool Closed F.C.I.P. From 3:30 M. to 4:00A M. Hr. 30 Min. (G) 1279 P.S.I.
Initial Hydrostatic Pressure (A) 2077 P.S.I. Final Hydrostatic Pressure (H) 2058 P.S.I.

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

BLOW Weak Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 125 feet mud with specks oil

Reversed Out Yes ☒ No _____ Mud Type chem Viscosity 42 Weight 9.8 Water Loss 10.4 cc. Maximum Temp. 124 °F
Type Circ. Sub. plug Did Tool Plug? _____ Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1270 ft. I.D. Weight Pipe 3.3 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 123 ft.

Remarks Open tool final flow periodno blow--for 10 minutes weak for 50 minutes on final flow period.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-19-68

Test Ticket No. 11984

Recorder No. 2605 Capacity 4150 Location 4166 Ft.

Clock No. 9102 Elevation 2914 Kelly Bushing Well Temperature 124 °F

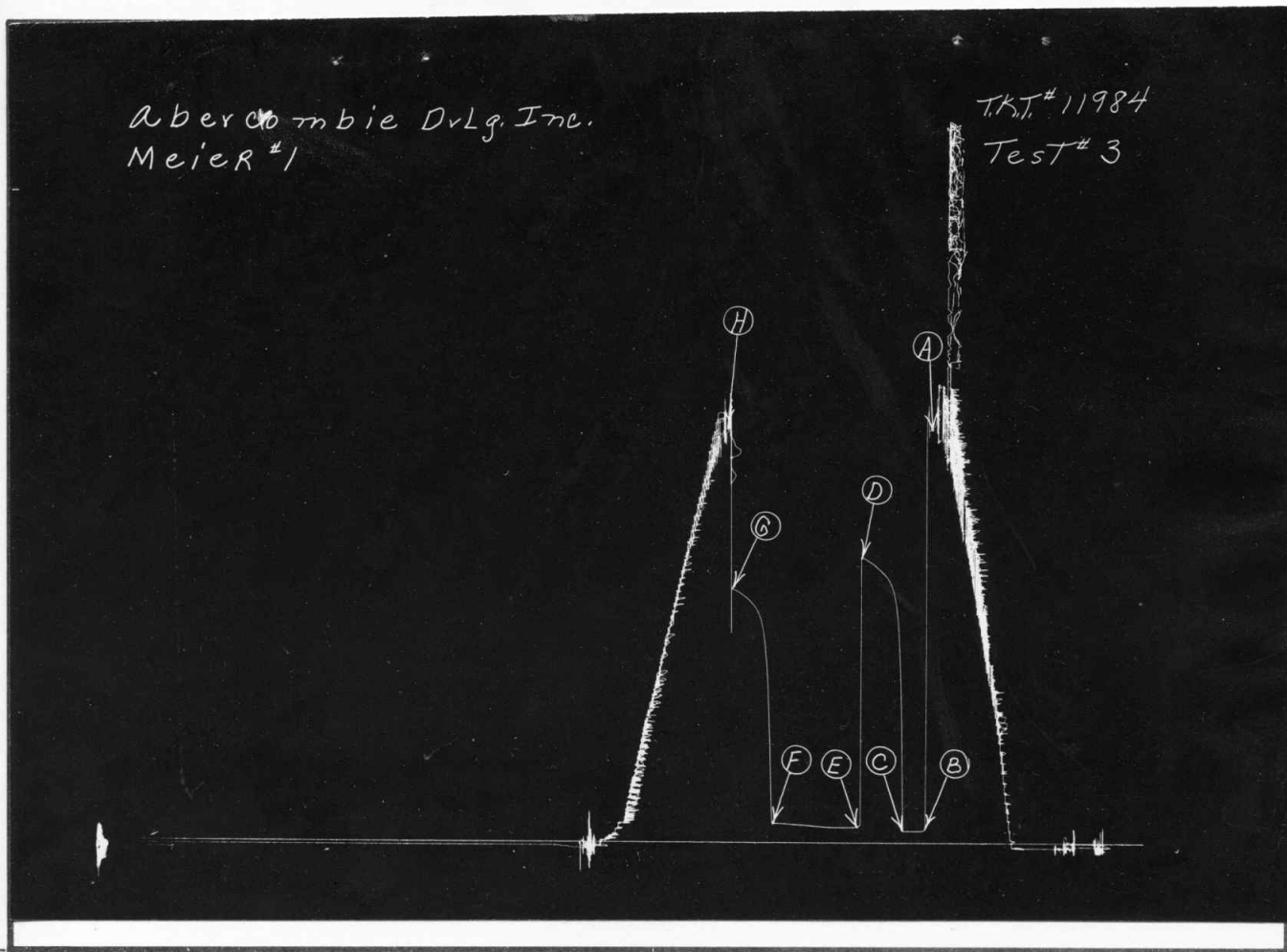
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2077</u> P.S.I.	Open Tool	<u>11:42A</u> .M	
B First Initial Flow Pressure	<u>61</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>61</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1437</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>101</u> P.S.I.			
G Final Closed-in Pressure	<u>1279</u> P.S.I.			
H Final Hydrostatic Mud	<u>2058</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>61</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>101</u>
P 2 <u>5</u>	<u>61</u>	<u>3</u>	<u>819</u>	<u>5</u>	<u>80</u>	<u>3</u>	<u>566</u>
P 3 <u>10</u>	<u>61</u>	<u>6</u>	<u>1039</u>	<u>10</u>	<u>80</u>	<u>6</u>	<u>941</u>
P 4 <u>15</u>	<u>61</u>	<u>9</u>	<u>1157</u>	<u>15</u>	<u>80</u>	<u>9</u>	<u>1107</u>
P 5 _____	_____	<u>12</u>	<u>1319</u>	<u>20</u>	<u>80</u>	<u>12</u>	<u>1161</u>
P 6 _____	_____	<u>15</u>	<u>1346</u>	<u>25</u>	<u>82</u>	<u>15</u>	<u>1196</u>
P 7 _____	_____	<u>18</u>	<u>1366</u>	<u>30</u>	<u>84</u>	<u>18</u>	<u>1221</u>
P 8 _____	_____	<u>21</u>	<u>1386</u>	<u>35</u>	<u>87</u>	<u>21</u>	<u>1238</u>
P 9 _____	_____	<u>24</u>	<u>1404</u>	<u>40</u>	<u>90</u>	<u>24</u>	<u>1254</u>
P10 _____	_____	<u>27</u>	<u>1418</u>	<u>45</u>	<u>94</u>	<u>27</u>	<u>1264</u>
P11 _____	_____	<u>30</u>	<u>1437</u>	<u>50</u>	<u>97</u>	<u>30</u>	<u>1279</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>99</u>	_____	_____
P13 _____	_____	_____	_____	<u>60</u>	<u>101</u>	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Abercrombie Drilling, Inc.
Meier #1

