

Home Office: Great Bend, Kansas

Elev. 2473' D.P.

P. O. Box 793

GLadstone 3-7903

Company Walters Drilling Company Lease & Well No. Tilley #3 Tkt. #2546

Date 11-30-62 Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_ County Ness State Kansas

Test Approved by Alfred James III Western Representative George Tew

Formation Test No. 1 O.K.  Misrun  Interval Tested From 4330' to 4370' Total Depth 4370'  
Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Packer Depth 4330 Ft. Size 6 3/4" Packer Depth 4325 Ft. Size 6 3/4"  
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 40 Ft. Size 5 1/2" O.D.

RECORDERS Depth 4333 Ft. Clock No. 6866 Depth 4338 Ft. Clock No. 101  
Top Make Amerada Cap. 3150# No. 1562 Inside Outside Bottom Make Western Cap. 4000# No. 30 Inside Outside  
Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside \_\_\_\_\_ Depth \_\_\_\_\_ Ft. Clock No. \_\_\_\_\_ Inside \_\_\_\_\_  
Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside \_\_\_\_\_ Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer 7:40 A M  
Tool Open I.F.P. From 7:42 A M. to 7:47A M. - Hr. 5 Min. From (B) 10 P.S.I. To (C) 10 P.S.  
Tool Closed I.C.I.P. From 7:47A M. to 8:17A M. - Hr. 30 Min. (D) 126 P.S.  
Tool Open F.F.P. From 8:17A M. to 8:47A M. - Hr. 30 Min From (E) 21 P.S.I. To (F) 28 P.S.  
Tool Closed F.C.I.P. From 8:47A M. to 9:17A M. - Hr. 30 Min. (G) 92 P.S.  
Initial Hydrostatic Pressure (A) 2352 P.S.I. Final Hydrostatic Pressure (H) 2339 P.S.I.

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

BLOW Very weak throughout test Bottom Choke Size 3/4 in  
Did Well Flow \_\_\_\_\_ Yes  No \_\_\_\_\_ Recovery Total Ft. 20 Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water \_\_\_\_\_  
20' Mud \_\_\_\_\_ Mud \_\_\_\_\_

Reversed Out \_\_\_\_\_ Yes  No \_\_\_\_\_ Mud Type Salt Viscosity 40 Weight 10.4 Maximum Temp. 118 °  
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make \_\_\_\_\_ Ser. No. \_\_\_\_\_  
Type Circ. Sub. 4 1/2" F.H. Did Tool Plug? No Where? \_\_\_\_\_ Did Packer Hold? Yes

Remarks 60' Test Tool  
3566' 4 1/2" FH D.P. - 3.7" I.D.  
744' W.P. - 2.7" I.D. Flushed tool after 20 mins. flow

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

Date 11-30-62 Test Ticket No. 2546  
 Recorder No. 1562 Capacity 31500 Location 4333 Ft.  
 Clock No. 6866 Elevation 2473' D.F. Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<del>2339</del>	P.S.I.	<u>7:42 A</u>	<u>M 7:42 AM</u>
B First Initial Flow Pressure	<u>10</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>10</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>126</u>	P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
E Second Initial Flow Pressure	<u>21</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<del>21</del>	P.S.I.		
G Final Closed-in Pressure	<u>92</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2339</u>	P.S.I.		

**PRESSURE BREAKDOWN**

<b>First Flow Press.</b>	<b>Initial Shut-In</b>	<b>Second Flow Pressure</b>	<b>Final Shut-In</b>
Breakdown: <u>1</u> Inc.	Breakdown: <u>9</u> Inc.	Breakdown: <u>7</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.

