



## DRILL STEM TEST REPORT

Prepared For: **Fremont Exploration Inc**

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**36 8 29 Sheridan KS**

**Mosier #1-36**

Start Date: 2007.05.13 @ 22:29:56

End Date: 2007.05.14 @ 05:07:35

Job Ticket #: 27899      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

Fremont Exploration Inc

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Mosier #1-36**

**36 8 29 Sheridan KS**

Job Ticket: 27899

**DST#: 1**

Test Start: 2007.05.13 @ 22:29:56

### GENERAL INFORMATION:

Formation: **Burlingame**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:29:16

Time Test Ended: 05:07:35

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3531.00 ft (KB) To 3576.00 ft (KB) (TVD)**

Total Depth: 3576.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2781.00 ft (KB)

2776.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6799**

**Inside**

Press@RunDepth: 72.73 psig @ 3532.00 ft (KB)

Start Date: 2007.05.13

End Date:

2007.05.14

Start Time: 22:29:58

End Time:

05:07:36

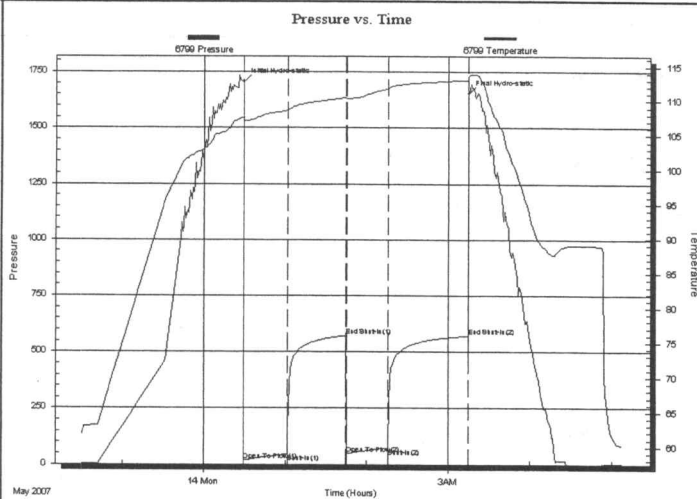
Capacity: 7000.00 psig

Last Calib.: 2007.05.14

Time On Btm: 2007.05.14 @ 00:29:06

Time Off Btm: 2007.05.14 @ 03:15:16

TEST COMMENT: IF Fair blow built to 3.5 " in bucket  
ISI Bled off no blow back  
FF Weak blow built to 2.25 " in bucket  
FSI Bled off no blow back



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1702.96         | 107.63       | Initial Hydro-static |
| 1           | 17.73           | 106.98       | Open To Flow (1)     |
| 33          | 47.68           | 108.64       | Shut-In(1)           |
| 76          | 571.37          | 110.49       | End Shut-In(1)       |
| 76          | 48.10           | 110.32       | Open To Flow (2)     |
| 107         | 72.73           | 111.80       | Shut-In(2)           |
| 166         | 570.76          | 113.07       | End Shut-In(2)       |
| 167         | 1652.16         | 113.59       | Final Hydro-static   |

### Recovery

| Length (ft) | Description      | Volume (bbl) |
|-------------|------------------|--------------|
| 125.00      | OSM 1%Oil 99%Mud | 0.66         |
|             |                  |              |
|             |                  |              |
|             |                  |              |
|             |                  |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Fremont Exploration Inc

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Mosier #1-36**

**36 8 29 Sheridan KS**

Job Ticket: 27899

DST#: 1

Test Start: 2007.05.13 @ 22:29:56

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3402.00 ft | Diameter: 3.80 inches | Volume: 47.72 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:  | 30000.00 lb |
| Drill Collar:             | Length: 120.00 ft  | Diameter: 2.25 inches | Volume: 0.59 bbl  | Weight to Pull Loose:  | 68000.00 lb |
|                           |                    | Total Volume:         | 48.31 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 14.00 ft           |                       |                   | String Weight: Initial | 52000.00 lb |
| Depth to Top Packer:      | 3531.00 ft         |                       |                   | Final                  | 55000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 45.00 ft           |                       |                   |                        |             |
| Tool Length:              | 68.00 ft           |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |

Tool Comments:

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 3513.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3518.00    |                               |
| Safety Joint     | 3.00        |            |          | 3521.00    |                               |
| Packer           | 5.00        |            |          | 3526.00    | 23.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3531.00    |                               |
| Stubb            | 1.00        |            |          | 3532.00    |                               |
| Recorder         | 0.00        | 6799       | Inside   | 3532.00    |                               |
| Perforations     | 7.00        |            |          | 3539.00    |                               |
| Blank Spacing    | 34.00       |            |          | 3573.00    |                               |
| Recorder         | 0.00        | 10270      | Outside  | 3573.00    |                               |
| Bullnose         | 3.00        |            |          | 3576.00    | 45.00 Bottom Packers & Anchor |

**Total Tool Length: 68.00**



**TRILOBITE**  
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## DRILL STEM TEST REPORT

### FLUID SUMMARY

Fremont Exploration Inc

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Mosier #1-36**

**36 8 29 Sheridan KS**

Job Ticket: 27899

DST#: 1

Test Start: 2007.05.13 @ 22:29:56

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.19 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 1000.00 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 |
|--------------|------------------|---------------|
| 125.00       | OSM 1%Oil 99%Mud | 0.660         |

Total Length: 125.00 ft

Total Volume: 0.660 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

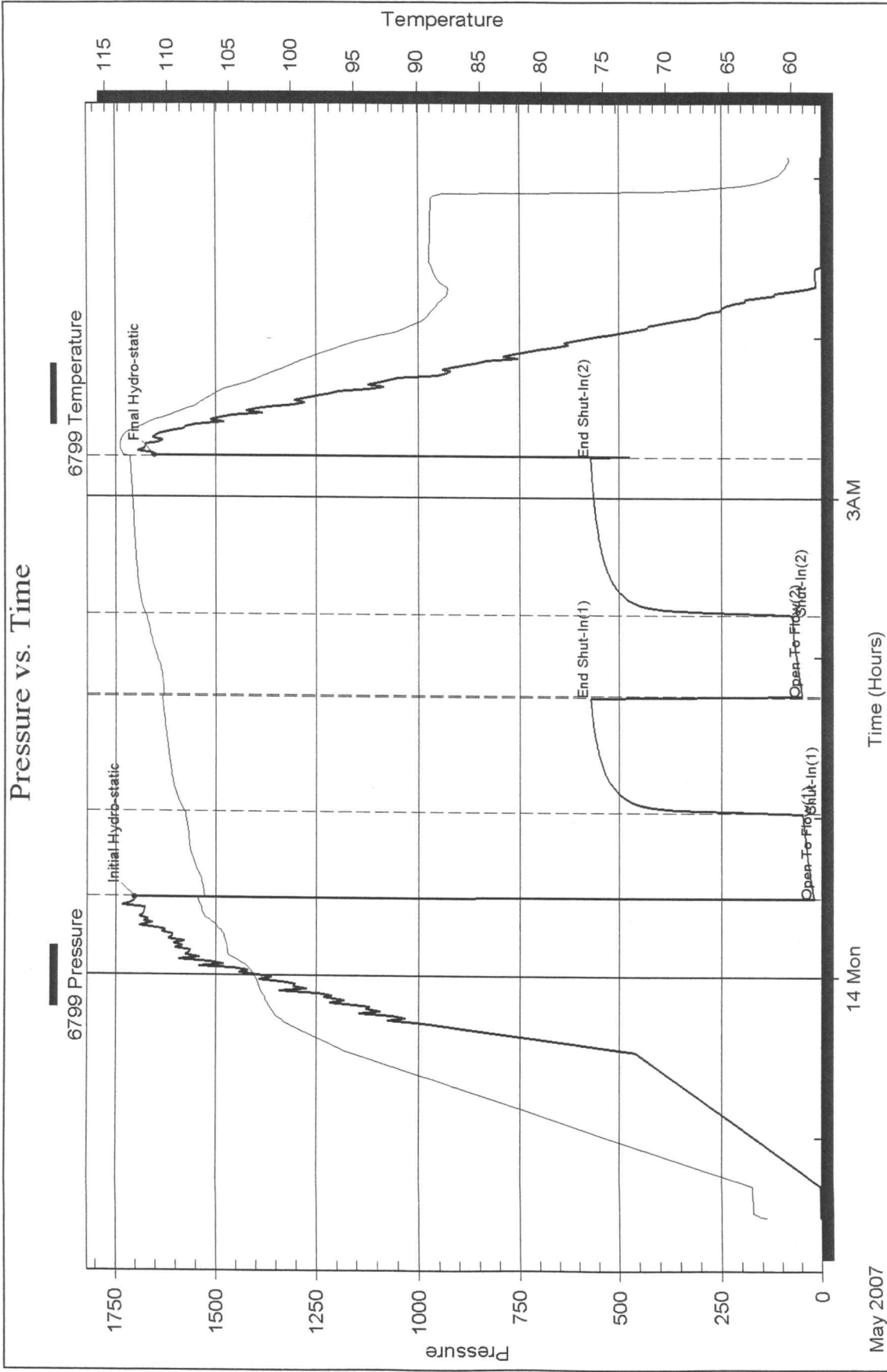
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Fremont Exploration Inc**

