

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

## DRILL STEM TEST REPORT

Prepared For: **La Veta Oil & Gas LLC**

PO Box 780  
Middleburg VA 20117

ATTN: Bennie C. Giiffin

**30 22 11 Stafford KS**

**Komarek # 25**

Start Date: 2007.05.03 @ 02:45:17

End Date: 2007.05.03 @ 07:57:17

Job Ticket #: 27433 DST #: 1

**15-185-23440-00-00**

**SW SE NE**

**2210 FNL 730 FEL**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

15-185-23440

La Veta Oil & Gas LLC

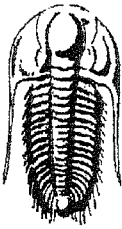
Komarek # 25

30 22 11 Stafford KS

DST # 1

L.Kc.-F

2007.05.03



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

## DRILL STEM TEST REPORT

La Veta Oil & Gas LLC

PO Box 780  
Middleburg VA 20117

ATTN: Bennie C. Giffin

**Komarek # 25**

**30 22 11 Stafford KS**

Job Ticket: 27433

**DST#: 1**

Test Start: 2007.05.03 @ 02:45:17

### GENERAL INFORMATION:

Formation: **L.Kc.-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:17

Time Test Ended: 07:57:17

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3293.00 ft (KB) To 3318.00 ft (KB) (TVD)**

Total Depth: 3318.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1827.00 ft (KB)

1822.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6669**

**Inside**

Press@RunDepth: 12.74 psig @ 3295.00 ft (KB)

Start Date: 2007.05.03

End Date: 2007.05.03

Start Time: 02:45:22

End Time: 07:57:16

Capacity: 7000.00 psig

Last Calib.: 2007.05.03

Time On Btm: 2007.05.03 @ 04:14:47

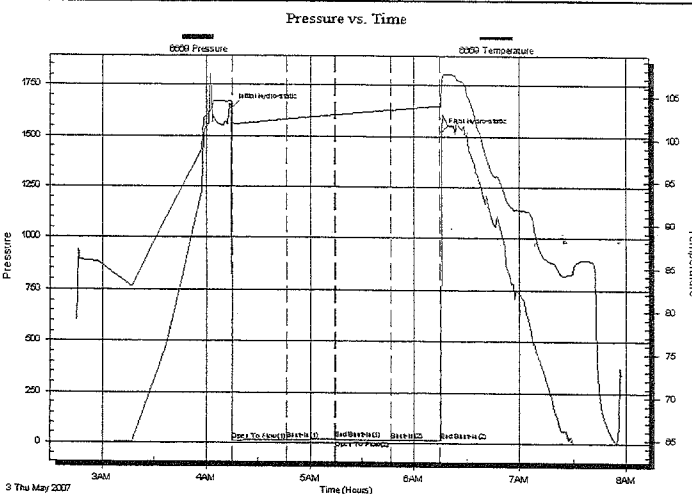
Time Off Btm: 2007.05.03 @ 06:15:47

TEST COMMENT: IF Weak Dead in 10 min.

ISI Dead

FF Dead

FSI Dead



### PRESSURE SUMMARY

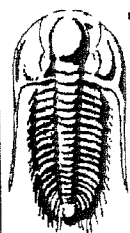
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1636.63         | 104.50       | Initial Hydro-static |
| 1           | 11.63           | 101.87       | Open To Flow (1)     |
| 32          | 12.79           | 102.38       | Shut-In(1)           |
| 60          | 18.97           | 102.89       | End Shut-In(1)       |
| 60          | 12.14           | 102.89       | Open To Flow (2)     |
| 92          | 12.74           | 103.47       | Shut-In(2)           |
| 120         | 15.52           | 103.96       | End Shut-In(2)       |
| 121         | 1525.32         | 106.81       | Final Hydro-static   |

### Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 5.00        | D.Mud few Oil spots | 0.02         |
|             |                     |              |
|             |                     |              |
|             |                     |              |
|             |                     |              |
|             |                     |              |

