

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**
P.O.Box 399
Garden City, K.s. 67846

ATTN: Steve Murphy

10-32s-15w Barber Co

Alexander # 1-10

Start Date: 2006.03.09 @ 16:15:21

End Date: 2006.03.09 @ 23:19:51

Job Ticket #: 24030 DST #: 1

15-007-22983-00-00

E2 SE SE

580 FSL 330 FEL

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

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American Warrior

Alexander # 1-10

10-32s-15w Barber Co

DST # 1

Mississippi

2006.03.09



TRILOBITE
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DRILL STEM TEST REPORT

American Warrior
P.O. Box 399
Garden City, K.s. 67846
ATTN: Steve Murphy

Alexander # 1-10
10-32s-15w Barber Co
Job Ticket: 24030 DST#: 1
Test Start: 2006.03.09 @ 16:15:21

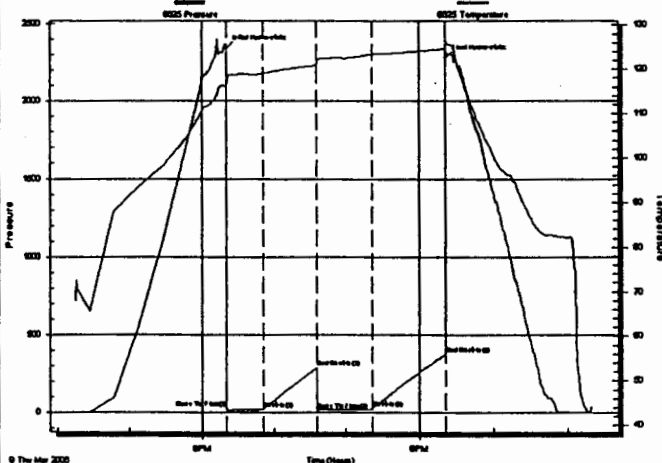
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 18:20:51
Time Test Ended: 23:19:51
Interval: **4824.00 ft (KB) To 4853.00 ft (KB) (TVD)**
Total Depth: **4853.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Gerald Adams**
Unit No: **19**
Reference Elevations: **2029.00 ft (KB)**
2016.00 ft (CF)
KB to GR/CF: **13.00 ft**

Serial #: **6625** Inside
Press@RunDepth: **23.51 psig @ 4825.00 ft (KB)**
Start Date: **2006.03.09** End Date: **2006.03.09** Capacity: **7000.00 psig**
Start Time: **16:15:22** End Time: **23:19:51** Last Calib.: **2006.03.09**
Time On Btm: **2006.03.09 @ 18:20:21**
Time Off Btm: **2006.03.09 @ 21:21:21**

TEST COMMENT: IF: Fair blow . Built to 8".
IS: No blow
FF: Strong blow . B.O.B. in 11 mins.
FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2341.83	116.08	Initial Hydro-static
1	24.30	115.97	Open To Flow (1)
31	18.74	119.03	Shut-In(1)
76	286.03	120.90	End Shut-In(1)
76	11.16	121.04	Open To Flow (2)
122	23.51	123.37	Shut-In(2)
181	371.79	124.58	End Shut-In(2)
181	2279.70	126.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.07
0.00		0.00

Gas Rates

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

TOOL DIAGRAM

American Warrior
P.O.Box 399
Garden City, K.s. 67846
ATTN: Steve Murphy

Alexander # 1-10
10-32s-15w Barber Co
Job Ticket: 24030 DST#: 1
Test Start: 2006.03.09 @ 16:15:21

Tool Information

Drill Pipe:	Length: 4627.00 ft	Diameter: 3.80 inches	Volume: 64.90 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume: 65.79 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4824.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	57.00 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			4801.00	
Hydraulic tool	5.00			4806.00	
Jars	5.00			4811.00	
Safety Joint	3.00			4814.00	
Packer	5.00			4819.00	28.00 Bottom Of Top Packer
Packer	5.00			4824.00	
Stubb	1.00			4825.00	
Recorder	0.00	6625	Inside	4825.00	
Perforations	25.00			4850.00	
Recorder	0.00	11019	Outside	4850.00	
Bullnose	3.00			4853.00	29.00 Bottom Packers & Anchor

Total Tool Length: 57.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Alexander # 1-10

P.O.Box 399
Garden City, K.s. 67846

10-32s-15w Barber Co

Job Ticket: 24030 DST#: 1

ATTN: Steve Murphy

Test Start: 2006.03.09 @ 16:15:21

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:

6000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling Mud	0.074
0.00		0.000

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

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Serial #: 6625

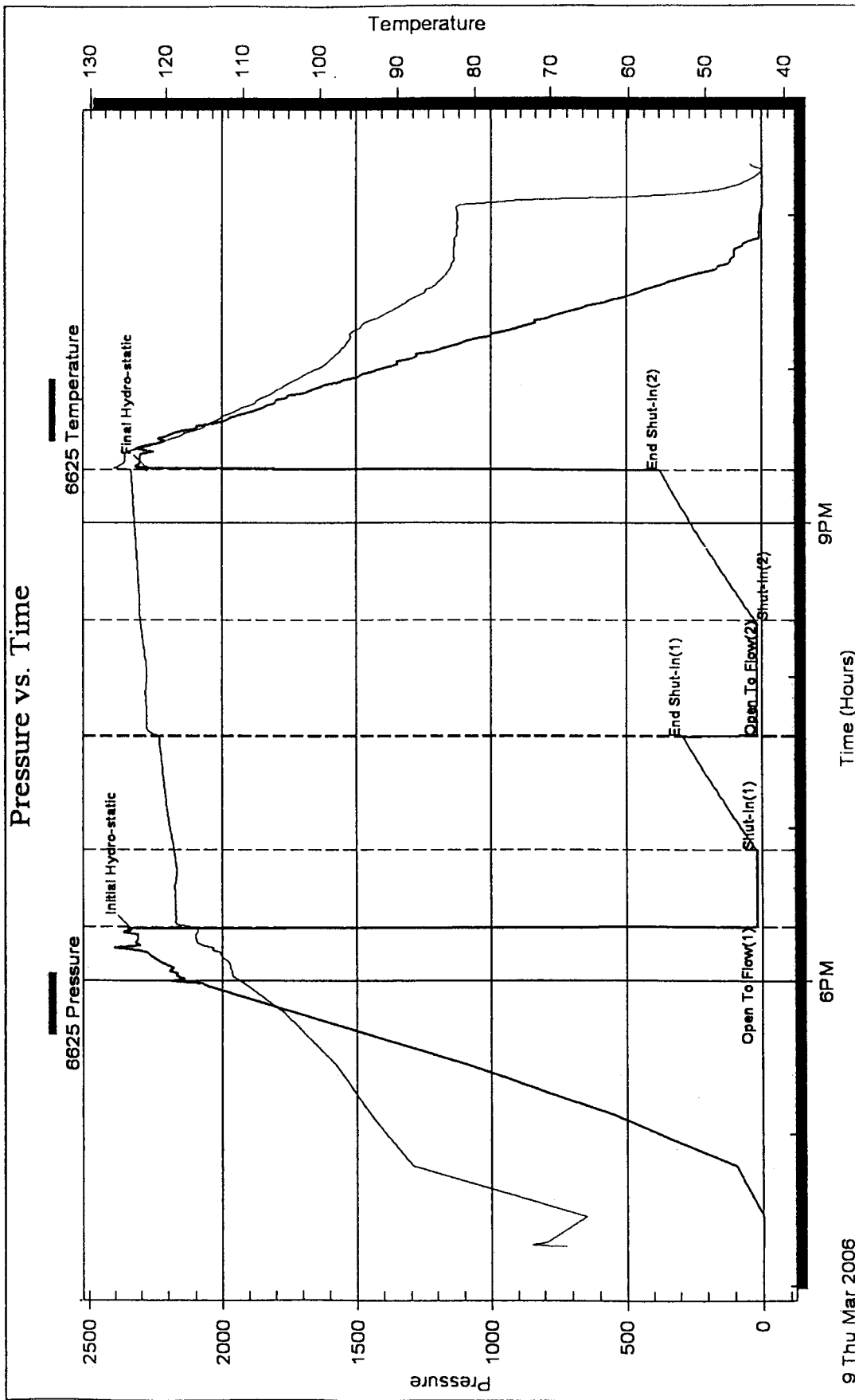
Inside

American Warrior

10-32s-15w Barber Co

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

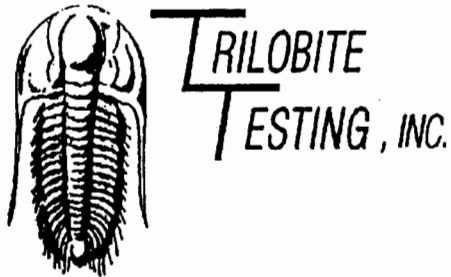
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DRILL STEM TEST REPORT

