

**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Harley Sayles

**27-25s-21w Ford,KS**

**Burke #1-27**

Start Date: 2010.12.07 @ 06:23:06

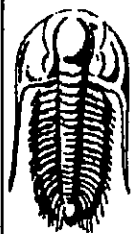
End Date: 2010.12.07 @ 14:11:21

Job Ticket #: 039258      DST #: 1

**KCC  
FEB 23 2011  
CONFIDENTIAL**

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

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FEB 24 2011  
KCC WICHITA**



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TESTING, INC**

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PO Box 399  
Garden City, KS 67846  
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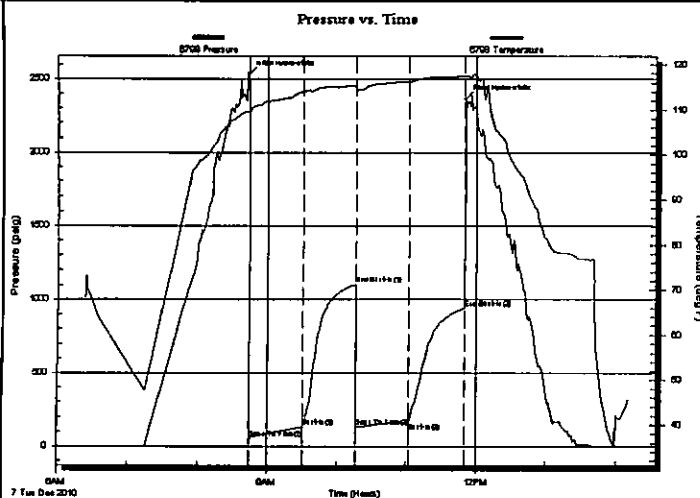
**Burke #1-27**  
**27-25s-21w Ford,KS**  
Job Ticket: 039258 DST#: 1  
Test Start: 2010.12.07 @ 06:23:06

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 08:44:36  
Time Test Ended: 14:11:21  
Interval: **4740.00 ft (KB) To 4817.00 ft (KB) (TVD)**  
Total Depth: **4817.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole**  
Tester: **Leal Cason**  
Unit No: **45**  
Reference Elevations: **2335.00 ft (KB)**  
**2324.00 ft (CF)**  
KB to GR/CF: **11.00 ft**

**Serial #: 6798** Inside  
Press@RunDepth: **158.72 psig @ 4741.00 ft (KB)**  
Start Date: **2010.12.07** End Date: **2010.12.07** Capacity: **8000.00 psig**  
Start Time: **06:23:07** End Time: **14:11:21** Last Calib.: **2010.12.07**  
Time On Btm: **2010.12.07 @ 08:43:21**  
Time Off Btm: **2010.12.07 @ 11:51:06**

**TEST COMMENT:** IF: Fair Blow, Built to 9 inches  
IS: Bled Off, No Blow back  
FF: Weak Blow, Built to 4 inches  
FS: Bled off, Weak Surface Blow back



## PRESSURE SUMMARY

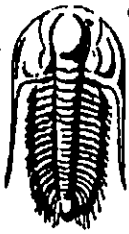
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2532.55	109.67	Initial Hydro-static
2	51.68	109.25	Open To Flow (1)
48	129.36	114.13	Shut-In(1)
94	1101.85	115.35	End Shut-In(1)
94	131.64	114.95	Open To Flow (2)
140	158.72	116.20	Shut-In(2)
187	942.24	117.39	End Shut-In(2)
188	2366.09	117.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	175 Feet GIP	0.00
127.00	GOCM 2%G 28%O 70%M	0.62
180.00	GMCO 2%G 46%M 52%O	0.89
5.00	CO	0.07

## Gas Rates

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



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**TOOL DIAGRAM**

American Warrior Inc

**Burke #1-27**

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Job Ticket: 039258      **DST#: 1**

ATTN: Harley Sayles

Test Start: 2010.12.07 @ 06:23:06

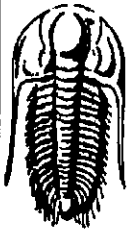
**Tool Information**

Drill Pipe:	Length: 4413.00 ft	Diameter: 3.80 inches	Volume: 61.90 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length:            ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.41 bbl</u>	Tool Chased                            ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4740.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	105.00 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			4717.00	
Hydraulic tool	5.00			4722.00	
Jars	5.00			4727.00	
Safety Joint	3.00			4730.00	
Packer	5.00			4735.00	28.00      Bottom Of Top Packer
Packer	5.00			4740.00	
Stubb	1.00			4741.00	
Recorder	0.00	6798	Inside	4741.00	
Recorder	0.00	8367	Outside	4741.00	
Perforations	3.00			4744.00	
Drill Pipe	63.00			4807.00	
Perforations	7.00			4814.00	
Bullnose	3.00			4817.00	77.00      Bottom Packers & Anchor

**Total Tool Length: 105.00**



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**FLUID SUMMARY**

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**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	39.1 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	175 Feet GIP	0.000
127.00	GOOM 2%G 28%O 70%M	0.625
180.00	GMCO 2%G 46%M 52%O	0.885
5.00	CO	0.070

Total Length: 312.00 ft      Total Volume: 1.580 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: API 37 @ 38 deg F

