



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

Company Range Oil Company, Inc. Lease & Well No. Coffman #1
Elevation 1259 Kelly Bushing Formation Admire Effective Pay ----- Ft. Ticket No. 291
Date 8/12/78 Sec. 15 Twp 33S Range 5E County Cowley State Kansas
Test Approved by Stephen M. Kreidler Western Representative William K. Hager

Formation Test No. 1 Interval Tested from 605' ft. to 630' ft. Total Depth 630' ft.

Packer Depth 600 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 605 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 615 ft. Recorder Number 1564 Cap. 3150

Bottom Recorder Depth (Outside) 618 ft. Recorder Number 3085 Cap. 4200

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Range Oil Company Drill Collar Length 255' I. D. 2 1/4 in.

Mud Type chemical Viscosity 36 Weight Pipe Length -- I. D. -- in.

Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length 330' I. D. 3.8 in.

Chlorides 1,100 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.

Jars: Make -- Serial Number -- Anchor Length 25 ft. Size 5 1/2 in.

Did Well Flow? Gas Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test. Gas to surface in 10 minutes on second opening. See attached gas sheet for gas measurements.

Recovered 20 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:30 A.M. Time Started Off Bottom 5:00 A.M. Maximum Temperature 82

Initial Hydrostatic Pressure 298 P.S.I.

Initial Flow Period 30 Minutes (B) 37 P.S.I. to (C) 26 P.S.I.

Initial Closed In Period 30 Minutes (D) 230 P.S.I.

Final Flow Period 60 Minutes (E) 43 P.S.I. to (F) 25 P.S.I.

Final Closed In Period 90 Minutes (G) 246 P.S.I.

Final Hydrostatic Pressure 293 P.S.I.



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 8/12/78 Ticket 291 Company Range Oil Company, Inc.
Well Name and No. Coffman #4 Dst No. 1 Interval Tested 605'-630'
County Cowley State Kansas Sec. 15 Twp. 33S Rg. 5E

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						

SECOND FLOW						
Gas to surface in 10 minutes.						2,130 CFPD
15 min.	1.6"	of water 1/4" orifice				2,130 CFPD
20 min.	1.6"	of water 1/2" orifice				2,130 CFPD
25 min.	1.6"	of water 1/2" orifice				2,130 CFPD
30 min.	1.6"	of water 1/2" orifice				2,130 CFPD
35 min.	1.6"	of water 1/2" orifice				2,130 CFPD
40 min.	1.6"	of water 1/2" orifice				2,130 CFPD
45 min.	1.6"	of water 1/2" orifice				2,130 CFPD
50 min.	1.6"	of water 1/2" orifice				2,130 CFPD
55 min.	1.6"	of water 1/2" orifice				2,130 CFPD
60 min.	1.6"	of water 1/2" orifice				2,130 CFPD
Bottle left on location						

GAS BOTTLE

Serial No. 634 Date Bottle Filled 12 August 1978 Date to be Invoiced 8/12/78

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 RANGE OIL COMPANY, INC.

Authorized by Stephen M. Kreidler

WESTERN TESTING CO., INC.

Pressure Data

Date 8/12/78 Test Ticket No. 291

Recorder No. 1564 Capacity 3150 Location 615 Ft.

Clock No. -- Elevation 1259 Kelly Bushing Well Temperature 82 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	298 P.S.I.	1:30A	M
B First Initial Flow Pressure	37 P.S.I.	30 Mins	30 Mins
C First Final Flow Pressure	26 P.S.I.	30 Mins	30 Mins
D Initial Closed-in Pressure	230 P.S.I.	60 Mins	60 Mins
E Second Initial Flow Pressure	43 P.S.I.	90 Mins	90 Mins
F Second Final Flow Pressure	25 P.S.I.		
G Final Closed-in Pressure	246 P.S.I.		
H Final Hydrostatic Mud	293 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</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>37</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>25</u>
P 2 <u>5</u>	<u>28</u>	<u>3</u>	<u>81</u>	<u>5</u>	<u>27</u>	<u>3</u>	<u>87</u>
P 3 <u>10</u>	<u>27</u>	<u>6</u>	<u>129</u>	<u>10</u>	<u>26</u>	<u>6</u>	<u>137</u>
P 4 <u>15</u>	<u>26</u>	<u>9</u>	<u>164</u>	<u>15</u>	<u>25</u>	<u>9</u>	<u>168</u>
P 5 <u>20</u>	<u>26</u>	<u>12</u>	<u>191</u>	<u>20</u>	<u>25</u>	<u>12</u>	<u>186</u>
P 6 <u>25</u>	<u>26</u>	<u>15</u>	<u>208</u>	<u>25</u>	<u>25</u>	<u>15</u>	<u>198</u>
P 7 <u>30</u>	<u>26</u>	<u>18</u>	<u>218</u>	<u>30</u>	<u>25</u>	<u>18</u>	<u>207</u>
P 8		<u>21</u>	<u>223</u>	<u>35</u>	<u>25</u>	<u>21</u>	<u>212</u>
P 9		<u>24</u>	<u>229</u>	<u>40</u>	<u>25</u>	<u>24</u>	<u>218</u>
P10		<u>27</u>	<u>230</u>	<u>45</u>	<u>25</u>	<u>27</u>	<u>224</u>
P11				<u>50</u>	<u>25</u>	<u>30</u>	<u>226</u>
P12				<u>55</u>	<u>25</u>	<u>33</u>	<u>299</u>
P13				<u>60</u>	<u>25</u>	<u>36</u>	<u>231</u>
P14						<u>39</u>	<u>232</u>
P15						<u>42</u>	<u>235</u>
P16						<u>45</u>	<u>236</u>
P17						<u>48</u>	<u>238</u>
P18						<u>51</u>	<u>239</u>
P19						<u>54</u>	<u>239</u>
P20						<u>57</u>	<u>240</u>
						<u>60</u>	<u>241</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8/12/78 Recorder No. 1564 Capacity 3150 Test Ticket No. 291
 Clock No. -- Elevation 1259 Kelly Bushing Location 615 Ft. 82 Well Temperature 82 °F

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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	241
P 2						66	242
P 3						69	242
P 4						72	243
P 5						75	243
P 6						78	244
P 7						81	244
P 8						84	245
P 9						87	245
P 10						90	246
P 11						93	246
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

TR# 291
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1564

