

Company Wiley R. Ash, Jr. Lease & Well No. Mollett #2
 Elevation --- Formation Kansas City Effective Pay -- Ft. Ticket No. 13133
 Date 3/14/82 Sec. 9 Twp. 28S Range 2E County Sedgwick State Kansas
 Test Approved by Joh Feesenden (D.B.) Western Representative Allen Edgington
 Formation Test No. 1 Interval Tested from 2561 ft. to 2569 ft. Total Depth 2569 ft.
 Packer Depth 2556 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2561 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2563 ft. Recorder Number 5666 Cap 3950
 Bottom Recorder Depth (Outside) 2566 ft. Recorder Number 3354 Cap 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -
 Drilling Contractor Edco Drlg. Rig #6 Drill Collar Length 271 I. D. 2 in.
 Mud Type chemical Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss - cc. Drill Pipe Length 2276 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 26 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 8 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 in.

Blow: Weak blow throughout test.

Recovered <u>15</u> ft. of	<u>oil cut watery mud</u>	<u>50% oil</u>
Recovered <u>345</u> ft. of	<u>salt water</u>	<u>Chlorides 67,000 ppm</u>
Recovered _____ ft. of		
Recovered _____ ft. of		
Recovered _____ ft. of		

Remarks: _____

Time Set Packer(s) 8:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 101°
 Initial Hydrostatic Pressure (A) 1267 P.S.I.
 Initial Flow Period Minutes 90 (B) 33 P.S.I. to (C) 148 P.S.I.
 Initial Closed In Period Minutes 45 (D) 993 P.S.I.
 Final Flow Period Minutes 90 (E) 173 P.S.I. to (F) 214 P.S.I.
 Final Closed In Period Minutes 75 (G) 999 P.S.I.
 Final Hydrostatic Pressure (H) 1257 P.S.I.

Pressure Data

Date 3/14/82

Test Ticket No 13133

Recorder No. 5666 Capacity 3950 Location 2563 Ft.

Clock No. -- Elevation --- Well Temperature 101 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	1267	P.S.I.	Open Tool	8:30A	M
B First Initial Flow Pressure	33	P.S.I.	First Flow Pressure	90	90 Mins.
C First Final Flow Pressure	148	P.S.I.	Initial Closed-in Pressure	45	45 Mins.
D Initial Closed-in Pressure	993	P.S.I.	Second Flow Pressure	90	90 Mins.
E Second Initial Flow Pressure	173	P.S.I.	Final Closed-in Pressure	75	75 Mins.
F Second Final Flow Pressure	214	P.S.I.			
G Final Closed-in Pressure	999	P.S.I.			
H Final Hydrostatic Mud	1257	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 25 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 0	33	0	148	0	173	0	214
P 2 5	36	3	908	5	173	3	908
P 3 10	41	6	945	10	173	6	944
P 4 15	48	9	961	15	173	9	959
P 5 20	57	12	970	20	173	12	970
P 6 25	67	15	976	25	174	15	975
P 7 30	75	18	979	30	178	18	979
P 8 35	84	21	982	35	181	21	982
P 9 40	91	24	985	40	184	24	985
P10 45	99	27	987	45	188	27	986
P11 50	105	30	989	50	191	30	988
P12 55	111	33	990	55	195	33	989
P13 60	116	36	991	60	199	36	990
P14 65	123	39	992	65	202	39	991
P15 70	130	42	993	70	204	42	992
P16 75	135	45	993	75	206	45	993
P17 80	142			80	209	48	994
P18 85	145			85	211	51	995
P19 90	148			90	214	54	996
P20						57	997
WTC - 4						60	997

WESTERN TESTING CO., INC.

