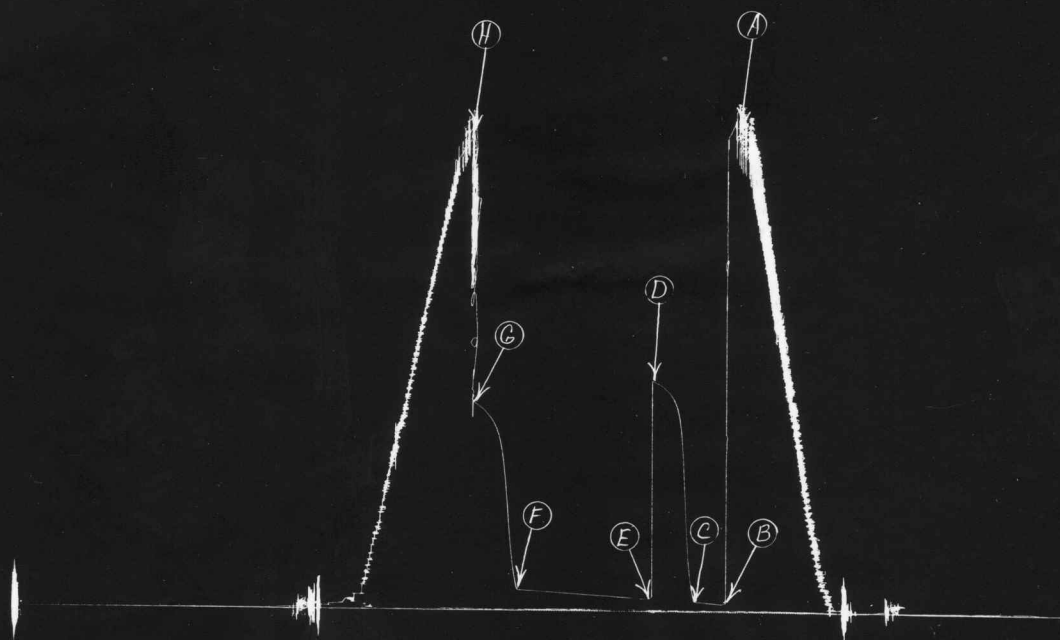


Rains & Williamson
 Chaddick #1

TKT # 8419
 Test # 1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2316	PSI
(B) First Initial Flow Pressure	35	PSI
(C) First Final Flow Pressure	43	PSI
(D) Initial Closed-in Pressure	1124	PSI
(E) Second Initial Flow Pressure	60	PSI
(F) Second Final Flow Pressure	101	PSI
(G) Final Closed-in Pressure	1018	PSI
(H) Final Hydrostatic Mud	2303	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Swift 3-7903

Rains & Williamson Oil Company

Chaddick #1

Company _____ Lease & Well No. _____
 Elevation _____ Formation **Mississippi** Ticket Number **8419**
 Date **May 19, 1967** Sec. **31** Twp. **20s** Range **20w** County **Pawnee** State **Kansas**
 Test Approved by **Tom Wesselowski** Western Representative **Dean Blagrave**

Formation Test No. **1** O.K. Misrun Interval Tested From **4369'** to **4376'** Total Depth **4376'**
 Size Main Hole **7 7/8** Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
 Packer Depth **4364** Ft. Size **6 3/4** Packer Depth **4369** Ft. Size **6 3/4**
 Straddle _____ Yes No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
 Packer Depth _____ Ft. Size _____

Tool Size **5 1/2 OD** Tool Jt. Size **4 1/2 FH** Anchor Length **7** Ft. Size **5 1/2 OD**
 RECORDERS Depth **4358** Ft. Clock No. **6892** Depth **4372** Ft. Clock No. **6774**
 Top Make **Amerada** Cap. **4150** No. **2006** Inside _____ Outside _____ Bottom Make **Amerada** Cap. **4300** No. **1567** 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 **7:35 P** M
 Tool Open I.F.P. From **7:40** M to **8:00** M Hr. **20** Min. From (B) **35** P.S.I. To (C) **43** P.S.I.
 Tool Closed I.C.I.P. From **8:00** M. to **8:30** M. Hr. **30** Min. (D) **1124** P.S.I.
 Tool Open F.F.P. From **8:30P** M. to **10:00** M. **1** Hr. **30** Min. From (E) **60** P.S.I. To (F) **101** P.S.I.
 Tool Closed F.C.I.P. From **10:00** M. to **10:30** M. Hr. **30** Min. (G) **1018** P.S.I.
 Initial Hydrostatic Pressure (A) **2316** P.S.I. Final Hydrostatic Pressure (H) **2303** P.S.I.

