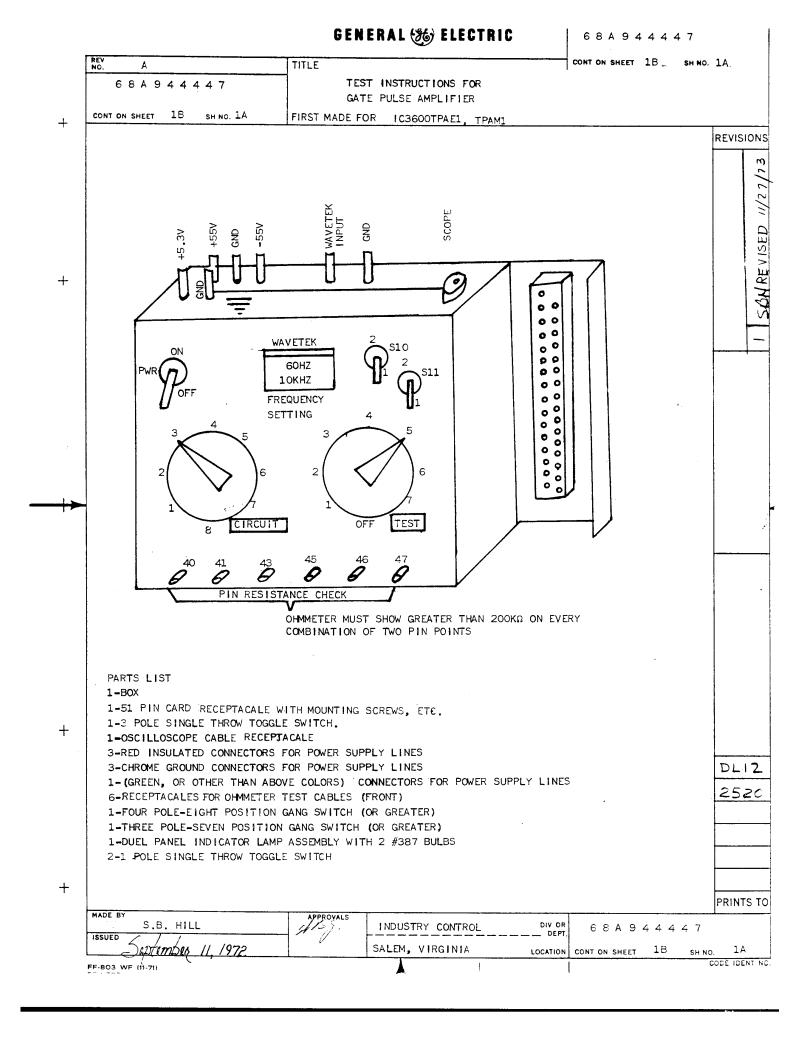
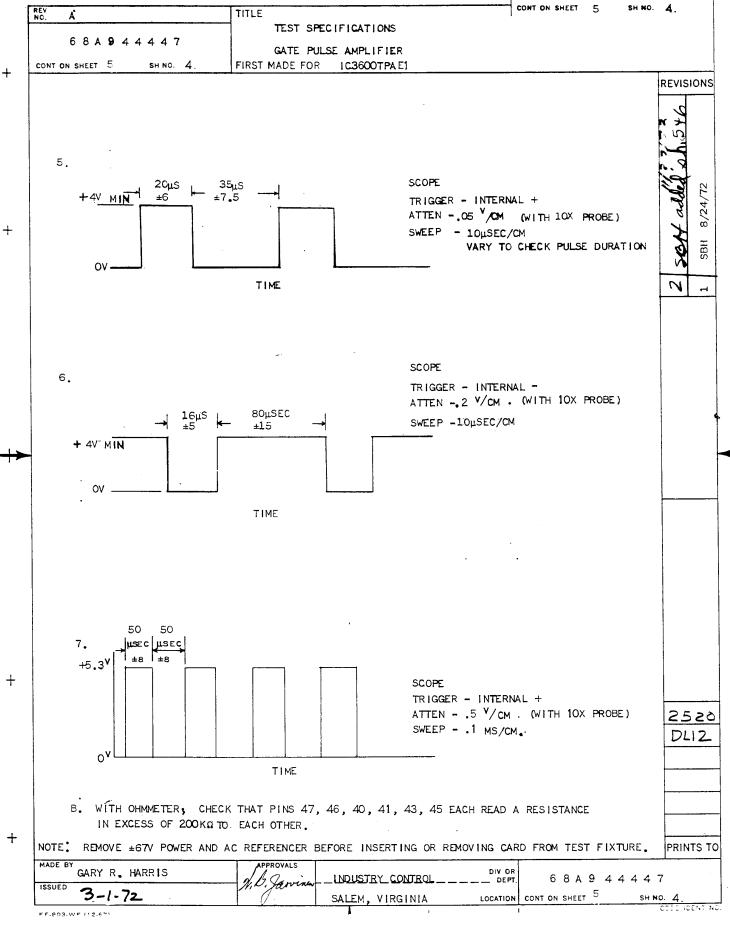
SH NO.



CONT ON SHEET 2 SH NO. 1 C REV NO. TITLE TEST INSTRUCTIONS FOR GATE PULSE AMPLIFIER 68A944447 CONT ON SHEET 2 SH NO. 1C FIRST MADE FOR 1C3600TPAE1 TPAM1 REVISIONS 1. NOTE PINS 40,41,43,45,46,47 ARE BROUGHT OUT TO FRONT JACKS WITH POWER SWITCH OFF, PLUG IN CARD AND CHECK PINS 40,41,43,45,46, AND 47 WITH OHMMETER. EACH PIN SHOULD READ IN EXCESS OF 200KΩ TO ALL OTHER PINS.AT. OHMMETER -"+". TO PIN 40 "-" TO PIN 41 THERE "+" TO 41 "-" TO 40, ETC. THERE ARE 30 CHECKS IN ALL. ADDED TPANITATOR, 2. REFER TO DRAWINGS 68A 944447 SHEETS 3 AND 4 (WHEN TESTING TPAE) REFER TO DRAWINGS 68A944447 SHEETS 5 AND 6 (WHEN TESTING TPAM) REFER TO DRAWINGS 68A 944636 SHEETS 3 AND 4 (WHEN TESTING TPAH) AND OBSERVE PROPER WAVEFORM ON SCOPE ACCORDING TO THE FOLLOWING SCHEDULE. FREQUENCY SETTING LIGHTS WILL INDICATE PROPER WAVETEK SETTING FOR EACH TEST. SET WAVETEK AMPL, 4VPP. SET S10 AND S11 TO POS 1 FOR ENTIRE TEST OF TPAB SET S10 PER TEST STEPS AND S11 TO POS 1 FOR ENTIRE TEST OF TPAE AND TPAM1 SET S10 AND S11 PER TEST STEPS FOR TPAH WAVETEK SHEET 3 OR 4 REFORM SW POS # CKT-TEST-STO-ST1 CKT-TEST-STO-ST1 CKT-TEST-SÎO-SÎ1 FREQ. WAVEFORM