



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil Obrate/ Kurt T

Volkland #5-32

32-18s-9w Rice,KS

Start Date: 2013.08.28 @ 08:32:50

End Date: 2013.08.28 @ 14:23:50

Job Ticket #: 47525 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.03 @ 16:43:34



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Cecil Obrate/ Kurt T

32-18s-9w Rice, KS
Volkland #5-32
 Job Ticket: 47525 **DST#: 1**
 Test Start: 2013.08.28 @ 08:32:50

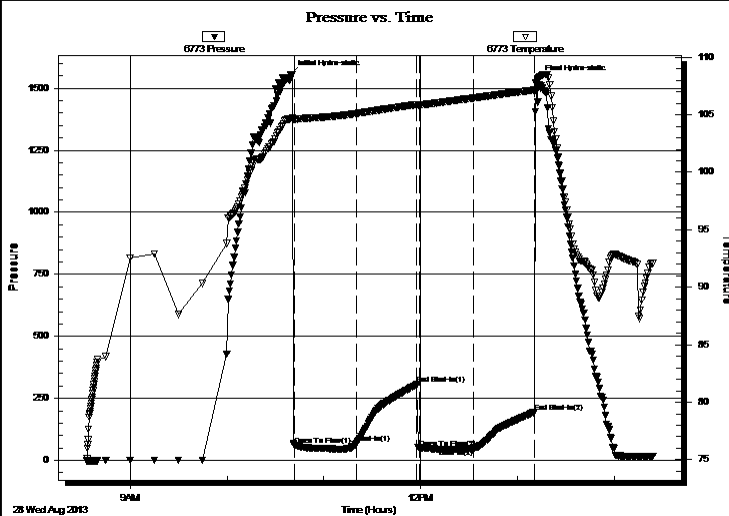
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:41:35
 Time Test Ended: 14:23:50
 Interval: **3180.00 ft (KB) To 3250.00 ft (KB) (TVD)**
 Total Depth: 3250.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Staats
 Unit No: 47
 Reference Elevations: 1729.00 ft (KB)
 1721.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6773 Outside

Press @ Run Depth: 49.69 psig @ 3181.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.28 End Date: 2013.08.28 Last Calib.: 2013.08.28
 Start Time: 08:32:55 End Time: 14:23:49 Time On Btm: 2013.08.28 @ 10:39:35
 Time Off Btm: 2013.08.28 @ 13:12:50

TEST COMMENT: IF: Weak blow 3 1/4"
 IS: No blow back
 FF: No blow
 FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.45	104.65	Initial Hydro-static
2	60.81	104.60	Open To Flow (1)
41	69.84	105.10	Shut-In(1)
78	305.78	105.89	End Shut-In(1)
80	50.87	105.84	Open To Flow (2)
113	49.69	106.45	Shut-In(2)
151	195.41	107.15	End Shut-In(2)
154	1536.08	108.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud With oil spots in tool	0.42

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: Cecil Obrate/ Kurt T

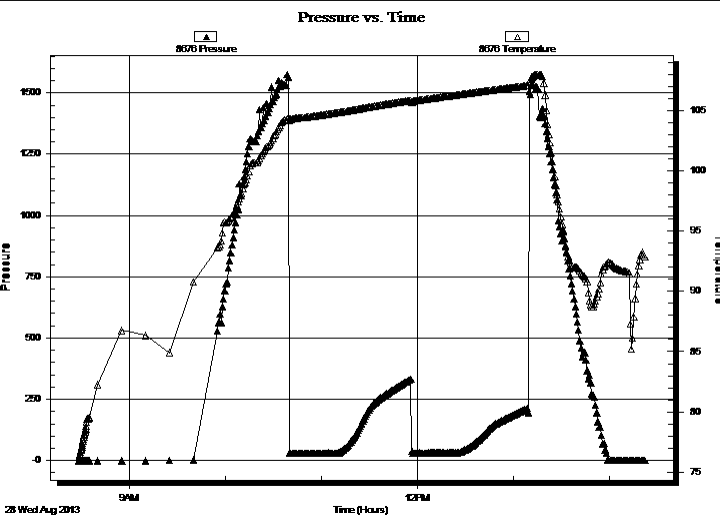
32-18s-9w Rice, KS
Volkland #5-32
 Job Ticket: 47525 **DST#: 1**
 Test Start: 2013.08.28 @ 08:32:50

