INFORMATION REQUEST NUMBER 2

Please provide a copy of all strip charts for boiler #1 from 12/07/92 through 12/31/92.

Person Responding to this Request:

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Mallinckrodt Specialty Chemicals Company
P.O. Box 17627
Raleigh, NC 27619

10990573

CHESSELL 4200 RECORDER

AMBrown 11/13/92 file name = chessnam.doc

Color	Chan #	Tag #	Name
Violet	1	AT-105	Carbon Monoxide 0-500 ppm
Blue	2	AT-104	Oxygen 0-25 %
Green	3	PT-1	Recycle Pump Pressure 0-200 psig
Orange	4	LT-900	Tar Tank Level 0-100 %
Black	5	FT-513	Boiler 1 Steam Flow 0-15000 #/hr.
Orange	6	FT-301	Natural Gas Flow 0-450 scfm
Violet	7	FT-220	Inlet Air Flow 0-6000 scfm
Red	8	FT-406	Tar Flow 0-2 gpm
Green	9	TT-106	Chamber Temp 0-3100 deg f.
Orange	10	TT-107	Exhaust Stack Temp 0-1000 deg f.
no trace	11	CALCT	In Calibration Contact
Blue	12	TT-900	Tar Tank Temp 0-200
Black	D1	CO AVG	CO Hourly Average
Blue	D2	Temp Avg	Chamber Temp Hourly Avg.
no trace	T1	Tar Totalizer	Tar Flow Totalizer no trace
ALSO ON	D3	Tar Avg	Tar Flow - Hourly (Rolling) Average

CHARTS - HOURLY RECORD
12/7/92 - 12/31/92:

VW
8/17/93

FT-513 - BOILER STM FLOW X 10

01)	5.2	PPM	AT-105
02)	8.63	%	AT-104
03)	-1.2	PSIG	PT-1
04)	54.6	%	LT-900
05)	673	#/HR	FT-513
06)	106.9	CFM	FT-301
07)	2228.4	CFM	FT-220
08)	[redacted]		
09)	2064.7	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.49	°C	T-900
D01)	5.0	PPM	CO AVG
D02)	2063.6	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	643	CFM	NG X 10

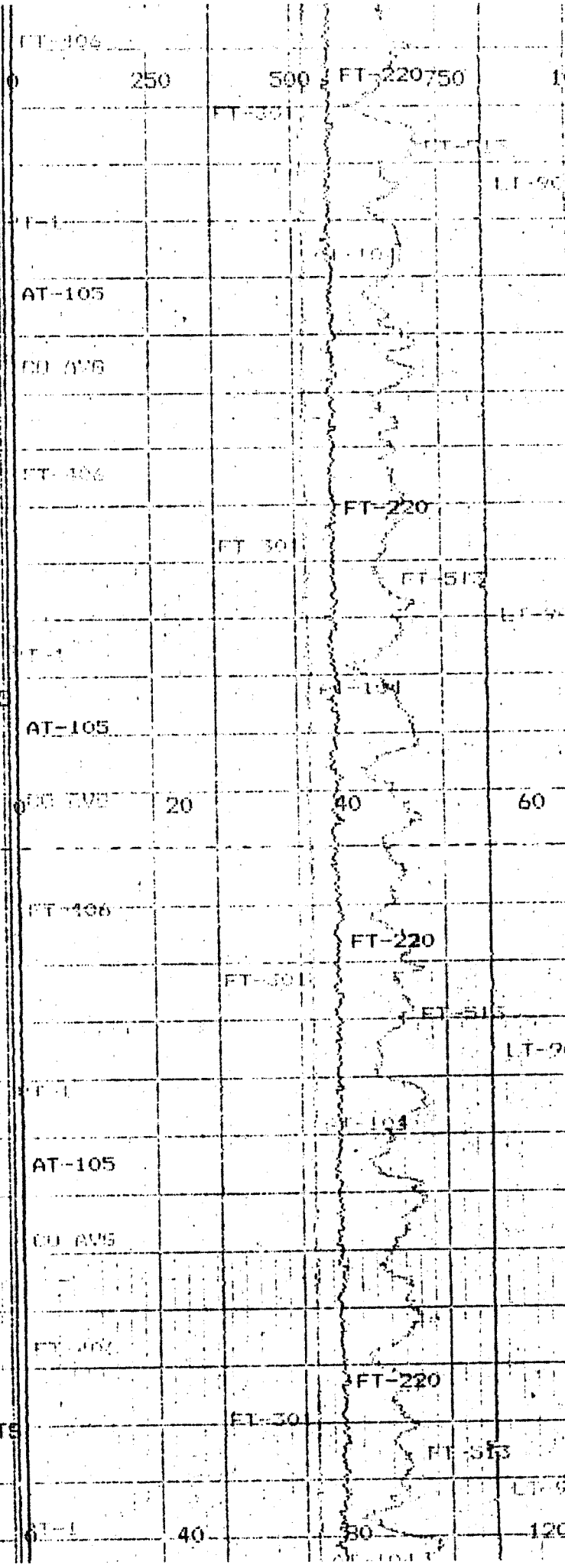
01:00:00 12/07/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01)	4.6	PPM	AT-105
02)	8.60	%	AT-104
03)	-1.1	PSIG	PT-1
04)	54.7	%	LT-900
05)	649	#/HR	FT-513
06)	107.1	CFM	FT-301
07)	2266.2	CFM	FT-220
08)	[redacted]		
09)	2062.5	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.61	°C	T-900
D01)	5.1	PPM	CO AVG
D02)	2063.0	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	851	Gal	Tar Tot
T02)	8203	CFM	NG X 10

00:00:00 12/07/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECV PRESS



FT-406 TAR FLOW

6.9m

01)	4.7	PPM	AT-105
02)	8.57	%	AT-104
03)	-1.2	PSIG	PT-1
04)	54.7	%	LT-900
05)	694	#/HR	FT-513
06)	107.1	CFM	FT-301
07)	2226.3	CFM	FT-220
08)	0.00	GPM	[redacted]
09)	2064.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.54	°C	T-900
D01)	4.9	PPM	CO AVG
D02)	2064.2	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	2570	CFM	NG X 10

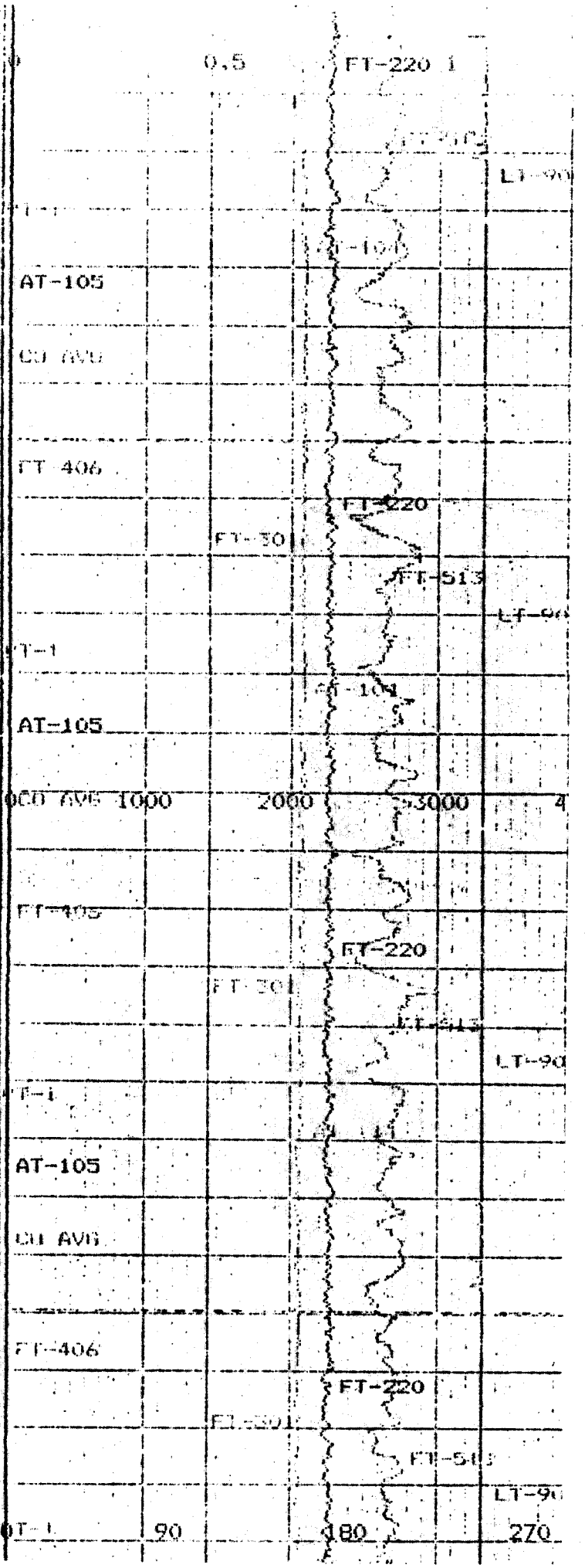
7.0m 04:00:00 12/07/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	4.8	PPM	AT-105
02)	8.51	%	AT-104
03)	-1.2	PSIG	PT-1
04)	54.7	%	LT-900
05)	640	#/HR	FT-513
06)	107.1	CFM	FT-301
07)	2220.2	CFM	FT-220
[redacted]			
09)	2064.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.66	°C	T-900
D01)	4.9	PPM	CO AVG
D02)	2064.6	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	1928	CFM	NG X 10

7.1m 03:00:00 12/07/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301



CO AVG CO ROLLING AVERAGE

01)	5.2	PPM	AT-105
02)	8.63	%	AT-104
03)	-1.2	PSIG	PT-1
04)	54.7	%	LT-900
05)	638	#/HR	FT-513
06)	107.0	CFM	FT-301
07)	2249.8	CFM	FT-220
[redacted]			
09)	2064.7	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.65	°C	T-900
D01)	4.9	PPM	CO AVG
D02)	2064.7	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	4502	CFM	NG X 10

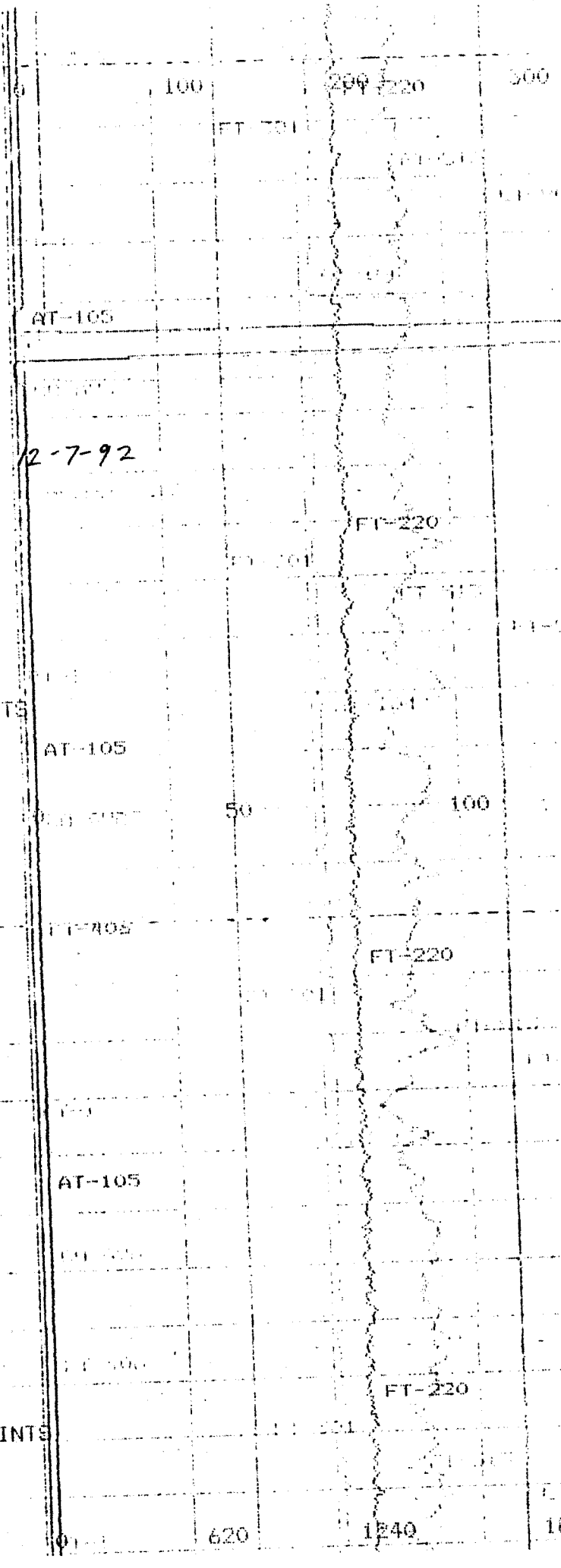
07:00:00 12/07/92 JOB LOG BOILER 1 POINTS

WB 1st 12-7-92

T-900 T-900 TEMP

01)	4.6	PPM	AT-105
02)	8.51	%	AT-104
03)	-1.2	PSIG	PT-1
04)	54.7	%	LT-900
05)	663	#/HR	FT-513
06)	107.5	CFM	FT-301
07)	2211.8	CFM	FT-220
[redacted]			
09)	2063.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.47	°C	T-900
D01)	4.8	PPM	CO AVG
D02)	2064.3	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	3859	CFM	NG X 10

06:00:00 12/07/92 JOB LOG BOILER 1 POINTS



Chessel CHART No. GD244101U100

AT-104 BOILER 1 O2 READING

01)	4.4	PPM	AT-105
02)	8.66	%	AT-104
03)	-0.5	PSIG	PT-1
04)	54.8	%	LT-900
05)	1017	#/HR	FT-513
06)	108.2	CFM	FT-301
07)	2283.2	CFM	FT-220
[redacted]			
09)	2066.1	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.53	°C	T-900
D01)	4.4	PPM	CO AVG
D02)	2066.2	DEG F	TEMP AV
D03)	0.0		TarAvg
I01)	0	Gal	Tar Tot
I02)	6438	CFM	NG X 10

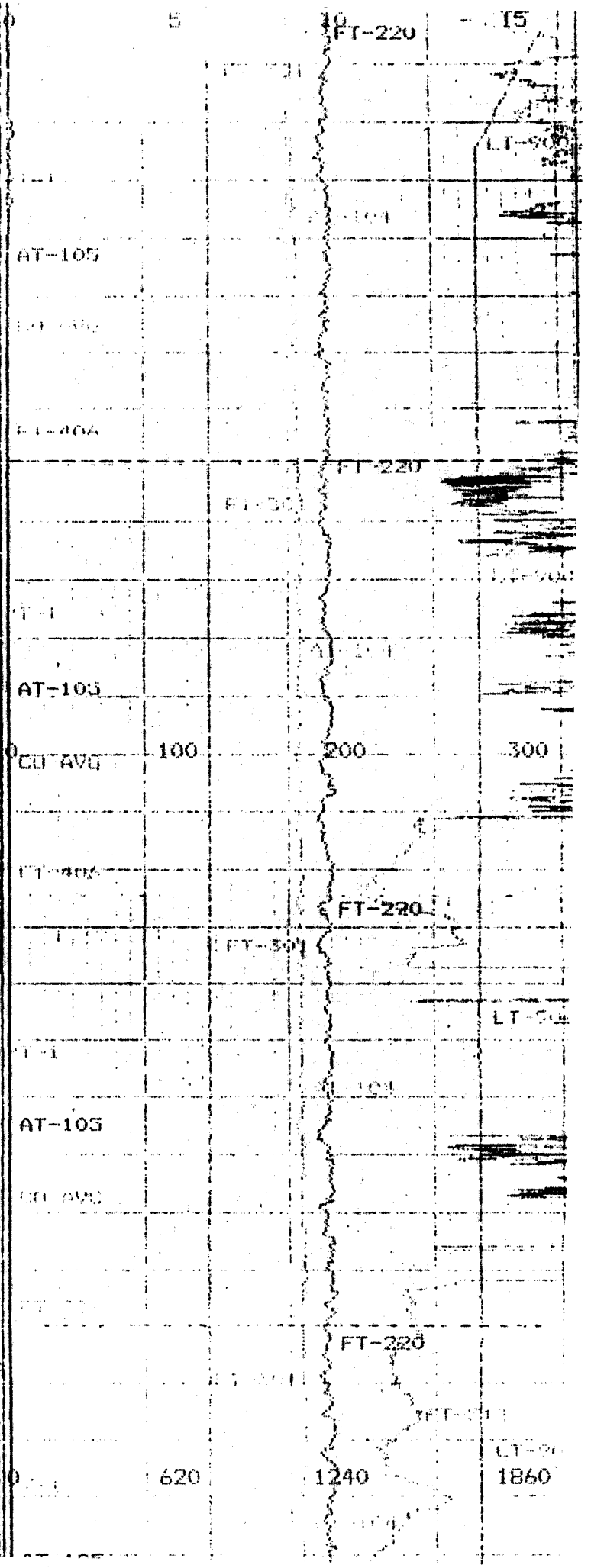
10:00:00 12/07/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	4.4	PPM	AT-105
02)	8.60	%	AT-104
03)	-1.2	PSIG	PT-1
04)	54.7	%	LT-900
05)	676	#/HR	FT-513
06)	107.2	CFM	FT-301
07)	2206.0	CFM	FT-220
[redacted]			
09)	2065.8	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.36	°C	T-900
D01)	4.5	PPM	CO AVG
D02)	2065.1	DEG F	TEMP AV
D03)	0.0		TarAvg
I01)	0	Gal	Tar Tot
I02)	5790	CFM	NG X 10

09:00:00 12/07/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE



09)	[illegible].4 DEG F	TT-106
10)	>RANGE °F	TT-107
11)	OFF	11
12)	130.89 °C	T-900
D01)	4.6 PPM	CO AVG
D02)	2064.2 DEG F	TEMP AV
D03)	0.0	TarAvg
T01)	0 Gal	Tar Tot
T02)	8398 CFM	NG X 10

13:00:00 12/07/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01)	4.6 PPM	AT-105
02)	8.45 %	AT-104
03)	-0.5 PSIG	PT-1
04)	95.4 %	LT-900
05)	995 #/HR	FT-513
06)	109.0 CFM	FT-301
07)	2267.6 CFM	FT-220
[redacted]		
09)	2064.6 DEG F	TT-106
10)	>RANGE °F	TT-107
11)	OFF	11
12)	131.39 °C	T-900
D01)	4.6 PPM	CO AVG
D02)	2064.4 DEG F	TEMP AV
D03)	0.0	TarAvg
T01)	0 Gal	Tar Tot
T02)	7742 CFM	NG X 10

12:00:00 12/07/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	4.6 PPM	AT-105
02)	8.49 %	AT-104
03)	-0.5 PSIG	PT-1
04)	70.7 %	LT-900
05)	993 #/HR	FT-513
06)	108.8 CFM	FT-301
07)	2266.4 CFM	FT-220
[redacted]		
09)	2065.5 DEG F	TT-106
10)	>RANGE °F	TT-107
11)	OFF	11

D01) 5.0 PPM CO AVG
D02) 2.6 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 0 Gal Tar Tot
T02) 10389 CFM NG X 10
16:00:00 12/07/92 JOB LOG BOILER 1 POINTS

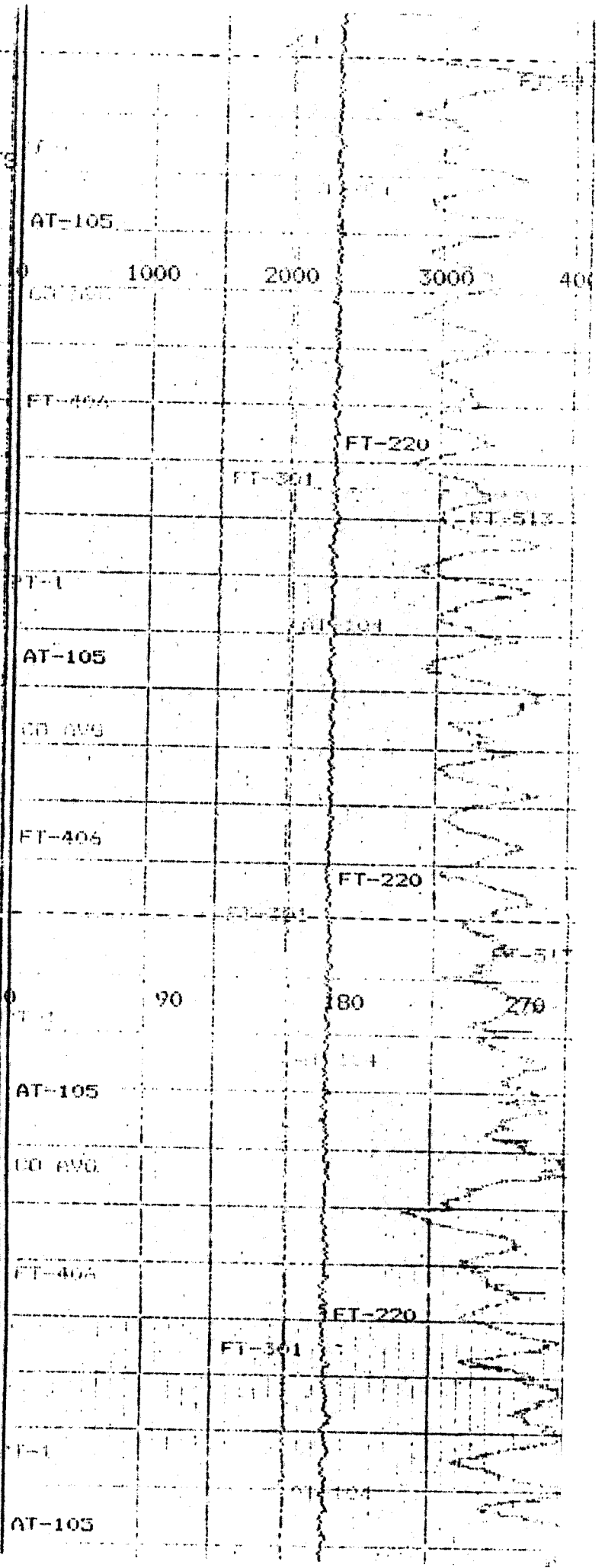
FT-220 BOILER 1 AIR FLOW

01)	5.2	PPM	AT-105
02)	8.22	%	AT-104
03)	-0.5	PSIG	PT-1
04)	95.0	%	LT-900
05)	869	#/HR	FT-513
06)	110.7	CFM	FT-301
07)	2267.3	CFM	FT-220
[redacted]			
09)	2062.5	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	129.86	°C	T-900
D01)	5.0	PPM	CO AVG
D02)	2063.5	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	9723	CFM	NG X 10

15:00:00 12/07/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	5.2	PPM	AT-105
02)	8.25	%	AT-104
03)	-0.4	PSIG	PT-1
04)	95.0	%	LT-900
05)	954	#/HR	FT-513
06)	110.7	CFM	FT-301
07)	2275.2	CFM	FT-220
[redacted]			
09)	2062.4	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	130.36	°C	T-900
D01)	4.7	PPM	CO AVG
D02)	2063.7	DEG F	TEMP AV
D03)	0.0		TarAvg



T01) 0 Gal Tar Tot
T02) .2369 CFM NG X 10
19:00:00 12/07/92 JOB LOG BOILER 1 POINTS

5.1m

T-900 T-900 TEMP

01)	5.0	PPM	AT-105
02)	8.34	%	AT-104
03)	-0.5	PSIG	PT-1
04)	94.9	%	LT-900
05)	814	#/HR	FT-513
06)	109.3	CFM	FT-301
07)	2259.7	CFM	FT-220
08)	0.00	GPM	FT-406
09)	2064.7	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.51	°C	T-900
D01)	5.0	PPM	CO AVG
D02)	2062.4	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	11714	CFM	NG X 10

18:00:00 12/07/92 JOB LOG BOILER 1 POINTS

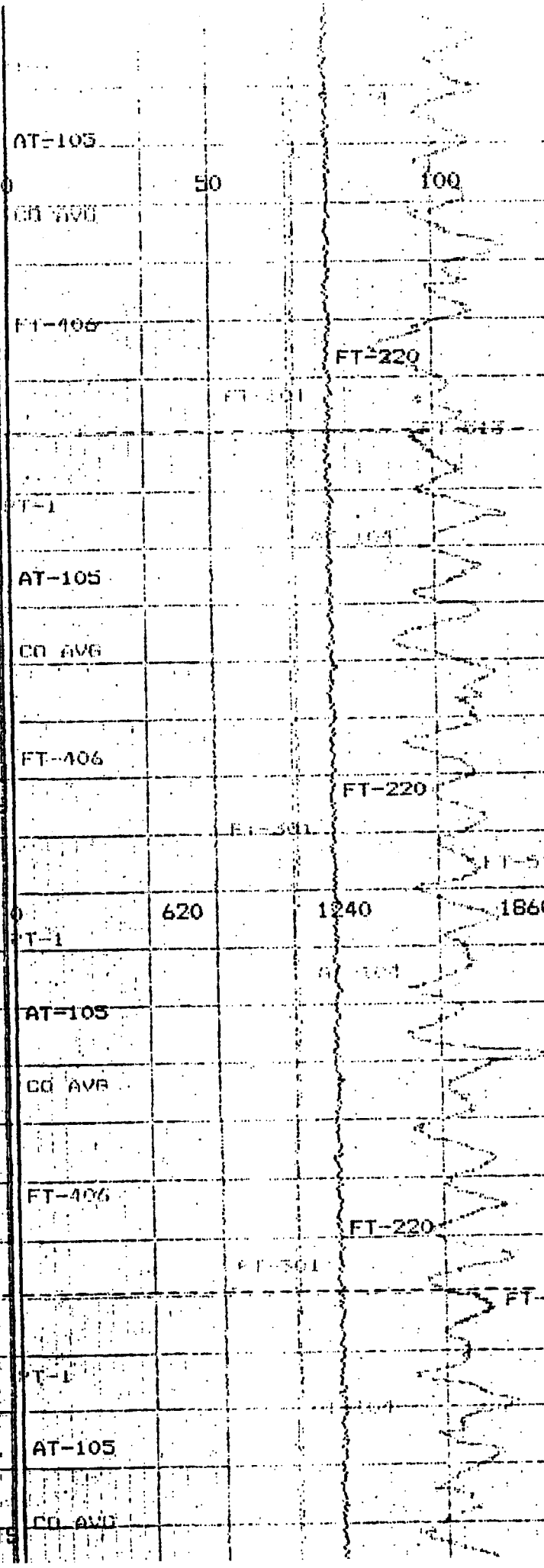
5.2m

TT-106 BOILER 1 CHAMB TEMP

01)	4.9	PPM	AT-105
02)	8.19	%	AT-104
03)	-0.5	PSIG	PT-1
04)	95.0	%	LT-900
05)	747	#/HR	FT-513
06)	110.5	CFM	FT-301
07)	2285.4	CFM	FT-220
08)	0.00	GPM	FT-406
09)	2062.3	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.88	°C	T-900
D01)	5.0	PPM	CO AVG
D02)	2061.1	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	11054	CFM	NG X 10

17:00:00 12/07/92 JOB LOG BOILER 1 POINTS

5.3m



T02) 1318 CFM NG X 10
22:00:00 12/07/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

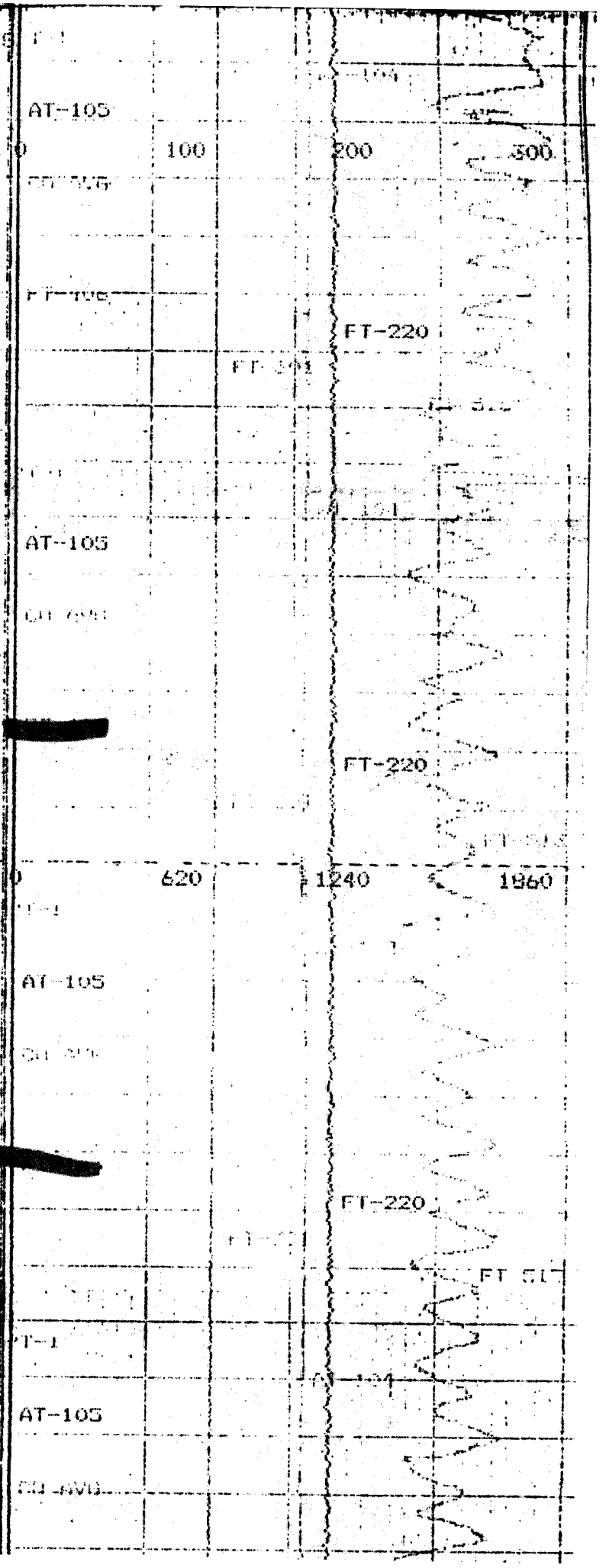
01)	4.6	PPM	AT-105
02)	8.54	%	AT-104
03)	-0.5	PSIG	PT-1
04)	94.9	%	LT-900
05)	702	#/HR	FT-513
06)	108.5	CFM	FT-301
07)	2236.6	CFM	FT-220
09)	2069.2	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.57	°C	T-900
D01)	4.5	PPM	CO AVG
D02)	2068.8	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	1	Gal	Tar Tot
T02)	13667	CFM	NG X 10

21:00:00 12/07/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	4.6	PPM	AT-105
02)	8.60	%	AT-104
03)	-0.5	PSIG	PT-1
04)	95.0	%	LT-900
05)	733	#/HR	FT-513
06)	108.1	CFM	FT-301
07)	2266.9	CFM	FT-220
09)	2068.2	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.51	°C	T-900
D01)	4.7	PPM	CO AVG
D02)	2067.3	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	13019	CFM	NG X 10

20:00:00 12/07/92 JOB LOG BOILER 1 POINTS



01:00:00 12/08/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

01) 4.0 PPM AT-105
02) 8.75 % AT-104
03) -0.6 PSIG PT-1
04) 94.9 % LT-900
05) 793 #/HR FT-513
06) 107.3 CFM FT-301
07) 2251.8 CFM FT-220
[redacted] FT-406
09) 2071.5 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.63 °C T-900
D01) 4.2 PPM CO AVG
TEMP AVG 00:11:39 12/08/92 TEMP AV 2071 DEG F
D02) 2070.7 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 1 Gal Tar Tot
T02) 15613 CFM NG X 10

00:00:00 12/08/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01) 4.4 PPM AT-105
02) 8.69 % AT-104
03) -0.6 PSIG PT-1
04) 94.9 % LT-900
05) 765 #/HR FT-513
06) 107.5 CFM FT-301
07) 2254.6 CFM FT-220
[redacted] FT-406
09) 2069.3 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.65 °C T-900
D01) 4.4 PPM CO AVG
D02) 2069.5 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 1 Gal Tar Tot

FT-220 BOILER 1 AIR FLOW

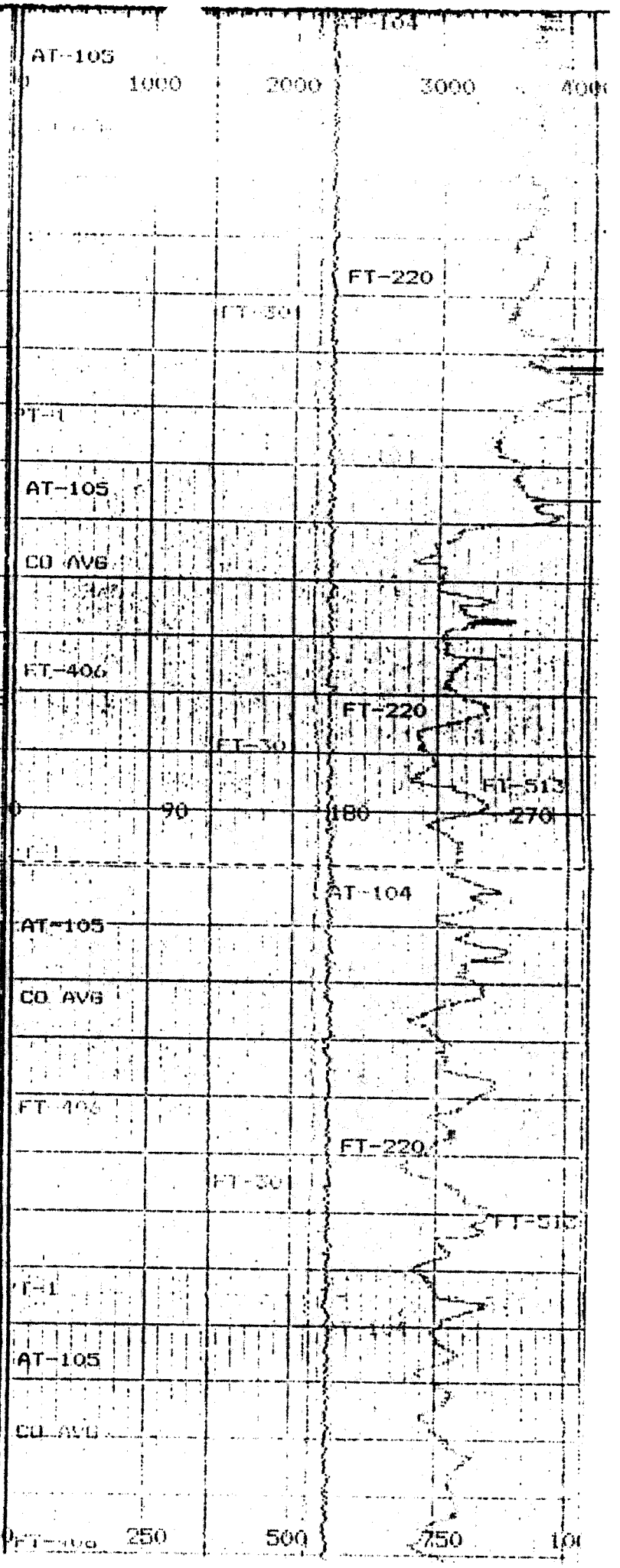
01)	3.8	PPM	AT-105
02)	8.96	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.9	%	LT-900
05)	820	#/HR	FT-513
06)	106.7	CFM	FT-301
07)	2232.7	CFM	FT-220
[redacted]			
09)	2072.7	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.49	°C	T-900
001)	4.0	PPM	CO AVG
002)	2071.7	DEG F	TEMP AV
003)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	1926	CFM	NG X 10

03:00:00 12/08/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	4.0	PPM	AT-105
02)	8.74	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.9	%	LT-900
05)	768	#/HR	FT-513
06)	106.9	CFM	FT-301
07)	2219.9	CFM	FT-220
[redacted]			
09)	2071.3	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.54	°C	T-900
001)	4.1	PPM	CO AVG
002)	2071.1	DEG F	TEMP AV
003)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	1285	CFM	NG X 10

02:00:00 12/08/92 JOB LOG BOILER 1 POINTS



WD 1-4
12-8-92

T-900 T-900 TEMP

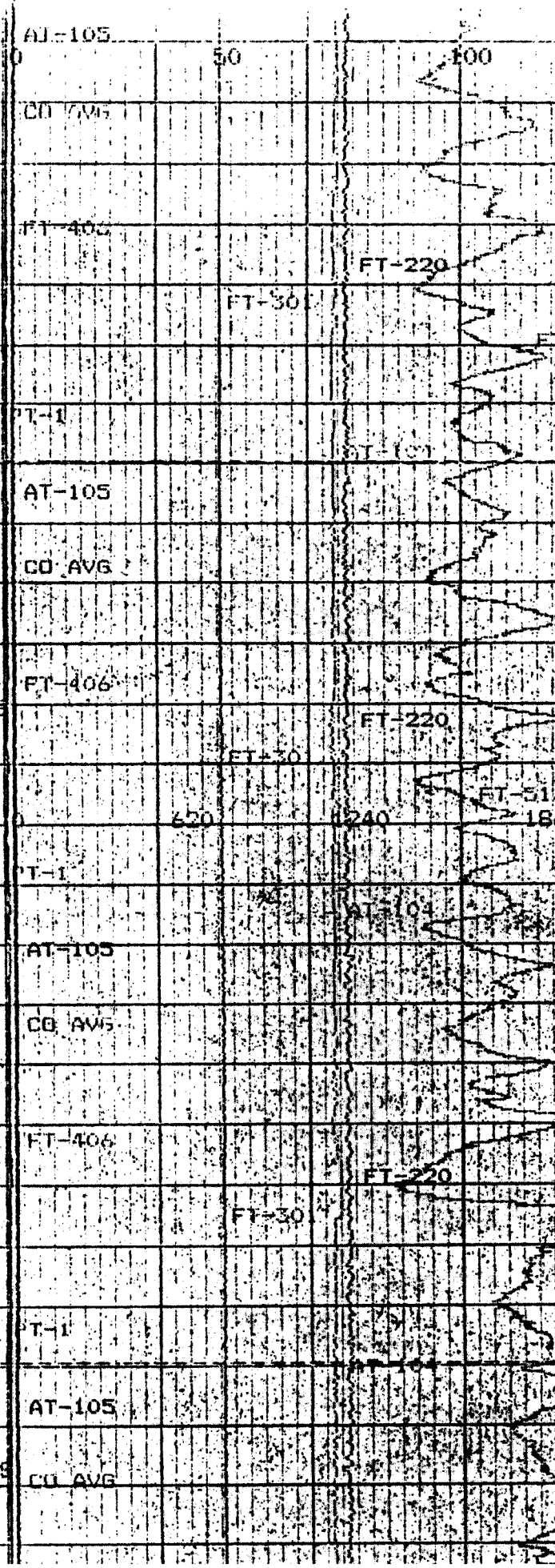
01)	4.0	PPM	AT-105
02)	8.87	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.8	%	LT-900
05)	929	#/HR	FT-513
06)	106.2	CFM	FT-301
07)	2216.7	CFM	FT-220
[illegible]	[illegible]	[illegible]	[illegible]
09)	2071.5	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.41	°C	T-900
D01)	3.9	PPM	CO AVG
D02)	2071.3	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	3841	CFM	NG X 10

06:00:00 12/08/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01)	4.0	PPM	AT-105
02)	8.91	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.8	%	LT-900
05)	895	#/HR	FT-513
06)	106.3	CFM	FT-301
07)	2218.7	CFM	FT-220
[illegible]	[illegible]	[illegible]	[illegible]
09)	2070.5	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.40	°C	T-900
D01)	3.9	PPM	CO AVG
D02)	2071.1	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	3204	CFM	NG X 10

05:00:00 12/08/92 JOB LOG BOILER 1 POINTS



Chessell CHART No. GD244101U100

AT-105 BOILER 1 CO READING

01)	4.2	PPM	AT-105
02)	8.80	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.8	%	LT-900
05)	689	#/HR	FT-513
06)	106.0	CFM	FT-301
07)	2238.8	CFM	FT-220
[redacted]			
09)	2071.2	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.19	°C	T-900
D01)	4.3	PPM	CO AVG
D02)	2072.5	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	5748	CFM	NG X 10

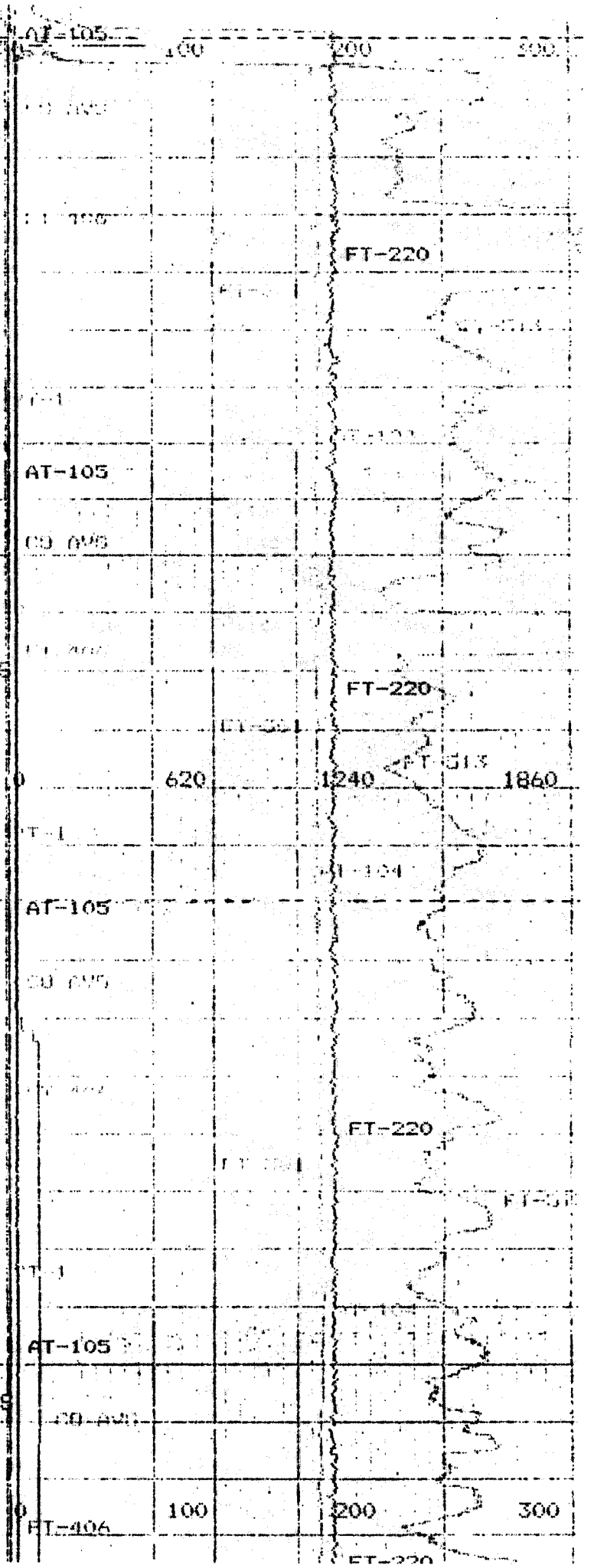
09:00:00 12/08/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	4.4	PPM	AT-105
02)	8.92	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.8	%	LT-900
05)	801	#/HR	FT-513
06)	105.8	CFM	FT-301
07)	2226.1	CFM	FT-220
[redacted]			
09)	2072.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.34	°C	T-900
D01)	16.6	PPM	CO AVG
D02)	2072.0	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	5113	CFM	NG X 10

08:00:00 12/08/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE



LT-900 TAR TANK LEVEL

01)	5.1	PPM	AT-105
02)	7.04	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.9	%	LT-900
05)	1004	#/HR	FT-513
06)	129.2	CFM	FT-301
07)	2399.2	CFM	FT-220
[redacted]			
09)	2008.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.18	°C	T-900
D01)	4.9	PPM	CO AVG
D02)	2005.4	DEG F	TEMP AV
D03)	0.0		TarAvg
I01)	1	Gal	Tar Tot
T02)	7779	CFM	NG X 10

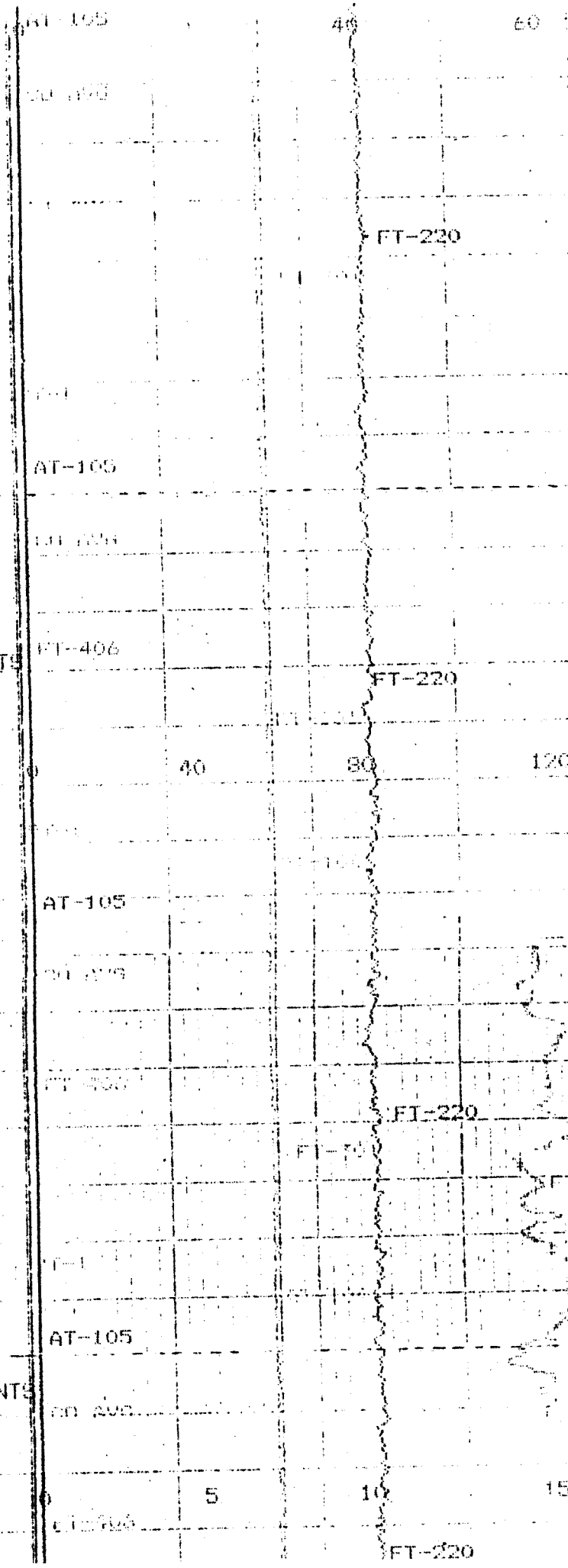
12:00:00 12/08/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	5.1	PPM	AT-105
02)	7.06	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.8	%	LT-900
05)	878	#/HR	FT-513
06)	128.9	CFM	FT-301
07)	2410.6	CFM	FT-220
[redacted]			
09)	1998.5	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.16	°C	T-900
D01)	4.5	PPM	CO AVG
D02)	1952.7	DEG F	TEMP AV
D03)	0.0		TarAvg
I01)	1	Gal	Tar Tot
T02)	7004	CFM	NG X 10

11:00:00 12/08/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING



01)	4.5	PPM	AT-105
02)	9.07	%	AT-104
03)	-0.6	PSIG	PT-1
04)	95.0	%	LT-900
05)	1154	#/HR	FT-513
06)	122.2	CFM	FT-301
07)	2747.3	CFM	FT-220
08)	0.00	GPM	[redacted]
09)	2074.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.17	°C	T-900
D01)	4.7	PPM	CO AVG
D02)	2076.6	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	1	Gal	Tar Tot
T02)	10241	CFM	NG X 10

15:00:00 12/08/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT=301

01)	4.6	PPM	AT-105
02)	8.71	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.9	%	LT-900
05)	1217	#/HR	FT-513
06)	155.9	CFM	FT-301
07)	3261.3	CFM	FT-220

TEMP AVG 14:27:39 12/08/92 TEMP AV 2071.2DEG F

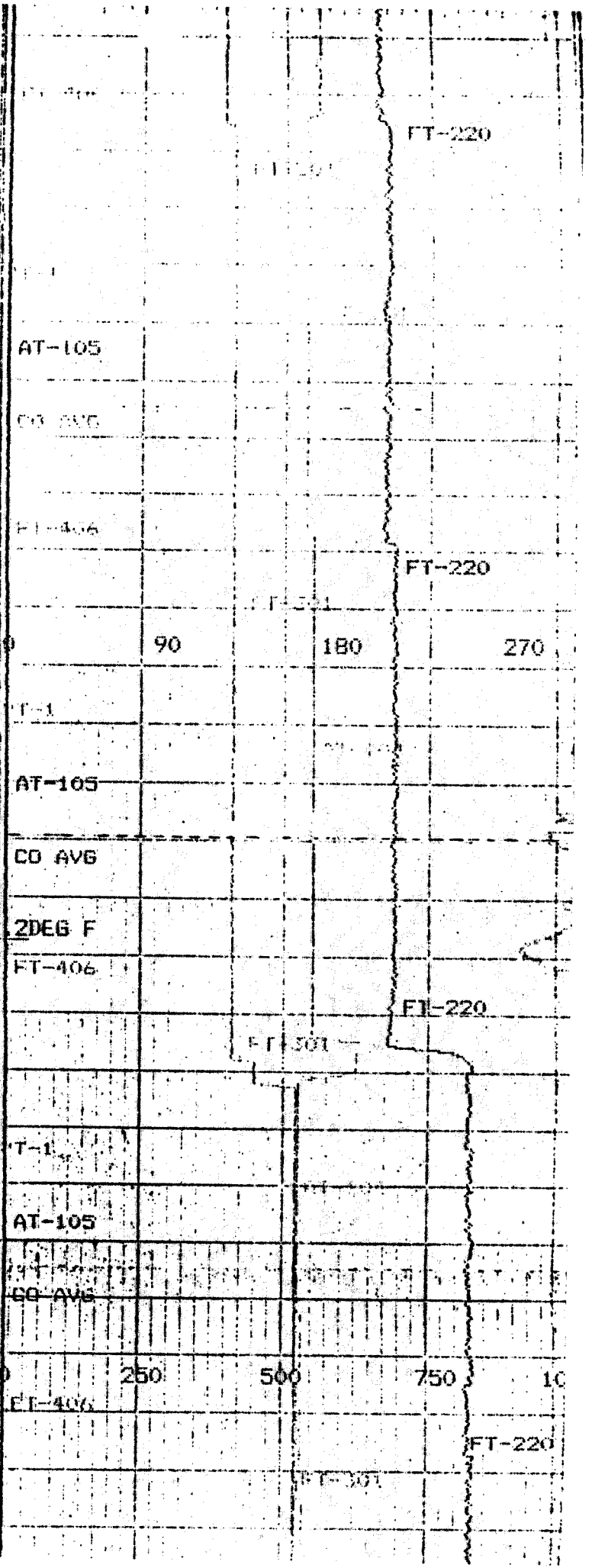
[redacted]

09)	2074.7	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.28	°C	T-900
D01)	5.2	PPM	CO AVG
D02)	2042.2	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	1	Gal	Tar Tot
T02)	9451	CFM	NG X 10

14:00:00 12/08/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01)	4.5	PPM	AT-105
02)	7.27	%	AT-104
03)	-0.6	PSIG	PT-1



T01) 1 Gal Tar Tot
T02) 12301 CFM NG X 10
18:00:00 12/08/92 JOB LOG BOILER 1 POINTS

FT-106 BOILER 1 CHAMB TEMP

2.2m

01)	5.7	PPM	AT-105
02)	7.85	%	AT-104
03)	3.4	PSIG	PT-1
04)	97.5	%	LT-900
05)	1229	#/HR	FT-513
06)	112.9	CFM	FT-301
07)	2279.5	CFM	FT-220
[redacted]			
09)	2052.8	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.12	°C	T-900
D01)	4.6	PPM	CO AVG
D02)	2059.2	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	1	Gal	Tar Tot
T02)	11626	CFM	NG X 10

17:00:00 12/08/92 JOB LOG BOILER 1 POINTS

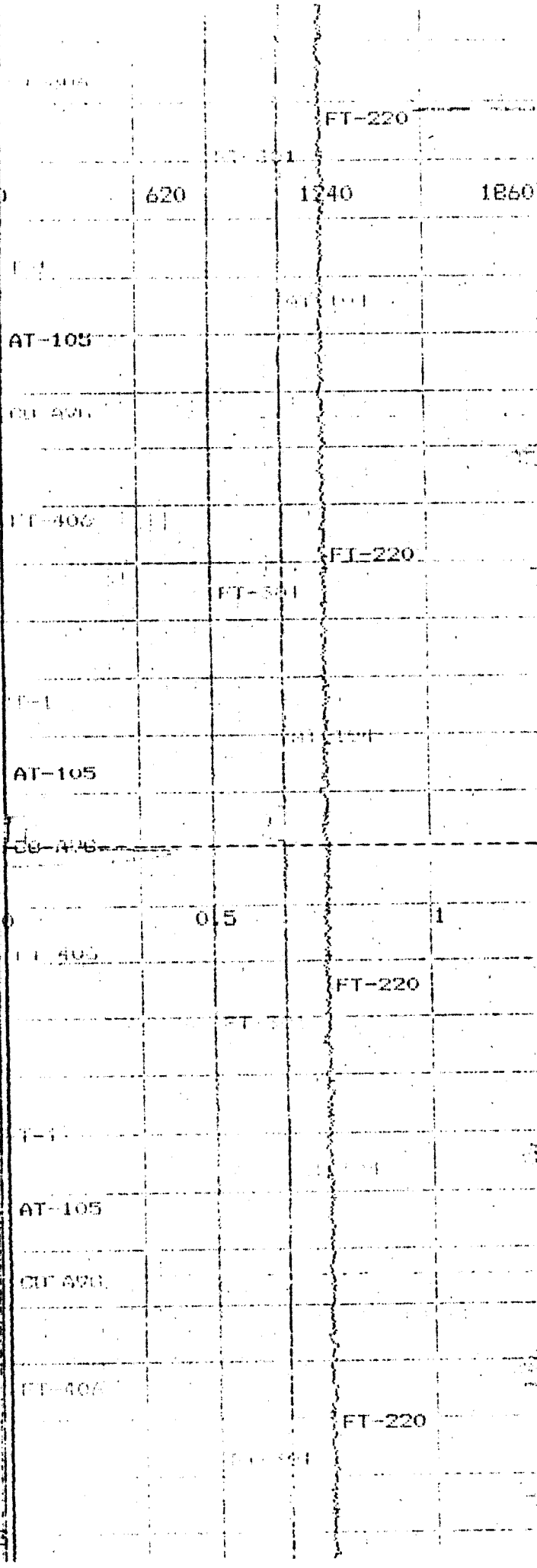
2.3m

FT-406 TAR FLOW

01)	4.7	PPM	AT-105
02)	8.24	%	AT-104
03)	-0.6	PSIG	PT-1
04)	94.9	%	LT-900
05)	1160	#/HR	FT-513
06)	113.1	CFM	FT-301
07)	2273.6	CFM	FT-220
[redacted]			
09)	2066.8	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.12	°C	T-900
D01)	4.6	PPM	CO AVG
D02)	2074.0	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	1	Gal	Tar Tot
T02)	10950	CFM	NG X 10

2.4m

16:00:00 12/08/92 JOB LOG BOILER 1 POINTS



T02) 1325 CFM NG X 10

21:00:00 12/08/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

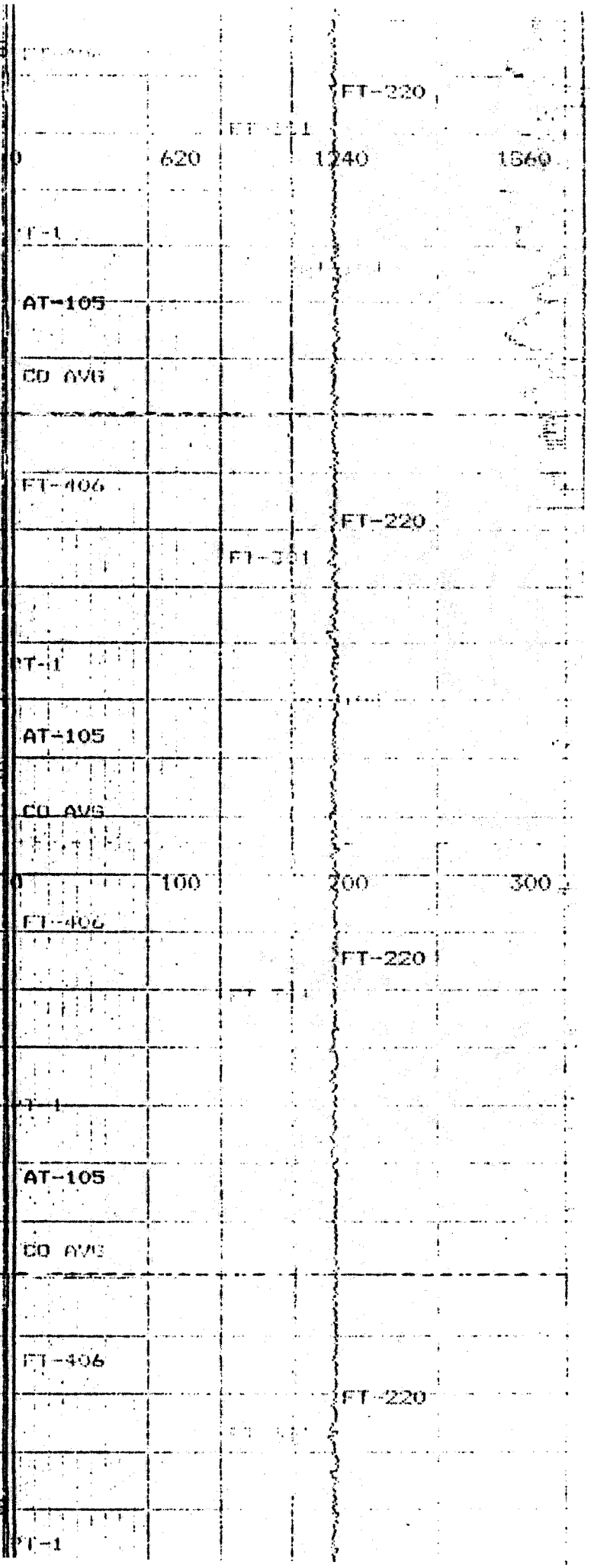
01)	4.6	PPM	AT-105
02)	8.27	%	AT-104
03)	-0.5	PSIG	PT-1
04)	95.0	%	LT-900
05)	1427	#/HR	FT-513
06)	112.6	CFM	FT-301
07)	2259.1	CFM	FT-220
08)	0.00	CFM	[redacted]
09)	2058.8	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.51	°C	T-900
D01)	4.5	PPM	CO AVG
D02)	2058.9	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	1	Gal	Tar Tot
T02)	13651	CFM	NG X 10

20:00:00 12/08/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01)	4.6	PPM	AT-105
02)	8.24	%	AT-104
03)	-0.5	PSIG	PT-1
04)	95.0	%	LT-900
05)	1122	#/HR	FT-513
06)	112.4	CFM	FT-301
07)	2265.5	CFM	FT-220
08)	[redacted]		
09)	2057.7	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.42	°C	T-900
D01)	4.5	PPM	CO AVG
D02)	2057.6	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	1	Gal	Tar Tot
T02)	12976	CFM	NG X 10

19:00:00 12/08/92 JOB LOG BOILER 1 POINTS



00:00:00 12/09/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

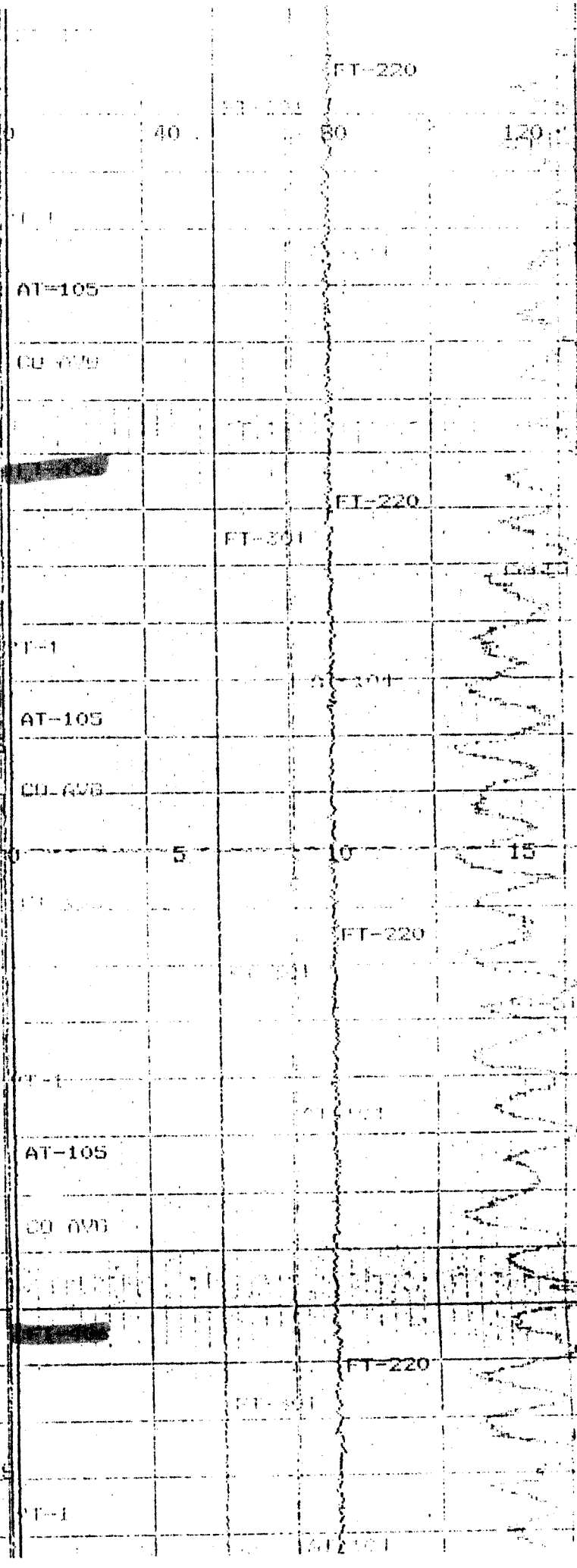
01)	4.6	PPM	AT-105
02)	8.39	%	AT-104
03)	-0.5	PSIG	PT-1
04)	95.0	%	LT-900
05)	792	#/HR	FT-513
06)	112.0	CFM	FT-301
07)	2257.8	CFM	FT-220
[redacted]			
09)	2061.2	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.58	°C	T-900
D01)	4.5	PPM	CO AVG
D02)	2060.3	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	2	Gal	Tar Tot
T02)	15672	CFM	NG X 10

23:00:00 12/08/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	4.3	PPM	AT-105
02)	8.33	%	AT-104
03)	-0.5	PSIG	PT-1
04)	95.0	%	LT-900
05)	917	#/HR	FT-513
06)	112.2	CFM	FT-301
07)	2266.8	CFM	FT-220
[redacted]			
09)	2058.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.61	°C	T-900
D01)	4.5	PPM	CO AVG
D02)	2058.5	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	2	Gal	Tar Tot
T02)	14999	CFM	NG X 10

22:00:00 12/08/92 JOB LOG BOILER 1 POINTS



:00:00 1 /92 JOB LOG BOILER 1 POINTS

-301 NG FLOW FT-301

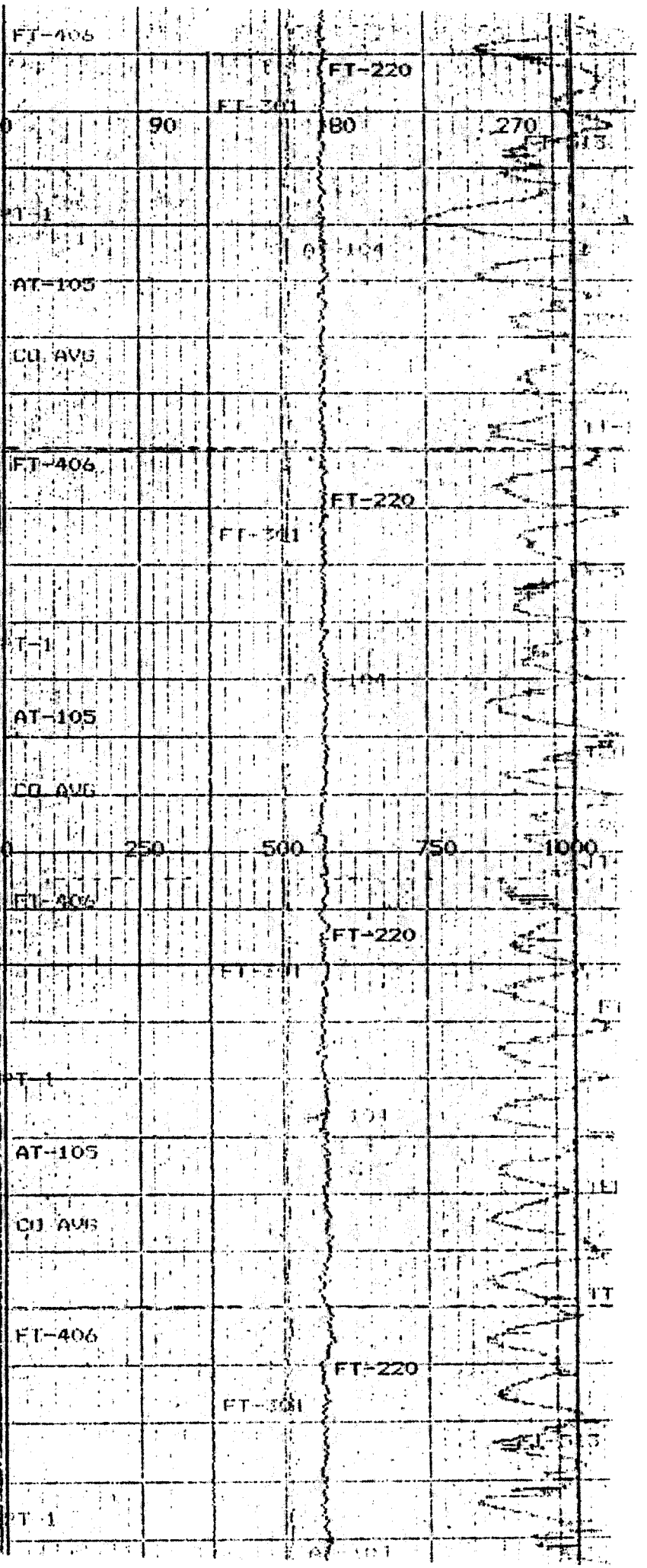
1)	4.3	PPM	AT-105
2)	8.42	%	AT-104
3)	-0.5	PSIG	PT-1
4)	95.0	%	LT-900
5)	1027	#/HR	FT-513
6)	111.5	CFM	FT-301
7)	2280.8	CFM	FT-220
8)	[redacted]		
9)	2062.3	DEG F	TT-106
0)	>RANGE	°F	TT-107
1)	OFF		11
2)	128.53	°C	T-900
1)	4.4	PPM	CO AVG
2)	2062.2	DEG F	TEMP AV
3)	0.0		TarAvg
1)	0	Gal	Tar Tot
2)	1340	CFM	NG X 10

:00:00 12/09/92 JOB LOG BOILER 1 POINTS

-513 BOILER STM FLOW X 10

1)	4.5	PPM	AT-105
2)	8.48	%	AT-104
3)	-0.5	PSIG	PT-1
4)	95.0	%	LT-900
5)	953	#/HR	FT-513
6)	111.5	CFM	FT-301
7)	2265.3	CFM	FT-220
8)	[redacted]		
9)	2062.3	DEG F	TT-106
0)	>RANGE	°F	TT-107
1)	OFF		11
2)	128.57	°C	T-900
1)	4.3	PPM	CO AVG
2)	2062.2	DEG F	TEMP AV
3)	0.0		TarAvg
1)	0	Gal	Tar Tot
2)	670	CFM	NG X 10

:00:00 12/09/92 JOB LOG BOILER 1 POINTS



TT-106 BOILER 1 CHAMB TEMP

(1)	4.0 PPM	AT-105
(2)	8.65 %	AT-104
(3)	-0.5 PSIG	PT-1
(4)	94.9 %	LT-900
(5)	949 #/HR	FT-513
(6)	110.6 CFM	FT-301
(7)	2266.3 CFM	FT-220
[redacted]		
(9)	2065.6 DEG F	TT-106
(10)	>RANGE °F	TT-107
(11)	OFF	11
(12)	128.45 °C	T-900
D(1)	4.2 PPM	CO AVG
D(2)	2065.4 DEG F	TEMP AV
D(3)	0.0	TarAvg
T(1)	1 Gal	Tar Tot
T(2)	3342 CFM	NG X 10

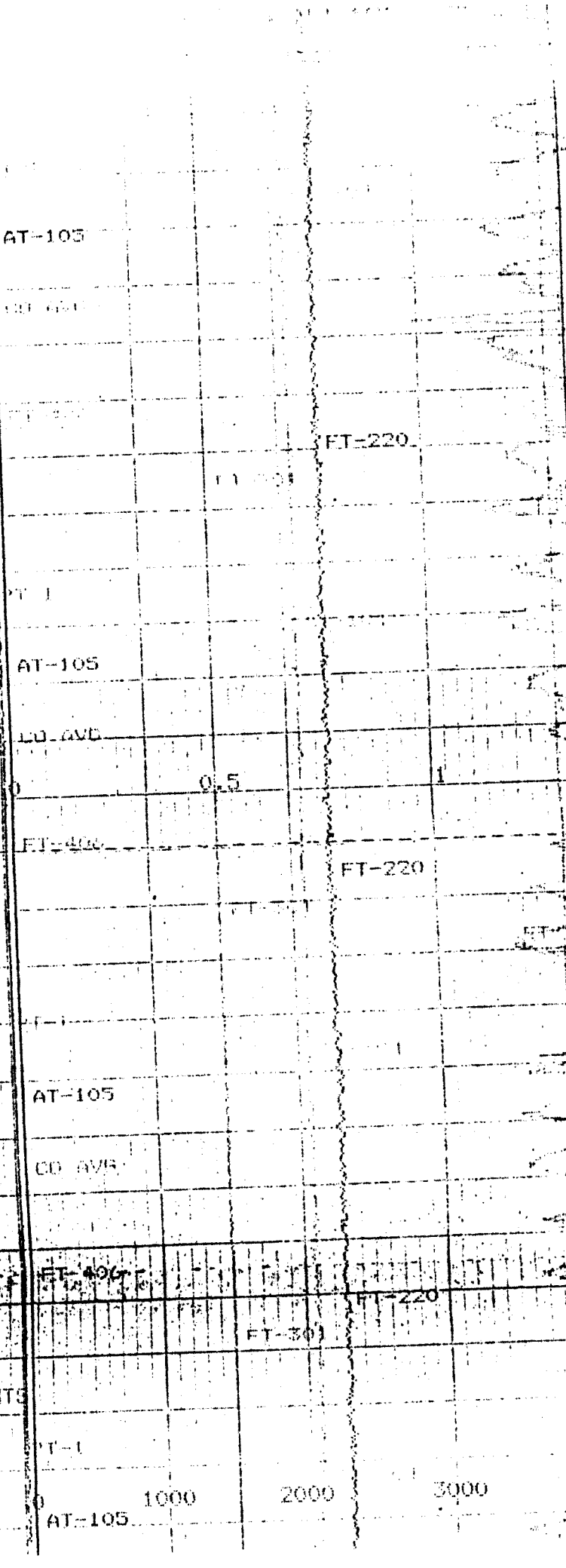
05:00:00 12/09/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

(1)	4.3 PPM	AT-105
(2)	8.48 %	AT-104
(3)	-0.5 PSIG	PT-1
(4)	94.9 %	LT-900
(5)	1014 #/HR	FT-513
(6)	111.1 CFM	FT-301
(7)	2257.3 CFM	FT-220
[redacted]		
(9)	2065.6 DEG F	TT-106
(10)	>RANGE °F	TT-107
(11)	OFF	11
(12)	128.51 °C	T-900
D(1)	4.2 PPM	CO AVG
D(2)	2064.3 DEG F	TEMP AV
D(3)	0.0	TarAvg
T(1)	0 Gal	Tar Tot
T(2)	2676 CFM	NG X 10

04:00:00 12/09/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW



MP AV TEI ROLLING AVERAGE

1)	3.9	PPM	AT-105
2)	8.53	%	AT-104
3)	-0.5	PSIG	PT-1
4)	94.8	%	LT-900
5)	1033	#/HR	FT-513
6)	110.5	CFM	FT-301
7)	2280.7	CFM	FT-220
[redacted]			
9)	2066.6	DEG F	TT-106
0)	>RANGE	°F	TT-107
1)	OFF		11
2)	128.32	°C	T-900
1)	16.7	PPM	CO AVG
2)	2066.3	DEG F	TEMP AV

l check mcc 12 9 92

5)	0.0		TarAvg
)	1	Gal	Tar Tot
2)	5333	CFM	NG X 10

00:00 12/09/92 JOB LOG BOILER 1 POINTS

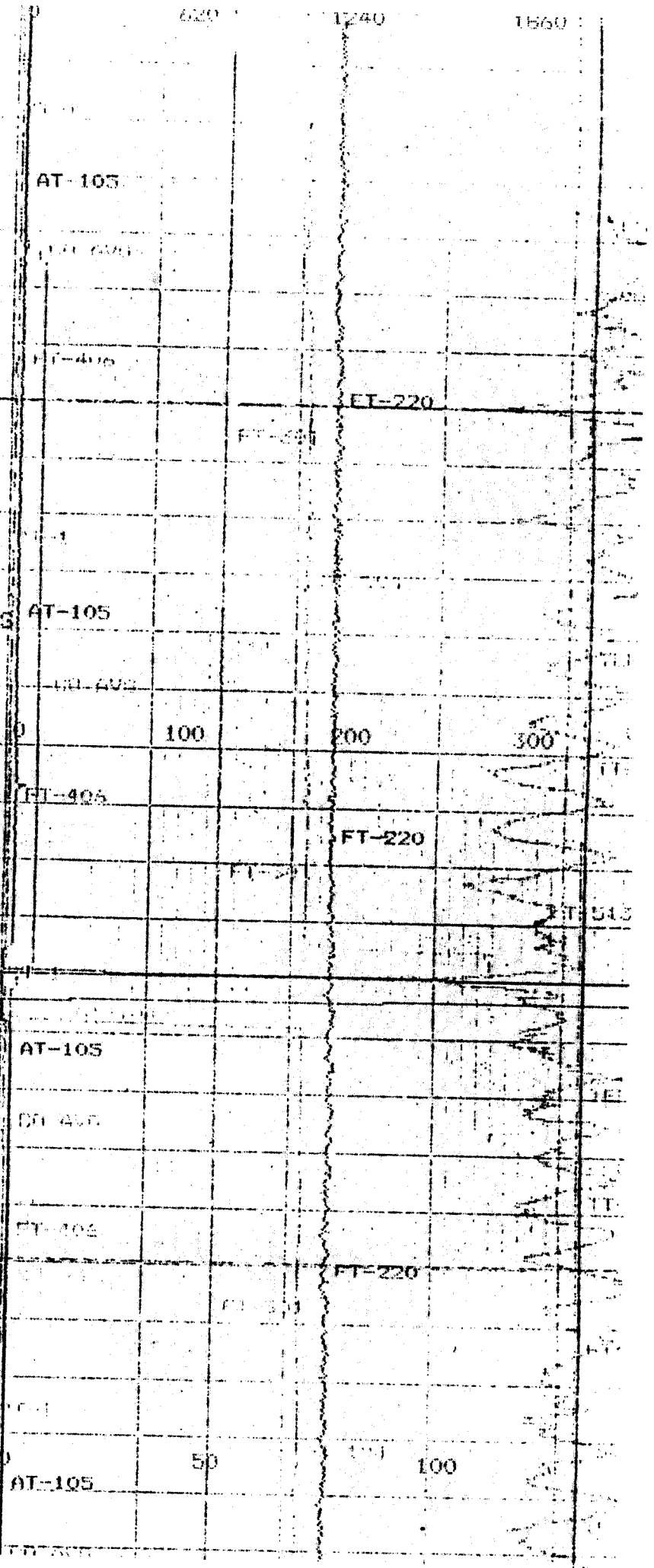
MCC

AVG CO ROLLING AVERAGE

)	4.0	PPM	AT-105
)	8.65	%	AT-104
)	-0.5	PSIG	PT-1
)	94.8	%	LT-900
)	949	#/HR	FT-513
)	110.4	CFM	FT-301
)	2259.2	CFM	FT-220
[redacted]			
)	2066.6	DEG F	TT-106
)	>RANGE	°F	TT-107
)	OFF		11
)	128.37	°C	T-900
)	4.2	PPM	CO AVG
)	2065.9	DEG F	TEMP AV
	0.0		TarAvg
	1	Gal	Tar Tot
	4670	CFM	NG X 10

00:00 12/09/92 JOB LOG BOILER 1 POINTS

0 T-900 TEMP



08) 3.1 CFM FT-301
07) 236.1 CFM FT-220
08) 0.00 GPM FT-406
09) 1361.6 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.17 °C T-900
13) 0.22 Hz. Freq
D01) -0.7 PPM CO AVG
D02) 1543.0 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 2 Gal Tar Tot
T02) 6510 CFM NG X 10
11:00:00 12/09/92 JOB LOG BOILER 1 POINTS

21.5m

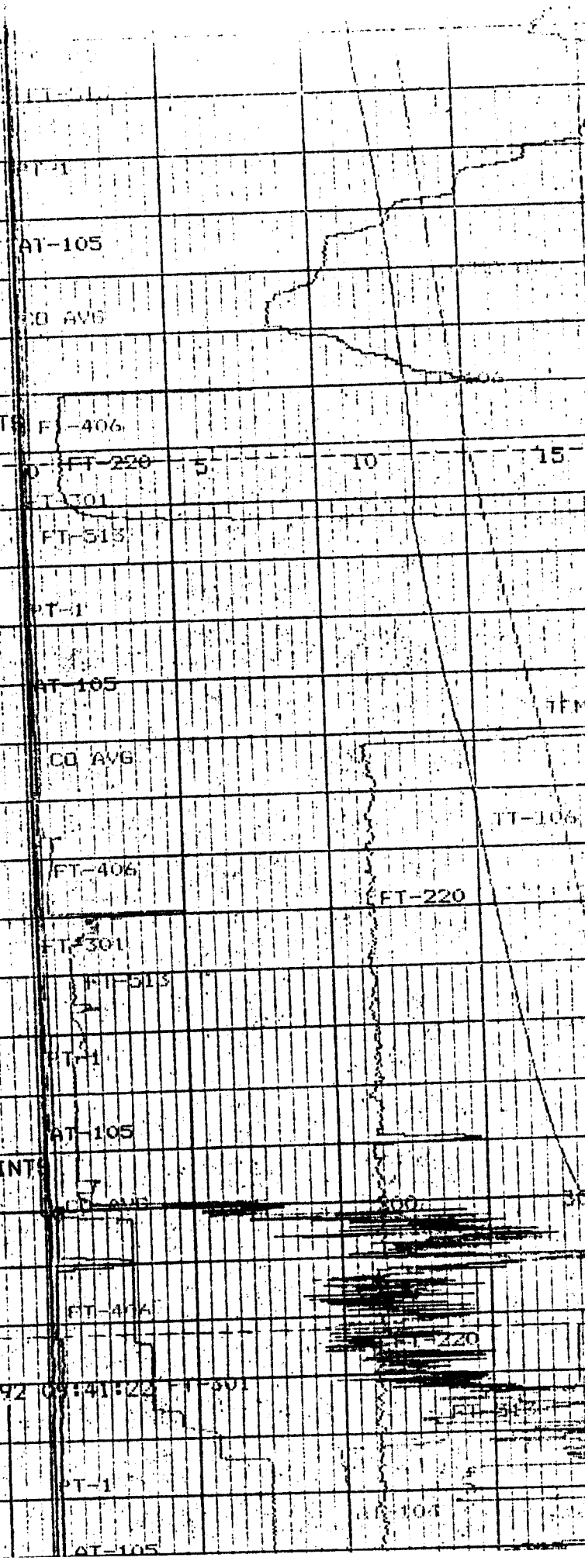
AT-104 BOILER 1 O2 READING

01) -0.3 PPM AT-105
02) 20.75 % AT-104
03) -0.5 PSIG PT-1
04) 94.8 % LT-900
05) 52 #/HR FT-513
06) -3.1 CFM FT-301
07) 2246.6 CFM FT-220
08) [redacted]
09) 1814.1 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.22 °C T-900
13) 49.89 Hz. Freq
D01) 4.9 PPM CO AVG
D02) 2023.9 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 2 Gal Tar Tot
T02) 6510 CFM NG X 10
10:00:00 12/09/92 JOB LOG BOILER 1 POINTS

21.6m

AT-105 BOILER 1 CO READING

09:41:31 5in/hr
09:41:30 12/09/92 REPLAY END AT 12/09/92 09:41:22



8560

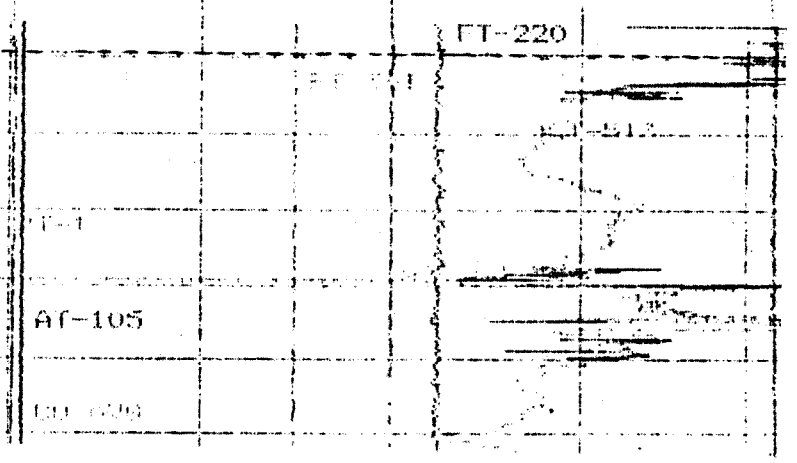
26/50/21

26/50/2

01

:32:08 12/09/92 PRINTER OFF

(1)	3.9	PPM	AT-105
(2)	8.35	%	AT-104
(3)	-0.6	PSIG	PT-1
(4)	94.8	%	LT-900
(5)	903	#/HR	FT-513
(6)	111.4	CFM	FT-301
(7)	2223.5	CFM	FT-220
(8)	0.00	GPM	FT-406
(9)	2064.4	DEG F	TT-106
(10)	>RANGE	°F	TT-107
(11)	OFF		11
(12)	128.23	°C	T-900
(1)	4.1	PPM	CO AVG
(2)	2065.5	DEG F	TEMP AV
(3)	0.0		TarAvg
(4)	[illegible]	Gal	Tar Tot



D03) 0.0 TarAvg
T01) 2 Gal Tar Tot
T02) 6510 CFM NG X 10

12:00:00 12/09/92 JOB LOG BOILER 1 POINTS

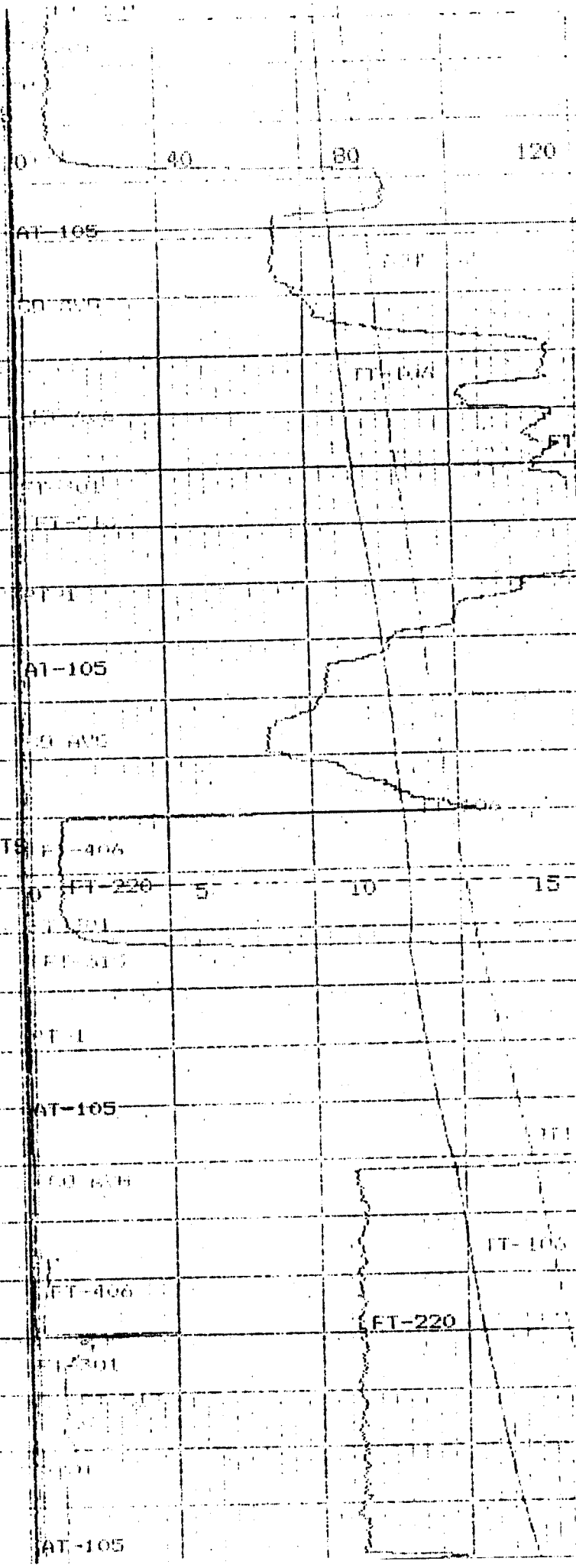
PT-1 BOILER 1 RECY PRESS

01) -0.7 PPM AT-105
02) 20.75 % AT-104
03) -0.5 PSIG PT-1
04) 94.9 % LT-900
05) 12 #/HR FT-513
06) -3.1 CFM FT-301
07) 236.1 CFM FT-220
08) [redacted]
09) 1361.6 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.17 °C T-900
13) 0.22 Hz. Freq
D01) -0.7 PPM CO AVG
D02) 1543.0 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 2 Gal Tar Tot
T02) 6510 CFM NG X 10

11:00:00 12/09/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01) -0.3 PPM AT-105
02) 20.75 % AT-104
03) -0.5 PSIG PT-1
04) 94.8 % LT-900
05) 52 #/HR FT-513
06) -3.1 CFM FT-301
07) 2246.6 CFM FT-220
08) [redacted]
09) 1814.1 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.22 °C T-900
13) 49.89 Hz. Freq
D01) 4.9 PPM CO AVG
D02) 2023.9 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 2 Gal Tar Tot
T02) 6510 CFM NG X 10



09) 241.2 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.28 °C T-900
13) 44.03 Hz. Freq
D01) 0.2 PPM CO AVG
D02) 535.0 DEG F TEMP AV
D03) -0.1 TarAvg
T01) 2 Gal Tar Tot
T02) 6510 CFM NG X 10

21.1m

14:00:00 12/09/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01) 4.5 PPM AT-105
02) 18.87 % AT-104
03) 25.0 PSIG PT-1
04) 98.4 % LT-900
05) >RANGE #/HR FT-513
06) -3.1 CFM FT-301
07) 266.0 CFM FT-220
[redacted]
09) 997.3 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.20 °C T-900
13) 0.22 Hz. Freq
D01) 1.7 PPM CO AVG
D02) 1053.7 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 2 Gal Tar Tot
T02) 6510 CFM NG X 10

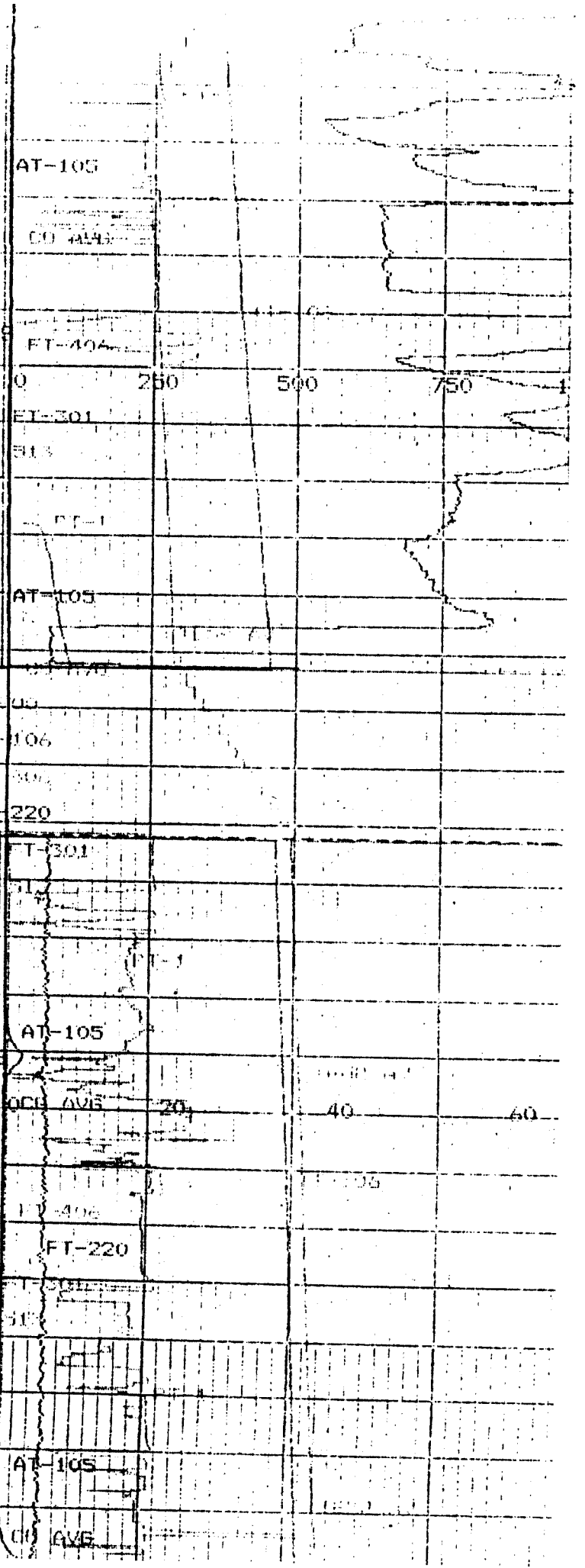
21.2m

13:00:00 12/09/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01) -0.7 PPM AT-105
02) 20.75 % AT-104
03) -0.5 PSIG PT-1
04) 94.9 % LT-900
05) >RANGE #/HR FT-513
06) -3.1 CFM FT-301
07) 234.5 CFM FT-220
[redacted]
09) 1107.6 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11

21.3m



FT-406 TAR FLOW

01)	6.0	PPM	AT-105
02)	10.81	%	AT-104
03)	12.1	PSIG	PT-1
04)	95.1	%	LT-900
05)	>RANGE	#/HR	FT-513
06)	87.3	CFM	FT-301
07)	2288.1	CFM	FT-220
08)	0.00	GPM	FT-406
09)	1546.0	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.39	°C	T-900
13)	27.14	Hz.	Freq
D01)	6.2	PPM	CO AVG
D02)	1346.6	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	2	Gal	Tar Tot
T02)	7188	CFM	NG X 10

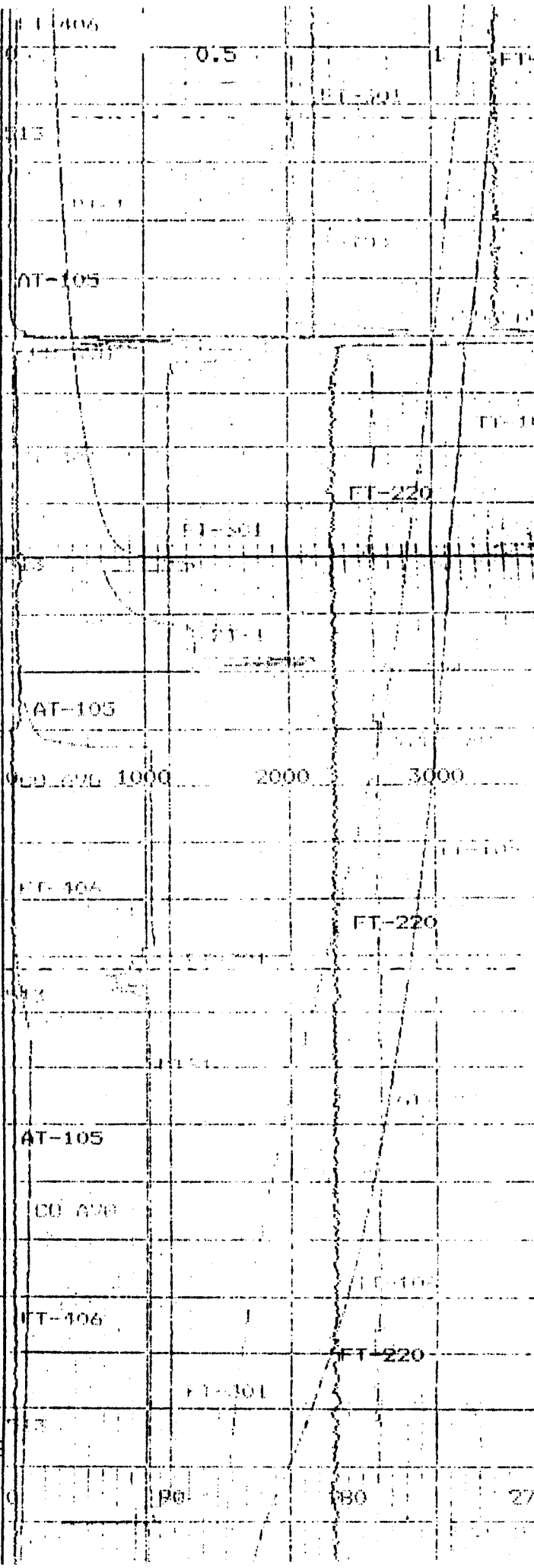
16:00:00 12/09/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	6.6	PPM	AT-105
02)	10.81	%	AT-104
03)	33.9	PSIG	PT-1
04)	95.3	%	LT-900
05)	>RANGE	#/HR	FT-513
06)	87.6	CFM	FT-301
07)	2294.9	CFM	FT-220
08)	0.00	GPM	FT-406
09)	1030.1	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.31	°C	T-900
13)	26.91	Hz.	Freq
D01)	12.1	PPM	CO AVG
D02)	813.0	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	2	Gal	Tar Tot
T02)	6664	CFM	NG X 10

