

15-009-01545



22-165-11w

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

Company Kenneth Rupp Oil Producer Lease & Well No. Esfeld #1
Elevation 1917 Kelly Bushings Ticket Number 3724
Date June 28, 1964 Sec. 22 Twp. 16 Range 11 County Barbon State Kansas
Test Approved by Charles I. Slagle Western Representative Ernest Luckert

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 3240' to 3261' Total Depth 3261'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes _____ No _____ Conv. _____ B.T. Damaged _____ Yes _____ No _____
Packer Depth 3240 Ft. Size 6 3/4 Packer Depth 3235 Ft. Size 6 3/4
Straddle _____ Yes _____ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Packer Depth _____ Ft. Size _____
Tool Size 4 3/4 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 21 Ft. Size 4 1/2 O. D.

RECORDERS Depth 3245 Ft. Clock No. 6774 Depth 3248 Ft. Clock No. 141
Top Make Amerada Cap. 3200 No. 1563 Inside _____ Outside _____ Bottom Make Western Cap. 4000 No. 41 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____ Depth _____ Ft. Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Outside _____

Time Set Packer 4:21 M
Tool Open I.F.P. From 4:25 M to 4:35 M Hr. 10 Min. From (B) _____ P.S.I. To (C) _____ P.S.I.
Tool Closed I.C.I.P. From 4:35 M. to 5:05 M. Hr. 30 Min. (D) _____ P.S.I. 1066
Tool Open F.F.P. From 5:05 M. to 5:35 M. Hr. 30 Min. From (E) _____ P.S.I. To (F) _____ P.S.I. 29
Tool Closed F.C.I.P. From 5:35 M. to 6:05 M. Hr. 30 Min. (G) _____ P.S.I. 947
Initial Hydrostatic Pressure (A) 1789 P.S.I. Final Hydrostatic Pressure (H) 1752 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW _____ Bottom Choke Size 3/4 in.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 10' thin mud

Reversed Out _____ Yes _____ No _____ Mud Type starch Viscosity 38 Weight 9.9 Maximum Temp. 108 °F
EXTRA EQUIPMENT: Dual Packers _____ Safety Joint no Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe 2290 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.6 in. Length Drill Collars 30 ft.
I. D. Drill Collars 2.500 in. Length D. S. T. Tool 41 ft.
Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date June 28, 1964 Test Ticket No. 3724
 Recorder No. 1563 Capacity 3200 Location 3245 Ft.
 Clock No. 6774 Elevation 1917 Kelly Bushings Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1789</u> P.S.I.	Opened Tool	<u>4:25</u> M	<u>4:25</u>
B First Initial Flow Pressure	<u>21</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>9</u> Mins.
C First Final Flow Pressure	<u>21</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>1066</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>29</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
F Second Final Flow Pressure	<u>29</u> P.S.I.			
G Final Closed-in Pressure	<u>947</u> P.S.I.			
H Final Hydrostatic Mud	<u>1752</u> P.S.I.			

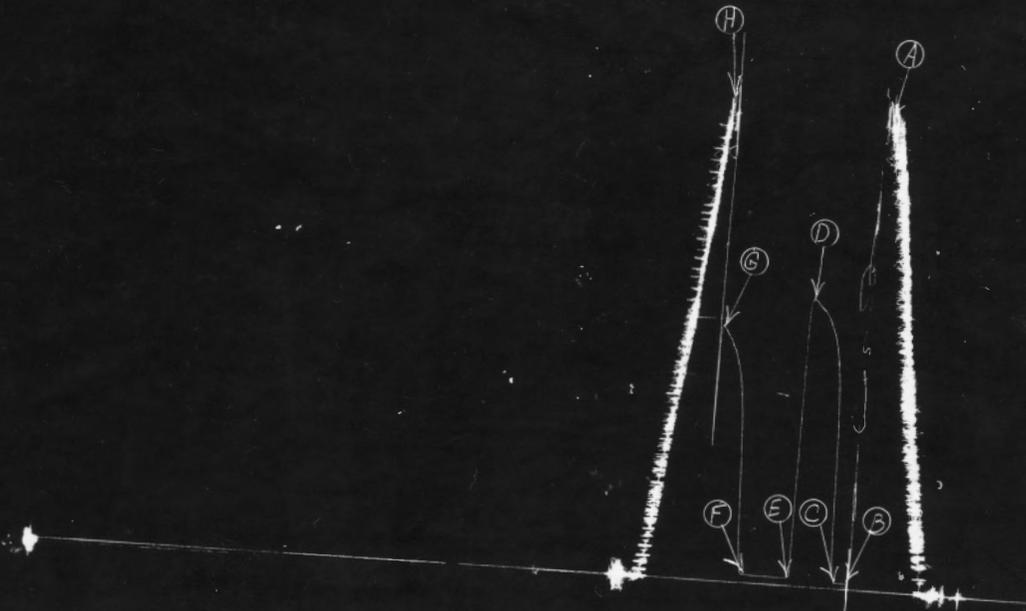
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>9</u> Inc.	Breakdown: <u>6</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>4</u> Min.	final inc. of <u>2</u> Min.	final inc. of <u>1</u> Min.	final inc. of <u>1</u> Min.

Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1	<u>21</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>29</u>
P 2	<u>21</u>	<u>3</u>	<u>139</u>	<u>5</u>	<u>29</u>	<u>3</u>	<u>145</u>
P 3	<u>21</u>	<u>6</u>	<u>471</u>	<u>10</u>	<u>29</u>	<u>6</u>	<u>362</u>
P 4		<u>9</u>	<u>827</u>	<u>15</u>	<u>29</u>	<u>9</u>	<u>649</u>
P 5		<u>12</u>	<u>923</u>	<u>20</u>	<u>29</u>	<u>12</u>	<u>777</u>
P 6		<u>15</u>	<u>981</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>844</u>
P 7		<u>18</u>	<u>1011</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>882</u>
P 8		<u>21</u>	<u>1031</u>			<u>21</u>	<u>913</u>
P 9		<u>24</u>	<u>1050</u>			<u>24</u>	<u>938</u>
P 10		<u>27</u>	<u>1062</u>			<u>27</u>	<u>944</u>
P 11		<u>29</u>	<u>1066</u>			<u>28</u>	<u>947</u>
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Kenneth Rupp
EsFELD #1

TEST # 1
T.K.T. # 3724



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1739 PSI
(B) First Initial Flow Pressure	21 PSI
(C) First Final Flow Pressure	21 PSI
(D) Initial Closed-in Pressure	1066 PSI
(E) Second Initial Flow Pressure	29 PSI
(F) Second Final Flow Pressure	29 PSI
(G) Final Closed-in Pressure	947 PSI
(H) Final Hydrostatic Mud	1752 PSI



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

Company Kenneth Rupp Lease & Well No. Esfeld #1
 Elevation 1917 Kelly Bushings Ticket Number 3991
 Date June 30, 1964 Sec. 22 Twp. 16 Range 11 County Barton State Kansas
 Test Approved by Charles I. Slagle Western Representative Bill Hager

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 3386' to 3391 Total Depth 3391'
 Size Main Hole 7 7/8 Rat Hole None Conv. B.T. _____ Damaged _____ Yes No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
 Packer Depth 3386 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 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length _____ Ft. Size _____

RECORDERS Depth 3380 Ft. Clock No. 4964 Depth 3388 Ft. Clock No. _____
 Top Make Amerada Cap. 3150 No. 1562 Inside _____ Outside _____
 Bottom Make Western Cap. 4000 No. 58 Inside _____ Outside _____
 Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
 Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
 Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 11:13 P _____ M
 Tool Open I.F.P. From 11:16 M to 11:31 M Hr. 15 Min. From (B) 14 P.S.I. To (C) 14 P.S.I.
 Tool Closed I.C.I.P. From 11:32 M to 12:02 M Hr. 30 Min. (D) 51 P.S.I.
 Tool Open F.F.P. From 12:03 M to 12:33 M Hr. 30 Min. From (E) 18 P.S.I. To (F) 18 P.S.I.
 Tool Closed F.C.I.P. From 12:34 M to 1:04 M Hr. 30 Min. (G) 72 P.S.I.
 Initial Hydrostatic Pressure (A) 1804 P.S.I. Final Hydrostatic Pressure (H) 1791 P.S.I.

