



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City KS 67846

ATTN: Wyatt Urban

**Hoffman #8-2**

**2-17s-12w Barton,KS**

Start Date: 2013.12.15 @ 19:13:09

End Date: 2013.12.16 @ 01:41:09

Job Ticket #: 56026                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.19 @ 09:14:51



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
PO Box 399  
Garden City KS 67846  
ATTN: Wyatt Urban

**2-17s-12w Barton,KS**

**Hoffman #8-2**

Job Ticket: 56026

**DST#: 1**

Test Start: 2013.12.15 @ 19:13:09

## GENERAL INFORMATION:

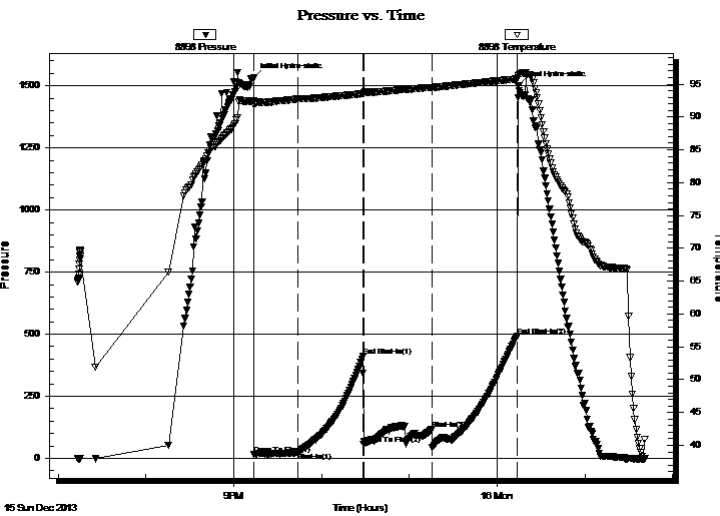
Formation: **LKC A-C**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:13:49  
 Time Test Ended: 01:41:09  
 Interval: **3060.00 ft (KB) To 3115.00 ft (KB) (TVD)**  
 Total Depth: 3115.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Tate Lang  
 Unit No: 49  
 Reference Elevations: 1891.00 ft (KB)  
 1883.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8898

**Outside**

Press@RunDepth: 117.61 psig @ 3097.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.15 End Date: 2013.12.16 Last Calib.: 2013.12.16  
 Start Time: 19:13:10 End Time: 01:41:09 Time On Btm: 2013.12.15 @ 21:13:29  
 Time Off Btm: 2013.12.16 @ 00:14:39

**TEST COMMENT:** Good surface blow built to 7 1/2"  
 Dead no blow back  
 B.O.B. In 30 mins  
 Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.79	92.39	Initial Hydro-static
1	16.59	91.86	Open To Flow (1)
31	24.69	92.77	Shut-In(1)
75	409.90	93.54	End Shut-In(1)
76	55.34	93.57	Open To Flow (2)
122	117.61	94.51	Shut-In(2)
180	491.24	95.77	End Shut-In(2)
182	1500.75	96.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	30%G 40%O 20%W 10%M	0.14
40.00	3%G 2%O 95%M	0.56
0.00	260 GIP	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

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 PO Box 399  
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 ATTN: Wyatt Urban

2-17s-12w Barton, KS

**Hoffman #8-2**

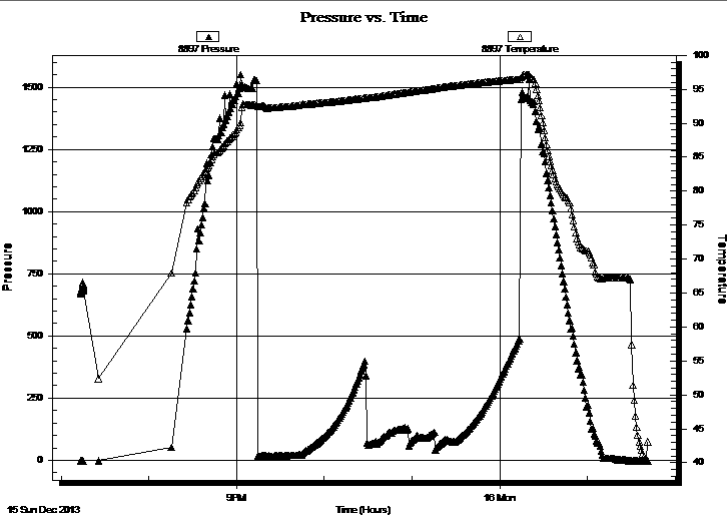
Job Ticket: 56026 **DST#: 1**  
 Test Start: 2013.12.15 @ 19:13:09

## GENERAL INFORMATION:

Formation: **LKC A-C**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:13:49  
 Time Test Ended: 01:41:09  
 Interval: **3060.00 ft (KB) To 3115.00 ft (KB) (TVD)**  
 Total Depth: 3115.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Tate Lang  
 Unit No: 49  
 Reference Elevations: 1891.00 ft (KB)  
 1883.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8897 Inside**  
 Press@RunDepth: psig @ 3097.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.15 End Date: 2013.12.16 Last Calib.: 2013.12.16  
 Start Time: 19:13:21 End Time: 01:41:20 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** Good surface blow built to 7 1/2"  
 Dead no blow back  
 B.O.B. In 30 mins  
 Dead no blow back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	30%G 40%O 20%W 10%M	0.14
40.00	3%G 2%O 95%M	0.56
0.00	260 GIP	0.00

## 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: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56026 **DST#: 1**  
Test Start: 2013.12.15 @ 19:13:09

**Tool Information**

Drill Pipe:	Length: 3059.00 ft	Diameter: 3.80 inches	Volume: 42.91 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 42.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3060.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3038.00	
Hydraulic tool	5.00			3043.00	
Jars	5.00			3048.00	
Safety Joint	2.00			3050.00	
Packer	5.00			3055.00	27.00 Bottom Of Top Packer
Packer	5.00			3060.00	
Stubb	1.00			3061.00	
Perforations	3.00			3064.00	
Change Over Sub	1.00			3065.00	
Drill Pipe	31.00			3096.00	
Change Over Sub	1.00			3097.00	
Recorder	0.00	8897	Inside	3097.00	
Recorder	0.00	8898	Outside	3097.00	
Perforations	15.00			3112.00	
Bullnose	3.00			3115.00	55.00 Bottom Packers & Anchor

