



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Kurt Talbott

Hofmeister #3-15

15 16s 12w Barton,KS

Start Date: 2013.09.11 @ 09:00:00

End Date: 2013.09.11 @ 14:21:00

Job Ticket #: 50469 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.12 @ 14:54:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Kurt Talbott

15 16s 12w Barton, KS
Hofmeister #3-15
 Job Ticket: 50469 **DST#: 1**
 Test Start: 2013.09.11 @ 09:00:00

GENERAL INFORMATION:

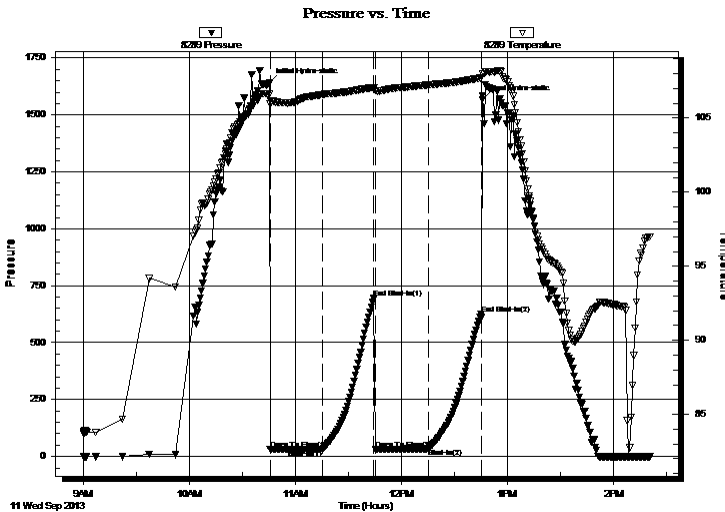
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:45:30
 Time Test Ended: 14:21:00
 Interval: **3310.00 ft (KB) To 3358.00 ft (KB) (TVD)**
 Total Depth: 3358.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 54
 Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 34.13 psig @ 3322.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.11 End Date: 2013.09.11 Last Calib.: 2013.09.11
 Start Time: 09:00:02 End Time: 14:20:45 Time On Btm: 2013.09.11 @ 10:45:15
 Time Off Btm: 2013.09.11 @ 12:45:30

TEST COMMENT: 30-IFP- Surface Blow Building to 1 1/2"
 30-ISIP- No Blow
 30-FFP- Weak Surface Blow
 30-FSIP- No Blow

PRESSURE SUMMARY



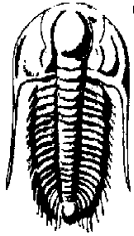
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.23	106.61	Initial Hydro-static
1	31.23	105.94	Open To Flow (1)
30	31.14	106.59	Shut-In(1)
59	695.54	107.06	End Shut-In(1)
60	30.00	106.87	Open To Flow (2)
90	34.13	107.24	Shut-In(2)
120	624.71	107.71	End Shut-In(2)
121	1566.08	107.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	OCM 10%o 90%m	0.49

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: Kurt Talbott

15 16s 12w Barton,KS
Hofmeister #3-15
Job Ticket: 50469 **DST#: 1**
Test Start: 2013.09.11 @ 09:00:00

Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 3.80 inches	Volume: 46.53 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 46.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3310.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	69.00 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			3290.00	
Shut In Tool	5.00			3295.00	
Hydraulic tool	5.00			3300.00	
Packer	5.00			3305.00	21.00 Bottom Of Top Packer
Packer	5.00			3310.00	
Stubb	1.00			3311.00	
Perforations	11.00			3322.00	
Recorder	0.00	8789	Inside	3322.00	
Recorder	0.00	8289	Outside	3322.00	
Change Over Sub	1.00			3323.00	
Blank Spacing	31.00			3354.00	
Change Over Sub	1.00			3355.00	
Bullnose	3.00			3358.00	48.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Kurt Talbott

15 16s 12w Barton,KS
Hofmeister #3-15
Job Ticket: 50469 **DST#: 1**
Test Start: 2013.09.11 @ 09:00:00

