



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 3667

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation 1312 Kb Formation Admire Eff. Pay Ft.

District Augusta Date 5/14/80 Customer Order No.

COMPANY NAME Range Oil Co Inc.

ADDRESS 225 W. Douglas 240 Page Court Wichita, Ks 67202

LEASE AND WELL NO Priest B #2 COUNTY Cowley STATE Ks Sec. 18 Twp. 33S Rge. 6E

Mail Invoice To Same Co. Name Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 581 ft. to 605 ft. Total Depth 605 ft.

Packer Depth 581 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 576 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 586 ft. Recorder Number 5666 Cap. 3950

Bottom Recorder Depth (Outside) 590 ft. Recorder Number 2605 Cap. 4150

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co tools #2 Drill Collar Length 338 I. D. in.

Mud Type Chem Viscosity B Weight Pipe Length I. D. in.

Weight Water Loss cc. Drill Pipe Length 203 I. D. in.

Chlorides P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make NO Serial Number Anchor Length 24 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out rw 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 x 4 in.

Blow: Weak blow building to face first flow period, fair blow throughout second flow period

Recovered 20 ft. of muddy water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Missed ICIP -

One location 4:30 AM, pickup tool 4:35 AM Job completed 10:00 AM 5-14-80

Time Set Packer(s) 5:30 A.M. Time Started Off Bottom 8:00 A.M. Maximum Temperature 87°

Initial Hydrostatic Pressure (A) 316 P.S.I.

Initial Flow Period Minutes 30 (B) 51 P.S.I. to (C) 51 P.S.I.

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

Final Flow Period Minutes 45 (E) 61 P.S.I. to (F) 51 P.S.I.

Final Closed In Period Minutes 45 (G) 214 P.S.I.

Final Hydrostatic Pressure (H) 316 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 Robert Olsen Signature of Customer or his authorized representative

Western Representative Kenny Kirkendall

FIELD INVOICE

Open Hole Test \$ 550.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

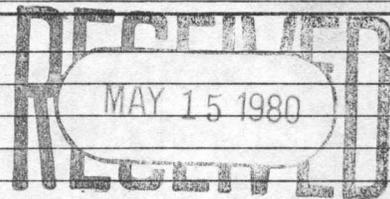
Circ. Sub. \$

43 Mileage x 75¢ \$ 32.25

Fluid Sampler \$

Extra Charts \$

TOTAL \$ 582.25



WESTERN TESTING CO., INC.

Pressure Data

Date 5-14-80 Recorder No. 5666 Capacity 3950 Location 586 Ft.
 Clock No. _____ Elevation 1312 KB Well Temperature 87 °F

Test Ticket No. 3667

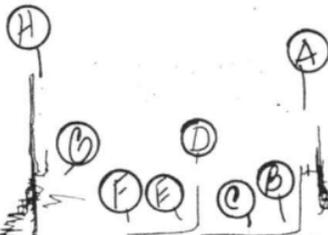
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>314</u> P.S.I.	Open Tool	<u>5:30 A</u> M	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30:60</u> Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>37</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>37</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>45</u> P.S.I.			
G Final Closed-in Pressure	<u>220</u> P.S.I.			
H Final Hydrostatic Mud	<u>300</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>10</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>37</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>45</u>
P 2	<u>5</u>	<u>3</u>	<u>38</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>69</u>
P 3	<u>10</u>	<u>6</u>	<u>40</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>98</u>
P 4	<u>15</u>	<u>9</u>	<u>43</u>	<u>15</u>	<u>51</u>	<u>9</u>	<u>116</u>
P 5	<u>20</u>	<u>12</u>	<u>42</u>	<u>20</u>	<u>49</u>	<u>12</u>	<u>149</u>
P 6	<u>25</u>	<u>15</u>	<u>42</u>	<u>25</u>	<u>48</u>	<u>15</u>	<u>155</u>
P 7	<u>30</u>	<u>18</u>	<u>42</u>	<u>30</u>	<u>47</u>	<u>18</u>	<u>180</u>
P 8	<u>35</u> <u>35</u>	<u>21</u>	<u>42</u>	<u>35</u> <u>35</u>	<u>46</u>	<u>21</u>	<u>186</u>
P 9	<u>40</u> <u>40</u>	<u>24</u>	<u>40</u>	<u>40</u> <u>40</u>	<u>45</u>	<u>24</u>	<u>193</u>
P 10	<u>45</u> <u>45</u>	<u>27</u>	<u>38</u>	<u>45</u> <u>45</u>	<u>45</u>	<u>27</u>	<u>200</u>
P 11	<u>50</u> <u>50</u>	<u>30</u>	<u>37</u>	<u>50</u>		<u>30</u>	<u>206</u>
P 12	<u>55</u> <u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	<u>209</u>
P 13	<u>60</u> <u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	<u>212</u>
P 14		<u>39</u>		<u>65</u>		<u>39</u>	<u>215</u>
P 15		<u>42</u>		<u>70</u>		<u>42</u>	<u>218</u>
P 16		<u>45</u>		<u>75</u>		<u>45</u>	<u>220</u>
P 17		<u>48</u>		<u>80</u>		<u>48</u>	
P 18		<u>51</u>		<u>85</u>		<u>51</u>	
P 19		<u>54</u>		<u>90</u>		<u>54</u>	
P 20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

