



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stewart Producers, Inc.

24/14S/11E Wabaunsee, KS

301 North 27th Street
 P.O. Box 546
 Mount Vernon, IL 62864-0546
 ATTN: Mark Thompson/Aaron

JR Ranch #1

Job Ticket: 63945

DST#: 1

Test Start: 2019.05.13 @ 03:39:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:46:20

Time Test Ended: 11:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 3202.00 ft (KB) To 3217.00 ft (KB) (TVD)

Reference Elevations: 1404.00 ft (KB)

Total Depth: 3217.00 ft (KB) (TVD)

1395.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8369 Outside

Press@RunDepth: 161.11 psig @ 3203.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.13

End Date: 2019.05.13

Last Calib.: 2019.05.13

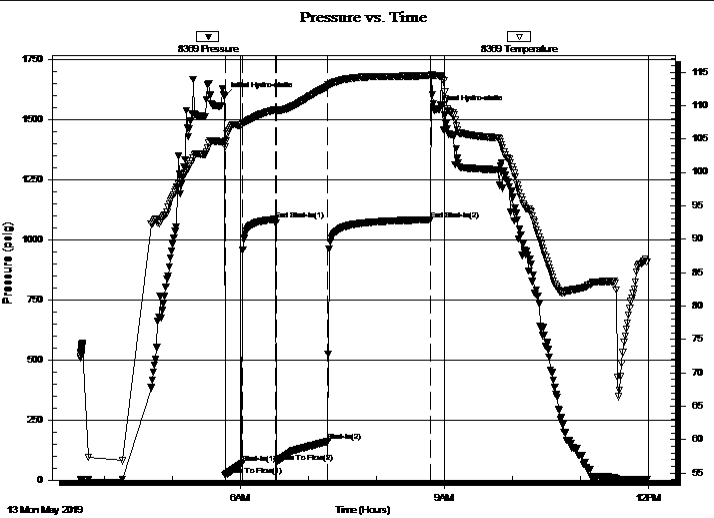
Start Time: 03:39:01

End Time: 11:59:00

Time On Btm: 2019.05.13 @ 05:45:50

Time Off Btm: 2019.05.13 @ 08:52:00

TEST COMMENT: IF - Weak blow building to 6 inches during initial flow period.
 FF - No blow building to 13 inches during final flow period.



PRESSURE SUMMARY

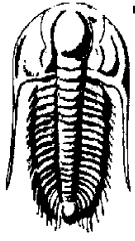
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1597.98	104.54	Initial Hydro-static
1	21.20	103.80	Open To Flow (1)
16	70.29	107.11	Shut-In(1)
46	1085.71	109.37	End Shut-In(1)
46	76.10	109.07	Open To Flow (2)
92	161.11	112.82	Shut-In(2)
182	1084.45	114.48	End Shut-In(2)
187	1544.77	114.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	OSSMCW TR O 89% W 11% M	2.54

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stewart Producers, Inc.

24/14S/11E Wabaunsee, KS

301 North 27th Street
P.O. Box 546
Mount Vernon, IL 62864-0546
ATTN: Mark Thompson/Aaron

JR Ranch #1

Job Ticket: 63945

DST#: 1

Test Start: 2019.05.13 @ 03:39:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:46:20

Time Test Ended: 11:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **3202.00 ft (KB) To 3217.00 ft (KB) (TVD)**

Reference Elevations: 1404.00 ft (KB)

Total Depth: 3217.00 ft (KB) (TVD)

1395.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8846 Inside

Press@RunDepth: psig @ 3203.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.13

End Date: 2019.05.13

Last Calib.: 1899.12.30

Start Time: 03:39:01

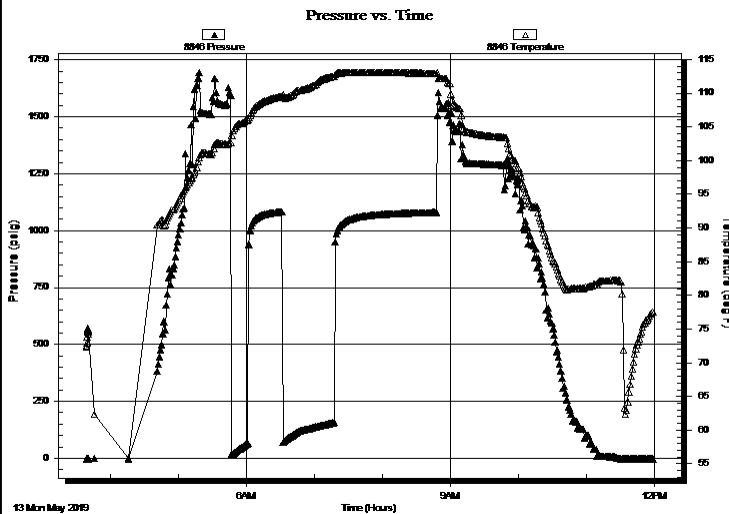
End Time: 11:59:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF - Weak blow building to 6 inches during initial flow period.
FF - No blow building to 13 inches during final flow period.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
340.00	OSSMCW TR O 89% W 11% M	2.54

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Producers, Inc.

