



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr. And Associates

29-17-12, Barton, KS

1515 Wynkoop STE 700
Denver CO 80202

Victor #1-29

Job Ticket: 58965

DST#: 1

ATTN: Dan Pritchard

Test Start: 2014.05.30 @ 06:25:00

GENERAL INFORMATION:

Formation: **KC"D-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:21:15

Time Test Ended: 16:33:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3194.00 ft (KB) To 3238.00 ft (KB) (TVD)

Reference Elevations: 1886.00 ft (KB)

Total Depth: 3238.00 ft (KB) (TVD)

1876.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8934

Inside

Press@RunDepth: 154.50 psig @ 3202.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.30

End Date:

2014.05.30

Last Calib.:

2014.05.30

Start Time: 06:25:05

End Time:

16:33:15

Time On Btm:

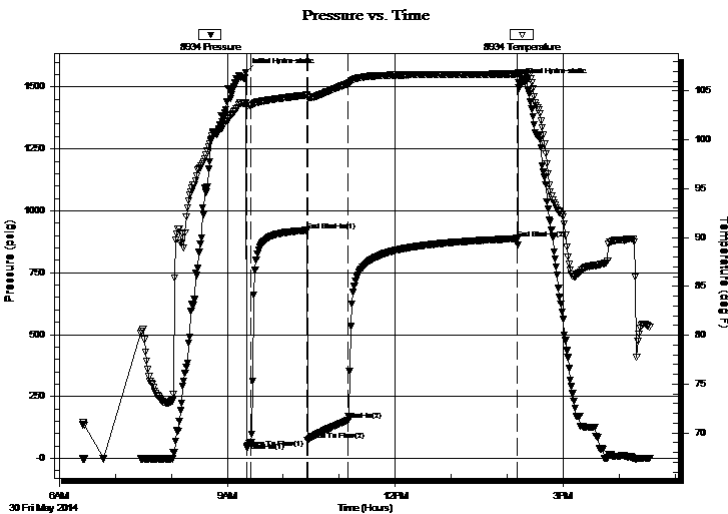
2014.05.30 @ 09:19:45

Time Off Btm:

2014.05.30 @ 14:12:00

TEST COMMENT: 5min IF-8in blow
60min ISI-No blow
45min FF-BOB in 1min
180min FSI-7in blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.05	103.77	Initial Hydro-static
2	41.93	103.57	Open To Flow (1)
6	64.93	103.53	Shut-In(1)
65	920.95	104.58	End Shut-In(1)
67	73.47	104.36	Open To Flow (2)
110	154.50	105.76	Shut-In(2)
291	887.80	106.76	End Shut-In(2)
293	1517.95	106.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	OS MCW 70%W 30%M	0.77
65.00	VGSWCO 50%G 40%O 10%W	0.91
195.00	VGOCM 40%G 30%O 40%M	2.74
0.00	620ft GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr. And Associates

29-17-12, Barton, KS

1515 Wynkoop STE 700
Denver CO 80202

Victor #1-29

Job Ticket: 58965

DST#: 1

ATTN: Dan Pritchard

Test Start: 2014.05.30 @ 06:25:00

GENERAL INFORMATION:

Formation: **KC"D-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:21:15

Time Test Ended: 16:33:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3194.00 ft (KB) To 3238.00 ft (KB) (TVD)

Reference Elevations: 1886.00 ft (KB)

Total Depth: 3238.00 ft (KB) (TVD)

1876.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8736

Fluid

Press@RunDepth: psig @ 3163.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.30 End Date: 2014.05.30

Last Calib.: 2014.05.30

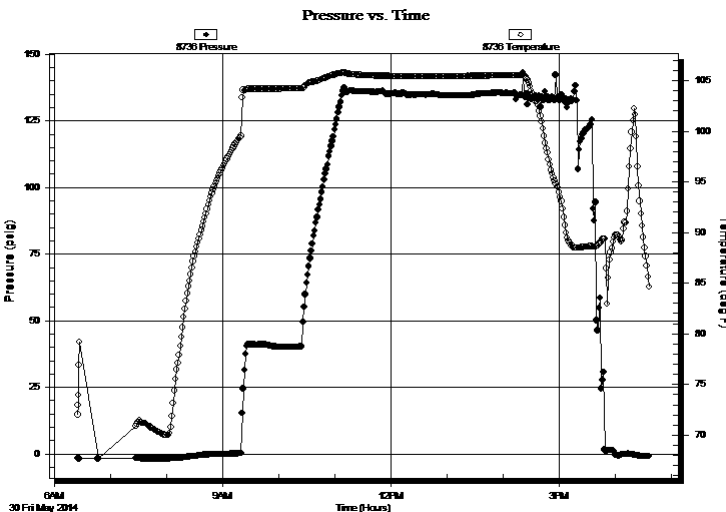
Start Time: 06:25:05 End Time: 16:36:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 5min IF-8in blow
60min ISI-No blow
45min FF-BOB in 1min
180min FSI-7in blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
55.00	OS MCW 70%W 30%M	0.77
65.00	VGSWCO 50%G 40%O 10%W	0.91
195.00	VGOCM 40%G 30%O 40%M	2.74
0.00	620ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. And Associates

