



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources, Inc.

**3-17s-34w Scott Co.**

1616 S Voss RD STE 600  
Houston, TX 77057

**Decker #2-3**

Job Ticket: 54750

**DST#: 1**

ATTN: Terry Mcleod

Test Start: 2013.11.18 @ 07:52:00

## GENERAL INFORMATION:

Formation: **Marmaton & Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:47:15

Time Test Ended: 17:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

Interval: **4431.00 ft (KB) To 4520.00 ft (KB) (TVD)**

Reference Elevations: 3118.00 ft (KB)

Total Depth: 4520.00 ft (KB) (TVD)

3108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8845 Outside**

Press @ Run Depth: 838.69 psig @ 4432.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.18

End Date:

2013.11.18

Last Calib.:

2013.11.04

Start Time: 07:52:05

End Time:

17:50:00

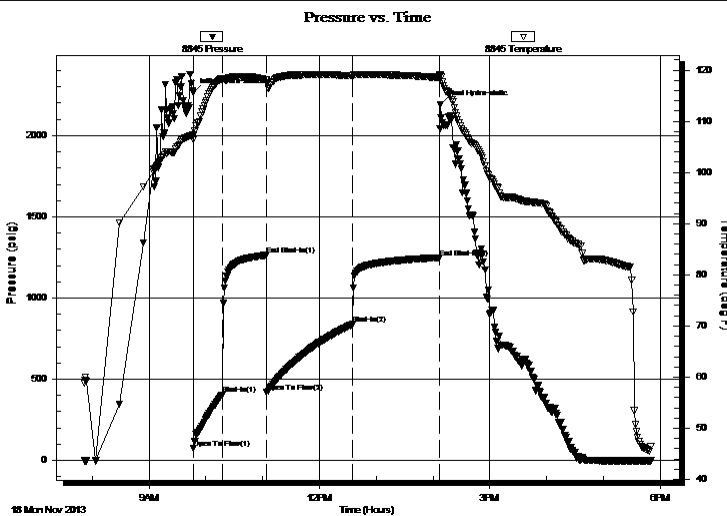
Time On Btm:

2013.11.18 @ 09:47:00

Time Off Btm:

2013.11.18 @ 14:08:00

**TEST COMMENT:** IF: BOB @ 3 min.  
IS: Bled off for 6 min. BOB Return @ 17 min.  
FF: BOB @ 2 min.  
FS: Bled off for 6 min. 5" Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.97	107.31	Initial Hydro-static
1	72.32	106.39	Open To Flow (1)
31	404.46	118.37	Shut-In(1)
77	1264.02	118.09	End Shut-In(1)
78	418.10	117.51	Open To Flow (2)
169	838.69	118.96	Shut-In(2)
260	1248.69	118.59	End Shut-In(2)
261	2189.88	118.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 20g 30o 50m	0.59
2030.00	GO 20g 80o	27.39
0.00	440' GIP	0.00

## Gas Rates

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



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 20g 30o 50m	0.590
2030.00	GO 20g 80o	27.392
0.00	440' GIP	0.000

Total Length: 2150.00 ft      Total Volume: 27.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity: 26 @ 60 degrees= 26 deg API

