



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 4046

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 1518 KB Formation Swope Eff. Pay Ft.

R050 District Augusta Date 6-4-84 Customer Order No.
COMPANY NAME Raymond Oil Co. Inc.
ADDRESS One Main Place Suite 900 Wichita, KS 67202
LEASE AND WELL NO Bartholow #1 COUNTY BARBER STATE KS Sec. 3 Twp 33S Rge 12W
Mail Invoice To #1 BARTHLOW Same No. Copies Requested 1
Co. Name Address
Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. 1 Interval Tested From 4213 ft. to 4225 ft. Total Depth 4225 ft.
Packer Depth 4208 ft. Size 6.75 in. Packer Depth - ft. Size in.
Packer Depth 4213 ft. Size 6.75 in. Packer Depth - ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 4200 ft. Recorder Number 5666 Cap. 3950
Bottom Recorder Depth (Outside) 4220 ft. Recorder Number 13265 Cap. 3975
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor GRAVES Dlg. #1 Drill Collar Length 120 I. D. 2.25 in.
Mud Type Chem Viscosity 48 Weight Pipe Length - I. D. in.
Weight 96 Water Loss 20.0 cc. Drill Pipe Length 4068 I. D. 3.8 in.
Chlorides 10,000 P.P.M. Test Tool Length 25 ft. Tool Size 5.5 in.
Jars: Make - Serial Number Anchor Length 12 ft. Size 5.5 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 75 in. Bottom Choke Size 75 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak thru out

Recovered 130 ft. of Salt water R-W 1.2 @ 80' F
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides 94,000 P.P.M. Sample Jars used 2 Remarks:
RECEIVED JUN 06 1984

Time On Location 9:30 A.M. Time Pick Up Tool 10:00 A.M. Time Off Location 5:00 P.M.
Time Set Packer(s) 11:45 A.M. Time Started Off Bottom 2:45 P.M. Maximum Temperature 120°
Initial Hydrostatic Pressure (A) 2085 P.S.I.
Initial Flow Period Minutes 30 (B) 80 P.S.I. to (C) 120 P.S.I.
Initial Closed In Period Minutes 45 (D) 1705 P.S.I.
Final Flow Period Minutes 45 (E) 130 P.S.I. to (F) 140 P.S.I.
Final Closed In Period Minutes 60 (G) 1655 P.S.I.
Final Hydrostatic Pressure (H) 2085 P.S.I. #5666

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 Allen Edgington

FIELD INVOICE

Open Hole Test \$ 595.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$ 50.00
Telecopier \$
TOTAL \$ 645.00

WESTERN TESTING CO., INC.

Pressure Data

Date: 6-4-84 Recorder No. 5666 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Test Ticket No. 4046

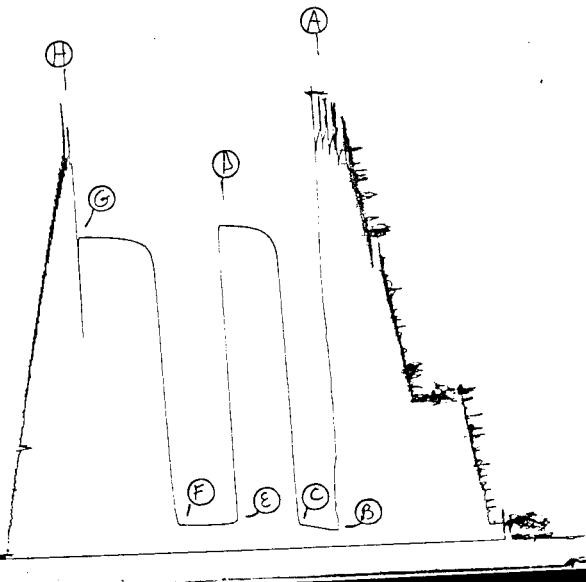
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2070</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>79</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	Mins.
C First Final Flow Pressure	<u>117</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	Mins.
D Initial Closed-in Pressure	<u>1696</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	Mins.
E Second Initial Flow Pressure	<u>131</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	Mins.
F Second Final Flow Pressure	<u>137</u> P.S.I.			
G Final Closed-in Pressure	<u>1660</u> P.S.I.			
H Final Hydrostatic Mud	<u>2070</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>22</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>79</u>	<u>0</u>	<u>117</u>	<u>0</u>	<u>131</u>	<u>0</u>	<u>137</u>
P 2 <u>5</u>	<u>81</u>	<u>3</u>	<u>597</u>	<u>5</u>	<u>132</u>	<u>3</u>	<u>302</u>
P 3 <u>10</u>	<u>86</u>	<u>6</u>	<u>1154</u>	<u>10</u>	<u>132</u>	<u>6</u>	<u>626</u>
P 4 <u>15</u>	<u>95</u>	<u>9</u>	<u>1522</u>	<u>15</u>	<u>132</u>	<u>9</u>	<u>1205</u>
P 5 <u>20</u>	<u>102</u>	<u>12</u>	<u>1602</u>	<u>20</u>	<u>132</u>	<u>12</u>	<u>1542</u>
P 6 <u>25</u>	<u>110</u>	<u>15</u>	<u>1631</u>	<u>25</u>	<u>133</u>	<u>15</u>	<u>1588</u>
P 7 <u>30</u>	<u>117</u>	<u>18</u>	<u>1650</u>	<u>30</u>	<u>133</u>	<u>18</u>	<u>1612</u>
P 8 <u>35</u>		<u>21</u>	<u>1664</u>	<u>35</u>	<u>134</u>	<u>21</u>	<u>1620</u>
P 9 <u>40</u>		<u>24</u>	<u>1672</u>	<u>40</u>	<u>135</u>	<u>24</u>	<u>1628</u>
P10 <u>45</u>		<u>27</u>	<u>1676</u>	<u>45</u>	<u>137</u>	<u>27</u>	<u>1634</u>
P11 <u>50</u>		<u>30</u>	<u>1680</u>	<u>50</u>		<u>30</u>	<u>1640</u>
P12 <u>55</u>		<u>33</u>	<u>1684</u>	<u>55</u>		<u>33</u>	<u>1643</u>
P13 <u>60</u>		<u>36</u>	<u>1687</u>	<u>60</u>		<u>36</u>	<u>1646</u>
P14		<u>39</u>	<u>1689</u>	<u>65</u>		<u>39</u>	<u>1649</u>
P15		<u>42</u>	<u>1691</u>	<u>70</u>		<u>42</u>	<u>1651</u>
P16		<u>45</u>	<u>1693</u>	<u>75</u>		<u>45</u>	<u>1652</u>
P17		<u>48</u>	<u>1695</u>	<u>80</u>		<u>48</u>	<u>1655</u>
P18		<u>51</u>	<u>1696</u>	<u>85</u>		<u>51</u>	<u>1656</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>1657</u>
P20		<u>57</u>				<u>57</u>	<u>1658</u>
		<u>60</u>				<u>60</u>	<u>1659</u>
						<u>62</u>	<u>1660</u>