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

BLOW Weak blow for 15 minutes Bottom Choke Size 3/4 in.
 Did Well Flow _____ Yes No _____ Recovery Total Ft. 51 drilling mud

Reversed Out _____ Yes No _____ Mud Type starch Viscosity 38 Weight 9.9 Maximum Temp. _____ °F

EXTRA EQUIPMENT: Dual Packers no Safety Joint _____ Jars: Size _____ Make _____ Ser. No. _____
 Type Circ. Sub 4 1/2 F. H. Plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
 Length Drill Pipe 2911 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 450 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 30 ft.
 I. D. Drill Collars 2 1/4 in. Length D. S. T. Tool _____ ft.

Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date June 30, 1964 Test Ticket No. 3991
 Recorder No. 1562 Capacity 3150 Location 3380 Ft.
 Clock No. 4964 Elevation 1917 Kelly Bushings Well Temperature = °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1804</u> P.S.I.	Opened Tool	<u>11:16</u> M	<u>11:16</u>
B First Initial Flow Pressure	<u>14</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>14</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>51</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>18</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>18</u> P.S.I.			
G Final Closed-in Pressure	<u>72</u> P.S.I.			
H Final Hydrostatic Mud	<u>1791</u> P.S.I.			

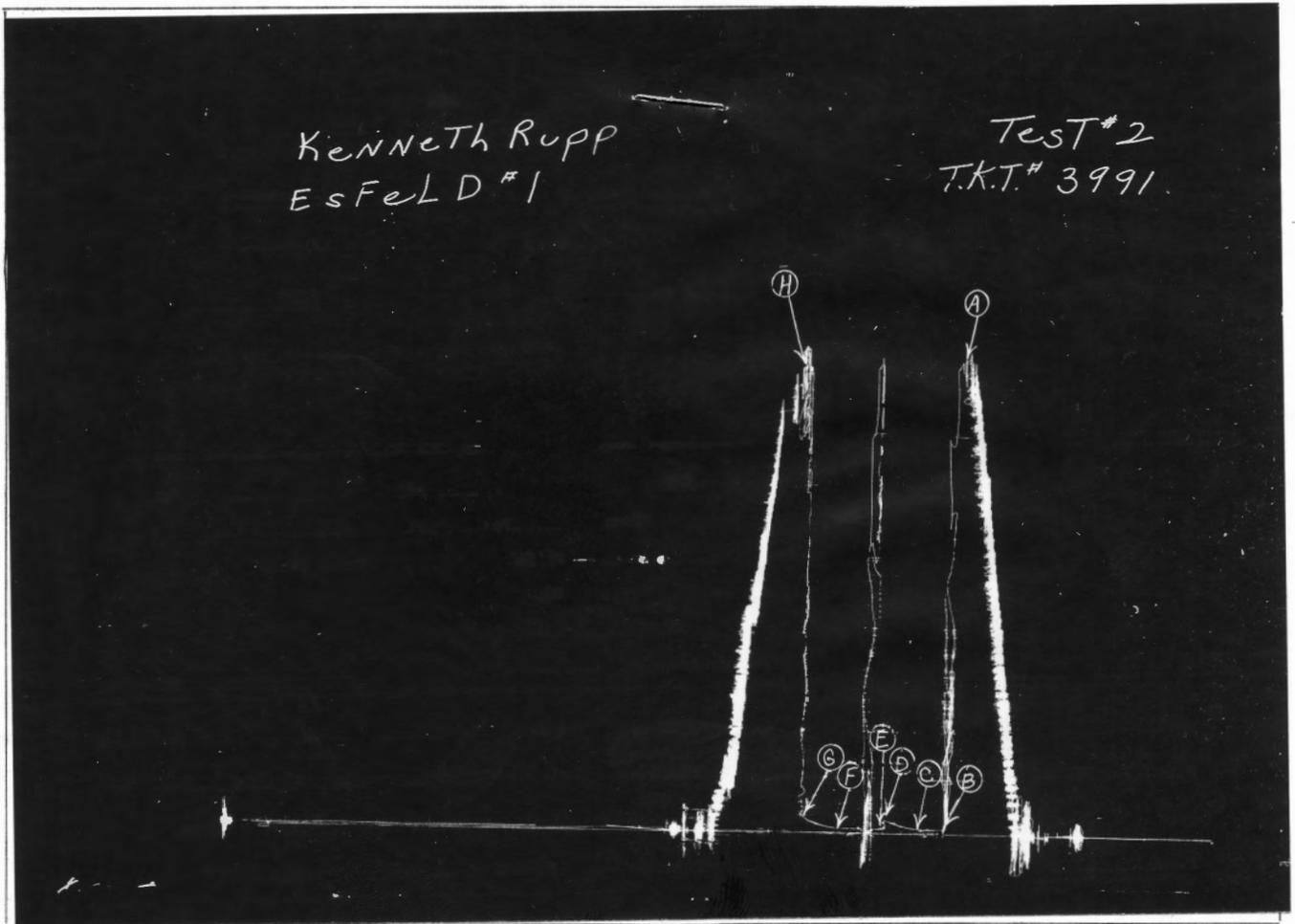
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>3</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>6</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.
---	--	--	--

