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ANTENNA DEPLOYMENT OF
DIAGNOSTIC EFFECTS SIMULATOR (DES)
(U)

Organization 7300 Environmental Test Report

T. L. Evans, Org. 7342

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Central Technical File, 3428-1

CENTRAL TECHNICAL FILE
ACCOUNTABILITY CARD
FILE NO. P.20

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WC Layne 10/30/98
PERSON VERIFYING MARKING & DATE DATED: 10/28/98

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ANTENNA DEPLOYMENT OF DIAGNOSTIC EFFECTS SIMULATOR (DES) (U)

Introduction

The objects of these tests were to evaluate the method of antenna deployment, to determine the ability of the DES system to function during deployment, and to measure the accelerations developed when the antenna was deployed. The tests were conducted at the 185-foot drop tower in Area III.

B. G. Prentice, 1523, requested these tests in an Environmental Test Request, dated April 19, 1966. J. M. Carmichael, 7331, was the Test Coordinator. The tests were completed on May 7, 1966.

Summary

The Diagnostic Effects Simulator (DES), Serial Nos. 3 and 5, were suspended from the 185-foot tower carriage so that the holding pin could be pulled and the antenna can deployed. A total of eight tests were performed, six using DES #3 and two using DES #5. The units were functionally tested by Division 1523 during the last four tests.

Instrumentation consisted of twelve piezoelectric accelerometers on each Diagnostic Effects Simulator. The maximum acceleration recorded was 27.5g on the center of the MA5 component mounting plate in the longitudinal direction during the first test.

The method of antenna deployment was found to be satisfactory for each of the tests. Each functional test of the DES systems was performed satisfactorily. There was no damage to either DES as a result of this test series.

Procedure and Results

Initially the two Diagnostic Effect Simulators (DES), Serial Nos. 3 and 5, were instrumented with twelve piezoelectric accelerometers. The accelerometers were installed at the locations shown in Figures 1 through 4. This installation of accelerometers was performed in Building 6630 in Area III. The units were transported between Building 6630, where the units were reworked after each test, and the 185-foot tower by the method shown in Figure 5.

The two DES systems were subjected to a series of antenna deployments attached to the 185-foot tower as shown in Figure 6. Figure 6 also shows the 20-pound weight used to pull the antenna release pin of the DES which allows the antenna to deploy. The weight was dropped from the position shown in Figure 6 when an explosive cable cutter was detonated, this started each test.

DES No. 3 was subjected to the first six tests and DES No. 5 was subjected to the last two tests (total of eight tests). Figures 7 and 8 show the unit after the first test. The load mitigator from the test was restraightened and modified by cutting notches every four inches (to decrease rigidity) and used for test No. 2. Figure 9 shows the results of the second test. A new mitigator which had been notched the same as for test No. 2 was installed for test No. 3. Figures 10 and 11 show the results of test No. 3. Following test No. 3, the mitigator was straightened and every other section removed, as shown in Figures 12 and 13 for test No. 4. The MA5 component plate stiffening rod, which attach between the MA5 plate and the Teller Light mounting cone, were removed for test No. 4. Figures 12 and 13 and 14 show the results of test No. 4. For tests No. 5, a new thin mitigator was used. Figure 15 shows the test results. The mitigator was straightened and used for test No. 6. Figures 16 and 17 show the results of test No. 6. A new mitigator (same as for test No. 5) was installed for test No. 7. Figure 18 shows the parachute lines used to suspend the unit for test Nos. 7 and 8. Figures 19 through 21 show the results of test No. 7. The mitigator was straightened and used for test No. 8. Figure 22 shows the test results for test No. 8.

The DES system was functionally tested during tests 5-8 by Division 1523 personnel. There was no indication of any malfunctions during these tests.

All rigging methods and checkout procedures were performed in accordance with the procedures outlined in the Tower Operating Handbook which is on file at the Tower Control Building (6505).

The acceleration data were recorded on a CEC Type VR2600 tape recorder having a frequency response of DC to 40 KHz and were played back at the Area III playback center. The acceleration records were filtered using 5KHz low-pass filters during playback. A comprehensive description of the recording and playback equipment is available from file at the Tower Control Building (6505) under the T-number of this report.

Organization 7226 provided high-speed photographic instrumentation for the tests and prints of the films have been forwarded to the requesting organization. The original films have been filed by the Industrial Photographics Division, 3465, under the T-number of this report and W81319.

The acceleration records and tabulated data are presented in Tables I through VIII for tests 1 through 8, respectively. Sensing directions and basic acceleration specifications are also listed in Tables I through VIII. All accelerometer data were interpreted in accordance with the procedures outlined in SC4452C(M), dated July, 1964.

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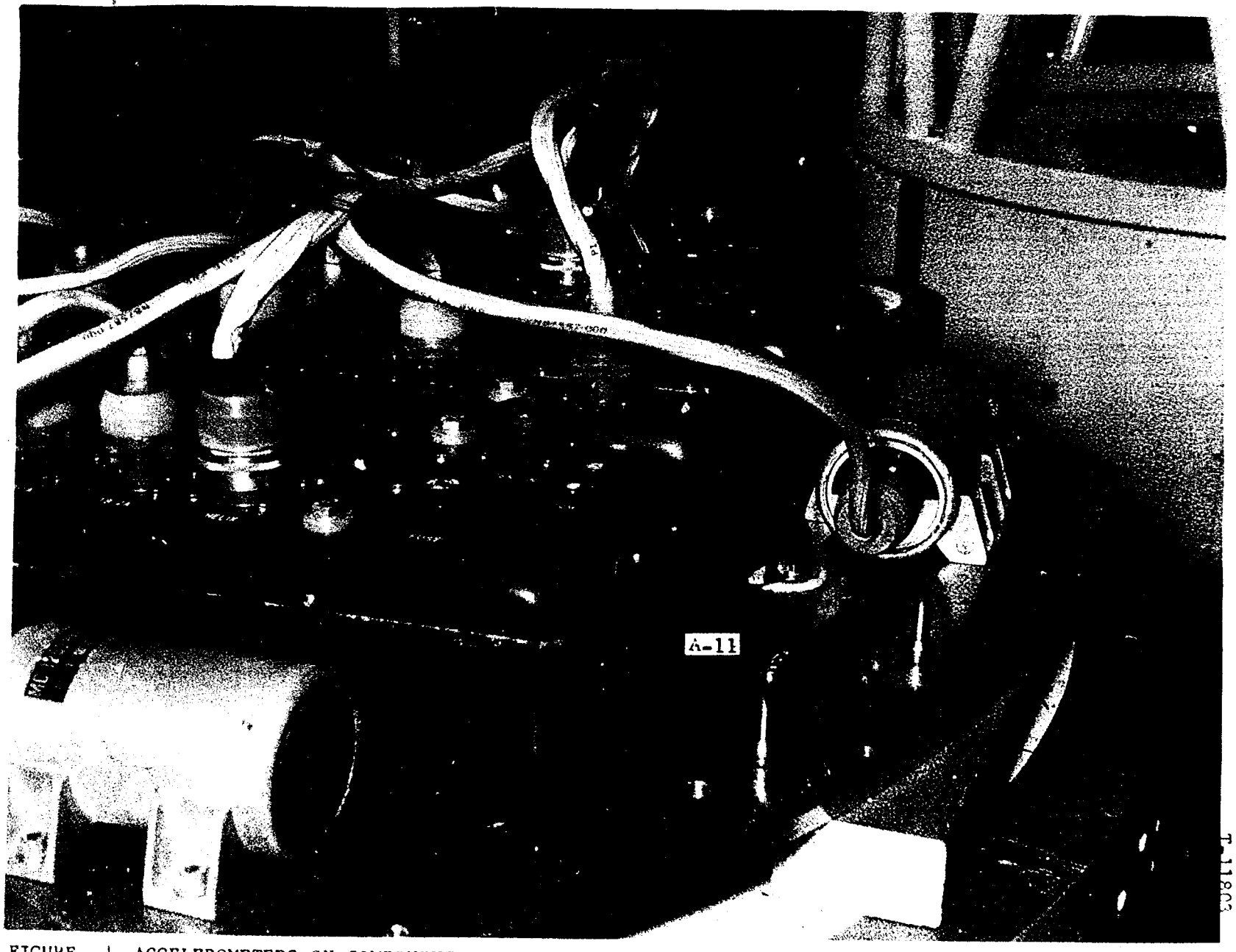

FIGURE 1 ACCELEROMETERS ON COMPONENT PLATE.

#66-7154A

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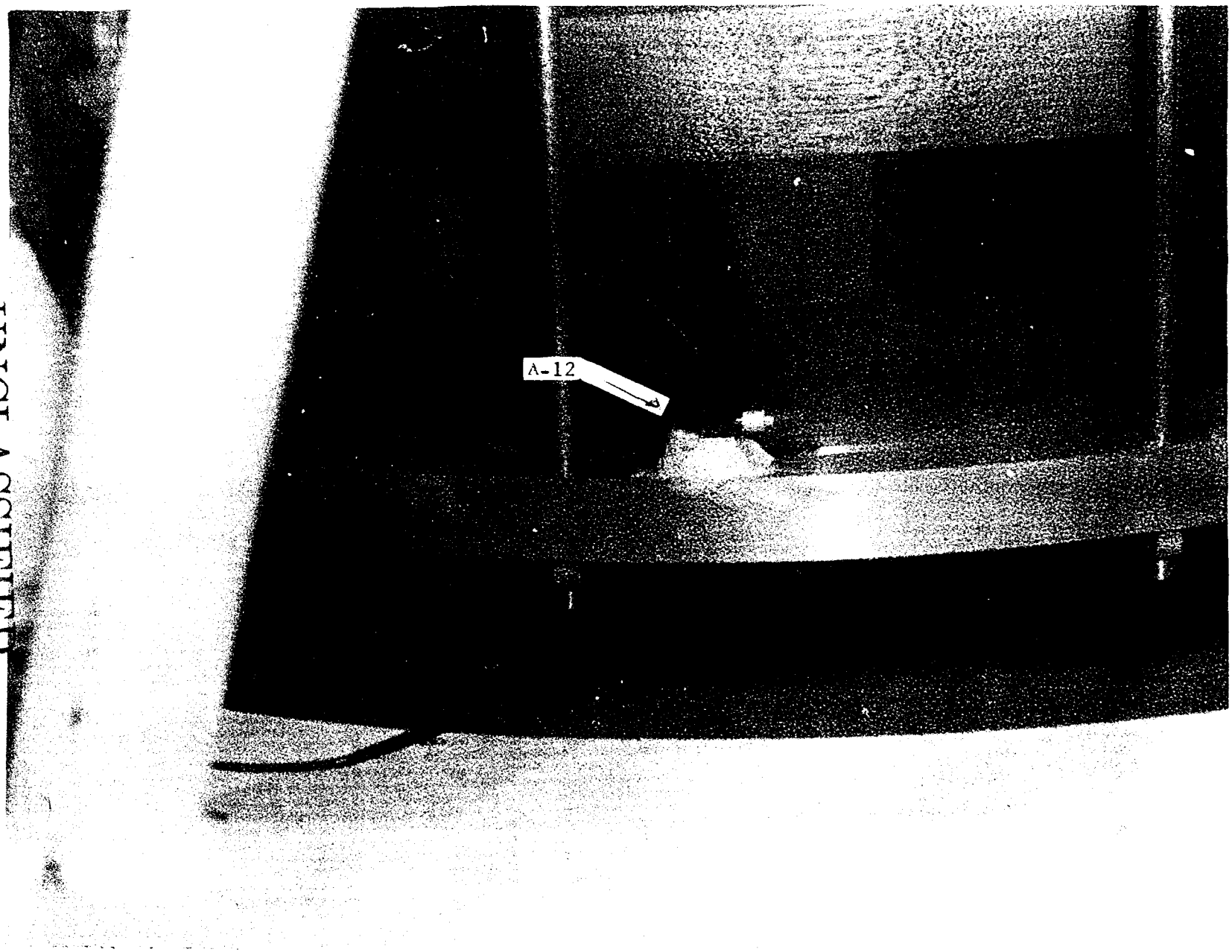

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#1443

FIGURE 2 ACCELEROMETER ON TELLER LIGHT.

D#66-7149-A

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[redacted]

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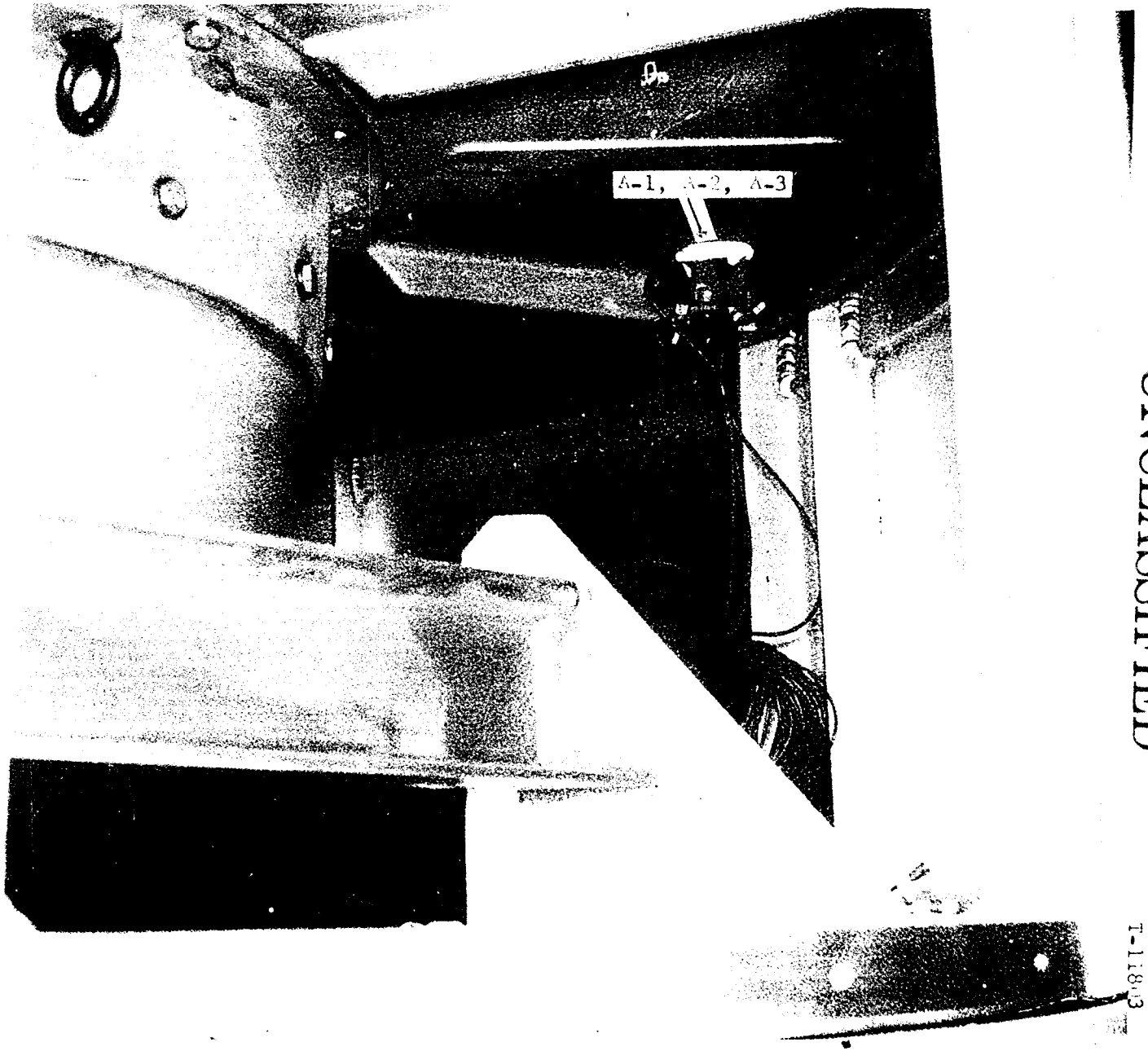

FIGURE 3 ACCELEROMETERS ON PULSER PLATE. D #66-7148-A.

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#74464

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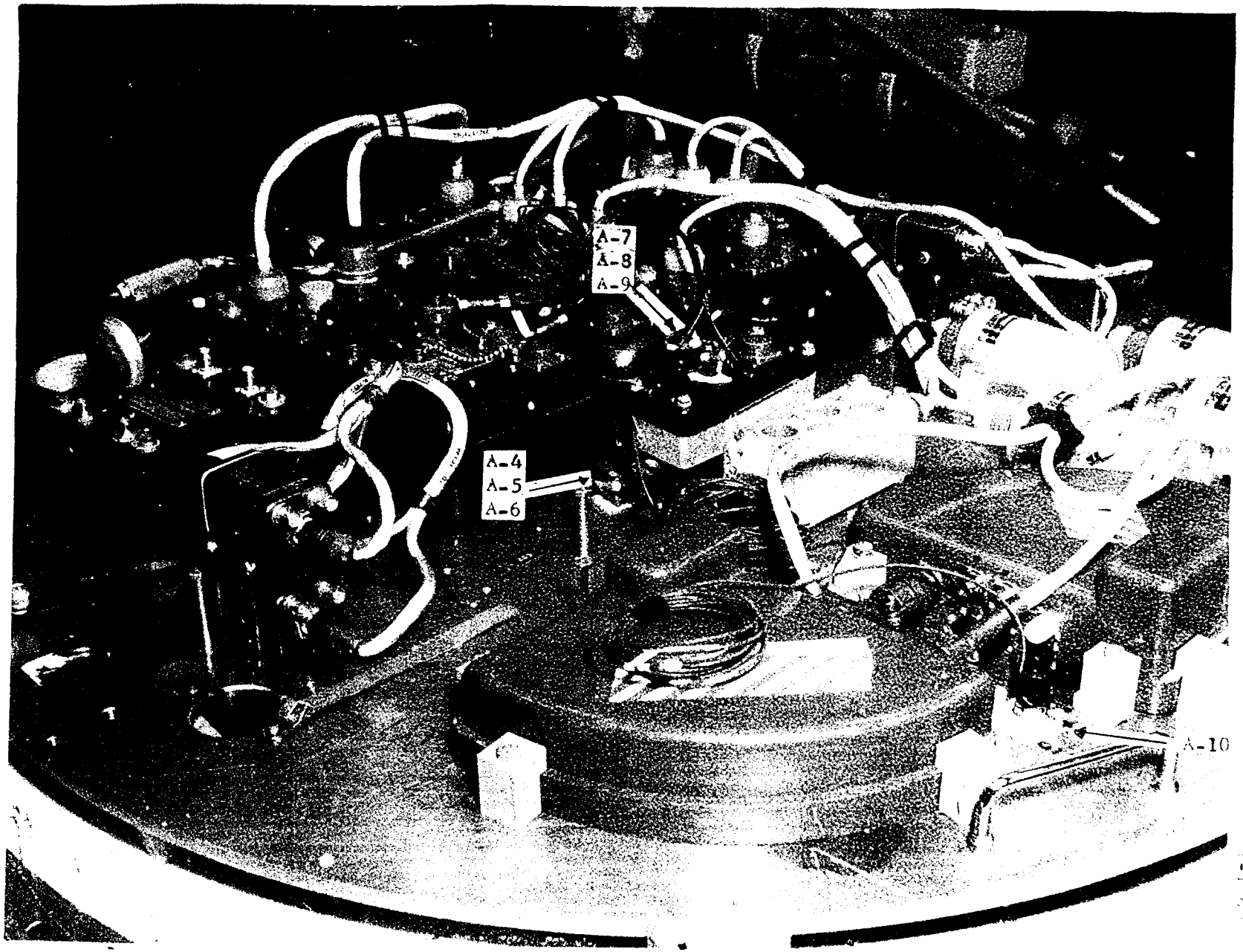

FIGURE 4 ACCELEROMETERS ON COMPONENT PLATE.

D# 66-7153-A.

#4445

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FIGURE 5 METHOD OF TRANSPORTING DES BETWEEN WORK AREAS.

