



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jason T Alm

SNS #2-7

7-20s-20w Pawnee,KS

Start Date: 2014.11.16 @ 19:49:25

End Date: 2014.11.17 @ 04:48:55

Job Ticket #: 58409 DST #: 1

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

Printed: 2014.11.17 @ 15:33:47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Jason T Alm

7-20s-20w Pawnee, KS

SNS #2-7

Job Ticket: 58409

DST#: 1

Test Start: 2014.11.16 @ 19:49:25

GENERAL INFORMATION:

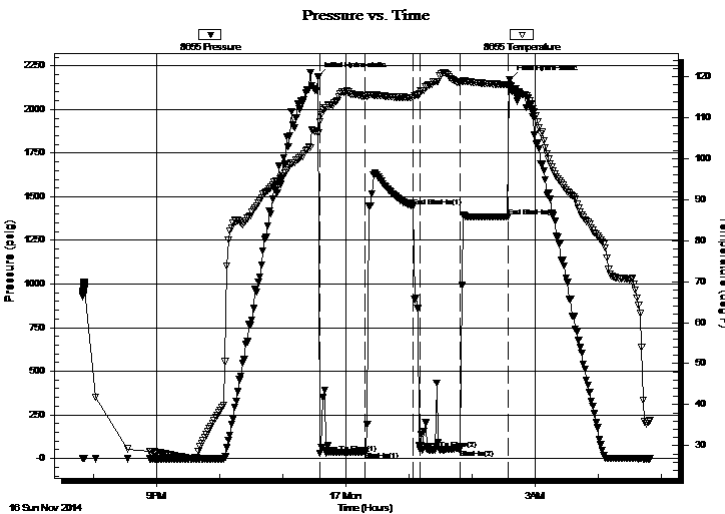
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:34:55
 Time Test Ended: 04:48:55
 Interval: **4371.00 ft (KB) To 4378.00 ft (KB) (TVD)**
 Total Depth: 4378.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 2238.00 ft (KB)
 2230.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 55.32 psig @ 4372.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.16 End Date: 2014.11.17 Last Calib.: 2014.11.17
 Start Time: 19:49:26 End Time: 04:48:55 Time On Btm: 2014.11.16 @ 23:33:25
 Time Off Btm: 2014.11.17 @ 02:35:25

TEST COMMENT: 45- IF- Slow ly built to 3 1/4"
 45- IS- No blow
 45- FF- Slow ly built to 3 1/4"
 45- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.47	106.24	Initial Hydro-static
2	30.32	109.02	Open To Flow (1)
45	40.13	115.27	Shut-In(1)
91	1444.15	114.91	End Shut-In(1)
97	51.63	115.81	Open To Flow (2)
135	55.32	118.53	Shut-In(2)
181	1386.09	117.97	End Shut-In(2)
182	2171.47	117.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	SWMCO, 5%W 40%M 55%O	0.82
15.00	CO	0.20

Gas Rates

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



**TRILOBITE
TESTING, INC**

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TOOL DIAGRAM

American Warrior, Inc.

7-20s-20w Pawnee, KS

PO Box 399
Garden City, KS 67846

SNS #2-7

Job Ticket: 58409

DST#: 1

ATTN: Jason T Alm

Test Start: 2014.11.16 @ 19:49:25

Tool Information

Drill Pipe:	Length: 4343.00 ft	Diameter: 3.75 inches	Volume: 59.33 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4371.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	34.00 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			4345.00	
Shut In Tool	5.00			4350.00	
Hydraulic tool	5.00			4355.00	
Jars	5.00			4360.00	
Safety Joint	2.00			4362.00	
Packer	5.00			4367.00	27.00 Bottom Of Top Packer
Packer	4.00			4371.00	
Stubb	1.00			4372.00	
Recorder	0.00	8651	Inside	4372.00	
Recorder	0.00	8655	Outside	4372.00	
Perforations	3.00			4375.00	
Bullnose	3.00			4378.00	7.00 Bottom Packers & Anchor

Total Tool Length: 34.00



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FLUID SUMMARY

American Warrior, Inc.

