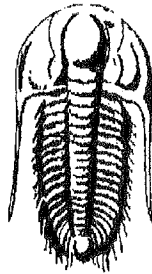


15-007-23193

6-33s-10w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Curtis Covey

6 33 10W Barber KS

Liebl#1

Start Date: 2007.09.22 @ 06:12:46

End Date: 2007.09.22 @ 15:25:01

Job Ticket #: 29391 DST #: 1

CONFIDENTIAL

JAN 10 2008

KCC

Woolsey Operating Co LLC

Liebl#1

6 33 10W Barber KS

DST # 1

Miss.

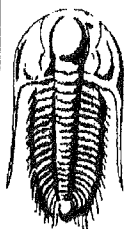
2007.09.22

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

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 10 2008

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Curtis Covey

Liebl#1

6 33 10W Barber KS

Job Ticket: 29391

DST#: 1

Test Start: 2007.09.22 @ 06:12:46

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:39:31

Time Test Ended: 15:25:01

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4560.00 ft (KB) To 4632.00 ft (KB) (TVD)**

Total Depth: 4632.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1627.00 ft (KB)

1618.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167

Inside

Press@RunDepth: 27.30 psig @ 4561.00 ft (KB)

Start Date: 2007.09.22

End Date:

2007.09.22

Start Time: 06:12:51

End Time:

15:25:01

Capacity: 7000.00 psig

Last Calib.: 2007.09.22

Time On Btm: 2007.09.22 @ 08:37:16

Time Off Btm: 2007.09.22 @ 13:13:46

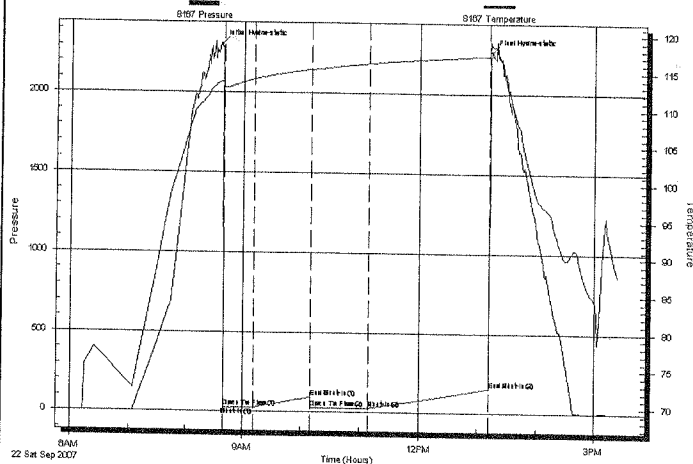
TEST COMMENT: IF Weak blow 1/2 - 2 "

ISI No blow

FF Weak blow 1/2 - 1 1/2 "

FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

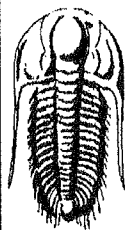
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.24	113.55	Initial Hydro-static
3	27.60	112.81	Open To Flow (1)
34	26.41	113.91	Shut-In (1)
92	92.88	115.26	End Shut-In (1)
92	24.81	115.25	Open To Flow (2)
152	27.30	116.12	Shut-In (2)
275	155.83	117.26	End Shut-In (2)
277	2263.09	118.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	DM	0.12
0.00	Trace of GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Liebl#1

125 N Market Ste 1000
Wichita KS 67202

6 33 10W Barber KS

Job Ticket: 29391

DST#: 1

ATTN: Curtis Covey

Test Start: 2007.09.22 @ 06:12:46

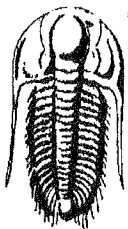
Tool Information

Drill Pipe:	Length: 4525.00 ft	Diameter: 3.80 inches	Volume: 63.47 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: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 71000.00 lb
		Total Volume: 63.62 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4560.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	100.00 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			4533.00	
Shut In Tool	5.00			4538.00	
Hydraulic tool	5.00			4543.00	
Jars	5.00			4548.00	
Safety Joint	3.00			4551.00	
Packer	4.00			4555.00	28.00 Bottom Of Top Packer
Packer	5.00			4560.00	
Stubb	1.00			4561.00	
Recorder	0.00	8167	Inside	4561.00	
Perforations	2.00			4563.00	
Change Over Sub	1.00			4564.00	
Blank Spacing	62.00			4626.00	
Change Over Sub	1.00			4627.00	
Recorder	0.00	13754	Outside	4627.00	
Bullnose	5.00			4632.00	72.00 Bottom Packers & Anchor

