



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 6370

Elevation

1653

Formation

K.C. City

Eff. Pay — Ft.

District Great Bend Date 12-11-80

Customer Order No. —

COMPANY NAME Rains & Williamson oil co, inc.

ADDRESS 435 Page Court 220 West Douglas Wichita KS 67202

LEASE AND WELL NO. #1 Newman Trust COUNTY Russell STATE KS Sec. 13 Twp 12S Rge 15W

Mail Invoice To #1 Newman Trust Sam No. Copies Requested 5

Co. Name

Address

Mail Charts To Sam No. Copies Requested 5

Address

Formation Test No. 1 Interval Tested from 2850 ft. to 2870 ft. Total Depth 2870 ft.

Packer Depth 2845 ft. Size 6 3/4 in. Packer Depth 2850 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) 2862 ft.

Recorder Number 1057 Cap. 4700

Bottom Recorder Depth (Outside) 2865 ft.

Recorder Number 1051 Cap. 4250

Below Straddle Recorder Depth — ft.

Recorder Number — Cap. —

Drilling Contractor Rains & Williamson #4

Drill Collar Length — I. D. — in.

Mud Type Starch Viscosity 44

Weight Pipe Length — I. D. — in.

Weight 10.5 Water Loss 8.0 cc.

Drill Pipe Length 2829 I. D. 3.8 in.

Chlorides 93000 P.P.M.

Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make — Serial Number —

Anchor Length 20 ft. Size 4 1/8 in.

Did Well Flow? — 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 X 1 1/2 in.

Blow: weak Blow slowly increasing to good Blow Good Blow continued thru second screen

Recovered 65 ft. of Heavy oil cut mud 35% mud 10% water 20% oil, 35% gas

Recovered — ft. of

Recovered 180 ft. of Gas in pipe

Chlorides 86000 PPM

Recovered — ft. of

Recovered — ft. of

Remarks:

TRUCK STUCK AT 3:00 PM ON LOC AT 5:00 PM - PICK UP TOOL AT 5:45 PM - 2:00 AM

Time Set Packer(s) 7:17 P.M. Time Started Off Bottom 10:35 P.M. Maximum Temperature 97

Initial Hydrostatic Pressure	(A) <u>1593</u> P.S.I.
Initial Flow Period	Minutes <u>30</u> (B) <u>36</u> P.S.I. to (C) <u>36</u> P.S.I.
Initial Closed In Period	Minutes <u>45</u> (D) <u>392</u> P.S.I.
Final Flow Period	Minutes <u>60</u> (E) <u>49</u> P.S.I. to (F) <u>61</u> P.S.I.
Final Closed In Period	Minutes <u>60</u> (G) <u>392</u> P.S.I.
Final Hydrostatic Pressure	(H) <u>1581</u> 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 Roger Lisenby Signature of Customer or his authorized representative

Western Representative

FIELD INVOICE

Open Hole Test	\$ <u>550.00</u>
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$ <u>30.75</u>
Fluid Sampler	\$
Extra Charts	\$
TOTAL	\$ <u>580.75</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 12-11 Test Ticket No. 6370
 Recorder No. 6077 Capacity 4700 Location 2862 Ft.
 Clock No. _____ Elevation 1653 KB Well Temperature 97 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1601</u> P.S.I.		<u>7:17</u> P.M.	
B First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>43</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>388</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>58</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.			
G Final Closed-in Pressure	<u>383</u> P.S.I.			
H Final Hydrostatic Mud	<u>1582</u> 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: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

