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34-32s-31w

KCC

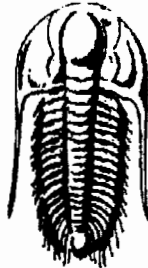
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FEB 23 2004

KCC WICHITA



TRILOBITE  
TESTING, INC.

## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P.O. Box 399  
Garden City, KS 67846

ATTN: Al Downing

W12 NW SE  
15-175-21915

**34-32-31 Seward**

**Singly #7**

Start Date: 2004.01.17 @ 02:47:40

End Date: 2004.01.17 @ 14:12:25

Job Ticket #: 18009

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2004.01.26 @ 14:56:40 Page 1

American Warrior Inc

Singly #7

34-32-31 Seward

DST # 1

Chester Sand

2004.01.17

34-32s-31w

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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc  
P.O. Box 399  
Garden City, KS 67846  
ATTN: Al Downing

**KCC**  
**FEB 20 2004**

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**Singly #7**  
**34-32-31 Seward**  
Job Ticket: 18009 **DST#: 1**  
Test Start: 2004.01.17 @ 02:47:40

## GENERAL INFORMATION:

Formation: **Chester Sand**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 07:51:40  
Time Test Ended: 14:12:25  
Interval: **5680.00 ft (KB) To 5730.00 ft (KB) (TVD)**  
Total Depth: **5730.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**

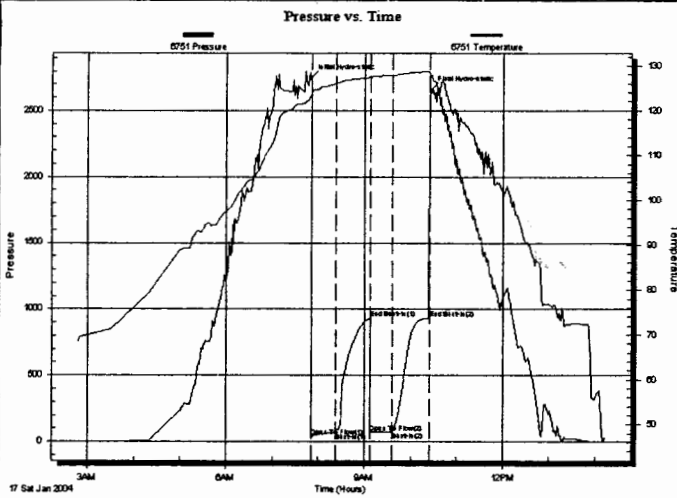
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Test Type: **Conventional Bottom Hole**  
Tester: **Nathan**  
Unit No: **16**  
Reference Elevations: **2782.00 ft (KB)**  
**2771.00 ft (CF)**  
KB to GR/CF: **11.00 ft**

**Serial #: 6751** **Inside**  
Press@RunDepth: **72.67 psig @ 5714.00 ft (KB)**  
Start Date: **2004.01.17** End Date: **2004.01.17**  
Start Time: **02:47:50** End Time: **14:12:24**

Capacity: **7000.00 psig**  
Last Calib.: **1899.12.30**  
Time On Btm: **2004.01.17 @ 07:49:55**  
Time Off Btm: **2004.01.17 @ 10:26:10**

TEST COMMENT: IF- Weak blow building to 2 1/2 inches  
IS- No blow  
FF- Weak surface blow dead in 1 minute 30 seconds  
FS- No blow



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2742.70         | 123.30       | Initial Hydro-static |
| 2           | 39.66           | 123.71       | Open To Flow (1)     |
| 33          | 65.86           | 125.94       | Shut-In (1)          |
| 78          | 928.01          | 127.36       | End Shut-In (1)      |
| 78          | 69.35           | 127.09       | Open To Flow (2)     |
| 107         | 72.67           | 127.92       | Shut-In (2)          |
| 155         | 930.34          | 128.74       | End Shut-In (2)      |
| 157         | 2657.79         | 127.82       | Final Hydro-static   |

## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 40.00       | Mud 100% mud | 0.20         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

## Gas Rates

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

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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Singly #7

