

Company Messman-Rinehart Corporation Lease & Well No. Chenoweth #1
 Elevation 1448 Derrick Floor Mississippi Formation Effective Pay --- Ft. Ticket No. 7719
 Date 10/14/80 Sec. 19 Twp. 30S Range 7E County Cowley State Kansas
 Test Approved by J. G. Klein Western Representative Allen Edgington
 Formation Test No. 1 Interval Tested from 2910 ft. to 2945 ft. Total Depth 2945 ft.
 Packer Depth 2905 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2910 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2937 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 2946 ft. Recorder Number 10980 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor White & Ellis Drilling Rig #7 Drill Collar Length 281 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 10.8 cc. Drill Pipe Length 2613 I. D. 3.8 in.
 Chlorides 1,600 P.P.M. Test Tool Length 20 ft. Tool Size 4 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 35 ft. Size 4 1/2 OD 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. Tool Joint Size 4 1/2 XH in.

Blow: Weak to fair throughout test.

Recovered 390 ft. of gas cut water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:45 A.M. ~~P.M.~~ Time Started Off Bottom 4:45 A.M. ~~P.M.~~ Maximum Temperature 110°
 Initial Hydrostatic Pressure 1470 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 40 P.S.I. to (C) 120 P.S.I.
 Initial Closed In Period 30 Minutes (D) 944 P.S.I.
 Final Flow Period 60 Minutes (E) 141 P.S.I. to (F) 205 P.S.I.
 Final Closed In Period 57 Minutes (G) 925 P.S.I.
 Final Hydrostatic Pressure 1443 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10/14/80 Recorder No. 3354 Capacity 4200 Location 2937 Ft.
 Clock No. --- Elevation 1448 Derrick Floor Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1470</u> P.S.I.	Open Tool	<u>1:45A</u> M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>120</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>944</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>141</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>205</u> P.S.I.			
G Final Closed-in Pressure	<u>925</u> P.S.I.			
H Final Hydrostatic Mud	<u>1443</u> 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>12</u> Inc.		Breakdown: <u>19</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>40</u>	<u>0</u>	<u>120</u>	<u>0</u>	<u>141</u>	<u>0</u>	<u>205</u>
P 2 <u>5</u>	<u>53</u>	<u>3</u>	<u>821</u>	<u>5</u>	<u>145</u>	<u>3</u>	<u>696</u>
P 3 <u>10</u>	<u>72</u>	<u>6</u>	<u>886</u>	<u>10</u>	<u>156</u>	<u>6</u>	<u>840</u>
P 4 <u>15</u>	<u>84</u>	<u>9</u>	<u>911</u>	<u>15</u>	<u>164</u>	<u>9</u>	<u>863</u>
P 5 <u>20</u>	<u>99</u>	<u>12</u>	<u>924</u>	<u>20</u>	<u>168</u>	<u>12</u>	<u>885</u>
P 6 <u>25</u>	<u>112</u>	<u>15</u>	<u>930</u>	<u>25</u>	<u>173</u>	<u>15</u>	<u>892</u>
P 7 <u>30</u>	<u>120</u>	<u>18</u>	<u>937</u>	<u>30</u>	<u>177</u>	<u>18</u>	<u>890</u>
P 8		<u>21</u>	<u>941</u>	<u>35</u>	<u>183</u>	<u>21</u>	<u>890</u>
P 9		<u>24</u>	<u>943</u>	<u>40</u>	<u>188</u>	<u>24</u>	<u>890</u>
P10		<u>27</u>	<u>944</u>	<u>45</u>	<u>193</u>	<u>27</u>	<u>892</u>
P11		<u>30</u>	<u>944</u>	<u>50</u>	<u>196</u>	<u>30</u>	<u>892</u>
P12				<u>55</u>	<u>200</u>	<u>33</u>	<u>910</u>
P13				<u>60</u>	<u>205</u>	<u>36</u>	<u>911</u>
P14						<u>39</u>	<u>914</u>
P15						<u>42</u>	<u>918</u>
P16						<u>45</u>	<u>920</u>
P17						<u>48</u>	<u>922</u>
P18						<u>51</u>	<u>923</u>
P19						<u>54</u>	<u>924</u>
P20						<u>57</u>	<u>925</u>

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