WESTERN TESTING CO., INC.

Did Not Find

FORMATION TESTING

Ground Level

TICKET No. 8944

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2150 GL Formation Morrow Eff. Pay ~ Ft.

District Wakeeney Date 12-30-80 Customer Order No. ~

COMPANY NAME Wheatland Oil & Gas, - Ramco Drlg. Co. - C.L. Morris

ADDRESS ~~5th Floor, Pet. Bldg. Wichita, Ks. 67202~~

LEASE AND WELL NO. Yost #2 COUNTY Comanche STATE Ks Sec. 30 Twp. 31S Rge. 18W

Mail Invoice To [redacted] C.L. Morris, Ramco Drlg, No. Copies Requested 5
Co. Name Address

Mail Charts To Box 367, Andover, Ks. (All copies & Bills) No. Copies Requested 5
Address

Formation Test No. 1 Interval Tested from 4983 ft. to 5000 ft. Total Depth 5000 ft.

Packer Depth 4983 ft. Size 6 3/4 in. Packer Depth ~ ft. Size ~ in.

Packer Depth 4978 ft. Size 6 3/4 in. Packer Depth ~ ft. Size ~ in.

Depth of Selective Zone Set ~

Top Recorder Depth (Inside) 4993 ft. Recorder Number 1049 Cap. 3500

Bottom Recorder Depth (Outside) 4996 ft. Recorder Number 1134 Cap. 4500

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

Drilling Contractor Ramco Rig 3

Mud Type Starch Viscosity 45

Weight 9.6 Water Loss ~ cc.

Chlorides 28,000 P.P.M.

Jars: Make Western Serial Number ~

Did Well Flow? No Reversed Out No

Drill Collar Length ~ I. D. ~ in.

Weight Pipe Length ~ I. D. ~ in.

Drill Pipe Length 4955 I. D. 3.8 in.

Test Tool Length 28 ft. Tool Size 5 1/2 in.

Anchor Length 17 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 XH in.

Blow: 1st Opening - ~~Strong Blow off Bottom in 10 min~~

2nd Opening Strong Blow Thru/out Test

Recovered 124 ft. of Gassy Mud

Recovered 124 ft. of Gassy Slightly Oil cut Mud

Recovered 186 ft. of Gassy Oil cut Mud

Recovered ~~434~~ ft. of ~~Total Fluid~~

Recovered 2418 ft. of Gas in Pipe

Remarks:

Time On Location 9:00 A.M. / P.M. Time Pick Up Tool 12:30 A.M. / P.M. Time Off Location 11:00 A.M. / P.M.

Time Set Packer(s) 3:04 A.M. / P.M. Time Started Off Bottom 7:04 A.M. / P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure		(A) 2617	P.S.I.	
Initial Flow Period	Minutes 30	(B) 64	P.S.I. to (C) 156	P.S.I.
Initial Closed In Period	Minutes 60	(D) 1381	P.S.I.	
Final Flow Period	Minutes 60	(E) 183	P.S.I. to (F) 192	P.S.I.
Final Closed In Period	Minutes 90	(G) 1190	P.S.I.	
Final Hydrostatic Pressure		(H) 2544	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 Scott Banks
Signature of Customer or his authorized representative

Western Representative Steve Mitchell

FIELD INVOICE

Open Hole Test	$ 650.00
Misrun	$
Straddle Test	$
Jars	$ 300.00
Selective Zone	$
Safety Joint	$ 50.00
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$ 41.25
Mileage	$ 55 mi.
Fluid Sampler	$
Extra Charts	$
Insurance	$
TOTAL	$ 1041.25

WESTERN TESTING CO., INC.
Pressure Data

Date 12-30 Test Ticket No. 8944

Recorder No. 1049 Capacity 3500 Location 4993 Ft.

Clock No. — Elevation 2150 GL Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2621 P.S.I.	Open Tool	3:04 PM	
B First Initial Flow Pressure	63 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	159 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1388 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	203 P.S.I.	Final Closed-in Pressure	90 Mins.	78 Mins.
F Second Final Flow Pressure	192 P.S.I.	* tool movement.		
G Final Closed-in Pressure	1193* P.S.I.			
H Final Hydrostatic Mud	2544 P.S.I.			

