

COLORADO WELL LOGGING, INC.

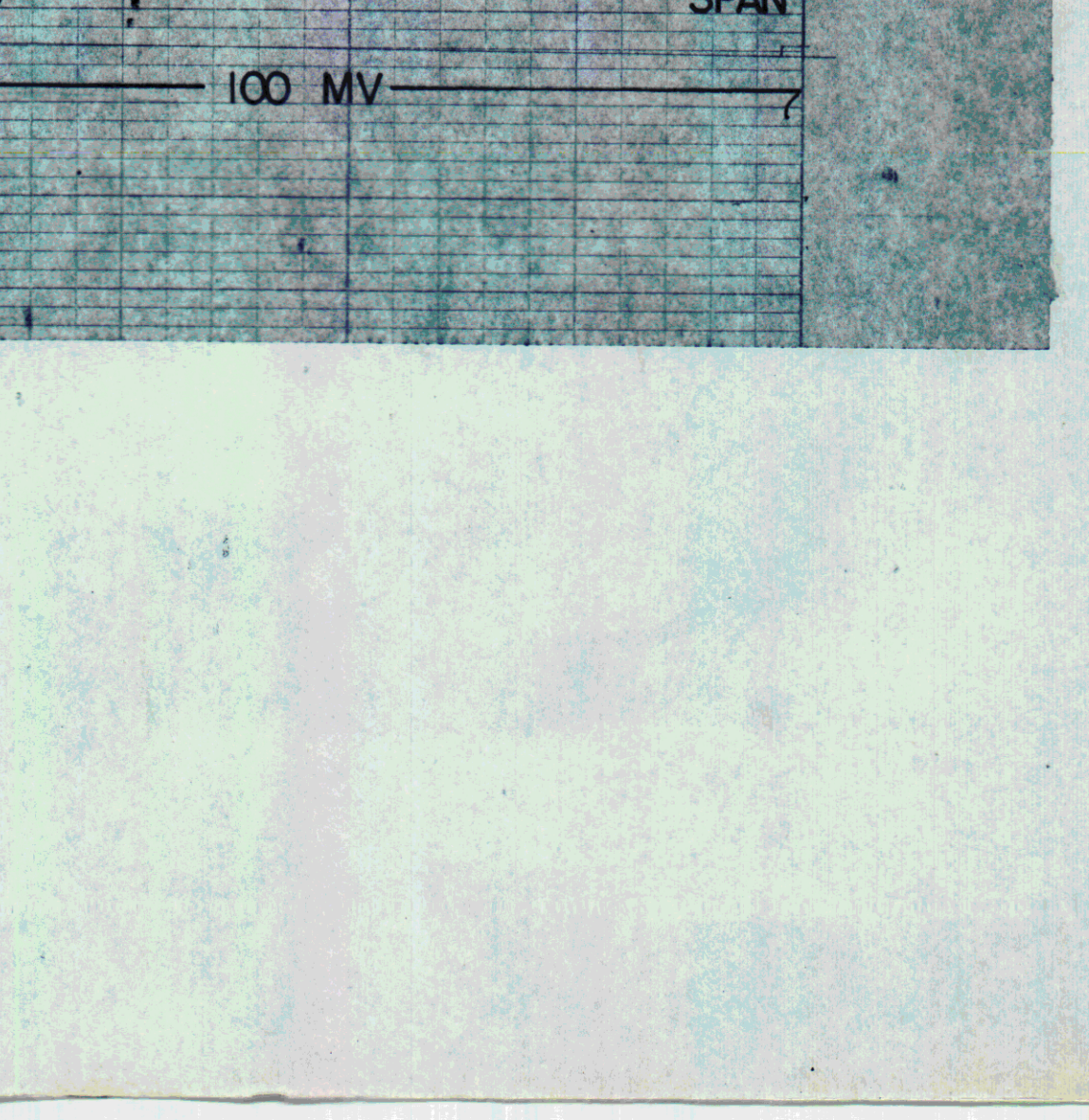
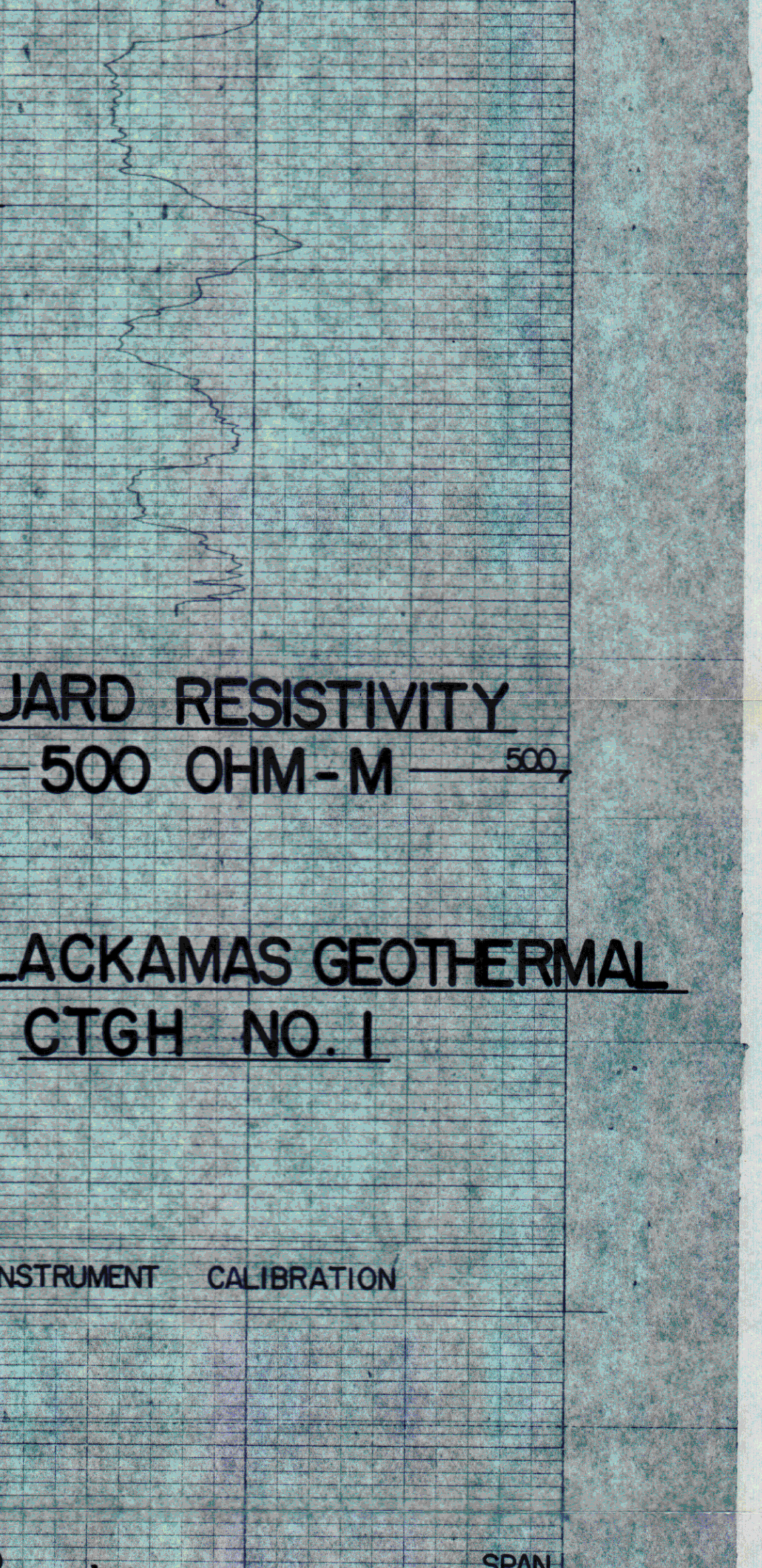
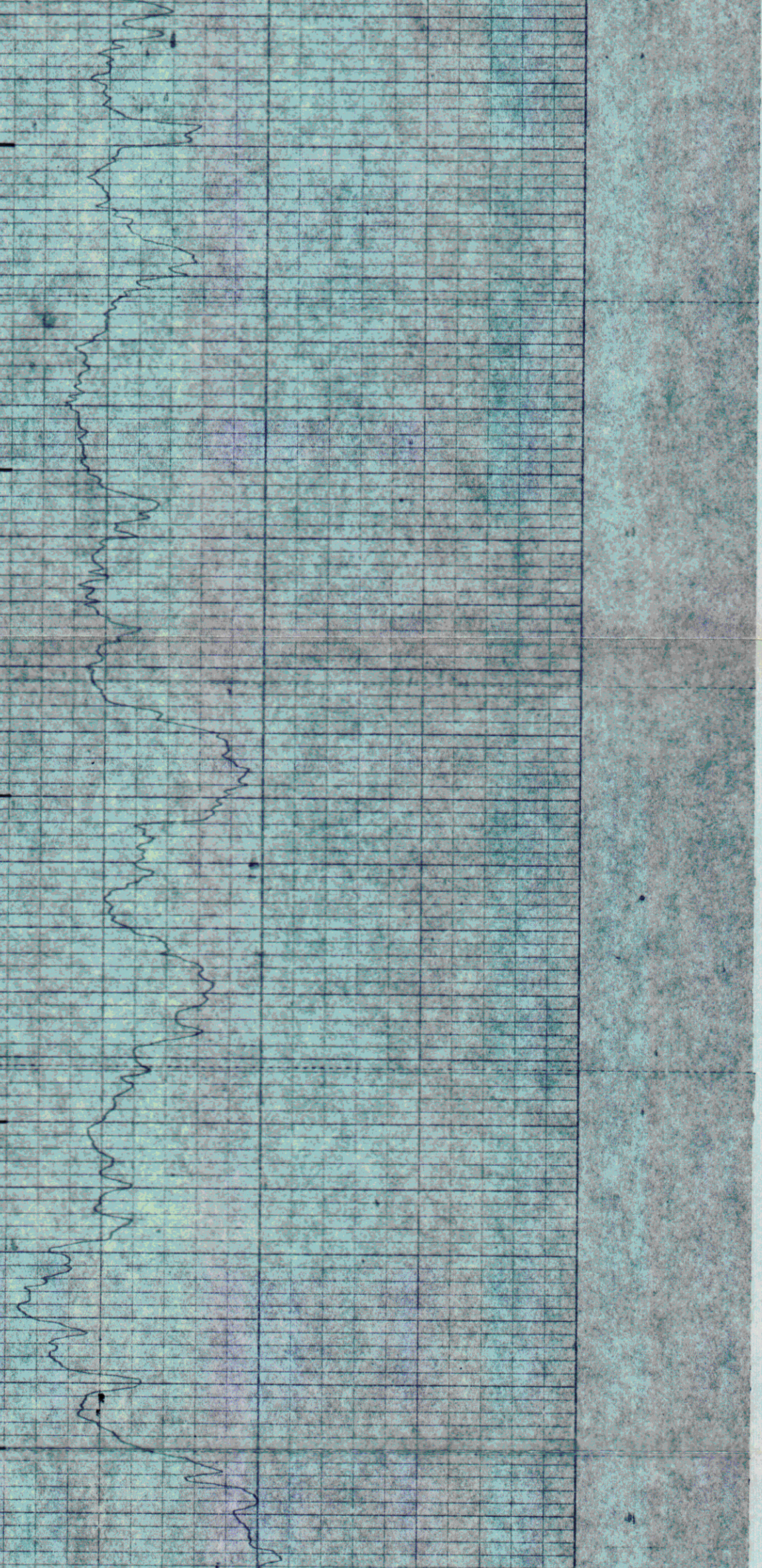
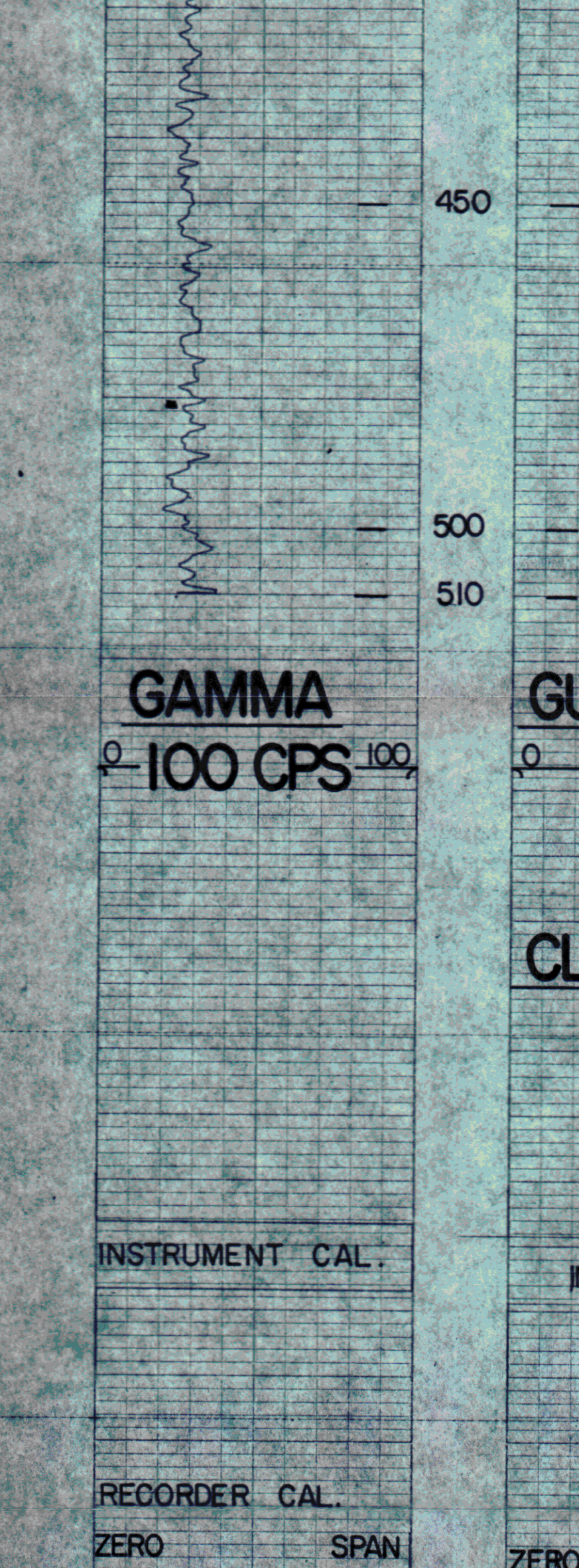
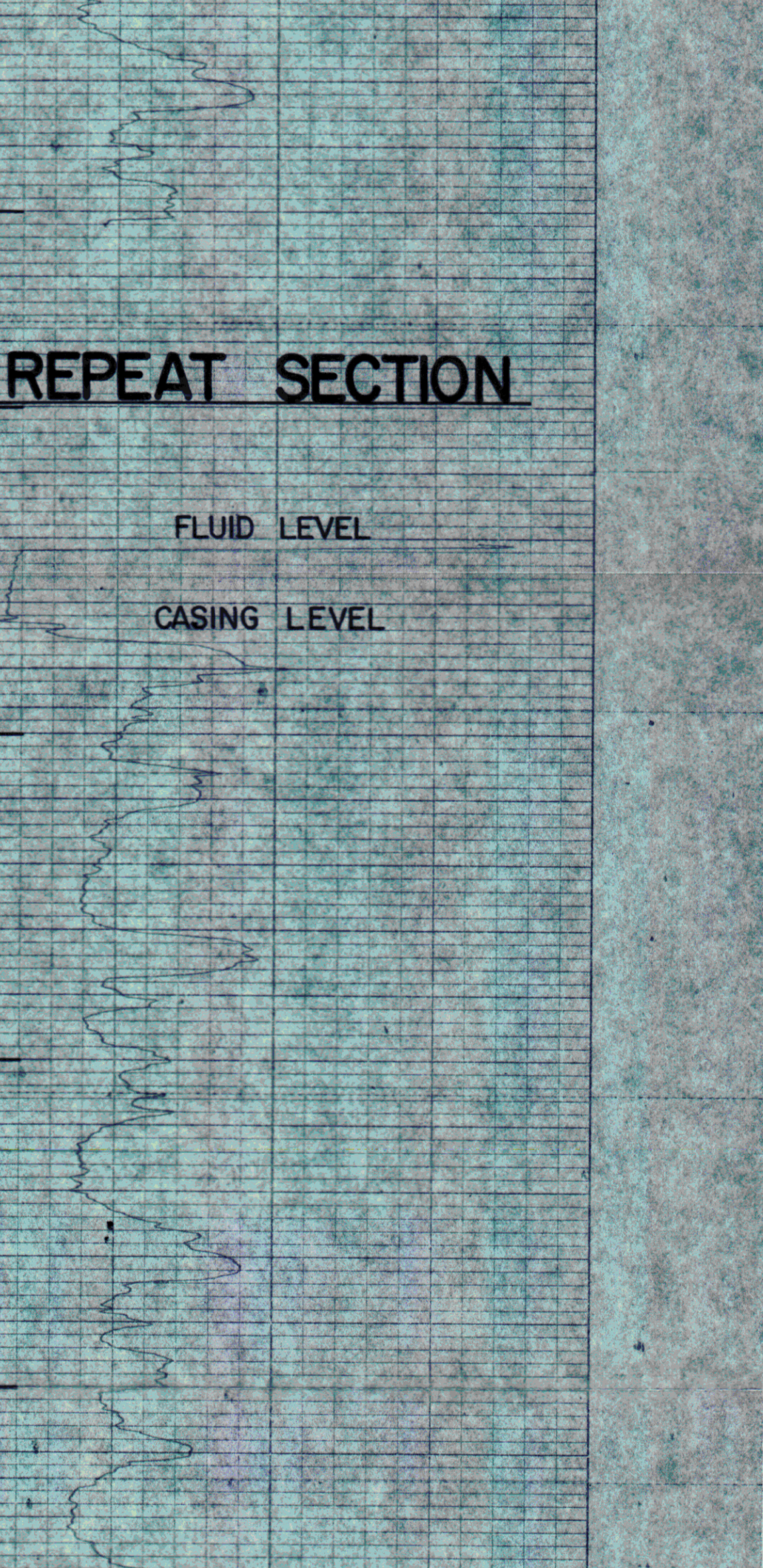
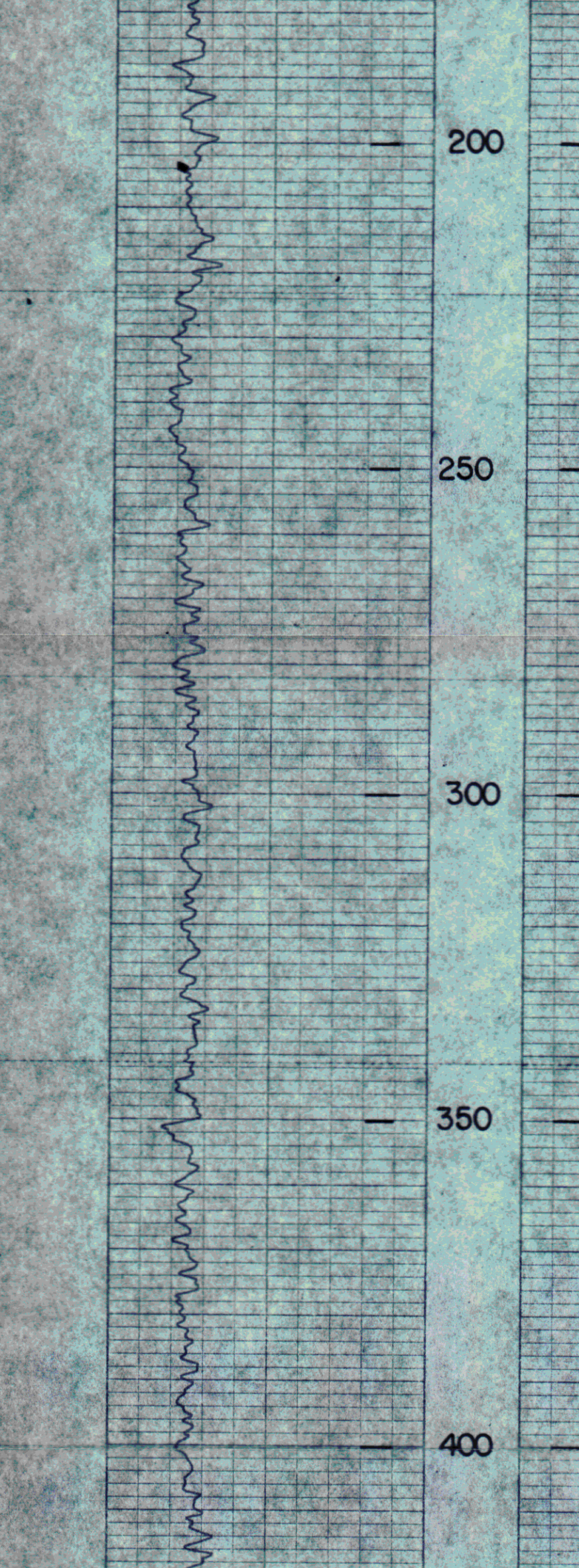
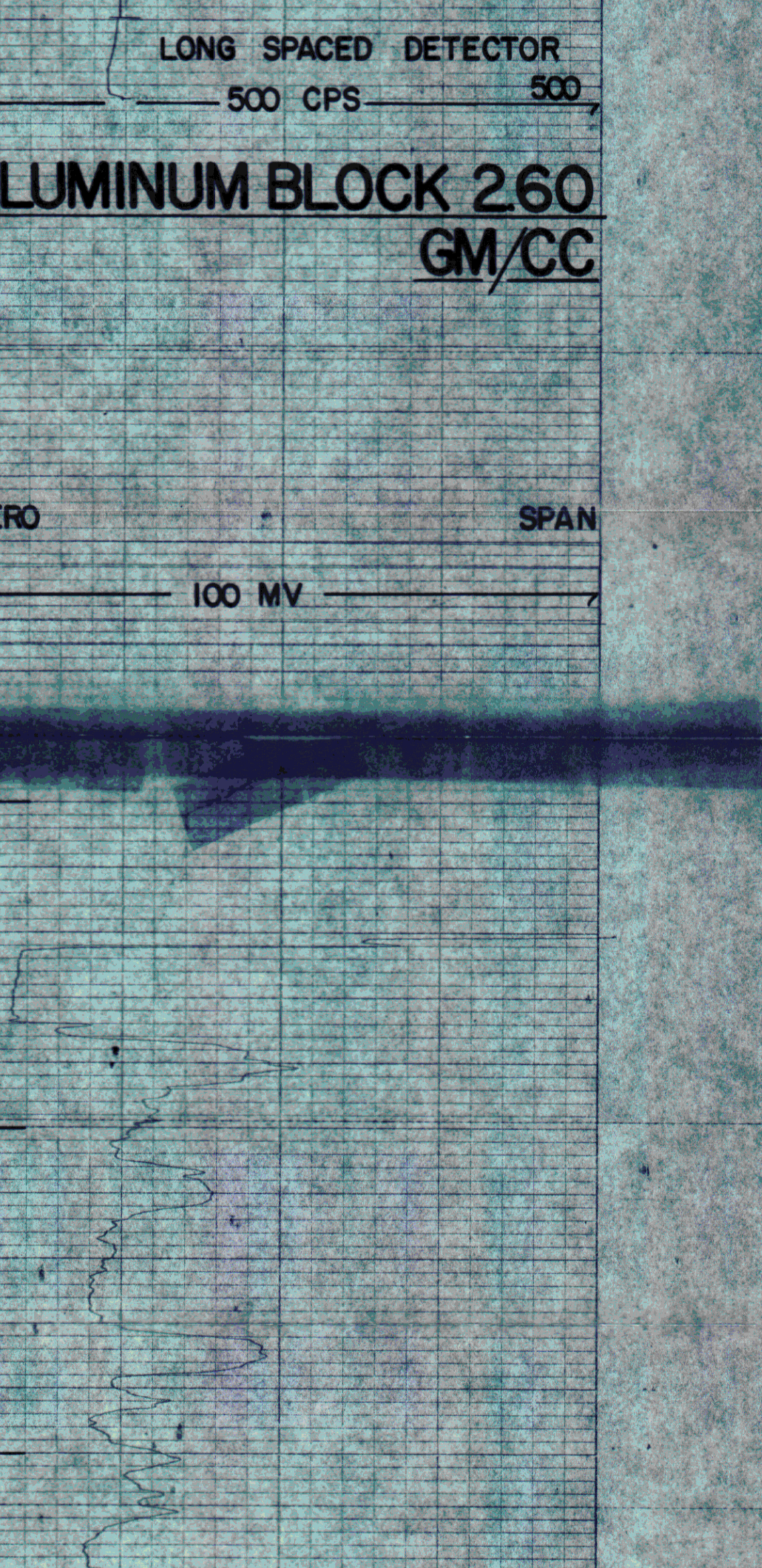
