



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita,KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

### **25-20s-16w Pawnee,KS**

Start Date: 2014.10.30 @ 14:03:00

End Date: 2014.10.30 @ 20:41:30

Job Ticket #: 60391                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:48:53

F.G.Holl Company L.L.C.

25-20s-16w Pawnee,KS

Scott Clark Jr #2-25

DST # 1

Herrington Krider

2014.10.30



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60391

**DST#: 1**

ATTN: Renee Husted

Test Start: 2014.10.30 @ 14:03:00

## GENERAL INFORMATION:

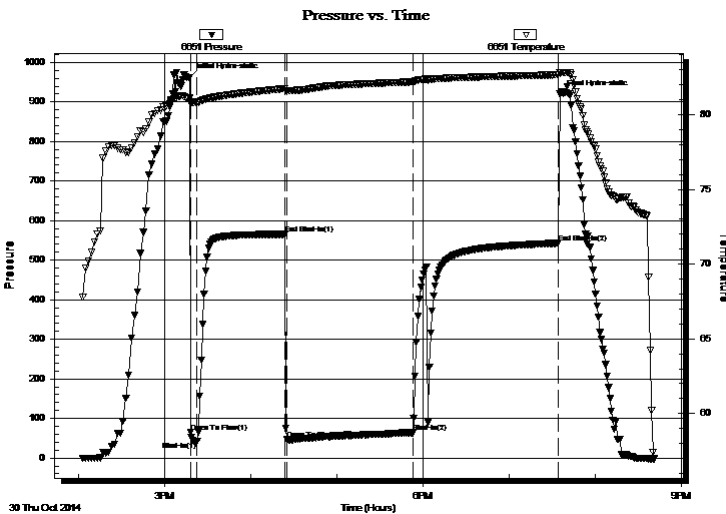
Formation: **Herrington Krider**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:18:00  
 Time Test Ended: 20:41:30  
 Interval: **1945.00 ft (KB) To 2015.00 ft (KB) (TVD)**  
 Total Depth: 2015.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gene Budig  
 Unit No: S4  
 Reference Elevations: 2035.00 ft (KB)  
 2027.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6651

**Outside**

Press@RunDepth: 63.99 psig @ 2011.96 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.10.30 End Date: 2014.10.30 Last Calib.: 2014.10.30  
 Start Time: 14:03:00 End Time: 20:41:30 Time On Btm: 2014.10.30 @ 15:17:30  
 Time Off Btm: 2014.10.30 @ 19:35:30

TEST COMMENT: IFP 5 Good blow BOB in 1 minute  
 ISI 60 No blow back  
 FFP 90 Strong blow BOB in 1 second GTS in 3 minutes  
 FSI 100 After 8 minutes reversed tool to opening to catch gas sample then shut tool back in



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 961.05          | 81.10        | Initial Hydro-static |
| 1           | 64.73           | 80.72        | Open To Flow (1)     |
| 5           | 42.47           | 80.83        | Shut-In(1)           |
| 66          | 565.62          | 81.74        | End Shut-In(1)       |
| 68          | 47.19           | 81.60        | Open To Flow (2)     |
| 156         | 63.99           | 82.20        | Shut-In(2)           |
| 257         | 543.03          | 82.67        | End Shut-In(2)       |
| 258         | 919.82          | 82.79        | Final Hydro-static   |

## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 90.00       | Drilling mud | 1.26         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

## Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13           | 20.00           | 13.65            |
| Last Gas Rate  | 0.13           | 52.50           | 26.54            |
| Max. Gas Rate  | 0.13           | 52.50           | 26.54            |



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60391

**DST#: 1**

ATTN: Renee Husted

Test Start: 2014.10.30 @ 14:03:00

## GENERAL INFORMATION:

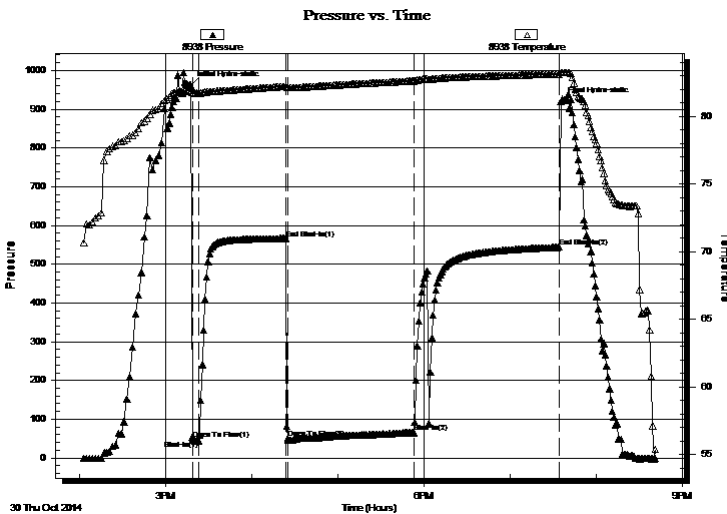
Formation: **Herrington Krider**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 15:18:00  
 Tester: Gene Budig  
 Time Test Ended: 20:41:30  
 Unit No: S4  
 Interval: **1945.00 ft (KB) To 2015.00 ft (KB) (TVD)**  
 Reference Elevations: 2035.00 ft (KB)  
 Total Depth: 2015.00 ft (KB) (TVD) 2027.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

## Serial #: 8938

Inside

Press@RunDepth: 543.91 psig @ 2010.96 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.10.30 End Date: 2014.10.30 Last Calib.: 2014.10.30  
 Start Time: 14:03:00 End Time: 20:41:30 Time On Btm: 2014.10.30 @ 15:17:30  
 Time Off Btm: 2014.10.30 @ 19:35:30

TEST COMMENT: IFP 5 Good blow BOB in 1 minute  
 ISI 60 No blow back  
 FFP 90 Strong blow BOB in 1 second GTS in 3 minutes  
 FSI 100 After 8 minutes reversed tool to opening to catch gas sample then shut tool back in



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 961.91          | 81.95        | Initial Hydro-static |
| 2           | 47.74           | 81.75        | Open To Flow (1)     |
| 6           | 44.94           | 81.71        | Shut-In(1)           |
| 66          | 566.34          | 82.22        | End Shut-In(1)       |
| 68          | 51.51           | 82.12        | Open To Flow (2)     |
| 156         | 65.16           | 82.62        | Shut-In(2)           |
| 257         | 543.91          | 83.12        | End Shut-In(2)       |
| 258         | 920.69          | 83.25        | Final Hydro-static   |

## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 90.00       | Drilling mud | 1.26         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

## Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13           | 20.00           | 13.65            |
| Last Gas Rate  | 0.13           | 52.50           | 26.54            |
| Max. Gas Rate  | 0.13           | 52.50           | 26.54            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60391

**DST#: 1**

ATTN: Renee Hustead

Test Start: 2014.10.30 @ 14:03:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 1930.00 ft | Diameter: 3.80 inches | Volume: 27.07 bbl              | Tool Weight: 2000.00 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: 52000.00 lb  |
|                           |                    |                       | <u>Total Volume: 27.07 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 13.00 ft           |                       |                                | String Weight: Initial 35000.00 lb |
| Depth to Top Packer:      | 1945.00 ft         |                       |                                | Final 35000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 69.96 ft           |                       |                                |                                    |
| Tool Length:              | 97.96 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|------------------|-------------|------------|----------|------------|----------------------------|
| Shut-In Tool     | 5.00        |            |          | 1922.00    |                            |
| Hydraulic Tool   | 5.00        |            |          | 1927.00    |                            |
| Jars             | 6.00        |            |          | 1933.00    |                            |
| Safety Joint     | 2.00        |            |          | 1935.00    |                            |
| Top Packer       | 5.00        |            |          | 1940.00    |                            |
| Packer           | 5.00        |            |          | 1945.00    | 28.00 Bottom Of Top Packer |
| Anchor           | 5.00        |            |          | 1950.00    |                            |
| Change Over Sub  | 0.75        |            |          | 1950.75    |                            |
| Drill Pipe       | 31.46       |            |          | 1982.21    |                            |
| Change Over Sub  | 0.75        |            |          | 1982.96    |                            |
| Anchor           | 27.00       |            |          | 2009.96    |                            |
| Recorder         | 1.00        | 8938       | Inside   | 2010.96    |                            |
| Recorder         | 1.00        | 6651       | Outside  | 2011.96    |                            |
| Bull Plug        | 3.00        |            |          | 2014.96    | 69.96 Anchor Tool          |

**Total Tool Length: 97.96**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60391

**DST#: 1**

ATTN: Renee Husted

Test Start: 2014.10.30 @ 14:03:00

## Mud and Cushion Information

|              |                       |                       |      |                 |         |
|--------------|-----------------------|-----------------------|------|-----------------|---------|
| Mud Type:    |                       | Cushion Type:         |      | Oil API:        | deg API |
| Mud Weight:  | 9.00 lb/gal           | Cushion Length:       | ft   | Water Salinity: | ppm     |
| Viscosity:   | 44.00 sec/qt          | Cushion Volume:       | bbbl |                 |         |
| Water Loss:  | 14.34 in <sup>3</sup> | Gas Cushion Type:     |      |                 |         |
| Resistivity: | ohm.m                 | Gas Cushion Pressure: | psig |                 |         |
| Salinity:    | 24500.00 ppm          |                       |      |                 |         |
| Filter Cake: | 1.00 inches           |                       |      |                 |         |

## Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbbl |
|--------------|--------------|----------------|
| 90.00        | Drilling mud | 1.262          |

Total Length: 90.00 ft      Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60391

**DST#: 1**

ATTN: Renee Husted

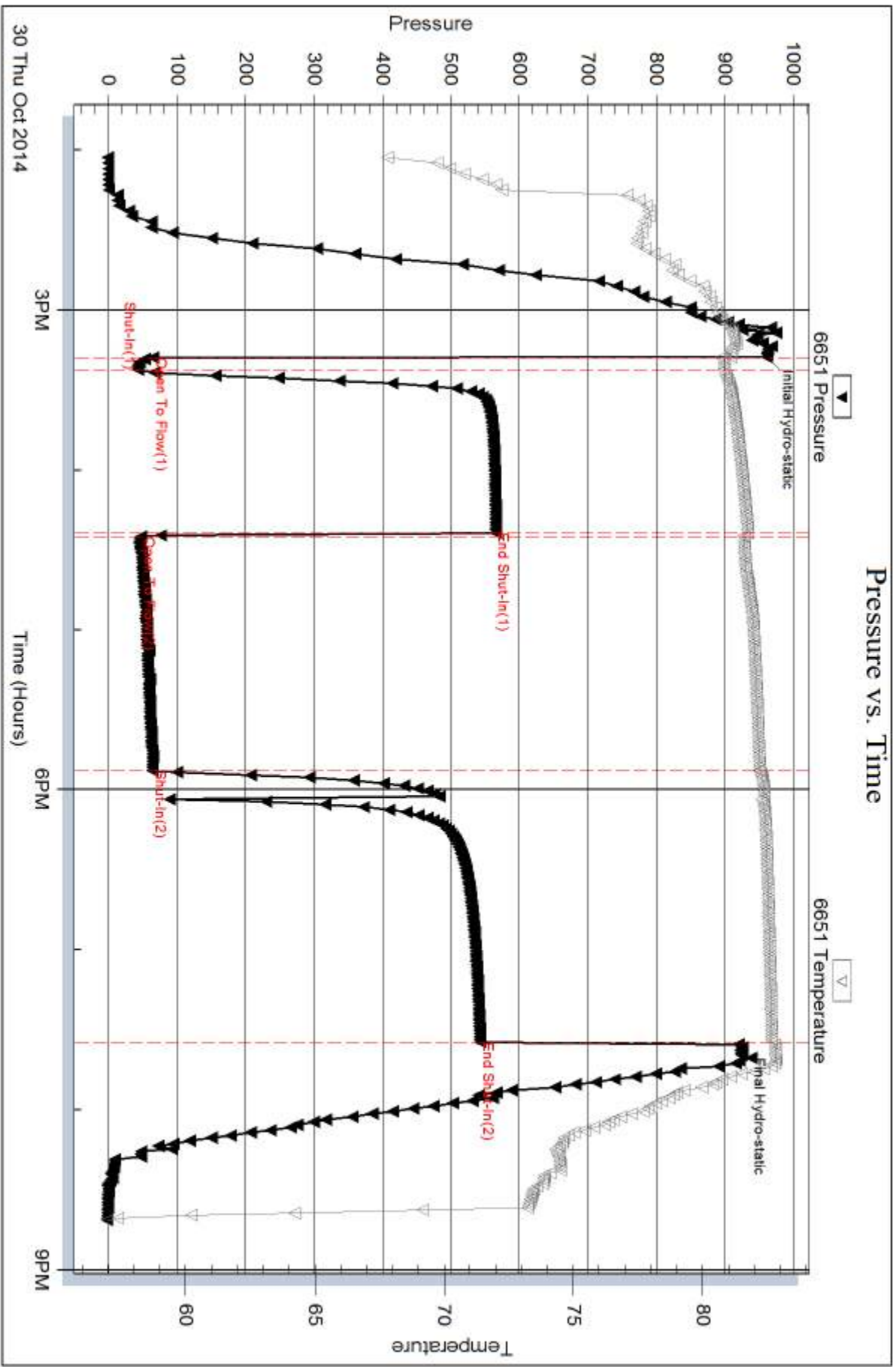
Test Start: 2014.10.30 @ 14:03:00

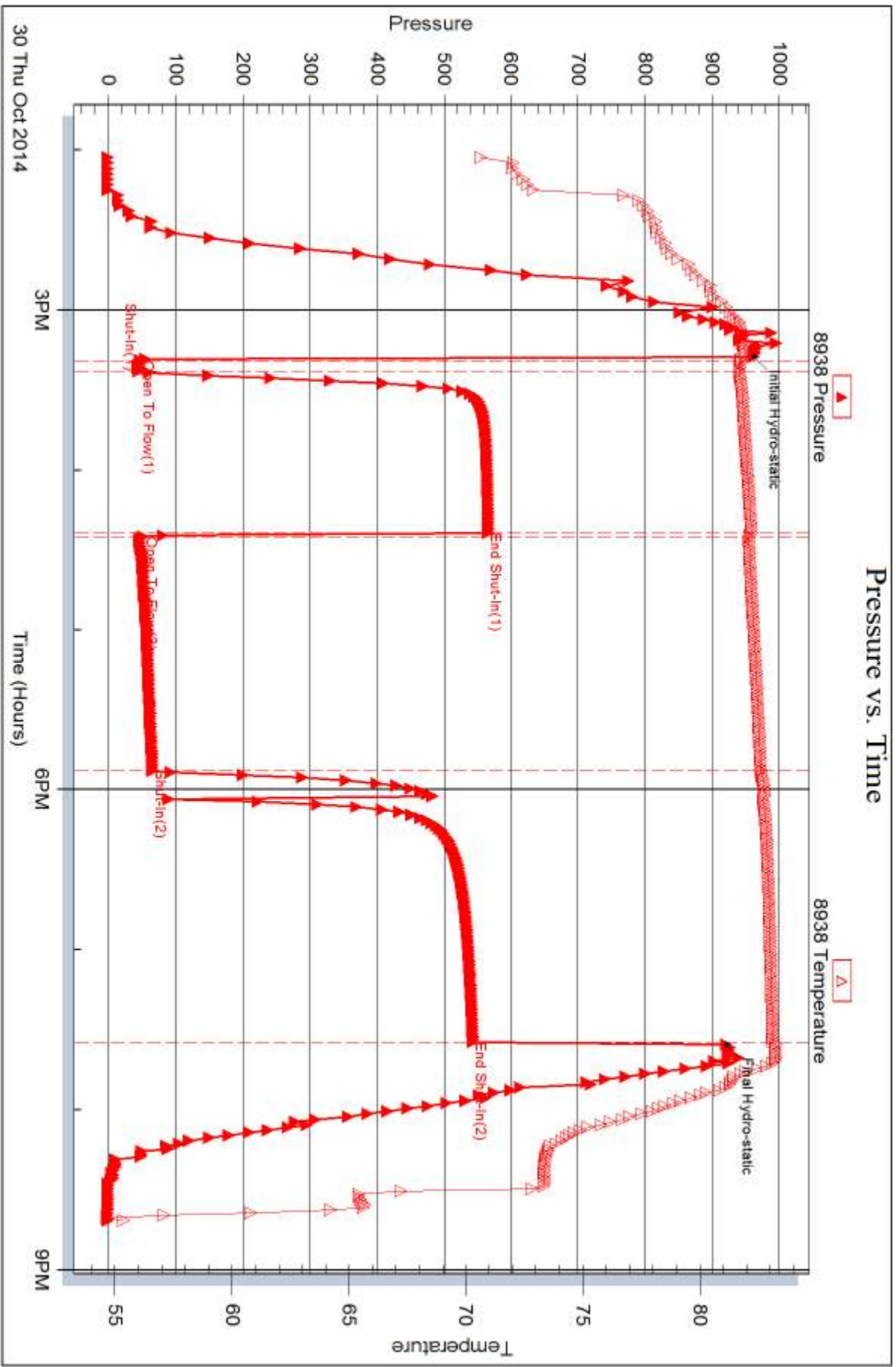
### Gas Rates Information

Temperature: 2 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|-------------|--------------|----------------|-----------------|------------------|
| 2           | 5            | 0.13           | 20.00           | 13.65            |
| 2           | 10           | 0.13           | 27.00           | 16.43            |
| 2           | 20           | 0.13           | 49.00           | 25.15            |
| 2           | 30           | 0.13           | 52.50           | 26.54            |
| 2           | 40           | 0.13           | 52.50           | 26.54            |
| 2           | 50           | 0.13           | 52.50           | 26.54            |
| 2           | 60           | 0.13           | 52.50           | 26.54            |
| 2           | 70           | 0.13           | 52.50           | 26.54            |
| 2           | 80           | 0.13           | 52.50           | 26.54            |
| 2           | 90           | 0.13           | 52.50           | 26.54            |









## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita,KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

### **25-20s-16w Pawnee,KS**

Start Date: 2014.10.31 @ 12:46:00

End Date: 2014.10.31 @ 16:39:30

Job Ticket #: 60392                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 10:00:17



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60392

**DST#: 2**

ATTN: Renee Husted

Test Start: 2014.10.31 @ 12:46:00

## GENERAL INFORMATION:

Formation: **Crouse**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:46:00

Time Test Ended: 16:39:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4

**Interval: 2292.00 ft (KB) To 2240.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 2340.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6651 Outside**

Press@RunDepth: 95.50 psig @ 2336.61 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.31

End Date:

2014.10.31

Last Calib.: 2014.10.31

Start Time: 12:46:00

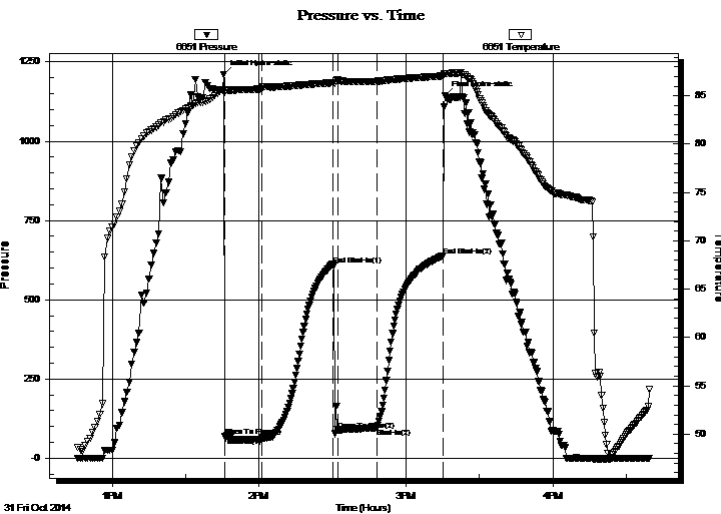
End Time:

16:39:30

Time On Btm: 2014.10.31 @ 13:45:30

Time Off Btm: 2014.10.31 @ 15:16:00

TEST COMMENT: IFP 15 Weak surface blow  
ISI 30 No blow back  
FFP 15 Weak surface blow  
FSI 30 No blow back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1210.34         | 85.58        | Initial Hydro-static |
| 1           | 67.98           | 85.31        | Open To Flow (1)     |
| 16          | 64.59           | 85.70        | Shut-In(1)           |
| 45          | 611.31          | 86.34        | End Shut-In(1)       |
| 47          | 89.46           | 86.65        | Open To Flow (2)     |
| 63          | 95.50           | 86.50        | Shut-In(2)           |
| 90          | 638.57          | 87.03        | End Shut-In(2)       |
| 91          | 1142.90         | 87.26        | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 125.00      | 125 Slightly gas cut mud | 1.75         |
|             |                          |              |
|             |                          |              |
|             |                          |              |
|             |                          |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60392

