



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr Associates Inc

25-10s-30w Sheridan KS

1515 Wynkoop STE 700
Denver CO, 80202

Kevin Zerr 1-25

Job Ticket: 62422

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2015.03.15 @ 04:10:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:04:15
 Tester: Cody Bloedorn
 Time Test Ended: 10:39:45
 Unit No: 73
 Interval: **4320.00 ft (KB) To 4366.00 ft (KB) (TVD)**
 Reference Elevations: 2868.00 ft (KB)
 Total Depth: 4366.00 ft (KB) (TVD)
 2860.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

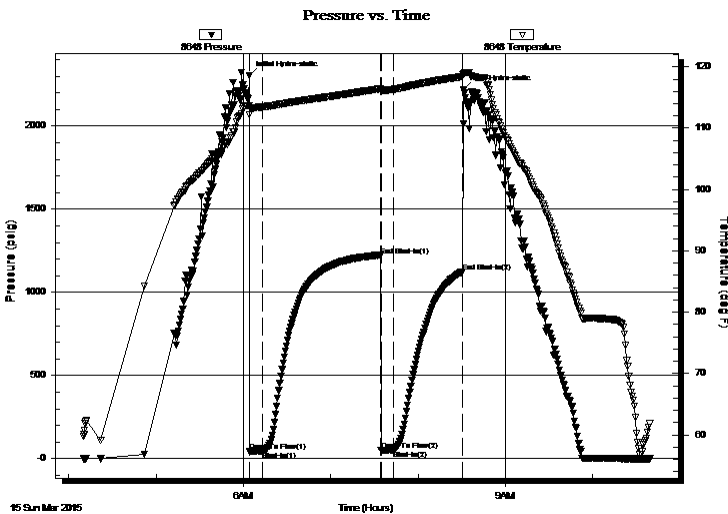
Serial #: 8648

Inside

Press@RunDepth: 51.27 psig @ 4358.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2015.03.15 End Date: 2015.03.15 Last Calib.: 2015.03.15
 Start Time: 04:10:05 End Time: 10:39:44 Time On Btm: 2015.03.15 @ 06:04:00
 Time Off Btm: 2015.03.15 @ 08:31:15

TEST COMMENT: 10 - IF- 1/2" blow
 75 - IS- No return
 10 - FF- No blow
 FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2304.81	113.66	Initial Hydro-static
1	43.45	112.26	Open To Flow (1)
10	46.18	113.46	Shut-In(1)
91	1218.82	116.43	End Shut-In(1)
91	50.55	115.93	Open To Flow (2)
99	51.27	116.32	Shut-In(2)
147	1124.06	118.39	End Shut-In(2)
148	2216.26	118.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud - Oil spots, 100%M	0.07

* Recovery from multiple tests

Gas Rates

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



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Job Ticket: 62422

DST#: 4

Test Start: 2015.03.15 @ 04:10:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:04:15

Time Test Ended: 10:39:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 4320.00 ft (KB) To 4366.00 ft (KB) (TVD)

Total Depth: 4366.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2868.00 ft (KB)

2860.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8958

Outside

Press@RunDepth: psig @ 4358.00 ft (KB)

Start Date: 2015.03.15

End Date: 2015.03.15

Start Time: 04:10:05

End Time: 10:40:14

Capacity: 8000.00 psig

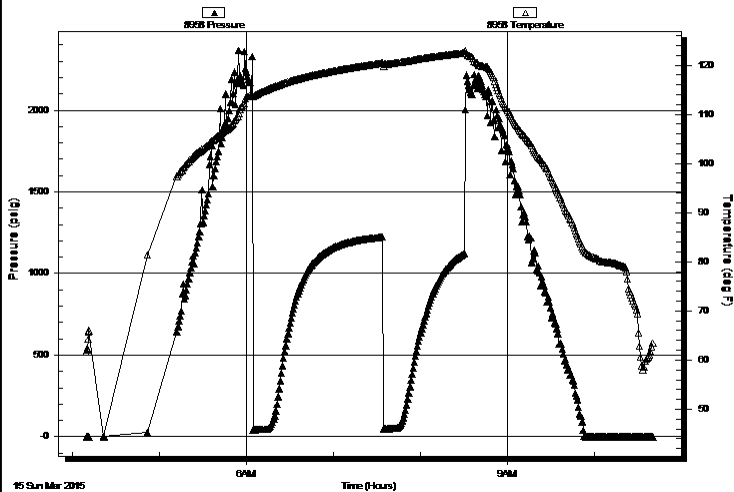
Last Calib.: 2015.03.15

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IF- 1/2" blow
75 - IS- No return
10 - FF- No blow
FS- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud - Oil spots, 100%M	0.07

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

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25-10s-30w Sheridan KS

1515 Wynkoop STE 700
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Kevin Zerr 1-25

Job Ticket: 62422

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2015.03.15 @ 04:10:00

GENERAL INFORMATION:

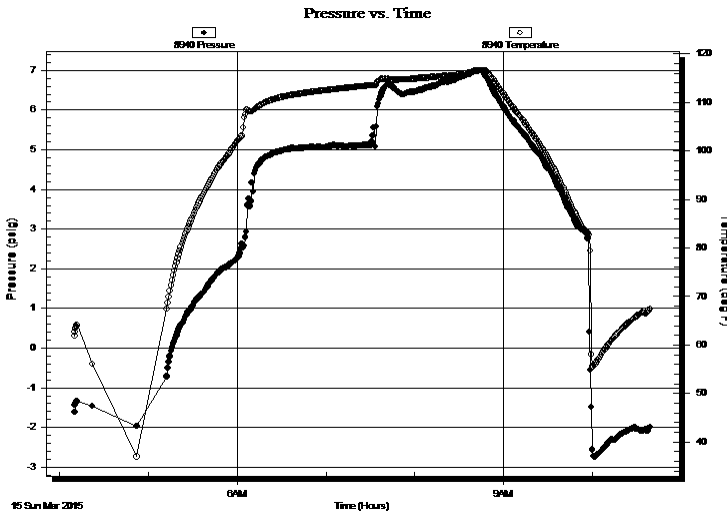
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:04:15
 Time Test Ended: 10:39:45
Interval: 4320.00 ft (KB) To 4366.00 ft (KB) (TVD)
 Total Depth: 4366.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2868.00 ft (KB)
 2860.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8940 Fluid

Press @ RunDepth: psig @ 4287.00 ft (KB)
 Start Date: 2015.03.15 End Date: 2015.03.15
 Start Time: 04:10:05 End Time: 10:39:29
 Capacity: 8000.00 psig
 Last Calib.: 2015.03.15
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 10 - IF- 1/2" blow
 75 - IS- No return
 10 - FF- No blow
 FS- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud - Oil spots, 100%M	0.07

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr Associates Inc

25-10s-30w Sheridan KS

1515 Wynkoop STE 700
Denver CO, 80202

Kevin Zerr 1-25

Job Ticket: 62422

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2015.03.15 @ 04:10:00

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:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud - Oil spots, 100%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

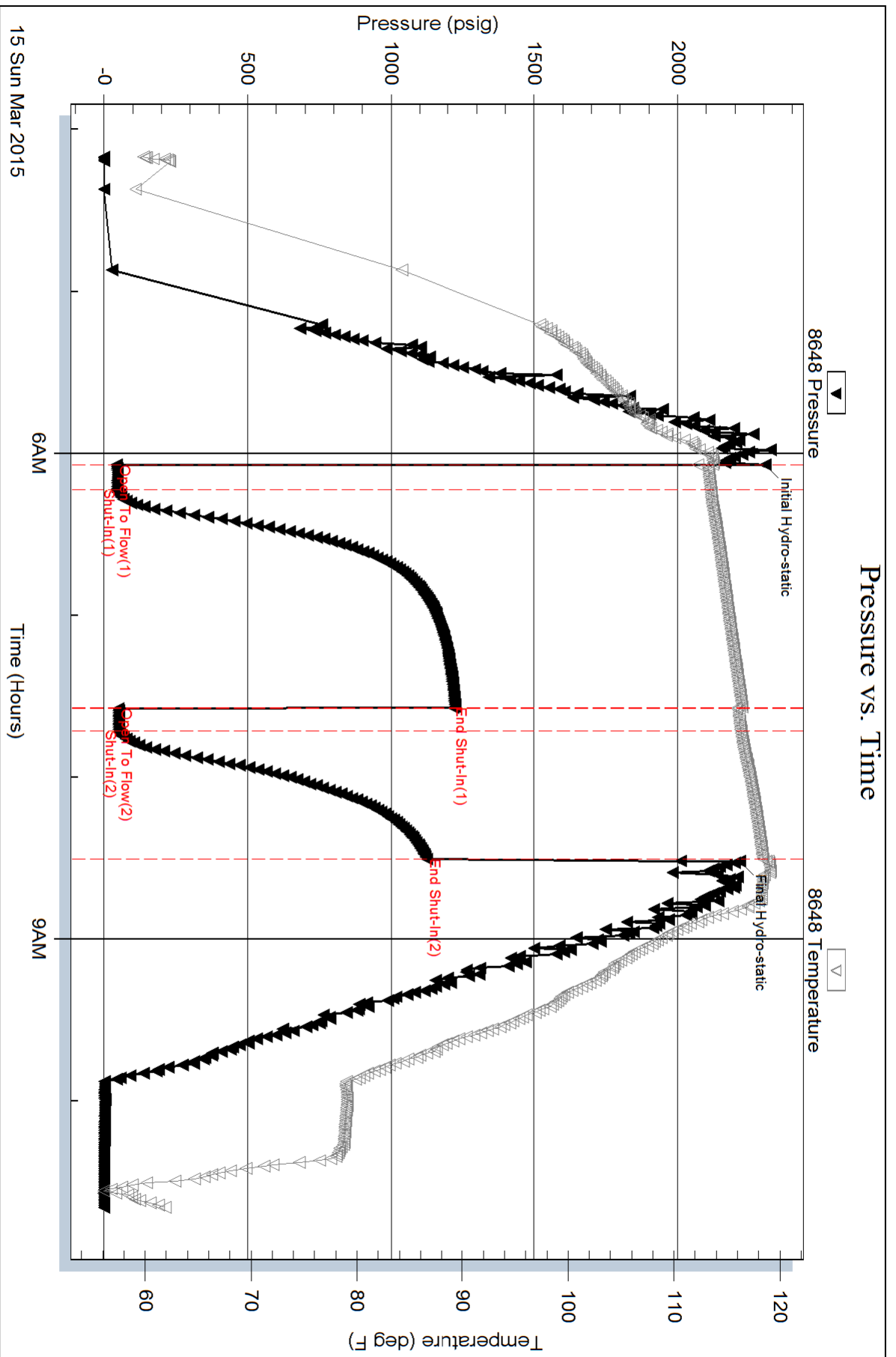
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

