



Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Company Rains & Williamson Oil Co., Inc.

Lease & Well No. Buerki #5

Elevation 1378 Kelly Bush. Formation Kansas City

Effective Pay - Ft. Ticket No. 3238

Date 9-3-79 Sec. 2 Twp. 28S Range 2W County Sedgwick

State Kansas

Test Approved by Tom Wesselowski

Western Representative Ron Emmons

Formation Test No. 1 Interval Tested from 3014 ft. to 3035 ft. Total Depth 3035 ft.

Packer Depth 3009 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3014 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3011 ft. Recorder Number 1562 Cap. 3200

Bottom Recorder Depth (Outside) 3014 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Rains & Williamson (#3)

Drill Collar Length 436 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 37

Weight Pipe Length 546 I. D. 2.7 in.

Weight 9.1 Water Loss 42.8 cc.

Drill Pipe Length 2011 I. D. 3.8 in.

Chlorides 5,400 P.P.M.

Test Tool Length 42 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number -

Anchor Length 15 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out -

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 FH in.

Blow: Just a few bubbles when tool opened, bubbles died, no blow throughout remainder of test.

Recovered 5 ft. of drilling mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:05 ^{A.M.}/_{P.M.} Time Started Off Bottom 6:05 ^{A.M.}/_{P.M.} Maximum Temperature 110

Initial Hydrostatic Pressure (A) 1492 P.S.I.

Initial Flow Period Minutes 30 (B) 22 P.S.I. to (C) 16 P.S.I.

Initial Closed In Period Minutes 30 (D) 22 P.S.I.

Final Flow Period Minutes 30 (E) 16 P.S.I. to (F) 16 P.S.I.

Final Closed In Period Minutes 30 (G) 16 P.S.I.

Final Hydrostatic Pressure (H) 1476 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-3-79

Test Ticket No. 3238

Recorder No. 1562 Capacity 3200 Location 3011 Ft.

Clock No. - Elevation 1378 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1492 P.S.I.	Open Tool	4:05A. M	
B First Initial Flow Pressure	22 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	16 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	22 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	16 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	16 P.S.I.			
G Final Closed-in Pressure	16 P.S.I.			
H Final Hydrostatic Mud	1476 P.S.I.			

PRESSURE BREAKDOWN

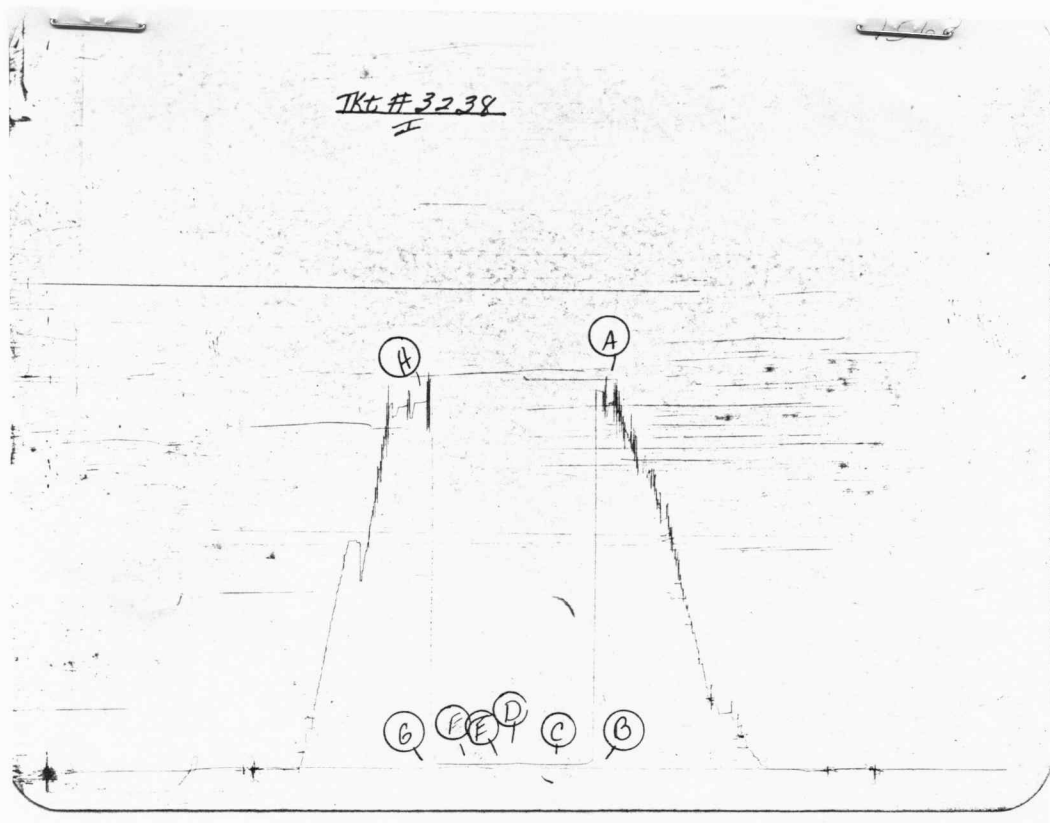
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Second Flow Pressure
Breakdown: 6 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.	Point Minutes	Press.	
P 1	0	22	0	16	0	16	0	16
P 2	5	19	3	16	5	16	3	16
P 3	10	16	6	16	10	16	6	16
P 4	15	16	9	16	15	16	9	16
P 5	20	16	12	16	20	16	12	16
P 6	25	16	15	16	25	16	15	16
P 7	30	16	18	17	30	16	18	16
P 8			21	19			21	16
P 9			24	20			24	16
P10			27	21			27	16
P11			30	22			30	16
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1516	1492	PSI
(B) First Initial Flow Pressure	15	22	PSI
(C) First Final Flow Pressure	15	16	PSI
(D) Initial Closed-in Pressure	23	22	PSI
(E) Second Initial Flow Pressure	15	16	PSI
(F) Second Final Flow Pressure	15	16	PSI
(G) Final Closed-in Pressure	23	16	PSI
(H) Final Hydrostatic Mud	1484	1476	PSI



