

P. O. BOX 1599

PHONE (316) 838-0601

WICHITA, KANSAS 67201

Company Silver Creek Production Co., Inc. Lease & Well No. Berry #1  
 Elevation 1176 Kelly Bush Formation Admire Effective Pay - Ft. Ticket No. 1802  
 Date 11-18-78 Sec. 32 Twp. 33S Range 6E County Cowley State Kansas  
 Test Approved by Chris Dilts Western Representative William K. Hager  
 Formation Test No. 1 Interval Tested from 435 ft. to 516 ft. Total Depth 516 ft.  
 Packer Depth 430 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 435 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 495 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 498 ft. Recorder Number 1564 Cap. 3150  
 Below Straddle Recorder Depth - ft. Recorder Number = Cap. =  
 Drilling Contractor Dunbar Drlg. (#3) Drill Collar Length 150 I. D. 2 1/4 in.  
 Mud Type Chem Viscosity 36 Weight Pipe Length - I. D. - in.  
 Weight 9.0 Water Loss - cc. Drill Pipe Length 265 I. D. 3.8 in.  
 Chlorides 200 P.P.M. Test Tool Length 101' XX Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 81 ft. Size 5 1/2 OD 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 FH in.

Blow: Very weak blow, died in 25 minutes into initial flow period. Very, very weak blow, died in 5 minutes into final flow period.

Recovered 10 ft. of drilling mud

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Remarks: No true initial shut-in pressure, picked tool up to high and trapped shut-in pressure.

Time Set Packer(s) 4:30 A.M. P.M. Time Started Off Bottom 6:30 A.M. P.M. Maximum Temperature 80  
 Initial Hydrostatic Pressure        (A) 239 P.S.I.  
 Initial Flow Period        Minutes 30 (B) 46 P.S.I. to (C) 46 P.S.I.  
 Initial Closed In Period        Minutes 30 (D) 223 P.S.I.  
 Final Flow Period        Minutes 30 (E) 60 P.S.I. to (F) 55 P.S.I.  
 Final Closed In Period        Minutes 30 (G) 118 P.S.I.  
 Final Hydrostatic Pressure        (H) 220 P.S.I.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 11-18-78

Test Ticket No. 1802

Recorder No. 1561 Capacity 3200 Location 495 Ft.

Clock No. - Elevation 1176 Kelly Bushing Well Temperature 80 °F

| Point                          | Pressure          |                            | Time Given      | Time Computed   |
|--------------------------------|-------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>239</u> P.S.I. | Open Tool                  | <u>4:30A.</u> M |                 |
| B First Initial Flow Pressure  | <u>46</u> P.S.I.  | First Flow Pressure        | <u>30</u> Mins. | <u>20</u> Mins. |
| C First Final Flow Pressure    | <u>46</u> P.S.I.  | Initial Closed-in Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| D Initial Closed-in Pressure   | <u>223</u> P.S.I. | Second Flow Pressure       | <u>30</u> Mins. | <u>30</u> Mins. |
| E Second Initial Flow Pressure | <u>60</u> P.S.I.  | Final Closed-in Pressure   | <u>30</u> Mins. | <u>21</u> Mins. |
| F Second Final Flow Pressure   | <u>55</u> P.S.I.  |                            |                 |                 |
| G Final Closed-in Pressure     | <u>118</u> P.S.I. |                            |                 |                 |
| H Final Hydrostatic Mud        | <u>220</u> P.S.I. |                            |                 |                 |

