

DRILL STEM TEST REPORT

Prepared For: **Ares Energy**

303 Wall St Ste 900
Midland TX 79701

ATTN: Justin

27 17 10 Ellsworth K

Schepmann 5-27

Start Date: 2007.01.02 @ 04:05:04

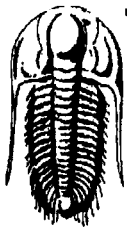
End Date: 2007.01.02 @ 12:43:34

Job Ticket #: 26889 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.

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Job Ticket: 26889 **DST#: 1**
Test Start: 2007.01.02 @ 04:05:04

GENERAL INFORMATION:

Formation: **Arb**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 06:21:34
Time Test Ended: 12:43:34

Test Type: **Conventional Bottom Hole**
Tester: **Michael Armbrister**
Unit No: **28**

Interval: **3320.00 ft (KB) To 3340.00 ft (KB) (TVD)**
Total Depth: **3340.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1847.00 ft (KB)**
1840.00 ft (CF)
KB to GR/CF: **7.00 ft**

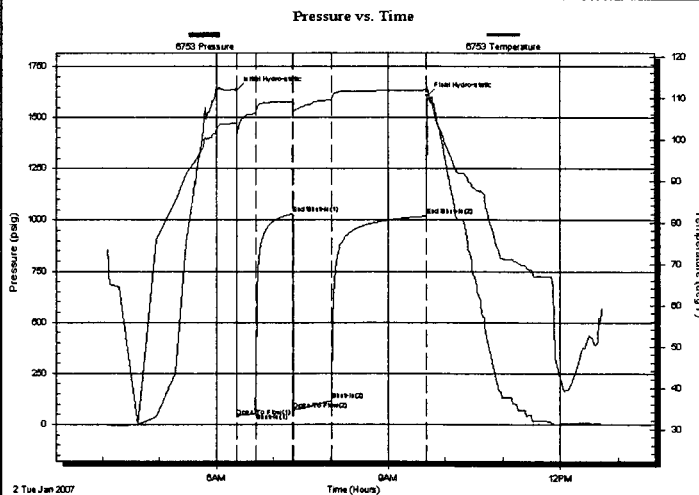
Serial #: 6753

Inside

Press@RunDepth: **115.57 psig @ 3322.01 ft (KB)**
Start Date: **2007.01.02** End Date: **2007.01.02**
Start Time: **04:05:09** End Time: **12:43:34**

Capacity: **7000.00 psig**
Last Calib.: **2007.01.02**
Time On Btm: **2007.01.02 @ 06:21:04**
Time Off Btm: **2007.01.02 @ 09:41:34**

TEST COMMENT: IF B of B 19 m
ISI Surface blow died 17 m
FF B of B 31 m
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.70	103.87	Initial Hydro-static
1	38.30	101.48	Open To Flow (1)
20	55.01	106.19	Shut-In(1)
59	1030.80	109.01	End Shut-In(1)
60	72.63	107.09	Open To Flow (2)
100	115.57	109.45	Shut-In(2)
200	1020.29	111.91	End Shut-In(2)
201	1604.92	112.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud cut Oil 35%O 65%M	0.34
100.00	SMCO 20%M 80%O	0.49
100.00	Clean Oil	1.02

Gas Rates

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

Ares Energy

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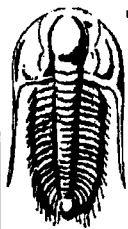
Test Start: 2007.01.02 @ 04:05:04

Tool Information

Drill Pipe:	Length: 3145.00 ft	Diameter: 3.34 inches	Volume: 34.08 bbl	Tool Weight:	20000.00 lb
Heavy Wt. Pipe:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose:	41000.00 lb
			Total Volume: 34.97 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3320.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.02 ft				
Tool Length:	48.02 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			3293.00	
Shut In Tool	5.00			3298.00	
Hydraulic tool	5.00			3303.00	
Jars	5.00			3308.00	
Safety Joint	2.00			3310.00	
Packer	5.00			3315.00	28.00 Bottom Of Top Packer
Packer	5.00			3320.00	
Stubb	1.00			3321.00	
Perforations	1.00			3322.00	
Recorder	0.01	6753	Inside	3322.01	
Perforations	15.00			3337.01	
Recorder	0.01	13534	Outside	3337.02	
Bullnose	3.00			3340.02	20.02 Bottom Packers & Anchor

