

33-15s-11w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

33 15S11W Russell KS

Foster "C" #1

Start Date: 2006.09.21 @ 10:47:09

End Date: 2006.09.21 @ 18:22:41

Job Ticket #: 26232 DST #: 1

15-167-23382-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Tengasco Inc

Foster "C" #1

33 15S11W Russell KS

US 1 # 1

Trilobite



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

Foster "C" #1

33 15S11W Russell KS

Job Ticket: 26232

DST#: 1

Test Start: 2006.09.21 @ 10:47:09

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:53:42

Time Test Ended: 18:22:41

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 3183.00 ft (KB) To 3241.00 ft (KB) (TVD)

Total Depth: 3241.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1795.00 ft (KB)

1788.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6753

Inside

Press@RunDepth: 33.92 psig @ 3218.01 ft (KB)

Start Date: 2006.09.21

End Date:

2006.09.21

Capacity: 7000.00 psig

Last Calib.: 2006.09.21

Start Time: 10:47:09

End Time:

18:22:41

Time On Btm: 2006.09.21 @ 13:53:12

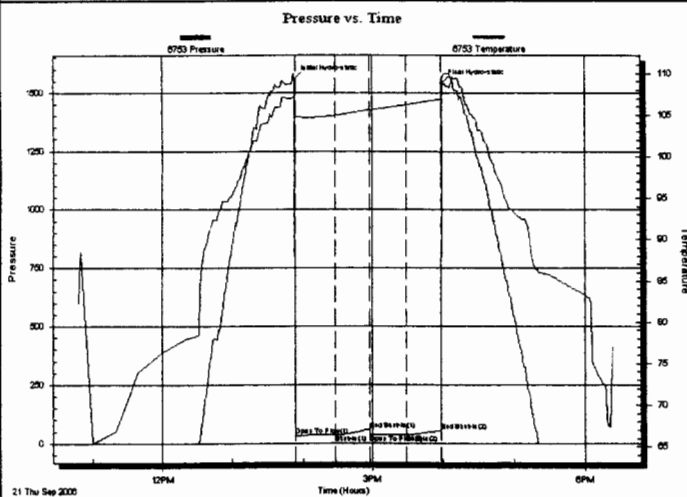
Time Off Btm: 2006.09.21 @ 15:59:11

TEST COMMENT: IFP Wk bl 1/4 " died in 32 min

FFP No bl

Times 35 30 30 30

No bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.12	107.25	Initial Hydro-static
1	32.12	104.86	Open To Flow (1)
35	33.64	104.93	Shut-In(1)
64	57.96	105.62	End Shut-In(1)
65	34.32	105.56	Open To Flow (2)
96	33.92	106.23	Shut-In(2)
126	53.46	106.88	End Shut-In(2)
126	1538.91	109.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM2%O 98%M	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

Foster "C" #1

PO Box 458
Hays KS 67601

33 15S11W Russell KS

Job Ticket: 26232

DST#: 1

ATTN: Rod Trembley

Test Start: 2006.09.21 @ 10:47:09

Tool Information

Drill Pipe:	Length: 2941.00 ft	Diameter: 2.73 inches	Volume: 21.29 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 230.00 ft	Diameter: 2.25 inches	Volume: 1.13 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	22.42 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3183.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	58.02 ft				
Tool Length:	79.02 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			3163.00	
Shut In Tool	5.00			3168.00	
Hydraulic tool	5.00			3173.00	
Packer	5.00			3178.00	21.00 Bottom Of Top Packer
Packer	5.00			3183.00	
Stubb	1.00			3184.00	
Perforations	1.00			3185.00	
Blank Spacing	33.00			3218.00	
Recorder	0.01	6753	Inside	3218.01	
Perforations	20.00			3238.01	
Recorder	0.01	13534	Outside	3238.02	
Bullnose	3.00			3241.02	58.02 Bottom Packers & Anchor

Total Tool Length: 79.02

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Foster "C" #1

PO Box 458
Hays KS 67601

33 15S11W Russell KS

Job Ticket: 26232

DST#: 1

ATTN: Rod Trembley

Test Start: 2006.09.21 @ 10:47:09

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: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	SOCM 2%O 98%M	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

