

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

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**  
1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**6-10s-18w/Rooks**

### Stepp #1

Start Date: 2006.03.14 @ 08:43:20  
End Date: 2006.03.14 @ 16:08:18  
Job Ticket #: 24304      DST #: 1

**RECEIVED**  
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**KCC WICHITA**

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



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

## DRILL STEM TEST REPORT

Coral Production

1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**Stepp #1**

**6-10s-18w/Rooks**

Job Ticket: 24304

DST#: 1

Test Start: 2006.03.14 @ 08:43:20

### GENERAL INFORMATION:

Formation: **Toronto - LKC "A-B"**

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

Time Tool Opened: 10:51:33

Time Test Ended: 16:08:18

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **3386.00 ft (KB) To 3469.00 ft (KB) (TVD)**

Total Depth: **3469.00 ft (KB) (TVD)**

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

Reference Elevations: **2199.00 ft (KB)**

**2193.00 ft (CF)**

KB to GRVCF: **6.00 ft**

**Serial #: 6769**

**Inside**

Press@RunDepth: **175.36 psig @ 3392.01 ft (KB)**

Start Date: **2006.03.14**

End Date:

**2006.03.14**

Capacity: **7000.00 psig**

Last Calib.: **2006.03.14**

Start Time: **08:43:20**

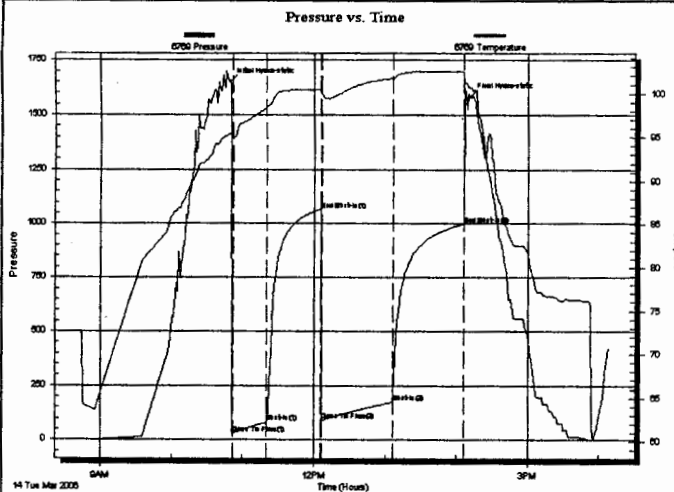
End Time:

**16:08:18**

Time On Btm: **2006.03.14 @ 10:49:48**

Time Off Btm: **2006.03.14 @ 14:11:18**

TEST COMMENT: **IFP - BOB 7 min.**  
**ISI - 7" blow back**  
**FFP - BOB 3 min**  
**FSI - BOB 31 min.**



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1650.27         | 95.39        | Initial Hydro-static |
| 2           | 26.29           | 95.04        | Open To Flow (1)     |
| 31          | 80.79           | 98.39        | Shut-In(1)           |
| 77          | 1062.72         | 100.39       | End Shut-In(1)       |
| 77          | 91.12           | 100.02       | Open To Flow (2)     |
| 136         | 175.36          | 101.71       | Shut-In(2)           |
| 196         | 999.05          | 102.45       | End Shut-In(2)       |
| 202         | 1585.10         | 100.66       | Final Hydro-static   |

### Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 125.00      | OCGM 20% G, 20% O, 60% M | 1.75         |
| 295.00      | GMO 10% G, 85% O, 5% M   | 4.14         |
|             |                          |              |
|             |                          |              |
|             |                          |              |
|             |                          |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24304