**DST#: 2**

ATTN: Renee Husted

Test Start: 2014.10.31 @ 12:46:00

## GENERAL INFORMATION:

Formation: **Crouse**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:46:00

Time Test Ended: 16:39:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4

**Interval: 2292.00 ft (KB) To 2240.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 2340.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8938**

**Inside**

Press@RunDepth: 636.68 psig @ 2335.61 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.31

End Date:

2014.10.31

Last Calib.: 2014.10.31

Start Time: 12:46:00

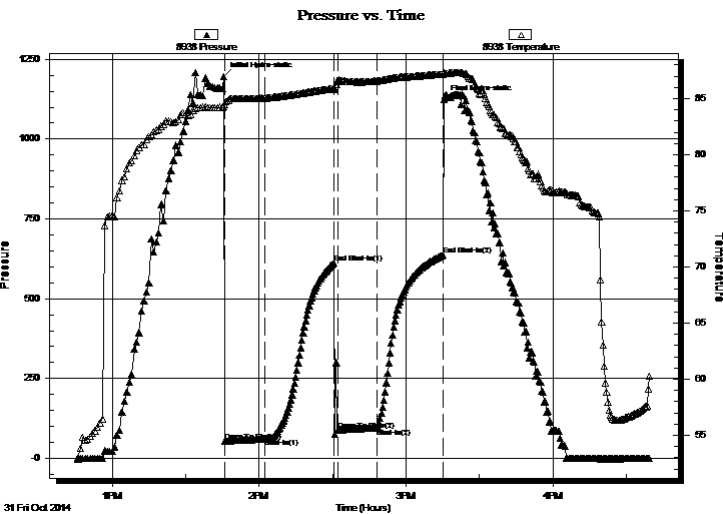
End Time:

16:39:30

Time On Btm: 2014.10.31 @ 13:45:30

Time Off Btm: 2014.10.31 @ 15:15:30

TEST COMMENT: IFP 15 Weak surface blow  
ISI 30 No blow back  
FFP 15 Weak surface blow  
FSI 30 No blow back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1195.45         | 84.27        | Initial Hydro-static |
| 1           | 54.11           | 84.45        | Open To Flow (1)     |
| 17          | 62.59           | 85.04        | Shut-In(1)           |
| 45          | 611.95          | 85.90        | End Shut-In(1)       |
| 47          | 88.68           | 86.58        | Open To Flow (2)     |
| 63          | 95.25           | 86.58        | Shut-In(2)           |
| 90          | 636.68          | 87.18        | End Shut-In(2)       |
| 90          | 1125.01         | 87.30        | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 125.00      | 125 Slightly gas cut mud | 1.75         |
|             |                          |              |
|             |                          |              |
|             |                          |              |
|             |                          |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60392

**DST#: 2**

ATTN: Renee Hustead

Test Start: 2014.10.31 @ 12:46:00

## Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 2276.00 ft | Diameter: 3.80 inches | Volume: 31.93 bbl       | Tool Weight: 2000.00 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: 3.80 inches | Volume: 0.00 bbl        | Weight to Pull Loose: 62000.00 lb  |
|                           |                    |                       | Total Volume: 31.93 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 12.00 ft           |                       |                         | String Weight: Initial 40000.00 lb |
| Depth to Top Packer:      | 2292.00 ft         |                       |                         | Final 40000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 47.61 ft           |                       |                         |                                    |
| Tool Length:              | 75.61 ft           |                       |                         |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|------------------|-------------|------------|----------|------------|----------------------------|
| Shut-In Tool     | 5.00        |            |          | 2269.00    |                            |
| Hydraulic Tool   | 5.00        |            |          | 2274.00    |                            |
| Jars             | 6.00        |            |          | 2280.00    |                            |
| Safety Joint     | 2.00        |            |          | 2282.00    |                            |
| Top Packer       | 5.00        |            |          | 2287.00    |                            |
| Packer           | 5.00        |            |          | 2292.00    | 28.00 Bottom Of Top Packer |
| Anchor           | 5.00        |            |          | 2297.00    |                            |
| Change Over Sub  | 0.75        |            |          | 2297.75    |                            |
| Drill Pipe       | 31.11       |            |          | 2328.86    |                            |
| Change Over Sub  | 0.75        |            |          | 2329.61    |                            |
| Anchor           | 5.00        |            |          | 2334.61    |                            |
| Recorder         | 1.00        | 8938       | Inside   | 2335.61    |                            |
| Recorder         | 1.00        | 6651       | Outside  | 2336.61    |                            |
| Bull Plug        | 3.00        |            |          | 2339.61    | 47.61 Anchor Tool          |

**Total Tool Length: 75.61**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 60392

**DST#: 2**

ATTN: Renee Husted

Test Start: 2014.10.31 @ 12:46:00

## Mud and Cushion Information

|              |                       |                       |      |                 |         |
|--------------|-----------------------|-----------------------|------|-----------------|---------|
| Mud Type:    |                       | Cushion Type:         |      | Oil API:        | deg API |
| Mud Weight:  | 9.00 lb/gal           | Cushion Length:       | ft   | Water Salinity: | ppm     |
| Viscosity:   | 40.00 sec/qt          | Cushion Volume:       | bbbl |                 |         |
| Water Loss:  | 15.94 in <sup>3</sup> | Gas Cushion Type:     |      |                 |         |
| Resistivity: | ohm.m                 | Gas Cushion Pressure: | psig |                 |         |
| Salinity:    | 57000.00 ppm          |                       |      |                 |         |
| Filter Cake: | inches                |                       |      |                 |         |

## Recovery Information

Recovery Table

| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 125.00       | 125 Slightly gas cut mud | 1.753         |

Total Length: 125.00 ft      Total Volume: 1.753 bbl

Num Fluid Samples: 0

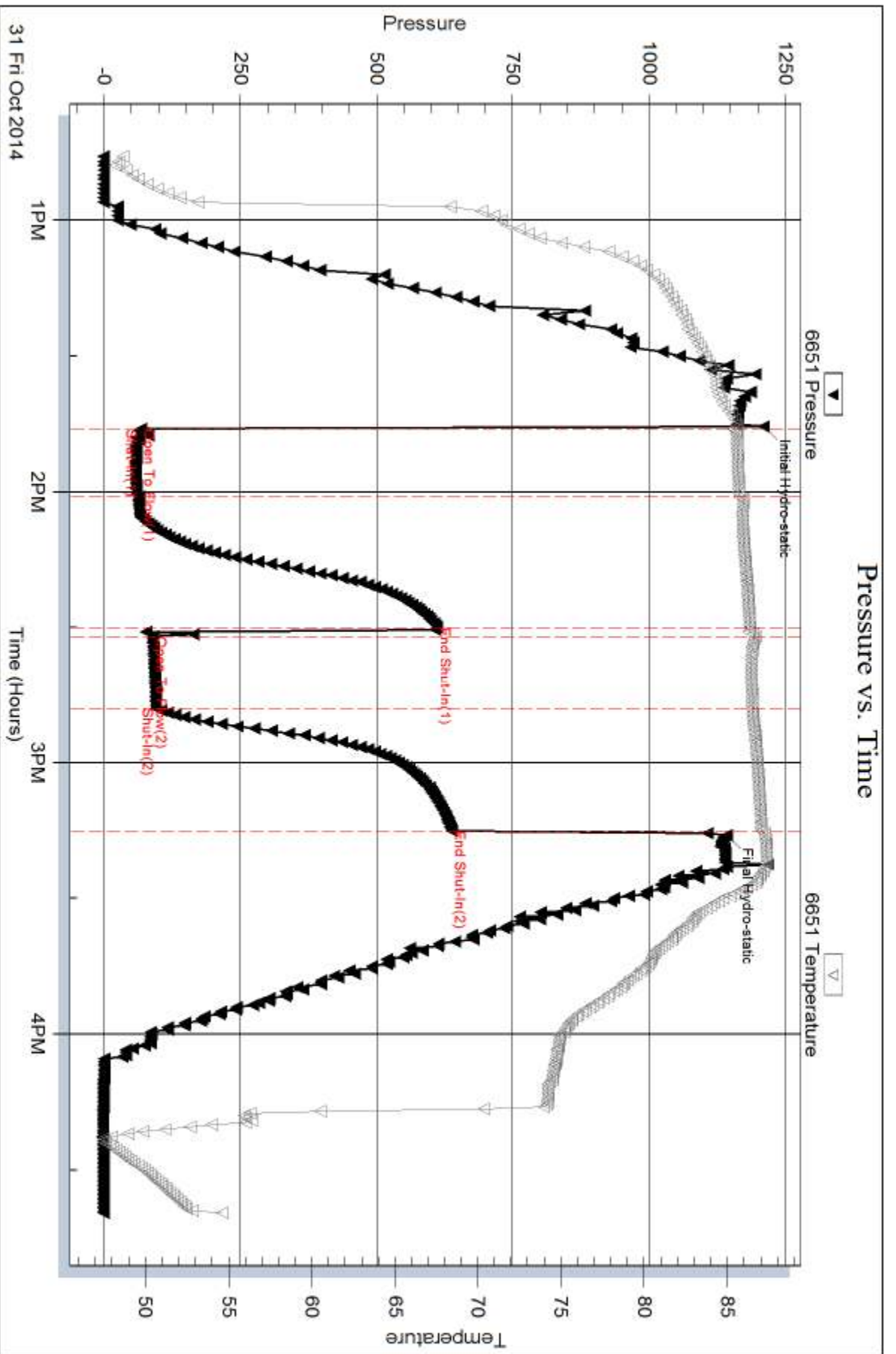
Num Gas Bombs: 0

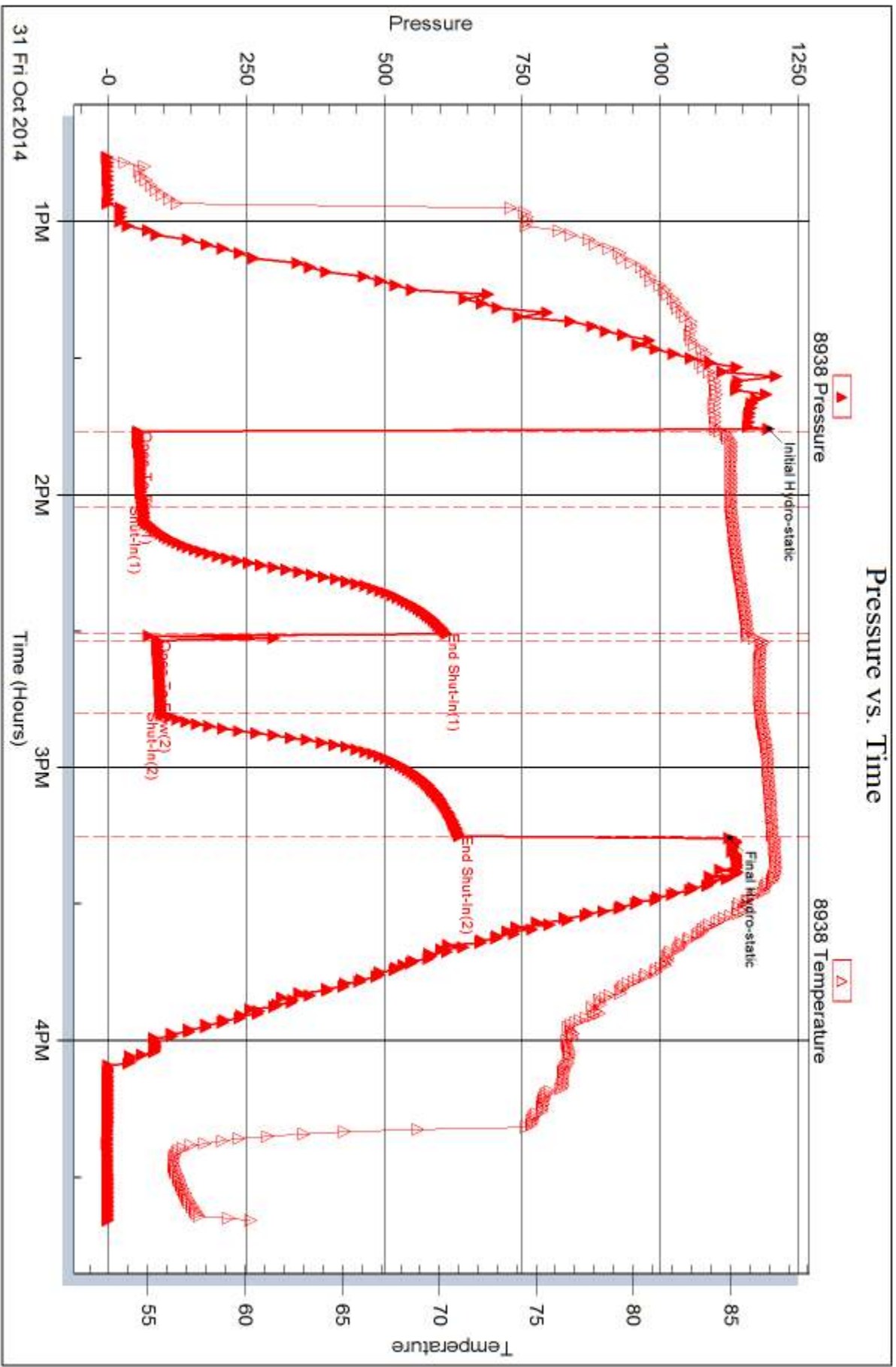
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita,KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.04 @ 04:16:12

End Date: 2014.11.04 @ 10:00:57

Job Ticket #: 59876                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:59:55





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59876

**DST#: 3**

ATTN: Renee Husted

Test Start: 2014.11.04 @ 04:16:12

## GENERAL INFORMATION:

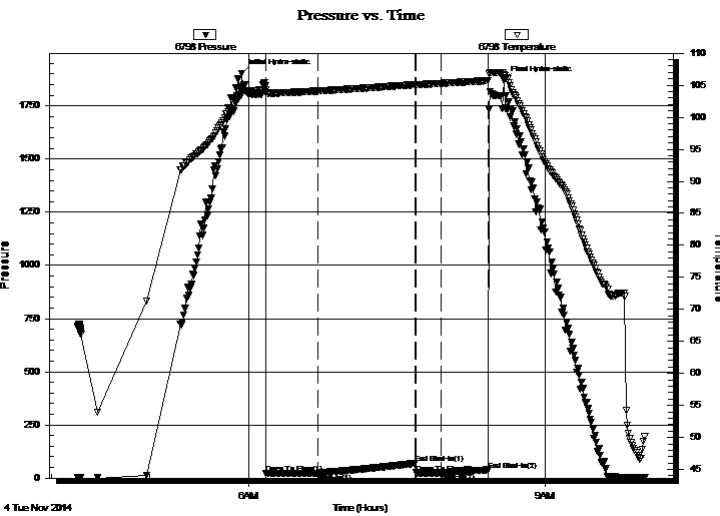
Formation: **Conglomerate**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:10:42  
 Time Test Ended: 10:00:57  
 Interval: **3685.00 ft (KB) To 3760.00 ft (KB) (TVD)**  
 Total Depth: 3760.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 2035.00 ft (KB)  
 2027.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 25.52 psig @ 3686.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.11.04 End Date: 2014.11.04 Last Calib.: 2014.11.04  
 Start Time: 04:16:13 End Time: 10:00:57 Time On Btm: 2014.11.04 @ 05:55:57  
 Time Off Btm: 2014.11.04 @ 08:34:57

TEST COMMENT: IF: Weak 1" Blow  
 IS: No Blow Back  
 FF: Weak Surface Blow, Dead @ 4 minutes  
 FS: No Blow Back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1903.34         | 103.57       | Initial Hydro-static |
| 15          | 21.59           | 103.81       | Open To Flow (1)     |
| 47          | 23.96           | 104.10       | Shut-In(1)           |
| 105         | 69.74           | 105.08       | End Shut-In(1)       |
| 106         | 24.71           | 105.07       | Open To Flow (2)     |
| 121         | 25.52           | 105.30       | Shut-In(2)           |
| 150         | 38.86           | 105.72       | End Shut-In(2)       |
| 159         | 1871.08         | 106.61       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00       | Mud         | 0.14         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59876

**DST#: 3**

ATTN: Renee Husted

Test Start: 2014.11.04 @ 04:16:12

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3665.00 ft | Diameter: 3.80 inches | Volume: 51.41 bbl              | Tool Weight:           | 2000.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 70000.00 lb |
|                           |                    |                       | <u>Total Volume: 51.41 bbl</u> | Tool Chased            | ft          |
| Drill Pipe Above KB:      | 6.00 ft            |                       |                                | String Weight: Initial | 59000.00 lb |
| Depth to Top Packer:      | 3685.00 ft         |                       |                                | Final                  | 59000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 75.00 ft           |                       |                                |                        |             |
| Tool Length:              | 101.00 ft          |                       |                                |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 3664.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3669.00    |                               |
| Jars             | 5.00        |            |          | 3674.00    |                               |
| Safety Joint     | 2.00        |            |          | 3676.00    |                               |
| Packer           | 5.00        |            |          | 3681.00    | 26.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3685.00    |                               |
| Stubb            | 1.00        |            |          | 3686.00    |                               |
| Recorder         | 0.00        | 6798       | Inside   | 3686.00    |                               |
| Recorder         | 0.00        | 8367       | Outside  | 3686.00    |                               |
| Perforations     | 2.00        |            |          | 3688.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3689.00    |                               |
| Drill Pipe       | 62.00       |            |          | 3751.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3752.00    |                               |
| Perforations     | 5.00        |            |          | 3757.00    |                               |
| Bullnose         | 3.00        |            |          | 3760.00    | 75.00 Bottom Packers & Anchor |

**Total Tool Length: 101.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59876

**DST#: 3**

ATTN: Renee Hustead

Test Start: 2014.11.04 @ 04:16:12

### 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: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 15.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 57000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 10.00        | Mud         | 0.140         |

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

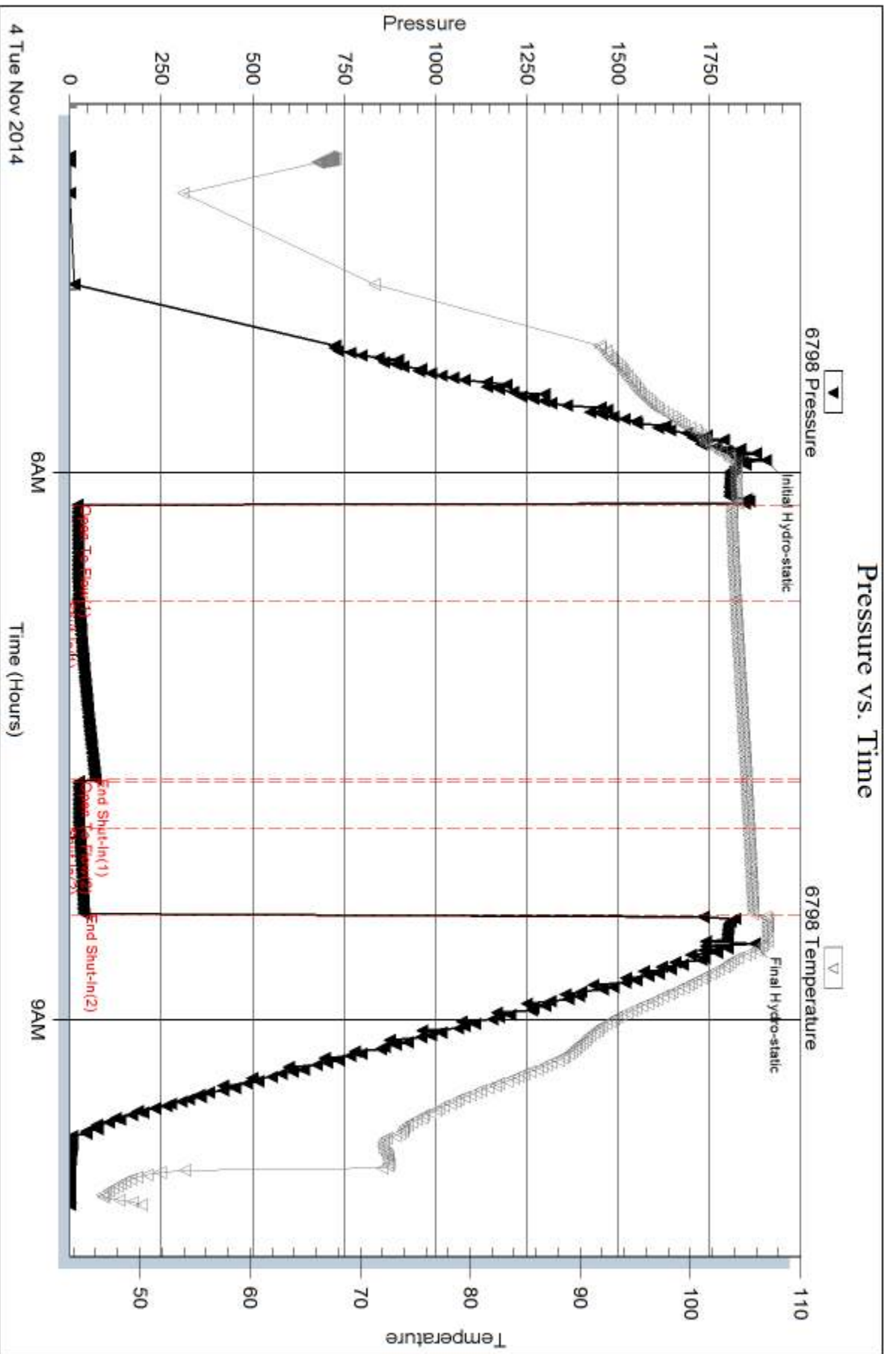
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

