

This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1706		PSI
(B) First Initial Flow Pressure .....	72		PSI
(C) First Final Flow Pressure .....	103		PSI
(D) Initial Closed-in Pressure .....	1153		PSI
(E) Second Initial Flow Pressure .....	103		PSI
(F) Second Final Flow Pressure .....	176		PSI
(G) Final Closed-in Pressure .....	1092		PSI
(H) Final Hydrostatic Mud .....	1645		PSI



Home Office: Wichita, Kansas 67201

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(316) 262-5861

Company Rains & Williamson Oil Company, Inc. Lease & Well No. L. C. Trapp #1  
 Elevation 1629 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 12596  
 Date 10/3/81 Sec. 8 Twp. 12S Range 13W County Russell State Kansas  
 Test Approved by Mike D Engelbrecht Western Representative Glenn Van Steenburgh

Formation Test No. 2 Interval Tested from 2916 ft. to 2947 ft. Total Depth 3390 ft.  
 Packer Depth 2911 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.  
 Packer Depth 2916 ft. Size 6 5/8 in. Packer Depth 2947 ft. Size 6 5/8 in.  
 Depth of Selective Zone Set 2947

Top Recorder Depth (Inside) 2926 ft. Recorder Number 13401 Cap. 4000  
 Bottom Recorder Depth (Outside) 2929 ft. Recorder Number 3659 Cap. 4000  
 Below Straddle Recorder Depth 2960 ft. Recorder Number - Cap. -

Drilling Contractor Rains & Williamson Rig #9 Drill Collar Length 59 I. D. 2.2 in.  
 Mud Type Starch Viscosity 47 Weight Pipe Length - I. D. - in.  
 Weight 10.1 Water Loss 11.6 cc. Drill Pipe Length 2827 I. D. 3.8 in.  
 Chlorides 40,000 P.P.M. Test Tool Length 30 ft. Tool Size 4 1/2 in.  
 Jars: Make WTC Serial Number 415 Anchor Length 31 ft. Size 5 1/2 in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Initial flow period good blow building to strong blow in 9 minutes and holding steady.  
Final flow period good blow building to strong blow in 13 minutes.

Recovered 650 ft. of muddy water with very slight trace of oil specks.  
 Recovered - ft. of Chlorides top 55,000 PPM  
 Recovered - ft. of bottom 76,000 PPM  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: \_\_\_\_\_

Time Set Packer(s) 2:58 A.M. Time Started Off Bottom 5:28 P.M. Maximum Temperature 115  
 Initial Hydrostatic Pressure ..... (A) 1652 P.S.I.  
 Initial Flow Period ..... Minutes 25 (B) 110 P.S.I. to (C) 144 P.S.I.  
 Initial Closed In Period ..... Minutes 33 (D) 1079 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 200 P.S.I. to (F) 335 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 1032 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1622 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10/3/81

Test Ticket No. 12596

Recorder No. 13401

Capacity 4000

Location 2926 Ft.

Clock No. -

Elevation 1629 Kelly Bushing

Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1652</u>	P.S.I.	<u>2:58P</u>	<u>M</u>
B First Initial Flow Pressure	<u>110</u>	P.S.I.	<u>30</u>	<u>Mins. 25</u> Mins.
C First Final Flow Pressure	<u>144</u>	P.S.I.	<u>30</u>	<u>Mins. 33</u> Mins.
D Initial Closed-in Pressure	<u>1079</u>	P.S.I.	<u>60</u>	<u>Mins. 60</u> Mins.
E Second Initial Flow Pressure	<u>200</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u> Mins.
F Second Final Flow Pressure	<u>335</u>	P.S.I.		
G Final Closed-in Pressure	<u>1032</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1622</u>	P.S.I.		

