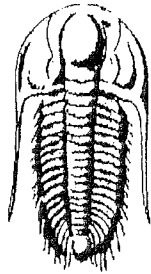


2-31s-8w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **MTM Petroleum, Inc**

P.O. Box 82
Spivey, KS 67124

ATTN: Jerry Smith

2-31-8w Harper

Fryar #4

Start Date: 2004.06.14 @ 07:12:39

End Date: 2004.06.14 @ 15:29:59

Job Ticket #: 19671

DST #: 1

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API 15 077-214866-00-00
C W2 NW NE
660 FNL 2970 FWL

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

MTM Petroleum, Inc

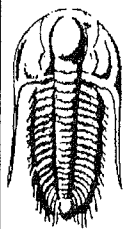
Fryar #4

2-31-8w Harper

DST # 1

Mississippi

2004.06.14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

MTM Petroleum, Inc

P.O. Box 82
Spivey, KS 67124

ATTN: Jerry Smith

Fryar #4

2-31-8w Harper

Job Ticket: 19671

DST#: 1

Test Start: 2004.06.14 @ 07:12:39

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:47:29

Time Test Ended: 15:29:59

Test Type: Conventional Bottom Hole

Tester: Nathan

Unit No: 20

Interval: 4400.00 ft (KB) To 4420.00 ft (KB) (TVD)

Total Depth: 4420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1665.00 ft (KB)

1660.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6647

Inside

Press@RunDepth: 79.69 psig @ 4401.00 ft (KB)

Start Date: 2004.06.14

End Date: 2004.06.14

Start Time: 07:12:49

End Time: 15:29:58

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.06.14 @ 09:46:19

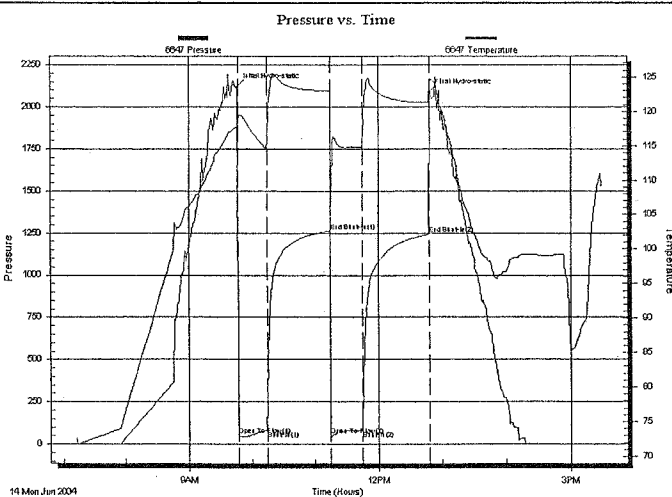
Time Off Btm: 2004.06.14 @ 12:47:59

TEST COMMENT: IF- Strong blow O.B.B. in 20 seconds; GTS in 8 1/2 minutes

IS- No blow

FF- Strong blow O.B.B. ASAT opened

FS- No blow



PRESSURE SUMMARY

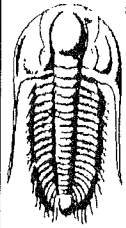
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.68	117.73	Initial Hydro-static
2	49.94	118.75	Open To Flow (1)
29	81.91	114.50	Shut-In (1)
89	1261.13	123.06	End Shut-In (1)
89	49.89	104.88	Open To Flow (2)
119	79.69	114.73	Shut-In (2)
182	1240.97	121.37	End Shut-In (2)
182	2085.22	124.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
154.00	Mud 100% mud	0.76
62.00	GWCM 24% gas 16% water 60% mud	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	27.60
Last Gas Rate	0.38	19.50	124.18
Max. Gas Rate	0.25	28.50	68.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