T.K.T. # 11984
Test # 3



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2121	2077	PSI
(B) First Initial Flow Pressure	57	61	PSI
(C) First Final Flow Pressure	57	61	PSI
(D) Initial Closed-in Pressure	1431	1437	PSI
(E) Second Initial Flow Pressure	73	80	PSI
(F) Second Final Flow Pressure	100	101	PSI
(G) Final Closed-in Pressure	1275	1279	PSI
(H) Final Hydrostatic Mud	2089	2058	PSI



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

Company Abercrombie Drilling Co. Inc. Lease & Well No. Meier # 1
Elevation 2914 Kelly Dushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11985
Date 12-19-68 Sec. 1 Twp. 9s Range 30w County Sheridan State Kansas
Test Approved by Jack K. Wharton Western Representative Gordon Young

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 4170' to 4250' Total Depth 4250'
Size Main Hole 6 3/4 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 4165 Ft. Size 5 1/2 Packer Depth 4170 Ft. Size 5 1/2
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 4"OD Tool Jt. Size 4"FH 3 1/2" IF Anchor Length 80 Ft. Size 16' 4"OD-64'WP&DC

RECORDERS Depth 4239 Ft. Clock No. 9102 Depth 4244 Ft. Clock No. 6800
Top Make Kuster Cap. 4150 No. 2605 Inside Bottom Make Kuster Cap. 4200 No. 1559 Inside
Below Straddle: Depth _____ Clock No. _____ Outside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Outside Bottom Make _____ Cap. _____ No. _____ Outside

Time Set Packer 7:42PM

Tool Open I.F.P. From 7:45 M. to 8:00P M. Hr. 15 Min. From (B) 52 P.S.I. To (C) 52 P.S.I.
Tool Closed I.C.I.P. From 8:00 M. to 8:30P M. Hr. 30 Min. (D) 455 P.S.I.
Tool Open F.F.P. From 8:30 M. to 9:00P M. Hr. 30 Min. From (E) 63 P.S.I. To (F) 63 P.S.I.
Tool Closed F.C.I.P. From 9:00 M. to 9:30P M. Hr. 30 Min. (G) 245 P.S.I.
Initial Hydrostatic Pressure (A) 2158 P.S.I. Final Hydrostatic Pressure (H) 2129 P.S.I.

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

BLOW Weak Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 15 feet mud

Reversed Out _____ Yes ☒ No _____ Mud Type chem Viscosity 38 Weight 916 Water Loss 21.6 cc. Maximum Temp. 124 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1270 ft. I.D. Weight Pipe 3.3 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 100 ft.

Remarks Open tool final flow period-- No Blow-- Flushe tool 15 minutes--No Blow--

WESTERN TESTING CO., INC.

Pressure Data

Date 12-19-68 Test Ticket No. 11985
 Recorder No. 2605 Capacity 4150 Location 4239 Ft.
 Clock No. 9102 Elevation 2914 Kelly Bushing Well Temperature 124 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2158</u> P.S.I.	<u>7:42P</u> M	
B First Initial Flow Pressure	<u>52</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>455</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>63</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
G Final Closed-in Pressure	<u>245</u> P.S.I.		
H Final Hydrostatic Mud	<u>2129</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>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>52</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>63</u>
P 2 <u>5</u>	<u>52</u>	<u>3</u>	<u>56</u>	<u>5</u>	<u>63</u>	<u>3</u>	<u>63</u>
P 3 <u>10</u>	<u>52</u>	<u>6</u>	<u>63</u>	<u>10</u>	<u>63</u>	<u>6</u>	<u>63</u>
P 4 <u>10</u>	<u>52</u>	<u>9</u>	<u>97</u>	<u>15</u>	<u>63</u>	<u>9</u>	<u>67</u>
P 5 _____		<u>12</u>	<u>145</u>	<u>20</u>	<u>63</u>	<u>12</u>	<u>82</u>
P 6 _____		<u>15</u>	<u>196</u>	<u>25</u>	<u>63</u>	<u>15</u>	<u>103</u>
P 7 _____		<u>18</u>	<u>251</u>	<u>30</u>	<u>63</u>	<u>18</u>	<u>121</u>
P 8 _____		<u>21</u>	<u>294</u>			<u>21</u>	<u>154</u>
P 9 _____		<u>24</u>	<u>349</u>			<u>24</u>	<u>177</u>
P10 _____		<u>27</u>	<u>398</u>			<u>27</u>	<u>218</u>
P11 _____		<u>30</u>	<u>455</u>			<u>30</u>	<u>245</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Abercrombie DrLg. Inc.
Meier #1

T.K.T. # 11985
Test # 4



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2204	2158	PSI
(B) First Initial Flow Pressure	47	52	PSI
(C) First Final Flow Pressure	52	52	PSI
(D) Initial Closed-in Pressure	466	455	PSI
(E) Second Initial Flow Pressure	58	63	PSI
(F) Second Final Flow Pressure	58	63	PSI
(G) Final Closed-in Pressure	238	245	PSI
(H) Final Hydrostatic Mud	2183	2129	PSI

COMPANY Abercrombie Drilling Co. Inc. LEASE AND WELL NO. Meier # 1 SEC. 1 TWP. 9S RGE. 30W TEST NO. 4 DATE 12-19-68