

Company K. R. M. Petroleum Corporation Lease & Well No. L. W. Rhoades #1
 Elevation -- Formation Swope Effective Pay -- Ft. Ticket No. 1625
 Date 6/16/79 Sec. 14 Twp. 34S Range 20W County Commanche State Kansas
 Test Approved by J. Copeland Landes Western Representative Dave Sloan
 Formation Test No. 1 Interval Tested from 4740 ft. to 4782 ft. Total Depth 4782 ft.
 Packer Depth 4735 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4740 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 4760 ft. Recorder Number 6246 Cap. 5200
 Bottom Recorder Depth (Outside) 4777 ft. Recorder Number 5673 Cap. 5400
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor H-30 Rig #77 Drill Collar Length 560 I. D. 2.2 in.
 Mud Type premix-moupac Viscosity 53 Weight Pipe Length - I. D. - in.
 Weight 8.8 Water Loss 6/6 cc. Drill Pipe Length 4152 I. D. 3.8 in.
 Chlorides 15,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make Western Serial Number 402 Anchor Length 42 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout test.

Recovered 60 ft. of mud
 Recovered 60 ft. of oil cut mud -slight
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 2:00 ~~P.M.~~ A.M. Time Started Off Bottom 6:30 ~~P.M.~~ A.M. Maximum Temperature 122
 Initial Hydrostatic Pressure (A) 2313 P.S.I.
 Initial Flow Period Minutes 30 (B) 37 P.S.I. to (C) 34 P.S.I.
 Initial Closed In Period Minutes 60 (D) 471 P.S.I.
 Final Flow Period Minutes 60 (E) 50 P.S.I. to (F) 50 P.S.I.
 Final Closed In Period Minutes 120 (G) 1495 P.S.I.
 Final Hydrostatic Pressure (H) 2274 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-16-79 Test Ticket No. 1625
 Recorder No. 6246 Capacity 5200 Location 4760 Ft.
 Clock No. - Elevation - Well Temperature 122 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2313 P.S.I. Open Tool 2:00A. M
 B First Initial Flow Pressure 37 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 34 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 471 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 50 P.S.I. Final Closed-in Pressure 120 Mins. 117 Mins.
 F Second Final Flow Pressure 50 P.S.I.
 G Final Closed-in Pressure 1495 P.S.I.
 H Final Hydrostatic Mud 2274 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>38</u> Inc. of <u>3</u> mins. and a 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>34</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>50</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>39</u>	<u>5</u>	<u>50</u>	<u>3</u>	<u>99</u>
P 3 <u>10</u>	<u>34</u>	<u>6</u>	<u>39</u>	<u>10</u>	<u>50</u>	<u>6</u>	<u>144</u>
P 4 <u>15</u>	<u>34</u>	<u>9</u>	<u>45</u>	<u>15</u>	<u>50</u>	<u>9</u>	<u>188</u>
P 5 <u>20</u>	<u>34</u>	<u>12</u>	<u>47</u>	<u>20</u>	<u>50</u>	<u>12</u>	<u>236</u>
P 6 <u>25</u>	<u>34</u>	<u>15</u>	<u>50</u>	<u>25</u>	<u>50</u>	<u>15</u>	<u>285</u>
P 7 <u>30</u>	<u>34</u>	<u>18</u>	<u>60</u>	<u>30</u>	<u>50</u>	<u>18</u>	<u>306</u>
P 8		<u>21</u>	<u>71</u>	<u>35</u>	<u>50</u>	<u>21</u>	<u>325</u>
P 9		<u>24</u>	<u>76</u>	<u>40</u>	<u>50</u>	<u>24</u>	<u>346</u>
P10		<u>27</u>	<u>85</u>	<u>45</u>	<u>50</u>	<u>27</u>	<u>364</u>
P11		<u>30</u>	<u>92</u>	<u>50</u>	<u>50</u>	<u>30</u>	<u>380</u>
P12		<u>33</u>	<u>94</u>	<u>55</u>	<u>50</u>	<u>33</u>	<u>395</u>
P13		<u>36</u>	<u>110</u>	<u>60</u>	<u>50</u>	<u>36</u>	<u>406</u>
P14		<u>39</u>	<u>126</u>			<u>39</u>	<u>414</u>
P15		<u>42</u>	<u>134</u>			<u>42</u>	<u>427</u>
P16		<u>45</u>	<u>194</u>			<u>45</u>	<u>437</u>
P17		<u>48</u>	<u>238</u>			<u>48</u>	<u>450</u>
P18		<u>51</u>	<u>270</u>			<u>51</u>	<u>461</u>
P19		<u>54</u>	<u>335</u>			<u>54</u>	<u>516</u>
P20		<u>57</u>	<u>398</u>			<u>57</u>	<u>607</u>
		<u>60</u>	<u>471</u>			<u>60</u>	<u>688</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 6-16-79 Test Ticket No. 1625
 Recorder No. 6246 Capacity 5200 Location 4760 Ft.
 Clock No. - Elevation - Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2313	P.S.I.	2:00A.	M
B First Initial Flow Pressure	37	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	34	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	471	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	50	P.S.I.	120	Mins. 117 Mins.
F Second Final Flow Pressure	50	P.S.I.		
G Final Closed-in Pressure	1495	P.S.I.		
H Final Hydrostatic Mud	2274	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: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 38 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				63	762		
P 2				66	830		
P 3				69	898		
P 4				72	969		
P 5				75	1026		
P 6				78	1080		
P 7				81	1127		
P 8				84	1176		
P 9				87	1220		
P10				90	1256		
P11				93	1288		
P12				96	1321		
P13				99	1355		
P14				102	1383		
P15				105	1407		
P16				108	1430		
P17				111	1453		
P18				114	1474		
P19				117	1495		
P20							

6246

TKT # 1635
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K. K. M.

Rhoads #1

DST #1

