



DRILL STEM TEST REPORT

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

3118 Cummings Rd.
Garden City KS 67846

ATTN: Kevin Timson

Congdon #11-28

28-23s-32w Finney,KS

Start Date: 2014.01.21 @ 18:04:00

End Date: 2014.01.21 @ 20:28:15

Job Ticket #: 55689 DST #: 1

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

Printed: 2014.01.23 @ 15:41:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

28-23s-32w Finney,KS

3118 Cummings Rd.
Garden City KS 67846

Congdon #11-28

Job Ticket: 55689

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.01.21 @ 18:04:00

Tool Information

Drill Pipe:	Length: 4693.00 ft	Diameter: 3.80 inches	Volume: 65.83 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 65.83 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4690.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	57.00 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			4664.00	
Shut In Tool	5.00			4669.00	
Hydraulic tool	5.00			4674.00	
Jars	5.00			4679.00	
Safety Joint	2.00			4681.00	
Packer	5.00			4686.00	27.00 Bottom Of Top Packer
Packer	4.00			4690.00	
Stubb	1.00			4691.00	
Recorder	0.00	8678	Inside	4691.00	
Recorder	0.00	8522	Outside	4691.00	
Perforations	26.00			4717.00	
Bullnose	3.00			4720.00	30.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

28-23s-32w Finney,KS

3118 Cummings Rd.
Garden City KS 67846

Congdon #11-28

Job Ticket: 55689

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.01.21 @ 18:04:00

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: 80.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Tool never got to bottom.	0.000

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

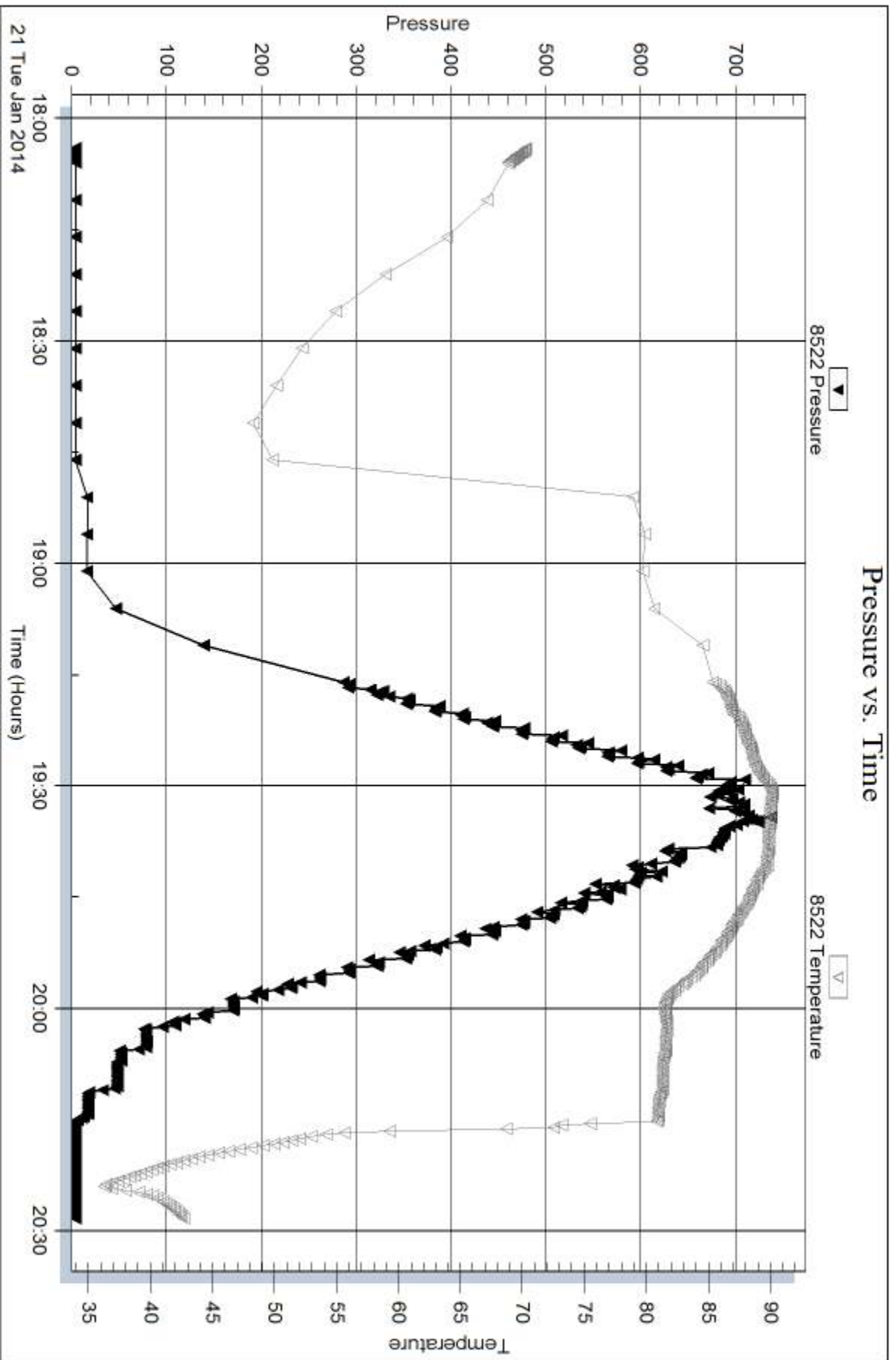
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

