

DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr.and assoc. Inc.**

1515 Wynkoop St.
Suite 700
Denver Co.80202

ATTN: Neil Sharp

6-21s-10w Rice

Wells Trust 1-16

Start Date: 2010.09.06 @ 18:07:05

End Date: 2010.09.06 @ 23:55:09

Job Ticket #: 040384 DST #: 5

Trilobite Testing, Inc

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

Sam Gary Jr.and assoc. Inc.

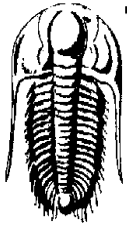
Wells Trust 1-16

6-21s-10w Rice

DST # 5

LKC- "H.J.J."

2010.09.06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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Wells Trust 1-16

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Suite 700
Denver Co. 80202
ATTN: Neil Sharp

6-21s-10w Rice

Job Ticket: 040384

DST#: 5

Test Start: 2010.09.06 @ 18:07:05

GENERAL INFORMATION:

Formation: **LKC- "H,I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:10

Time Test Ended: 23:55:09

Test Type: Conventional Straddle

Tester: Andy Carreira

Unit No: 31

Interval: 3168.00 ft (KB) To 3252.00 ft (KB) (TVD)

Reference Elevations: 1739.00 ft (KB)

Total Depth: 3477.00 ft (KB) (TVD)

1729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8352 Outside

Press@RunDepth: 29.37 psig @ 3169.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.06

End Date:

2010.09.06

Last Calib.:

2010.09.06

Start Time: 18:07:05

End Time:

23:55:10

Time On Btm:

2010.09.06 @ 19:51:30

Time Off Btm:

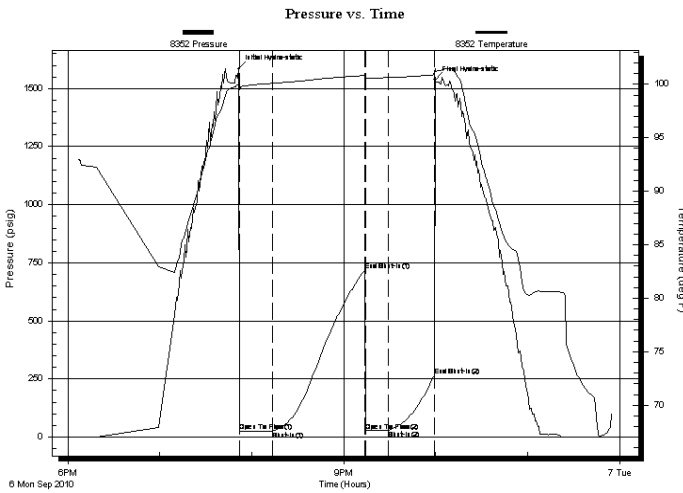
2010.09.06 @ 21:59:40

TEST COMMENT: IF: Weak, died in 17 min.

IS: No Return

FF: No blow

FS: No Return



PRESSURE SUMMARY

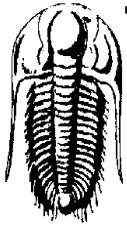
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.00	100.03	Initial Hydro-static
1	23.25	99.49	Open To Flow (1)
23	25.80	100.09	Shut-In(1)
83	718.11	100.83	End Shut-In(1)
83	26.99	100.51	Open To Flow (2)
98	29.37	100.62	Shut-In(2)
128	262.35	100.89	End Shut-In(2)
129	1538.22	101.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M m=100%	0.05

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



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Wells Trust 1-16

6-21s-10w Rice

Job Ticket: 040384

DST#: 5

Test Start: 2010.09.06 @ 18:07:05

GENERAL INFORMATION:

Formation: **LKC- "H,I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:10

Time Test Ended: 23:55:09

Test Type: Conventional Straddle

Tester: Andy Carreira

Unit No: 31

Interval: 3168.00 ft (KB) To 3252.00 ft (KB) (TVD)

Reference Elevations: 1739.00 ft (KB)

Total Depth: 3477.00 ft (KB) (TVD)

1729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8650 **Outside**

Press @ Run Depth: psig @ 3257.00 ft (KB)

Start Date: 2010.09.06

End Date:

2010.09.06

Capacity: 8000.00 psig

Last Calib.: 2010.09.06

Start Time: 18:08:31

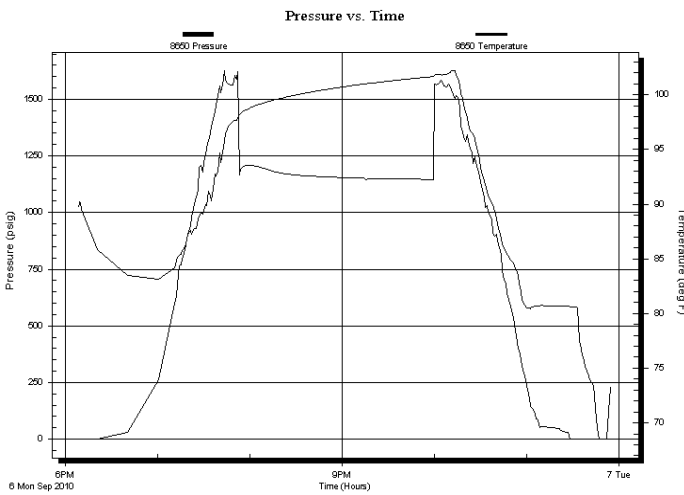
End Time:

23:55:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak, died in 17 min.
IS: No Return
FF: No blow
FS: No Return



PRESSURE SUMMARY

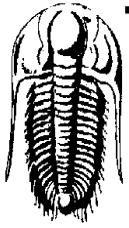
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M m=100%	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



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Sam Gary Jr. and assoc. Inc.

Wells Trust 1-16

1515 Wynkoop St.
Suite 700
Denver Co. 80202
ATTN: Neil Sharp

6-21s-10w Rice

Job Ticket: 040384

DST#: 5

Test Start: 2010.09.06 @ 18:07:05

GENERAL INFORMATION:

Formation: **LKC- "H,I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:10

Time Test Ended: 23:55:09

Test Type: Conventional Straddle

Tester: Andy Carreira

Unit No: 31

Interval: 3168.00 ft (KB) To 3252.00 ft (KB) (TVD)

Reference Elevations: 1739.00 ft (KB)

Total Depth: 3477.00 ft (KB) (TVD)

1729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8017 Inside

Press @ Run Depth: psig @ 3169.00 ft (KB)

Start Date: 2010.09.06

End Date:

2010.09.06

Capacity: 8000.00 psig

Last Calib.:

2010.09.06

Start Time: 18:09:15

End Time:

23:52:50

Time On Btm:

Time Off Btm:

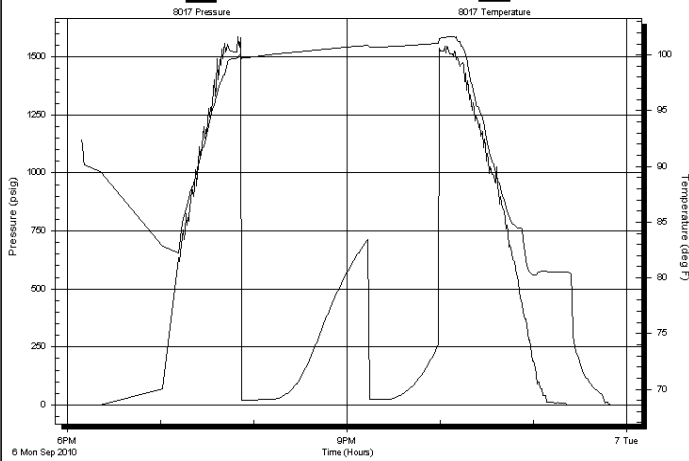
TEST COMMENT: IF: Weak, died in 17 min.

IS: No Return

FF: No blow

FS: No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M m=100%	0.05

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. and assoc. Inc.

