



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc  
 PO Box 399  
 Garden City, Ks 67846  
 ATTN: Jason T Alm

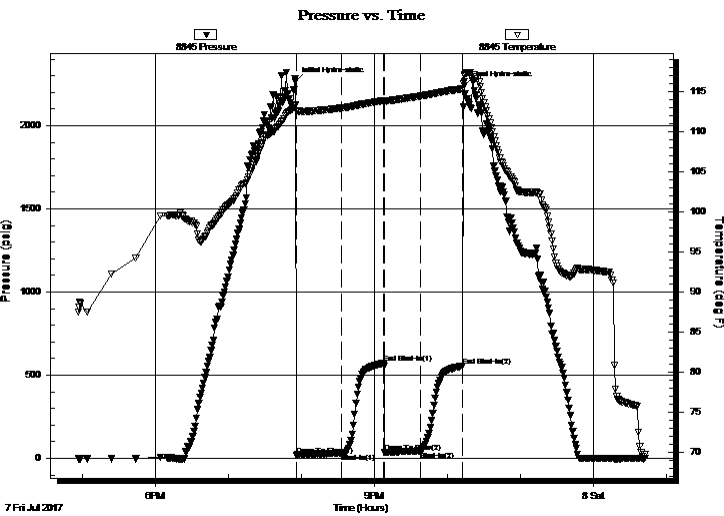
**16 14s 35w Logan, Ks**  
**Uhland #1-16**  
 Job Ticket: 64205      **DST#: 1**  
 Test Start: 2017.07.07 @ 16:57:00

## GENERAL INFORMATION:

Formation: **Altamont A**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 19:55:45  
 Tester: Bradley Walter  
 Time Test Ended: 00:42:00  
 Unit No: 78  
 Interval: **4422.00 ft (KB) To 4485.00 ft (KB) (TVD)**  
 Reference Elevations: 3242.00 ft (KB)  
 Total Depth: 4485.00 ft (KB) (TVD)  
 3234.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 8.00 ft

**Serial #: 8845      Outside**  
 Press@RunDepth: 45.05 psig @ 4423.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2017.07.07      End Date: 2017.07.08      Last Calib.: 2017.07.08  
 Start Time: 16:57:05      End Time: 00:41:59      Time On Btm: 2017.07.07 @ 19:55:15  
 Time Off Btm: 2017.07.07 @ 22:14:00

**TEST COMMENT:** IF: 2 1/2" blow .  
 IS: No return.  
 FF: 1 1/2" blow .  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2264.88	113.36	Initial Hydro-static
1	19.28	112.66	Open To Flow (1)
38	32.06	112.97	Shut-In(1)
73	572.29	113.90	End Shut-In(1)
73	37.35	113.75	Open To Flow (2)
103	45.05	114.45	Shut-In(2)
137	554.26	115.34	End Shut-In(2)
139	2243.01	117.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	socm 3o 97m	0.70
30.00	oil 100o	0.42

## 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	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	socm 3o 97m	0.701
30.00	oil 100o	0.421

Total Length: 80.00 ft      Total Volume: 1.122 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

