



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**31-15S-10W Ellsworth, KS**

3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Luke Thompson

**Abercrombie #1-31**

Job Ticket: 58080 **DST#: 2**

Test Start: 2016.05.12 @ 00:27:04

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:03:04  
 Time Test Ended: 06:53:34  
 Interval: **3284.00 ft (KB) To 3297.00 ft (KB) (TVD)**  
 Total Depth: 3297.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brannan Lonsdale  
 Unit No: 73  
 Reference Elevations: 1783.00 ft (KB)  
 1775.00 ft (CF)  
 KB to GR/CF: 8.00 ft

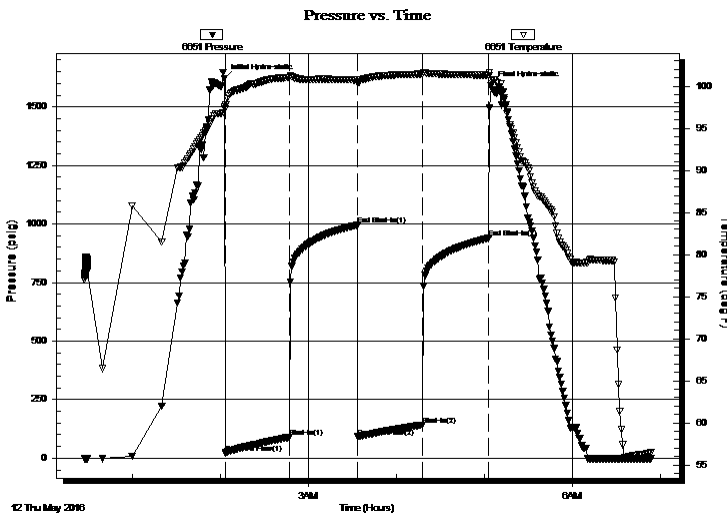
## Serial #: 6651

Inside

Press @ Run Depth: 141.84 psig @ 3294.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.05.12 End Date: 2016.05.12 Last Calib.: 2016.05.12  
 Start Time: 00:27:05 End Time: 06:53:34 Time On Btm: 2016.05.12 @ 02:02:34  
 Time Off Btm: 2016.05.12 @ 05:04:34

TEST COMMENT: 45- IF- Slow ly built to 5.5"  
 45- IS- No blow  
 45- FF- Slow ly built to 5.5"  
 45- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.54	97.55	Initial Hydro-static
1	22.09	97.29	Open To Flow (1)
45	90.03	101.04	Shut-In(1)
91	994.74	100.71	End Shut-In(1)
91	91.31	100.34	Open To Flow (2)
135	141.84	101.44	Shut-In(2)
181	939.68	101.27	End Shut-In(2)
182	1590.43	100.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
190.00	OCMW, 10%O 10%M 80%W	2.41
63.00	HMWCO, 20%M 40%W 40%O	0.89
48.00	SWMCO, 5%M 5%W 90%O	0.68
0.00	15' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests





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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: 47.00 sec/qt  
Water Loss: 10.98 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5800.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 34 deg API  
Water Salinity: 17000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	OCMW, 10%O 10%M 80%W	2.406
63.00	HMWCO, 20%M 40%W 40%O	0.893
48.00	SWMCO, 5%M 5%W 90%O	0.680
0.00	15' GIP	0.000

Total Length: 301.00 ft      Total Volume: 3.979 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

