



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production LLC  
 7851 S Elati St Ste 201  
 Littleton, Co 80120  
 ATTN: Bill Goff

**Bontrager 1-32**  
**32-19s-33w Scott, KS**  
 Job Ticket: 43680 **DST#: 4**  
 Test Start: 2011.08.14 @ 01:11:34

## GENERAL INFORMATION:

Formation: **Marrow**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:17:29  
 Time Test Ended: 07:15:28  
 Interval: **4610.00 ft (KB) To 4650.00 ft (KB) (TVD)**  
 Total Depth: 4650.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Brandon Turley  
 Unit No: 35  
 Reference Elevations: 2983.00 ft (KB)  
 2978.00 ft (CF)  
 KB to GR/CF: 5.00 ft

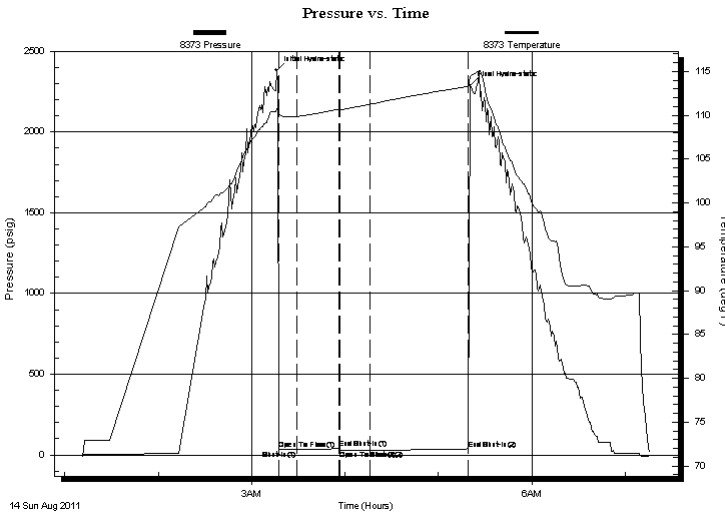
## Serial #: 8373

Inside

Press @ Run Depth: 29.89 psig @ 4611.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.08.14 End Date: 2011.08.14 Last Calib.: 2011.08.14  
 Start Time: 01:11:34 End Time: 07:15:28 Time On Btm: 2011.08.14 @ 03:15:59  
 Time Off Btm: 2011.08.14 @ 05:19:59

TEST COMMENT: IF: Surface blow died in 6 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2381.47	110.61	Initial Hydro-static
2	37.03	109.99	Open To Flow (1)
13	31.68	109.86	Shut-In(1)
41	40.59	110.72	End Shut-In(1)
41	30.04	110.68	Open To Flow (2)
60	29.89	111.26	Shut-In(2)
123	37.78	113.29	End Shut-In(2)
124	2289.56	114.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100% m	0.01

## 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:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100%m	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

