



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Castle Resources

**16/2s/34w Rawlins KS**

PO Box 583  
Russell, KS 675665

**Worley #1**

Job Ticket: 63349

**DST#: 2**

ATTN: Jerry Green

Test Start: 2018.01.23 @ 14:45:00

## GENERAL INFORMATION:

Formation: **LKC "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:49:45

Time Test Ended: 20:34:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 4291.00 ft (KB) To 4360.00 ft (KB) (TVD)**

Total Depth: 4060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3133.00 ft (KB)

3128.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8017**

**Outside**

Press@RunDepth: 15.82 psig @ 4292.00 ft (KB)

Start Date: 2018.01.23

End Date: 2018.01.23

Start Time: 14:45:05

End Time: 20:34:29

Capacity: 8000.00 psig

Last Calib.: 2018.01.23

Time On Btm: 2018.01.23 @ 16:49:15

Time Off Btm: 2018.01.23 @ 18:17:00

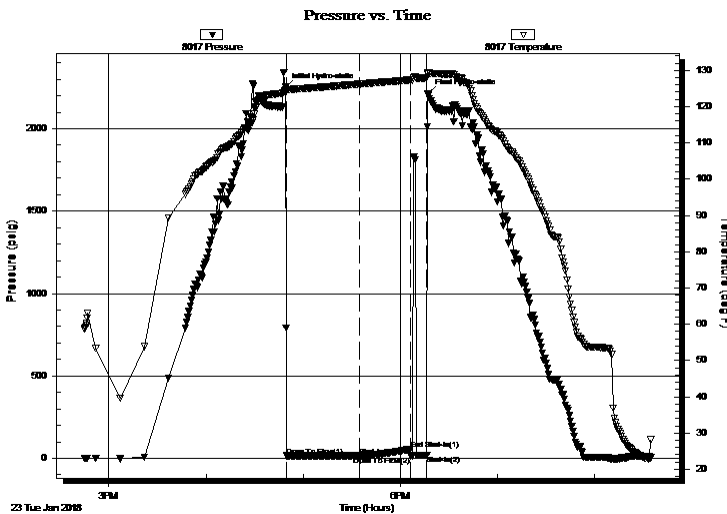
**TEST COMMENT:** 45 - IF: 1/4" Blow at open, built to 3/4", died back, dead at 42 min.

30 - IS: No blow

10 - FF: No blow, Flushed tool, surge then dead

Pulled Tool

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2251.79	124.66	Initial Hydro-static
1	14.69	124.25	Open To Flow (1)
46	15.82	126.21	Shut-In(1)
77	57.05	127.33	End Shut-In(1)
78	15.31	127.32	Open To Flow (2)
87	18.06	127.92	Shut-In(2)
88	2214.10	129.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.07

## Gas Rates

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

\* Recovery from multiple tests





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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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