MTM Petroleum, Inc

Fryar #4

P.O. Box 82
Spivey, KS 67124

2-31-8w Harper

Job Ticket: 19671

DST#: 1

ATTN: Jerry Smith

Test Start: 2004.06.14 @ 07:12:39

Tool Information

Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	82000.00 lb
		Total Volume:	59.19 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	4400.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

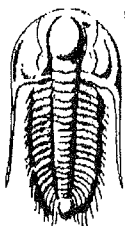
Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4374.00	
Shut In Tool	5.00			4379.00	
Hydraulic tool	5.00			4384.00	
Jars	5.00			4389.00	
Safety Joint	2.00			4391.00	
Packer	4.00			4395.00	27.00 Bottom Of Top Packer
Packer	5.00			4400.00	
Stubb	1.00			4401.00	
Recorder	0.00	6647	Inside	4401.00	
Perforations	16.00			4417.00	
Recorder	0.00	13630	Outside	4417.00	
Bullnose	3.00			4420.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

MTM Petroleum, Inc

Fryar #4

P.O. Box 82
Spivey, KS 67124

2-31-8w Harper

Job Ticket: 19671

DST#: 1

ATTN: Jerry Smith

Test Start: 2004.06.14 @ 07:12:39

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:

14000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
154.00	Mud 100% mud	0.757
62.00	GWCM 24% gas 16% water 60% mud	0.305

Total Length: 216.00 ft

Total Volume: 1.062 bbl

Num Fluid Samples: 0

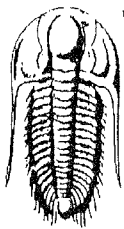
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

MTM Petroleum, Inc

Fryar #4

P.O. Box 82
Spivey, KS 67124

2-31-8w Harper

Job Ticket: 19671

DST#: 1

ATTN: Jerry Smith

Test Start: 2004.06.14 @ 07:12:39

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 (m³/d)
1	10	0.25	3.00	27.60
1	20	0.25	15.00	46.64
1	30	0.25	28.50	68.06
2	10	0.38	19.00	122.35
2	20	0.38	19.50	124.18
2	30	0.38	19.50	124.18