D#66-7237

#14446

#14447

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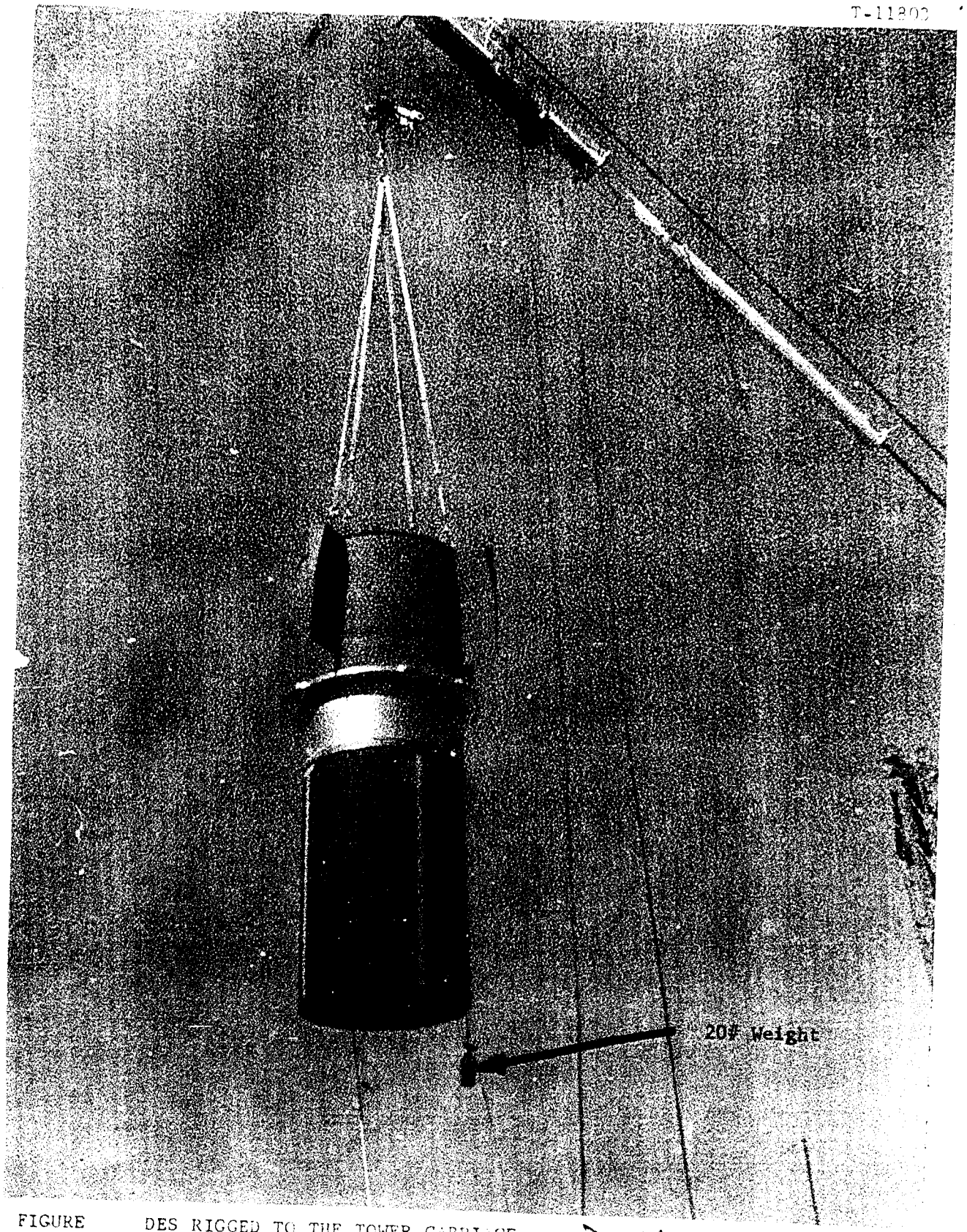

FIGURE DES RIGGED TO THE TOWER CARRIAGE.

D#66-7151-A.

#74448

[redacted]

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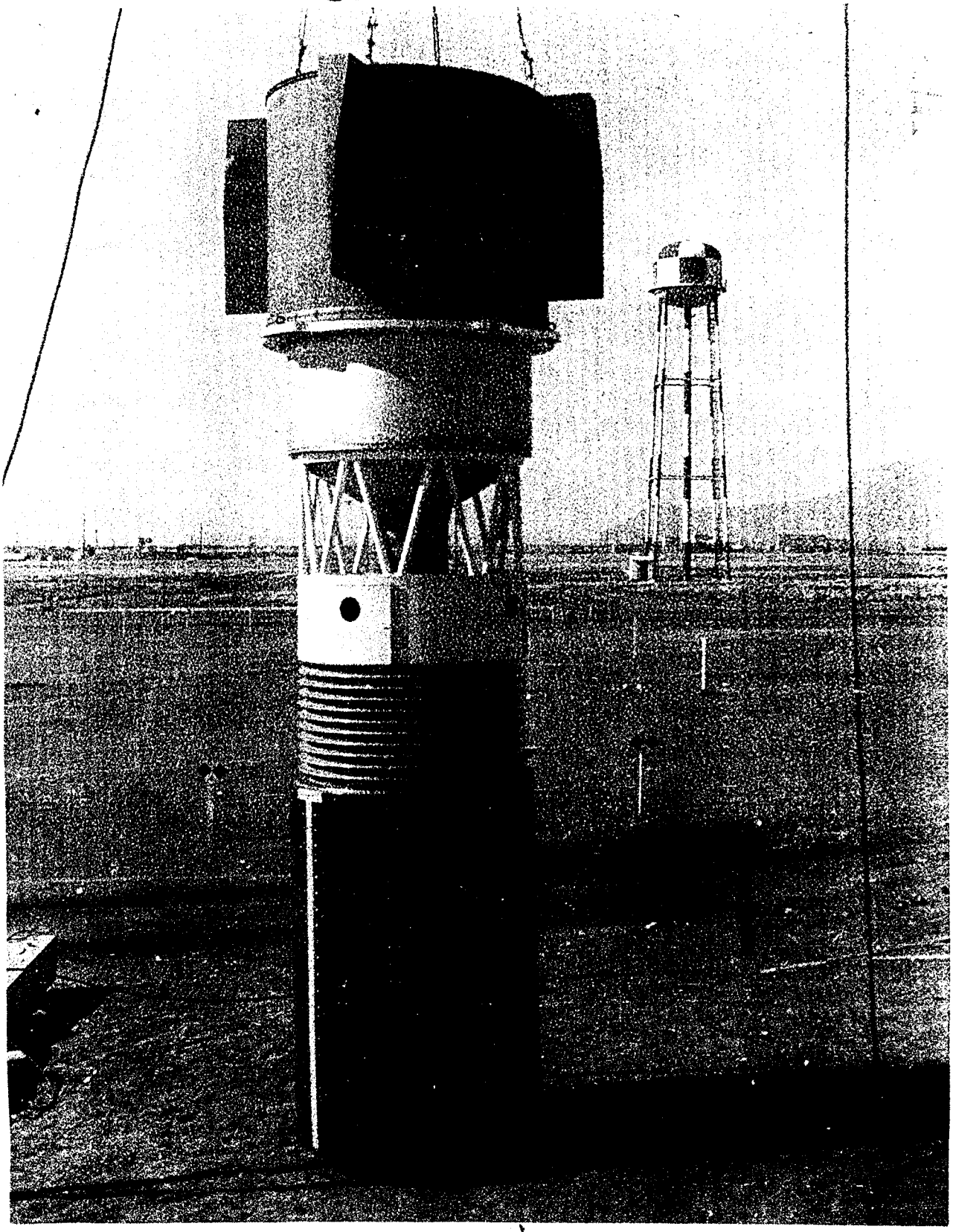

FIGURE 7 DES-3 AFTER TEST NO. 1.

#66-7152-A

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#1449

[redacted]

FIGURE 8 LEAD MITIGATOR AFTER TEST NO. 1.

S#66-7150-A

[redacted]

#2

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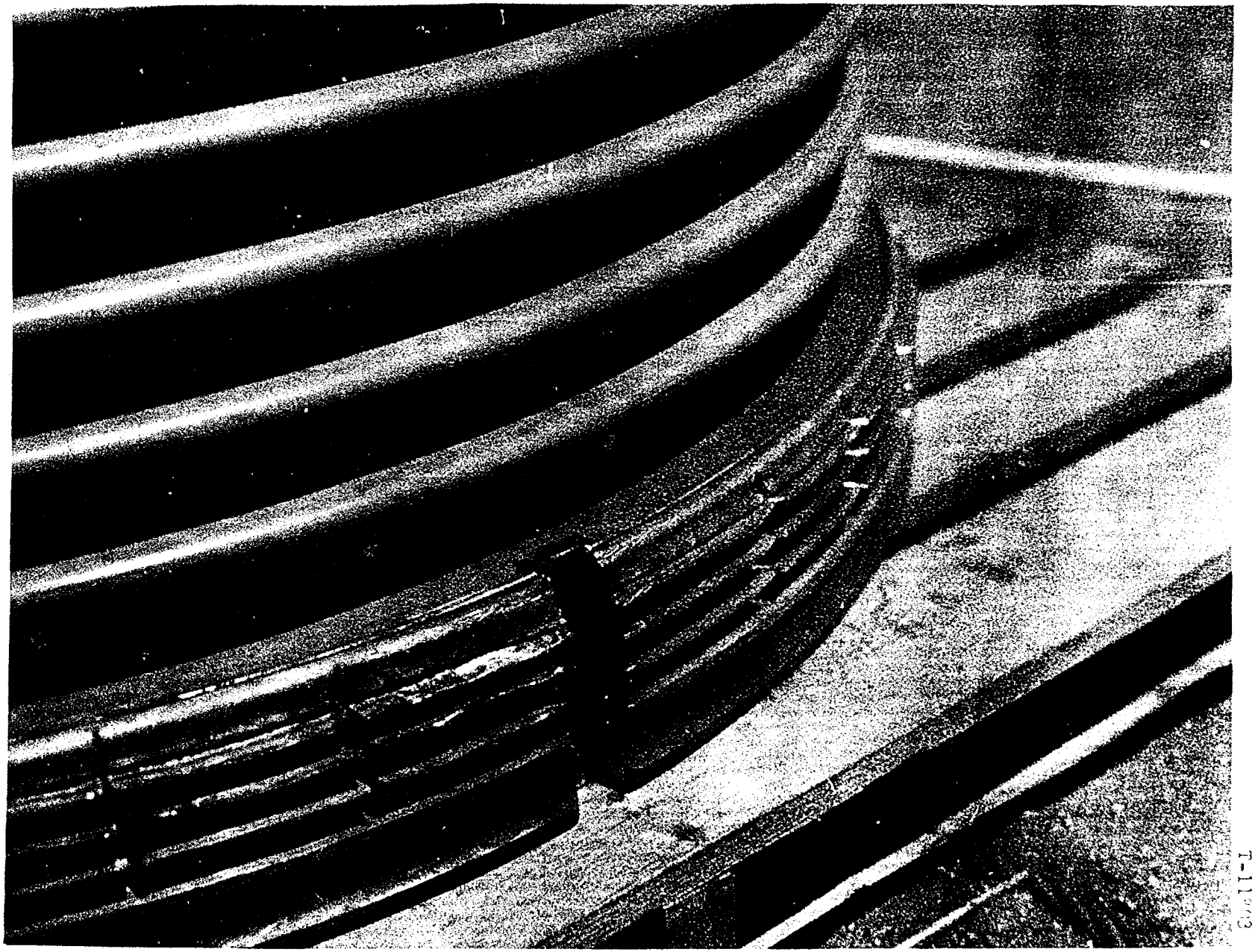

T-11903

FIGURE 9 LEAD MITIGATOR AFTER TEST NO. 2.

D# 66-72.06

#1450

[redacted]

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#?

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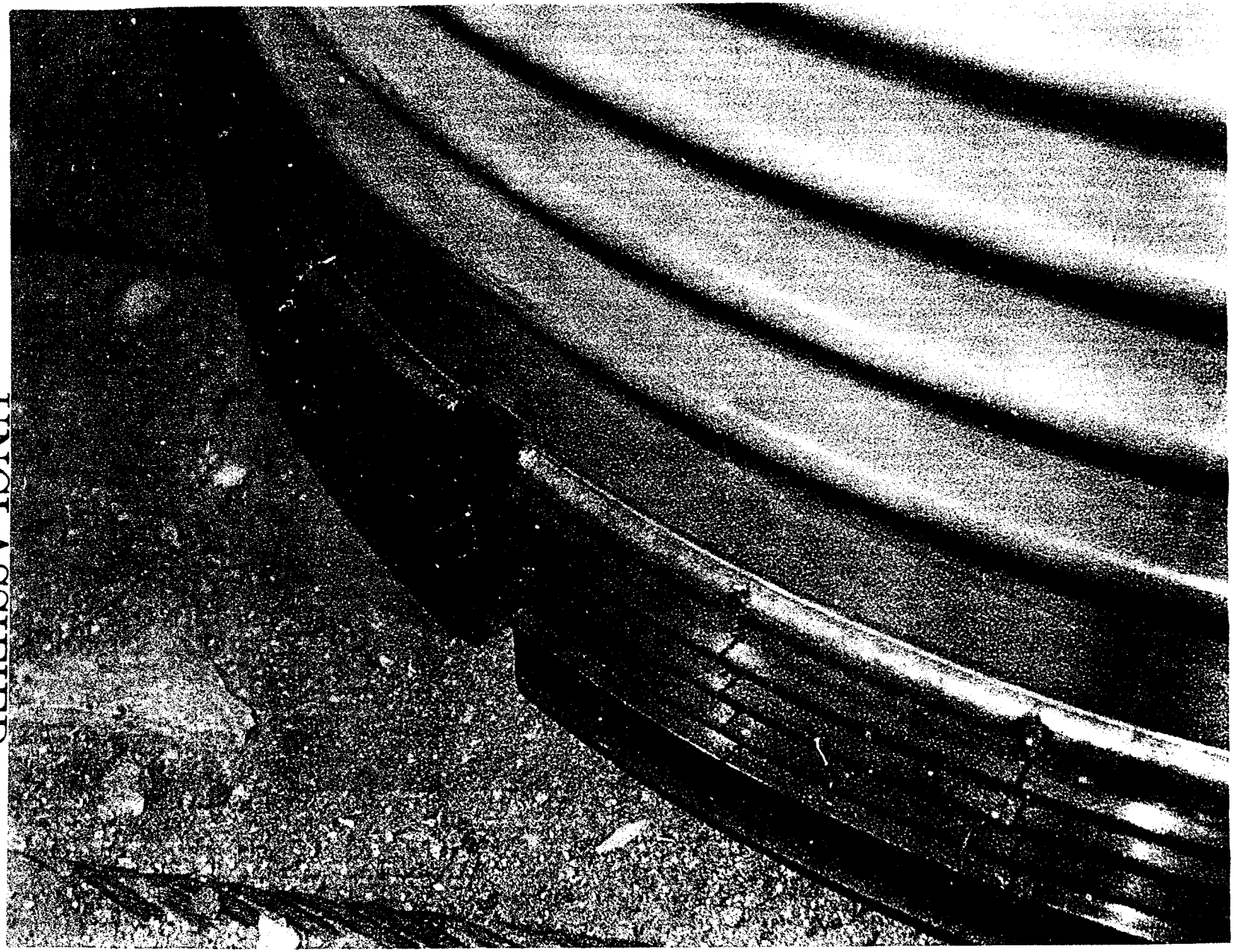

T-11800

FIGURE 10 LEAD MITIGATOR AFTER TEST NO. 3.

J#66-7207

#1451

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#14.52

[redacted]

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T-11[illegible]

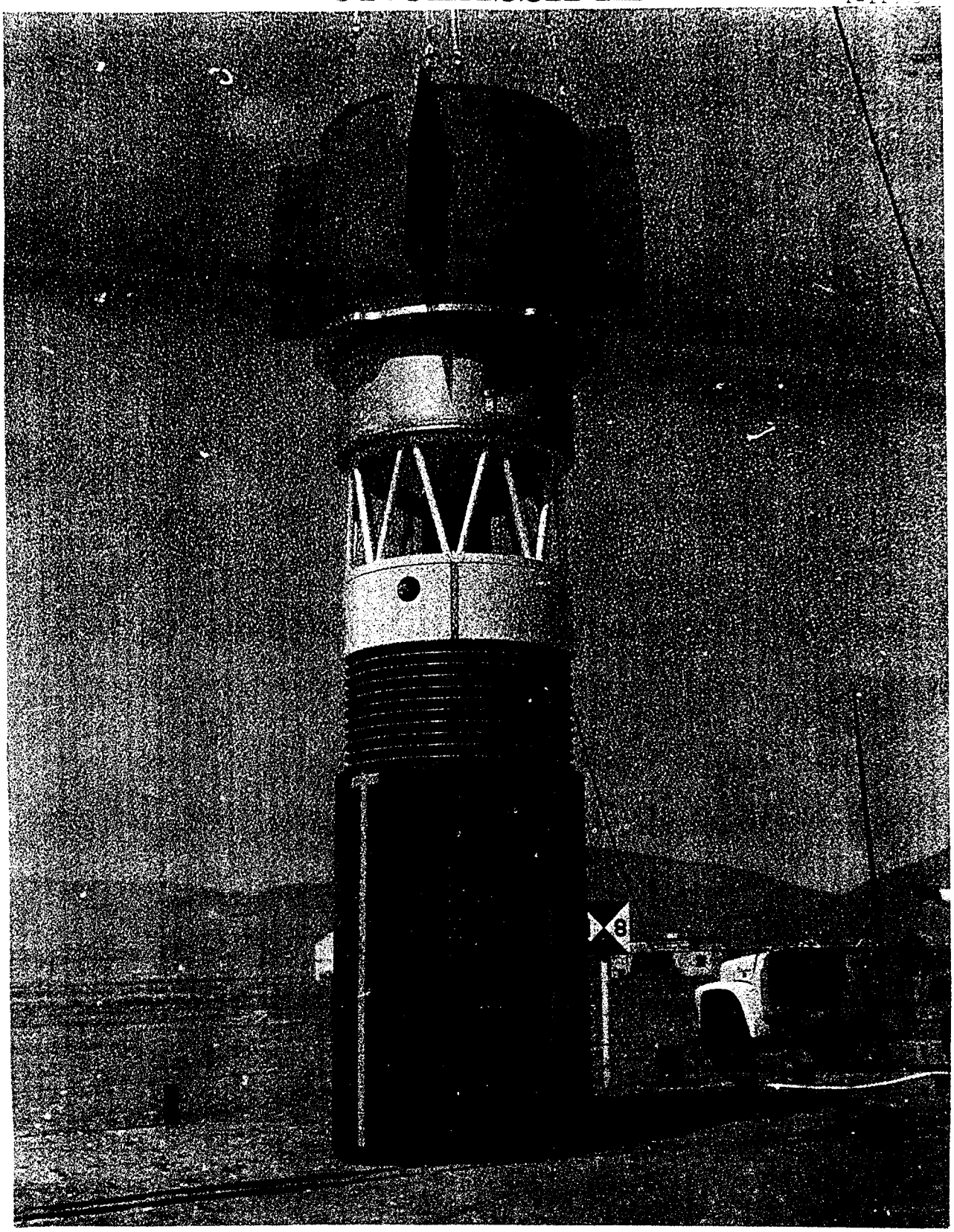

FIGURE 11 DES-3 AFTER TEST NO. 3. D#66-7208

[redacted]

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#4

[redacted]

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FIGURE 12 LEAD MITIGATOR AFTER TEST NO. 4.

D#66-7209

#4453

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FIGURE 13 LEAD MITIGATOR AFTER TEST NO. 4. D#66-7211

#14-65

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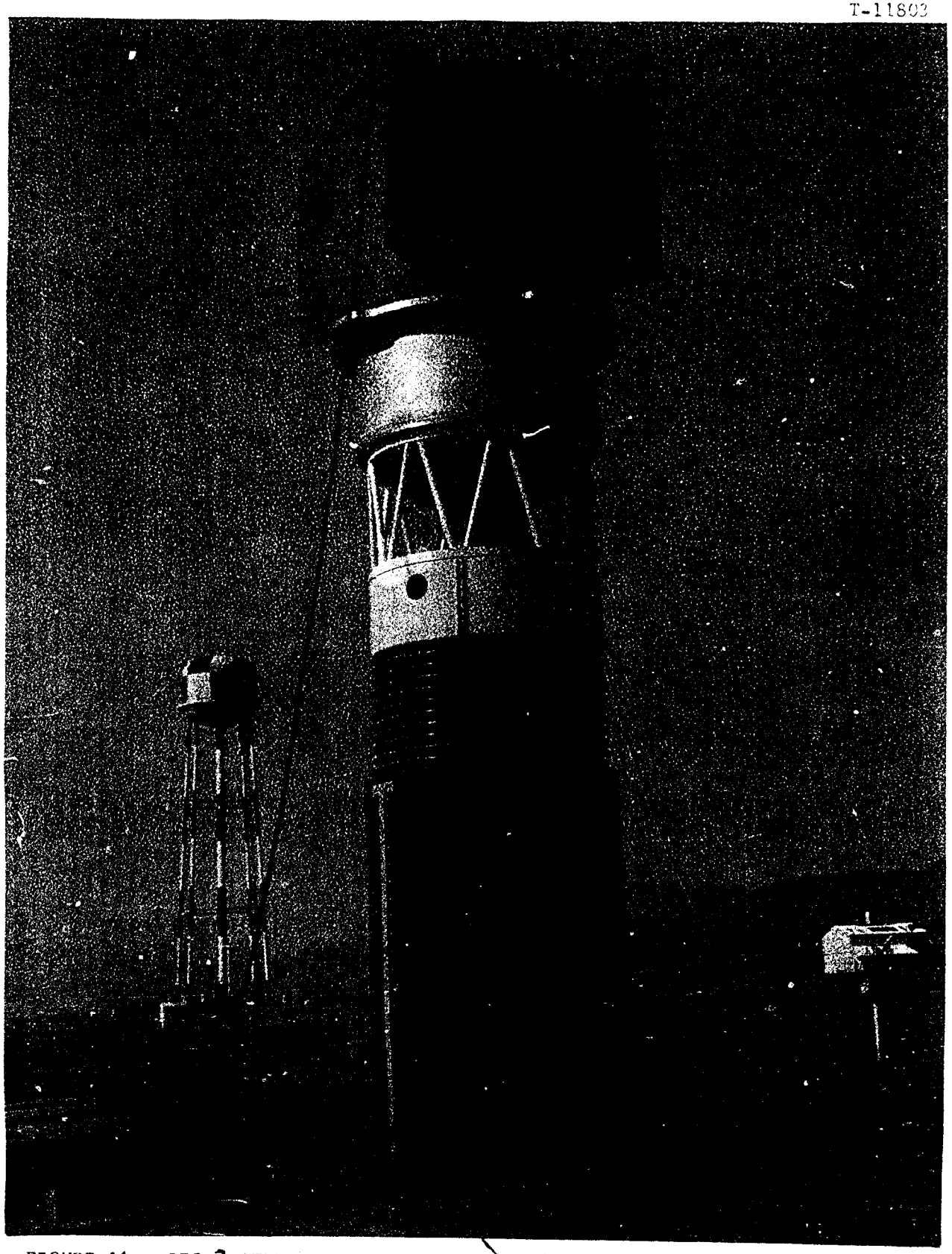

FIGURE 14 DES-3 AFTER TEST NO. 4.