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>18</u>
P 2	<u>5</u>	<u>3</u>	<u>14</u>	<u>5</u>	<u>18</u>	<u>3</u>	<u>18</u>
P 3	<u>10</u>	<u>6</u>	<u>18</u>	<u>10</u>	<u>18</u>	<u>6</u>	<u>20</u>
P 4	<u>15</u>	<u>9</u>	<u>21</u>	<u>15</u>	<u>18</u>	<u>9</u>	<u>23</u>
P 5		<u>12</u>	<u>23</u>	<u>20</u>	<u>18</u>	<u>12</u>	<u>26</u>
P 6		<u>15</u>	<u>26</u>	<u>25</u>	<u>18</u>	<u>15</u>	<u>29</u>
P 7		<u>18</u>	<u>29</u>	<u>30</u>	<u>18</u>	<u>18</u>	<u>37</u>
P 8		<u>21</u>	<u>34</u>			<u>21</u>	<u>43</u>
P 9		<u>24</u>	<u>41</u>			<u>24</u>	<u>51</u>
P 10		<u>27</u>	<u>48</u>			<u>27</u>	<u>60</u>
P 11		<u>30</u>	<u>51</u>			<u>30</u>	<u>72</u>
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Kenneth Rupp
EsFeLD #1

Test #2
T.K.T.# 3991



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1804 PSI
(B) First Initial Flow Pressure	14 PSI
(C) First Final Flow Pressure	14 PSI
(D) Initial Closed-in Pressure	51 PSI
(E) Second Initial Flow Pressure	18 PSI
(F) Second Final Flow Pressure	18 PSI
(G) Final Closed-in Pressure	72 PSI
(H) Final Hydrostatic Mud	1791 PSI



Home Office: Great Bend, Kansas

P. O. Box 793 Gladstone 3-7903

Company Kenneth Rupp Oil Producer Lease & Well No. Esfeld #1
 Elevation 1917 Kelly Bushings Ticket Number 3992
 Date June 30, 1964 22 Sec. 16 Twp. 11 Range 11 County Barton State Kansas
 Test Approved by Charles I. Blagle Western Representative Bill Hager

Formation Test No. 3 O.K. Misrun Interval Tested From 3388' to 3400' Total Depth 3400'
 Size Main Hole 7 7/8 Rat Hole NONE Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Packer Depth 3388 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 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 12 Ft. Size 5 1/2 O. D.

RECORDERS Depth 3393 Ft. Clock No. 4964 Depth 3396 Ft. Clock No.
 Top Make Merada Cap. 3150 No. 1562 Inside Bottom Make Western Cap. 4000 No. 58 Inside
 Below Straddle: Depth Clock No. Outside Depth Ft. Clock No. Outside
 Top Make Cap. No. Outside Bottom Make Cap. No. Outside

Time Set Packer 9:50 A M
 Tool Open I.F.P. From 9:55 M to 10:00 M Hr. 5 Min. From (B) 49 P.S.I. To (C) 49 P.S.I.
 Tool Closed I.C.I.P. From 10:01 M. to 10:31 M. Hr. 30 Min. (D) 1146 P.S.I.
 Tool Open F.F.P. From 10:32 M. to 11:02 M. Hr. 30 Min. From (E) 52 P.S.I. To (F) 53 P.S.I.
 Tool Closed F.C.I.P. From 11:03 M. to 11:33 M. Hr. 30 Min. (G) 150 P.S.I.
 Initial Hydrostatic Pressure (A) 1804 P.S.I. Final Hydrostatic Pressure (H) 1796 P.S.I.