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
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 Time Test Ended: 14:23:50
 Interval: **3180.00 ft (KB) To 3250.00 ft (KB) (TVD)**
 Total Depth: 3250.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Staats
 Unit No: 47
 Reference Elevations: 1729.00 ft (KB)
 1721.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8676 Outside
 Press @ Run Depth: psig @ 3181.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.28 End Date: 2013.08.28 Last Calib.: 2013.08.28
 Start Time: 08:28:24 End Time: 14:22:18 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak blow 3 1/4"
 IS: No blow back
 FF: No blow
 FS: No blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	Mud With oil spots in tool	0.42

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

32-18s-9w Rice,KS

PO Box 399
Garden City KS 67846

Volkland #5-32

Job Ticket: 47525

DST#: 1

ATTN: Cecil Obrate/ Kurt T

Test Start: 2013.08.28 @ 08:32:50

Tool Information

Drill Pipe:	Length: 3163.00 ft	Diameter: 3.80 inches	Volume: 44.37 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 44.37 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3180.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	91.00 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			3160.00	
Shut In Tool	5.00			3165.00	
Hydraulic tool	5.00			3170.00	
Packer	5.00			3175.00	21.00 Bottom Of Top Packer
Packer	5.00			3180.00	
Stubb	1.00			3181.00	
Recorder	0.00	6773	Outside	3181.00	
Recorder	0.00	8676	Outside	3181.00	
Perforations	4.00			3185.00	
Change Over Sub	0.50			3185.50	
Drill Pipe	61.00			3246.50	
Change Over Sub	0.50			3247.00	
Bullnose	3.00			3250.00	70.00 Bottom Packers & Anchor

Total Tool Length: 91.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

32-18s-9w Rice,KS

PO Box 399
Garden City KS 67846

Volkland #5-32

Job Ticket: 47525

DST#: 1

ATTN: Cecil Obrate/ Kurt T

Test Start: 2013.08.28 @ 08:32:50

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud With oil spots in tool	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