15:00:00 12/09/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301



20.8m

20.9m

21.0m

Chesnell CHART No: GD244101U100

12)	28.53	°C	T-900
13)	35.12	Hz.	Freq
D01)	5.9	PPM	CO AVG
D02)	1891.4	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	3	Gal	Tar Tot
T02)	9873	CFM	NG X 10

20:00:00 12/09/92 JOB LOG BOILER 1 POINTS

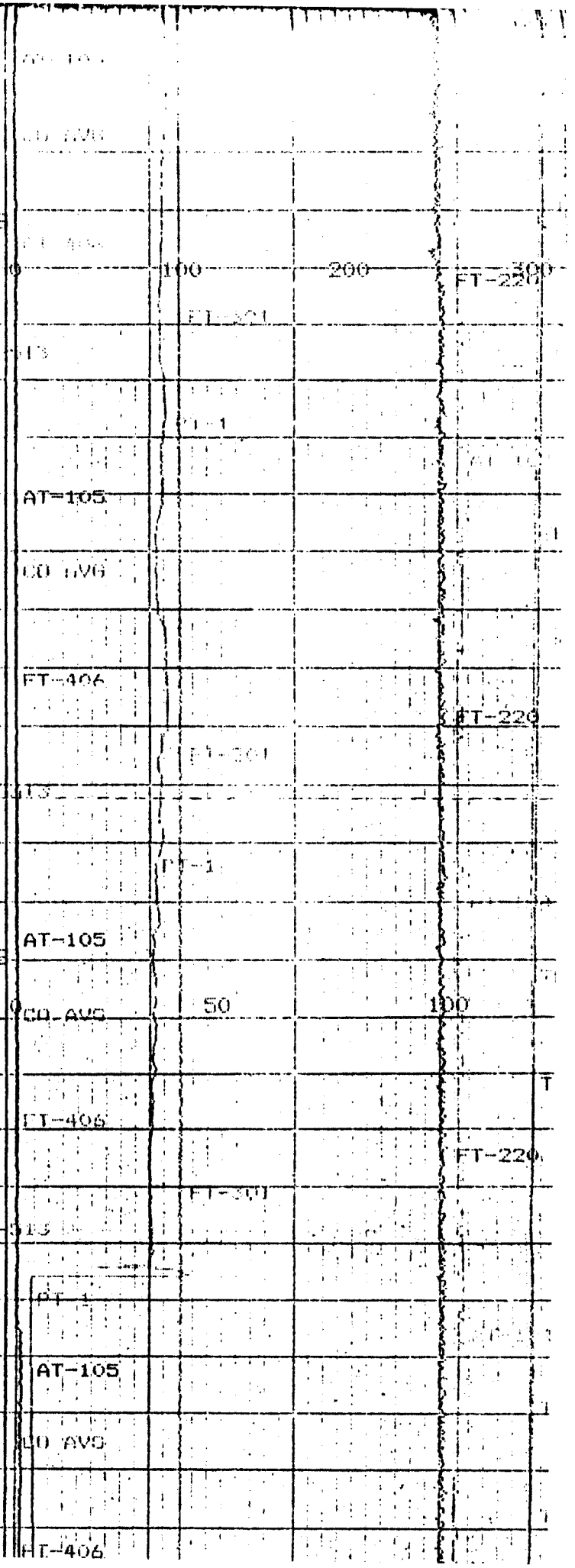
CO AVG CO ROLLING AVERAGE

01)	5.7	PPM	AT-105
02)	12.95	%	AT-104
03)	33.8	PSIG	PT-1
04)	95.3	%	LT-900
05)	>RANGE	#/HR	FT-513
06)	90.5	CFM	FT-301
07)	2989.4	CFM	FT-220
08)	0.00	GPM	FT-406
09)	1878.1	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.60	°C	T-900
13)	35.59	Hz.	Freq
D01)	7.0	PPM	CO AVG
D02)	1866.6	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	2	Gal	Tar Tot
T02)	9330	CFM	NG X 10

19:00:00 12/09/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	6.0	PPM	AT-105
02)	12.95	%	AT-104
03)	6.9	PSIG	PT-1
04)	95.3	%	LT-900
05)	>RANGE	#/HR	FT-513
06)	90.8	CFM	FT-301
07)	2997.9	CFM	FT-220
08)	[illegible]	GPM	FT-406
09)	1868.9	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.52	°C	T-900
13)	35.59	Hz.	Freq
D01)	5.1	PPM	CO AVG
D02)	184[illegible].7	DEG F	TEMP AV



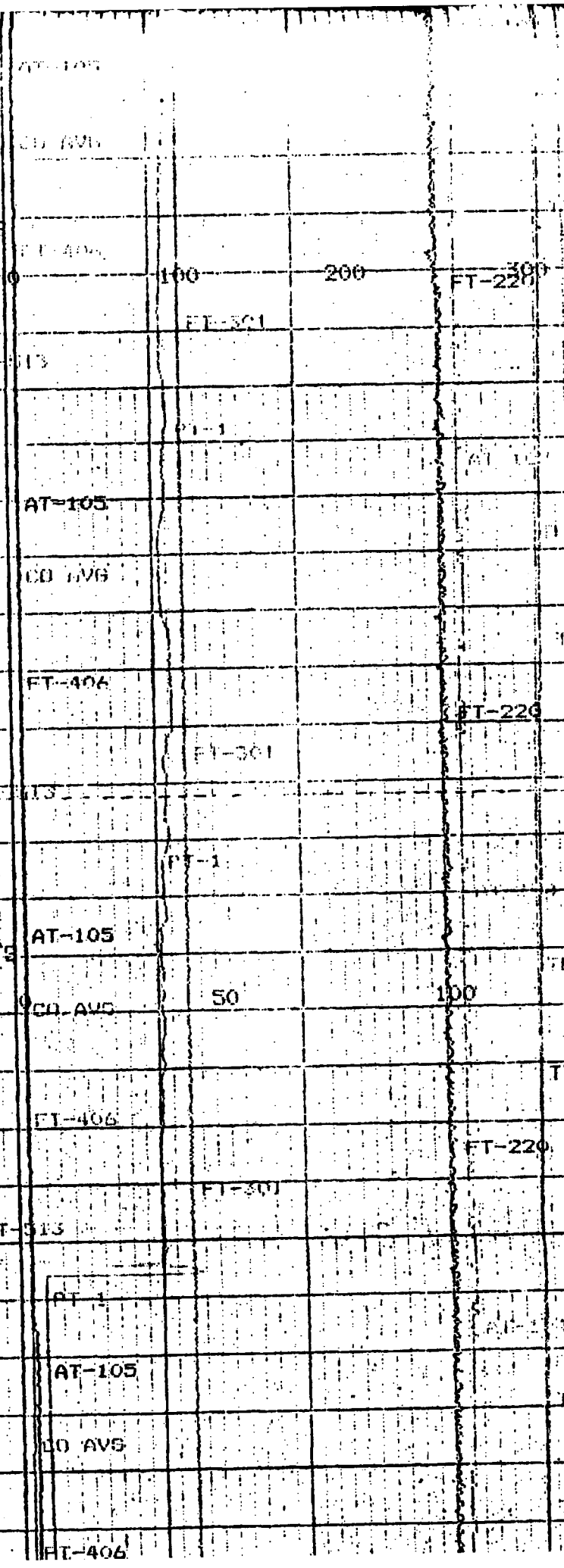
12) 53 °C T-900
13) 12 Hz. Freq
D01) 5.9 PPM CO AVG
D02) 1891.4 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 3 Gal Tar Tot
T02) 9873 CFM NG X 10
20:00:00 12/09/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01) 5.7 PPM AT-105
02) 12.95 % AT-104
03) 33.8 PSIG PT-1
04) 95.3 % LT-900
05) >RANGE #/HR FT-513
06) 90.5 CFM FT-301
07) 2989.4 CFM FT-220
08) 0.00 GPM FT-406
09) 1878.1 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.60 °C T-900
13) 35.59 Hz. Freq
D01) 7.0 PPM CO AVG
D02) 1866.6 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 2 Gal Tar Tot
T02) 9330 CFM NG X 10
19:00:00 12/09/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01) 6.0 PPM AT-105
02) 12.95 % AT-104
03) 6.9 PSIG PT-1
04) 95.3 % LT-900
05) >RANGE #/HR FT-513
06) 90.8 CFM FT-301
07) 2997.9 CFM FT-220
08) 0.00 GPM FT-406
09) 1868.9 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.52 °C T-900
13) 35.59 Hz. Freq
D01) 5.1 PPM CO AVG
D02) 1846.3 DEG F TEMP AV



12)	1[illegible] 39 °C	T-900
13)	25.74 Hz.	Freq
D01)	5.0 PPM	CO AVG
D02)	1977.5 DEG F	TEMP AV
D03)	0.0	TarAvg
T01)	3 Gal	Tar Tot
T02)	11515 CFM	NG X 10

23:00:00 12/09/92 JOB LOG BOILER 1 POINTS

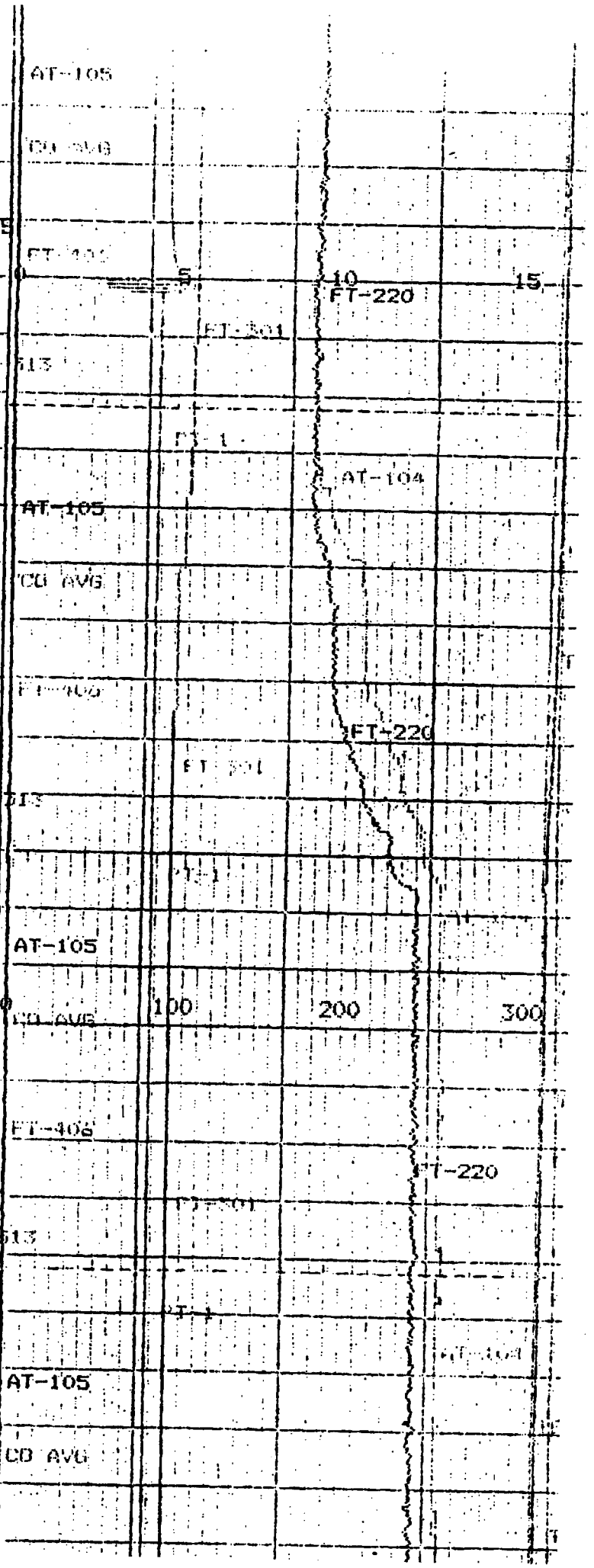
AT-104 BOILER 1 O2 READING

01)	5.2 PPM	AT-105
02)	12.72 %	AT-104
03)	35.4 PSIG	PT-1
04)	95.3 %	LT-900
05)	>RANGE #/HR	FT-513
06)	89.8 CFM	FT-301
07)	2905.7 CFM	FT-220
08)	0.00 GPM	FT-406
09)	1948.3 DEG F	TT-106
10)	>RANGE °F	TT-107
11)	OFF	11
12)	128.42 °C	T-900
13)	34.42 Hz.	Freq
D01)	5.6 PPM	CO AVG
D02)	1940.1 DEG F	TEMP AV
D03)	0.0	TarAvg
T01)	3 Gal	Tar Tot
T02)	10953 CFM	NG X 10

22:00:00 12/09/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	5.4 PPM	AT-105
02)	12.72 %	AT-104
03)	35.8 PSIG	PT-1
04)	95.3 %	LT-900
05)	>RANGE #/HR	FT-513
06)	89.7 CFM	FT-301
07)	2889.0 CFM	FT-220
08)	0.00 GPM	FT-406
09)	1931.3 DEG F	TT-106
10)	>RANGE °F	TT-107
11)	OFF	11
12)	128.50 °C	T-900
13)	34.18 Hz.	Freq
D01)	5.7 PPM	CO AVG



003) .0 TarAvg
T01) 0 Gal Tar Tot
T02) 1216 CFM NG X 10
02:00:00 12/10/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01) 4.4 PPM AT-105
02) 8.78 % AT-104
03) 36.7 PSIG PT-1
04) 95.2 % LT-900
05) >RANGE #/HR FT-513
06) 101.5 CFM FT-301
07) 2187.3 CFM FT-220
08) 0.00 GPM FT-406
09) 2033.8 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.36 °C T-900
13) 26.21 Hz. Freq
D01) 4.5 PPM CO AVG
D02) 2028.2 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 0 Gal Tar Tot
T02) 609 CFM NG X 10
01:00:00 12/10/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01) 4.6 PPM AT-105
02) 8.81 % AT-104
03) 36.6 PSIG PT-1
04) 95.3 % LT-900
05) >RANGE #/HR FT-513
06) 101.6 CFM FT-301
07) 2179.9 CFM FT-220
08) 0.00 GPM FT-406
09) 2020.2 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.35 °C T-900
13) 26.21 Hz. Freq
D01) 4.5 PPM CO AVG
D02) 2009.9 DEG F TEMP AV
D03) 0.0 TarAvg
T01) 3 Gal Tar Tot
T02) 1222 CFM NG X 10

[illegible]	.0		TarAvg
101)	0	Gal	Tar Tot
T02)	3036	CFM	NG X 10

05:00:00 12/10/92 JOB LOG BOILER 1 POINTS

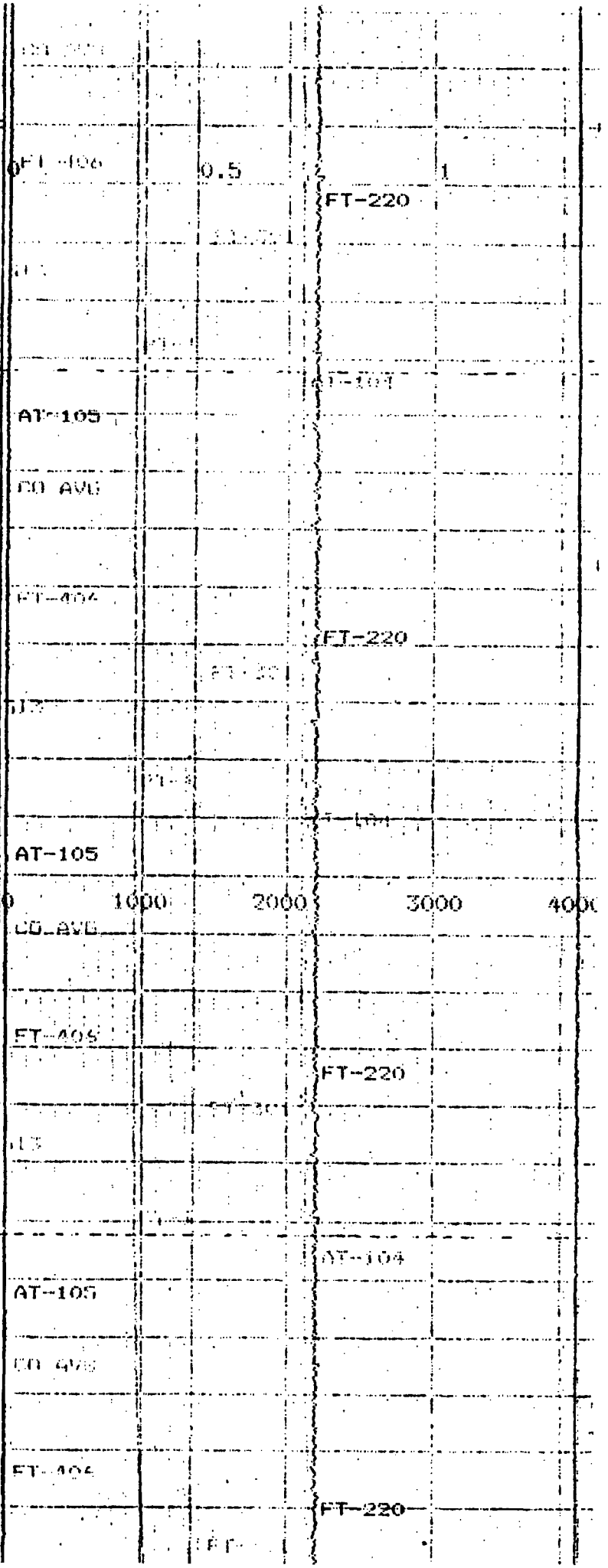
FT-406 TAR FLOW

01)	4.5	PPM	AT-105
02)	8.81	%	AT-104
03)	31.4	PSIG	PT-1
04)	95.2	%	LT-900
05)	>RANGE	#/HR	FT-513
06)	101.5	CFM	FT-301
07)	2196.1	CFM	FT-220
08)	0.00	GPM	FT-406
09)	2050.9	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.62	°C	T-900
13)	26.21	Hz.	Freq
D01)	4.5	PPM	CO-AVG
D02)	2049.8	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	2426	CFM	NG X 10

04:00:00 12/10/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	4.4	PPM	AT-105
02)	8.93	%	AT-104
03)	34.7	PSIG	PT-1
04)	95.1	%	LT-900
05)	>RANGE	#/HR	FT-513
06)	100.4	CFM	FT-301
07)	2187.6	CFM	FT-220
08)	0.00	GPM	FT-406
09)	2047.6	DEG F	TT-106
10)	>RANGE	°F	TT-107
11)	OFF		11
12)	128.52	°C	T-900
13)	26.21	Hz.	Freq
D01)	4.5	PPM	CO AVG
D02)	2045.3	DEG F	TEMP AV
D03)	0.0		TarAvg
T01)	0	Gal	Tar Tot
T02)	1819	CFM	NG X 10



T01) 0 Gal Tar Tot
T02) 4871 CFM NG X 10
08:00:00 12/10/92 JOB LOG BOILER 1 POINTS

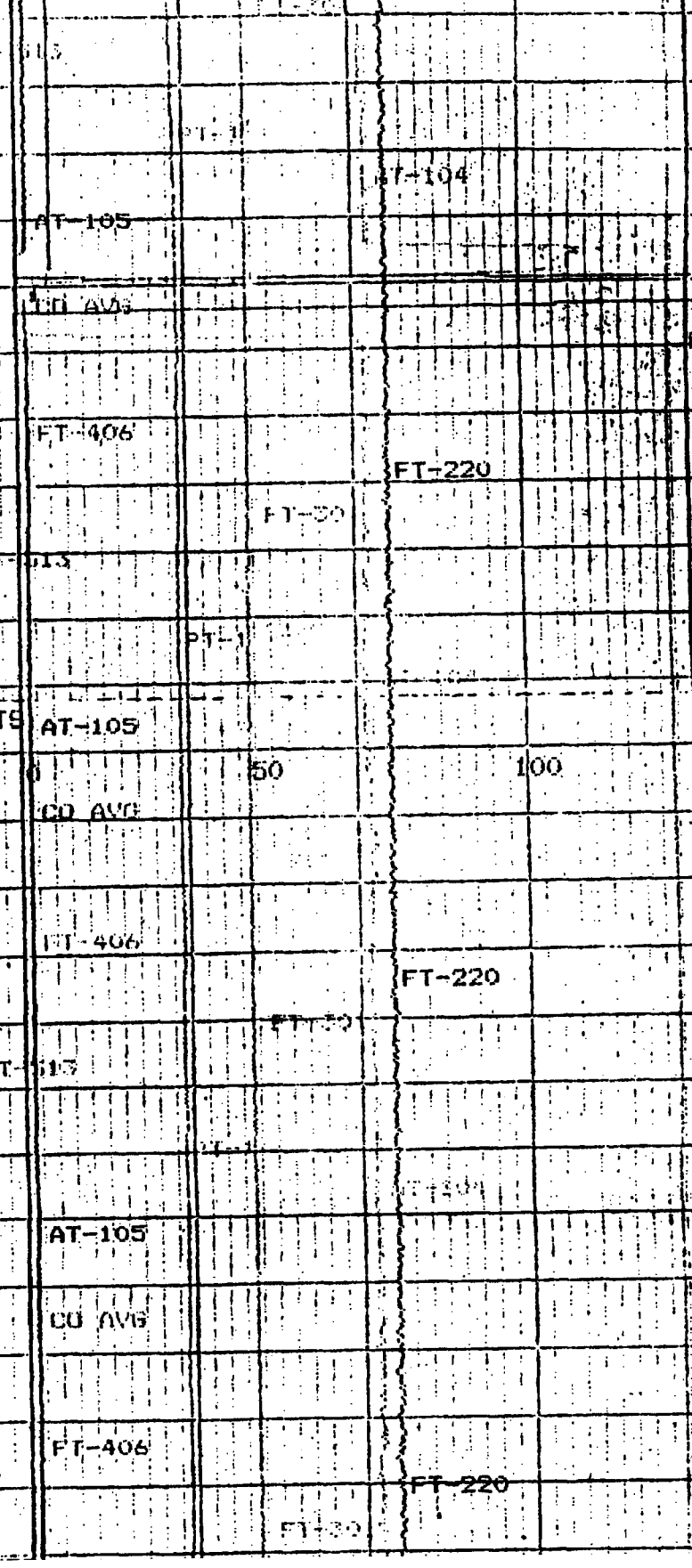
CO AVG CO ROLLING AVERAGE

01)	4.6 PPM	AT-105
02)	8.48 %	AT-104
03)	31.6 PSIG	PT-1
04)	95.3 %	LT-900
05)	>RANGE #/HR	FT-513
06)	101.8 CFM	FT-301
07)	2190.2 CFM	FT-220
08)	0.00 GPM	FT-406
09)	2053.6 DEG F	TT-106
10)	>RANGE °F	TT-107
11)	OFF	11
12)	128.47 °C	T-900
13)	26.45 Hz.	Freq
D01)	4.6 PPM	CO AVG
D02)	2053.0 DEG F	TEMP AV
D03)	0.0	TarAvg
T01)	0 Gal	Tar Tot
T02)	4258 CFM	NG X 10

07:00:00 12/10/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	4.6 PPM	AT-105
02)	8.51 %	AT-104
03)	31.5 PSIG	PT-1
04)	95.3 %	LT-900
05)	>RANGE #/HR	FT-513
06)	102.0 CFM	FT-301
07)	2197.7 CFM	FT-220
08)	0.00 GPM	FT-406
09)	2052.0 DEG F	TT-106
10)	>RANGE °F	TT-107
11)	OFF	11
12)	128.49 °C	T-900
13)	26.44 Hz.	Freq
D01)	4.6 PPM	CO AVG
D02)	2052.7 DEG F	TEMP AV
D03)	0.0	TarAvg
T01)	0 Gal	Tar Tot
T02)	3647 CFM	NG X 10



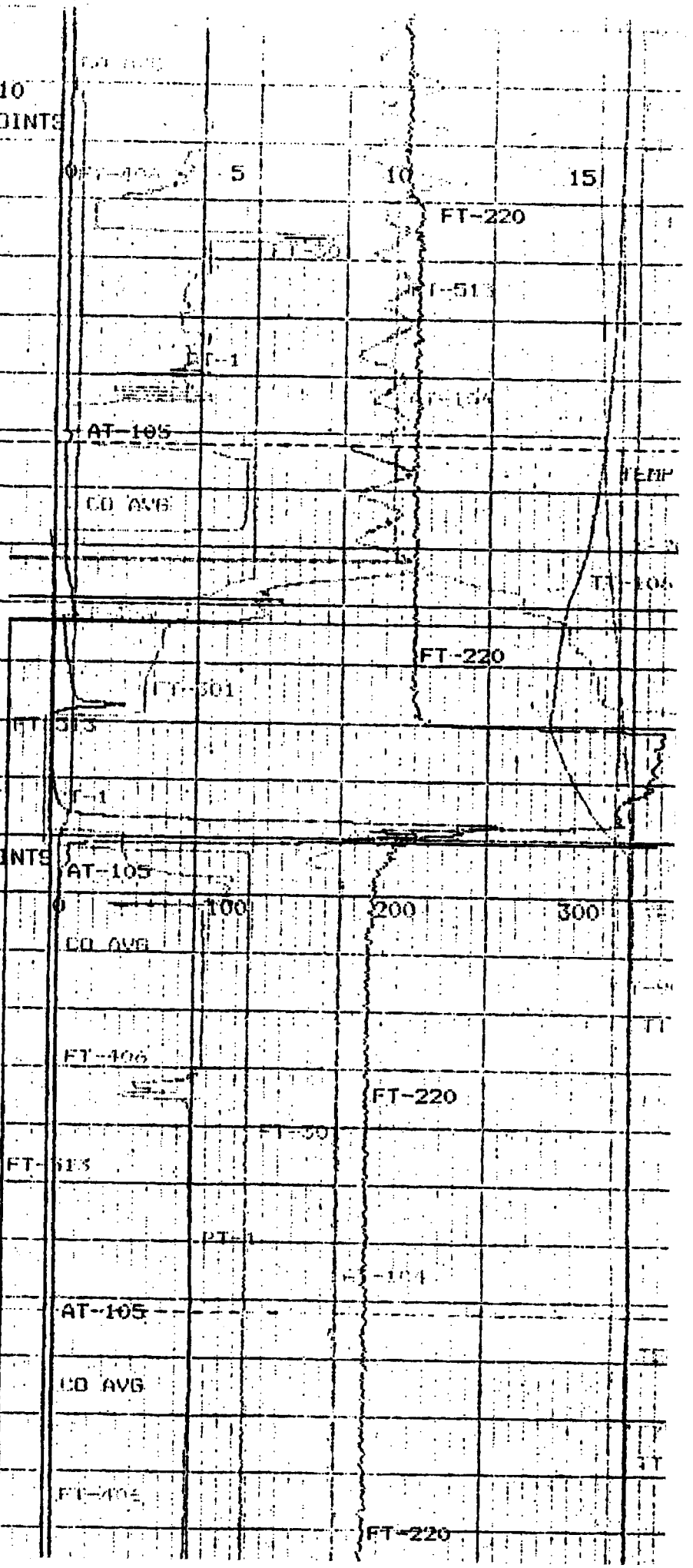
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 6559 CFM NG TOTAL FLOW X 10
11:00:00 12/10/92 JOB LOG BOILER 1 POINTS

T-104 BOILER 1 O2 READING

01) 5.8 PPM AT-105
02) 8.36 % AT-104
03) 22.3 PSIG PT-1
04) 96.3 % LT-900
05) >RANGE #/HR FT-513
06) 103.0 CFM FT-301
07) 2252.0 CFM FT-220
08) 0.00 GPM FT-406
09) 2046.6 DEG F TT-106
10) >RANGE °F TT-107
11) OFF 11
12) 128.56 °C T-900
13) 26.92 Hz. Freq
01) 4.7 PPM CO AVG
02) 2049.2 DEG F TEMP AV
03) 0.0 TarAvg
01) 0 Gal Tar Tot
02) 6101 CFM NG X 10
:00:00 12/10/92 JOB LOG BOILER 1 POINTS

-105 BOILER 1 CO READING

1) 4.6 PPM AT-105
2) 8.34 % AT-104
3) 31.6 PSIG PT-1
4) 95.2 % LT-900
5) >RANGE #/HR FT-513
6) 102.4 CFM FT-301
7) 2195.7 CFM FT-220
8) 0.00 GPM FT-406
9) 2050.0 DEG F TT-106
0) >RANGE °F TT-107
1) OFF 11
2) 128.40 °C T-900
3) 26.45 Hz. Freq
1) 4.7 PPM CO AVG
2) 2051.3 DEG F TEMP AV
3) 0.0 TarAvg
1) 0 Gal Tar Tot



09)	[illegible].0 DEG F	BOILER 1 CHAMB TEMP
10)	[illegible]NGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	128.66 °C	T-900 TEMP
13)	29.73 Hz.	Fan Drive Freq
D01)	5.6 PPM	CO ROLLING AVERAGE
D02)	1989.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	7736 CFM	NG TOTAL FLOW X 10

13:00:00 12/10/92 JOB LOG BOILER 1 POINTS

18.2m

LT-900 TAR TANK LEVEL

01)	5.6 PPM	BOILER 1 CO READING
02)	8.48 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	97.1 %	TAR TANK LEVEL
05)	620 #/HR	BOILER STM FLOW X 10
06)	110.0 CFM	NG FLOW FT-301
07)	2437.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1949.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	128.58 °C	T-900 TEMP
13)	29.49 Hz.	Fan Drive Freq
D01)	7.9 PPM	CO ROLLING AVERAGE
D02)	1933.4 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	7073 CFM	NG TOTAL FLOW X 10

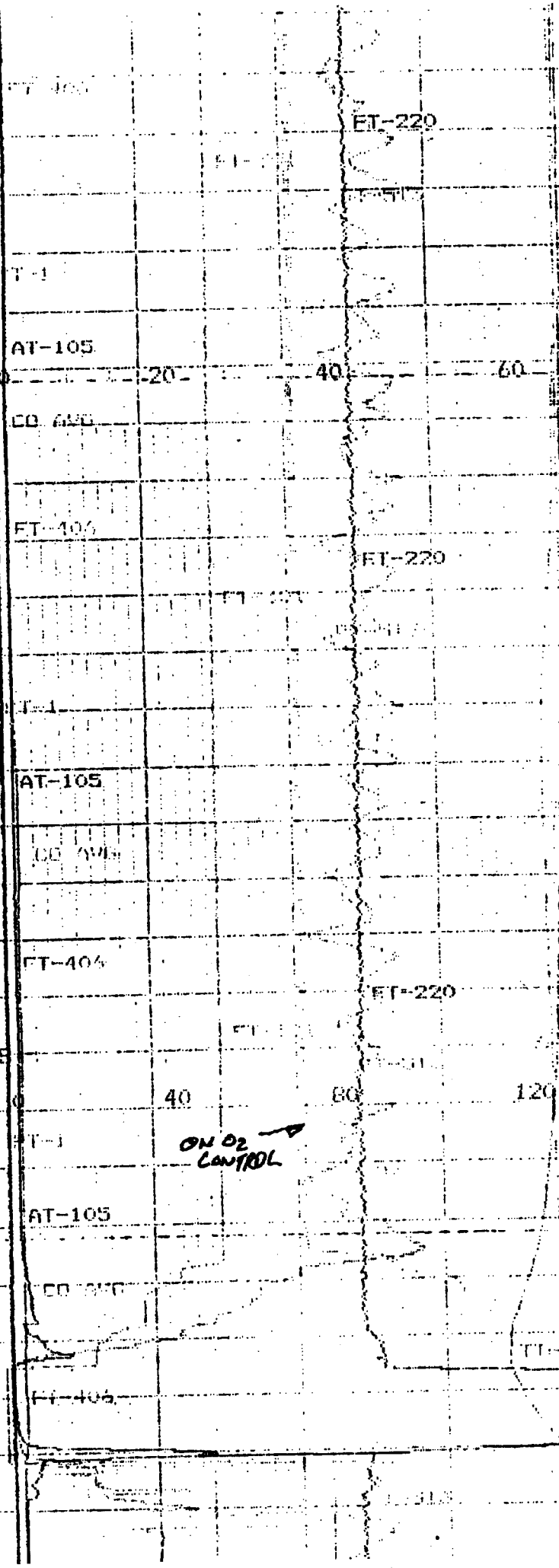
12:00:00 12/10/92 JOB LOG BOILER 1 POINTS

18.3m

PT-1 BOILER 1 RECY PRESS

01)	5.5 PPM	BOILER 1 CO READING
02)	9.19 %	BOILER 1 O2 READING
03)	33.4 PSIG	BOILER 1 RECY PRESS
04)	96.1 %	TAR TANK LEVEL
05)	579 #/HR	BOILER STM FLOW X 10
06)	103.4 CFM	NG FLOW FT-301
07)	2398.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1997.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11

18.4m



01)	5.2	PPM	BOILER 1 CO READING
02)	8.60	%	BOILER 1 O2 READING
03)	91.3	PSIG	BOILER 1 RECY PRESS
04)	95.7	%	TAR TANK LEVEL
05)	619	#/HR	BOILER STM FLOW X 10
06)	110.0	CFM	NG FLOW FT-301
07)	2386.7	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2039.4	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	-128.65	°C	T-900 TEMP
13)	29.26	Hz.	Fan Drive Freq
D01)	5.5	PPM	CO ROLLING AVERAGE
D02)	2034.7	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	9057	CFM	NG TOTAL FLOW X 10

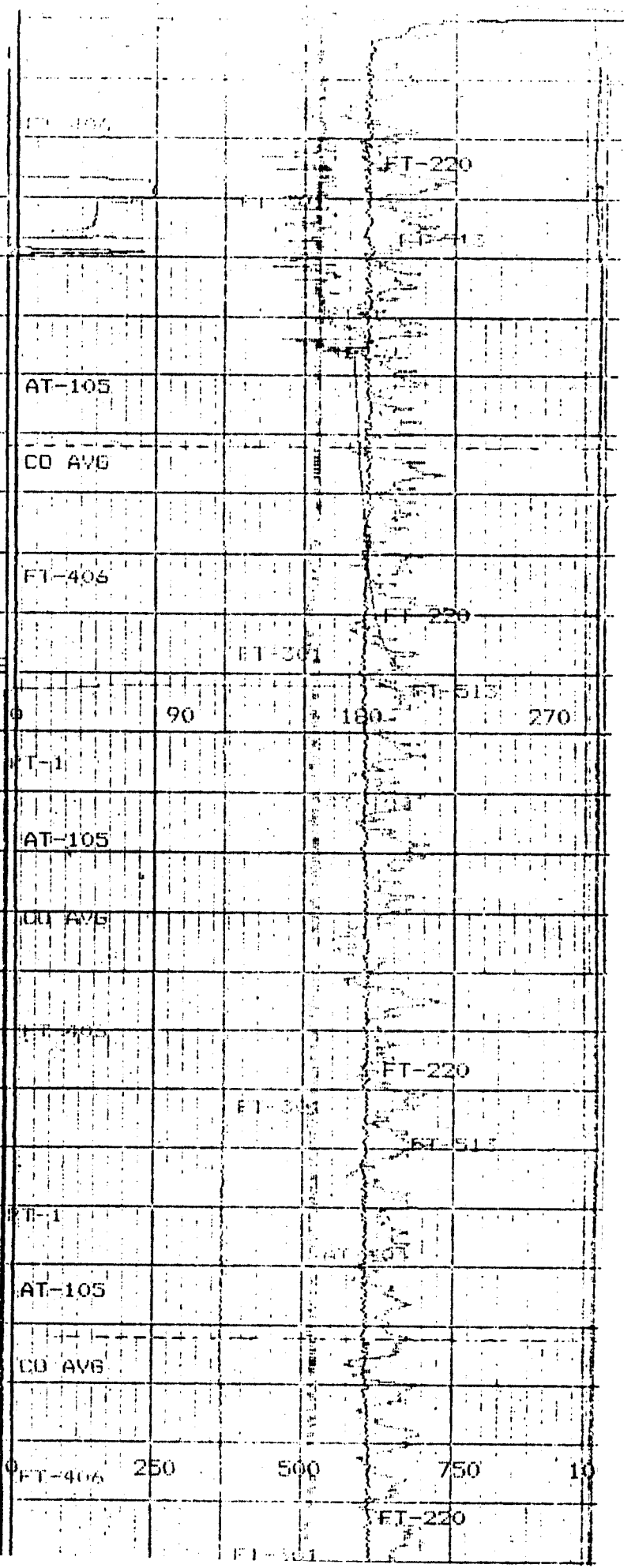
15:00:00 12/10/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	5.6	PPM	BOILER 1 CO READING
02)	8.63	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	95.8	%	TAR TANK LEVEL
05)	688	#/HR	BOILER STM FLOW X 10
06)	109.7	CFM	NG FLOW FT-301
07)	2424.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2029.2	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	128.72	°C	T-900 TEMP
13)	29.26	Hz.	Fan Drive Freq
D01)	5.5	PPM	CO ROLLING AVERAGE
D02)	2021.0	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	8397	CFM	NG TOTAL FLOW X 10

14:00:00 12/10/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10



19:00:00 /10/92 JOB LOG BOILER 1 POINTS

1-900 T-900 TEMP

01)	11.1	PPM	BOILER 1 CO READING
02)	10.84	%	BOILER 1 O2 READING
03)	72.4	PSIG	BOILER 1 RECY PRESS
04)	94.6	%	TAR TANK LEVEL
05)	469	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2726.3	CFM	BOILER 1 AIR FLOW
[redacted]			
09)	1892.6	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	128.64	°C	T-900 TEMP
13)	32.31	Hz.	Fan Drive Freq
D01)	18.4	PPM	CO ROLLING AVERAGE
D02)	1783.3	DEG F	TEMP ROLLING AVERAGE
D03)	0.3		Tar Flow Hr Avg
T01)	81	Gal	Tar Flow Total
T02)	10152	CFM	NG TOTAL FLOW X 10

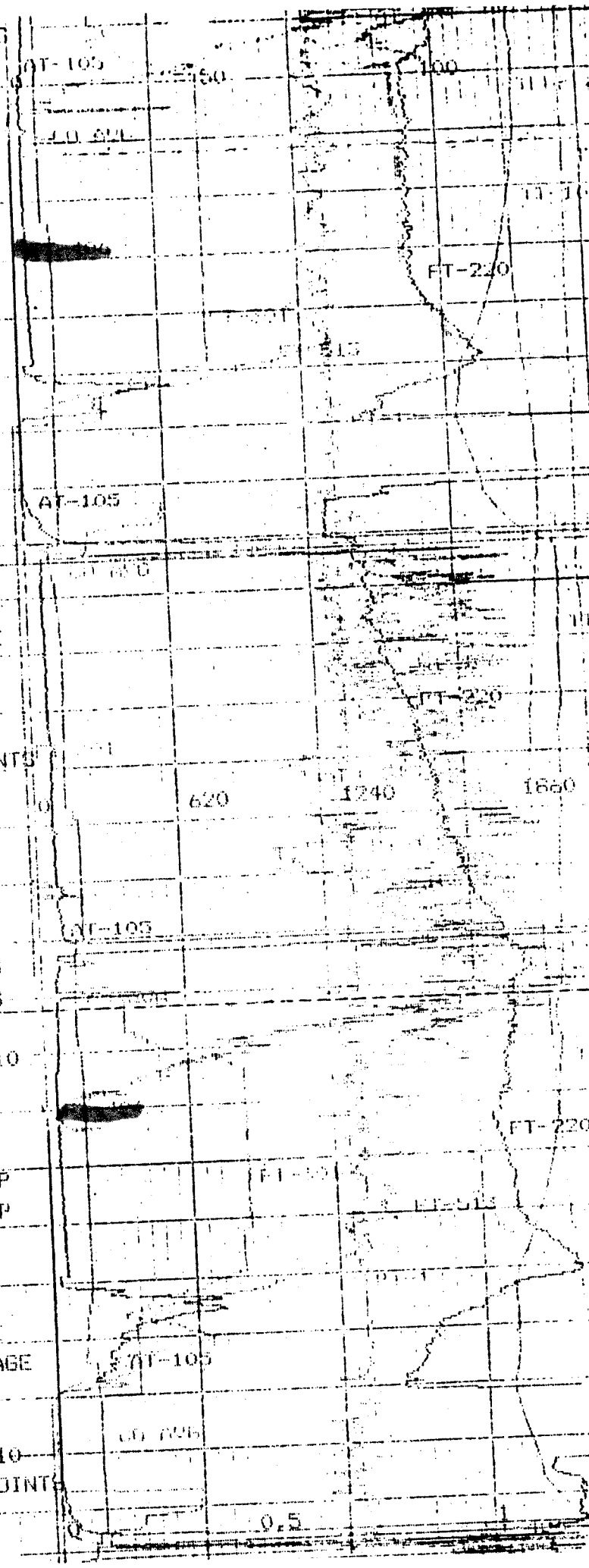
[redacted] JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01)	1.7	PPM	BOILER 1 CO READING
02)	20.44	%	BOILER 1 O2 READING
03)	69.8	PSIG	BOILER 1 RECY PRESS
04)	94.9	%	TAR TANK LEVEL
05)	-1	#/HR	BOILER STM FLOW X 10
06)	-3.0	CFM	NG FLOW FT-301
07)	3475.1	CFM	BOILER 1 AIR FLOW
[redacted]			
09)	1721.4	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	128.66	°C	T-900 TEMP
13)	40.29	Hz.	Fan Drive Freq
D01)	25.4	PPM	CO ROLLING AVERAGE
D02)	1966.9	DEG F	TEMP ROLLING AVERAGE
D03)	0.8		Tar Flow Hr Avg
T01)	58	Gal	Tar Flow Total
T02)	9886	CFM	NG TOTAL FLOW X 10

17:00:00 12/10/92 JOB LOG BOILER 1 POINTS

FT-401 TAR FLOW



13)	42 Hz.	Fan Drive Freq
001)	20.6 PPM	CO ROLLING AVERAGE
002)	1724.0 DEG F	TEMP ROLLING AVERAGE
003)	0.2	Tar Flow Hr Avg
101)	[redacted] Gal	Tar Flow Total
102)	11121 CFM	NG TOTAL FLOW X 10

[redacted]92 JOB LOG BOILER 1 POINTS

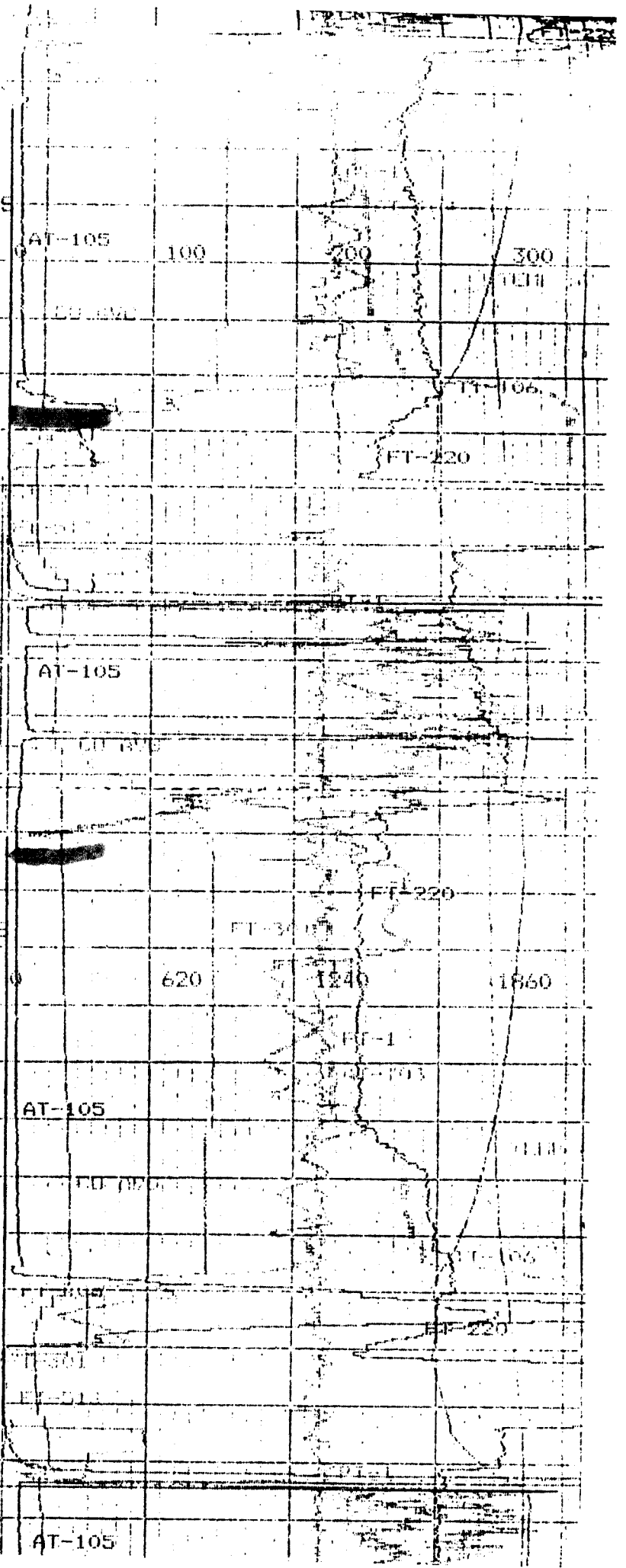
AT-105 BOILER 1 CO READING

01)	5.8 PPM	BOILER 1 CO READING
02)	9.31 %	BOILER 1 O2 READING
03)	73.7 PSIG	BOILER 1 RECY PRESS
04)	93.2 %	TAR TANK LEVEL
05)	699 #/HR	BOILER STM FLOW X 10
06)	108.0 CFM	NG FLOW FT-301
07)	2462.2 CFM	BOILER 1 AIR FLOW
[redacted]		TAR FLOW
09)	1823.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	128.50 °C	T-900 TEMP
13)	29.96 Hz.	Fan Drive Freq
001)	33.5 PPM	CO ROLLING AVERAGE
002)	1724.6 DEG F	TEMP ROLLING AVERAGE
003)	0.2	Tar Flow Hr Avg
101)	181 Gal	Tar Flow Total
102)	10781 CFM	NG TOTAL FLOW X 10

21:00:00 12/10/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	10.5 PPM	BOILER 1 CO READING
02)	10.29 %	BOILER 1 O2 READING
03)	72.6 PSIG	BOILER 1 RECY PRESS
04)	93.4 %	TAR TANK LEVEL
05)	640 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2998.1 CFM	BOILER 1 AIR FLOW
08)	1.10 GPM	TAR FLOW
09)	1867.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	128.58 °C	T-900 TEMP
13)	36.06 Hz.	Fan Drive Freq
001)	23.5 PPM	CO ROLLING AVERAGE
002)	1846.2 DEG F	TEMP ROLLING AVERAGE



13)	[illegible] Hz.	Fan Drive Freq
D01)	[illegible].2 PPM	CO ROLLING AVERAGE
D02)	1867.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.8	Tar Flow Hr Avg
T01)	149 Gal	Tar Flow Total
T02)	257 CFM	NG TOTAL FLOW X 10

01:00:00 12/11/92 JOB LOG BOILER 1 POINTS

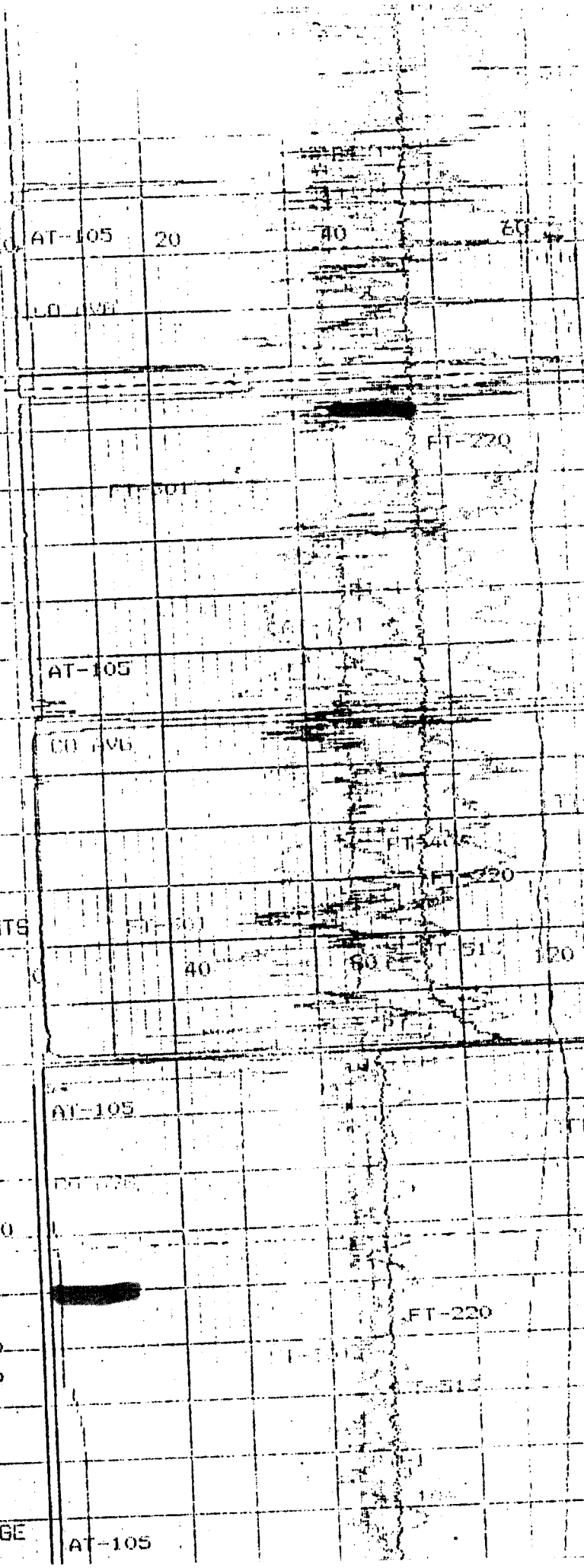
LT-900 TAR TANK LEVEL

01)	7.5 PPM	BOILER 1 CO READING
02)	8.24 %	BOILER 1 O2 READING
03)	75.2 PSIG	BOILER 1 RECY PRESS
04)	92.8 %	TAR TANK LEVEL
05)	702 #/HR	BOILER STM FLOW X 10
06)	42.9 CFM	NG FLOW FT-301
07)	2748.3 CFM	BOILER 1 AIR FLOW
[redacted]		TAR FLOW
09)	1833.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	127.70 °C	T-900 TEMP
13)	33.24 Hz.	Fan Drive Freq
D01)	9.2 PPM	CO ROLLING AVERAGE
D02)	1856.8 DEG F	TEMP ROLLING AVERAGE
D03)	0.1	Tar Flow Hr Avg
T01)	215 Gal	Tar Flow Total
T02)	12168 CFM	NG TOTAL FLOW X 10

00:00:00 12/11/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	5.8 PPM	BOILER 1 CO READING
02)	8.99 %	BOILER 1 O2 READING
03)	74.7 PSIG	BOILER 1 RECY PRESS
04)	92.9 %	TAR TANK LEVEL
05)	604 #/HR	BOILER STM FLOW X 10
06)	107.7 CFM	NG FLOW FT-301
07)	2385.4 CFM	BOILER 1 AIR FLOW
[redacted]		
09)	1791.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	128.32 °C	T-900 TEMP
13)	29.26 Hz.	Fan Drive Freq
D01)	22.6 PPM	CO ROLLING AVERAGE
D02)	1703.7 DEG F	TEMP ROLLING AVERAGE
D03)	[illegible]	Tar Flow Hr Avg



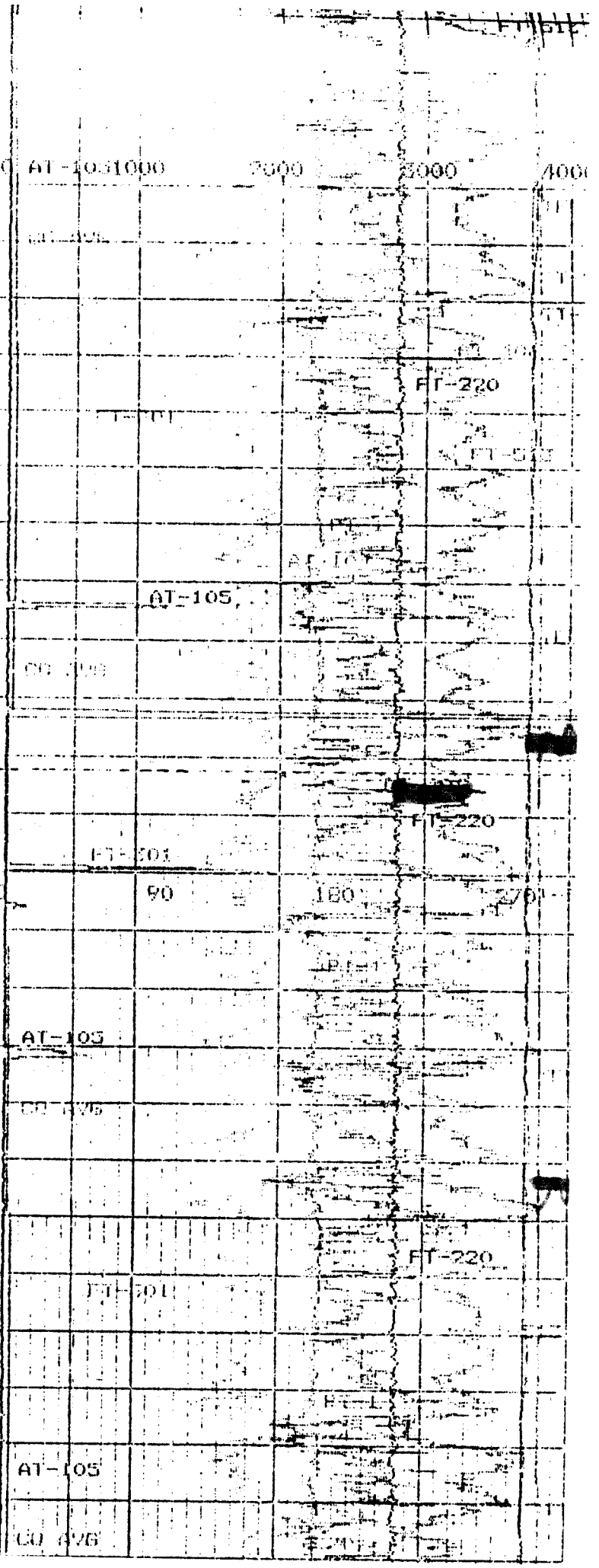
D03) .8 Tar Flow Hr Avg
T01) 303 Gal Tar Flow Total
T02) 1029 CFM NG TOTAL FLOW X 10
04:00:00 12/11/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01) 7.9 PPM BOILER 1 CO READING
02) 6.35 % BOILER 1 O2 READING
03) 74.7 PSIG BOILER 1 RECY PRESS
04) 90.6 % TAR TANK LEVEL
05) 834 #/HR BOILER STM FLOW X 10
06) 42.8 CFM NG FLOW FT-301
07) 2810.7 CFM BOILER 1 AIR FLOW
[redacted]
09) 1919.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.84 °C T-900 TEMP
13) 33.72 Hz. Fan Drive Freq
D01) 8.8 PPM CO ROLLING AVERAGE
D02) 1908.9 DEG F TEMP ROLLING AVERAGE
D03) 0.8 Tar Flow Hr Avg
T01) 152 Gal Tar Flow Total
T02) 772 CFM NG TOTAL FLOW X 10
03:00:00 12/11/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01) 7.5 PPM BOILER 1 CO READING
02) 7.45 % BOILER 1 O2 READING
03) 74.0 PSIG BOILER 1 RECY PRESS
04) 91.3 % TAR TANK LEVEL
05) 755 #/HR BOILER STM FLOW X 10
06) 42.8 CFM NG FLOW FT-301
07) 2757.1 CFM BOILER 1 AIR FLOW
[redacted]
09) 1904.0 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 126.49 °C T-900 TEMP
13) 33.83 Hz. Fan Drive Freq
D01) 12.8 PPM CO ROLLING AVERAGE
D02) 1895.4 DEG F TEMP ROLLING AVERAGE
D03) 0.8 Tar Flow Hr Avg
T01) 100 Gal Tar Flow Total
T02) 515 CFM NG TOTAL FLOW X 10



[illegible]	[illegible] DEG F	TEMP ROLLING AVERAGE
D03)	[illegible].8	Tar Flow Hr Avg
T01)	357 Gal	Tar Flow Total
T02)	1801 CFM	NG TOTAL FLOW X 10

07:00:00 12/11/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	7.6 PPM	BOILER 1 CO READING
02)	8.09 %	BOILER 1 O2 READING
03)	73.3 PSIG	BOILER 1 RECY PRESS
04)	88.5 %	TAR TANK LEVEL
05)	828 #/HR	BOILER STM FLOW X 10
06)	42.8 CFM	NG FLOW FT-301
07)	2788.7 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	1940.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.61 °C	T-900 TEMP
13)	33.72 Hz.	Fan Drive Freq
D01)	7.8 PPM	CO ROLLING AVERAGE
D02)	1931.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.8	Tar Flow Hr Avg
T01)	306 Gal	Tar Flow Total
T02)	1544 CFM	NG TOTAL FLOW X 10

06:00:00 12/11/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01)	8.1 PPM	BOILER 1 CO READING
02)	8.54 %	BOILER 1 O2 READING
03)	73.6 PSIG	BOILER 1 RECY PRESS
04)	89.1 %	TAR TANK LEVEL
05)	806 #/HR	BOILER STM FLOW X 10
06)	42.9 CFM	NG FLOW FT-301
07)	2804.8 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	1926.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.67 °C	T-900 TEMP
13)	33.72 Hz.	Fan Drive Freq
D01)	7.8 PPM	CO ROLLING AVERAGE
D02)	1925.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.8	Tar Flow Hr Avg
T01)	254 Gal	Tar Flow Total

T01) 87 Gal Tar Flow Total
T02) 105 CFM NG TOTAL FLOW X 10
10:00:00 12/11/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

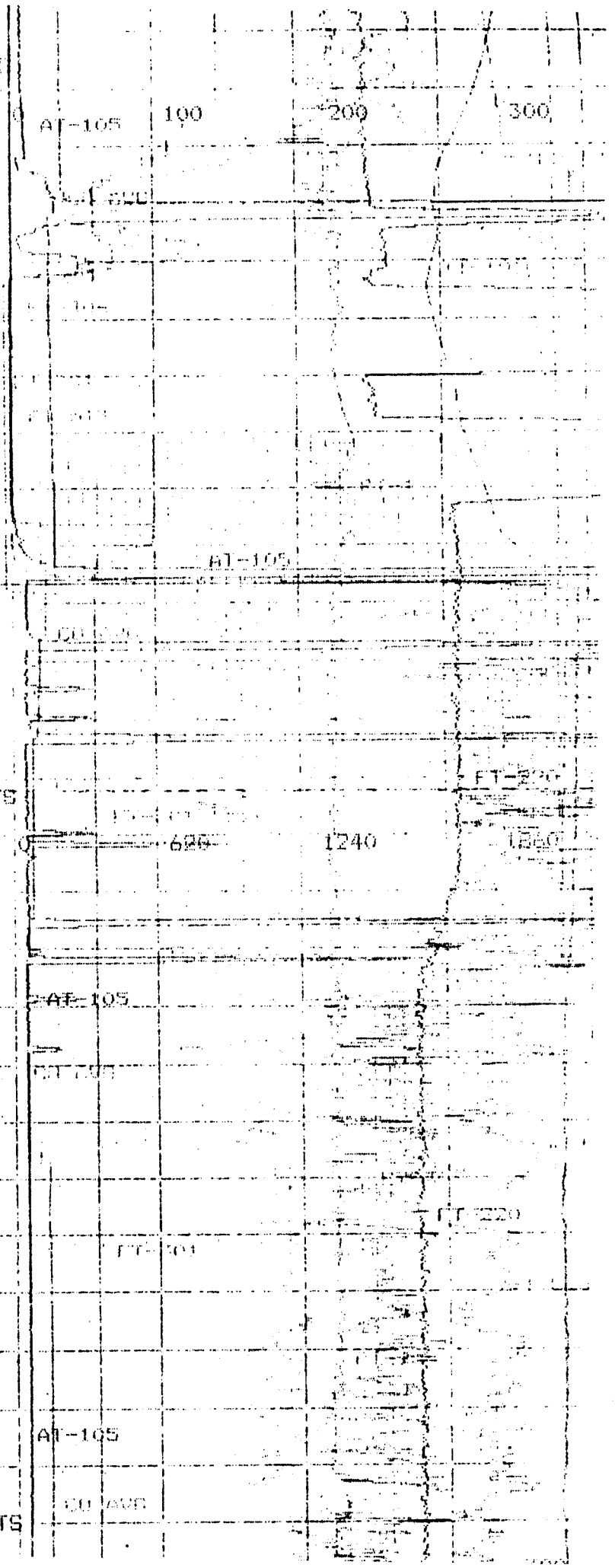
01)	7.5	PPM	BOILER 1 CO READING
02)	5.61	%	BOILER 1 O2 READING
03)	74.9	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	993	#/HR	BOILER STM FLOW X 10
06)	42.8	CFM	NG FLOW FT-301
07)	3053.4	CFM	BOILER 1 AIR FLOW
[redacted]			
09)	2003.9	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.43	°C	T-900 TEMP
13)	37.47	Hz.	Fan Drive Freq
D01)	11.7	PPM	CO ROLLING AVERAGE
D02)	1959.1	DEG F	TEMP ROLLING AVERAGE
D03)	0.9		Tar Flow Hr Avg
T01)	465	Gal	Tar Flow Total
T02)	2316	CFM	NG TOTAL FLOW X 10

09:00:00 12/11/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	6.9	PPM	BOILER 1 CO READING
02)	8.06	%	BOILER 1 O2 READING
03)	72.7	PSIG	BOILER 1 RECY PRESS
04)	87.1	%	TAR TANK LEVEL
05)	811	#/HR	BOILER STM FLOW X 10
06)	42.7	CFM	NG FLOW FT-301
07)	2803.1	CFM	BOILER 1 AIR FLOW
[redacted]			
09)	1941.6	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.46	°C	T-900 TEMP
13)	33.95	Hz.	Fan Drive Freq
D01)	19.7	PPM	CO ROLLING AVERAGE
D02)	1940.3	DEG F	TEMP ROLLING AVERAGE
D03)	0.8		Tar Flow Hr Avg
T01)	408	Gal	Tar Flow Total
T02)	2059	CFM	NG TOTAL FLOW X 10

08:00:00 12/11/92 JOB LOG BOILER 1 POINTS



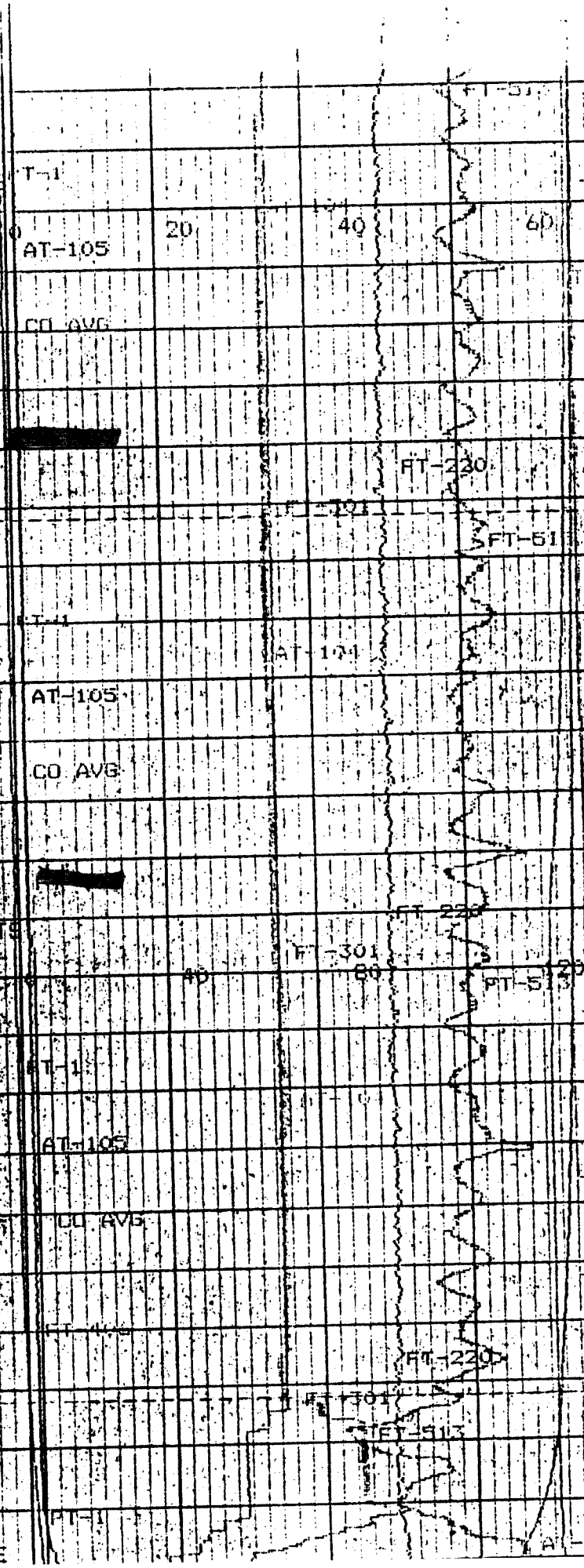
D01) 5.5 PPM CO ROLLING AVERAGE
D02) 1924.6 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 487 Gal Tar Flow Total
T02) 4652 CFM NG TOTAL FLOW X 10
13:00:00 12/11/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01) 5.2 PPM BOILER 1 CO READING
02) 7.15 % BOILER 1 O2 READING
03) -1.0 PSIG BOILER 1 RECY PRESS
04) 86.6 % TAR TANK LEVEL
05) 716 #/HR BOILER STM FLOW X 10
06) 130.2 CFM NG FLOW FT-301
07) 2476.6 CFM BOILER 1 AIR FLOW
[redacted]
09) 1901.6 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.54 °C T-900 TEMP
13) 30.19 Hz. Fan Drive Freq
D01) 7.0 PPM CO ROLLING AVERAGE
D02) 1824.5 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 487 Gal Tar Flow Total
T02) 3868 CFM NG TOTAL FLOW X 10
12:00:00 12/11/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01) 127.1 PPM BOILER 1 CO READING
02) 20.29 % BOILER 1 O2 READING
03) 2.5 PSIG BOILER 1 RECY PRESS
04) 90.5 % TAR TANK LEVEL
05) 8 #/HR BOILER STM FLOW X 10
06) -3.0 CFM NG FLOW FT-301
07) 2461.7 CFM BOILER 1 AIR FLOW
[redacted]
09) 1834.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.40 °C T-900 TEMP
13) 30.19 Hz. Fan Drive Freq
D01) 7.1 PPM CO ROLLING AVERAGE
D02) 1831.0 DEG F TEMP ROLLING AVERAGE



FT-220 BOILER 1 AIR FLOW

01)	5.2	PPM	BOILER 1 CO READING
02)	7.45	%	BOILER 1 O2 READING
03)	-1.1	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	743	#/HR	BOILER STM FLOW X 10
06)	130.6	CFM	NG FLOW FT-301
07)	2561.6	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	1997.4	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.57	°C	T-900 TEMP
13)	31.14	Hz.	Fan Drive Freq
D01)	5.2	PPM	CO ROLLING AVERAGE
D02)	1989.0	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	6222	CFM	NG TOTAL FLOW X 10

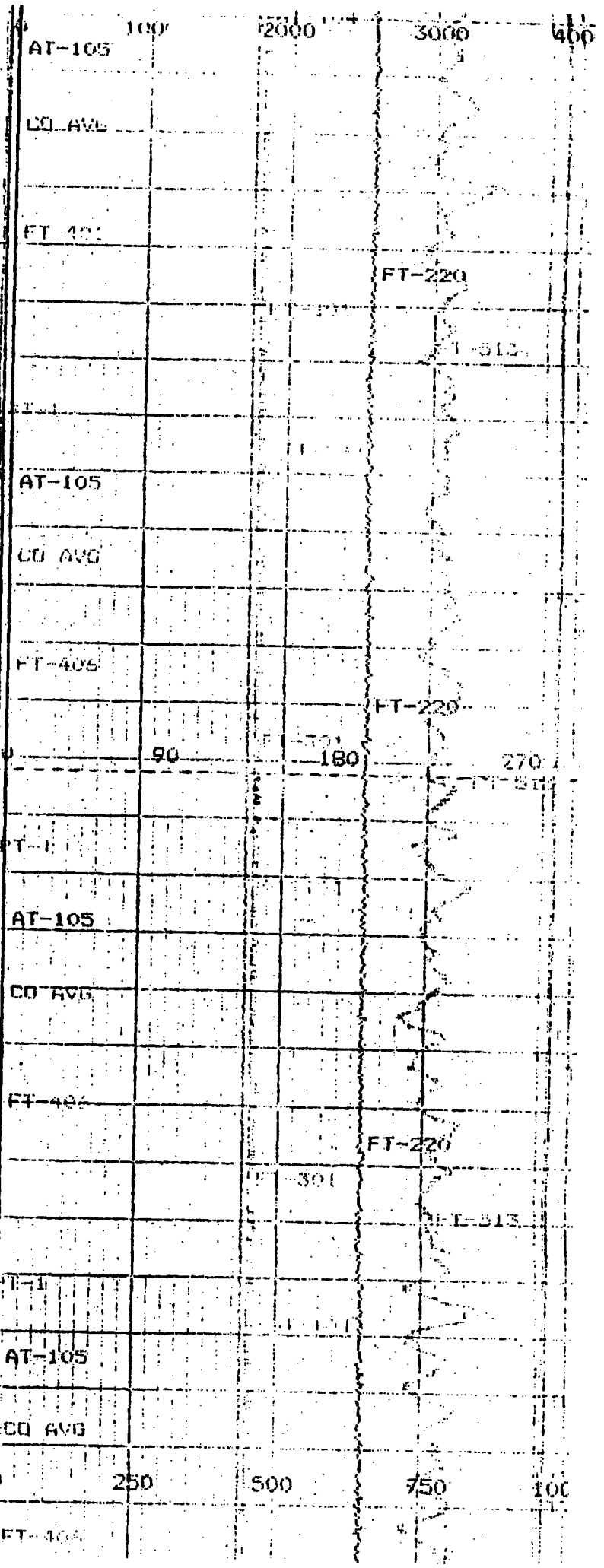
15:00:00 12/11/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	5.2	PPM	BOILER 1 CO READING
02)	7.57	%	BOILER 1 O2 READING
03)	-1.1	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	773	#/HR	BOILER STM FLOW X 10
06)	130.9	CFM	NG FLOW FT-301
07)	2587.6	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	1979.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.67	°C	T-900 TEMP
13)	31.37	Hz.	Fan Drive Freq
D01)	5.2	PPM	CO ROLLING AVERAGE
D02)	1963.7	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	5437	CFM	NG TOTAL FLOW X 10

14:00:00 12/11/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10



T02) 9354 CFM NG TOTAL FLOW X 10
19:00:00 12/11/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

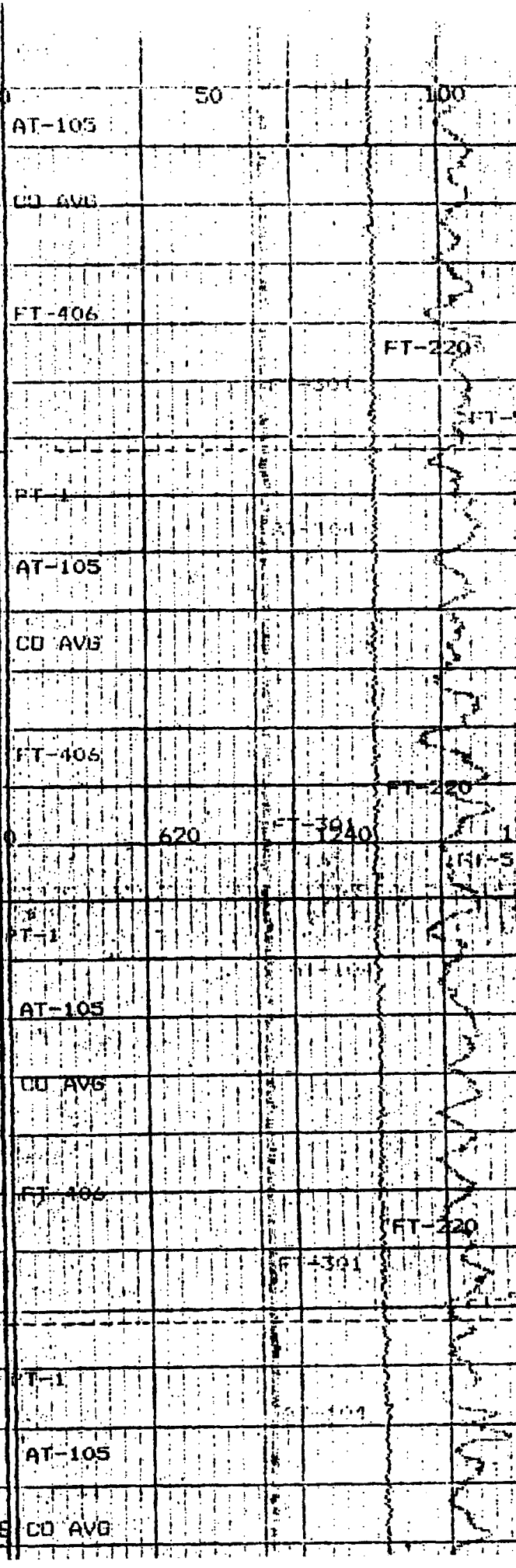
01)	4.6	PPM	BOILER 1 CO READING
02)	7.52	%	BOILER 1 O2 READING
03)	-0.3	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	771	#/HR	BOILER STM FLOW X 10
06)	130.3	CFM	NG FLOW FT-301
07)	2554.2	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2023.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.42	°C	T-900 TEMP
13)	30.90	Hz.	Fan Drive Freq
D01)	4.7	PPM	CO ROLLING AVERAGE
D02)	2021.4	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	8572	CFM	NG TOTAL FLOW X 10

18:00:00 12/11/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01)	5.2	PPM	BOILER 1 CO READING
02)	7.46	%	BOILER 1 O2 READING
03)	-0.2	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	806	#/HR	BOILER STM FLOW X 10
06)	130.6	CFM	NG FLOW FT-301
07)	2546.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2019.0	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.48	°C	T-900 TEMP
13)	31.14	Hz.	Fan Drive Freq
D01)	4.9	PPM	CO ROLLING AVERAGE
D02)	2015.0	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	7790	CFM	NG TOTAL FLOW X 10

17:00:00 12/11/92 JOB LOG BOILER 1 POINTS



Chessell CHART No. GD244101U100

102) 1 B CFM NG TOTAL FLOW X 10
22:00:00 12/11/92 JOB LOG -BOILER 1 POINTS

AT-105 BOILER 1 CO READING

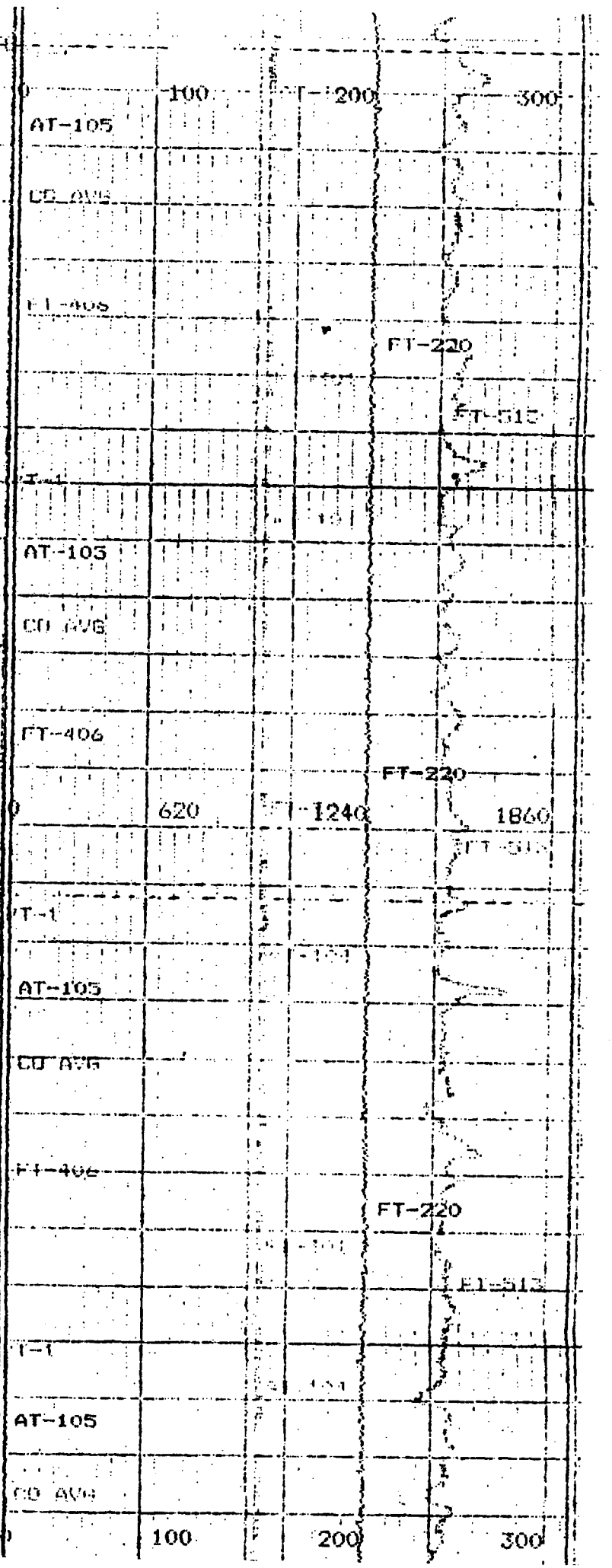
01)	4.6	PPM	BOILER 1 CO READING
02)	7.50	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	769	#/HR	BOILER STM FLOW X 10
06)	129.6	CFM	NG FLOW FT-301
07)	2502.6	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2030.6	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.65	°C	T-900 TEMP
13)	30.67	Hz.	Fan Drive Freq
001)	4.6	PPM	CO ROLLING AVERAGE
002)	2029.7	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	10911	CFM	NG TOTAL FLOW X 10

21:00:00 12/11/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	4.6	PPM	BOILER 1 CO READING
02)	7.50	%	BOILER 1 O2 READING
03)	-0.2	PSIG	BOILER 1 RECY PRESS
04)	86.1	%	TAR TANK LEVEL
05)	761	#/HR	BOILER STM FLOW X 10
06)	129.7	CFM	NG FLOW FT-301
07)	2524.0	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2029.2	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.61	°C	T-900 TEMP
13)	30.76	Hz.	Fan Drive Freq
001)	4.6	PPM	CO ROLLING AVERAGE
002)	2028.4	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	10134	CFM	NG TOTAL FLOW X 10

20:00:00 12/11/92 JOB LOG BOILER 1 POINTS



LT-900 TAR TANK LEVEL

01)	4.6	PPM	BOILER 1 CO READING
02)	7.51	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	805	#/HR	BOILER STM FLOW X 10
06)	129.6	CFM	NG FLOW FT-301
07)	2515.8	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2032.7	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.47	°C	T-900 TEMP
13)	30.90	Hz.	Fan Drive Freq
001)	4.6	PPM	CO ROLLING AVERAGE
002)	2032.6	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	13243	CFM	NG TOTAL FLOW X 10

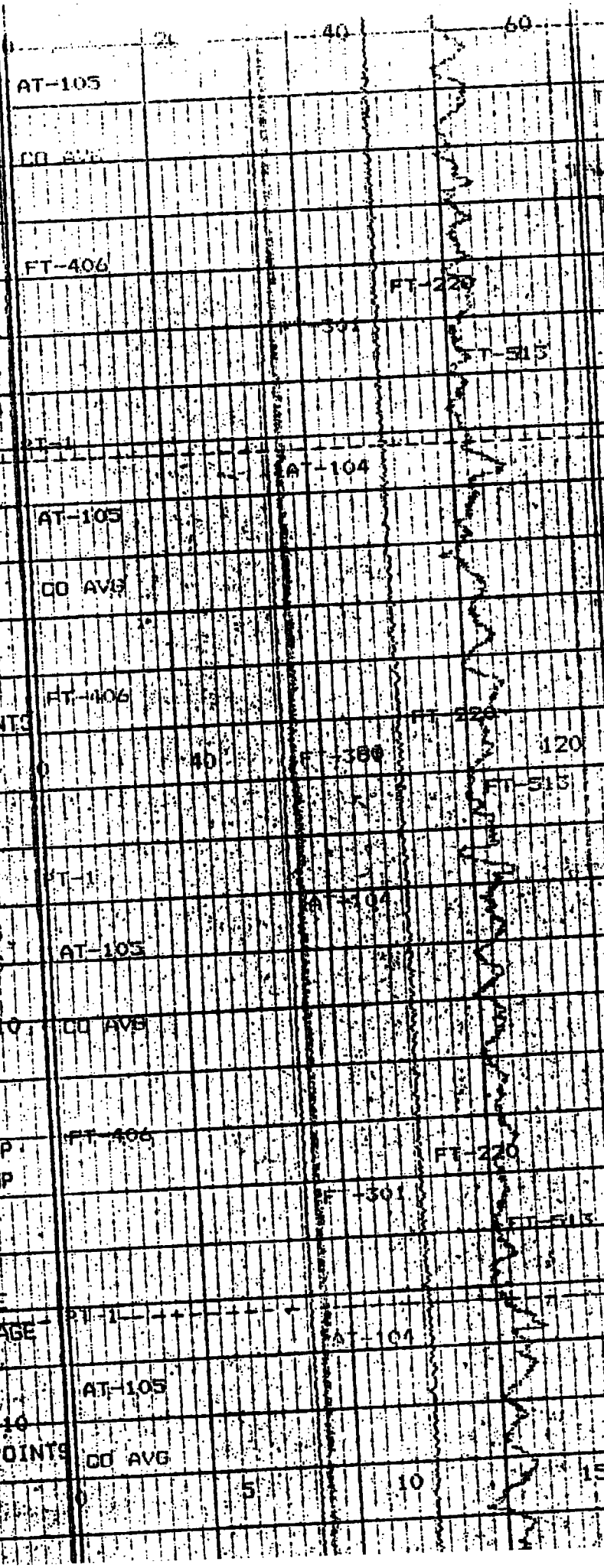
00:00:00 12/12/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	4.6	PPM	BOILER 1 CO READING
02)	7.46	%	BOILER 1 O2 READING
03)	0.5	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	146	#/HR	BOILER STM FLOW X 10
06)	129.6	CFM	NG FLOW FT-301
07)	2538.3	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2032.6	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.52	°C	T-900 TEMP
13)	30.88	Hz.	Fan Drive Freq
001)	4.6	PPM	CO ROLLING AVERAGE
002)	2031.9	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	487	Gal	Tar Flow Total
T02)	12466	CFM	NG TOTAL FLOW X 10

23:00:00 12/11/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING



001)	.5 PPM	CO ROLLING AVERAGE
002)	2033.7 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	3107 CFM	NG TOTAL FLOW X 10

04:00:00 12/12/92 JOB LOG BOILER 1 POINTS

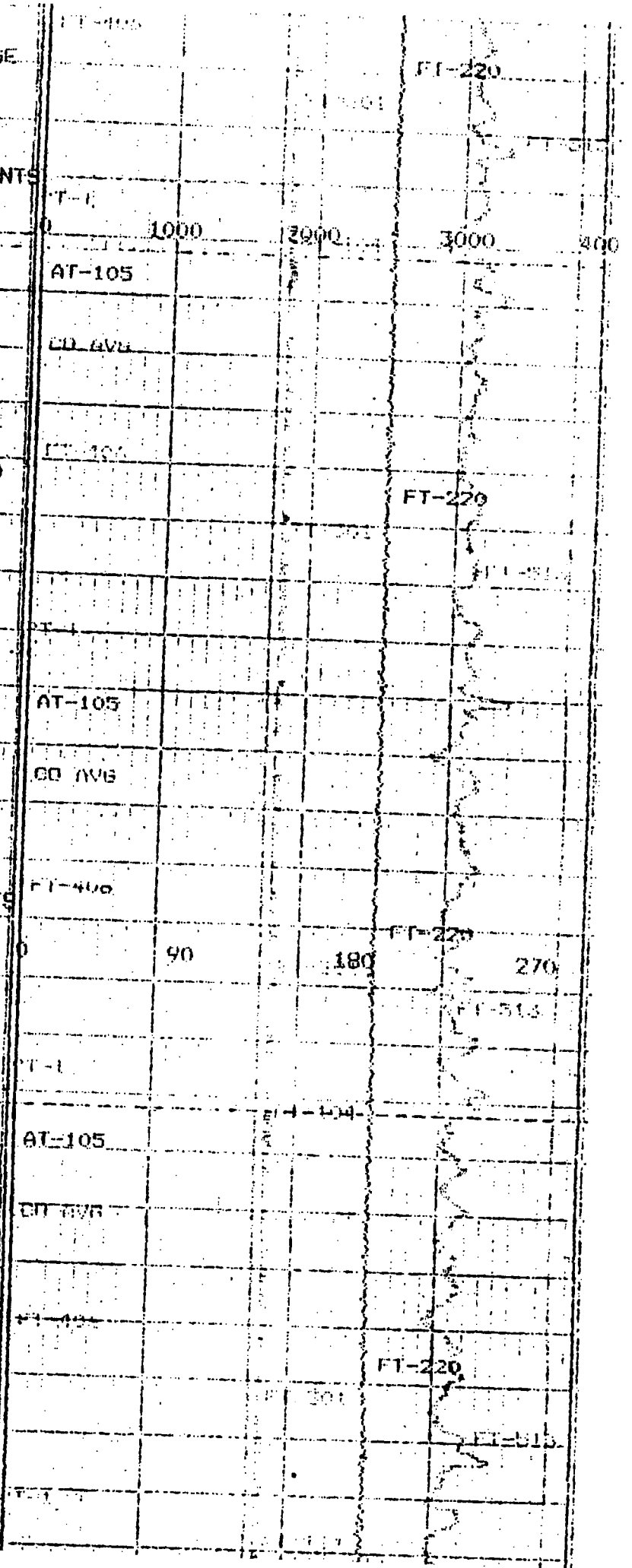
FT-220 BOILER 1 AIR FLOW

01)	4.6 PPM	BOILER 1 CO READING
02)	7.53 %	BOILER 1 O2 READING
03)	-0.9 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	756 #/HR	BOILER STM FLOW X 10
06)	129.6 CFM	NG FLOW FT-301
07)	2499.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2033.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.47 °C	T-900 TEMP
13)	30.66 Hz.	Fan Drive Freq
001)	4.6 PPM	CO ROLLING AVERAGE
002)	2033.8 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	2331 CFM	NG TOTAL FLOW X 10

03:00:00 12/12/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	4.6 PPM	BOILER 1 CO READING
02)	7.40 %	BOILER 1 O2 READING
03)	-0.8 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	731 #/HR	BOILER STM FLOW X 10
06)	129.5 CFM	NG FLOW FT-301
07)	2517.6 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2032.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.33 °C	T-900 TEMP
13)	30.67 Hz.	Fan Drive Freq
01)	4.6 PPM	CO ROLLING AVERAGE
02)	2033.6 DEG F	TEMP ROLLING AVERAGE
03)	0.0	Tar Flow Hr Avg



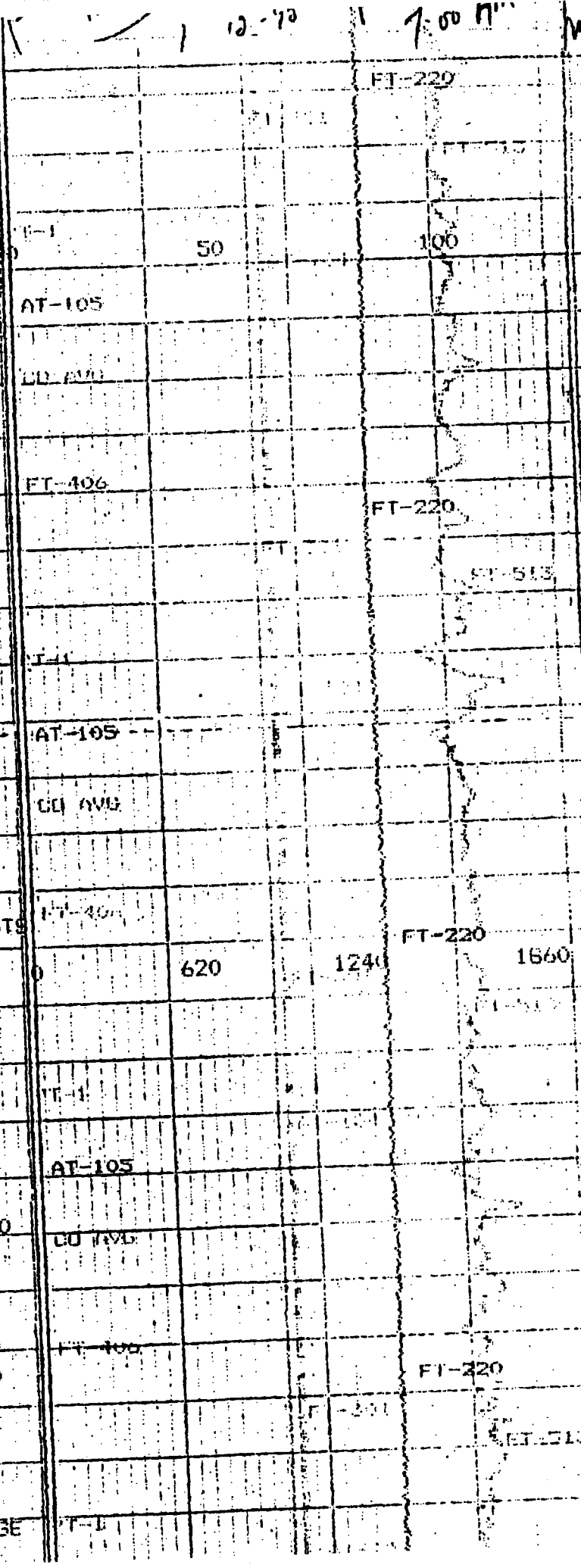
(13) 30. Hz. Fan Drive Freq
001) 4.3 PPM CO ROLLING AVERAGE
002) 2033.0 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
101) 0 Gal Tar Flow Total
102) 5429 CFM NG TOTAL FLOW X 10
07:00:00 12/12/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01) 4.1 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) -0.8 PSIG BOILER 1 RECY PRESS
04) 86.2 % TAR TANK LEVEL
05) 783 #/HR BOILER STM FLOW X 10
06) 129.1 CFM NG FLOW FT-301
07) 2507.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2033.6 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.61 °C T-900 TEMP
13) 30.43 Hz. Fan Drive Freq
001) 4.5 PPM CO ROLLING AVERAGE
002) 2033.5 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
101) 0 Gal Tar Flow Total
102) 4657 CFM NG TOTAL FLOW X 10
06:00:00 12/12/92 JOB LOG BOILER 1 POINTS

IT-106 BOILER 1 CHAMB TEMP

01) 4.0 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) -1.0 PSIG BOILER 1 RECY PRESS
04) 86.1 % TAR TANK LEVEL
05) 812 #/HR BOILER STM FLOW X 10
06) 129.2 CFM NG FLOW FT-301
07) 2501.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2034.6 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.66 °C T-900 TEMP
13) 30.47 Hz. Fan Drive Freq
D01) 4.5 PPM CO ROLLING AVERAGE
D02) 2033.8 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg



T02) 3 CFM NG TOTAL FLOW X 10
10:00:00 12/12/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

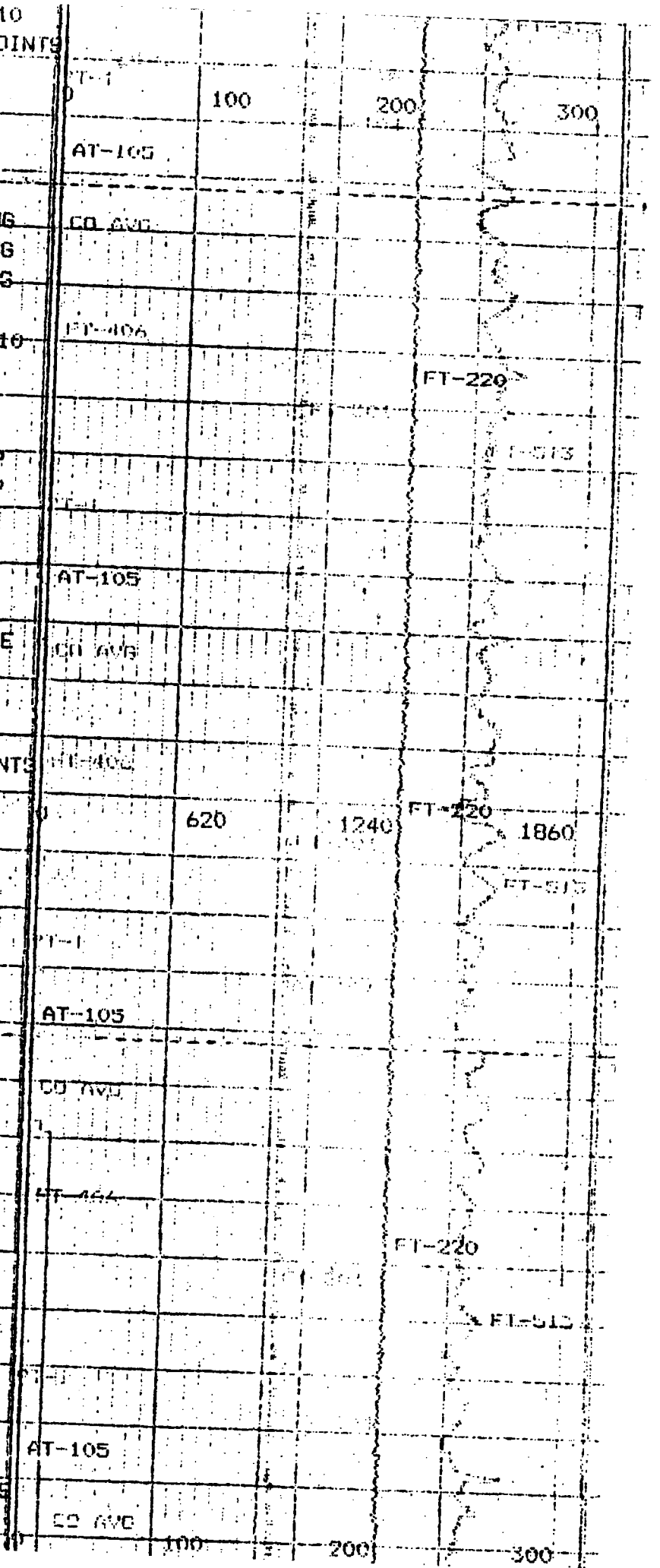
01)	4.2 PPM	BOILER 1 CO READING
02)	7.51 %	BOILER 1 O2 READING
03)	-0.7 PSIG	BOILER 1 RECY PRESS
04)	86.3 %	TAR TANK LEVEL
05)	785 #/HR	BOILER STM FLOW X 10
06)	130.0 CFM	NG FLOW FT-301
07)	2561.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2034.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.42 °C	T-900 TEMP
13)	31.13 Hz.	Fan Drive Freq
001)	4.2 PPM	CO ROLLING AVERAGE
002)	2035.8 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	6981 CFM	NG TOTAL FLOW X 10

