



**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: 58967

DST#: 3

ATTN: Dan Pritchard

Test Start: 2014.05.31 @ 19:38:00

GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:40:00

Time Test Ended: 04:11:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 59

Interval: 3306.00 ft (KB) To 3342.00 ft (KB) (TVD)

Reference Elevations: 1886.00 ft (KB)

Total Depth: 3342.00 ft (KB) (TVD)

1876.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8957 Outside

Press @ Run Depth: 22.87 psig @ 3307.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.31

End Date:

2014.06.01

Last Calib.:

2014.06.01

Start Time: 19:38:05

End Time:

04:11:15

Time On Btm:

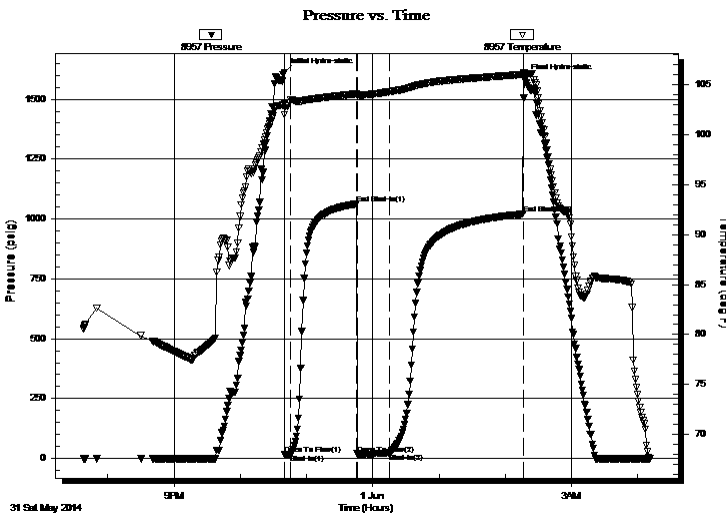
2014.05.31 @ 22:39:45

Time Off Btm:

2014.06.01 @ 02:17:30

TEST COMMENT: 5-IF-Built to 1 1/8"
60-ISI-No Return
30-FF-6 3/4"
120-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1611.96	103.07	Initial Hydro-static
1	16.41	102.01	Open To Flow (1)
6	17.98	103.50	Shut-In(1)
66	1062.51	104.06	End Shut-In(1)
67	18.48	103.96	Open To Flow (2)
96	22.87	104.28	Shut-In(2)
217	1020.72	106.00	End Shut-In(2)
218	1587.09	106.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM, 40%o, 60%m	0.35

Gas Rates

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

* Recovery from multiple tests



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Reference Elevations: 1886.00 ft (KB)

Total Depth: 3342.00 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 @ Run Depth: psig @ 3307.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.31

End Date:

2014.06.01

Last Calib.:

2014.06.01

Start Time: 19:38:05

End Time:

04:11:00

Time On Btm:

Time Off Btm:

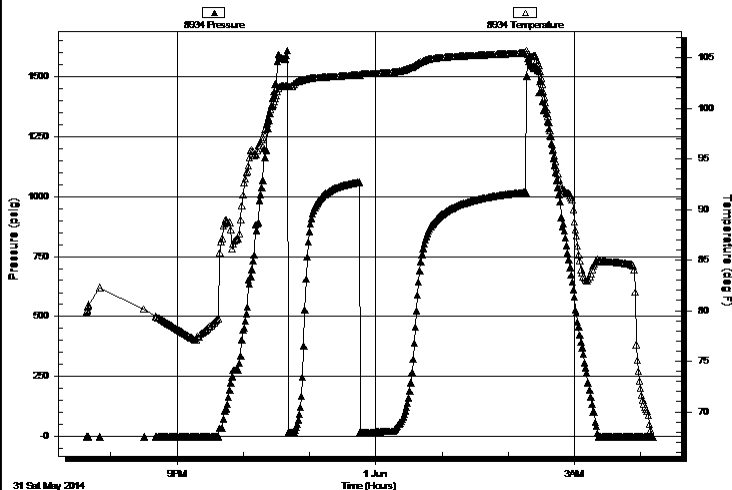
TEST COMMENT: 5-IF-Built to 1 1/8"

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30-FF-6 3/4"

120-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM, 40%o, 60%m	0.35

Gas Rates

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

* Recovery from multiple tests



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Job Ticket: 58967

DST#: 3

ATTN: Dan Pritchard

Test Start: 2014.05.31 @ 19:38:00

GENERAL INFORMATION:

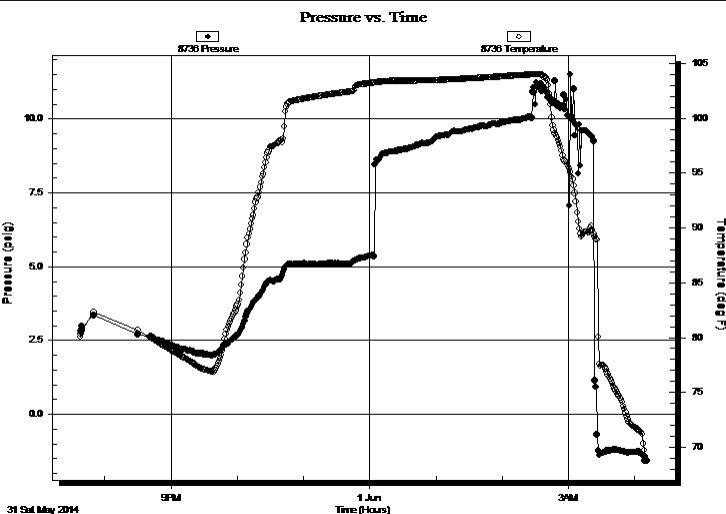
Formation: **LKC "I-J"**
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 Time Test Ended: 04:11:15
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 Total Depth: 3342.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Phillip Gage
 Unit No: 59
 Reference Elevations: 1886.00 ft (KB)
 1876.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8736

Fluid

Press @ RunDepth: psig @ 3275.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.31 End Date: 2014.06.01 Last Calib.: 2014.06.01
 Start Time: 19:38:05 End Time: 04:10:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: 5-IF-Built to 1 1/8"
 60-ISI-No Return
 30-FF-6 3/4"
 120-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM, 40%o, 60%m	0.35

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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29-17-12, Barton, KS

1515 Wynkoop STE 700
Denver CO 80202

Victor #1-29

Job Ticket: 58967

DST#: 3

ATTN: Dan Pritchard

Test Start: 2014.05.31 @ 19:38:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
25.00	OCM, 40%o, 60%m	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

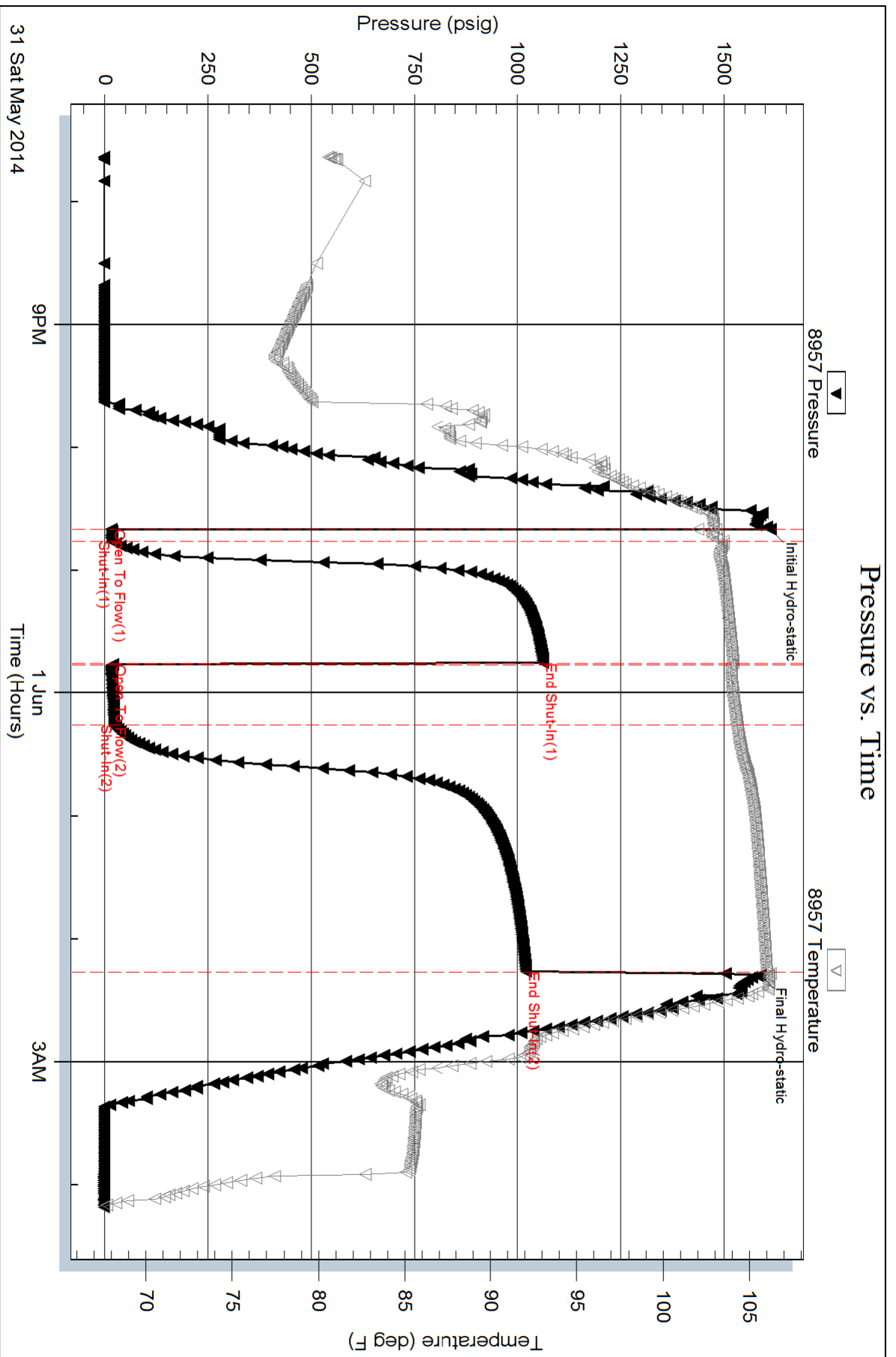
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



