



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

1-105-29w

Company Abercrombie Drlg. Inc. Lease & Well No. Heier # 1

Elevation 2831 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 10530

Date 3-31-68 Sec. 1 Twp. 10s Range 29w County Sheridan State Kansas

Test Approved by Jack Wharton Western Representative Gordon Young

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4019' to 4072' Total Depth 4072'

Size Main Hole 6 3/4 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 _____

Tool Size 4 1/2" OD Tool Jt. Size 4" FH 3 1/2" IF Anchor Length 53 Ft. Size 22' 4 1/2" OD
31' Wt. Pipe

RECORDERS Depth 4063 Ft. Clock No. 9102 Depth 4066 Ft. Clock No. 8377

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 11:11 A. _____ M

Tool Open I.F.P. From 11:13 M. to 11:18 A.M. Hr. 5 Min. From (B) 42 P.S.I. To (C) 42 P.S.I.

Tool Closed I.C.I.P. From 11:18 M. to 11:48 A.M. Hr. 30 Min. (D) 1333 P.S.I.

Tool Open F.F.P. From 11:48 M. to 1:18 P.M. Hr. 30 Min. From (E) 82 P.S.I. To (F) 370 P.S.I.

Tool Closed F.C.I.P. From 1:18 M. to 1:48 P.M. Hr. 30 Min. (G) 1281 P.S.I.

Initial Hydrostatic Pressure (A) 2236 P.S.I. Final Hydrostatic Pressure (H) 2209 P.S.I.

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

INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak increasing to strong. Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No _____ Recovery Total Ft. 600 feet muddy water; 120 feet watery mud with specks
of oil.

Reversed Out Yes ☒ No _____ Mud Type Chem. Viscosity 39 Weight 9.6 Water Loss 8.2 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 2831 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1230 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 74 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 3-31-68 Test Ticket No. 10530
 Recorder No. 2605 Capacity 4150 Location 4063 Ft.
 Clock No. 9102 Elevation 2831 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2236</u> P.S.I.	Opened Tool	<u>11:11</u> A M	
B First Initial Flow Pressure	<u>42</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>42</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1333</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>82</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>370</u> P.S.I.			
G Final Closed-in Pressure	<u>1281</u> P.S.I.			
H Final Hydrostatic Mud	<u>2209</u> P.S.I.			

