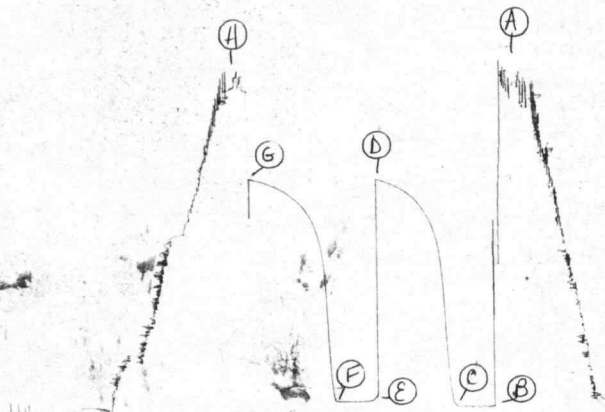


2406 0314 TKT # 9104

SI



Company Kansas Oil Corporation Lease & Well No. Smith #1
Elevation 1898 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 9104
Date 1-4-81 Sec. 14 Twp. 28S Range 13W County Pratt State Kansas
Test Approved by Robert Lamont Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 3870 ft. to 3904 ft. Total Depth 3904 ft.

Packer Depth 3865 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3870 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3834 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 3877 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Spartan Rig #2 Drill Collar Length 125 I. D. 2 1/4 in.

Mud Type Premix Monpac Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 3717 I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 408 Anchor Length 34 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: Strong blow in 5 minutes on initial flow period. Strong blow on final flow period.

No gas to surface.

Recovered 930 ft. of gas in pipe

Recovered 240 ft. of fluid - 60' - 40% oil; 5% gas- 55% mud

Recovered - ft. of 60' - 25% oil; 15% gas; 45% mud; 15% water

Recovered - ft. of 60' - 30% oil; 20% gas; 25% mud; 25% water

Recovered - ft. of 60' - 10% oil; 25% mud; 65% water

Remarks:

Time Set Packer(s) 8:25 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 11:25 ~~P.M.~~ ^{A.M.} Maximum Temperature 105
Initial Hydrostatic Pressure - (A) 1832 P.S.I.
Initial Flow Period 25 Minutes (B) 73 P.S.I. to (C) 75 P.S.I.
Initial Closed In Period 60 Minutes (D) 1284 P.S.I.
Final Flow Period 30 Minutes (E) 123 P.S.I. to (F) 99 P.S.I.
Final Closed In Period 63 Minutes (G) 1288 P.S.I.
Final Hydrostatic Pressure - (H) 1756 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 1-4-81 Recorder No. 2606 Capacity 4150 Test Ticket No. 9104