**Total Tool Length: 82.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
PO Box 399  
Garden City KS 67846  
ATTN: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56026      **DST#: 1**  
Test Start: 2013.12.15 @ 19:13:09

## Mud and Cushion Information

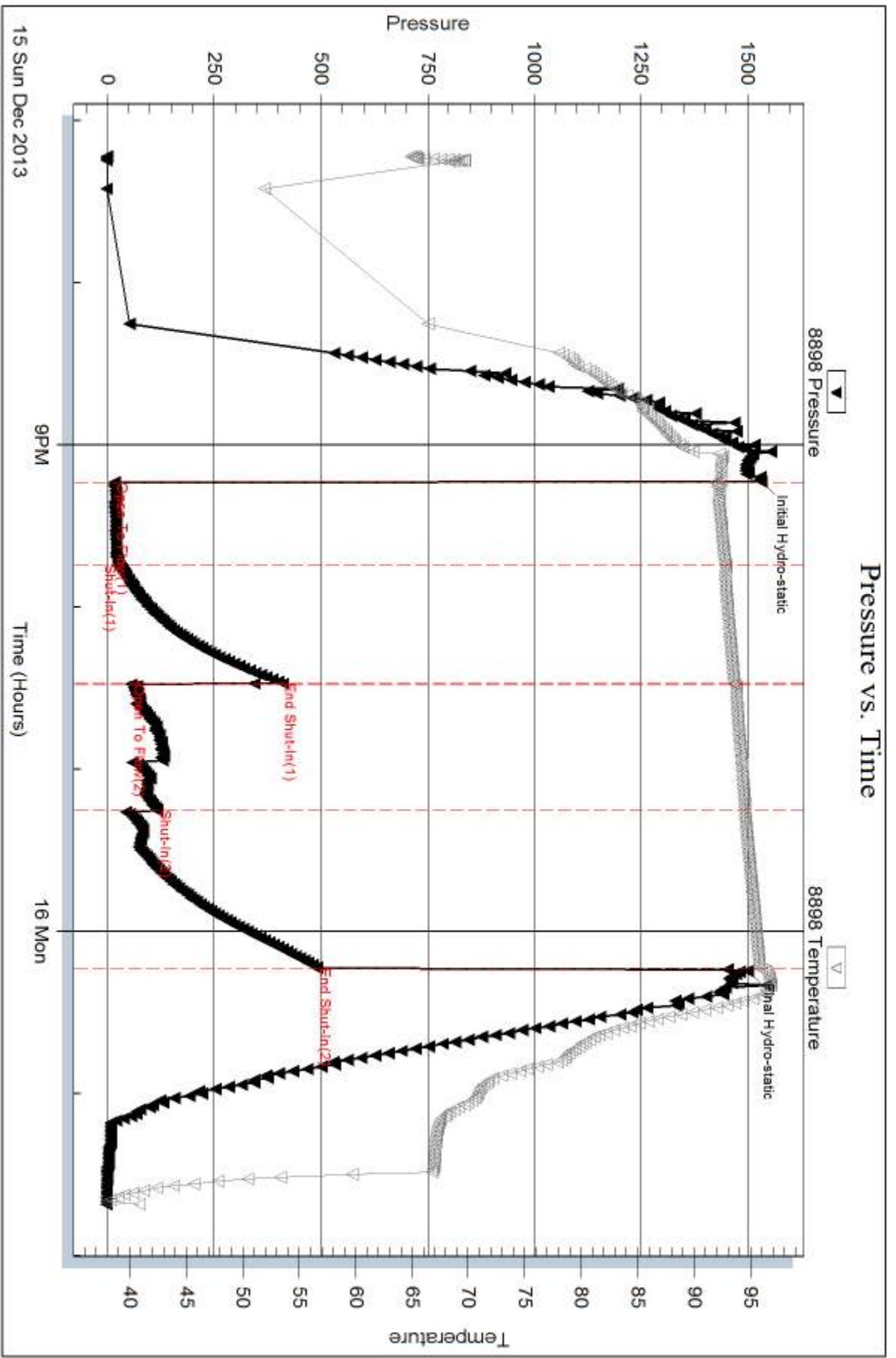
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	30%G 40%O 20%W 10%M	0.140
40.00	3%G 2%O 95%M	0.561
0.00	260 GIP	0.000

Total Length: 50.00 ft      Total Volume: 0.701 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



