

DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665

ATTN: Gary L. Brungardt

30 10 14W Osborne KS

Koelling C # 1

Start Date: 2007.01.25 @ 02:11:55

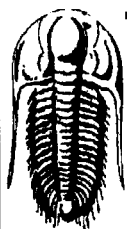
End Date: 2007.01.25 @ 08:36:55

Job Ticket #: 27147 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

Brungardt Oil & Leasing Inc

PO Box 871
Russell KS 67665

ATTN: Gary L.Brungardt

Koelling C # 1

30 10 14W Osborne KS

Job Ticket: 27147

DST#: 1

Test Start: 2007.01.25 @ 02:11:55

GENERAL INFORMATION:

Formation: **L.Kc.-A & B**

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

Time Tool Opened: 04:15:25

Time Test Ended: 08:36:55

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3035.00 ft (KB) To 3095.00 ft (KB) (TVD)**

Total Depth: **3095.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1840.00 ft (KB)**

1835.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **18.91 psig @ 3040.00 ft (KB)**

Start Date: **2007.01.25**

End Date:

2007.01.25

Capacity: **7000.00 psig**

Last Calib.:

2007.01.25

Start Time: **02:12:00**

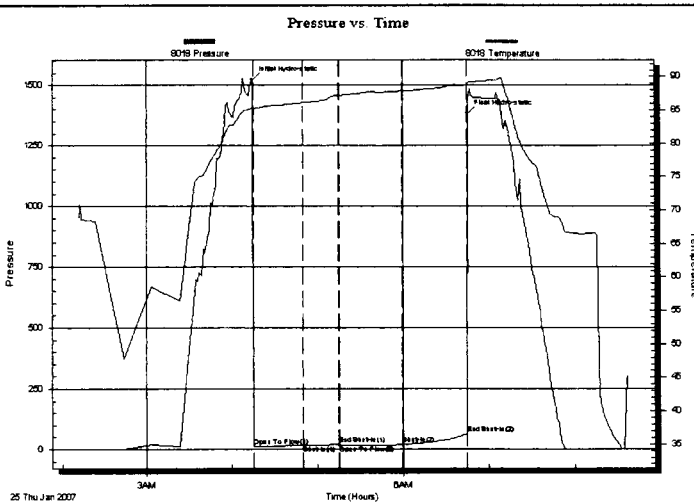
End Time:

08:36:54

Time On Btm: **2007.01.25 @ 04:14:55**

Time Off Btm: **2007.01.25 @ 06:44:54**

TEST COMMENT: IF Weak surface
ISI Dead
FF Weak dead in 30 min.
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1521.27	85.27	Initial Hydro-static
1	12.24	85.05	Open To Flow (1)
35	14.87	86.12	Shut-In (1)
60	19.41	87.23	End Shut-In (1)
61	14.34	87.23	Open To Flow (2)
105	18.91	87.86	Shut-In (2)
150	61.75	88.73	End Shut-In (2)
150	1383.05	89.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	D Mud few Oil spots	0.10

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

PO Box 871
Russell KS 67665

ATTN: Gary L.Brungardt

Koelling C # 1

30 10 14W Osborne KS

Job Ticket: 27147

DST#: 1

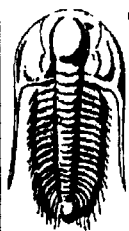
Test Start: 2007.01.25 @ 02:11:55

Tool Information

Drill Pipe:	Length: 2698.00 ft	Diameter: 3.80 inches	Volume: 37.85 bbl	Tool Weight: 4500.00 lb
Heavy Wt. Pipe:	Length: 314.00 ft	Diameter: 2.25 inches	Volume: 1.54 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 39.39 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3035.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	104.00 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			2992.00	
Shut In Tool	5.00			2997.00	
Tel.tool	24.00			3021.00	
Hydraulic tool	5.00			3026.00	
Packer	4.00			3030.00	44.00 Bottom Of Top Packer
Packer	5.00			3035.00	
Stubb	1.00			3036.00	
Perforations	3.00			3039.00	
Change Over Sub	1.00			3040.00	
Recorder	0.00	8018	Inside	3040.00	
Blank Spacing	31.00			3071.00	
Change Over Sub	1.00			3072.00	
Recorder	0.00	11084	Outside	3072.00	
Perforations	20.00			3092.00	
Bullnose	3.00			3095.00	60.00 Bottom Packers & Anchor