## PRESSURE BREAKDOWN

| First Flow Pressure         |           | Initial Shut-In             |            | Second Flow Pressure        |           | Final Shut-In               |            |
|-----------------------------|-----------|-----------------------------|------------|-----------------------------|-----------|-----------------------------|------------|
| Breakdown: <u>4</u> Inc.    |           | Breakdown: <u>10</u> Inc.   |            | Breakdown: <u>6</u> Inc.    |           | Breakdown: <u>7</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>46</u> | <u>0</u>                    | <u>46</u>  | <u>0</u>                    | <u>60</u> | <u>0</u>                    | <u>55</u>  |
| P 2 <u>5</u>                | <u>46</u> | <u>3</u>                    | <u>221</u> | <u>5</u>                    | <u>56</u> | <u>3</u>                    | <u>63</u>  |
| P 3 <u>10</u>               | <u>46</u> | <u>6</u>                    | <u>223</u> | <u>10</u>                   | <u>55</u> | <u>6</u>                    | <u>71</u>  |
| P 4 <u>15</u>               | <u>46</u> | <u>9</u>                    | <u>223</u> | <u>15</u>                   | <u>55</u> | <u>9</u>                    | <u>80</u>  |
| P 5 <u>20</u>               | <u>46</u> | <u>12</u>                   | <u>223</u> | <u>20</u>                   | <u>55</u> | <u>12</u>                   | <u>89</u>  |
| P 6                         |           | <u>15</u>                   | <u>223</u> | <u>25</u>                   | <u>55</u> | <u>15</u>                   | <u>99</u>  |
| P 7                         |           | <u>18</u>                   | <u>223</u> | <u>30</u>                   | <u>55</u> | <u>18</u>                   | <u>108</u> |
| P 8                         |           | <u>21</u>                   | <u>223</u> |                             |           | <u>21</u>                   | <u>118</u> |
| P 9                         |           | <u>24</u>                   | <u>223</u> |                             |           |                             |            |
| P10                         |           | <u>27</u>                   | <u>223</u> |                             |           |                             |            |
| P11                         |           | <u>30</u>                   | <u>223</u> |                             |           |                             |            |
| P12                         |           |                             |            |                             |           |                             |            |
| P13                         |           |                             |            |                             |           |                             |            |
| P14                         |           |                             |            |                             |           |                             |            |
| P15                         |           |                             |            |                             |           |                             |            |
| P16                         |           |                             |            |                             |           |                             |            |
| P17                         |           |                             |            |                             |           |                             |            |
| P18                         |           |                             |            |                             |           |                             |            |
| P19                         |           |                             |            |                             |           |                             |            |
| P20                         |           |                             |            |                             |           |                             |            |

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TK-# 1802  
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PHONE (316) 838-0601

WICHITA, KANSAS 67201

Company Silver Creek Productions Lease & Well No. Berry #1

Elevation 1176 Kelly Bushing Formation Layton Effective Pay -- Ft. Ticket No. 1805

Date 11/20/78 Sec. 32 Twp. 33S Range 6E County Cowley State Kansas

Test Approved by Chris Deits Western Representative Will K. Hager/Ron Emmons

Formation Test No. 2 Interval Tested from 2176 ft. to 2200 ft. Total Depth 2200 ft.

Packer Depth 2171 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2176 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2186 ft. Recorder Number 1561 Cap. 3200

Bottom Recorder Depth (Outside) 2189 ft. Recorder Number 1564 Cap. 3150

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

Drilling Contractor Dunbar #3 Drill Collar Length 150 I. D. 2 1/4 in.

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

Weight 9.8 Water Loss 12 cc. Drill Pipe Length 2006 I. D. 3.8 in.

Chlorides 1,900 P.P.M. Test Tool Length 44' in. Tool Size 5 1/2 in.

Jars: Make -- Serial Number -- Anchor Length 24 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 FH in.

Blow: Weak blow on initial opening/very weak blow; died 20 minutes into second opening.

Recovered 120 ft. of drilling mud

Recovered 120 ft. of heavy mud with a very slight show of oil

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Remarks:       

Time Set Packer(s) 9:15 ~~A.M.~~ P.M. Time Started Off Bottom 11:45 ~~A.M.~~ P.M. Maximum Temperature 100

Initial Hydrostatic Pressure 1156 P.S.I.

Initial Flow Period 30 Minutes (B) 110 P.S.I. to (C) 111 P.S.I.

Initial Closed In Period 45 Minutes (D) 855 P.S.I.

Final Flow Period 30 Minutes (E) 831 P.S.I. to (F) 828 P.S.I.

Final Closed In Period 45 Minutes (G) 764 P.S.I.

