



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO. 4421

• Listok

Elevation 1679 G.L. Formation Indian Cave Eff. Pay — ft.

District Pratt Date 1/11/80 Customer Order No. —

COMPANY NAME Raymond Oil Company Inc.
ADDRESS One Main Place Suite 200 Wichita KS 67202
LEASE AND WELL NO. Tiesmeyer #1 COUNTY Kingman STATE KS Sec. 12 Twp. 29S Rge. 9W

Mail Invoice To Same Co. Name Address No. Copies Requested 5
Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2385 ft. to 2444 ft. Total Depth 2444 ft.

Packer Depth 2385 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 2385 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 2402 ft.

Recorder Number 2607 Cap. 4 1/2 in.

Bottom Recorder Depth (Outside) 2405 ft.

Recorder Number 3351 Cap. 4 000

Below Straddle Recorder Depth — ft.

Recorder Number — Cap. —

Drilling Contractor Graves Drilg Rig #1

Drill Collar Length 12.5 I. D. 2 1/2 in.

Mud Type Premium Viscosity 36

Weight Pipe Length — I. D. — in.

Weight 9.8 Water Loss 72.8 cc.

Drill Pipe Length 2245 I. D. 3.8 in.

Chlorides 93,000 P.P.M.

Test Tool Length 15 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number —

Anchor Length 59 ft. Size 5 1/2 in.

Did Well Flow? Yes Reversed Out No

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

Main Hole Size 7 3/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout flow periods Flowed salt water after 10 min on second flow
Gated surface in 15 min on first flow

Recovered 855 ft. of Gassy Salt Water (79,000 p.p.m.)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s)	7:00 A.M.	Time Started Off Bottom	9:45 A.M.	Maximum Temperature
Initial Hydrostatic Pressure (A)	1269	P.S.I.	95°
Initial Flow Period	Minutes 30 (B)	190	P.S.I. to (C)	497 P.S.I.
Initial Closed In Period	Minutes 60 (D)	841	P.S.I.	
Final Flow Period	Minutes 15 (E)	518	P.S.I. to (F)	560 P.S.I.
Final Closed In Period	Minutes 60 (G)	841	P.S.I.	
Final Hydrostatic Pressure (H)	1248	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

Timothy D. McPherson

Signature of Customer or his authorized representative

Western Representative

Jim Wonda Thank You

FIELD INVOICE

Open Hole Test	\$ 1500
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$
Fluid Sampler	\$
Extra Charts	\$
TOTAL \$ 500.00	



GAS FLOW REPORT

Nº 1886

Date 1/11/80 Ticket #4421 Company Raymond Oil Co
Well Name and No. Tiesmeyer #1 Dst No. 1 Interval Tested 2385-2444
County Kingman State KS Sec. 12 Twp. 29 Rg. 9

SECOND FLOW

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 _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 1/11/80Test Ticket No. 4421Recorder No. 2607Capacity 4150Location 2402

Ft.

Clock No. Elevation 1679 ft. LWell Temperature 95 °F

Point Pressure

A Initial Hydrostatic Mud	<u>1284</u>	P.S.I.
B First Initial Flow Pressure	<u>193</u>	P.S.I.
C First Final Flow Pressure	<u>512</u>	P.S.I.
D Initial Closed-in Pressure	<u>851</u>	P.S.I.
E Second Initial Flow Pressure	<u>529</u>	P.S.I.
F Second Final Flow Pressure	<u>569</u>	P.S.I.
G Final Closed-in Pressure	<u>850</u>	P.S.I.
H Final Hydrostatic Mud	<u>1259</u>	P.S.I.