PRESSURE BREAKDOWN

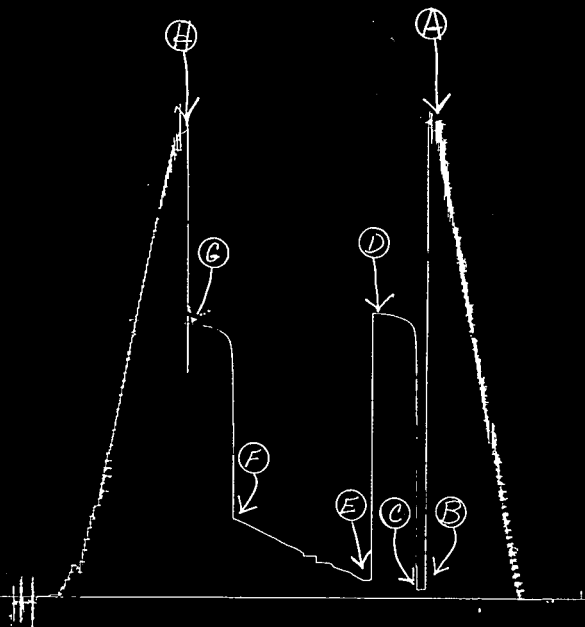
First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>--</u> 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>42</u>	<u>0</u>	<u>42</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>370</u>
P 2 <u>5</u>	<u>42</u>	<u>3</u>	<u>816</u>	<u>5</u>	<u>84</u>	<u>3</u>	<u>1095</u>
P 3		<u>6</u>	<u>1260</u>	<u>10</u>	<u>101</u>	<u>6</u>	<u>1215</u>
P 4		<u>9</u>	<u>1292</u>	<u>15</u>	<u>120</u>	<u>9</u>	<u>1240</u>
P 5		<u>12</u>	<u>1304</u>	<u>20</u>	<u>133</u>	<u>12</u>	<u>1252</u>
P 6		<u>15</u>	<u>1312</u>	<u>25</u>	<u>145</u>	<u>15</u>	<u>1260</u>
P 7		<u>18</u>	<u>1319</u>	<u>30</u>	<u>162</u>	<u>18</u>	<u>1268</u>
P 8		<u>21</u>	<u>1325</u>	<u>35</u>	<u>162</u>	<u>21</u>	<u>1273</u>
P 9		<u>24</u>	<u>1327</u>	<u>40</u>	<u>196</u>	<u>24</u>	<u>1277</u>
P 10		<u>27</u>	<u>1329</u>	<u>45</u>	<u>213</u>	<u>27</u>	<u>1279</u>
P 11		<u>30</u>	<u>1333</u>	<u>50</u>	<u>237</u>	<u>30</u>	<u>1281</u>
P 12				<u>55</u>	<u>247</u>		
P 13				<u>60</u>	<u>268</u>		
P 14				<u>65</u>	<u>288</u>		
P 15				<u>70</u>	<u>307</u>		
P 16				<u>75</u>	<u>326</u>		
P 17				<u>80</u>	<u>343</u>		
P 18				<u>85</u>	<u>360</u>		
P 19				<u>90</u>	<u>370</u>		
P 20							

Abercombie Drig Co INC

TKT-10530

Heier #1

Test #2





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

1-105-29W
Company Abercrombie Drlg. Co. Inc. Lease & Well No. Heier # 1
Elevation 2831 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 10531
Date 4-1-68 Sec. 1 Twp. 10s Range 29W County Sheridan State Kansas
Test Approved by Jack K. Wharton Western Representative Gordon Young
Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4122' to 4150' Total Depth 4150'
Size Main Hole 6 3/4 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 4117 Ft. Size 5 1/2 Packer Depth 4122 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 28 Ft. Size 4 1/2" OD
RECORDERS Depth 4142 Ft. Clock No. 9102 Depth 4145 Ft. Clock No. 8377
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 _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 5:57 A. _____ M _____
Tool Open I.F.P. From 6:00 M. to 6:05 A M. _____ Hr. 5 Min. From (B) 61 P.S.I. To (C) 63 P.S.I.
Tool Closed I.C.I.P. From 6:05 M. to 6:35 A M. _____ Hr. 30 Min. (D) 1360 P.S.I.
Tool Open F.F.P. From 6:35 M. to 8:05 A M. 1 Hr. 30 Min. From (E) 92 P.S.I. To (F) 277 P.S.I.
Tool Closed F.C.I.P. From 8:05 M. to 8:35 A M. _____ Hr. 30 Min. (G) 1325 P.S.I.
Initial Hydrostatic Pressure (A) 2186 P.S.I. Final Hydrostatic Pressure (H) 2161 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Good increasing to strong Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Fr. 300 feet oil cut mud; 240 feet oil cut muddy water.
Reversed Out _____ Yes _____ No Mud Type Chem. Viscosity 45 Weight 10 Water Loss 10 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 2949 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1260 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 49 ft.
Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

