

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mull Drilling Company
 1700 N Waterfront pkwy
 Wichita, Ks 67206
 ATTN: Kevin Kessler

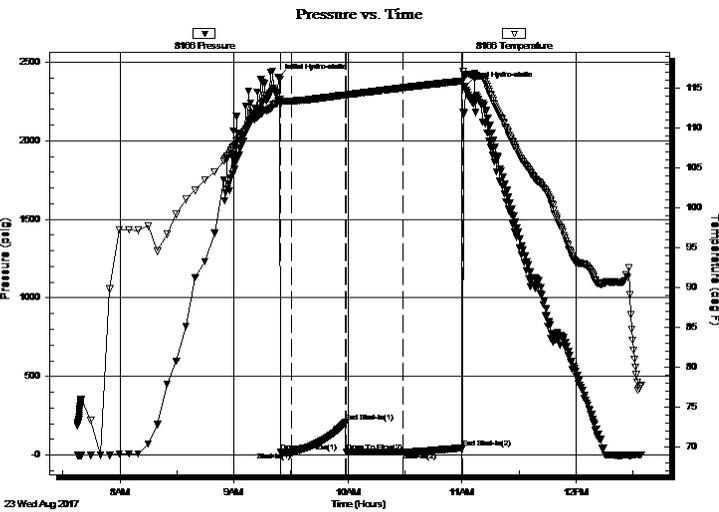
8-21s-31w Finney, Ks
KSU-Goering Unit 1-8
 Job Ticket: 63872 **DST#: 1**
 Test Start: 2017.08.23 @ 07:37:43

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:24:43
 Time Test Ended: 12:34:13
 Interval: **4685.00 ft (KB) To 4710.00 ft (KB) (TVD)**
 Total Depth: 4710.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2898.00 ft (KB)
 2893.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 20.63 psig @ 4686.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.23 End Date: 2017.08.23 Last Calib.: 2017.08.23
 Start Time: 07:37:48 End Time: 12:34:12 Time On Btm: 2017.08.23 @ 09:23:43
 Time Off Btm: 2017.08.23 @ 11:01:43

TEST COMMENT: IF: 1/4 blow died to surface.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

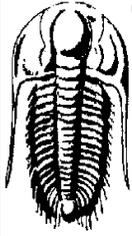
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2401.12	113.57	Initial Hydro-static
1	17.76	113.10	Open To Flow (1)
7	18.04	113.41	Shut-In(1)
35	208.24	114.19	End Shut-In(1)
36	18.75	114.09	Open To Flow (2)
65	20.63	115.05	Shut-In(2)
97	46.77	115.92	End Shut-In(2)
98	2345.10	116.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01

Gas Rates

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



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FLUID SUMMARY

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8-21s-31w Finney, Ks

1700 N Waterfront pkwy
Wichita, Ks 67206

KSU-Goering Unit 1-8

Job Ticket: 63872

DST#: 1

ATTN: Kevin Kessler

Test Start: 2017.08.23 @ 07:37:43

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

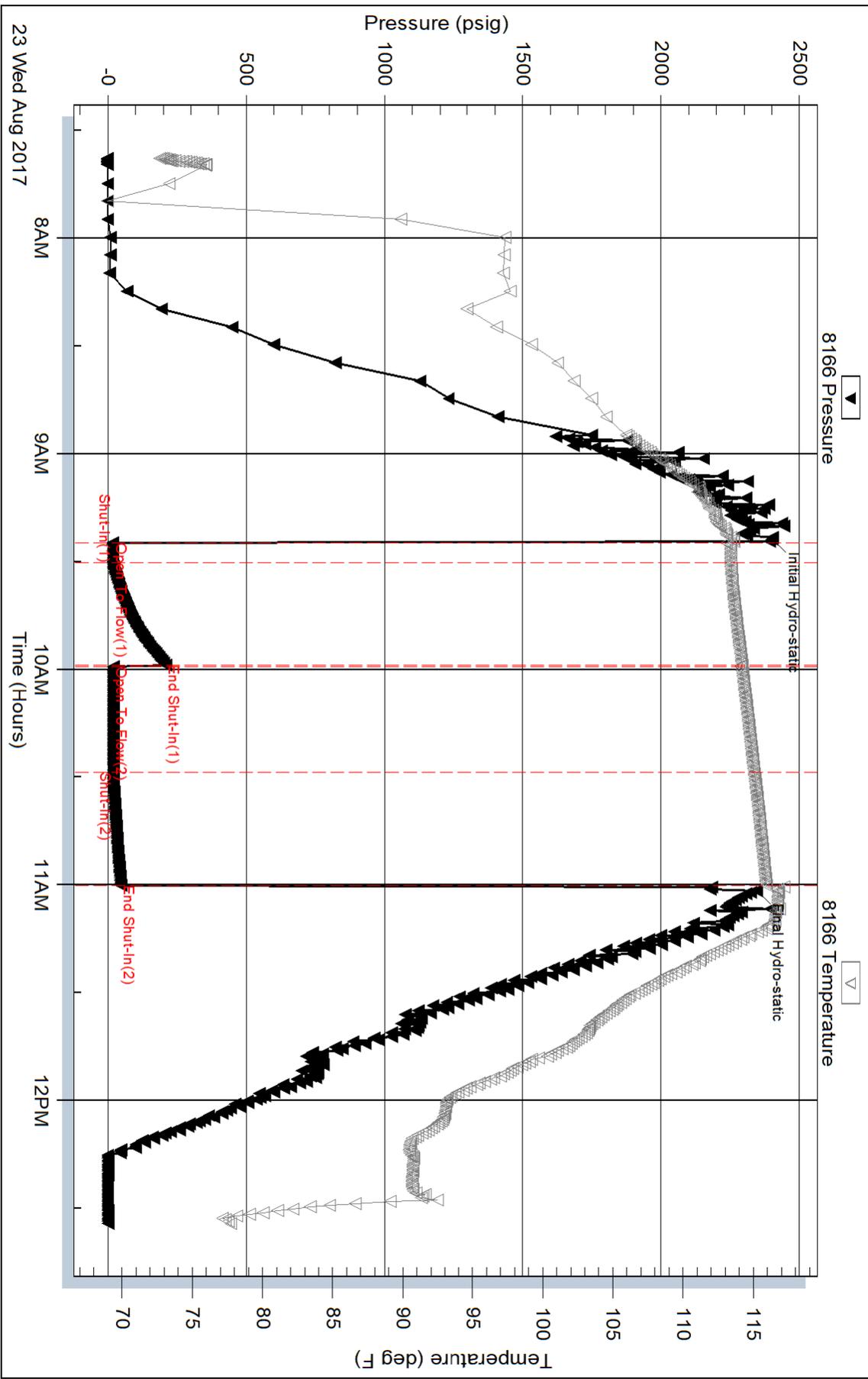
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8875

Inside

Mull Drilling Company

KSU-Goering Unit 1-8

DST Test Number: 1

