

Company B & B Drilling, Inc. Lease & Well No. Larson #1
 Elevation 1974 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 13339
 Date 2/6/82 Sec. 2 Twp. 19S Range 15W County Barton State Kansas
 Test Approved by Bill Lahar Western Representative Jim Schulz
 Formation Test No. 1 Interval Tested from 3266 ft. to 3308 ft. Total Depth 3308 ft.
 Packer Depth 3265 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3266 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3299 ft. Recorder Number 13401 Cap. 4000
 Bottom Recorder Depth (Outside) 3302 ft. Recorder Number 3659 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor B & B Drilling Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 10.0 cc. Drill Pipe Length 3245 I. D. 3.8 in.
 Chlorides 60,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 42 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: Initial flow period weak blow died in 20 minutes. Final flow period no blow.

Recovered 10 ft. of slightly gas cut drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read outside recorder.

Time Set Packer(s) 5:25 A.M. Time Started Off Bottom 7:25 A.M. Maximum Temperature 101
 Initial Hydrostatic Pressure (A) 1772 P.S.I.
 Initial Flow Period Minutes 30 (B) 79 P.S.I. to (C) 79 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1136 P.S.I.
 Final Flow Period Minutes 30 (E) 84 P.S.I. to (F) 84 P.S.I.
 Final Closed In Period Minutes 30 (G) 1069 P.S.I.
 Final Hydrostatic Pressure (H) 1768 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/6/82 Recorder No. 3659 Capacity 4000 Test Ticket No. 13339
 Clock No. - Elevation 1974 Kelly Bushing Location 3302 Ft.
 Well Temperature 101 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	1772 P.S.I.		5:25A	M
B First Initial Flow Pressure	79 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	79 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1136 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	84 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	84 P.S.I.			
G Final Closed-in Pressure	1069 P.S.I.			
H Final Hydrostatic Mud	1768 P.S.I.			

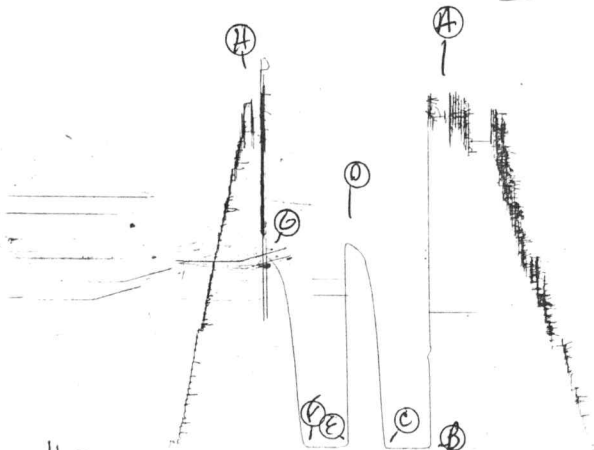
PRESSURE BREAKDOWN

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>10</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>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>79</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>84</u>	<u>0</u>	<u>84</u>
P 2 <u>5</u>	<u>79</u>	<u>3</u>	<u>257</u>	<u>5</u>	<u>84</u>	<u>3</u>	<u>116</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>578</u>	<u>10</u>	<u>84</u>	<u>6</u>	<u>300</u>
P 4 <u>15</u>	<u>79</u>	<u>9</u>	<u>809</u>	<u>15</u>	<u>84</u>	<u>9</u>	<u>556</u>
P 5 <u>20</u>	<u>79</u>	<u>12</u>	<u>940</u>	<u>20</u>	<u>84</u>	<u>12</u>	<u>725</u>
P 6 <u>25</u>	<u>79</u>	<u>15</u>	<u>1028</u>	<u>25</u>	<u>84</u>	<u>15</u>	<u>865</u>
P 7 <u>30</u>	<u>79</u>	<u>18</u>	<u>1079</u>	<u>30</u>	<u>84</u>	<u>18</u>	<u>950</u>
P 8		<u>21</u>	<u>1103</u>			<u>21</u>	<u>998</u>
P 9		<u>24</u>	<u>1119</u>			<u>24</u>	<u>1034</u>
P10		<u>27</u>	<u>1131</u>			<u>27</u>	<u>1056</u>
P11		<u>30</u>	<u>1136</u>			<u>30</u>	<u>1069</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JK # 13339

○

365.9



Company B & B Drilling, Inc. Lease & Well No. Larson #1
Elevation 1978 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 13340
Date 2/6/82 Sec. 2 Twp. 19S Range 15W County Barton State Kansas
Test Approved by Bill Lahar Western Representative Jim Schulz

Formation Test No. 2 Interval Tested from 3316 ft. to 3345 ft. Total Depth 3345 ft.

