Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Raymond Oil Co. Lease & Well No. Ford #1

Elevation 1784 Kelly Bush. Formation Indian Cave Effective Pay - Ft. Ticket No. 23289

Date 12-19-77 Sec. 33 Twp. 28S Range 11W County Pratt State Kansas

Test Approved by R. E. Rowland Western Representative Joe N. Lusk

Formation Test No. 1 O.K. X Misrun - Interval Tested From 2570' to 2610' Total Depth 2610'

Size Main Hole 7-7/8 at Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No

Top Packer Depth 2565 Ft. Size 6-3/4 Bottom Packer Depth 2570 Ft. Size 6-3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 40 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2575 Ft. Clock No. 10168 Depth 2578 Ft. Clock No. 6800

Top Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 3:38 A M

Tool Open I.F.P. From 3:40 M. to 4:10 M. - Hr. 30 Min. From (B) 51 P.S.I. To (C) 18 P.S.I.

Tool Closed I.C.I.P. From 4:10 M. to 4:40 M. - Hr. 30 Min (D) 891 P.S.I.

Tool Open F.F.P. From 4:40 M. to 5:10 M. - Hr. 30 Min. From (E) 39 P.S.I. To (F) 17 P.S.I.

Tool Closed F.C.I.P. From 5:10 M. to 5:40 M. - Hr. 30 Min. (G) 897 P.S.I.

Initial Hydrostatic Pressure (A) 1310 P.S.I. Final Hydrostatic Pressure (H) 1310 P.S.I. Maximum Temp. 99o

INFORMATION

BLOW Strong Blow - Gas to surface in 28 minutes. of Initial Flow Period.

See Attached Sheet for Gas Measurements.

Did Well Flow - Yes X No Recovery Total Ft. 40' Mud.

Reversed Out - Yes X No Mud Type Premix Starch Viscosity 37 Weight 9.6 Water Loss 11.6 cc. Chlorides 51,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Damac Drlg. Rig #1 Length Drill Pipe? 2547 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 63 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 12-19-77 Test Ticket No. 23289

Recorder No. 969 Capacity 4150 Location 2575 Ft.

Clock No. 10168 Elevation 1784 Kelly Bushing Well Temperature 99 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1310	P.S.I.	Open Tool	3:38 A M	
B	First Initial Flow Pressure	51	P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C	First Final Flow Pressure	18	P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D	Initial Closed-in Pressure	891	P.S.I.	Second Flow Pressure	30 Mins.	25 Mins.
E	Second Initial Flow Pressure	39	P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	17	P.S.I.			
G	Final Closed-in Pressure	897	P.S.I.			
H	Final Hydrostatic Mud	1310	P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 5 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	First Flow Pressure Mins.	First Flow Pressure Press.	Initial Shut-In Point Minutes	Initial Shut-In Press.	Second Flow Pressure Point Minutes	Second Flow Pressure Press.	Final Shut-In Point Minutes	Final Shut-In Press.
P 1	0	51	0	18	0	39	0	17
P 2	5	31	3	186	5	24	3	297
P 3	10	22	6	545	10	18	6	674
P 4	15	1t	9	789	15	17	9	811
P 5	20	18	12	842	20	17	12	841
P 6	25	18	15	861	25	17	15	859
P 7			18	873			18	873
P 8			21	880			21	884
P 9			24	887			24	889
P10			27	891			27	893
P11							30	897
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

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GAS FLOW REPORT

Date 12-19-77 Ticket 23289 Company Raymond Oil Co.

Well Name and No. Ford #1 Dst No. 1 Interval Tested 2570-2610'

County Pratt State Kansas Sec. 33 Twp. 28S Rg. 11W

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 in 28 minutes.						
		NO GAUGES				
SECOND FLOW						
4:45 AM	5 Min.	15" of water		3/4" Orifice		55,200 C.F.P.D.
4:50 "	10 Min.	15" "		3/4" "		55,200 "
4:55 "	15 "	15" "		3/4" "		55,200 "
5:00 "	20 "	17" "		3/4" "		58,500 "
5:05 "	25 "	18" "		3/4" "		60,200 "
5:10 "	30 "	18" "		3/4" "		60,200 "

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

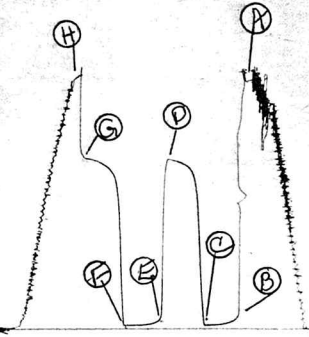
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 Raymond Oil Co.

Authorized by R. E. Rowland

TK# 23289
I.



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