

Company Kennedy-Mitchell, Inc. Lease & Well No. Swope #35-531
 Elevation 1267 Kelly Bushing Bartsville Effective Pay - Ft. Ticket No. 8068
 Date 4/3/81 Sec. 34 Twp. 29S Range 5E County Butler State Kansas
 Test Approved by Allen Munroe Western Representative Norman Allen
 Formation Test No. 1 Interval Tested from 2879 ft. to 2885 ft. Total Depth 2885 ft.
 Packer Depth 2879 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2874 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2867 AP ft. Recorder Number 1559 Cap. 4200
 Bottom Recorder Depth (Outside) 2881 ft. Recorder Number 13268 Cap. 4225
 Below Straddle Recorder Depth = ft. Recorder Number = Cap. =
 Drilling Contractor Ramco Drilling Rig #2 Drill Collar Length 328 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss 13.- cc. Drill Pipe Length 2526 I. D. 3.8 in.
 Chlorides 2,500 P.P.M. Test Tool Length 35 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 6 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: Weak ten minutes.

Recovered 20 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Pressures recorder #13268

Time Set Packer(s) 12:10 ~~P.M.~~ A.M. Time Started Off Bottom 2:10 ~~P.M.~~ A.M. Maximum Temperature 109°
 Initial Hydrostatic Pressure 1360 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 32 P.S.I. to (C) 32 P.S.I.
 Initial Closed In Period 33 Minutes (D) 685 P.S.I.
 Final Flow Period 30 Minutes (E) 64 P.S.I. to (F) 40 P.S.I.
 Final Closed In Period 33 Minutes (G) 150 P.S.I.
 Final Hydrostatic Pressure 1350 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/3/81 Recorder No. 13268 Capacity 4225 Test Ticket No. 8068
 Clock No. - Elevation 1267 Kelly Bushing Location 2881 Ft. 109
 Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1360</u> P.S.I.	Open Tool	<u>12:10A</u>	<u>M</u>
B First Initial Flow Pressure	<u>32</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>32</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>685</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>64</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>40</u> P.S.I.			
G Final Closed-in Pressure	<u>150</u> P.S.I.			
H Final Hydrostatic Mud	<u>1350</u> 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>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>11</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>32</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>40</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>32</u>	<u>5</u>	<u>45</u>	<u>3</u>	<u>41</u>
P 3 <u>10</u>	<u>32</u>	<u>6</u>	<u>34</u>	<u>10</u>	<u>41</u>	<u>6</u>	<u>41</u>
P 4 <u>15</u>	<u>32</u>	<u>9</u>	<u>43</u>	<u>15</u>	<u>38</u>	<u>9</u>	<u>43</u>
P 5 <u>20</u>	<u>32</u>	<u>12</u>	<u>64</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>45</u>
P 6 <u>25</u>	<u>32</u>	<u>15</u>	<u>147</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>49</u>
P 7 <u>30</u>	<u>32</u>	<u>18</u>	<u>278</u>	<u>30</u>	<u>40</u>	<u>18</u>	<u>53</u>
P 8		<u>21</u>	<u>404</u>			<u>21</u>	<u>62</u>
P 9		<u>24</u>	<u>496</u>			<u>24</u>	<u>75</u>
P10		<u>27</u>	<u>574</u>			<u>27</u>	<u>92</u>
P11		<u>30</u>	<u>647</u>			<u>30</u>	<u>113</u>
P12		<u>33</u>	<u>685</u>			<u>33</u>	<u>150</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 8068

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