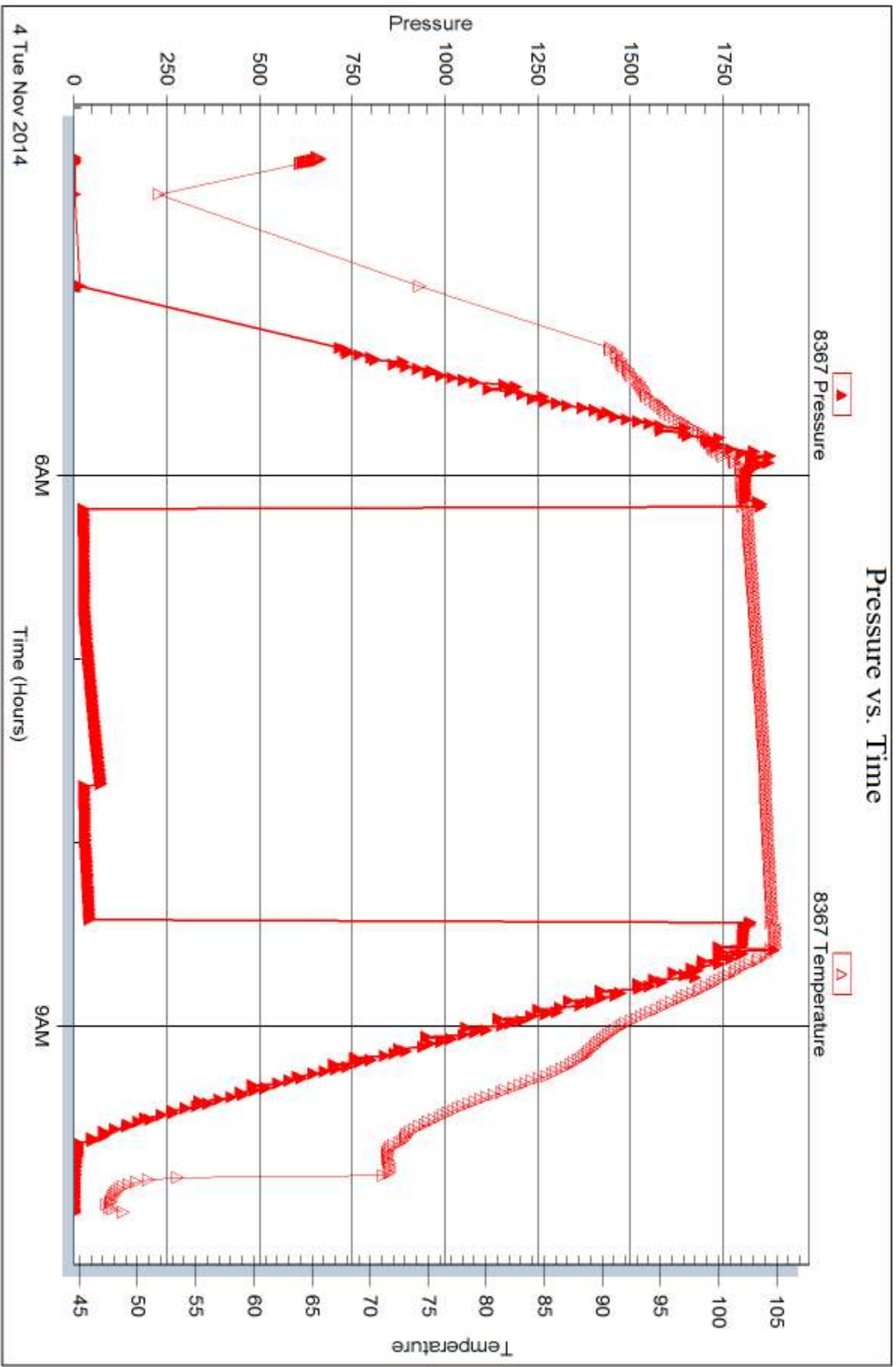


Serial #: 8367

Outside F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 59876

Printed: 2014.11.12 @ 09:59:56



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

#### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.04 @ 16:20:28

End Date: 2014.11.05 @ 00:56:13

Job Ticket #: 59877                      DST #: 4

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:59:34



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee, KS**

9431 East Central Suite 100  
Wichita, KS 67206-2563

**Scott Clark Jr #2-25**

ATTN: Renee Husted

Job Ticket: 59877

**DST#: 4**

Test Start: 2014.11.04 @ 16:20:28

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:10:58

Time Test Ended: 00:56:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3762.00 ft (KB) To 3770.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3770.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 259.12 psig @ 3763.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.04

End Date: 2014.11.05

Last Calib.: 2014.11.05

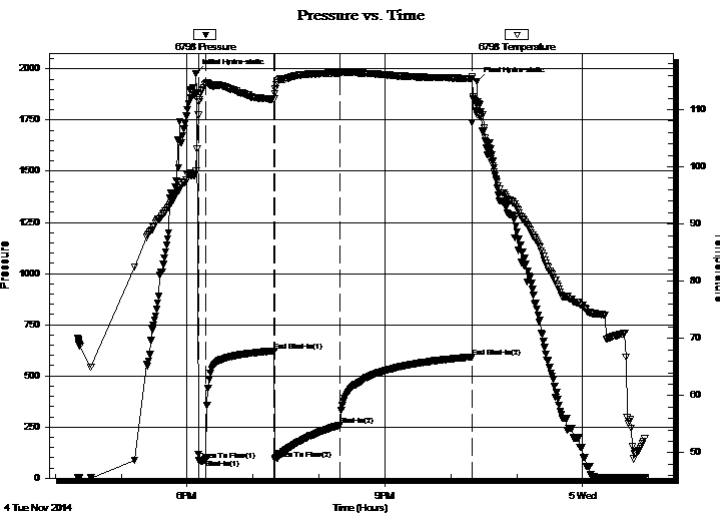
Start Time: 16:20:29

End Time: 00:56:13

Time On Btm: 2014.11.04 @ 18:08:13

Time Off Btm: 2014.11.04 @ 22:23:28

**TEST COMMENT:** IF: Strong Blow, BOB in 1 minute  
IS: 3" Blow Back  
FF: Strong Blow, BOB in 1 minute  
FS: Blow Back Built to 10 inches, GTS 110 minutes into Shut In



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1978.27         | 99.21        | Initial Hydro-static |
| 3           | 88.81           | 111.40       | Open To Flow (1)     |
| 9           | 91.14           | 114.55       | Shut-In(1)           |
| 71          | 620.73          | 111.86       | End Shut-In(1)       |
| 72          | 92.55           | 112.80       | Open To Flow (2)     |
| 131         | 259.12          | 116.41       | Shut-In(2)           |
| 251         | 592.02          | 115.44       | End Shut-In(2)       |
| 256         | 1939.35         | 111.22       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 0.00        | GTS                | 0.00         |
| 124.00      | Water              | 1.74         |
| 62.00       | SOMCW 5%O 5%M 90%W | 0.87         |
| 422.00      | GCO 20%G 80%O      | 5.92         |
|             |                    |              |
|             |                    |              |

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59877

**DST#: 4**

ATTN: Renee Husted

Test Start: 2014.11.04 @ 16:20:28

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3755.00 ft | Diameter: 3.80 inches | Volume: 52.67 bbl              | Tool Weight:           | 2000.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 80000.00 lb |
|                           |                    |                       | <u>Total Volume: 52.67 bbl</u> | Tool Chased            | ft          |
| Drill Pipe Above KB:      | 14.00 ft           |                       |                                | String Weight: Initial | 60000.00 lb |
| Depth to Top Packer:      | 3762.00 ft         |                       |                                | Final                  | 62000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 8.00 ft            |                       |                                |                        |             |
| Tool Length:              | 29.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 1                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                           |              |      |         |         |                            |
|---------------------------|--------------|------|---------|---------|----------------------------|
| Shut In Tool              | 5.00         |      |         | 3746.00 |                            |
| Hydraulic tool            | 5.00         |      |         | 3751.00 |                            |
| Jars                      | 5.00         |      |         | 3756.00 |                            |
| Safety Joint              | 2.00         |      |         | 3758.00 |                            |
| Packer                    | 4.00         |      |         | 3762.00 | 21.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |      |         | 3763.00 |                            |
| Recorder                  | 0.00         | 6798 | Inside  | 3763.00 |                            |
| Recorder                  | 0.00         | 8367 | Outside | 3763.00 |                            |
| Perforations              | 4.00         |      |         | 3767.00 |                            |
| Bullnose                  | 3.00         |      |         | 3770.00 | 8.00 Anchor Tool           |
| <b>Total Tool Length:</b> | <b>29.00</b> |      |         |         |                            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59877

**DST#: 4**

ATTN: Renee Husted

Test Start: 2014.11.04 @ 16:20:28

## Mud and Cushion Information

|              |                       |                       |      |                 |              |
|--------------|-----------------------|-----------------------|------|-----------------|--------------|
| Mud Type:    |                       | Cushion Type:         |      | Oil API:        | 38.4 deg API |
| Mud Weight:  | 9.00 lb/gal           | Cushion Length:       | ft   | Water Salinity: | 38000 ppm    |
| Viscosity:   | 40.00 sec/qt          | Cushion Volume:       | bbbl |                 |              |
| Water Loss:  | 15.93 in <sup>3</sup> | Gas Cushion Type:     |      |                 |              |
| Resistivity: | ohm.m                 | Gas Cushion Pressure: | psig |                 |              |
| Salinity:    | 57000.00 ppm          |                       |      |                 |              |
| Filter Cake: | inches                |                       |      |                 |              |

## Recovery Information

Recovery Table

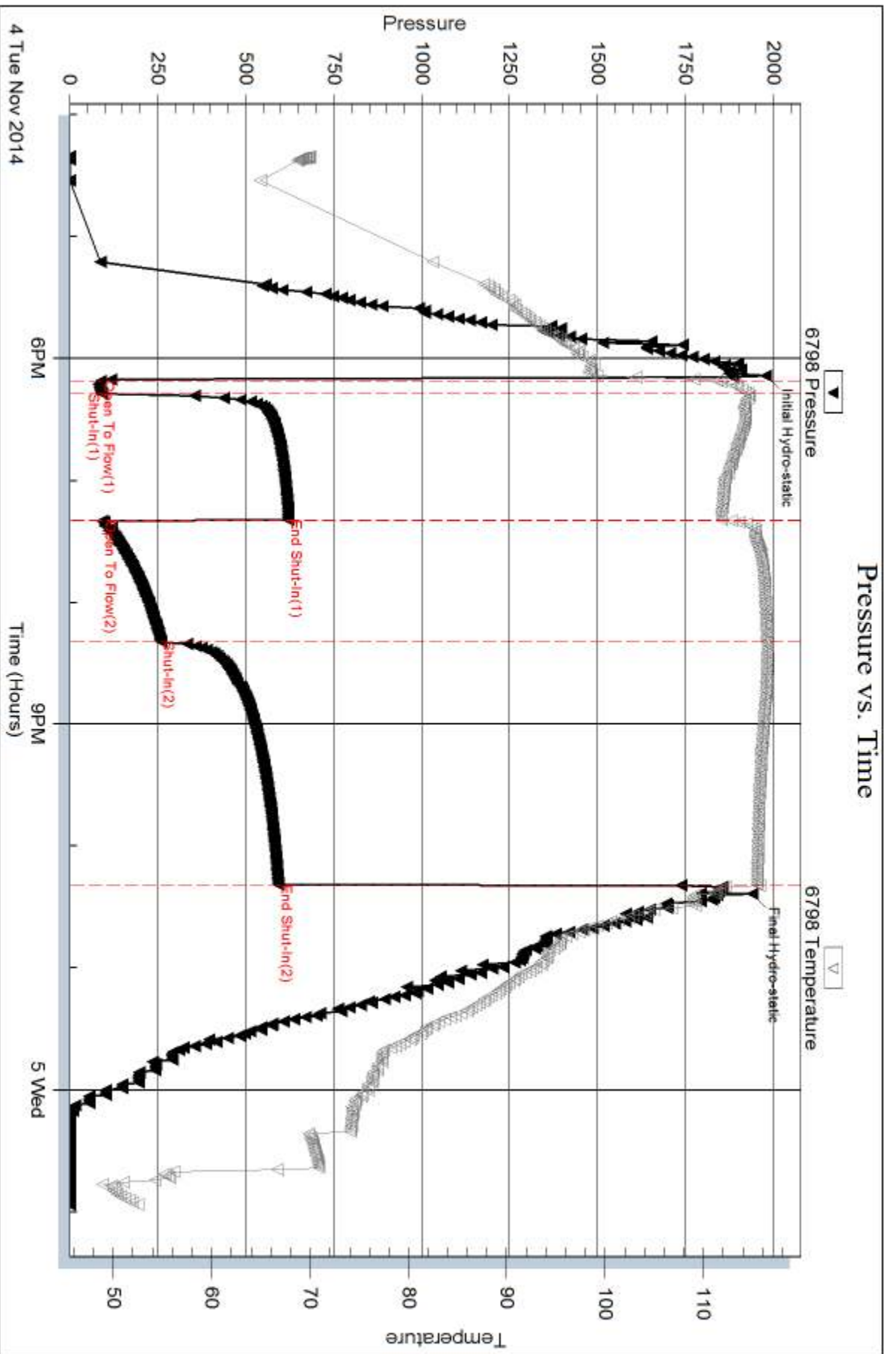
| Length<br>ft | Description        | Volume<br>bbbl |
|--------------|--------------------|----------------|
| 0.00         | GTS                | 0.000          |
| 124.00       | Water              | 1.739          |
| 62.00        | SOMCW 5%O 5%M 90%W | 0.870          |
| 422.00       | GCO 20%G 80%O      | 5.920          |

Total Length: 608.00 ft      Total Volume: 8.529 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW w as .27 @ 59 degrees  
Gravity Was 37.6 @ 52 degrees

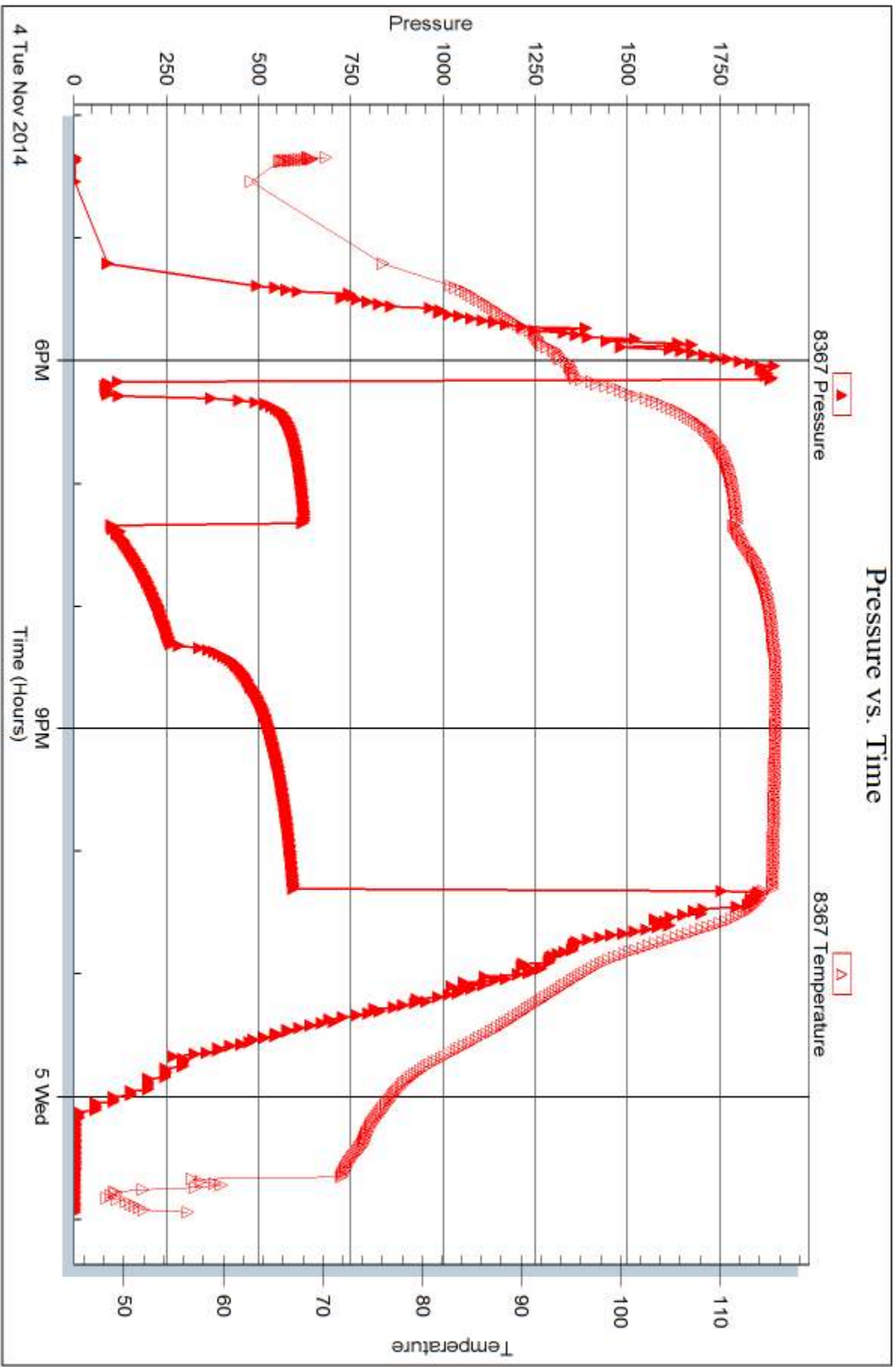


Serial #: 8367

Outside F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 59877

Printed: 2014.11.12 @ 09:59:35



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita,KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

#### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.05 @ 08:00:53

End Date: 2014.11.05 @ 11:41:53

Job Ticket #: 59878                      DST #: 5

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:59:08



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59878

**DST#: 5**

ATTN: Renee Husted

Test Start: 2014.11.05 @ 08:00:53

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:58:08

Time Test Ended: 11:41:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3772.00 ft (KB) To 3780.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798 Inside**

Press@RunDepth: psig @ 3773.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.05 End Date: 2014.11.05

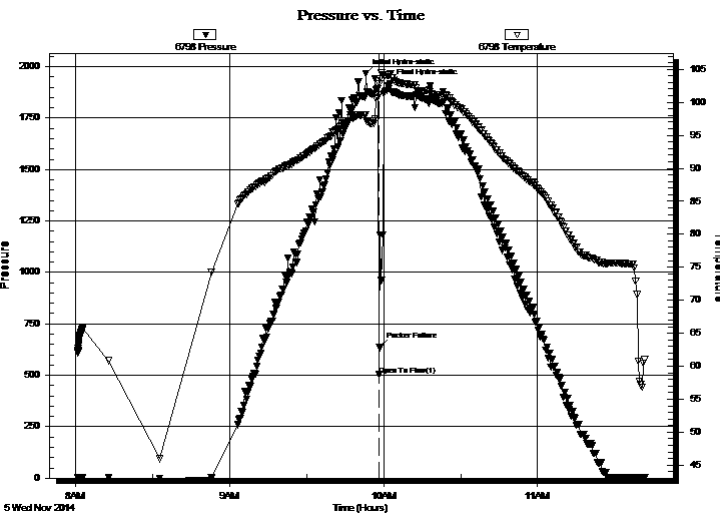
Last Calib.: 2014.11.05

Start Time: 08:00:54 End Time: 11:41:53

Time On Btm: 2014.11.05 @ 09:53:08

Time Off Btm: 2014.11.05 @ 10:02:38

TEST COMMENT: IF: Packer Failure, Tried to Reset, Failed Again, Pulled Test



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1967.94         | 98.16        | Initial Hydro-static |
| 5           | 502.73          | 101.21       | Open To Flow (1)     |
| 6           | 634.86          | 102.85       | Packer Failure       |
| 10          | 1918.18         | 104.37       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 450.00      | Drig Mud    | 6.31         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59878

