



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Seltman #11

24-18s-21w Ness,KS

Start Date: 2013.09.03 @ 05:25:20

End Date: 2013.09.03 @ 10:53:44

Job Ticket #: 54807 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
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24-18s-21w Ness, KS
Seltman #11
 Job Ticket: 54807 **DST#: 1**
 Test Start: 2013.09.03 @ 05:25:20

GENERAL INFORMATION:

Formation: **Cher "A" Sd**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 07:48:00 Tester: Ray Schwager
 Time Test Ended: 10:53:44 Unit No: 70
 Interval: **4052.00 ft (KB) To 4080.00 ft (KB) (TVD)** Reference Elevations: 2100.00 ft (KB)
 Total Depth: 4080.00 ft (KB) (TVD) 2092.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

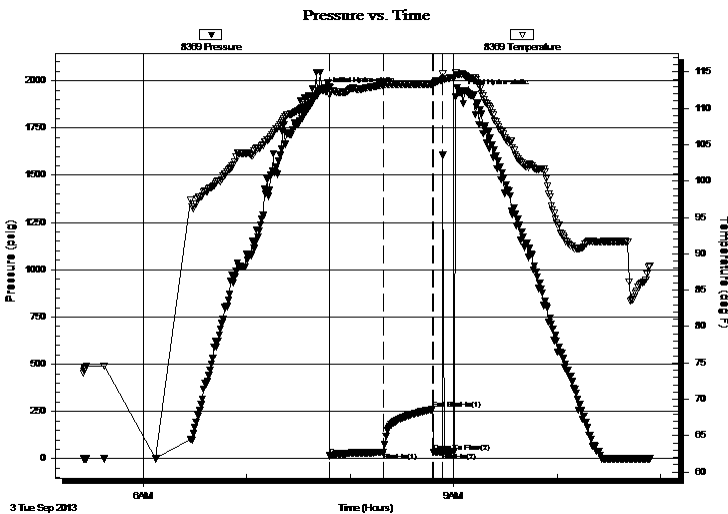
Serial #: 8369

Inside

Press @ Run Depth: 33.18 psig @ 4053.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.03 End Date: 2013.09.03 Last Calib.: 2013.09.03
 Start Time: 05:25:20 End Time: 10:53:44 Time On Btm: 2013.09.03 @ 07:46:15
 Time Off Btm: 2013.09.03 @ 09:04:45

TEST COMMENT: 30-IFP-w k bl thru-out surface to 1/4" bl
 30-ISIP-no bl bk
 10-no bl , flushed tool, got a surface bl after flush
 pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1943.93	112.77	Initial Hydro-static
2	15.96	111.83	Open To Flow (1)
33	33.18	113.20	Shut-In(1)
62	261.56	113.34	End Shut-In(1)
62	34.64	113.32	Open To Flow (2)
68	35.72	113.86	Shut-In(2)
79	1933.00	114.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud w / slight show of oil	0.36

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 4024.00 ft	Diameter: 3.80 inches	Volume: 56.45 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4052.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 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			4025.00	
Shut In Tool	5.00			4030.00	
Hydraulic tool	5.00			4035.00	
Jars	5.00			4040.00	
Safety Joint	2.00			4042.00	
Packer	5.00			4047.00	28.00 Bottom Of Top Packer
Packer	5.00			4052.00	
Stubb	1.00			4053.00	
Recorder	0.00	8369	Inside	4053.00	
Recorder	0.00	8700	Outside	4053.00	
Perforations	24.00			4077.00	
Bullnose	3.00			4080.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00



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FLUID SUMMARY

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24-18s-21w Ness, KS
Seltman #11
Job Ticket: 54807 **DST#: 1**
Test Start: 2013.09.03 @ 05:25:20

