



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

Jonas Family Trust #1-10

1515 Wynkoop, STE 700
Denver CO 80202

10-17s-13w Barton, KS

ATTN: Cayton Camozzi

Job Ticket: 55308

DST#: 2

Test Start: 2013.10.23 @ 11:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:27:00

Time Test Ended: 20:53:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3345.00 ft (KB) To 3367.00 ft (KB) (TVD)

Reference Elevations: 2006.00 ft (KB)

Total Depth: 3367.00 ft (KB) (TVD)

1998.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8319 Outside

Press @ Run Depth: 308.25 psig @ 3346.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.23 End Date: 2013.10.23

Last Calib.: 2013.10.23

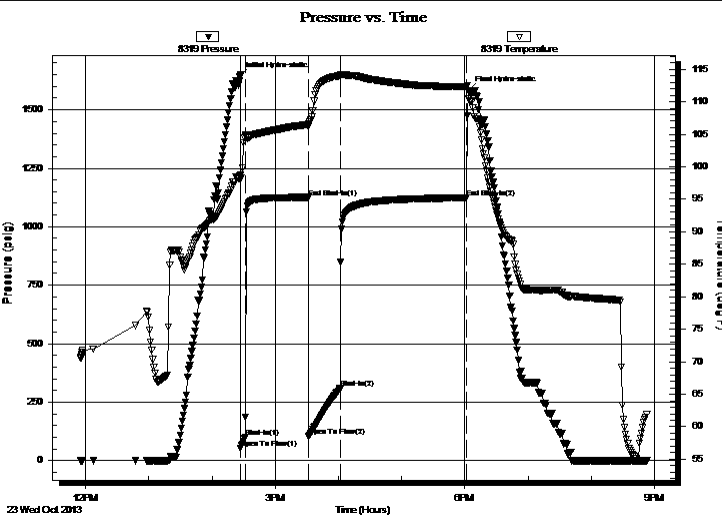
Start Time: 11:55:05 End Time: 20:53:30

Time On Btm: 2013.10.23 @ 14:26:15

Time Off Btm: 2013.10.23 @ 18:03:30

TEST COMMENT: 5min IF-BOB in 3 1/2 min
60min ISI-No blow
30min FF-BOB in 3 1/2 min
120min FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.95	98.51	Initial Hydro-static
1	51.24	98.30	Open To Flow (1)
6	98.77	104.81	Shut-In(1)
65	1125.79	106.51	End Shut-In(1)
66	102.48	106.12	Open To Flow (2)
96	308.25	113.99	Shut-In(2)
216	1123.27	112.28	End Shut-In(2)
218	1582.95	110.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	VSOCW 5%O 95%W	1.83
490.00	GSWCO 10%G 60%O 30%W	6.87
65.00	GMCO 10%G 50%O 40%M	0.91

* Recovery from multiple tests

Gas Rates

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



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Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2006.00 ft (KB)

1998.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8736 Fluid

Press @ Run Depth: psig @ 3315.00 ft (KB)

Start Date: 2013.10.23

End Date: 2013.10.23

Start Time: 11:55:05

End Time: 20:53:45

Capacity: 8000.00 psig

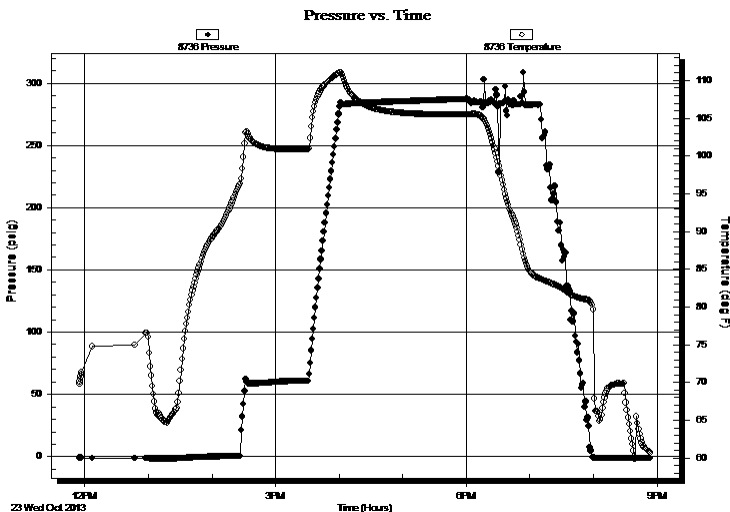
Last Calib.: 2013.10.23

Time On Btm:

Time Off Btm:

TEST COMMENT: 5min IF-BOB in 3 1/2 min
60min ISI-No blow
30min FF-BOB in 3 1/2 min
120min FSI-No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	VSOCW 5%O 95%W	1.83
490.00	GSWCO 10%G 60%O 30%W	6.87
65.00	GMCO 10%G 50%O 40%M	0.91

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Jonas Family Trust #1-10

1515 Wynkoop, STE 700
Denver CO 80202

10-17s-13w Barton, KS

Job Ticket: 55308

DST#: 2

ATTN: Cayton Camozzi

Test Start: 2013.10.23 @ 11:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
150.00	VSOCW 5%O 95%W	1.831
490.00	GSWCO 10%G 60%O 30%W	6.873
65.00	GMCO 10%G 50%O 40%M	0.912

Total Length: 705.00 ft Total Volume: 9.616 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

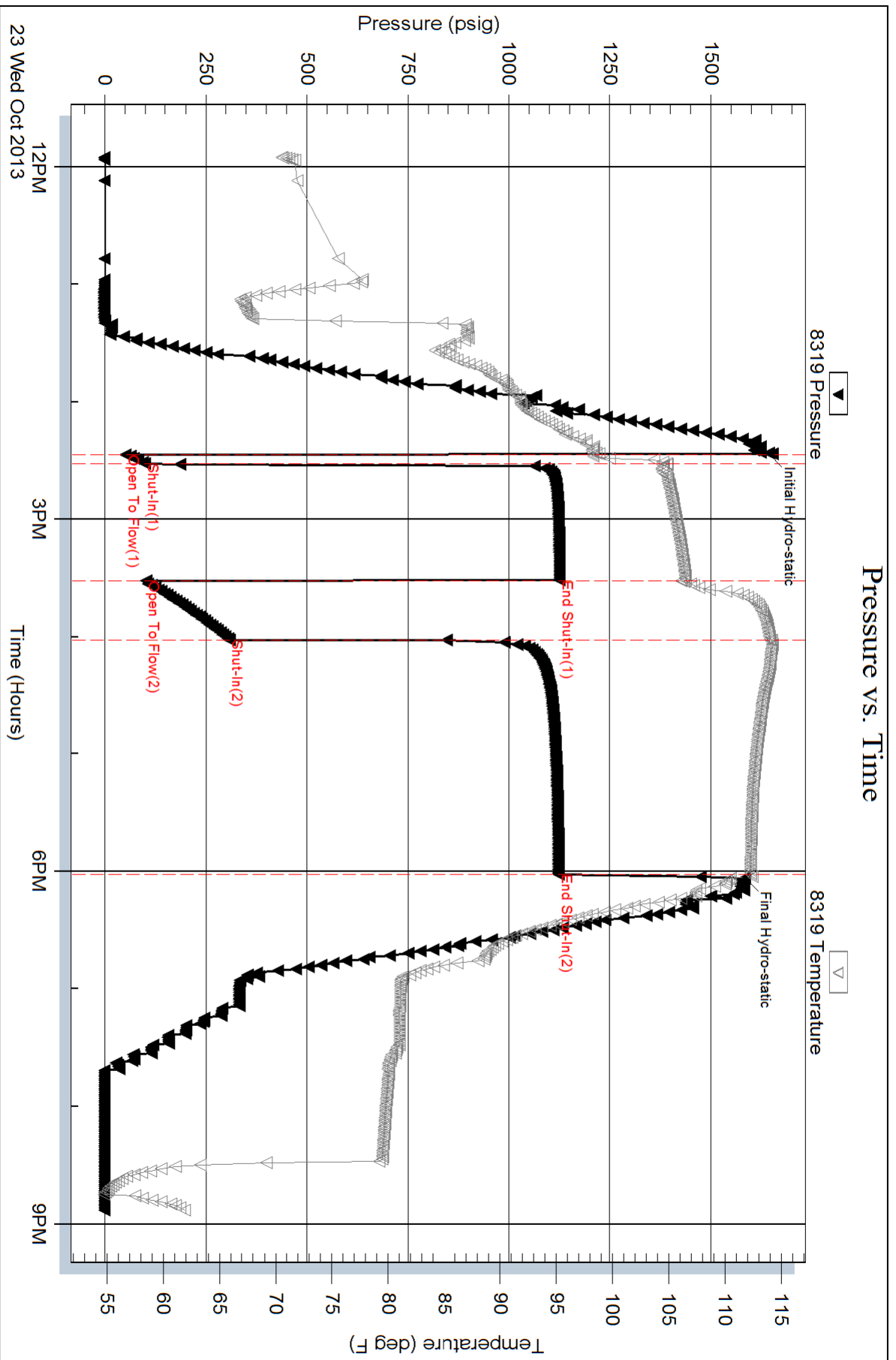
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 1500mlGas 2000mlOil 500ml Water 125PSI RW.35@60

