

## DRILL STEM TEST REPORT

Prepared For: **Woolsey**

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**7 34 11 Barber KS**

**Michel C #1**

Start Date: 2006.10.09 @ 16:49:56

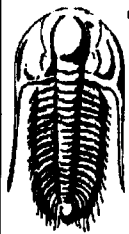
End Date: 2006.10.10 @ 00:54:24

Job Ticket #: 26195                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**Michel C #1**

**7 34 11 Barber KS**

Job Ticket: 26195

**DST#: 1**

Test Start: 2006.10.09 @ 16:49:56

### GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:18:39

Time Test Ended: 00:54:24

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **4090.00 ft (KB) To 4150.00 ft (KB) (TVD)**

Total Depth: **4150.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **1432.00 ft (KB)**

**1421.00 ft (CF)**

**KB to GR/CF: 11.00 ft**

**Serial #: 6769**

**Inside**

Press@RunDepth: **63.25 psig @ 4095.01 ft (KB)**

Start Date: **2006.10.09**

End Date:

**2006.10.10**

Capacity: **7000.00 psig**

Last Calib.:

**2006.10.10**

Start Time: **16:49:56**

End Time:

**00:54:24**

Time On Btm: **2006.10.09 @ 19:12:54**

Time Off Btm: **2006.10.09 @ 22:17:54**

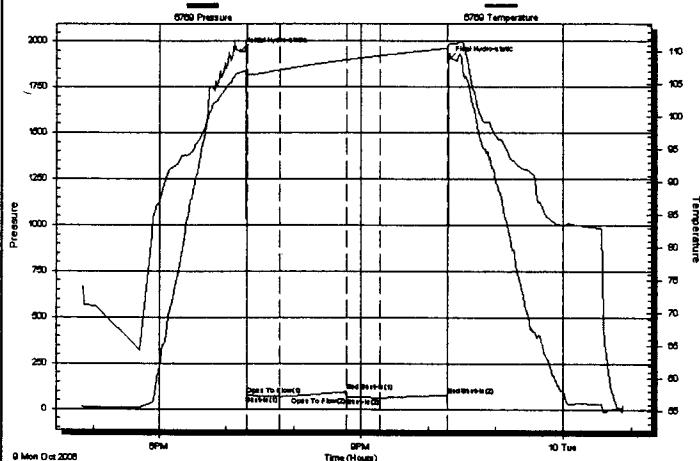
TEST COMMENT: **IFP Sur blow died 7 min.**

**ISI No blow back**

**FFP No blow**

**FSI No blow back**

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1944.51         | 106.85       | Initial Hydro-static |
| 6           | 77.48           | 106.68       | Open To Flow (1)     |
| 35          | 69.79           | 107.20       | Shut-In (1)          |
| 94          | 95.93           | 108.75       | End Shut-In (1)      |
| 95          | 66.43           | 108.76       | Open To Flow (2)     |
| 125         | 63.25           | 109.40       | Shut-In (2)          |
| 185         | 79.44           | 110.55       | End Shut-In (2)      |
| 186         | 1895.85         | 111.10       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 50.00       | Mud 100%M   | 0.42         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

Michel C #1

7 34 11 Barber KS

Job Ticket: 26195

DST#: 1

Test Start: 2006.10.09 @ 16:49:56

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 4054.00 ft | Diameter: 3.80 inches   | Volume: 56.87 bbl | Tool Weight: 2500.00 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: 31.00 ft   | Diameter: 2.25 inches   | Volume: 0.15 bbl  | Weight to Pull Loose: 70000.00 lb  |
|                           |                    | Total Volume: 57.02 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 22.00 ft           |                         |                   | String Weight: Initial 52000.00 lb |
| Depth to Top Packer:      | 4090.00 ft         |                         |                   | Final 52000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 60.02 ft           |                         |                   |                                    |
| Tool Length:              | 87.02 ft           |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |
| Tool Comments:            |                    |                         |                   |                                    |
| Started out of hole 1500  |                    |                         |                   |                                    |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 4068.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4073.00    |                               |
| Jars             | 5.00        |            |          | 4078.00    |                               |
| Safety Joint     | 2.00        |            |          | 4080.00    |                               |
| Packer           | 5.00        |            |          | 4085.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4090.00    |                               |
| Stubb            | 1.00        |            |          | 4091.00    |                               |
| Perforations     | 3.00        |            |          | 4094.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4095.00    |                               |
| Recorder         | 0.01        | 6769       | Inside   | 4095.01    |                               |
| Blank Spacing    | 31.00       |            |          | 4126.01    |                               |
| Change Over Sub  | 1.00        |            |          | 4127.01    |                               |
| Perforations     | 20.00       |            |          | 4147.01    |                               |
| Recorder         | 0.01        | 13548      | Outside  | 4147.02    |                               |
| Bullnose         | 3.00        |            |          | 4150.02    | 60.02 Bottom Packers & Anchor |

**Total Tool Length: 87.02**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Woolsey

**Michel C #1**

125 N Market St 1000  
Wichita KS 67202

**7 34 11 Barber KS**

Job Ticket: 26195

**DST#: 1**

ATTN: Bill Kalver

Test Start: 2006.10.09 @ 16:49:56

### 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: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.84 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 50.00        | Mud 100%M   | 0.419         |

Total Length: 50.00 ft

Total Volume: 0.419 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

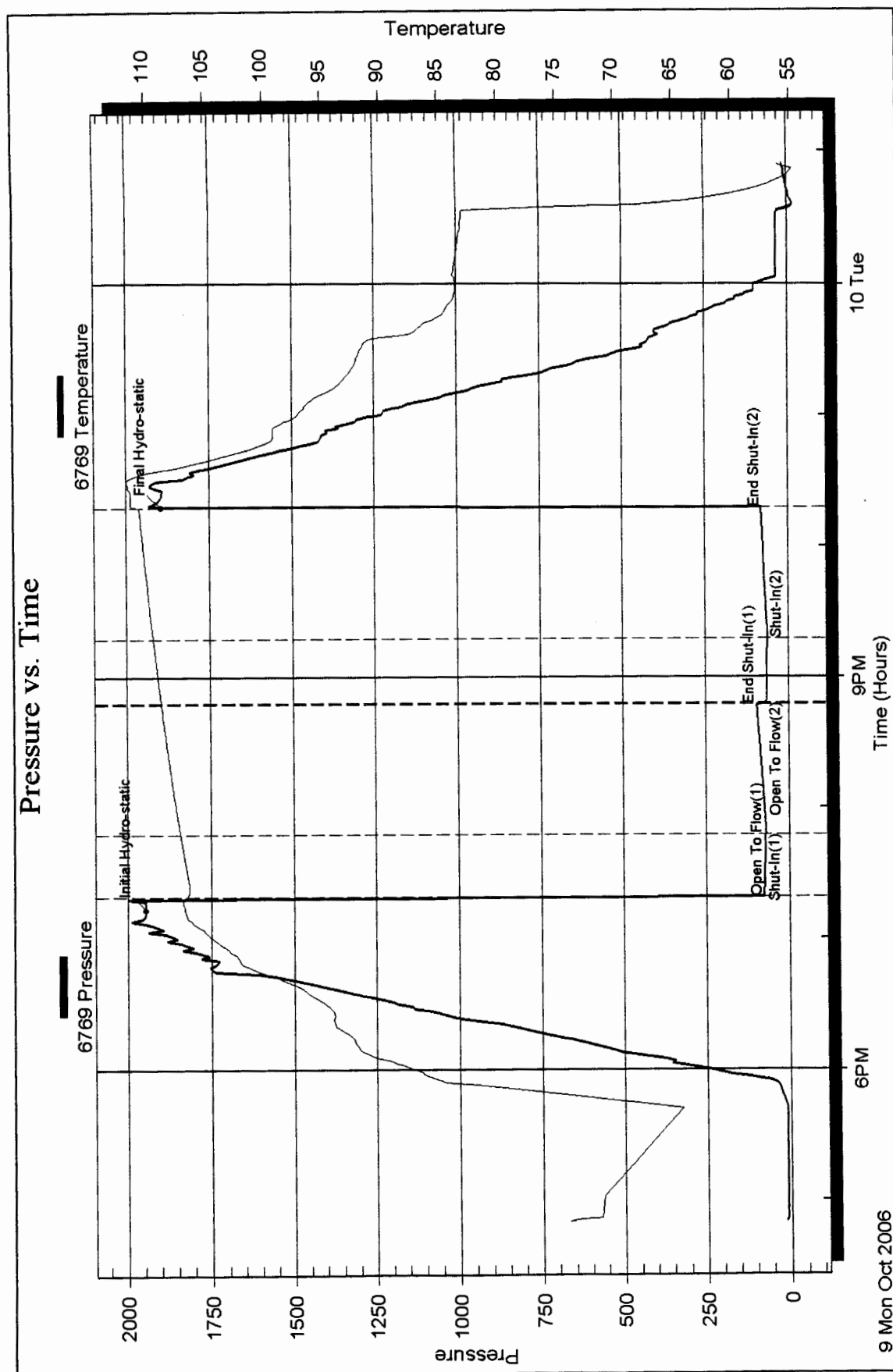
7 34 11 Barber KS

Woodsey

Inside

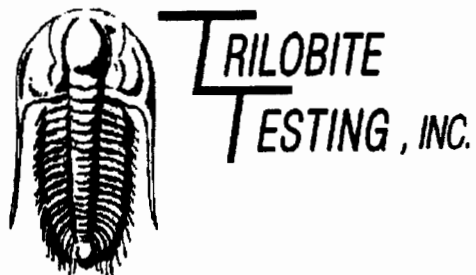
Serial #: 6769

# Pressure vs. Time



Ref. No: 26195

Trilobite Testing, Inc



## DRILL STEM TEST REPORT

Prepared For: **Woolsey**

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**7 34 11 Barber KS**

**Michel C #1**

Start Date: 2006.10.11 @ 13:28:02

End Date: 2006.10.11 @ 22:41:30

Job Ticket #: 26196                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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**TESTING, INC.**

## DRILL STEM TEST REPORT

Woolsey  
125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

Michel C #1

7 34 11 Barber KS

Job Ticket: 26196

DST#: 2

Test Start: 2006.10.11 @ 13:28:02

### GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:53:00

Time Test Ended: 22:41:30

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **4577.00 ft (KB) To 4637.00 ft (KB) (TVD)**

Total Depth: 4637.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1432.00 ft (KB)

1421.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6769

Inside

Press@RunDepth: 114.11 psig @ 4582.01 ft (KB)

Start Date: 2006.10.11

End Date:

2006.10.11

Capacity: 7000.00 psig

Last Calib.: 2006.10.11

Start Time: 01:28:02

End Time:

10:41:30

Time On Btm: 2006.10.11 @ 03:52:30

Time Off Btm: 2006.10.11 @ 08:30:30

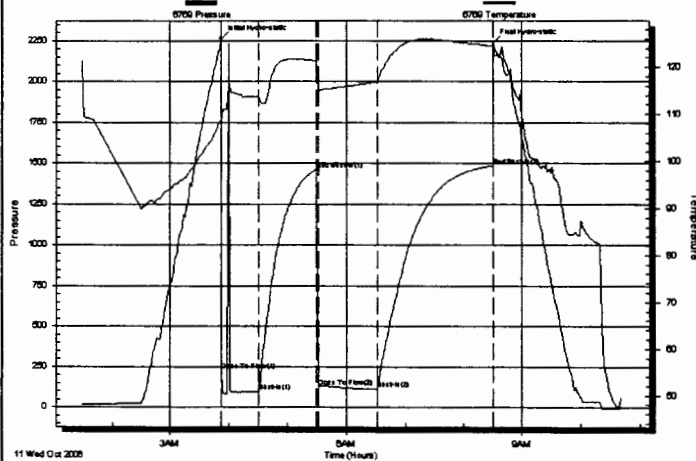
TEST COMMENT: IFF BOB 1 min. GTS 24 min.

