

Company J. S. Martin Oil Operations Lease & Well No. Kaufman 'A' #5  
 Elevation 1759 Ground Level Formation Lansing Effective Pay ---- Ft. Ticket No. 7395  
 Date 9/30/80 Sec. 27 Twp. 15S Range 12W County Russell State Kansas  
 Test Approved by Larry Beeshlin Western Representative Roger Lisenby

Formation Test No. 1 Interval Tested from 3044 ft. to 3076 ft. Total Depth 3076 ft.  
 Packer Depth 3044 ft. Size 6 3/4 in. Packer Depth 3039 ft. Size 6 3/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3068 ft. Recorder Number 6077 Cap. 4700  
 Bottom Recorder Depth (Outside) 3071 ft. Recorder Number 1051 Cap. 4250  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Allen Drilling Rig #3 Drill Collar Length - I. D. - in.  
 Mud Type starch Viscosity 42 Weight Pipe Length - I. D. - in.  
 Weight 10.1 Water Loss 15.6 cc. Drill Pipe Length 3023 I. D. 3.8 in.  
 Chlorides 66,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.  
 Jars: Make - Serial Number - Anchor Length 32 ft. Size 5 1/2 in.  
 Did Well Flow? - Reversed Out - 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: Good blow increasing to strong on both openings.

Recovered 120 ft. of gas in pipe  
 Recovered 60 ft. of gas cut mud slightly oil cut  
 Recovered 60 ft. of heavy oil cut and gas cut mud  
 Recovered 55 ft. of mud cut oil gassy  
 Recovered 5 ft. of water Chlorides 59,000 ppm

Remarks: \_\_\_\_\_

Time Set Packer(s) 11:57 <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 2:40 <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 107°  
 Initial Hydrostatic Pressure ..... (A) 1697 P.S.I.  
 Initial Flow Period ..... Minutes 40 (B) 88 P.S.I. to (C) 93 P.S.I.  
 Initial Closed In Period ..... Minutes 39 (D) 483 P.S.I.  
 Final Flow Period ..... Minutes 40 (E) 115 P.S.I. to (F) 115 P.S.I.  
 Final Closed In Period ..... Minutes 39 (G) 473 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1685 P.S.I.

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 9/30/80 Test Ticket No. 7395  
 Recorder No. 6077 Capacity 4700 Location 3068 Ft.  
 Clock No. --- Elevation 1759 Ground Level Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1697</u>	P.S.I.	<u>11:57P</u>	<u>M</u>
B First Initial Flow Pressure	<u>88</u>	P.S.I.	<u>40</u>	<u>40</u> Mins.
C First Final Flow Pressure	<u>93</u>	P.S.I.	<u>40</u>	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>483</u>	P.S.I.	<u>40</u>	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>115</u>	P.S.I.	<u>40</u>	<u>39</u> Mins.
F Second Final Flow Pressure	<u>115</u>	P.S.I.		
G Final Closed-in Pressure	<u>473</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1685</u>	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 8 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 13 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 8 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 13 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>88</u>	<u>0</u>	<u>93</u>	<u>0</u>	<u>115</u>	<u>0</u>	<u>115</u>
P 2 <u>5</u>	<u>80</u>	<u>3</u>	<u>113</u>	<u>5</u>	<u>108</u>	<u>3</u>	<u>154</u>
P 3 <u>10</u>	<u>82</u>	<u>6</u>	<u>160</u>	<u>10</u>	<u>106</u>	<u>6</u>	<u>209</u>
P 4 <u>15</u>	<u>83</u>	<u>9</u>	<u>213</u>	<u>15</u>	<u>107</u>	<u>9</u>	<u>265</u>
P 5 <u>20</u>	<u>86</u>	<u>12</u>	<u>268</u>	<u>20</u>	<u>109</u>	<u>12</u>	<u>315</u>
P 6 <u>25</u>	<u>88</u>	<u>15</u>	<u>323</u>	<u>25</u>	<u>111</u>	<u>15</u>	<u>352</u>
P 7 <u>30</u>	<u>90</u>	<u>18</u>	<u>363</u>	<u>30</u>	<u>112</u>	<u>18</u>	<u>385</u>
P 8 <u>35</u>	<u>92</u>	<u>21</u>	<u>395</u>	<u>35</u>	<u>113</u>	<u>21</u>	<u>407</u>
P 9 <u>40</u>	<u>93</u>	<u>24</u>	<u>420</u>	<u>40</u>	<u>115</u>	<u>24</u>	<u>423</u>
P10 <u>45</u>		<u>27</u>	<u>435</u>			<u>27</u>	<u>438</u>
P11		<u>30</u>	<u>450</u>			<u>30</u>	<u>448</u>
P12		<u>33</u>	<u>465</u>			<u>33</u>	<u>458</u>
P13		<u>36</u>	<u>475</u>			<u>36</u>	<u>465</u>
P14		<u>39</u>	<u>483</u>			<u>39</u>	<u>473</u>
P15							
P16							
P17							
P18							
P19							
P20							

JKT # 7395

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