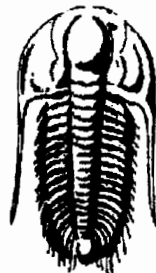


15-025-21396

19-305-23w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846-0399

ATTN: Jim Diltz

19 30 23 Clark KS

Esplund #2-19

Start Date: 2007.01.15 @ 17:22:33

End Date: 2007.01.16 @ 03:45:33

Job Ticket #: 25896 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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KANSAS CORPORATION COMMISSION

APR 03 2007

CONSERVATION DIVISION
WICHITA, KS

American Warrior Inc

Esplund #2-19

19 30 23 Clark KS

DST # 1

Marrow

2007.01.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc

PO Box 399
Garden City KS 67846-0399

ATTN: Jim Diltz

Esplund #2-19

19 30 23 Clark KS

Job Ticket: 25896

DST#: 1

Test Start: 2007.01.15 @ 17:22:33

GENERAL INFORMATION:

Formation: **Marrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:09:33

Time Test Ended: 03:45:33

Test Type: Conventional Bottom Hole

Tester: Travy Cushmanbery

Unit No: 30

Interval: **5302.00 ft (KB) To 5380.00 ft (KB) (TVD)**

Total Depth: 5380.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2446.00 ft (KB)

2436.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 66.14 psig @ 5302.00 ft (KB)

Start Date: 2007.01.15

End Date:

2007.01.16

Capacity: 7000.00 psig

Last Calib.: 2007.01.16

Start Time: 17:22:38

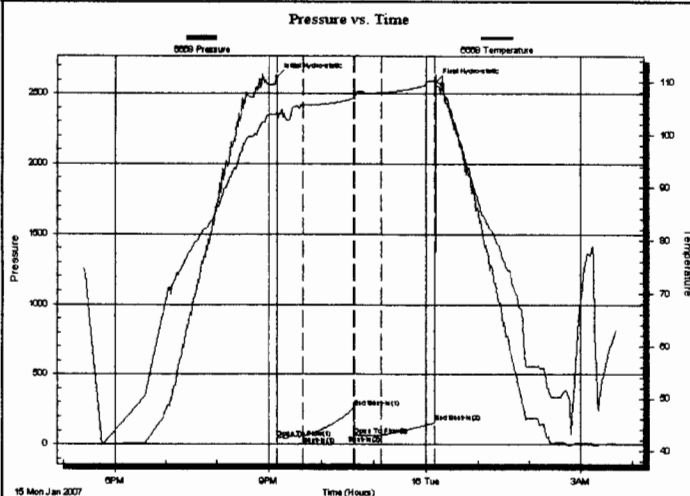
End Time:

03:42:33

Time On Btm: 2007.01.15 @ 21:09:18

Time Off Btm: 2007.01.16 @ 00:10:48

TEST COMMENT: IF Weak blow Building to 1" in 30 mins.
ISI Bled off No blow back
FF Open tool No blow in 30 mins.
Bled off No blow back



PRESSURE SUMMARY

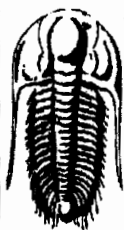
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2618.28	104.11	Initial Hydro-static
1	39.79	103.21	Open To Flow (1)
30	59.08	105.26	Shut-In(1)
89	262.59	107.02	End Shut-In(1)
89	66.71	106.70	Open To Flow (2)
120	66.14	107.95	Shut-In(2)
182	158.44	110.35	End Shut-In(2)
182	2583.91	111.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	Drilling Mud 100%M	0.46

