



## DRILL STEM TEST REPORT

Prepared For: **Caerus Kansas, LLC**

PO Box 1378  
Hays, KS. 67601

ATTN: Justin Carter

**Mortimer #31-32B**

**31-17s-13w-Barton**

Start Date: 2012.08.16 @ 06:57:29

End Date: 2012.08.16 @ 12:45:44

Job Ticket #: 47845                      DST #: 2

Trilobite Testing, Inc

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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Caerus Kansas, LLC

**31-17s-13w-Barton**

PO Box 1378  
Hays, KS. 67601

**Mortimer #31-32B**

Job Ticket: 47845

**DST#: 2**

ATTN: Justin Carter

Test Start: 2012.08.16 @ 06:57:29

## GENERAL INFORMATION:

Formation: **D-E-F**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 09:02:44

Time Test Ended: 12:45:44

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

**Interval: 3168.00 ft (KB) To 3204.00 ft (KB) (TVD)**

Reference Elevations: 1870.00 ft (KB)

Total Depth: 3204.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8366**

**Inside**

Press @ Run Depth: 16.61 psig @ 3171.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.16

End Date:

2012.08.16

Last Calib.:

2012.08.16

Start Time: 06:57:31

End Time:

12:45:44

Time On Btm:

2012.08.16 @ 09:02:29

Time Off Btm:

2012.08.16 @ 11:06:14

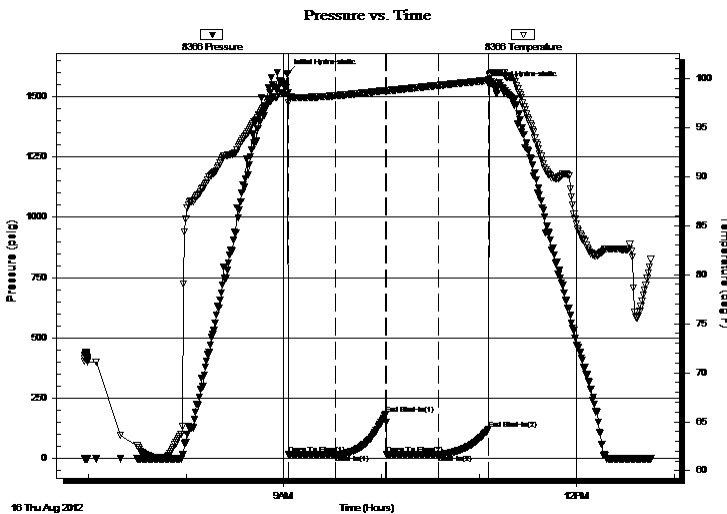
TEST COMMENT: IFP-Weak Blow , Died in 10 Min.

ISI-Dead

FFP-Dead

FSI-Dead

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1593.90         | 98.54        | Initial Hydro-static |
| 1           | 16.26           | 97.53        | Open To Flow (1)     |
| 30          | 17.31           | 98.23        | Shut-In(1)           |
| 60          | 183.68          | 98.78        | End Shut-In(1)       |
| 61          | 16.28           | 98.71        | Open To Flow (2)     |
| 93          | 16.61           | 99.28        | Shut-In(2)           |
| 124         | 120.91          | 99.81        | End Shut-In(2)       |
| 124         | 1544.71         | 100.31       | Final Hydro-static   |

## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 2.00        | Drilling Mud | 0.03         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

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**FLUID SUMMARY**

Caerus Kansas, LLC

**31-17s-13w-Barton**

PO Box 1378  
Hays, KS. 67601

**Mortimer #31-32B**

Job Ticket: 47845

**DST#: 2**

ATTN: Justin Carter

Test Start: 2012.08.16 @ 06:57:29

## 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbbl |
|--------------|--------------|----------------|
| 2.00         | Drilling Mud | 0.028          |

