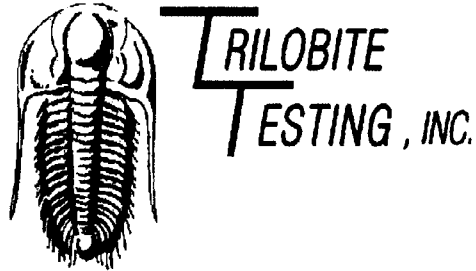


15-051-25632



DRILL STEM TEST REPORT

Prepared For: **Tom's Oil**

3108 W 13th
Hays KS 67601

ATTN: Mark Downing

9 14S 16W Ellis KS

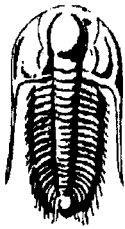
Leroy F. **Munk #1**

Start Date: 2007.03.13 @ 02:56:31

End Date: 2007.03.13 @ 09:13:44

Job Ticket #: 27516 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

Tom's Oil
 3108 W 13th
 Hays KS 67601
 ATTN: Mark Downing

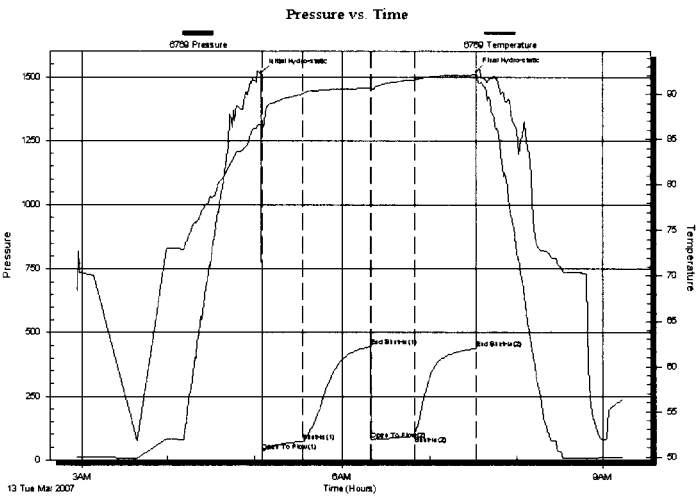
Munk #1
9 14S 16W Ellis KS
 Job Ticket: 27516 **DST#: 1**
 Test Start: 2007.03.13 @ 02:56:31

GENERAL INFORMATION:

Formation: **LKC "A-D"**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 05:04:59
 Time Test Ended: 09:13:44
 Interval: **3144.00 ft (KB) To 3225.00 ft (KB) (TVD)**
 Total Depth: **3225.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition:
 Test Type: **Conventional Bottom Hole**
 Tester: **Brian Fairbank**
 Unit No: **24**
 Reference Elevations: **1917.00 ft (KB)**
1913.00 ft (CF)
 KB to GR/CF: **4.00 ft**

Serial #: 6769 **Inside**
 Press@RunDepth: **93.23 psig @ 3149.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2007.03.13** End Date: **2007.03.13** Last Calib.: **2007.03.13**
 Start Time: **02:56:31** End Time: **09:13:44** Time On Btm: **2007.03.13 @ 05:04:44**
 Time Off Btm: **2007.03.13 @ 07:31:59**

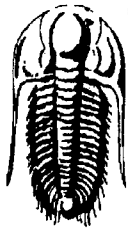
TEST COMMENT: IFP BOB 6 min.
 ISI Sur blow back died 16 min.
 FFP BOB 2 min.
 FSI 5" blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1518.07	86.69	Initial Hydro-static
1	32.80	86.29	Open To Flow (1)
29	72.59	90.07	Shut-In(1)
75	444.96	90.65	End Shut-In(1)
75	80.03	90.53	Open To Flow (2)
105	93.23	91.56	Shut-In(2)
148	438.20	92.11	End Shut-In(2)
148	1520.36	92.70	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	G & W OCM 35%G 15%O 10%W 40%M	0.30
60.00	GHOCM 40%G 35%O 25%M	0.81
60.00	GHOCM 20%G 30%O 50%M	0.84

