



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Caerus Kansas LLC

31 17s 13w Barton

P. O. Box 1378
Hays KS 67601

Mortimer 31-32

Job Ticket: 47368

DST#: 3

ATTN: Jeff Lawler

Test Start: 2012.04.24 @ 12:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 1864.00 ft (KB)

Time Tool Opened: 15:02:30

Time Test Ended: 21:28:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 42

Interval: 3325.00 ft (KB) To 3355.00 ft (KB) (TVD)

Reference Elevations: 1864.00 ft (KB)

Total Depth: 3355.00 ft (KB) (TVD)

1851.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8700 Outside

Press @ Run Depth: 14.65 psig @ 3326.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.24

End Date:

2012.04.24

Last Calib.:

2012.04.24

Start Time: 12:30:05

End Time:

23:45:30

Time On Btm:

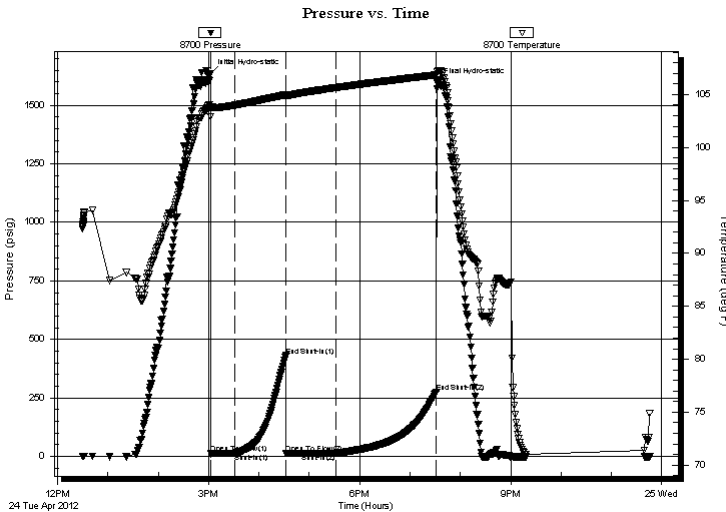
2012.04.24 @ 15:02:00

Time Off Btm:

2012.04.24 @ 19:32:00

TEST COMMENT: 30-IFP- Weak Surface Blow Died in 5min
60-ISIP- No Blow
60-FFP- No Blow
120-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1634.41	104.06	Initial Hydro-static
1	11.59	102.94	Open To Flow (1)
29	14.30	103.99	Shut-In(1)
90	430.56	104.99	End Shut-In(1)
91	14.73	104.83	Open To Flow (2)
150	14.65	105.65	Shut-In(2)
270	274.99	106.86	End Shut-In(2)
270	1598.12	107.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SLOCM 1% @ 99% m	0.03

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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ATTN: Jeff Lawler

Test Start: 2012.04.24 @ 12:30:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	SLOCM 1%o 99%m	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 #: 8700

Outside Caerus Kansas LLC

Mortimer 31-32

DST Test Number: 3

Pressure vs. Time

