

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: James Dilts

19 30 23 Clark KS

Esplund 1-19

Start Date: 2007.03.01 @ 22:40:49

End Date: 2007.03.02 @ 10:09:28

Job Ticket #: 27328 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 17 2007

CONSERVATION DIVISION
WICHITA, KS

KCC
MAY 16 2007
CONFIDENTIAL

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

PO Box 399
Garden City KS 67846

ATTN: James Dilts

Esplund 1-19

19 30 23 Clark KS

Job Ticket: 27328

DST#: 1

Test Start: 2007.03.01 @ 22:40:49

GENERAL INFORMATION:

Formation: **Pawnee**

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

Time Tool Opened: 03:05:09

Time Test Ended: 10:09:28

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5117.00 ft (KB) To 5158.00 ft (KB) (TVD)**

Total Depth: **5158.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2424.00 ft (KB)**

2414.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8288

Inside

Press@RunDepth: **221.74 psig @ 5119.00 ft (KB)**

Start Date: **2007.03.01**

End Date:

2007.03.02

Start Time: **22:40:49**

End Time:

10:09:29

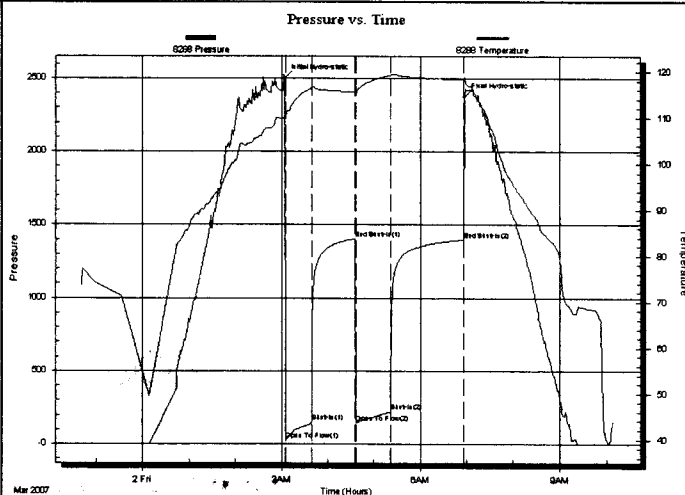
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2007.03.02 @ 03:04:29**

Time Off Btm: **2007.03.02 @ 06:57:09**

TEST COMMENT: IF BOB 25 min. strong building blow
ISI No blow back
FF BOB 35 min. strong building blow
FSI No blow back



PRESSURE SUMMARY

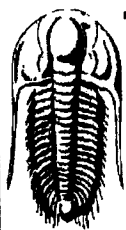
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2495.68	110.32	Initial Hydro-static
1	25.04	110.17	Open To Flow (1)
35	149.70	116.45	Shut-In (1)
92	1405.62	115.60	End Shut-In (1)
92	145.24	115.24	Open To Flow (2)
137	221.74	119.18	Shut-In (2)
232	1397.42	118.27	End Shut-In (2)
233	2373.22	118.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
504.00	Muddy Water 95%W 5%M	5.43

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Esplund 1-19

PO Box 399
Garden City KS 67846

19 30 23 Clark KS

Job Ticket: 27328

DST#: 1

ATTN: James Dilts

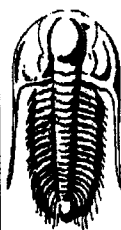
Test Start: 2007.03.01 @ 22:40:49

Tool Information

Drill Pipe:	Length: 4919.00 ft	Diameter: 3.80 inches	Volume: 69.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	69.89 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	71000.00 lb
Depth to Top Packer:	5117.00 ft			Final	71000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	69.00 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			5090.00	
Shut In Tool	5.00			5095.00	
Hydraulic tool	5.00			5100.00	
Jars	5.00			5105.00	
Safety Joint	3.00			5108.00	
Packer	5.00			5113.00	28.00 Bottom Of Top Packer
Packer	4.00			5117.00	
Stubb	1.00			5118.00	
Perforations	1.00			5119.00	
Recorder	0.00	8288	Inside	5119.00	
Perforations	3.00			5122.00	
Change Over Sub	1.00			5123.00	
Drill Pipe	31.00			5154.00	
Change Over Sub	1.00			5155.00	
Recorder	0.00	13630	Inside	5155.00	
Bullnose	3.00			5158.00	41.00 Bottom Packers & Anchor
Total Tool Length:		69.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Esplund 1-19

