



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Co, Inc

**5 10s 26w Sheridan, Ks**

301 S Yale Ave.  
Tulsa, Ok 74135

**Riedel #1-5**

Job Ticket: 63455

**DST#: 5**

ATTN: Richard Bell

Test Start: 2016.10.26 @ 13:40:00

## GENERAL INFORMATION:

Formation: **LKC - H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:08:45

Time Test Ended: 22:30:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 3978.00 ft (KB) To 4006.00 ft (KB) (TVD)**

Reference Elevations: 2653.00 ft (KB)

Total Depth: 4006.00 ft (KB) (TVD)

2643.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8365**

**Inside**

Press @ Run Depth: 144.43 psig @ 3979.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.26

End Date:

2016.10.26

Last Calib.:

2016.10.26

Start Time: 13:40:05

End Time:

22:30:15

Time On Btm:

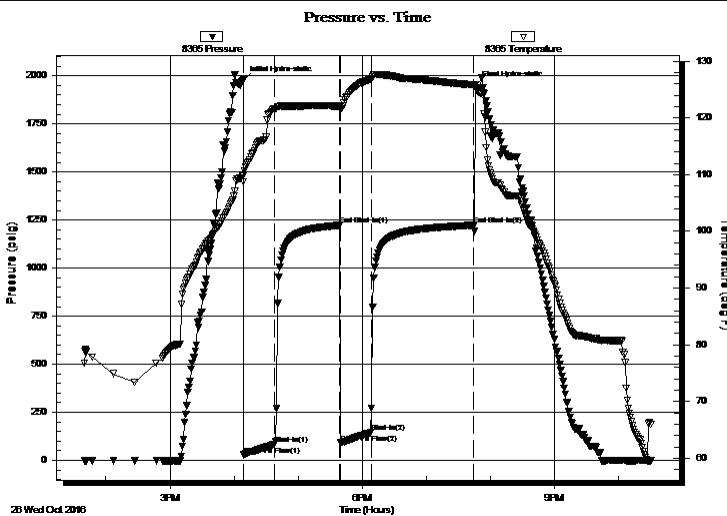
2016.10.26 @ 16:08:30

Time Off Btm:

2016.10.26 @ 19:45:45

**TEST COMMENT:** IF: BOB @ 4 min.  
IS: 1" return died @ 20 minutes.  
FF: BOB @ 6 min.  
FS: 7" return Died @ 32 minutes.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1977.47	109.82	Initial Hydro-static
1	28.30	108.75	Open To Flow (1)
30	84.56	121.65	Shut-In(1)
91	1222.72	122.05	End Shut-In(1)
92	91.45	121.41	Open To Flow (2)
120	144.43	126.80	Shut-In(2)
216	1223.05	125.79	End Shut-In(2)
218	1948.58	125.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
210.00	go 40g 60o	2.95
150.00	gmco 40g 30m 30o	2.10
0.00	1340' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests





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## FLUID SUMMARY

Culbreath Oil & Gas Co, Inc

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301 S Yale Ave.  
Tulsa, Ok 74135

**Riedel #1-5**

Job Ticket: 63455

**DST#: 5**

ATTN: Richard Bell

Test Start: 2016.10.26 @ 13:40:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1750.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	go 40g 60o	2.946
150.00	gmco 40g 30m 30o	2.104
0.00	1340' GIP	0.000

Total Length: 360.00 ft

Total Volume: 5.050 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8365

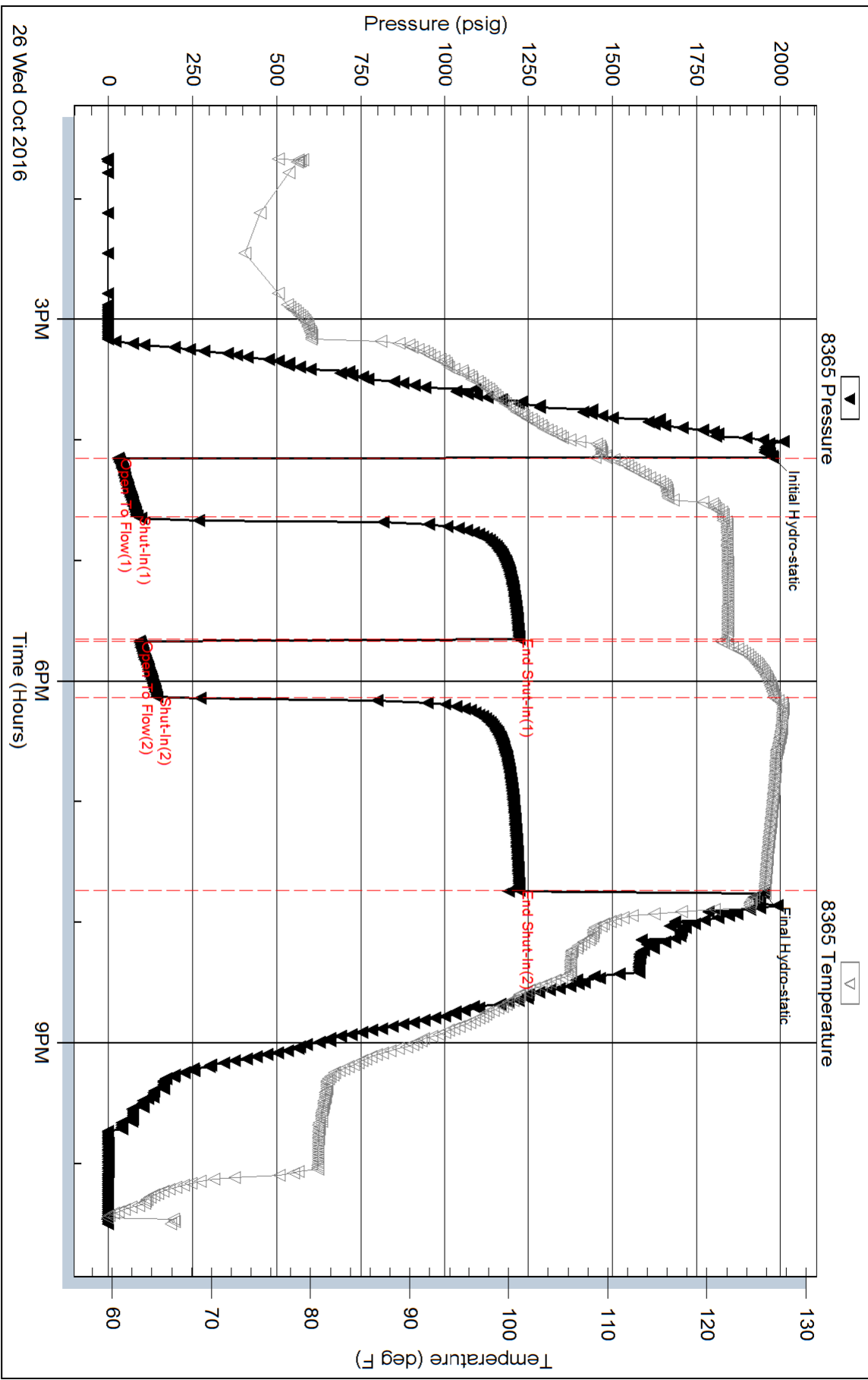
Inside

Culbreath Oil & Gas Co, Inc

Riedel #1-5

DST Test Number: 5

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63455

Printed: 2016.10.27 @ 08:11:01

Serial #: 8845

Outside Culbreath Oil & Gas Co, Inc

Riedel #1-5

DST Test Number: 5