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tom's Oil
3108 W 13th
Hays KS 67601

ATTN: Mark Downing

Munk #1

9 14S 16W Ellis KS

Job Ticket: 27516

DST#: 1

Test Start: 2007.03.13 @ 02:56:31

Tool Information

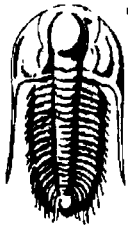
Drill Pipe:	Length: 3067.00 ft	Diameter: 3.80 inches	Volume: 43.02 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 64.00 ft	Diameter: 2.25 inches	Volume: 0.31 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 43.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3144.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.02 ft			
Tool Length:	101.02 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			3129.00	
Hydraulic tool	5.00			3134.00	
Packer	5.00			3139.00	20.00 Bottom Of Top Packer
Packer	5.00			3144.00	
Stubb	1.00			3145.00	
Perforations	3.00			3148.00	
Change Over Sub	1.00			3149.00	
Recorder	0.01	6769	Inside	3149.01	
Blank Spacing	62.00			3211.01	
Change Over Sub	1.00			3212.01	
Perforations	10.00			3222.01	
Recorder	0.01	13548	Outside	3222.02	
Bullnose	3.00			3225.02	81.02 Bottom Packers & Anchor

Total Tool Length: 101.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tom's Oil
3108 W 13th
Hays KS 67601

ATTN: Mark Downing

Munk #1

9 14S 16W Ellis KS

Job Ticket: 27516

DST#: 1

Test Start: 2007.03.13 @ 02:56:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.96 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 30000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	G & W OCM 35%G 15%O 10%W 40%M	0.295
60.00	GHOCM 40%G 35%O 25%M	0.805
60.00	GHOCM 20%G 30%O 50%M	0.842

Total Length: 180.00 ft Total Volume: 1.942 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