09:00:00 12/12/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	4.0 PPM	BOILER 1 CO READING
02)	7.53 %	BOILER 1 O2 READING
03)	-0.6 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	795 #/HR	BOILER STM FLOW X 10
06)	129.0 CFM	NG FLOW FT-301
07)	2531.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2039.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.50 °C	T-900 TEMP
13)	30.90 Hz.	Fan Drive Freq
01)	16.9 PPM	CO ROLLING AVERAGE
02)	2042.7 DEG F	TEMP ROLLING AVERAGE
03)	0.0	Tar Flow Hr Avg
1)	0 Gal	Tar Flow Total
2)	6202 CFM	NG TOTAL FLOW X 10

:00:00 12/12/92 JOB LOG BOILER 1 POINTS



T-900 - T. TANK LEVEL

01)	4.6 PPM	BOILER 1 CO READING
02)	7.51 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	775 #/HR	BOILER STM FLOW X 10
06)	131.5 CFM	NG FLOW FT-301
07)	2609.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2039.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.56 °C	T-900 TEMP
13)	31.37 Hz.	Fan Drive Freq
001)	4.5 PPM	CO ROLLING AVERAGE
002)	2038.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	9336 CFM	NG TOTAL FLOW X 10

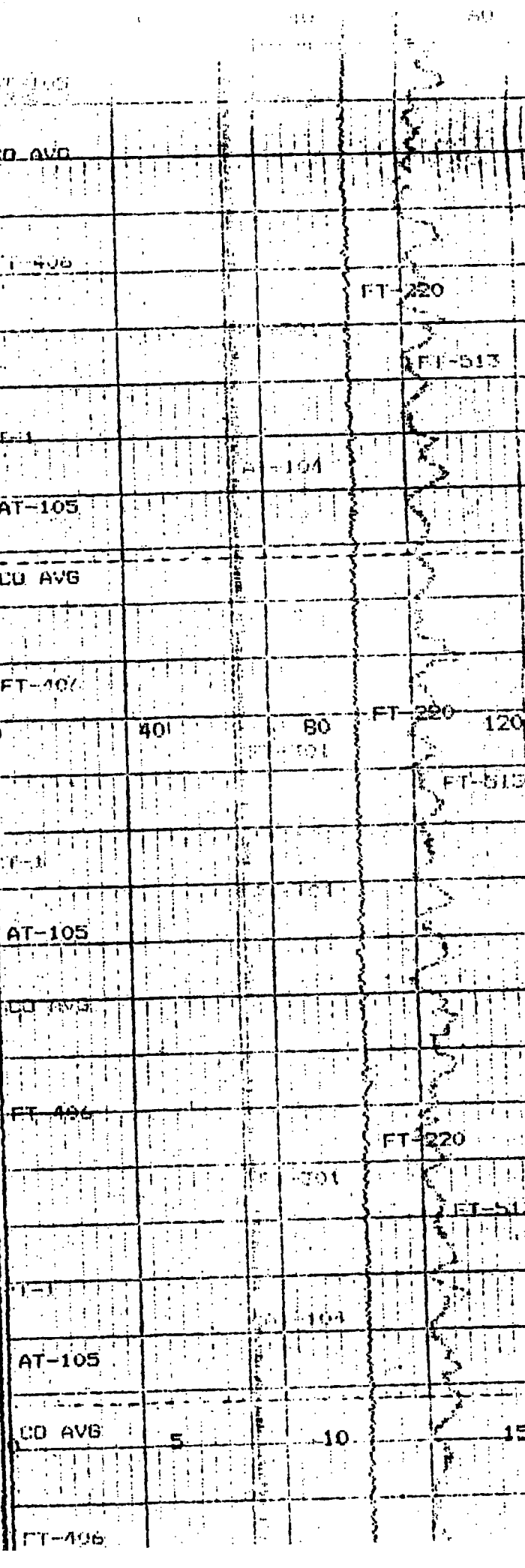
12:00:00 12/12/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	4.6 PPM	BOILER 1 CO READING
02)	7.45 %	BOILER 1 O2 READING
03)	-0.3 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	801 #/HR	BOILER STM FLOW X 10
06)	130.9 CFM	NG FLOW FT-301
07)	2594.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2038.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.39 °C	T-900 TEMP
13)	30.90 Hz.	Fan Drive Freq
001)	4.3 PPM	CO ROLLING AVERAGE
002)	2036.6 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	8548 CFM	NG TOTAL FLOW X 10

11:00:00 12/12/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING



D02)	3.4	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	12505	CFM	NG TOTAL FLOW X 10

16:00:00 12/12/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	4.6	PPM	BOILER 1 CO READING
02)	7.51	%	BOILER 1 O2 READING
03)	-0.3	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	770	#/HR	BOILER STM FLOW X 10
06)	132.5	CFM	NG FLOW FT-301
07)	2617.4	CFM	BOILER 1 AIR FLOW
08)	-0.00	GPM	TAR FLOW
09)	2042.0	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP

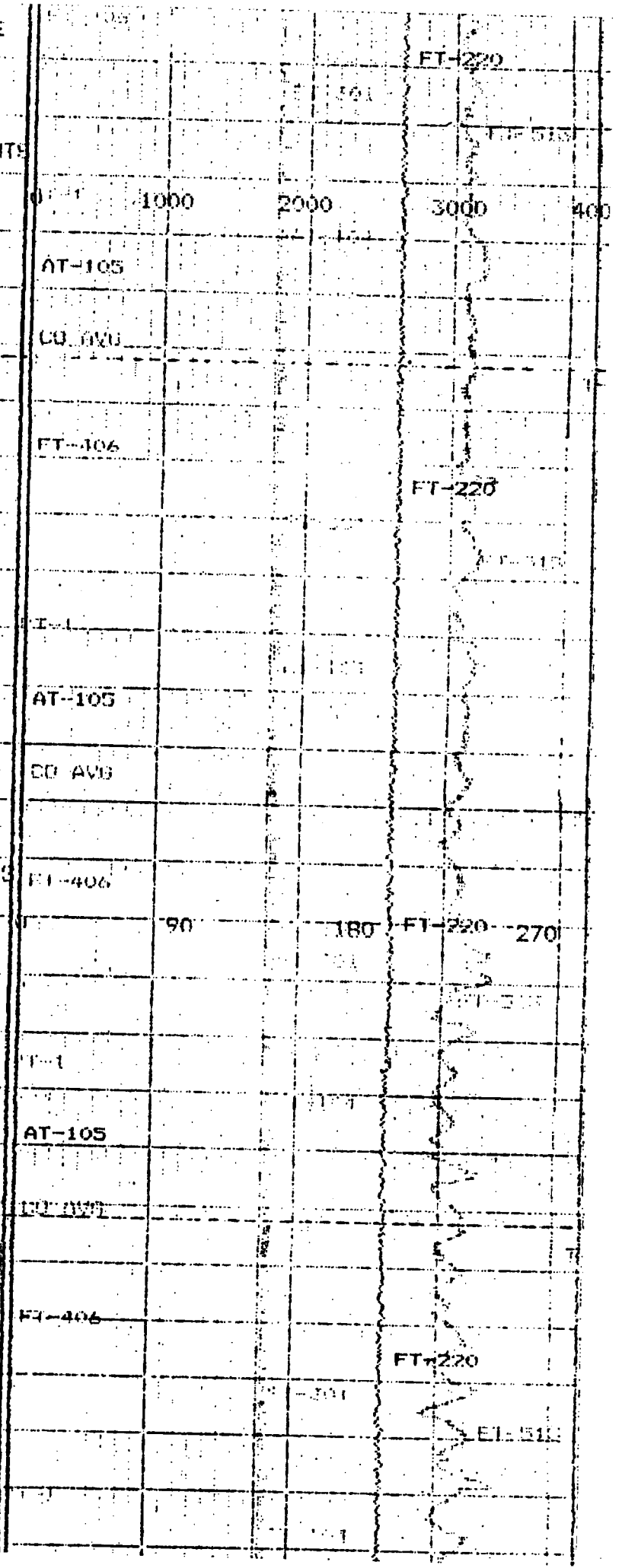
<K DENTON> <2nd Shift>

11)	OFF		Channel number 11
12)	125.68	°C	T-900 TEMP
13)	31.37	Hz.	Fan Drive Freq
D01)	4.6	PPM	CO ROLLING AVERAGE
D02)	2042.1	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	11710	CFM	NG TOTAL FLOW X 10

15:00:00 12/12/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	4.4	PPM	BOILER 1 CO READING
02)	7.52	%	BOILER 1 O2 READING
03)	-0.5	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	762	#/HR	BOILER STM FLOW X 10
06)	132.2	CFM	NG FLOW FT-301
07)	2610.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2041.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.67	°C	T-900 TEMP
13)	31.37	Hz.	Fan Drive Freq
D01)	4.6	PPM	CO ROLLING AVERAGE
D02)	2041.6	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total



102) 1...d2 CFM NG TOTAL FLOW X 10

19:00:00 12/12/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

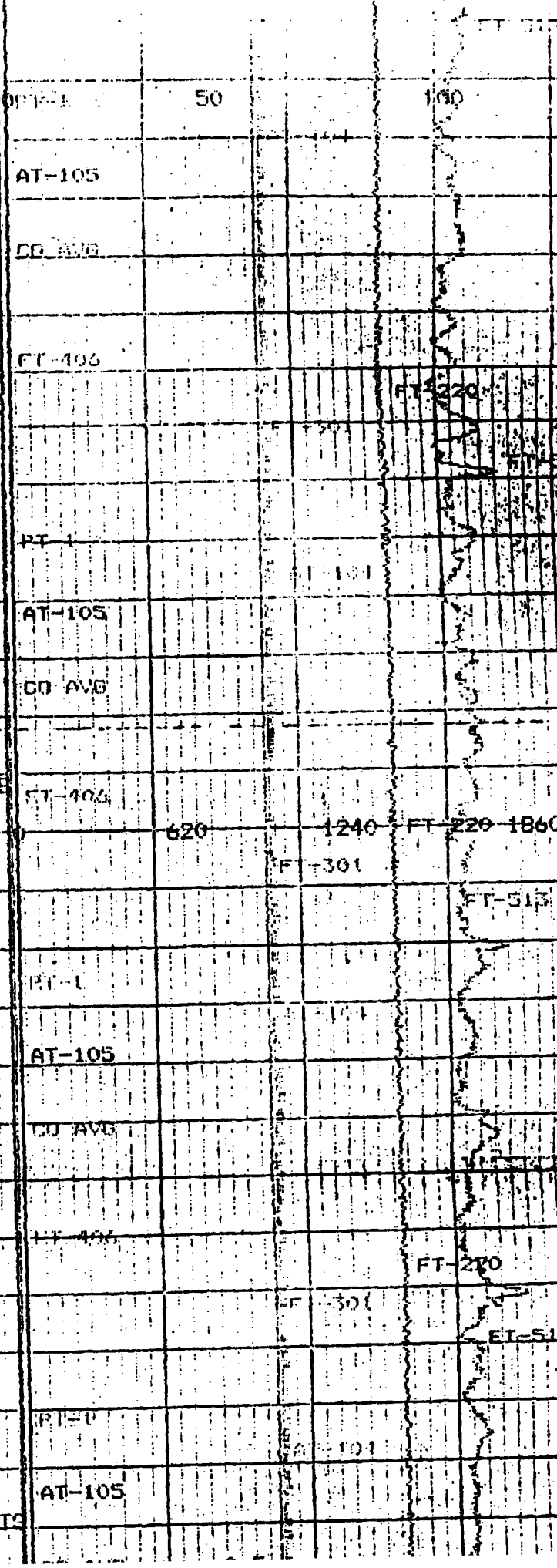
01) 4.6 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) 0.7 PSIG BOILER 1 RECY PRESS
04) 86.3 % TAR TANK LEVEL
05) 802 #/HR BOILER STM FLOW X 10
06) 131.9 CFM NG FLOW FT-301
07) 2603.6 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2044.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.88 °C T-900 TEMP
13) 31.61 Hz. Fan Drive Freq
001) 4.6 PPM CO ROLLING AVERAGE
002) 2044.0 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 14091 CFM NG TOTAL FLOW X 10

18:00:00 12/12/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01) 4.6 PPM BOILER 1 CO READING
02) 7.58 % BOILER 1 O2 READING
03) 0.2 PSIG BOILER 1 RECY PRESS
04) 86.5 % TAR TANK LEVEL
05) 774 #/HR BOILER STM FLOW X 10
06) 131.9 CFM NG FLOW FT-301
07) 2650.3 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2045.2 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.90 °C T-900 TEMP
13) 31.37 Hz. Fan Drive Freq
001) 4.6 PPM CO ROLLING AVERAGE
002) 2043.7 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 13299 CFM NG TOTAL FLOW X 10

17:00:00 12/12/92 JOB LOG BOILER 1 POINTS



22:00:00 12/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	4.4 PPM	BOILER 1 CO READING
02)	7.48 %	BOILER 1 O2 READING
03)	0.0 PSIG	BOILER 1 RECY PRESS
04)	86.3 %	TAR TANK LEVEL
05)	777 #/HR	BOILER STM FLOW X 10
06)	130.0 CFM	NG FLOW FT-301
07)	2541.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2040.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.68 °C	T-900 TEMP
13)	30.43 Hz.	Fan Drive Freq
001)	4.5 PPM	CO ROLLING AVERAGE
002)	2041.6 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	16448 CFM	NG TOTAL FLOW X 10

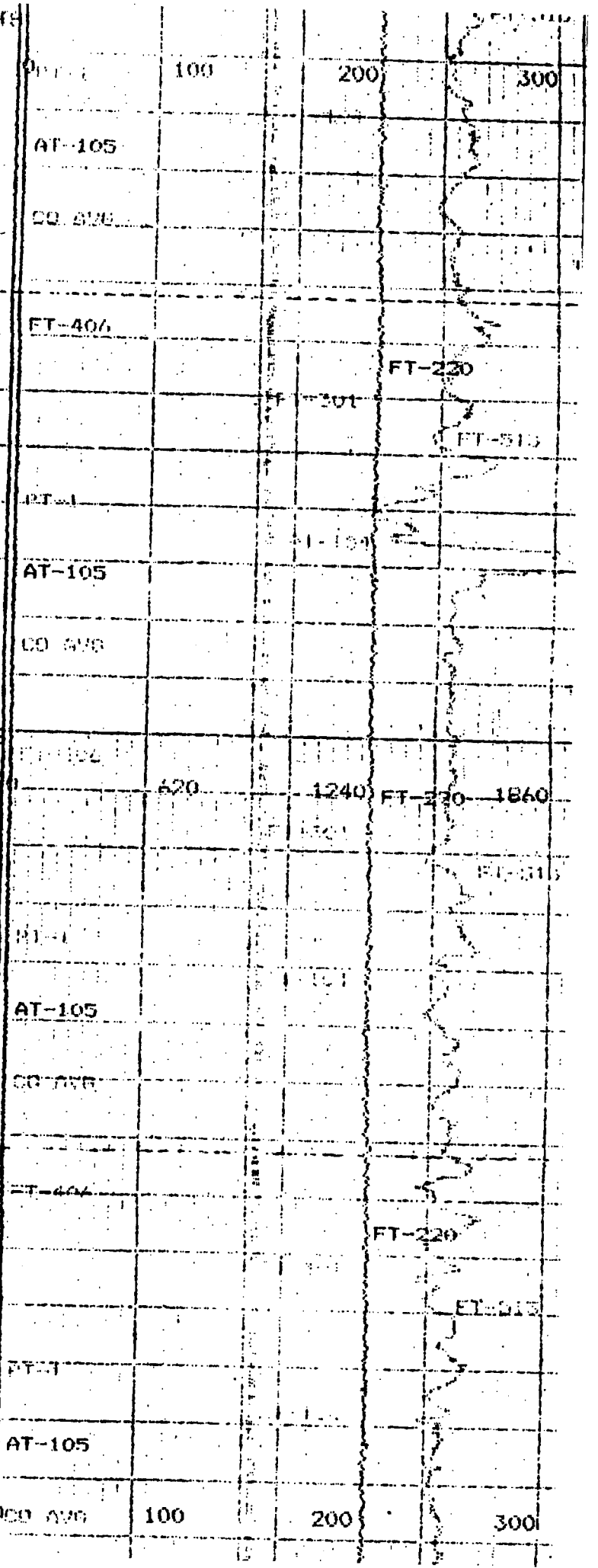
21:00:00 12/12/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	4.1 PPM	BOILER 1 CO READING
02)	7.54 %	BOILER 1 O2 READING
03)	-0.1 PSIG	BOILER 1 RECY PRESS
04)	86.4 %	TAR TANK LEVEL
05)	757 #/HR	BOILER STM FLOW X 10
06)	130.5 CFM	NG FLOW FT-301
07)	2571.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2042.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.74 °C	T-900 TEMP
13)	30.90 Hz.	Fan Drive Freq
001)	4.6 PPM	CO ROLLING AVERAGE
002)	2042.5 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	15666 CFM	NG TOTAL FLOW X 10

20:00:00 12/12/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE



LT-900 ...R TANK LEVEL

01)	4.1 PPM	BOILER 1 CO READING
02)	7.46 %	BOILER 1 O2 READING
03)	0.0 PSIG	BOILER 1 RECY PRESS
04)	86.4 %	TAR TANK LEVEL
05)	793 #/HR	BOILER STM FLOW X 10
06)	129.3 CFM	NG FLOW FT-301
07)	2523.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2038.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.88 °C	T-900 TEMP
13)	30.43 Hz.	Fan Drive Freq
D01)	4.2 PPM	CO ROLLING AVERAGE
D02)	2038.4 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	18782 CFM	NG TOTAL FLOW X 10

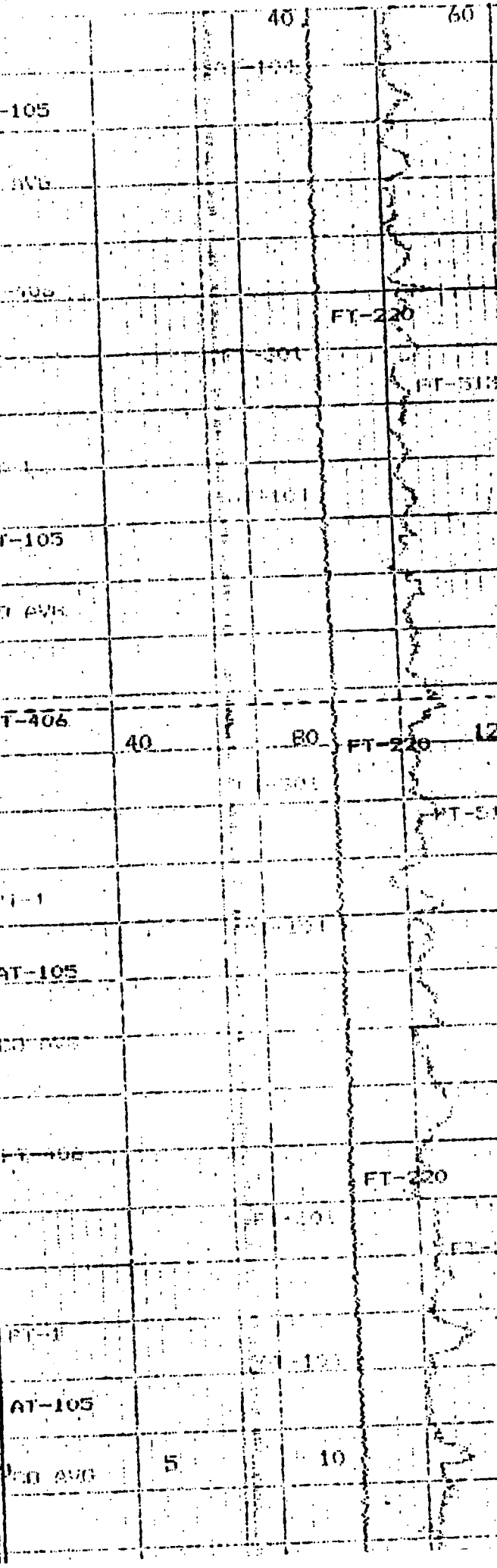
00:00:00 12/13/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	4.0 PPM	BOILER 1 CO READING
02)	7.50 %	BOILER 1 O2 READING
03)	0.1 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	753 #/HR	BOILER STM FLOW X 10
06)	129.6 CFM	NG FLOW FT-301
07)	2538.8 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2038.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.73 °C	T-900 TEMP
13)	30.43 Hz.	Fan Drive Freq
D01)	4.2 PPM	CO ROLLING AVERAGE
D02)	2038.8 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	18005 CFM	NG TOTAL FLOW X 10

23:00:00 12/12/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING



101)	0 Gal	Tar Flow Total
102)	3097 CFM	NG TOTAL FLOW X 10

04:00:00 12/13/92 JOB LOG BOILER 1 POINTS

10.2m

FT-220 BOILER 1 AIR FLOW

01)	4.0 PPM	BOILER 1 CO READING
02)	7.53 %	BOILER 1 O2 READING
03)	-0.1 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	744 #/HR	BOILER STM FLOW X 10
06)	129.0 CFM	NG FLOW FT-301
07)	2508.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2037.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.58 °C	T-900 TEMP
13)	30.19 Hz.	Fan Drive Freq
001)	4.1 PPM	CO ROLLING AVERAGE
002)	2037.3 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	2323 CFM	NG TOTAL FLOW X 10

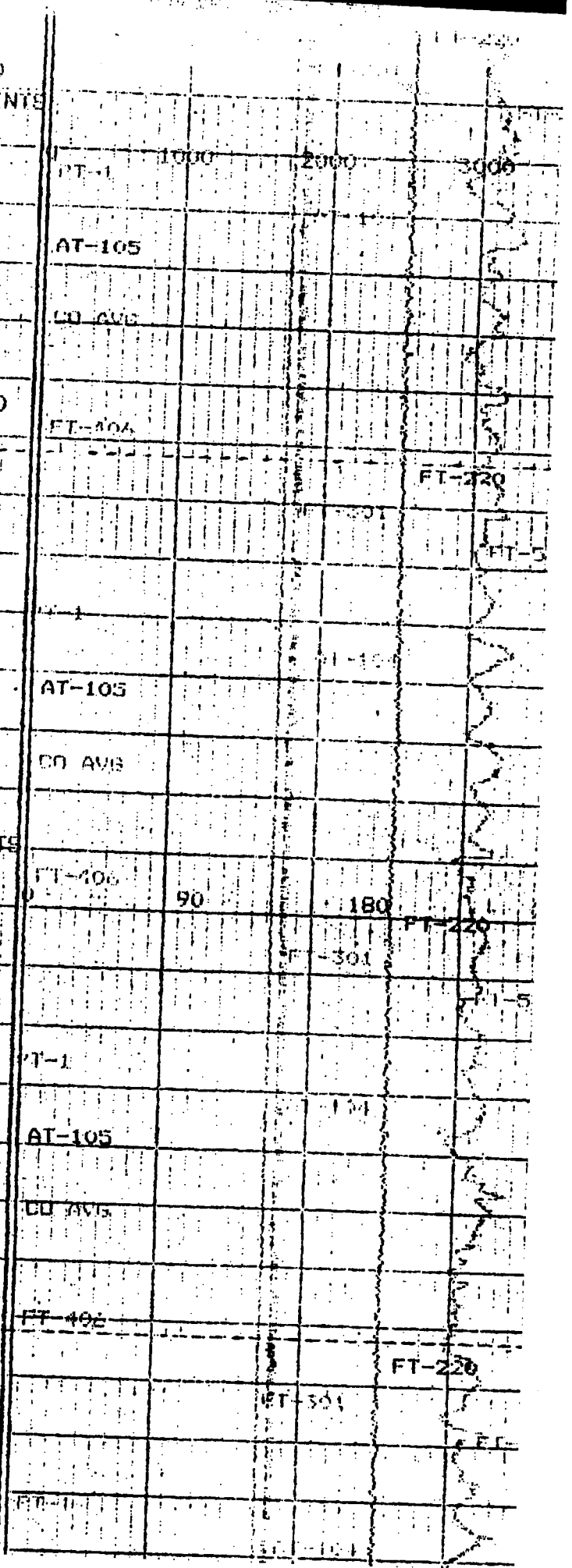
03:00:00 12/13/92 JOB LOG BOILER 1 POINTS

10.3m

FT-301 NG FLOW FT-301

01)	4.4 PPM	BOILER 1 CO READING
02)	7.48 %	BOILER 1 O2 READING
03)	-0.2 PSIG	BOILER 1 RECY PRESS
04)	86.3 %	TAR TANK LEVEL
05)	748 #/HR	BOILER STM FLOW X 10
06)	128.9 CFM	NG FLOW FT-301
07)	2507.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2037.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.78 °C	T-900 TEMP
13)	30.20 Hz.	Fan Drive Freq
001)	4.2 PPM	CO ROLLING AVERAGE
002)	2036.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total

10.4m



9.8

(02) 17 CFM NG TOTAL FLOW X 10

07:00:00 12/13/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	3.8 PPM	BOILER 1 CO READING
02)	7.57 %	BOILER 1 O2 READING
03)	0.1 PSIG	BOILER 1 RECY PRESS
04)	86.3 %	TAR TANK LEVEL
05)	776 #/HR	BOILER STM FLOW X 10
06)	128.6 CFM	NG FLOW FT-301
07)	2517.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2036.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.61 °C	T-900 TEMP
13)	30.19 Hz.	Fan Drive Freq
D01)	4.2 PPM	CO ROLLING AVERAGE
D02)	2036.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	4643 CFM	NG TOTAL FLOW X 10

06:00:00 12/13/92 JOB LOG BOILER 1 POINTS

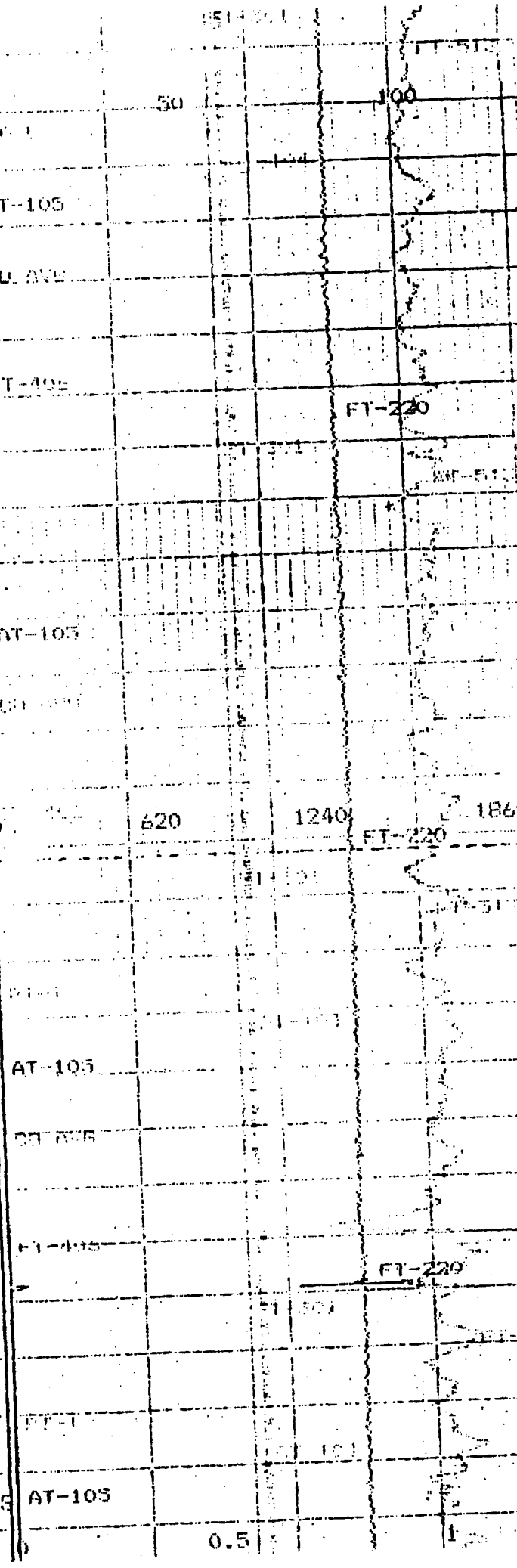
9.9m

T-106 BOILER 1 CHAMB TEMP

01)	4.0 PPM	BOILER 1 CO READING
02)	7.54 %	BOILER 1 O2 READING
03)	0.1 PSIG	BOILER 1 RECY PRESS
04)	86.3 %	TAR TANK LEVEL
05)	748 #/HR	BOILER STM FLOW X 10
06)	128.8 CFM	NG FLOW FT-301
07)	2493.4 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2034.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.62 °C	T-900 TEMP
13)	29.96 Hz.	Fan Drive Freq
D01)	4.1 PPM	CO ROLLING AVERAGE
D02)	2036.4 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	3870 CFM	NG TOTAL FLOW X 10

05:00:00 12/13/92 JOB LOG BOILER 1 POINTS

10.0m



729 CFM NG TOTAL FLOW X 10

10:00:00 12/13/92 JOB LOG --BOILER 1 POINTS

AT-105 BOILER 1 CO READING

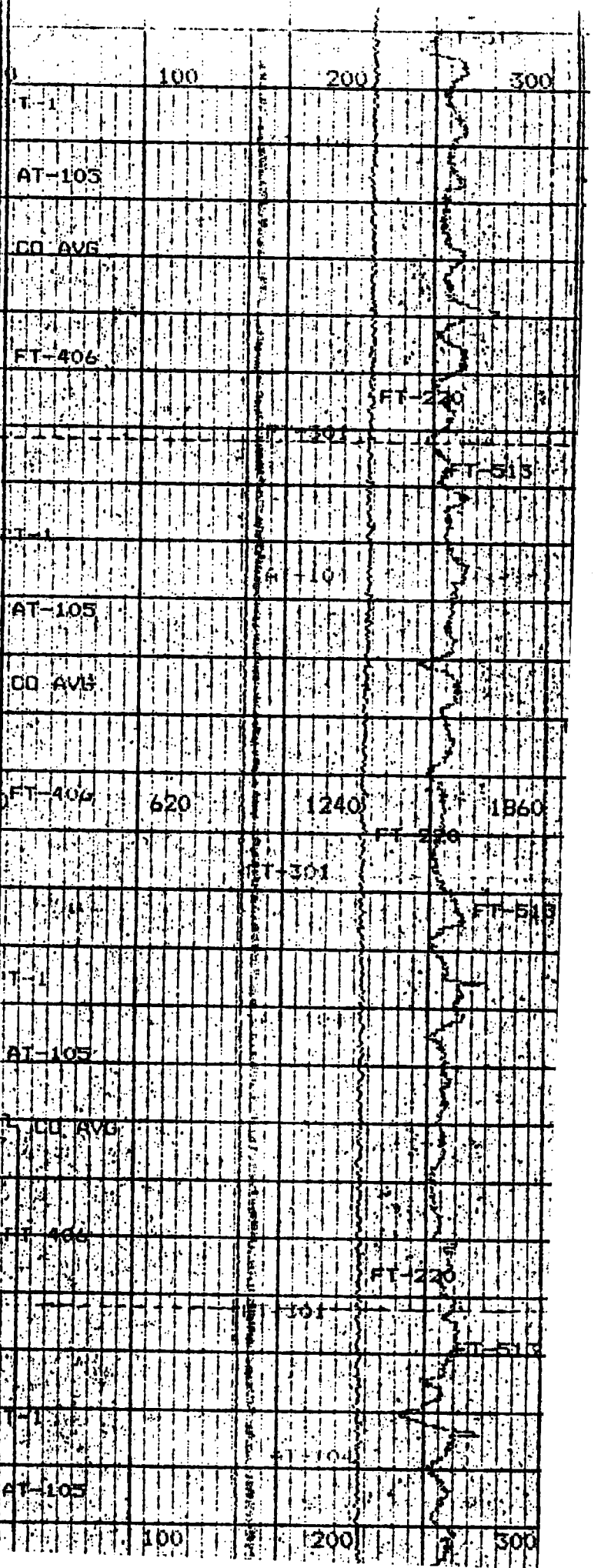
01)	4.6	PPM	BOILER 1 CO READING
02)	7.51	%	BOILER 1 O2 READING
03)	-0.3	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	751	#/HR	BOILER STM FLOW X 10
06)	129.0	CFM	NG FLOW FT-301
07)	2514.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2038.0	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.49	°C	T-900 TEMP
13)	30.43	Hz.	Fan Drive Freq
001)	4.2	PPM	CO ROLLING AVERAGE
002)	2038.4	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
101)	0	Gal	Tar Flow Total
102)	6963	CFM	NG TOTAL FLOW X 10

09:00:00 12/13/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	4.0	PPM	BOILER 1 CO READING
02)	7.57	%	BOILER 1 O2 READING
03)	-0.1	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	775	#/HR	BOILER STM FLOW X 10
06)	129.0	CFM	NG FLOW FT-301
07)	2532.0	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2041.9	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.56	°C	T-900 TEMP
13)	30.43	Hz.	Fan Drive Freq
001)	16.8	PPM	CO ROLLING AVERAGE
002)	2044.8	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
101)	0	Gal	Tar Flow Total
102)	6190	CFM	NG TOTAL FLOW X 10

08:00:00 12/13/92 JOB LOG BOILER 1 POINTS



13:00:00 13/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01)	4.6	PPM	BOILER 1 CO READING
02)	7.51	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	792	#/HR	BOILER STM FLOW X 10
06)	131.2	CFM	NG FLOW FT-301
07)	2594.1	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2041.7	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.43	°C	T-900 TEMP
13)	30.90	Hz.	Fan Drive Freq
D01)	4.5	PPM	CO ROLLING AVERAGE
D02)	2041.8	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	9307	CFM	NG TOTAL FLOW X 10

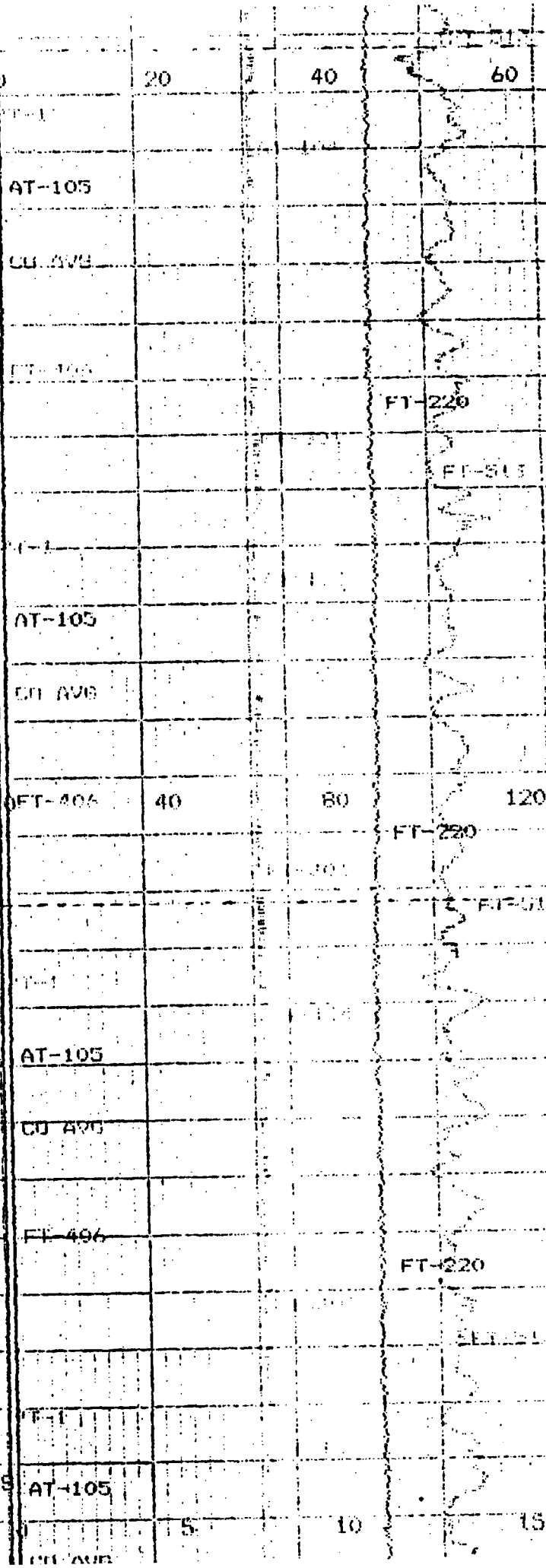
12:00:00 12/13/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	4.5	PPM	BOILER 1 CO READING
02)	7.48	%	BOILER 1 O2 READING
03)	-0.6	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	813	#/HR	BOILER STM FLOW X 10
06)	131.0	CFM	NG FLOW FT-301
07)	2594.8	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2041.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.34	°C	T-900 TEMP
13)	30.90	Hz.	Fan Drive Freq
D01)	4.5	PPM	CO ROLLING AVERAGE
D02)	2040.4	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	8520	CFM	NG TOTAL FLOW X 10

11:00:00 12/13/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING



FT-220 BOILER 1 AIR FLOW

01)	4.6 PPM	BOILER 1 CO READING	
02)	7.51 %	BOILER 1 O2 READING	
03)	0.2 PSIG	BOILER 1 RECY PRESS	
04)	86.3 %	TAR TANK LEVEL	
05)	755 #/HR	BOILER STM FLOW X 10	
06)	131.9 CFM	NG FLOW FT-301	
07)	2603.4 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2044.0 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	OFF	Channel number 11	
12)	125.69 °C	T-900 TEMP	
13)	31.13 Hz.	Fan Drive Freq	
001)	4.6 PPM	CO ROLLING AVERAGE	
002)	2044.4 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	11475 CFM	NG TOTAL FLOW X 10	

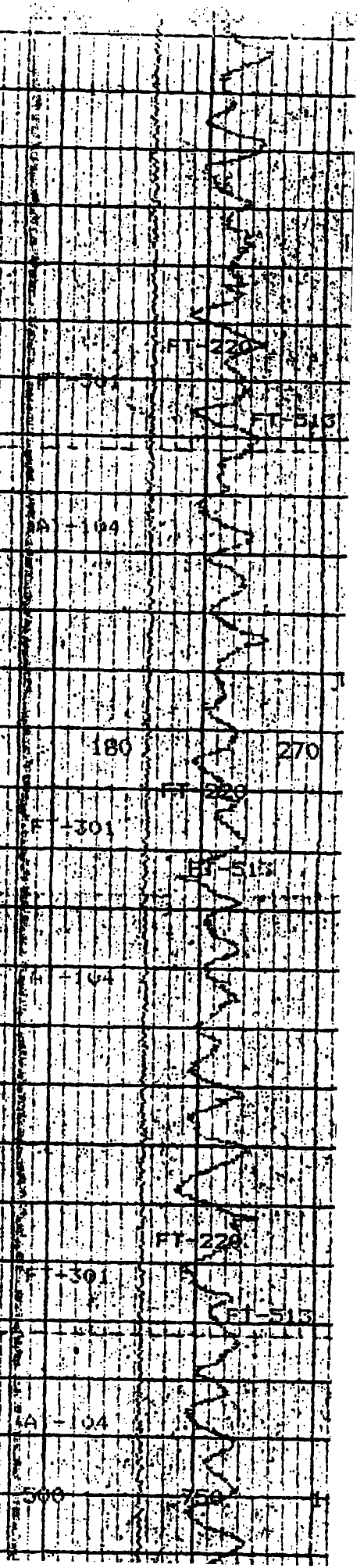
15:00:00 12/13/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	4.6 PPM	BOILER 1 CO READING	
02)	7.49 %	BOILER 1 O2 READING	
03)	-0.2 PSIG	BOILER 1 RECY PRESS	
04)	86.0 %	TAR TANK LEVEL	
05)	768 #/HR	BOILER STM FLOW X 10	
06)	131.6 CFM	NG FLOW FT-301	
07)	2635.2 CFM	BOILER 1 AIR FLOW	
08)	-0.00 GPM	TAR FLOW	
09)	2045.2 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	OFF	Channel number 11	
12)	125.70 °C	T-900 TEMP	
13)	31.13 Hz.	Fan Drive Freq	
001)	4.6 PPM	CO ROLLING AVERAGE	
002)	2045.8 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	10885 CFM	NG TOTAL FLOW X 10	

14:00:00 12/13/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10



02) 8.1 CFM NG TOTAL FLOW X 10

19:00:00 12/13/92 JOB LOG BOILER 1 POINTS

T-900 — T-900 TEMP

8.3m

01) 4.6 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) 0.0 PSIG BOILER 1 RECY PRESS
04) 86.4 % TAR TANK LEVEL
05) 784 #/HR BOILER STM FLOW X 10
06) 131.4 CFM NG FLOW FT-301
07) 2586.2 CFM BOILER 1 AIR FLOW
08) -0.00 GPM TAR FLOW
09) 2045.2 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.58 °C T-900 TEMP
13) 30.90 Hz. Fan Drive Freq
D01) 4.6 PPM CO ROLLING AVERAGE
D02) 2044.9 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 14044 CFM NG TOTAL FLOW X 10

8.4m

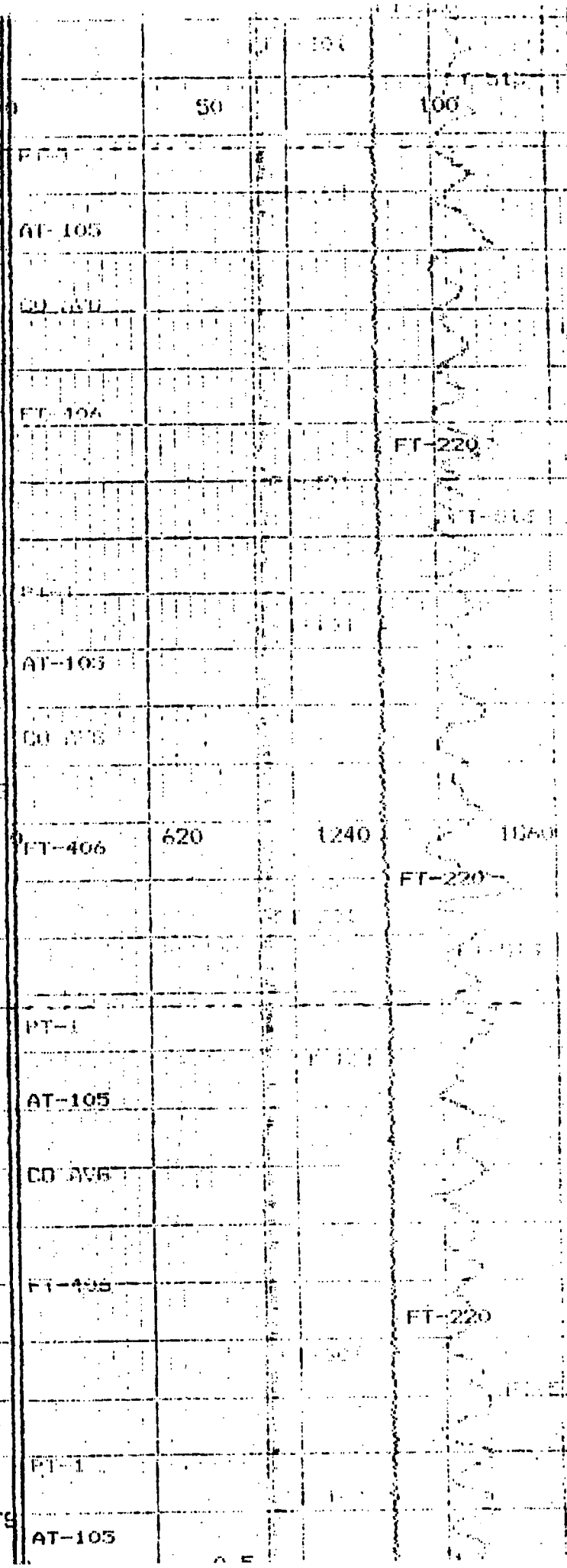
18:00:00 12/13/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01) 4.6 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) -0.0 PSIG BOILER 1 RECY PRESS
04) 86.3 % TAR TANK LEVEL
05) 758 #/HR BOILER STM FLOW X 10
06) 131.7 CFM NG FLOW FT-301
07) 2617.6 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2045.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.63 °C T-900 TEMP
13) 31.14 Hz. Fan Drive Freq
D01) 4.6 PPM CO ROLLING AVERAGE
D02) 2044.4 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 13255 CFM NG TOTAL FLOW X 10

8.5m

17:00:00 12/13/92 JOB LOG BOILER 1 POINTS



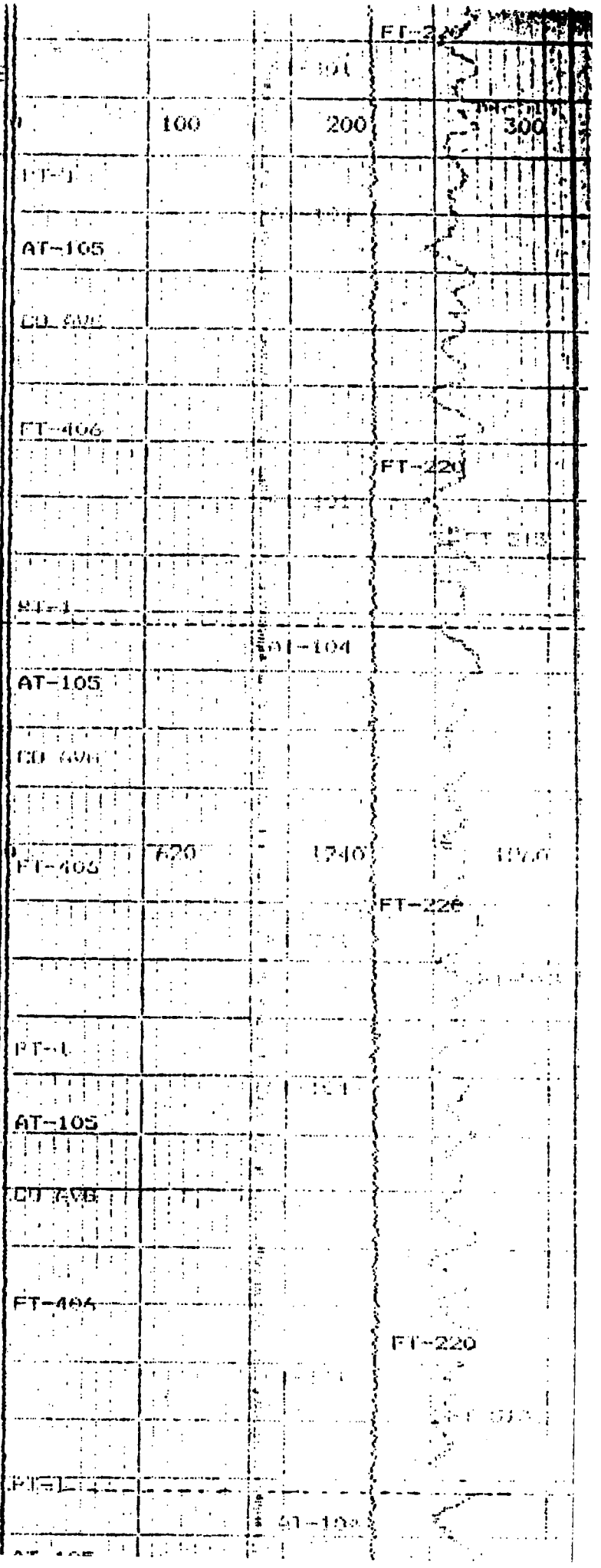
T01) 0 Gal Tar Flow Total
T02) 17186 CFM NG TOTAL FLOW X 10
22:00:00 12/13/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01) 4.5 PPM BOILER 1 CO READING
02) 7.84 % BOILER 1 O2 READING
03) -0.1 PSIG BOILER 1 RECY PRESS
04) 86.3 % TAR TANK LEVEL
05) 796 #/HR BOILER STM FLOW X 10
06) 129.9 CFM NG FLOW FT-301
07) 2555.5 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2044.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.41 °C T-900 TEMP
13) 30.43 Hz. Fan Drive Freq
D01) 4.5 PPM CO ROLLING AVERAGE
D02) 2044.6 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 16405 CFM NG TOTAL FLOW X 10
21:00:00 12/13/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01) 4.4 PPM BOILER 1 CO READING
02) 7.53 % BOILER 1 O2 READING
03) 0.2 PSIG BOILER 1 RECY PRESS
04) 86.4 % TAR TANK LEVEL
05) 816 #/HR BOILER STM FLOW X 10
06) 131.0 CFM NG FLOW FT-301
07) 2601.3 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2044.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.50 °C T-900 TEMP
13) 30.67 Hz. Fan Drive Freq
D01) 4.5 PPM CO ROLLING AVERAGE
D02) 2044.0 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 15619 CFM NG TOTAL FLOW X 10
20:00:00 12/13/92 JOB LOG BOILER 1 POINTS



T01)	0 Gal	Tar Flow Total
T02)	776 CFM	NG TOTAL FLOW X 10

01:00:00 12/14/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

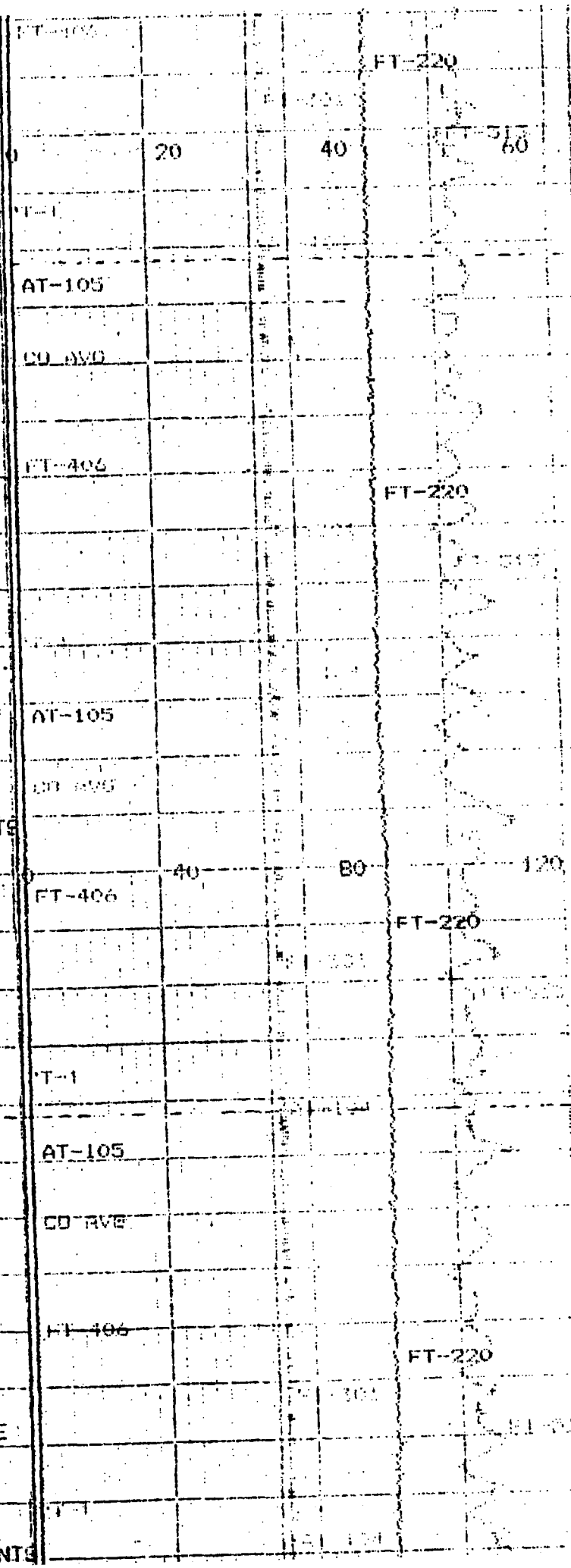
01)	4.1 PPM	BOILER 1 CO READING
02)	7.54 %	BOILER 1 O2 READING
03)	-1.1 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	834 #/HR	BOILER STM FLOW X 10
06)	129.6 CFM	NG FLOW FT-301
07)	2555.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2043.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.49 °C	T-900 TEMP
13)	30.43 Hz.	Fan Drive Freq
D01)	4.5 PPM	CO ROLLING AVERAGE
D02)	2041.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	18743 CFM	NG TOTAL FLOW X 10

00:00:00 12/14/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	4.4 PPM	BOILER 1 CO READING
02)	7.45 %	BOILER 1 O2 READING
03)	-0.7 PSIG	BOILER 1 RECY PRESS
04)	86.1 %	TAR TANK LEVEL
05)	814 #/HR	BOILER STM FLOW X 10
06)	129.7 CFM	NG FLOW FT-301
07)	2516.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2039.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.40 °C	T-900 TEMP
13)	29.96 Hz.	Fan Drive Freq
D01)	4.5 PPM	CO ROLLING AVERAGE
D02)	2041.9 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	17965 CFM	NG TOTAL FLOW X 10

23:00:00 12/13/92 JOB LOG BOILER 1 POINTS



D03)	.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	3107 CFM	NG TOTAL FLOW X 10

04:00:00 12/14/92 JOB LOG BOILER 1 POINTS

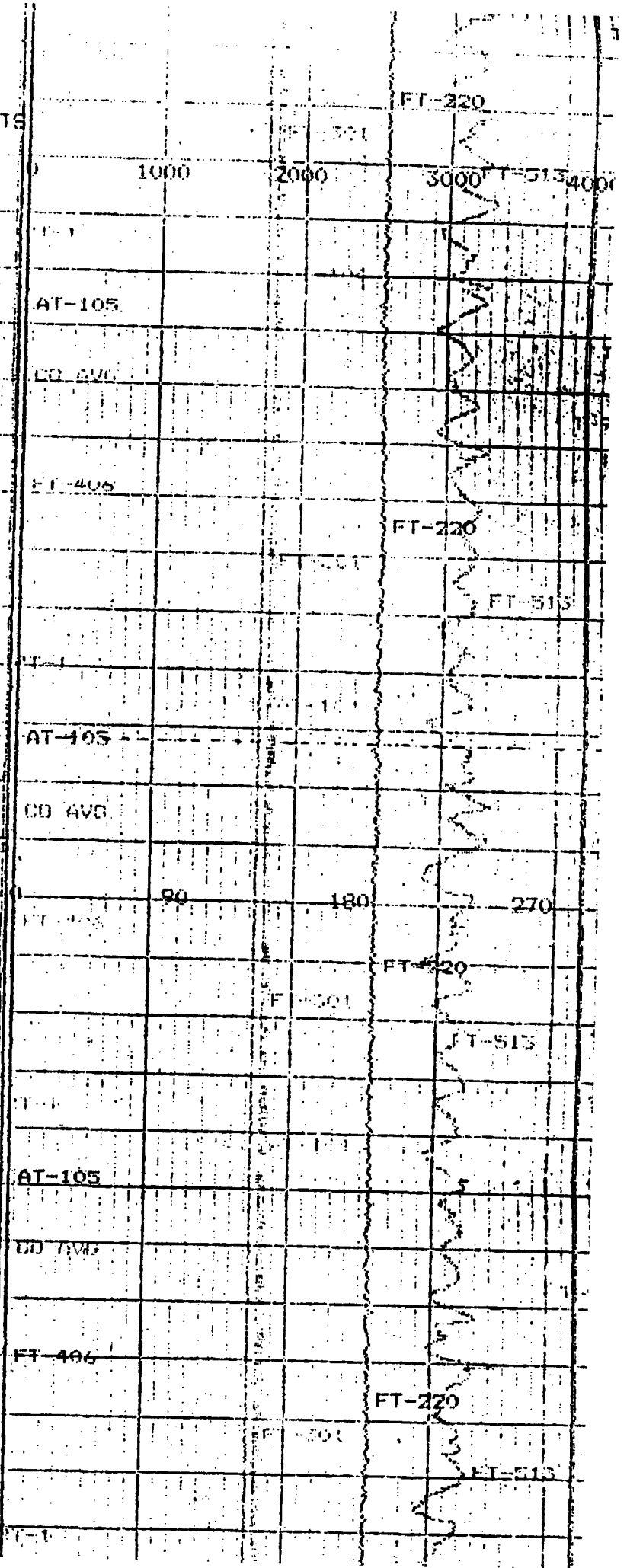
FT-220 BOILER 1 AIR FLOW

01)	4.6 PPM	BOILER 1 CO READING
02)	7.46 %	BOILER 1 O2 READING
03)	-0.8 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	734 #/HR	BOILER STM FLOW X 10
06)	129.5 CFM	NG FLOW FT-301
07)	2539.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2042.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.60 °C	T-900 TEMP
13)	30.20 Hz.	Fan Drive Freq
D01)	4.5 PPM	CO ROLLING AVERAGE
D02)	2042.4 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	2329 CFM	NG TOTAL FLOW X 10

03:00:00 12/14/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	4.6 PPM	BOILER 1 CO READING
02)	7.51 %	BOILER 1 O2 READING
03)	-0.6 PSIG	BOILER 1 RECY PRESS
04)	86.2 %	TAR TANK LEVEL
05)	754 #/HR	BOILER STM FLOW X 10
06)	129.6 CFM	NG FLOW FT-301
07)	2553.6 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2041.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.66 °C	T-900 TEMP
13)	30.20 Hz.	Fan Drive Freq
D01)	4.5 PPM	CO ROLLING AVERAGE
D02)	2041.8 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	1552 CFM	NG TOTAL FLOW X 10



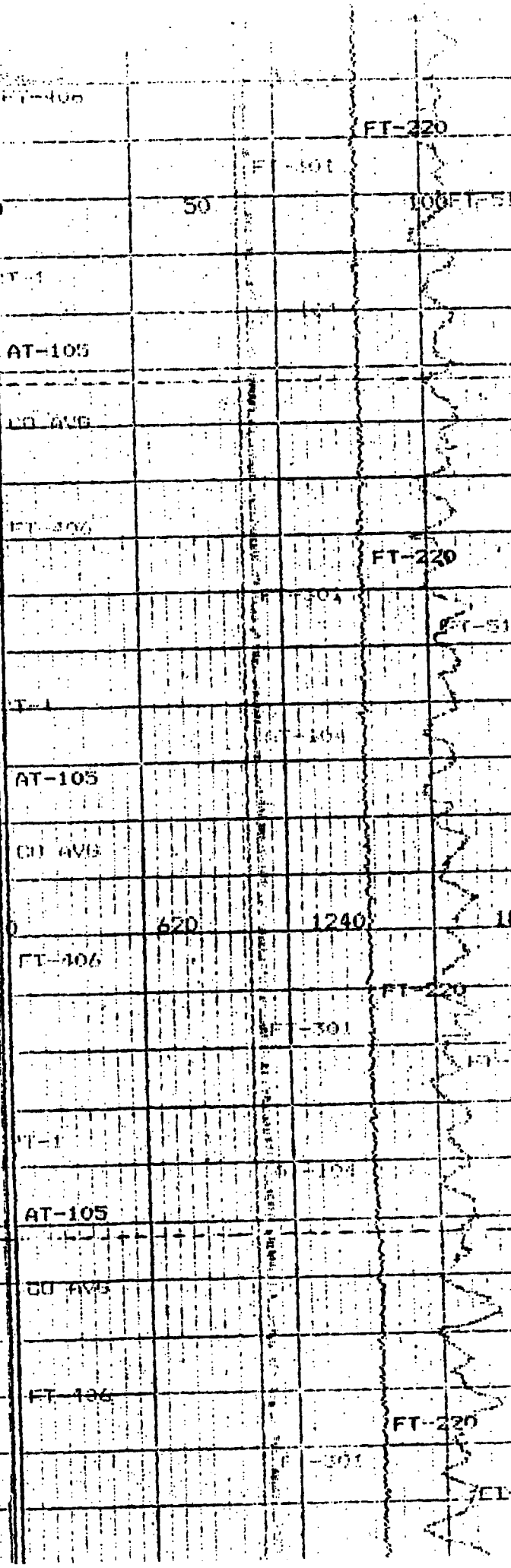
D02) 2042.0 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 5441 CFM NG TOTAL FLOW X 10
07:00:00 12/14/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01) 4.4 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) -0.7 PSIG BOILER 1 RECY PRESS
04) 86.3 % TAR TANK LEVEL
05) 776 #/HR BOILER STM FLOW X 10
06) 129.8 CFM NG FLOW FT-301
07) 2531.1 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2042.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.46 °C T-900 TEMP
13) 30.20 Hz. Fan Drive Freq
D01) 4.4 PPM CO ROLLING AVERAGE
D02) 2042.2 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 4663 CFM NG TOTAL FLOW X 10
06:00:00 12/14/92 JOB LOG BOILER 1 POINTS

FT-106 BOILER 1 CHAMB TEMP

01) 4.0 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) -0.8 PSIG BOILER 1 RECY PRESS
04) 86.4 % TAR TANK LEVEL
05) 806 #/HR BOILER STM FLOW X 10
06) 129.7 CFM NG FLOW FT-301
07) 2548.5 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2042.4 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.49 °C T-900 TEMP
13) 30.43 Hz. Fan Drive Freq
D01) 4.5 PPM CO ROLLING AVERAGE
D02) 2042.4 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total



003)	0.0		Tar Flow Hr Avg
01)	0	Gal	Tar Flow Total
02)	7808	CFM	NG TOTAL FLOW X 10

10:00:00 12/14/92 JOB LOG BOILER 1 POINTS

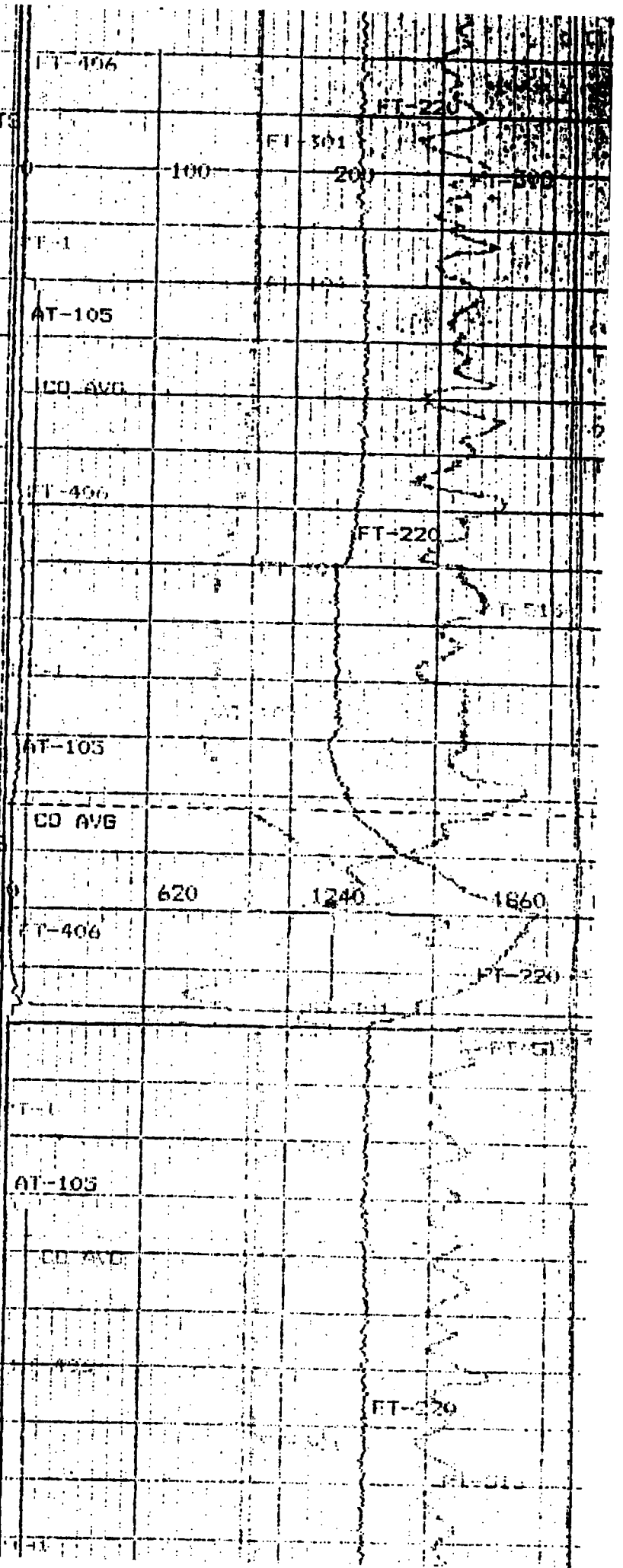
AT-105 BOILER 1 CO READING

01)	4.6	PPM	BOILER 1 CO READING
02)	9.49	%	BOILER 1 O2 READING
03)	-1.1	PSIG	BOILER 1 RECY PRESS
04)	86.2	%	TAR TANK LEVEL
05)	637	#/HR	BOILER STM FLOW X 10
06)	128.6	CFM	NG FLOW FT-301
07)	2882.1	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2066.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.48	°C	T-900 TEMP
13)	33.72	Hz.	Fan Drive Freq
001)	12.8	PPM	CO ROLLING AVERAGE
002)	2043.7	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
01)	0	Gal	Tar Flow Total
02)	7036	CFM	NG TOTAL FLOW X 10

09:00:00 12/14/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	4.6	PPM	BOILER 1 CO READING
02)	7.48	%	BOILER 1 O2 READING
03)	-0.6	PSIG	BOILER 1 RECY PRESS
04)	86.3	%	TAR TANK LEVEL
05)	774	#/HR	BOILER STM FLOW X 10
06)	129.4	CFM	NG FLOW FT-301
07)	2546.4	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2046.2	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.37	°C	T-900 TEMP
13)	30.20	Hz.	Fan Drive Freq
001)	16.9	PPM	CO ROLLING AVERAGE
002)	2050.2	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
01)	0	Gal	Tar Flow Total
02)	6218	CFM	NG TOTAL FLOW X 10



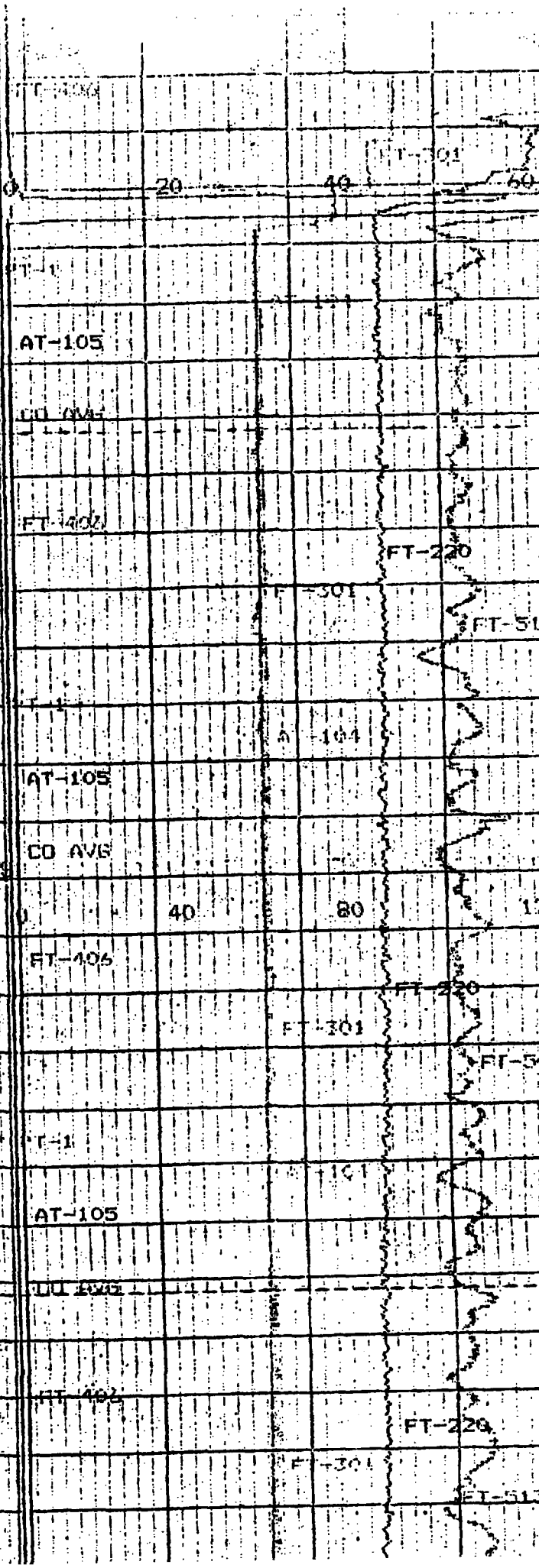
D02) 76.0 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 10173 CFM NG TOTAL FLOW X 10
3:00:00 12/14/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01) 4.4 PPM BOILER 1 CO READING
02) 7.19 % BOILER 1 O2 READING
03) -1.2 PSIG BOILER 1 RECY PRESS
04) 86.3 % TAR TANK LEVEL
05) 767 #/HR BOILER STM FLOW X 10
06) 130.7 CFM NG FLOW FT-301
07) 2577.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2034.0 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.64 °C T-900 TEMP
13) 30.19 Hz. Fan Drive Freq
D01) 4.2 PPM CO ROLLING AVERAGE
D02) 2032.0 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 9353 CFM NG TOTAL FLOW X 10
12:00:00 12/14/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01) 4.0 PPM BOILER 1 CO READING
02) 7.36 % BOILER 1 O2 READING
03) -1.2 PSIG BOILER 1 RECY PRESS
04) 86.2 % TAR TANK LEVEL
05) 737 #/HR BOILER STM FLOW X 10
06) 127.8 CFM NG FLOW FT-301
07) 2460.6 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2030.4 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.58 °C T-900 TEMP
13) 29.72 Hz. Fan Drive Freq
D01) 4.2 PPM CO ROLLING AVERAGE
D02) 2025.4 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 9575 CFM NG TOTAL FLOW X 10



16:00:00 /14/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	5.2 PPM	BOILER 1 CO READING
02)	8.27 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	87.1 %	TAR TANK LEVEL
05)	1100 #/HR	BOILER STM FLOW X 10
06)	191.2 CFM	NG FLOW FT-301
07)	4023.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2107.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.34 °C	T-900 TEMP
13)	47.81 Hz.	Fan Drive Freq
001)	4.9 PPM	CO ROLLING AVERAGE
002)	2108.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	12342 CFM	NG TOTAL FLOW X 10

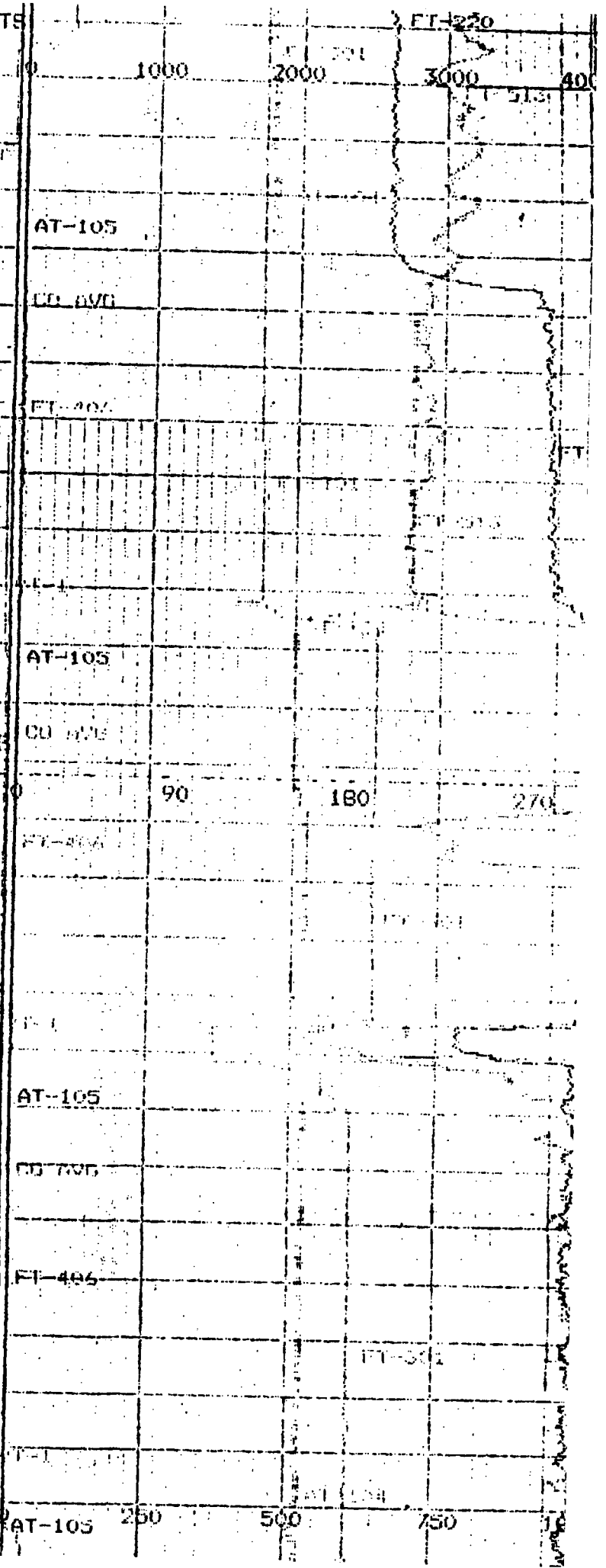
15:00:00 12/14/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	4.6 PPM	BOILER 1 CO READING
02)	8.66 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	87.1 %	TAR TANK LEVEL
05)	963 #/HR	BOILER STM FLOW X 10
06)	180.6 CFM	NG FLOW FT-301
07)	3936.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2104.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.48 °C	T-900 TEMP
13)	46.39 Hz.	Fan Drive Freq
001)	4.8 PPM	CO ROLLING AVERAGE
002)	2086.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	11265 CFM	NG TOTAL FLOW X 10

14:00:00 12/14/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10



T01) 9 Gal Tar Flow Total
T02) 13775 CFM NG TOTAL FLOW X 10
19:00:00 12/14/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01) 7.2 PPM BOILER 1 CO READING
02) 7.31 % BOILER 1 O2 READING
03) 70.9 PSIG BOILER 1 RECY PRESS
04) 85.2 % TAR TANK LEVEL
05) 660 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) -2205.2 CFM BOILER 1 AIR FLOW
08) [redacted] TAR FLOW
09) 2062.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.57 °C T-900 TEMP
13) 25.51 Hz. Fan Drive Freq
D01) 7.4 PPM CO ROLLING AVERAGE
D02) 2064.5 DEG F TEMP ROLLING AVERAGE
D03) 1.0 Tar Flow Hr Avg
T01) 78 Gal Tar Flow Total
T02) 13775 CFM NG TOTAL FLOW X 10
18:00:00 12/14/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01) 7.6 PPM BOILER 1 CO READING
02) 8.54 % BOILER 1 O2 READING
03) 72.9 PSIG BOILER 1 RECY PRESS
04) 86.1 % TAR TANK LEVEL
05) 689 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2384.1 CFM BOILER 1 AIR FLOW
[redacted] TAR FLOW
09) 2072.0 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.62 °C T-900 TEMP
13) 27.38 Hz. Fan Drive Freq
D01) 5.5 PPM CO ROLLING AVERAGE
D02) 2062.3 DEG F TEMP ROLLING AVERAGE
D03) 0.2 Tar Flow Hr Avg
T01) 17 Gal Tar Flow Total
T02) 13775 CFM NG TOTAL FLOW X 10
17:00:00 12/14/92 JOB LOG BOILER 1 POINTS

T01)	8	Gal	Tar Flow Total
02)	1..75	CFM	NG TOTAL FLOW X 10

2:00:00 12/14/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

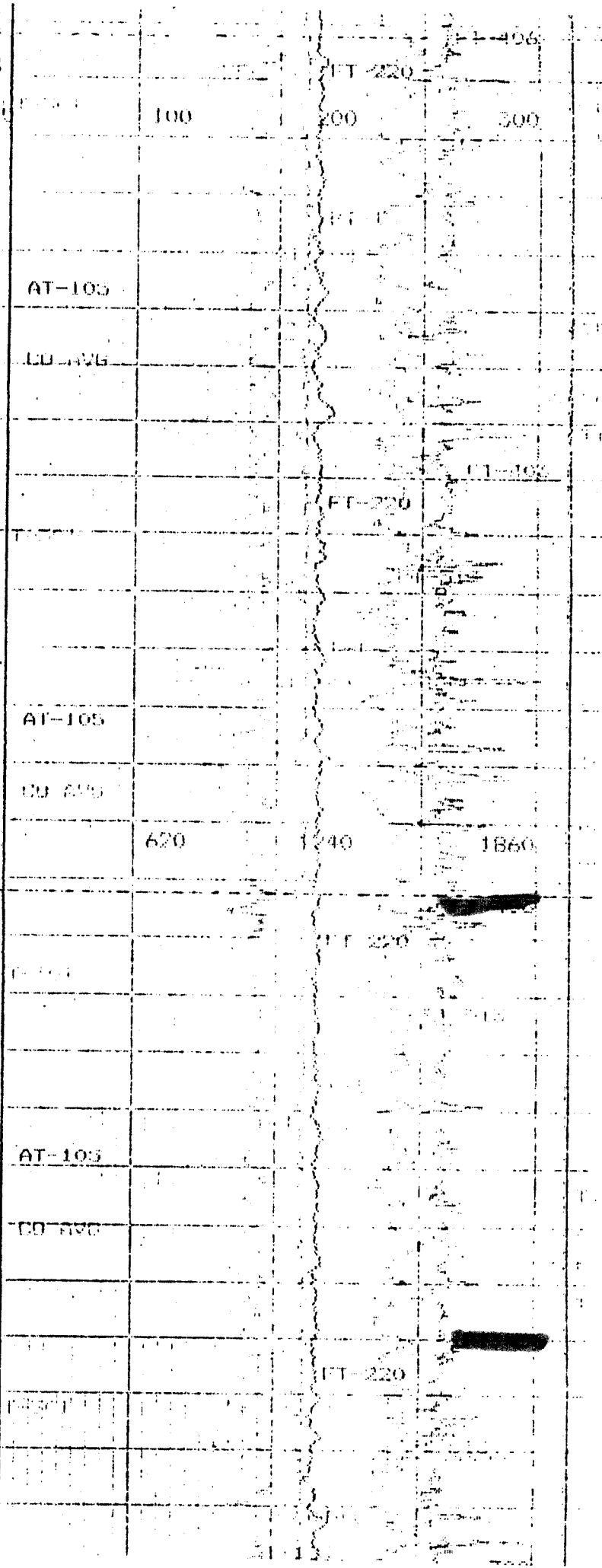
01)	7.6	PPM	BOILER 1 CO READING
02)	7.93	%	BOILER 1 O2 READING
03)	72.7	PSIG	BOILER 1 RECY PRESS
04)	82.8	%	TAR TANK LEVEL
05)	687	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2269.2	CFM	BOILER 1 AIR FLOW
[redacted]			
09)	2064.1	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.46	°C	T-900 TEMP
13)	26.45	Hz.	Fan Drive Freq
01)	7.5	PPM	CO ROLLING AVERAGE
02)	2064.1	DEG F	TEMP ROLLING AVERAGE
03)	1.0		Tar Flow Hr Avg
01)	265	Gal	Tar Flow Total
02)	13775	CFM	NG TOTAL FLOW X 10

1:00:00 12/14/92 JOB LOG BOILER 1 POINTS

EMP AV TEMP ROLLING AVERAGE

01)	7.5	PPM	BOILER 1 CO READING
02)	6.20	%	BOILER 1 O2 READING
03)	71.9	PSIG	BOILER 1 RECY PRESS
04)	83.5	%	TAR TANK LEVEL
05)	716	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2275.1	CFM	BOILER 1 AIR FLOW
[redacted]			TAR FLOW
09)	2065.2	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.33	°C	T-900 TEMP
13)	26.92	Hz.	Fan Drive Freq
01)	7.4	PPM	CO ROLLING AVERAGE
02)	2066.0	DEG F	TEMP ROLLING AVERAGE
03)	1.0		Tar Flow Hr Avg
01)	202	Gal	Tar Flow Total
02)	13775	CFM	NG TOTAL FLOW X 10

0:00:00 12/14/92 JOB LOG BOILER 1 POINTS



01:00:0 3/15/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

4.5m

01)	7.6 PPM	BOILER 1 CO READING
02)	7.60 %	BOILER 1 O2 READING
03)	72.2 PSIG	BOILER 1 RECY PRESS
04)	80.1 %	TAR TANK LEVEL
05)	720 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2243.1 CFM	BOILER 1 AIR FLOW
08)	[redacted] GPM	TAR FLOW
09)	2058.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.56 °C	T-900 TEMP
13)	26.45 Hz.	Fan Drive Freq
D01)	7.6 PPM	CO ROLLING AVERAGE
D02)	2059.9 DEG F	TEMP ROLLING AVERAGE
D03)	1.0	Tar Flow Hr Avg
T01)	455 Gal	Tar Flow Total
T02)	13775 CFM	NG TOTAL FLOW X 10

00:00:00 12/15/92 JOB LOG BOILER 1 POINTS

4.6m

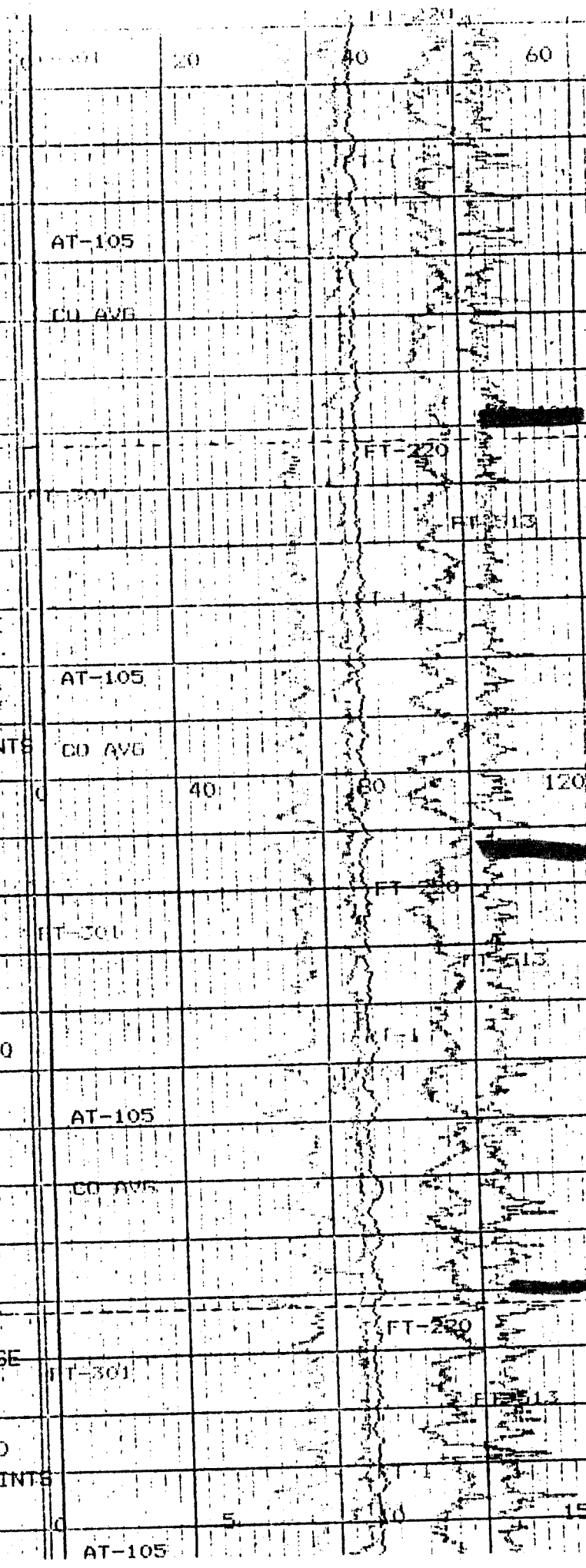
PT-1 BOILER 1 RECY PRESS

01)	7.6 PPM	BOILER 1 CO READING
02)	7.72 %	BOILER 1 O2 READING
03)	71.8 PSIG	BOILER 1 RECY PRESS
04)	80.9 %	TAR TANK LEVEL
05)	703 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2305.3 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	2061.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.63 °C	T-900 TEMP
13)	26.92 Hz.	Fan Drive Freq
D01)	7.6 PPM	CO ROLLING AVERAGE
D02)	2062.1 DEG F	TEMP ROLLING AVERAGE
D03)	1.0	Tar Flow Hr Avg
T01)	391 Gal	Tar Flow Total
T02)	13775 CFM	NG TOTAL FLOW X 10

23:00:00 12/14/92 JOB LOG BOILER 1 POINTS

4.7m

AT-104 BOILER 1 O2 READING



4.1m

FT-220 BOILER 1 AIR FLOW

01)	8.1	PPM	BOILER 1 CO READING
02)	8.30	%	BOILER 1 O2 READING
03)	72.0	PSIG	BOILER 1 RECY PRESS
04)	77.5	%	TAR TANK LEVEL
05)	690	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2257.3	CFM	BOILER 1 AIR FLOW
08)	[redacted]	GPM	TAR FLOW
09)	2054.9	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.37	°C	T-900 TEMP
13)	26.22	Hz.	Fan Drive Freq
D01)	11.8	PPM	CO ROLLING AVERAGE
D02)	2053.8	DEG F	TEMP ROLLING AVERAGE
D03)	1.0		Tar Flow Hr Avg
T01)	189	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

03:00:00 12/15/92 JOB LOG BOILER 1 POINTS

4.2m

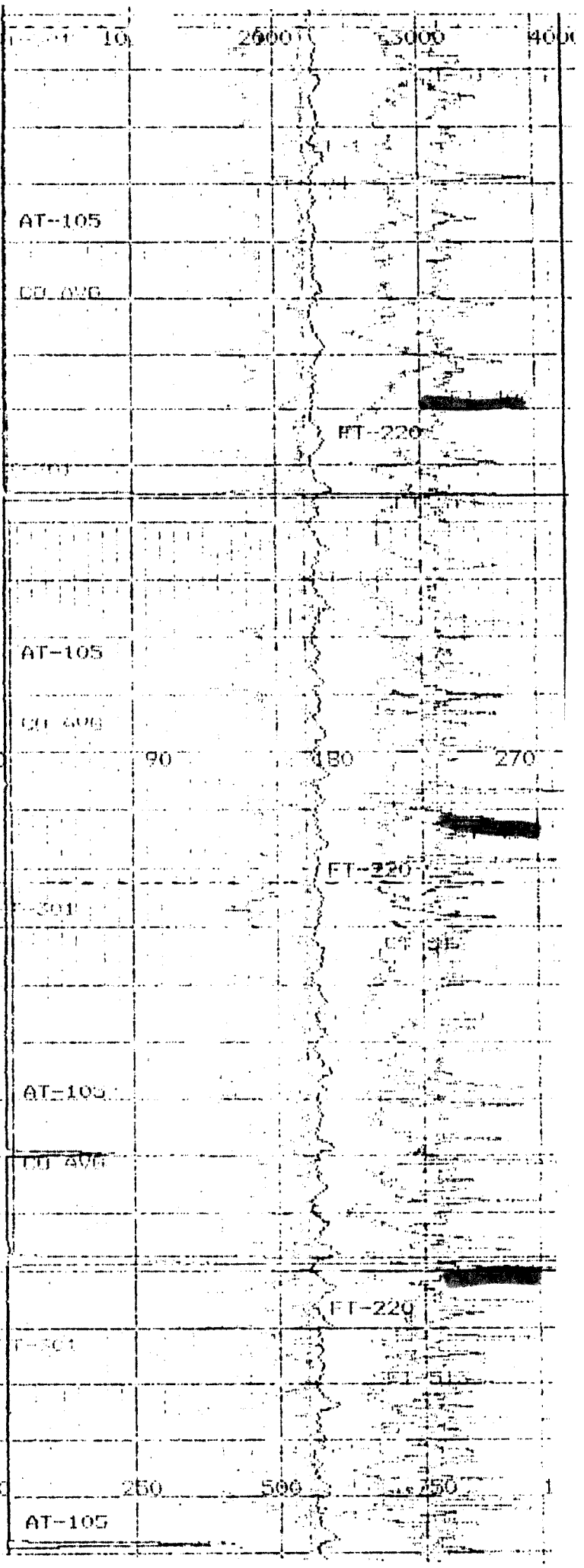
FT-301 NG FLOW FT-301

01)	8.1	PPM	BOILER 1 CO READING
02)	7.46	%	BOILER 1 O2 READING
03)	71.0	PSIG	BOILER 1 RECY PRESS
04)	78.4	%	TAR TANK LEVEL
05)	767	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2228.7	CFM	BOILER 1 AIR FLOW
08)	[redacted]		TAR FLOW
09)	2052.7	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.36	°C	T-900 TEMP
13)	26.21	Hz.	Fan Drive Freq
D01)	8.6	PPM	CO ROLLING AVERAGE
D02)	2055.0	DEG F	TEMP ROLLING AVERAGE
D03)	1.0		Tar Flow Hr Avg
T01)	126	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

02:00:00 12/15/92 JOB LOG BOILER 1 POINTS

4.3m

FT-513 BOILER STM FLOW X 10



T-900 T-900 TEMP

01)	8.7 PPM	BOILER 1 CO READING	
02)	7.72 %	BOILER 1 O2 READING	
03)	71.7 PSIG	BOILER 1 RECY PRESS	AT-105
04)	74.9 %	TAR TANK LEVEL	
05)	674 #/HR	BOILER STM FLOW X 10	CO AVG
06)	-3.1 CFM	NG FLOW FT-301	
07)	2266.9 CFM	BOILER 1 AIR FLOW	
[redacted]		TAR FLOW	
09)	2044.9 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	OFF	Channel number 11	
12)	125.61 °C	T-900 TEMP	
13)	26.45 Hz.	Fan Drive Freq	
D01)	9.0 PPM	CO ROLLING AVERAGE	
D02)	2043.3 DEG F	TEMP ROLLING AVERAGE	
D03)	1.0	Tar Flow Hr Avg	
T01)	378 Gal	Tar Flow Total	AT-105
T02)	0 CFM	NG TOTAL FLOW X 10	
06:00:00	12/15/92	JOB LOG BOILER 1 POINTS	CO AVG

FT-106 BOILER 1 CHAMB TEMP

01)	8.5 PPM	BOILER 1 CO READING	
02)	7.86 %	BOILER 1 O2 READING	
03)	72.2 PSIG	BOILER 1 RECY PRESS	
04)	75.8 %	TAR TANK LEVEL	
05)	704 #/HR	BOILER STM FLOW X 10	
06)	3.1 CFM	NG FLOW FT-301	
07)	2244.6 CFM	BOILER 1 AIR FLOW	AT-105
[redacted]		TAR FLOW	
09)	2055.0 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	CO AVG
11)	OFF	Channel number 11	
12)	125.60 °C	T-900 TEMP	
13)	26.68 Hz.	Fan Drive Freq	
D01)	8.2 PPM	CO ROLLING AVERAGE	
D02)	2055.2 DEG F	TEMP ROLLING AVERAGE	
D03)	1.0	Tar Flow Hr Avg	
T01)	315 Gal	Tar Flow Total	
T02)	0 CFM	NG TOTAL FLOW X 10	
05:00:00	12/15/92	JOB LOG BOILER 1 POINTS	

FT-406 TAR FLOW AT-105

003)	.2		Tar Flow Hr Avg
T01)	656	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

10:00:00 12/15/92 JOB LOG BOILER 1 POINTS

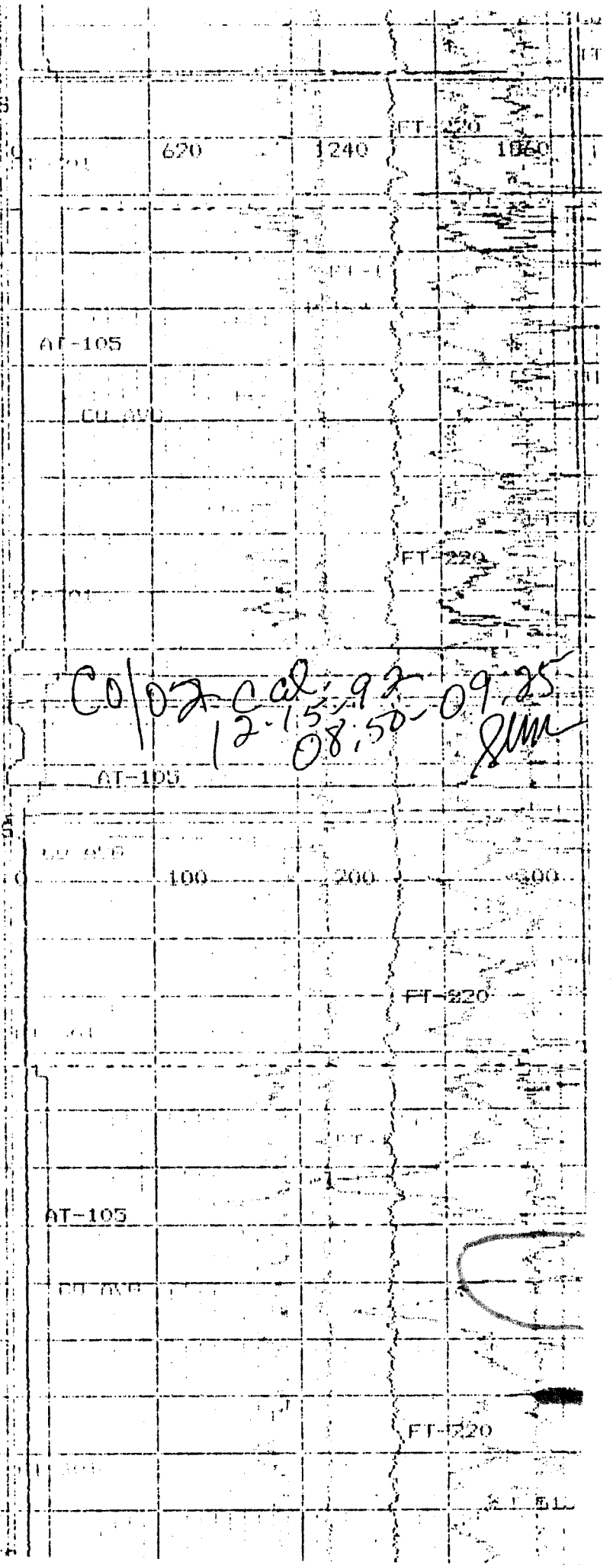
TEMP AV TEMP ROLLING AVERAGE

01)	7.3	PPM	BOILER 1 CO READING
02)	7.47	%	BOILER 1 O2 READING
03)	74.7	PSIG	BOILER 1 RECY PRESS
04)	72.1	%	TAR TANK LEVEL
05)	786	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2663.9	CFM	BOILER 1 AIR FLOW
[redacted]	1.16	[redacted]	TAR FLOW
09)	2030.0	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.32	°C	T-900 TEMP
13)	30.90	Hz.	Fan Drive Freq
D01)	2.8	PPM	CO ROLLING AVERAGE
D02)	2032.4	DEG F	TEMP ROLLING AVERAGE
D03)	1.2		Tar Flow Hr Avg
T01)	583	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