DST#: 1

ATTN: Pete Debenham

Test Start: 2006.03.14 @ 08:43:20

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3369.00 ft | Diameter: 3.80 inches | Volume: 47.26 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: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight to Pull Loose:  | 65000.00 lb |
|                           |                    | Total Volume:         | 47.26 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 10.00 ft           |                       |                   | String Weight: Initial | 41000.00 lb |
| Depth to Top Packer:      | 3386.00 ft         |                       |                   | Final                  | 44000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 83.02 ft           |                       |                   |                        |             |
| Tool Length:              | 110.02 ft          |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |
| Tool Comments:            |                    |                       |                   |                        |             |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| S.I. Tool        | 5.00        |            |          | 3364.00    |                               |
| HYD S.I. Tool    | 5.00        |            |          | 3369.00    |                               |
| Jars             | 5.00        |            |          | 3374.00    |                               |
| Safety Joint     | 2.00        |            |          | 3376.00    |                               |
| Packer           | 5.00        |            |          | 3381.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3386.00    |                               |
| Stubb            | 1.00        |            |          | 3387.00    |                               |
| Perforations     | 4.00        |            |          | 3391.00    |                               |
| C.O. Sub         | 1.00        |            |          | 3392.00    |                               |
| Recorder         | 0.01        | 6769       | Inside   | 3392.01    |                               |
| Blank Spacing    | 63.00       |            |          | 3455.01    |                               |
| C.O. Sub         | 1.00        |            |          | 3456.01    |                               |
| Perforations     | 10.00       |            |          | 3466.01    |                               |
| Recorder         | 0.01        | 13548      | Outside  | 3466.02    |                               |
| Bullnose         | 3.00        |            |          | 3469.02    | 83.02 Bottom Packers & Anchor |

**Total Tool Length: 110.02**



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

## DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24304

DST#: 1

ATTN: Pete Debenham

Test Start: 2006.03.14 @ 08:43:20

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.72 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 125.00       | OCGM 20% G, 20% O, 60% M | 1.753         |
| 295.00       | GMO 10% G, 85% O, 5% M   | 4.138         |

