JAN 5 1960
XW-52 3.2
Project No. T-16580
Case No. 13.863.00

TO: DISTRIBUTION

Re: Pressure Test of XW-52 Pressure Covers

One XW-52 pressure cover (dwg. 151244) was hydrostatically pressurized to 45 psi with no indication of yielding or failure. Deflections were measured at the location as shown in figure 1. For deflection data see Table I.

One XW-52 front case section (dwg. 151182) and cover (dwg. 151052) were hydrostatically pressurized to 45 psi with no indication of yielding or failure. Deflections were measured at the locations as shown in figure 2.

H. A. Warrick
H. A. WARRICK - 1612-1

R. G. Hamilton
R. G. HAMILTON - 1613-3
1613 Project Engineer

R. S. HOOPER - 1613-3

HAW:1612-1:mh

Encs: Figs. 1 & 2, Tables I & II

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Attn: W. R. Green
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SANDIA SYSTEMATIC DECLASSIFICATION REVIEW
1st Review Date 9-15-98
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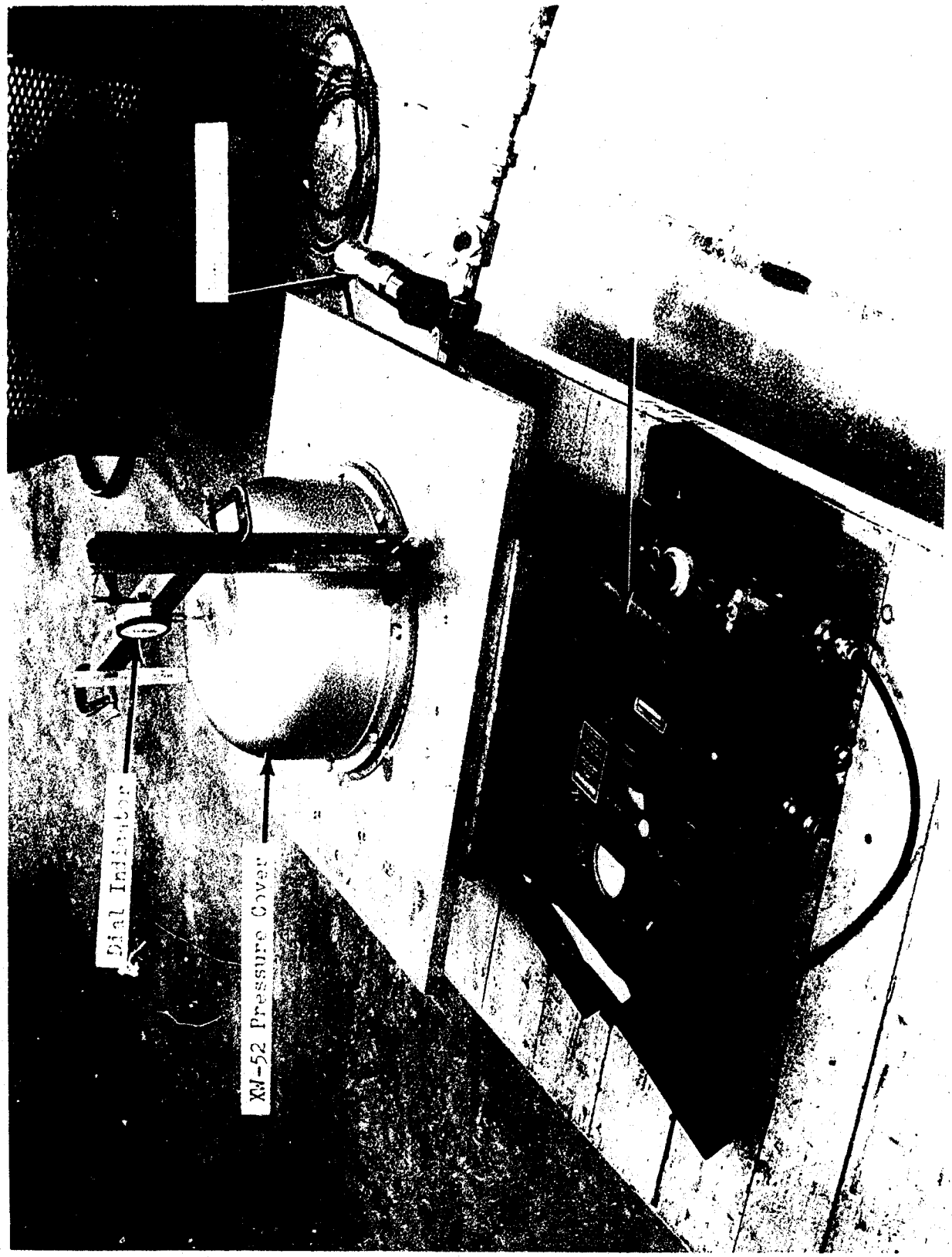
FILE
DW
FILE No. XW-52
3-2

