



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources, LLC
 2717 Canal Blvd.
 Suite C Hays KS 67601
 ATTN: Jermy Schwartz

24-17-14, Barton, KS

CS Unit #1

Job Ticket: 50786

DST#: 4

Test Start: 2012.10.27 @ 09:45:00

GENERAL INFORMATION:

Formation: **Arb.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:49:00
 Time Test Ended: 17:58:30
 Interval: **3411.00 ft (KB) To 3459.00 ft (KB) (TVD)**
 Total Depth: 3459.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1958.00 ft (KB)
 1949.00 ft (CF)
 KB to GR/CF: 9.00 ft

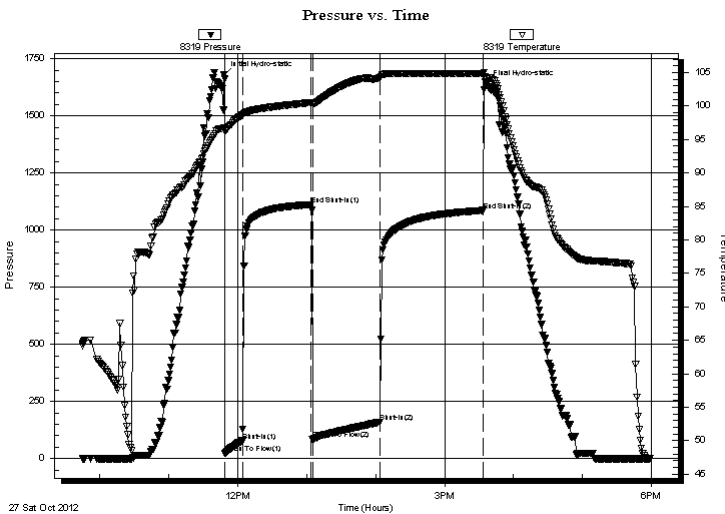
Serial #: 8319

Outside

Press @ Run Depth: 159.29 psig @ 3412.00 ft (KB)
 Start Date: 2012.10.27 End Date: 2012.10.27
 Start Time: 09:45:05 End Time: 17:58:29
 Capacity: 8000.00 psig
 Last Calib.: 2012.10.27
 Time On Btm: 2012.10.27 @ 11:48:00
 Time Off Btm: 2012.10.27 @ 15:36:30

TEST COMMENT: IF-8in blow
 ISI-No blow
 FF-BOB in 21min
 FSI-Very weak surface blow died in 23min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.37	96.76	Initial Hydro-static
1	21.27	96.25	Open To Flow (1)
16	77.34	98.62	Shut-In(1)
76	1111.88	100.52	End Shut-In(1)
77	82.18	100.30	Open To Flow (2)
136	159.29	104.24	Shut-In(2)
226	1086.55	104.87	End Shut-In(2)
229	1636.68	104.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	VSGOCM 5%G 35%O 60%M	0.89
260.00	SGO 10%G 90%O	3.37
0.00	110ft GIP	0.00

* 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:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	VSGOCM 5%G 35%O 60%M	0.885
260.00	SGO 10%G 90%O	3.374
0.00	110ft GIP	0.000

Total Length: 440.00 ft Total Volume: 4.259 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