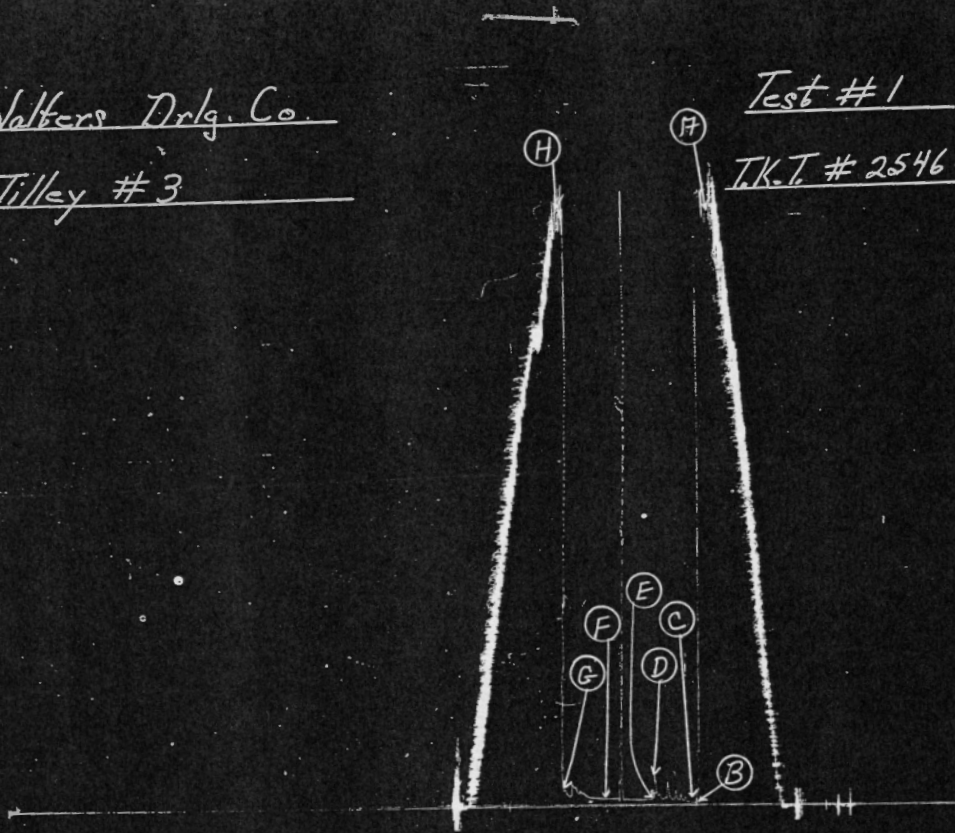
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1	<u>0</u>	<u>10</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>21</u>	<u>28</u>
2	<u>5</u>	<u>10</u>	<u>3</u>	<u>29</u>	<u>5</u>	<u>21</u>	<u>29</u>
3			<u>6</u>	<u>37</u>	<u>10</u>	<u>21</u>	<u>31</u>
4			<u>9</u>	<u>54</u>	<u>15</u>	<u>21</u>	<u>32</u>
5			<u>12</u>	<u>67</u>	<u>20</u>	<u>21</u>	<u>36</u>
6			<u>15</u>	<u>92</u>	<u>25</u>	<u>28</u>	<u>47</u>
7			<u>18</u>	<u>102</u>	<u>30</u>	<u>28</u>	<u>56</u>
8			<u>21</u>	<u>106</u>	<u>35</u>	<u>28</u>	<u>73</u>
9			<u>24</u>	<u>114</u>			<u>89</u>
10			<u>27</u>	<u>126</u>			<u>48</u>
11						<u>30</u>	<u>92</u>
12							
13							
14							
15							
16							
17							
18							
19							
20							

Walters Drlg. Co.

Tilley # 3

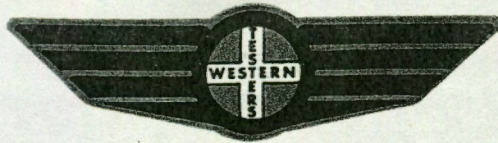
Test # 1

T.K.T. # 2546



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	2352	PSI
(B) First Initial Flow Pressure .....	10	PSI
(C) First Final Flow Pressure .....	10	PSI
(D) Initial Closed-in Pressure .....	126	PSI
(E) Second Initial Flow Pressure .....	21	PSI
(F) Second Final Flow Pressure .....	28	PSI
(G) Final Closed-in Pressure .....	92	PSI
(H) Final Hydrostatic Mud .....	2339	PSI



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

Elev. 2473' D.P.

Company Walters Drilling Company Lease & Well No. Hilley #3 Ext. #2547

Date 12-1-62 Sec. 8 Twp. 17 Range 24 County Ness State Kansas

Test Approved by Alfred James III Western Representative George Tew

Formation Test No. 2 O.K.  Misrun  Interval Tested From 4390' to 4446' Total Depth 4446'  
 Size Main Hole 7 7/8" Rat Hole None Conv.  B.T.  Damaged  Yes  No  Conv.  B.T.  Damaged  Yes  No   
 Packer Depth 4390 Ft. Size 6 3/4" Packer Depth 4385 Ft. Size 6 3/4"  
 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" P.H. Anchor Length 56 Ft. Size 5 1/2" O.D.

