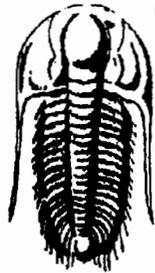


31-215-11w  
w2 NW NW



**TRILOBITE**  
**TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Laveta Oil & Gas**

P.O.Box 780  
Middleburg, VA 20118

ATTN: Bruce Reed

**31 21s11wStafford KS**

**Robert Fischer #1**

Start Date: 2008.08.01 @ 16:15:03

End Date: 2008.08.01 @ 23:24:18

Job Ticket #: 33032                      DST #: 1

15-185-23522

780 FNL    330 FWL

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Laveta Oil & Gas

Robert Fischer #1

31 21s11wStafford KS

DST # 1

Arbuckle

2008.08.01



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Laveta Oil & Gas  
 P.O.Box 780  
 Middleburg, VA 20118  
 ATTN: Bruce Reed

**Robert Fischer #1**  
**31 21s11w Stafford KS**  
 Job Ticket: 33032      **DST#: 1**  
 Test Start: 2008.08.01 @ 16:15:03

## GENERAL INFORMATION:

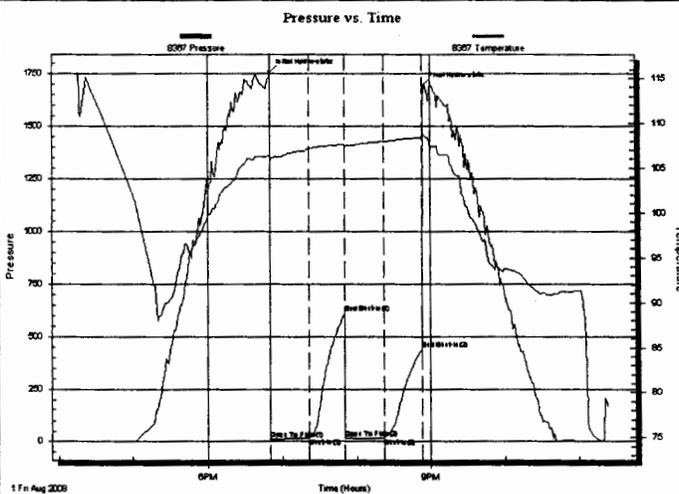
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:50:18  
 Time Test Ended: 23:24:18  
 Interval: **3532.00 ft (KB) To 3548.00 ft (KB) (TVD)**  
 Total Depth: 3548.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 44  
 Reference Elevations: 1786.00 ft (KB)  
 1778.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8367

Inside

Press@RunDepth: 17.63 psig @ 3533.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2008.08.01      End Date: 2008.08.01      Last Calib.: 2008.08.01  
 Start Time: 16:15:04      End Time: 23:24:18      Time On Btm: 2008.08.01 @ 18:50:03  
 Time Off Btm: 2008.08.01 @ 20:54:03

TEST COMMENT: IFP- Weak Surface blow  
 IS- No Blow Back  
 FFP- No Blow Back  
 FS- No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.48	106.37	Initial Hydro-static
1	11.20	105.42	Open To Flow (1)
32	15.22	107.15	Shut-In(1)
60	610.41	107.66	End Shut-In(1)
61	15.67	107.31	Open To Flow (2)
92	17.63	107.94	Shut-In(2)
123	437.83	108.40	End Shut-In(2)
124	1689.14	108.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil scum w ater cut mud 1%o 10%w 89%0.15	

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Laveta Oil & Gas  
P.O.Box 780  
Middleburg, VA 20118  
ATTN: Bruce Reed

**Robert Fischer #1**  
**31 21s11w Stafford KS**  
Job Ticket: 33032      **DST#: 1**  
Test Start: 2008.08.01 @ 16:15:03

### Tool Information

Drill Pipe:	Length: 3330.00 ft	Diameter: 3.82 inches	Volume: 47.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 48.10 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3532.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3512.00	
Shut In Tool	5.00			3517.00	
Hydraulic tool	5.00			3522.00	
Packer	5.00			3527.00	21.00      Bottom Of Top Packer
Packer	5.00			3532.00	
Stubb	1.00			3533.00	
Recorder	0.00	8367	Inside	3533.00	
Recorder	0.00	6672	Inside	3533.00	
Perforations	12.00			3545.00	
Bullnose	3.00			3548.00	16.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>37.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Laveta Oil & Gas  
P.O.Box 780  
Middleburg, VA 20118  
ATTN: Bruce Reed

