



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

27/4s/34w Rawlins KS

1515 Wynkoop STE 700
Denver, CO 80202

Leebrick Farms #1-27

Job Ticket: 60094

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2014.10.19 @ 19:31:00

GENERAL INFORMATION:

Formation: **LKC "A - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:11:45

Time Test Ended: 04:44:30

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 4060.00 ft (KB) To 4114.00 ft (KB) (TVD)

Total Depth: 4114.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3167.00 ft (KB)

3162.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8791 Inside

Press @ Run Depth: 147.75 psig @ 4061.00 ft (KB)

Start Date: 2014.10.19

End Date: 2014.10.20

Start Time: 19:31:05

End Time: 04:44:30

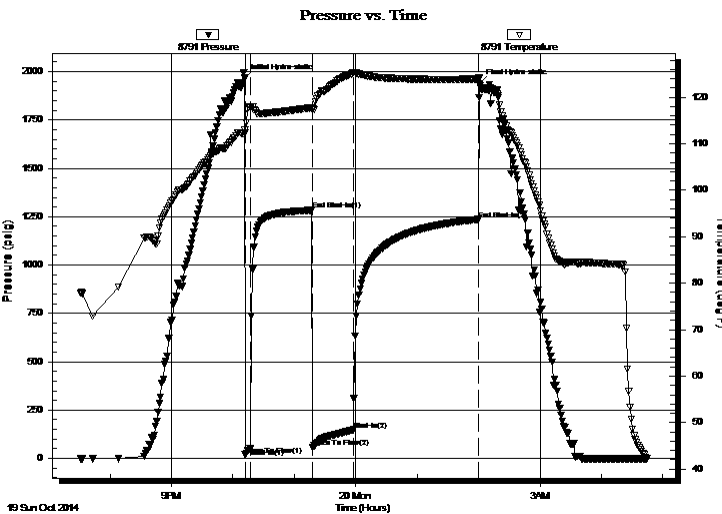
Capacity: 8000.00 psig

Last Calib.: 2014.10.20

Time On Btm: 2014.10.19 @ 22:11:30

Time Off Btm: 2014.10.20 @ 02:01:00

TEST COMMENT: 5 - IF: Blow built to 3"
60 - IS: No blow back
40 - FF: Blow built to BOB (11") at 36 min.
120 - FS: No blow back



PRESSURE SUMMARY

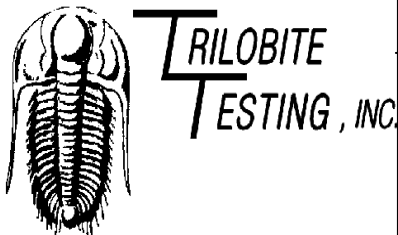
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.65	112.91	Initial Hydro-static
1	17.80	112.31	Open To Flow (1)
6	50.44	117.72	Shut-In(1)
66	1283.26	117.76	End Shut-In(1)
67	55.04	117.33	Open To Flow (2)
106	147.75	125.25	Shut-In(2)
229	1236.23	123.91	End Shut-In(2)
230	1939.54	122.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
128.00	SCMW 93%w, 7%m	0.63
125.00	MW w/trace oil 50%m, 50%w	1.23
35.00	SO/WCM 83%m, 15%m, 2%o	0.49

Gas Rates

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



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Total Depth: 4114.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Reference Elevations: 3167.00 ft (KB)

3162.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Outside

Press @ Run Depth: psig @ 4061.00 ft (KB)