Packer Depth 3311 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3316 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3336 ft. Recorder Number 13401 Cap. 4000

Bottom Recorder Depth (Outside) 3339 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor B & B Drilling Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 16.0 cc. Drill Pipe Length 3295 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 29 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: Initial flow period few bubbles then died - flushed tool & then few bubbles then died.
Final flow period bubbled then died.

Recovered 25 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Flushed tool on initial opening.

Read outside recorder.

Time Set Packer(s) 9:47 ~~A.M.~~ P.M. Time Started Off Bottom 11:50 ~~A.M.~~ P.M. Maximum Temperature 101

Initial Hydrostatic Pressure (A) 1783 P.S.I.

Initial Flow Period Minutes 30 (B) 59 P.S.I. to (C) 56 P.S.I.

Initial Closed In Period Minutes 33 (D) 972 P.S.I.

Final Flow Period Minutes 30 (E) 61 P.S.I. to (F) 61 P.S.I.

Final Closed In Period Minutes 30 (G) 930 P.S.I.

Final Hydrostatic Pressure (H) 1763 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/6/82 Test Ticket No. 13340

Recorder No. 3659 Capacity 4000 Location 3339 Ft.

Clock No. - Elevation 1978 Kelly Bushing Well Temperature 101 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1783</u> P.S.I.	<u>9:47P</u>	<u>M</u>
B First Initial Flow Pressure	<u>59</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>56</u> P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>972</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>61</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>61</u> P.S.I.		
G Final Closed-in Pressure	<u>930</u> P.S.I.		
H Final Hydrostatic Mud	<u>1763</u> P.S.I.		

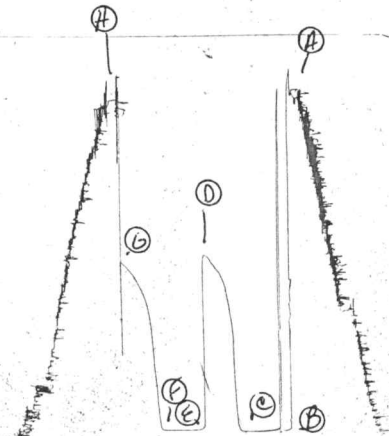
PRESSURE BREAKDOWN

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>11</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>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>59</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>61</u>
P 2 <u>5</u>	<u>59</u>	<u>3</u>	<u>56</u>	<u>5</u>	<u>61</u>	<u>3</u>	<u>161</u>
P 3 <u>10</u>	<u>67</u>	<u>6</u>	<u>56</u>	<u>10</u>	<u>61</u>	<u>6</u>	<u>373</u>
P 4 <u>15</u>	<u>60</u>	<u>9</u>	<u>108</u>	<u>15</u>	<u>61</u>	<u>9</u>	<u>504</u>
P 5 <u>20</u>	<u>57</u>	<u>12</u>	<u>566</u>	<u>20</u>	<u>61</u>	<u>12</u>	<u>715</u>
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>679</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>771</u>
P 7 <u>30</u>	<u>56</u>	<u>18</u>	<u>815</u>	<u>30</u>	<u>61</u>	<u>18</u>	<u>821</u>
P 8		<u>21</u>	<u>869</u>		<u>61</u>	<u>21</u>	<u>859</u>
P 9		<u>24</u>	<u>896</u>			<u>24</u>	<u>884</u>
P10		<u>27</u>	<u>922</u>			<u>27</u>	<u>912</u>
P11		<u>30</u>	<u>958</u>			<u>30</u>	<u>930</u>
P12		<u>33</u>	<u>972</u>				
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JK # 13340

0

36579



Company B. & B. Drilling, Inc. Lease & Well No. #2 Larson
 Elevation ---- Formation Arbuckle Effective Pay - Ft. Ticket No. 15669
 Date 8/13/82 Sec. 2 Twp. 19S Range 15W County Barton State Kansas
 Test Approved by Richard Lahar Western Representative Gregory Saffa
 Formation Test No. 3 Interval Tested from 3587 ft. to 3618 ft. Total Depth 3618 ft.
 Packer Depth 3582 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3587 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3595 ft. Recorder Number 3659 Cap. 4000
 Bottom Recorder Depth (Outside) 3596 ft. Recorder Number 13401 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor B. & B. Drilling Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 8.0 cc. Drill Pipe Length 3566 I. D. 3.8 in.
 Chlorides 77,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 31 ft. Size 5 1/2 in.
 Did Well Flow? No 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: Strong blow off bottom of bucket throughout test.