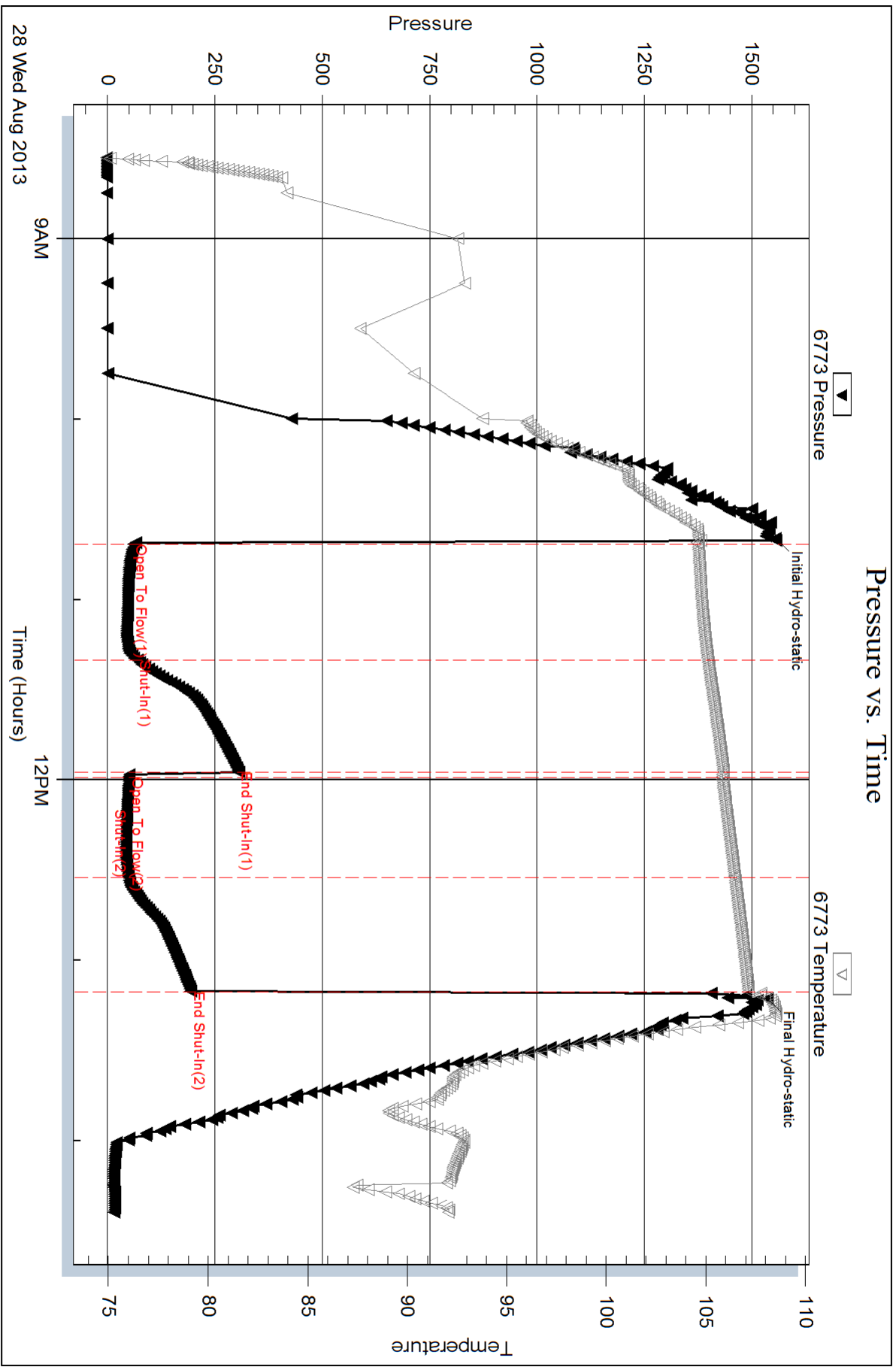
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

