



**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: 54476

DST#: 1

Test Start: 2013.10.16 @ 09:12:00

GENERAL INFORMATION:

Formation: **LKC "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:18:15

Time Test Ended: 16:12:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 53

Interval: 3502.00 ft (KB) To 3556.00 ft (KB) (TVD)

Reference Elevations: 2241.00 ft (KB)

Total Depth: 3556.00 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: 64.10 psig @ 3538.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.16 End Date: 2013.10.16

Last Calib.: 2013.10.16

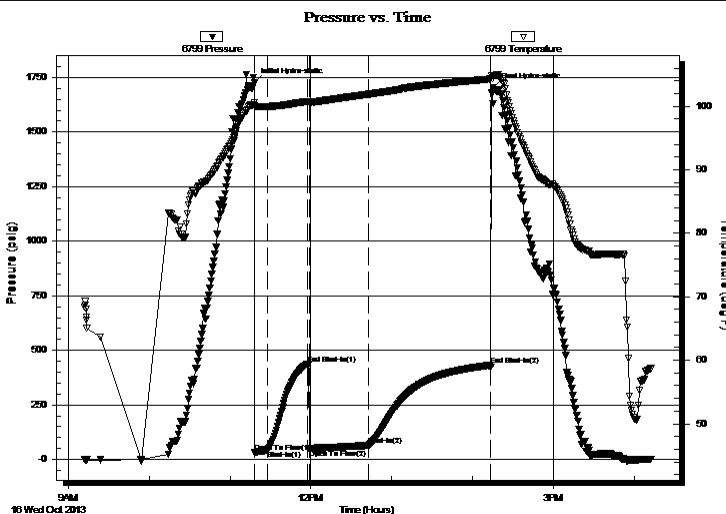
Start Time: 09:12:05 End Time: 16:12:29

Time On Btm: 2013.10.16 @ 11:18:00

Time Off Btm: 2013.10.16 @ 14:15:15

TEST COMMENT: 10 - IF- 2" blow
30 - IS- No return
45 - FF- 3" blow
90 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1724.64	100.53	Initial Hydro-static
1	34.03	100.06	Open To Flow (1)
10	42.13	99.97	Shut-In(1)
40	438.09	100.75	End Shut-In(1)
41	46.65	100.60	Open To Flow (2)
85	64.10	101.91	Shut-In(2)
176	431.80	104.28	End Shut-In(2)
178	1705.12	104.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GHOCM, 10%G, 40%O, 50%M	0.30
10.00	SOCM, 10%O, 90%M	0.05
0.00	30' of G.I.P.	0.00

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 54476

DST#: 1

ATTN: Justin Carter

Test Start: 2013.10.16 @ 09:12:00

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: 51.00 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
62.00	GHOCM, 10%G, 40%O, 50%M	0.305
10.00	SOCM, 10%O, 90%M	0.049
0.00	30' of G.I.P.	0.000

Total Length: 72.00 ft Total Volume: 0.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 300ml Oil, 700ml Mud PSI 160

