



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

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Thompson #1
 Elevation 1160 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 25252
 Date 4-26-75 Sec. 8 Twp. 35S Range 3W County Sumner State Kansas
 Test Approved by Robert E. McCann Western Representative Bob Anthony

Formation Test No. 1 O.K. Misrun Interval Tested From 3762' to 3795' Total Depth 3795'
 Size Main Hole 7 7/8 Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3757 Ft. Size 6 3/4 Bottom Packer Depth 3762 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 33 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3787 Ft. Clock No. 6899 Depth 3790 Ft. Clock No. 6895
 Top Make Kuster Cap. 4150 No. 3660 Inside Outside Bottom Make Kuster Cap. 4150 No. 3659 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 4:03 A M
 Tool Open I.F.P. From 4:05A M. to 4:35 A M. - Hr. 30 Min. From (B) 72 P.S.I. To (C) 112 P.S.I.
 Tool Closed I.C.I.P. From 4:35A M. to 5:05A M. - Hr. 30 Min. (D) 1781 P.S.I.
 Tool Open F.F.P. From 5:05A M. to 6:05A M. - Hr. 60 Min. From (E) 121 P.S.I. To (F) 182 P.S.I.
 Tool Closed F.C.I.P. From 6:05A M. to 6:50A M. - Hr. 45 Min. (G) 1754 P.S.I.
 Initial Hydrostatic Pressure (A) 1889 P.S.I. Final Hydrostatic Pressure (H) 1881 P.S.I. Maximum Temp. 125

INFORMATION

BLOW Weak, steady blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 320' total fluid- 20' mud with scum of oil, 180' thin drilling mud with spots of oil, 120' muddy water with spots of oil.

Reversed Out Yes No Mud Type Starch Viscosity 38 Weight 9 .5 Water Loss 16.0 cc. Chlorides 43,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Rains & Williamson Oil Co. Inc. Length Drill Pipe? 3739 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.
 Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 503 Ft. I.D. Drill Collars 2.2 In.
 Tool Joint Size 4 1/2 In. Length D.S.T. Tool 53 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 4-26-75 Test Ticket No. 25252
 Recorder No. 3660 Capacity 4150 Location 3787 Ft.
 Clock No. 6899 Elevation 1160 Kelly Bushing Well Temperature 125 °F

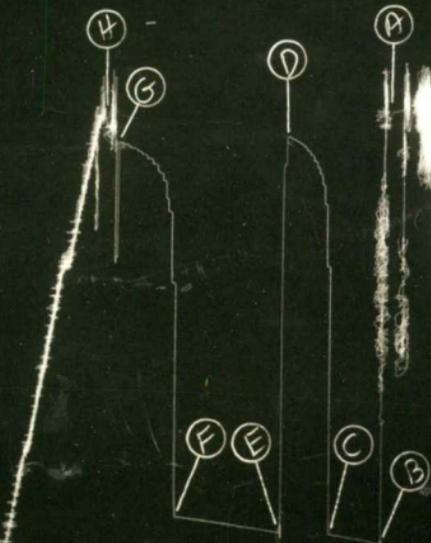
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1889</u>	P.S.I.	<u>4:03 A</u>	M
B First Initial Flow Pressure	<u>72</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>112</u>	P.S.I.	<u>30</u>	Mins. <u>27</u> Mins.
D Initial Closed-in Pressure	<u>1781</u>	P.S.I.	<u>60</u>	Mins. <u>65</u> Mins.
E Second Initial Flow Pressure	<u>121</u>	P.S.I.	<u>45</u>	Mins. <u>36</u> Mins.
F Second Final Flow Pressure	<u>182</u>	P.S.I.		
G Final Closed-in Pressure	<u>1754</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1881</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>12</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>72</u>	<u>0</u>	<u>112</u>	<u>0</u>	<u>121</u>	<u>0</u>	<u>182</u>
P 2 <u>5</u>	<u>81</u>	<u>3</u>	<u>1241</u>	<u>5</u>	<u>126</u>	<u>3</u>	<u>1169</u>
P 3 <u>10</u>	<u>89</u>	<u>6</u>	<u>1567</u>	<u>10</u>	<u>130</u>	<u>6</u>	<u>1518</u>
P 4 <u>15</u>	<u>95</u>	<u>9</u>	<u>1642</u>	<u>15</u>	<u>136</u>	<u>9</u>	<u>1619</u>
P 5 <u>20</u>	<u>100</u>	<u>12</u>	<u>1682</u>	<u>20</u>	<u>140</u>	<u>12</u>	<u>1651</u>
P 6 <u>25</u>	<u>106</u>	<u>15</u>	<u>1721</u>	<u>25</u>	<u>145</u>	<u>15</u>	<u>1677</u>
P 7 <u>30</u>	<u>112</u>	<u>18</u>	<u>1742</u>	<u>30</u>	<u>151</u>	<u>18</u>	<u>1684</u>
P 8		<u>21</u>	<u>1759</u>	<u>35</u>	<u>156</u>	<u>21</u>	<u>1702</u>
P 9		<u>24</u>	<u>1771</u>	<u>40</u>	<u>162</u>	<u>24</u>	<u>1717</u>
P10		<u>27</u>	<u>1781</u>	<u>45</u>	<u>166</u>	<u>27</u>	<u>1728</u>
P11				<u>50</u>	<u>171</u>	<u>30</u>	<u>1742</u>
P12				<u>55</u>	<u>174</u>	<u>33</u>	<u>1745</u>
P13				<u>60</u>	<u>179</u>	<u>36</u>	<u>1754</u>
P14				<u>65</u>	<u>182</u>		
P15							
P16							
P17							
P18							
P19							
P20							

