



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production, LLC  
7851 S. Elati St. STE 201  
Littleton, CO 80120  
ATTN: Bill Goff

**25/2s/30w Decatur KS**

**Stallman #1-25**

Job Ticket: 45555

**DST#: 1**

Test Start: 2012.01.14 @ 02:00:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:36:30  
 Time Test Ended: 10:00:30  
 Interval: **3760.00 ft (KB) To 3820.00 ft (KB) (TVD)**  
 Total Depth: 3820.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: James Winder  
 Unit No: 57  
 Reference Elevations: 2796.00 ft (KB)  
 2791.00 ft (CF)  
 KB to GR/CF: 5.00 ft

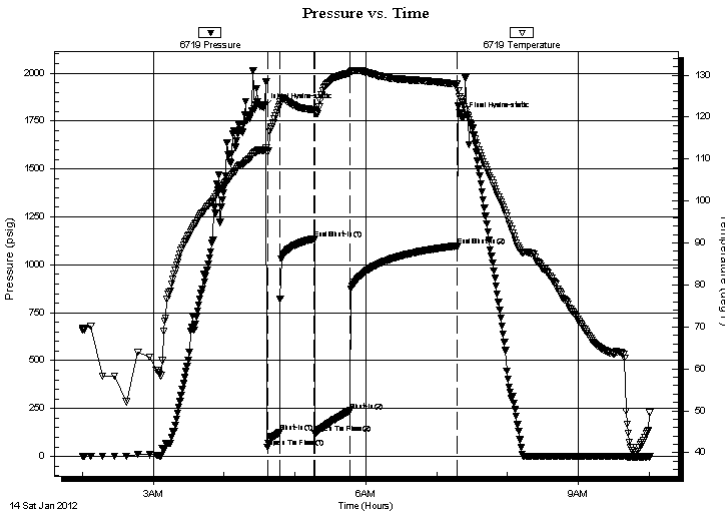
## Serial #: 6719

Inside

Press@RunDepth: 238.61 psig @ 3761.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.01.14 End Date: 2012.01.14 Last Calib.: 2012.01.14  
 Start Time: 02:00:05 End Time: 10:00:29 Time On Btm: 2012.01.14 @ 04:33:30  
 Time Off Btm: 2012.01.14 @ 07:22:00

**TEST COMMENT:** 10 - IF: Blow built to BOB (11") in 8 1/4 min.  
 30 - IS: Bled off, Blow back built to 1/4" in 15 min., then died off  
 30 - FF: Blow built to BOB in 9 min.  
 90 - FS: Bled off, No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.35	112.07	Initial Hydro-static
3	49.41	111.95	Open To Flow (1)
14	125.62	122.82	Shut-In(1)
43	1135.55	121.74	End Shut-In(1)
44	119.90	121.12	Open To Flow (2)
73	238.61	130.49	Shut-In(2)
164	1098.53	127.86	End Shut-In(2)
169	1773.06	123.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCO 63%o, 25%m, 12%g	0.30
62.00	SMCO 92%o, 5%g, 3%m	0.30
63.00	GMO 44%o, 43%m, 13%g	0.88
388.00	CGO 69%o, 31%g	5.44
0.00	GIP = 45'	0.00

## 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:

32.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GMCO 63%o, 25%m, 12%g	0.305
62.00	SMCO 92%o, 5%g, 3%m	0.305
63.00	GMO 44%o, 43%m, 13%g	0.884
388.00	CGO 69%o, 31%g	5.443
0.00	GIP = 45'	0.000

Total Length: 575.00 ft      Total Volume: 6.937 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 31 api @ 44 deg F Corrected Gravity = 32.6 api

Sampler : 45 psi / Chamber sample w as spilled: estimated recovery 1800 ML

Oil w trace of mud - did a grind out to check for w ater : 99%o, 1%m

### Pressure vs. Time