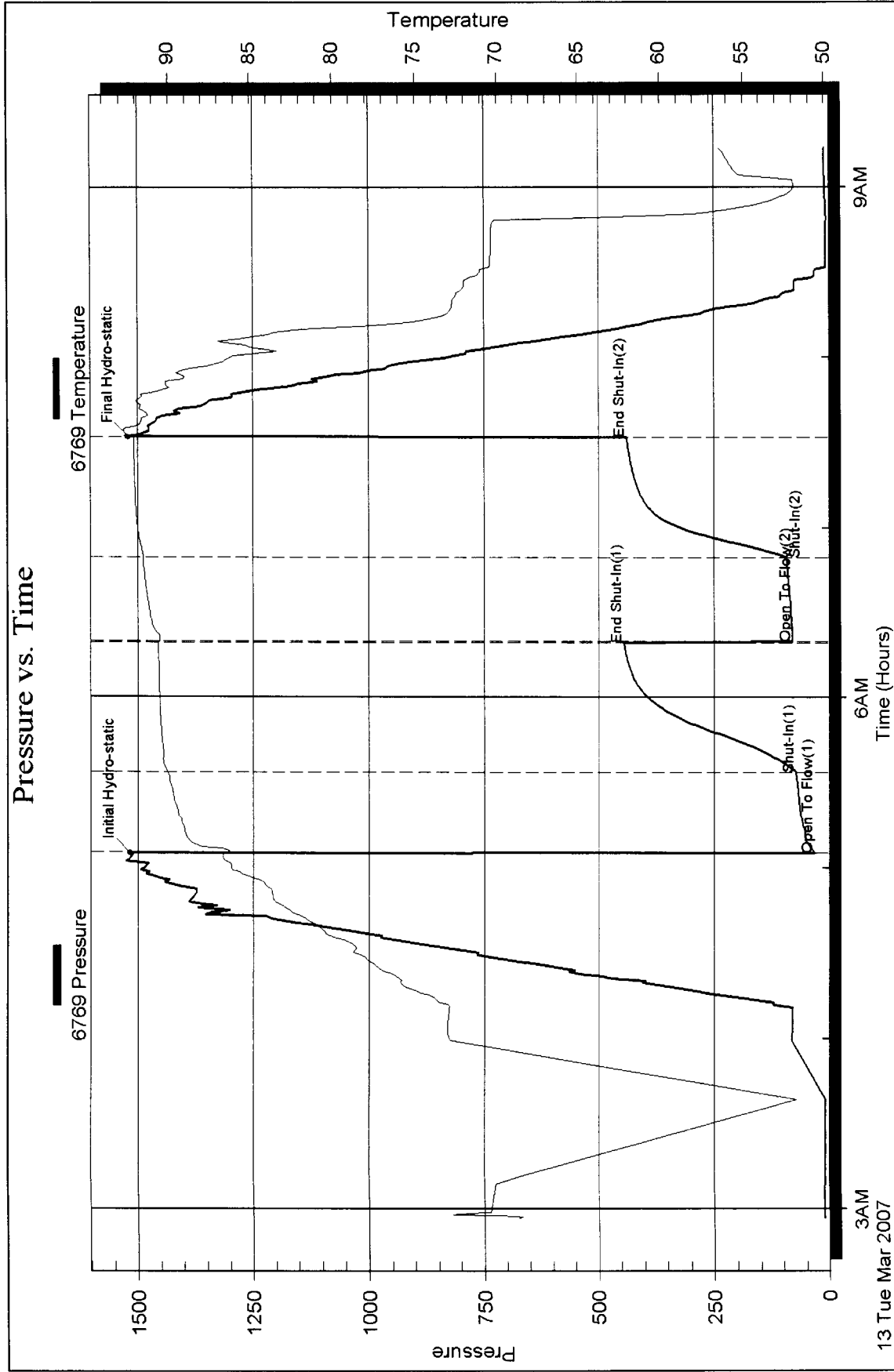
Serial #:

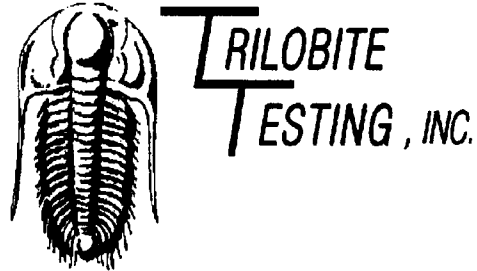
Laboratory Name:

Laboratory Location:

Recovery Comments: 620' GIP

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Tom's Oil**

3108 W 13th
Hays KS 67601

ATTN: Mark Downing

9 14S 16W Ellis KS

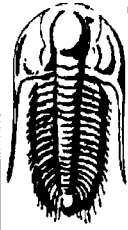
LEROY F. **Munk #1**

Start Date: 2007.03.13 @ 00:32:47

End Date: 2007.03.13 @ 06:41:30

Job Ticket #: 27517 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

Tom's Oil
3108 W 13th
Hays KS 67601

Munk #1
9 14S 16W Ellis KS
Job Ticket: 27517 **DST#: 2**
Test Start: 2007.03.13 @ 00:32:47

ATTN: Mark Downing

Tool Information

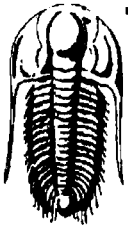
Drill Pipe:	Length: 3221.00 ft	Diameter: 3.80 inches	Volume: 45.18 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 64.00 ft	Diameter: 2.25 inches	Volume: 0.31 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb
			Total Volume: 45.49 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3286.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	74.02 ft				
Tool Length:	94.02 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			3271.00	
Hydraulic tool	5.00			3276.00	
Packer	5.00			3281.00	20.00 Bottom Of Top Packer
Packer	5.00			3286.00	
Stubb	1.00			3287.00	
Perforations	1.00			3288.00	
Change Over Sub	1.00			3289.00	
Recorder	0.01	6769	Inside	3289.01	
Blank Spacing	62.00			3351.01	
Change Over Sub	1.00			3352.01	
Perforations	5.00			3357.01	
Recorder	0.01	13548	Outside	3357.02	
Bullnose	3.00			3360.02	74.02 Bottom Packers & Anchor

