



**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: 43678      **DST#: 2**  
Test Start: 2011.08.12 @ 01:48:59

## GENERAL INFORMATION:

Formation: **Marmaton**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 04:02:24  
Time Test Ended: 07:37:38  
**Interval: 4300.00 ft (KB) To 4366.00 ft (KB) (TVD)**  
Total Depth: 4366.00 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

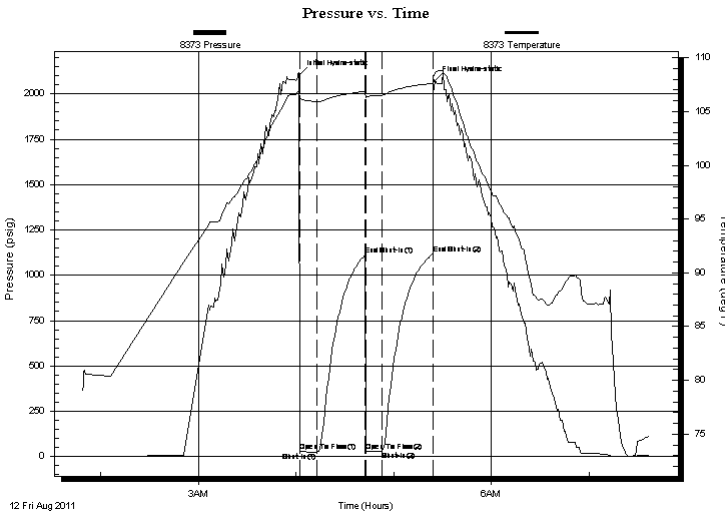
## Serial #: 8373

Inside

Press @ RunDepth: 30.26 psig @ 4301.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.08.12      End Date: 2011.08.12      Last Calib.: 2011.08.12  
Start Time: 01:48:59      End Time: 07:37:38      Time On Btm: 2011.08.12 @ 04:02:09  
Time Off Btm: 2011.08.12 @ 05:25:09

TEST COMMENT: IF: 1/4 blow died in 7 min.  
IS: No return.  
FF: No blow.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.71	106.89	Initial Hydro-static
1	29.83	106.21	Open To Flow (1)
11	25.59	105.93	Shut-In(1)
41	1110.39	106.88	End Shut-In(1)
41	29.22	106.31	Open To Flow (2)
51	30.26	106.52	Shut-In(2)
82	1119.27	107.62	End Shut-In(2)
83	2071.25	108.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

## 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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