09:00:00 12/15/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01)	7.5	PPM	BOILER 1 CO READING
02)	7.48	%	BOILER 1 O2 READING
03)	72.6	PSIG	BOILER 1 RECY PRESS
04)	73.1	%	TAR TANK LEVEL
05)	801	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2602.6	CFM	BOILER 1 AIR FLOW
[redacted]	[redacted]	[redacted]	TAR FLOW
09)	2035.7	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.40	°C	T-900 TEMP
13)	30.67	Hz.	Fan Drive Freq
D01)	20.6	PPM	CO ROLLING AVERAGE
D02)	2043.9	DEG F	TEMP ROLLING AVERAGE
D03)	1.1		Tar Flow Hr Avg
T01)	511	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10



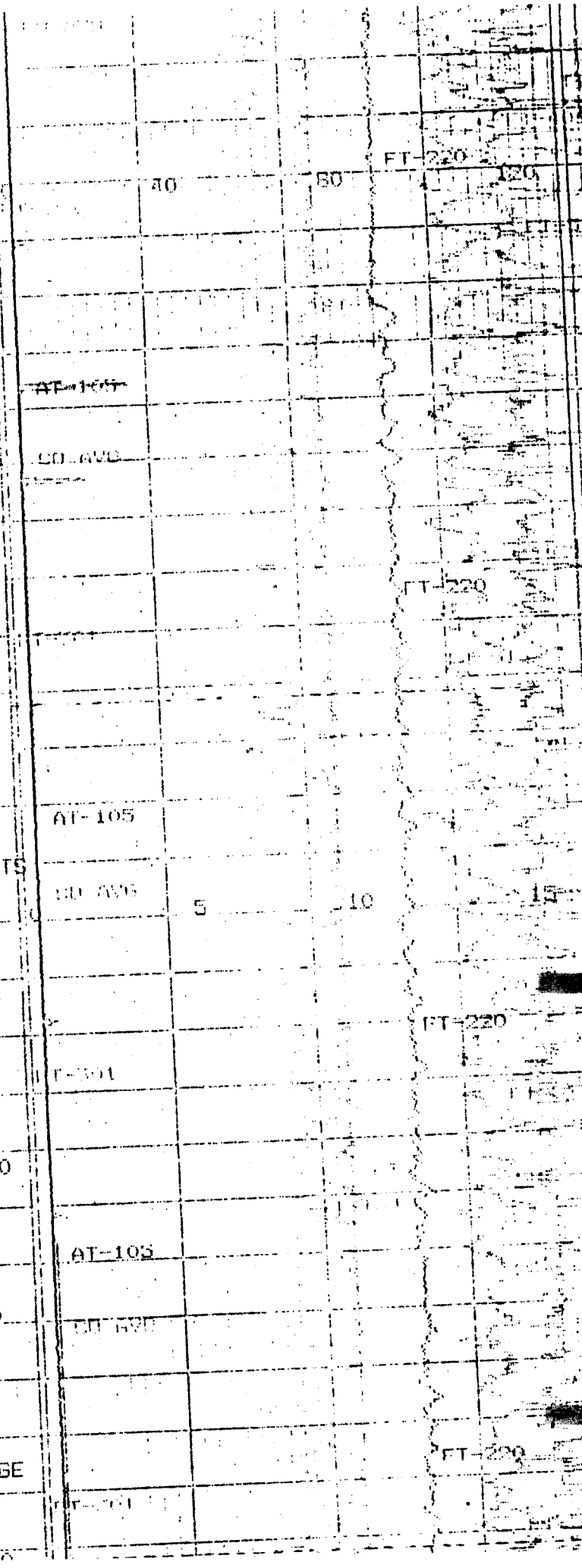
D02) 20 4 DEG F TEMP ROLLING AVERAGE
D03) 1.2 Tar Flow Hr Avg
T01) 872 Gal Tar Flow Total
T02) 0 CFM NG TOTAL FLOW X 10
13:00:00 12/15/92 JOB LOG BOILER 1 POINTS

PI-1 BOILER 1 RECY PRESS

01) 7.5 PPM BOILER 1 CO READING
02) 7.60 % BOILER 1 O2 READING
03) 73.5 PSIG BOILER 1 RECY PRESS
04) 69.3 % TAR TANK LEVEL
05) 743 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2616.2 CFM BOILER 1 AIR FLOW
[redacted]
09) 2021.0 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.46 °C T-900 TEMP
13) 30.66 Hz. Fan Drive Freq
D01) 7.7 PPM CO ROLLING AVERAGE
D02) 2022.0 DEG F TEMP ROLLING AVERAGE
D03) 1.2 Tar Flow Hr Avg
T01) 800 Gal Tar Flow Total
T02) 0 CFM NG TOTAL FLOW X 10
12:00:00 12/15/92 JOB LOG BOILER 1 POINTS

AI-104 BOILER 1 O2 READING

01) 7.5 PPM BOILER 1 CO READING
02) 7.15 % BOILER 1 O2 READING
03) 71.2 PSIG BOILER 1 RECY PRESS
04) 70.3 % TAR TANK LEVEL
05) 762 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2632.5 CFM BOILER 1 AIR FLOW
[redacted]
09) 2023.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.49 °C T-900 TEMP
13) 30.43 Hz. Fan Drive Freq
D01) 11.9 PPM CO ROLLING AVERAGE
D02) 2022.5 DEG F TEMP ROLLING AVERAGE
D03) 1.2 Tar Flow Hr Avg
T01) 728 Gal Tar Flow Total



02)	2017	DEG F	TEMP ROLLING AVERAGE
03)	4		Tar Flow Hr Avg
01)	974	Gal	Tar Flow Total
02)	1280	CFM	NG TOTAL FLOW X 10

5:00:00 12/15/92 JOB LOG BOILER 1 POINTS

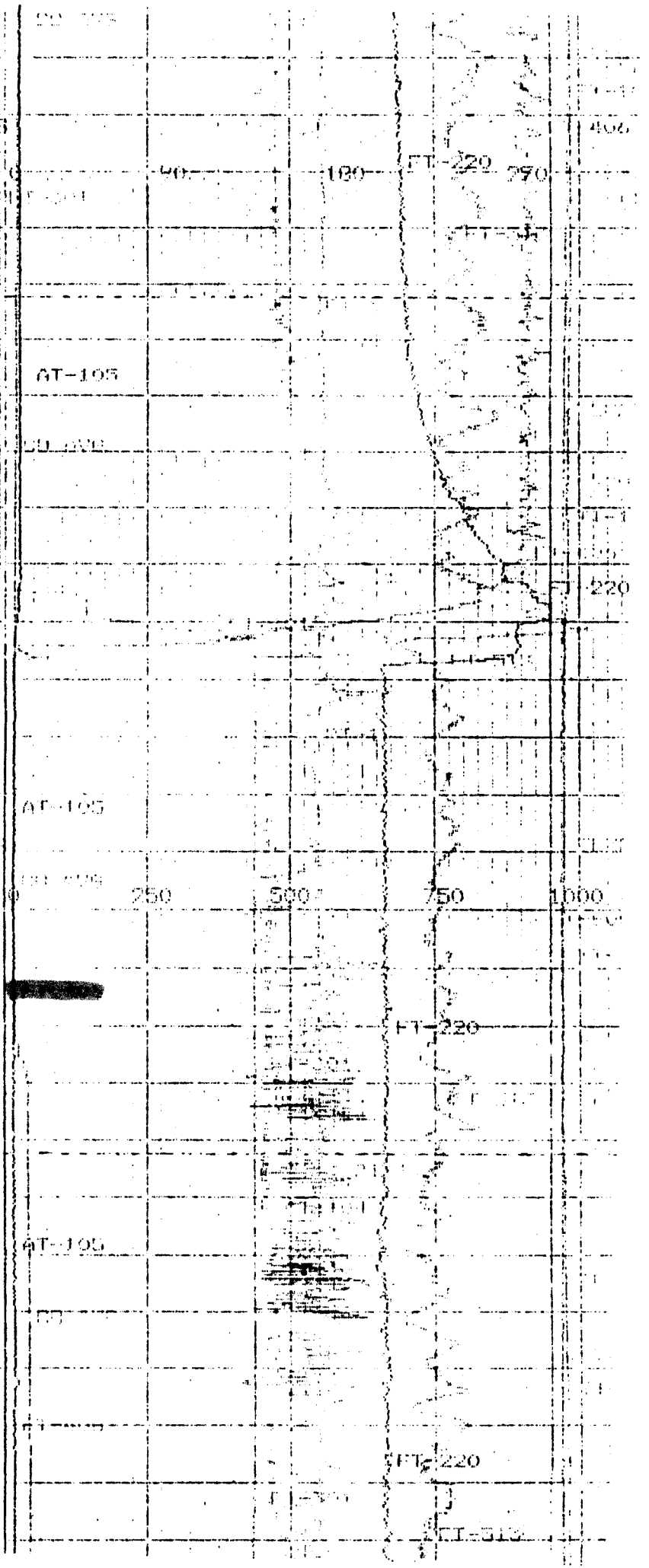
T-301 NG FLOW FT-301

01)	5.2	PPM	BOILER 1 CO READING
02)	7.59	%	BOILER 1 O2 READING
03)	72.8	PSIG	BOILER 1 RECY PRESS
04)	91.6	%	TAR TANK LEVEL
05)	765	#/HR	BOILER STM FLOW X 10
06)	130.8	CFM	NG FLOW FT-301
07)	2640.1	CFM	BOILER 1 AIR FLOW
[redacted]			
09)	1996.9	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.89	°C	T-900 TEMP
13)	31.13	Hz.	Fan Drive Freq
01)	5.4	PPM	CO ROLLING AVERAGE
02)	1990.7	DEG F	TEMP ROLLING AVERAGE
03)	0.0		Tar Flow Hr Avg
01)	924	Gal	Tar Flow Total
02)	1021	CFM	NG TOTAL FLOW X 10

5:00:00 12/15/92 JOB LOG BOILER 1 POINTS

T-513 BOILER STM FLOW X 10

01)	5.7	PPM	BOILER 1 CO READING
02)	8.30	%	BOILER 1 O2 READING
03)	68.0	PSIG	BOILER 1 RECY PRESS
04)	79.5	%	TAR TANK LEVEL
05)	751	#/HR	BOILER STM FLOW X 10
06)	129.5	CFM	NG FLOW FT-301
07)	2716.0	CFM	BOILER 1 AIR FLOW
[redacted]			
09)	1994.6	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.44	°C	T-900 TEMP
13)	32.06	Hz.	Fan Drive Freq
01)	15.0	PPM	CO ROLLING AVERAGE
02)	2013.8	DEG F	TEMP ROLLING AVERAGE
03)	0.8		Tar Flow Hr Avg
01)	924	Gal	Tar Flow Total
[illegible]	[illegible]	CFM	NG TOTAL FLOW X 10



(001) 3.1 PPM CO ROLLING AVERAGE
D02) 7.1 DEG F TEMP ROLLING AVERAGE
(003) 1.2 Tar Flow Hr Avg
T01) 1191 Gal Tar Flow Total
T02) 1280 CFM NG TOTAL FLOW X 10
19:00:00 12/15/92 JOB LOG BOILER 1 POINTS

2.2m TT-106 BOILER 1 CHAMB TEMP

01) 8.1 PPM BOILER 1 CO READING
02) 7.63 % BOILER 1 O2 READING
03) 73.9 PSIG BOILER 1 RECY PRESS
04) 88.7 % TAR TANK LEVEL
05) 831 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2672.3 CFM BOILER 1 AIR FLOW
[redacted] TAR FLOW
09) 2019.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.65 °C T-900 TEMP
13) 30.90 Hz. Fan Drive Freq
001) 8.1 PPM CO ROLLING AVERAGE
002) 2021.5 DEG F TEMP ROLLING AVERAGE
2.3m 003) 1.2 Tar Flow Hr Avg
T01) 1119 Gal Tar Flow Total
T02) 1280 CFM NG TOTAL FLOW X 10
18:00:00 12/15/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

01) 7.9 PPM BOILER 1 CO READING
02) 7.62 % BOILER 1 O2 READING
03) 73.1 PSIG BOILER 1 RECY PRESS
04) 89.8 % TAR TANK LEVEL
05) 784 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2696.6 CFM BOILER 1 AIR FLOW
[redacted] 1.20 GPM TAR FLOW
09) 2022.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
2.4m 11) OFF Channel number 11
12) 125.61 °C T-900 TEMP
13) 31.37 Hz. Fan Drive Freq
001) 8.1 PPM CO ROLLING AVERAGE
002) 2022.8 DEG F TEMP ROLLING AVERAGE
003) 1.2 Tar Flow Hr Avg
T01) 1047 Gal Tar Flow Total

620 1240 FT-220 1860
AT-105
CO AVG
FT-220
AT-104
AT-105
CO AVG 0.5
FT-220
AT-105
CO AVG
FT-220
FT-301

TEMP AV TEMP ROLLING AVERAGE

01)	8.1	PPM	BOILER 1 CO READING
02)	7.59	%	BOILER 1 O2 READING
03)	73.8	PSIG	BOILER 1 RECY PRESS
04)	85.8	%	TAR TANK LEVEL
05)	770	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2671.5	CFM	BOILER 1 AIR FLOW
[redacted]			TAR FLOW
09)	2010.6	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.39	°C	T-900 TEMP
13)	30.90	Hz.	Fan Drive Freq
D01)	8.1	PPM	CO ROLLING AVERAGE
D02)	2013.4	DEG F	TEMP ROLLING AVERAGE
D03)	1.2		Tar Flow Hr Avg
T01)	1336	Gal	Tar Flow Total
T02)	1280	CFM	NG TOTAL FLOW X 10

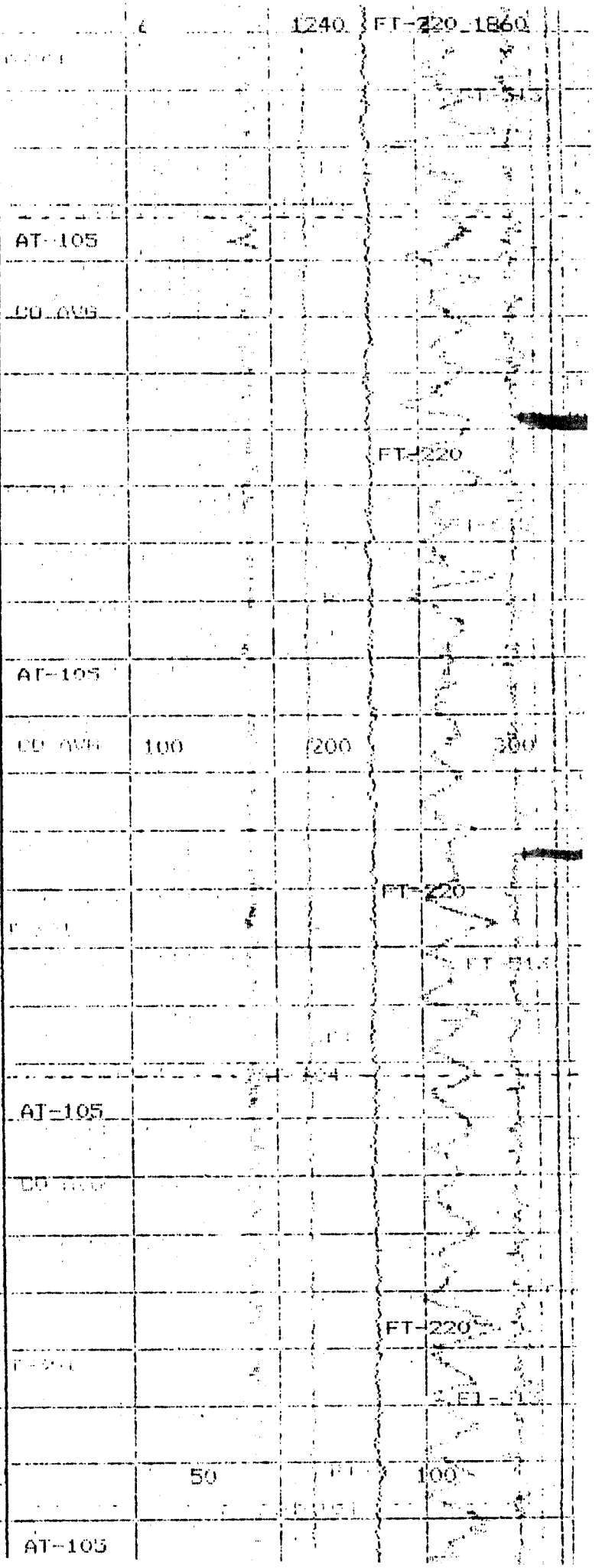
21:00:00 12/15/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01)	8.1	PPM	BOILER 1 CO READING
02)	7.60	%	BOILER 1 O2 READING
03)	73.5	PSIG	BOILER 1 RECY PRESS
04)	86.5	%	TAR TANK LEVEL
05)	793	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2626.9	CFM	BOILER 1 AIR FLOW
[redacted]			TAR FLOW
09)	2015.1	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.36	°C	T-900 TEMP
13)	31.37	Hz.	Fan Drive Freq
D01)	8.1	PPM	CO ROLLING AVERAGE
D02)	2015.4	DEG F	TEMP ROLLING AVERAGE
D03)	1.2		Tar Flow Hr Avg
T01)	1264	Gal	Tar Flow Total
T02)	1280	CFM	NG TOTAL FLOW X 10

20:00:00 12/15/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP



D02) 29 0 DEG F TEMP ROLLING AVERAGE
D03) 1.2 Tar Flow Hr Avg
T01) 72 Gal Tar Flow Total
T02) 0 CFM NG TOTAL FLOW X 10
01:00:00 12/16/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01) 7.9 PPM BOILER 1 CO READING
02) 7.63 % BOILER 1 O2 READING
03) 73.4 PSIG BOILER 1 RECY PRESS
04) 82.8 % TAR TANK LEVEL
05) 792 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2634.3 CFM BOILER 1 AIR FLOW
08) [redacted] TAR FLOW
09) 2005.7 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.61 °C T-900 TEMP
13) 30.67 Hz. Fan Drive Freq
D01) 8.1 PPM CO ROLLING AVERAGE
D02) 2005.6 DEG F TEMP ROLLING AVERAGE
D03) 1.2 Tar Flow Hr Avg
T01) 1554 Gal Tar Flow Total
T02) 1280 CFM NG TOTAL FLOW X 10
(KIM W 3RD)
00:00:00 12/16/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01) 8.1 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) 73.1 PSIG BOILER 1 RECY PRESS
04) 83.7 % TAR TANK LEVEL
05) 806 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2632.4 CFM BOILER 1 AIR FLOW
08) 1.19 [redacted] TAR FLOW
09) 2006.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.57 °C T-900 TEMP
13) 30.67 Hz. Fan Drive Freq
D01) 8.1 PPM CO ROLLING AVERAGE
D02) 2007.2 DEG F TEMP ROLLING AVERAGE
D03) 1.2 Tar Flow Hr Avg
T01) 1481 Gal Tar Flow Total

FT-301 NG FLOW FT-301

01)	8.1	PPM	BOILER 1 CO READING
02)	7.59	%	BOILER 1 O2 READING
03)	74.3	PSIG	BOILER 1 RECY PRESS
04)	79.8	%	TAR TANK LEVEL
05)	790	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2601.5	CFM	BOILER 1 AIR FLOW
08)	[redacted]		
09)	2003.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.34	°C	T-900 TEMP
13)	30.43	Hz.	Fan Drive Freq
D01)	8.1	PPM	CO ROLLING AVERAGE
D02)	2004.7	DEG F	TEMP ROLLING AVERAGE
D03)	1.2		Tar Flow Hr Avg
T01)	217	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

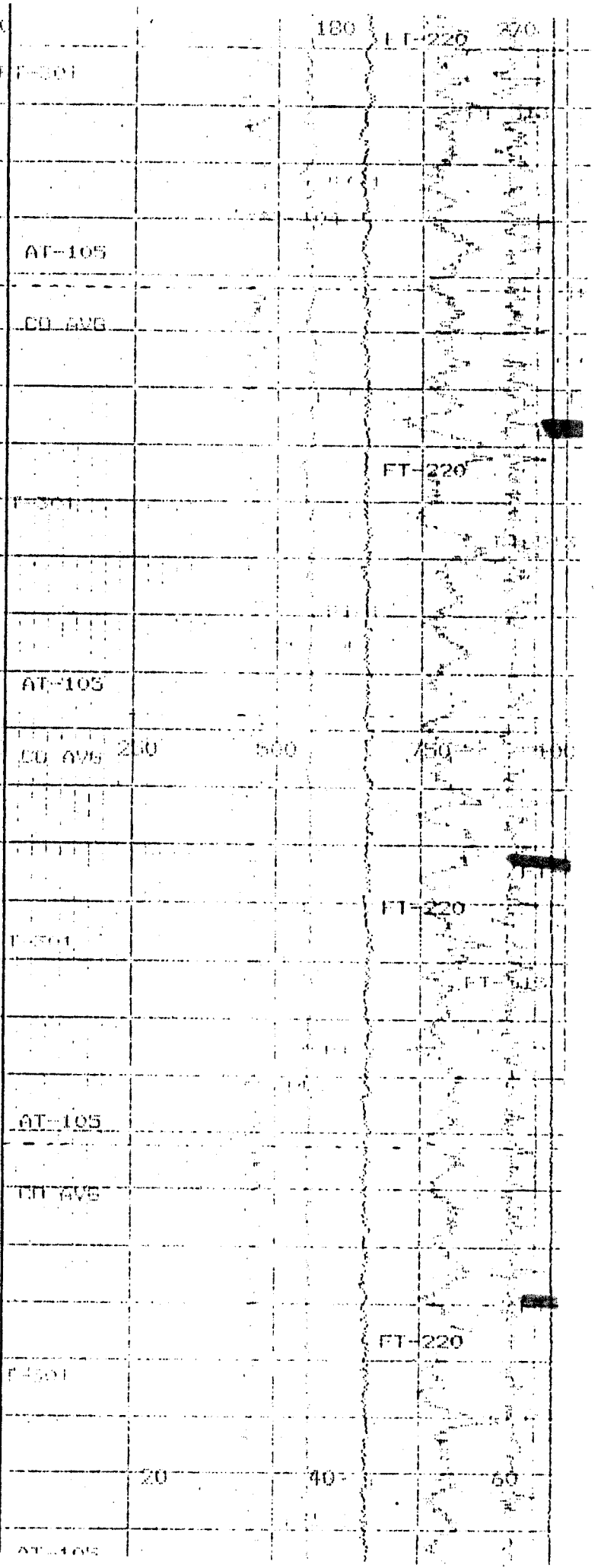
03:00:00 12/16/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01)	8.1	PPM	BOILER 1 CO READING
02)	7.60	%	BOILER 1 O2 READING
03)	73.6	PSIG	BOILER 1 RECY PRESS
04)	80.5	%	TAR TANK LEVEL
05)	783	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2607.8	CFM	BOILER 1 AIR FLOW
[redacted]			TAR FLOW
09)	2005.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.39	°C	T-900 TEMP
13)	30.91	Hz.	Fan Drive Freq
(RTM W-3RD)			
D01)	8.1	PPM	CO ROLLING AVERAGE
D02)	2005.0	DEG F	TEMP ROLLING AVERAGE
D03)	1.2		Tar Flow Hr Avg
T01)	144	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

02:00:00 12/16/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL



T-10 BOILER 1 CHAMB TEMP

01)	8.2 PPM	BOILER 1 CO READING
02)	7.80 %	BOILER 1 O2 READING
03)	74.3 PSIG	BOILER 1 RECY PRESS
04)	76.6 %	TAR TANK LEVEL
05)	753 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2602.1 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	1994.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.52 °C	T-900 TEMP
13)	30.90 Hz.	Fan Drive Freq
01)	8.8 PPM	CO ROLLING AVERAGE
02)	1991.9 DEG F	TEMP ROLLING AVERAGE
03)	1.2	Tar Flow Hr Avg
01)	434 Gal	Tar Flow Total
02)	0 CFM	NG TOTAL FLOW X 10

6:00:00 12/16/92 JOB LOG BOILER 1 POINTS

T-406 TAR FLOW

01)	8.1 PPM	BOILER 1 CO READING
02)	7.74 %	BOILER 1 O2 READING
03)	73.0 PSIG	BOILER 1 RECY PRESS
04)	77.7 %	TAR TANK LEVEL
05)	825 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2593.8 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	2006.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.57 °C	T-900 TEMP
13)	30.43 Hz.	Fan Drive Freq
01)	8.3 PPM	CO ROLLING AVERAGE
02)	2005.5 DEG F	TEMP ROLLING AVERAGE
03)	1.2	Tar Flow Hr Avg
01)	362 Gal	Tar Flow Total
02)	0 CFM	NG TOTAL FLOW X 10

5:00:00 12/16/92 JOB LOG BOILER 1 POINTS

T-220 BOILER 1 AIR FLOW

EMP AV TEMP ROLLING AVERAGE

01)	6.9 PPM	BOILER 1 CO READING	
02)	7.54 %	BOILER 1 O2 READING	
03)	74.1 PSIG	BOILER 1 RECY PRESS	
04)	73.8 %	TAR TANK LEVEL	
05)	745 #/HR	BOILER STM FLOW X 10	
06)	-3.1 CFM	NG FLOW FT-301	
07)	2655.3 CFM	BOILER 1 AIR FLOW	
08)	[redacted]	TAR FLOW	
09)	2003.7 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	OFF	Channel number 11	
12)	125.39 °C	T-900 TEMP	
13)	31.14 Hz.	Fan Drive Freq	
01)	19.4 PPM	CO ROLLING AVERAGE	
02)	2004.0 DEG F	TEMP ROLLING AVERAGE	
03)	1.2	Tar Flow Hr Avg	
01)	652 Gal	Tar Flow Total	
02)	0 CFM	NG TOTAL FLOW X 10	

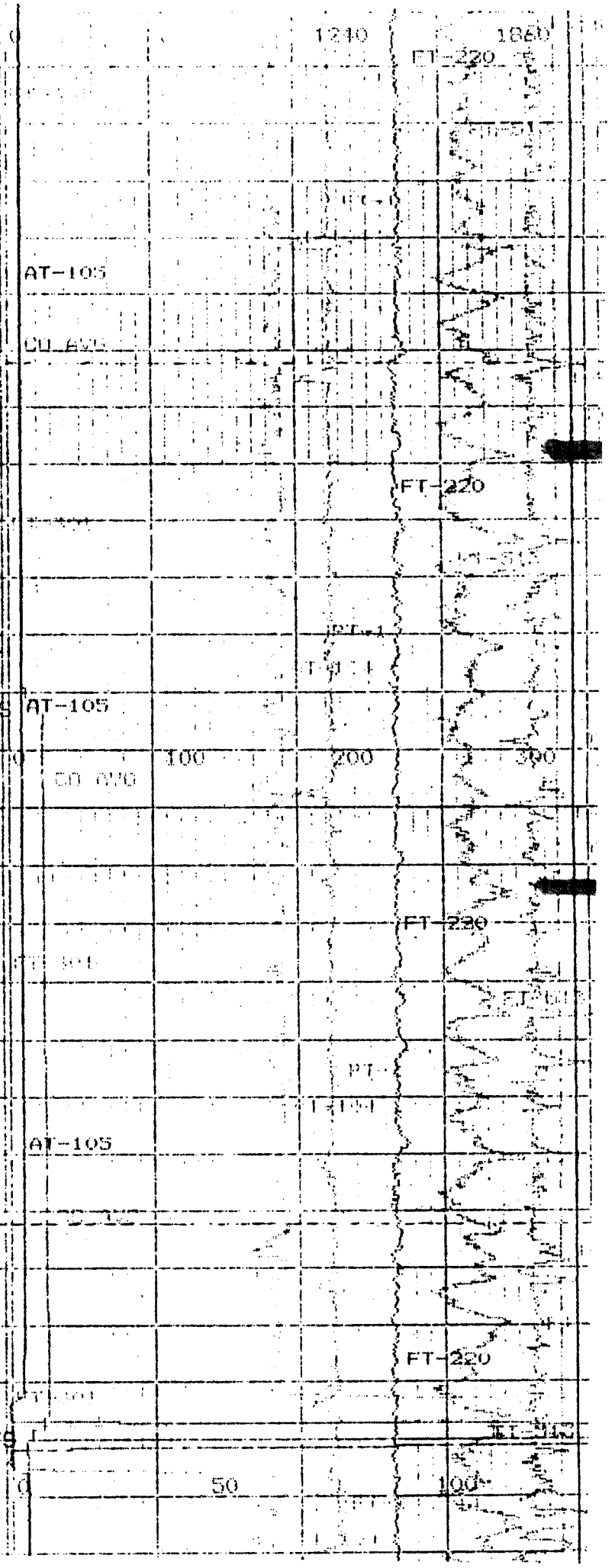
9:00:00 12/16/92 JOB LOG BOILER 1 POINTS

0 AVG CO ROLLING AVERAGE

01)	0.0 PPM	BOILER 1 CO READING	
02)	-0.02 %	BOILER 1 O2 READING	
03)	75.0 PSIG	BOILER 1 RECY PRESS	
04)	74.6 %	TAR TANK LEVEL	
05)	765 #/HR	BOILER STM FLOW X 10	
06)	-3.1 CFM	NG FLOW FT-301	
07)	2632.4 CFM	BOILER 1 AIR FLOW	
08)	[redacted]	TAR FLOW	
09)	2004.9 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	OFF	Channel number 11	
12)	125.32 °C	T-900 TEMP	
13)	30.90 Hz.	Fan Drive Freq	
01)	8.5 PPM	CO ROLLING AVERAGE	
02)	2002.7 DEG F	TEMP ROLLING AVERAGE	
03)	1.2	Tar Flow Hr Avg	
01)	579 Gal	Tar Flow Total	
02)	0 CFM	NG TOTAL FLOW X 10	

8:00:00 12/16/92 JOB LOG BOILER 1 POINTS

-900 T-900 TEMP



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12-16-92

JST

MM

001)	7.2 PPM	CO ROLLING AVERAGE
002)	2007.0 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
01)	869 Gal	Tar Flow Total
02)	0 CFM	NG TOTAL FLOW X 10

2:00:00 12/16/92 JOB LOG BOILER 1 POINTS

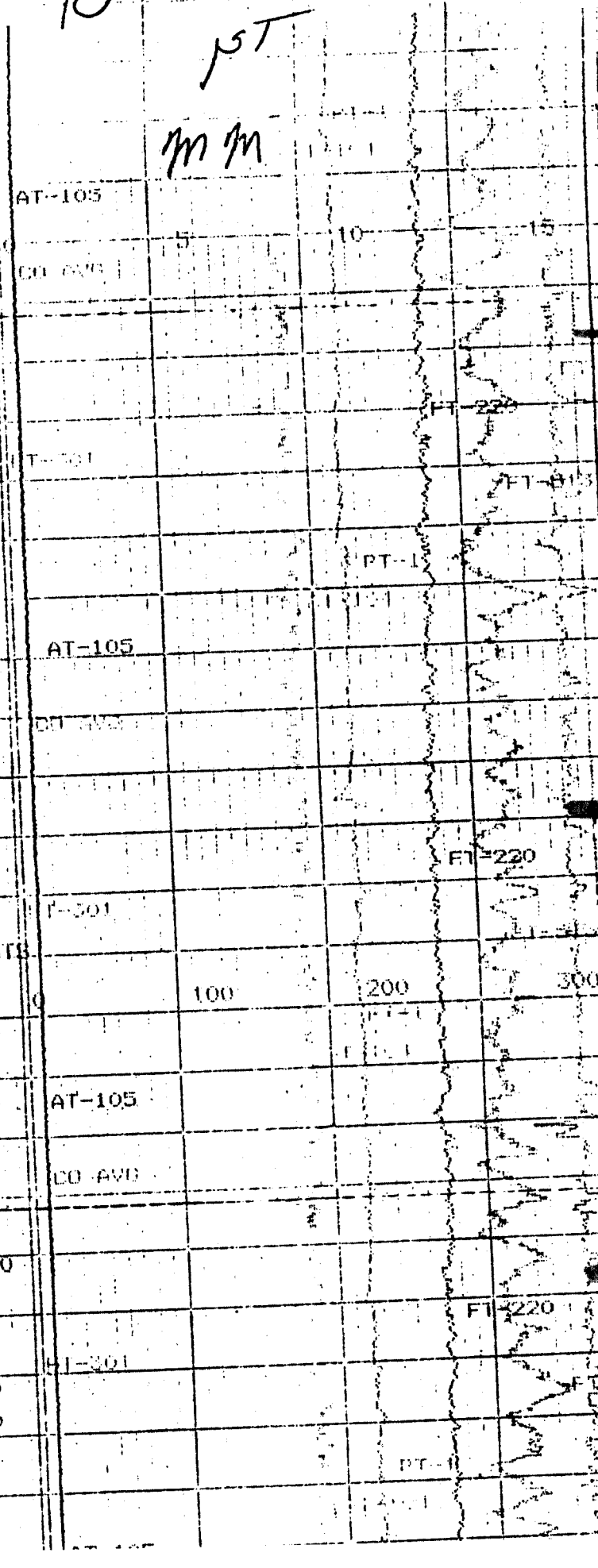
AT-104 BOILER 1 O2 READING

01)	7.3 PPM	BOILER 1 CO READING
02)	7.68 %	BOILER 1 O2 READING
03)	72.2 PSIG	BOILER 1 RECY PRESS
04)	71.9 %	TAR TANK LEVEL
05)	782 #/HR	BOILER STM FLOW X 10
06)	3.1 CFM	NG FLOW FT-301
07)	2715.7 CFM	BOILER 1 AIR FLOW
08)	[illegible]	TAR FLOW
09)	2004.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.45 °C	T-900 TEMP
13)	31.83 Hz.	Fan Drive Freq
01)	7.1 PPM	CO ROLLING AVERAGE
02)	2005.6 DEG F	TEMP ROLLING AVERAGE
03)	1.2	Tar Flow Hr Avg
01)	796 Gal	Tar Flow Total
02)	0 CFM	NG TOTAL FLOW X 10

1:00:00 12/16/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	6.9 PPM	BOILER 1 CO READING
02)	7.74 %	BOILER 1 O2 READING
03)	73.8 PSIG	BOILER 1 RECY PRESS
04)	72.8 %	TAR TANK LEVEL
05)	818 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2698.9 CFM	BOILER 1 AIR FLOW
08)	[illegible]	TAR FLOW
09)	2005.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.44 °C	T-900 TEMP
13)	31.36 Hz.	Fan Drive Freq



CO_AVG CO ROLLING AVERAGE

01)	7.4 PPM	BOILER 1 CO READING
02)	7.66 %	BOILER 1 O2 READING
03)	72.9 PSIG	BOILER 1 RECY PRESS
04)	68.8 %	TAR TANK LEVEL
05)	783 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2818.7 CFM	BOILER 1 AIR FLOW
[redacted]		TAR FLOW
09)	2008.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.33 °C	T-900 TEMP
13)	32.54 Hz.	Fan Drive Freq
D01)	7.5 PPM	CO ROLLING AVERAGE
D02)	2008.6 DEG F	TEMP ROLLING AVERAGE
D03)	1.2	Tar Flow Hr Avg
T01)	1012 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

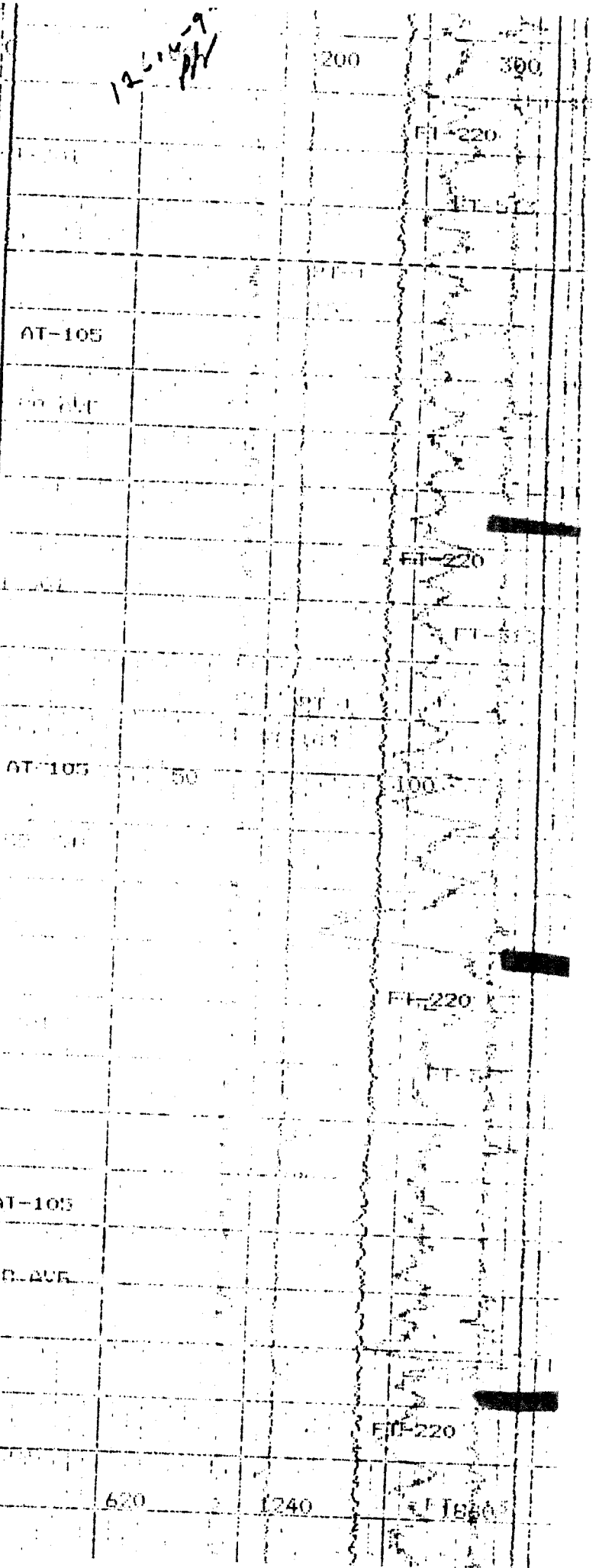
14:00:00 12/16/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	7.5 PPM	BOILER 1 CO READING
02)	7.60 %	BOILER 1 O2 READING
03)	73.2 PSIG	BOILER 1 RECY PRESS
04)	69.9 %	TAR TANK LEVEL
05)	839 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2803.7 CFM	BOILER 1 AIR FLOW
[redacted]		TAR FLOW
09)	2008.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.43 °C	T-900 TEMP
13)	32.53 Hz.	Fan Drive Freq
D01)	7.5 PPM	CO ROLLING AVERAGE
D02)	2008.9 DEG F	TEMP ROLLING AVERAGE
D03)	1.2	Tar Flow Hr Avg
T01)	940 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

15:00:00 12/16/92 JOB LOG BOILER 1 POINTS

-106 BOILER 1 CHAMB TEMP



D03)	2	Tar Flow Hr Avg
T01)	[illegible] Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

18:00:00 12/16/92 JOB LOG BOILER 1 POINTS

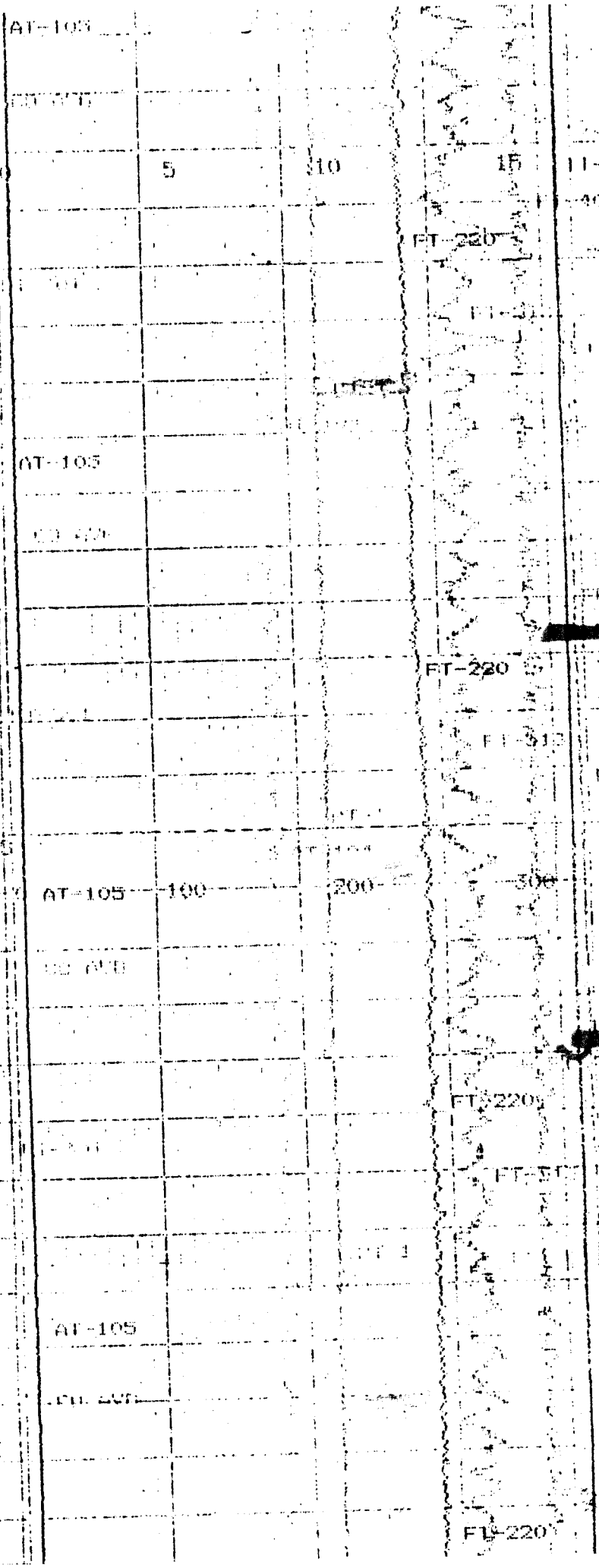
AT-104 BOILER 1 O2 READING

01)	7.3 PPM	BOILER 1 CO READING
02)	7.70 %	BOILER 1 O2 READING
03)	73.5 PSIG	BOILER 1 RECY PRESS
04)	65.8 %	TAR TANK LEVEL
05)	782 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2847.8 CFM	BOILER 1 AIR FLOW
08)	[illegible]	TAR FLOW
09)	2007.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.54 °C	T-900 TEMP
13)	33.24 Hz.	Fan Drive Freq
D01)	7.7 PPM	CO ROLLING AVERAGE
D02)	2008.8 DEG F	TEMP ROLLING AVERAGE
D03)	1.2	Tar Flow Hr Avg
T01)	1230 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

17:00:00 12/16/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	7.9 PPM	BOILER 1 CO READING
02)	7.72 %	BOILER 1 O2 READING
03)	73.1 PSIG	BOILER 1 RECY PRESS
04)	68.7 %	TAR TANK LEVEL
05)	766 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2882.7 CFM	BOILER 1 AIR FLOW
08)	[illegible]	TAR FLOW
09)	2010.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.43 °C	T-900 TEMP
13)	33.48 Hz.	Fan Drive Freq
D01)	7.8 PPM	CO ROLLING AVERAGE
D02)	2010.4 DEG F	TEMP ROLLING AVERASE
D03)	1.2	Tar Flow Hr Avg
T01)	1157 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10



102) 0 CFM NG TOTAL FLOW X 10

21:00:00 12/16/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

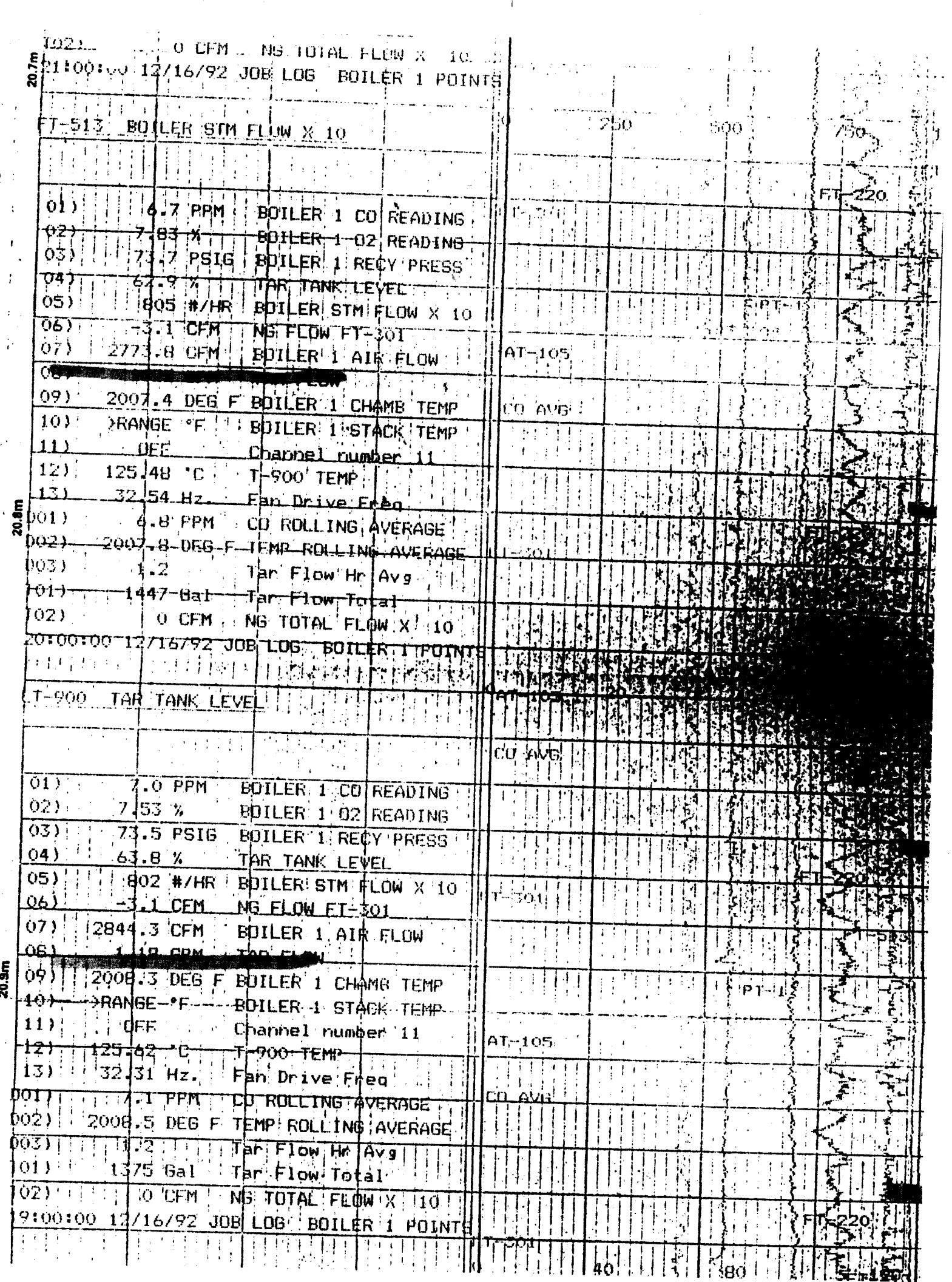
01)	6.7 PPM	BOILER 1 CO READING
02)	7.83 %	BOILER 1 O2 READING
03)	73.7 PSIG	BOILER 1 RECY PRESS
04)	62.9 %	TAR TANK LEVEL
05)	805 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2773.8 CFM	BOILER 1 AIR FLOW
08)	[redacted]	
09)	2007.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.48 °C	T-900 TEMP
13)	32.54 Hz.	Fan Drive Freq
001)	6.8 PPM	CO ROLLING AVERAGE
002)	2007.8 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
101)	1447 Gal	Tar Flow Total
102)	0 CFM	NG TOTAL FLOW X 10

20:00:00 12/16/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

01)	7.0 PPM	BOILER 1 CO READING
02)	7.53 %	BOILER 1 O2 READING
03)	73.5 PSIG	BOILER 1 RECY PRESS
04)	63.8 %	TAR TANK LEVEL
05)	802 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2844.3 CFM	BOILER 1 AIR FLOW
08)	[redacted]	
09)	2008.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.42 °C	T-900 TEMP
13)	32.31 Hz.	Fan Drive Freq
001)	7.1 PPM	CO ROLLING AVERAGE
002)	2008.5 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
101)	1375 Gal	Tar Flow Total
102)	0 CFM	NG TOTAL FLOW X 10

19:00:00 12/16/92 JOB LOG BOILER 1 POINTS



20.3m

D02)	2007.[illegible]	DEG F	TEMP ROLLING AVERAGE
D03)	1.2		Tar Flow Hr Avg
T01)	1737	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

00:00:00 12/17/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

01)	6.9	PPM	BOILER 1 CO READING
02)	6.69	%	BOILER 1 O2 READING
03)	75.0	PSIG	BOILER 1 RECY PRESS
04)	60.0	%	TAR TANK LEVEL
05)	820	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2787.2	CFM	BOILER 1 AIR FLOW
08)	[illegible]	CFM	TAR FLOW
09)	2007.3	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.34	°C	T-900 TEMP
13)	32.07	Hz.	Fan Drive Freq
D01)	6.8	PPM	CO ROLLING AVERAGE
D02)	2008.4	DEG F	TEMP ROLLING AVERAGE
(KIM W 3RD)			
D03)	1.2		Tar Flow Hr Avg
T01)	1665	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

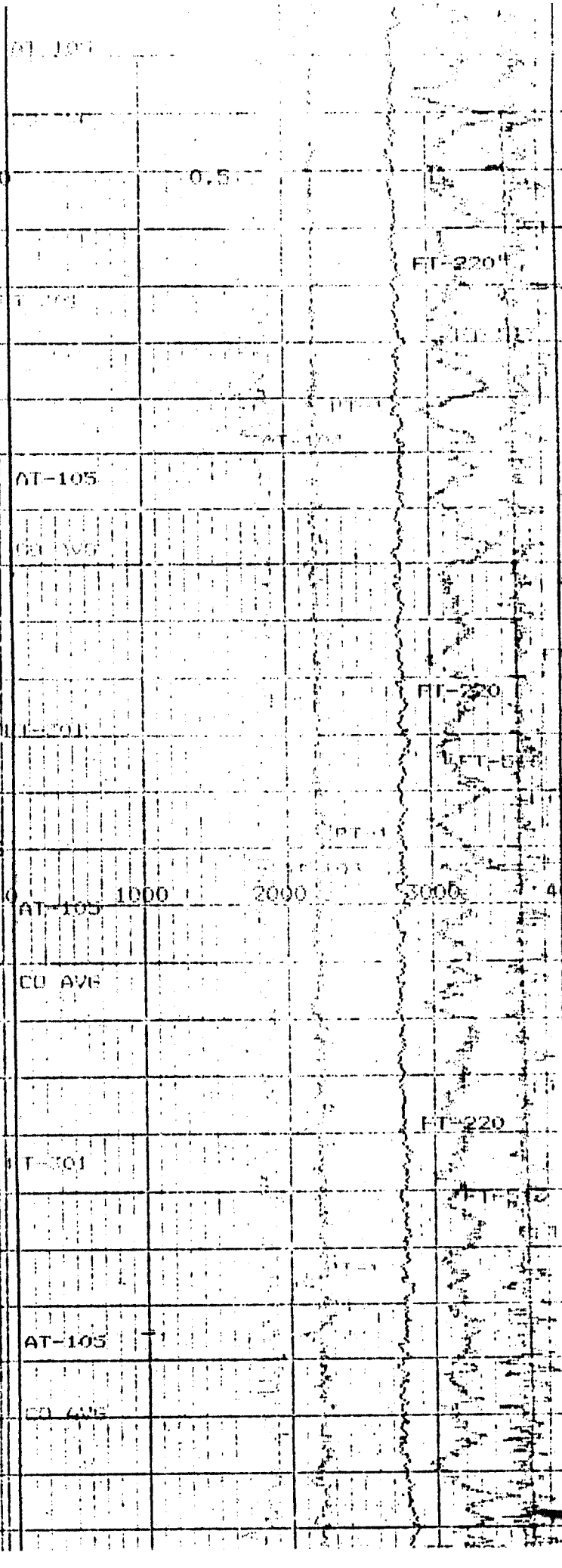
23:00:00 12/16/92 JOB LOG BOILER 1 POINTS

20.4m

FT-220 BOILER 1 AIR FLOW

01)	6.7	PPM	BOILER 1 CO READING
02)	7.64	%	BOILER 1 O2 READING
03)	73.5	PSIG	BOILER 1 RECY PRESS
04)	60.9	%	TAR TANK LEVEL
05)	786	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2788.7	CFM	BOILER 1 AIR FLOW
08)	[illegible]	CFM	TAR FLOW
09)	2008.3	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.32	°C	T-900 TEMP
13)	32.77	Hz.	Fan Drive Freq
D01)	6.8	PPM	CO ROLLING AVERAGE
D02)	2008.2	DEG F	TEMP ROLLING AVERAGE
D03)	1.2		Tar Flow Hr Avg
T01)	1592	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

20.5m



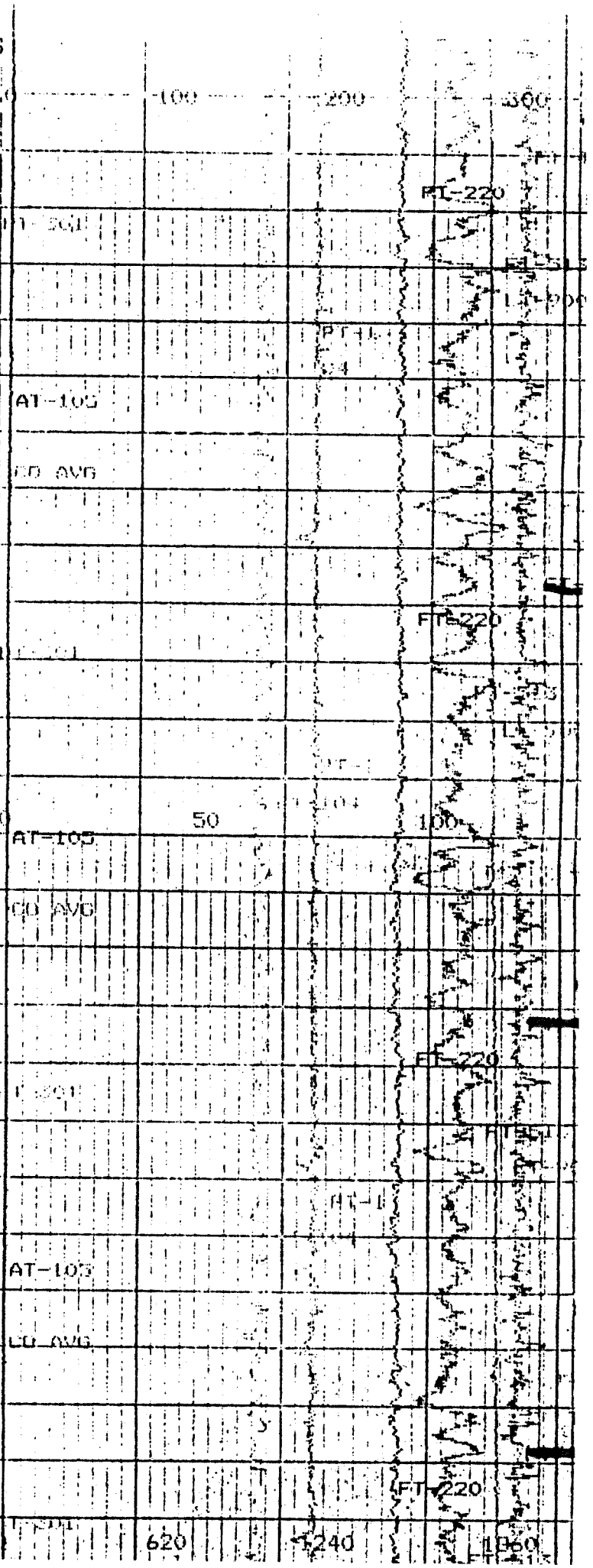
102) 0 CFM NG TOTAL FLOW X 10
00:00:00 12/17/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01) 7.3 PPM BOILER 1 CO READING
02) 7.66 % BOILER 1 O2 READING
03) 73.7 PSIG BOILER 1 RECY PRESS
04) 57.0 % TAR TANK LEVEL
05) 798 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2795.1 CFM BOILER 1 AIR FLOW
08) 1.21 GPM TAR FLOW
09) 2006.0 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.56 °C T-900 TEMP
13) 32.54 Hz. Fan Drive Freq
001) 7.0 PPM CO ROLLING AVERAGE
002) 2006.6 DEG F TEMP ROLLING AVERAGE
003) 1.2 Tar Flow Hr Avg
101) 144 Gal Tar Flow Total
102) 0 CFM NG TOTAL FLOW X 10
02:00:00 12/17/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01) 6.8 PPM BOILER 1 CO READING
02) 7.60 % BOILER 1 O2 READING
03) 73.4 PSIG BOILER 1 RECY PRESS
04) 58.1 % TAR TANK LEVEL
05) 783 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 2765.4 CFM BOILER 1 AIR FLOW
08) 1.24 GPM TAR FLOW
09) 2006.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) OFF Channel number 11
12) 125.54 °C T-900 TEMP
13) 32.54 Hz. Fan Drive Freq
001) 4.9 PPM CO ROLLING AVERAGE
002) 2006.6 DEG F TEMP ROLLING AVERAGE
003) 1.2 Tar Flow Hr Avg
101) 72 Gal Tar Flow Total
102) 0 CFM NG TOTAL FLOW X 10
01:00:00 12/17/92 JOB LOG BOILER 1 POINTS



102) 0 CFM NG TOTAL FLOW X 10
05:00:00 12/17/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

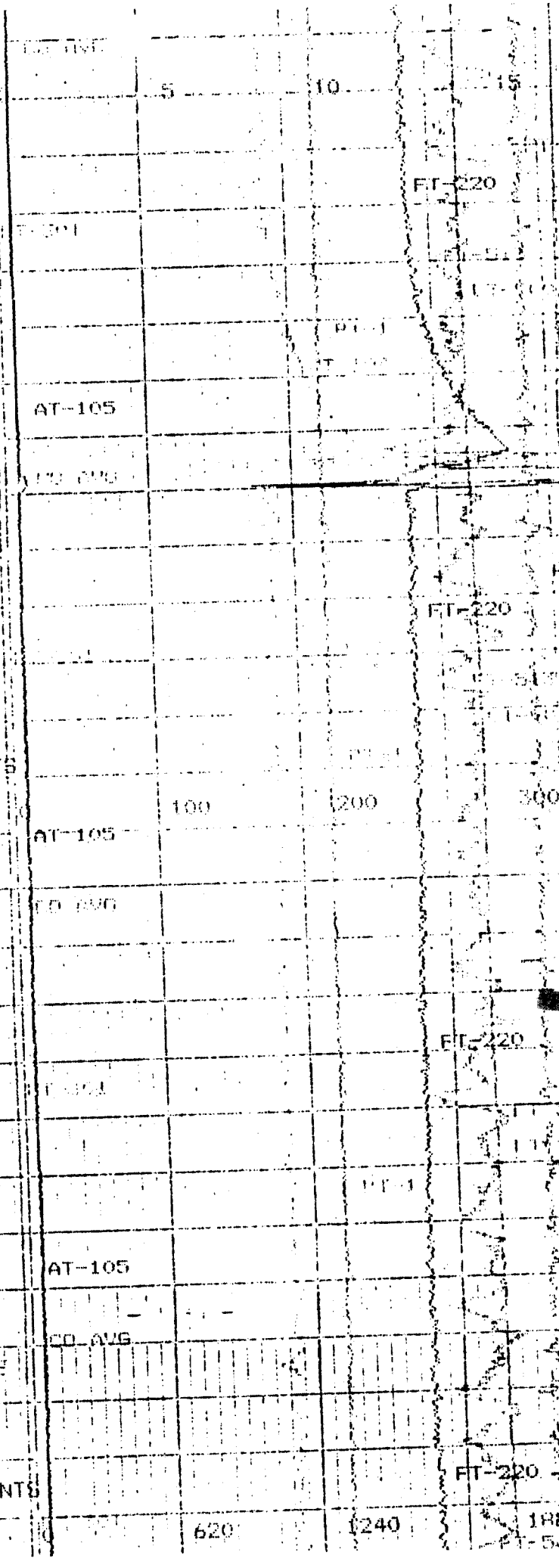
01)	7.0 PPM	BOILER 1 CO READING
02)	7.41 %	BOILER 1 O2 READING
03)	73.3 PSIG	BOILER 1 RECY PRESS
04)	54.2 %	TAR TANK LEVEL
05)	787 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2804.1 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	2007.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.45 °C	T-900 TEMP
13)	33.01 Hz.	Fan Drive Freq
D01)	7.2 PPM	CO ROLLING AVERAGE
D02)	2006.4 DEG F	TEMP ROLLING AVERAGE
D03)	1.2	Tar Flow Hr Avg
T01)	362 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

05:00:00 12/17/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	7.5 PPM	BOILER 1 CO READING
02)	7.66 %	BOILER 1 O2 READING
03)	73.3 PSIG	BOILER 1 RECY PRESS
04)	55.1 %	TAR TANK LEVEL
05)	810 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2787.5 CFM	BOILER 1 AIR FLOW
08)	[redacted]M	TAR FLOW
09)	2006.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.57 °C	T-900 TEMP
13)	32.78 Hz.	Fan Drive Freq
D01)	7.1 PPM	CO ROLLING AVERAGE
D02)	2006.5 DEG F	TEMP ROLLING AVERAGE
D03)	1.2	Tar Flow Hr Avg
T01)	289 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

04:00:00 12/17/92 JOB LOG BOILER 1 POINTS



FT-513 BOILER STM FLOW X 10

01)	7.9	PPM	BOILER 1 CO READING
02)	7.62	%	BOILER 1 O2 READING
03)	73.2	PSIG	BOILER 1 RECY PRESS
04)	50.8	%	TAR TANK LEVEL
05)	806	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2803.0	CFM	BOILER 1 AIR FLOW
08)	[redacted]	PPM	TAR FLOW
09)	2005.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.29	°C	T-900 TEMP
13)	32.78	Hz.	Fan Drive Freq
001)	7.8	PPM	CO ROLLING AVERAGE
002)	2003.4	DEG F	TEMP ROLLING AVERAGE
003)	1.2		Tar Flow Hr Avg
T01)	579	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

08:00:00 12/17/92 JOB LOG BOILER 1 POINTS

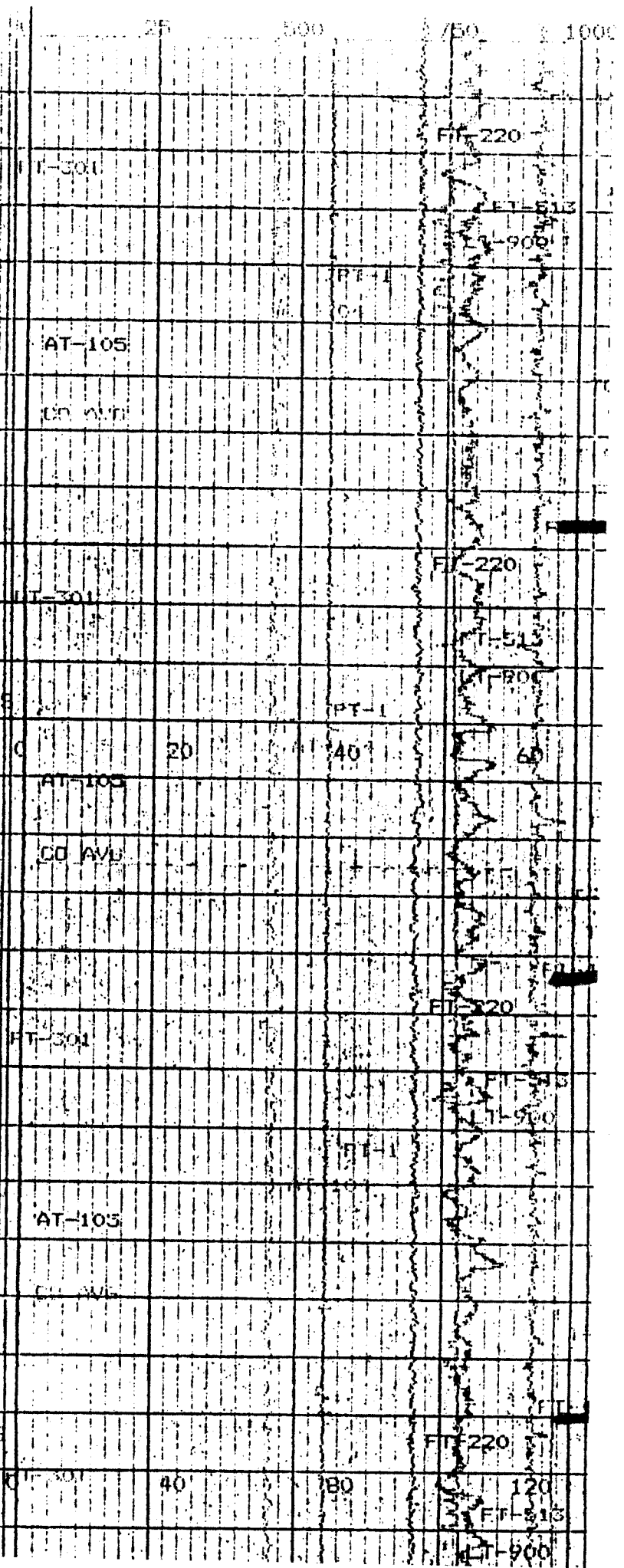
LT-900 TAR TANK LEVEL

01)	7.5	PPM	BOILER 1 CO READING
02)	7.65	%	BOILER 1 O2 READING
03)	73.0	PSIG	BOILER 1 RECY PRESS
04)	52.0	%	TAR TANK LEVEL
05)	776	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2819.1	CFM	BOILER 1 AIR FLOW
08)	[redacted]	PPM	TAR FLOW
09)	2003.1	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	125.32	°C	T-900 TEMP
13)	33.01	Hz.	Fan Drive Freq
001)	7.5	PPM	CO ROLLING AVERAGE
002)	2000.6	DEG F	TEMP ROLLING AVERAGE
003)	1.2		Tar Flow Hr Avg
T01)	507	Gal	Tar Flow Total
T02)	0	CFM	NG TOTAL FLOW X 10

07:00:00 12/17/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

KIM W 1ST 12/17/92 04:50:34



02) 430 CFM NG TOTAL FLOW X 10
12:00:00 12/17/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

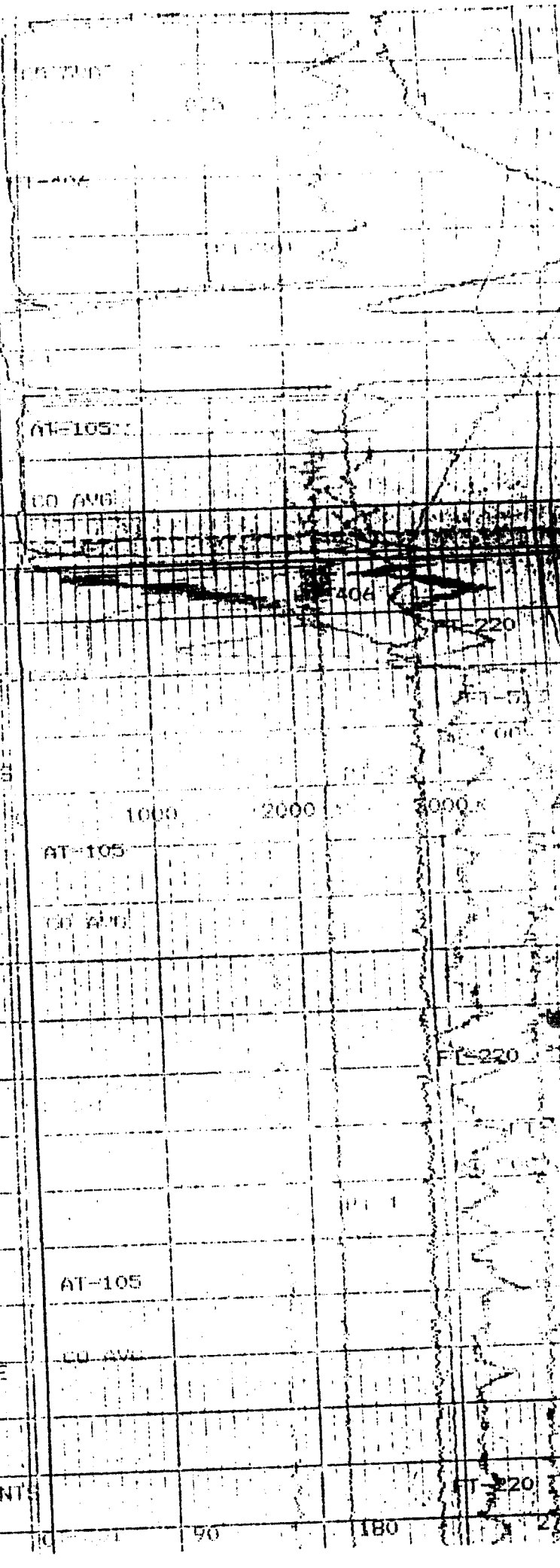
01)	8.1 PPM	BOILER 1 CO READING
02)	7.45 %	BOILER 1 O2 READING
03)	73.4 PSIG	BOILER 1 RECY PRESS
04)	47.8 %	TAR TANK LEVEL
05)	825 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2833.5 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	2009.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.48 °C	T-900 TEMP
13)	33.08 Hz.	Fan Drive Freq
001)	8.1 PPM	CO ROLLING AVERAGE
002)	2009.1 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
T01)	797 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

11:00:00 12/17/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	8.1 PPM	BOILER 1 CO READING
02)	7.68 %	BOILER 1 O2 READING
03)	72.8 PSIG	BOILER 1 RECY PRESS
04)	49.0 %	TAR TANK LEVEL
05)	796 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2825.0 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	2008.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	OFF	Channel number 11
12)	125.42 °C	T-900 TEMP
13)	33.24 Hz.	Fan Drive Freq
001)	8.1 PPM	CO ROLLING AVERAGE
002)	2008.7 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
T01)	724 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

10:00:00 12/17/92 JOB LOG BOILER 1 POINTS



CO AVG 1 ROLLING AVERAGE

01)	6.9	PPM	BOILER 1 CO READING
02)	8.10	%	BOILER 1 O2 READING
03)	67.2	PSIG	BOILER 1 RECY PRESS
04)	85.3	%	TAR TANK LEVEL
05)	680	#/HR	BOILER STM FLOW X 10
06)	111.0	CFM	NG FLOW FT-301
07)	2150.9	CFM	BOILER 1 AIR FLOW
08)	[redacted]		TAR FLOW
09)	1946.0	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	129.40	°C	T-900 TEMP
13)	25.51	Hz.	Fan Drive Freq
D01)	6.1	PPM	CO ROLLING AVERAGE
D02)	1947.1	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	814	Gal	Tar Flow Total
T02)	1674	CFM	NG TOTAL FLOW X 10

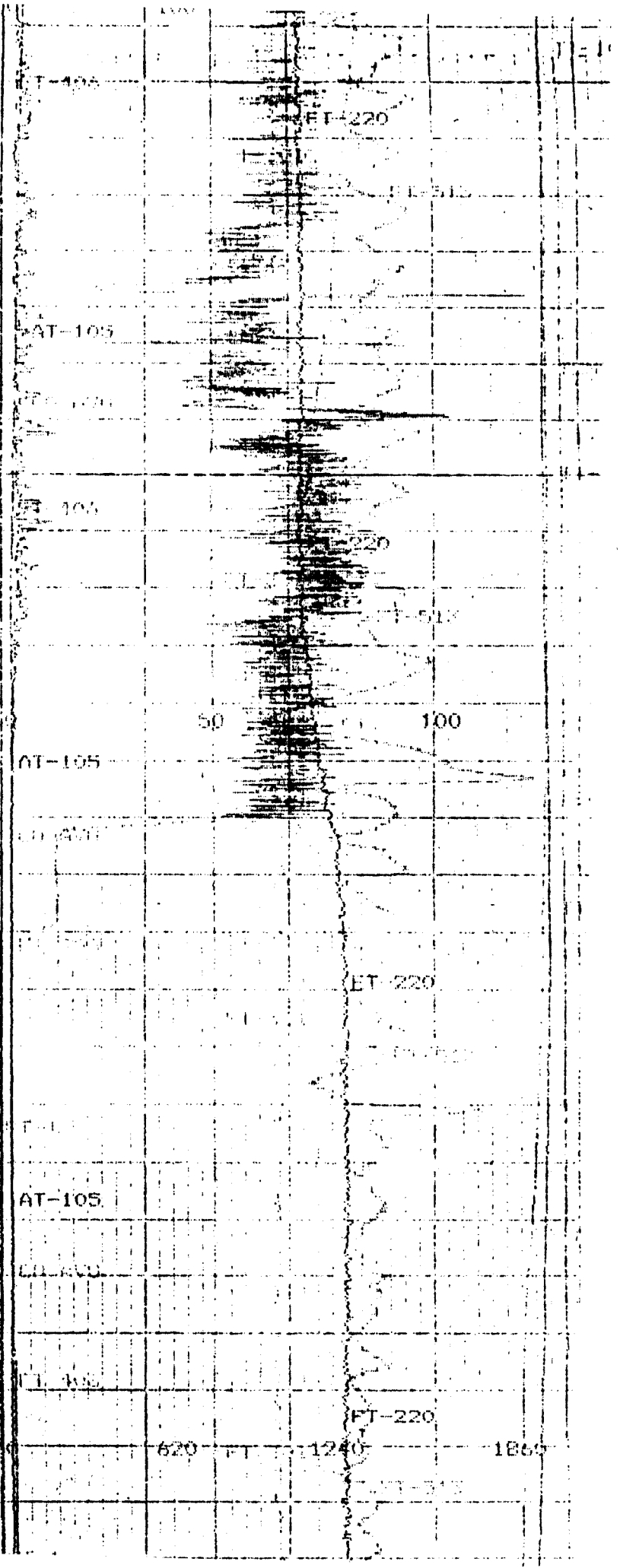
14:00:00 12/17/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	6.4	PPM	BOILER 1 CO READING
02)	8.04	%	BOILER 1 O2 READING
03)	-0.3	PSIG	BOILER 1 RECY PRESS
04)	86.0	%	TAR TANK LEVEL
05)	624	#/HR	BOILER STM FLOW X 10
06)	111.0	CFM	NG FLOW FT-301
07)	2386.3	CFM	BOILER 1 AIR FLOW
08)	[redacted]	M	TAR FLOW
09)	1927.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	OFF		Channel number 11
12)	130.11	°C	T-900 TEMP
13)	28.32	Hz.	Fan Drive Freq
D01)	8.2	PPM	CO ROLLING AVERAGE
D02)	1862.1	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	814	Gal	Tar Flow Total
T02)	1007	CFM	NG TOTAL FLOW X 10

13:00:00 12/17/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP



T01) 814 Gal Tar Flow Total
T02) 4321 CFM NG TOTAL FLOW X 10
18:00:00 12/17/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

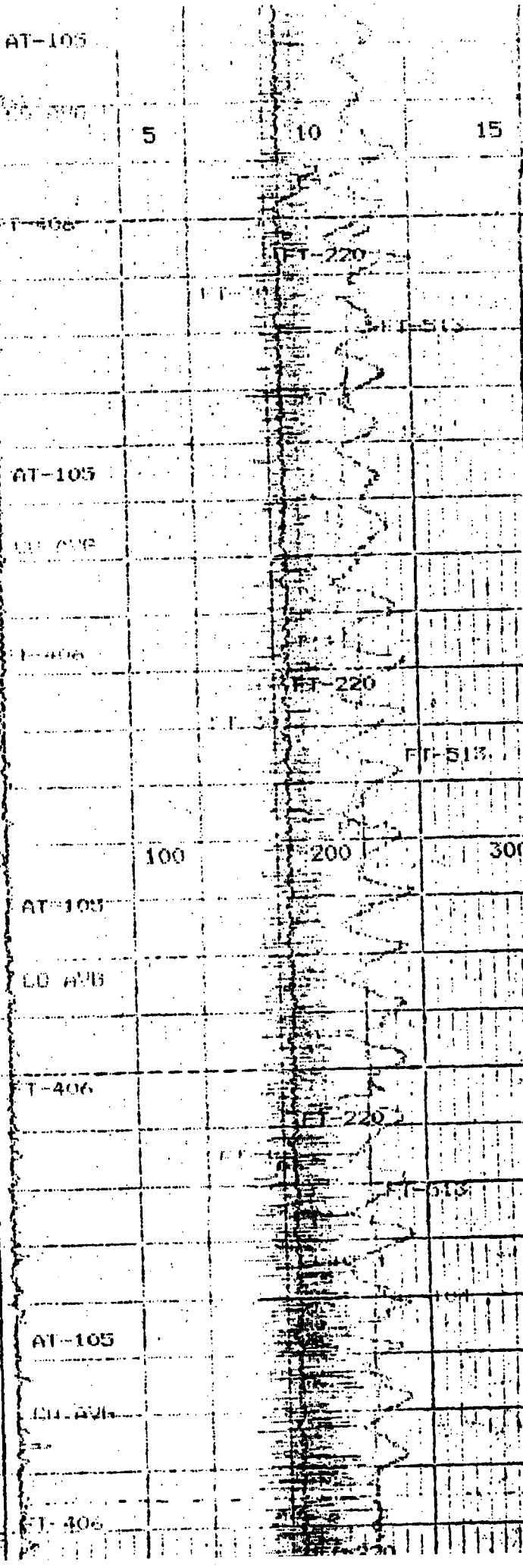
01)	13.0 PPM	BOILER 1 CO READING
02)	10.84 %	BOILER 1 O2 READING
03)	71.2 PSIG	BOILER 1 RECY PRESS
04)	85.3 %	TAR TANK LEVEL
05)	623 #/HR	BOILER STM FLOW X 10
06)	110.9 CFM	NG FLOW FT-301
07)	2065.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1944.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	128.42 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
D01)	10.2 PPM	CO ROLLING AVERAGE
D02)	1943.2 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	814 Gal	Tar Flow Total
T02)	3659 CFM	NG TOTAL FLOW X 10

17:00:00 12/17/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	12.3 PPM	BOILER 1 CO READING
02)	10.84 %	BOILER 1 O2 READING
03)	71.5 PSIG	BOILER 1 RECY PRESS
04)	85.3 %	TAR TANK LEVEL
05)	636 #/HR	BOILER STM FLOW X 10
06)	109.9 CFM	NG FLOW FT-301
07)	2087.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1943.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	128.39 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
D01)	9.7 PPM	CO ROLLING AVERAGE
D02)	1939.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	814 Gal	Tar Flow Total
T02)	2995 CFM	NG TOTAL FLOW X 10

16:00:00 12/17/92 JOB LOG BOILER 1 POINTS



01)	5.2 PPM	BOILER 1 CO READING
02)	13.01 %	BOILER 1 O2 READING
03)	72.9 PSIG	BOILER 1 RECY PRESS
04)	85.3 %	TAR TANK LEVEL
05)	638 #/HR	BOILER STM FLOW X 10
06)	109.2 CFM	NG FLOW FT-301
07)	2384.9 CFM	BOILER 1 AIR FLOW
08)	[illegible] GPM	TAR FLOW
09)	1980.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	127.39 °C	T-900 TEMP
13)	28.55 Hz.	Fan Drive Freq
D01)	6.1 PPM	CO ROLLING AVERAGE
D02)	1966.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	814 Gal	Tar Flow Total
T02)	5644 CFM	NG TOTAL FLOW X 10

20:00:00 12/17/92 JOB LOG BOILER 1 POINTS

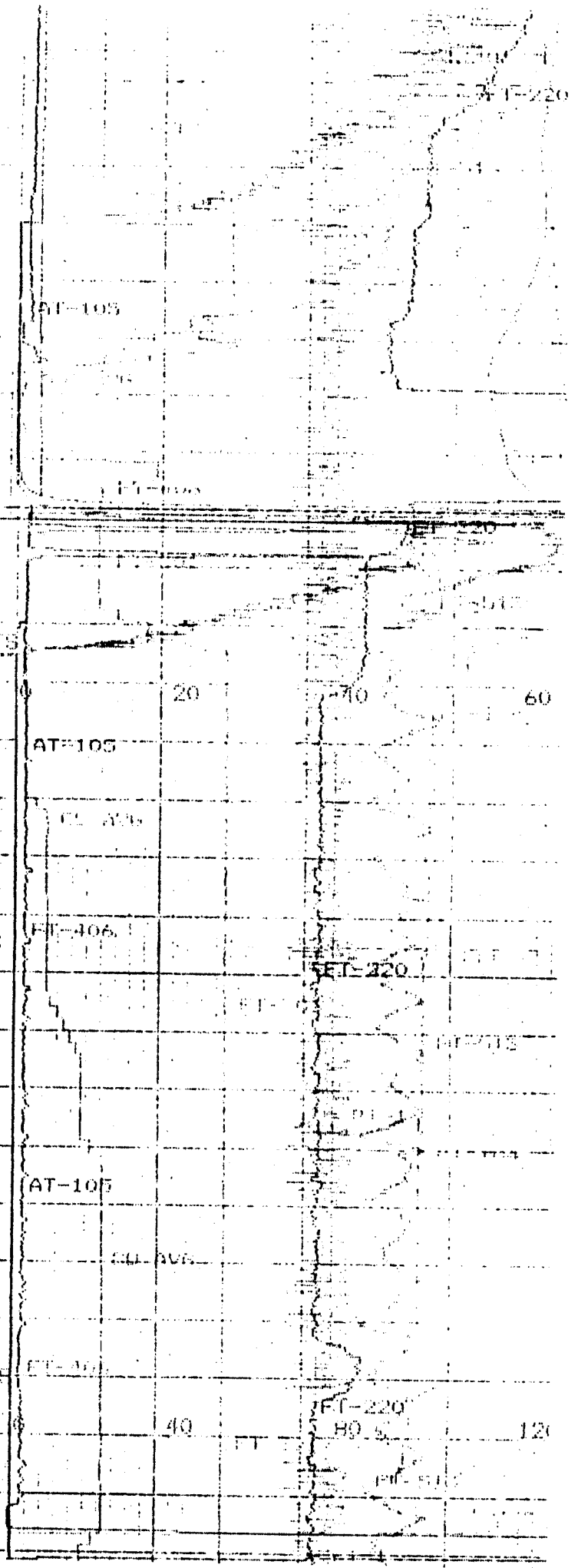
LT-900 TAR TANK LEVEL

01)	5.2 PPM	BOILER 1 CO READING
02)	11.93 %	BOILER 1 O2 READING
03)	75.9 PSIG	BOILER 1 RECY PRESS
04)	85.4 %	TAR TANK LEVEL
05)	657 #/HR	BOILER STM FLOW X 10
06)	109.3 CFM	NG FLOW FT-301
07)	2321.6 CFM	BOILER 1 AIR FLOW
08)	[illegible] GPM	TAR FLOW
09)	1962.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	127.95 °C	T-900 TEMP
13)	27.38 Hz.	Fan Drive Freq
D01)	52.5 PPM	CO ROLLING AVERAGE
D02)	1956.3 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	814 Gal	Tar Flow Total
T02)	4988 CFM	NG TOTAL FLOW X 10

19:00:00 12/17/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01) 5.2 PPM BOILER 1 CO READING



D01 99.2 PPM CO ROLLING AVERAGE
D02 1961.8 DEG F TEMP ROLLING AVERAGE
D03 0.2 Tar Flow Hr Avg
T01 970 Gal Tar Flow Total
T02 7160 CFM NG TOTAL FLOW X 10
00:00:00 12/18/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

17.3m

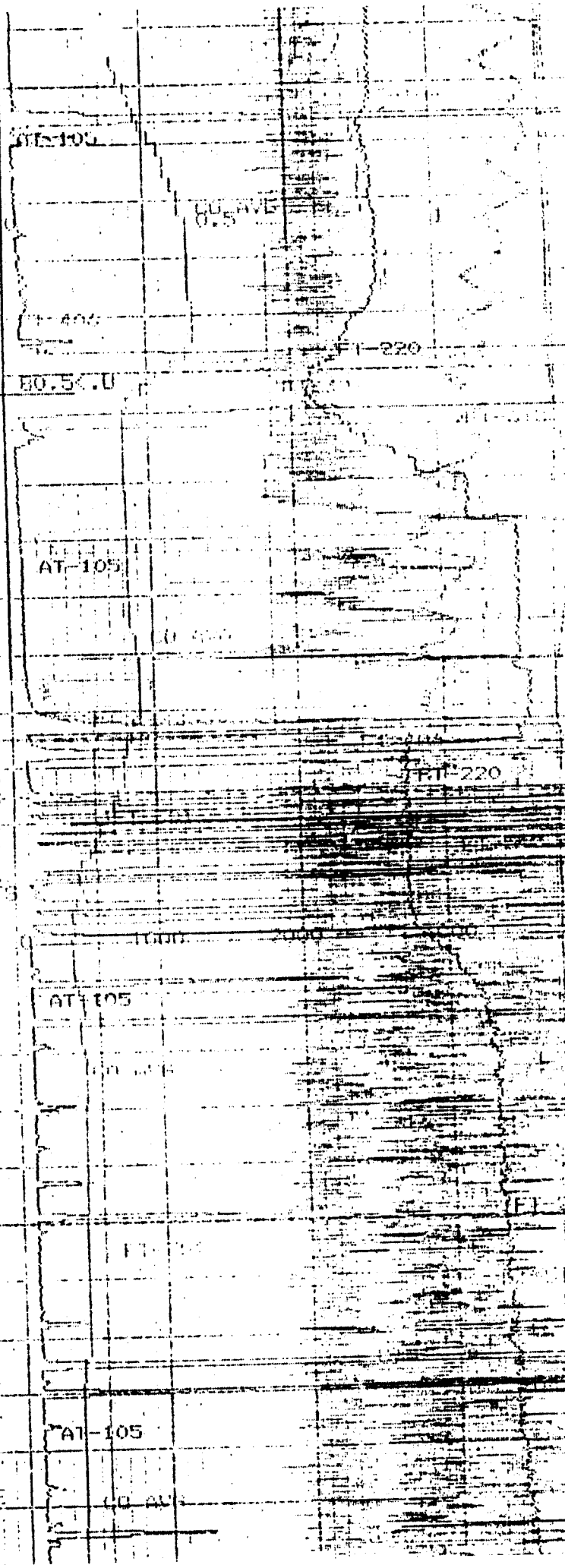
01) 65.1 PPM BOILER 1 CO READING
02) 11.20 % BOILER 1 O2 READING
CO HRLY AVG 23:42:24 12/17/92 CO AVG
03) 75.0 PSIG BOILER 1 RECY PRESS
04) 83.4 % TAR TANK LEVEL
05) 912 #/HR BOILER STM FLOW X 10
06) 43.0 CFM NG FLOW FT-301
07) 2735.7 CFM BOILER 1 AIR FLOW
08) [redacted] TAR FLOW
09) 1948.4 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.52 °C T-900 TEMP
13) 32.55 Hz. Fan Drive Freq
D01) 35.6 PPM CO ROLLING AVERAGE
D02) 1932.6 DEG F TEMP ROLLING AVERAGE
D03) 0.9 Tar Flow Hr Avg
T01) 956 Gal Tar Flow Total
T02) 6454 CFM NG TOTAL FLOW X 10
23:00:00 12/17/92 JOB LOG BOILER 1 POINTS

17.4m

FT-220 BOILER 1 AIR FLOW

01) 9.4 PPM BOILER 1 CO READING
02) 12.72 % BOILER 1 O2 READING
03) 71.7 PSIG BOILER 1 RECY PRESS
04) 84.1 % TAR TANK LEVEL
05) 836 #/HR BOILER STM FLOW X 10
06) 43.0 CFM NG FLOW FT-301
07) 3560.7 CFM BOILER 1 AIR FLOW
08) [redacted] TAR FLOW
09) 1916.5 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 126.16 °C T-900 TEMP
13) 42.41 Hz. Fan Drive Freq
D01) 24.3 PPM CO ROLLING AVERAGE
D02) 1920.6 DEG F TEMP ROLLING AVERAGE
D03) 0.9 Tar Flow Hr Avg
T01) 899 Gal Tar Flow Total

17.5m



17.0m

D01)	6.1	PPM	CO ROLLING AVERAGE
D02)	1743.3	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	1773	CFM	NG TOTAL FLOW X 10

02:00:00 12/18/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	6.3	PPM	BOILER 1 CO READING
02)	10.64	%	BOILER 1 O2 READING
03)	71.8	PSIG	BOILER 1 RECY PRESS
04)	83.3	%	TAR TANK LEVEL
05)	885	#/HR	BOILER STM FLOW X 10
06)	147.0	CFM	NG FLOW FT-301
07)	2610.2	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	1940.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.47	°C	T-900 TEMP
13)	31.14	Hz.	Fan Drive Freq
D01)	10.8	PPM	CO ROLLING AVERAGE
D02)	1936.3	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	887	CFM	NG TOTAL FLOW X 10

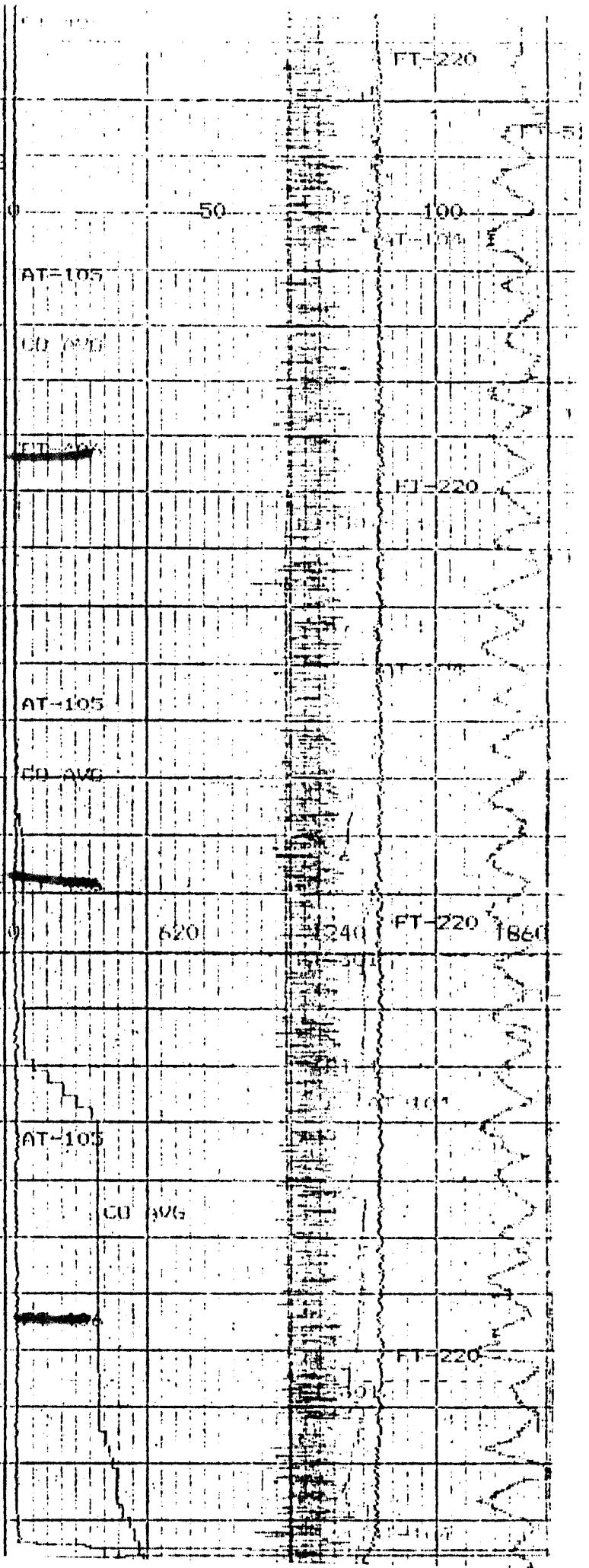
01:00:00 12/18/92 JOB LOG BOILER 1 POINTS

17.1m

TT-106 BOILER 1 CHAMB TEMP

01)	7.0	PPM	BOILER 1 CO READING
02)	10.38	%	BOILER 1 O2 READING
03)	71.2	PSIG	BOILER 1 RECY PRESS
04)	83.1	%	TAR TANK LEVEL
05)	883	#/HR	BOILER STM FLOW X 10
06)	148.9	CFM	NG FLOW FT-301
07)	2570.2	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	1939.3	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.49	°C	T-900 TEMP
13)	30.67	Hz.	Fan Drive Freq
D01)	99.2	PPM	CO ROLLING AVERAGE
D02)	1961.8	DEG F	TEMP ROLLING AVERAGE
D03)	0.2		Tar Flow Hr Avg
T01)	970	Gal	Tar Flow Total

17.2m



12)	125.45 °C	T-900 TEMP
13)	31.61 Hz.	Fan Drive Freq
D01)	6.3 PPM	CO ROLLING AVERAGE
D02)	1956.3 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	4453 CFM	NG TOTAL FLOW X 10

