



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
3118 Cummings Rd.  
Garden City, KS 67846  
ATTN: Kevin Timson

**23-24s-31w-Finney CO, KS**

**Irsik-Finney #4-23**

Job Ticket: 54917

**DST#: 3**

Test Start: 2014.06.13 @ 02:45:00

## GENERAL INFORMATION:

Formation: **St. Louis**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 05:41:30  
 Time Test Ended: 11:48:30  
 Interval: **4900.00 ft (KB) To 4955.00 ft (KB) (TVD)**  
 Total Depth: 4955.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2883.00 ft (KB)  
 2872.00 ft (CF)  
 KB to GR/CF: 11.00 ft

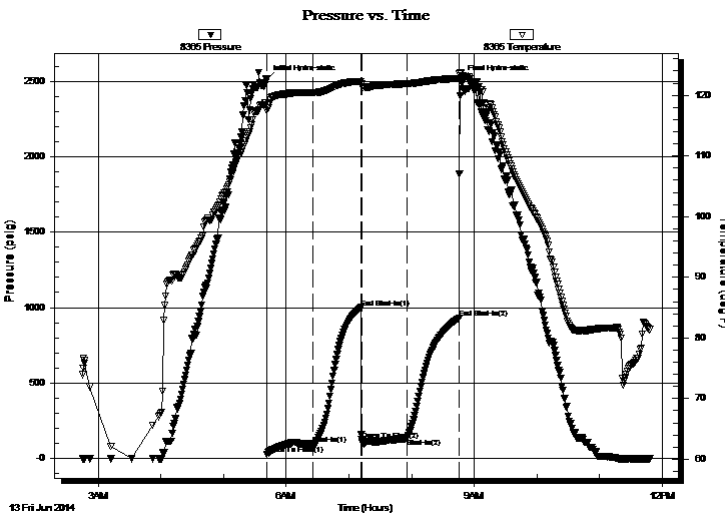
## Serial #: 8365

Inside

Press@RunDepth: 132.91 psig @ 4903.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.13 End Date: 2014.06.13 Last Calib.: 2014.06.13  
 Start Time: 02:45:05 End Time: 11:48:30 Time On Btm: 2014.06.13 @ 05:41:15  
 Time Off Btm: 2014.06.13 @ 08:47:00

TEST COMMENT: 45: BOB @ 40 min.  
 45: Surface return.  
 45: BOB @ 1 min.  
 45: 4" return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2509.99	118.80	Initial Hydro-static
1	26.79	117.45	Open To Flow (1)
45	96.97	120.42	Shut-In(1)
90	999.39	122.30	End Shut-In(1)
91	123.46	121.85	Open To Flow (2)
135	132.91	121.90	Shut-In(2)
184	928.33	122.77	End Shut-In(2)
186	2509.95	123.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 30o 70m	0.15
60.00	go 30g 70o	0.30
240.00	gmco 40g 30o 30m	1.96
0.00	2320' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	ocm 30o 70m	0.148
60.00	go 30g 70o	0.295
240.00	gmco 40g 30o 30m	1.964
0.00	2320' GIP	0.000

Total Length: 330.00 ft

Total Volume: 2.407 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