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Serial #: 6647

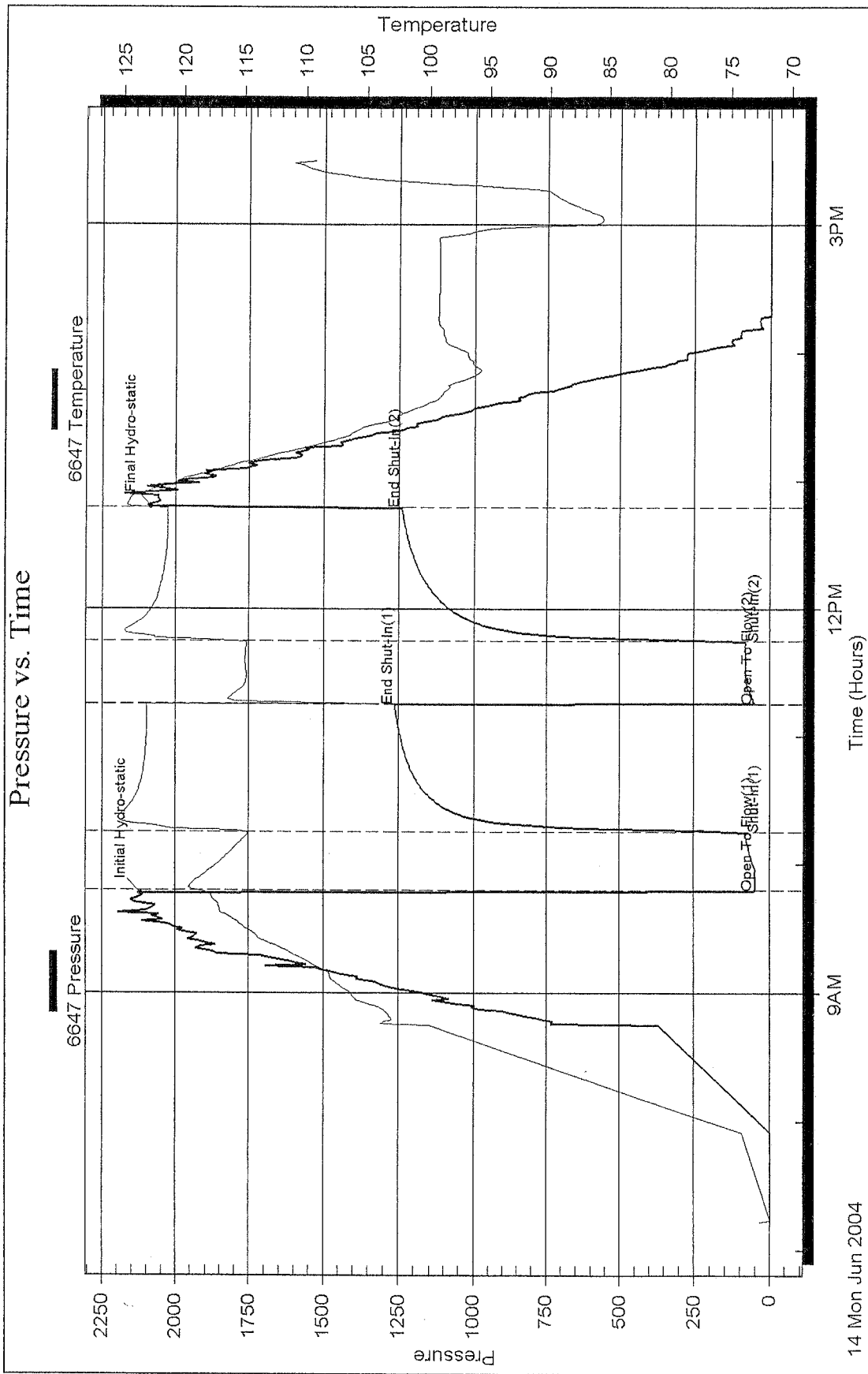
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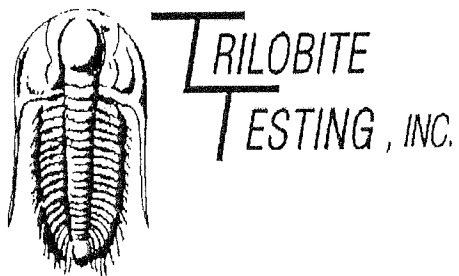
MTM Petroleum, Inc

2-31-8w Harper

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **MTM Petroleum, Inc**

P.O. Box 82
Spivey, KS 67124

ATTN: Jerry Smith

2-31-8w Harper

Fryar #4

Start Date: 2004.06.15 @ 20:00:09

End Date: 2004.06.16 @ 06:07:28

Job Ticket #: 19672

DST #: 2

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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

MTM Petroleum, Inc

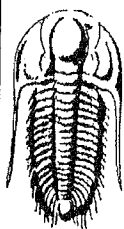
Fryar #4

2-31-8w Harper

DST # 2

Simpson

2004.06.15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

MTM Petroleum, Inc

P.O. Box 82
Spivey, KS 67124

ATTN: Jerry Smith

Fryar #4

2-31-8w Harper

Job Ticket: 19672

DST#: 2

Test Start: 2004.06.15 @ 20:00:09

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:02:59

Time Test Ended: 06:07:28

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 20

Interval: **4770.00 ft (KB) To 4801.00 ft (KB) (TVD)**

Total Depth: 4801.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1665.00 ft (KB)

1660.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6647 Inside

Press@RunDepth: 401.28 psig @ 4773.00 ft (KB)