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1284</u>	<u>7:00</u>	<u>7:00</u>
B First Initial Flow Pressure	<u>193</u>	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>512</u>	<u>60</u>	<u>60</u>
D Initial Closed-in Pressure	<u>851</u>	<u>15</u>	<u>15</u>
E Second Initial Flow Pressure	<u>529</u>	<u>60</u>	<u>60</u>
F Second Final Flow Pressure	<u>569</u>		
G Final Closed-in Pressure	<u>850</u>		
H Final Hydrostatic Mud	<u>1259</u>		

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: 3 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.
P 1	0	<u>193</u>
P 2	5	<u>199</u>
P 3	10	<u>265</u>
P 4	15	<u>339</u>
P 5	20	<u>394</u>
P 6	25	<u>449</u>
P 7	30	<u>512</u>
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

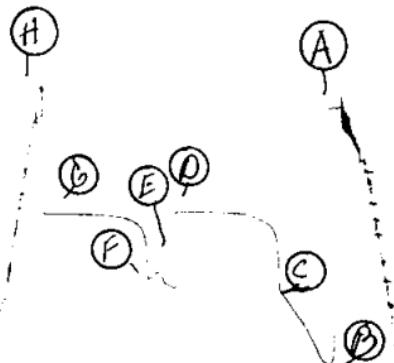
Point	Minutes	Press.
	0	<u>512</u>
	3	<u>750</u>
	6	<u>789</u>
	9	<u>804</u>
	12	<u>814</u>
	15	<u>824</u>
	18	<u>831</u>
	21	<u>837</u>
	24	<u>841</u>
	27	<u>843</u>
	30	<u>845</u>
	33	<u>846</u>
	36	<u>847</u>
	39	<u>848</u>
	42	<u>849</u>
	45	<u>850</u>
	48	<u>851</u>
	51	
	54	
	57	
	60	<u>851</u>

Point	Minutes	Press.
	0	<u>529</u>
	5	<u>550</u>
	10	<u>592</u>
	15	<u>569</u>
	20	
	25	
	30	
	35	
	40	
	45	
	50	
	55	
	60	
	65	
	70	
	75	
	80	
	85	
	90	

Point	Minutes	Press.
	0	<u>569</u>
	3	<u>766</u>
	6	<u>797</u>
	9	<u>814</u>
	12	<u>824</u>
	15	<u>829</u>
	18	<u>832</u>
	21	<u>834</u>
	24	<u>837</u>
	27	<u>839</u>
	30	<u>841</u>
	33	<u>842</u>
	36	<u>843</u>
	39	<u>844</u>
	42	<u>845</u>
	45	<u>845</u>
	48	<u>846</u>
	51	<u>847</u>
	54	<u>848</u>
	57	<u>848</u>
	60	<u>850</u>

Kit # 4421

I



Company	Raymond Oil Company, Inc.				Lease & Well No.	Tiesmeyer #1	
Elevation	1679 Ground Level		Formation	Indian Cave	Effective Pay	--	Ft. Ticket No. 4421
Date	1/11/80	Sec. 12	Twp. 29S	Range 9W	County Kingman	State Kansas	
Test Approved by	Timothy D. Hellman				Western Representative	Jim Wondra	
Formation Test No.	1	Interval Tested from	2385	ft. to	2444	ft.	Total Depth 2444 ft.
Packer Depth	2385	ft. Size	6 3/4 in.	Packer Depth	-	ft. Size	- in.
Packer Depth	-	ft. Size	in.	Packer Depth	-	ft. Size	- in.
Depth of Selective Zone Set	-						
Top Recorder Depth (Inside)		2402	ft.	Recorder Number	2607	Cap.	4150
Bottom Recorder Depth (Outside)		2405	ft.	Recorder Number	3351	Cap.	4000
Below Straddle Recorder Depth		-	ft.	Recorder Number	-	Cap.	-
Drilling Contractor	Graves Drilling Co. Rig #1				Drill Collar Length	125	I. D. 2 1/4 in.
Mud Type	premix	Viscosity	36	Weight Pipe Length	--	I. D.	- in.
Weight	9.8	Water Loss	72.8 cc.	Drill Pipe Length	2245	I. D.	3.8 in.
Chlorides	93,000	P.P.M.		Test Tool Length	15 ft.	Tool Size	5 1/2 OD in.
Jars: Make	--	Serial Number	--	Anchor Length	59 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:	Strong blow throughout flow periods. Flowed salt water after ten minutes on second flow. Gas to surface in fifteen minutes on first flow. See attached sheet for gas measurements.						
Recovered	ft. of	855 ft. of gassy salt water (79,000 chlorides ppm)					
Recovered	ft. of						
Recovered	ft. of						
Recovered	ft. of						
Remarks:							