PO Box 399
Garden City KS 67846

19 30 23 Clark KS

Job Ticket: 27328

DST#: 1

ATTN: James Dilts

Test Start: 2007.03.01 @ 22:40:49

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:

90000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 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
504.00	Muddy Water 95%W 5%M	5.430

Total Length: 504.00 ft

Total Volume:

5.430 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

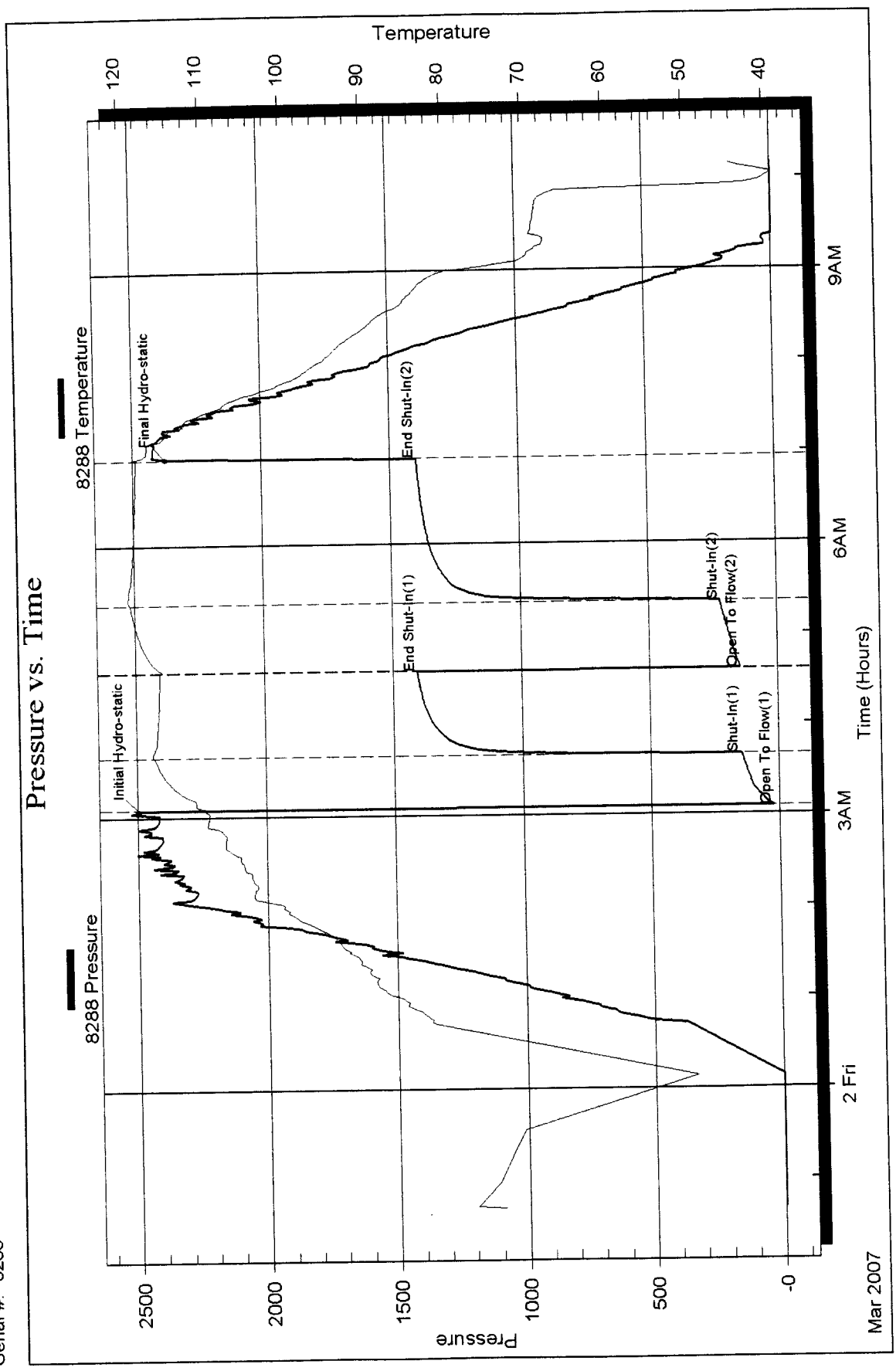
Serial #:

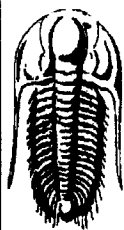
Laboratory Name:

Laboratory Location:

Recovery Comments: RW=106@62F=90000ppm

Pressure vs. Time





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DRILL STEM TEST REPORT

American Warrior Inc

PO Box 399
Garden City KS 67846

ATTN: James Dilts

Esplund 1-19

19 30 23 Clark KS

Job Ticket: 27239

DST#: 2

Test Start: 2007.03.03 @ 12:33:04

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 17:58:24

Time Test Ended: 02:19:43

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5310.00 ft (KB) To 5383.00 ft (KB) (TVD)**

Total Depth: **5383.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2424.00 ft (KB)**

2414.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8288 **Inside**

Press@RunDepth: **180.20 psig @ 5312.00 ft (KB)**

Start Date: **2007.03.03**

End Date: **2007.03.04**

Start Time: **12:33:04**

End Time: **02:19:44**

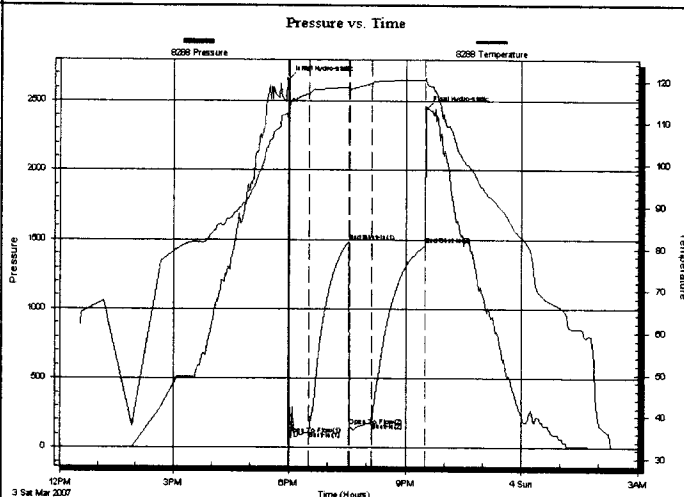
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2007.03.03 @ 17:58:04**

Time Off Btm: **2007.03.03 @ 21:31:04**

TEST COMMENT: IF BOB 3 min. strong building blow
ISI No blow back
FF BOB 30 sec. GTS 25 min. strong building blow (Gas TSTG)
FSI No blow back



PRESSURE SUMMARY

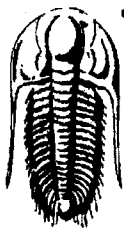
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2651.55	110.57	Initial Hydro-static
1	95.26	111.11	Open To Flow (1)
33	116.80	117.15	Shut-In(1)
94	1480.98	118.56	End Shut-In(1)
95	152.08	117.38	Open To Flow (2)
129	180.20	119.52	Shut-In(2)
213	1460.27	120.40	End Shut-In(2)
213	2442.08	120.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
428.00	Heavily Gas Out Oil 40%G 60%O	4.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

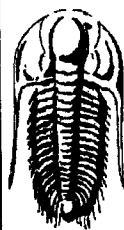
American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: James Dilts

Esplund 1-19
19 30 23 Clark KS
Job Ticket: 27239 **DST#: 2**
Test Start: 2007.03.03 @ 12:33:04

