



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

Company **Abercrombie Drilling & John Jennings** Lease & Well No. **Legere #1**
Elevation **==** Formation **Kansas City** Ticket Number **7292**
Date **April 24, 1966** Sec. **23** Twp. **8s** Range **23w** County **Graham** State **Kansas**
Test Approved by **John P. Jennings** Western Representative **Kenneth Cheney**

Formation Test No. **1** O.K. ☒ Misrun Interval Tested From **3437'** to **3444'** Total Depth **3444'**
Size Main Hole **6 3/4** Rat Hole Conv. ☒ B.T. Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Top Packer Depth **3433** Ft. Size **6** Packer Depth **3437** Ft. Size **6"**
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 **7** Ft. Size **4 1/2 OD**
RECORDERS Depth **3427** Ft. Clock No. **6895** Depth **3441** Ft. Clock No. **105**
Top Make **Kuster** Cap. **4150** No. **2607** Inside **Outside** Bottom Make **Western** Cap. **4000** No. **21** 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 **4:19 P** **M**
Tool Open I.F.P. From **4:20** M to **4:30** M Hr. **10** Min. From (B) **76** P.S.I. To (C) **277** P.S.I.
Tool Closed I.C.I.P. From **4:30** M. to **5:00** M. Hr. **30** Min. (D) **1202** P.S.I.
Tool Open F.F.P. From **5:00** M. to **6:00** M. **1** Hr. Min. From (E) **296** P.S.I. To (F) **826** P.S.I.
Tool Closed F.C.I.P. From **6:00** M. to **6:30** M. Hr. **30** Min. (G) **1131** P.S.I.
Initial Hydrostatic Pressure (A) **1831** P.S.I. Final Hydrostatic Pressure (H) **1824** P.S.I.

SURFACE Size Choke **3/8** In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW **Good** Bottom Choke Size **3/4** In.
Did Well Flow Yes ☒ No Recovery Total Ft. **15' clean oil; 1725' oil cut salt water with 10% oil**

Reversed Out ☒ Yes No Mud Type **starch** Viscosity **38** Weight **10.1** Maximum Temp. **112** °F

EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint Jars: Size **3 1/2 OD** Make **Bowen** Ser. No. **591**

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

Length Drill Pipe **2806** ft. I.D. Drill Pipe **2.7** in Length Weight Pipe **600** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **55** ft.

I. D. Drill Collars **2.7** in. Length D.S.T. Tool **38** ft.

Remarks **We had 3 mis-runs to get this test. Packer failures.**

WESTERN TESTING CO., INC.

Pressure Data

Date April 24, 1966 Test Ticket No. 7292
 Recorder No. 2607 Capacity 4150 Location 3427 Ft.
 Clock No. 6895 Elevation 22 Well Temperature 112 °F

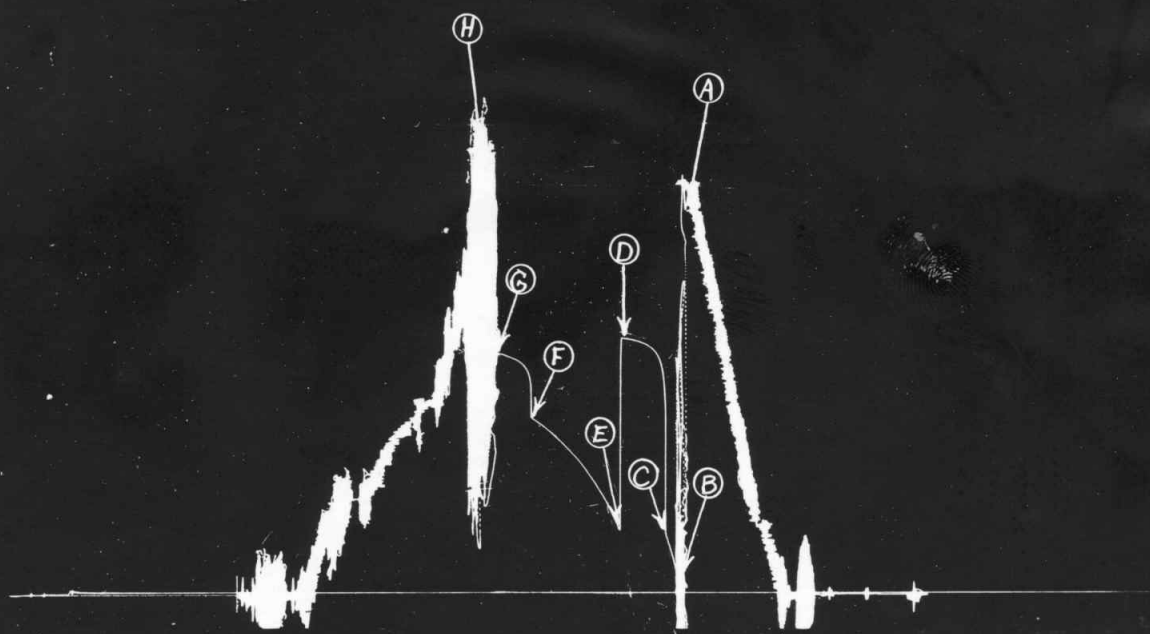
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1831</u> P.S.I.	Opened Tool	<u>4:20</u> P M	<u>4:20</u>
B First Initial Flow Pressure	<u>76</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>277</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1202</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>296</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
F Second Final Flow Pressure	<u>826</u> P.S.I.			
G Final Closed-in Pressure	<u>1131</u> P.S.I.			
H Final Hydrostatic Mud	<u>1824</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>9</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>1</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>76</u>	<u>0</u>	<u>277</u>	<u>0</u>	<u>296</u>	<u>0</u>	<u>826</u>
P 2 <u>5</u>	<u>175</u>	<u>3</u>	<u>1039</u>	<u>5</u>	<u>362</u>	<u>3</u>	<u>1046</u>
P 3 <u>10</u>	<u>277</u>	<u>6</u>	<u>1121</u>	<u>10</u>	<u>442</u>	<u>6</u>	<u>1077</u>
P 4		<u>9</u>	<u>1146</u>	<u>15</u>	<u>495</u>	<u>9</u>	<u>1092</u>
P 5		<u>12</u>	<u>1164</u>	<u>20</u>	<u>552</u>	<u>12</u>	<u>1104</u>
P 6		<u>15</u>	<u>1175</u>	<u>25</u>	<u>601</u>	<u>15</u>	<u>1110</u>
P 7		<u>18</u>	<u>1181</u>	<u>30</u>	<u>649</u>	<u>18</u>	<u>1119</u>
P 8		<u>21</u>	<u>1190</u>	<u>35</u>	<u>685</u>	<u>21</u>	<u>1123</u>
P 9		<u>24</u>	<u>1194</u>	<u>40</u>	<u>726</u>	<u>24</u>	<u>1127</u>
P10		<u>27</u>	<u>1198</u>	<u>45</u>	<u>756</u>	<u>27</u>	<u>1130</u>
P11		<u>30</u>	<u>1202</u>	<u>50</u>	<u>787</u>	<u>28</u>	<u>1131</u>
P12				<u>55</u>	<u>814</u>		
P13				<u>58</u>	<u>826</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Abeverom Bie D.Lg. &
John Jennings
Legere #1