Recovered 30 ft. of light oil cut mud 37% mud; 9% water; 15% oil; 39% gas
 Recovered 60 ft. of heavy oil cut mud 25% mud; 7% water; 30% oil; 38% gas
 Recovered 60 ft. of very heavy oil cut mud 12% mud; 14% water; 35% oil; 39% gas
 Recovered 60 ft. of muddy oil 20% mud; 15% water; 35% oil; 30% gas
 Recovered 60 ft. of muddy oil
 Recovered 60 ft. of gas in pipe
 Remarks: 1600

Time Set Packer(s) 2:30 A.M. P.M. Time Started Off Bottom 4:15 A.M. P.M. Maximum Temperature 104°
 Initial Hydrostatic Pressure (A) 2097 P.S.I.
 Initial Flow Period Minutes 30 (B) 96 P.S.I. to (C) 109 P.S.I.
 Initial Closed In Period Minutes 30 (D) 285 P.S.I.
 Final Flow Period Minutes 30 (E) 133 P.S.I. to (F) 137 P.S.I.
 Final Closed In Period Minutes 45 (G) 336 P.S.I.
 Final Hydrostatic Pressure (H) 1886 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/13/82 Recorder No. 3659 Capacity 4000 Test Ticket No. 15669
 Clock No. -- Elevation -- Location 3595 Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2097 P.S.I.	Open Tool	2:30	M
B First Initial Flow Pressure	96 P.S.I.	First Flow Pressure	30	30 Mins.
C First Final Flow Pressure	109 P.S.I.	Initial Closed-in Pressure	30	30 Mins.
D Initial Closed-in Pressure	285 P.S.I.	Second Flow Pressure	30	30 Mins.
E Second Initial Flow Pressure	133 P.S.I.	Final Closed-in Pressure	45	45 Mins.
F Second Final Flow Pressure	137 P.S.I.			
G Final Closed-in Pressure	336 P.S.I.			
H Final Hydrostatic Mud	1886 P.S.I.			