Wells Trust 1-16

1515 Wynkoop St.
Suite 700
Denver Co. 80202
ATTN: Neil Sharp

6-21s-10w Rice

Job Ticket: 040384

DST#: 5

Test Start: 2010.09.06 @ 18:07:05

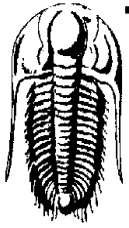
Tool Information

Drill Pipe:	Length: 3032.00 ft	Diameter: 3.80 inches	Volume: 42.53 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.39 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 43.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.39 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3168.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	3252.00 ft			
Interval between Packers:	84.00 ft			
Tool Length:	341.00 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			3141.00	
Shut In Tool	5.00			3146.00	
Hydraulic tool	5.00			3151.00	
Jars	5.00			3156.00	
Safety Joint	3.00			3159.00	
Packer	5.00			3164.00	28.00 Bottom Of Top Packer
Packer	4.00			3168.00	
Stubb	1.00			3169.00	
Recorder	0.00	8017	Inside	3169.00	
Recorder	0.00	8352	Outside	3169.00	
Perforations	5.00			3174.00	
Change Over Sub	1.00			3175.00	
Drill Pipe	62.00			3237.00	
Change Over Sub	1.00			3238.00	
Perforations	9.00			3247.00	
Blank Off Sub	1.00			3248.00	
Blank Spacing	4.00			3252.00	84.00 Tool Interval
Packer	5.00			3257.00	
Recorder	0.00	8650	Outside	3257.00	
Perforations	4.00			3261.00	
Change Over Sub	1.00			3262.00	
Drill Pipe	219.00			3481.00	229.00 Bottom Packers & Anchor

Total Tool Length: 341.00



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FLUID SUMMARY

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6-21s-10w Rice

Job Ticket: 040384

DST#: 5

Test Start: 2010.09.06 @ 18:07:05

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M m=100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

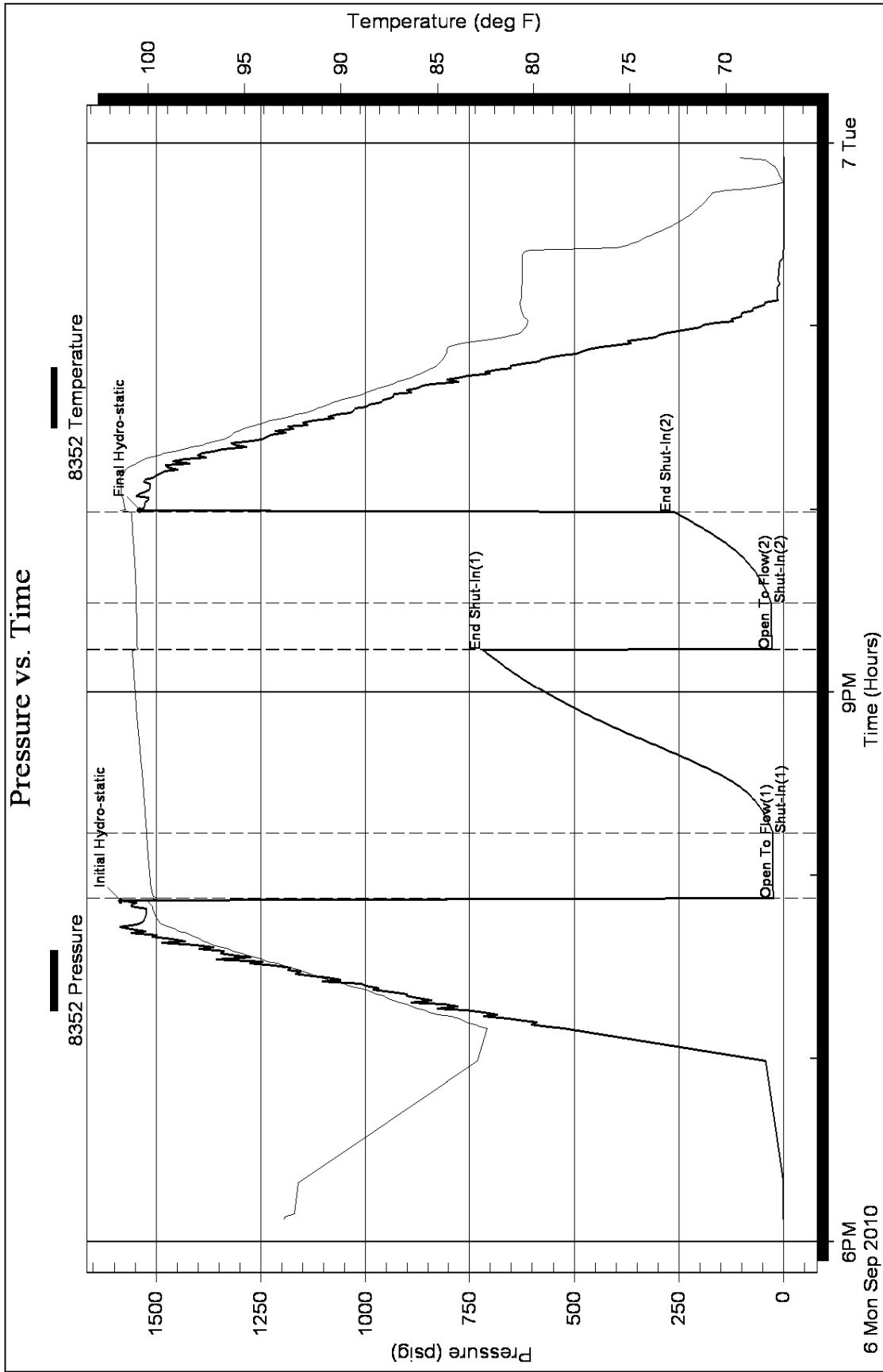
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