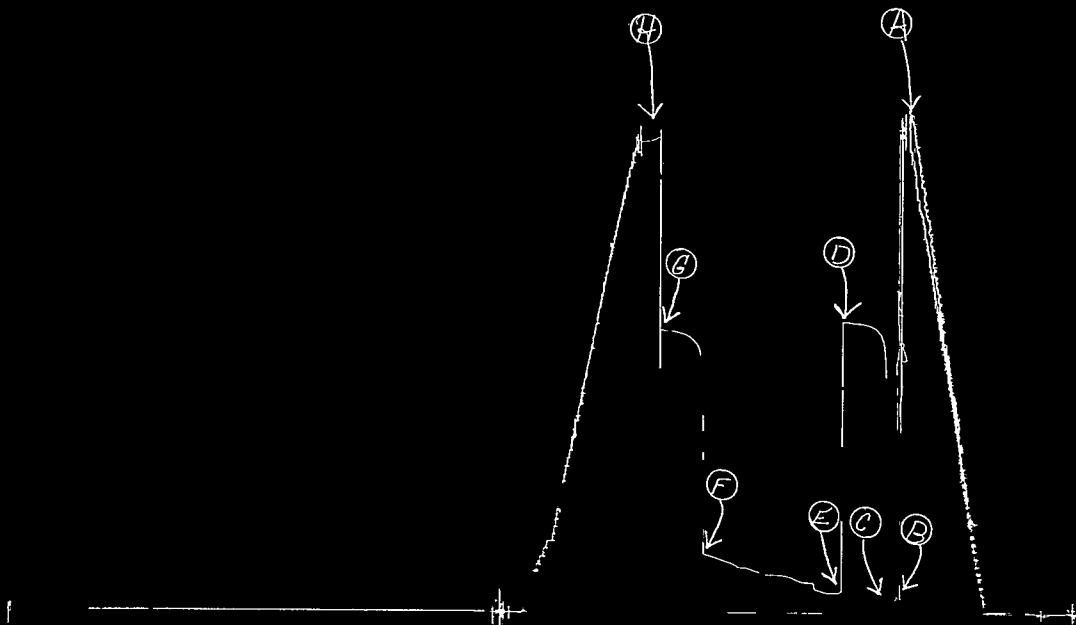
Date 4-1-68 Test Ticket No. 10531
 Recorder No. 2605 Capacity 4500 Location 4142 Ft.
 Clock No. 9102 Elevation 2831 Kelly Bushing Well Temperature 123 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2186 P.S.I. Opened Tool 5:57 A. M
 B First Initial Flow Pressure 61 P.S.I. First Flow Pressure 5 Mins. 6 Mins.
 C First Final Flow Pressure 63 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 1360 P.S.I. Second Flow Pressure 90 Mins. 89 Mins.
 E Second Initial Flow Pressure 92 P.S.I. Final Closed-in Pressure 30 Mins. 30 Mins.
 F Second Final Flow Pressure 277 P.S.I.
 G Final Closed-in Pressure 1325 P.S.I.
 H Final Hydrostatic Mud 2161 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>17</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>1</u> Min.		final inc. of <u>--</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>61</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>277</u>
P 2 <u>5</u>	<u>61</u>	<u>3</u>	<u>651</u>	<u>5</u>	<u>92</u>	<u>3</u>	<u>1140</u>
P 3 <u>6</u>	<u>63</u>	<u>6</u>	<u>1159</u>	<u>10</u>	<u>93</u>	<u>6</u>	<u>1258</u>
P 4		<u>9</u>	<u>1302</u>	<u>15</u>	<u>103</u>	<u>9</u>	<u>1283</u>
P 5		<u>12</u>	<u>1327</u>	<u>20</u>	<u>141</u>	<u>12</u>	<u>1300</u>
P 6		<u>15</u>	<u>1341</u>	<u>25</u>	<u>145</u>	<u>15</u>	<u>1308</u>
P 7		<u>18</u>	<u>1350</u>	<u>30</u>	<u>158</u>	<u>18</u>	<u>1314</u>
P 8		<u>21</u>	<u>1354</u>	<u>35</u>	<u>171</u>	<u>21</u>	<u>1319</u>
P 9		<u>24</u>	<u>1355</u>	<u>40</u>	<u>177</u>	<u>24</u>	<u>1321</u>
P 10		<u>27</u>	<u>1358</u>	<u>45</u>	<u>179</u>	<u>27</u>	<u>1323</u>
P 11		<u>30</u>	<u>1360</u>	<u>50</u>	<u>180</u>	<u>30</u>	<u>1325</u>
P 12				<u>55</u>	<u>196</u>		
P 13				<u>60</u>	<u>209</u>		
P 14				<u>65</u>	<u>215</u>		
P 15				<u>70</u>	<u>232</u>		
P 16				<u>75</u>	<u>245</u>		
P 17				<u>80</u>	<u>258</u>		
P 18				<u>85</u>	<u>271</u>		
P 19				<u>89</u>	<u>277</u>		
P 20							