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Company Rains & Williamson Oil Company, Inc.

Lease & Well No. Buerki #5

Elevation 1373 Ground Level Formation Mississippi

Effective Pay -- Ft. Ticket No. 3241

Date 9/5/79 Sec. 2 Twp 28S Range 2W

County Sedgwick State Kansas

Test Approved by Tom Wesselowski

Western Representative Ron Emmons

Formation Test No. 3 Interval Tested from 3495 ft. to 3501 ft. Total Depth 3501 ft.

Packer Depth 3489 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3495 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3491 ft. Recorder Number 1562 Cap. 3200

Bottom Recorder Depth (Outside) 3497 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Rains & Williamson Oil Co.

Drill Collar Length 436 I. D. 2 1/4 in.

Mud Type chemical Viscosity 52

Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 12 cc.

Drill Pipe Length 3033 I. D. 3.8 in.

Chlorides 2,250 P.P.M.

Test Tool Length 32 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number --

Anchor Length 6 ft. Size 5 1/2 OD 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 FH in.

Blow: Weak to strong five minutes of first opening. Strong throughout test. See attached gas sheet for gas measurements.

Recovered 610 ft. of oil

Recovered 120 ft. of heavy oil cut mud

Recovered ft. of

Recovered 730 ft. of TOTAL

Recovered ft. of

Remarks: GAS TO SURFACE 45 MINUTES.

Time Set Packer(s) 1:45 AM P.M. Time Started Off Bottom 4:45 AM P.M. Maximum Temperature 118

Initial Hydrostatic Pressure (A) 1780 P.S.I.

Initial Flow Period Minutes 30 (B) 118 P.S.I. to (C) 141 P.S.I.

Initial Closed In Period Minutes 30 (D) 1027 P.S.I.

Final Flow Period Minutes 60 (E) 220 P.S.I. to (F) 276 P.S.I.

Final Closed In Period Minutes 57 (G) 1017 P.S.I.

Final Hydrostatic Pressure (H) 1743 P.S.I.



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GAS FLOW REPORT

Date 9/5/79 Ticket 3241 Company Rains & Williamson Oil Co., Inc.
 Well Name and No. Buerki #5 Dst No. 3 Interval Tested 3495'-3501'
 County Sedgwick State Kansas Sec. 2 Twp. 28S Rg. 2W

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						

Gas to surface 45 minutes.						SECOND FLOW
10 min.	8" of water	1/4" orifice				4,760 CFPD
20 min.	10" of water	1/4" orifice				5,320 CFPD
30 min.	10" of water	1/4" orifice				5,320 CFPD
40 min.	10" of water	1/4" orifice				5,320 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 9/5/79

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., Inc.

Authorized by Ron Emmons

WESTERN TESTING CO., INC.

