



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

Company **K & E Drlg. Co.**

Lease & Well No. **Laudick #1**

Elevation **1913 Derrick Floor (estimated) Kansas City** Formation **-----** Effective Pay **-----** Ft. Ticket No. **6936**

Date **9-30-67** Sec. **23** Twp. **18s** Range **14w** County **Barton** State **Kansas**

Test Approved by **Raymond R. Dombaugh** Western Representative **Guy M. Knipe**

Formation Test No. **1** O.K. Misrun Interval Tested From **3152'** to **3185'** Total Depth **3185'**

Size Main Hole **6 1/4** Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Packer Depth **3147** Ft. Size **5 1/2** Packer Depth **3152** Ft. Size **5 1/2**

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

Packer Depth Ft. Size

Tool Size **4 1/2" O.D.** Tool Jt. Size **3 1/2" I.F.** Anchor Length **33** Ft. Size **4 1/2" O.D.**

RECORDERS Depth **3170** Ft. Clock No. **6806** Depth **3175** Ft. Clock No. **8476**

Top Make **Kuster** Cap. **3150** No. **1562** ~~Inside~~ ~~Outside~~ Bottom Make **Kuster** Cap. **3150** No. **1563** ~~Inside~~ ~~Outside~~

Below Straddle: Depth Clock No. ~~Inside~~ ~~Outside~~ Depth Ft. Clock No. ~~Inside~~ ~~Outside~~

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

Time Set Packer **1:26 P.** M

Tool Open I.F.P. From **1:30** M. to **1:45 p** M. Hr. **15** Min. From (B) **12** P.S.I. To (C) **12** P.S.I.

Tool Closed I.C.I.P. From **1:45** M. to **2:15 p** M. Hr. **30** Min. (D) **18** P.S.I.

Tool Open F.F.P. From **2:15** M. to **2:45 p** M. Hr. **30** Min. From (E) **15** P.S.I. To (F) **15** P.S.I.

Tool Closed F.C.I.P. From **2:45** M. to **3:15 p** M. Hr. **30** Min. (G) **15** P.S.I.

Initial Hydrostatic Pressure (A) **1751** P.S.I. Final Hydrostatic Pressure (H) **1700** P.S.I.

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

INFORMATION M.

M.

M.

BLOW **Weak for seven minutes (see remarks)** Bottom Choke Size **3/4** In.

Did Well Flow Yes No Recovery Total Ft. **1 1/2 feet mud.**

Reversed Out Yes No Mud Type **starch** Viscosity **47** Weight **10.3** Water Loss **-----** cc. Maximum Temp. **109** °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 **1908** ft. I.D. Drill Pipe **2.7** in. Length Weight Pipe **1020** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **203** ft.

I. D. Drill Collars **2.3** in. Length D.S.T. Tool **54** ft.

Remarks **Flushed tool after fifteen minutes on second flow, few bubbles, died.**

WESTERN TESTING CO., INC.

Pressure Data

Date 9-30-67 Test Ticket No. 6936
 Recorder No. 1563 Capacity 3150 Location 3170 Ft.
 Clock No. 8476 Elevation 1913 Derrick Floor(estimated) Well Temperature 109 °F

