



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Cholla Production, LLC

**Sec. 12-11s-23w Trego, KS**

10390 Bradford Rd  
Suite 201  
Littleton, CO 80127  
ATTN: Justin Carter/Emily

**Patterson #2-12**

Job Ticket: 60701

**DST#: 2**

Test Start: 2014.09.28 @ 14:12:00

## GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:58:30

Time Test Ended: 22:13:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 62

**Interval: 3570.00 ft (KB) To 3603.00 ft (KB) (TVD)**

Reference Elevations: 2244.00 ft (KB)

Total Depth: 3603.00 ft (KB) (TVD)

2239.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8655 Outside**

Press@RunDepth: 286.53 psig @ 3571.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.28

End Date:

2014.09.28

Last Calib.:

2014.09.28

Start Time: 14:12:01

End Time:

22:13:00

Time On Btm:

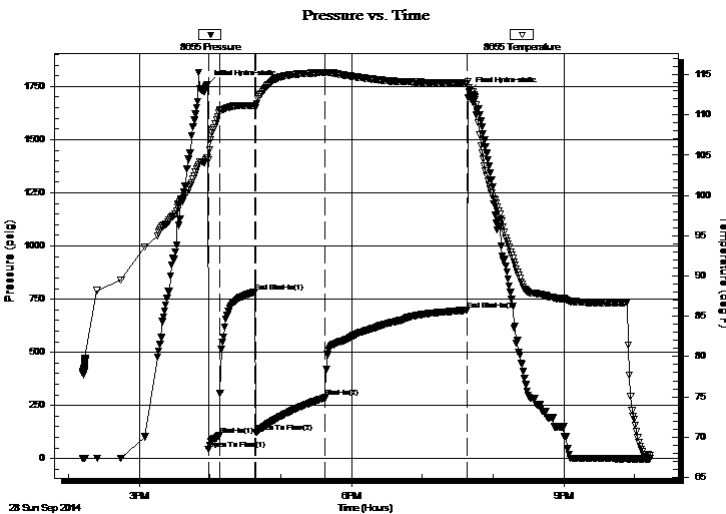
2014.09.28 @ 15:58:00

Time Off Btm:

2014.09.28 @ 19:39:30

**TEST COMMENT:** 10-IF-BOB in 6 mins.  
30-ISI-1 1/2" Return  
60-FF-BOB in 5 mins.  
120-FSI-BOB Return in 30 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1760.20	104.66	Initial Hydro-static
1	42.28	104.46	Open To Flow (1)
10	109.64	110.51	Shut-In(1)
40	782.91	111.11	End Shut-In(1)
41	123.58	110.90	Open To Flow (2)
100	286.53	115.26	Shut-In(2)
220	698.32	113.93	End Shut-In(2)
222	1727.30	113.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
441.00	MCW, 20%m, 80%w, with oil spots	5.09
113.00	SWGCM, 10%w, 20%g, 70%m	1.59
40.00	O, 100%o	0.56
0.00	GIP-534' 100%g	0.00

\* Recovery from multiple tests

## 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  
Mud Weight: 9.00 lb/gal  
Viscosity: 59.00 sec/qt  
Water Loss: 6.00 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 700.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 39 deg API  
Water Salinity: 99000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
441.00	MCW, 20%m, 80%w , with oil spots	5.093
113.00	SWGCM, 10%w , 20%g, 70%m	1.585
40.00	O, 100%o	0.561
0.00	GIP-534' 100%g	0.000

Total Length: 594.00 ft      Total Volume: 7.239 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: .09 @ 68 degrees = 99,000 Salinity  
Sample, 100ml/G, 100ml/M, 1800ml/O, PSI=400