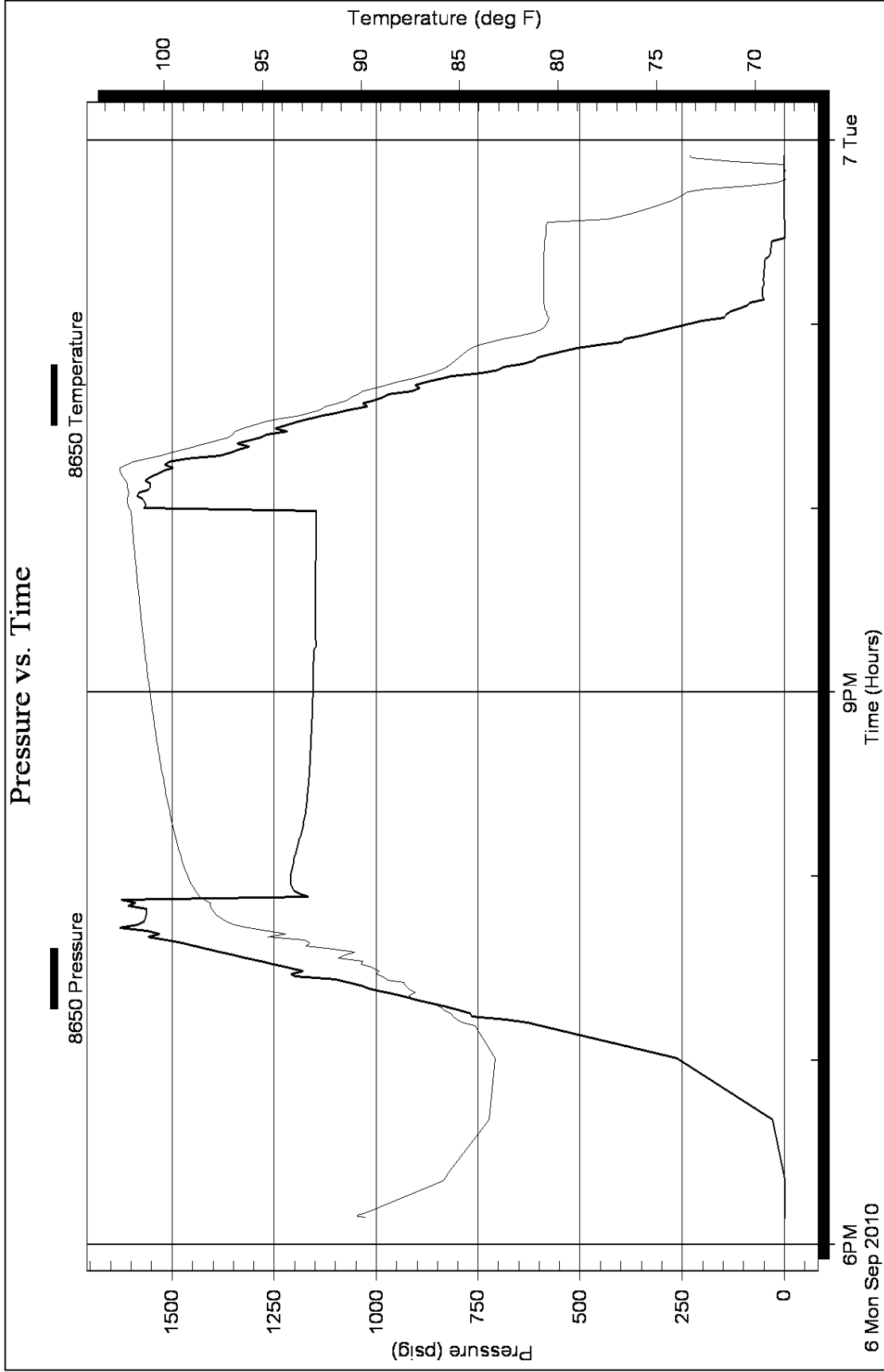


Serial #: 8650

Outside Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 5



Serial #: 8017

Inside

Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 5