NUMBER 1 - 1 - 1 - 2 2 - 1 - 1 - 2 3 - 1 - 1 - 2 1 - 3 - 2 - 2 2 - 3 - 2 - 2 3 - 3 - 2 - 2 60HZ 6 - 1 - 1 - 2 4 - 3 - 2 - 2 5 - 3 - 2 - 2 6 - 3 - 2 - 2 60HZ 2 3 (+50V LEVEL) 1-0FF(0)-1 - 1 1 - 2 - 1 - 1 2 - 2 - 1 - 1 3 - 2 - 1 - 1 60HZ 5 - 2 - 1 - 1 60HZ 4 (-50V LEVEL) 4 - 2 - 1 - 1 6 - 2 - 1 - 110KHZ 5 7-OFF(0)-1 - 2 # (60HZ ON TPAH) 7 - 1 - 1 - 1 7 - 2 - 1 - 1 7 - 3 - 1 - 1 7 - 4 - 1 - 16 10KHZ 8 - 1 - 1 - 1 8 - 2 - 1 - 1 FOR TPAE, TPAM, TPAH INCLUDE NEXT 2 STEPS (TRIGGER ON CHAN A, CHAN"A" TO WAVETEK CHAN"B" 60HZ CHAN A. TPAM CHAN B. 1 - 3 - 2 - 2 2 - 3 - 2 - 2 3 - 3 - 2 - 2 TPA H CHAN B. CHAN A. 60HZ 5 - 3 - 2 - 2 6 - 3 - 2 - 2 4 - 3 - 2 - 2 CHAN B. TPAE + CHAN B. TPAH 2520 DL12 +PRINTS TO MADE BY DIV OR 68A944447 INDUSTRY CONTROL SALEM, VIRGINIA LOCATION CONT ON SHEET 2 1 C Distember 11, 1972 SH NO. CODE IDENT NO FE-803 WF (4.77

CODE IDENT NO.

6 8 A 9 4 4 4 4 7



CRE PULSE AMPLITIER  GATE PULSE AMPLITIER  GATE PULSE AMPLITIER  CATE PULSE AMPLITIER  GATE PULSE AMPLITIER  FIRST MADE FOR 1C3600TPAM1 OIL WELL DRILLING  RE  MAVE TEK CONDITION  1. FREQUENCY - 60HZ SQUARE WAVE, AMPLITUDE #4V  2. FREQUENCY - 10KHZ SQUARE WAVE, AMPLITUDE #4V  3. OFF  SW2 - OUT - OSCILLOSCOPE PICTURES  1.  