ISI No blow back

FFP BOB open

FSI No blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2262.12         | 108.96       | Initial Hydro-static |
| 1           | 226.25          | 108.16       | Open To Flow (1)     |
| 39          | 95.05           | 113.74       | Shut-In(1)           |
| 97          | 1460.96         | 121.28       | End Shut-In(1)       |
| 100         | 123.40          | 115.03       | Open To Flow (2)     |
| 159         | 114.11          | 116.84       | Shut-In(2)           |
| 278         | 1488.01         | 124.41       | End Shut-In(2)       |
| 279         | 2239.80         | 124.96       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 120.00      | Mud 100%M   | 1.40         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13           | 2.00            | 6.14             |
| Last Gas Rate  | 0.13           | 12.00           | 9.88             |
| Max. Gas Rate  | 0.13           | 18.00           | 12.13            |



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

Michel C #1

7 34 11 Barber KS

Job Ticket: 26196

DST#: 2

Test Start: 2006.10.11 @ 13:28:02

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4546.00 ft | Diameter: 3.80 inches | Volume: 63.77 bbl | Tool Weight:           | 2500.00 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: 31.00 ft   | Diameter: 2.25 inches | Volume: 0.15 bbl  | Weight to Pull Loose:  | 60000.00 lb |
|                           |                    | Total Volume:         | 63.92 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 27.00 ft           |                       |                   | String Weight: Initial | 54000.00 lb |
| Depth to Top Packer:      | 4577.00 ft         |                       |                   | Final                  | 55000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 60.02 ft           |                       |                   |                        |             |
| Tool Length:              | 87.02 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        |            |          | 4555.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4560.00    |                               |
| Jars             | 5.00        |            |          | 4565.00    |                               |
| Safety Joint     | 2.00        |            |          | 4567.00    |                               |
| Packer           | 5.00        |            |          | 4572.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4577.00    |                               |
| Stubb            | 1.00        |            |          | 4578.00    |                               |
| Perforations     | 3.00        |            |          | 4581.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4582.00    |                               |
| Recorder         | 0.01        | 6769       | Inside   | 4582.01    |                               |
| Blank Spacing    | 31.00       |            |          | 4613.01    |                               |
| Change Over Sub  | 1.00        |            |          | 4614.01    |                               |
| Perforations     | 20.00       |            |          | 4634.01    |                               |
| Recorder         | 0.01        | 13548      | Outside  | 4634.02    |                               |
| Bullnose         | 3.00        |            |          | 4637.02    | 60.02 Bottom Packers & Anchor |

**Total Tool Length: 87.02**





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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Woolsey

Michel C #1

125 N Market St 1000  
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26196

DST#: 2

ATTN: Bill Kalver

Test Start: 2006.10.11 @ 13:28:02

### 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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.27 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 120.00       | Mud 100%M   | 1.401         |

Total Length: 120.00 ft

Total Volume: 1.401 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GTS 24 min.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**Michel C #1**

**7 34 11 Barber KS**

Job Ticket: 26196

DST#: 2

Test Start: 2006.10.11 @ 13:28:02

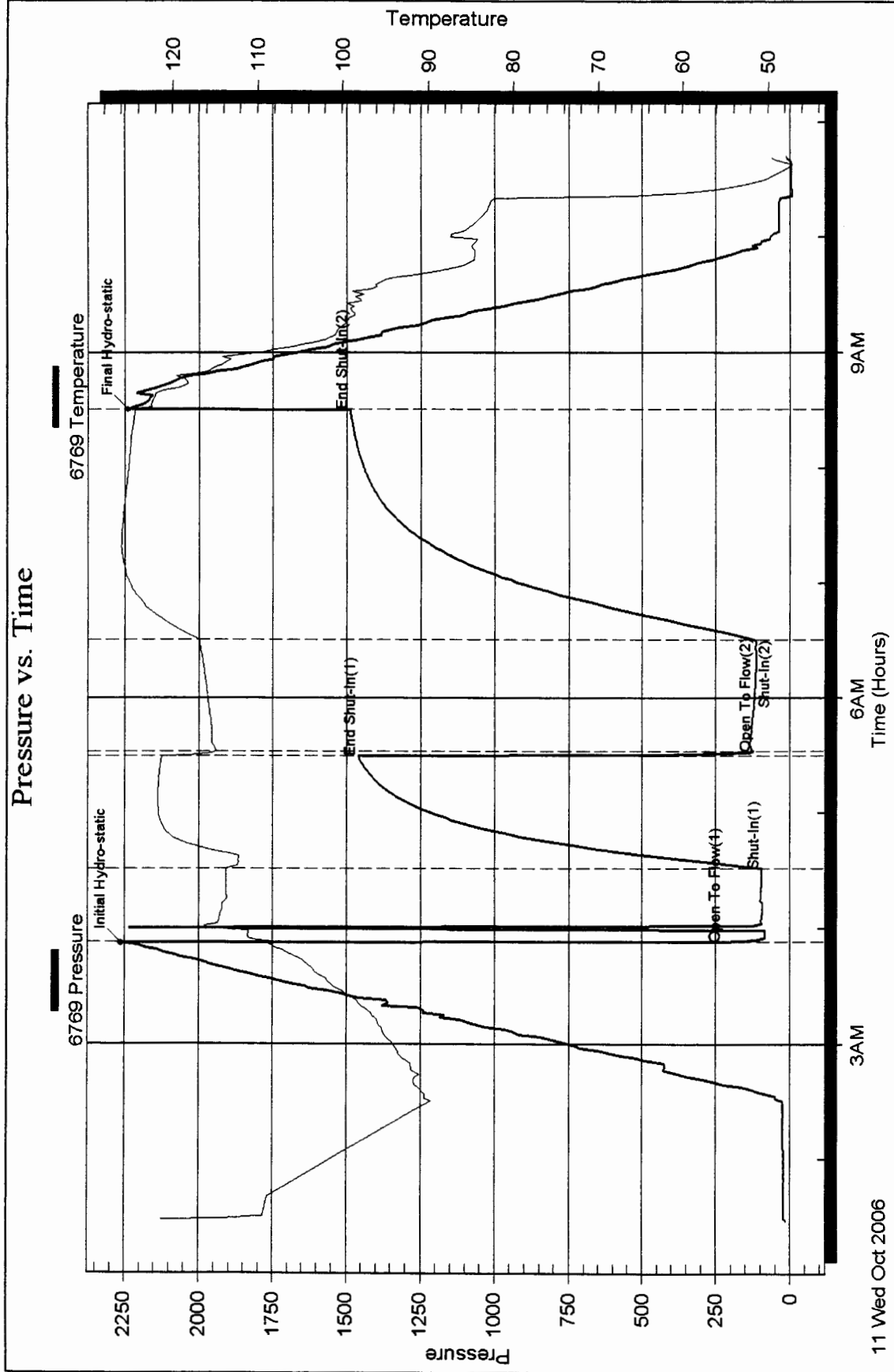
### Gas Rates Information

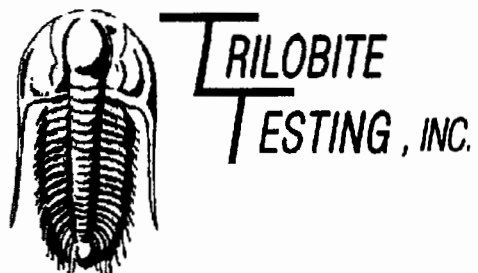
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke<br>(mm) | Pressure<br>(kPaa) | Gas Rate<br>(m³/d) |
|-------------|--------------|---------------|--------------------|--------------------|
| 1           | 24           | 0.13          | 2.00               | 6.14               |
| 1           | 30           | 0.13          | 2.00               | 6.14               |
| 2           | 10           | 0.13          | 18.00              | 12.13              |
| 2           | 20           | 0.25          | 15.00              | 46.64              |
| 2           | 30           | 0.25          | 12.00              | 41.88              |
| 2           | 40           | 0.25          | 10.00              | 38.71              |
| 2           | 50           | 0.25          | 8.00               | 35.54              |
| 2           | 60           | 0.13          | 12.00              | 9.88               |

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Woolsey**

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**7 34 11 Barber KS**

**Michel C #1**

Start Date: 2006.10.12 @ 07:04:31

End Date: 2006.10.12 @ 16:53:44

Job Ticket #: 26197                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

Michel C #1

7 34 11 Barber KS

Job Ticket: 26197

DST#: 3

Test Start: 2006.10.12 @ 07:04:31

### GENERAL INFORMATION:

Formation: **Mississippian (2)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:28:59

Time Test Ended: 16:53:44

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **4639.00 ft (KB) To 4667.00 ft (KB) (TVD)**

Total Depth: 4667.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1432.00 ft (KB)

1421.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6769**

Inside

Press@RunDepth: 226.86 psig @ 4644.01 ft (KB)

Start Date: 2006.10.12

End Date:

2006.10.12

Capacity: 7000.00 psig

Last Calib.: 2006.10.12

Start Time: 07:04:31

End Time:

16:53:44

Time On Btm: 2006.10.12 @ 09:27:29

Time Off Btm: 2006.10.12 @ 13:57:59

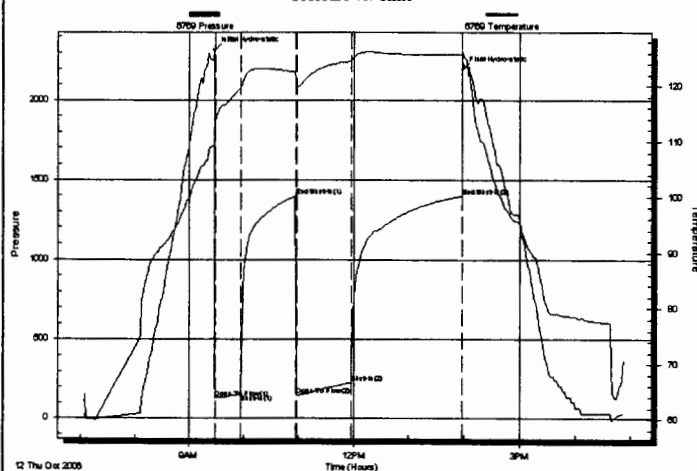
TEST COMMENT: IFP BOB open GTS 5 min.