Start Date: 2014.10.19

End Date: 2014.10.20

Start Time: 19:31:05

End Time: 04:44:00

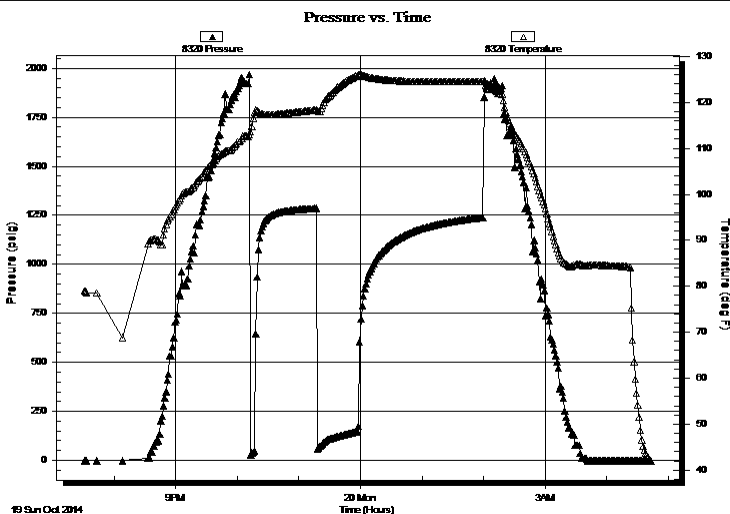
Capacity: 8000.00 psig

Last Calib.: 2014.10.20

Time On Btm:

Time Off Btm:

TEST COMMENT: 5 - IF: Blow built to 3"
60 - ISI: No blow back
40 - FF: Blow built to BOB (11") at 36 min.
120 - FSI: No blow back



PRESSURE SUMMARY

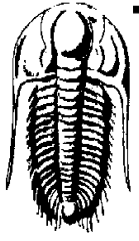
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
128.00	SCMW 93%w, 7%m	0.63
125.00	MW w/trace oil 50%m, 50%w	1.23
35.00	SO/WCM 83%m, 15%m, 2%o	0.49

Gas Rates

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



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Job Ticket: 60094 **DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2014.10.19 @ 19:31:00

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Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 22:11:45 Tester: James Winder

Time Test Ended: 04:44:30 Unit No: 57

Interval: 4060.00 ft (KB) To 4114.00 ft (KB) (TVD) Reference Elevations: 3167.00 ft (KB)

Total Depth: 4114.00 ft (KB) (TVD) 3162.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

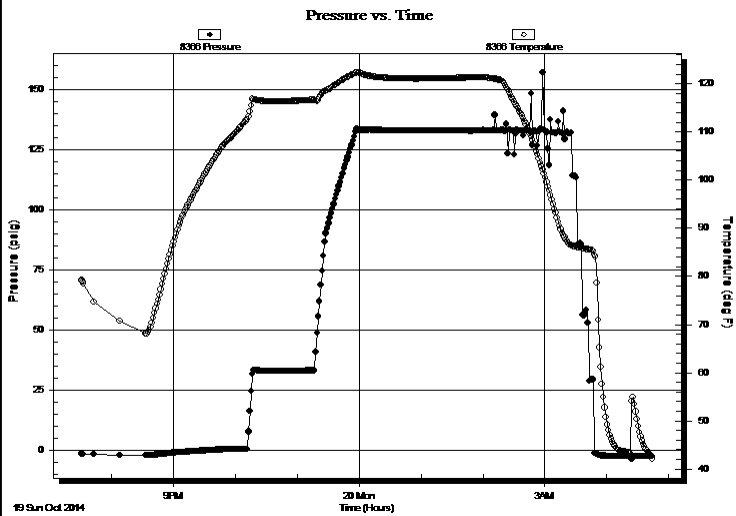
Serial #: 8366 Fluid

Press @ Run Depth: psig @ 4025.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2014.10.19 End Date: 2014.10.20 Last Calib.: 2014.10.20

Start Time: 19:31:05 End Time: 04:45:00 Time On Btm: Time Off Btm:

TEST COMMENT: 5 - IF: Blow built to 3"
 60 - IS: No blow back
 40 - FF: Blow built to BOB (11") at 36 min.
 120 - FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
128.00	SCMW 93%w, 7%m	0.63
125.00	MW w/trace oil 50%m, 50%w	1.23
35.00	SO/WCM 83%m, 15%m, 2%o	0.49

Gas Rates

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



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TESTING, INC.**

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FLUID SUMMARY

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Leebrick Farms #1-27

Job Ticket: 60094

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2014.10.19 @ 19:31:00

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:

44000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

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 bbbl
128.00	SCMW 93%w , 7%m	0.629
125.00	MW w/trace oil 50%m, 50%w	1.225
35.00	SO/WCM 83%m, 15%m, 2%o	0.491

Total Length: 288.00 ft Total Volume: 2.345 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