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:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4300.00 ppm			
Filter Cake: inches			

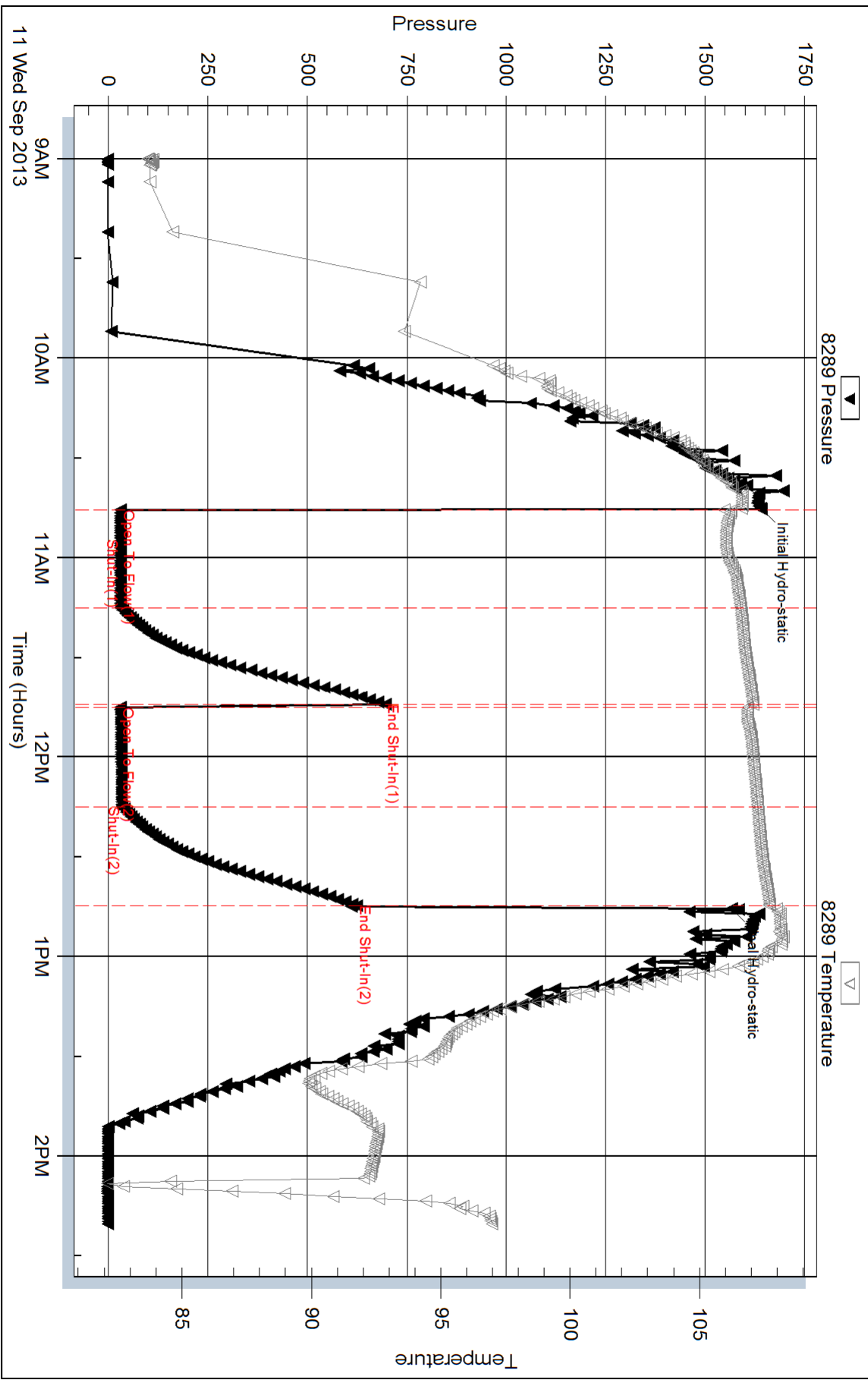
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	OCM 10%o 90%m	0.491