Tool Information

Drill Pipe:	Length: 5112.00 ft	Diameter: 3.80 inches	Volume: 71.71 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	72.60 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	73000.00 lb
Depth to Top Packer:	5310.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	73.00 ft				
Tool Length:	101.00 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			5283.00	
Shut In Tool	5.00			5288.00	
Hydraulic tool	5.00			5293.00	
Jars	5.00			5298.00	
Safety Joint	3.00			5301.00	
Packer	5.00			5306.00	28.00 Bottom Of Top Packer
Packer	4.00			5310.00	
Stubb	1.00			5311.00	
Perforations	1.00			5312.00	
Recorder	0.00	8288	Inside	5312.00	
Perforations	4.00			5316.00	
Change Over Sub	1.00			5317.00	
Drill Pipe	62.00			5379.00	
Change Over Sub	1.00			5380.00	
Recorder	0.00	13630	Inside	5380.00	
Bullnose	3.00			5383.00	73.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



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PO Box 399
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19 30 23 Clark KS

Job Ticket: 27239

DST#: 2

ATTN: James Dilts

Test Start: 2007.03.03 @ 12:33:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
428.00	Heavily Gas Cut Oil 40%G 60%O	4.364

Total Length: 428.00 ft

Total Volume:

4.364 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Api=28@40F=30

Pressure vs. Time

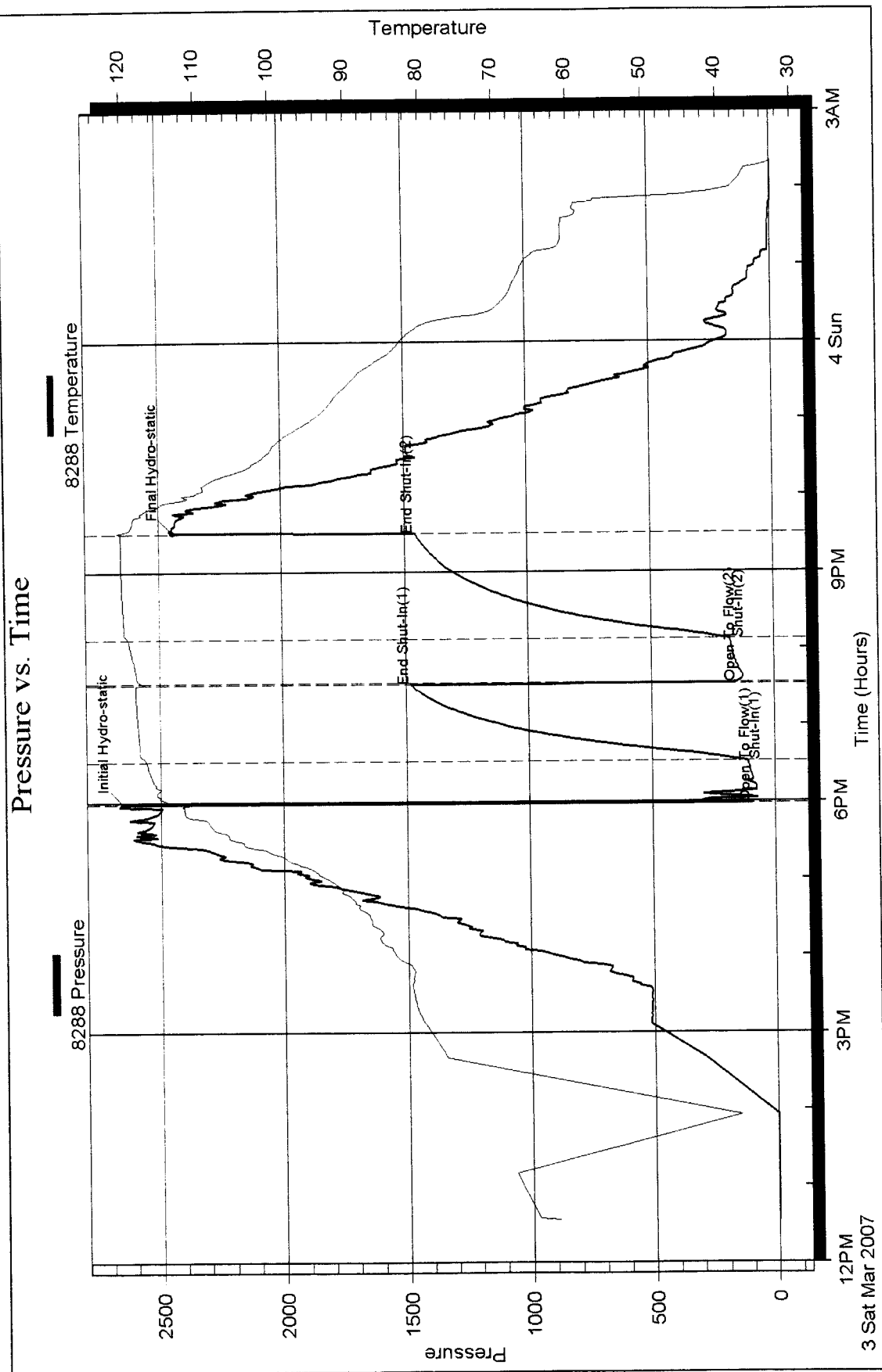


CHART PAGE

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

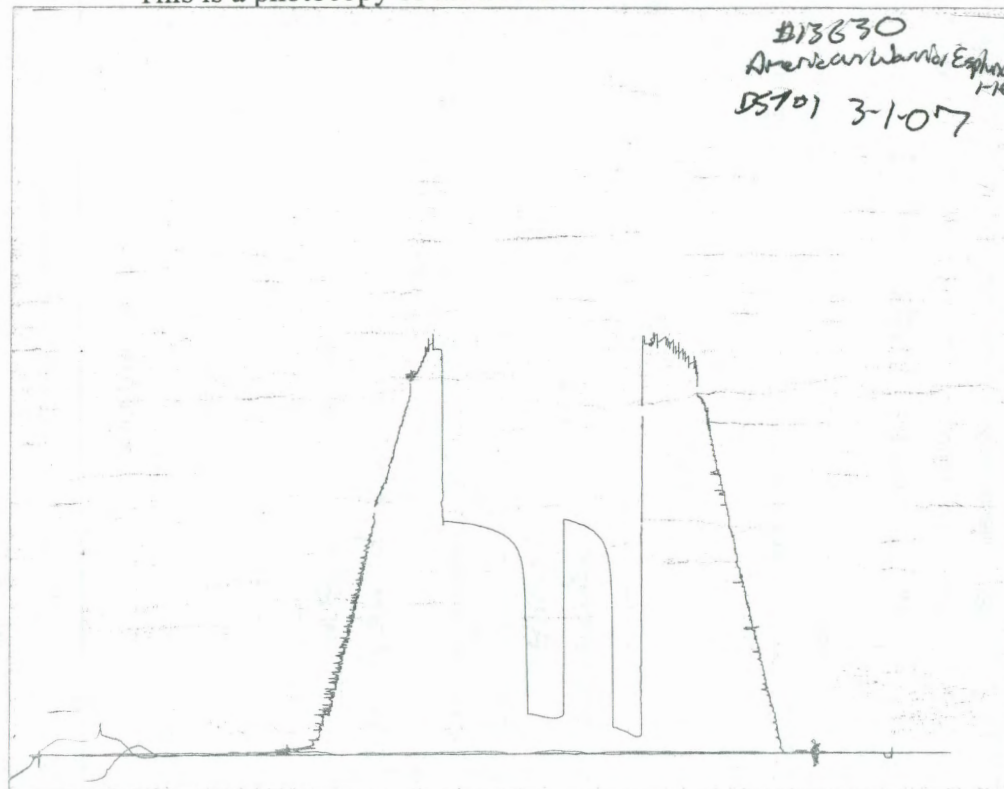


CHART PAGE

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