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 #2-19

PO Box 399
Garden City KS 67846-0399

19 30 23 Clark KS

Job Ticket: 25896

DST#: 1

ATTN: Jim Diltz

Test Start: 2007.01.15 @ 17:22:33

Tool Information

Drill Pipe:	Length: 4923.00 ft	Diameter: 3.80 inches	Volume: 69.06 bbl	Tool Weight: 2100.00 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: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 130000.0 lb
			Total Volume: 70.88 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 100000.0 lb
Depth to Top Packer:	5302.00 ft			Final 100000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 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			5279.00	
Hydraulic tool	5.00			5284.00	
Jars	5.00			5289.00	
Safety Joint	3.00			5292.00	
Packer	5.00			5297.00	28.00 Bottom Of Top Packer
Packer	5.00			5302.00	
Recorder	0.00	6668	Inside	5302.00	
Perforations	24.00			5326.00	
Change Over Sub	1.00			5327.00	
Drill Pipe	32.00			5359.00	
Change Over Sub	1.00			5360.00	
Perforations	17.00			5377.00	
Recorder	0.00	13266	Outside	5377.00	
Bullnose	3.00			5380.00	78.00 Bottom Packers & Anchor

Total Tool Length: 106.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Esplund #2-19

PO Box 399
Garden City KS 67846-0399

19 30 23 Clark KS

Job Ticket: 25896

DST#: 1

ATTN: Jim Diltz

Test Start: 2007.01.15 @ 17:22:33

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: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9100.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	Drilling Mud 100%M	0.457

Total Length: 93.00 ft Total Volume: 0.457 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

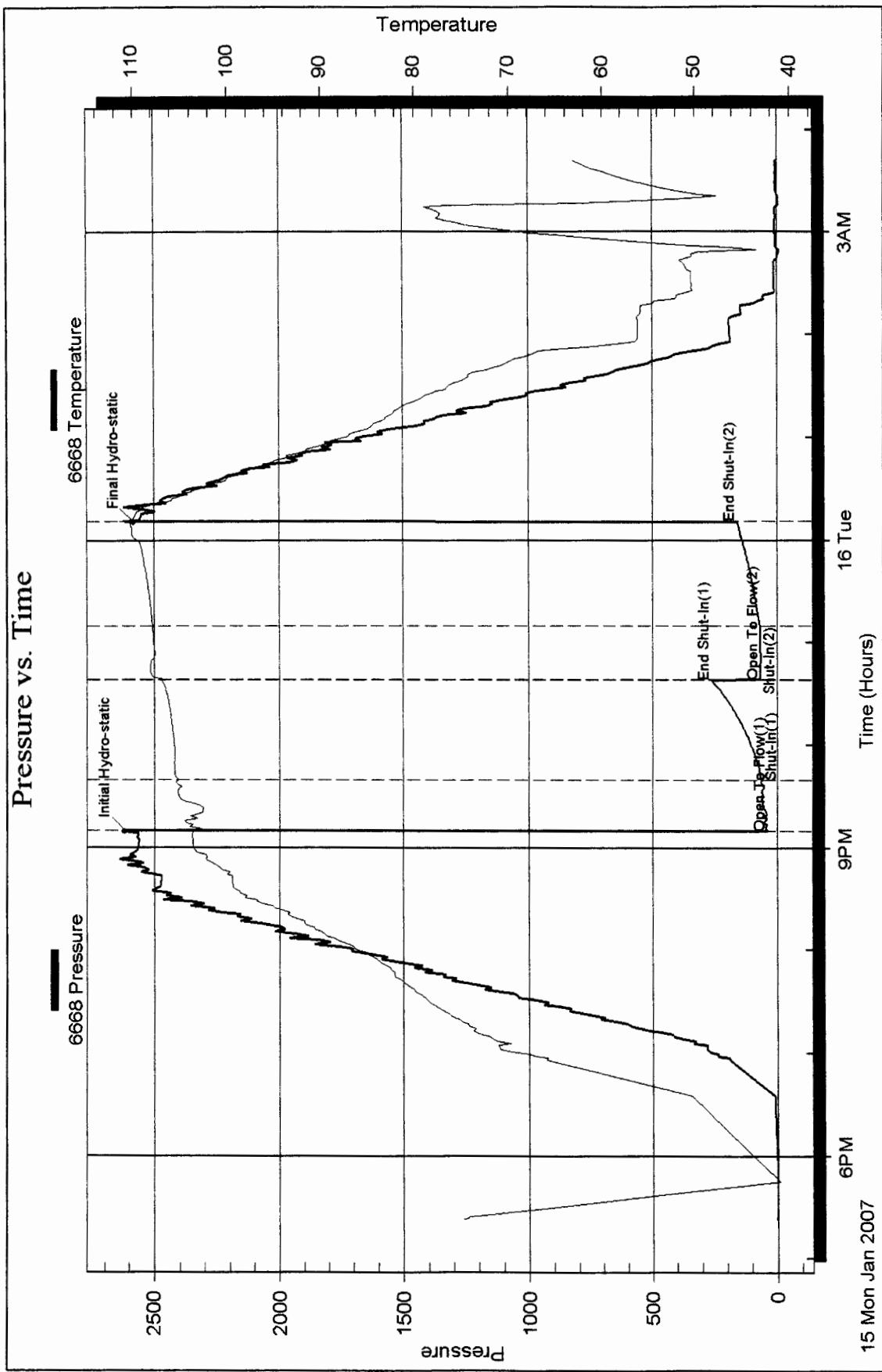
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846-0399

