



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

30-14s-17w-Ellis

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Chris Mitchell

Grabbe Trust #1-30

Job Ticket: 48736 **DST#: 2**

Test Start: 2012.11.23 @ 16:06:44

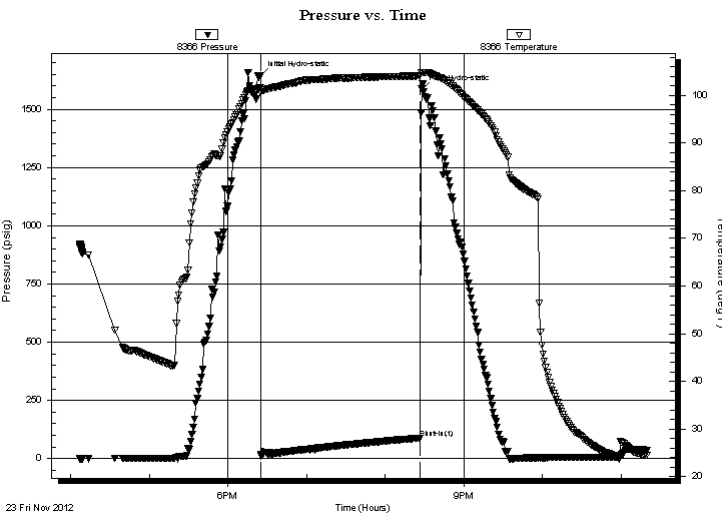
GENERAL INFORMATION:

Formation: **C**
 Deviated: **No** Whipstock: **0.00 ft (KB)**
 Time Tool Opened: 18:24:59
 Time Test Ended: 23:19:29
 Interval: **3240.00 ft (KB) To 3261.00 ft (KB) (TVD)**
 Total Depth: **3619.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** Hole Condition: **Good**
 Test Type: **Conventional Straddle (Reset)**
 Tester: **Jason McLemore**
 Unit No: **54**
 Reference Elevations: **1946.00 ft (KB)**
1936.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8366 **Inside**

Press @ Run Depth: **psig @ 3242.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.11.23** End Date: **2012.11.23** Last Calib.: **2012.11.23**
 Start Time: **16:06:46** End Time: **23:19:29** Time On Btm: **2012.11.23 @ 18:24:44**
 Time Off Btm: **2012.11.23 @ 20:27:44**

TEST COMMENT: 120 Min. IFP-Weak Blow , Built to 4" , Pull Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.48	101.57	Initial Hydro-static
1	12.45	100.58	Open To Flow (1)
122	88.57	104.10	Shut-In(1)
123	1586.47	104.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Muddy Water	2.10

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 6.39 in³

Resistivity: ohm.m

Salinity: 4400.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 65000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Muddy Water	2.104

Total Length: 150.00 ft Total Volume: 2.104 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