TAT # 25252

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

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Thompson #1
Elevation 1164 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 21209
Date 4-29-75 Sec. 8 Twp. 35S Range 3W County Sumner State Kansas
Test Approved by Robert E. McCann Western Representative Forrest Purnell

Formation Test No. 2 O.K. Misrun Interval Tested From 4412' to 4434' Total Depth 4434'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4405 Ft. Size 6 3/4 Bottom Packer Depth 4412 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5-OD Tool Joint Size 4 1/2 FH Anchor Length 22 Ft. Size 5-OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4426 Ft. Clock No. 6800 Depth 4429 Ft. Clock No. 6859
Top Make Kuster Cap. 4200 No. 1559 Inside Outside Bottom Make Kuster Cap. 3150 No. 1565 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 2:25 A M
Tool Open I.F.P. From 3:00A M. to 3:30A M. - Hr. 30 Min. From (B) 66 P.S.I. To (C) 87 P.S.I.
Tool Closed I.C.I.P. From 3:30A M. to 4:00A M. - Hr. 30 Min (D) 1677 P.S.I.
Tool Open F.F.P. From 4:00A M. to 5:00A M. - Hr. 60 Min. From (E) 79 P.S.I. To (F) 113 P.S.I.
Tool Closed F.C.I.P. From 5:00A M. to 5:45A M. - Hr. 45 Min. (G) 1591 P.S.I.
Initial Hydrostatic Pressure (A) 2263 P.S.I. Final Hydrostatic Pressure (H) 2238 P.S.I. Maximum Temp. 136

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 4 minutes.

Did Well Flow Gas Yes No Recovery Total Ft. 116' gas cut drilling mud, 166' gas cut watery mud, 174' gas cut muddy water.

Reversed Out Yes No Mud Type Impenex -oil Viscosity 42 Weight 9.8 Water Loss 8.0 cc. Chlorides 49,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Rains & Williamson Oil Co. Inc. Length Drill Pipe? 3927 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 464 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4H-90 In. Length D.S.T. Tool 43 Ft.

