



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Incorporated

19/31S/21W/Clark

3118 Cummings Road
PO Box 399
Garden City, Kansas 67846
ATTN: Luke Thompson

Lexington-Marrow 1

Job Ticket: 65117

DST#: 3

Test Start: 2016.09.02 @ 08:57:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:42:30

Time Test Ended: 17:39:30

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72 Pratt/ 134

Interval: 5192.00 ft (KB) To 5245.00 ft (KB) (TVD)

Reference Elevations: 2185.00 ft (KB)

Total Depth: 5400.00 ft (KB) (TVD)

2172.00 ft (CF)

Hole Diameter: 8.80 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6999 Inside

Press@RunDepth: 303.18 psig @ 5239.39 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.09.02 End Date: 2016.09.02

Last Calib.: 2016.09.02

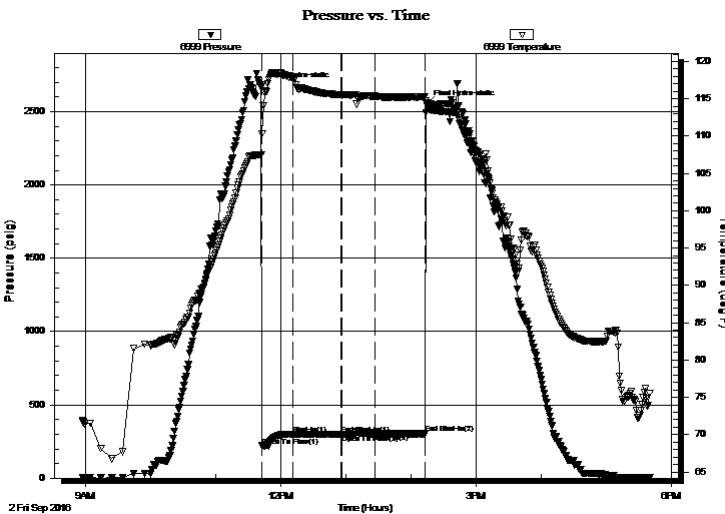
Start Time: 08:57:05 End Time: 17:39:30

Time On Btm: 2016.09.02 @ 11:41:30

Time Off Btm: 2016.09.02 @ 14:14:00

TEST COMMENT: I.F. 30 minutes/Blow built to bottom of bucket in 3 minutes
I.S.I. 45 minutes/no blow back
F.F. 30 minutes/Dead no blow /Flush tool light surge then dead
F.S.I. 45 minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2668.71	107.54	Initial Hydro-static
1	221.01	110.30	Open To Flow (1)
29	300.00	117.78	Shut-In(1)
74	301.38	115.54	End Shut-In(1)
75	301.38	115.51	Open To Flow (2)
105	303.18	115.35	Shut-In(2)
151	302.88	115.28	End Shut-In(2)
153	2552.16	114.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
542.00	Muddy water with skim of oil in sample	5.93
0.00	Mud 20% Water 80%	0.00

Gas Rates

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



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Tester: Ken Swinney

Unit No: 72 Pratt/ 134

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Reference Elevations: 2185.00 ft (KB)

Total Depth: 5400.00 ft (KB) (TVD)

2172.00 ft (CF)

Hole Diameter: 8.80 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8960 Outside

Press@RunDepth: 300.83 psig @ 5239.39 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.09.02 End Date: 2016.09.02

