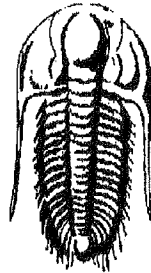


15-135-24767

5-20s-21w

IND



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: J O Farmer

5 20 21 Ness KS

Mc Junkin Unit # 1

Start Date: 2008.05.04 @ 01:05:55

End Date: 2008.05.04 @ 06:03:55

Job Ticket #: 30918 DST #: 1

CONFIDENTIAL
AUG 21 2008
TSC

John O Farmer Inc

Mc Junkin Unit # 1

5 20 21 Ness KS

DST # 1

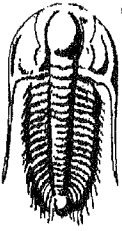
Miss

2008.05.04

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

John O Farmer Inc
 PO Box 352
 Russell KS 67665
 ATTN: J O Farmer

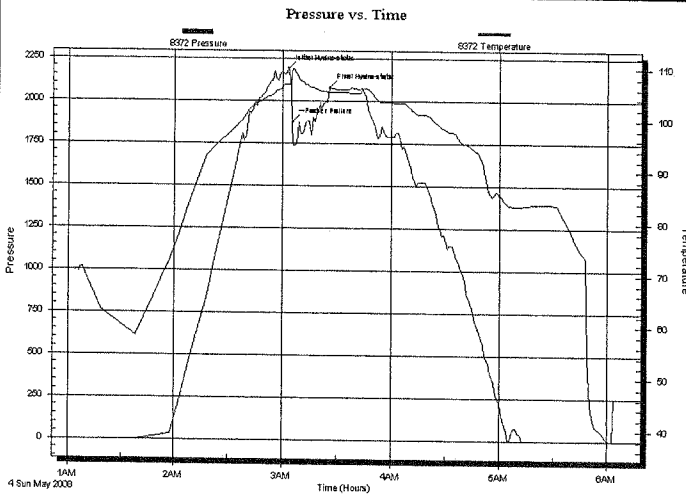
Mc Junkin Unit # 1
5 20 21 Ness KS
 Job Ticket: 30918 **DST#: 1**
 Test Start: 2008.05.04 @ 01:05:55

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 06:03:55
 Interval: **4418.00 ft (KB) To 4460.00 ft (KB) (TVD)**
 Total Depth: 4460.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38
 Reference Elevations: 2293.00 ft (KB)
 2285.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8372 Inside
 Press@RunDepth: psig @ 4421.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.05.04 End Date: 2008.05.04 Last Calib.: 2008.05.04
 Start Time: 01:05:56 End Time: 06:03:55 Time On Btm: 2008.05.04 @ 03:03:25
 Time Off Btm: 2008.05.04 @ 03:25:55

TEST COMMENT: Packer failure



PRESSURE SUMMARY

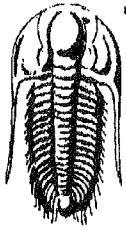
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.82	106.89	Initial Hydro-static
2	1870.32	109.16	--Packer Failure
23	2074.36	105.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Mc Junkin Unit # 1

PO Box 352
Russell KS 67665

5 20 21 Ness KS

Job Ticket: 30918

DST#: 1

ATTN: J O Farmer

Test Start: 2008.05.04 @ 01:05:55

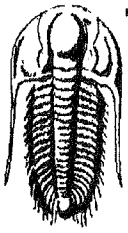
Tool Information

Drill Pipe:	Length: 4375.00 ft	Diameter: 3.80 inches	Volume: 61.37 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: lb
		Total Volume: 61.52 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4418.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4390.00	
Shut In Tool	5.00			4395.00	
Hydraulic tool	5.00			4400.00	
Jars	5.00			4405.00	
Safety Joint	3.00			4408.00	
Packer	5.00			4413.00	29.00 Bottom Of Top Packer
Packer	5.00			4418.00	
Stubb	1.00			4419.00	
Perforations	1.00			4420.00	
Change Over Sub	1.00			4421.00	
Recorder	0.00	8372	Inside	4421.00	
Recorder	0.00	8368	Outside	4421.00	
Drill Pipe	31.00			4452.00	
Change Over Sub	1.00			4453.00	
Perforations	4.00			4457.00	
Bullnose	3.00			4460.00	42.00 Bottom Packers & Anchor
Total Tool Length:	71.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Mc Junkin Unit # 1

