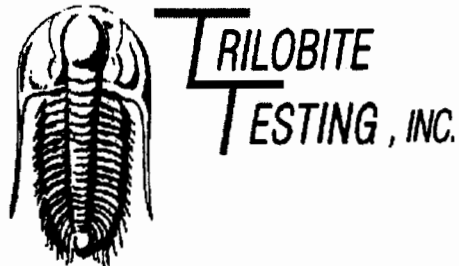


15-039-20942

16-5s-26w



## DRILL STEM TEST REPORT

Prepared For: **Mica Energy Corp.**

P.O. Box 20707  
Oklahoma City, OK 73156

ATTN: Michael E Carr

**16-5s-26w**

**Stephens # 11-16**

Start Date: 2005.10.12 @ 22:34:22

End Date: 2005.10.13 @ 06:15:22

Job Ticket #: 22266      DST #: 1

15-

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Mca Energy Corp.  
P.O.Box 20707  
Oklahoma City, OK 73156  
ATTN: Michael E Carr

**Stephens # 11-16**

**16-5s-26w**

Job Ticket: 22266

DST#: 1

Test Start: 2005.10.12 @ 22:34:22

### GENERAL INFORMATION:

Formation: **L.Kc.-A&B&C**

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

Time Tool Opened: 00:18:52

Time Test Ended: 06:15:22

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3653.00 ft (KB) To 3705.00 ft (KB) (TVD)**

Total Depth: **3705.00 ft (KB) (TVD)**

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

Reference Elevations: **2616.00 ft (KB)**

**2611.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 8018**

**Inside**

Press@RunDepth: **201.79 psig @ 3656.00 ft (KB)**

Start Date: **2005.10.12**

End Date: **2005.10.13**

Capacity: **7000.00 psig**

Last Calib.: **2005.10.13**

Start Time: **22:34:27**

End Time: **06:15:21**

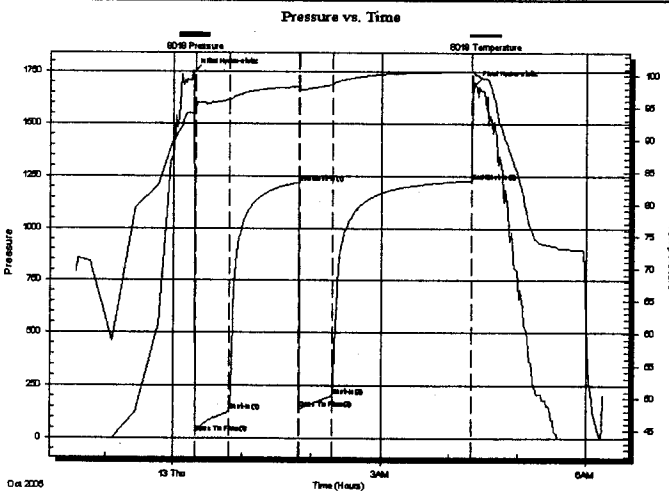
Time On Bttr: **2005.10.13 @ 00:17:22**

Time Off Bttr: **2005.10.13 @ 04:22:22**

TEST COMMENT: **F-Strong B.O.B.25 min.**  
**FF-Strong B.O.B.27 min.**

**ISI-Surface blow back built to 2" in.**

**FSI-Surface blow back built to 2 & 1/2" in.**



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1744.80         | 94.22        | Initial Hydro-static |
| 2           | 23.01           | 94.84        | Open To Flow (1)     |
| 31          | 126.21          | 96.19        | Shut-In(1)           |
| 92          | 1218.84         | 98.28        | End Shut-In(1)       |
| 93          | 139.59          | 97.88        | Open To Flow (2)     |
| 121         | 201.79          | 98.60        | Shut-In(2)           |
| 242         | 1227.17         | 100.68       | End Shut-In(2)       |
| 245         | 1692.20         | 100.25       | Final Hydro-static   |

### Recovery

| Length (ft) | Description           | Volume (bbl) |
|-------------|-----------------------|--------------|
| 180.00      | GOCM-5%G-30%O-65%M    | 0.89         |
| 250.00      | Gassy oil-10%G-90%Oil | 1.23         |
| 0.00        | 250 gas in pipe       | 0.00         |
|             |                       |              |
|             |                       |              |
|             |                       |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Mica Energy Corp.

