



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

DeRemus #4-33

33 23s 32w Finney,KS

Start Date: 2013.12.11 @ 19:50:00

End Date: 2013.12.11 @ 22:51:15

Job Ticket #: 55615 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.13 @ 15:11:42



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

33 23s 32w Finney, KS

DeRemus #4-33

Job Ticket: 55615 **DST#: 1**

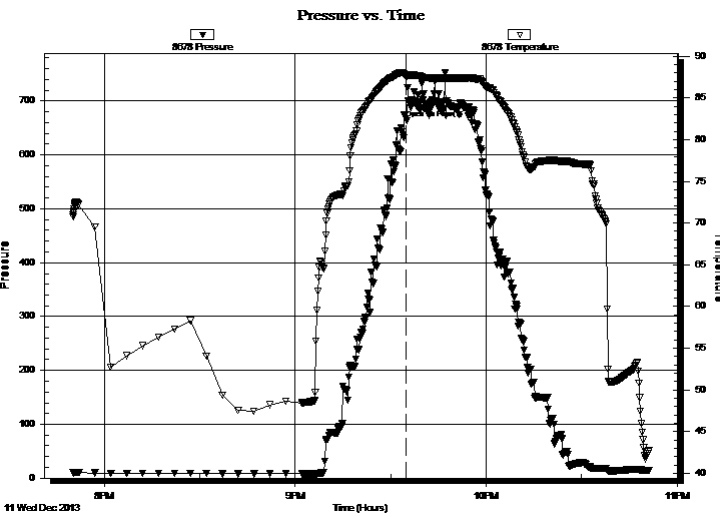
Test Start: 2013.12.11 @ 19:50:00

GENERAL INFORMATION:

Formation: **St Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:34:45
 Time Test Ended: 22:51:15
 Interval: **4785.00 ft (KB) To 4803.00 ft (KB) (TVD)**
 Total Depth: 4803.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2850.00 ft (KB)
 2839.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8678 Inside
 Press@RunDepth: psig @ 4786.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.11 End Date: 2013.12.11 Last Calib.: 2013.12.12
 Start Time: 19:50:05 End Time: 22:51:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: Tool hit bridge on the way to bottom.
 Pulled test to recondition the hole.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	667.62	87.63	Open To Flow (1)

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Did not go to bottom	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

33 23s 32w Finney, KS
DeRemus #4-33
Job Ticket: 55615 **DST#: 1**
Test Start: 2013.12.11 @ 19:50:00

Tool Information

Drill Pipe:	Length: 4518.00 ft	Diameter: 3.80 inches	Volume: 63.38 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:	0.00 lb
Drill Collar:	Length: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose:	0.00 lb
			<u>Total Volume: 64.61 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	0.00 lb
Depth to Top Packer:	4785.00 ft			Final	0.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4759.00	
Shut In Tool	5.00			4764.00	
Hydraulic tool	5.00			4769.00	
Jars	5.00			4774.00	
Safety Joint	2.00			4776.00	
Packer	5.00			4781.00	27.00 Bottom Of Top Packer
Packer	4.00			4785.00	
Stubb	1.00			4786.00	
Recorder	0.00	8678	Inside	4786.00	
Recorder	0.00	8522	Outside	4786.00	
Perforations	14.00			4800.00	
Bullnose	3.00			4803.00	18.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

33 23s 32w Finney,KS
DeRemus #4-33
Job Ticket: 55615 **DST#: 1**
Test Start: 2013.12.11 @ 19:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Did not go to bottom	0.000