Pressure Data

Date 3/14/82 Test Ticket No 13133
 Recorder No. 5666 Capacity 3950 Location 2563 Ft.
 Clock No. -- Elevation --- Well Temperature 101 °F

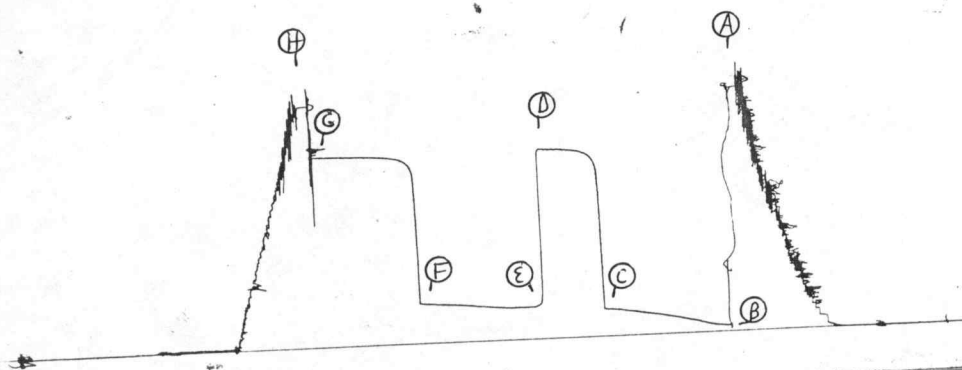
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1267</u> P.S.I.	Open Tool	<u>8:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>33</u> P.S.I.	First Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
C First Final Flow Pressure	<u>148</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>993</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>173</u> P.S.I.	Final Closed-in Pressure	<u>75</u> Mins.	<u>75</u> Mins.
F Second Final Flow Pressure	<u>214</u> P.S.I.			
G Final Closed-in Pressure	<u>999</u> P.S.I.			
H Final Hydrostatic Mud	<u>1257</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>18</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>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>25</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>63</u>	<u>998</u>
P 2						<u>66</u>	<u>998</u>
P 3						<u>69</u>	<u>999</u>
P 4						<u>72</u>	<u>999</u>
P 5						<u>75</u>	<u>999</u>
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 13133
I

5665



Company Wiley Ash, Jr. Lease & Well No. Mollett #2
Elevation ? Formation Simpson Effective Pay - Ft. Ticket No. 13233
Date 3/ 17/82 Sec. 9 Twp. 28S Range 2E County Sedgwick State Kansas
Test Approved by Fuzz (D.D.) Western Representative Kenny Kirkendall
Formation Test No. 2 Interval Tested from 3292 ft. to 3304 ft. Total Depth 3304 ft.
Packer Depth - ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth - ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3296 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 3299 ft. Recorder Number 10979 Cap. 4100
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Edco Drlg. Rig #6 Drill Collar Length 270 I. D. - in.
Mud Type chemical Viscosity 38 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss - cc. Drill Pipe Length - I. D. - in.
Chlorides 1,300 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make No Serial Number - Anchor Length 12 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 in.

Blow: Very weak; died in thirty minutes on initial flow; surge as tool opened. Final flow period - no blow.

Recovered 2 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read Chart #10979

Time Set	Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature	
Initial Hydrostatic Pressure			(A) 1655	P.S.I.		
Initial Flow Period	Minutes 60	(B) 26	P.S.I. to (C) 26	P.S.I.		
Initial Closed In Period	Minutes 30	(D) 51	P.S.I.			
Final Flow Period	Minutes 30	(E) 37	P.S.I. to (F) 37	P.S.I.		
Final Closed In Period	Minutes 30	(G) 169	P.S.I.			
Final Hydrostatic Pressure		(H) 1655	P.S.I.			

WESTERN TESTING CO., INC.

Pressure Data

Date 3-17-82 Test Ticket No. 13233
 Recorder No. 10979 Capacity 4100 Location 3299 Ft.
 Clock No. ----- Elevation ----- Well Temperature 118 °F

