



**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: 46968

**DST#: 3**

ATTN: Roger Fisher

Test Start: 2012.06.30 @ 22:01:39

## GENERAL INFORMATION:

Formation: **Kinderhook**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 23:58:24

Time Test Ended: 07:24:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Reynolds

Unit No: 63

**Interval: 3895.00 ft (KB) To 3937.00 ft (KB) (TVD)**

Reference Elevations: 1929.00 ft (KB)

Total Depth: 3937.00 ft (KB) (TVD)

1914.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 15.00 ft

**Serial #: 8790**

**Inside**

Press @ Run Depth: 30.90 psig @ 3896.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.30

End Date:

2012.07.01

Last Calib.:

2012.07.01

Start Time:

22:01:44

End Time:

07:24:39

Time On Btm:

2012.06.30 @ 23:58:09

Time Off Btm:

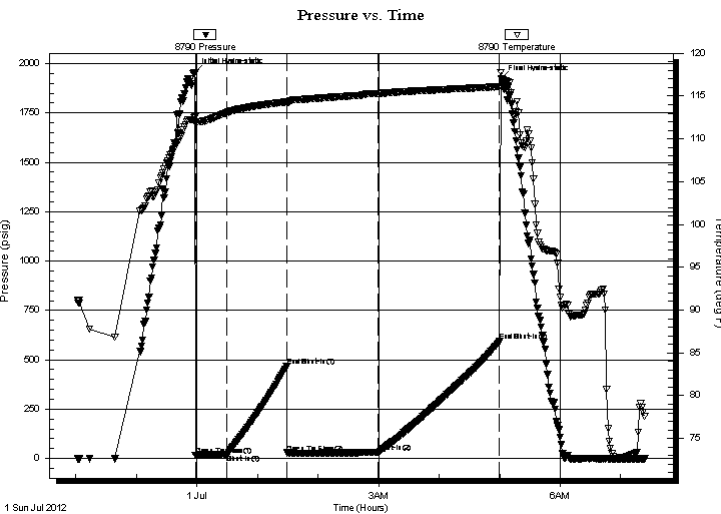
2012.07.01 @ 05:01:09

**TEST COMMENT:** IF: Fair-Strong blow . 1/4" - BOB in 25min.

IS: No Blow

FF: Strong blow . BOB 5sec. No GTS

FS: No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.53	112.55	Initial Hydro-static
1	16.05	111.84	Open To Flow (1)
31	19.87	113.04	Shut-In(1)
91	465.47	114.32	End Shut-In(1)
92	28.21	114.17	Open To Flow (2)
182	30.90	115.30	Shut-In(2)
302	592.91	116.10	End Shut-In(2)
303	1921.69	117.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	GOCM 5%gas 5%oil 90%drlg mud	0.33

\* Recovery from multiple tests

## 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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.03 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GOCM 5%gas 5%oil 90%drilg mud	0.331

Total Length: 45.00 ft      Total Volume: 0.331 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8790

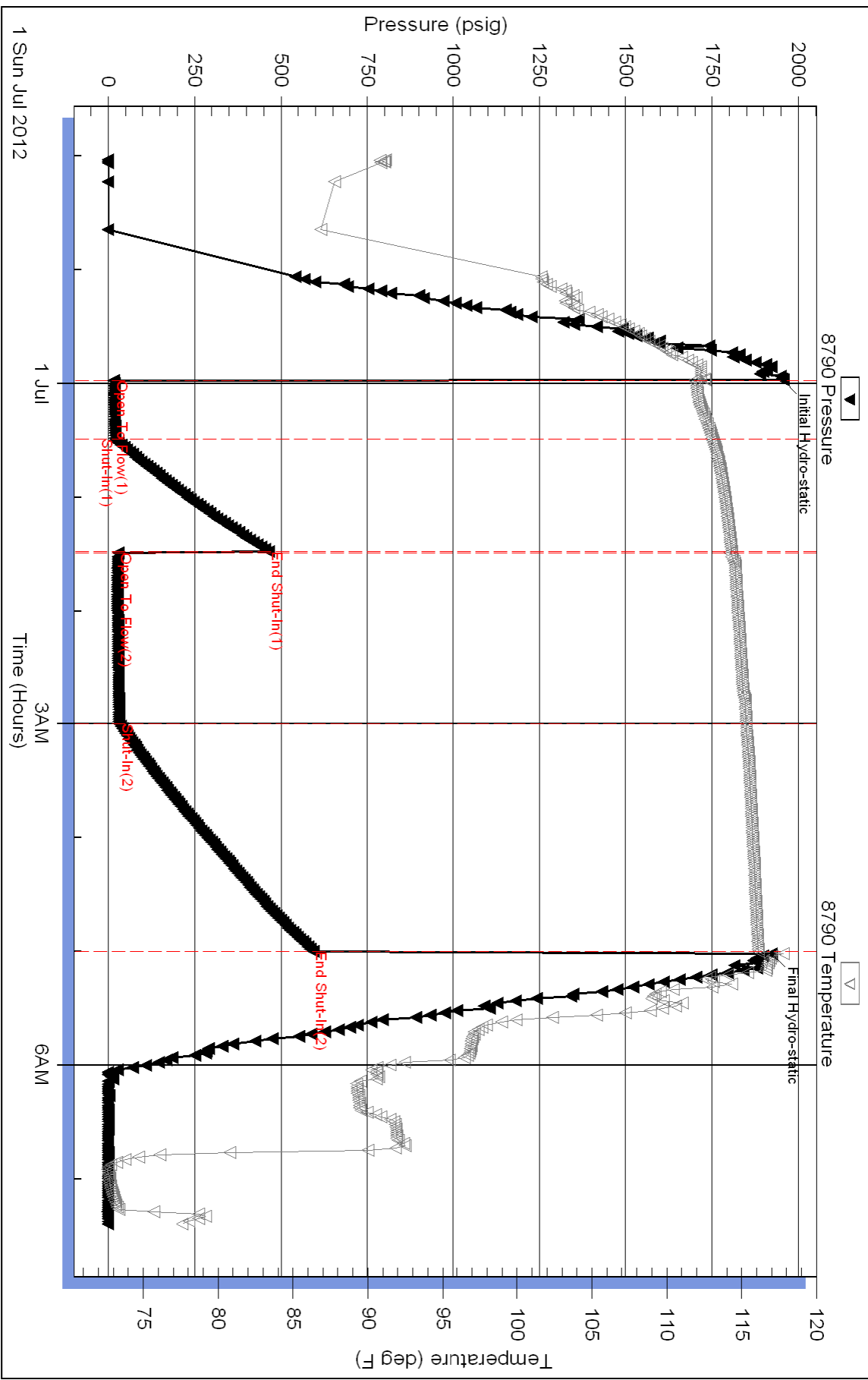
Inside

Caerus Kansas LLC.

Astle 2-31

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46968

Printed: 2012.07.01 @ 18:55:49