



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Caerus Kansas LLC

23-17-13, Barton, Ks

PO Box 1378
Hays Ks 67601

Hoffman Ranch #23-23

ATTN: Jeff Lawler

Job Ticket: 46333

DST#: 5

Test Start: 2011.12.12 @ 21:49:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:18:30

Time Test Ended: 06:05:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 47

Interval: 3330.00 ft (KB) To 3369.00 ft (KB) (TVD)

Reference Elevations: 1865.00 ft (KB)

Total Depth: 3369.00 ft (KB) (TVD)

1856.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6753 Inside

Press @ Run Depth: 324.77 psig @ 3366.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.12

End Date:

2011.12.13

Last Calib.: 2011.12.13

Start Time: 21:49:05

End Time:

06:04:59

Time On Btm: 2011.12.12 @ 23:17:30

Time Off Btm: 2011.12.13 @ 03:51:00

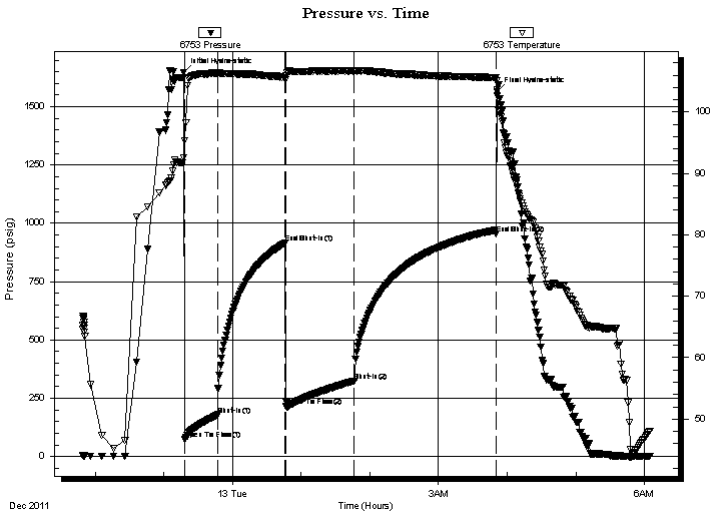
TEST COMMENT: 30 - IF- B.O.B. in 1 1/2 Min.

60 - IS- No blow back

60 - FF- B.O.B. in 5 Min.

120 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.68	92.50	Initial Hydro-static
1	75.49	95.28	Open To Flow (1)
30	179.32	106.33	Shut-In(1)
89	915.13	105.61	End Shut-In(1)
90	216.11	105.98	Open To Flow (2)
149	324.77	106.65	Shut-In(2)
273	954.24	105.61	End Shut-In(2)
274	1564.84	105.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VSOCM, 5%O, 95%M	0.87
372.00	VSOCMW, 5%O, 30%M, 65%W	5.22
228.00	GVSOCM, 5%G, 5%O, 90%M	3.20
20.00	GO, 5%G, 95%O	0.28

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Test Start: 2011.12.12 @ 21:49:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	VSOCM, 5%O, 95%M	0.870
372.00	VSOCMW, 5%O, 30%M, 65%W	5.218
228.00	GVSOCM, 5%G, 5%O, 90%M	3.198
20.00	GO, 5%G, 95%O	0.281

Total Length: 682.00 ft Total Volume: 9.567 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Salinity: .28 @ 38 Degrees = 50,000

Serial #: 6753

Inside

Caerus Kansas LLC

Hoffman Ranch #23-23

DST Test Number: 5