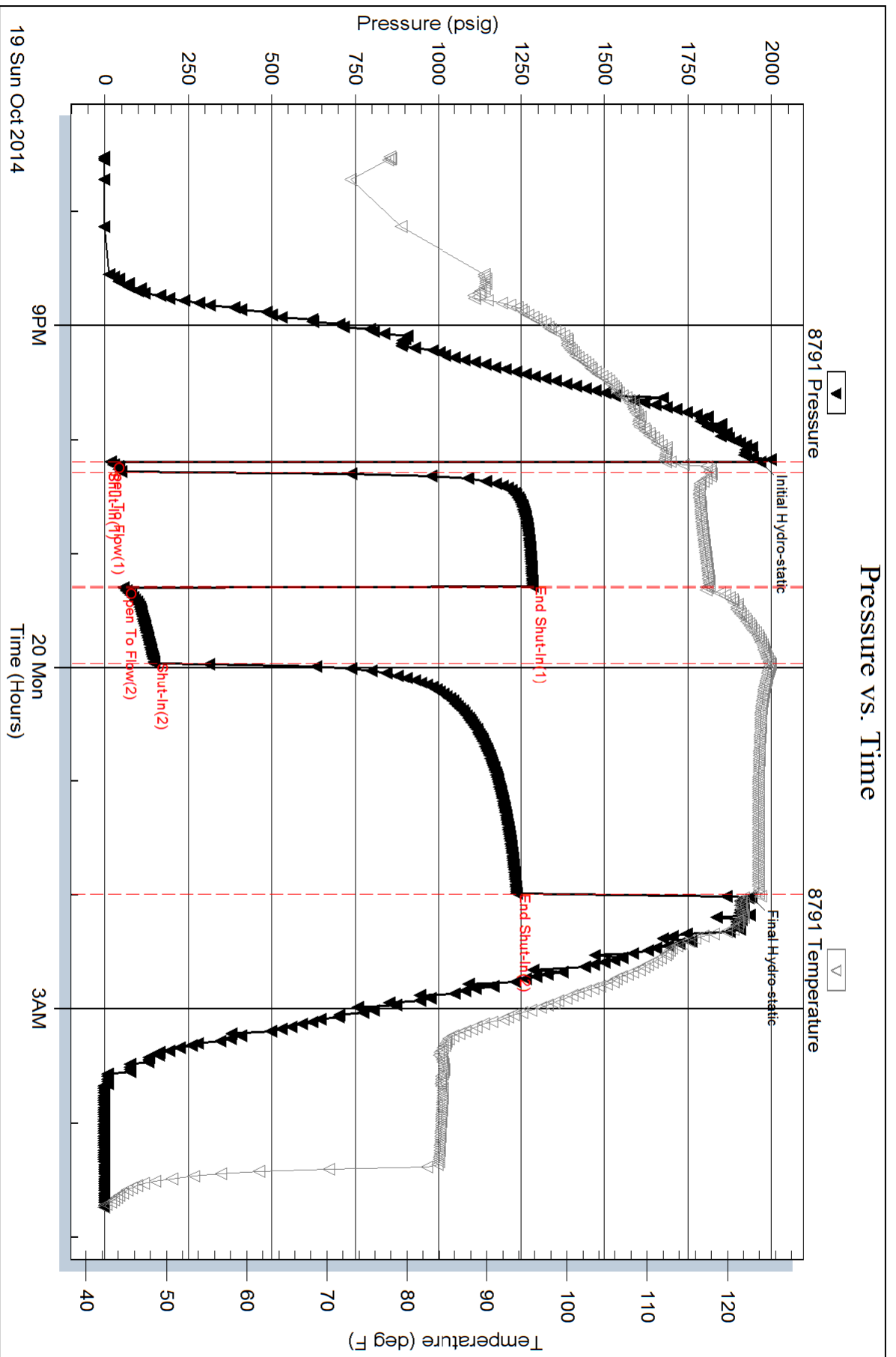
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .275 ohms @ 45.7 deg F Chlorides = 44,000 ppm

Sampler = 360 PSI, 1800 mL Water 98%w , 2%m, 600 mL SO/MCW 63%w , 32%m, 5%o RW = .237 ohms @ 46.4 deg F Chlorides = 50,000 ppm

