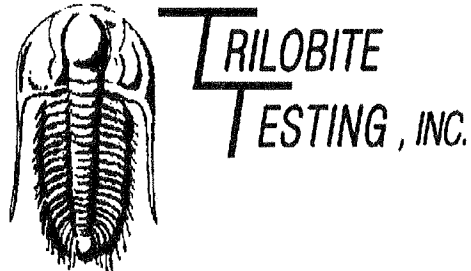


33-9s-21w



## DRILL STEM TEST REPORT

**CONFIDENTIAL**

JUN 04 2009

KCC

Prepared For: **American Warrior Co Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Cecil O'Brate

15-065-23530

**33-9s-21w Graham KS**

**Smith #1-33**

Start Date: 2009.02.23 @ 06:19:09

End Date: 2009.02.23 @ 11:34:03

Job Ticket #: 36284

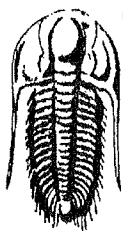
DST #: 1

RECEIVED  
JUN 05 2009  
KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior Co Inc

PO Box 399  
Garden City, KS 67846

ATTN: Cecil O'Brate

**Smith #1-33**

**33-9s-21w Graham KS**

Job Ticket: 36284

**DST#: 1**

Test Start: 2009.02.23 @ 06:19:09

### GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:03:34

Time Test Ended: 11:34:03

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3699.00 ft (KB) To 3762.00 ft (KB) (TVD)**

Total Depth: 3762.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2328.00 ft (KB)

2319.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 25.12 psig @ 3701.01 ft (KB)

Start Date: 2009.02.23

End Date:

2009.02.23

Start Time: 06:19:09

End Time:

11:34:03

Capacity: 7000.00 psig

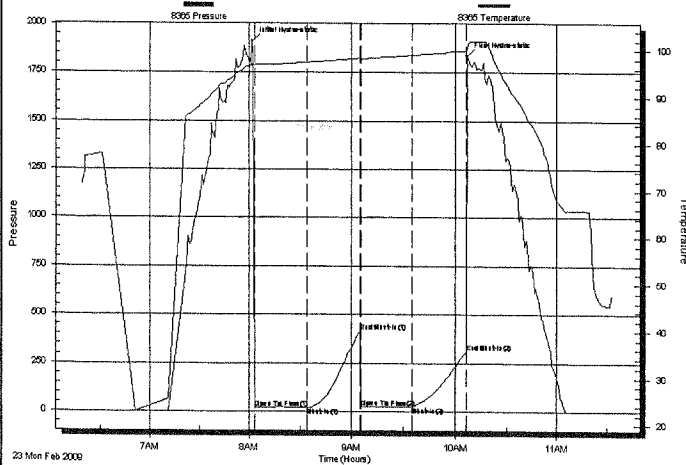
Last Calib.: 2009.02.23

Time On Btm: 2009.02.23 @ 08:02:04

Time Off Btm: 2009.02.23 @ 10:06:34

TEST COMMENT: IFP-wk bl thru-out 1/2"bl  
FFP-surface bl thru-out  
Times 30-30-30-30

Pressure vs. Time



### PRESSURE SUMMARY

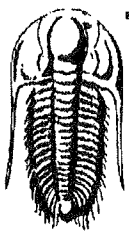
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1910.64         | 96.91        | Initial Hydro-static |
| 2           | 16.78           | 96.78        | Open To Flow (1)     |
| 32          | 21.64           | 97.46        | Shut-In (1)          |
| 63          | 413.30          | 98.38        | End Shut-In (1)      |
| 64          | 22.48           | 98.23        | Open To Flow (2)     |
| 93          | 25.12           | 99.01        | Shut-In (2)          |
| 124         | 308.92          | 99.94        | End Shut-In (2)      |
| 125         | 1837.57         | 100.58       | Final Hydro-static   |

### Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 20.00       | SOCM 1%O99%M | 0.10         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

### Gas Rates

|  | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|--|----------------|-----------------|------------------|