**DST#: 5**

ATTN: Renee Husted

Test Start: 2014.11.05 @ 08:00:53

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3755.00 ft | Diameter: 3.80 inches | Volume: 52.67 bbl              | Tool Weight:           | 2000.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 40000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 80000.00 lb |
|                           |                    |                       | <u>Total Volume: 52.67 bbl</u> | Tool Chased            | ft          |
| Drill Pipe Above KB:      | 4.00 ft            |                       |                                | String Weight: Initial | 60000.00 lb |
| Depth to Top Packer:      | 3772.00 ft         |                       |                                | Final                  | 62000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 8.00 ft            |                       |                                |                        |             |
| Tool Length:              | 29.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 1                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                           |              |      |         |         |                            |
|---------------------------|--------------|------|---------|---------|----------------------------|
| Shut In Tool              | 5.00         |      |         | 3756.00 |                            |
| Hydraulic tool            | 5.00         |      |         | 3761.00 |                            |
| Jars                      | 5.00         |      |         | 3766.00 |                            |
| Safety Joint              | 2.00         |      |         | 3768.00 |                            |
| Packer                    | 4.00         |      |         | 3772.00 | 21.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |      |         | 3773.00 |                            |
| Recorder                  | 0.00         | 6798 | Inside  | 3773.00 |                            |
| Recorder                  | 0.00         | 8367 | Outside | 3773.00 |                            |
| Perforations              | 4.00         |      |         | 3777.00 |                            |
| Bullnose                  | 3.00         |      |         | 3780.00 | 8.00 Anchor Tool           |
| <b>Total Tool Length:</b> | <b>29.00</b> |      |         |         |                            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59878

**DST#: 5**

ATTN: Renee Husted

Test Start: 2014.11.05 @ 08:00:53

### 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: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 15.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 57000.00 ppm

Filter Cake: inches

### Recovery Information

#### Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 450.00       | Drig Mud    | 6.312         |

Total Length: 450.00 ft      Total Volume: 6.312 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

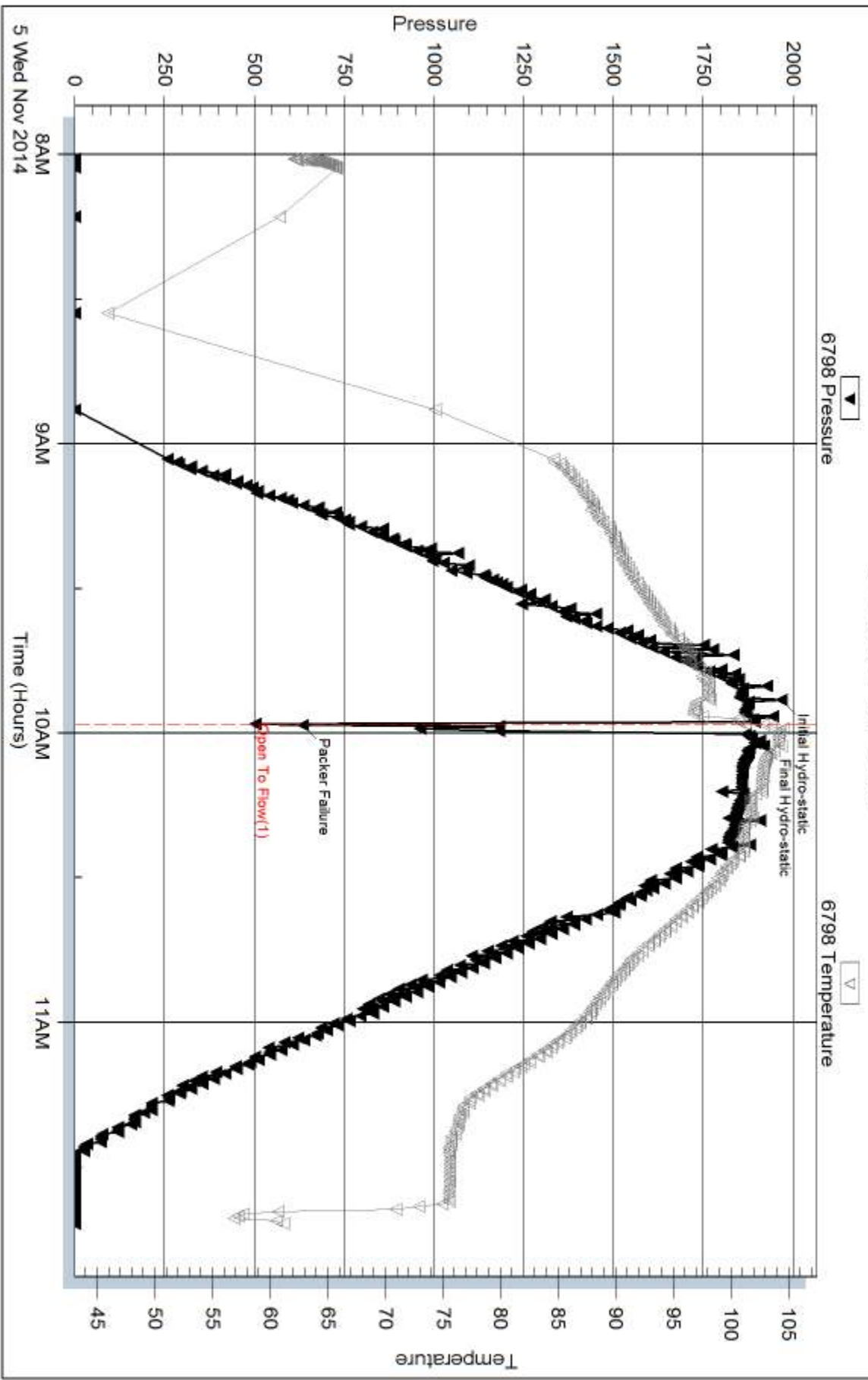
Inside

F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 5

### Pressure vs. Time

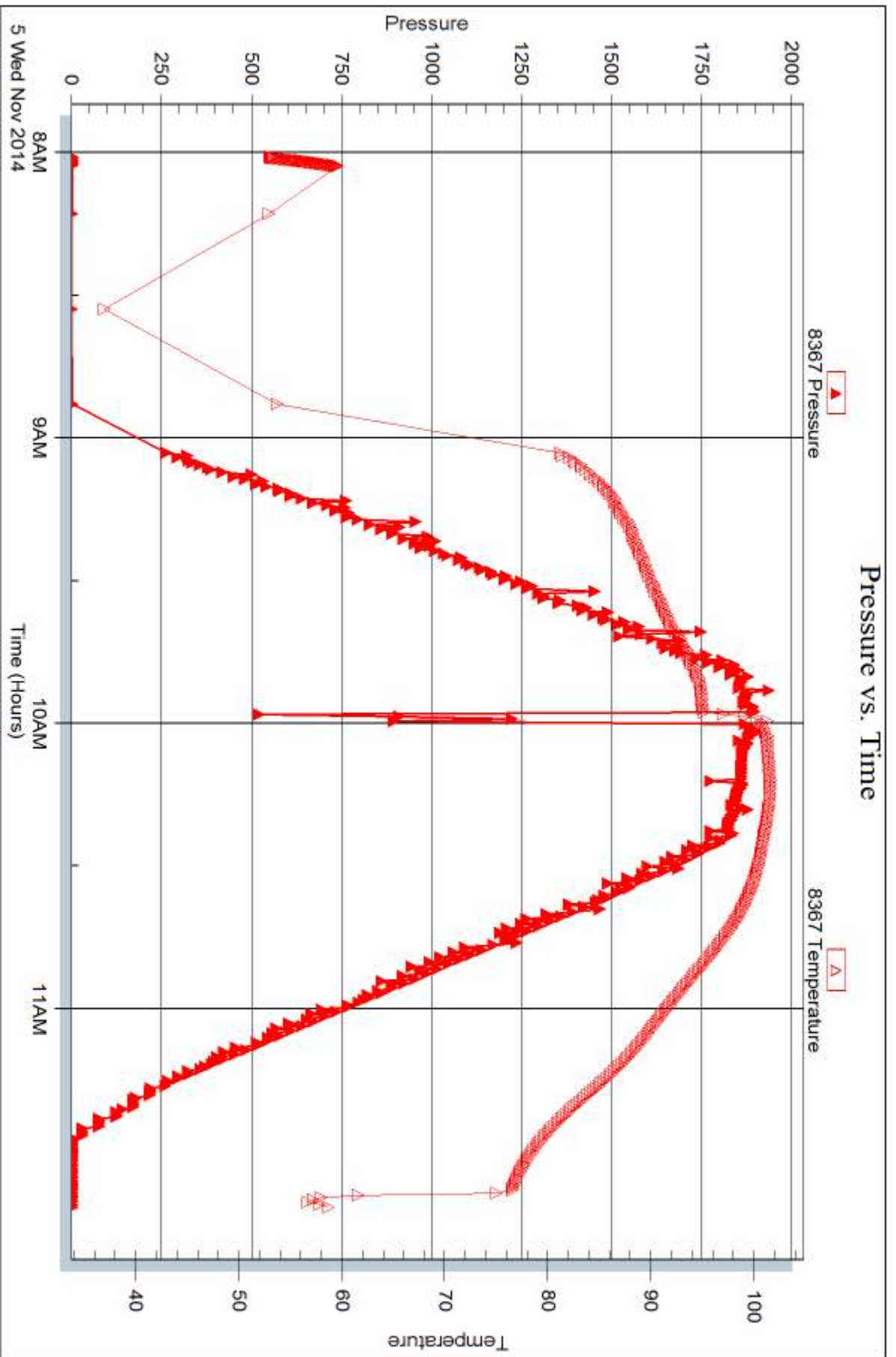


Serial #: 8367

Outside F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 5





## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

#### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.05 @ 12:00:21

End Date: 2014.11.05 @ 18:40:06

Job Ticket #: 59879                      DST #: 6

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:58:44



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee, KS**

9431 East Central Suite 100  
Wichita, KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59879

**DST#: 6**

ATTN: Renee Husted

Test Start: 2014.11.05 @ 12:00:21

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:14:21

Time Test Ended: 18:40:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3769.00 ft (KB) To 3780.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 330.91 psig @ 3770.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.05

End Date:

2014.11.05

Last Calib.:

2014.11.05

Start Time: 12:00:22

End Time:

18:40:06

Time On Btm:

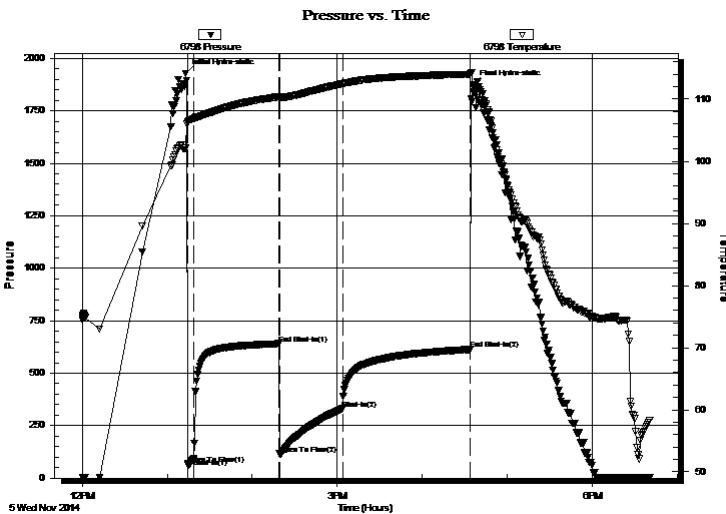
2014.11.05 @ 13:13:06

Time Off Btm:

2014.11.05 @ 16:35:51

**TEST COMMENT:** IF: Strong Blow , BOB in 2 minutes  
IS: Weak Surface Blow Back  
FF: Strong Blow , BOB in 3 minutes  
FS: 1" Blow Back

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1928.83         | 102.12       | Initial Hydro-static |
| 2           | 67.94           | 106.14       | Open To Flow (1)     |
| 6           | 92.48           | 106.83       | Shut-In(1)           |
| 66          | 640.43          | 110.38       | End Shut-In(1)       |
| 67          | 112.32          | 110.22       | Open To Flow (2)     |
| 111         | 330.91          | 112.45       | Shut-In(2)           |
| 201         | 613.11          | 114.01       | End Shut-In(2)       |
| 203         | 1876.71         | 111.23       | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 0.00        | 650 GIP                  | 0.00         |
| 434.00      | Water                    | 6.09         |
| 248.00      | OMCW 8%O 10%M 82%W       | 3.48         |
| 30.00       | GWOCM 5%G 20%W 30%O 45%M | 0.42         |
|             |                          |              |
|             |                          |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59879

**DST#: 6**

ATTN: Renee Husted

Test Start: 2014.11.05 @ 12:00:21

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3755.00 ft | Diameter: 3.80 inches | Volume: 52.67 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 30000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 90000.00 lb  |
|                           |                    |                       | <u>Total Volume: 52.67 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 7.00 ft            |                       |                                | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 3769.00 ft         |                       |                                | Final 64000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 11.00 ft           |                       |                                |                                    |
| Tool Length:              | 32.00 ft           |                       |                                |                                    |
| Number of Packers:        | 1                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut In Tool              | 5.00         |            |          | 3753.00    |                            |
| Hydraulic tool            | 5.00         |            |          | 3758.00    |                            |
| Jars                      | 5.00         |            |          | 3763.00    |                            |
| Safety Joint              | 2.00         |            |          | 3765.00    |                            |
| Packer                    | 4.00         |            |          | 3769.00    | 21.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |            |          | 3770.00    |                            |
| Recorder                  | 0.00         | 6798       | Inside   | 3770.00    |                            |
| Recorder                  | 0.00         | 8367       | Outside  | 3770.00    |                            |
| Perforations              | 7.00         |            |          | 3777.00    |                            |
| Bullnose                  | 3.00         |            |          | 3780.00    | 11.00 Anchor Tool          |
| <b>Total Tool Length:</b> | <b>32.00</b> |            |          |            |                            |





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59879

**DST#: 6**

ATTN: Renee Husted

Test Start: 2014.11.05 @ 12:00:21

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 40.00 sec/qt  
Water Loss: 15.93 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 57000.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 40000 ppm

## Recovery Information

Recovery Table

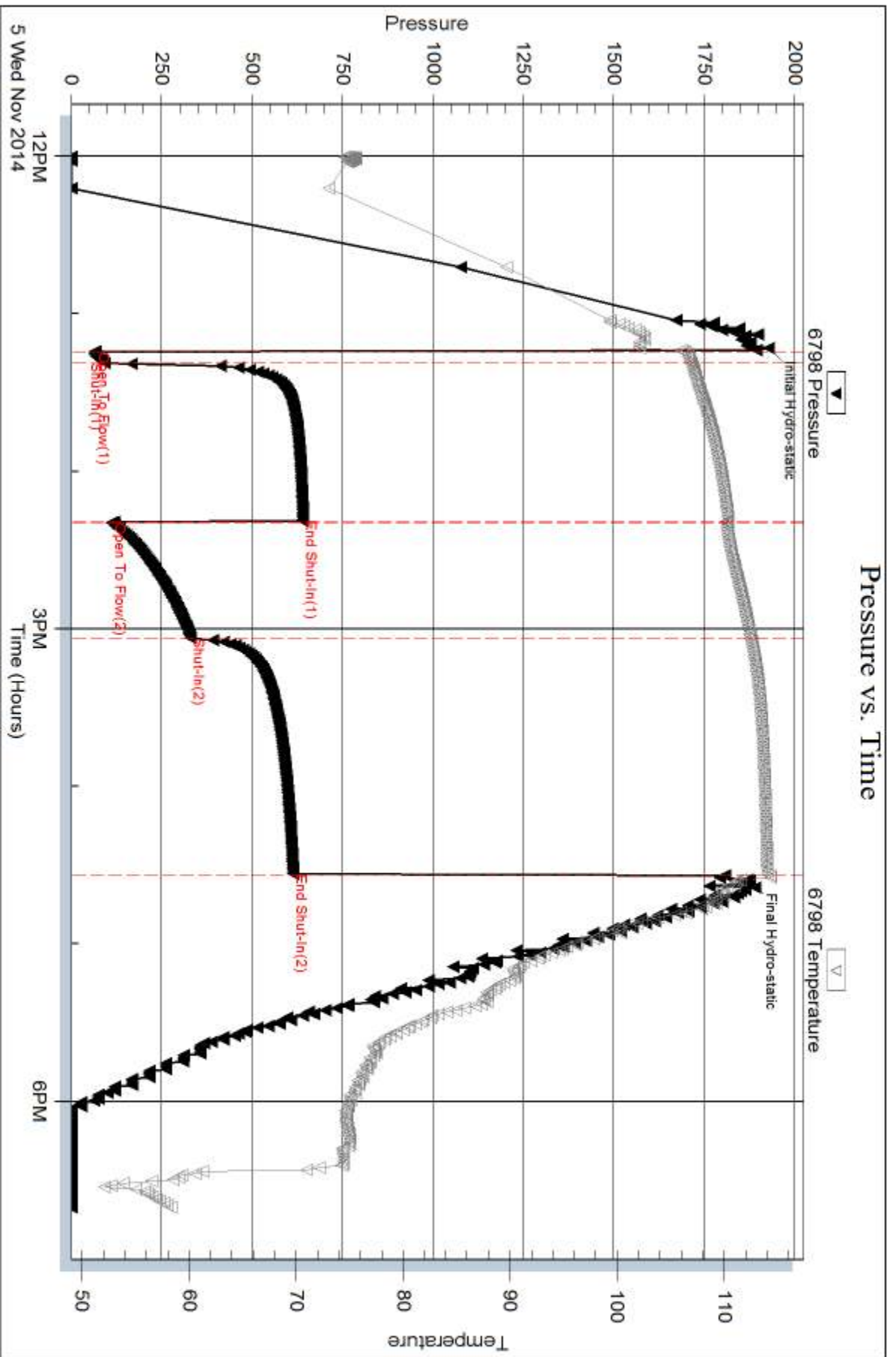
| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 0.00         | 650 GIP                  | 0.000         |
| 434.00       | Water                    | 6.088         |
| 248.00       | OMCW 8%O 10%M 82%W       | 3.479         |
| 30.00        | GWOCM 5%G 20%W 30%O 45%M | 0.421         |

Total Length: 712.00 ft      Total Volume: 9.988 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW w as .2 @ 63 degrees

