



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

2-5S-24W - Norton KS

Wagoner #2-2

Job Ticket: 60028 **DST#: 3**
Test Start: 2014.10.11 @ 09:01:05

GENERAL INFORMATION:

Formation: **LKC " C - D "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:14:45
 Time Test Ended: 15:35:29
 Interval: **3546.00 ft (KB) To 3586.00 ft (KB) (TVD)**
 Total Depth: 3586.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 78
 Reference Elevations: 2391.00 ft (KB)
 2386.00 ft (CF)
 KB to GR/CF: 5.00 ft

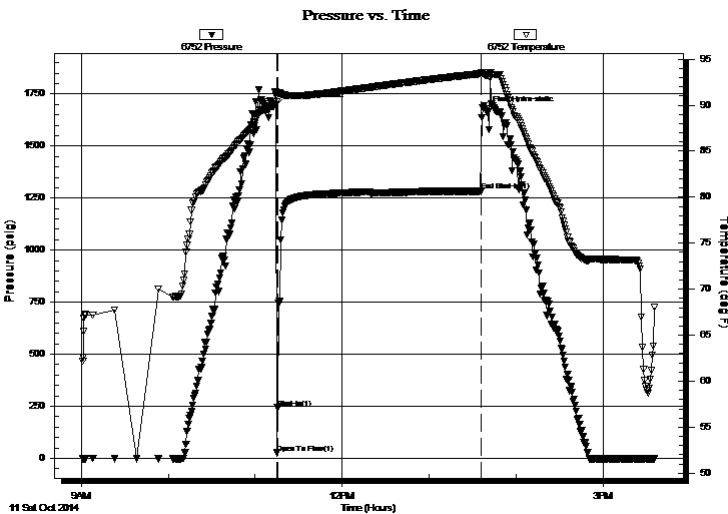
Serial #: 6752

Inside

Press@RunDepth: 242.38 psig @ 3547.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.11 End Date: 2014.10.11 Last Calib.: 2014.10.11
 Start Time: 09:01:05 End Time: 15:35:29 Time On Btm: 2014.10.11 @ 11:13:15
 Time Off Btm: 2014.10.11 @ 13:39:14

TEST COMMENT: 5 IF - 1/2" blow built to 1 1/2"
 60 ISI - No return
 15 FF - No blow
 60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.83	89.96	Initial Hydro-static
2	25.31	90.35	Open To Flow (1)
2	242.38	91.24	Shut-In(1)
143	1282.92	93.42	End Shut-In(1)
146	1668.66	93.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM - 5%O - 95%M	0.05

* 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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

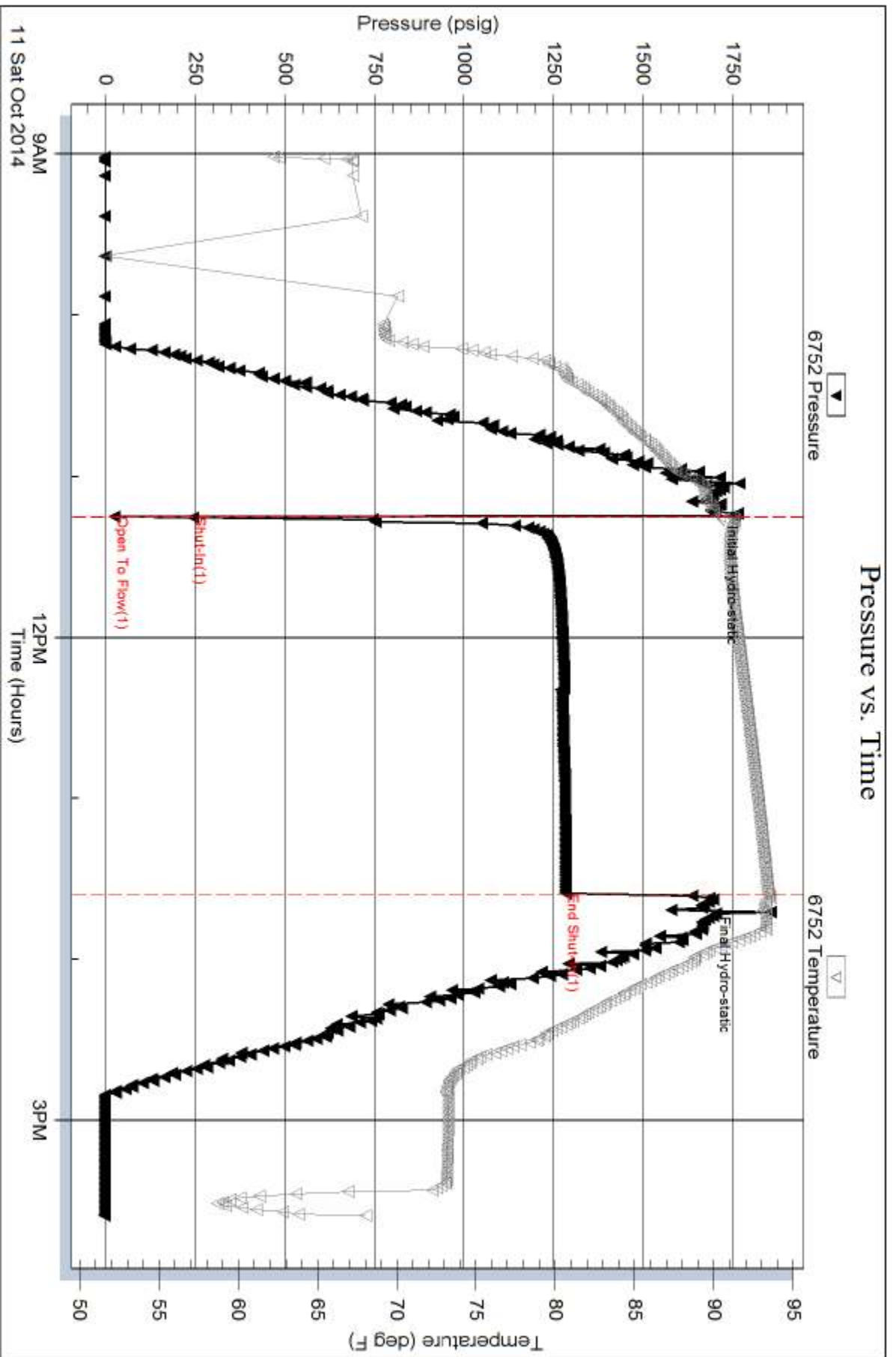
Length ft	Description	Volume bbl
10.00	OCM - 5%o - 95%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler - 100ml o - 1900ml M - 2000ml Total - PSI



