



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 5269

Elevation 1968 G.L. Formation Kinderhook Sand Off. Pay Ft.

District H. Bevel Date 3-4-80 Customer Order No.
COMPANY NAME Raymond Oil Company, Inc.
ADDRESS New 9000 Plaza Suite 900 Wichita Mo.
LEASE AND WELL NO. MOORE #18 COUNTY Pratt STATE Ks. Sec. 12 Twp 26 Rge 14W
Mail Invoice To Same Co. Name Moore B-1 Address No. Copies Requested 5
Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4280 ft. to 4296 ft. Total Depth 4296 ft.
Packer Depth 4280 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4275 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 4286 ft. Recorder Number 10265 Cap. 7650
Bottom Recorder Depth (Outside) 4290 ft. Recorder Number 4339 Cap. 7300
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Murkin #19 Drill Collar Length 180 I. D. 2.2 in.
Mud Type SALT CLAY-STAR 4 Viscosity 44 Weight Pipe Length I. D. in.
Weight 9.5 Water Loss 7.2 cc. Drill Pipe Length 4073 I. D. 3.8 in.
Chlorides PPM. Test Tool Length 27 ft. Tool Size 4 1/2 in.
Jars: Make Yes WTC Serial Number 993410 Anchor Length 16 ft. Size 5 1/2 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 F in.

Blow: 1ST FLOW WEAK BLOW BUILDING TO STRONG IN 5 MIN
2ND FLOW STRONG BLOW G.T.S. IN 10 MIN (4 INCEP)

Recovered 120 ft. of GAS CUT OIL
Recovered 230 ft. of HEAVY MUD & GAS CUT OIL
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

RECEIVED
MAR 10 1980

Time Set Packer(s) 4:00 AM Time Started Off Bottom 7:30 AM Maximum Temperature 117°
Initial Hydrostatic Pressure 2209 P.S.I. (A) 2209 P.S.I. to (C) 103 P.S.I.
Initial Flow Period 30 Minutes (B) 103 P.S.I. to (F) 149 P.S.I.
Initial Closed In Period 45 Minutes (D) 1451 P.S.I.
Final Flow Period 45 Minutes (E) 149 P.S.I.
Final Closed In Period 90 Minutes (G) 1451 P.S.I.
Final Hydrostatic Pressure 2198 P.S.I. (H) 2198 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 Raymond E. Palmer
Signature of Customer or his authorized representative

Western Representative Don Delaney

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$ 275.00
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

TOTAL

\$ 825.00

GAS FLOW REPORT

Nº 1583

Date 3-4-80 Ticket 5269 Company Raymond Oil Co. Inc.
Well Name and No. Moore #1 B Dst No. 1 Interval Tested 4280-4296
County Pratt State Ks. Sec. 12 Twp. 26 Rg. 14w

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

[illegible]

