



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Caerus Kansas LLC.

Stafford Co., KS

1390 E. 8th st., Ste. B
Hays, KS 67601-3974

Astle 2-31

Job Ticket: 46967

DST#: 1

ATTN: Roger Fisher

Test Start: 2012.06.29 @ 01:54:37

GENERAL INFORMATION:

Formation: **Lansing H/I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 03:47:22

Time Test Ended: 11:16:07

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 63

Interval: 3702.00 ft (KB) To 3750.00 ft (KB) (TVD)

Total Depth: 3750.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1929.00 ft (KB)

1914.00 ft (CF)

KB to GR/CF: 15.00 ft

Serial #: 8790 Inside

Press @ Run Depth: 80.08 psig @ 3703.00 ft (KB)

Start Date: 2012.06.29

End Date: 2012.06.29

Start Time: 01:54:42

End Time: 11:16:07

Capacity: 8000.00 psig

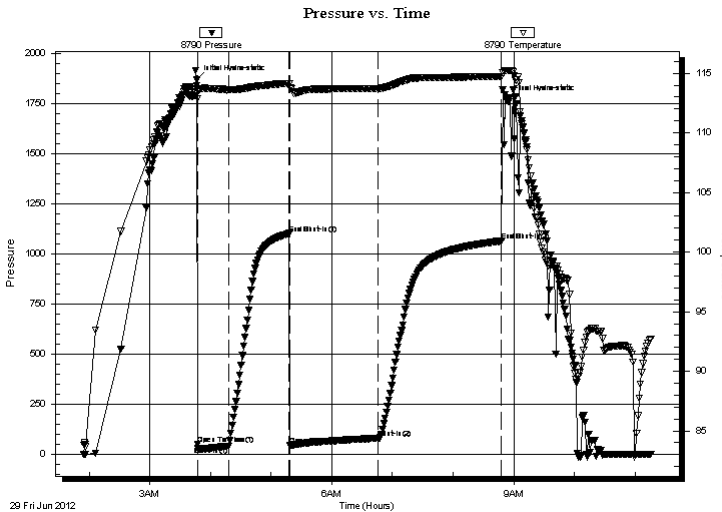
Last Calib.: 2012.06.29

Time On Btm: 2012.06.29 @ 03:46:37

Time Off Btm: 2012.06.29 @ 08:52:52

TEST COMMENT: IF: Strong Blow . BOB 3 min. No GTS.
IS: No blow
FF: Strong Blow . BOB 15sec. GTS in 80min. TSTM
FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1867.89	113.98	Initial Hydro-static
1	47.65	112.85	Open To Flow (1)
32	38.49	113.60	Shut-In(1)
92	1101.30	114.16	End Shut-In(1)
93	41.13	113.81	Open To Flow (2)
180	80.08	113.73	Shut-In(2)
302	1064.16	114.72	End Shut-In(2)
307	1769.76	115.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
85.00	OCM 40%oil 60%mud	0.62
15.00	clean oil	0.11

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

4600 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 0.03 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
85.00	OCM 40%oil 60%mud	0.624
15.00	clean oil	0.110

Total Length: 100.00 ft

Total Volume: 0.734 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