29-17-12, Barton, KS

1515 Wynkoop STE 700
Denver CO 80202

Victor #1-29

Job Ticket: 58965

DST#: 1

ATTN: Dan Pritchard

Test Start: 2014.05.30 @ 06:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

72000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	OS MCW 70%W 30%M	0.772
65.00	VGSWCO 50%G 40%O 10%W	0.912
195.00	VGOCM 40%G 30%O 40%M	2.735
0.00	620ft GIP	0.000

Total Length: 315.00 ft

Total Volume: 4.419 bbl

Num Fluid Samples: 0

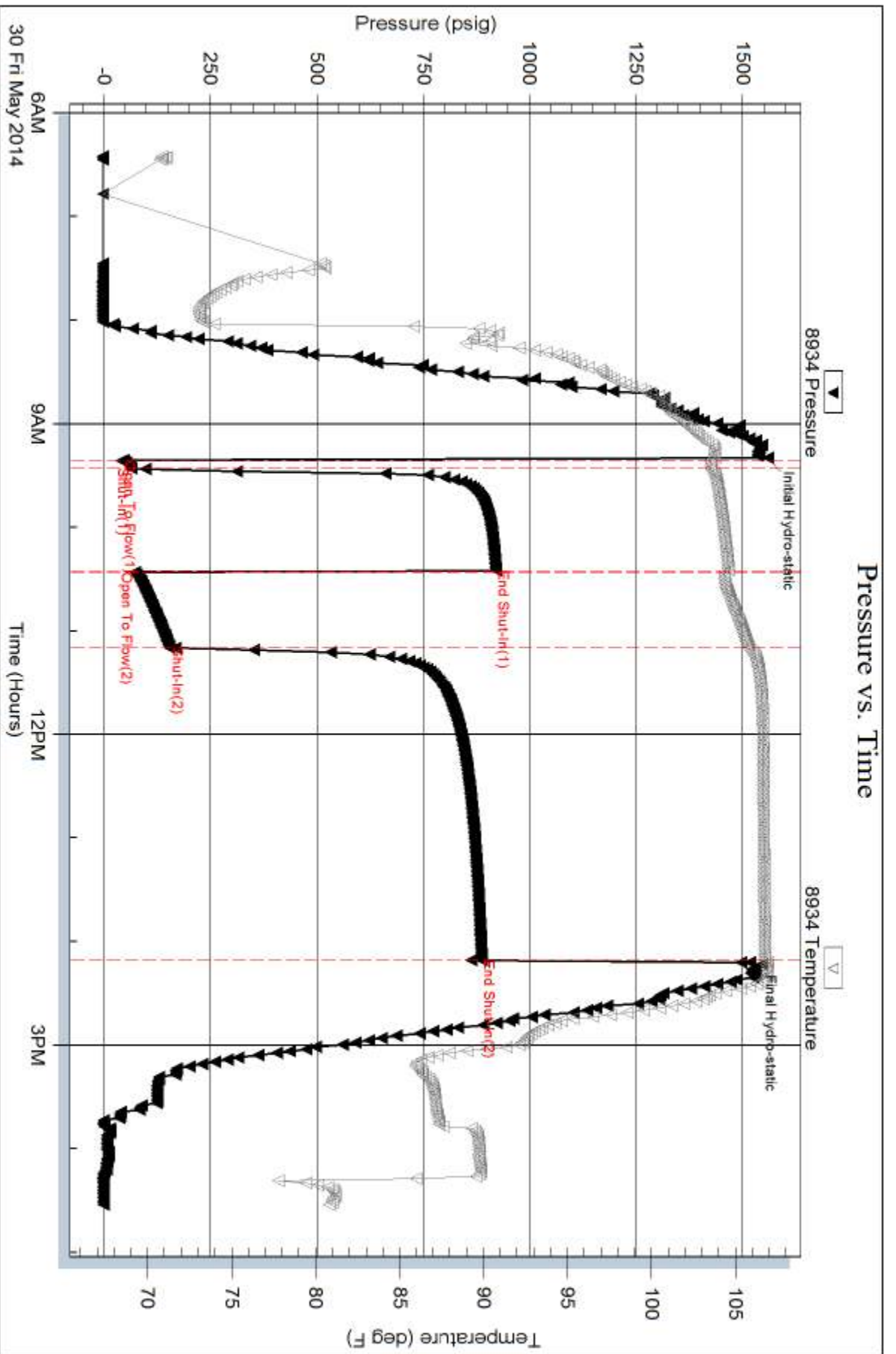
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 2400mlOil 200ml Water 100ml Mud 1300mlGas 410PSI
RW .12 @ 65