Clock No. - Elevation 1898 Kelly Bushing Location 3834 Ft. -

Well Temperature 105 °F

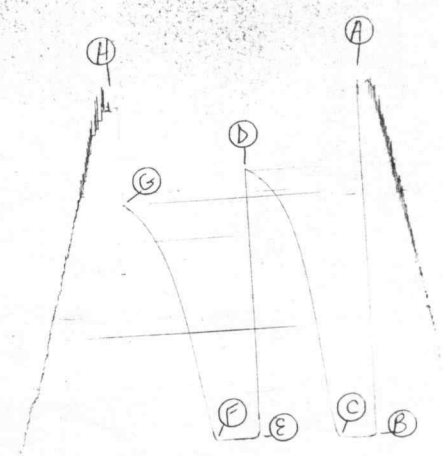
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1832</u> P.S.I.	<u>8:25A</u>	<u>M</u>
B First Initial Flow Pressure	<u>73</u> P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>75</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1284</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>123</u> P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>99</u> P.S.I.		
G Final Closed-in Pressure	<u>1288</u> P.S.I.		
H Final Hydrostatic Mud	<u>1756</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</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>21</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>73</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>99</u>
P 2 <u>5</u>	<u>73</u>	<u>3</u>	<u>96</u>	<u>5</u>	<u>104</u>	<u>3</u>	<u>212</u>
P 3 <u>10</u>	<u>73</u>	<u>6</u>	<u>254</u>	<u>10</u>	<u>99</u>	<u>6</u>	<u>487</u>
P 4 <u>15</u>	<u>73</u>	<u>9</u>	<u>564</u>	<u>15</u>	<u>99</u>	<u>9</u>	<u>792</u>
P 5 <u>20</u>	<u>73</u>	<u>12</u>	<u>819</u>	<u>20</u>	<u>99</u>	<u>12</u>	<u>925</u>
P 6 <u>25</u>	<u>75</u>	<u>15</u>	<u>946</u>	<u>25</u>	<u>99</u>	<u>15</u>	<u>1002</u>
P 7 _____		<u>18</u>	<u>1021</u>	<u>30</u>	<u>99</u>	<u>18</u>	<u>1062</u>
P 8 _____		<u>21</u>	<u>1068</u>			<u>21</u>	<u>1101</u>
P 9 _____		<u>24</u>	<u>1108</u>			<u>24</u>	<u>1130</u>
P10 _____		<u>27</u>	<u>1139</u>			<u>27</u>	<u>1155</u>
P11 _____		<u>30</u>	<u>1166</u>			<u>30</u>	<u>1176</u>
P12 _____		<u>33</u>	<u>1188</u>			<u>33</u>	<u>1195</u>
P13 _____		<u>36</u>	<u>1207</u>			<u>36</u>	<u>1209</u>
P14 _____		<u>39</u>	<u>1221</u>			<u>39</u>	<u>1224</u>
P15 _____		<u>42</u>	<u>1234</u>			<u>42</u>	<u>1236</u>
P16 _____		<u>45</u>	<u>1246</u>			<u>45</u>	<u>1246</u>
P17 _____		<u>48</u>	<u>1257</u>			<u>48</u>	<u>1254</u>
P18 _____		<u>51</u>	<u>1267</u>			<u>51</u>	<u>1263</u>
P19 _____		<u>54</u>	<u>1275</u>			<u>54</u>	<u>1271</u>
P20 _____		<u>57</u>	<u>1282</u>			<u>57</u>	<u>1277</u>
WTC - 4		<u>60</u>	<u>1284</u>			<u>60</u>	<u>1284</u>
						<u>63</u>	<u>1288</u>

2606 DST#2

TKT # 9105
I



Company Kansas Oil Corporation Lease & Well No. Smith #1
 Elevation 1898 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 9105
 Date 1/6/81 Sec. 14 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by Robert Laymont Western Representative Rod Tritt
 Formation Test No. 2 Interval Tested from 4287 ft. to 4330 ft. Total Depth 4330 ft.
 Packer Depth 4282 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4287 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4292 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 4295 ft. Recorder Number 4332 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Spartan Rig #2 Drill Collar Length 219 I. D. 2 1/4 in.
 Mud Type Premix Monpac Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 9.0 Water Loss 7.6 cc. Drill Pipe Length 4040 I. D. 3.8 in.
 Chlorides 18,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 408 Anchor Length 43 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: Strong blow on both the initial & final flow periods. Wouldn't maintain two inch flow line- no gas to surface

Recovered 240 ft. of Fluid - #1 & #2 120' = 1% oil; 24% water; 75% mud
 Recovered - ft. of #3 60' = 5% oil; 25% water; 70% mud
 Recovered - ft. of #4 60' = 10% gas; 10% oil; 35% water; 45% mud
 Recovered - ft. of Chlorides 25,000 PPM
 Recovered - ft. of -

Remarks: _____

Time Set Packer(s) 8:20 A.M. P.M. Time Started Off Bottom 11:20 A.M. P.M. Maximum Temperature 118
 Initial Hydrostatic Pressure (A) 1985 P.S.I.
 Initial Flow Period Minutes 25 (B) 119 P.S.I. to (C) 114 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1582 P.S.I.
 Final Flow Period Minutes 30 (E) 156 P.S.I. to (F) 131 P.S.I.
 Final Closed In Period Minutes 60 (G) 1417 P.S.I.
 Final Hydrostatic Pressure (H) 1952 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

