



DRILL STEM TEST REPORT

Prepared For: **Caerus Ks. LLC**

P.O.Box 1378
Hays Ks.67601

ATTN: Justin Carter

Mortimer#31-41

31-17s-13w Barton Ks

Start Date: 2012.07.27 @ 20:49:17

End Date: 2012.07.28 @ 06:36:02

Job Ticket #: 47586 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.28 @ 06:54:51



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: 47586

DST#: 1

ATTN: Justin Carter

Test Start: 2012.07.27 @ 20:49:17

GENERAL INFORMATION:

Formation: **Lans A - F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:50:02

Time Test Ended: 06:36:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3130.00 ft (KB) To 3207.00 ft (KB) (TVD)

Reference Elevations: 1880.00 ft (KB)

Total Depth: 3207.00 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: 166.46 psig @ 3131.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.27

End Date: 2012.07.28

Last Calib.: 2012.07.28

Start Time: 20:49:22

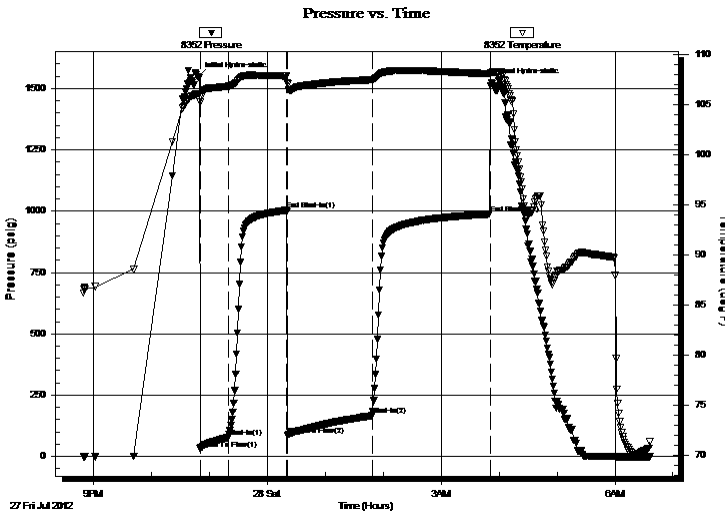
End Time: 06:36:02

Time On Btm: 2012.07.27 @ 22:48:17

Time Off Btm: 2012.07.28 @ 03:52:02

TEST COMMENT: IF: Strong blow . B.O.B. in 4 mins.
IS: No blow .
FF: Strong blow . B.O.B. in 90 secs.
FS: Weak blow . 1 - 5 1/2". GTS w hen bleeding off blow in FSIP.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1547.00	106.07	Initial Hydro-static
2	30.77	105.22	Open To Flow (1)
31	77.46	106.80	Shut-In(1)
92	1003.50	107.81	End Shut-In(1)
93	84.31	107.18	Open To Flow (2)
181	166.46	107.45	Shut-In(2)
303	987.89	108.05	End Shut-In(2)
304	1525.37	108.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	CGO 12%g 88%o	1.61
125.00	GMCO 15%g 41%m 44%o	1.75
150.00	GOCM 20%g 28%o 52%m	2.10

Gas Rates

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



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FLUID SUMMARY

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31-17s-13w Barton Ks

P.O.Box 1378
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Mortimer#31-41

Job Ticket: 47586

DST#: 1

ATTN: Justin Carter

Test Start: 2012.07.27 @ 20:49:17

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 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 bbl
115.00	CGO 12%g 88%o	1.613
125.00	GMCO 15%g 41%m 44%o	1.753
150.00	GOCM 20%g 28%o 52%m	2.104

Total Length: 390.00 ft

Total Volume: 5.470 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