20µSEC #50V  A10  SSOPE TRISGER-INTERNAL  ATTEN 2V/CM (VITH 10 FROBE) SWEEP - 2 MILLISEC.  SSOPE SETTINGS SAME AS ABOVE  4.0  SOOPE SETTINGS SAME AS ABOVE  1.  SOOPE SETTINGS SAME AS ABOVE  A10  SOOPE SETTINGS SAME AS ABOVE  DIV 01  BUSINESS SAME AS ABOVE  DRIVE SYSTEM DIV 01  BUSINESS SAME AS A 9 4 4 4 4 7  BUSINESS BUSINS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS		0 6 8	IERAL 🤲 ELECTRIC	•	6 8 A 9 4 4 4 4	7
FIRST MADE FOR ICSGOOTPAMI OIL WELL DRILLING  RE  MAVE TEX CONDITION  1. FREQUENCY - GONZ SQUARE WAVE, AMPLITUDE 44V  2. FREQUENCY - 10KHZ SQUARE WAVE, AMPLITUDE 44V  2. OFF SWZ - OUT - OSCILLOSCOPE PICTURES  1.  20usec 45  -50V  -8,35 MILLISEC.  8,35 MILLISEC.  90V  -50V  -5	REV NO. A	153			CONT ON SHEET 6 SH NO	. 5
MAVE TEX CONDITION  1. FREQUENCY - SOMZ SQUARE WAVE, AMPLITUDE ±4V  2. FREQUENCY - 104HZ SQUARE WAVE, AMPLITUDE ±4V  3. OFF SNZ - OUT - OSCILLOSCOPE PICTURES  1.  20µSEC 45  450  0V  8.35 MILLISEC.  8.35 MILLISEC.  8.35 MILLISEC.  9.04  8.35 MILLISEC.  8.35 MILLISEC.  9.05 SCOPE TRIGGER-INTERNAL ATTEN, - 2V/CM (NITH 10X PROSE) SNEEP - 2 MILLISEC/CM. (NARY TO CHECK PULSE WIDTHS)  5.04  8.35 MILLISEC.  8.35 MILLISEC.  9.50 SCOPE SETTINGS SAME AS ABOVE  1.  1.  2.  2.  2.  2.  2.  2.  2.  2.						
