



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: 61446 **DST#: 4**
Test Start: 2015.08.02 @ 15:24:15

GENERAL INFORMATION:

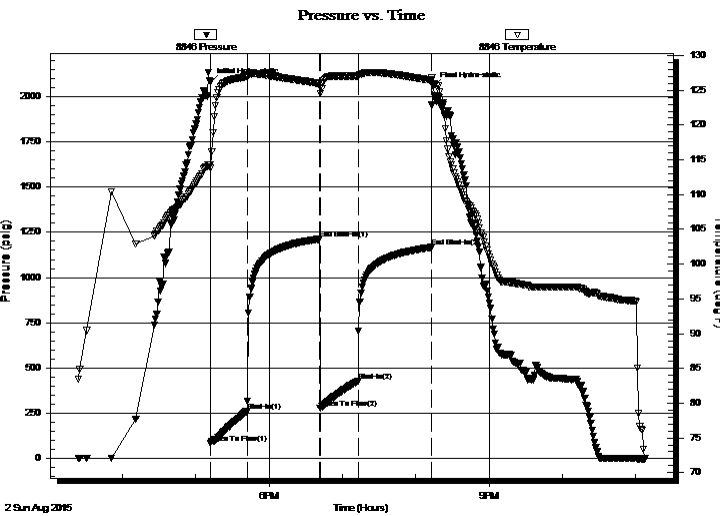
Formation: **I**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **17:12:15** Tester: **Mike Roberts**
 Time Test Ended: **23:07:45** Unit No: **65**
Interval: 4234.00 ft (KB) To 4260.00 ft (KB) (TVD) Reference Elevations: **3078.00 ft (KB)**
 Total Depth: **4260.00 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 @ Run Depth: **428.32 psig @ 4255.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2015.08.02** End Date: **2015.08.02** Last Calib.: **2015.08.02**
 Start Time: **15:24:15** End Time: **23:07:45** Time On Btm: **2015.08.02 @ 17:12:00**
 Time Off Btm: **2015.08.02 @ 20:14:15**

TEST COMMENT: IF:BOB in 2 min.
 IS:Bled off for 8 min BOB in 4 min. died back to 8" blow
 FF:BOB in 3 min.
 FS:Built to 7" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.23	114.25	Initial Hydro-static
1	84.76	113.78	Open To Flow (1)
30	261.60	126.98	Shut-In(1)
90	1212.68	125.98	End Shut-In(1)
90	278.73	125.40	Open To Flow (2)
121	428.32	127.06	Shut-In(2)
181	1166.85	126.45	End Shut-In(2)
183	2056.27	125.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1482.00	gco 40%g 60%o	19.71
0.00	GIP= 2108 ft	0.00

* 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:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

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 bbl
1482.00	gco 40%g 60%o	19.714
0.00	GIP= 2108 ft	0.000

Total Length: 1482.00 ft Total Volume: 19.714 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 36 @ 60 = 36

Pressure vs. Time

