



**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: 59230

DST#: 2

Test Start: 2014.05.19 @ 09:44:09

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:03:09
 Time Test Ended: 16:00:39
 Interval: **3517.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Total Depth: 3548.00 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

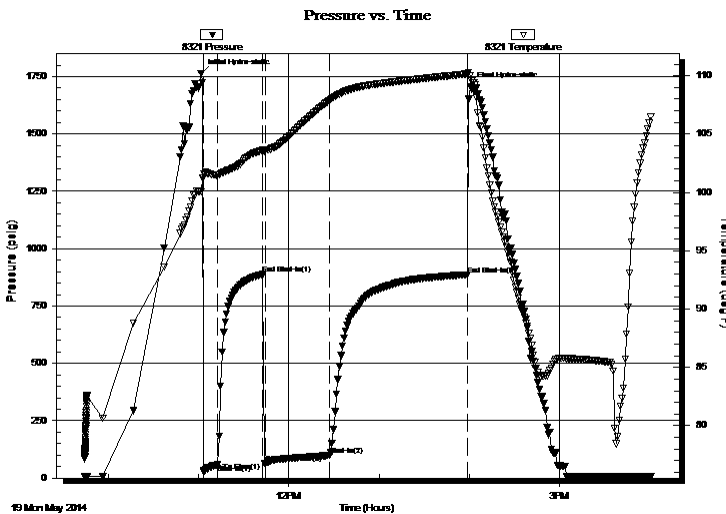
Serial #: 8321

Outside

Press @ Run Depth: 98.79 psig @ 3518.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.19 End Date: 2014.05.19 Last Calib.: 2014.05.19
 Start Time: 09:44:10 End Time: 16:00:39 Time On Btm: 2014.05.19 @ 11:01:39
 Time Off Btm: 2014.05.19 @ 14:00:39

TEST COMMENT: 10- IF- Built slow ly to 3"
 30- IS- No blow
 45- FF- BOB 37mins
 90- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.20	100.08	Initial Hydro-static
2	28.60	101.24	Open To Flow (1)
11	58.26	101.49	Shut-In(1)
41	887.96	103.62	End Shut-In(1)
43	64.30	103.55	Open To Flow (2)
86	98.79	107.89	Shut-In(2)
177	886.55	110.16	End Shut-In(2)
179	1707.86	110.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	GSOSWM, 5%G 5%O 10%W 80%M	1.19
0.00	85' GIP	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

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
165.00	GSOSWM, 5%G 5%O 10%W 80%M	1.187
0.00	85' GIP	0.000

Total Length: 165.00 ft Total Volume: 1.187 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler:400mL W & 1600mL O @ 60PSI