WAVE TEK CONDITION  1. FREQUENCY - 60HZ SQUARE WAVE, AMPLITUDE ±4V  2. FREQUENCY - 10KHZ SQUARE WAVE, AMPLITUDE ±4V  3. OFF SW2 - 0UT - OSCILLOSCOPE PICTURES  1.  20usec ±5 +50V  R.35 MILLISEC.  8.35 MILLISEC.  8.35 MILLISEC.  9.00 SCOPE TRIGGER-INTERNAL ATTEN 2V/CM (WITH 10K PROBE) SWEEP 2 MILLISEC/CM, (VARY TO CHECK PULSE WIDTHS)  SCOPE SETTINGS SAME AS ABOVE  A50V DC LEVEL  A50V DC LEVEL  A50V DC LEVEL  DRIVE SYSTEM  PRIVE SYSTEM  OV OR 6 S A 9 4 4 4 4 4 7	CONT ON SHEET 6 SH NO. 5	FIRST MADE F	OR IC3600TPAM1 OIL V	WELL DRILL	. I NG	
20µSEC  45  +50V  OV  R.35 MILLISEC.  SCOPE TRIGGER-INTERNAL ATTEN 2V/CM (WITH 10X PROBE) SWEEP - 2 MILLISEC/CM. (VARY TO CHECK PULSE WIDTHS)  SCOPE SETTINGS SAME AS ABOVE  AS OV  SCOPE SETTINGS SAME AS ABOVE  AS OV  B.35 MILLISEC.  SCOPE SETTINGS SAME AS ABOVE  A50V DC LEVEL  A50V DC LEVEL  PROVALS  DRIVE SYSTEM  DON OF BERN B A 9 4 4 4 4 7  SALEN  SALEN  DRIVE SYSTEM	<ol> <li>FREQUENCY - 60HZ</li> <li>FREQUENCY - 10KHZ</li> <li>OFF</li> </ol>	L SQUARE WAVE, A	MPLITUDE ±4V			
OV  8.35 MILLISEC.  8.35 MILLISEC.  8.35 MILLISEC.  9.30 MILLISEC.  SCOPE SETTINGS SAME AS ABOVE  8.35 MILLISEC.  8.35 MILLISEC.  9.30 MILLISEC.  8.35 MILLISEC.  9.30 MILLISEC.  8.35 MILLISEC.  9.30 MILLISE	1. 20μSEC ±5 ——>	58µSEC				
25µSEC ±10  SCOPE SETTINGS SAME AS ABOVE  8.35 MILLISEC.  3. +50V DC LEVEL  450V DC LEVEL  PRIVE SYSTEM DIV OR DEPT. 6 8 A 9 4 4 4 4 7  SALEN VA.	€— 8.35 MILL	SEC.	— 8,35 MILLISEC.		(WITH 10X PROBE)  SWEEP -  2 MILLISEC/CM.  (VARY TO CHECK	
APPROVALS  PRI  APPROVALS  DRIVE SYSTEM  DIV OR  DEPT.  68 A 9 4 4 4 4 7	25µSEC + 5 OV -50V	100	8.35 MILLISEC.		SETTINGS	
PRI  MADE BY S.B. HILL  APPROVALS  DRIVE SYSTEM  DIV OR  DEPT. 68 A 9 4 4 4 4 7  SALEM VA						DL
ISSUED / 1371 78 1973 SALEW MA	MADE BY S.B. HILL	1/0	DRIVE SYSTEM			PRI
	ISSUED /WU, 28 1973		SALEM, VA.	-	6	, 5