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**36 8 29 Sheridan KS**

**Mosier #1-36**

Start Date: 2007.05.15 @ 08:51:50

End Date: 2007.05.15 @ 16:00:50

Job Ticket #: 27900                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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## DRILL STEM TEST REPORT

Fremont Exploration Inc

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Mosier #1-36**

**36 8 29 Sheridan KS**

Job Ticket: 27900

**DST#: 2**

Test Start: 2007.05.15 @ 08:51:50

### GENERAL INFORMATION:

Formation: **Toronto, LKC "A&B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:24:20

Time Test Ended: 16:00:50

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3812.00 ft (KB) To 3909.00 ft (KB) (TVD)**

Total Depth: 3909.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2781.00 ft (KB)

2776.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6799**

**Inside**

Press@RunDepth: 195.77 psig @ 3813.00 ft (KB)

Start Date: 2007.05.15

End Date:

2007.05.15

Start Time: 08:51:52

End Time:

16:00:50

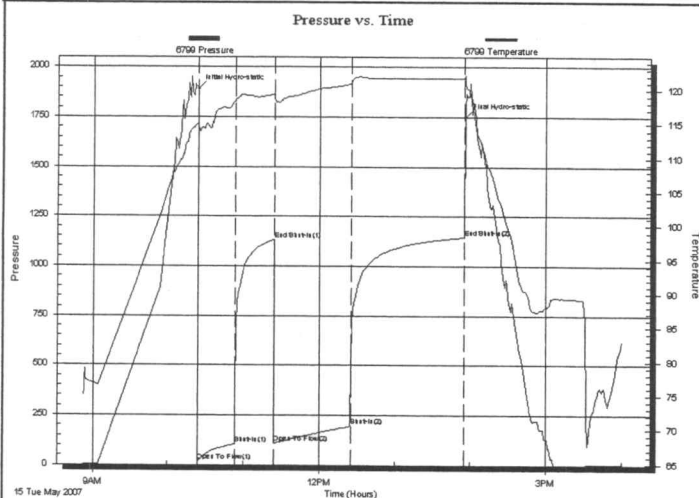
Capacity: 7000.00 psig

Last Calib.: 2007.05.15

Time On Btm: 2007.05.15 @ 10:24:10

Time Off Btm: 2007.05.15 @ 13:55:39

TEST COMMENT: IF Strong blow BOB 24.5 min.  
ISI Bled off no blow back  
FF Strong blow BOB 36 min.  
FSI Bled off no blow back



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1890.12         | 115.01       | Initial Hydro-static |
| 1           | 20.12           | 113.69       | Open To Flow (1)     |
| 30          | 105.23          | 118.38       | Shut-In(1)           |
| 61          | 1133.04         | 119.36       | End Shut-In(1)       |
| 61          | 109.32          | 118.74       | Open To Flow (2)     |
| 121         | 195.77          | 120.86       | Shut-In(2)           |
| 212         | 1145.89         | 121.75       | End Shut-In(2)       |
| 212         | 1748.37         | 122.17       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                  | Volume (bbl) |
|-------------|------------------------------|--------------|
| 60.00       | Salt Water 100%W             | 0.30         |
| 180.00      | Muddy Water 40%M 60%W        | 1.98         |
| 150.00      | SLOCM 8%O 92%M               | 2.10         |
| 0.00        | RW=21 OHMS@72degF=34000ppmCh | 0.00         |
|             |                              |              |
|             |                              |              |

### Gas Rates

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



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## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Fremont Exploration Inc

