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DEC 03 2003

KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

ORIGINAL
Prepared For: Great Eastern

CONFIDENTIAL
PO Box 150
Bogue, KS. 67602

KCC

DEC 02 2003

ATTN: Mike Davignon

35-7s-21w-Graham
CONFIDENTIAL

Washington #1

Start Date: 2003.10.13 @ 13:40:19

End Date: 2003.10.13 @ 20:03:49

Job Ticket #: 18184 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CONFIDENTIAL

ORIGINAL


TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Great Eastern

Washington #1

 PO Box 150
 Bogue, Ks. 67625

35-7s-21w-Graham

Job Ticket: 18184

DST#: 1

ATTN: Mike Davignon

Test Start: 2003.10.13 @ 13:40:19

GENERAL INFORMATION:

Formation: LKC "E-F"

Deviated: No Whipstock:

ft (KB)

Time Tool Opened: 15:18:34

Time Test Ended: 20:03:49

KCC

DEC 02 2003

Test Type: Conventional Bottom Hole

Tester: Jason Mclemore

Unit No: 24

Interval: 3345.00 ft (KB) To 3375.00 ft (KB) (TVD)

Total Depth: 3375.00 ft (KB) (TVD)

Hole Diameter: 6.80 inches Hole Condition: Good

Reference Elevations: 2051.00 ft (KB)

2046.00 ft (CF)

KB to GRVCF: 5.00 ft

CONFIDENTIAL

Serial #: 3227

Inside

Press@RunDepth: 137.09 psig @ 3347.00 ft (KB)

Start Date: 2003.10.13

End Date:

2003.10.13

Start Time: 13:40:20

End Time:

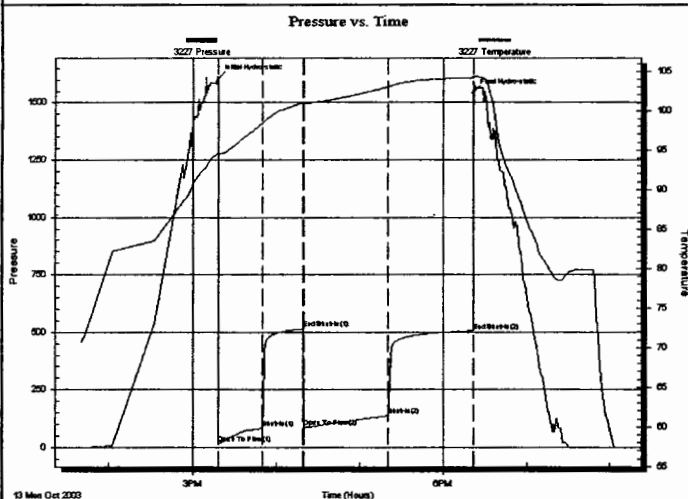
20:03:49

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2003.10.13 @ 15:18:19

Time Off Btm: 2003.10.13 @ 18:21:34

 TEST COMMENT: IFF-Weak Blow, Built to 4 1/2", No Blow back
 FFP- Weak Blow, Built to 3", No Blow back


PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.59	94.61	Initial Hydro-static
1	14.62	94.53	Open To Flow (1)
32	83.60	98.38	Shut-In (1)
61	514.84	100.97	End Shut-In (1)
62	85.74	100.95	Open To Flow (2)
122	137.09	103.02	Shut-In (2)
183	505.21	104.18	End Shut-In (2)
184	1542.20	104.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	Muddy Water	2.46
10.00	Clean Oil	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM																																																																																											
	Great Eastern PO Box 150 Bogue, Ks. 67625 ATTN: Mike Davignon	KCC DEC 02 2003 CONFIDENTIAL	Washington #1 35-7s-21w-Graham Job Ticket: 18184 DST#: 1 Test Start: 2003.10.13 @ 13:40:19																																																																																											
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern

Washington #1

 PO Box 150
 Bogue, Ks. 67625

35-7s-21w-Graham

Job Ticket: 18184

DST#: 1

ATTN: Mike Davignon

Test Start: 2003.10.13 @ 13:40:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

46000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	Muddy Water	2.457
10.00	Clean Oil	0.140