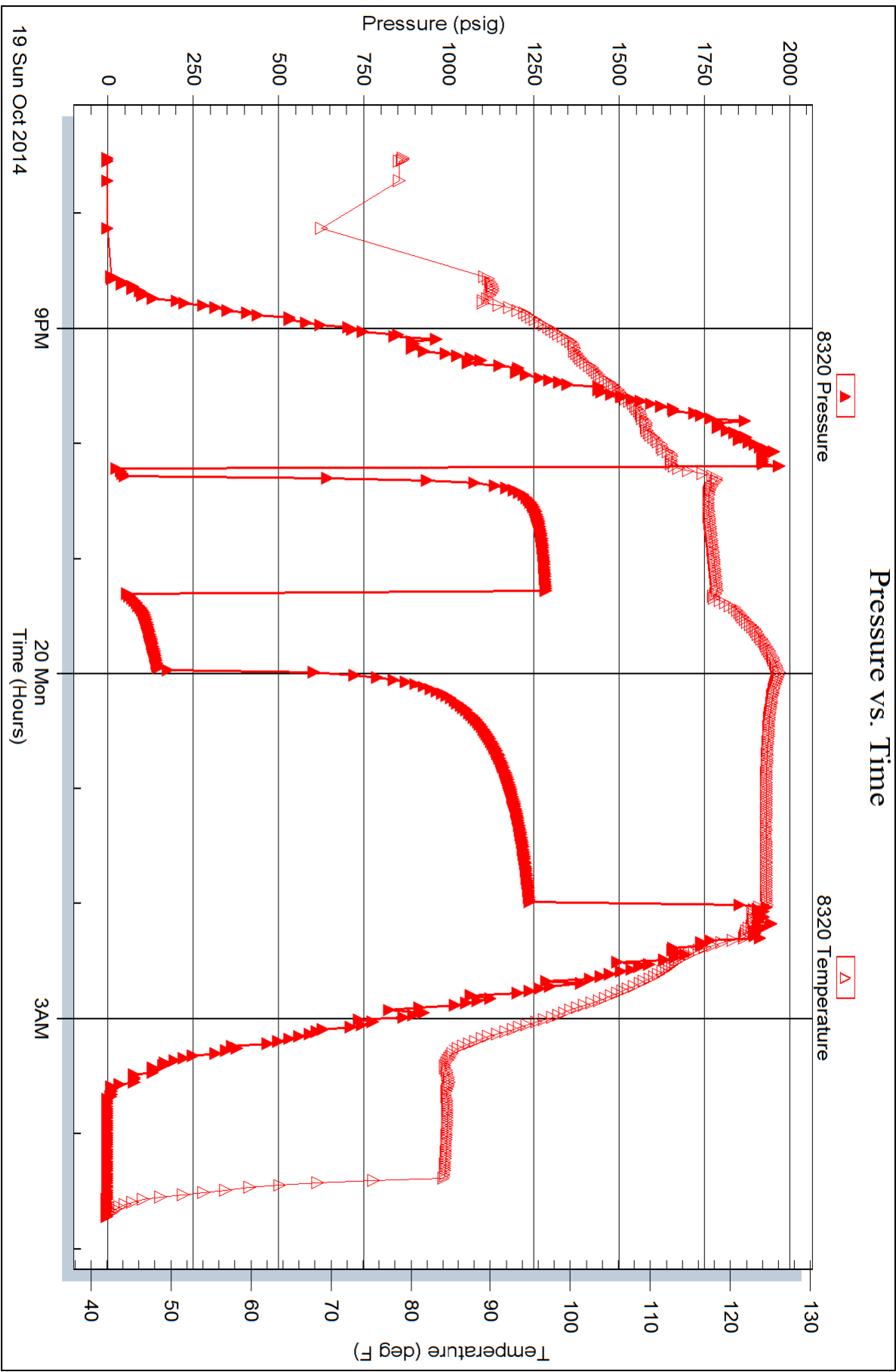


Serial #: 8320

Outside Samuel Gary Jr. & Associates

Leebrick Farms #1-27

DST Test Number: 1



Serial #: 8366

Fluid

Samuel Gary Jr. & Associates

Leebrick Farms #1-27

DST Test Number: 1