**Robert Fischer #1**  
**31 21s11wStafford KS**  
Job Ticket: 33032      **DST#: 1**  
Test Start: 2008.08.01 @ 16:15:03

**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: bbl		
Water Loss: 8.74 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: inches			

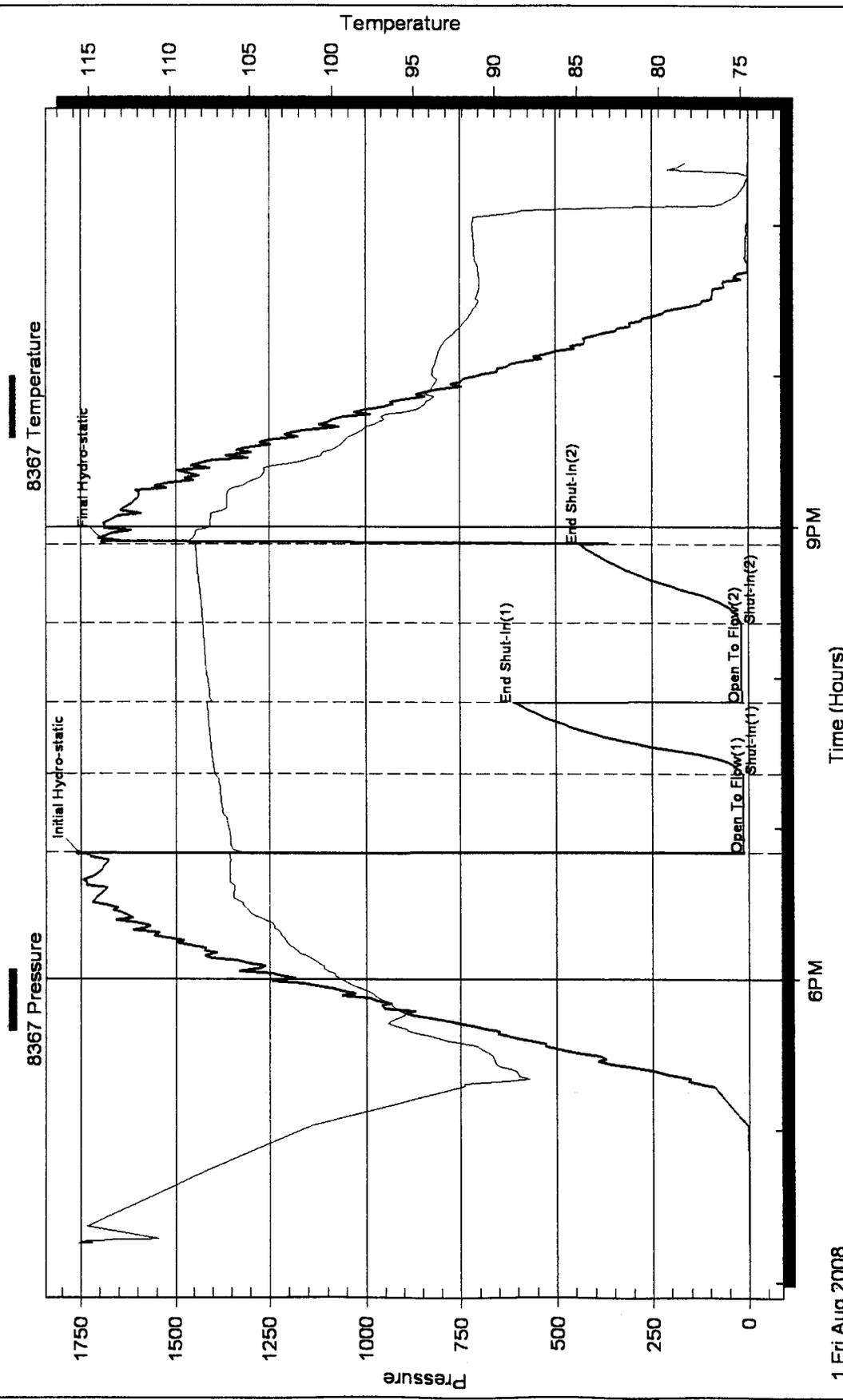
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil scum w ater cut mud 1%o 10%w 89%m	0.148

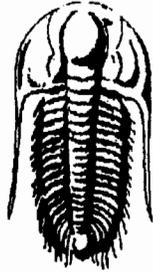
Total Length: 30.00 ft      Total Volume: 0.148 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

