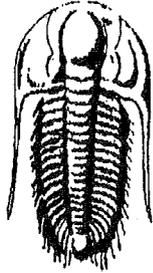


24-22s-24w

C  
KGS LIBRARY



**TRILOBITE  
TESTING, INC.**

### DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

15-083-21593

ATTN: Jason Alm

**CONFIDENTIAL**

**24 22 24 HodgemankS**

JUN 04 2009

**W. Bradshaw #1-24**

**KCC**

Start Date: 2009.02.24 @ 10:16:05

End Date: 2009.02.24 @ 16:11:35

Job Ticket #: 34192

DST #: 1

**RECEIVED  
JUN 05 2009  
KCC WICHITA**

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

American Warrior Inc.

W. Bradshaw #1-24

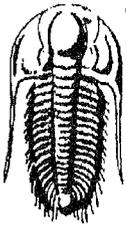
24 22 24 HodgemankS

DST # 1

Cherokee Sand

2009.02.24

*Handwritten signature/initials*



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**W. Bradshaw #1-24**

PO Box 399  
Garden City, KS 67846

**24 22 24 HodgemankS**

ATTN: Jason Alm

Job Ticket: 34192

DST#: 1

Test Start: 2009.02.24 @ 10:16:05

## GENERAL INFORMATION:

Formation: **Cherokee Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:14:05  
 Time Test Ended: 16:11:35  
 Interval: **4642.00 ft (KB) To 4690.00 ft (KB) (TVD)**  
 Total Depth: 4690.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole  
 Tester: Chuck Smith  
 Unit No: 37

Reference Elevations: 2412.00 ft (KB)  
 2404.00 ft (CF)  
 KB to GR/CF: 8.00 ft

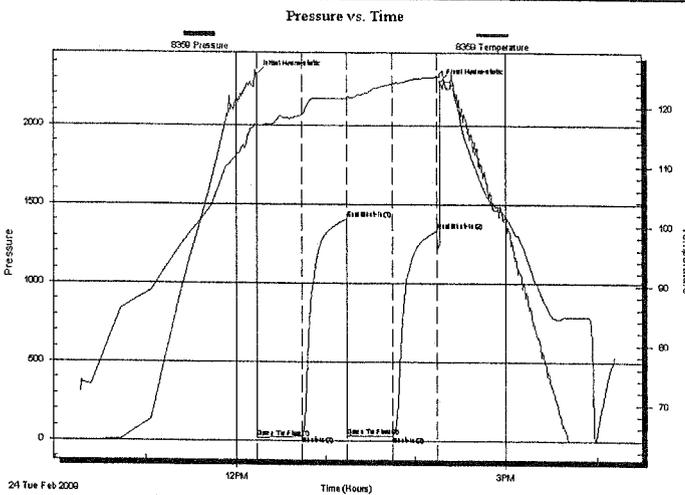
## Serial #: 8359

Inside

Press@RunDepth: 33.73 psig @ 4643.00 ft (KB)  
 Start Date: 2009.02.24 End Date: 2009.02.24  
 Start Time: 10:16:10 End Time: 16:11:34

Capacity: 7000.00 psig  
 Last Calib.: 2009.02.24  
 Time On Btm: 2009.02.24 @ 12:13:55  
 Time Off Btm: 2009.02.24 @ 14:16:35

TEST COMMENT: IF: 1 1/2" Blow .  
 IS: No return.  
 FF: 1/2" Blow .  
 FSI: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2326.11	116.94	Initial Hydro-static
1	17.37	116.52	Open To Flow (1)
31	28.72	118.78	Shut-In(1)
61	1407.23	121.50	End Shut-In(1)
61	32.22	121.75	Open To Flow (2)
91	33.73	123.92	Shut-In(2)
121	1332.82	125.13	End Shut-In(2)
123	2277.14	125.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
31.00	OSWM 30%W70%M	0.15
0.00	No 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.

