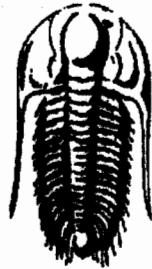


15-033-21477



**TRILOBITE  
TESTING, INC.**

**KCC  
DEC 21 2006  
CONFIDENTIAL**

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Bob Bayer

**31 31 16 Comanche KS**

**#1 UHL**

Start Date: 2006.09.06 @ 03:49:32

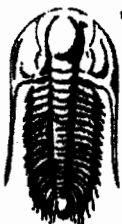
End Date: 2006.09.06 @ 14:04:32

Job Ticket #: 25414

DST #: 1

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

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KANSAS CORPORATION COMMISSION  
DEC 22 2006  
CONSERVATION DIVISION  
WICHITA, KS**



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

## DRILL STEM TEST REPORT

Woolsey Operating

#1 UHL

125 N Market Ste 1000  
Wichita KS 67202

31 31 16 Comanche KS

Job Ticket: 25414

DST#: 1

ATTN: Bob Bayer

Test Start: 2006.09.06 @ 03:49:32

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:49:32

Time Test Ended: 04:04:31

Test Type: Conventional Bottom Hole

Tester: John Colavito

Unit No: 19

Interval: 46.00 ft (KB) To 5004.00 ft (KB) (TVD)

Total Depth: 5004.00 ft (KB) (TVD)

Hole Diameter: 7.00 inches Hole Condition: Fair

Reference Elevations: 1989.00 ft (KB)

1978.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6752

Inside

Press@RunDepth: 108.97 psig @ 4948.00 ft (KB)

Start Date: 2006.09.06

End Date:

2006.09.06

Capacity: 7000.00 psig

Last Calib.: 2006.09.06

Start Time: 03:49:42

End Time:

14:04:31

Time On Btm: 2006.09.06 @ 06:43:47

Time Off Btm: 2006.09.06 @ 11:39:17

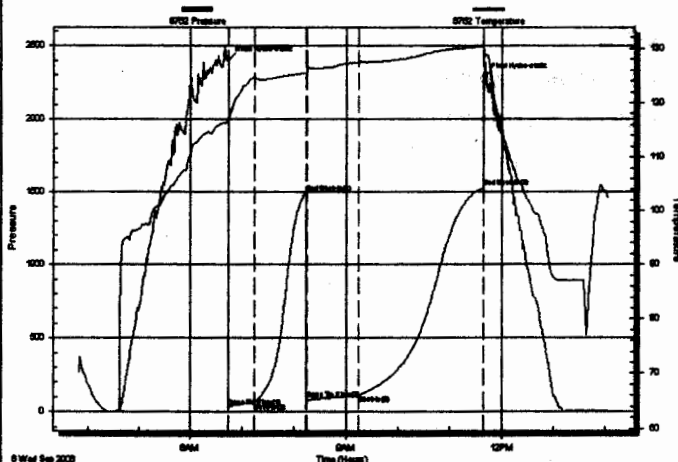
TEST COMMENT: IF Fair blow Built to 6" in bucket

ISI No blow back

FF Fair blow Built to 6" in bucket

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2403.93         | 116.68       | Initial Hydro-static |
| 1           | 35.36           | 116.42       | Open To Flow (1)     |
| 31          | 61.71           | 124.71       | Shut-In(1)           |
| 90          | 1495.28         | 125.36       | End Shut-In(1)       |
| 91          | 84.19           | 126.19       | Open To Flow (2)     |
| 151         | 108.97          | 127.51       | Shut-In(2)           |
| 295         | 1530.65         | 130.34       | End Shut-In(2)       |
| 296         | 2287.77         | 130.53       | Final Hydro-static   |

Recovery

| Length (ft) | Description                               | Volume (bbl) |
|-------------|-------------------------------------------|--------------|
| 180.00      | Oil Spotted Gas Out Mud trc%O 5%G 95%2.24 |              |
| 0.00        | 180' GIP                                  | 0.00         |
| 0.00        |                                           | 0.00         |
|             |                                           |              |
|             |                                           |              |
|             |                                           |              |

Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Bob Bayer

#1 UHL

31 31 16 Comanche KS

Job Ticket: 25414

DST#: 1

Test Start: 2006.09.06 @ 03:49:32

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 4896.00 ft | Diameter: 3.80 inches   | Volume: 68.68 bbl | Tool Weight: 2400.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches   | Volume: 0.00 bbl  | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 31.00 ft   | Diameter: 2.25 inches   | Volume: 0.15 bbl  | Weight to Pull Loose: 66000.00 lb  |
|                           |                    | Total Volume: 68.83 bbl |                   | Tool Chased: 0.00 ft               |
| Drill Pipe Above KB:      | 9.00 ft            |                         |                   | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 4946.00 ft         |                         |                   | Final 66000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 58.00 ft           |                         |                   |                                    |
| Tool Length:              | 86.00 ft           |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 4923.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4928.00    |                               |
| Jars             | 5.00        |            |          | 4933.00    |                               |
| Safety Joint     | 3.00        |            |          | 4936.00    |                               |
| Packer           | 5.00        |            |          | 4941.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4946.00    |                               |
| Stubb            | 1.00        |            |          | 4947.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4948.00    |                               |
| Recorder         | 0.00        | 6752       | Inside   | 4948.00    |                               |
| Blank Spacing    | 32.00       |            |          | 4980.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4981.00    |                               |
| Perforations     | 20.00       |            |          | 5001.00    |                               |
| Recorder         | 0.00        | 11019      | Outside  | 5001.00    |                               |
| Bullnose         | 3.00        |            |          | 5004.00    | 58.00 Bottom Packers & Anchor |

Total Tool Length: 86.00

DEC 22 2006



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Woolsey Operating

#1 UHL

125 N Market Ste 1000  
Wichita KS 67202

31 31 16 Comanche KS

Job Ticket: 25414

DST#: 1

ATTN: Bob Bayer

Test Start: 2006.09.06 @ 03:49:32

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.09 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                            | Volume<br>bbl |
|--------------|----------------------------------------|---------------|
| 180.00       | Oil Spotted Gas Cut Mud trc%O 5%G 95%M | 2.243         |
| 0.00         | 180' GIP                               | 0.000         |
| 0.00         |                                        | 0.000         |

