



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

Company Range Oil Company, Inc. Lease & Well No. McConaghy #2  
 Elevation 1278 Kelly Bush. Formation Council Grove Effective Pay - Ft. Ticket No. 24562  
 Date 11-23-76 Sec. 10 Twp. 33S Range 5E County Cowley State Kansas  
 Test Approved by Gerald B. Becker Western Representative Bill Baker  
 Formation Test No. 1 O.K.  Misrun  Interval Tested From 320' to 370' Total Depth 370'  
 Size Main Hole 7 7/8 Hole - Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth 315 Ft. Size 6 3/4 Bottom Packer Depth 320 Ft. Size 6 3/4  
 Straddle -- Conv.  B.T.  Damaged  Yes  No Packer Depth - Ft. Size -  
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 50 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.  
 RECORDERS Depth 337 Ft. Clock No. 6896 Depth 340 Ft. Clock No. 6866  
 Top Make Kuster Cap. 3150 No. 1565  Inside  Outside Bottom Make Kuster Cap. 3150 No. 1562  Inside  Outside  
 Below Straddle: Depth - Rec. No. - Clock No. -  Inside  Outside Depth - Ft. Rec. No. - Clock No. -  Inside  Outside  
 Time Set Packer 5:58P. M  
 Tool Open I.F.P. From 6:00P M. to 6:30P M. - Hr. 30 Min. From (B) 24 P.S.I. To (C) 20 P.S.I.  
 Tool Closed I.C.I.P. From 6:30P M. to 7:00P M. - Hr. 30 Min (D) 83 P.S.I.  
 Tool Open F.F.P. From 7:00P M. to 7:30P M. - Hr. 30 Min. From (E) 39 P.S.I. To (F) 26 P.S.I.  
 Tool Closed F.C.I.P. From 7:30P M. to 8:00P M. - Hr. 30 Min. (G) 78 P.S.I.  
 Initial Hydrostatic Pressure (A) 133 P.S.I. Final Hydrostatic Pressure (H) 128 P.S.I. Maximum Temp. 72

**INFORMATION**

BLOW Very weak blow for 20 minutes, then died.  
 Did Well Flow  Yes  No Recovery Total Ft. 20' of drilling mud.  
 Reversed Out  Yes  No Mud Type Chem Viscosity 37 Weight 8.7 Water Loss - cc. Chlorides -  
 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 White & Ellis Drlg. (#4) Length Drill Pipe? 60 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.  
 Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 253 Ft. I.D. Drill Collars 2 1/4 In.  
 Tool Joint Size 4" H-90 Length D.S.T. Tool 70 Ft.

Remarks:

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 11-23-76

Test Ticket No. 24562

Recorder No. 1565 Capacity 3150

Location 337 Ft.

Clock No. 6896 Elevation 1278 Kelly Bushing

Well Temperature 72 °F

Point	Pressure			Time Given	Time Computed
		P.S.I.			
A Initial Hydrostatic Mud	<u>133</u>	P.S.I.	Open Tool	<u>5:58P.</u>	<u>M</u>
B First Initial Flow Pressure	<u>24</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>20</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>83</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>39</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>26</u>	P.S.I.			
G Final Closed-in Pressure	<u>78</u>	P.S.I.			
H Final Hydrostatic Mud	<u>128</u>	P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Initial Shut-In**  
Breakdown: 9 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

**Second Flow Pressure**  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Final Shut-In**  
Breakdown: 10 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>0</u>	<u>24</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>26</u>
P 2 <u>5</u>	<u>20</u>	<u>3</u>	<u>31</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>35</u>
P 3 <u>10</u>	<u>19</u>	<u>6</u>	<u>44</u>	<u>10</u>	<u>27</u>	<u>6</u>	<u>44</u>
P 4 <u>15</u>	<u>19</u>	<u>9</u>	<u>53</u>	<u>15</u>	<u>27</u>	<u>9</u>	<u>53</u>
P 5 <u>20</u>	<u>20</u>	<u>12</u>	<u>61</u>	<u>20</u>	<u>27</u>	<u>12</u>	<u>58</u>
P 6 <u>25</u>	<u>20</u>	<u>15</u>	<u>66</u>	<u>25</u>	<u>27</u>	<u>15</u>	<u>64</u>
P 7 <u>30</u>	<u>20</u>	<u>18</u>	<u>72</u>	<u>30</u>	<u>26</u>	<u>18</u>	<u>68</u>
P 8 _____	_____	<u>21</u>	<u>77</u>	_____	_____	<u>21</u>	<u>71</u>
P 9 _____	_____	<u>24</u>	<u>80</u>	_____	_____	<u>24</u>	<u>73</u>
P10 _____	_____	<u>27</u>	<u>83</u>	_____	_____	<u>27</u>	<u>76</u>
P11 _____	_____	_____	_____	_____	_____	<u>30</u>	<u>78</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Tkt # 24562

I.