ISI 3 " blow back

FFP BOB open

FSI BOB blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2312.79         | 109.27       | Initial Hydro-static |
| 2           | 127.15          | 113.64       | Open To Flow (1)     |
| 30          | 154.65          | 119.75       | Shut-In(1)           |
| 90          | 1395.02         | 122.62       | End Shut-In(1)       |
| 91          | 148.05          | 120.27       | Open To Flow(2)      |
| 150         | 226.86          | 124.56       | Shut-In(2)           |
| 271         | 1395.46         | 125.77       | End Shut-In(2)       |
| 271         | 2192.77         | 126.46       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 465.00      | G Free Oil  | 6.24         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.38           | 18.00           | 118.69           |
| Last Gas Rate  | 0.25           | 17.00           | 49.81            |
| Max. Gas Rate  | 0.38           | 19.00           | 122.35           |



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**Michel C #1**

**7 34 11 Barber KS**

Job Ticket: 26197

**DST#: 3**

Test Start: 2006.10.12 @ 07:04:31

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4614.00 ft | Diameter: 3.80 inches | Volume: 64.72 bbl | Tool Weight:           | 2500.00 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: 31.00 ft   | Diameter: 2.25 inches | Volume: 0.15 bbl  | Weight to Pull Loose:  | 60000.00 lb |
|                           |                    | Total Volume:         | 64.87 bbl         | Tool Chased            | 1.00 ft     |
| Drill Pipe Above KB:      | 33.00 ft           |                       |                   | String Weight: Initial | 52000.00 lb |
| Depth to Top Packer:      | 4639.00 ft         |                       |                   | Final                  | 56000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 28.02 ft           |                       |                   |                        |             |
| Tool Length:              | 55.02 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        |            |          | 4617.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4622.00    |                               |
| Jars             | 5.00        |            |          | 4627.00    |                               |
| Safety Joint     | 2.00        |            |          | 4629.00    |                               |
| Packer           | 5.00        |            |          | 4634.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4639.00    |                               |
| Stubb            | 1.00        |            |          | 4640.00    |                               |
| Perforations     | 4.00        |            |          | 4644.00    |                               |
| Recorder         | 0.01        | 6769       | Inside   | 4644.01    |                               |
| Perforations     | 20.00       |            |          | 4664.01    |                               |
| Recorder         | 0.01        | 13548      | Outside  | 4664.02    |                               |
| Bullnose         | 3.00        |            |          | 4667.02    | 28.02 Bottom Packers & Anchor |

**Total Tool Length: 55.02**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Woolsey

**Michel C #1**

125 N Market St 1000  
Wichita KS 67202

**7 34 11 Barber KS**

Job Ticket: 26197

**DST#: 3**

ATTN: Bill Kalver

Test Start: 2006.10.12 @ 07:04:31

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

13 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.71 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 465.00       | G Free Oil  | 6.240         |

Total Length: 465.00 ft

Total Volume: 6.240 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GTS 5 min



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

## DRILL STEM TEST REPORT

**GAS RATES**

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**Michel C #1**

**7 34 11 Barber KS**

Job Ticket: 26197

**DST#: 3**

Test Start: 2006.10.12 @ 07:04:31

### Gas Rates Information

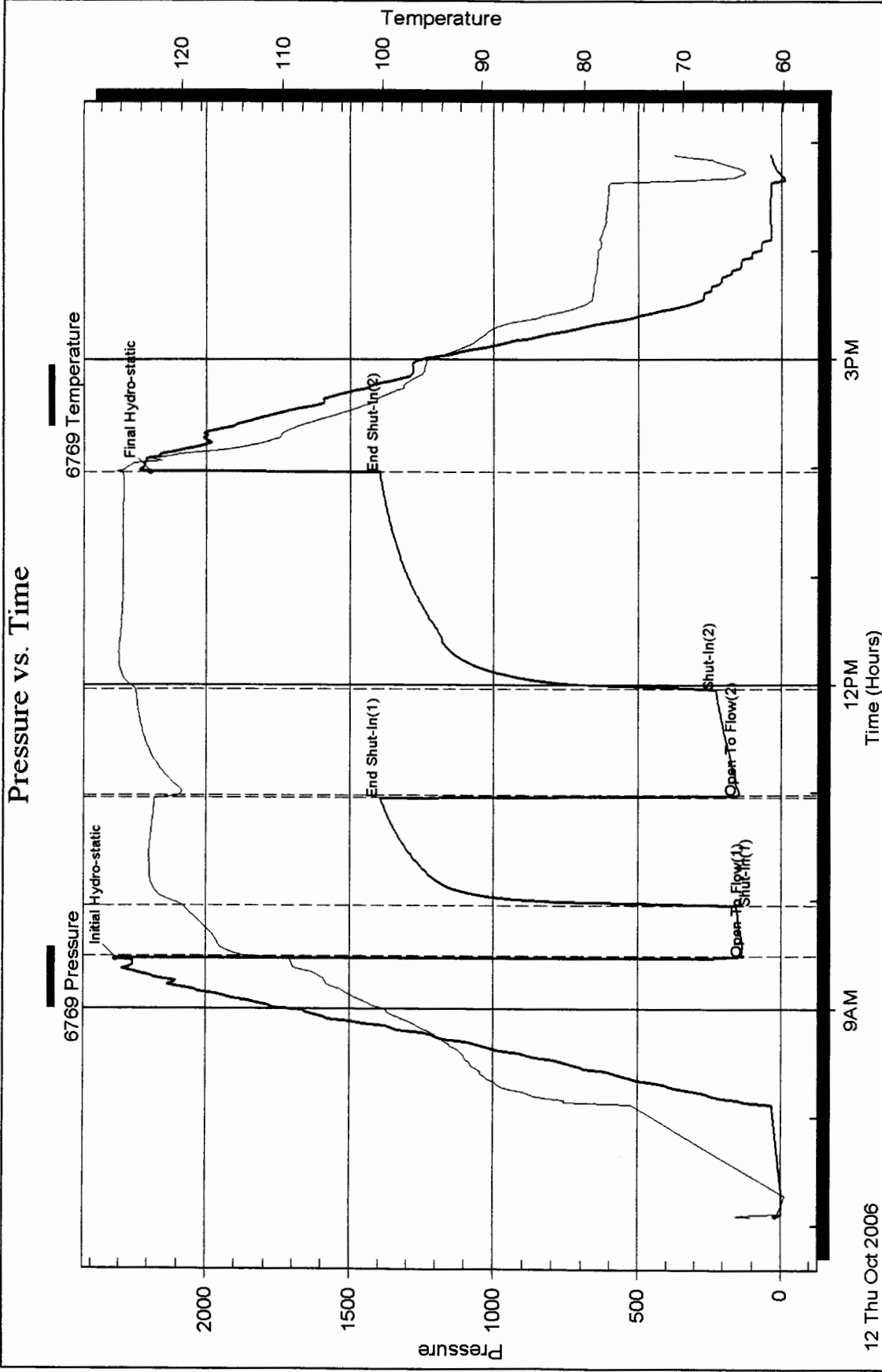
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

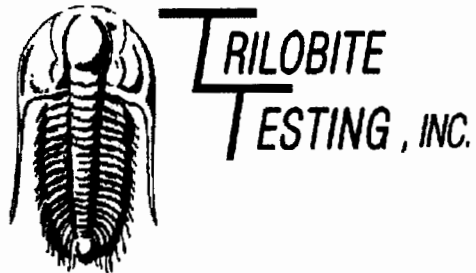
Gas Rates Table

| Flow Period | Elapsed Time | Choke<br>(mm) | Pressure<br>(kPaa) | Gas Rate<br>(m³/d) |
|-------------|--------------|---------------|--------------------|--------------------|
| 1           | 10           | 0.38          | 18.00              | 118.69             |
| 1           | 10           | 0.38          | 18.00              | 118.69             |
| 1           | 10           | 0.38          | 18.00              | 118.69             |
| 1           | 15           | 0.38          | 19.00              | 122.35             |
| 1           | 20           | 0.38          | 19.00              | 122.35             |
| 1           | 23           | 0.38          | 19.00              | 122.35             |
| 2           | 10           | 0.38          | 14.00              | 104.04             |
| 2           | 20           | 0.38          | 10.00              | 89.38              |
| 2           | 30           | 0.25          | 14.00              | 45.05              |
| 2           | 40           | 0.25          | 16.00              | 48.23              |
| 2           | 60           | 0.25          | 17.00              | 49.81              |



# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Woolsey**

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**7 34 11 Barber KS**

**Michel C #1**

Start Date: 2006.10.13 @ 04:35:04

End Date: 2006.10.13 @ 14:02:32

Job Ticket #: 26198                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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

## DRILL STEM TEST REPORT

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**Michel C #1**

**7 34 11 Barber KS**

Job Ticket: 26198

**DST#: 4**

Test Start: 2006.10.13 @ 04:35:04

### GENERAL INFORMATION:

Formation: **Mississippian (3)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:47

Time Test Ended: 14:02:32

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **4684.00 ft (KB) To 4728.00 ft (KB) (TVD)**

Total Depth: 4728.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1432.00 ft (KB)

1421.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6769 Inside**

Press@RunDepth: 71.31 psig @ 4688.01 ft (KB)

Start Date: 2006.10.13

End Date:

2006.10.13

Capacity: 7000.00 psig

Last Calib.: 2006.10.13

Start Time: 04:35:04

End Time:

14:02:32

Time On Btm: 2006.10.13 @ 08:13:32

Time Off Btm: 2006.10.13 @ 11:57:32

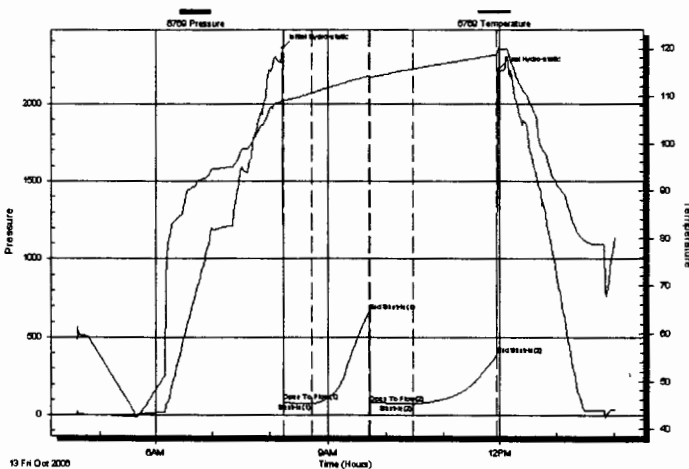
TEST COMMENT: IFP Weak blow throughout 1/2 "