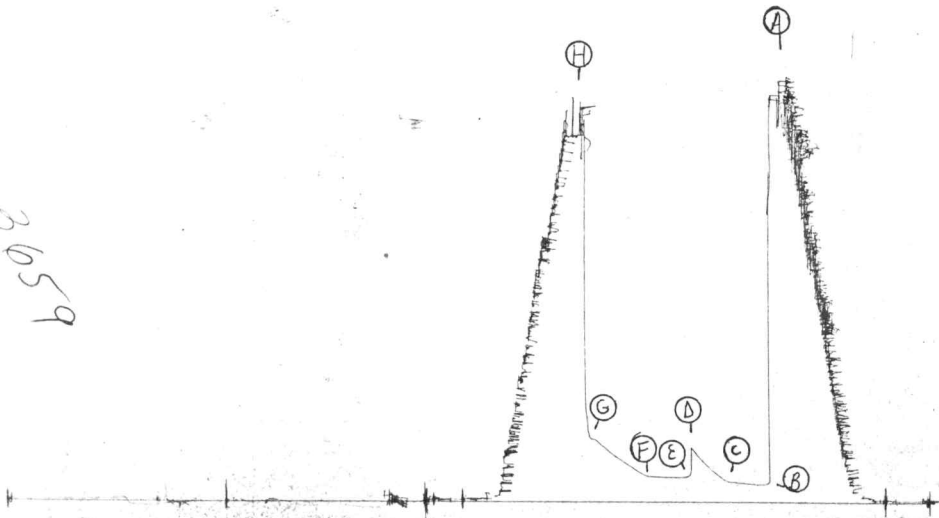
PRESSURE BREAKDOWN

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>10</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>15</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>96</u>	<u>0</u>	<u>109</u>	<u>0</u>	<u>133</u>	<u>0</u>	<u>137</u>
P 2 <u>5</u>	<u>96</u>	<u>3</u>	<u>120</u>	<u>5</u>	<u>133</u>	<u>3</u>	<u>142</u>
P 3 <u>10</u>	<u>97</u>	<u>6</u>	<u>136</u>	<u>10</u>	<u>133</u>	<u>6</u>	<u>152</u>
P 4 <u>15</u>	<u>100</u>	<u>9</u>	<u>154</u>	<u>15</u>	<u>133</u>	<u>9</u>	<u>165</u>
P 5 <u>20</u>	<u>104</u>	<u>12</u>	<u>170</u>	<u>20</u>	<u>134</u>	<u>12</u>	<u>179</u>
P 6 <u>25</u>	<u>108</u>	<u>15</u>	<u>190</u>	<u>25</u>	<u>135</u>	<u>15</u>	<u>193</u>
P 7 <u>30</u>	<u>109</u>	<u>18</u>	<u>210</u>	<u>30</u>	<u>137</u>	<u>18</u>	<u>208</u>
P 8 _____		<u>21</u>	<u>230</u>			<u>21</u>	<u>222</u>
P 9 _____		<u>24</u>	<u>250</u>			<u>24</u>	<u>235</u>
P10 _____		<u>27</u>	<u>270</u>			<u>27</u>	<u>249</u>
P11 _____		<u>30</u>	<u>285</u>			<u>30</u>	<u>264</u>
P12 _____						<u>33</u>	<u>284</u>
P13 _____						<u>36</u>	<u>299</u>
P14 _____						<u>39</u>	<u>320</u>
P15 _____						<u>42</u>	<u>328</u>
P16 _____						<u>45</u>	<u>336</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT # 15669

I

3659



Company B & B Drilling, Inc. Lease & Well No. Larson #1
 Elevation 1958 Derrick Floor Regan Effective Pay - Ft. Ticket No. 15540
 Date 2/9/82 Sec. 2 Twp. 19S Range 15W County Barton State Kansas
 Test Approved by Bill Lahar Western Representative Gregory Saffa
 Formation Test No. 4 Interval Tested from 3574 ft. to 3580 ft. Total Depth 3580 ft.
 Packer Depth 3569 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3574 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3570 ft. Recorder Number 13400 Cap. 3950
 Bottom Recorder Depth (Outside) 3580 ft. Recorder Number 3085 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor B & B Drilling Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 55 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 16.0 cc. Drill Pipe Length 3580 I. D. 3.8 in.
 Chlorides 90,000 P.P.M. Test Tool Length 34 ft. Tool Size 5 1/2 in.
 Jars: Make WIC Serial Number 384 Anchor Length 6 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: Initial flow period fiar blow throughout. Final flow period weak blow throughout

Recovered 56 ft. of very light oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: started off bottom late because 4 frozen air valves.

Time Set Packer(s) 6:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 9:45 ~~P.M.~~ ^{A.M.} Maximum Temperature -
 Initial Hydrostatic Pressure (A) 1905 P.S.I.
 Initial Flow Period Minutes 30 (B) 96 P.S.I. to (C) 45 P.S.I.
 Initial Closed In Period Minutes 30 (D) 56 P.S.I.
 Final Flow Period Minutes 90 (E) 44 P.S.I. to (F) 48 P.S.I.
 Final Closed In Period Minutes 78 (G) 72 P.S.I.
 Final Hydrostatic Pressure (H) 1905 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/9/82 Recorder No. 13400 Capacity 3950 Test Ticket No. 15540
 Clock No. - Elevation 1958 Derrick Floor Location 3570 Ft. - Well Temperature - °F

Point	Pressure		Time Given 6:00A	M	Time Computed
A Initial Hydrostatic Mud	1905	P.S.I.			
B First Initial Flow Pressure	96	P.S.I.	30	Mins.	30 Mins.
C First Final Flow Pressure	45	P.S.I.	30	Mins.	30 Mins.
D Initial Closed-in Pressure	56	P.S.I.	90	Mins.	90 Mins.
E Second Initial Flow Pressure	44	P.S.I.	60	Mins.	78 Mins.
F Second Final Flow Pressure	48	P.S.I.			
G Final Closed-in Pressure	72	P.S.I.			
H Final Hydrostatic Mud	1905	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>10</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>26</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>96</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>78</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>48</u>
P 3 <u>10</u>	<u>62</u>	<u>6</u>	<u>46</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>48</u>
P 4 <u>15</u>	<u>55</u>	<u>9</u>	<u>47</u>	<u>15</u>	<u>44</u>	<u>9</u>	<u>49</u>
P 5 <u>20</u>	<u>49</u>	<u>12</u>	<u>48</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>49</u>
P 6 <u>25</u>	<u>46</u>	<u>15</u>	<u>49</u>	<u>25</u>	<u>44</u>	<u>15</u>	<u>50</u>
P 7 <u>30</u>	<u>45</u>	<u>18</u>	<u>50</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>51</u>
P 8		<u>21</u>	<u>51</u>	<u>35</u>	<u>44</u>	<u>21</u>	<u>52</u>
P 9		<u>24</u>	<u>52</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>53</u>
P10		<u>27</u>	<u>54</u>	<u>45</u>	<u>44</u>	<u>27</u>	<u>54</u>
P11		<u>30</u>	<u>56</u>	<u>50</u>	<u>44</u>	<u>30</u>	<u>56</u>
P12				<u>55</u>	<u>45</u>	<u>33</u>	<u>57</u>
P13				<u>60</u>	<u>45</u>	<u>36</u>	<u>58</u>
P14				<u>65</u>	<u>46</u>	<u>39</u>	<u>59</u>
P15				<u>70</u>	<u>46</u>	<u>42</u>	<u>60</u>
P16				<u>75</u>	<u>47</u>	<u>45</u>	<u>61</u>
P17				<u>80</u>	<u>47</u>	<u>48</u>	<u>62</u>
P18				<u>85</u>	<u>48</u>	<u>51</u>	<u>63</u>
P19				<u>90</u>	<u>48</u>	<u>54</u>	<u>64</u>
P20						<u>57</u>	<u>65</u>
						<u>60</u>	<u>67</u>