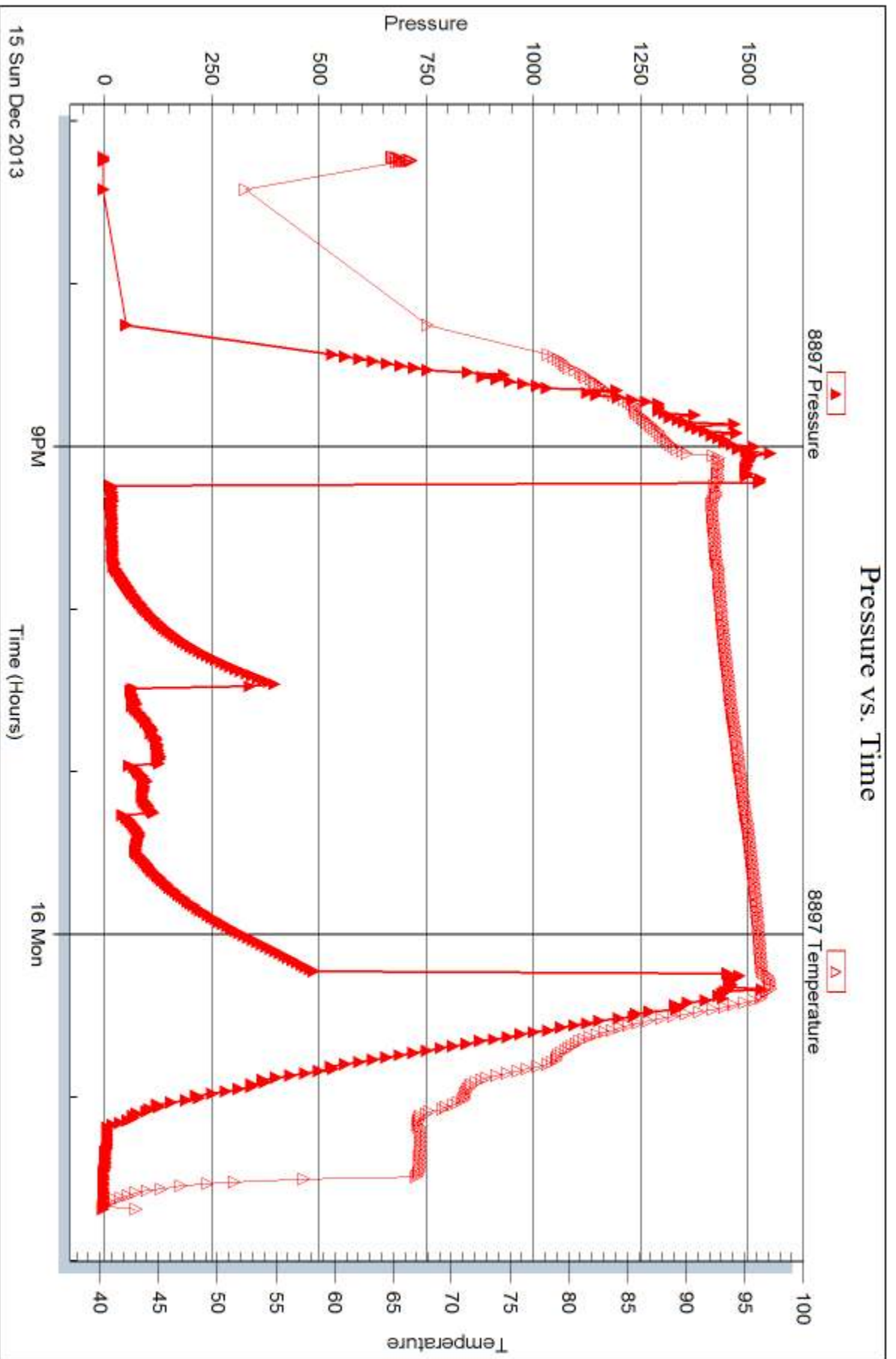
Serial #: 8897

Inside

American Warrior Inc

Hoffman #8-2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56026

Printed: 2013.12.19 @ 09:14:54



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City KS 67846

ATTN: Wyatt Urban

**Hoffman #8-2**

**2-17s-12w Barton,KS**

Start Date: 2013.12.16 @ 10:14:57

End Date: 2013.12.16 @ 16:12:27

Job Ticket #: 56027                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.19 @ 09:14:13





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
 Job Ticket: 56027 **DST#: 2**  
 Test Start: 2013.12.16 @ 10:14:57

## GENERAL INFORMATION:

Formation: **LKC D-Upper G**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:53:27  
 Time Test Ended: 16:12:27  
 Interval: **3124.00 ft (KB) To 3159.00 ft (KB) (TVD)**  
 Total Depth: 3159.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Tate Lang  
 Unit No: 49  
 Reference Elevations: 1891.00 ft (KB)  
 1883.00 ft (CF)  
 KB to GR/CF: 8.00 ft

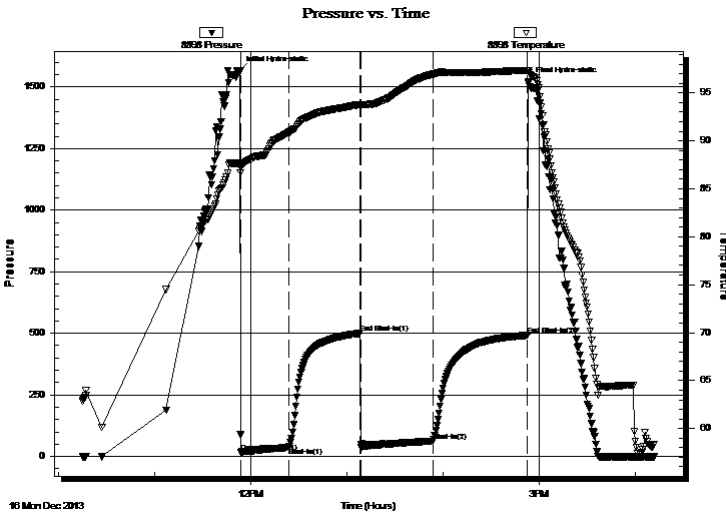
## Serial #: 8898

**Outside**

Press@RunDepth: 63.03 psig @ 3131.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.16 End Date: 2013.12.16 Last Calib.: 2013.12.16  
 Start Time: 10:14:58 End Time: 16:12:27 Time On Btm: 2013.12.16 @ 11:53:07  
 Time Off Btm: 2013.12.16 @ 14:53:27

TEST COMMENT: B.O.B. In 15 mins  
 Dead no blow back  
 B.O.B. In 17 mins  
 Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.86	87.71	Initial Hydro-static
1	16.92	87.19	Open To Flow (1)
31	37.01	90.88	Shut-In(1)
75	499.96	93.79	End Shut-In(1)
76	37.66	93.72	Open To Flow (2)
121	63.03	96.93	Shut-In(2)
180	492.09	97.35	End Shut-In(2)
181	1521.74	97.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	5%O 95%M	0.56
60.00	60%W 40%M	0.84
0.00	260 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



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American Warrior Inc  
PO Box 399  
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ATTN: Wyatt Urban

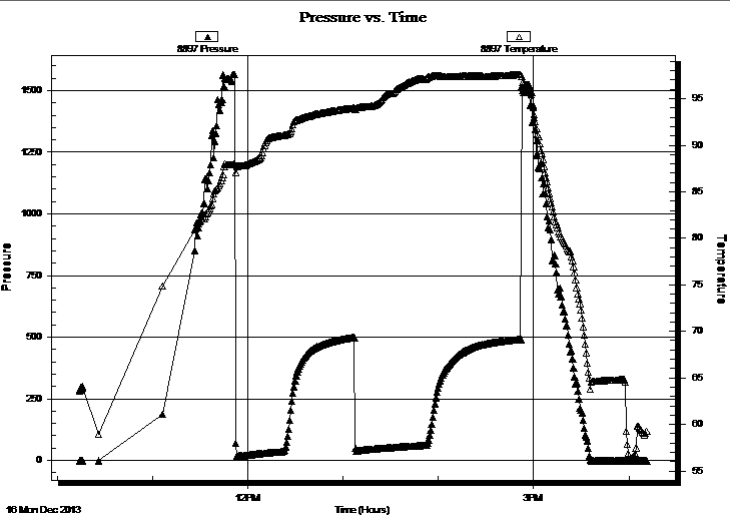
**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56027      **DST#: 2**  
Test Start: 2013.12.16 @ 10:14:57

