



**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: 59229

DST#: 1

Test Start: 2014.05.18 @ 19:27:32

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:42:32

Time Test Ended: 03:39:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan L

Unit No: 48

Interval: 3496.00 ft (KB) To 3517.00 ft (KB) (TVD)

Reference Elevations: 2267.00 ft (KB)

Total Depth: 3517.00 ft (KB) (TVD)

2262.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8321 Outside

Press @ RunDepth: 79.62 psig @ 3497.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.18

End Date:

2014.05.19

Last Calib.:

2014.05.19

Start Time: 19:27:33

End Time:

03:39:32

Time On Btm:

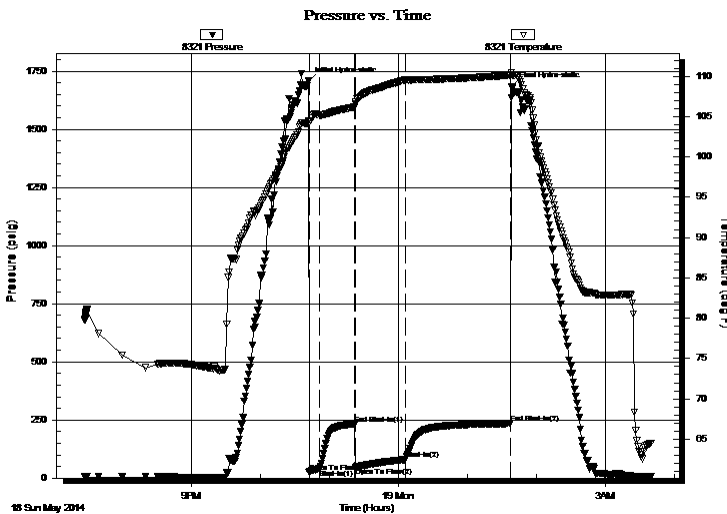
2014.05.18 @ 22:42:02

Time Off Btm:

2014.05.19 @ 01:38:32

TEST COMMENT: 10- IF- Slow ly built to 3"
30- IS- No blow
45- FF- Slow ly built to 7"
90- FSI- No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1706.62 | 104.47 | Initial Hydro-static |
| 1 | 25.23 | 104.28 | Open To Flow (1) |
| 9 | 39.79 | 105.20 | Shut-In(1) |
| 40 | 232.49 | 106.18 | End Shut-In(1) |
| 41 | 45.99 | 106.53 | Open To Flow (2) |
| 84 | 79.62 | 109.56 | Shut-In(2) |
| 175 | 234.71 | 110.12 | End Shut-In(2) |
| 177 | 1684.76 | 110.24 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 120.00 | MW w / oil spots, 40%M 60%W | 0.59 |
| | | |
| | | |
| | | |
| | | |

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: 6.00 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 |
|--------------|-----------------------------|----------------|
| 120.00 | MW w / oil spots, 40%M 60%W | 0.590 |

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mL W w / show of oil on top @ 180PSI

