

DRILL STEM TEST REPORT

Prepared For: **Ares Energy**

303 W Wall St Ste 900
Midland TX 79701

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 17 2008

ATTN: Justin Carter

CONSERVATION DIVISION
WICHITA, KS

^W
36 32 19 Commanche K

Cary #36-10

Start Date: 2007.11.09 @ 13:13:20

End Date: 2007.11.09 @ 22:13:52

Job Ticket #: 28133 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Ares Energy
303 W Wall St Ste 900
Midland TX 79701
ATTN: Justin Carter

Cary #36-10
36 32 19 Commanche K
Job Ticket: 28133 **DST#: 1**
Test Start: 2007.11.09 @ 13:13:20

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 15:51:07

Time Test Ended: 22:13:52

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushenbery**

Unit No: **30**

Interval: **5162.00 ft (KB) To 5222.00 ft (KB) (TVD)**

Total Depth: **5222.00 ft (KB) (TVD)**

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

Reference Elevations: **2063.00 ft (KB)**

2053.00 ft (CF)

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

Serial #: 6668 **Inside**

Press@RunDepth: **61.51 psig @ 5162.00 ft (KB)**

Start Date: **2007.11.09**

End Date: **2007.11.09**

Capacity: **7000.00 psig**

Last Calib.: **2007.11.09**

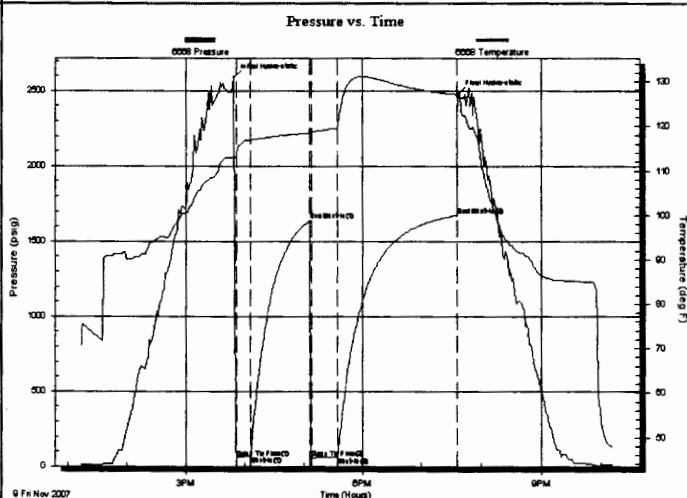
Start Time: **13:13:25**

End Time: **22:13:52**

Time On Btm: **2007.11.09 @ 15:49:07**

Time Off Btm: **2007.11.09 @ 19:37:37**

TEST COMMENT: IF Strong blow BOB in 20 secs.
ISI Bled off No blow back
FF Strong blow BOB immediately GTS in 2 mins. TSTM
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2590.35	112.74	Initial Hydro-static
2	56.19	113.53	Open To Flow (1)
17	69.64	116.83	Shut-In(1)
77	1636.94	118.48	End Shut-In(1)
79	56.56	118.55	Open To Flow (2)
106	61.51	119.51	Shut-In(2)
227	1673.23	127.10	End Shut-In(2)
229	2481.37	126.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GM 6%G 94%M	0.30
60.00	GM 6%G 94%M	0.30
60.00	GM 4%G 96%M	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ares Energy

Cary #36-10

303 W Wall St Ste 900
Midland TX 79701

36 32 19 Commanche K

Job Ticket: 28133

DST#: 1

ATTN: Justin Carter

Test Start: 2007.11.09 @ 13:13:20

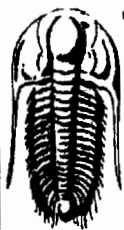
Tool Information

Drill Pipe:	Length: 4981.00 ft	Diameter: 3.80 inches	Volume: 69.87 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	100000.0 lb
			Total Volume: 70.77 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	84000.00 lb
Depth to Top Packer:	5162.00 ft			Final	84000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	88.00 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			5139.00	
Hydraulic tool	5.00			5144.00	
Jars	5.00			5149.00	
Safety Joint	3.00			5152.00	
Packer	5.00			5157.00	28.00 Bottom Of Top Packer
Packer	5.00			5162.00	
Recorder	0.00	8359	Inside	5162.00	
Recorder	0.00	6668	Inside	5162.00	
Perforations	6.00			5168.00	
Change Over Sub	1.00			5169.00	
Drill Pipe	32.00			5201.00	
Change Over Sub	1.00			5202.00	
Perforations	17.00			5219.00	
Bullnose	3.00			5222.00	60.00 Bottom Packers & Anchor

Total Tool Length: 88.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ares Energy

