

Company Big "J" Production Company, Inc. Lease & Well No. McCoin #1
Elevation N/A Formation Kansas City Effective Pay - Ft. Ticket No. 7804
Date 10-25-80 Sec. 35 Twp. 27S Range 2W County Sedgwick State Kansas
Test Approved by R. S. Renard Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 3014 ft. to 3048 ft. Total Depth 3048 ft.

Packer Depth 3009 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3014 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3040 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3043 ft. Recorder Number 10980 Cap. 4200

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

Drilling Contractor Brandt Rig #1 Drill Collar Length 92 I. D. 2 1/4 in.

Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 18.4 cc. Drill Pipe Length 2915 I. D. 3.8 in.

Chlorides 29,000 P.P.M. Test Tool Length 20 ft. Tool Size 4 1/2 OD in.

Jars: Make No Serial Number - Anchor Length 34 ft. Size 4 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 3 1/2 IF in.

Very weak blow for 8 minutes.
Blow: _____

Recovered 5 ft. of drilling mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 9:30 ~~A.M.~~ P.M. Time Started Off Bottom 11:00 ~~A.M.~~ P.M. Maximum Temperature 103
Initial Hydrostatic Pressure (A) 1555 P.S.I.
Initial Flow Period Minutes 15 (B) 34 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period Minutes 45 (D) 804 P.S.I.
Final Flow Period Minutes 15 (E) 58 P.S.I. to (F) 55 P.S.I.
Final Closed In Period Minutes 18 (G) 72 P.S.I.
Final Hydrostatic Pressure (H) 1551 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10/25/80 Test Ticket No. 7804
 Recorder No. 3354 Capacity 4200 Location 3048 Ft.
 Clock No. - Elevation - Well Temperature 103 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1555</u> P.S.I.	<u>9:30P</u> M	
B First Initial Flow Pressure	<u>34</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>804</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>58</u> P.S.I.	<u>15</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>55</u> P.S.I.		
G Final Closed-in Pressure	<u>72</u> P.S.I.		
H Final Hydrostatic Mud	<u>1551</u> P.S.I.		

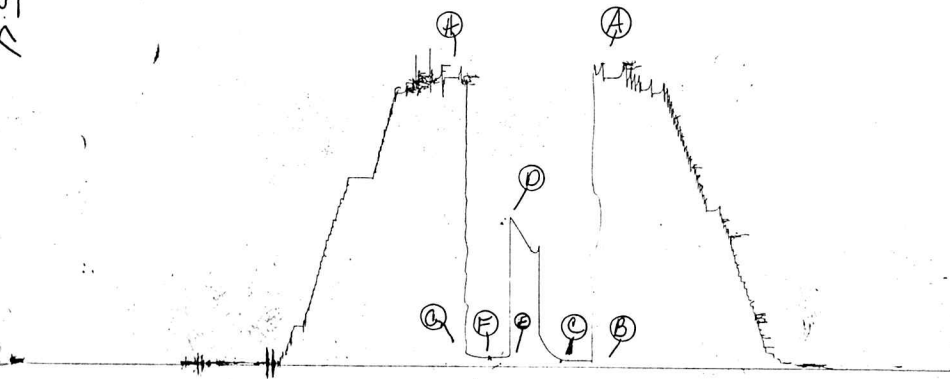
* Pressures questionable due to tool leak

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>6</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>34</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>58</u>	<u>0</u>	<u>55</u>
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>40</u>	<u>5</u>	<u>55</u>	<u>3</u>	<u>55</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>40</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>55</u>
P 4 <u>15</u>	<u>40</u>	<u>9</u>	<u>49</u>	<u>15</u>	<u>55</u>	<u>9</u>	<u>56</u>
P 5		<u>12</u>	<u>59</u>			<u>12</u>	<u>59</u>
P 6		<u>15</u>	<u>76</u>			<u>15</u>	<u>65</u>
P 7		<u>18</u>	<u>101</u>			<u>18</u>	<u>72</u>
P 8		<u>21</u>	<u>131</u>				
P 9		<u>24</u>	<u>181</u>				
P10		<u>27</u>	<u>618 *</u>				
P11		<u>30</u>	<u>624</u>				
P12		<u>33</u>	<u>639</u>				
P13		<u>36</u>	<u>688</u>				
P14		<u>39</u>	<u>728</u>				
P15		<u>42</u>	<u>762</u>				
P16		<u>45</u>	<u>804</u>				
P17							
P18							
P19							
P20							

Tkt #7804
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3354



Company Big "J" Production & Quadel Energy Corporation Lease & Well No. McCoin #1
Elevation 1377 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 7806
Date 10-28-80 Sec. 35 Twp. 27S Range 2W County Sedgwick State Kansas
Test Approved by Bill Hubbell Western Representative Allen Edgington

Formation Test No. 2 Interval Tested from 3500 ft. to 3513 ft. Total Depth 3513 ft.