RECORDERS	Depth <u>4428</u> Ft.	Clock No. <u>6266</u>	Depth <u>4430</u> Ft.	Clock No. <u>30</u>
	Top Make <u>Amerada</u> Cap. <u>3150#</u> No. <u>1562</u>	Inside Outside	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>57</u>	Inside Outside
Below Straddle: Depth _____	Clock No. _____	Inside Outside	Depth _____	Ft. Clock No. _____
Top Make _____	Cap. _____	No. _____	Bottom Make _____	Cap. _____

Time Set Packer 4:01 A M  
 Tool Open I.F.P. From 4:03 A M. to 4:08 A M. - Hr. 5 Min. From (B) 39 P.S.I. To (C) 43 P.S.I.  
 Tool Closed I.C.I.P. From 4:08 A M. to 4:38 A M. - Hr. 30 Min. (D) 228 P.S.I.  
 Tool Open F.F.P. From 4:38 A M. to 5:08 A M. - Hr. 30 Min From (E) 47 P.S.I. To (F) 53 P.S.I.  
 Tool Closed F.C.I.P. From 5:08 A M. to 5:38 A M. - Hr. 30 Min. (G) 226 P.S.I.  
 Initial Hydrostatic Pressure (A) 2109 P.S.I. Final Hydrostatic Pressure (H) 2399 P.S.I.

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

BLOW Weak to dead in 2 mins. - Flushed tool - few bubbles Bottom Choke Size 3/4 in.  
 Did Well Flow  Yes  No Recovery Total Ft. 15 Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water \_\_\_\_\_

Reversed Out  Yes  No Mud Type Salt Viscosity 38 Weight 10.2 Maximum Temp. 118 °F

EXTRA EQUIPMENT: Dual Packers  Safety Joint  Jars: Size No Make \_\_\_\_\_ Ser. No. \_\_\_\_\_  
 Type Circ. Sub. 4 1/2" P.H. Did Tool Plug?  No Where? \_\_\_\_\_ Did Packer Hold?  Yes