Abercombie Drlg Inc
Heier #1

TKT-10531
Test #3





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

1-105-29W
Company Abercrombie Drlg. Co. Inc. Lease & Well No. Heier # 1
Elevation 2831 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 10532
Date 4-1-68 Sec. 1 Twp. 10s Range 29w County Sheridan State Kansas
Test Approved by Jack K. Wharton Western Representative Gordon Young
Formation Test No. 4 O.K. X Misrun _____ Interval Tested From 4149' to 4190' Total Depth 4190'
Size Main Hole 6 3/4 Rat Hole _____ Conv. X B.T. _____ Damaged _____ Yes X No Conv. X B.T. _____ Damaged _____ Yes X No
Packer Depth 4144 Ft. Size 5 1/2 Packer Depth 4149 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 41 Ft. Size 4 1/2" OD
RECORDERS Depth 4182 Ft. Clock No. 9102 Depth 4185 Ft. Clock No. 8377
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 9:17 P. M
Tool Open I.F.P. From 9:19 M. to 9:29 P M. Hr. 10 Min. From (B) 25 P.S.I. To (C) 25 P.S.I.
Tool Closed I.C.I.P. From 9:29 M. to 9:59 P M. Hr. 30 Min. (D) 1031 P.S.I.
Tool Open F.F.P. From 9:59 M. to 10:29 P M. Hr. 30 Min. From (E) 27 P.S.I. To (F) 31 P.S.I.
Tool Closed F.C.I.P. From 10:29 M. to 10:59 P M. Hr. 30 Min. (G) 742 P.S.I.
Initial Hydrostatic Pressure (A) 2217 P.S.I. Final Hydrostatic Pressure (H) 2200 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak - died in 8 minutes on initial flow period. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes X No _____ Recovery Total Ft. 10 feet mud.
Reversed Out _____ Yes X No _____ Mud Type Chem. Viscosity 41 Weight 10.2 Water Loss 7.2 cc. Maximum Temp. 119 °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 2860 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1260 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 62 ft.
Remarks Open tool final flow period - no blow. Flush tool in 15 minutes - no blow.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-1-68 Test Ticket No. 10532
 Recorder No. 2605 Capacity 4150 Location 4182 Ft.
 Clock No. 9102 Elevation 1831 Kelly Bushing Well Temperature 119 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2217 P.S.I. Opened Tool 9:17 P. M
 B First Initial Flow Pressure 25 P.S.I. First Flow Pressure 10 Mins. 11 Mins.
 C First Final Flow Pressure 25 P.S.I. Initial Closed-in Pressure 30 Mins. 28 Mins.
 D Initial Closed-in Pressure 1031 P.S.I. Second Flow Pressure 30 Mins. 31 Mins.
 E Second Initial Flow Pressure 27 P.S.I. Final Closed-in Pressure 30 Mins. 30 Mins.
 F Second Final Flow Pressure 31 P.S.I.
 G Final Closed-in Pressure 742 P.S.I.
 H Final Hydrostatic Mud 2200 P.S.I.