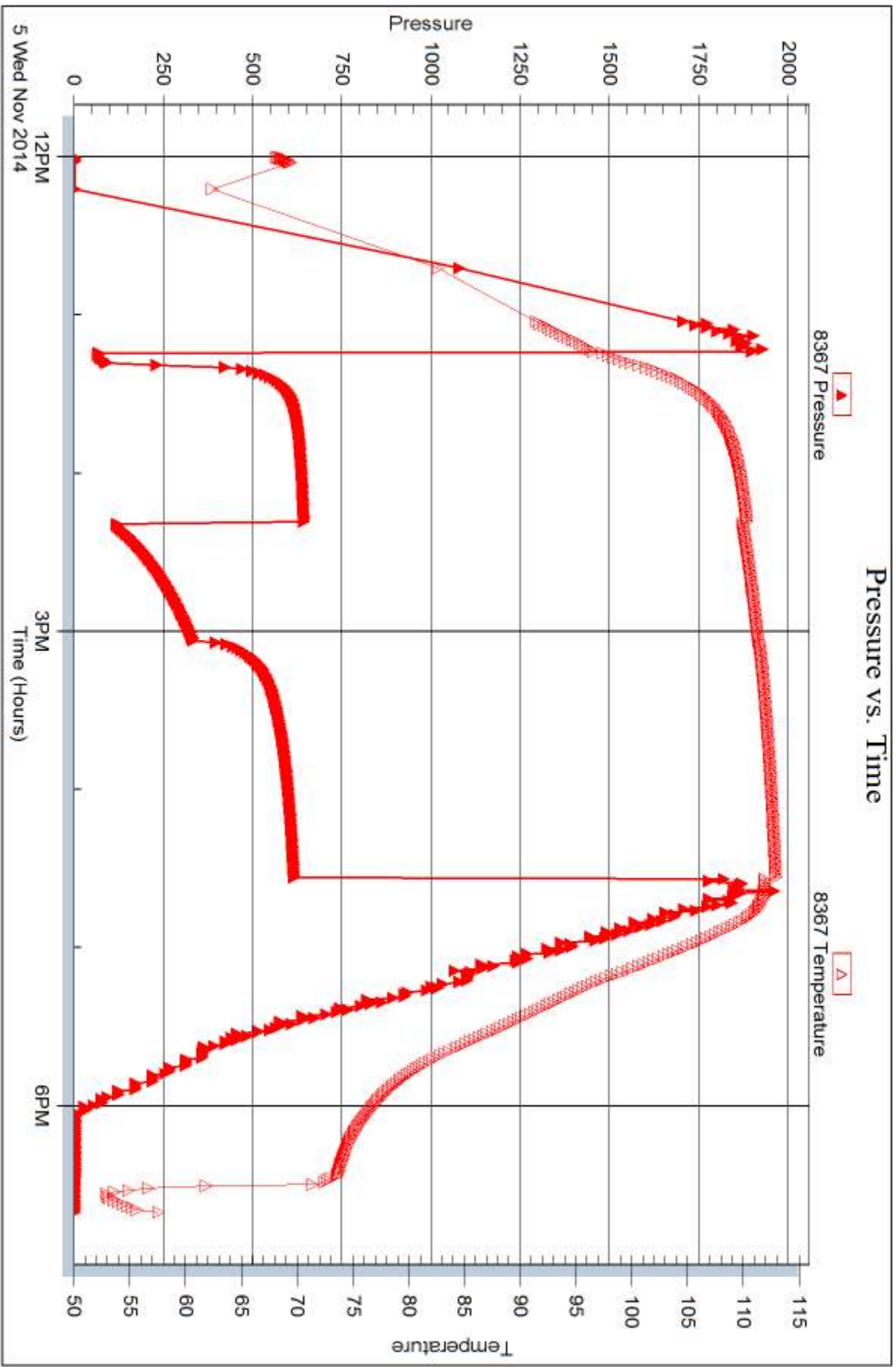


Serial #: 8367

Outside F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 59879

Printed: 2014.11.12 @ 09:58:45



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

#### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.06 @ 01:18:40

End Date: 2014.11.06 @ 09:16:25

Job Ticket #: 59880                      DST #: 7

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:58:20



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee, KS**

9431 East Central Suite 100  
Wichita, KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59880

**DST#: 7**

ATTN: Renee Husted

Test Start: 2014.11.06 @ 01:18:40

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:49:25

Time Test Ended: 09:16:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3780.00 ft (KB) To 3790.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3790.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 900.37 psig @ 3781.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.06

End Date:

2014.11.06

Last Calib.:

2014.11.06

Start Time: 01:18:41

End Time:

09:16:25

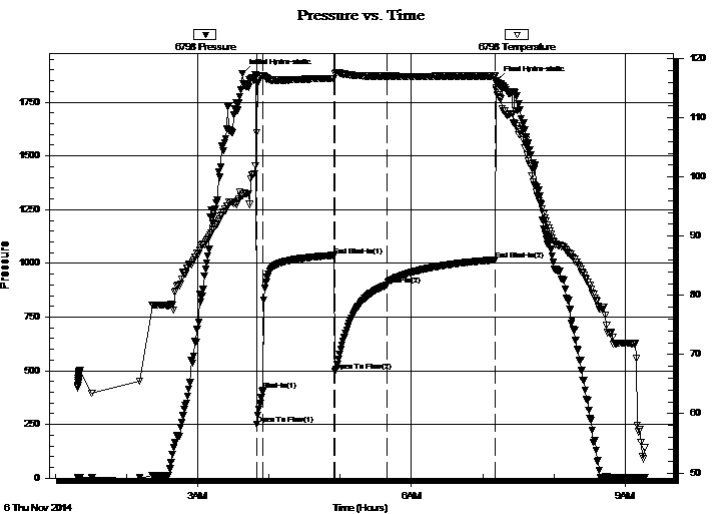
Time On Btm:

2014.11.06 @ 03:37:25

Time Off Btm:

2014.11.06 @ 07:11:40

**TEST COMMENT:** IF: Strong Blow , BOB in 30 seconds  
IS: Weak Surface Blow Back  
FF: Strong Blow , BOB in 30 seconds  
FS: No Blow Back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1884.77         | 96.77        | Initial Hydro-static |
| 12          | 252.54          | 107.49       | Open To Flow (1)     |
| 18          | 410.30          | 117.13       | Shut-In(1)           |
| 77          | 1037.30         | 116.67       | End Shut-In(1)       |
| 78          | 496.21          | 117.44       | Open To Flow (2)     |
| 122         | 900.37          | 117.02       | Shut-In(2)           |
| 214         | 1016.04         | 117.02       | End Shut-In(2)       |
| 215         | 1852.25         | 114.69       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 2046.00     | Water       | 28.70        |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59880

**DST#: 7**

ATTN: Renee Husted

Test Start: 2014.11.06 @ 01:18:40

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3786.00 ft | Diameter: 3.80 inches | Volume: 53.11 bbl              | Tool Weight:           | 2000.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 90000.00 lb |
|                           |                    |                       | <u>Total Volume: 53.11 bbl</u> | Tool Chased            | ft          |
| Drill Pipe Above KB:      | 27.00 ft           |                       |                                | String Weight: Initial | 60000.00 lb |
| Depth to Top Packer:      | 3780.00 ft         |                       |                                | Final                  | 70000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 10.00 ft           |                       |                                |                        |             |
| Tool Length:              | 31.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 1                  | Diameter: 6.75 inches |                                |                        |             |
| Tool Comments:            |                    |                       |                                |                        |             |

## Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut In Tool              | 5.00         |            |          | 3764.00    |                            |
| Hydraulic tool            | 5.00         |            |          | 3769.00    |                            |
| Jars                      | 5.00         |            |          | 3774.00    |                            |
| Safety Joint              | 2.00         |            |          | 3776.00    |                            |
| Packer                    | 4.00         |            |          | 3780.00    | 21.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |            |          | 3781.00    |                            |
| Recorder                  | 0.00         | 6798       | Inside   | 3781.00    |                            |
| Recorder                  | 0.00         | 8367       | Outside  | 3781.00    |                            |
| Perforations              | 6.00         |            |          | 3787.00    |                            |
| Bullnose                  | 3.00         |            |          | 3790.00    | 10.00 Anchor Tool          |
| <b>Total Tool Length:</b> | <b>31.00</b> |            |          |            |                            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59880

**DST#: 7**

ATTN: Renee Husted

Test Start: 2014.11.06 @ 01:18:40

### 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:

48000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 15.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 57000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 2046.00      | Water       | 28.700        |

Total Length: 2046.00 ft      Total Volume: 28.700 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

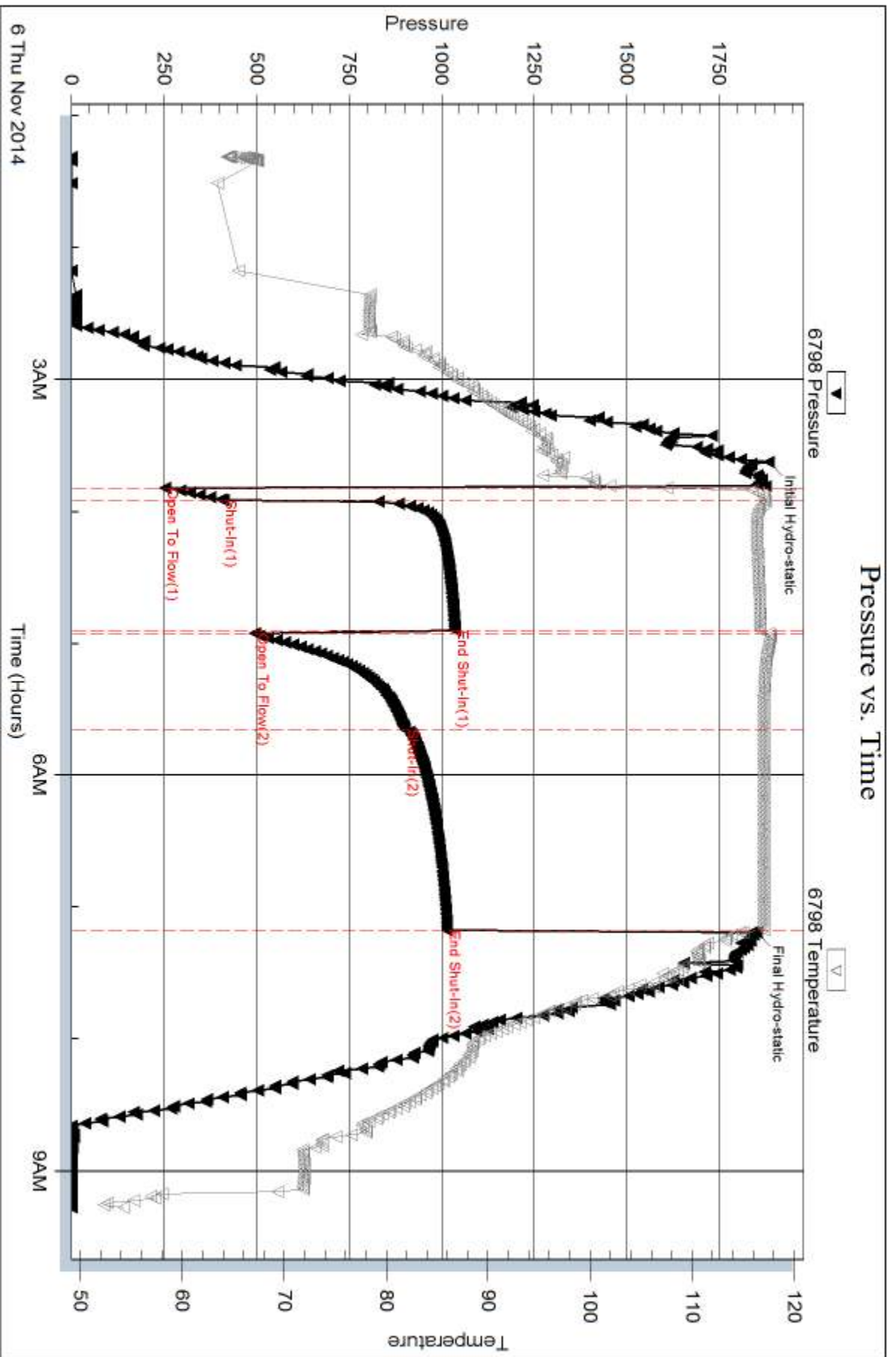
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .26 @ 52 degrees



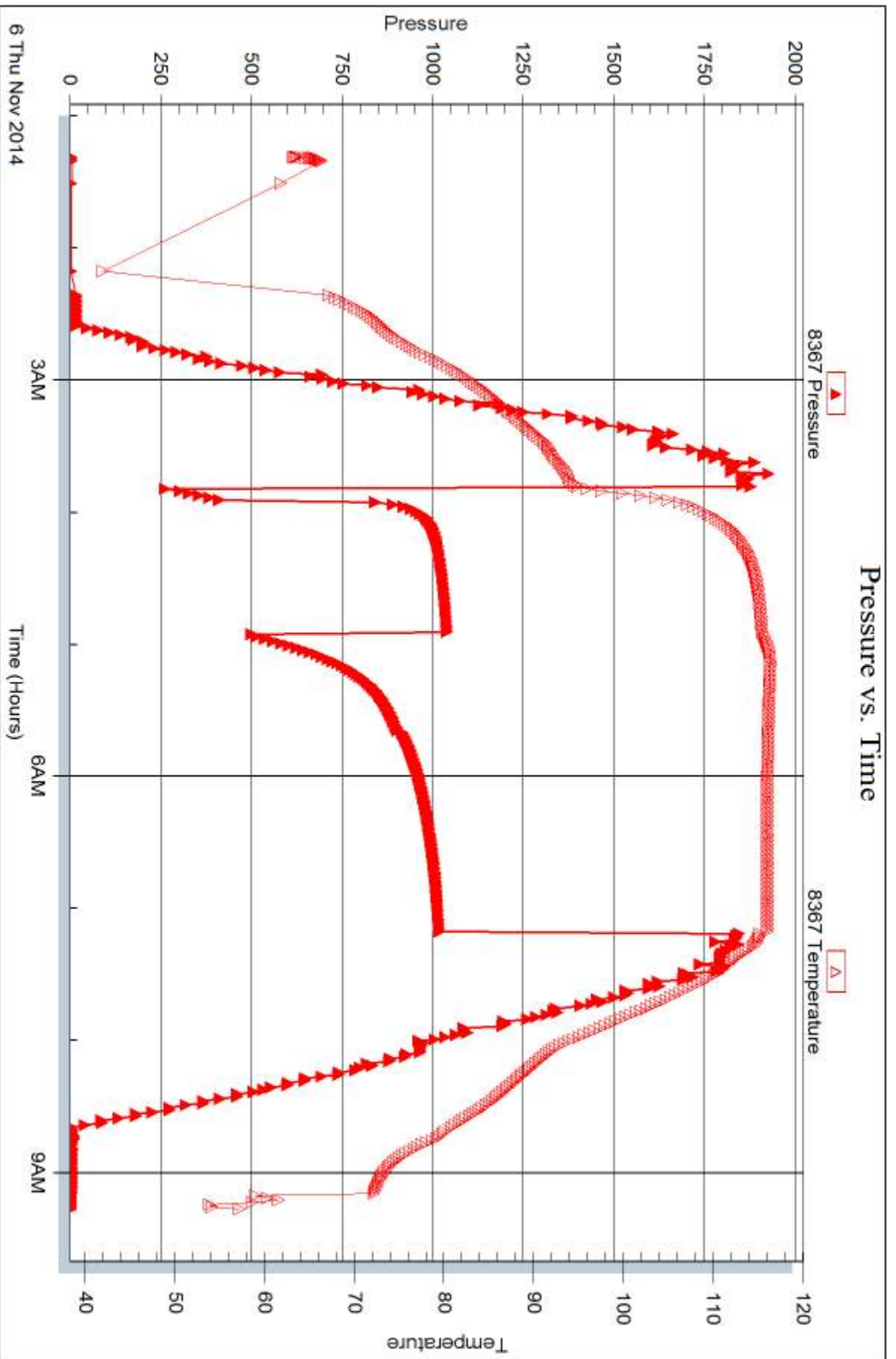


Serial #: 8367

Outside F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 59880

Printed: 2014.11.12 @ 09:58:21



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

#### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.06 @ 16:03:32

End Date: 2014.11.06 @ 23:24:17

Job Ticket #: 59881                      DST #: 8

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:57:56



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee, KS**

9431 East Central Suite 100  
Wichita, KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59881

**DST#: 8**

ATTN: Renee Husted

Test Start: 2014.11.06 @ 16:03:32

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:15:02

Time Test Ended: 23:24:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3790.00 ft (KB) To 3805.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3805.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 1108.29 psig @ 3791.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.06

End Date:

2014.11.06

Last Calib.:

2014.11.06

Start Time: 16:03:33

End Time:

23:24:17

Time On Btm:

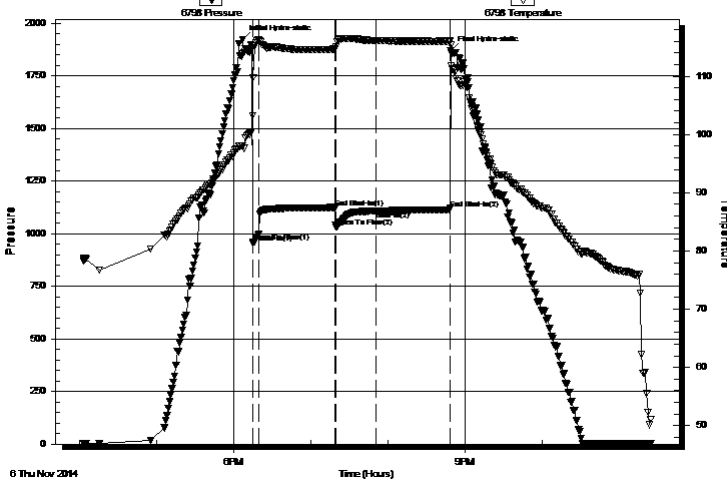
2014.11.06 @ 18:07:17

Time Off Btm:

2014.11.06 @ 20:48:47

**TEST COMMENT:** IF: Strong Blow , BOB in 20 seconds  
IS: Weak Surface Blow Back  
FF: Strong Blow , BOB in 20 seconds  
FS: No Blow Back

Pressure vs. Time



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1923.27         | 98.11        | Initial Hydro-static |
| 8           | 958.68          | 103.27       | Open To Flow (1)     |
| 13          | 996.36          | 116.24       | Shut-In(1)           |
| 72          | 1124.12         | 114.63       | End Shut-In(1)       |
| 73          | 1032.75         | 115.00       | Open To Flow (2)     |
| 104         | 1108.29         | 116.12       | Shut-In(2)           |
| 161         | 1119.30         | 116.01       | End Shut-In(2)       |
| 162         | 1871.10         | 115.35       | Final Hydro-static   |

## Recovery

| Length (ft) | Description             | Volume (bbl) |
|-------------|-------------------------|--------------|
| 2294.00     | Water                   | 32.18        |
| 206.00      | GMCW 2%G 20%M 78% Water | 2.89         |
|             |                         |              |
|             |                         |              |
|             |                         |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59881

**DST#: 8**

ATTN: Renee Husted

Test Start: 2014.11.06 @ 16:03:32

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3786.00 ft | Diameter: 3.80 inches | Volume: 53.11 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 80000.00 lb  |
|                           |                    |                       | <u>Total Volume: 53.11 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 17.00 ft           |                       |                                | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 3790.00 ft         |                       |                                | Final 72000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 15.00 ft           |                       |                                |                                    |
| Tool Length:              | 36.00 ft           |                       |                                |                                    |
| Number of Packers:        | 1                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut In Tool              | 5.00         |            |          | 3774.00    |                            |
| Hydraulic tool            | 5.00         |            |          | 3779.00    |                            |
| Jars                      | 5.00         |            |          | 3784.00    |                            |
| Safety Joint              | 2.00         |            |          | 3786.00    |                            |
| Packer                    | 4.00         |            |          | 3790.00    | 21.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |            |          | 3791.00    |                            |
| Recorder                  | 0.00         | 6798       | Inside   | 3791.00    |                            |
| Recorder                  | 0.00         | 8367       | Outside  | 3791.00    |                            |
| Perforations              | 11.00        |            |          | 3802.00    |                            |
| Bullnose                  | 3.00         |            |          | 3805.00    | 15.00 Anchor Tool          |
| <b>Total Tool Length:</b> | <b>36.00</b> |            |          |            |                            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59881

**DST#: 8**

ATTN: Renee Husted

Test Start: 2014.11.06 @ 16:03:32

### 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:

40000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 15.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 57000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description             | Volume<br>bbl |
|--------------|-------------------------|---------------|
| 2294.00      | Water                   | 32.179        |
| 206.00       | GMCW 2%G 20%M 78% Water | 2.890         |