Remarks \_\_\_\_\_

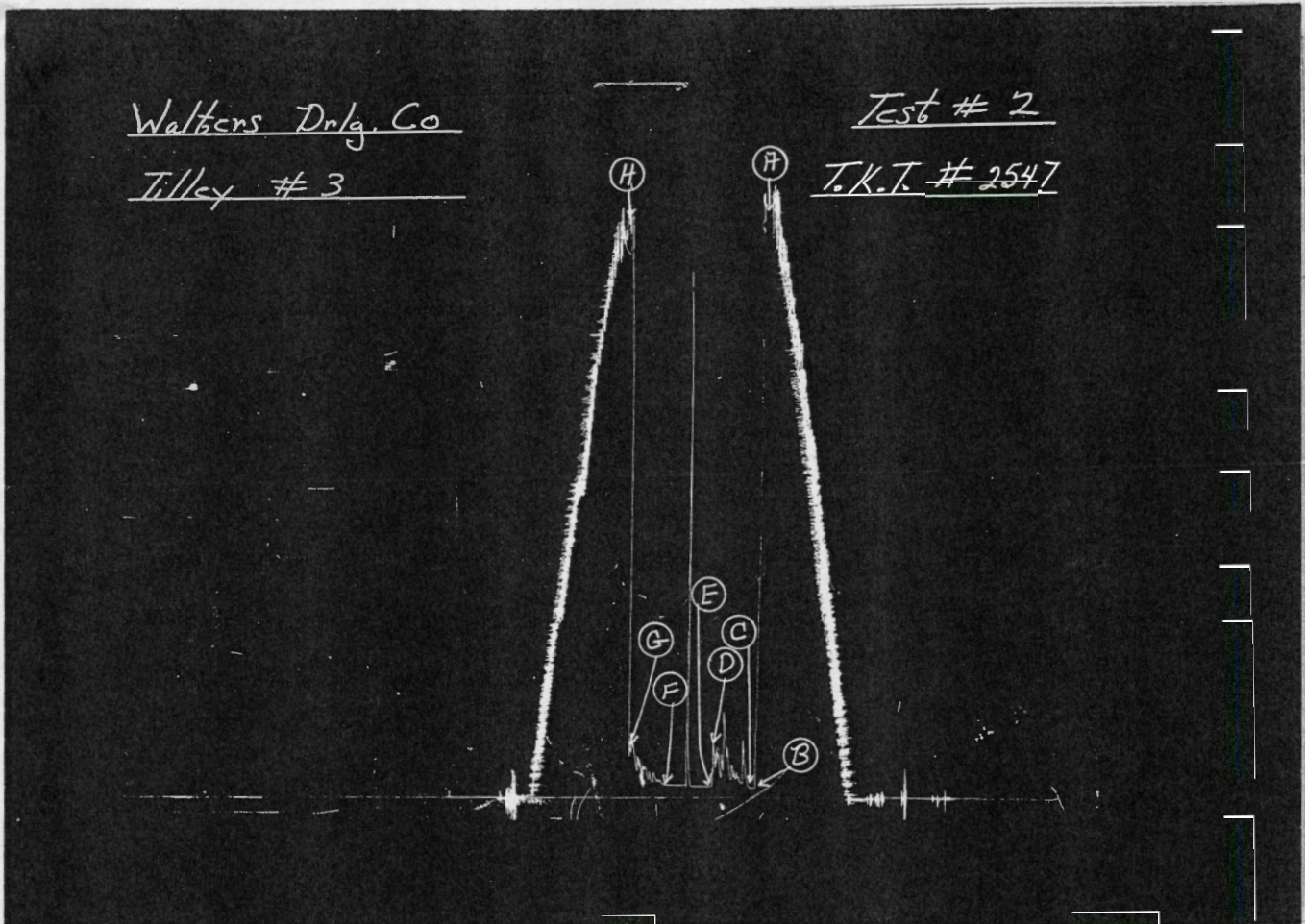


Walters Drilling Co

Tilley # 3

Test # 2

T.K.T. # 2547



This is an actual photograph of recorder chart.

**POINT**

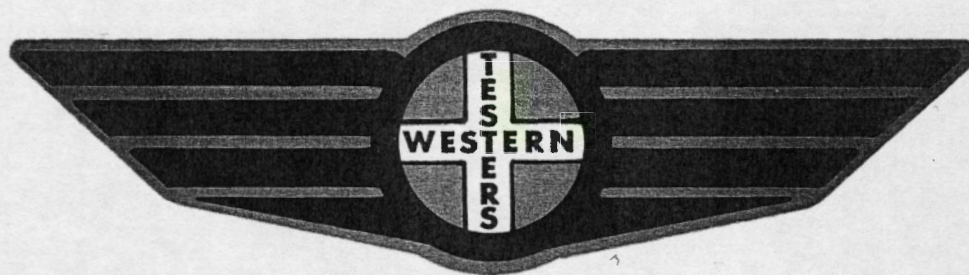
**PRESSURE**

(A) Initial Hydrostatic Mud .....	2409	PSI
(B) First Initial Flow Pressure .....	39	PSI
(C) First Final Flow Pressure .....	43	PSI
(D) Initial Closed-in Pressure .....	228	PSI
(E) Second Initial Flow Pressure .....	47	PSI
(F) Second Final Flow Pressure .....	53	PSI
(G) Final Closed-in Pressure .....	226	PSI
(H) Final Hydrostatic Mud .....	2399	PSI

FORMATION

TEST

REPORT



HOME OFFICE

P. O. BOX 793

GREAT BEND, KANSAS

Gladstone 3-7903



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Elev. 2473' D.F.

Company Walters Drilling Company Lease & Well No. Pilley #3 Trk. #2548

Date 12-1-62 Sec. 8 Twp. 17 Range 24 County Ness State Kansas

Test Approved by Alfred James III Western Representative George Tew

Formation Test No. 3 O.K.  Misrun  Interval Tested From 4446' to 4455' Total Depth 4455'  
Size Main Hole 7 7/8" Rat Hole None Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Packer Depth 4446 Ft. Size 6 3/4" Packer Depth 4443 Ft. Size 6 3/4"  
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 9 Ft. Size 5 1/2" O.D.

RECORDERS  
Depth 4448 Ft. Clock No. 6866 Inside  
Top Make Amerada Cap. 3150# No. 1562 Outside  
Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside  
Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside  
Depth 4450 Ft. Clock No. 30 Inside  
Bottom Make Western Cap. 4000# No. 57 Outside  
Depth \_\_\_\_\_ Ft. Clock No. \_\_\_\_\_ Inside  
Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside

Time Set Packer 1:05P M  
Tool Open I.F.P. From 1:08P M. to 1:13P M. - Hr. 5 Min. From (B) 21 P.S.I. To (C) 25 P.S.I.  
Tool Closed I.C.I.P. From 1:13P M. to 1:43P M. - Hr. 30 Min. (D) 1153 P.S.I.  
Tool Open F.F.P. From 1:43P M. to 4:43P M. 3 Hr. - Min From (E) 37 P.S.I. To (F) 125 P.S.I.  
Tool Closed F.C.I.P. From 4:43P M. to 5:43P M. 1 Hr. - Min. (G) 861 P.S.I.  
Initial Hydrostatic Pressure (A) 2465 P.S.I. Final Hydrostatic Pressure (H) 2419 P.S.I.

