



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, inc.

17-10S-22W Graham, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Fritts Trust #1-17

ATTN: Chris Mitchell

Job Ticket: 54013

DST#: 1

Test Start: 2014.03.08 @ 21:07:12

GENERAL INFORMATION:

Formation: **LKC 'A-C'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:19:42
 Time Test Ended: 04:59:12
 Interval: **3595.00 ft (KB) To 3665.00 ft (KB) (TVD)**
 Total Depth: 3665.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan L/ Phillip G
 Unit No: 46
 Reference Elevations: 2343.00 ft (KB)
 2335.00 ft (CF)
 KB to GR/CF: 8.00 ft

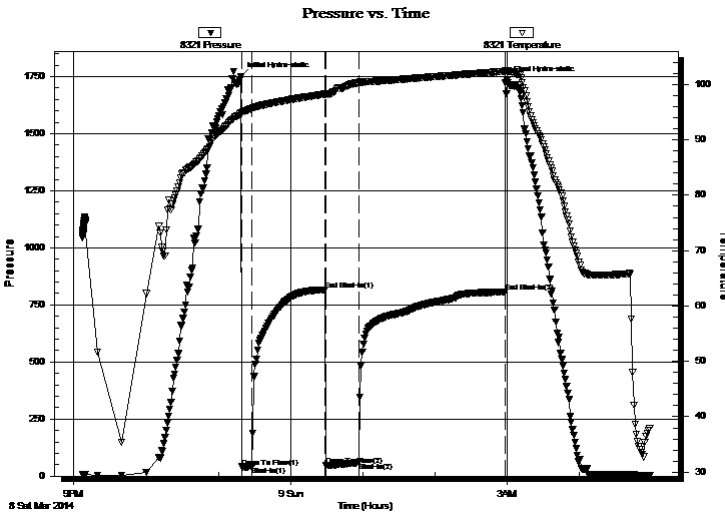
Serial #: 8321

Outside

Press@RunDepth: 59.67 psig @ 3596.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.08 End Date: 2014.03.09 Last Calib.: 2014.03.09
 Start Time: 21:07:13 End Time: 04:59:12 Time On Btm: 2014.03.08 @ 23:18:42
 Time Off Btm: 2014.03.09 @ 03:00:12

TEST COMMENT: 010- IF- Slow ly built to 1"
 060- IS- Weak surface blow died after 20mins
 030- FF- Slow ly built to 3"
 120- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1748.17	94.91	Initial Hydro-static
1	40.65	94.93	Open To Flow (1)
10	43.75	95.67	Shut-In(1)
70	816.76	98.27	End Shut-In(1)
71	45.79	98.17	Open To Flow (2)
98	59.67	100.30	Shut-In(2)
220	807.97	102.37	End Shut-In(2)
222	1731.20	102.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	M	0.96

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	M	0.956

Total Length: 70.00 ft Total Volume: 0.956 bbl

Num Fluid Samples: 0

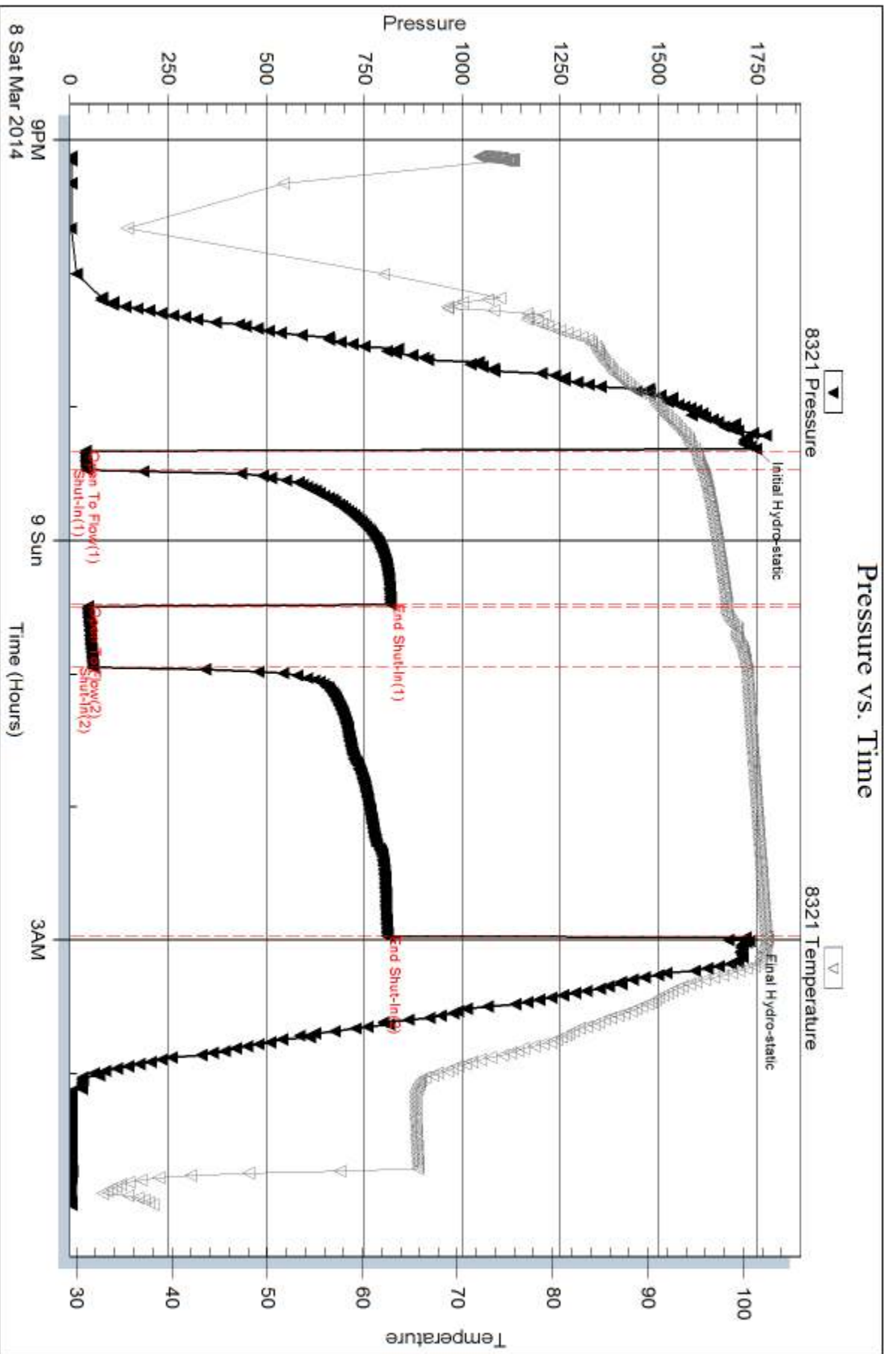
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mL of M @ 120PSI



Serial #: 8647

Fluid

Samuel Gary Jr. & Associates, Inc.

Fritts Trust #1-17

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 54013

Printed: 2014.03.10 @ 11:55:00