Total Tool Length: 104.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

Koelling C # 1

PO Box 871
Russell KS 67665

30 10 14W Osborne KS

Job Ticket: 27147

DST#: 1

ATTN: Gary L. Brungardt

Test Start: 2007.01.25 @ 02:11:55

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: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	D Mud few Oil spots	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

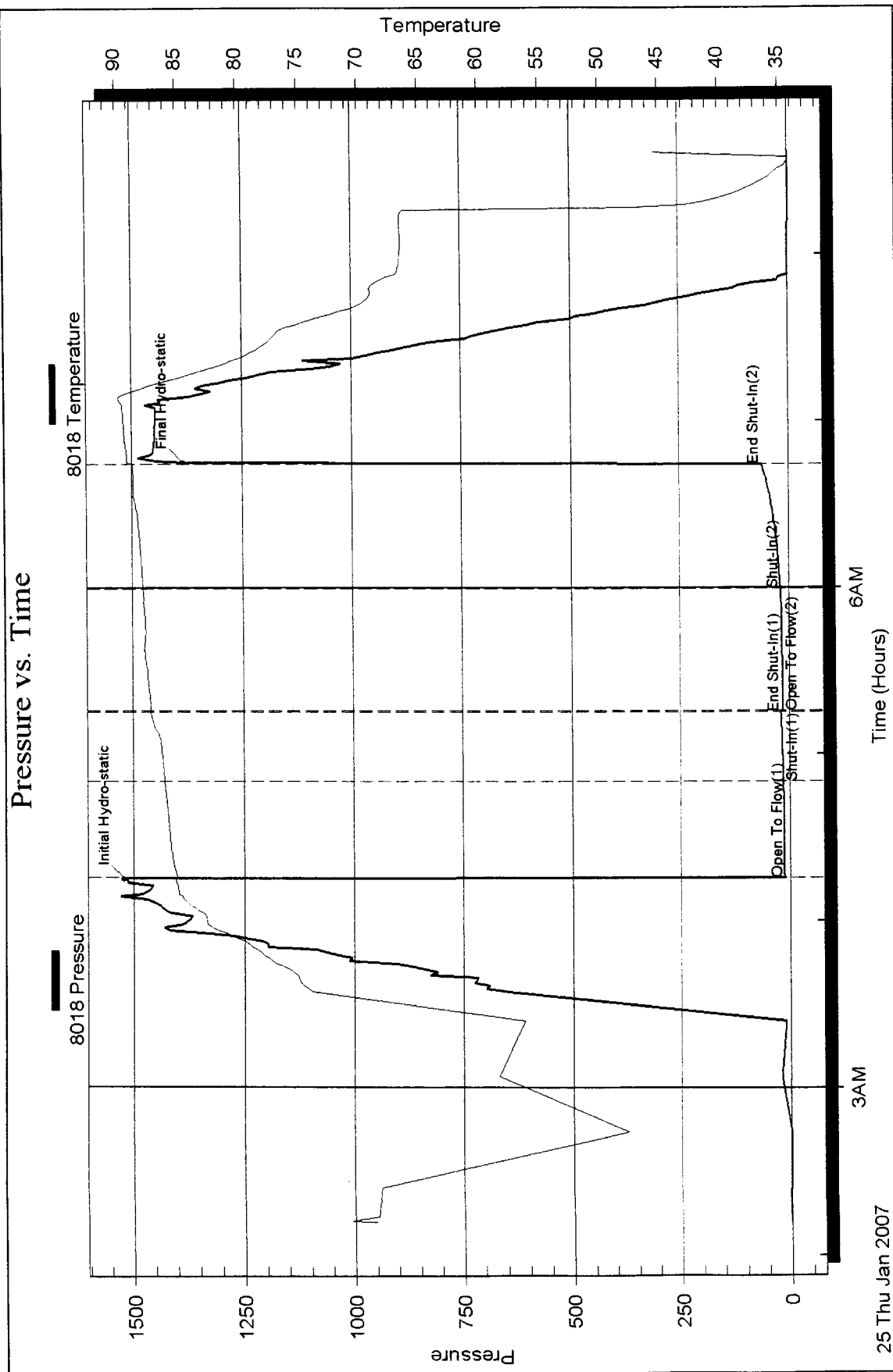
Serial #:

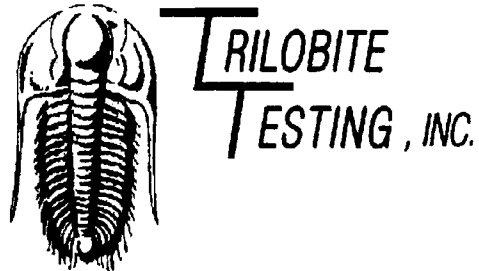
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665

ATTN: Gary L. Brungardt

30 10 14W Osborne KS

Koelling C # 1

Start Date: 2007.01.25 @ 14:11:05

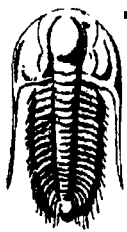
End Date: 2007.01.25 @ 18:20:35

Job Ticket #: 27148 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

Brungardt Oil & Leasing Inc

PO Box 871
Russell KS 67665

ATTN: Gary L.Brungardt

Koelling C # 1

30 10 14W Osborne KS

Job Ticket: 27148

DST#: 2

Test Start: 2007.01.25 @ 14:11:05

GENERAL INFORMATION:

Formation: **L.Kc.-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:55:35

Time Test Ended: 18:20:35

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3092.00 ft (KB) To 3110.00 ft (KB) (TVD)**

Total Depth: 3110.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1840.00 ft (KB)

1835.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 11.03 psig @ 3094.00 ft (KB)

Start Date: 2007.01.25

End Date:

2007.01.25

Start Time: 14:11:10

End Time:

18:20:35

Capacity: 7000.00 psig

Last Calib.: 2007.01.25

Time On Btm: 2007.01.25 @ 15:55:05

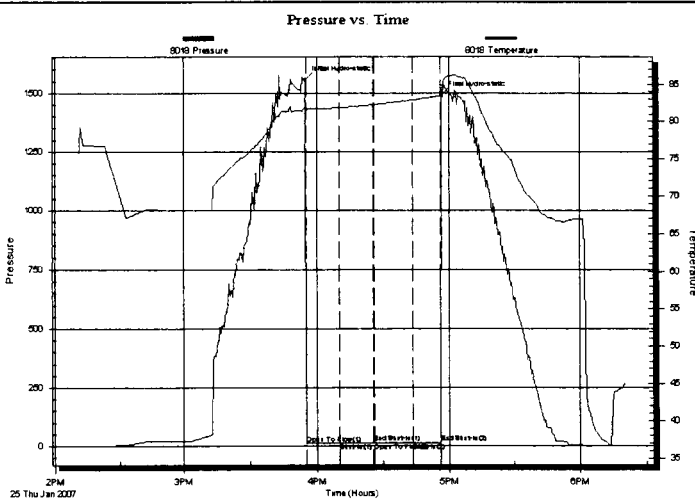
Time Off Btm: 2007.01.25 @ 16:56:35

TEST COMMENT: IF Weak Dead in 12 min.

ISI Dead

FF Weak Dead in 1 min.

FSI Dead



PRESSURE SUMMARY

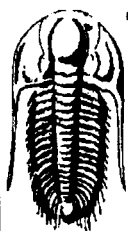
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1556.81	81.80	Initial Hydro-static
1	10.21	81.37	Open To Flow (1)
15	10.81	81.84	Shut-In(1)
31	11.45	82.24	End Shut-In(1)
31	10.89	82.25	Open To Flow (2)
49	11.03	82.90	Shut-In(2)
61	11.27	83.41	End Shut-In(2)
62	1489.35	84.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	D Mud few Oil spots	0.05