D#66-7210

[redacted]

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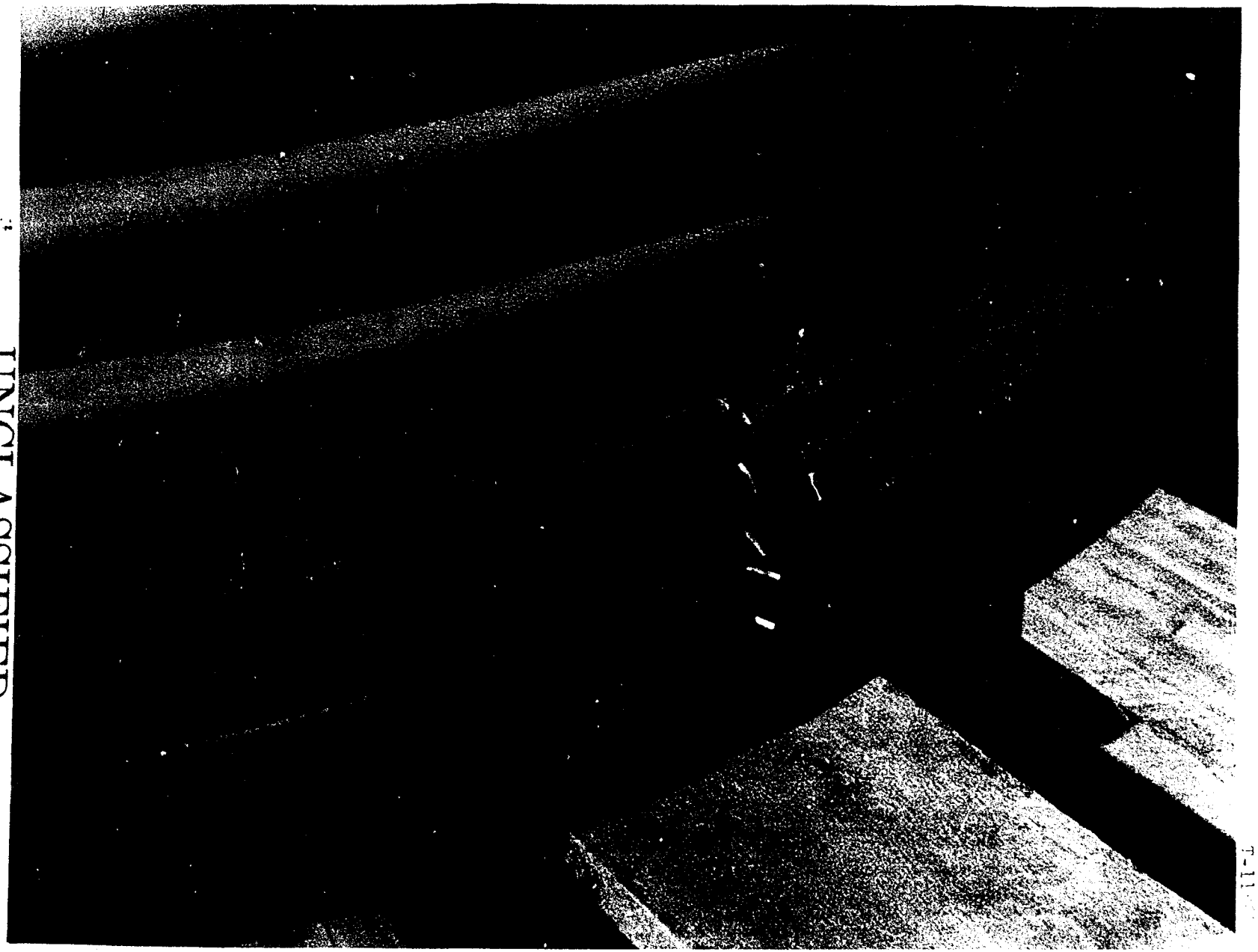

FIGURE 15 LEAD MITIGATOR AFTER TEST NO. 5.

D#66-7145

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#5

#7145

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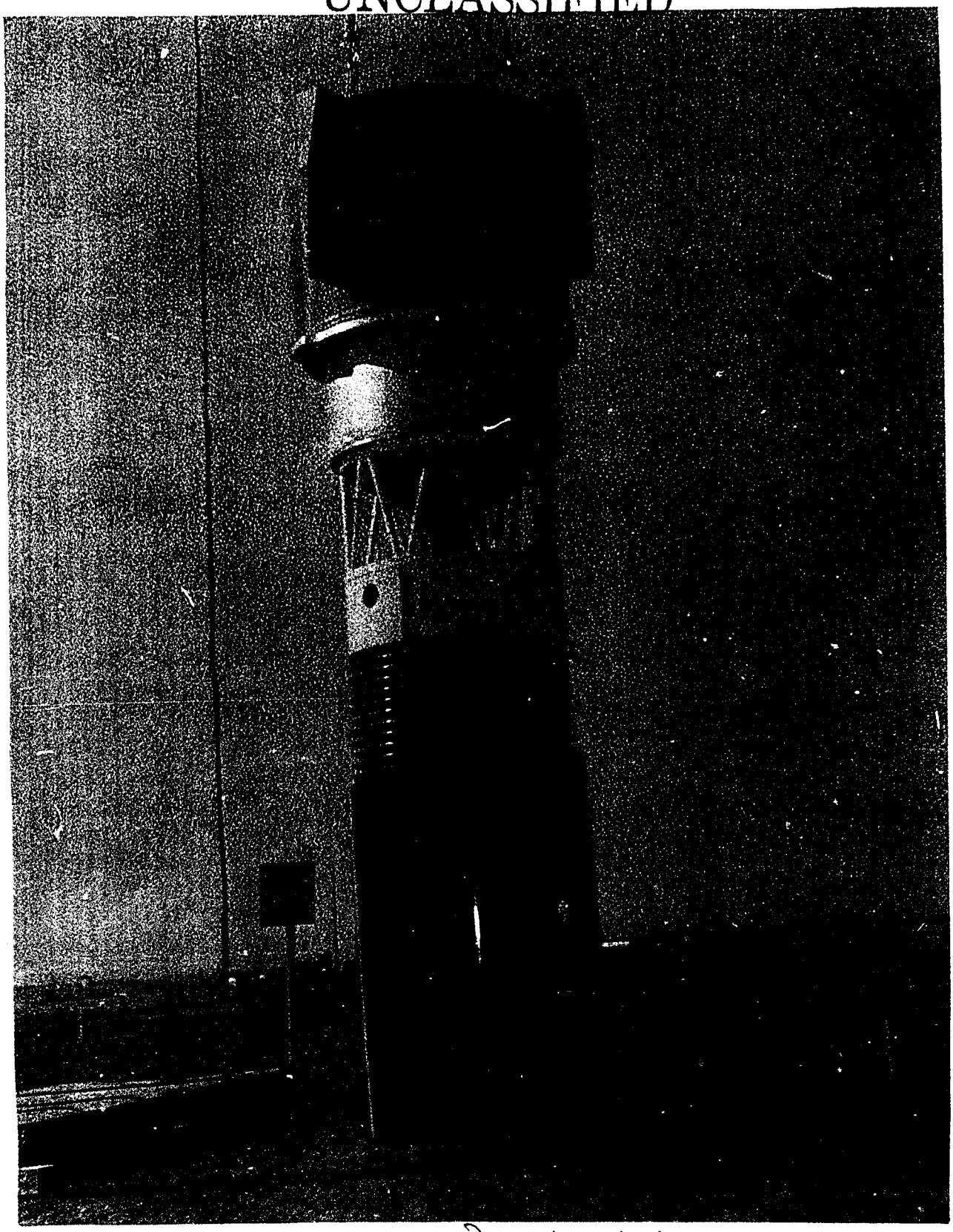

FIGURE 16 DES-3 AFTER TEST NO. 6. D#66-7147

[redacted]

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L-66-7146

#6

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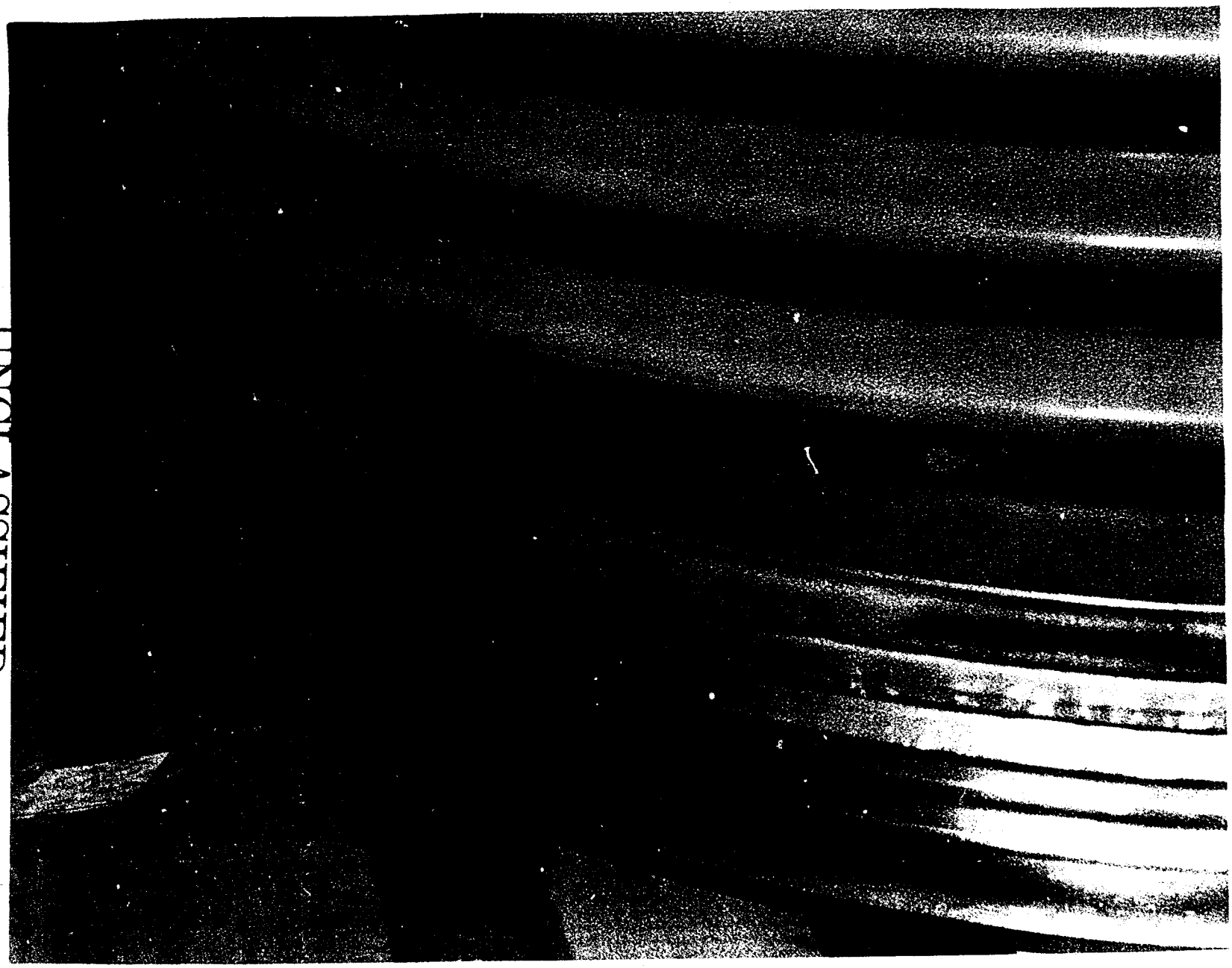

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FIGURE 17 LEAD MITIGATOR AFTER TEST NO. 6.

D#66-7146

#1458

#7

#1459

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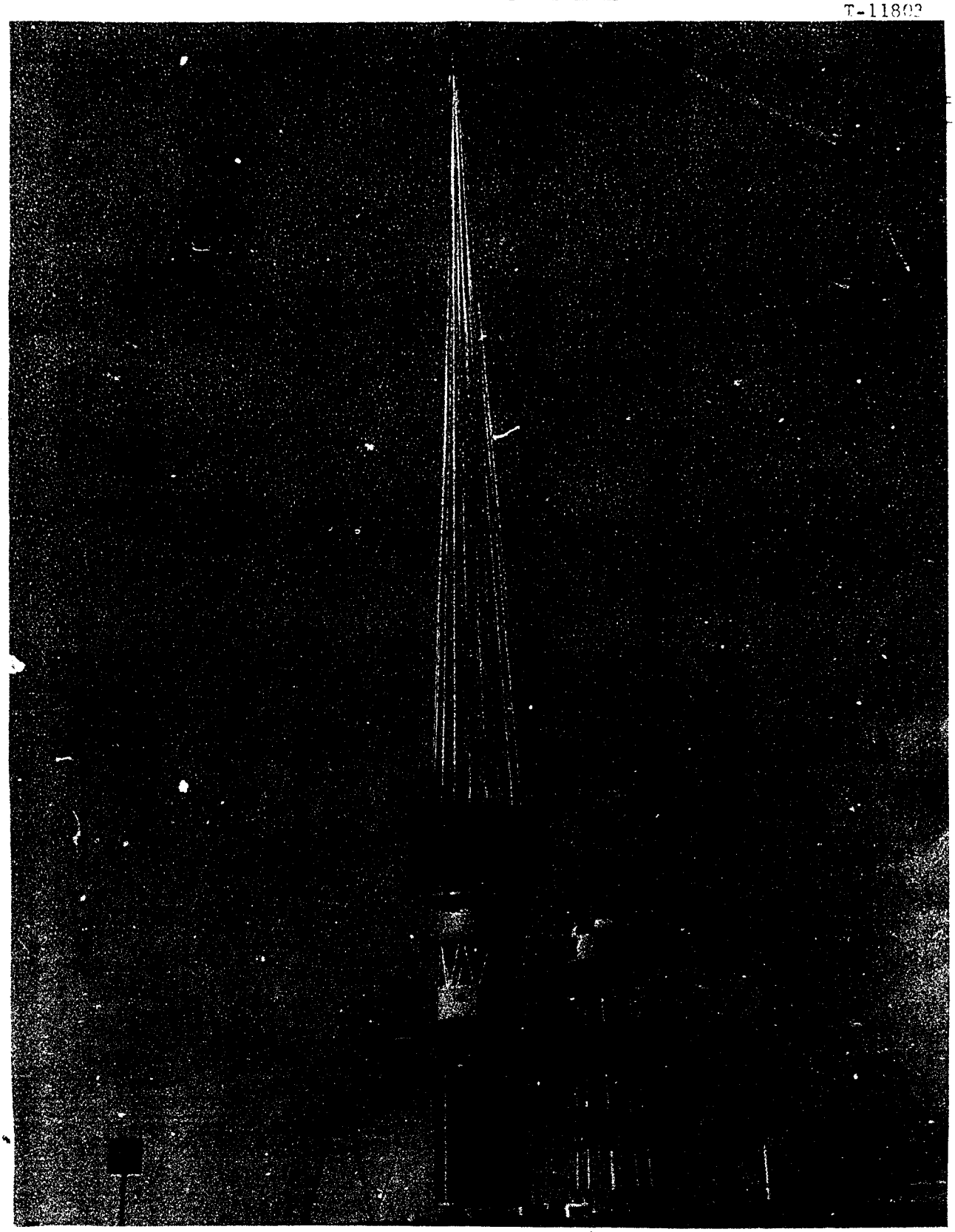

FIGURE 18 DES-5 AFTER TEST NO. 7.

D#66-7161

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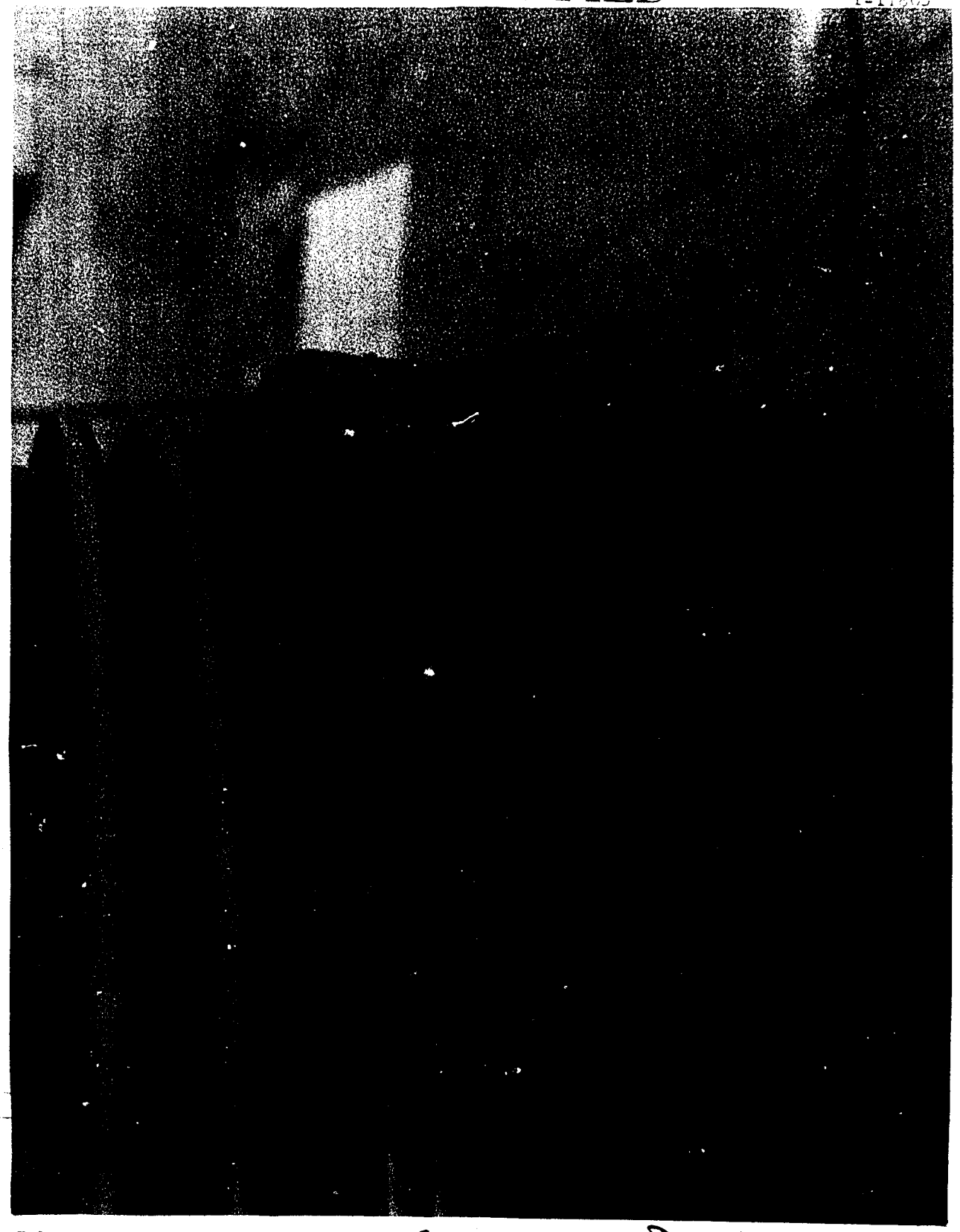

FIGURE 19 ANTENNA CAN OF UNIT #5 AFTER TEST NO. 7. D#66-7159

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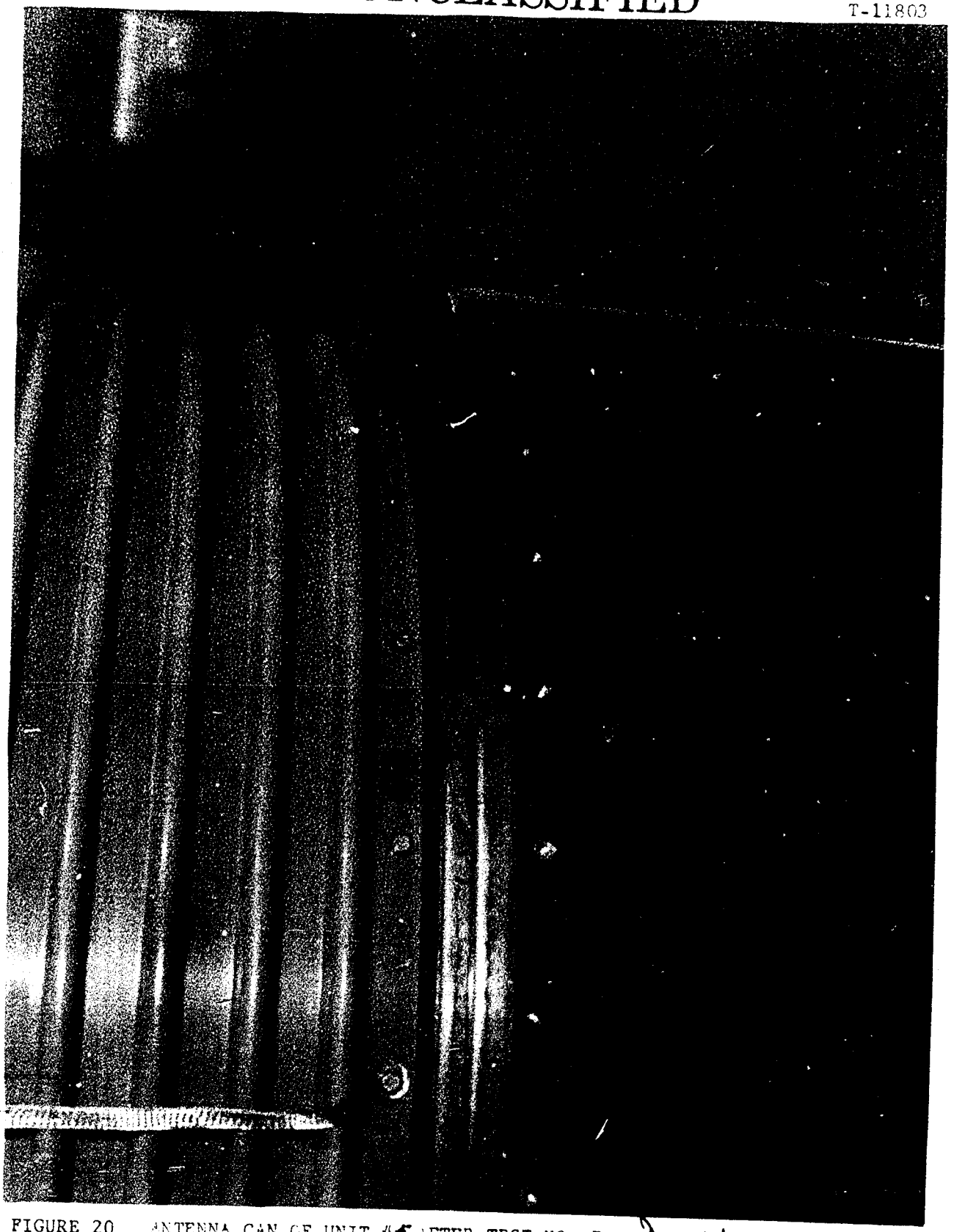

FIGURE 20 ANTENNA CAN OF UNIT #5 AFTER TEST NO. 7.

