



## DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin KS 67525+0256

ATTN: Clint

### **Gibber #1**

#### **16-17s-11w Barton**

Start Date: 2014.02.25 @ 08:02:00

End Date: 2014.02.25 @ 14:04:00

Job Ticket #: 19138                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2014.02.25 @ 14:26:26



# DRILL STEM TEST REPORT

RJM Company  
 Po Box 256 Claflin KS 67525+0256  
 ATTN: Clint

**16-17s-11w Barton**  
**Gibber #1**  
 Job Ticket: 19138 **DST#: 1**  
 Test Start: 2014.02.25 @ 08:02:00

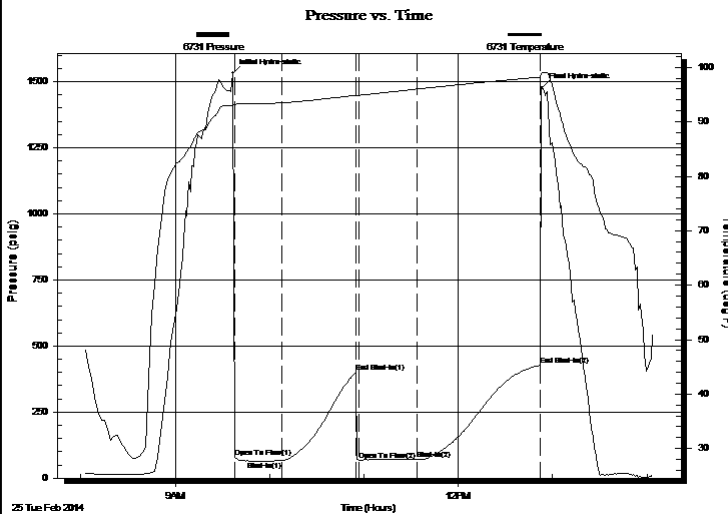
## GENERAL INFORMATION:

Formation: **C zone**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:37:30  
 Time Test Ended: 14:04:00  
**Interval: 2993.00 ft (KB) To 3060.00 ft (KB) (TVD)**  
 Total Depth: 3060.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320 Great Bend-  
 Reference Elevations: 1827.00 ft (KB)  
 1820.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 6731

Press@RunDepth: 71.65 psig @ ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.02.25 End Date: 2014.02.25 Last Calib.: 2014.02.25  
 Start Time: 08:02:00 End Time: 14:04:00 Time On Btm: 2014.02.25 @ 09:36:30  
 Time Off Btm: 2014.02.25 @ 12:53:00

**TEST COMMENT:** 1st Opening 30 Minutes-Fair blow built 10 inches into bucket w ater in 30 minutes  
 1st Shut-in 45 Minutes-No blow back  
 2nd Opening 45 Minutes-Fair blow built 10 inches into bucket in 10 minutes  
 2nd Shut-in 60 Minutes-No blow back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1531.40         | 93.01        | Initial Hydro-static |
| 1           | 77.78           | 93.09        | Open To Flow (1)     |
| 32          | 65.67           | 93.49        | Shut-In(1)           |
| 79          | 401.08          | 94.88        | End Shut-In(1)       |
| 80          | 68.33           | 94.85        | Open To Flow (2)     |
| 118         | 71.65           | 96.02        | Shut-In(2)           |
| 196         | 427.06          | 98.19        | End Shut-In(2)       |
| 197         | 1475.84         | 98.98        | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 30.00       | mud         | 0.42         |
| 0.00        | Gas in pipe | 0.00         |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



# DRILL STEM TEST REPORT

RJM Company  
 Po Box 256 Claflin KS 67525+0256  
 ATTN: Clint

**16-17s-11w Barton**  
**Gibber #1**  
 Job Ticket: 19138 **DST#: 1**  
 Test Start: 2014.02.25 @ 08:02:00

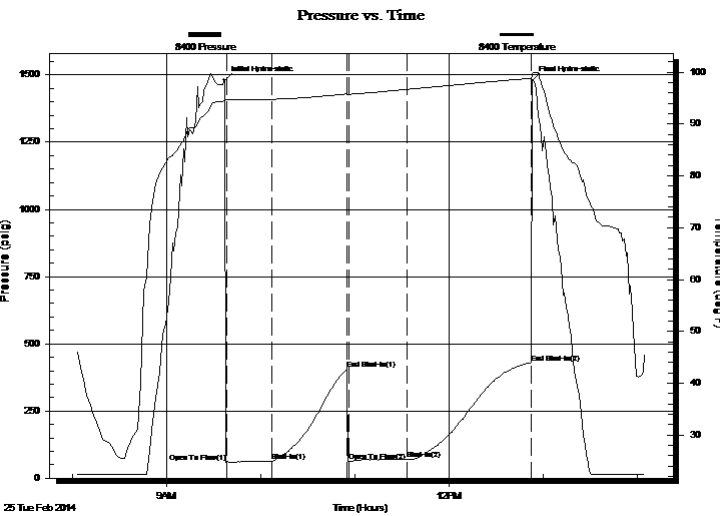
## GENERAL INFORMATION:

Formation: **C zone**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:37:30  
 Time Test Ended: 14:04:00  
 Interval: **2993.00 ft (KB) To 3060.00 ft (KB) (TVD)**  
 Total Depth: 3060.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320 Great Bend-  
 Reference Elevations: 1827.00 ft (KB)  
 1820.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8400

Press@RunDepth: 430.00 psig @ ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.02.25 End Date: 2014.02.25 Last Calib.: 2014.02.25  
 Start Time: 08:02:00 End Time: 14:04:30 Time On Btm: 2014.02.25 @ 09:36:30  
 Time Off Btm: 2014.02.25 @ 12:53:00

**TEST COMMENT:** 1st Opening 30 Minutes-Fair blow built 10 inches into bucket w ater in 30 minutes  
 1st Shut-in 45 Minutes-No blow back  
 2nd Opening 45 Minutes-Fair blow built 10 inches into bucket in 10 minutes  
 2nd Shut-in 60 Minutes-No blow back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1480.32         | 94.45        | Initial Hydro-static |
| 2           | 60.80           | 94.67        | Open To Flow (1)     |
| 30          | 63.70           | 94.77        | Shut-In(1)           |
| 79          | 407.48          | 95.83        | End Shut-In(1)       |
| 80          | 63.21           | 95.73        | Open To Flow (2)     |
| 117         | 70.72           | 96.67        | Shut-In(2)           |
| 196         | 430.00          | 98.81        | End Shut-In(2)       |
| 197         | 1478.42         | 99.68        | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 30.00       | mud         | 0.42         |
| 0.00        | Gas in pipe | 0.00         |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
|                |                 |                  |



# DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company  
 Po Box 256 Claflin KS 67525+0256  
 ATTN: Clint

**16-17s-11w Barton**  
**Gibber #1**  
 Job Ticket: 19138      **DST#: 1**  
 Test Start: 2014.02.25 @ 08:02:00

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3005.00 ft | Diameter: 3.80 inches | Volume: 42.15 bbl              | Tool Weight:           | 1000.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 20000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 55000.00 lb |
|                           |                    |                       | <u>Total Volume: 42.15 bbl</u> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 32.00 ft           |                       |                                | String Weight: Initial | 47000.00 lb |
| Depth to Top Packer:      | 2993.00 ft         |                       |                                | Final                  | 47000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 67.00 ft           |                       |                                |                        |             |
| Tool Length:              | 87.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                     |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Shut In Tool     | 5.00        |            |          | 2978.00    |                                    |
| Hydraulic tool   | 5.00        |            |          | 2983.00    |                                    |
| Packer           | 5.00        |            |          | 2988.00    | 20.00      Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 2993.00    |                                    |
| Anchor           | 3.00        |            |          | 2996.00    |                                    |
| Change Over Sub  | 0.50        |            |          | 2996.50    |                                    |
| Drill Pipe       | 32.00       |            |          | 3028.50    |                                    |
| Change Over Sub  | 0.50        |            |          | 3029.00    |                                    |
| Recorder         | 1.00        |            |          | 3030.00    |                                    |
| Recorder         | 1.00        |            |          | 3031.00    |                                    |
| Anchor           | 26.00       |            |          | 3057.00    |                                    |
| Bullnose         | 3.00        |            |          | 3060.00    | 67.00      Bottom Packers & Anchor |

**Total Tool Length: 87.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

RJM Company  
 Po Box 256 Claflin KS 67525+0256  
 ATTN: Clint

**16-17s-11w Barton**  
**Gibber #1**  
 Job Ticket: 19138      **DST#: 1**  
 Test Start: 2014.02.25 @ 08:02:00

### Mud and Cushion Information

|                                  |                            |                 |         |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem               | Cushion Type:              | Oil API:        | deg API |
| Mud Weight: 9.00 lb/gal          | Cushion Length: ft         | Water Salinity: | ppm     |
| Viscosity: 69.00 sec/qt          | Cushion Volume: bbl        |                 |         |
| Water Loss: 7.20 in <sup>3</sup> | Gas Cushion Type:          |                 |         |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |         |
| Salinity: 1000.00 ppm            |                            |                 |         |
| Filter Cake: 1.00 inches         |                            |                 |         |

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 30.00        | mud         | 0.421         |
| 0.00         | Gas in pipe | 0.000         |

Total Length: 30.00 ft      Total Volume: 0.421 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

