



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates Inc

5-12-22, Trego, KS

1515 Wynkoop Ste
700 Denver CO 80202

Babb #1-5

Job Ticket: 54114

DST#: 2

ATTN: Dan Pritchard

Test Start: 2014.04.07 @ 01:59:00

GENERAL INFORMATION:

Formation: **KC "J-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:09:15
 Time Test Ended: 11:23:15
 Interval: **3824.00 ft (KB) To 3870.00 ft (KB) (TVD)**
 Total Depth: 3870.00 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: 2376.00 ft (KB)
 2368.00 ft (CF)
 KB to GR/CF: 8.00 ft

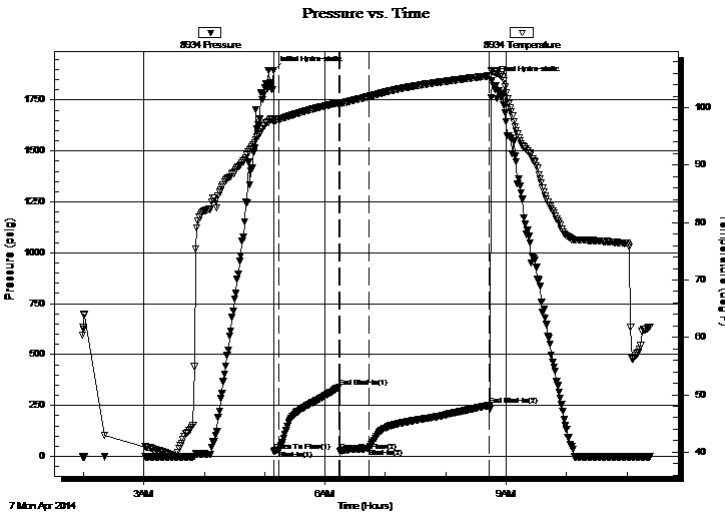
Serial #: 8934

Inside

Press@RunDepth: 39.79 psig @ 3828.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.07 End Date: 2014.04.07 Last Calib.: 2014.04.07
 Start Time: 01:59:05 End Time: 11:23:15 Time On Btm: 2014.04.07 @ 05:08:45
 Time Off Btm: 2014.04.07 @ 08:46:15

TEST COMMENT: 5min- IF-3 1/2in blow
 60min- IS- No blow
 30min- FF-7in blow
 120min- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1893.12	98.08	Initial Hydro-static
1	24.24	97.48	Open To Flow (1)
6	28.83	97.96	Shut-In(1)
66	340.44	100.86	End Shut-In(1)
66	22.80	100.77	Open To Flow (2)
96	39.79	101.96	Shut-In(2)
215	250.28	105.53	End Shut-In(2)
218	1845.13	106.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SOCM 10%O 90%M	0.22
30.00	SGO 5%G 95%O	0.42
0.00	180ft 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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ATTN: Dan Pritchard

Test Start: 2014.04.07 @ 01:59:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	SOCM 10%O 90%M	0.218
30.00	SGO 5%G 95%O	0.421
0.00	180ft GIP	0.000

Total Length: 65.00 ft Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 1600ml OIL 400ml Gas 225 PSI

Serial #: 8319

Fluid

Samuel Gary Jr. & Associates Inc

Babb #1-5

DST Test Number: 2

