

**PE03-044**

**FORD**

**5/13/2005**

**APPENDIX I**

**BOOK 22 OF 28**

**PART 1 OF 4**

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**From:** Swicker, Rick (R.M.)  
**Sent:** Friday, January 31, 2003 9:03 AM  
**To:** West, Gregory (G.S.)  
**Subject:** RE: Gage R&R

Greg, Here it is. I didn't take the time to organize it so let me know if you have any questions. The 'NGS Volts Read' column is a combination of the before EOL and after EOL readings. There was never enough difference between the two to bother documenting.



KTP data.xls

-----Original Message-----

**From:** West, Gregory (G.S.)  
**Sent:** Friday, January 31, 2003 8:39 AM  
**To:** Gehl, Laxman (L.D.); Page, Michael (M.A.)  
**Cc:** Hawkins, Fred (F.W.); Swicker, Rick (R.M.)  
**Subject:** RE: Gage R&R

We didn't do an official gage r&r but we did check ten trucks just before rolls, at rolls and just after rolls. Rick Swicker from the EOL diagnostic group took the data. Rick, do you still have the data? Can you summarize your findings, thanks.

-----Original Message-----

**From:** Gehl, Laxman (L.D.)  
**Sent:** Thursday, January 30, 2003 3:57 PM  
**To:** Page, Michael (M.A.); West, Gregory (G.S.)  
**Cc:** Hawkins, Fred (F.W.)  
**Subject:** Gage R&R

Gentlemen,

During my recent visit at WMCO, I understood that WMCO folks had requested to have the gage R&R study done at KTP. I was wondering if the study is completed and the data can be made available to them. If the study is not done, is there any plan? Further, please let me know if any assistance from WMCO is needed to complete the gage R&R study - in that case what is the good time (dates) for them to visit KTP.

Thank you

United We Stand

**Laxman Gehl**

SEA Chassis Engineer

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	POS Vols Prod	RES Covels TWR200	201 Data Covels Log%	200 WCLLNGH
000007				
1-CL	4.28	895.504	836	8.616
2-CL	1.48	248.798	382	2.882
3-CL	0.5	184.52	182	3.88
				0
1-WCT	8.68	128.838	188	2.882
2-WCT	4.18	148.82	853	3.88
3-WCT	3.87	701.126	726	4.884
				8
000004				
	3.88	817.982	810	1.888
	1.54	308.248	311	1.732
	0.57	198.888	288	0.888
				0
	8.08	147.382	142	0.688
	4.87	873.838	854	4.884
	3.82	728.888	721	8.184
				0
000002				
	4.84	877.382	875	2.882
	1.48	228.85	288	2.04
	0.87	178.778	182	2.882
				8
	0.53	188.844	188	0.882
	4.18	843.778	848	2.784
	2.95	787.04	728	1.88
				8
000004				
	4.88	857.882	857	8.832
	1.48	228.888	288	1.88
	0.88	182.272	188	1.728
				0
	0.54	198.888	188	2.882
	4.78	888.044	888	8.084
	3.81	788.228	754	8.228
				8
000008				
	4.88	858.884	858	8.284
	1.42	228.884	284	1.884
	0.88	182.224	182	1.778
				0
	0.58	128.832	127	0.688
	4.78	848.834	847	1.178
	3.85	727.84	728	2.84
				8
000048				
	2.88	818.88	812	1.882
	1.48	228.88	288	1.04
	0.84	188.388	188	0.388
				0
	0.71	148.488	147	1.888
	3.87	818.888	814	8.984
	3.28	884.272	888	8.228
				8
000088				
	3.88	888.88	882	8.84
	1.48	228.888	288	0.888
	0.88	184.28	182	1.28
				0
	0.88	147.812	148	1.884
	4.84	877.882	878	1.888
	3.87	728.88	712	1.284
				8
000088				
	3.88	877.882	878	1.888
	1.88	278.344	288	1.888
	0.88	228.782	228	0.228
				0
	0.28	128.884	128	0.728
	4.78	848.882	882	2.08
	3.8	727.28	727	0.28
				0
000088				
	4.11	847.728	848	1.728
	1.8	288.12	288	3.28
	0.88	182.272	184	1.728
				8
	0.48	128.828	128	0.828
	4.71	841.288	848	8.272
	3.83	722.844	728	8.984
				0
000081				
	4.88	828.344	828	0.344
	1.42	228.284	288	0.728
	0.88	178.188	178	1.872
				8
	0.28	114.888	114	0.888
	4.14	847.872	848	8.728
	3.47	728.888	712	1.344

From: Miers, Jerry [jmiers@wmco.com]  
Sent: Tuesday, January 28, 2003 8:44 AM  
To: 'gwest2@Ford.com'; 'lposky@ford.com'  
Cc: Sitanpa, Don  
Subject: Data from Run of 01/24/03