# Pressure vs. Time



1 Fri Aug 2008





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Laveta Oil & Gas**

P.O.Box 780  
Middleburg, VA 20118

ATTN: Bruce Reed

**31 21s11wStafford KS**

**Robert Fischer #1**

Start Date: 2008.08.01 @ 16:15:03

End Date: 2008.08.02 @ 16:49:00

Job Ticket #: 33033                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Laveta Oil & Gas

Robert Fischer #1

31 21s11wStafford KS

DST # 2

Arbuckle

2008.08.01



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Laveta Oil & Gas  
 P.O.Box 780  
 Middleburg, VA 20118  
 ATTN: Bruce Reed

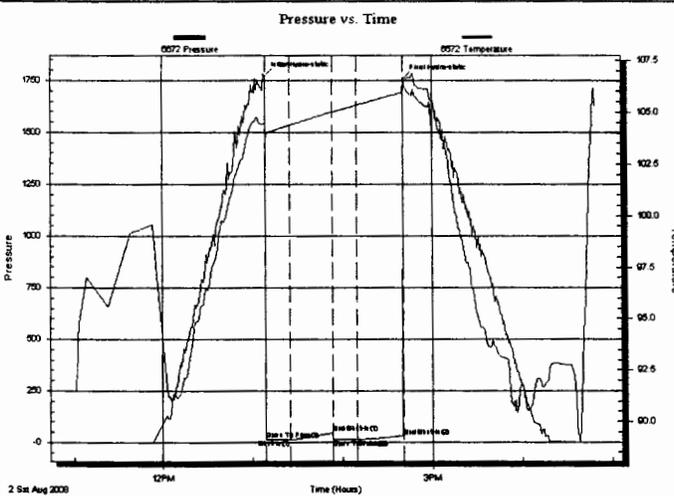
**Robert Fischer #1**  
**31 21s11w Stafford KS**  
 Job Ticket: 33033      DST#: 2  
 Test Start: 2008.08.01 @ 16:15:03

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:00:00  
 Time Test Ended: 16:49:00  
 Interval: **3550.00 ft (KB) To 3562.00 ft (KB) (TVD)**  
 Total Depth: 3548.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 44  
 Reference Elevations: 1786.00 ft (KB)  
 1778.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 6672 Inside**  
 Press@RunDepth: 30.27 psig @ 3551.00 ft (KB)  
 Start Date: 2008.08.02 End Date: 2008.08.02  
 Start Time: 11:00:49 End Time: 16:49:18  
 Capacity: 7000.00 psig  
 Last Calib.: 2008.08.02  
 Time On Btm: 2008.08.02 @ 13:08:18  
 Time Off Btm: 2008.08.02 @ 14:41:03

TEST COMMENT: IF-Weak surface blow died in 3min  
 ISI-No Blow  
 FF- No Blow  
 FSI- No Blow



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.57	104.45	Initial Hydro-static
1	12.37	103.56	Open To Flow (1)
17	12.04	104.37	Shut-In(1)
45	47.94	105.01	End Shut-In(1)
45	12.93	104.98	Open To Flow (2)
61	12.82	105.34	Shut-In(2)
92	30.27	105.95	End Shut-In(2)
93	1758.21	106.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	oil spotted mud	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Laveta Oil & Gas  
P.O.Box 780  
Middleburg, VA 20118  
ATTN: Bruce Reed

**Robert Fischer #1**  
**31 21s11w Stafford KS**  
Job Ticket: 33033      DST#: 2  
Test Start: 2008.08.01 @ 16:15:03

**Tool Information**

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.82 inches	Volume: 47.63 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 48.53 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3550.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	33.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

**Tool Description**

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

Change Over Sub	1.00			3530.00	
Shut In Tool	5.00			3535.00	
Hydraulic tool	5.00			3540.00	
Packer	5.00			3545.00	21.00      Bottom Of Top Packer
Packer	5.00			3550.00	
Stubb	1.00			3551.00	
Recorder	0.00	8367	Inside	3551.00	
Recorder	0.00	6672	Inside	3551.00	
Perforations	8.00			3559.00	
Bullnose	3.00			3562.00	12.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>33.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Laveta Oil & Gas  
P.O.Box 780  
Middleburg, VA 20118  
ATTN: Bruce Reed

**Robert Fischer #1**  
**31 21s11wStafford KS**  
Job Ticket: 33033      **DST#: 2**  
Test Start: 2008.08.01 @ 16:15:03

## 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.72 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: inches			