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

PO Box 871
Russell KS 67665

ATTN: Gary L.Brungardt

Koelling C # 1

30 10 14W Osborne KS

Job Ticket: 27148

DST#: 2

Test Start: 2007.01.25 @ 14:11:05

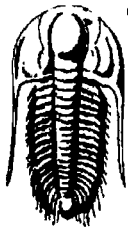
Tool Information

Drill Pipe:	Length: 2760.00 ft	Diameter: 3.80 inches	Volume: 38.72 bbl	Tool Weight:	4500.00 lb
Heavy Wt. Pipe:	Length: 314.00 ft	Diameter: 2.25 inches	Volume: 1.54 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			<u>Total Volume: 40.26 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3092.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	62.00 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			3049.00	
Shut In Tool	5.00			3054.00	
Tel.tool	24.00			3078.00	
Hydraulic tool	5.00			3083.00	
Packer	4.00			3087.00	44.00 Bottom Of Top Packer
Packer	5.00			3092.00	
Stubb	1.00			3093.00	
Perforations	1.00			3094.00	
Recorder	0.00	8018	Inside	3094.00	
Perforations	13.00			3107.00	
Recorder	0.00	13308	Outside	3107.00	
Bullnose	3.00			3110.00	18.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

Koelling C # 1

PO Box 871
Russell KS 67665

30 10 14W Osborne KS

Job Ticket: 27148

DST#: 2

ATTN: Gary L.Brungardt

Test Start: 2007.01.25 @ 14:11:05

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: 63.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	D Mud few Oil spots	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