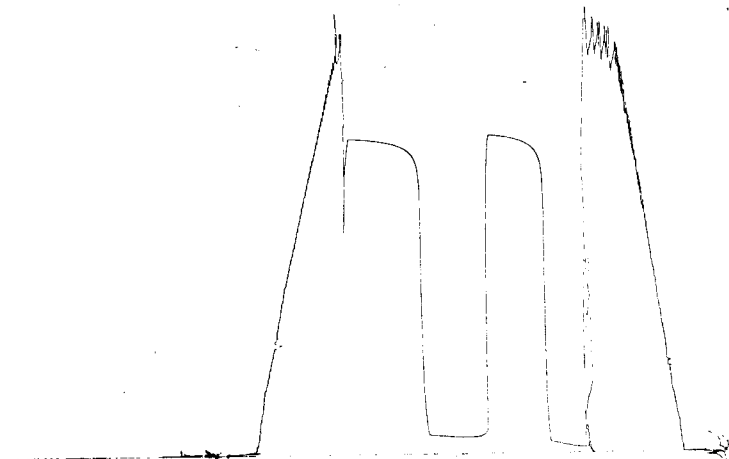
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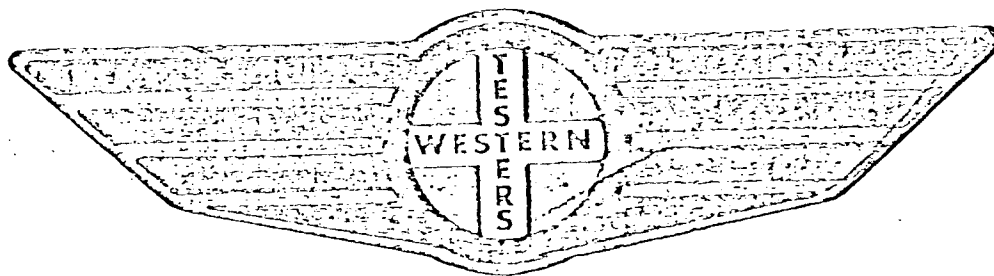
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FORMATION

TEST

REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

Company RAYMOND OIL COMPANY

Lease and Well No. #1 BARTHOLOM

Sec. 3

Twp. 33S

Rge. 12W

Test No. 1

Date 5/4/64

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/4/84
CUSTOMER: RAYMOND OIL COMPANY INC.
WELL: 1
ELEVATION (KB): 1518
SECTION: 3
RANGE: 12W
GAUGE SN #5666

TEST: 1
FORMATION: SWOPE
TOWNSHIP: 33S
COUNTY: BARBER
RANGE: 3950

TICKET #4046
LEASE: BARTHOLOW
GEOLOGIST: PALMER
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4213 FT TO: 4225 FT TOTAL DEPTH: 4225 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4208 FT SIZE: 6 3/4 IN Packer DEPTH: 4213 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: GRAVES DRLG

MUD TYPE: CHEMICAL VISCOSITY: 48
WEIGHT: 9.6 WATER LOSS (CC): 20.0
CHLORIDES (P.P.M.): 10000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4068 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 12 FT SIZE: 5 1/2 IN
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 XH IN

BLOW: WEAK BLOW THROUGHOUT TEST.

RECOVERED: 130 FT OF: SALT WATER. R-W 1.2 AT 80 DEGREES.
RECOVERED: FT OF: CHLORIDES 94000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 11:45 AM

TIME STARTED OFF BOTTOM: 2:45 PM

WELL TEMPERATURE: 120 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 51

FINAL FLOW PERIOD MIN: 45

FINAL CLOSED IN PERIOD MIN: 63

FINAL HYDROSTATIC PRESSURE

(A) 2070 PSI

(B) 79 PSI TO (C) 117 PSI

(D) 1696 PSI

(E) 131 PSI TO (F) 137 PSI

(G) 1660 PSI

(H) 2070 PSI