## GENERAL INFORMATION:

Formation: **LKC D-Upper G**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 11:53:27  
Time Test Ended: 16:12:27  
Interval: **3124.00 ft (KB) To 3159.00 ft (KB) (TVD)**  
Total Depth: 3159.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Tate Lang  
Unit No: 49  
Reference Elevations: 1891.00 ft (KB)  
1883.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8897**      **Inside**  
Press@RunDepth:      psig @ 3131.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.12.16      End Date: 2013.12.16      Last Calib.: 2013.12.16  
Start Time: 10:14:08      End Time: 16:11:37      Time On Btm:  
Time Off Btm:

TEST COMMENT: B.O.B. In 15 mins  
Dead no blow back  
B.O.B. In 17 mins  
Dead no blow back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	5%O 95%M	0.56
60.00	60%W 40%M	0.84
0.00	260 GIP	0.00

## 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: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56027      **DST#: 2**  
Test Start: 2013.12.16 @ 10:14:57

**Tool Information**

Drill Pipe:	Length: 3126.00 ft	Diameter: 3.80 inches	Volume: 43.85 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 43.85 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3124.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

**Tool Description      Length (ft)   Serial No.   Position   Depth (ft)   Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3109.00	
Hydraulic tool	5.00			3114.00	
Packer	5.00			3119.00	20.00      Bottom Of Top Packer
Packer	5.00			3124.00	
Stubb	1.00			3125.00	
Perforations	6.00			3131.00	
Recorder	0.00	8897	Inside	3131.00	
Recorder	0.00	8898	Outside	3131.00	
Perforations	25.00			3156.00	
Bullnose	3.00			3159.00	35.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>55.00</b>				



**TRILOBITE  
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
PO Box 399  
Garden City KS 67846  
ATTN: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56027      **DST#: 2**  
Test Start: 2013.12.16 @ 10:14:57

## Mud and Cushion Information

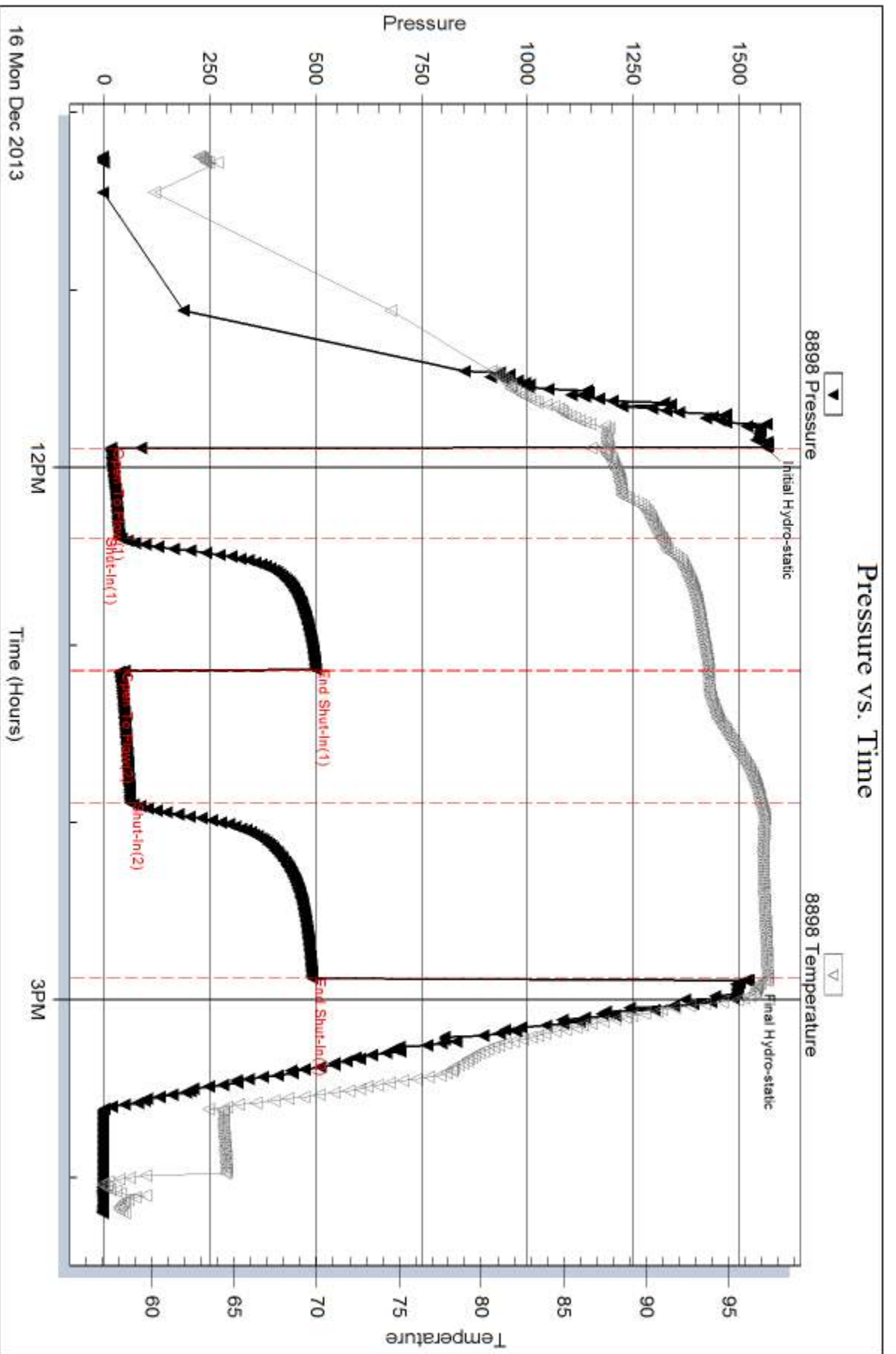
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	5%O 95%M	0.561
60.00	60%W 40%M	0.842
0.00	260 GIP	0.000