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Mosier #1-36**

**36 8 29 Sheridan KS**

Job Ticket: 27900

**DST#: 2**

Test Start: 2007.05.15 @ 08:51:50

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3683.00 ft | Diameter: 3.80 inches | Volume: 51.66 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: 120.00 ft  | Diameter: 2.25 inches | Volume: 0.59 bbl  | Weight to Pull Loose:  | 80000.00 lb |
|                           |                    | Total Volume:         | 52.25 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 14.00 ft           |                       |                   | String Weight: Initial | 55000.00 lb |
| Depth to Top Packer:      | 3812.00 ft         |                       |                   | Final                  | 59000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 97.00 ft           |                       |                   |                        |             |
| Tool Length:              | 120.00 ft          |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |

### Tool Comments:

Got stuck on county road @ 06:00. Kirby called cat. On location @ 08:30.

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 3794.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3799.00    |                               |
| Safety Joint     | 3.00        |            |          | 3802.00    |                               |
| Packer           | 5.00        |            |          | 3807.00    | 23.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3812.00    |                               |
| Stubb            | 1.00        |            |          | 3813.00    |                               |
| Recorder         | 0.00        | 6799       | Inside   | 3813.00    |                               |
| Perforations     | 28.00       |            |          | 3841.00    |                               |
| Blank Spacing    | 65.00       |            |          | 3906.00    |                               |
| Recorder         | 0.00        | 10270      | Outside  | 3906.00    |                               |
| Bullnose         | 3.00        |            |          | 3909.00    | 97.00 Bottom Packers & Anchor |

**Total Tool Length: 120.00**



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## DRILL STEM TEST REPORT

### FLUID SUMMARY

Fremont Exploration Inc

**Mosier #1-36**

12412 St Andrews Drive  
Oklahoma City OK 73120

**36 8 29 Sheridan KS**

Job Ticket: 27900

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2007.05.15 @ 08:51:50

### 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: 49.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                    | Volume<br>bbl |
|--------------|--------------------------------|---------------|
| 60.00        | Salt Water 100%W               | 0.295         |
| 180.00       | Muddy Water 40%M 60%W          | 1.978         |
| 150.00       | SLOCM 8%O 92%M                 | 2.104         |
| 0.00         | RW=.21 OHMS@72degF=34000ppmChl | 0.000         |

Total Length: 390.00 ft

Total Volume: 4.377 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

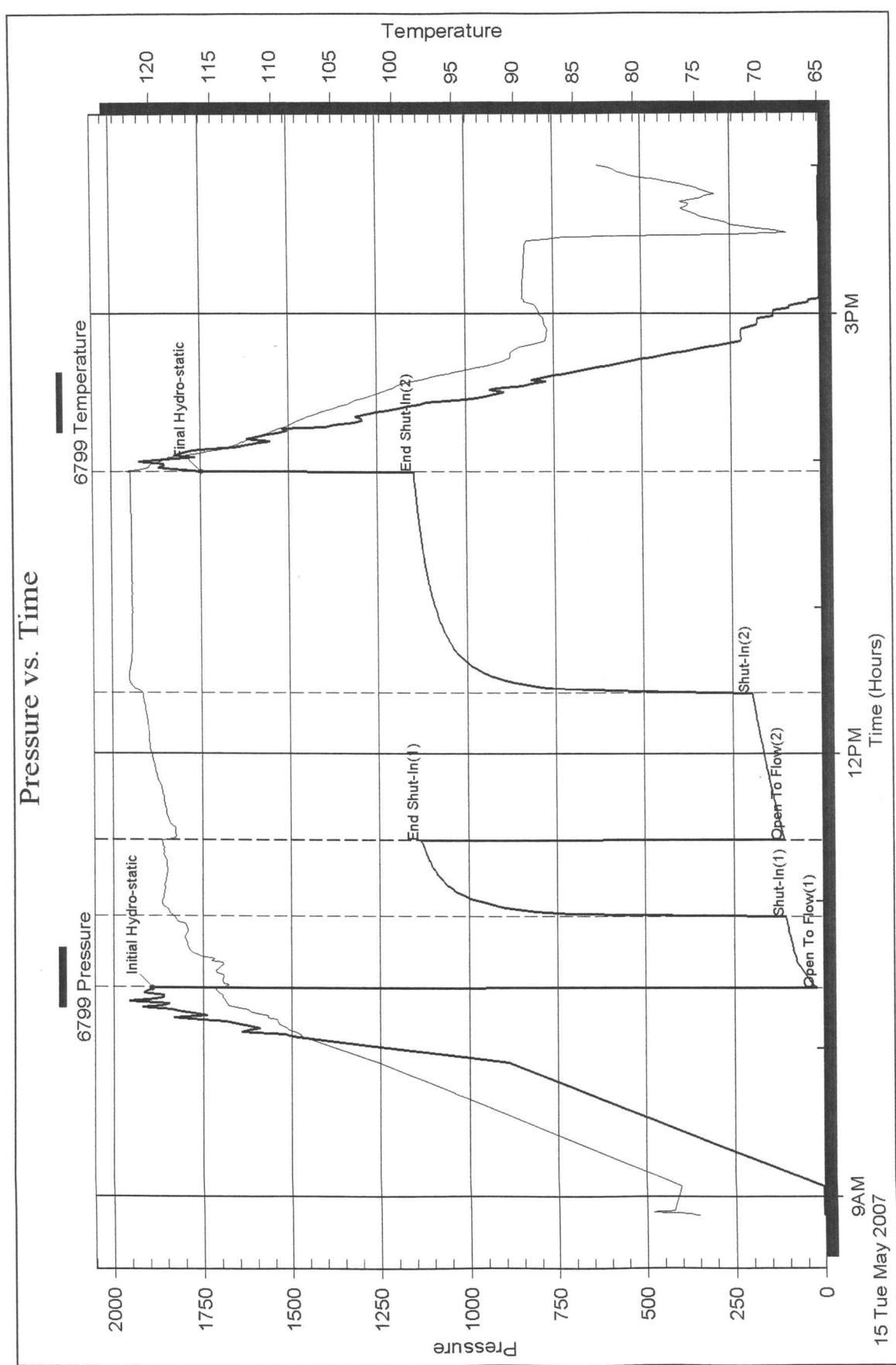
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Fremont Exploration Inc**