Greg/Larry

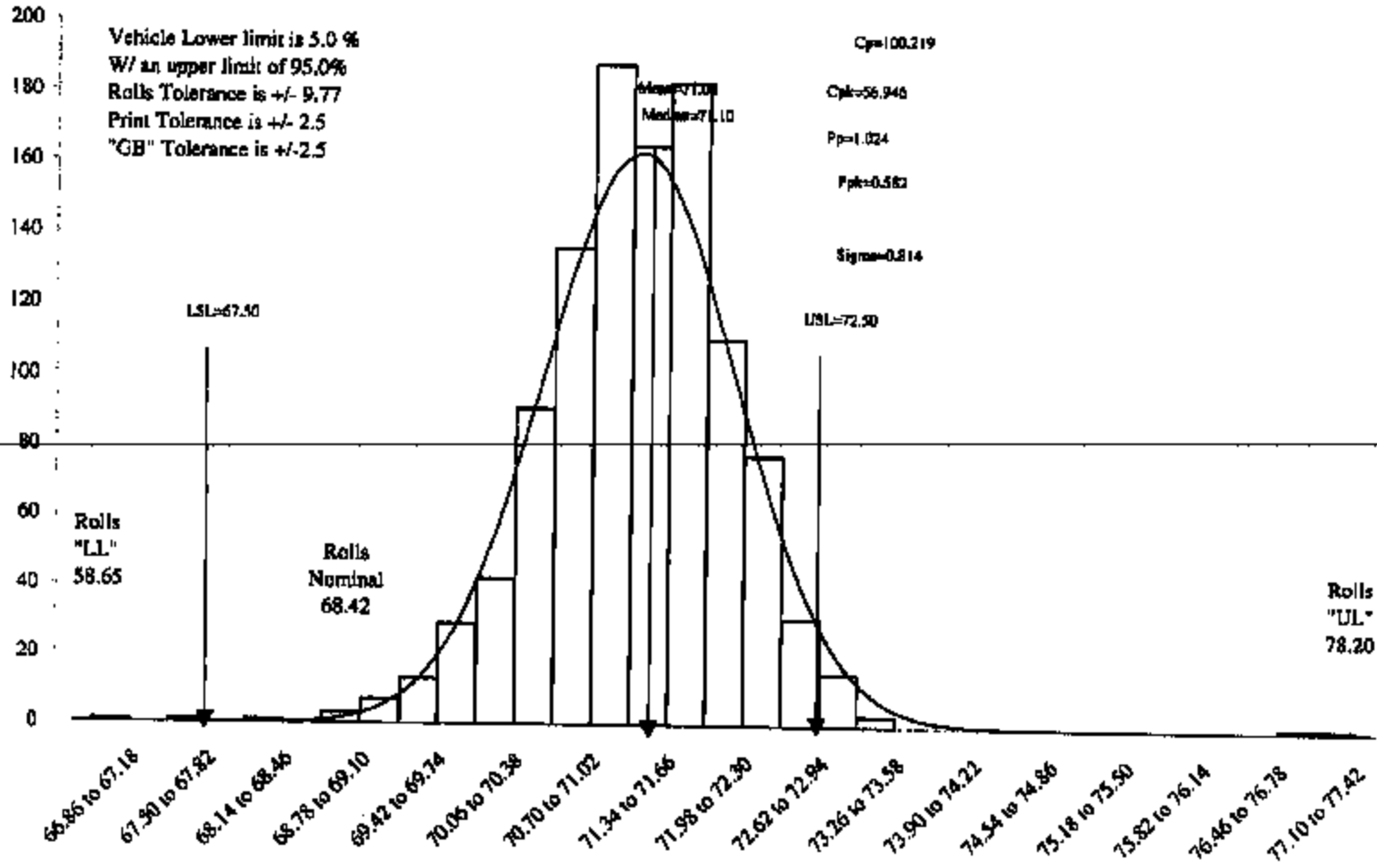
Attached you will find data from the run of 01/24/03, also in the file are histograms of the WOTs utilizing the Guard band tolerances and the print tolerances. Just for other notes are the ROLL and Vehicle tolerances. In the raw data you will see some blank we took the liberty of remove some of the flyers from the run data.