Cary #36-10

303 W Wall St Ste 900
Midland TX 79701

36 32 19 Commanche K

Job Ticket: 28133

DST#: 1

ATTN: Justin Carter

Test Start: 2007.11.09 @ 13:13:20

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GM 6%G 94%M	0.305
60.00	GM 6%G 94%M	0.295
60.00	GM 4%G 96%M	0.295

Total Length: 182.00 ft

Total Volume: 0.895 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

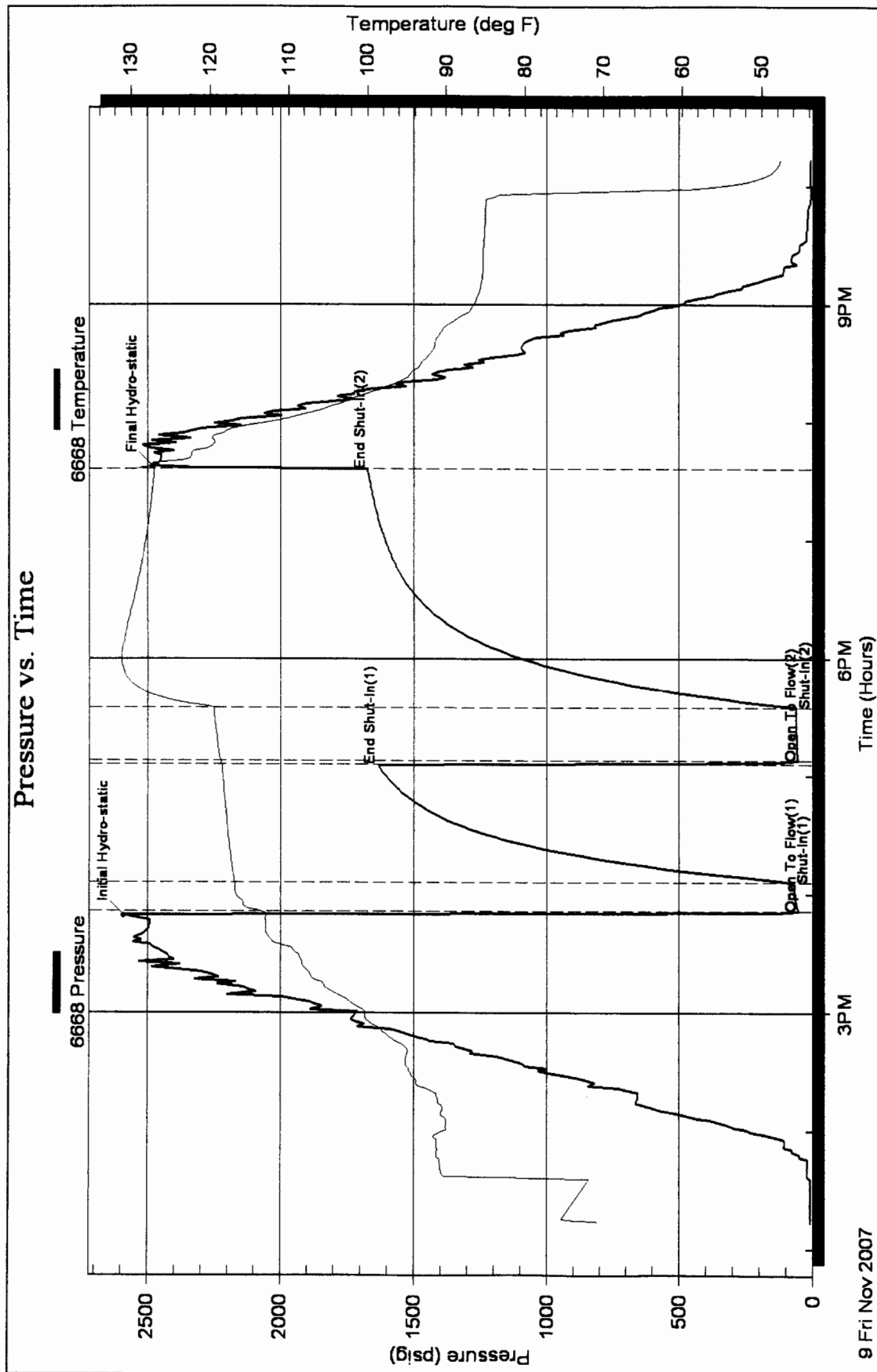
Serial #: 6668

Inside Ares Energy

36 32 19 Comanche K

DST Test Number: 1

Pressure vs. Time



Ref. No: 28133

Trilobite Testing, Inc

Printed: 2007.11.14 @ 12:02:28 Page 5