



Home Office: Great Bend, Kansas  
P. O. Box 793 (316) 793-7903

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Company **B. B. L. Oil Company** Lease & Well No. **Miller #6**

Elevation **1228 Ground Level** Formation **Viola** Effective Pay \_\_\_\_\_ Ft. Ticket No. **15536**

Date **6-24-71** Sec. **27** Twp. **22** Range **13E** County **Greenwood** State **Kansas**

Test Approved by **Art Brighon** Western Representative **George Tew**

Formation Test No. **1** O.K. ☒ Misrun \_\_\_\_\_ Interval Tested From **2238'** to **2250'** Total Depth **2250'**

Size Main Hole **6 1/4"** Rat Hole **None** Conv. ☒ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes ☒ No Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No

Packer Depth **2238** Ft. Size **5 1/2"** Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_

Straddle \_\_\_\_\_ Yes \_\_\_\_\_ No ☒ Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No

Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_

Tool Size **4 1/2" O.D.** Tool Jr. Size **3 1/2" I.F.** Anchor Length **12** Ft. Size **4 1/2" O.D.**

RECORDERS Depth **2232** Ft. Clock No. **6896** Depth **2245** Ft. Clock No. **4834**

Top Make **Kuster** Cap. **4500** No. **3086** Inside ~~Outside~~ Bottom Make **Kuster** Cap. **4300** No. **1556** Inside ~~Outside~~

Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer **10:58** **A.** M

Tool Open I.F.P. From **11:00** M. to **11:30A.** M. Hr. **30** Min. From (B) **17** P.S.I. To (C) **17** P.S.I.

Tool Closed I.C.I.P. From **11:30** M. to **12:00** M. Hr. **30** Min. (D) **419** P.S.I.

Tool Open F.F.P. From **12:00** M. to **12:30P.** M. Hr. **30** Min. From (E) **30** P.S.I. To (F) **30** P.S.I.

Tool Closed F.C.I.P. From **12:30** M. to **1:00P.** M. Hr. **30** Min. (G) **335** P.S.I.

Initial Hydrostatic Pressure (A) **1062** P.S.I. Final Hydrostatic Pressure (H) **1051** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_

INFORMATION \_\_\_\_\_ M. \_\_\_\_\_

\_\_\_\_\_ M. \_\_\_\_\_

\_\_\_\_\_ M. \_\_\_\_\_

BLOW **Weak for 10 min.** Bottom Choke Size **3/4** In.

Did Well Flow \_\_\_\_\_ Yes ☒ No \_\_\_\_\_ Recovery Total Ft. **10 feet heavy oil cut mud**

Reversed Out \_\_\_\_\_ Yes ☒ No \_\_\_\_\_ Mud Type **Chem.** Viscosity **54** Weight **9** Water Loss **14** cc. Maximum Temp. **97** °F

Type Circ. Sub. **Plug** Did Tool Plug? **No** Jars: Size \_\_\_\_\_ Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

EXTRA EQUIPMENT: Dual Packers **No** Safety Joint **No** Did Packer Hold? **Yes** Where? \_\_\_\_\_

Length Drill Pipe **1957** ft. I.D. Drill Pipe **2 1/4** in. Length Weight Pipe \_\_\_\_\_ ft. I.D. Weight Pipe \_\_\_\_\_ in. Length Drill Collars **261** ft.

I. D. Drill Collars **2** in. Length D.S.T. Tool **32** ft.

Remarks **Read Recorder # 1566**

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# WESTERN TESTING CO., INC. Pressure Data

Date June 24, 1971

Test Ticket No. 15536

Recorder No. 3086 Capacity 4500 Location 2232 Ft.