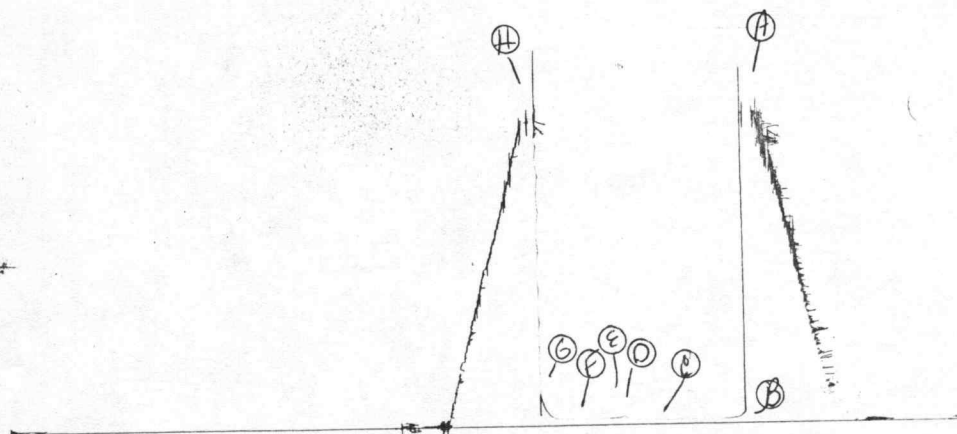
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1655</u>	P.S.I.	---	M
B First Initial Flow Pressure	<u>26</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>26</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>51</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>37</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>37</u>	P.S.I.		
G Final Closed-in Pressure	<u>169</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1655</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>26</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>26</u>	<u>3</u>	<u>28</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>37</u>
P 3 <u>10</u>	<u>26</u>	<u>6</u>	<u>29</u>	<u>10</u>	<u>37</u>	<u>6</u>	<u>37</u>
P 4 <u>15</u>	<u>26</u>	<u>9</u>	<u>29</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>37</u>
P 5 <u>20</u>	<u>26</u>	<u>12</u>	<u>29</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>37</u>
P 6 <u>25</u>	<u>26</u>	<u>15</u>	<u>29</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>37</u>
P 7 <u>30</u>	<u>26</u>	<u>18</u>	<u>31</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>40</u>
P 8 <u>35</u>	<u>26</u>	<u>21</u>	<u>33</u>			<u>21</u>	<u>47</u>
P 9 <u>40</u>	<u>26</u>	<u>24</u>	<u>37</u>			<u>24</u>	<u>64</u>
P10 <u>45</u>	<u>26</u>	<u>27</u>	<u>43</u>			<u>27</u>	<u>94</u>
P11 <u>50</u>	<u>26</u>	<u>30</u>	<u>51</u>			<u>30</u>	<u>169</u>
P12 <u>55</u>	<u>26</u>						
P13 <u>60</u>	<u>26</u>						
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JK #13233

10479



Company Wiley Ash, Jr. Lease & Well No. Mollett #2
Elevation ? Formation Simpson Effective Pay - Ft. Ticket No. 13234
Date 3/18/82 Sec. 9 Twp. 28S Range 2E County Sedgwick State Kansas
Test Approved by Jake Rollings (Morning Driller) Representative Kenny Kirkendall
Formation Test No. 3 Interval Tested from 3320 ft. to 3328 ft. Total Depth 3328 ft.
Packer Depth 3320 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3315 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) AP 3308 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 3324 ft. Recorder Number 10979 Cap. 4100
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Edco Drlg. Rig #6 Drill Collar Length 270 I. D. - in.
Mud Type chemical Viscosity 38 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss - cc. Drill Pipe Length - I. D. - in.
Chlorides 1,300 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make No Serial Number - Anchor Length 8 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 in.

Blow: Weak blow throughout test.

Recovered 300 ft. of gas in pipe
Recovered 70 ft. of free gassy oil 38 gravity
Recovered 10 ft. of heavy oil cut mud

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature	<u>118°</u>
Initial Hydrostatic Pressure		(A) <u>1650</u>	P.S.I.		
Initial Flow Period	Minutes	<u>90</u>	(B) <u>23</u>	P.S.I. to (C)	<u>23</u> P.S.I.
Initial Closed In Period	Minutes	<u>48</u>	(D) <u>1145</u>	P.S.I.	
Final Flow Period	Minutes	<u>65</u>	(E) <u>51</u>	P.S.I. to (F)	<u>51</u> P.S.I.
Final Closed In Period	Minutes	<u>96</u>	(G) <u>1172</u>	P.S.I.	
Final Hydrostatic Pressure		(H) <u>1613</u>	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 3-18-82

Recorder No. 2605

Capacity 4150

Test Ticket No. 13234

Location 3308 Ft.