Test #1
T.K.T. 7292



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1831 PSI
(B) First Initial Flow Pressure	76 PSI
(C) First Final Flow Pressure	277 PSI
(D) Initial Closed-in Pressure	1202 PSI
(E) Second Initial Flow Pressure	296 PSI
(F) Second Final Flow Pressure	826 PSI
(G) Final Closed-in Pressure	1131 PSI
(H) Final Hydrostatic Mud	1824 PSI



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Company Abercrombie Drilling & John Jennings Lease & Well No. Legere #1
Elevation 6138 Kelly Bushings Formation Kansas City Ticket Number 7293
Date April 25, 1966 Sec. 23 Twp. 8s Range 23w County Graham State Kansas
Test Approved by Orlen R. Phelps Western Representative Kenneth Cheney

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3452' to 3476' Total Depth 3476'
Size Main Hole 6 3/4" Ret Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐
Top Packer Depth 3448 Ft. Size 5 1/2" Packer Depth 3452 Ft. Size 5 1/2"
Straddle ☒ Yes ☐ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐

Packer Depth 3448 Ft. Size 5 1/2"
Tool Size 4 1/2 OD Tool Jt. Size 4" FH-3 1/2 IF Anchor Length 24 Ft. Size 4 1/2 OD

RECORDERS Depth 3456 Ft. Clock No. 6895 Depth 3468 Ft. Clock No. 8377
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth 3456 Ft. Clock No. 6895 Depth 3468 Ft. Clock No. 8377
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside

Time Set Packer 5:19 A M
Tool Open I.F.P. From 5:20 M to 5:30 M Hr. 10 Min. From (B) 44 P.S.I. To (C) 74 P.S.I.
Tool Closed I.C.I.P. From 5:30 M to 6:00 M Hr. 30 Min. (D) 1163 P.S.I.
Tool Open F.F.P. From 6:00 M to 7:00 M 1 Hr. Min. From (E) 82 P.S.I. To (F) 309 P.S.I.
Tool Closed F.C.I.P. From 7:00 M to 7:30 M Hr. 30 Min. (G) 1076 P.S.I.
Initial Hydrostatic Pressure (A) 1951 P.S.I. Final Hydrostatic Pressure (H) 1946 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. 1076 Time 7:30 Description of Flow Good
INFORMATION 3/8 In. 1076 P.S.I. 7:30 Good

BLOW Good Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 300' gas in pipe; 614' mud cut oil; 100' oil cut muddy water. Mud

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 38 Weight 10.1 Maximum Temp. 103 °F

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

Type Circ. Sub. plug Did Tool Plug? yes Where? yes Did Packer Hold? yes

Length Drill Pipe 2776 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 600 ft. I.D. Weight Pipe 2.7 in Length Drill Collars 56 ft.

