



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production

12-11s-23w Trego

10290 Bradford Rd
Littleton CO, 80127

Patterson # 1-12

ATTN: Justin Carter

Job Ticket: 54479

DST#: 4

Test Start: 2013.10.18 @ 04:30:00

GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:26:30

Time Test Ended: 12:02:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 53

Interval: 3650.00 ft (KB) To 3690.00 ft (KB) (TVD)

Reference Elevations: 2241.00 ft (KB)

Total Depth: 3690.00 ft (KB) (TVD)

2236.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 13.66 psig @ 3687.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.18

End Date:

2013.10.18

Last Calib.:

2013.10.18

Start Time: 04:30:05

End Time:

12:02:29

Time On Btm:

2013.10.18 @ 08:26:15

Time Off Btm:

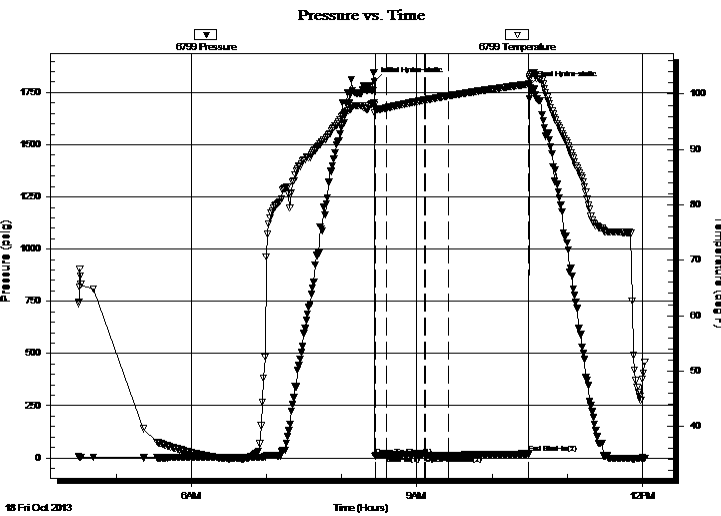
2013.10.18 @ 10:30:00

TEST COMMENT: 10 - IF- 1/4" blow , died in 9 minutes

30 - IS- No return

20 - FF- No blow

60 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.30	97.98	Initial Hydro-static
1	8.81	96.64	Open To Flow (1)
10	13.60	97.51	Shut-In(1)
40	19.55	98.91	End Shut-In(1)
41	12.94	98.93	Open To Flow (2)
59	13.66	99.66	Shut-In(2)
123	20.01	101.79	End Shut-In(2)
124	1783.23	103.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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DST#: 4

ATTN: Justin Carter

Test Start: 2013.10.18 @ 04:30:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: There was mud in the hydraulic tool only. Fluid did not make it to the sampler.