Total Length: 100.00 ft      Total Volume: 1.403 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



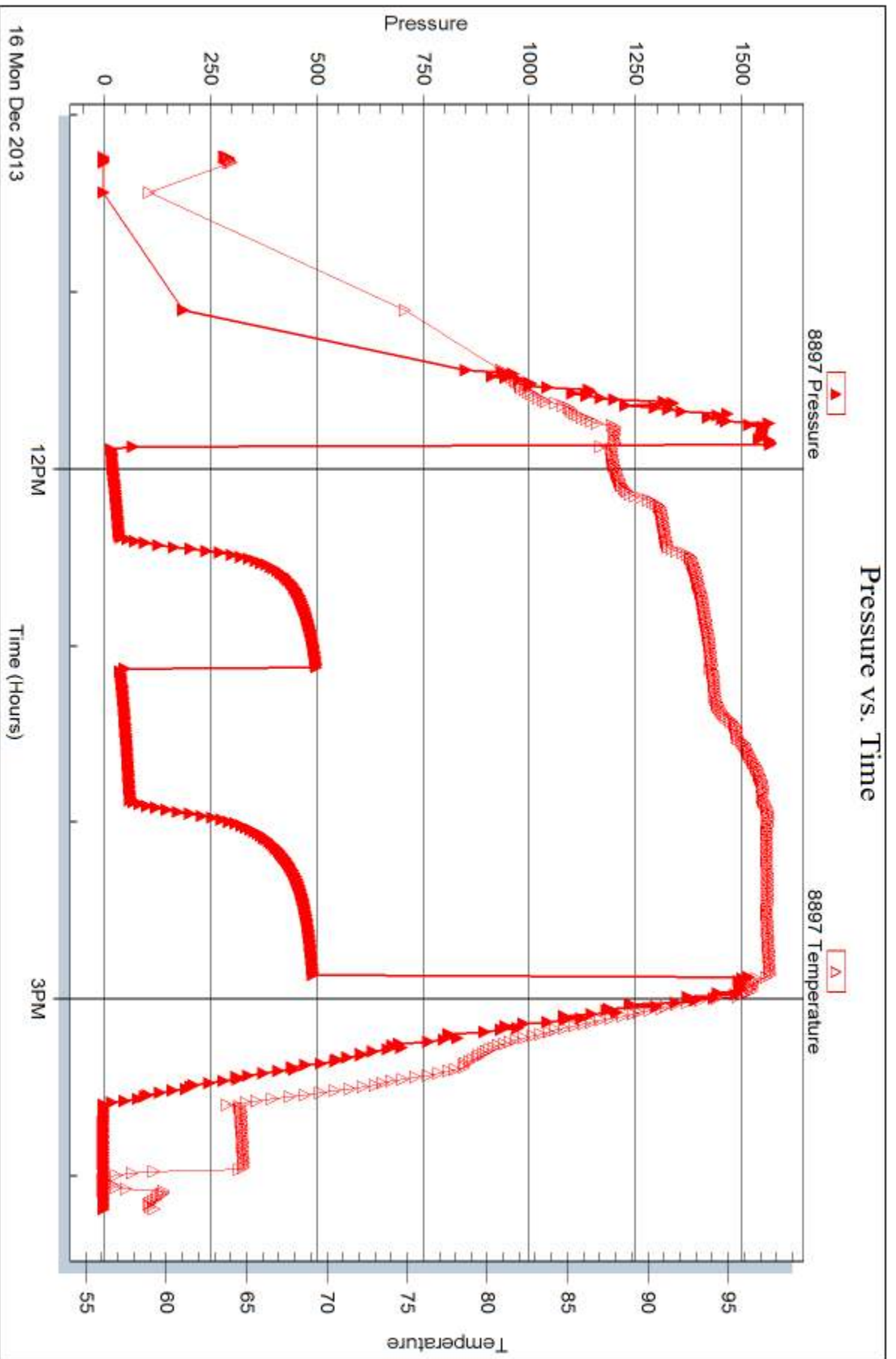
Serial #: 8897

Inside

American Warrior Inc

Hoffman #8-2

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 56027

Printed: 2013.12.19 @ 09:14:15



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City KS 67846

ATTN: Wyatt Urban

**Hoffman #8-2**

**2-17s-12w Barton,KS**

Start Date: 2013.12.17 @ 09:11:04

End Date: 2013.12.17 @ 14:59:24

Job Ticket #: 56028                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.19 @ 08:55:35



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
PO Box 399  
Garden City KS 67846  
ATTN: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56028 **DST#: 3**  
Test Start: 2013.12.17 @ 09:11:04

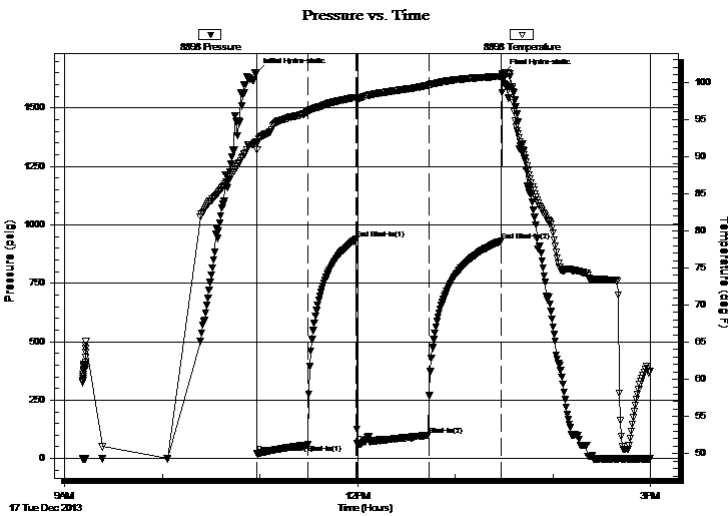
## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:58:14  
Time Test Ended: 14:59:24  
Interval: **3311.00 ft (KB) To 3349.00 ft (KB) (TVD)**  
Total Depth: 3349.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Tate Lang  
Unit No: 49  
Reference Elevations: 1891.00 ft (KB)  
1883.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8898 Outside**  
Press@RunDepth: 99.87 psig @ 3318.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.17 End Date: 2013.12.17 Last Calib.: 2013.12.17  
Start Time: 09:11:05 End Time: 14:59:24 Time On Btm: 2013.12.17 @ 10:58:04  
Time Off Btm: 2013.12.17 @ 13:29:13

