



## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Luke Thompson

### **Whipple 'C' #5**

#### **S8-18s-26w Ness,KS**

Start Date: 2014.10.20 @ 01:59:00

End Date: 2014.10.20 @ 09:39:20

Job Ticket #: 59180                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.24 @ 08:54:24



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**S8-18s-26w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59180

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2014.10.20 @ 01:59:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:11:50

Time Test Ended: 09:39:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

**Interval: 4243.00 ft (KB) To 4274.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 4274.00 ft (KB) (TVD)

2500.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 111.78 psig @ 4246.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.20

End Date:

2014.10.20

Last Calib.: 2014.10.20

Start Time: 01:59:02

End Time:

09:39:19

Time On Btm: 2014.10.20 @ 04:10:30

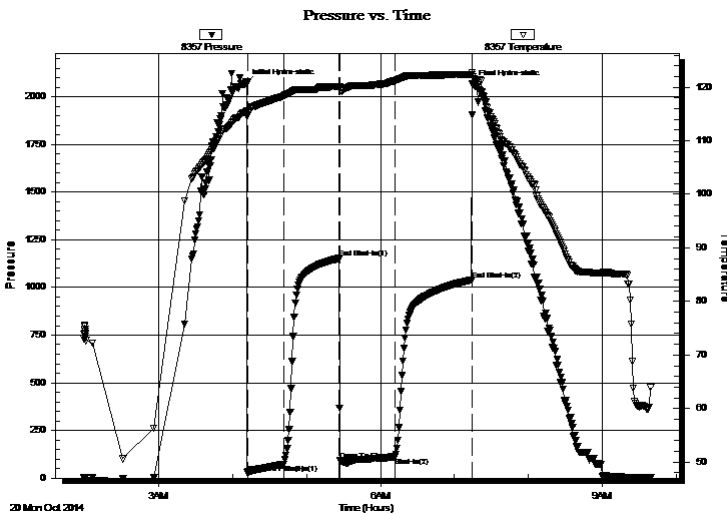
Time Off Btm: 2014.10.20 @ 07:14:30

TEST COMMENT: 30- B.O.B. @ 7 min.

45- No return.

45- B.O.B. @ 4 1/2 min.

60- 5" Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2068.11	115.26	Initial Hydro-static
2	26.87	114.56	Open To Flow (1)
31	72.97	118.36	Shut-In(1)
76	1152.96	120.09	End Shut-In(1)
77	95.14	119.73	Open To Flow (2)
122	111.78	121.25	Shut-In(2)
184	1039.96	122.35	End Shut-In(2)
184	2066.16	122.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCO 50g 20m 30o	0.59
60.00	GO 30g 70o	0.30
90.00	GMCO 10g 25m 65o	0.72
0.00	1858' GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**S8-18s-26w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59180

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2014.10.20 @ 01:59:00

## Tool Information

Drill Pipe:	Length: 3998.00 ft	Diameter: 3.82 inches	Volume: 56.67 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.50 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4243.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	58.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4216.50	
Shut In Tool	5.00			4221.50	
Hydraulic tool	5.00			4226.50	
Jars	5.00			4231.50	
Safety Joint	2.50			4234.00	
Packer	5.00			4239.00	27.50 Bottom Of Top Packer
Packer	4.00			4243.00	
Stubb	1.00			4244.00	
Perforations	2.00			4246.00	
Recorder	0.00	8357	Inside	4246.00	
Recorder	0.00	6751	Outside	4246.00	
Perforations	25.00			4271.00	
Bullnose	3.00			4274.00	31.00 Bottom Packers & Anchor

**Total Tool Length: 58.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**S8-18s-26w Ness,KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59180

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2014.10.20 @ 01:59:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	GMCO 50g 20m 30o	0.590
60.00	GO 30g 70o	0.295
90.00	GMCO 10g 25m 65o	0.720
0.00	1858' GIP	0.000

Total Length: 270.00 ft      Total Volume: 1.605 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