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Co Inc

**Smith #1-33**

PO Box 399  
Garden City, KS 67846

**33-9s-21w Graham KS**

Job Ticket: 36284

**DST#: 1**

ATTN: Cecil O'Brate

Test Start: 2009.02.23 @ 06:19:09

### Tool Information

|                           |                    |                       |                   |                        |             |         |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|---------|
| Drill Pipe:               | Length: 3676.00 ft | Diameter: 3.80 inches | Volume: 51.56 bbl | Tool Weight:           | 2200.00 lb  |         |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |         |
| Drill Collar:             | Length: 30.00 ft   | Diameter: 2.25 inches | Volume: 0.15 bbl  | Weight to Pull Loose:  | 100000.0 lb |         |
|                           |                    |                       | Total Volume:     | 51.71 bbl              | Tool Chased | 3.00 ft |
| Drill Pipe Above KB:      | 28.00 ft           |                       |                   | String Weight: Initial | 71000.00 lb |         |
| Depth to Top Packer:      | 3699.00 ft         |                       |                   | Final                  | 71000.00 lb |         |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |         |
| Interval between Packers: | 63.02 ft           |                       |                   |                        |             |         |
| Tool Length:              | 84.02 ft           |                       |                   |                        |             |         |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |         |
| Tool Comments:            |                    |                       |                   |                        |             |         |

**CONFIDENTIAL**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3679.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3684.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3689.00    |                               |
| Packer           | 5.00        |            |          | 3694.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3699.00    |                               |
| Stubb            | 1.00        |            |          | 3700.00    |                               |
| Perforations     | 1.00        |            |          | 3701.00    |                               |
| Recorder         | 0.01        | 8365       | Inside   | 3701.01    |                               |
| Recorder         | 0.01        | 6625       | Outside  | 3701.02    |                               |
| Blank Spacing    | 33.00       |            |          | 3734.02    |                               |
| Perforations     | 25.00       |            |          | 3759.02    |                               |
| Bullnose         | 3.00        |            |          | 3762.02    | 63.02 Bottom Packers & Anchor |

**Total Tool Length: 84.02**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

American Warrior Co Inc

**Smith #1-33**

PO Box 399  
Garden City, KS 67846

**33-9s-21w Graham KS**

Job Ticket: 36284

**DST#: 1**

ATTN: Cecil O'Brate

Test Start: 2009.02.23 @ 06:19:09

### 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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.74 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbl |
|--------------|--------------|---------------|
| 20.00        | SOCM 1%O99%M | 0.098         |

