



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd.  
Garden City KS 67846

ATTN: Luke Thompson

### **Six M Unit #1-14**

### **14-22s-34w Finney,KS**

Start Date: 2015.03.28 @ 07:09:15

End Date: 2015.03.28 @ 13:07:15

Job Ticket #: 61411                      DST #: 1

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

Printed: 2015.04.01 @ 14:41:25



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61411

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2015.03.28 @ 07:09:15

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 13:07:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

**Interval: 4466.00 ft (KB) To 4493.00 ft (KB) (TVD)**

Reference Elevations: 2941.00 ft (KB)

Total Depth: 4493.00 ft (KB) (TVD)

2930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8846 Inside**

Press@RunDepth: psig @ 4488.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.28

End Date:

2015.03.28

Last Calib.:

2015.03.28

Start Time: 07:09:15

End Time:

13:07:15

Time On Btm:

2015.03.28 @ 09:41:00

Time Off Btm:

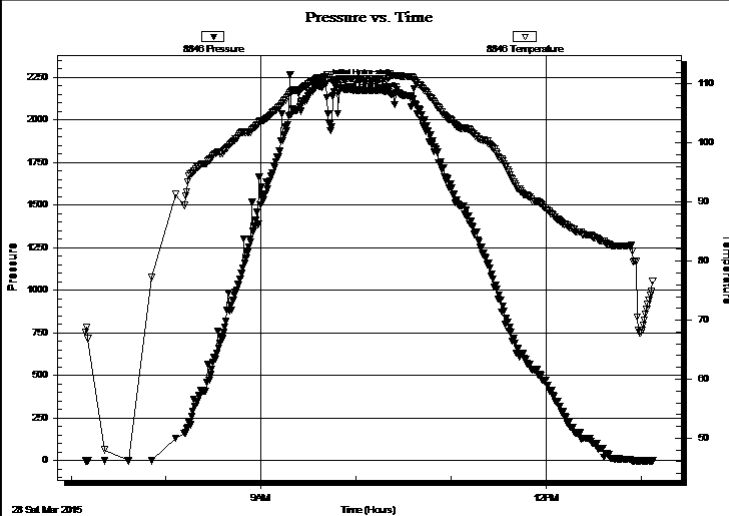
2015.03.28 @ 09:45:00

TEST COMMENT: IF:PACKER FAILURE

IS:

FF:

FS:



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.31	111.21	Initial Hydro-static
4	2137.40	110.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1488.00	mud 100% m	18.63

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61411

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2015.03.28 @ 07:09:15

## Tool Information

Drill Pipe:	Length: 4204.00 ft	Diameter: 3.80 inches	Volume: 58.97 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4466.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 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			4439.00	
Shut In Tool	5.00			4444.00	
Hydraulic tool	5.00			4449.00	
Jars	5.00			4454.00	
Safety Joint	3.00			4457.00	
Packer	5.00			4462.00	28.00 Bottom Of Top Packer
Packer	4.00			4466.00	
Stubb	1.00			4467.00	
Perforations	21.00			4488.00	
Recorder	0.00	8846	Inside	4488.00	
Recorder	0.00	8737	Outside	4488.00	
Bullnose	5.00			4493.00	27.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61411

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2015.03.28 @ 07:09:15

## 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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.69 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1488.00	mud 100% m	18.632

Total Length: 1488.00 ft      Total Volume: 18.632 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

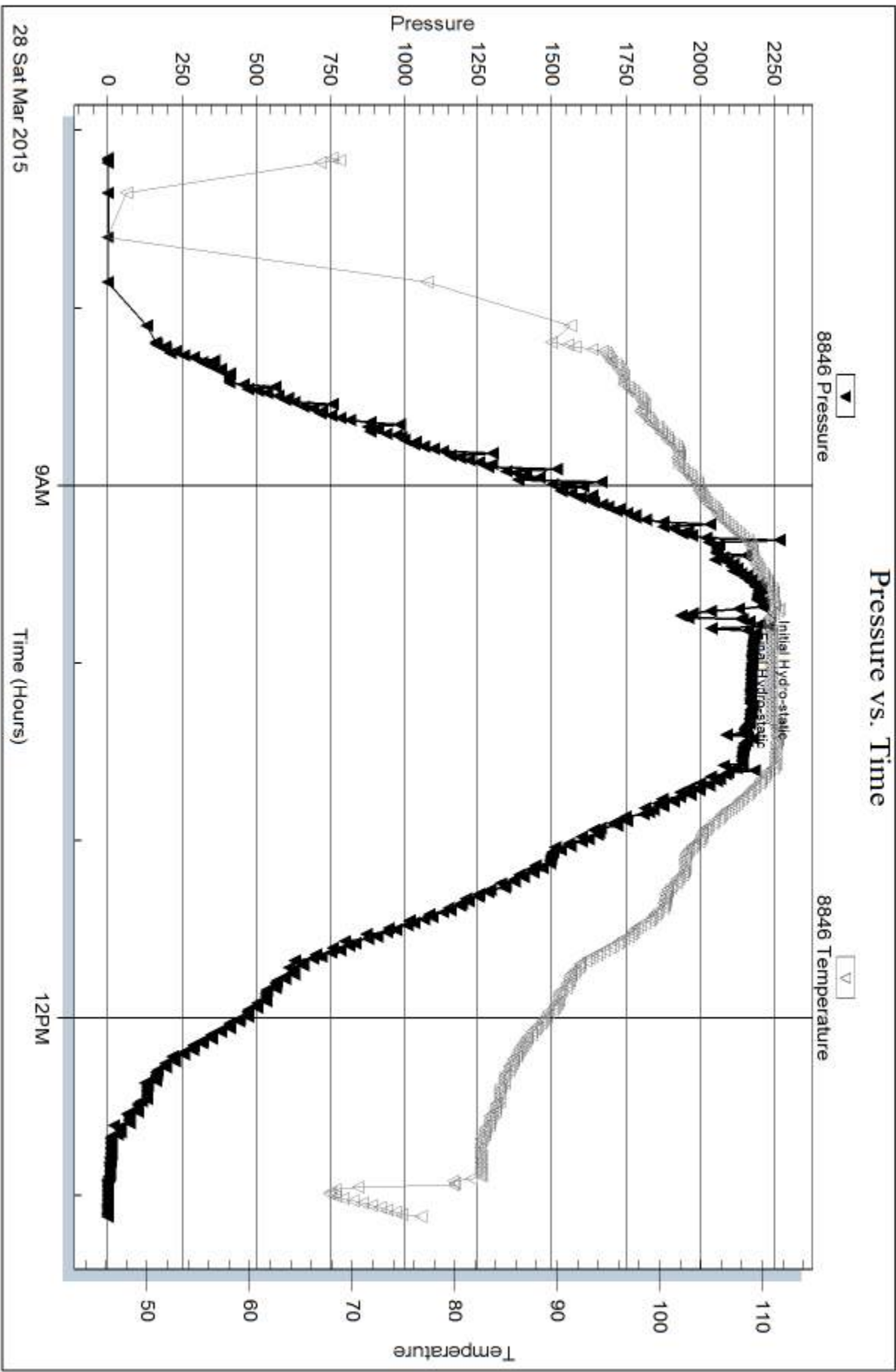
Serial #: 8846

Inside

American Warrior Inc.

