WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 6506

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Elevation 1659 K.B (Kelly Bushing) Formation LANSING Eff. Pay ____ Ft.

District GREAT BEND Date 7/31/80 Customer Order No. ____

COMPANY NAME RAINS & Williamson Oil Co Inc.

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

LEASE AND WELL NO. ADAMEK #2 COUNTY ELLSWORTH STATE KS Sec. 33 Twp. 14S Rge. 9W

Mail Invoice To Adamek #2 SAME AS ABOVE No. Copies Requested 5
Co. Name Address

Mail Charts To SAME AS ABOVE No. Copies Requested 5
Address

Formation Test No. 1 Interval Tested from 2809 ft. to 2837 ft. Total Depth 2837 ft.

Packer Depth 2804 ft. Size 6 3/4 in. Packer Depth 2809 ft. Size 6 3/4 in.

Packer Depth ____ ft. Size ____ in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2826 ft. Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 2829 ft. Recorder Number 6233 Cap. 4000

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____

Drilling Contractor RAINS & Williams Rig #9

Mud Type STARCH SALT CLAY Viscosity 37

Weight 10.1 Water Loss 14.0 cc.

Chlorides 90,000 P.P.M.

Jars: Make ____ Serial Number ____

Did Well Flow? NO Reversed Out NO

Drill Collar Length ____ I. D. ____ in.

Weight Pipe Length 480' I. D. 2.7 in.

Drill Pipe Length 2308 I. D. 3.8 in.

Test Tool Length 21' ft. Tool Size 4 1/2 in.

Anchor Length 28' ft. Size 5 1/2 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 in.

Initial Flow period

Blow: 1ST - WEAK BUBBLES TO STRONG BLOW 1" TO 15" IN 4 MIN.

Final Flow period STRONG BLOW GAS TO SURFACE IN 10 MIN

Recovered 40 ft. of O & GCM (Gas Cut Mud) 35% MUD 50% GAS 5% oil 10% water Chlorides - 23,000

Recovered 370 ft. of Heavy FROTHY GASSY oil 71% oil 7% Water 7% MUD 15% GAS - 21,000

Recovered 180 ft. of Fair Gassy oil 77% oil 13% Water 10% GAS CHLORIDES - 16,000

Recovered 60 ft. of O & GCW (Oil and Gas Cut Water) 7% oil 6% MUD 86% Water 1% GAS

Recovered ____ ft. of ____

Remarks:

ARRIVAL 6:30 A.M 7/31/80

Time Set Packer(s) 10:30 A.M. P.M. Time Started Off Bottom 1:30 A.M. P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure		(A)	1330	P.S.I.		
Initial Flow Period	Minutes 30	(B)	293	P.S.I. to (C)	246	P.S.I.
Initial Closed In Period	Minutes 30	(D)	983	P.S.I.		
Final Flow Period	Minutes 60	(E)	316	P.S.I. to (F)	422	P.S.I.
Final Closed In Period	Minutes 60	(G)	995	P.S.I.		
Final Hydrostatic Pressure		(H)	1495	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 Stephen M. Freidler
Signature of Customer or his authorized representative

Stephen M. Freidler Thank you

Western Representative Darrell Clapham

FIELD INVOICE

Open Hole Test	$ 550.00
Misrun	$ ____
Straddle Test	$ ____
Jars	$ ____
Selective Zone	$ ____
Safety Joint	$ ____
Standby	$ ____
Evaluation	$ ____
Extra Packer	$ ____
Circ. Sub.	$ 98.75
Mileage 65	$ ____
Fluid Sampler	$ ____
Extra Charts	$ ____
TOTAL	$ 598.75

