

Company N-B Company, Inc. & Milford Walting Lease & Well No. Hier #1
 Elevation 1621 Derrick Floor Formation Lansing "C" Effective Pay - Ft. Ticket No. 6236
 Date 6/3/80 Sec. 26 Twp. 15S Range 9@ County Ellsworth State Kansas
 Test Approved by Tony Kruse Western Representative Darrell Claphan
 Formation Test No. 1 Interval Tested from 2683 ft. to 2715 ft. Total Depth 2715 ft.
 Packer Depth 2678 ft. Size 6 3/4 in. Packer Depth 2683 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) 2703 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 2706 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -
 Drilling Contractor Emphasis Oil Operations Rig #1 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 21.4 cc. Drill Pipe Length 2661 I. D. 3.8 in.
 Chlorides 64,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
 Jars: Make -- Serial Number - Anchor Length 32 ft. Size 5 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: First- strong blow throughout; off bottom of bucket in one half minute.
Second - strong blow throughout ; off bottom in forty seconds.

Recovered 100 ft. of very slightly oil specked gas cut mud
 Recovered 420 ft. of gas in pipe
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:04 A.M. Time Started Off Bottom 8:04 A.M. Maximum Temperature 100°
P.M. P.M.
 Initial Hydrostatic Pressure 1509 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 56 P.S.I. to (C) 42 P.S.I.
 Initial Closed In Period 30 Minutes (D) 272 P.S.I.
 Final Flow Period 30 Minutes (E) 63 P.S.I. to (F) 63 P.S.I.
 Final Closed In Period 27 Minutes (G) 316 P.S.I.
 Final Hydrostatic Pressure 1460 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-3-80 Test Ticket No. 6236

Recorder No. 10266 Capacity 4650 Location 2703 Ft.

Clock No. ---- Elevation 1621 Derrick Floor Well Temperature 100 °F

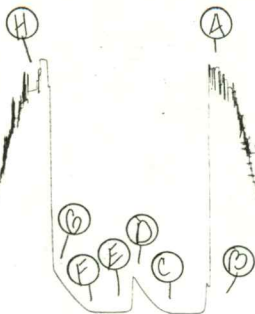
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1509</u> P.S.I.	Open Tool	<u>6:04</u> P M	
B First Initial Flow Pressure	<u>56</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>42</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>272</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>63</u> P.S.I.			
G Final Closed-in Pressure	<u>316</u> P.S.I.			
H Final Hydrostatic Mud	<u>1460</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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>56</u>	<u>0</u>	<u>42</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>63</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>51</u>	<u>5</u>	<u>61</u>	<u>3</u>	<u>75</u>
P 3 <u>10</u>	<u>42</u>	<u>6</u>	<u>61</u>	<u>10</u>	<u>58</u>	<u>6</u>	<u>96</u>
P 4 <u>15</u>	<u>42</u>	<u>9</u>	<u>75</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>117</u>
P 5 <u>20</u>	<u>42</u>	<u>12</u>	<u>96</u>	<u>20</u>	<u>58</u>	<u>12</u>	<u>143</u>
P 6 <u>25</u>	<u>42</u>	<u>15</u>	<u>122</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>173</u>
P 7 <u>30</u>	<u>42</u>	<u>18</u>	<u>150</u>	<u>30</u>	<u>63</u>	<u>18</u>	<u>201</u>
P 8		<u>21</u>	<u>183</u>			<u>21</u>	<u>239</u>
P 9		<u>24</u>	<u>215</u>			<u>24</u>	<u>276</u>
P10		<u>27</u>	<u>255</u>			<u>27</u>	<u>316</u>
P11		<u>30</u>	<u>272</u>				
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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Company N-B Company, Inc. & Milford Walting Lease & Well No. Hier #1
Elevation 1621 Derrick Floor Formation Lansing "G" Effective Pay ---- Ft. Ticket No. 6237
Date 6/4/80 Sec. 26 Twp. 15S Range 9W County Ellsworth State Kansas
Test Approved by Tony Kruse Western Representative Darrell Claphan
Formation Test No. 2 Interval Tested from 2766 ft. to 2798 ft. Total Depth 2798 ft.
Packer Depth 2761 ft. Size 6 3/4 in. Packer Depth 2766 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) 2786 ft. Recorder Number 10266 Cap. 4650
Bottom Recorder Depth (Outside) 2789 ft. Recorder Number 6233 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Emphasis Drilling Rig #1 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 41 Weight Pipe Length - I. D. - in.
Weight - Water Loss 15.2 cc. Drill Pipe Length 2744 I. D. 3.8 in.
Chlorides 60,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
Jars: Make -- Serial Number - Anchor Length 32 ft. Size 5 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: First- strong blow throughout ; off bottom in two minute fifteen inches.