SECOND FLOW

G.I.S. 1" 10 MIN.			
10	6 IW	1/4"	4.120mcFPD
20	6 IW	1/4	4.120
30	6 IW	1/4	4.120
40	6 IW	1/4	4.120
45	6 IW	1/4"	4.120

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 3-4-80 Test Ticket No. 5269
 Recorder No. 10265 Capacity 4650 Location 4286 Ft.
 Clock No. _____ Elevation 1968 H.P. Well Temperature 117 °F
 Point _____ Pressure _____ Time Given _____ Time Computed _____
 A Initial Hydrostatic Mud 2250 ~~1405~~ P.S.I. Open Tool 4:00 P M
 B First Initial Flow Pressure 58 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 73 P.S.I. Initial Closed-in Pressure 45 Mins. 45 Mins.
 D Initial Closed-in Pressure 1405 P.S.I. Second Flow Pressure 45 Mins. 50 Mins.
 E Second Initial Flow Pressure 97 P.S.I. Final Closed-in Pressure 90 Mins. 90 Mins.
 F Second Final Flow Pressure 129 P.S.I.
 G Final Closed-in Pressure 1405 P.S.I.
 H Final Hydrostatic Mud 2208 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>58</u>	0	<u>73</u>	0	<u>97</u>	0	<u>129</u>
P 2 5	<u>52</u>	3	<u>290</u>	5	<u>90</u>	3	<u>281</u>
P 3 10	<u>55</u>	6	<u>544</u>	10	<u>96</u>	6	<u>456</u>
P 4 15	<u>62</u>	9	<u>1026</u>	15	<u>99</u>	9	<u>758</u>
P 5 20	<u>62</u>	12	<u>1265</u>	20	<u>104</u>	12	<u>1156</u>
P 6 25	<u>67</u>	15	<u>1319</u>	25	<u>111</u>	15	<u>1257</u>
P 7 30	<u>73</u>	18	<u>1344</u>	30	<u>115</u>	18	<u>1293</u>
P 8 35		21	<u>1360</u>	35	<u>119</u>	21	<u>1316</u>
P 9 40		24	<u>1372</u>	40	<u>123</u>	24	<u>1332</u>
P10 45		27	<u>1381</u>	45	<u>127</u>	27	<u>1344</u>
P11 50		30	<u>1390</u>	50	<u>129</u>	30	<u>1351</u>
P12 55		33	<u>1393</u>	55		33	<u>1357</u>
P13 60		36	<u>1396</u>	60		36	<u>1362</u>
P14		39	<u>1399</u>	65		39	<u>1367</u>
P15		42 <u>1402</u> 1405		70		42	<u>1372</u>
P16		45 <u>1405</u>		75		45	<u>1378</u>
P17		48		80		48	<u>1381</u>
P18		51		85		51	<u>1384</u>
P19		54		90		54	<u>1386</u>
P20		57				57	<u>1388</u>
		60				60	<u>1391</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 5269

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

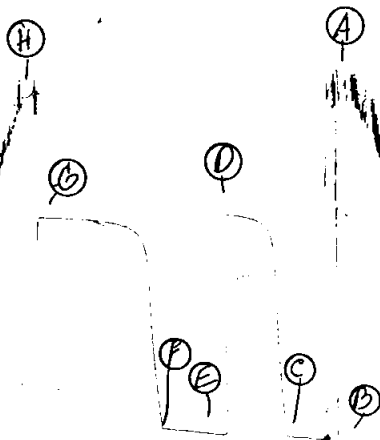
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	1393
P 2		66				66	1394
P 3		69				69	1396
P 4		72				72	1398
P 5		75				75	1399
P 6		78				78	1401
P 7		81				81	1402
P 8		84				84	1403
P 9		87				87	1404
P10		90				90	1405
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	

S 269

Net #5269
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Company Raymond Oil Company, Inc. Lease & Well No. Moore "B" #1
 Elevation 1968 Ground Level Formation Kinderhook Sand Effective Pay ----- Ft. Ticket No. 5269
 Date 3/4/80 Sec. 12 Twp. 26S Range 14W County Pratt State Kansas
 Test Approved by Raymond E. Palmer Western Representative Dan Delaney
 Formation Test No. 1 Interval Tested from 4280 ft. to 4296 ft. Total Depth 4296 ft.
 Packer Depth 4280 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4275 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4286 ft. Recorder Number 10265 Cap. 4650
 Bottom Recorder Depth (Outside) 4290 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Murfin Drilling Rig #19 Drill Collar Length 180 I. D. 2.2 in.
 Mud Type salt-clay-starch Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 7.2 cc. Drill Pipe Length 4073 I. D. 3.8 in.
 Chlorides ---- P.P.M. Test Tool Length 27 ft. Tool Size 4 1/2 in.
 Jars: Make WTC Serial Number 410 Anchor Length 16 ft. Size 5 1/2 in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: First flow, weak blow building to strong in five minutes. Second flow
strong blow. Gas to surface in ten minutes.

Recovered 120 ft. of gas cut oil
 Recovered 230 ft. of heavy mud and gas cut oil
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: _____

Time Set Packer(s) 4:00 ~~AM~~ PM Time Started Off Bottom 7:30 ~~AM~~ PM Maximum Temperature 117°
 Initial Hydrostatic Pressure (A) 2250 P.S.I.
 Initial Flow Period Minutes 30 (B) 58 P.S.I. to (C) 73 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1405 P.S.I.
 Final Flow Period Minutes 50 (E) 97 P.S.I. to (F) 129 P.S.I.
 Final Closed In Period Minutes 90 (G) 1405 P.S.I.
 Final Hydrostatic Pressure (H) 2208 P.S.I.