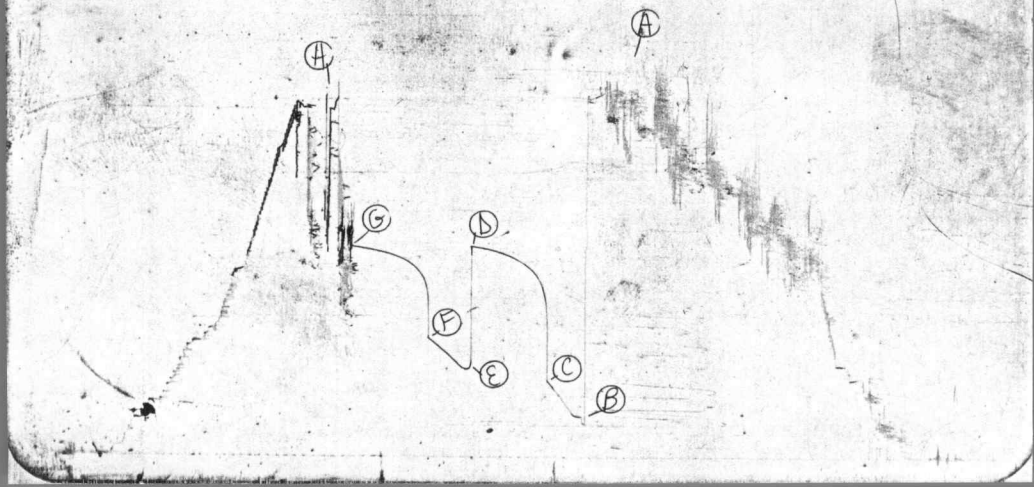
Date 1/6/81 Recorder No. 2606 Capacity 4150 Test Ticket No. 9105
 Location 4292 Ft.
 Clock No. - Elevation 1898 Kelly Bushing Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1985 P.S.I.	8:20A	M
B First Initial Flow Pressure	119 P.S.I.	30 Mins.	25 Mins.
C First Final Flow Pressure	114 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1582 P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	156 P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	131 P.S.I.		
G Final Closed-in Pressure	1417 P.S.I.		
H Final Hydrostatic Mud	1952 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>20</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>119</u>	<u>0</u>	<u>114</u>	<u>0</u>	<u>156</u>	<u>0</u>	<u>131</u>
P 2 <u>5</u>	<u>111</u>	<u>3</u>	<u>173</u>	<u>5</u>	<u>135</u>	<u>3</u>	<u>191</u>
P 3 <u>10</u>	<u>111</u>	<u>6</u>	<u>285</u>	<u>10</u>	<u>133</u>	<u>6</u>	<u>283</u>
P 4 <u>15</u>	<u>111</u>	<u>9</u>	<u>423</u>	<u>15</u>	<u>133</u>	<u>9</u>	<u>421</u>
P 5 <u>20</u>	<u>113</u>	<u>12</u>	<u>562</u>	<u>20</u>	<u>131</u>	<u>12</u>	<u>554</u>
P 6 <u>25</u>	<u>114</u>	<u>15</u>	<u>711</u>	<u>25</u>	<u>131</u>	<u>15</u>	<u>678</u>
P 7		<u>18</u>	<u>875</u>	<u>30</u>	<u>131</u>	<u>18</u>	<u>782</u>
P 8		<u>21</u>	<u>1017</u>			<u>21</u>	<u>886</u>
P 9		<u>24</u>	<u>1130</u>			<u>24</u>	<u>965</u>
P10		<u>27</u>	<u>1215</u>			<u>27</u>	<u>1033</u>
P11		<u>30</u>	<u>1284</u>			<u>30</u>	<u>1101</u>
P12		<u>33</u>	<u>1346</u>			<u>33</u>	<u>1153</u>
P13		<u>36</u>	<u>1390</u>			<u>36</u>	<u>1201</u>
P14		<u>39</u>	<u>1429</u>			<u>39</u>	<u>1244</u>
P15		<u>42</u>	<u>1460</u>			<u>42</u>	<u>1282</u>
P16		<u>45</u>	<u>1490</u>			<u>45</u>	<u>1313</u>
P17		<u>48</u>	<u>1513</u>			<u>48</u>	<u>1344</u>
P18		<u>51</u>	<u>1536</u>			<u>51</u>	<u>1369</u>
P19		<u>54</u>	<u>1555</u>			<u>54</u>	<u>1390</u>
P20		<u>57</u>	<u>1569</u>			<u>57</u>	<u>1408</u>
WTC - 4		<u>60</u>	<u>1582</u>			<u>60</u>	<u>1417</u>

TKT # 8269
I



Company Kansas Oil Corporation Lease & Well No. Smith #1
Elevation - Formation Simpson Effective Pay - Ft. Ticket No. 8269
Date 1/7/81 Sec. 14 Twp. 28S Range 13W County Pratt State Kansas
Test Approved by Robert Laymont Western Representative Stuart Stover
Formation Test No. 3 Interval Tested from 4457 ft. to 4490 ft. Total Depth 4490 ft.
Packer Depth 4452 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4457 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4462 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 4467 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Spartan Rig #2 Drill Collar Length 210 I. D. 2 1/4 in.
Mud Type Premix Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 8.6 Water Loss 6.4 cc. Drill Pipe Length 4220 I. D. 4.0 in.
Chlorides 11,500 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 33 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow off bottom of bucket

