



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Rains & Williamson Oil Company, Inc. Lease & Well No. Buerki #4
Elevation 1379 Kelly Bushing Mississippi Formation Mississippi Effective Pay -- Ft. Ticket No. 1970
Date 2/25/79 Sec. 2 Twp 28S Range 2W County Sedgwick State Kansas
Test Approved by Neil H. Sikes Western Representative Norman Allen
Formation Test No. 1 Interval Tested from 3476' ft. to 3528' ft. Total Depth 3528' ft.
Packer Depth 3476 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3471 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3495 ft. Recorder Number 1564 Cap. 3150
Bottom Recorder Depth (Outside) 3492 ft. Recorder Number 1562 Cap. 3150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Brandt Drilling Company Drill Collar Length 370 I. D. 2 1/4 in.
Mud Type starch Viscosity 41 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 8 cc. Drill Pipe Length 3086 I. D. 3.8 in.
Chlorides 5,800 P.P.M. Test Tool Length 72' in. Tool Size - in.
Jars: Make -- Serial Number - Anchor Length 52' ft. Size 4 1/2 OD & DC 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: Weak ten minutes.

Recovered 15 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 4:00 A.M. P.M. Time Started Off Bottom 6:00 -A.M. P.M. Maximum Temperature 112
Initial Hydrostatic Pressure (A) 1731 P.S.I.
Initial Flow Period Minutes 30 (B) 43 P.S.I. to (C) 42 P.S.I.
Initial Closed In Period Minutes 30 (D) 815 P.S.I.
Final Flow Period Minutes 30 (E) 51 P.S.I. to (F) 48 P.S.I.
Final Closed In Period Minutes 30 (G) 424 P.S.I.
Final Hydrostatic Pressure (H) 1656 P.S.I.

WESTERN TESTING CO., INC.

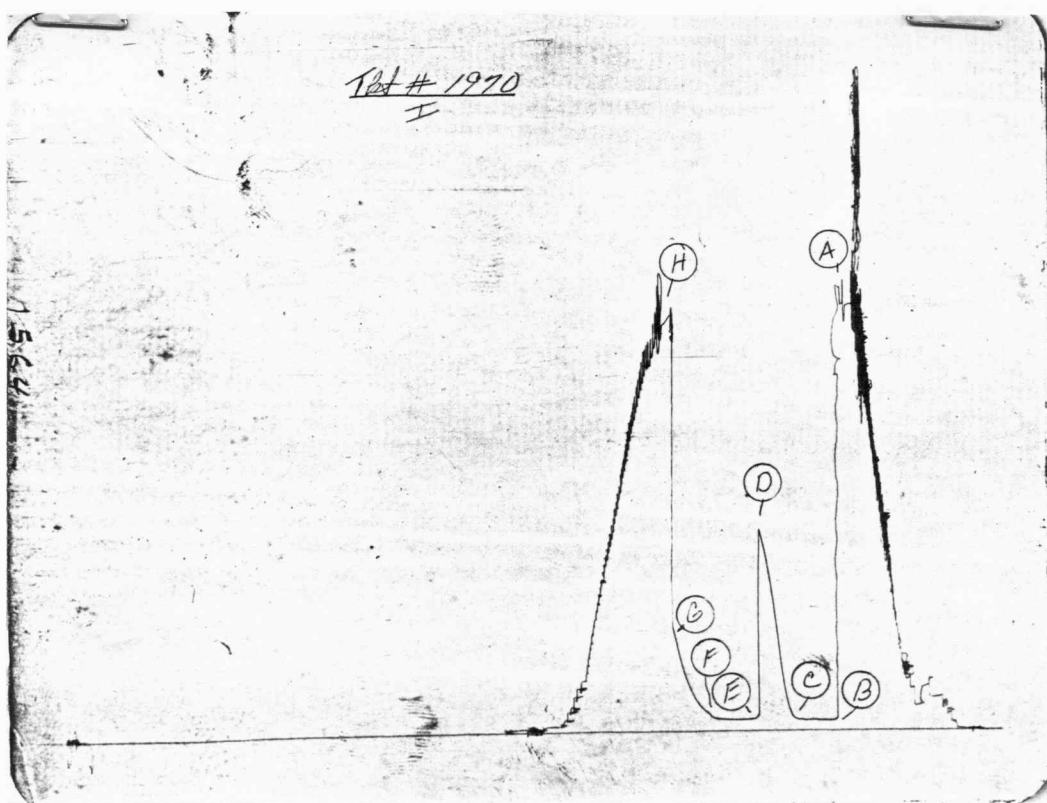
Pressure Data

Date 2/25/79 Test Ticket No. 1970
 Recorder No. 1564 Capacity 3150 Location 3495 Ft.
 Clock No. -- Elevation 1379 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1731</u> P.S.I.	Open Tool	<u>4:00P</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>42</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>815</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>48</u> P.S.I.			
G Final Closed-in Pressure	<u>424</u> P.S.I.			
H Final Hydrostatic Mud	<u>1656</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>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>43</u>	<u>0</u>	<u>42</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>39</u>	<u>3</u>	<u>65</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>53</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>121</u>	<u>10</u>	<u>43</u>	<u>6</u>	<u>65</u>
P 4 <u>15</u>	<u>42</u>	<u>9</u>	<u>211</u>	<u>15</u>	<u>43</u>	<u>9</u>	<u>78</u>
P 5 <u>20</u>	<u>42</u>	<u>12</u>	<u>313</u>	<u>20</u>	<u>45</u>	<u>12</u>	<u>91</u>
P 6 <u>25</u>	<u>42</u>	<u>15</u>	<u>428</u>	<u>25</u>	<u>47</u>	<u>15</u>	<u>116</u>
P 7 <u>30</u>	<u>42</u>	<u>18</u>	<u>539</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>144</u>
P 8		<u>21</u>	<u>653</u>			<u>21</u>	<u>198</u>
P 9		<u>24</u>	<u>745</u>			<u>24</u>	<u>221</u>
P10		<u>27</u>	<u>815</u>			<u>27</u>	<u>282</u>
P11						<u>30</u>	<u>424</u>
P12							
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	1710	1731	PSI
(B) First Initial Flow Pressure	38	43	PSI
(C) First Final Flow Pressure	38	42	PSI
(D) Initial Closed-in Pressure	810	815	PSI
(E) Second Initial Flow Pressure	46	51	PSI
(F) Second Final Flow Pressure	46	48	PSI
(G) Final Closed-in Pressure	420	424	PSI
(H) Final Hydrostatic Mud	1685	1656	PSI