



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: 2012.08.07 @ 16:35:34

End Date: 2012.08.07 @ 23:07:49

Job Ticket #: 49557 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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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: 49557 **DST#: 3**
 Test Start: 2012.08.07 @ 16:35:34

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:16:19
 Time Test Ended: 23:07:49
 Interval: **3409.00 ft (KB) To 3459.00 ft (KB) (TVD)**
 Total Depth: 3459.00 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

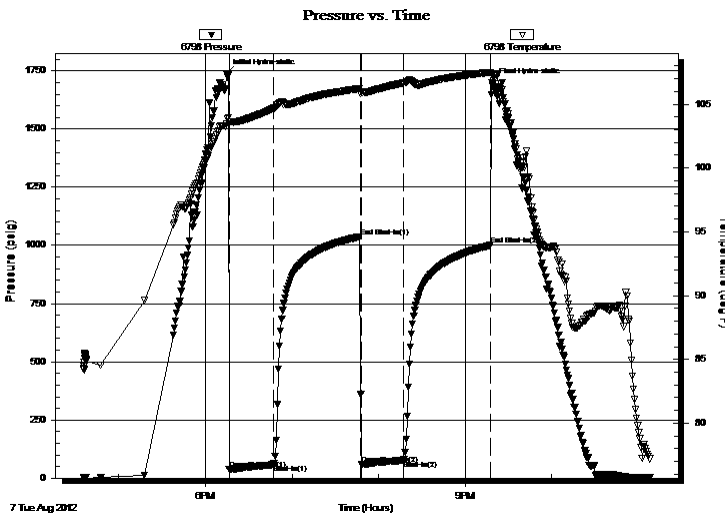
Serial #: 6798

Inside

Press @ Run Depth: 76.48 psig @ 3410.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.07 End Date: 2012.08.07 Last Calib.: 2012.08.07
 Start Time: 16:35:35 End Time: 23:07:49 Time On Btm: 2012.08.07 @ 18:14:34
 Time Off Btm: 2012.08.07 @ 21:18:34

TEST COMMENT: IF: Weak 1 1/2 inch Blow , Died Off to 3/4 inch in 30 minutes
 IS!: No Blow Back
 FF: Weak 1/2 inch Blow
 FS!: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1739.54	103.44	Initial Hydro-static
2	37.52	103.45	Open To Flow (1)
33	57.64	104.67	Shut-In(1)
93	1037.57	106.23	End Shut-In(1)
94	58.98	105.94	Open To Flow (2)
123	76.48	106.65	Shut-In(2)
183	1001.40	107.48	End Shut-In(2)
184	1700.61	107.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OMCW 5%O 30%M 65%W	0.87
20.00	Gassy Oil 2%G 98%O	0.28

* Recovery from multiple tests

Gas Rates

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



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TESTING, INC.**

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FLUID SUMMARY

Caerus Kansas LLC

20-17S-13W Barton

PO Box 1378
Hays, KS 67601

Lacey 20-13

Job Ticket: 49557

DST#: 3

ATTN: Justin Carter

Test Start: 2012.08.07 @ 16:35:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

44000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 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
62.00	OMCW 5%O 30%M 65%W	0.870
20.00	Gassy Oil 2%G 98%O	0.281

Total Length: 82.00 ft Total Volume: 1.151 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 40.2 @ 82 degrees
RW w as .14 @ 90 degrees