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

BLOW Weak blow for 8 minutes - flushed tool Bottom Choke Size 3/4 In.
 Did Well Flow Yes No Recovery Total Ft. 35' drilling mud

Reversed Out Yes No Mud Type starch Viscosity 38 Weight 9.9 Maximum Temp. 108 °F
 EXTRA EQUIPMENT: Dual Packers NO Safety Joint Jars: Size Make Ser. No.
 Type Circ. Sub. 4 1/2 F. H. plug Did Tool Plug? NO Where? Did Packer Hold? yes
 Length Drill Pipe 2894 ft. I.D. Drill Pipe 5.8 in. Length Weight Pipe 450 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 30 ft.
 I. D. Drill Collars 2 1/2 in. Length D. S. T. Tool 26 ft.

Remarks Slid tool 3' to bottom.

WESTERN TESTING CO., INC.

Pressure Data

Date June 30, 1964

Test Ticket No. 3992

Recorder No. 1562 Capacity 3150 Location 3393 Ft.

Clock No. 4964 Elevation 1917 Kelly Bushings Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1804</u> P.S.I.	Opened Tool	<u>9:55</u>	<u>9:55</u>
B First Initial Flow Pressure	<u>49</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>49</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1146</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>53</u> P.S.I.			
G Final Closed-in Pressure	<u>1050</u> P.S.I.			
H Final Hydrostatic Mud	<u>1796</u> P.S.I.			

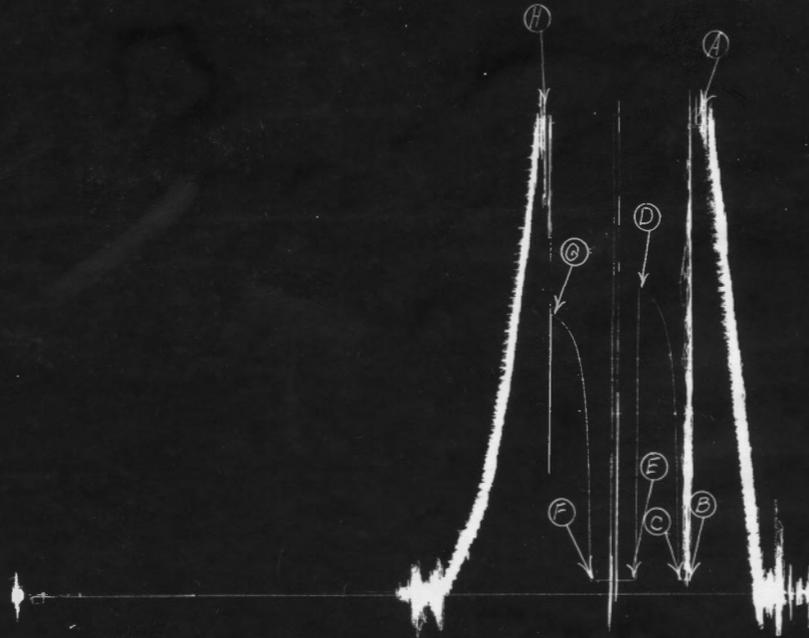
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>≡</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>≡</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>≡</u> Min.	Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a 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>19</u>	<u>0</u>		<u>0</u>	<u>51</u>	<u>0</u>	<u>53</u>
P 2 <u>5</u>	<u>49</u>	<u>3</u>	<u>307</u>	<u>5</u>	<u>51</u>	<u>3</u>	<u>616</u>
P 3		<u>6</u>	<u>784</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>772</u>
P 4		<u>9</u>	<u>936</u>	<u>15</u>	<u>flushed tool</u>	<u>9</u>	<u>883</u>
P 5		<u>12</u>	<u>1006</u>	<u>20</u>	<u>53</u>	<u>12</u>	<u>948</u>
P 6		<u>15</u>	<u>1058</u>	<u>25</u>	<u>53</u>	<u>15</u>	<u>981</u>
P 7		<u>18</u>	<u>1183</u>	<u>30</u>	<u>53</u>	<u>18</u>	<u>1033</u>
P 8		<u>21</u>	<u>1106</u>			<u>21</u>	<u>1018</u>
P 9		<u>24</u>	<u>1124</u>			<u>24</u>	<u>1036</u>
P 10		<u>27</u>	<u>1136</u>			<u>27</u>	<u>1043</u>
P 11		<u>30</u>	<u>1146</u>			<u>29</u>	<u>1050</u>
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Kenneth Rugg
EsFELD #1

Test # 3
TKT - 3992



This is an actual photograph of recorder chart.

POINT	PRESSURE	PSI
(A) Initial Hydrostatic Mud	1804	PSI
(B) First Initial Flow Pressure	49	PSI
(C) First Final Flow Pressure	49	PSI
(D) Initial Closed-in Pressure	1146	PSI
(E) Second Initial Flow Pressure	51	PSI
(F) Second Final Flow Pressure	53	PSI
(G) Final Closed-in Pressure	1050	PSI
(H) Final Hydrostatic Mud	1796	PSI



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

Company Kenneth Rupp Oil Producer Lease & Well No. Esfeld #1
 Elevation 1917 Kelly Bushings Ticket Number 3993
 Date July 1, 1964 Sec. 22 Twp. 16 Range 11 County Barton State Kansas
 Test Approved by Charles I. Slagle Western Representative Bill Hager

Formation Test No. 4 O.K. Misrun _____ Interval Tested From 3388 to 3415 Total Depth 3415'
 Size Main Hole 7 7/8 Rat Hole None Conv. B.T. _____ Damaged _____ Yes No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
 Packer Depth 3388 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 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 27 Ft. Size 5 1/2 O. D.

RECORDERS Depth 3392' Ft. Clock No. 4964 Depth 3395 Ft. Clock No. 139
 Top Make Amerada Cap. 3150 No. 1562 Inside Bottom Make Western Cap. 4000 No. 58 Inside
 Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
 Top Make _____ Cap. _____ No. _____ Outside Bottom Make _____ Cap. _____ No. _____ Outside

Time Set Packer 9:10 P M
 Tool Open I.F.P. From 9:15 M to 9:20 M Hr. 5 Min. From (B) 41 P.S.I. To (C) 54 P.S.I.
 Tool Closed I.C.I.P. From 9:21 M. to 9:51 M. Hr. 30 Min. (D) 1091 P.S.I.
 Tool Open F.F.P. From 9:52 M. to 10:52 M. 1 Hr. Min. From (E) 78 P.S.I. To (F) 255 P.S.I.
 Tool Closed F.C.I.P. From 10:53 M. to 11:23 M. Hr. 30 Min. (G) 1086 P.S.I.
 Initial Hydrostatic Pressure (A) 1796 P.S.I. Final Hydrostatic Pressure (H) 1768 P.S.I.

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

BLOW Weak blow increasing to good in 30 minutes - Remaining steady Bottom Choke Size 3/4 in.
 Did Well Flow _____ Yes No _____ Recovery Total Ft. 520' fluid - 280' muddy water - 240' sulphur water

Reversed Out _____ Yes No _____ Mud Type starch Viscosity 38 Weight 9.9 Maximum Temp. 110 °F

EXTRA EQUIPMENT: Dual Packers no Safety Joint _____ Jars: Size _____ Make _____ Ser. No. _____
 Type Circ. Sub. 4 1/2 F. H. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
 Length Drill Pipe 289 1/4 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 450 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 30 ft.
 I. D. Drill Collars 2 1/4 in. Length D. S. T. Tool 41 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date July 1, 1964 Test Ticket No. 3993
 Recorder No. 1562 Capacity 3150 Location 3392 Ft.
 Clock No. 4964 Elevation 1917 Kelly Bushings Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1796</u> P.S.I.	Opened Tool	<u>9:15</u> M	<u>9:15</u>
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>6</u> Mins.
C First Final Flow Pressure	<u>54</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>1091</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>78</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>255</u> P.S.I.			
G Final Closed-in Pressure	<u>1086</u> P.S.I.			
H Final Hydrostatic Mud	<u>1768</u> P.S.I.			