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

BLOW Good blow throughout test Bottom Choke Size 3/4 in.  
Did Well Flow  Yes  No Recovery Total Ft. 300 130' Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water \_\_\_\_\_  
130' Clean Oil - 50' Muddy Oil - 120' H.O.C.M. Mud  
Reversed Out  Yes  No Mud Type Salt Viscosity 41 Weight 10.3 Maximum Temp. 124 °F  
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make \_\_\_\_\_ Ser. No. \_\_\_\_\_  
Type Circ. Sub. 4 1/2" F.H. Did Tool Plug? No Where? \_\_\_\_\_ Did Packer Hold? Yes

Remarks  
29' Test Tool  
756' W.P. - 2.8" I.D.  
4670' D.P. - 3.7" I.D.

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

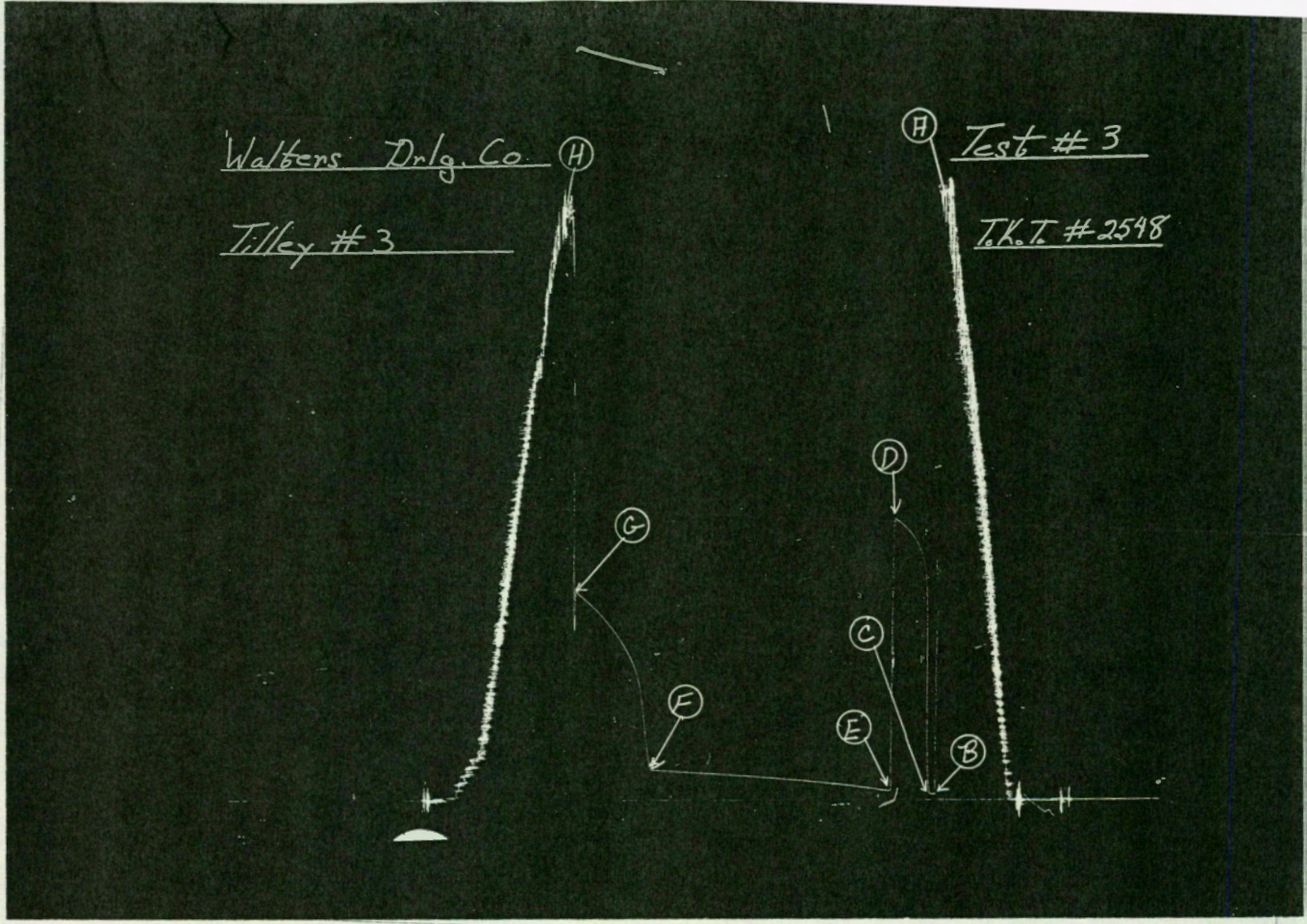
Date 12-1-62 Test Ticket No. 2548  
 Recorder No. 1562 Capacity 3150# Location 4448 Ft.  
 Clock No. 6866 Elevation 2473' D.F. Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2465</u>	P.S.I.	<u>1:08 P</u>	<u>1:08 PM</u>
B First Initial Flow Pressure	<u>21</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>25</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1153</u>	P.S.I.	<u>180</u> Mins.	<u>177</u> Mins.
E Second Initial Flow Pressure	<u>37</u>	P.S.I.	<u>60</u> Mins.	<u>58</u> Mins.
F Second Final Flow Pressure	<u>125</u>	P.S.I.		
G Final Closed-in Pressure	<u>861</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2419</u>	P.S.I.		