I. D. Drill Collars 2.7 in Length D.S.T. Tool 44 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date April 25, 1966 Test Ticket No. 7293
 Recorder No. 2607 Capacity 4150 Location 3456 Ft.
 Clock No. _____ Elevation 2138 Kelly Bushings Well Temperature 105 °F

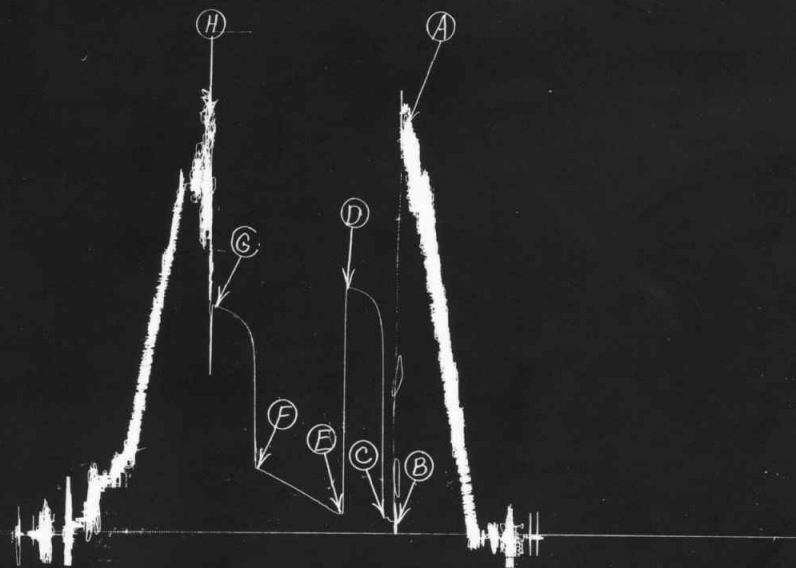
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1951</u> P.S.I.	Opened Tool	<u>5:20</u> M	<u>5:20</u>
B First Initial Flow Pressure	<u>44</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>8</u> Mins.
C First Final Flow Pressure	<u>74</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>1163</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>88</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>309</u> P.S.I.			
G Final Closed-in Pressure	<u>1076</u> P.S.I.			
H Final Hydrostatic Mud	<u>1946</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>9</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>3</u> Min.		final inc. of <u>1</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>44</u>	<u>0</u>	<u>74</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>309</u>
P 2 <u>5</u>	<u>62</u>	<u>3</u>	<u>967</u>	<u>5</u>	<u>95</u>	<u>3</u>	<u>903</u>
P 3 <u>8</u>	<u>74</u>	<u>6</u>	<u>1071</u>	<u>10</u>	<u>116</u>	<u>6</u>	<u>966</u>
P 4 _____		<u>9</u>	<u>1108</u>	<u>15</u>	<u>137</u>	<u>9</u>	<u>998</u>
P 5 _____		<u>12</u>	<u>1125</u>	<u>20</u>	<u>163</u>	<u>21</u>	<u>1021</u>
P 6 _____		<u>15</u>	<u>1139</u>	<u>25</u>	<u>186</u>	<u>15</u>	<u>1033</u>
P 7 _____		<u>18</u>	<u>1146</u>	<u>30</u>	<u>205</u>	<u>18</u>	<u>1050</u>
P 8 _____		<u>21</u>	<u>1152</u>	<u>35</u>	<u>228</u>	<u>21</u>	<u>1058</u>
P 9 _____		<u>24</u>	<u>1159</u>	<u>40</u>	<u>243</u>	<u>24</u>	<u>1068</u>
P 10 _____		<u>27</u>	<u>1162</u>	<u>45</u>	<u>262</u>	<u>27</u>	<u>1073</u>
P 11 _____		<u>28</u>	<u>1163</u>	<u>50</u>	<u>283</u>	<u>29</u>	<u>1076</u>
P 12 _____				<u>55</u>	<u>298</u>		
P 13 _____				<u>59</u>	<u>309</u>		
P 14 _____							
P 15 _____							
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

Abercrombie Drilling Co.
John Jennings

Test #2
T.K.T. # 7293



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1951 PSI
(B) First Initial Flow Pressure	44 PSI
(C) First Final Flow Pressure	74 PSI
(D) Initial Closed-in Pressure	1163 PSI
(E) Second Initial Flow Pressure	88 PSI
(F) Second Final Flow Pressure	309 PSI
(G) Final Closed-in Pressure	1076 PSI
(H) Final Hydrostatic Mud	1946 PSI



Home Office: Great Bend, Kansas

P. O. Box 793

SWift 3-7903

Company Abercrombie Drilling & John Jennings Lease & Well No. Legere #1
Elevation 2138 Kelly Bushings Formation Kansas City Ticket Number 7294
Date April 25, 1966 Sec. 23 Twp. 8s Range 23w County Graham State Kansas
Test Approved by Orlin R. Phelps Western Representative Kenneth Cheney

Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 3502' to 3535' Total Depth 3535'
Size Main Hole 6 3/4 Rat Hole ☐ Conv. ☐ B.T. ☐ Damaged ☒ Yes ☒ No ☒ Conv. ☒ B.T. ☐ Damaged ☒ Yes ☒ No
Top Packer Depth 3498 Ft. Size 5 1/2 Packer Depth 3502 Ft. Size 5 1/2
Straddle ☒ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No

Packer Depth 3498 Ft. Size 5 1/2
Tool Size 4 1/2 OD Tool Jt. Size 4FH-3 1/2 IF Anchor Length 3 3 Ft. Size 4.00

