



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

Company Range Oil Company, Inc. Lease & Well No. Miller "A" #2
Elevation 1308 Kelly Bushing Formation Admire Effective Pay ----- Ft. Ticket No. 246
Date 7/5/78 Sec. 3 Twp. 33S Range 5E County Cowley State Kansas
Test Approved by Stephen M. Kreidler Western Representative Tim Wilson

Formation Test No. 1 Interval Tested from 625 ft. to 673 ft. Total Depth 673 ft.
Packer Depth 620 ft. Size 6 3/4 in. Packer Depth ----- ft. Size --- in.
Packer Depth 625 ft. Size 6 3/4 in. Packer Depth ----- ft. Size --- in.
Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 633 ft. Recorder Number 1559 Cap. 4200
Bottom Recorder Depth (Outside) 669 ft. Recorder Number 1558 Cap. 4200
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Range Oil Company #1 Drill Collar Length 252 I. D. 2 1/4 in.
Mud Type chemical Viscosity 45 Weight Pipe Length ----- I. D. --- in.
Weight 9.1 Water Loss NC cc. Drill Pipe Length 355 I. D. 3.8 in.
Chlorides Unknown P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.
Jars: Make No Serial Number No Anchor Length 48 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in.

Blow: Weak decreasing to very weak

Recovered 15 ft. of drilling mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 9:27 ~~A.M.~~ P.M. Time Started Off Bottom 12:00 ~~A.M.~~ P.M. Maximum Temperature 92
Initial Hydrostatic Pressure (A) 274 P.S.I.
Initial Flow Period Minutes 30 (B) 27 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period Minutes 30 (D) 42 P.S.I.
Final Flow Period Minutes 45 (E) 27 P.S.I. to (F) 23 P.S.I.
Final Closed In Period Minutes 45 (G) 61 P.S.I.
Final Hydrostatic Pressure (H) 270 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7/5/78 Test Ticket No. 246
 Recorder No. 1559 Capacity 4200 Location 633 Ft.
 Clock No. ----- Elevation 1308 Kelly Bushing Well Temperature 92 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 274 P.S.I. Open Tool 9:27P M
 B First Initial Flow Pressure 27 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 16 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 42 P.S.I. Second Flow Pressure 45 Mins. 50 Mins.
 E Second Initial Flow Pressure 27 P.S.I. Final Closed-in Pressure 45 Mins. 39 Mins.
 F Second Final Flow Pressure 23 P.S.I.
 G Final Closed-in Pressure 61 P.S.I.
 H Final Hydrostatic Mud 270 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>10</u> Inc.		Breakdown: <u>13</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>27</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>27</u>	<u>0</u>	<u>23</u>
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>16</u>	<u>5</u>	<u>25</u>	<u>3</u>	<u>23</u>
P 3 <u>10</u>	<u>16</u>	<u>6</u>	<u>19</u>	<u>10</u>	<u>24</u>	<u>6</u>	<u>28</u>
P 4 <u>15</u>	<u>16</u>	<u>9</u>	<u>23</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>30</u>
P 5 <u>20</u>	<u>16</u>	<u>12</u>	<u>25</u>	<u>20</u>	<u>23</u>	<u>12</u>	<u>32</u>
P 6 <u>25</u>	<u>16</u>	<u>15</u>	<u>27</u>	<u>25</u>	<u>23</u>	<u>15</u>	<u>36</u>
P 7 <u>30</u>	<u>16</u>	<u>18</u>	<u>29</u>	<u>30</u>	<u>23</u>	<u>18</u>	<u>38</u>
P 8		<u>21</u>	<u>33</u>	<u>35</u>	<u>23</u>	<u>21</u>	<u>42</u>
P 9		<u>24</u>	<u>37</u>	<u>40</u>	<u>23</u>	<u>24</u>	<u>45</u>
P10		<u>27</u>	<u>40</u>	<u>45</u>	<u>23</u>	<u>27</u>	<u>48</u>
P11		<u>30</u>	<u>42</u>	<u>50</u>	<u>23</u>	<u>30</u>	<u>52</u>
P12						<u>33</u>	<u>55</u>
P13						<u>36</u>	<u>59</u>
P14						<u>39</u>	<u>61</u>
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 246
I.