D#66-7158

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[redacted]

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FIGURE 21 LEAD MITIGATOR AFTER TEST NO. 7.

D#66-7157

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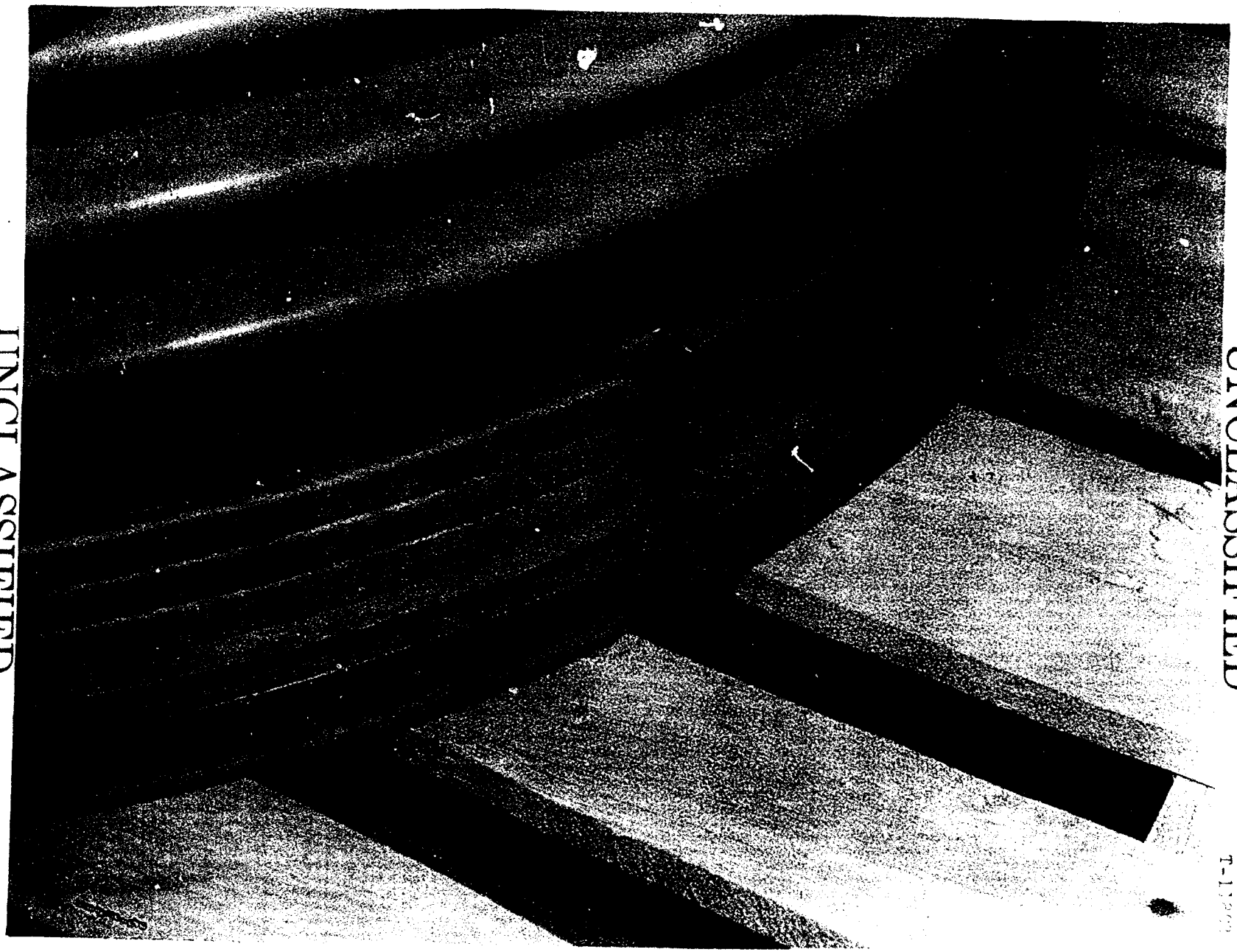

T-1[illegible]

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[redacted]

FIGURE 22 LEAD MITIGATOR AFTER TEST NO. 8. D#66-7160

#14632

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TABLE I
Page 1
UNIT 1-TEST 1
ACCELERATION DATA

[illegible]	S/N [illegible]	[illegible] (msec)	Rise (msec)	Max. - (g)	Max. + (g)	[illegible] (g)	Location and Sensing Dir.	Gage No.
[illegible] 500g	KA37	—	—	8.2	13.7	—	PULSER PLATE LONG.	A-1
	TE37	—	—	6.5	6.1	—	PULSER PLATE 0°-180°	A-2
	KA35	—	—	5.0	3.5	—	PULSER PLATE 90°-270°	A-3

RECORD FILTERED TO 5 KHZ.

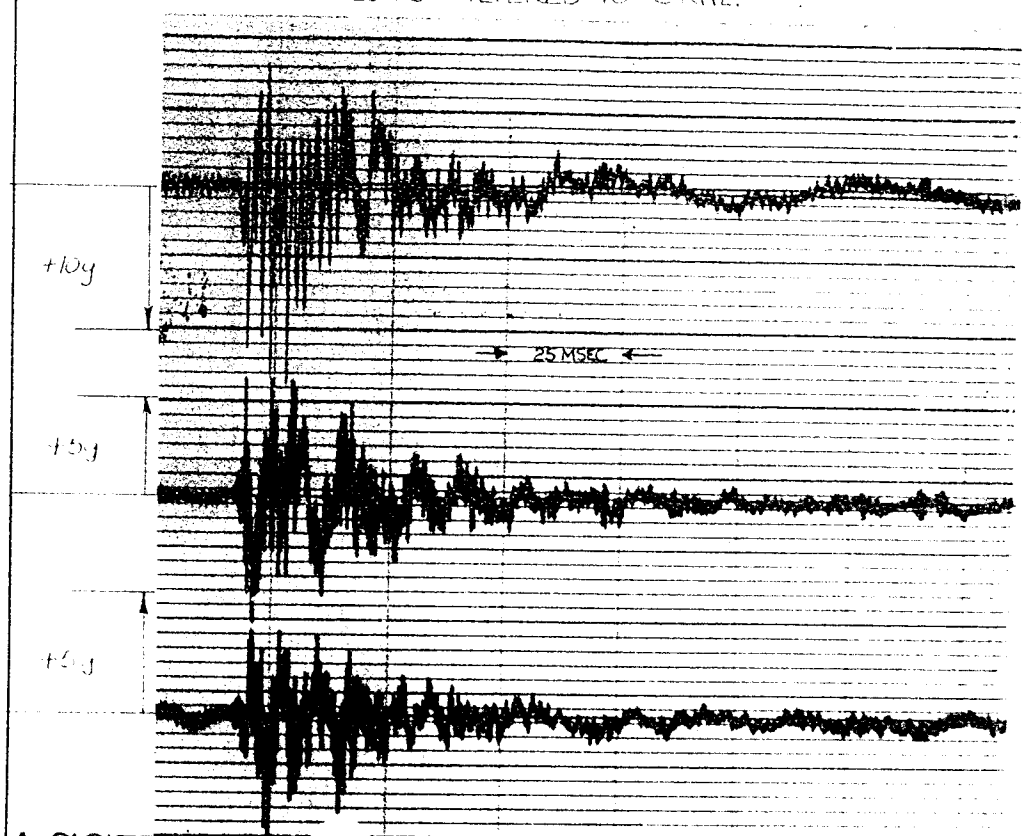

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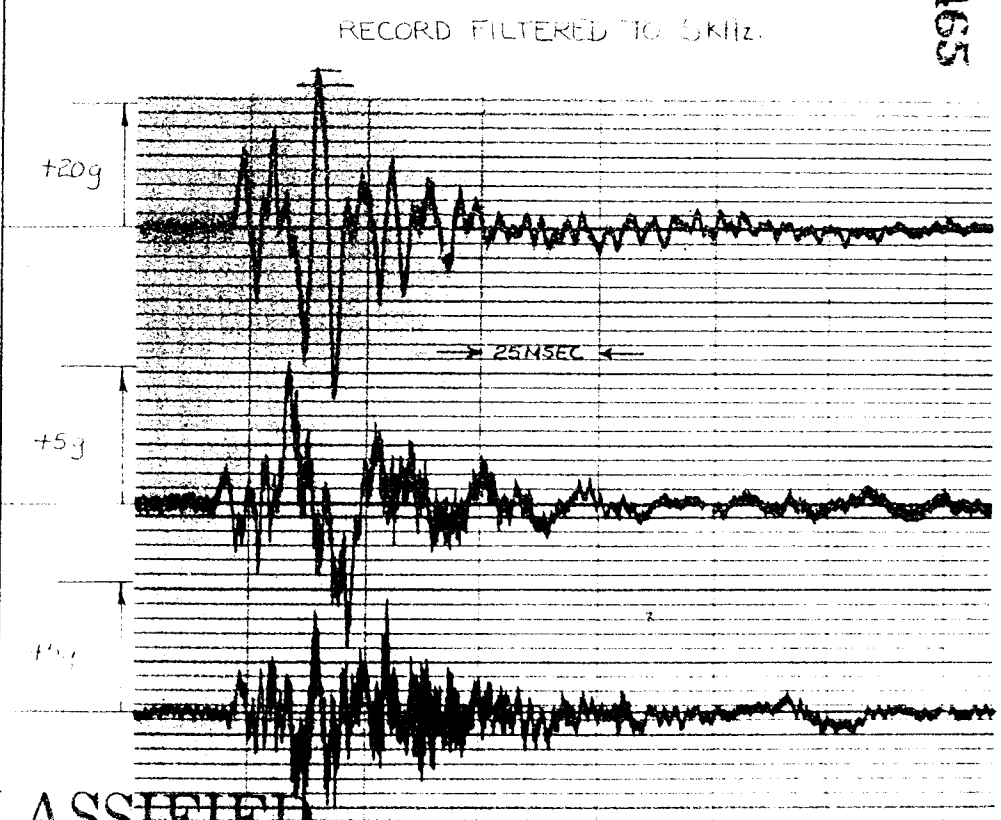
TABLE I
Page 2
UNIT 1 - TEST 1
ACCELERATION DATA

T-11803

[illegible]	[illegible]	[illegible] (msec)	[illegible] (msec)	Max. [illegible] (g)	Max. [illegible] (g)	[illegible] (g)	[illegible] and Sensitive Dir.	Page No.
ENDEVCO 2213C 30KC 500g	KA39	—	—	27.5	26.0	—	CENTER COMP. PLATE LONG.	A-4
	JE91	—	—	5.1	5.2	—	CENTER COMP. PLATE 0°-180°	A-5
	MA31	—	—	4.2	4.4	—	CENTER COMP. PLATE 90°-270°	A-6



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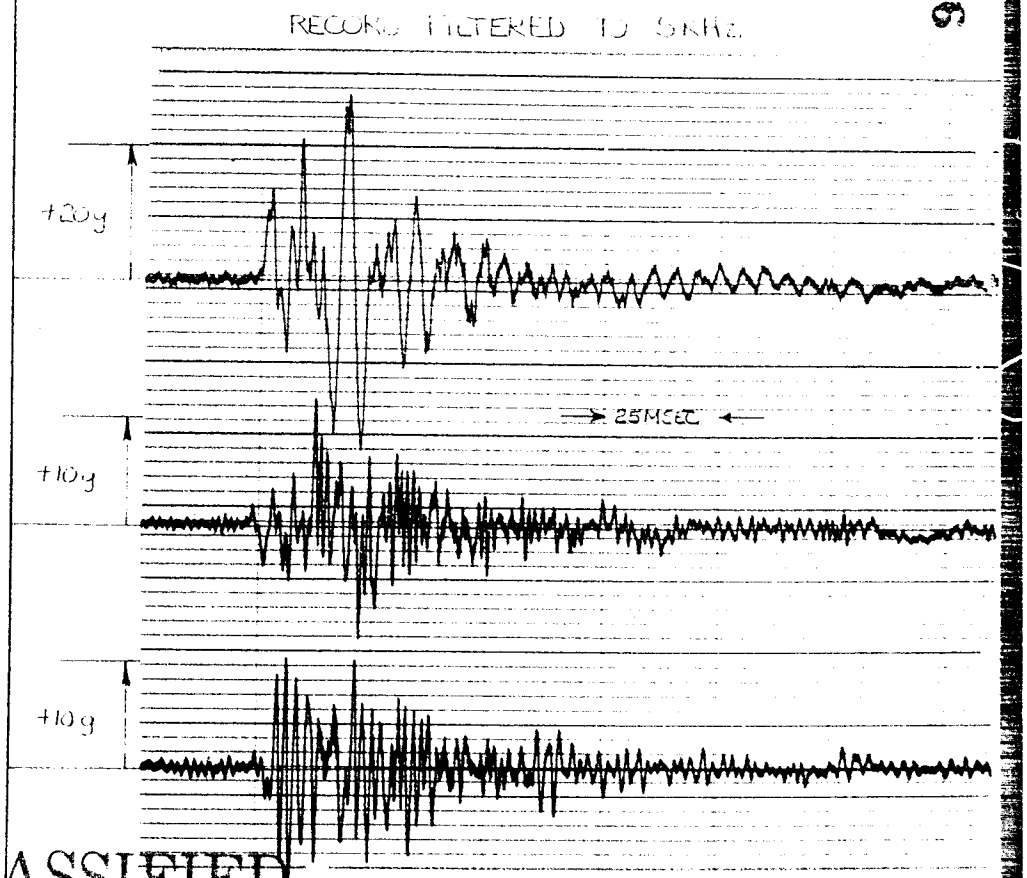
[redacted]

TABLE I
Page 3
UNIT 1 - TEST 1
[illegible] DATA

T-11803

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Location and [illegible]	Gage No.
ENDEVCO 2213C 35KC 500g	KB05	—	—	24.9	27.2	—	TC159 LONG.	A-7
	GR62	—	—	10.5	11.9	—	TC159 0°-180°	A-8
	EC5[illegible]	—	—	10.0	10.4	—	TC159 90°-270°	A-9



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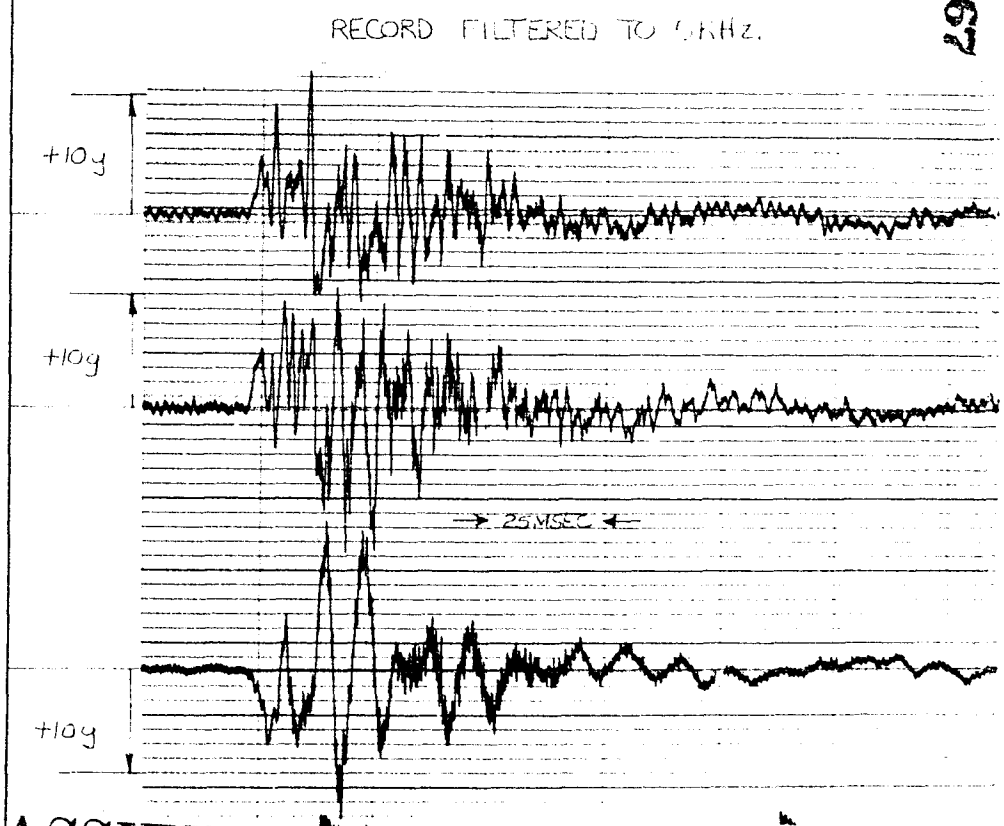
T-11803

TABLE I
Page 4
UNIT 1 - TEST 1
ACCELERATION DATA

Make, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KA32	—	—	7.3	12.0	—	90° COMP. PLATE LONG.	A-10
	EC59	—	—	12.9	10.7	—	270° COMP. PLATE LONG.	A-11
	TH02	—	—	14.2	14.2	—	TELLER LIGHT LONG.	A-12

RECORD FILTERED TO 5KHz.