PRESSURE BREAKDOWN

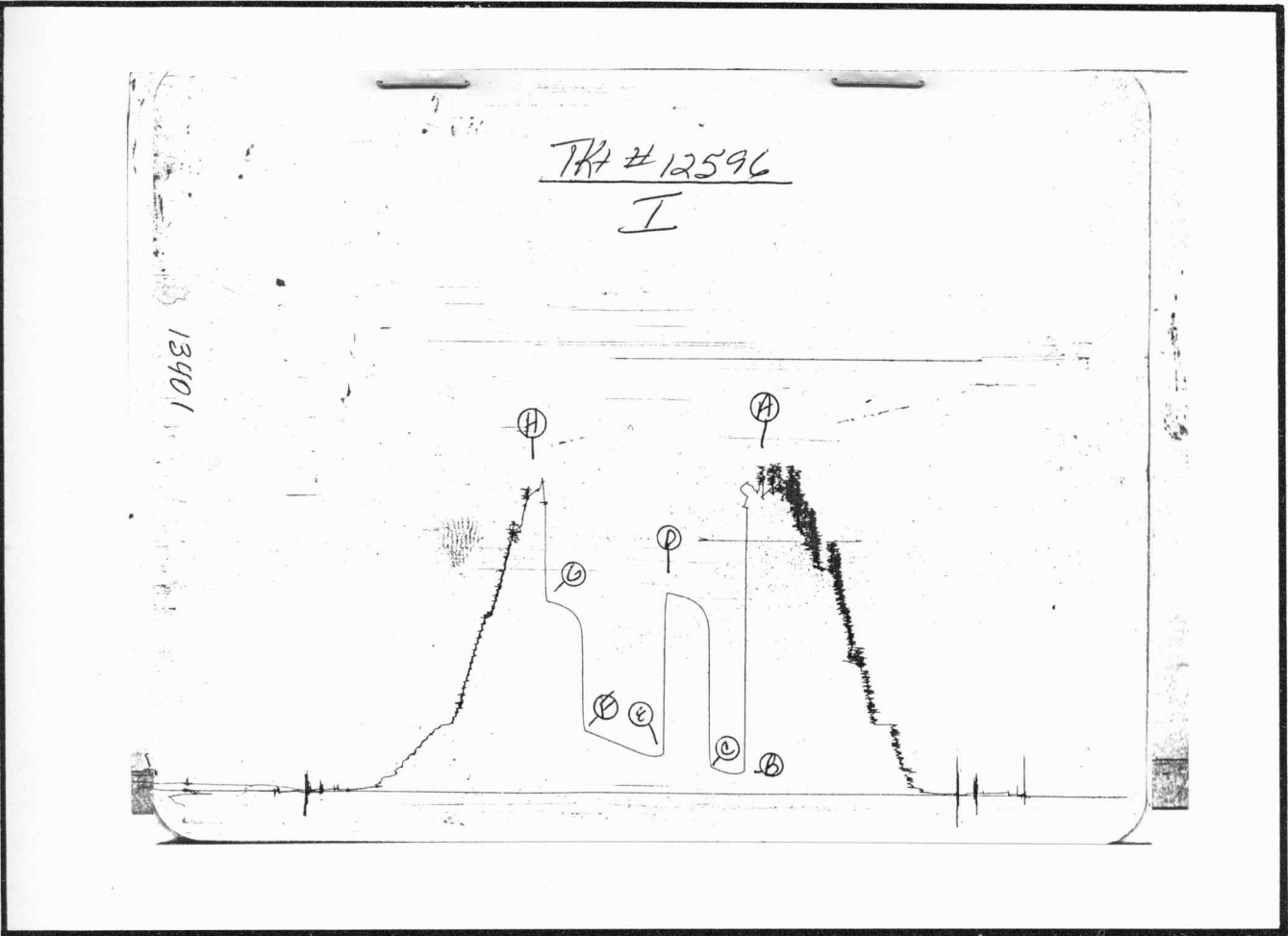
First Flow Pressure  
Breakdown: 5 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Initial Shut-In  
Breakdown: 11 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Second Flow Pressure  
Breakdown: 12 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Final Shut-In  
Breakdown: 10 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	<u>0</u>	<u>110</u>		<u>0</u>	<u>144</u>		<u>0</u>	<u>335</u>
P 2	<u>5</u>	<u>110</u>		<u>3</u>	<u>934</u>		<u>3</u>	<u>884</u>
P 3	<u>10</u>	<u>110</u>		<u>6</u>	<u>986</u>		<u>6</u>	<u>940</u>
P 4	<u>15</u>	<u>117</u>		<u>9</u>	<u>1012</u>		<u>9</u>	<u>968</u>
P 5	<u>20</u>	<u>130</u>		<u>12</u>	<u>1030</u>		<u>12</u>	<u>986</u>
P 6	<u>25</u>	<u>144</u>		<u>15</u>	<u>1042</u>		<u>15</u>	<u>998</u>
P 7				<u>18</u>	<u>1052</u>		<u>18</u>	<u>1008</u>
P 8				<u>21</u>	<u>1060</u>		<u>21</u>	<u>1016</u>
P 9				<u>24</u>	<u>1066</u>		<u>24</u>	<u>1024</u>
P10				<u>27</u>	<u>1071</u>		<u>27</u>	<u>1028</u>
P11				<u>30</u>	<u>1075</u>		<u>30</u>	<u>1032</u>
P12				<u>33</u>	<u>1079</u>			
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1662	1652	PSI
(B) First Initial Flow Pressure .....	113	110	PSI
(C) First Final Flow Pressure .....	148	144	PSI
(D) Initial Closed-in Pressure .....	1083	1079	PSI
(E) Second Initial Flow Pressure .....	199	200	PSI
(F) Second Final Flow Pressure .....	335	335	PSI
(G) Final Closed-in Pressure .....	1037	1032	PSI
(H) Final Hydrostatic Mud .....	1622	1622	PSI