PO Box 352
Russell KS 67665

5 20 21 Ness KS

Job Ticket: 30918

DST#: 1

ATTN: J O Farmer

Test Start: 2008.05.04 @ 01:05:55

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

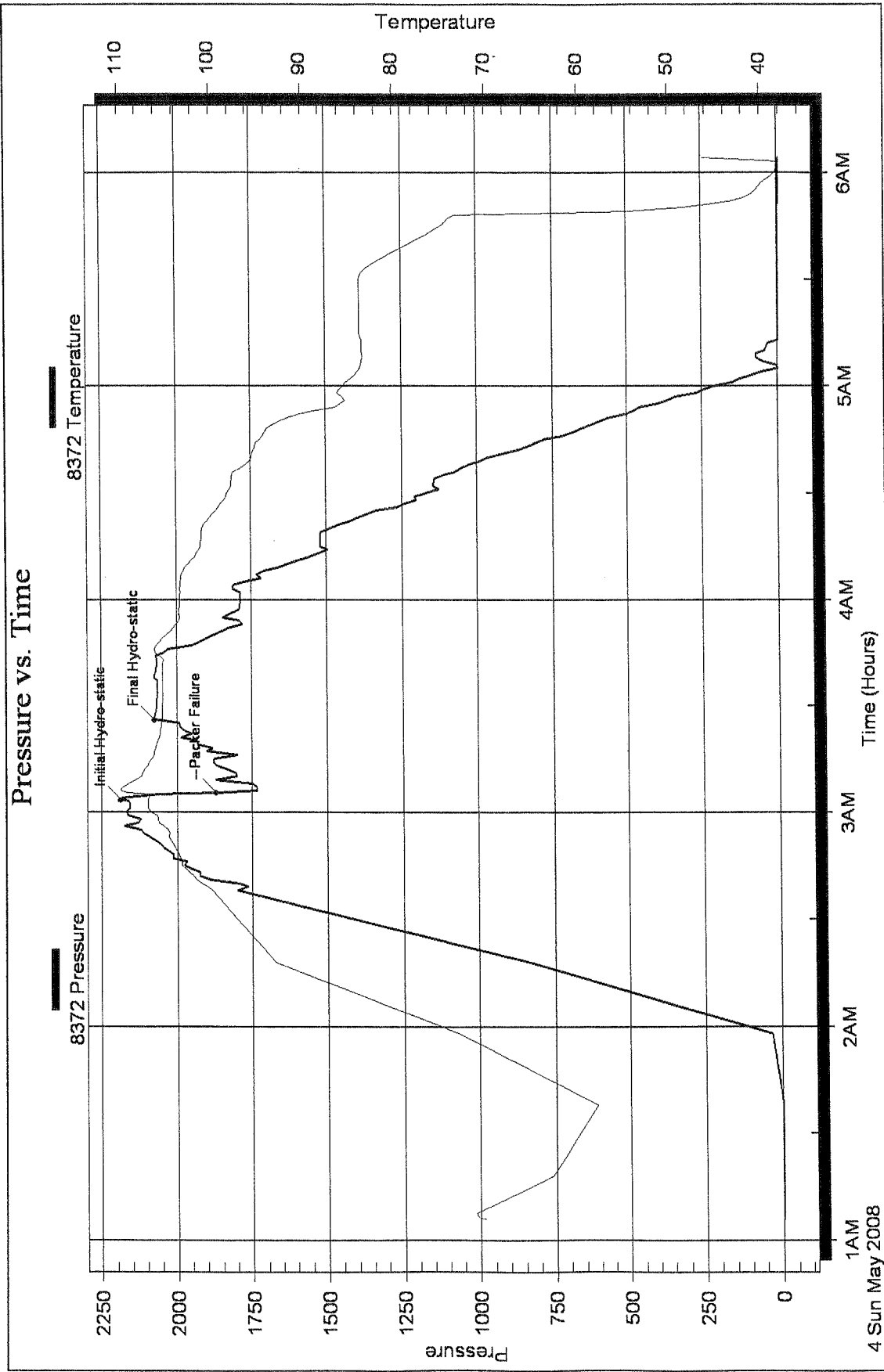
Serial #: 8372

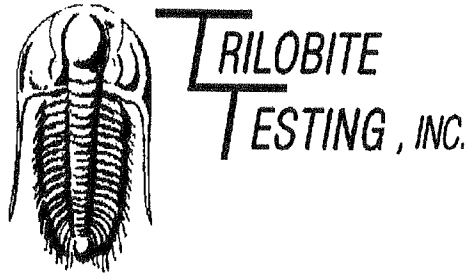
Inside

John O Farmer Inc

5 20 21 Ness KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: J O Farmer

5 20 21 Ness KS

Mc Junkin Unit # 1

Start Date: 2008.05.04 @ 06:17:34

End Date: 2008.05.04 @ 12:24:34

Job Ticket #: 30919 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer Inc

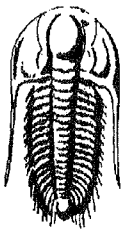
Mc Junkin Unit # 1

5 20 21 Ness KS

DST # 2

Miss

2008.05.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

Mc Junkin Unit # 1

PO Box 352
Russell KS 67665

5 20 21 Ness KS

ATTN: J O Farmer

Job Ticket: 30919

DST#: 2

Test Start: 2008.05.04 @ 06:17:34

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:50:34

Time Test Ended: 12:24:34

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 4449.00 ft (KB) To 4460.00 ft (KB) (TVD)

Total Depth: 4460.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2293.00 ft (KB)

2285.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press@RunDepth: 45.82 psig @ 4450.00 ft (KB)

Start Date: 2008.05.04

End Date:

2008.05.04

Capacity: 7000.00 psig

Last Calib.: 2008.05.04

Start Time: 06:17:35

End Time:

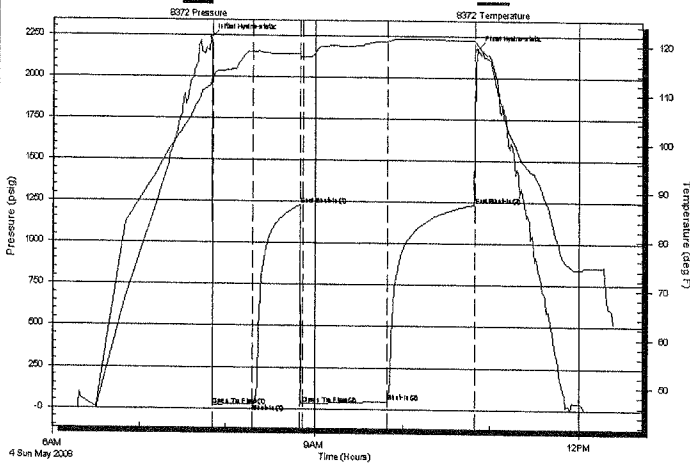
12:24:34

Time On Btm: 2008.05.04 @ 07:49:04

Time Off Btm: 2008.05.04 @ 10:51:04

TEST COMMENT: IF Weak building to 3 "