Mud and Cushion Information

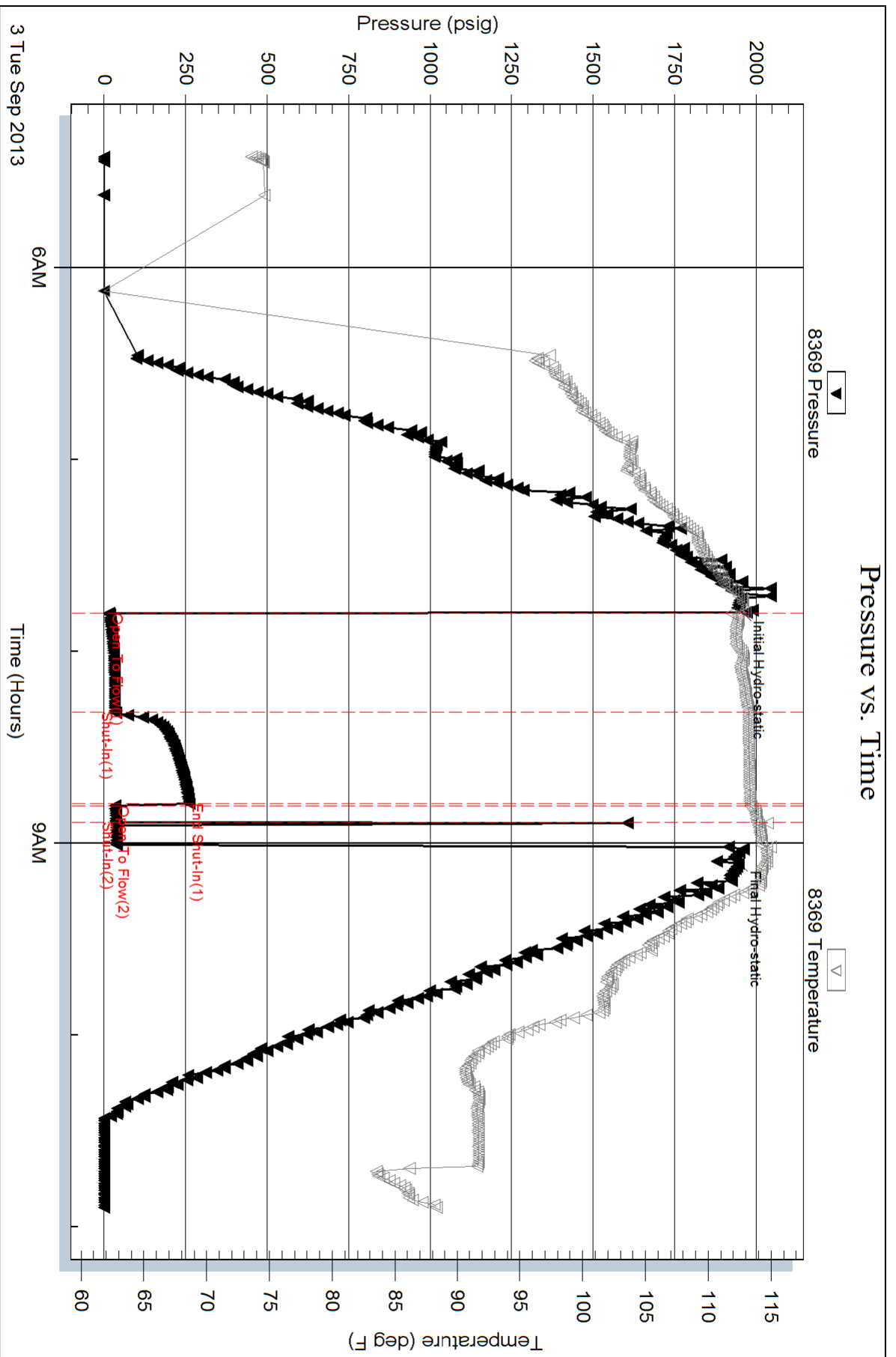
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud w / slight show of oil	0.358

Total Length: 45.00 ft Total Volume: 0.358 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