3118 Cummings Rd.
Garden City KS 67846

ATTN: Kevin Timson

Congdon #11-28

28-23s-32w Finney,KS

Start Date: 2014.01.22 @ 04:32:00

End Date: 2014.01.22 @ 13:27:15

Job Ticket #: 55690 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.01.23 @ 15:42:33



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

28-23s-32w Finney,KS

3118 Cummings Rd.
Garden City KS 67846

Congdon #11-28

Job Ticket: 55690

DST#: 2

ATTN: Kevin Timson

Test Start: 2014.01.22 @ 04:32:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:28:30

Time Test Ended: 13:27:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4690.00 ft (KB) To 4720.00 ft (KB) (TVD)

Reference Elevations: 2853.00 ft (KB)

Total Depth: 4720.00 ft (KB) (TVD)

2841.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 235.13 psig @ 4691.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.22 End Date: 2014.01.22

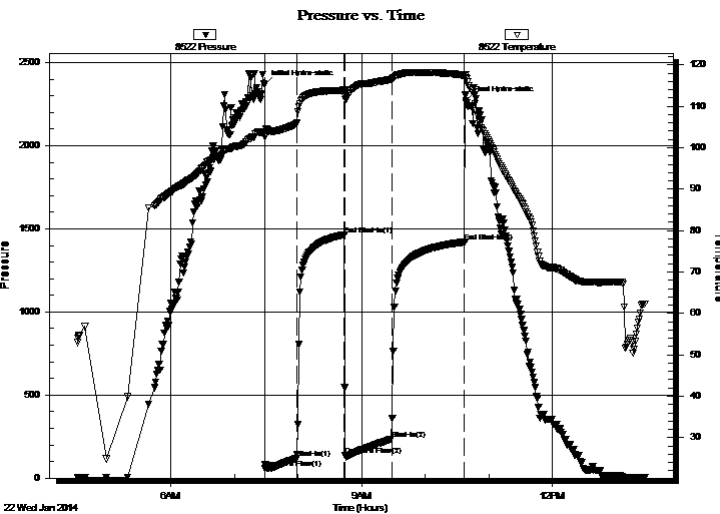
Last Calib.: 2014.01.22

Start Time: 04:32:05 End Time: 13:27:15

Time On Btm: 2014.01.22 @ 07:28:15

Time Off Btm: 2014.01.22 @ 10:38:30

TEST COMMENT: IF: BOB @ 2 1/2 min.
IS: BOB @ 25 min.
FF: BOB immediately. Gas to Surface @ 5 min.
FS: BOB @ 10 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2368.09	103.72	Initial Hydro-static
1	56.08	102.50	Open To Flow (1)
31	120.50	105.88	Shut-In(1)
76	1464.77	113.87	End Shut-In(1)
76	137.84	112.33	Open To Flow (2)
120	235.13	116.45	Shut-In(2)
189	1420.84	117.45	End Shut-In(2)
191	2271.64	116.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 20g 30o 50m	0.84
60.00	gmco 25g 30m 45o	0.84
600.00	go 40g 60o	8.42
0.00	Gas to Surface	0.00

