



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

3 16s 55w Lincoln, Co

24900 Pitkin Rd #305
The Woodlands, Tx 77386

Sorenson 4-3

Job Ticket: 63476

DST#: 1

ATTN: Randy Sae

Test Start: 2017.11.05 @ 02:18:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:47:15

Time Test Ended: 13:34:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 6095.00 ft (KB) To 6159.00 ft (KB) (TVD)

Total Depth: 6159.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 5048.00 ft (KB)

5030.00 ft (CF)

KB to GR/CF: 18.00 ft

Serial #: 8845 Outside

Press@RunDepth: 759.84 psig @ 6095.00 ft (KB)

Start Date: 2017.11.05

End Date:

2017.11.05

Start Time: 02:18:05

End Time:

13:34:45

Capacity: 8000.00 psig

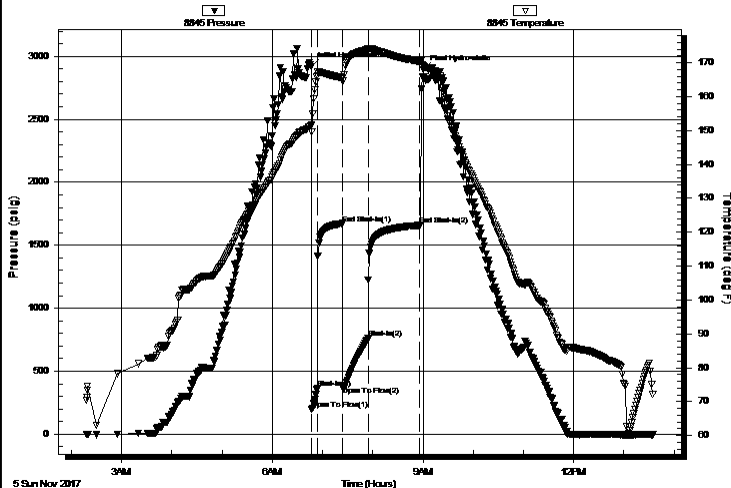
Last Calib.: 2017.11.05

Time On Btm: 2017.11.05 @ 06:47:00

Time Off Btm: 2017.11.05 @ 09:00:45

TEST COMMENT: IF: BOB @ 4 min.
IS: No return.
FF: BOB @ 4 min.
FS: 4" return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2919.55	151.55	Initial Hydro-static
1	197.04	149.65	Open To Flow (1)
7	362.92	166.20	Shut-In(1)
37	1672.29	165.57	End Shut-In(1)
38	383.05	164.62	Open To Flow (2)
68	759.84	173.80	Shut-In(2)
130	1658.41	170.35	End Shut-In(2)
134	2895.65	168.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	mcw 3m 97w trace (oil scum)	187595.56
0.00	gassy oder throughout	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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5030.00 ft (CF)

KB to GR/CF: 18.00 ft

Serial #: 8365 Inside

Press@RunDepth: psig @ 6095.00 ft (KB)

Start Date: 2017.11.05

End Date:

2017.11.05

Start Time: 02:18:05

End Time:

13:34:45

Capacity: 8000.00 psig

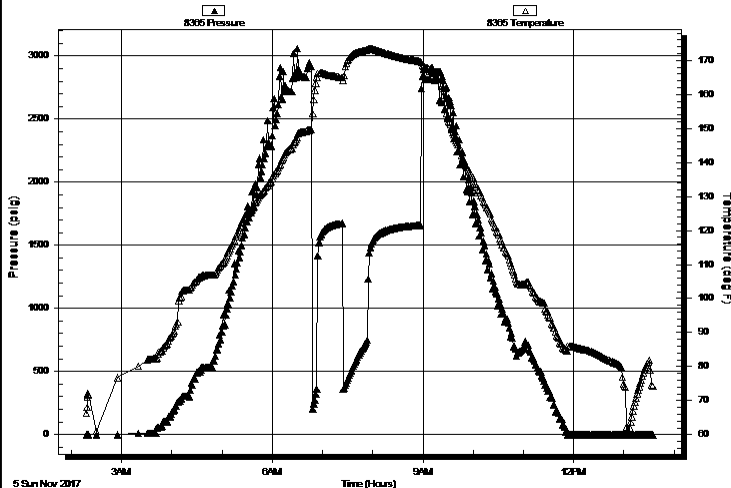
Last Calib.: 2017.11.05

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 4 min.
IS: No return.
FF: BOB @ 4 min.
FS: 4" return.

Pressure vs. Time



PRESSURE SUMMARY

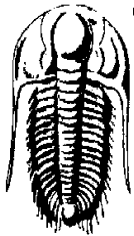
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
1500.00	mcw 3m 97w trace (oil scum)	187595.56
0.00	gassy oder throughout	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas Operating Co.

