



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tyluka Operations LLC

7/17S/13W/Barton

PO Box 1213
Hays, Kansas
67601

ATTN: Jeremy Schwartz

Trense #1-7

Job Ticket: 65095

DST#: 3

Test Start: 2016.06.08 @ 14:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:10:30

Time Test Ended: 18:53:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/34

Interval: 3446.00 ft (KB) To 3474.00 ft (KB) (TVD)

Reference Elevations: 1995.00 ft (KB)

Total Depth: 3474.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6741 Inside

Press@RunDepth: 23.21 psig @ 3470.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.08 End Date: 2016.06.08

Last Calib.: 2016.06.08

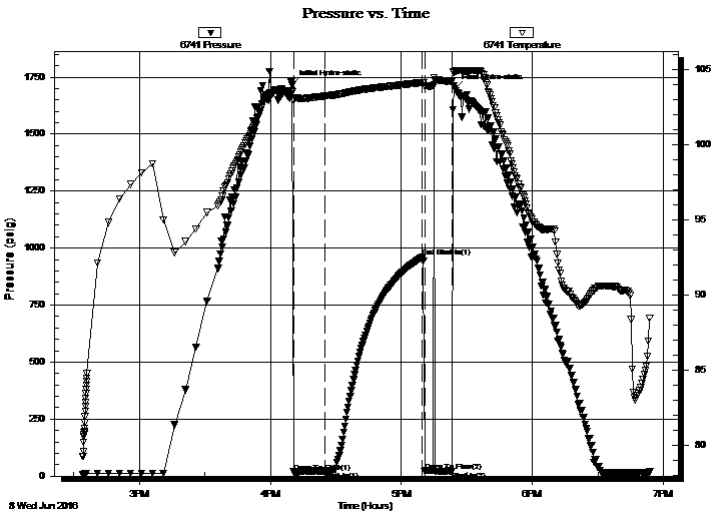
Start Time: 14:34:05 End Time: 18:53:29

Time On Btm: 2016.06.08 @ 16:10:00

Time Off Btm: 2016.06.08 @ 17:24:30

TEST COMMENT: I.F. 15 minutes/Weak surface blow died in 8 minutes
I.S.I 60 minutes/no blow back
F.F. 15 minutes/no blow flush tool no help/ pull test

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.49	103.53	Initial Hydro-static
1	18.10	102.95	Open To Flow (1)
15	23.21	103.23	Shut-In(1)
60	960.67	104.14	End Shut-In(1)
61	22.10	103.87	Open To Flow (2)
73	22.12	104.24	Shut-In(2)
75	1700.88	104.86	Final Hydro-static

Recovery

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

Gas Rates

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



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FLUID SUMMARY

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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: 57.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	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:

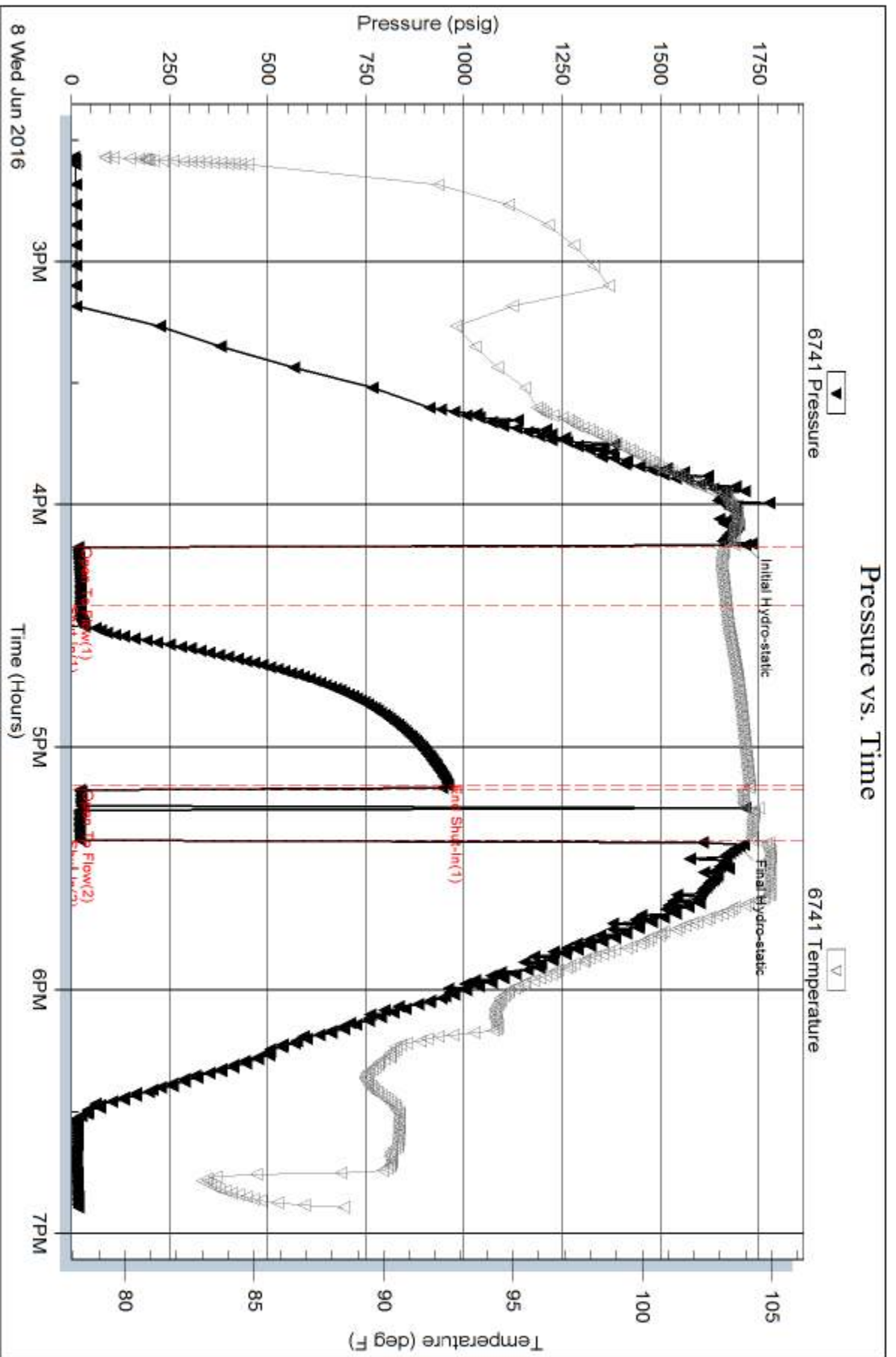
Serial #: 6741

Inside

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DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65095

Printed: 2016.06.08 @ 22:10:00