PRESSURE BREAKDOWN

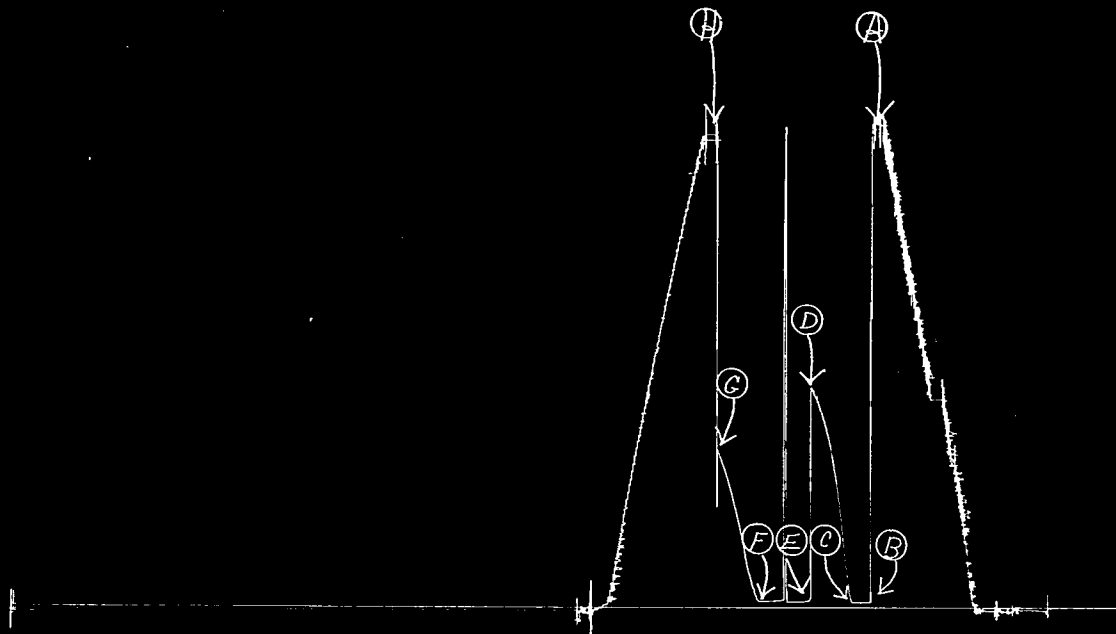
First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>1</u> Min.		final inc. of <u>1</u> Min.		final inc. of <u>1</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>27</u>	<u>0</u>	<u>31</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>145</u>	<u>5</u>	<u>27</u>	<u>3</u>	<u>88</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>302</u>	<u>10</u>	<u>27</u>	<u>6</u>	<u>158</u>
P 4 <u>11</u>	<u>25</u>	<u>9</u>	<u>466</u>	<u>15</u>	<u>27</u>	<u>9</u>	<u>262</u>
P 5		<u>12</u>	<u>622</u>	<u>20</u>	<u>31</u>	<u>12</u>	<u>355</u>
P 6		<u>15</u>	<u>740</u>	<u>25</u>	<u>31</u>	<u>15</u>	<u>453</u>
P 7		<u>18</u>	<u>831</u>	<u>30</u>	<u>31</u>	<u>18</u>	<u>526</u>
P 8		<u>21</u>	<u>908</u>	<u>31</u>	<u>31</u>	<u>21</u>	<u>609</u>
P 9		<u>24</u>	<u>968</u>			<u>24</u>	<u>667</u>
P10		<u>27</u>	<u>1014</u>			<u>27</u>	<u>723</u>
P11		<u>28</u>	<u>1031</u>			<u>30</u>	<u>742</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

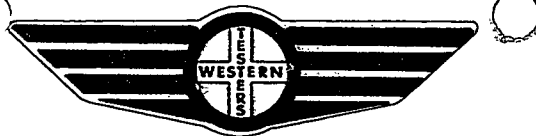
Abercombie Drlg Co

TKT-10532

Heier #1

Test #4





Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Abercrombie Drllg. Co. Inc. Lease & Well No. Heier # 1

Elevation 2831 Kelly Bushing Formation Kansas City Effective Pay 6 Ft. Ticker No. 10534