Total Length: 2.00 ft      Total Volume: 0.028 bbl

Num Fluid Samples: 0

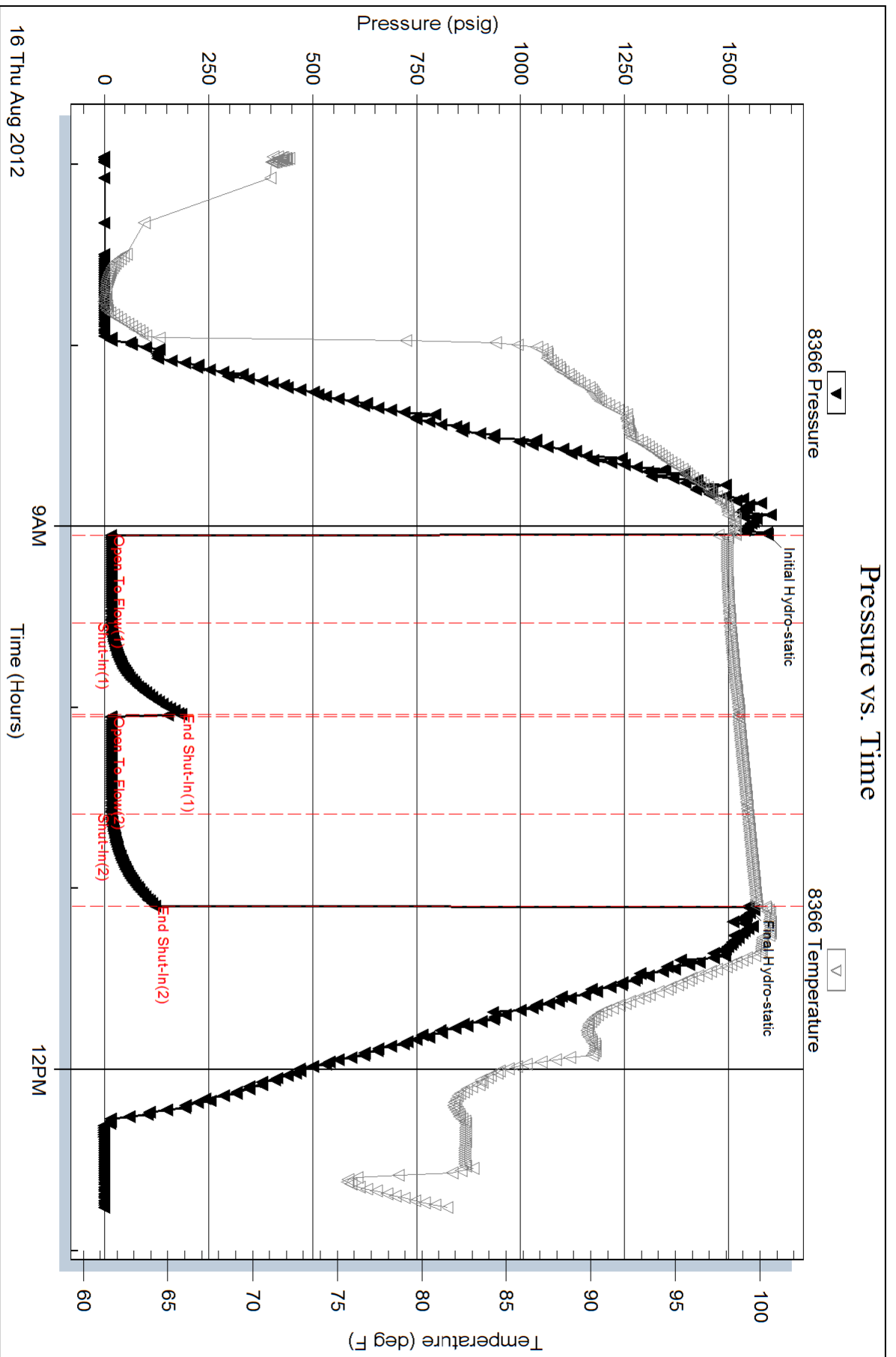
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8289

Outside Caerus Kansas, LLC

Mortimer #31-32B

DST Test Number: 2

