



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Castle Resources, Inc.

**24-8S-17W Rooks, KS**

PO Box 583  
Russell, KS 67665

**Chesney #1**

Job Ticket: 61751

**DST#: 1**

ATTN: Jerry Green

Test Start: 2019.11.08 @ 03:20:45

### GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:49:12

Time Test Ended: 11:24:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 49

Interval: **3122.00 ft (KB) To 3150.00 ft (KB) (TVD)**

Total Depth: 3150.00 ft (KB) (TVD)

Hole Diameter: 6.75 inches Hole Condition: Fair

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8648 Outside**

Press@RunDepth: 15.11 psig @ 3123.00 ft (KB)

Start Date: 2019.11.08

End Date:

2019.11.08

Start Time: 03:20:46

End Time:

11:24:32

Capacity: 8000.00 psig

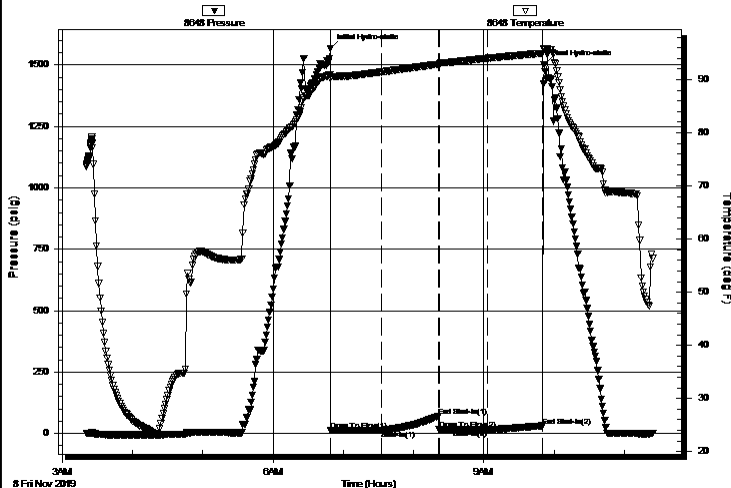
Last Calib.: 2019.11.08

Time On Btm: 2019.11.08 @ 06:49:02

Time Off Btm: 2019.11.08 @ 09:51:22

TEST COMMENT: 45- IF- Slow ly built to 0.80"  
45- IS- No blow  
45- FF- Slow ly built to 0.46"  
45- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

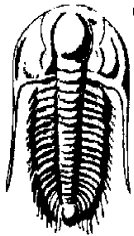
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1567.56         | 90.97        | Initial Hydro-static |
| 1           | 13.09           | 90.23        | Open To Flow (1)     |
| 44          | 14.01           | 91.46        | Shut-In (1)          |
| 92          | 70.07           | 92.90        | End Shut-In (1)      |
| 93          | 15.25           | 92.89        | Open To Flow (2)     |
| 135         | 15.11           | 94.04        | Shut-In (2)          |
| 181         | 31.17           | 94.97        | End Shut-In (2)      |
| 183         | 1501.34         | 95.85        | Final Hydro-static   |

Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 15.00       | Mw / oil spots in tool | 0.21         |
|             |                        |              |
|             |                        |              |
|             |                        |              |
|             |                        |              |

Gas Rates

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



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## DRILL STEM TEST REPORT

### FLUID SUMMARY

Castle Resources, Inc.

**24-8S-17W Rooks, KS**

PO Box 583  
Russell, KS 67665

**Chesney #1**

Job Ticket: 61751

**DST#: 1**

ATTN: Jerry Green

Test Start: 2019.11.08 @ 03:20:45

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 8.19 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 5500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description            | Volume<br>bbl |
|--------------|------------------------|---------------|
| 15.00        | Mw / oil spots in tool | 0.213         |

Total Length: 15.00 ft

Total Volume: 0.213 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