 P.O. Box 399  
 Garden City, KS 67846

**KCC**  
**FEB 23 2004**

34-32-31 Seward

Job Ticket: 18009

DST#: 1

ATTN: Al Downing

Test Start: 2004.01.17 @ 02:47:40

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## Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 5098.00 ft | Diameter: 3.80 inches   | Volume: 71.51 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: 22000.00 lb  |
| Drill Collar:             | Length: 563.00 ft  | Diameter: 2.25 inches   | Volume: 2.77 bbl  | Weight to Pull Loose: 110000.0 lb  |
|                           |                    | Total Volume: 74.28 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 8.00 ft            |                         |                   | String Weight: Initial 104000.0 lb |
| Depth to Top Packer:      | 5680.00 ft         |                         |                   | Final 104000.0 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 50.00 ft           |                         |                   |                                    |
| Tool Length:              | 77.00 ft           |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |
| Tool Comments:            |                    |                         |                   |                                    |

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 5654.00    |                               |
| Shut In Tool     | 5.00        |            |          | 5659.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 5664.00    |                               |
| Jars             | 5.00        |            |          | 5669.00    |                               |
| Safety Joint     | 2.00        |            |          | 5671.00    |                               |
| Packer           | 4.00        |            |          | 5675.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 5680.00    |                               |
| Stubb            | 1.00        |            |          | 5681.00    |                               |
| Change Over Sub  | 1.00        |            |          | 5682.00    |                               |
| Blank Spacing    | 31.00       |            |          | 5713.00    |                               |
| Change Over Sub  | 1.00        |            |          | 5714.00    |                               |
| Recorder         | 0.00        | 6751       | Inside   | 5714.00    |                               |
| Perforations     | 13.00       |            |          | 5727.00    |                               |
| Recorder         | 0.00        | 13630      | Outside  | 5727.00    |                               |
| Bullnose         | 3.00        |            |          | 5730.00    | 50.00 Bottom Packers & Anchor |

**Total Tool Length: 77.00**



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

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc

P.O. Box 399  
Garden City, KS 67846

ATTN: Al Downing

**Singly #7**

**34-32-31 Seward**

Job Ticket: 18009      **DST#: 1**

Test Start: 2004.01.17 @ 02:47:40

**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: 14000 ppm |
| Viscosity: 49.00 sec/qt          | Cushion Volume:       | bbl      |                           |
| Water Loss: 7.18 in <sup>3</sup> | Gas Cushion Type:     |          |                           |
| Resistivity: 0.00 ohm.m          | Gas Cushion Pressure: | psig     |                           |
| Salinity: 2500.00 ppm            |                       |          |                           |
| Filter Cake: 0.02 inches         |                       |          |                           |

**Recovery Information**

Recovery Table

| Length<br>ft | Description  | Volume<br>bbl |
|--------------|--------------|---------------|
| 40.00        | Mud 100% mud | 0.197         |

Total Length: 40.00 ft

Num Fluid Samples: 0

Laboratory Name:

Recovery Comments:

Total Volume: 0.197 bbl

Num Gas Bombs: 0

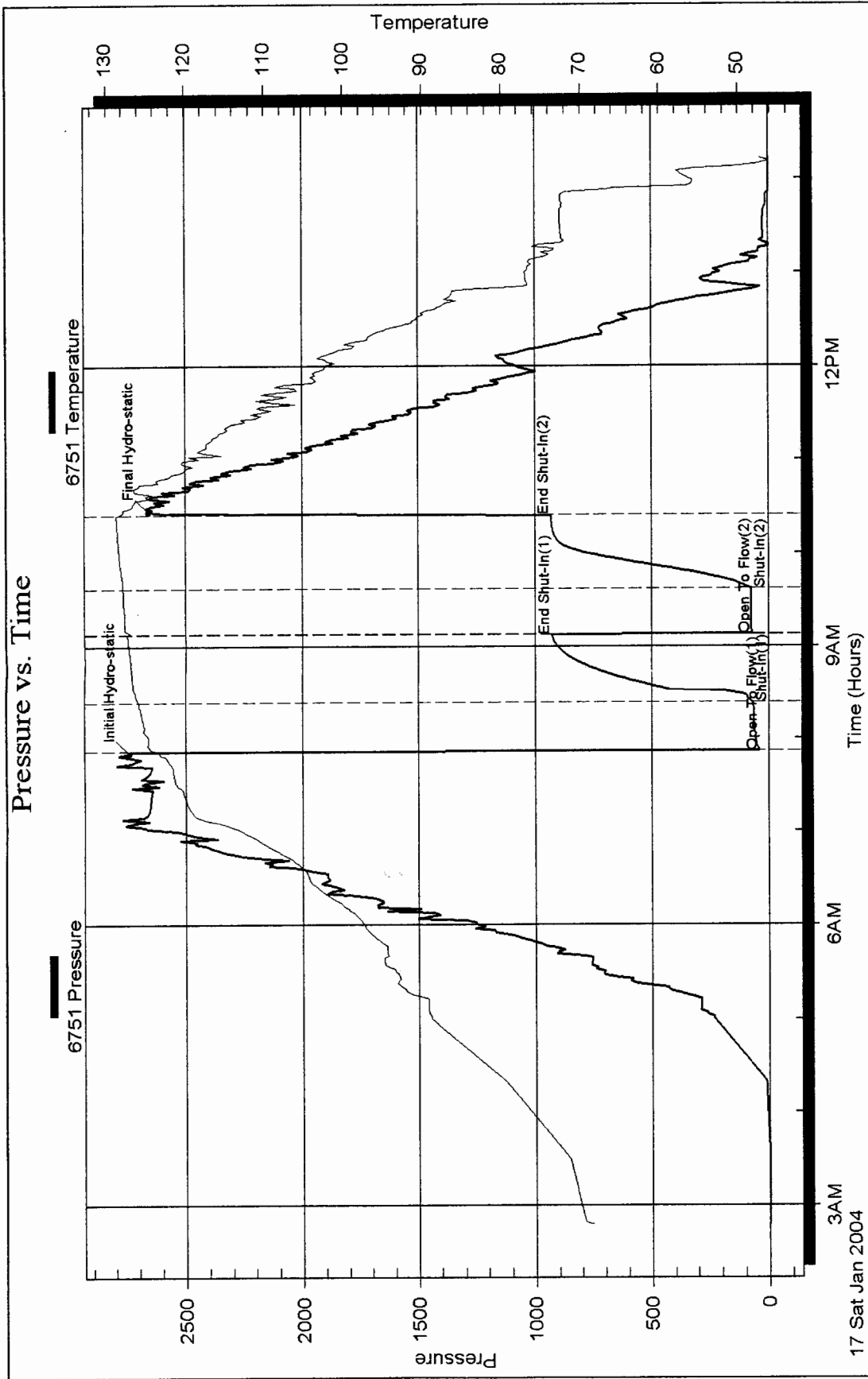
Laboratory Location:

Serial #:

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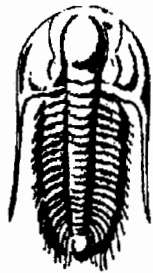
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KCC WICHITA



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

## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P.O. Box 399  
Garden City, KS 67846

ATTN: Al Downing

**34-32-31 Seward**

**Singly #7**

Start Date: 2004.01.19 @ 07:40:48

End Date: 2004.01.19 @ 17:35:18

Job Ticket #: 18054      DST #: 2

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior Inc

P.O. Box 399  
Garden City, KS 67846

ATTN: Al Downing

**Singly #7**

**34-32-31 Seward**

Job Ticket: 18054

**DST#: 2**

Test Start: 2004.01.19 @ 07:40:48

### GENERAL INFORMATION:

Formation: **St Louis "C"**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 10:47:33  
Time Test Ended: 17:35:18

Test Type: **Conventional Bottom Hole**  
Tester: **Rod Steinbrink**  
Unit No: **22**

Interval: **5917.00 ft (KB) To 5946.00 ft (KB) (TVD)**  
Total Depth: **6110.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2782.00 ft (KB)**  
**2771.00 ft (CF)**  
KB to GR/CF: **11.00 ft**

**Serial #: 6799**

**Inside**

Press@RunDepth: **173.04 psig @ 5918.00 ft (KB)**

Start Date: **2004.01.19**

End Date:

**2004.01.19**

Start Time: **07:40:58**

End Time:

**17:35:17**

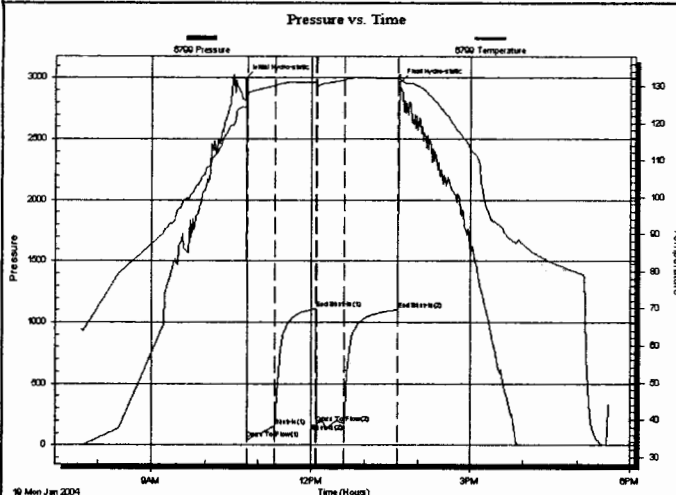
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2004.01.19 @ 10:45:48**