Six M Unit #1-14

DST Test Number: 1

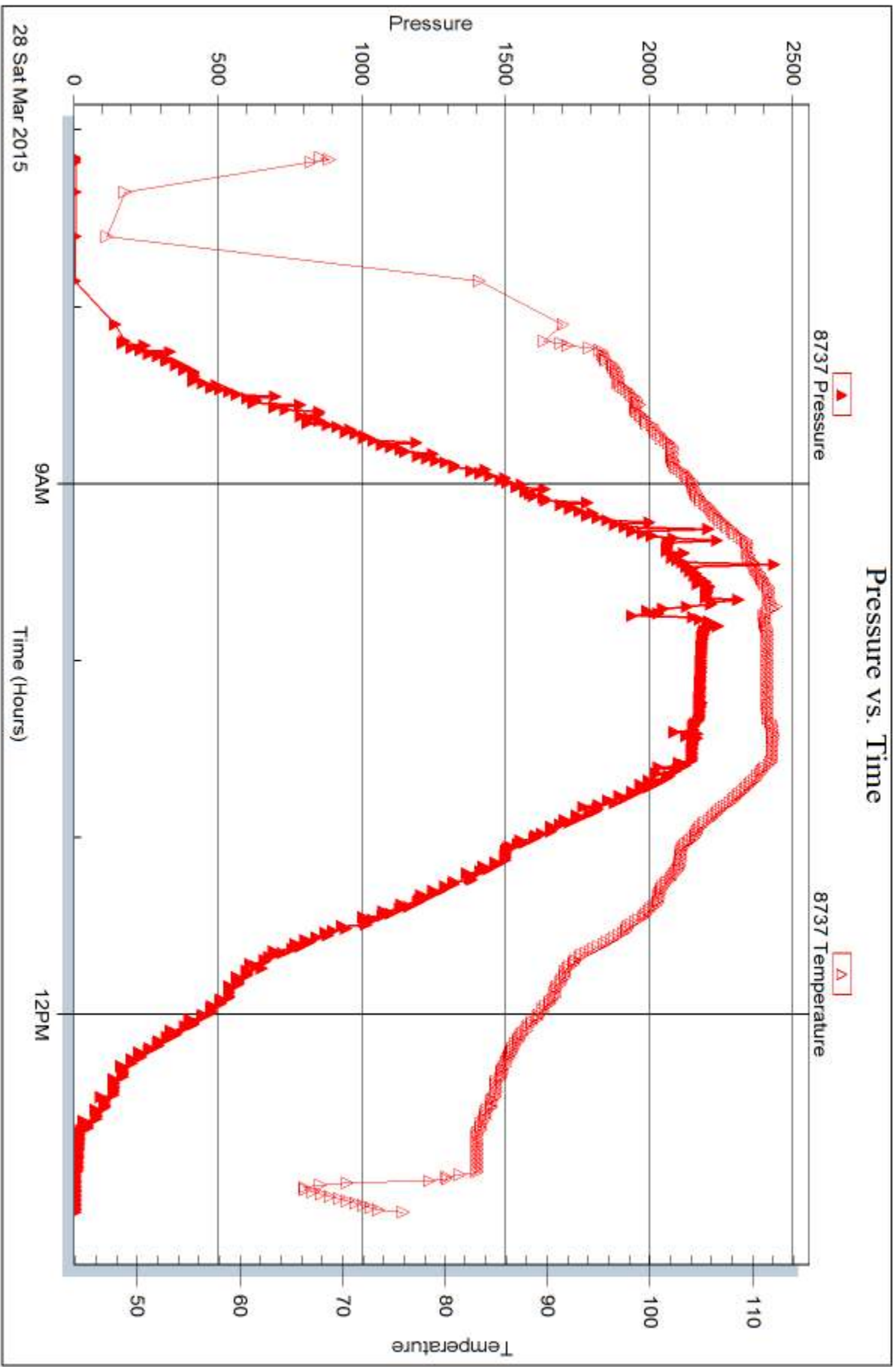


Serial #: 8737

Outside American Warrior Inc.

Six M Unit #1-14

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 61411

Printed: 2015.04.01 @ 14:41:26



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd.  
Garden City KS 67846

ATTN: Luke Thompson

### **Six M Unit #1-14**

### **14-22s-34w Finney,KS**

Start Date: 2015.03.28 @ 20:11:15

End Date: 2015.03.29 @ 03:17:15

Job Ticket #: 61412                      DST #: 2

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

Printed: 2015.04.01 @ 14:40:47





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61412

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2015.03.28 @ 20:11:15

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:13:45

Time Test Ended: 03:17:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4459.00 ft (KB) To 4493.00 ft (KB) (TVD)**

Reference Elevations: 2941.00 ft (KB)

Total Depth: 4493.00 ft (KB) (TVD)

2930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: 152.79 psig @ 4504.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.28

End Date:

2015.03.29

Last Calib.:

2015.03.29

Start Time: 20:11:15

End Time:

03:17:15

Time On Btm:

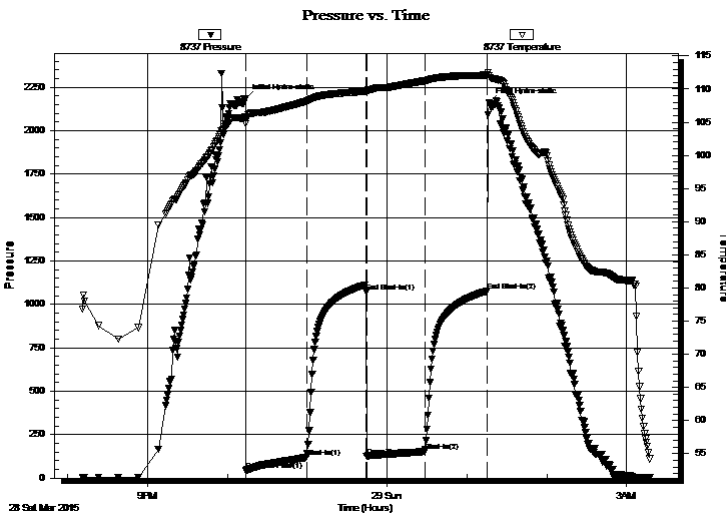
2015.03.28 @ 22:13:30

Time Off Btm:

2015.03.29 @ 01:16:30

TEST COMMENT: IF:BOB in 38 min.  
IS:No return blow  
FF:Built to 8" blow  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.37	105.85	Initial Hydro-static
1	43.28	104.78	Open To Flow (1)
46	118.72	108.18	Shut-In(1)
91	1073.80	109.64	End Shut-In(1)
91	127.34	109.49	Open To Flow (2)
135	152.79	111.25	Shut-In(2)
182	1076.92	112.11	End Shut-In(2)
183	2159.72	112.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocm 30%o 70%m	0.61
124.00	mud 100%m	0.63
62.00	mcw 5%m 95% w	0.87

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**14-22s-34w Finney, KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61412

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2015.03.28 @ 20:11:15

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:13:45

Time Test Ended: 03:17:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4459.00 ft (KB) To 4493.00 ft (KB) (TVD)**

Reference Elevations: 2941.00 ft (KB)

Total Depth: 4493.00 ft (KB) (TVD)

2930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: psig @ 4504.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.28

End Date:

2015.03.29

Last Calib.:

1899.12.30

Start Time: 20:11:15

End Time:

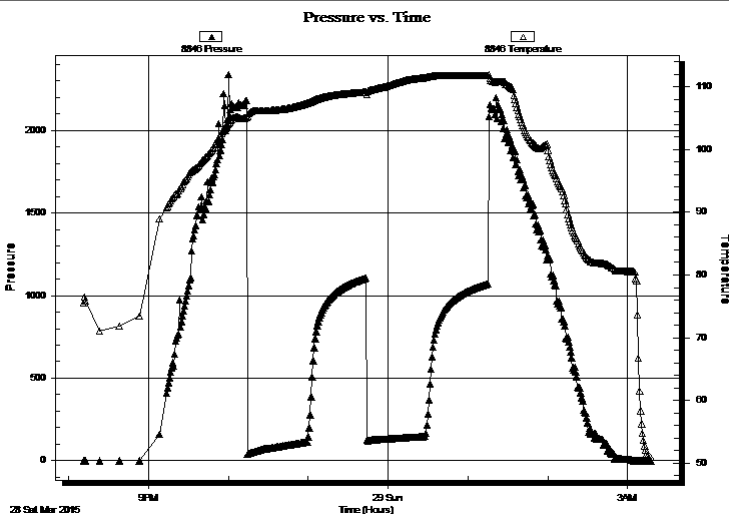
03:17:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 38 min.  
IS:No return blow  
FF:Built to 8" blow  
FS:No return blow

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocm 30%o 70%m	0.61
124.00	mud 100%m	0.63
62.00	mcw 5%m 95% w	0.87

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**14-22s-34w Finney, KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61412

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2015.03.28 @ 20:11:15

## Tool Information

Drill Pipe:	Length: 4201.00 ft	Diameter: 3.80 inches	Volume: 58.93 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4475.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 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			4448.00	
Shut In Tool	5.00			4453.00	
Hydraulic tool	5.00			4458.00	
Jars	5.00			4463.00	
Safety Joint	3.00			4466.00	
Packer	5.00			4471.00	28.00 Bottom Of Top Packer
Packer	4.00			4475.00	
Stubb	1.00			4476.00	
Perforations	28.00			4504.00	
Recorder	0.00	8846	Inside	4504.00	
Recorder	0.00	8737	Outside	4504.00	
Bullnose	5.00			4509.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 62.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61412

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2015.03.28 @ 20:11:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

11000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2250.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	ocm 30%o 70%m	0.610
124.00	mud 100%m	0.628
62.00	mcw 5%m 95% w	0.870