Total Tool Length: 100.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Liebl#1

125 N Market Ste 1000
Wichita KS 67202

6 33 10W Barber KS

Job Ticket: 29391

DST#: 1

ATTN: Curtis Covey

Test Start: 2007.09.22 @ 06:12:46

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 10.39 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

5000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	DM	0.123
0.00	Trace of GIP	0.000

Total Length: 25.00 ft

Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

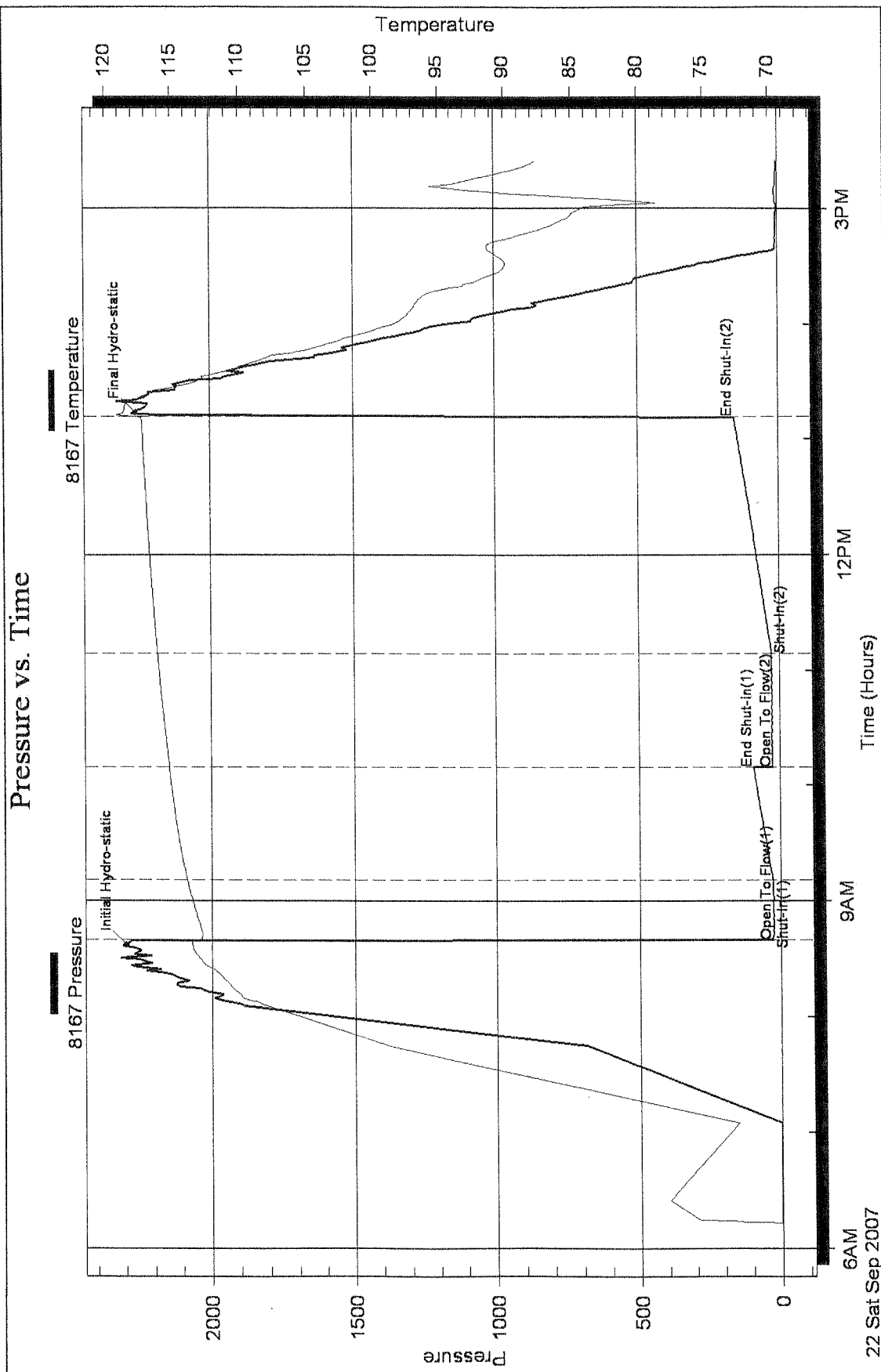
6 33 10W Barber KS

Woodsey Operating Co LLC

Inside

Serial #: 8167

Pressure vs. Time

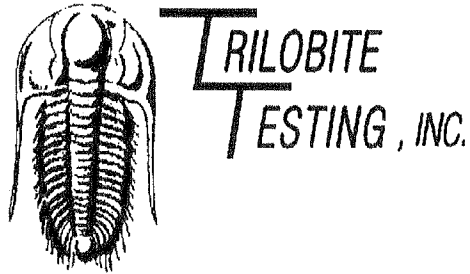


Ref. No: 29391

Printed: 2007.09.28 @ 10:00:36 Page 5

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JAN 10 2008

Trilobite Testing, Inc. KCC



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Curtis Covey

6 33 10W Barber KS

Liebl#1

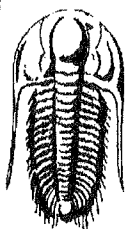
Start Date: 2007.09.23 @ 01:31:17

End Date: 2007.09.23 @ 10:51:47

Job Ticket #: 29392 DST #: 2

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

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JAN 10 2008
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Curtis Covey

Liebl#1

6 33 10W Barber KS

Job Ticket: 29392

DST#: 2

Test Start: 2007.09.23 @ 01:31:17

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 04:20:47

Time Test Ended: 10:51:47

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4634.00 ft (KB) To 4662.00 ft (KB) (TVD)**

Total Depth: **4662.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **1627.00 ft (KB)**

1618.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: **8167**

Inside

Press@RunDepth: **37.30 psig @ 4635.00 ft (KB)**

Start Date: **2007.09.23**

End Date:

2007.09.23

