



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #4

12-20s-21w Ness,KS

Start Date: 2014.03.10 @ 09:42:00

End Date: 2014.03.10 @ 15:29:00

Job Ticket #: 56088 DST #: 1

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

Printed: 2014.03.16 @ 11:59:03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO box 399
 Garden City KS 67846
 ATTN: Jason Alm

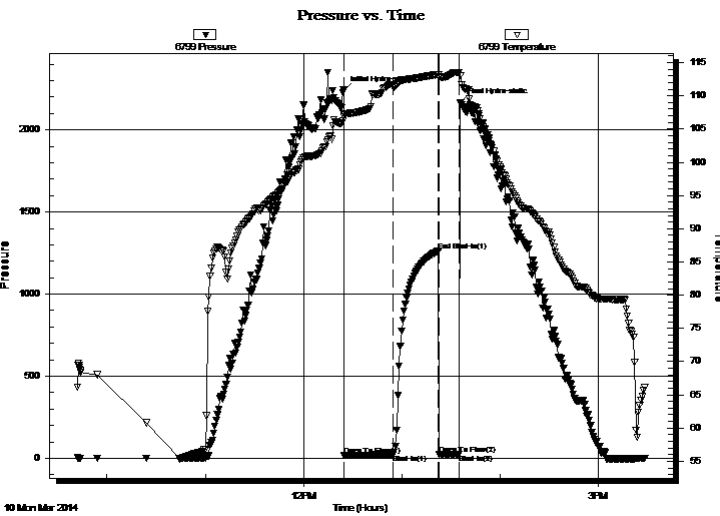
12-20s-21w Ness, KS
Ben Hinnergardt #4
 Job Ticket: 56088 **DST#: 1**
 Test Start: 2014.03.10 @ 09:42:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:24:45 Tester: Cody Bloedorn
 Time Test Ended: 15:29:00 Unit No: 73
 Interval: **4364.00 ft (KB) To 4378.00 ft (KB) (TVD)** Reference Elevations: 2240.00 ft (KB)
 Total Depth: 4378.00 ft (KB) (TVD) 2234.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6799 Inside
 Press@RunDepth: 21.04 psig @ 4365.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.10 End Date: 2014.03.10 Last Calib.: 2014.03.10
 Start Time: 09:42:05 End Time: 15:28:59 Time On Btm: 2014.03.10 @ 12:24:30
 Time Off Btm: 2014.03.10 @ 13:36:00

TEST COMMENT: 30 - IF- 1/4" blow
 30 - IS- No return
 10 - FF- weak surface return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.73	107.28	Initial Hydro-static
1	16.11	106.86	Open To Flow (1)
31	21.04	111.45	Shut-In(1)
58	1264.46	113.22	End Shut-In(1)
59	21.90	112.81	Open To Flow (2)
71	24.48	113.53	Shut-In(2)
72	2168.58	113.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud, with oil on top, 99%M, 1%O	0.15

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: Jason Alm

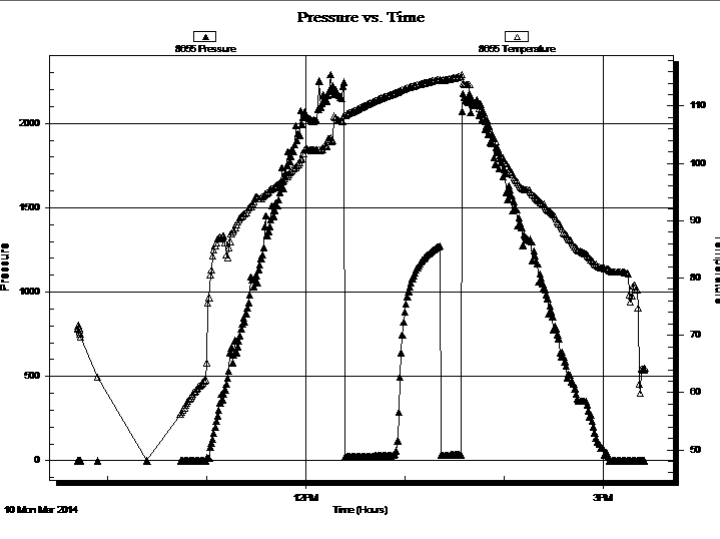
12-20s-21w Ness, KS
Ben Hinnergardt #4
Job Ticket: 56088 **DST#: 1**
Test Start: 2014.03.10 @ 09:42:00