RECORDERS Depth 3507 Ft. Clock No. 6895 Depth 3525 Ft. Clock No. 8377
Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4150 No. 2607 Inside Outside
Below Straddle: Depth 3507 Clock No. 6895 Inside Outside Depth 3525 Ft. Clock No. 8377 Inside Outside
Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4150 No. 2607 Inside Outside

Time Set Packer 8:24 P M
Tool Open I.F.P. From 8:25 M to 8:35 M Hr. 10 Min. From (B) 17 P.S.I. To (C) 17 P.S.I.
Tool Closed I.C.I.P. From 8:35 M to 9:05 M Hr. 30 Min. (D) 1340 P.S.I.
Tool Open F.F.P. From 9:05 M to 10:00 M Hr. 55 Min. From (E) 21 P.S.I. To (F) 39 P.S.I.
Tool Closed F.C.I.P. From 10:00 M to 10:30 M Hr. 30 Min. (G) 1257 P.S.I.
Initial Hydrostatic Pressure (A) 1871 P.S.I. Final Hydrostatic Pressure (H) 1859 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION Weak for 45 minutes, then very weak for ten minutes. Bottom Choke Size 3/4 In.

BLOW Weak for 45 minutes, then very weak for ten minutes. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 30' thin mud with trace of oil

Mud Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 41 Weight 10.0 Maximum Temp. 113 °F

EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☐ Jars: Size 600 Make yes Ser. No. yes

Type Circ. Sub. plug Did Tool Plug? ☒ Where? yes Did Packer Hold? ☒

Length Drill Pipe 709 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 600 ft. I.D. Weight Pipe 2.7 in Length Drill Collars 56 ft.

I. D. Drill Collars 2.7 in Length D.S.T. Tool 53 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date April 25, 1966 Test Ticket No. 7294
 Recorder No. 2607 Capacity 4150 Location 3525 Ft.
 Clock No. 8377 Elevation 2138 Kelly Bushings Well Temperature 113 °F

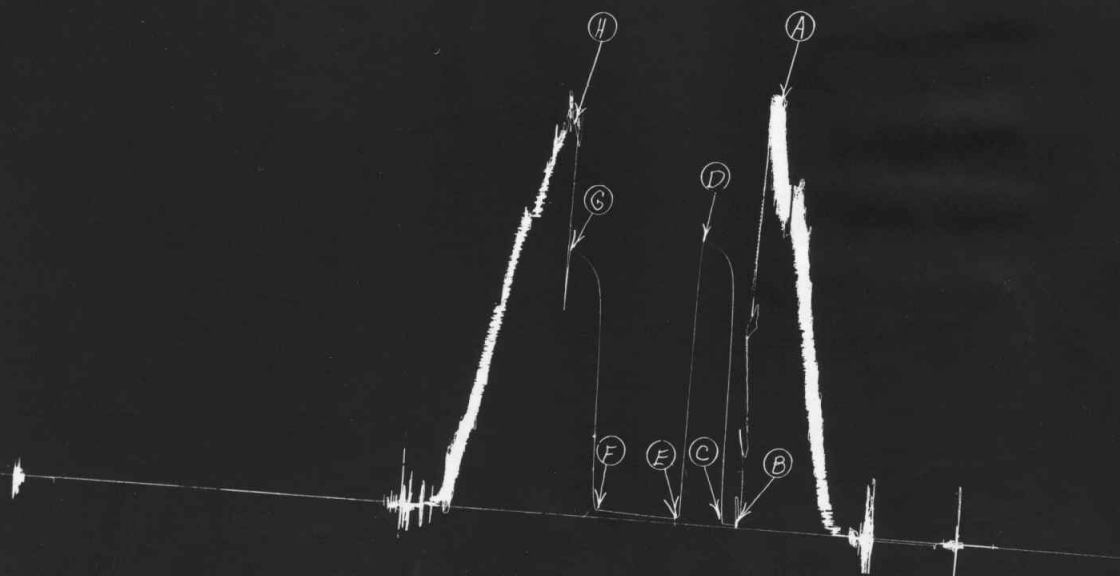
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1871</u> P.S.I.	Opened Tool	<u>8:25 P</u> M	<u>8:25PM</u>
B First Initial Flow Pressure	<u>17</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>17</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>1340</u> P.S.I.	Second Flow Pressure	<u>55</u> Mins.	<u>56</u> Mins.
E Second Initial Flow Pressure	<u>21</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>39</u> P.S.I.			
G Final Closed-in Pressure	<u>1257</u> P.S.I.			
H Final Hydrostatic Mud	<u>1859</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
Breakdown: <u>2</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>2</u> Min.		final inc. of <u>1</u> Min.		final inc. of <u>0</u> Min.	
P 1 <u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>39</u>
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>288</u>	<u>5</u>	<u>21</u>	<u>3</u>	<u>97</u>
P 3 <u>10</u>	<u>17</u>	<u>6</u>	<u>1071</u>	<u>10</u>	<u>22</u>	<u>6</u>	<u>489</u>
P 4		<u>9</u>	<u>1238</u>	<u>15</u>	<u>24</u>	<u>9</u>	<u>1029</u>
P 5		<u>12</u>	<u>1280</u>	<u>20</u>	<u>25</u>	<u>12</u>	<u>1144</u>
P 6		<u>15</u>	<u>1301</u>	<u>25</u>	<u>27</u>	<u>15</u>	<u>1177</u>
P 7		<u>18</u>	<u>1315</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>1209</u>
P 8		<u>21</u>	<u>1324</u>	<u>35</u>	<u>31</u>	<u>21</u>	<u>1223</u>
P 9		<u>24</u>	<u>1332</u>	<u>40</u>	<u>33</u>	<u>24</u>	<u>1238</u>
P10		<u>27</u>	<u>1338</u>	<u>45</u>	<u>35</u>	<u>27</u>	<u>1248</u>
P11		<u>29</u>	<u>1340</u>	<u>50</u>	<u>37</u>	<u>30</u>	<u>1257</u>
P12				<u>55</u>	<u>39</u>		
P13				<u>56</u>	<u>39</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Abercombie Drilling Co.
 John Jennings
 Legere #1

