



## DRILL STEM TEST REPORT

Prepared For: **Caerus Ks. LLC**

P.O.Box 1378  
Hays Ks.67601

ATTN: Justin Carter

**Mortimer#31-41**

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

Start Date: 2012.07.30 @ 03:58:58

End Date: 2012.07.30 @ 11:12:58

Job Ticket #: 47588                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.30 @ 11:25:50



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Caerus Ks. LLC

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

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Hays Ks.67601

**Mortimer#31-41**

Job Ticket: 47588

**DST#: 4**

ATTN: Justin Carter

Test Start: 2012.07.30 @ 03:58:58

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:35:13

Time Test Ended: 11:12:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

**Interval: 3388.00 ft (KB) To 3398.00 ft (KB) (TVD)**

Reference Elevations: 1880.00 ft (KB)

Total Depth: 3398.00 ft (KB) (TVD)

1870.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8352 Outside**

Press @ RunDepth: 43.64 psig @ 3389.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.30

End Date:

2012.07.30

Last Calib.:

2012.07.30

Start Time:

03:59:03

End Time:

11:12:57

Time On Btm:

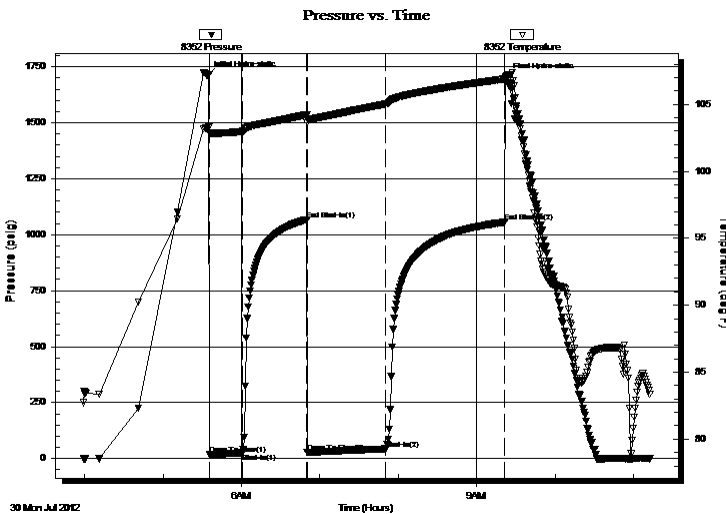
2012.07.30 @ 05:33:58

Time Off Btm:

2012.07.30 @ 09:22:43

TEST COMMENT: IF:Weak blow . 1/4 - 1".  
IS:No blow .  
FF:Weak blow . 1/4 - 1/2".  
FS:No blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.56	103.26	Initial Hydro-static
2	18.79	102.85	Open To Flow (1)
27	25.70	102.98	Shut-In(1)
76	1066.95	104.24	End Shut-In(1)
77	27.22	103.66	Open To Flow (2)
137	43.64	105.04	Shut-In(2)
228	1055.71	106.90	End Shut-In(2)
229	1698.87	107.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Clean oil	0.01
60.00	MW 9% m 91% w /Rw .14ohms @88deg	0.84

\* Recovery from multiple tests

## Gas Rates

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



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Reference Elevations: 1880.00 ft (KB)

Total Depth: 3398.00 ft (KB) (TVD)

1870.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8370 Inside**

Press @ RunDepth: psig @ 3389.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.30 End Date: 2012.07.30

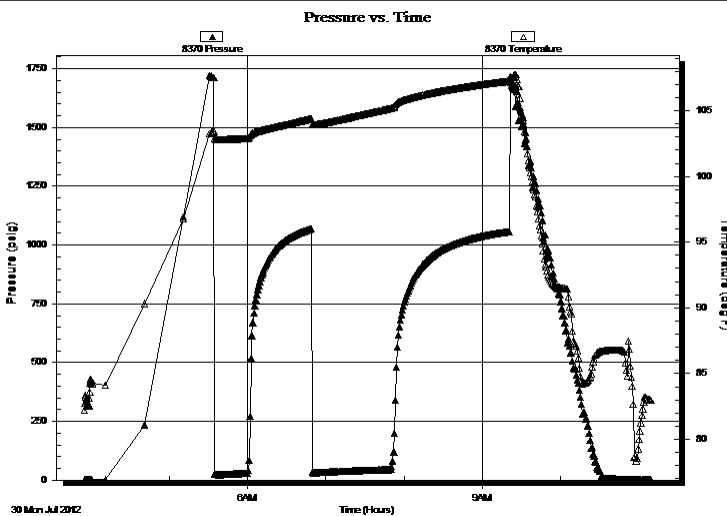
Last Calib.: 2012.07.30

Start Time: 03:54:50 End Time: 11:09:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Weak blow . 1/4 - 1".  
IS:No blow .  
FF:Weak blow . 1/4 - 1/2".  
FS:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Clean oil	0.01
60.00	MW 9% <sub>m</sub> 91% <sub>w</sub> /Rw .14ohms @88deg	0.84

