



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

Company Range Oil Company, Inc. Lease & Well No. Muret A #1
Elevation Admire Formation 1225 Kelly Bush Effective Pay - Ft. Ticket No. 21769
Date 1-4-78 Sec. 27 Twp. 33S Range 5E County Cowley State Kansas
Test Approved by Stephen M. Kreidler Western Representative Sam McClune
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 587' to 620' Total Depth 620'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 582 Ft. Size 6 3/4 Bottom Packer Depth 587 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 33 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 613 Ft. Clock No. 6866 Depth 616 Ft. Clock No. 9102
Top Make Kuster Cap. 3150 No. 1564 ~~Inside~~ Outside Bottom Make Kuster Cap. 4500 No. 3085 ~~Inside~~ Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside
Time Set Packer 2:33P. M
Tool Open I.F.P. From 2:35P M. to 3:25P M. - Hr. 50 Min. From (B) 42 P.S.I. To (C) 31 P.S.I.
Tool Closed I.C.I.P. From 3:25P M. to 3:55P M. - Hr. 30 Min (D) 256 P.S.I.
Tool Open F.F.P. From 3:55P M. to 4:40P M. - Hr. 45 Min. From (E) 43 P.S.I. To (F) 32 P.S.I.
Tool Closed F.C.I.P. From 4:40P M. to 5:25P M. - Hr. 45 Min. (G) 257 P.S.I.
Initial Hydrostatic Pressure (A) 297 P.S.I. Final Hydrostatic Pressure (H) 289 P.S.I. Maximum Temp. 67

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow ☒ Yes ☐ No Recovery Total Fr. 565' of gas in pipe, 20' of total fluid recovery, 20' of drilling mud. See attached sheet for gas measurements.

Reversed Out ☐ Yes ☒ No Mud Type Chem Viscosity 39 Weight 8.7 Water Loss 24.4 cc. Chlorides 600 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? ☐

DRILLING CONTRACTOR Range Drlg. Co. Length Drill Pipe? 30 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe ☐ Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars 240 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 54 Ft.

Remarks:



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GAS FLOW REPORT

Date 1-4-78 Ticket 21769 Company Range Oil Company, Inc.
Well Name and No. Muret A #1 Dst No. 1 Interval Tested 587' - 620'
County Cowley State Kansas Sec. 27 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						
2:55PM	20 min.	4" of water	1/4"	orifice		3,370 C.F.P.D.
3:00PM	25 min.	5" of water	1/4"	orifice		3,710 C.F.P.D.
3:05PM	30 min.	7" of water	1/4"	orifice		4,450 C.F.P.D.
3:10PM	35 min.	9" of water	1/4"	orifice		5,050 C.F.P.D.
Gas to surface in 19 minutes.						

SECOND FLOW						
3:55PM	0 min.	13" of water	1/4"	orifice		6,100 C.F.P.D.
4:05PM	10 min.	13" of water	1/4"	orifice		6,100 C.F.P.D.
4:15PM	20 min.	12" of water	1/4"	orifice		5,860 C.F.P.D.
4:25PM	30 min.	12" of water	1/4"	orifice		5,860 C.F.P.D.
4:35PM	40 min.	12" of water	1/4"	orifice		5,860 C.F.P.D.
4:40PM	45 min.	12" of water	1/4"	orifice		5,860 C.F.P.D.

GAS BOTTLE

Serial No. 539 Date Bottle Filled 1-4-78 Date to be Invoiced 1-4-78

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 1-4-78 Test Ticket No. 21769
 Recorder No. 1564 Capacity 3150 Location 613 Ft.
 Clock No. 6866 Elevation 1225 Kelly Bushing Well Temperature 67 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	297 P.S.I.	Open Tool	2:33P. M	
B First Initial Flow Pressure	42 P.S.I.	First Flow Pressure	50 Mins.	50 Mins.
C First Final Flow Pressure	31 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	256 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	43 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	32 P.S.I.			
G Final Closed-in Pressure	257 P.S.I.			
H Final Hydrostatic Mud	289 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>10</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>42</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>32</u>
P 2 <u>5</u>	<u>29</u>	<u>3</u>	<u>159</u>	<u>5</u>	<u>33</u>	<u>3</u>	<u>73</u>
P 3 <u>10</u>	<u>28</u>	<u>6</u>	<u>210</u>	<u>10</u>	<u>32</u>	<u>6</u>	<u>199</u>
P 4 <u>15</u>	<u>28</u>	<u>9</u>	<u>230</u>	<u>15</u>	<u>32</u>	<u>9</u>	<u>224</u>
P 5 <u>20</u>	<u>28</u>	<u>12</u>	<u>239</u>	<u>20</u>	<u>32</u>	<u>12</u>	<u>237</u>
P 6 <u>25</u>	<u>28</u>	<u>15</u>	<u>246</u>	<u>25</u>	<u>32</u>	<u>15</u>	<u>243</u>
P 7 <u>30</u>	<u>30</u>	<u>18</u>	<u>250</u>	<u>30</u>	<u>32</u>	<u>18</u>	<u>247</u>
P 8 <u>35</u>	<u>30</u>	<u>21</u>	<u>254</u>	<u>35</u>	<u>32</u>	<u>21</u>	<u>252</u>
P 9 <u>40</u>	<u>30</u>	<u>24</u>	<u>256</u>	<u>40</u>	<u>32</u>	<u>24</u>	<u>54</u>
P10 <u>45</u>	<u>31</u>	<u>27</u>	<u>256</u>	<u>45</u>	<u>32</u>	<u>27</u>	<u>254</u>
P11 <u>50</u>	<u>31</u>	<u>30</u>	<u>256</u>			<u>30</u>	<u>255</u>
P12						<u>33</u>	<u>255</u>
P13						<u>36</u>	<u>256</u>
P14						<u>39</u>	<u>256</u>
P15						<u>42</u>	<u>257</u>
P16						<u>45</u>	<u>257</u>
P17							
P18							
P19							
P20							

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TK1# 21769
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