* Recovery from multiple tests

Gas Rates

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



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TOOL DIAGRAM

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28-23s-32w Finney,KS

3118 Cummings Rd.
Garden City KS 67846

Congdon #11-28

Job Ticket: 55690

DST#: 2

ATTN: Kevin Timson

Test Start: 2014.01.22 @ 04:32:00

Tool Information

Drill Pipe:	Length: 4693.00 ft	Diameter: 3.80 inches	Volume: 65.83 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 65.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4690.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 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			4664.00	
Shut In Tool	5.00			4669.00	
Hydraulic tool	5.00			4674.00	
Jars	5.00			4679.00	
Safety Joint	2.00			4681.00	
Packer	5.00			4686.00	27.00 Bottom Of Top Packer
Packer	4.00			4690.00	
Stubb	1.00			4691.00	
Recorder	0.00	8678	Inside	4691.00	
Recorder	0.00	8522	Outside	4691.00	
Perforations	26.00			4717.00	
Bullnose	3.00			4720.00	30.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

28-23s-32w Finney,KS

3118 Cummings Rd.
Garden City KS 67846

Congdon #11-28

Job Ticket: 55690

DST#: 2

ATTN: Kevin Timson

Test Start: 2014.01.22 @ 04:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 80.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	gocm 20g 30o 50m	0.842
60.00	gmco 25g 30m 45o	0.842
600.00	go 40g 60o	8.416
0.00	Gas to Surface	0.000

Total Length: 720.00 ft

Total Volume: 10.100 bbl

Num Fluid Samples: 0

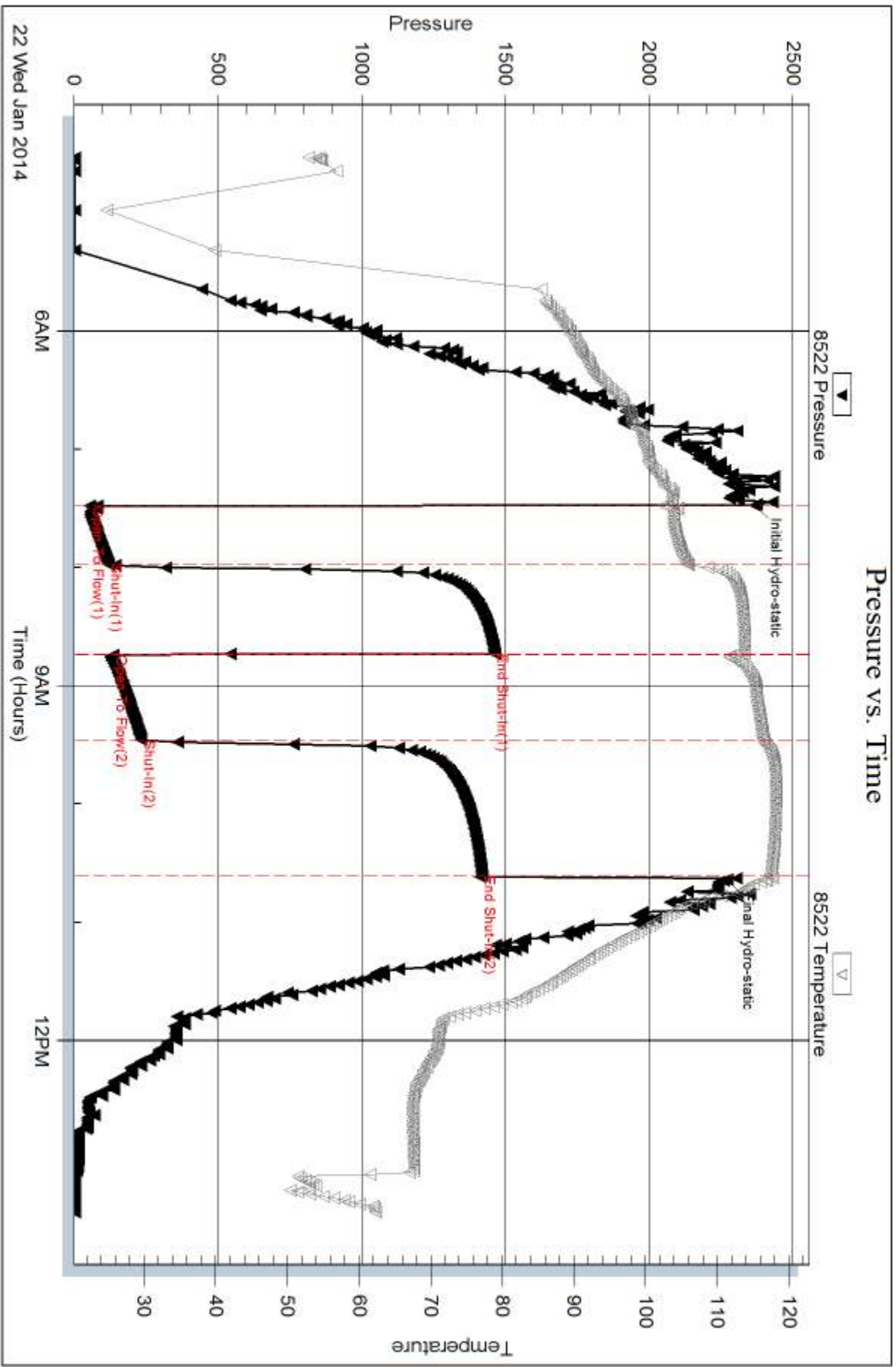
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