Total Length: 180.00 ft

Total Volume: 2.243 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6752

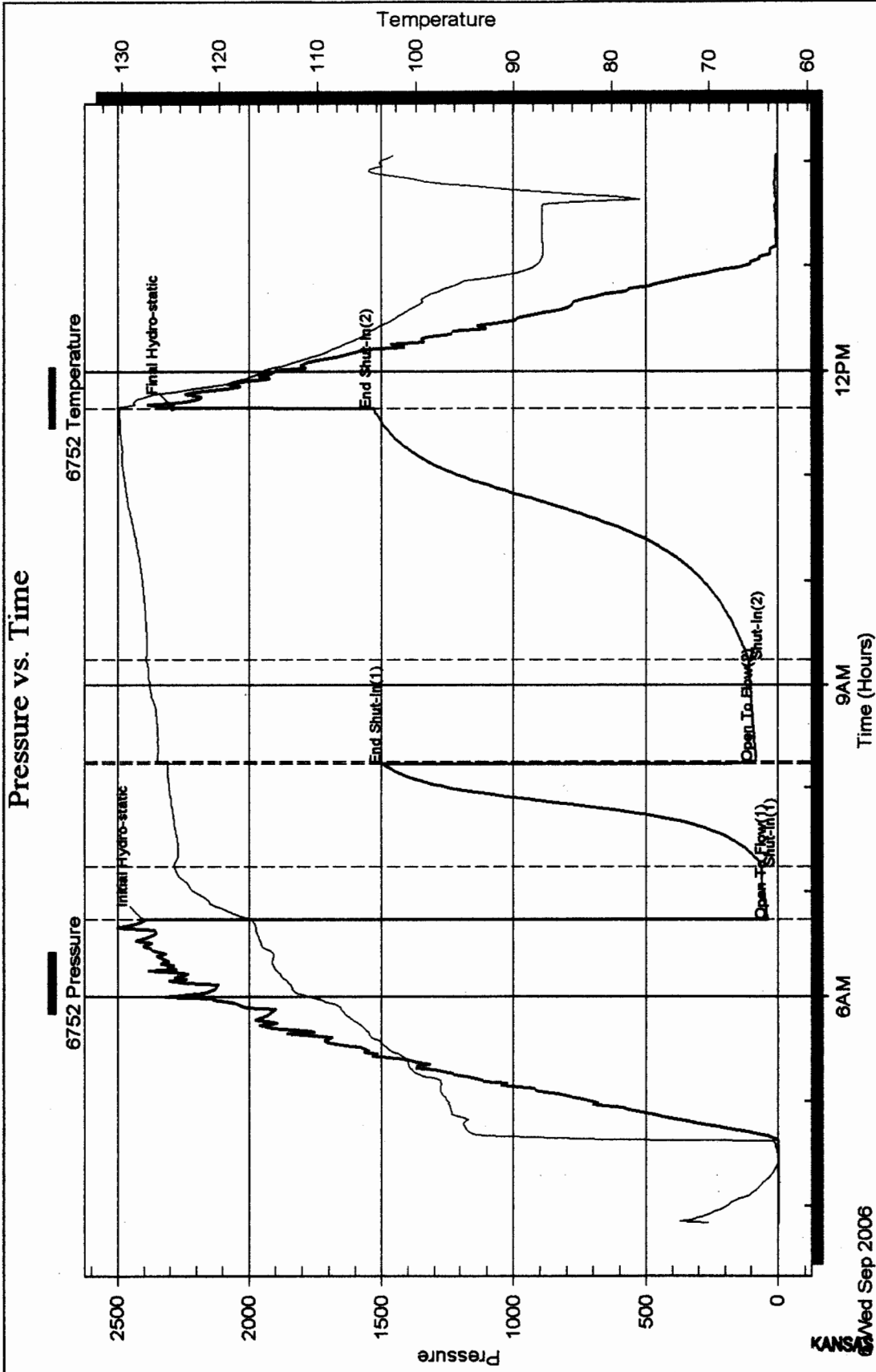
Inside

Woodsey Operating

31 31 16 Comanche KS

DST Test Number: 1

# Pressure vs. Time



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DEC 27 2006

CONSERVATION DIVISION  
WICHITA, KS

Ref. No: 25414

Testing, Inc

Printed: 2006.09.13 @ 10:31:15 Page 5



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Bob Bayer

**31 31 16 Comanche KS**

**#1 UHL**

Start Date: 2006.09.06 @ 23:27:24

End Date: 2006.09.07 @ 09:09:54

Job Ticket #: 25415

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2006.09.13 @ 10:31:22

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CONSERVATION DIVISION  
WICHITA, KS

Woolsey Operating

#1 UHL

31 31 16 Comanche KS

DST # 2

Mississippi

2006.09.06



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Woolsey Operating

#1 UHL

125 N Market Ste 1000  
Wichita KS 67202

31 31 16 Comanche KS

Job Ticket: 25415

DST#: 2

ATTN: Bob Bayer

Test Start: 2006.09.06 @ 23:27:24

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:39

Time Test Ended: 09:09:54

Test Type: Conventional Bottom Hole

Tester: John Colavito

Unit No: 19

Interval: 5004.00 ft (KB) To 5037.00 ft (KB) (TVD)

Total Depth: 5037.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1989.00 ft (KB)

1978.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6752

Inside

Press@RunDepth: 66.88 psig @ 5005.00 ft (KB)

Start Date: 2006.09.06

End Date:

2006.09.07

Capacity: 7000.00 psig

Last Calib.: 2006.09.07

Start Time: 23:27:34

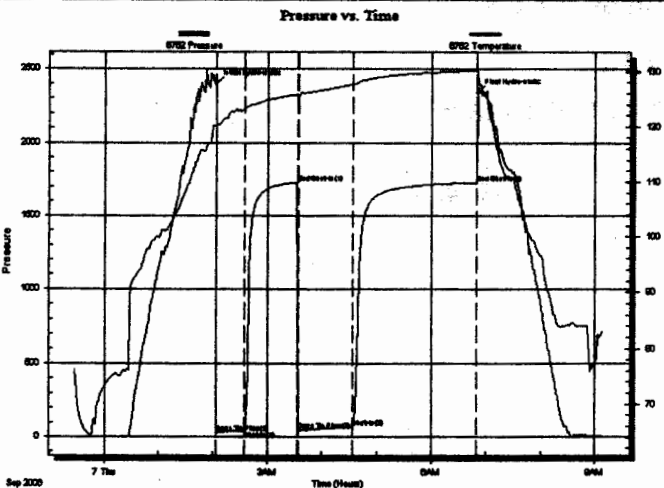
End Time:

09:09:53

Time On Btm: 2006.09.07 @ 02:03:24

Time Off Btm: 2006.09.07 @ 06:50:09

TEST COMMENT: F Weak blow Built to 2" in bucket  
ISI No blow back  
FF Weak blow Built to 3" in bucket  
FSI No blow back



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2399.48         | 120.07       | Initial Hydro-static |
| 1           | 23.75           | 119.92       | Open To Flow (1)     |
| 31          | 41.48           | 123.22       | Shut-In(1)           |
| 90          | 1728.45         | 125.74       | End Shut-In(1)       |
| 91          | 46.39           | 125.52       | Open To Flow (2)     |
| 150         | 66.88           | 127.53       | Shut-In(2)           |
| 287         | 1728.04         | 130.18       | End Shut-In(2)       |
| 287         | 2340.06         | 130.30       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                              | Volume (bbl) |
|-------------|------------------------------------------|--------------|
| 105.00      | Oil Spotted Watery Mud trc%O 15%W BE1.19 |              |
| 0.00        |                                          | 0.00         |
|             |                                          |              |
|             |                                          |              |
|             |                                          |              |
|             |                                          |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating

#1 UHL

125 N Market Ste 1000  
Wichita KS 67202

31 31 16 Comanche KS

Job Ticket: 25415

DST#: 2

ATTN: Bob Bayer

Test Start: 2006.09.06 @ 23:27:24

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4956.00 ft | Diameter: 3.80 inches | Volume: 69.52 bbl | Tool Weight:           | 2400.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight set on Packer:  | 20000.00 lb |
| Drill Collar:             | Length: 31.00 ft   | Diameter: 2.25 inches | Volume: 0.15 bbl  | Weight to Pull Loose:  | 66000.00 lb |
|                           |                    | Total Volume:         | 69.67 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 11.00 ft           |                       |                   | String Weight: Initial | 65000.00 lb |
| Depth to Top Packer:      | 5004.00 ft         |                       |                   | Final                  | 65000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 33.00 ft           |                       |                   |                        |             |
| Tool Length:              | 61.00 ft           |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |

Tool Comments:

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 4981.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4986.00    |                               |
| Jars             | 5.00        |            |          | 4991.00    |                               |
| Safety Joint     | 3.00        |            |          | 4994.00    |                               |
| Packer           | 5.00        |            |          | 4999.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 5004.00    |                               |
| Stubb            | 1.00        |            |          | 5005.00    |                               |
| Recorder         | 0.00        | 6752       | Inside   | 5005.00    |                               |
| Perforations     | 29.00       |            |          | 5034.00    |                               |
| Recorder         | 0.00        | 6074       | Outside  | 5034.00    |                               |
| Bullnose         | 3.00        |            |          | 5037.00    | 33.00 Bottom Packers & Anchor |

Total Tool Length: 61.00





**TRIOLOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating

#1 UHL

125 N Market Ste 1000  
Wichita KS 67202

31 31 16 Comanche KS

Job Ticket: 25415

DST#: 2

ATTN: Bob Bayer

Test Start: 2006.09.06 @ 23:27:24

### 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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.99 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<br>ft | Description                            | Volume<br>bbl |
|--------------|----------------------------------------|---------------|
| 105.00       | Oil Spotted Watery Mud trc%O 15%W 85%M | 1.190         |
| 0.00         |                                        | 0.000         |