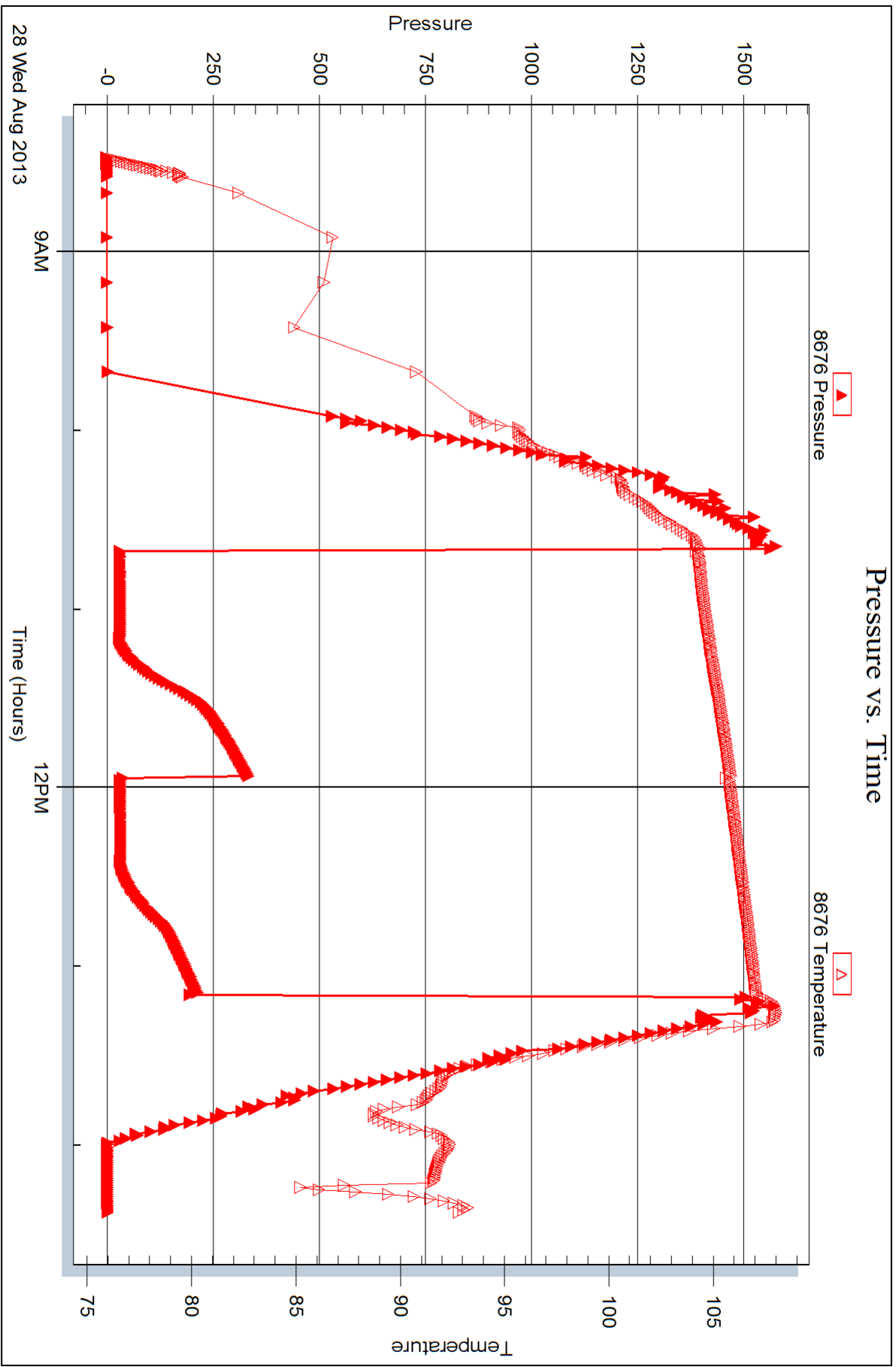


Serial #: 8676

Outside American Warrior Inc

Volkland #5-32

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47525

Printed: 2013.09.03 @ 16:43:35



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil Obrate/ Kurt T

Volkland #5-32

32-18s-9w Rice,KS

Start Date: 2013.08.28 @ 19:53:32

End Date: 2013.08.29 @ 01:02:17

Job Ticket #: 52426 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.03 @ 16:42:32



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Cecil Obrate/ Kurt T

32-18s-9w Rice, KS
Volkland #5-32
 Job Ticket: 52426 **DST#: 2**
 Test Start: 2013.08.28 @ 19:53:32

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:22:47
 Time Test Ended: 01:02:17
 Interval: **3179.00 ft (KB) To 3255.00 ft (KB) (TVD)**
 Total Depth: 3255.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chris Staats
 Unit No: 47
 Reference Elevations: 1729.00 ft (KB)
 1721.00 ft (CF)
 KB to GR/CF: 8.00 ft

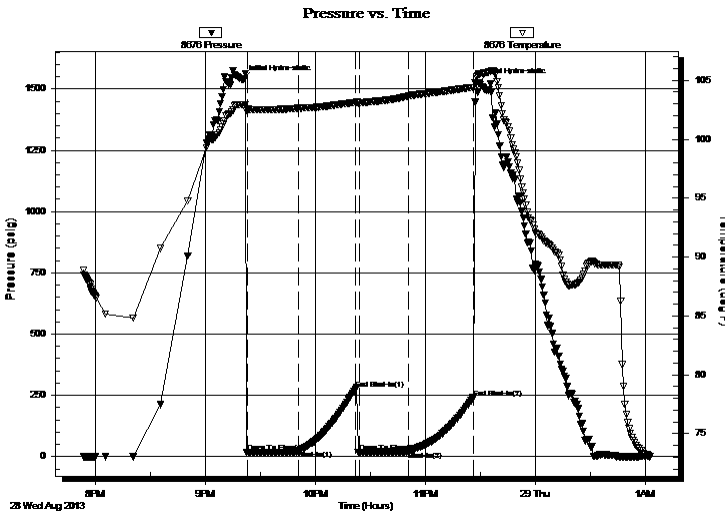
Serial #: 8676

Outside

Press @ Run Depth: 23.53 psig @ 3180.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.28 End Date: 2013.08.29 Last Calib.: 2013.08.29
 Start Time: 19:53:37 End Time: 01:02:16 Time On Btm: 2013.08.28 @ 21:20:02
 Time Off Btm: 2013.08.28 @ 23:28:47