Test #3
 T.K.T. # 7294



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1871 PSI
(B) First Initial Flow Pressure	17 PSI
(C) First Final Flow Pressure	17 PSI
(D) Initial Closed-in Pressure	1340 PSI
(E) Second Initial Flow Pressure	21 PSI
(F) Second Final Flow Pressure	39 PSI
(G) Final Closed-in Pressure	1257 PSI
(H) Final Hydrostatic Mud	1859 PSI



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

Company Abercrombie Drilling & John Jennings Lease & Well No. Legere #1
Elevation 2138 Kelly Bushings Formation Kansas City Ticket Number 7295
Date April 26, 1966 Sec. 23 Twp. 8s Range 23w County Graham State Kansas
Test Approved by John P. Jennings Western Representative Kenneth Cheney

Formation Test No. 4 O.K. ☒ Misrun Interval Tested From 3529' to 3549' Total Depth 3549'
Size Main Hole 6 3/4 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Top Packer Depth 3525 Ft. Size 5 1/2 Packer Depth 3529 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 20 Ft. Size 4 1/2 OD

RECORDERS Depth 3534 Ft. Clock No. 6895 Depth 3545 Ft. Clock No. 8377
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 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 7:34 A M
Tool Open I.F.P. From 7:35 M to 7:45 M Hr. 10 Min. From (B) 25 P.S.I. To (C) 25 P.S.I.
Tool Closed I.C.I.P. From 7:45 M. to 8:45 M. 1 Hr. Min. (D) 42 P.S.I.
Tool Open F.F.P. From 8:45 M. to 9:45 M. 1 Hr. Min. From (E) 29 P.S.I. To (F) 33 P.S.I.
Tool Closed F.C.I.P. From 9:45 M. to 10:15 M. 30 Hr. Min. (G) 33 P.S.I.
Initial Hydrostatic Pressure (A) 1952 P.S.I. Final Hydrostatic Pressure (H) 1926 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M. M. M.

BLOW Weak for ten minutes. Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No Recovery Total Ft. 10' mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 41 Weight 10.0 Maximum Temp. 112 °F

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

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

Length Drill Pipe 2850 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 600 ft. I.D. Weight Pipe 2.7 in Length Drill Collars 56 ft.

I. D. Drill Collars 2.7 in Length D.S.T. Tool 40 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date April 26, 1966 Test Ticket No. 7295
 Recorder No. 2607 Capacity 4150 Location 3534 Ft.
 Clock No. 6891 Elevation 2138 Kelly Bushings Well Temperature 112 °F