GAS FLOW REPORT

Date 3/4/80 Ticket 5269 Company Raymond Oil Company, Inc.
 Well Name and No. Moore "B" #1 Dst No. 1 Interval Tested 4280' - 4296'
 County Pratt State Kansas Sec. 12 Twp. 26S Rg. 14W

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 ten minutes. **SECOND FLOW**

10 min.	6"	of	water	1/4"	orifice	4,120 CFPD
20 min.	6"	of	water	1/4"	orifice	4,120 CFPD
30 min.	6"	of	water	1/4"	orifice	4,120 CFPD
40 min.	6"	of	water	1/4"	orifice	4,120 CFPD
45 min.	6"	of	water	1/4"	orifice	4,120 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 3/4/80

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 1 1/2% 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 Raymond E. Palmer

WESTERN TESTING CO., INC.

Pressure Data

Date 3/4/80 Test Ticket No. 5269
 Recorder No. 10265 Capacity 4650 Location 4286 Ft.
 Clock No. ----- Elevation 1968 Ground Level Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2250</u> P.S.I.	<u>4:00P</u>	<u>M</u>
B First Initial Flow Pressure	<u>58</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>73</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1405</u> P.S.I.	<u>45</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>97</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>129</u> P.S.I.		
G Final Closed-in Pressure	<u>1405</u> P.S.I.		
H Final Hydrostatic Mud	<u>2208</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>58</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>97</u>	<u>0</u>	<u>129</u>
P 2 <u>5</u>	<u>52</u>	<u>3</u>	<u>290</u>	<u>5</u>	<u>90</u>	<u>3</u>	<u>281</u>
P 3 <u>10</u>	<u>55</u>	<u>6</u>	<u>544</u>	<u>10</u>	<u>96</u>	<u>6</u>	<u>456</u>
P 4 <u>15</u>	<u>62</u>	<u>9</u>	<u>1026</u>	<u>15</u>	<u>99</u>	<u>9</u>	<u>758</u>
P 5 <u>20</u>	<u>62</u>	<u>12</u>	<u>1265</u>	<u>20</u>	<u>104</u>	<u>12</u>	<u>1156</u>
P 6 <u>25</u>	<u>67</u>	<u>15</u>	<u>1319</u>	<u>25</u>	<u>111</u>	<u>15</u>	<u>1251</u>
P 7 <u>30</u>	<u>73</u>	<u>18</u>	<u>1344</u>	<u>30</u>	<u>115</u>	<u>18</u>	<u>1293</u>
P 8		<u>21</u>	<u>1360</u>	<u>35</u>	<u>119</u>	<u>21</u>	<u>1316</u>
P 9		<u>24</u>	<u>1372</u>	<u>40</u>	<u>123</u>	<u>24</u>	<u>1332</u>
P10		<u>27</u>	<u>1381</u>	<u>45</u>	<u>127</u>	<u>27</u>	<u>1344</u>
P11		<u>30</u>	<u>1390</u>	<u>50</u>	<u>129</u>	<u>30</u>	<u>1351</u>
P12		<u>33</u>	<u>1393</u>			<u>33</u>	<u>1357</u>
P13		<u>36</u>	<u>1396</u>			<u>36</u>	<u>1362</u>
P14		<u>39</u>	<u>1399</u>			<u>39</u>	<u>1367</u>
P15		<u>42</u>	<u>1402</u>			<u>42</u>	<u>1372</u>
P16		<u>45</u>	<u>1405</u>			<u>45</u>	<u>1378</u>
P17						<u>48</u>	<u>1381</u>
P18						<u>51</u>	<u>1384</u>
P19						<u>54</u>	<u>1386</u>
P20						<u>57</u>	<u>1388</u>
						<u>60</u>	<u>1391</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3/4/80 Recorder No. 10265 Capacity 4650 Test Ticket No. 5269
 Clock No. ----- Elevation 1968 Ground Level Location 4286 Ft. 117
 Well Temperature ----- °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2250</u> P.S.I.	<u>4:00P</u>	<u>M</u>
B First Initial Flow Pressure	<u>58</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>73</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1405</u> P.S.I.	<u>45</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>97</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>129</u> P.S.I.		
G Final Closed-in Pressure	<u>1405</u> P.S.I.		
H Final Hydrostatic Mud	<u>2208</u> 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: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 10 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 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	1393
P 2						66	1394
P 3						69	1396
P 4						72	1398
P 5						75	1399
P 6						78	1401
P 7						81	1402
P 8						84	1403
P 9						87	1404
P10						90	1405
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							