TEST COMMENT: IF: Weak surface blow blow died
 IS: No blow back
 FF: Weak surface blow blow died
 FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.12	102.94	Initial Hydro-static
3	17.60	102.56	Open To Flow (1)
31	24.05	102.63	Shut-In(1)
62	275.55	103.13	End Shut-In(1)
64	18.07	103.08	Open To Flow (2)
91	23.53	103.65	Shut-In(2)
126	240.36	104.41	End Shut-In(2)
129	1526.98	105.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	O,W,M 2%oil 8%w ater 90%mud	0.21

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Cecil Obrate/ Kurt T

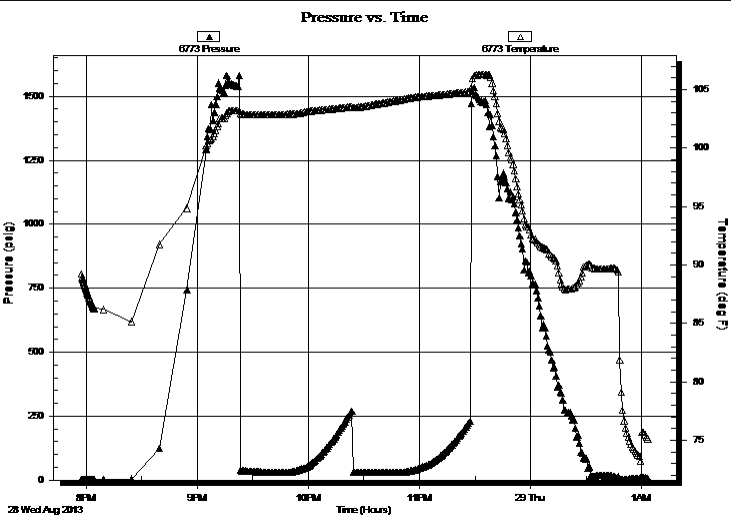
32-18s-9w Rice, KS
Volkland #5-32
 Job Ticket: 52426 **DST#: 2**
 Test Start: 2013.08.28 @ 19:53:32

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 21:22:47 Tester: Chris Staats
 Time Test Ended: 01:02:17 Unit No: 47
 Interval: **3179.00 ft (KB) To 3255.00 ft (KB) (TVD)** Reference Elevations: 1729.00 ft (KB)
 Total Depth: 3255.00 ft (KB) (TVD) 1721.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6773 Outside
 Press @ Run Depth: psig @ 3180.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.28 End Date: 2013.08.29 Last Calib.: 2013.08.29
 Start Time: 19:57:36 End Time: 01:03:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak surface blow blow died
 IS: No blow back
 FF: Weak surface blow blow died
 FS: No blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	O,W,M 2%oil 8%w ater 90% mud	0.21

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

32-18s-9w Rice, KS

PO Box 399
Garden City KS 67846

Volkland #5-32

Job Ticket: 52426

DST#: 2

ATTN: Cecil Obrate/ Kurt T

Test Start: 2013.08.28 @ 19:53:32

Tool Information

Drill Pipe:	Length: 3161.00 ft	Diameter: 3.80 inches	Volume: 44.34 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 44.34 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3179.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	97.00 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			3159.00	
Shut In Tool	5.00			3164.00	
Hydraulic tool	5.00			3169.00	
Packer	5.00			3174.00	21.00 Bottom Of Top Packer
Packer	5.00			3179.00	
Stubb	1.00			3180.00	
Recorder	0.00	6773	Outside	3180.00	
Recorder	0.00	8676	Outside	3180.00	
Perforations	10.00			3190.00	
Change Over Sub	0.50			3190.50	
Drill Pipe	61.00			3251.50	
Change Over Sub	0.50			3252.00	
Bullnose	3.00			3255.00	76.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

