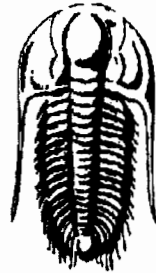


15-065-23271

2-9s-22w



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

## DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352  
Russell KS 67665

ATTN: John O Farmer IV

**2 9S 22W Graham KS**

**Buss H#1**

Start Date: 2007.01.28 @ 06:27:41

End Date: 2007.01.28 @ 12:01:35

Job Ticket #: 25275      DST #: 1

**KCC**  
**MAR 21 2007**  
**CONFIDENTIAL**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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

## DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352  
Russell KS 67665

ATTN: John O Farmer IV

Buss H#1

2 9S 22W Graham KS

Job Ticket: 25275

DST#: 1

Test Start: 2007.01.28 @ 06:27:41

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:20:36

Time Test Ended: 12:01:35

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 28

Interval: **3830.00 ft (KB) To 3855.00 ft (KB) (TVD)**

Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2245.00 ft (KB)

2240.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6753** Inside

Press@RunDepth: 40.33 psig @ 3836.01 ft (KB)

Start Date: 2007.01.28

End Date:

2007.01.28

Start Time: 06:27:41

End Time:

12:01:35

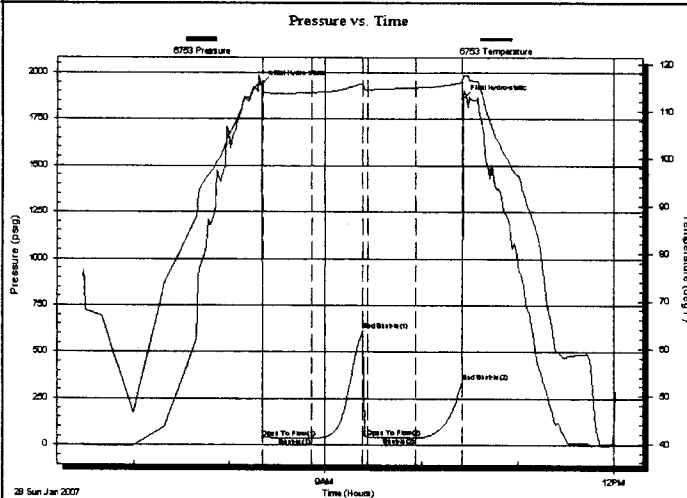
Capacity: 7000.00 psig

Last Calib.: 2007.01.28

Time On Btm: 2007.01.28 @ 08:20:06

Time Off Btm: 2007.01.28 @ 10:25:36

TEST COMMENT: IFP Wk bl thru-out 1/2 " to 1 " bl  
FFP No bl  
Times 30 30 30 30



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1937.51         | 115.91       | Initial Hydro-static |
| 1           | 39.45           | 113.88       | Open To Flow (1)     |
| 32          | 38.79           | 113.89       | Shut-In (1)          |
| 64          | 614.40          | 115.71       | End Shut-In (1)      |
| 66          | 44.88           | 114.51       | Open To Flow (2)     |
| 97          | 40.33           | 114.96       | Shut-In (2)          |
| 125         | 340.39          | 116.06       | End Shut-In (2)      |
| 126         | 1857.50         | 117.52       | Final Hydro-static   |

### Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 10.00       | OCM 7%O 93%M | 0.05         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

John O Farmer Inc

**Buss H#1**

PO Box 352  
Russell KS 67665

**2 9S 22W Graham KS**

Job Ticket: 25275

**DST#: 1**

ATTN: John O Farmer IV

Test Start: 2007.01.28 @ 06:27:41

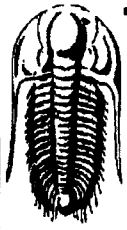
### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3582.00 ft | Diameter: 3.80 inches   | Volume: 50.25 bbl | Tool Weight: 2200.00 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: 240.00 ft  | Diameter: 2.25 inches   | Volume: 1.18 bbl  | Weight to Pull Loose: 60000.00 lb  |
|                           |                    | Total Volume: 51.43 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 13.00 ft           |                         |                   | String Weight: Initial 46000.00 lb |
| Depth to Top Packer:      | 3830.00 ft         |                         |                   | Final 46000.00 lb                  |
| Depth to Bottom Packer:   | 3855.02 ft         |                         |                   |                                    |
| Interval between Packers: | 25.02 ft           |                         |                   |                                    |
| Tool Length:              | 95.03 ft           |                         |                   |                                    |
| Number of Packers:        | 3                  | Diameter: 6.75 inches   |                   |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3810.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3815.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3820.00    |                               |
| Packer           | 5.00        |            |          | 3825.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3830.00    |                               |
| Stubb            | 1.00        |            |          | 3831.00    |                               |
| Perforations     | 5.00        |            |          | 3836.00    |                               |
| Recorder         | 0.01        | 6753       | Inside   | 3836.01    |                               |
| Perforations     | 5.00        |            |          | 3841.01    |                               |
| Recorder         | 0.01        | 13534      | Outside  | 3841.02    |                               |
| Perforations     | 10.00       |            |          | 3851.02    |                               |
| Blank Off Sub    | 1.00        |            |          | 3852.02    |                               |
| Blank Spacing    | 3.00        |            |          | 3855.02    | 25.02 Tool Interval           |
| Packer           | 5.00        |            |          | 3860.02    |                               |
| Stubb            | 1.00        |            |          | 3861.02    |                               |
| Perforations     | 7.00        |            |          | 3868.02    |                               |
| Recorder         | 0.01        | 13547      | Below    | 3868.03    |                               |
| Blank Spacing    | 33.00       |            |          | 3901.03    |                               |
| Bullnose         | 3.00        |            |          | 3904.03    | 49.01 Bottom Packers & Anchor |

**Total Tool Length: 95.03**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

John O Farmer Inc

Buss H#1

PO Box 352  
Russell KS 67665

2 9S 22W Graham KS

Job Ticket: 25275

DST#: 1

ATTN: John O Farmer IV

Test Start: 2007.01.28 @ 06:27:41

### 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: 52.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbl |
|--------------|--------------|---------------|
| 10.00        | OCM 7%O 93%M | 0.049         |

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