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[redacted]

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T-11803

TABLE II
Page 1
UNIT 1 - TEST 2
ACCELERATION DATA

Make, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Fired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KA37	16.0	11.0	6.8	8.5	+3.3	PULSER PLATE LONG.	A-1
	JE39	—	—	6.4	5.0	—	PULSER PLATE 0°-180°	A-2
	KA35	—	—	2.9	4.0	—	PULSER PLATE 90°-270°	A-3

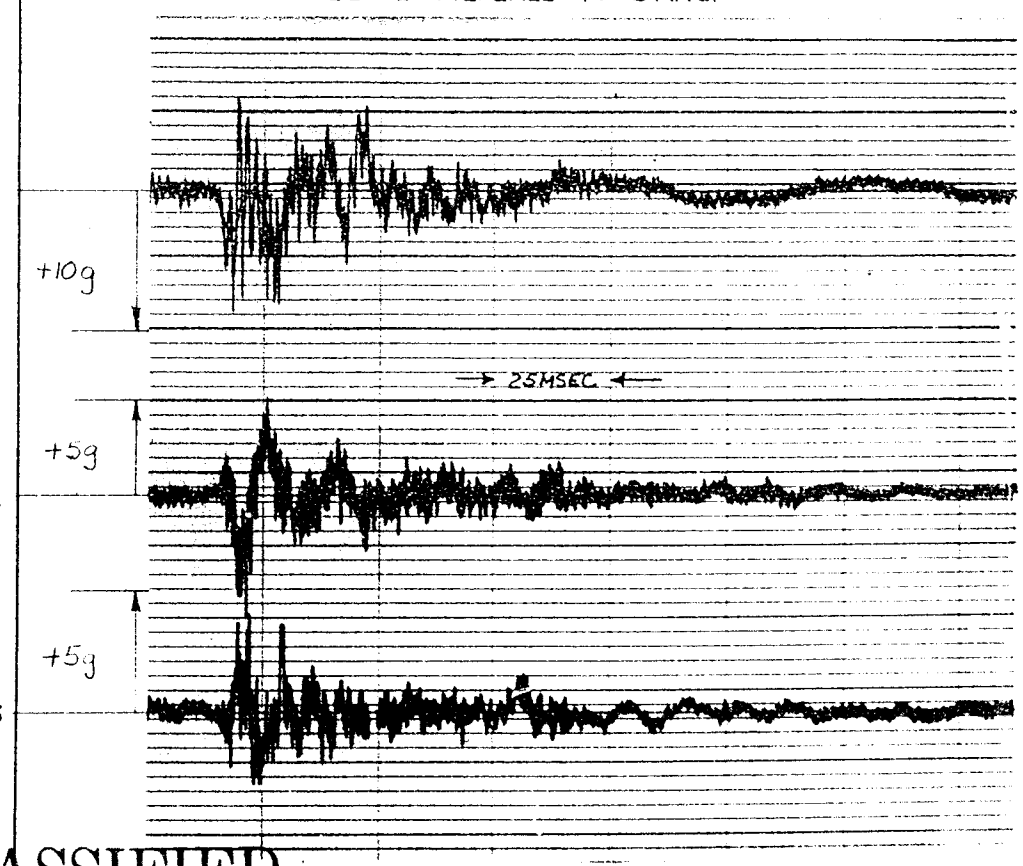

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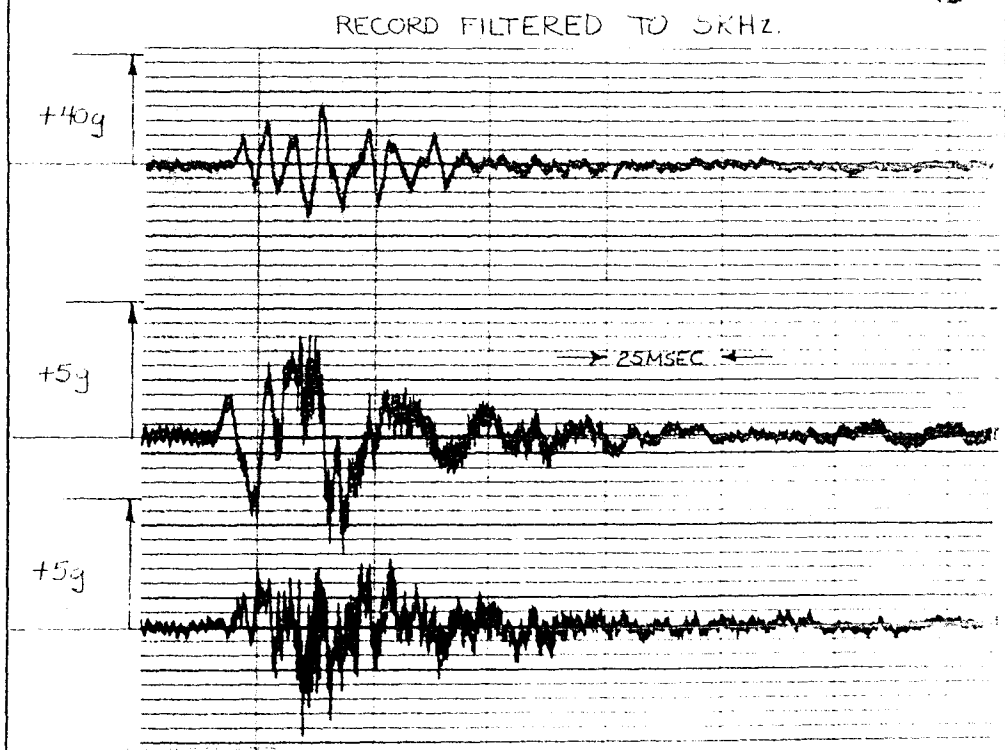
TABLE II
Page 2
UNIT 1 - TEST 2
ACCELERATION DATA

Make, S/N Range, f_1	Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Paired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g KA34	—	—	14.5	20.5	—	CENTER COMP. PLATE LONG.	A-4
JE97	—	—	4.3	3.7	—	CENTER COMP. PLATE 0°-180°	A-5
KA31	—	—	4.1	2.5	—	CENTER COMP. PLATE 90°-270°	A-6



[redacted]

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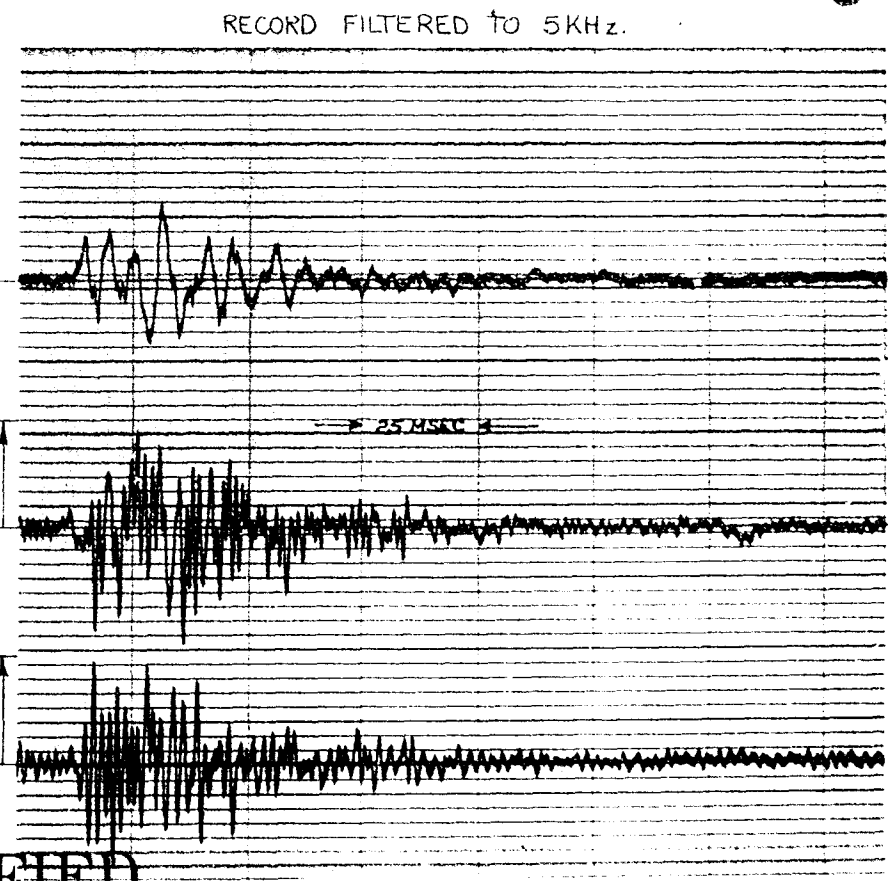
[redacted]

TABLE II
Page 3
UNIT 1 - TEST 2
ACCELERATION DATA

T-11803

Make, S/N Range, f_n	Duration (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	NO CALIBRATE FOR THIS CHANNEL					TC 159 LONG.	A-7
GR62	—	—	10.9	8.9	—	TC 159 0°-180°	A-8
EC56	—	—	9.5	9.2	—	TC 159 90°-270°	A-9



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[redacted]

[redacted]

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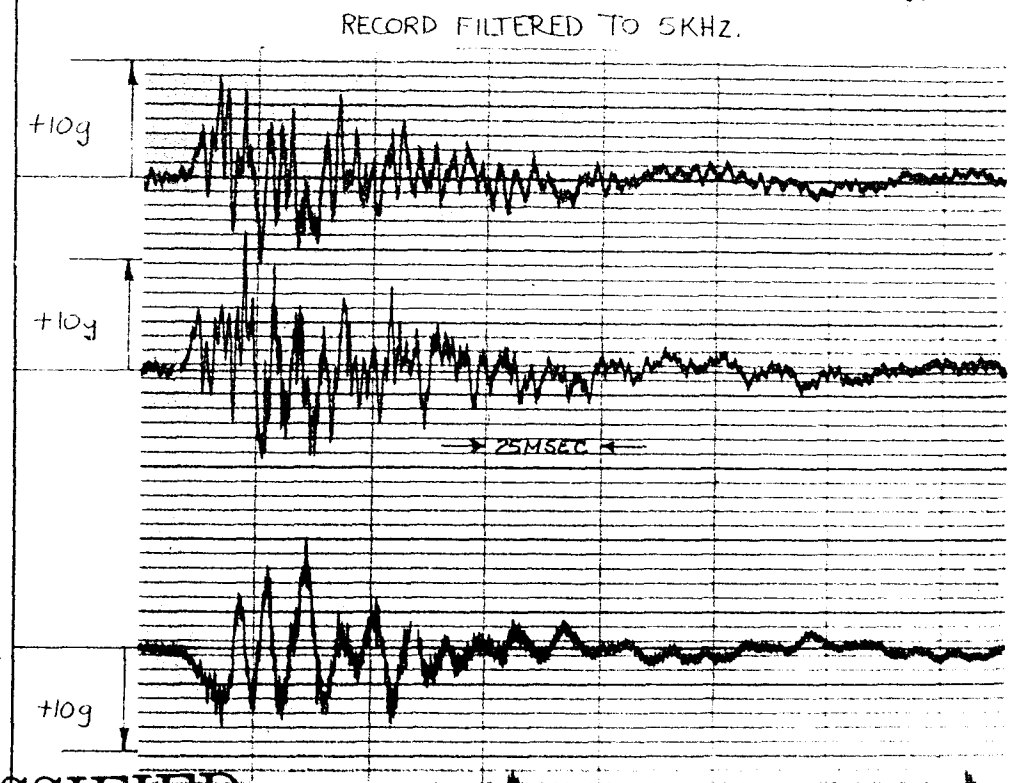
TABLE II
Page 4
UNIT 1-TEST 2
ACCELERATION DATA

Make, S/N Range, f_n		[illegible] (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Fa[illegible] (	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KA38	—	—	7.2	8.3	—	90° COMP. PLATE LONG.	A-10
	EC59	—	—	7.5	12.4	—	270° COMP. PLATE LONG.	A-11
	JH02	—	—	10.2	7.2	—	TELLER LIGHT LONG.	A-12

RECORD FILTERED TO 5KHz.



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[redacted]

[redacted]

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TABLE III
Page 1
UNIT 1 - TEST 3
ACCELERATION DATA

Make, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Paired (g)	Location and Sensing Dir.	Cage No.
ENDEVCO 2213C 35KC 500g	KA37	—	—	10.9	10.2	—	PULSER PLATE LONG.	A-1
	JE39	—	—	9.6	7.8	—	PULSER PLATE 0°-180°	A-2
	KA35	—	—	4.3	5.2	—	PULSER PLATE 90°-270°	A-3

RECORD FILTERED TO 5KHz.

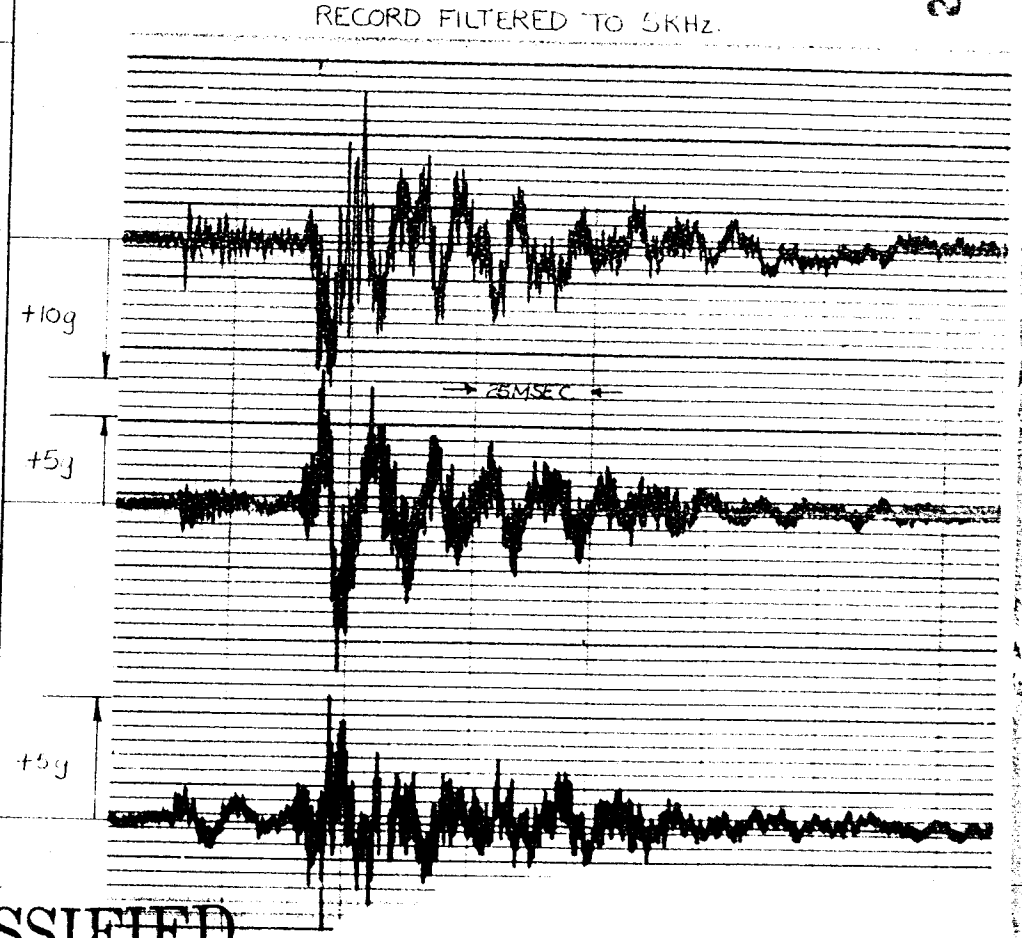

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TABLE III
Page 2
UNIT 1 - TEST 3
ACCELERATION DATA

[illegible]	[illegible]	[illegible]	Rise (msec)	[illegible] (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500 g	KA39	—	—	15.3	15.0	—	CENTER COMP. PLATE LONG.	A-4
	JE97	—	—	4.1	4.5	—	CENTER COMP. PLATE 0°-180°	A-5
	KA-31	—	—	15.0	8.9	—	ADAPTER FLANGE LONG.	A-6

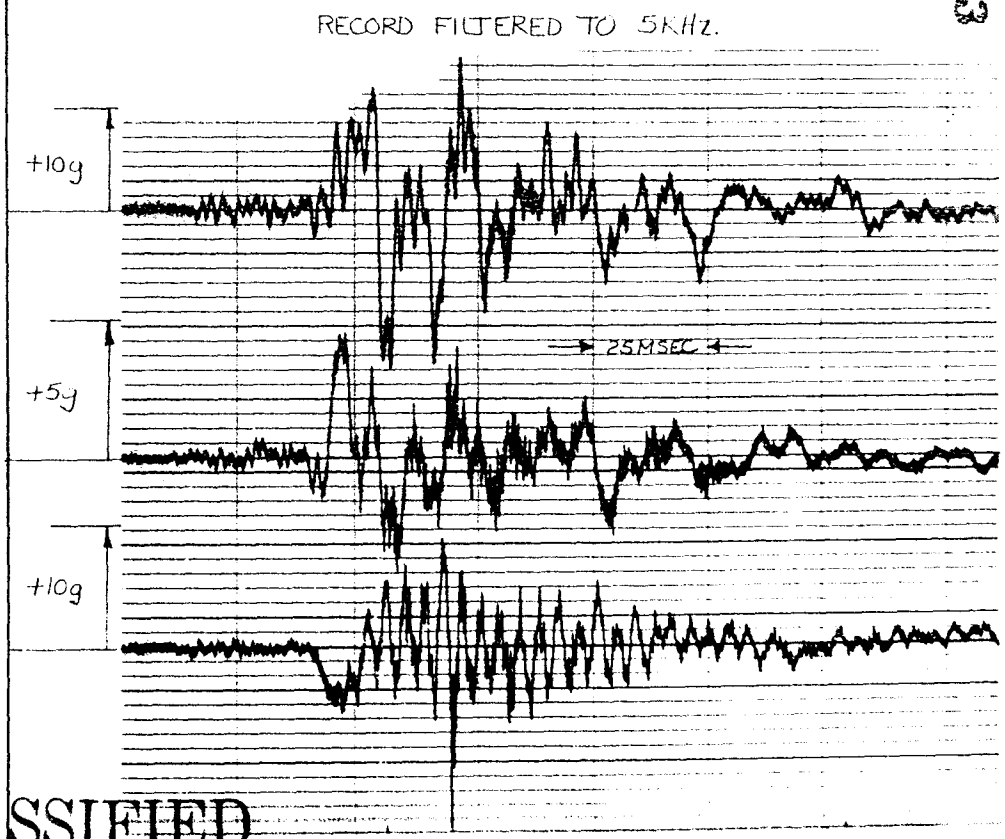

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TABLE III
Page 3
UNIT 1 - TEST 3
ACCELERATION DATA

Make, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KB05	—	—	14.5	8.8	—	TC159 LONG.	A-7
	GR62	—	—	10.3	8.0	—	TC159 0°-180°	A-8
	EC56	—	—	11.8	11.8	—	TC159 90°-270°	A-9

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RECORD FILTERED TO 5KHz.

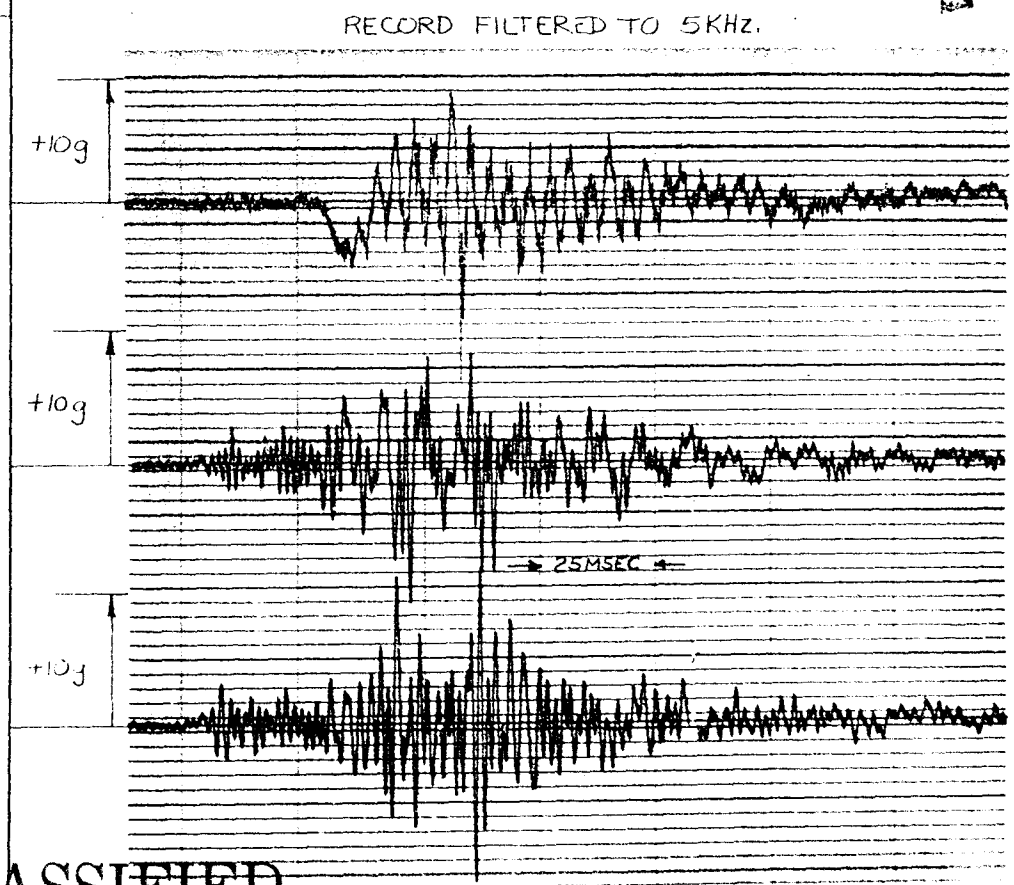

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TABLE III
Page 4
UNIT 1 - TEST 3
ACCELERATION DATA

Model, S/N, Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Fall (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KA38	—	—	11.1	11.3	—	90° COMP. PLATE LONG.	A-10
	EC59	—	—	11.9	11.0	—	270° COMP. PLATE LONG.	A-11
	JH02	—	—	11.4	11.5	—	TELLER LIGHT LONG.	A-12

RECORD FILTERED TO 5KHZ.