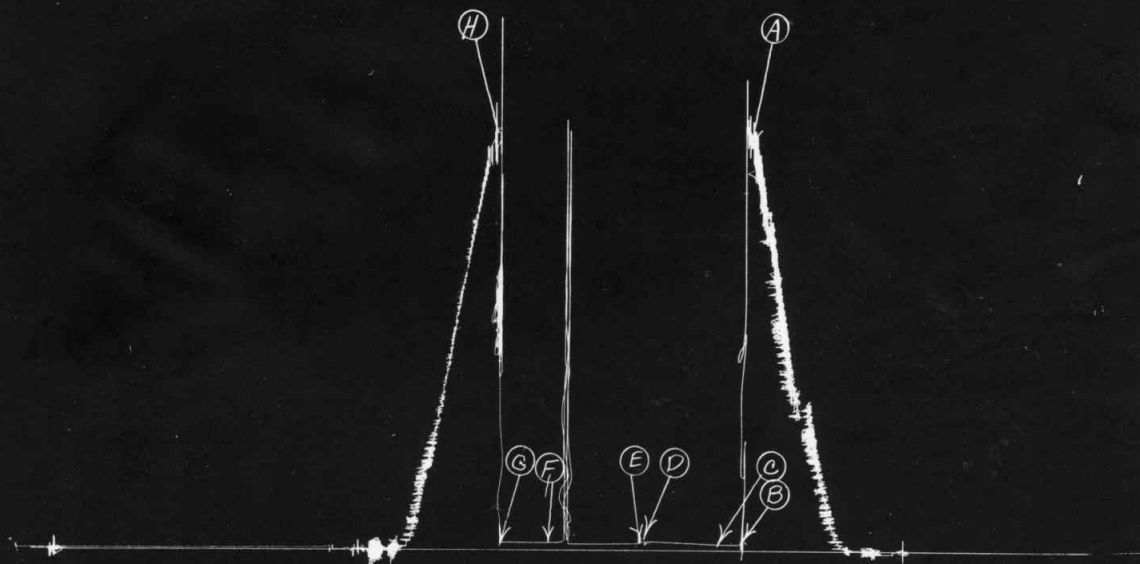
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1952</u> P.S.I.	Opened Tool	<u>7:35</u> M	<u>7:35</u>
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>25</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>42</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>29</u> P.S.I.	Final Closed-in Pressure		
F Second Final Flow Pressure	<u>33</u> P.S.I.			
G Final Closed-in Pressure	<u>33</u> P.S.I.			
H Final Hydrostatic Mud	<u>1926</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>20</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>25</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>33</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>25</u>	<u>5</u>	<u>29</u>	<u>3</u>	<u>33</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>25</u>	<u>10</u>	<u>29</u>	<u>6</u>	<u>33</u>
P 4		<u>9</u>	<u>26</u>	<u>15</u>	<u>29</u>	<u>9</u>	<u>33</u>
P 5		<u>12</u>	<u>26</u>	<u>20</u>	<u>29</u>	<u>12</u>	<u>33</u>
P 6		<u>15</u>	<u>26</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>33</u>
P 7		<u>18</u>	<u>27</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>33</u>
P 8		<u>21</u>	<u>27</u>	<u>35</u>	<u>29</u>	<u>21</u>	<u>33</u>
P 9		<u>24</u>	<u>28</u>	<u>40</u>	<u>29</u>	<u>24</u>	<u>33</u>
P10		<u>27</u>	<u>29</u>	<u>45</u>	<u>33</u>	<u>27</u>	<u>33</u>
P11		<u>30</u>	<u>31</u>	<u>50</u>	<u>33</u>	<u>30</u>	<u>33</u>
P12		<u>33</u>	<u>31</u>	<u>55</u>	<u>33</u>		
P13		<u>36</u>	<u>32</u>	<u>60</u>	<u>33</u>		
P14		<u>39</u>	<u>33</u>				
P15		<u>42</u>	<u>34</u>				
P16		<u>45</u>	<u>35</u>				
P17		<u>48</u>	<u>36</u>				
P18		<u>51</u>	<u>37</u>				
P19		<u>54</u>	<u>38</u>				
P20		<u>57</u>	<u>40</u>				
		<u>60</u>	<u>42</u>				

Abercombie Drilling Co.
John Jennings
Legere #1

Test # 4
T.K.T. # 72 95



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1952 PSI
(B) First Initial Flow Pressure	25 PSI
(C) First Final Flow Pressure	25 PSI
(D) Initial Closed-in Pressure	42 PSI
(E) Second Initial Flow Pressure	29 PSI
(F) Second Final Flow Pressure	33 PSI
(G) Final Closed-in Pressure	33 PSI
(H) Final Hydrostatic Mud	1926 PSI



Home Office: Great Bend, Kansas

P. O. Box 793

SWift 3-7903

Company Abercrombie Drilling & John Jennings Lease & Well No. Legere #1
Elevation 2138 Kelly Bushings Formation Kansas City Ticket Number 7296
Date April 26, 1966 Sec. 23 Twp. 8s Range 23w County Graham State Kansas
Test Approved by John P. Jennings Western Representative Kenneth Cheney

Formation Test No. 5 O.K. ☒ Misrun Interval Tested From 3544' to 3567' Total Depth 3567'
Size Main Hole 6 3/4" Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Top Packer Depth 3540 Ft. Size 5 1/2 Packer Depth 3544 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 22 Ft. Size 4 1/2 OD
RECORDERS Depth 3547 Ft. Clock No. 8377 Depth 3561 Ft. Clock No. 6895
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth Clock No. Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 6:39P M
Tool Open I.F.P. From 6:40 M to 6:55 M Hr. 15 Min. From (B) 7 P.S.I. To (C) 7 P.S.I.
Tool Closed I.C.I.P. From 6:55 M to 7:10 M Hr. 15 Min. (D) 7 P.S.I.
Tool Open F.F.P. From 7:10 M to 7:25 M Hr. 15 Min. From (E) 7 P.S.I. To (F) 7 P.S.I.
Tool Closed F.C.I.P. From 7:25 M to 7:40 M Hr. 15 Min. (G) 7 P.S.I.
Initial Hydrostatic Pressure (A) 1877 P.S.I. Final Hydrostatic Pressure (H) 1861 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
M.
M.

BLOW Very weak for 15 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 5' mud
Mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 45 Weight 10.3 Maximum Temp. 103 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 2869 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 600 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 56
I. D. Drill Collars 2.7 in. Length D.S.T. Tool 42 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date April 26, 1966

Test Ticket No. 7296

Recorder No. 2607

Capacity 4150

Location 3547 Ft.

