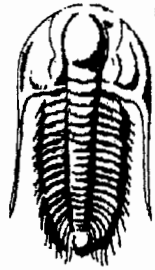


22-16s-7w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Rupe Oil Co.**

PO Box 783010
Wichita, Ks. 67278

ATTN: Jim Musgrove

22-16s-7w-Ellsworth

Kanopolis #1-22

Kanopolis Federal

Start Date: 2005.06.09 @ 01:17:53

End Date: 2005.06.09 @ 07:58:08

Job Ticket #: 22851 DST #: 1

15-053-21140-00-00

*1810 FSL 320 FWL
NE SW NW SW*

RECEIVED
FEB 09 2005
KCC WICHITA

Rupe Oil Co.

Kanopolis #1-22

22-16s-7w-Ellsworth

DST # 1

Winfield-

2005.06.09

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Rupe Oil Co.

Kanopolis #1-22

PO Box 783010
Wichita, Ks. 67278

22-16s-7w-Ellsworth

Job Ticket: 22851

DST#: 1

ATTN: Jim Musgrove

Test Start: 2005.06.09 @ 01:17:53

GENERAL INFORMATION:

Formation: **Winfield-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:57:53

Time Test Ended: 07:58:08

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **1000.00 ft (KB) To 1096.00 ft (KB) (TVD)**

Total Depth: 1096.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1562.00 ft (KB)

1549.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6741

Inside

Press@RunDepth: 146.34 psig @ 1004.00 ft (KB)

Start Date: 2005.06.09

End Date:

2005.06.09

Capacity: 7000.00 psig

Last Calib.:

2005.06.09

Start Time: 01:17:55

End Time:

07:58:08

Time On Btrm: 2005.06.09 @ 02:57:23

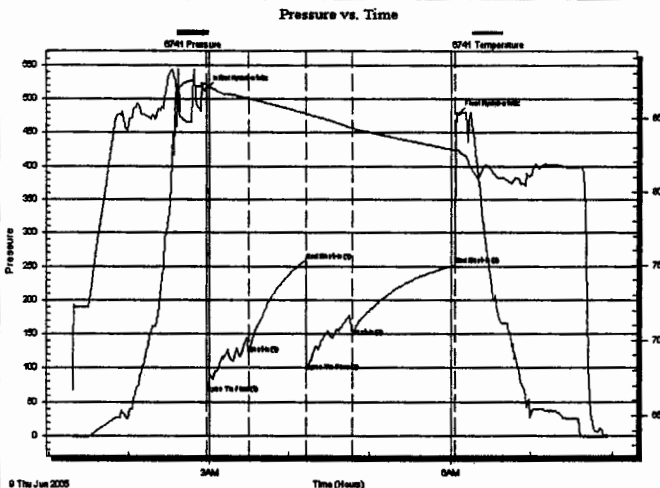
Time Off Btrm: 2005.06.09 @ 06:04:53

TEST COMMENT: IFP-Fair Blow ,BOB in 20 Min.

ISI-Dead

FFP-Weak Blow ,Built to 1-1/4"

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	514.18	87.28	Initial Hydro-static
1	62.23	87.17	Open To Flow (1)
32	120.88	86.27	Shut-in(1)
76	257.60	85.30	End Shut-in(1)
76	94.39	85.25	Open To Flow (2)
110	146.34	84.31	Shut-in(2)
186	251.86	82.81	End Shut-in(2)
188	477.70	82.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Mud W/Oil Spots in Tool	0.17

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rupe Oil Co.