32-18s-9w Rice,KS

PO Box 399
Garden City KS 67846

Volkland #5-32

Job Ticket: 52426

DST#: 2

ATTN: Cecil Obrate/ Kurt T

Test Start: 2013.08.28 @ 19:53:32

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:

40000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	O,W,M 2%oil 8%w ater 90%mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

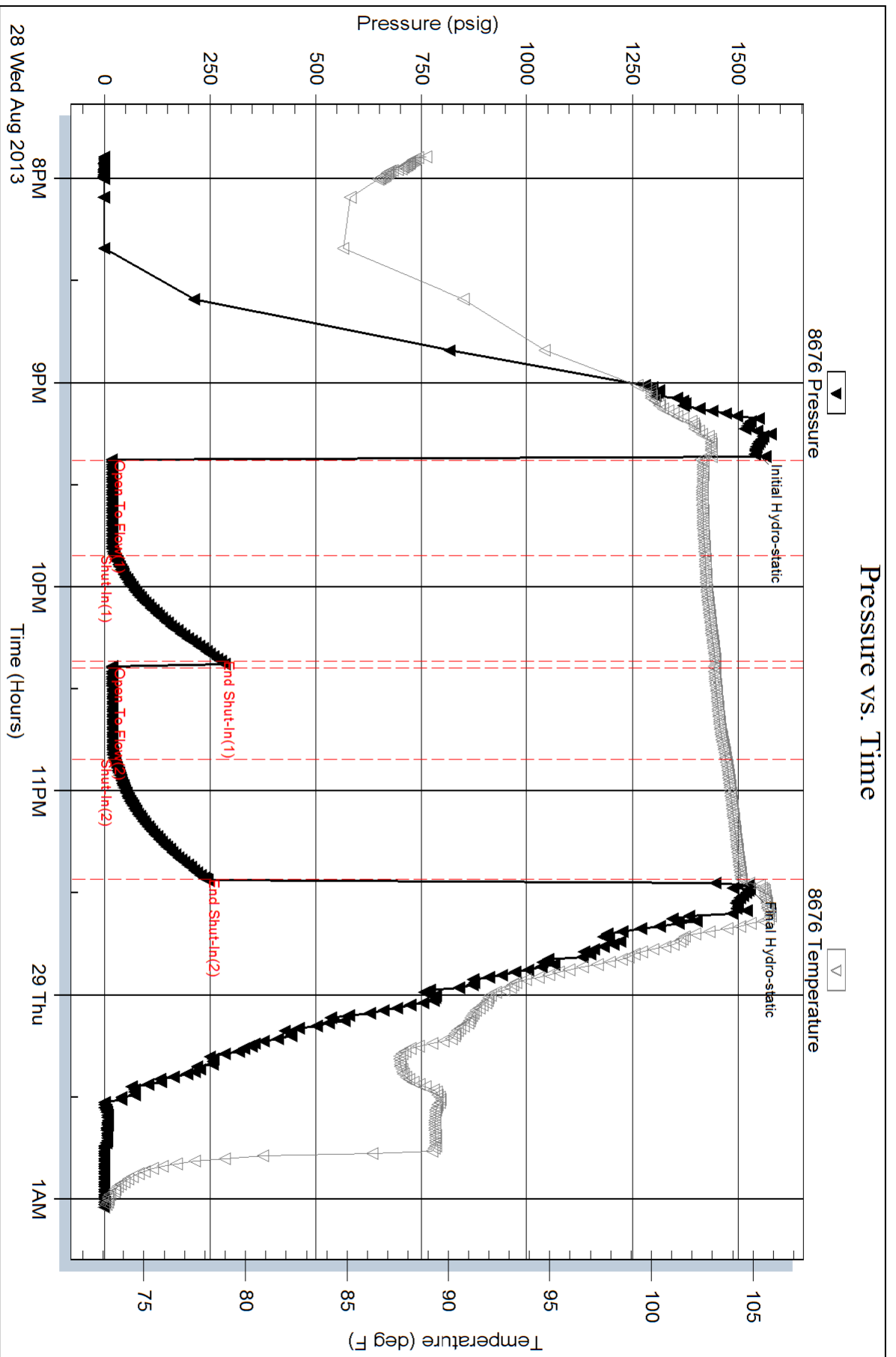
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