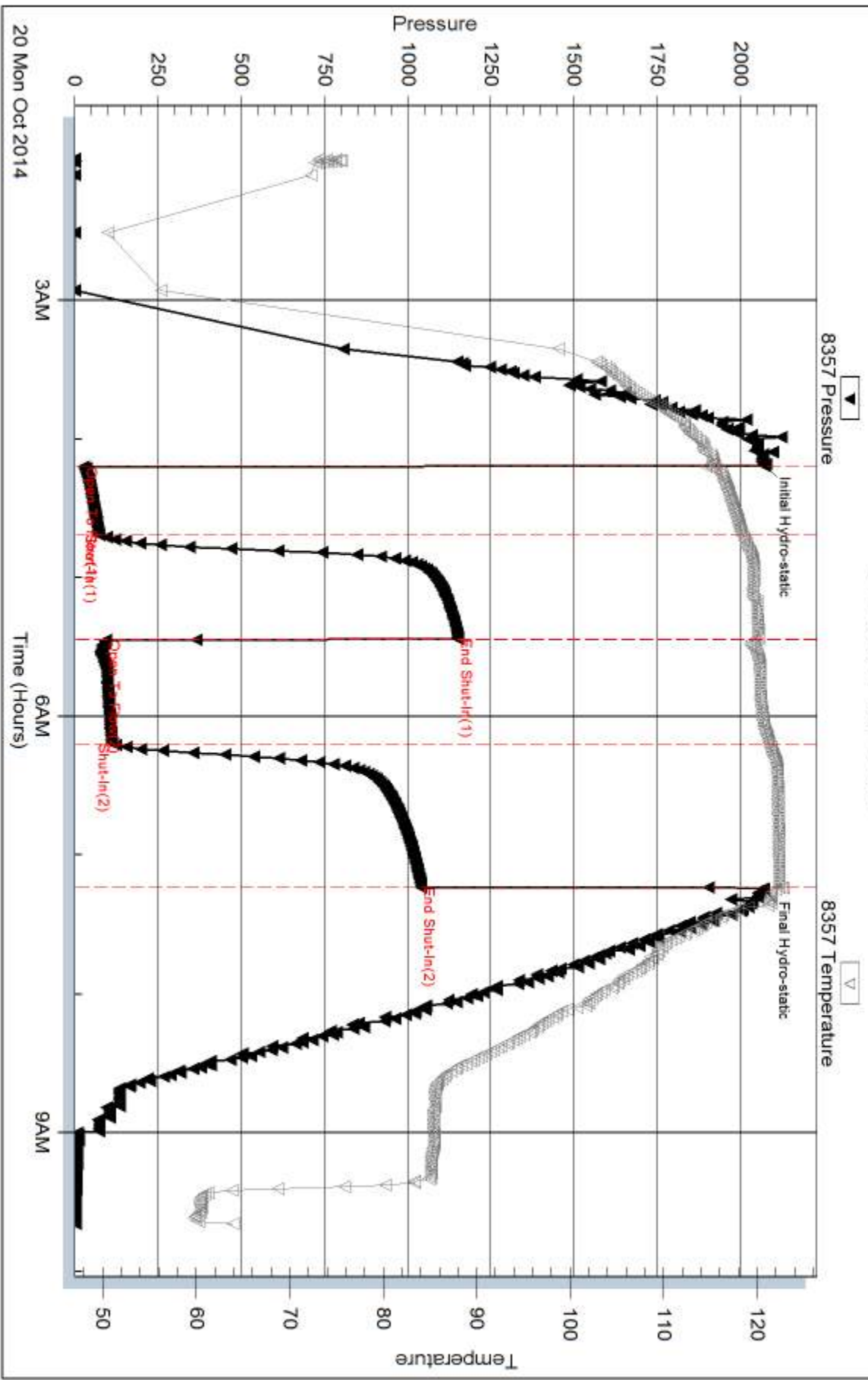
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 41 @ 70 Degrees F = 40.

