



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO: 10412

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation 1205 Formation Carb Eff. Pay Ft.

COMPANY NAME: ROCI George Oil Company, Inc.
ADDRESS: 240 Page Court, 220 West Douglas Wichita, Ks 67202
LEASE AND WELL NO: Waite #1 COUNTY: Cowley STATE: Ks
Mail Invoice To: Same Waite #1
Mail Charts To: Same

Formation Test No. 1 Interval Tested from 3359 ft. to 3369 ft. Total Depth 3369 3354 ft.
Packer Depth 3344 ft. Size 6 3/4 in.
Packer Depth 3339 ft. Size 6 3/4 in.

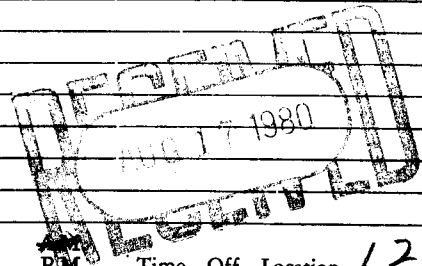
Top Recorder Depth (Inside) 3363 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 3366 ft. Recorder Number 10979 Cap. 4100
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor: Co tools #3
Mud Type: Chem Viscosity: 54
Weight: 9.5 Water Loss: 120 cc.
Chlorides: 1200 P.P.M.
Jars: Make NO Serial Number
Did Well Flow? NO Reversed Out

Blow: good blow partial flow period
second flow good blow decreasing to very wk on final flow period

Recovered 3000 ft. of Salt water
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:



Time On Location 3:00 P.M. Time Pick Up Tool 3:45 P.M. Time Off Location 12:25 P.M.
Time Set Packer(s) 5:55 A.M. Time Started Off Bottom 9:25 A.M.
Initial Hydrostatic Pressure (A) 1671 P.S.I.
Initial Flow Period Minutes 30 (B) 126 P.S.I. to (C) 684 P.S.I.
Initial Closed In Period Minutes 30 (D) 1306 P.S.I.
Final Flow Period Minutes 60 (E) 787 P.S.I. to (F) 1256 P.S.I.
Final Closed In Period Minutes 90 (G) 1306 P.S.I.
Final Hydrostatic Pressure (H) 1671 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 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.
Test Approved By: TIM J. LAUER
Signature of Customer or his authorized representative
Western Representative: Kenny Kurbendall

FIELD INVOICE
Open Hole Test \$ 625.00
Miscrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$ 35.00
Mileage \$ 18.75
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 678.75

WESTERN TESTING CO., INC.

Pressure Data

Date: 8-13 Test Ticket No. 10412
 Recorder No. 2605 Capacity 4150 Location 3363 Ft
 Clock No. --- Elevation 1205 KB Well Temperature 122 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1671</u> P.S.I.	<u>5:55</u> P.M.	
B First Initial Flow Pressure	<u>133</u> P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>699</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1304</u> P.S.I.	<u>60</u> Mins.	<u>65</u> Mins.
E Second Initial Flow Pressure	<u>792</u> P.S.I.	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>1275</u> P.S.I.		
G Final Closed-in Pressure	<u>1312</u> P.S.I.		
H Final Hydrostatic Mud	<u>1646</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>10</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>31</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>0</u>	<u>699</u>	<u>0</u>	<u>792</u>	<u>0</u>	<u>1275</u>
P 2	<u>5</u>	<u>3</u>	<u>1215</u>	<u>5</u>	<u>804</u>	<u>3</u>	<u>1288</u>
P 3	<u>10</u>	<u>6</u>	<u>1250</u>	<u>10</u>	<u>865</u>	<u>6</u>	<u>1296</u>
P 4	<u>15</u>	<u>9</u>	<u>1271</u>	<u>15</u>	<u>923</u>	<u>9</u>	<u>1302</u>
P 5	<u>20</u>	<u>12</u>	<u>1282</u>	<u>20</u>	<u>983</u>	<u>12</u>	<u>1304</u>
P 6	<u>25</u>	<u>15</u>	<u>1292</u>	<u>25</u>	<u>1035</u>	<u>15</u>	<u>1307</u>
P 7	<u>30</u>	<u>18</u>	<u>1296</u>	<u>30</u>	<u>1081</u>	<u>18</u>	<u>1308</u>
P 8	<u>35</u>	<u>21</u>	<u>1298</u>	<u>35</u>	<u>1122</u>	<u>21</u>	<u>1308</u>
P 9	<u>40</u>	<u>24</u>	<u>1300</u>	<u>40</u>	<u>1159</u>	<u>24</u>	<u>1309</u>
P10	<u>45</u>	<u>27</u>	<u>1302</u>	<u>45</u>	<u>1190</u>	<u>27</u>	<u>1309</u>
P11	<u>50</u>	<u>30</u>	<u>1304</u>	<u>50</u>	<u>1219</u>	<u>30</u>	<u>1310</u>
P12	<u>55</u>	<u>33</u>		<u>55</u>	<u>1240</u>	<u>33</u>	
P13	<u>60</u>	<u>36</u>		<u>60</u>	<u>1261</u>	<u>36</u>	
P14		<u>39</u>		<u>65</u>	<u>1275</u>	<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	<u>1310</u>

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 10412

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

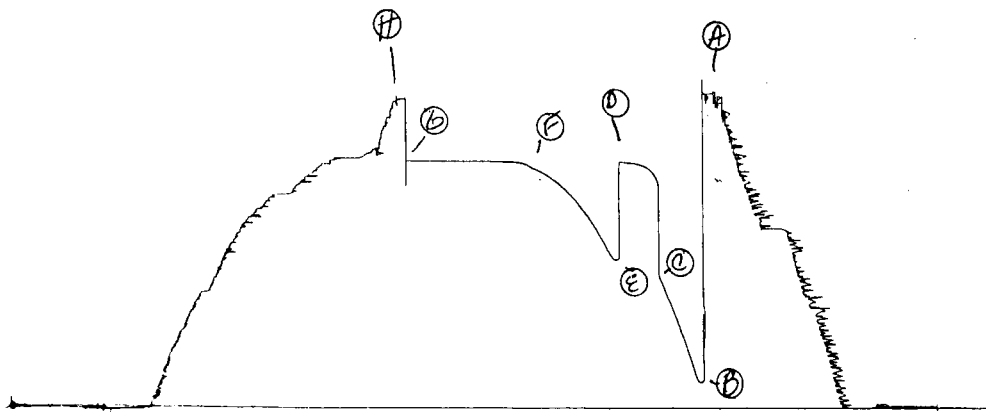
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in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

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.
	Press.	Point Minutes	Point Minutes	Point Minutes
P 1 _____	_____	63	_____	63
P 2 _____	_____	66	_____	66
P 3 _____	_____	69	_____	69
P 4 _____	_____	72	_____	72
P 5 _____	_____	75	_____	75
P 6 _____	_____	78	_____	78
P 7 _____	_____	81	_____	81
P 8 _____	_____	84	_____	84
P 9 _____	_____	87	_____	87
P10 _____	_____	90	_____	90
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

2605

TKT # 10412
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Company Range Oil Company, Inc. Lease & Well No. Waite #1
 Elevation 1205 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 10412
 Date 8/13/81 Sec. 13 Twp. 31S Range 3E County Cowley State Kansas
 Test Approved by Tim J Lauer Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 3344 ft. to 3354 ft. Total Depth 3354 ft.
 Packer Depth 3344 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3339 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3363 ft. Recorder Number 2605 Cap. 4150
 Bottom Recorder Depth (Outside) 3366 ft. Recorder Number 10979 Cap. 4100
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range Drilling Rig #3 Drill Collar Length 30 I. D. - in.
 Mud Type Chemical Viscosity 54 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 12.0 cc. Drill Pipe Length 3311 I. D. - in.
 Chlorides 1200 P.P.M. Test Tool Length 18 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 10 ft. Size 5 1/2 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 XH in.

Blow: Good blow initial flow period. Good blow decreasing to very weak on final flow period.