ATTN: Jim Diltz

19 30 23 Clark KS

Esplund #2-19

Start Date: 2007.01.17 @ 10:02:11

End Date: 2007.01.17 @ 20:21:11

Job Ticket #: 25897 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

American Warrior Inc
PO Box 399
Garden City KS 67846-0399
ATTN: Jim Diltz

Esplund #2-19
19 30 23 Clark KS
Job Ticket: 25897 **DST#: 2**
Test Start: 2007.01.17 @ 10:02:11

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 13:30:56

Time Test Ended: 20:21:11

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **5551.00 ft (KB) To 5675.00 ft (KB) (TVD)**

Reference Elevations: 2446.00 ft (KB)

Total Depth: 5675.00 ft (KB) (TVD)

2436.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 159.75 psig @ 5551.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.01.17

End Date:

2007.01.17

Last Calib.: 2007.01.17

Start Time: 10:02:16

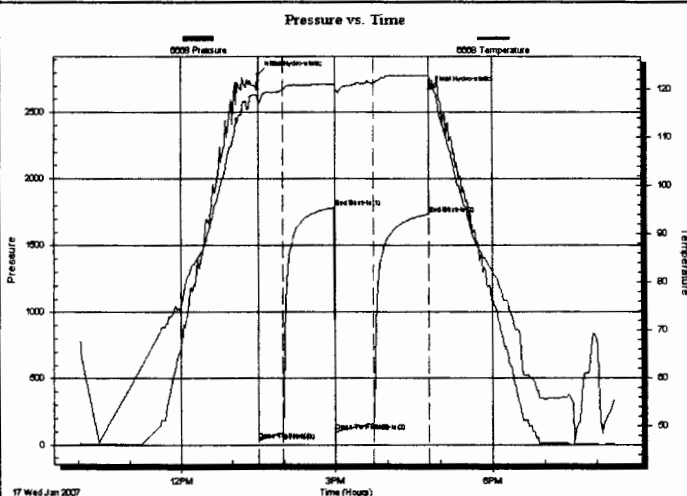
End Time:

20:21:11

Time On Btm: 2007.01.17 @ 13:30:41

Time Off Btm: 2007.01.17 @ 16:46:55

TEST COMMENT: IF Weak blow Building to 2 1/2" in 30 min
ISI Bled off No blow back
FF Weak blow Building to 1" in 45 mins.
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2785.34	117.17	Initial Hydro-static
1	31.80	116.79	Open To Flow (1)
29	88.21	119.76	Shut-In(1)
89	1784.13	120.97	End Shut-In(1)
89	96.08	120.38	Open To Flow (2)
133	159.75	121.21	Shut-In(2)
196	1736.17	122.80	End Shut-In(2)
197	2670.34	122.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Watery Mud 20%W 80%M	0.07
93.00	Muddy Water 60%W 40%M	0.46
202.00	Muddy Water 80%W 20%M	0.99

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
PO Box 399
Garden City KS 67846-0399
ATTN: Jim Diltz

Esplund #2-19
19 30 23 Clark KS
Job Ticket: 25897 **DST#: 2**
Test Start: 2007.01.17 @ 10:02:11