24/14S/11E Wabaunsee, KS

301 North 27th Street
P.O. Box 546
Mount Vernon, IL 62864-0546
ATTN: Mark Thompson/Aaron

JR Ranch #1

Job Ticket: 63945

DST#: 1

Test Start: 2019.05.13 @ 03:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 35.00 sec/qt

Water Loss: 11.79 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 8000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	OSSMCW TR O 89% W 11% M	2.537

Total Length: 340.00 ft Total Volume: 2.537 bbl

Num Fluid Samples: 0

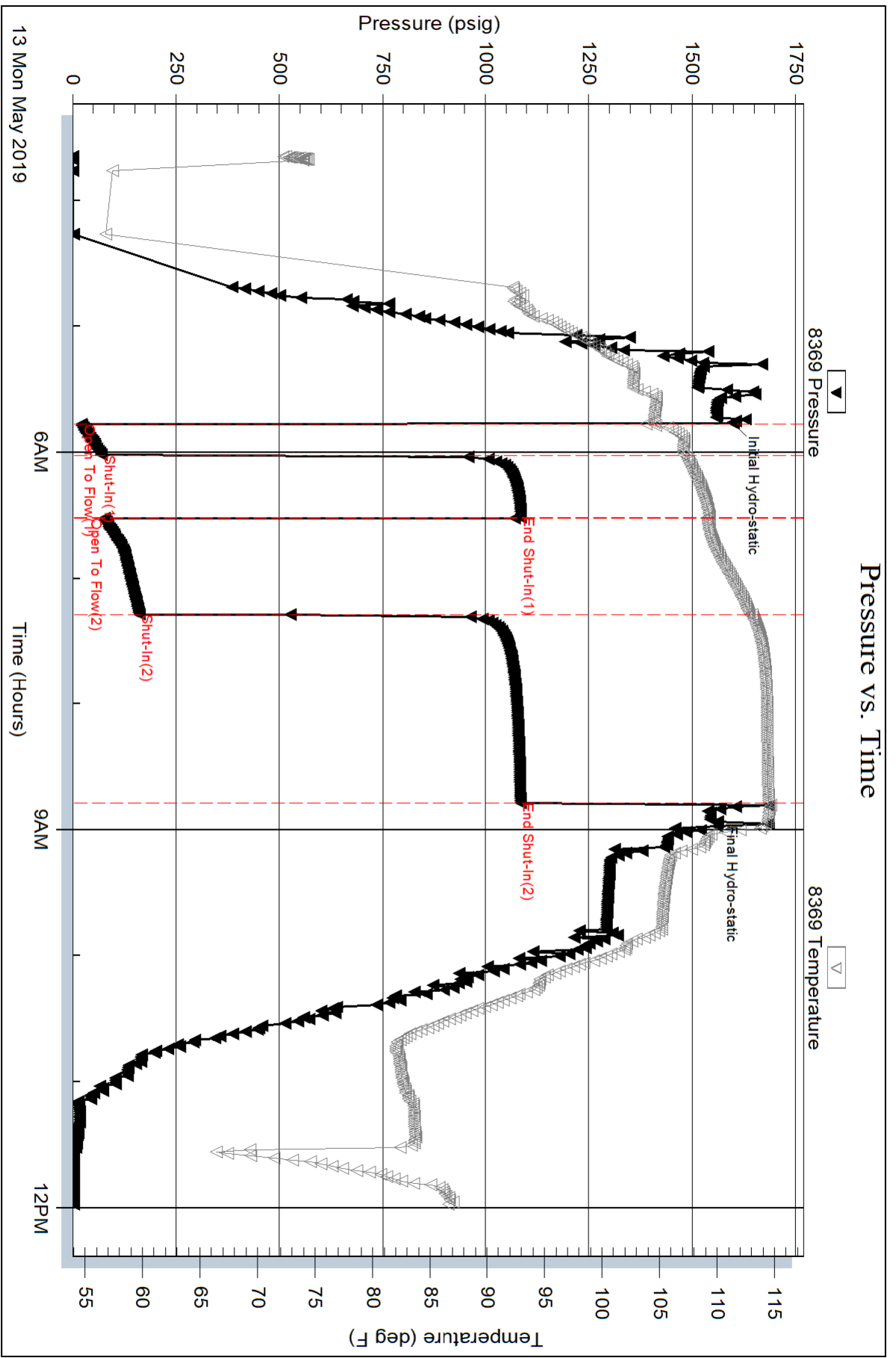
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