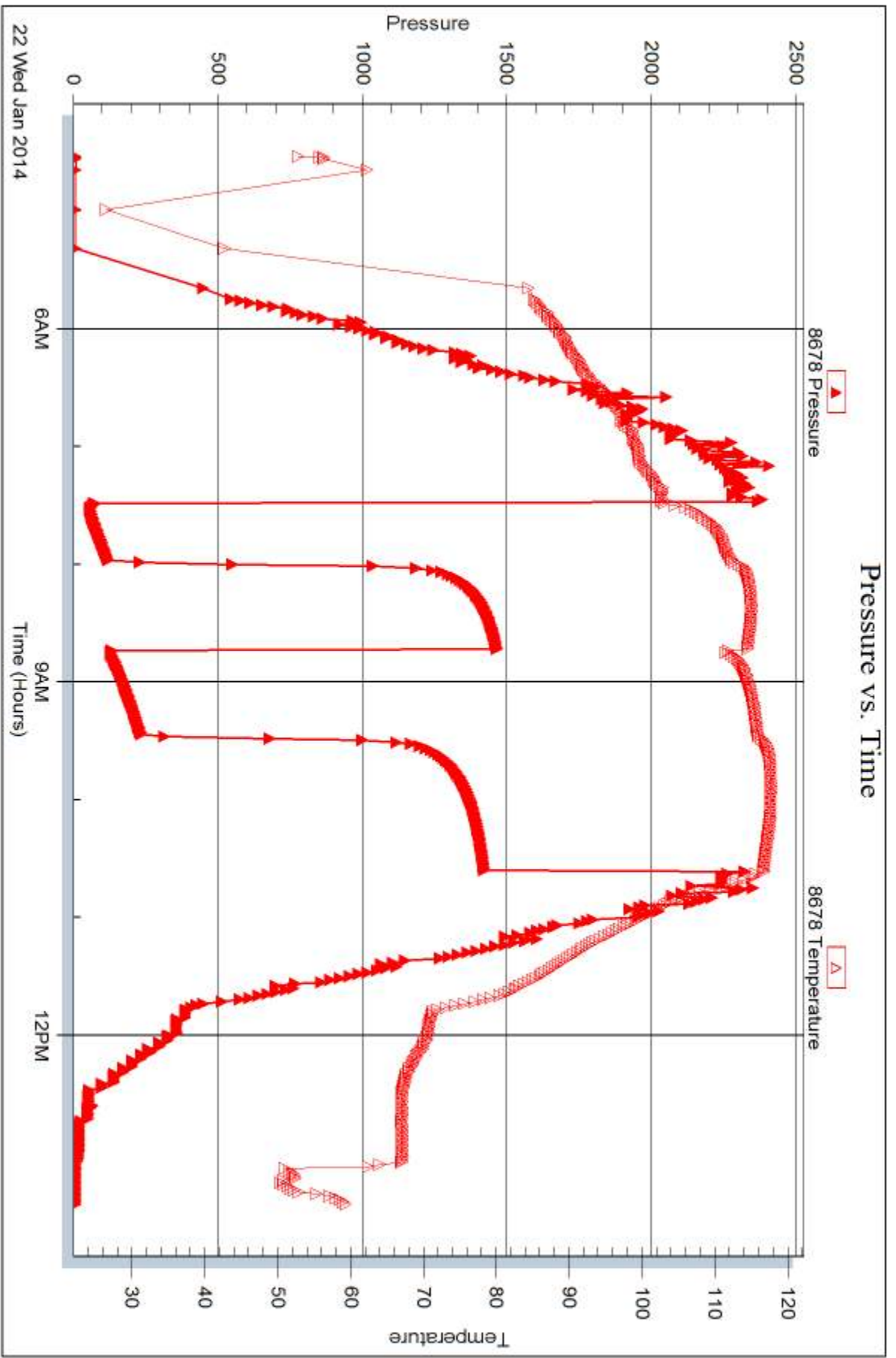
Serial #: 8678

Inside

American Warrior, Inc.

Congdon #11-28

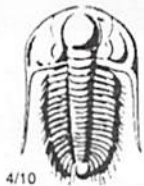
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 55690

Printed: 2014.01.23 @ 15:42:35



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55689**

Well Name & No. Congdon 11-28 Test No. 1 Date 1/21/14
 Company American Warrior, Inc Elevation 2853 KB 2841 GL
 Address 3118 Comnags Rd Garden City Ks 67846
 Co. Rep / Geo. Kevn Timson Rig Duke #1
 Location: Sec. 28 Twp. 23 S Rge. 32 W Co. Finney State Ks

Interval Tested 4690 - 4720 Zone Tested Morrow
 Anchor Length 30 Drill Pipe Run 4693 Mud Wt. 9.4
 Top Packer Depth 4685 Drill Collars Run 0 Vis 80
 Bottom Packer Depth 4690 Wt. Pipe Run 0 WL 6.4
 Total Depth 4720 Chlorides 3000 ppm System LCM 3#

Blow Description Tool hit bridge and was not able to reach bottom

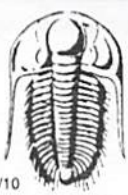
Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>					

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

(A) Initial Hydrostatic _____ Test 1050 T-On Location 1700
 (B) First Initial Flow _____ Jars 250 T-Started 1804
 (C) First Final Flow _____ Safety Joint 75 T-Open NA
 (D) Initial Shut-In NA Circ Sub N/C T-Pulled NA
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 2028
 (F) Second Final Flow _____ Mileage 72 RT 111.60 Comments reconditioned Hole
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open _____ Extra Recorder _____ Sub Total 0
 Initial Shut-In NA Day Standby _____ Total 1486.60
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1486.60