Date 4-3-68 Sec. 1 Twp. 10s Range 29W County Sheridan State Kansas

Test Approved by Jack K. Wharton Western Representative Gordon Young

Formation Test No. 5 O.K. ☒ Misrun Interval Tested From 4052' to 4124' Total Depth 4235'

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

Packer Depth 4047 Ft. Size 6 Packer Depth 4052 Ft. Size 6

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

Packer Depth 4124 Ft. Size 6

22' - 4 1/2" OD

Tool Size 4 1/2" OD Tool Jt. Size 4" FH - 3 1/2" IF Anchor Length 72 Ft. Size 50' D.C.

RECORDERS Depth 4114 Ft. Clock No. 9102 Depth 4117 Ft. Clock No. 8377

Top Make Kuster Cap. 4150 No. 2605 Inside Outside Bottom Make Kuster Cap. 4200 No. 1559 Inside Outside

Below Straddle: Depth 4230 Clock No. 40 Inside Outside Depth Ft. Clock No. Inside Outside

Top Make WTC Cap. No. 58 Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 5:31 A. M

Tool Open I.F.P. From 5:33 M. to 5:38 A.M. Hr. 5 Min. From (B) 90 P.S.I. To (C) 126 P.S.I.

Tool Closed I.C.I.P. From 5:38 M. to 6:08 A.M. Hr. 30 Min. (D) 1389 P.S.I.

Tool Open F.F.P. From 6:08 M. to 7:38 A.M. Hr. 30 Min. From (E) 156 P.S.I. To (F) 489 P.S.I.

Tool Closed F.C.I.P. From 7:38 M. to 8:08 A.M. Hr. 30 Min. (G) 1371 P.S.I.

Initial Hydrostatic Pressure (A) 2279 P.S.I. Final Hydrostatic Pressure (H) 2236 P.S.I.

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

INFORMATION M.

M.

M.

BLOW Strong throughout test. Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No Recovery Total Ft. 420 feet slightly oil cut mud; and

420 feet slightly oil cut muddy water.

Reversed Out Yes ☒ No Mud Type Chem. Viscosity 54 Weight 10.3 Water Loss 9.5 cc. Maximum Temp. 114 °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 2792 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1260 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 103 ft.

I. D. Drill Collars 2.25 in. Length D.S.T. Tool 100 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 4-3-68 Test Ticket No. 10534
 Recorder No. 2605 Capacity 4150 Location 4114 Ft.
 Clock No. 9102 Elevation 2831 Kelly Bushing Well Temperature 114 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2279 P.S.I. Opened Tool 5:31 A. M
 B First Initial Flow Pressure 90 P.S.I. First Flow Pressure 5 Mins. 5 Mins.
 C First Final Flow Pressure 126 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 1389 P.S.I. Second Flow Pressure 90 Mins. 89 Mins.
 E Second Initial Flow Pressure 156 P.S.I. Final Closed-in Pressure 30 Mins. 30 Mins.
 F Second Final Flow Pressure 489 P.S.I.
 G Final Closed-in Pressure 1371 P.S.I.
 H Final Hydrostatic Mud 2236 P.S.I.

