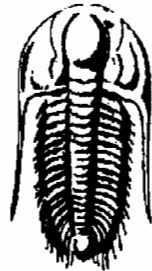


15-077-21460



**TRILOBITE  
TESTING, INC.**

RECEIVED  
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KCC WICHITA

**DRILL STEM TEST REPORT**

Prepared For: **R&B Oil and Gas Inc.**

P.O. BOX 185  
Attica, Ks 67009

**ORIGINAL**

ATTN: Tim Pierce

**4-32s-10w 9w**

**Bob #3 Harper KS**

Start Date: 2003.08.14 @ 07:17:06

End Date: 2003.08.14 @ 14:43:51

Job Ticket #: 17097                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

R&B Oil and Gas Inc.

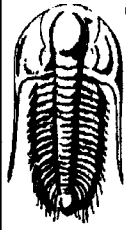
Bob #3 Harper KS

4-32s-10w  
9w

DST # 1

Miss

2003.08.14



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

R&B Oil and Gas Inc.

**Bob #3 Harper KS**

P.O. BOX 185  
Attica, Ks 67009

**4-32s-10w 9**

Job Ticket: 17097

**DST#: 1**

ATTN: Tim Pierce

Test Start: 2003.08.14 @ 07:17:06

**GENERAL INFORMATION:**

Formation: **Miss**

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

Time Tool Opened: 09:08:36

Time Test Ended: 14:43:51

Test Type: **Conventional Bottom Hole**

Tester: **Nathan Budig**

Unit No: **16**

Interval: **4276.00 ft (KB) To 4335.00 ft (KB) (TVD)**

Total Depth: **4335.00 ft (KB) (TVD)**

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

Reference Elevations: **1485.00 ft (KB)**

**1477.00 ft (CF)**

KB to GR/CF: **8.00 ft**

**Serial #: 3310**

**Inside**

Press@RunDepth: **87.60 psig @ 4277.00 ft (KB)**

Start Date: **2003.08.14**

End Date: **2003.08.14**

Start Time: **07:17:07**

End Time: **14:43:51**

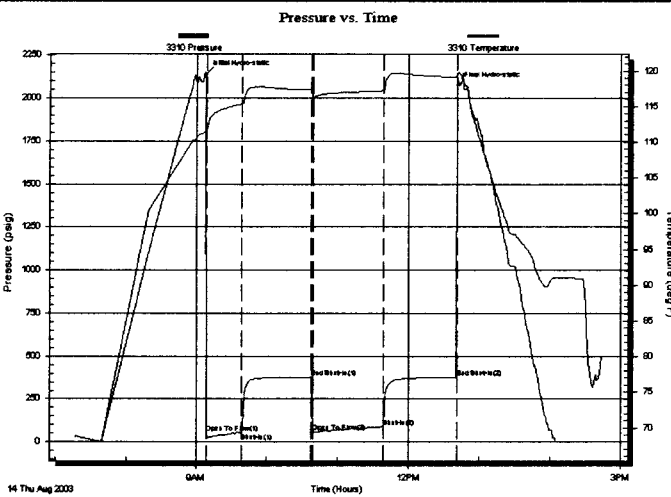
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2003.08.14 @ 09:08:21**

Time Off Btm: **2003.08.14 @ 12:41:06**

**TEST COMMENT:** IF-strong blow : off bottom of bucket in 90 sec. GTS in 20 min.  
IS- no blow  
FF- off bottom of bucket as soon as tool opened: GTS immediatly  
FSI-no blow



**PRESSURE SUMMARY**

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2139.45         | 111.57       | Initial Hydro-static |
| 1           | 52.65           | 111.47       | Open To Flow (1)     |
| 31          | 53.45           | 115.35       | Shut-In(1)           |
| 90          | 377.32          | 117.43       | End Shut-In(1)       |
| 92          | 55.21           | 116.00       | Open To Flow (2)     |
| 150         | 87.60           | 117.18       | Shut-In(2)           |
| 213         | 376.71          | 119.15       | End Shut-In(2)       |
| 213         | 2074.70         | 119.38       | Final Hydro-static   |

**Recovery**

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 150.00      | gassy mud   | 2.10         |
|             | 4125 GIP    | 57.86        |
|             |             |              |
|             |             |              |
|             |             |              |

**Gas Rates**

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

ORIGINAL



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

R&B Oil and Gas Inc.

**Bob #3 Harper KS**

P.O. BOX 185  
Attica, Ks 67009

**4-32s-10W 9**

Job Ticket: 17097

**DST#: 1**

ATTN: Tim Pierce

Test Start: 2003.08.14 @ 07:17:06

**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4275.00 ft | Diameter: 3.80 inches | Volume: 59.97 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 22000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 85000.00 lb  |
|                           |                    |                       | <u>Total Volume: 59.97 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 19.00 ft           |                       |                                | String Weight: Initial 76000.00 lb |
| Depth to Top Packer:      | 4276.00 ft         |                       |                                | Final 76000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 59.00 ft           |                       |                                |                                    |
| Tool Length:              | 79.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

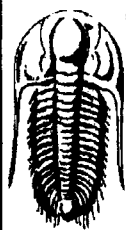
Tool Comments:

**Tool Description**

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4257.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4262.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4267.00    |                               |
| Packer           | 4.00        |            |          | 4271.00    | 20.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4276.00    |                               |
| Stubb            | 1.00        |            |          | 4277.00    |                               |
| Recorder         | 0.00        | 3310       | Inside   | 4277.00    |                               |
| Perforations     | 22.00       |            |          | 4299.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4300.00    |                               |
| Blank Spacing    | 32.00       |            |          | 4332.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4333.00    |                               |
| Recorder         | 0.00        | 10242      | Outside  | 4333.00    |                               |
| Bullnose         | 2.00        |            |          | 4335.00    | 59.00 Bottom Packers & Anchor |

**Total Tool Length: 79.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

R&B Oil and Gas Inc.