05:00:00 12/18/92 JOB LOG BOILER 1 POINTS

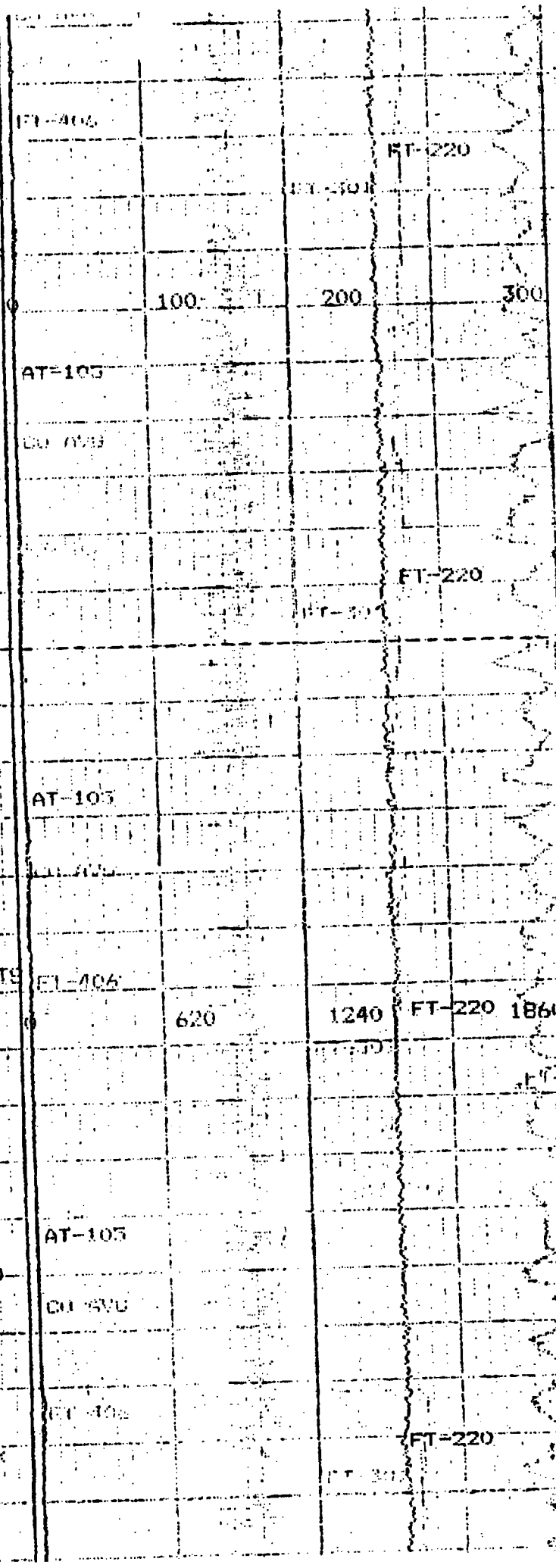
AT-105 BOILER 1 CO READING

01)	6.4 PPM	BOILER 1 CO READING
02)	10.96 %	BOILER 1 O2 READING
03)	51.5 PSIG	BOILER 1 RECY PRESS
04)	83.2 %	TAR TANK LEVEL
05)	896 #/HR	BOILER STM FLOW X 10
06)	149.0 CFM	NG FLOW FT-301
07)	2614.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1955.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.46 °C	T-900 TEMP
13)	31.61 Hz.	Fan Drive Freq
D01)	6.2 PPM	CO ROLLING AVERAGE
D02)	1951.3 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	3560 CFM	NG TOTAL FLOW X 10

04:00:00 12/18/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	6.2 PPM	BOILER 1 CO READING
02)	11.14 %	BOILER 1 O2 READING
03)	74.6 PSIG	BOILER 1 RECY PRESS
04)	83.4 %	TAR TANK LEVEL
05)	920 #/HR	BOILER STM FLOW X 10
06)	149.2 CFM	NG FLOW FT-301
07)	2602.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1950.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.46 °C	T-900 TEMP
13)	31.37 Hz.	Fan Drive Freq
D01)	6.2 PPM	CO ROLLING AVERAGE



02)	7110 CFM	NG TOTAL FLOW X 10

08:00 12/18/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

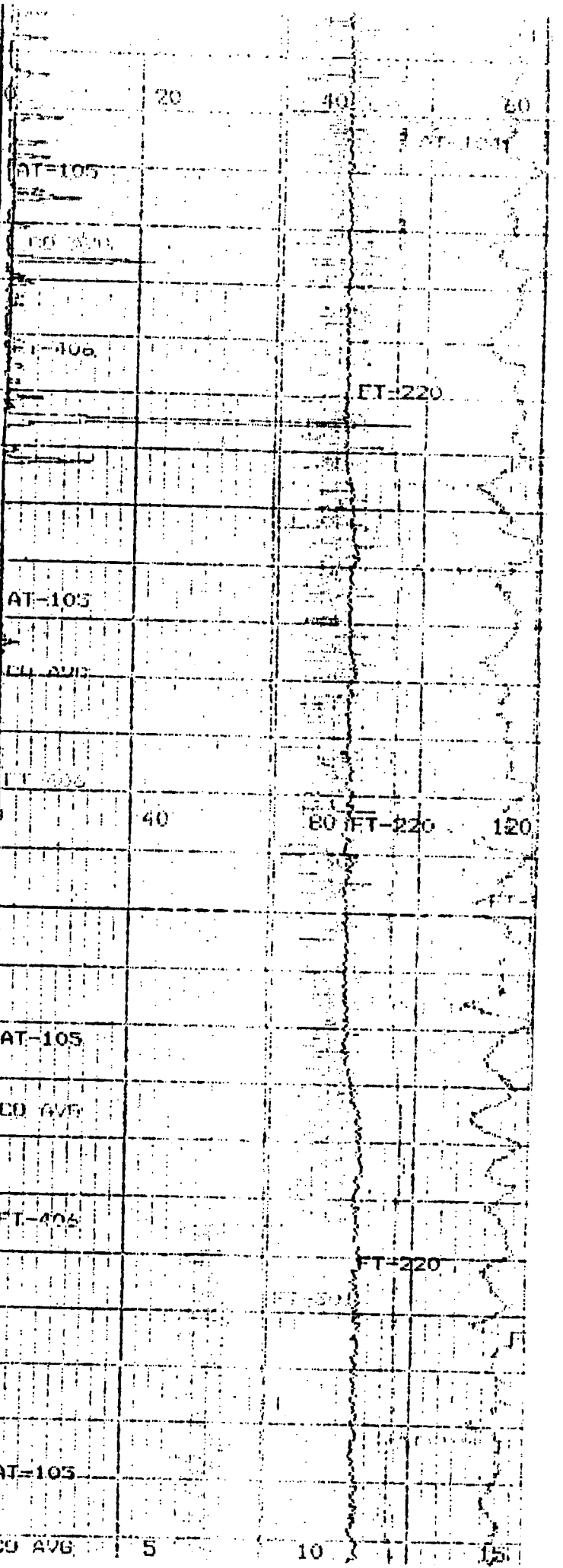
01)	5.8 PPM	BOILER 1 CO READING
02)	11.73 %	BOILER 1 O2 READING
03)	77.9 PSIG	BOILER 1 RECY PRESS
04)	82.9 %	TAR TANK LEVEL
05)	940 #/HR	BOILER STM FLOW X 10
06)	147.3 CFM	NG FLOW FT-301
07)	2476.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1959.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.39 °C	T-900 TEMP
13)	30.67 Hz.	Fan Drive Freq
001)	6.5 PPM	CO ROLLING AVERAGE
002)	1963.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	6229 CFM	NG TOTAL FLOW X 10

07:00:00 12/18/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	7.5 PPM	BOILER 1 CO READING
02)	11.81 %	BOILER 1 O2 READING
03)	47.3 PSIG	BOILER 1 RECY PRESS
04)	83.2 %	TAR TANK LEVEL
05)	890 #/HR	BOILER STM FLOW X 10
06)	148.1 CFM	NG FLOW FT-301
07)	2587.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1965.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.41 °C	T-900 TEMP
13)	31.84 Hz.	Fan Drive Freq
001)	4.7 PPM	CO ROLLING AVERAGE
002)	1960.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5344 CFM	NG TOTAL FLOW X 10

06:00:00 12/18/92 JOB LOG BOILER 1 POINTS



10:00:00 12/18/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	5.6 PPM	BOILER 1 CO READING
02)	10.22 %	BOILER 1 O2 READING
03)	74.4 PSIG	BOILER 1 RECY PRESS
04)	83.1 %	TAR TANK LEVEL
05)	694 #/HR	BOILER STM FLOW X 10
06)	109.7 CFM	NG FLOW FT-301
07)	2061.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1988.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.28 °C	T-900 TEMP
13)	25.03 Hz.	Fan Drive Freq
D01)	5.2 PPM	CO ROLLING AVERAGE
D02)	1985.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	8512 CFM	NG TOTAL FLOW X 10

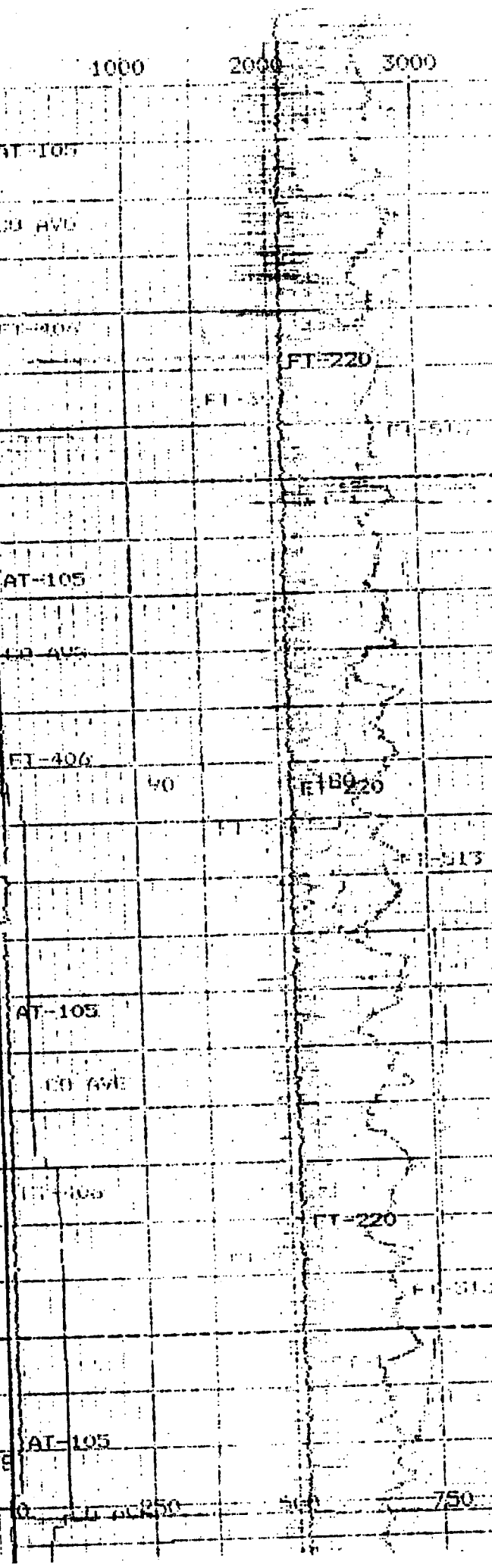
10:00:00 12/18/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	5.1 PPM	BOILER 1 CO READING
02)	11.37 %	BOILER 1 O2 READING
03)	68.7 PSIG	BOILER 1 RECY PRESS
04)	83.2 %	TAR TANK LEVEL
05)	670 #/HR	BOILER STM FLOW X 10
06)	108.4 CFM	NG FLOW FT-301
07)	2055.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1981.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.33 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
D01)	33.9 PPM	CO ROLLING AVERAGE
D02)	1962.2 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	7857 CFM	NG TOTAL FLOW X 10

09:00:00 12/18/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10



Chessell CHART No. GD2441010100

01)	4.9 PPM	BOILER 1 CO READING
02)	7.45 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	100.6 %	TAR TANK LEVEL
05)	666 #/HR	BOILER STM FLOW X 10

cal check mcc 12 18 92

06)	111.8 CFM	NG FLOW FT-301

CO HRLY AVG 13:33:31 12/18/92 CO AVG

07)	2382.9 CFM	BOILER 1 AIR FLOW

~~cal check mcc 12 18 92~~ MCC

08)	-0.00 GPM	TAR FLOW
09)	2059.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.42 °C	T-900 TEMP
13)	28.31 Hz.	Fan Drive Freq
001)	5.5 PPM	CO ROLLING AVERAGE
002)	2063.2 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	10505 CFM	NG TOTAL FLOW X 10

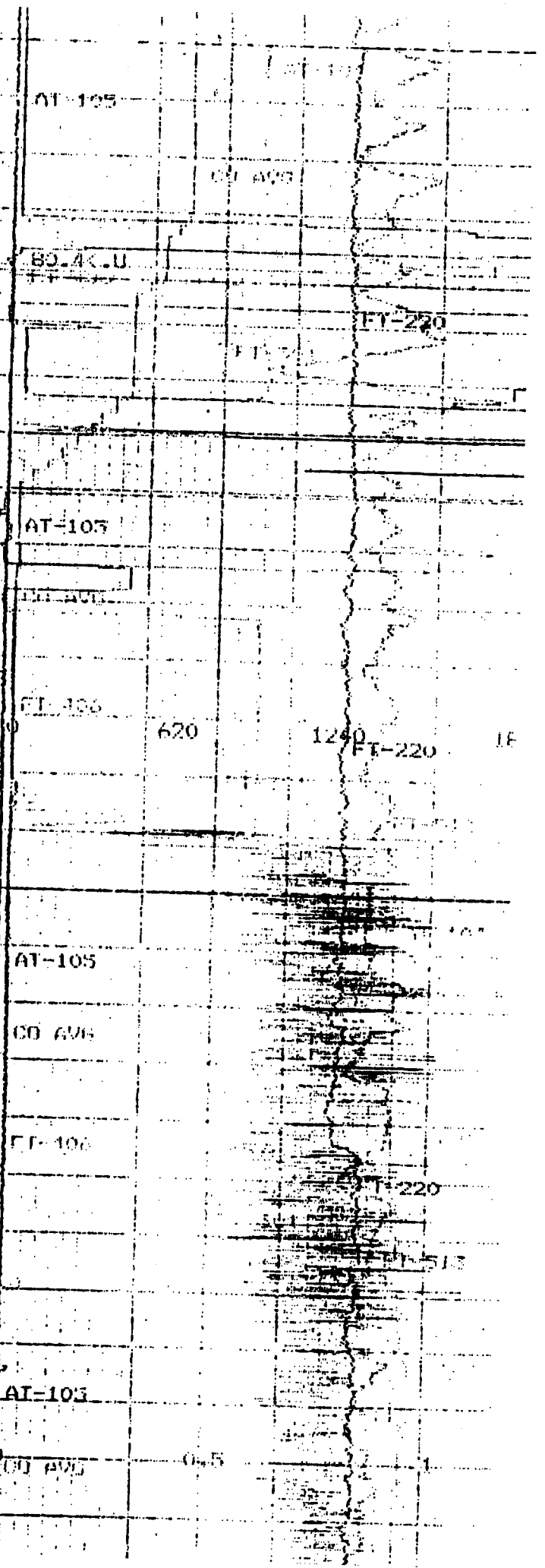
13:00:00 12/18/92 JOB LOG BOILER 1 POINTS

FT-106 BOILER 1 CHAMB TEMP

01)	4.9 PPM	BOILER 1 CO READING
02)	11.93 %	BOILER 1 O2 READING
03)	76.5 PSIG	BOILER 1 RECY PRESS
04)	85.0 %	TAR TANK LEVEL
05)	619 #/HR	BOILER STM FLOW X 10
06)	111.1 CFM	NG FLOW FT-301
07)	2474.6 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2065.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.39 °C	T-900 TEMP
13)	29.96 Hz.	Fan Drive Freq
001)	4.3 PPM	CO ROLLING AVERAGE
002)	2063.0 DEG F	TEMP ROLLING AVERAGE
003)	-0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	9837 CFM	NG TOTAL FLOW X 10

12:00:00 12/18/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW



TEMP TEMP ROLLING AVERAGE

01)	4.2 PPM	BOILER 1 CO READING
02)	7.57 %	BOILER 1 O2 READING
03)	45.3 PSIG	BOILER 1 RECY PRESS
04)	99.7 %	TAR TANK LEVEL
05)	656 #/HR	BOILER STM FLOW X 10
06)	109.6 CFM	NG FLOW FT-301
07)	2358.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2074.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.33 °C	T-900 TEMP
13)	28.31 Hz.	Fan Drive Freq
001)	16.6 PPM	CO ROLLING AVERAGE
002)	2073.3 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	12497 CFM	NG TOTAL FLOW X 10

16:00:00 12/18/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

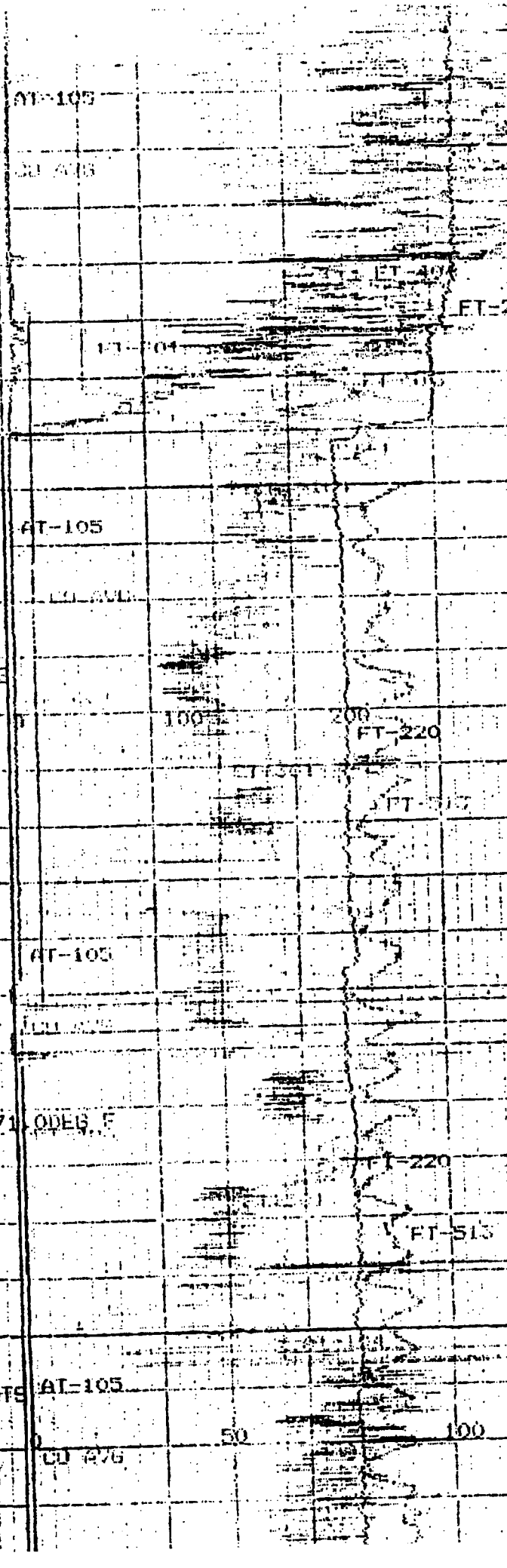
01)	4.6 PPM	BOILER 1 CO READING
02)	7.56 %	BOILER 1 O2 READING
03)	87.6 PSIG	BOILER 1 RECY PRESS
04)	99.7 %	TAR TANK LEVEL
05)	662 #/HR	BOILER STM FLOW X 10
06)	109.7 CFM	NG FLOW FT-301
07)	2318.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2071.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP

TEMP AVG 15:22:22 12/18/92 TEMP AV 2071.0DEG F

11)	CAL MODE	Calibration Interlok
12)	125.35 °C	T-900 TEMP
13)	28.31 Hz.	Fan Drive Freq
001)	4.3 PPM	CO ROLLING AVERAGE
002)	2068.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	11841 CFM	NG TOTAL FLOW X 10

15:00:00 12/18/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP



FT-1 BOILER 1 RECY PRESS

01)	6.9	PPM	BOILER 1 CO READING
02)	7.33	%	BOILER 1 O2 READING
03)	77.7	PSIG	BOILER 1 RECY PRESS
04)	97.8	%	TAR TANK LEVEL
05)	841	#/HR	BOILER STM FLOW X 10
06)	42.9	CFM	NG FLOW FT-301
07)	3130.7	CFM	BOILER 1 AIR FLOW
08)	[redacted]		TAR FLOW
09)	1971.4	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.81	°C	T-900 TEMP
13)	36.76	Hz.	Fan Drive Freq
D01)	7.8	PPM	CO ROLLING AVERAGE
D02)	1978.7	DEG F	TEMP ROLLING AVERAGE
D03)	0.9		Tar Flow Hr Avg
T01)	140	Gal	Tar Flow Total
T02)	13426	CFM	NG TOTAL FLOW X 10

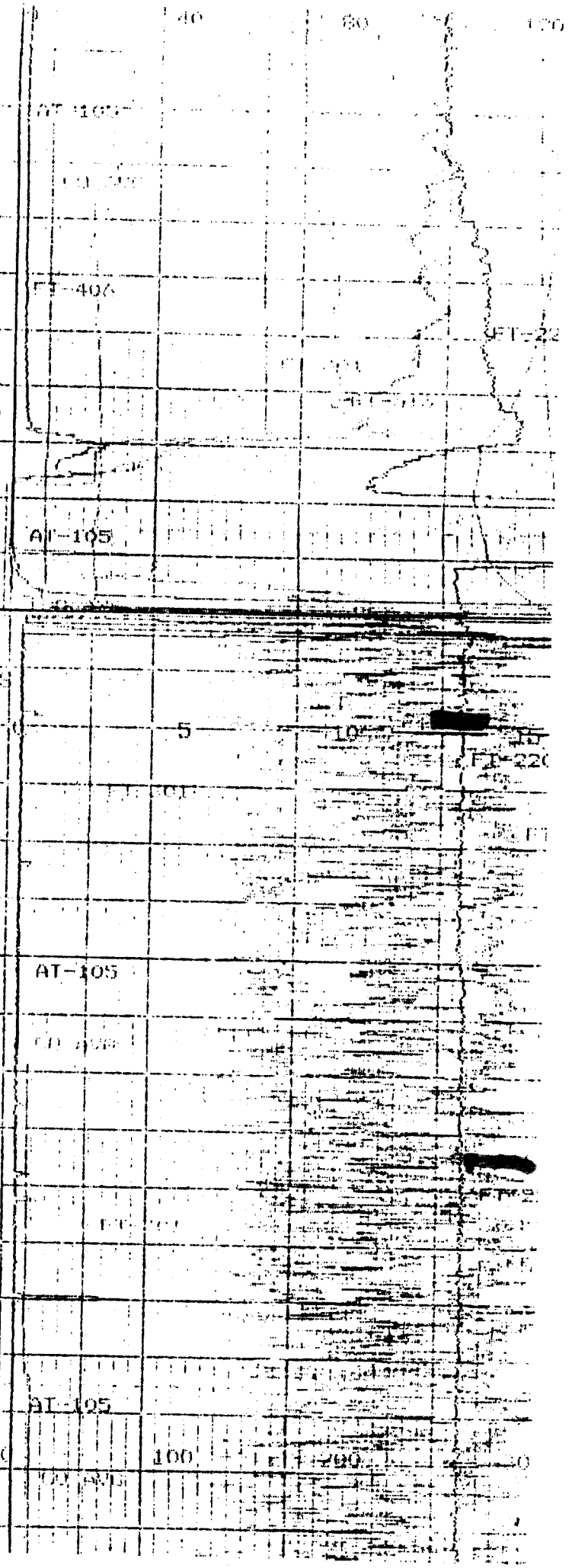
19:00:00 12/18/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	7.5	PPM	BOILER 1 CO READING
02)	7.25	%	BOILER 1 O2 READING
03)	71.9	PSIG	BOILER 1 RECY PRESS
04)	98.6	%	TAR TANK LEVEL
05)	809	#/HR	BOILER STM FLOW X 10
06)	42.9	CFM	NG FLOW FT-301
07)	3144.7	CFM	BOILER 1 AIR FLOW
08)	[redacted]		TAR FLOW
09)	1990.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.51	°C	T-900 TEMP
13)	37.43	Hz.	Fan Drive Freq
D01)	18.4	PPM	CO ROLLING AVERAGE
D02)	2009.7	DEG F	TEMP ROLLING AVERAGE
D03)	0.9		Tar Flow Hr Avg
T01)	86	Gal	Tar Flow Total
T02)	13169	CFM	NG TOTAL FLOW X 10

18:00:00 12/18/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING



D02) 31.7 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 148 Gal Tar Flow Total
T02) 15520 CFM NG TOTAL FLOW X 10
22:00:00 12/18/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

14.5m

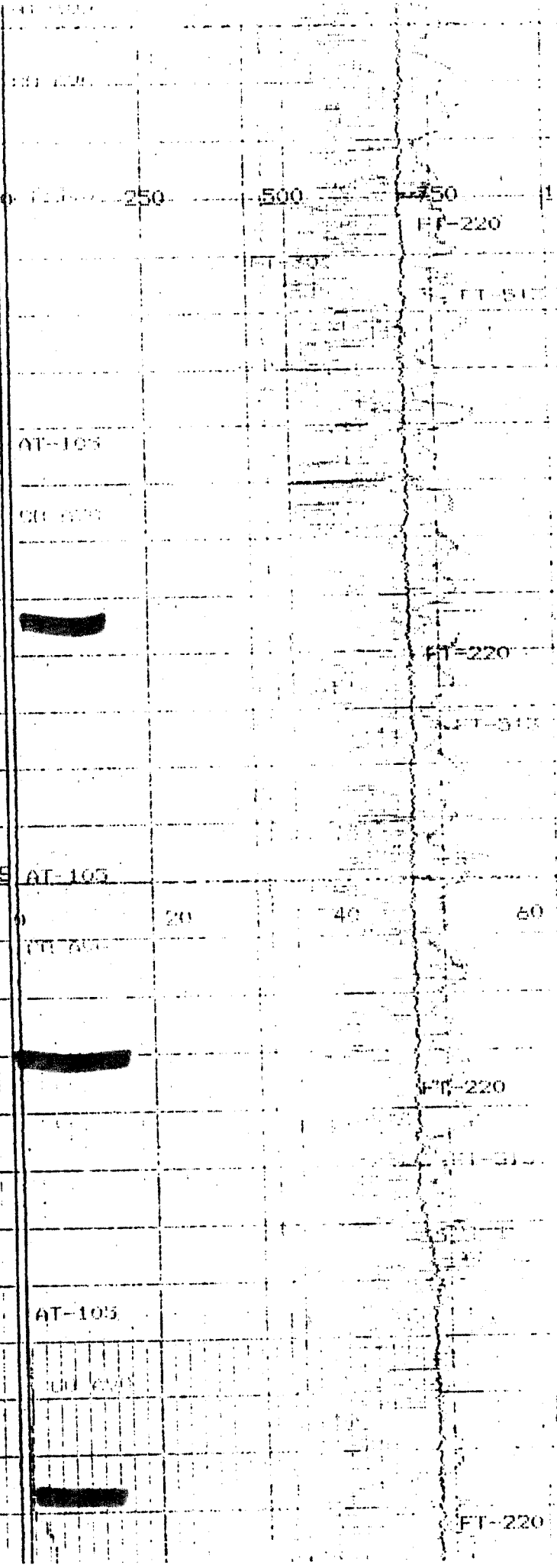
01) 4.9 PPM BOILER 1 CO READING
02) 7.51 % BOILER 1 O2 READING
03) 95.1 PSIG BOILER 1 RECY PRESS
04) 97.7 % TAR TANK LEVEL
05) 788 #/HR BOILER STM FLOW X 10
06) 129.1 CFM NG FLOW FT-301
07) 2773.8 CFM BOILER 1 AIR FLOW
08) [redacted] TAR FLOW
09) 2020.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.31 °C T-900 TEMP
13) 33.47 Hz. Fan Drive Freq
D01) 5.0 PPM CO ROLLING AVERAGE
D02) 2003.1 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 148 Gal Tar Flow Total
T02) 14747 CFM NG TOTAL FLOW X 10
21:00:00 12/18/92 JOB LOG BOILER 1 POINTS

14.6m

FT-900 TAR TANK LEVEL

01) 5.5 PPM BOILER 1 CO READING
02) 8.30 % BOILER 1 O2 READING
03) 51.3 PSIG BOILER 1 RECY PRESS
04) 97.7 % TAR TANK LEVEL
05) 726 #/HR BOILER STM FLOW X 10
06) 129.6 CFM NG FLOW FT-301
07) 2973.5 CFM BOILER 1 AIR FLOW
08) [redacted] TAR FLOW
09) 1977.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.85 °C T-900 TEMP
13) 35.35 Hz. Fan Drive Freq
D01) 19.6 PPM CO ROLLING AVERAGE
D02) 1863.4 DEG F TEMP ROLLING AVERAGE
D03) 0.1 Tar Flow Hr Avg
T01) 148 Gal Tar Flow Total

14.7m



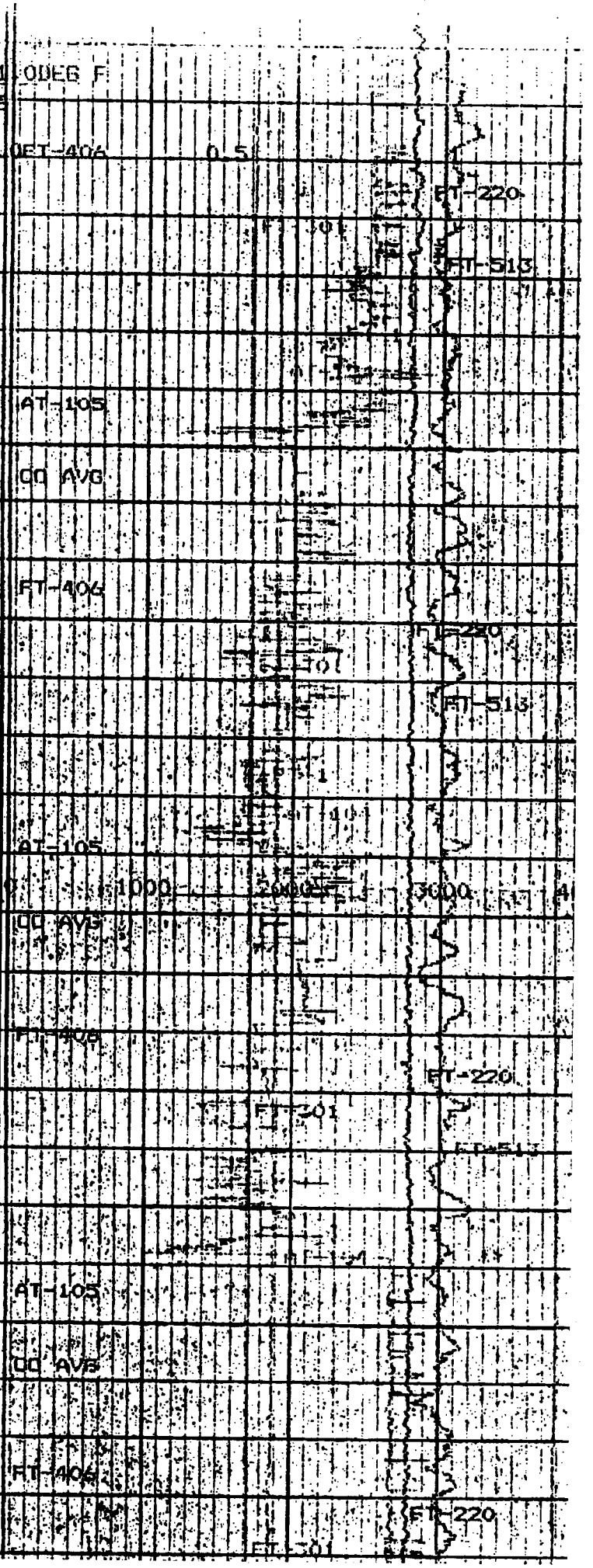
102) 768 CFM NG TOTAL FLOW X 10
TEMP AVG 01:00:22 12/19/92 TEMP AV 2071 DEG F
01:00:00 12/19/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

01) 4.0 PPM BOILER 1 CO READING
02) 7.77 % BOILER 1 O2 READING
03) 62.5 PSIG BOILER 1 RECY PRESS
04) 97.7 % TAR TANK LEVEL
05) 754 #/HR BOILER STM FLOW X 10
06) 128.1 CFM NG FLOW FT-301
07) 2777.2 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2064.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.19 °C T-900 TEMP
13) 33.47 Hz Fan Drive Freq
001) 4.5 PPM CO ROLLING AVERAGE
002) 2062.0 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
101) 148 Gal Tar Flow Total
102) 17059 CFM NG TOTAL FLOW X 10
00:00:00 12/19/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01) 4.5 PPM BOILER 1 CO READING
02) 7.65 % BOILER 1 O2 READING
03) 68.1 PSIG BOILER 1 RECY PRESS
04) 97.6 % TAR TANK LEVEL
05) 756 #/HR BOILER STM FLOW X 10
06) 128.2 CFM NG FLOW FT-301
07) 2764.1 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2056.6 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.25 °C T-900 TEMP
13) 33.47 Hz Fan Drive Freq
001) 4.8 PPM CO ROLLING AVERAGE
002) 2049.0 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
101) 148 Gal Tar Flow Total
102) 16290 CFM NG TOTAL FLOW X 10



101)	0 Gal	Tar Flow Total	
T02)	2924 CFM	NG TOTAL FLOW X 10	
04:00:00 12/19/92 JOB LOG BOILER 1 POINTS			

CO AVG CO ROLLING AVERAGE

01)	4.6 PPM	BOILER 1 CO READING	
02)	8.98 %	BOILER 1 O2 READING	
03)	54.2 PSIG	BOILER 1 RECY PRESS	
04)	97.8 %	TAR TANK LEVEL	
05)	461 #/HR	BOILER STM FLOW X 10	
06)	110.5 CFM	NG FLOW FT-301	
07)	2576.8 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2078.2 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.98 °C	T-900 TEMP	
13)	31.13 Hz.	Fan Drive Freq	
001)	4.5 PPM	CO ROLLING AVERAGE	
002)	2078.3 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	2282 CFM	NG TOTAL FLOW X 10	
03:00:00 12/19/92 JOB LOG BOILER 1 POINTS			

T-900 T-900 TEMP

01)	4.5 PPM	BOILER 1 CO READING	
02)	7.68 %	BOILER 1 O2 READING	
03)	95.0 PSIG	BOILER 1 RECY PRESS	
04)	97.8 %	TAR TANK LEVEL	
05)	750 #/HR	BOILER STM FLOW X 10	
06)	130.2 CFM	NG FLOW FT-301	
07)	2793.1 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2077.1 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	126.45 °C	T-900 TEMP	
13)	33.47 Hz.	Fan Drive Freq	
001)	4.4 PPM	CO ROLLING AVERAGE	
002)	2075.2 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	1347 CFM	NG TOTAL FLOW X 10	
02:00:00 12/19/92 JOB LOG BOILER 1 POINTS			

Chessell CHART No. GD244101U100

AT-104 BOILER 1 O2 READING

01)	4.6	PPM	BOILER 1 CO READING
(02)	8.74	%	BOILER 1 O2 READING
03)	119.3	PSIG	BOILER 1 RECY PRESS
04)	97.6	%	TAR TANK LEVEL
05)	569	#/HR	BOILER STM FLOW X 10
06)	100.1	CFM	NG FLOW FT-301
07)	2274.4	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2069.1	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.63	°C	T-900 TEMP
13)	27.85	Hz.	Fan Drive Freq
D01)	4.5	PPM	CO ROLLING AVERAGE
D02)	2068.6	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	4121	CFM	NG TOTAL FLOW X 10

06:00:00 12/19/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	4.6	PPM	BOILER 1 CO READING
02)	8.74	%	BOILER 1 O2 READING
03)	30.0	PSIG	BOILER 1 RECY PRESS
04)	97.7	%	TAR TANK LEVEL
05)	570	#/HR	BOILER STM FLOW X 10
06)	100.0	CFM	NG FLOW FT-301
07)	2274.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2068.0	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.71	°C	T-900 TEMP
13)	27.85	Hz.	Fan Drive Freq
D01)	4.5	PPM	CO ROLLING AVERAGE
D02)	2067.4	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	3521	CFM	NG TOTAL FLOW X 10

05:00:00 12/19/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

Chessell CHART No. GD244101U100

13.0m

10:0) 12/19/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01)	4.6	PPM	BOILER 1 CO READING
02)	9.34	%	BOILER 1 O2 READING
03)	61.8	PSIG	BOILER 1 RECY PRESS
04)	98.0	%	TAR TANK LEVEL
05)	573	#/HR	BOILER STM FLOW X 10
06)	101.0	CFM	NG FLOW FT-301
07)	2462.7	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2080.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
Press in manl 68-92 psi diff			
12)	125.36	°C	T-900 TEMP
13)	29.50	Hz.	Fan Drive Freq
D01)	17.4	PPM	CO ROLLING AVERAGE
D02)	2077.9	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	5931	CFM	NG TOTAL FLOW X 10

09:00:00 12/19/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

13.1m

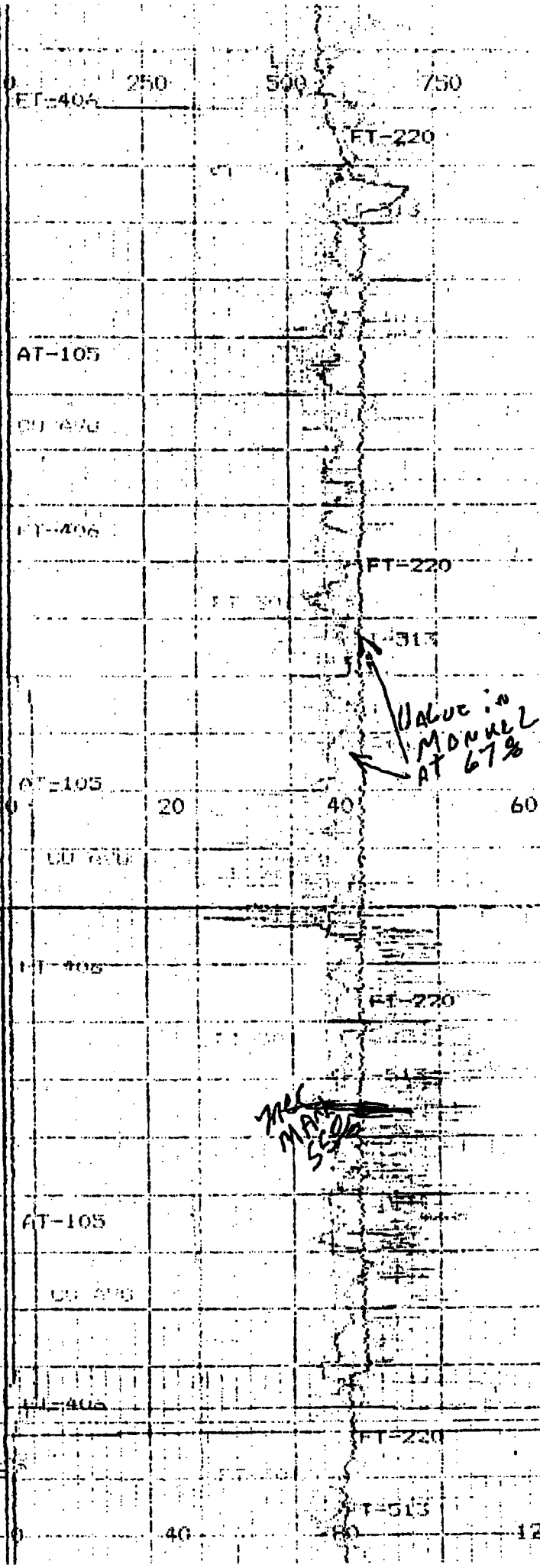
01)	4.8	PPM	BOILER 1 CO READING
02)	8.74	%	BOILER 1 O2 READING
03)	39.6	PSIG	BOILER 1 RECY PRESS
04)	97.6	%	TAR TANK LEVEL
05)	583	#/HR	BOILER STM FLOW X 10
06)	100.8	CFM	NG FLOW FT-301
07)	2330.1	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2072.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.35	°C	T-900 TEMP
13)	28.00	Hz.	Fan Drive Freq
D01)	4.6	PPM	CO ROLLING AVERAGE
D02)	2072.4	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	5325	CFM	NG TOTAL FLOW X 10

13.2m

08:00:00 12/19/92 JOB LOG BOILER 1 POINTS

WARNER 1ST SHIFT 07:57:08 12/19/92

PT-1 BOILER 1 RECY PRESS



FT-406 TAR FLOW

01)	5.6 PPM	BOILER 1 CO READING
02)	8.75 %	BOILER 1 O2 READING
03)	69.7 PSIG	BOILER 1 RECY PRESS
04)	97.8 %	TAR TANK LEVEL
05)	558 #/HR	BOILER STM FLOW X 10
06)	88.6 CFM	NG FLOW FT-301
07)	2089.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1947.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.59 °C	T-900 TEMP
13)	25.03 Hz.	Fan Drive Freq
D01)	6.2 PPM	CO ROLLING AVERAGE
D02)	1822.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	10 Gal	Tar Flow Total
T02)	7336 CFM	NG TOTAL FLOW X 10

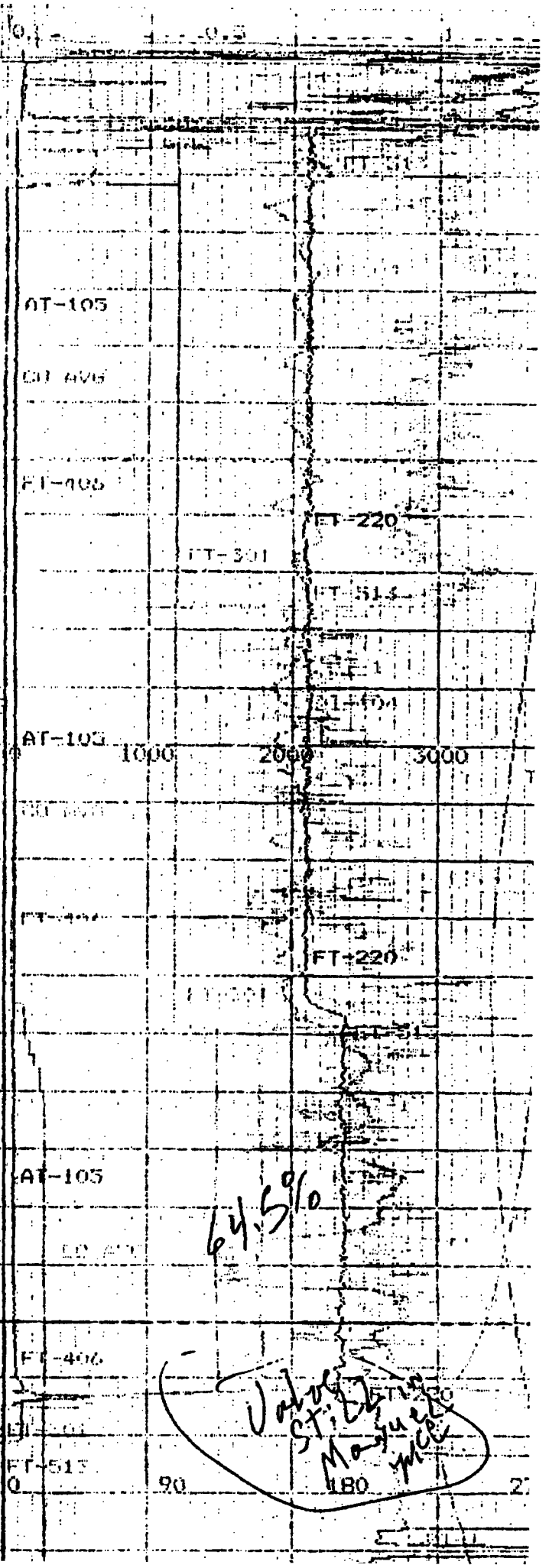
12:00:00 12/19/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	-0.0 PPM	BOILER 1 CO READING
02)	20.73 %	BOILER 1 O2 READING
03)	98.6 PSIG	BOILER 1 RECY PRESS
04)	97.6 %	TAR TANK LEVEL
05)	-3 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2623.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1555.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.54 °C	T-900 TEMP
13)	29.95 Hz.	Fan Drive Freq
D01)	22.9 PPM	CO ROLLING AVERAGE
D02)	1898.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.1	Tar Flow Hr Avg
T01)	10 Gal	Tar Flow Total
T02)	6770 CFM	NG TOTAL FLOW X 10

11:00:00 12/19/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301



Chessell CHART No. GD244101U100

16:00:00 12/19/92 JOB LOG BOILER 1 POINTS

12.2m

CO AVG CO ROLLING AVERAGE

01)	5.2 PPM	BOILER 1 CO READING
02)	7.54 %	BOILER 1 O2 READING
03)	9.8 PSIG	BOILER 1 RECY PRESS
04)	98.8 %	TAR TANK LEVEL
05)	651 #/HR	BOILER STM FLOW X 10
06)	108.6 CFM	NG FLOW FT-301
07)	2336.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1989.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.58 °C	T-900 TEMP
13)	28.09 Hz.	Fan Drive Freq
D01)	5.4 PPM	CO ROLLING AVERAGE
D02)	1965.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	17 Gal	Tar Flow Total
T02)	8797 CFM	NG TOTAL FLOW X 10

15:00:00 12/19/92 JOB LOG BOILER 1 POINTS

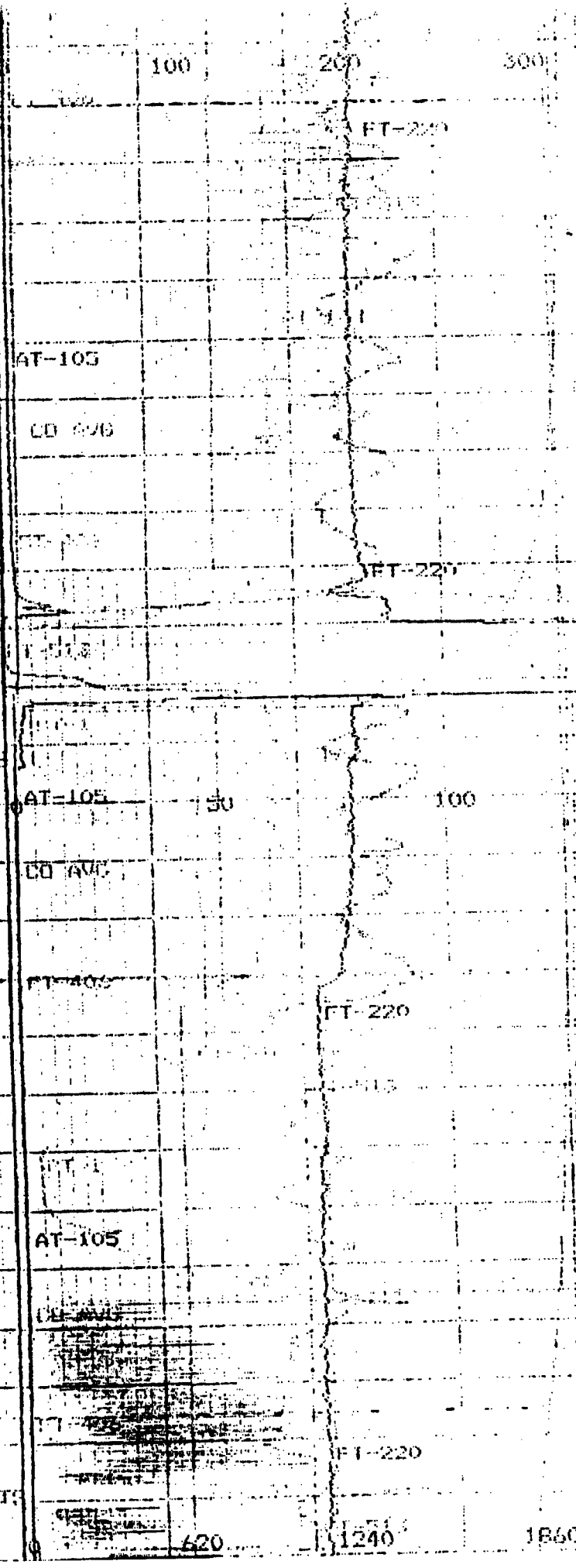
12.3m

T-900 T-900 TEMP

01)	5.6 PPM	BOILER 1 CO READING
02)	8.87 %	BOILER 1 O2 READING
03)	43.5 PSIG	BOILER 1 RECY PRESS
04)	97.9 %	TAR TANK LEVEL
05)	469 #/HR	BOILER STM FLOW X 10
06)	87.9 CFM	NG FLOW FT-301
07)	2103.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1935.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.45 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
D01)	5.4 PPM	CO ROLLING AVERAGE
D02)	1809.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	17 Gal	Tar Flow Total
T02)	8231 CFM	NG TOTAL FLOW X 10

14:00:00 12/19/92 JOB LOG BOILER 1 POINTS

12.4m



AT-104 BOILER 1 O2 READING

01)	5.5	PPM	BOILER 1 CO READING
02)	7.66	%	BOILER 1 O2 READING
03)	7.9	PSIG	BOILER 1 RECY PRESS
04)	98.3	%	TAR TANK LEVEL
05)	648	#/HR	BOILER STM FLOW X 10
06)	108.6	CFM	NG FLOW FT-301
07)	[redacted]	CFM	BOILER 1 AIR FLOW
08)	0.00	[redacted]	TAR FLOW
09)	1940.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.58	°C	T-900 TEMP
13)	28.32	Hz.	Fan Drive Freq
D01)	29.5	PPM	CO ROLLING AVERAGE
D02)	1864.3	DEG F	TEMP ROLLING AVERAGE
D03)	0.2		Tar Flow Hr Avg
101)	34	Gal	Tar Flow Total
102)	10455	CFM	NG TOTAL FLOW X 10

18:00:00 12/19/92 JOB LOG BOILER 1 POINTS

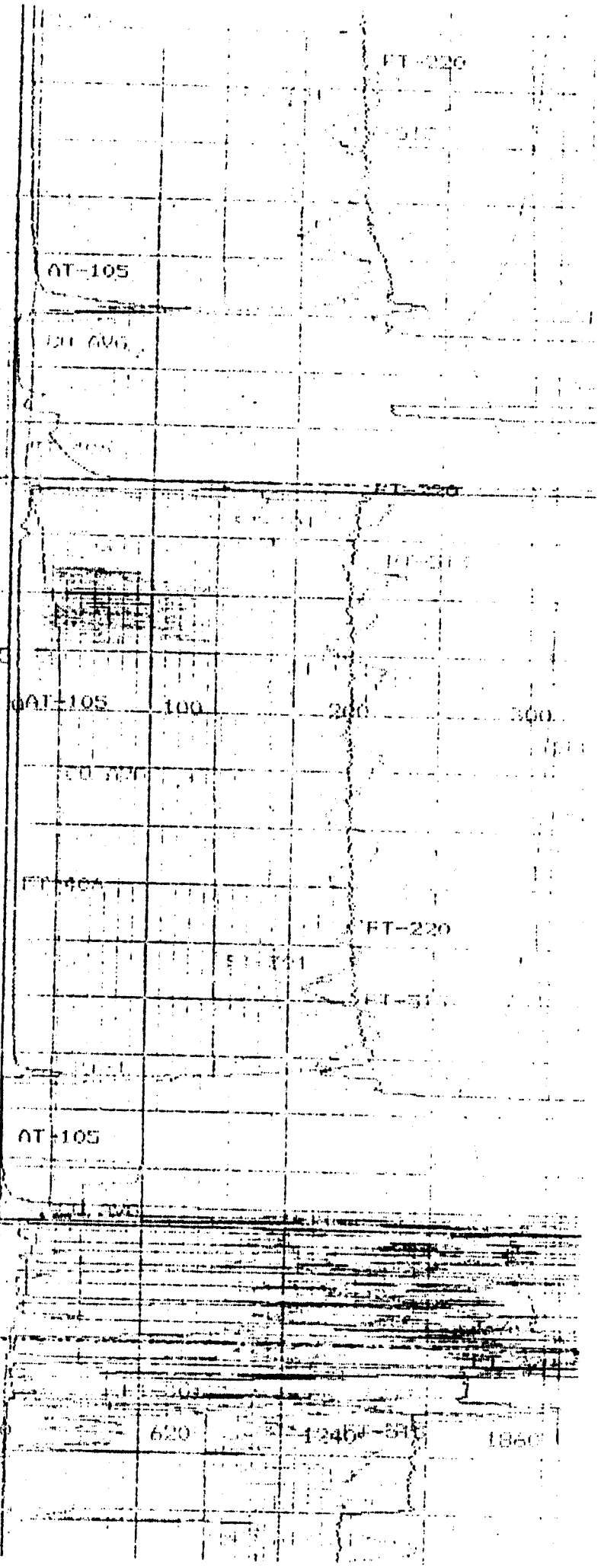
AT-105 BOILER 1 CO READING

01)	18.2	PPM	BOILER 1 CO READING
02)	14.49	%	BOILER 1 O2 READING
03)	46.3	PSIG	BOILER 1 RECY PRESS
04)	98.3	%	TAR TANK LEVEL
05)	650	#/HR	BOILER STM FLOW X 10
06)	58.1	CFM	NG FLOW FT-301
07)	3226.7	CFM	BOILER 1 AIR FLOW
[redacted]		[redacted]	TAR FLOW
09)	1976.7	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.67	°C	T-900 TEMP
13)	37.71	Hz.	Fan Drive Freq
D01)	5.3	PPM	CO ROLLING AVERAGE
D02)	2001.9	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
101)	19	Gal	Tar Flow Total
102)	10027	CFM	NG TOTAL FLOW X 10

17:00:00 12/19/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

VARNER 2ND SHIFT 16:47:48 12/19/92



11.4m

13)	09 Hz.	Fan Drive Freq
D01)	5.0 PPM	CO ROLLING AVERAGE
D02)	2014.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	34 Gal	Tar Flow Total
T02)	12946 CFM	NG TOTAL FLOW X 10

22:00:00 12/19/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

11.5m

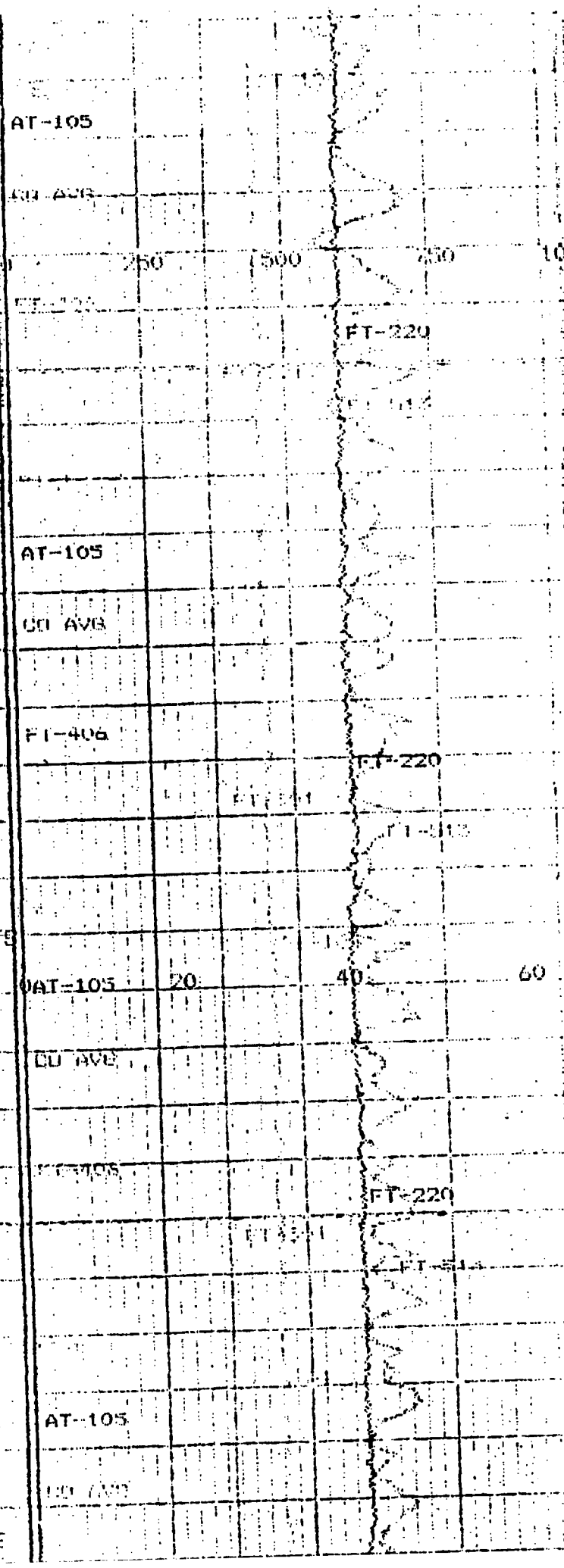
01)	4.8 PPM	BOILER 1 CO READING
02)	7.54 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.0 %	TAR TANK LEVEL
05)	617 #/HR	BOILER STM FLOW X 10
06)	108.8 CFM	NG FLOW FT-301
07)	2322.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2007.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.49 °C	T-900 TEMP
13)	28.32 Hz.	Fan Drive Freq
D01)	5.0 PPM	CO ROLLING AVERAGE
D02)	1996.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	34 Gal	Tar Flow Total
T02)	12291 CFM	NG TOTAL FLOW X 10

21:00:00 12/19/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

11.6m

01)	5.2 PPM	BOILER 1 CO READING
02)	7.63 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.3 %	TAR TANK LEVEL
05)	577 #/HR	BOILER STM FLOW X 10
06)	108.3 CFM	NG FLOW FT-301
07)	2367.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1987.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.55 °C	T-900 TEMP
13)	28.32 Hz.	Fan Drive Freq
D01)	6.1 PPM	CO ROLLING AVERAGE
D02)	1958.8 DEG F	TEMP ROLLING AVERAGE



11)	CA JDE	Calibration Interlok
12)	125.57 °C	T-900 TEMP
13)	28.09 Hz.	Fan Drive Freq
D01)	5.1 PPM	CO ROLLING AVERAGE
D02)	2042.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	34 Gal	Tar Flow Total
T02)	14362 CFM	NG TOTAL FLOW X 10

00:00:00 12/20/92 JOB LOG BOILER 1 POINTS

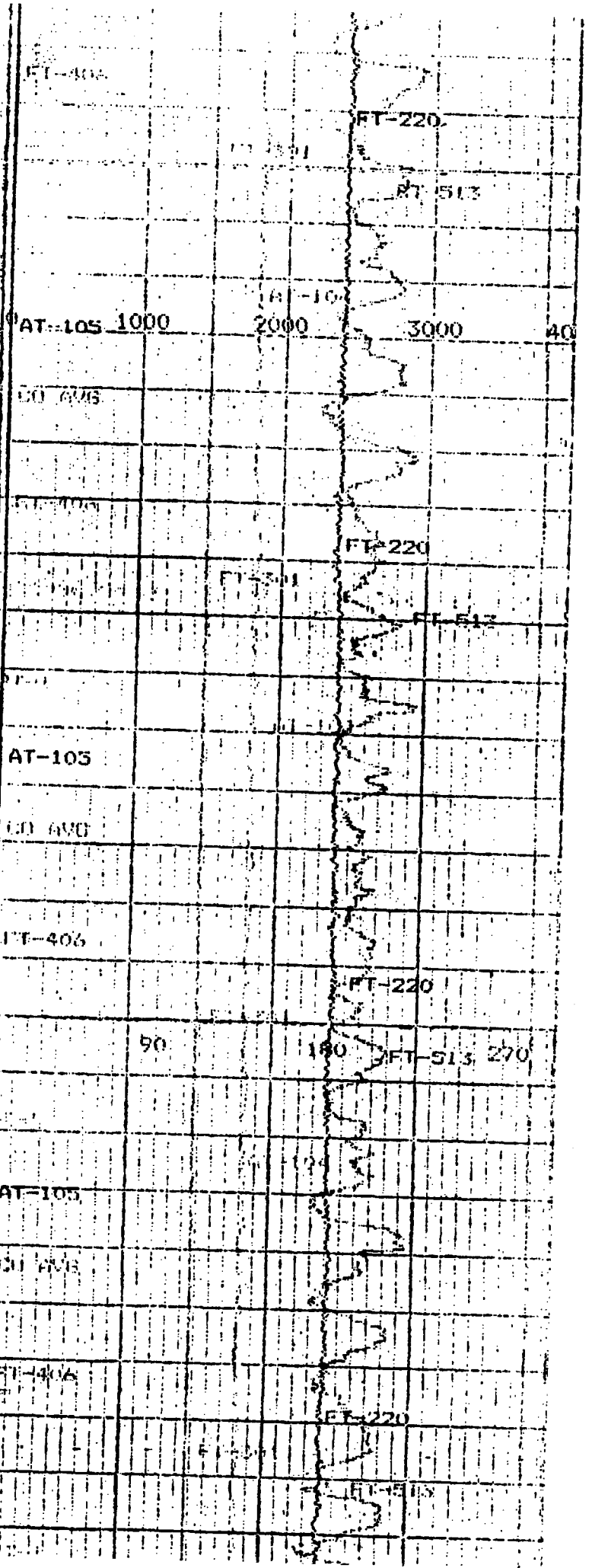
FT-220 BOILER 1 AIR FLOW

01)	5.2 PPM	BOILER 1 CO READING
02)	7.39 %	BOILER 1 O2 READING
03)	-0.0 PSIG	BOILER 1 RECY PRESS
04)	99.4 %	TAR TANK LEVEL
05)	636 #/HR	BOILER STM FLOW X 10
06)	109.8 CFM	NG FLOW FT-301
07)	2384.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2038.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.58 °C	T-900 TEMP
13)	28.32 Hz.	Fan Drive Freq
D01)	5.2 PPM	CO ROLLING AVERAGE
D02)	2030.4 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	34 Gal	Tar Flow Total
T02)	13603 CFM	NG TOTAL FLOW X 10

23:00:00 12/19/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

01)	5.1 PPM	BOILER 1 CO READING
02)	7.48 %	BOILER 1 O2 READING
03)	0.6 PSIG	BOILER 1 RECY PRESS
04)	100.6 %	TAR TANK LEVEL
05)	629 #/HR	BOILER STM FLOW X 10
06)	109.2 CFM	NG FLOW FT-301
07)	2360.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2022.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.54 °C	T-900 TEMP
13)	28.09 Hz.	Fan Drive Freq



02)	9	CFM	NG TOTAL FLOW X 10

03:00:00 12/20/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

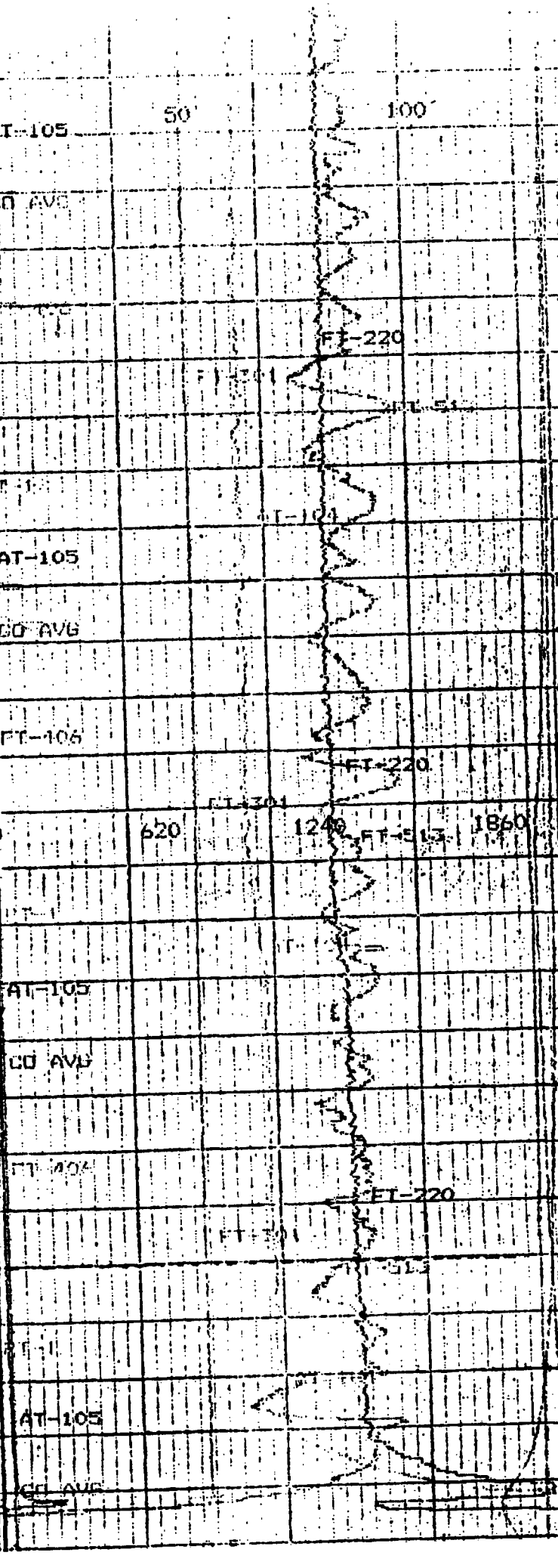
01)	4.9	PPM	BOILER 1 CO READING
02)	7.57	%	BOILER 1 O2 READING
03)	2.5	PSIG	BOILER 1 RECY PRESS
04)	98.7	%	TAR TANK LEVEL
05)	694	#/HR	BOILER STM FLOW X 10
06)	109.6	CFM	NG FLOW FT-301
07)	2400.1	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2026.1	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.52	°C	T-900 TEMP
13)	28.33	Hz.	Fan Drive Freq
001)	5.6	PPM	CO ROLLING AVERAGE
002)	1981.4	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	1220	CFM	NG TOTAL FLOW X 10

02:00:00 12/20/92 JOB LOG BOILER 1 POINTS

FT-106 BOILER 1 CHAMB TEMP

01)	0.5	PPM	BOILER 1 CO READING
02)	20.62	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	100.6	%	TAR TANK LEVEL
05)	5	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2635.2	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	1783.9	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.51	°C	T-900 TEMP
13)	29.96	Hz.	Fan Drive Freq
001)	6.6	PPM	CO ROLLING AVERAGE
002)	2029.1	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	566	CFM	NG TOTAL FLOW X 10

01:00:00 12/20/92 JOB LOG BOILER 1 POINTS



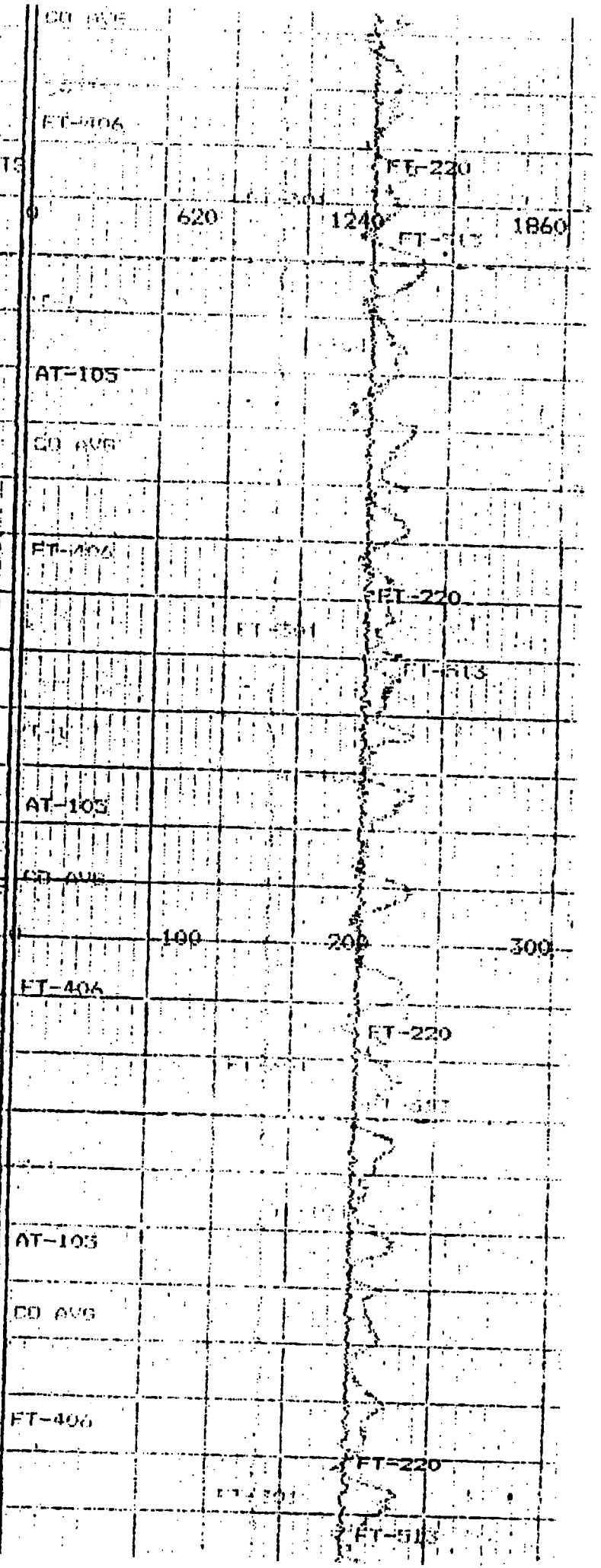
D01) 5.1 PPM CO ROLLING AVERAGE
D02) 2053.9 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3204 CFM NG TOTAL FLOW X 10
05:00:00 12/20/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01) 5.1 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 98.3 % TAR TANK LEVEL
05) 660 #/HR BOILER STM FLOW X 10
06) 110.5 CFM NG FLOW FT-301
07) 2440.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2050.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.52 °C T-900 TEMP
13) 29.03 Hz. Fan Drive Freq
D01) 5.1 PPM CO ROLLING AVERAGE
D02) 2046.8 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 2541 CFM NG TOTAL FLOW X 10
04:00:00 12/20/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01) 4.7 PPM BOILER 1 CO READING
02) 7.54 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 98.6 % TAR TANK LEVEL
05) 602 #/HR BOILER STM FLOW X 10
06) 109.9 CFM NG FLOW FT-301
07) 2432.5 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2041.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.45 °C T-900 TEMP
13) 28.56 Hz. Fan Drive Freq
D01) 5.1 PPM CO ROLLING AVERAGE
D02) 2035.2 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total



002)	58.6 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5088 CFM	NG TOTAL FLOW X 10

08:00:00 12/20/92 JOB LOG BOILER 1 POINTS

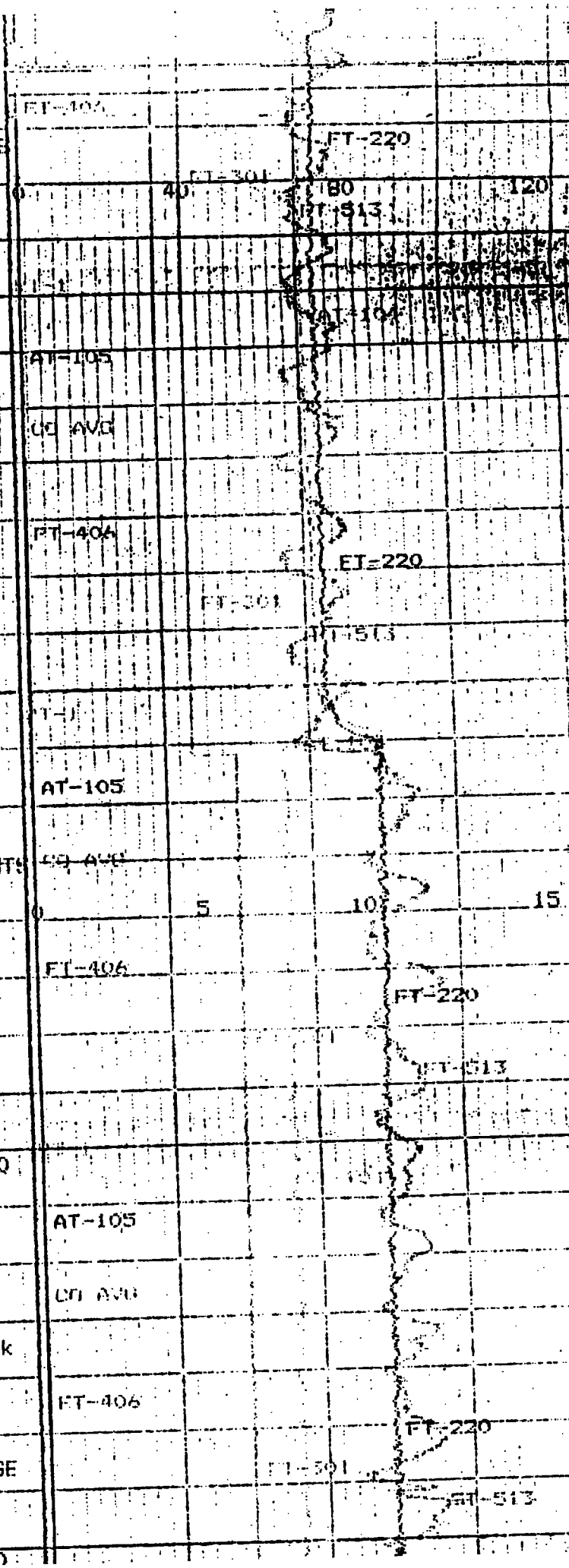
PT-1 BOILER 1 RECY PRESS

01)	5.2 PPM	BOILER 1 CO READING
02)	7.54 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.3 %	TAR TANK LEVEL
05)	613 #/HR	BOILER STM FLOW X 10
06)	111.0 CFM	NG FLOW FT-301
07)	2455.0 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2063.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.70 °C	T-900 TEMP
13)	29.16 Hz.	Fan Drive Freq
001)	5.0 PPM	CO ROLLING AVERAGE
002)	2061.8 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	4534 CFM	NG TOTAL FLOW X 10

07:00:00 12/20/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	4.9 PPM	BOILER 1 CO READING
02)	7.55 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	644 #/HR	BOILER STM FLOW X 10
06)	110.8 CFM	NG FLOW FT-301
07)	2441.1 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2060.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.75 °C	T-900 TEMP
13)	29.03 Hz.	Fan Drive Freq
001)	5.1 PPM	CO ROLLING AVERAGE
002)	2058.5 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	3868 CFM	NG TOTAL FLOW X 10



13)	25.75 Hz.	Fan Drive Freq
D01)	4.7 PPM	CO ROLLING AVERAGE
D02)	2057.2 DEG F	TEMP ROLLING AVERAGE
D03)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	6157 CFM	NG TOTAL FLOW X 10

10:00:00 12/20/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01)	4.7 PPM	BOILER 1 CO READING
02)	8.72 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.0 %	TAR TANK LEVEL
05)	557 #/HR	BOILER STM FLOW X 10
06)	89.1 CFM	NG FLOW FT-301
07)	2174.4 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2059.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.61 °C	T-900 TEMP
13)	25.75 Hz.	Fan Drive Freq
D01)	17.3 PPM	CO ROLLING AVERAGE
D02)	2057.9 DEG F	TEMP ROLLING AVERAGE
D03)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5623 CFM	NG TOTAL FLOW X 10

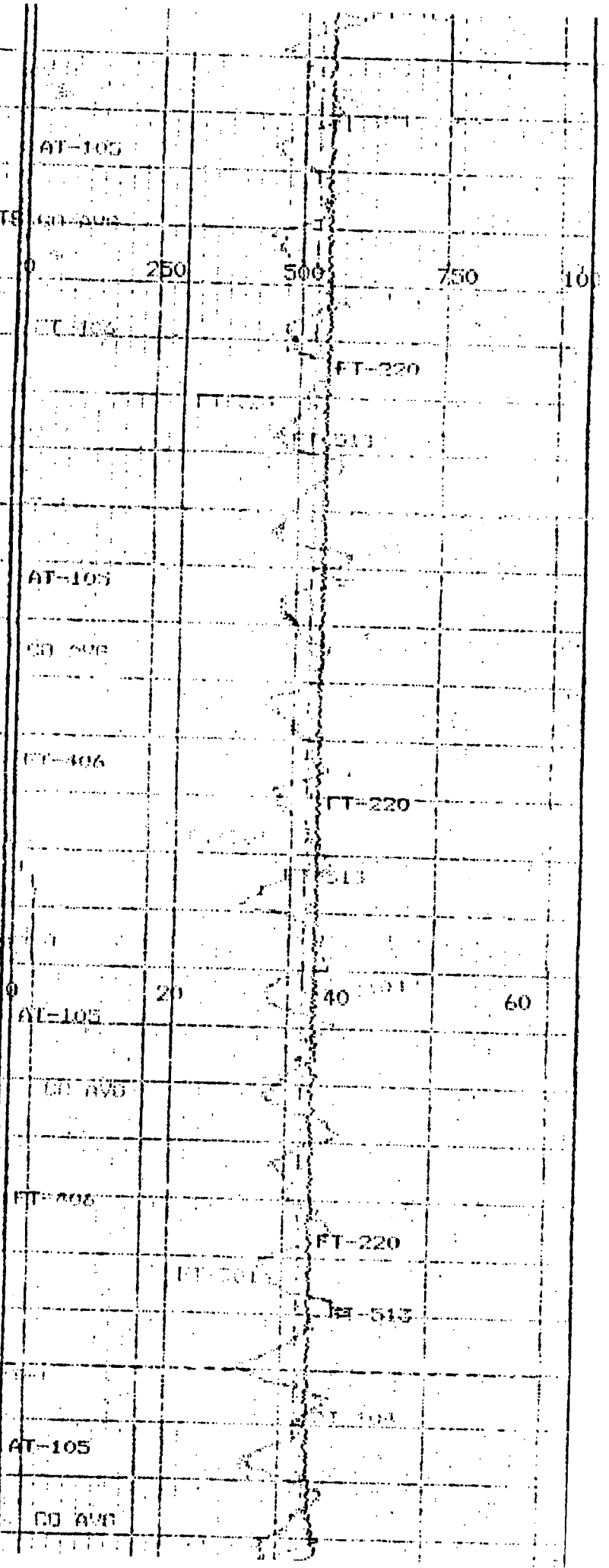
09:00:00 12/20/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01)	5.3 PPM	BOILER 1 CO READING
02)	8.37 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	548 #/HR	BOILER STM FLOW X 10
06)	89.0 CFM	NG FLOW FT-301
07)	2107.0 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2056.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP

VARNER 1ST SHIFT 08:20:31 12/20/92

11)	CAL MODE	Calibration Interlok
12)	125.62 °C	T-900 TEMP
13)	24.91 Hz.	Fan Drive Freq
D01)	5.2 PPM	CO ROLLING AVERAGE
D02)	2058.6 DEG F	TEMP ROLLING AVERAGE



13:00:00 /20/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

01)	4.7	PPM	BOILER 1 CO READING
02)	8.75	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.2	%	TAR TANK LEVEL
05)	512	#/HR	BOILER STM FLOW X 10
06)	87.6	CFM	NG FLOW FT-301
07)	2182.8	CFM	BOILER 1 AIR FLOW
08)	-0.00	GPM	TAR FLOW
09)	2059.9	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.58	°C	T-900 TEMP
13)	25.99	Hz.	Fan Drive Freq
D01)	4.6	PPM	CO ROLLING AVERAGE
D02)	2058.6	DEG F	TEMP ROLLING AVERAGE
D03)	-0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	7226	CFM	NG TOTAL FLOW X 10

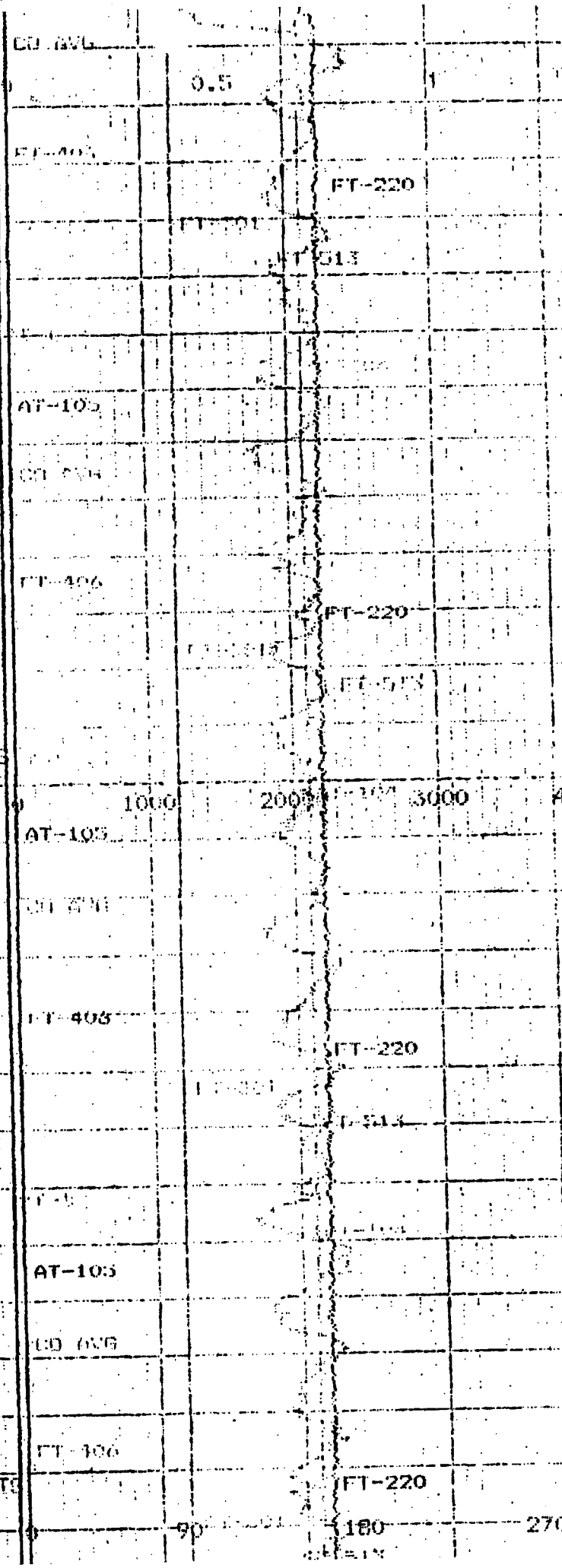
12:00:00 12/20/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	4.7	PPM	BOILER 1 CO READING
02)	8.78	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.2	%	TAR TANK LEVEL
05)	503	#/HR	BOILER STM FLOW X 10
06)	88.9	CFM	NG FLOW FT-301
07)	2167.3	CFM	BOILER 1 AIR FLOW
08)	-0.00	GPM	TAR FLOW
09)	2059.4	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.50	°C	T-900 TEMP
13)	25.75	Hz.	Fan Drive Freq
D01)	4.6	PPM	CO ROLLING AVERAGE
D02)	2058.3	DEG F	TEMP ROLLING AVERAGE
D03)	-0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	6691	CFM	NG TOTAL FLOW X 10

11:00:00 12/20/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301



16:00:00 /20/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01)	4.7	PPM	BOILER 1 CO READING
02)	9.11	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.2	%	TAR TANK LEVEL
05)	499	#/HR	BOILER STM FLOW X 10
06)	83.9	CFM	NG FLOW FT-301
07)	2111.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2053.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.61	°C	T-900 TEMP
13)	25.05	Hz.	Fan Drive Freq
D01)	4.5	PPM	CO ROLLING AVERAGE
D02)	2053.4	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	8763	CFM	NG TOTAL FLOW X 10

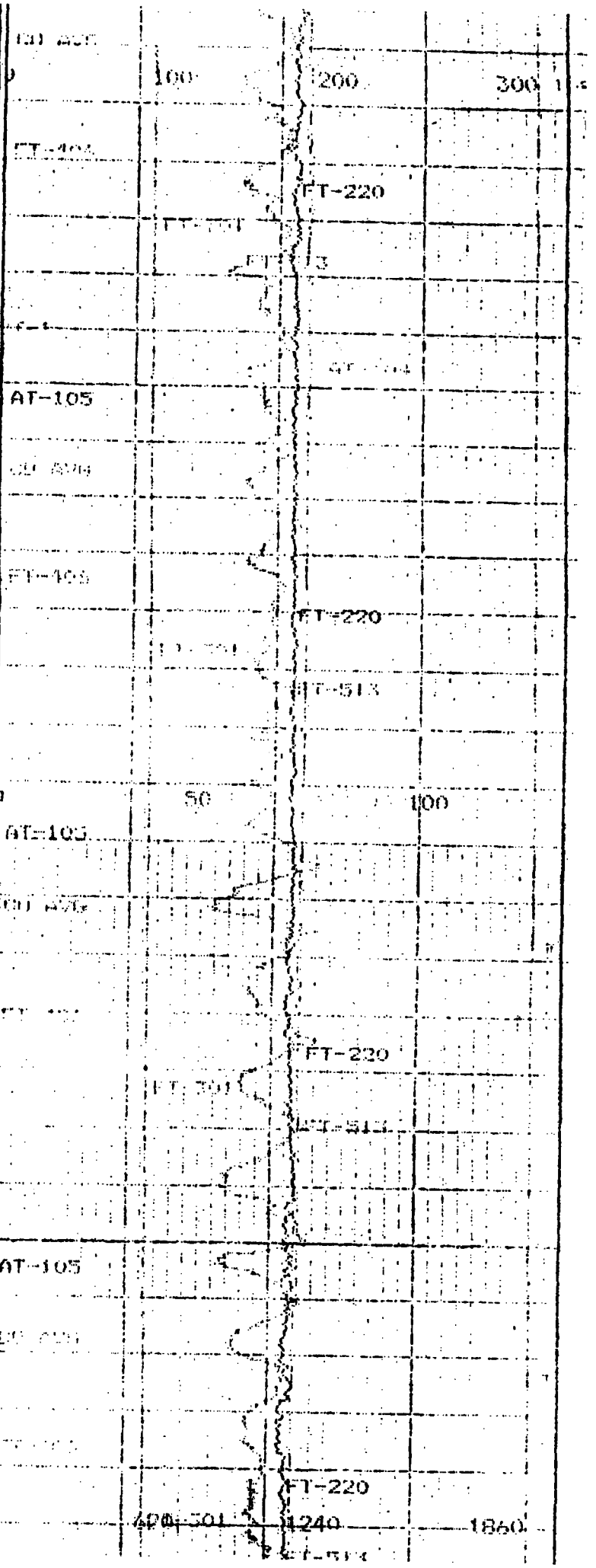
15:00:00 12/20/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	4.9	PPM	BOILER 1 CO READING
02)	8.99	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.3	%	TAR TANK LEVEL
05)	470	#/HR	BOILER STM FLOW X 10
06)	84.9	CFM	NG FLOW FT-301
07)	2104.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2053.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibratipo Interlok
12)	125.71	°C	T-900 TEMP
13)	24.94	Hz.	Fan Drive Freq
D01)	4.7	PPM	CO ROLLING AVERAGE
D02)	2050.8	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	8257	CFM	NG TOTAL FLOW X 10

14:00:00 12/20/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP



:00:00 20/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	4.3	PPM	BOILER 1 CO READING
02)	9.28	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.2	%	TAR TANK LEVEL
05)	516	#/HR	BOILER STM FLOW X 10
06)	82.8	CFM	NG FLOW FT-301
07)	2103.0	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2051.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.41	°C	T-900 TEMP
13)	25.04	Hz.	Fan Drive Freq
001)	4.0	PPM	CO ROLLING AVERAGE
002)	2052.0	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	10263	CFM	NG TOTAL FLOW X 10

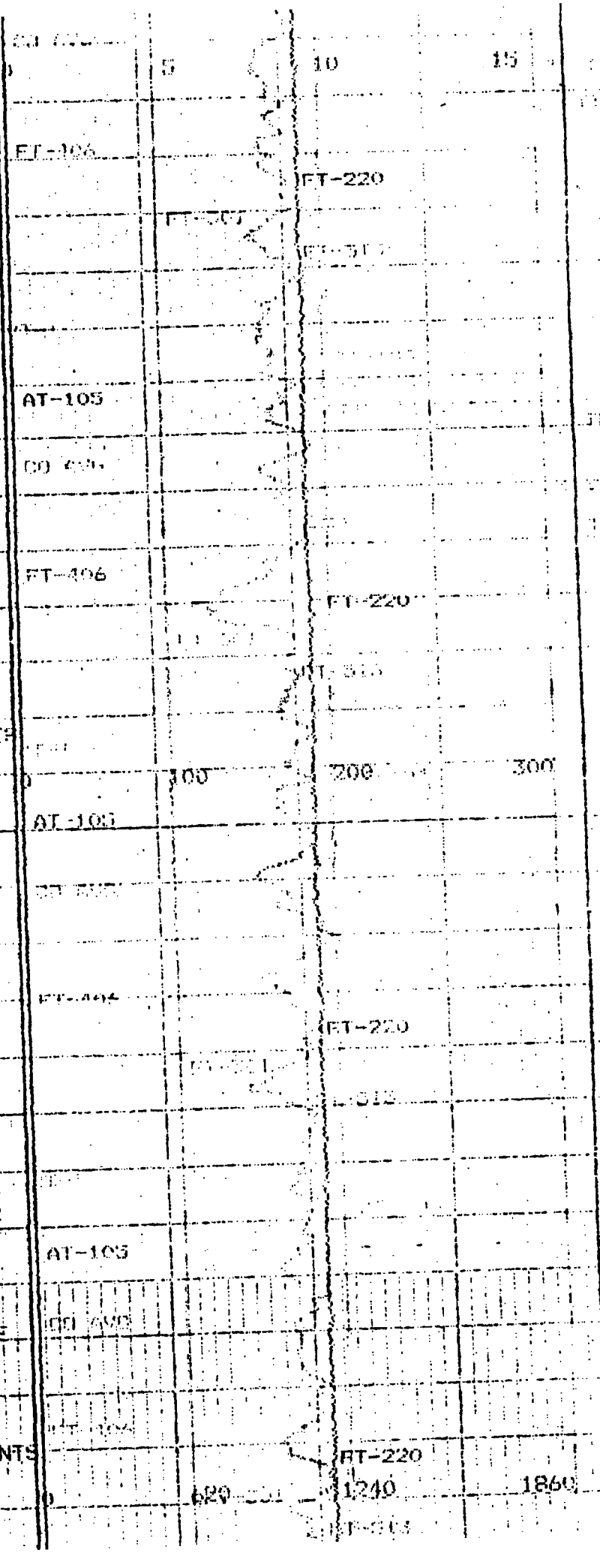
18:00:00 12/20/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	4.3	PPM	BOILER 1 CO READING
02)	9.22	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.2	%	TAR TANK LEVEL
05)	452	#/HR	BOILER STM FLOW X 10
06)	83.1	CFM	NG FLOW FT-301
07)	2102.9	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2053.3	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.49	°C	T-900 TEMP
13)	24.96	Hz.	Fan Drive Freq
001)	4.1	PPM	CO ROLLING AVERAGE
002)	2052.4	DEG F	TEMP ROLLING AVERAGE
003)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	9765	CFM	NG TOTAL FLOW X 10

17:00:00 12/20/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE



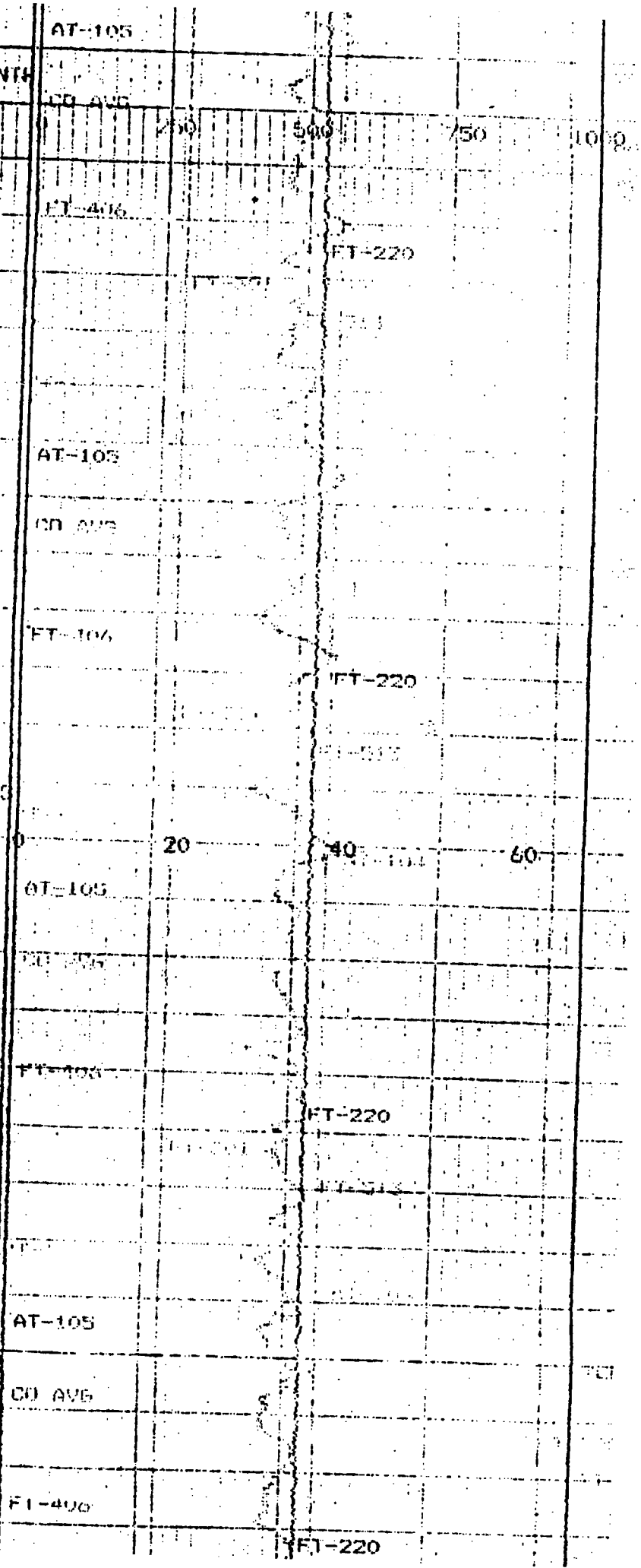
(01) 0 Gal Tar Flow Total
(02) 1[illegible].0 CFM NG TOTAL FLOW X 10
22:00:00 12/20/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01) 4.1 PPM BOILER 1 CO READING
02) 9.17 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 98.2 % TAR TANK LEVEL
05) 493 #/HR BOILER STM FLOW X 10
06) 84.7 CFM NG FLOW FT-301
07) 2103.0 CFM BOILER 1 AIR FLOW
08) -0.00 GPM TAR FLOW
09) 2056.5 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.58 °C T-900 TEMP
13) 25.03 Hz. Fan Drive Freq
01) 4.0 PPM CO ROLLING AVERAGE
02) 2055.1 DEG F TEMP ROLLING AVERAGE
03) 0.0 Tar Flow Hr Avg
01) 0 Gal Tar Flow Total
02) 11762 CFM NG TOTAL FLOW X 10
:00:00 12/20/92 JOB LOG BOILER 1 POINTS

-900 TAR TANK LEVEL

1) 4.0 PPM BOILER 1 CO READING
2) 9.25 % BOILER 1 O2 READING
3) -0.4 PSIG BOILER 1 RECY PRESS
4) 98.1 % TAR TANK LEVEL
5) 504 #/HR BOILER STM FLOW X 10
) 83.6 CFM NG FLOW FT-301
) 2095.0 CFM BOILER 1 AIR FLOW
) 0.00 GPM TAR FLOW
) 2054.3 DEG F BOILER 1 CHAMB TEMP
) >RANGE °F BOILER 1 STACK TEMP
) CAL MODE Calibration Interlok
) 125.60 °C T-900 TEMP
) 25.01 Hz. Fan Drive Freq
) 3.8 PPM CO ROLLING AVERAGE
) 2053.1 DEG F TEMP ROLLING AVERAGE
) 0.0 Tar Flow Hr Avg
) 0 Gal Tar Flow Total
) 11256 CFM NG TOTAL FLOW X 10
00:00 12/20/92 JOB LOG BOILER 1 POINTS