WESTERN TESTING CO., INC.

Pressure Data

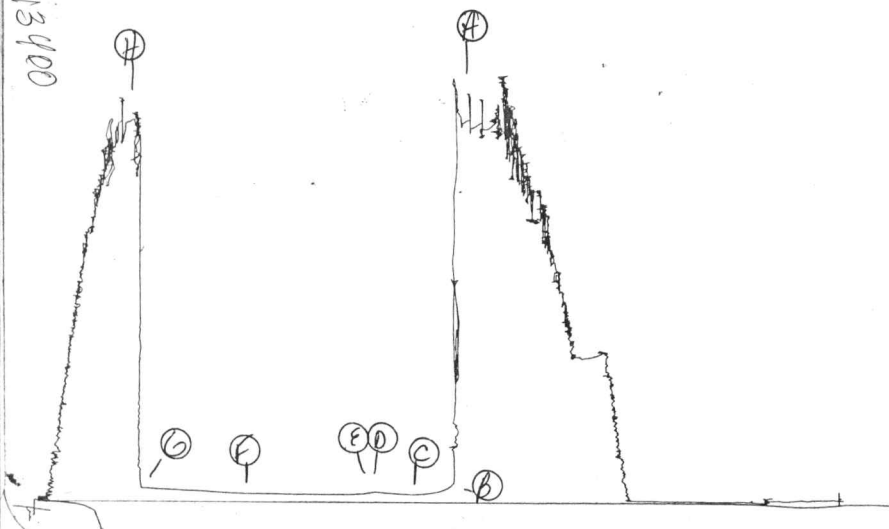
Date 2/9/82 Recorder No. 13400 Capacity 3950 Test Ticket No. 15540
 Clock No. - Elevation 1958 Derrick Floor Location 3570 Ft. - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1905</u>	P.S.I.	<u>6:00A</u>	<u>M</u>
B. First Initial Flow Pressure	<u>96</u>	P.S.I.	<u>30</u>	<u>30</u>
C. First Final Flow Pressure	<u>45</u>	P.S.I.	<u>30</u>	<u>30</u>
D. Initial Closed-in Pressure	<u>56</u>	P.S.I.	<u>90</u>	<u>90</u>
E. Second Initial Flow Pressure	<u>44</u>	P.S.I.	<u>60</u>	<u>78</u>
F. Second Final Flow Pressure	<u>48</u>	P.S.I.		
G. Final Closed-in Pressure	<u>72</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>1905</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>18</u> Inc.		Breakdown: <u>26</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>63</u>	<u>68</u>
P 2						<u>66</u>	<u>69</u>
P 3						<u>69</u>	<u>70</u>
P 4						<u>72</u>	<u>71</u>
P 5						<u>75</u>	<u>72</u>
P 6						<u>78</u>	<u>72</u>
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

13400



Company B & B Drilling, Inc. Lease & Well No. Larson #1
 Elevation 1958 Derrick Floor Regan Formation Effective Pay - Ft. Ticket No. 15541
 Date 2/10/82 Sec. 2 Twp. 19S Range 15W County Barton State Kansas
 Test Approved by Bill Lahar Western Representative Gregory Saffa
 Formation Test No. 5 Interval Tested from 3575 ft. to 3588 ft. Total Depth 3588 ft.
 Packer Depth 3570 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3575 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3579 ft. Recorder Number 13400 Cap. 3950
 Bottom Recorder Depth (Outside) 3582 ft. Recorder Number 3085 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor B & B Drilling Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 55 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 16.0 cc. Drill Pipe Length 3551 I. D. 3.8 in.
 Chlorides 90,000 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 13 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: Strong blow throughout test.