Final Hydrostatic Pressure 1135 P.S.I. (H)

# WESTERN TESTING CO., INC.

## Pressure Data

Date 11/20/78

Test Ticket No. 1805

Recorder No. 1561

Capacity 3200

Location 2186 Ft.

Clock No. --

Elevation 1176 Kelly Bushing

Well Temperature 100 °F

| Point                          | Pressure           |                            | Time Given      | Time Computed   |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>1156</u> P.S.I. | Open Tool                  | <u>9:12P</u> M  |                 |
| B First Initial Flow Pressure  | <u>110</u> P.S.I.  | First Flow Pressure        | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure    | <u>111</u> P.S.I.  | Initial Closed-in Pressure | <u>45</u> Mins. | <u>45</u> Mins. |
| D Initial Closed-in Pressure   | <u>855</u> P.S.I.  | Second Flow Pressure       | <u>30</u> Mins. | <u>30</u> Mins. |
| E Second Initial Flow Pressure | <u>831</u> P.S.I.  | Final Closed-in Pressure   | <u>45</u> Mins. | <u>45</u> Mins. |
| F Second Final Flow Pressure   | <u>828</u> P.S.I.  |                            |                 |                 |
| G Final Closed-in Pressure     | <u>764</u> P.S.I.  |                            |                 |                 |
| H Final Hydrostatic Mud        | <u>1135</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>15</u> Inc.   |            | Breakdown: <u>6</u> Inc.    |            | Breakdown: <u>15</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>110</u> | <u>0</u>                    | <u>111</u> | <u>0</u>                    | <u>831</u> | <u>0</u>                    | <u>828</u> |
| P 2 <u>5</u>                | <u>110</u> | <u>3</u>                    | <u>336</u> | <u>5</u>                    | <u>827</u> | <u>3</u>                    | <u>236</u> |
| P 3 <u>10</u>               | <u>110</u> | <u>6</u>                    | <u>506</u> | <u>10</u>                   | <u>828</u> | <u>6</u>                    | <u>360</u> |
| P 4 <u>15</u>               | <u>110</u> | <u>9</u>                    | <u>626</u> | <u>15</u>                   | <u>828</u> | <u>9</u>                    | <u>457</u> |
| P 5 <u>20</u>               | <u>111</u> | <u>12</u>                   | <u>698</u> | <u>20</u>                   | <u>828</u> | <u>12</u>                   | <u>535</u> |
| P 6 <u>25</u>               | <u>111</u> | <u>15</u>                   | <u>739</u> | <u>25</u>                   | <u>828</u> | <u>15</u>                   | <u>591</u> |
| P 7 <u>30</u>               | <u>111</u> | <u>18</u>                   | <u>770</u> | <u>30</u>                   | <u>828</u> | <u>18</u>                   | <u>632</u> |
| P 8                         |            | <u>21</u>                   | <u>789</u> |                             |            | <u>21</u>                   | <u>657</u> |
| P 9                         |            | <u>24</u>                   | <u>805</u> |                             |            | <u>24</u>                   | <u>682</u> |
| P10                         |            | <u>27</u>                   | <u>817</u> |                             |            | <u>27</u>                   | <u>703</u> |
| P11                         |            | <u>30</u>                   | <u>827</u> |                             |            | <u>30</u>                   | <u>721</u> |
| P12                         |            | <u>33</u>                   | <u>834</u> |                             |            | <u>33</u>                   | <u>731</u> |
| P13                         |            | <u>36</u>                   | <u>841</u> |                             |            | <u>36</u>                   | <u>742</u> |
| P14                         |            | <u>39</u>                   | <u>847</u> |                             |            | <u>39</u>                   | <u>751</u> |
| P15                         |            | <u>42</u>                   | <u>852</u> |                             |            | <u>42</u>                   | <u>759</u> |
| P16                         |            | <u>45</u>                   | <u>855</u> |                             |            | <u>45</u>                   | <u>764</u> |
| P17                         |            |                             |            |                             |            |                             |            |
| P18                         |            |                             |            |                             |            |                             |            |
| P19                         |            |                             |            |                             |            |                             |            |
| P20                         |            |                             |            |                             |            |                             |            |

TKL # 1805  
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