



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

**28-11s-32w Logan Co**

3501 S Yale Ave  
Tulsa Ok  
74135  
ATTN: Steve Murphy

**H Drieling Trust1-28**

Job Ticket: 61447      **DST#: 5**  
Test Start: 2015.08.03 @ 06:33:15

## GENERAL INFORMATION:

Formation: **J**  
 Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 08:05:30      Tester: Mike Roberts  
 Time Test Ended: 13:11:30      Unit No: 65  
**Interval: 4258.00 ft (KB) To 4284.00 ft (KB) (TVD)**      Reference Elevations: 3078.00 ft (KB)  
 Total Depth: 4284.00 ft (KB) (TVD)      3073.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

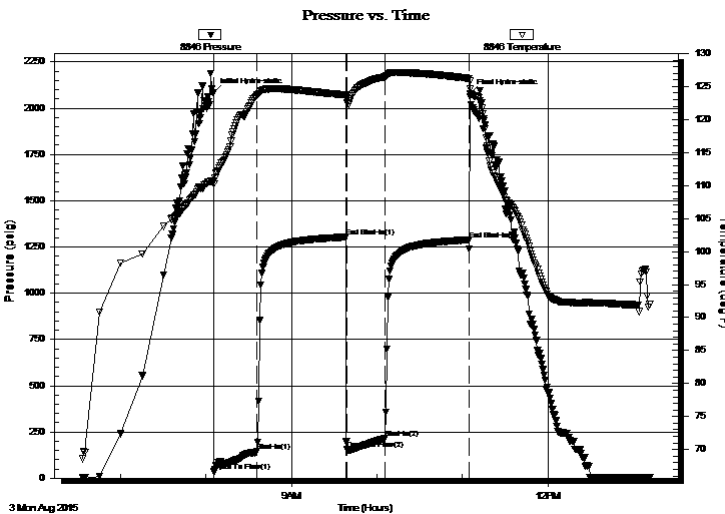
## Serial #: 8846

Inside

Press@RunDepth: 214.61 psig @ 4279.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.08.03      End Date: 2015.08.03      Last Calib.: 2015.08.03  
 Start Time: 06:33:15      End Time: 13:11:30      Time On Btm: 2015.08.03 @ 08:05:15  
 Time Off Btm: 2015.08.03 @ 11:05:15

TEST COMMENT: IF:BOB in 7 min.  
 IS:Built to 2" blow  
 FF:BOB in 7 min.  
 FS:BOB in 37 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2086.08	110.61	Initial Hydro-static
1	34.62	110.27	Open To Flow (1)
31	145.49	123.66	Shut-In(1)
93	1303.29	123.69	End Shut-In(1)
94	156.96	123.16	Open To Flow (2)
121	214.61	126.48	Shut-In(2)
180	1288.78	126.21	End Shut-In(2)
180	2076.57	125.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
118.00	w ogm 5%w 20%o 35%g 40%m	0.58
62.00	w omg 2%w 13%o 20%m 65%g	0.87
62.00	mcgo 14%m 26%g 60%o	0.87
310.00	gco 30%g 70%o	4.35
0.00	GIP= 2604 ft	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Culbreath Oil & Gas Company Inc.

**28-11s-32w Logan Co**

3501 S Yale Ave  
Tulsa Ok  
74135

**H Drieling Trust1-28**

Job Ticket: 61447

**DST#: 5**

ATTN: Steve Murphy

Test Start: 2015.08.03 @ 06:33:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
118.00	w ogm 5%w 20%o 35%g 40%m	0.580
62.00	w omg 2%w 13%o 20%m 65%g	0.870
62.00	mcgo 14%m 26%g 60%o	0.870
310.00	gco 30%g 70%o	4.348
0.00	GIP= 2604 ft	0.000

Total Length: 552.00 ft

Total Volume: 6.668 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 39 @ 90 corrected to 36 @ 60

RW= .23@94.1\*= 25,000 ppm