Clock No. ----

Elevation -----

Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1650</u>	P.S.I.	----	M
B First Initial Flow Pressure	<u>23</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
C First Final Flow Pressure	<u>23</u>	P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1145</u>	P.S.I.	<u>60</u> Mins.	<u>65</u> Mins.
E Second Initial Flow Pressure	<u>51</u>	P.S.I.	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>51</u>	P.S.I.		
G Final Closed-in Pressure	<u>1172</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1613</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>13</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>32</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>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>51</u>
P 2 <u>5</u>	<u>Flushed Tool</u>	<u>3</u>	<u>184</u>	<u>5</u>	<u>51</u>	<u>3</u>	<u>417</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>643</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>742</u>
P 4 <u>15</u>	<u>19</u>	<u>9</u>	<u>836</u>	<u>15</u>	<u>51</u>	<u>9</u>	<u>859</u>
P 5 <u>20</u>	<u>16</u>	<u>12</u>	<u>917</u>	<u>20</u>	<u>51</u>	<u>12</u>	<u>911</u>
P 6 <u>25</u>	<u>16</u>	<u>15</u>	<u>963</u>	<u>25</u>	<u>51</u>	<u>15</u>	<u>948</u>
P 7 <u>30</u>	<u>16</u>	<u>18</u>	<u>996</u>	<u>30</u>	<u>51</u>	<u>18</u>	<u>979</u>
P 8 <u>35</u>	<u>16</u>	<u>21</u>	<u>1027</u>	<u>35</u>	<u>51</u>	<u>21</u>	<u>1008</u>
P 9 <u>40</u>	<u>16</u>	<u>24</u>	<u>1050</u>	<u>40</u>	<u>51</u>	<u>24</u>	<u>1028</u>
P10 <u>45</u>	<u>16</u>	<u>27</u>	<u>1070</u>	<u>45</u>	<u>51</u>	<u>27</u>	<u>1048</u>
P11 <u>50</u>	<u>16</u>	<u>30</u>	<u>1090</u>	<u>50</u>	<u>51</u>	<u>30</u>	<u>1060</u>
P12 <u>55</u>	<u>16</u>	<u>33</u>	<u>1100</u>	<u>55</u>	<u>51</u>	<u>33</u>	<u>1072</u>
P13 <u>60</u>	<u>17</u>	<u>36</u>	<u>1110</u>	<u>60</u>	<u>51</u>	<u>36</u>	<u>1085</u>
P14 <u>65</u>	<u>17</u>	<u>39</u>	<u>1120</u>	<u>65</u>	<u>51</u>	<u>39</u>	<u>1097</u>
P15 <u>70</u>	<u>18</u>	<u>42</u>	<u>1130</u>			<u>42</u>	<u>1106</u>
P16 <u>75</u>	<u>19</u>	<u>45</u>	<u>1140</u>			<u>45</u>	<u>1113</u>
P17 <u>80</u>	<u>20</u>	<u>48</u>	<u>1145</u>			<u>48</u>	<u>1118</u>
P18 <u>85</u>	<u>21</u>					<u>51</u>	<u>1123</u>
P19 <u>90</u>	<u>23</u>					<u>54</u>	<u>1129</u>
P20						<u>57</u>	<u>1135</u>
						<u>60</u>	<u>1139</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3-18-82

Test Ticket No. 13234

Recorder No. 2605

Capacity 4150

Location 3308

Clock No. ----

Elevation -----

Well Temperature 118

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1650</u>	P.S.I.	<u>----</u>	<u>M</u>
B First Initial Flow Pressure	<u>23</u>	P.S.I.	<u>90</u>	<u>90</u>
C First Final Flow Pressure	<u>23</u>	P.S.I.	<u>45</u>	<u>48</u>
D Initial Closed-in Pressure	<u>1145</u>	P.S.I.	<u>60</u>	<u>65</u>
E Second Initial Flow Pressure	<u>51</u>	P.S.I.	<u>90</u>	<u>96</u>
F Second Final Flow Pressure	<u>51</u>	P.S.I.		
G Final Closed-in Pressure	<u>1172</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1613</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

