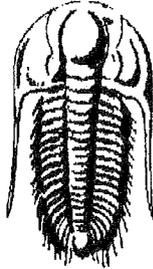


15-007-23209

13-33s-15w

MPD



**TRILOBITE  
TESTING, INC.**

### DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

6209 N K-61 Hwy  
Hutchinson KS 67502

ATTN: Jeff Dale

**13 33 15W Barber KS**

**Osage # 108**

Start Date: 2007.10.26 @ 16:50:50

End Date: 2007.10.27 @ 01:50:50

Job Ticket #: 27980                      DST #: 1

**CONFIDENTIAL**  
27-09

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Osage Resources LLC

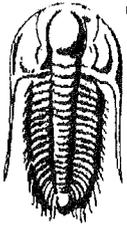
Osage # 108

13 33 15W Barber KS

DST # 1

Viola

2007.10.26



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Osage Resources LLC

**Osage # 108**

6209 N K-61 Hwy  
Hutchinson KS 67502

**13 33 15W Barber KS**

ATTN: Jeff Dale

Job Ticket: 27980

**DST#: 1**

Test Start: 2007.10.26 @ 16:50:50

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:26:20

Time Test Ended: 01:50:50

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 36

**Interval: 5200.00 ft (KB) To 5296.00 ft (KB) (TVD)**

Total Depth: 5296.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1862.00 ft (KB)

1854.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 104.51 psig @ 5202.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.10.26

End Date:

2007.10.27

Last Calib.:

2007.10.27

Start Time: 16:50:55

End Time:

01:50:50

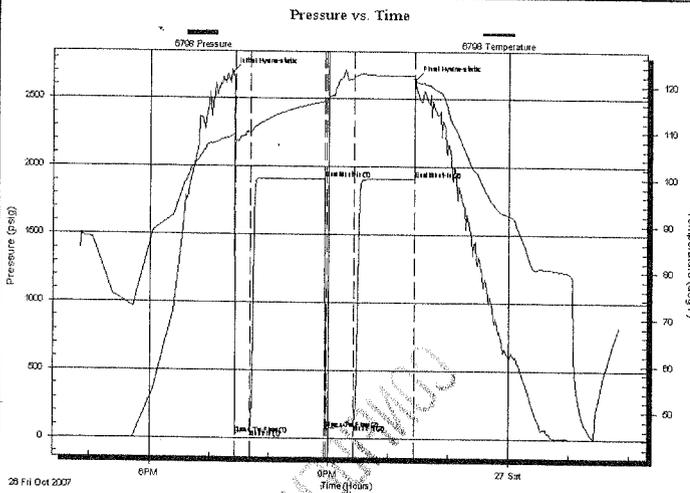
Time On Btm:

2007.10.26 @ 19:23:20

Time Off Btm:

2007.10.26 @ 22:26:50

TEST COMMENT: IF Weak blow Built to 2 "  
ISI No blow  
FF Weak blow Built to 2 "  
FSI No blow



## PRESSURE SUMMARY

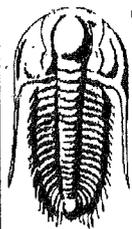
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2691.49	109.27	Initial Hydro-static
3	32.14	108.51	Open To Flow (1)
18	64.86	110.03	Shut-In(1)
94	1912.94	116.60	End Shut-In(1)
95	71.23	116.59	Open To Flow (2)
123	104.51	121.70	Shut-In(2)
183	1911.19	122.23	End Shut-In(2)
184	2645.65	121.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
150.00	SWCM 5%W 95%M	1.54
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Osage Resources LLC

**Osage # 108**

6209 NK-61 Hwy  
Hutchinson KS 67502

**13 33 15W Barber KS**

ATTN: Jeff Dale

Job Ticket: 27980

**DST#: 1**

Test Start: 2007.10.26 @ 16:50:50

## Tool Information

Drill Pipe:	Length: 5136.00 ft	Diameter: 3.80 inches	Volume: 72.04 bbl	Tool Weight: 2600.00 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: 62.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 65000.00 lb
			<b>Total Volume: 72.34 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	5200.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	124.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5177.00	
Hydraulic tool	5.00			5182.00	
Jars	5.00			5187.00	
Safety Joint	3.00			5190.00	
Packer	5.00			5195.00	28.00 Bottom Of Top Packer
Packer	5.00			5200.00	
Stubb	1.00			5201.00	
Change Over Sub	1.00			5202.00	
Recorder	0.00	6798	Inside	5202.00	
Blank Spacing	62.00			5264.00	
Change Over Sub	1.00			5265.00	
Perforations	28.00			5293.00	
Recorder	0.00	13249	Outside	5293.00	
Bullnose	3.00			5296.00	96.00 Bottom Packers & Anchor

**Total Tool Length: 124.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Osage Resources LLC

**Osage # 108**

6209 N K-61 Hwy  
Hutchinson KS 67502

**13 33 15W Barber KS**

Job Ticket: 27980

**DST#: 1**

ATTN: Jeff Dale

Test Start: 2007.10.26 @ 16:50:50

### 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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 15.17 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 ft	Description	Volume bbl
150.00	SWCM 5%W 95%M	1.539
0.00		0.000

Total Length: 150.00 ft

Total Volume: 1.539 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