Clock No. 6896 Elevation 1228 Ground Level Well Temperature 97 °F

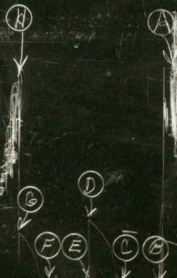
| Point                          | Pressure    |        | Time Given      | Time Computed |
|--------------------------------|-------------|--------|-----------------|---------------|
| A Initial Hydrostatic Mud      | <u>1062</u> | P.S.I. | <u>11:00 A.</u> |               |
| B First Initial Flow Pressure  | <u>17</u>   | P.S.I. | <u>30</u>       | <u>30</u>     |
| C First Final Flow Pressure    | <u>17</u>   | P.S.I. | <u>30</u>       | <u>30</u>     |
| D Initial Closed-in Pressure   | <u>419</u>  | P.S.I. | <u>30</u>       | <u>30</u>     |
| E Second Initial Flow Pressure | <u>30</u>   | P.S.I. | <u>30</u>       | <u>30</u>     |
| F Second Final Flow Pressure   | <u>30</u>   | P.S.I. |                 |               |
| G Final Closed-in Pressure     | <u>335</u>  | P.S.I. |                 |               |
| H Final Hydrostatic Mud        | <u>1051</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>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 _____ Min. |           | final inc. of _____ Min.  |            | final inc. of _____ Min. |           | final inc. of _____ Min.  |            |
| Point Mins.              | Press.    | Point Minutes             | Press.     | Point Minutes            | Press.    | Point Minutes             | Press.     |
| P 1 <u>0</u>             | <u>17</u> | <u>0</u>                  | <u>17</u>  | <u>0</u>                 | <u>30</u> | <u>0</u>                  | <u>30</u>  |
| P 2 <u>5</u>             | <u>17</u> | <u>3</u>                  | <u>24</u>  | <u>5</u>                 | <u>30</u> | <u>3</u>                  | <u>34</u>  |
| P 3 <u>10</u>            | <u>17</u> | <u>6</u>                  | <u>49</u>  | <u>10</u>                | <u>30</u> | <u>6</u>                  | <u>39</u>  |
| P 4 <u>15</u>            | <u>17</u> | <u>9</u>                  | <u>155</u> | <u>15</u>                | <u>30</u> | <u>9</u>                  | <u>45</u>  |
| P 5 <u>20</u>            | <u>17</u> | <u>12</u>                 | <u>229</u> | <u>20</u>                | <u>30</u> | <u>12</u>                 | <u>79</u>  |
| P 6 <u>25</u>            | <u>17</u> | <u>15</u>                 | <u>278</u> | <u>25</u>                | <u>30</u> | <u>15</u>                 | <u>140</u> |
| P 7 <u>30</u>            | <u>17</u> | <u>18</u>                 | <u>311</u> | <u>30</u>                | <u>30</u> | <u>18</u>                 | <u>198</u> |
| P 8 _____                |           | <u>21</u>                 | <u>341</u> |                          |           | <u>21</u>                 | <u>244</u> |
| P 9 _____                |           | <u>24</u>                 | <u>369</u> |                          |           | <u>24</u>                 | <u>278</u> |
| P10 _____                |           | <u>27</u>                 | <u>391</u> |                          |           | <u>27</u>                 | <u>313</u> |
| P11 _____                |           | <u>30</u>                 | <u>419</u> |                          |           | <u>30</u>                 | <u>335</u> |
| P12 _____                |           |                           |            |                          |           |                           |            |
| P13 _____                |           |                           |            |                          |           |                           |            |
| P14 _____                |           |                           |            |                          |           |                           |            |
| P15 _____                |           |                           |            |                          |           |                           |            |
| P16 _____                |           |                           |            |                          |           |                           |            |
| P17 _____                |           |                           |            |                          |           |                           |            |
| P18 _____                |           |                           |            |                          |           |                           |            |
| P19 _____                |           |                           |            |                          |           |                           |            |
| P20 _____                |           |                           |            |                          |           |                           |            |

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27-22-13C

Home Office: Great Bend, Kansas  
P. O. Box 793 (316) 793-7903

Company B. B. L. Oil Co. Lease & Well No. Miller #6

Elevation 1228 Ground Level Formation Viola Effective Pay \_\_\_\_\_ Ft. Ticket No. 15537

Date 6-25-71 Sec. 27 Twp. 22 Range 13E County Greenwood State Kansas

Test Approved by Art Brigham Western Representative George Tew

Formation Test No. 2 O.K. ☒ Misrun \_\_\_\_\_ Interval Tested From 2241' to 2253' Total Depth 2253'

