



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Company LLC

33-30S-18W Kiowa

125 N Market Suite 1000
Wichita Kansas 67202

McClaren 1

Job Ticket: 63648

DST#: 4

ATTN: Bill Klaver

Test Start: 2018.01.08 @ 07:03:43

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:22:58

Time Test Ended: 15:08:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 4980.00 ft (KB) To 5058.00 ft (KB) (TVD)

Reference Elevations: 2151.00 ft (KB)

Total Depth: 5058.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6798

Inside

Press@RunDepth: 88.70 psig @ 4981.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.08

End Date:

2018.01.08

Last Calib.:

2018.01.08

Start Time:

07:03:44

End Time:

15:08:43

Time On Btm:

2018.01.08 @ 09:19:43

Time Off Btm:

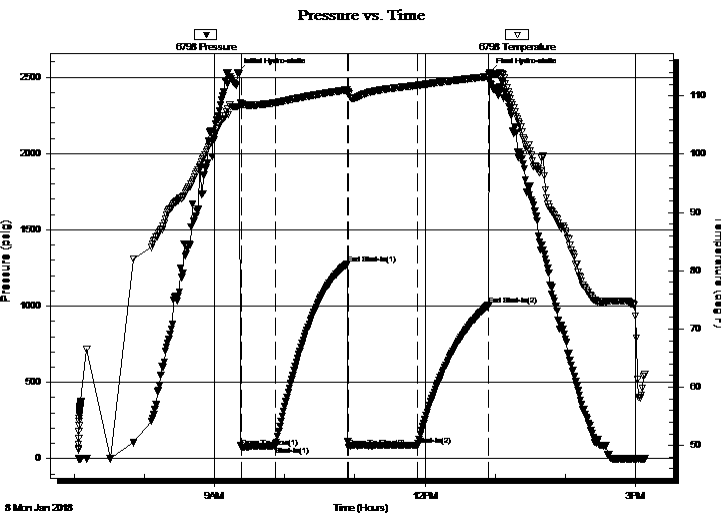
2018.01.08 @ 12:55:28

TEST COMMENT: IF: Strong Blow , BOB in 4 minutes

IS: No Blow Back

FF: Strong Blow , BOB immediate, GTS in 12 minutes, TSTM, Caught Sample

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2531.86	108.18	Initial Hydro-static
4	71.65	108.63	Open To Flow (1)
33	83.50	108.82	Shut-In(1)
94	1276.53	111.03	End Shut-In(1)
95	75.57	110.60	Open To Flow (2)
154	88.70	111.80	Shut-In(2)
215	1007.30	113.30	End Shut-In(2)
216	2529.84	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
130.00	GCM 5%G 95%M	0.68

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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33-30S-18W Kiowa

125 N Market Suite 1000
Wichita Kansas 67202

McClaren 1

Job Ticket: 63648

DST#: 4

ATTN: Bill Klaver

Test Start: 2018.01.08 @ 07:03:43

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
130.00	GCM 5%G 95%M	0.677

Total Length: 130.00 ft

Total Volume: 0.677 bbl

Num Fluid Samples: 0

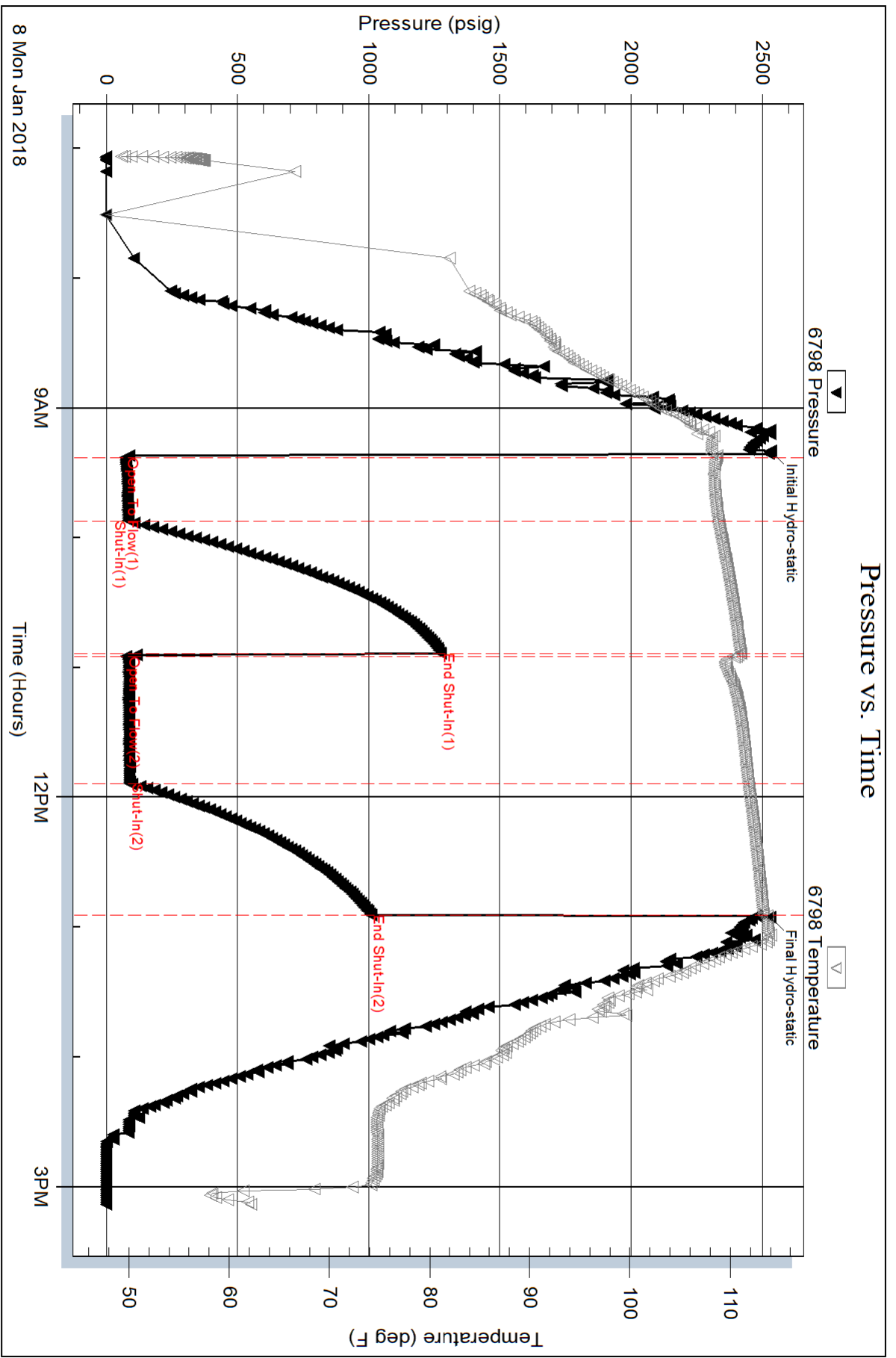
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 6806

Outside Woodsey Operating Company LLC

McClaren 1

DST Test Number: 4