**W. Bradshaw #1-24**

PO Box 399  
Garden City, KS 67846

**24 22 24 HodgemanKS**

Job Ticket: 34192

**DST#: 1**

ATTN: Jason Alm

Test Start: 2009.02.24 @ 10:16:05

### Tool Information

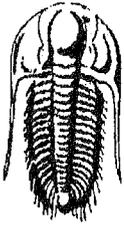
Drill Pipe:	Length: 4589.00 ft	Diameter: 3.80 inches	Volume: 64.37 bbl	Tool Weight: 2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 64.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.50 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4642.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.50 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			4615.50	
Shut In Tool	5.00			4620.50	
Hydraulic tool	5.00			4625.50	
Jars	5.00			4630.50	
Safety Joint	2.50			4633.00	
Packer	5.00			4638.00	27.50 Bottom Of Top Packer
Packer	4.00			4642.00	
Stubb	1.00			4643.00	
Recorder	0.00	8359	Inside	4643.00	
Recorder	0.00	8351	Inside	4643.00	
Perforations	10.00			4653.00	
Change Over Sub	1.00			4654.00	
Drill Pipe	30.00			4684.00	
Change Over Sub	1.00			4685.00	
Bullnose	5.00			4690.00	48.00 Bottom Packers & Anchor

**Total Tool Length: 75.50**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

**W. Bradshaw #1-24**

PO Box 399  
Garden City, KS 67846

**24 22 24 HodgemanKS**

Job Ticket: 34192      DST#: 1

ATTN: Jason Alm

Test Start: 2009.02.24 @ 10:16:05

## 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:	9500 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5900.00 ppm				
Filter Cake:	1.00 inches				

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	OSWM 30%W70%M	0.152
0.00	No GIP	0.000

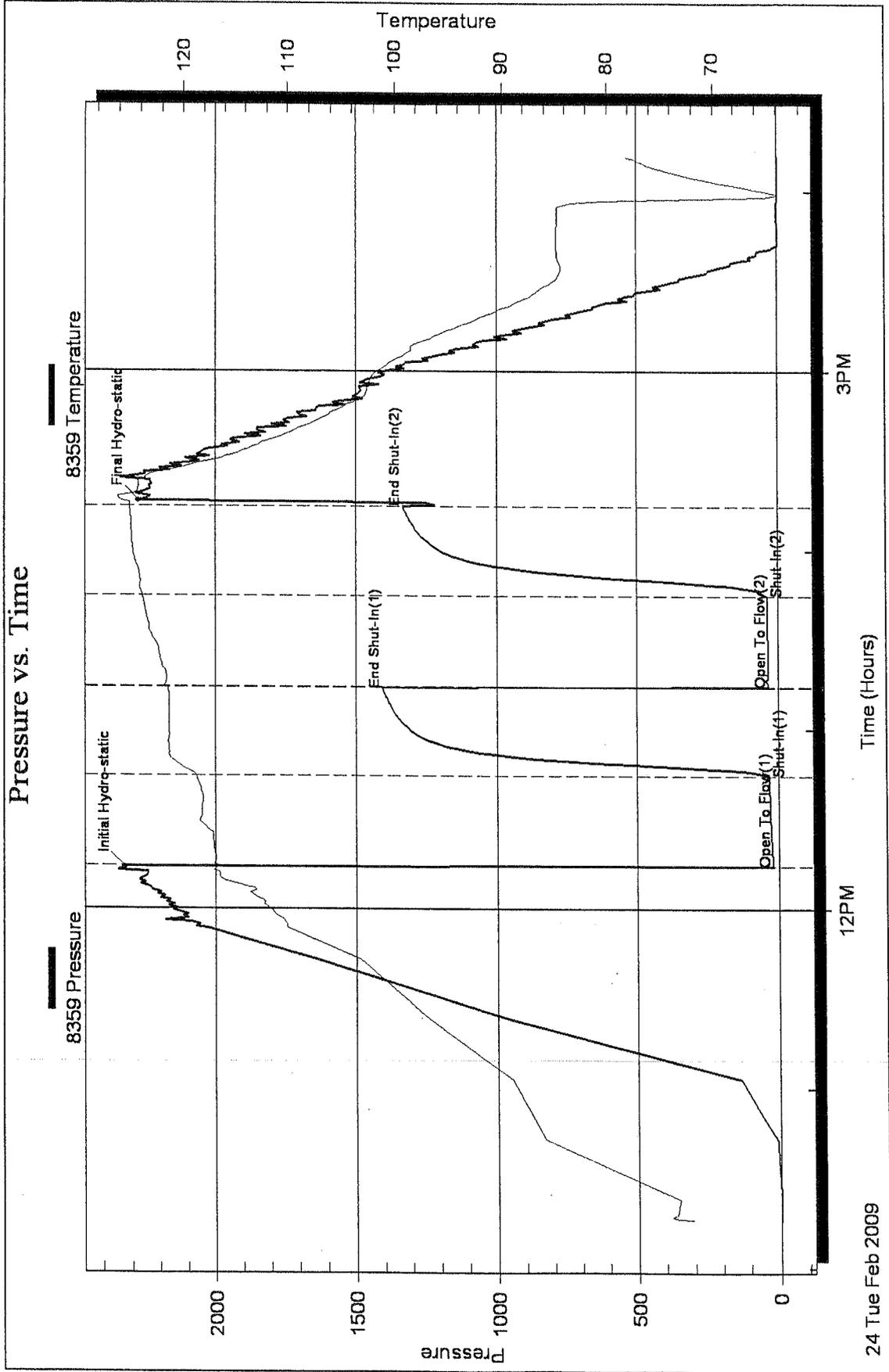
Total Length: 31.00 ft      Total Volume: 0.152 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW: .540 @ 77 Degrees F = 9500 chlorides.

