



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 10359

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

#4 GIFFORD

Elevation 1288 KB

Formation Miss

Eff. Pay Ft.

District Augusta

Date 10-11-81

Customer Order No.

COMPANY NAME Rains & Williamson Oil Company, Inc.

ADDRESS 435 Page Ct. 220 W Douglas Wichita, Ks. 67202

LEASE AND WELL NO. Gifford #4 COUNTY Sumner STATE KS Sec. 22 Twp. 31 Rge. 1 E

Mail Invoice To GIFFORD #4 Co. Name Same Address Same No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 3508 ft. to 3535 ft. Total Depth 3535 ft.

Packer Depth 3500 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3508 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) AP 3494 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3531 ft. Recorder Number 5666 Cap. 3950

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor RRA #1 Drill Collar Length 399 I. D. 2 1/4 in.

Mud Type Chem Viscosity 60 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 3092 I. D. 3.8 in.

Chlorides 3500 P.P.M. Test Tool Length 26 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number Anchor Length 27 ft. Size 4 1/2 in.

Did Well Flow? Yes 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 in.

Blow: Strong thru out Gas to surface 89 mins. To Small To measure

Recovered 120 ft. of Frothy Muddy Oil Emulsion

Recovered 210 ft. of Muddy Oil

Recovered 30 ft. of Oily Muddy water

78,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 5:30 P.M. Time Pick Up Tool 7:30 P.M. Time Off Location 5:30 A.M.

Time Set Packer(s) 10:30 P.M. Time Started Off Bottom 1:30 P.M. Maximum Temperature 110

Initial Hydrostatic Pressure (A) 1725 P.S.I.

Initial Flow Period Minutes 30 (B) 70 P.S.I. to (C) 90 P.S.I.

Initial Closed In Period Minutes 30 (D) 1025 P.S.I.

Final Flow Period Minutes 60 (E) 120 P.S.I. to (F) 155 P.S.I.

Final Closed In Period Minutes 60 (G) 1035 P.S.I.

Final Hydrostatic Pressure (H) 1725 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

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

Test Approved By H. Neane Jr.
Signature of Customer or his authorized representative

Western Representative Allen Edgington

OCT 15 1980

FIELD INVOICE

Open Hole Test	\$ 625.00
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$ 38.25
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
	\$ 663.25

WESTERN TESTING CO., INC.

Pressure Data

Date: 10-11 Recorder No. 5666 Capacity 3950 Test Ticket No. 10359
 Clock No. --- Elevation 1288 KB Location 3531 Fr ---
 Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1725</u> P.S.I.	Open Tool	<u>10:30 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>65</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>89</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1030</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>119</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>155</u> P.S.I.			
G Final Closed-in Pressure	<u>1040</u> P.S.I.			
H Final Hydrostatic Mud	<u>1725</u> P.S.I.			

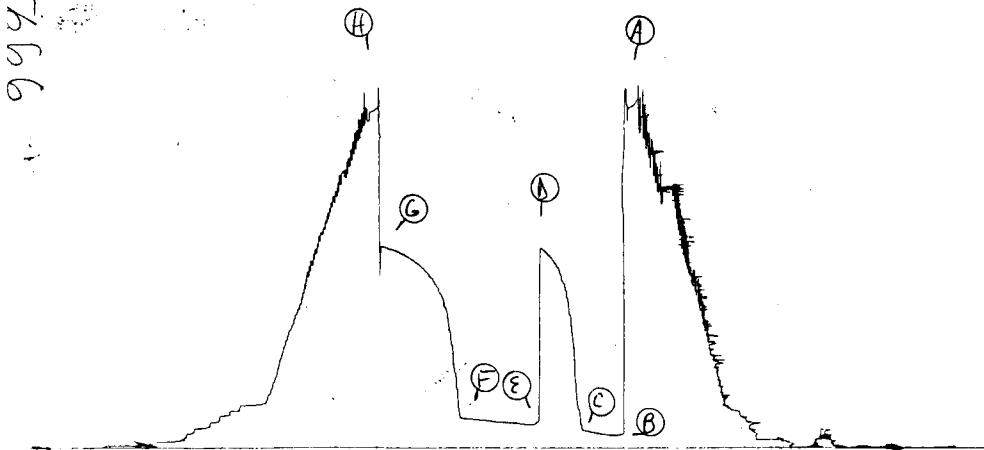
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>19</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 0	<u>65</u>	0	<u>89</u>	0	<u>119</u>	0	<u>155</u>
P 2 5	<u>65</u>	3	<u>216</u>	5	<u>119</u>	3	<u>386</u>
P 3 10	<u>65</u>	6	<u>532</u>	10	<u>119</u>	6	<u>554</u>
P 4 15	<u>69</u>	9	<u>685</u>	15	<u>126</u>	9	<u>695</u>
P 5 20	<u>76</u>	12	<u>823</u>	20	<u>129</u>	12	<u>769</u>
P 6 25	<u>82</u>	15	<u>892</u>	25	<u>132</u>	15	<u>821</u>
P 7 30	<u>89</u>	18	<u>938</u>	30	<u>134</u>	18	<u>851</u>
P 8 35		21	<u>970</u>	35	<u>137</u>	21	<u>881</u>
P 9 40		24	<u>996</u>	40	<u>143</u>	24	<u>910</u>
P10 45		27	<u>1018</u>	45	<u>146</u>	27	<u>930</u>
P11 50		30	<u>1030</u>	50	<u>150</u>	30	<u>950</u>
P12 53		33		55	<u>153</u>	33	<u>966</u>
P13 60		36		60	<u>155</u>	36	<u>980</u>
P14		39		65		39	<u>992</u>
P15		42		70		42	<u>1001</u>
P16		45		75		45	<u>1012</u>
P17		48		80		48	<u>1021</u>
P18		51		85		51	<u>1028</u>
P19		54		90		54	<u>1036</u>
P20		57				57	<u>1040</u>
		60					<u>60</u>

