

IND



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **American Warrior Inc**  
PO Box 399  
Garden City KS 67846+0399

ATTN: Cecil O Brate

**25 22 24 Hodgeman KS**

**Springer # 5-25**

Start Date: 2008.06.30 @ 23:40:01  
End Date: 2008.07.01 @ 07:45:31  
Job Ticket #: 31117                      DST #: 1

**CONFIDENTIAL**

7-23-10

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

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SEP 11 2008

CONSERVATION DIVISION  
WICHITA, KS

American Warrior Inc

Springer # 5-25

25 22 24 Hodgeman KS

DST # 1

Miss

2008.06.30



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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 PO Box 399  
 Garden City KS 67846+0399  
 ATTN: Cecil O Brate

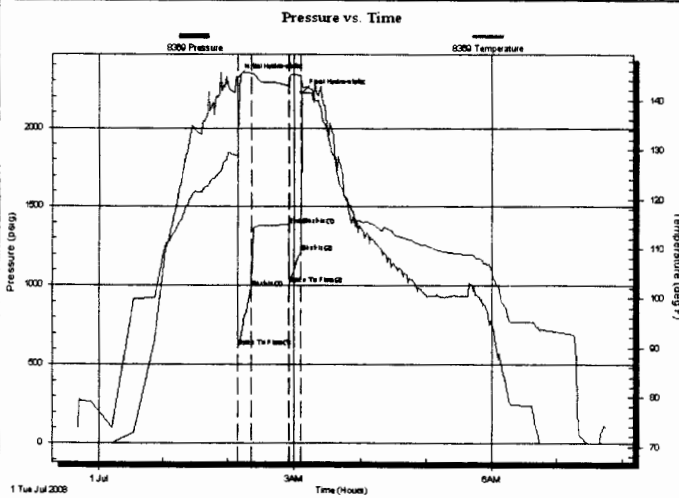
**Springer # 5-25**  
**25 22 24 Hodgeman KS**  
 Job Ticket: 31117      **DST#: 1**  
 Test Start: 2008.06.30 @ 23:40:01

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 02:09:31  
 Time Test Ended: 07:45:31  
 Test Type: Conventional Bottom Hole  
 Tester: John Schmidt  
 Unit No: 31  
 Interval: **4587.00 ft (KB) To 4606.00 ft (KB) (TVD)**  
 Total Depth: 4606.00 ft (KB) (TVD)  
 Reference Elevations: 2364.00 ft (KB)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 11.00 ft  
 2353.00 ft (CF)

**Serial #: 8369**      **Outside**  
 Press@RunDepth: 985.45 psig @ 4588.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2008.06.30      End Date: 2008.07.01      Last Calib.: 2008.07.01  
 Start Time: 23:40:06      End Time: 07:45:30      Time On Btm: 2008.07.01 @ 02:09:01  
 Time Off Btm: 2008.07.01 @ 03:06:31

TEST COMMENT: IF Strong BOB in 30 sec.  
 ISI Dead  
 FF Strong BOB in 30 sec.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.31	128.93	Initial Hydro-static
1	612.52	132.07	Open To Flow (1)
13	985.45	145.41	Shut-In(1)
46	1384.06	142.93	End Shut-In(1)
47	1008.54	142.89	Open To Flow (2)
57	1207.37	145.01	Shut-In(2)
58	2223.41	142.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1850.00	WCO 50%W 50%O	25.95
1000.00	SMMCO 5%M 25%W 70%O	14.03

## Gas Rates

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



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**TOOL DIAGRAM**

American Warrior Inc  
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Test Start: 2008.06.30 @ 23:40:01

**Tool Information**

Drill Pipe:	Length: 4589.00 ft	Diameter: 3.80 inches	Volume: 64.37 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 80000.00 lb
			<u>Total Volume: 64.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4587.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4560.00	
Shut In Tool	5.00			4565.00	
Hydraulic tool	5.00			4570.00	
Jars	5.00			4575.00	
Safety Joint	3.00			4578.00	
Packer	4.00			4582.00	28.00      Bottom Of Top Packer
Packer	5.00			4587.00	
Stubb	1.00			4588.00	
Recorder	0.00	8369	Outside	4588.00	
Recorder	0.00	6669	Inside	4588.00	
Perforations	15.00			4603.00	
Bullnose	3.00			4606.00	19.00      Bottom Packers & Anchor