Total Length: ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

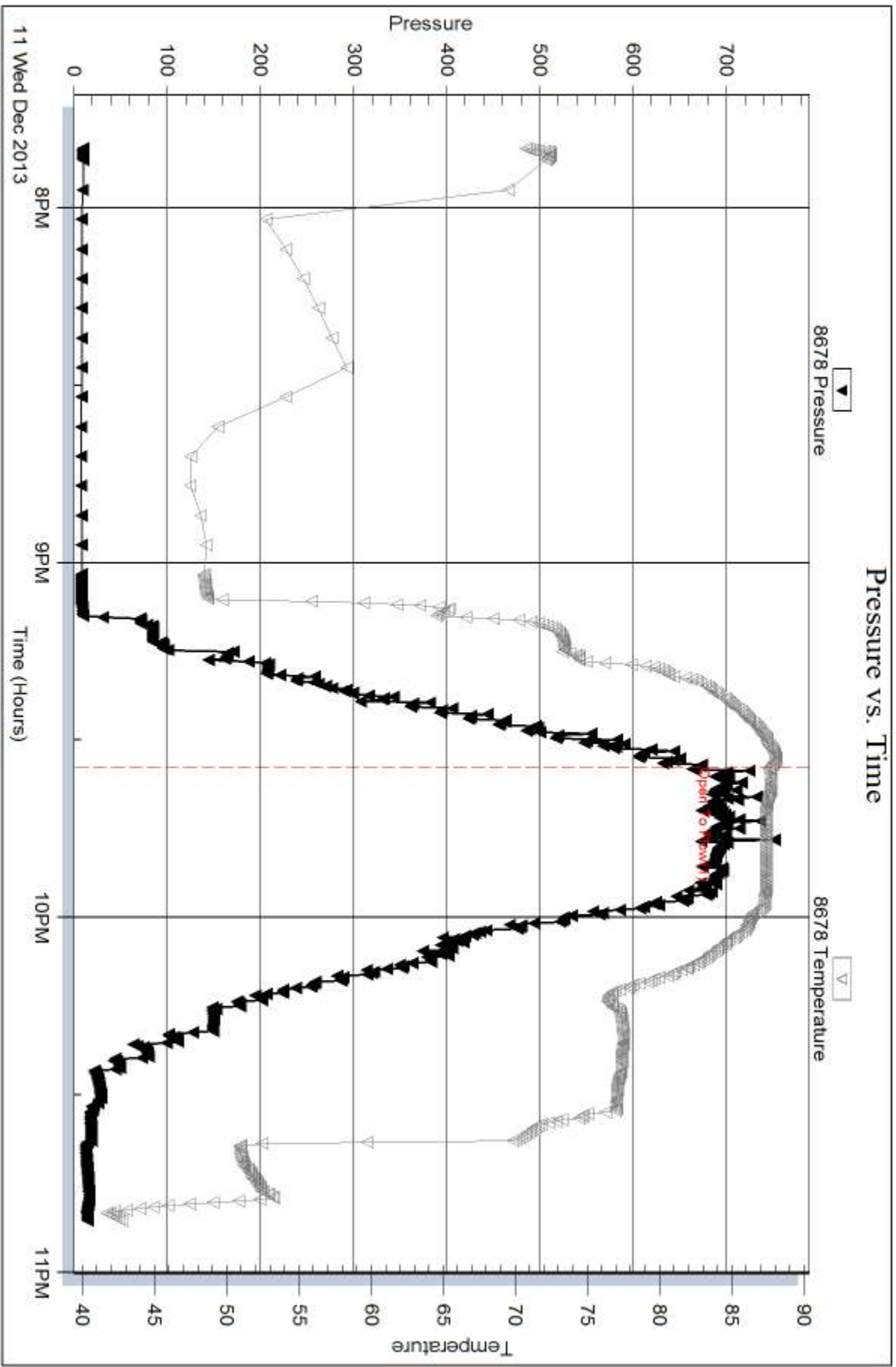
Serial #: 8678

Inside

American Warrior, Inc

Deremus #4-33

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55615

Printed: 2013.12.13 @ 15:11:45



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

DeRemus #4-33

33 23s 32w Finney,KS

Start Date: 2013.12.12 @ 05:09:00

End Date: 2013.12.12 @ 14:18:30

Job Ticket #: 55616 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.13 @ 15:10:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

33 23s 32w Finney, KS

DeRemus #4-33

Job Ticket: 55616 **DST#: 2**
 Test Start: 2013.12.12 @ 05:09:00

GENERAL INFORMATION:

Formation: **St. Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:43:00
 Time Test Ended: 14:18:30
 Interval: **4785.00 ft (KB) To 4803.00 ft (KB) (TVD)**
 Total Depth: 4803.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2850.00 ft (KB)
 2839.00 ft (CF)
 KB to GR/CF: 11.00 ft