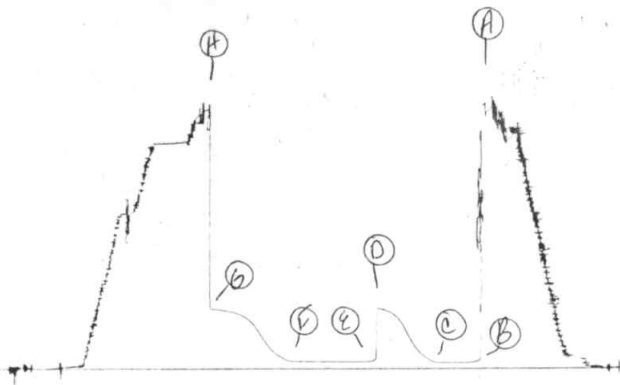
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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	<u>60</u>	0	<u>43</u>	0	<u>58</u>	0	<u>52</u>
P 2 5	<u>45</u>	3	<u>43</u>	5	<u>50</u>	3	<u>55</u>
P 3 10	<u>43</u>	6	<u>55</u>	10	<u>49</u>	6	<u>68</u>
P 4 15	<u>(</u>	9	<u>70</u>	15	<u>(</u>	9	<u>85</u>
P 5 20	<u>(</u>	12	<u>88</u>	20	<u>(</u>	12	<u>100</u>
P 6 25	<u>(</u>	15	<u>110</u>	25	<u>49</u>	15	<u>125</u>
P 7 30	<u>43</u>	18	<u>148</u>	30	<u>50</u>	18	<u>155</u>
P 8 35		21	<u>193</u>	35	<u>(</u>	21	<u>193</u>
P 9 40		24	<u>243</u>	40	<u>(</u>	24	<u>230</u>
P 10 45		27	<u>288</u>	45	<u>50</u>	27	<u>270</u>
P 11 50		30	<u>323</u>	50	<u>51</u>	30	<u>300</u>
P 12 55		33	<u>348</u>	55	<u>51</u>	33	<u>325</u>
P 13 60		36	<u>365</u>	60	<u>52</u>	36	<u>338</u>
P 14		39	<u>375</u>	65		39	<u>350</u>
P 15		42	<u>380</u>	70		42	<u>358</u>
P 16		45	<u>388</u>	75		45	<u>365</u>
		48		80		48	<u>370</u>
P 17		51		85		51	<u>375</u>
P 18		54		90		54	<u>378</u>
P 19		57				57	<u>383</u>
P 20		60				60	<u>383</u>

JKA # 6370

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6071

Company Rains & Williamson Oil Company, Inc. Lease & Well No. #1 Newman Trust
 Elevation 1653 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 6370
 Date 12-11-80 Sec. 13 Twp. 12S Range 15W County Russell State Kansas
 Test Approved by Dan Nixon Western Representative Roger Lisenby
 Formation Test No. 1 Interval Tested from 2850 ft. to 2870 ft. Total Depth 2870 ft.
 Packer Depth 2845 ft. Size 6 3/4 in. Packer Depth 2850 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) 2862 ft. Recorder Number 6077 Cap. 4700
 Bottom Recorder Depth (Outside) 2865 ft. Recorder Number 1051 Cap. 4250
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Rains & Williamson Rig #4 Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 10.5 Water Loss 8.0 cc. Drill Pipe Length 2829 I. D. 3.8 in.
 Chlorides 92,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make - Serial Number - Anchor Length 20 ft. Size 4 7/8 in.
 Did Well Flow? - 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: Weak blow slowly increasing to good blow initial flow period. Good blow continued through final flow period.

Recovered 65 ft. of heavy oil cut mud - 35% mud; 10% water; 20% oil; 35% gas

Recovered 180 ft. of gas in pipe Chlorides 86,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:17 ~~A.M.~~ P.M. Time Started Off Bottom 10:35 ~~A.M.~~ P.M. Maximum Temperature 97
 Initial Hydrostatic Pressure 1601 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 60 P.S.I. to (C) 43 P.S.I.
 Initial Closed In Period 45 Minutes (D) 388 P.S.I.
 Final Flow Period 60 Minutes (E) 58 P.S.I. to (F) 52 P.S.I.
 Final Closed In Period 60 Minutes (G) 383 P.S.I.
 Final Hydrostatic Pressure 1582 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-11-80 Recorder No. 6077 Capacity 4700 Test Ticket No. 6370 Location 2862 Ft.
 Clock No. - Elevation 1653 Kelly Bushing Well Temperature 97 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1601 P.S.I.	7:17P	M
B First Initial Flow Pressure	60 P.S.I.	30 Mins	30 Mins
C First Final Flow Pressure	43 P.S.I.	45 Mins	45 Mins
D Initial Closed-in Pressure	388 P.S.I.	60 Mins	60 Mins
E Second Initial Flow Pressure	58 P.S.I.	60 Mins	60 Mins
F Second Final Flow Pressure	52 P.S.I.		
G Final Closed-in Pressure	383 P.S.I.		
H Final Hydrostatic Mud	1582 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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 60	0	43	0	58	0	52
P 2	5 45	3	43	5	50	3	55
P 3	10 43	6	55	10	49	6	68
P 4	15 43	9	70	15	49	9	85
P 5	20 43	12	88	20	49	12	100
P 6	25 43	15	110	25	49	15	125
P 7	30 43	18	148	30	50	18	155
P 8		21	193	35	50	21	193
P 9		24	243	40	50	24	230
P10		27	288	45	50	27	270
P11		30	323	50	51	30	300
P12		33	348	55	51	33	325
P13		36	365	60	52	36	338
P14		39	375			39	350
P15		42	380			42	358
P16		45	388			45	365
P17						48	370
P18						51	375
P19						54	378
P20						57	383
						60	383