Total Length: 2500.00 ft      Total Volume: 35.069 bbl

Num Fluid Samples: 0

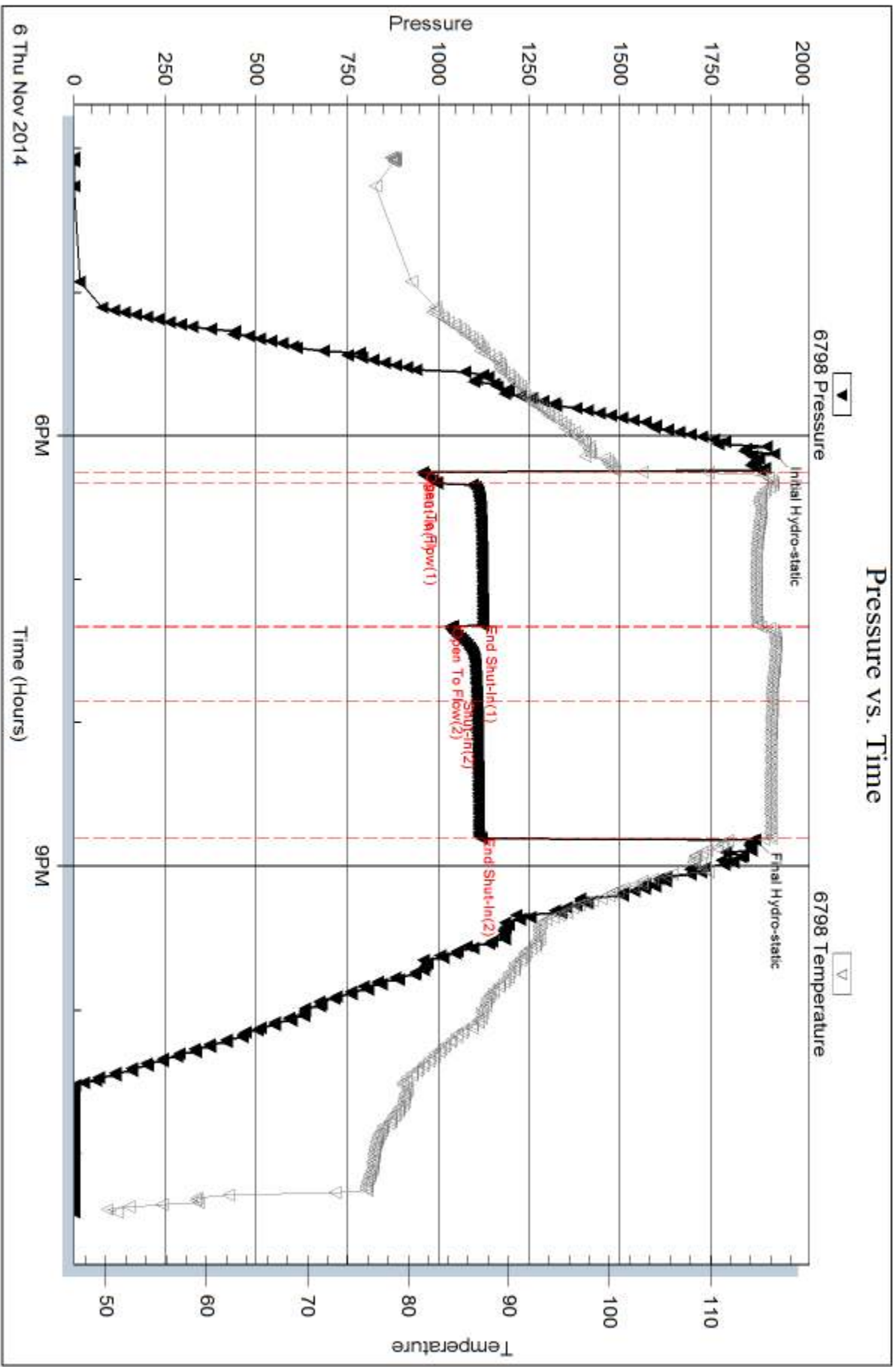
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .21 @ 60 degrees



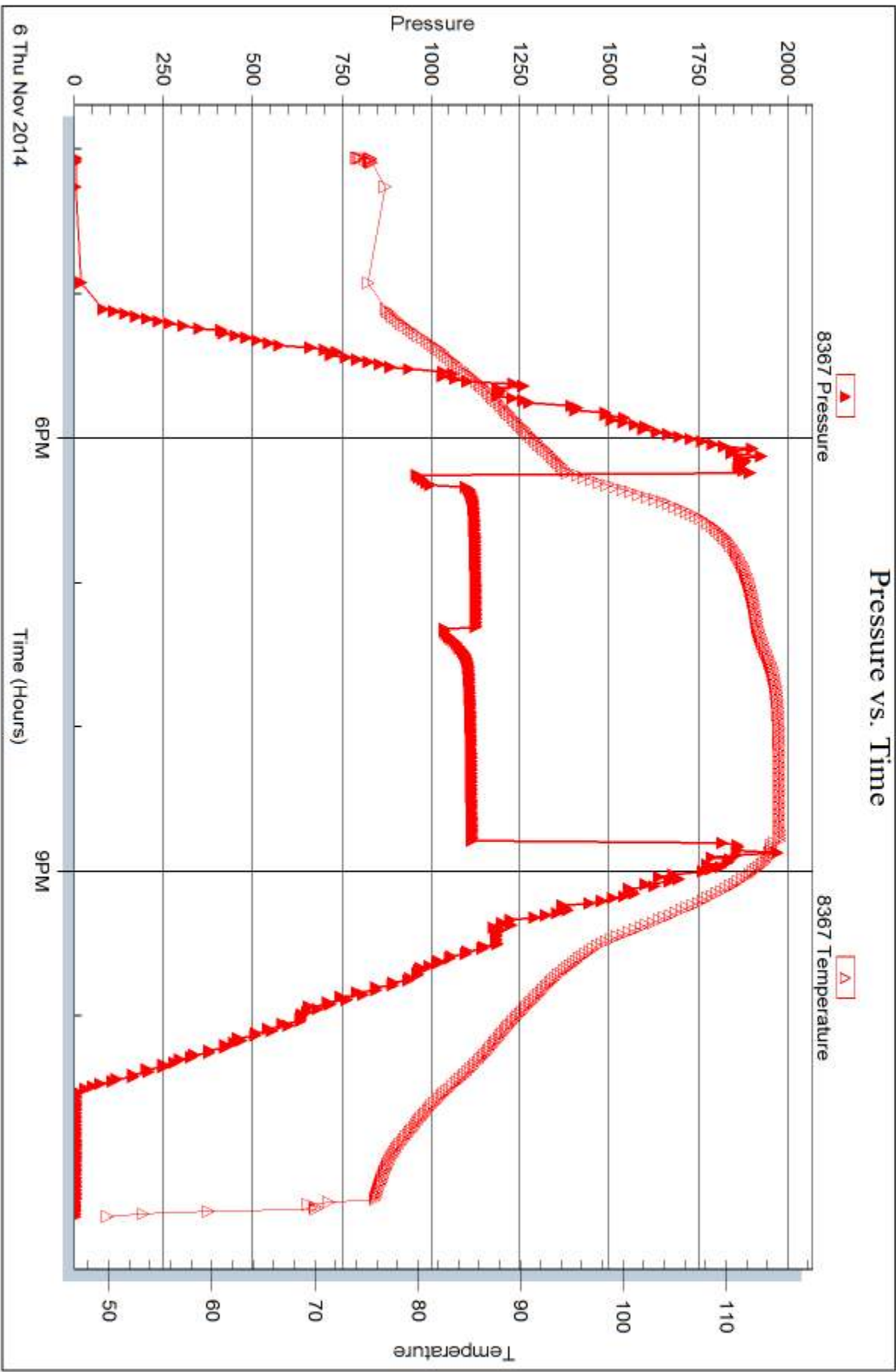


Serial #: 8367

Outside F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 8



Trilobite Testing, Inc

Ref. No: 59881

Printed: 2014.11.12 @ 09:57:58



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita,KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

#### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.07 @ 10:56:26

End Date: 2014.11.07 @ 17:13:11

Job Ticket #: 59882                      DST #: 9

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:57:21



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59882

**DST#: 9**

ATTN: Renee Husted

Test Start: 2014.11.07 @ 10:56:26

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:29:56

Time Test Ended: 17:13:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3810.00 ft (KB) To 3820.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3820.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 573.23 psig @ 3811.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.07

End Date:

2014.11.07

Last Calib.: 2014.11.07

Start Time: 10:56:27

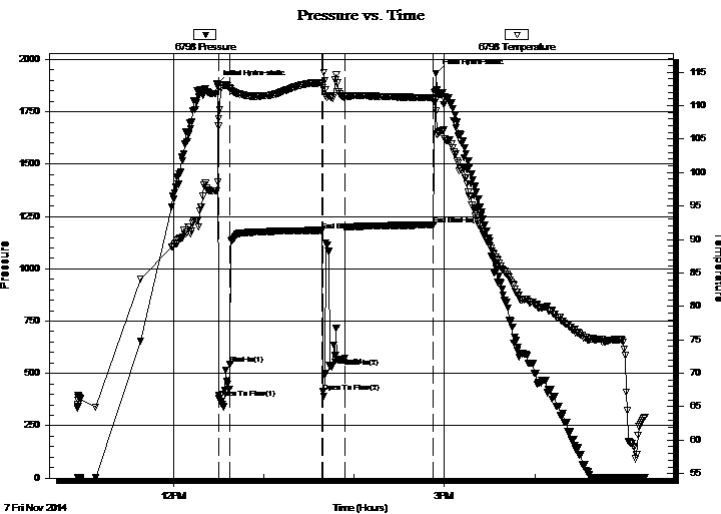
End Time:

17:13:11

Time On Btm: 2014.11.07 @ 12:28:41

Time Off Btm: 2014.11.07 @ 14:54:26

**TEST COMMENT:** IF: Strong Blow , BOB in 45 seconds  
IS: Weak Surface Blow Back  
FF: Strong Blow , BOB in 1 minnute, Approx 6 minutes in tool slid 4'  
FS: 1" Blow Back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1881.49         | 97.22        | Initial Hydro-static |
| 2           | 380.63          | 106.93       | Open To Flow (1)     |
| 9           | 543.16          | 112.53       | Shut-In(1)           |
| 70          | 1183.36         | 113.39       | End Shut-In(1)       |
| 71          | 412.71          | 112.71       | Open To Flow (2)     |
| 73          | 501.28          | 112.34       | Tool slid            |
| 86          | 573.23          | 111.24       | Shut-In(2)           |
| 144         | 1209.15         | 111.16       | End Shut-In(2)       |
| 146         | 1933.54         | 109.18       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 0.00        | 114 GIP            | 0.00         |
| 62.00       | Water              | 0.87         |
| 186.00      | Mud                | 2.61         |
| 620.00      | Water              | 8.70         |
| 320.00      | OMCW 5%O 30%M 65%W | 4.49         |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59882

**DST#: 9**

ATTN: Renee Husted

Test Start: 2014.11.07 @ 10:56:26

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3817.00 ft | Diameter: 3.80 inches | Volume: 53.54 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 30000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 90000.00 lb  |
|                           |                    |                       | <u>Total Volume: 53.54 bbl</u> | Tool Chased 9.00 ft                |
| Drill Pipe Above KB:      | 28.00 ft           |                       |                                | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 3810.00 ft         |                       |                                | Final 64000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 10.00 ft           |                       |                                |                                    |
| Tool Length:              | 31.00 ft           |                       |                                |                                    |
| Number of Packers:        | 1                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut In Tool              | 5.00         |            |          | 3794.00    |                            |
| Hydraulic tool            | 5.00         |            |          | 3799.00    |                            |
| Jars                      | 5.00         |            |          | 3804.00    |                            |
| Safety Joint              | 2.00         |            |          | 3806.00    |                            |
| Packer                    | 4.00         |            |          | 3810.00    | 21.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |            |          | 3811.00    |                            |
| Recorder                  | 0.00         | 6798       | Inside   | 3811.00    |                            |
| Recorder                  | 0.00         | 8367       | Outside  | 3811.00    |                            |
| Perforations              | 6.00         |            |          | 3817.00    |                            |
| Bullnose                  | 3.00         |            |          | 3820.00    | 10.00 Anchor Tool          |
| <b>Total Tool Length:</b> | <b>31.00</b> |            |          |            |                            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59882

**DST#: 9**

ATTN: Renee Hustead

Test Start: 2014.11.07 @ 10:56:26

### 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:

38000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbbl |
|--------------|--------------------|----------------|
| 0.00         | 114 GIP            | 0.000          |
| 62.00        | Water              | 0.870          |
| 186.00       | Mud                | 2.609          |
| 620.00       | Water              | 8.697          |
| 320.00       | OMCW 5%O 30%M 65%W | 4.489          |

Total Length: 1188.00 ft      Total Volume: 16.665 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

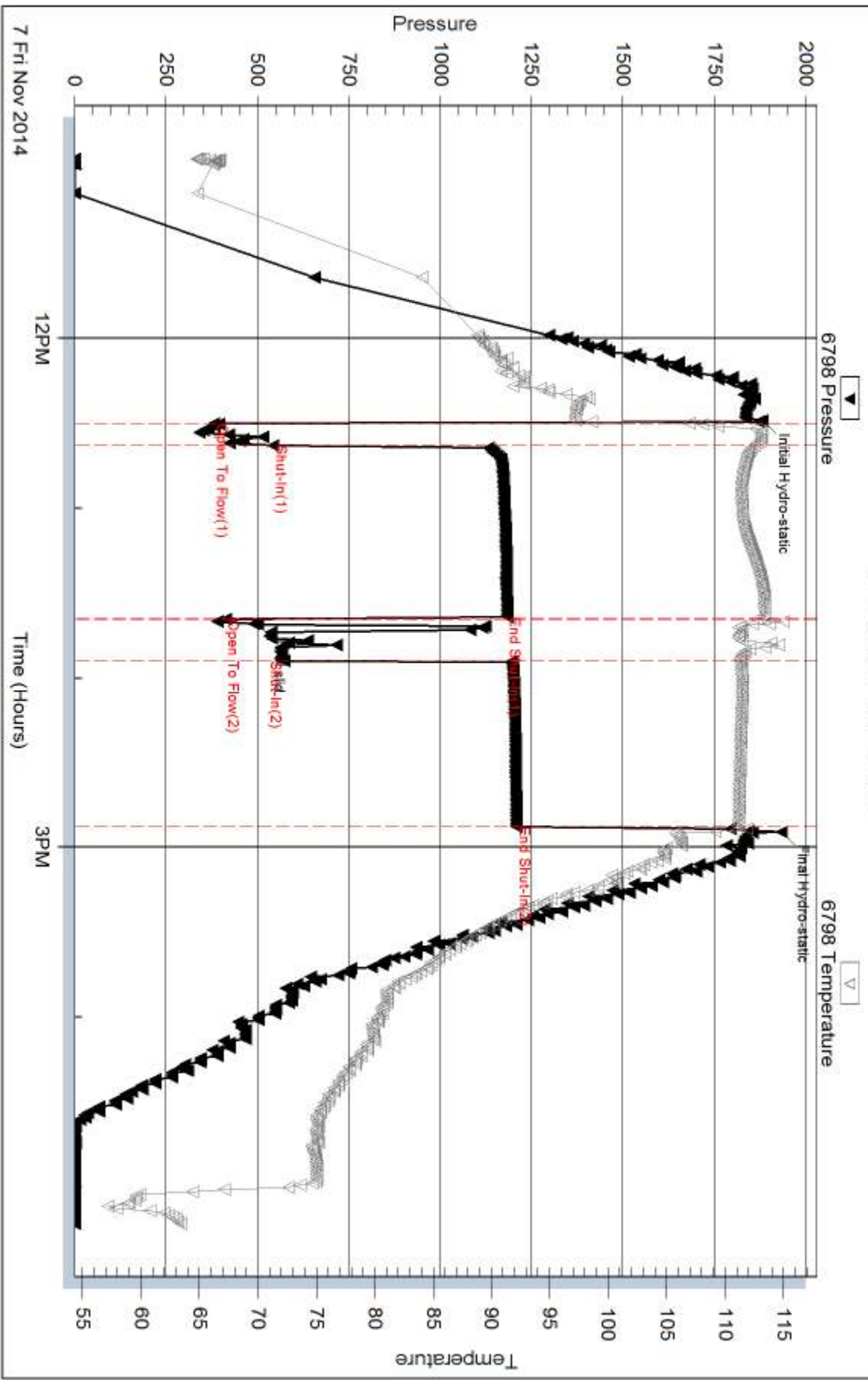
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .19 @ 70 degrees

### Pressure vs. Time

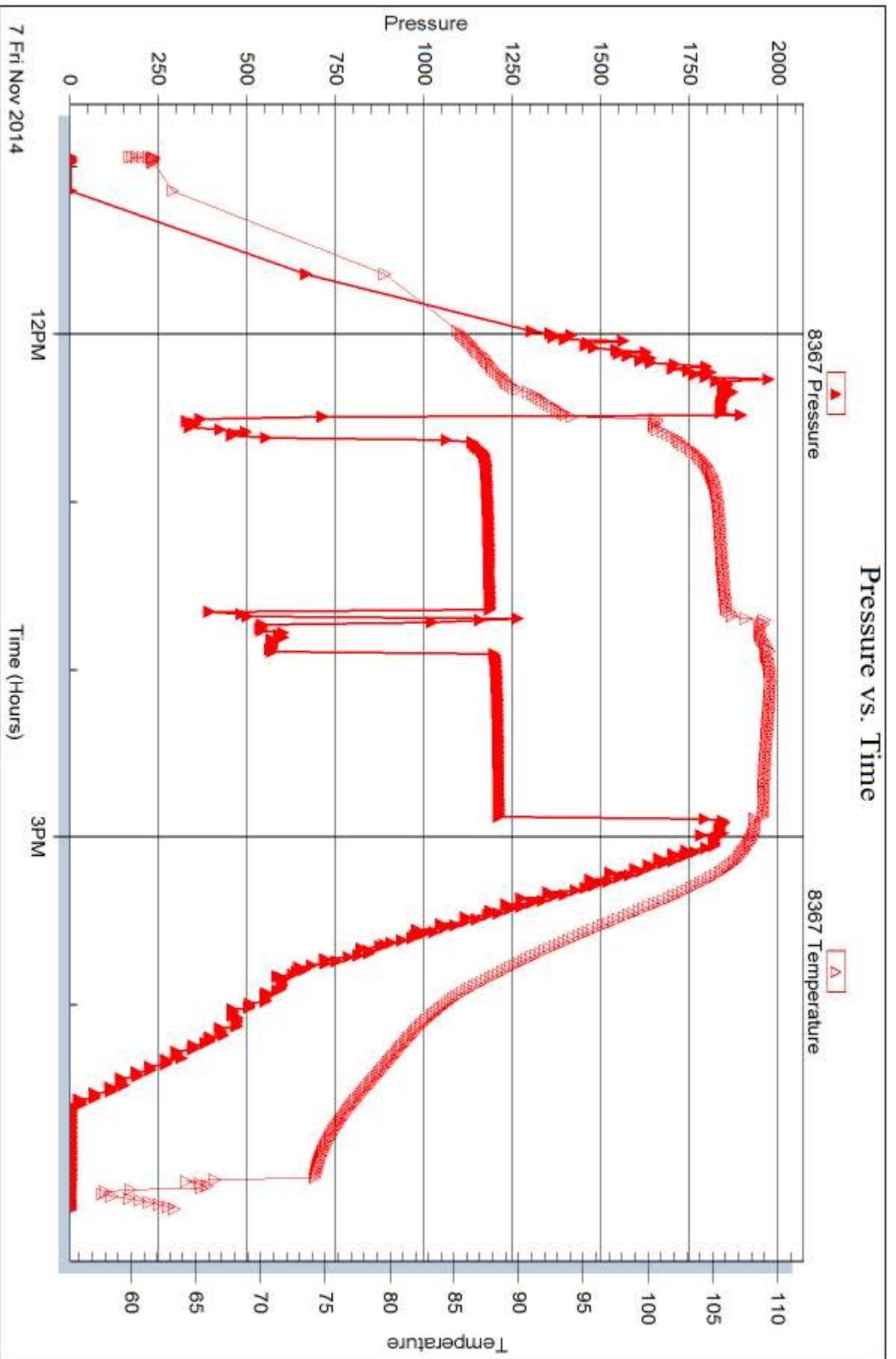


Serial #: 8367

Outside F.G.Holl Company L.L.C.