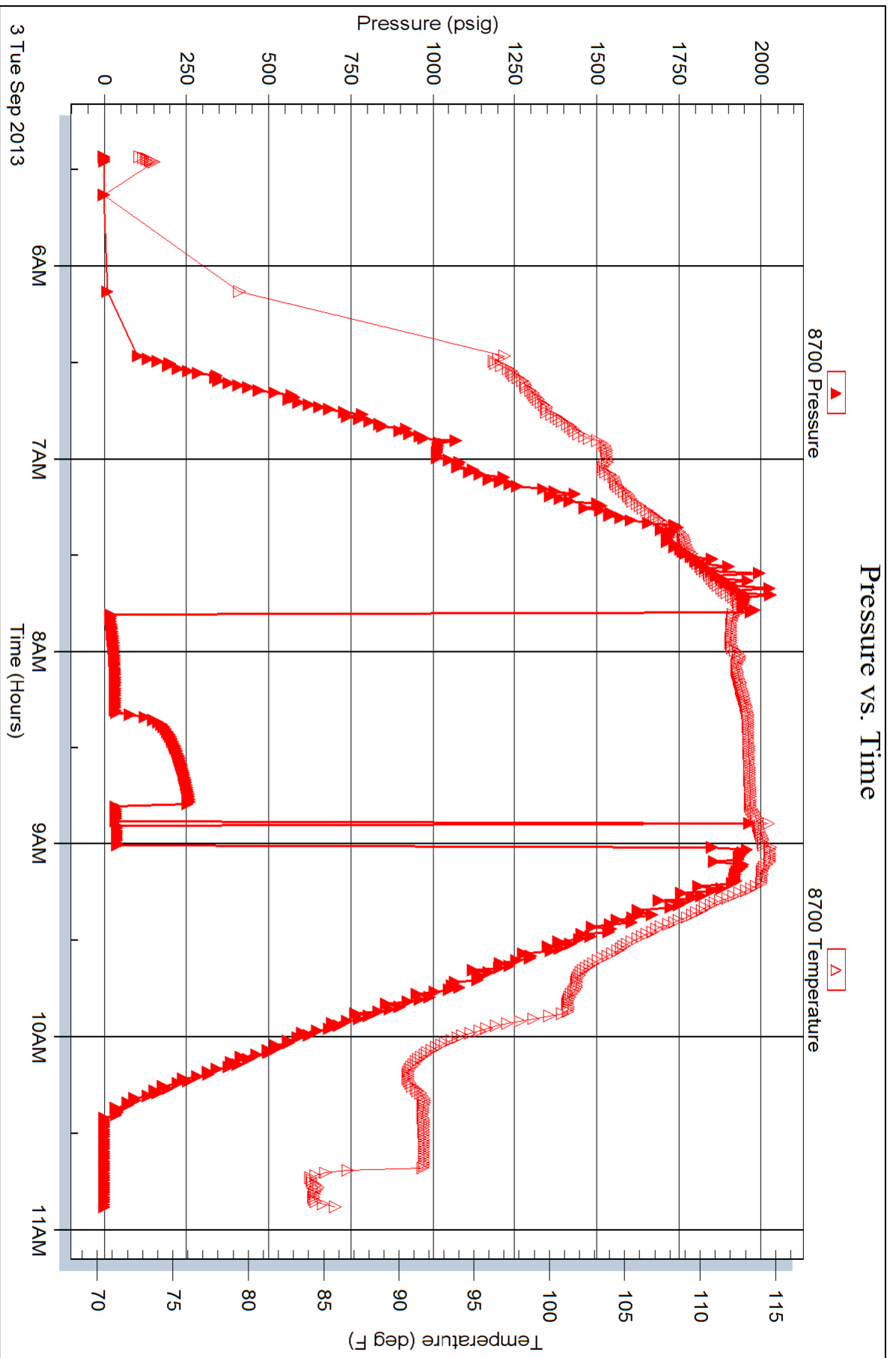


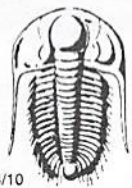
Serial #: 8700

Outside American Warrior Inc

Seltnan #11

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54807

Well Name & No. SelTman #11 Test No. 1 Date 9-3-18
 Company AMERICAN WARRIOR Inc Elevation 2100 KB 2092 GL
 Address PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. JASON ALM Rig DISCOVERY 1193
 Location: Sec. 24 Twp. 18^s Rge. 21^w Co. Ness State Ks

Interval Tested 4052-4080 Zone Tested Cher "A" sd.
 Anchor Length 28 Drill Pipe Run 4024 Mud Wt. 9.1
 Top Packer Depth 4047 Drill Collars Run 30 Vis 56
 Bottom Packer Depth 4052 Wt. Pipe Run - WL 7.4
 Total Depth 4080 Chlorides 3600 ppm System LCM 2#
 Blow Description I FP - WEAK BLOW THRU-OUT SURFACE TO 1/4" BLOW
ISIP - NO BLOW
FFP - NO BLOW, FLUSHED TOOL, GOT A SURFACE BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Mud</u>				
	<u>w/ slight show of oil</u>				

Rec Total 45 BHT _____ Gravity - API RW - @ -° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1943</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>0355</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>0525</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>0750</u>
(D) Initial Shut-In <u>261</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0900</u>
(E) Second Initial Flow <u>34</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1053</u>
(F) Second Final Flow <u>35</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> 155	Comments _____
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1933</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>10</u>	<input type="checkbox"/> Day Standby _____	Total <u>1730</u>
Final Shut-In <u>OUT</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1730</u>	

Approved By _____ Our Representative RAY SCHWAGEN THANK YOU
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