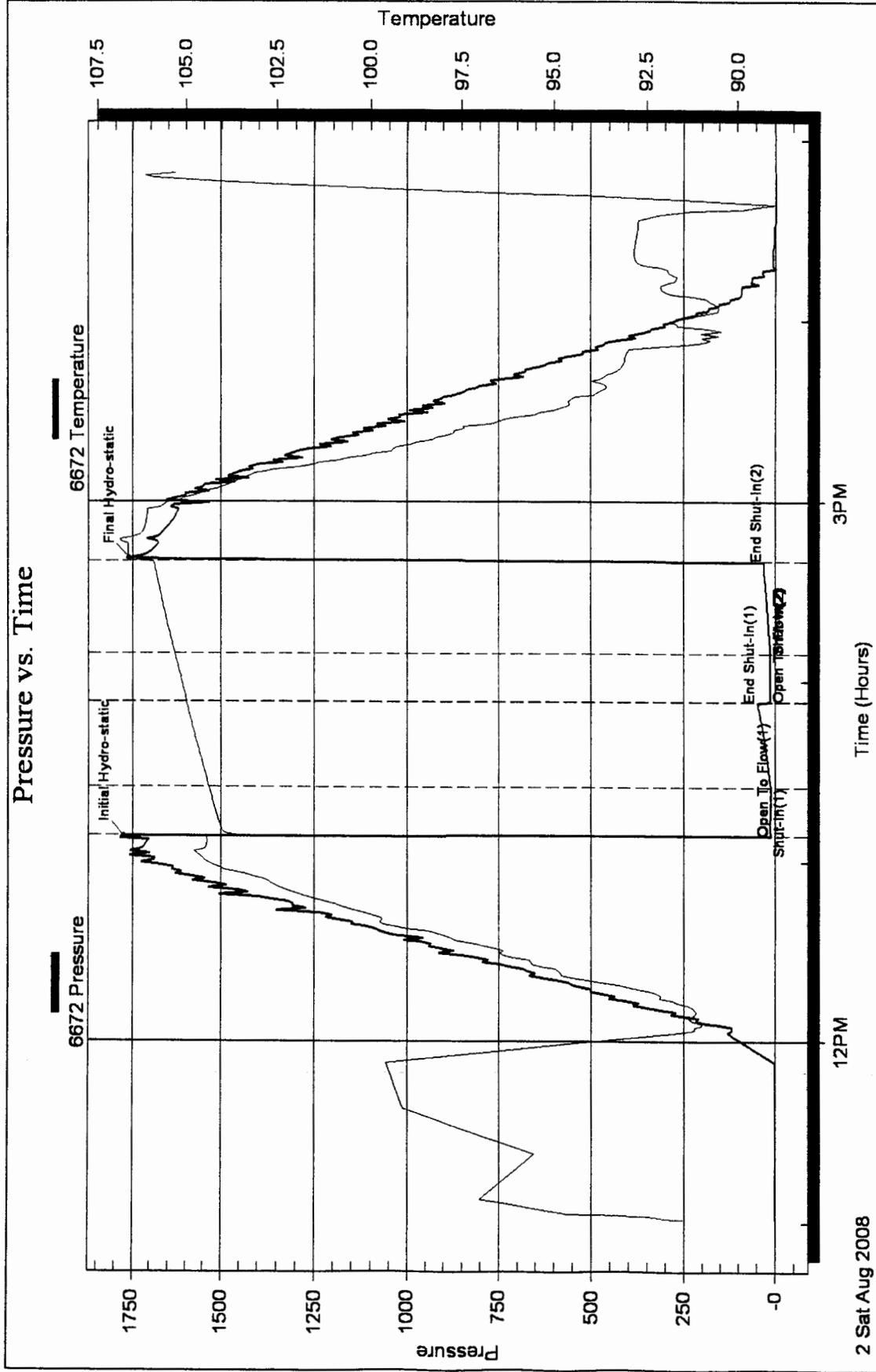
## Recovery Information

Recovery Table

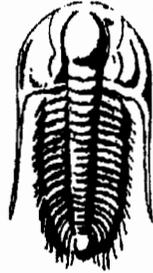
Length ft	Description	Volume bbl
15.00	oil spotted mud	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

# Pressure vs. Time







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Laveta Oil & Gas**

P.O.Box 780  
Middleburg, VA 20118

ATTN: Bruce Reed

**31 21s11wStafford KS**

**Robert Fischer #1**

Start Date: 2008.08.01 @ 16:15:03

End Date:

Job Ticket #: 33034                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Laveta Oil & Gas

Robert Fischer #1

31 21s11wStafford KS

DST # 3

Arbuckle

2008.08.01



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Laveta Oil & Gas  
 P.O.Box 780  
 Middleburg, VA 20118  
 ATTN: Bruce Reed