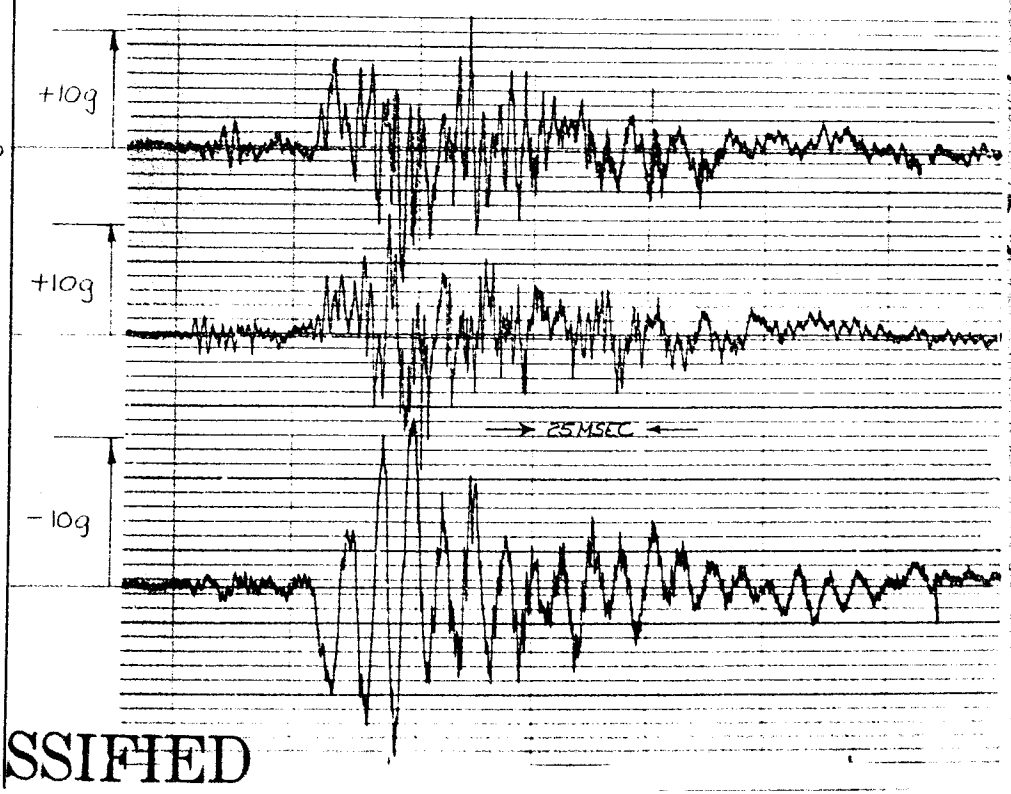

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TABLE IV
Page 1
UNIT 1-TEST 4
ACCELERATION DATA

Make, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KA37	—	—	4.0	7.3	—	PULSER PLATE LONG.	A-1
	JE39	—	—	4.2	4.8	—	PULSER PLATE 0°-180°	A-2
	KA35	—	—	1.6	2.5	—	PULSER PLATE 90°-270°	A-3

1476

RECORD FILTERED TO 5KHz.

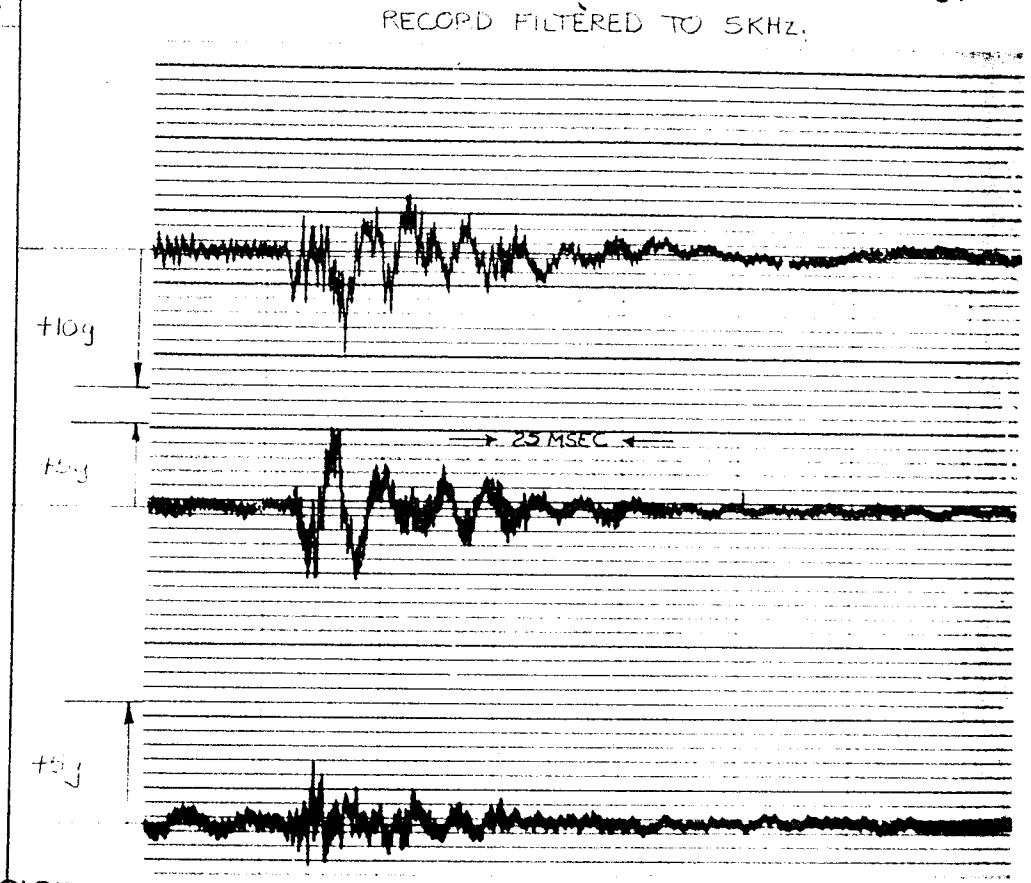

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TABLE IV
Page 2
UNIT 1 TEST 4
ACCELERATION DATA

Make, S/N, f_n		Duration (sec)	Rise (sec)	Max. − (g)	Max. + (g)	Tailed (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KA39	—	—	11.0	10.8	—	CENTER COMP. PLATE LONG.	A-4
	JE97	—	—	1.3	1.6	—	CENTER COMP. PLATE 0°-180°	A-5
	KA31	—	—	3.2	2.0	—	ADAPTER FLANGE LONG.	A-6

RECORD FILTERED TO 5KHz

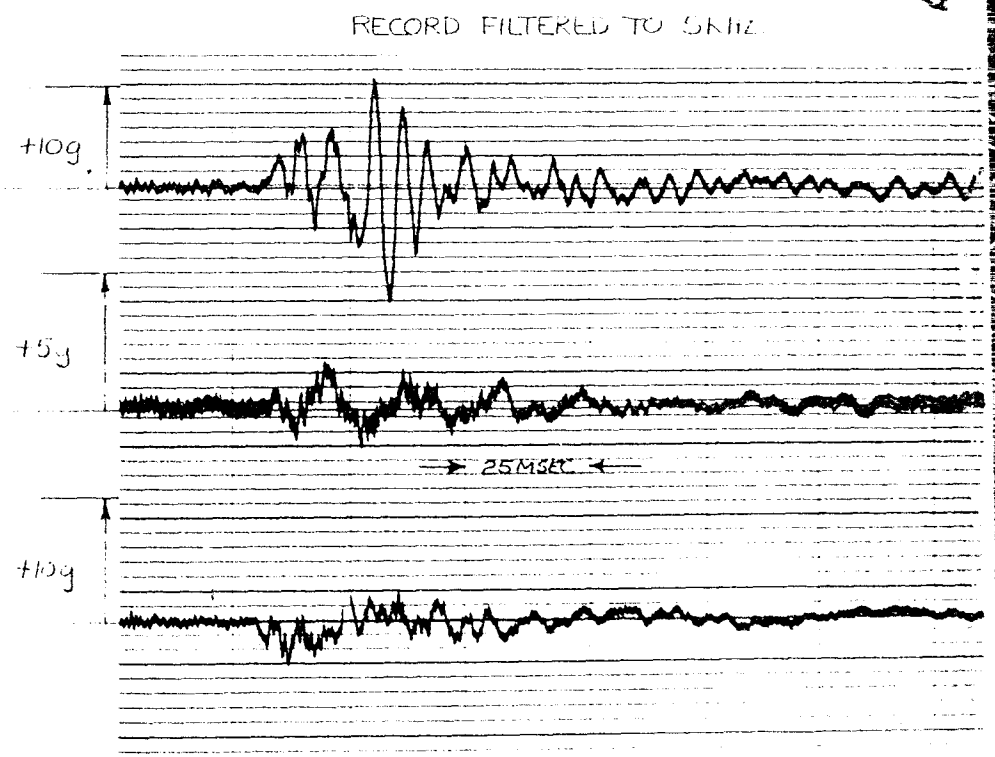

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TABLE IV
Page 3
UNIT 1 TEST 4
ACCELERATION DATA

Make, S/N Range, F_n		Duration (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Tilted (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KB05	—	—	3.3	3.0	—	TC159 LONG.	A-7
	GR62	—	—	3.9	3.3	—	TC159 0°-180°	A-8
	EC56	—	—	3.3	4.2	—	TC159 90°-270°	A-9

RECORD FILTERED TO 5KHz.

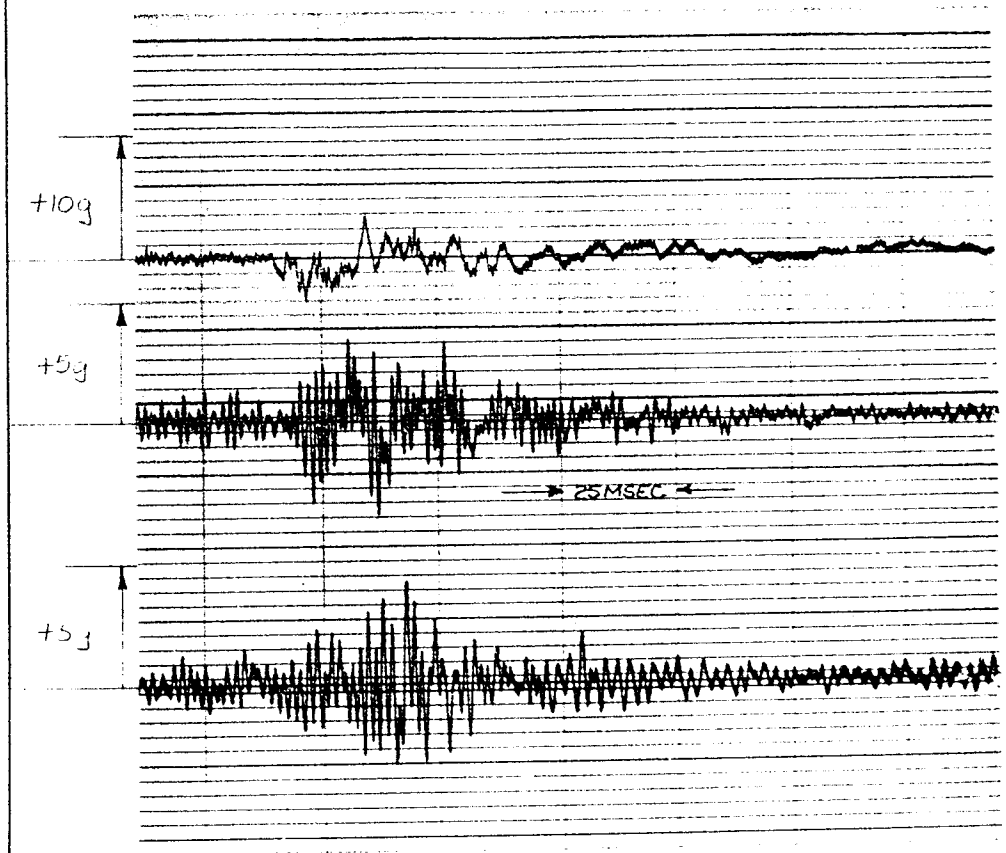

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TABLE IV
Page 4
UNIT 1 TEST 4
ACCELERATION DATA

Make, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Paired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 30 KC 50 g	KA37	—	—	3.8	4.0	—	90° COMP. PLATE LONG.	A-10
	EC59	—	—	5.7	5.5	—	210° COMP. PLATE LONG.	A-11
	JH02	—	—	6.8	5.3	—	TELLER LIGHT LONG.	A-12

RECORD FILTERED TO 5KHz.

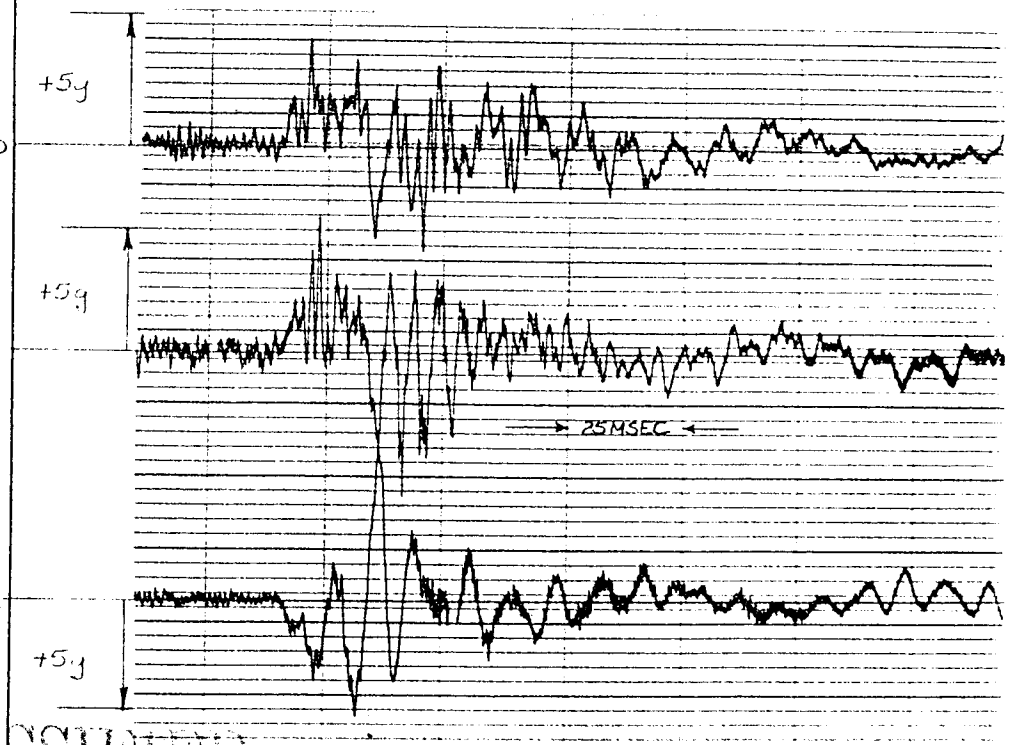

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TABLE V
Page 1

UNIT 1 TEST 5
ACCELERATION DATA

Make, S/N Range, f_n	Location (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Paired (g)	Location and Sensing Dir.	Page No.
ENDEVCO 2213C 35KC 500g	NA37	—	—	6.0	6.8	—	PULSER PLATE LONG.	A-1
	JE39	—	—	5.0	5.5	—	PULSER PLATE 0°-180°	A-2
	NA35	—	—	4.2	3.2	—	PULSER PLATE 90°-270°	A-3

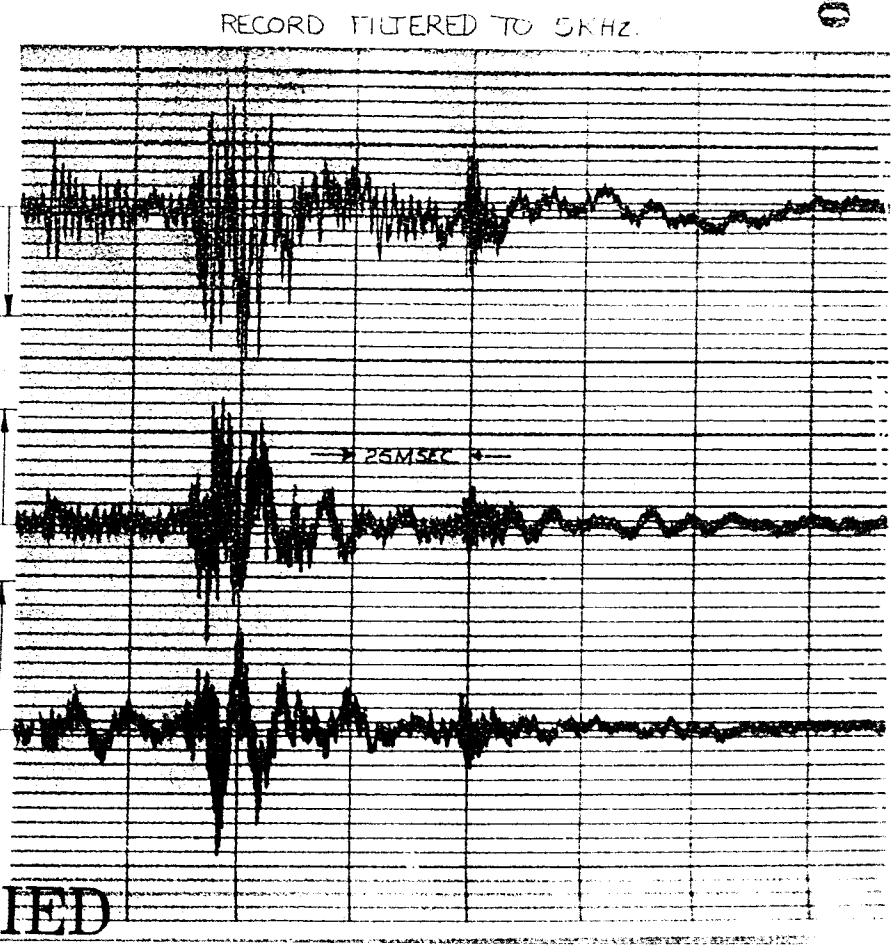

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TABLE V
Page 2
UNIT 1 TEST 5
ACCELERATION DATA

Make, S/N Range, f_n		Location (msec)	Rise (msec)	Max. − (g)	Max. + (g)		Location and Sensing Dir.	Case No.
ENDEVCO 2213C 35 KC 500 g	KA29	—	—	5.2	6.8	—	CENTER COMP. PLATE LONG.	A-4
	JE97	—	—	1.3	1.6	—	CENTER COMP. PLATE 0°-180°	A-5
	KA31	—	—	4.4	2.3	—	ADAPTER FLANGE LONG.	A-6

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RECORD FILTERED TO 5KHZ.

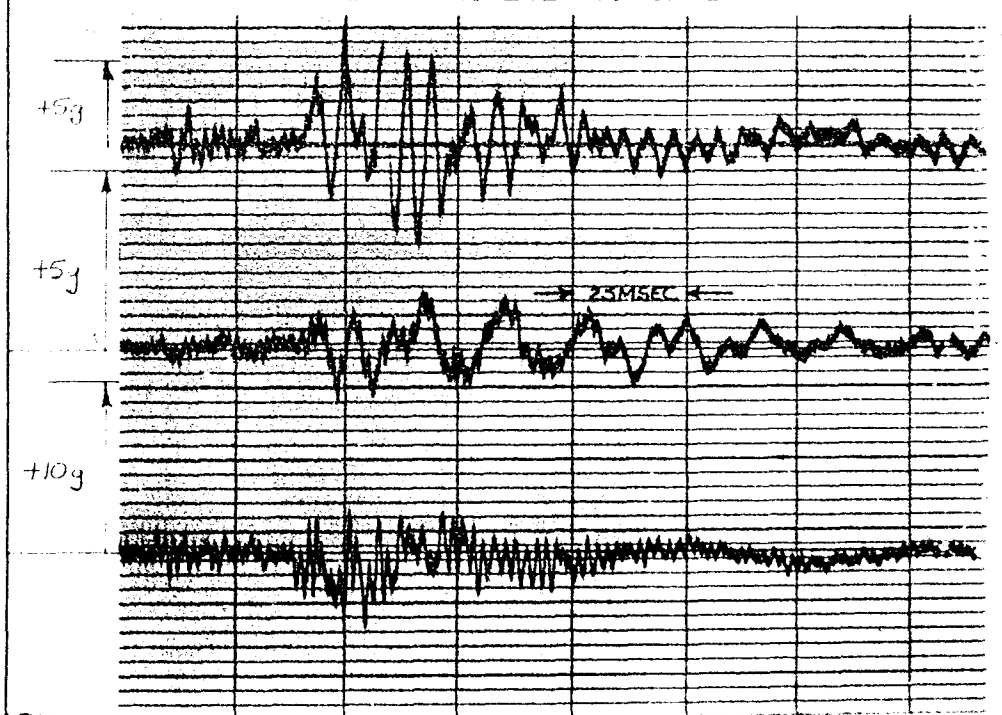

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TABLE V
Page 3
UNIT 1 TEST 5
ACCELERATION DATA

No. [illegible]	[illegible]	[illegible] (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KB05	—	—	6.1	9.2	—	TC159 LONG.	A-7
	GRG2	—	—	3.3	3.9	—	TC159 0°-180°	A-8
	ECG2	—	—	3.4	2.8	—	TC159 90°-270°	A-9

RECORD FILTERED TO 5KHz

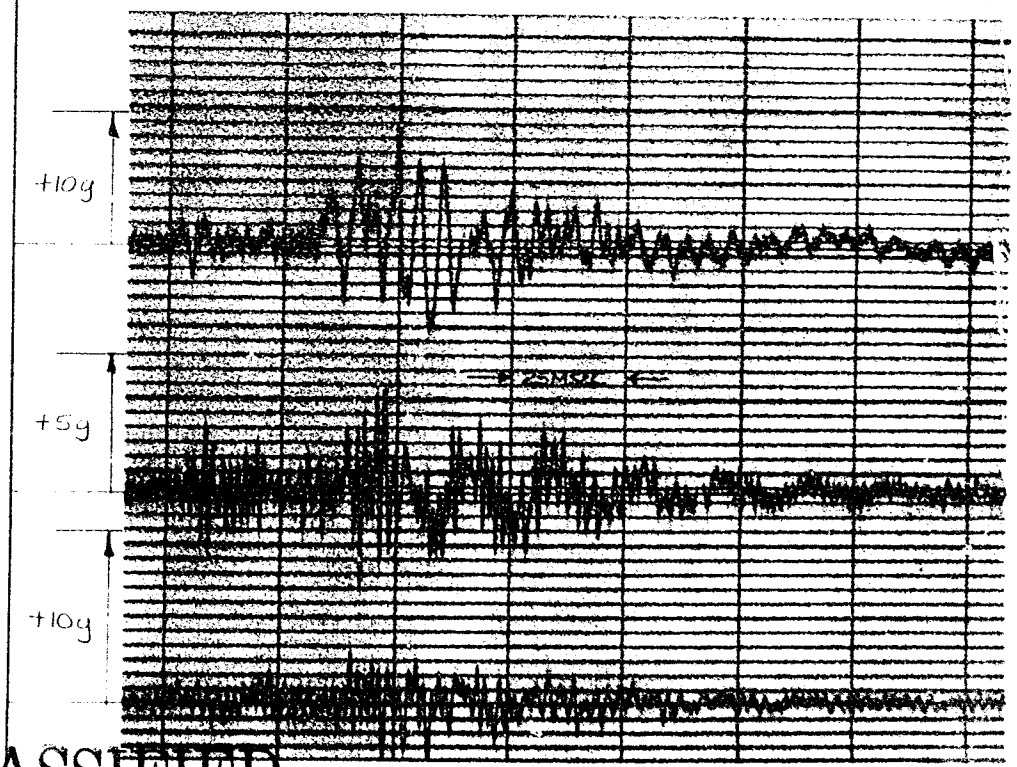

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TABLE V
Page 4
UNIT 1 TEST 5
ACCELERATION DATA

[illegible], S/N Range, t_n		[illegible] (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Shifted (g)	Location and Sensing Dir.	Cage No.
ENDEVCO 2213C 35KC 500g	KA[illegible]	—	—	2.6	3.7	—	90° COMP. PLATE LONG.	A-10
	EC59	—	—	5.1	6.3	—	270° COMP. PLATE LONG.	A-11
	JH02	—	—	3.2	3.6	—	TELLER LIGHT LONG.	A-12

1483

RECORD FILTERED TO 5KHz.