Total Tool Length: 48.02



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud cut Oil 35%O 65%M	0.344
100.00	SMCO 20%M 80%O	0.492
100.00	Clean Oil	1.024

Total Length: 270.00 ft

Total Volume: 1.860 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

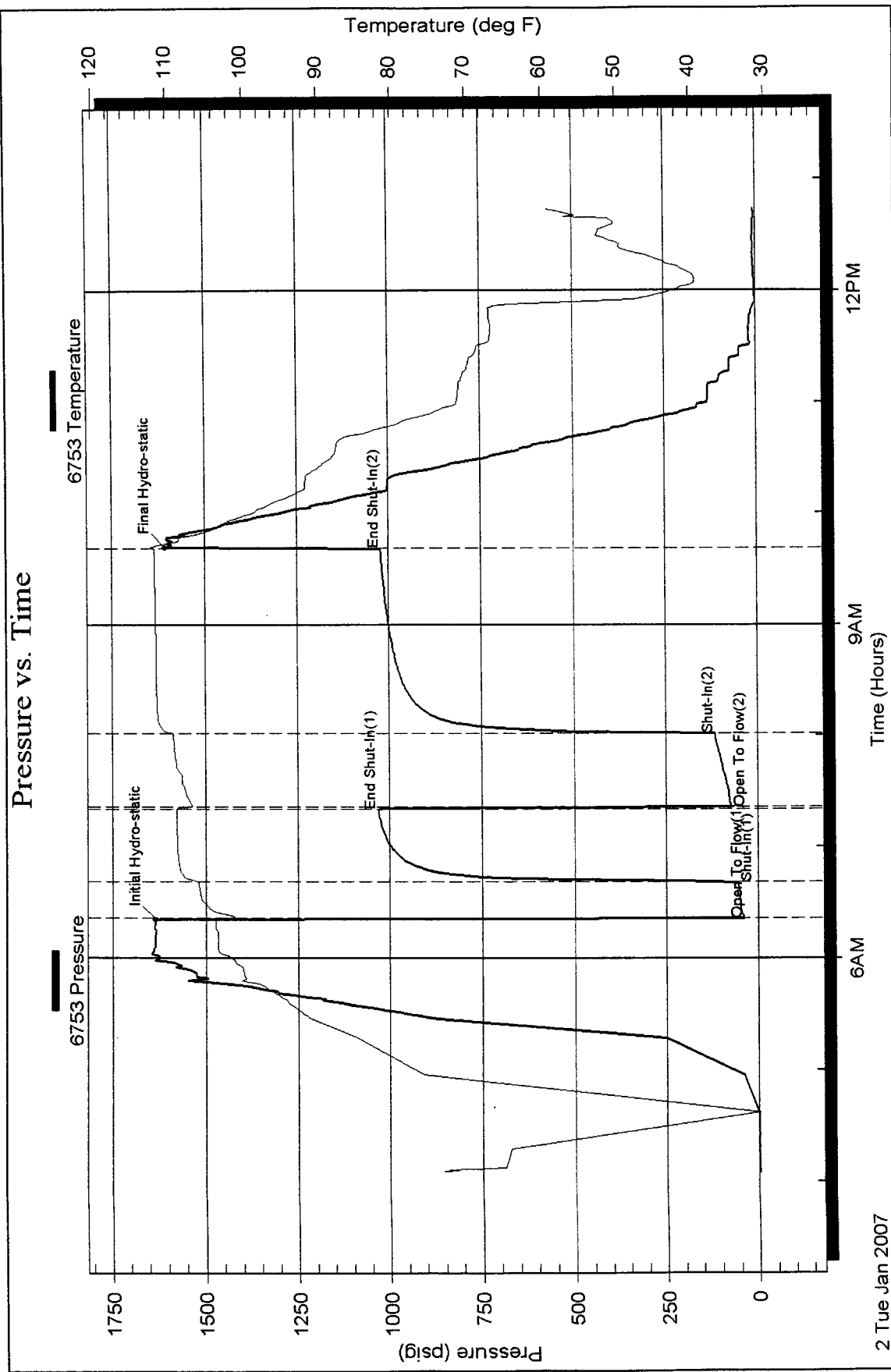


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