FT-406 TAR FLOW

01)	4.1	PPM	BOILER 1 CO READING
02)	9.32	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.1	%	TAR TANK LEVEL
05)	519	#/HR	BOILER STM FLOW X 10
06)	84.6	CFM	NG FLOW FT-301
07)	2089.4	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2060.0	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.43	°C	T-900 TEMP
13)	25.00	Hz.	Fan Drive Freq
D01)	4.2	PPM	CO ROLLING AVERAGE
D02)	2059.4	DEG F	TEMP ROLLING AVERAGE
D03)	-0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	13286	CFM	NG TOTAL FLOW X 10

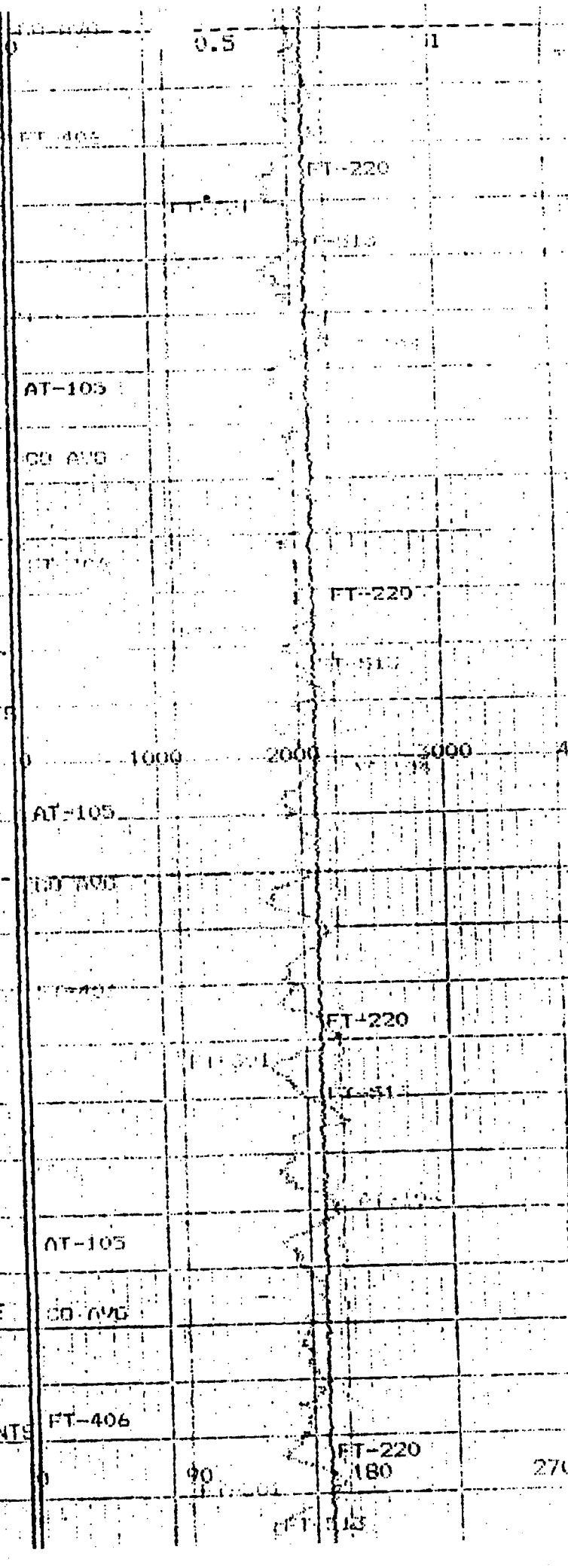
00:00:00 12/21/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	4.4	PPM	BOILER 1 CO READING
02)	9.29	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.1	%	TAR TANK LEVEL
05)	480	#/HR	BOILER STM FLOW X 10
06)	84.6	CFM	NG FLOW FT-301
07)	2090.2	CFM	BOILER 1 AIR FLOW
08)	-0.00	GPM	TAR FLOW
09)	2058.9	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.51	°C	T-900 TEMP
13)	25.04	Hz.	Fan Drive Freq
D01)	4.2	PPM	CO ROLLING AVERAGE
D02)	2058.2	DEG F	TEMP ROLLING AVERAGE
D03)	-0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	12778	CFM	NG TOTAL FLOW X 10

23:00:00 12/20/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301



CO AVG CO ROLLING AVERAGE

01)	4.0 PPM	BOILER 1 CO READING
02)	9.46 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	535 #/HR	BOILER STM FLOW X 10
06)	83.4 CFM	NG FLOW FT-301
07)	2097.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2059.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.52 °C	T-900 TEMP
13)	25.00 Hz.	Fan Drive Freq
001)	4.3 PPM	CO ROLLING AVERAGE
002)	2059.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	1518 CFM	NG TOTAL FLOW X 10

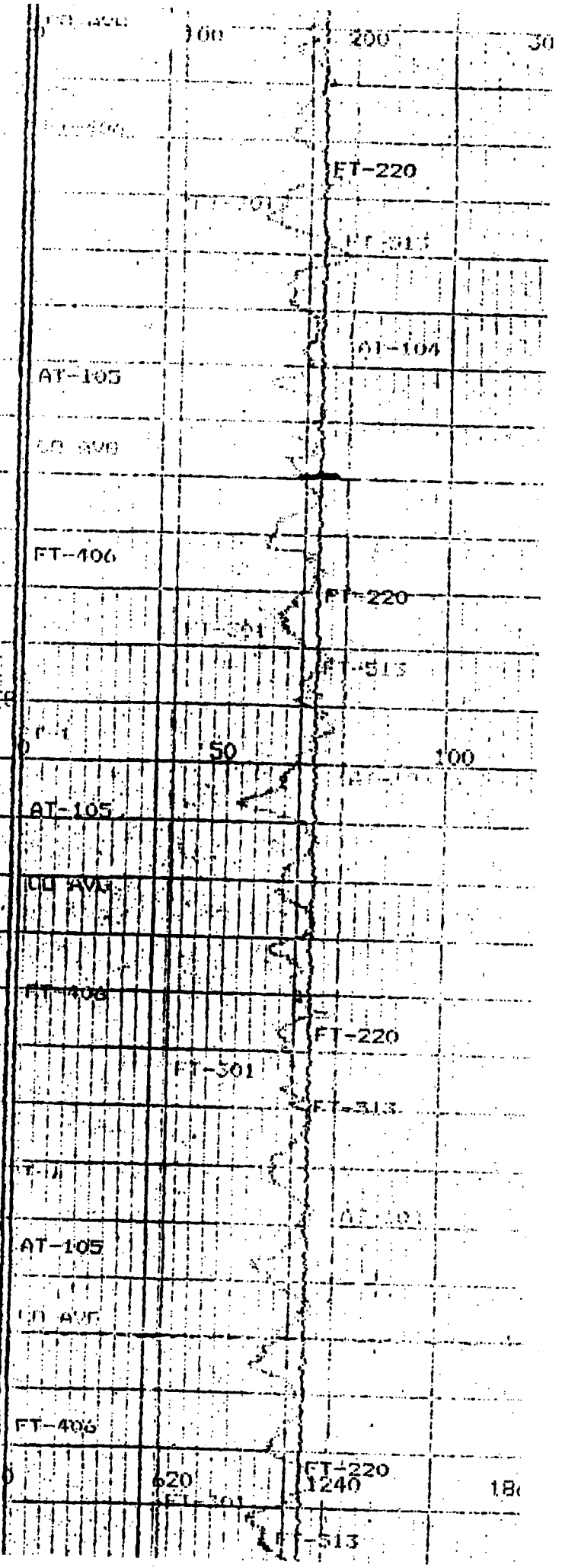
03:00:00 12/21/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	4.4 PPM	BOILER 1 CO READING
02)	9.44 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	469 #/HR	BOILER STM FLOW X 10
06)	84.1 CFM	NG FLOW FT-301
07)	2103.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2060.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.65 °C	T-900 TEMP
13)	24.96 Hz.	Fan Drive Freq
001)	4.2 PPM	CO ROLLING AVERAGE
002)	2060.1 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	1015 CFM	NG TOTAL FLOW X 10

02:00:00 12/21/92 JOB LOG BOILER 1 POINTS

FT-106 BOILER 1 CHAMB TEMP



06:00:00 12/21/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	4.0 PPM	BOILER 1 CO READING
02)	9.37 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	528 #/HR	BOILER STM FLOW X 10
06)	85.2 CFM	NG FLOW FT-301
07)	2080.1 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2054.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.47 °C	T-900 TEMP
13)	25.01 Hz.	Fan Drive Freq
D01)	4.0 PPM	CO ROLLING AVERAGE
D02)	2057.3 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	3035 CFM	NG TOTAL FLOW X 10

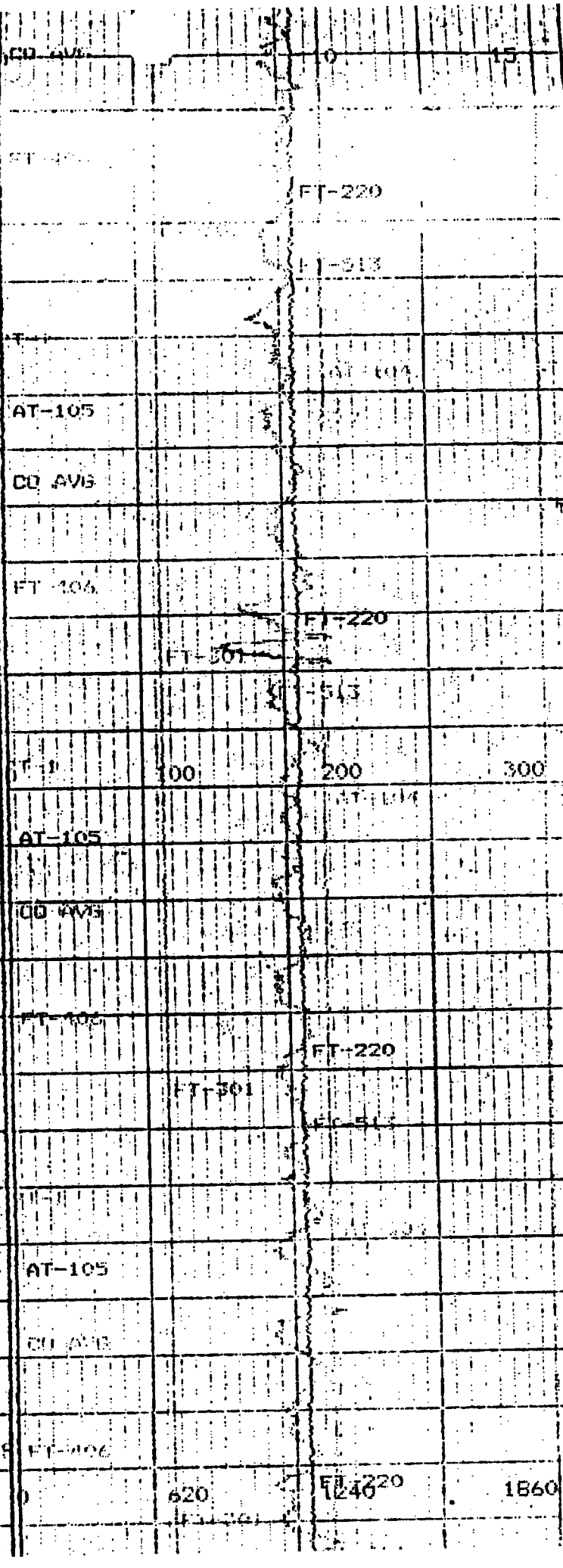
06:00:00 12/21/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	3.8 PPM	BOILER 1 CO READING
02)	9.40 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	528 #/HR	BOILER STM FLOW X 10
06)	85.5 CFM	NG FLOW FT-301
07)	2072.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2056.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.58 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
D01)	4.1 PPM	CO ROLLING AVERAGE
D02)	2057.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	2523 CFM	NG TOTAL FLOW X 10

05:00:00 12/21/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE



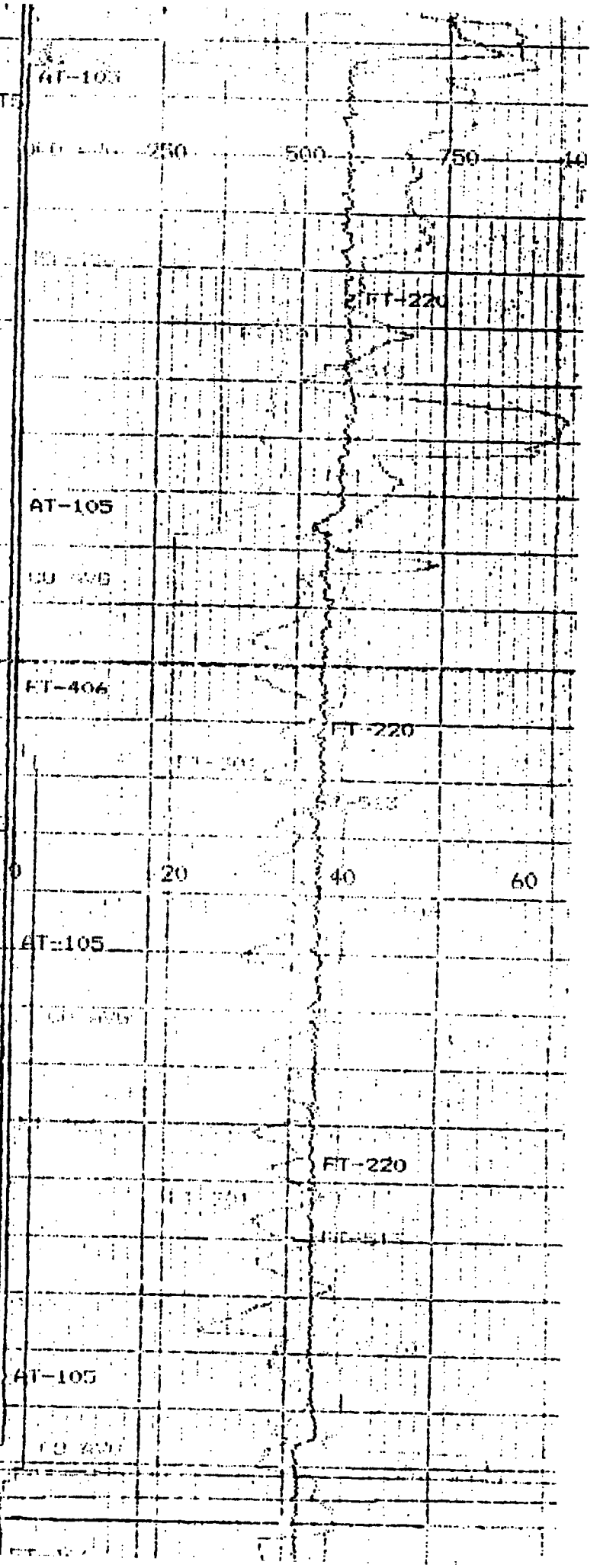
003) 0.0 Tar Flow Hr Avg
001) 0 Gal Tar Flow Total
002) 5156 CFM NG TOTAL FLOW X 10
10:00:00 12/21/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01) 4.6 PPM BOILER 1 CO READING
02) 9.69 % BOILER 1 O2 READING
03) -50.0 PSIG BOILER 1 RECY PRESS
04) 98.0 % TAR TANK LEVEL
05) 505 #/HR BOILER STM FLOW X 10
06) 84.8 CFM NG FLOW FT-301
07) 2157.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2061.0 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.33 °C T-900 TEMP
13) 25.97 Hz. Fan Drive Freq
001) 17.1 PPM CO ROLLING AVERAGE
002) 2059.5 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
001) 0 Gal Tar Flow Total
002) 4566 CFM NG TOTAL FLOW X 10
09:00:00 12/21/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

01) 3.7 PPM BOILER 1 CO READING
02) 9.55 % BOILER 1 O2 READING
03) 0.5 PSIG BOILER 1 RECY PRESS
04) 98.1 % TAR TANK LEVEL
05) 474 #/HR BOILER STM FLOW X 10
06) 84.8 CFM NG FLOW FT-301
07) 2087.5 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2057.7 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.57 °C T-900 TEMP
13) 25.03 Hz. Fan Drive Freq
001) 3.9 PPM CO ROLLING AVERAGE
002) 2056.9 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
001) 0 Gal Tar Flow Total
002) 4056 CFM NG TOTAL FLOW X 10
08:00:00 12/21/92 JOB LOG BOILER 1 POINTS



(003)	.0	Tar Flow Hr Avg
(01)	0 Gal	Tar Flow Total
T02)	7085 CFM	NG TOTAL FLOW X 10

3:00:00 12/21/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

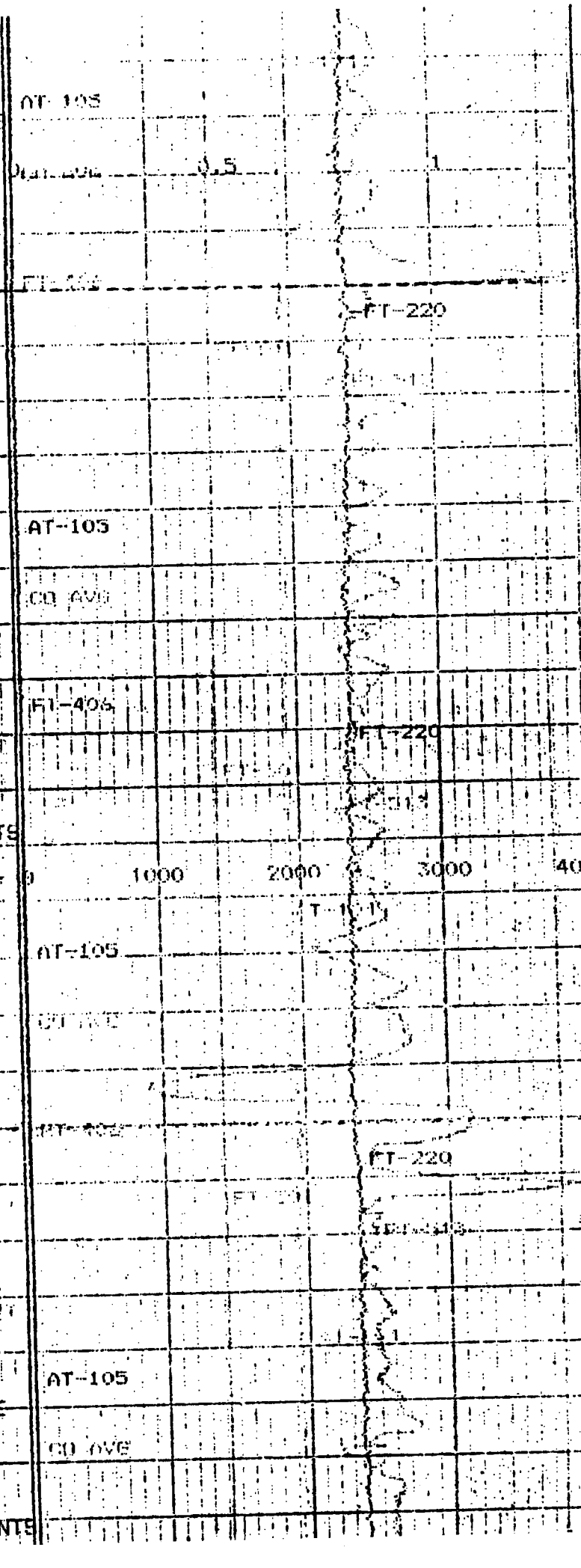
01)	3.3 PPM	BOILER 1 CO READING
02)	7.97 %	BOILER 1 O2 READING
03)	-50.0 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	638 #/HR	BOILER STM FLOW X 10
06)	106.0 CFM	NG FLOW FT-301
07)	2339.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2072.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.08 °C	T-900 TEMP
13)	28.07 Hz.	Fan Drive Freq
D01)	3.3 PPM	CO ROLLING AVERAGE
D02)	2072.4 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	6446 CFM	NG TOTAL FLOW X 10

2:00:00 12/21/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	3.3 PPM	BOILER 1 CO READING
02)	7.97 %	BOILER 1 O2 READING
03)	-50.0 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	643 #/HR	BOILER STM FLOW X 10
06)	106.5 CFM	NG FLOW FT-301
07)	2371.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2072.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.20 °C	T-900 TEMP
13)	28.54 Hz.	Fan Drive Freq
D01)	3.9 PPM	CO ROLLING AVERAGE
D02)	2071.6 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5810 CFM	NG TOTAL FLOW X 10

11:00:00 12/21/92 JOB LOG BOILER 1 POINTS



1	124.99 °C	T-900 TEMP
13)	28.00 Hz.	Fan Drive Freq
D01)	3.3 PPM	CO ROLLING AVERAGE
D02)	2074.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	9004 CFM	NG TOTAL FLOW X 10

16:00:00 12/21/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01)	3.3 PPM	BOILER 1 CO READING
02)	8.03 %	BOILER 1 O2 READING
03)	-49.9 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	652 #/HR	BOILER STM FLOW X 10
06)	104.1 CFM	NG FLOW FT-301
07)	2348.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2074.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.12 °C	T-900 TEMP
13)	27.83 Hz.	Fan Drive Freq
D01)	3.3 PPM	CO ROLLING AVERAGE
D02)	2075.8 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	8370 CFM	NG TOTAL FLOW X 10

15:00:00 12/21/92 JOB LOG BOILER 1 POINTS

12-21-92
03:10 PT

T-900 T-900 TEMP

01)	3.4 PPM	BOILER 1 CO READING
02)	8.03 %	BOILER 1 O2 READING
03)	-49.9 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	531 #/HR	BOILER STM FLOW X 10
06)	107.2 CFM	NG FLOW FT-301
07)	2396.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2077.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.26 °C	T-900 TEMP
13)	28.54 Hz.	Fan Drive Freq
D01)	3.4 PPM	CO ROLLING AVERAGE

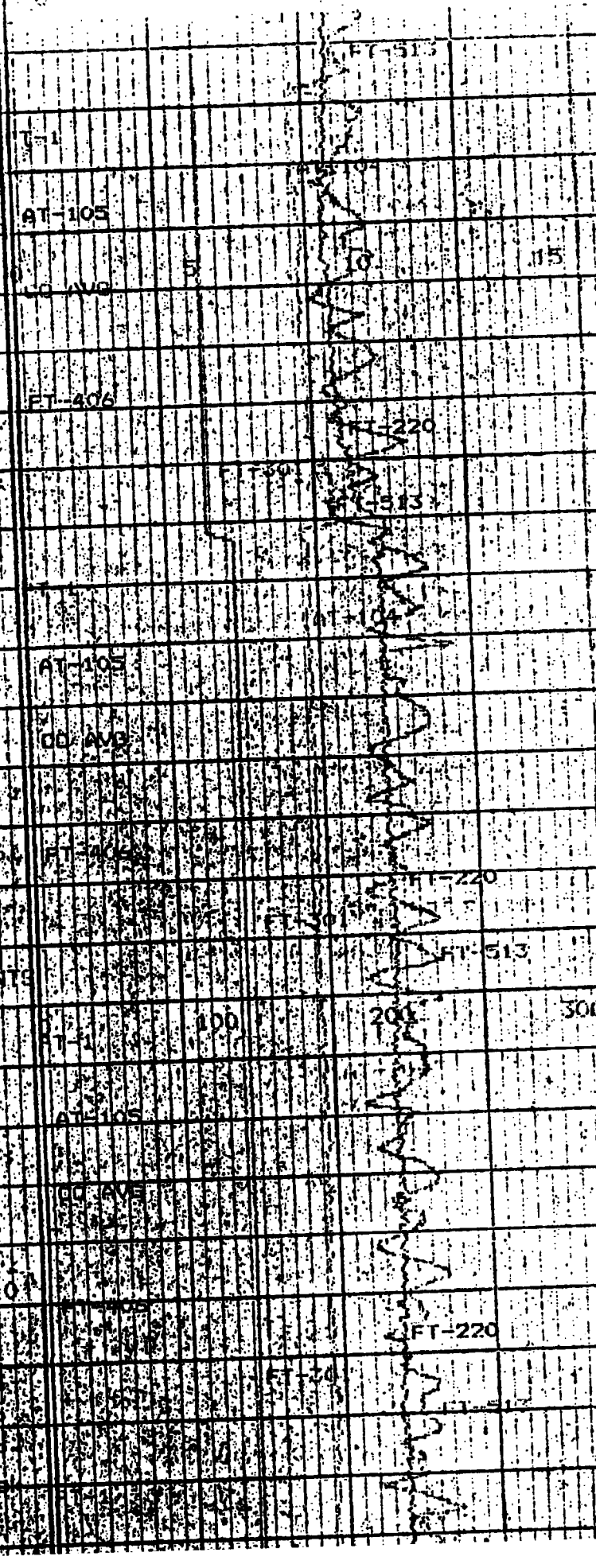
13) 25.50 Hz. Fan Drive Freq
001) 4.0 PPM CO ROLLING AVERAGE
002) 2074.5 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 10896 CFM NG TOTAL FLOW X 10
9:00:00 12/21/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01) 3.8 PPM BOILER 1 CO READING
02) 7.94 % BOILER 1 O2 READING
03) 0.4 PSIG BOILER 1 RECY PRESS
04) 98.1 % TAR TANK LEVEL
05) 560 #/HR BOILER STM FLOW X 10
06) 107.6 CFM NG FLOW FT-301
07) 2395.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2074.6 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.23 °C TT-900 TEMP
13) 28.78 Hz. Fan Drive Freq
001) 4.5 PPM CO ROLLING AVERAGE
002) 2074.7 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 10200 CFM NG TOTAL FLOW X 10
18:00:00 12/21/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01) 3.3 PPM BOILER 1 CO READING
02) 7.94 % BOILER 1 O2 READING
03) 0.4 PSIG BOILER 1 RECY PRESS
04) 98.2 % TAR TANK LEVEL
05) 595 #/HR BOILER STM FLOW X 10
06) 104.3 CFM NG FLOW FT-301
07) 2348.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2072.2 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.03 °C TT-900 TEMP
13) 28.53 Hz. Fan Drive Freq



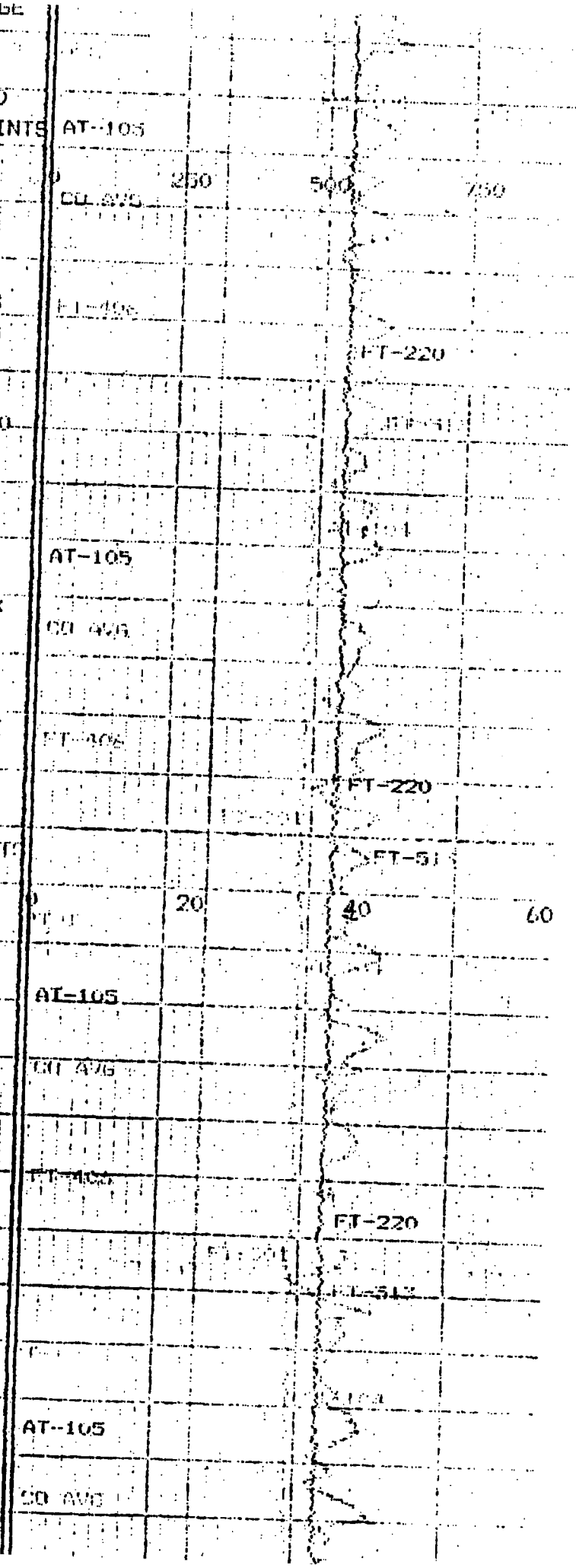
D02) 2064.0 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 12424 CFM NG TOTAL FLOW X 10
22:00:00 12/21/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01) 4.6 PPM BOILER 1 CO READING
02) 7.89 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 98.2 % TAR TANK LEVEL
05) 566 #/HR BOILER STM FLOW X 10
06) 94.2 CFM NG FLOW FT-301
07) 2127.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2064.5 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.35 °C T-900 TEMP
13) 25.51 Hz. Fan Drive Freq
D01) 4.3 PPM CO ROLLING AVERAGE
D02) 2064.8 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 12046 CFM NG TOTAL FLOW X 10
21:00:00 12/21/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01) 4.6 PPM BOILER 1 CO READING
02) 8.04 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 98.1 % TAR TANK LEVEL
05) 605 #/HR BOILER STM FLOW X 10
06) 93.8 CFM NG FLOW FT-301
07) 2149.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2065.4 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.49 °C T-900 TEMP
13) 25.27 Hz. Fan Drive Freq
D01) 4.2 PPM CO ROLLING AVERAGE
D02) 2066.4 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 11470 CFM NG TOTAL FLOW X 10



D02) 2063.7 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 575 CFM NG TOTAL FLOW X 10
01:00:00 12/22/92 JOB LOG BOILER 1 POINTS

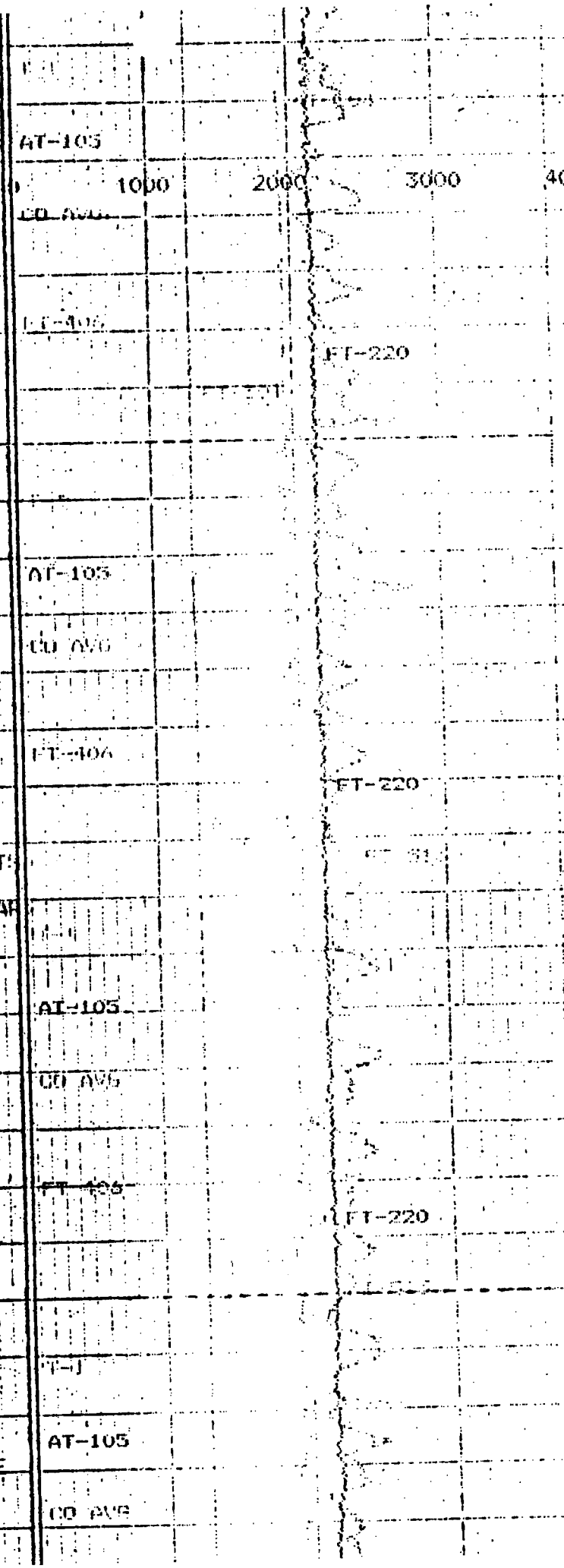
FT-220 BOILER 1 AIR FLOW

01) 4.6 PPM BOILER 1 CO READING
02) 8.04 % BOILER 1 O2 READING
03) -0.5 PSIG BOILER 1 RECY PRESS
04) 98.1 % TAR TANK LEVEL
05) 581 #/HR BOILER STM FLOW X 10
06) 96.0 CFM NG FLOW FT-301
07) 2144.3 CFM BOILER 1 AIR FLOW
08) -0.00 GPM TAR FLOW
09) 2064.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.33 °C T-900 TEMP
13) 25.51 Hz. Fan Drive Freq
D01) 4.5 PPM CO ROLLING AVERAGE
D02) 2064.2 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 13778 CFM NG TOTAL FLOW X 10
00:00:00 12/22/92 JOB LOG BOILER 1 POINTS

LARRY 3rd SHIFT 12/21/92 23:56:02 <YEAR

POWELL 3rd SHIFT 23:50:14 12/21/92
POWELL 3ST SHIFT 23:49:28 12/21/92

01) 4.6 PPM BOILER 1 CO READING
02) 8.10 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 98.3 % TAR TANK LEVEL
05) 540 #/HR BOILER STM FLOW X 10
06) 96.2 CFM NG FLOW FT-301
07) 2131.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2063.4 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.54 °C T-900 TEMP
13) 25.74 Hz. Fan Drive Freq
D01) 4.4 PPM CO ROLLING AVERAGE
D02) 2064.2 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 13201 CFM NG TOTAL FLOW X 10



002)	062.5 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	2298 CFM	NG TOTAL FLOW X 10

04:00:00 12/22/92 JOB LOG BOILER 1 POINTS

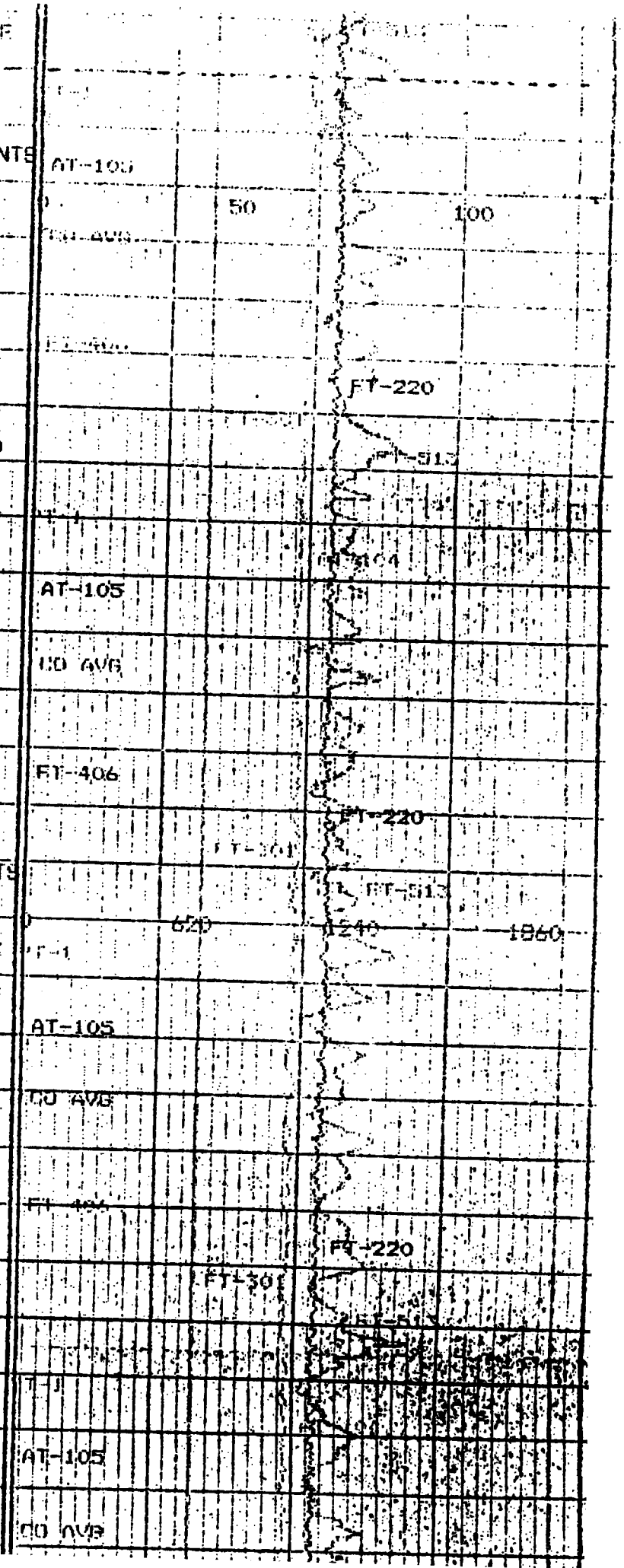
T-900 T-900 TEMP

01)	4.6 PPM	BOILER 1 CO READING
02)	7.98 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	566 #/HR	BOILER STM FLOW X 10
06)	96.0 CFM	NG FLOW FT-301
07)	2165.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2062.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.44 °C	T-900 TEMP
13)	25.51 Hz.	Fan Drive Freq
001)	4.4 PPM	CO ROLLING AVERAGE
002)	2062.3 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	1723 CFM	NG TOTAL FLOW X 10

03:00:00 12/22/92 JOB LOG BOILER 1 POINTS

T-106 BOILER 1 CHAMB TEMP

01)	4.6 PPM	BOILER 1 CO READING
02)	8.04 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	525 #/HR	BOILER STM FLOW X 10
06)	95.5 CFM	NG FLOW FT-301
07)	2102.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2062.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.50 °C	T-900 TEMP
13)	25.51 Hz.	Fan Drive Freq
001)	4.5 PPM	CO ROLLING AVERAGE
002)	2062.8 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total



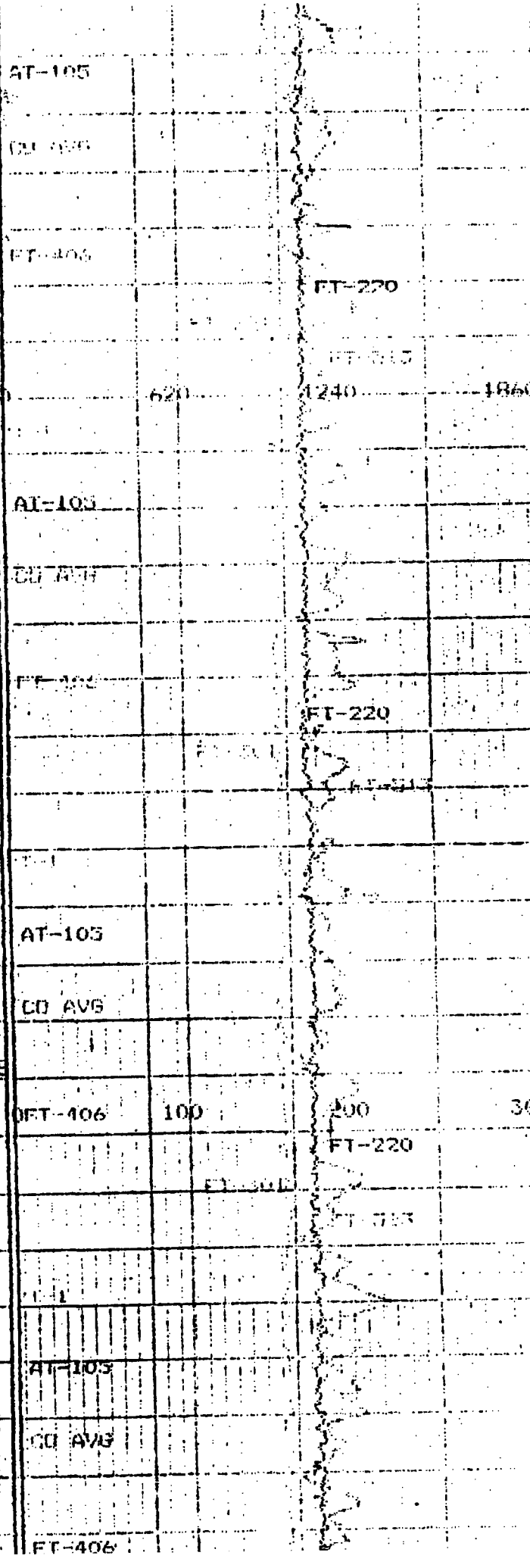
08) 0.00 GPM TAR FLOW
09) 2062.3 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.38 °C T-900 TEMP
13) 25.51 Hz. Fan Drive Freq
D01) 4.4 PPM CO ROLLING AVERAGE
D02) 2062.3 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3446 CFM NG TOTAL FLOW X 10
05:00:00 12/22/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01) 4.6 PPM BOILER 1 CO READING
02) 8.01 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 98.1 % TAR TANK LEVEL
05) 541 #/HR BOILER STM FLOW X 10
06) 95.6 CFM NG FLOW FT-301
07) 2128.0 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2062.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.50 °C T-900 TEMP
13) 25.51 Hz. Fan Drive Freq
D01) 4.5 PPM CO ROLLING AVERAGE
D02) 2062.5 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 2872 CFM NG TOTAL FLOW X 10
05:00:00 12/22/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

01) 4.6 PPM BOILER 1 CO READING
02) 8.04 % BOILER 1 O2 READING
03) 0.5 PSIG BOILER 1 RECY PRESS
04) 98.2 % TAR TANK LEVEL
05) 571 #/HR BOILER STM FLOW X 10
06) 95.8 CFM NG FLOW FT-301
07) 2142.5 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2062.2 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok



PT-1 BOILER 1 RECY PRESS

01)	4.6	PPM	BOILER 1 CO READING
02)	8.00	%	BOILER 1 O2 READING
03)	-0.4	PSIG	BOILER 1 RECY PRESS
04)	98.1	%	TAR TANK LEVEL
05)	569	#/HR	BOILER STM FLOW X 10
06)	96.0	CFM	NG FLOW FT-301
07)	2158.1	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2064.2	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.29	°C	T-900 TEMP
13)	25.51	Hz.	Fan Drive Freq
D01)	4.5	PPM	CO ROLLING AVERAGE
D02)	2062.8	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	4596	CFM	NG TOTAL FLOW X 10

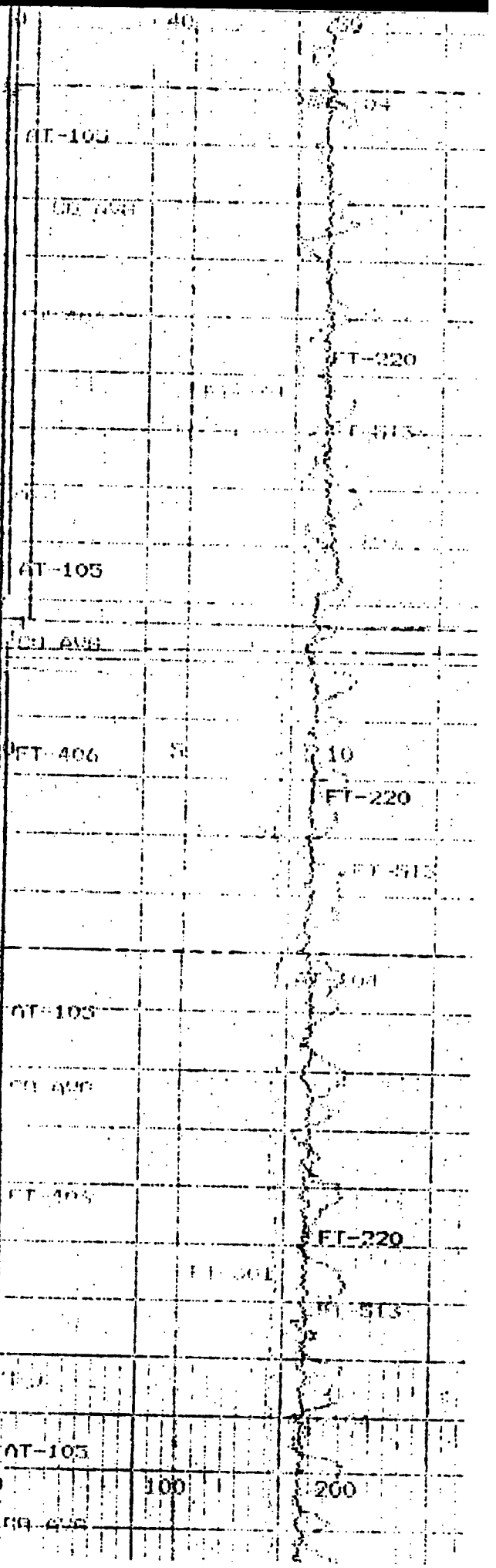
08:00:00 12/22/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	4.6	PPM	BOILER 1 CO READING
02)	7.95	%	BOILER 1 O2 READING
03)	-0.5	PSIG	BOILER 1 RECY PRESS
04)	98.2	%	TAR TANK LEVEL
05)	526	#/HR	BOILER STM FLOW X 10
06)	95.6	CFM	NG FLOW FT-301
07)	2112.4	CFM	BOILER 1 AIR FLOW
08)	0.00	GPM	TAR FLOW
09)	2062.3	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.45	°C	T-900 TEMP
13)	25.51	Hz.	Fan Drive Freq
D01)	4.5	PPM	CO ROLLING AVERAGE
D02)	2062.4	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	4020	CFM	NG TOTAL FLOW X 10

07:00:00 12/22/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING



01)	[illegible].9 PPM	BOILER 1 CO READING
02)	8.24 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	569 #/HR	BOILER STM FLOW X 10
06)	95.2 CFM	NG FLOW FT-301
07)	2165.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2070.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.25 °C	T-900 TEMP
13)	26.20 Hz.	Fan Drive Freq
D01)	4.3 PPM	CO ROLLING AVERAGE
D02)	2070.9 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	6328 CFM	NG TOTAL FLOW X 10

11:00:00 12/22/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

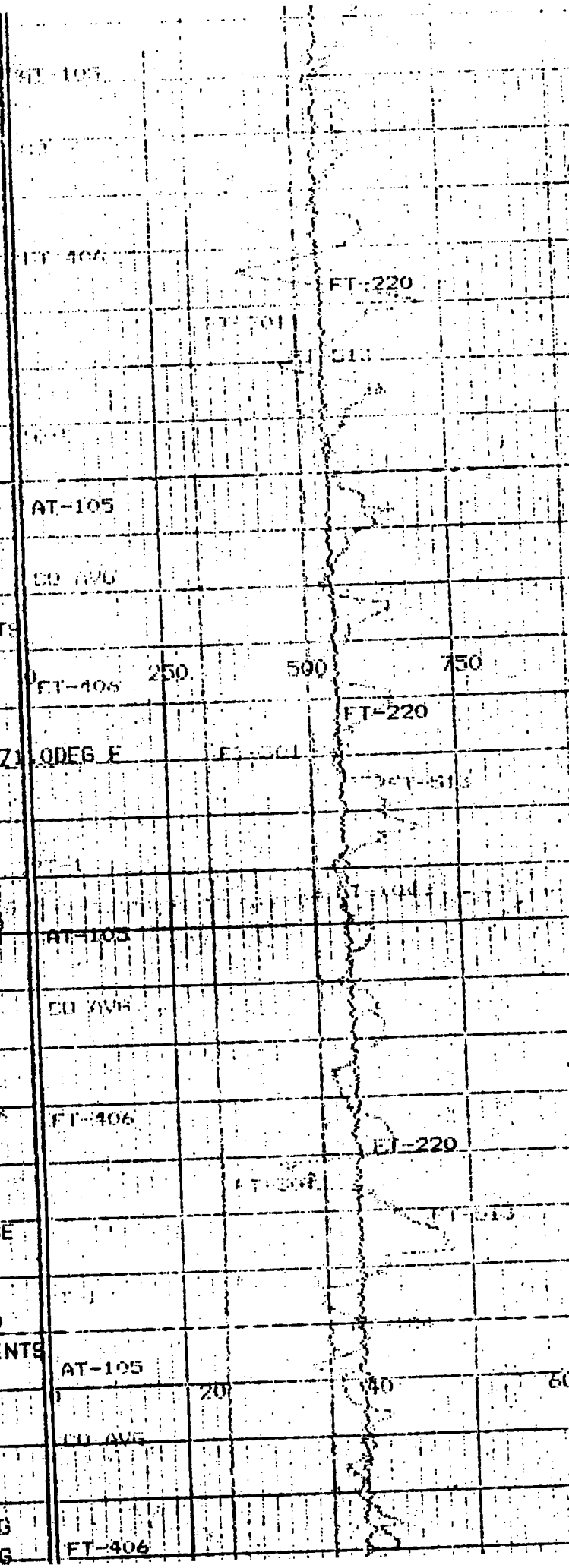
TEMP AVG 10:49:22 12/22/92 TEMP AV 2071.0DEG F

01)	4.0 PPM	BOILER 1 CO READING
02)	8.39 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	542 #/HR	BOILER STM FLOW X 10
06)	96.5 CFM	NG FLOW FT-301
07)	2240.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2070.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.31 °C	T-900 TEMP
13)	26.67 Hz.	Fan Drive Freq
D01)	4.2 PPM	CO ROLLING AVERAGE
D02)	2070.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5751 CFM	NG TOTAL FLOW X 10

10:00:00 12/22/92 JOB LOG BOILER 1 POINTS

LT-900 TAR TANK LEVEL

01)	4.0 PPM	BOILER 1 CO READING
02)	8.27 %	BOILER 1 O2 READING



01)	3.8 PPM	BOILER 1 CO READING
02)	8.41 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	99.1 %	TAR TANK LEVEL
05)	573 #/HR	BOILER STM FLOW X 10
06)	96.2 CFM	NG FLOW FT-301
07)	2225.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2070.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.29 °C	T-900 TEMP
13)	26.67 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.7 PPM	CO ROLLING AVERAGE
D02)	2068.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	8036 CFM	NG TOTAL FLOW X 10

14:00:00 12/22/92 JOB LOG BOILER 1 POINTS

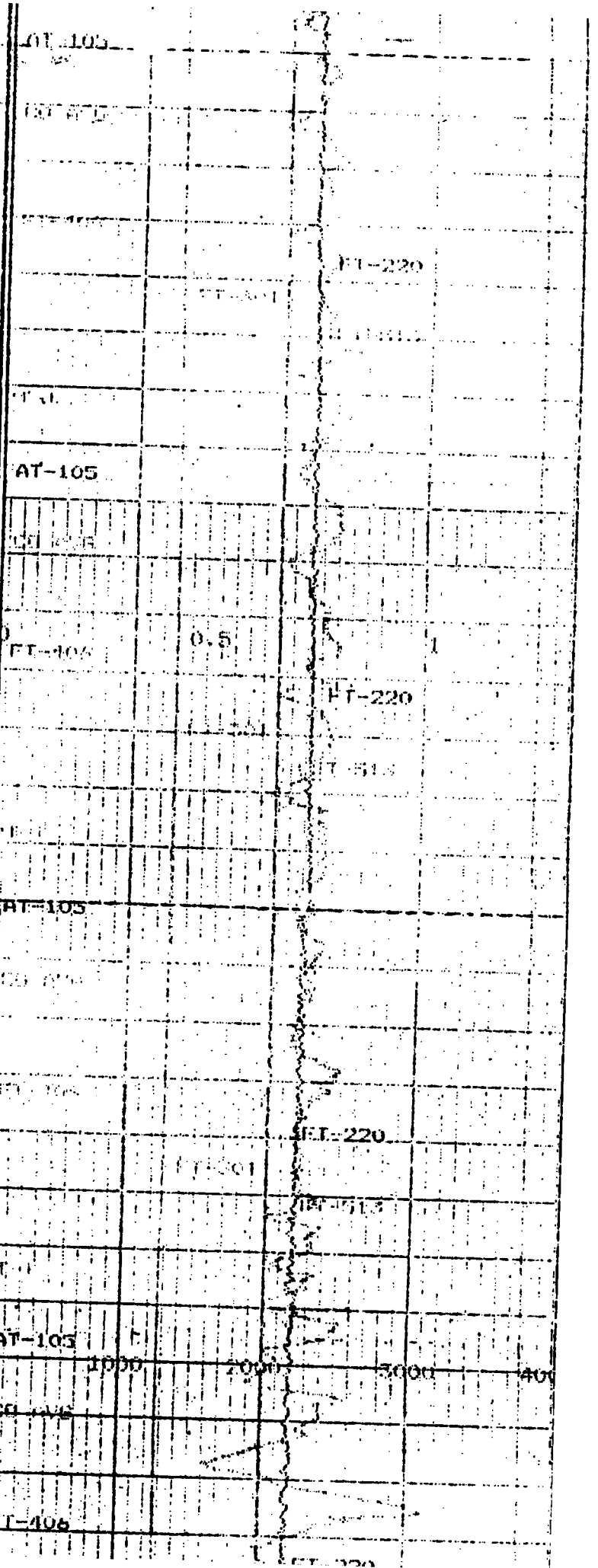
FT-406 TAR FLOW

01)	3.8 PPM	BOILER 1 CO READING
02)	8.35 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	416 #/HR	BOILER STM FLOW X 10
06)	94.4 CFM	NG FLOW FT-301
07)	2168.6 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2067.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.17 °C	T-900 TEMP
13)	26.20 Hz.	Fan Drive Freq
D01)	3.53 HZ	Tar Pump Freq
D02)	2066.9 PPM	CO ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	7162 CFM	NG TOTAL FLOW X 10

13:00:00 12/22/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	3.4 PPM	BOILER 1 CO READING
02)	8.47 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS



T02) 8887 CFM NG TOTAL FLOW X 10
17:00:00 12/22/92 JOB LOG BOILER 1 POINTS

CO AVG CO ROLLING AVERAGE

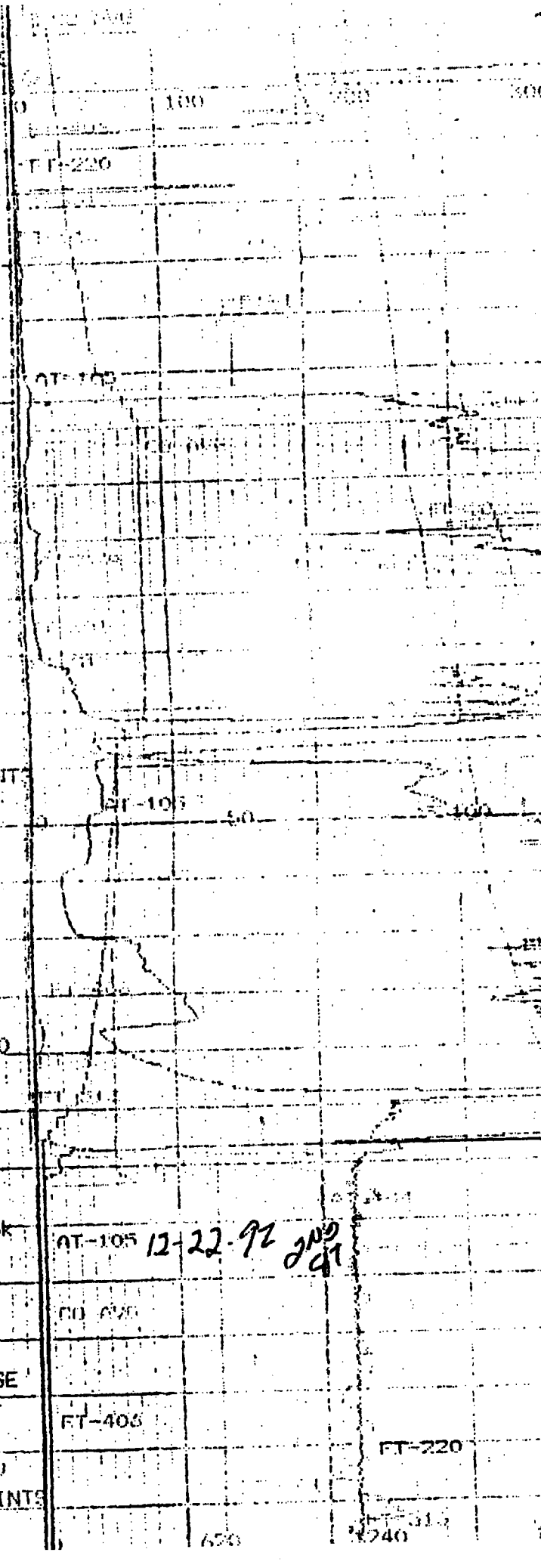
01)	40.8 PPM	BOILER 1 CO READING
02)	20.69 %	BOILER 1 O2 READING
03)	19.8 PSIG	BOILER 1 RECY PRESS
04)	100.6 %	TAR TANK LEVEL
05)	-6 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2752.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1579.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.23 °C	T-900 TEMP
13)	24.97 Hz.	Fan Drive Freq
14)	39.57 HZ	Tar Pump Freq
D01)	48.5 PPM	CO ROLLING AVERAGE
D02)	1906.9 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	8887 CFM	NG TOTAL FLOW X 10

16:00:00 12/22/92 JOB LOG BOILER 1 POINTS

T-900 T-900 TEMP

01)	3.3 PPM	BOILER 1 CO READING
02)	8.35 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	601 #/HR	BOILER STM FLOW X 10
06)	95.1 CFM	NG FLOW FT-301
07)	2192.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2070.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.13 °C	T-900 TEMP
13)	26.43 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.7 PPM	CO ROLLING AVERAGE
D02)	2069.9 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	8609 CFM	NG TOTAL FLOW X 10

15:00:00 12/22/92 JOB LOG BOILER 1 POINTS



3.0m

3.1m

Chassell CHART No. GD244101C100

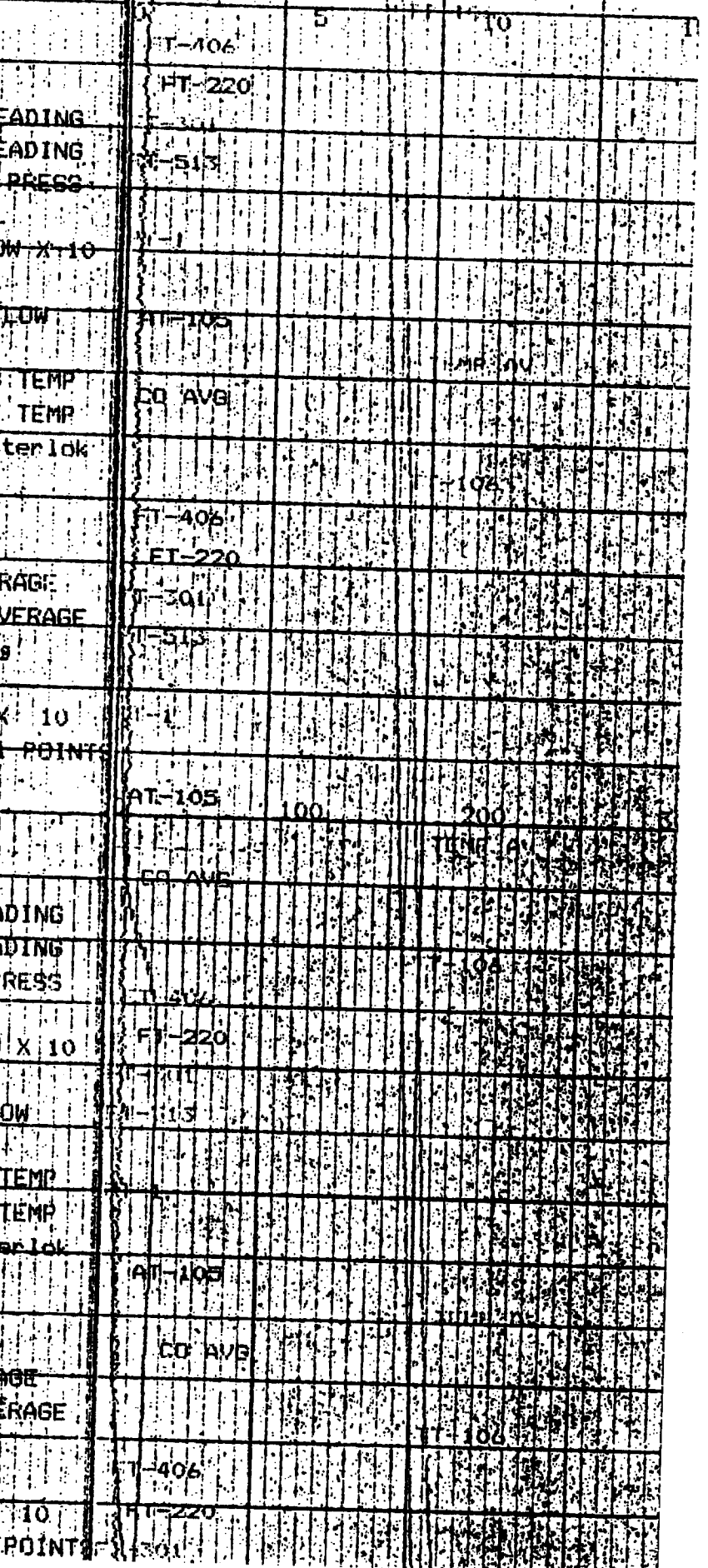
(02) 8887 CFM NG TOTAL FLOW X 10
20:00:00 12/22/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01) 2.8 PPM BOILER 1 CO READING
02) 20.70 % BOILER 1 O2 READING
03) +0.5 PSIG BOILER 1 RECY PRESS
04) 99.4 % TAR TANK LEVEL
05) 6 #/HR BOILER STM FLOW X 10
06) +3.1 CFM NG FLOW FT-301
07) 138.6 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 944.7 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.49 °C T-900 TEMP
13) 0.22 Hz Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 6.9 PPM CO ROLLING AVERAGE
002) 998.3 DEG F TEMP ROLLING AVERAGE
003) +0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
(02) 8887 CFM NG TOTAL FLOW X 10
19:00:00 12/22/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01) 17.5 PPM BOILER 1 CO READING
02) 20.69 % BOILER 1 O2 READING
03) +0.5 PSIG BOILER 1 RECY PRESS
04) 99.8 % TAR TANK LEVEL
05) -7 #/HR BOILER STM FLOW X 10
06) -3.1 CFM NG FLOW FT-301
07) 179.6 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 1049.5 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.35 °C T-900 TEMP
13) 0.22 Hz Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 22.8 PPM CO ROLLING AVERAGE
002) 1115.7 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
(02) 8887 CFM NG TOTAL FLOW X 10
18:00:00 12/22/92 JOB LOG BOILER 1 POINTS



23:00:00 12/22/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

01)	0.4	PPM	BOILER 1 CO READING
02)	21.18	%	BOILER 1 O2 READING
03)	-0.5	PSIG	BOILER 1 RECY PRESS
04)	98.6	%	TAR TANK LEVEL
05)	-4	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	137.1	CFM	BOILER 1 AIR FLOW
08)	-0.00	GPM	TAR FLOW
09)	679.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.54	°C	T-900 TEMP
13)	0.22	Hz.	Fan Drive Freq
14)	0.22	HZ	Tar Pump Freq
D01)	0.2	PPM	CO ROLLING AVERAGE
D02)	717.2	DEG F	TEMP ROLLING AVERAGE
D03)	-0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	8887	CFM	NG TOTAL FLOW X 10

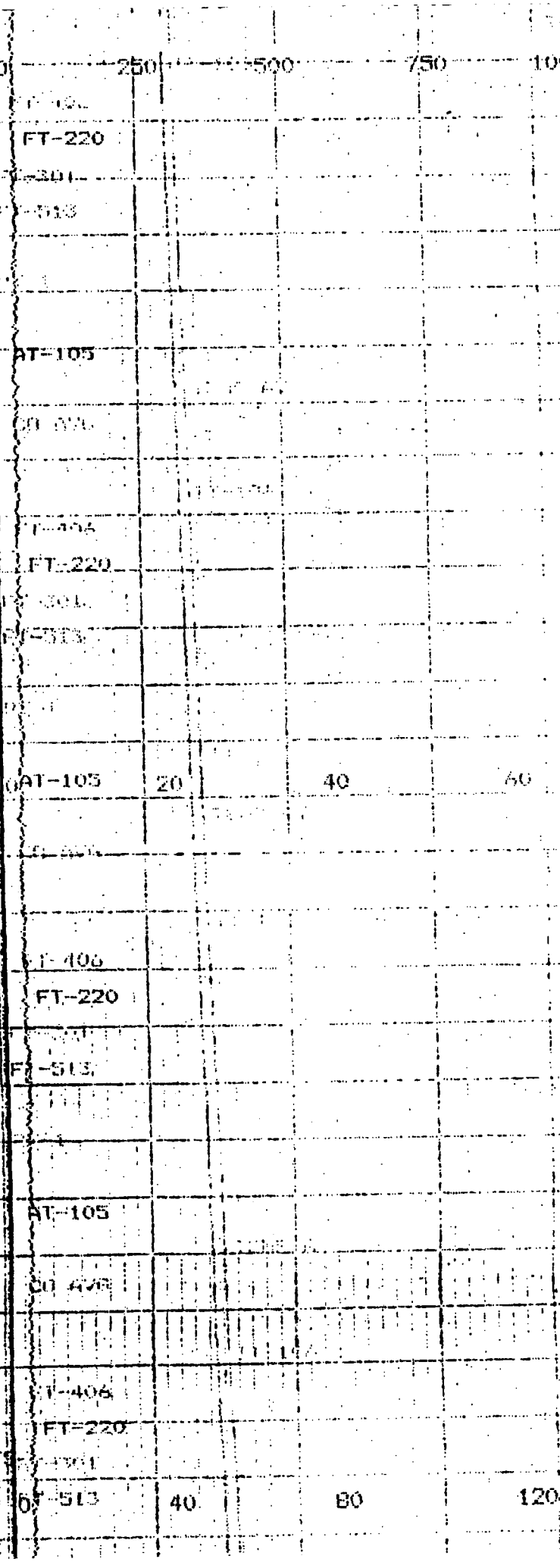
22:00:00 12/22/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

01)	0.3	PPM	BOILER 1 CO READING
02)	21.17	%	BOILER 1 O2 READING
03)	-0.5	PSIG	BOILER 1 RECY PRESS
04)	98.7	%	TAR TANK LEVEL
05)	-4	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	145.7	CFM	BOILER 1 AIR FLOW
08)	-0.00	GPM	TAR FLOW
09)	754.7	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.53	°C	T-900 TEMP
13)	0.23	Hz.	Fan Drive Freq
14)	0.22	HZ	Tar Pump Freq
D01)	0.5	PPM	CO ROLLING AVERAGE
D02)	799.1	DEG F	TEMP ROLLING AVERAGE
D03)	0.0		Tar Flow Hr Avg
T01)	0	Gal	Tar Flow Total
T02)	8887	CFM	NG TOTAL FLOW X 10

21:00:00 12/22/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS



FT-406 TAR FLOW

01)	-1.2 PPM	BOILER 1 CO READING
02)	21.18 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.6 %	TAR TANK LEVEL
05)	-4 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	136.3 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	507.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.58 °C	T-900 TEMP
13)	0.22 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	-0.9 PPM	CO ROLLING AVERAGE
D02)	532.8 DEG F	TEMP ROLLING AVERAGE
D03)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
02)	0 CFM	NG TOTAL FLOW X 10

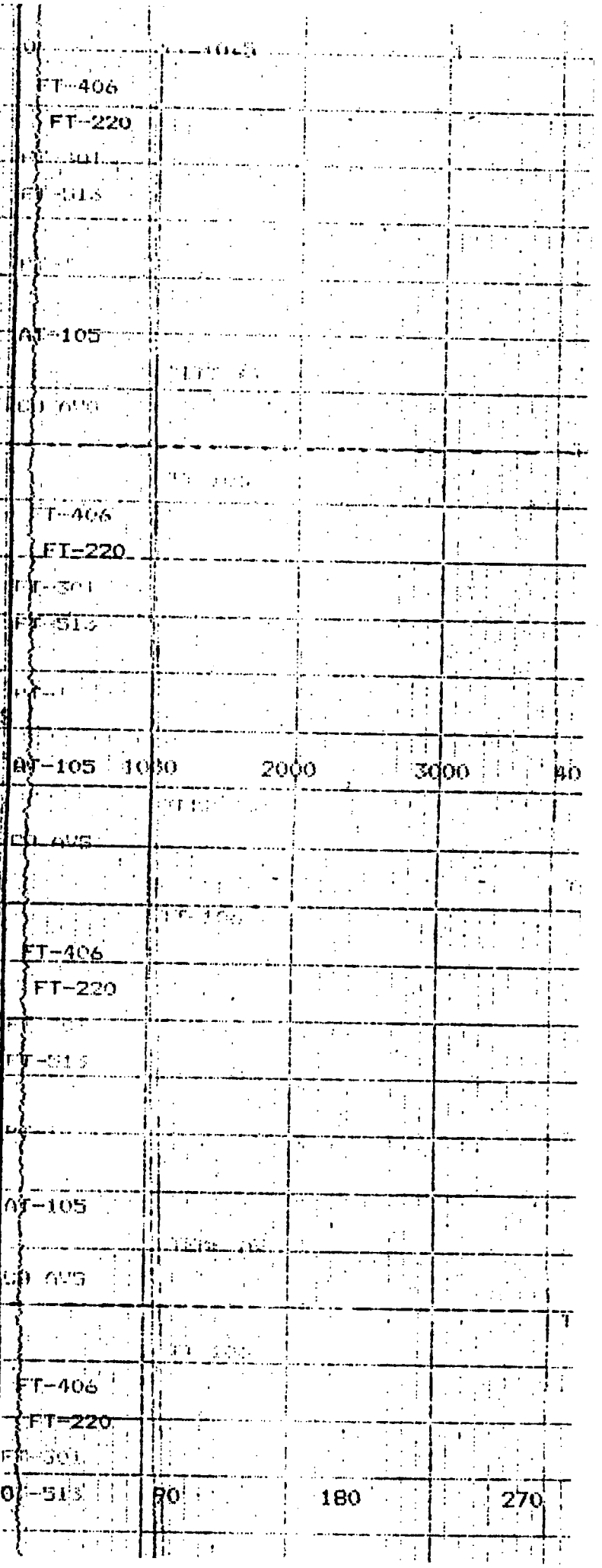
01:00:00 12/23/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	-0.6 PPM	BOILER 1 CO READING
02)	21.18 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.5 %	TAR TANK LEVEL
05)	-4 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	128.1 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	555.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.47 °C	T-900 TEMP
13)	0.22 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	-0.7 PPM	CO ROLLING AVERAGE
D02)	585.5 DEG F	TEMP ROLLING AVERAGE
D03)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
02)	8887 CFM	NG TOTAL FLOW X 10

00:00:00 12/23/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301



CO AVG) ROLLING AVERAGE

01)	-1.1 PPM	BOILER 1 CO READING
02)	21.18 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.5 %	TAR TANK LEVEL
05)	-4 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	128.3 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	397.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	-125.44 °C	T-900 TEMP
13)	0.22 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	-1.0 PPM	CO ROLLING AVERAGE
002)	412.7 DEG F	TEMP ROLLING AVERAGE
003)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

04:00:00 12/23/92 JOB LOG BOILER 1 POINTS

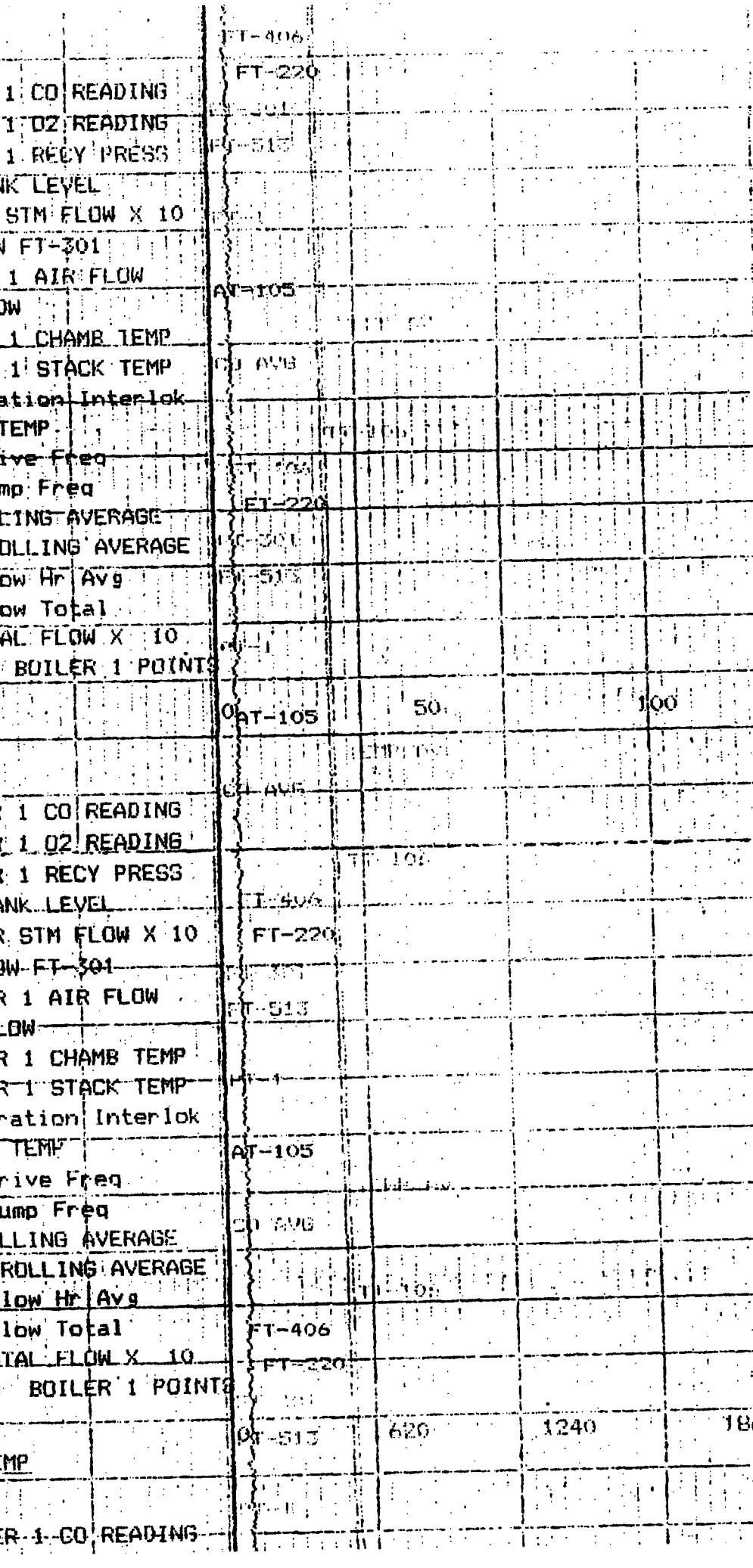
T-900 T-900 TEMP

01)	+1.2 PPM	BOILER 1 CO READING
02)	21.19 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.6 %	TAR TANK LEVEL
05)	-4 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	112.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	429.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.53 °C	T-900 TEMP
13)	0.22 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	-1.2 PPM	CO ROLLING AVERAGE
002)	447.6 DEG F	TEMP ROLLING AVERAGE
003)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

03:00:00 12/23/92 JOB LOG BOILER 1 POINTS

TT-106 BOILER 1 CHAMB TEMP

01)	-1.2 PPM	BOILER 1 CO READING



12)	1 38 °C	T-900 TEMP
13)	57.89 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	-1.6 PPM	CO ROLLING AVERAGE
D02)	337.6 DEG F	TEMP ROLLING AVERAGE
D03)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

07:00:00 12/23/92 JOB LOG BOILER 1 POINTS

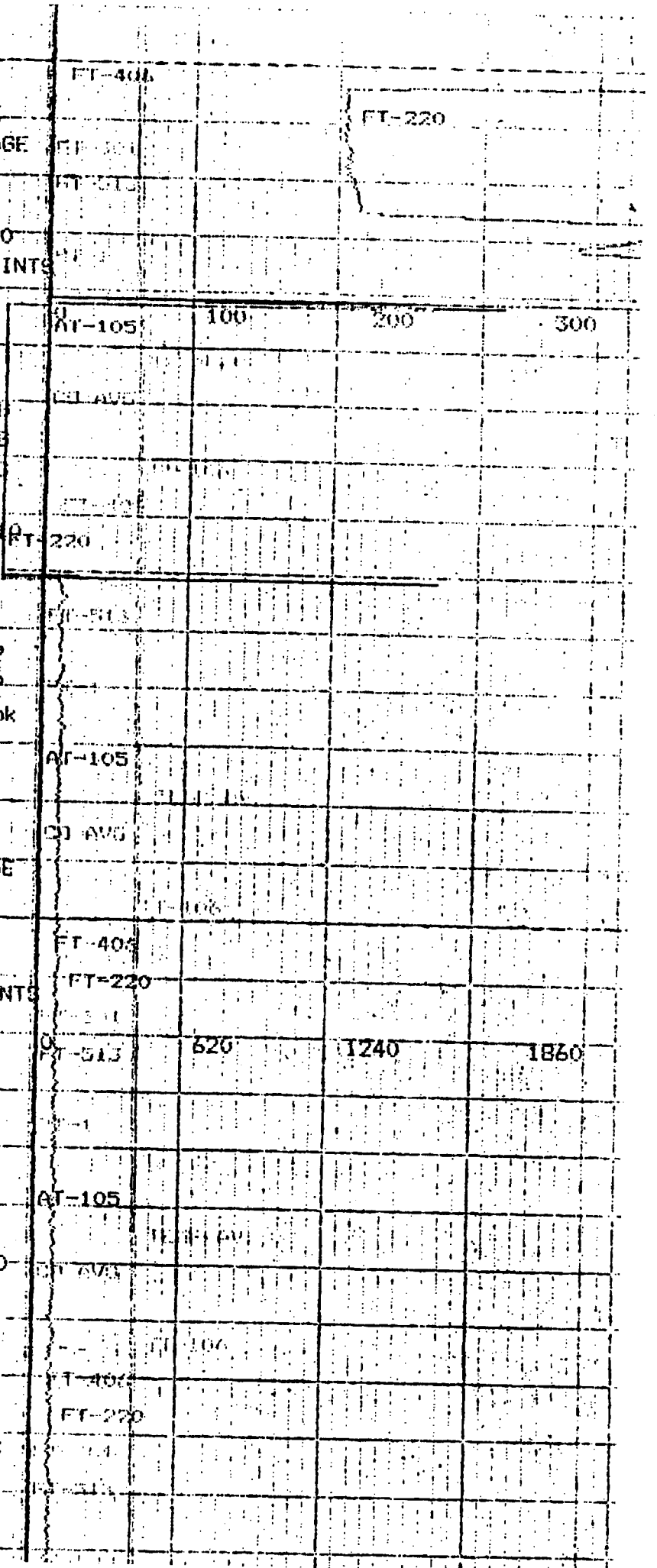
AI-105 BOILER 1 CO READING

01)	-1.2 PPM	BOILER 1 CO READING
02)	21.18 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.6 %	TAR TANK LEVEL
05)	-4 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	126.3 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	342.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.56 °C	T-900 TEMP
13)	0.22 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	-1.2 PPM	CO ROLLING AVERAGE
D02)	355.7 DEG F	TEMP ROLLING AVERAGE
D03)	-0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

06:00:00 12/23/92 JOB LOG BOILER 1 POINTS

TEMP AV TEMP ROLLING AVERAGE

01)	-0.8 PPM	BOILER 1 CO READING
02)	21.18 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	98.6 %	TAR TANK LEVEL
05)	-4 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	121.6 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	368.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.51 °C	T-900 TEMP
13)	0.22 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq



(1) 5.2 PPM CO ROLLING AVERAGE
(2) 1422.3 DEG F TEMP ROLLING AVERAGE
(3) 0.0 Tar Flow Hr Avg
(1) 0 Gal Tar Flow Total
(2) 1206 CFM NG TOTAL FLOW X 10
:00:00 12/23/92 JOB LOG BOILER 1 POINTS

-900 TAR TANK LEVEL

(1) 5.7 PPM BOILER 1 CO READING
(2) 9.36 % BOILER 1 O2 READING
(3) -0.5 PSIG BOILER 1 RECY PRESS
(4) 99.0 % TAR TANK LEVEL
(5) 459 #/HR BOILER STM FLOW X 10
(6) 86.8 CFM NG FLOW FT-301
(7) 1980.6 CFM BOILER 1 AIR FLOW
(8) 0.00 GPM TAR FLOW
(9) 1269.1 DEG F BOILER 1 CHAMB TEMP
(0) >RANGE °F BOILER 1 STACK TEMP
(1) CAL MODE Calibration Interlok
(2) 125.17 °C T-900 TEMP
(3) 24.97 Hz. Fan Drive Freq
(4) 0.22 HZ Tar Pump Freq
(1) 7.5 PPM CO ROLLING AVERAGE
(2) 942.9 DEG F TEMP ROLLING AVERAGE
(3) 0.0 Tar Flow Hr Avg
(1) 0 Gal Tar Flow Total
(2) 459 CFM NG TOTAL FLOW X 10
:00:00 12/23/92 JOB LOG BOILER 1 POINTS

-1 BOILER 1 RECY PRESS

(1) 10.4 PPM BOILER 1 CO READING
(2) 10.42 % BOILER 1 O2 READING
(3) -0.4 PSIG BOILER 1 RECY PRESS
(4) 98.8 % TAR TANK LEVEL
(5) 66 #/HR BOILER STM FLOW X 10
(6) 71.8 CFM NG FLOW FT-301
(7) 2028.2 CFM BOILER 1 AIR FLOW
(8) 0.00 GPM TAR FLOW
(9) 537.2 DEG F BOILER 1 CHAMB TEMP
(0) >RANGE °F BOILER 1 STACK TEMP
(1) CAL MODE Calibration Interlok
(2) 125.16 °C T-900 TEMP
(3) 25.03 Hz. Fan Drive Freq
(4) 0.22 HZ Tar Pump Freq
(001) 10.9 PPM CO ROLLING AVERAGE
(002) 327.7 DEG F TEMP ROLLING AVERAGE
(003) 0.0 Tar Flow Hr Avg

D(3)	0.0	Tar Flow Hr Avg
T(1)	0 Gal	Tar Flow Total
T(2)	2519 CFM	NG TOTAL FLOW X 10

11:00:00 12/23/92 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

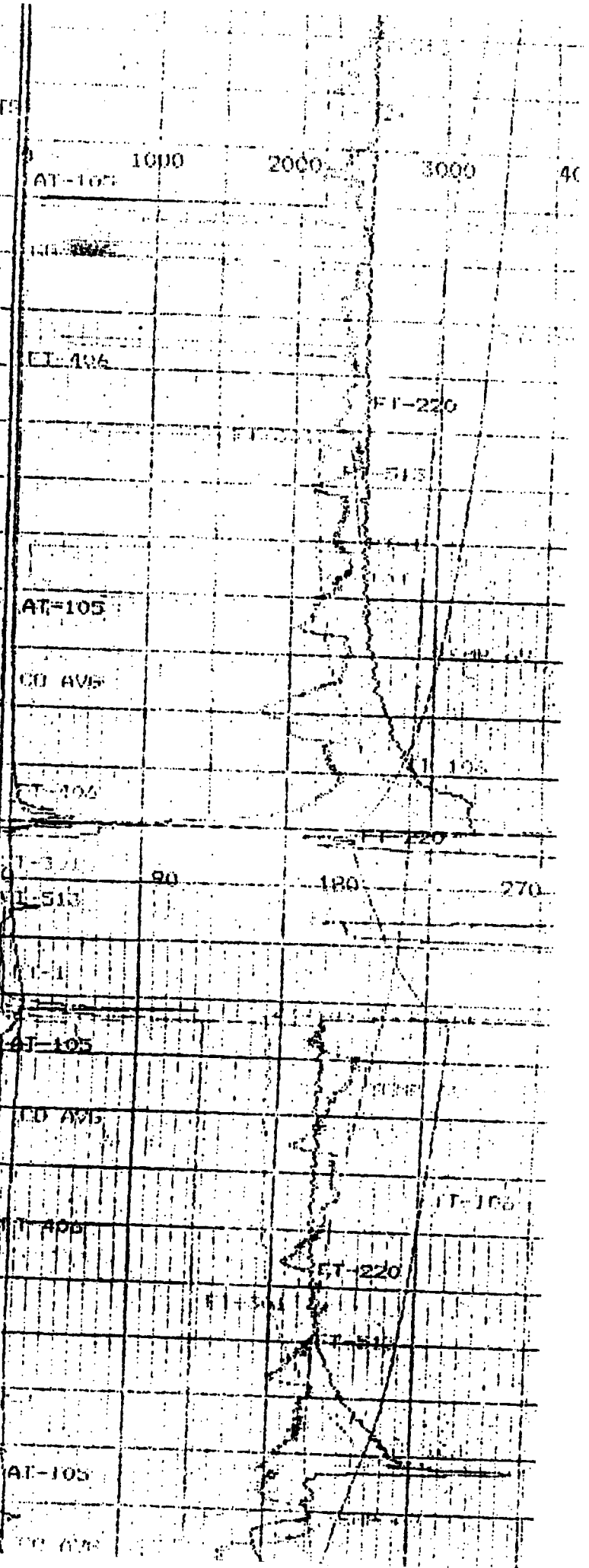
(1)	1.2 PPM	BOILER 1 CO READING
(2)	21.16 %	BOILER 1 O2 READING
(3)	-0.5 PSIG	BOILER 1 RECY PRESS
(4)	100.5 %	TAR TANK LEVEL
(5)	-5 #/HR	BOILER STM FLOW X 10
(6)	-3.1 CFM	NG FLOW FT-301
(7)	2288.4 CFM	BOILER 1 AIR FLOW
(8)	0.00 GPM	TAR FLOW
(9)	1275.9 DEG F	BOILER 1 CHAMB TEMP
(10)	>RANGE °F	BOILER 1 STACK TEMP
(11)	CAL MODE	Calibration Interlok
(12)	125.21 °C	T-900 TEMP
(13)	29.93 Hz.	Fan Drive Freq
(14)	0.22 HZ	Tar Pump Freq
D(1)	7.1 PPM	CO ROLLING AVERAGE
D(2)	1467.3 DEG F	TEMP ROLLING AVERAGE
D(3)	0.0	Tar Flow Hr Avg
T(1)	0 Gal	Tar Flow Total
T(2)	1870 CFM	NG TOTAL FLOW X 10

11:00:00 12/23/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

(1)	16.8 PPM	BOILER 1 CO READING
(2)	10.07 %	BOILER 1 O2 READING
(3)	-0.4 PSIG	BOILER 1 RECY PRESS
(4)	100.5 %	TAR TANK LEVEL
(5)	417 #/HR	BOILER STM FLOW X 10
(6)	87.6 CFM	NG FLOW FT-301
(7)	2031.1 CFM	BOILER 1 AIR FLOW
(8)	0.00 GPM	TAR FLOW
(9)	1238.4 DEG F	BOILER 1 CHAMB TEMP
(10)	>RANGE °F	BOILER 1 STACK TEMP
(11)	CAL MODE	Calibration Interlok
(12)	125.26 °C	T-900 TEMP
(13)	25.96 Hz.	Fan Drive Freq
(14)	0.67 HZ	Tar Pump Freq
D(1)	15.7 PPM	CO ROLLING AVERAGE
D(2)	1214.5 DEG F	TEMP ROLLING AVERAGE
D(3)	0.0	Tar Flow Hr Avg
T(1)	0 Gal	Tar Flow Total
T(2)	1379 CFM	NG TOTAL FLOW X 10

11:00:00 12/23/92 JOB LOG BOILER 1 POINTS



15:15:13 12/23/92 PRINTER ON TRACE PRIORITY 5m/hr

ON 12/16/92 12:40:56

OFF 12/23/92 15:00

(W)

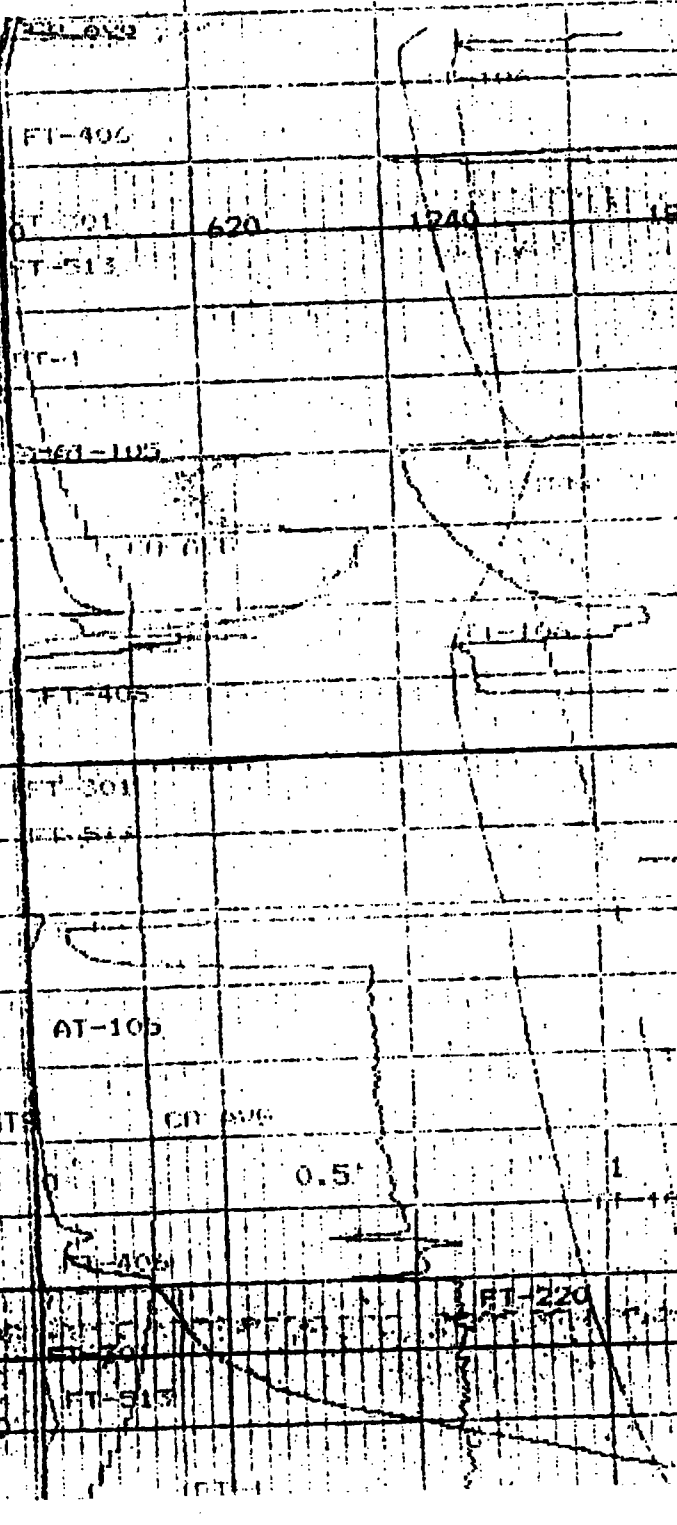
(12) 125.40 °C T-900 TEMP
(13) 53.41 Hz. Fan Drive Freq
(14) 0.22 HZ Tar Pump Freq
D(1) 4.2 PPM CO ROLLING AVERAGE
D(2) 1271.7 DEG F TEMP ROLLING AVERAGE
D(3) 0.0 Tar Flow Hr Avg
T(1) 0 Gal Tar Flow Total
T(2) 2983 CFM NG TOTAL FLOW X 10
14:00:00 12/23/92 JOB LOG BOILER 1 POINTS