Remarks: See attached sheet for gas measurements.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-29-75 Test Ticket No. 21209
 Recorder No. 1559 Capacity 4200 Location 4426 Ft.
 Clock No. 6800 Elevation 1164 Kelly Bushing Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2263</u> P.S.I.	Open Tool	<u>2:25</u> A M	
B First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>27</u> Mins.
C First Final Flow Pressure	<u>87</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1677</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>57</u> Mins.
E Second Initial Flow Pressure	<u>79</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
F Second Final Flow Pressure	<u>113</u> P.S.I.			
G Final Closed-in Pressure	<u>1591</u> P.S.I.			
H Final Hydrostatic Mud	<u>2238</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>16</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>0</u> Min.		final inc. of <u>2</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>0</u>	<u>87</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>113</u>
P 2	<u>5</u>	<u>3</u>	<u>787</u>	<u>5</u>	<u>79</u>	<u>3</u>	<u>735</u>
P 3	<u>10</u>	<u>6</u>	<u>1088</u>	<u>10</u>	<u>86</u>	<u>6</u>	<u>981</u>
P 4	<u>15</u>	<u>9</u>	<u>1277</u>	<u>15</u>	<u>89</u>	<u>9</u>	<u>1136</u>
P 5	<u>20</u>	<u>12</u>	<u>1395</u>	<u>20</u>	<u>92</u>	<u>12</u>	<u>1253</u>
P 6	<u>25</u>	<u>15</u>	<u>1478</u>	<u>25</u>	<u>93</u>	<u>15</u>	<u>1326</u>
P 7	<u>27</u>	<u>18</u>	<u>1538</u>	<u>30</u>	<u>96</u>	<u>18</u>	<u>1381</u>
P 8		<u>21</u>	<u>1584</u>	<u>35</u>	<u>98</u>	<u>21</u>	<u>1428</u>
P 9		<u>24</u>	<u>1616</u>	<u>40</u>	<u>101</u>	<u>24</u>	<u>1463</u>
P10		<u>27</u>	<u>1642</u>	<u>45</u>	<u>106</u>	<u>27</u>	<u>1492</u>
P11		<u>30</u>	<u>1665</u>	<u>50</u>	<u>109</u>	<u>30</u>	<u>1515</u>
P12		<u>33</u>	<u>1677</u>	<u>55</u>	<u>112</u>	<u>33</u>	<u>1533</u>
P13				<u>57</u>	<u>113</u>	<u>36</u>	<u>1548</u>
P14						<u>39</u>	<u>1563</u>
P15						<u>42</u>	<u>1576</u>
P16						<u>45</u>	<u>1586</u>
P17						<u>48</u>	<u>1591</u>
P18							
P19							
P20							

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **4-29-75** Ticket **21209** Company **Rains & Williamson Oil Co., Inc.**
Well Name and No. **Thompson #1** Dst No. **2** Interval Tested **4412'-4434'**
County **Sumner** State **Kansas** Sec. **8** Twp. **35S** Rg. **3W**

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
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PRE FLOW

3:10 AM	10 min.	7.5 PSIG	1/2" choke			97,800 C.F.P.D.
3:20 AM	10 min.	9.5 PSIG	1/2" choke			112,000 C.F.P.D.
3:30 AM	10 min.	9.5 PSIG	1/2" choke			112,000 C.F.P.D.

Tool opened at 3:00 AM in initial flow period, gas to surface in four minutes.

SECOND FLOW

4:10 AM	10 min.	11 PSIG	1/2" choke			141,000 C.F.P.D.
4:20 AM	10 min.	12 PSIG	1/2" choke			129,000 C.F.P.D.
4:30 AM	10 min.	10 PSIG	1/2" choke			116,000 C.F.P.D.
4:40 AM	10 min.	9.5 PSIG	1/2" choke			112,000 C.F.P.D.
4:50 AM	10 min.	9.5 PSIG	1/2" choke			112,000 C.F.P.D.
5:00 AM	10 min.	9.5 PSIG	1/2" choke			112,000 C.F.P.D.

All measurements were taken with a 2" orifice well tester through a 1/2" choke.

GAS BOTTLE

Serial No. _____ Date Bottle Filled **4-29-75** Date to be Invoiced **4-29-75**

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

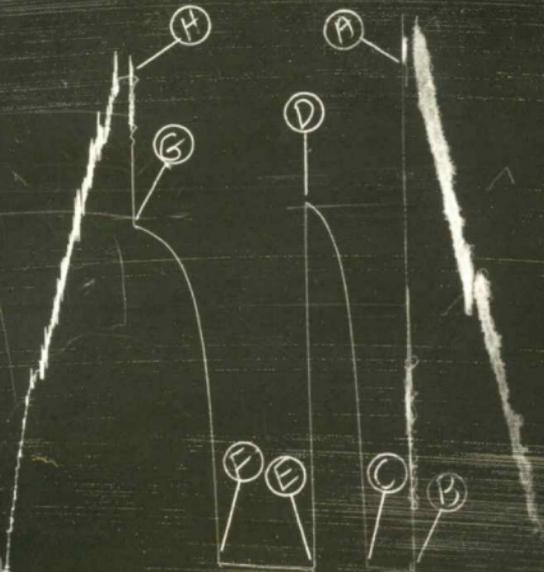
All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME **Rains & Williamson Oil Co., Inc.**

