



DRILL STEM TEST REPORT

Prepared For: **Caerus Kansas LLC**

PO Box 1378
Hays, KS 67601

ATTN: Justin Carter

Lacey 20-13

20-17S-13W Barton

Start Date: 2012.08.06 @ 23:39:49

End Date: 2012.08.07 @ 05:59:04

Job Ticket #: 49556 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.07 @ 08:08:49



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Caerus Kansas LLC
 PO Box 1378
 Hays, KS 67601
 ATTN: Justin Carter

20-17S-13W Barton
Lacey 20-13
 Job Ticket: 49556 **DST#: 2**
 Test Start: 2012.08.06 @ 23:39:49

GENERAL INFORMATION:

Formation: **Lansing "H, I, & J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:19:19
 Time Test Ended: 05:59:04
 Interval: **3331.00 ft (KB) To 3394.00 ft (KB) (TVD)**
 Total Depth: 3394.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 45
 Reference Elevations: 1955.00 ft (KB)
 1945.00 ft (CF)
 KB to GR/CF: 10.00 ft

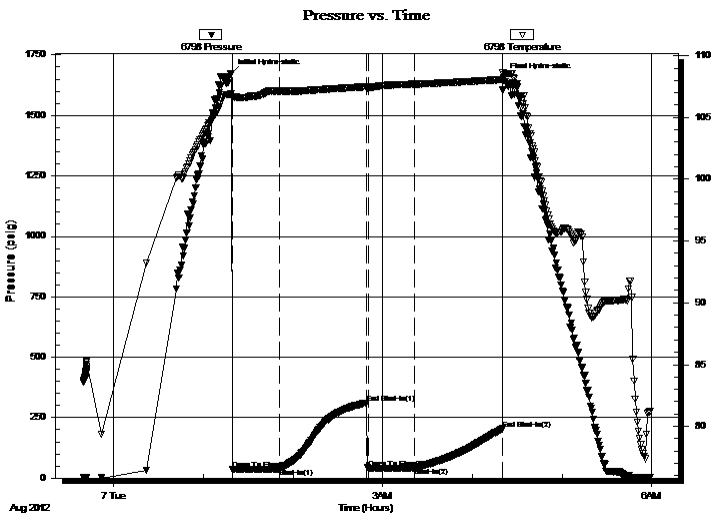
Serial #: 6798

Inside

Press @ Run Depth: 42.81 psig @ 3332.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.06 End Date: 2012.08.07 Last Calib.: 2012.08.07
 Start Time: 23:39:50 End Time: 05:59:04 Time On Btm: 2012.08.07 @ 01:18:49
 Time Off Btm: 2012.08.07 @ 04:20:49

TEST COMMENT: IF: Weak Surface Blow , Dead @ 25 minutes
 IS: No Blow Back
 FF: Weak Surface Blow , Dead @ 21 minutes
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.18	106.95	Initial Hydro-static
1	35.66	106.58	Open To Flow (1)
32	39.95	107.13	Shut-In(1)
91	311.54	107.49	End Shut-In(1)
92	40.51	107.41	Open To Flow (2)
123	42.81	107.69	Shut-In(2)
182	203.79	108.07	End Shut-In(2)
182	1654.48	108.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 5% O 95%M	0.28

* Recovery from multiple tests

Gas Rates

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



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20-17S-13W Barton

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Lacey 20-13

Job Ticket: 49556

DST#: 2

ATTN: Justin Carter

Test Start: 2012.08.06 @ 23:39:49

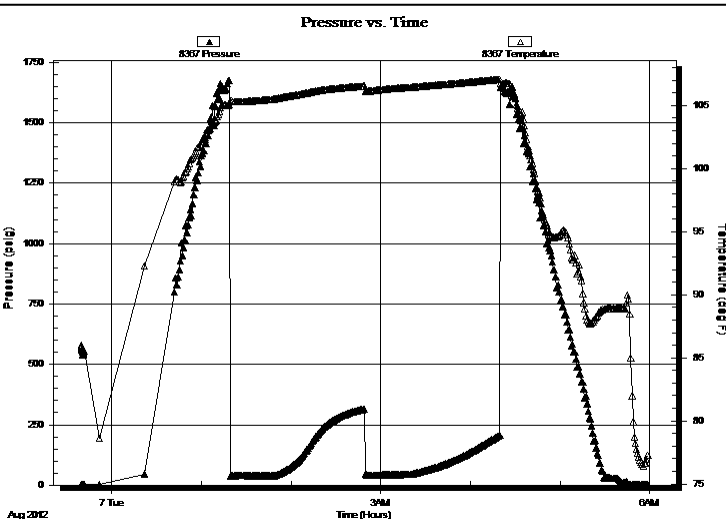
GENERAL INFORMATION:

