Company Raymond Oil Company, Inc. Lease & Well No. Cline "A"#2

Elevation 1944 Kelly Bushing Formation Topeka Effective Pay ---- Ft. Ticket No. 9288

Date 2/12/81 Sec. 26 Twp. 32S Range 15W County Barber State Kansas

Test Approved by Joe M. Baker Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 3580 ft. to 3593 ft. Total Depth 3593 ft.

Packer Depth 3573 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3580 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3583 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3590 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Graves Drilling Drill Collar Length 120 I. D. 2.2 in.

Mud Type starch Viscosity 42 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 12.8 cc. Drill Pipe Length 3440 I. D. 3.8 in.

Chlorides 26,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 13 ft. Size 5½OD 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 4½FH in.

Blow: Fair; slowly dying initial flow period. Fair through final flow period.

Recovered 20 ft. of gas cut mud

Recovered 60 ft. of gas cut mud - few oil specks.

Recovered 60 ft. of gas and slightly oil cut mud

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:09 ~~A.M.~~ P.M. Time Started Off Bottom 4:09 ~~A.M.~~ P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure			(A)	1864	P.S.I.	
Initial Flow Period	Minutes	30	(B)	82	P.S.I. to (C)	77 P.S.I.
Initial Closed In Period	Minutes	30	(D)	1103	P.S.I.	
Final Flow Period	Minutes	30	(E)	90	P.S.I. to (F)	68 P.S.I.
Final Closed In Period	Minutes	30	(G)	456	P.S.I.	
Final Hydrostatic Pressure			(H)	1852	P.S.I.	

WTC

WESTERN TESTING CO., INC.
Pressure Data

Date 2/12/81 Test Ticket No. 9288

Recorder No. 5673 Capacity 5400 Location 3583 Ft.

Clock No. --- Elevation 1944 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1864 P.S.I.	Open Tool	2:09P M	
B First Initial Flow Pressure	82 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	77 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1103 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	90 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	68 P.S.I.			
G Final Closed-in Pressure	456 P.S.I.			
H Final Hydrostatic Mud	1852 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	82
P 2 5	74
P 3 10	74
P 4 15	74
P 5 20	74
P 6 25	77
P 7 30	77
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	77
3	103
6	153
9	301
12	413
15	549
18	705
21	852
24	964
27	1059
30	1103

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

Point Minutes	Press.
0	90
5	74
10	71
15	71
20	71
25	70
30	68

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

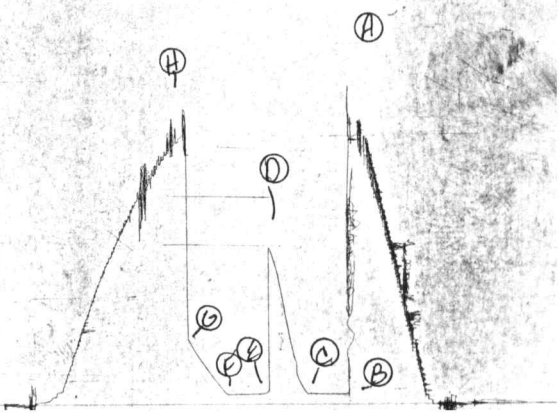
Point Minutes	Press.
0	68
3	90
6	128
9	161
12	202
15	240
18	281
21	322
24	369
27	424
30	456

WTC - 4

5673
DST #1

JK # 9288

I



WESTERN TESTING CO., INC.

FORMATION TESTING

Coll OK

TICKET No. 9288

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

Elevation 1944 KB Formation Topeka Eff. Pay Ft.

District ~~2-12-81~~ Date 2-12-81 Customer Order No.

COMPANY NAME Raymond Oil ~~Pratt~~ Company, Inc. One Main Place, Suite 900

ADDRESS Wichita KS 67202

LEASE AND WELL NO. Cline A - #2 ~~Mills A-2~~ COUNTY Barber STATE KS Sec. 26 Twp. 32S Rge. 15W

Mail Invoice To Same Co. Name Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 3580 ft. to 3593 ft. Total Depth 3593 ft.