**Stephens # 11-16**

P.O.Box 20707  
Oklahoma City, OK 73156

**16-5s-26w**

Job Ticket: 22266

**DST#: 1**

ATTN: Michael E Carr

Test Start: 2005.10.12 @ 22:34:22

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3115.00 ft | Diameter: 3.80 inches   | Volume: 43.70 bbl | Tool Weight: 2700.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 2.70 inches   | Volume: 0.00 bbl  | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 519.00 ft  | Diameter: 2.25 inches   | Volume: 2.55 bbl  | Weight to Pull Loose: 85000.00 lb  |
|                           |                    | Total Volume: 46.25 bbl |                   | Tool Chased 10.00 ft               |
| Drill Pipe Above KB:      | 9.00 ft            |                         |                   | String Weight: Initial 75000.00 lb |
| Depth to Top Packer:      | 3653.00 ft         |                         |                   | Final 77000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 52.00 ft           |                         |                   |                                    |
| Tool Length:              | 80.00 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        |            |          | 3626.00    |                               |
| Shut In Tool       | 5.00        |            |          | 3631.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 3636.00    |                               |
| Jars               | 5.00        |            |          | 3641.00    |                               |
| Safety Joint       | 3.00        |            |          | 3644.00    |                               |
| Packer             | 4.00        |            |          | 3648.00    | 28.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 3653.00    |                               |
| Stubb              | 1.00        |            |          | 3654.00    |                               |
| Perforations       | 1.00        |            |          | 3655.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3656.00    |                               |
| Recorder           | 0.00        | 8018       | Inside   | 3656.00    |                               |
| Blank Spacing      | 30.00       |            |          | 3686.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3687.00    |                               |
| Recorder           | 0.00        | 11084      | Outside  | 3687.00    |                               |
| Perforations       | 15.00       |            |          | 3702.00    |                               |
| Bullnose           | 3.00        |            |          | 3705.00    | 52.00 Bottom Packers & Anchor |
| Total Tool Length: |             | 80.00      |          |            |                               |



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Mica Energy Corp.

**Stephens # 11-16**

P.O. Box 20707  
Oklahoma City, OK 73156

**16-5s-26w**

Job Ticket: 22266

**DST#: 1**

ATTN: Michael E Carr

Test Start: 2005.10.12 @ 22:34:22

### 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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in\*

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 |
|--------------|-----------------------|---------------|
| 180.00       | GOCM-5%G-30%O-65%M    | 0.885         |
| 250.00       | Gassy oil-10%G-90%Oil | 1.229         |
| 0.00         | 250 gas in pipe       | 0.000         |