## Gas Rates

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

\* Recovery from multiple tests



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Caerus Ks. LLC

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

P.O.Box 1378  
Hays Ks.67601

**Mortimer#31-41**

Job Ticket: 47588

**DST#: 4**

ATTN: Justin Carter

Test Start: 2012.07.30 @ 03:58:58

## 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:

42000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	Clean oil	0.014
60.00	MW 9% <sub>m</sub> 91% <sub>w</sub> /Rw .14ohms @88deg	0.842

Total Length: 61.00 ft

Total Volume: 0.856 bbl

Num Fluid Samples: 0

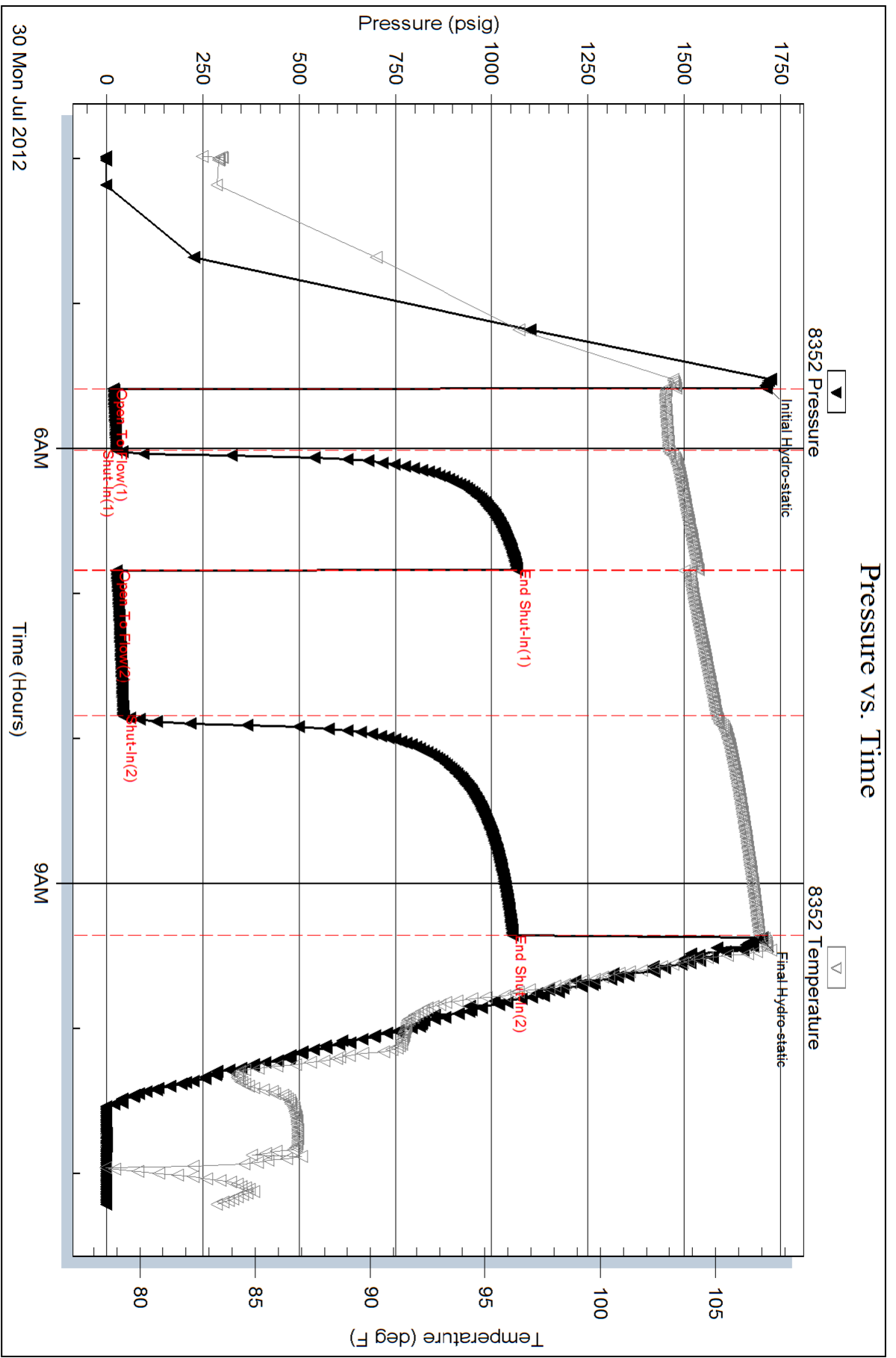
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8370

Inside

Caerus Ks. LLC

Mortimer#31-41

DST Test Number: 4