Total Length: 35.00 ft Total Volume: 0.491 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



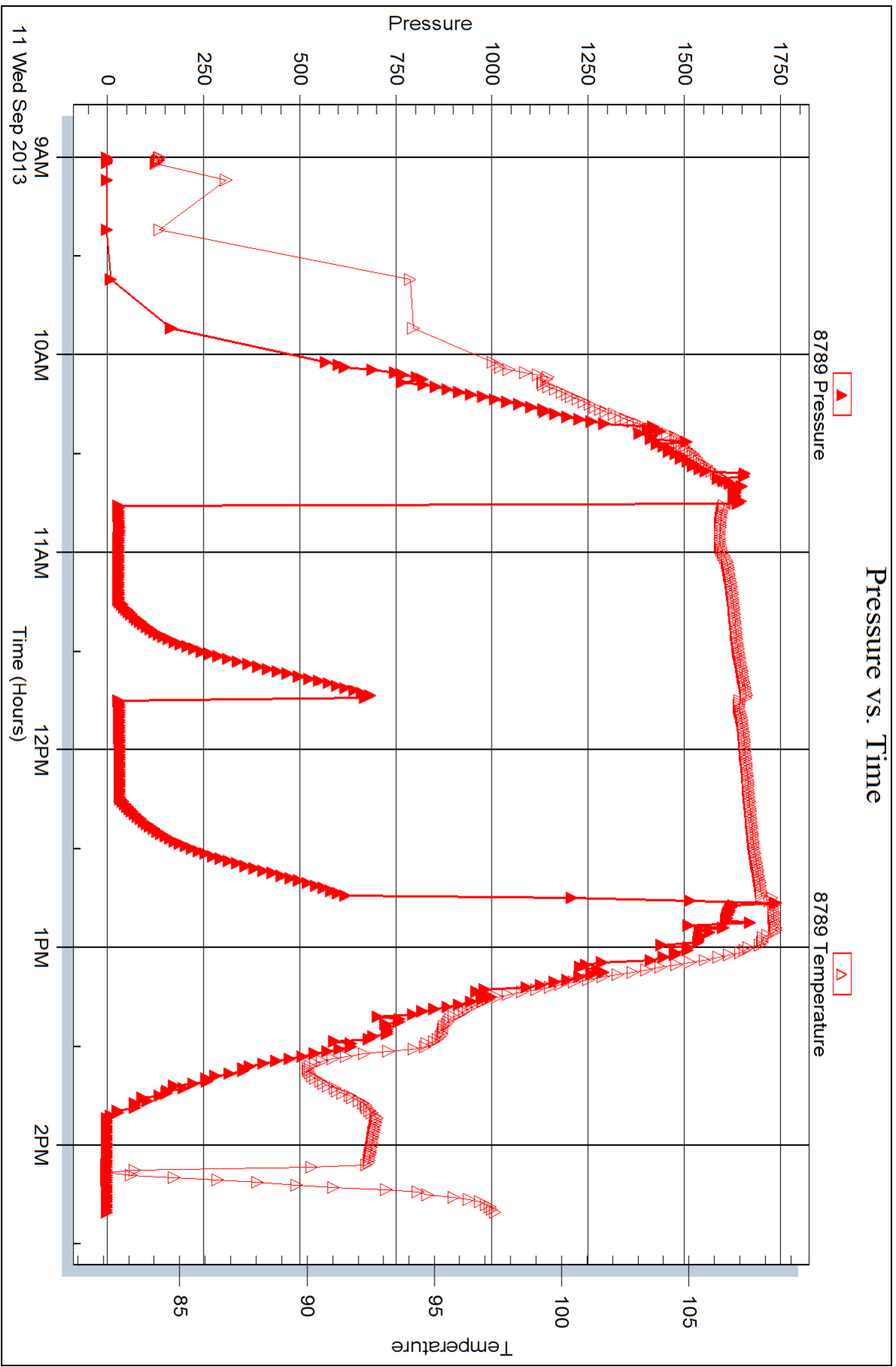
Serial #: 8789

Inside

American Warrior Inc

Hofmeister #3-15

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Kurt Talbott

Hofmeister #3-15

15 16s 12w Barton,KS

Start Date: 2013.09.11 @ 20:52:00

End Date: 2013.09.12 @ 03:15:00

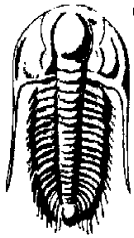
Job Ticket #: 50470 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.12 @ 14:53:35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Kurt Talbott