**Robert Fischer #1**  
**31 21s11wStafford KS**  
 Job Ticket: 33034      **DST#: 3**  
 Test Start: 2008.08.01 @ 16:15:03

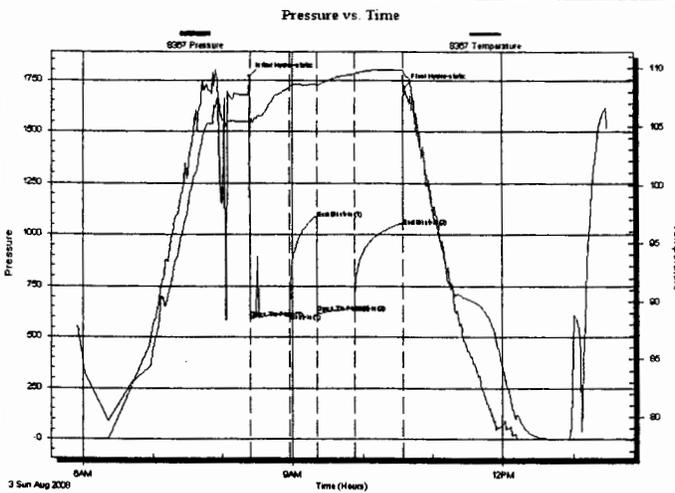
**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened:  
 Time Test Ended:  
 Interval: **3562.00 ft (KB) To 3600.00 ft (KB) (TVD)**  
 Total Depth: **3600.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition:                      KB to GR/CF: **8.00 ft**

Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 44  
 Reference Elevations: 1786.00 ft (KB)  
 1778.00 ft (CF)

**Serial #: 8367      Inside**  
 Press@RunDepth: 1039.32 psig @ 3563.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2008.08.03      End Date: 2008.08.03      Last Calib.: 2008.08.03  
 Start Time: 05:54:35      End Time: 13:29:19      Time On Btm: 2008.08.03 @ 08:22:49  
 Time Off Btm: 2008.08.03 @ 10:35:49

TEST COMMENT: IF- Strong blow built to 9.5in  
 IS- No blow  
 FF- Fair blow built to 3.5in  
 FS- no blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.84	105.42	Initial Hydro-static
1	592.11	104.84	Open To Flow (1)
35	617.41	108.35	Shut-In(1)
58	1076.58	108.66	End Shut-In(1)
59	619.84	108.49	Open To Flow (2)
91	659.02	109.53	Shut-In(2)
132	1039.32	109.85	End Shut-In(2)
133	1717.37	109.53	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	oil scum mcw 1%o 30%M 69%W	0.30
60.00	OCWM 5%Gas 10%O 40%M 45%W	0.30
180.00	OCM 30%Gas 30%O 40%m	1.96
240.00	OCM 20%Gas 20%O 60%m	3.40
705.00	Mud	9.99

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Laveta Oil & Gas

**Robert Fischer #1**

P.O.Box 780  
Middleburg, VA 20118

**31 21s11wStafford KS**

Job Ticket: 33034      **DST#: 3**

ATTN: Bruce Reed

Test Start: 2008.08.01 @ 16:15:03

**Tool Information**

Drill Pipe:	Length: 3390.00 ft	Diameter: 3.82 inches	Volume: 48.05 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 48.95 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	3562.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3542.00	
Shut In Tool	5.00			3547.00	
Hydraulic tool	5.00			3552.00	
Packer	5.00			3557.00	21.00      Bottom Of Top Packer
Packer	5.00			3562.00	
Stubb	1.00			3563.00	
Recorder	0.00	8367	Inside	3563.00	
Recorder	0.00	6672	Inside	3563.00	
Perforations	34.00			3597.00	
Bullnose	3.00			3600.00	38.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>59.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Laveta Oil & Gas  
P.O.Box 780  
Middleburg, VA 20118  
ATTN: Bruce Reed

**Robert Fischer #1**  
**31 21s11wStafford KS**  
Job Ticket: 33034      **DST#: 3**  
Test Start: 2008.08.01 @ 16:15:03

**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: bbl		
Water Loss: 8.72 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	oil scum mcw 1%o 30%M 69%W	0.295
60.00	OCWM 5%Gas 10%O 40%M 45%W	0.295
180.00	OCM 30%Gas 30%O 40%m	1.959
240.00	OCM 20%Gas 20%O 60%m	3.402
705.00	Mud	9.994

Total Length: 1245.00 ft      Total Volume: 15.945 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time