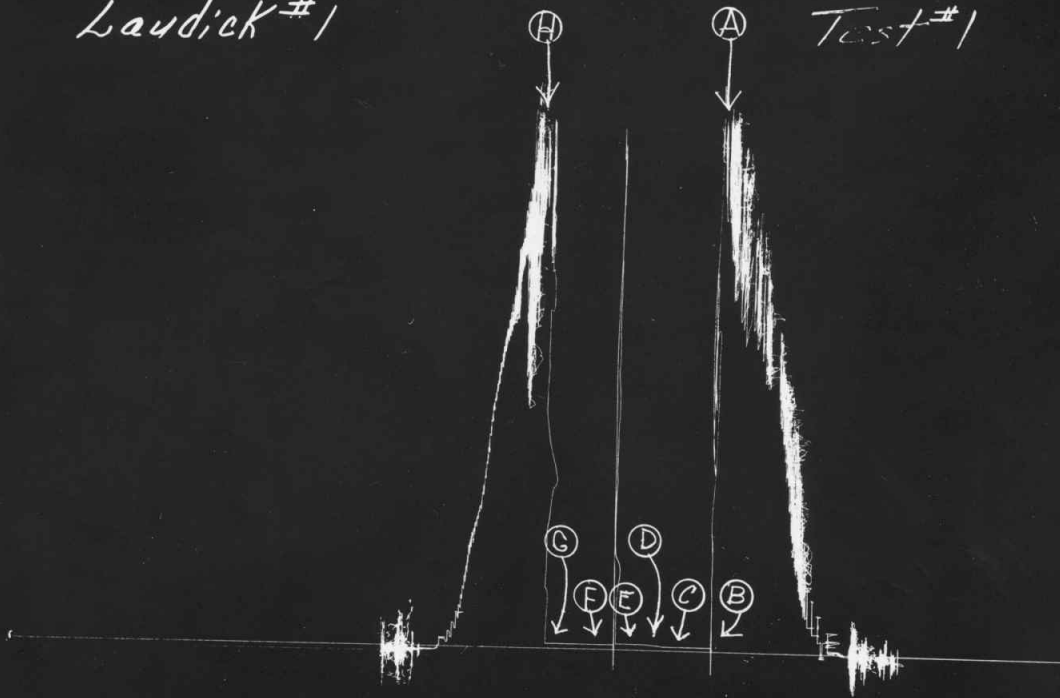
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1751</u> P.S.I.	Opened Tool	<u>1:26</u> P. M.	
B First Initial Flow Pressure	<u>12</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>12</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>18</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>15</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>15</u> P.S.I.			
G Final Closed-in Pressure	<u>15</u> P.S.I.			
H Final Hydrostatic Mud	<u>1700</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		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 <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>0</u>	<u>12</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>15</u>
P 2	<u>5</u>	<u>3</u>	<u>13</u>	<u>5</u>	<u>15</u>	<u>3</u>	<u>15</u>
P 3	<u>10</u>	<u>6</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>6</u>	<u>15</u>
P 4	<u>15</u>	<u>9</u>	<u>17</u>	<u>15</u>	<u>15</u>	<u>9</u>	<u>15</u>
P 5		<u>12</u>	<u>18</u>	<u>20</u>	<u>15</u>	<u>12</u>	<u>15</u>
P 6		<u>15</u>	<u>18</u>	<u>25</u>	<u>15</u>	<u>15</u>	<u>15</u>
P 7		<u>18</u>	<u>18</u>	<u>30</u>	<u>15</u>	<u>18</u>	<u>15</u>
P 8		<u>21</u>	<u>18</u>			<u>21</u>	<u>15</u>
P 9		<u>24</u>	<u>18</u>			<u>24</u>	<u>15</u>
P10		<u>27</u>	<u>18</u>			<u>27</u>	<u>15</u>
P11		<u>30</u>	<u>18</u>			<u>30</u>	<u>15</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

K & E Drilg Co.
Laudick #1

TKT-6936
Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1778	1751	PSI
(B) First Initial Flow Pressure	15	12	PSI
(C) First Final Flow Pressure	15	12	PSI
(D) Initial Closed-in Pressure	20	18	PSI
(E) Second Initial Flow Pressure	15	15	PSI
(F) Second Final Flow Pressure	15	15	PSI
(G) Final Closed-in Pressure	15	15	PSI
(H) Final Hydrostatic Mud	1762	1700	PSI



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Company K & E Drlg. Co. Lease & Well No. Laudick # 1
Elevation Estimated 1913 Formation Kansas City Effective Pay ----- Ft. Ticket No. 6937
Date 10-1-67 Sec. 23 Twp. 18s Range 14w County Barton State Kansas
Test Approved by Raymond R. Dombaugh Western Representative Guy M. Knipe

Formation Test No. 2 O.K. Misrun Interval Tested From 3194' to 3218' Total Depth 3218'
Size Main Hole 6 1/4 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 3189 Ft. Size 5 1/2 Packer Depth 3194 Ft. Size 5 1/2
Straddle Yes No Conv. B.T. Damaged Yes No

Tool Size 4 1/2" OD Tool Jt. Size 3 1/2" I.F. Anchor Length 24 Ft. Size 4 1/2" OD