15 16s 12w Barton, KS
Hofmeister #3-15
Job Ticket: 50470 **DST#: 2**
Test Start: 2013.09.11 @ 20:52:00

GENERAL INFORMATION:

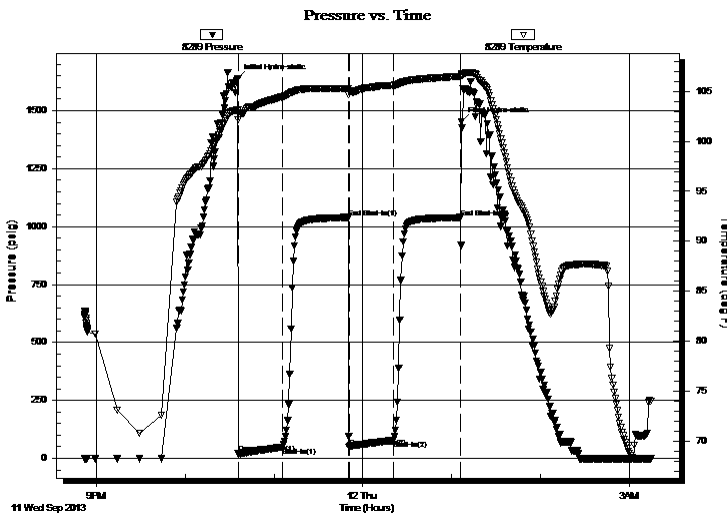
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:35:45
Time Test Ended: 03:15:00
Interval: **3298.00 ft (KB) To 3363.00 ft (KB) (TVD)**
Total Depth: 3363.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 54
Reference Elevations: 1915.00 ft (KB)
1907.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 77.90 psig @ 3327.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.11 End Date: 2013.09.12 Last Calib.: 2013.09.12
Start Time: 20:52:02 End Time: 03:15:00 Time On Btm: 2013.09.11 @ 22:35:30
Time Off Btm: 2013.09.12 @ 01:06:30

TEST COMMENT: 30-IFP- BOB in 14 min.
45-ISIP- No Blow
30-FFP- BOB in 12 min.
45-FSIP- Surface Blow in 3 min. Died in 22 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.38	103.16	Initial Hydro-static
1	20.12	102.15	Open To Flow (1)
30	48.72	104.45	Shut-In(1)
75	1039.31	105.27	End Shut-In(1)
76	47.33	105.01	Open To Flow (2)
106	77.90	105.62	Shut-In(2)
151	1039.05	106.51	End Shut-In(2)
151	1453.43	106.75	Final Hydro-static

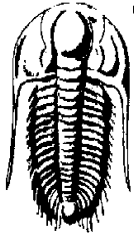
Recovery

Length (ft)	Description	Volume (bbl)
140.00	OCM 30%o 70%m	1.96
0.00	355 GIP	0.00

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
PO Box 399
Garden City KS 67846
ATTN: Kurt Talbott

15 16s 12w Barton,KS
Hofmeister #3-15
Job Ticket: 50470 **DST#: 2**
Test Start: 2013.09.11 @ 20:52:00