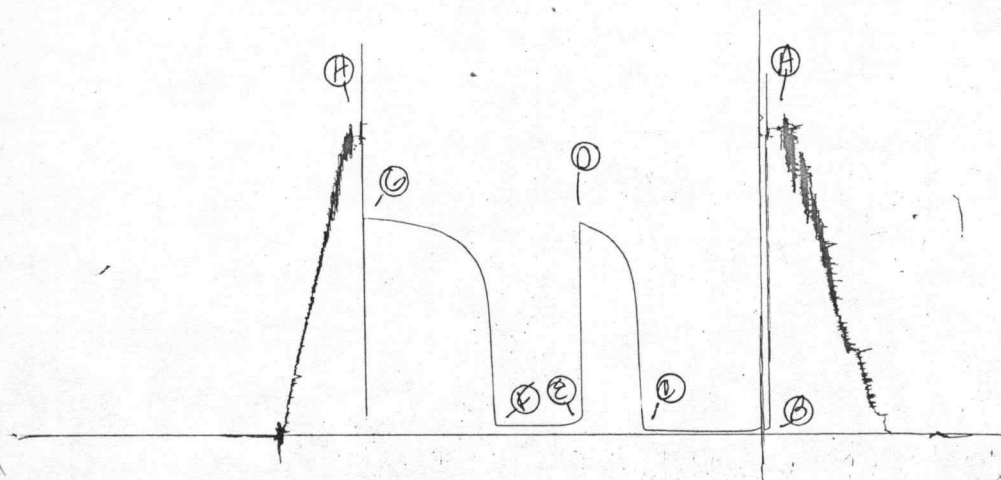
Second Flow Pressure
Breakdown: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 32 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						63	1143
P 2						66	1147
P 3						69	1151
P 4						72	1155
P 5						75	1159
6						78	1163
P 7						81	1164
P 8						84	1166
P 9						87	1168
P10						90	1170
P11						93	1171
P12						96	1172
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JK # 13234
I

2605



Company Wiley R. Ash, Sr. Lease & Well No. Mollett #2
Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 13235
Date 3/19/82 Sec. 9 Twp. 28S Range 2E County Sedgwick State Kansas
Test Approved by -----? Western Representative Kenny Kirkendall

Formation Test No. 4 Interval Tested from 3330 ft. to 3340 ft. Total Depth 3340 ft.
Packer Depth 3330 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3325 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3334 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 3338 ft. Recorder Number 10979 Cap. 4100
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Edco Drlg. Rig #6 Drill Collar Length 270 I. D. - in.
Mud Type chemical Viscosity 38 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss - cc. Drill Pipe Length - I. D. - in.
Chlorides 1,300 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 10 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 throughout test.

Recovered 670 ft. of froggy gassy oil
Recovered 120 ft. of mud cut oil
Recovered 120 ft. of salt water
Recovered - ft. of -
Recovered - ft. of -
Remarks: -

Time Set Packer(s) - A.M. P.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature -
Initial Hydrostatic Pressure 1638 P.S.I.
Initial Flow Period 55 Minutes (B) 183 * P.S.I. to (C) 169 * P.S.I.
Initial Closed In Period 30 Minutes (D) 1260 P.S.I.
Final Flow Period 115 Minutes (E) 170 P.S.I. to (F) 295 P.S.I.
Final Closed In Period 60 Minutes (G) 1215 P.S.I.
Final Hydrostatic Pressure 1602 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 3/19/82 Recorder No. 2605 Capacity 4150 Test Ticket No. 13235
 Clock No. --- Elevation -- Location 3334 Ft. ---
 Well Temperature ----- °F ---

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1638</u> P.S.I.	Open Tool	--	M
B First Initial Flow Pressure	<u>183 *</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>169 *</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1260</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>170</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>295</u> P.S.I.			
G Final Closed-in Pressure	<u>1215</u> P.S.I.			
H Final Hydrostatic Mud	<u>1602</u> P.S.I.			