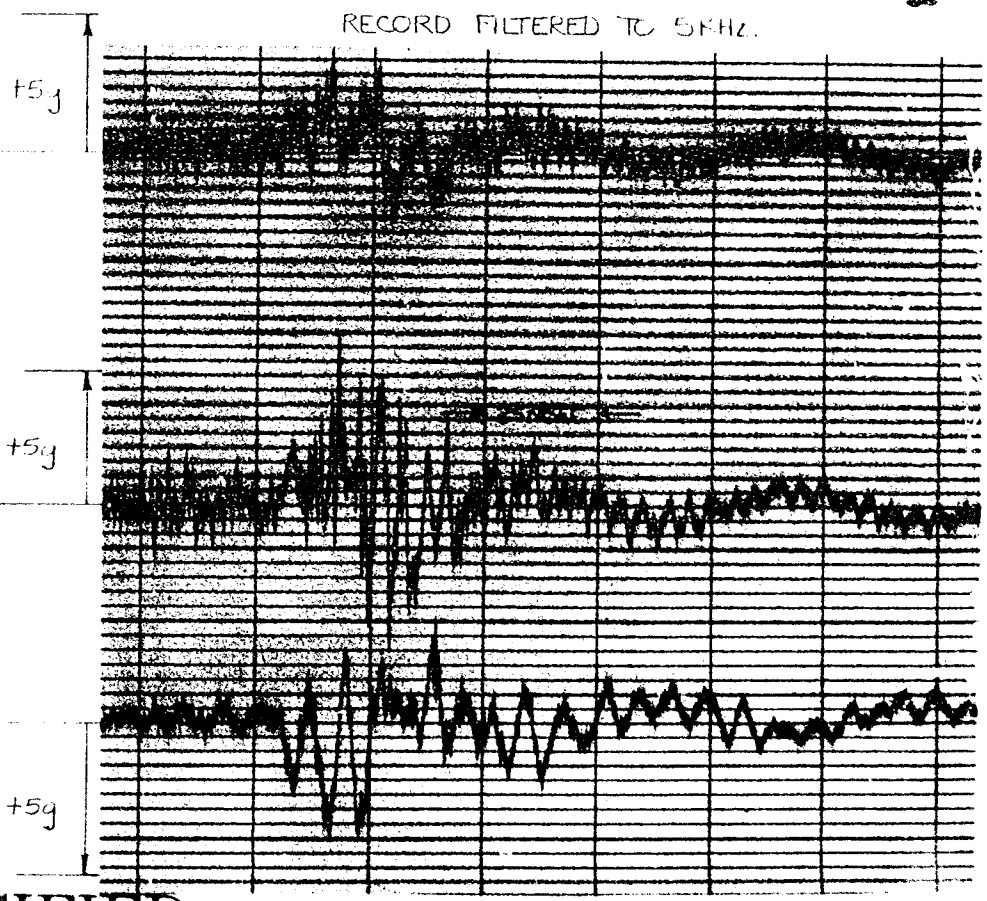

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TABLE VI
Page 1
UNIT 1 TEST 6
ACCELERATION DATA

Type, S/N Range, f_n	Duration (sec)	Rise (sec)	Max. − (g)	Max. + (g)	Fired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g KA37	—	—	5.0	6.9	—	PULSER PLATE LONG.	A-1
TE31	—	—	3.8	5.1	—	PULSER PLATE 0°-180°	A-2
KA35	—	—	2.5	2.6	—	PULSER PLATE 90°-270°	A-3

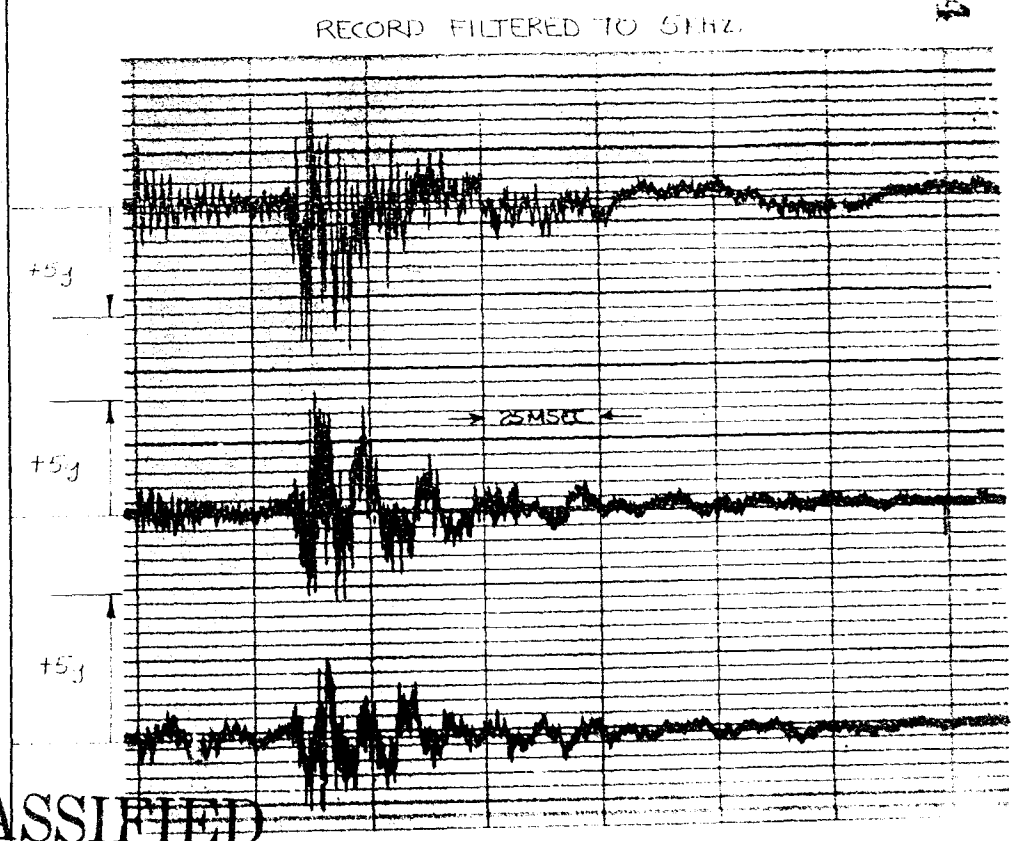

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TABLE VI
Page 2
UNIT 1 TEST 6
ACCELERATION DATA

[illegible]	[illegible]	[illegible]	[illegible]	[illegible] (g)	Max. + (g)	[illegible] (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC [illegible] g	KA39	—	—	6.6	12.3	—	CENTER COMP. PLATE LONG.	A-4
	TE97	—	—	1.5	2.3	—	CENTER COMP. PLATE 0°-180°	A-5
	KA31	—	—	5.0	3.9	—	ADAPTER FLANGE LONG.	A-6

RECORD FILTERED TO 5 KHz

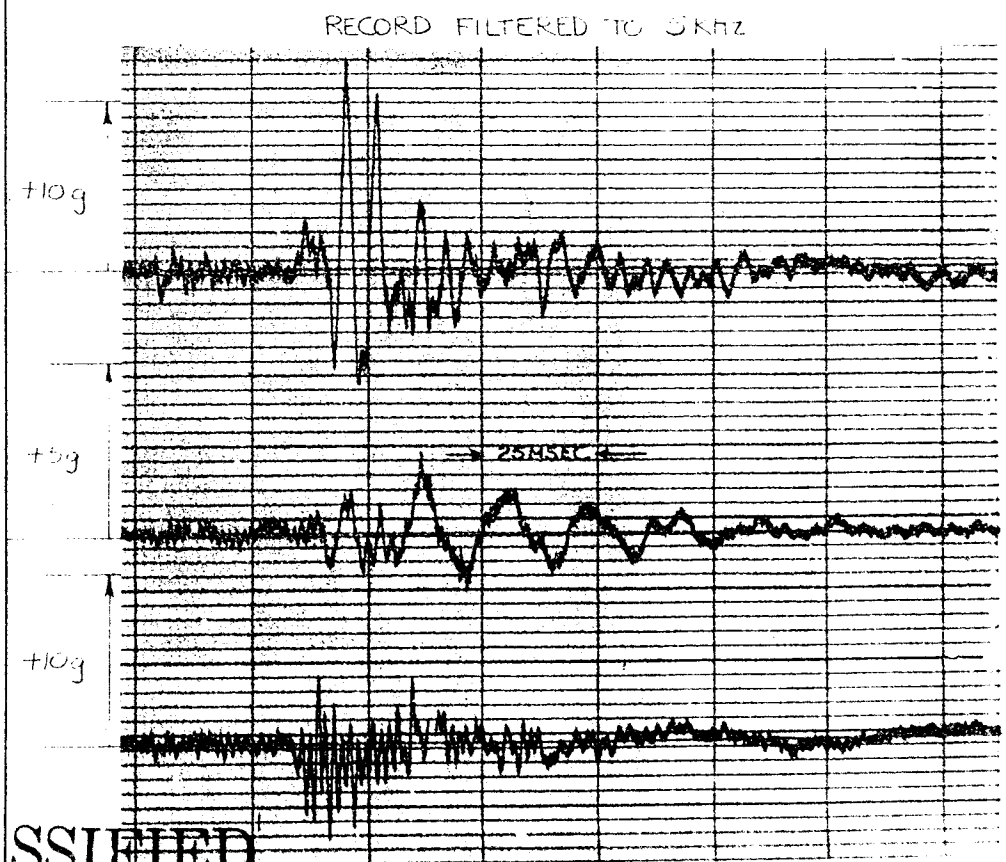

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TABLE VI
Page 3
UNIT 1 TEST 6
ACCELERATION DATA

Gage, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Paired (g)	Location and Sensitive Dir.	Gage No.
ENDEVCO 2213C 35KC 500 g	[illegible]	—	—	7.1	14.8	—	TC159 LONG.	A-7
	GR62	—	—	3.3	3.6	—	TC 159 0°-180°	A-8
1	[illegible]	—	—	3.3	2.8	—	TC159 90°-270°	A-9

RECORD FILTERED TO 5 KHz

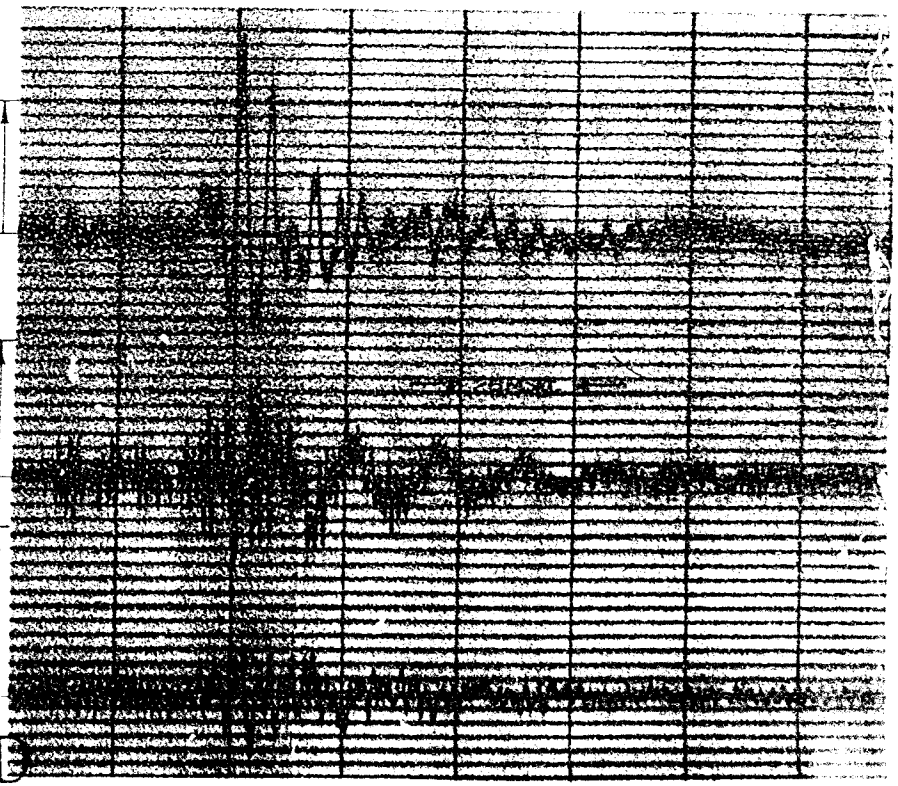

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TABLE VI
Page 4

UNIT 1 TEST 6
ACCELERATION DATA

[illegible] Range, f_n		[illegible] (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	KA32	26.0	11.0	3.3	3.7	+1.3	90° COMP. PLATE LONG.	A-10
	EC59	—	—	4.0	6.1	—	270° COMP. PLATE LONG.	A-11
	JH02	—	—	3.2	4.5	—	TELLER LIGHT LONG.	A-12

RECORD FILTERED TO 5KHz.

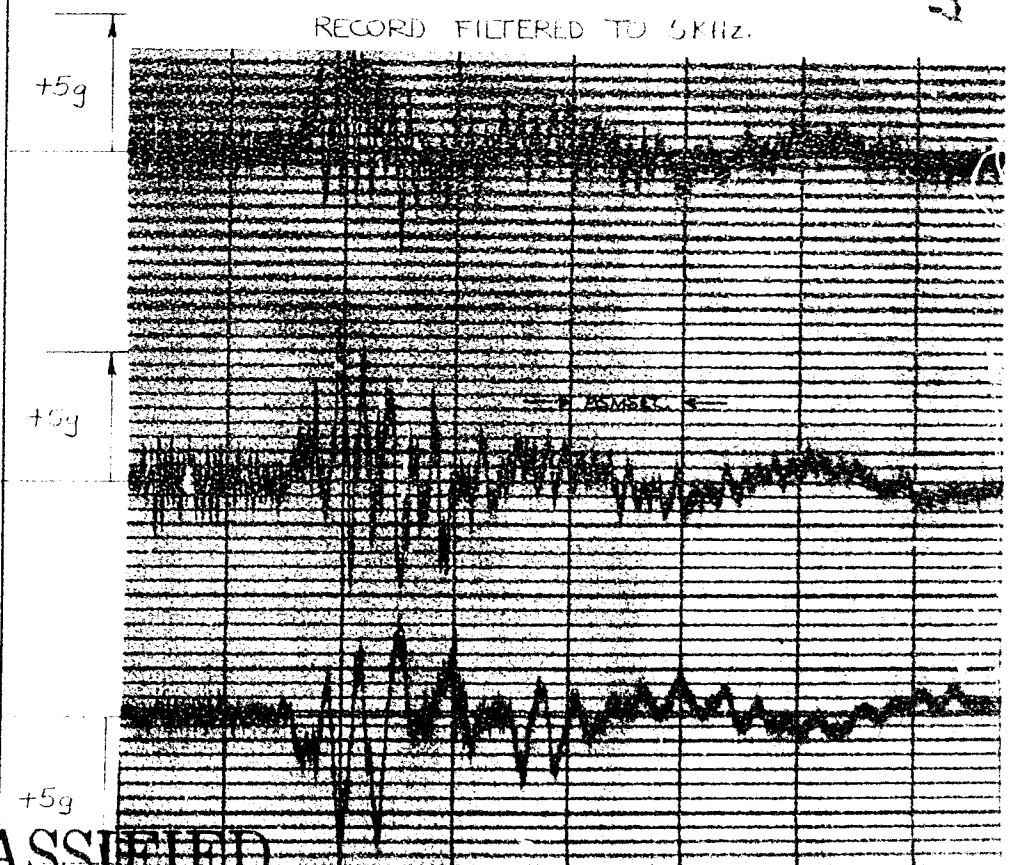

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TABLE VII
Page 1
UNIT 2 TEST #1
ACCELERATION DATA

Type, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 5.0g	NA17	—	—	5.5	7.0	—	PULSER PLATE LONG.	A-1
	KA57	—	—	5.0	4.7	—	PULSER PLATE 0°-180°	A-2
	NA51	—	—	4.0	4.6	—	PULSER PLATE 90°-270°	A-3

RECORD FILTERED TO 5KHz.

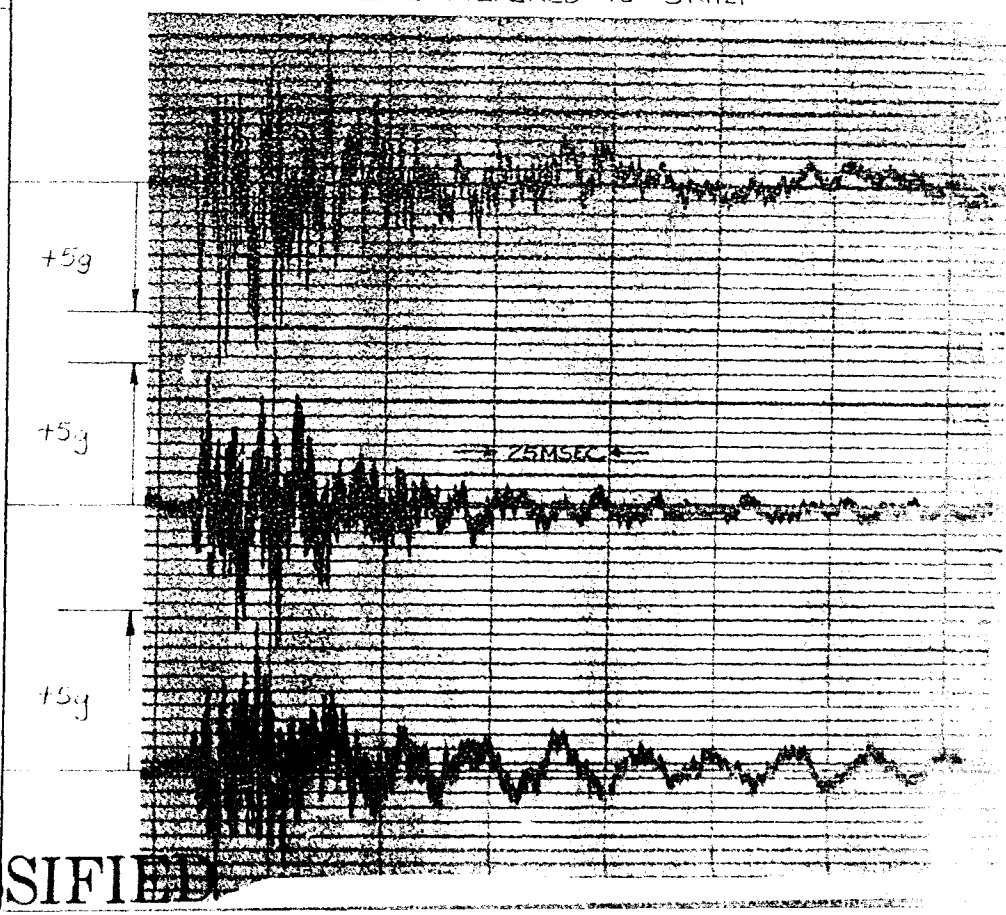

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TABLE VII
Page 2
UNIT 2 TEST 7
ACCELERATION DATA

Make, S/N Range, f_n		Duration (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Paired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g	HD13	—	—	11.2	12.6	—	CENTER COMP. PLATE LONG.	A-4
	HD14	—	—	3.0	3.2	—	CENTER COMP. PLATE 0°-180°	A-5
	KA31	—	—	7.9	8.8	—	ADAPTER FLANGE LONG.	A-6

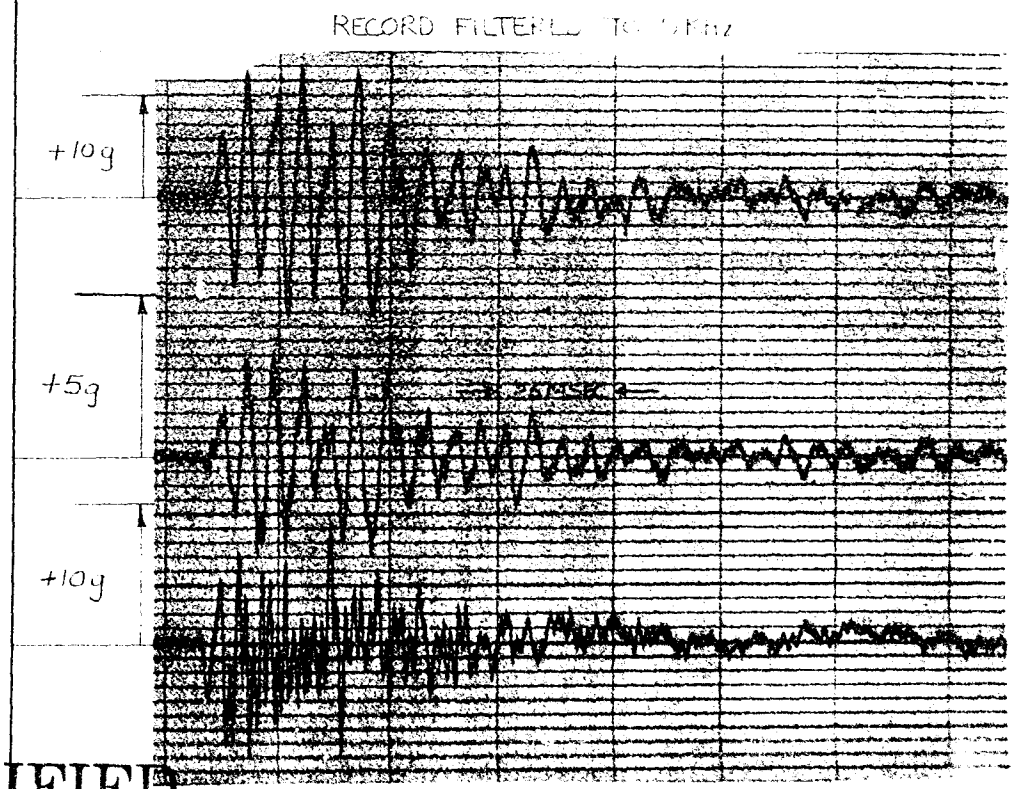

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TABLE VII
Page 3
UNIT 2 TEST 7
ACCELERATION DATA

[illegible]	[illegible]	Duration (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500 g	HD22	—	—	18.0	17.9	—	TC159 LONG.	A-7
	HA21	—	—	6.9	8.4	—	TC151 0°-180°	A-8
	HD[illegible]	—	—	7.2	8.4	—	TC159 90°-270°	A-9
[illegible]	[illegible]	ACCELEROMETER SHORTED [redacted]					[illegible] COMP PLATE LONG.	A-10

RECORD FILTERED TO 5KHz.

