



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr. & Associates, Inc.

11-5S-23W - Norton, KS

1515 Wynkoop STE #700
Denver, CO 80202

Hager Trust #2-11

Job Ticket: 56961

DST#: 1

ATTN: Clayton Camozze

Test Start: 2014.03.18 @ 00:34:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:35:30

Time Test Ended: 08:12:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

Interval: 3422.00 ft (KB) To 3441.00 ft (KB) (TVD)

Reference Elevations: 2201.00 ft (KB)

Total Depth: 3441.00 ft (KB) (TVD)

2191.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8874 Inside

Press@RunDepth: 18.71 psig @ 3423.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.18

End Date:

2014.03.18

Last Calib.:

2014.03.18

Start Time: 00:35:00

End Time:

08:12:30

Time On Btm:

2014.03.18 @ 02:35:00

Time Off Btm:

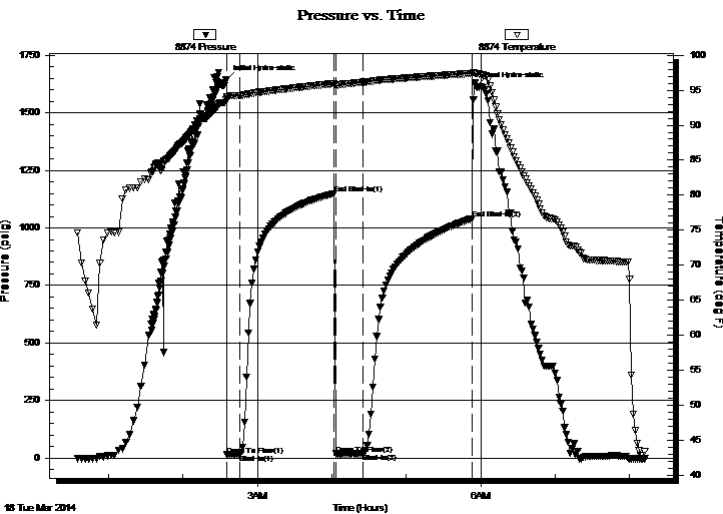
2014.03.18 @ 05:56:30

TEST COMMENT: 10 - IF- Surface Blow built to 1/8"

75 - IS- No Return

25 - FF- No Blow

90 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.82	94.10	Initial Hydro-static
1	13.80	93.72	Open To Flow (1)
11	17.52	94.24	Shut-In(1)
87	1149.51	95.94	End Shut-In(1)
88	18.34	95.58	Open To Flow (2)
110	18.71	96.15	Shut-In(2)
198	1039.95	97.39	End Shut-In(2)
202	1614.48	97.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & Associates, Inc.

11-5S-23W - Norton, KS

1515 Wynkoop STE #700
Denver, CO 80202

Hager Trust #2-11

Job Ticket: 56961

DST#: 1

ATTN: Clayton Camozze

Test Start: 2014.03.18 @ 00:34:00

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: ppm

Viscosity: 60.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

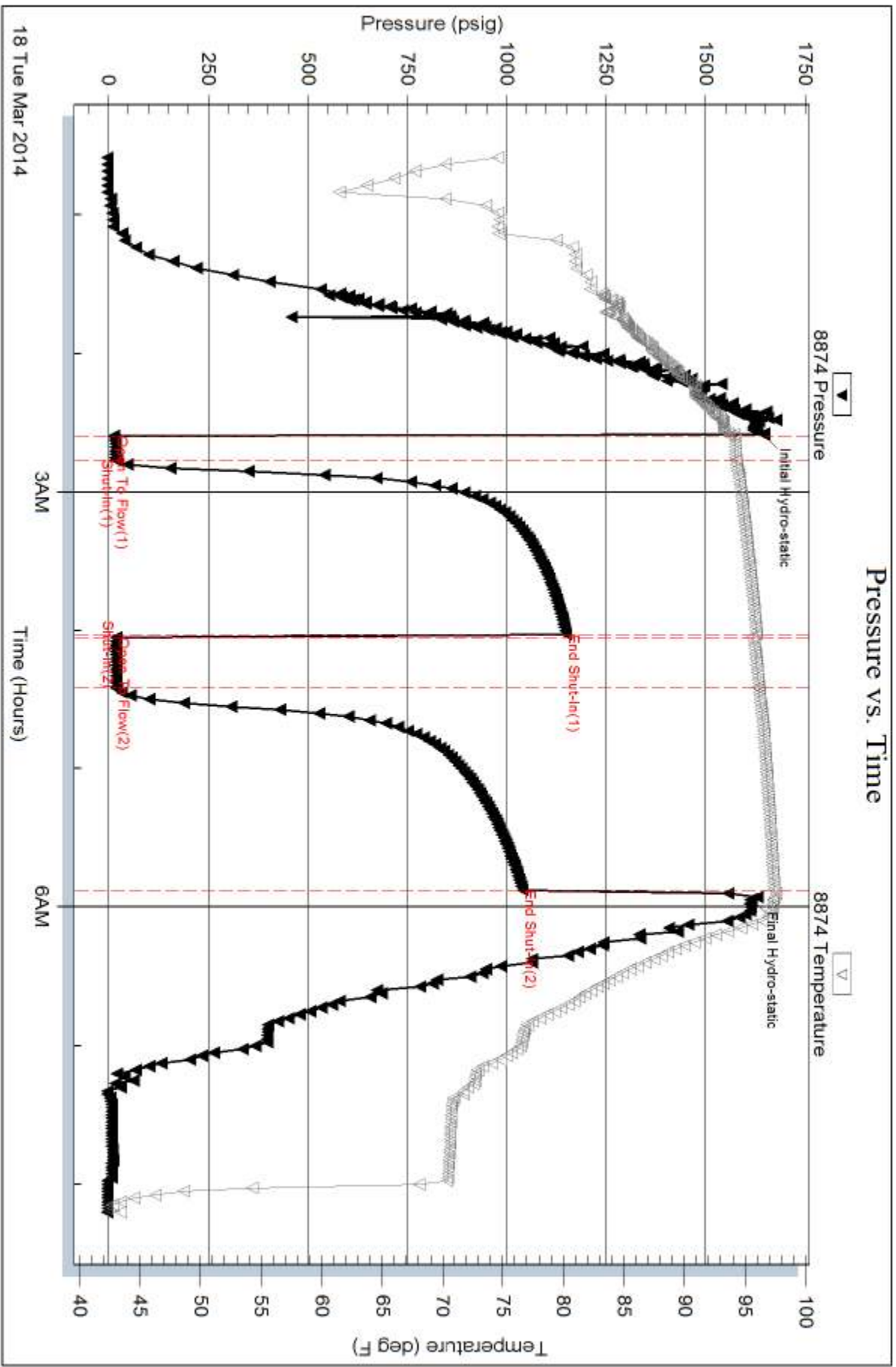
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8520

Fluid

Sam Gary Jr. & Associates, Inc.

Hager Trust #2-11

DST Test Number: 1