H P C A  
G E C B

1565



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

Company Range Oil Company, Inc. Lease & Well No. McConaghy #2  
 Elevation 1278 Kelly Bush. Formation Admire Effective Pay - Ft. Ticket No. 24563  
 Date 11-24-76 Sec. 10 Twp. 33S Range 5E County Cowley State Kansas  
 Test Approved by Gerald B. Becker Western Representative Bill Baker

Formation Test No. 2 O.K.  Misrun  Interval Tested From 604' to 635' Total Depth 635'  
 Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth 599 Ft. Size 6 3/4 Bottom Packer Depth 604 Ft. Size 6 3/4  
 Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth - Ft. Size -  
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 31 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 627 Ft. Clock No. 6895 Depth 630 Ft. Clock No. 6866  
 Top Make Kuster Cap. 3150 No. 1565 ~~Inside~~ Outside Bottom Make Kuster Cap. 3150 No. 1562 ~~Inside~~ Outside  
 Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 3:58A. M  
 Tool Open I.F.P. From 4:00AM. to 4:30AM. - Hr. 30 Min. From (B) 44 P.S.I. To (C) 31 P.S.I.  
 Tool Closed I.C.I.P. From 4:30AM. to 5:15AM. - Hr. 45 Min (D) 158 P.S.I.  
 Tool Open F.F.P. From 5:15A M. to 5:45AM. - Hr. 30 Min. From (E) 56 P.S.I. To (F) 36 P.S.I.  
 Tool Closed F.C.I.P. From 5:45AM. to 6:30AM. - Hr. 30 Min. (G) 245 P.S.I.  
 Initial Hydrostatic Pressure (A) 304 P.S.I. Final Hydrostatic Pressure (H) 293 P.S.I. Maximum Temp. 74

**INFORMATION**

BLOW Strong blow throughout test. Gas to surface in 20 minutes.

Did Well Flow  Yes  No Recovery Total Ft. 30' of drilling mud.

Reversed Out  Yes  No Mud Type Chem Viscosity 38 Weight 8.7 Water Loss - cc. Chlorides -

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 White & Ellis Drlg. Length Drill Pipe? 492 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.  
 Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 143 Ft. I.D. Drill Collars 2 1/4 In.  
 Tool Joint Size 4" H-90 In. Length D.S.T. Tool 51 Ft.

Remarks:



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

**GAS FLOW REPORT**

Date 11-24-76 Ticket 24563 Company Range Oil Company, Inc.  
 Well Name and No. McConaghy #2 Dst No. 2 Interval Tested 604'-635'  
 County Cowley State Kansas Sec. 10 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
<b>PRE FLOW</b>						
4:20AM	20 min.	16" of water		1/4" choke		6,720 C.F.P.D.
4:25AM	25 min.	18" of water		1/4" choke		7,120 C.F.P.D.
4:30AM	30 min.	23" of water		1/4" choke		8,000 C.F.P.D.

<b>SECOND FLOW</b>						
5:20AM	35 min.	1 PSIG		1/4" choke		8,950 C.F.P.D.
5:25AM	40 min.	1 PSIG		1/4" choke		8,950 C.F.P.D.
5:30AM	45 min.	1.5 PSIG		1/4" choke		12,000 C.F.P.D.
5:35AM	50 min.	2.0 PSIG		1/4" choke		12,700 C.F.P.D.
5:40AM	55 min.	2.0 PSIG		1/4" choke		12,700 C.F.P.D.
5:45AM	60 min.	2.0 PSIG		1/4" choke		12,700 C.F.P.D.

**GAS BOTTLE**

Serial No. \_\_\_\_\_ - Date Bottle Filled 11-24-76 Date to be Invoiced 11-24-76

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 Gerald B. Becker

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 11-24-76 Test Ticket No. 24563  
 Recorder No. 1565 Capacity 3150 Location 627 Ft.  
 Clock No. 6895 Elevation 1278 Kelly Bushing Well Temperature 74 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	304 P.S.I.	Open Tool	3:58A. M	
B First Initial Flow Pressure	44 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	31 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	158 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	56 P.S.I.	Final Closed-in Pressure	30 Mins.	42 Mins.
F Second Final Flow Pressure	36 P.S.I.			
G Final Closed-in Pressure	245 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>15</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>14</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	0	44	0	31	0	56	0	36
P 2	5	33	3	53	5	39	3	146
P 3	10	31	6	67	10	38	6	197
P 4	15	31	9	80	15	36	9	218
P 5	20	31	12	89	20	36	12	226
P 6	25	31	15	96	25	36	15	232
P 7	30	31	18	104	30	36	18	235
P 8			21	108			21	237
P 9			24	114			24	238
P10			27	119			27	240
P11			30	122			30	241
P12			33	130			33	242
P13			36	140			36	243
P14			39	147			39	244
P15			42	154			42	245
P16			45	158				
P17								
P18								
P19								
P20								

Tkt# 24563

I