Tool Information

Drill Pipe:	Length: 3284.00 ft	Diameter: 3.80 inches	Volume: 46.07 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3298.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	86.00 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			3278.00	
Shut In Tool	5.00			3283.00	
Hydraulic tool	5.00			3288.00	
Packer	5.00			3293.00	21.00 Bottom Of Top Packer
Packer	5.00			3298.00	
Stubb	1.00			3299.00	
Perforations	28.00			3327.00	
Recorder	0.00	8789	Inside	3327.00	
Recorder	0.00	8289	Outside	3327.00	
Change Over Sub	1.00			3328.00	
Blank Spacing	31.00			3359.00	
Change Over Sub	1.00			3360.00	
Bullnose	3.00			3363.00	65.00 Bottom Packers & Anchor

Total Tool Length: 86.00



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FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Kurt Talbott

15 16s 12w Barton,KS
Hofmeister #3-15
Job Ticket: 50470 **DST#: 2**
Test Start: 2013.09.11 @ 20:52:00

Mud and Cushion Information

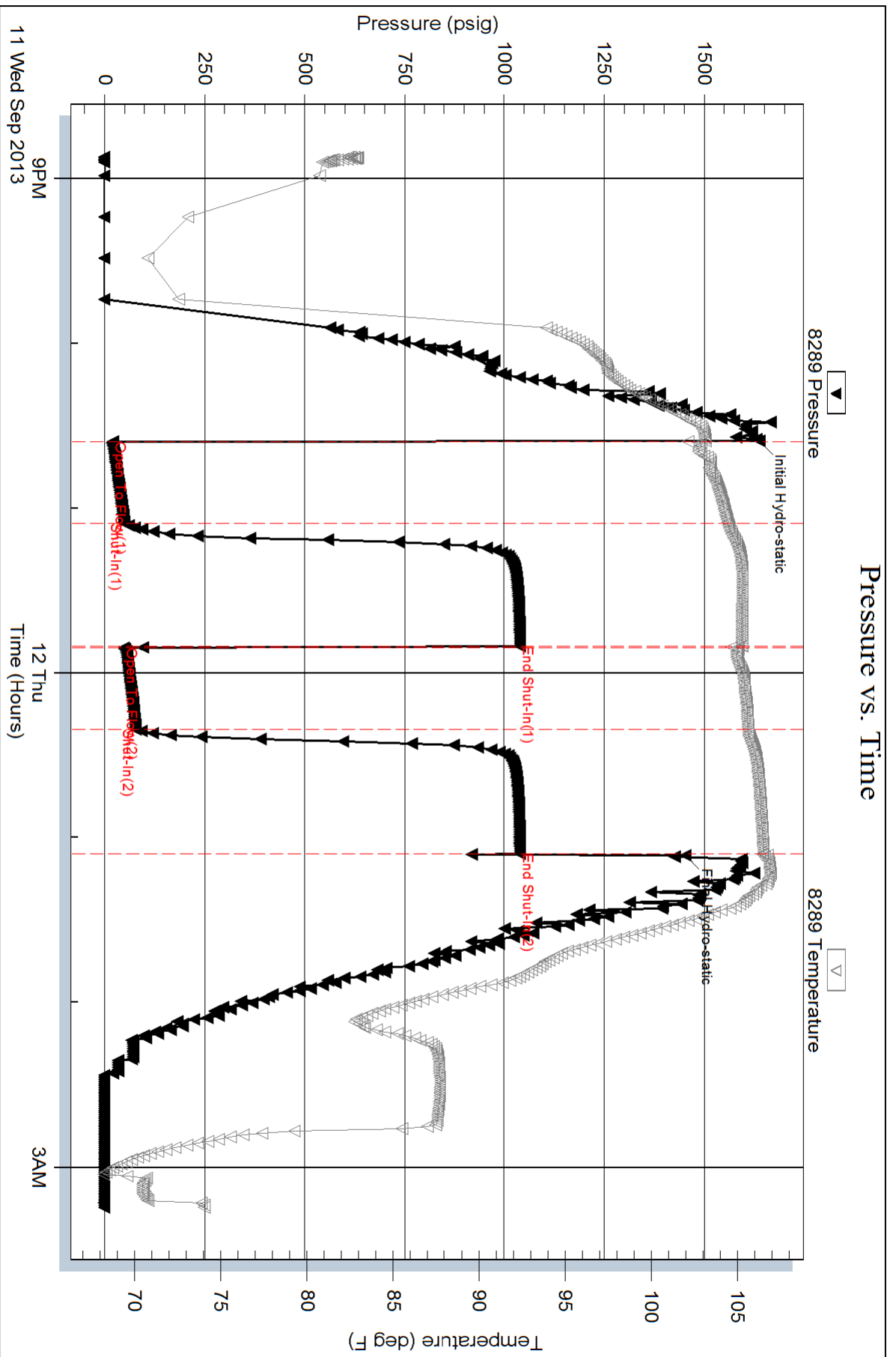
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	OCM 30%o 70%m	1.964
0.00	355 GIP	0.000