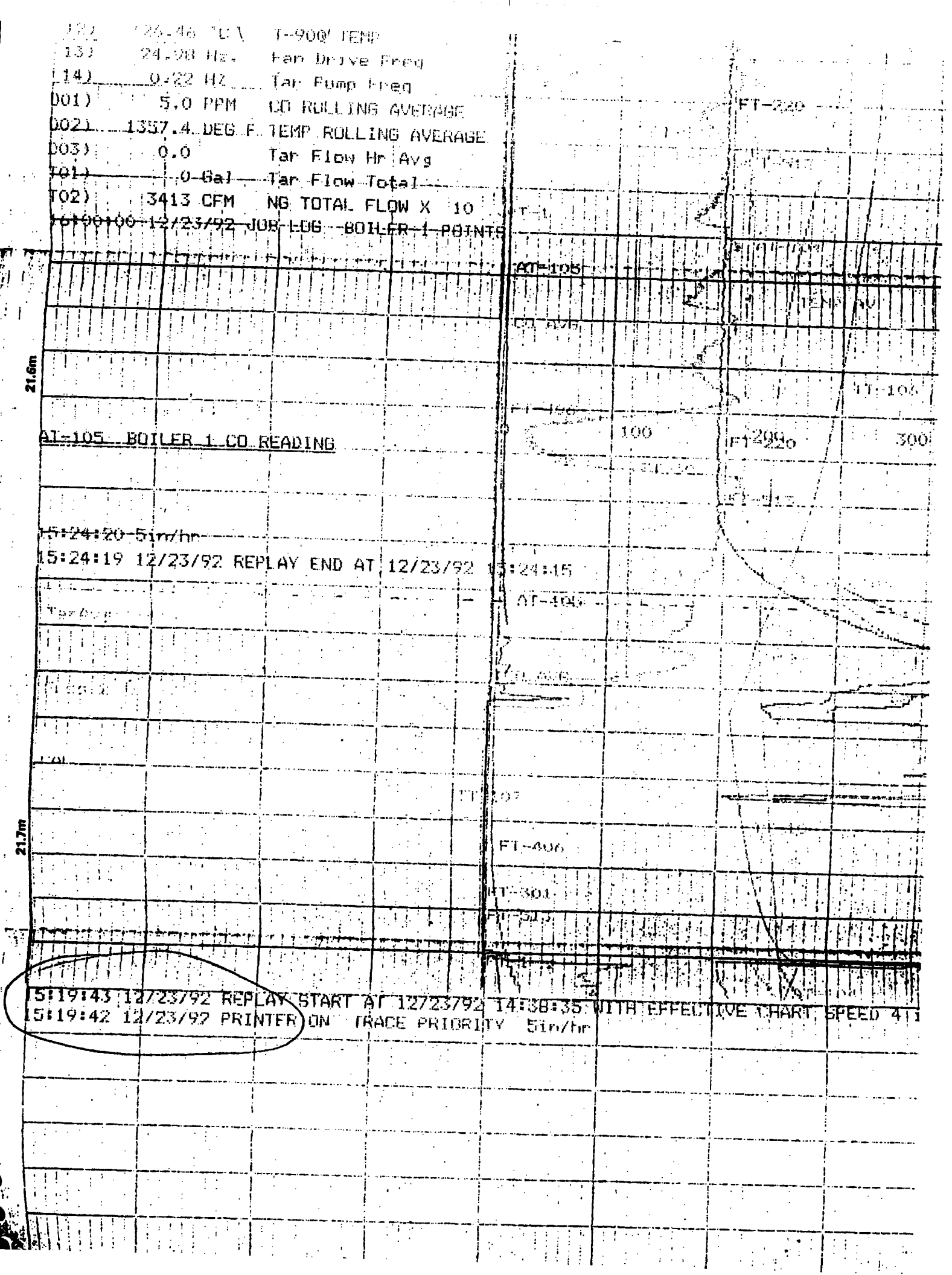
FT-106 BOILER 1 CHAMB TEMP

(1) 2.0 PPM BOILER 1 CO READING
(2) 21.19 % BOILER 1 O2 READING
(3) -0.4 PSIG BOILER 1 RECY PRESS
(4) 99.0 % TAR TANK LEVEL
(5) -3 #/HR BOILER STM FLOW X 10
(6) 1-3.1 CFM NG FLOW FT-301
(7) 1820.4 CFM BOILER 1 AIR FLOW
(8) +0.00 GPM TAR FLOW
(9) 1388.2 DEG F BOILER 1 CHAMB TEMP
(10) >RANGE °F BOILER 1 STACK TEMP
(11) CAL MODE Calibration Interlok
(12) 125.29 °C T-900 TEMP
(13) 24.99 Hz. Fan Drive Freq
(14) 0.22 HZ Tar Pump Freq
D(1) 5.3 PPM CO ROLLING AVERAGE
D(2) 1692.3 DEG F TEMP ROLLING AVERAGE
D(3) -0.0 Tar Flow Hr Avg
T(1) 0 Gal Tar Flow Total
T(2) 2877 CFM NG TOTAL FLOW X 10
14:00:00 12/23/92 JOB LOG BOILER 1 POINTS

FT-406 TAR FLOW

(1) 4.6 PPM BOILER 1 CO READING
(2) 19.10 % BOILER 1 O2 READING
(3) -0.4 PSIG BOILER 1 RECY PRESS
(4) 99.3 % TAR TANK LEVEL
(5) 430 #/HR BOILER STM FLOW X 10
(6) 109.8 CFM NG FLOW FT-301





12) 26.46 °C T-900 TEMP
13) 24.98 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
D01) 5.0 PPM CO ROLLING AVERAGE
D02) 1357.4 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3413 CFM NG TOTAL FLOW X 10
16:00:00 12/23/92 JOB LOG BOILER 1 POINTS
AT-105
CO AVG
FT-220
TEMP AV
FT-106
100
200
300
AT-105 BOILER 1 CO READING
15:24:20 5in/hr
15:24:19 12/23/92 REPLAY END AT 12/23/92 15:24:15
AT-105
FT-406
FT-301
21.6m
21.7m
15:19:43 12/23/92 REPLAY START AT 12/23/92 14:38:35 WITH EFFECTIVE CHART SPEED 4
15:19:42 12/23/92 PRINTER ON TRACE PRIORITY 5in/hr

Chessell CHART No. GD244101U100

21.3m

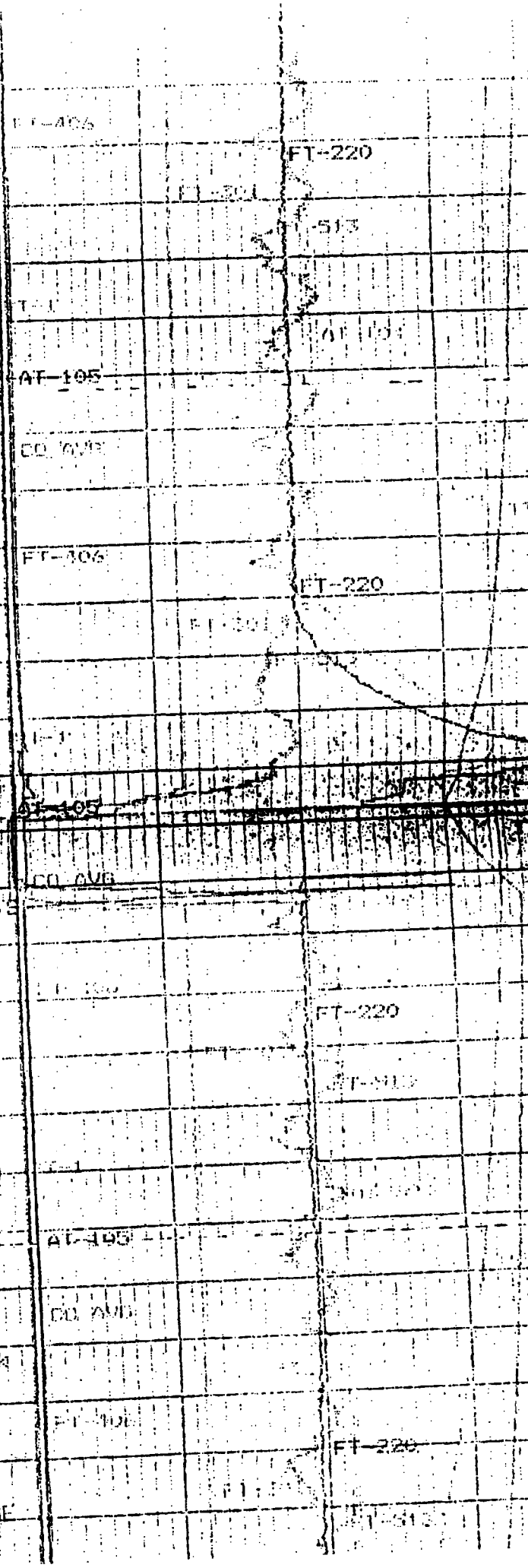
D01) 6.3 PPM CO ROLLING AVERAGE
D02) 1739.4 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 4406 CFM NG TOTAL FLOW X 10
18:00:00 12/23/92 JOB LOG BOILER 1 POINTS

01) 4.0 PPM BOILER 1 CO READING
02) 9.16 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 99.5 % TAR TANK LEVEL
05) 483 #/HR BOILER STM FLOW X 10
06) 88.4 CFM NG FLOW FT-301
07) 1972.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 1799.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 127.68 °C T-900 TEMP
13) 25.03 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
D01) 4.4 PPM CO ROLLING AVERAGE
D02) 1728.1 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3943 CFM NG TOTAL FLOW X 10
17:00:00 12/23/92 JOB LOG BOILER 1 POINTS

21.4m

01) 5.2 PPM BOILER 1 CO READING
02) 9.01 % BOILER 1 O2 READING
03) -0.4 PSIG BOILER 1 RECY PRESS
04) 99.3 % TAR TANK LEVEL
05) 519 #/HR BOILER STM FLOW X 10
06) 88.5 CFM NG FLOW FT-301
07) 1956.5 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 1632.2 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 126.46 °C T-900 TEMP
13) 24.98 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
D01) 5.0 PPM CO ROLLING AVERAGE
D02) 1357.4 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg

21.5m



001)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	6023 CFM	NG TOTAL FLOW X 10

21:00:00 12/23/92 JOB LOG BOILER 1 POINTS

01)	3.8 PPM	BOILER 1 CO READING
02)	8.90 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	99.7 %	TAR TANK LEVEL
05)	559 #/HR	BOILER STM FLOW X 10
06)	89.7 CFM	NG FLOW FT-301
07)	2025.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1957.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.32 °C	T-900 TEMP
13)	24.99 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.8 PPM	CO ROLLING AVERAGE
D02)	1936.6 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5483 CFM	NG TOTAL FLOW X 10

20:00:00 12/23/92 JOB LOG BOILER 1 POINTS

01)	3.8 PPM	BOILER 1 CO READING
02)	8.96 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	99.4 %	TAR TANK LEVEL
05)	550 #/HR	BOILER STM FLOW X 10
06)	89.5 CFM	NG FLOW FT-301
07)	1986.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1914.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.53 °C	T-900 TEMP
13)	24.80 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.9 PPM	CO ROLLING AVERAGE
D02)	1879.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	4944 CFM	NG TOTAL FLOW X 10

19:00:00 12/23/92 JOB LOG BOILER 1 POINTS

21.0m

21.1m

001)	3.5 PPM	CO ROLLING AVERAGE	
002)	2025.6 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
101)	0 Gal	Tar Flow Total	FT-406
102)	7438 CFM	NG TOTAL FLOW X 10	FT-220
00:00:00	12/24/92	JOB LOG BOILER 1 POINTS	FT-301
[illegible]			FT-513
[illegible]			PT-1
[illegible]		BOILER 1 CO READING	AT-104
[illegible]		BOILER 1 O2 READING	
[illegible]		BOILER 1 RECY PRESS	AT-105
[illegible]		TAR TANK LEVEL	
[illegible]		BOILER STM FLOW X 10	CO AVG
06)	89.9 CFM	NG FLOW FT-301	
07)	2002.2 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2020.0 DEG F	BOILER 1 CHAMB TEMP	FT-406
10)	>RANGE °F	BOILER 1 STACK TEMP	FT-220
11)	CAL MODE	Calibration Interlok	FT-301
12)	129.50 °C	T-900 TEMP	
13)	25.04 Hz	Fan Drive Freq	
14)	0.22 Hz	Tar Pump Freq	
001)	3.5 PPM	CO ROLLING AVERAGE	PT-1
002)	2013.5 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	AT-105
101)	0 Gal	Tar Flow Total	
102)	7101 CFM	NG TOTAL FLOW X 10	CO AVG
21:00:00	12/23/92	JOB LOG BOILER 1 POINTS	
			FT-406
			FT-220
01)	3.7 PPM	BOILER 1 CO READING	
02)	8.87 %	BOILER 1 O2 READING	FT-301
03)	-0.4 PSIG	BOILER 1 RECY PRESS	FT-513
04)	99.6 %	TAR TANK LEVEL	
05)	502 #/HR	BOILER STM FLOW X 10	PT-1
06)	89.8 CFM	NG FLOW FT-301	AT-104
07)	2034.9 CFM	BOILER 1 AIR FLOW	AT-105
08)	0.00 GPM	TAR FLOW	
09)	2004.0 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	CO AVG
11)	CAL MODE	Calibration Interlok	
12)	129.37 °C	T-900 TEMP	
13)	24.95 Hz	Fan Drive Freq	FT-406
14)	0.22 Hz	Tar Pump Freq	FT-220
001)	3.7 PPM	CO ROLLING AVERAGE	FT-301
002)	1996.3 DEG F	TEMP ROLLING AVERAGE	

(02) 1598 CFM NG TOTAL FLOW X 10
03:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01)	3.4 PPM	BOILER 1 CO READING
02)	9.31 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	99.4 %	TAR TANK LEVEL
05)	484 #/HR	BOILER STM FLOW X 10
06)	88.6 CFM	NG FLOW FT-301
07)	2019.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2041.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.39 °C	T-900 TEMP
13)	24.97 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.3 PPM	CO ROLLING AVERAGE
D02)	2039.6 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	1066 CFM	NG TOTAL FLOW X 10

02:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01)	3.4 PPM	BOILER 1 CO READING
02)	9.14 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	99.5 %	TAR TANK LEVEL
05)	524 #/HR	BOILER STM FLOW X 10
06)	88.9 CFM	NG FLOW FT-301
07)	2011.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2036.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.44 °C	T-900 TEMP
13)	24.94 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.4 PPM	CO ROLLING AVERAGE
D02)	2033.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	533 CFM	NG TOTAL FLOW X 10

01:00:00 12/24/92 JOB LOG BOILER 1 POINTS

FT-406
FT-220
AT-105
CO AVG
FT-406
FT-220
FT-301
FT-513
AT-105
CO AVG
FT-406
FT-220
AT-105
CO AVG
FT-406
FT-220
FT-513

01)	2.8 PPM	BOILER 1 CO READING
02)	9.28 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	99.6 %	TAR TANK LEVEL
05)	540 #/HR	BOILER STM FLOW X 10
06)	88.3 CFM	NG FLOW FT-301
07)	2001.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2050.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.43 °C	T-900 TEMP
13)	24.96 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	2.9 PPM	CO ROLLING AVERAGE
D02)	2050.2 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	2658 CFM	NG TOTAL FLOW X 10

05:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01)	3.4 PPM	BOILER 1 CO READING
02)	9.31 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	99.7 %	TAR TANK LEVEL
05)	536 #/HR	BOILER STM FLOW X 10
06)	88.4 CFM	NG FLOW FT-301
07)	2028.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2049.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.38 °C	T-900 TEMP
13)	25.03 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.0 PPM	CO ROLLING AVERAGE
D02)	2047.9 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	2128 CFM	NG TOTAL FLOW X 10

04:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01)	17.6 PPM	BOILER 1 CO READING
02)	21.23 %	BOILER 1 O2 READING
03)	6.8 PSIG	BOILER 1 RECY PRESS
04)	100.6 %	TAR TANK LEVEL
05)	-3 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2250.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1815.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.47 °C	T-900 TEMP
13)	26.67 Hz.	Fan Drive Freq
14)	48.07 HZ	Tar Pump Freq
D01)	8.0 PPM	CO ROLLING AVERAGE
D02)	2038.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	4179 CFM	NG TOTAL FLOW X 10

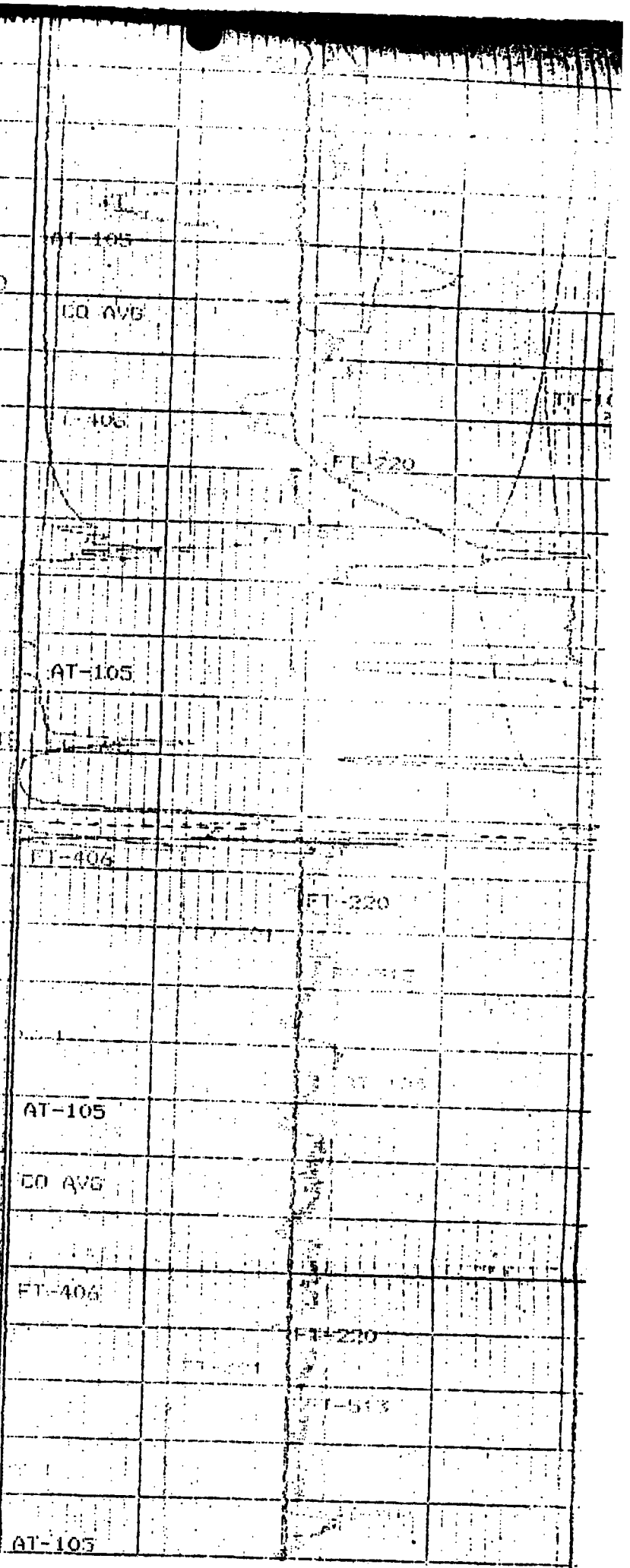
06:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01)	2.8 PPM	BOILER 1 CO READING
02)	9.40 %	BOILER 1 O2 READING
03)	0.5 PSIG	BOILER 1 RECY PRESS
04)	99.6 %	TAR TANK LEVEL
05)	33 #/HR	BOILER STM FLOW X 10
06)	86.2 CFM	NG FLOW FT-301
07)	2009.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2052.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	129.28 °C	T-900 TEMP
13)	24.95 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	2.8 PPM	CO ROLLING AVERAGE

VARNER 1st SHIFT 12/24/92 07:10:47

D02)	2052.6 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	3716 CFM	NG TOTAL FLOW X 10

07:00:00 12/24/92 JOB LOG BOILER 1 POINTS



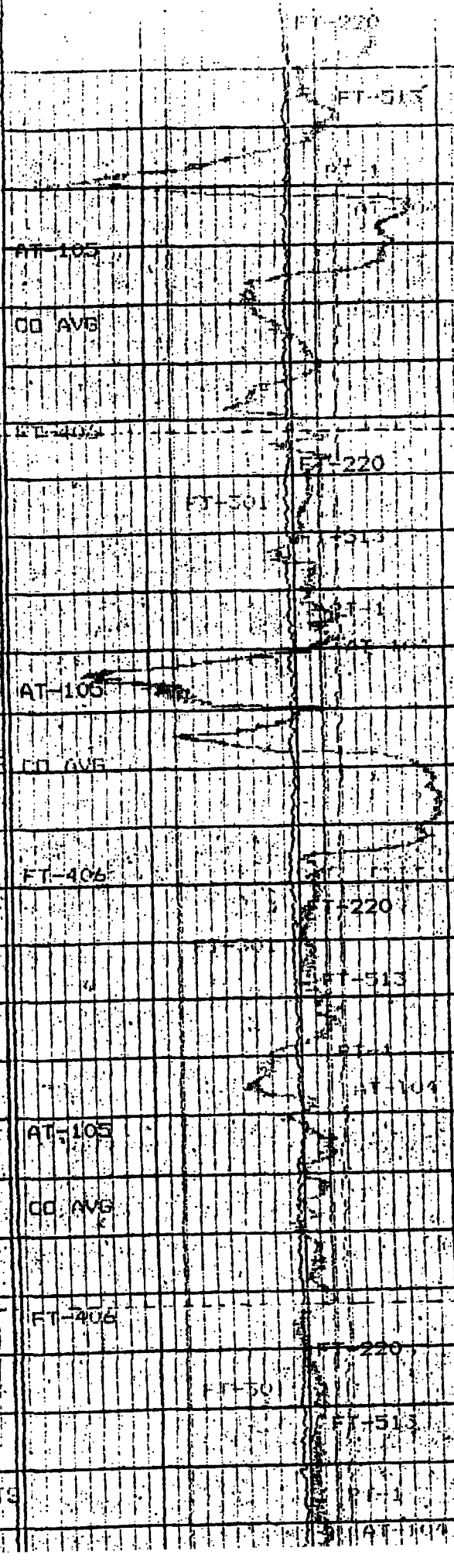
12:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01)	3.4 PPM	BOILER 1 CO READING
02)	9.49 %	BOILER 1 O2 READING
03)	72.2 PSIG	BOILER 1 RECY PRESS
04)	99.3 %	TAR TANK LEVEL
05)	695 #/HR	BOILER STM FLOW X 10
06)	1088.2 CFM	NG FLOW FT-301
07)	1965.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2021.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	128.12 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
14)	48.52 HZ.	Tar Pump Freq
D01)	3.8 PPM	CO ROLLING AVERAGE
D02)	2012.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5620 CFM	NG TOTAL FLOW X 10

11:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01)	4.0 PPM	BOILER 1 CO READING
02)	9.40 %	BOILER 1 O2 READING
03)	72.1 PSIG	BOILER 1 RECY PRESS
04)	99.5 %	TAR TANK LEVEL
05)	523 #/HR	BOILER STM FLOW X 10
06)	88.0 CFM	NG FLOW FT-301
07)	1947.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2001.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	128.56 °C	T-900 TEMP
13)	25.03 Hz.	Fan Drive Freq
14)	48.36 HZ	Tar Pump Freq
D01)	4.5 PPM	CO ROLLING AVERAGE
D02)	1980.2 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5091 CFM	NG TOTAL FLOW X 10

10:00:00 12/24/92 JOB LOG BOILER 1 POINTS



T02) 7772 CFM NG TOTAL FLOW X 10
15:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01) 3.0 PPM BOILER 1 CO READING
02) 9.81 % BOILER 1 O2 READING
03) 72.1 PSIG BOILER 1 RECY PRESS
04) 99.2 % TAR TANK LEVEL
05) 565 #/HR BOILER STM FLOW X 10
06) 87.1 CFM NG FLOW FT-301
07) 1970.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2046.4 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 126.60 °C T-900 TEMP
13) 25.00 Hz. Fan Drive Freq
14) 48.54 HZ Tar Pump Freq
D01) 3.1 PPM CO ROLLING AVERAGE
D02) 2044.1 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 7193 CFM NG TOTAL FLOW X 10
14:00:00 12/24/92 JOB LOG BOILER 1 POINTS

01) 3.4 PPM BOILER 1 CO READING
02) 9.70 % BOILER 1 O2 READING
03) 72.1 PSIG BOILER 1 RECY PRESS
04) 99.1 % TAR TANK LEVEL
05) 482 #/HR BOILER STM FLOW X 10
06) 87.3 CFM NG FLOW FT-301
07) 1963.3 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2041.7 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 127.08 °C T-900 TEMP
13) 25.04 Hz. Fan Drive Freq
14) 48.53 HZ Tar Pump Freq
D01) 3.2 PPM CO ROLLING AVERAGE
D02) 2037.6 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 6670 CFM NG TOTAL FLOW X 10
13:00:00 12/24/92 JOB LOG BOILER 1 POINTS

AT-105
CO AVG
FT-220
AT-103
CO AVG
FT-406
FT-220
AT-105
CO AVG
FT-406
FT-220
FT-301
FT-513

01)	2.8 PPM	BOILER 1 CO READING	
02)	8.36 %	BOILER 1 O2 READING	
03)	72.3 PSIG	BOILER 1 RECY PRESS	
04)	99.1 %	TAR TANK LEVEL	AT-105
05)	584 #/HR	BOILER STM FLOW X 10	
06)	98.6 CFM	NG FLOW FT-301	CO AVG
07)	1962.3 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2053.2 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	FT-406
11)	CAL MODE	Calibration Interlok	FT-220
12)	125.57 °C	T-900 TEMP	
13)	25.04 Hz.	Fan Drive Freq	
14)	48.54 HZ	Tar Pump Freq	
001)	2.7 PPM	CO ROLLING AVERAGE	
002)	2052.3 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	AT-105
T02)	8969 CFM	NG TOTAL FLOW X 10	
17:00:00	12/24/92	JOB LOG BOILER 1 POINTS	CO AVG

01)	2.8 PPM	BOILER 1 CO READING	FT-106
02)	8.16 %	BOILER 1 O2 READING	FT-220
03)	72.0 PSIG	BOILER 1 RECY PRESS	
04)	99.1 %	TAR TANK LEVEL	FT-515
05)	594 #/HR	BOILER STM FLOW X 10	
06)	99.9 CFM	NG FLOW FT-301	
07)	1973.0 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2051.0 DEG F	BOILER 1 CHAMB TEMP	AT-105
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	CO AVG
12)	125.65 °C	T-900 TEMP	
13)	25.04 Hz.	Fan Drive Freq	
14)	48.54 HZ	Tar Pump Freq	
001)	2.8 PPM	CO ROLLING AVERAGE	FT-406
002)	2049.7 DEG F	TEMP ROLLING AVERAGE	FT-220
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	8372 CFM	NG TOTAL FLOW X 10	FT-313
16:00:00	12/24/92	JOB LOG BOILER 1 POINTS	

			AT-105
01)	2.8 PPM	BOILER 1 CO READING	

01)	0 Gal	Tar Flow Total
02)	11.52 CFM	NG TOTAL FLOW X 10

21:00:00 12/24/92 JOB LOG BOILER 1 POINTS

17.9m

01)	2.8 PPM	BOILER 1 CO READING
02)	8.24 %	BOILER 1 O2 READING
03)	72.2 PSIG	BOILER 1 RECY PRESS
04)	99.2 %	TAR TANK LEVEL
05)	607 #/HR	BOILER STM FLOW X 10
06)	99.7 CFM	NG FLOW FT-301
07)	1916.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2056.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.50 °C	T-900 TEMP
13)	25.28 Hz.	Fan Drive Freq
14)	48.31 HZ	Tar Pump Freq
D01)	2.7 PPM	CO ROLLING AVERAGE
D02)	2056.3 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	10.53 CFM	NG TOTAL FLOW X 10

20:00:00 12/24/92 JOB LOG BOILER 1 POINTS

16.0m

01)	2.8 PPM	BOILER 1 CO READING
02)	8.21 %	BOILER 1 O2 READING
03)	72.3 PSIG	BOILER 1 RECY PRESS
04)	99.1 %	TAR TANK LEVEL
05)	580 #/HR	BOILER STM FLOW X 10
06)	99.4 CFM	NG FLOW FT-301
07)	1970.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2056.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.45 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
14)	48.49 HZ	Tar Pump Freq
D01)	2.7 PPM	CO ROLLING AVERAGE
D02)	2055.2 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	10.55 CFM	NG TOTAL FLOW X 10

19:00:00 12/24/92 JOB LOG BOILER 1 POINTS

18.1m

01)	2.8	PPM	BOILER 1 CO READING	
02)	8.30	%	BOILER 1 O2 READING	
03)	72.0	PSIG	BOILER 1 RECY PRESS	
04)	99.1	%	TAR TANK LEVEL	AT-105
05)	605	#/HR	BOILER STM FLOW X 10	
06)	99.3	CFM	NG FLOW FT-301	
07)	1963.3	CFM	BOILER 1 AIR FLOW	CO AVG
08)	0.00	GPM	TAR FLOW	
09)	2057.3	DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE	°F	BOILER 1 STACK TEMP	FT-406
11)	CAL MODE		Calibration Interlok	FT-220
12)	125.43	°C	T-900 TEMP	
13)	25.00	Hz.	Fan Drive Freq	FT-301
14)	48.31	HZ	Tar Pump Freq	FT-313
D01)	2.4	PPM	CO ROLLING AVERAGE	
D02)	2057.1	DEG F	TEMP ROLLING AVERAGE	
D03)	0.0		Tar Flow Hr Avg	
T01)	0	Gal	Tar Flow Total	
T02)	12547	CFM	NG TOTAL FLOW X 10	AT-105
23:00:00	12/24/92		JOB LOG BOILER 1 POINTS	
				CO AVG
01)	2.8	PPM	BOILER 1 CO READING	FT-406
02)	8.13	%	BOILER 1 O2 READING	FT-220
03)	72.0	PSIG	BOILER 1 RECY PRESS	
04)	99.3	%	TAR TANK LEVEL	FT-313
05)	604	#/HR	BOILER STM FLOW X 10	
06)	99.3	CFM	NG FLOW FT-301	
07)	2000.1	CFM	BOILER 1 AIR FLOW	
08)	0.00	GPM	TAR FLOW	
09)	2056.6	DEG F	BOILER 1 CHAMB TEMP	AT-105
10)	>RANGE	°F	BOILER 1 STACK TEMP	
11)	CAL MODE		Calibration Interlok	CO AVG
12)	125.45	°C	T-900 TEMP	
13)	25.04	Hz.	Fan Drive Freq	
14)	48.31	HZ	Tar Pump Freq	
D01)	2.6	PPM	CO ROLLING AVERAGE	FT-406
D02)	2057.0	DEG F	TEMP ROLLING AVERAGE	FT-220
D03)	0.0		Tar Flow Hr Avg	
T01)	0	Gal	Tar Flow Total	
T02)	11950	CFM	NG TOTAL FLOW X 10	
22:00:00	12/24/92		JOB LOG BOILER 1 POINTS	
				AT-105
01)	2.7	PPM	BOILER 1 CO READING	
02)	8.15	%	BOILER 1 O2 READING	CO AVG
03)	72.1	PSIG	BOILER 1 RECY PRESS	

Chessell CHART No. GD244101U100

17.2m

01)	2.5 PPM	BOILER 1 CO READING	
02)	8.39 %	BOILER 1 O2 READING	
03)	72.0 PSIG	BOILER 1 RECY PRESS	
04)	99.1 %	TAR TANK LEVEL	
05)	592 #/HR	BOILER STM FLOW X 10	AT-105
06)	98.2 CFM	NG FLOW FT-301	
07)	1970.2 CFM	BOILER 1 AIR FLOW	CO AVG
08)	0.00 GPM	TAR FLOW	
09)	2056.9 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	FT-406
12)	125.50 °C	T-900 TEMP	FT-220
13)	25.04 Hz.	Fan Drive Freq	
14)	48.32 HZ	Tar Pump Freq	
001)	2.3 PPM	CO ROLLING AVERAGE	
002)	2057.3 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	1183 CFM	NG TOTAL FLOW X 10	AT-105
01:00:00	12/25/92	JOB LOG BOILER 1 POINTS	
			CO AVG
01)	2.2 PPM	BOILER 1 CO READING	FT-406
02)	8.33 %	BOILER 1 O2 READING	FT-220
03)	72.0 PSIG	BOILER 1 RECY PRESS	
04)	99.1 %	TAR TANK LEVEL	
05)	591 #/HR	BOILER STM FLOW X 10	
06)	98.7 CFM	NG FLOW FT-301	
07)	1908.6 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2056.9 DEG F	BOILER 1 CHAMB TEMP	AT-105
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.40 °C	T-900 TEMP	
13)	25.04 Hz.	Fan Drive Freq	
14)	48.32 HZ	Tar Pump Freq	
001)	2.3 PPM	CO ROLLING AVERAGE	
002)	2057.0 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	FT-220
T01)	0 Gal	Tar Flow Total	
T02)	592 CFM	NG TOTAL FLOW X 10	
01:00:00	12/25/92	JOB LOG BOILER 1 POINTS	
			AT-105

17.3m

1m

002) 2057.2 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3537 CFM NG TOTAL FLOW X 10
06:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01) 3.4 PPM BOILER 1 CO READING
02) 8.24 % BOILER 1 O2 READING
03) 72.2 PSIG BOILER 1 RECY PRESS
04) 99.1 % TAR TANK LEVEL
05) 578 #/HR BOILER STM FLOW X 10
06) 98.1 CFM NG FLOW FT-301
07) 1923.0 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2054.6 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.44 °C T-900 TEMP
13) 24.87 Hz. Fan Drive Freq
14) 48.31 HZ Tar Pump Freq
D01) 2.7 PPM CO ROLLING AVERAGE
D02) 2057.0 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 2950 CFM NG TOTAL FLOW X 10
05:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01) 2.6 PPM BOILER 1 CO READING
02) 8.24 % BOILER 1 O2 READING
03) 72.1 PSIG BOILER 1 RECY PRESS
04) 99.0 % TAR TANK LEVEL
05) 578 #/HR BOILER STM FLOW X 10
06) 98.0 CFM NG FLOW FT-301
07) 1944.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2057.7 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.48 °C T-900 TEMP
13) 25.00 Hz. Fan Drive Freq
14) 48.38 HZ Tar Pump Freq
D01) 2.4 PPM CO ROLLING AVERAGE
D02) 2057.1 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total

AT-105
CO AVG
FT-406
AT-105
CO AVG
AT-105
CO AVG
FT-406
FT-220
FT-313
FT-301
FT-220
FT-313
FT-220
FT-313
FT-301
FT-220
FT-301

Chessell CHART No. GD244101U100
16.8m
16.9m

001)	0.1 PPM	CO ROLLING AVERAGE
002)	2058.7 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5297 CFM	NG TOTAL FLOW X 10

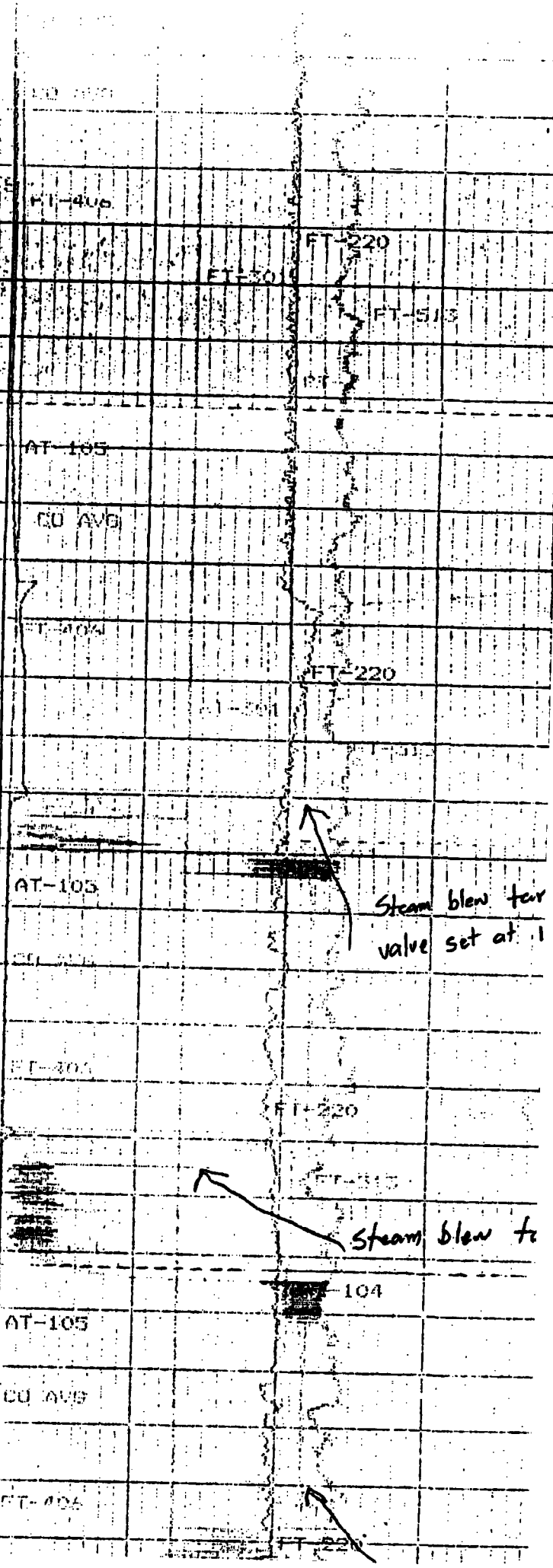
09:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01)	5.7 PPM	BOILER 1 CO READING
02)	8.27 %	BOILER 1 O2 READING
03)	72.2 PSIG	BOILER 1 RECY PRESS
04)	99.4 %	TAR TANK LEVEL
05)	602 #/HR	BOILER STM FLOW X 10
06)	97.7 CFM	NG FLOW FT-301
07)	1994.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2056.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.84 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
14)	48.31 HZ	Tar Pump Freq
001)	5.7 PPM	CO ROLLING AVERAGE
002)	2057.2 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	4710 CFM	NG TOTAL FLOW X 10

08:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01)	5.3 PPM	BOILER 1 CO READING
02)	8.45 %	BOILER 1 O2 READING
03)	62.3 PSIG	BOILER 1 RECY PRESS
04)	99.1 %	TAR TANK LEVEL
05)	594 #/HR	BOILER STM FLOW X 10
06)	97.9 CFM	NG FLOW FT-301
07)	1940.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2057.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.38 °C	T-900 TEMP
13)	24.82 Hz.	Fan Drive Freq
14)	48.31 HZ	Tar Pump Freq
001)	4.9 PPM	CO ROLLING AVERAGE
002)	2057.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg

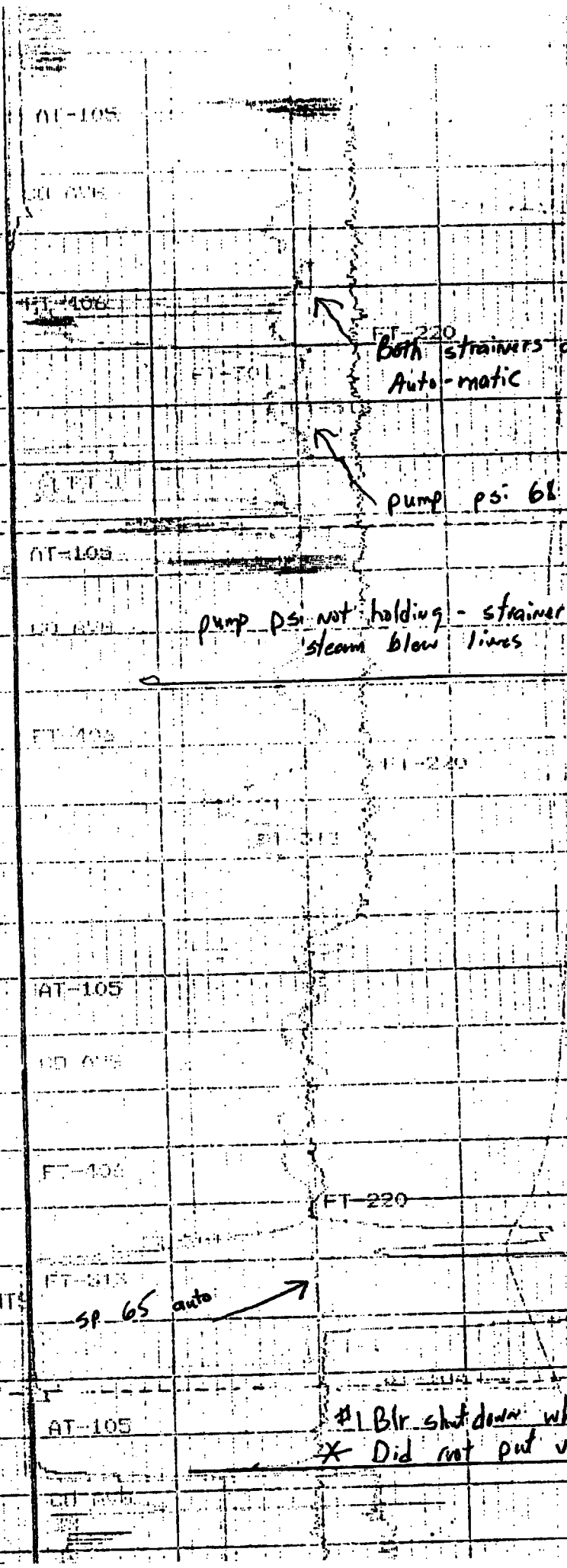
VARNER 1st SHIFT 12/25/92 07:08:19



02)	20.76 %	BOILER 1 O2 READING	
03)	66.9 PSIG	BOILER 1 RECY PRESS	
04)	99.5 %	TAR TANK LEVEL	
05)	471 #/HR	BOILER STM FLOW X 10	
06)	86.9 CFM	NG FLOW FT-301	
07)	2385.1 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	1985.9 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.59 °C	T-900 TEMP	
13)	29.73 Hz.	Fan Drive Freq	
14)	48.54 HZ	Tar Pump Freq	
001)	1.6 PPM	CO ROLLING AVERAGE	
002)	1900.7 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	6234 CFM	NG TOTAL FLOW X 10	
16.1m 11:00:00 12/25/92 JOB LOG BOILER 1 POINTS			

01)	1.3 PPM	BOILER 1 CO READING	
02)	20.88 %	BOILER 1 O2 READING	
03)	67.0 PSIG	BOILER 1 RECY PRESS	
04)	100.3 %	TAR TANK LEVEL	
05)	0 #/HR	BOILER STM FLOW X 10	
06)	43.1 CFM	NG FLOW FT-301	
07)	4146.3 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	1745.3 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.64 °C	T-900 TEMP	
13)	46.04 Hz.	Fan Drive Freq	
14)	48.55 HZ	Tar Pump Freq	
001)	1.6 PPM	CO ROLLING AVERAGE	
002)	2016.7 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	5752 CFM	NG TOTAL FLOW X 10	
16.2m 10:00:00 12/25/92 JOB LOG BOILER 1 POINTS			

01)	1.3 PPM	BOILER 1 CO READING	
02)	20.76 %	BOILER 1 O2 READING	
03)	65.1 PSIG	BOILER 1 RECY PRESS	
04)	99.3 %	TAR TANK LEVEL	



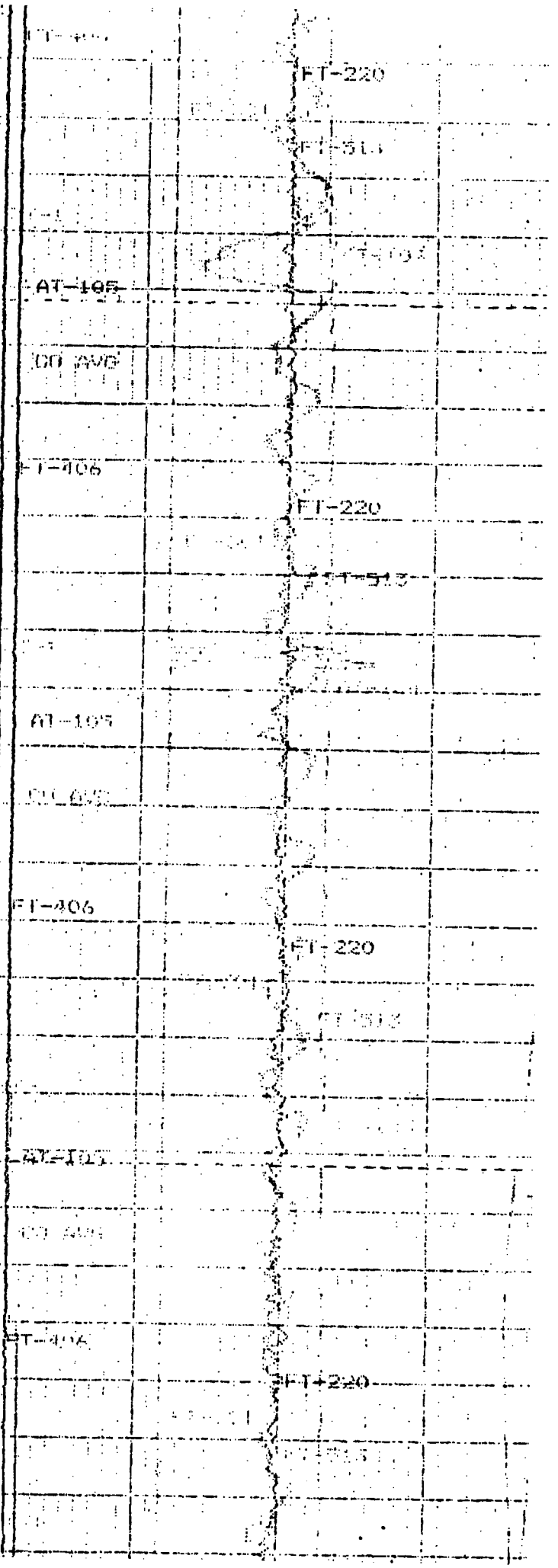
15:00 12/25/92 JOB LOG BOILER 1 POINTS

01)	8.4 PPM	BOILER 1 CO READING
02)	9.40 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	99.9 %	TAR TANK LEVEL
05)	509 #/HR	BOILER STM FLOW X 10
06)	88.6 CFM	NG FLOW FT-301
07)	2003.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1991.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.48 °C	T-900 TEMP
13)	24.97 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	8.8 PPM	CO ROLLING AVERAGE
D02)	1961.9 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	7647 CFM	NG TOTAL FLOW X 10

14:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01)	9.5 PPM	BOILER 1 CO READING
02)	9.49 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	99.8 %	TAR TANK LEVEL
05)	503 #/HR	BOILER STM FLOW X 10
06)	88.2 CFM	NG FLOW FT-301
07)	1978.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1912.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.54 °C	T-900 TEMP
13)	24.90 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	16.2 PPM	CO ROLLING AVERAGE
D02)	1836.3 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	7116 CFM	NG TOTAL FLOW X 10

13:00:00 12/25/92 JOB LOG BOILER 1 POINTS



15.6m
15.7m
15.8m

Chessell CHART No. GD244101U100

01)	8.2 PPM	BOILER 1 CO READING	
02)	9.08 %	BOILER 1 O2 READING	
03)	-0.5 PSIG	BOILER 1 RECY PRESS	
04)	98.6 %	TAR TANK LEVEL	
05)	461 #/HR	BOILER STM FLOW X 10	AT-105
06)	89.2 CFM	NG FLOW FT-301	
07)	2012.2 CFM	BOILER 1 AIR FLOW	
08)	10.00 GPM	TAR FLOW	CO AVG
09)	2041.7 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	FT-406
12)	125.65 °C	T-900 TEMP	FT-220
13)	25.03 Hz.	Fan Drive Freq	
14)	0.22 HZ	Tar Pump Freq	
001)	8.4 PPM	CO ROLLING AVERAGE	
002)	2037.0 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	9251 CFM	NG TOTAL FLOW X 10	
7:00:00	12/25/92	JOB LOG BOILER 1 POINTS	AT-105

01)	8.2 PPM	BOILER 1 CO READING	CO AVG
02)	9.17 %	BOILER 1 O2 READING	FT-406
03)	-0.5 PSIG	BOILER 1 RECY PRESS	FT-220
04)	100.0 %	TAR TANK LEVEL	
05)	495 #/HR	BOILER STM FLOW X 10	
06)	89.3 CFM	NG FLOW FT-301	
07)	1992.5 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2033.5 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	AT-105
11)	CAL MODE	Calibration Interlok	
12)	125.73 °C	T-900 TEMP	CO AVG
13)	25.02 Hz.	Fan Drive Freq	
14)	0.22 HZ	Tar Pump Freq	
001)	8.6 PPM	CO ROLLING AVERAGE	
002)	2024.8 DEG F	TEMP ROLLING AVERAGE	FT-406
003)	0.0	Tar Flow Hr Avg	FT-220
T01)	0 Gal	Tar Flow Total	
T02)	8716 CFM	NG TOTAL FLOW X 10	
16:00:00	12/25/92	JOB LOG BOILER 1 POINTS	

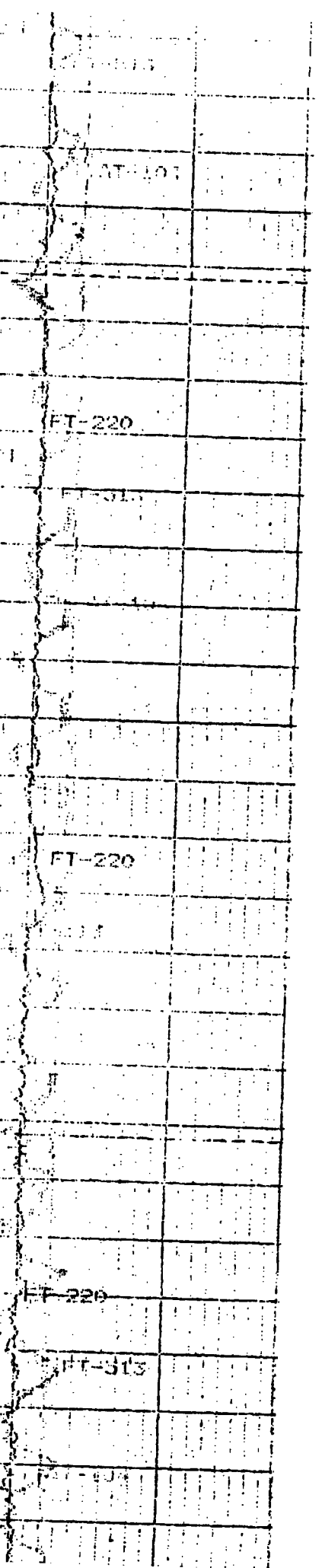
01)	7.1 PPM	BOILER 1 CO READING
02)	9.26 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	97.6 %	TAR TANK LEVEL
05)	492 #/HR	BOILER STM FLOW X 10
06)	88.1 CFM	NG FLOW FT-301
07)	2001.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2055.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.68 °C	T-900 TEMP
13)	24.99 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	7.5 PPM	CO ROLLING AVERAGE
D02)	2053.8 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	10851 CFM	NG TOTAL FLOW X 10

20:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01)	7.5 PPM	BOILER 1 CO READING
02)	9.23 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	100.2 %	TAR TANK LEVEL
05)	560 #/HR	BOILER STM FLOW X 10
06)	89.1 CFM	NG FLOW FT-301
07)	2019.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2053.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.47 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	7.8 PPM	CO ROLLING AVERAGE
D02)	2050.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	10321 CFM	NG TOTAL FLOW X 10

19:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01)	7.6 PPM	BOILER 1 CO READING
02)	9.20 %	BOILER 1 O2 READING



Chassell CHART No. [illegible]

14.5m

01)	7.0 PPM	BOILER 1 CO READING
02)	9.38 %	BOILER 1 O2 READING
03)	-0.4 PSIG	BOILER 1 RECY PRESS
04)	100.2 %	TAR TANK LEVEL
05)	475 #/HR	BOILER STM FLOW X 10
06)	87.4 CFM	NG FLOW FT-301
07)	2003.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2058.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.51 °C	T-900 TEMP
13)	25.05 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	7.1 PPM	CO ROLLING AVERAGE
D02)	2058.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	12436 CFM	NG TOTAL FLOW X 10

23:00:00 12/25/92 JOB LOG BOILER 1 POINTS

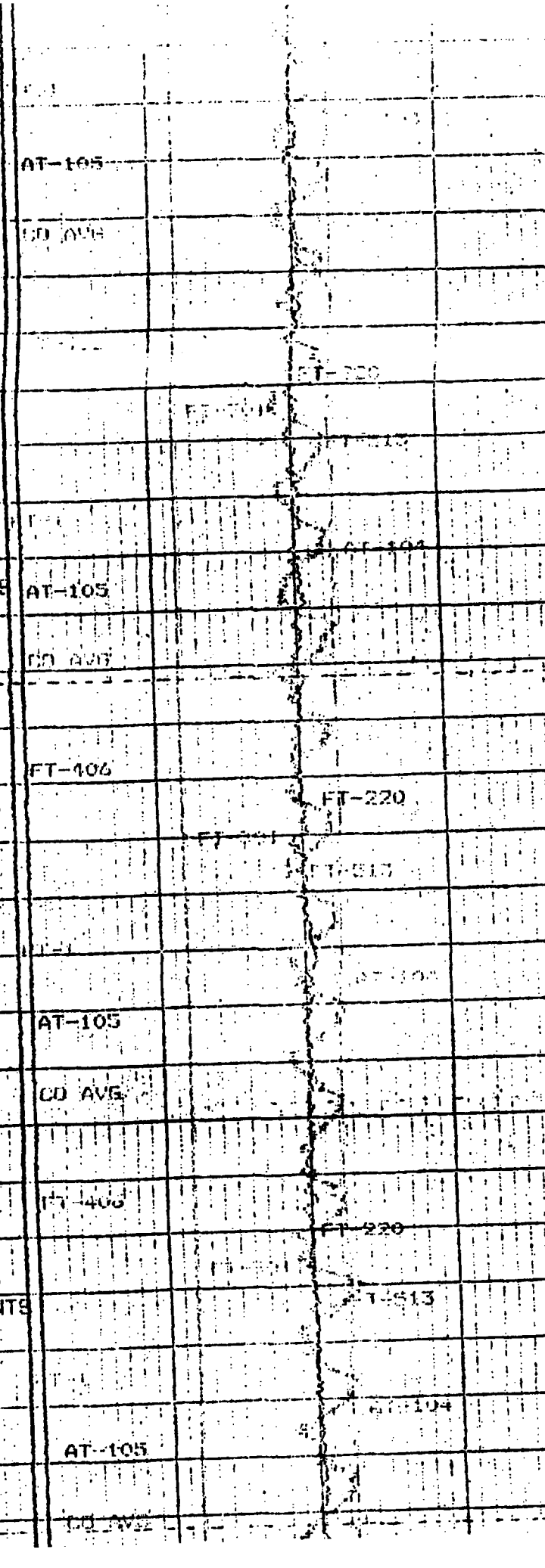
14.6m

01)	7.0 PPM	BOILER 1 CO READING
02)	9.29 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	531 #/HR	BOILER STM FLOW X 10
06)	88.3 CFM	NG FLOW FT-301
07)	1953.2 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2057.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.60 °C	T-900 TEMP
13)	24.88 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	7.3 PPM	CO ROLLING AVERAGE
D02)	2057.5 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	11908 CFM	NG TOTAL FLOW X 10

14.7m

22:00:00 12/25/92 JOB LOG BOILER 1 POINTS

01)	7.0 PPM	BOILER 1 CO READING
02)	9.32 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	97.2 %	TAR TANK LEVEL

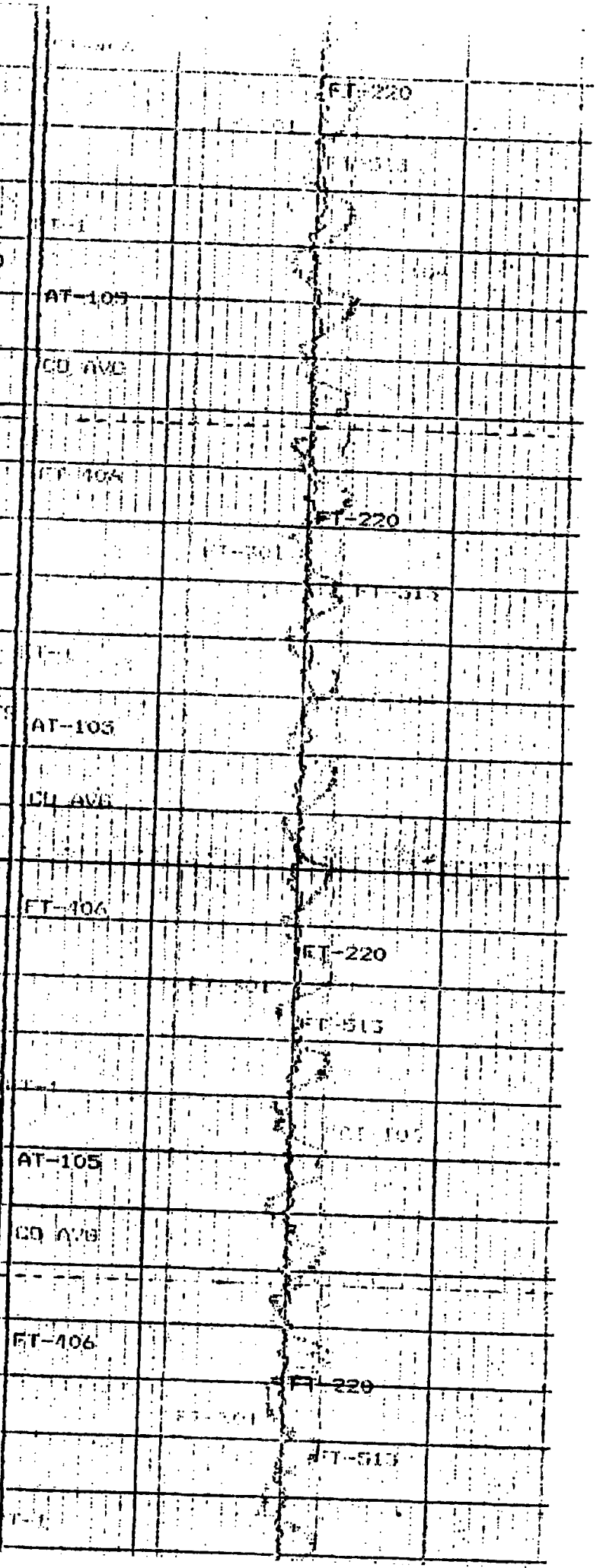


01)	6.4 PPM	BOILER 1 CO READING
02)	9.35 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	100.2 %	TAR TANK LEVEL
05)	480 #/HR	BOILER STM FLOW X 10
06)	88.1 CFM	NG FLOW FT-301
07)	2033.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2060.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.61 °C	T-900 TEMP
13)	25.05 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	6.5 PPM	CO ROLLING AVERAGE
002)	2059.2 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	1052 CFM	NG TOTAL FLOW X 10

02:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	7.0 PPM	BOILER 1 CO READING
02)	9.32 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	87.3 %	TAR TANK LEVEL
05)	557 #/HR	BOILER STM FLOW X 10
06)	87.3 CFM	NG FLOW FT-301
07)	1971.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2059.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.66 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	6.5 PPM	CO ROLLING AVERAGE
002)	2058.8 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	924 CFM	NG TOTAL FLOW X 10

01:00:00 12/26/92 JOB LOG BOILER 1 POINTS



01)	7.0 PPM	BOILER 1 CO READING
02)	9.26 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	99.9 %	TAR TANK LEVEL
05)	484 #/HR	BOILER STM FLOW X 10
06)	88.3 CFM	NG FLOW FT-301
07)	2002.6 CFM	BOILER 1 AIR FLOW
08)	-0.00 GPM	TAR FLOW
09)	2061.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.42 °C	T-900 TEMP
13)	25.05 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	7.0 PPM	CO ROLLING AVERAGE
D02)	2060.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	4230 CFM	NG TOTAL FLOW X 10

08:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	7.0 PPM	BOILER 1 CO READING
02)	9.32 %	BOILER 1 O2 READING
03)	-0.5 PSIG	BOILER 1 RECY PRESS
04)	100.1 %	TAR TANK LEVEL
05)	556 #/HR	BOILER STM FLOW X 10
06)	88.3 CFM	NG FLOW FT-301
07)	2003.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2059.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.50 °C	T-900 TEMP
13)	24.97 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	6.8 PPM	CO ROLLING AVERAGE
D02)	2060.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	3701 CFM	NG TOTAL FLOW X 10

07:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	6.9 PPM	BOILER 1 CO READING

01)	12.9 PPM	BOILER 1 CO READING
02)	12.02 %	BOILER 1 O2 READING
03)	71.9 PSIG	BOILER 1 RECY PRESS
04)	99.5 %	TAR TANK LEVEL
05)	861 #/HR	BOILER STM FLOW X 10
06)	65.8 CFM	NG FLOW FT-301
07)	3818.9 CFM	BOILER 1 AIR FLOW
08)	0.88 GPM	TAR FLOW
09)	2011.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.61 °C	T-900 TEMP
13)	45.23 Hz.	Fan Drive Freq
14)	44.96 HZ	Tar Pump Freq
D01)	10.3 PPM	CO ROLLING AVERAGE
D02)	2028.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.1	Tar Flow Hr Avg
T01)	9 Gal	Tar Flow Total
T02)	5802 CFM	NG TOTAL FLOW X 10

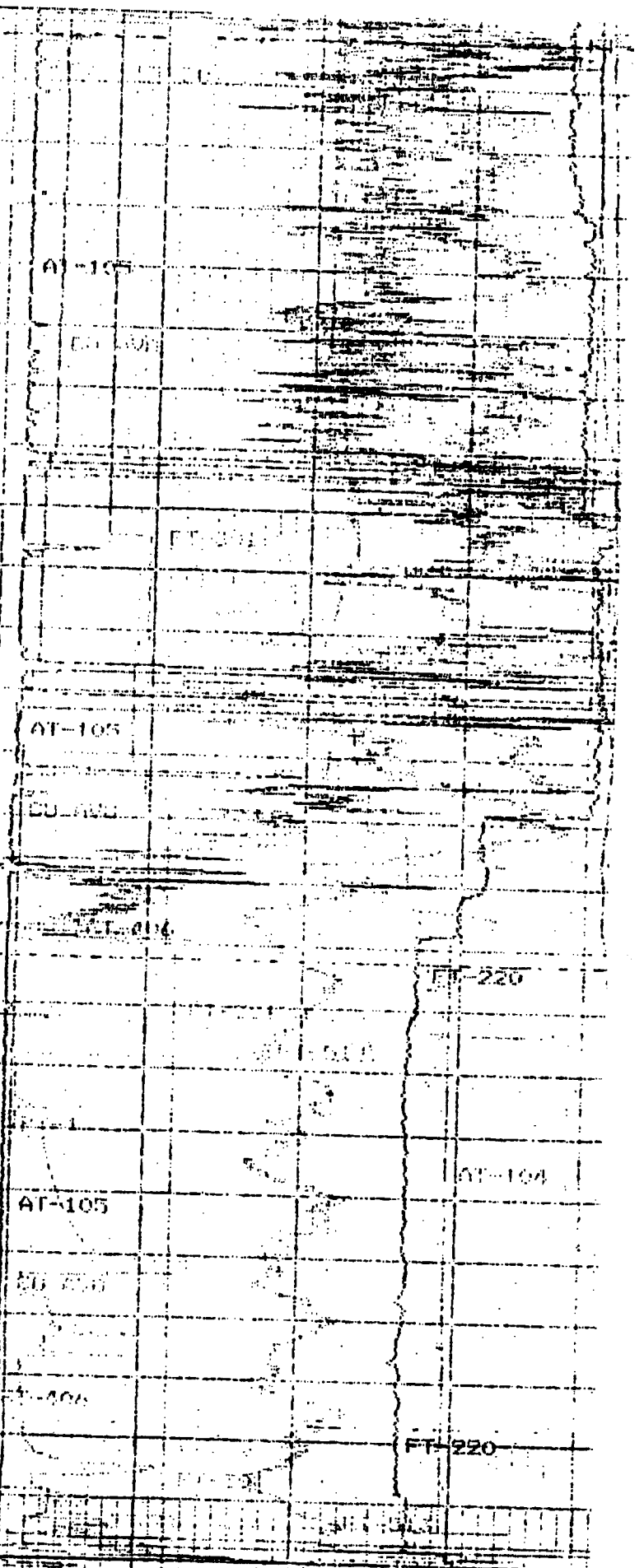
11:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	8.2 PPM	BOILER 1 CO READING
02)	12.17 %	BOILER 1 O2 READING
03)	42.1 PSIG	BOILER 1 RECY PRESS
04)	99.8 %	TAR TANK LEVEL
05)	493 #/HR	BOILER STM FLOW X 10
06)	88.1 CFM	NG FLOW FT-301
07)	2726.0 CFM	BOILER 1 AIR FLOW
08)	0.14 GPM	TAR FLOW
09)	2027.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.54 °C	T-900 TEMP
13)	32.55 Hz.	Fan Drive Freq
14)	48.79 HZ	Tar Pump Freq
D01)	11.9 PPM	CO ROLLING AVERAGE
D02)	2059.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5290 CFM	NG TOTAL FLOW X 10

10:00:00 12/26/92 JOB LOG BOILER 1 POINTS

CAPELL 1st SHIFT 12/26/92 09:51:04

01)	7.6 PPM	BOILER 1 CO READING
02)	8.32 %	BOILER 1 O2 READING



trying to put tar system on line

(13)	42.00 Hz.	Fan Drive Freq
14)	44.96 HZ	Tar Pump Freq
(001)	9.5 PPM	CO ROLLING AVERAGE
(002)	2025.1 DEG F	TEMP ROLLING AVERAGE
(003)	0.0	Tar Flow Hr Avg
T01)	61 Gal	Tar Flow Total
T02)	7624 CFM	NG TOTAL FLOW X 10

15:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	9.4 PPM	BOILER 1 CO READING
02)	10.26 %	BOILER 1 O2 READING
03)	69.1 PSIG	BOILER 1 RECY PRESS
04)	98.7 %	TAR TANK LEVEL
05)	474 #/HR	BOILER STM FLOW X 10
06)	82.2 CFM	NG FLOW FT-301
07)	2021.4 CFM	BOILER 1 AIR FLOW
08)	[redacted] GPM	TAR FLOW
09)	2018.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.47 °C	T-900 TEMP
13)	25.01 Hz.	Fan Drive Freq
14)	44.96 HZ	Tar Pump Freq
001)	9.6 PPM	CO ROLLING AVERAGE
002)	2008.0 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	61 Gal	Tar Flow Total
T02)	7129 CFM	NG TOTAL FLOW X 10

14:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	10.0 PPM	BOILER 1 CO READING
02)	11.47 %	BOILER 1 O2 READING
03)	69.9 PSIG	BOILER 1 RECY PRESS
04)	98.7 %	TAR TANK LEVEL
05)	465 #/HR	BOILER STM FLOW X 10
06)	81.5 CFM	NG FLOW FT-301
07)	2028.2 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	1991.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.62 °C	T-900 TEMP
13)	25.05 Hz.	Fan Drive Freq
14)	44.96 HZ	Tar Pump Freq
001)	25.8 PPM	CO ROLLING AVERAGE
002)	1955.6 DEG F	TEMP ROLLING AVERAGE

12.6m

12.7m

Chessell CHART No. GD244101U100

13)	25.05 Hz.	Fan Drive Freq
14)	44.96 HZ	Tar Pump Freq
001)	9.0 PPM	CO ROLLING AVERAGE
002)	2047.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
01)	61 Gal	Tar Flow Total
02)	9153 CFM	NG TOTAL FLOW X 10

8:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	8.8 PPM	BOILER 1 CO READING
02)	9.67 %	BOILER 1 O2 READING
03)	69.7 PSIG	BOILER 1 RECY PRESS
04)	98.6 %	TAR TANK LEVEL
05)	530 #/HR	BOILER STM FLOW X 10
06)	86.2 CFM	NG FLOW FT-301
07)	2036.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2045.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.63 °C	T-900 TEMP
13)	24.99 Hz.	Fan Drive Freq
14)	44.96 HZ	Tar Pump Freq
001)	9.0 PPM	CO ROLLING AVERAGE
002)	2042.6 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
01)	61 Gal	Tar Flow Total
02)	8636 CFM	NG TOTAL FLOW X 10

7:00:00 12/26/92 JOB LOG BOILER 1 POINTS

01)	9.4 PPM	BOILER 1 CO READING
02)	9.93 %	BOILER 1 O2 READING
03)	70.6 PSIG	BOILER 1 RECY PRESS
04)	98.7 %	TAR TANK LEVEL
05)	479 #/HR	BOILER STM FLOW X 10
06)	84.6 CFM	NG FLOW FT-301
07)	2021.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2038.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.51 °C	T-900 TEMP
13)	25.05 Hz.	Fan Drive Freq
14)	44.96 HZ	Tar Pump Freq
001)	9.4 PPM	CO ROLLING AVERAGE

AT-105
CO AVG
FT-406
FT-220
FT-301
FT-513
AT-105
CO AVG
FT-406
FT-220
FT-301
FT-513
AT-105
CO AVG
FT-406
FT-220
FT-513
AT-105
CO AVG

21:00 12/26/92 JOB LOG BOILER 1 POINTS

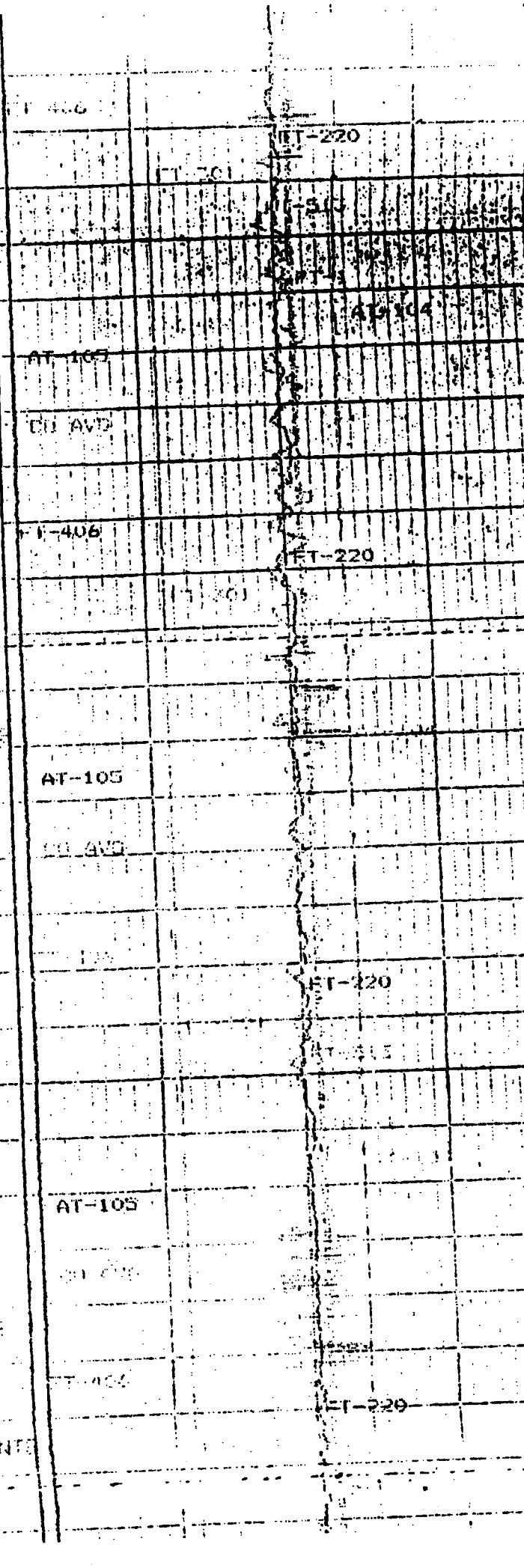
11.8m

01) 9.3 PPM BOILER 1 CO READING
02) 9.84 % BOILER 1 O2 READING
03) 69.8 PSIG BOILER 1 RECY PRESS
04) 98.8 % TAR TANK LEVEL
05) 519 #/HR BOILER STM FLOW X 10
06) 84.4 CFM NG FLOW FT-301
07) 2011.9 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2050.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.44 °C T-900 TEMP
13) 25.05 Hz. Fan Drive Freq
14) 44.96 HZ Tar Pump Freq
D01) 8.7 PPM CO ROLLING AVERAGE
D02) 2050.6 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 61 Gal Tar Flow Total
T02) 10170 CFM NG TOTAL FLOW X 10
20:00:00 12/26/92 JOB LOG BOILER 1 POINTS

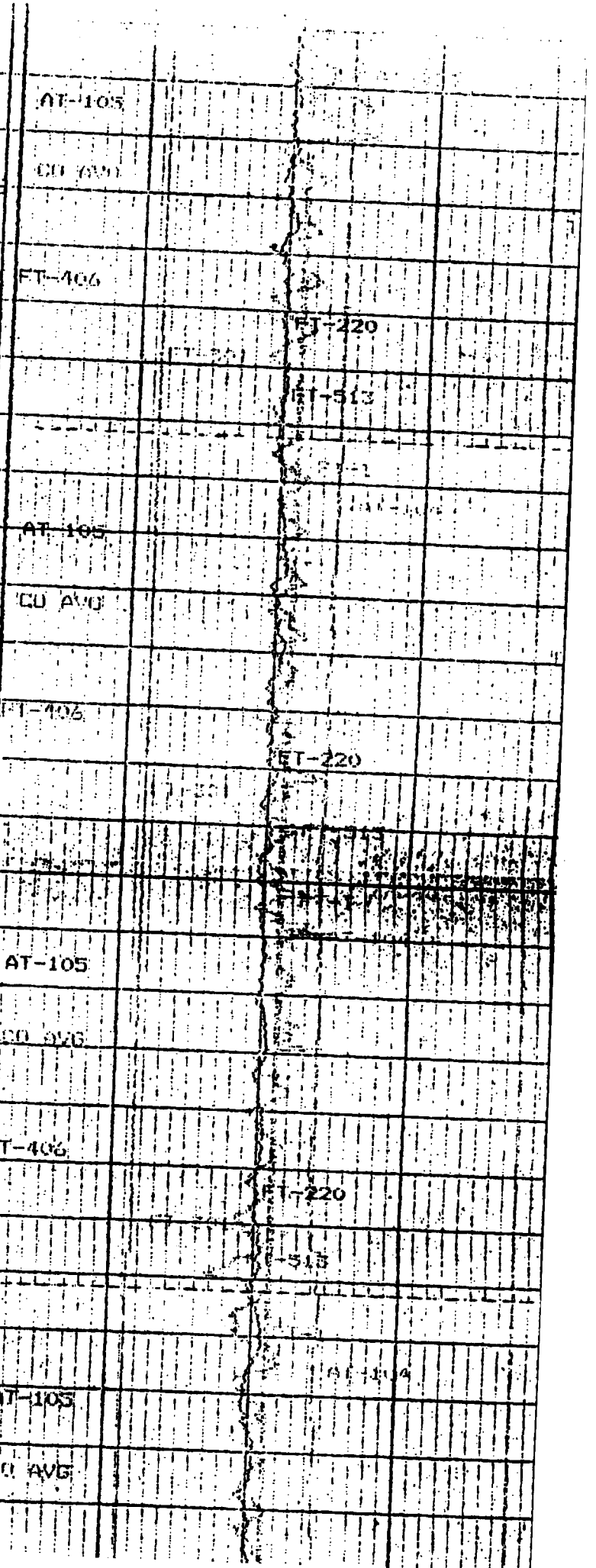
11.9m

01) 9.4 PPM BOILER 1 CO READING
02) 9.84 % BOILER 1 O2 READING
03) 70.3 PSIG BOILER 1 RECY PRESS
04) 99.0 % TAR TANK LEVEL
05) 538 #/HR BOILER STM FLOW X 10
06) 84.6 CFM NG FLOW FT-301
07) 2033.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2049.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.59 °C T-900 TEMP
13) 24.88 Hz. Fan Drive Freq
14) 44.96 HZ Tar Pump Freq
D01) 9.2 PPM CO ROLLING AVERAGE
D02) 2049.8 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 61 Gal Tar Flow Total
T02) 9663 CFM NG TOTAL FLOW X 10
19:00:00 12/26/92 JOB LOG BOILER 1 POINTS

12.0m



14)	02 HZ	Tar Pump Freq	
001)	7.9 PPM	CO ROLLING AVERAGE	
002)	2049.0 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	61 Gal	Tar Flow Total	
T02)	12198 CFM	NG TOTAL FLOW X 10	
00:00:00 12/27/92 JOB LOG BOILER 1 POINTS			
01)	7.5 PPM	BOILER 1 CO READING	
02)	9.90 %	BOILER 1 O2 READING	
03)	69.7 PSIG	BOILER 1 RECY PRESS	
04)	98.6 %	TAR TANK LEVEL	
05)	605 #/HR	BOILER STM FLOW X 10	
06)	85.7 CFM	NG FLOW FT-301	
07)	1987.8 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2049.0 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.53 °C	T-900 TEMP	
13)	25.05 Hz.	Fan Drive Freq	
14)	45.02 HZ	Tar Pump Freq	
001)	8.1 PPM	CO ROLLING AVERAGE	
002)	2049.0 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	
T01)	61 Gal	Tar Flow Total	
T02)	11685 CFM	NG TOTAL FLOW X 10	
23:00:00 12/26/92 JOB LOG BOILER 1 POINTS			
01)	8.1 PPM	BOILER 1 CO READING	
02)	10.17 %	BOILER 1 O2 READING	
03)	70.3 PSIG	BOILER 1 RECY PRESS	
04)	98.6 %	TAR TANK LEVEL	
05)	511 #/HR	BOILER STM FLOW X 10	
06)	83.6 CFM	NG FLOW FT-301	
07)	1964.8 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2048.7 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.44 °C	T-900 TEMP	
13)	24.93 Hz.	Fan Drive Freq	
14)	45.02 HZ	Tar Pump Freq	
001)	8.3 PPM	CO ROLLING AVERAGE	
002)	2049.4 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	



03:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	7.5 PPM	BOILER 1 CO READING
02)	10.08 %	BOILER 1 O2 READING
03)	69.7 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	510 #/HR	BOILER STM FLOW X 10
06)	84.7 CFM	NG FLOW FT-301
07)	2001.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2046.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.49 °C	T-900 TEMP
13)	25.02 Hz.	Fan Drive Freq
14)	45.02 HZ	Tar Pump Freq
001)	7.6 PPM	CO ROLLING AVERAGE
002)	2046.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	1017 CFM	NG TOTAL FLOW X 10

02:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	7.9 PPM	BOILER 1 CO READING
02)	10.11 %	BOILER 1 O2 READING
03)	69.6 PSIG	BOILER 1 RECY PRESS
04)	98.5 %	TAR TANK LEVEL
05)	551 #/HR	BOILER STM FLOW X 10
06)	84.6 CFM	NG FLOW FT-301
07)	1993.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2047.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.35 °C	T-900 TEMP
13)	24.90 Hz.	Fan Drive Freq
14)	45.02 HZ	Tar Pump Freq
001)	7.9 PPM	CO ROLLING AVERAGE
002)	2048.2 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	509 CFM	NG TOTAL FLOW X 10

01:00:00 12/27/92 JOB LOG BOILER 1 POINTS

11.1m

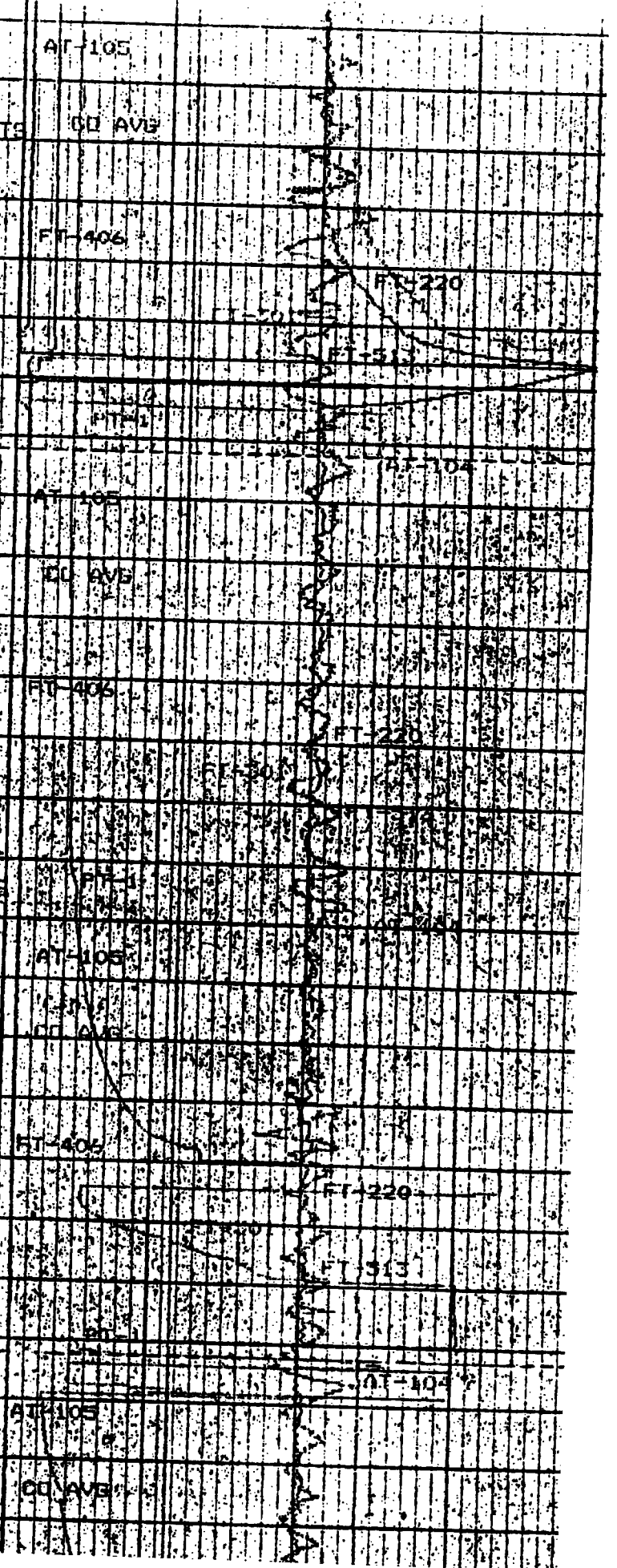
11.2m

Chessell CHART No. GD244101U100

D02) - 2045.4 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3073 CFM NG TOTAL FLOW X 10
06:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01) 6.9 PPM BOILER 1 CO READING
02) 9.96 % BOILER 1 O2 READING
03) 15.4 PSIG BOILER 1 RECY PRESS
04) 98.4 % TAR TANK LEVEL
05) 358 #/HR BOILER STM FLOW X 10
06) 85.2 CFM NG FLOW FT-301
07) 2003.4 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2050.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.49 °C T-900 TEMP
13) 24.90 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
D01) 7.4 PPM CO ROLLING AVERAGE
D02) 2050.4 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 2856 CFM NG TOTAL FLOW X 10
05:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01) 11 PPM BOILER 1 CO READING
02) 9.93 % BOILER 1 O2 READING
03) 27.2 PSIG BOILER 1 RECY PRESS
04) 98.2 % TAR TANK LEVEL
05) 478 #/HR BOILER STM FLOW X 10
06) 85.9 CFM NG FLOW FT-301
07) 2009.5 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2048.7 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 126.51 °C T-900 TEMP
13) 25.05 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
D01) 7.4 PPM CO ROLLING AVERAGE
D02) 2048.9 DEG F TEMP ROLLING AVERAGE



Chesnell CHART No. 032-191K

10.3m

01)	4.6 PPM	BOILER 1 CO READING
02)	9.14 %	BOILER 1 O2 READING
03)	79.2 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	502 #/HR	BOILER STM FLOW X 10
06)	86.0 CFM	NG FLOW FT-301
07)	2035.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2048.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.42 °C	T-900 TEMP
13)	24.99 Hz.	Fan Drive Freq
14)	48.97 HZ	Tar Pump Freq
001)	4.4 PPM	CO ROLLING AVERAGE
002)	2043.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	4105 CFM	NG TOTAL FLOW X 10

08:00:00 12/27/92 JOB LOG BOILER 1 POINTS

10.4m

01)	4.6 PPM	BOILER 1 CO READING
02)	9.20 %	BOILER 1 O2 READING
03)	13.0 PSIG	BOILER 1 RECY PRESS
04)	98.2 %	TAR TANK LEVEL
05)	492 #/HR	BOILER STM FLOW X 10
06)	86.1 CFM	NG FLOW FT-301
07)	1994.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2046.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.37 °C	T-900 TEMP
13)	25.00 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	4.7 PPM	CO ROLLING AVERAGE
002)	2045.5 DEG F	TEMP ROLLING AVERAGE

CAPELL 1st SHIFT 12/27/92 07:07:59

10.5m

003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	3589 CFM	NG TOTAL FLOW X 10

07:00:00 12/27/92 JOB LOG BOILER 1 POINTS

AT-105

AT-105

AT-103

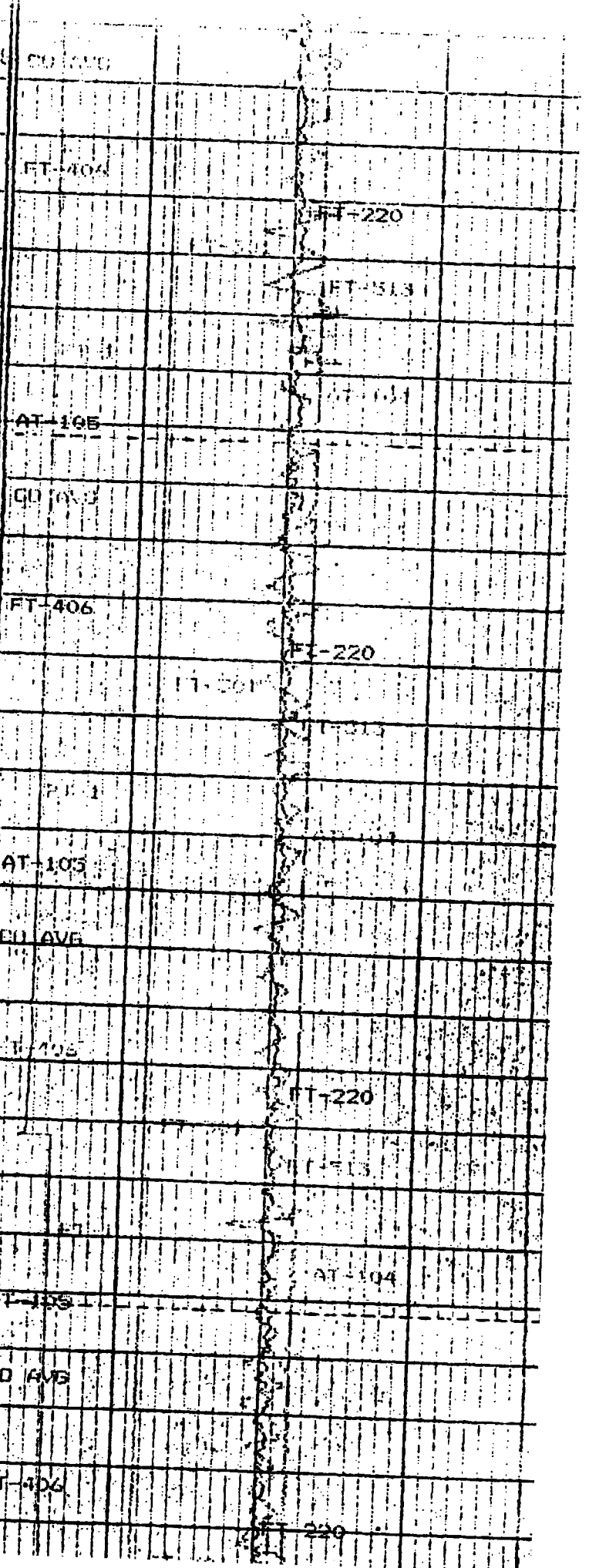
FT-406

FT-220

T02) 6179 CFM NG TOTAL FLOW X 10
12:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01) 3.8 PPM BOILER 1 CO READING
02) 9.11 % BOILER 1 O2 READING
03) 12.1 PSIG BOILER 1 RECY PRESS
04) 98.3 % TAR TANK LEVEL
05) 531 #/HR BOILER STM FLOW X 10
06) 86.6 CFM NG FLOW FT-301
07) 2019.8 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2052.5 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.37 °C T-900 TEMP
13) 25.04 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 4.0 PPM CO ROLLING AVERAGE
002) 2051.7 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 5658 CFM NG TOTAL FLOW X 10
11:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01) 4.0 PPM BOILER 1 CO READING
02) 9.08 % BOILER 1 O2 READING
03) 17.3 PSIG BOILER 1 RECY PRESS
04) 98.4 % TAR TANK LEVEL
05) 484 #/HR BOILER STM FLOW X 10
06) 86.3 CFM NG FLOW FT-301
07) 2012.1 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2051.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.37 °C T-900 TEMP
13) 24.97 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 4.1 PPM CO ROLLING AVERAGE
002) 2050.4 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 5139 CFM NG TOTAL FLOW X 10
10:00:00 12/27/92 JOB LOG BOILER 1 POINTS



9.5m

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02)      7742 CFM   NG TOTAL FLOW X 10
15:00:00 12/27/92 JOB LOG  BOILER 1 POINTS

01)      3.5 PPM   BOILER 1 CO READING
02)     9.02 %     BOILER 1 O2 READING
03)     12.0 PSIG  BOILER 1 RECY PRESS
04)     98.4 %     TAR TANK LEVEL
05)      552 #/HR  BOILER STM FLOW X 10
06)     87.0 CFM   NG FLOW FT-301
07)   2025.8 CFM   BOILER 1 AIR FLOW
08)     0.00 GPM   TAR FLOW
09)   2054.3 DEG F BOILER 1 CHAMB TEMP
10)   >RANGE °F    BOILER 1 STACK TEMP
11) CAL MODE       Calibration Interlok
12)   125.59 °C    T-900 TEMP
13)    24.92 Hz.   Fan Drive Freq
14)     0.22 HZ    Tar Pump Freq
D01)     3.5 PPM   CO ROLLING AVERAGE
D02)  2053.9 DEG F TEMP ROLLING AVERAGE
D03)     0.0       Tar Flow Hr Avg
T01)       0 Gal   Tar Flow Total
T02)    7221 CFM   NG TOTAL FLOW X 10
14:00:00 12/27/92 JOB LOG  BOILER 1 POINTS
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9.6m

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01)      3.5 PPM   BOILER 1 CO READING
02)     9.02 %     BOILER 1 O2 READING
03)     11.9 PSIG  BOILER 1 RECY PRESS
04)     98.4 %     TAR TANK LEVEL
05)      498 #/HR  BOILER STM FLOW X 10
06)     86.7 CFM   NG FLOW FT-301
07)   2003.6 CFM   BOILER 1 AIR FLOW
08)     0.00 GPM   TAR FLOW
09)   2053.2 DEG F BOILER 1 CHAMB TEMP
10)   >RANGE °F    BOILER 1 STACK TEMP
11) CAL MODE       Calibration Interlok
12)   125.61 °C    T-900 TEMP
13)    24.98 Hz.   Fan Drive Freq
14)     0.22 HZ    Tar Pump Freq
D01)     3.6 PPM   CO ROLLING AVERAGE
D02)  2053.4 DEG F TEMP ROLLING AVERAGE
D03)     0.0       Tar Flow Hr Avg
T01)       0 Gal   Tar Flow Total
T02)    6699 CFM   NG TOTAL FLOW X 10
13:00:00 12/27/92 JOB LOG  BOILER 1 POINTS
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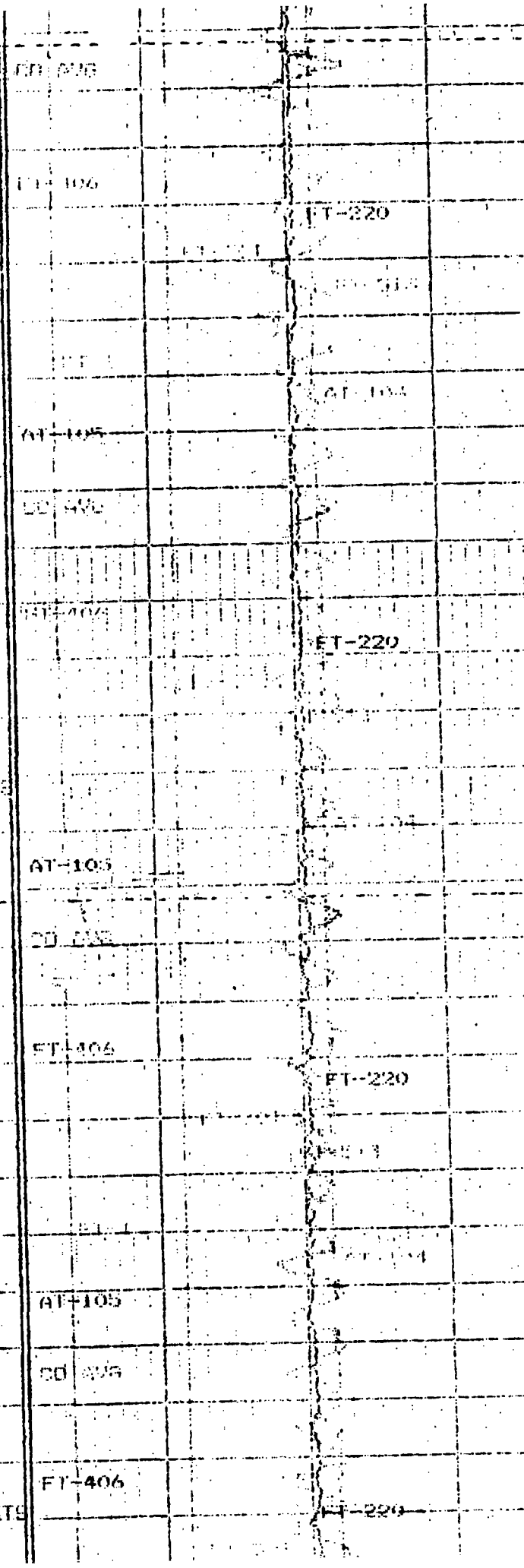
9.7m



Chessell CHART No. GD2441010

01)	3.5 PPM	BOILER 1 CO READING
02)	8.96 %	BOILER 1 O2 READING
03)	12.3 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	521 #/HR	BOILER STM FLOW X 10
06)	87.0 CFM	NG FLOW FT-301
07)	1979.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2054.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.58 °C	T-900 TEMP
13)	24.82 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	3.4 PPM	CO ROLLING AVERAGE
002)	2053.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
001)	0 Gal	Tar Flow Total
002)	8786 CFM	NG TOTAL FLOW X 10

7:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	3.5 PPM	BOILER 1 CO READING
02)	9.02 %	BOILER 1 O2 READING
03)	11.8 PSIG	BOILER 1 RECY PRESS
04)	98.3 %	TAR TANK LEVEL
05)	510 #/HR	BOILER STM FLOW X 10
06)	86.8 CFM	NG FLOW FT-301
07)	2011.4 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2054.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.42 °C	T-900 TEMP
13)	24.87 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	3.4 PPM	CO ROLLING AVERAGE
002)	2054.1 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
001)	0 Gal	Tar Flow Total
002)	8265 CFM	NG TOTAL FLOW X 10

16:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	3.5 PPM	BOILER 1 CO READING
02)	9.02 %	BOILER 1 O2 READING

02)	8.99 %	BOILER 1 O2 READING
03)	12.4 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	546 #/HR	BOILER STM FLOW X 10
06)	86.8 CFM	NG FLOW FT-301
07)	2012.6 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2054.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.39 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	2.9 PPM	CO ROLLING AVERAGE
002)	2054.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	10350 CFM	NG TOTAL FLOW X 10

20:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	2.9 PPM	BOILER 1 CO READING
02)	9.02 %	BOILER 1 O2 READING
03)	12.5 PSIG	BOILER 1 RECY PRESS
04)	98.3 %	TAR TANK LEVEL
05)	503 #/HR	BOILER STM FLOW X 10
06)	86.9 CFM	NG FLOW FT-301
07)	2004.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2053.2 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.49 °C	T-900 TEMP
13)	25.03 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	2.9 PPM	CO ROLLING AVERAGE
002)	2053.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	9829 CFM	NG TOTAL FLOW X 10

19:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	2.9 PPM	BOILER 1 CO READING
02)	9.02 %	BOILER 1 O2 READING
03)	12.6 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	506 #/HR	BOILER STM FLOW X 10