TKH # 10359

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5666



Company Rains & Williamson Oil Company, Inc. Lease & Well No. Gifford #4
Elevation 1288 Kelly Bushing Location Mississippi Effective Pay - Ft. Ticket No. 10359
Date 10/11/81 Sec. 22 Twp. 31S Range 1E County Sumner State Kansas
Test Approved by H Deane Jirrels Western Representative Allen Edgington
Formation Test No. 1 Interval Tested from 3508 ft. to 3535 ft. Total Depth 3535 ft.
Packer Depth 3500 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3508 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) AP 3494 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 3531 ft. Recorder Number 5666 Cap. 3950
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor RRA #1 Drill Collar Length 399 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 60 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 3092 I. D. 3.8 in.
Chlorides 3500 P.P.M. Test Tool Length 26 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 27 ft. Size 4 1/2 in.
Did Well Flow? Yes 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: Strong throughout test. Gas to surface in 89 minutes. Too small to measure.

Recovered 120 ft. of froggy muddy oil emulsion
Recovered 210 ft. of muddy oil
Recovered 30 ft. of oily muddy water Chlorides 78,000 PPM
Recovered - ft. of -
Recovered - ft. of -

Remarks: Read outside chart.

Time Set Packer(s) 10:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:30 ~~A.M.~~ P.M. Maximum Temperature 110
Initial Hydrostatic Pressure (A) 1725 P.S.I.
Initial Flow Period Minutes 30 (B) 65 P.S.I. to (C) 89 P.S.I.
Initial Closed In Period Minutes 30 (D) 1030 P.S.I.
Final Flow Period Minutes 60 (E) 119 P.S.I. to (F) 155 P.S.I.
Final Closed In Period Minutes 57 (G) 1040 P.S.I.
Final Hydrostatic Pressure (H) 1725 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10/11/81 Test Ticket No. 10359

Recorder No. 5666 Capacity 3950 Location 3531 Ft.

Clock No. - Elevation 1288 Kelly Bushing Well Temperature 110 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1725</u> P.S.I.	<u>10:30P</u> M	
B First Initial Flow Pressure	<u>65</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>89</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1030</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>119</u> P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>155</u> P.S.I.		
G Final Closed-in Pressure	<u>1040</u> P.S.I.		
H Final Hydrostatic Mud	<u>1725</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>12</u> Inc.		Breakdown: <u>19</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>65</u>	<u>0</u>	<u>89</u>	<u>0</u>	<u>119</u>	<u>0</u>	<u>155</u>
P 2 <u>5</u>	<u>65</u>	<u>3</u>	<u>216</u>	<u>5</u>	<u>119</u>	<u>3</u>	<u>386</u>
P 3 <u>10</u>	<u>65</u>	<u>6</u>	<u>532</u>	<u>10</u>	<u>119</u>	<u>6</u>	<u>554</u>
P 4 <u>15</u>	<u>69</u>	<u>9</u>	<u>685</u>	<u>15</u>	<u>126</u>	<u>9</u>	<u>695</u>
P 5 <u>20</u>	<u>76</u>	<u>12</u>	<u>823</u>	<u>20</u>	<u>129</u>	<u>12</u>	<u>769</u>
P 6 <u>25</u>	<u>82</u>	<u>15</u>	<u>892</u>	<u>25</u>	<u>132</u>	<u>15</u>	<u>821</u>
P 7 <u>30</u>	<u>89</u>	<u>18</u>	<u>938</u>	<u>30</u>	<u>134</u>	<u>18</u>	<u>851</u>
P 8		<u>21</u>	<u>970</u>	<u>35</u>	<u>137</u>	<u>21</u>	<u>881</u>
P 9		<u>24</u>	<u>996</u>	<u>40</u>	<u>143</u>	<u>24</u>	<u>910</u>
P10		<u>27</u>	<u>1018</u>	<u>45</u>	<u>146</u>	<u>27</u>	<u>930</u>
P11		<u>30</u>	<u>1030</u>	<u>50</u>	<u>150</u>	<u>30</u>	<u>950</u>
P12				<u>55</u>	<u>153</u>	<u>33</u>	<u>966</u>
P13				<u>60</u>	<u>155</u>	<u>36</u>	<u>980</u>
P14						<u>39</u>	<u>992</u>
P15						<u>42</u>	<u>1001</u>
P16						<u>45</u>	<u>1012</u>
P17						<u>48</u>	<u>1021</u>
P18						<u>51</u>	<u>1028</u>
P19						<u>54</u>	<u>1036</u>
P20						<u>57</u>	<u>1040</u>