**PRESSURE BREAKDOWN**

<b>First Flow Press.</b> Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>35</u> Inc. of <u>5</u> mins. and a final inc. of <u>2</u> Min.	<b>Final Shut-In</b> Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>21</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>125</u>
P 2	<u>25</u>	<u>3</u>	<u>473</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>190</u>
P 3		<u>6</u>	<u>943</u>	<u>10</u>	<u>43</u>	<u>6</u>	<u>307</u>
P 4		<u>9</u>	<u>1014</u>	<u>15</u>	<u>48</u>	<u>9</u>	<u>433</u>
P 5		<u>12</u>	<u>1053</u>	<u>20</u>	<u>51</u>	<u>12</u>	<u>510</u>
P 6		<u>15</u>	<u>1081</u>	<u>25</u>	<u>56</u>	<u>15</u>	<u>558</u>
P 7		<u>18</u>	<u>1102</u>	<u>30</u>	<u>59</u>	<u>18</u>	<u>594</u>
P 8		<u>21</u>	<u>1120</u>	<u>35</u>	<u>62</u>	<u>21</u>	<u>628</u>
P 9		<u>24</u>	<u>1133</u>	<u>40</u>	<u>65</u>	<u>24</u>	<u>656</u>
P 10		<u>27</u>	<u>1147</u>	<u>45</u>	<u>69</u>	<u>27</u>	<u>681</u>
P 11		<u>30</u>	<u>1153</u>	<u>50</u>	<u>71</u>	<u>30</u>	<u>705</u>
P 12		*****		<u>55</u>	<u>73</u>	<u>33</u>	<u>725</u>
P 13		<b>Second Flow Press.</b>		<u>60</u>	<u>76</u>	<u>36</u>	<u>747</u>
P 14		<u>150</u>	<u>115</u>	<u>65</u>	<u>80</u>	<u>39</u>	<u>763</u>
P 15		<u>155</u>	<u>116</u>	<u>70</u>	<u>82</u>	<u>42</u>	<u>783</u>
P 16		<u>160</u>	<u>119</u>	<u>75</u>	<u>84</u>	<u>45</u>	<u>798</u>
P 17		<u>165</u>	<u>120</u>	<u>80</u>	<u>86</u>	<u>48</u>	<u>814</u>
P 18		<u>170</u>	<u>122</u>	<u>85</u>	<u>89</u>	<u>51</u>	<u>829</u>
P 19		<u>175</u>	<u>124</u>	<u>90</u>	<u>92</u>	<u>54</u>	<u>840</u>
P 20		<u>177</u>	<u>125</u>	<u>95</u>	<u>94</u>	<u>57</u>	<u>856</u>
				<u>100</u>	<u>95</u>	<u>58</u>	<u>861</u>
				<u>105</u>	<u>98</u>		
				<u>110</u>	<u>100</u>		
				<u>115</u>	<u>102</u>		
				<u>120</u>	<u>104</u>		
				<u>125</u>	<u>106</u>		
				<u>130</u>	<u>108</u>		
				<u>135</u>	<u>109</u>		
				<u>140</u>	<u>111</u>		
				<u>145</u>	<u>113</u>		



This is an actual photograph of recorder chart.

