



**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: 61445      **DST#: 3**  
Test Start: 2015.08.01 @ 22:09:15

## GENERAL INFORMATION:

Formation: **E-F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:49:30  
 Time Test Ended: 04:25:30  
 Interval: **4124.00 ft (KB) To 4156.00 ft (KB) (TVD)**  
 Total Depth: 4156.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3078.00 ft (KB)  
 3073.00 ft (CF)  
 KB to GR/CF: 5.00 ft

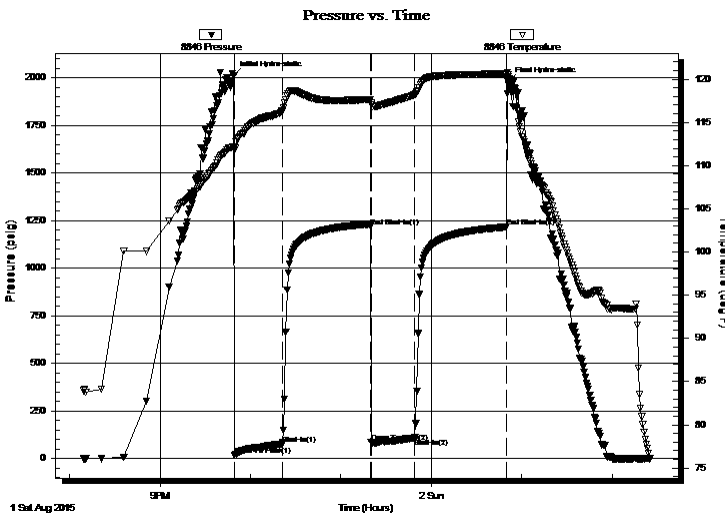
## Serial #: 8846

Inside

Press @ Run Depth: 108.46 psig @ 4151.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.08.01      End Date: 2015.08.02      Last Calib.: 2015.08.02  
 Start Time: 20:09:15      End Time: 02:25:30      Time On Btm: 2015.08.01 @ 21:49:00  
 Time Off Btm: 2015.08.02 @ 00:51:00

TEST COMMENT: IF:BOB in 15 min.  
 IS:Built to weak surface blow and died in 15 min  
 FF:BOB in 15 min.  
 FS:Built to weak surface blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2010.97	112.19	Initial Hydro-static
1	19.29	111.84	Open To Flow (1)
32	77.23	116.28	Shut-In(1)
91	1219.89	117.62	End Shut-In(1)
91	87.54	117.23	Open To Flow (2)
120	108.46	118.18	Shut-In(2)
181	1216.55	120.59	End Shut-In(2)
182	1978.50	120.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 372 ft	0.00
59.00	gcom 3%g 12%o 85%m	0.29
59.00	gcmo 20%g 20%m 60%o	0.29
62.00	mcgo 10% m 20%g 70%o	0.87
67.00	gco 20%g 80%o	0.94

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	GIP= 372 ft	0.000
59.00	gcom 3%g 12%o 85%m	0.290
59.00	gcmo 20%g 20%m 60%o	0.290
62.00	mcgo 10% m 20%g 70%o	0.870
67.00	gco 20%g 80%o	0.940

Total Length: 247.00 ft      Total Volume: 2.390 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 39 @80 corrected to 37@ 60