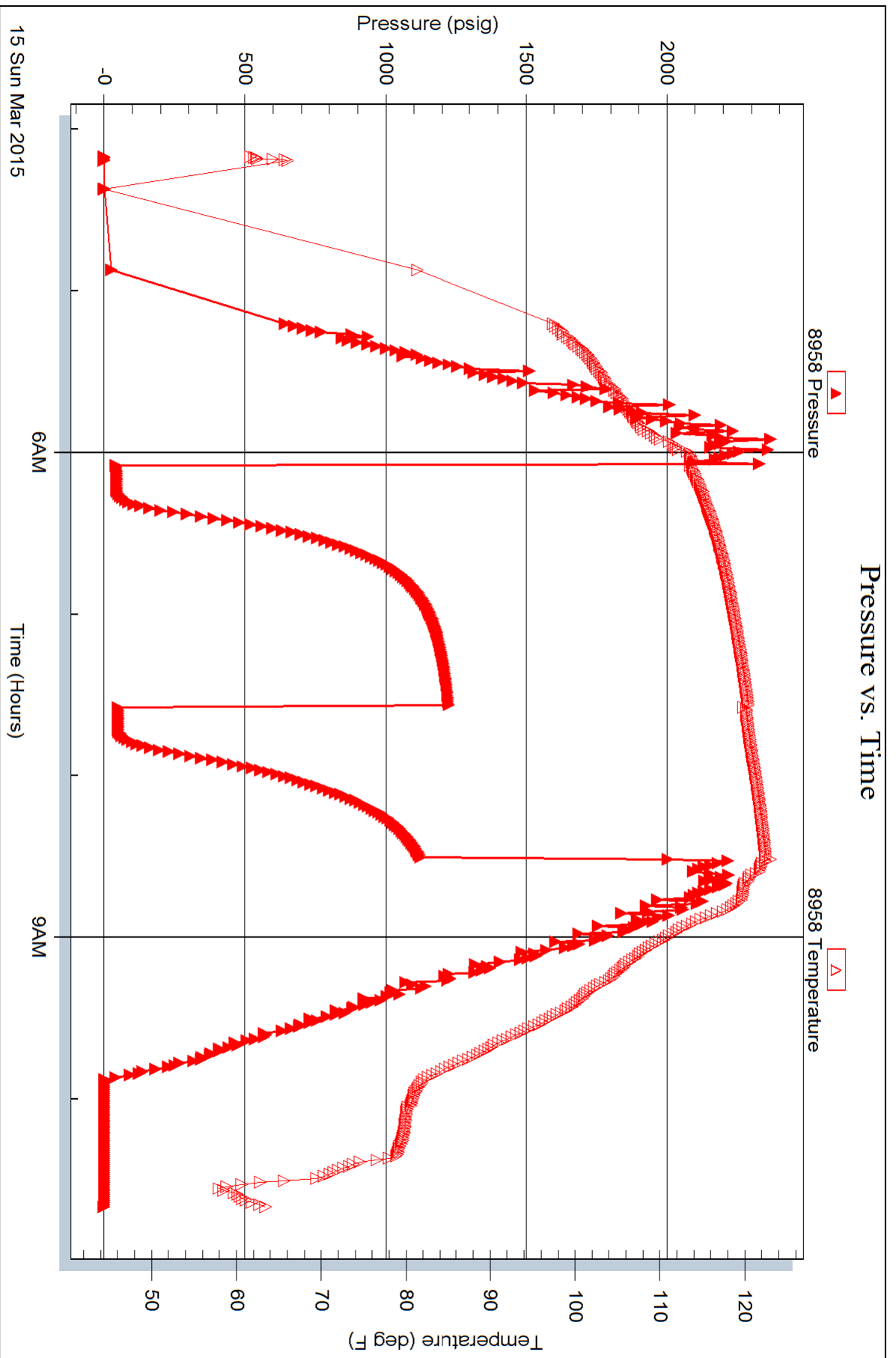


Serial #: 8958

Outside Samuel Gary Jr Associates Inc

Kevin Zerr 1-25

DST Test Number: 4



Serial #: 8940

Fluid

Samuel Gary Jr Associates Inc

Kevin Zerr 1-25

DST Test Number: 4

