

DRILL STEM TEST REPORT

Prepared For: **Ares Energy**

303 W Wall St Ste 900
Midland TX 79701

ATTN: Justin

27 17 10W Ellsworth

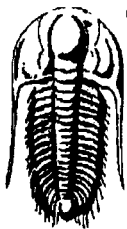
Shepmann 6-27

Start Date: 2007.06.10 @ 16:46:33

End Date: 2007.06.11 @ 03:59:03

Job Ticket #: 27943 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.

DRILL STEM TEST REPORT

Ares Energy

303 W Wall St Ste 900
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Job Ticket: 27943

DST#: 1

Test Start: 2007.06.10 @ 16:46:33

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:55:03

Time Test Ended: 03:59:03

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3332.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Total Depth: 3350.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1848.00 ft (KB)

1840.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668 Inside

Press@RunDepth: 115.11 psig @ 3332.00 ft (KB)

Start Date: 2007.06.10

End Date:

2007.06.11

Capacity: 7000.00 psig

Last Calib.: 2007.06.11

Start Time: 16:46:38

End Time:

03:59:03

Time On Btm: 2007.06.10 @ 20:54:48

Time Off Btm: 2007.06.11 @ 01:20:03

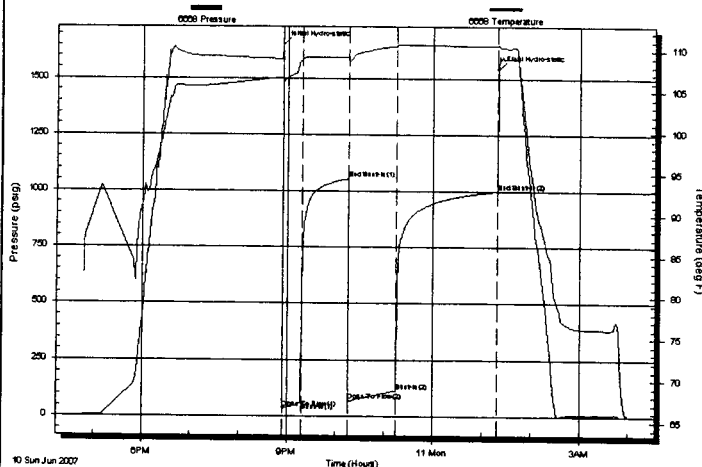
TEST COMMENT: IF Weak blow Building to 5 " in 20 mins.

ISI Bled off No blow back

FF Weak blow BOB in 45 mins.

FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

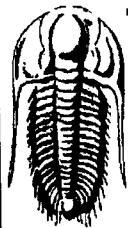
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1648.72	106.73	Initial Hydro-static
1	38.10	105.85	Open To Flow (1)
23	59.97	108.66	Shut-In (1)
81	1052.86	109.13	End Shut-In (1)
81	70.29	108.83	Open To Flow (2)
141	115.11	110.42	Shut-In (2)
265	998.05	110.56	End Shut-In (2)
266	1541.21	110.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
53.00	Gasy Oil 20%G 80%O	0.26
53.00	Gasy Muddy Oil 10%G 60%O 30%M	0.26
53.00	Gasy Oil cut Mud 2%G 4%O 94%M	0.26
53.00	GWM w/scum of Oil 2%G 8%W 90%M	0.26

Gas Rates

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

Ares Energy

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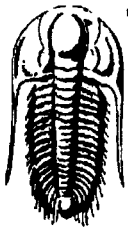
DST#: 1

Test Start: 2007.06.10 @ 16:46:33

Tool Information

Drill Pipe:	Length: 3053.00 ft	Diameter: 2.80 inches	Volume: 23.25 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 58.00 ft	Diameter: 2.25 inches	Volume: 0.29 bbl	Weight to Pull Loose: 42000.00 lb
		Total Volume:	24.59 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3332.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 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			3309.00	
Hydraulic tool	5.00			3314.00	
Jars	5.00			3319.00	
Safety Joint	3.00			3322.00	
Packer	5.00			3327.00	28.00 Bottom Of Top Packer
Packer	5.00			3332.00	
Recorder	0.00	6668	Inside	3332.00	
Perforations	15.00			3347.00	
Recorder	0.00	13266	Outside	3347.00	
Bullnose	3.00			3350.00	18.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