Tool Information

Drill Pipe:	Length: 5174.00 ft	Diameter: 3.80 inches	Volume: 72.58 bbl	Tool Weight: 2100.00 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: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 74.40 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 110000.0 lb
Depth to Top Packer:	5551.00 ft			Final 110000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	124.00 ft			
Tool Length:	152.00 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			5528.00	
Hydraulic tool	5.00			5533.00	
Jars	5.00			5538.00	
Safety Joint	3.00			5541.00	
Packer	5.00			5546.00	28.00 Bottom Of Top Packer
Packer	5.00			5551.00	
Recorder	0.00	6668	Inside	5551.00	
Perforations	15.00			5566.00	
Change Over Sub	1.00			5567.00	
Drill Pipe	93.00			5660.00	
Change Over Sub	1.00			5661.00	
Perforations	11.00			5672.00	
Recorder	0.00	13266	Outside	5672.00	
Bullnose	3.00			5675.00	124.00 Bottom Packers & Anchor

Total Tool Length: 152.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Esplund #2-19

PO Box 399
Garden City KS 67846-0399

19 30 23 Clark KS

Job Ticket: 25897

DST#: 2

ATTN: Jim Diltz

Test Start: 2007.01.17 @ 10:02:11

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.98 in³

Gas Cushion Type:

Resistivity: 1.79 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Watery Mud 20%W 80%M	0.074
93.00	Muddy Water 60%W 40%M	0.457
202.00	Muddy Water 80%W 20%M	0.993

