



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Castelli Exploration Inc.  
6908 N.W. 112th St.  
Oklahoma City Ok.73162  
ATTN: Rick Popp

**5-25s-16w Edwards Ks.**

**Julian #4-5**

Job Ticket: 52367

**DST#: 2**

Test Start: 2013.10.27 @ 12:54:37

## GENERAL INFORMATION:

Formation: **Lans.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:30:52  
 Time Test Ended: 18:57:22  
 Interval: **3966.00 ft (KB) To 4000.00 ft (KB) (TVD)**  
 Total Depth: 4045.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Gary Pevoteaux  
 Unit No: 56  
 Reference Elevations: 2090.00 ft (KB)  
 2082.00 ft (CF)  
 KB to GR/CF: 8.00 ft

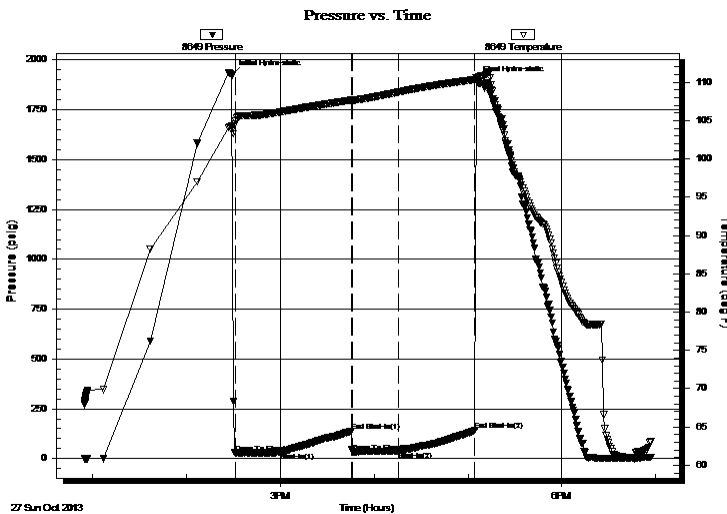
## Serial #: 8649

Inside

Press @ Run Depth: 37.20 psig @ 3967.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.27 End Date: 2013.10.27 Last Calib.: 2013.10.27  
 Start Time: 12:54:38 End Time: 18:57:22 Time On Btm: 2013.10.27 @ 14:28:52  
 Time Off Btm: 2013.10.27 @ 17:05:22

TEST COMMENT: IF: Strong blow . B.O.B. in 1 min.  
 IS: No blow .  
 FF: Fair blow . Increase to 14".  
 FS: No blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.08	104.24	Initial Hydro-static
2	28.81	104.62	Open To Flow (1)
32	31.10	106.12	Shut-In(1)
77	139.01	107.67	End Shut-In(1)
77	33.84	107.63	Open To Flow (2)
107	37.20	108.71	Shut-In(2)
156	140.97	110.34	End Shut-In(2)
157	1897.47	110.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	490 ft. of GIP	0.00
40.00	SO,&GCM 2%o 7%g 91%m	0.56

## 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

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

8000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	490 ft. of GIP	0.000
40.00	SO, <u>&amp;</u> GCM 2% <u>o</u> 7% <u>g</u> 91% <u>m</u>	0.561

Total Length: 40.00 ft      Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