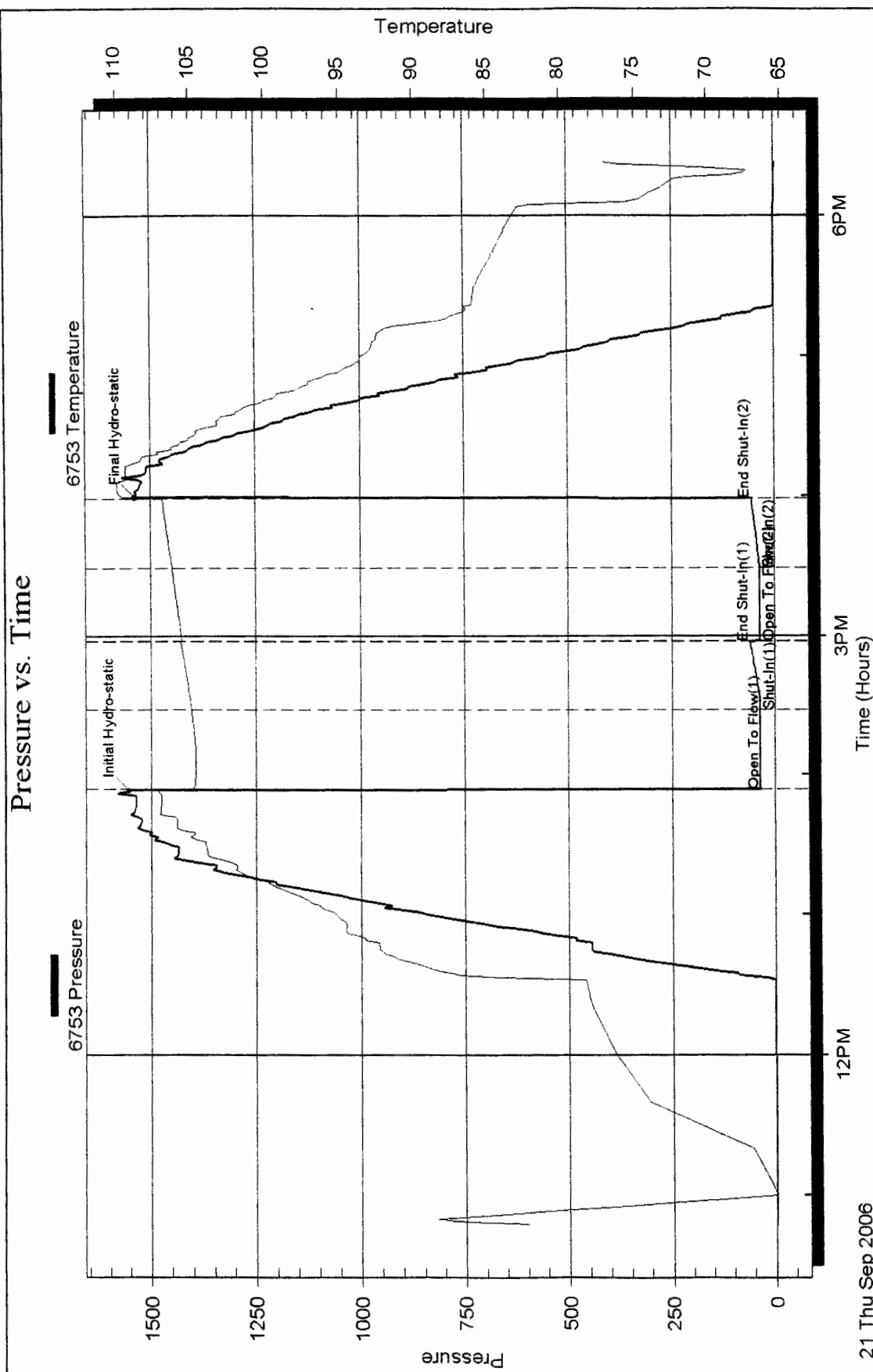
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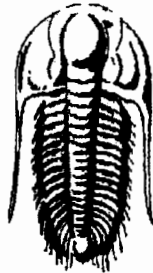
33 15S11W Russell KS

Tengasco Inc

Inside

Serial #: 6753





TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

33 15S11W Russell KS

Foster "C" #1

Start Date: 2006.09.22 @ 12:17:41

End Date: 2006.09.22 @ 20:17:35

Job Ticket #: 26233 DST #: 2

Trilobite Testing, Inc

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Tengasco Inc

Foster "C" #1

33 15S11W Russell KS

DST # 2

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2006.09.25



**TRILOBITE
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DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

Foster "C" #1

33 15S11W Russell KS

Job Ticket: 26233

DST#: 2

Test Start: 2006.09.22 @ 12:17:41

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:12:36

Time Test Ended: 20:17:35

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 28

Interval: **3240.00 ft (KB) To 3256.00 ft (KB) (TVD)**

Total Depth: 3318.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1795.00 ft (KB)