Total Length: 140.00 ft Total Volume: 1.964 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



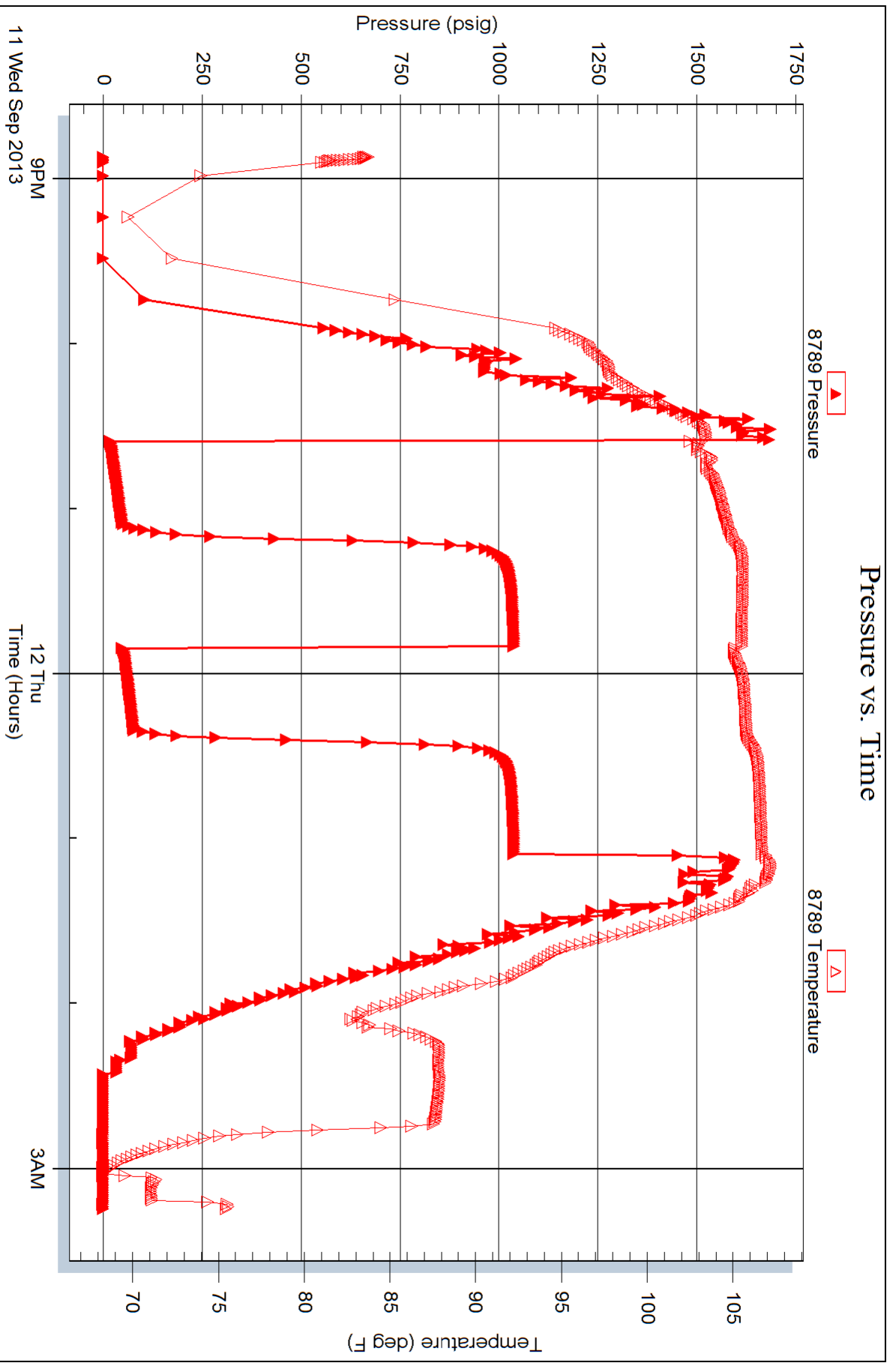
Serial #: 8789

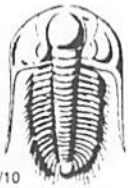
Inside

American Warrior Inc

Hofmeister #3-15

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50469

Well Name & No. Hofmeister #3-15 Test No. 1 Date 9-11-13
 Company American Warrior Inc. Elevation 1915 KB 1907 GL
 Address P.O. Box 399 Garden City KS, 67846
 Co. Rep / Geo. Kurt Talbott Rig Duke 8
 Location: Sec. 15 Twp. 16^s Rge. 12^w Co. Barton State K5

Interval Tested 3310-3358 Zone Tested Arbuckle
 Anchor Length 48 Drill Pipe Run 3317 Mud Wt. 9.2
 Top Packer Depth 3305 Drill Collars Run ⊘ Vis 49
 Bottom Packer Depth 3310 Wt. Pipe Run ⊘ WL 8.0
 Total Depth 3358 Chlorides 4300 ppm System LCM TR

Blow Description IFP - Surface Blow Building to 1 1/2 in.
ISIP - No Blow
FFP - Weak Surface Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>OCM</u>	<u>10</u>		<u>90</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 35 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1641 Test 1150 T-On Location 05:57
 (B) First Initial Flow 31 Jars _____ T-Started 09:00
 (C) First Final Flow 31 Safety Joint _____ T-Open 10:45
 (D) Initial Shut-In 695 Circ Sub _____ T-Pulled 12:45
 (E) Second Initial Flow 30 Hourly Standby _____ T-Out 14:21
 (F) Second Final Flow 34 Mileage 102 RT 158.10 Comments _____
 (G) Final Shut-In 624 Sampler _____
 (H) Final Hydrostatic 1566 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1308.10
