



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Trek AEC, LLC.  
 155 N. Market Ste. 710  
 Wichita, KS 67202-1821  
 ATTN: Aaron Young

27-27s.-7w. Kingman Co.

**Thissen Unit 5-27**

Job Ticket: 52471      DST#: 1  
 Test Start: 2013.11.11 @ 10:53:36

## GENERAL INFORMATION:

Formation: **Viola**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 13:11:36  
 Time Test Ended: 21:16:06  
 Interval: **4256.00 ft (KB) To 4260.00 ft (KB) (TVD)**  
 Total Depth: 4260.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ryan Reynolds  
 Unit No: 48  
 Reference Elevations: 1600.00 ft (KB)  
 1585.00 ft (CF)  
 KB to GR/CF: 15.00 ft

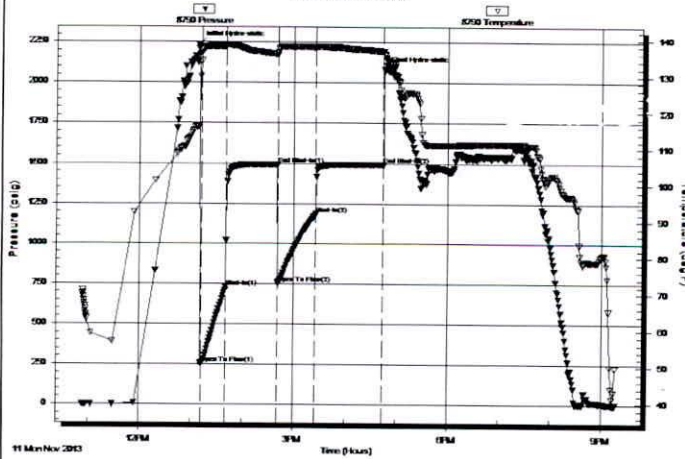
## Serial #: 8790

Inside

Press@RunDepth: 1186.84 psig @ 4257.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.11.11      End Date: 2013.11.11      Last Calib.: 2013.11.11  
 Start Time: 10:53:41      End Time: 21:16:06      Time On Btm: 2013.11.11 @ 13:08:21  
 Time Off Btm: 2013.11.11 @ 16:45:51

TEST COMMENT: IF: Strong blow . BOB immed. No GTS.  
 IS: Strong blow . BOB @ 5min. GTS 1min. into  
 FF: Strong blow . BOB immed. O to Surf. 2min. into  
 FS: Strong blow . BOB @ 7min.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.16	116.36	Initial Hydro-static
4	249.03	134.09	Open To Flow (1)
33	724.22	138.24	Shut-In(1)
93	1491.29	136.15	End Shut-In(1)
93	751.12	136.38	Open To Flow (2)
138	1186.84	137.99	Shut-In(2)
216	1491.44	136.85	End Shut-In(2)
218	2079.85	135.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3145.00	Clean gassy oil (Rev. 15 bbl. to truck 4	42.52
175.00	SLI OCGW trc%oil, 5%gas, 95%w tr	2.45

## Gas Rates

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



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**FLUID SUMMARY**

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Job Ticket: 52471

**DST#: 1**

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**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

66000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.02 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
3145.00	Clean gassy oil (Rev. 15 bbl. to truck 4	42.522
175.00	SLI OCGW trc%oil, 5%gas, 95%wtr	2.455

Total Length: 3320.00 ft

Total Volume: 44.977 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