**Bob #3 Harper KS**

P.O. BOX 185  
Attica, Ks 67009

**4-32s-10w 9**

Job Ticket: 17097

**DST#: 1**

ATTN: Tim Pierce

Test Start: 2003.08.14 @ 07:17:06

### Mud and Cushion Information

|              |                       |                       |      |                 |          |
|--------------|-----------------------|-----------------------|------|-----------------|----------|
| Mud Type:    | Gel Chem              | Cushion Type:         |      | Oil API:        | deg API  |
| Mud Weight:  | 10.00 lb/gal          | Cushion Length:       | ft   | Water Salinity: | 5000 ppm |
| Viscosity:   | 48.00 sec/qt          | Cushion Volume:       | bbbl |                 |          |
| Water Loss:  | 13.54 in <sup>3</sup> | Gas Cushion Type:     |      |                 |          |
| Resistivity: | 0.00 ohm.m            | Gas Cushion Pressure: | psig |                 |          |
| Salinity:    | 5000.00 ppm           |                       |      |                 |          |
| Filter Cake: | 0.20 inches           |                       |      |                 |          |

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbbl |
|--------------|-------------|----------------|
| 150.00       | gassy mud   | 2.104          |
|              | 4125 GIP    | 57.863         |

Total Length: 150.00 ft      Total Volume: 59.967 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 3310

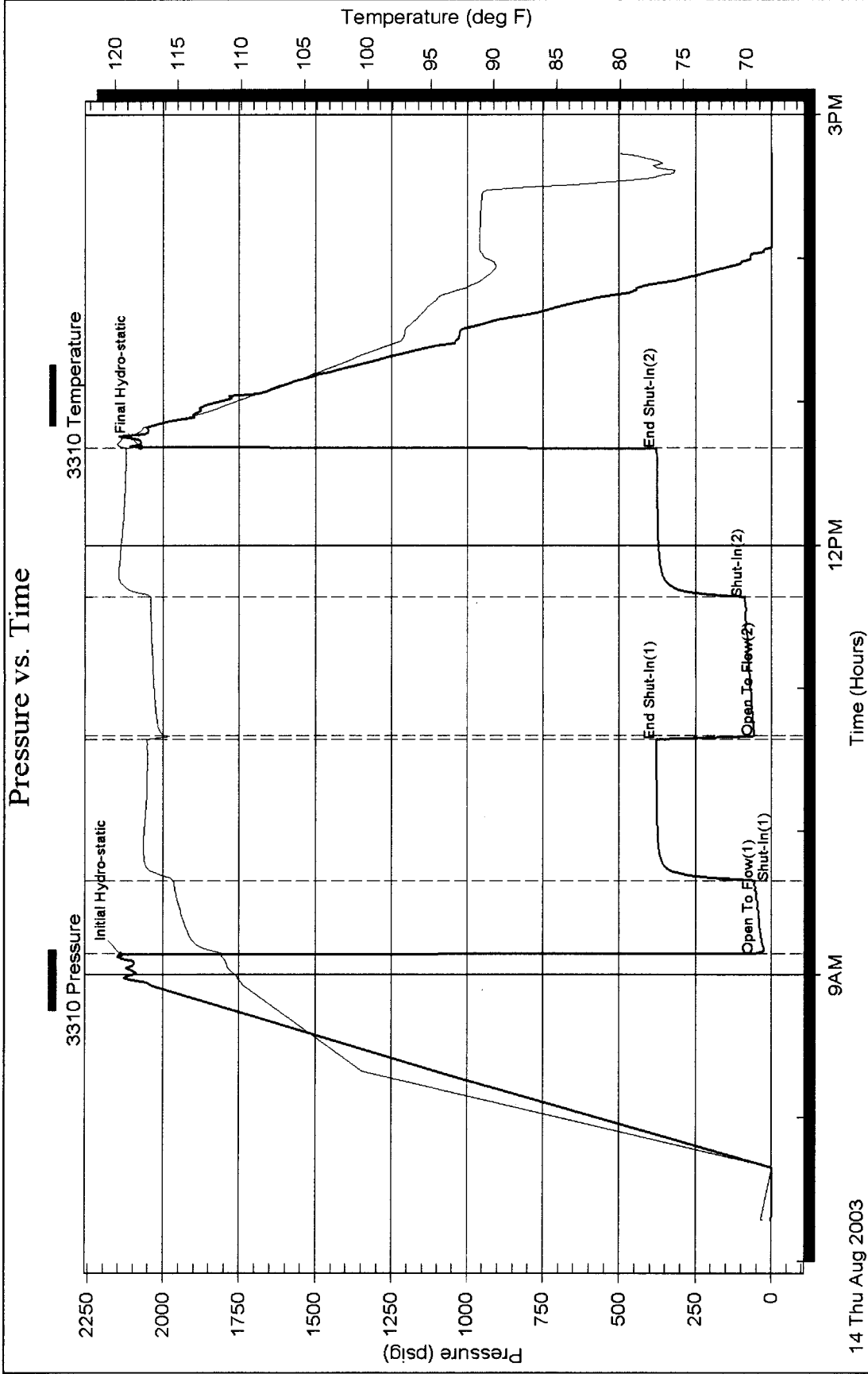
Inside

R&B Oil and Gas Inc.

4-32s-10w

DST Test Number: 1

### Pressure vs. Time



14 Thu Aug 2003

Trilobite Testing, Inc

Ref. No: 17097

Printed: 2003.08.22 @ 11:49:16 Page 5