Formation: **Lansing "H, I, & J"**
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 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 45
 Reference Elevations: 1955.00 ft (KB)
 1945.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8367 **Outside**

Press @ Run Depth: psig @ 3332.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.06 End Date: 2012.08.07 Last Calib.: 2012.08.07
 Start Time: 23:39:50 End Time: 05:59:04 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak Surface Blow , Dead @ 25 minutes
 IS: No Blow Back
 FF: Weak Surface Blow , Dead @ 21 minutes
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 5% O 95%M	0.28

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Caerus Kansas LLC

20-17S-13W Barton

PO Box 1378
Hays, KS 67601

Lacey 20-13

Job Ticket: 49556

DST#: 2

ATTN: Justin Carter

Test Start: 2012.08.06 @ 23:39:49

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SOCM 5% O 95%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

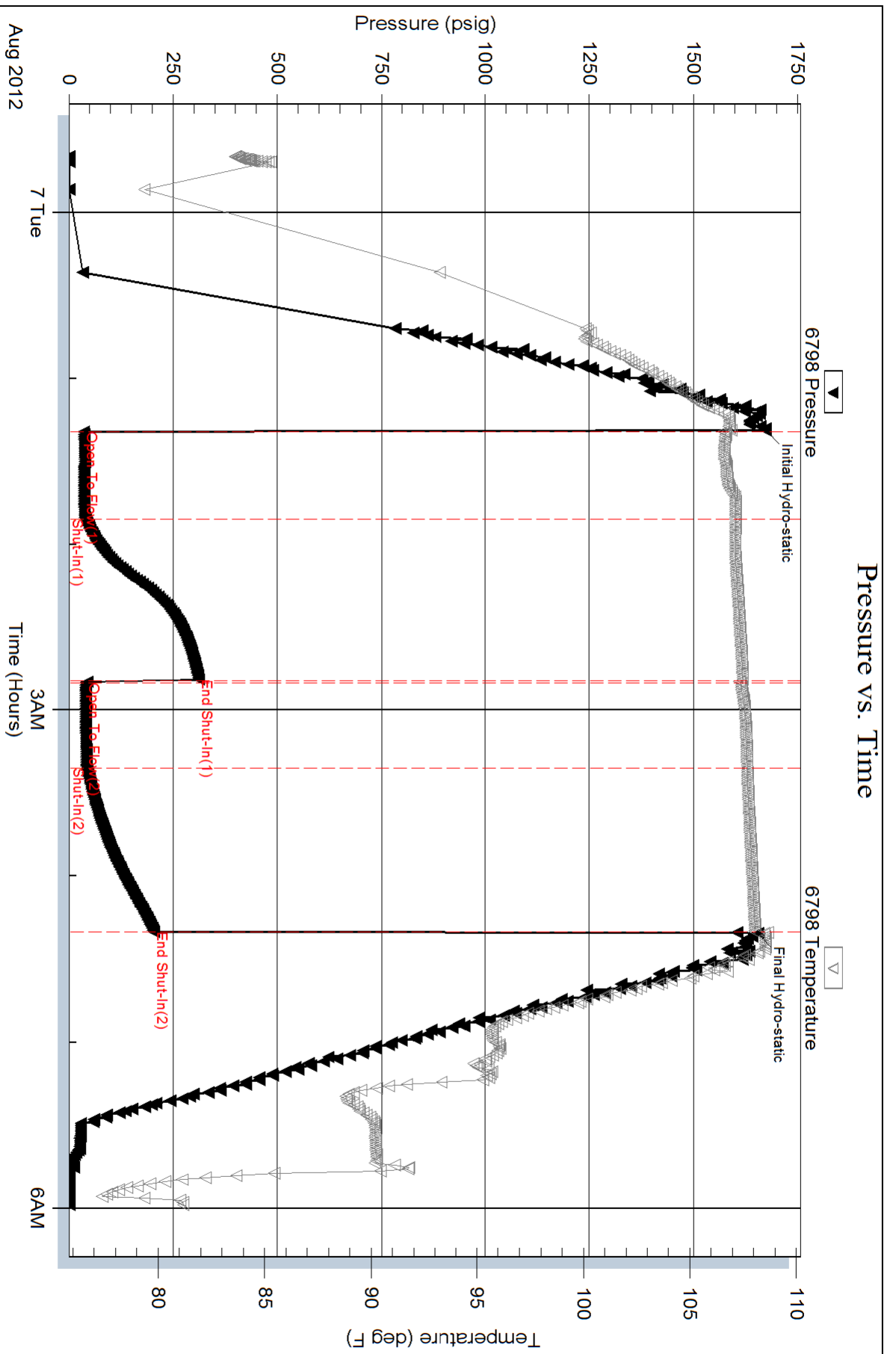
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8367

Outside Caerus Kansas LLC

Lacey 20-13

DST Test Number: 2