10/2/2003

PE83-044 11129

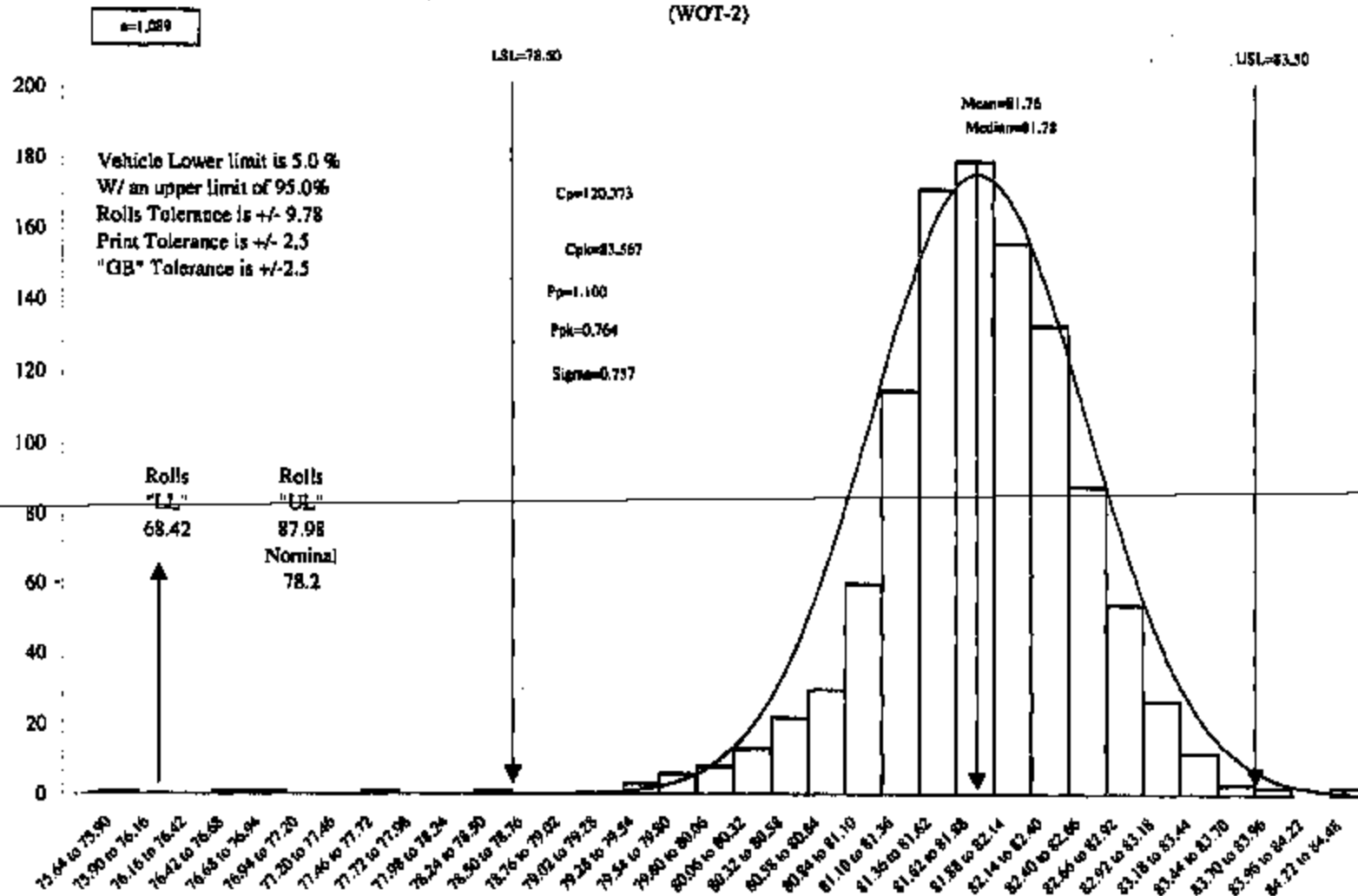
Form P-131 Production Run of 01/24/03  
(WOT Track 3)

n=1,100



PERO-844 11136

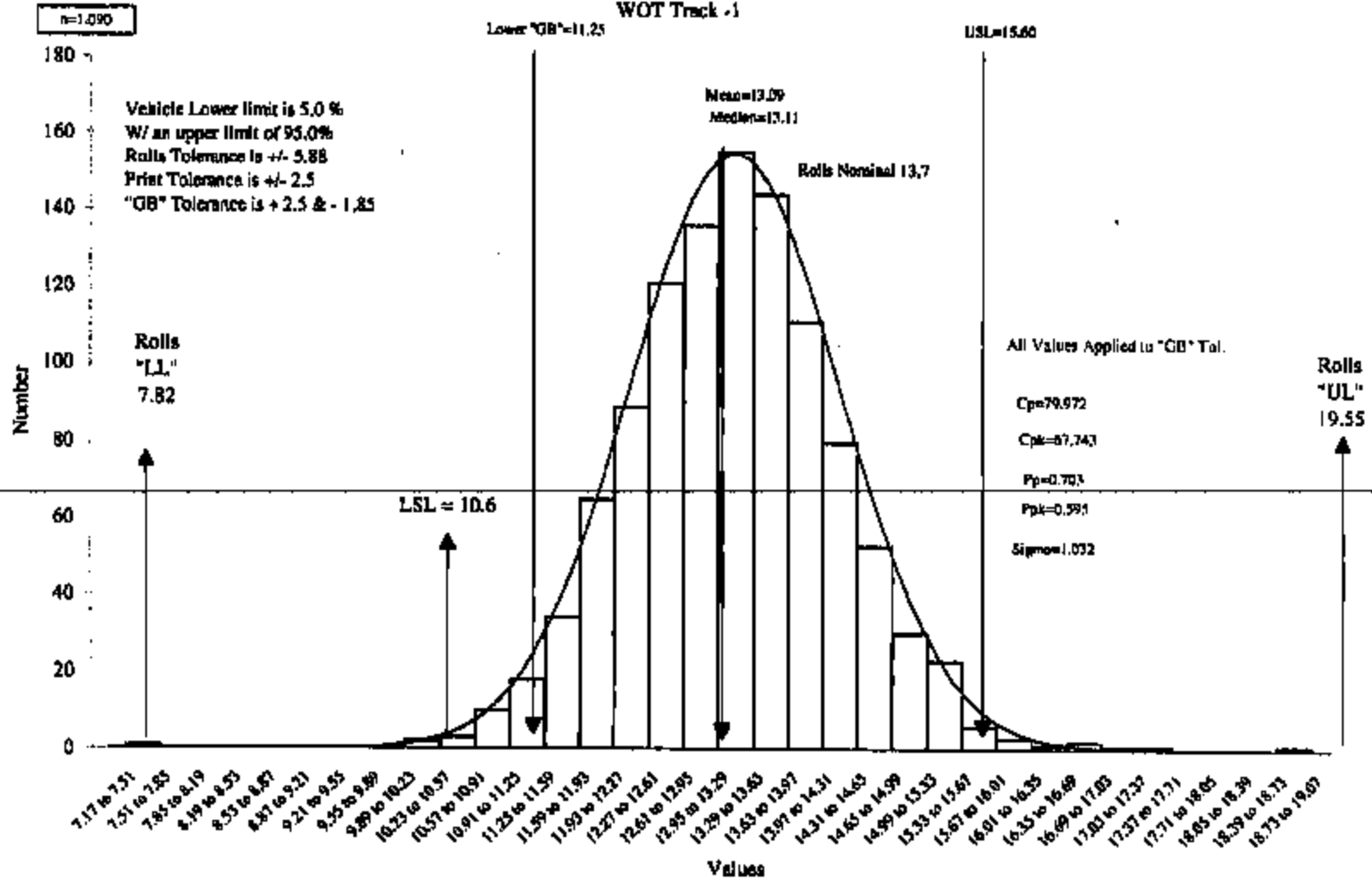
Ford P-131 2003.25 Production Run of 01/24/03  
(WOT-2)