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**36 8 29 Sheridan KS**

**Mosier #1-36**

Start Date: 2007.05.16 @ 23:23:17

End Date: 2007.05.17 @ 06:43:17

Job Ticket #: 27776                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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## DRILL STEM TEST REPORT

Fremont Exploration Inc

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Mosier #1-36**

**36 8 29 Sheridan KS**

Job Ticket: 27776

**DST#: 3**

Test Start: 2007.05.16 @ 23:23:17

### GENERAL INFORMATION:

Formation: **LKC "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:28:47

Time Test Ended: 06:43:17

Test Type: Conventional Straddle

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3936.00 ft (KB) To 3980.00 ft (KB) (TVD)**

Total Depth: 4134.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2781.00 ft (KB)

2776.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6799** Inside

Press@RunDepth: 922.37 psig @ 3937.00 ft (KB)

Start Date: 2007.05.16

End Date: 2007.05.17

Start Time: 23:23:19

End Time: 06:43:17

Capacity: 7000.00 psig

Last Calib.: 2007.05.17

Time On Btm: 2007.05.17 @ 01:28:07

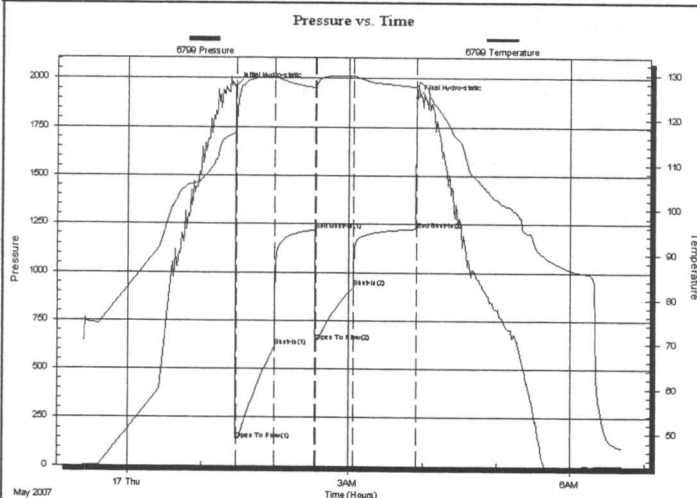
Time Off Btm: 2007.05.17 @ 03:54:57

TEST COMMENT: IF Strong blow BOB 1min 45 sec.