Kanopolis #1-22

PO Box 783010
Wichita, Ks. 67278

22-16s-7w-Ellsworth

Job Ticket: 22851

DST#: 1

ATTN: Jim Musgrove

Test Start: 2005.06.09 @ 01:17:53

Tool Information

Drill Pipe:	Length: 752.00 ft	Diameter: 2.69 inches	Volume: 5.29 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 32000.00 lb
			<u>Total Volume: 6.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	1000.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	117.00 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			980.00	
Shut In Tool	5.00			985.00	
Hydraulic tool	5.00			990.00	
Packer	5.00			995.00	21.00 Bottom Of Top Packer
Packer	5.00			1000.00	
Stubb	1.00			1001.00	
Perforations	3.00			1004.00	
Recorder	0.00	6741	Inside	1004.00	
Change Over Sub	1.00			1005.00	
Blank Spacing	62.00			1067.00	
Change Over Sub	1.00			1068.00	
Perforations	25.00			1093.00	
Recorder	0.00	13221	Outside	1093.00	
Bullnose	3.00			1096.00	96.00 Bottom Packers & Anchor

Total Tool Length: 117.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Rupe Oil Co.

Kanopolis #1-22

PO Box 783010
Wichita, Ks. 67278

22-16s-7w-Ellsworth

Job Ticket: 22851

DST#: 1

ATTN: Jim Musgrove

Test Start: 2005.06.09 @ 01:17:53

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: 29.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 177000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	Mud W/Oil Spots in Tool	0.172

Total Length: 35.00 ft Total Volume: 0.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

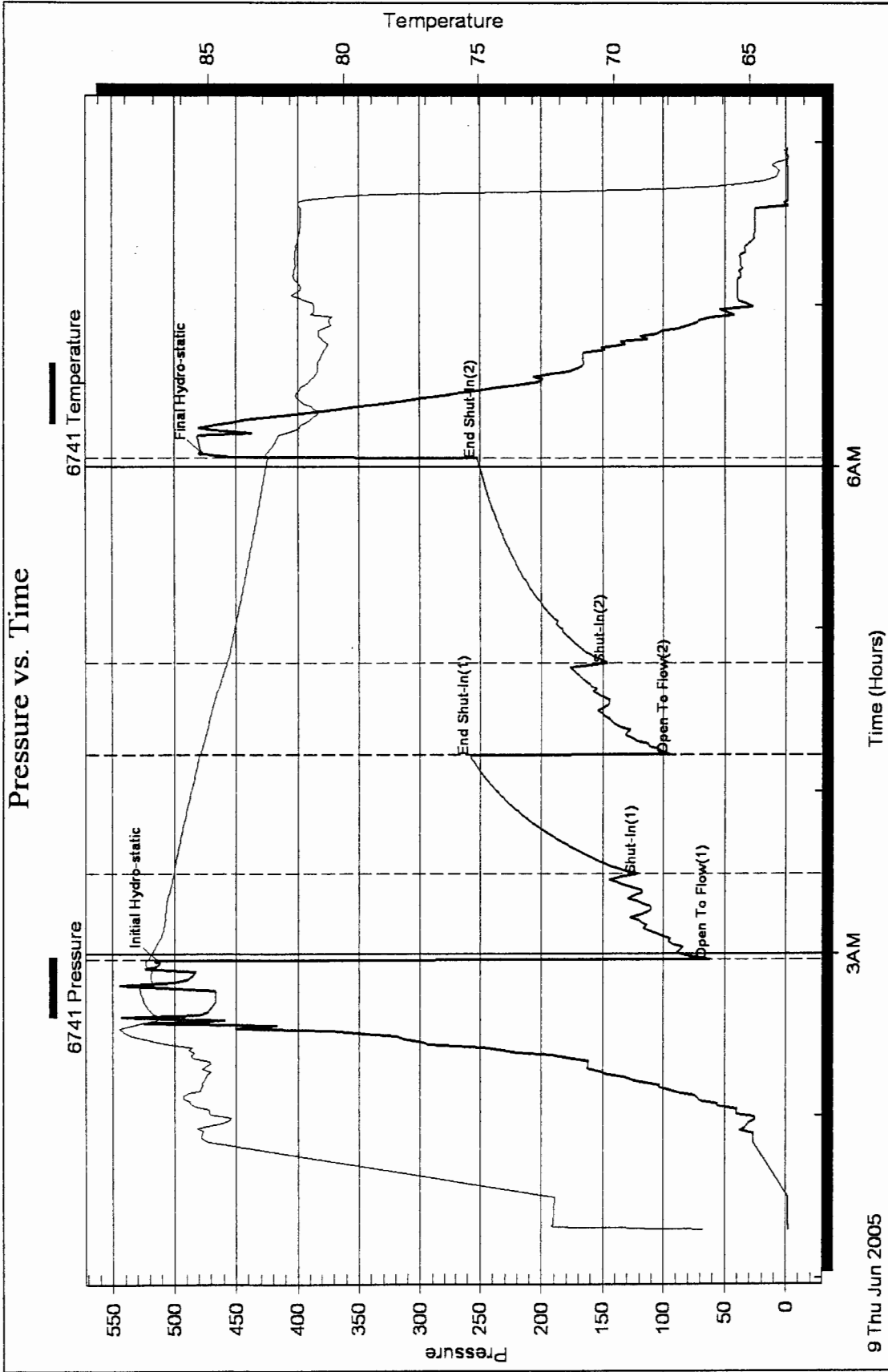
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