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	63
P 2	5	114
P 3	10	128
P 4	15	128
P 5	20	143
P 6	25	152
P 7	30	159
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: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	159
3	214
6	275
9	342
12	414
15	485
18	555
21	632
24	723
27	815
30	907
33	~~1116~~ 1007
36	1093
39	1164
42	1226
45	1277
48	1321
51	1349
54	1369
57	1378
60	1388

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

Point Minutes	Press.
0	203
5	189
10	183
15	183
20	183
25	185
30	188
35	189
40	190
45	191
50	192
55	192
60	192
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 26 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	192
3	238
6	291
9	363
12	434
15	498
18	551
21	590
24	617
27	639
30	658
33	663*
36	665*
39	666*
42	667*
45	673*
48	683*
51	711*
54	771*
57	841*
60	921*

CONT

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. 8944

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure
A Initial Hydrostatic Mud	P.S.I.
B First Initial Flow Pressure	P.S.I.
C First Final Flow Pressure	P.S.I.
D Initial Closed-in Pressure	P.S.I.
E Second Initial Flow Pressure	P.S.I.
F Second Final Flow Pressure	P.S.I.
G Final Closed-in Pressure	P.S.I.
H Final Hydrostatic Mud	P.S.I.

	Time Given	Time Computed
Open Tool	M	
First Flow Pressure	Mins.	Mins.
Initial Closed-in Pressure	Mins.	Mins.
Second Flow Pressure	Mins.	Mins.
Final Closed-in Pressure	Mins.	Mins.

PRESSURE BREAKDOWN

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

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

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

Final Shut-In
Breakdown: _____ 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		63				63	1005 *
P 2		66				66	1084 *
P 3		69				69	1126 *
P 4		72				72	1153 *
P 5		75				75	1175 *
P 6		78				78	1193 *
P 7		81				81	
P 8		84				84	
P 9		87				87	
P10		90				90	
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

JK #8944
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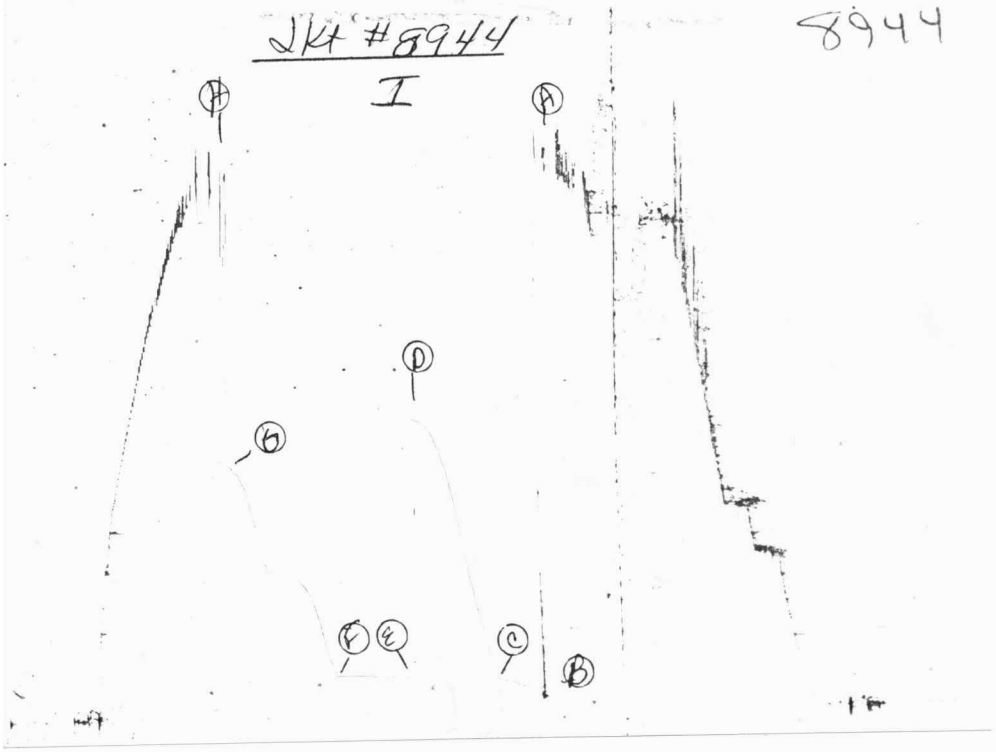
8944



Company Wheatland Oil & Gas, Inc.- The Ramco Drilling Corporation — Lease & Well No. Yost #2

Elevation 2150 Ground Level — Formation Marmaton — Effective Pay - Ft. — Ticket No. 8944

Date 12-30-80 — Sec. 30 — Twp. 31S — Range 18W — County Comanche — State Kansas

Test Approved by Scott Banks — Western Representative Steve Michellich

Formation Test No. 1 — Interval Tested from 4983 ft. to 5000 ft. — Total Depth 5000 ft.