Total Length: 105.00 ft

Total Volume: 1.190 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

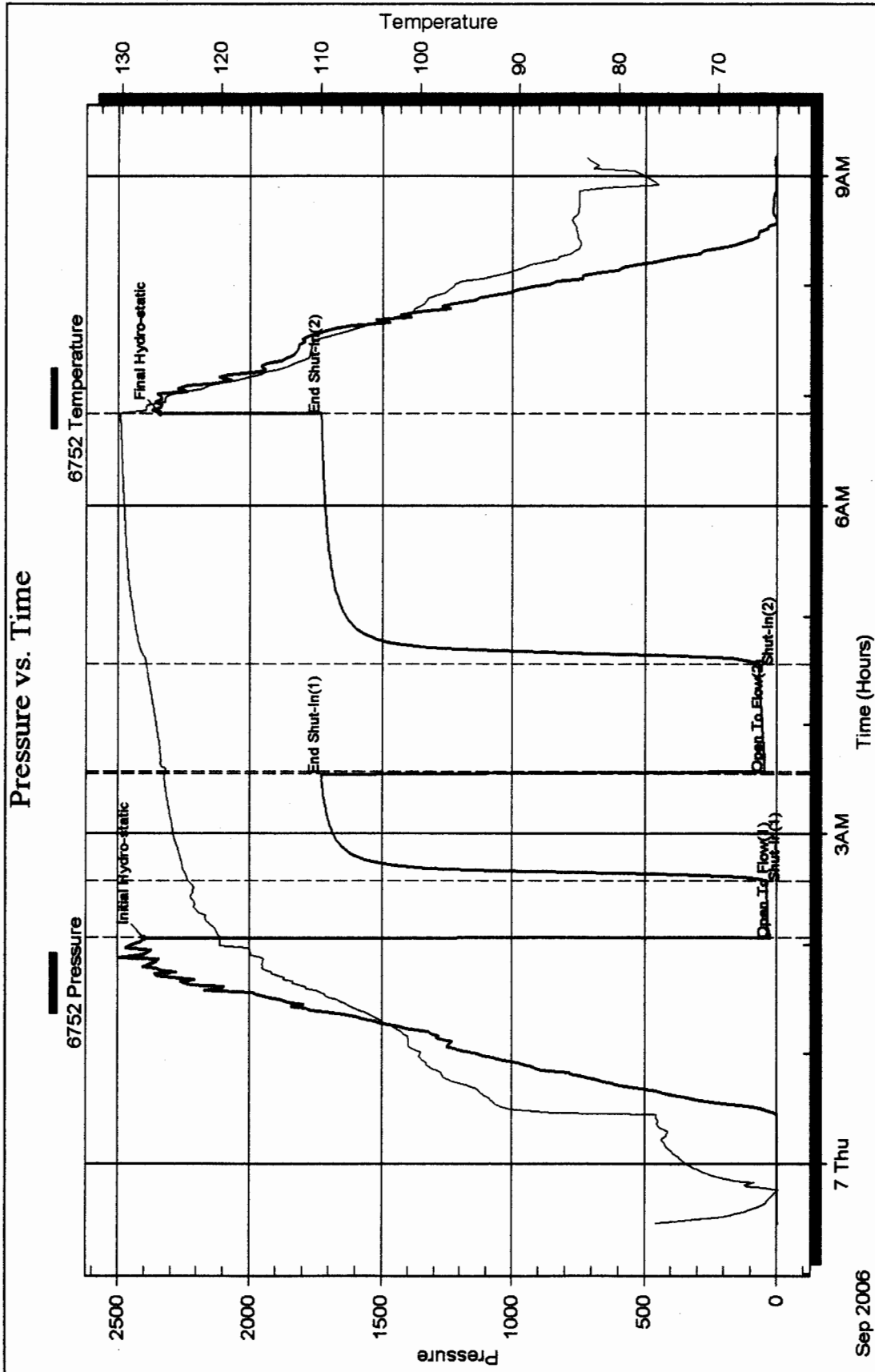
31 31 16 Comanche KS

Woodsey Operating

Inside

Serial #: 6752

# Pressure vs. Time



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