Time Off Btm: **2004.01.19 @ 13:38:33**

TEST COMMENT: IF; Fair to strong off btm in 2 mins  
IS; Fair return off btm in 22 mins  
FF; Strong blow off btm in 5 mins  
FS; Fair return off btm in 20 mins



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2992.90         | 124.41       | Initial Hydro-static |
| 2           | 51.59           | 125.69       | Open To Flow (1)     |
| 34          | 152.60          | 130.12       | Shut-In (1)          |
| 80          | 1112.10         | 131.00       | End Shut-In (1)      |
| 81          | 172.98          | 129.72       | Open To Flow (2)     |
| 112         | 173.04          | 131.56       | Shut-In (2)          |
| 172         | 1103.45         | 132.18       | End Shut-In (2)      |
| 173         | 2960.70         | 133.07       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                        | Volume (bbl) |
|-------------|------------------------------------|--------------|
| 300.00      | Frothy MCO 60% gas 40% oil 20% mud | 1.48         |
| 275.00      | CGO 20% gas 80% oil                | 1.46         |
| 0.00        | 1660 GIP                           | 0.00         |
|             |                                    |              |
|             |                                    |              |
|             |                                    |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Singly #7

P.O. Box 399  
Garden City, KS 67846

34-32-31 Seward

Job Ticket: 18054

DST#: 2

ATTN: Al Downing

Test Start: 2004.01.19 @ 07:40:48

### Tool Information

|                           |                    |                       |                   |                                    |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 5358.00 ft | Diameter: 3.80 inches | Volume: 75.16 bbl | Tool Weight: 3500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight set on Packer: 30000.00 lb  |
| Drill Collar:             | Length: 563.00 ft  | Diameter: 2.25 inches | Volume: 2.77 bbl  | Weight to Pull Loose: 110000.0 lb  |
|                           |                    | Total Volume:         | 77.93 bbl         | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 31.00 ft           |                       |                   | String Weight: Initial 110000.0 lb |
| Depth to Top Packer:      | 5917.00 ft         |                       |                   | Final 120000.0 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                   |                                    |
| Interval between Packers: | 193.00 ft          |                       |                   |                                    |
| Tool Length:              | 220.00 ft          |                       |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                   |                                    |
| Tool Comments:            |                    |                       |                   |                                    |

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                     |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub  | 1.00        |            |          | 5891.00    |                                    |
| Shut In Tool     | 5.00        |            |          | 5896.00    |                                    |
| Hydraulic tool   | 5.00        |            |          | 5901.00    |                                    |
| Jars             | 5.00        |            |          | 5906.00    |                                    |
| Safety Joint     | 2.00        |            |          | 5908.00    |                                    |
| Packer           | 4.00        |            |          | 5912.00    | 27.00 Bottom Of Top Packer         |
| Packer           | 5.00        |            |          | 5917.00    |                                    |
| Stubb            | 1.00        |            |          | 5918.00    |                                    |
| Recorder         | 0.00        | 6799       | Inside   | 5918.00    |                                    |
| Recorder         | 0.00        | 6773       | Inside   | 5918.00    |                                    |
| Perforations     | 23.00       |            |          | 5941.00    |                                    |
| Blank Off Sub    | 1.00        |            |          | 5942.00    | 193.00 Tool Interval               |
| Packer           | 4.00        |            |          | 5946.00    |                                    |
| Stubb            | 1.00        |            |          | 5947.00    |                                    |
| Change Over Sub  | 1.00        |            |          | 5948.00    |                                    |
| Blank Spacing    | 156.00      |            |          | 6104.00    |                                    |
| Change Over Sub  | 1.00        |            |          | 6105.00    |                                    |
| Recorder         | 0.00        | 13309      | Below    | 6105.00    |                                    |
| Bullnose         | 5.00        |            |          | 6110.00    | 1000219.00 Bottom Packers & Anchor |