Total Length: 420.00 ft

Total Volume: 5.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1005' GIP

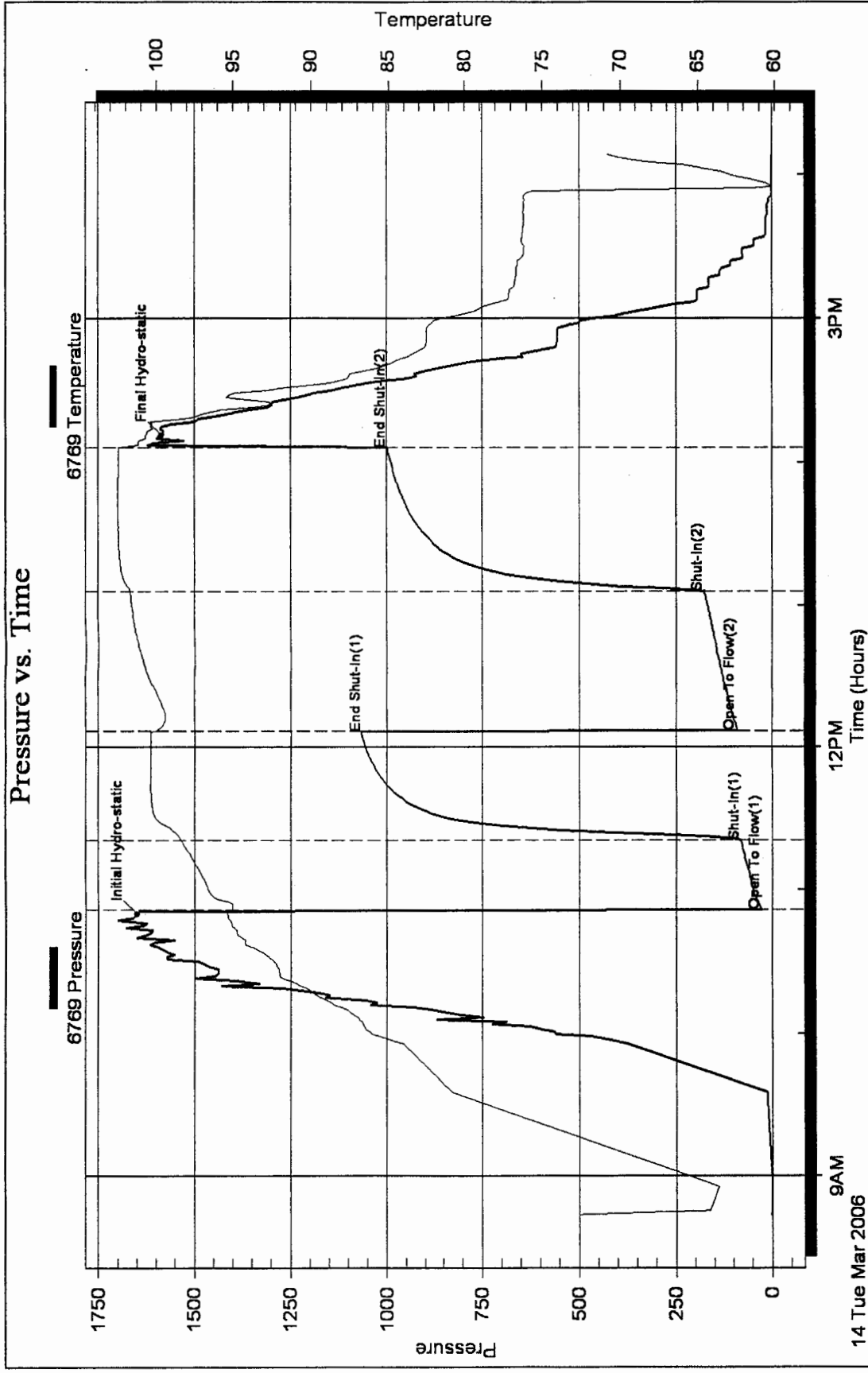
Serial #: 6769

Inside

Coral Production

6-10s-18w /Rooks

DST Test Number: 1





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

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**6-10s-18w/Rooks**

### Stepp #1

Start Date: 2006.03.14 @ 00:14:21

End Date: 2006.03.14 @ 06:23:49

Job Ticket #: 24305      DST #: 2

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

Coral Production

Stepp #1

6-10s-18w/Rooks

DST # 2

LKC "C-F"

2006.03.14



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Coral Production

1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**Stepp #1**

**6-10s-18w/Rooks**

Job Ticket: 24305

**DST#: 2**

Test Start: 2006.03.14 @ 00:14:21

### GENERAL INFORMATION:

Formation: **LKC "C-F"**

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

Time Tool Opened: 02:09:04

Time Test Ended: 06:23:49

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **3467.00 ft (KB) To 3512.00 ft (KB) (TVD)**

Total Depth: **3512.00 ft (KB) (TVD)**

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

Reference Elevations: **2199.00 ft (KB)**

**2193.00 ft (CF)**

KB to GR/CF: **6.00 ft**

**Serial #: 6769**

**Inside**

Press@RunDepth: **20.97 psig @ 3476.01 ft (KB)**

Start Date: **2006.03.14**

End Date:

**2006.03.14**

Capacity: **7000.00 psig**

Last Calib.: **2006.03.15**

Start Time: **00:14:21**

End Time:

**06:23:49**

Time On Btmr: **2006.03.14 @ 02:06:49**

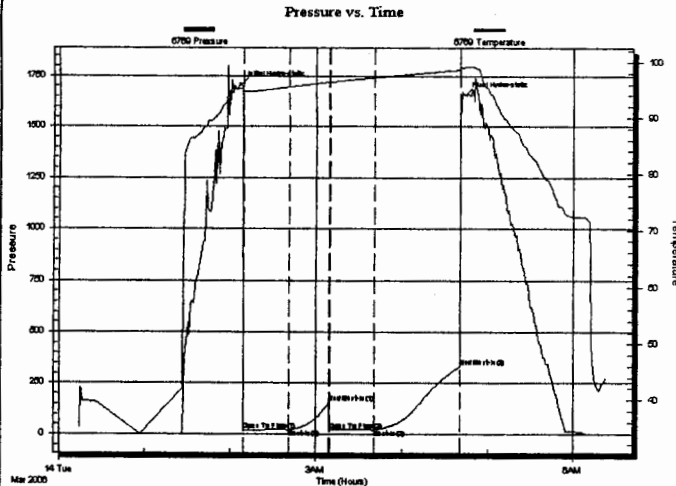
Time Off Btmr: **2006.03.14 @ 04:43:34**

**TEST COMMENT:** IFP - weak blow throughout 1/4" - 1/2"

ISI - no blow back

FFP - no blow

FSI - no blow back



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1707.02         | 95.19        | Initial Hydro-static |
| 3           | 19.89           | 94.79        | Open To Flow (1)     |
| 35          | 20.98           | 95.55        | Shut-In(1)           |
| 63          | 156.45          | 96.44        | End Shut-In(1)       |
| 63          | 20.60           | 96.42        | Open To Flow (2)     |
| 94          | 20.97           | 97.21        | Shut-In(2)           |
| 154         | 333.28          | 98.62        | End Shut-In(2)       |
| 157         | 1657.36         | 99.09        | Final Hydro-static   |

### Recovery

| Length (ft) | Description       | Volume (bbl) |
|-------------|-------------------|--------------|
| 1.00        | VSOCM 2% O, 98% M | 0.01         |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24305