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 6371

Elevation 1653 K.B. Whiting Formation Kansas City City Eff. Pay — Ft.

District Great Bend Date 12-12-80 Customer Order No. —

COMPANY NAME Rains & Williamson Oil Co. Inc.
ADDRESS 435 Page Court 220 West Douglas Wichita KS 67202

LEASE AND WELL NO. #1 Newman Trust Russell COUNTY KS STATE KS Sec. 13 Twp. 12S Rge. 15E

Mail Invoice To #1 Newman Trust Sahr Co. Name Sahr Address — No. Copies Requested 5

Mail Charts To Sahr Address — No. Copies Requested 5

Formation Test No. 2 Interval Tested from 2910 ft. to 2924 ft. Total Depth 2924 ft.
Packer Depth 2905 ft. Size 1 3/4 in. Packer Depth 2910 ft. Size 2 3/4 in.
Packer Depth — ft. Size — in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 2916 ft. Recorder Number 6077 Cap. 4700
Bottom Recorder Depth (Outside) 2919 ft. Recorder Number 1051 Cap. 4250
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Rains & Williamson Rig #4 Drill Collar Length — I. D. — in.
Mud Type Starch Viscosity 38 Weight Pipe Length — I. D. — in.
Weight 10.4 Water Loss 12.0 cc. Drill Pipe Length 2889 I. D. 3.8 in.
Chlorides 96,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
Jars: Make — Serial Number — Anchor Length 14 3/4 ft. Size 4 3/4 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X H in.

Blow: Weak Blow slowly increased to fair blow first 20 ft.
Fair blow continued thru second opening and flow percolated

Recovered 150 ft. of muddy water with skin of oil on top
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of Chlorides 52,000 PPM
Recovered — ft. of —

Remarks: on loc at 1:15 PM, Pick up tool at 1:35 PM, Leave at 8:30 PM.

Time Set Packer(s) 2:37 P.M. Time Started Off Bottom 5:55 P.M. Maximum Temperature 97

Initial Hydrostatic Pressure	(A)	1605	P.S.I.
Initial Flow Period	Minutes	30	(B) 36 P.S.I. to (C) 49 P.S.I.
Initial Closed In Period	Minutes	45	(D) 460 P.S.I.
Final Flow Period	Minutes	60	(E) 73 P.S.I. to (F) 98 P.S.I.
Final Closed In Period	Minutes	60	(G) 460 P.S.I.
Final Hydrostatic Pressure	(H)	1593	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 Roger Lisenby Signature of Customer or his authorized representative

Western Representative Roger Lisenby

FIELD INVOICE

Open Hole Test	\$	550.00
Misrun	\$	—
Straddle Test	\$	—
Jars	\$	—
Selective Zone	\$	—
Safety Joint	\$	—
Standby	\$	—
Evaluation	\$	—
Extra Packer	\$	—
Circ. Sub.	\$	—
41 Mileage	\$	30.75
Fluid Sampler	\$	—
Extra Charts	\$	—
TOTAL	\$	580.75

WESTERN TESTING CO., INC.