1788.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6753

Inside

Press@RunDepth: 175.99 psig @ 3241.01 ft (KB)

Start Date: 2006.09.22

End Date:

2006.09.22

Capacity: 7000.00 psig

Last Calib.: 2006.09.22

Start Time: 12:17:41

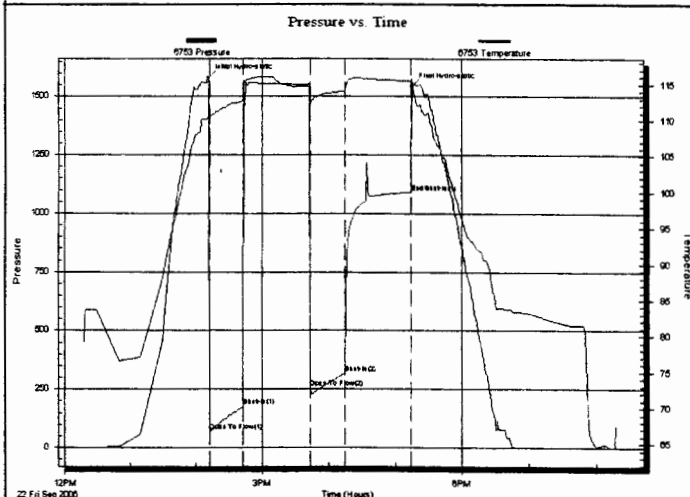
End Time:

20:17:35

Time On Btm: 2006.09.22 @ 14:11:36

Time Off Btm: 2006.09.22 @ 17:14:35

TEST COMMENT: IFF Strg bl in 5 min
FFP Strg bl in 7 min
Times 30 60 30 60
No bl on shut-in packer did not hold when 1st set



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.92	110.70	Initial Hydro-static
1	69.69	109.42	Open To Flow (1)
32	175.99	112.77	Shut-In (1)
92	256.59	112.32	Open To Flow (2)
123	317.31	114.08	Shut-In (2)
183	1090.89	115.44	End Shut-In (1)
183	1542.94	115.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
72.00	CO	0.35
248.00	MGO 10%G 50%O 40%M	1.43
124.00	MGO 15%G 63%O 22%M	0.90
248.00	MGO 20%G 62%O 18%M	1.80
0.00	110' GIP	0.00

Gas Rates

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

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

Foster "C" #1

33 15S11W Russell KS

Job Ticket: 26233

DST#: 2

Test Start: 2006.09.22 @ 12:17:41

Tool Information

Drill Pipe:	Length:	2999.00 ft	Diameter:	2.73 inches	Volume:	21.71 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	230.00 ft	Diameter:	2.25 inches	Volume:	1.13 bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	22.84 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight: Initial	39000.00 lb
Depth to Top Packer:		3240.00 ft					Final	42000.00 lb
Depth to Bottom Packer:		3256.02 ft						
Interval between Packers:		16.02 ft						
Tool Length:		105.03 ft						
Number of Packers:		3	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3220.00	
Shut In Tool	5.00			3225.00	
Hydraulic tool	5.00			3230.00	
Packer	5.00			3235.00	21.00 Bottom Of Top Packer
Packer	5.00			3240.00	
Stubb	1.00			3241.00	
Recorder	0.01	6753	Inside	3241.01	
Perforations	7.00			3248.01	
Recorder	0.01	13534	Outside	3248.02	
Perforations	5.00			3253.02	
Blank Off Sub	1.00			3254.02	
Blank Spacing	2.00			3256.02	16.02 Tool Interval
Packer	5.00			3261.02	
Stubb	1.00			3262.02	
Blank Spacing	58.00			3320.02	
Recorder	0.01	13547	Below	3320.03	
Perforations	1.00			3321.03	
Bullnose	3.00			3324.03	68.01 Bottom Packers & Anchor
Total Tool Length:		105.03			

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DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Foster "C" #1