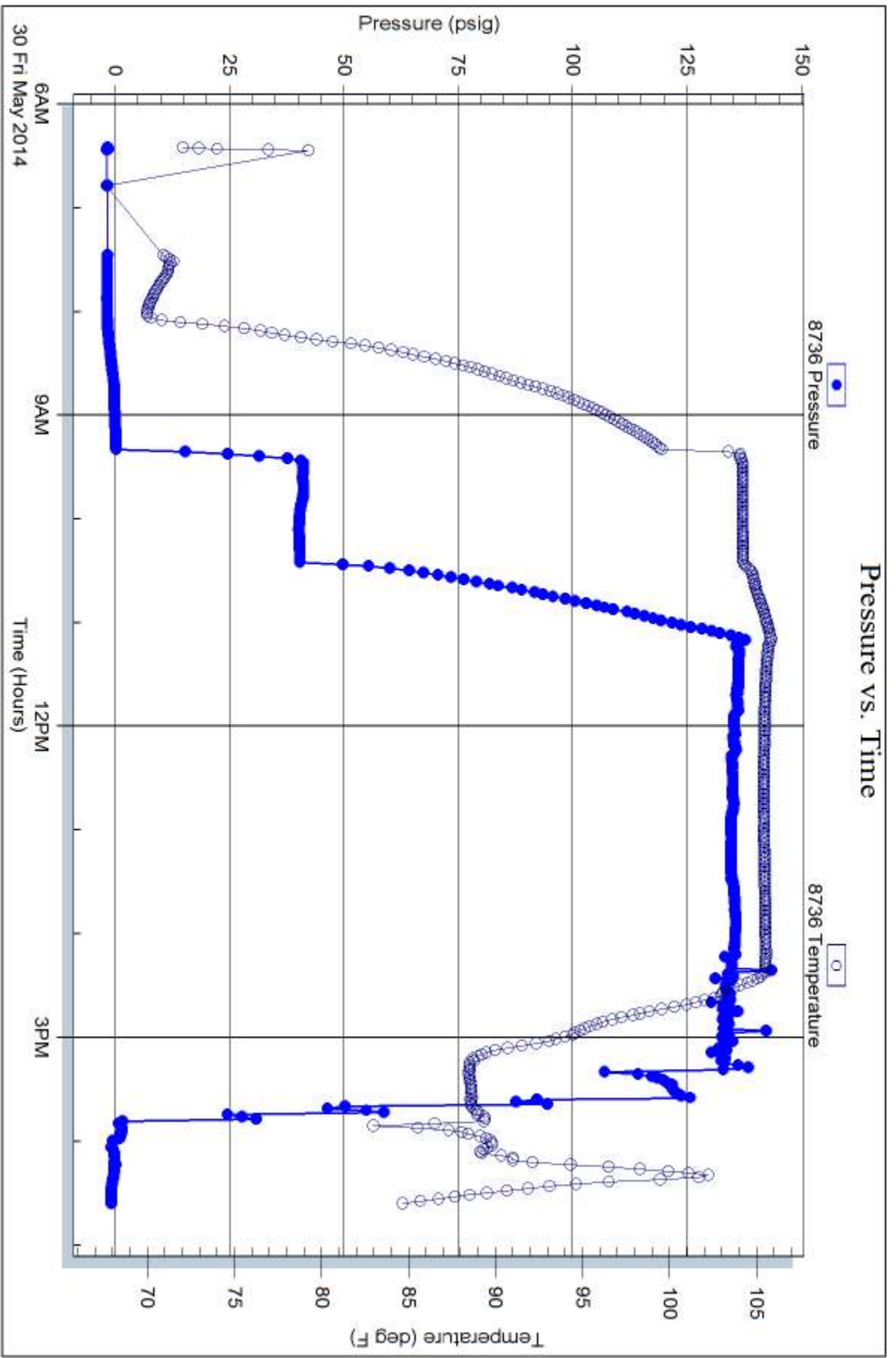
Serial #: 8736

Fluid

Sam Gary Jr. And Associates

Victor #1-29

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58965

Printed: 2014.05.30 @ 17:09:11