



INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Wells #1  
Elevation 2255 Kelly Bush Formation Mississippi Effective Pay - Fr. Ticket No. 21598  
Date 6-6-76 Sec. 36 Twp. 20S Range 21W County Ness State Kansas  
Test Approved by Harvey Gough Western Representative Max Knipe

Formation Test No. 1 O.K.  Misrun  Interval Tested From 4372' to 4408' Total Depth 4408'  
Size Main Hole 77/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 4367 Ft. Size 6 3/4 Bottom Packer Depth 4372 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 36 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.  
RECORDERS Depth 4400 Ft. Clock No. 6897 Depth 4403 Ft. Clock No. 10168  
Top Make Kuster Cap. 4250 No. 1051  Inside  Outside Bottom Make Kuster Cap. 4000 No. 3659  Inside  Outside  
Below Straddle: Depth  Rec. No.  Clock No.   Inside  Outside Depth  Ft. Rec. No.  Clock No.   Inside  Outside

Time Set Packer 6:57 A M  
Tool Open I.F.P. From 7:00 A M. to 7:35 A M. - Hr. 35 Min. From (B) 54 P.S.I. To (C) 57 P.S.I.  
Tool Closed I.C.I.P. From 7:35 A M. to 8:05 A M. - Hr. 30 Min (D) 87 P.S.I.  
Tool Open F.F.P. From 8:05 A M. to 8:35 A M. - Hr. 30 Min. From (E) 69 P.S.I. To (F) 65 P.S.I.  
Tool Closed F.C.I.P. From 8:35 A M. to 9:05 A M. - Hr. 30 Min. (G) 77 P.S.I.  
Initial Hydrostatic Pressure (A) 2348 P.S.I. Final Hydrostatic Pressure (H) 2346 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Weak blow for 40 minutes, died in 10 minutes on second flow.

Did Well Flow - Yes  No  Recovery Total Ft. 30' mud with few spots of oil.

Reversed Out - Yes  No  Mud Type starch Viscosity 45 Weight 10. Water Loss 12. cc. Chlorides 36,000 P.P.M.

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 Drlg. Co. Rig # 7 Length Drill Pipe? 3691 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 661 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars  Ft. I.D. Drill Collars  In.

Tool Joint Size  In. Length D.S.T. Tool 56 Ft.

Remarks:

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

Date 6-6-76 Test Ticket No. 21598  
 Recorder No. 1051 Capacity 4250 Location 4400 Ft.  
 Clock No. 6897 Elevation 2255 Kelly Bushing Well Temperature 120 °F

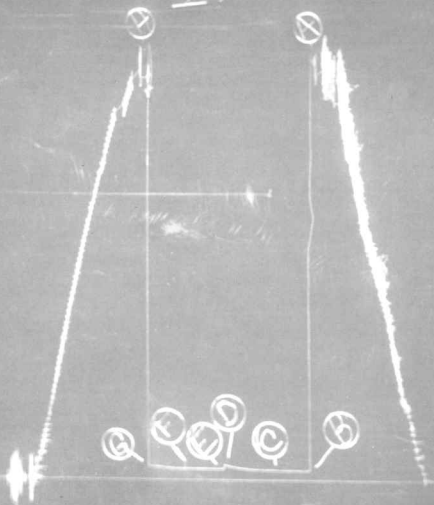
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2348</u> P.S.I.	Open Tool	<u>6:57</u> AM	
B First Initial Flow Pressure	<u>54</u> P.S.I.	First Flow Pressure	<u>35</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>57</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>87</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>69</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>65</u> P.S.I.			
G Final Closed-in Pressure	<u>77</u> P.S.I.			
H Final Hydrostatic Mud	<u>2346</u> P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>7</u> mins. and a		of <u>9</u> mins. and a		of <u>6</u> mins. and a		of <u>10</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>54</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>65</u>	
P 2 <u>5</u>	<u>53</u>	<u>3</u>	<u>60</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>65</u>	
P 3 <u>10</u>	<u>53</u>	<u>6</u>	<u>60</u>	<u>10</u>	<u>65</u>	<u>6</u>	<u>65</u>	
P 4 <u>15</u>	<u>53</u>	<u>9</u>	<u>65</u>	<u>15</u>	<u>65</u>	<u>9</u>	<u>67</u>	
P 5 <u>20</u>	<u>54</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>65</u>	<u>12</u>	<u>69</u>	
P 6 <u>25</u>	<u>54</u>	<u>15</u>	<u>69</u>	<u>25</u>	<u>65</u>	<u>15</u>	<u>71</u>	
P 7 <u>30</u>	<u>56</u>	<u>18</u>	<u>73</u>	<u>30</u>	<u>65</u>	<u>18</u>	<u>73</u>	
P 8 <u>35</u>	<u>57</u>	<u>21</u>	<u>77</u>			<u>21</u>	<u>75</u>	
P 9 _____		<u>24</u>	<u>84</u>			<u>24</u>	<u>75</u>	
P10 _____		<u>27</u>	<u>87</u>			<u>27</u>	<u>76</u>	
P11 _____						<u>30</u>	<u>77</u>	
P12 _____								
P13 _____								
P14 _____								
P15 _____								
P16 _____								
P17 _____								
P18 _____								
P19 _____								
P20 _____								

