OCT·13 80 37441

STANDARD HRS. 10.6 TIME 11A M

( ) KY-787-S (S) FWP 9/18/80
( ) ( ) (XOB-17: 3/4
( ) ( ) N-32-D & 240
( ) ( ) MIN STRIKE)
TYPED BY: FWP 9/18/80

OK

Homog # 3 - 1st Pass
4 - 2nd "

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13092	4200
14	YC002B	93		
14	YC002B	93		

TOTAL EST'D WGT 5845 NON-BLEEDING

EQUIP		NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203 & 205	1	RUN 60"(990 GAL) WATER INTO V-203 WITH AGITATOR ON HIGH SPEED & ADD CAUSTIC	40	7-D	20
	2	WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	32-D	420
	3	DUMP IN CHROME YELLOW & STIR 5 MIN SAMPLE	84X50	YC-2-B	4200
		RECORD: START 12 30 FIN 2 30 13092	4200		
1					
SAMPLE	4	ADJUST TO 75" (1275 GAL)			
	5	WITH AGITATOR ON LOW SPEED PUMP V-203 THRU HOMOG AT 2400-2600 PSI INTO V-205			
	6	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN HOT WATER AT 2400-2600 PSI INTO V-205			
	7	RECORD:V-205 VOL. 50 " & ADJUST TO 60"(2100 GAL)			
	8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
208 & SV	9	RUN 4 "(200 GAL) WATER INTO V-246 START AGITATOR & INSTALL TEMP CHART			
	10	PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV. RECORD: TIME START 10:30P TOTAL MINUTES 120			
2		NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI, 3-WAY VALVE WILL RECIRCULATE SLURRY TO V-205			
	11	WHEN V-205 MT, RUN IN 5"(240 GAL) WATER & PUMP THRU HOMOG AT 4800-5200 PSI INTO SV			
349 & 384	12	WHILE HOMOG, RUN 6" (284 GAL) WATER INTO V-349			
	13	RUN 1000# WATER INTO V-384 & HEAT TO 110-120*F			
	14	WEIGH INTO V-384 & PUMP TO V-349	2415	32-D	2415
	15	RUN 1000# WATER INTO V-384 & PUMP TO V-349			
3	16	ADJ V-349 TO 17" (805 GAL) & STIR 15 MIN			
	17	RECORD DENSITY: 1.105 G/ML (1.103-1.105)			
SV	18	WHEN S-11 HOMOG COMPLETE, (ADJ SV TO 24"(2420 GAL) (ADJ V-246 → 48" 4890 gal)			
Sample 4	19	RECORD: PH 10.6 & ADJ TO 11.1-11.3 WITH CAUSTIC AT 5% (10 PARTS WATER TO 1 PART N-7-D) ASSUME 50%	20	7-D	10
2 QUARTS		SIPHON N-7-D INTO SV & RECORD: PH 11.3			
	20	HEAT TO 190-194*F IN 55-65 MIN & REC:HT 194 *F & RECORD: 194 *F NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON ON COMPLETION OF HEATING			
343 & 386	21	WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO V-343 & METER IN SULFURIC ACID FROM V-386 MK 62, 8951#/GAL, 40.3 GAL		27-D	361
	22	STIR 15 MIN OR LONGER			
5	23	RECORD: DENSITY 1.025 G/ML (1.023-1.025)			

