



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 5436

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

Elevation _____ Formation Topeka Eff. Pay _____ Ft.

District Pratt Date 6-26-80 Customer Order No. _____

COMPANY NAME Raymond Oil Company, Inc.

ADDRESS One Main Place Suite 900 Wichita Ks 67202

LEASE AND WELL NO. Cline #1 COUNTY Barber STATE Ks Sec. 25 Twp. 32S Rge. 15W

Mail Invoice To Cline #1 Co. Name Same Address _____ No. Copies Requested Reg

Mail Charts To Same Address _____ No. Copies Requested Reg

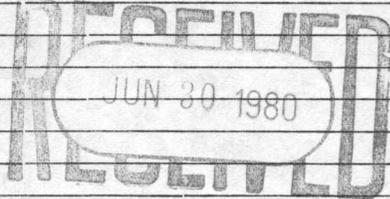
Formation Test No. 1 Interval Tested from 3581 ft. to 3620 ft. Total Depth 3620 ft.
Packer Depth 3576 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3581 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3586 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3589 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Murphy 19 Drill Collar Length _____ I. D. _____ in.
Mud Type Premix Viscosity 35 Weight Pipe Length _____ I. D. _____ in.
Weight 9.5 Water Loss 16.4 cc. Drill Pipe Length 3560 ft. I. D. 4.0 in.
Chlorides 40,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make _____ Serial Number _____ Anchor Length 39 ft. Size 4 1/2 in.
Did Well Flow? _____ Reversed Out _____ 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 in.

Blow: Strong GTS in 1 1/2 minute

Recovered 120 ft. of DRUG MUD
Recovered _____ ft. of 764 MCFPD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____



Remarks: _____
ON LOC: 5:00 PM Pickup Tool: 8:00 PM OFF-LOC: 5:00 PM
Time Set Packer(s) 11 30 ^{AM}/_{PM} Time Started Off Bottom 1:30 ^{AM}/_{PM} Maximum Temperature 106°
Initial Hydrostatic Pressure _____ (A) 1867 1874 P.S.I.
Initial Flow Period _____ Minutes 3 030 (B) 2 33 264 P.S.I. to (C) 2 00 224 P.S.I.
Initial Closed In Period _____ Minutes 3 027 (D) 1 35 0 1358 P.S.I.
Final Flow Period _____ Minutes 3 030 (E) 2 44 267 P.S.I. to (F) 2 22 227 P.S.I.
Final Closed In Period _____ Minutes 30 30 (G) 1 35 0 1357 P.S.I.
Final Hydrostatic Pressure _____ (H) 1768 1775 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 Jim Hellman Signature of Customer or his authorized representative

Western Representative Stuart Stover

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage 47 x 1.54 35.25
Fluid Sampler \$ _____
Extra Charts \$ _____
TOTAL \$ 585.25
550.00



GAS FLOW REPORT

Nº 1959

Date 6-26-80 Ticket 5436 Company RAYMOND Oil Co. Inc.
Well Name and No. CLINE #1 Dst No. 1 Interval Tested 3581-3620
County BARBER State KANSAS Sec. 25 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 |
|-----------------------------------|-------------------------------------|-----------------|------------------------|------------------------------|---------------------|
| <i>Get Sample IN 1 1/2 MINUTE</i> | | | | | |
| PRE FLOW | | | | | |
| 5 MIN | 2.0 LBS | 1 1/2 orifice | | | 527,000 CFPA |
| 10 | 2.5 | 1 1/2 orifice | | | 595,000 CFPA |
| 20 | 3.0 | 1 1/2 orifice | | | 654,000 CFPA |
| 30 | 3.0 | 1 1/2 orifice | | | 654,000 CFPA |
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| SECOND FLOW | | | | | |
|--------------------|---------|---------------|--|--|--------------|
| 10 | 4.0 lbs | 1 1/2 orifice | | | 764,000 CFPA |
| 20 | 4.0 | 1 1/2 orifice | | | 764,000 CFPA |
| 30 | 4.0 | 1 1/2 orifice | | | 764,000 CFPA |
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GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced 6-26-80

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% 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 Leon Hellenan
(listed)

WESTERN TESTING CO., INC.