Total Tool Length: 94.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tom's Oil
3108 W 13th
Hays KS 67601

ATTN: Mark Downing

Munk #1

9 14S 16W Ellis KS

Job Ticket: 27517

DST#: 2

Test Start: 2007.03.13 @ 00:32:47

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.76 in ³	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
140.00	100%M	1.381

Total Length: 140.00 ft Total Volume: 1.381 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

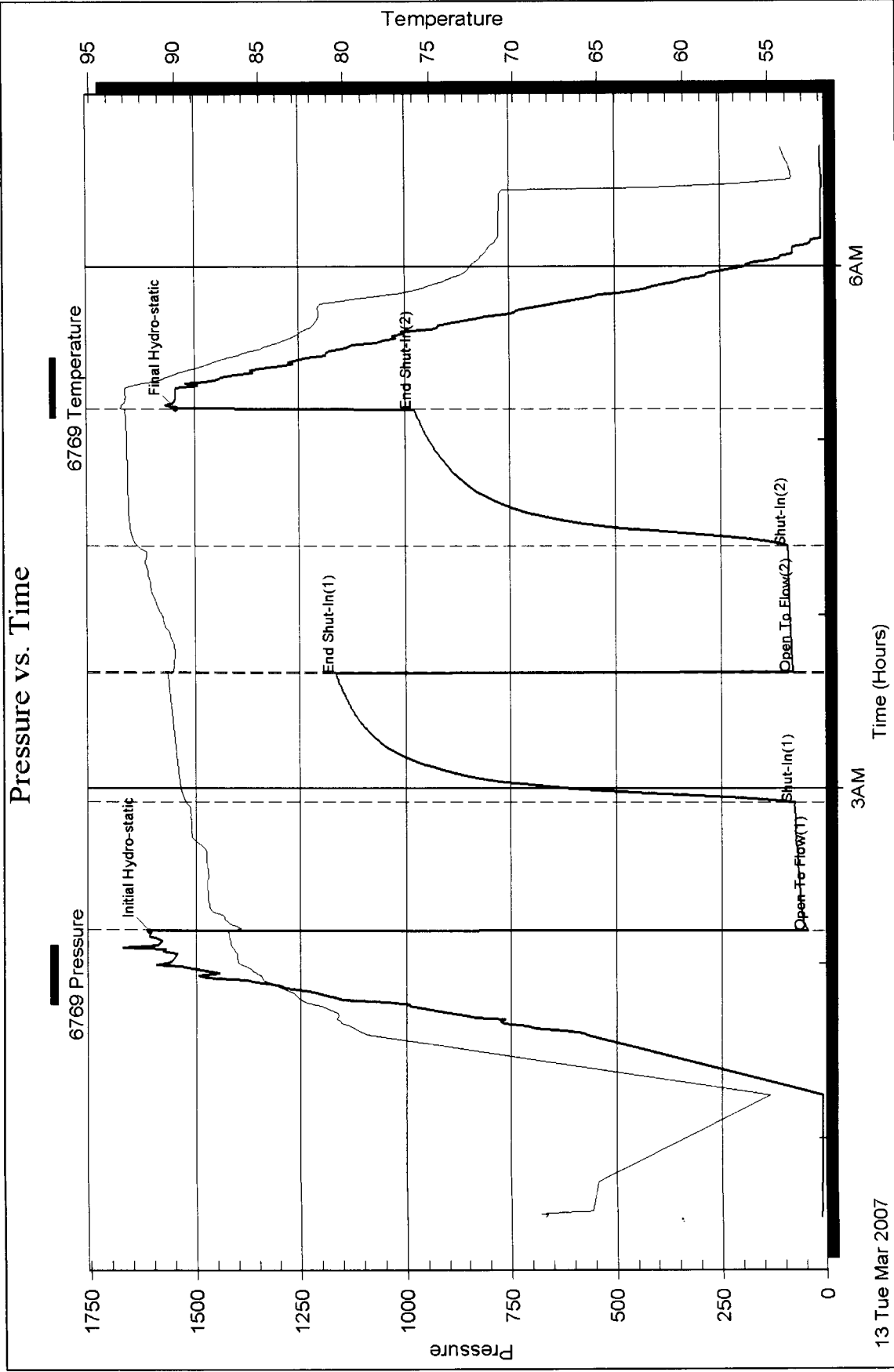
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