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>23</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</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>183 *</u>	<u>0</u>	<u>169 *</u>	<u>0</u>	<u>170</u>	<u>0</u>	<u>295</u>
P 2 <u>5</u>	<u>1168 *</u>	<u>3</u>	<u>1169</u>	<u>5</u>	<u>170</u>	<u>3</u>	<u>1039</u>
P 3 <u>10</u>	<u>1258 *</u>	<u>6</u>	<u>1211</u>	<u>10</u>	<u>170</u>	<u>6</u>	<u>1095</u>
P 4 <u>15</u>	<u>1273 *</u>	<u>9</u>	<u>1231</u>	<u>15</u>	<u>170</u>	<u>9</u>	<u>1124</u>
P 5 <u>20</u>	<u>1278 *</u>	<u>12</u>	<u>1241</u>	<u>20</u>	<u>170</u>	<u>12</u>	<u>1142</u>
P 6 <u>25</u>	<u>1282 *</u>	<u>15</u>	<u>1246</u>	<u>25</u>	<u>170</u>	<u>15</u>	<u>1152</u>
P 7 <u>30</u>	<u>1284 *</u>	<u>18</u>	<u>1250</u>	<u>30</u>	<u>177</u>	<u>18</u>	<u>1161</u>
P 8 <u>35</u>	<u>FLUSHED TOOL</u>	<u>21</u>	<u>1255</u>	<u>35</u>	<u>183</u>	<u>21</u>	<u>1170</u>
P 9 <u>40</u>	<u>210 *</u>	<u>24</u>	<u>1258</u>	<u>40</u>	<u>185</u>	<u>24</u>	<u>1176</u>
P10 <u>45</u>	<u>241 *</u>	<u>27</u>	<u>1259</u>	<u>45</u>	<u>195</u>	<u>27</u>	<u>1181</u>
P11 <u>50</u>	<u>519 *</u>	<u>30</u>	<u>1260</u>	<u>50</u>	<u>205</u>	<u>30</u>	<u>1185</u>
P12 <u>55</u>	<u>169 *</u>			<u>55</u>	<u>214</u>	<u>33</u>	<u>1189</u>
P13 <u>60</u>				<u>60</u>	<u>219</u>	<u>36</u>	<u>1193</u>
P14				<u>65</u>	<u>227</u>	<u>39</u>	<u>1197</u>
P15				<u>70</u>	<u>236</u>	<u>42</u>	<u>1200</u>
P16				<u>75</u>	<u>242</u>	<u>45</u>	<u>1203</u>
P17				<u>80</u>	<u>251</u>	<u>48</u>	<u>1206</u>
P18				<u>85</u>	<u>257</u>	<u>51</u>	<u>1209</u>
P19				<u>90</u>	<u>265</u>	<u>54</u>	<u>1211</u>
P20				<u>95</u>	<u>271</u>	<u>57</u>	<u>1213</u>
				<u>100</u>	<u>279</u>	<u>60</u>	<u>1215</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3/19/82 Recorder No. 2605 Capacity 4150 Test Ticket No. 13235
 Clock No. --- Elevation --- Location 3334 Ft. --- Well Temperature --- °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1638 P.S.I.	--	M
B First Initial Flow Pressure	183 * P.S.I.	60 Mins.	55 Mins.
C First Final Flow Pressure	169 * P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1260 P.S.I.	120 Mins.	115 Mins.
E Second Initial Flow Pressure	170 P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	295 P.S.I.		
G Final Closed-in Pressure	1215 P.S.I.		
H Final Hydrostatic Mud	1602 P.S.I.		