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. 55690

Well Name & No. Congdon 11-25 Test No. 2 Date 1/22/14
 Company American Warrior, Inc Elevation 2853 KB 2841 GL
 Address 3118 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Kevin Tomson Rig Duke #1
 Location: Sec. 25 Twp. 23S Rge. 32W Co. Finnay State KS

Interval Tested 4690 - 4720 Zone Tested Matrow
 Anchor Length 30' Drill Pipe Run 4693 Mud Wt. 9.4
 Top Packer Depth 4655 Drill Collars Run 0 Vis 80
 Bottom Packer Depth 4699 Wt. Pipe Run 0 WL 6.4
 Total Depth 4720 Chlorides 3000 ppm System LCM 3rd

Blow Description IF: BOB @ 2 1/2 min
ISF: BOB @ 26 min
FF: BOB immediately Gas to surface @ 5 min
FSI: BOB @ 10 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>600</u>	<u>60</u>	<u>40</u>	<u>60</u>		
<u>60</u>	<u>6100</u>	<u>25</u>	<u>45</u>		<u>30</u>
<u>60</u>	<u>60CM</u>	<u>20</u>	<u>30</u>		<u>50</u>
	<u>Gas to surface</u>				

Rec Total 720 BHT 118 Gravity 927 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2368 Test 1250 T-On Location 0400
 (B) First Initial Flow 56 Jars 250 T-Started 0432
 (C) First Final Flow 121 Safety Joint 75 T-Open 0727
 (D) Initial Shut-In 1465 Circ Sub NA T-Pulled 1027
 (E) Second Initial Flow 138 Hourly Standby _____ T-Out 1327
 (F) Second Final Flow 295 Mileage 72KT 111.60 Comments _____
 (G) Final Shut-In 1421 Sampler _____
 (H) Final Hydrostatic 2272 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 60 Sub Total 0
 Sub Total 1686.60 Total 1686.60
 MP/DST Disc't _____

Approved By _____ Our Representative 

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.