



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 9865

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

WICHITA, KANSAS 67201

Elevation

Formation

Lansing

Eff. Pay

District

Great Bend

Date

6-20-85

Customer Order No.

COMPANY NAME

Rains & Williamson Oil Co. Inc

ADDRESS

435 Page Court, 220 W. Douglas, Wichita, Ks. 67203

LEASE AND WELL NO.

#1 Zweifel "A" COUNTY Russell STATE Ks. Sec. 1 Twp. 12s Rge. 14w

Mail Invoice To

#1 Zweifel "A" As Above

No. Copies Requested

5

Mail Charts To

Co. Name

"

Address

"

No. Copies Requested

5

Formation Test No.

1

Interval Tested From

2974

ft. to

3023

ft.

Total Depth

3023

ft.

Packer Depth

2969

ft.

Size

6 3/8

in.

Packer Depth

—

ft.

Size

—

in.

Packer Depth

2974

ft.

Size

6 5/8

in.

Packer Depth

—

ft.

Size

—

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

3013

ft.

Recorder Number

1563

Cap.

4200

Bottom Recorder Depth (Outside)

3016

ft.

Recorder Number

13520

Cap.

4200

Below Straddle Recorder Depth

—

ft.

Recorder Number

—

Cap.

—

Drilling Contractor

R & W

Rig 9

Drill Collar Length

120

I. D.

2.7

in.

Mud Type

Sjarcin

Viscosity

47

Weight Pipe Length

—

I. D.

—

in.

Weight

10.0

Water Loss

15.2

cc.

Drill Pipe Length

2831

I. D.

3.8

in.

Chlorides

50,000

P.P.M.

Test Tool Length

23

ft.

Tool Size

5.200

in.

Jars: Make

—

Serial Number

—

Anchor Length

49

ft.

Size

5.200

in.

Did Well Flow?

NO

Reversed Out

NO

Surface Choke Size

3/4

in.

Bottom Choke Size

3/4

in.

Main Hole Size

7 3/8

in.

Tool Joint Size

4 1/2 x 1 1/4

in.

Blow:

Very Weak, Decreasing Throughout First F.P. No Blow.

Flushed Tool. Still No Blow on 2nd Opening.

Recovered

20

ft. of

Mud

Few SPTS OF Oil

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Chlorides

P.P.M. Sample Jars used

Remarks:

RECEIVED
JUN 27 1985

Time On Location

12:15

A.M.

Time Pick Up Tool

2:45

A.M.

Time Off Location

8:00

A.M.

Time Set Packer(s)

3:58

A.M.

Time Started Off Bottom

6:00

A.M.

Maximum Temperature

97

Initial Hydrostatic Pressure

(A) 1702

P.S.I.

Initial Flow Period

Minutes

30

(B)

64

P.S.I. to (C)

64

P.S.I.

Initial Closed In Period

Minutes

30

(D)

1069

P.S.I.

Final Flow Period

Minutes

30

(E)

75

P.S.I. to (F)

75

P.S.I.

Final Closed In Period

Minutes

30

(G)

1048

P.S.I.

Final Hydrostatic Pressure

(H) 1691

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 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By

Jerry D. McLeod
Signature of Customer or his authorized representative

Western Representative

Dennis Wronka Thank you
2375

FIELD INVOICE

Open Hole Test

\$ 550.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

\$

Fluid Sampler

\$

Extra Charts

\$

Insurance

\$

Telecopier

\$

TOTAL

\$ 615.00

WESTERN TESTING CO., INC.

Pressure Data

Date 6-20-85

Test Ticket No. 9865

Recorder No. 1563

Capacity 4200

Location _____ Ft

Clock No. _____ Elevation _____

Well Temperature _____ °F

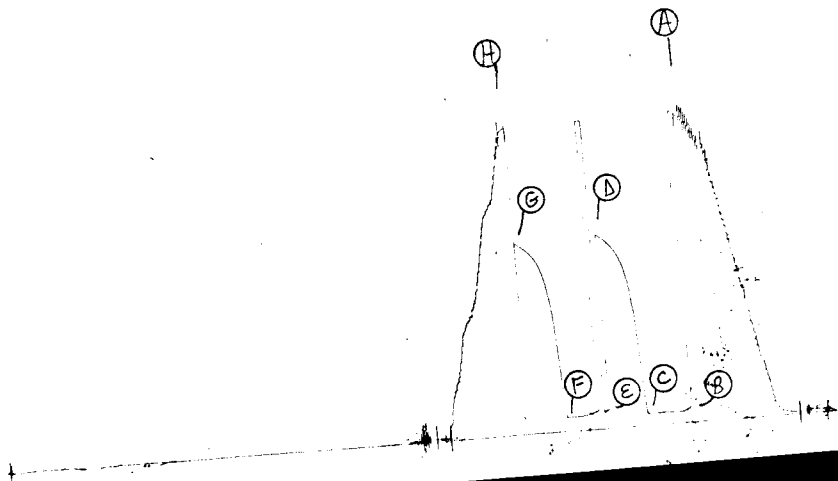
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1714</u>	P.S.I.		
B First Initial Flow Pressure	<u>64</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>67</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1070</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>95</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>78</u>	P.S.I.		
G Final Closed-in Pressure	<u>1054</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1671</u>	P.S.I.		

