



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cholla Production LLC

Stithem #1-4

7851 S. Elati St. STE 201
Littleton, CO 80120

4/11s/23w Trego KS

ATTN: Bill Goff/ Kelly Bran 201

Job Ticket: 41339

DST#: 3

Test Start: 2010.12.13 @ 04:18:21

GENERAL INFORMATION:

Formation: **LKC "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:51:51

Time Test Ended: 11:30:51

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 47

Interval: 3594.00 ft (KB) To 3620.00 ft (KB) (TVD)

Reference Elevations: 2291.00 ft (KB)

Total Depth: 3620.00 ft (KB) (TVD)

2286.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8319

Inside

Press @ Run Depth: 73.46 psig @ 3598.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.12.13

End Date:

2010.12.13

Last Calib.:

2010.12.13

Start Time:

04:18:26

End Time:

11:30:50

Time On Btm:

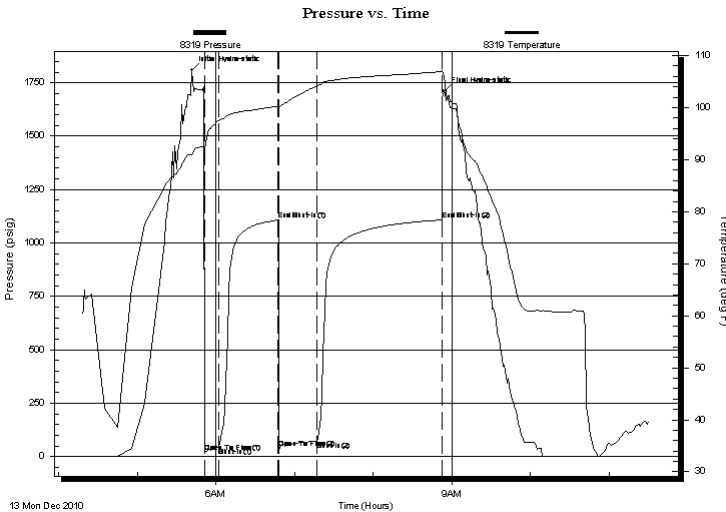
2010.12.13 @ 05:41:51

Time Off Btm:

2010.12.13 @ 08:53:51

TEST COMMENT: IF-Strong building blow . BOB in 9.5 minutes.
ISI-No Return.
FF-Strong building blow . BOB in 2 minutes.
FSI-Blow back @ 11 minutes. Built to 1/2 inch.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.18	90.96	Initial Hydro-static
10	19.12	92.08	Open To Flow (1)
20	45.40	97.43	Shut-In(1)
66	1107.82	100.25	End Shut-In(1)
67	39.40	99.90	Open To Flow (2)
96	73.46	104.18	Shut-In(2)
191	1108.05	106.96	End Shut-In(2)
192	1709.26	105.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	50%Mud/40%Oil/10%Gas	0.59
100.00	30%Mud/30%Oil/40%Gas	1.38
0.00	640' GIP	0.00

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

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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
120.00	50%Mud/40%Oil/10%Gas	0.590
100.00	30%Mud/30%Oil/40%Gas	1.375
0.00	640' GIP	0.000

Total Length: 220.00 ft

Total Volume: 1.965 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