Prepared For: **American Warrior**

P.O.Box 399
Garden City, K.s. 67846

ATTN: Steve Murphy

10-32s-15w Barber Co

Alexander #1-10

Start Date: 2006.03.10 @ 18:41:07

End Date: 2006.03.11 @ 02:17:37

Job Ticket #: 24031 DST #: 2

Trilobite Testing, Inc

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American Warrior

Alexander #1-10

10-32s-15w Barber Co

DST # 2

Viola

2006.03.10



TRILOBITE
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DRILL STEM TEST REPORT

American Warrior
P.O. Box 399
Garden City, K.s. 67846
ATTN: Steve Murphy

Alexander # 1-10
10-32s-15w Barber Co
Job Ticket: 24031 DST#: 2
Test Start: 2006.03.10 @ 18:41:07

GENERAL INFORMATION:

Formation: Viola
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:48:07
Time Test Ended: 02:17:37

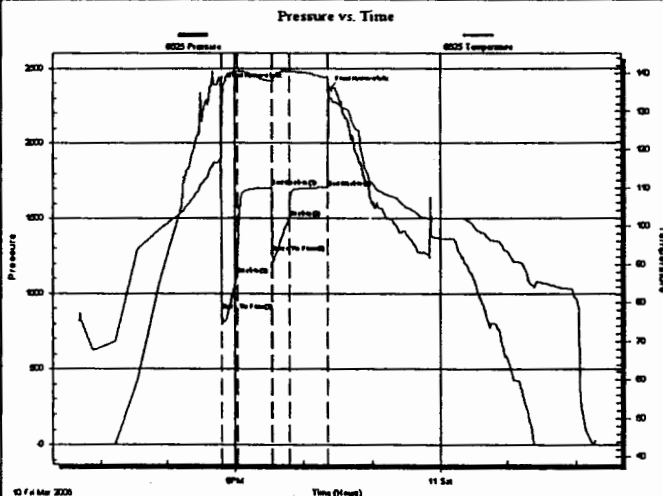
Test Type: Conventional Bottom Hole
Tester: Gerald Adams
Unit No: 19

Interval: 4987.00 ft (KB) To 5023.00 ft (KB) (TVD)
Total Depth: 5023.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2029.00 ft (KB)
2016.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6625 Inside
Press@RunDepth: 1498.43 psig @ 4988.00 ft (KB)
Start Date: 2006.03.10 End Date: 2006.03.11
Start Time: 18:41:08 End Time: 02:17:37
Capacity: 7000.00 psig
Last Calib.: 2006.03.11
Time On Btm: 2006.03.10 @ 20:47:37
Time Off Btm: 2006.03.10 @ 22:21:37

TEST COMMENT: F: Strong blow. B.O.B. in 30 secs.
I: No blow.
FF: Strong blow. B.O.B. in 30 secs.
FS: Very weak surface blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2377.86	117.30	Initial Hydro-static
1	885.65	118.99	Open To Flow (1)
15	1119.84	140.45	Shut-In (1)
45	1703.57	137.83	End Shut-In (1)
46	1270.00	137.86	Open To Flow (2)
60	1498.43	140.43	Shut-In (2)
94	1703.37	138.88	End Shut-In (2)
94	2355.70	135.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2900.00	GCMW 10%g 50%w 40%rn	39.04
0.00	400' GIP	0.00
0.00	RW- 20 @ 52 deg. = 50,000 ppm	0.00
0.00		0.00

Gas Rates

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

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ATTN: Steve Murphy

Alexander # 1-10
10-32s-15w Barber Co
Job Ticket: 24031 DST#: 2
Test Start: 2006.03.10 @ 18:41:07

Tool Information

Drill Pipe:	Length: 4785.00 ft	Diameter: 3.80 inches	Volume: 67.12 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	68.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4987.00 ft			Final	84000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4964.00	
Hydraulic tool	5.00			4969.00	
Jars	5.00			4974.00	
Safety Joint	3.00			4977.00	
Packer	5.00			4982.00	28.00 Bottom Of Top Packer
Packer	5.00			4987.00	
Stubb	1.00			4988.00	
Recorder	0.00	6625	Inside	4988.00	
Perforations	32.00			5020.00	
Recorder	0.00	11019	Outside	5020.00	
Bullnose	3.00			5023.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00