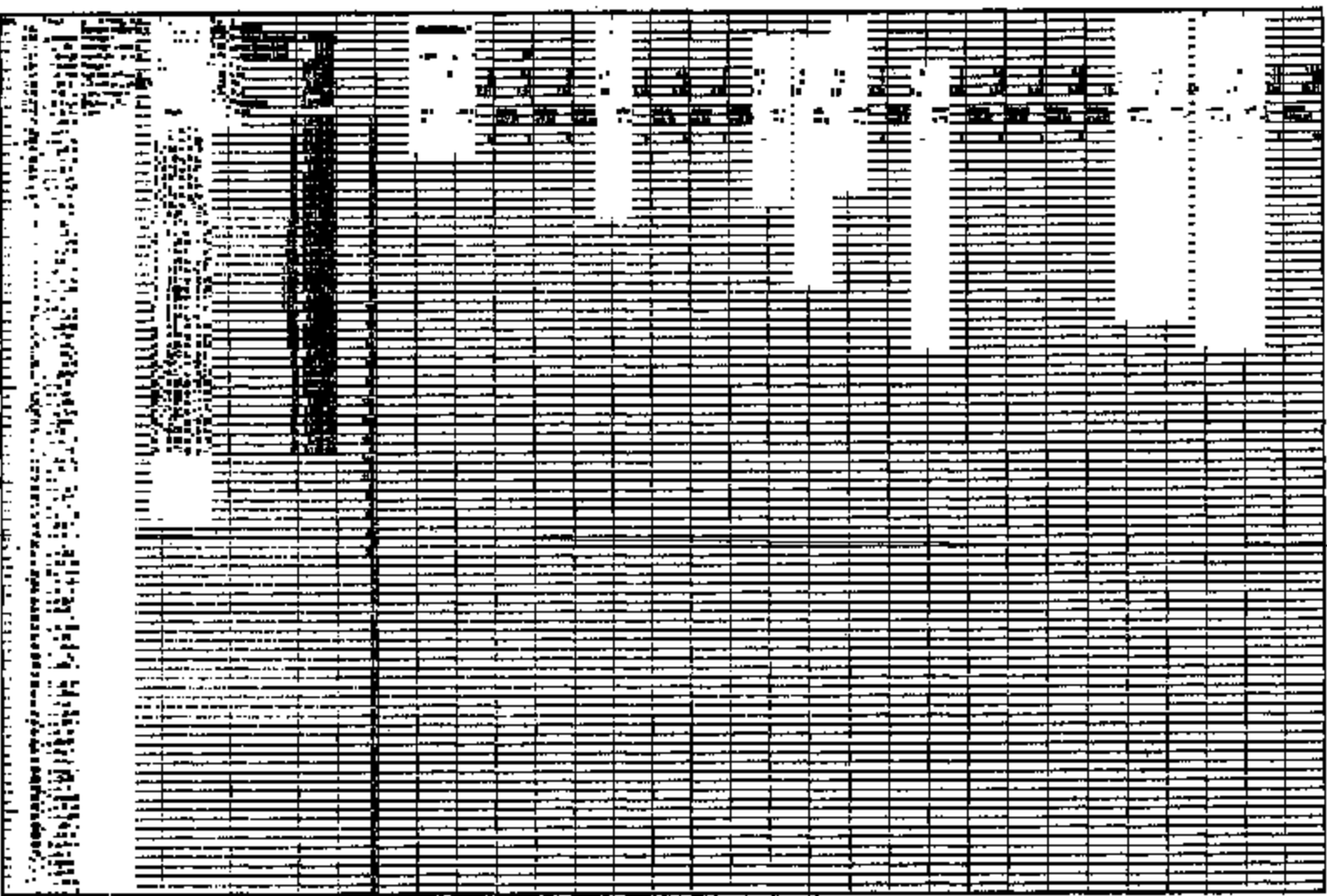
PE03-044 11131

Ford F-151 2003.25 Production Run of 01/024/03

WOT Track -1



PER3-044 1132





The image shows a large sheet of graph paper with a grid of small squares. A vertical line is drawn on the left side, creating a margin. The grid is mostly empty, with some faint, illegible markings in the margin area.