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

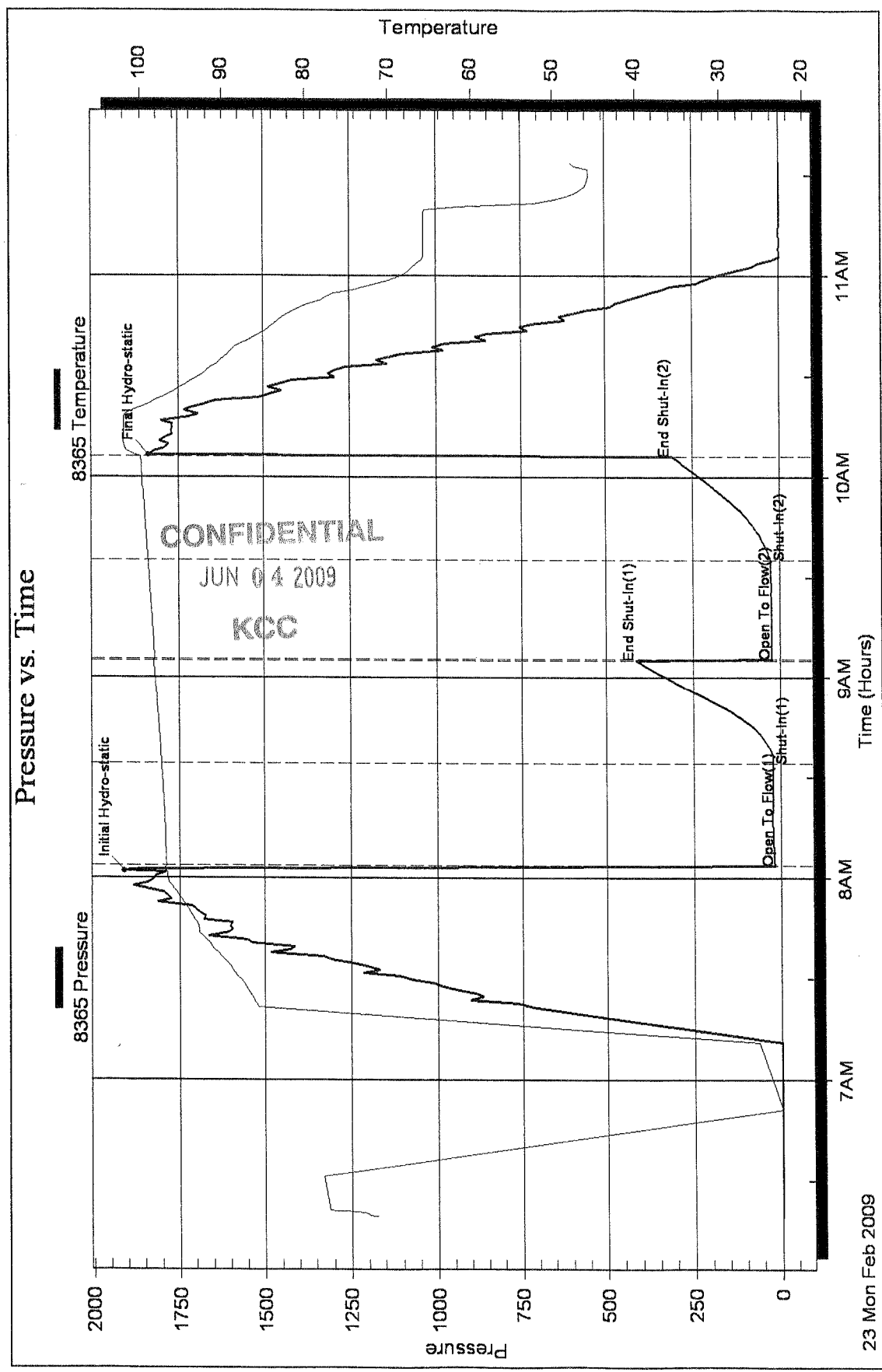
Num Gas Bombs: 0

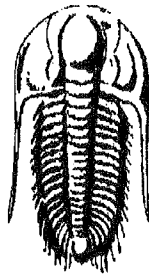
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**CONFIDENTIAL**  
JUN 04 2009  
KCC

Prepared For: **American Warrior Co Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Cecil O'Brate

**33-9s-21w Graham KS**

**Smith #1-33**

Start Date: 2009.02.24 @ 01:47:53

End Date: 2009.02.24 @ 08:37:17

Job Ticket #: 36285      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



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

## DRILL STEM TEST REPORT

American Warrior Co Inc

PO Box 399  
Garden City, KS 67846

ATTN: Cecil O'Brate

**Smith #1-33**

**33-9s-21w Graham KS**

Job Ticket: 36285

**DST#: 2**

Test Start: 2009.02.24 @ 01:47:53

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:33:48

Time Test Ended: 08:37:17

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3849.00 ft (KB) To 3899.00 ft (KB) (TVD)**

Total Depth: 3899.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2328.00 ft (KB)

2319.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 100.66 psig @ 3851.01 ft (KB)

Start Date: 2009.02.24

End Date:

2009.02.24

Start Time: 01:47:53

End Time:

08:37:17

Capacity: 7000.00 psig

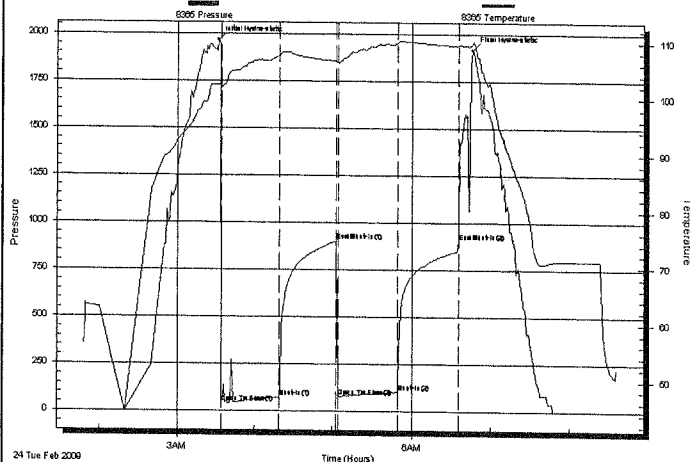
Last Calib.: 2009.02.24

Time On Btm: 2009.02.24 @ 03:31:48

Time Off Btm: 2009.02.24 @ 06:46:17

TEST COMMENT: IFF-wk to a gd bl 1/2" to 7" bl  
FFP-wk bl thru-out surface to 2" bl  
Times 45-45-45-45  
no bl on shut-in

Pressure vs. Time



### PRESSURE SUMMARY

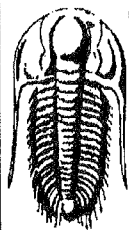
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1963.65         | 102.43       | Initial Hydro-static |
| 2           | 41.24           | 101.87       | Open To Flow (1)     |
| 47          | 71.75           | 107.62       | Shut-In (1)          |
| 92          | 900.37          | 106.69       | End Shut-In (1)      |
| 93          | 74.49           | 106.39       | Open To Flow (2)     |
| 138         | 100.66          | 109.86       | Shut-In (2)          |
| 184         | 902.64          | 109.38       | End Shut-In (2)      |
| 195         | 1916.85         | 109.77       | Final Hydro-static   |

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 0.00        | 150' GIP           | 0.00         |
| 92.00       | CO                 | 1.02         |
| 124.00      | MGO 6% G49% O45% M | 1.74         |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Co Inc

**Smith #1-33**

PO Box 399  
Garden City, KS 67846

**33-9s-21w Graham KS**

Job Ticket: 36285

**DST#: 2**

ATTN: Cecil O'Brate

Test Start: 2009.02.24 @ 01:47:53

### Tool Information

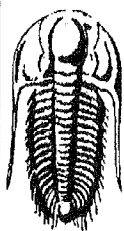
|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3829.00 ft | Diameter: 3.80 inches | Volume: 53.71 bbl | Tool Weight:           | 2200.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: 30.00 ft   | Diameter: 2.25 inches | Volume: 0.15 bbl  | Weight to Pull Loose:  | 120000.0 lb |
|                           |                    | Total Volume:         | 53.86 bbl         | Tool Chased            | 3.00 ft     |
| Drill Pipe Above KB:      | 31.00 ft           |                       |                   | String Weight: Initial | 70000.00 lb |
| Depth to Top Packer:      | 3849.00 ft         |                       |                   | Final                  | 71000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 50.02 ft           |                       |                   |                        |             |
| Tool Length:              | 71.02 ft           |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |
| Tool Comments:            |                    |                       |                   |                        |             |

JUN 04 2009

KCC

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3829.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3834.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3839.00    |                               |
| Packer           | 5.00        |            |          | 3844.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3849.00    |                               |
| Stubb            | 1.00        |            |          | 3850.00    |                               |
| Perforations     | 1.00        |            |          | 3851.00    |                               |
| Recorder         | 0.01        | 8365       | Inside   | 3851.01    |                               |
| Recorder         | 0.01        | 6625       | Outside  | 3851.02    |                               |
| Blank Spacing    | 32.00       |            |          | 3883.02    |                               |
| Perforations     | 13.00       |            |          | 3896.02    |                               |
| Bullnose         | 3.00        |            |          | 3899.02    | 50.02 Bottom Packers & Anchor |

**Total Tool Length: 71.02**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

American Warrior Co Inc

**Smith #1-33**

PO Box 399  
Garden City, KS 67846

**33-9s-21w Graham KS**

Job Ticket: 36285

**DST#: 2**

ATTN: Cecil O'Brate

Test Start: 2009.02.24 @ 01:47:53

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 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: 2300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description     | Volume<br>bbl |
|--------------|-----------------|---------------|
| 0.00         | 150'GIP         | 0.000         |
| 92.00        | CO              | 1.017         |
| 124.00       | MGO 6%G49%O45%M | 1.739         |

Total Length: 216.00 ft

Total Volume: 2.756 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

