



## DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838  
Lawrenceville IL 62439

ATTN: Jon Christensen

**Peters D #3-10**

**10-16s-26w Ness,KS**

Start Date: 2012.06.15 @ 19:35:02

End Date: 2012.06.16 @ 03:36:02

Job Ticket #: 49252                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

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Herman L. Loeb, LLC  
10-16s-26w Ness,KS  
Peters D #3-10  
DST # 2  
Fort Scott/Cherokee  
2012.06.15



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**10-16s-26w Ness, KS**  
**Peters D #3-10**  
 Job Ticket: 49252 **DST#: 2**  
 Test Start: 2012.06.15 @ 19:35:02

## GENERAL INFORMATION:

Formation: **Fort Scott/Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:02:32

Time Test Ended: 03:36:02

Interval: **4436.00 ft (KB) To 4484.00 ft (KB) (TVD)**

Total Depth: 4484.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Reference Elevations: 2632.00 ft (KB)

2621.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6753**

**Inside**

Press @ Run Depth: 20.23 psig @ 4437.00 ft (KB)

Start Date: 2012.06.15

End Date:

2012.06.16

Start Time: 19:35:07

End Time:

03:36:01

Capacity: 8000.00 psig

Last Calib.: 2012.06.16

Time On Btm: 2012.06.15 @ 23:00:32

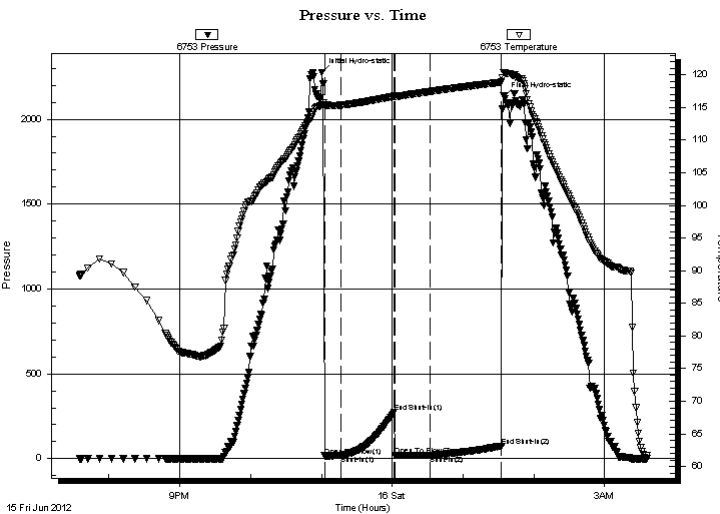
Time Off Btm: 2012.06.16 @ 01:35:02

TEST COMMENT: IF-Very weak surface blow died in 11min

ISI-No blow

FF-No blow

FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.76	115.47	Initial Hydro-static
2	17.25	115.29	Open To Flow (1)
16	18.20	115.36	Shut-In(1)
61	272.07	116.72	End Shut-In(1)
62	17.93	116.66	Open To Flow (2)
92	20.23	117.45	Shut-In(2)
152	75.04	118.88	End Shut-In(2)
155	2133.13	120.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud	0.15

## Gas Rates

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

\* Recovery from multiple tests





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TESTING, INC.**

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**TOOL DIAGRAM**

Herman L. Loeb, LLC

**10-16s-26w Ness, KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49252

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2012.06.15 @ 19:35:02

## Tool Information

Drill Pipe:	Length: 4210.00 ft	Diameter: 3.80 inches	Volume: 59.06 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4436.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4414.00	
Shut In Tool	5.00			4419.00	
Hydraulic tool	5.00			4424.00	
Safety Joint	2.00			4426.00	
Packer	5.00			4431.00	23.00 Bottom Of Top Packer
Packer	5.00			4436.00	
Stubb	1.00			4437.00	
Recorder	0.00	6753	Inside	4437.00	
Recorder	0.00	8369	Outside	4437.00	
Perforations	2.00			4439.00	
Change Over Sub	1.00			4440.00	
Drill Pipe	32.00			4472.00	
Change Over Sub	1.00			4473.00	
Perforations	8.00			4481.00	
Bullnose	3.00			4484.00	48.00 Bottom Packers & Anchor