Scott Clark Jr #2-25

DST Test Number: 9



Triobite Testing, Inc

Ref. No: 59882

Printed: 2014.11.12 @ 09:57:22





## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita,KS 67206-2563

ATTN: Renee Husted

### **Scott Clark Jr #2-25**

#### **25-20s-16w Pawnee,KS**

Start Date: 2014.11.08 @ 00:38:48

End Date: 2014.11.08 @ 08:14:33

Job Ticket #: 59883                      DST #: 10

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.12 @ 09:56:55



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59883

**DST#: 10**

ATTN: Renee Husted

Test Start: 2014.11.08 @ 00:38:48

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:22:03

Time Test Ended: 08:14:33

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3810.00 ft (KB) To 3825.00 ft (KB) (TVD)**

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3825.00 ft (KB) (TVD)

2027.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 975.48 psig @ 3811.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.08

End Date:

2014.11.08

Last Calib.:

2014.11.08

Start Time: 00:38:49

End Time:

08:14:33

Time On Btm:

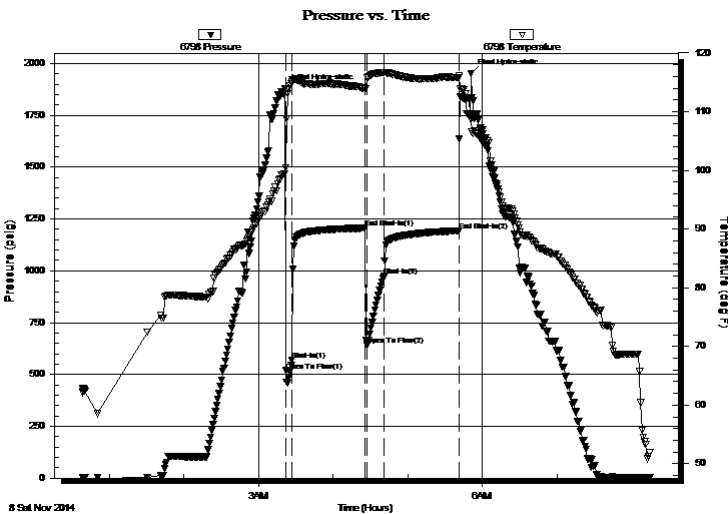
2014.11.08 @ 03:21:33

Time Off Btm:

2014.11.08 @ 05:51:03

**TEST COMMENT:** IF: Strong Blow , BOB in 30 seconds  
IS: Weak Surface Blow Back  
FF: Strong Blow , BOB in 30 seconds  
FS: No Blow Back

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1876.62         | 99.40        | Initial Hydro-static |
| 1           | 517.74          | 100.49       | Open To Flow (1)     |
| 6           | 569.39          | 115.07       | Shut-In(1)           |
| 65          | 1206.11         | 113.98       | End Shut-In(1)       |
| 66          | 641.08          | 115.73       | Open To Flow (2)     |
| 80          | 975.48          | 116.67       | Shut-In(2)           |
| 140         | 1193.41         | 115.82       | End Shut-In(2)       |
| 150         | 1952.49         | 108.63       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 2046.00     | Water              | 28.70        |
| 72.00       | SOMCW 5%O 5%M 90%W | 1.01         |
|             |                    |              |
|             |                    |              |
|             |                    |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59883

**DST#: 10**

ATTN: Renee Husted

Test Start: 2014.11.08 @ 00:38:48

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3817.00 ft | Diameter: 3.80 inches | Volume: 53.54 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 3.80 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 85000.00 lb  |
|                           |                    |                       | <u>Total Volume: 53.54 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 28.00 ft           |                       |                                | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 3810.00 ft         |                       |                                | Final 70000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 15.00 ft           |                       |                                |                                    |
| Tool Length:              | 36.00 ft           |                       |                                |                                    |
| Number of Packers:        | 1                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut In Tool              | 5.00         |            |          | 3794.00    |                            |
| Hydraulic tool            | 5.00         |            |          | 3799.00    |                            |
| Jars                      | 5.00         |            |          | 3804.00    |                            |
| Safety Joint              | 2.00         |            |          | 3806.00    |                            |
| Packer                    | 4.00         |            |          | 3810.00    | 21.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |            |          | 3811.00    |                            |
| Recorder                  | 0.00         | 6798       | Inside   | 3811.00    |                            |
| Recorder                  | 0.00         | 8367       | Outside  | 3811.00    |                            |
| Perforations              | 11.00        |            |          | 3822.00    |                            |
| Bullnose                  | 3.00         |            |          | 3825.00    | 15.00 Anchor Tool          |
| <b>Total Tool Length:</b> | <b>36.00</b> |            |          |            |                            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

F.G.Holl Company L.L.C.

**25-20s-16w Pawnee,KS**

9431 East Central Suite 100  
Wichita,KS 67206-2563

**Scott Clark Jr #2-25**

Job Ticket: 59883

**DST#: 10**

ATTN: Renee Husted

Test Start: 2014.11.08 @ 00:38:48

## 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:

36000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 15.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 57000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 2046.00      | Water              | 28.700        |
| 72.00        | SOMCW 5%O 5%M 90%W | 1.010         |

Total Length: 2118.00 ft      Total Volume: 29.710 bbl

Num Fluid Samples: 0

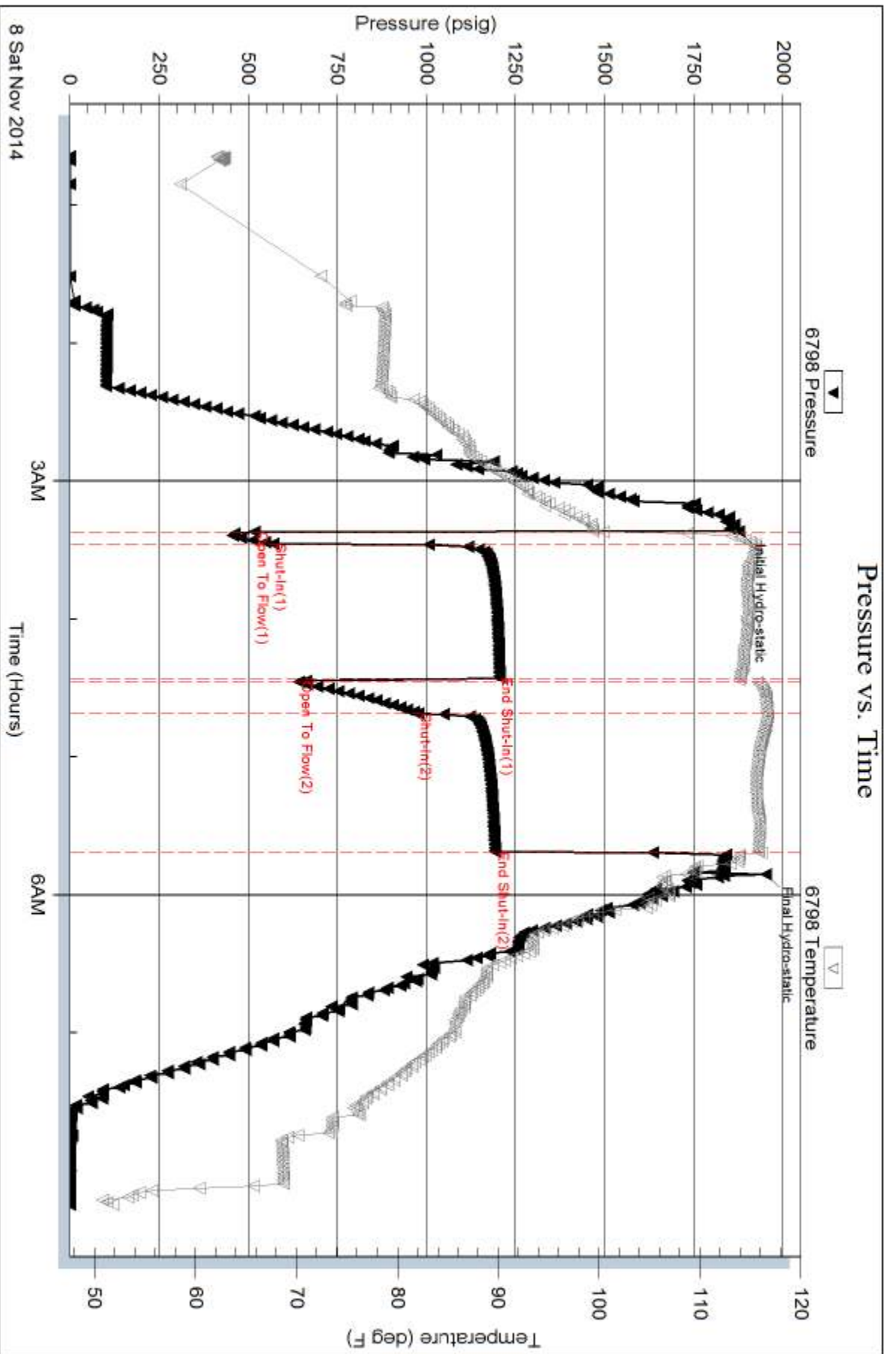
Num Gas Bombs: 0

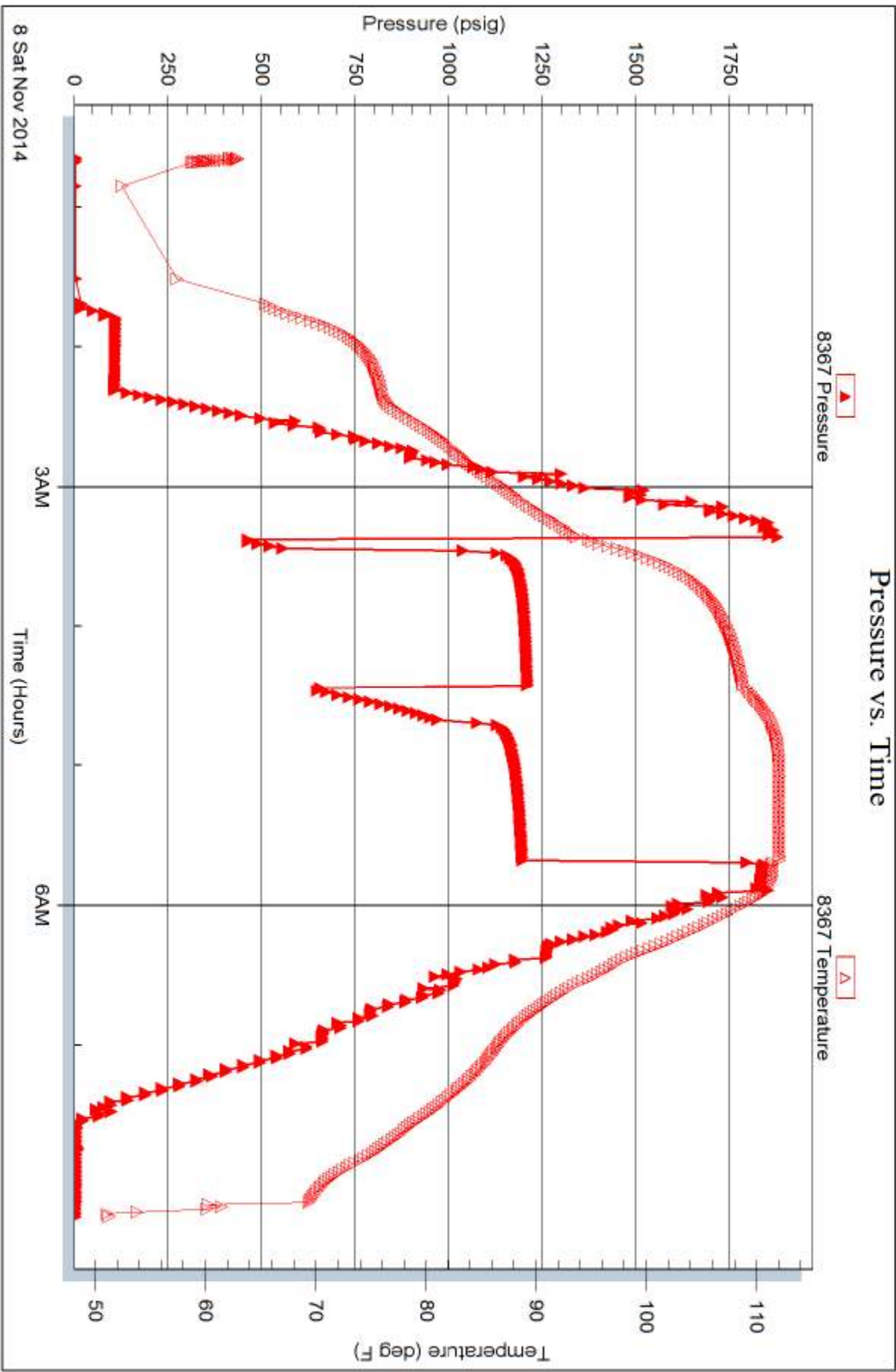
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .35 @ 40 degrees









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60391

Well Name & No. Scott Clark Jr GST Trust #2-25 Test No. 1 Date 10-30-14  
 Company F.G. Holl Company LLC Elevation 2035 KB 2027 GL  
 Address 9431 East Central Suite 100 Wichita Kansas 67206-2563  
 Co. Rep / Geo. Reverie Hustad Rig \_\_\_\_\_  
 Location: Sec. 25 Twp. 20<sup>s</sup> Rge. 16<sup>w</sup> Co. Palouse State \_\_\_\_\_

Interval Tested 1945-2015 Zone Tested HERRINGTON-KRIDER  
 Anchor Length 70 Drill Pipe Run 1907 Mud Wt. 8.9  
 Top Packer Depth 1940 Drill Collars Run NONE Vis 44  
 Bottom Packer Depth 1945 Wt. Pipe Run NONE WL 14.4  
 Total Depth 2015 Chlorides 24,500 ppm System LCM 0  
 Blow Description 1<sup>st</sup> Good blow bob in 1 minute  
2<sup>nd</sup> Strong blow bob in 1 second - Gas to surface in 3 minutes

| Rec       | Feet of             | %gas | %oil | %water | %mud |
|-----------|---------------------|------|------|--------|------|
| <u>90</u> | <u>Drilling Mud</u> |      |      |        |      |
| Rec       | Feet of             | %gas | %oil | %water | %mud |
| Rec       | Feet of             | %gas | %oil | %water | %mud |
| Rec       | Feet of             | %gas | %oil | %water | %mud |
| Rec       | Feet of             | %gas | %oil | %water | %mud |

Rec Total 90 BHT 82 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

|                         |               |  |                 |  |  |
|-------------------------|---------------|--|-----------------|--|--|
| (A) Initial Hydrostatic | <u>961</u>    | <input checked="" type="checkbox"/> Test         | <u>1150</u>     | T-On Location                                | <u>1:40 P.M.</u>   |
| (B) First Initial Flow  | <u>64</u>     | <input checked="" type="checkbox"/> Jars         | <u>250</u>      | T-Started                                    | <u>2:02 P.M.</u>   |
| (C) First Final Flow    | <u>42</u>     | <input checked="" type="checkbox"/> Safety Joint | <u>75</u>       | T-Open                                       | <u>3:20 P.M.</u>   |
| (D) Initial Shut-In     | <u>565</u>    | <input type="checkbox"/> Circ Sub                |                 | T-Pulled                                     | <u>7:40 <del>6:25</del> P.M.</u>                                   |
| (E) Second Initial Flow | <u>47</u>     | <input type="checkbox"/> Hourly Standby          |                 | T-Out  |  |
| (F) Second Final Flow   | <u>63</u>     | <input checked="" type="checkbox"/> Mileage      | <u>36</u> 55.80 | Comments                                     | <u>REVERSED TOOL ON 2<sup>ND</sup> SHUT-IN to GET A GAS SAMPLE</u> |
| (G) Final Shut-In       | <u>543</u>    | <input type="checkbox"/> Sampler                 |                 | <input type="checkbox"/> Ruined Shale Packer |  |
| (H) Final Hydrostatic   | <u>919</u>    | <input type="checkbox"/> Straddle                |                 | <input type="checkbox"/> Ruined Packer       |  |
| Initial Open            | <u>5</u>      | <input type="checkbox"/> Shale Packer            |                 | <input type="checkbox"/> Extra Copies        |  |
| Initial Shut-In         | <u>60</u>     | <input type="checkbox"/> Extra Packer            |                 | Sub Total                                    | <u>0</u>   |
| Final Flow              | <u>60 90</u>  | <input type="checkbox"/> Extra Recorder          |                 | Total  | <u>1530.80</u>   |
| Final Shut-In           | <u>60 100</u> | <input type="checkbox"/> Day Standby             |                 | MP/DST Disc't                                |  |
|                         |               | <input type="checkbox"/> Accessibility           |                 |  |  |
|                         |               | Sub Total  | <u>1530.80</u>  |  |  |

Approved By \_\_\_\_\_

Our Representative Sene Bedig

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60392

4/10

Well Name & No. Scott CLARK JR GST TRUST # 228 Test No. 2 Date 10-31-14  
 Company F.C. HOLL COMPANY LLC Elevation 2035 KB 2027 GL  
 Address 9431 EAST CENTRAL SUITE 100 WICHITA KANSAS 67206-2563  
 Co. Rep / Geo. RENEE MUSTEAD Rig DUKE DRILLING RIG #2  
 Location: Sec. 25 Twp. 20<sup>S</sup> Rge. 16<sup>W</sup> Co. PAWNEE State \_\_\_\_\_

Interval Tested 2292-2340 Zone Tested CROUSE  
 Anchor Length 48 Drill Pipe Run 2275 Mud Wt. 9.3  
 Top Packer Depth 2287 Drill Collars Run NONE Vis 40  
 Bottom Packer Depth 2292 Wt. Pipe Run NONE WL 16.0  
 Total Depth 2340 Chlorides 57000 ppm System LCM 0  
 Blow Description 1<sup>ST</sup> OPEN - WEAK SURFACE BLOW  
2<sup>ND</sup> OPEN - WEAK SURFACE BLOW

| Rec        | Feet of                     | %gas | %oil | %water | %mud |
|------------|-----------------------------|------|------|--------|------|
| <u>125</u> | <u>Slightly Gas cut mud</u> |      |      |        |      |
| Rec        | Feet of                     | %gas | %oil | %water | %mud |
| Rec        | Feet of                     | %gas | %oil | %water | %mud |
| Rec        | Feet of                     | %gas | %oil | %water | %mud |
| Rec        | Feet of                     | %gas | %oil | %water | %mud |

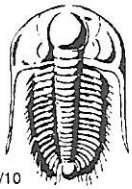
Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1210  Test 1150 T-On Location 12:30 P.M.  
 (B) First Initial Flow 67  Jars 250 T-Started 12:45 P.M.  
 (C) First Final Flow 64  Safety Joint 75 T-Open 1:46 P.M.  
 (D) Initial Shut-In 611  Circ Sub NONE T-Pulled 3:16 P.M.  
 (E) Second Initial Flow 89  Hourly Standby \_\_\_\_\_ T-Out 4:40 P.M.  
 (F) Second Final Flow 95  Mileage 36 55.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 638  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1142  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1530.80  
 Final Flow 15  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 1530.80

Approved By \_\_\_\_\_ Our Representative Gene Judy

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59876

Well Name & No. Scott Clark JR Trust 2-25 Test No. 3 Date 11/04/14  
 Company FG Holl Company Elevation 2035 KB 2027 GL  
 Address 9431 E. Central Ste 100 Wichita, KS 67206  
 Co. Rep / Geo. Renee Husted Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3685 - 3760 Zone Tested Conglomerate  
 Anchor Length 75 Drill Pipe Run 3665 Mud Wt. 9.5  
 Top Packer Depth 3680 Drill Collars Run 0 Vis 46  
 Bottom Packer Depth 3685 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3760 Chlorides 4000 ppm System LCM ☐

Blow Description IF: weak 1 inch Blow

ISI: NO Blow Back

FF: weak surface Blow, dead @ 4 minutes

FSI: NO Blow Back

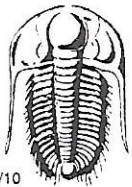
| Rec       | Feet of    | %gas | %oil | %water | %mud |
|-----------|------------|------|------|--------|------|
| <u>10</u> | <u>Mud</u> |      |      |        |      |
|           |            |      |      |        |      |
|           |            |      |      |        |      |
|           |            |      |      |        |      |
|           |            |      |      |        |      |

Rec Total 10 BHT 107 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm  
 (A) Initial Hydrostatic 1903  Test 1150 T-On Location 03:45  
 (B) First Initial Flow 22  Jars 250 T-Started 04:16  
 (C) First Final Flow 24  Safety Joint 75 T-Open 06:10  
 (D) Initial Shut-In 70  Circ Sub \_\_\_\_\_ T-Pulled 08:25  
 (E) Second Initial Flow 25  Hourly Standby \_\_\_\_\_ T-Out 10:00  
 (F) Second Final Flow 25  Mileage 1009 55.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 39  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1871  Straddle \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  
 Initial Shut-In 60  
 Final Flow 15  
 Final Shut-In 30  
 Extra Recorder \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1530.80  
 Total 1530.80  
 MP/DST Disc't \_\_\_\_\_

Approved By Renee Husted Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59877

Well Name & No. Scott Clark JR Trust 2-25 Test No. 4 Date 11/04/14  
 Company F G Holl company Elevation 2035 KB 2027 GL  
 Address 9431 E. Central Ste 100 Wichita, KS 67206  
 Co. Rep / Geo. Ryan Greenbaum Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3762 - 3770 Zone Tested Arbuckle  
 Anchor Length 8 Drill Pipe Run 3755 Mud Wt. 9.5  
 Top Packer Depth N/A Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 3762 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3770 Chlorides 3800 ppm System LCM