Total Length: 265.00 ft

Total Volume: 2.597 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

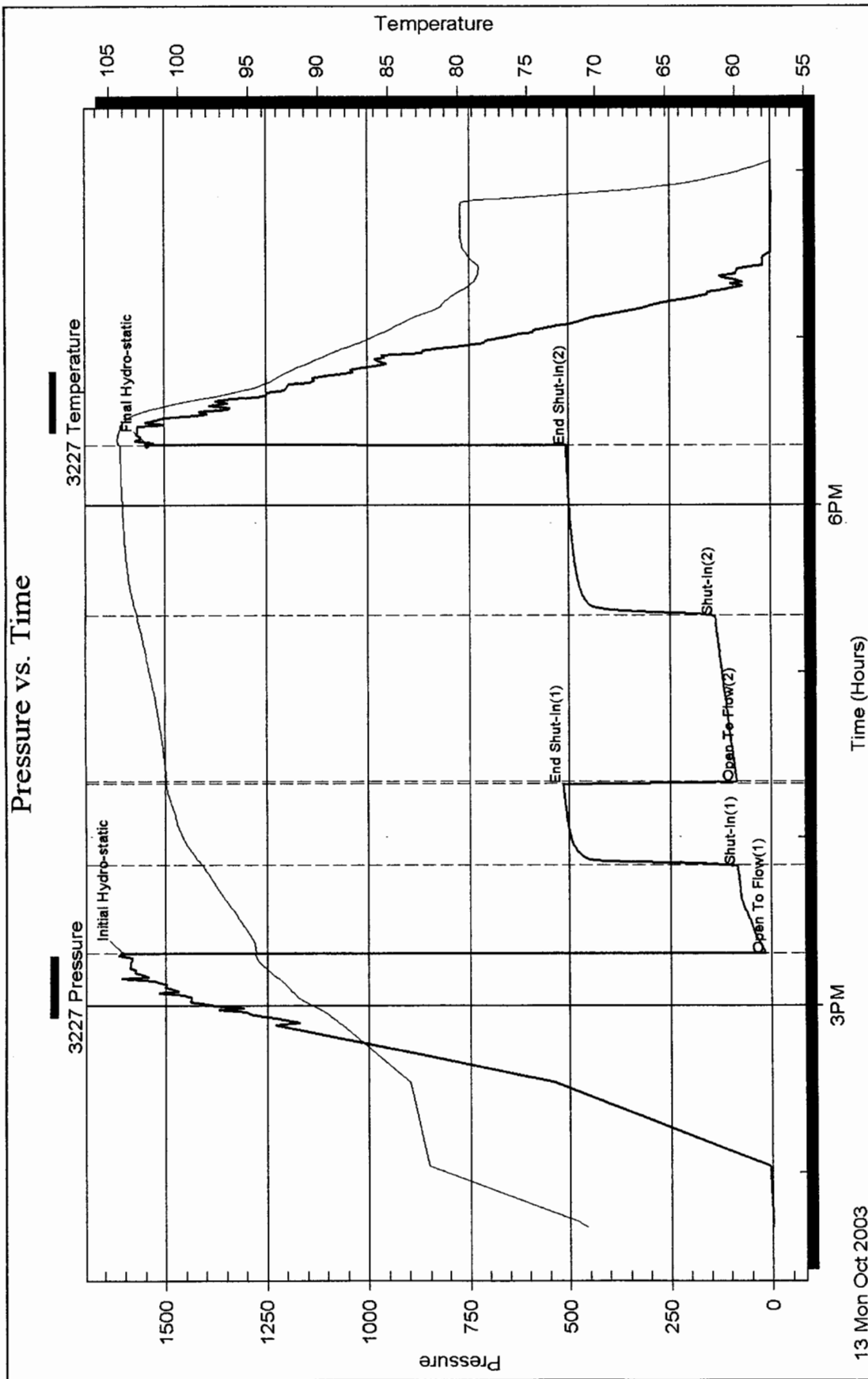
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Eastern**