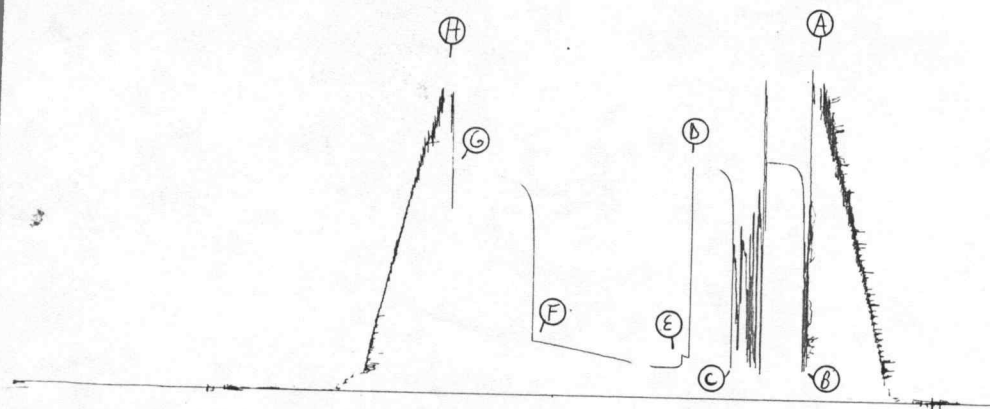
* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>23</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				105	285		
P 2				110	292		
P 3				115	295		
P 4							
P 5							
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 13235

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Company Wiley R. Ash, Sr. Lease & Well No. Mollett #2
 Elevation -- Formation Simpson Effective Pay - Ft. Ticket No. 10009
 Date 3/24/82 Sec. 9 Twp. 28S Range 2E County Sedgwick State Kansas
 Test Approved by Wiley R. Ash, Sr. Western Representative Robert Davis
 Formation Test No. 5 Interval Tested from 3246 ft. to 3260 ft. Total Depth 3340 ft.
 Packer Depth 3246 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3260 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3252 ft. Recorder Number 2608 Cap. 4175
 Bottom Recorder Depth (Outside) 3256 ft. Recorder Number 1559 Cap. 4200
 Below Straddle Recorder Depth 3340 ft. Recorder Number 13403 Cap. 4200
 Drilling Contractor Edco Drlg. Rig #5 Drill Collar Length 124 I. D. - in.
 Mud Type chemical Viscosity 36 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 36 cc. Drill Pipe Length 3105 I. D. - in.
 Chlorides 18,000 P.P.M. Test Tool Length 25 ft. Tool Size - in.
 Jars: Make WTC Serial Number N/A Anchor Length 14 ft. Size - in.
 Did Well Flow? No Reversed Out Yes 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 in.

Blow: Strong blow throughout test.

Recovered 240 ft. of gas in pipe
 Recovered 2350 ft. of slightly gas cut oil (44 gravity)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid tool five feet.

Time Set Packer(s) 3:25 ~~A.M.~~ P.M. Time Started Off Bottom 6:55 A.M. P.M. Maximum Temperature 115°
 Initial Hydrostatic Pressure 1561 P.S.I.
 Initial Flow Period 60 Minutes (B) 116 P.S.I. to (C) 541 P.S.I.
 Initial Closed In Period 30 Minutes (D) 1183 P.S.I.
 Final Flow Period 60 Minutes (E) 589 P.S.I. to (F) 876 P.S.I.
 Final Closed In Period 66 Minutes (G) 1192 P.S.I.
 Final Hydrostatic Pressure 1561 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/24/82 Recorder No. 2608 Capacity 4175 Test Ticket No. 10009
 Clock No. -- Elevation --- Location 3252 Ft. --
 Well Temperature 115 °F