**Total Tool Length: 71.00**



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**FLUID SUMMARY**

Herman L. Loeb, LLC

**10-16s-26w Ness, KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49252

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2012.06.15 @ 19:35:02

## 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:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

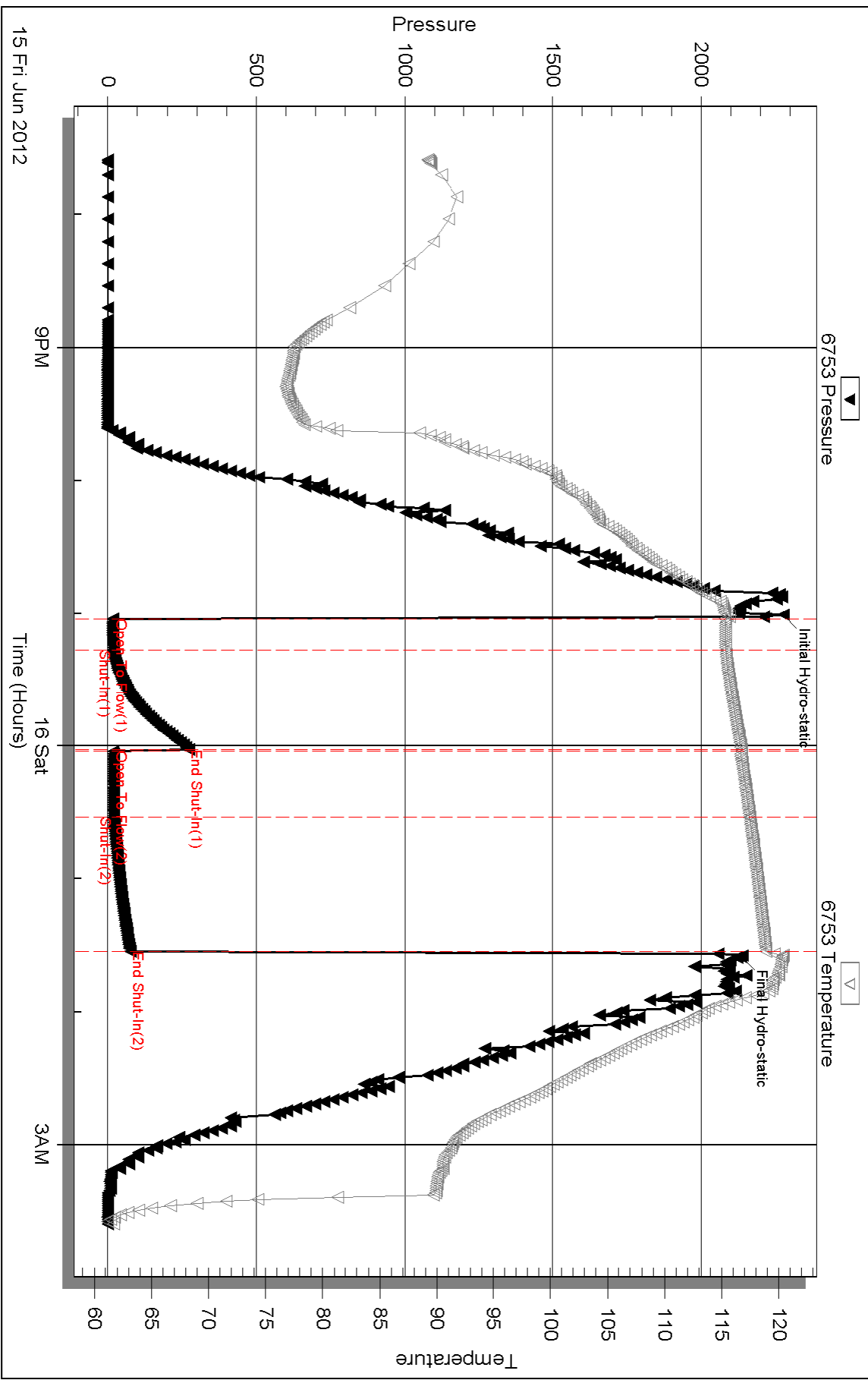
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