FF Weak building 1 "

Pressure vs. Time



PRESSURE SUMMARY

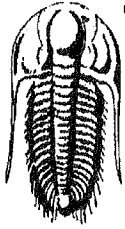
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2231.80	111.74	Initial Hydro-static
2	18.39	113.18	Open To Flow (1)
29	28.94	118.74	Shut-In(1)
62	1228.82	118.20	End Shut-In(1)
63	29.61	117.62	Open To Flow (2)
120	45.82	120.92	Shut-In(2)
180	1233.89	121.21	End Shut-In(2)
182	2172.47	120.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCO 40%M 60%O	0.15
60.00	CO	0.84
0.00	125 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Mc Junkin Unit # 1

PO Box 352
Russell KS 67665

5 20 21 Ness KS

Job Ticket: 30919

DST#: 2

ATTN: J O Farmer

Test Start: 2008.05.04 @ 06:17:34

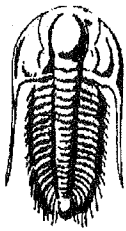
Tool Information

Drill Pipe:	Length: 4406.00 ft	Diameter: 3.80 inches	Volume: 61.80 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 62000.00 lb
		Total Volume: 61.95 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4449.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	11.00 ft			
Tool Length:	40.00 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			4421.00	
Shut In Tool	5.00			4426.00	
Hydraulic tool	5.00			4431.00	
Jars	5.00			4436.00	
Safety Joint	3.00			4439.00	
Packer	5.00			4444.00	29.00 Bottom Of Top Packer
Packer	5.00			4449.00	
Stubb	1.00			4450.00	
Recorder	0.00	8372	Inside	4450.00	
Recorder	0.00	8368	Outside	4450.00	
Perforations	7.00			4457.00	
Bullnose	3.00			4460.00	11.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Mc Junkin Unit # 1