### Pressure vs. Time

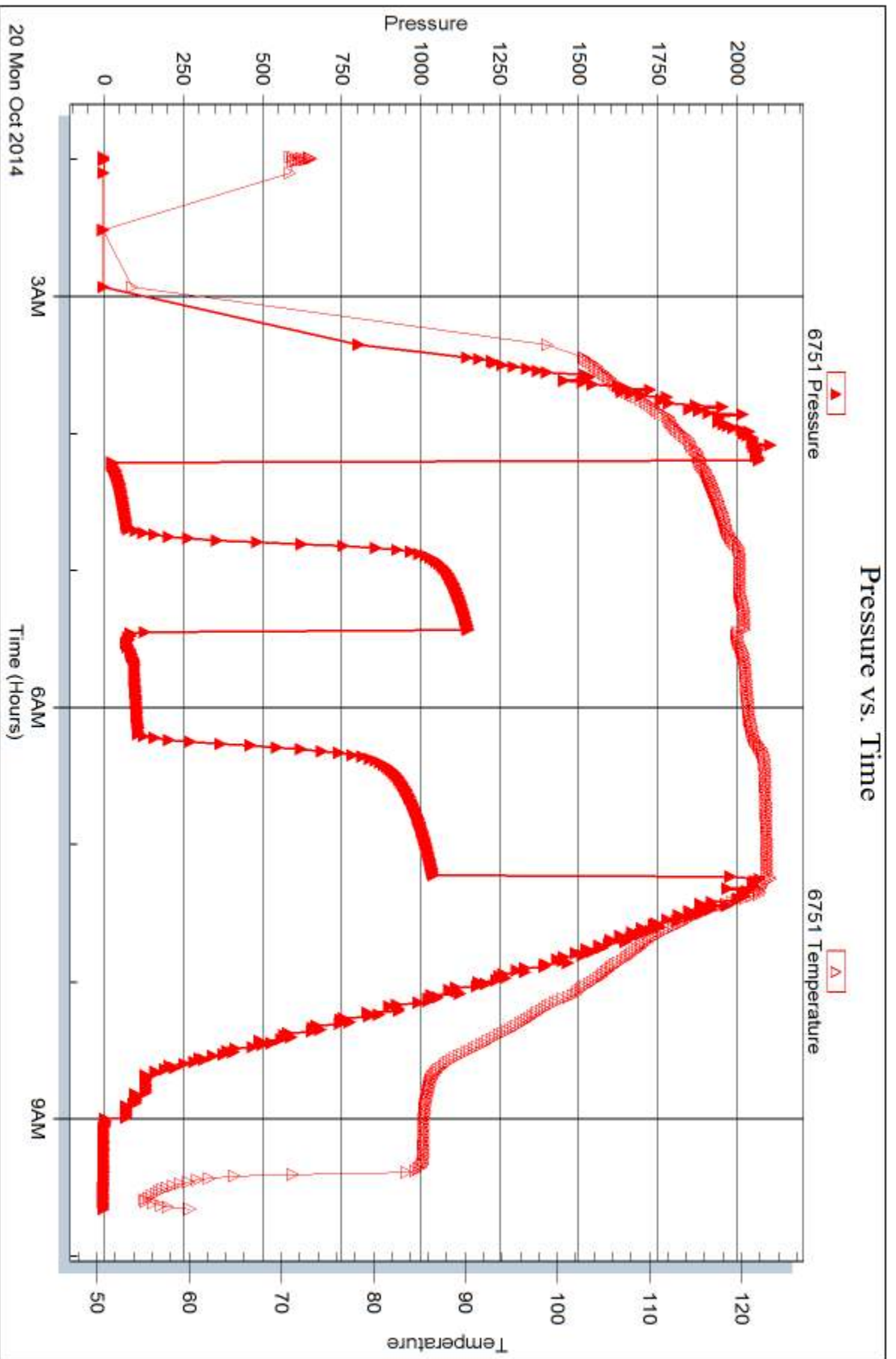


Serial #: 6751

Outside American Warrior, Inc.

Whipple 'C' #5

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Luke Thompson

### **Whipple 'C' #5**

#### **S8-18s-26w Ness,KS**

Start Date: 2014.10.21 @ 09:40:00

End Date: 2014.10.21 @ 14:57:39

Job Ticket #: 59181                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.24 @ 08:54:02

American Warrior, Inc.  
S8-18s-26w Ness,KS  
Whipple 'C' #5  
DST # 2  
Mississippian  
2014.10.21





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**S8-18s-26w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59181

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2014.10.21 @ 09:40:00

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:44:20

Time Test Ended: 14:57:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

**Interval: 4400.00 ft (KB) To 4462.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 4462.00 ft (KB) (TVD)

2500.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 30.15 psig @ 4402.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.21

End Date:

2014.10.21

Last Calib.:

2014.10.21

Start Time: 09:40:02

End Time:

14:57:40

Time On Btm:

2014.10.21 @ 11:43:10

Time Off Btm:

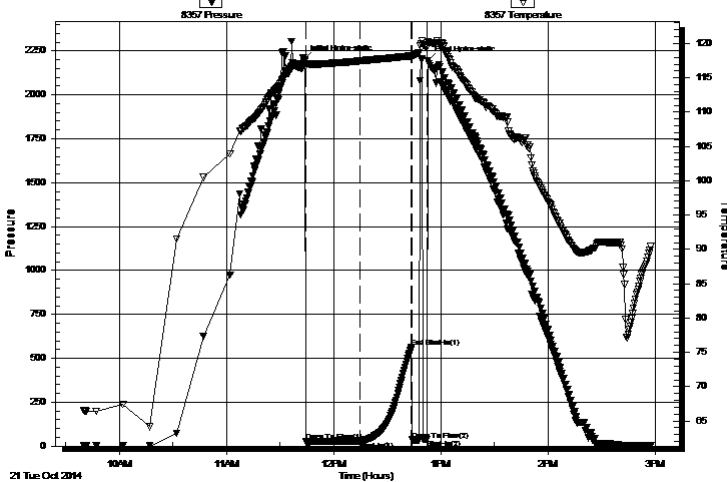
2014.10.21 @ 12:52:50

TEST COMMENT: 30- 1/2" Blow died @ 27 min.

30- No return.

10- No blow , flushed tool, surge died, pulled tool.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.88	117.08	Initial Hydro-static
2	25.20	116.60	Open To Flow (1)
32	30.15	117.47	Shut-In(1)
61	563.80	118.20	End Shut-In(1)
61	35.68	118.21	Open To Flow (2)
70	40.38	119.38	Shut-In(2)
70	2195.11	120.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 2o 98m	0.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**S8-18s-26w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59181

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2014.10.21 @ 09:40:00

## Tool Information

Drill Pipe:	Length: 4158.00 ft	Diameter: 3.82 inches	Volume: 58.94 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4400.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	89.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4373.50	
Shut In Tool	5.00			4378.50	
Hydraulic tool	5.00			4383.50	
Jars	5.00			4388.50	
Safety Joint	2.50			4391.00	
Packer	5.00			4396.00	27.50 Bottom Of Top Packer
Packer	4.00			4400.00	
Stubb	1.00			4401.00	
Perforations	1.00			4402.00	
Recorder	0.00	8357	Inside	4402.00	
Recorder	0.00	6751	Outside	4402.00	
Perforations	23.00			4425.00	
Change Over Sub	1.00			4426.00	
Drill Pipe	32.00			4458.00	
Change Over Sub	1.00			4459.00	
Bullnose	3.00			4462.00	62.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>89.50</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**S8-18s-26w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59181