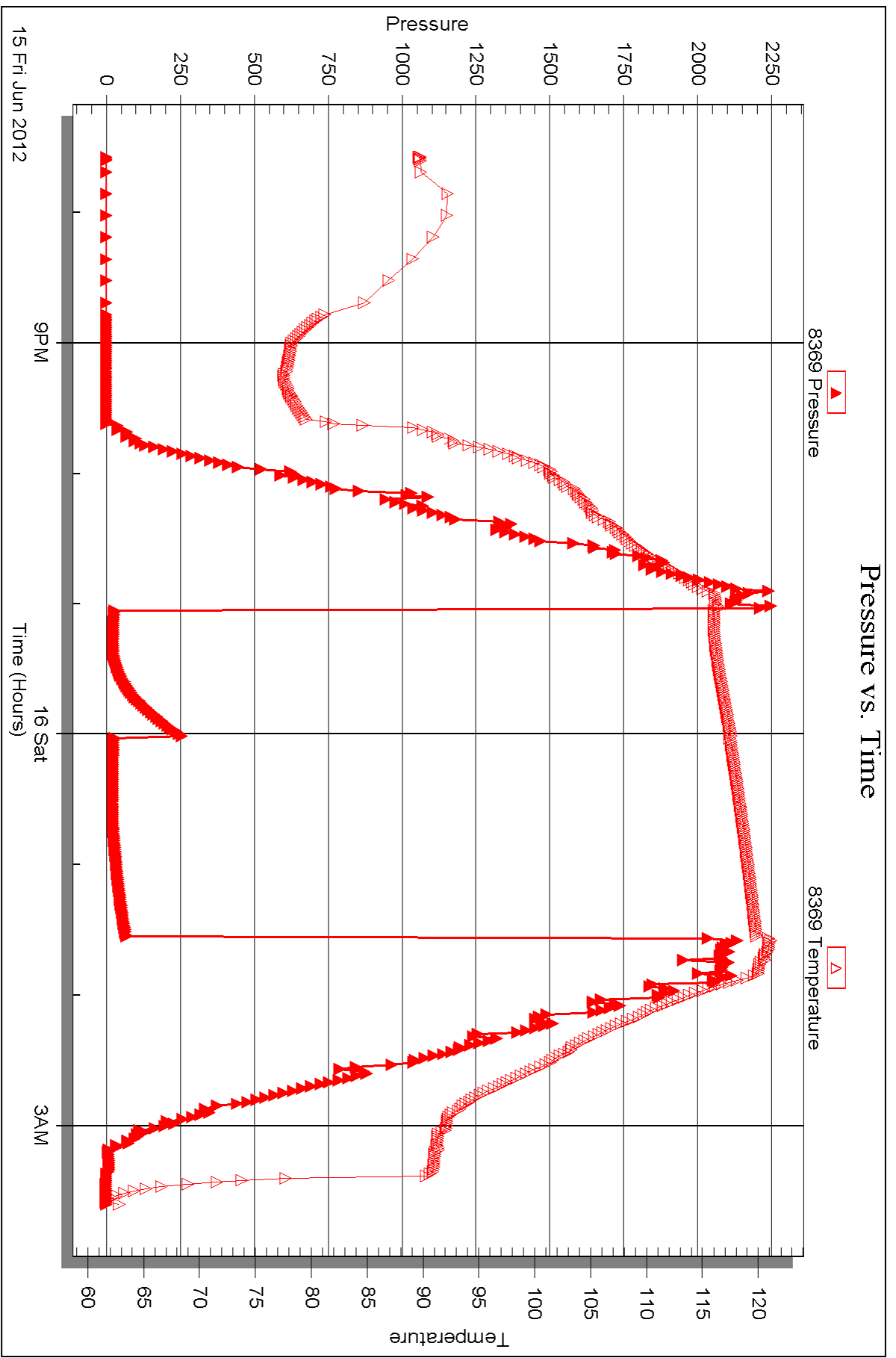


Serial #: 8369

Outside Herrman L. Loeb, LLC

Peters D#3-10

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 49252

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