PO Box 150
Bogue, Ks. 67625

ATTN: Mike Davignon

35-7s-21w-Graham

Washington #1

Start Date: 2003.10.14 @ 09:47:22

End Date: 2003.10.14 @ 13:07:07

Job Ticket #: 18185 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Eastern

Washington #1

35-7s-21w-Graham

DST # 2

Arbuckle

2003.10.14


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Eastern

Washington #1

PO Box 150
Bogue, Ks. 67625

35-7s-21w-Graham

Job Ticket: 18185

DST#: 2

ATTN: Mike Davignon

Test Start: 2003.10.14 @ 09:47:22

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:12:52

Time Test Ended: 13:07:07

Test Type: Conventional Bottom Hole

Tester: Jason Mclemore

Unit No: 24

Interval: **3526.00 ft (KB) To 3555.00 ft (KB) (TVD)**

Reference Elevations: 2051.00 ft (KB)

Total Depth: 3555.00 ft (KB) (TVD)

2046.00 ft (CF)

Hole Diameter: 6.80 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: **6752** Inside

Press@RunDepth: 11.10 psig @ 3527.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.10.14

End Date: 2003.10.14

Last Calib.: 1899.12.30

Start Time: 09:47:23

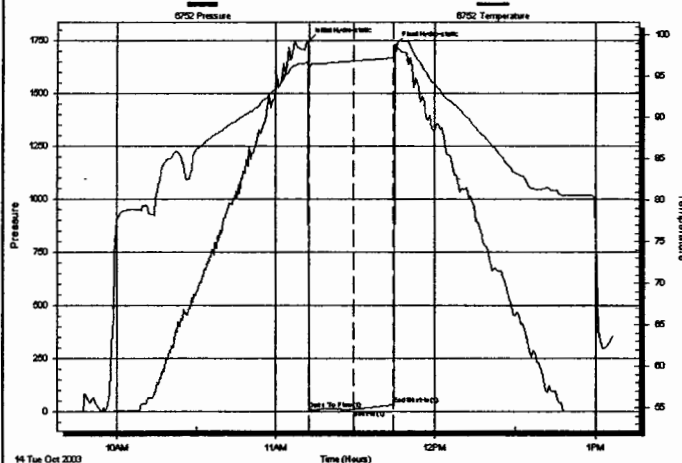
End Time: 13:07:07

Time On Btm: 2003.10.14 @ 11:12:37

Time Off Btm: 2003.10.14 @ 11:45:07

TEST COMMENT: IFP- Weak Surface Blow , Died in 10 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.48	96.85	Initial Hydro-static
1	10.93	95.98	Open To Flow (1)
18	11.10	96.86	Shut-In (1)
32	32.71	97.23	End Shut-In (1)
33	1727.25	97.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud W/Oil Spots	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern

Washington #1

PO Box 150
Bogue, Ks. 67625

35-7s-21w-Graham

Job Ticket: 18185

DST#: 2

ATTN: Mike Davignon

Test Start: 2003.10.14 @ 09:47:22

Tool Information

Drill Pipe:	Length:	3396.00 ft	Diameter:	3.80 inches	Volume:	47.64 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	123.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:	40000.00 lb
					Total Volume:	48.24 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft						String Weight: Initial	37000.00 lb
Depth to Top Packer:	3526.00 ft						Final	37000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	29.00 ft							
Tool Length:	50.00 ft							
Number of Packers:	2	Diameter:	6.75 inches					

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3506.00	
Shut In Tool	5.00			3511.00	
Hydraulic tool	5.00			3516.00	
Packer	5.00			3521.00	21.00 Bottom Of Top Packer
Packer	5.00			3526.00	
Stubb	1.00			3527.00	
Recorder	0.00	6752	Inside	3527.00	
Perforations	25.00			3552.00	
Recorder	0.00	13252	Outside	3552.00	
Bullnose	3.00			3555.00	29.00 Bottom Packers & Anchor
Total Tool Length:	50.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Great Eastern PO Box 150 Bogue, Ks. 67625 ATTN: Mike Davignon	Washington #1 35-7s-21w-Graham Job Ticket: 18185 DST#: 2 Test Start: 2003.10.14 @ 09:47:22	

Mud and Cushion Information			
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 59.00 sec/qt Water Loss: 7.19 in ³ Resistivity: ohm.m Salinity: 900.00 ppm Filter Cake: 1.00 inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	Oil API: Water Salinity: ppm	