### Gas Rates

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



**TRILOBITE**  
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## DRILL STEM TEST REPORT

TOOL DIAGRAM

La Veta Oil & Gas LLC

**Komarek # 25**

PO Box 780  
Middleburg VA 20117

**30 22 11 Stafford KS**

Job Ticket: 27433

**DST#: 1**

ATTN: Bennie C. Giffin

Test Start: 2007.05.03 @ 02:45:17

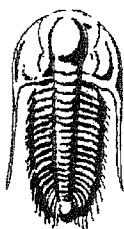
### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3168.00 ft | Diameter: 3.80 inches | Volume: 44.44 bbl | Tool Weight:           | 2200.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 2.70 inches | Volume: 0.00 bbl  | Weight set on Packer:  | 20000.00 lb |
| Drill Collar:             | Length: 122.00 ft  | Diameter: 2.25 inches | Volume: 0.60 bbl  | Weight to Pull Loose:  | 55000.00 lb |
|                           |                    | <b>Total Volume:</b>  | <b>45.04 bbl</b>  | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 17.00 ft           |                       |                   | String Weight: Initial | 46000.00 lb |
| Depth to Top Packer:      | 3293.00 ft         |                       |                   | Final                  | 46000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 25.00 ft           |                       |                   |                        |             |
| Tool Length:              | 45.00 ft           |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |
| Tool Comments:            |                    |                       |                   |                        |             |

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3274.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3279.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3284.00    |                               |
| Packer           | 4.00        |            |          | 3288.00    | 20.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3293.00    |                               |
| Stubb            | 1.00        |            |          | 3294.00    |                               |
| Perforations     | 1.00        |            |          | 3295.00    |                               |
| Recorder         | 0.00        | 6669       | Inside   | 3295.00    |                               |
| Perforations     | 20.00       |            |          | 3315.00    |                               |
| Recorder         | 0.00        | 13308      | Outside  | 3315.00    |                               |
| Bullnose         | 3.00        |            |          | 3318.00    | 25.00 Bottom Packers & Anchor |

**Total Tool Length: 45.00**



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## DRILL STEM TEST REPORT

### FLUID SUMMARY

La Veta Oil & Gas LLC

**Komarek # 25**

PO Box 780  
Middleburg VA 20117

**30 22 11 Stafford KS**

Job Ticket: 27433

**DST#: 1**

ATTN: Bennie C. Giffin

Test Start: 2007.05.03 @ 02:45:17

### 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: 10.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 5.00         | D.Mud few Oil spots | 0.025         |