Clock No. 8377

Elevation 2138 Kelly Bushings

Well Temperature 103 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>1877</u>	P.S.I.
B First Initial Flow Pressure	<u>7</u>	P.S.I.
C First Final Flow Pressure	<u>7</u>	P.S.I.
D Initial Closed-in Pressure	<u>7</u>	P.S.I.
E Second Initial Flow Pressure	<u>7</u>	P.S.I.
F Second Final Flow Pressure	<u>7</u>	P.S.I.
G Final Closed-in Pressure	<u>7</u>	P.S.I.
H Final Hydrostatic Mud	<u>1861</u>	P.S.I.

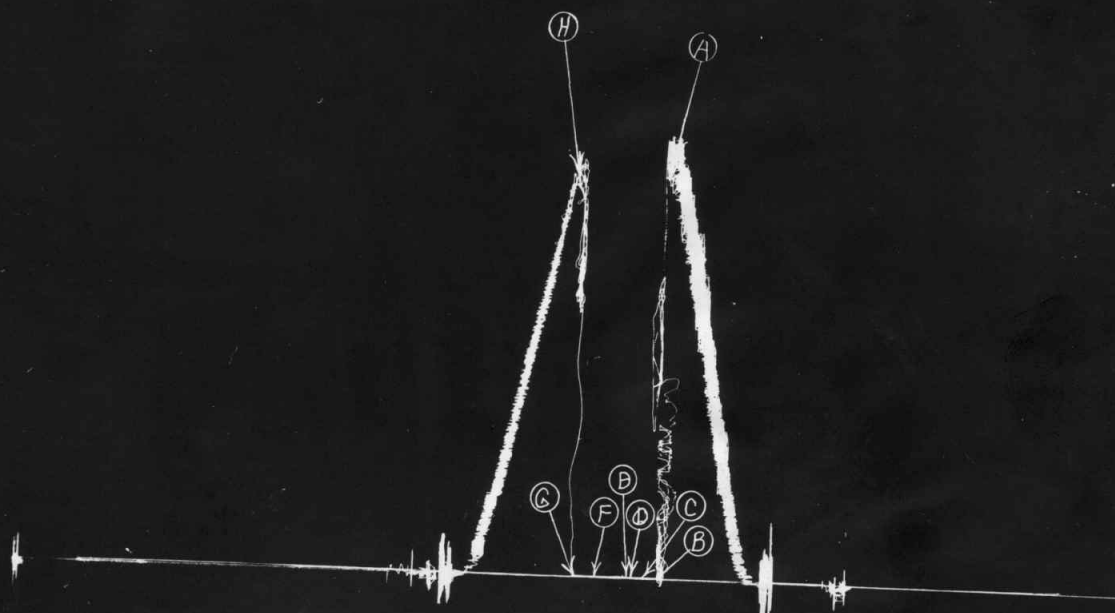
	Time Given	Time Computed
Opened Tool	<u>6:40 M</u>	<u>6:40 P</u>
First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
Initial Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
Final Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>5</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>7</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>7</u>
P 2 <u>5</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>5</u>	<u>7</u>	<u>3</u>	<u>7</u>
P 3 <u>10</u>	<u>7</u>	<u>6</u>	<u>7</u>	<u>10</u>	<u>7</u>	<u>6</u>	<u>7</u>
P 4 <u>15</u>	<u>7</u>	<u>9</u>	<u>7</u>	<u>15</u>	<u>7</u>	<u>9</u>	<u>7</u>
P 5		<u>12</u>	<u>7</u>			<u>12</u>	<u>7</u>
P 6		<u>15</u>	<u>7</u>			<u>15</u>	<u>7</u>
P 7							
P 8							
P 9							
P 10							
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

A Bercombie DrLg. Co.
Legere #1

Test #5
T.K.T. # 7296



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1877 PSI
(B) First Initial Flow Pressure	7 PSI
(C) First Final Flow Pressure	7 PSI
(D) Initial Closed-in Pressure	7 PSI
(E) Second Initial Flow Pressure	7 PSI
(F) Second Final Flow Pressure	7 PSI
(G) Final Closed-in Pressure	7 PSI
(H) Final Hydrostatic Mud	1861 PSI



Home Office: Great Bend, Kansas

P. O. Box 793

SWift 3-7903

Company Abercrombie Drilling & John Jennings Lease & Well No. Legere #1
Elevation 2138 Kelly Bushings Formation Kansas City Ticket Number 7297
Date April 27, 1966 Sec. 23 Twp. 8 Range 23 County Graham State Kansas
Test Approved by John P. Jennings Western Representative Kenneth Cheney

Formation Test No. 6 O.K. ☒ Misrun Interval Tested From 3563' to 3585' Total Depth 3585'
Size Main Hole 6 3/4 Rat Hole Conv. ☒ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. ☒ Damaged Yes ☒ No
Top Packer Depth 3559 Ft. Size 5 1/2 Packer Depth 3563 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 22 Ft. Size 4 1/2 OD
RECORDERS Depth 3566 Ft. Clock No. 8377 Depth 3580 Ft. Clock No. 6795
Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4150 No. 2607 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 5:04 A M
Tool Open I.F.P. From 5:05 M to 5:15 M Hr. 10 Min. From (B) 34 P.S.I. To (C) 40 P.S.I.
Tool Closed I.C.I.P. From 5:15 M to 5:45 M Hr. 30 Min. (D) 1359 P.S.I.
Tool Open F.F.P. From 5:45 M to 6:45 M 1 Hr. Min. From (E) 47 P.S.I. To (F) 65 P.S.I.
Tool Closed F.C.I.P. From 6:45 M to 7:15 M Hr. 30 Min. (G) 1314 P.S.I.
Initial Hydrostatic Pressure (A) 1903 P.S.I. Final Hydrostatic Pressure (H) 1899 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
M.
M.