MEMO-04 11194

FORM 044 11135

PERC-444 11130

The image shows a large sheet of graph paper with a grid of small squares. A vertical margin is present on the left side, consisting of several columns of slightly larger squares. The rest of the page is filled with a standard grid of small squares. The grid is oriented horizontally on the page.

The image shows a large grid of graph paper. The grid is composed of small squares. On the left side, there is a vertical margin consisting of several columns of slightly larger squares. The grid is mostly empty, with no data or text entered.

FORM 944 11137

11137

11137

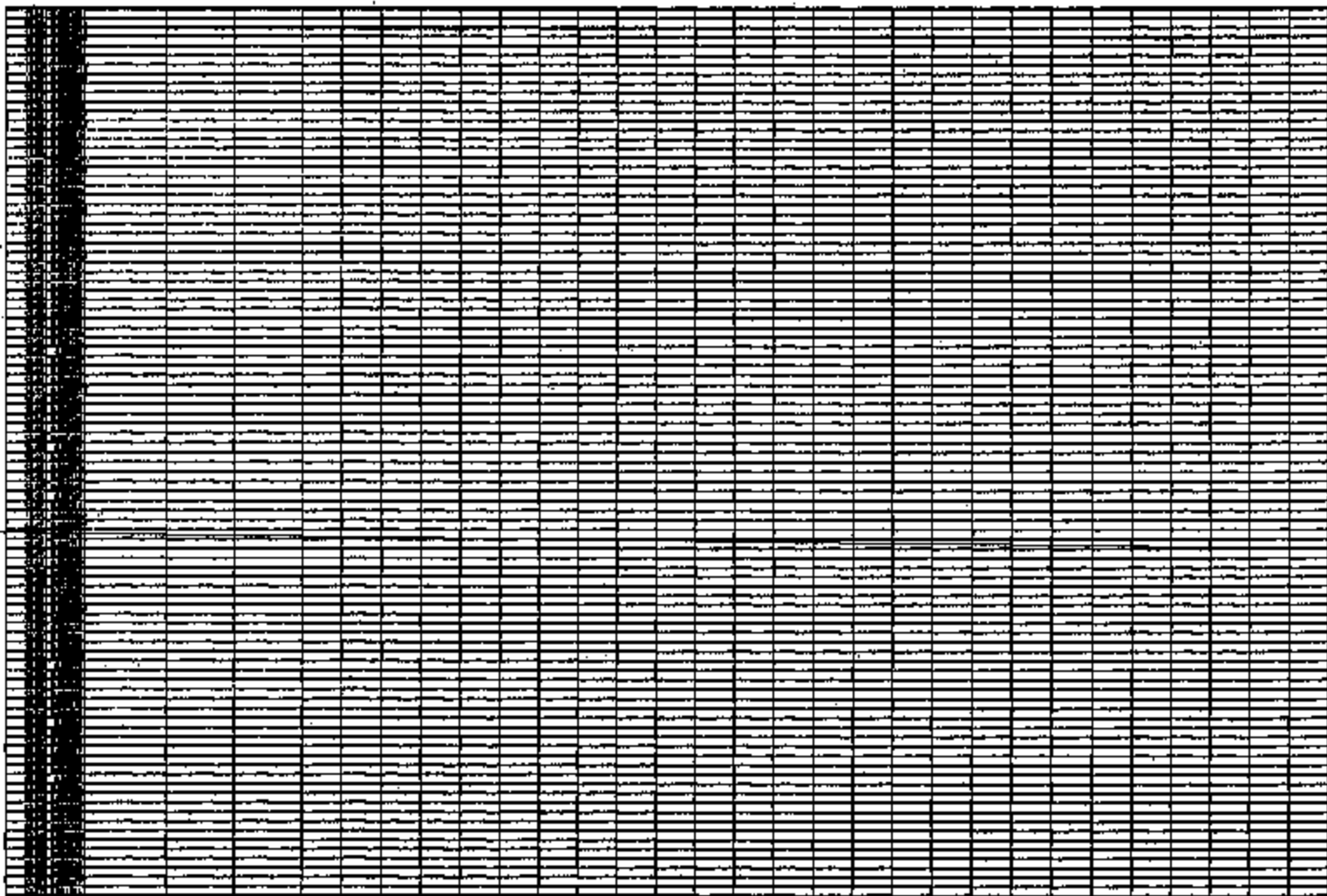
11137

The image shows a large, empty grid of cells, typical of a ledger or data table. The grid is composed of many small, uniform cells. On the left side, there is a vertical column of cells that is significantly wider than the other columns, serving as a header or label column. The rest of the grid is filled with empty cells, ready for data entry. The grid is bounded by a thick black border.

FORM 944 11138

A large grid of graph paper, consisting of approximately 25 columns and 40 rows of small squares. A vertical margin is present on the left side, consisting of a narrow column of slightly larger squares. The grid is mostly empty, with a few faint, illegible markings scattered across it.

PERC-044 11229



PERC-844 11148

The image shows a large, empty grid table with approximately 20 columns and 40 rows. The grid is composed of thin black lines forming a series of small squares. On the far left side of the grid, there is a vertical band that is significantly darker and more textured than the rest of the grid, possibly representing a header or a specific data column that is obscured or filled with noise. The rest of the grid cells are empty.