Received

Phone 316 838-0601

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No. 1611

Date 7/31/80 Ticket 6506 Company Rains + Williamson Oil Co Inc

Well Name and No. Adamek #2 Dst No. 1 Interval Tested 2809-2837

County Ellsworth State KS Sec. 33 Twp. 14S Rg. 9W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
SECOND FLOW					
Tool open at 11:30 A.M. Gas to surface at 11:40 A.M.					
5 min	15# H_2O	1/8"	—	—	2,050 C.F.P.D.
10 "	34# H_2O	1/8"	—	—	3,080 " "
15 "	5# H_2O	1/2"	—	—	14,100 " "
20 "	34# H_2O	1/4"	—	—	9,790 " "
25 "	7# H_2O	1/2"	—	—	16,700 " "
30 "	Could not gauge				
35 "	20# H_2O	1/8"	—	—	2,360 C.F.P.D.
40 "	24# H_2O	1/8"	—	—	2,590 C.F.P.D
45 "	30# H_2O	1/8"	—	—	2890 " "
50 "	4# H_2O	1/4"	—	—	3370 " "

GAS BOTTLE

Serial No. #80 Date Bottle Filled 7/31/80 Date to be Invoiced 8/31/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Rains + Williamson Oil Co

Authorized by Stephen M. Kredler

FORM WTC 9

WESTERN TESTING CO., INC.

Pressure Data

Date 7-31 Test Ticket No. 6506

Recorder No. 10266 Capacity 4650 Location 2826 Ft.

Clock No. — Elevation 1659 KB Well Temperature 108 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1581 P.S.I.	Open Tool	10:30 AM	
B	First Initial Flow Pressure	326 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C	First Final Flow Pressure	272 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1028 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	340 P.S.I.	Final Closed-in Pressure	60 Mins.	51 Mins.
F	Second Final Flow Pressure	448 P.S.I.			
G	Final Closed-in Pressure	1028 P.S.I.			
H	Final Hydrostatic Mud	1521 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: — Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	326
P 2	5	323
P 3	10	293
P 4	15	272
P 5	20	272
P 6	25	272
P 7	30	
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In

Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	272
3	955
6	979
9	992
12	1004
15	1010
18	1016
21	1021
24	1024
27	1028
30	1028
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Second Flow Pressure

Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	340
5	326
10	323
15	331
20	350
25	372
30	392
35	407
40	422
45	437
50	446
55	448
60	
65	
70	
75	
80	
85	
90	

Final Shut-In

Breakdown: 17 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	448
3	951
6	968
9	891
12	992
15	998
18	1006
21	1009
24	1017
27	1015
30	1018
33	1020
36	1022
39	1024
42	1026
45	1028
48	1028
51	1028
54	
57	
60	

JKH 6506

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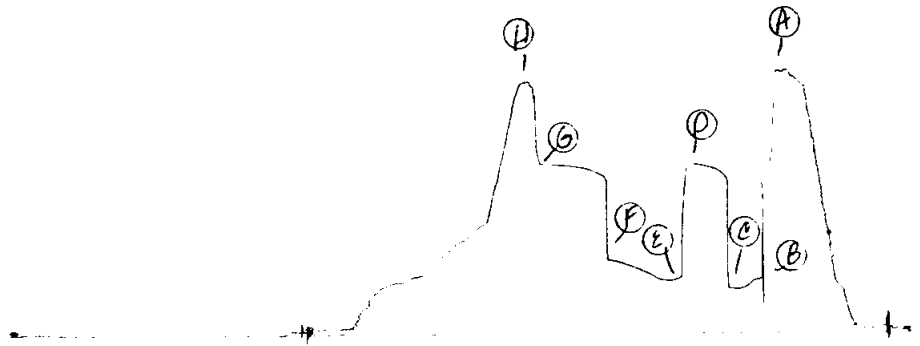

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Adamek #2

Elevation 1659 Kelly Bushing Formation Lansing Effective Pay ---- Ft. Ticket No. 6506

Date 7/31/80 Sec. 33 Twp. 14S Range 9W County Ellsworth State Kansas

Test Approved by Stephen M. Kreidler Western Representative Darrell Claphan

Formation Test No. 1 Interval Tested from 2809 ft. to 2837 ft. Total Depth 2837 ft.

Packer Depth 2804 ft. Size 6 3/4 in. Packer Depth 2809 ft. Size 6 3/4 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2826 ft. Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 2829 ft. Recorder Number 6233 Cap. 4000

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length - I. D. - in.

Mud Type srarch-salt-clay Viscosity 37 Weight Pipe Length 480 I. D. 2.7 in.

Weight 10.1 Water Loss 14.0 cc. Drill Pipe Length 2308 I. D. 3.8 in.