7-20s-20w Pawnee,KS

PO Box 399
Garden City, KS 67846

SNS #2-7

Job Ticket: 58409

DST#: 1

ATTN: Jason T Alm

Test Start: 2014.11.16 @ 19:49:25

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: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	SWMCO, 5%W 40%M 55%O	0.822
15.00	CO	0.205

Total Length: 95.00 ft Total Volume: 1.027 bbl

Num Fluid Samples: 0

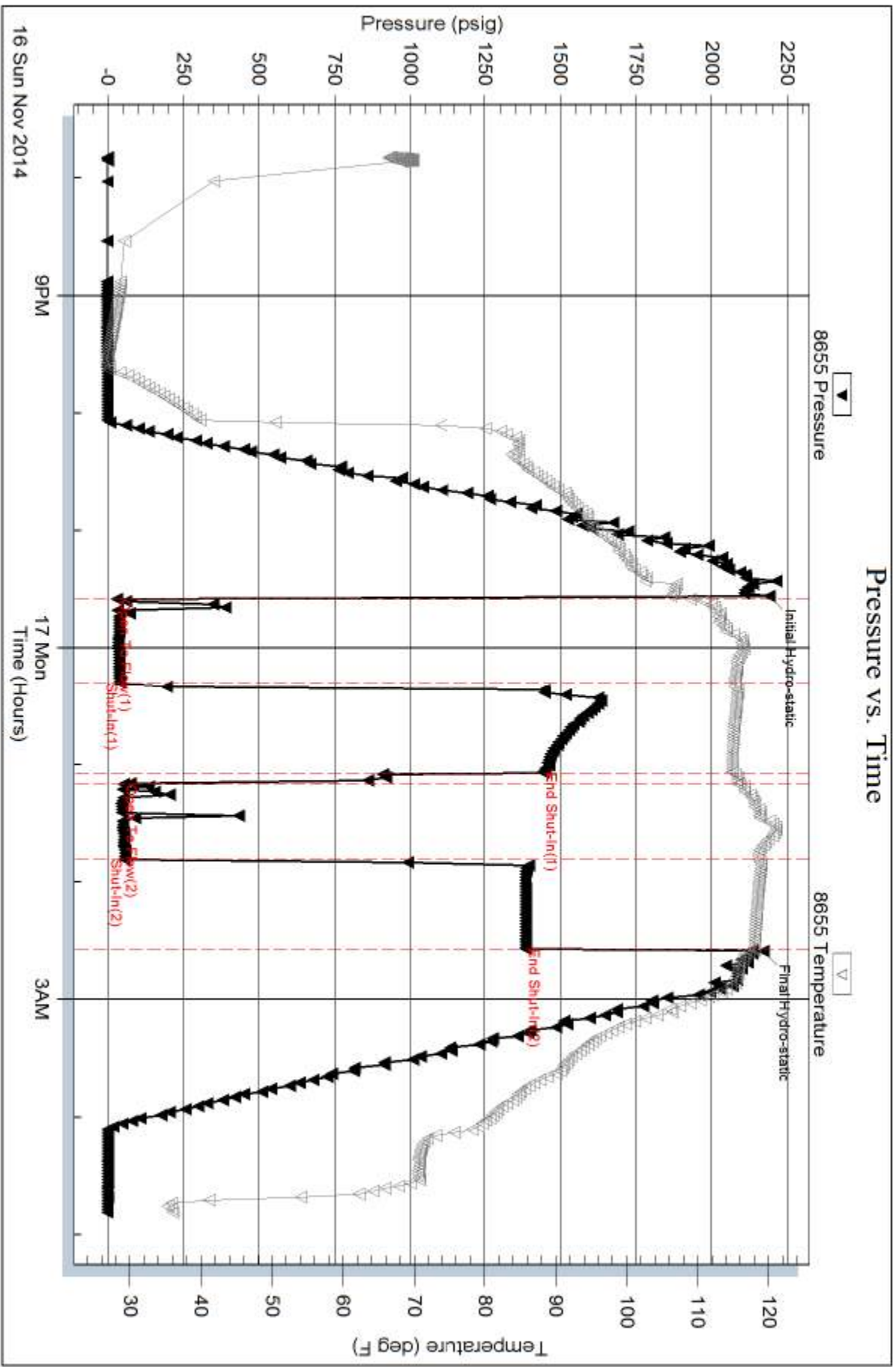
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