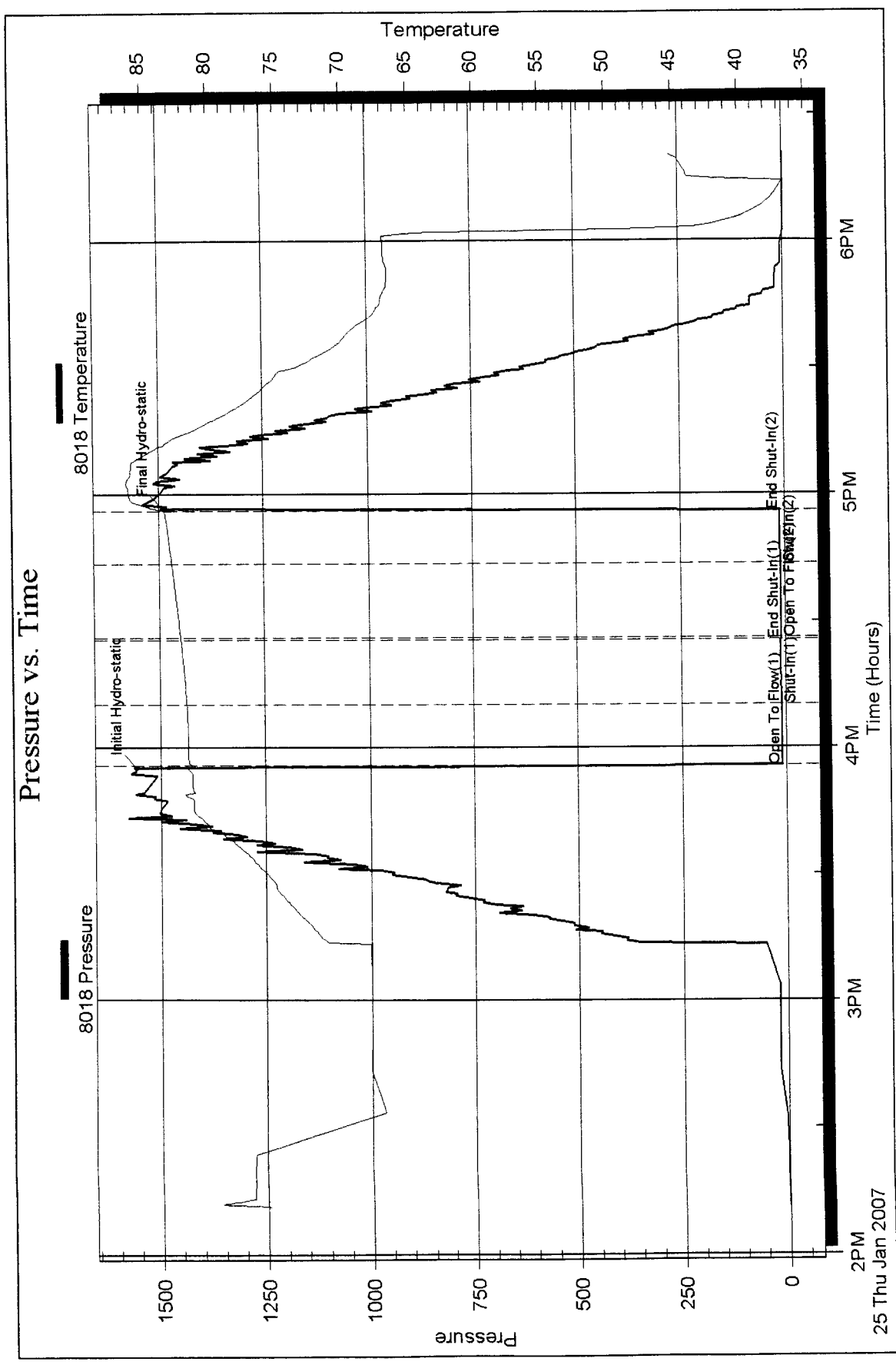


CHART PAGE

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

11084
DST#1

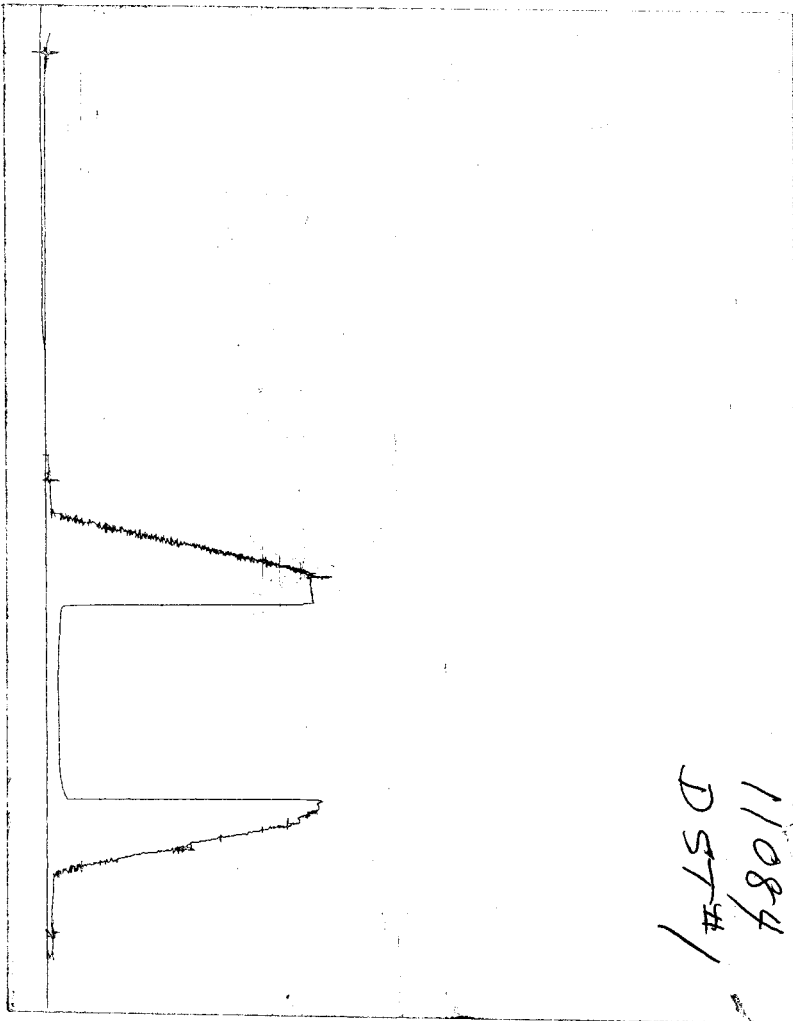


CHART PAGE

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

133085
DST # 2