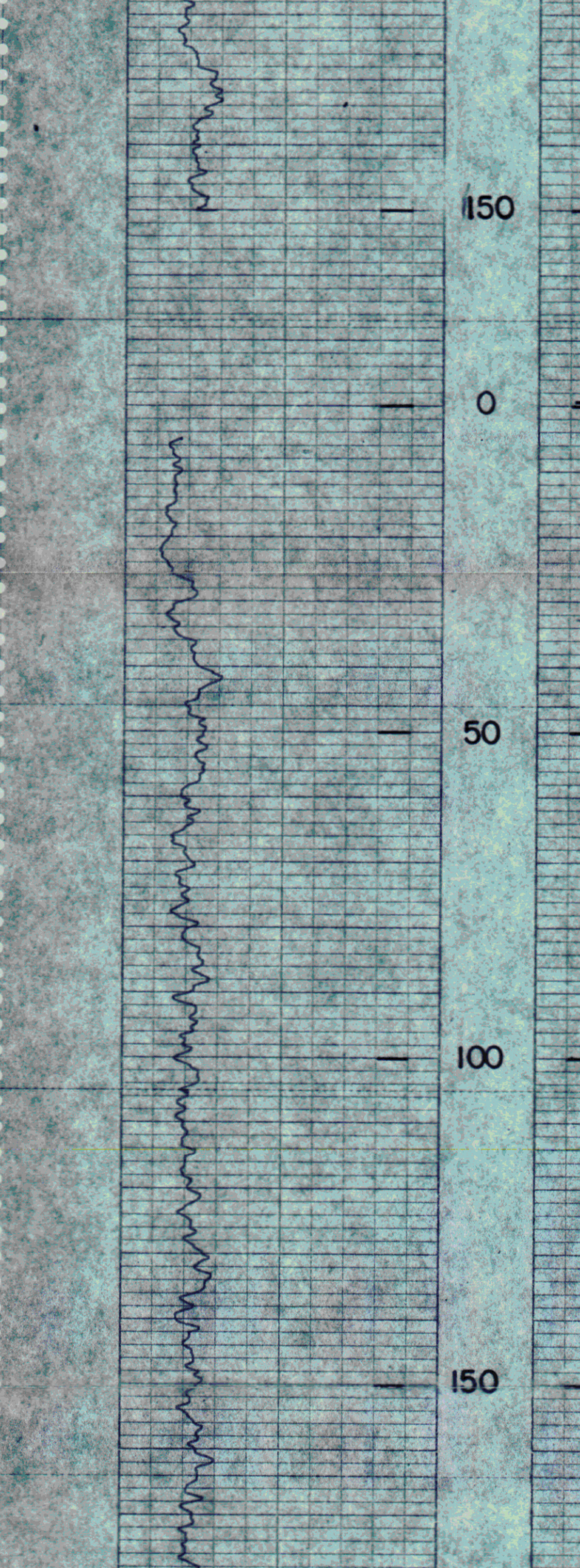
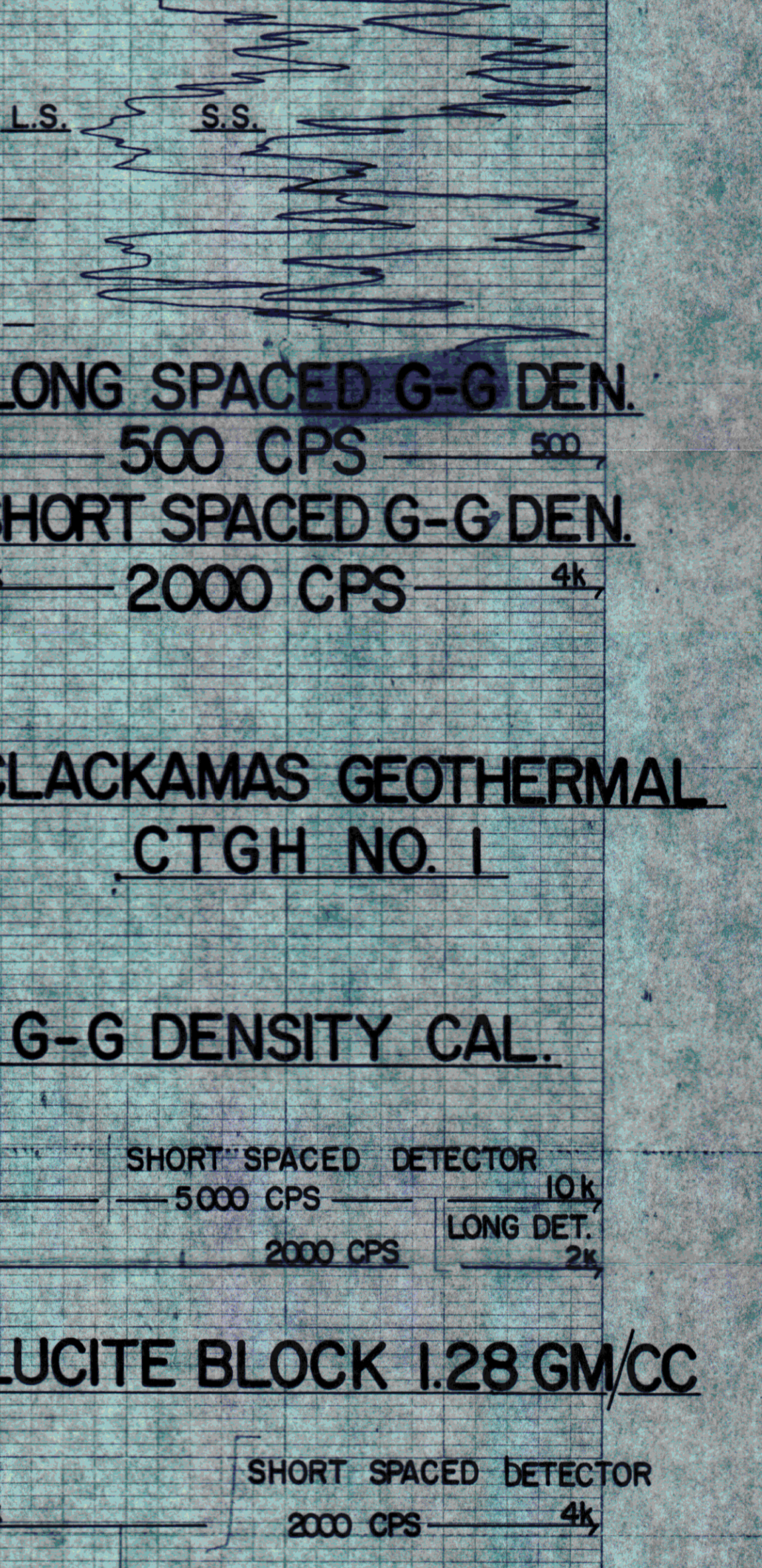
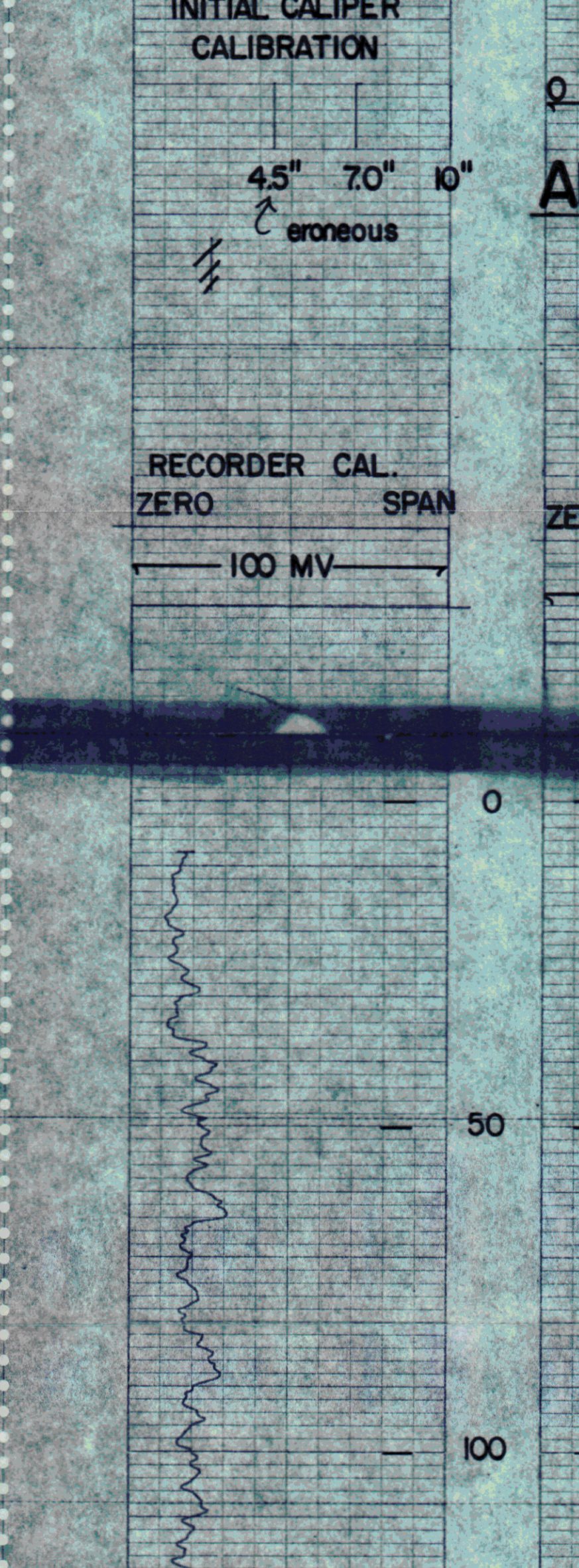
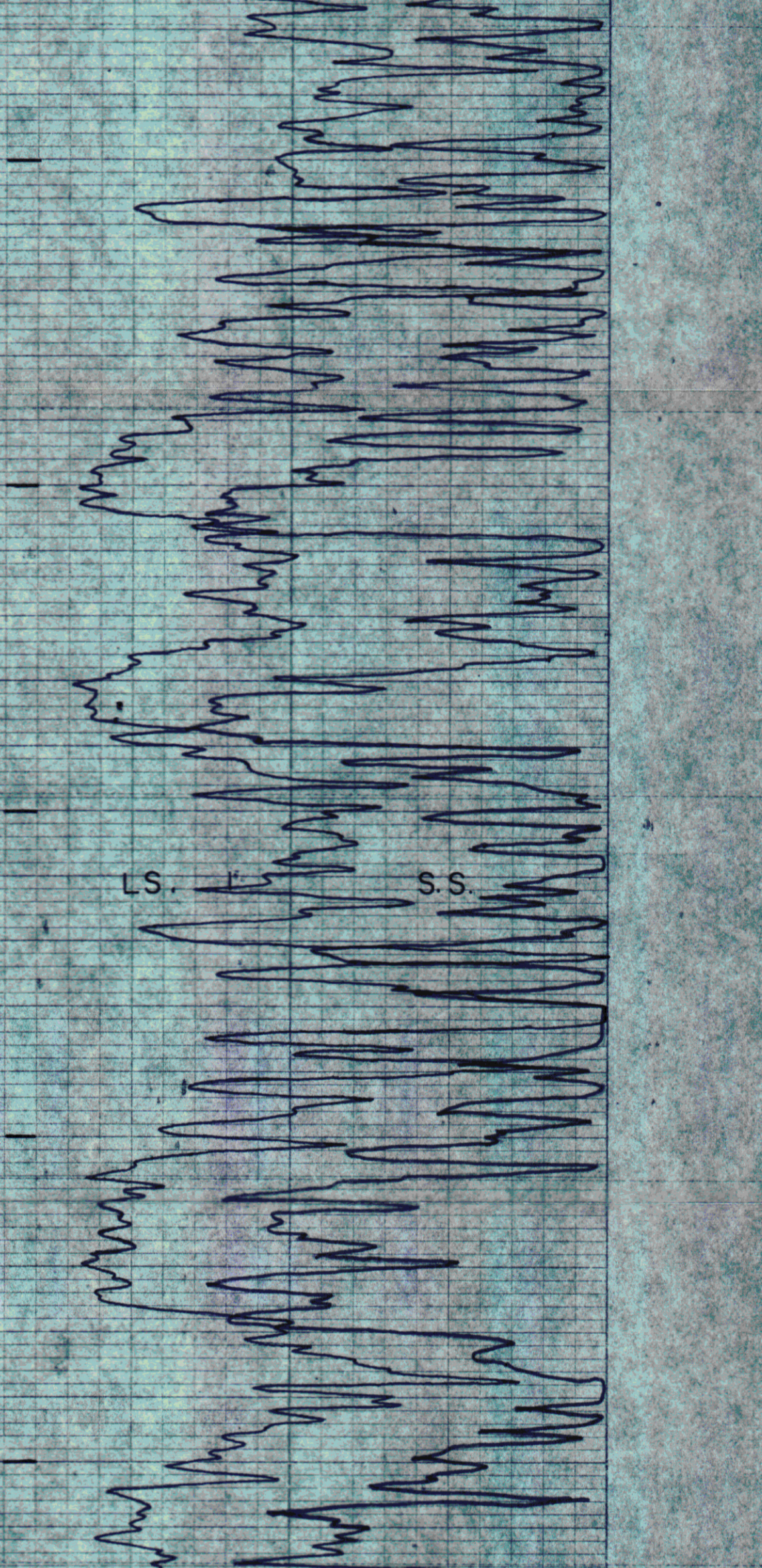
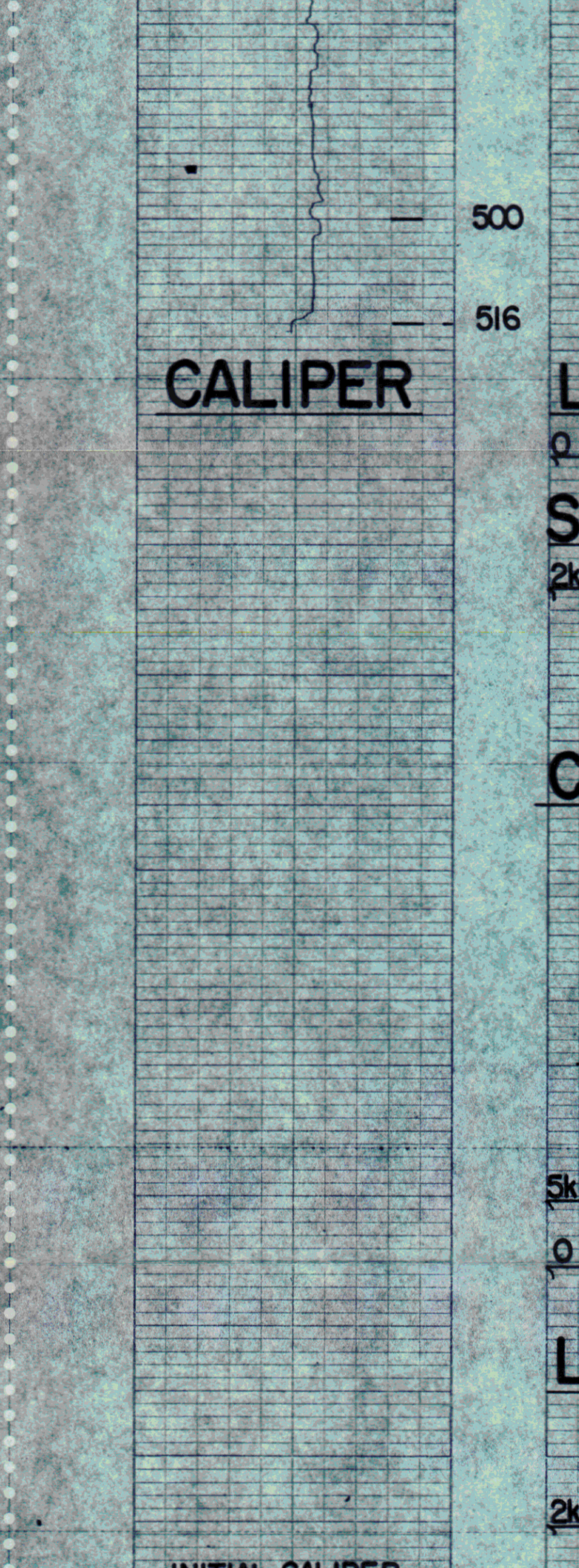
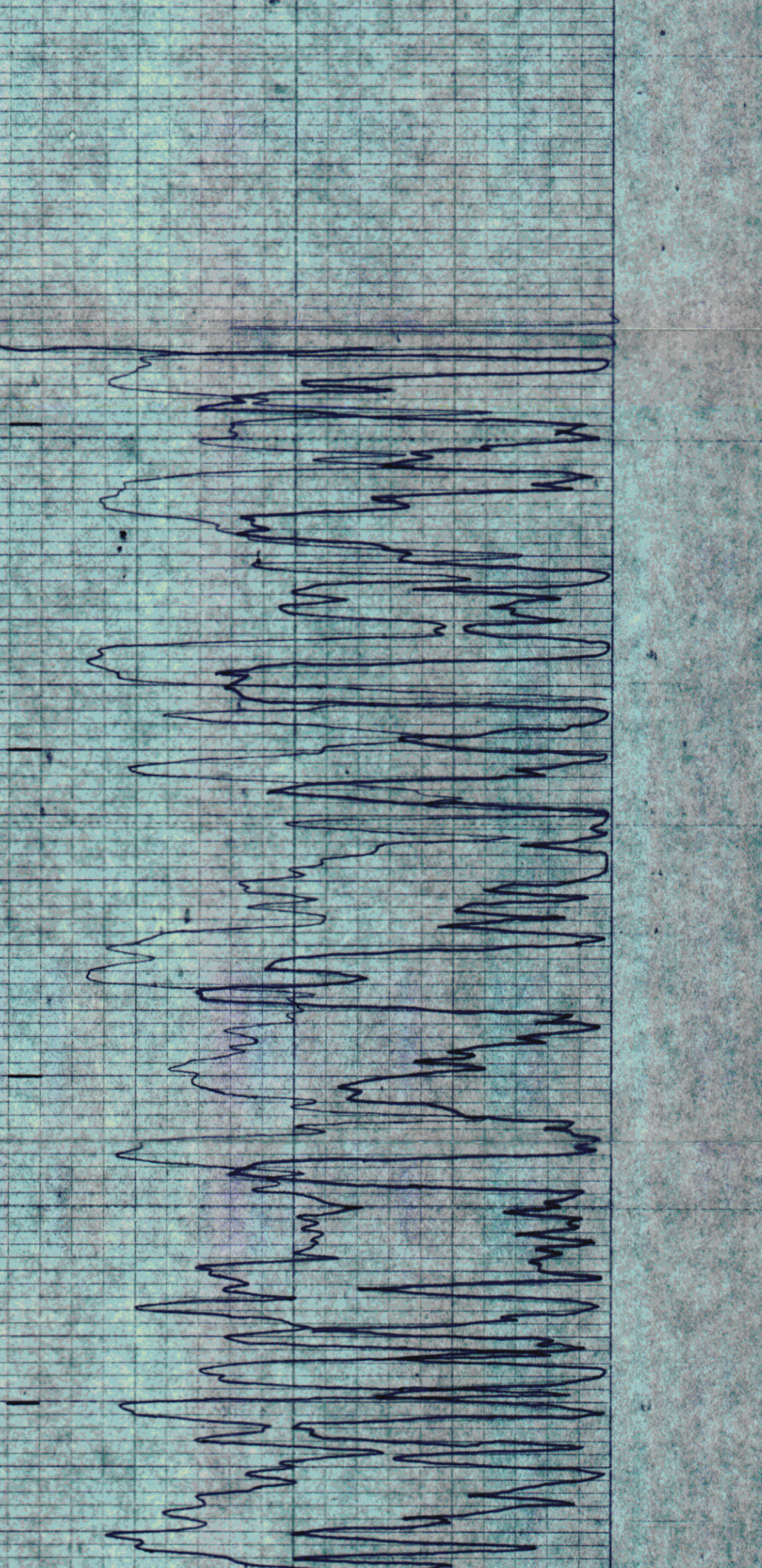
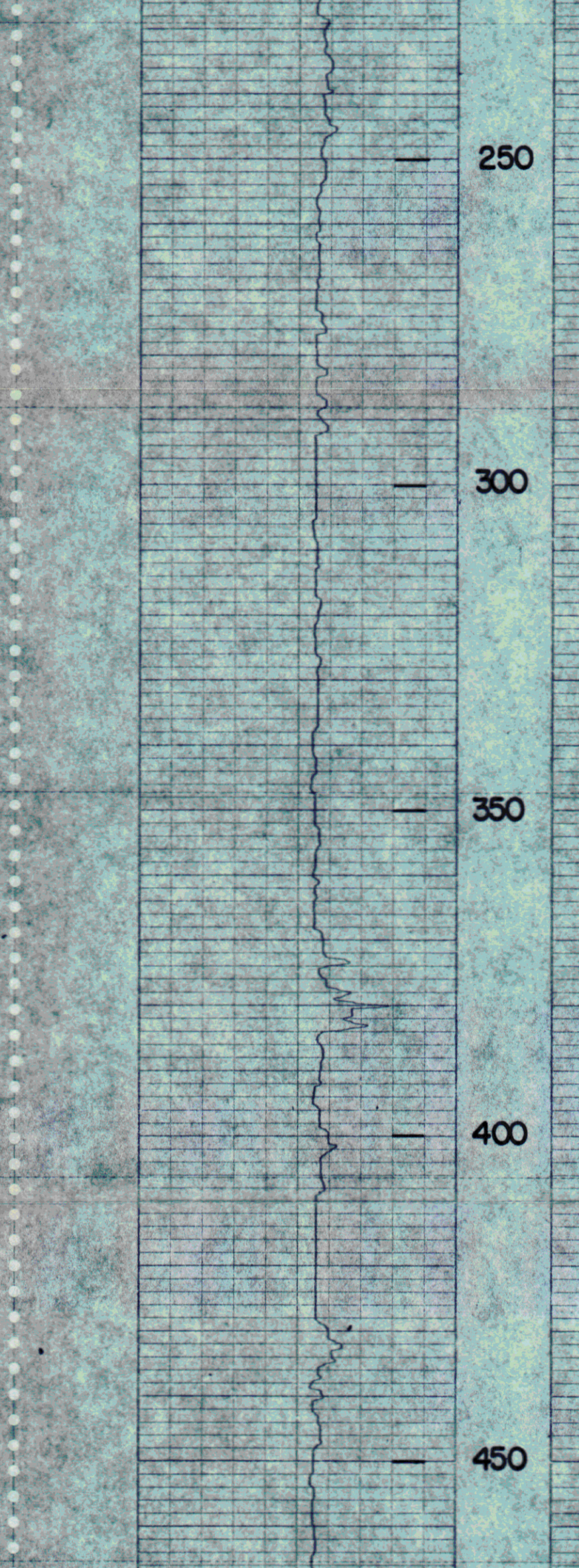