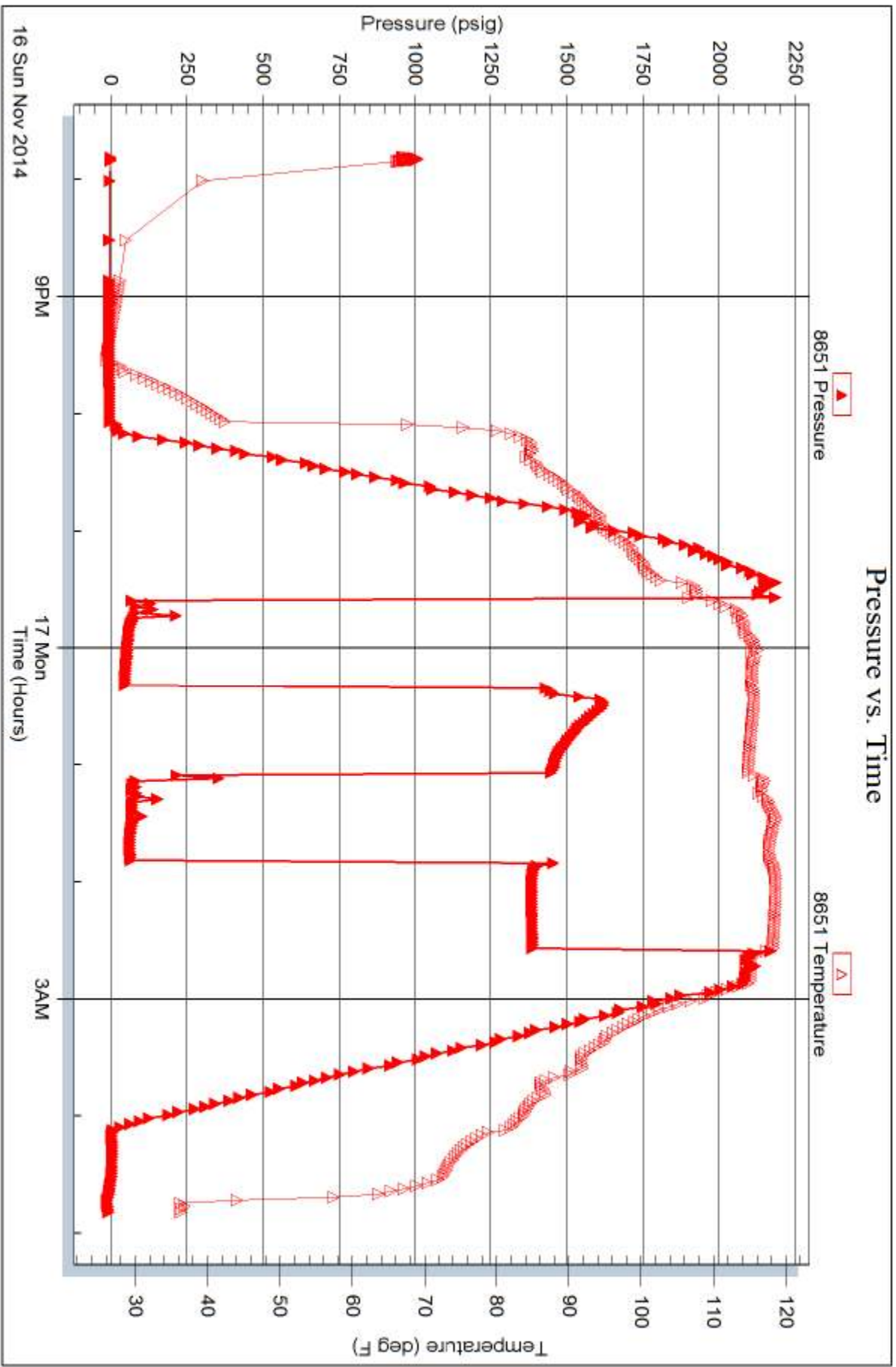
Serial #: 8651

Inside

American Warrior, Inc.

SNS #2-7

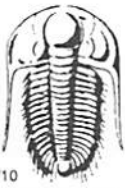
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58409

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58409

Well Name & No. SNS #2-7 Test No. 1 Date 11/16/14
 Company America Warriors, Inc Elevation 2238 KB 2230 GL
 Address 3118 Cummings Rd. PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason T Alm Rig Discovery #3
 Location: Sec. 7 Twp. 20 S Rge. 20 W Co. Pawnee State KS

Interval Tested 4371~4378 Zone Tested M135
 Anchor Length 7' Drill Pipe Run 4343 Mud Wt. 9.2
 Top Packer Depth 4366 Drill Collars Run 31 Vis 56
 Bottom Packer Depth 4371 Wt. Pipe Run --- WL 7.2
 Total Depth 4378 Chlorides 4,200 ppm System LCM 1#
 Blow Description IF - Slowly built to 3 1/4"
PSI - No blow
RF - Slowly built to 3 1/4"
BSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>SWACO</u>	<u>55</u>	<u>5</u>	<u>5</u>	<u>40</u>
<u>15'</u>	<u>CO</u>				

Rec Total 95' BHT 118° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2190</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1933</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1949</u>
(C) First Final Flow <u>40</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2334</u>
(D) Initial Shut-In <u>1444</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0234 11/17</u>
(E) Second Initial Flow <u>52</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0450</u>
(F) Second Final Flow <u>55</u>	<input checked="" type="checkbox"/> Mileage <u>112 RT</u> 173.60	Comments _____
(G) Final Shut-In <u>1386</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2171</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1748.60</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1748.60</u>	

Approved By _____ Our Representative Brannan Lonsdale

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