EQUIP		PAGE 2 CG 03 KY-787-D EST WGT 5845# V-246	USE LBS	N-1 CODE	USE LBS
	24	WHEN S 20 HEATING COMPLETE, RECORD: PH 9.8			
	25	SET V-343 ACID PUMP AT 49 SETTING (285 MIN)			
	26	SET V-349 SILICATE PUMP AT 38 SETTING (240 MIN)			
	27	IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV			
SV		AT 190-194*F DURING STRIKE			
	28	RECORD: START FINISH MINUTES			
		V-343 2:45A 7:25 AM 285			
		V-349 2:45A 6:45A 240			
		V-343 V-349 SV NORMAL			
		TIME INCHES INCHES PH PH			
		AT 20 MIN 3:05A (37) 37 (16) 16 9.6 (9.3-10.0)			
		40 MIN 3:25A (34) 34 (14) 14 9.6 (9.3-10.0)			
6		1 HR 3:45A (31) 31 (13) 13 9.6 (9.3-10.0)			
		2 HR 4:45A (23) 23 (9) 9 9.4 (9.3-10.0)			
		3 HR 5:45A (15) 15 (4) 4 9.4 (9.3-10.0)			
		4 HR 6:45A (6) 5½ (0) 0 9.4 (9.3-10.0)			
		FINISH 7:25A 0) 0 9.7 (7.5-8.5)			
		NOTE: IF PH DROPS BELOW 9.3 IN FIRST HOUR, STOP			
		PUMPS & SEE SUPV. IF FINAL PH IS ABOVE			
		8.5, ADJ TO 7.5-8.5 ASSUME 77%	_____	27-D	_____
330	29	RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO			
7		160-170*F			
	30	ADD DRESINATE "X" IN 12-13 MIN	600	530-A	600
	31	STIR 5 MIN & RECORD: PH 10.4 (9.5-10.5)			
	32	STIR 20 MIN OR LONGER FOR S-45			
385	33	RUN 40"(308 GAL) WATER INTO V-385 & HEAT TO			
8		135-140*F			
	34	DUMP IN ALUM & STIR TO DISSOLVE FOR S-41	280	15-A	280
302	35	ADD 42" (513 GAL) WATER TO V-302			
9	36	ADD & STIR 2 MIN FOR S-43 ASSUME 50%	320	7-D	160
SV	37	WHEN V-349 MT, RINSE IN WITH MINIMUM WATER &			
		SET PUMP AT ZERO SETTING			
10	38	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &			
		TURN OFF PUMP MOTOR			
	39	TURN OFF STEAM			
	40	SIFT IN BLANC FIXE	200	128-A	200
	41	RUN IN V-385 FROM S 34 & STIR 5 MIN			
	42	RECORD: PH 3.9 (3.7-4.2)			
	43	RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5			
		MIN			
	44	RECORD: PH 9.4 (9.0-9.5) & IF NECESSARY ADJ TO			
		PH 9.0-9.5. RECORD: PH____ ASSUME 77%	✓	27-D	_____
		DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50%	✓	7-D	_____
		SIPHON N-7-D INTO SV			
	45	RUN IN V-330 THRU 20 MESH SCREEN & STIR 20 MIN			
330	46	RUN 11" (216 GAL) WATER INTO V-330			
11	47	DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48	230	20-A	230
SV	48	RUN V-330 INTO SV IN 15-20 MIN			
12	49	STIR 15 MIN & RECORD: PH 9.3 (9.0-10.0)			
Sample & Quarts	50	DO NOT STOP AGITATOR			
		START FINISH OPERATOR			
		3 PM 11 PM 54-120			
		11:00 PM 7:00 AM 320-244			
		2/22 9:30 223			

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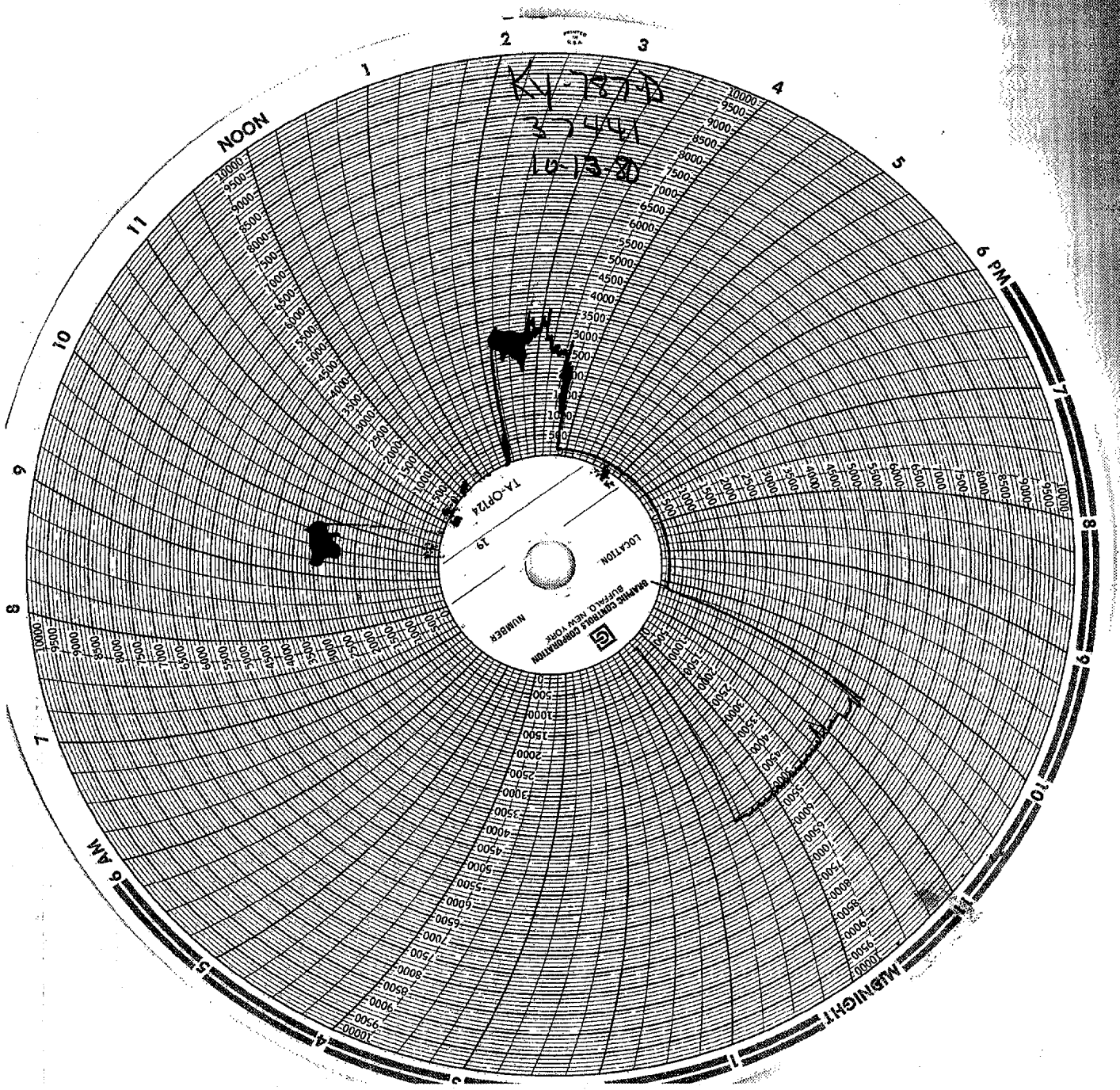

