



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58392

DST#: 2

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 23:01:34

GENERAL INFORMATION:

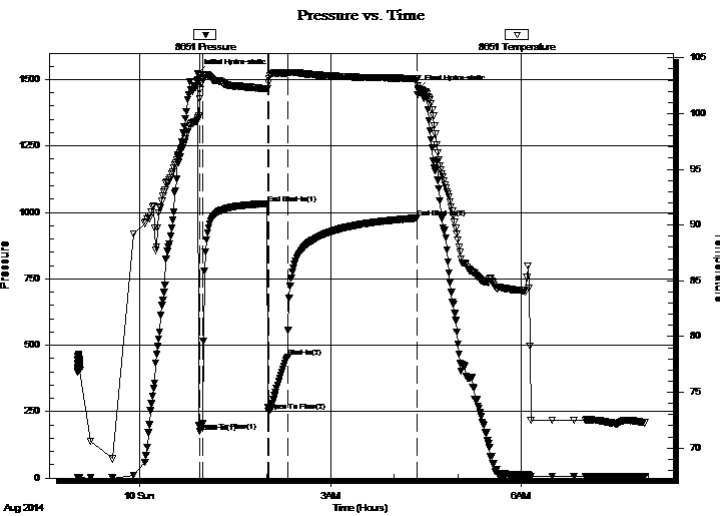
Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:56:34
 Time Test Ended: 07:56:17
 Interval: **3150.00 ft (KB) To 3170.00 ft (KB) (TVD)**
 Total Depth: 3170.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1919.00 ft (KB)
 1911.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8651

Inside

Press@RunDepth: 456.16 psig @ 3151.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.09 End Date: 2014.08.10 Last Calib.: 2014.08.10
 Start Time: 23:01:35 End Time: 07:56:17 Time On Btm: 2014.08.10 @ 00:54:34
 Time Off Btm: 2014.08.10 @ 04:22:34

TEST COMMENT: 005- IF- BOB 30secs
 060- FSI- Surface blow
 020- FF- BOB 45secs
 120- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1523.00	99.47	Initial Hydro-static
2	176.46	101.37	Open To Flow (1)
5	205.99	103.23	Shut-In(1)
66	1033.10	102.24	End Shut-In(1)
67	251.08	102.79	Open To Flow (2)
85	456.16	103.63	Shut-In(2)
207	978.38	103.15	End Shut-In(2)
208	1462.99	102.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	WM, 30%W 70%M	1.97
750.00	MW, 15%M 85%W	10.25

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58392

DST#: 2

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 23:01:34

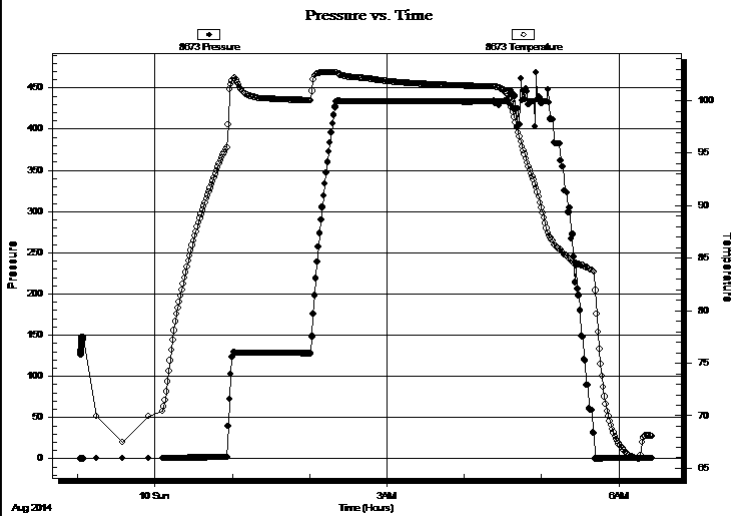
GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:56:34
 Time Test Ended: 07:56:17
 Interval: **3150.00 ft (KB) To 3170.00 ft (KB) (TVD)**
 Total Depth: 3170.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1919.00 ft (KB)
 1911.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8673 Fluid

Press@RunDepth: psig @ 3122.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.09 End Date: 2014.08.10 Last Calib.: 2014.08.10
 Start Time: 23:02:25 End Time: 06:26:24 Time On Btm:
 Time Off Btm:

TEST COMMENT: 005- IF- BOB 30secs
 060- FSI- Surface blow
 020- FF- BOB 45secs
 120- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
165.00	WM, 30%W 70%M	1.97
750.00	MW, 15%M 85%W	10.25

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58392

DST#: 2

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 23:01:34

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:

90000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
165.00	WM, 30%W 70%M	1.974
750.00	MW, 15%M 85%W	10.245

Total Length: 915.00 ft Total Volume: 12.219 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mL W @ 200PSI

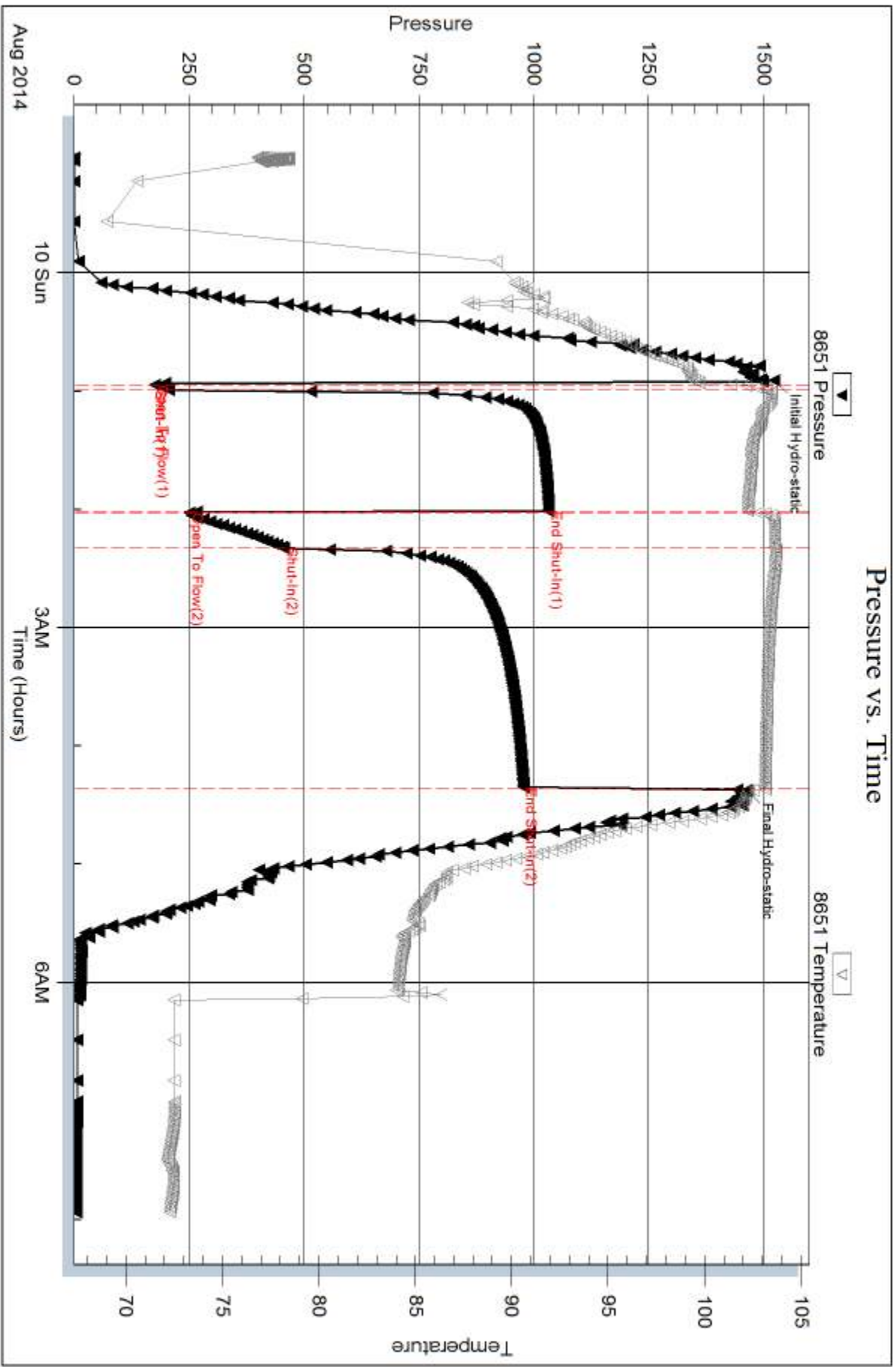
Serial #: 8651

Inside

Samuel Gary Jr. & Associates, Inc.