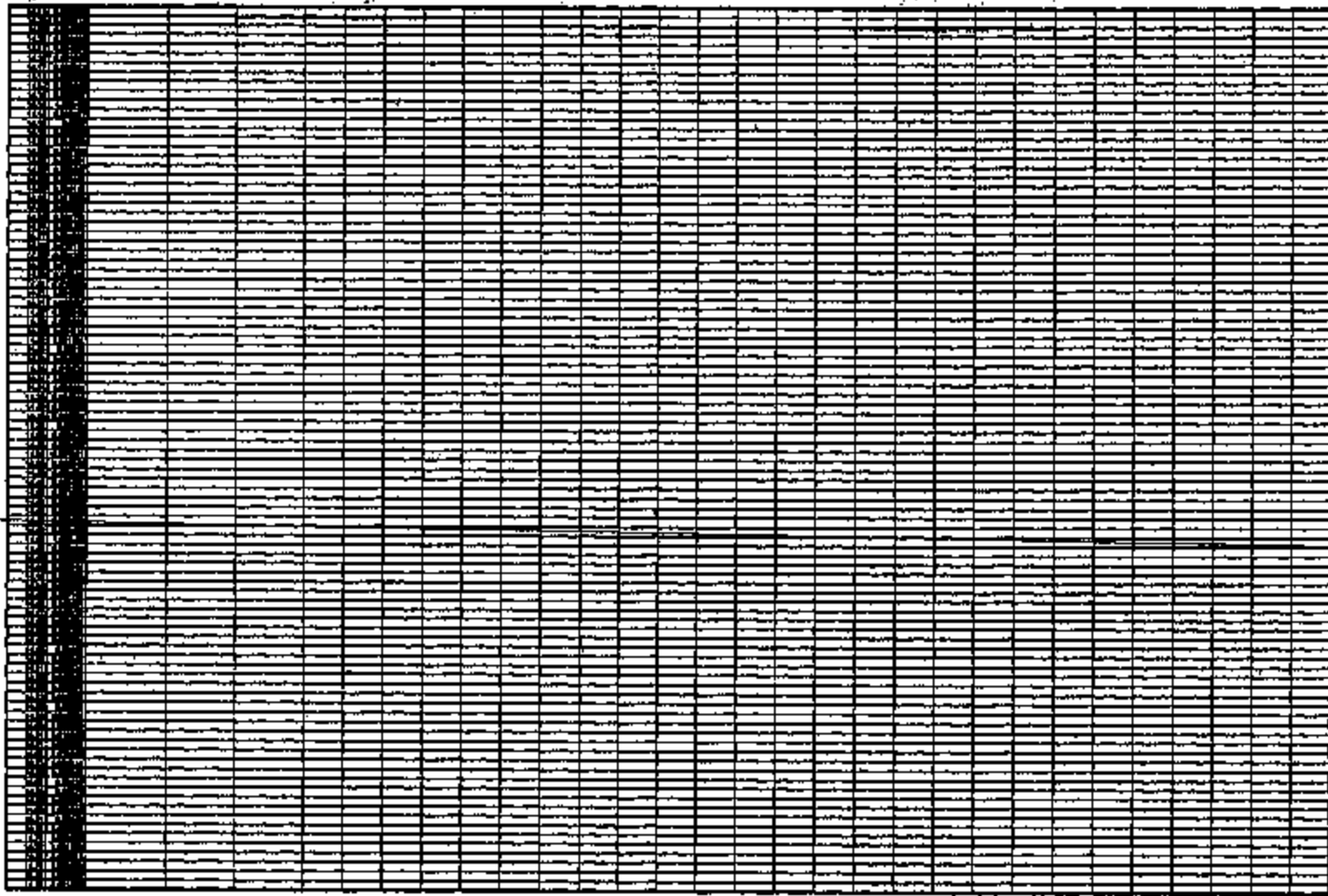
FORM-04 1141

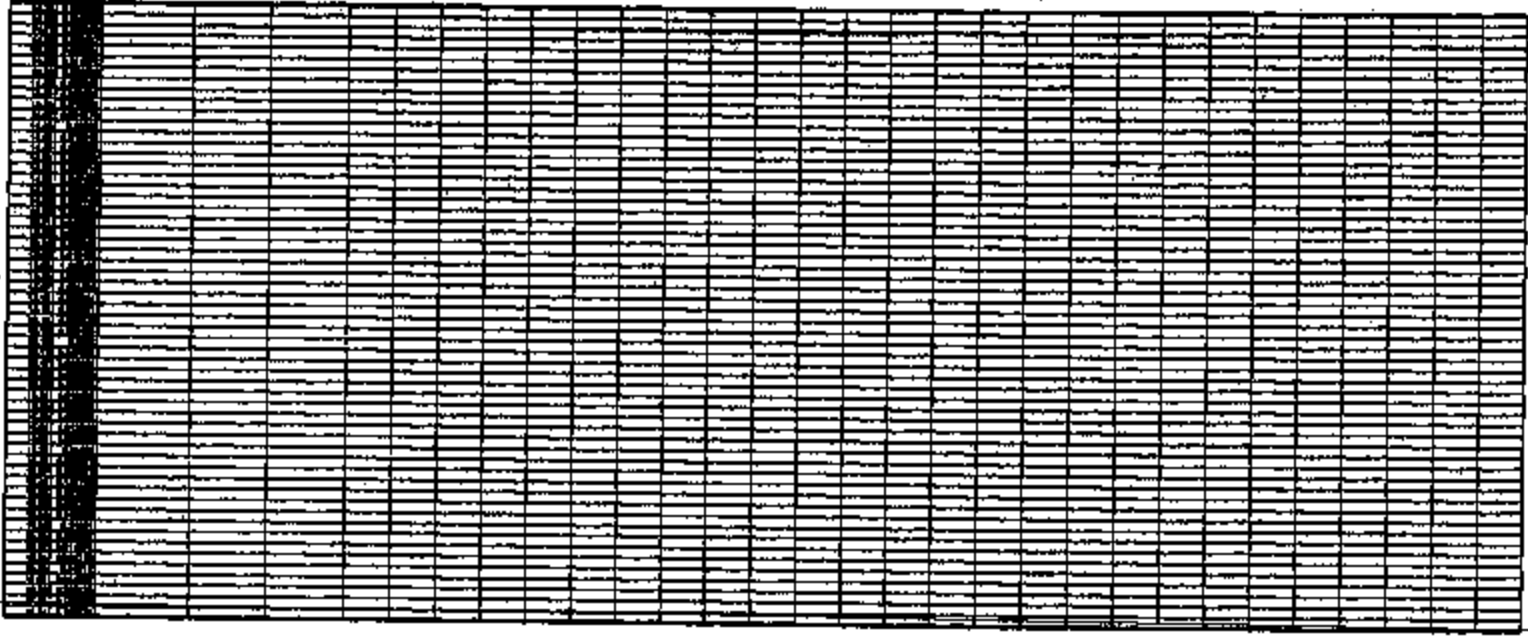


A large grid of graph paper, oriented vertically. The grid consists of approximately 20 columns and 100 rows of small squares. A vertical margin is present on the left side, containing several lines of text that are mostly illegible due to the high contrast and grain of the scan. The grid is used for technical drawing or data recording.