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1308.10

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. 50470

Well Name & No. Hofmeister #3-15 Test No. 2 Date 9-11-13
 Company American Warrior Inc Elevation 1915 KB 1907 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Kurt Talbot Rig Duke 8
 Location: Sec. 15 Twp. 16S Rge. 12W Co. Barton State KS

Interval Tested 3298-3363 Zone Tested Arbuckle
 Anchor Length 65 Drill Pipe Run 3284 Mud Wt. 9.2
 Top Packer Depth 3293 Drill Collars Run 0 Vis 47
 Bottom Packer Depth 3298 Wt. Pipe Run 0 WL 7.2
 Total Depth 3363 Chlorides 4800 ppm System LCM TR

Blow Description IFP - BOB in 14 min
ISIP - No Blow

FFP - BOB in 12 min
FSIP - Surface Blow in 3 min. Died in 22 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>OCM "Jassy"</u>	<u>30</u>		<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>355</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 140 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1637 Test 1150 T-On Location 20:22
 (B) First Initial Flow 20 Jars _____ T-Started 20:52
 (C) First Final Flow 48 Safety Joint _____ T-Open 22:36
 (D) Initial Shut-In 1039 Circ Sub _____ T-Pulled 01:06
 (E) Second Initial Flow 47 Hourly Standby _____ T-Out 03:15
 (F) Second Final Flow 77 Mileage 316.20 Comments _____
 (G) Final Shut-In 1039 Sampler _____ loaded tools 9/12 11:30
 (H) Final Hydrostatic 1453 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1466.20
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 1466.20

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.