Pressure Data

Date 12-12 Test Ticket No. 6371
 Recorder No. 6077 Capacity 4700 Location 2916 Ft.
 Clock No. _____ Elevation 1653 KB Well Temperature 97 °F

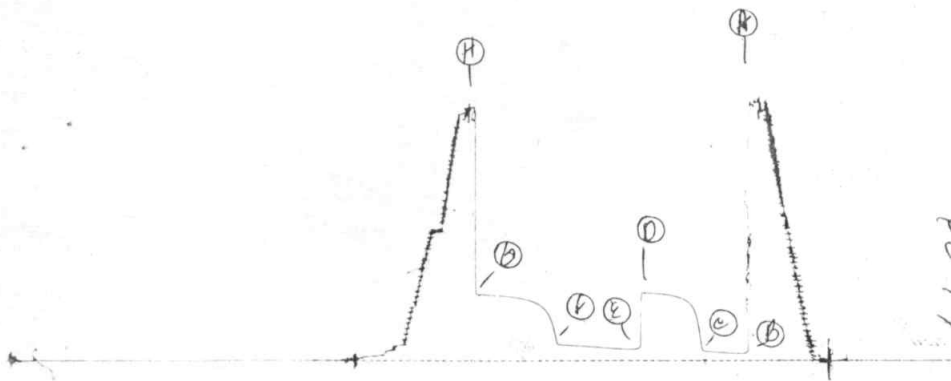
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1623</u> P.S.I.	<u>2:37</u> P.M.	
B First Initial Flow Pressure	<u>58</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>63</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>445</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>90</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>105</u> P.S.I.		
G Final Closed-in Pressure	<u>433</u> P.S.I.		
H Final Hydrostatic Mud	<u>1603</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>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>58</u>	0	<u>63</u>	0	<u>90</u>	0	<u>105</u>
P 2 5	<u>50</u>	3	<u>173</u>	5	<u>78</u>	3	<u>200</u>
P 3 10	<u>50</u>	6	<u>300</u>	10	<u>78</u>	6	<u>278</u>
P 4 15	<u>53</u>	9	<u>355</u>	15	<u>80</u>	9	<u>323</u>
P 5 20	<u>55</u>	12	<u>385</u>	20	<u>83</u>	12	<u>353</u>
P 6 25	<u>60</u>	15	<u>400</u>	25	<u>85</u>	15	<u>370</u>
P 7 30	<u>63</u>	18	<u>413</u>	30	<u>88</u>	18	<u>383</u>
P 8 35		21	<u>419</u>	35	<u>92</u>	21	<u>393</u>
P 9 40		24	<u>425</u>	40	<u>94</u>	24	<u>398</u>
P10 45		27	<u>430</u>	45	<u>97</u>	27	<u>405</u>
P11 50		30	<u>434</u>	50	<u>100</u>	30	<u>409</u>
P12 55		33	<u>437</u>	55	<u>102</u>	33	<u>413</u>
P13 60		36	<u>440</u>	60	<u>105</u>	36	<u>418</u>
P14		39	<u>442</u>	65		39	<u>422</u>
P15		42	<u>444</u>	70		42	<u>423</u>
P16		45	<u>445</u>	75		45	<u>425</u>
P17		48		80		48	<u>427</u>
P18		51		85		51	<u>429</u>
P19		54		90		54	<u>431</u>
P20		57				57	<u>432</u>
		60				60	<u>433</u>

JK # 6571

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Company Rains & Williamson Oil Company, Inc. Lease & Well No. #1 Newman Trust
 Elevation 1653 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticker No. 6371
 Date 12-12-80 Sec. 13 Twp 12S Range 15W County Russell State Kansas
 Test Approved by Dan Nixon Western Representative Roger Lisenby
 Formation Test No. 2 Interval Tested from 2910 ft. to 2924 ft. Total Depth 2924 ft.
 Packer Depth 2905 ft. Size 6 3/4 in. Packer Depth 2910 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) 2916 ft. Recorder Number 6077 Cap. 4700
 Bottom Recorder Depth (Outside) 2919 ft. Recorder Number 1051 Cap. 4250
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Rains & Williamson Rig #4 Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 38 Weight Pipe Length - I. D. - in.
 Weight 10.4 Water Loss 12.0 cc. Drill Pipe Length 2889 I. D. 3.8 in.
 Chlorides 96,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make - Serial Number - Anchor Length 14 ft. Size 4 7/8 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 blow slowly increased to fair blow initial flow period. Fair blow continued through final flow period.