**Total Tool Length: 47.00**

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**FLUID SUMMARY**

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Job Ticket: 31117      **DST#: 1**  
Test Start: 2008.06.30 @ 23:40:01

### 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:	bbbl		
Water Loss:	7.99 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1850.00	WCO 50%W 50%O	25.951
1000.00	SMMWCO 5%M 25%W 70%O	14.027

Total Length: 2850.00 ft      Total Volume: 39.978 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

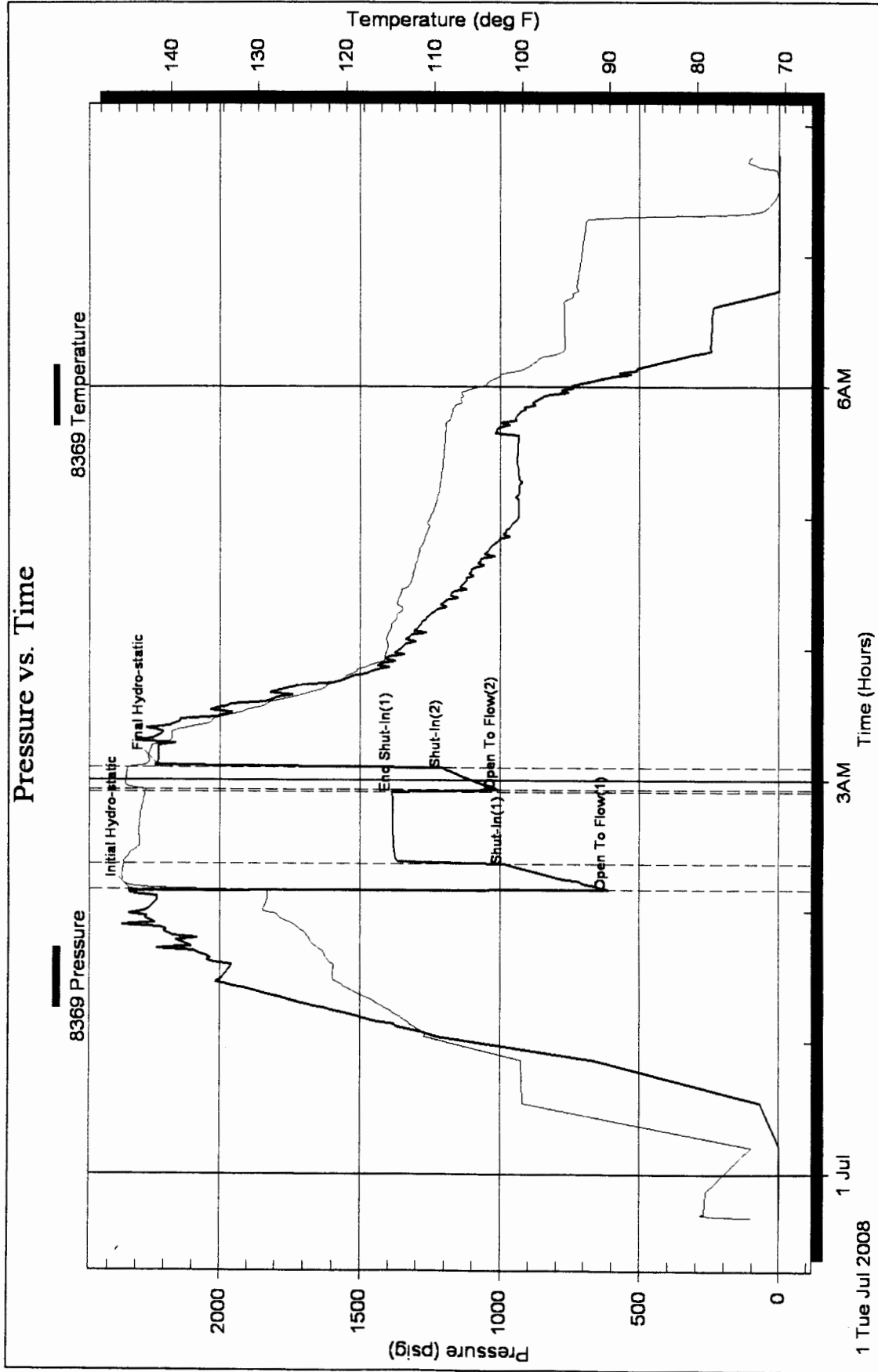
Serial #: 8369

Outside American Warrior Inc

25 22 24 Hodgeman KS

DST Test Number: 1

### Pressure vs. Time



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