Packer Depth 4983 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4978 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4993 ft. — Recorder Number 1049 — Cap. 3500

Bottom Recorder Depth (Outside) 4996 ft. — Recorder Number 1134 — Cap. 4500

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

Drilling Contractor Ramco Rig #3 — Drill Collar Length - — I. D. - in.

Mud Type Starch — Viscosity 45 — Weight Pipe Length - — I. D. - in.

Weight 9.6 — Water Loss - cc. — Drill Pipe Length 4955 — I. D. 3.8 in.

Chlorides 28,000 P.P.M. — Test Tool Length 28 ft. — Tool Size 5½ in.

Jars: Make WTC — Serial Number 421 — Anchor Length 17 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 4½XH in.

Blow: Strong blow throughout test.

Recovered 124 ft. of gassy mud

Recovered 124 ft. of gassy slightly oil cut mud

Recovered 186 ft. of gassy oil cut mud

Recovered 2418 ft. of gas in pipe

Recovered ft. of

Remarks:

Time Set Packer(s) 3:04 A.M. P.M. — Time Started Off Bottom 7:04 ~~A.M.~~ P.M. — Maximum Temperature 124

Initial Hydrostatic Pressure		(A) 2621 P.S.I.		
Initial Flow Period	Minutes 30	(B) 63 P.S.I.	to (C) 159 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1388 P.S.I.		
Final Flow Period	Minutes 60	(E) 203 P.S.I.	to (F) 192 P.S.I.	
Final Closed In Period	Minutes 78	(G) 1193* P.S.I.		
Final Hydrostatic Pressure		(H) 2544 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 12-30-80 Test Ticket No. 8944

Recorder No. 1049 Capacity 3500 Location 4993 Ft.

Clock No. - Elevation 2150 Ground Level Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2621 P.S.I.		Open Tool	3:04P M	
B	First Initial Flow Pressure	63 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	159 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1388 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	203 P.S.I.		Final Closed-in Pressure	90 Mins.	78 Mins.
F	Second Final Flow Pressure	192 P.S.I.		*Tool movement		
G	Final Closed-in Pressure	1193* P.S.I.				
H	Final Hydrostatic Mud	2544 P.S.I.				

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	63
P 2 5	114
P 3 10	128
P 4 15	128
P 5 20	143
P 6 25	152
P 7 30	159
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	159
3	214
6	275
9	342
12	414
15	485
18	555
21	632
24	723
27	815
30	907
33	1007
36	1093
39	1164
42	1226
45	1277
48	1321
51	1349
54	1369
57	1378
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Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	203
5	189
10	183
15	183
20	183
25	185
30	188
35	189
40	190
45	191
50	192
55	192
60	192

Final Shut-In
Breakdown: 26 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	192
3	238
6	291
9	363
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15	498
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Pressure Data

Date 12-30-80 Test Ticket No. 8944

Recorder No. 1049 Capacity 3500 Location 4993 Ft.

Clock No. - Elevation 2150 Ground Level Well Temperature 124 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2621	P.S.I.
B	First Initial Flow Pressure	63	P.S.I.
C	First Final Flow Pressure	159	P.S.I.
D	Initial Closed-in Pressure	1388	P.S.I.
E	Second Initial Flow Pressure	203	P.S.I.
F	Second Final Flow Pressure	192	P.S.I.
G	Final Closed-in Pressure	1193*	P.S.I.
H	Final Hydrostatic Mud	2544	P.S.I.

	Time Given	Time Computed
Open Tool	3:04P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	90 Mins.	78 Mins.

*Tool movement

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 20 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: 26 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						63	1005*
P 2						66	1084*
P 3						69	1126*
P 4						72	1153*
P 5						75	1175*
P 6						78	1193*
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							