Start Date: 2004.06.15

End Date: 2004.06.16

Start Time: 20:00:19

End Time: 06:07:29

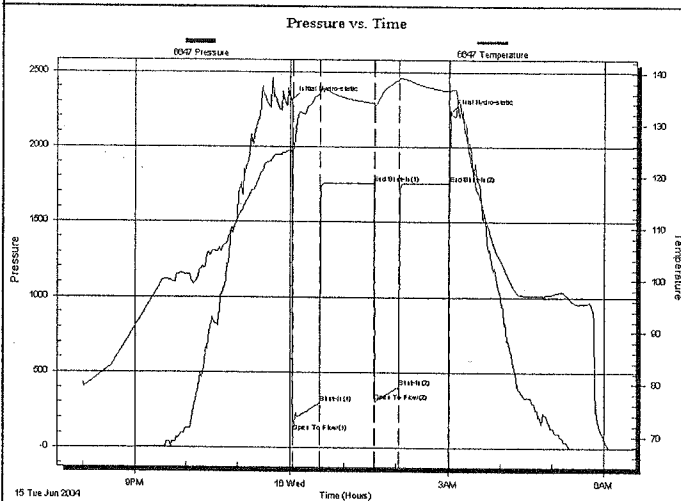
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.06.16 @ 00:01:59

Time Off Btm: 2004.06.16 @ 03:02:29

TEST COMMENT: IF: BOB 2 min, fair blow
IS: No blow back
FF: BOB 15 min, fair blow
FS: No blow back



PRESSURE SUMMARY

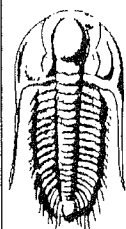
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.48	125.09	Initial Hydro-static
1	106.16	124.64	Open To Flow (1)
32	297.06	136.06	Shut-In(1)
93	1755.53	134.26	End Shut-In(1)
94	306.19	133.85	Open To Flow (2)
122	401.28	138.60	Shut-In(2)
180	1755.51	136.52	End Shut-In(2)
181	2228.89	136.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	7%G, 93%W	7.44
248.00	5%G, 95%M	4.88

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

MTM Petroleum, Inc

Fryar #4

P.O. Box 82
Spivey, KS 67124

2-31-8w Harper

Job Ticket: 19672

DST#: 2

ATTN: Jerry Smith

Test Start: 2004.06.15 @ 20:00:09

Tool Information

Drill Pipe:	Length: 4519.00 ft	Diameter: 4.50 inches	Volume: 88.89 bbl	Tool Weight: 2000.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume:	90.07 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4770.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 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
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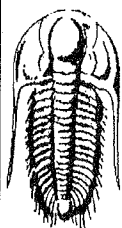
Change Over Sub	1.00			4744.00	
Shut In Tool	5.00			4749.00	
Hydraulic tool	5.00			4754.00	
Jars	5.00			4759.00	
Safety Joint	2.00			4761.00	
Packer	5.00			4766.00	27.00 Bottom Of Top Packer
Packer	4.00			4770.00	
Stubb	1.00			4771.00	
Perforations	2.00			4773.00	
Recorder	0.00	6647	Inside	4773.00	
Perforations	25.00			4798.00	
Recorder	0.00	13630	Inside	4798.00	
Bullnose	3.00			4801.00	31.00 Bottom Packers & Anchor

Total Tool Length: 58.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

MTM Petroleum, Inc

Fryar #4

P.O. Box 82
Spivey, KS 67124

2-31-8w Harper

Job Ticket: 19672

DST#: 2

ATTN: Jerry Smith

Test Start: 2004.06.15 @ 20:00:09

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:

50000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
558.00	7%G, 93%W	7.436
248.00	5%G, 95%M	4.878

Total Length: 806.00 ft Total Volume: 12.314 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