Total Length: 310.00 ft      Total Volume: 2.108 bbl

Num Fluid Samples: 0

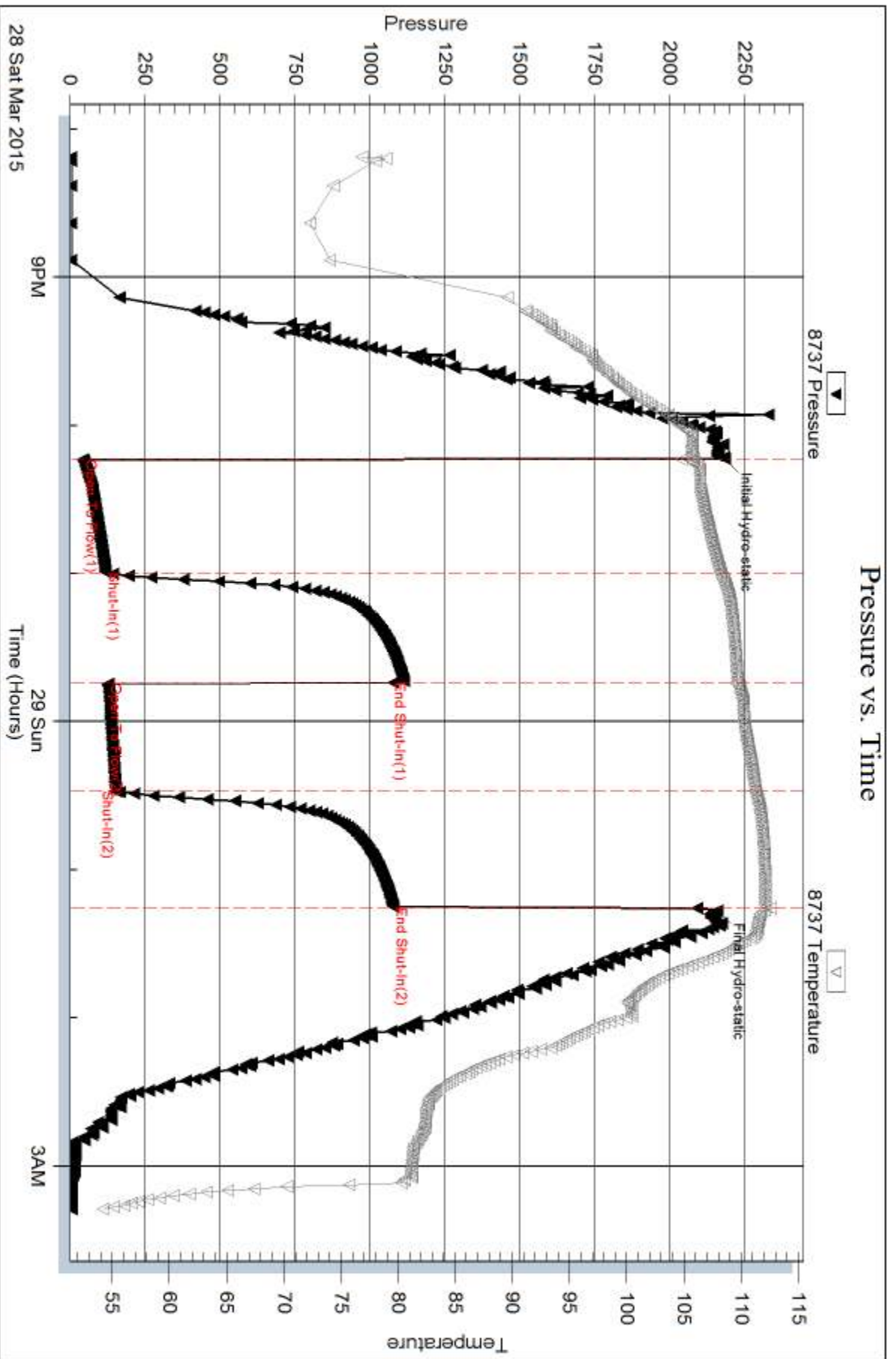
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .85@ 50.7\*=11,000 ppm  
API 37



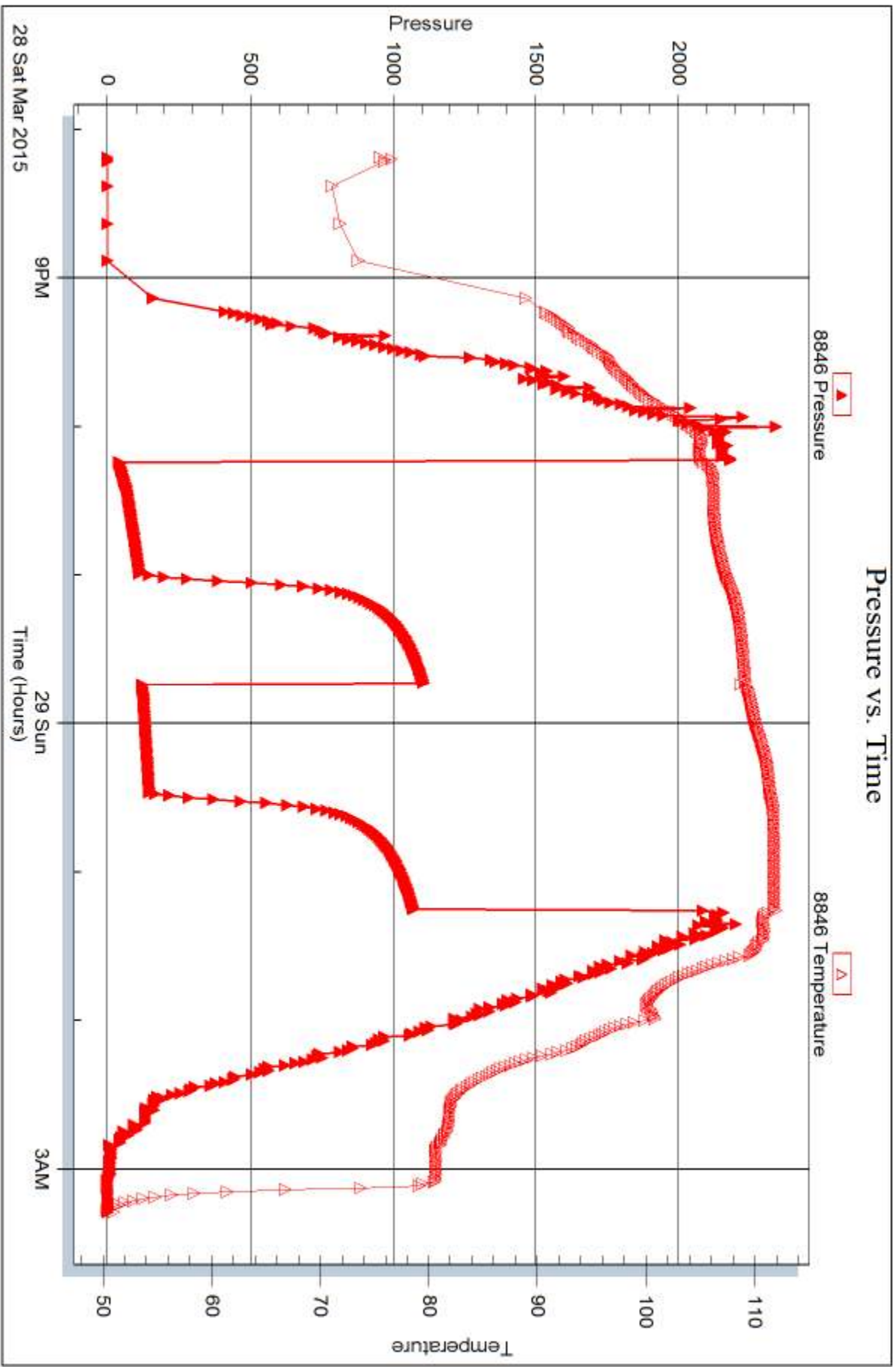
Serial #: 8846

Inside

American Warrior Inc.

Six M Unit #1-14

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61412

Printed: 2015.04.01 @ 14:40:49



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd.  
Garden City KS 67846

ATTN: Luke Thompson

### **Six M Unit #1-14**

### **14-22s-34w Finney,KS**

Start Date: 2015.03.30 @ 07:31:15

End Date: 2015.03.30 @ 13:30:15

Job Ticket #: 61413                      DST #: 3

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

Printed: 2015.04.01 @ 14:40:23



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc.

**14-22s-34w Finney, KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61413

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2015.03.30 @ 07:31:15

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 13:30:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4715.00 ft (KB) To 4844.00 ft (KB) (TVD)**

Reference Elevations: 2941.00 ft (KB)

Total Depth: 4844.00 ft (KB) (TVD)

2930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: psig @ 4717.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.30

End Date:

2015.03.30

Last Calib.:

2015.03.30

Start Time: 07:31:15

End Time:

13:30:15

Time On Btm:

2015.03.30 @ 10:23:45

Time Off Btm:

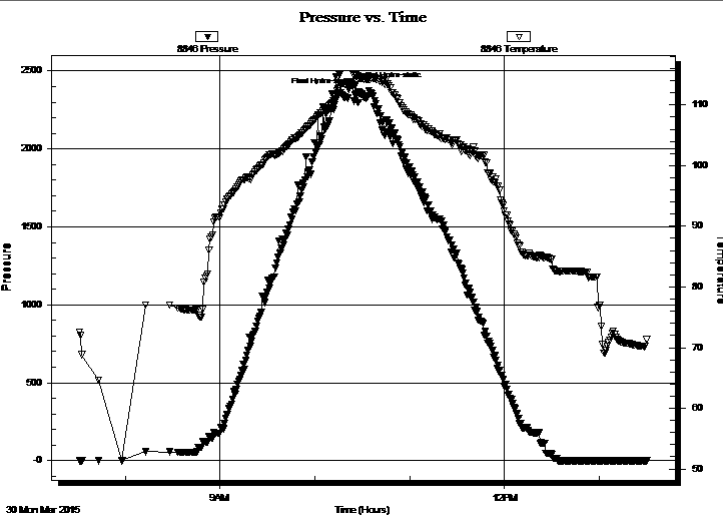
2015.03.30 @ 10:27:45

TEST COMMENT: IF:PACKER FAILURE

IS:

FF:

FS:



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2399.16	113.78	Initial Hydro-static
4	2364.75	114.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
308.00	m 100% mud	2.08