9 Thu Jun 2005

3AM

6AM



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Rupe Oil Co.**

PO Box 783010
Wichita, Ks. 67278

ATTN: Jim Musgrove

22-16s-7w-Ellsworth

Kanopolis #1-22

Start Date: 2005.06.11 @ 06:40:43

End Date: 2005.06.11 @ 13:31:13

Job Ticket #: 22852 DST #: 2

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rupe Oil Co.

Kanopolis #1-22

PO Box 783010
Wichita, Ks. 67278

22-16s-7w-Ellsworth

Job Ticket: 22852

DST#: 2

ATTN: Jim Musgrove

Test Start: 2005.06.11 @ 06:40:43

Tool Information

Drill Pipe:	Length: 1431.00 ft	Diameter: 2.69 inches	Volume: 10.06 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 36000.00 lb
			<u>Total Volume: 11.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	1743.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	58.00 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			1723.00	
Shut In Tool	5.00			1728.00	
Hydraulic tool	5.00			1733.00	
Packer	5.00			1738.00	21.00 Bottom Of Top Packer
Packer	5.00			1743.00	
Stubb	1.00			1744.00	
Perforations	3.00			1747.00	
Recorder	0.00	6741	Inside	1747.00	
Perforations	30.00			1777.00	
Recorder	0.00	13252	Outside	1777.00	
Bullnose	3.00			1780.00	37.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Rupe Oil Co.

Kanopolis #1-22

PO Box 783010
Wichita, Ks. 67278

22-16s-7w-Ellsworth

Job Ticket: 22852

DST#: 2

ATTN: Jim Musgrove

Test Start: 2005.06.11 @ 06:40:43

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 1

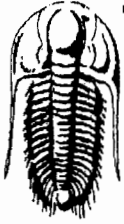
Num Gas Bombs: 1

Serial #: 10

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Rupe Oil Co.

Kanopolis #1-22

PO Box 783010
Wichita, Ks. 67278

22-16s-7w-Ellsworth

Job Ticket: 22852

DST#: 2

ATTN: Jim Musgrove

Test Start: 2005.06.11 @ 06:40:43

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	0.50	6.00	137.61
1	5	0.50	6.00	137.61
1	10	0.50	12.00	178.09
1	15	0.50	15.00	198.32
1	20	0.50	17.00	211.82
1	25	0.50	17.50	215.19
1	30	0.50	18.00	218.56
2	5	0.50	24.00	259.04
2	10	0.50	25.00	265.78
2	15	0.50	25.00	265.78
2	20	0.50	25.00	265.78
2	25	0.50	25.00	265.78
2	30	0.50	25.00	265.78
2	35	0.50	25.00	265.78
2	40	0.50	25.00	265.78