Lot# #1-5

DST Test Number: 2



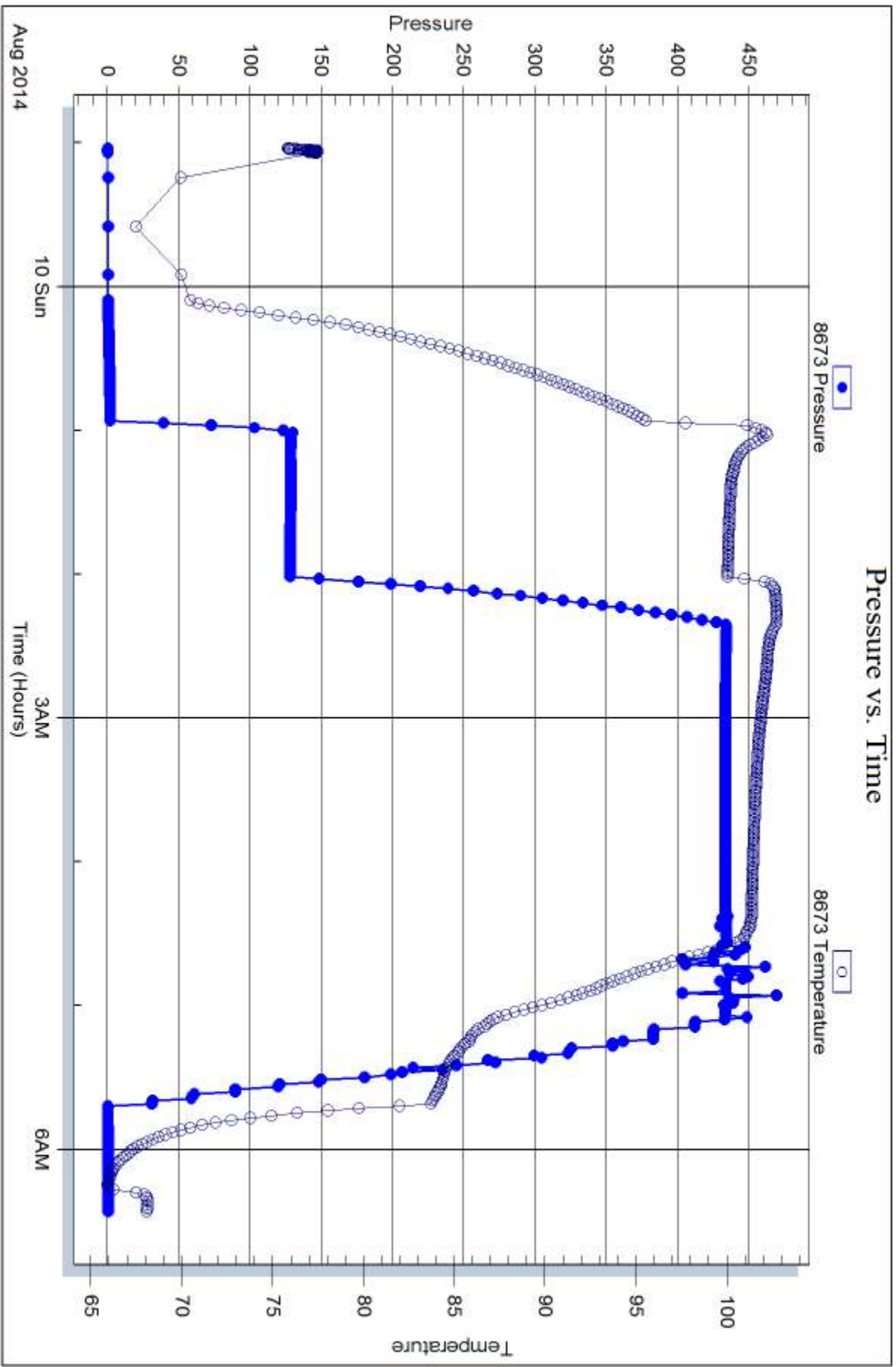
Serial #: 8673

Fluid

Samuel Gary Jr. & Associates, Inc.

Lot# 1-5

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58392

Printed: 2014.08.11 @ 07:53:24