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61413

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2015.03.30 @ 07:31:15

## Tool Information

Drill Pipe:	Length: 4456.00 ft	Diameter: 3.80 inches	Volume: 62.51 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 63.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4715.00 ft			Final	73000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	129.00 ft				
Tool Length:	157.00 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			4688.00	
Shut In Tool	5.00			4693.00	
Hydraulic tool	5.00			4698.00	
Jars	5.00			4703.00	
Safety Joint	3.00			4706.00	
Packer	5.00			4711.00	28.00 Bottom Of Top Packer
Packer	4.00			4715.00	
Stubb	1.00			4716.00	
Perforations	1.00			4717.00	
Recorder	0.00	8846	Inside	4717.00	
Recorder	0.00	8737	Outside	4717.00	
Change Over Sub	1.00			4718.00	
Drill Pipe	95.00			4813.00	
Change Over Sub	1.00			4814.00	
Perforations	25.00			4839.00	
Bullnose	5.00			4844.00	129.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>157.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61413

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2015.03.30 @ 07:31:15

## 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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.53 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
308.00	m 100% mud	2.079

Total Length: 308.00 ft      Total Volume: 2.079 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

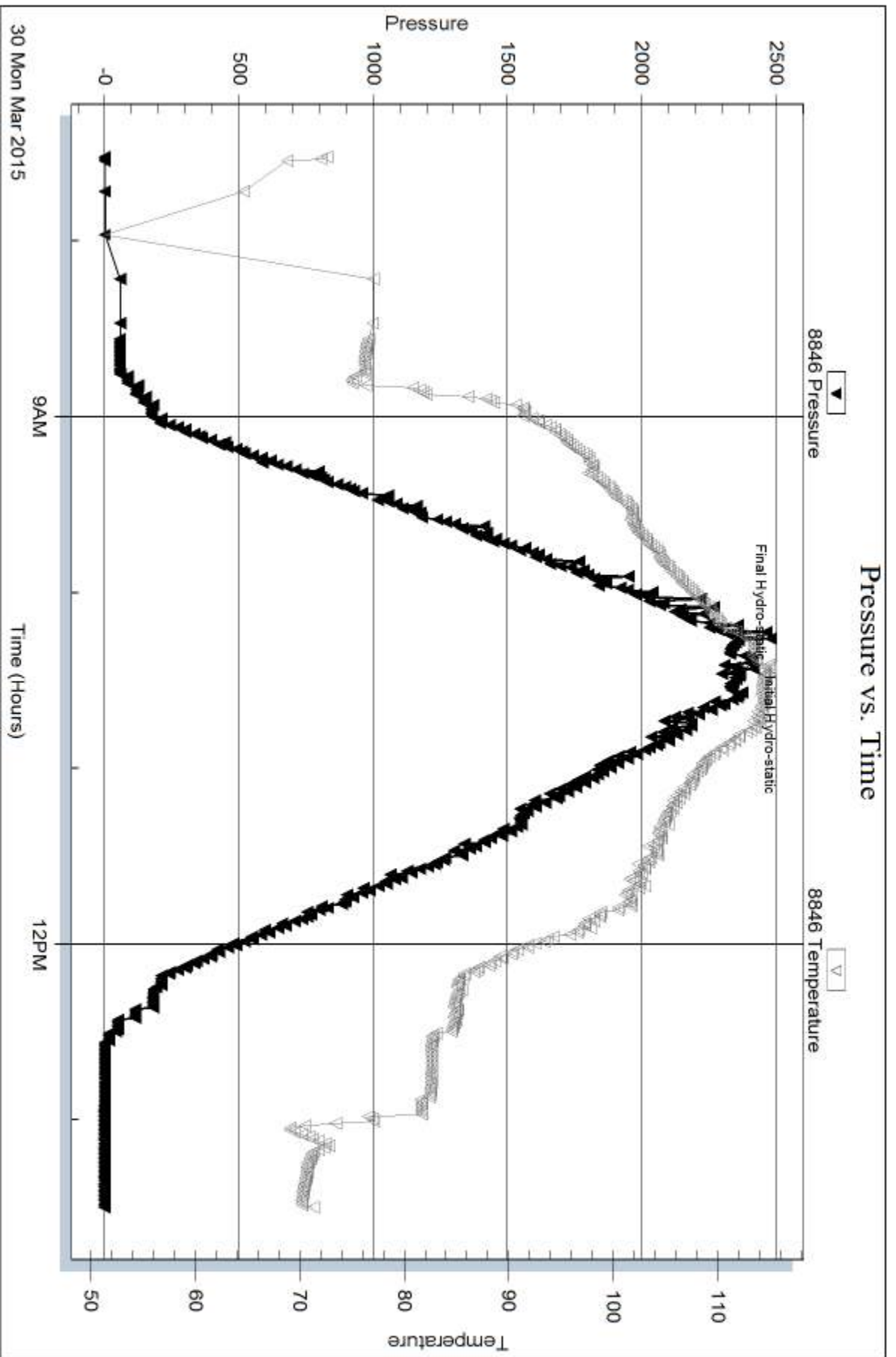
Serial #: 8846

Inside

American Warrior Inc.

Six M Unit #1-14

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 61413

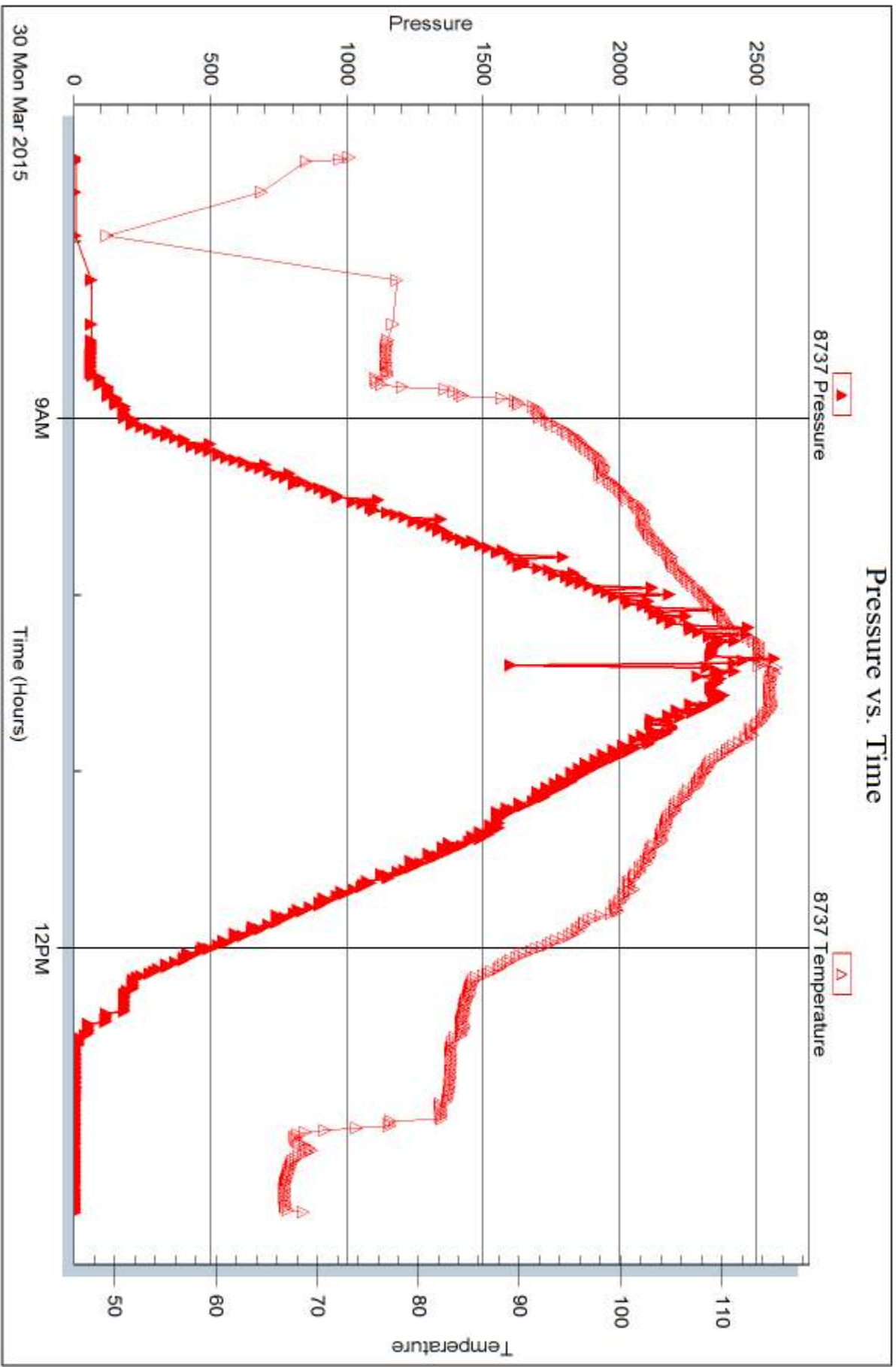
Printed: 2015.04.01 @ 14:40:25

Serial #: 8737

Outside American Warrior Inc.