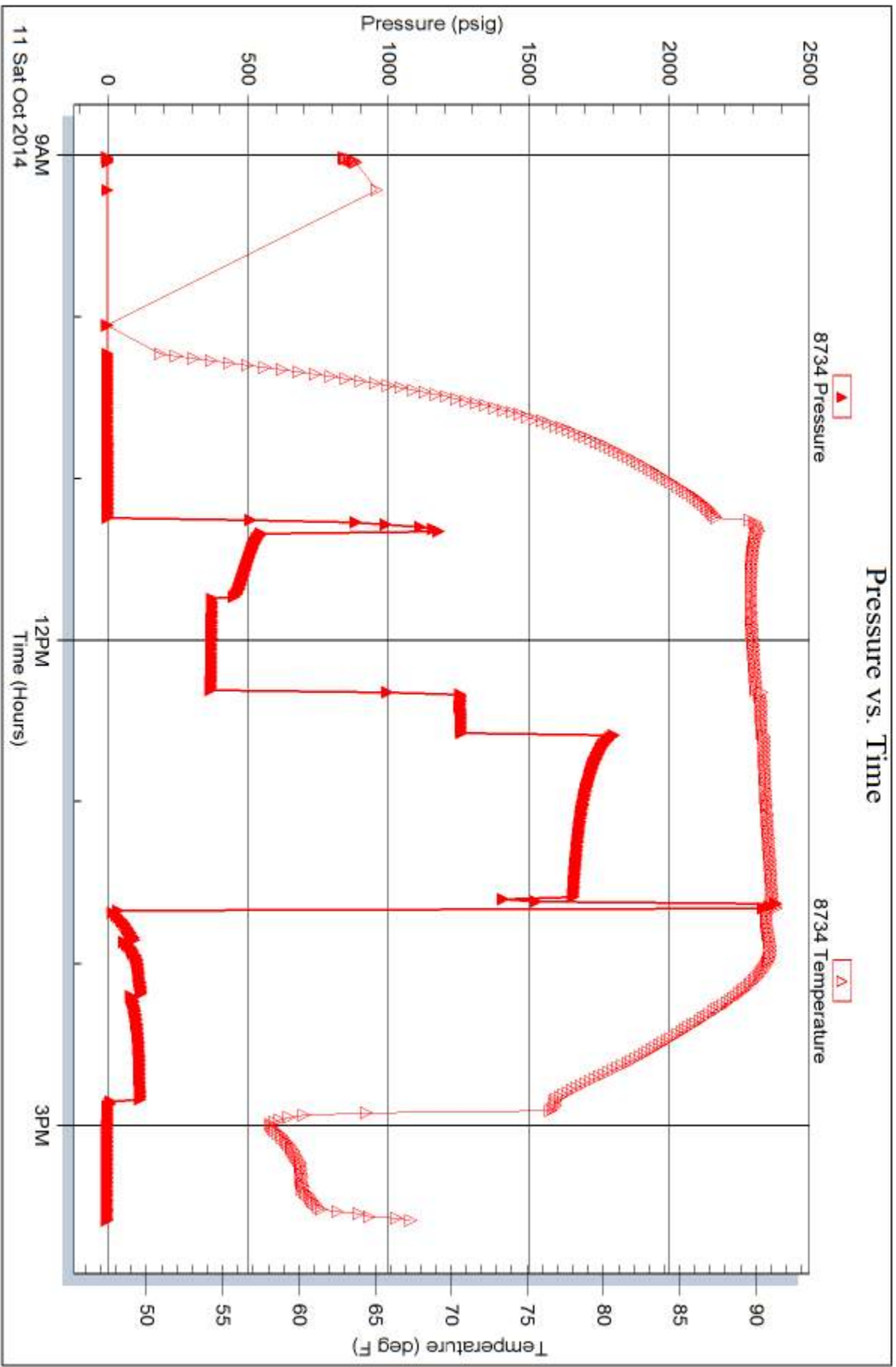
Serial #: 8734

Fluid

SGA Inc.

Wagner #2-2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60028

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