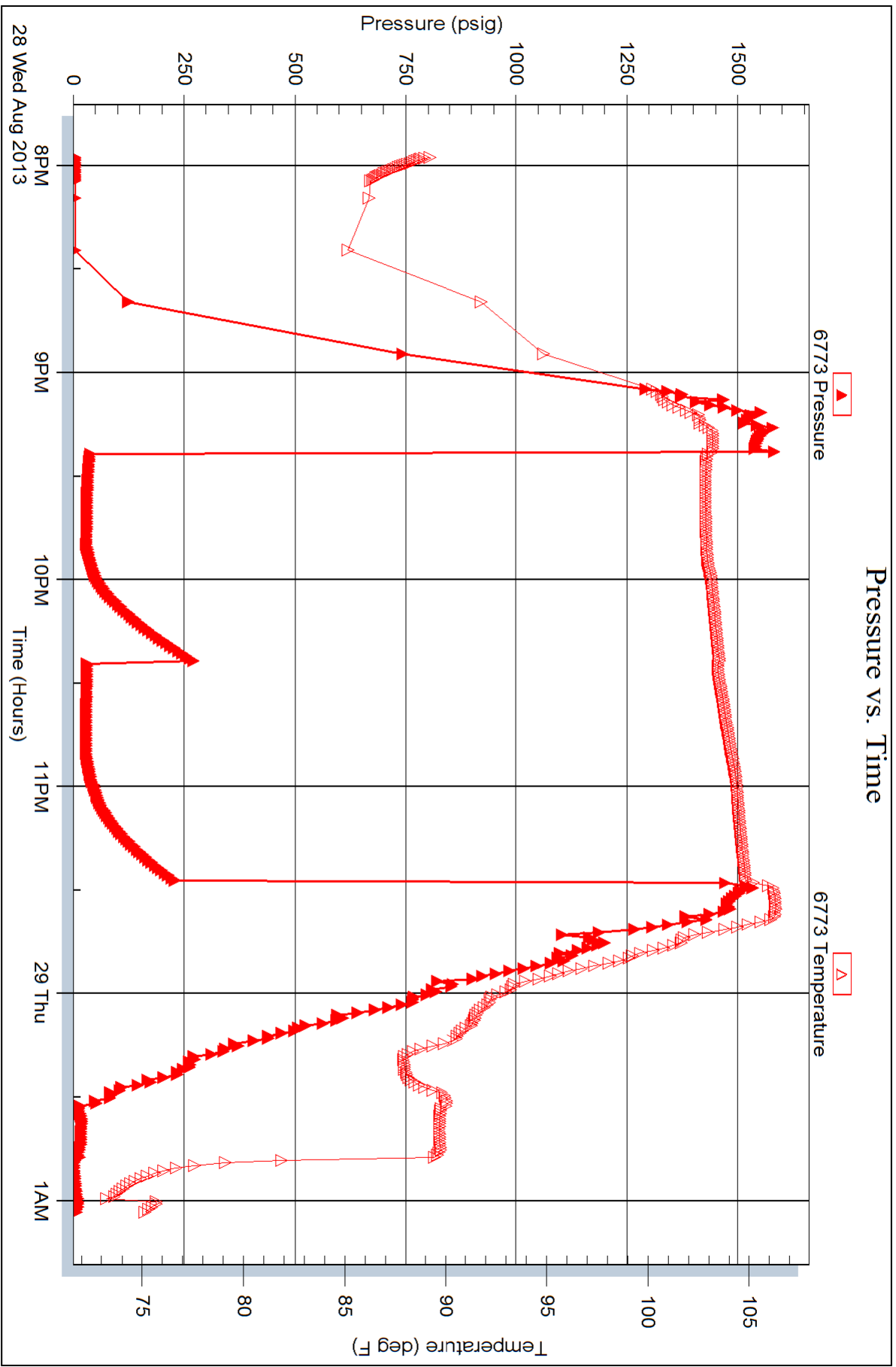


Serial #: 6773

Outside American Warrior Inc

Volkland #5-32

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47525

4/10

Well Name & No. Volkland #5-32 Test No. 1 Date 8-28-13
 Company American Warrior Elevation 1729 KB 1721 GL
 Address 3118 Cummings Rd Pobox 299 Gardencity KS 67846
 Co. Rep / Geo. Cecil Oberte Kurt Talbot Rig Duke #8
 Location: Sec. 32 Twp. 18 Rge. 9 Co. Rice State KS

Interval Tested 3180 - 3250 Zone Tested Arbuckle
 Anchor Length 20' Drill Pipe Run 3163 Mud Wt. 11.2
 Top Packer Depth 3175 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 3180 Wt. Pipe Run 0 WL 8.0
 Total Depth 3250 Chlorides 5,200 ppm System LCM 0
 Blow Description IF: Weak blow 3/4"
ISI: NO blow back
FF: NO blow
FSI: NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>30</u>	Feet of <u>MUD with oil spots in tool</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 108 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1555 Test 1150 T-On Location 8:15
 (B) First Initial Flow 60 Jars - T-Started 8:32
 (C) First Final Flow 69 Safety Joint - T-Open 10:41
 (D) Initial Shut-In 305 Circ Sub - T-Pulled 13:10
 (E) Second Initial Flow 50 Hourly Standby - T-Out 14:20
 (F) Second Final Flow 49 Mileage 150 miles 232.50 Comments -
 (G) Final Shut-In 195 Sampler -
 (H) Final Hydrostatic 1536 Straddle - Ruined Shale Packer -
 Shale Packer - Ruined Packer -
 Extra Packer - Extra Copies -
 Extra Recorder - Sub Total 0
 Day Standby - Total 1382.50
 Accessibility - MP/DST Disc't -
 Sub Total 1382.50

Approved By Kurt Talbot Our Representative Ch [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. 52426

