



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

New Gulf Operating  
6310 E 102nd St  
Tulsa, Ok 74134  
ATTN: Curtis Covey

**Dale #1**  
**33-17-34 Scott, KS**  
Job Ticket: 042692      **DST#: 3**  
Test Start: 2011.06.24 @ 02:26:52

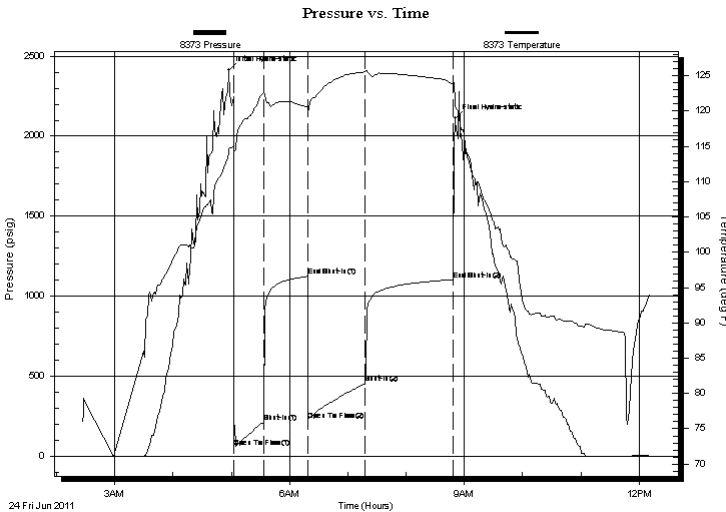
## GENERAL INFORMATION:

Formation: **Marmaton**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 05:02:47  
Time Test Ended: 12:11:47  
Interval: **4474.00 ft (KB) To 4573.00 ft (KB) (TVD)**  
Total Depth: 4573.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Brandon Turley  
Unit No: 35  
Reference Elevations: 3145.00 ft (KB)  
3135.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8373      Inside**  
Press @ Run Depth: 455.82 psig @ 4475.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.06.24      End Date: 2011.06.24      Last Calib.: 2011.06.24  
Start Time: 02:26:52      End Time: 12:11:47      Time On Btm: 2011.06.24 @ 04:57:32  
Time Off Btm: 2011.06.24 @ 08:50:31

**TEST COMMENT:** IF: 1/4 blow BOB in 7 min.  
IS: No return.  
FF: BOB in 12 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2411.05	114.59	Initial Hydro-static
6	58.22	114.19	Open To Flow (1)
36	213.00	122.60	Shut-In(1)
82	1124.27	120.57	End Shut-In(1)
82	223.62	119.98	Open To Flow (2)
141	455.82	125.57	Shut-In(2)
232	1102.63	123.80	End Shut-In(2)
233	2111.42	121.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	gocmw 20%g 20%o 50%w 10%m	1.74
186.00	gocmw 30%g 20%o 30%w 20%m	2.61
434.00	gocw m 20%g 30%o 20%w 30%m	6.09
226.00	mw co 50%o 30%w 20%m	3.17
0.00	GIP 124	0.00

## Gas Rates

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



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**FLUID SUMMARY**

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Job Ticket: 042692

**DST#: 3**

ATTN: Curtis Covey

Test Start: 2011.06.24 @ 02:26:52

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 59.00 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: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	gocmw 20%g 20%o 50%w 10%m	1.739
186.00	gocmw 30%g 20%o 30%w 20%m	2.609
434.00	gocw m 20%g 30%o 20%w 30%m	6.088
226.00	mw co 50%o 30%w 20%m	3.170
0.00	GIP 124	0.000

Total Length: 970.00 ft      Total Volume: 13.606 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .24@82=25000