Pressure Data

Date 6-26 Test Ticket No. 5436
 Recorder No. 11018 Capacity 4425 Location 3586 Ft.
 Clock No. _____ Elevation _____ Well Temperature 106 °F

| Point | Pressure | Unit | Open Tool | Time Given | Time Computed |
|--------------------------------|-------------|--------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud | <u>1874</u> | P.S.I. | | <u>11:30</u> P | <u>30</u> M |
| B First Initial Flow Pressure | <u>264</u> | P.S.I. | Open Tool | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure | <u>224</u> | P.S.I. | First Flow Pressure | <u>30</u> Mins. | <u>27</u> Mins. |
| D Initial Closed-in Pressure | <u>1358</u> | P.S.I. | Initial Closed-in Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| E Second Initial Flow Pressure | <u>267</u> | P.S.I. | Second Flow Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| F Second Final Flow Pressure | <u>227</u> | P.S.I. | Final Closed-in Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| G Final Closed-in Pressure | <u>1357</u> | P.S.I. | | | |
| H Final Hydrostatic Mud | <u>1775</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: 9 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 6 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 Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|-----------|---------------|------------|---------------|-------------|---------------|-------------|
| P 1 | <u>0</u> | <u>0</u> | <u>264</u> | <u>0</u> | <u>224</u> | <u>0</u> | <u>227</u> |
| P 2 | <u>5</u> | <u>3</u> | <u>258</u> | <u>3</u> | <u>1194</u> | <u>3</u> | <u>1178</u> |
| P 3 | <u>10</u> | <u>6</u> | <u>238</u> | <u>6</u> | <u>1271</u> | <u>6</u> | <u>1258</u> |
| P 4 | <u>15</u> | <u>9</u> | <u>230</u> | <u>9</u> | <u>1300</u> | <u>9</u> | <u>1291</u> |
| P 5 | <u>20</u> | <u>12</u> | <u>227</u> | <u>12</u> | <u>1319</u> | <u>12</u> | <u>1310</u> |
| P 6 | <u>25</u> | <u>15</u> | <u>224</u> | <u>15</u> | <u>1331</u> | <u>15</u> | <u>1324</u> |
| P 7 | <u>30</u> | <u>18</u> | <u>224</u> | <u>18</u> | <u>1342</u> | <u>18</u> | <u>1333</u> |
| P 8 | <u>35</u> | <u>21</u> | | <u>21</u> | <u>1348</u> | <u>21</u> | <u>1341</u> |
| P 9 | <u>40</u> | <u>24</u> | | <u>24</u> | <u>1352</u> | <u>24</u> | <u>1346</u> |
| P10 | <u>45</u> | <u>27</u> | | <u>27</u> | <u>1358</u> | <u>27</u> | <u>1350</u> |
| P11 | <u>50</u> | <u>30</u> | | <u>30</u> | | <u>30</u> | <u>1357</u> |
| P12 | <u>55</u> | <u>33</u> | | <u>33</u> | | <u>33</u> | |
| P13 | <u>60</u> | <u>36</u> | | <u>36</u> | | <u>36</u> | |
| P14 | | <u>39</u> | | <u>39</u> | | <u>39</u> | |
| P15 | | <u>42</u> | | <u>42</u> | | <u>42</u> | |
| P16 | | <u>45</u> | | <u>45</u> | | <u>45</u> | |
| P17 | | <u>48</u> | | <u>48</u> | | <u>48</u> | |
| P18 | | <u>51</u> | | <u>51</u> | | <u>51</u> | |
| P19 | | <u>54</u> | | <u>54</u> | | <u>54</u> | |
| P19 | | <u>57</u> | | <u>57</u> | | <u>57</u> | |
| P20 | | <u>60</u> | | <u>60</u> | | <u>60</u> | |

Company Raymond Oil Company, Inc. Lease & Well No. Cline #1
 Elevation -- Formation Topeka Effective Pay -- Ft. Ticket No. 5436
 Date 6-26-80 Sec. 25 Twp. 32 S Range 15 W County Barber State Kansas
 Test Approved by Tim Hellman Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 3581 ft. to 3620 ft. Total Depth 3620 ft.
 Packer Depth 3576 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 3581 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3586 ft. Recorder Number 11018 Cap. 4425
 Bottom Recorder Depth (Outside) 3589 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Murfin Drilling Co. Rig #19 Drill Collar Length -- I. D. -- in.
 Mud Type Premix Viscosity 35 Weight Pipe Length -- I. D. -- in.
 Weight 9.5 Water Loss 16.4 cc. Drill Pipe Length 3560 Ft. I. D. 4.0 in.
 Chlorides 40,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
 Jars: Make -- Serial Number -- Anchor Length 39 ft. Size 4 1/2 in.
 Did Well Flow? -- Reversed Out -- 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 in.