ISI No blow back

FFP No blow

FSI No blow back

Pressure vs. Time



### PRESSURE SUMMARY

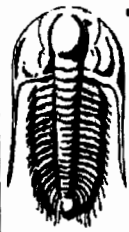
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2353.31         | 109.43       | Initial Hydro-static |
| 1           | 85.66           | 108.54       | Open To Flow(1)      |
| 30          | 73.07           | 110.72       | Shut-In(1)           |
| 90          | 663.04          | 114.30       | End Shut-In(1)       |
| 90          | 72.83           | 114.15       | Open To Flow(2)      |
| 135         | 71.31           | 115.80       | Shut-In(2)           |
| 224         | 385.67          | 118.75       | End Shut-In(2)       |
| 225         | 2209.54         | 119.40       | Final Hydro-static   |

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 30.00       | VSOCM 1%O 99%M | 0.15         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

Michel C #1

7 34 11 Barber KS

Job Ticket: 26198

DST#: 4

Test Start: 2006.10.13 @ 04:35:04

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 4646.00 ft | Diameter: 3.80 inches   | Volume: 65.17 bbl | Tool Weight: 2500.00 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: 31.00 ft   | Diameter: 2.25 inches   | Volume: 0.15 bbl  | Weight to Pull Loose: 80000.00 lb  |
|                           |                    | Total Volume: 65.32 bbl |                   | Tool Chased 2.00 ft                |
| Drill Pipe Above KB:      | 20.00 ft           |                         |                   | String Weight: Initial 54000.00 lb |
| Depth to Top Packer:      | 4684.00 ft         |                         |                   | Final 54000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 44.02 ft           |                         |                   |                                    |
| Tool Length:              | 71.02 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        |            |          | 4662.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4667.00    |                               |
| Jars             | 5.00        |            |          | 4672.00    |                               |
| Safety Joint     | 2.00        |            |          | 4674.00    |                               |
| Packer           | 5.00        |            |          | 4679.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4684.00    |                               |
| Stubb            | 1.00        |            |          | 4685.00    |                               |
| Perforations     | 2.00        |            |          | 4687.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4688.00    |                               |
| Recorder         | 0.01        | 6769       | Inside   | 4688.01    |                               |
| Blank Spacing    | 31.00       |            |          | 4719.01    |                               |
| Change Over Sub  | 1.00        |            |          | 4720.01    |                               |
| Perforations     | 5.00        |            |          | 4725.01    |                               |
| Recorder         | 0.01        | 13548      | Outside  | 4725.02    |                               |
| Bullnose         | 3.00        |            |          | 4728.02    | 44.02 Bottom Packers & Anchor |

**Total Tool Length: 71.02**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Woolsey

Michel C #1

125 N Market St 1000  
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26198

DST#: 4

ATTN: Bill Kalver

Test Start: 2006.10.13 @ 04:35:04

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 11.94 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 30.00        | VSOCM 1%O 99%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:

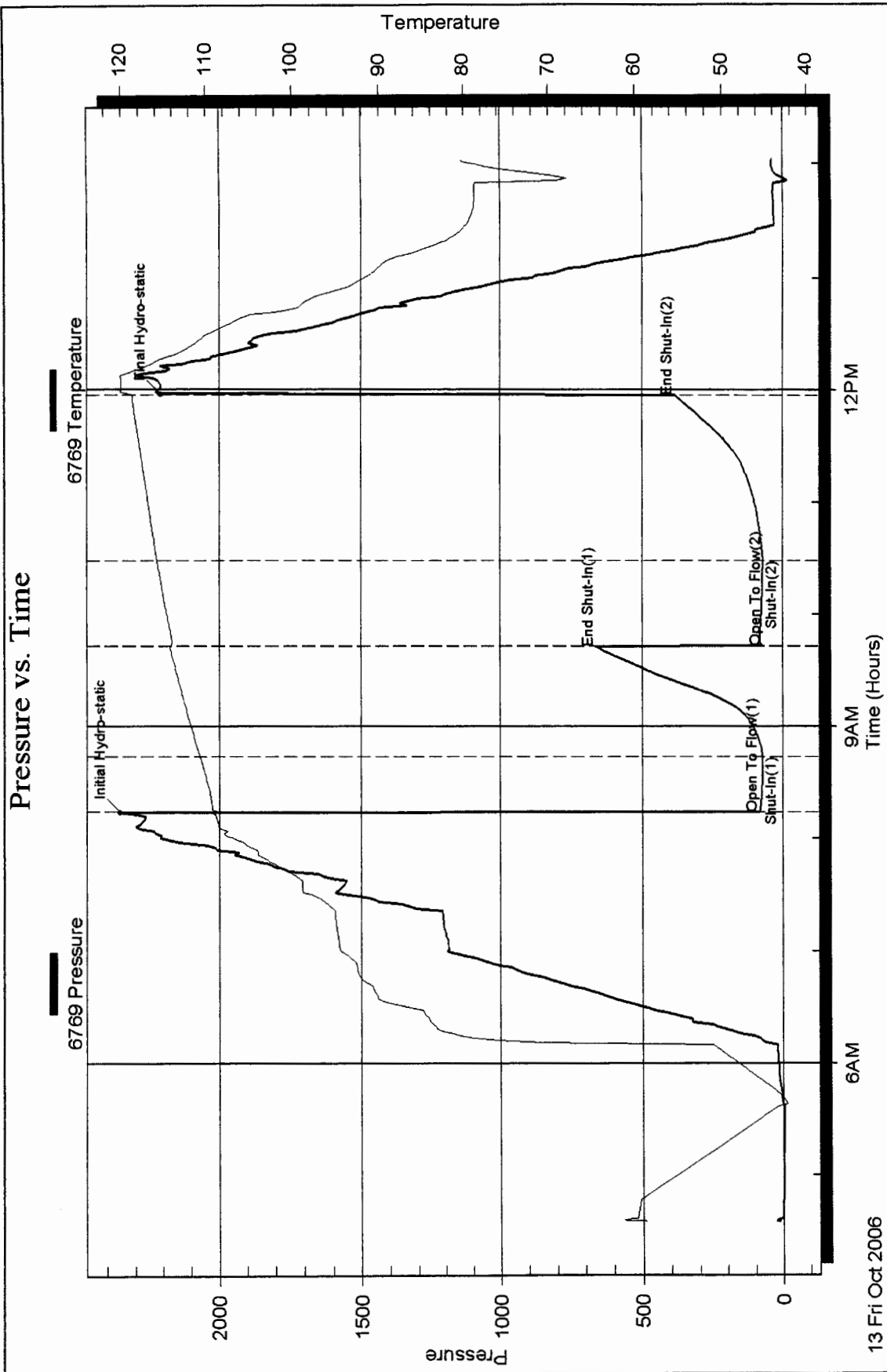
DST Test Number: 4

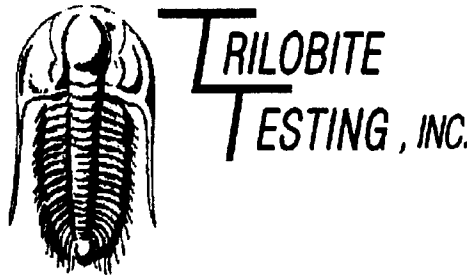
7 34 11 Barber KS

Woodsey

Inside

Serial #: 6769





## DRILL STEM TEST REPORT

Prepared For: **Woolsey**

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**7 34 11 Barber KS**

**Michel C #1**

Start Date: 2006.10.13 @ 22:31:25

End Date: 2006.10.14 @ 07:39:25

Job Ticket #: 25786                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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

## DRILL STEM TEST REPORT

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

**Michel C #1**

**7 34 11 Barber KS**

Job Ticket: 25786

**DST#: 5**

Test Start: 2006.10.13 @ 22:31:25

### GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 01:49:55

Time Test Ended: 07:39:25

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushenbery**

Unit No: **30**

Interval: **4728.00 ft (KB) To 4758.00 ft (KB) (TVD)**

Total Depth: **4758.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1432.00 ft (KB)**

**1421.00 ft (CF)**

KB to GR/CF: **11.00 ft**

**Serial #: 6668**

**Inside**

Press@RunDepth: **46.58 psig @ 4728.00 ft (KB)**

Start Date: **2006.10.13**

End Date:

**2006.10.14**

Start Time: **22:31:30**

End Time:

**07:39:25**

Capacity: **7000.00 psig**

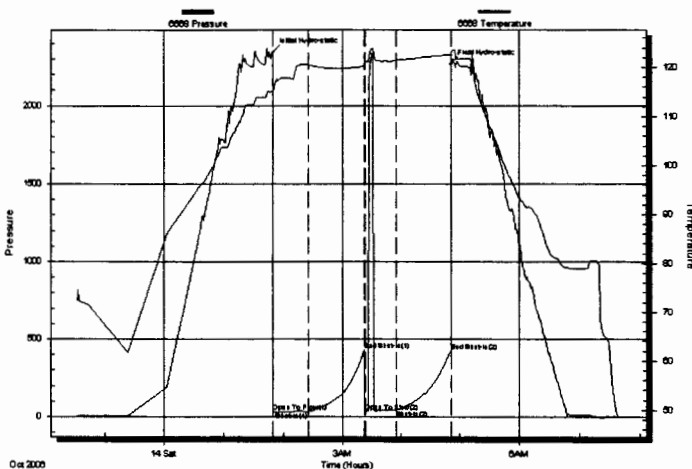
Last Calib.: **2006.10.14**

Time On Btm: **2006.10.14 @ 01:49:40**

Time Off Btm: **2006.10.14 @ 04:50:54**

TEST COMMENT: IF No blow  
ISI No blow back  
FF No blow Flushed tool No blow  
FSI No blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2340.19         | 115.25       | Initial Hydro-static |
| 1           | 34.59           | 115.17       | Open To Flow (1)     |
| 36          | 34.85           | 120.48       | Shut-In(1)           |
| 93          | 424.27          | 120.18       | End Shut-In(1)       |
| 94          | 34.36           | 120.97       | Open To Flow (2)     |
| 126         | 46.58           | 121.49       | Shut-In(2)           |
| 181         | 421.46          | 122.64       | End Shut-In(2)       |
| 182         | 2268.22         | 123.14       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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





