



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Castelli Exploration, Inc.  
 6908 NW 112TH  
 Oklahoma City, OK 73162  
 ATTN: Rick Pope

**JENNA PAIGE #1-20**  
**20-31s-16w-CM-KS**  
 Job Ticket: 38798 **DST#: 1**  
 Test Start: 2010.09.08 @ 03:02:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle  
 Time Tool Opened: 06:00:10 Tester: Jake Fahrenbruch  
 Time Test Ended: 13:09:40 Unit No: 43  
**Interval: 5016.00 ft (KB) To 5030.00 ft (KB) (TVD)** Reference Elevations: 2018.00 ft (KB)  
 Total Depth: 5270.00 ft (KB) (TVD) 2005.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

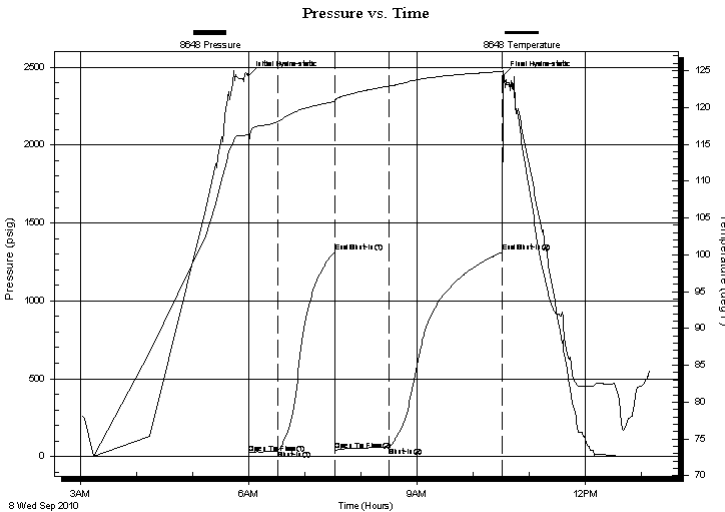
## Serial #: 8648

Inside

Press @ Run Depth: 61.65 psig @ 5017.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.09.08 End Date: 2010.09.08 Last Calib.: 2010.09.08  
 Start Time: 03:02:05 End Time: 13:09:40 Time On Btm: 2010.09.08 @ 05:59:20  
 Time Off Btm: 2010.09.08 @ 10:32:09

**TEST COMMENT:** IF: Weak blow, built to 9" in bucket.  
 IS: Bled off, no blow back.  
 FF: Weak blow, built to 11" in bucket.  
 FS: Bled off, no blow back.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2448.04	116.23	Initial Hydro-static
1	23.58	115.15	Open To Flow (1)
32	38.17	118.10	Shut-In(1)
93	1316.25	120.78	End Shut-In(1)
93	41.30	120.74	Open To Flow (2)
152	61.65	122.90	Shut-In(2)
272	1312.94	124.89	End Shut-In(2)
273	2443.39	124.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 10%o 90%m	0.25
60.00	GOWCM 15%g5%o20%w 60%m	0.30

## 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:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	OCM 10%o 90%m	0.246
60.00	GOWCM 15%g5%o20%w 60%m	0.295

Total Length: 110.00 ft      Total Volume: 0.541 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time