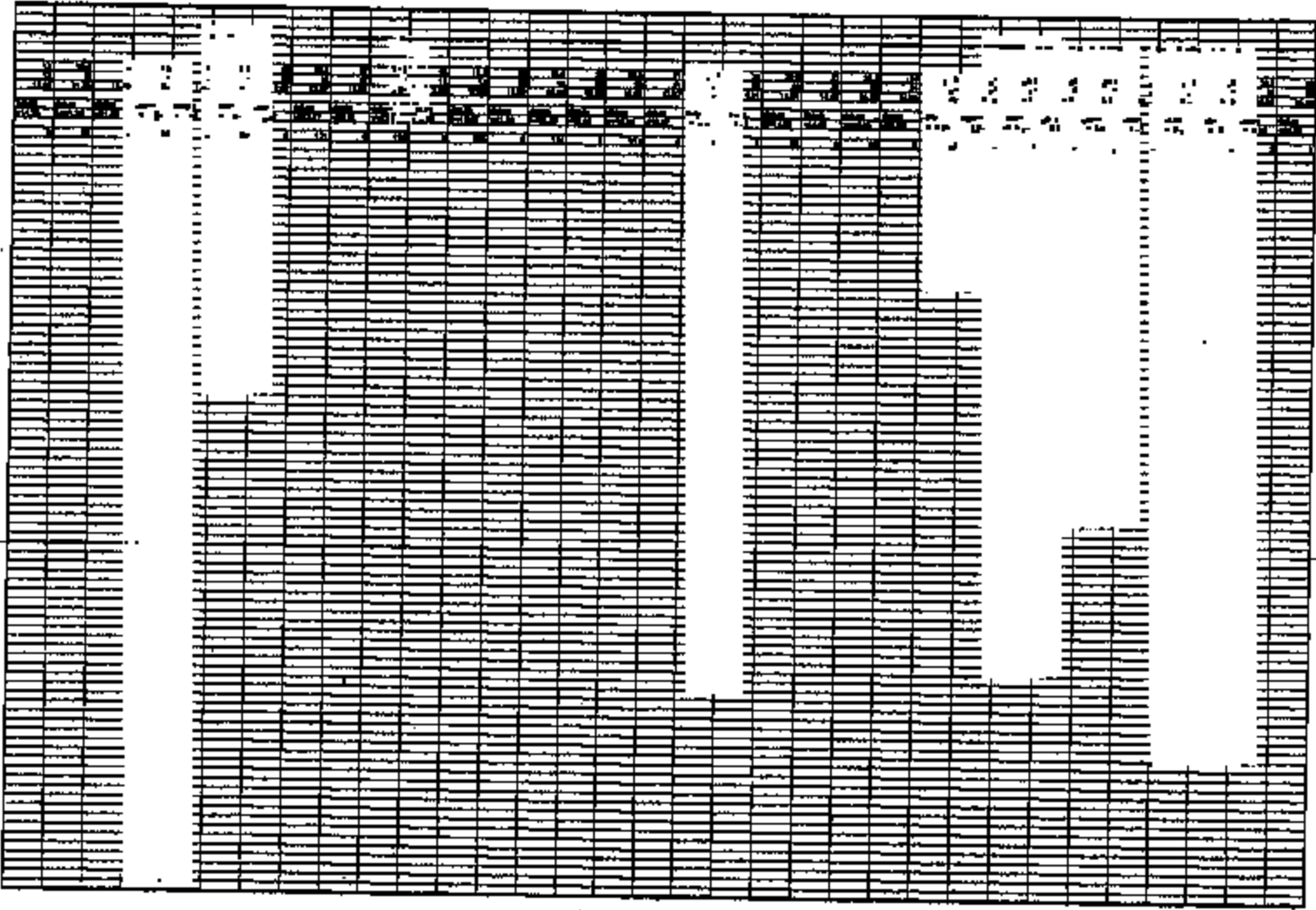
FEB-04 11:42

REC-04 1143





PERC-844 11244



PERC-044 11145

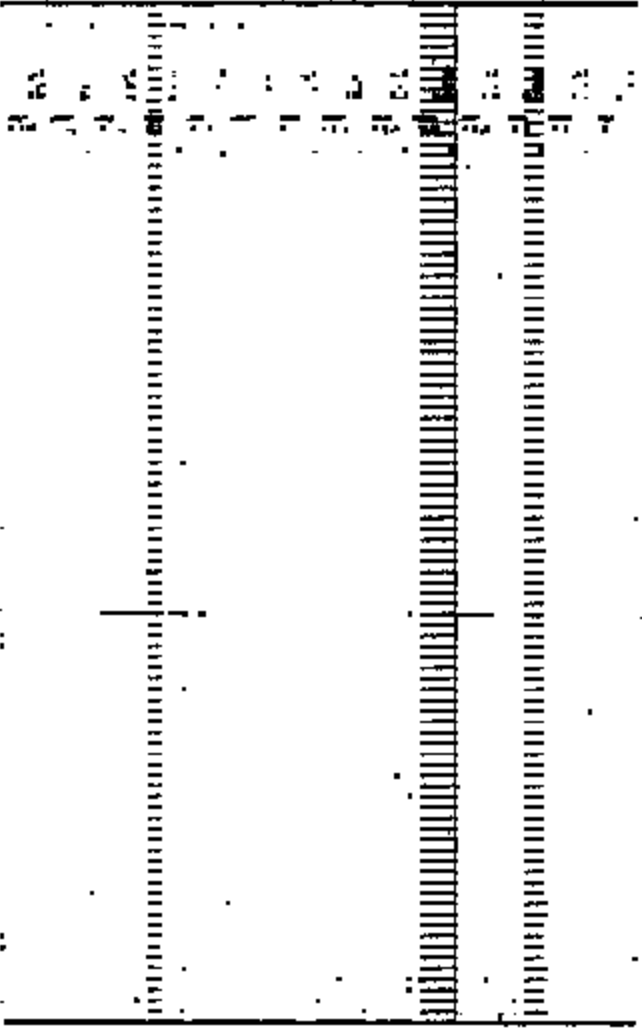


FIG. 10-11157

FORM 044 11189

PERC-044 11170

The image shows a large, empty grid table with approximately 20 columns and 100 rows. The grid is composed of thin black lines forming a dense pattern of small squares. There are a few faint, illegible markings within the grid, but no data is present.

MEMO-04 11171



A large grid of graph paper with a vertical margin on the left side. The grid consists of approximately 25 columns and 40 rows of small squares. The left margin is a vertical strip of slightly larger squares, about 2 columns wide. The grid is mostly empty, with some faint, illegible markings scattered across it.

FD-304 11172

PERC-844 11173

A large grid of graph paper, oriented vertically. The grid consists of many small squares. On the left side of the grid, there is a vertical strip that is significantly darker and more densely lined than the rest of the page, likely representing a margin or a specific column for data entry. The grid covers most of the page area.

A large grid of graph paper, consisting of approximately 25 columns and 40 rows of small squares. A vertical margin of slightly larger squares runs down the left side of the grid. The grid is mostly empty, with a few faint, illegible markings.

PERC-044 1117A

