



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Herman L. Loeb, LLC.  
 P.O. Box 838  
 Lawrenceville, IL 62439  
 ATTN: Jon Christensen

**5-35s-12w Barber Co.**  
**School Trust 22-5**  
 Job Ticket: 51957      **DST#: 3**  
 Test Start: 2014.02.16 @ 04:05:36

## GENERAL INFORMATION:

Formation: **Mississippi Lime**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 07:04:36  
 Time Test Ended: 13:06:51  
 Interval: **4928.00 ft (KB) To 4980.00 ft (KB) (TVD)**  
 Total Depth: 4980.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 1477.00 ft (KB)  
 1468.00 ft (CF)  
 KB to GR/CF: 9.00 ft

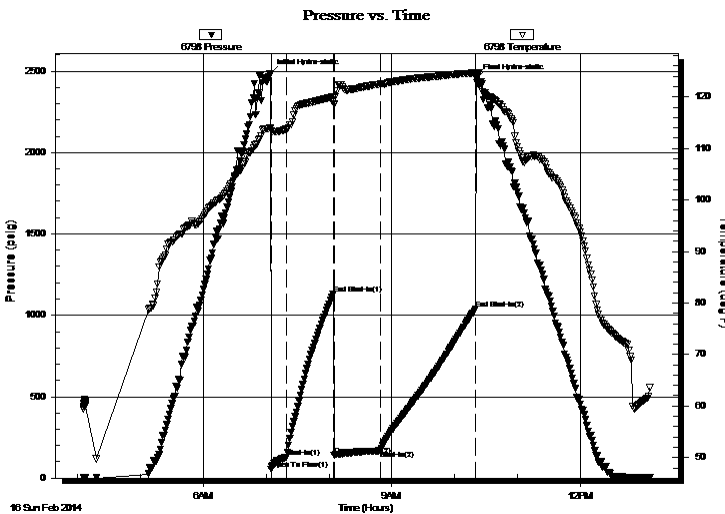
## Serial #: 6798

Inside

Press @ Run Depth: 168.47 psig @ 4929.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.02.16      End Date: 2014.02.16      Last Calib.: 2014.02.16  
 Start Time: 04:05:37      End Time: 13:06:51      Time On Btm: 2014.02.16 @ 07:03:51  
 Time Off Btm: 2014.02.16 @ 10:20:51

TEST COMMENT: IF: Fair Blow , Built to 9 inches  
 IS: No Blow Back  
 FF: Fair Blow , Built to 8 inches  
 FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2486.23	113.97	Initial Hydro-static
1	55.23	113.42	Open To Flow (1)
16	128.77	113.76	Shut-In(1)
61	1131.63	120.02	End Shut-In(1)
61	138.14	118.54	Open To Flow (2)
106	168.47	122.49	Shut-In(2)
196	1037.20	124.66	End Shut-In(2)
197	2454.18	124.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	189 GIP	0.00
124.00	GMCW 2%G 24%M 74%W	0.61
63.00	SGOMCW 2%G 2%O 36%M 60%W	0.31
121.00	SGOCM 5%G 5%O 90%M	1.41

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m <sup>3</sup> /d)



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Deviated: No Whipstock: 0.00 ft (KB)		Tester: Leal Cason
Time Tool Opened: 07:04:36		Unit No: 74
Time Test Ended: 13:06:51		Reference Elevations: 1477.00 ft (KB)
<b>Interval: 4928.00 ft (KB) To 4980.00 ft (KB) (TVD)</b>		1468.00 ft (CF)
Total Depth: 4980.00 ft (KB) (TVD)		KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good	

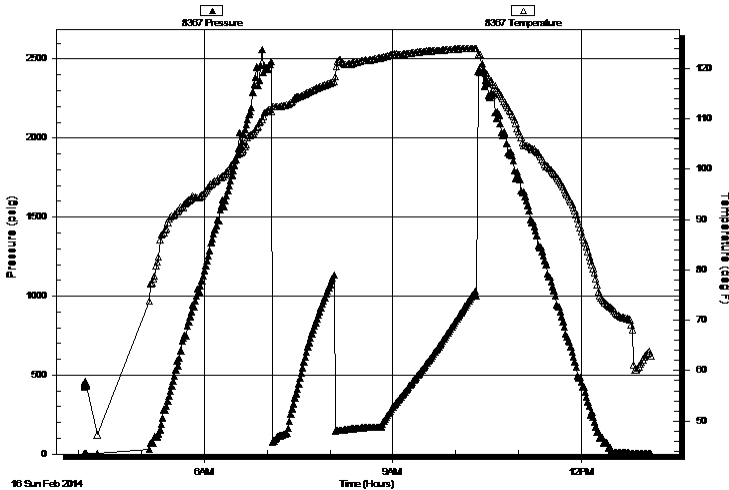
## Serial #: 8367

**Outside**

Press @ Run Depth:                        psig @ 4929.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2014.02.16                    End Date: 2014.02.16	Last Calib.: 2014.02.16
Start Time: 04:05:37                      End Time: 13:06:51	Time On Btm:
	Time Off Btm:

**TEST COMMENT:** IF: Fair Blow, Built to 9 inches  
IS: No Blow Back  
FF: Fair Blow, Built to 8 inches  
FS: No Blow Back

## Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	189 GIP	0.00
124.00	GMCW 2%G 24%M 74%W	0.61
63.00	SGOMCW 2%G 2%O 36%M 60%W	0.31
121.00	SGOCM 5%G 5%O 90%M	1.41

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m³/d)

\* Recovery from multiple tests



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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: 125000 ppm	
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	189 GIP	0.000
124.00	GMCW 2%G 24%M 74%W	0.610
63.00	SGOMCW 2%G 2%O 36%M 60%W	0.310
121.00	SGOCM 5%G 5%O 90%M	1.415

Total Length: 308.00 ft      Total Volume: 2.335 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW w as .08 @ 60 degrees

### Pressure vs. Time