Authorized by **Robert E. McCann**

TKT # 21209

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1559



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

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Thompson #1
Elevation 1164 Kelly Bush. Formation Simpson Effective Pay - Ft. Ticket No. 21212
Date 5-2-75 Sec. 8 Twp. 35S Range 3W County Sumner State Kansas
Test Approved by Don Shawver Western Representative Forrest Purnell

Formation Test No. 3 O.K. Misrun Interval Tested From 4866' to 4878' Total Depth 4878'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4861 Ft. Size 6 3/4 Bottom Packer Depth 4866 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 12 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4870 Ft. Clock No. 6800 Depth 4873 Ft. Clock No. 6859
Top Make Kuster Cap. 4200 No. 1559 Inside Outside Bottom Make Kuster Cap. 3150 No. 1565 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 12:25 P M
Tool Open I.F.P. From 12:30P M. to 1:00P M. - Hr. 30 Min. From (B) 8 P.S.I. To (C) 8 P.S.I.
Tool Closed I.C.I.P. From 1:00P M. to 1:30P M. - Hr. 30 Min (D) 8 P.S.I.
Tool Open F.F.P. From 1:30P M. to 2:30P M. - Hr. 60 Min. From (E) 8 P.S.I. To (F) 8 P.S.I.
Tool Closed F.C.I.P. From 2:30P M. to 3:00P M. - Hr. 30 Min. (G) 8 P.S.I.
Initial Hydrostatic Pressure (A) 2628 P.S.I. Final Hydrostatic Pressure (H) 2611 P.S.I. Maximum Temp. 133

INFORMATION

BLOW Very weak blow for 25 minutes.
Did Well Flow Yes No Recovery Total Ft. 15' drilling mud.

Reversed Out Yes No Mud Type Impernex Viscosity 57 Weight 9.9 Water Loss 8.8 cc. Chlorides 47,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Rains & Williamson Oil Co. Inc. Length Drill Pipe 4380 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 464 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 H-90 In. Length D.S.T. Tool 34 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 5-2-75 Test Ticket No. 21212
 Recorder No. 1559 Capacity 4200 Location 4870 Ft.
 Clock No. 6800 Elevation 1164 Kelly Bushing Well Temperature 133 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2628</u>	P.S.I.	<u>12:25 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>8</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>8</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>8</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>8</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
F Second Final Flow Pressure	<u>8</u>	P.S.I.		
G Final Closed-in Pressure	<u>8</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2611</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</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>0</u>	<u>8</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>8</u>
P 2	<u>5</u>	<u>3</u>	<u>8</u>	<u>5</u>	<u>8</u>	<u>3</u>	<u>8</u>
P 3	<u>10</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>8</u>	<u>6</u>	<u>8</u>
P 4	<u>15</u>	<u>9</u>	<u>8</u>	<u>15</u>	<u>8</u>	<u>9</u>	<u>8</u>
P 5	<u>20</u>	<u>12</u>	<u>8</u>	<u>20</u>	<u>8</u>	<u>21</u>	<u>8</u>
P 6	<u>25</u>	<u>15</u>	<u>8</u>	<u>25</u>	<u>8</u>	<u>15</u>	<u>8</u>
P 7	<u>30</u>	<u>18</u>	<u>8</u>	<u>30</u>	<u>8</u>	<u>18</u>	<u>8</u>
P 8		<u>21</u>	<u>8</u>			<u>21</u>	<u>8</u>
P 9		<u>24</u>	<u>8</u>			<u>24</u>	<u>8</u>
P10		<u>27</u>	<u>8</u>			<u>27</u>	<u>8</u>
P11		<u>30</u>	<u>8</u>			<u>30</u>	<u>8</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Thompson #1
 Elevation 1164 Kelly Bush. Formation Simpson Effective Pay - Ft. Ticket No. 21213
 Date 5-8-75 Sec. 8 Twp. 35S Range 3W County Sumner State Kansas
 Test Approved by Don Shawver Western Representative Forrest Purnell