[redacted]

#1591



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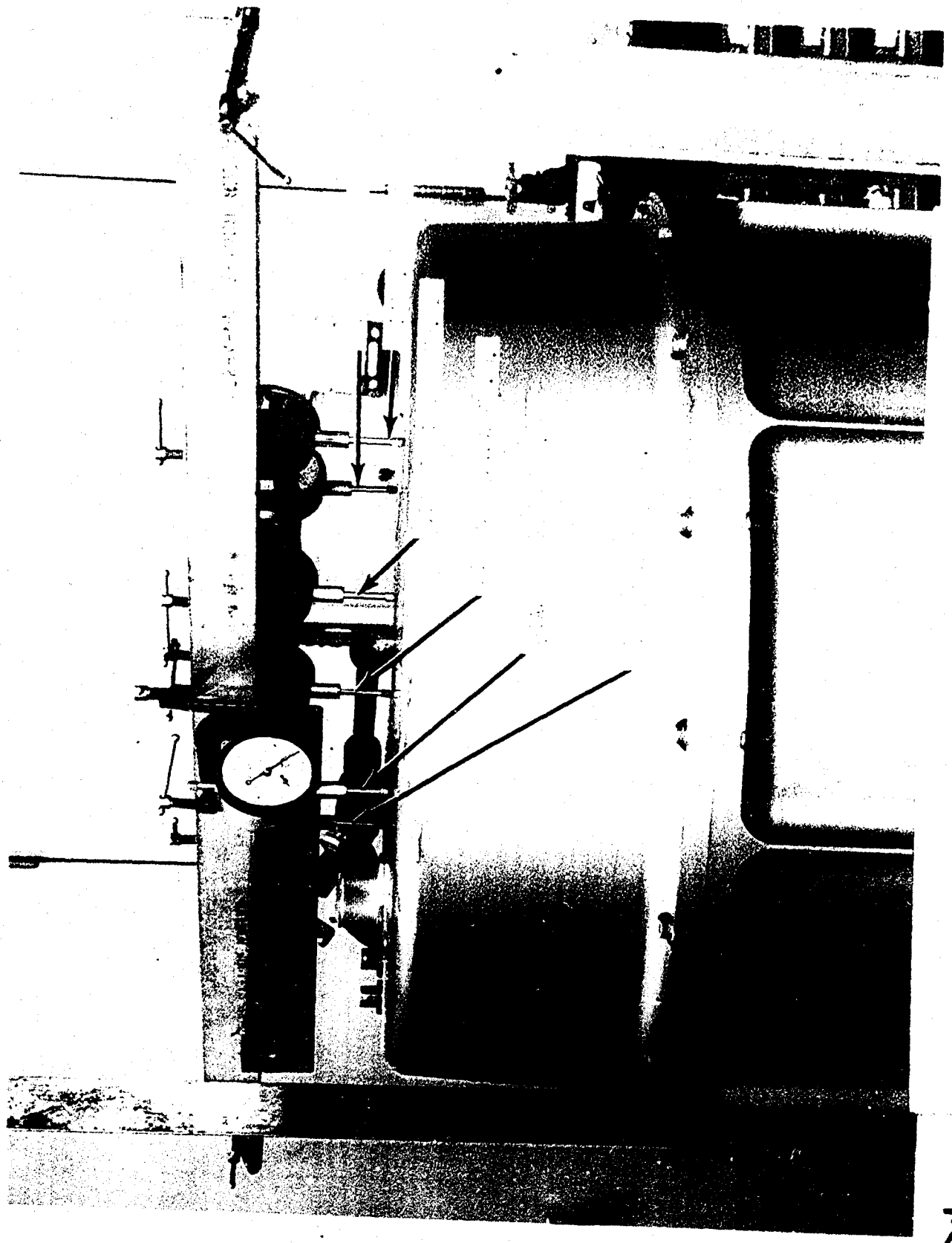

Data-152767

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Project No. T-16580

TABLE I

Load-Deflection Data for Pressure
Test of Pressure Cover, S/N 151244

Load (psi)	Deflection (inches) Dial No. 1
0	0
10	.005
20	.013
25	.017
30	.020
35	.023
40	.026
45	.029
0	0

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TABLE II

Load-Deflection Data for Pressure Test of Front Case and Pressure Cover, (S/N 151182 and 151082)

Deflections (inches)

Load (psi)	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
0	0	0	0	0	0	0
10	.004	.008	.015	.008	.007	.015
20	.009	.016	.030	.016	.015	.028
25	.011	.021	.037	.020	.019	.036
30	.014	.025	.044	.025	.023	.044
35	.016	.030	.050	.030	.027	.053
40	.019	.034	.056	.034	.031	.059
45	.022	.039	.062	.038	.035	.066
0	0	0	0	0	0	0