



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Company LLC

33/30S/18W/Kiowa

125 N Market
Suite 1000
Wichita Kansas 67202+1729
ATTN: Bill Klaver

McClaren #1

Job Ticket: 63267

DST#: 1

Test Start: 2018.01.04 @ 18:23:00

GENERAL INFORMATION:

Formation: **Lansing-Stanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:56:50

Time Test Ended: 02:04:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Pratt/106

Interval: 4398.00 ft (KB) To 4416.00 ft (KB) (TVD)

Reference Elevations: 2151.00 ft (KB)

Total Depth: 4416.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8653

Inside

Press@RunDepth: 91.00 psig @ 4399.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.04

End Date:

2018.01.05

Last Calib.:

2018.01.05

Start Time: 18:23:01

End Time:

02:04:10

Time On Btm:

2018.01.04 @ 20:55:00

Time Off Btm:

2018.01.05 @ 00:00:30

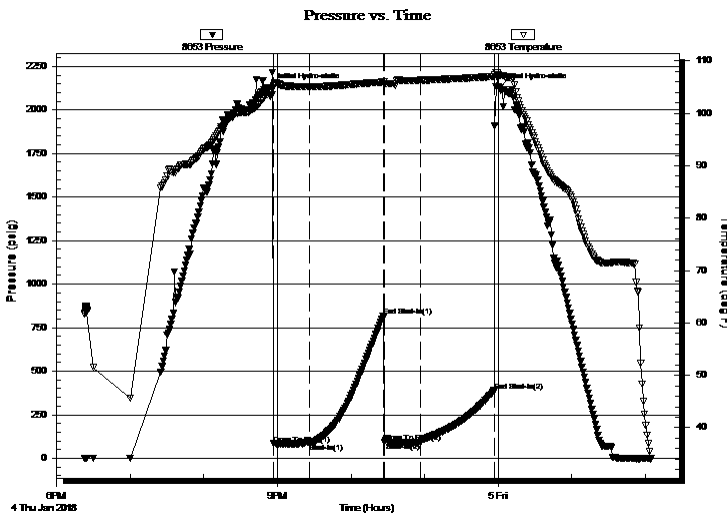
TEST COMMENT: I.F. 30 Minutes/ Tool slide 8 feet/ Blow at open 5 inch and built to 6 1/2 inch

I.S.I. 60 Minutes/ No blow back

F.F. 30 Minutes/ Dead no blow / Flush tool no help

F.S.I. 60 Minutes/ No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2130.04	103.56	Initial Hydro-static
2	83.25	104.89	Open To Flow (1)
31	85.21	105.07	Shut-In(1)
92	815.01	105.96	End Shut-In(1)
92	91.11	105.52	Open To Flow (2)
122	91.00	106.31	Shut-In(2)
182	388.64	107.03	End Shut-In(2)
186	2127.92	107.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud 100%	0.59

Gas Rates

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



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McClaren #1

Job Ticket: 63267

DST#: 1

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Formation: **Lansing-Stanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:56:50

Time Test Ended: 02:04:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Pratt/106

Interval: **4398.00 ft (KB) To 4416.00 ft (KB) (TVD)**

Reference Elevations: 2151.00 ft (KB)

Total Depth: 4416.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8737

Press@RunDepth: 390.92 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.04

End Date: 2018.01.05

Last Calib.: 2018.01.05

Start Time: 18:23:01

End Time: 02:04:10

Time On Btm: 2018.01.04 @ 20:55:00

Time Off Btm: 2018.01.05 @ 00:04:40

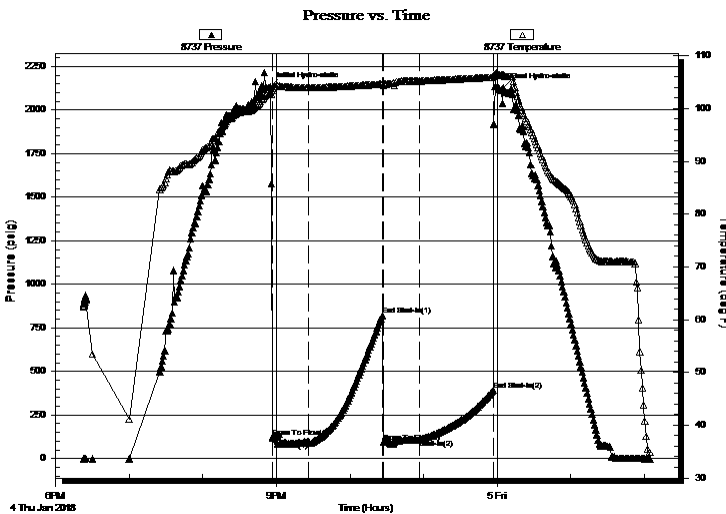
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F.F. 30 Minutes/ Dead no blow / Flush tool no help