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FLUID SUMMARY

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DST#: 1

ATTN: Justin

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 9.18 in³

Resistivity: 0.60 ohm.m

Salinity: 4800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

11000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
53.00	Gasy Oil 20%G 80%O	0.261
53.00	Gasy Muddy Oil 10%G 60%O 30%M	0.261
53.00	Gasy Oil cut Mud 2%G 4%O 94%M	0.261
53.00	GWM w/scum of Oil 2%G 8%W 90%M	0.261

Total Length: 212.00 ft

Total Volume: 1.044 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

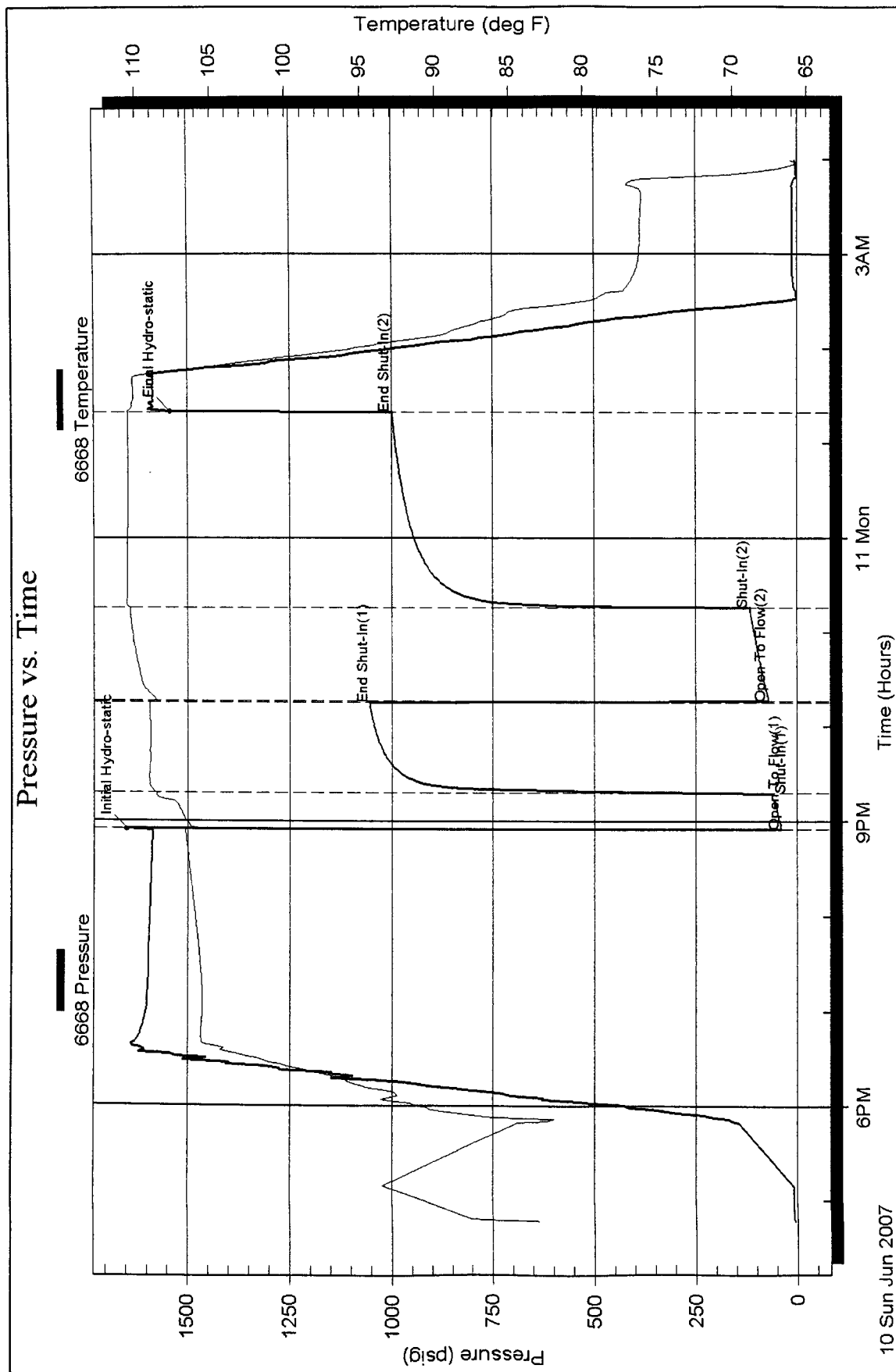


CHART PAGE

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

TK 4 27943

Shepherd

Geo Energy