A large grid of graph paper, oriented vertically. The grid consists of many small squares. On the left side, there is a vertical strip that is wider than the other columns, serving as a margin. The grid is mostly empty, with some faint, illegible markings.

PERC-044 11175

The image shows a large rectangular grid, likely a table or data matrix, with a thick vertical bar on the left side. The grid is composed of many small cells, and the thick bar suggests that the data in that column has been redacted or obscured. The grid is centered on the page and occupies most of the width and height.

FORM 944 1178

A large grid of graph paper, consisting of approximately 25 columns and 40 rows of small squares. A vertical margin of slightly larger squares runs down the left side of the grid. The grid is mostly empty, with a few faint, illegible markings scattered across it.

FORM 944 11177

A large grid of graph paper, oriented vertically. The grid consists of approximately 25 columns and 100 rows of small squares. A vertical margin is present on the left side, consisting of a narrow column of larger squares. The grid is mostly empty, with a few faint marks or artifacts.

PERG-04 11179

The image shows a large, empty grid table with approximately 25 columns and 40 rows. The grid is composed of thin black lines forming a series of small squares. A prominent dark vertical band runs along the left edge of the grid, possibly representing a margin or a scanning artifact. The rest of the grid is mostly blank, with some very faint, illegible markings.

PERC-044 11179





FD-302 (Rev. 11-19-81)