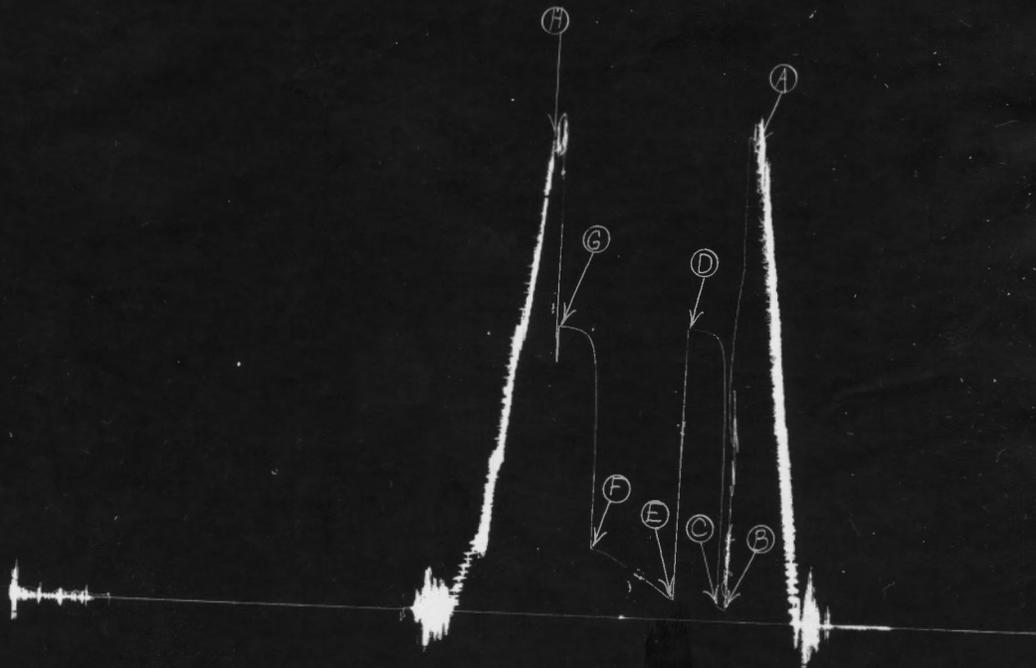
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>1</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>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>—</u> Min.
--	--	--	---

Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1 <u>0</u>	<u>41</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>78</u>	<u>0</u>	<u>255</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>915</u>	<u>5</u>	<u>86</u>	<u>3</u>	<u>911</u>
P 3 <u>6</u>	<u>54</u>	<u>6</u>	<u>1037</u>	<u>10</u>	<u>106</u>	<u>6</u>	<u>1018</u>
P 4		<u>9</u>	<u>1067</u>	<u>15</u>	<u>128</u>	<u>9</u>	<u>1051</u>
P 5		<u>12</u>	<u>1076</u>	<u>20</u>	<u>146</u>	<u>12</u>	<u>1065</u>
P 6		<u>15</u>	<u>1083</u>	<u>25</u>	<u>165</u>	<u>15</u>	<u>1072</u>
P 7		<u>18</u>	<u>1086</u>	<u>30</u>	<u>177</u>	<u>18</u>	<u>1078</u>
P 8		<u>21</u>	<u>1087</u>	<u>35</u>	<u>196</u>	<u>21</u>	<u>1081</u>
P 9		<u>24</u>	<u>1089</u>	<u>40</u>	<u>210</u>	<u>24</u>	<u>1083</u>
P 10		<u>27</u>	<u>1091</u>	<u>45</u>	<u>229</u>	<u>27</u>	<u>1084</u>
P 11		<u>29</u>	<u>1091</u>	<u>50</u>	<u>244</u>	<u>30</u>	<u>1086</u>
P 12				<u>55</u>	<u>249</u>		
P 13				<u>58</u>	<u>255</u>		
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Kenneth Rupp
EsFeld #1

Test # 4
T.K.T. # 3993



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	1796	PSI
(B) First Initial Flow Pressure	41	PSI
(C) First Final Flow Pressure	54	PSI
(D) Initial Closed-in Pressure	1091	PSI
(E) Second Initial Flow Pressure	78	PSI
(F) Second Final Flow Pressure	255	PSI
(G) Final Closed-in Pressure	1086	PSI
(H) Final Hydrostatic Mud	1768	PSI