GENERAL INFORMATION:

Formation: Mississippi			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 12:24:45		Tester: Cody Bloedorn	
Time Test Ended: 15:29:00		Unit No: 73	
Interval: 4364.00 ft (KB) To 4378.00 ft (KB) (TVD)		Reference Elevations: 2240.00 ft (KB)	
Total Depth: 4378.00 ft (KB) (TVD)		2234.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 6.00 ft	

Serial #: 8655	Outside				
Press@RunDepth:	psig @	4365.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2014.03.10	End Date:	2014.03.10	Last Calib.:	2014.03.10
Start Time:	09:42:05	End Time:	15:24:58	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30 - IF- 1/4" blow
30 - IS- No return
10 - FF- weak surface return



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

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	Mud, with oil on top, 99%M, 1%O	0.15

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: Jason Alm

12-20s-21w Ness, KS
Ben Hinnergardt #4
Job Ticket: 56088 **DST#: 1**
Test Start: 2014.03.10 @ 09:42:00

Tool Information

Drill Pipe:	Length: 4218.00 ft	Diameter: 3.80 inches	Volume: 59.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 59.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4364.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	43.00 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			4336.00	
Shut In Tool	5.00			4341.00	
Hydraulic tool	5.00			4346.00	
Jars	5.00			4351.00	
Safety Joint	3.00			4354.00	
Packer	5.00			4359.00	29.00 Bottom Of Top Packer
Packer	5.00			4364.00	
Stubb	1.00			4365.00	
Recorder	0.00	6799	Inside	4365.00	
Recorder	0.00	8655	Outside	4365.00	
Perforations	10.00			4375.00	
Bullnose	3.00			4378.00	14.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO box 399
Garden City KS 67846
ATTN: Jason Alm

12-20s-21w Ness,KS
Ben Hinnergardt #4
Job Ticket: 56088 **DST#: 1**
Test Start: 2014.03.10 @ 09:42:00