Six M Unit #1-14

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 61413

Printed: 2015.04.01 @ 14:40:25



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd.  
Garden City KS 67846

ATTN: Luke Thompson

### **Six M Unit #1-14**

### **14-22s-34w Finney,KS**

Start Date: 2015.03.30 @ 15:48:15

End Date: 2015.03.30 @ 21:10:30

Job Ticket #: 61414                      DST #: 4

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

Printed: 2015.04.01 @ 14:38:52



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

ATTN: Luke Thompson

Job Ticket: 61414

**DST#: 4**

Test Start: 2015.03.30 @ 15:48:15

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:48:30

Time Test Ended: 21:10:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4702.00 ft (KB) To 4844.00 ft (KB) (TVD)**

Reference Elevations: 2941.00 ft (KB)

Total Depth: 4844.00 ft (KB) (TVD)

2930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: 101.77 psig @ 4706.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.30

End Date: 2015.03.30

Last Calib.: 2015.03.30

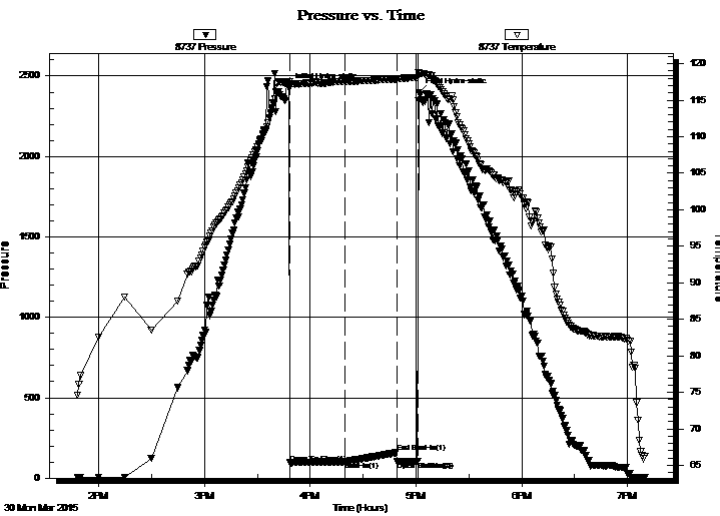
Start Time: 13:48:00

End Time: 19:10:15

Time On Btm: 2015.03.30 @ 15:48:00

Time Off Btm: 2015.03.30 @ 17:01:45

TEST COMMENT: IF: Built to 1/2" blow  
IS: No return blow  
FF: No blow  
FS: Pulled test



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2425.98	117.51	Initial Hydro-static
1	95.06	116.74	Open To Flow (1)
32	101.77	117.54	Shut-In(1)
61	159.47	117.89	End Shut-In(1)
62	104.23	117.88	Open To Flow (2)
73	105.03	118.13	Shut-In(2)
74	2398.79	118.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61414

**DST#: 4**

ATTN: Luke Thompson

Test Start: 2015.03.30 @ 15:48:15

## Tool Information

Drill Pipe:	Length: 4454.00 ft	Diameter: 3.80 inches	Volume: 62.48 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4702.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	142.00 ft			
Tool Length:	170.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4675.00	
Shut In Tool	5.00			4680.00	
Hydraulic tool	5.00			4685.00	
Jars	5.00			4690.00	
Safety Joint	3.00			4693.00	
Packer	5.00			4698.00	28.00 Bottom Of Top Packer
Packer	4.00			4702.00	
Stubb	1.00			4703.00	
Perforations	3.00			4706.00	
Recorder	0.00	8846	Inside	4706.00	
Recorder	0.00	8737	Outside	4706.00	
Change Over Sub	1.00			4707.00	
Drill Pipe	126.00			4833.00	
Change Over Sub	1.00			4834.00	
Perforations	5.00			4839.00	
Bullnose	5.00			4844.00	142.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>170.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61414

**DST#: 4**

ATTN: Luke Thompson

Test Start: 2015.03.30 @ 15:48:15

## 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: 44.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbf

Num Fluid Samples: 0

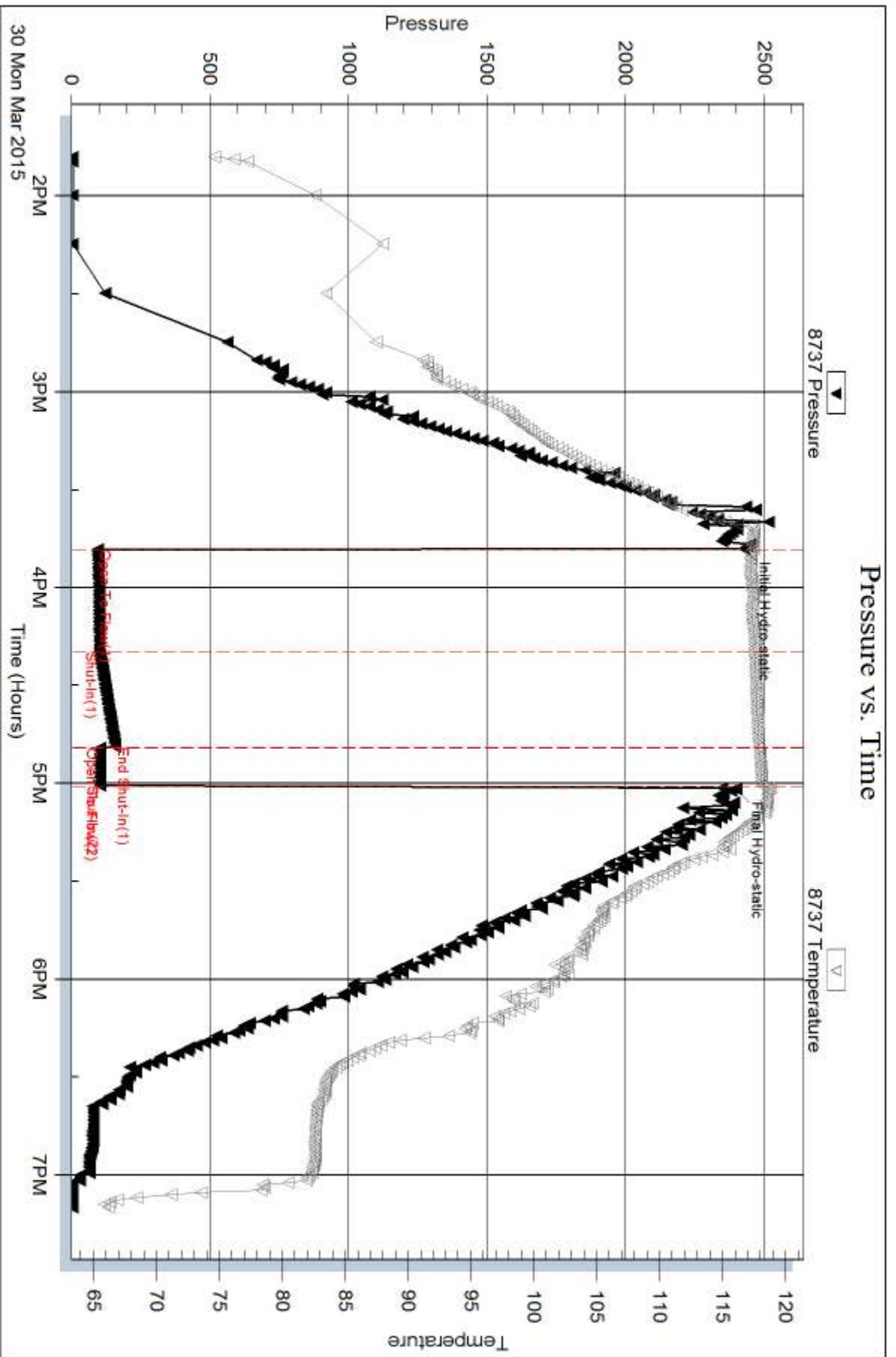
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