PO Box 352
Russell KS 67665

5 20 21 Ness KS

ATTN: J O Farmer

Job Ticket: 30919

DST#: 2

Test Start: 2008.05.04 @ 06:17:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

36 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MCO 40%M 60%O	0.148
60.00	CO	0.842
0.00	125 GIP	0.000

Total Length: 90.00 ft Total Volume: 0.990 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

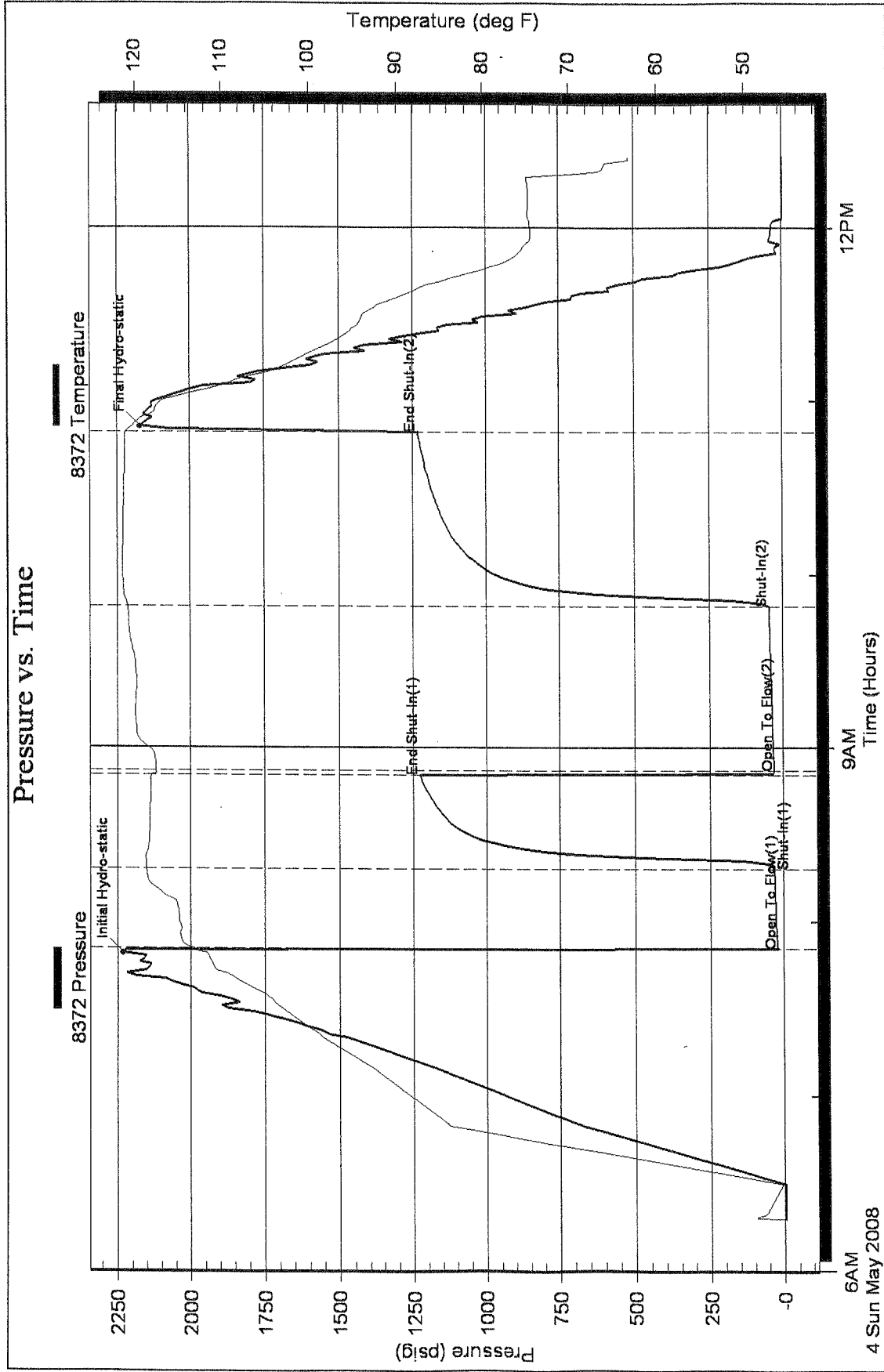
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



4 Sun May 2008
6AM
9AM
12PM