Size Main Hole 6 1/4" Rat Hole None Conv. ☒ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes ☒ No Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No

Packer Depth 2241 Ft. Size 6 3/4" Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_

Straddle \_\_\_\_\_ Yes \_\_\_\_\_ No ☒ Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No

Tool Size 4 1/2" O.D. Tool Jt. Size 3 1/2" I.F. Anchor Length 12 Ft. Size 4 1/2" O.D.

| RECORDERS                   | Depth            | Ft.                   | Clock No.             | Depth                     | Ft.              | Clock No.             |
|-----------------------------|------------------|-----------------------|-----------------------|---------------------------|------------------|-----------------------|
|                             | <u>2236</u>      |                       | <u>6896</u>           | <u>2250</u>               |                  | <u>4834</u>           |
| Top Make <u>Kuster</u>      | Cap. <u>4500</u> | No. <u>3086</u>       | Inside <u>Outside</u> | Bottom Make <u>Kuster</u> | Cap. <u>4300</u> | No. <u>1566</u>       |
| Below Straddle: Depth _____ | Clock No. _____  | Inside <u>Outside</u> | Depth _____           | Ft. _____                 | Clock No. _____  | Inside <u>Outside</u> |
| Top Make _____              | Cap. _____       | No. _____             | Inside <u>Outside</u> | Bottom Make _____         | Cap. _____       | No. _____             |

Time Set Packer 10:13 A<sub>M</sub>

Tool Open I.F.P. From 10:15 M. to 10:55A M. Hr. 40 Min. From (B) 2 P.S.I. To (C) 13 P.S.I.

Tool Closed I.C.I.P. From 10:55 M. to 11:25A M. Hr. 30 Min. (D) 619 P.S.I.

Tool Open F.F.P. From 11:25 M. to 11:55A M. Hr. 30 Min. From (E) 34 P.S.I. To (F) 26 P.S.I.

Tool Closed F.C.I.P. From 11:55 M. to 12:25P M. Hr. 30 Min. (G) 603 P.S.I.

Initial Hydrostatic Pressure (A) 1074 P.S.I. Final Hydrostatic Pressure (H) 1056 P.S.I.

| SURFACE     | Size Choke | In. | Max. Press. P.S.I. | Time      | Description of Flow |
|-------------|------------|-----|--------------------|-----------|---------------------|
| INFORMATION | <u>3/4</u> |     |                    | <u>M.</u> |                     |
|             |            |     |                    | <u>M.</u> |                     |
|             |            |     |                    | <u>M.</u> |                     |

BLOW Weak intermittent blow Bottom Choke Size 3/4 In.

Did Well Flow \_\_\_\_\_ Yes ☒ No \_\_\_\_\_ Recovery Total Ft. 40 feet total - 20 feet oil cut mud - 20 feet clean oil

Reversed Out \_\_\_\_\_ Yes ☒ No \_\_\_\_\_ Mud Type Chem. Viscosity 54 Weight 9 Water Loss 14 cc. Maximum Temp. 103 °F

Type Circ. Sub. Plug Did Tool Plug? No Jars: Size \_\_\_\_\_ Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

EXTRA EQUIPMENT: Dual Packers No Safety Joint No Did Packer Hold? Yes Where? \_\_\_\_\_

Length Drill Pipe 1960 ft. I.D. Drill Pipe 2 1/4 in. Length Weight Pipe \_\_\_\_\_ ft. I.D. Weight Pipe \_\_\_\_\_ in. Length Drill Collars 261 ft.

I. D. Drill Collars 2 in. Length D.S.T. Tool 32 ft.

Remarks Read Recorder # 1566

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# WESTERN TESTING CO., INC.

## Pressure Data

27-22-132

Date June 25, 1971

Test Ticket No. 15537

Recorder No. 3086 Capacity 4500 Location 2236 Ft.