**POINT**

**PRESSURE**

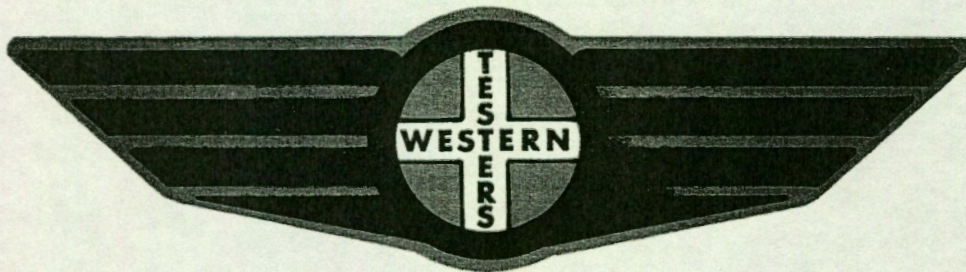
(A) Initial Hydrostatic Mud .....	2465	PSI
(B) First Initial Flow Pressure .....	21	PSI
(C) First Final Flow Pressure .....	25	PSI
(D) Initial Closed-in Pressure .....	1153	PSI
(E) Second Initial Flow Pressure .....	37	PSI
(F) Second Final Flow Pressure .....	125	PSI
(G) Final Closed-in Pressure .....	861	PSI
(H) Final Hydrostatic Mud .....	2419	PSI

FORMATION

TEST

REPORT

*TOP N 183 = 4474*

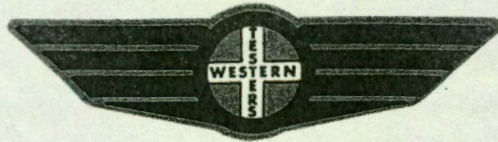


HOME OFFICE

P. O. BOX 793

GREAT BEND, KANSAS

Gladstone 3-7903



Home Office: Great Bend, Kansas

Plot. 2473' 3.7.

P. O. Box 793

Gladstone 3-7903

Company Walters Drilling Company Lease & Well No. Tilley #3 Plot. #2549

Date 12-3-62 Sec. 8 Twp. 17 Range 24 County Wes State Kansas

Test Approved by Alfred James III Western Representative George Tow

Formation Test No. 4 O.K.  Misrun  Interval Tested From 4457' to 4477' Total Depth 4477'

Size Main Hole 7 7/8" Rat Hole None Conv.  B.T.  Damaged  Yes  No  Conv.  B.T.  Damaged  Yes  No

Packer Depth 4457 Ft. Size 6 3/4" Packer Depth 4452 Ft. Size 6 3/4"

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" P.H. Anchor Length 20 Ft. Size 5 1/2" O.D.

RECORDERS Depth 4460 Ft. Clock No. 6866 Depth 4463 Ft. Clock No. 30

Top Make Amerada Cap. 3150# No. 1652 Inside Outside Bottom Make Western Cap. 4000# No. 57 Inside Outside

Blow Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Outside \_\_\_\_\_ Inside \_\_\_\_\_

Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside \_\_\_\_\_ Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer 4:01 M

Tool Open I.F.P. From 4:03 M. to 4:08 M. = Hr. 5 Min. From (B) 31 P.S.I. To (C) 48 P.S.I.

Tool Closed I.C.I.P. From 4:08 M. to 4:34 M. = Hr. 30 Min. (D) 1281 P.S.I.

Tool Open F.F.P. From 4:38 M. to 6:38 M. 2 Hr. = Min. From (E) 76 P.S.I. To (F) 392 P.S.I.

Tool Closed F.C.I.P. From 6:58 M. to 7:38 M. 1 Hr. = Min. (G) 1281 P.S.I.

Initial Hydrostatic Pressure (A) 2429 P.S.I. Final Hydrostatic Pressure (H) 2346 P.S.I.

Wellbore Surface Size Choke 3/4 in. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_

FORMATION \_\_\_\_\_ M. \_\_\_\_\_ M. \_\_\_\_\_ M.

Flow Good blow throughout test Bottom Choke Size 3/4 in.

