

## DRILL STEM TEST REPORT

Prepared For: **Keith Walker Oil & Gas**

103 West Boyd St  
Norman OK 73069

ATTN: Kelly Tompkins

**28 31 30 Meade KS**

**Little Joe 28-1**

Start Date: 2007.04.19 @ 15:59:07

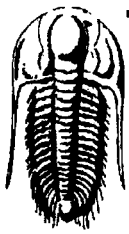
End Date: 2007.04.20 @ 02:48:56

Job Ticket #: 27339                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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**TESTING, INC.**

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Job Ticket: 27339

**DST#: 1**

Test Start: 2007.04.19 @ 15:59:07

### GENERAL INFORMATION:

Formation: **Lansing**

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

Time Tool Opened: 20:18:47

Time Test Ended: 02:48:56

Test Type: **Conventional Bottom Hole**

Tester: **Chris Hagman**

Unit No: **34**

Interval: **4910.00 ft (KB) To 4930.00 ft (KB) (TVD)**

Total Depth: **4930.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2770.00 ft (KB)**

**2760.00 ft (CF)**

KB to GR/CF: **10.00 ft**

**Serial #: 8288**

**Inside**

Press@RunDepth: **345.68 psig @ 4912.00 ft (KB)**

Start Date: **2007.04.19**

End Date:

**2007.04.20**

Start Time: **15:59:07**

End Time:

**02:48:56**

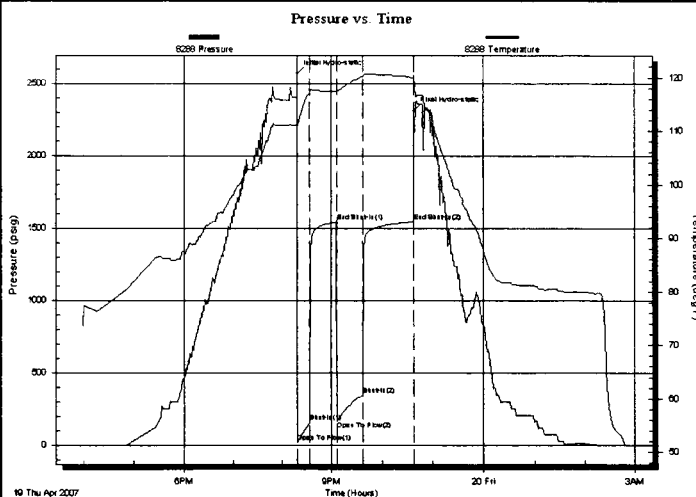
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2007.04.19 @ 20:18:27**

Time Off Btm: **2007.04.19 @ 22:38:16**

TEST COMMENT: IF 8.5 inches in 15 min. fair building blow  
ISI No blow back  
FF 10 inches in 30 min. fair building blow  
FSI No blow back



### PRESSURE SUMMARY

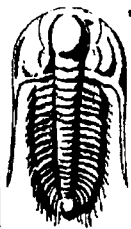
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2568.62         | 111.17       | Initial Hydro-static |
| 1           | 22.99           | 110.65       | Open To Flow (1)     |
| 15          | 162.22          | 117.21       | Shut-In (1)          |
| 48          | 1545.50         | 117.43       | End Shut-In (1)      |
| 48          | 166.43          | 117.26       | Open To Flow (2)     |
| 79          | 345.68          | 120.18       | Shut-In (2)          |
| 140         | 1546.79         | 119.95       | End Shut-In (2)      |
| 140         | 2313.00         | 120.45       | Final Hydro-static   |

### Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 654.00      | Muddy water 95%W 5%M | 3.22         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

### Gas Rates

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



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### TOOL DIAGRAM

Keith Walker Oil & Gas

103 West Boyd St  
Norman OK 73069

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**Little Joe 28-1**

**28 31 30 Meade KS**

Job Ticket: 27339

**DST#: 1**

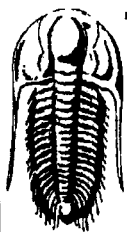
Test Start: 2007.04.19 @ 15:59:07

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 4234.00 ft | Diameter: 3.80 inches | Volume: 59.39 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: 20000.00 lb  |
| Drill Collar:             | Length: 654.00 ft  | Diameter: 2.25 inches | Volume: 3.22 bbl        | Weight to Pull Loose: 120000.0 lb  |
|                           |                    |                       | Total Volume: 62.61 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 9.00 ft            |                       |                         | String Weight: Initial 102000.0 lb |
| Depth to Top Packer:      | 4910.00 ft         |                       |                         | Final 102000.0 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 20.00 ft           |                       |                         |                                    |
| Tool Length:              | 51.00 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        |            |          | 4880.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4885.00    |                               |
| Sampler          | 3.00        |            |          | 4888.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4893.00    |                               |
| Jars             | 5.00        |            |          | 4898.00    |                               |
| Safety Joint     | 3.00        |            |          | 4901.00    |                               |
| Packer           | 5.00        |            |          | 4906.00    | 31.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4910.00    |                               |
| Stubb            | 1.00        |            |          | 4911.00    |                               |
| Perforations     | 1.00        |            |          | 4912.00    |                               |
| Recorder         | 0.00        | 8288       | Inside   | 4912.00    |                               |
| Perforations     | 15.00       |            |          | 4927.00    |                               |
| Recorder         | 0.00        | 13630      | Inside   | 4927.00    |                               |
| Bullnose         | 3.00        |            |          | 4930.00    | 20.00 Bottom Packers & Anchor |

**Total Tool Length: 51.00**



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### FLUID SUMMARY

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**28 31 30 Meade KS**

Job Ticket: 27339

**DST#: 1**

ATTN: Kelly Tompkins

Test Start: 2007.04.19 @ 15:59:07

### 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:

150000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.17 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 |
|--------------|----------------------|---------------|
| 654.00       | Muddy water 95%W 5%M | 3.216         |

Total Length: 654.00 ft

Total Volume:

3.216 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.06@68F=150000ppm

Sampler=4000ml water @ 200psi

DST Test Number: 1

28 31 30 Meade KS

Keith Walker Oil & Gas

Inside

Serial #: 8288