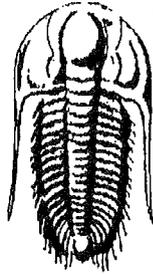
### Pressure vs. Time



24 Tue Feb 2009

12PM

3PM



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

**CONFIDENTIAL**

ATTN: Jason Alm

JUN 04 2009

**24 22 24 HodgemanKS**

**KCC**

**W. Bradshaw #1-24**

Start Date: 2009.02.24 @ 22:10:02

End Date: 2009.02.25 @ 05:23:41

Job Ticket #: 34193      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

American Warrior Inc.

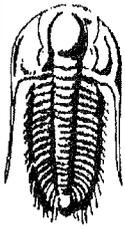
W. Bradshaw #1-24

24 22 24 HodgemanKS

DST # 2

Cherokee Sand

2009.02.24



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**W. Bradshaw #1-24**

PO Box 399  
Garden City, KS 67846

**24 22 24 HodgemanKS**

ATTN: Jason Alm

Job Ticket: 34193

DST#: 2

Test Start: 2009.02.24 @ 22:10:02

## GENERAL INFORMATION:

Formation: **Cherokee Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:05:32  
 Time Test Ended: 05:23:41

Test Type: Conventional Bottom Hole  
 Tester: Chuck Smith  
 Unit No: 37

Interval: **4640.00 ft (KB) To 4698.00 ft (KB) (TVD)**  
 Total Depth: 4698.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2412.00 ft (KB)  
 2404.00 ft (CF)  
 KB to GR/CF: 8.00 ft

