



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

29-15-15 Russell, Ks

1515 Wynkoop St. Ste 700
Denver, CO 80202

Kraft 1-29

Job Ticket: 36064

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.03.06 @ 09:10:29

GENERAL INFORMATION:

Formation: **LKC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:53:59

Time Test Ended: 16:13:59

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 3166.00 ft (KB) To 3234.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3234.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 59.55 psig @ 3168.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.06

End Date:

2012.03.06

Last Calib.:

1899.12.30

Start Time:

09:10:30

End Time:

16:13:59

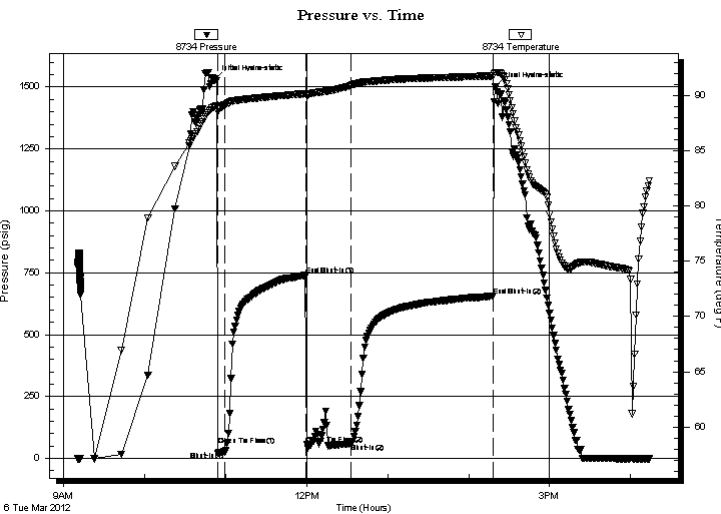
Time On Btm:

2012.03.06 @ 10:51:29

Time Off Btm:

2012.03.06 @ 14:19:59

TEST COMMENT: 5 - IFP - weak to fair blow 1/2" - 4"
60 - ISI - no blow back
35 - FFP - BOB 10 min
105 - FSI - sur blow back - died 7 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1528.51	88.96	Initial Hydro-static
3	20.27	88.51	Open To Flow (1)
8	26.41	89.16	Shut-In(1)
68	739.35	90.16	End Shut-In(1)
69	54.98	90.02	Open To Flow (2)
102	59.55	90.93	Shut-In(2)
207	655.68	91.78	End Shut-In(2)
209	1500.77	92.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GOCM 20%G, 15%O, 65%M	0.91
35.00	SOCM 5%O, 95%M	0.49

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.03.06 @ 09:10:29

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 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
65.00	GOCM 20%G, 15%O, 65%M	0.912
35.00	SOCM 5%O, 95%M	0.491

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0

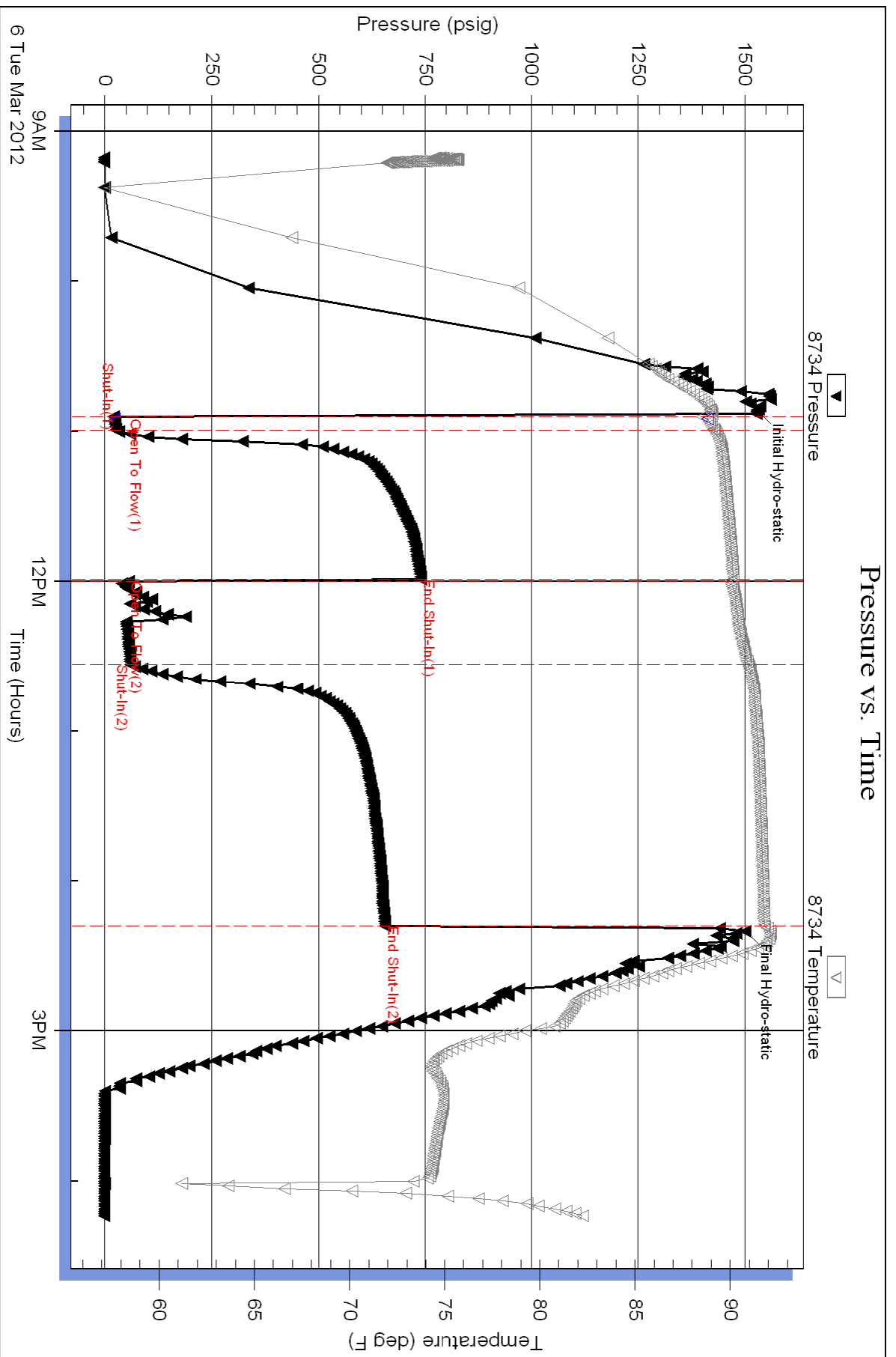
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2000 ml G, 1600 ml O, 400 ml M, 310 LBS



