



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jim Musgrove

**24-19s-11w Barton, KS**

**Eberhardt #3-24**

Job Ticket: 55774

**DST#: 1**

Test Start: 2013.11.14 @ 02:20:05

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:32:05

Time Test Ended: 11:20:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan L

Unit No: 54

**Interval: 3288.00 ft (KB) To 3332.00 ft (KB) (TVD)**

Reference Elevations: 1782.00 ft (KB)

Total Depth: 3332.00 ft (KB) (TVD)

1774.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 8789 Inside**

Press@RunDepth: 173.66 psig @ 3295.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.14

End Date:

2013.11.14

Last Calib.: 2013.11.14

Start Time: 02:20:07

End Time:

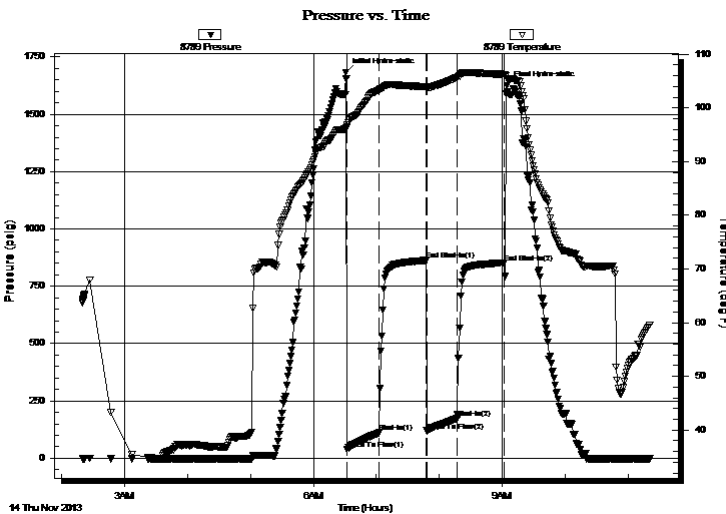
11:20:20

Time On Btm: 2013.11.14 @ 06:30:50

Time Off Btm: 2013.11.14 @ 09:04:20

**TEST COMMENT:** 30- IF- BOB 4mins  
45- IS- Maintained 1" blow throughout  
30- FF- BOB 6mins  
45- FSI- Maintained 1/4" blow throughout

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1682.56	96.12	Initial Hydro-static
2	39.48	96.43	Open To Flow (1)
32	111.40	103.37	Shut-In(1)
77	862.98	103.98	End Shut-In(1)
77	119.82	103.69	Open To Flow (2)
107	173.66	105.68	Shut-In(2)
151	852.90	106.26	End Shut-In(2)
154	1624.77	105.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
190.00	OCM, 95%M	2.60
220.00	GO, 70%O	3.01
0.00	600' GIP	0.00

## Gas Rates

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



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.20 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 5200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

41 deg API

Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	OCM, 95%M	2.596
220.00	GO, 70%O	3.005
0.00	600' GIP	0.000

Total Length: 410.00 ft      Total Volume: 5.601 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