+10g

+10g

+5g

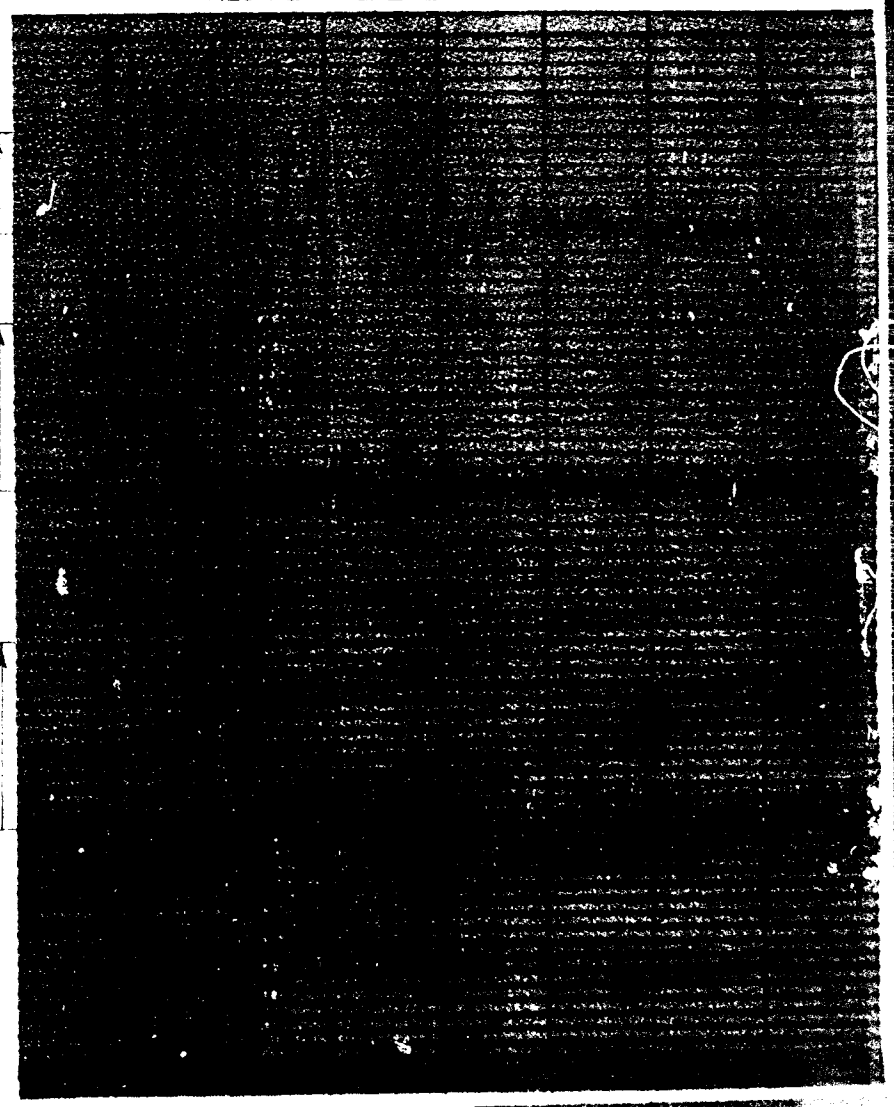

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TABLE VII
Page 4
UNIT 2 TEST 7
ACCELERATION DATA

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Make, S/N Range, E_n	Duration (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500g HD11	—	—	6.2	6.5	—	270° COMP. PLATE LONG.	A-11
HD14	—	—	5.5	5.9	—	TELLER LIGHT LONG.	A-12

RECORD FILTERED TO 5KHZ.

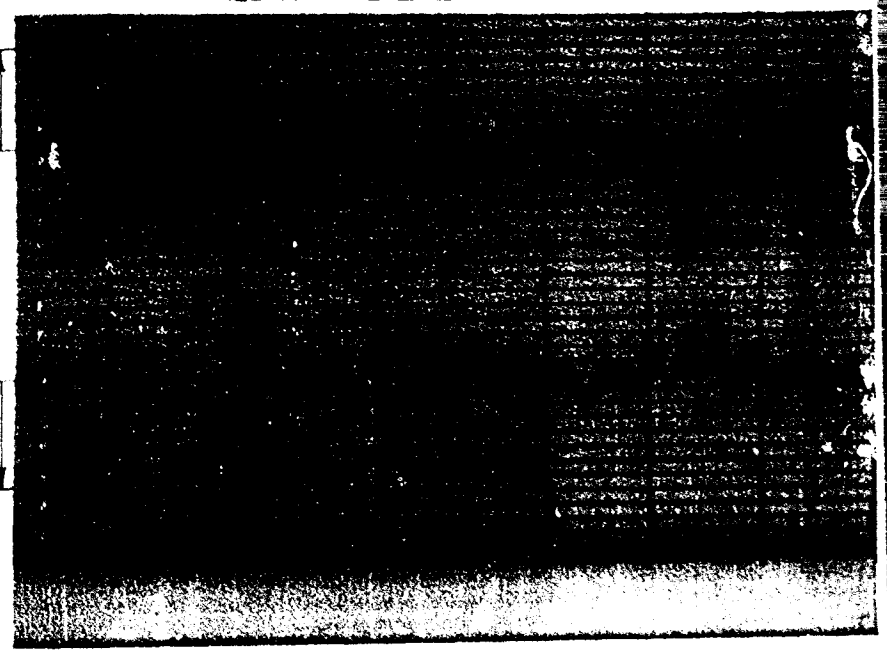

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TABLE VIII
Page 1
UNIT 2 TEST 8
ACCELERATION DATA

Make, S/N Range, f_n	Location (msec)	Rise (msec)	Max. - (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO 2213C 35KC 500 g NAM	—	—	5.9	6.3	—	PULSER PLATE LONG.	A-1
NAO1	—	—	3.4	3.6	—	PULSER PLATE 0°-180°	A-2
NAO1	—	—	3.0	2.5	—	PULSER PLATE 90°-270°	A-3

RECORD FILTERED TO 5 KHz.

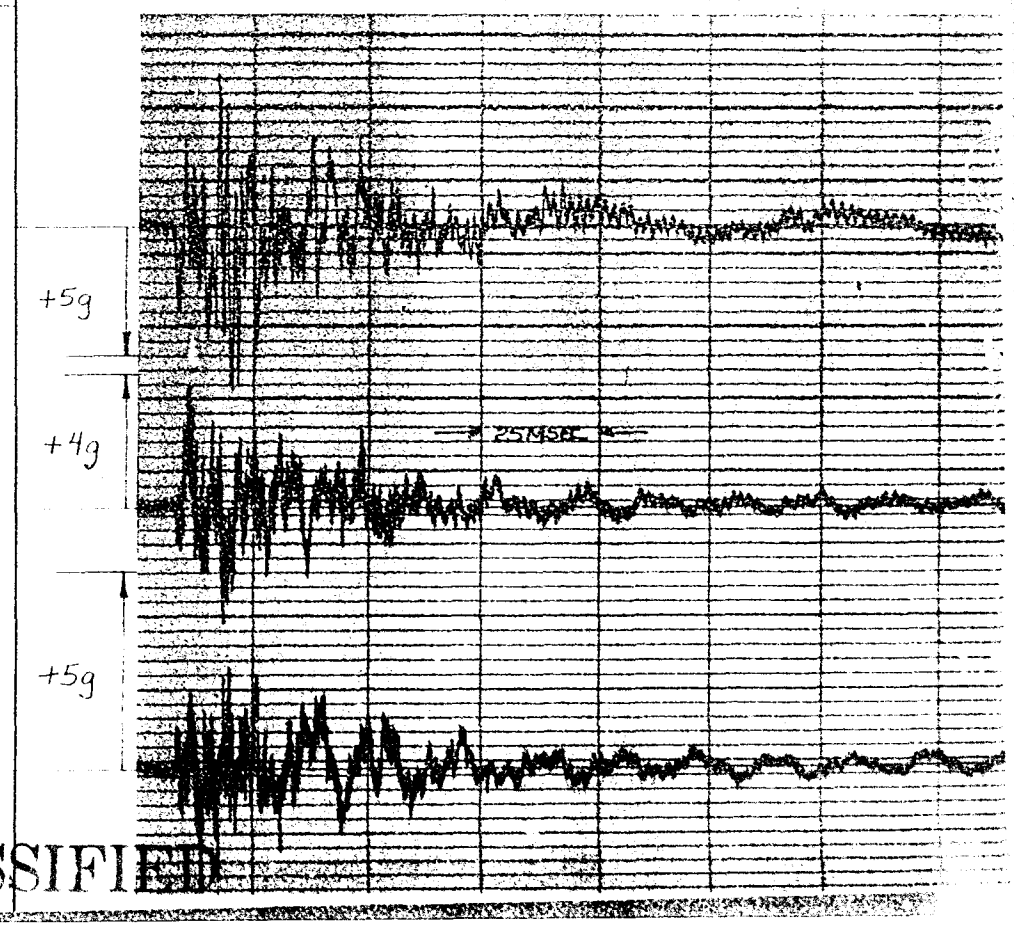

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TABLE VIII
Page 2
UNIT 2 TEST 8
OPERATION DA

Model	S/N Range, F_n	Duration (sec)	Rise (sec)	Max. − (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Page No.
ENDEVCO 2213C 35KC 500g	HD13	—	—	9.1	10.7	—	CENTER COMP. PLATE LONG.	A-4
	HD14	—	—	2.8	3.3	—	CENTER COMP. PLATE 0°-180°	A-5
	KA31	—	—	4.6	4.3	—	ADAPTER FLANGE LONG.	A-6

RECORD FILTERED TO 5KHZ.

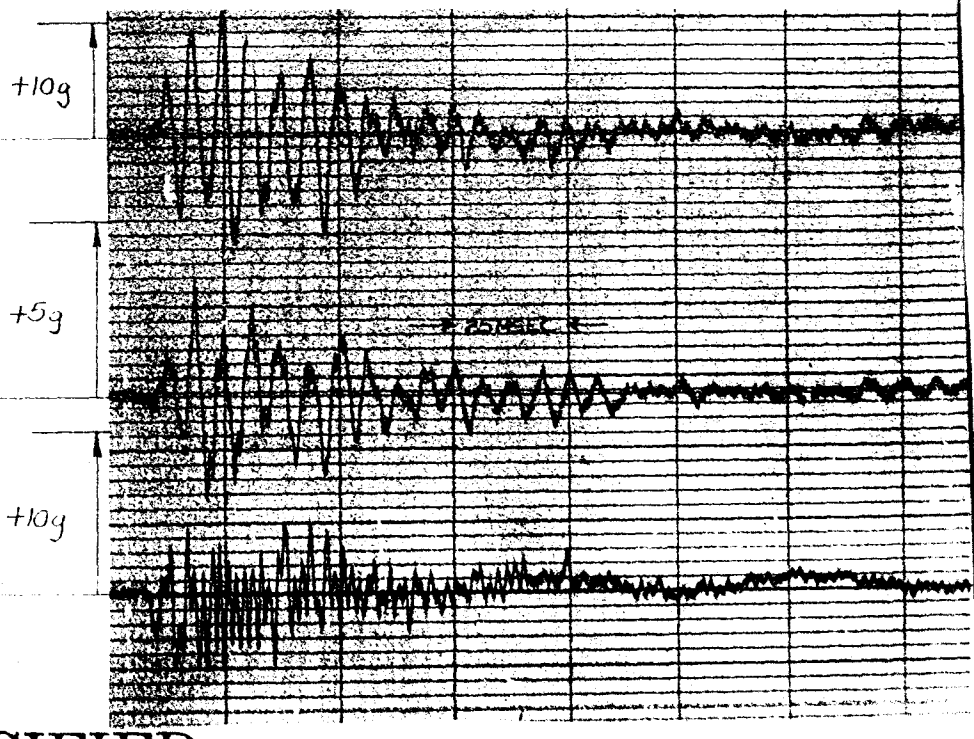

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TABLE VIII
Page 3
UNIT 2 TEST 8
[illegible] DATA

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[illegible], S/N Range, f_n		Duration (msec)	Rise (msec)	Max. − (g)	Max. + (g)	Faired (g)	Location and Sensing Dir.	Page No.
ENDEVCO 2213C 35KC 500g	HD22	—	—	13.0	15.2	—	TC159 LONG.	A-7
	HA21	—	—	6.7	5.5	—	TC159 0°-180°	A-8
	HD12	—	—	5.5	5.5	—	TC159 90°-270°	A-9

RECORD FILTERED TO 5 KHZ.

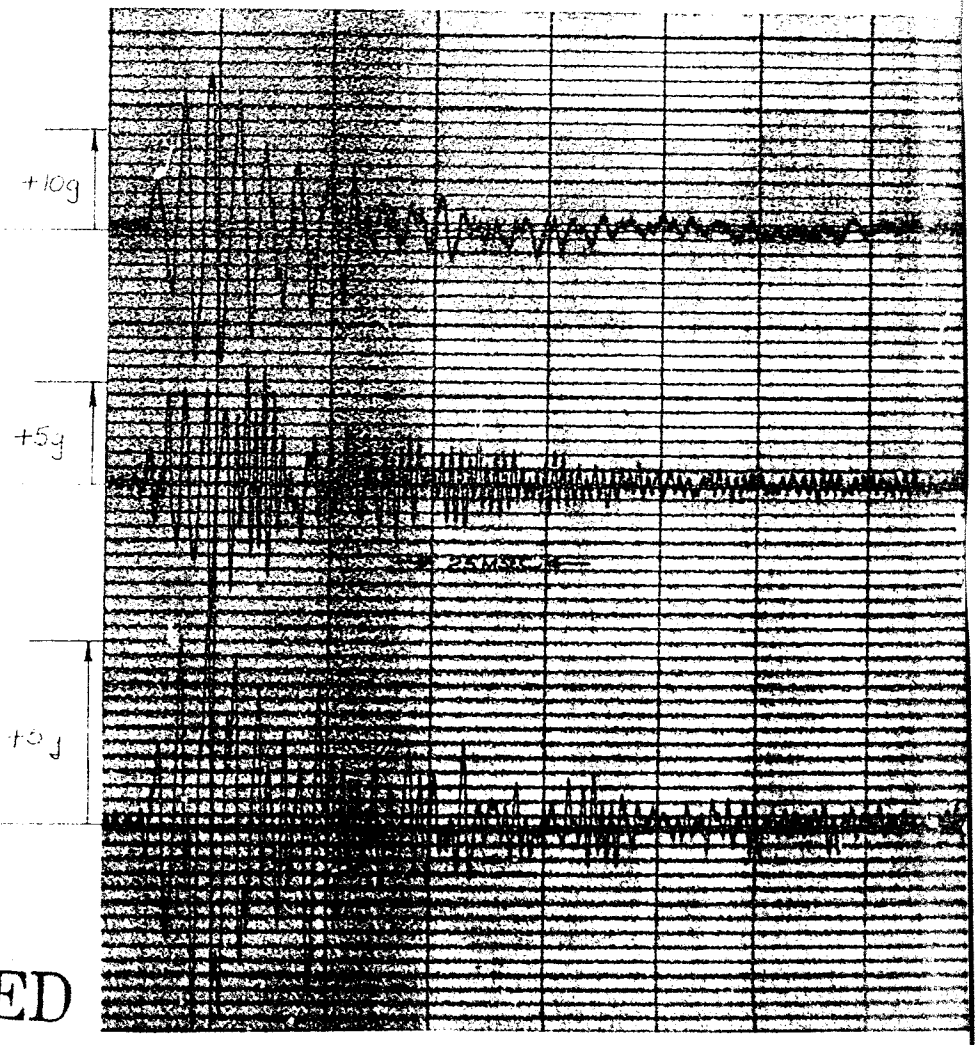

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TABLE VIII
Page 4
UNIT 2 TEST 8

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[illegible], S/N [illegible], f_n	[illegible] (sec)	[illegible] (sec)	[illegible] - (g)	[illegible] + (g)	Paired (g)	Location and Sensing Dir.	Gage No.
ENDEVCO F133 2213C 35KC 500g	—	—	3.8	4.7	—	90° COMP. PLATE LONG.	A-10
HD11	—	—	3.2	6.6	—	270° COMP PLATE LONG.	A-11
HD14	—	—	4.5	4.6	—	TELLER LIGHT LONG.	A-12

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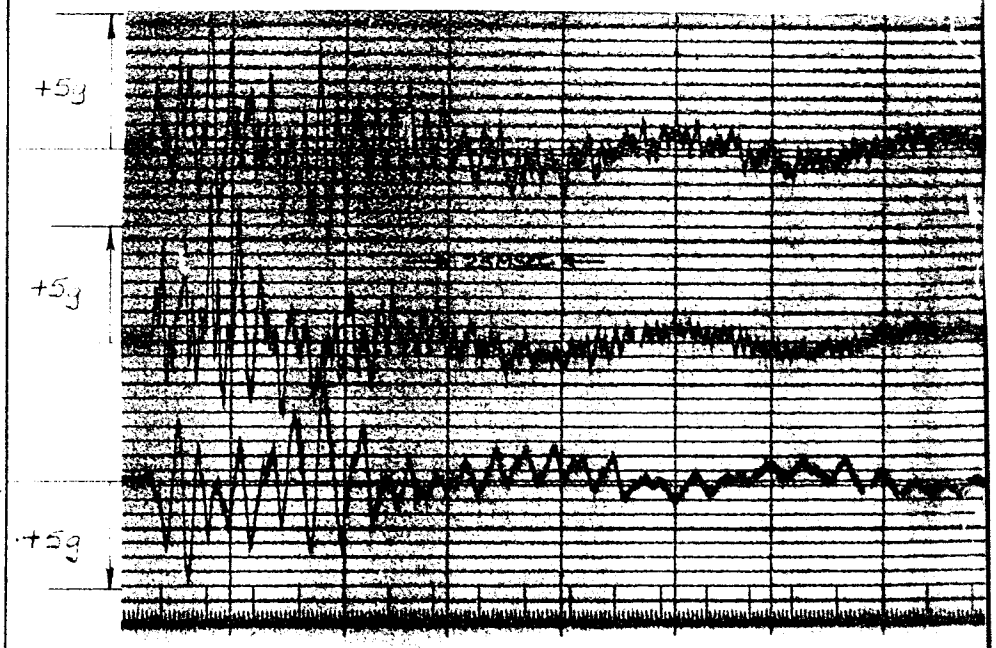
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