3 16s 55w Lincoln, Co

24900 Pitkin Rd #305
The Woodlands, Tx 77386

Sorenson 4-3

Job Ticket: 63476

DST#: 1

ATTN: Randy Sae

Test Start: 2017.11.05 @ 02:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 63.00 sec/qt

Water Loss: 6.40 in³

Resistivity: ohm.m

Salinity: 300.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

0 deg API

Water Salinity: 11000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1500.00	mcw 3m 97w trace (oil scum)	187595.561
0.00	gassy oder throughout	0.000

Total Length: 1500.00 ft Total Volume: 187595.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .601 @ 66f = 11,000ppm

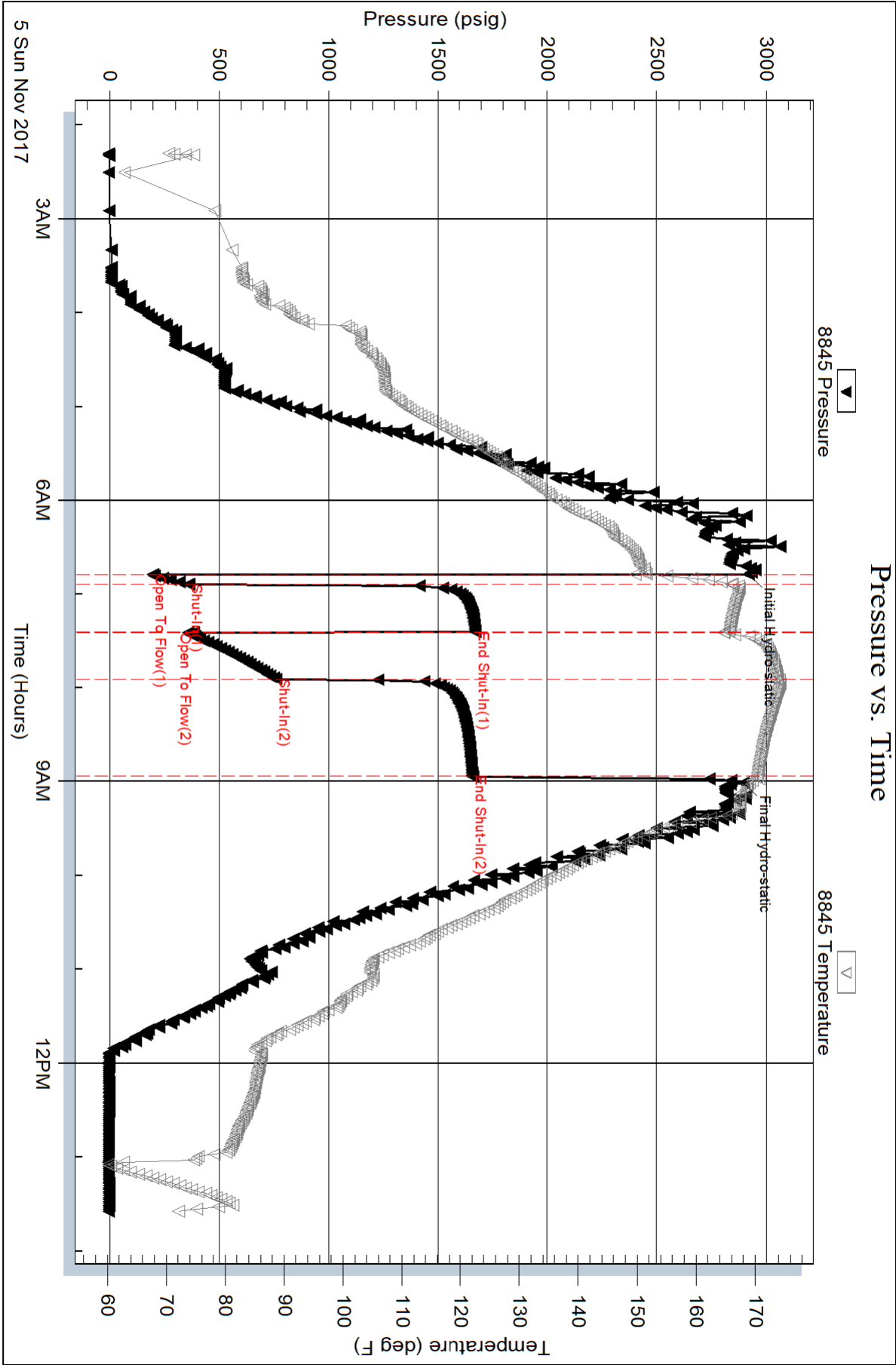
sampler data - 110psi - 3000ml water 11000ppm (trace oil scum)

Serial #: 8845

Outside K3 Oil & Gas Operating Co.

Sorenson 4-3

DST Test Number: 1



Serial #: 8365

Inside

K3 Oil & Gas Operating Co.

Sorenson 4-3

DST Test Number: 1