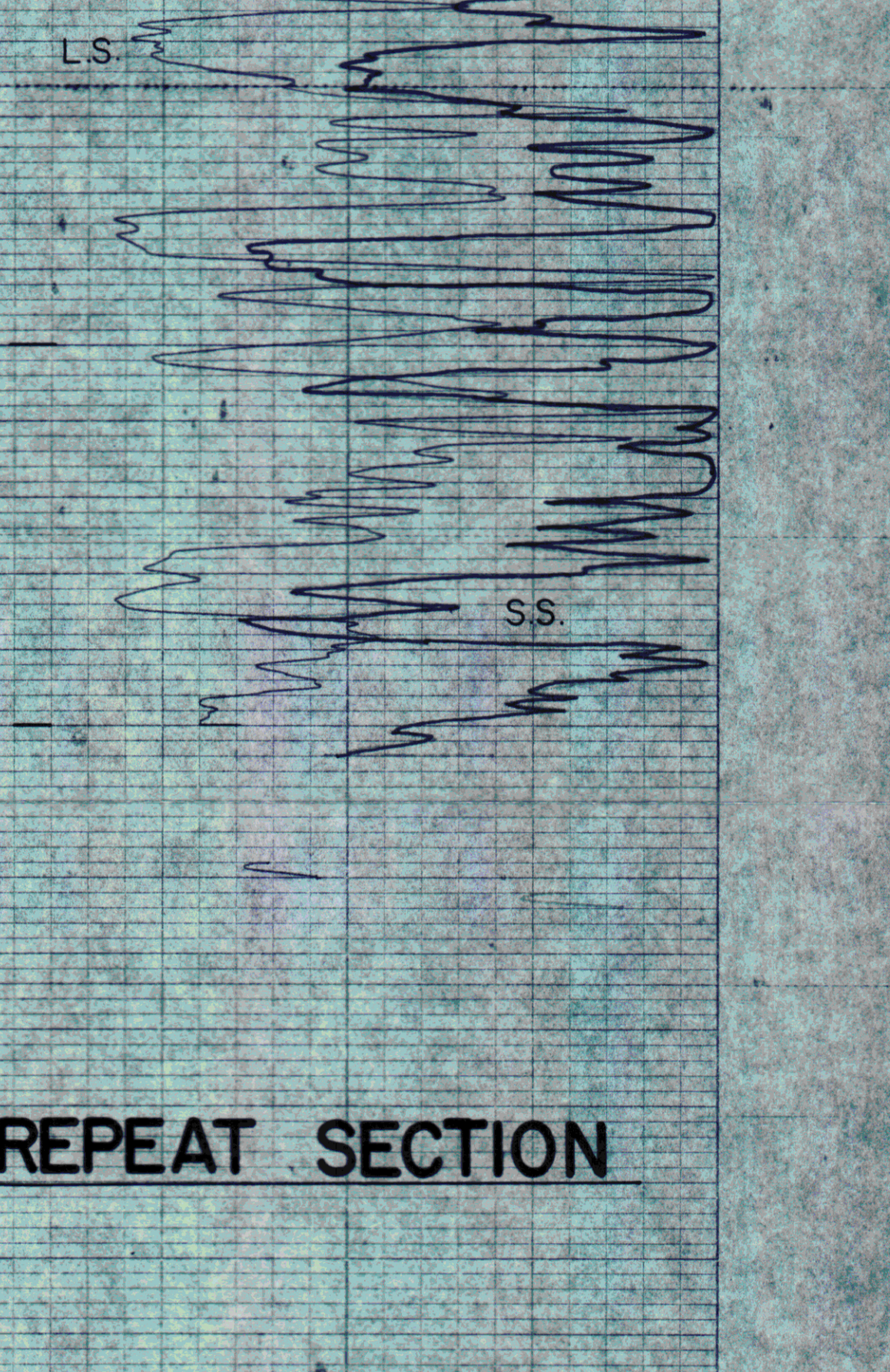
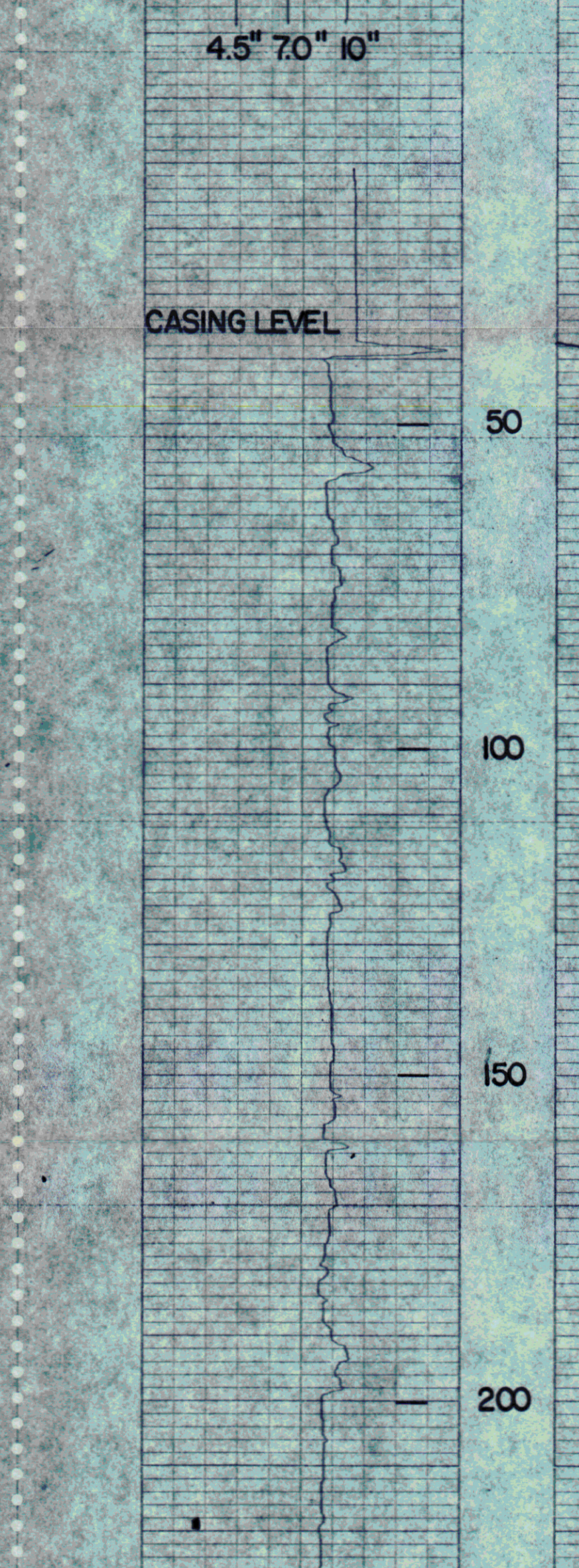
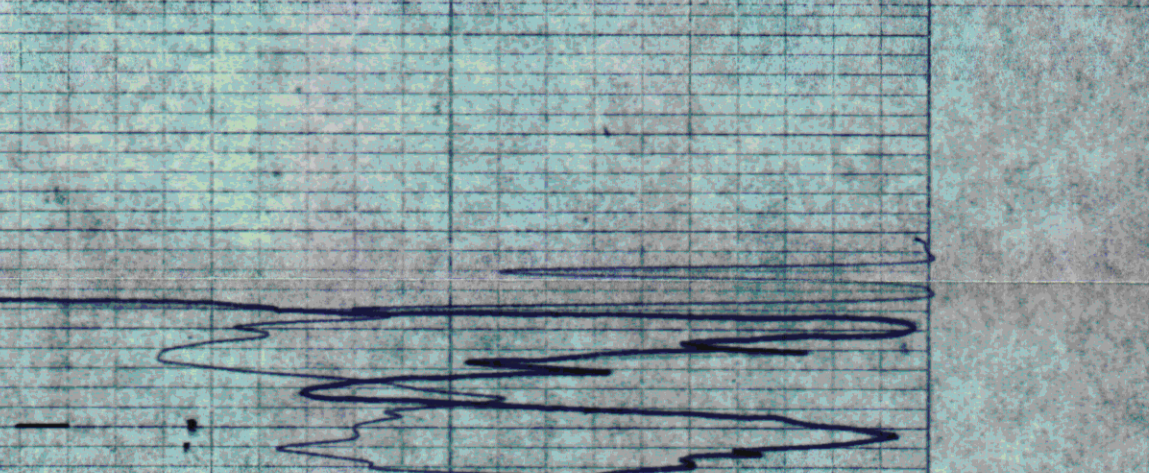
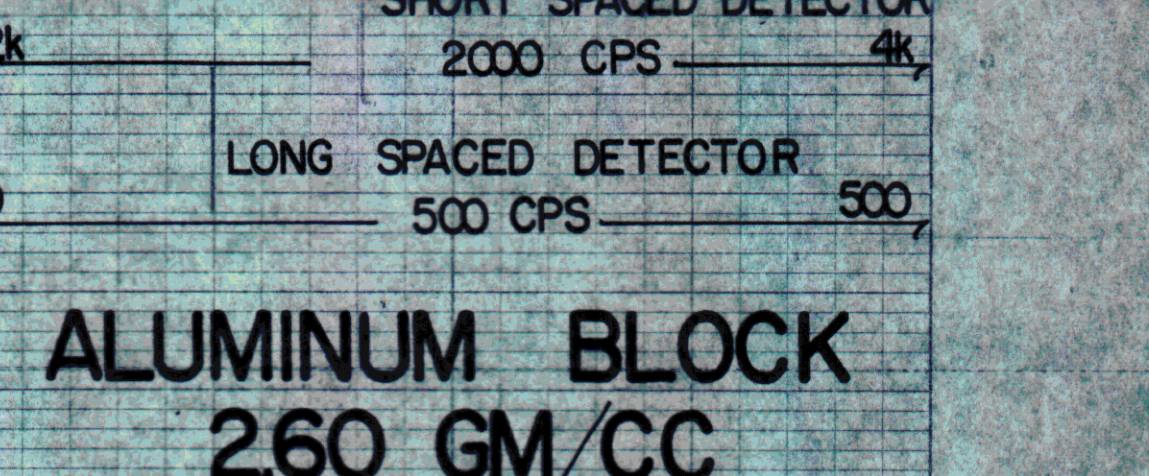
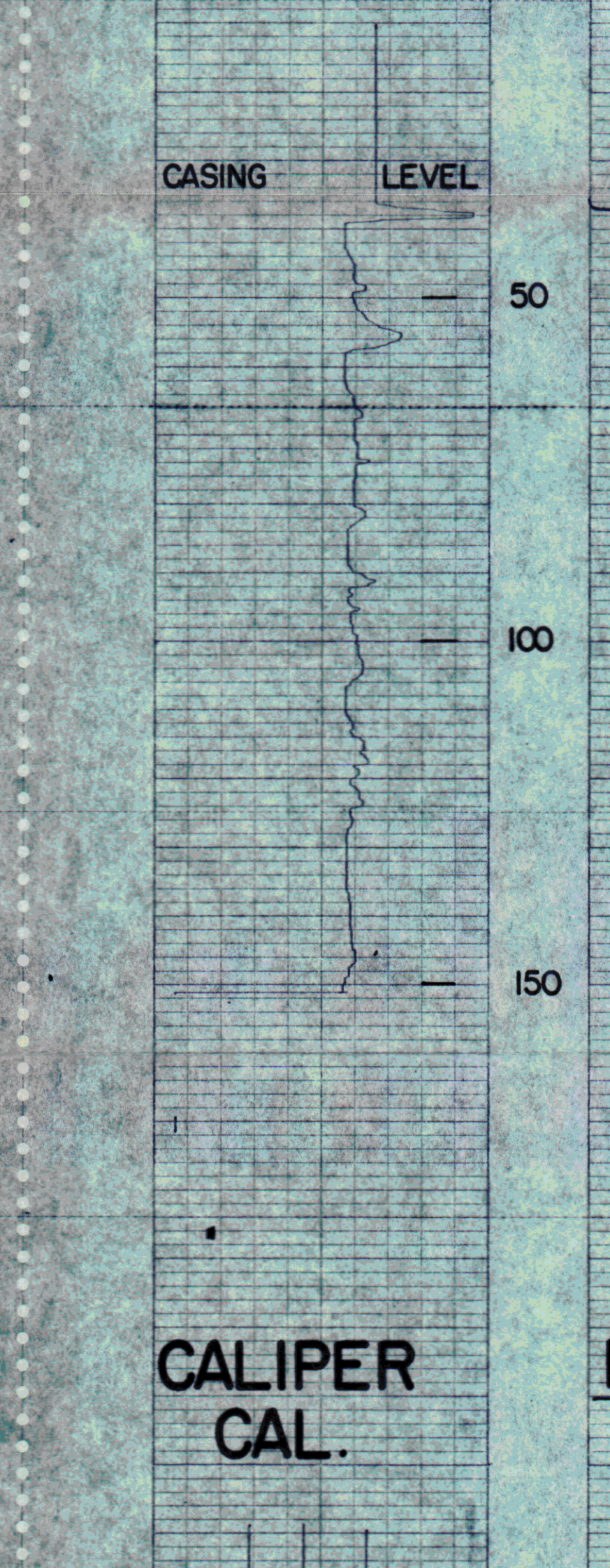
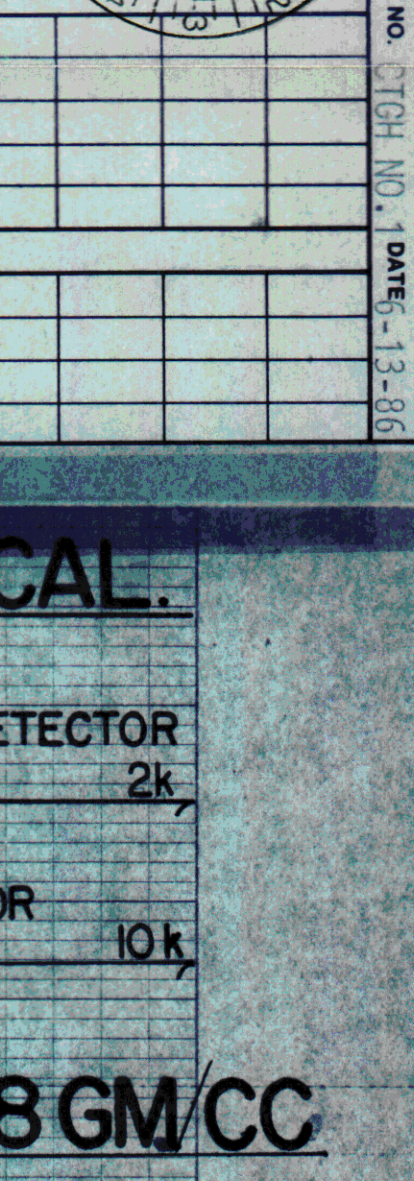
1019 - 8th STREET • GOLDEN, COLORADO 80401 • (303) 279-0171 • TELE: 45-0288