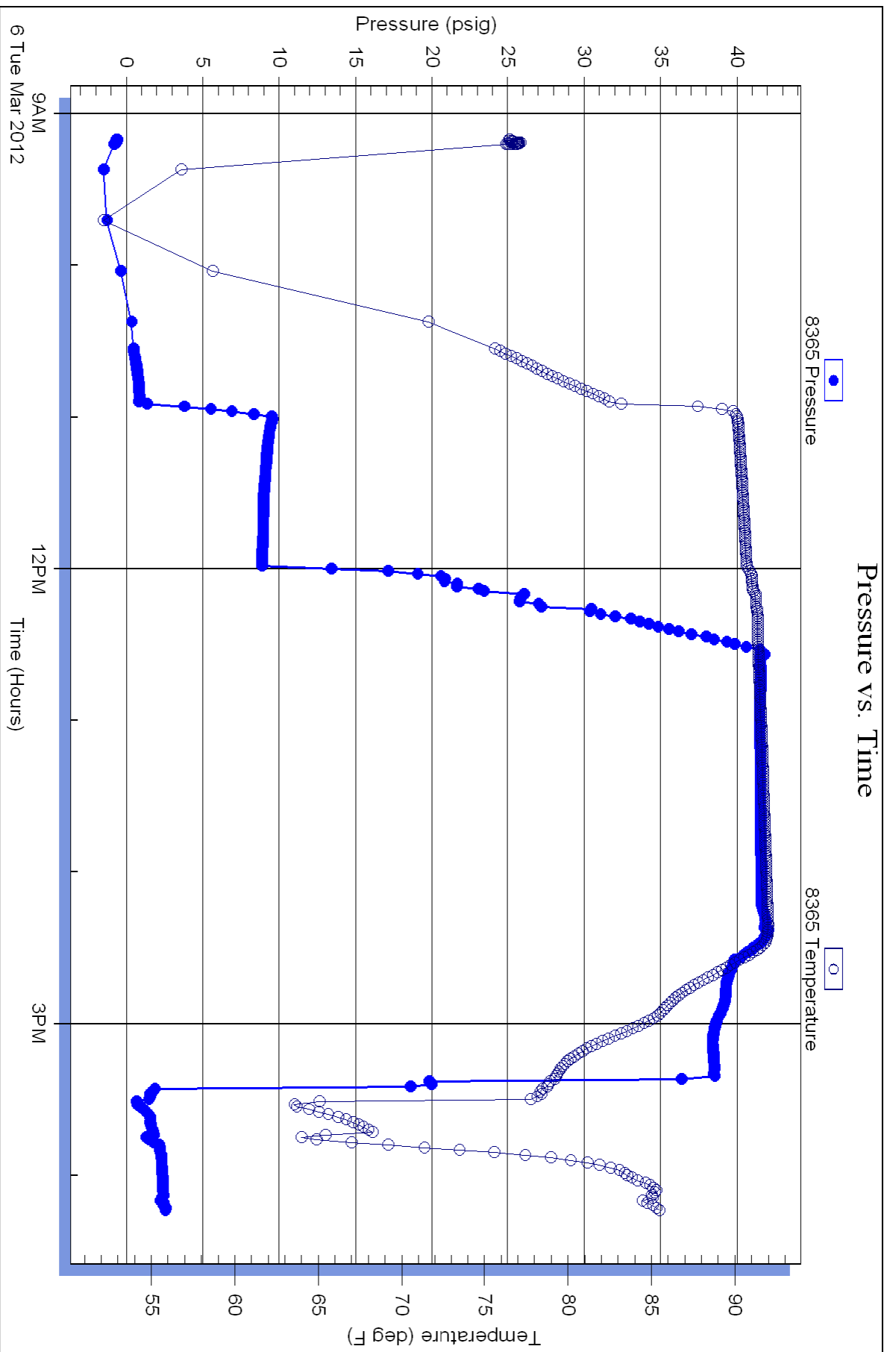
Serial #: 8365

Fluid

Samuel Gary Jr. and Associates, Inc.

Kraft-1-29

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 36064

Printed: 2012.03.06 @ 17:14:27