RECORDERS Depth 3208 Ft. Clock No. 6806 Depth 3213 Ft. Clock No. 8476
Top Make Kuster Cap. 3150 No. 1562 Inside Outside Bottom Make Kuster Cap. 3150 No. 1563 Inside Outside
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 1:21 A. M
Tool Open I.F.P. From 1:25 M. to 1:40 a M. Hr. 15 Min. From (B) 21 P.S.I. To (C) 21 P.S.I.
Tool Closed I.C.I.P. From 1:40 M. to 2:10 a M. Hr. 30 Min. (D) 41 P.S.I.
Tool Open F.F.P. From 2:10 M. to 2:40 a M. Hr. 30 Min. From (E) 37 P.S.I. To (F) 37 P.S.I.
Tool Closed F.C.I.P. From 2:40 M. to 3:10 a M. Hr. 30 Min. (G) 37 P.S.I.
Initial Hydrostatic Pressure (A) 1720 P.S.I. Final Hydrostatic Pressure (H) 1691 P.S.I.

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

BLOW Weak blow fifteen minutes - died. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. Four feet mud.

Reversed Out Yes No Mud Type starch Viscosity 47 Weight 10.3 Water Loss ----- cc. Maximum Temp. 109 °F
EXTRA EQUIPMENT: Dual Packers Safety Joint Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 1950 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1020 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 203 ft.
I. D. Drill Collars 2.3 in. Length D.S.T. Tool 45 ft.

Remarks Took pressure per square inch off R-1563

WESTERN TESTING CO., INC.

Pressure Data

Date 10-1-67 Test Ticket No. 6937
 Recorder No. 1563 Capacity 3150 Location 3213 Ft.
 Clock No. 4150 Elevation 1913 Estimated Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1720</u>	P.S.I.	<u>1:21</u> A. M.	
B First Initial Flow Pressure	<u>21</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>21</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>41</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>37</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>37</u>	P.S.I.		
G Final Closed-in Pressure	<u>37</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1691</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		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 <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>21</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>21</u>	<u>3</u>	<u>21</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>37</u>
P 3 <u>10</u>	<u>21</u>	<u>6</u>	<u>21</u>	<u>10</u>	<u>37</u>	<u>6</u>	<u>37</u>
P 4 <u>15</u>	<u>21</u>	<u>9</u>	<u>21</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>37</u>
P 5		<u>12</u>	<u>27</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>37</u>
P 6		<u>15</u>	<u>29</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>37</u>
P 7		<u>18</u>	<u>34</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>37</u>
P 8		<u>21</u>	<u>37</u>			<u>21</u>	<u>37</u>
P 9		<u>24</u>	<u>39</u>			<u>24</u>	<u>37</u>
P10		<u>27</u>	<u>40</u>			<u>27</u>	<u>37</u>
P11		<u>30</u>	<u>41</u>			<u>30</u>	<u>37</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

K & E Drilg Co.
Laudick #1

TKT-6931
Test #2

This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1722	1720	PSI
(B) First Initial Flow Pressure	23	21	PSI
(C) First Final Flow Pressure	23	21	PSI
(D) Initial Closed-in Pressure	38	41	PSI
(E) Second Initial Flow Pressure	31	37	PSI
(F) Second Final Flow Pressure	31	37	PSI
(G) Final Closed-in Pressure	35	37	PSI
(H) Final Hydrostatic Mud	1698	1691	PSI



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Company K & E Drilg. Co. Lease & Well No. Laudick # 1
 Elevation 1913 Derrick Floor Formation Kansas City Effective Pay ----- Ft. Ticket No. 6938
 Date 10-1-67 Sec. 23 Twp. 18s Range 14w County Barton State Kansas
 Test Approved by Raymond R. Dombaugh Western Representative Guy M. Knipe

Formation Test No. 3 O.K. Misrun Interval Tested From 3228' to 3239' Total Depth 3239'
 Size Main Hole 6 1/4 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Packer Depth 3223 Ft. Size 5 1/2 Packer Depth 3228 Ft. Size 5 1/2
 Straddle Yes No Conv. B.T. Damaged Yes No

Packer Depth 3223 Ft. Size 5 1/2
 Tool Size 4 1/2" OD Tool Jt. Size 3 1/2" I.F. Anchor Length 11 Ft. Size 5 1/2" OD