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2014.10.21 @ 09:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 2o 98m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

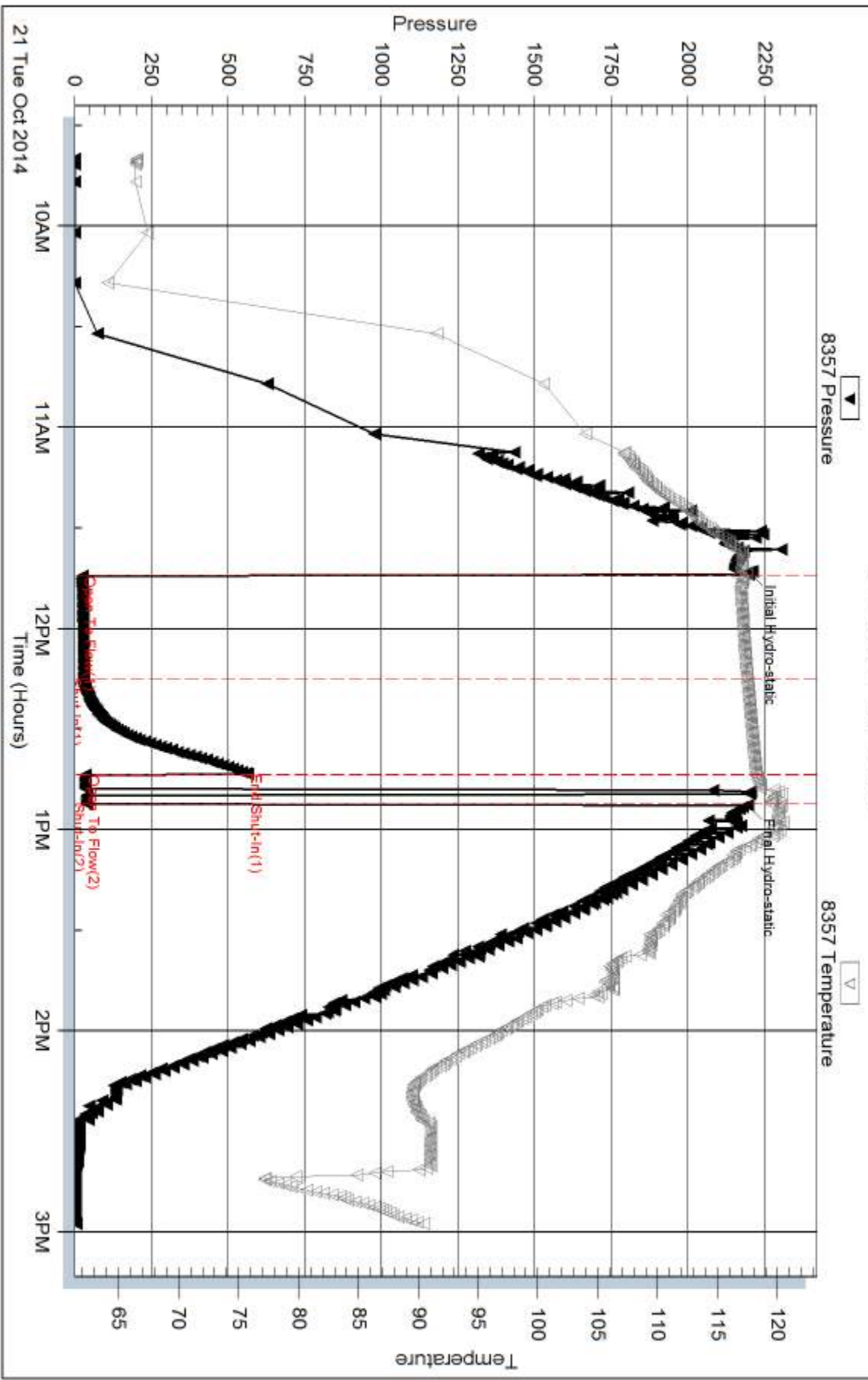
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