DST#: 2

ATTN: Pete Debenham

Test Start: 2006.03.14 @ 00:14:21

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3464.00 ft | Diameter: 3.80 inches   | Volume: 48.59 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: 0.00 ft    | Diameter: 0.00 inches   | Volume: 0.00 bbl  | Weight to Pull Loose: 65000.00 lb  |
|                           |                    | Total Volume: 48.59 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 24.00 ft           |                         |                   | String Weight: Initial 41000.00 lb |
| Depth to Top Packer:      | 3467.00 ft         |                         |                   | Final 42000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 45.02 ft           |                         |                   |                                    |
| Tool Length:              | 72.02 ft           |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |
| Tool Comments:            |                    |                         |                   |                                    |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|               |       |       |         |         |                               |
|---------------|-------|-------|---------|---------|-------------------------------|
| S.I. Tool     | 5.00  |       |         | 3445.00 |                               |
| HYD S.I. Tool | 5.00  |       |         | 3450.00 |                               |
| Jars          | 5.00  |       |         | 3455.00 |                               |
| Safety Joint  | 2.00  |       |         | 3457.00 |                               |
| Packer        | 5.00  |       |         | 3462.00 | 27.00 Bottom Of Top Packer    |
| Packer        | 5.00  |       |         | 3467.00 |                               |
| Stubb         | 1.00  |       |         | 3468.00 |                               |
| Perforations  | 7.00  |       |         | 3475.00 |                               |
| C.O. Sub      | 1.00  |       |         | 3476.00 |                               |
| Recorder      | 0.01  | 6769  | Inside  | 3476.01 |                               |
| Blank Spacing | 31.00 |       |         | 3507.01 |                               |
| C.O. Sub      | 1.00  |       |         | 3508.01 |                               |
| Perforations  | 1.00  |       |         | 3509.01 |                               |
| Recorder      | 0.01  | 13548 | Outside | 3509.02 |                               |
| Bullnose      | 3.00  |       |         | 3512.02 | 45.02 Bottom Packers & Anchor |

**Total Tool Length: 72.02**





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

## DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24305

DST#: 2

ATTN: Pete Debenham

Test Start: 2006.03.14 @ 00:14:21

### 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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.74 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description      | Volume<br>bbl |
|--------------|------------------|---------------|
| 1.00         | VSOCM2% O, 98% M | 0.014         |

Total Length:

1.00 ft

Total Volume:

0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

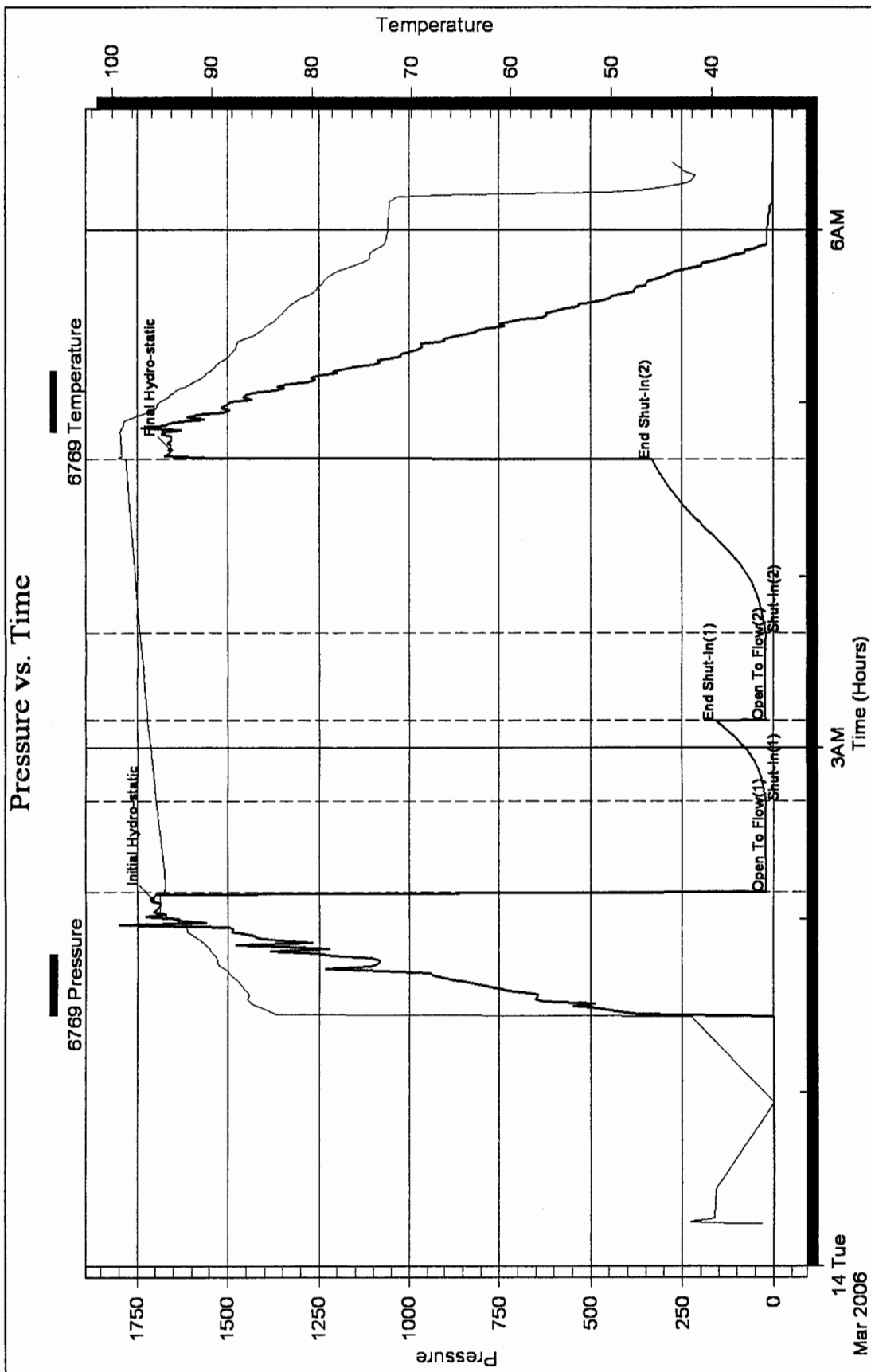
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