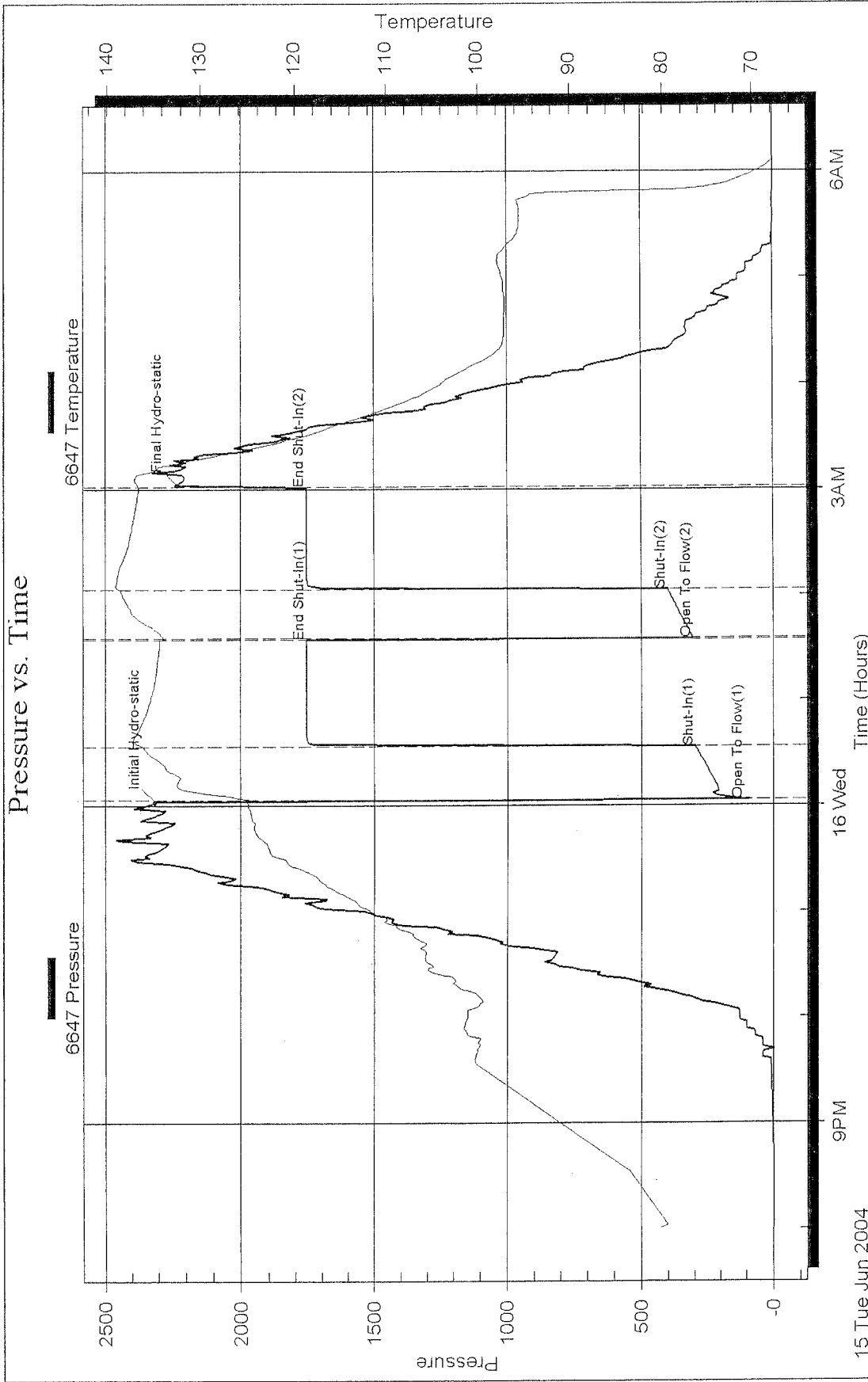
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.145@80F=50000

Pressure vs. Time



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Ref. No: 19672

Trilobite Testing, Inc

Printed: 2004.06.22 @ 11:23:09 Page 5