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ATTN: Steve Murphy

Alexander # 1-10
10-32s-15w Barber Co
Job Ticket: 24031 DST#: 2
Test Start: 2006.03.10 @ 18:41:07

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 9.99 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 0.02 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2900.00	GCMV 10%g 50%w 40%m	39.040
0.00	400' GP	0.000
0.00	RV- .20 @ 52 deg. = 50,000 ppm	0.000
0.00		0.000

Total Length: 2900.00 ft Total Volume: 39.040 bbl

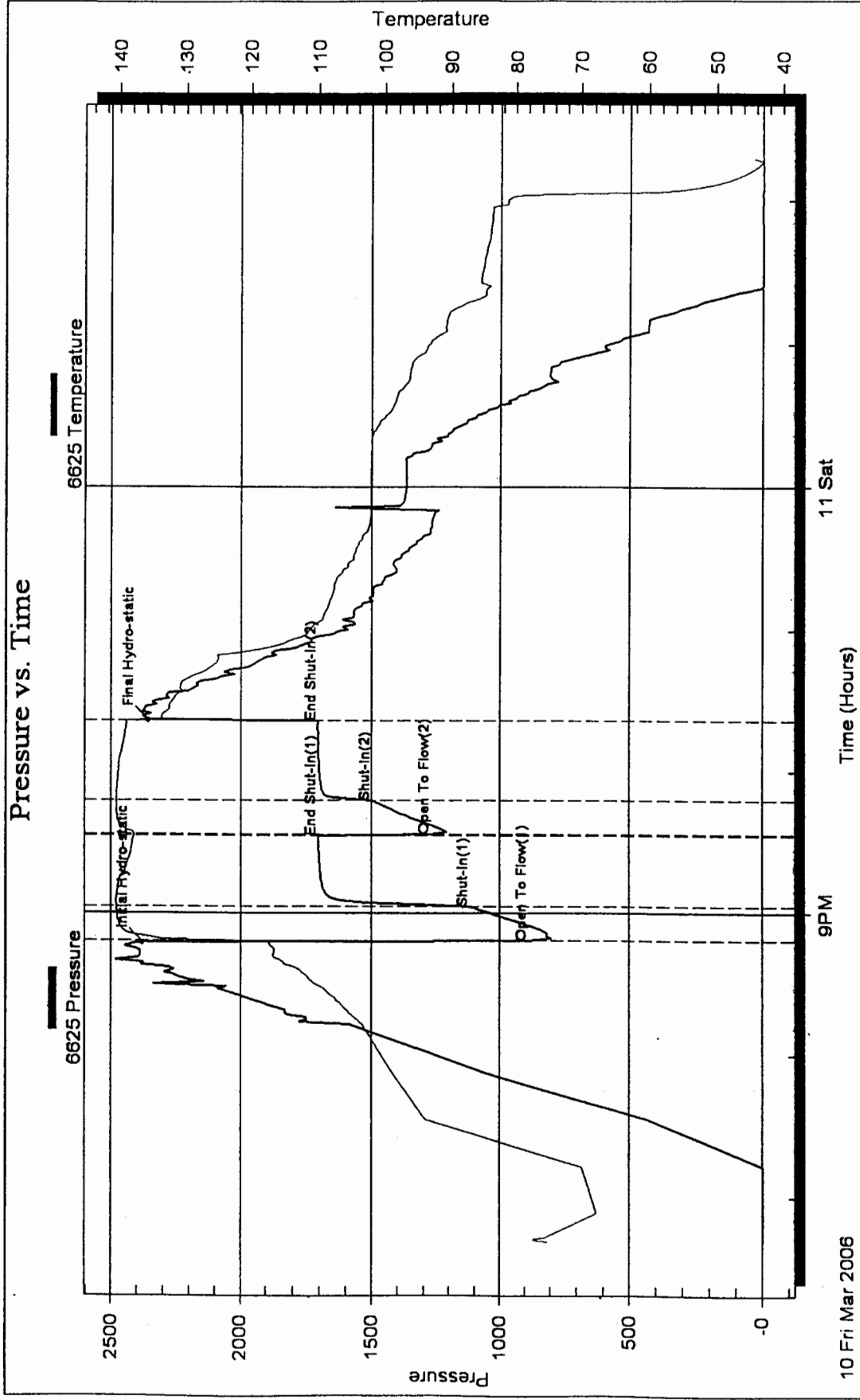
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: Dropped bar and reversed 2900' Muddy Salt Water.

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Pressure vs. Time



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