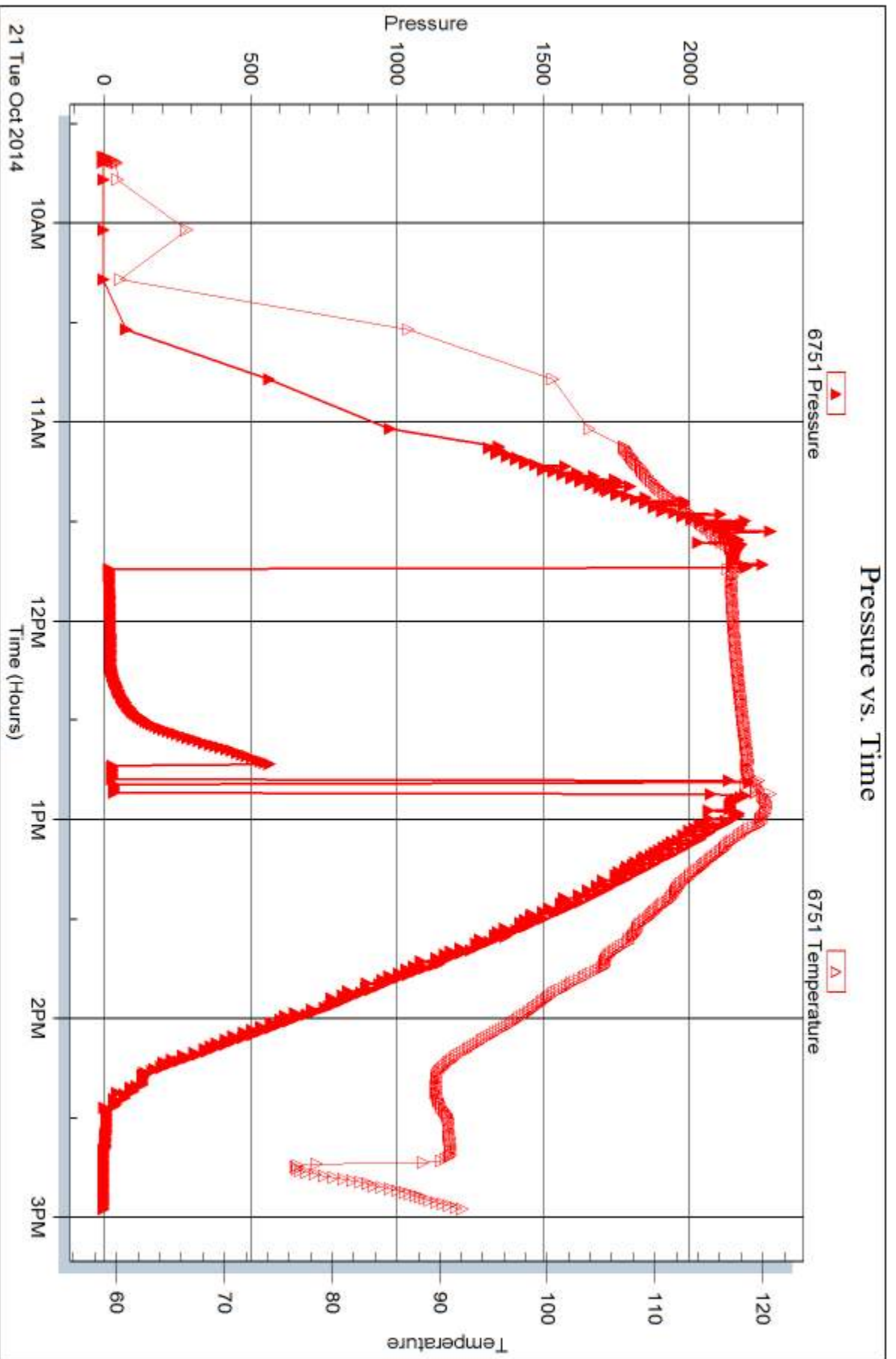


Serial #: 6751

Outside American Warrior, Inc.

Whipple C#5

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Luke Thompson

### **Whipple 'C' #5**

#### **S8-18s-26w Ness,KS**

Start Date: 2014.10.22 @ 00:04:00

End Date: 2014.10.22 @ 07:08:20

Job Ticket #: 59182                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.24 @ 08:53:19

American Warrior, Inc.  
S8-18s-26w Ness,KS  
Whipple 'C' #5  
DST # 3  
Mississippian  
2014.10.22



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**S8-18s-26w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59182

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2014.10.22 @ 00:04:00

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:57:10

Time Test Ended: 07:08:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

**Interval: 4461.00 ft (KB) To 4482.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 4482.00 ft (KB) (TVD)

2500.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8357 Inside**

Press@RunDepth: 209.43 psig @ 4464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.22 End Date: 2014.10.22

Last Calib.: 2014.10.22

Start Time: 00:04:02 End Time: 07:08:19

Time On Btm: 2014.10.22 @ 01:55:50

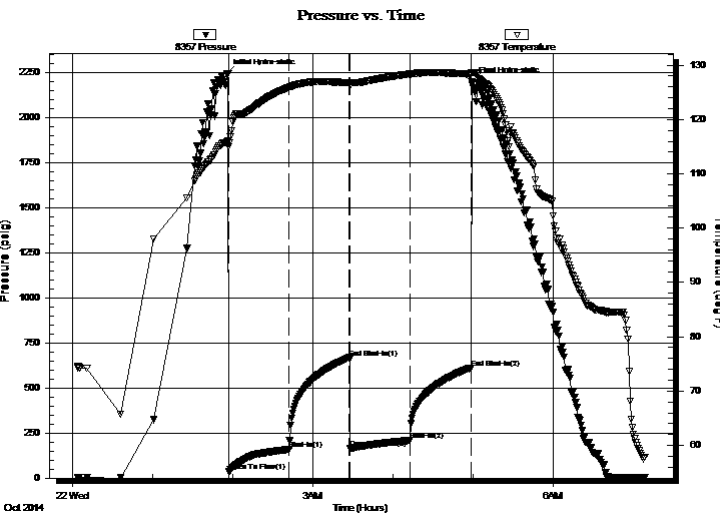
Time Off Btm: 2014.10.22 @ 04:59:00

TEST COMMENT: 45- B.O.B. @ 37 min.