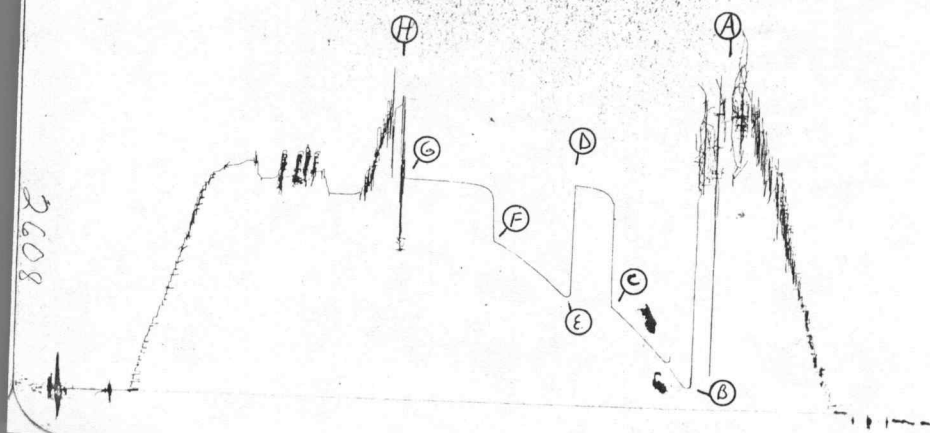
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1561	P.S.I.	3:25P	M
B First Initial Flow Pressure	116	P.S.I.	60	60
C First Final Flow Pressure	541	P.S.I.	30	30
D Initial Closed-in Pressure	1183	P.S.I.	60	60
E Second Initial Flow Pressure	589	P.S.I.	60	66
F Second Final Flow Pressure	876	P.S.I.		
G Final Closed-in Pressure	1192	P.S.I.		
H Final Hydrostatic Mud	1561	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>22</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>116</u>	<u>0</u>	<u>541</u>	<u>0</u>	<u>589</u>	<u>0</u>	<u>876</u>
P 2 <u>5</u>	<u>116</u>	<u>3</u>	<u>1128</u>	<u>5</u>	<u>592</u>	<u>3</u>	<u>1138</u>
P 3 <u>10</u>	<u>158</u>	<u>6</u>	<u>1148</u>	<u>10</u>	<u>624</u>	<u>6</u>	<u>1154</u>
P 4 <u>15</u>	<u>204</u>	<u>9</u>	<u>1158</u>	<u>15</u>	<u>658</u>	<u>9</u>	<u>1163</u>
P 5 <u>20</u>	<u>248</u>	<u>12</u>	<u>1167</u>	<u>20</u>	<u>691</u>	<u>12</u>	<u>1169</u>
P 6 <u>25</u>	<u>288</u>	<u>15</u>	<u>1172</u>	<u>25</u>	<u>720</u>	<u>15</u>	<u>1173</u>
P 7 <u>30</u>	<u>330</u>	<u>18</u>	<u>1175</u>	<u>30</u>	<u>747</u>	<u>18</u>	<u>1175</u>
P 8 <u>35</u>	<u>370</u>	<u>21</u>	<u>1179</u>	<u>35</u>	<u>776</u>	<u>21</u>	<u>1177</u>
P 9 <u>40</u>	<u>405</u>	<u>24</u>	<u>1182</u>	<u>40</u>	<u>802</u>	<u>24</u>	<u>1179</u>
P10 <u>45</u>	<u>441</u>	<u>27</u>	<u>1183</u>	<u>45</u>	<u>822</u>	<u>27</u>	<u>1181</u>
P11 <u>50</u>	<u>477</u>	<u>30</u>	<u>1183</u>	<u>50</u>	<u>844</u>	<u>30</u>	<u>1183</u>
P12 <u>55</u>	<u>512</u>			<u>55</u>	<u>863</u>	<u>33</u>	<u>1185</u>
P13 <u>60</u>	<u>541</u>			<u>60</u>	<u>876</u>	<u>36</u>	<u>1186</u>
P14						<u>39</u>	<u>1187</u>
P15						<u>42</u>	<u>1188</u>
P16						<u>45</u>	<u>1189</u>
P17						<u>48</u>	<u>1190</u>
P18						<u>51</u>	<u>1191</u>
P19						<u>54</u>	<u>1192</u>
P20						<u>57</u>	<u>1192</u>
						<u>60</u>	<u>1192</u>
						<u>63</u>	<u>1192</u>
						<u>66</u>	<u>1192</u>

TKT. # 10009

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TKT. # 10009

Below Straddle

13268