Recovered 3000 ft. of salt water
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 5:55 A.M. P.M. Time Started Off Bottom 9:25 A.M. P.M. Maximum Temperature 122
 Initial Hydrostatic Pressure (A) 1671 P.S.I.
 Initial Flow Period Minutes 35 (B) 133 P.S.I. to (C) 699 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1304 P.S.I.
 Final Flow Period Minutes 65 (E) 792 P.S.I. to (F) 1275 P.S.I.
 Final Closed In Period Minutes 93 (G) 1312 P.S.I.
 Final Hydrostatic Pressure (H) 1646 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/13/81 Test Ticket No. 10412
 Recorder No. 2605 Capacity 4150 Location 3363 Ft.
 Clock No. - Elevation 1205 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1671</u> P.S.I.	Open Tool	<u>5:55P</u>	<u>M</u>
B First Initial Flow Pressure	<u>133</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>699</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1304</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>65</u> Mins.
E Second Initial Flow Pressure	<u>792</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>1275</u> P.S.I.			
G Final Closed-in Pressure	<u>1312</u> P.S.I.			
H Final Hydrostatic Mud	<u>1646</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>7</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>13</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>31</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>0</u>	<u>133</u>	<u>0</u>	<u>699</u>	<u>0</u>	<u>792</u>	<u>0</u>	<u>1275</u>
P 2 <u>5</u>	<u>154</u>	<u>3</u>	<u>1215</u>	<u>5</u>	<u>804</u>	<u>3</u>	<u>1288</u>
P 3 <u>10</u>	<u>273</u>	<u>6</u>	<u>1250</u>	<u>10</u>	<u>865</u>	<u>6</u>	<u>1296</u>
P 4 <u>15</u>	<u>383</u>	<u>9</u>	<u>1271</u>	<u>15</u>	<u>923</u>	<u>9</u>	<u>1302</u>
P 5 <u>20</u>	<u>483</u>	<u>12</u>	<u>1282</u>	<u>20</u>	<u>983</u>	<u>12</u>	<u>1304</u>
P 6 <u>25</u>	<u>572</u>	<u>15</u>	<u>1292</u>	<u>25</u>	<u>1035</u>	<u>15</u>	<u>1307</u>
P 7 <u>30</u>	<u>659</u>	<u>18</u>	<u>1296</u>	<u>30</u>	<u>1081</u>	<u>18</u>	<u>1308</u>
P 8 <u>35</u>	<u>699</u>	<u>21</u>	<u>1298</u>	<u>35</u>	<u>1122</u>	<u>21</u>	<u>1308</u>
P 9 _____	_____	<u>24</u>	<u>1300</u>	<u>40</u>	<u>1159</u>	<u>24</u>	<u>1309</u>
P10 _____	_____	<u>27</u>	<u>1302</u>	<u>45</u>	<u>1190</u>	<u>27</u>	<u>1309</u>
P11 _____	_____	<u>30</u>	<u>1304</u>	<u>50</u>	<u>1219</u>	<u>30</u>	<u>1310</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>1240</u>	<u>33</u>	<u>1310</u>
P13 _____	_____	_____	_____	<u>60</u>	<u>1261</u>	<u>36</u>	<u>1310</u>
P14 _____	_____	_____	_____	<u>65</u>	<u>1275</u>	<u>39</u>	<u>1310</u>
P15 _____	_____	_____	_____	_____	_____	<u>42</u>	<u>1310</u>
P16 _____	_____	_____	_____	_____	_____	<u>45</u>	<u>1310</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>1310</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>1310</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>1310</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>1310</u>
						<u>60</u>	<u>1310</u>

WESTERN TESTING CO., INC.
Pressure Data

Date 8/13/81

Test Ticket No. 10412

Recorder No. 2605 Capacity 4150 Location 3363 Ft.

Clock No. - Elevation 1205 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1671</u> P.S.I.	Open Tool	<u>5:55P</u> M	
B First Initial Flow Pressure	<u>133</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>699</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1304</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>65</u> Mins.
E Second Initial Flow Pressure	<u>792</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>1275</u> P.S.I.			
G Final Closed-in Pressure	<u>1312</u> P.S.I.			
H Final Hydrostatic Mud	<u>1646</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 7 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: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 31 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>63</u>	<u>1311</u>
P 2						<u>66</u>	<u>1311</u>
P 3						<u>69</u>	<u>1311</u>
P 4						<u>72</u>	<u>1311</u>
P 5						<u>75</u>	<u>1312</u>
P 6						<u>78</u>	<u>1312</u>
P 7						<u>81</u>	<u>1312</u>
P 8						<u>84</u>	<u>1312</u>
P 9						<u>87</u>	<u>1312</u>
P10						<u>90</u>	<u>1312</u>
P11						<u>93</u>	<u>1312</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							