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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey

125 N Market St 1000  
Wichita KS 67202

ATTN: Bill Kalver

Michel C #1

7 34 11 Barber KS

Job Ticket: 25786

DST#: 5

Test Start: 2006.10.13 @ 22:31:25

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 4647.00 ft | Diameter: 3.80 inches   | Volume: 65.19 bbl | Tool Weight: 2100.00 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: 62.00 ft   | Diameter: 2.25 inches   | Volume: 0.30 bbl  | Weight to Pull Loose: 82000.00 lb  |
|                           |                    | Total Volume: 65.49 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 9.00 ft            |                         |                   | String Weight: Initial 56000.00 lb |
| Depth to Top Packer:      | 4728.00 ft         |                         |                   | Final 52000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 30.00 ft           |                         |                   |                                    |
| Tool Length:              | 58.00 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        |            |          | 4705.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 4710.00    |                               |
| Jars               | 5.00        |            |          | 4715.00    |                               |
| Safety Joint       | 3.00        |            |          | 4718.00    |                               |
| Packer             | 5.00        |            |          | 4723.00    | 28.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 4728.00    |                               |
| Recorder           | 0.00        | 6668       | Inside   | 4728.00    |                               |
| Perforations       | 27.00       |            |          | 4755.00    |                               |
| Recorder           | 0.00        | 13266      | Outside  | 4755.00    |                               |
| Bullnose           | 3.00        |            |          | 4758.00    | 30.00 Bottom Packers & Anchor |
| Total Tool Length: | 58.00       |            |          |            |                               |



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Woolsey

Michel C #1

125 N Market St 1000  
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 25786

DST#: 5

ATTN: Bill Kalver

Test Start: 2006.10.13 @ 22:31:25

### 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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
|              |             |               |

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

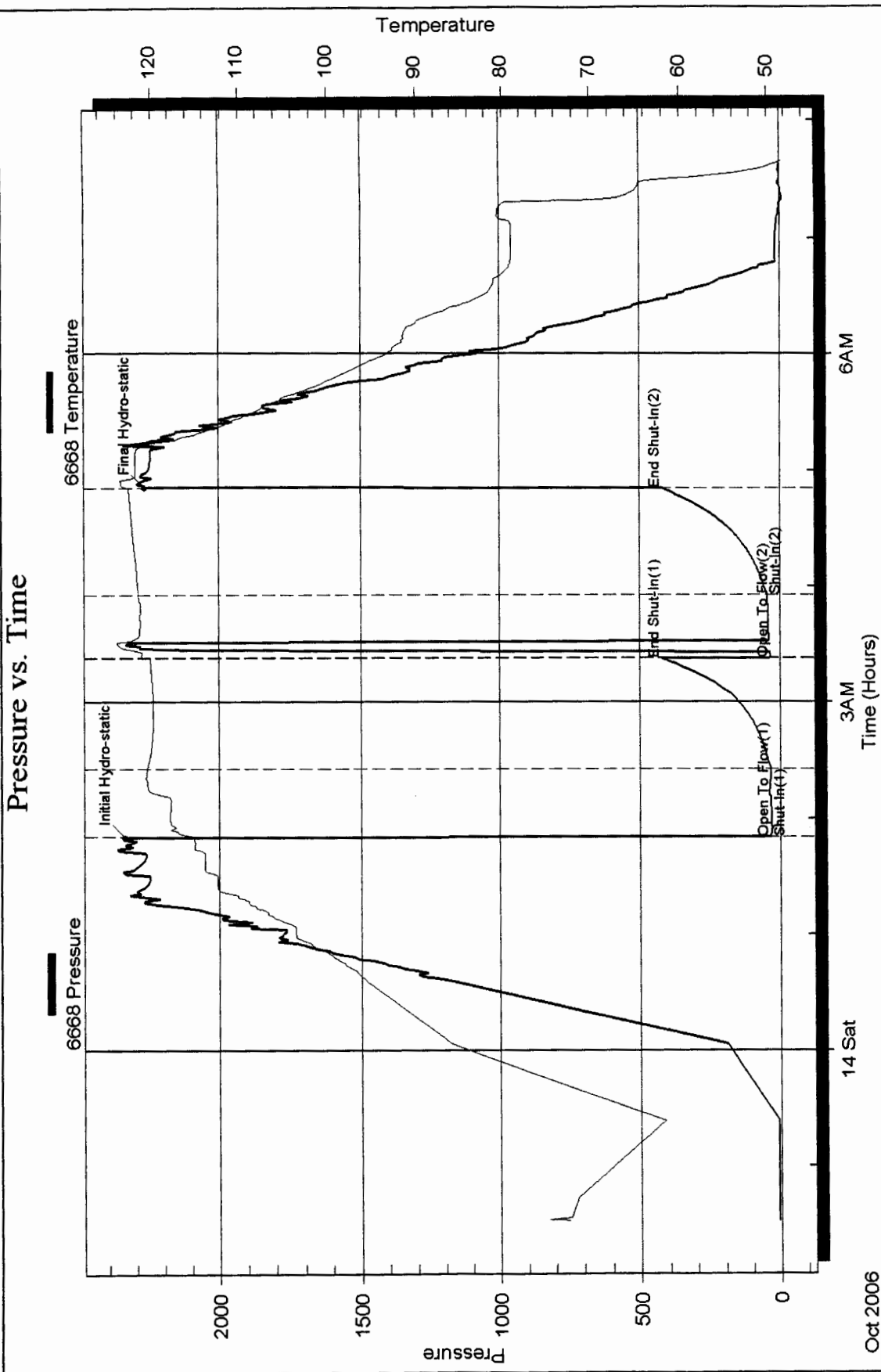
Serial #:

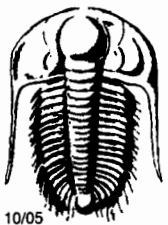
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26195

9402

## Test Ticket

Well Name & No. Michel C #1 Test No. 1 Date 10-9-06  
 Company Woolsey Zone Tested LKC "G"  
 Address 125 N. Market St. 1000 Wichita, Ks 67202 Elevation 1432 KB 1421 GL  
 Co. Rep / Geo. Bill Kalver Rig Orke 1  
 Location: Sec. 7 Twp. 34 Rge. 11 Co. Barber State Ks  
 Comment: Started out of hole 1500 Release date / time: \_\_\_\_\_

Interval Tested 4090-4150 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52,000  
 Anchor Length 60 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth 4085 Tool Weight 2500  
 Bottom Packer Depth 4090 Hole Size 7 7/8" - Rubber Size 6 3/4" -  
 Total Depth 4150 Wt. Pipe Run - Drill Collar Run 31  
 Mud Wt. 9.2 LCM - Vis. 42 WL 12.0 Drill Pipe Size 4 1/2 X 4 Ft. Run 4054  
 Blow Description IFP- sur blow died 7 min.

ISI- no blow back

FFP- no blow

FSI- no blow back

Recovery - Total Feet 50 GIP - Ft. in DC 31 Ft. in DP 19  
 Rec. 50 Feet of mud %gas %oil %water 100 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 111 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 7000 ppm System

|                                  | AK-1        | Alpine            | Recorder No.           | Test        |
|----------------------------------|-------------|-------------------|------------------------|-------------|
| (A) Initial Hydrostatic Mud      | <u>1945</u> | PSI               | <u>6769</u>            | <u>1200</u> |
| (B) First Initial Flow Pressure  | <u>77</u>   | PSI               | <u>4095</u>            | <u>250</u>  |
| (C) First Final Flow Pressure    | <u>70</u>   | PSI               | <u>13548</u>           | <u>15</u>   |
| (D) Initial Shut-In Pressure     | <u>96</u>   | PSI               | <u>4147</u>            |             |
| (E) Second Initial Flow Pressure | <u>66</u>   | PSI               |                        |             |
| (F) Second Final Flow Pressure   | <u>63</u>   | <del>79</del> PSI |                        |             |
| (G) Final Shut-In Pressure       | <u>79</u>   | PSI               | <u>Initial Opening</u> |             |
| (Q) Final Hydrostatic Mud        | <u>1896</u> | PSI               | <u>Initial Shut-In</u> |             |

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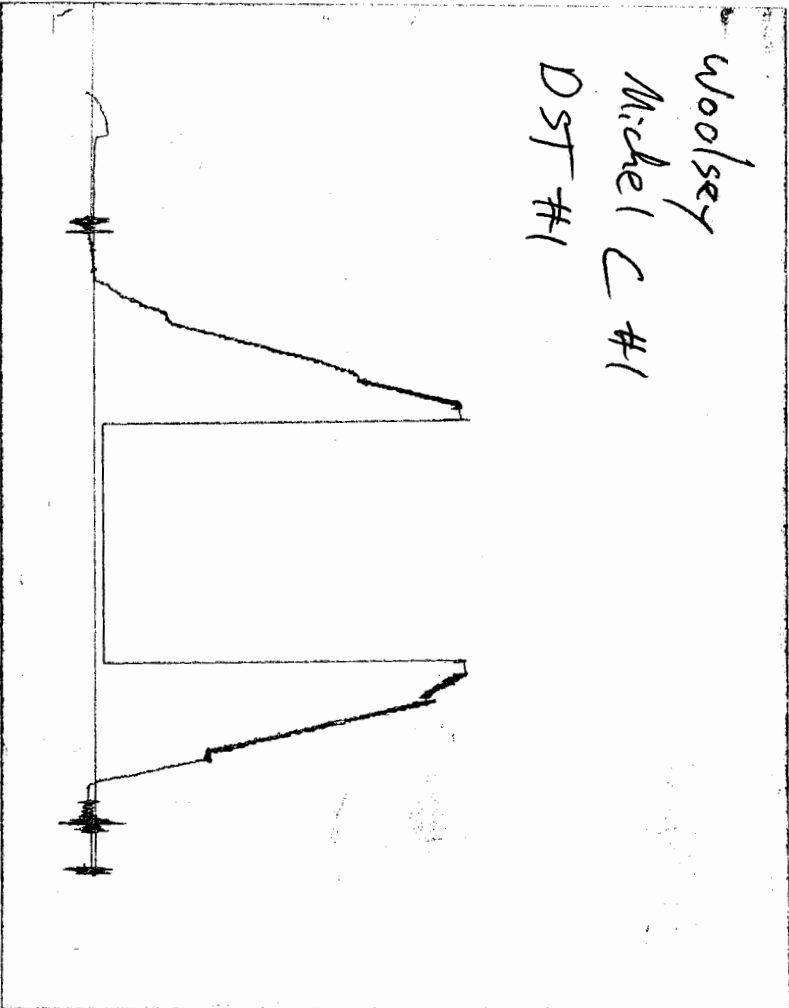
Approved By Bill Kalver  
 Our Representative Brian Fairbank (flink)