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

Did Well Flow Yes ☒ No Recovery Total Ft. 80' watery mud Mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 45 Weight 10.3 Maximum Temp. 114 °F

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

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

Length Drill Pipe 2889 ft. I.D. Drill Pipe 2.7 in Length Weight Pipe 600 ft. I.D. Weight Pipe 2.7 in Length Drill Collars 56 ft.

I. D. Drill Collars 2.7 in Length D.S.T. Tool 42 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

April 27, 1966

7297

Date _____

Test Ticket No. _____

Recorder No. 2607

Capacity 4150

Location 3580 Ft.

Clock No. 6795

Elevation 2138 Kelly Bushings

Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1903</u> P.S.I.	Opened Tool	<u>5:05 A</u> M	<u>5:05AM</u>
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>1359</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>47</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>65</u> P.S.I.			
G Final Closed-in Pressure	<u>1314</u> P.S.I.			
H Final Hydrostatic Mud	<u>1899</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 2 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 1 Min.

Second Flow Pressure

Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 3 Min.

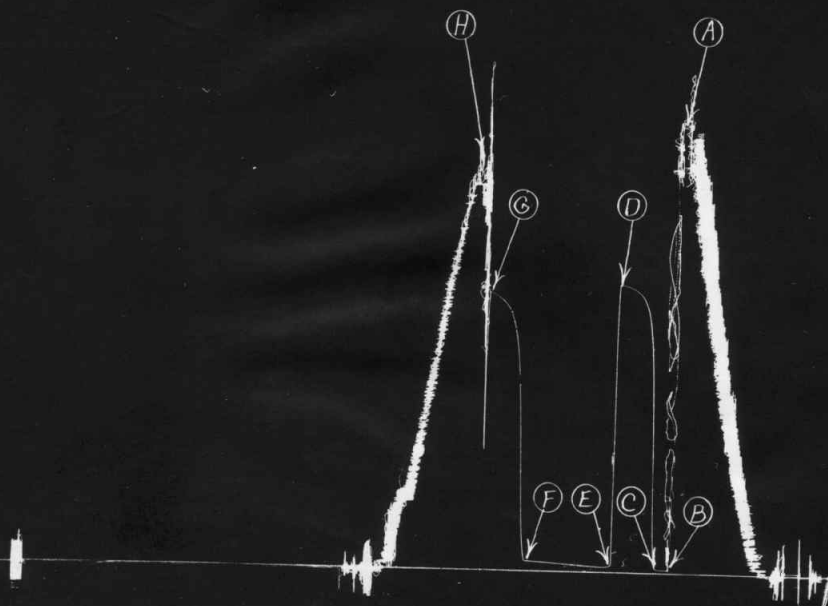
Final Shut-In

Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 2 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>40</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>65</u>
P 2 <u>5</u>	<u>37</u>	<u>3</u>	<u>973</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>317</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>1182</u>	<u>10</u>	<u>49</u>	<u>6</u>	<u>952</u>
P 4 _____		<u>9</u>	<u>1265</u>	<u>15</u>	<u>51</u>	<u>9</u>	<u>1131</u>
P 5 _____		<u>12</u>	<u>1314</u>	<u>20</u>	<u>53</u>	<u>12</u>	<u>1203</u>
P 6 _____		<u>15</u>	<u>1333</u>	<u>25</u>	<u>55</u>	<u>15</u>	<u>1256</u>
P 7 _____		<u>18</u>	<u>1343</u>	<u>30</u>	<u>57</u>	<u>18</u>	<u>1286</u>
P 8 _____		<u>21</u>	<u>1349</u>	<u>35</u>	<u>59</u>	<u>21</u>	<u>1298</u>
P 9 _____		<u>24</u>	<u>1356</u>	<u>40</u>	<u>60</u>	<u>24</u>	<u>1308</u>
P10 _____		<u>27</u>	<u>1359</u>	<u>45</u>	<u>61</u>	<u>27</u>	<u>1312</u>
P11 _____		<u>28</u>	<u>1359</u>	<u>50</u>	<u>63</u>	<u>29</u>	<u>1314</u>
P12 _____				<u>55</u>	<u>64</u>		
P13 _____				<u>58</u>	<u>65</u>		
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Abercombie DrLg. Co.
& John Jennings.
Legere #1

Test # 6
TKT # 7297



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	1903	PSI
(B) First Initial Flow Pressure	34	PSI
(C) First Final Flow Pressure	40	PSI
(D) Initial Closed-in Pressure	1359	PSI
(E) Second Initial Flow Pressure	47	PSI
(F) Second Final Flow Pressure	65	PSI
(G) Final Closed-in Pressure	1314	PSI
(H) Final Hydrostatic Mud	1899	PSI