



Home Office: Great Bend, Kansas

P. O. Box 793

Swift 3-7903

Company K. & E. Drilling Company Lease & Well No. Baier #1
Elevation 1579 Derrick Floor Formation Ch. Sand Ticket Number 7874
Date April 28, 1967 Sec. 36 Twp. 34 Range 14 County Barber State Kansas
Test Approved by Jack H. Brown Western Representative Leon Elmore

Formation Test No. 1 O.K. ☒ Misrun Interval Tested From 4769' to 4790' Total Depth 4790'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. ☒ Damaged Yes ☒ No Conv. B.T. Damaged Yes No
Packer Depth 4769 Ft. Size 6 3/4 Packer Depth Ft. Size
Straddle Yes ☒ No Conv. B.T. Damaged Yes No

Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Jt. Size 4 FH Anchor Length 21 Ft. Size 5 1/2 OD
RECORDERS Depth 4783 Ft. Clock No. 6894 Depth 4786 Ft. Clock No. 5665
Top Make Kuster Cap. 4400 No. 2603 Inside Outside Bottom Make Kuster Cap. 4300 No. 1566 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 3:34 A M

Tool Open I.F.P. From 3:40 M to 3:58 M Hr. 18 Min. From (B) 48 P.S.I. To (C) 48 P.S.I.
Tool Closed I.C.I.P. From 3:58 M. to 4:28 M. Hr. 30 Min. (D) 62 P.S.I.
Tool Open F.F.P. From 4:28 M. to 4:43 M. Hr. 15 Min. From (E) 55 P.S.I. To (F) 60 P.S.I.
Tool Closed F.C.I.P. From 4:43 M. to 5:13 M. Hr. 30 Min. (G) 62 P.S.I.
Initial Hydrostatic Pressure (A) 2658 P.S.I. Final Hydrostatic Pressure (H) 2600 P.S.I.

SURFACE Size Choke 3 1/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION

BLOW Weak Bottom Choke Size 3/4 1/2 In.

Did Well Flow Yes ☒ No Recovery Total Ft. 5' mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 50 Weight 10.1 Maximum Temp. 117 °F

EXTRA EQUIPMENT: Dual Packers no Safety Joint no Jars: Size 4 1/2 OD Make Bowen Ser. No. 2955

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

Length Drill Pipe 4164 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 180 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 41 ft.

Remarks Open tool for I. F. No blow. Flushed in 10 minutes. No blow.

Open tool for F. F. No blow. Flushed in 5 minutes. No blow.

WESTERN TESTING CO., INC.

Pressure Data

Date April 28, 1967 Test Ticket No. 7874
 Recorder No. 2603 Capacity 4 400 Location 4783 Ft.
 Clock No. 6894 Elevation 1579 Derrick Floor Well Temperature 117 °F

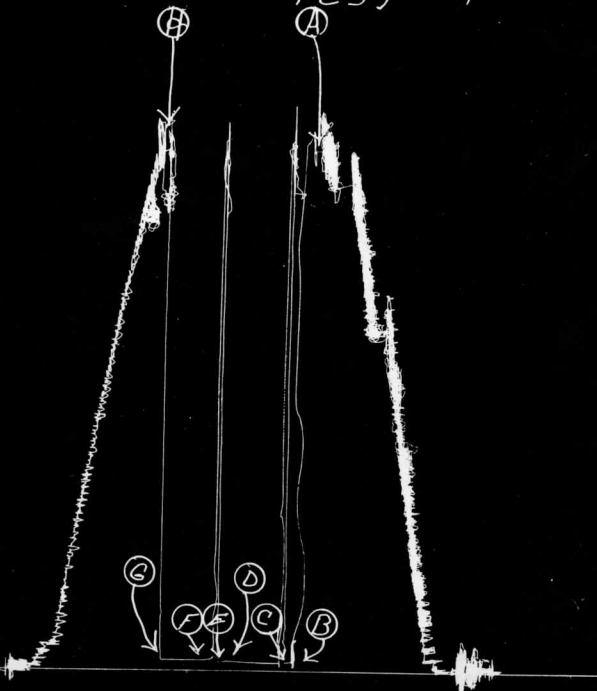
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2658 P.S.I.	Opened Tool	3:34 A	
B First Initial Flow Pressure	48 P.S.I.	First Flow Pressure	18 Mins.	17 Mins.
C First Final Flow Pressure	48 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	62 P.S.I.	Second Flow Pressure	15 Mins.	15 Mins.
E Second Initial Flow Pressure	55 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	60 P.S.I.			
G Final Closed-in Pressure	62 P.S.I.			
H Final Hydrostatic Mud	2600 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>3</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>2</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>48</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>48</u>	<u>3</u>	<u>55</u>	<u>5</u>	<u>55</u>	<u>3</u>	<u>60</u>
P 3 <u>10</u>	<u>48</u>	<u>6</u>	<u>56</u>	<u>10</u>	<u>60</u>	<u>6</u>	<u>60</u>
P 4 <u>15</u>	<u>48</u>	<u>9</u>	<u>57</u>	<u>15</u>	<u>60</u>	<u>9</u>	<u>60</u>
P 5 <u>17</u>	<u>48</u>	<u>12</u>	<u>58</u>			<u>12</u>	<u>60</u>
P 6		<u>15</u>	<u>59</u>			<u>15</u>	<u>60</u>
P 7		<u>18</u>	<u>60</u>			<u>18</u>	<u>61</u>
P 8		<u>21</u>	<u>60</u>			<u>21</u>	<u>61</u>
P 9		<u>24</u>	<u>61</u>			<u>24</u>	<u>62</u>
P10		<u>27</u>	<u>62</u>			<u>27</u>	<u>62</u>
P11		<u>30</u>	<u>62</u>			<u>30</u>	<u>62</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

