



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

New Gulf Operating LLC

**17-12-32**

6310 E 102nd ST  
Tulsa OK, 74137

**Zerr 1**

ATTN: Curtis Covey

Job Ticket: 042141

**DST#: 1**

Test Start: 2011.09.25 @ 04:40:00

## GENERAL INFORMATION:

Formation: **Lansing "A-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:34:30

Time Test Ended: 13:31:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 28

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

Reference Elevations: 3004.00 ft (KB)

Total Depth: 4108.00 ft (KB) (TVD)

2994.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 484.87 psig @ 4004.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.25

End Date: 2011.09.25

Last Calib.: 2011.09.25

Start Time: 04:40:01

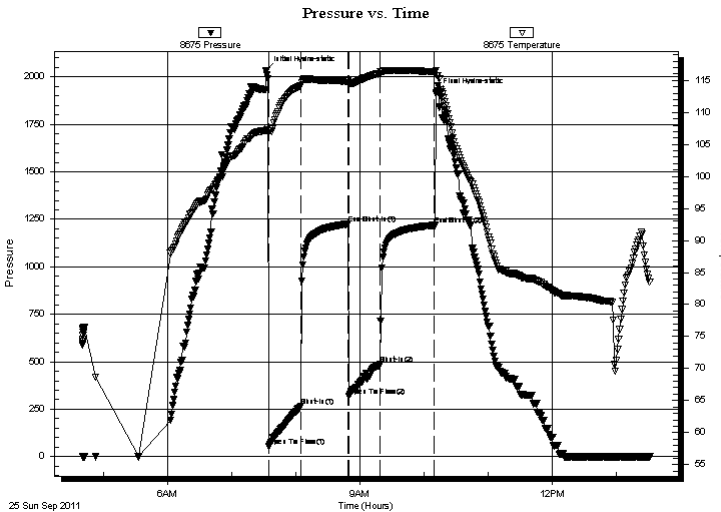
End Time: 13:31:45

Time On Btm: 2011.09.25 @ 07:32:00

Time Off Btm: 2011.09.25 @ 10:11:00

**TEST COMMENT:** B.O.B. in 4 1/2 min.  
Built to 1" return blow  
B.O.B. in 5 min.  
Weak surface return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.45	107.19	Initial Hydro-static
3	54.07	107.17	Open To Flow (1)
33	264.55	114.18	Shut-In(1)
77	1225.52	114.90	End Shut-In(1)
78	316.83	114.33	Open To Flow (2)
107	484.87	116.11	Shut-In(2)
158	1219.22	116.38	End Shut-In(2)
159	1916.80	116.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Free Oil	0.21
310.00	gcow m 10%G 20%O 30%W 40%M	4.35
372.00	ocgw m 10%O 20%G 20%W 50%M	5.22
186.00	gcomw 10%G 20%O 30%M 40%W	2.61

## Gas Rates

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



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## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

65000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	100% Free Oil	0.210
310.00	gcow m 10%G 20%O 30%W 40%M	4.348
372.00	ocgw m 10%O 20%G 20%W 50%M	5.218
186.00	gcomw 10%G 20%O 30%M 40%W	2.609

Total Length: 883.00 ft      Total Volume: 12.385 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 37 @ 90 F = 34 RW: .15 @ 80 F= 65,000