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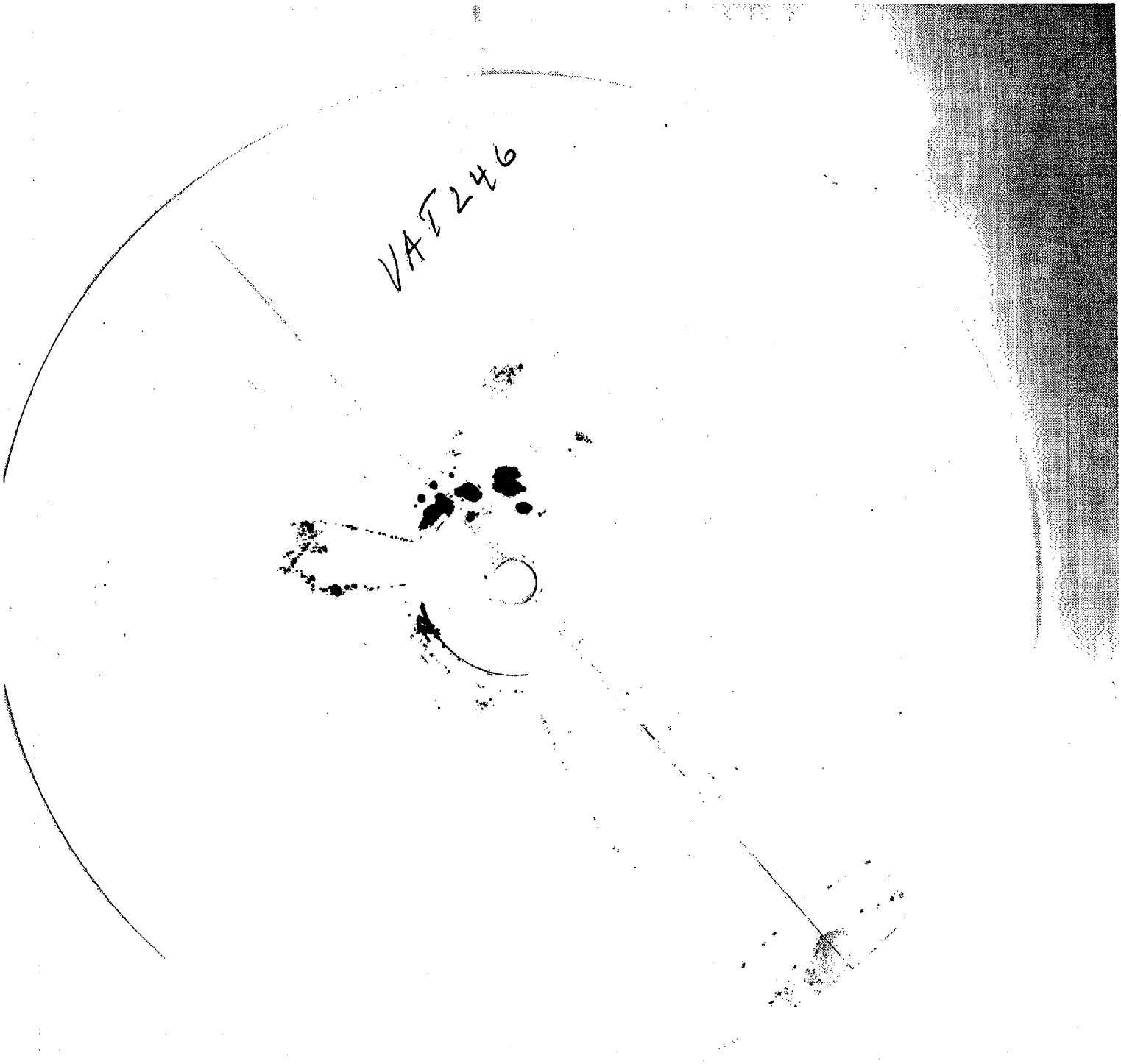