RECORDERS Depth 3230 Ft. Clock No. 6806 Depth 3235 Ft. Clock No. 8476
 Top Make Kuster Cap. 3150 No. 1562 Inside Outside Bottom Make Kuster Cap. 3150 No. 1563 Inside Outside
 Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
 Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 11:35 A. M
 Tool Open I.F.P. From 11:40 M. to 12:00 M. Hr. 20 Min. From (B) ---- P.S.I. To (C) 50 P.S.I.
 Tool Closed I.C.I.P. From 12:00 M. to 12:30pM. Hr. 30 Min. (D) 1185 P.S.I.
 Tool Open F.F.P. From 12:30 M. to 2:30 pM. 2 Hr. -- Min. From (E) 54 P.S.I. To (F) 209 P.S.I.
 Tool Closed F.C.I.P. From 2:30 M. to 3:15 M. Hr. 45 Min. (G) 1181 P.S.I.
 Initial Hydrostatic Pressure (A) 1741 P.S.I. Final Hydrostatic Pressure (H) 1732 P.S.I.

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

BLOW Fair 3 inch blow Bottom Choke Size 3/4 In.
 Did Well Flow Yes No Recovery Total Ft. 122 feet thin mud; 60 feet muddy water; 180 feet salt water.

Reversed Out Yes No Mud Type starch Viscosity 41 Weight 10.1 Water Loss --- cc. Maximum Temp. 112 °F
 EXTRA EQUIPMENT: Dual Packers Safety Joint Jars: Size Make Ser. No.
 Type Circ. Sub. plug Did Tool Plug? No Where? Did Packer Hold? Yes
 Length Drill Pipe 2186 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1020 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
 I. D. Drill Collars in. Length D.S.T. Tool 33 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 10-1-67 Test Ticket No. 6938
 Recorder No. 1562 Capacity 3150 Location 3230 Ft.
 Clock No. 6806 Elevation 1913 Derrick Floor estimated Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1741</u>	P.S.I.	<u>11:35 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>----</u>	P.S.I.	<u>20</u>	<u>--</u>
C First Final Flow Pressure	<u>50</u>	P.S.I.	<u>30</u>	<u>29</u>
D Initial Closed-in Pressure	<u>1185</u>	P.S.I.	<u>120</u>	<u>118</u>
E Second Initial Flow Pressure	<u>54</u>	P.S.I.	<u>45</u>	<u>45</u>
F Second Final Flow Pressure	<u>209</u>	P.S.I.		
G Final Closed-in Pressure	<u>1181</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1732</u>	P.S.I.		