Packer Depth 3575 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3580 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3583 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3590 ft. Recorder Number 1565 Cap. 4900

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Graves

Mud Type Starch Viscosity 42

Weight 9.7 Water Loss 12.8 cc.

Chlorides 26,000 P.P.M.

Jars: Make — Serial Number —

Did Well Flow? NO Reversed Out NO

Drill Collar Length 120 I. D. 2.2 in.

Weight Pipe Length — I. D. — in.

Drill Pipe Length 3440 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5½ OD in.

Anchor Length 13 ft. Size 5½ OD in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ FH in.

Blow: Fair - Slowly Dying - ~~FF~~ - Fair thru ~~FF~~ Final Flow Period (Initial Flow Period)

Recovered 20 ft. of Gas Cut Mud

Recovered 60 ft. of Gas Cut Mud - few Oil Specs.

Recovered 60 ft. of Gas + ~~Oil~~ Slightly Oil Cut Mud

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 12:30 A.M. (P.M.) Time Pick Up Tool 1:00 A.M. (P.M.) Time Off Location 7:00 A.M. (P.M.)

Time Set Packer(s) 2:09 A.M. (P.M.) Time Started Off Bottom 4:09 A.M. (P.M.) Maximum Temperature 110

Initial Hydrostatic Pressure			(A)	1864	P.S.I.	
Initial Flow Period	Minutes	30	(B)	68	P.S.I. to (C)	68 P.S.I.
Initial Closed In Period	Minutes	30	(D)	1078	P.S.I.	
Final Flow Period	Minutes	30	(E)	68	P.S.I. to (F)	54 P.S.I.
Final Closed In Period	Minutes	30	(G)	423	P.S.I.	
Final Hydrostatic Pressure			(H)	1864	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 John Baker
Signature of Customer or his authorized representative

Western Representative Jeff Patowski

Thank you

FIELD INVOICE

Open Hole Test	$	~~625~~ 00
Misrun	$	
Straddle Test	$	
Jars	$	
Selective Zone	$	
Safety Joint	$	
Standby	$	
Evaluation	$	
Extra Packer	$	
Circ. Sub.	$	
Mileage 45	$	33 75
Fluid Sampler	$	
Extra Charts	$	
Insurance	$	
TOTAL	$	658 75

OK

WESTERN TESTING CO., INC.
Pressure Data

Date 2-12 Test Ticket No. 9288

Recorder No. 5673 Capacity 5400 Location 3583 Ft.

Clock No. Elevation 1944 KB Well Temperature 110 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1864 P.S.I.		Open Tool	2:09 PM	
B	First Initial Flow Pressure	82 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	77 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1103 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	90 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	68 P.S.I.				
G	Final Closed-in Pressure	456 P.S.I.				
H	Final Hydrostatic Mud	1852 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	82
P 2	5	74
P 3	10	(
P 4	15	(
P 5	20	74
P 6	25	77
P 7	30	77
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	77
	3	103
	6	153
	9	301
	12	413
	15	549
	18	705
	21	852
	24	964
	27	1059
	30	1103
	33	
	36	
	39	
	42	
	45	
	48	
	51	
	54	
	57	
	60	

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

Point	Minutes	Press.
	0	90
	5	74
	10	71
	15	71
	20	71
	25	70
	30	68
	35	
	40	
	45	
	50	
	55	
	60	
	65	
	70	
	75	
	80	
	85	
	90	

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

Point	Minutes	Press.
	0	68
	3	90
	6	128
	9	161
	12	202
	15	240
	18	281
	21	322
	24	369
	27	424
	30	456
	33	
	36	
	39	
	42	
	45	
	48	
	51	
	54	
	57	
	60	