Mud and Cushion Information

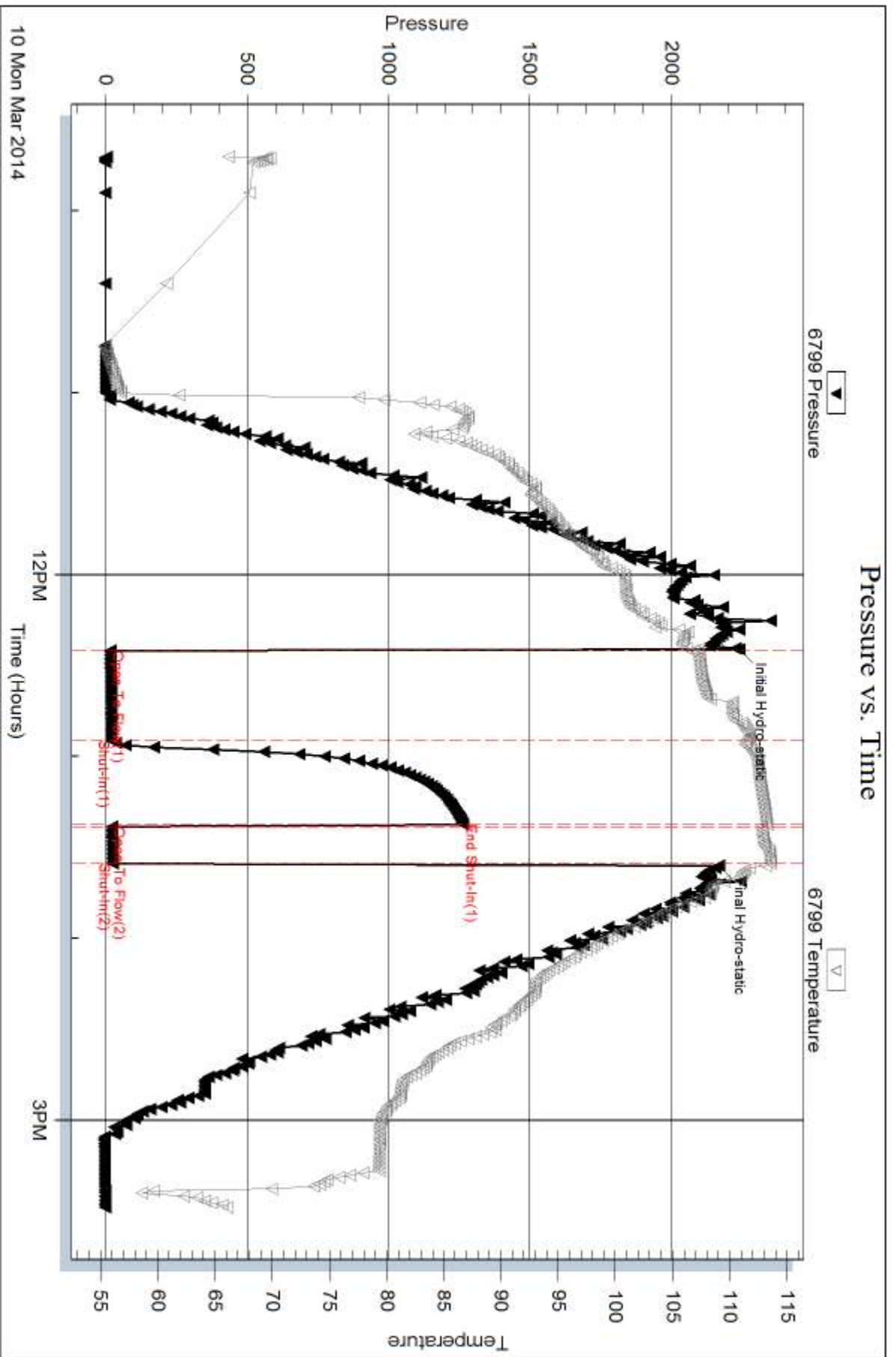
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud, with oil on top, 99%M, 1%O	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