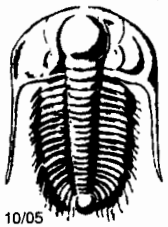
Final Flow 30 Ruined Packer \_\_\_\_\_  
 Final Shut-In 60 Mileage 188 110  
 T-On Location 1451 Sub Total: \_\_\_\_\_  
 T-Started 1649 Std. By hr 100  
 T-Open 1917 Acc. Chg: \_\_\_\_\_  
 T-Pulled 2217 Other: 11735  
 T-Out 0053 Total: \_\_\_\_\_

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

Woolsey  
Michel C #1  
DST #1





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26196

## Test Ticket

Well Name & No. Michel C #1 Test No. 2 Date 10-11-06  
 Company Woolsey Zone Tested Mississippian  
 Address 125 N. Market St. 1000 Wichita, Ks 67202 Elevation 1432 KB 1421 GL  
 Co. Rep / Geo. B. H. Kalver Rig Duke 1  
 Location: Sec. 7 Twp. 34<sup>s</sup> Rge. 11<sup>w</sup> Co. Berger State K  
 Comment: Geo called 0840 start off bottom about 1 hr / started off 1130 Release date / time: \_\_\_\_\_

Interval Tested 4577 - 4637 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 55,000  
 Anchor Length 60 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 6,000  
 Top Packer Depth 4572 Tool Weight 2500  
 Bottom Packer Depth 4577 Hole Size 7 7/8" - Rubber Size 6 3/4" -  
 Total Depth 4637 Wt. Pipe Run - Drill Collar Run 31  
 Mud Wt. 9.2 LCM - Vis. 45 WL 12.4 Drill Pipe Size 4 1/2 XH Ft. Run 4546

Blow Description IFP- BOB 1 min GTS 24 min  
ISI- no blow back  
FFP- BOB open  
FSI- no blow back

Recovery - Total Feet 120 GIP GTS 24 min Ft. in DC 31 Ft. in DP 89  
 Rec. 120 Feet of mud %gas %oil %water 100 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 124 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 7000 ppm System

|                                  | AK-1            | Alpine          | Recorder No. | Test        |
|----------------------------------|-----------------|-----------------|--------------|-------------|
| (A) Initial Hydrostatic Mud      | <u>2262</u> PSI |                 | <u>6769</u>  | <u>1200</u> |
| (B) First Initial Flow Pressure  | <u>98</u> PSI   |                 | <u>4582</u>  | <u>250</u>  |
| (C) First Final Flow Pressure    | <u>95</u> PSI   |                 | <u>13548</u> | <u>75</u>   |
| (D) Initial Shut-In Pressure     | <u>1461</u> PSI |                 | <u>4634</u>  |             |
| (E) Second Initial Flow Pressure | <u>123</u> PSI  |                 |              |             |
| (F) Second Final Flow Pressure   | <u>114</u> PSI  |                 |              |             |
| (G) Final Shut-In Pressure       | <u>1488</u> PSI | Initial Opening | <u>30</u>    |             |
| (Q) Final Hydrostatic Mud        | <u>2167</u> PSI | Initial Shut-In | <u>60</u>    |             |
|                                  |                 | Final Flow      | <u>60</u>    |             |
|                                  |                 | Final Shut-In   | <u>120</u>   |             |
|                                  |                 | T-On Location   | <u>0926</u>  |             |
|                                  |                 | T-Started       | <u>1328</u>  |             |
|                                  |                 | T-Open          | <u>1601</u>  |             |
|                                  |                 | T-Pulled        | <u>2031</u>  |             |
|                                  |                 | T-Out           | <u>2241</u>  |             |

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Approved By Brian Fairbank  
 Our Representative Brian Fairbank (Thurs)

Test ✓ 1200  
 Jars ✓ 250  
 Safety Jt. ✓ 75  
 Circ Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  
 Ext. Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Mileage ✓ 884.25 770  
 Sub Total: 1920  
 Std. By 4.25 425  
 Acc. Chg: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Total: 2060  
333.33



## GAS VOLUME REPORT

Woobey

**OPERATOR**

Michel C #1

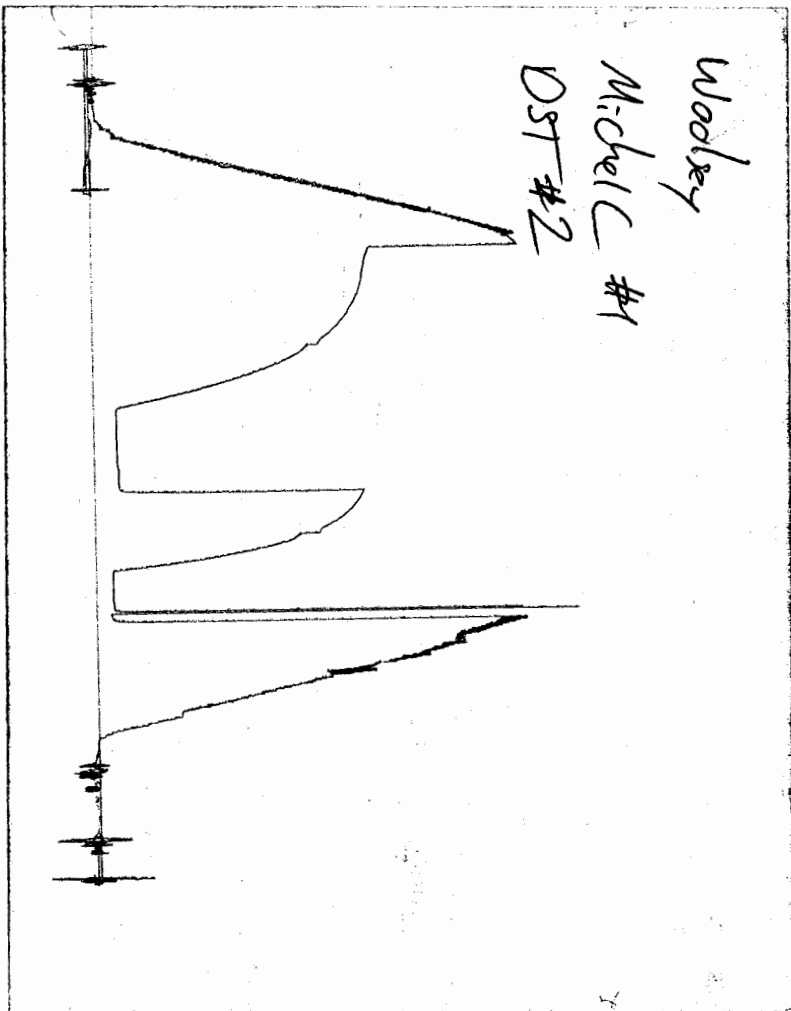
WELL NAME AND NO.

2  
DST NC

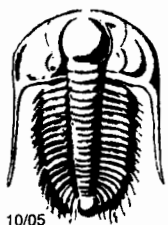
Remarks:

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.







# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26197

## Test Ticket

|                                                                               |                                      |                            |
|-------------------------------------------------------------------------------|--------------------------------------|----------------------------|
| Well Name & No. <u>Michel C #1</u>                                            | Test No. <u>3</u>                    | Date <u>10-12-06</u>       |
| Company <u>Wadsey</u>                                                         | Zone Tested <u>Mississippian (2)</u> |                            |
| Address <u>125 N. Market St. 1000 Wichita, Ks 67202</u>                       | Elevation <u>1432</u>                | KB <u>1421</u> GL          |
| Co. Rep / Geo. <u>Bill Kalver</u>                                             | Rig <u>Duke 1</u>                    |                            |
| Location: Sec. <u>7</u> Twp. <u>34<sup>s</sup></u> Rge. <u>11<sup>w</sup></u> | Co. <u>Barber</u>                    | State <u>Ks</u>            |
| Comment: _____                                                                |                                      | Release date / time: _____ |

|                                                               |                                    |                                     |
|---------------------------------------------------------------|------------------------------------|-------------------------------------|
| Interval Tested <u>4639-4667</u>                              | Initial Str Wt./Lbs. <u>52,000</u> | Unseated Str Wt/Lbs. <u>56,000</u>  |
| Anchor Length <u>28</u>                                       | Wt. Set Lbs. <u>25,000</u>         | Wt. Pulled Loose/Lbs. <u>60,000</u> |
| Top Packer Depth <u>4634</u>                                  | Tool Weight <u>2500</u>            |                                     |
| Bottom Packer Depth <u>4639</u>                               | Hole Size 7 7/8" <u>-</u>          | Rubber Size 6 3/4" <u>-</u>         |
| Total Depth <u>4667</u>                                       | Wt. Pipe Run <u>-</u>              | Drill Collar Run <u>31</u>          |
| Mud Wt. <u>9.1</u> LCM <u>-</u> Vis. <u>45</u> WL <u>11.8</u> | Drill Pipe Size <u>4 1/2 x H</u>   | Ft. Run <u>4614</u>                 |

Blow Description IFP- BOB open GTS 5 min

ISI- 3" blow back

FFP- BOB open

FSI- BOB blow back

|                                  |                                    |                                |                      |
|----------------------------------|------------------------------------|--------------------------------|----------------------|
| Recovery - Total Feet <u>465</u> | GIP <u>GTS 5min</u>                | Ft. in DC <u>31</u>            | Ft. in DP <u>434</u> |
| Rec. <u>465</u>                  | Feet of <u>G Free oil</u>          | 20 %gas <u>75</u> %oil         | %water <u>5</u> %mud |
| Rec. _____                       | Feet of _____                      | %gas _____ %oil                | %water _____ %mud    |
| Rec. _____                       | Feet of _____                      | %gas _____ %oil                | %water _____ %mud    |
| Rec. _____                       | Feet of _____                      | %gas _____ %oil                | %water _____ %mud    |
| Rec. _____                       | Feet of _____                      | %gas _____ %oil                | %water _____ %mud    |
| BHT _____ °F Gravity <u>14</u>   | *API D @ <u>70</u>                 | *F Corrected Gravity <u>13</u> | *API _____           |
| RW _____ @ _____ °F              | Chlorides _____ ppm Recovery _____ | Chlorides <u>6000</u>          | ppm System           |

|                                  |                      |                           |                           |                                                         |
|----------------------------------|----------------------|---------------------------|---------------------------|---------------------------------------------------------|
| (A) Initial Hydrostatic Mud      | AK-1 <u>2254</u> PSI | Alpine                    | Recorder No. <u>6769</u>  | Test <input checked="" type="checkbox"/> <u>1200</u>    |
| (B) First Initial Flow Pressure  | <u>127</u> PSI       |                           | (depth) <u>4644</u>       | Jars <input checked="" type="checkbox"/> <u>250</u>     |
| (C) First Final Flow Pressure    | <u>155</u> PSI       |                           | Recorder No. <u>13548</u> | Safety Jt <input checked="" type="checkbox"/> <u>75</u> |
| (D) Initial Shut-In Pressure     | <u>1395</u> PSI      |                           | (depth) <u>4664</u>       | Circ Sub _____                                          |
| (E) Second Initial Flow Pressure | <u>148</u> PSI       |                           | Recorder No. _____        | Sampler _____                                           |
| (F) Second Final Flow Pressure   | <u>227</u> PSI       |                           | (depth) _____             | Straddle _____                                          |
| (G) Final Shut-In Pressure       | <u>1395</u> PSI      | Initial Opening <u>30</u> | Initial Shut-In <u>60</u> | Ext. Packer _____                                       |
| (Q) Final Hydrostatic Mud        | <u>2212</u> PSI      | Final Flow <u>60</u>      | Final Shut-In <u>120</u>  | Shale Packer _____                                      |

