



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Triple Crown Operating, LLC

30 17s 24w Ness, Ks

2201 S Utica Pl. Ste 100
Tulsa, Ok 74114

Keilman 1-A

Job Ticket: 61368

DST#: 2

ATTN: Sean Deenihan

Test Start: 2017.06.11 @ 04:56:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:45

Time Test Ended: 13:39:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4345.00 ft (KB) To 4351.00 ft (KB) (TVD)

Reference Elevations: 2387.00 ft (KB)

Total Depth: 4351.00 ft (KB) (TVD)

2382.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8845 Outside

Press@RunDepth: 74.53 psig @ 4346.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.11

End Date:

2017.06.11

Last Calib.:

2017.06.11

Start Time: 04:56:05

End Time:

13:39:45

Time On Btm:

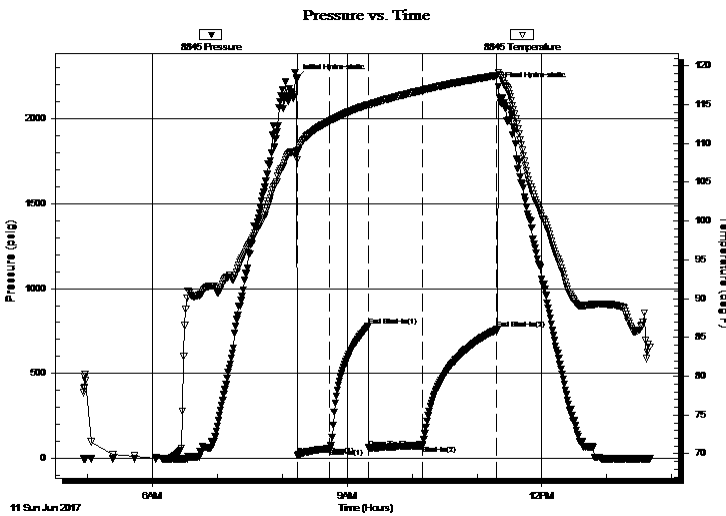
2017.06.11 @ 08:13:15

Time Off Btm:

2017.06.11 @ 11:19:45

TEST COMMENT: IF: 7" blow.
IS: No return.
FF: 6 1/2" blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.48	108.99	Initial Hydro-static
1	19.58	107.88	Open To Flow (1)
31	56.78	112.90	Shut-In(1)
66	777.31	115.01	End Shut-In(1)
67	61.16	114.94	Open To Flow (2)
116	74.53	116.85	Shut-In(2)
185	759.11	118.75	End Shut-In(2)
187	2187.80	119.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	ocm 40o 60m	0.12
140.00	oil 100o	1.09

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Triple Crown Operating, LLC

30 17s 24w Ness, Ks

2201 S Utica Pl. Ste 100
Tulsa, Ok 74114

Keilman 1-A

Job Ticket: 61368

DST#: 2

ATTN: Sean Deenihan

Test Start: 2017.06.11 @ 04:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	ocm 40o 60m	0.123
140.00	oil 100o	1.089

Total Length: 165.00 ft

Total Volume: 1.212 bbl

Num Fluid Samples: 0

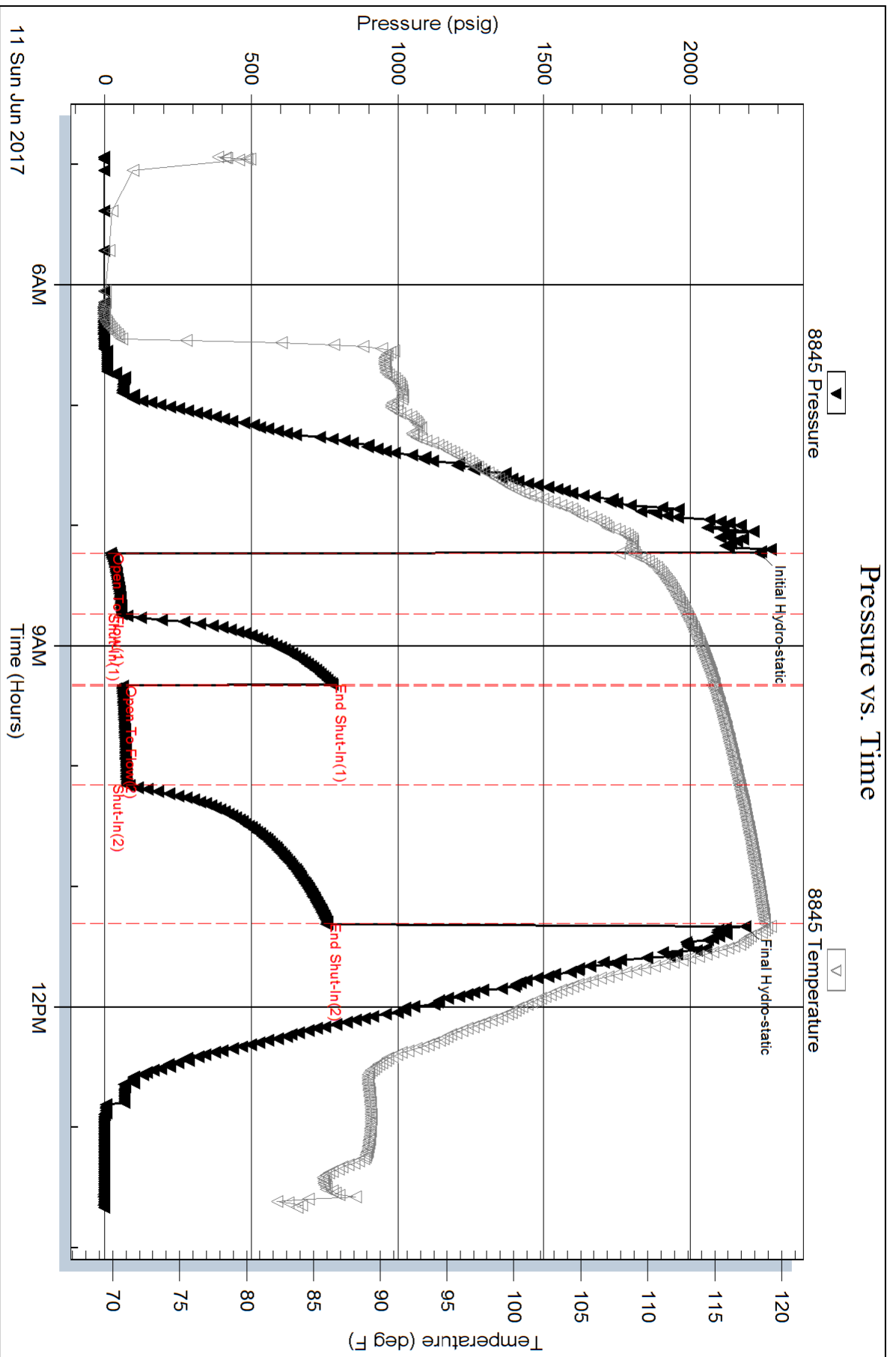
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8365

Inside

Triple Crown Operating, LLC

Keilman 1-A

DST Test Number: 2

