



## 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 @ 00:44:34

End Date: 2012.08.06 @ 07:50:49

Job Ticket #: 49555                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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**20-17S-13W Barton**

PO Box 1378  
Hays, KS 67601

**Lacey 20-13**

Job Ticket: 49555

**DST#: 1**

ATTN: Justin Carter

Test Start: 2012.08.06 @ 00:44:34

## GENERAL INFORMATION:

Formation: **Lansing A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:01:19

Time Test Ended: 07:50:49

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

**Interval: 3206.00 ft (KB) To 3262.00 ft (KB) (TVD)**

Reference Elevations: 1955.00 ft (KB)

Total Depth: 3262.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 40.06 psig @ 3207.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.06

End Date:

2012.08.06

Last Calib.:

2012.08.06

Start Time:

00:44:35

End Time:

07:50:49

Time On Btm:

2012.08.06 @ 03:00:19

Time Off Btm:

2012.08.06 @ 06:06:49

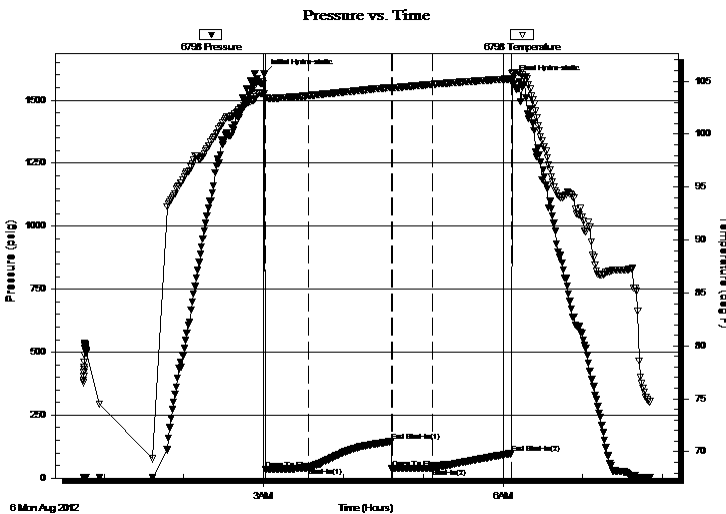
TEST COMMENT: IF: Weak Surface Blow, Dead @ 18 minutes

IS: No Blow Back

FF: No Blow

FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.34	103.83	Initial Hydro-static
1	35.31	103.40	Open To Flow (1)
34	41.81	103.64	Shut-In(1)
96	145.49	104.41	End Shut-In(1)
97	38.97	104.37	Open To Flow (2)
127	40.06	104.70	Shut-In(2)
186	97.86	105.24	End Shut-In(2)
187	1580.21	105.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

## Gas Rates

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



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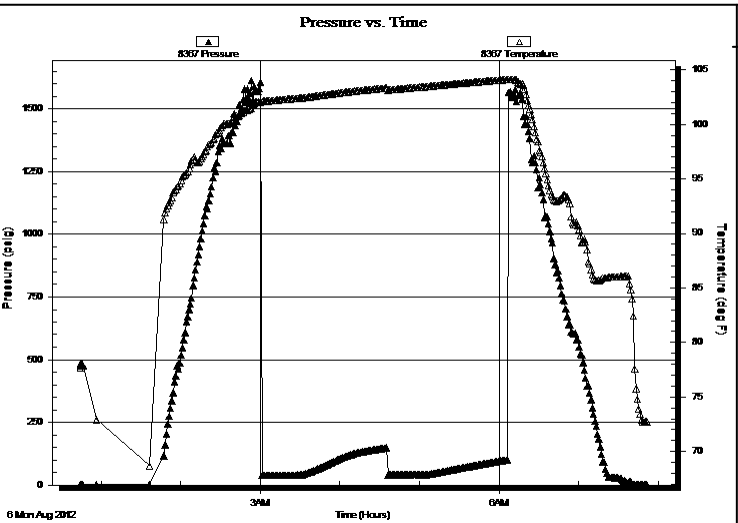
Test Start: 2012.08.06 @ 00:44:34

**GENERAL INFORMATION:**

Formation: <b>Lansing A-D</b>		
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 03:01:19	Tester: Leal Cason	
Time Test Ended: 07:50:49	Unit No: 45	
<b>Interval: 3206.00 ft (KB) To 3262.00 ft (KB) (TVD)</b>	Reference Elevations: 1955.00 ft (KB)	
Total Depth: 3262.00 ft (KB) (TVD)	1945.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 10.00 ft

<b>Serial #: 8367</b>	<b>Outside</b>				
Press @ RunDepth: psig @ 3207.00 ft (KB)	Capacity: 8000.00 psig				
Start Date: 2012.08.06	End Date: 2012.08.06	Last Calib.: 2012.08.06			
Start Time: 00:44:35	End Time: 07:51:19	Time On Btm:			
		Time Off Btm:			

**TEST COMMENT:** IF: Weak Surface Blow , Dead @ 18 minutes  
 IS: No Blow Back  
 FF: No Blow  
 FS: No Blow Back



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

**Gas Rates**

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



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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: 49555

**DST#: 1**

ATTN: Justin Carter

Test Start: 2012.08.06 @ 00:44:34

## 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume 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:

