

Company Pickrell Drilling Company Lease & Well No. Ruth 'A' #1
 Elevation 1534 Kelly Bushing Misener Effective Pay - Ft. Ticket No. 10344
 Date 9/24/81 Sec. 27 Twp. 29S Range 6W County Kingman State Kansas
 Test Approved by Bil Klaver Western Representative Allen Edgington
 Formation Test No. 4 Interval Tested from 4495 ft. to 4510 ft. Total Depth 4510 ft.
 Packer Depth 4490 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4495 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4503 ft. Recorder Number 3554 Cap. 4200
 Bottom Recorder Depth (Outside) 4506 ft. Recorder Number 5666 Cap. 3950
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Pickrell Drilling Rig #10 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 60 Weight Pipe Length 623 I. D. 2 1/4 in.
 Weight 9.5 Water Loss 14 cc. Drill Pipe Length 3867 I. D. 3.8 in.
 Chlorides 15,000 P.P.M. Test Tool Length 20 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 15 ft. Size 4 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. Tool Joint Size 4 1/2 XH in.
 Blow: Weak and intermitten throughout initial flow period.

Recovered 10 ft. of drilling mud few oil spots on top

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Flushed tool on final flow period.

Read Outside Recorder

Time Set Packer(s) 1:15 ~~AM~~ P.M. Time Started Off Bottom 2:45 ~~AM~~ P.M. Maximum Temperature 134°
 Initial Hydrostatic Pressure 2280 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 31 P.S.I. to (C) 31 P.S.I.
 Initial Closed In Period 45 Minutes (D) 42 P.S.I.
 Final Flow Period 10 Minutes (E) 37 P.S.I. to (F) 39 P.S.I.
 Final Closed In Period -- Minutes (G) -- P.S.I.
 Final Hydrostatic Pressure 2250 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9/24/81 Recorder No. 5666 Capacity 3950 Test Ticket No. 10344
 Clock No. -- Elevation 1534 Kelly Bushing Location 4506 Ft. 134
 Well Temperature -- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2280	P.S.I.	1:15P	M
B First Initial Flow Pressure	31	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	31	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	42	P.S.I.	15	Mins. 10 Mins.
E Second Initial Flow Pressure	37	P.S.I.	--	Mins. -- Mins.
F Second Final Flow Pressure	39	P.S.I.		
G Final Closed-in Pressure	--	P.S.I.		
H Final Hydrostatic Mud	2250	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>2</u> Inc.		Breakdown: <u>0</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>31</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>37</u>		
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>31</u>	<u>5</u>	<u>51</u>		
P 3 <u>10</u>	<u>31</u>	<u>6</u>	<u>32</u>	<u>10</u>	<u>39</u>		
P 4 <u>15</u>	<u>31</u>	<u>9</u>	<u>33</u>				
P 5 <u>20</u>	<u>31</u>	<u>12</u>	<u>34</u>				
P 6 <u>25</u>	<u>31</u>	<u>15</u>	<u>35</u>				
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>36</u>				
P 8		<u>21</u>	<u>37</u>				
P 9		<u>24</u>	<u>38</u>				
P10		<u>27</u>	<u>38</u>				
P11		<u>30</u>	<u>39</u>				
P12		<u>33</u>	<u>40</u>				
P13		<u>36</u>	<u>41</u>				
P14		<u>39</u>	<u>41</u>				
P15		<u>42</u>	<u>42</u>				
P16		<u>45</u>	<u>42</u>				
P17							
P18							
P19							
P20							

4

TKT #10344
0

5/1/15