Recovered 250 ft. of gassy muddy water Chlorides 58,000 PPM
Recovered 720 ft. of gassy salt water Chlorides 98,000 PPM
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 2:45 ~~A.M.~~ P.M. Time Started Off Bottom 5:45 ~~A.M.~~ P.M. Maximum Temperature -
Initial Hydrostatic Pressure 2062 P.S.I. (A)
Initial Flow Period 30 Minutes (B) 178 P.S.I. to (C) 436 P.S.I.
Initial Closed In Period 57 Minutes (D) 1209 P.S.I.
Final Flow Period 30 Minutes (E) 520 P.S.I. to (F) 688 P.S.I.
Final Closed In Period 54 Minutes (G) 1207 P.S.I.
Final Hydrostatic Pressure 2042 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 1/7/81 Recorder No. 11018 Capacity 4425 Test Ticket No. 8269
 Clock No. - Elevation - Location 4462 Ft. - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2062	P.S.I.	2:45P	M
B First Initial Flow Pressure	178	P.S.I.	30	Mins. 30
C First Final Flow Pressure	436	P.S.I.	60	Mins. 57
D Initial Closed-in Pressure	1209	P.S.I.	30	Mins. 30
E Second Initial Flow Pressure	520	P.S.I.	60	Mins. 54
F Second Final Flow Pressure	688	P.S.I.		
G Final Closed-in Pressure	1207	P.S.I.		
H Final Hydrostatic Mud	2042	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>18</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>178</u>	<u>0</u>	<u>436</u>	<u>0</u>	<u>520</u>	<u>0</u>	<u>688</u>
P 2 <u>5</u>	<u>233</u>	<u>3</u>	<u>969</u>	<u>5</u>	<u>511</u>	<u>3</u>	<u>1022</u>
P 3 <u>10</u>	<u>251</u>	<u>6</u>	<u>1020</u>	<u>10</u>	<u>540</u>	<u>6</u>	<u>1059</u>
P 4 <u>15</u>	<u>302</u>	<u>9</u>	<u>1053</u>	<u>15</u>	<u>577</u>	<u>9</u>	<u>1086</u>
P 5 <u>20</u>	<u>358</u>	<u>12</u>	<u>1079</u>	<u>20</u>	<u>611</u>	<u>12</u>	<u>1106</u>
P 6 <u>25</u>	<u>407</u>	<u>15</u>	<u>1099</u>	<u>25</u>	<u>644</u>	<u>15</u>	<u>1123</u>
P 7 <u>30</u>	<u>436</u>	<u>18</u>	<u>1115</u>	<u>30</u>	<u>688</u>	<u>18</u>	<u>1134</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>1128</u>	<u> </u>	<u> </u>	<u>21</u>	<u>1145</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1141</u>	<u> </u>	<u> </u>	<u>24</u>	<u>1154</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1154</u>	<u> </u>	<u> </u>	<u>27</u>	<u>1163</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1163</u>	<u> </u>	<u> </u>	<u>30</u>	<u>1170</u>
P12 <u> </u>	<u> </u>	<u>33</u>	<u>1172</u>	<u> </u>	<u> </u>	<u>33</u>	<u>1176</u>
P13 <u> </u>	<u> </u>	<u>36</u>	<u>1178</u>	<u> </u>	<u> </u>	<u>36</u>	<u>1181</u>
P14 <u> </u>	<u> </u>	<u>39</u>	<u>1185</u>	<u> </u>	<u> </u>	<u>39</u>	<u>1187</u>
P15 <u> </u>	<u> </u>	<u>42</u>	<u>1192</u>	<u> </u>	<u> </u>	<u>42</u>	<u>1192</u>
P16 <u> </u>	<u> </u>	<u>45</u>	<u>1198</u>	<u> </u>	<u> </u>	<u>45</u>	<u>1196</u>
P17 <u> </u>	<u> </u>	<u>48</u>	<u>1202</u>	<u> </u>	<u> </u>	<u>48</u>	<u>1199</u>
P18 <u> </u>	<u> </u>	<u>51</u>	<u>1205</u>	<u> </u>	<u> </u>	<u>51</u>	<u>1205</u>
P19 <u> </u>	<u> </u>	<u>54</u>	<u>1209</u>	<u> </u>	<u> </u>	<u>54</u>	<u>1207</u>
P20 <u> </u>	<u> </u>	<u>57</u>	<u>1209</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>