13 Tue Mar 2007

6AM

3AM

Time (Hours)

CHART PAGE

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

Tamps

Mun K #1

DST #1

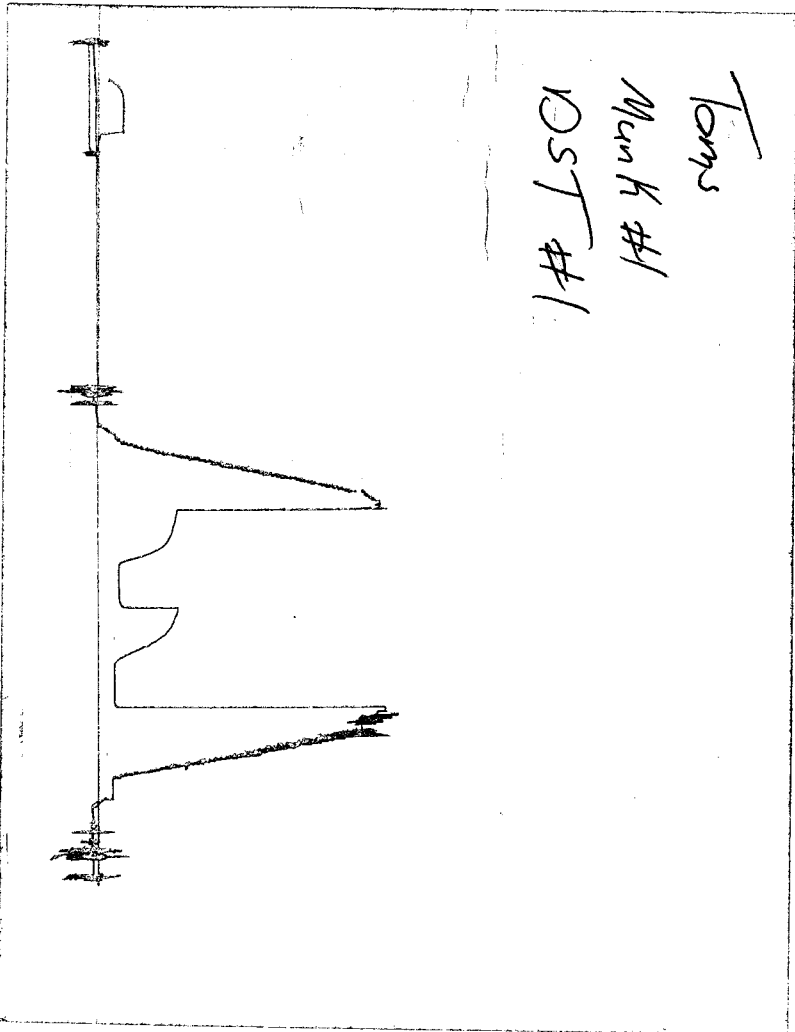


CHART PAGE

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

Tom's

Munk #1

DST #2