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

BLOW **Good throughout/** Bottom Choke Size **3/4** In.
 Did Well Flow _____ Yes No _____ Recovery Total Ft. **150' gassy muddy oil**

Reversed Out _____ Yes No _____ Mud Type **starch** Viscosity **47** Weight **9.8** Maximum Temp. **123** °F

EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint **B** Jars: Size **no** Make _____ Ser. No. _____
 Type Circ. Sub. **plug** Did Tool Plug? **no** Where? _____ Did Packer Hold? **yes**
 Length Drill Pipe _____ ft. I.D. Drill Pipe **3.8** in Length Weight Pipe **910** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **none** ft.
 I. D. Drill Collars _____ in. Length D.S.T. Tool **31** ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date May 19, 1967 Test Ticket No. 8419
 Recorder No. 2606 Capacity 4150 Location _____ Ft.
 Clock No. 6892 Elevation 7/ Well Temperature 123 °F

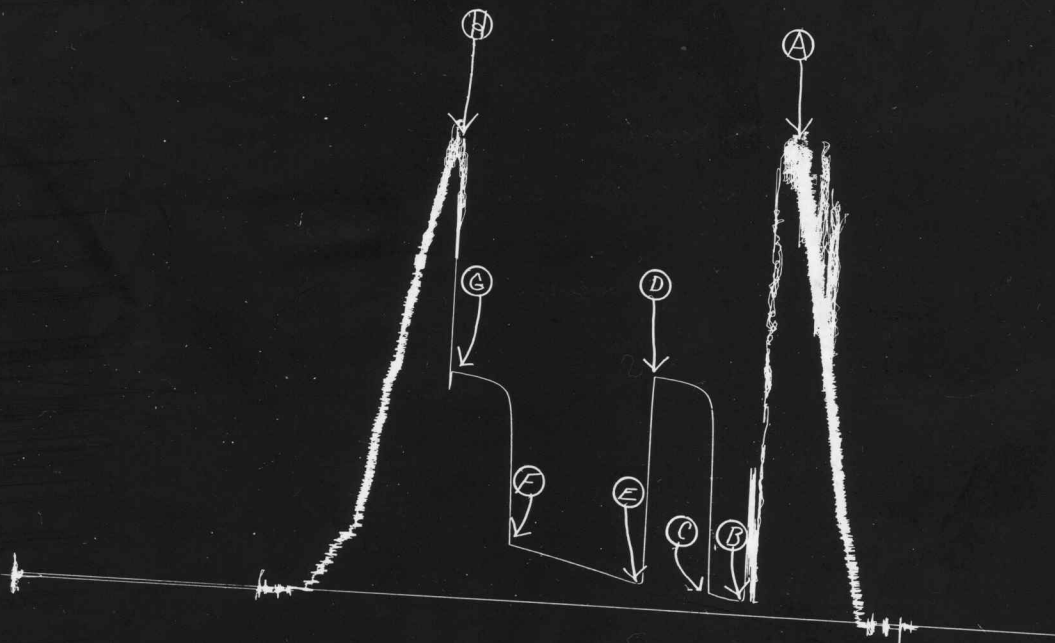
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2316</u>	P.S.I.	<u>7:35 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>35</u>	P.S.I.	<u>20</u>	<u>20</u> Mins.
C First Final Flow Pressure	<u>43</u>	P.S.I.	<u>30</u>	<u>32</u> Mins.
D Initial Closed-in Pressure	<u>1124</u>	P.S.I.	<u>90</u>	<u>89</u> Mins.
E Second Initial Flow Pressure	<u>60</u>	P.S.I.	<u>30</u>	<u>31</u> Mins.
F Second Final Flow Pressure	<u>101</u>	P.S.I.		
G Final Closed-in Pressure	<u>1018</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2303</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>17</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>2</u> Min.		final inc. of <u>4</u> Min.		final inc. of <u>1</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>101</u>
P 2	<u>5</u>	<u>3</u>	<u>137</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>191</u>
P 3	<u>10</u>	<u>6</u>	<u>312</u>	<u>10</u>	<u>60</u>	<u>6</u>	<u>343</u>
P 4	<u>15</u>	<u>9</u>	<u>547</u>	<u>15</u>	<u>64</u>	<u>9</u>	<u>593</u>
P 5	<u>20</u>	<u>12</u>	<u>831</u>	<u>20</u>	<u>68</u>	<u>12</u>	<u>771</u>
P 6		<u>15</u>	<u>977</u>	<u>25</u>	<u>70</u>	<u>15</u>	<u>868</u>
P 7		<u>18</u>	<u>1035</u>	<u>30</u>	<u>73</u>	<u>18</u>	<u>923</u>
P 8		<u>21</u>	<u>1066</u>	<u>35</u>	<u>75</u>	<u>21</u>	<u>956</u>
P 9		<u>24</u>	<u>1089</u>	<u>50</u>	<u>78</u>	<u>24</u>	<u>981</u>
P10		<u>27</u>	<u>1105</u>	<u>45</u>	<u>80</u>	<u>27</u>	<u>1000</u>
P11		<u>30</u>	<u>1117</u>	<u>50</u>	<u>82</u>	<u>30</u>	<u>1014</u>
P12		<u>32</u>	<u>1124</u>	<u>55</u>	<u>85</u>	<u>31</u>	<u>1018</u>
P13				<u>60</u>	<u>87</u>		
P14				<u>65</u>	<u>90</u>		
P15				<u>70</u>	<u>93</u>		
P16				<u>75</u>	<u>95</u>		
P17				<u>80</u>	<u>97</u>		
P18				<u>85</u>	<u>99</u>		
P19				<u>89</u>	<u>101</u>		
P20							