Last Calib.: 2016.09.02

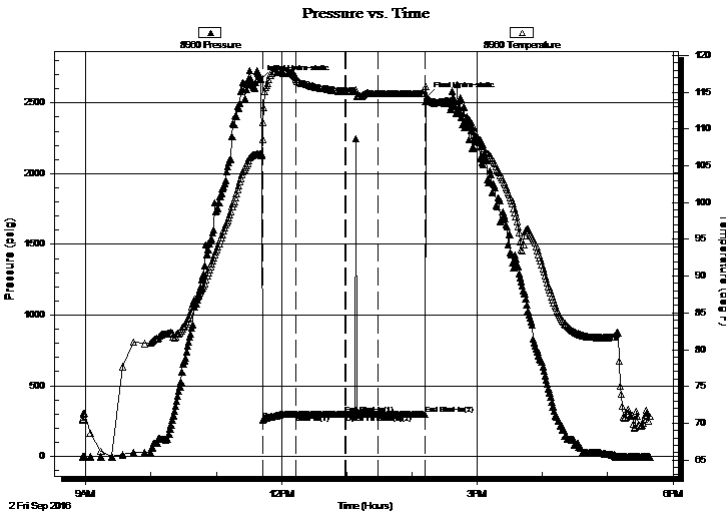
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 F.S.I. 45 minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2666.33	106.69	Initial Hydro-static
2	257.63	110.93	Open To Flow (1)
32	299.58	117.05	Shut-In(1)
77	299.65	115.23	End Shut-In(1)
78	299.66	115.26	Open To Flow (2)
108	300.76	114.81	Shut-In(2)
151	300.83	114.84	End Shut-In(2)
153	2544.07	114.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
542.00	Muddy water with skim of oil in sample	5.93
0.00	Mud 20% Water 80%	0.00

Gas Rates

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



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Lexington-Marrow 1

Job Ticket: 65117

DST#: 3

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Formation: **Morrow**

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Time Test Ended: 17:39:30

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72 Pratt/ 134

Interval: 5192.00 ft (KB) To 5245.00 ft (KB) (TVD)

Reference Elevations: 2185.00 ft (KB)

Total Depth: 5400.00 ft (KB) (TVD)

2172.00 ft (CF)

Hole Diameter: 8.80 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8521 Below (Straddle)

Press@RunDepth: 1742.61 psig @ 5268.24 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.09.02 End Date: 2016.09.02

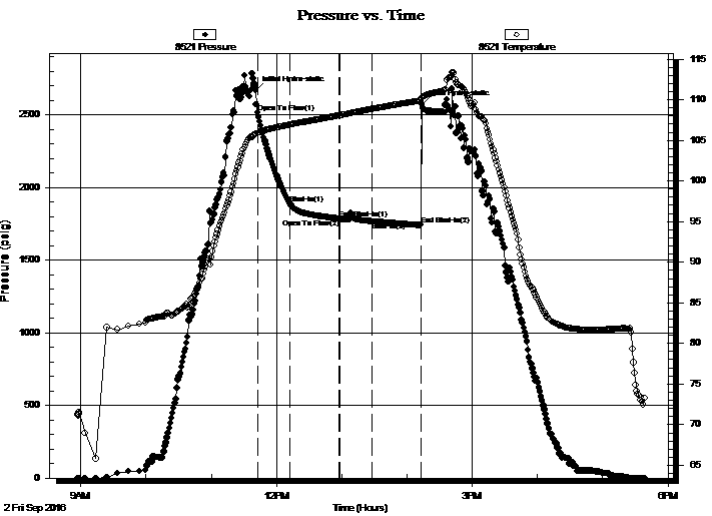
Last Calib.: 2016.09.02

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 I.S.I. 45 minutes/no blow back
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 F.S.I. 45 minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2667.14	105.77	Initial Hydro-static
2	2514.58	105.87	Open To Flow (1)
32	1887.39	106.91	Shut-In(1)
77	1784.40	108.03	End Shut-In(1)
78	1783.46	108.06	Open To Flow (2)
107	1765.54	108.83	Shut-In(2)
152	1742.61	109.85	End Shut-In(2)
153	2570.59	110.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
542.00	Muddy water with skim of oil in sample	5.93
0.00	Mud 20% Water 80%	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Incorporated

19/31S/21W/Clark

3118 Cummings Road
PO Box 399
Garden City, Kansas 67846
ATTN: Luke Thompson

Lexington-Marrow 1

Job Ticket: 65117

DST#: 3

Test Start: 2016.09.02 @ 08:57:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 76.00 sec/qt

Water Loss: 9.58 in³

Resistivity: ohm.m

Salinity: 9100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
542.00	Muddy water with skim of oil in sample	5.927
0.00	Mud 20% Water 80%	0.000

Total Length: 542.00 ft Total Volume: 5.927 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .152 ohms @ 82 deg

