

Company Kansas Oil Corporation Lease & Well No. Root #1
 Elevation ----- Formation Mississippi Effective Pay - Ft. Ticket No. 538
 Date 7/1/80 Sec. 19 Twp. 33S Range 12W County Barber State Kansas
 Test Approved by Robert L. Layman Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 4501 ft. to 4540 ft. Total Depth 4540 ft.
 Packer Depth 4496 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4501 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4504 ft. Recorder Number 5673 Cap. 5400
 Bottom Recorder Depth (Outside) 4507 ft. Recorder Number 1565 Cap. 4900
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Abercrombie Drilling Co. Drill Collar Length 60 I. D. 2.2 in.
 Mud Type monpac Viscosity 46 Weight Pipe Length 600 I. D. 3.2 in.
 Weight 9.2 Water Loss 10.6 cc. Drill Pipe Length 3821 I. D. 3.8 in.
 Chlorides 24,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number - Anchor Length 39 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 FH in.

Blow: Weak; died in seven minutes; no blow on final flow.

Recovered 5 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 9:45 ~~A.M.~~ P.M. Time Started Off Bottom 11:45 ~~A.M.~~ P.M. Maximum Temperature 123°
 Initial Hydrostatic Pressure (A) 2359 P.S.I.
 Initial Flow Period Minutes 30 (B) 41 P.S.I. to (C) 33 P.S.I.
 Initial Closed In Period Minutes 30 (D) 41 P.S.I.
 Final Flow Period Minutes 30 (E) 36 P.S.I. to (F) 33 P.S.I.
 Final Closed In Period Minutes 30 (G) 33 P.S.I.
 Final Hydrostatic Pressure (H) 2332 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 7/1/80 Test Ticket No. 5382
 Recorder No. 5673 Capacity 5400 Location 4504 Ft.
 Clock No. --- Elevation - Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2359</u> P.S.I.	Open Tool	<u>9:45P</u> M	
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>33</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>41</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>36</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>33</u> P.S.I.			
G Final Closed-in Pressure	<u>33</u> P.S.I.			
H Final Hydrostatic Mud	<u>2332</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.
	of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		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>41</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>33</u>	
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>33</u>	<u>5</u>	<u>36</u>	<u>3</u>	<u>33</u>	
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>34</u>	<u>10</u>	<u>35</u>	<u>6</u>	<u>33</u>	
P 4 <u>15</u>	<u>33</u>	<u>9</u>	<u>35</u>	<u>15</u>	<u>35</u>	<u>9</u>	<u>33</u>	
P 5 <u>20</u>	<u>33</u>	<u>12</u>	<u>36</u>	<u>20</u>	<u>34</u>	<u>12</u>	<u>33</u>	
P 6 <u>25</u>	<u>33</u>	<u>15</u>	<u>36</u>	<u>25</u>	<u>34</u>	<u>15</u>	<u>33</u>	
P 7 <u>30</u>	<u>33</u>	<u>18</u>	<u>37</u>	<u>30</u>	<u>33</u>	<u>18</u>	<u>33</u>	
P 8		<u>21</u>	<u>38</u>			<u>21</u>	<u>33</u>	
P 9		<u>24</u>	<u>39</u>			<u>24</u>	<u>33</u>	
P10		<u>27</u>	<u>40</u>			<u>27</u>	<u>33</u>	
P11		<u>30</u>	<u>41</u>			<u>30</u>	<u>33</u>	
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

5673
DST #1

JKF # 5382

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