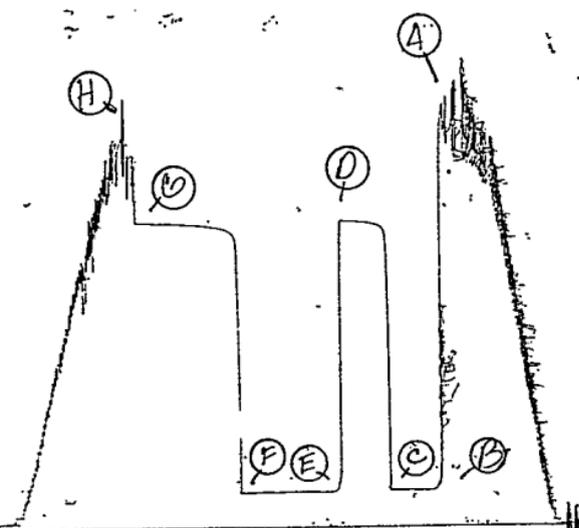


13354

D-ST #1

TRK # 4050
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 4050

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

Elevation 1991 G.L. Formation Toppoka Eff. Pay Ft.

District Pratt Date 11-8-79 Customer Order No.

COMPANY NAME Raymond Oil Company, INC

ADDRESS 200 W Douglas Wichita Ks. 67202

LEASE AND WELL NO Carr #2 COUNTY Barber STATE Ks Sec. 26 Twp. 32S Rge. 15W

Mail Invoice To Co. Name Address No. Copies Requested Req

Mail Charts To Address No. Copies Requested Req

Formation Test No. 1 Interval Tested from 3606 ft. to 3645 ft. Total Depth 3645 ft.

Packer Depth 3606 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) 3609 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3612 ft. Recorder Number 4502405 Cap. 4150

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Graves Drilling Co., Inc. Drill Collar Length 104 I. D. 2 1/4 in.

Mud Type Drispac Viscosity 43 Weight Pipe Length I. D. in.

Weight 9.1 Water Loss 20. cc. Drill Pipe Length 3487 I. D. 3.8 in.

Chlorides 25,000 P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 O.D. in.

Jars: Make No Serial Number Anchor Length 39 ft. Size 5 1/2 O.D. in.

Did Well Flow? No Reversed Out 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: Strong blow through out test - gas to surface in 3 min. See flow chart

Recovered 94 ft. of Gas cut drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:50 AM P.M. Time Started Off Bottom 4:50 AM P.M. Maximum Temperature 103°

Initial Hydrostatic Pressure (A) 1900 P.S.I.

Initial Flow Period Minutes 30 (B) 179 P.S.I. to (C) 168 P.S.I.

Initial Closed In Period Minutes 30 (D) 1300 P.S.I.

Final Flow Period Minutes 60 (E) 168 P.S.I. to (F) 168 P.S.I.

Final Closed In Period Minutes 60 (G) 1350 P.S.I.

Final Hydrostatic Pressure (H) 1794 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 [Signature] Signature of Customer or his authorized representative

Western Representative Mike Witt - Thank you!

FIELD INVOICE

- Open Hole Test \$ 2500.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

TOTAL \$ 2500.00



GAS FLOW REPORT

Nº 1811

Date 11-8-79 Ticket # 4050 Company Raymond Oil Co., Inc.
Well Name and No. Carr #2 Dst No. 1 Interval Tested 3606-3645
County Barber State Ks Sec. 26 Twp. 32S Rg. 15W

Time Gauge in Min.	P.S.I. on Merla, Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW

1:50					Val open
1:53					gas to surface m.c.f.p.d.
2:00	6	1/4			599.000
2:10	6.5	{			626.000
2:20	7.0	}			653.000

SECOND FLOW

2:50					Val opened
3:10	7.5	1/4			677.000
3:20	7.5	{			677.000
3:30	8.0	}			700.000
3:40	8.0	{			
3:50	8.0	}			
4:00	8.0	{			

GAS BOTTLE

Serial No. 602 Date Bottle Filled 11-8-79 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., Inc.
Authorized by Timothy D. McEllan

Company Raymond Oil Company, Inc. Lease & Well No. Carr #2
 Elevation 1991 Ground Level] Formation Topeka Effective Pay --- Ft. Ticket No. 4050
 Date 11/8/79 Sec. 26 Twp. 32S Range 15W County Barber State Kansas
 Test Approved by T. A. Hellman Western Representative Mike Tritt

Formation Test No. 1 Interval Tested from 3606 ft. to 3645 ft. Total Depth 3645 ft.
 Packer Depth 3606 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) 3609 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 3612 ft. Recorder Number 2605 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Graves Drilling Co., Inc. Drill Collar Length 104 I. D. 2 1/4 in.
 Mud Type drispac Viscosity 43 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 20. cc. Drill Pipe Length 3487 I. D. 3.8 in.
 Chlorides 25,000 P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 39 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out - 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 test. Gas to surface in three minutes. See attached sheet for gas measurements.

