



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Caerus Ks. LLC

31-17s-13w Barton Ks

P.O.Box 1378
Hays Ks.67601

Mortimer#31-41

Job Ticket: 47587

DST#: 2

ATTN: Justin Carter

Test Start: 2012.07.28 @ 20:35:34

GENERAL INFORMATION:

Formation: **L/KC I - K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:19:34

Time Test Ended: 04:04:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3272.00 ft (KB) To 3334.00 ft (KB) (TVD)

Reference Elevations: 1880.00 ft (KB)

Total Depth: 3334.00 ft (KB) (TVD)

1870.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 33.37 psig @ 3273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.28

End Date:

2012.07.29

Last Calib.:

2012.07.29

Start Time: 20:35:39

End Time:

04:04:33

Time On Btm:

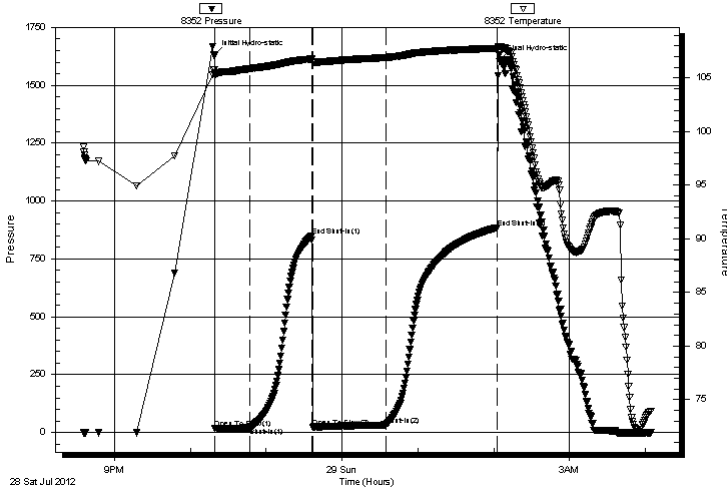
2012.07.28 @ 22:19:19

Time Off Btm:

2012.07.29 @ 02:05:04

TEST COMMENT: IF:Weak to fair blow . Increase to 6".
IS:No blow .
FF:Fair to strong blow .B.O.B. in 12 mins.
FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.05	105.82	Initial Hydro-static
1	17.58	105.27	Open To Flow (1)
28	20.48	105.86	Shut-In(1)
77	849.28	106.77	End Shut-In(1)
78	21.42	106.48	Open To Flow (2)
136	33.37	106.92	Shut-In(2)
224	885.44	107.77	End Shut-In(2)
226	1610.77	107.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	425 ft.of GIP	0.00
25.00	CGO 10%g 90%o	0.35
30.00	GOCM 17%g 24%o 59%m	0.42

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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31-17s-13w Barton Ks

P.O.Box 1378
Hays Ks.67601

Mortimer#31-41

Job Ticket: 47587

DST#: 2

ATTN: Justin Carter

Test Start: 2012.07.28 @ 20:35:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	425 ft.of GIP	0.000
25.00	CGO 10%g 90%o	0.351
30.00	GOCM 17%g 24%o 59%m	0.421

Total Length: 55.00 ft

Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

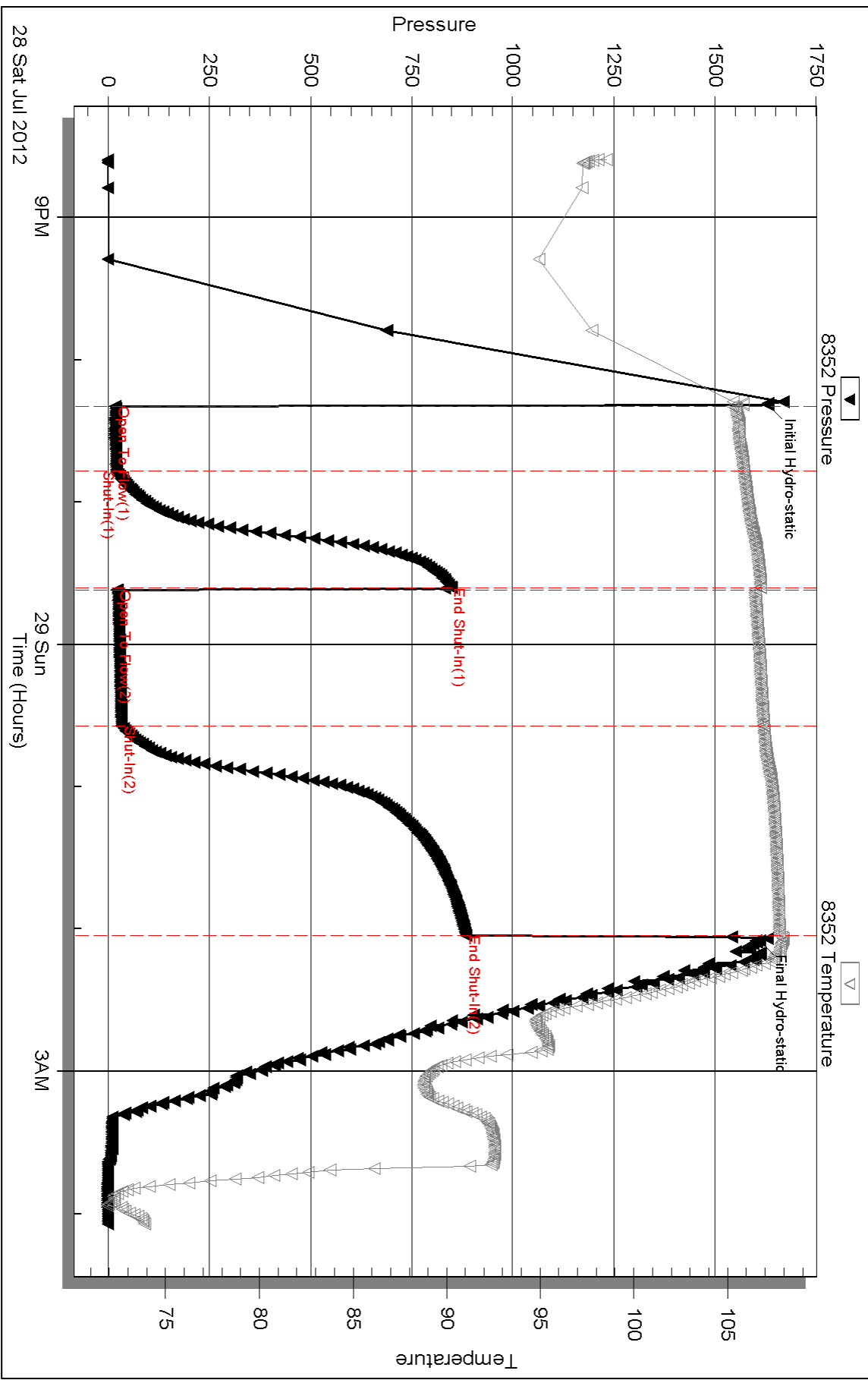
Serial #: 8352

Outside Caerus Ks. LLC

Mortimer#31-41

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47587

Printed: 2012.07.30 @ 09:07:38