45- No return.

45- 8" Blow .

45- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.97	115.85	Initial Hydro-static
2	36.85	114.95	Open To Flow (1)
47	159.97	125.89	Shut-In(1)
92	669.57	126.74	End Shut-In(1)
92	165.03	126.55	Open To Flow (2)
137	209.43	128.34	Shut-In(2)
183	612.73	128.34	End Shut-In(2)
184	2200.14	128.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
362.00	OSMW 15m 85w	2.91
55.00	OSMW 40m 60w	0.78

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**S8-18s-26w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59182

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2014.10.22 @ 00:04:00

## Tool Information

Drill Pipe:	Length: 4219.00 ft	Diameter: 3.82 inches	Volume: 59.81 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4461.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	48.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4434.50	
Shut In Tool	5.00			4439.50	
Hydraulic tool	5.00			4444.50	
Jars	5.00			4449.50	
Safety Joint	2.50			4452.00	
Packer	5.00			4457.00	27.50 Bottom Of Top Packer
Packer	4.00			4461.00	
Stubb	1.00			4462.00	
Perforations	2.00			4464.00	
Recorder	0.00	8357	Inside	4464.00	
Recorder	0.00	6751	Outside	4464.00	
Perforations	15.00			4479.00	
Bullnose	3.00			4482.00	21.00 Bottom Packers & Anchor

**Total Tool Length: 48.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Warrior, Inc.

**S8-18s-26w Ness,KS**

PO Box 399  
Garden City, KS 67846

**Whipple 'C' #5**

Job Ticket: 59182

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2014.10.22 @ 00:04:00

### 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:

36000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
362.00	OSMW 15m 85w	2.910
55.00	OSMW 40m 60w	0.780

Total Length: 417.00 ft      Total Volume: 3.690 bbl

Num Fluid Samples: 0

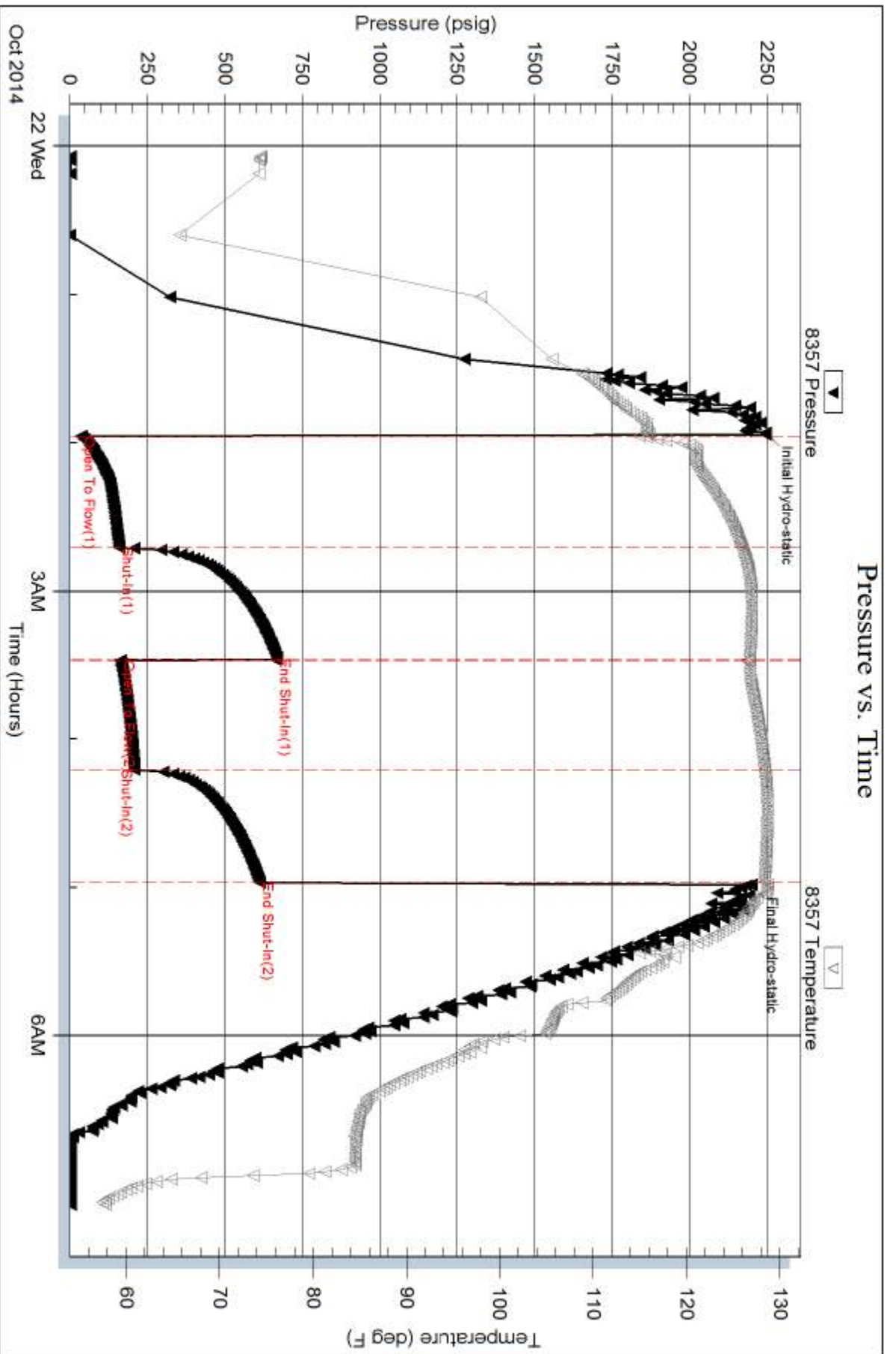
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .285 @ 51 Degrees F = 36000 PPM