Second - strong blow throughout off bottom in two minutes forty seconds.

Recovered 135 ft. of slightly oil and gas cut muddy water (3% oil;20% mud;5% gas;72% water

Recovered 285 ft. of gas in pipe

Recovered 240 ft. of salty water chlorides Top-18,000 ppm

Recovered ft. of Middle - 21,000 ppm

Recovered ft. of Bottom - 21,000 ppm

Remarks:

Time Set Packer(s) 2:00 A.M. Time Started Off Bottom 4:00 P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 1509 P.S.I.

Initial Flow Period Minutes 30 (B) 75 P.S.I. to (C) 120 P.S.I.

Initial Closed In Period Minutes 27 (D) 1088 P.S.I.

Final Flow Period Minutes 30 (E) 156 P.S.I. to (F) 204 P.S.I.

Final Closed In Period Minutes 27 (G) 1084 P.S.I.

Final Hydrostatic Pressure (H) 1479 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-4-80 Test Ticket No. 6237
 Recorder No. 10266 Capacity 4650 Location 2786 Ft.
 Clock No. --- Elevation 1621 Derrick Floor Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1509</u> P.S.I.	Open Tool	<u>2:00 P_M</u>	
B First Initial Flow Pressure	<u>75</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>120</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1088</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>156</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>204</u> P.S.I.			
G Final Closed-in Pressure	<u>1084</u> P.S.I.			
H Final Hydrostatic Mud	<u>1479</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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>75</u>	<u>0</u>	<u>120</u>	<u>0</u>	<u>156</u>	<u>0</u>	<u>204</u>
P 2 <u>5</u>	<u>70</u>	<u>3</u>	<u>918</u>	<u>5</u>	<u>153</u>	<u>3</u>	<u>923</u>
P 3 <u>10</u>	<u>80</u>	<u>6</u>	<u>1009</u>	<u>10</u>	<u>160</u>	<u>6</u>	<u>1007</u>
P 4 <u>15</u>	<u>90</u>	<u>9</u>	<u>1035</u>	<u>15</u>	<u>174</u>	<u>9</u>	<u>1035</u>
P 5 <u>20</u>	<u>101</u>	<u>12</u>	<u>1051</u>	<u>20</u>	<u>185</u>	<u>12</u>	<u>1049</u>
P 6 <u>25</u>	<u>111</u>	<u>15</u>	<u>1066</u>	<u>25</u>	<u>195</u>	<u>15</u>	<u>1060</u>
P 7 <u>30</u>	<u>120</u>	<u>18</u>	<u>1074</u>	<u>30</u>	<u>204</u>	<u>18</u>	<u>1068</u>
P 8 _____	_____	<u>21</u>	<u>1079</u>	_____	_____	<u>21</u>	<u>1074</u>
P 9 _____	_____	<u>24</u>	<u>1084</u>	_____	_____	<u>24</u>	<u>1079</u>
P10 _____	_____	<u>27</u>	<u>1088</u>	_____	_____	<u>27</u>	<u>1084</u>
P11 _____	_____	_____	_____	_____	_____	_____	_____
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

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