Recovered 94 ft. of gas cut drilling mud
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:50 ^{-A.M.} P.M. Time Started Off Bottom 4:50 ^{-A.M.} P.M. Maximum Temperature 103⁰
 Initial Hydrostatic Pressure (A) 1896 P.S.I.
 Initial Flow Period Minutes 30 (B) 173 P.S.I. to (C) 156 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1349 P.S.I.
 Final Flow Period Minutes 60 (E) 169 P.S.I. to (F) 148 P.S.I.
 Final Closed In Period Minutes 63 (G) 1345 P.S.I.
 Final Hydrostatic Pressure (H) 1794 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11-8-79 Test Ticket No. 4050
 Recorder No. 3354 Capacity 4200 Location 3609 Ft.
 Clock No. _____ Elevation 1991 Well Temperature 103 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1896</u> P.S.I.		<u>1.50</u> P _M	
B. First Initial Flow Pressure	<u>173</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>156</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>1349</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E. Second Initial Flow Pressure	<u>169</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F. Second Final Flow Pressure	<u>148</u> P.S.I.			
G. Final Closed-in Pressure	<u>1345</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1794</u> 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>10</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>21</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>173</u>	0	<u>156</u>	0	<u>169</u>	0	<u>148</u>
P 2	<u>158</u>	3	<u>555</u>	5	<u>150</u>	3	<u>643</u>
P 3	<u>156</u>	6	<u>1116</u>	10		6	<u>1217</u>
P 4		9	<u>1321</u>	15		9	<u>1302</u>
P 5		12	<u>1331</u>	20		12	<u>1312</u>
P 6		15	<u>1338</u>	25		15	<u>1319</u>
P 7	<u>156</u>	18	<u>1342</u>	30		18	<u>1323</u>
P 8		21	<u>1344</u>	35		21	<u>1327</u>
P 9		24	<u>1346</u>	40		24	<u>1330</u>
P 10		27	<u>1348</u>	45		27	<u>1333</u>
P 11		30	<u>1349</u>	50	<u>150</u>	30	<u>1335</u>
P 12		33		55	<u>149</u>	33	<u>1336</u>
P 13		36		60	<u>148</u>	36	<u>1338</u>
P 14		39		65		39	<u>1339</u>
P 15		42		70		42	<u>1340</u>
P 16		45		75		45	<u>1341</u>
P 17		48		80		48	<u>1342</u>
P 18		51		85		51	<u>1343</u>
P 19		54		90		54	<u>1344</u>
P 20		57				57	<u>1345</u>
		60				60	<u>1345</u>
						63	<u>1345</u>
						66	<u>1345</u>

GAS FLOW REPORT

Date 11/8/79 Ticket 4050 Company Raymond Oil Company, Inc.
 Well Name and No. Carr #2 Dst No. 1 Interval Tested 3606'-3645'
 County Barber State Kansas Sec. 26 Twp. 32S Rg. 15W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
1:50 Tool Open PRE FLOW						
1:53		Gas to surface				
2:00	6 PSIG	1 1/4" orifice				599,000 CFPD
2:10	6.5 PSIG	1 1/4" orifice				626,000 CFPD
2:20	7.0 PSIG	1 1/4" orifice				653,000 CFPD

2:50 TOOL OPENED.			SECOND FLOW			
10 min.	7.5 PSIG	1 1/4" orifice				677,000 CFPD
20 min.	7.5 PSIG	1 1/4" orifice				677,000 CFPD
30 min.	8.0 PSIG	1 1/4" orifice				700,000 CFPD
40 min.	8.0 PSIG	1 1/4" orifice				700,000 CFPD
50 min.	8.0 PSIG	1 1/4" orifice				700,000 CFPD
60 min.	8.0 PSIG	1 1/4" orifice				700,000 CFPD

GAS BOTTLE

Serial No. 602 Date Bottle Filled 11/8/79 Date to be Invoiced 11/8/79

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 Company, Inc.

Authorized by T. A. Hellman

WESTERN TESTING CO., INC.

Pressure Data

Date 11/8/79 Test Ticket No. 4050
 Recorder No. 3354 Capacity 4200 Location 3609 Ft.
 Clock No. --- Elevation 1991 Ground Level Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	1896	P.S.I.	1:50P	M
B First Initial Flow Pressure	173	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	156	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1349	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	169	P.S.I.	60	Mins. 63 Mins.
F Second Final Flow Pressure	148	P.S.I.		
G Final Closed-in Pressure	1345	P.S.I.		
H Final Hydrostatic Mud	1794	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: 10 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: 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 0	173	0	156	0	169	0	148
P 2 5	158	3	555	5	150	3	643
P 3 10	156	6	1116	10	150	6	1217
P 4 15	156	9	1321	15	150	9	1302
P 5 20	156	12	1331	20	150	12	1312
P 6 25	156	15	1338	25	150	15	1319
P 7 30	156	18	1342	30	150	18	1323
P 8		21	1344	35	150	21	1327
P 9		24	1346	40	150	24	1330
P10		27	1348	45	150	27	1333
P11		30	1349	50	150	30	1335
P12				55	149	33	1336
P13				60	148	36	1338
P14						39	1339
P15						42	1340
P16						45	1341
P17						48	1342
P18						51	1343
P19						54	1344
P20						57	1345
						60	1345
						63	1345
						66	1345