ISI Bled off no blow back

FF Strong blow BOB 2 min 15sec.

FSI Bled off no blow back



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1959.54         | 117.01       | Initial Hydro-static |
| 1           | 134.98          | 117.42       | Open To Flow (1)     |
| 32          | 617.54          | 129.09       | Shut-In (1)          |
| 65          | 1219.36         | 127.16       | End Shut-In (1)      |
| 65          | 640.93          | 127.47       | Open To Flow (2)     |
| 96          | 922.37          | 129.67       | Shut-In (2)          |
| 147         | 1224.53         | 127.33       | End Shut-In (2)      |
| 147         | 1899.75         | 127.53       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 1700.00     | Salt Water                    | 22.75        |
| 180.00      | MCW 15%M 85%W                 | 2.52         |
| 150.00      | WCM 25%W 75%M                 | 2.10         |
| 0.00        | RW=.22 OHMS@50degF=48000ppmCh | 0.00         |
|             |                               |              |
|             |                               |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Fremont Exploration Inc

12412 St Andrews Drive  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Mosier #1-36**

**36 8 29 Sheridan KS**

Job Ticket: 27776

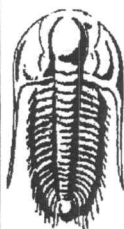
**DST#: 3**

Test Start: 2007.05.16 @ 23:23:17

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3807.00 ft | Diameter: 3.80 inches   | Volume: 53.40 bbl | Tool Weight: 3000.00 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: 120.00 ft  | Diameter: 2.25 inches   | Volume: 0.59 bbl  | Weight to Pull Loose: 84000.00 lb  |
|                           |                    | Total Volume: 53.99 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 14.00 ft           |                         |                   | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 3936.00 ft         |                         |                   | Final 70000.00 lb                  |
| Depth to Bottom Packer:   | 3980.00 ft         |                         |                   |                                    |
| Interval between Packers: | 44.00 ft           |                         |                   |                                    |
| Tool Length:              | 221.00 ft          |                         |                   |                                    |
| Number of Packers:        | 3                  | Diameter: 6.75 inches   |                   |                                    |
| Tool Comments:            |                    |                         |                   |                                    |

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|--------------------|-------------|------------|----------|------------|--------------------------------|
| Shut In Tool       | 5.00        |            |          | 3918.00    |                                |
| Hydraulic tool     | 5.00        |            |          | 3923.00    |                                |
| Safety Joint       | 3.00        |            |          | 3926.00    |                                |
| Packer             | 5.00        |            |          | 3931.00    | 23.00 Bottom Of Top Packer     |
| Packer             | 5.00        |            |          | 3936.00    |                                |
| Stubb              | 1.00        |            |          | 3937.00    |                                |
| Recorder           | 0.00        | 6799       | Inside   | 3937.00    |                                |
| Blank Spacing      | 34.00       |            |          | 3971.00    |                                |
| Perforations       | 6.00        |            |          | 3977.00    |                                |
| Recorder           | 0.00        | 3354       | Outside  | 3977.00    |                                |
| Blank Off Sub      | 3.00        |            |          | 3980.00    | 44.00 Tool Interval            |
| Packer             | 3.00        |            |          | 3983.00    |                                |
| Perforations       | 21.00       |            |          | 4004.00    |                                |
| Blank Spacing      | 127.00      |            |          | 4131.00    |                                |
| Recorder           | 0.00        | 10270      | Fluid    | 4131.00    |                                |
| Bullnose           | 3.00        |            |          | 4134.00    | 154.00 Bottom Packers & Anchor |
| Total Tool Length: |             | 221.00     |          |            |                                |



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Fremont Exploration Inc

**Mosier #1-36**

12412 St Andrews Drive  
Oklahoma City OK 73120

**36 8 29 Sheridan KS**

Job Ticket: 27776

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2007.05.16 @ 23:23:17

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.19 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 2000.00 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 |
|--------------|--------------------------------|---------------|
| 1700.00      | Salt Water                     | 22.753        |
| 180.00       | MCW 15%M 85%W                  | 2.525         |
| 150.00       | WCM 25%W 75%M                  | 2.104         |
| 0.00         | RW=.22 OHMS@50degF=48000ppmChl | 0.000         |

Total Length: 2030.00 ft

Total Volume: 27.382 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Dropped the bar.