Recovered 150 ft. of muddy water with skim of oil on top Chlorides 52,000 PPM
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Remarks: -

Time Set Packer(s) 2:37 ~~AM~~ P.M. Time Started Off Bottom 5:55 ~~AM~~ P.M. Maximum Temperature 97
 Initial Hydrostatic Pressure (A) 1623 P.S.I.
 Initial Flow Period Minutes 30 (B) 58 P.S.I. to (C) 63 P.S.I.
 Initial Closed In Period Minutes 45 (D) 445 P.S.I.
 Final Flow Period Minutes 60 (E) 90 P.S.I. to (F) 105 P.S.I.
 Final Closed In Period Minutes 60 (G) 433 P.S.I.
 Final Hydrostatic Pressure (H) 1603 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-12-80 Test Ticket No. 6371
 Recorder No. 6077 Capacity 4700 Location 2916 Ft.
 Clock No. - Elevation 1653 Kelly Bushing Well Temperature 97 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1623 P.S.I.	2:37P	M
B First Initial Flow Pressure	58 P.S.I.	30 Mins	30 Mins.
C First Final Flow Pressure	63 P.S.I.	45 Mins	45 Mins.
D Initial Closed-in Pressure	445 P.S.I.	60 Mins	60 Mins.
E Second Initial Flow Pressure	90 P.S.I.	60 Mins	60 Mins.
F Second Final Flow Pressure	105 P.S.I.		
G Final Closed-in Pressure	433 P.S.I.		
H Final Hydrostatic Mud	1603 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	58	0	63	0	90	0	105
P 2 5	50	3	173	5	78	3	200
P 3 10	50	6	300	10	78	6	278
P 4 15	53	9	355	15	80	9	323
P 5 20	55	12	385	20	83	12	353
P 6 25	60	15	400	25	85	15	370
P 7 30	63	18	413	30	88	18	383
P 8		21	419	35	92	21	393
P 9		24	425	40	94	24	398
P10		27	430	45	97	27	405
P11		30	434	50	100	30	409
P12		33	437	55	102	33	413
P13		36	440	60	105	36	418
P14		39	442			39	422
P15		42	444			42	423
P16		45	445			45	425
P17						48	427
P18						51	429
P19						54	431
P20						57	432
						60	433



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

WESTERN TESTING CO., INC.

FORMATION TESTING

Kelly Bushing TICKET No. 6372
Elevation 1653 KB Formation KC Kansas City Eff. Pay — Ft.

District Great Bend Date 12-14-80 Customer Order No. —

COMPANY NAME Rains & Williamson Oil Co Inc.
ADDRESS 435 Page Court 220 West Douglas Wichita 67202
LEASE AND WELL NO. #1 Newman Trust COUNTY Russell STATE KS Sec. 13 Twp. 12 Rge. 15W
Mail Invoice To Sa... Co. Name Address Sa... No. Copies Requested 5
Mail Charts To Sa... Address No. Copies Requested 5

Formation Test No. 3 Interval Tested from 2962 ft. to 2984 ft. Total Depth 3121 ft.
Packer Depth 2962 ft. Size 6 3/4 in. Packer Depth 2984 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) 2975 ft. Recorder Number 6077 Cap. 4700
Bottom Recorder Depth (Outside) 2978 ft. Recorder Number 1051 Cap. 4250
Below Straddle Recorder Depth 3106 ft. Recorder Number — Cap. Western

Drilling Contractor Rains & Williamson #4 Drill Collar Length — I. D. — in.
Mud Type Starch Viscosity 42 Weight Pipe Length — I. D. — in.
Weight 9.9 Water Loss 13.6 cc. Drill Pipe Length 2941 I. D. 3.8 in.
Chlorides 78,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
Jars: Make — Serial Number — Anchor Length 22 ft. Size 4 1/4 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 2 1/4 in.
Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 X 1 1/2 in.

Blow: Weak Blow (1 1/2 inches in Bucket) First Opening
NO Blow Second Opening (Flush Tool) Weak Increased to Fair B

Recovered 90 ft. of Watery mud FEW OIL SPOTS ON TOP
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —

Remarks: TOOL PLUGGED ON FIRST FLOW PERIOD
on LOC @ 4:00 PM PICKUP TOOL @ 4:45 PM Leave at 12:00 Midnite PM

Time Set Packer(s) 5:57 P.M. Time Started Off Bottom 9:02 P.M. Maximum Temperature 98
Initial Hydrostatic Pressure (A) 1629 P.S.I.
Initial Flow Period Minutes 30 (B) — P.S.I. to (C) — P.S.I.
Initial Closed In Period Minutes 30 (D) 232 P.S.I.
Final Flow Period Minutes 60 (E) 61 P.S.I. to (F) 85 P.S.I.
Final Closed In Period Minutes 60 (G) 220 P.S.I.
Final Hydrostatic Pressure (H) 1581 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 Roger Lisenby
Signature of Customer or his authorized representative

Western Representative Roger Lisenby

FIELD INVOICE

Open Hole Test ✓ \$ 550.00
Misrun \$ —
Straddle Test ✓ \$ 250.00
Jars \$ —
Selective Zone \$ —
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ 30.75
Fluid Sampler \$ —
Extra Charts \$ —

TOTAL

\$ 880.75

WESTERN TESTING CO., INC.