TEST COMMENT: B.O.B. In 20 mins  
Dead no blow back  
B.O.B. In 25 mins.  
Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.49	91.98	Initial Hydro-static
1	20.99	90.96	Open To Flow (1)
32	58.51	96.06	Shut-In(1)
61	937.74	97.95	End Shut-In(1)
62	63.12	97.72	Open To Flow (2)
106	99.87	99.60	Shut-In(2)
150	930.17	100.80	End Shut-In(2)
152	1646.05	101.00	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	20%G 80%O	0.42
120.00	5%G 65%O 30%M	1.68
60.00	5%G 45%O 50%M	0.84
0.00	90 GIP	0.00

\* Recovery from multiple tests

## 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: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
 Job Ticket: 56028 **DST#: 3**  
 Test Start: 2013.12.17 @ 09:11:04

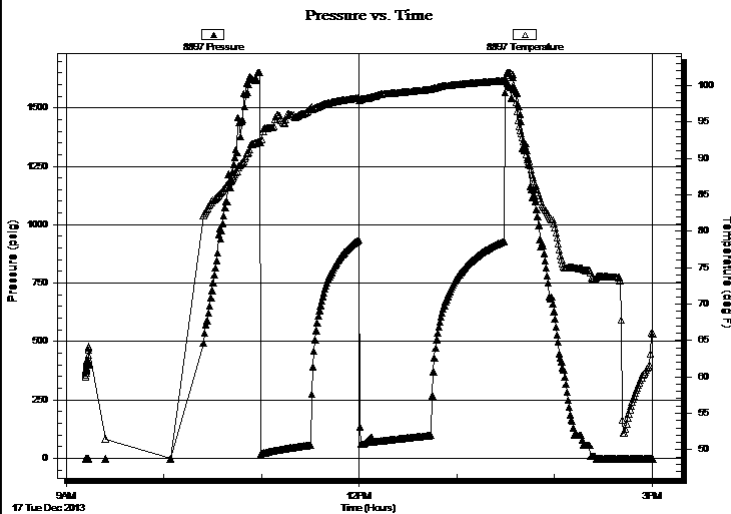
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 10:58:14 Tester: Tate Lang  
 Time Test Ended: 14:59:24 Unit No: 49  
 Interval: **3311.00 ft (KB) To 3349.00 ft (KB) (TVD)** Reference Elevations: 1891.00 ft (KB)  
 Total Depth: 3349.00 ft (KB) (TVD) 1883.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

**Serial #: 8897 Inside**  
 Press@RunDepth: psig @ 3318.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.17 End Date: 2013.12.17 Last Calib.: 1899.12.30  
 Start Time: 09:11:52 End Time: 15:00:11 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** B.O.B. In 20 mins  
 Dead no blow back  
 B.O.B. In 25 mins.  
 Dead no blow back

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	20%G 80%O	0.42
120.00	5%G 65%O 30%M	1.68
60.00	5%G 45%O 50%M	0.84
0.00	90 GIP	0.00

\* 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  
PO Box 399  
Garden City KS 67846  
ATTN: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56028      **DST#: 3**  
Test Start: 2013.12.17 @ 09:11:04

**Tool Information**

Drill Pipe:	Length: 3315.00 ft	Diameter: 3.80 inches	Volume: 46.50 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:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	38000.00 lb
			<u>Total Volume: 46.50 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3311.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

**Tool Description      Length (ft)   Serial No.   Position   Depth (ft)   Accum. Lengths**

Shut In Tool	5.00			3296.00	
Hydraulic tool	5.00			3301.00	
Packer	5.00			3306.00	20.00      Bottom Of Top Packer
Packer	5.00			3311.00	
Stubb	1.00			3312.00	
Perforations	6.00			3318.00	
Recorder	0.00	8897	Inside	3318.00	
Recorder	0.00	8898	Outside	3318.00	
Perforations	28.00			3346.00	
Bullnose	3.00			3349.00	38.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>58.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
PO Box 399  
Garden City KS 67846  
ATTN: Wyatt Urban

**2-17s-12w Barton,KS**  
**Hoffman #8-2**  
Job Ticket: 56028      **DST#: 3**  
Test Start: 2013.12.17 @ 09:11:04

## 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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 1.00 inches			