Start Time: **01:31:22**

End Time:

10:51:47

Capacity: **7000.00 psig**

Last Calib.: **2007.09.23**

Time On Btm: **2007.09.23 @ 04:16:02**

Time Off Btm: **2007.09.23 @ 08:50:02**

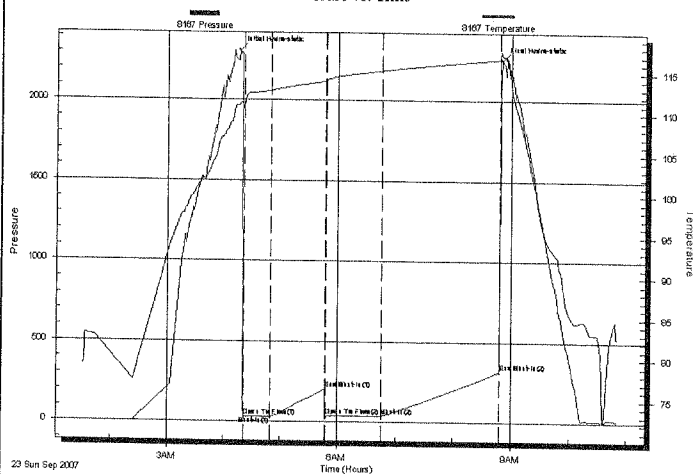
TEST COMMENT: IF Weak blow 1/2 - 3 "

ISI No blow

FF Weak to fair blow 2 - 6 "

FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

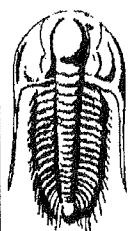
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2309.69	111.13	Initial Hydro-static
5	33.95	110.94	Open To Flow(1)
34	31.41	112.79	Shut-In(1)
92	205.17	113.94	End Shut-In(1)
92	34.95	114.03	Open To Flow(2)
150	37.30	115.25	Shut-In(2)
272	316.85	116.69	End Shut-In(2)
274	2255.69	117.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	DM	0.12
0.00	220 ft. of GIP/Few O/specs @ top of tool	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

Woolsey Operating Co LLC

Liebl#1

125 N Market Ste 1000
Wichita KS 67202

6 33 10W Barber KS

Job Ticket: 29392

DST#: 2

ATTN: Curtis Covey

Test Start: 2007.09.23 @ 01:31:17

Tool Information

Drill Pipe:	Length: 4588.00 ft	Diameter: 3.80 inches	Volume: 64.36 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:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	78000.00 lb
		Total Volume:	64.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4634.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	56.00 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			4607.00	
Shut In Tool	5.00			4612.00	
Hydraulic tool	5.00			4617.00	
Jars	5.00			4622.00	
Safety Joint	3.00			4625.00	
Packer	4.00			4629.00	28.00 Bottom Of Top Packer
Packer	5.00			4634.00	
Stubb	1.00			4635.00	
Recorder	0.00	8167	Inside	4635.00	
Perforations	22.00			4657.00	
Recorder	0.00	13754	Outside	4657.00	
Bullnose	5.00			4662.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Liebl#1