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
1.00	Mud W/Oil Spots	0.005

Total Length: 1.00 ft	Total Volume: 0.005 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

DST Test Number: 2

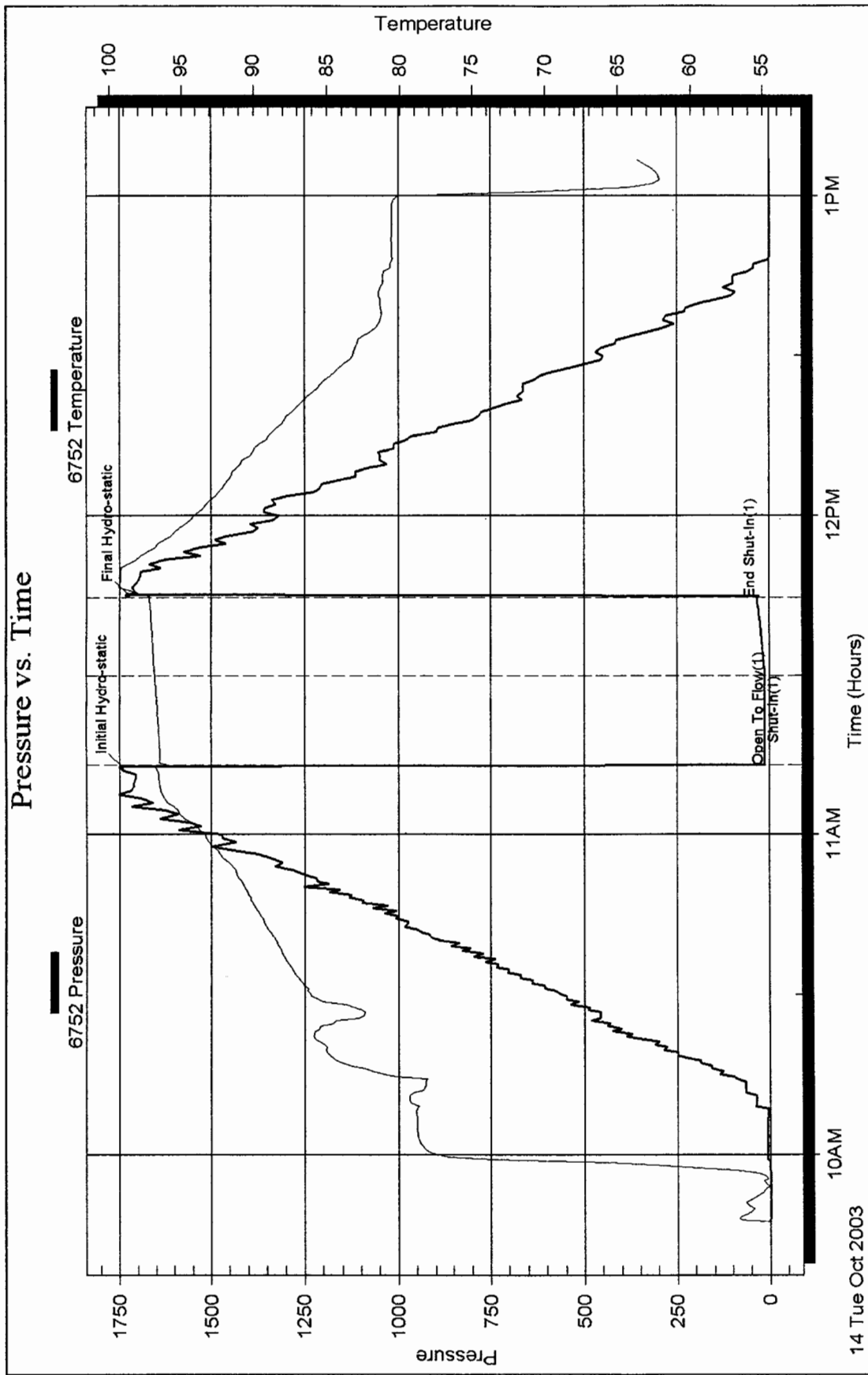
35-7s-21w-Graham

Great Eastern

Inside

Serial #: 6752

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 18185

Printed: 2003.10.17 @ 11:13:38 Page 5