PRESSURE BREAKDOWN

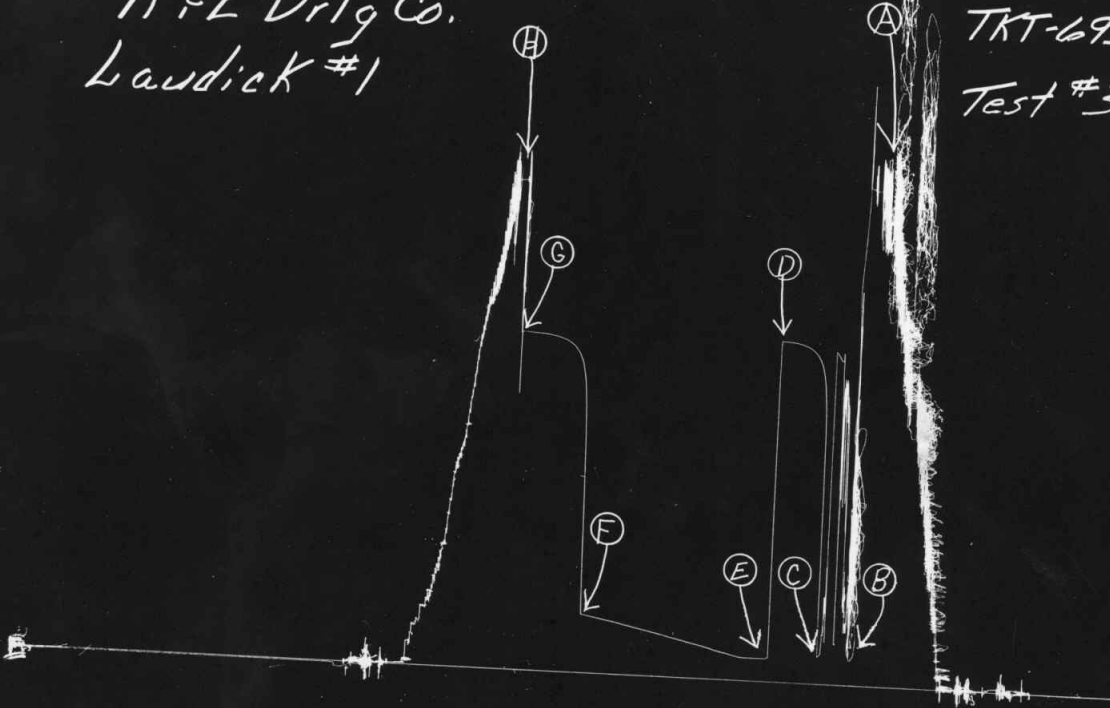
First Flow Press. Breakdown: <u>--</u> Inc. of <u>--</u> mins. and a final inc. of <u>--</u> Min.	Initial Shut-In Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.	Second Flow Pressure Breakdown: <u>23</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Final Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>--</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>		<u>0</u>	<u>50</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>209</u>
P 2 <u>5</u>		<u>3</u>	<u>1087</u>	<u>5</u>	<u>64</u>	<u>3</u>	<u>1015</u>
P 3 <u>10</u>		<u>6</u>	<u>1141</u>	<u>10</u>	<u>72</u>	<u>6</u>	<u>1109</u>
P 4 <u>15</u>		<u>9</u>	<u>1160</u>	<u>15</u>	<u>80</u>	<u>9</u>	<u>1136</u>
P 5 <u>20</u>	<u>50</u>	<u>12</u>	<u>1169</u>	<u>20</u>	<u>86</u>	<u>12</u>	<u>1152</u>
P 6		<u>15</u>	<u>1174</u>	<u>25</u>	<u>94</u>	<u>15</u>	<u>1161</u>
P 7		<u>18</u>	<u>1179</u>	<u>30</u>	<u>102</u>	<u>18</u>	<u>1167</u>
P 8		<u>21</u>	<u>1182</u>	<u>35</u>	<u>108</u>	<u>21</u>	<u>1171</u>
P 9		<u>24</u>	<u>1183</u>	<u>40</u>	<u>116</u>	<u>24</u>	<u>1172</u>
P10		<u>27</u>	<u>1184</u>	<u>45</u>	<u>122</u>	<u>27</u>	<u>1176</u>
P11		<u>29</u>	<u>1185</u>	<u>50</u>	<u>128</u>	<u>30</u>	<u>1177</u>
P12				<u>55</u>	<u>136</u>	<u>33</u>	<u>1179</u>
P13				<u>60</u>	<u>141</u>	<u>36</u>	<u>1179</u>
P14				<u>65</u>	<u>149</u>	<u>39</u>	<u>1180</u>
P15				<u>70</u>	<u>155</u>	<u>42</u>	<u>1180</u>
P16				<u>75</u>	<u>160</u>	<u>45</u>	<u>1181</u>
P17				<u>80</u>	<u>166</u>	<u>48</u>	
P18				<u>85</u>	<u>172</u>		
P19				<u>90</u>	<u>178</u>		
P20				<u>95</u>	<u>184</u>		
				<u>100</u>	<u>190</u>		
				<u>105</u>	<u>195</u>		
				<u>110</u>	<u>201</u>		
				<u>115</u>	<u>205</u>		
				<u>118</u>	<u>209</u>		

Too much plugging action for psi breakdown

K & E Drilg Co.
Laudick #1

TKT-6938
Test #3



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1732	1741	PSI
(B) First Initial Flow Pressure	15	---	PSI
(C) First Final Flow Pressure	47	50	PSI
(D) Initial Closed-in Pressure	1184	1185	PSI
(E) Second Initial Flow Pressure	54	54	PSI
(F) Second Final Flow Pressure	204	209	PSI
(G) Final Closed-in Pressure	1176	1181	PSI
(H) Final Hydrostatic Mud	1724	1732	PSI



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Company **Estimated K & E Drilling Co.** Lease & Well No. **Laudick # 1**
Elevation **1913 Derrick Floor** Formation **Arbuckle** Effective Pay **-----** Ft. Ticket No. **6939**
Date **10-2-67** Sec. **23** Twp. **19s** Range **14w** County **Barton** State **Kansas**
Test Approved by **Raymond R. Dombaugh** Western Representative **W. M. Nething**