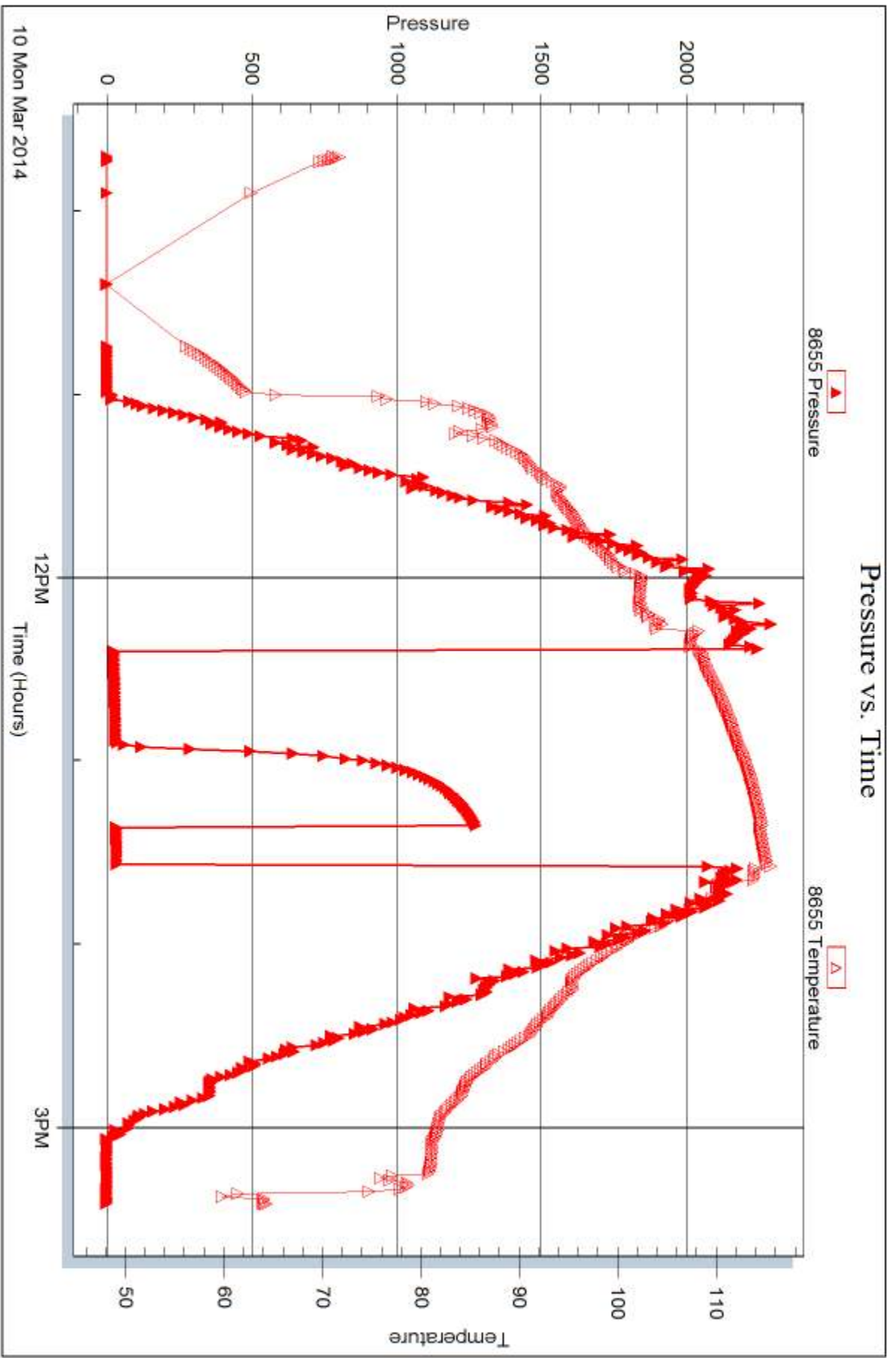


Serial #: 8655

Outside American Warrior Inc

Ben Hinnergardt #4

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 56088

Printed: 2014.03.16 @ 11:59:05



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #4

12-20s-21w Ness,KS

Start Date: 2014.03.10 @ 19:56:00

End Date: 2014.03.11 @ 04:12:45

Job Ticket #: 56089 DST #: 2

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

Printed: 2014.03.16 @ 11:58:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO box 399
Garden City KS 67846
ATTN: Jason Alm

12-20s-21w Ness,KS
Ben Hinnergardt #4
Job Ticket: 56089 **DST#: 2**
Test Start: 2014.03.10 @ 19:56:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:52:00
Time Test Ended: 04:12:45
Interval: **4375.00 ft (KB) To 4385.00 ft (KB) (TVD)**
Total Depth: 4385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2240.00 ft (KB)
2234.00 ft (CF)
KB to GR/CF: 6.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 73