PRESSURE BREAKDOWN

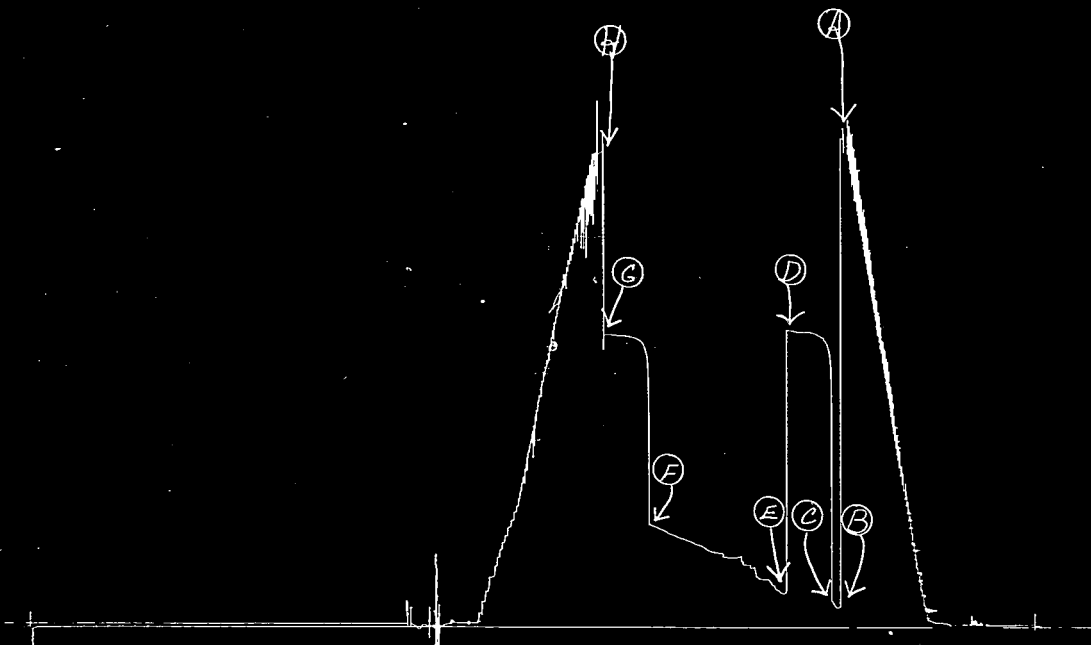
First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>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>90</u>	<u>0</u>	<u>126</u>	<u>0</u>	<u>156</u>	<u>0</u>	<u>489</u>
P 2 <u>5</u>	<u>126</u>	<u>3</u>	<u>879</u>	<u>5</u>	<u>175</u>	<u>3</u>	<u>1256</u>
P 3 _____		<u>6</u>	<u>1323</u>	<u>10</u>	<u>213</u>	<u>6</u>	<u>1333</u>
P 4 _____		<u>9</u>	<u>1356</u>	<u>15</u>	<u>226</u>	<u>9</u>	<u>1352</u>
P 5 _____		<u>12</u>	<u>1368</u>	<u>20</u>	<u>266</u>	<u>12</u>	<u>1359</u>
P 6 _____		<u>15</u>	<u>1377</u>	<u>25</u>	<u>294</u>	<u>15</u>	<u>1362</u>
P 7 _____		<u>18</u>	<u>1379</u>	<u>30</u>	<u>332</u>	<u>18</u>	<u>1366</u>
P 8 _____		<u>21</u>	<u>1380</u>	<u>35</u>	<u>333</u>	<u>21</u>	<u>1367</u>
P 9 _____		<u>24</u>	<u>1381</u>	<u>40</u>	<u>334</u>	<u>24</u>	<u>1369</u>
P10 _____		<u>27</u>	<u>1385</u>	<u>45</u>	<u>353</u>	<u>27</u>	<u>1371</u>
P11 _____		<u>30</u>	<u>1389</u>	<u>50</u>	<u>364</u>	<u>30</u>	<u>1371</u>
P12 _____				<u>55</u>	<u>387</u>		
P13 _____				<u>60</u>	<u>401</u>		
P14 _____				<u>65</u>	<u>417</u>		
P15 _____				<u>70</u>	<u>430</u>		
P16 _____				<u>75</u>	<u>444</u>		
P17 _____				<u>80</u>	<u>463</u>		
P18 _____				<u>85</u>	<u>479</u>		
P19 _____				<u>89</u>	<u>489</u>		
P20 _____							

Abercombie Drlg Inc.

TKT-10534

Heier #1

Test #5



Fibercombie Drlg Inc.

TKT-10534

Heier #1 Blank Off

Test #5