Rains & Williamson Oil Co.
Chaddick #1

TKT-8420
Test #2



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2300	PSI
(B) First Initial Flow Pressure	54	PSI
(C) First Final Flow Pressure	116	PSI
(D) Initial Closed-in Pressure	1182	PSI
(E) Second Initial Flow Pressure	145	PSI
(F) Second Final Flow Pressure	294	PSI
(G) Final Closed-in Pressure	1149	PSI
(H) Final Hydrostatic Mud	2296	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Swift 3-7903

Company Rains & Williamson Oil Company Lease & Well No. Chaddick #1
 Elevation ---- Formation Mississippi Ticket Number 8420
 Date May 20, 1967 Sec. 31 Twp. 20s Range 20w County Pawnee State Kansas
 Test Approved by Tom Wesselowski Western Representative Dean Blagrave

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 4375' to 4382' Total Depth 4382'
 Size Main Hole 7 7/8 Rat Hole none Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. Damaged _____ Yes No
 Packer Depth 4370 Ft. Size 6 3/4 Packer Depth 4375 Ft. Size 6 3/4
 Straddle _____ Yes No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____

Packer Depth _____ Ft. Size _____
 Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 7 Ft. Size 5 1/2 OD

RECORDERS Depth 4 364 Ft. Clock No. 6892 Depth 4378 Ft. Clock No. 6774
 Top Make Amerada Cap. 4150 No. 2606 Inside _____ Outside _____ Bottom Make Amerada Cap. 4300 No. 1567 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 8:50 A M
 Tool Open I.F.P. From 8:55A M to 9:25 M Hr. 30 Min. From (B) 54 P.S.I. To (C) 116 P.S.I.
 Tool Closed I.C.I.P. From 9:25 M. to 10:10 M. Hr. 45 Min. (D) 1182 P.S.I.
 Tool Open F.F.P. From 10:10 M. to 11:40A M. 1 Hr. 30 Min. From (E) 145 P.S.I. To (F) 294 P.S.I.
 Tool Closed F.C.I.P. From 11:40A M. to 12:25P M. Hr. 45 Min. (G) 1149 P.S.I.
 Initial Hydrostatic Pressure (A) 2300 P.S.I. Final Hydrostatic Pressure (H) 2296 P.S.I.

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

BLOW Good throughout Bottom Choke Size 3/4 In.

Did Well Flow Yes No _____ Recovery Total Ft. 350' oil cut mud; 320' muddy oil; 180' clean oil; 130' muddy salt water (665"total); 1795' gas in pipe Mud

Reversed Out _____ Yes No _____ Mud Type starch Viscosity 45 Weight 9.8 Maximum Temp. 125 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____

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

Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 940 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 31 ft.

Remarks 37° gravity corrected.