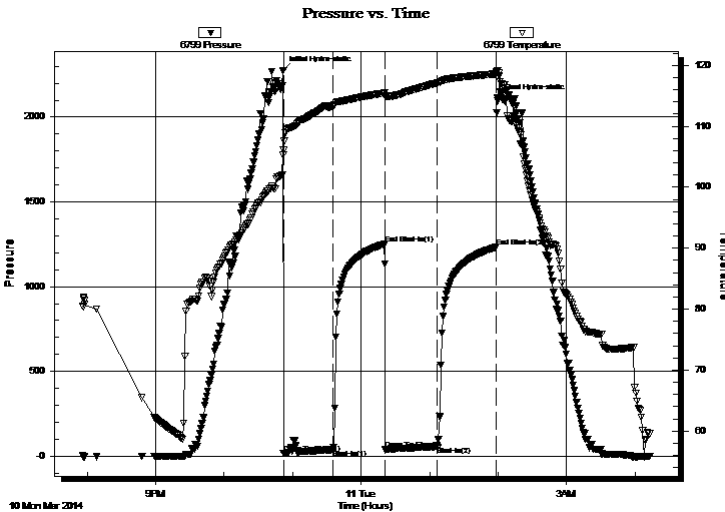
Serial #: 6799

Inside

Press@RunDepth: 56.93 psig @ 4376.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.10 End Date: 2014.03.11 Last Calib.: 2014.03.11
Start Time: 19:56:05 End Time: 04:12:44 Time On Btm: 2014.03.10 @ 22:51:45
Time Off Btm: 2014.03.11 @ 01:59:00

TEST COMMENT: 45 - IF- 1 3/4" blow
45 - -ISL- surface return
45 - FF- 1/2" blow
45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.67	105.34	Initial Hydro-static
1	15.71	106.05	Open To Flow (1)
44	38.67	113.33	Shut-In(1)
89	1251.65	115.44	End Shut-In(1)
90	39.87	115.04	Open To Flow (2)
135	56.93	117.07	Shut-In(2)
187	1234.29	118.60	End Shut-In(2)
188	2111.49	118.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	OCWM, 10%O, 20%W, 70%M	0.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

American Warrior Inc
PO box 399
Garden City KS 67846
ATTN: Jason Alm

12-20s-21w Ness, KS
Ben Hinnergardt #4
Job Ticket: 56089 **DST#: 2**
Test Start: 2014.03.10 @ 19:56:00

GENERAL INFORMATION:

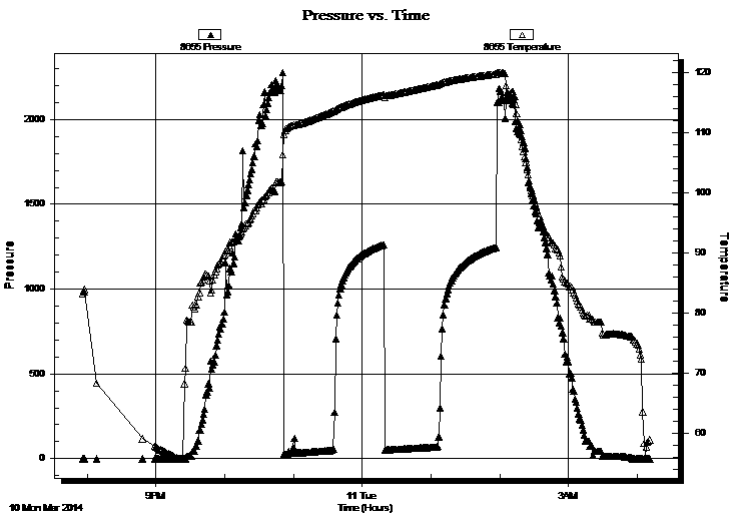
Formation: Mississippi		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 22:52:00		Tester: Cody Bloedorn
Time Test Ended: 04:12:45		Unit No: 73
Interval: 4375.00 ft (KB) To 4385.00 ft (KB) (TVD)		Reference Elevations: 2240.00 ft (KB)
Total Depth: 4385.00 ft (KB) (TVD)		2234.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 6.00 ft

Serial #: 8655 Outside

Press@RunDepth: psig @ 4376.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2014.03.10 End Date: 2014.03.11	Last Calib.: 2014.03.11
Start Time: 19:56:05 End Time: 04:10:59	Time On Btm:
	Time Off Btm:

TEST COMMENT: 45 - IF- 1 3/4" blow
45 - -ISL- surface return
45 - FF- 1/2" blow
45 - FS- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
93.00	OCWM, 10%O, 20%W, 70%M	0.46

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: Jason Alm

12-20s-21w Ness,KS
Ben Hinnergardt #4
Job Ticket: 56089 **DST#: 2**
Test Start: 2014.03.10 @ 19:56:00