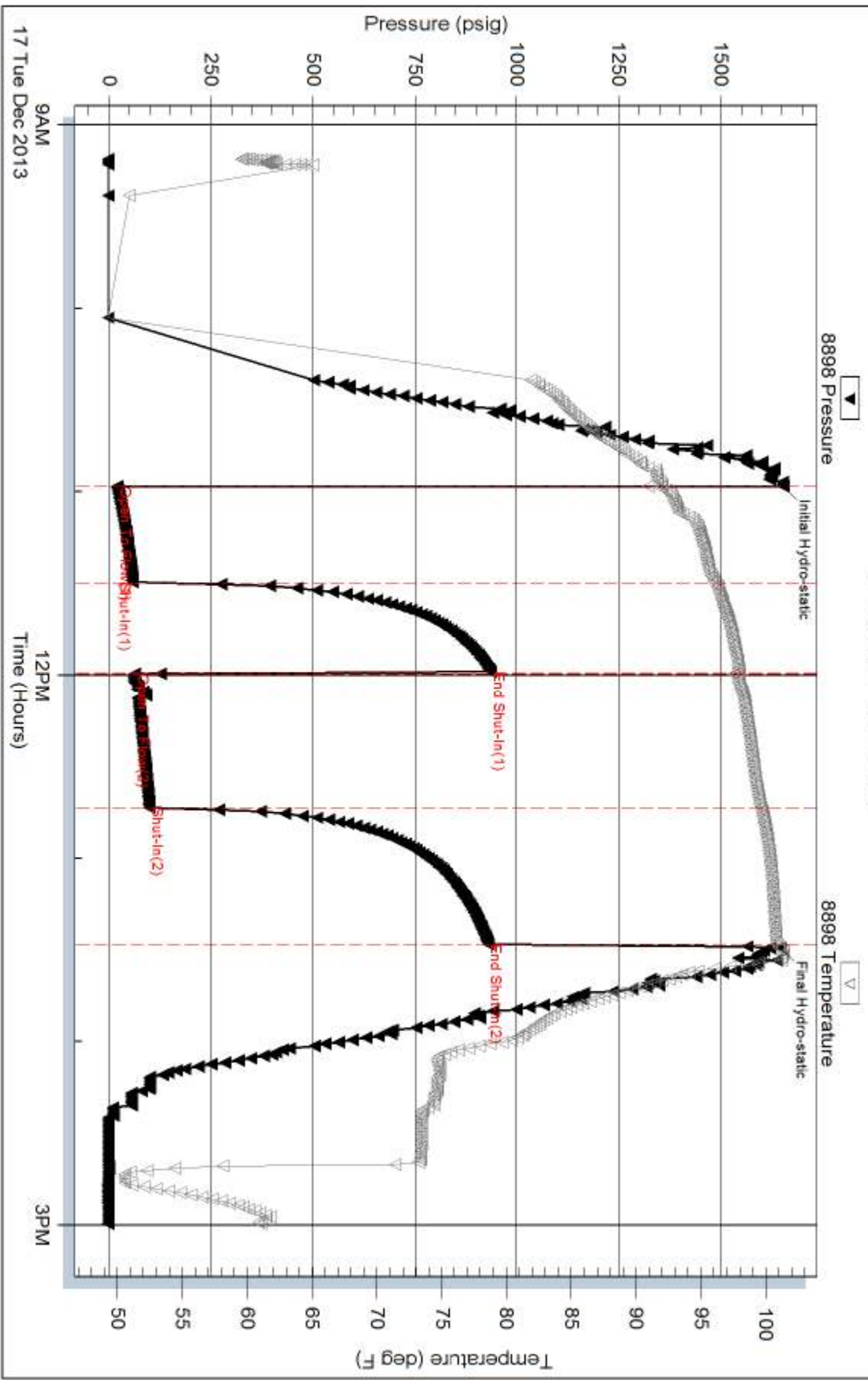
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	20%G 80%O	0.421
120.00	5%G 65%O 30%M	1.683
60.00	5%G 45%O 50%M	0.842
0.00	90 GIP	0.000

Total Length: 210.00 ft      Total Volume: 2.946 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time



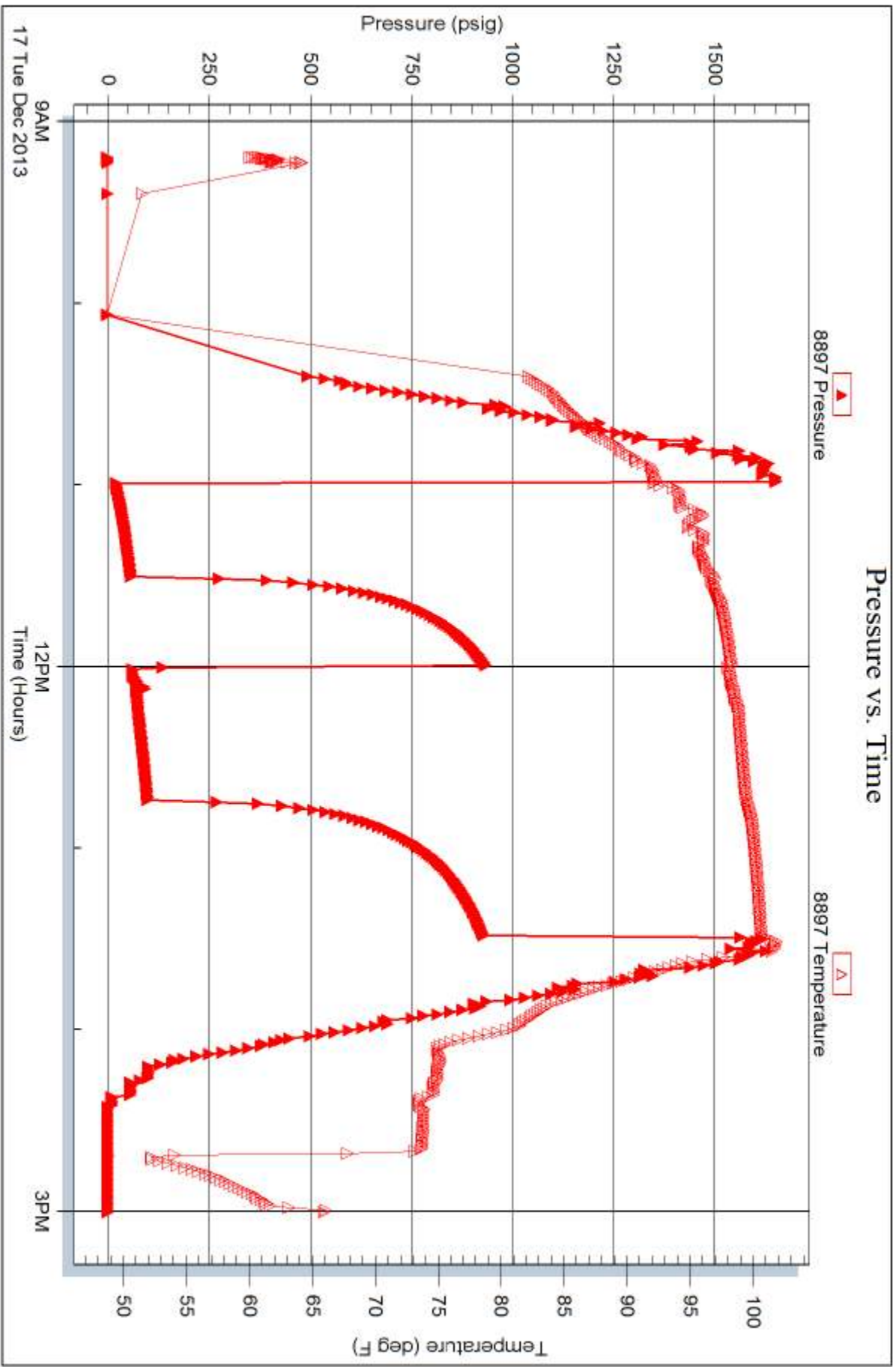
Serial #: 8897

Inside

American Warrior Inc

Hoffman #8-2

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 56028

Printed: 2013.12.19 @ 08:55:38



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56026

4/10

Well Name & No. Hoffman #8-2 Test No. 1 Date 12-15-13  
 Company American Warrior INC Elevation 1891 KB 1883 GL  
 Address 3118 Cummings Rd Garden City MS 67846  
 Co. Rep / Geo. Wyatt Urban Rig Pulle #8  
 Location: Sec. 2 Twp. 17 Rge. 12 Co. Barton State MS