F.S.I. 60 Minutes/ No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.32	102.67	Initial Hydro-static
2	123.18	103.34	Open To Flow (1)
31	97.17	103.96	Shut-In(1)
92	821.37	104.64	End Shut-In(1)
92	93.00	104.37	Open To Flow (2)
122	108.62	105.22	Shut-In(2)
182	390.92	105.93	End Shut-In(2)
190	2127.44	106.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud 100%	0.59

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company LLC

33/30S/18W/Kiowa

125 N Market
Suite 1000
Wichita Kansas 67202+1729
ATTN: Bill Klaver

McClaren #1

Job Ticket: 63267

DST#: 1

Test Start: 2018.01.04 @ 18:23:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud 100%	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8653

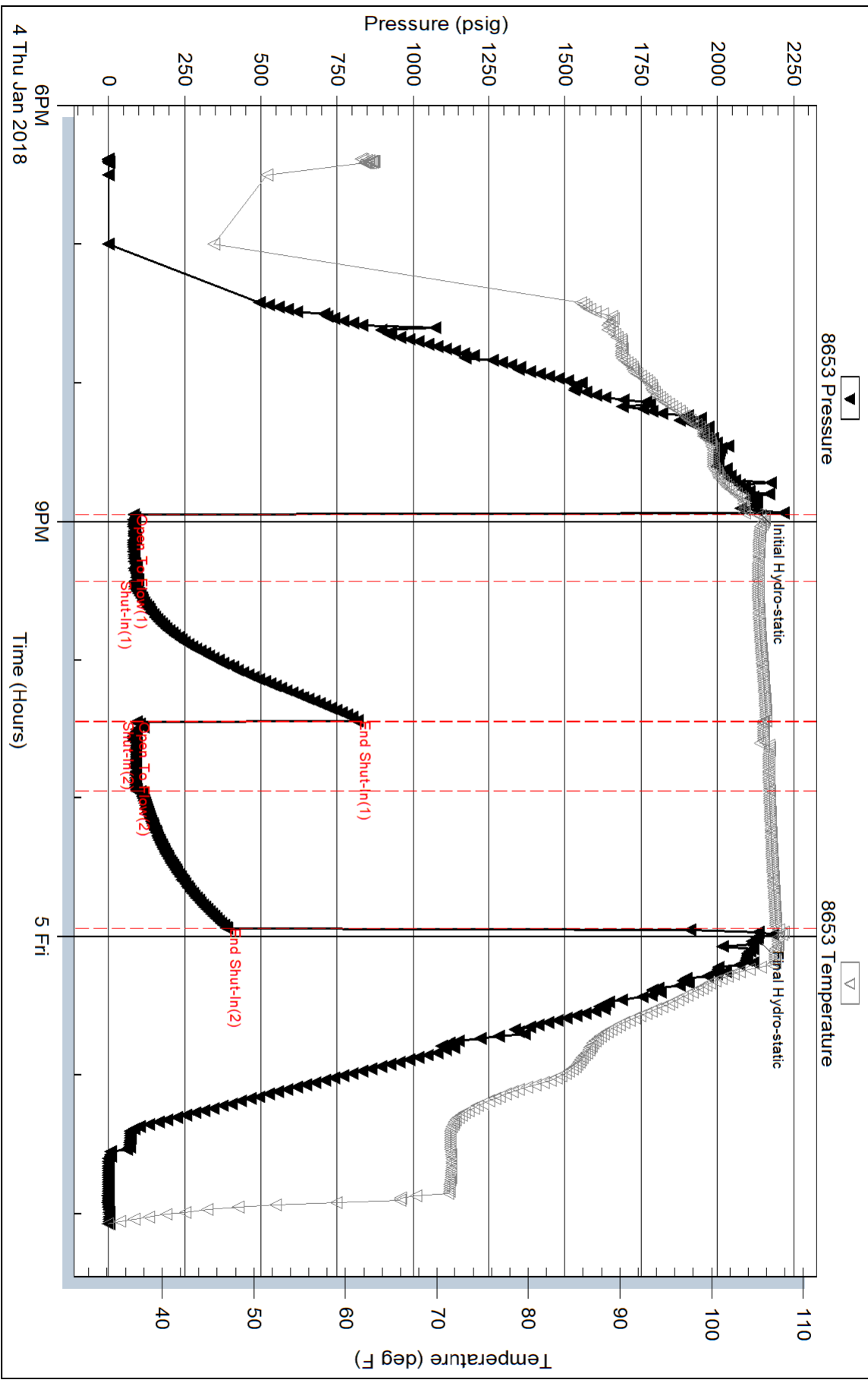
Inside

Woodsey Operating Company LLC

McClaren #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63267

Printed: 2018.01.05 @ 07:00:37

