



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior INC  
 3118 Cummings Rd.  
 PO Box 399  
 Graden City KS 67846  
 ATTN: Jason Alm

**29-11s-19-w Ellis Co.**

**Gordon #1-29**

Job Ticket: 61630

**DST#: 1**

Test Start: 2015.01.12 @ 18:30:12

## GENERAL INFORMATION:

Formation: **LKC "C-D"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:32:42  
 Time Test Ended: 00:35:02  
 Interval: **3391.00 ft (KB) To 3445.00 ft (KB) (TVD)**  
 Total Depth: 3445.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Tate Lang  
 Unit No: 77  
 Reference Elevations: 2123.00 ft (KB)  
 2115.00 ft (CF)  
 KB to GR/CF: 8.00 ft

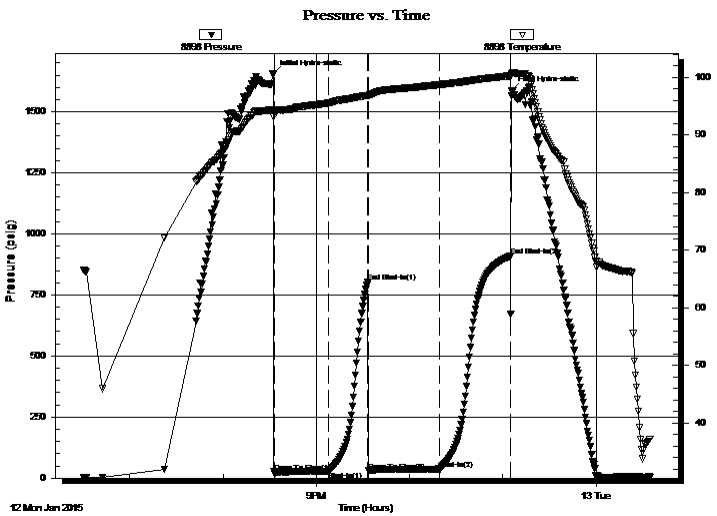
## Serial #: 8898

**Outside**

Press @ Run Depth: 37.68 psig @ 3394.00 ft (KB)  
 Start Date: 2015.01.12 End Date: 2015.01.13  
 Start Time: 18:30:13 End Time: 00:35:02  
 Capacity: 8000.00 psig  
 Last Calib.: 2015.01.13  
 Time On Btm: 2015.01.12 @ 20:32:32  
 Time Off Btm: 2015.01.12 @ 23:05:42

**TEST COMMENT:** 30-Fair blow built to 4 in  
 30-Dead no blow back  
 45-Strong blow built to 8 in  
 45-Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.04	94.35	Initial Hydro-static
1	25.41	93.16	Open To Flow (1)
36	28.10	95.50	Shut-In(1)
61	801.88	96.81	End Shut-In(1)
62	30.04	96.73	Open To Flow (2)
107	37.68	98.68	Shut-In(2)
153	908.11	100.22	End Shut-In(2)
154	1585.91	100.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
31.00	SMCO 5%M 95%O	0.23
31.00	MCO 50%M 50%O	0.23

## 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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	SMCO 5%M 95%O	0.228
31.00	MCO 50%M 50%O	0.228

Total Length: 62.00 ft      Total Volume: 0.456 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

