

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ares Energy**

303 Wall St. Suite 900
Midland TX 79701

ATTN: Kevin Wilson

3 33 19 Commanche KS
W
Webster 3-15

Start Date: 2006.12.03 @ 22:14:09

End Date: 2006.12.04 @ 11:19:24

Job Ticket #: 25881 DST #: 1

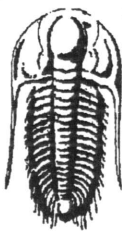
SW SE

660 FSL 1980 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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Job Ticket: 25881

DST#: 1

Test Start: 2006.12.03 @ 22:14:09

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 02:33:23

Time Test Ended: 11:19:24

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **5220.00 ft (KB) To 5311.00 ft (KB) (TVD)**

Total Depth: **5311.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1946.00 ft (KB)**

1936.00 ft (CF)

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

Serial #: 6668

Inside

Press@RunDepth: **34.98 psig @ 5220.00 ft (KB)**

Start Date: **2006.12.03**

End Date:

2006.12.04

Start Time: **22:14:14**

End Time:

11:19:24

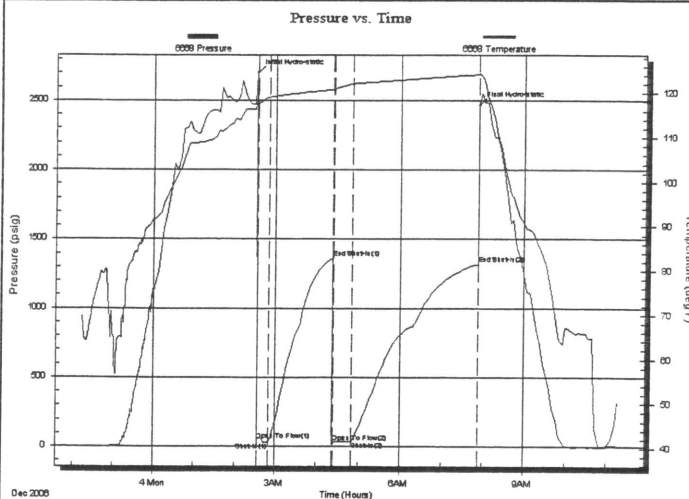
Capacity: **7000.00 psig**

Last Calib.: **2006.12.04**

Time On Btm: **2006.12.04 @ 02:33:08**

Time Off Btm: **2006.12.04 @ 07:53:39**

TEST COMMENT: IF Weakblow Building to 4 " in 15 mins.
ISI Bled off No blow back
FF Strong low Building to 9 " in 30 mins.
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2696.53	118.05	Initial Hydro-static
1	39.58	117.49	Open To Flow (1)
18	25.10	119.07	Shut-In (1)
110	1359.44	120.83	End Shut-In (1)
111	28.80	120.98	Open To Flow (2)
139	34.98	122.12	Shut-In (2)
321	1317.89	124.21	End Shut-In (2)
321	2462.69	124.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
47.00	Drilling Mud 100%Mud	0.66

Gas Rates

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

Ares Energy

Webster 3-15

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DST#: 1

ATTN: Kevin Wilson

Test Start: 2006.12.03 @ 22:14:09

Tool Information

Drill Pipe:	Length: 5195.00 ft	Diameter: 3.80 inches	Volume: 72.87 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
		Total Volume:	72.87 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5220.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	119.00 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			5197.00	
Hydraulic tool	5.00			5202.00	
Jars	5.00			5207.00	
Safety Joint	3.00			5210.00	
Packer	5.00			5215.00	28.00 Bottom Of Top Packer
Packer	5.00			5220.00	
Recorder	0.00	6668	Inside	5220.00	
Perforations	15.00			5235.00	
Change Over Sub	0.50			5235.50	
Drill Pipe	62.00			5297.50	
Change Over Sub	0.50			5298.00	
Perforations	10.00			5308.00	
Recorder	0.00	13266	Outside	5308.00	
Bullnose	3.00			5311.00	91.00 Bottom Packers & Anchor

Total Tool Length: 119.00



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FLUID SUMMARY

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DST#: 1

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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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
47.00	Drilling Mud 100%Mud	0.659

Total Length: 47.00 ft Total Volume: 0.659 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

