



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

Company Range Oil Company, Inc. Lease & Well No. Reynolds #1
Elevation 1198 Kelly Bushing Formation Admire Effective Pay ----- Ft. Ticket No. 298
Date 9/6/78 Sec. 15 Twp. 33S Range 4E County Cowley State Kansas
Test Approved by Stephen M. Kreidler Western Representative Will K. Hager

Formation Test No. 1 Interval Tested from 695' ft. to 734' ft. Total Depth 734' ft.
Packer Depth 690 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 695 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 711 ft. Recorder Number 3085 Cap. 4500
Bottom Recorder Depth (Outside) 714 ft. Recorder Number 1564 Cap. 3150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range Oil Company Drill Collar Length 254 I. D. 2 1/4 in.
Mud Type chemical Viscosity 37 Weight Pipe Length -- I. D. -- in.
Weight 9.3 Water Loss 18.2 cc. Drill Pipe Length 421 I. D. 3.8 in.
Chlorides 700 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.
Jars: Make -- Serial Number -- Anchor Length 39 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: Very weak blow.

Recovered 40 ft. of mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 10:40 A.M. Time Started Off Bottom 12:40 P.M. Maximum Temperature 86
Initial Hydrostatic Pressure (A) 358 P.S.I.
Initial Flow Period Minutes 30 (B) 45 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period Minutes 30 (D) 217 P.S.I.
Final Flow Period Minutes 30 (E) 69 P.S.I. to (F) 37 P.S.I.
Final Closed In Period Minutes 30 (G) 185 P.S.I.
Final Hydrostatic Pressure (H) 344 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9/6/78

Test Ticket No. 298

Recorder No. 3085

Capacity 4500

Location 711 Ft.

Clock No. -- Elevation 1198 Kelly Bushing

Well Temperature 86 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	358	P.S.I.	Open Tool	10:40A	M
B First Initial Flow Pressure	45	P.S.I.	First Flow Pressure	30	30 Mins. Mins.
C First Final Flow Pressure	24	P.S.I.	Initial Closed-in Pressure	30	27 Mins. Mins.
D Initial Closed-in Pressure	217	P.S.I.	Second Flow Pressure	30	30 Mins. Mins.
E Second Initial Flow Pressure	69	P.S.I.	Final Closed-in Pressure	30	27 Mins. Mins.
F Second Final Flow Pressure	37	P.S.I.			
G Final Closed-in Pressure	185	P.S.I.			
H Final Hydrostatic Mud	344	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: 9 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>45</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>24</u>	<u>3</u>	<u>42</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>45</u>
P 3 <u>10</u>	<u>24</u>	<u>6</u>	<u>68</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>53</u>
P 4 <u>15</u>	<u>24</u>	<u>9</u>	<u>110</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>72</u>
P 5 <u>20</u>	<u>24</u>	<u>12</u>	<u>148</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>93</u>
P 6 <u>25</u>	<u>24</u>	<u>15</u>	<u>170</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>118</u>
P 7 <u>30</u>	<u>24</u>	<u>18</u>	<u>187</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>140</u>
P 8 _____	_____	<u>21</u>	<u>201</u>	_____	_____	<u>21</u>	<u>158</u>
P 9 _____	_____	<u>24</u>	<u>208</u>	_____	_____	<u>24</u>	<u>170</u>
P10 _____	_____	<u>27</u>	<u>217</u>	_____	_____	<u>27</u>	<u>185</u>
P11 _____	_____	_____	_____	_____	_____	_____	_____
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TK# 298
I

3085