**Total Tool Length: 220.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

American Warrior Inc

**Singly #7**

P.O. Box 399  
Garden City, KS 67846

**34-32-31 Seward**

Job Ticket: 18054

**DST#: 2**

ATTN: Al Downing

Test Start: 2004.01.19 @ 07:40:48

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                    | Volume<br>bbl |
|--------------|--------------------------------|---------------|
| 300.00       | FrothyMCO 60%gas 40%oil 20%mud | 1.475         |
| 275.00       | CGO 20%gas 80%oil              | 1.462         |
| 0.00         | 1660 GIP                       | 0.000         |

Total Length: 575.00 ft

Total Volume: 2.937 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

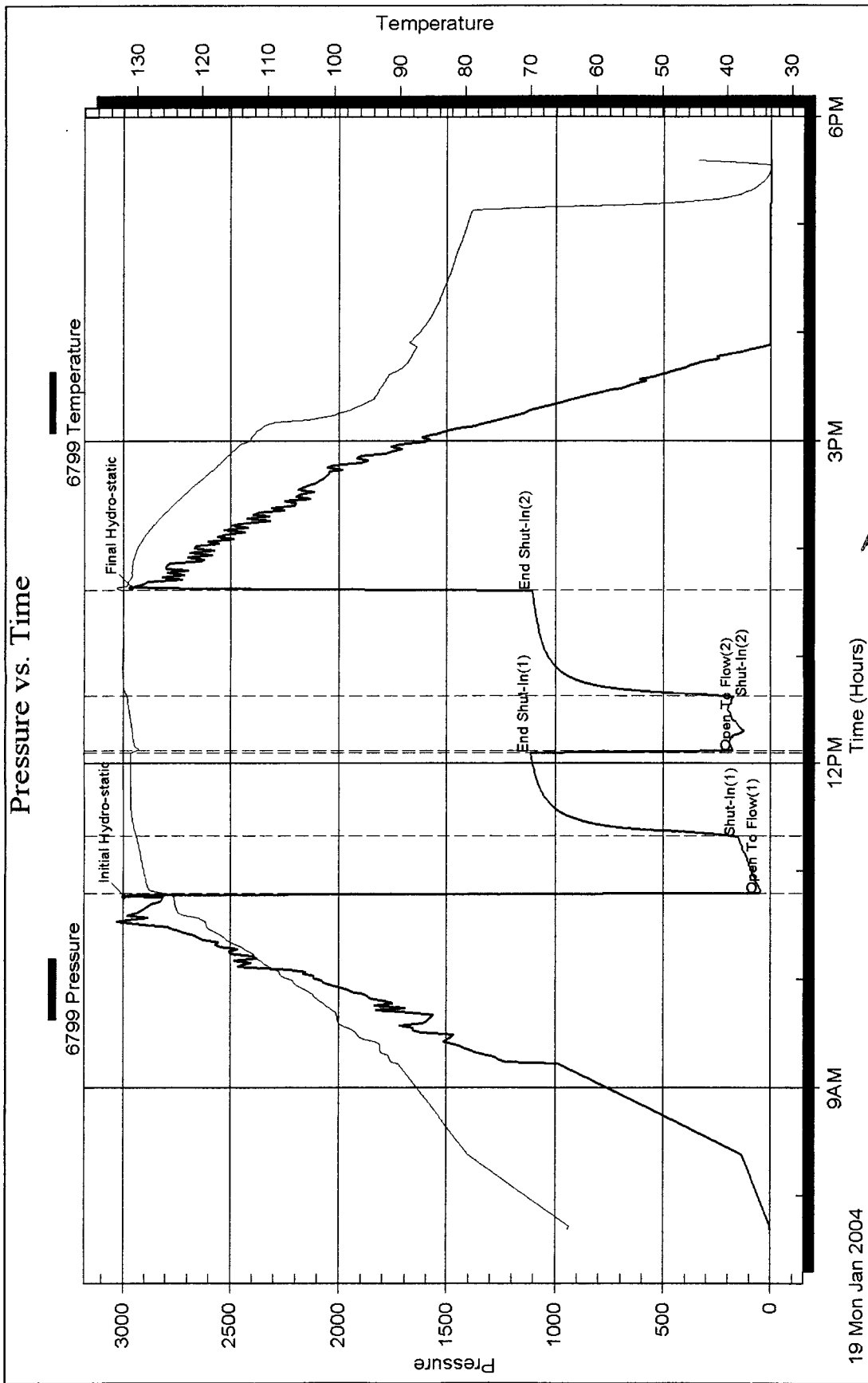
Laboratory Name:

Laboratory Location:

Recovery Comments:

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Pressure vs. Time



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