Blow Description TF: strong Blow, BOB in 1 minute  
ISI: 3 inch Blow Back

FF: strong Blow, BOB in 1 minute

FSD: Blow Back Built to 10 inches, GTS 110 minutes, into shut in

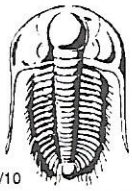
| Rec         | Feet of      | %gas      | %oil         | %water    | %mud         |
|-------------|--------------|-----------|--------------|-----------|--------------|
| <u>3147</u> | <u>GIP</u>   |           |              |           |              |
| <u>422</u>  | <u>GCO</u>   | <u>20</u> | <u>80</u>    |           |              |
| <u>62</u>   | <u>SOMCW</u> |           | <u>5</u>     | <u>90</u> | <u>5</u>     |
| <u>124</u>  | <u>Water</u> |           |              |           |              |
| Rec Total   | <u>608</u>   | BHT       | <u>115</u>   | Gravity   | <u>38.4</u>  |
|             |              | API RW    | <u>.27</u>   | @         | <u>59</u> °F |
|             |              | Chlorides | <u>38000</u> | ppm       |              |

|                         |             |  |                    |  |                           |
|-------------------------|-------------|--|--------------------|--|---------------------------|
| (A) Initial Hydrostatic | <u>1978</u> | <input checked="" type="checkbox"/> Test         | <u>1150</u>        | T-On Location                                | <u>16:00</u>              |
| (B) First Initial Flow  | <u>89</u>   | <input checked="" type="checkbox"/> Jars         | <u>250</u>         | T-Started                                    | <u>16:20</u>              |
| (C) First Final Flow    | <u>91</u>   | <input checked="" type="checkbox"/> Safety Joint | <u>75</u>          | T-Open                                       | <u>18:10</u>              |
| (D) Initial Shut-In     | <u>621</u>  | <input type="checkbox"/> Circ Sub                |                    | T-Pulled                                     | <u>22:18</u>              |
| (E) Second Initial Flow | <u>93</u>   | <input type="checkbox"/> Hourly Standby          |                    | T-Out  | <u>00:56</u>              |
| (F) Second Final Flow   | <u>259</u>  | <input checked="" type="checkbox"/> Mileage      | <u>(100)</u> 55.80 | Comments                                     | <u>Single Packer used</u> |
| (G) Final Shut-In       | <u>592</u>  | <input type="checkbox"/> Sampler                 |                    |  | <u>Motel</u>              |
| (H) Final Hydrostatic   | <u>1939</u> | <input type="checkbox"/> Straddle                |                    | <input type="checkbox"/> Ruined Shale Packer |                           |
| Initial Open            | <u>5</u>    | <input type="checkbox"/> Shale Packer            |                    | <input type="checkbox"/> Ruined Packer       |                           |
| Initial Shut-In         | <u>60</u>   | <input type="checkbox"/> Extra Packer            |                    | <input type="checkbox"/> Extra Copies        |                           |
| Final Flow              | <u>60</u>   | <input type="checkbox"/> Extra Recorder          |                    | Sub Total                                    | <u>0</u>                  |
| Final Shut-In           | <u>120</u>  | <input type="checkbox"/> Day Standby             |                    | Total  | <u>1530.80</u>            |
|                         |             | <input type="checkbox"/> Accessibility           |                    | MP/DST Disc't                                |                           |
|                         |             | Sub Total  | <u>1530.80</u>     |  |                           |

Approved By [Signature] Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59878

Well Name & No. SCOTT Clark JR TRUST 2-25 Test No. 5 Date 11/05/14  
 Company FG Holl company Elevation 2035 KB 2027 GL  
 Address 9431 E. central Ste 100 Wichita, KS 67206  
 Co. Rep / Geo. Ryan Greenbaum Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3772 - 3780 Zone Tested Arbuckle  
 Anchor Length 8 Drill Pipe Run 3755 Mud Wt. 9.6  
 Top Packer Depth N/A Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 3772 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3780 Chlorides 3800 ppm System LCM  
 Blow Description IF. Packer Failure, Tried to reset, Failed again, Pulled TEST

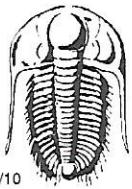
| Rec        | Feet of         | %gas | %oil | %water | %mud |
|------------|-----------------|------|------|--------|------|
| <u>450</u> | <u>Drig Mud</u> |      |      |        |      |
| Rec        | Feet of         | %gas | %oil | %water | %mud |
| Rec        | Feet of         | %gas | %oil | %water | %mud |
| Rec        | Feet of         | %gas | %oil | %water | %mud |
| Rec        | Feet of         | %gas | %oil | %water | %mud |

Rec Total 450 BHT 104 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>1968</u> | <input checked="" type="checkbox"/> Test <u>1150</u>                | T-On Location <u>07:45</u>                   |
| (B) First Initial Flow <u>503</u>   | <input checked="" type="checkbox"/> Jars <u>250</u>                 | T-Started <u>08:00</u>                       |
| (C) First Final Flow <u>N/A</u>     | <input checked="" type="checkbox"/> Safety Joint <u>75</u>          | T-Open <u>09:58</u>                          |
| (D) Initial Shut-In <u>N/A</u>      | <input type="checkbox"/> Circ Sub                                   | T-Pulled <u>09:58</u>                        |
| (E) Second Initial Flow <u>N/A</u>  | <input type="checkbox"/> Hourly Standby                             | T-Out <u>11:41</u>                           |
| (F) Second Final Flow <u>N/A</u>    | <input checked="" type="checkbox"/> Mileage <u>100</u> <u>55.80</u> | Comments <u>Single Packer</u>                |
| (G) Final Shut-In <u>N/A</u>        | <input type="checkbox"/> Sampler                                    | <u>NOTE</u>                                  |
| (H) Final Hydrostatic <u>1918</u>   | <input type="checkbox"/> Straddle                                   | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>N/A</u>             | <input type="checkbox"/> Shale Packer                               | <input type="checkbox"/> Ruined Packer       |
| Initial Shut-In <u>N/A</u>          | <input type="checkbox"/> Extra Packer                               | <input type="checkbox"/> Extra Copies        |
| Final Flow <u>N/A</u>               | <input type="checkbox"/> Extra Recorder                             | Sub Total <u>0</u>                           |
| Final Shut-In <u>N/A</u>            | <input type="checkbox"/> Day Standby                                | Total <u>1530.80</u>                         |
|                                     | <input type="checkbox"/> Accessibility                              | MP/DST Disc't                                |
|                                     | Sub Total <u>1530.80</u>  |  |

Approved By \_\_\_\_\_ Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59879

Well Name & No. Scott Clark JR Trust 2-25 Test No. 6 Date 11/05/14  
 Company FG Heli Company Elevation 2035 KB 2027 GL  
 Address 9431 E Central Ste 100 Wichita, KS 67206  
 Co. Rep / Geo. Ryan Greenbaum Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3769 - 3780 Zone Tested Arbuckle  
 Anchor Length 11 Drill Pipe Run 3755 Mud Wt. 9.6  
 Top Packer Depth N/A Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 3769 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3780 Chlorides 3800 ppm System LCM

Blow Description IF: strong blow, BOB in 2 minutes  
IST: weak surface Blow Back  
RF: Strong Blow, BOB in 3 minutes  
FSI: 11 inch Blow Back

| Rec                  | Feet of      | %gas     | %oil      | %water    | %mud      |
|----------------------|--------------|----------|-----------|-----------|-----------|
| <u>650</u>           | <u>GIP</u>   |          |           |           |           |
| <u>30</u>            | <u>GWOCM</u> | <u>5</u> | <u>30</u> | <u>20</u> | <u>45</u> |
| <u>248</u>           | <u>OMCW</u>  |          | <u>8</u>  | <u>82</u> | <u>10</u> |
| <u>434</u>           | <u>water</u> |          |           |           |           |
| <u><del>70</del></u> |              |          |           |           |           |

Rec Total 712 BHT 114 Gravity N/C API RW .2 @ 63 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 1929  
 (B) First Initial Flow 68  
 (C) First Final Flow 92  
 (D) Initial Shut-In 640 ~~640~~  
 (E) Second Initial Flow 112 ~~112~~  
 (F) Second Final Flow 331 ~~331~~  
 (G) Final Shut-In 613 ~~613~~  
 (H) Final Hydrostatic 1876

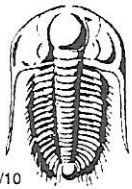
- Test 1150
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1475

T-On Location 11:00  
 T-Started 12:00  
 T-Open 13:14  
 T-Pulled 16:33  
 T-Out 18:40  
 Comments Single Packer Motel  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1475  
 MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59880

Well Name & No. Scott Clark JR Trust 2-25 Test No. 7 Date 11/06/14  
 Company EG Holl company Elevation 2035 KB 2027 GL  
 Address 9431 E Central St E 100 Wichita, KS 67206  
 Co. Rep / Geo. Ryan Greenbaum Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3780 - 3790 Zone Tested Arbuckle  
 Anchor Length 10 Drill Pipe Run 3786 Mud Wt. 9.5  
 Top Packer Depth N/A Drill Collars Run 0 Vis 44  
 Bottom Packer Depth 3780 Wt. Pipe Run 0 WL 10.4  
 Total Depth 3790 Chlorides 5200 ppm System LCM

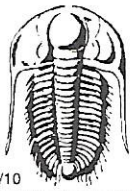
Blow Description IF: Strong Blow, BOB in 30 seconds  
ISL: Weak Surface Blow Back  
FF: Strong Blow, BOB in 30 seconds  
FSI: NO Blow Back

| Rec         | Feet of      | %gas           | %oil               | %water                           | %mud                       |
|-------------|--------------|----------------|--------------------|----------------------------------|----------------------------|
| <u>2046</u> | <u>water</u> |                |                    |                                  |                            |
| Rec         | Feet of      | %gas           | %oil               | %water                           | %mud                       |
| Rec         | Feet of      | %gas           | %oil               | %water                           | %mud                       |
| Rec         | Feet of      | %gas           | %oil               | %water                           | %mud                       |
| Rec         | Feet of      | %gas           | %oil               | %water                           | %mud                       |
| Rec Total   | <u>2046</u>  | BHT <u>117</u> | Gravity <u>N/C</u> | API RW <u>100</u> @ <u>57</u> °F | Chlorides <u>48000</u> ppm |

|                         |             |  |              |  |   |
|-------------------------|-------------|--|--------------|--|---|
| (A) Initial Hydrostatic | <u>1885</u> | <input checked="" type="checkbox"/> Test                 | <u>1150</u>  | T-On Location                                | <u>00:45</u>                              |
| (B) First Initial Flow  | <u>253</u>  | <input checked="" type="checkbox"/> Jars                 | <u>250</u>   | T-Started                                    | <u>01:18</u>                              |
| (C) First Final Flow    | <u>410</u>  | <input checked="" type="checkbox"/> Safety Joint         | <u>75</u>    | T-Open                                       | <u>03:49</u>                              |
| (D) Initial Shut-In     | <u>1037</u> | <input type="checkbox"/> Circ Sub                        |              | T-Pulled                                     | <u>07:10</u>                              |
| (E) Second Initial Flow | <u>496</u>  | <input type="checkbox"/> Hourly Standby                  |              | T-Out  | <u>09:16</u>                              |
| (F) Second Final Flow   | <u>906</u>  | <input checked="" type="checkbox"/> Mileage <u>(100)</u> | <u>55.80</u> | Comments                                     | <u>Single Packer used</u><br><u>note!</u> |
| (G) Final Shut-In       | <u>1016</u> | <input type="checkbox"/> Sampler                         |              | <input type="checkbox"/> Ruined Shale Packer |   |
| (H) Final Hydrostatic   | <u>1852</u> | <input type="checkbox"/> Straddle                        |              | <input type="checkbox"/> Ruined Packer       |   |

|                 |                |   |  |                                       |                |
|-----------------|----------------|---|--|---------------------------------------|----------------|
| Initial Open    | <u>5</u>       | <input type="checkbox"/> Extra Packer   |  | <input type="checkbox"/> Extra Copies |                |
| Initial Shut-In | <u>60</u>      | <input type="checkbox"/> Extra Recorder |  | Sub Total                             | <u>0</u>       |
| Final Flow      | <u>415</u>     | <input type="checkbox"/> Day Standby    |  | Total                                 | <u>1530.80</u> |
| Final Shut-In   | <u>90</u>      | <input type="checkbox"/> Accessibility  |  | MP/DST Disc't                         |                |
| Sub Total       | <u>1530.80</u> |   |  |                                       |                |

Approved By \_\_\_\_\_ Our Representative [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59881

Well Name & No. Scott Clark JR Trust 2-25 Test No. 8 Date 11/06/14  
 Company FG Holl company Elevation 2035 KB 2027 GL  
 Address 9431 E Central ste 100 Wichita, KS 67206  
 Co. Rep / Geo. Ryan Greenbaum Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3790 - 3805 Zone Tested Arbuckle  
 Anchor Length 15 Drill Pipe Run 3786 Mud Wt. 9.3  
 Top Packer Depth N/A Drill Collars Run 0 Vis 61  
 Bottom Packer Depth 3790 Wt. Pipe Run 0 WL 7.6  
 Total Depth 3705 Chlorides 4606 ppm System LCM

Blow Description IF: strong Blow, BOB in 20 seconds  
ISF: weak surface Blow Back  
FF: strong Blow, BOB in 20 seconds  
FSI: NO Blow Back

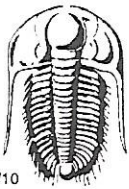
| Rec         | Feet of      | %gas     | %oil | %water    | %mud      |
|-------------|--------------|----------|------|-----------|-----------|
| <u>206</u>  | <u>6 MCW</u> | <u>2</u> |      | <u>78</u> | <u>20</u> |
| <u>2294</u> | <u>water</u> |          |      |           |           |
|             |              |          |      |           |           |
|             |              |          |      |           |           |
|             |              |          |      |           |           |

Rec Total 2500 BHT 116 Gravity N/C API RW 21 @ 60 ° F Chlorides 40000 ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1923</u> | <input checked="" type="checkbox"/> Test <u>1150</u>         | T-On Location <u>15:45</u>                   |
| (B) First Initial Flow <u>959</u>   | <input checked="" type="checkbox"/> Jars <u>250</u>          | T-Started <u>16:03</u>                       |
| (C) First Final Flow <u>996</u>     | <input checked="" type="checkbox"/> Safety Joint <u>75</u>   | T-Open <u>18:15</u>                          |
| (D) Initial Shut-In <u>1124</u>     | <input type="checkbox"/> Circ Sub                            | T-Pulled <u>20:48</u>                        |
| (E) Second Initial Flow <u>1033</u> | <input type="checkbox"/> Hourly Standby                      | T-Out <u>23:24</u>                           |
| (F) Second Final Flow <u>1108</u>   | <input checked="" type="checkbox"/> Mileage <u>100</u> 55.80 | Comments <u>Single packer</u>                |
| (G) Final Shut-In <u>1119</u>       | <input type="checkbox"/> Sampler                             | <u>MOTEL</u>                                 |
| (H) Final Hydrostatic <u>1871</u>   | <input type="checkbox"/> Straddle                            | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>5</u>               | <input type="checkbox"/> Shale Packer                        | <input type="checkbox"/> Ruined Packer       |
| Initial Shut-In <u>60</u>           | <input type="checkbox"/> Extra Packer                        | <input type="checkbox"/> Extra Copies        |
| Final Flow <u>30</u>                | <input type="checkbox"/> Extra Recorder                      | Sub Total <u>0</u>                           |
| Final Shut-In <u>60</u>             | <input type="checkbox"/> Day Standby                         | Total <u>1530.80</u>                         |
|                                     | <input type="checkbox"/> Accessibility                       | MP/DST Disc't                                |
|                                     | Sub Total <u>1530.80</u>                                     |  |

Approved By \_\_\_\_\_ Our Representative [Signature]  
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59882

Well Name & No. Scott Clark JR Trust 2-25 Test No. 9 Date 11/07/14  
 Company EG Holl company Elevation 2035 KB 2027 GL  
 Address 9431 E Central Ste 100 Wichita, KS 67206  
 Co. Rep / Geo. Ryan Greenbaum Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3810 - ~~3820~~ Zone Tested Arbuckle  
 Anchor Length 10 Drill Pipe Run 3817 Mud Wt. 9.1  
 Top Packer Depth N/A Drill Collars Run 0 Vis 47  
 Bottom Packer Depth 3810 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3820 Chlorides 4600 ppm System LCM

Blow Description IFi Strong Blow, BOB in 45 seconds  
ISI: weak surface Blow Back  
EFI: Strong Blow, BOB in 1 minute, approx 6 minutes in Tool slid 4 feet  
FSI: 1 inch Blow Back

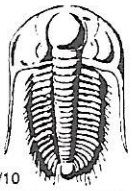
| Rec        | Feet of      | %gas | %oil     | %water    | %mud      |
|------------|--------------|------|----------|-----------|-----------|
| <u>114</u> | <u>GTP</u>   |      |          |           |           |
| <u>320</u> | <u>OMCW</u>  |      | <u>5</u> | <u>65</u> | <u>30</u> |
| <u>620</u> | <u>Water</u> |      |          |           |           |
| <u>186</u> | <u>Mud</u>   |      |          |           |           |
| <u>62</u>  | <u>Water</u> |      |          |           |           |

Rec Total 1188 BHT 111 Gravity N/C API RW .19 @ 70 ° F Chlorides 38,000 ppm  
 Test 1150  
 Jars 250  
 Safety Joint 75  
 Circ Sub  
 Hourly Standby  
 Mileage 1000 55.80  
 Sampler  
 Straddle  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total 1530.80

T-On Location 10:45  
 T-Started 10:56  
 T-Open 12:29  
 T-Pulled 14:52  
 T-Out 17:13  
 Comments Single Packer  
MOTEL  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1530.80  
 MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59883

Well Name & No. Scott Clark JR Trust 2-25 Test No. 10 Date 11/08/14  
 Company FG Holl Company Elevation 2075 KB 2027 GL  
 Address 9431 E. Central Ste 100 Wichita, KS 67206  
 Co. Rep / Geo. Ryan Greenbaum Rig Duke 2  
 Location: Sec. 25 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3810 - 3825 Zone Tested Arbuckle  
 Anchor Length 15 Drill Pipe Run 3817 Mud Wt. 9.4  
 Top Packer Depth N/A Drill Collars Run 0 Vis 50  
 Bottom Packer Depth 3810 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3825 Chlorides 4600 ppm System LCM

Blow Description IF: strong Blow, BOB in 30 seconds  
ISI: weak surface Blow Back  
FF: strong Blow, BOB in 30 seconds  
FSI: No Blow Back

| Rec         | Feet of      | %gas | %oil     | %water    | %mud     |
|-------------|--------------|------|----------|-----------|----------|
| <u>72</u>   | <u>50mcw</u> |      | <u>5</u> | <u>90</u> | <u>5</u> |
| <u>2046</u> | <u>water</u> |      |          |           |          |
| Rec         | Feet of      | %gas | %oil     | %water    | %mud     |
| Rec         | Feet of      | %gas | %oil     | %water    | %mud     |
| Rec         | Feet of      | %gas | %oil     | %water    | %mud     |

Rec Total 2118 BHT 116 Gravity N/C API RW .35 @ 40 ° F Chlorides 3600 ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1877</u> | <input checked="" type="checkbox"/> Test <u>1150</u>           | T-On Location <u>00:15</u>                   |
| (B) First Initial Flow <u>518</u>   | <input checked="" type="checkbox"/> Jars <u>250</u>            | T-Started <u>00:38</u>                       |
| (C) First Final Flow <u>569</u>     | <input checked="" type="checkbox"/> Safety Joint <u>75</u>     | T-Open <u>03:22</u>                          |
| (D) Initial Shut-In <u>1206</u>     | <input type="checkbox"/> Circ Sub                              | T-Pulled <u>05:41</u>                        |
| (E) Second Initial Flow <u>641</u>  | <input type="checkbox"/> Hourly Standby                        | T-Out <u>08:14</u>                           |
| (F) Second Final Flow <u>975</u>    | <input checked="" type="checkbox"/> Mileage <u>(100)</u> 55.80 | Comments <u>single packer</u>                |
| (G) Final Shut-In <u>1193</u>       | <input type="checkbox"/> Sampler                               | <u>NOTE</u>                                  |
| (H) Final Hydrostatic <u>1952</u>   | <input type="checkbox"/> Straddle                              | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>5</u>               | <input type="checkbox"/> Shale Packer                          | <input type="checkbox"/> Ruined Packer       |
| Initial Shut-In <u>60</u>           | <input type="checkbox"/> Extra Packer                          | <input type="checkbox"/> Extra Copies        |
| Final Flow <u>15</u>                | <input type="checkbox"/> Extra Recorder                        | Sub Total <u>0</u>                           |
| Final Shut-In <u>60</u>             | <input type="checkbox"/> Day Standby                           | Total <u>1530.80</u>                         |
|                                     | <input type="checkbox"/> Accessibility                         | MP/DST Disc't                                |
|                                     | Sub Total <u>1530.80</u>                                       |  |

Approved By \_\_\_\_\_ Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.