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Approved By Bill Kalver

Our Representative Brian Fairbank (Phob)

|                                                |                       |                    |                      |                   |
|------------------------------------------------|-----------------------|--------------------|----------------------|-------------------|
| T-On Location <u>0521</u>                      | T-Started <u>0704</u> | T-Open <u>0927</u> | T-Pulled <u>1357</u> | T-Out <u>1653</u> |
| Mileage <u>88</u> <del>141.25</del> <u>710</u> |                       |                    |                      |                   |
| Sub Total: <u>141.25</u> <del>141.25</del>     |                       |                    |                      |                   |
| Std. By <u>2.5</u> <u>250</u>                  |                       |                    |                      |                   |
| Acc. Chg: _____                                |                       |                    |                      |                   |
| Other: _____                                   |                       |                    |                      |                   |
| Total: <u>\$1885</u>                           |                       |                    |                      |                   |

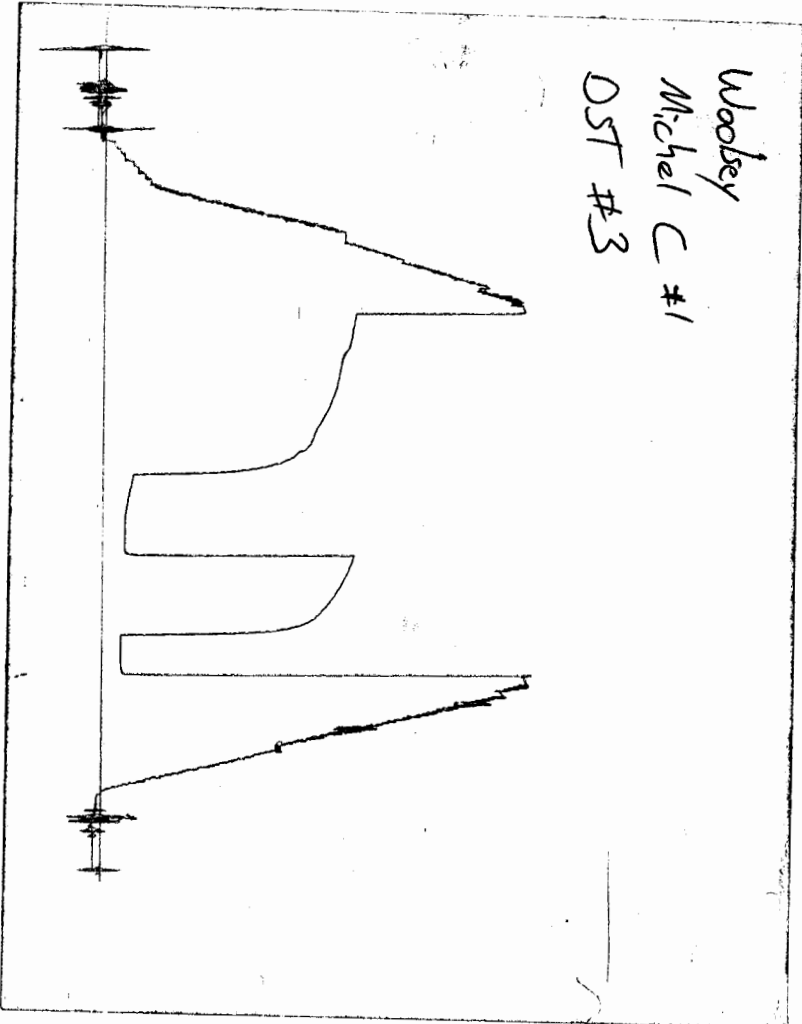
# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

Wooley

Michel C #1

DST #3





## GAS VOLUME REPORT

Woolsey

**OPERATOR**

Michel C #1

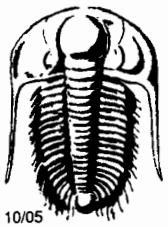
WELL NAME AND NO.

3

DST NO.

[illegible]

Remarks:



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26198

## Test Ticket

|                                                                               |                                    |                            |
|-------------------------------------------------------------------------------|------------------------------------|----------------------------|
| Well Name & No. <u>Michel C #1</u>                                            | Test No. <u>4</u>                  | Date <u>10-13-06</u>       |
| Company <u>Wolsey</u>                                                         | Zone Tested <u>Mississippi (3)</u> |                            |
| Address <u>125 N. Market St. 1000 Wichita, Ks 67202</u>                       | Elevation <u>1432</u>              | KB <u>1421</u> GL          |
| Co. Rep / Geo. <u>Bill Kolver</u>                                             | Rig <u>Drake</u>                   |                            |
| Location: Sec. <u>7</u> Twp. <u>34<sup>s</sup></u> Rge. <u>11<sup>w</sup></u> | Co. <u>Barber</u>                  | State <u>K</u>             |
| Comment: _____                                                                |                                    | Release date / time: _____ |

|                                                               |                                    |                                     |
|---------------------------------------------------------------|------------------------------------|-------------------------------------|
| Interval Tested <u>4684-4728</u>                              | Initial Str Wt./Lbs. <u>54,000</u> | Unseated Str Wt./Lbs. <u>54,000</u> |
| Anchor Length <u>44</u>                                       | Wt. Set Lbs. <u>25,000</u>         | Wt. Pulled Loose/Lbs. <u>80,000</u> |
| Top Packer Depth <u>4679</u>                                  | Tool Weight <u>2500</u>            |                                     |
| Bottom Packer Depth <u>4684</u>                               | Hole Size 7 7/8" <u>—</u>          | Rubber Size 6 3/4" <u>—</u>         |
| Total Depth <u>4728</u>                                       | Wt. Pipe Run <u>—</u>              | Drill Collar Run <u>31</u>          |
| Mud Wt. <u>9.2</u> LCM <u>—</u> Vis. <u>44</u> WL <u>12.0</u> | Drill Pipe Size <u>4 1/2 X 4</u>   | Ft. Run <u>4646</u>                 |
| Blow Description <u>IFP- weak blow throughout 1/2</u>         |                                    |                                     |

ISI- no blow back

FFP- no blow

FSD- no blow back

|                                 |                       |                       |                                              |
|---------------------------------|-----------------------|-----------------------|----------------------------------------------|
| Recovery - Total Feet <u>30</u> | GIP <u>—</u>          | Ft. in DC <u>30</u>   | Ft. in DP <u>—</u>                           |
| Rec. <u>30</u>                  | Feet of <u>USOCM</u>  | %gas <u>1</u>         | %oil <u>—</u> %water <u>99</u> %mud <u>—</u> |
| Rec. <u>—</u>                   | Feet of <u>—</u>      | %gas <u>—</u>         | %oil <u>—</u> %water <u>—</u> %mud <u>—</u>  |
| Rec. <u>—</u>                   | Feet of <u>—</u>      | %gas <u>—</u>         | %oil <u>—</u> %water <u>—</u> %mud <u>—</u>  |
| Rec. <u>—</u>                   | Feet of <u>—</u>      | %gas <u>—</u>         | %oil <u>—</u> %water <u>—</u> %mud <u>—</u>  |
| Rec. <u>—</u>                   | Feet of <u>—</u>      | %gas <u>—</u>         | %oil <u>—</u> %water <u>—</u> %mud <u>—</u>  |
| BHT <u>119</u>                  | °F Gravity <u>—</u>   | °API D @ <u>—</u>     | °F Corrected Gravity <u>—</u> °API <u>—</u>  |
| RW <u>—</u> @ <u>—</u>          | °F Chlorides <u>—</u> | ppm Recovery <u>—</u> | Chlorides <u>7000</u> ppm System <u>—</u>    |

|                                  |                      |                        |                           |                               |
|----------------------------------|----------------------|------------------------|---------------------------|-------------------------------|
| (A) Initial Hydrostatic Mud      | AK-1 <u>2263</u> PSI | Alpine <u>2263</u> PSI | Recorder No. <u>6769</u>  | Test <u>✓</u> <u>1200</u>     |
| (B) First Initial Flow Pressure  | <u>86</u> PSI        | <u>86</u> PSI          | (depth) <u>4688</u>       | Jars <u>✓</u> <u>250</u>      |
| (C) First Final Flow Pressure    | <u>73</u> PSI        | <u>73</u> PSI          | Recorder No. <u>13548</u> | Safety Jt. <u>✓</u> <u>75</u> |
| (D) Initial Shut-In Pressure     | <u>663</u> PSI       | <u>663</u> PSI         | (depth) <u>4725</u>       | Circ Sub <u>—</u>             |
| (E) Second Initial Flow Pressure | <u>73</u> PSI        | <u>73</u> PSI          | Recorder No. <u>—</u>     | Sampler <u>—</u>              |
| (F) Second Final Flow Pressure   | <u>71</u> PSI        | <u>71</u> PSI          | (depth) <u>—</u>          | Straddle <u>—</u>             |
| (G) Final Shut-In Pressure       | <u>386</u> PSI       | <u>386</u> PSI         | Initial Opening <u>30</u> | Ext. Packer <u>—</u>          |
| (Q) Final Hydrostatic Mud        | <u>2209</u> PSI      | <u>2209</u> PSI        | Initial Shut-In <u>60</u> | Shale Packer <u>—</u>         |