Tool Information

Drill Pipe:	Length: 4249.00 ft	Diameter: 3.80 inches	Volume: 59.60 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 60.19 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4375.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	39.00 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			4347.00	
Shut In Tool	5.00			4352.00	
Hydraulic tool	5.00			4357.00	
Jars	5.00			4362.00	
Safety Joint	3.00			4365.00	
Packer	5.00			4370.00	29.00 Bottom Of Top Packer
Packer	5.00			4375.00	
Stubb	1.00			4376.00	
Recorder	0.00	6799	Inside	4376.00	
Recorder	0.00	8655	Outside	4376.00	
Perforations	6.00			4382.00	
Bullnose	3.00			4385.00	10.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO box 399
Garden City KS 67846
ATTN: Jason Alm

12-20s-21w Ness,KS
Ben Hinnergardt #4
Job Ticket: 56089 **DST#: 2**
Test Start: 2014.03.10 @ 19:56:00

Mud and Cushion Information

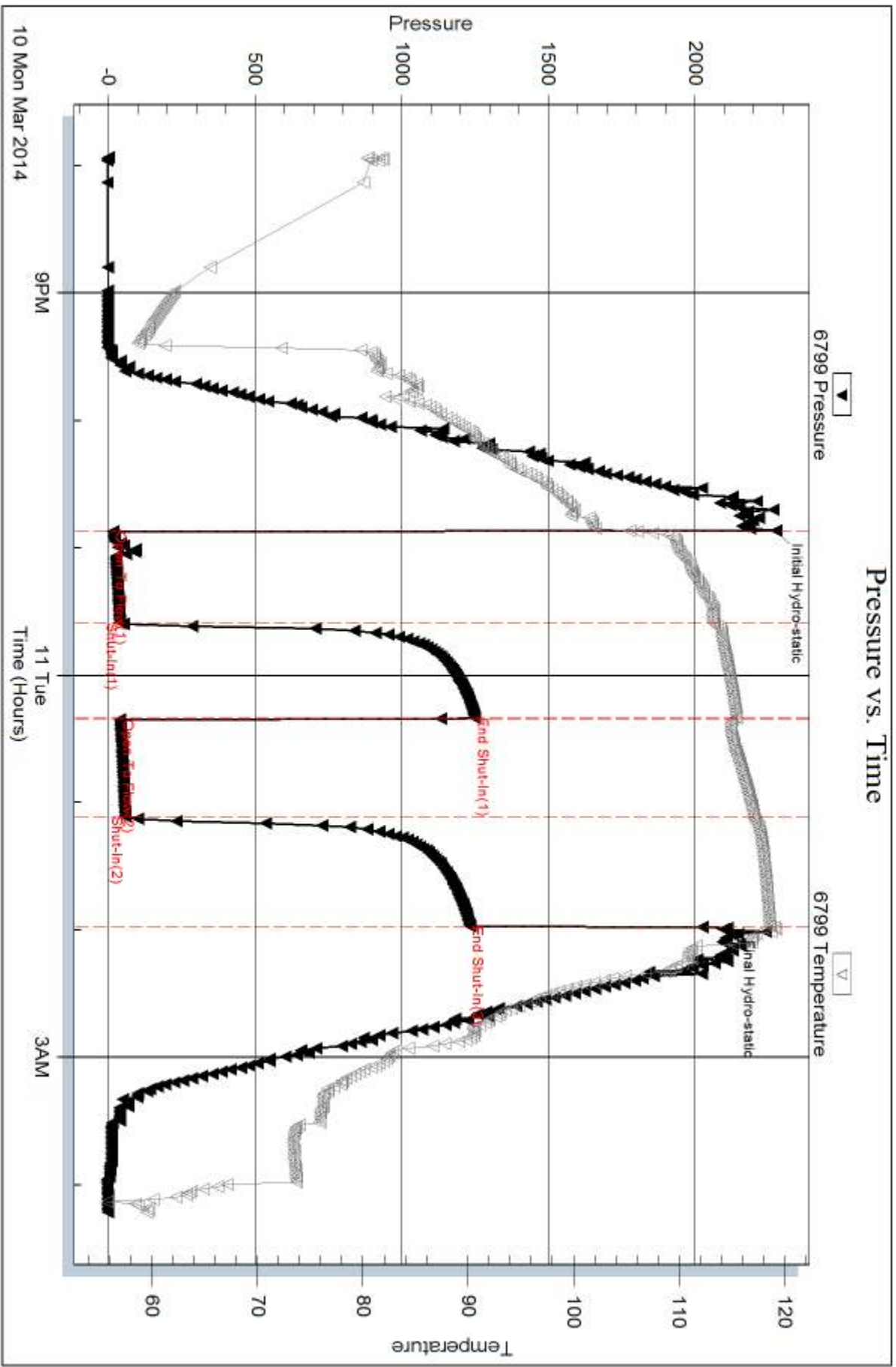
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	OCWM, 10%O, 20%W, 70%M	0.457