Pressure Data

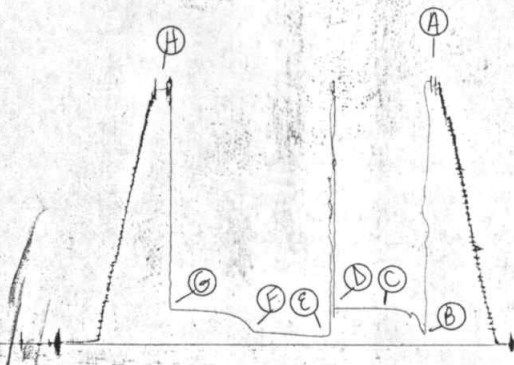
Date 12-14 Test Ticket No. 6372
 Recorder No. 6077 Capacity 4700 Location 2975 Ft.
 Clock No. _____ Elevation 1653 KB Well Temperature 98 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1630</u>	P.S.I.	5:57 P	M
B First Initial Flow Pressure <u>68*</u>	P.S.I.	30 Mins	30 Mins
C First Final Flow Pressure <u>229*</u>	P.S.I.	30 Mins	36 Mins
D Initial Closed-in Pressure <u>234</u>	P.S.I.	60 Mins	55 Mins
E Second Initial Flow Pressure <u>68</u>	P.S.I.	60 Mins	63 Mins
F Second Final Flow Pressure <u>78</u>	P.S.I.	* Pressures questionable due to plugging action.	
G Final Closed-in Pressure <u>220</u>	P.S.I.		
H Final Hydrostatic Mud <u>1591</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>12</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>21</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>68*</u>	0	<u>229*</u>	0	<u>68</u>	0	<u>78</u>
P 2 5	<u>150*</u>	3	<u>229</u>	5	<u>54</u>	3	<u>98</u>
P 3 10	<u>202*</u>	6	<u>230</u>	10	<u>55</u>	6	<u>133</u>
P 4 15	<u>210*</u>	9	<u>231</u>	15	<u>56</u>	9	<u>155</u>
P 5 20	<u>223*</u>	12	<u>232</u>	20	<u>60</u>	12	<u>170</u>
P 6 25	<u>228*</u>	15	<u>233</u>	25	<u>64</u>	15	<u>183</u>
P 7 30	<u>229*</u>	18	<u>(</u>	30	<u>67</u>	18	<u>192</u>
P 8 35		21	<u>)</u>	35	<u>70</u>	21	<u>197</u>
P 9 40		24	<u>233</u>	40	<u>73</u>	24	<u>201</u>
P 10 45		27	<u>234</u>	45	<u>75</u>	27	<u>205</u>
P 11 50		30	<u>(</u>	50	<u>77</u>	30	<u>209</u>
P 12 55		33	<u>)</u>	55	<u>78</u>	33	<u>211</u>
P 13 60		36	<u>234</u>	60		36	<u>213</u>
P 14		39		65		39	<u>215</u>
P 15		42		70		42	<u>216</u>
P 16		45		75		45	<u>217</u>
P 17		48		80		48	<u>218</u>
P 18		51		85		51	<u>218</u>
P 19		54		90		54	<u>219</u>
P 20		57				57	<u>219</u>
		60				60	<u>220</u>
						63	<u>220</u>

TKT # 6372
I



TKT # 6372

Below Straddle

Company Rains & Williamson Oil Company, Inc. Lease & Well No. #1 Newman Trust
Elevation 1653 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 6372
Date 12-14-80 Sec. 13 Twp. 12S Range 15W County Russell State Kansas
Test Approved by Dan Nixon Western Representative Roger Lisenby

Formation Test No. 3 Interval Tested from 2962 ft. to 2984 ft. Total Depth 3121 ft.