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

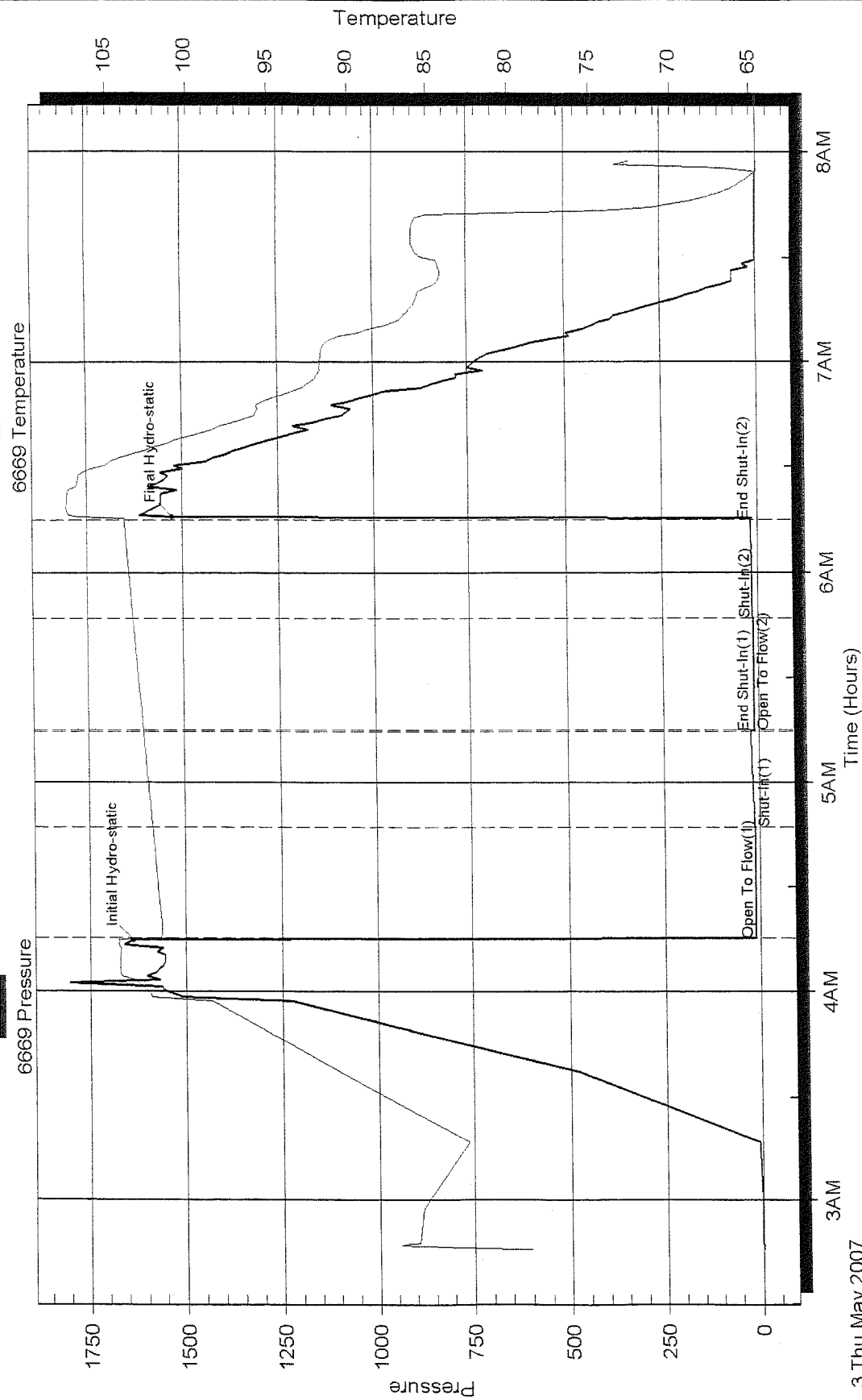
Serial #:

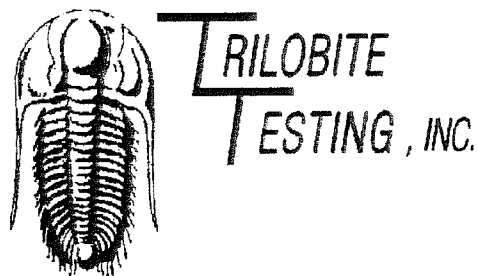
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **La Veta Oil & Gas LLC**

PO Box 780  
Middleburg VA 20117

ATTN: Bennie C. Giffin

**30 22 11 Stafford KS**

**Komarek # 25**

Start Date: 2007.05.03 @ 21:45:42

End Date: 2007.05.04 @ 04:44:42

Job Ticket #: 27444                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

La Veta Oil & Gas LLC

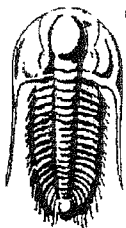
Komarek # 25

30 22 11 Stafford KS

DST # 2

L.Kc.-H,I,J,K

2007.05.03



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

## DRILL STEM TEST REPORT

La Veta Oil & Gas LLC

PO Box 780  
Middleburg VA 20117

ATTN: Bennie C. Giffin

**Komarek # 25**

**30 22 11 Stafford KS**

Job Ticket: 27444

**DST#: 2**

Test Start: 2007.05.03 @ 21:45:42

### GENERAL INFORMATION:

Formation: **L.Kc.-H,I,J,K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:16:42

Time Test Ended: 04:44:42

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3365.00 ft (KB) To 3440.00 ft (KB) (TVD)**

Total Depth: 3318.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1827.00 ft (KB)