Total Length: 430.00 ft

Total Volume: 2.114 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

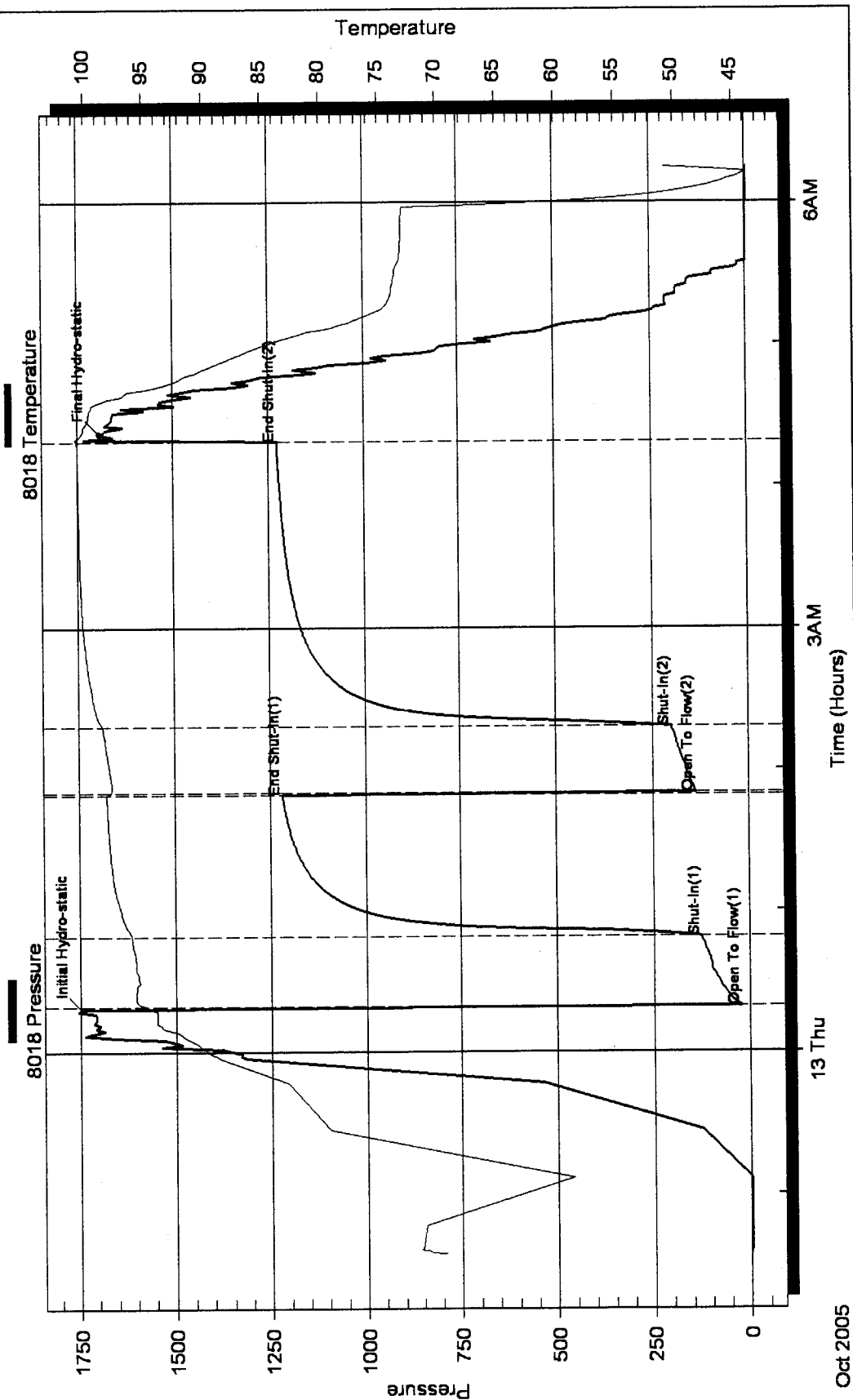
Serial #:

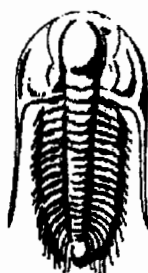
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





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

## DRILL STEM TEST REPORT

Prepared For: **Mica Energy Corp.**

P.O.Box 20707  
Oklahoma City, OK 73156

ATTN: Michael E Carr

**16-5s-26w**

**Stephens # 11-16**

Start Date: 2005.10.13 @ 15:32:40

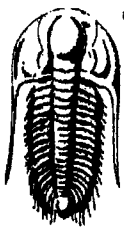
End Date: 2005.10.13 @ 21:34:40

Job Ticket #: 22267      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

Mica Energy Corp.  
P.O.Box 20707  
Oklahoma City, OK 73156  
ATTN: Michael E Carr

**Stephens # 11-16**  
**16-5s-26w**  
Job Ticket: 22267 **DST#: 2**  
Test Start: 2005.10.13 @ 15:32:40

### GENERAL INFORMATION:

Formation: **L.Kc.-D-G**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 16:59:40  
Time Test Ended: 21:34:40

Test Type: **Conventional Bottom Hole**  
Tester: **John Schmidt**  
Unit No: **31**

Interval: **3702.00 ft (KB) To 3750.00 ft (KB) (TVD)**  
Total Depth: **3750.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2616.00 ft (KB)**  
**2611.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 8018**

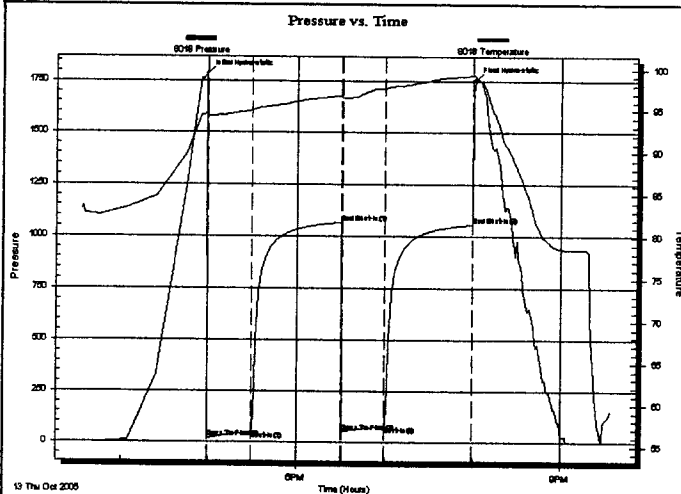
**Inside**

Press@RunDepth: **76.54 psig @ 3705.00 ft (KB)**  
Start Date: **2005.10.13** End Date: **2005.10.13**  
Start Time: **15:32:45** End Time: **21:34:39**