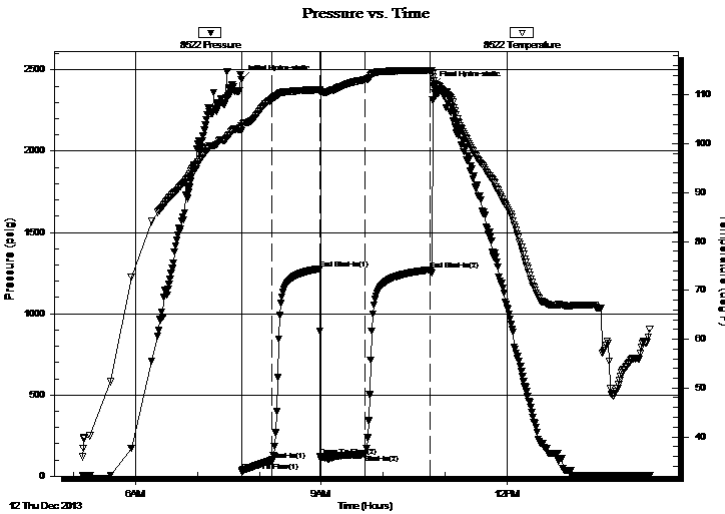
Serial #: 8522

Outside

Press@RunDepth: 133.20 psig @ 4786.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.12 End Date: 2013.12.12 Last Calib.: 2013.12.12
 Start Time: 05:09:05 End Time: 14:18:30 Time On Btm: 2013.12.12 @ 07:42:45
 Time Off Btm: 2013.12.12 @ 10:48:15

TEST COMMENT: IF: BOB @ 9 min.
 IS: 1" return.
 FF: BOB @ 9 min.
 FS: 1" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2442.75	103.74	Initial Hydro-static
1	28.74	102.71	Open To Flow (1)
29	97.07	109.00	Shut-In(1)
76	1277.29	111.07	End Shut-In(1)
77	121.44	110.68	Open To Flow (2)
120	133.20	113.11	Shut-In(2)
183	1269.77	115.01	End Shut-In(2)
186	2402.03	113.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	gmco 50g 10m 40o	1.18
75.00	gmco 15g 40m 45o	0.96
0.00	630 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

33 23s 32w Finney,KS

DeRemus #4-33

Job Ticket: 55616

DST#: 2

Test Start: 2013.12.12 @ 05:09:00

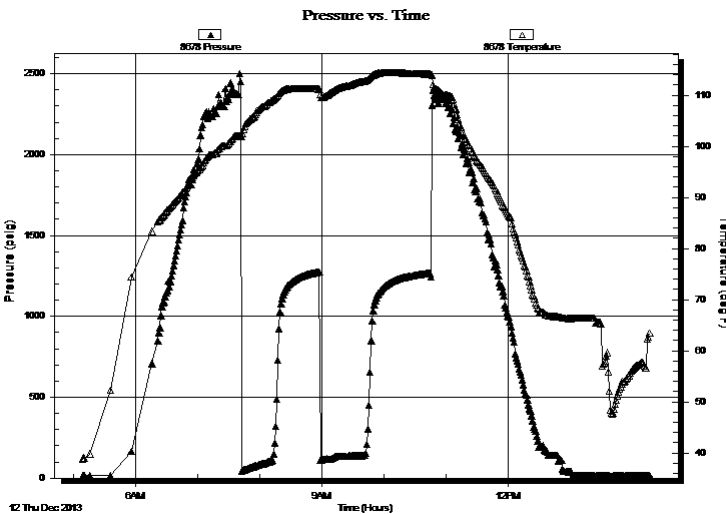
GENERAL INFORMATION:

Formation: **St. Louis**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 07:43:00 Tester: Bradley Walter
 Time Test Ended: 14:18:30 Unit No: 69
Interval: 4785.00 ft (KB) To 4803.00 ft (KB) (TVD) Reference Elevations: 2850.00 ft (KB)
 Total Depth: 4803.00 ft (KB) (TVD) 2839.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8678 Inside
 Press@RunDepth: psig @ 4786.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.12 End Date: 2013.12.12 Last Calib.: 2013.12.12
 Start Time: 05:09:05 End Time: 14:17:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 9 min.
 IS: 1" return.
 FF: BOB @ 9 min.
 FS: 1" return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
240.00	gmco 50g 10m 40o	1.18
75.00	gmco 15g 40m 45o	0.96
0.00	630 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