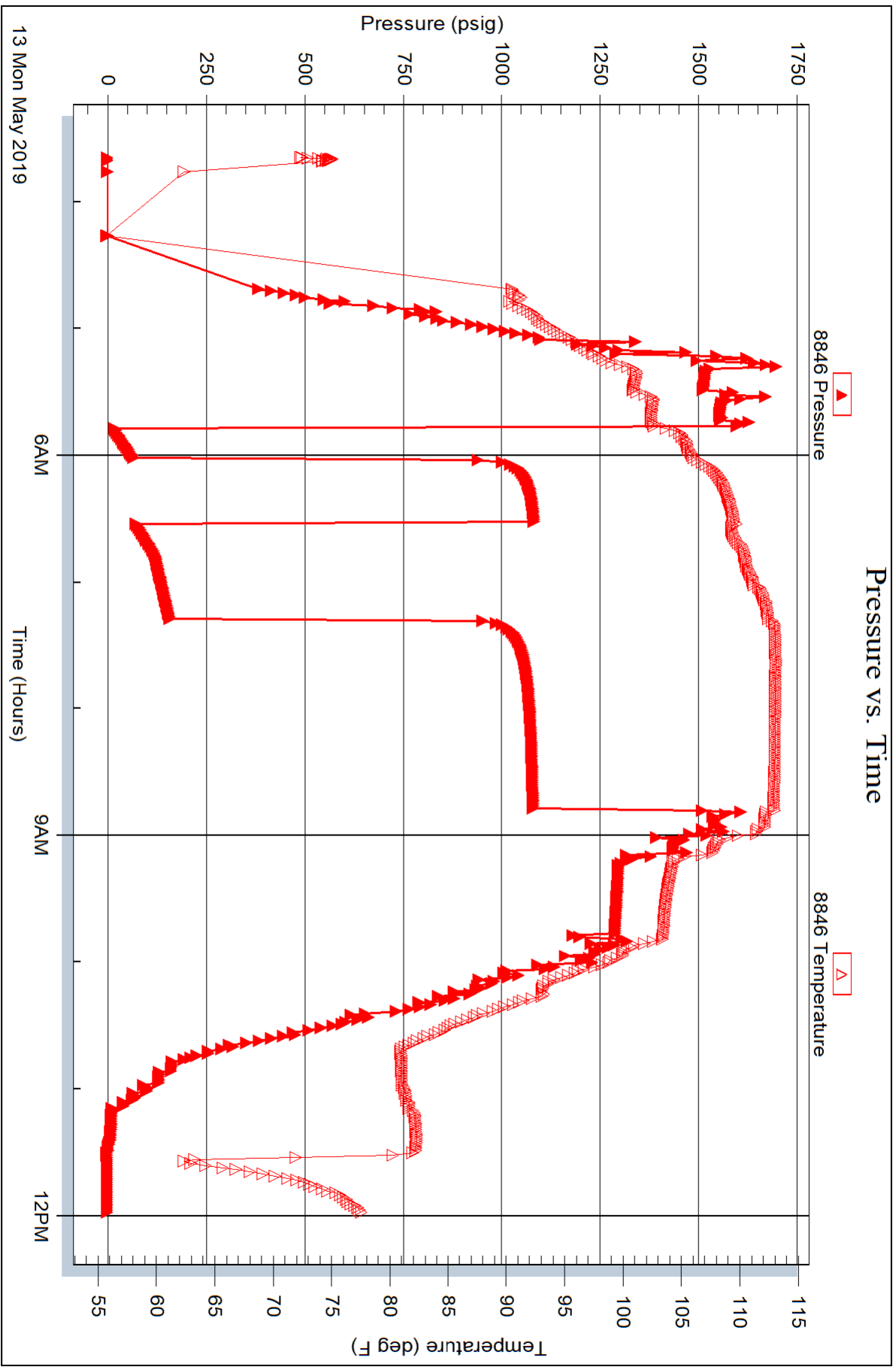
Serial #: 8846

Inside

Stewart Producers, Inc.

JR Ranch #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63945

Printed: 2019.05.13 @ 13:36:30