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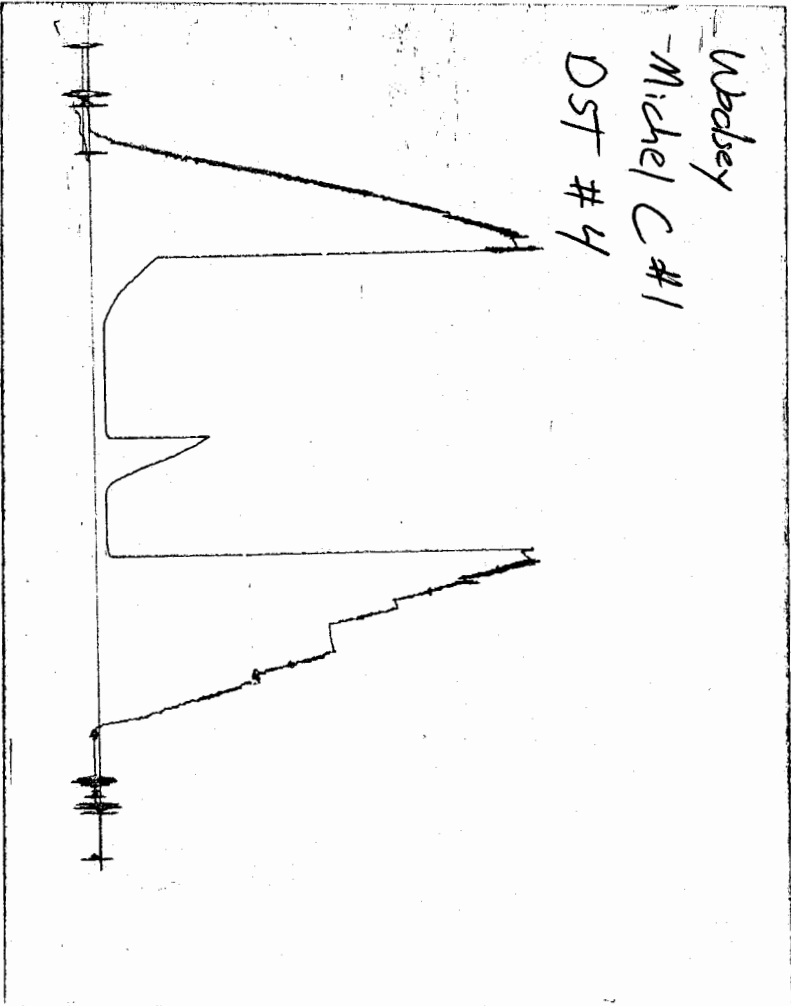
Approved By Bill Wherry

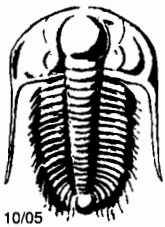
Our Representative Brian Fairbank (Frank)

|               |                          |  |
|---------------|--------------------------|--|
| Final Flow    | <u>45</u>                |  |
| Final Shut-In | <u>90</u>                |  |
| T-On Location | <u>0303</u>              |  |
| T-Started     | <u>0435</u>              |  |
| T-Open        | <u>0813</u>              |  |
| T-Pulled      | <u>1243</u> <u>1158</u>  |  |
| T-Out         | <u>1402</u>              |  |
| Mileage       | <u>88.25</u> <u>1100</u> |  |
| Sub Total:    | <u>1924.85</u>           |  |
| Std. By       | <u>24</u> <u>200</u>     |  |
| Acc. Chg:     | <u>—</u>                 |  |
| Other:        | <u>—</u>                 |  |
| Total:        | <u>1835</u>              |  |

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25786

9402 ✓

## Test Ticket

|                                                            |                                     |                      |
|------------------------------------------------------------|-------------------------------------|----------------------|
| Well Name & No. <u>Michel "C" #1</u>                       | Test No. <u>#5</u>                  | Date <u>10-13-06</u> |
| Company <u>Woodrey Operating Company LLC</u>               | Zone Tested <u>Miss.</u>            |                      |
| Address <u>125 W. Market, Suite 1000, Wichita KS 67202</u> | Elevation <u>1425'</u>              | KB <u>1425'</u> GL   |
| Co. Rep / Geo. <u>Bill Klauer</u>                          | Rig <u>Duke Pig #1</u>              |                      |
| Location: Sec. <u>7</u> Twp. <u>34s</u> Rge. <u>11w</u>    | Co. <u>Barber</u>                   | State <u>KS</u>      |
| Comment: _____                                             | Release date / time <u>09:00 AM</u> |                      |

|                                                             |                                    |                                     |
|-------------------------------------------------------------|------------------------------------|-------------------------------------|
| Interval Tested <u>4728' - 4758'</u>                        | Initial Str Wt./Lbs. <u>56,000</u> | Unseated Str Wt./Lbs. <u>56,000</u> |
| Anchor Length <u>30'</u>                                    | Wt. Set Lbs. <u>20,000</u>         | Wt. Pulled Loose/Lbs. <u>82,000</u> |
| Top Packer Depth <u>4723'</u>                               | Tool Weight <u>2100 lbs</u>        |                                     |
| Bottom Packer Depth <u>4728'</u>                            | Hole Size <u>7 7/8"</u> ✓          | Rubber Size <u>6 3/4"</u> ✓         |
| Total Depth <u>4758'</u>                                    | Wt. Pipe Run <u>None</u>           | Drill Collar Run <u>62'</u>         |
| Mud Wt. <u>9.0</u> LCM <u>6</u> Vis. <u>47</u> WL <u>12</u> | Drill Pipe Size <u>4 1/2 XH</u>    | Ft. Run <u>4647' 4028'</u>          |

Blow Description IF: No blow.  
ISI: No blow back.  
FF: No blow back. Flushed tool, no blow.  
FSI: No blow back.

|                                 |                  |                       |                            |
|---------------------------------|------------------|-----------------------|----------------------------|
| Recovery - Total Feet <u>10</u> | GIP <u>—</u>     | Ft. in DC <u>10</u>   | Ft. in DP <u>0</u>         |
| Rec. <u>10</u>                  | Feet of _____    | %gas _____            | %oil _____                 |
| Rec. _____                      | Feet of _____    | %gas _____            | %oil _____                 |
| Rec. _____                      | Feet of _____    | %gas _____            | %oil _____                 |
| Rec. _____                      | Feet of _____    | %gas _____            | %oil _____                 |
| Rec. _____                      | Feet of _____    | %gas _____            | %oil _____                 |
| BHT _____                       | *F Gravity _____ | *API D @ _____        | *F Corrected Gravity _____ |
| RW _____                        | @ _____          | *F Chlorides _____    | ppm Recovery _____         |
|                                 |                  | Chlorides <u>6000</u> | ppm System                 |

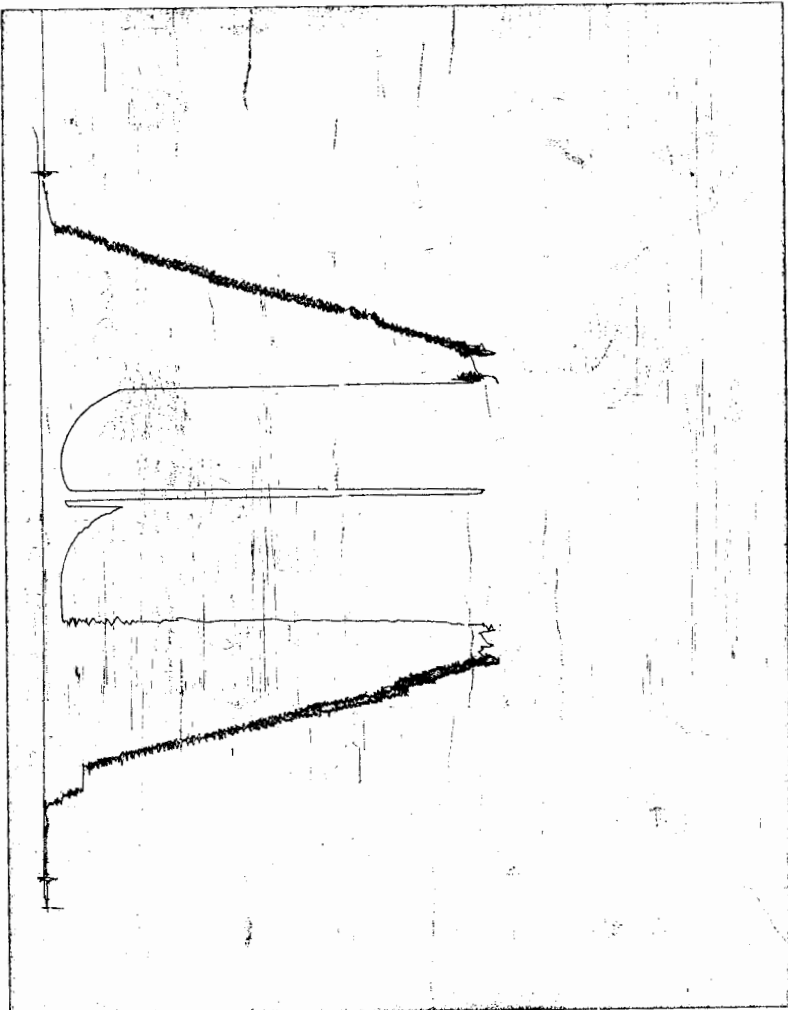
|                                                  |                                |                                |
|--------------------------------------------------|--------------------------------|--------------------------------|
| (A) Initial Hydrostatic Mud <u>2319</u> PSI      | Recorder No. <u>6668</u>       | Test <u>✓</u> <u>1200</u>      |
| (B) First Initial Flow Pressure <u>3534</u> PSI  | (depth) <u>4728'</u>           | Jars <u>✓</u> <u>250</u>       |
| (C) First Final Flow Pressure <u>4135</u> PSI    | Recorder No. <u>13266</u>      | Safety Jt. <u>✓</u> <u>75</u>  |
| (D) Initial Shut-In Pressure <u>4124</u> PSI     | (depth) <u>4755'</u>           | Circ Sub <u>0</u>              |
| (E) Second Initial Flow Pressure <u>4134</u> PSI | Recorder No. <u>—</u>          | Sampler _____                  |
| (F) Second Final Flow Pressure <u>47</u> PSI     | (depth) <u>—</u>               | Straddle _____                 |
| (G) Final Shut-In Pressure <u>421</u> PSI        | Initial Opening <u>30 mins</u> | Ext. Packer _____              |
| (Q) Final Hydrostatic Mud <u>2320</u> PSI        | Initial Shut-In <u>60 mins</u> | Shale Packer _____             |
|                                                  | Final Flow <u>30 mins</u>      | Ruined Packer _____            |
|                                                  | Final Shut-In <u>60 mins</u>   | Mileage <u>✓</u> <u>110.00</u> |
|                                                  | T-On Location <u>28:00</u>     | Sub Total: <u>82 miles</u>     |
|                                                  | T-Started <u>02:31</u>         | Std. By <u>34</u> <u>75</u>    |
|                                                  | T-Open <u>01:55</u>            | Acc. Chg: _____                |
|                                                  | T-Pulled <u>05:30</u>          | Other: _____                   |
|                                                  | T-Out <u>07:40</u>             | Total: <u>\$1710</u>           |

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Approved By Bill Klauer  
 Our Representative Tracy Cushman

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.



Woolsey  
Michael C #1  
#5