33 23s 32w Finney,KS
DeRemus #4-33
Job Ticket: 55616 **DST#: 2**
Test Start: 2013.12.12 @ 05:09:00

Tool Information

Drill Pipe:	Length: 4518.00 ft	Diameter: 3.80 inches	Volume: 63.38 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose:	83000.00 lb
			<u>Total Volume: 64.61 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4785.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4759.00	
Shut In Tool	5.00			4764.00	
Hydraulic tool	5.00			4769.00	
Jars	5.00			4774.00	
Safety Joint	2.00			4776.00	
Packer	5.00			4781.00	27.00 Bottom Of Top Packer
Packer	4.00			4785.00	
Stubb	1.00			4786.00	
Recorder	0.00	8678	Inside	4786.00	
Recorder	0.00	8522	Outside	4786.00	
Perforations	14.00			4800.00	
Bullnose	3.00			4803.00	18.00 Bottom Packers & Anchor

Total Tool Length: 45.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

33 23s 32w Finney,KS
DeRemus #4-33
Job Ticket: 55616 **DST#: 2**
Test Start: 2013.12.12 @ 05:09:00

Mud and Cushion Information

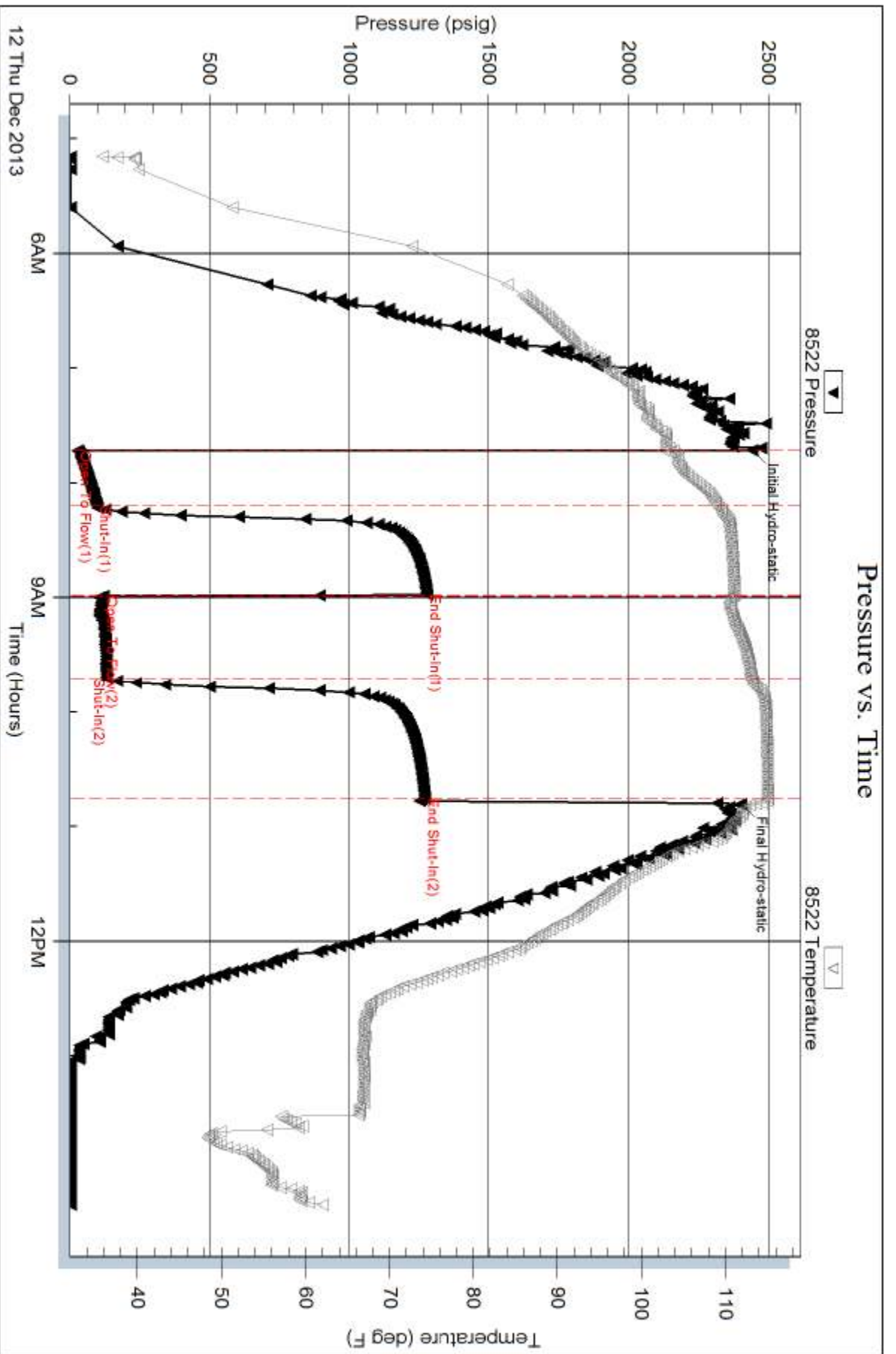
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	gmco 50g 10m 40o	1.180
75.00	gmco 15g 40m 45o	0.961
0.00	630 GIP	0.000