Recovered	57	ft. of	65% mud; 25% oil; 10% gas - light oil cut mud
Recovered	60	ft. of	44% mud; 4% water; 40% oil; 12% gas - heavy oil cut mud
Recovered	90	ft. of	15% mud; 15% water; 68% oil; 2% gas - very heavy oil cut mud
Recovered	30	ft. of	3% mud; 90% water; 7% oil - light oil cut water
Recovered		ft. of	

Remarks:

Started off bottom about 15 minutes late - because of frozen lines.

Time Set	Packer(s)	Time Started	Off Bottom	Maximum Temperature
	<u>11:05</u>	<u>A.M.</u>	<u>1:20</u>	<u>A.M.</u>
		<u>P.M.</u>		<u>P.M.</u>
Initial Hydrostatic Pressure		(A)	<u>2082</u>	<u>P.S.I.</u>
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>79</u>
Initial Closed In Period	Minutes	<u>33</u>	(D)	<u>650</u>
Final Flow Period	Minutes	<u>30</u>	(E)	<u>120</u>
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>869</u>
Final Hydrostatic Pressure		(H)	<u>2052</u>	<u>P.S.I.</u>

Initial Flow Period (B) 79 P.S.I. to (C) 93 P.S.I.
 Initial Closed In Period (D) 650 P.S.I.
 Final Flow Period (E) 120 P.S.I. to (F) 127 P.S.I.
 Final Closed In Period (G) 869 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/10/82 Recorder No. 3085 Capacity 4500 Test Ticket No. 15541
 Clock No. - Elevation 1958 Derrick Floor Location 3582 Ft. - °F -
 Well Temperature - °F -

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2082	P.S.I.	11:05P	M
B First Initial Flow Pressure	79	P.S.I.	30	Mins. 30
C First Final Flow Pressure	93	P.S.I.	30	Mins. 33
D Initial Closed-in Pressure	650	P.S.I.	30	Mins. 30
E Second Initial Flow Pressure	120	P.S.I.	45	Mins. 60
F Second Final Flow Pressure	127	P.S.I.		
G Final Closed-in Pressure	869	P.S.I.		
H Final Hydrostatic Mud	2052	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>11</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>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>79</u>	<u>0</u>	<u>93</u>	<u>0</u>	<u>120</u>	<u>0</u>	<u>127</u>
P 2 <u>5</u>	<u>79</u>	<u>3</u>	<u>98</u>	<u>5</u>	<u>120</u>	<u>3</u>	<u>158</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>122</u>	<u>10</u>	<u>120</u>	<u>6</u>	<u>219</u>
P 4 <u>15</u>	<u>83</u>	<u>9</u>	<u>166</u>	<u>15</u>	<u>120</u>	<u>9</u>	<u>285</u>
P 5 <u>20</u>	<u>86</u>	<u>12</u>	<u>222</u>	<u>20</u>	<u>123</u>	<u>12</u>	<u>335</u>
P 6 <u>25</u>	<u>90</u>	<u>15</u>	<u>275</u>	<u>25</u>	<u>126</u>	<u>15</u>	<u>404</u>
P 7 <u>30</u>	<u>93</u>	<u>18</u>	<u>347</u>	<u>30</u>	<u>127</u>	<u>18</u>	<u>457</u>
P 8		<u>21</u>	<u>416</u>			<u>21</u>	<u>500</u>
P 9		<u>24</u>	<u>490</u>			<u>24</u>	<u>551</u>
P10		<u>27</u>	<u>549</u>			<u>27</u>	<u>585</u>
P11		<u>30</u>	<u>590</u>			<u>30</u>	<u>619</u>
P12		<u>33</u>	<u>650</u>			<u>33</u>	<u>653</u>
P13						<u>36</u>	<u>683</u>
P14						<u>39</u>	<u>708</u>
P15						<u>42</u>	<u>741</u>
P16						<u>45</u>	<u>765</u>
P17						<u>48</u>	<u>790</u>
P18						<u>51</u>	<u>814</u>
P19						<u>54</u>	<u>840</u>
P20						<u>57</u>	<u>860</u>
						<u>60</u>	<u>869</u>

IR # 15541

0

3085

