

15-185-23409



**TRILOBITE
TESTING, INC.**

**KCC
DEC 20 2006
CONFIDENTIAL**

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846-0399

ATTN: Jason Alm

19 22 11 Stafford KS

Alpers #1-19

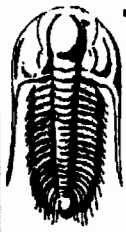
Start Date: 2006.11.19 @ 17:15:46

End Date: 2006.11.19 @ 23:25:16

Job Ticket #: 25491 DST #: 1

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846-0399

ATTN: Jason Alm

Alpers #1-19
19 22 11 Stafford KS
Job Ticket: 25491 **DST#: 1**
Test Start: 2006.11.19 @ 17:15:46

GENERAL INFORMATION:

Formation: **Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:18:16
Time Test Ended: 23:25:16

Interval: **3288.00 ft (KB) To 3340.00 ft (KB) (TVD)**
Total Depth: 3340.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

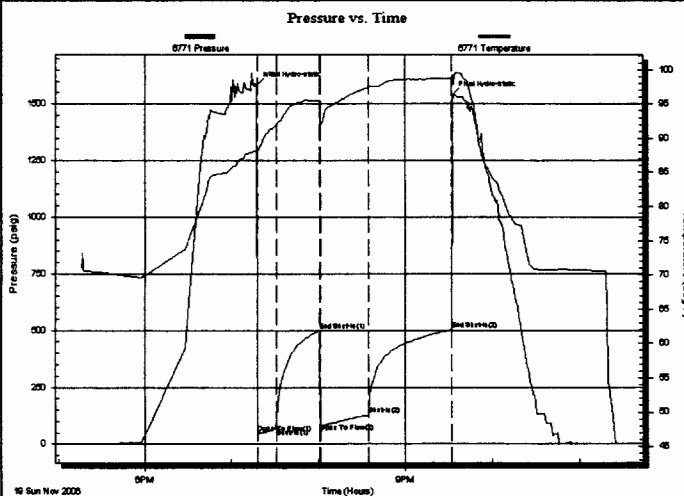
Test Type: Conventional Bottom Hole
Tester: Zach Stover
Unit No: 23

Reference Elevations: 1832.00 ft (KB)
1827.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771 Inside
Press@RunDepth: 129.12 psig @ 3292.00 ft (KB)
Start Date: 2006.11.19 End Date: 2006.11.19
Start Time: 17:15:51 End Time: 23:25:15

Capacity: 7000.00 psig
Last Calib.: 2004.11.20
Time On Btm: 2006.11.19 @ 19:17:16
Time Off Btm: 2006.11.19 @ 21:32:31

TEST COMMENT: IF Strong blow BOB immediately
ISI No blow
FF Strong blow BOB immediately GTS in 10 min.
FSI Strong blow Built to BOB in 25 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.75	88.20	Initial Hydro-static
1	49.07	88.10	Open To Flow (1)
14	69.81	91.88	Shut-In (1)
44	499.62	95.40	End Shut-In (1)
44	53.13	92.10	Open To Flow (2)
78	129.12	97.42	Shut-In (2)
135	502.76	98.72	End Shut-In (2)
136	1538.27	98.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WM 50%W 50%M	0.30
60.00	GSY OMCW 60%G 12%O 18%W 10%M	0.30
60.00	GSY WMCO 15%G 35%O 30%W 20%M	0.81
60.00	GSY MCO 20%G 40%O 40%M	0.84
60.00	OSM 3%O 97%M	0.84
		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.00	6.89
Last Gas Rate	0.13	5.00	7.26
Max. Gas Rate	0.13	5.00	7.26



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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Alpers #1-19

PO Box 399
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19 22 11 Stafford KS

Job Ticket: 25491

DST#: 1

ATTN: Jason Alm

Test Start: 2006.11.19 @ 17:15:46

Tool Information

Drill Pipe:	Length: 3160.00 ft	Diameter: 3.80 inches	Volume: 44.33 bbl	Tool Weight: 2100.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume:	44.94 bbl	Tool Chased ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3288.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 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			3269.00	
Shut In Tool	5.00			3274.00	
Hydraulic tool	5.00			3279.00	
Packer	4.00			3283.00	20.00 Bottom Of Top Packer
Packer	5.00			3288.00	
Stubb	1.00			3289.00	
Perforations	2.00			3291.00	
Change Over Sub	1.00			3292.00	
Recorder	0.00	6771	Inside	3292.00	
Blank Spacing	32.00			3324.00	
Change Over Sub	1.00			3325.00	
Perforations	10.00			3335.00	
Recorder	0.00	13789	Outside	3335.00	
Bullnose	5.00			3340.00	52.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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FLUID SUMMARY

American Warrior Inc

Alpers #1-19

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19 22 11 Stafford KS

Job Ticket: 25491

DST#: 1

ATTN: Jason Alm

Test Start: 2006.11.19 @ 17:15:46

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:

26000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WM 50%W 50%M	0.295
60.00	GSY OMCW 60%G 12%O 18%W 10%M	0.295
60.00	GSY WMCO 15%G 35%O 30%W 20%M	0.805
60.00	GSY MCO 20%G 40%O 40%M	0.842
60.00	OSM 3%O 97%M	0.842
		0.000

Total Length: 300.00 ft

Total Volume: 3.079 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .25@76



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DRILL STEM TEST REPORT

GAS RATES

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19 22 11 Stafford KS

ATTN: Jason Alm

Job Ticket: 25491

DST#: 1

Test Start: 2006.11.19 @ 17:15:46

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
2	10	0.13	4.00	6.89
2	10	0.13	4.00	6.89
2	20	0.13	5.00	7.26

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Serial #: 6771

Inside

American Warrior Inc

19 22 11 Stafford KS

DST Test Number: 1