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

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**6-10s-18w/Rooks**

### Stepp #1

Start Date: 2006.03.15 @ 20:10:43

End Date: 2006.03.16 @ 02:51:26

Job Ticket #: 24306      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

Coral Production

1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**Stepp #1**

**6-10s-18w/Rooks**

Job Ticket: 24306

**DST#: 3**

Test Start: 2006.03.15 @ 20:10:43

### GENERAL INFORMATION:

Formation: **LKC "H-K"**

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

Time Tool Opened: 22:31:11

Time Test Ended: 02:51:26

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **3538.00 ft (KB) To 3625.00 ft (KB) (TVD)**

Total Depth: **3625.00 ft (KB) (TVD)**

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

Reference Elevations: **2199.00 ft (KB)**

**2193.00 ft (CF)**

KB to GR/CF: **6.00 ft**

**Serial #: 6769**

**Inside**

Press@RunDepth: **25.74 psig @ 3547.01 ft (KB)**

Start Date: **2006.03.15**

End Date:

**2006.03.16**

Start Time: **20:10:43**

End Time:

**02:51:26**

Capacity: **7000.00 psig**

Last Calib.: **2006.03.16**

Time On Btm: **2006.03.15 @ 22:29:11**

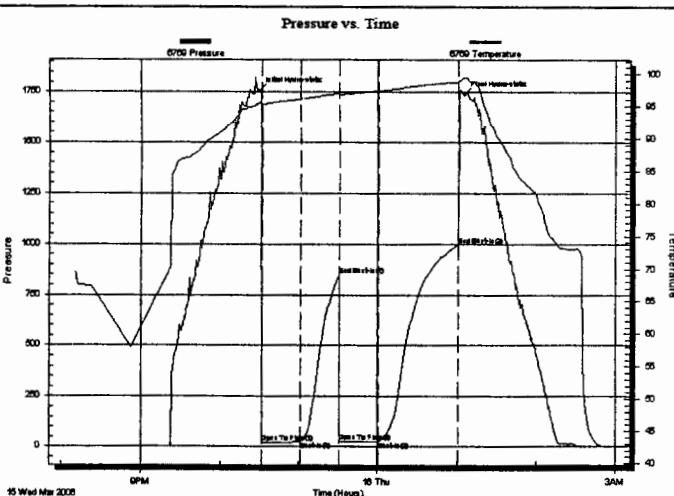
Time Off Btm: **2006.03.16 @ 01:05:11**

**TEST COMMENT:** IFP - weak blow throughout 1/4" - 1"

ISI - no blow back

FFP - no blow

FSI - no blow back



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1755.50         | 95.45        | Initial Hydro-static |
| 2           | 21.25           | 95.20        | Open To Flow (1)     |
| 33          | 22.62           | 96.08        | Shut-In(1)           |
| 62          | 845.30          | 96.97        | End Shut-In(1)       |
| 62          | 25.06           | 96.77        | Open To Flow (2)     |
| 92          | 25.74           | 97.36        | Shut-In(2)           |
| 152         | 996.58          | 98.76        | End Shut-In(2)       |
| 157         | 1735.54         | 99.42        | Final Hydro-static   |