Well Flow  Yes  No Recovery Total Ft. 840 Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water \_\_\_\_\_

840' salt water Mud \_\_\_\_\_

Reversed Out  Yes  No Mud Type Salt Viscosity 20 Weight 10.3 Maximum Temp. 121 °F

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

Tool Joint Circ. Sub. 4 1/2" P.H. Did Tool Plug?  Where? \_\_\_\_\_ Did Packer Hold?

Remarks \_\_\_\_\_

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

12-2-62

Test Ticket No. 2549

Order No. 1562 Capacity 3150# Location 1460 Ft.  
 Well No. 6066 Elevation 2473' D.P. Well Temperature 121 °F

	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	2429 P.S.I.	Opened Tool	4:03A M	4:03 AM
First Initial Flow Pressure	31 P.S.I.	First Flow Pressure	5 Mins.	3 Mins.
First Final Flow Pressure	48 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	1201 P.S.I.	Second Flow Pressure	130 Mins.	114 Mins.
Second Initial Flow Pressure	76 P.S.I.	Final Closed-in Pressure	60 Mins.	59 Mins.
Second Final Flow Pressure	392 P.S.I.			
Final Closed-in Pressure	1281 P.S.I.			
Final Hydrostatic Mud	2346 P.S.I.			

**PRESSURE BREAKDOWN**

<b>First Flow Press.</b> Breakdown: 1 Inc. of 3 mins. and a final inc. of = Min.	<b>Initial Shut-In</b> Breakdown: 10 Inc. of 3 mins. and a final inc. of = Min.	<b>Second Flow Pressure</b> Breakdown: 22 Inc. of 5 mins. and a final inc. of 4 Min.	<b>Final Shut-In</b> Breakdown: 19 Inc. of 2 mins. and a final inc. of = Min.
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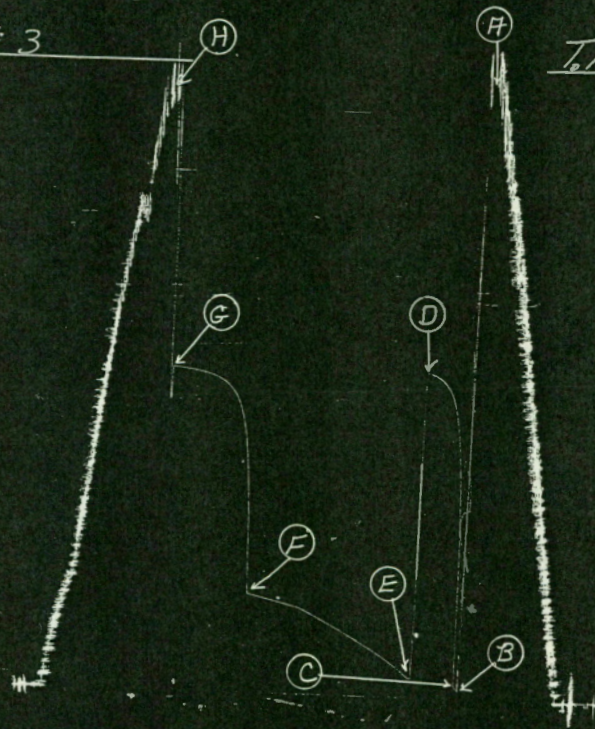
Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	31	0	48	0	76	0	392
3	48	3	864	3	89	3	854
		6	1062	10	111	6	1010
		9	1152	15	130	9	1102
		12	1201	20	149	12	1150
		15	1229	25	168	15	1180
		18	1250	30	185	18	1204
		21	1264	35	202	21	1220
		24	1273	40	218	24	1232
		27	1277	45	236	27	1243
		30	1281	50	250	30	1250
				55	265	33	1256
				60	280	36	1259
				65	294	39	1264
				70	308	42	1267
				75	324	45	1270
				80	338	48	1274
				85	346	51	1276
				90	354	54	1277
				95	360	57	1280
				100	368	59	1281
				105	375		
				110	381		
				114	392		

Walters Drlg.

Test # 4

Tilley # 3

T.K.T. # 2549



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud .....	2429	PSI
(B) First Initial Flow Pressure .....	51	PSI
(C) First Final Flow Pressure .....	48	PSI
(D) Initial Closed-in Pressure .....	1201	PSI
(E) Second Initial Flow Pressure .....	70	PSI
(F) Second Final Flow Pressure .....	392	PSI
(G) Final Closed-in Pressure .....	1201	PSI
(H) Final Hydrostatic Mud .....	2346	PSI