Total Length: 315.00 ft Total Volume: 2.141 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



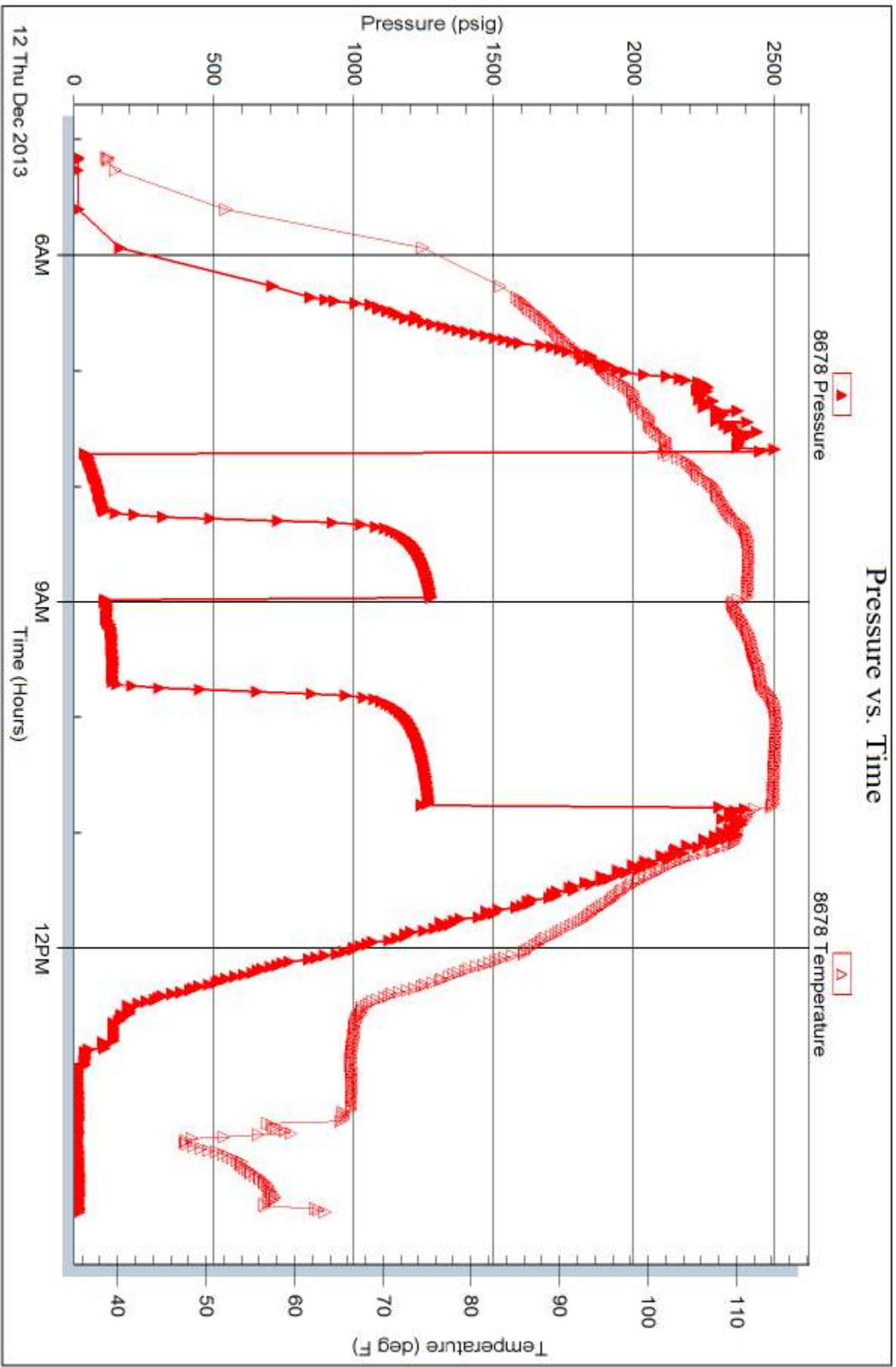
Serial #: 8678

Inside

American Warrior, Inc

DeRemus #4-33

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55615**

Well Name & No. DeRemus 4-33 Test No. 1 Date 12/11/12
 Company American Warrior, Inc Elevation 2850 KB 2839 GL
 Address PO Box 399 Garden City, ks 67846
 Co. Rep/Geo. Kevin Timson Rig Duke #5
 Location: Sec. 33 Twp. 23 S Rge. 32 W Co. Finney State Ks

Interval Tested 4785 - 4803 Zone Tested St. Louis
 Anchor Length 18 Drill Pipe Run 4518 Mud Wt. 9.5
 Top Packer Depth 4780 Drill Collars Run 250 Vis 57
 Bottom Packer Depth 4785 Wt. Pipe Run 0 WL 7.6
 Total Depth 4803 Chlorides 2500 ppm System LCM 1.5#

Blow Description Tool hit bridge
Came out to recondition hole

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>N/A</u>				
Rec	Feet of				
Rec	Feet of				
Rec	Feet of				

Rec Total 0 BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic Test 1050 T-On Location 0505 1800
 (B) First Initial Flow Jars 250 T-Started 0509 1950
 (C) First Final Flow N/A Safety Joint 75 T-Open 0738 2150
 (D) Initial Shut-In Circ Sub N/C T-Pulled 1038 2155
 (E) Second Initial Flow Hourly Standby T-Out 2351
 (F) Second Final Flow Mileage 77 RT 119.35 Comments
 (G) Final Shut-In Sampler
 (H) Final Hydrostatic Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1494.35
 Accessibility MP/DST Disc't
 Sub Total 1494.35