Total Length: 93.00 ft Total Volume: 0.457 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

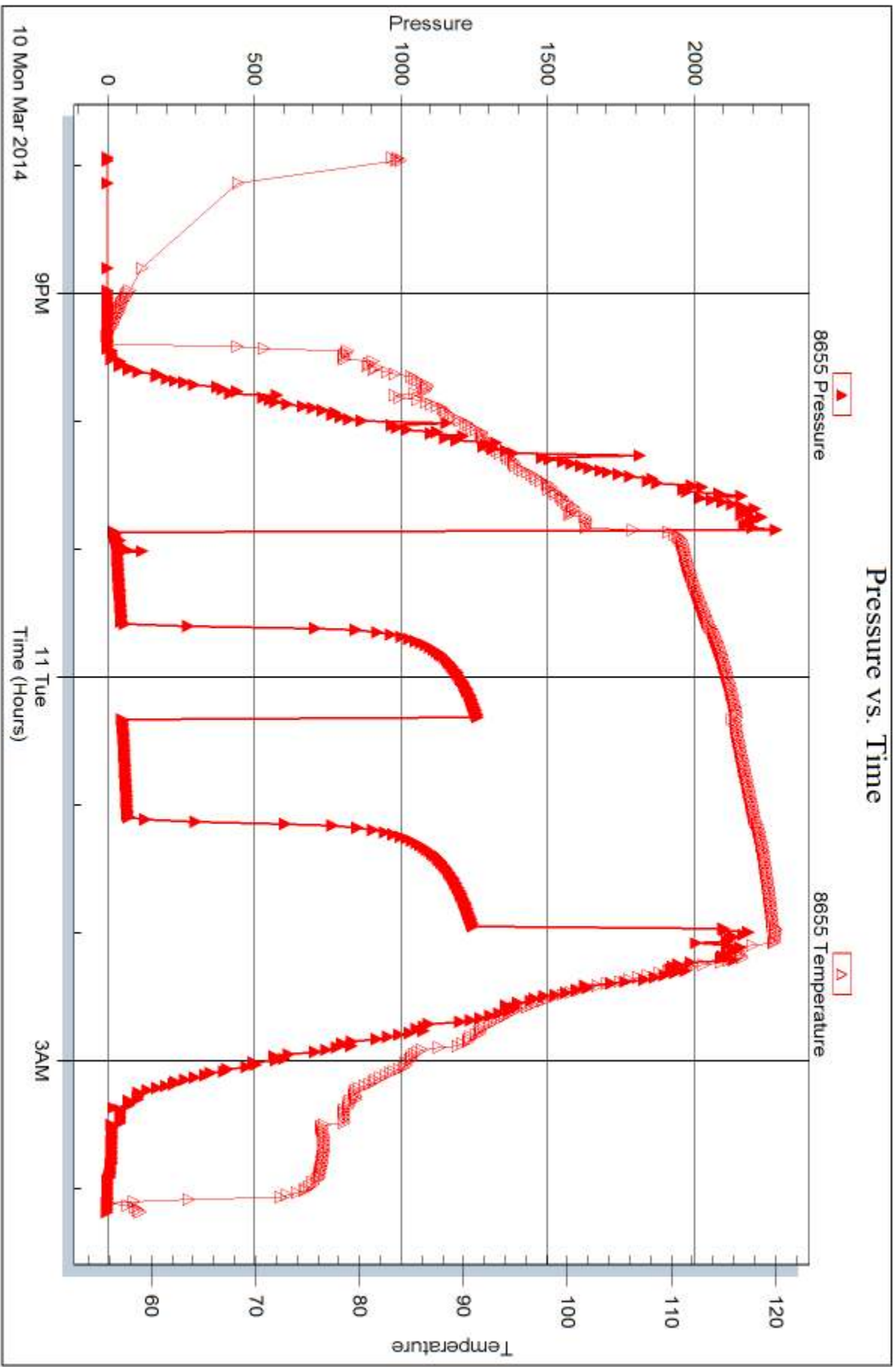


Serial #: 8655

Outside American Warrior Inc

Ben Hinnergardt #4

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 56089

Printed: 2014.03.16 @ 11:58:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56088

Well Name & No. Ben Hinnergardt #4 Test No. 1 Date 3-10-14
 Company American Warrior Inc Elevation 2240 KB 2234 GL
 Address 3118 Cummings Rd, Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Petromark
 Location: Sec. 12 Twp. 20s Rge. 21w Co. _____ State KS

Interval Tested 4364-4378 Zone Tested Mississippi
 Anchor Length 14' Drill Pipe Run 4218' Mud Wt. 9.4
 Top Packer Depth 4358 Drill Collars Run 120' Vis 54
 Bottom Packer Depth 4364 Wt. Pipe Run — WL 8.0
 Total Depth 4378 Chlorides 7,400 ppm System LCM —
 Blow Description IF - 1/4" blow
ISI - No return
FF - Weak surface blow
FSI -

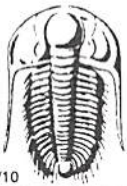
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud with oil on top</u>	<u>1</u>		<u>99</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30' BHT 113° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2241</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0911</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0942</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1226</u>
(D) Initial Shut-In <u>1264</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>135.46</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1529</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> <u>RT</u> <u>186</u>	Comments _____
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2168</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>1761</u>
Final Shut-In <u>Pull</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1761</u>	