1822.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6669** Inside

Press@RunDepth: 93.62 psig @ 3368.00 ft (KB)

Start Date: 2007.05.03

End Date:

2007.05.04

Start Time: 21:45:47

End Time:

04:44:41

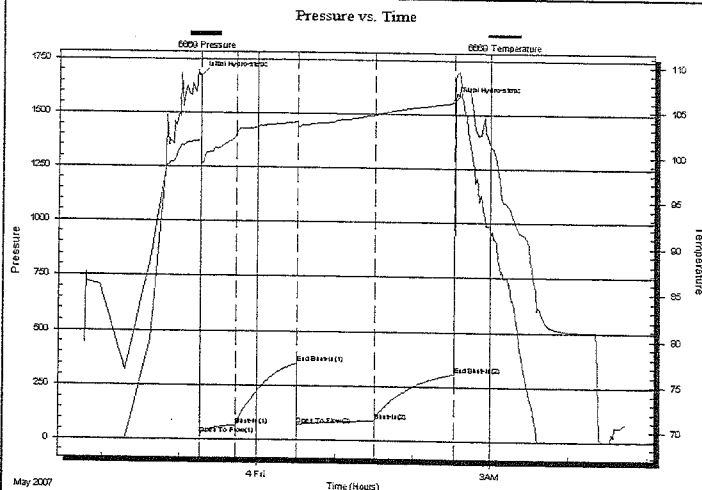
Capacity: 7000.00 psig

Last Calib.: 2007.05.04

Time On Btm: 2007.05.03 @ 23:16:12

Time Off Btm: 2007.05.04 @ 02:32:12

TEST COMMENT: IF Strong BOB 5 min.  
ISI Weak Surface  
FF Strong BOB 6 min.  
FSI Weak Surface



### PRESSURE SUMMARY

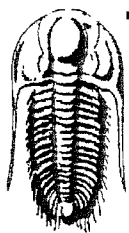
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1675.05         | 101.85       | Initial Hydro-static |
| 1           | 23.71           | 99.15        | Open To Flow (1)     |
| 28          | 67.81           | 102.47       | Shut-In (1)          |
| 74          | 353.79          | 103.76       | End Shut-In (1)      |
| 75          | 69.41           | 103.15       | Open To Flow (2)     |
| 134         | 93.62           | 104.58       | Shut-In (2)          |
| 196         | 307.95          | 106.11       | End Shut-In (2)      |
| 196         | 1569.00         | 108.49       | Final Hydro-static   |

### Recovery

| Length (ft) | Description               | Volume (bbl) |
|-------------|---------------------------|--------------|
| 100.00      | SGOWCM 10%G 4%O 10%W 76%M | 0.49         |
| 85.00       | D.Mud                     | 0.99         |
| 0.00        | 880 Gas in Pipe           | 0.00         |
|             |                           |              |
|             |                           |              |
|             |                           |              |

### Gas Rates

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



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## DRILL STEM TEST REPORT

TOOL DIAGRAM

La Veta Oil & Gas LLC

**Komarek # 25**

PO Box 780  
Middleburg VA 20117

**30 22 11 Stafford KS**

Job Ticket: 27444

**DST#: 2**

ATTN: Bennie C. Giffin

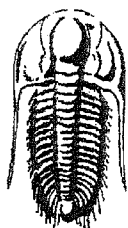
Test Start: 2007.05.03 @ 21:45:42

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3227.00 ft | Diameter: 3.80 inches | Volume: 45.27 bbl | Tool Weight:           | 2200.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 2.70 inches | Volume: 0.00 bbl  | Weight set on Packer:  | 20000.00 lb |
| Drill Collar:             | Length: 122.00 ft  | Diameter: 2.25 inches | Volume: 0.60 bbl  | Weight to Pull Loose:  | 60000.00 lb |
|                           |                    | Total Volume:         | 45.87 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 4.00 ft            |                       |                   | String Weight: Initial | 48000.00 lb |
| Depth to Top Packer:      | 3365.00 ft         |                       |                   | Final                  | 49000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 75.00 ft           |                       |                   |                        |             |
| Tool Length:              | 95.00 ft           |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |

Tool Comments:

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|--------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub    | 1.00        |            |          | 3346.00    |                               |
| Shut In Tool       | 5.00        |            |          | 3351.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 3356.00    |                               |
| Packer             | 4.00        |            |          | 3360.00    | 20.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 3365.00    |                               |
| Stubb              | 1.00        |            |          | 3366.00    |                               |
| Perforations       | 1.00        |            |          | 3367.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3368.00    |                               |
| Recorder           | 0.00        | 6669       | Inside   | 3368.00    |                               |
| Blank Spacing      | 63.00       |            |          | 3431.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3432.00    |                               |
| Perforations       | 5.00        |            |          | 3437.00    |                               |
| Recorder           | 0.00        | 13308      | Outside  | 3437.00    |                               |
| Bullnose           | 3.00        |            |          | 3440.00    | 75.00 Bottom Packers & Anchor |
| Total Tool Length: |             | 95.00      |          |            |                               |



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

La Veta Oil & Gas LLC

**Komarek # 25**

PO Box 780  
Middleburg VA 20117

**30 22 11 Stafford KS**

Job Ticket: 27444

**DST#: 2**

ATTN: Bennie C. Giffin

Test Start: 2007.05.03 @ 21:45:42

### 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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description               | Volume<br>bbl |
|--------------|---------------------------|---------------|
| 100.00       | SGOWCM 10%G 4%O 10%W 76%M | 0.492         |
| 85.00        | D.Mud                     | 0.992         |
| 0.00         | 880 Gas in Pipe           | 0.000         |

Total Length: 185.00 ft

Total Volume: 1.484 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

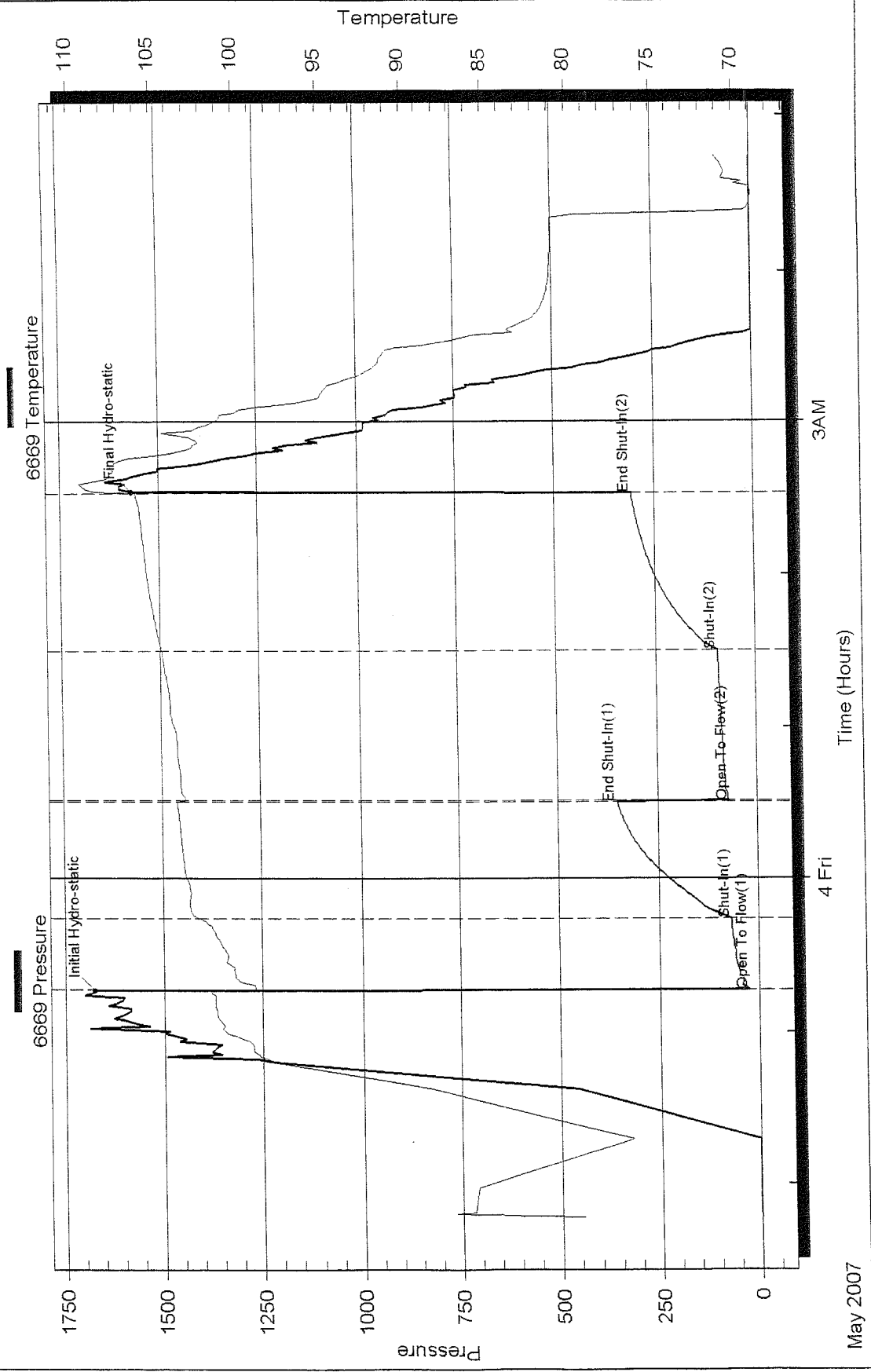
Serial #:

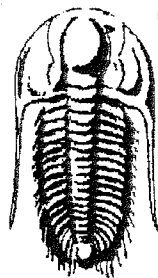
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





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

## DRILL STEM TEST REPORT

Prepared For: **La Veta Oil & Gas LLC**

PO Box 780  
Middleburg VA 20117

ATTN: Bennie C. Giffin

**30 22 11 Stafford KS**

**Komarek # 25**

Start Date: 2007.05.04 @ 15:35:41

End Date: 2007.05.04 @ 22:01:11

Job Ticket #: 27445      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

La Veta Oil & Gas LLC

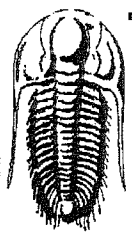
Komarek # 25

30 22 11 Stafford KS

DST # 3

Arbuckle

2007.05.04



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

La Veta Oil & Gas LLC

PO Box 780  
Middleburg VA 20117

ATTN: Bennie C. Giffin

**Komarek # 25**

**30 22 11 Stafford KS**

Job Ticket: 27445

**DST#: 3**

Test Start: 2007.05.04 @ 15:35:41

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:56:41

Time Test Ended: 22:01:11

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3473.00 ft (KB) To 3540.00 ft (KB) (TVD)**

Total Depth: 3318.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1827.00 ft (KB)

1822.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6669**

**Inside**

Press@RunDepth: 164.85 psig @ 3478.00 ft (KB)

Start Date: 2007.05.04

End Date:

2007.05.04

Start Time: 15:35:46

End Time:

22:01:10

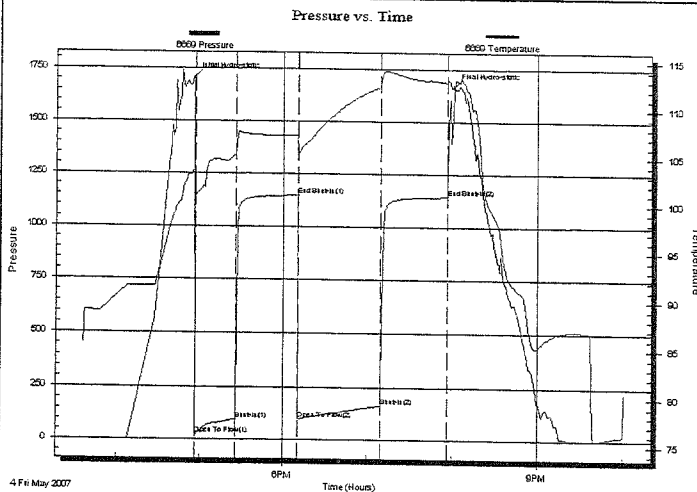
Capacity: 7000.00 psig

Last Calib.: 2007.05.04

Time On Btm: 2007.05.04 @ 16:56:11

Time Off Btm: 2007.05.04 @ 20:01:11

TEST COMMENT: IF Strong BOB 22 min.  
ISI Weak Surface  
FF Strong BOB 20 min.  
FSI Weak Surface



