



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

34-12S-23W Trego, KS

Fabrizius Et Al 1-34

Job Ticket: 53926

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2013.07.13 @ 13:42:00

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:48:00

Time Test Ended: 21:37:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody/Brannan

Unit No: 53

Interval: 3742.00 ft (KB) To 3771.00 ft (KB) (TVD)

Reference Elevations: 2339.00 ft (KB)

Total Depth: 3771.00 ft (KB) (TVD)

2331.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8648 Outside

Press @ Run Depth: 121.94 psig @ 3743.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.13

End Date: 2013.07.13

Last Calib.: 2013.07.13

Start Time: 13:42:05

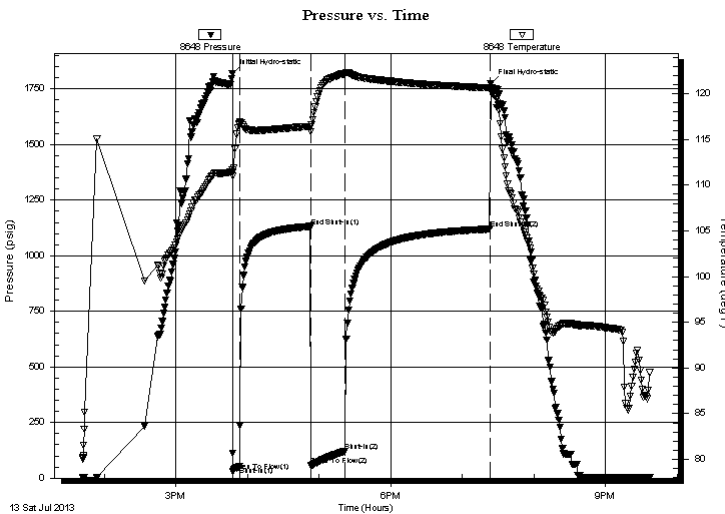
End Time: 21:37:14

Time On Btm: 2013.07.13 @ 15:47:30

Time Off Btm: 2013.07.13 @ 19:23:45

TEST COMMENT: 005 - IF-4" blow
060 - IS- No return
030 - FF- B.O.B. in 18 minutes
120 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.31	111.61	Initial Hydro-static
1	29.27	111.40	Open To Flow (1)
6	52.01	116.73	Shut-In(1)
66	1131.67	116.42	End Shut-In(1)
66	57.60	115.87	Open To Flow (2)
95	121.94	122.17	Shut-In(2)
216	1120.08	120.64	End Shut-In(2)
217	1774.06	120.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	MW, 30% m, 70% W - show of oil	2.34
20.00	Free oil, 100% O	0.28

Gas Rates

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



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Reference Elevations: 2339.00 ft (KB)

Total Depth: 3771.00 ft (KB) (TVD)

2331.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Fluid

Press @ Run Depth: psig @ 3705.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.13

End Date:

2013.07.13

Last Calib.:

2013.07.13

Start Time:

13:42:05

End Time:

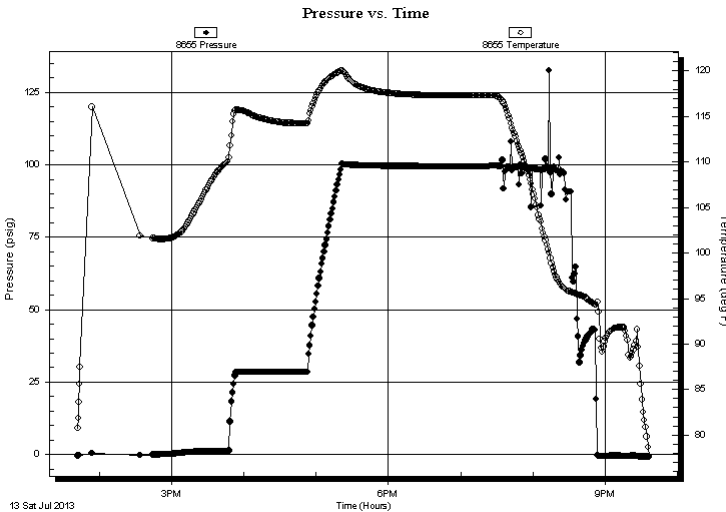
21:37:14

Time On Btm:

Time Off Btm:

TEST COMMENT: 005 - IF-4"blow
060 - IS- No return
030 - FF- B.O.B. in 18 minutes
120 - FS- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
186.00	MW, 30%w, 70%W - show of oil	2.34
20.00	Free oil, 100%O	0.28