Pressure vs. Time



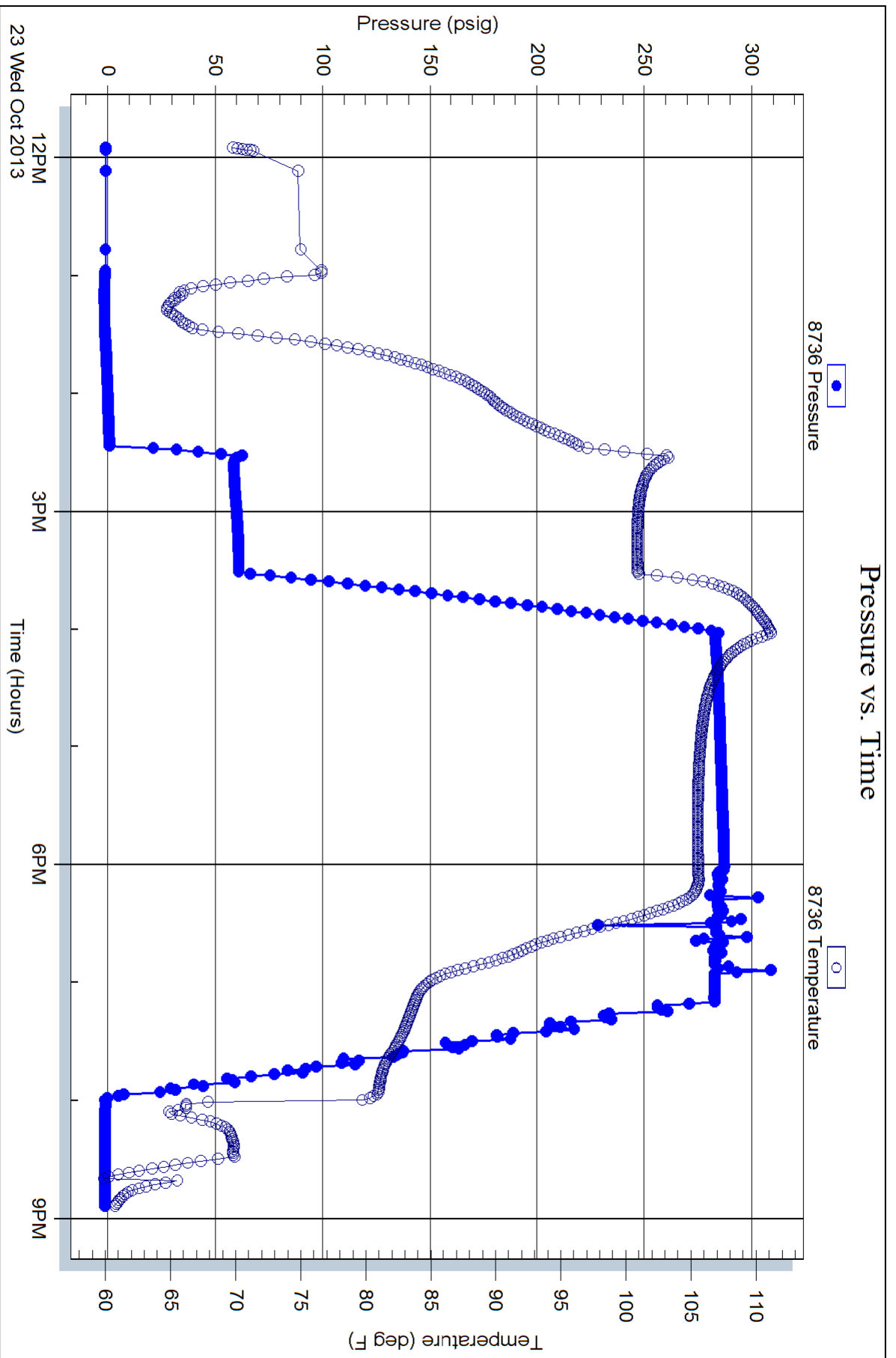
Serial #: 8736

Fluid

Samuel Gary Jr. & Associates, Inc.

10-17s-13w Barton, KS

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 55308

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