



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production, LLC

**22-11S-23W Trego, KS**

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

**Garrett Ranch #1-22**

Job Ticket: 59231 **DST#: 3**

Test Start: 2014.05.20 @ 00:13:03

## GENERAL INFORMATION:

Formation: **LKC "E-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:05:33  
 Time Test Ended: 05:47:03  
 Interval: **3566.00 ft (KB) To 3595.00 ft (KB) (TVD)**  
 Total Depth: 3595.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brannan L  
 Unit No: 48  
 Reference Elevations: 2267.00 ft (KB)  
 2262.00 ft (CF)  
 KB to GR/CF: 5.00 ft

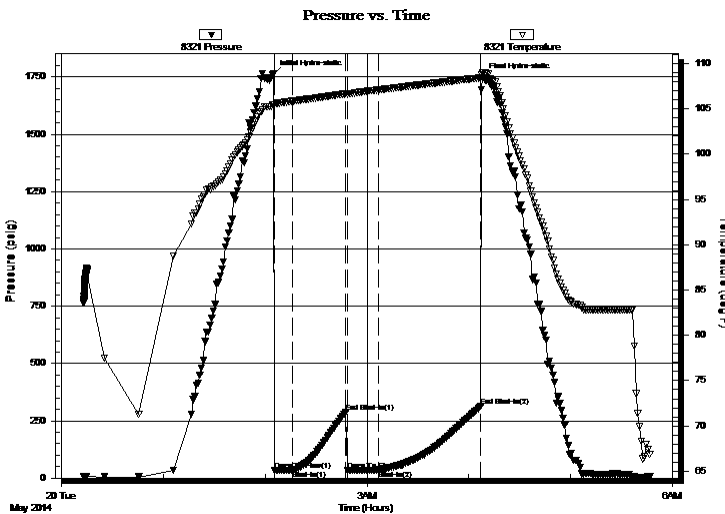
**Serial #: 8321**

**Outside**

Press @ Run Depth: 35.37 psig @ 3567.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.05.20 End Date: 2014.05.20 Last Calib.: 2014.05.20  
 Start Time: 00:13:04 End Time: 05:47:03 Time On Btm: 2014.05.20 @ 02:05:03  
 Time Off Btm: 2014.05.20 @ 04:08:03

**TEST COMMENT:** 10- IF- Weak surface blow  
 30- IS- No blow  
 20- FF- No blow  
 60- FSI- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.69	105.49	Initial Hydro-static
1	32.38	105.45	Open To Flow (1)
11	33.43	105.84	Shut-In(1)
43	288.48	106.66	End Shut-In(1)
44	34.53	106.63	Open To Flow (2)
62	35.37	107.09	Shut-In(2)
122	313.15	108.43	End Shut-In(2)
123	1746.29	109.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	M	0.02

\* Recovery from multiple tests

## 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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	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: Sampler: 2000mL M @ 140PSI