Chlorides 90,000 P.P.M. Test Tool Length 21 ft. Tool Size 4½ in.

Jars: Make - Serial Number - Anchor Length 28 ft. Size 5½ 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 4½ in.

Blow: Initial flow period weak blow building to strong blow one inch to fifteen inches in four minutes. Final flow period strong blow. Gas to surface in ten minutes. See attached sheet for gas measurements.

Recovered ft. of

Recovered 40 ft. of oil and gas cut mud (35% mud:50% gas;5% oil;10% water Chlorides 23,000 ppm

Recovered 370 ft. of heavy frothy gassy oil (71% oil;7% water;7% mud;15% gas Chlorides 21,000 ppm

Recovered 180 ft. of free gassy oil (77% oil;13% water;10% gas

Recovered 60 ft. of oil and gas cut water (7% oil;6% mud;86% water;1% gas Chlorides 16,000 ppm

Remarks:

Time Set Packer(s) 10:30 A.M. ~~P.M.~~ Time Started Off Bottom 1:30 ~~A.M.~~ P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure			(A) 1581	P.S.I.		
Initial Flow Period	Minutes 25	(B) 326	P.S.I. to	(C) 272	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 1028	P.S.I.			
Final Flow Period	Minutes 55	(E) 340	P.S.I. to	(F) 448	P.S.I.	
Final Closed In Period	Minutes 51	(G) 1028	P.S.I.			
Final Hydrostatic Pressure			(H) 1521	P.S.I.		

GAS FLOW REPORT

Date 7/31/80 Ticket 6506 Company Rains & Williamson Oil Co., Inc.

Well Name and No. Adamek #2 Dst No. 1 Interval Tested 2809'-2837'

County Ellsworth State Kansas Sec. 33 Twp. 14S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
			PRE FLOW			

Tool open at 11:30AM. **SECOND FLOW** Gas to surface at 11:40 AM

	5 min.	15" of water	1/8" orifice		2,050 CFPD
	10 min.	34" of water	1/8" orifice		3,080 CFPD
	15 min.	5" of water	1/2" orifice		14,100 CFPD
	20 min.	34" of water	1/4" orifice		9,790 CFPD
	25 min.	7" of water	1/2" orifice		16,700 CFPD
	30 min.	could not gauge			----
	35 min.	20" of water	1/8" orifice		2,360 CFPD
	40 min.	24" of water	1/8" orifice		2,590 CFPD
	45 min.	30" of water	1/8" orifice		2,890 CFPD
	50 min.	4" of water	1/4" orifice		3,370 CFPD

GAS BOTTLE

Serial No. #80 Date Bottle Filled 7/31/80 Date to be Invoiced 7/31/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Rains & Williamson Oil Co., Inc.

Stephen M. Kreidler

Authorized by _____

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Test Ticket No. 6506

Date 7/31/80 Capacity 4650 Location 2826 Ft.

Recorder No. 10266 Well Temperature 108 °F

Clock No. -- Elevation 1659 Kelly Bushing

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1581 P.S.I.	Open Tool	10:30A M	
B	First Initial Flow Pressure	326 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C	First Final Flow Pressure	272 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1028 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	340 P.S.I.	Final Closed-in Pressure	60 Mins.	51 Mins.
F	Second Final Flow Pressure	448 P.S.I.			
G	Final Closed-in Pressure	1028 P.S.I.			
H	Final Hydrostatic Mud	1521 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

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

Point Mins.	Press.
P 1 0	326
P 2 5	323
P 3 10	293
P 4 15	272
P 5 20	272
P 6 25	272
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In

Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	272
3	955
6	979
9	992
12	1004
15	1010
18	1016
21	1021
24	1026
27	1028
30	1028

Second Flow Pressure

Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	340
5	326
10	323
15	331
20	350
25	372
30	392
35	407
40	422
45	437
50	446
55	448

Final Shut-In

Breakdown: 17 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	448
3	951
6	968
9	891
12	992
15	998
18	1006
21	1009
24	1012
27	1015
30	1018
33	1020
36	1022
39	1024
42	1026
45	1028
48	1028
51	1028