Capacity: **7000.00 psig**  
Last Calib.: **2005.10.13**  
Time On Btm: **2005.10.13 @ 16:59:10**  
Time Off Btm: **2005.10.13 @ 20:01:10**

TEST COMMENT: **F-Weak surface built to 1" in.**  
**FF-Very weak surface blow.**

**ISI-Dead**  
**FSI-Dead**



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1782.10         | 94.74        | Initial Hydro-static |
| 1           | 17.49           | 94.34        | Open To Flow (1)     |
| 31          | 48.96           | 95.01        | Shut-In(1)           |
| 91          | 1064.92         | 96.82        | End Shut-In(1)       |
| 92          | 51.78           | 96.54        | Open To Flow (2)     |
| 121         | 76.54           | 97.68        | Shut-In(2)           |
| 181         | 1055.36         | 99.24        | End Shut-In(2)       |
| 182         | 1754.86         | 99.11        | Final Hydro-static   |

### Recovery

| Length (ft) | Description       | Volume (bbl) |
|-------------|-------------------|--------------|
| 120.00      | Mud few oil spots | 0.59         |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Mca Energy Corp.

**Stephens # 11-16**

P.O.Box 20707  
Oklahoma City, OK 73156

**16-5s-26w**

Job Ticket: 22267

DST#: 2

ATTN: Michael E Carr

Test Start: 2005.10.13 @ 15:32:40

### Tool Information

Drill Pipe: Length: 3175.00 ft Diameter: 3.80 inches Volume: 44.54 bbl  
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl  
Drill Collar: Length: 519.00 ft Diameter: 2.25 inches Volume: 2.55 bbl  
Total Volume: 47.09 bbl  
Drill Pipe Above KB: 20.00 ft  
Depth to Top Packer: 3702.00 ft  
Depth to Bottom Packer: ft  
Interval between Packers: 48.00 ft  
Tool Length: 76.00 ft  
Number of Packers: 2 Diameter: 6.75 inches

Tool Weight: 2700.00 lb  
Weight set on Packer: 25000.00 lb  
Weight to Pull Loose: 85000.00 lb  
Tool Chased 5.00 ft  
String Weight: Initial 78000.00 lb  
Final 78000.00 lb

Tool Comments:

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|--------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub    | 1.00        |            |          | 3675.00    |                               |
| Shut In Tool       | 5.00        |            |          | 3680.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 3685.00    |                               |
| Jars               | 5.00        |            |          | 3690.00    |                               |
| Safety Joint       | 3.00        |            |          | 3693.00    |                               |
| Packer             | 4.00        |            |          | 3697.00    | 28.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 3702.00    |                               |
| Stubb              | 1.00        |            |          | 3703.00    |                               |
| Perforations       | 1.00        |            |          | 3704.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3705.00    |                               |
| Recorder           | 0.00        | 8018       | Inside   | 3705.00    |                               |
| Blank Spacing      | 31.00       |            |          | 3736.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3737.00    |                               |
| Recorder           | 0.00        | 11084      | Outside  | 3737.00    |                               |
| Perforations       | 10.00       |            |          | 3747.00    |                               |
| Bullnose           | 3.00        |            |          | 3750.00    | 48.00 Bottom Packers & Anchor |
| Total Tool Length: |             | 76.00      |          |            |                               |



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

## DRILL STEM TEST REPORT

FLUID SUMMARY

Mica Energy Corp.

Stephens # 11-16

P.O.Box 20707  
Oklahoma City, OK 73156

16-5s-26w

Job Ticket: 22267

DST#: 2

ATTN: Michael E Carr

Test Start: 2005.10.13 @ 15:32:40

### 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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 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 |
|--------------|-------------------|---------------|
| 120.00       | Mud few oil spots | 0.590         |

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