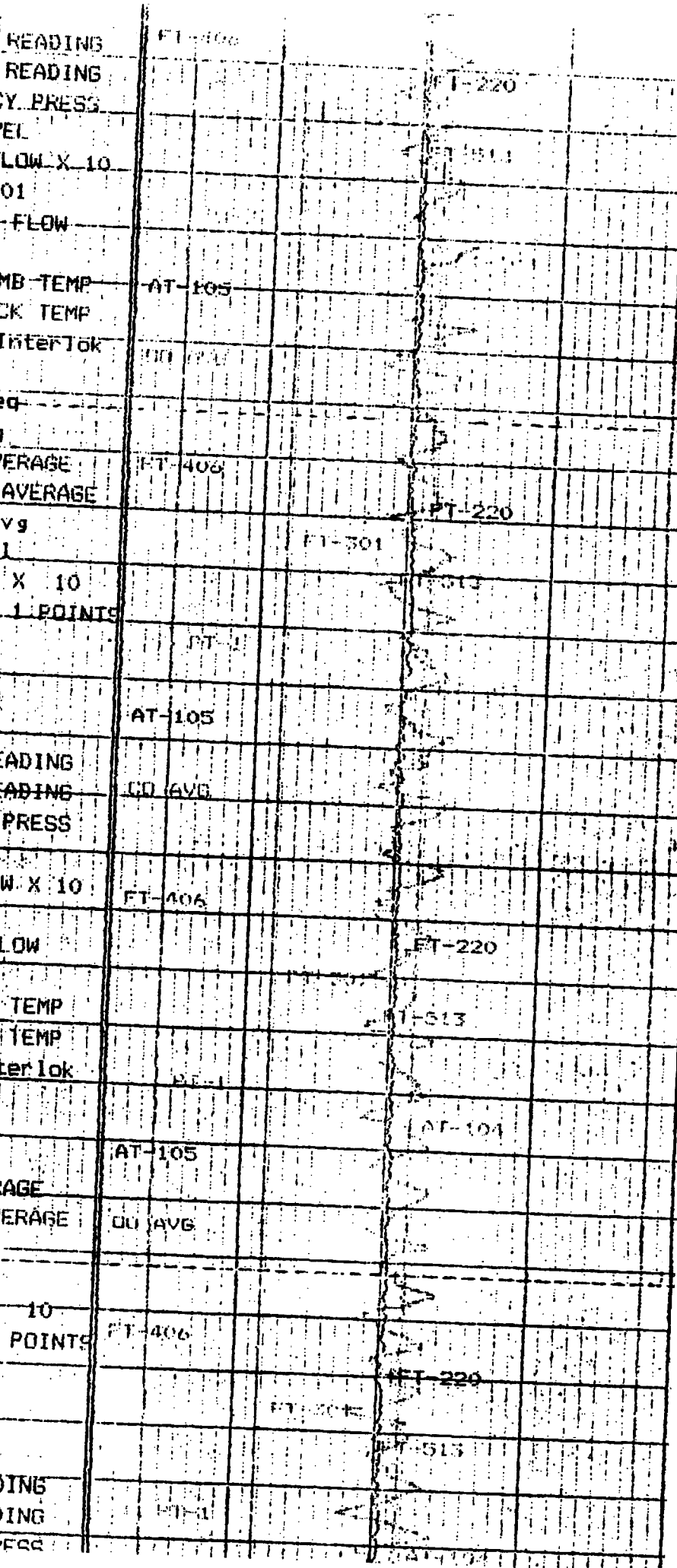
01)	2.3 PPM	BOILER 1 CO READING
02)	8.93 %	BOILER 1 O2 READING
03)	12.7 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	496 #/HR	BOILER STM FLOW X 10
06)	87.0 CFM	NG FLOW FT-301
07)	2010.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2052.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.63 °C	T-900 TEMP
13)	24.93 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	2.5 PPM	CO ROLLING AVERAGE
002)	2053.6 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	11919 CFM	NG TOTAL FLOW X 10

23:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	2.9 PPM	BOILER 1 CO READING
02)	8.93 %	BOILER 1 O2 READING
03)	12.5 PSIG	BOILER 1 RECY PRESS
04)	98.5 %	TAR TANK LEVEL
05)	484 #/HR	BOILER STM FLOW X 10
06)	87.1 CFM	NG FLOW FT-301
07)	2011.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2054.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.48 °C	T-900 TEMP
13)	24.88 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	2.6 PPM	CO ROLLING AVERAGE
002)	2053.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	11396 CFM	NG TOTAL FLOW X 10

22:00:00 12/27/92 JOB LOG BOILER 1 POINTS

01)	2.9 PPM	BOILER 1 CO READING
02)	8.96 %	BOILER 1 O2 READING
03)	12.6 PSIG	BOILER 1 RECY PRESS



8.0m

01)	2.3 PPM	BOILER 1 CO READING
02)	8.90 %	BOILER 1 O2 READING
03)	12.6 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	537 #/HR	BOILER STM FLOW X 10
06)	87.1 CFM	NG FLOW FT-301
07)	2004.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2052.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.59 °C	T-900 TEMP
13)	25.00 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	2.3 PPM	CO ROLLING AVERAGE
002)	2052.3 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	1045 CFM	NG TOTAL FLOW X 10

02:00:00 12/28/92 JOB LOG BOILER 1 POINTS

8.1m

01)	2.7 PPM	BOILER 1 CO READING
02)	8.87 %	BOILER 1 O2 READING
03)	12.6 PSIG	BOILER 1 RECY PRESS
04)	98.4 %	TAR TANK LEVEL
05)	524 #/HR	BOILER STM FLOW X 10
06)	87.1 CFM	NG FLOW FT-301
07)	2003.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2052.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.49 °C	T-900 TEMP
13)	24.91 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	2.5 PPM	CO ROLLING AVERAGE
002)	2052.5 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	522 CFM	NG TOTAL FLOW X 10

01:00:00 12/28/92 JOB LOG BOILER 1 POINTS

8.2m

01)	2.7 PPM	BOILER 1 CO READING
02)	8.84 %	BOILER 1 O2 READING

02) 3111 CFM NG TOTAL FLOW X 10

06:00:00 12/28/92 JOB LOG BOILER 1 POINTS

01) 1.6 PPM BOILER 1 CO READING
02) 8.99 % BOILER 1 O2 READING
03) 12.6 PSIG BOILER 1 RECY PRESS
04) 98.1 % TAR TANK LEVEL
05) 534 #/HR BOILER STM FLOW X 10
06) 85.5 CFM NG FLOW FT-301
07) 2002.1 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2049.7 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.39 °C T-900 TEMP
13) 25.00 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 1.9 PPM CO ROLLING AVERAGE
002) 2049.9 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
01) 0 Gal Tar Flow Total
02) 2397 CFM NG TOTAL FLOW X 10

05:00:00 12/28/92 JOB LOG BOILER 1 POINTS

01) 2.2 PPM BOILER 1 CO READING
02) 8.99 % BOILER 1 O2 READING
03) 13.1 PSIG BOILER 1 RECY PRESS
04) 98.3 % TAR TANK LEVEL
05) 553 #/HR BOILER STM FLOW X 10
06) 85.9 CFM NG FLOW FT-301
07) 2002.9 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2048.9 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.55 °C T-900 TEMP
13) 24.95 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 2.1 PPM CO ROLLING AVERAGE
002) 2050.5 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
01) 0 Gal Tar Flow Total
02) 2083 CFM NG TOTAL FLOW X 10

04:00:00 12/28/92 JOB LOG BOILER 1 POINTS

01) 1.7 PPM BOILER 1 CO READING
02) 9.02 % BOILER 1 O2 READING
03) 11.8 PSIG BOILER 1 RECY PRESS
04) 98.4 % TAR TANK LEVEL
05) 545 #/HR BOILER STM FLOW X 10
06) 85.6 CFM NG FLOW FT-301
07) 1994.3 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2049.8 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.49 °C T-900 TEMP
13) 25.05 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
D01) 1.7 PPM CO ROLLING AVERAGE
D02) 2049.1 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 4139 CFM NG TOTAL FLOW X 10
08:00:00 12/28/92 JOB LOG BOILER 1 POINTS

7.3m

01) 1.7 PPM BOILER 1 CO READING
02) 9.02 % BOILER 1 O2 READING
03) 12.0 PSIG BOILER 1 RECY PRESS
04) 98.3 % TAR TANK LEVEL
05) 530 #/HR BOILER STM FLOW X 10
06) 85.6 CFM NG FLOW FT-301
07) 1972.7 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2049.3 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.50 °C T-900 TEMP
13) 25.04 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
D01) 1.7 PPM CO ROLLING AVERAGE
D02) 2049.3 DEG F TEMP ROLLING AVERAGE
D03) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3624 CFM NG TOTAL FLOW X 10
07:00:00 12/28/92 JOB LOG BOILER 1 POINTS

7.4m

01) 1.7 PPM BOILER 1 CO READING

AT-105
CO AVG
FT-406
FT-220

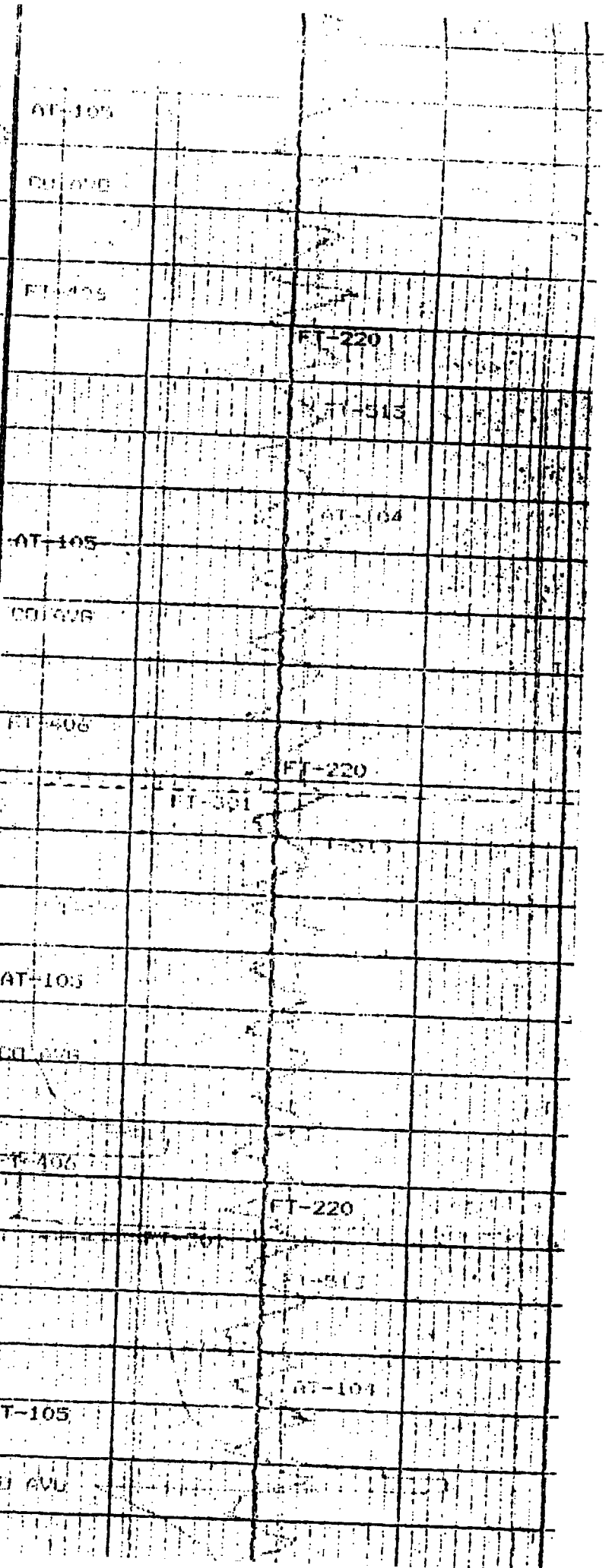
002)	1 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
01)	0 Gal	Tar Flow Total
02)	6199 CFM	NG TOTAL FLOW X 10

12:00:00 12/28/92 JOB LOG BOILER 1 POINTS

01)	1.7 PPM	BOILER 1 CO READING
CAPELL 1st SHIFT	12/28/92	11:46:30
02)	8.99 %	BOILER 1 O2 READING
03)	11.6 PSIG	BOILER 1 RECY PRESS
04)	99.4 %	TAR TANK LEVEL
05)	487 #/HR	BOILER STM FLOW X 10
06)	86.0 CFM	NG FLOW FT-301
07)	2003.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2049.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.25 °C	T-900 TEMP
13)	25.01 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	1.7 PPM	CO ROLLING AVERAGE
D02)	2049.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	5683 CFM	NG TOTAL FLOW X 10

11:00:00 12/28/92 JOB LOG BOILER 1 POINTS

01)	1.7 PPM	BOILER 1 CO READING
02)	8.99 %	BOILER 1 O2 READING
03)	64.5 PSIG	BOILER 1 RECY PRESS
04)	98.9 %	TAR TANK LEVEL
05)	523 #/HR	BOILER STM FLOW X 10
06)	85.8 CFM	NG FLOW FT-301
07)	2002.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2049.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.37 °C	T-900 TEMP
13)	25.00 Hz.	Fan Drive Freq
14)	45.96 HZ	Tar Pump Freq
01)	1.7 PPM	CO ROLLING AVERAGE
02)	2049.0 DEG F	TEMP ROLLING AVERAGE
03)	0.0	Tar Flow Hr Avg
01)	0 Gal	Tar Flow Total
02)	5168 CFM	NG TOTAL FLOW X 10



01)	1.6 PPM	BOILER 1 CO READING	
02)	8.87 %	BOILER 1 O2 READING	
05)	79.7 PSIG	BOILER 1 RECY PRESS	
04)	99.2 %	TAR TANK LEVEL	
05)	503 #/HR	BOILER STM FLOW X 10	
06)	86.3 CFM	NG FLOW FT-301	
07)	1992.2 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2049.7 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	123.46 °C	T-900 TEMP	
13)	25.03 Hz.	Fan Drive Freq	
14)	33.18 HZ	Tar Pump Freq	
D01)	1.6 PPM	CO ROLLING AVERAGE	
D02)	2049.8 DEG F	TEMP ROLLING AVERAGE	
D03)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	7234 CFM	NG TOTAL FLOW X 10	
14:00:00	12/28/92	JOB LOG BOILER 1 POINTS	

01)	1.0 PPM	BOILER 1 CO READING	
02)	8.90 %	BOILER 1 O2 READING	
03)	11.5 PSIG	BOILER 1 RECY PRESS	
04)	99.5 %	TAR TANK LEVEL	
05)	501 #/HR	BOILER STM FLOW X 10	
06)	88.4 CFM	NG FLOW FT-301	
07)	2001.0 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2050.8 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	124.05 °C	T-900 TEMP	
13)	24.94 Hz.	Fan Drive Freq	
14)	0.22 HZ	Tar Pump Freq	
D01)	1.6 PPM	CO ROLLING AVERAGE	
D02)	2049.4 DEG F	TEMP ROLLING AVERAGE	
D03)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	6.16 CFM	NG TOTAL FLOW X 10	
13:00:00	12/28/92	JOB LOG BOILER 1 POINTS	

01)	1.7 PPM	BOILER 1 CO READING	

01)	1.7 PPM	BOILER 1 CO READING	
02)	8.75 %	BOILER 1 O2 READING	FT-406
03)	73.8 PSIG	BOILER 1 RECY PRESS	
04)	98.9 %	TAR TANK LEVEL	FT-220
05)	493 #/HR	BOILER STM FLOW X 10	
06)	87.0 CFM	NG FLOW FT-301	FT-513
07)	2009.9 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2050.7 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	AT-105
11)	CAL MODE	Calibration Interlok	
12)	122.56 °C	T-900-TEMP	
13)	25.05 Hz.	Fan Drive Freq	CO AVG
14)	33.18 HZ	Tar Pump Freq	
001)	1.7 PPM	CO ROLLING AVERAGE	
002)	2050.6 DEG F	TEMP ROLLING AVERAGE	FT-406
003)	0.0	Tar Flow Hr Avg	
101)	0 Gal	Tar Flow Total	FT-220
102)	8796 CFM	NG TOTAL FLOW X 10	
17:00:00	12/28/92	JOB LOG - BOILER 1 POINTS	
01)	1.6 PPM	BOILER 1 CO READING	AT-105
02)	8.74 %	BOILER 1 O2 READING	
03)	77.7 PSIG	BOILER 1 RECY PRESS	CO AVG
04)	99.4 %	TAR TANK LEVEL	
05)	514 #/HR	BOILER STM FLOW X 10	
06)	84.9 CFM	NG FLOW FT-301	
07)	2011.4 CFM	BOILER 1 AIR FLOW	FT-406
08)	0.00 GPM	TAR FLOW	FT-220
09)	2050.9 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	FT-513
11)	CAL MODE	Calibration Interlok	
12)	122.40 °C	T-900 TEMP	
13)	25.04 Hz.	Fan Drive Freq	
14)	33.18 HZ	Tar Pump Freq	
001)	1.6 PPM	CO ROLLING AVERAGE	AT-105
002)	2050.3 DEG F	TEMP ROLLING AVERAGE	
003)	0.0	Tar Flow Hr Avg	CO AVG
101)	0 Gal	Tar Flow Total	
102)	8274 CFM	NG TOTAL FLOW X 10	
16:00:00	12/28/92	JOB LOG - BOILER 1 POINTS	
			FT-406
			FT-220
01)	1.6 PPM	BOILER 1 CO READING	FT-513

Chessell CHART No: GD244101U100

5.8m

01)	1.7 PPM	BOILER 1 CO READING	
02)	8.75 %	BOILER 1 O2 READING	
03)	76.8 PSIG	BOILER 1 RECY PRESS	FT-220
04)	99.7 %	TAR TANK LEVEL	
05)	471 #/HR	BOILER STM FLOW X 10	
06)	87.0 CFM	NG FLOW FT-301	
07)	2019.4 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2052.1 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	AT-105
11)	CAL MODE	Calibration Interlok	
12)	125.53 °C	T-900 TEMP	CO AVG
13)	24.99 Hz.	Fan Drive Freq	
14)	33.19 HZ	Tar Pump Freq	
D01)	1.7 PPM	CO ROLLING AVERAGE	
D02)	2051.6 DEG F	TEMP ROLLING AVERAGE	FT-406
D03)	0.0	Tar Flow Hr Avg	FT-220
T01)	0 Gal	Tar Flow Total	
T02)	10365 CFM	NG TOTAL FLOW X 10	FT-513

20:00:00 12/28/92 JOB LOG BOILER 1 POINTS

5.9m

01)	1.7 PPM	BOILER 1 CO READING	AT-105
02)	8.75 %	BOILER 1 O2 READING	
03)	78.2 PSIG	BOILER 1 RECY PRESS	CO AVG
04)	99.8 %	TAR TANK LEVEL	
05)	561 #/HR	BOILER STM FLOW X 10	
06)	86.9 CFM	NG FLOW FT-301	FT-406
07)	2020.1 CFM	BOILER 1 AIR FLOW	FT-220
08)	0.00 GPM	TAR FLOW	
09)	2051.6 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.68 °C	T-900 TEMP	
13)	24.92 Hz.	Fan Drive Freq	
14)	33.19 HZ	Tar Pump Freq	
D01)	1.7 PPM	CO ROLLING AVERAGE	AT-105
D02)	2051.3 DEG F	TEMP ROLLING AVERAGE	
D03)	0.0	Tar Flow Hr Avg	CO AVG
T01)	0 Gal	Tar Flow Total	
T02)	9842 CFM	NG TOTAL FLOW X 10	

19:00:00 12/28/92 JOB LOG BOILER 1 POINTS

			FT-406
			FT-220
			FT-513
01)	1.7 PPM	BOILER 1 CO READING	
02)	[illegible]	BOILER 1 O2 READING	

01)	1.2 PPM	BOILER 1 CO READING
02)	8.75 %	BOILER 1 O2 READING
03)	77.8 PSIG	BOILER 1 RECY PRESS
04)	99.7 %	TAR TANK LEVEL
05)	194 #/HR	BOILER STM FLOW X 10
06)	87.3 CFM	NG FLOW FT-301
07)	2026.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2052.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.52 °C	T-900 TEMP
13)	25.05 Hz.	Fan Drive Freq
14)	33.19 HZ	Tar Pump Freq
001)	1.7 PPM	CO ROLLING AVERAGE
002)	2052.2 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	11932 CFM	NG TOTAL FLOW X 10

23:00:00 12/28/92 JOB LOG BOILER 1 POINTS

01)	1.7 PPM	BOILER 1 CO READING
02)	8.81 %	BOILER 1 O2 READING
03)	76.6 PSIG	BOILER 1 RECY PRESS
04)	99.8 %	TAR TANK LEVEL
05)	529 #/HR	BOILER STM FLOW X 10
06)	88.8 CFM	NG FLOW FT-301
07)	2027.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2052.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.66 °C	T-900 TEMP
13)	25.05 Hz.	Fan Drive Freq
14)	33.19 HZ	Tar Pump Freq
001)	1.7 PPM	CO ROLLING AVERAGE
002)	2052.1 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	11410 CFM	NG TOTAL FLOW X 10

22:00:00 12/28/92 JOB LOG BOILER 1 POINTS

01)	1.7 PPM	BOILER 1 CO READING
02)	8.75 %	BOILER 1 O2 READING

02) 1577 CFM NG TOTAL FLOW X 10

03:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01) 1.7 PPM BOILER 1 CO READING
02) 8.66 % BOILER 1 O2 READING
03) 77.0 PSIG BOILER 1 RECY PRESS
04) 99.8 % TAR TANK LEVEL
05) 515 #/HR BOILER STM FLOW X 10
06) 87.4 CFM NG FLOW FT-301
07) 2011.8 CFM BOILER 1 AIR FLOW
08) -0.00 GPM TAR FLOW
09) 2054.2 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.71 °C T-900 TEMP
13) 24.99 Hz. Fan Drive Freq
14) 33.23 HZ Tar Pump Freq
001) 1.7 PPM CO ROLLING AVERAGE
002) 2052.9 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
101) 0 Gal Tar Flow Total
102) 1051 CFM NG TOTAL FLOW X 10

02:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01) 1.7 PPM BOILER 1 CO READING
02) 8.66 % BOILER 1 O2 READING
03) 77.8 PSIG BOILER 1 RECY PRESS
04) 99.9 % TAR TANK LEVEL
05) 472 #/HR BOILER STM FLOW X 10
06) 87.6 CFM NG FLOW FT-301
07) 2021.0 CFM BOILER 1 AIR FLOW
08) -0.00 GPM TAR FLOW
09) 2052.0 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.54 °C T-900 TEMP
13) 25.05 Hz. Fan Drive Freq
14) 33.23 HZ Tar Pump Freq
001) 1.7 PPM CO ROLLING AVERAGE
002) 2052.8 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
101) 0 Gal Tar Flow Total
102) 525 CFM NG TOTAL FLOW X 10

01:00:00 12/29/92 JOB LOG BOILER 1 POINTS

AT-105
CO AVG
FT-406
FT-220
T-515
PT-1
AT-104
AT-105
CO AVG
FT-406
FT-220
FT-301
AT-105
CO AVG
FT-406
FT-220
AT-105
CO AVG

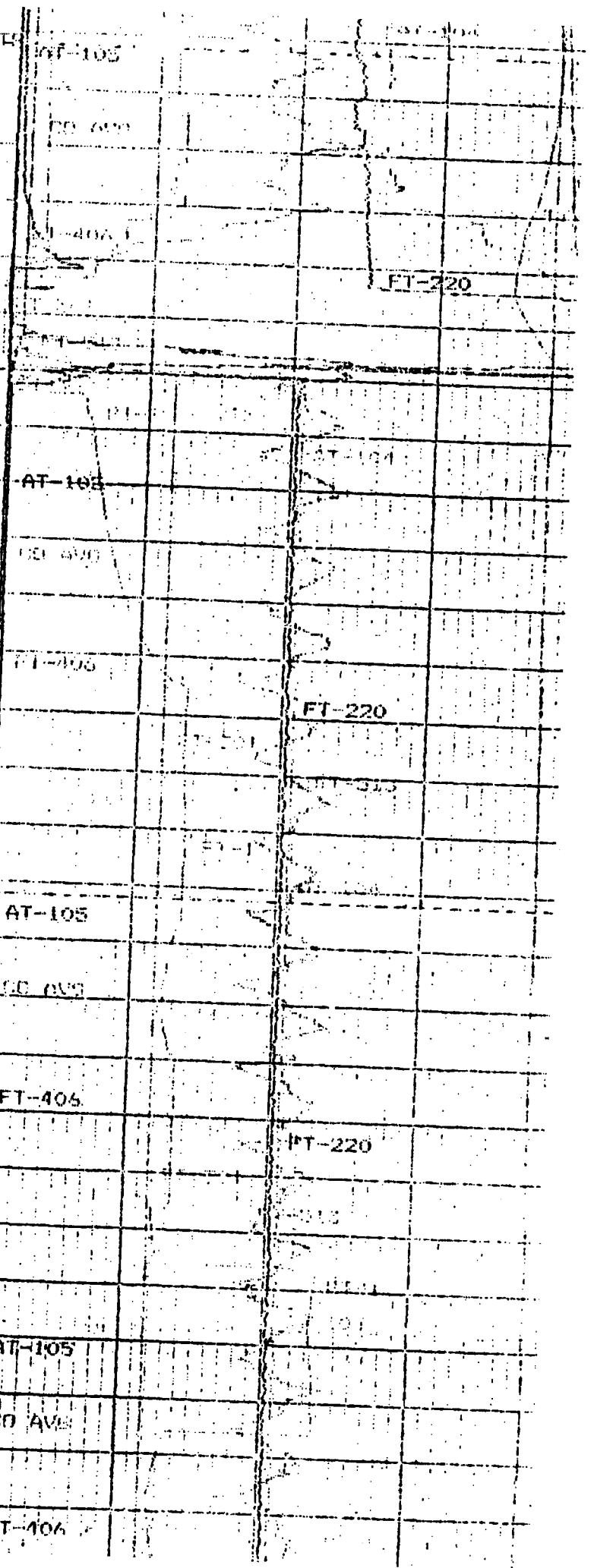
T02)	3065 CFM	NG TOTAL FLOW X 10	
06:00:..	12/29/92	JOB LOG -BOILER 1-POINTS	

4.6m

01)	1.7 PPM	BOILER 1 CO READING	
02)	8.60 %	BOILER 1 O2 READING	
03)	44.2 PSIG	BOILER 1 RECY PRESS	
04)	99.5 %	TAR TANK LEVEL	
05)	524 #/HR	BOILER STM FLOW X 10	
06)	87.9 CFM	NG FLOW FT-301	
07)	2021.1 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	2052.2 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.68 °C	T-900 TEMP	
13)	24.99 Hz.	Fan Drive Freq	
14)	0.22 HZ	Tar Pump Freq	
D01)	1.7 PPM	CO ROLLING AVERAGE	
D02)	2053.0 DEG F	TEMP ROLLING AVERAGE	
D03)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	2630 CFM	NG TOTAL FLOW X 10	
05:00:00	12/29/92	JOB LOG BOILER 1 POINTS	

4.7m

01)	1.7 PPM	BOILER 1 CO READING	
02)	8.63 %	BOILER 1 O2 READING	
03)	41.0 PSIG	BOILER 1 RECY PRESS	
04)	99.8 %	TAR TANK LEVEL	
05)	471 #/HR	BOILER STM FLOW X 10	
06)	87.7 CFM	NG FLOW FT-301	
07)	2026.8 CFM	BOILER 1 AIR FLOW	
08)	-0.00 GPM	TAR FLOW	
09)	2052.1 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.51 °C	T-900 TEMP	
13)	25.01 Hz.	Fan Drive Freq	
14)	0.22 HZ	Tar Pump Freq	
D01)	1.7 PPM	CO ROLLING AVERAGE	
D02)	2053.1 DEG F	TEMP ROLLING AVERAGE	
D03)	0.0	Tar Flow Hr Avg	
T01)	0 Gal	Tar Flow Total	
T02)	2104 CFM	NG TOTAL FLOW X 10	
04:00:00	12/29/92	JOB LOG BOILER 1 POINTS	



4.2m

01)	1.9 PPM	BOILER 1 CO READING	CO AVG
02)	9.53 %	BOILER 1 O2 READING	FT-406
03)	2.6 PSIG	BOILER 1 RECY PRESS	FT-220
04)	100.4 %	TAR TANK LEVEL	FT-301
05)	547 #/HR	BOILER STM FLOW X 10	FT-513
06)	86.6 CFM	NG FLOW FT-301	
07)	2184.3 CFM	BOILER 1 AIR FLOW	
08)	+0.00 GPM	TAR FLOW	PT-1
09)	2030.4 DEG F	BOILER 1 CHAMB TEMP	AT-104
10)	>RANGE °F	BOILER 1 STACK TEMP	AT-105
11)	CAL MODE	Calibration Interlok	
12)	125.48 °C	T-900 TEMP	CO AVG
13)	26.92 Hz.	Fan Drive Freq	
14)	0.22 HZ	Tar Pump Freq	
D01)	1.9 PPM	CO ROLLING AVERAGE	
D02)	2026.3 DEG F	TEMP ROLLING AVERAGE	FT-406
D03)	0.0	Tar Flow Hr Avg	FT-220
T01)	0 Gal	Tar Flow Total	FT-301
T02)	4106 CFM	NG TOTAL FLOW X 10	FT-513

08:00:00 12/29/92 JOB LOG BOILER 1 POINTS

4.3m

01)	2.3 PPM	BOILER 1 CO READING	PT-1
02)	9.56 %	BOILER 1 O2 READING	AT-105
03)	3.9 PSIG	BOILER 1 RECY PRESS	CO AVG
04)	99.7 %	TAR TANK LEVEL	
05)	483 #/HR	BOILER STM FLOW X 10	
06)	86.4 CFM	NG FLOW FT-301	
07)	2174.4 CFM	BOILER 1 AIR FLOW	FT-406
08)	+0.00 GPM	TAR FLOW	FT-220
09)	2020.1 DEG F	BOILER 1 CHAMB TEMP	FT-301
10)	>RANGE °F	BOILER 1 STACK TEMP	FT-513
11)	CAL MODE	Calibration Interlok	
12)	125.66 °C	T-900 TEMP	
13)	26.69 Hz.	Fan Drive Freq	PT-1
14)	0.22 HZ	Tar Pump Freq	AT-104
D01)	2.3 PPM	CO ROLLING AVERAGE	AT-105
D02)	1997.0 DEG F	TEMP ROLLING AVERAGE	
D03)	0.0	Tar Flow Hr Avg	CO AVG
T01)	0 Gal	Tar Flow Total	
T02)	3587 CFM	NG TOTAL FLOW X 10	

07:00:00 12/29/92 JOB LOG BOILER 1 POINTS

4.4m

FT-406

FT-220

FT-301

12:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	2.0 PPM	BOILER 1 CO READING
02)	9.56 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	99.9 %	TAR TANK LEVEL
05)	502 #/HR	BOILER STM FLOW X 10
06)	87.5 CFM	NG FLOW FT-301
07)	2269.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2047.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.04 °C	T-900 TEMP
13)	27.39 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	1.9 PPM	CO ROLLING AVERAGE
D02)	2046.0 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
01)	0 Gal	Tar Flow Total
02)	5677 CFM	NG TOTAL FLOW X 10

11:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	2.2 PPM	BOILER 1 CO READING
02)	9.56 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	100.5 %	TAR TANK LEVEL
05)	535 #/HR	BOILER STM FLOW X 10
06)	87.4 CFM	NG FLOW FT-301
07)	2230.6 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2044.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.58 °C	T-900 TEMP
13)	27.16 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	1.9 PPM	CO ROLLING AVERAGE
002)	2042.2 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
01)	0 Gal	Tar Flow Total
02)	5151 CFM	NG TOTAL FLOW X 10

0:00:00 12/29/92 JOB LOG BOILER 1 POINTS

02)	7.59 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	99.7 %	TAR TANK LEVEL
05)	464 #/HR	BOILER STM FLOW X 10
06)	88.5 CFM	NG FLOW FT-301
07)	2255.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2051.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	123.48 °C	T-900 TEMP
13)	27.16 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	2.2 PPM	CO ROLLING AVERAGE
D02)	2051.1 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	7259 CFM	NG TOTAL FLOW X 10

14:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	2.2 PPM	BOILER 1 CO READING
02)	9.56 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	100.0 %	TAR TANK LEVEL
05)	515 #/HR	BOILER STM FLOW X 10
06)	88.2 CFM	NG FLOW FT-301
07)	2278.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2050.9 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	124.01 °C	T-900 TEMP
13)	27.63 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	2.1 PPM	CO ROLLING AVERAGE
D02)	2050.2 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	6733 CFM	NG TOTAL FLOW X 10

13:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	2.3 PPM	BOILER 1 CO READING
02)	9.56 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	99.8 %	TAR TANK LEVEL

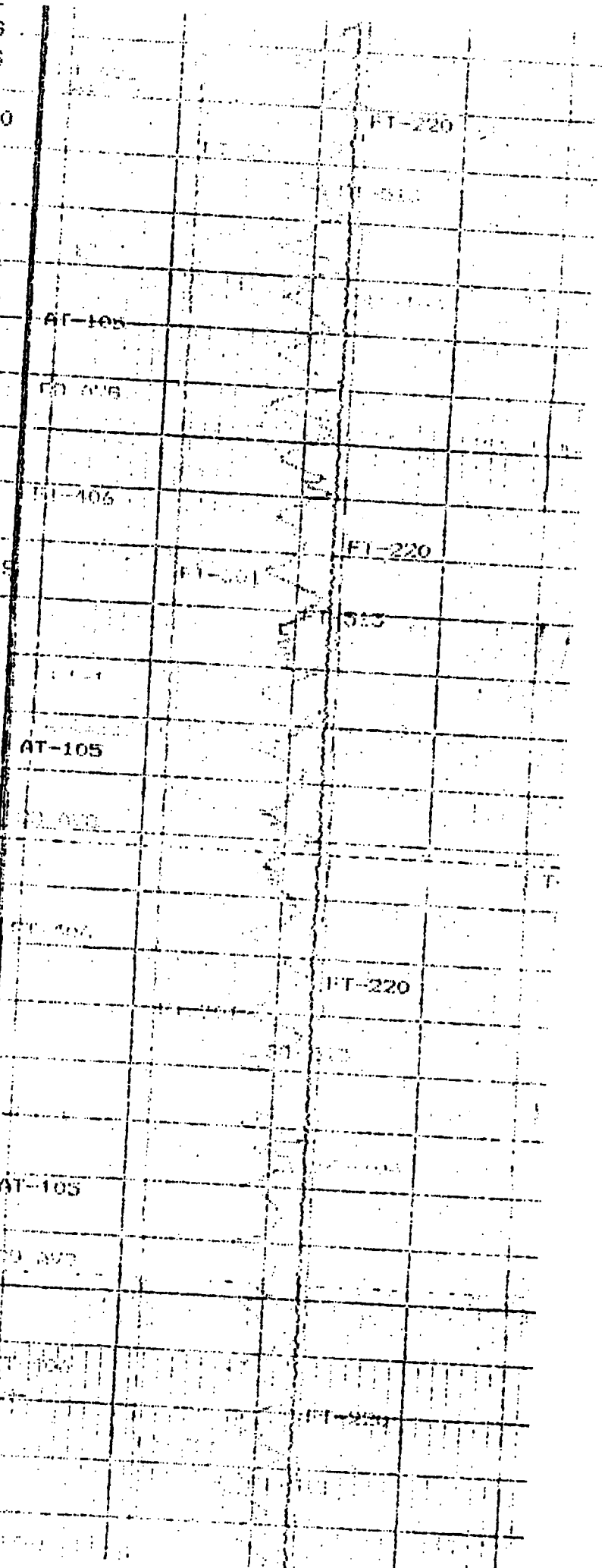
02)	4.46 %	BOILER 1 02 READING
03)	9.7 PSIG	BOILER 1 RECY PRESS
04)	99.9 %	TAR TANK LEVEL
05)	533 #/HR	BOILER STM FLOW X 10
06)	85.9 CFM	NG FLOW FT-301
07)	2221.8 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2048.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	122.08 °C	T-900 TEMP
13)	26.91 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	3.1 PPM	CO ROLLING AVERAGE
002)	2047.8 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	8808 CFM	NG TOTAL FLOW X 10

17:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	4.0 PPM	BOILER 1 CO READING
02)	9.52 %	BOILER 1 02 READING
03)	6.0 PSIG	BOILER 1 RECY PRESS
04)	99.0 %	TAR TANK LEVEL
05)	475 #/HR	BOILER STM FLOW X 10
06)	85.6 CFM	NG FLOW FT-301
07)	2237.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2047.8 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	122.29 °C	T-900 TEMP
13)	27.18 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	3.8 PPM	CO ROLLING AVERAGE
002)	2048.1 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	8294 CFM	NG TOTAL FLOW X 10

16:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	2.9 PPM	BOILER 1 CO READING
02)	9.58 %	BOILER 1 02 READING
03)	5.9 PSIG	BOILER 1 RECY PRESS
04)	99.3 %	TAR TANK LEVEL



01)	2.3 PPM	BOILER 1 CO READING
02)	8.82 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	100.7 %	TAR TANK LEVEL
05)	536 #/HR	BOILER STM FLOW X 10
06)	85.2 CFM	NG FLOW FT-301
07)	2018.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1992.1 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	122.96 °C	T-900 TEMP
13)	25.02 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	3.0 PPM	CO ROLLING AVERAGE
D02)	1965.8 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	10167 CFM	NG TOTAL FLOW X 10

20:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	4.1 PPM	BOILER 1 CO READING
02)	8.87 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	100.7 %	TAR TANK LEVEL
05)	512 #/HR	BOILER STM FLOW X 10
06)	84.7 CFM	NG FLOW FT-301
07)	2003.5 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1918.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	123.44 °C	T-900 TEMP
13)	24.99 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
D01)	19.0 PPM	CO ROLLING AVERAGE
D02)	1034.7 DEG F	TEMP ROLLING AVERAGE
D03)	0.0	Tar Flow Hr Avg
T01)	0 Gal	Tar Flow Total
T02)	9656 CFM	NG TOTAL FLOW X 10

19:00:00 12/29/92 JOB LOG BOILER 1 POINTS

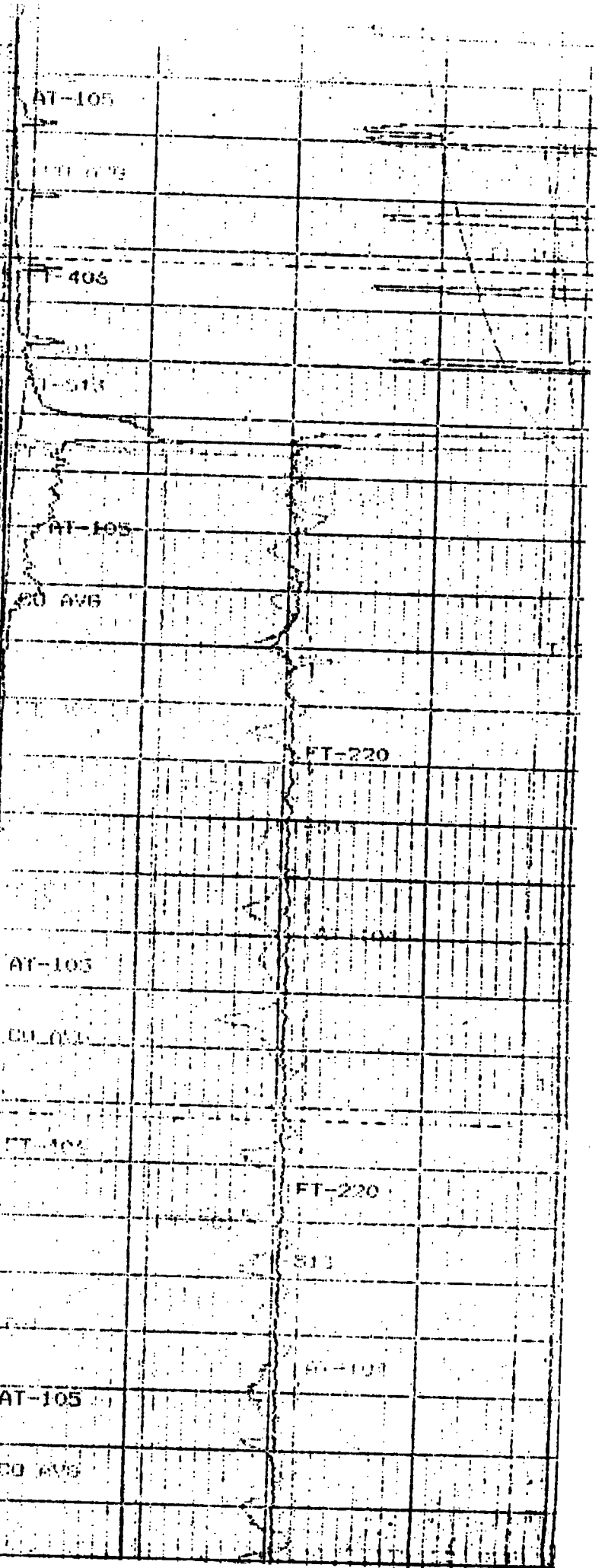
1901 1918 CFM NG TOTAL FLOW X 10
00:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01)	1.7 PPM	BOILER 1 CO READING
02)	9.02 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	90.4 %	TAR TANK LEVEL
05)	496 #/HR	BOILER STM FLOW X 10
06)	83.9 CFM	NG FLOW FT-301
07)	2028.2 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2030.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	123.48 °C	T-900 TEMP
13)	24.89 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	1.7 PPM	CO ROLLING AVERAGE
002)	2026.8 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	11685 CFM	NG TOTAL FLOW X 10

23:00:00 12/29/92 JOB LOG BOILER 1 POINTS

01)	1.7 PPM	BOILER 1 CO READING
02)	9.10 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	100.7 %	TAR TANK LEVEL
05)	467 #/HR	BOILER STM FLOW X 10
06)	83.9 CFM	NG FLOW FT-301
07)	2019.1 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	2022.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	122.04 °C	T-900 TEMP
13)	25.04 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	1.8 PPM	CO ROLLING AVERAGE
002)	2017.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
101)	0 Gal	Tar Flow Total
102)	11180 CFM	NG TOTAL FLOW X 10

22:00:00 12/29/92 JOB LOG BOILER 1 POINTS



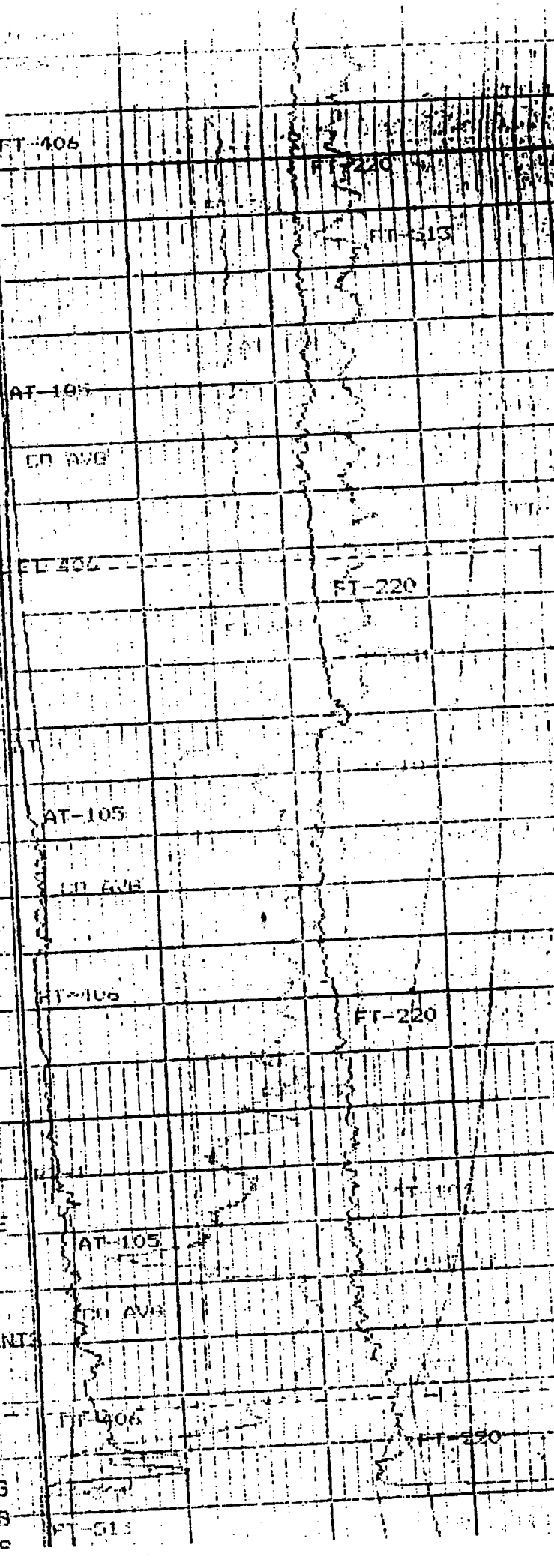
01)	5.2 PPM	BOILER 1 CO READING
02)	7.16 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	99.1 %	TAR TANK LEVEL
05)	631 #/HR	BOILER STM FLOW X 10
06)	109.9 CFM	NG FLOW FT-301
07)	2206.0 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1811.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.34 °C	T-900 TEMP
13)	27.85 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	12.9 PPM	CO ROLLING AVERAGE
002)	1672.6 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
004)	0 Gal	Tar Flow Total
101)	639 CFM	NG TOTAL FLOW X 10
102)		

02:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01)	24.1 PPM	BOILER 1 CO READING
02)	10.64 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	84.2 %	TAR TANK LEVEL
05)	444 #/HR	BOILER STM FLOW X 10
06)	87.5 CFM	NG FLOW FT-301
07)	2371.8 CFM	BOILER 1 AIR FLOW
08)	10.00 GPM	TAR FLOW
09)	1428.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.51 °C	T-900 TEMP
13)	29.26 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	20.5 PPM	CO ROLLING AVERAGE
002)	1322.7 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
004)	0 Gal	Tar Flow Total
101)	93 CFM	NG TOTAL FLOW X 10
102)		

02:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01)	0.5 PPM	BOILER 1 CO READING
02)	[illegible] %	BOILER 1 O2 READING
03)	[illegible] PSIG	BOILER 1 RECY PRESS

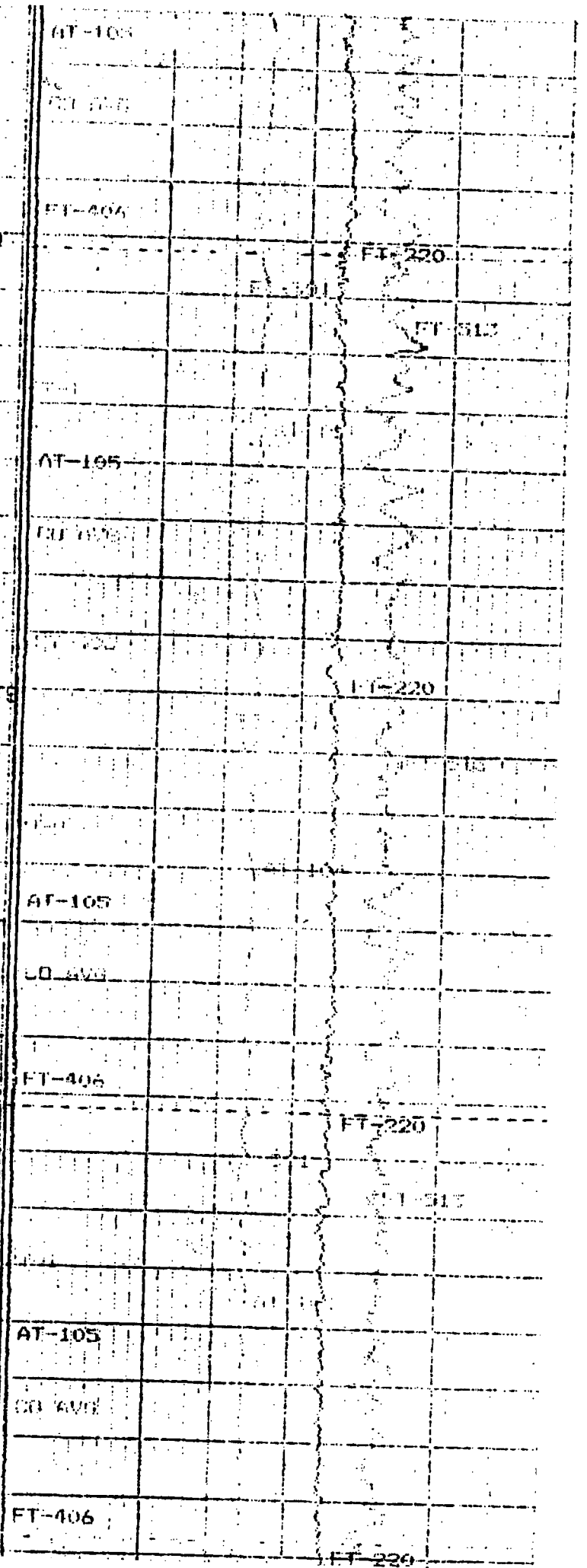


01)	4.0 PPM	BOILER 1 CO READING
02)	6.95 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	100.7 %	TAR TANK LEVEL
05)	657 #/HR.	BOILER STM FLOW X 10
06)	110.0 CFM	NG FLOW FT-301
07)	2213.9 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1980.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.63 °C	T-900 TEMP
13)	27.85 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	4.4 PPM	CO ROLLING AVERAGE
002)	1964.9 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
701)	0 Gal	Tar Flow Total
702)	2619 CFM	NG TOTAL FLOW X 10

05:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01)	4.6 PPM	BOILER 1 CO READING
02)	6.95 %	BOILER 1 O2 READING
03)	-1.2 PSIG	BOILER 1 RECY PRESS
04)	100.5 %	TAR TANK LEVEL
05)	645 #/HR.	BOILER STM FLOW X 10
06)	109.9 CFM	NG FLOW FT-301
07)	2220.3 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1947.3 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.54 °C	T-900 TEMP
13)	27.85 Hz.	Fan Drive Freq
14)	0.22 HZ	Tar Pump Freq
001)	4.6 PPM	CO ROLLING AVERAGE
002)	1921.4 DEG F	TEMP ROLLING AVERAGE
003)	0.0	Tar Flow Hr Avg
701)	0 Gal	Tar Flow Total
702)	1958 CFM	NG TOTAL FLOW X 10

04:00:00 12/30/92 JOB LOG BOILER 1 POINTS



1.1m

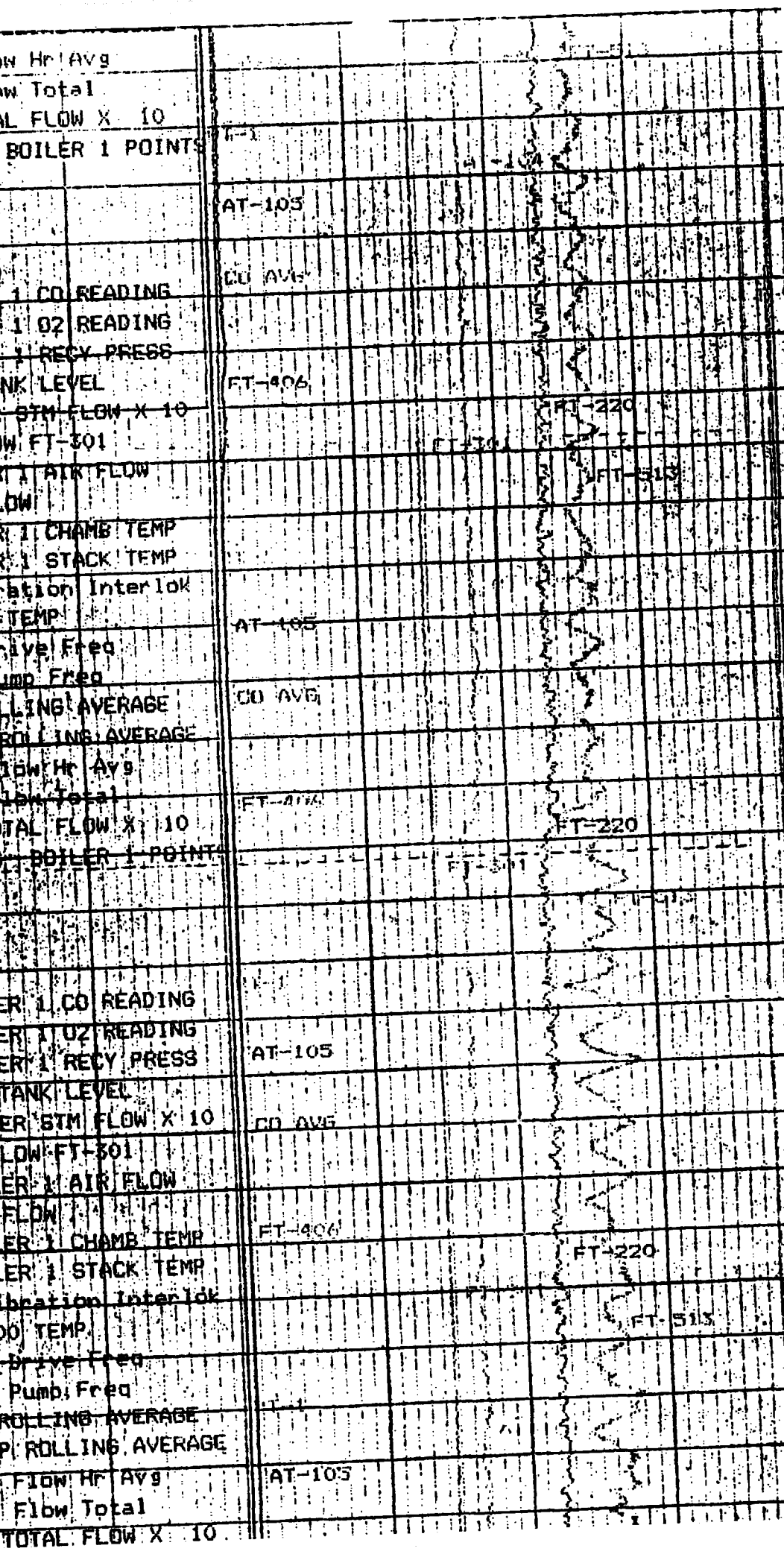
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 5253 CFM NG TOTAL FLOW X 10
09:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01) 4.0 PPM BOILER 1 CO READING
02) 6.95 % BOILER 1 O2 READING
03) -1.2 PSIG BOILER 1 RECY PRESS
04) 100.7 % TAR TANK LEVEL
05) 440 #/HR BOILER STM FLOW X 10
06) 109.7 CFM NG FLOW FT-301
07) 2259.3 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2029.3 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.54 °C T-900 TEMP
13) 27.62 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 4.1 PPM CO ROLLING AVERAGE
002) 2023.7 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 4598 CFM NG TOTAL FLOW X 10
08:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01) 4.0 PPM BOILER 1 CO READING
02) 7.04 % BOILER 1 O2 READING
03) -1.2 PSIG BOILER 1 RECY PRESS
04) 100.7 % TAR TANK LEVEL
05) 665 #/HR BOILER STM FLOW X 10
06) 109.8 CFM NG FLOW FT-301
07) 2196.7 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2019.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.40 °C T-900 TEMP
13) 28.09 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
001) 4.2 PPM CO ROLLING AVERAGE
002) 2011.5 DEG F TEMP ROLLING AVERAGE
003) 0.0 Tar Flow Hr Avg
T01) 0 Gal Tar Flow Total
T02) 3939 CFM NG TOTAL FLOW X 10

1.2m

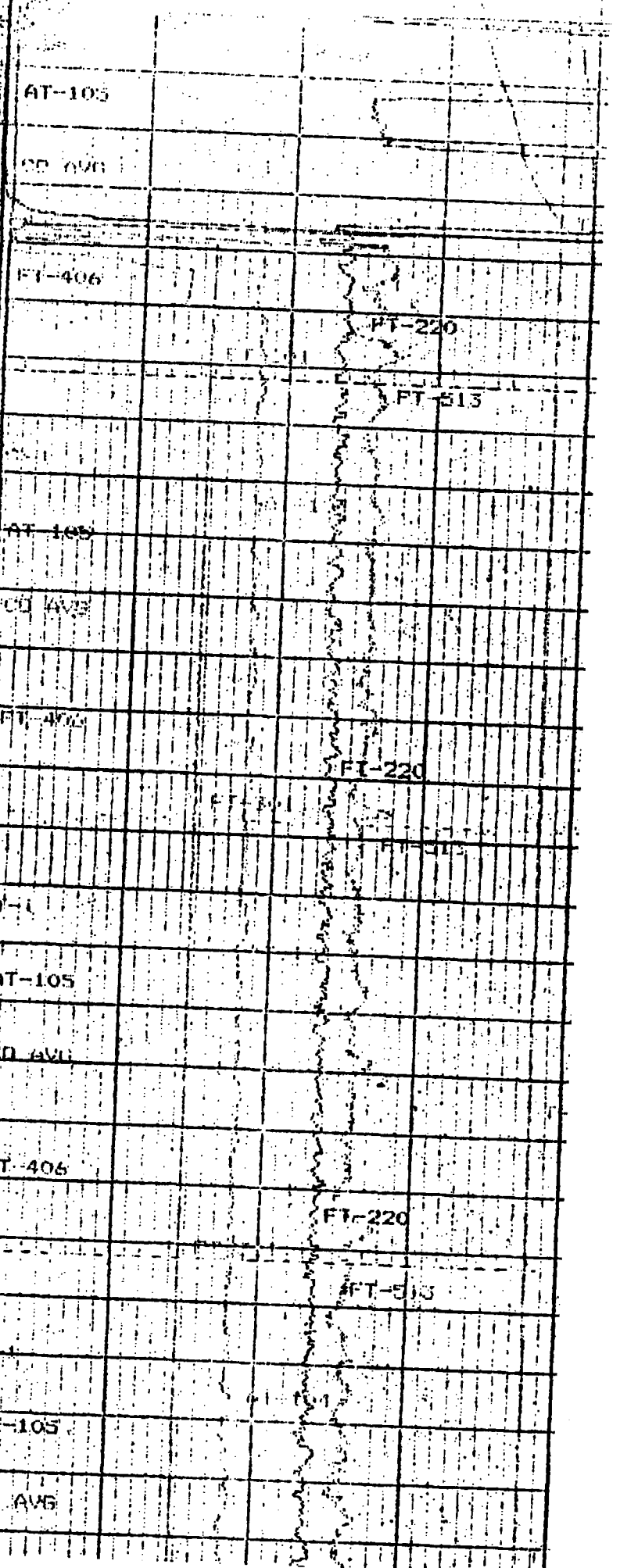
1.3m



02) 41 CFM NG TOTAL FLOW X 10
:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01) 4.6 PPM BOILER 1 CO READING
02) 7.57 % BOILER 1 O2 READING
03) -1.2 PSIG BOILER 1 RECY PRESS
04) 100.7 % TAR TANK LEVEL
05) 633 #/HR BOILER STM FLOW X 10
06) 109.1 CFM NG FLOW FT-301
07) 2394.1 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2060.1 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.49 °C T-900 TEMP
13) 28.79 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
01) 6.0 PPM CO ROLLING AVERAGE
02) 2057.0 DEG F TEMP ROLLING AVERAGE
03) 0.0 Tar Flow Hr Avg
01) 0 Gal Tar Flow Total
02) 6562 CFM NG TOTAL FLOW X 10
1:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01) 5.8 PPM BOILER 1 CO READING
02) 7.33 % BOILER 1 O2 READING
03) -1.2 PSIG BOILER 1 RECY PRESS
04) 100.2 % TAR TANK LEVEL
05) 651 #/HR BOILER STM FLOW X 10
06) 108.9 CFM NG FLOW FT-301
07) 2322.9 CFM BOILER 1 AIR FLOW
08) 0.00 GPM TAR FLOW
09) 2053.3 DEG F BOILER 1 CHAMB TEMP
10) >RANGE °F BOILER 1 STACK TEMP
11) CAL MODE Calibration Interlok
12) 125.35 °C T-900 TEMP
13) 28.79 Hz. Fan Drive Freq
14) 0.22 HZ Tar Pump Freq
01) 4.3 PPM CO ROLLING AVERAGE
02) 2051.8 DEG F TEMP ROLLING AVERAGE
03) 0.0 Tar Flow Hr Avg
01) 0 Gal Tar Flow Total
02) 5907 CFM NG TOTAL FLOW X 10
0:00:00 12/30/92 JOB LOG BOILER 1 POINTS



01)	[illegible] PPM	BOILER 1 CO READING	
02)	8.63 %	BOILER 1 O2 READING	
03)	-0.4 PSIG	BOILER 1 RECY PRESS	
04)	99.9 %	TAR TANK LEVEL	
05)	631 #/HR	BOILER STM FLOW X 10	
06)	103.3 CFM	NG FLOW FT-301	
07)	2454.3 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	1999.9 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	124.65 °C	T-900 TEMP	
13)	30.20 Hz.	Fan Drive Freq	AT-105
14)	0.22 HZ	Tar Pump Freq	
01)	4.9 PPM	CO ROLLING AVERAGE	CO AVG
02)	1969.5 DEG F	TEMP ROLLING AVERAGE	
03)	0.0	Tar Flow Hr Avg	
01)	0 Gal	Tar Flow Total	
02)	8091 CFM	NG TOTAL FLOW X 10	FT-406
4:00:00	12/30/92	JOB LOG BOILER 1 POINTS	
01)	5.7 PPM	BOILER 1 CO READING	
02)	8.87 %	BOILER 1 O2 READING	
03)	-0.4 PSIG	BOILER 1 RECY PRESS	AT-105
04)	90.6 %	TAR TANK LEVEL	
05)	542 #/HR	BOILER STM FLOW X 10	CO AVG
06)	101.2 CFM	NG FLOW FT-501	
07)	2408.4 CFM	BOILER 1 AIR FLOW	
08)	0.00 GPM	TAR FLOW	
09)	1927.0 DEG F	BOILER 1 CHAMB TEMP	FT-406
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.58 °C	T-900 TEMP	
13)	29.96 Hz.	Fan Drive Freq	
14)	0.22 HZ	Tar Pump Freq	
01)	7.0 PPM	CO ROLLING AVERAGE	
02)	1750.9 DEG F	TEMP ROLLING AVERAGE	
03)	0.0	Tar Flow Hr Avg	AT-105
01)	0 Gal	Tar Flow Total	
02)	7479 CFM	NG TOTAL FLOW X 10	
3:00:00	12/30/92	JOB LOG BOILER 1 POINTS	CO AVG

0. 12/30/92 VJ

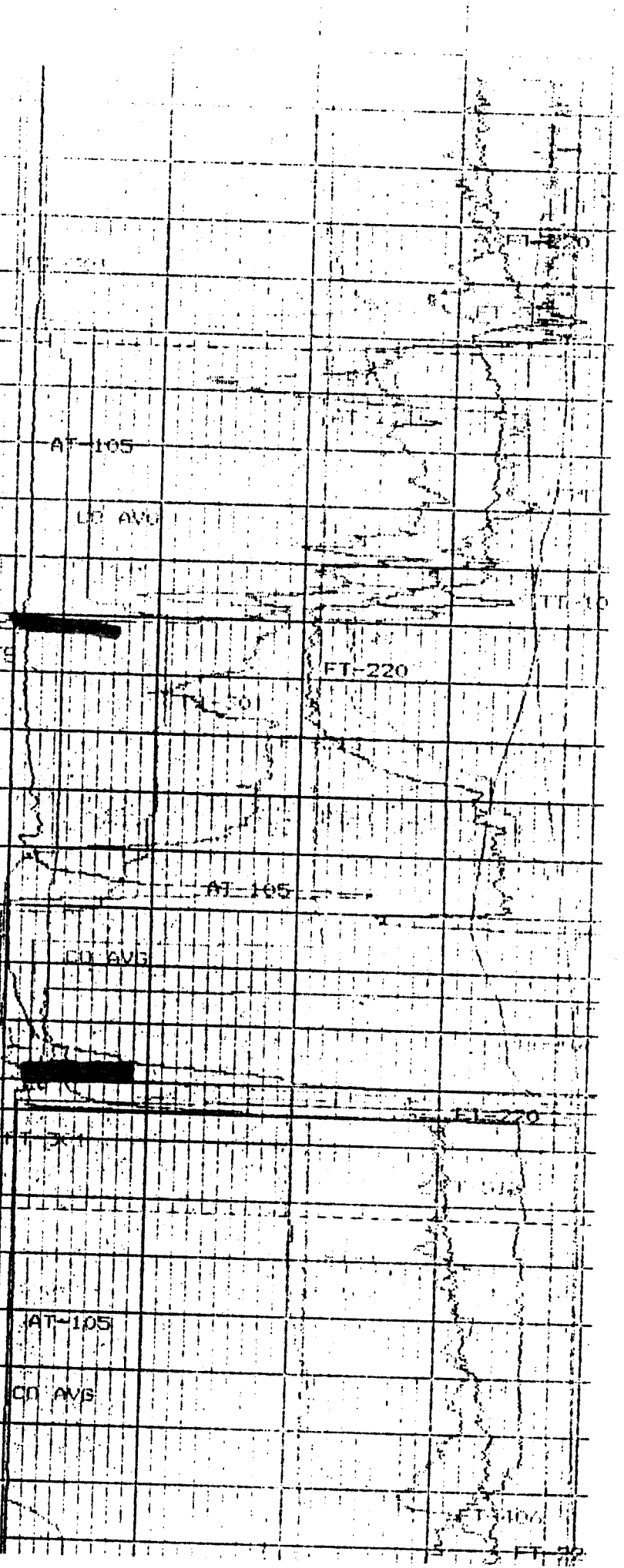
01)	6.4 PPM	BOILER 1 CO READING
02)	9.73 %	BOILER 1 O2 READING
03)	70.1 PSIG	BOILER 1 RECY PRESS
04)	99.9 %	TAR TANK LEVEL
05)	383 #/HR	BOILER STM FLOW X 10
06)	78.9 CFM	NG FLOW FT-301
07)	2028.7 CFM	BOILER 1 AIR FLOW
08)	0.00 GPM	TAR FLOW
09)	1817.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.62 °C	T-900 TEMP
13)	24.98 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
01)	28.3 PPM	CO ROLLING AVERAGE
02)	1851.4 DEG F	TEMP ROLLING AVERAGE
03)	0.4	Tar Flow Hr Avg
01)	58 Gal	Tar Flow Total
02)	9252 CFM	NG TOTAL FLOW X 10

7:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01)	8.2 PPM	BOILER 1 CO READING
02)	8.99 %	BOILER 1 O2 READING
03)	70.0 PSIG	BOILER 1 RECY PRESS
04)	98.1 %	TAR TANK LEVEL
05)	392 #/HR	BOILER STM FLOW X 10
06)	3.1 CFM	NG FLOW FT-301
07)	3310.2 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	2030.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.60 °C	T-900 TEMP
13)	39.35 Hz.	Fan Drive Freq
14)	45.02 HZ	Tar Pump Freq
01)	6.0 PPM	CO ROLLING AVERAGE
02)	2034.1 DEG F	TEMP ROLLING AVERAGE
03)	0.4	Tar Flow Hr Avg
01)	29 Gal	Tar Flow Total
02)	9112 CFM	NG TOTAL FLOW X 10

6:00:00 12/30/92 JOB LOG BOILER 1 POINTS

01)	4.9 PPM	BOILER 1 CO READING



D01 8.3 PPM CO ROLLING AVERAGE
D02 1963.6 DEG F TEMP ROLLING AVERAGE
D03 1.2 Tar Flow Hr Avg
T01 189 Gal Tar Flow Total
T02 9380 CFM NG TOTAL FLOW X 10
19:00:00 12/30/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

AT-104 BOILER 1 O2 READING

STEVE 1st SHIFT 12/30/92 18:16:26

18:10:13 5in/hr
18:10:12 12/30/92 REPLAY END AT 12/30/92 18:10:09

18:08:09 12/30/92 REPLAY START AT 12/30/92 17:49:53 WITH EFFECTIVE CHART SPEE
18:07:12 5in/hr

21.0m

05)	758 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	3076.5 CFM	BOILER 1 AIR FLOW
08)	1.21 GPM	TAR FLOW
09)	1965.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.44 °C	T-900 TEMP
13)	35.83 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
D01)	0.2 PPM	CO ROLLING AVERAGE
D02)	1964.6 DEG F	TEMP ROLLING AVERAGE
D03)	1.2	Tar Flow Hr Avg
T01)	406 Gal	Tar Flow Total
T02)	9380 CFM	NG TOTAL FLOW X 10

21:00:00 12/30/92 JOB LOG BOILER 1 POINTS

FT-301 NG FLOW FT-301

21.1m

01)	8.0 PPM	BOILER 1 CO READING
02)	7.98 %	BOILER 1 O2 READING
03)	70.1 PSIG	BOILER 1 RECY PRESS
04)	95.8 %	TAR TANK LEVEL
05)	778 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	3092.8 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	1964.4 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.74 °C	T-900 TEMP
13)	35.83 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
D01)	0.1 PPM	CO ROLLING AVERAGE
D02)	1964.4 DEG F	TEMP ROLLING AVERAGE
D03)	1.2	Tar Flow Hr Avg
T01)	333 Gal	Tar Flow Total
T02)	9380 CFM	NG TOTAL FLOW X 10

21:00:00 12/30/92 JOB LOG BOILER 1 POINTS

FT-513 BOILER STM FLOW X 10

21.2m

01)	8.0 PPM	BOILER 1 CO READING
02)	7.98 %	BOILER 1 O2 READING
03)	70.1 PSIG	BOILER 1 RECY PRESS
04)	97.8 %	TAR TANK LEVEL
05)	774 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	3036.7 CFM	BOILER 1 AIR FLOW
		TAR FLOW

02)	8.04 %	BOILER 1 O2 READING		
03)	70.0 PSIG	BOILER 1 RECY PRESS		
04)	92.2 %	TAR TANK LEVEL		
05)	742 #/HR	BOILER STM FLOW X 10		
06)	-3.1 CFM	NG FLOW FT-301		
07)	3046.8 CFM	BOILER 1 AIR FLOW		
08)	1.20 GPM	TAR FLOW	AT-105	
09)	1958.8 DEG F	BOILER 1 CHAMB TEMP		
10)	>RANGE °F	BOILER 1 STACK TEMP		
11)	CAL MODE	Calibration Interlok		
12)	125.34 °C	T-900 TEMP		
13)	35.74 Hz.	Fan Drive Freq		
14)	45.02 HZ	Tar Pump Freq		
D01)	7.8 PPM	CO ROLLING AVERAGE		
D02)	1959.4 DEG F	TEMP ROLLING AVERAGE		
D03)	1.2	Tar Flow Hr Avg		
T01)	144 Gal	Tar Flow Total		
T02)	0 CFM	NG TOTAL FLOW X 10		
02:00:00 12/31/92 JOB LOG BOILER 1 POINTS				
T-900	T-900 TEMP		AT-109	
01)	8.2 PPM	BOILER 1 CO READING	CO AVG	
02)	7.85 %	BOILER 1 O2 READING		
03)	70.1 PSIG	BOILER 1 RECY PRESS		
04)	93.0 %	TAR TANK LEVEL		
05)	772 #/HR	BOILER STM FLOW X 10		
06)	-3.1 CFM	NG FLOW FT-301		
07)	3022.0 CFM	BOILER 1 AIR FLOW		
08)	[redacted]	TAR FLOW		
09)	1960.7 DEG F	BOILER 1 CHAMB TEMP		
10)	>RANGE °F	BOILER 1 STACK TEMP		
11)	CAL MODE	Calibration Interlok		
12)	125.60 °C	T-900 TEMP	AT-106	
13)	36.06 Hz.	Fan Drive Freq		
14)	45.02 HZ	Tar Pump Freq		
D01)	8.0 PPM	CO ROLLING AVERAGE		
D02)	1960.1 DEG F	TEMP ROLLING AVERAGE		
D03)	1.2	Tar Flow Hr Avg		
T01)	72 Gal	Tar Flow Total		
T02)	0 CFM	NG TOTAL FLOW X 10		
01:00:00 12/31/92 JOB LOG BOILER 1 POINTS				
T-106	BOILER 1 CHAMB TEMP			
01)	8.2 PPM	BOILER 1 CO READING		
02)	8.16 %	BOILER 1 O2 READING		
03)	70.2 PSIG	BOILER 1 RECY PRESS	AT-103	
04)	94.2 %	TAR TANK LEVEL		

20.5m

20.6m

20.7m

12)	742 °C	T-900 TEMP
13)	83 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.6 PPM	CO ROLLING AVERAGE
002)	1940.7 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
101)	433 Gal	Tar Flow Total
102)	0 CFM	NG TOTAL FLOW X 10

06:00:00 12/31/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	7.9 PPM	BOILER 1 CO READING
02)	9.20 %	BOILER 1 O2 READING
03)	70.1 PSIG	BOILER 1 RECY PRESS
04)	89.8 %	TAR TANK LEVEL
05)	741 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	3310.9 CFM	BOILER 1 AIR FLOW
08)	1.20 GPM	TAR FLOW
09)	1907.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.78 °C	T-900 TEMP
13)	39.59 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	8.3 PPM	CO ROLLING AVERAGE
002)	1924.2 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
101)	360 Gal	Tar Flow Total
102)	0 CFM	NG TOTAL FLOW X 10

05:00:00 12/31/92 JOB LOG BOILER 1 POINTS

AT-105 BOILER 1 CO READING

01)	7.6 PPM	BOILER 1 CO READING
02)	8.01 %	BOILER 1 O2 READING
03)	70.1 PSIG	BOILER 1 RECY PRESS
04)	90.9 %	TAR TANK LEVEL
05)	746 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	3057.8 CFM	BOILER 1 AIR FLOW
08)	[redacted]	TAR FLOW
09)	1958.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	126.27 °C	T-900 TEMP
13)	35.83 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq

20.1m

01)	7.3	PPM	BOILER 1 CO READING
02)	7.46	%	BOILER 1 O2 READING
03)	70.1	PSIG	BOILER 1 RECY PRESS
04)	85.9	%	TAR TANK LEVEL
05)	773	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2944.8	CFM	BOILER 1 AIR FLOW
08)	1.20	GPM	TAR FLOW
09)	1974.8	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.49	°C	T-900 TEMP
13)	34.19	Hz.	Fan Drive Freq
14)	45.03	HZ	Tar Pump Freq
001)	7.1	PPM	CO ROLLING AVERAGE
002)	1974.6	DEG F	TEMP ROLLING AVERAGE
003)	1.2		Tar Flow Hr Avg
101)	449	Gal	Tar Flow Total
102)	0	CFM	NG TOTAL FLOW X 10

09:00:00 12/31/92 JOB LOG BOILER 1 POINTS

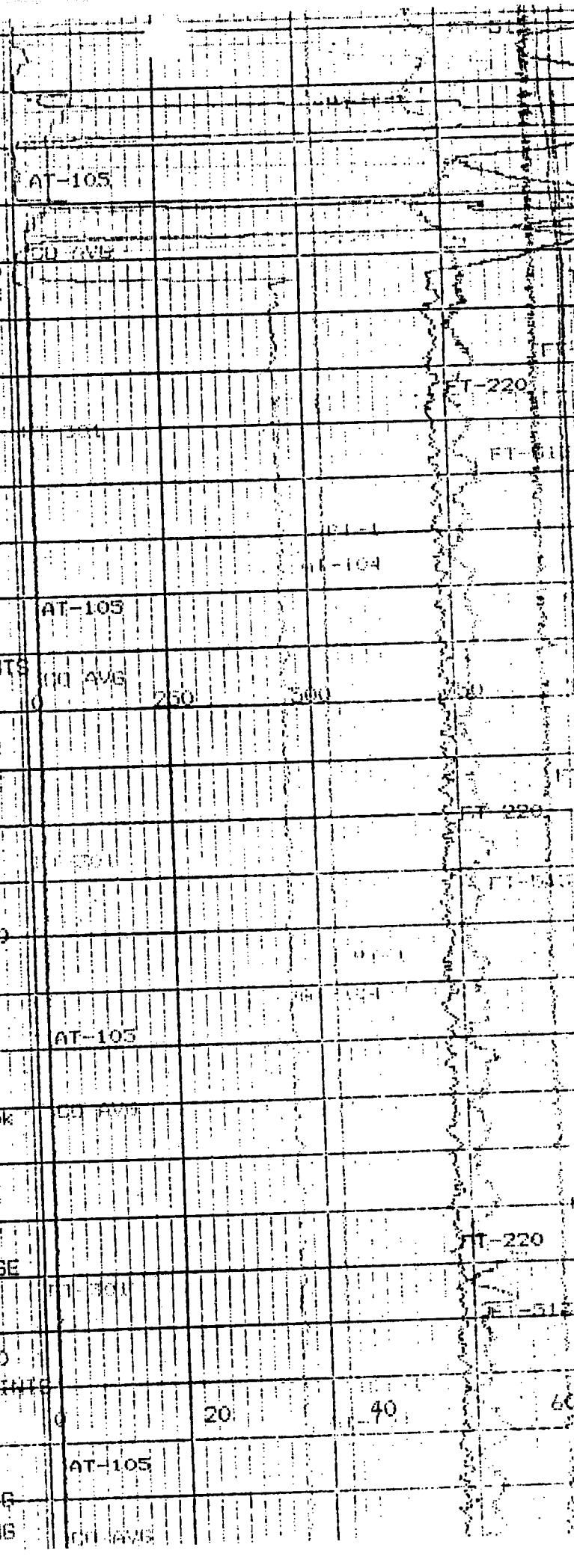
FT-513 BOILER STM FLOW X 10

01)	7.0	PPM	BOILER 1 CO READING
02)	7.57	%	BOILER 1 O2 READING
03)	70.2	PSIG	BOILER 1 RECY PRESS
04)	80.5	%	TAR TANK LEVEL
05)	901	#/HR	BOILER STM FLOW X 10
06)	-3.1	CFM	NG FLOW FT-301
07)	2929.3	CFM	BOILER 1 AIR FLOW
08)	1.20	GPM	TAR FLOW
09)	1973.5	DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE	°F	BOILER 1 STACK TEMP
11)	CAL MODE		Calibration Interlok
12)	125.42	°C	T-900 TEMP
13)	34.42	Hz.	Fan Drive Freq
14)	45.03	HZ	Tar Pump Freq
001)	7.2	PPM	CO ROLLING AVERAGE
002)	1970.8	DEG F	TEMP ROLLING AVERAGE
003)	1.2		Tar Flow Hr Avg
101)	577	Gal	Tar Flow Total
102)	0	CFM	NG TOTAL FLOW X 10

09:00:00 12/31/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

01)	7.0	PPM	BOILER 1 CO READING
02)	7.51	%	BOILER 1 O2 READING



10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.51 °C	T-900 TEMP
13)	34.42 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.1 PPM	CO ROLLING AVERAGE
002)	1979.4 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
101)	938 Gal	Tar Flow Total
102)	0 CFM	NG TOTAL FLOW X 10

13:00:00 12/31/92 JOB LOG BOILER 1 POINTS

T-196 BOILER 1 CHAMB TEMP

01)	7.4 PPM	BOILER 1 CO READING
02)	7.31 %	BOILER 1 O2 READING
03)	70.1 PSIG	BOILER 1 RECY PRESS
04)	83.8 %	TAR TANK LEVEL
05)	843 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2908.5 CFM	BOILER 1 AIR FLOW
08)	1.21 GPM	TAR FLOW
09)	1973.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.38 °C	T-900 TEMP
13)	34.42 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
01)	7.1 PPM	CO ROLLING AVERAGE
02)	1966.5 DEG F	TEMP ROLLING AVERAGE
03)	1.2	Tar Flow Hr Avg
01)	866 Gal	Tar Flow Total
02)	0 CFM	NG TOTAL FLOW X 10

2:00:00 12/31/92 JOB LOG BOILER 1 POINTS

T-406 TAR FLOW

1)	7.1 PPM	BOILER 1 CO READING
2)	7.60 %	BOILER 1 O2 READING
3)	70.0 PSIG	BOILER 1 RECY PRESS
4)	83.9 %	TAR TANK LEVEL
5)	763 #/HR	BOILER STM FLOW X 10
6)	-3.1 CFM	NG FLOW FT-301
7)	2936.8 CFM	BOILER 1 AIR FLOW
8)	1.21 GPM	TAR FLOW
9)	1963.1 DEG F	BOILER 1 CHAMB TEMP
0)	>RANGE °F	BOILER 1 STACK TEMP
1)	CAL MODE	Calibration Interlok
2)	125.90 °C	T-900 TEMP

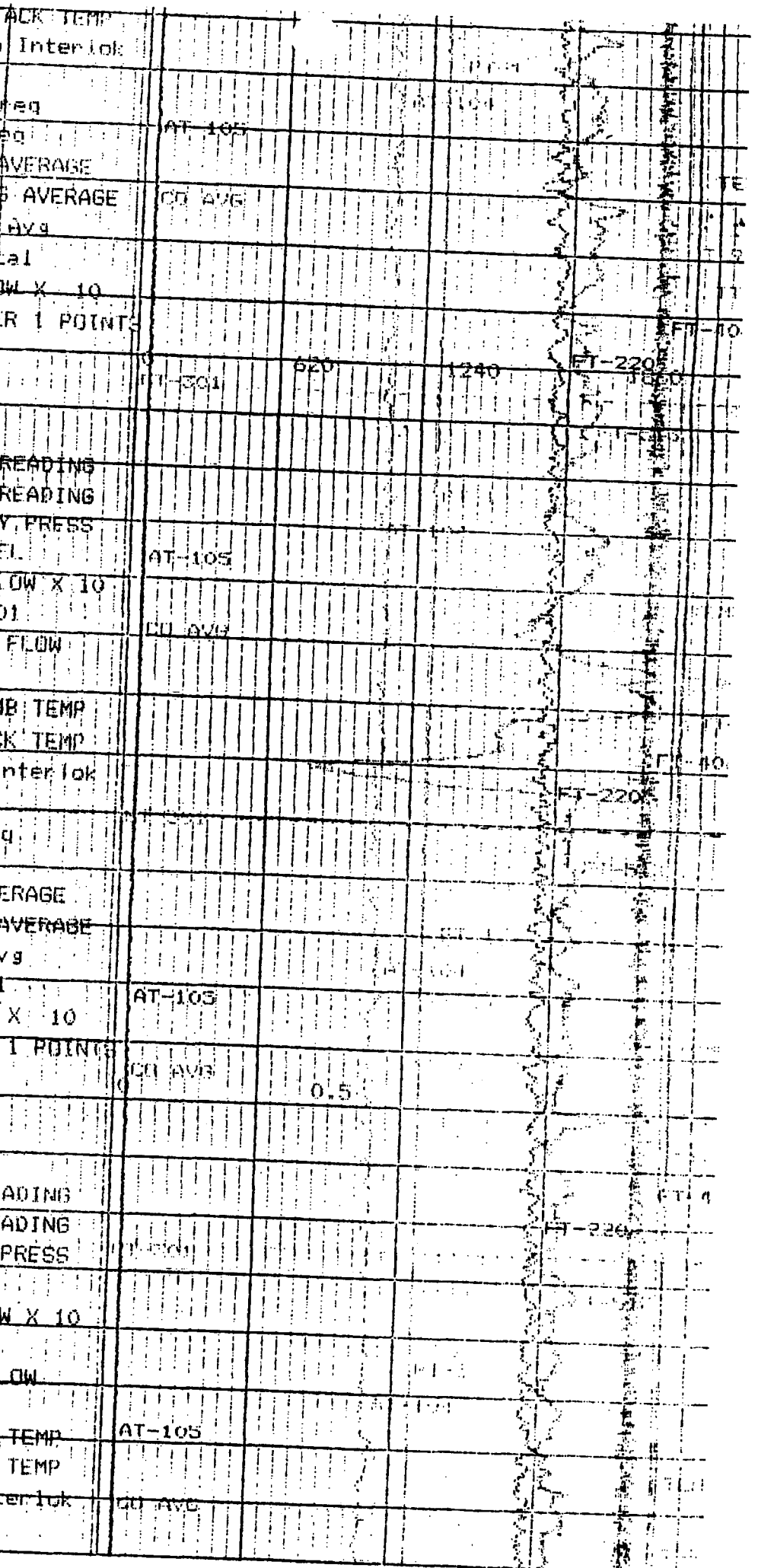


CHART No. GD244101U100

Chevrell

17:00 12/31/92 JOB LOG BOILER 1 POINTS

0 620 1240 1860

TEMP AV TEMP ROLLING AVERAGE AT-104

AT-105

01)	7.4 PPM	BOILER 1 CO READING	
02)	7.31 %	BOILER 1 O2 READING	CO AVG
03)	70.1 PSIG	BOILER 1 RECY PRESS	
04)	79.5 %	TAR TANK LEVEL	
05)	799 #/HR	BOILER STM FLOW X 10	
06)	-3.1 CFM	NG FLOW FT-301	FT-220
07)	2931.2 CFM	BOILER 1 AIR FLOW	
08)	1.20 GPM	TAR FLOW	FT-301
09)	[illegible] DEG F	BOILER 1 CHAMB TEMP	
10)	[illegible]	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	25.77 °C	T-900 TEMP	AT-104
13)	34.89 Hz	Fan Drive Freq	AT-105
14)	45.03 HZ	Tar Pump Freq	
D01)	7.2 PPM	CO ROLLING AVERAGE	
D02)	1992.0 DEG F	TEMP ROLLING AVERAGE	CO AVG
D03)	1.2	Tar Flow Hr Avg	
T01)	1155 Gal	Tar Flow Total	
T02)	0 CFM	NG TOTAL FLOW X 10	

16:00:00 12/31/92 JOB LOG BOILER 1 POINTS

0 100 200 FT-220

CO AVG CO ROLLING AVERAGE FT-301

01)	7.4 PPM	BOILER 1 CO READING	
02)	7.34 %	BOILER 1 O2 READING	
03)	70.1 PSIG	BOILER 1 RECY PRESS	AT-105
04)	80.6 %	TAR TANK LEVEL	
05)	776 #/HR	BOILER STM FLOW X 10	CO AVG
06)	-3.1 CFM	NG FLOW FT-301	
07)	2954.2 CFM	BOILER 1 AIR FLOW	
08)	1.20 GPM	TAR FLOW	
09)	1991.6 DEG F	BOILER 1 CHAMB TEMP	
10)	>RANGE °F	BOILER 1 STACK TEMP	
11)	CAL MODE	Calibration Interlok	
12)	125.70 °C	T-900 TEMP	
13)	35.12 Hz	Fan Drive Freq	
14)	45.03 HZ	Tar Pump Freq	
D01)	7.2 PPM	CO ROLLING AVERAGE	
D02)	1992.1 DEG F	TEMP ROLLING AVERAGE	AT-104
D03)	1.2	Tar Flow Hr Avg	AT-105
T01)	1082 Gal	Tar Flow Total	
T02)	0 CFM	NG TOTAL FLOW X 10	

15:00:00 12/31/92 JOB LOG BOILER 1 POINTS CO AVG

KIM W 2ND 14:58:52 12/31/92

18.7m

18.8m

18.9m

07)	2970.9 CFM	BOILER 1 AIR FLOW
08)	1.22 GPM	TAR FLOW
09)	1997.5 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.67 °C	T-900 TEMP
13)	34.89 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.2 PPM	CO ROLLING AVERAGE
002)	1997.4 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
101)	1443 Gal	Tar Flow Total
102)	0 CFM	NG TOTAL FLOW X 10

20:00:00 12/31/92 JOB LOG BOILER 1 POINTS

PT-1 BOILER 1 RECY PRESS

01)	7.0 PPM	BOILER 1 CO READING
02)	7.81 %	BOILER 1 O2 READING
03)	70.2 PSIG	BOILER 1 RECY PRESS
04)	79.2 %	TAR TANK LEVEL
05)	777 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2938.0 CFM	BOILER 1 AIR FLOW
08)	1.20 GPM	TAR FLOW
09)	1998.6 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.56 °C	T-900 TEMP
13)	35.13 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.1 PPM	CO ROLLING AVERAGE
002)	1997.2 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
101)	1371 Gal	Tar Flow Total
102)	0 CFM	NG TOTAL FLOW X 10

19:00:00 12/31/92 JOB LOG BOILER 1 POINTS

AT-104 BOILER 1 O2 READING

01)	7.4 PPM	BOILER 1 CO READING
02)	7.84 %	BOILER 1 O2 READING
03)	70.1 PSIG	BOILER 1 RECY PRESS
04)	77.5 %	TAR TANK LEVEL
05)	771 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2984.2 CFM	BOILER 1 AIR FLOW
08)	1.20 GPM	TAR FLOW
09)	1997.7 DEG F	BOILER 1 CHAMB TEMP

01)	7.0 PPM	BOILER 1 CO READING
02)	7.84 %	BOILER 1 O2 READING
03)	70.0 PSIG	BOILER 1 RECY PRESS
04)	73.0 %	TAR TANK LEVEL
05)	770 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2970.4 CFM	BOILER 1 AIR FLOW
08)	1.18 GPM	TAR FLOW
09)	1992.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.70 °C	T-900 TEMP
13)	34.89 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.0 PPM	CO ROLLING AVERAGE
002)	1991.7 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
T01)	1588 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

22:00:00 12/31/92 JOB LOG BOILER 1 POINTS

FT-517 BOILER STM FLOW X 10

01)	7.6 PPM	BOILER 1 CO READING
02)	7.81 %	BOILER 1 O2 READING
03)	70.0 PSIG	BOILER 1 RECY PRESS
04)	74.4 %	TAR TANK LEVEL
05)	766 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2978.0 CFM	BOILER 1 AIR FLOW
08)	1.18 GPM	TAR FLOW
09)	1993.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.72 °C	T-900 TEMP
13)	34.89 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.2 PPM	CO ROLLING AVERAGE
002)	1994.0 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
T01)	1516 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

21:00:00 12/31/92 JOB LOG BOILER 1 POINTS

T-900 TAR TANK LEVEL

01)	7.0 PPM	BOILER 1 CO READING

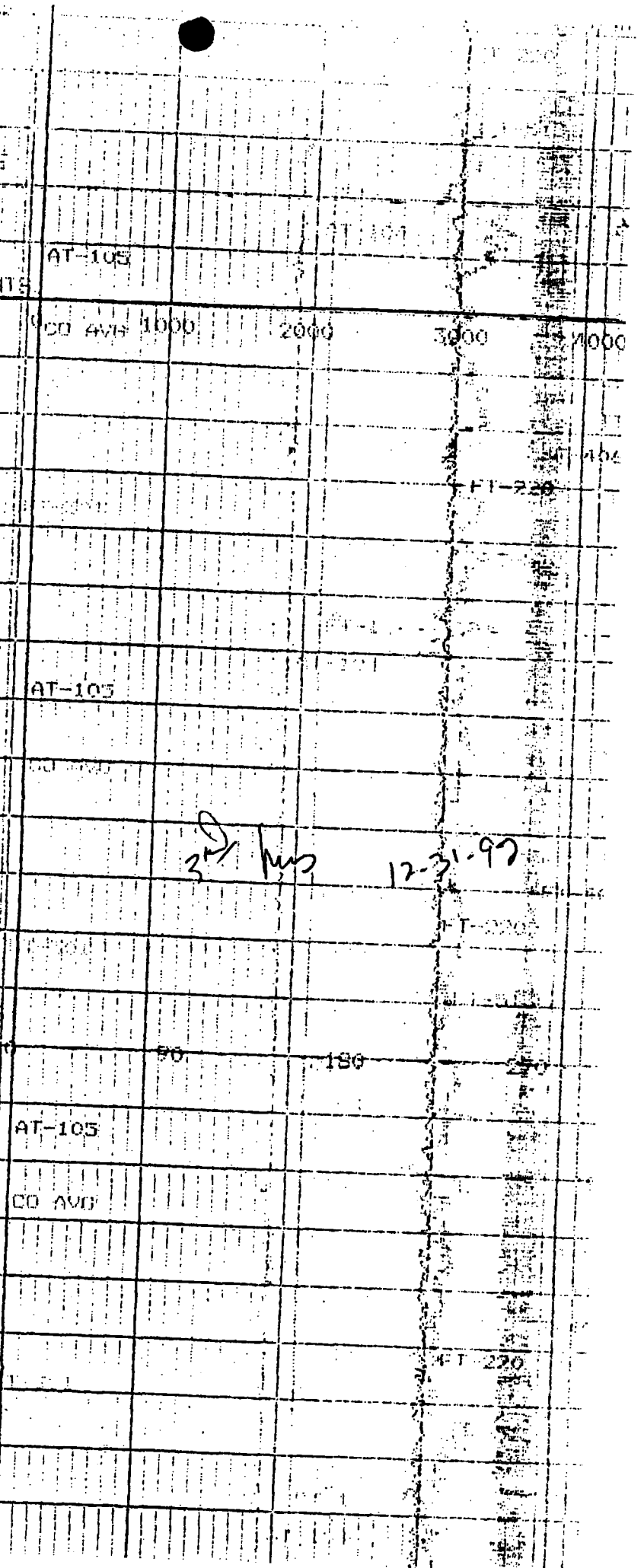
11) CAL MODE		Calibration Interlok
12)	[illegible].46 °C	T-900 TEMP
13)	[illegible].13 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.0 PPM	CO ROLLING AVERAGE
002)	1989.1 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
T01)	1732 Gal	Tar Flow Total
T02)	0 CFM	NG TOTAL FLOW X 10

00:00:00 01/01/93 JOB LOG BOILER 1 POINTS

FT-220 BOILER 1 AIR FLOW

01)	7.0 PPM	BOILER 1 CO READING
02)	7.89 %	BOILER 1 O2 READING
03)	69.9 PSIG	BOILER 1 RECY PRESS
04)	71.6 %	TAR TANK LEVEL
05)	788 #/HR	BOILER STM FLOW X 10
06)	3.1 CFM	NG FLOW FT-301
07)	2939.2 CFM	BOILER 1 AIR FLOW
08)	1.19 GPM	TAR FLOW
09)	1990.7 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.49 °C	T-900 TEMP
13)	35.13 Hz.	Fan Drive Freq
14)	45.03 HZ	Tar Pump Freq
001)	7.0 PPM	CO ROLLING AVERAGE
002)	1990.5 DEG F	TEMP ROLLING AVERAGE
003)	1.2	Tar Flow Hr Avg
01)	1660 Gal	Tar Flow Total
02)	0 CFM	NG TOTAL FLOW X 10

3:00:00 12/31/92 JOB LOG BOILER 1 POINTS

T-301 NG FLOW FT-301

01)	7.0 PPM	BOILER 1 CO READING
02)	7.84 %	BOILER 1 O2 READING
03)	70.0 PSIG	BOILER 1 RECY PRESS
04)	73.0 %	TAR TANK LEVEL
05)	770 #/HR	BOILER STM FLOW X 10
06)	-3.1 CFM	NG FLOW FT-301
07)	2970.4 CFM	BOILER 1 AIR FLOW
08)	1.18 GPM	TAR FLOW
09)	1992.0 DEG F	BOILER 1 CHAMB TEMP
10)	>RANGE °F	BOILER 1 STACK TEMP
11)	CAL MODE	Calibration Interlok
12)	125.70 °C	T-900 TEMP
13)	34.89 Hz.	Fan Drive Freq