Formation Test No. 4 O.K. Misrun Interval Tested From 4876' to 4886' Total Depth 4886'
 Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 4871 Ft. Size 6 3/4 Bottom Packer Depth 4876 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 10 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4879 Ft. Clock No. 6800 Depth 4882 Ft. Clock No. 6859
 Top Make Kuster Cap. 4200 No. 1559 Inside Outside Bottom Make Kuster Cap. 3150 No. 1565 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 8:40 A M
 Tool Open I.F.P. From 8:45 A M. to 9:15A M. - Hr. 30 Min. From (B) 19 P.S.I. To (C) 100 P.S.I.
 Tool Closed I.C.I.P. From 9:15A M. to 9:45A M. - Hr. 30 Min (D) 1859 P.S.I.
 Tool Open F.F.P. From 9:45A M. to 11:15A M. - Hr. 90 Min. From (E) 109 P.S.I. To (F) 232 P.S.I.
 Tool Closed F.C.I.P. From 11:15A M. to 12:00P M. - Hr. 45 Min. (G) 1859 P.S.I.
 Initial Hydrostatic Pressure (A) 2604 P.S.I. Final Hydrostatic Pressure (H) 2473 P.S.I. Maximum Temp. -

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 36 minutes. 6 minutes on final flow period.

Did Well Flow Gas Yes No Recovery Total Ft. 15' slightly oil & gas cut muddy water, (186' gassy ldy oil emulsion-4% water, grindout samples), (186' muddy gassy oil-5% water, grindout mples), 310' oil cut gassy salt water.

Reversed Out Yes No Mud Type Impervious Viscosity 59 Weight 9.9 Water Loss 8.8 cc. Chlorides 47,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Rains & Williamson Oil Co. Inc. Length Drill Pipe? 4390 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 464 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 XH-90 In. Length D.S.T. Tool 32 Ft.

Remarks: See attached sheet for gas measurements.

WESTERN TESTING CO., INC.
Pressure Data

Date 5-3-75 Test Ticket No. 21213
 Recorder No. 1559 Capacity 4200 Location 4879 Ft.
 Clock No. 6800 Elevation 1164 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2604</u> P.S.I.	Open Tool	<u>8:40A</u> M	
B First Initial Flow Pressure	<u>19</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>100</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1859</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>109</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>232</u> P.S.I.			
G Final Closed-in Pressure	<u>1859</u> P.S.I.			
H Final Hydrostatic Mud	<u>2473</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>18</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>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>19</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>109</u>	<u>0</u>	<u>232</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>575</u>	<u>5</u>	<u>119</u>	<u>3</u>	<u>808</u>
P 3 <u>10</u>	<u>52</u>	<u>6</u>	<u>1441</u>	<u>10</u>	<u>120</u>	<u>6</u>	<u>1684</u>
P 4 <u>15</u>	<u>67</u>	<u>9</u>	<u>1776</u>	<u>15</u>	<u>125</u>	<u>9</u>	<u>1787</u>
P 5 <u>20</u>	<u>84</u>	<u>12</u>	<u>1821</u>	<u>20</u>	<u>132</u>	<u>12</u>	<u>1816</u>
P 6 <u>25</u>	<u>98</u>	<u>15</u>	<u>1839</u>	<u>25</u>	<u>142</u>	<u>15</u>	<u>1831</u>
P 7 <u>30</u>	<u>100</u>	<u>18</u>	<u>1846</u>	<u>30</u>	<u>148</u>	<u>18</u>	<u>1839</u>
P 8		<u>21</u>	<u>1850</u>	<u>35</u>	<u>159</u>	<u>21</u>	<u>1846</u>
P 9		<u>24</u>	<u>1852</u>	<u>40</u>	<u>165</u>	<u>24</u>	<u>1848</u>
P10		<u>27</u>	<u>1856</u>	<u>45</u>	<u>173</u>	<u>27</u>	<u>1852</u>
P11		<u>30</u>	<u>1859</u>	<u>50</u>	<u>182</u>	<u>30</u>	<u>1854</u>
P12				<u>55</u>	<u>190</u>	<u>33</u>	<u>1855</u>
P13				<u>60</u>	<u>194</u>	<u>36</u>	<u>1856</u>
P14				<u>65</u>	<u>205</u>	<u>39</u>	<u>1857</u>
P15				<u>70</u>	<u>209</u>	<u>42</u>	<u>1858</u>
P16				<u>75</u>	<u>215</u>	<u>45</u>	<u>1859</u>
P17				<u>80</u>	<u>224</u>		
P18				<u>85</u>	<u>228</u>		
P19				<u>90</u>	<u>232</u>		
P20							