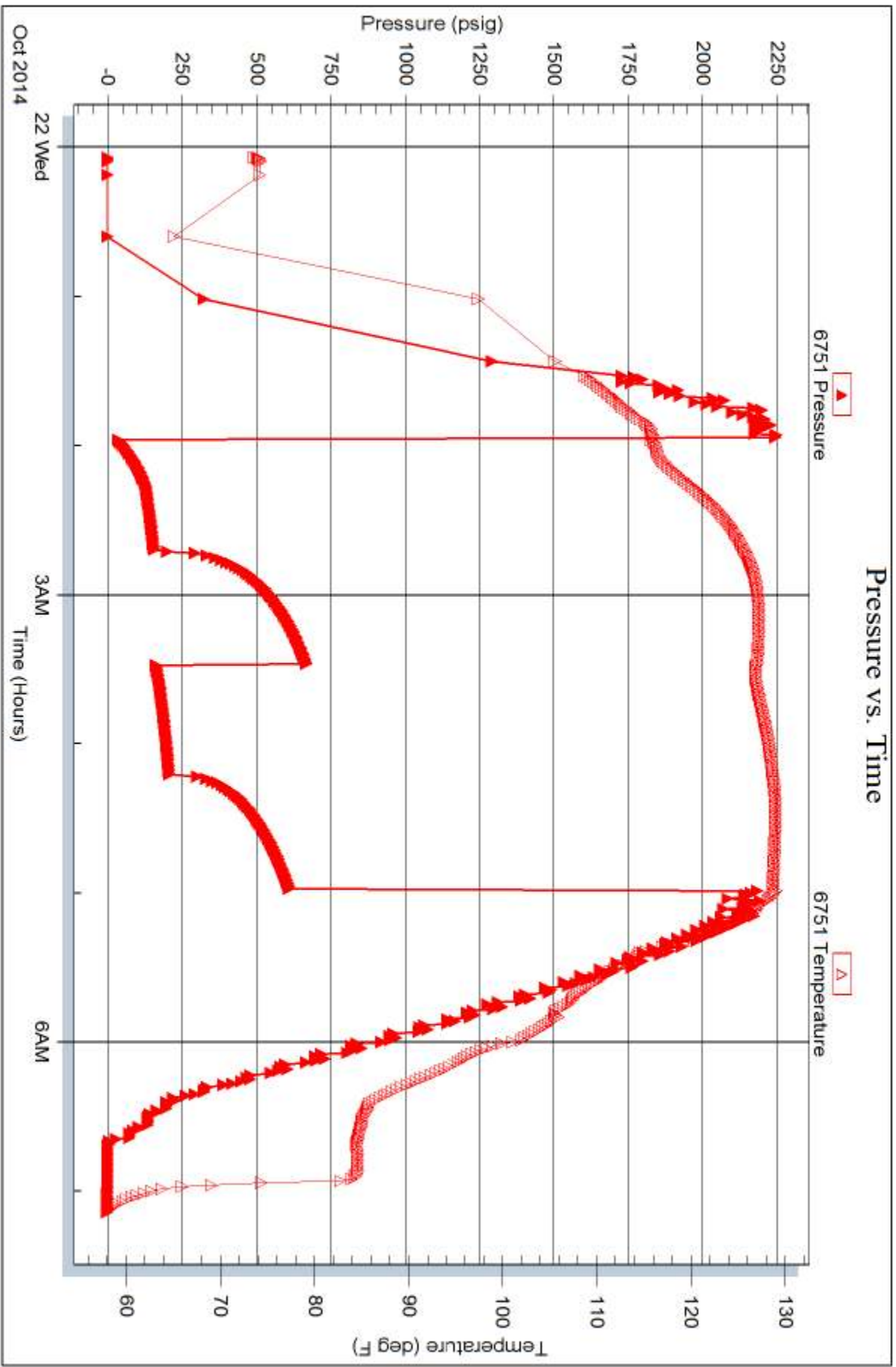


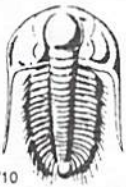
Serial #: 6751

Outside American Warrior, Inc.