PROJECT: CLACKAMAS GEOTHERMAL HOLE	HOLE: CTGH NO. 1	INSTR. MODEL: 1111-W	UNIT NO.: 245
COMPANY: THERMAL POWER CO.	DATE: JUNE 13, 1986	PROBE NO.: XAP	K-FACTOR: N/A
STATE: OREGON	COUNTY: MARION	SEC: 28 th	TWP: 8S
DRILL HOLE DATA: DRILLING CONTRACTOR: BOYLES BROTHERS (RENO, NV)	TIME SINCE CIRCULATION: 17 1/2 HRS	DEAD TIME: LESS THAN 1 MICRO. SEC.	TIME CONSTANT: 0.5 SEC
DEPTH LOGGED: 517 FT	COLLAR ELEV. 3840 EST. FT	TIME ON: 10:00	OFF: 12:00
DEPTH CASING: 35 FT	BIT SIZE: 8 3/4 IN	DRILL PIPE THICK: N/A IN	OPERATOR: BOB CROWDER
FLUID LEVEL: 18 FT	TYPE FLUID: BENTONITE GEL	CASING THICK: 1/4 IN	WITNESS: MR. DOUG GOODWIN
LOGGED OPEN HOLE: XXX	THRU PIPE: THRU CASING	SURF: SURF	MS. ANGELA MCHANNEL
CORRECTION FACTORS: PIPE: CASING	WATER		

NATURAL GAMMA	INITIAL RUN	1	2	3	4	5
DEPTH FROM	510	150				
TO	SURF	SURF				
NO.	510	150				
FULL SCALE (CPS)	100	100				
CHART RATIO - FT/IN	20	20				
LOGGING SPEED - FT/MIN	25	25				
DIGITAL INTERVAL - FT	0.3	0.3				
TIME CONSTANT - SEC	0.5	0.5				

Y-Y DENSITY	N-N NEUTRON	1	2	3	4	5
DEPTH FROM	514	150	116.5	150.5		
TO	30	30	30	30		
NO.	486	120	886.5	20.5		
FULL SCALE (CPS)	500	500	2k	2k		
DISPLACEMENT - CPS	0	0	2k	2k		
CHART RATIO - FT/IN	20	20	20	20		
LOGGING SPEED - FT/MIN	20	20	20	20		
DIGITAL INTERVAL - FT	0.3	0.3	0.3	0.3		

REMARKS: DEPTH MEASURE FROM C.I. 1. S.S. W/POLYMER VIS AT SEC. 9.1 16. DEPTH SET TO GAMMA, GENERAL OFF SET 2' UP. DEPTH SET TO LONG SPACED G-G, SHORT G-G, CAL. DEFEAT. CALIPER RUN W/G-G, INITIAL CALIPER CALIBRATION DUBIOUS.



CLACKAMAS GEOTHERMAL CTGH NO. 1