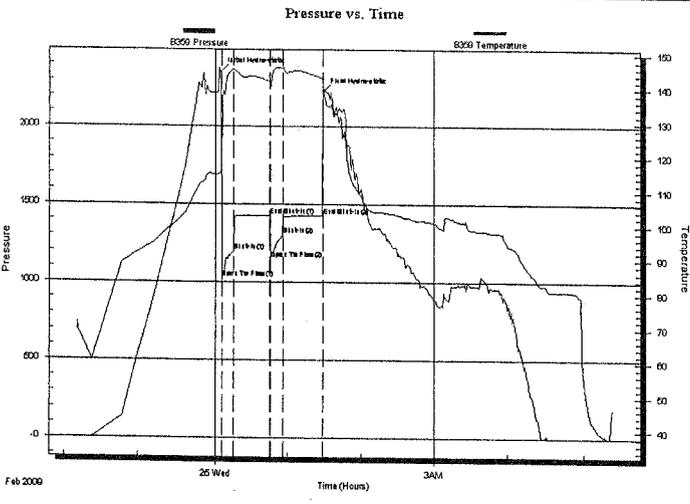
## Serial #: 8359

Inside

Press@RunDepth: 1196.50 psig @ 4641.00 ft (KB)  
 Start Date: 2009.02.24 End Date: 2009.02.25  
 Start Time: 22:10:07 End Time: 05:23:42

Capacity: 7000.00 psig  
 Last Calib.: 2009.02.25  
 Time On Btm: 2009.02.25 @ 00:05:12  
 Time Off Btm: 2009.02.25 @ 01:29:52

TEST COMMENT: IF: B.O.B. @ 30 seconds.  
 IS: No return.  
 FF: B.O.B. @ 30 seconds  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2351.68	115.24	Initial Hydro-static
1	1025.97	114.60	Open To Flow (1)
11	1196.50	145.62	Shut-In(1)
41	1429.03	142.17	End Shut-In(1)
41	1151.96	141.73	Open To Flow (2)
51	1302.72	146.19	Shut-In(2)
85	1425.86	143.12	End Shut-In(2)
85	2224.95	142.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	OSMW 40%M 60%W	1.43
1907.00	GWO 20%G 40%W 40%O	26.75
549.00	GMWCEmulsion 10%G 15%M 30%W 45%O	7.70
183.00	GMWCEmulsion 5%G 20%W 35%M 40%O	2.57
45.00	GMEulsionW 10%G 25%M 30%O 35%W	0.63
0.00	75 Feet Weak 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.

**W. Bradshaw #1-24**

PO Box 399  
Garden City, KS 67846

**24 22 24 HodgemanKS**

Job Ticket: 34193      DST#: 2

ATTN: Jason Alm

Test Start: 2009.02.24 @ 22:10:02

### Tool Information

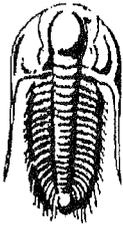
Drill Pipe:	Length: 4589.00 ft	Diameter: 3.80 inches	Volume: 64.37 bbl	Tool Weight: 2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<b>Total Volume: 64.52 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.50 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4640.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	85.50 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			4613.50	
Shut In Tool	5.00			4618.50	
Hydraulic tool	5.00			4623.50	
Jars	5.00			4628.50	
Safety Joint	2.50			4631.00	
Packer	5.00			4636.00	27.50      Bottom Of Top Packer
Packer	4.00			4640.00	
Stubb	1.00			4641.00	
Recorder	0.00	8359	Inside	4641.00	
Recorder	0.00	8351	Inside	4641.00	
Perforations	20.00			4661.00	
Change Over Sub	1.00			4662.00	
Drill Pipe	30.00			4692.00	
Change Over Sub	1.00			4693.00	
Bullnose	5.00			4698.00	58.00      Bottom Packers & Anchor

**Total Tool Length: 85.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**W. Bradshaw #1-24**

PO Box 399  
Garden City, KS 67846

**24 22 24 HodgemanKS**

Job Ticket: 34193

**DST#: 2**

ATTN: Jason Alm

Test Start: 2009.02.24 @ 22:10:02

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 6.78 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 5900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 0 deg API

Water Salinity: 19000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	OSMW 40%M 60%W	1.429
1907.00	GWO 20%G 40%W 40%O	26.750
549.00	GMWCEmulsion 10%G 15%M 30%W 45%O	7.701
183.00	GMWCEmulsion 5%G 20%W 35%M 40%O	2.567
45.00	GWEmulsionW 10%G 25%M 30%O 35%W	0.631
0.00	75 Feet Weak GIP	0.000

Total Length: 2806.00 ft      Total Volume: 39.078 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .450 @ 50 Degrees F = 19000 chlorides.

### Pressure vs. Time