### PRESSURE SUMMARY

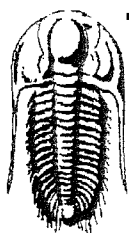
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1705.52         | 103.61       | Initial Hydro-static |
| 1           | 20.62           | 100.93       | Open To Flow (1)     |
| 30          | 96.13           | 105.26       | Shut-In (1)          |
| 74          | 1145.89         | 107.29       | End Shut-In (1)      |
| 75          | 99.55           | 105.26       | Open To Flow (2)     |
| 134         | 164.85          | 112.39       | Shut-In (2)          |
| 180         | 1141.34         | 112.92       | End Shut-In (2)      |
| 185         | 1668.00         | 112.19       | Final Hydro-static   |

### Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 200.00      | S. Water            | 1.69         |
| 110.00      | SOWCM 5%O 40%W 55%M | 1.54         |
| 45.00       | Gassy Oil           | 0.63         |
|             |                     |              |
|             |                     |              |
|             |                     |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

La Veta Oil & Gas LLC

Komarek # 25

PO Box 780  
Middleburg VA 20117

30 22 11 Stafford KS

Job Ticket: 27445

DST#: 3

ATTN: Bennie C. Giffin

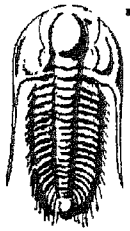
Test Start: 2007.05.04 @ 15:35:41

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3353.00 ft | Diameter: 3.80 inches   | Volume: 47.03 bbl | Tool Weight: 2200.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 2.70 inches   | Volume: 0.00 bbl  | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 122.00 ft  | Diameter: 2.25 inches   | Volume: 0.60 bbl  | Weight to Pull Loose: 65000.00 lb  |
|                           |                    | Total Volume: 47.63 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 22.00 ft           |                         |                   | String Weight: Initial 50000.00 lb |
| Depth to Top Packer:      | 3473.00 ft         |                         |                   | Final 52000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 67.00 ft           |                         |                   |                                    |
| Tool Length:              | 87.00 ft           |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |

Tool Comments:

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|--------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub    | 1.00        |            |          | 3454.00    |                               |
| Shut In Tool       | 5.00        |            |          | 3459.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 3464.00    |                               |
| Packer             | 4.00        |            |          | 3468.00    | 20.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 3473.00    |                               |
| Stubb              | 1.00        |            |          | 3474.00    |                               |
| Perforations       | 3.00        |            |          | 3477.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3478.00    |                               |
| Recorder           | 0.00        | 6669       | Inside   | 3478.00    |                               |
| Blank Spacing      | 31.00       |            |          | 3509.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3510.00    |                               |
| Recorder           | 0.00        | 11084      | Outside  | 3510.00    |                               |
| Perforations       | 27.00       |            |          | 3537.00    |                               |
| Bullnose           | 3.00        |            |          | 3540.00    | 67.00 Bottom Packers & Anchor |
| Total Tool Length: |             | 87.00      |          |            |                               |



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

La Veta Oil & Gas LLC

**Komarek # 25**

PO Box 780  
Middleburg VA 20117

**30 22 11 Stafford KS**

Job Ticket: 27445

**DST#: 3**

ATTN: Bennie C. Giffin

Test Start: 2007.05.04 @ 15:35:41

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 200.00       | S.Water             | 1.694         |
| 110.00       | SOWCM 5%O 40%W 55%M | 1.543         |
| 45.00        | Gassy Oil           | 0.631         |

Total Length: 355.00 ft

Total Volume: 3.868 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