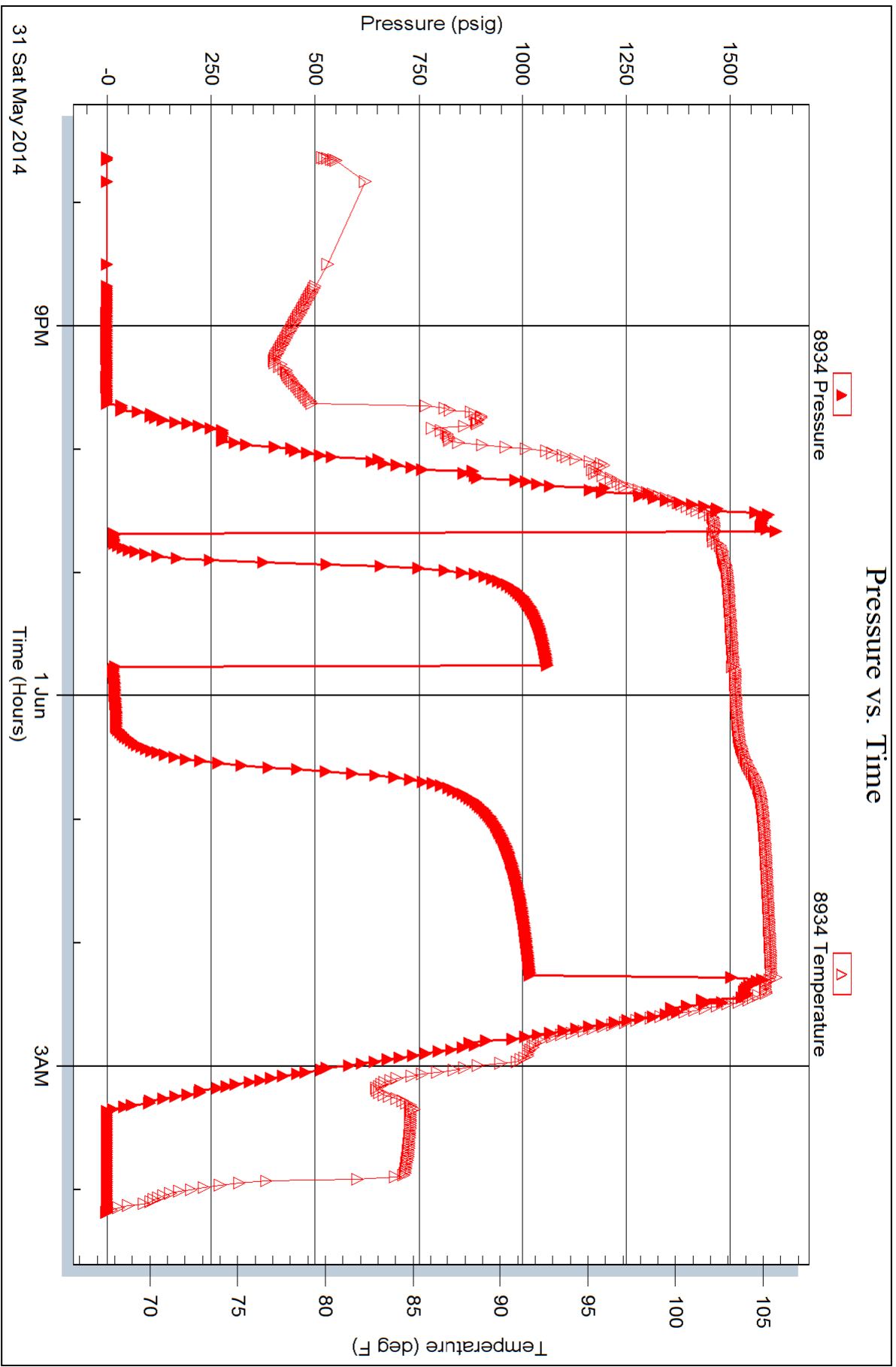
Serial #: 8934

Inside

Sam Gary Jr. And Associates

Victor #1-29

DST Test Number: 3



Serial #: 8736

Fluid

Sam Gary Jr. And Associates

Victor #1-29

DST Test Number: 3