PO Box 458
Hays KS 67601

33 15S11W Russell KS

Job Ticket: 26233

DST#: 2

ATTN: Rod Trembley

Test Start: 2006.09.22 @ 12:17:41

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
72.00	CO	0.354
248.00	MGO 10%G 50%O 40%M	1.429
124.00	MGO 15%G 63%O 22%M	0.898
248.00	MGO 20%G 62%O 18%M	1.796
0.00	110' GIP	0.000

Total Length: 692.00 ft

Total Volume: 4.477 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

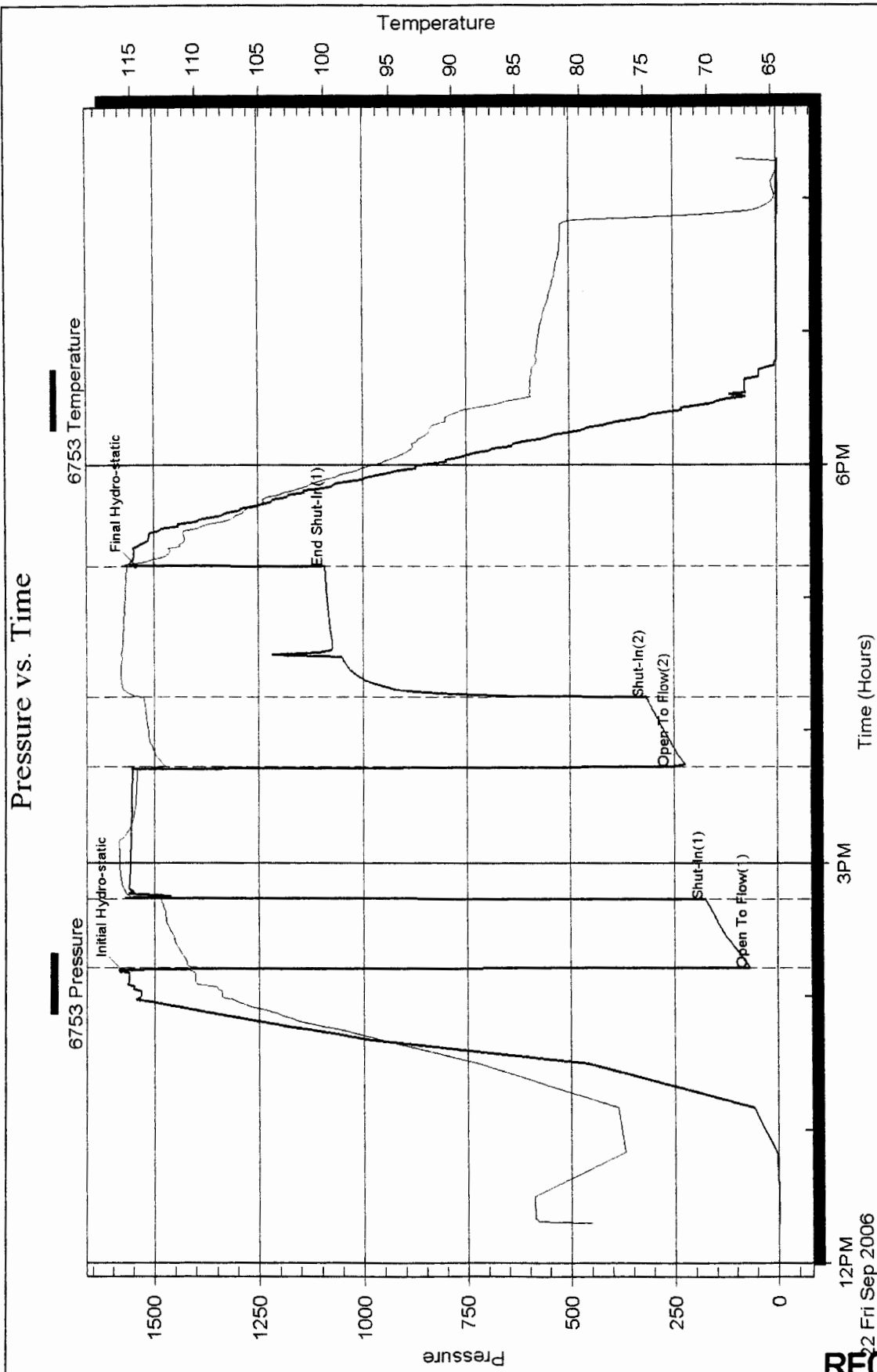
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Inside

Serial #: 6753

Pressure vs. Time



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Ref. No: 26233

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