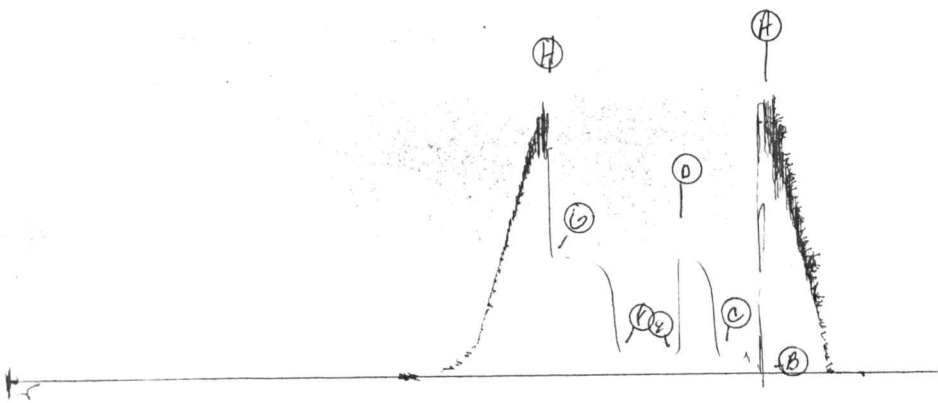


TKT # 9994
I



Company Rena Ramp Lease Account Lease & Well No. Rena Ramp #1-A
 Elevation 1436 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 9994
 Date 11/23/81 Sec. 23 Twp. 28S Range 7E County Butler State Kansa
 Test Approved by B. Johnson Western Representative Norman Allen

Formation Test No. 1 Interval Tested from 2695 ft. to 2710 ft. Total Depth 2710 ft.
 Packer Depth 2695 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2690 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2703 ft. Recorder Number 1559 Cap. 4200
 Bottom Recorder Depth (Outside) 2706 ft. Recorder Number 13268 Cap. 4225
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drlg. Co. Rig #4 Drill Collar Length 180 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 12 cc. Drill Pipe Length 2493 I. D. 3.8 in.
 Chlorides 1,400 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 15 ft. Size 5 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: Fair throughout test.

Recovered 640 ft. of gas in pipe
 Recovered 20 ft. of free oil 36 gravity corrected
 Recovered 210 ft. of muddy gassy oil 80% oil; 20% mud
 Recovered 30 ft. of slightly oil cut muddy water (5% oil; 95% muddy water)
 Recovered - ft. of (44,000 ppm chlorides)

Remarks: _____

Time Set Packer(s) 1:00 ~~A.M.~~ P.M. Time Started Off Bottom 3:30 ~~A.M.~~ P.M. Maximum Temperature 109°
 Initial Hydrostatic Pressure (A) 1420 P.S.I.
 Initial Flow Period Minutes 30 (B) 17 P.S.I. to (C) 82 P.S.I.
 Initial Closed In Period Minutes 30 (D) 626 P.S.I.
 Final Flow Period Minutes 45 (E) 96 P.S.I. to (F) 113 P.S.I.
 Final Closed In Period Minutes 48 (G) 627 P.S.I.
 Final Hydrostatic Pressure (H) 1390 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 11/23/81

Recorder No. 1559

Capacity 4200

Test Ticket No. 9994

Clock No. - Elevation 1436 Kelly Bushing

Location 2703 Ft

Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1420</u>	P.S.I.	<u>1:00P</u>	<u>M</u>
B. First Initial Flow Pressure	<u>17</u>	P.S.I.	<u>30</u>	<u>30</u>
C. First Final Flow Pressure	<u>82</u>	P.S.I.	<u>30</u>	<u>30</u>
D. Initial Closed-in Pressure	<u>626</u>	P.S.I.	<u>45</u>	<u>45</u>
E. Second Initial Flow Pressure	<u>96</u>	P.S.I.	<u>45</u>	<u>48</u>
F. Second Final Flow Pressure	<u>113</u>	P.S.I.		
G. Final Closed-in Pressure	<u>627</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>1390</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	<u>6</u>	<u>6</u>	<u>10</u>	<u>10</u>	<u>9</u>	<u>9</u>	<u>16</u>	<u>16</u>
	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>17</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>96</u>	<u>0</u>	<u>113</u>	
P 2 <u>5</u>	<u>46</u>	<u>3</u>	<u>188</u>	<u>5</u>	<u>96</u>	<u>3</u>	<u>249</u>	
P 3 <u>10</u>	<u>98</u>	<u>6</u>	<u>441</u>	<u>10</u>	<u>96</u>	<u>6</u>	<u>460</u>	
P 4 <u>15</u>	<u>73</u>	<u>9</u>	<u>512</u>	<u>15</u>	<u>97</u>	<u>9</u>	<u>521</u>	
P 5 <u>20</u>	<u>74</u>	<u>12</u>	<u>556</u>	<u>20</u>	<u>99</u>	<u>12</u>	<u>554</u>	
P 6 <u>25</u>	<u>78</u>	<u>15</u>	<u>587</u>	<u>25</u>	<u>104</u>	<u>15</u>	<u>573</u>	
P 7 <u>30</u>	<u>82</u>	<u>18</u>	<u>601</u>	<u>30</u>	<u>107</u>	<u>18</u>	<u>587</u>	
P 8 _____		<u>21</u>	<u>610</u>	<u>35</u>	<u>110</u>	<u>21</u>	<u>596</u>	
P 9 _____		<u>24</u>	<u>616</u>	<u>40</u>	<u>112</u>	<u>24</u>	<u>601</u>	
P10 _____		<u>27</u>	<u>622</u>	<u>45</u>	<u>113</u>	<u>27</u>	<u>606</u>	
P11 _____		<u>30</u>	<u>626</u>			<u>30</u>	<u>611</u>	
P12 _____						<u>33</u>	<u>616</u>	
P13 _____						<u>36</u>	<u>621</u>	
P14 _____						<u>39</u>	<u>623</u>	
P15 _____						<u>42</u>	<u>625</u>	
P16 _____						<u>45</u>	<u>626</u>	
P17 _____						<u>48</u>	<u>627</u>	
P18 _____								
P19 _____								
P20 _____								