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Company Rains & Williamson Oil Co., Inc. Lease & Well No. WELLS #1  
Elevation 2255 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 21599  
Date 6-6-76 Sec. 36 Twp. 20S Range 21W County Ness State Kansas  
Test Approved by Harvey Gough Western Representative Max Knipe

Formation Test No. 2 O.K.  Misrun  Interval Tested From 4372' to 4417' Total Depth 4417'  
Size Main Hole 77/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 4367 Ft. Size 6 3/4 Bottom Packer Depth 4372 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 45 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4409 Ft. Clock No. 6897 Depth 4412 Ft. Clock No. 10168  
Top Make Kuster Cap. 4250 No. 1051 ~~Inside~~ Outside Bottom Make Kuster Cap. 4000 No. 3659 ~~Inside~~ Outside  
Below Straddle: Depth  Rec. No.  Clock No.  ~~Inside~~ Outside Depth  Ft. Rec. No.  Clock No.  ~~Inside~~ Outside

Time Set Packer 8:02 P M  
Tool Open I.F.P. From 8:05 P M. to 8:25 P M. - Hr. 30 Min. From (B) 81 P.S.I. To (C) 79 P.S.I.  
Tool Closed I.C.I.P. From 8:25 M. to 8:55 P M. - Hr. 30 Min (D) 712 P.S.I.  
Tool Open F.F.P. From 8:55 P M. to 10:00 P M. 1 Hr. 05 Min. From (E) 107 P.S.I. To (F) 107 P.S.I.  
Tool Closed F.C.I.P. From 10:00 M. to 10:30 P M. - Hr. 30 Min. (G) 219 P.S.I.  
Initial Hydrostatic Pressure (A) 2414 P.S.I. Final Hydrostatic Pressure (H) 2359 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Weak blow, died in 50 minutes in second flow period.

Did Well Flow  Yes  No Recovery Total Ft. 70' slightly oil cut mud.

Reversed Out  Yes  No Mud Type starcg Viscosity 45 Weight 10. Water Loss 12. cc. Chlorides 36,000 P.P.M.

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 Drlg. Co. Rig # 7 Length Drill Pipe? 3692 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 661 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars  Ft. I.D. Drill Collars  In.

Tool Joint Size  In. Length D.S.T. Tool 64 Ft.

Remarks:

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

Date 6-6-76 Test Ticket No. 21599  
 Recorder No. 1051 Capacity 4250 Location 4409 Ft.  
 Clock No. 6897 Elevation 2255 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2414</u> P.S.I.	Open Tool	<u>8:02</u> P M	
B. First Initial Flow Pressure	<u>81</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>79</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>712</u> P.S.I.	Second Flow Pressure	<u>65</u> Mins.	<u>65</u> Mins.
E. Second Initial Flow Pressure	<u>107</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F. Second Final Flow Pressure	<u>107</u> P.S.I.			
G. Final Closed-in Pressure	<u>219</u> P.S.I.			
H. Final Hydrostatic Mud	<u>2359</u> P.S.I.			

**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>13</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>81</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>107</u>	<u>0</u>	<u>107</u>
P 2 <u>5</u>	<u>77</u>	<u>3</u>	<u>86</u>	<u>5</u>	<u>103</u>	<u>3</u>	<u>108</u>
P 3 <u>10</u>	<u>77</u>	<u>6</u>	<u>99</u>	<u>10</u>	<u>103</u>	<u>6</u>	<u>120</u>
P 4 <u>15</u>	<u>78</u>	<u>9</u>	<u>129</u>	<u>15</u>	<u>103</u>	<u>9</u>	<u>128</u>
P 5 <u>20</u>	<u>78</u>	<u>12</u>	<u>170</u>	<u>20</u>	<u>103</u>	<u>12</u>	<u>129</u>
P 6 <u>25</u>	<u>78</u>	<u>15</u>	<u>241</u>	<u>25</u>	<u>103</u>	<u>15</u>	<u>138</u>
P 7 <u>30</u>	<u>79</u>	<u>18</u>	<u>356</u>	<u>30</u>	<u>103</u>	<u>18</u>	<u>155</u>
P 8		<u>21</u>	<u>440</u>	<u>35</u>	<u>103</u>	<u>21</u>	<u>174</u>
P 9		<u>24</u>	<u>547</u>	<u>40</u>	<u>103</u>	<u>24</u>	<u>194</u>
P10		<u>27</u>	<u>642</u>	<u>45</u>	<u>103</u>	<u>27</u>	<u>219</u>
P11		<u>30</u>	<u>712</u>	<u>50</u>	<u>105</u>		
P12				<u>55</u>	<u>105</u>		
P13				<u>60</u>	<u>106</u>		
P14				<u>65</u>	<u>107</u>		
P15							
P16							
P17							
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