Pressure Data

Date 9/5/79 Recorder No. 1562 Capacity 3200 Test Ticket No. 3241
 Location 3491 Ft. 118
 Clock No. -- Elevation 1373 Ground Level Well Temperature °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1780 P.S.I.	Open Tool	1:45P	M
B First Initial Flow Pressure	118 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	141 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1027 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	220 P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F Second Final Flow Pressure	276 P.S.I.			
G Final Closed-in Pressure	1017 P.S.I.			
H Final Hydrostatic Mud	1743 P.S.I.			

PRESSURE BREAKDOWN

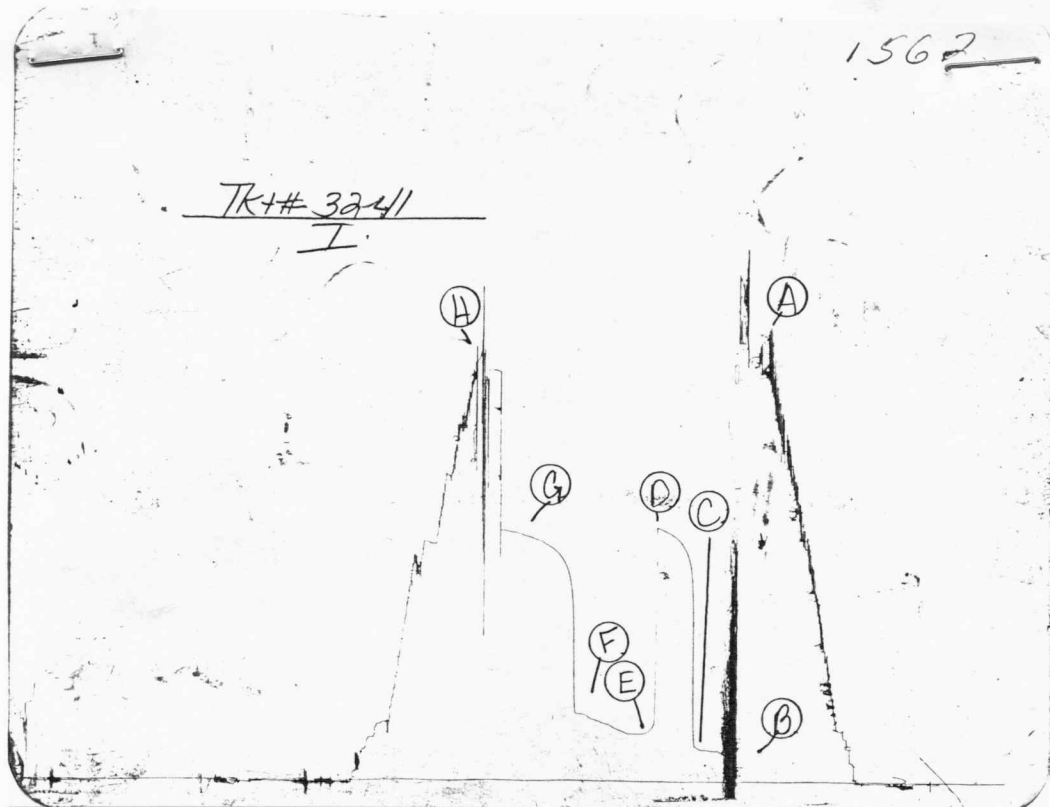
First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 10 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: 19 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	118	0	141	0	220	0	276
P 2 5	118	3	481	5	197	3	803
P 3 10	119	6	902	10	192	6	871
P 4 15	126	9	939	15	192	9	903
P 5 20	126	12	966	20	197	12	925
P 6 25	129	15	983	25	208	15	941
P 7 30	141	18	996	30	222	18	952
P 8		21	1005	35	233	21	961
P 9		24	1014	40	242	24	973
P10		27	1022	45	252	27	978
P11		30	1027	50	268	30	983
P12				55	272	33	989
P13				60	276	36	995
P14						39	1000
P15						42	1006
P16						45	1009
P17						48	1012
P18						51	1016
P19						54	1017
P20						57	1017



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1781	1780	PSI
(B) First Initial Flow Pressure	117	118	PSI
(C) First Final Flow Pressure	125	141	PSI
(D) Initial Closed-in Pressure	1022	1027	PSI
(E) Second Initial Flow Pressure	172	220	PSI
(F) Second Final Flow Pressure	251	276	PSI
(G) Final Closed-in Pressure	1006	1017	PSI
(H) Final Hydrostatic Mud	1660	1743	PSI