Formation Test No. **4** O.K. Misrun Interval Tested From **3396'** to **3403'** Total Depth **3403'**
Size Main Hole **6 1/4** Nat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth **3396** Ft. Size **5 1/2** Packer Depth **3391** 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 **3 1/2" I.F.** Anchor Length **7** Ft. Size **4 1/2" OD**

RECORDERS Depth **3383** Ft. Clock No. **6806** Depth **3400** Ft. Clock No. **8476**
Top Make **Amerada** Cap. **3150** No. **1562** ~~Inside~~ Outside Bottom Make **Amerada** Cap. **3150** No. **1563** ~~Inside~~ Outside
Below Straddle: Depth Clock No. ~~Inside~~ Outside Depth Ft. Clock No. ~~Inside~~ Outside
Top Make Cap. No. ~~Inside~~ Outside Bottom Make Cap. No. ~~Inside~~ Outside

Time Set Packer **4:30 P.** M
Tool Open I.F.P. From **4:33** M. to **4:48 P.M.** Hr. **15** Min. From (B) **0** P.S.I. To (C) **4** P.S.I.
Tool Closed I.C.I.P. From **4:48** M. to **5:18 p.M.** Hr. **30** Min. (D) **987** P.S.I.
Tool Open F.F.P. From **5:18** M. to **7:03 p.M.** **1** Hr. **45** Min. From (E) **10** P.S.I. To (F) **58** P.S.I.
Tool Closed F.C.I.P. From **7:03** M. to **8:34 p.M.** Hr. **45** Min. (G) **917** P.S.I.
Initial Hydrostatic Pressure (A) **1821** P.S.I. Final Hydrostatic Pressure (H) **1808** P.S.I.

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

BLOW **Weak Blow** Bottom Choke Size **3/4** In.
Did Well Flow Yes No Recovery Total Ft. **180 feet gas; 100 feet gassy oil; 60 feet muddy oil;**
(oil 40° @ 76°)

Reversed Out Yes No Mud Type **starch** Viscosity **52-52** Weight **10** Water Loss **-----** cc. Maximum Temp. **115** °F
EXTRA EQUIPMENT: Dual Packers **dual** Safety Joint Jars: Size Make Ser. No.
Type Circ. Sub. **plug** Did Tool Plug? **no** Where? Did Packer Hold? **yes**
Length Drill Pipe **2351** ft. I.D. Drill Pipe **2.7** in. Length Weight Pipe **1020** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool **32** ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 10-2-67 Test Ticket No. 6939
 Recorder No. 1562 Capacity 3150 Location 3383 Ft.
 Clock No. 6806 Elevation Estimated 1913 Derrick Floor Well Temperature 115 °F