Time Set Packer(s)	7:00	A.M.	Time Started Off Bottom	9:45	A.M.	Maximum Temperature 95°	
Initial Hydrostatic Pressure			(A)	1284	P.S.I.		
Initial Flow Period	Minutes 30		(B)	193	P.S.I. to (C)	512	P.S.I.
Initial Closed In Period	Minutes 60		(D)	851	P.S.I.		
Final Flow Period	Minutes 15		(E)	529	P.S.I. to (F)	569	P.S.I.
Final Closed In Period	Minutes 60		(G)	850	P.S.I.		
Final Hydrostatic Pressure			(H)	1259	P.S.I.		

GAS FLOW REPORT

Date 1/11/80 Ticket 4421 Company Raymond Oil Company, Inc.

Well Name and No. Tiesmeyer #1 Dst No. 1 Interval Tested 2385'-2444'

County Kingman State Kansas Sec. 12 Twp. 29S Rg. 9W

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
---------------------------	--------------------------	---	------------------------------	------------------------------------	-------------------------------	---------------------

Gas to surface in fifteen minutes. **PRE FLOW**

20 min.	40" of water	1/2" orifice	39,600 CFPD
30 min.	60" of water	1/2" orifice	48,600 CFPD

SECOND FLOW

GAS BOTTLE

----- Serial No. ----- Date Bottle Filled ----- Date to be Invoiced ----- 1/11/80

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 1½% per month, equal to 18% 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 Company, Inc.

Authorized by Timothy D. Hellman

WESTERN TESTING CO., INC.
Pressure Data

Date	1/11/80	Test Ticket No.	4421
Recorder No.	2607	Capacity	4150
Clock No.	--	Location	2402
Elevation 1597 Ground Level		Well Temperature	95 °F
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1284 P.S.I.	Open Tool	7:00A M
B First Initial Flow Pressure	193 P.S.I.	First Flow Pressure	30 Mins. 30 Mins.
C First Final Flow Pressure	512 P.S.I.	Initial Closed-in Pressure	60 Mins. 60 Mins.
D Initial Closed-in Pressure	851 P.S.I.	Second Flow Pressure	15 Mins. 15 Mins.
E Second Initial Flow Pressure	529 P.S.I.	Final Closed-in Pressure	60 Mins. 60 Mins.
F Second Final Flow Pressure	569 P.S.I.		
G Final Closed-in Pressure	850 P.S.I.		
H Final Hydrostatic Mud	1259 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point	Breakdown: of _____ final inc. of _____	Point	Breakdown: of _____ final inc. of _____	Point	Breakdown: of _____ final inc. of _____	Point	Breakdown: of _____ final inc. of _____
Mins.	Press.	Minutes	Press.	Minutes	Press.	Minutes	Press.
P 1 0	193	0	512	0	529	0	569
P 2 5	199	3	750	5	550	3	766
P 3 10	265	6	789	10	592	6	797
P 4 15	339	9	804	15	569	9	874
P 5 20	394	12	814			12	824
P 6 25	449	15	824			15	829
P 7 30	512	18	831			18	832
P 8		21	837			21	834
P 9		24	841			24	837
P10		27	843			27	839
P11		30	845			30	841
P12		33	846			33	842
P13		36	847			36	843
P14		39	848			39	844
P15		42	849			42	845
P16		45	850			45	845
P17		48	851			48	846
P18		51	851			51	847
P19		54	851			54	848
P20		57	851			57	848