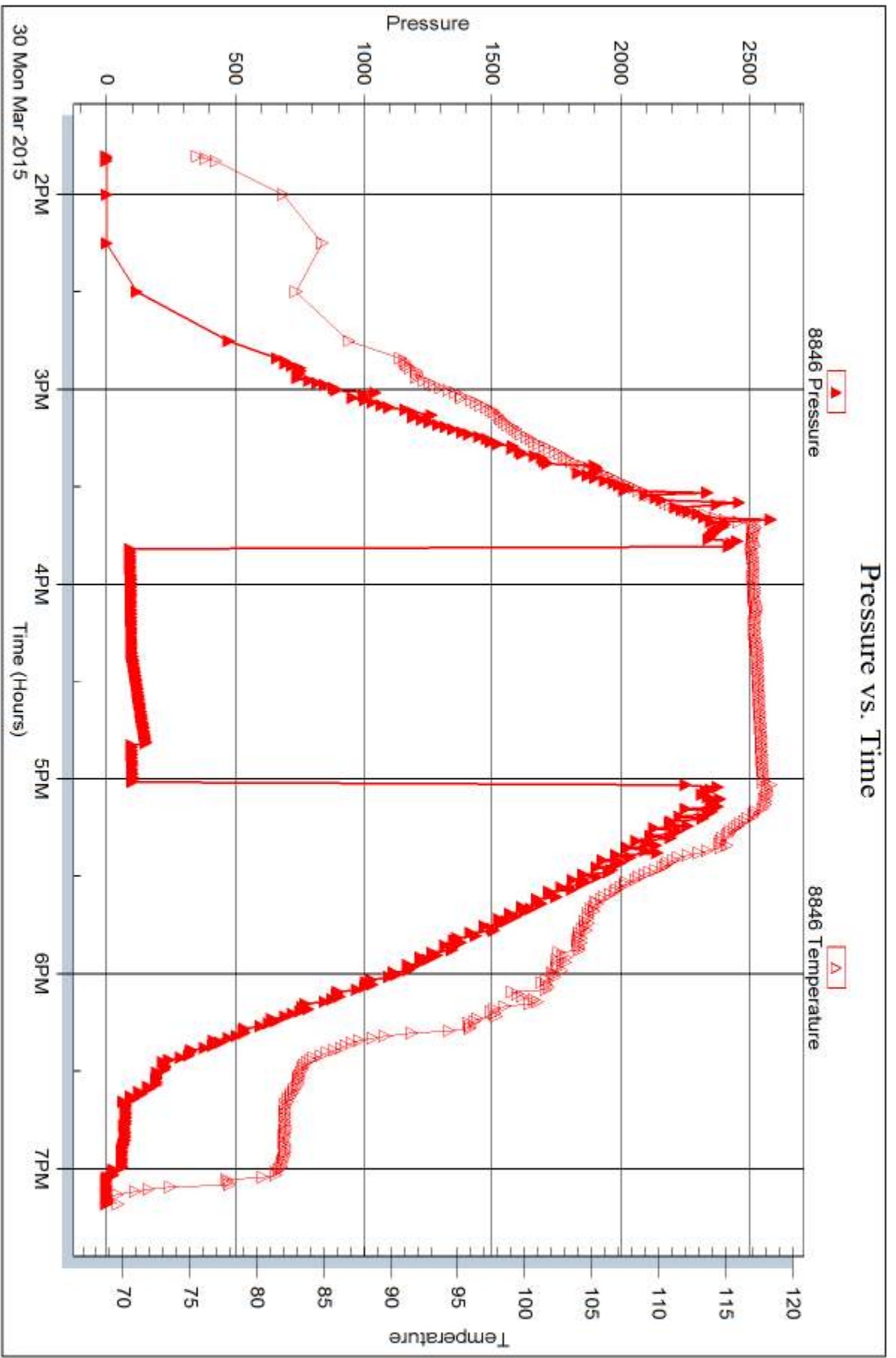
Serial #: 8846

Inside

American Warrior Inc.

Six M Unit #1-14

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61414

Printed: 2015.04.01 @ 14:39:01



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd.  
Garden City KS 67846

ATTN: Luke Thompson

### **Six M Unit #1-14**

### **14-22s-34w Finney,KS**

Start Date: 2015.03.31 @ 16:37:15

End Date: 2015.03.31 @ 22:38:15

Job Ticket #: 61415                      DST #: 5

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

Printed: 2015.04.01 @ 14:37:56



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61415

**DST#: 5**

ATTN: Luke Thompson

Test Start: 2015.03.31 @ 16:37:15

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:09:45

Time Test Ended: 22:38:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4610.00 ft (KB) To 4624.00 ft (KB) (TVD)**

Total Depth: 4948.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2930.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8846 Inside**

Press@RunDepth: 25.90 psig @ 4614.00 ft (KB)

Start Date: 2015.03.31

End Date: 2015.03.31

Start Time: 16:37:15

End Time: 22:38:15

Capacity: 8000.00 psig

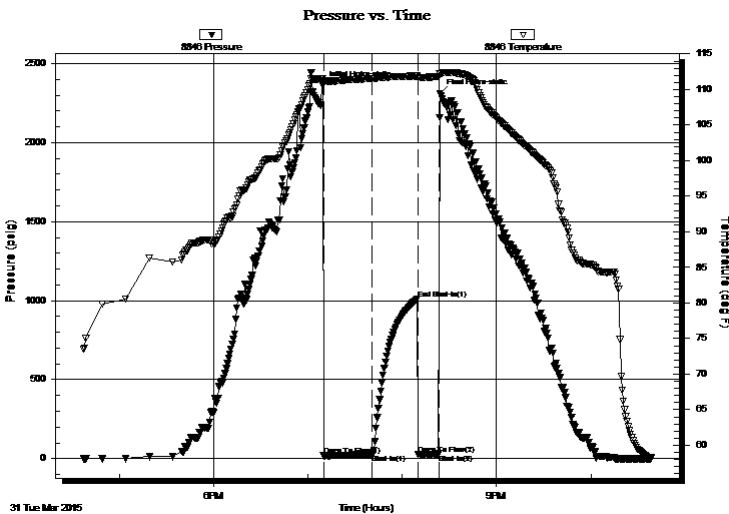
Last Calib.: 2015.03.31

Time On Btm: 2015.03.31 @ 19:09:30

Time Off Btm: 2015.03.31 @ 20:24:00

TEST COMMENT: IF: Built to 1/8" blow  
IS: No return blow  
FF: No blow  
FS: Pulled test

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2361.40	111.52	Initial Hydro-static
1	18.84	110.82	Open To Flow (1)
32	25.90	111.53	Shut-In(1)
61	1011.70	111.90	End Shut-In(1)
61	27.41	111.67	Open To Flow (2)
74	30.86	111.83	Shut-In(2)
75	2309.58	112.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

## Gas Rates

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

\* Recovery from multiple tests









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61415

**DST#: 5**

ATTN: Luke Thompson

Test Start: 2015.03.31 @ 16:37:15

## Tool Information

Drill Pipe:	Length: 4361.00 ft	Diameter: 3.80 inches	Volume: 61.17 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4610.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	337.00 ft			
Tool Length:	361.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4587.00	
Shut In Tool	5.00			4592.00	
Hydraulic tool	5.00			4597.00	
Jars	5.00			4602.00	
Safety Joint	3.00			4605.00	
Packer	5.00			4610.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4610.00	
Stubb	1.00			4611.00	
Perforations	3.00			4614.00	
Recorder	0.00	8846	Inside	4614.00	
Recorder	0.00	8737	Outside	4614.00	
Perforations	5.00			4619.00	
Blank Off Sub	1.00			4620.00	
Packer	3.00			4623.00	337.00 Tool Interval
Packer	0.00			4623.00	
Stubb	1.00			4624.00	
Perforations	3.00			4627.00	
Change Over Sub	1.00			4628.00	
Recorder	0.00	8646	Below	4628.00	
Drill Pipe	313.00			4941.00	
Change Over Sub	1.00			4942.00	
Bullnose	5.00			4947.00	1000360.00 Bottom Packers & Anchor