Serial #: 6999

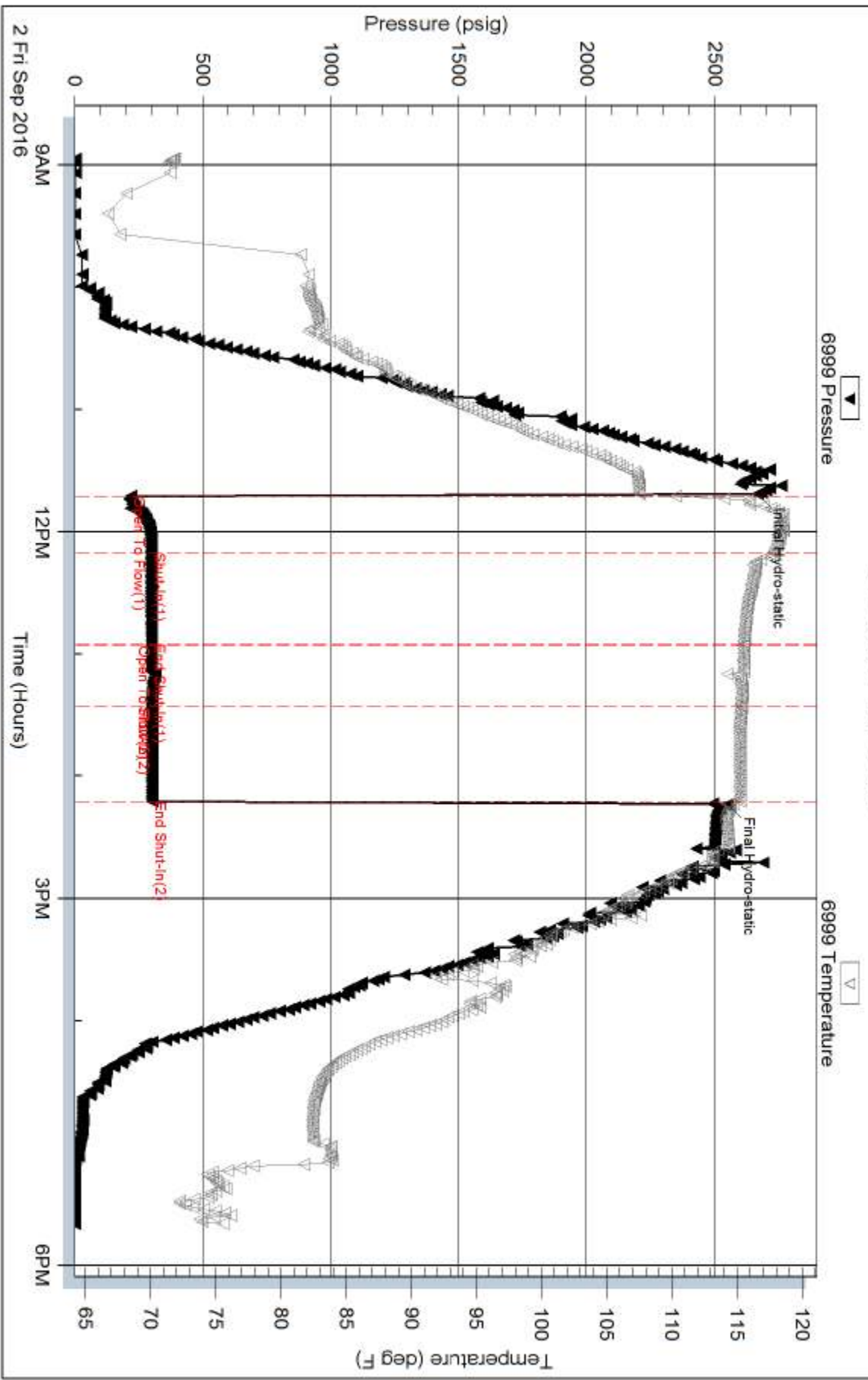
Inside

American Warrior Incorporated

Lexington-Marrow 1

DST Test Number: 3

Pressure vs. Time

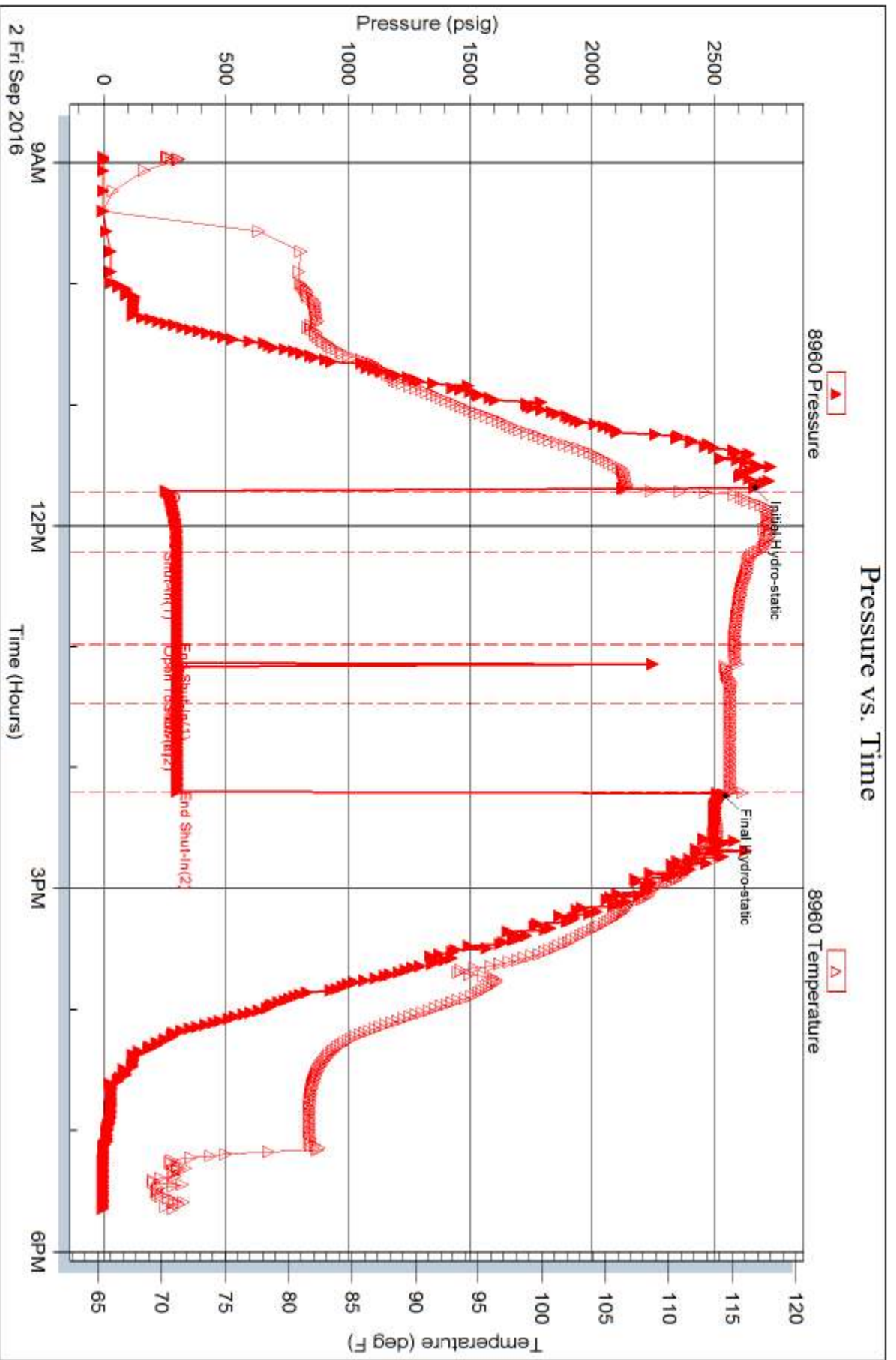


Serial #: 8960

Outside American Warrior Incorporated

Lexington-Marrow 1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 65117

Printed: 2016.09.02 @ 18:30:55