K & E Drlg Co.
Baier #1

TKT-9874
Test #1



Home Office: Great Bend, Kansas

P. O. Box 793

SWift 3-7903

K. & E. Drilling Company

Baier #1

Company <u>R. & L. Drilling Company</u>		Lease & Well No. _____		Date <u>4/29/67</u>	
Elevation <u>1579</u>	<u>Derrick Floor</u>	Formation <u>Ch. Sand</u>	Ticket Number _____		<u>7875</u>
Date <u>April 29, 1967</u>	Sec. <u>36</u>	Twp. <u>34</u>	Range <u>14</u>	County <u>Barber</u>	State <u>Kansas</u>
Test Approved by <u>Jack H. Brown</u>			Western Representative <u>Leon Elmore</u>		

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4790' to 4825' Total Depth 4825'

Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No _____

Packer Depth 4785 Ft. Size 6 3/4 Packer Depth 4790 Ft. Size 6 3/4

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

Tool Size 5½ OD Packer Depth _____ Ft. Size _____
Tool Jt. Size 4½ FH Anchor Length 35 Ft. Size 5½ OD

[illegible]

Tool Open I.F.P. From	12:00 M	to	12:10 M	Hr.	10	Min.	From (B)	69	P.S.I.	To (C)	69	P.S.I.		
Tool Closed I.C.I.P. From	12:10 M	to	12:55 M	Hr.	45	Min.	(D)				138	P.S.I.		
Tool Open F.F.P. From	12:55 M	to	2:55 M	2	Hr.		Min.	From (E)	71	P.S.I.	To (F)	71	P.S.I.	
Tool Closed F.C.I.P. From	2:55 M	to	3:40 M	Hr.	45	Min.	(G)				1004	P.S.I.		
Initial Hydrostatic Pressure (A)					2647	P.S.I.				Final Hydrostatic Pressure (H)			2618	P.S.I.

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

BLOW Good throughout. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. _____ 60' mud _____

Reversed Out Yes ☒ No Mud Type starch Viscosity 50 Weight 10.1 Maximum Temp. 122 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size 4½ OD Bowen 2955
Make Ser. No.

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

Length Drill Pipe 4199 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft. 240

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 62 ft.

Remarks

WESTERN TESTING CO., INC. **Pressure Data**

Date April 29, 1967 Test Ticket No. 7875
 Recorder No. 2603 Capacity 4400 Location 4818 Ft.
 Clock No. 6894 Elevation 1579 Derrick Floor Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2647</u> P.S.I.	Opened Tool	<u>11:55</u> P M	
B First Initial Flow Pressure	<u>69</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>69</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>138</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>119</u> Mins.
E Second Initial Flow Pressure	<u>71</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>71</u> P.S.I.			
G Final Closed-in Pressure	<u>1004</u> P.S.I.			
H Final Hydrostatic Mud	<u>2618</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>15</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>15</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>69</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>71</u>
P 2 <u>5</u>	<u>69</u>	<u>3</u>	<u>89</u>	<u>5</u>	<u>71</u>	<u>3</u>	<u>182</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>109</u>	<u>10</u>	<u>71</u>	<u>6</u>	<u>276</u>
P 4		<u>9</u>	<u>129</u>	<u>15</u>	<u>71</u>	<u>9</u>	<u>354</u>
P 5		<u>12</u>	<u>149</u>	<u>20</u>	<u>71</u>	<u>12</u>	<u>417</u>
P 6		<u>15</u>	<u>167</u>	<u>25</u>	<u>71</u>	<u>15</u>	<u>484</u>
P 7		<u>18</u>	<u>182</u>	<u>30</u>	<u>71</u>	<u>18</u>	<u>544</u>
P 8		<u>21</u>	<u>182</u>	<u>35</u>	<u>71</u>	<u>21</u>	<u>612</u>
P 9		<u>24</u>	<u>171</u>	<u>40</u>	<u>71</u>	<u>24</u>	<u>672</u>
P10		<u>27</u>	<u>160</u>	<u>45</u>	<u>71</u>	<u>27</u>	<u>723</u>
P11		<u>30</u>	<u>151</u>	<u>50</u>	<u>71</u>	<u>30</u>	<u>778</u>
P12		<u>33</u>	<u>148</u>	<u>55</u>	<u>71</u>	<u>33</u>	<u>829</u>
P13		<u>36</u>	<u>144</u>	<u>60</u>	<u>71</u>	<u>36</u>	<u>873</u>
P14		<u>39</u>	<u>140</u>	<u>65</u>	<u>71</u>	<u>39</u>	<u>920</u>
P15		<u>42</u>	<u>138</u>	<u>70</u>	<u>71</u>	<u>42</u>	<u>964</u>
P16				<u>75</u>	<u>71</u>	<u>45</u>	<u>1004</u>
P17				<u>80</u>	<u>71</u>		
P18				<u>85</u>	<u>71</u>		
P19				<u>90</u>	<u>71</u>		
P20				<u>95</u>	<u>71</u>		
				<u>100</u>	<u>71</u>		
				<u>105</u>	<u>71</u>		
				<u>110</u>	<u>71</u>		
				<u>115</u>	<u>71</u>		
				<u>119</u>	<u>71</u>		

K & E Drlg Co.
Baier #1

TKT-7875
Test #2