* flushed tool

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>11</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>64</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>95</u>	<u>0</u>	<u>78</u>
P 2 <u>5</u>	<u>↓</u>	<u>3</u>	<u>373</u>	<u>5</u>	* <u>95</u>	<u>3</u>	<u>420</u>
P 3 <u>10</u>	<u>64</u>	<u>6</u>	<u>640</u>	<u>10</u>	<u>98</u>	<u>6</u>	<u>668</u>
P 4 <u>15</u>	<u>66</u>	<u>9</u>	<u>806</u>	<u>15</u>	<u>86</u>	<u>9</u>	<u>798</u>
P 5 <u>20</u>	<u>67</u>	<u>12</u>	<u>891</u>	<u>20</u>	<u>80</u>	<u>12</u>	<u>885</u>
P 6 <u>25</u>	<u>↓</u>	<u>15</u>	<u>951</u>	<u>25</u>	<u>78</u>	<u>15</u>	<u>943</u>
P 7 <u>30</u>	<u>67</u>	<u>18</u>	<u>989</u>	<u>30</u>	<u>78</u>	<u>18</u>	<u>979</u>
P 8 <u>35</u>		<u>21</u>	<u>1017</u>	<u>35</u>		<u>21</u>	<u>1006</u>
P 9 <u>40</u>		<u>24</u>	<u>1039</u>	<u>40</u>		<u>24</u>	<u>1026</u>
P10 <u>45</u>		<u>27</u>	<u>1056</u>	<u>45</u>		<u>27</u>	<u>1042</u>
P11 <u>50</u>		<u>30</u>	<u>1070</u>	<u>50</u>		<u>30</u>	<u>1054</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14 <u>65</u>		<u>39</u>		<u>65</u>		<u>39</u>	
P15 <u>70</u>		<u>42</u>		<u>70</u>		<u>42</u>	
P16 <u>75</u>		<u>45</u>		<u>75</u>		<u>45</u>	
P17 <u>80</u>		<u>48</u>		<u>80</u>		<u>48</u>	
P18 <u>85</u>		<u>51</u>		<u>85</u>		<u>51</u>	
P19 <u>90</u>		<u>54</u>		<u>90</u>		<u>54</u>	
P20 <u>95</u>		<u>57</u>		<u>95</u>		<u>57</u>	
100		60		100		60	

TKT # 9865
I



1563

TKT # 9865



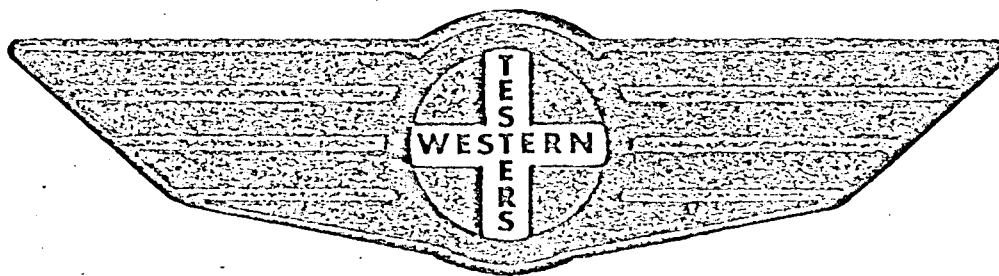
13520



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6-20-85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: LANSING
SECTION: 1 TOWNSHIP: 12S
RANGE: 14W COUNTY: RUSSELL STATE: KANSAS
GAUGE SN #1563 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 2974 FT TO: 3023 FT TOTAL DEPTH: 3023 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2969 FT SIZE: 6 5/8 IN PACKER DEPTH: 2974 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: R&W DRILLING RIG #9
MUD TYPE: STARCH VISCOSITY: 47
WEIGHT: 10.0 WATER LOSS (CC): 15.2
CHLORIDES (P.P.M.): 50000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 120 FT I.D.: 2.7 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2831 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 23 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 49 FT SIZE: 5 1/2 OD IN
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 VERY WEAK
DECREASING BLOW THROUGHOUT.
FINAL FLOW PERIOD NO BLOW;
FLUSHED TOOL; STILL NO BLOW.

RECOVERED: 20 FT OF: MUD (FEW SPOTS OF OIL).
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 3:58 AM
WELL TEMPERATURE: 97 °F

TIME STARTED OFF BOTTOM: 6:00 AM

INITIAL HYDROSTATIC PRESSURE:		(A) 1714	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 64	PSI TO (C) 67	PSI
INITIAL CLOSED IN PERIOD	MIN: 30	(D) 1070	PSI	
FINAL FLOW PERIOD	MIN: 30	(E) 95	PSI TO (F) 78	PSI
FINAL CLOSED IN PERIOD	MIN: 30	(G) 1054	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 1671	PSI	