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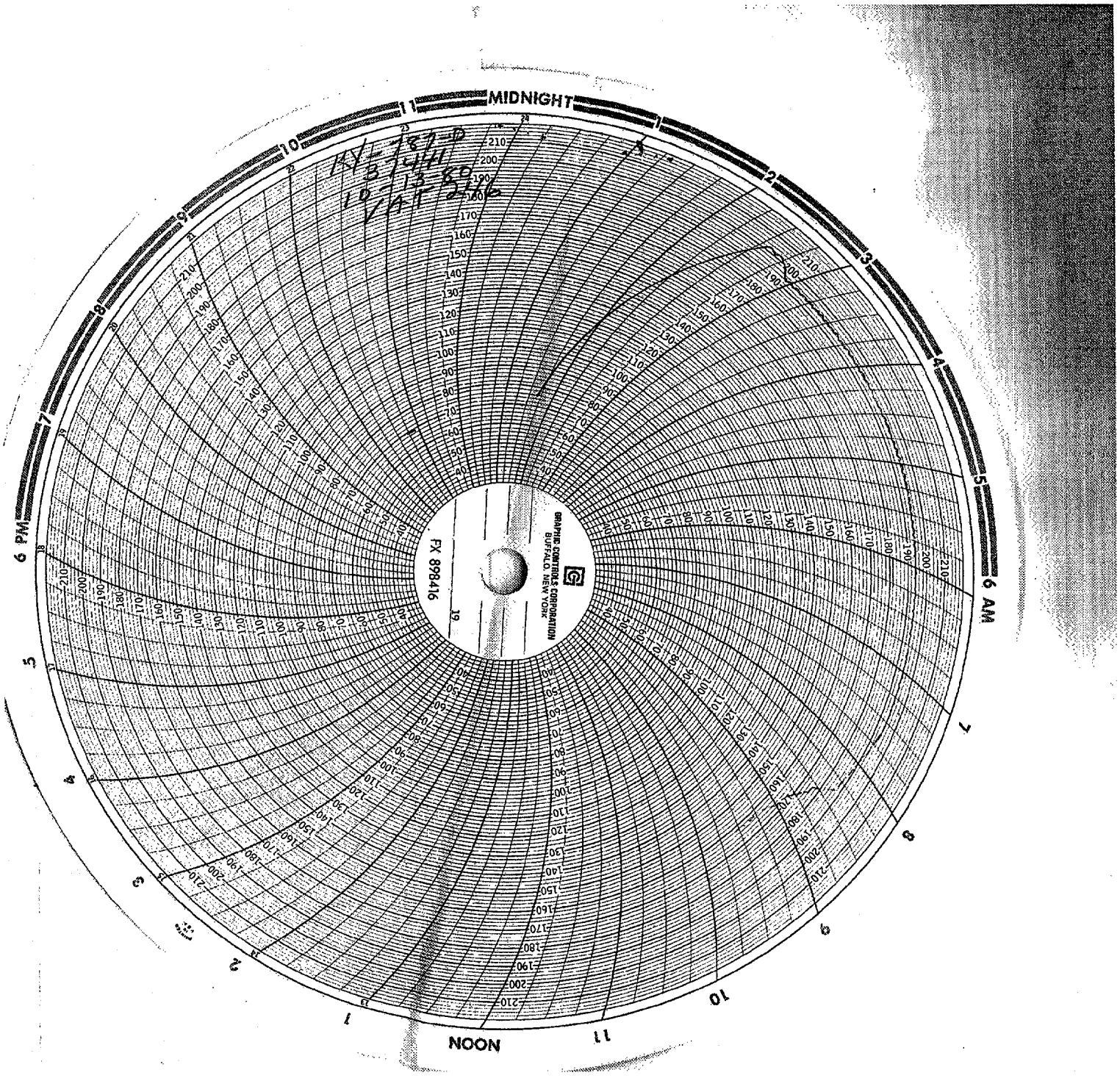

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