Whipple C#5

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59180

4/10

Well Name & No. Whipple "C" #5 Test No. 1 Date 10-20-14  
 Company American Warrior Inc. Elevation 2511 KB 2500 GL  
 Address P.O.B. 399 Garden City, KS 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke #5  
 Location: Sec. 8 Twp. 18s Rge. 26w Co. Ness State KS

Interval Tested 4243-4274 Zone Tested Marmaton  
 Anchor Length 31 Drill Pipe Run 3998 Mud Wt. 9.2  
 Top Packer Depth 4239 Drill Collars Run 240 Vis 52  
 Bottom Packer Depth 4243 Wt. Pipe Run 0 WL 7.6  
 Total Depth 4274 Chlorides 5100 ppm System LCM 1"

Blow Description B.O.B. @ 7min.  
No return.  
B.O.B. @ 4 1/2 min.  
5" Return.

Rec	Feet of	%gas	%oil	%water	%mud
90	GMCO	10	65		25
60	GO	30	70		
120	GMCO	50	30		20
	1858' GIP				

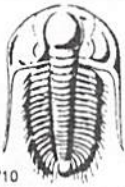
Rec Total 270 BHT 122 Gravity 40 API RW @ °F Chlorides — ppm

(A) Initial Hydrostatic 2068  Test 1250 T-On Location 1:57  
 (B) First Initial Flow 27  Jars 250 T-Started 1:59  
 (C) First Final Flow 73  Safety Joint 75 T-Open 4:12  
 (D) Initial Shut-In 1153  Circ Sub N/C T-Pulled 7:14  
 (E) Second Initial Flow 95  Hourly Standby \_\_\_\_\_ T-Out 9:39  
 (F) Second Final Flow 112  Mileage 89RT 137.95 Comments \_\_\_\_\_  
 (G) Final Shut-In 1040  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2066  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Total 1712.95  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1712.95

Approved By \_\_\_\_\_ Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59181

4/10

Well Name & No. Whipple 'C' #5 Test No. 2 Date 10-21-14  
 Company American Warrior Inc. Elevation 2511 KB 2500 GL  
 Address POB 399 Garden City, KS 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke #5  
 Location: Sec. 8 Twp. 18s Rge. 26w Co. Ness State Ks

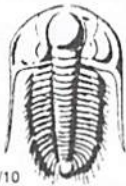
Interval Tested 4400-4462 Zone Tested Mississippian  
 Anchor Length 62 Drill Pipe Run 4158 Mud Wt. 9.5  
 Top Packer Depth 4396 Drill Collars Run 240 Vis 58  
 Bottom Packer Depth 4400 Wt. Pipe Run 0 WL 7.6  
 Total Depth 4462 Chlorides 2800 ppm System LCM 1"  
 Blow Description 1/2" Blow died @ 27min.  
No return.  
No blow, flushed tool, surge died, pulled tool.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>OCM</u>	%gas	<u>2</u> %oil	%water	<u>98</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2199</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>9:40</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>9:40</u>
(C) First Final Flow <u>30</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>11:44</u>
(D) Initial Shut-In <u>564</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>12:52</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:58</u>
(F) Second Final Flow <u>40</u>	<input checked="" type="checkbox"/> Mileage <u>89RT</u> 137.95	Comments
(G) Final Shut-In <u>N/A</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2195</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>N/A</u>	<input type="checkbox"/> Day Standby	Total <u>1712.95</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1712.95</u>	

Approved By \_\_\_\_\_ Our Representative Chuck Smith  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59182

4/10

Well Name & No. Whipple 'c' #5 Test No. 3 Date 10-22-14  
 Company American Warrior, Inc. Elevation 2511 KB 2500 GL  
 Address POB 399 Garden City, KS 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke #5  
 Location: Sec. 8 Twp. 18s Rge. 26w Co. Goove Ness State KS

Interval Tested 4461-4482 Zone Tested Mississippian  
 Anchor Length 21 Drill Pipe Run 4219 Mud Wt. 9.2  
 Top Packer Depth 4457 Drill Collars Run 120 Vis 58  
 Bottom Packer Depth 4461 Wt. Pipe Run 0 WL 7.6  
 Total Depth 4482 Chlorides 2800 ppm System LCM 1<sup>st</sup>

Blow Description B.O.B. @ 37min.  
No return.  
8" Blow.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>55</u>	<u>05 MW</u>		<u>60</u>	<u>40</u>	
<u>362</u>	<u>05 MW</u>		<u>85</u>	<u>15</u>	

Rec Total 417 BHT 128 Gravity - API RW 285 @ 51 °F Chlorides 36000 ppm

(A) Initial Hydrostatic 2248  Test 1250 T-On Location 12:00am  
 (B) First Initial Flow 37  Jars 250 T-Started 12:04  
 (C) First Final Flow 160  Safety Joint 75 T-Open 1:57  
 (D) Initial Shut-In 670  Circ Sub NIC T-Pulled 4:58  
 (E) Second Initial Flow 165  Hourly Standby N/A T-Out 7:08  
 (F) Second Final Flow 209  Mileage 89RT 137.95 Comments \_\_\_\_\_  
 (G) Final Shut-In 613  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2200  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer 320  
 Extra Copies \_\_\_\_\_  
 Sub Total 320  
 Total 2032.95  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1712.95

Approved By \_\_\_\_\_ Our Representative Chuck Smith

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