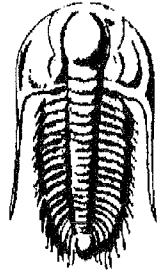


15-101-22154

18-19s-29w



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Abarta Oil & Gas**

**CONFIDENTIAL**

JUN 02 2009

KCC

1000 Gamma Dr.  
Ste 400  
Pittsburgh, PA 15238

ATTN: Scott Alberg

**18-19s-29w Lane KS**

**Anchor Cattle #1**

Start Date: 2009.02.25 @ 15:58:32

End Date: 2009.02.25 @ 21:41:56

Job Ticket #: 33590                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Abarta Oil & Gas

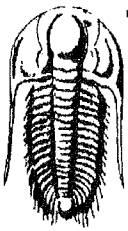
Anchor Cattle #1

18-19s-29w Lane KS

DST # 1

Marraton - Pawnee

2009.02.25



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Abarta Oil & Gas  
1000 Gamma Dr.  
Ste 400  
Pittsburgh, PA 15238  
ATTN: Scott Alberg

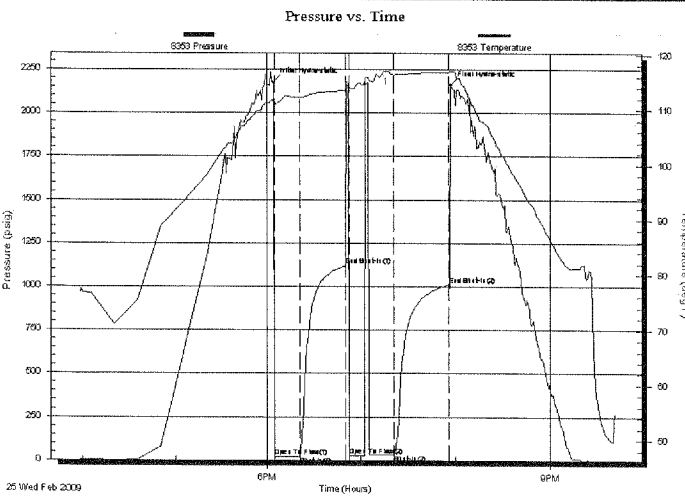
**Anchor Cattle #1**  
**18-19s-29w Lane KS**  
Job Ticket: 33590      **DST#: 1**  
Test Start: 2009.02.25 @ 15:58:32

## GENERAL INFORMATION:

Formation: **Marmaton - Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:04:27  
 Time Test Ended: 21:41:56  
 Interval: **4416.00 ft (KB) To 4509.00 ft (KB) (TVD)**  
 Total Depth: 4509.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Brandon Domsch  
 Unit No: 48  
 Reference Elevations: 2862.00 ft (KB)  
 2857.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8353      Inside**  
 Press@RunDepth: 33.56 psig @ 4417.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2009.02.25      End Date: 2009.02.25      Last Calib.: 2009.02.25  
 Start Time: 15:58:32      End Time: 21:41:56      Time On Btm: 2009.02.25 @ 18:03:57  
 Time Off Btm: 2009.02.25 @ 19:56:57

**TEST COMMENT:** IF: Built to 1/2 inch died back to 1/4 inch.  
 IS: No return.  
 FF: Built to 1/4 inch, Flushed @ 15 mins, built to 3/4 inch died back to 1/2 inch.  
 FS: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.03	111.92	Initial Hydro-static
1	18.87	110.73	Open To Flow (1)
17	20.88	112.32	Shut-In(1)
47	1119.51	113.58	End Shut-In(1)
49	25.39	114.15	Open To Flow (2)
77	33.56	116.42	Shut-In(2)
112	1012.99	116.88	End Shut-In(2)
113	2162.07	116.99	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
35.00	M 100% <sub>fm</sub>	0.49
0.00	GIP 0	0.00

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abarta Oil & Gas  
1000 Gamma Dr.  
Ste 400  
Pittsburgh, PA 15238  
ATTN: Scott Alberg

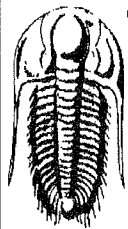
**Anchor Cattle #1**  
**18-19s-29w Lane KS**  
Job Ticket: 33590      **DST#: 1**  
Test Start: 2009.02.25 @ 15:58:32

### Tool Information

Drill Pipe:	Length: 4414.00 ft	Diameter: 3.80 inches	Volume: 61.92 bbl	Tool Weight: 1500.00 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: 70000.00 lb
			<b>Total Volume: 61.92 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4416.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.00 ft			
Tool Length:	121.00 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			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	3.00			4407.00	
Packer	5.00			4412.00	28.00      Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Recorder	0.00	8353	Inside	4417.00	
Recorder	0.00	6741	Inside	4417.00	
Perforations	23.00			4440.00	
Change Over Sub	1.00			4441.00	
Drill Pipe	62.00			4503.00	
Change Over Sub	1.00			4504.00	
Bullnose	5.00			4509.00	93.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>121.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abarta Oil & Gas

**Anchor Cattle #1**

1000 Gamma Dr.  
Ste 400  
Pittsburgh, PA 15238  
ATTN: Scott Alberg

**18-19s-29w Lane KS**

Job Ticket: 33590

**DST#: 1**

Test Start: 2009.02.25 @ 15:58:32

## 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	M 100% <sub>m</sub>	0.491
0.00	GIP 0	0.000

Total Length: 35.00 ft      Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8353

Inside

Abarca Oil & Gas

18-19s-29w Lane KS

DST Test Number: 1

### Pressure vs. Time