Total Length: 310.00 ft

Total Volume: 1.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

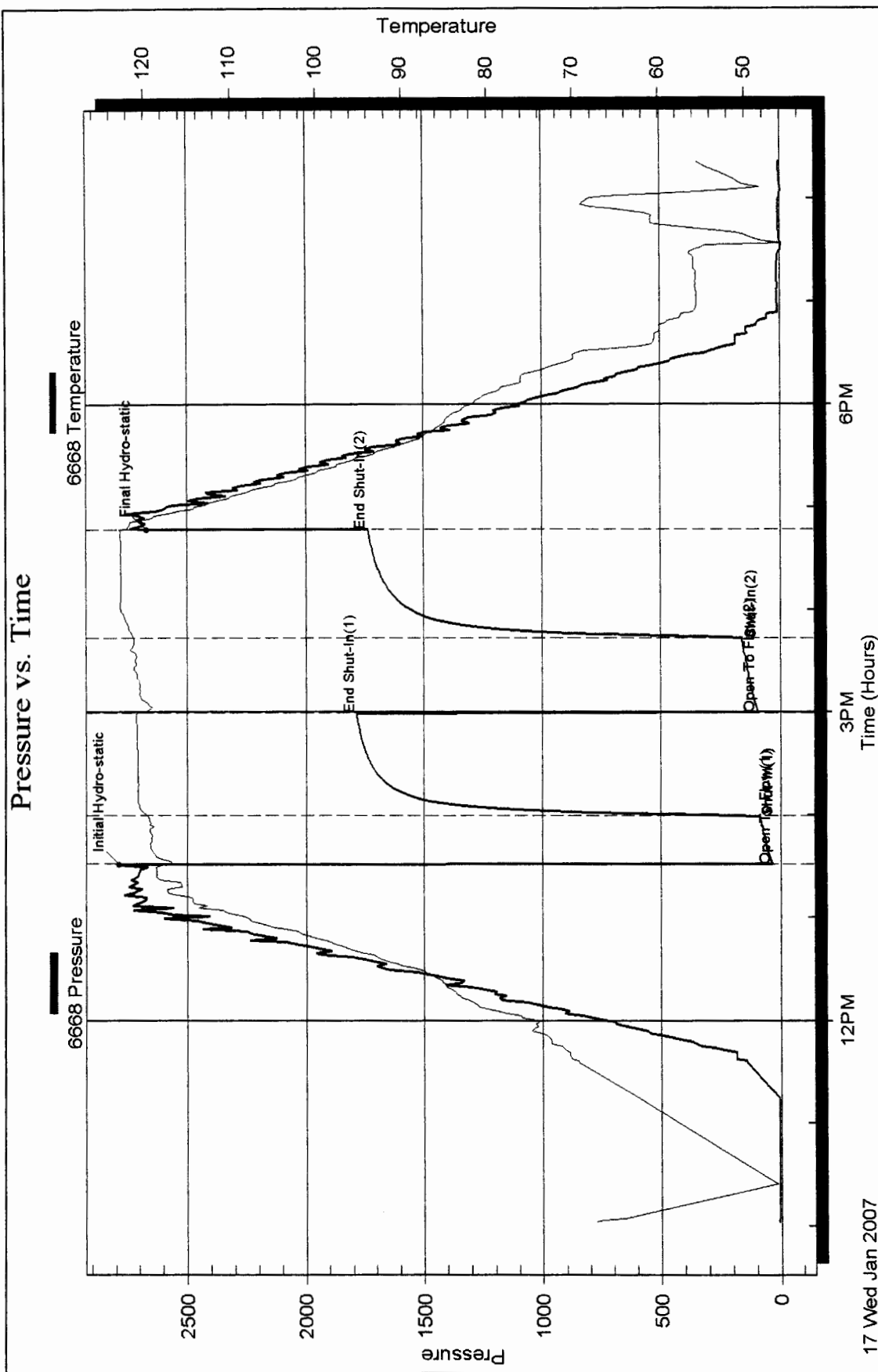


CHART PAGE

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

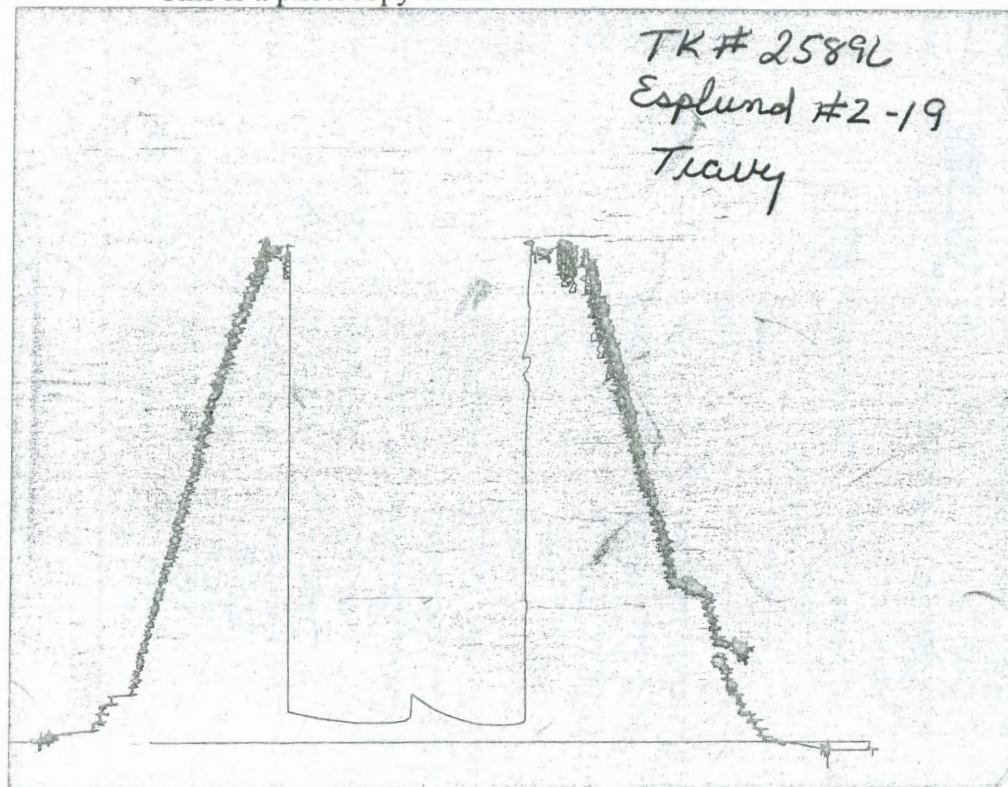


CHART PAGE

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