**Total Tool Length: 361.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**14-22s-34w Finney,KS**

3118 Cummings Rd.  
Garden City KS 67846

**Six M Unit #1-14**

Job Ticket: 61415

**DST#: 5**

ATTN: Luke Thompson

Test Start: 2015.03.31 @ 16:37:15

## 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8846

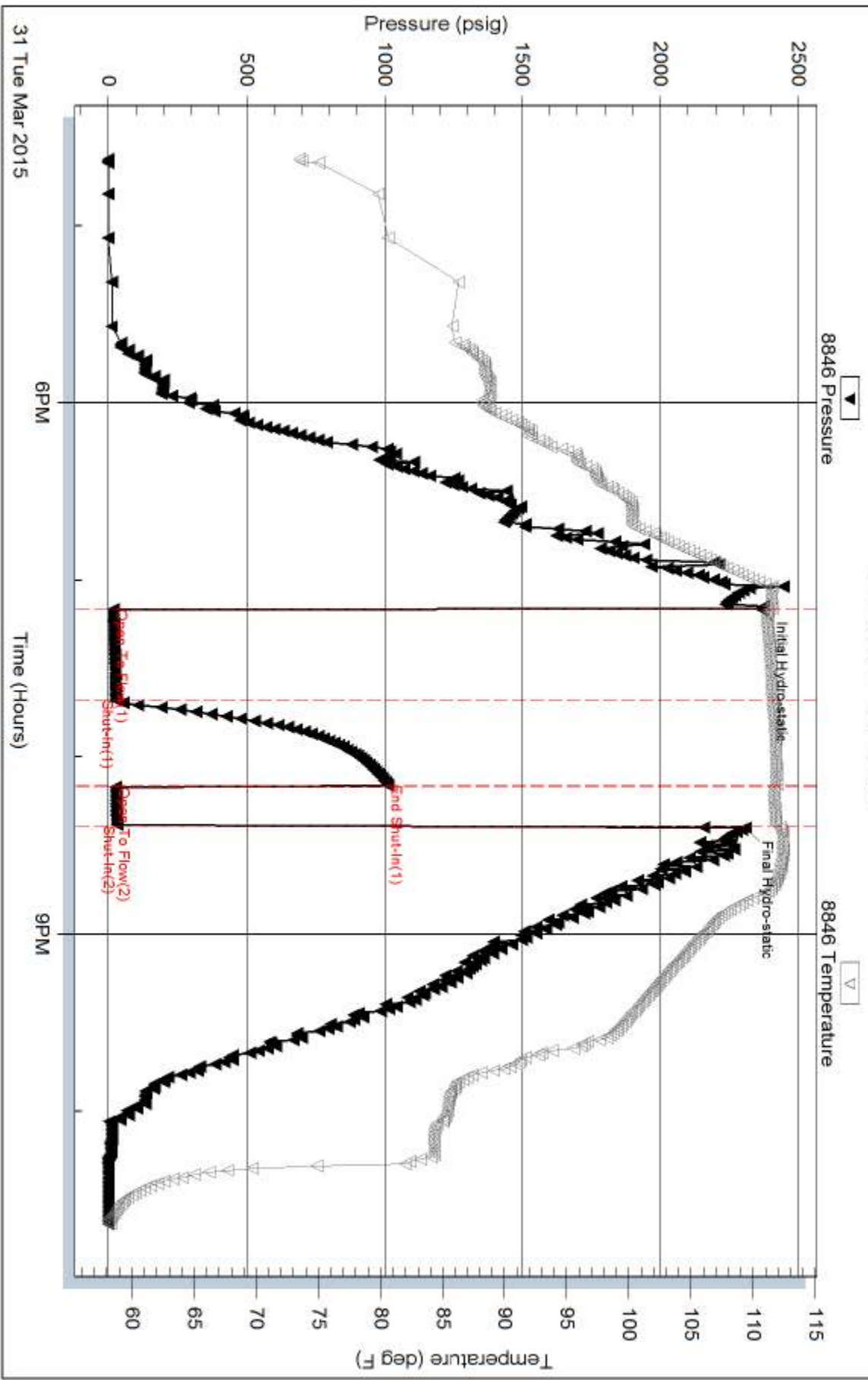
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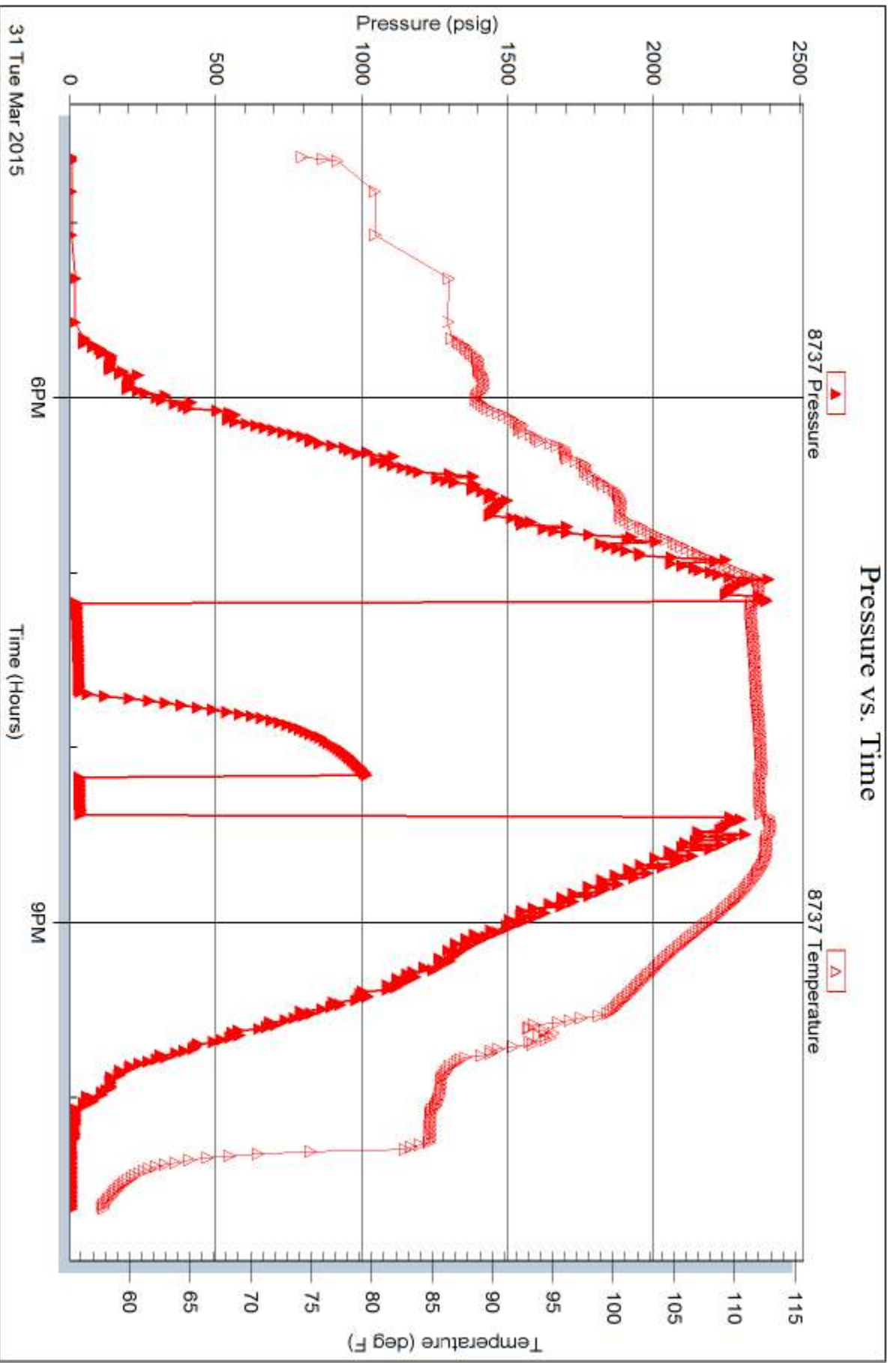
American Warrior Inc.

Six M Unit #1-14

DST Test Number: 5

### Pressure vs. Time



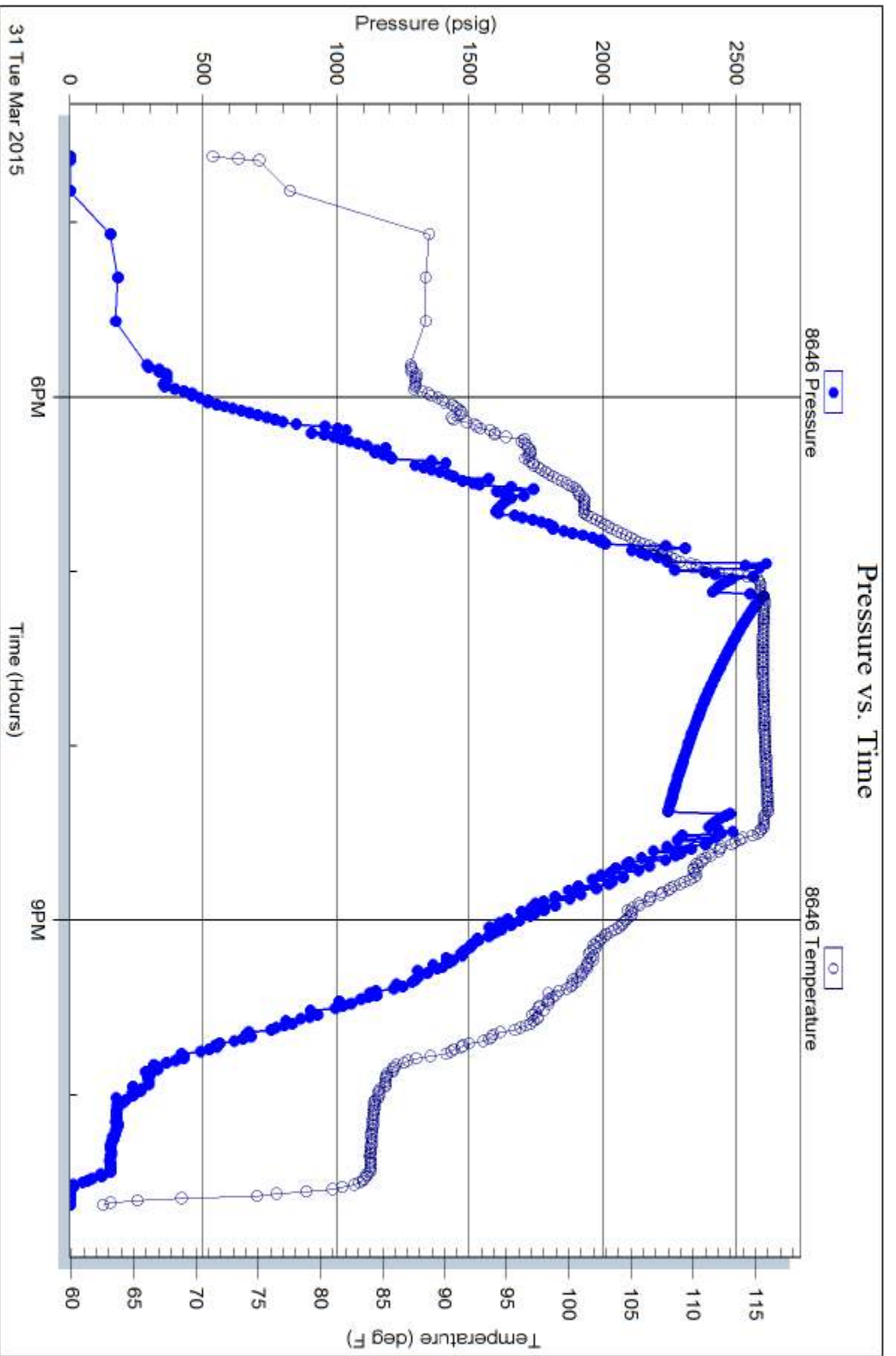


Serial #: 8646

Below (Stratfield) Warrior Inc.