Approved By Our Representative *[Signature]*

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. **55616**

Well Name & No. DeRemos 4-33 Test No. 2 Date 12/12/13
 Company American Warrior, Inc Elevation 2950 KB 2839 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #5
 Location: Sec. 33 Twp. 23S Rge. 32W Co. Finney State KS

Interval Tested 4785 4803 Zone Tested St. Louis
 Anchor Length 18 Drill Pipe Run 4518 Mud Wt. 9.5
 Top Packer Depth 4780 Drill Collars Run 250 Vis 5.5
 Bottom Packer Depth 4785 Wt. Pipe Run 0 WL 7.6
 Total Depth 4803 Chlorides 2500 ppm System LCM 1.5#

Blow Description IF: BOB @ 9min
ISI: 1" return.
FF: BOB @ 9min.
FSI: 1" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>GMCO</u>	<u>15</u>	<u>45</u>	<u>40</u>	
<u>240</u>	<u>GMCO</u>	<u>50</u>	<u>40</u>	<u>10</u>	
	<u>630' GIP</u>				

Rec Total 315 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2443 Test 1250 T-On Location 0500
 (B) First Initial Flow 29 Jars 250 T-Started 0509
 (C) First Final Flow 97 Safety Joint 75 T-Open 0738
 (D) Initial Shut-In 1277 Circ Sub 4/c T-Pulled 1038
 (E) Second Initial Flow 121 Hourly Standby _____ T-Out 1418
 (F) Second Final Flow 133 Mileage 77 RT 119.35 Comments _____
 (G) Final Shut-In 1270 Sampler _____
 (H) Final Hydrostatic 2402 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1694.35
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1694.35

Approved By _____ Our Representative [Signature]

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.