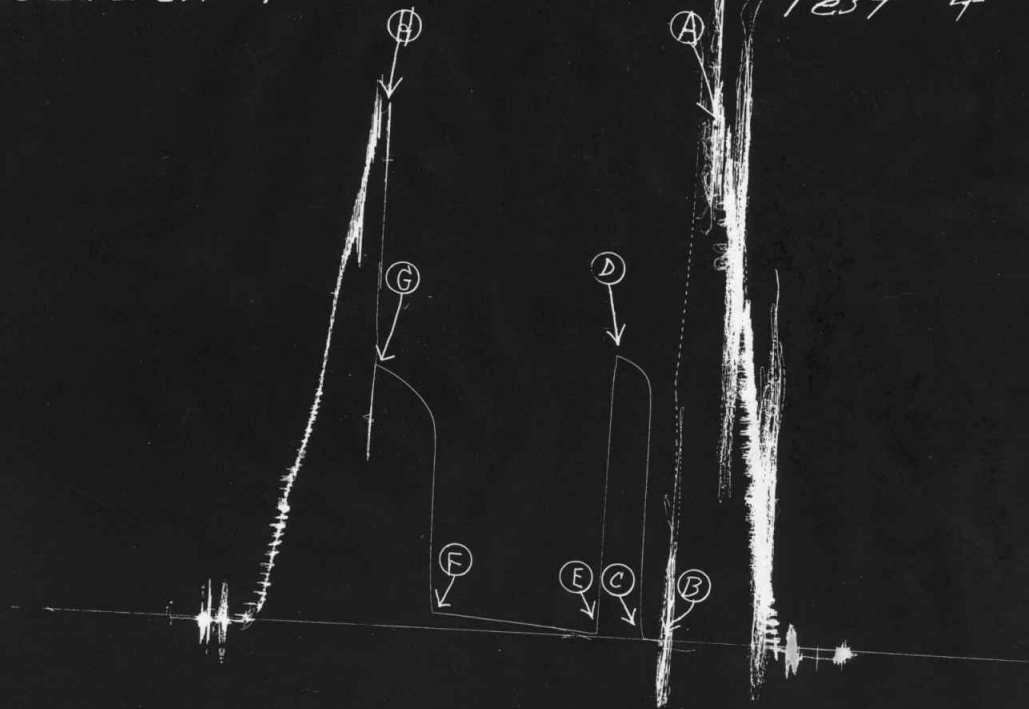
Point	Pressure		Time Given	P.M.	Time Computed
A Initial Hydrostatic Mud	1821	P.S.I.	4:30		
B First Initial Flow Pressure	0	P.S.I.	15	Mins.	15 Mins.
C First Final Flow Pressure	4	P.S.I.	30	Mins.	30 Mins.
D Initial Closed-in Pressure	987	P.S.I.	105	Mins.	106 Mins.
E Second Initial Flow Pressure	10	P.S.I.	45	Mins.	45 Mins.
F Second Final Flow Pressure	58	P.S.I.			
G Final Closed-in Pressure	917	P.S.I.			
H Final Hydrostatic Mud	1808	P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>3</u> mins. and a		of <u>10</u> mins. and a		of <u>21</u> mins. and a		of <u>15</u> mins. and a	
	final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>1</u> Min.		final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	<u>0</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>58</u>	<u>0</u>
P 2	<u>0</u>	<u>3</u>	<u>136</u>	<u>3</u>	<u>12</u>	<u>5</u>	<u>269</u>	<u>3</u>
P 3	<u>2</u>	<u>6</u>	<u>831</u>	<u>6</u>	<u>15</u>	<u>10</u>	<u>719</u>	<u>6</u>
P 4	<u>4</u>	<u>9</u>	<u>915</u>	<u>9</u>	<u>17</u>	<u>15</u>	<u>760</u>	<u>9</u>
P 5		<u>12</u>	<u>938</u>	<u>12</u>	<u>20</u>	<u>20</u>	<u>784</u>	<u>12</u>
P 6		<u>15</u>	<u>951</u>	<u>15</u>	<u>22</u>	<u>25</u>	<u>806</u>	<u>15</u>
P 7		<u>18</u>	<u>964</u>	<u>18</u>	<u>24</u>	<u>30</u>	<u>823</u>	<u>18</u>
P 8		<u>21</u>	<u>971</u>	<u>21</u>	<u>28</u>	<u>35</u>	<u>837</u>	<u>21</u>
P 9		<u>24</u>	<u>979</u>	<u>24</u>	<u>31</u>	<u>40</u>	<u>851</u>	<u>24</u>
P10		<u>27</u>	<u>984</u>	<u>27</u>	<u>33</u>	<u>45</u>	<u>864</u>	<u>27</u>
P11		<u>30</u>	<u>987</u>	<u>30</u>	<u>36</u>	<u>50</u>	<u>875</u>	<u>30</u>
P12					<u>37</u>	<u>55</u>	<u>886</u>	<u>33</u>
P13					<u>39</u>	<u>60</u>	<u>895</u>	<u>36</u>
P14					<u>41</u>	<u>65</u>	<u>903</u>	<u>39</u>
P15					<u>43</u>	<u>70</u>	<u>912</u>	<u>42</u>
P16					<u>45</u>	<u>75</u>	<u>917</u>	<u>45</u>
P17					<u>48</u>	<u>80</u>		
P18					<u>51</u>	<u>85</u>		
P19					<u>53</u>	<u>90</u>		
P20					<u>55</u>	<u>95</u>		
					<u>56</u>	<u>100</u>		
					<u>57</u>	<u>105</u>		
					<u>58</u>	<u>116</u>		

K & E Drlg Co.
Laudick #1

TKT-6939
Test #4



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1818	1821	PSI
(B) First Initial Flow Pressure	9	0	PSI
(C) First Final Flow Pressure	9	4	PSI
(D) Initial Closed-in Pressure	987	987	PSI
(E) Second Initial Flow Pressure	9	10	PSI
(F) Second Final Flow Pressure	55	58	PSI
(G) Final Closed-in Pressure	926	917	PSI
(H) Final Hydrostatic Mud	1804	1808	PSI