Six M Unit #1-14

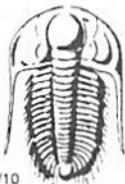
DST Test Number: 5



Tribble Testing, Inc

Ref. No: 61415

Printed: 2015.04.01 @ 14:37:58



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61411

Well Name & No. Six M Unit #1-14 Test No. 1 Date 3-28-15  
 Company American Warrior Inc Elevation ~~2751~~ 2941 KB ~~2941~~ 2930 GL  
 Address 3118 Cummings Rd Garden City KS 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke 5  
 Location: Sec. 14 Twp. 22S Rge. 34W Co. Finney State KS

Interval Tested 4466-4493 Zone Tested Pawnee  
 Anchor Length 27 Drill Pipe Run 4204 Mud Wt. 9.0  
 Top Packer Depth 4461 Drill Collars Run 246 Vis 47  
 Bottom Packer Depth 4466 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4493 Chlorides 1600 ppm System LCM 1

Blow Description IF:  
IS:  
FFI Packer  
FS: Failure

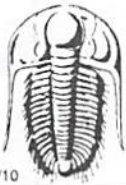
Rec	Feet of	%gas	%oil	%water	%mud
<u>1488'</u>	<u>MUD 100%</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1488 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2211  Test 950 1150.00 T-On Location 05:00  
 (B) First Initial Flow \_\_\_\_\_  Jars 250.00 T-Started 07:09  
 (C) First Final Flow \_\_\_\_\_  Safety Joint 75.00 T-Open \_\_\_\_\_  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub NC T-Pulled \_\_\_\_\_  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 13:07  
 (F) Second Final Flow \_\_\_\_\_  Mileage 66 RT 66.00 Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2137  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1341  
 Accessibility \_\_\_\_\_ 1341 MP/DST Disc't \_\_\_\_\_  
 Sub Total \$1541.00/-

Approved By \_\_\_\_\_ Our Representative Luke Bobich

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. 61412

Well Name & No. Six M Unit 1-14 Test No. 2 Date 3-28-15  
 Company American Warrior Inc Elevation 2941 KB 2930 GL  
 Address 3118 Cummings Rd Garden City KS 67844  
 Co. Rep / Geo. Luke Thompson Rig Duke 5  
 Location: Sec. 14 Twp. 22S Rge. 34w Co. Finney State KS

Interval Tested 4459-4493 Zone Tested Pawnee  
 Anchor Length 34 Drill Pipe Run ~~700~~ 4201 Mud Wt. 9.4  
 Top Packer Depth 4454 Drill Collars Run 246 Vis 45  
 Bottom Packer Depth 4459 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4493 Chlorides 2250 ppm System LCM 2

Blow Description IF: BOB in 38 Min  
IS: No Return Blow  
FF: Built to 8" Blow  
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>OCM</u>	<u>30</u>		<u>70</u>	
<u>124</u>	<u><del>OCM</del> MUD</u>				<u>100</u>
<u>62</u>	<u>mcw</u>			<u>95</u>	<u>5</u>

Rec Total 310 BHT 112 Gravity 37 API RW .85 @ 50.7 °F Chlorides 11000 ppm

- (A) Initial Hydrostatic 2184
- (B) First Initial Flow 43
- (C) First Final Flow 118
- (D) Initial Shut-In 1073
- (E) Second Initial Flow 127
- (F) Second Final Flow 152
- (G) Final Shut-In 1076
- (H) Final Hydrostatic 2159

- Test 1150.00
- Jars 250.00
- Safety Joint 75.00
- Circ Sub NL
- Hourly Standby

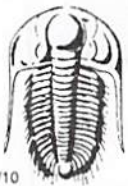
- Mileage 66RT 66.00
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total \$1541.00/-

- T-On Location 19:40
- T-Started 20:11
- T-Open 22:14
- T-Pulled 01:14
- T-Out 03:17

Comments \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1541  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Mike Roberts

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. 61413

Well Name & No. Six M Unit 1-14 Test No. 3 Date 3-30-15  
 Company American Warrior Inc Elevation 2941 KB 2930 GL  
 Address 3118 Cummings Rd Garden City KS 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke 5  
 Location: Sec. 14 Twp. 22S Rge. 34W Co. ~~Finney~~ Finney State KS

Interval Tested 4715-4844 Zone Tested Morrow  
 Anchor Length 129 Drill Pipe Run 4456 Mud Wt. 9.8  
 Top Packer Depth 4710 Drill Collars Run 246 Vis 544  
 Bottom Packer Depth 4715 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4844 Chlorides ~~2200~~ 3300 ppm System LCM 2

Blow Description IF:  
IS:  
FF: **PACKER FAILURE**  
FS:

Rec	Feet of	%gas	%oil	%water	%mud
<u>308</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

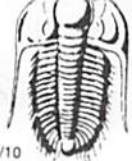
Rec Total 308 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2399  Test 950 1150.00 T-On Location 06:50  
 (B) First Initial Flow \_\_\_\_\_  Jars 250.00 T-Started 07:31  
 (C) First Final Flow \_\_\_\_\_  Safety Joint 75.00 T-Open \_\_\_\_\_  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub 1 T-Pulled \_\_\_\_\_  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 13:30  
 (F) Second Final Flow \_\_\_\_\_  Mileage 66RT 66.00 Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2364  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1341  
 Accessibility 1341 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1541.00

Approved By \_\_\_\_\_ Our Representative Mike Rohit

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. 61414

Well Name & No. Six M Unit 1-14 Test No. 4 Date 3-30-15  
 Company American Warrior Inc Elevation 2941 KB 2930  
 Address 3118 Cummings Rd Garden City KS 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke 5  
 Location: Sec. 14 Twp. 22S Rge. 34W Co. Finney State KS

Interval Tested 4702-4844 Zone Tested Morrow  
 Anchor Length 142 Drill Pipe Run 4454 Mud Wt. 9.3  
 Top Packer Depth 4697 Drill Collars Run 246 Vis 44  
 Bottom Packer Depth 4702 Wt. Pipe Run Ø WL 9.6  
 Total Depth 4844 Chlorides 3300 ppm System LCM 2  
 Blow Description FF: Built to 1/2" Blow  
IS: No Return  
FF: No Blow  
FS: Pulled Test

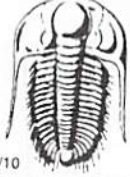
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2425</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>11:45</u>
(B) First Initial Flow <u>95</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>13:48</u>
(C) First Final Flow <u>101</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:50</u>
(D) Initial Shut-In <u>159</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>17:00</u>
(E) Second Initial Flow <u>104</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>21:10</u>
(F) Second Final Flow <u>105</u>	<input checked="" type="checkbox"/> Mileage <u>RT</u> <del>66</del>	Comments <u>—</u>
(G) Final Shut-In <u>Pulled Test</u>	<input type="checkbox"/> Sampler <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
(H) Final Hydrostatic <u>2398</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250.00</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer <u>—</u>	Sub Total <u>0</u>
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Total <u>1725</u>
Final Shut-In <u>Pull</u>	<input type="checkbox"/> Day Standby <u>—</u>	MP/DST Disc't <u>—</u>
	<input type="checkbox"/> Accessibility <u>—</u>	
	Sub Total <u>1725</u>	
	<u>\$1791.00</u>	

Approved By \_\_\_\_\_ Our Representative Mike Rohlf

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **61415**

Well Name & No. Six M Unit 1-14 Test No. 5 Date 3-31-15  
 Company American Warrior Inc Elevation 2941 KB 2930 GL  
 Address 3118 Cummings Rd Garden City KS 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke 5  
 Location: Sec. 14 Twp. 22S Rge. 34W Co. Finney State KS

Interval Tested 4610-4624 Tail 324 Zone Tested Cherokee  
 Anchor Length 14 Drill Pipe Run 4361 Mud Wt. 9.4  
 Top Packer Depth 4605 Drill Collars Run 246 Vis 48  
 Bottom Packer Depth 4610 Wt. Pipe Run ∅ WL 9.2  
 Total Depth 4624 Chlorides 3300 ppm System LCM 2  
 Blow Description IF: Built to 1/8" Blow  
IS: No Return Blow  
FF: No Blow  
FS: No Return Blow Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 112  
 (A) Initial Hydrostatic 2361  
 (B) First Initial Flow 18  
 (C) First Final Flow 25  
 (D) Initial Shut-In 1011  
 (E) Second Initial Flow 27  
 (F) Second Final Flow 30  
 (G) Final Shut-In Pulled Test  
 (H) Final Hydrostatic 2309  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 10  
 Final Shut-In 1011

Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 Test \$1150.00  
 Jars 250.00  
 Safety Joint 75.00  
 Circ Sub NC  
 Hourly Standby \_\_\_\_\_  
 Mileage 60 RT @ 6.00  
 Sampler \_\_\_\_\_  
 Straddle 600.00  
 Shale Packer 250.00  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total \$2391.00

T-On Location 15:45  
 T-Started 16:37  
 T-Open 19:10  
 T-Pulled 20:20  
 T-Out 22:38  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 2391  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Mike Roberts  
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