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Company Range Oil Company, Inc. Lease & Well No. Priest "B" #2
 Elevation 1312 Kelly Bush Formation Admire Effective Pay - Ft. Ticket No. 3667
 Date 5-14-80 Sec. 18 Twp. 33S Range 6E County Cowley State Kansas
 Test Approved by Robert Olsen Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 581 ft. to 605 ft. Total Depth 605 ft.
 Packer Depth 581 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 576 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 586 ft. Recorder Number 5666 Cap. 3950
 Bottom Recorder Depth (Outside) 590 ft. Recorder Number 2605 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range Drlg. (#2) Drill Collar Length 338 I. D. - in.
 Mud Type Chemical Viscosity - Weight Pipe Length - I. D. - in.
 Weight - Water Loss - cc. Drill Pipe Length 203 I. D. - in.
 Chlorides - P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 24 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: Weak blow building to fair blow on initial flow period. Fair blow throughout final flow period.

Recovered 20 ft. of muddy water
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 5:30 A.M. Time Started Off Bottom 8:00 P.M. Maximum Temperature 87
 Initial Hydrostatic Pressure (A) 314 P.S.I.
 Initial Flow Period Minutes 60 (B) 51 P.S.I. to (C) 27 P.S.I.
 Initial Closed In Period Minutes -- (D) -- P.S.I.
 Final Flow Period Minutes 45 (E) 37 P.S.I. to (F) 45 P.S.I.
 Final Closed In Period Minutes 45 (G) 220 P.S.I.
 Final Hydrostatic Pressure (H) 300 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 5-14-80 Test Ticket No. 3667
 Recorder No. 5666 Capacity 3950 Location 586 Ft.
 Clock No. --- Elevation 1312 Kelly Bushing Well Temperature 87 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>314</u> P.S.I.	Open Tool	<u>5:30</u> A. M.	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>--</u> Mins.
D Initial Closed-in Pressure	<u>---</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>37</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>45</u> P.S.I.			
G Final Closed-in Pressure	<u>220</u> P.S.I.			
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PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>---</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>51</u>			<u>0</u>	<u>37</u>	<u>0</u>	<u>45</u>
P 2 <u>5</u>	<u>45</u>			<u>5</u>	<u>63</u>	<u>3</u>	<u>69</u>
P 3 <u>10</u>	<u>39</u>			<u>10</u>	<u>55</u>	<u>6</u>	<u>98</u>
P 4 <u>15</u>	<u>37</u>			<u>15</u>	<u>51</u>	<u>9</u>	<u>116</u>
P 5 <u>20</u>	<u>37</u>			<u>20</u>	<u>49</u>	<u>12</u>	<u>147</u>
P 6 <u>25</u>	<u>37</u>			<u>25</u>	<u>48</u>	<u>15</u>	<u>155</u>
P 7 <u>30</u>	<u>37</u>			<u>30</u>	<u>47</u>	<u>18</u>	<u>180</u>
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P 9 <u>40</u>	<u>43</u>			<u>40</u>	<u>45</u>	<u>24</u>	<u>193</u>
P10 <u>45</u>	<u>43</u>			<u>45</u>	<u>45</u>	<u>27</u>	<u>200</u>
P11 <u>50</u>	<u>43</u>					<u>30</u>	<u>206</u>
P12 <u>55</u>	<u>40</u>					<u>33</u>	<u>209</u>
P13 <u>60</u>	<u>37</u>					<u>36</u>	<u>212</u>
P14						<u>39</u>	<u>215</u>
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P16						<u>45</u>	<u>220</u>
P17							
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P20							