Packer Depth 3495 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3500 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3487 Ap ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3506 ft. Recorder Number 10980 Cap. 4200

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

Drilling Contractor Brandt Rig #1 Drill Collar Length 92 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 39 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 16.8 cc. Drill Pipe Length 3393 I. D. 2 1/2 in.

Chlorides 25,000 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 OD in.

Jars: Make No Serial Number - Anchor Length 13 ft. Size 4 1/2 OD 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 3 1/4 IF & FH in.

Blow: Very weak for 17 minutes

Recovered 10 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:05 ~~P.M.~~ ^{A.M.} Maximum Temperature 117

Initial Hydrostatic Pressure 1805 P.S.I.

Initial Flow Period 35 Minutes (B) 4 * P.S.I. to (C) 61 * P.S.I.

Initial Closed In Period 27 Minutes (D) 1101 P.S.I.

Final Flow Period 10 Minutes (E) 42 P.S.I. to (F) 44 P.S.I.

Final Closed In Period -- Minutes (G) -- P.S.I.

Final Hydrostatic Pressure 1805 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10/28/80 Test Ticket No. 7806
 Recorder No. 3354 Capacity 4200 Location 3487 Ft.
 Clock No. --- Elevation 1377 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1805</u> P.S.I.	Open Tool	<u>4:00A</u> M	
B First Initial Flow Pressure	<u>4 *</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>61 *</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1101</u> P.S.I.	Second Flow Pressure	<u>Flushed tool</u> Mins.	<u>10</u> Mins.
E Second Initial Flow Pressure	<u>42</u> P.S.I.	Final Closed-in Pressure	<u>--</u> Mins.	<u>--</u> Mins.
F Second Final Flow Pressure	<u>44</u> P.S.I.			
G Final Closed-in Pressure	<u>--</u> P.S.I.			
H Final Hydrostatic Mud	<u>1805</u> P.S.I.			

* Pressures questionable due to plugging action

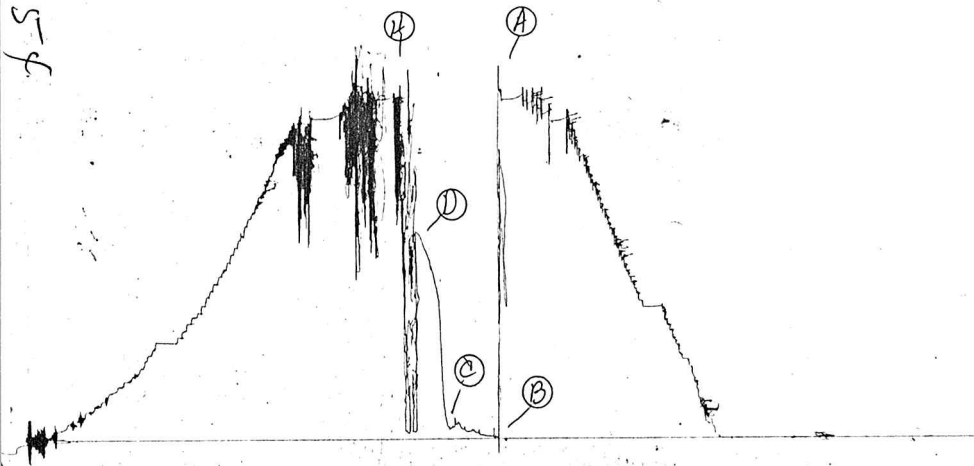
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
Breakdown: <u>7</u> Inc.		Breakdown: <u>9</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.	
P 1 <u>0</u>	<u>4 *</u>	0	<u>61*</u>	0	<u>42</u>		
P 2 <u>5</u>	<u>15 *</u>	3	<u>99</u>	5	<u>34</u>		
P 3 <u>10</u>	<u>19 *</u>	6	<u>274</u>	10	<u>44</u>		
P 4 <u>15</u>	<u>36 *</u>	9	<u>679</u>				
P 5 <u>20</u>	<u>46 *</u>	12	<u>812</u>				
P 6 <u>25</u>	<u>44 *</u>	15	<u>890</u>				
P 7 <u>30</u>	<u>87 *</u>	18	<u>966</u>				
P 8 <u>35</u>	<u>61 *</u>	21	<u>1017</u>				
P 9		24	<u>1061</u>				
P10		27	<u>1101</u>				
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JK #7806