Clock No. 6896 Elevation 1228 Ground Level Well Temperature 103 °F

| Point                          | Pressure           |                            | Time Given         | Time Computed   |
|--------------------------------|--------------------|----------------------------|--------------------|-----------------|
| A Initial Hydrostatic Mud      | <u>1074</u> P.S.I. | Open Tool                  | <u>10:15</u> A. M. |                 |
| B First Initial Flow Pressure  | <u>2</u> P.S.I.    | First Flow Pressure        | <u>40</u> Mins.    | <u>40</u> Mins. |
| C First Final Flow Pressure    | <u>13</u> P.S.I.   | Initial Closed-in Pressure | <u>30</u> Mins.    | <u>30</u> Mins. |
| D Initial Closed-in Pressure   | <u>619</u> P.S.I.  | Second Flow Pressure       | <u>30</u> Mins.    | <u>30</u> Mins. |
| E Second Initial Flow Pressure | <u>34</u> P.S.I.   | Final Closed-in Pressure   | <u>30</u> Mins.    | <u>28</u> Mins. |
| F Second Final Flow Pressure   | <u>26</u> P.S.I.   |                            |                    |                 |
| G Final Closed-in Pressure     | <u>603</u> P.S.I.  |                            |                    |                 |
| H Final Hydrostatic Mud        | <u>1056</u> P.S.I. |                            |                    |                 |

## PRESSURE BREAKDOWN

| First Flow Pressure Breakdown: <u>8</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>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min. |            |
|--------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------|------------|
| Point Mins.                                                                                      | Press.    | Point Minutes                                                                                 | Press.     | Point Minutes                                                                                     | Press.              | Point Minutes                                                                              | Press.     |
| P 1 <u>0</u>                                                                                     | <u>2</u>  | <u>0</u>                                                                                      | <u>13</u>  | <u>0</u>                                                                                          | <u>34</u>           | <u>0</u>                                                                                   | <u>26</u>  |
| P 2 <u>5</u>                                                                                     | <u>4</u>  | <u>3</u>                                                                                      | <u>103</u> | <u>5</u>                                                                                          | <u>34</u>           | <u>3</u>                                                                                   | <u>54</u>  |
| P 3 <u>10</u>                                                                                    | <u>7</u>  | <u>6</u>                                                                                      | <u>367</u> | <u>10</u>                                                                                         | <u>Flushed Tool</u> | <u>6</u>                                                                                   | <u>315</u> |
| P 4 <u>15</u>                                                                                    | <u>10</u> | <u>9</u>                                                                                      | <u>476</u> | <u>15</u>                                                                                         | <u>26</u>           | <u>9</u>                                                                                   | <u>456</u> |
| P 5 <u>20</u>                                                                                    | <u>12</u> | <u>12</u>                                                                                     | <u>517</u> | <u>20</u>                                                                                         | <u>26</u>           | <u>12</u>                                                                                  | <u>502</u> |
| P 6 <u>25</u>                                                                                    | <u>13</u> | <u>15</u>                                                                                     | <u>545</u> | <u>25</u>                                                                                         | <u>26</u>           | <u>15</u>                                                                                  | <u>529</u> |
| P 7 <u>30</u>                                                                                    | <u>13</u> | <u>18</u>                                                                                     | <u>566</u> | <u>30</u>                                                                                         | <u>26</u>           | <u>18</u>                                                                                  | <u>553</u> |
| P 8 <u>35</u>                                                                                    | <u>13</u> | <u>21</u>                                                                                     | <u>583</u> |                                                                                                   |                     | <u>21</u>                                                                                  | <u>574</u> |
| P 9 <u>40</u>                                                                                    | <u>13</u> | <u>24</u>                                                                                     | <u>598</u> |                                                                                                   |                     | <u>24</u>                                                                                  | <u>587</u> |
| P10                                                                                              |           | <u>27</u>                                                                                     | <u>609</u> |                                                                                                   |                     | <u>27</u>                                                                                  | <u>598</u> |
| P11                                                                                              |           | <u>30</u>                                                                                     | <u>619</u> |                                                                                                   |                     | <u>28</u>                                                                                  | <u>603</u> |
| P12                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P13                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P14                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P15                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P16                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P17                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P18                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P19                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |
| P20                                                                                              |           |                                                                                               |            |                                                                                                   |                     |                                                                                            |            |

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