Phone 316 262-5861
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P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **5-3-75** Ticket **21213** Company **Rains & Williamson Oil Co., Inc.**
Well Name and No. **Thompson #1** Dst No. **4** Interval Tested **4876'-4886'**
County **Sumner** State **Kansas** Sec. **8** Twp. **35S** Rg. **3W**

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
No measurements taken in pre-flow period. Tool opened at 9:45 AM in second flow period.						

SECOND FLOW						
9:55 AM	10 min.	½" choke	11" of water			20,900 C.F.P.D.
0:05 AM	10 min.	½" choke	10" of water			19,900 C.F.P.D.
0:15 AM	10 min.	½" choke	12" of water			21,900 C.F.P.D.
0:25 AM	10 min.	½" choke	10" of water			19,900 C.F.P.D.
0:35 AM	10 min.	½" choke	9" of water			18,800 C.F.P.D.
0:45 AM	10 min.	½" choke	7" of water			16,700 C.F.P.D.
0:55 AM	10 min.	½" choke	7" of water			16,700 C.F.P.D.
1:05 AM	10 min.	½" choke	6" of water			15,400 C.F.P.D.
1:15 AM	10 min.	½" choke	6" of water			15,400 C.F.P.D.
as to surface in 36 minutes after tool opened on initial flow period. All measurements were taken with a 2" orifice well tester through a ½" choke.						

GAS BOTTLE

Serial No. _____ Date Bottle Filled **5-3-75** Date to be Invoiced **5-3-75**

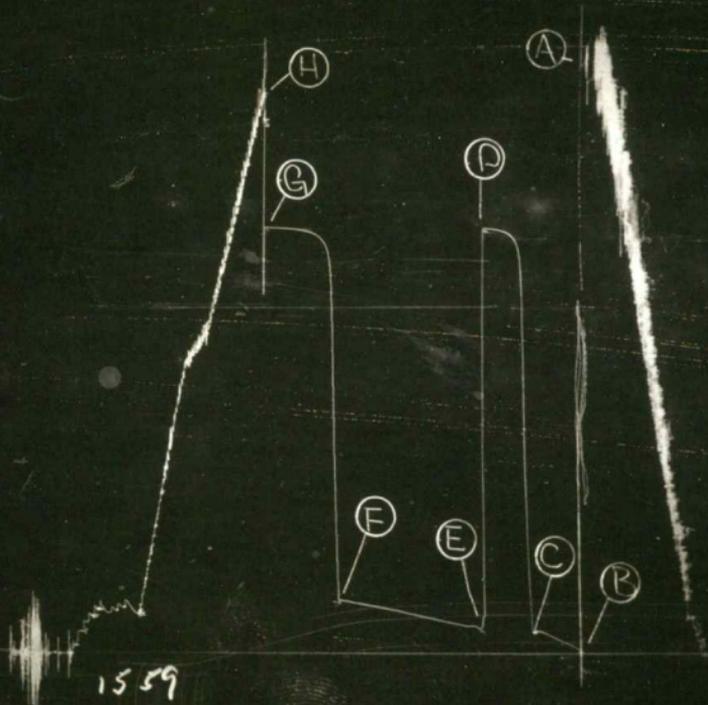
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME **Rains & Williamson Oil Co., Inc.**
Authorized by **Don Shawver**

TK# 21213

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1559