Interval Tested 3060 315 Zone Tested Ln A-C  
 Anchor Length 55 Drill Pipe Run 3059 Mud Wt. 9.1  
 Top Packer Depth 3056 Drill Collars Run 0 Vis 5  
 Bottom Packer Depth 3060 Wt. Pipe Run 0 WL 8.0  
 Total Depth 315 Chlorides 0 ppm System LCM 5200

Blow Description Good surface blow built to 7 1/2 in  
Dead no blow back  
B.O. Bi In 30min  
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>MWCGHO</u>	<u>30</u>	<u>40</u>	<u>30</u>	<u>10</u>
Rec <u>40</u>	Feet of <u>VSGOCM</u>	<u>3</u>	<u>2</u>		<u>95</u>
Rec <u>0</u>	Feet of <u>260 GIP 100</u>				

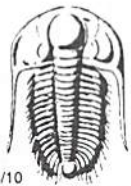
Rec Total 50 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1532  Test 1150 T-On Location 18:30  
 (B) First Initial Flow 17  Jars 250 T-Started 19:13  
 (C) First Final Flow 25  Safety Joint 75 T-Open 21:14  
 (D) Initial Shut-In 410  Circ Sub \_\_\_\_\_ T-Pulled 00:14 (12-16-13)  
 (E) Second Initial Flow 55  Hourly Standby \_\_\_\_\_ T-Out 09:41  
 (F) Second Final Flow 118  Mileage 166 R/H 179.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 491  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1501  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60

Sub Total 1654.80  
 Total 1654.80  
 MP/DST Disc't \_\_\_\_\_

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. 56027

Well Name & No. Hoffman #8-2 Test No. 2 Date 12/16-13  
 Company American Warrior INC Elevation 1891 KB 1883 GL  
 Address 318 Cummings Rd Gardner City KS 67846  
 Co. Rep / Geo. Wyatt Urban Rig DuMe #8  
 Location: Sec. 2 Twp. 17 Rge. 12 Co. Barton State KS

Interval Tested 3/24 3159 Zone Tested Lens D-1G  
 Anchor Length 35 Drill Pipe Run 3120 Mud Wt. 9.1  
 Top Packer Depth 3120 Drill Collars Run 0 Vis 53  
 Bottom Packer Depth 3124 Wt. Pipe Run 0 WL 8.0  
 Total Depth \_\_\_\_\_ Chlorides 6900 ppm System LCM 0

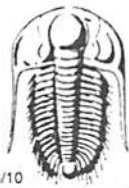
Blow Description B.O.B. In 15 mins.  
Dead no blow back  
B.O.B. In 17 mins  
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>40</u>	Feet of <u>SOCM</u>	%gas <u>5</u>	%oil	%water <u>95</u>	%mud
Rec <u>60</u>	Feet of <u>MCW</u>	%gas	%oil <u>60</u>	%water <u>40</u>	%mud
Rec <u>0</u>	Feet of <u>2160 GIP</u>	%gas	%oil	%water	%mud

Rec Total 100 BHT 97 Gravity \_\_\_\_\_ API RW 323 @ 56 °F Chlorides 26500 ppm  
 (A) Initial Hydrostatic 1565  Test 1150 T-On Location 09:25  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 10:14  
 (C) First Final Flow 37  Safety Joint \_\_\_\_\_ T-Open 11:53  
 (D) Initial Shut-In 500  Circ Sub \_\_\_\_\_ T-Pulled 14:53  
 (E) Second Initial Flow 38  Hourly Standby \_\_\_\_\_ T-Out 16:12  
 (F) Second Final Flow 63  Mileage 116 R/T 179.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 492  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1522  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Total 1329.80  
 Sub Total 1329.80  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

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. **56028**

4/10

Well Name & No. Hoffman #8-2 Test No. 3 Date 12-17-13  
 Company American Warrior TNC Elevation 1891 KB 183 GL  
 Address 3118 Cummins Rd Garden City KS 67846  
 Co. Rep / Geo. Wyatt Urban Rig DuMc #8  
 Location: Sec. 2 Twp. 17 Rge. 12 Co. Barton State KS

Interval Tested 33 11 3349 Zone Tested Arbuckle  
 Anchor Length 38 Drill Pipe Run 3315 Mud Wt. 9.1  
 Top Packer Depth 3307 Drill Collars Run 0 Vis 51  
 Bottom Packer Depth 3311 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3349 Chlorides 5200 ppm System LCM 3300

Blow Description B.O.B. In 20 mins  
Dead no blow back  
B.O.B. In 25 mins  
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
30	60	20	80		
120	MCGO	5	65		30
60	60 CM	5	45		50
0	90 GIP				

Rec Total 210 BHT 101 Gravity 37 API RW @      °F Chlorides      ppm  
 (A) Initial Hydrostatic 1652  Test 1150 T-On Location 08:30  
 (B) First Initial Flow 21  Jars      T-Started 09:11  
 (C) First Final Flow 59  Safety Joint      T-Open 11:00  
 (D) Initial Shut-In 939  Circ Sub      T-Pulled 13:30  
 (E) Second Initial Flow 63  Hourly Standby      T-Out 15:00  
 (F) Second Final Flow 100  Mileage 179.80 116 RH Comments Load after  
 (G) Final Shut-In 930  Sampler      Test  
 (H) Final Hydrostatic 1646  Straddle       Ruined Shale Packer       
 Shale Packer       Ruined Packer       
 Extra Packer       Extra Copies       
 Extra Recorder      Sub Total 0  
 Day Standby      Total 1329.80  
 Accessibility      MP/DST Disc't     

Initial Open       
 Initial Shut-In       
 Final Flow       
 Final Shut-In       
 Sub Total 1329.80

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.