Well Name & No. Volkland #5-32 Test No. 2 Date 8-28-13
 Company American Warrior INC Elevation 1729 KB 1721 GL
 Address 3118 Cumming Rd Pobox 299 Garden City KS 67846
 Co. Rep / Geo. Cecil Obrate Kurt Talbot Rig Duke #8
 Location: Sec. 32 Twp. 18 Rge. 9 Co. Rice State KS

Interval Tested 3179 - 3255 Zone Tested Arbuckle
 Anchor Length 76' Drill Pipe Run 361 Mud Wt. 9.2
 Top Packer Depth 3174 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 3179 Wt. Pipe Run 0 WL 8.0
 Total Depth 3255 Chlorides 5200 ppm System LCM 0

Blow Description FF: Weak surface blow blow died
IST: NO blow back
FF: Weak surface blow blow died
FST: NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>15'</u>	Feet of <u>0, W, M</u>	%gas <u>2</u>	%oil <u>8</u>	%water <u>90</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15' BHT 107 Gravity - API RW .15 @ 84 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 1540 Test 1150 T-On Location 19:40
 (B) First Initial Flow 17 Jars T-Started 19:53
 (C) First Final Flow 24 Safety Joint T-Open 21:22
 (D) Initial Shut-In 275 Circ Sub T-Pulled 23:20
 (E) Second Initial Flow 18 Hourly Standby T-Out 1:00
 (F) Second Final Flow 23 Mileage 65 miles 465 Comments loaded tools 14:45 8/28
 (G) Final Shut-In 240 Sampler Ruined Shale Packer
 (H) Final Hydrostatic 1526 Straddle Ruined Packer

Initial Open 30 Extra Packer Extra Copies
 Initial Shut-In 30 Extra Recorder Sub Total 0
 Final Flow 30 Day Standby Total 1615
 Final Shut-In 30 Accessibility MP/DST Disc't

Sub Total 1615
 Approved By Kurt Talbot Our Representative Ch. Lto

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.