



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production, LLC

5-11-23, Trego, KS

7851 S Elati ST STE 201
Littleton CO 80120

Ruder #1-5

Job Ticket: 48558

DST#: 1

ATTN: Bill Goff

Test Start: 2012.08.25 @ 03:15:00

GENERAL INFORMATION:

Formation: **KC"C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:44:30

Time Test Ended: 12:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3596.00 ft (KB) To 3633.00 ft (KB) (TVD)

Total Depth: 3633.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2324.00 ft (KB)

2316.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753 Inside

Press@RunDepth: 161.40 psig @ 3597.00 ft (KB)

Start Date: 2012.08.25

End Date:

2012.08.25

Start Time: 03:15:05

End Time:

12:05:00

Capacity: 8000.00 psig

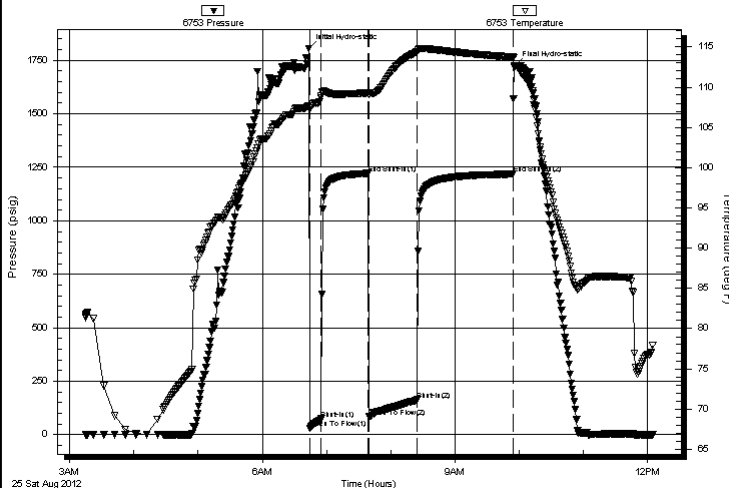
Last Calib.: 2012.08.25

Time On Btm: 2012.08.25 @ 06:43:30

Time Off Btm: 2012.08.25 @ 09:56:30

TEST COMMENT: IF-4in blow
ISI-No blow
FF-BOB in 43min
FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.81	107.68	Initial Hydro-static
1	31.28	107.42	Open To Flow (1)
12	74.17	108.90	Shut-In (1)
55	1221.88	109.28	End Shut-In (1)
56	83.26	109.02	Open To Flow (2)
101	161.40	114.37	Shut-In (2)
191	1218.37	113.74	End Shut-In (2)
193	1723.39	112.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	Water	2.69

Gas Rates

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

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Ruder #1-5

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DST#: 1

ATTN: Bill Goff

Test Start: 2012.08.25 @ 03:15:00

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: 100000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	Water	2.694

Total Length: 270.00 ft Total Volume: 2.694 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .08@70

Sampler Data 3000ml Water 350psi

Serial #: 6753

Inside

Cholla Production, LLC

Ruder #1-5

DST Test Number: 1

Pressure vs. Time