Blow: Strong Gas to Surface in 1 1/2 minutes. See attached sheet for gas measurements.

Recovered 120 ft. of Drilling Mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 11:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:30 ~~A.M.~~ P.M. Maximum Temperature 106⁰
 Initial Hydrostatic Pressure (A) 1874 P.S.I.
 Initial Flow Period Minutes 30 (B) 264 P.S.I. to (C) 224 P.S.I.
 Initial Closed In Period Minutes 27 (D) 1358 P.S.I.
 Final Flow Period Minutes 30 (E) 267 P.S.I. to (F) 227 P.S.I.
 Final Closed In Period Minutes 30 (G) 1357 P.S.I.
 Final Hydrostatic Pressure (H) 1775 P.S.I.

GAS FLOW REPORT

Date 6/26/80 Ticket 5436 Company Raymond Oil Company, Inc.
 Well Name and No. Cline #1 Dst No. 1 Interval Tested 3581'-3620'
 County Barber State Kansas Sec. 25 Twp. 32S Rg. 15W

| 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 one and one-half minute. PRE FLOW | | | | | | |
| | 5 min. | 2.0 lbs. | 1½" orifice | | | 527,000 CFPD |
| | 10 min. | 2.5 lbs. | 1½" orifice | | | 595,000 CFPD |
| | 20 min. | 3.0 lbs. | 1½" orifice | | | 654,000 CFPD |
| | 30 min. | 3.0 lbs. | 1½" orifice | | | 654,000 CFPD |

| SECOND FLOW | | | | | | |
|--------------------|---------|----------|-------------|--|--|--------------|
| | 10 min. | 4.0 lbs. | 1½" orifice | | | 764,000 CFPD |
| | 20 min. | 4.0 lbs. | 1½" orifice | | | 764,000 CFPD |
| | 30 min. | 4.0 lbs. | 1½" orifice | | | 764,000 CFPD |
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GAS BOTTLE

Serial No. ---- Date Bottle Filled ----- Date to be Invoiced 6/26/80

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 Tim Hellman

WESTERN TESTING CO., INC.

Pressure Data

Date 6-26-80 Test Ticket No. 5436
 Recorder No. 11018 Capacity 4425 Location 3586 Ft.
 Clock No. - Elevation - Well Temperature 106 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|-------------|----------------------------|------------|---------------|
| A Initial Hydrostatic Mud | 1874 P.S.I. | Open Tool | 11:30 P M | |
| B First Initial Flow Pressure | 264 P.S.I. | First Flow Pressure | 30 Mins | 30 Mins |
| C First Final Flow Pressure | 224 P.S.I. | Initial Closed-in Pressure | 30 Mins | 27 Mins |
| D Initial Closed-in Pressure | 1358 P.S.I. | Second Flow Pressure | 30 Mins | 30 Mins |
| E Second Initial Flow Pressure | 267 P.S.I. | Final Closed-in Pressure | 30 Mins | 30 Mins |
| F Second Final Flow Pressure | 227 P.S.I. | | | |
| G Final Closed-in Pressure | 1357 P.S.I. | | | |
| H Final Hydrostatic Mud | 1775 P.S.I. | | | |

PRESSURE BREAKDOWN

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|--|--|---|---|
| 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>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. |
|--|--|---|---|

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|--------|---------------|--------|---------------|--------|---------------|--------|
| P 1 0 | 264 | 0 | 224 | 0 | 267 | 0 | 227 |
| P 2 5 | 258 | 3 | 1194 | 5 | 260 | 3 | 1178 |
| P 3 10 | 238 | 6 | 1271 | 10 | 245 | 6 | 1258 |
| P 4 15 | 230 | 9 | 1300 | 15 | 238 | 9 | 1291 |
| P 5 20 | 227 | 12 | 1319 | 20 | 233 | 12 | 1310 |
| P 6 25 | 224 | 15 | 1331 | 25 | 230 | 15 | 1324 |
| P 7 30 | 224 | 18 | 1342 | 30 | 227 | 18 | 1333 |
| P 8 | | 21 | 1348 | | | 21 | 1341 |
| P 9 | | 24 | 1352 | | | 24 | 1346 |
| P10 | | 27 | 1358 | | | 27 | 1350 |
| P11 | | | | | | 30 | 1357 |
| P12 | | | | | | | |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
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| P20 | | | | | | | |