### Recovery

| Length (ft) | Description       | Volume (bbl) |
|-------------|-------------------|--------------|
| 14.00       | SOCM 10% O, 90% M | 0.20         |
| 1.00        | MO 90% O, 10% M   | 0.01         |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24306

DST#: 3

ATTN: Pete Debenham

Test Start: 2006.03.15 @ 20:10:43

### Tool Information

|                           |                    |                       |                   |                                    |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3527.00 ft | Diameter: 3.80 inches | Volume: 49.47 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: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight to Pull Loose: 48000.00 lb  |
|                           |                    | Total Volume:         | 49.47 bbl         | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 16.00 ft           |                       |                   | String Weight: Initial 42000.00 lb |
| Depth to Top Packer:      | 3538.00 ft         |                       |                   | Final 43000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                   |                                    |
| Interval between Packers: | 87.02 ft           |                       |                   |                                    |
| Tool Length:              | 114.02 ft          |                       |                   |                                    |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|               |       |       |         |         |                               |
|---------------|-------|-------|---------|---------|-------------------------------|
| S.I. Tool     | 5.00  |       |         | 3516.00 |                               |
| HYD S.I. Tool | 5.00  |       |         | 3521.00 |                               |
| Jars          | 5.00  |       |         | 3526.00 |                               |
| Safety Joint  | 2.00  |       |         | 3528.00 |                               |
| Packer        | 5.00  |       |         | 3533.00 | 27.00 Bottom Of Top Packer    |
| Packer        | 5.00  |       |         | 3538.00 |                               |
| Stubb         | 1.00  |       |         | 3539.00 |                               |
| Perforations  | 7.00  |       |         | 3546.00 |                               |
| C.O. Sub      | 1.00  |       |         | 3547.00 |                               |
| Recorder      | 0.01  | 6769  | Inside  | 3547.01 |                               |
| Blank Spacing | 63.00 |       |         | 3610.01 |                               |
| C.O. Sub      | 1.00  |       |         | 3611.01 |                               |
| Perforations  | 11.00 |       |         | 3622.01 |                               |
| Recorder      | 0.01  | 13548 | Outside | 3622.02 |                               |
| Bullnose      | 3.00  |       |         | 3625.02 | 87.02 Bottom Packers & Anchor |

**Total Tool Length: 114.02**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24306

DST#: 3

ATTN: Pete Debenham

Test Start: 2006.03.15 @ 20:10:43

### 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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description       | Volume<br>bbl |
|--------------|-------------------|---------------|
| 14.00        | SOCM 10% O, 90% M | 0.196         |
| 1.00         | MO 90% O, 10% M   | 0.014         |