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates

34-12S-23W Trego, KS

Fabrizius Et Al 1-34

Job Ticket: 53926

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2013.07.13 @ 13:42:00

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:

38000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	MW, 30% _m , 70% _W - show of oil	2.336
20.00	Free oil, 100% _O	0.281

Total Length: 206.00 ft Total Volume: 2.617 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

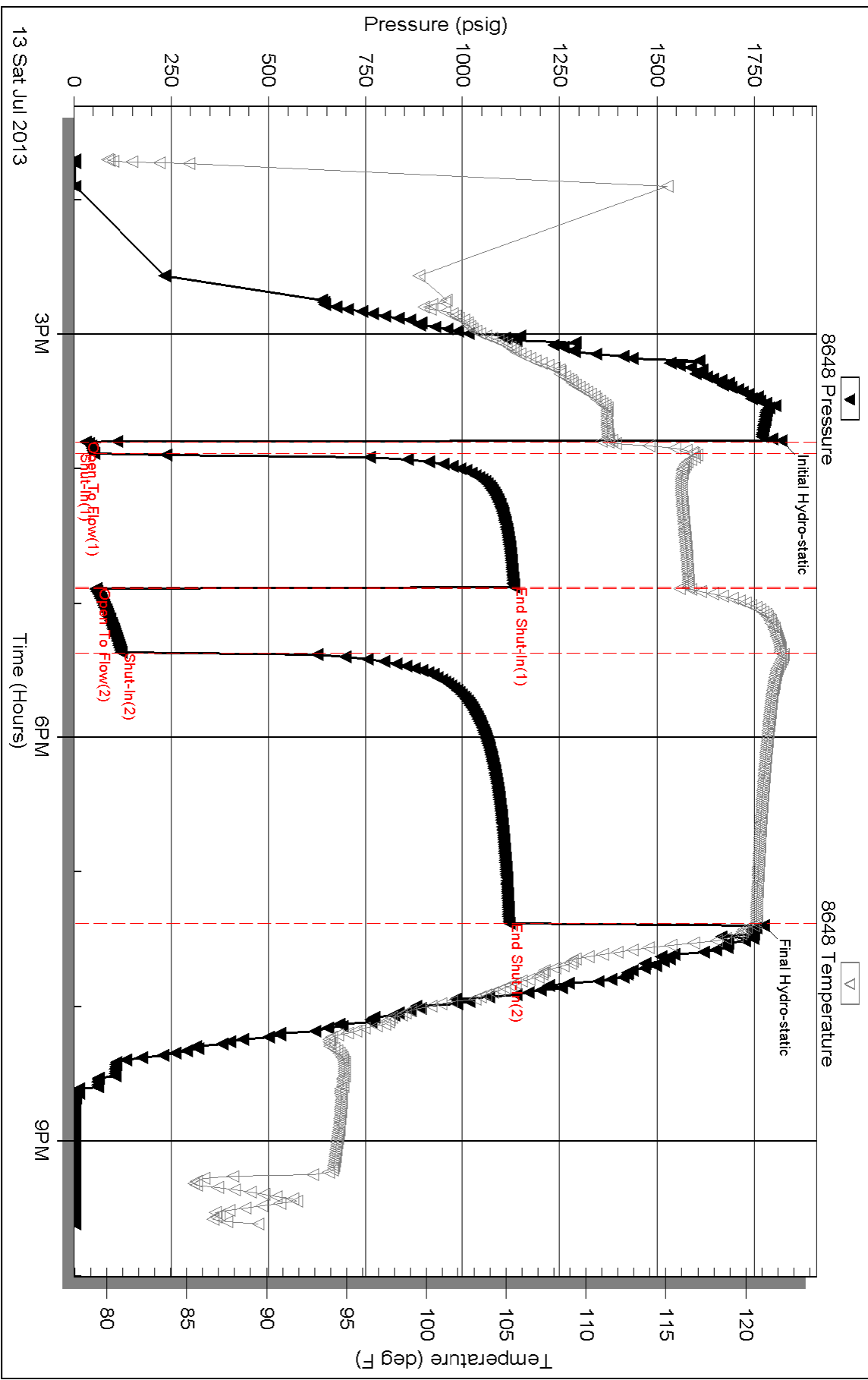
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .2 @65 DEGREES = 38000

Pressure vs. Time



Serial #: 8655

Fluid

Samuel Gary Jr. & Associates

Fabrizius B AI 1-34

DST Test Number: 1

