



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: 46332

DST#: 4

Test Start: 2011.12.11 @ 23:23:00

GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:57:30
 Time Test Ended: 05:12:30
 Interval: **3193.00 ft (KB) To 3210.00 ft (KB) (TVD)**
 Total Depth: 3210.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 47
 Reference Elevations: 1865.00 ft (KB)
 1856.00 ft (CF)
 KB to GR/CF: 9.00 ft

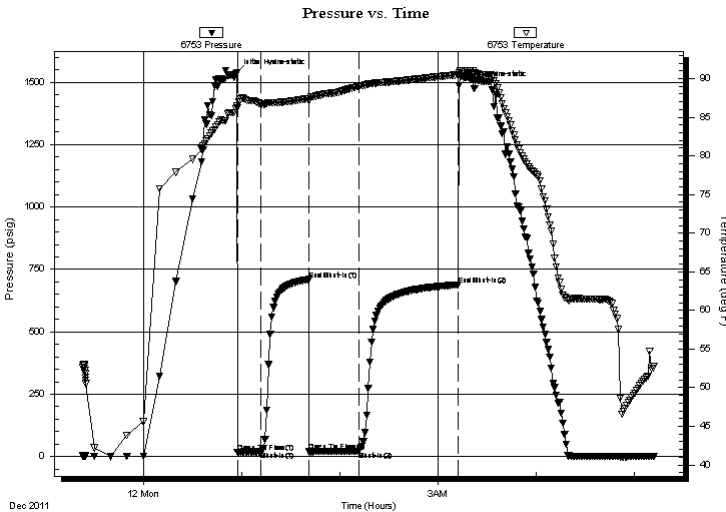
Serial #: 6753

Inside

Press @ Run Depth: 22.23 psig @ 3194.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.12.11 End Date: 2011.12.12 Last Calib.: 1899.12.30
 Start Time: 23:23:05 End Time: 05:12:29 Time On Btm: 2011.12.12 @ 00:57:00
 Time Off Btm: 2011.12.12 @ 03:13:00

TEST COMMENT: 15 - IF- 3/4" blow
 30 - IS- No blow back
 30 - FF- 1/4" blow
 60 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1536.50	86.49	Initial Hydro-static
1	17.24	86.29	Open To Flow (1)
15	19.73	86.73	Shut-In(1)
44	709.33	87.42	End Shut-In(1)
45	19.60	87.17	Open To Flow (2)
75	22.23	89.02	Shut-In(2)
136	688.44	90.52	End Shut-In(2)
136	1487.11	90.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCM, 5%O, 95%M	0.14

* 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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	VSOCM, 5%O, 95%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

Inside

Caerus Kansas LLC

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DST Test Number: 4