Approved By _____ Our Representative Cody Bledson

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. 56089

4/10

Well Name & No. Ben Hinnergardt #4 Test No. 2 Date 3-10-14
 Company American Warrior INC Elevation 2240 KB 2234 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 12 Twp. 20s Rge. 21w Co. Ness State KS

Interval Tested 4375-4385 Zone Tested Mississippi
 Anchor Length 10' Drill Pipe Run 4249' Mud Wt. 9.4
 Top Packer Depth 4370 Drill Collars Run 120' Vis 54
 Bottom Packer Depth 4375 Wt. Pipe Run — WL 8:0
 Total Depth 4385 Chlorides 7,400 ppm System LCM —
 Blow Description IF - 1 3/4" blow
ISI - Surface return
FF - 1/2" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>800W</u>	<u>10</u>	<u>20</u>	<u>70</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 93' BHT — Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2275</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1934</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1956</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2252</u>
(D) Initial Shut-In <u>1251</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>0152</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>0413</u>
(F) Second Final Flow <u>56</u>	<input checked="" type="checkbox"/> Mileage <u>120RT</u> <u>186</u>	Comments <u>—</u>
(G) Final Shut-In <u>1234</u>	<input type="checkbox"/> Sampler <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
(H) Final Hydrostatic <u>2111</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u>—</u>	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Total <u>1761</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby <u>—</u>	MP/DST Disc't <u>—</u>
	<input type="checkbox"/> Accessibility <u>—</u>	
	Sub Total <u>1761</u>	

Approved By _____

Our Representative Cody Blair

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.