125 N Market Ste 1000
Wichita KS 67202

6 33 10W Barber KS

Job Ticket: 29392

DST#: 2

ATTN: Curtis Covey

Test Start: 2007.09.23 @ 01:31:17

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:

5000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	DM	0.123
0.00	220 ft. of GIP/Few O/specs @ top of tool	0.000

Total Length: 25.00 ft

Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

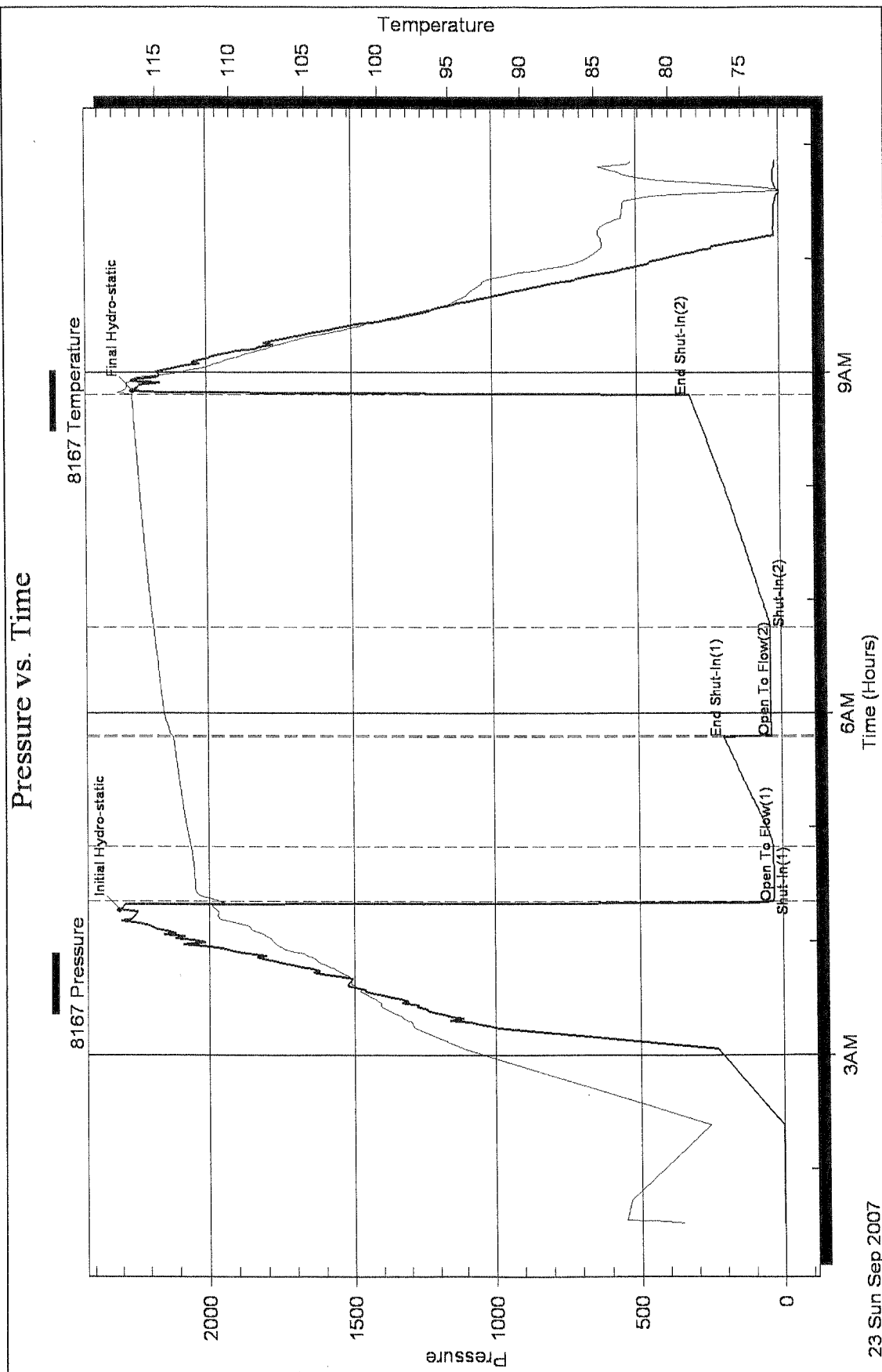
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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JAN 10 2008

Trilobite Testing, Inc KCC