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8354



Company Big "J" Production & Quadel Energy Corporation Lease & Well No. McCoin #1
 Elevation 1377 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 7808
 Date 10-28-80 Sec. 35 Twp. 27S Range 2W County Sedgwick State Kansas
 Test Approved by Bill Hubbell Western Representative Allen Edgington
 Formation Test No. 3 Interval Tested from 3500 ft. to 3528 ft. Total Depth 3528 ft.
 Packer Depth 3495 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3500 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3518 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 3521 ft. Recorder Number 10980 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Brandt Rig #2 Drill Collar Length 92 I. D. 2 3/4 in.
 Mud Type Starch Viscosity 37 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss 15.6 cc. Drill Pipe Length 3393 I. D. 2 1/2 in.
 Chlorides 30,500 P.P.M. Test Tool Length 20 ft. Tool Size 4 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 28 ft. Size 4 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 3 1/2 IF & FH in.

Blow: Fair to strong throughout test

Recovered 465 ft. of gas
 Recovered 30 ft. of very slightly oil cut heavy gas cut mud
 Recovered 60 ft. of slightly oil cut heavy gas cut mud
 Recovered 120 ft. of Oil & gas cut mud
 Recovered 120 ft. of Heavy oil & gas cut mud - 72% oil, 28% mud
 Remarks: 60 Ft water

Time Set Packer(s) 10:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:15 ~~A.M.~~ P.M. Maximum Temperature 118
 Initial Hydrostatic Pressure (A) 1799 P.S.I.
 Initial Flow Period Minutes 30 (B) 72 P.S.I. to (C) 108 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1148 P.S.I.
 Final Flow Period Minutes 60 (E) 133 P.S.I. to (F) 192 P.S.I.
 Final Closed In Period Minutes 30 (G) 1061 P.S.I.
 Final Hydrostatic Pressure (H) 1792 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10/28/80 Test Ticket No. 7808
 Recorder No. 3354 Capacity 4200 Location 3518 Ft.
 Clock No. -- Elevation 1377 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1799 P.S.I.	Open Tool	10:30P M	
B First Initial Flow Pressure	72 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	108 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1148 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	133 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	192 P.S.I.			
G Final Closed-in Pressure	1061 P.S.I.			
H Final Hydrostatic Mud	1792 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>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</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>72</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>133</u>	<u>0</u>	<u>192</u>
P 2 <u>5</u>	<u>91</u>	<u>3</u>	<u>171</u>	<u>5</u>	<u>133</u>	<u>3</u>	<u>422</u>
P 3 <u>10</u>	<u>87</u>	<u>6</u>	<u>344</u>	<u>10</u>	<u>137</u>	<u>6</u>	<u>684</u>
P 4 <u>15</u>	<u>89</u>	<u>9</u>	<u>684</u>	<u>15</u>	<u>143</u>	<u>9</u>	<u>823</u>
P 5 <u>20</u>	<u>95</u>	<u>12</u>	<u>869</u>	<u>20</u>	<u>150</u>	<u>12</u>	<u>909</u>
P 6 <u>25</u>	<u>101</u>	<u>15</u>	<u>960</u>	<u>25</u>	<u>154</u>	<u>15</u>	<u>960</u>
P 7 <u>30</u>	<u>108</u>	<u>18</u>	<u>1013</u>	<u>30</u>	<u>158</u>	<u>18</u>	<u>992</u>
P 8 _____	_____	<u>21</u>	<u>1049</u>	<u>35</u>	<u>162</u>	<u>21</u>	<u>1017</u>
P 9 _____	_____	<u>24</u>	<u>1072</u>	<u>40</u>	<u>169</u>	<u>24</u>	<u>1036</u>
P10 _____	_____	<u>27</u>	<u>1091</u>	<u>45</u>	<u>175</u>	<u>27</u>	<u>1053</u>
P11 _____	_____	<u>30</u>	<u>1108</u>	<u>50</u>	<u>179</u>	<u>30</u>	<u>1061</u>
P12 _____	_____	<u>33</u>	<u>1120</u>	<u>55</u>	<u>186</u>	_____	_____
P13 _____	_____	<u>36</u>	<u>1131</u>	<u>60</u>	<u>192</u>	_____	_____
P14 _____	_____	<u>39</u>	<u>1139</u>	_____	_____	_____	_____
P15 _____	_____	<u>42</u>	<u>1146</u>	_____	_____	_____	_____
P16 _____	_____	<u>45</u>	<u>1148</u>	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

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