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

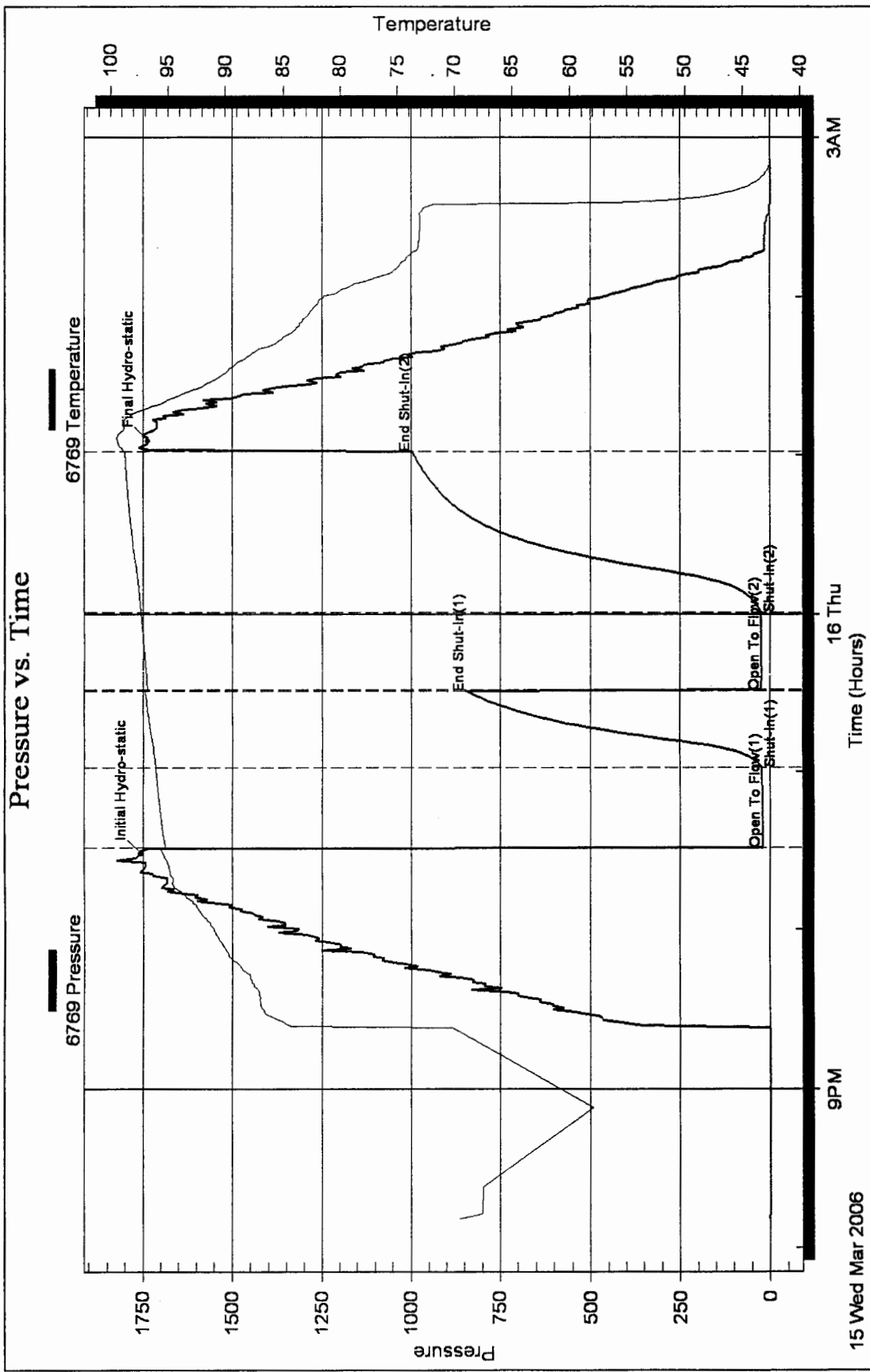
Serial #:

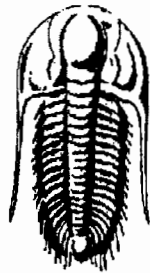
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





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

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**6-10s-18w/Rooks**

### Stepp #1

Start Date: 2006.03.16 @ 16:07:52

End Date: 2006.03.16 @ 22:19:50

Job Ticket #: 24307      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Coral Production

Stepp #1

6-10s-18w/Rooks

DST # 4

Cong. - Simpson

2006.03.16





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Coral Production

1600 Stout St Ste 1500  
Denver CO 80202

ATTN: Pete Debenham

**Stepp #1**

**6-10s-18w/Rooks**

Job Ticket: 24307

**DST#: 4**

Test Start: 2006.03.16 @ 16:07:52

### GENERAL INFORMATION:

Formation: **Cong. - Simpson**

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

Time Tool Opened: 17:58:50

Time Test Ended: 22:19:50

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **3625.00 ft (KB) To 3747.00 ft (KB) (TVD)**

Total Depth: **3747.00 ft (KB) (TVD)**

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

Reference Elevations: **2199.00 ft (KB)**

**2193.00 ft (CF)**

KB to GR/CF: **6.00 ft**

**Serial #: 6769**

**Inside**

Press@RunDepth: **28.94 psig @ 3634.01 ft (KB)**

Start Date: **2006.03.16**

End Date:

**2006.03.16**

Capacity: **7000.00 psig**

Last Calib.: **2006.03.16**

Start Time: **16:07:52**

End Time:

**22:19:50**

Time On Btm: **2006.03.16 @ 17:57:20**

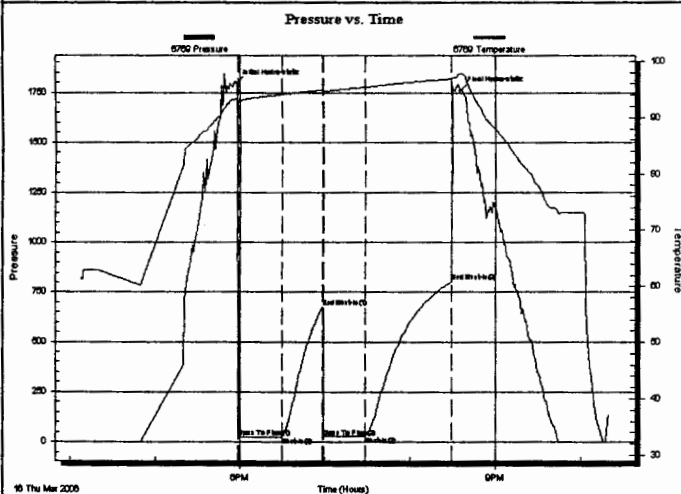
Time Off Btm: **2006.03.16 @ 20:35:20**

**TEST COMMENT:** IFP - weak blow throughout - 1/4" - 1"

ISI - no blow back

FFP - no blow back

FSI - no blow



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1796.31         | 93.32        | Initial Hydro-static |
| 2           | 22.31           | 92.90        | Open To Flow (1)     |
| 33          | 26.81           | 94.05        | Shut-In(1)           |
| 62          | 675.26          | 94.93        | End Shut-In(1)       |
| 62          | 26.57           | 94.73        | Open To Flow (2)     |
| 92          | 28.94           | 95.39        | Shut-In(2)           |
| 152         | 802.66          | 96.87        | End Shut-In(2)       |
| 158         | 1760.81         | 97.78        | Final Hydro-static   |

### Recovery

| Length (ft) | Description      | Volume (bbl) |
|-------------|------------------|--------------|
| 15.00       | VSOCM2% O, 98% M | 0.21         |
|             |                  |              |
|             |                  |              |
|             |                  |              |
|             |                  |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24307

DST#: 4

ATTN: Pete Debenham

Test Start: 2006.03.16 @ 16:07:52

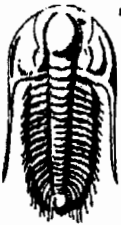
### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3621.00 ft | Diameter: 3.80 inches   | Volume: 50.79 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: 0.00 ft    | Diameter: 0.00 inches   | Volume: 0.00 bbl  | Weight to Pull Loose: 62000.00 lb  |
|                           |                    | Total Volume: 50.79 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 23.00 ft           |                         |                   | String Weight: Initial 44000.00 lb |
| Depth to Top Packer:      | 3625.00 ft         |                         |                   | Final 45000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 122.02 ft          |                         |                   |                                    |
| Tool Length:              | 149.02 ft          |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|------------------|-------------|------------|----------|------------|--------------------------------|
| S.I. Tool        | 5.00        |            |          | 3603.00    |                                |
| HYD S.I. Tool    | 5.00        |            |          | 3608.00    |                                |
| Jars             | 5.00        |            |          | 3613.00    |                                |
| Safety Joint     | 2.00        |            |          | 3615.00    |                                |
| Packer           | 5.00        |            |          | 3620.00    | 27.00 Bottom Of Top Packer     |
| Packer           | 5.00        |            |          | 3625.00    |                                |
| Stubb            | 1.00        |            |          | 3626.00    |                                |
| Perforations     | 7.00        |            |          | 3633.00    |                                |
| C.O. Sub         | 1.00        |            |          | 3634.00    |                                |
| Recorder         | 0.01        | 6769       | Inside   | 3634.01    |                                |
| Blank Spacing    | 94.00       |            |          | 3728.01    |                                |
| C.O. Sub         | 1.00        |            |          | 3729.01    |                                |
| Perforations     | 15.00       |            |          | 3744.01    |                                |
| Recorder         | 0.01        | 13548      | Outside  | 3744.02    |                                |
| Bullnose         | 3.00        |            |          | 3747.02    | 122.02 Bottom Packers & Anchor |

**Total Tool Length: 149.02**



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## DRILL STEM TEST REPORT

### FLUID SUMMARY

Coral Production

Stepp #1

1600 Stout St Ste 1500  
Denver CO 80202

6-10s-18w/Rooks

Job Ticket: 24307

DST#: 4

ATTN: Pete Debenham

Test Start: 2006.03.16 @ 16:07:52

### 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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description      | Volume<br>bbl |
|--------------|------------------|---------------|
| 15.00        | VSOCM2% O, 98% M | 0.210         |

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