DST Test Number: 2

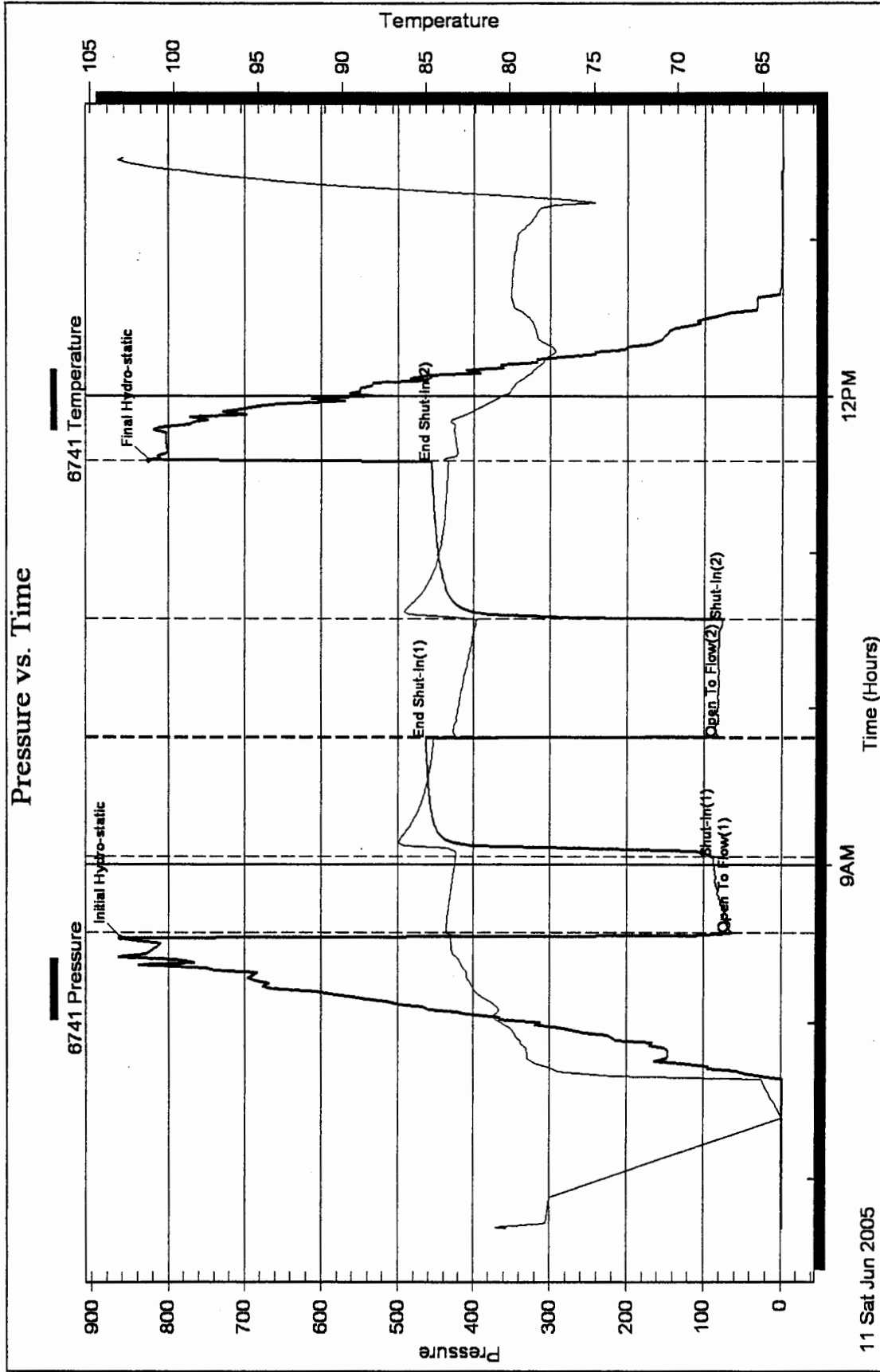
22-16s-7w-Elsw orth

Rupe Oil Co.

Inside

Serial #: 6741

Pressure vs. Time



11 Sat Jun 2005

12PM

9AM

Time (Hours)