Packer Depth 2962 ft. Size 6 3/4 in. Packer Depth 2984 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) 2975 ft.

Recorder Number 6077 Cap. 4700

Bottom Recorder Depth (Outside) 2978 ft.

Recorder Number 1051 Cap. 4250

Below Straddle Recorder Depth 3106 ft.

Recorder Number - Cap. Western

Drilling Contractor Rains & Williamson Rig #4

Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 42

Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 13.6 cc.

Drill Pipe Length 2941 I. D. 3.8 in.

Chlorides 78,000 P.P.M.

Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make - Serial Number -

Anchor Length 22 ft. Size 4 7/8 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 in.

Blow: Weak blow (1 1/2 inches in bucket) Initial flow period. No blow final flow period. Flushed tool- weak increased to fair blow.

Recovered 90 ft. of watery mud few oil spots on top

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Tool plugged on first flow period.

Time Set Packer(s) 5:57 A.M. Time Started Off Bottom 9:02 P.M. Maximum Temperature 98

Initial Hydrostatic Pressure (A) 1630 P.S.I.

Initial Flow Period Minutes 30 (B) 68* P.S.I. to (C) 229* P.S.I.

Initial Closed In Period Minutes 36 (D) 234 P.S.I.

Final Flow Period Minutes 55 (E) 68 P.S.I. to (F) 78 P.S.I.

Final Closed In Period Minutes 63 (G) 220 P.S.I.

Final Hydrostatic Pressure (H) 1591 P.S.I.

WESTERN TESTING CO., INC. Pressure Data

Date 12-14-80

Recorder No. 6077

Capacity 4700

Test Ticket No. 6372

Clock No. - Elevation 1653 Kelly Bushing

Location 2975 Ft.

Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1630</u>	P.S.I.	<u>5:57P</u>	<u>M</u>
B First Initial Flow Pressure	<u>68*</u>	P.S.I.	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>229*</u>	P.S.I.	<u>30</u>	<u>36</u>
D Initial Closed-in Pressure	<u>234</u>	P.S.I.	<u>60</u>	<u>55</u>
E Second Initial Flow Pressure	<u>68</u>	P.S.I.	<u>60</u>	<u>63</u>
F Second Final Flow Pressure	<u>78</u>	P.S.I.		
G Final Closed-in Pressure	<u>220</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1591</u>	P.S.I.		

Open Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

*Pressures questionable due to plugging action.

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 12 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 21 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 <u>0</u>	<u>68*</u>	<u>0</u>	<u>229*</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>78</u>
P 2 <u>5</u>	<u>150*</u>	<u>3</u>	<u>229</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>98</u>
P 3 <u>10</u>	<u>202*</u>	<u>6</u>	<u>230</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>133</u>
P 4 <u>15</u>	<u>210*</u>	<u>9</u>	<u>231</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>155</u>
P 5 <u>20</u>	<u>223*</u>	<u>12</u>	<u>232</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>170</u>
P 6 <u>25</u>	<u>228*</u>	<u>15</u>	<u>233</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>183</u>
P 7 <u>30</u>	<u>229*</u>	<u>18</u>	<u>233</u>	<u>30</u>	<u>67</u>	<u>18</u>	<u>192</u>
P 8		<u>21</u>	<u>233</u>	<u>35</u>	<u>70</u>	<u>21</u>	<u>197</u>
P 9		<u>24</u>	<u>233</u>	<u>40</u>	<u>73</u>	<u>24</u>	<u>201</u>
P10		<u>27</u>	<u>234</u>	<u>45</u>	<u>75</u>	<u>27</u>	<u>205</u>
P11		<u>30</u>	<u>234</u>	<u>50</u>	<u>77</u>	<u>30</u>	<u>209</u>
P12		<u>33</u>	<u>234</u>	<u>55</u>	<u>78</u>	<u>33</u>	<u>211</u>
P13		<u>36</u>	<u>234</u>			<u>36</u>	<u>213</u>
P14						<u>39</u>	<u>215</u>
P15						<u>42</u>	<u>216</u>
P16						<u>45</u>	<u>217</u>
P17						<u>48</u>	<u>218</u>
P18						<u>51</u>	<u>218</u>
P19						<u>54</u>	<u>219</u>
P20						<u>57</u>	<u>219</u>
						<u>60</u>	<u>220</u>
						<u>63</u>	<u>220</u>