

SCHLUMBERGER

POTECCLINOMETER
CONTINUOUS DIPMETER
 (COMPUTED)
 SCHLUMBERGER OF CANADA
 Calgary, Alberta

PROVINCE YUKON TERRITORY
 FIELD WILDCAT
 WELL CANADA SOUTHERN ET AL N.
 BEAVER R YT-1-27
 COMPANY CANADA SOUTHERN PETROLEUM
 LIMITED

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 WELL CANADA SOUTHERN ET AL N. BEAVER R YT-1-27
 FIELD WILDCAT
 PROVINCE YUKON TERRITORY
 LOCATION GRID 124° 0'; 600 101
 NE CORNER SEC 27 UNIT 1
 Other Services: IES, SGR-C
 Permanent Datum G.L. Elev. 1430.0 ELEV. KB 1446.1
 Log Measured From K.B. 6.1 Ft. Above Perm. Datum G.L. 1430.0
 CBF

7 DECEMBER, 1963		26 DECEMBER, 1963	
Date	ONE	TWO	
Run No.	11616	12201	
Depth Driller	11618	12207	
Depth SOC	11615	12204	
Blm. Log Interval	8099	11613	
Top Log Interval			
Casing Driller	8099		
Casing SOC			
Bit Size	8 3/8 "	8 3/8 "	
Type Fluid in Hole	GEL-CHEM	GEL-CHEM	
Dens	14.1	13.1	132
Visc	10.0	9.5	1.0
PH			
Source of Sample			
Rm @ Meas. Temp	1.50 @ 58 °F	1.48 @ 61 °F	
Rmf @ Meas. Temp	0.68 @ 56 °F	0.820 @ 63 °F	
Rmc @ Meas. Temp	1.69 @ 56 °F	1.23 @ 63 °F	
Source Rmf	M	M	
Rm @ BHT	0.37 @ 236 °F	0.34 @ 274 °F	
Time Since Circ	6 HRS	5 HRS	
Max. Rec. Temp.	236	274	
Equipment			
Truck No.	2547	2547	
Location	DAWSON CREEK	DAWSON CREEK	
Recorded By	CHEMOSKY	CHEMOSKY	
Witnessed By	WRIGHT	WRIGHT	

FOLD HERE THIS HEADING AND LOG CONFORMS TO API RP 31

Run No.	Tool Type	DCM No.	DCE No.	DCP No.	RDS No.	SAH	UG	LG	Magnetic Declination	Computed By
ONE	TYPE - B								33° E	SIPOS & MCKINNON
TWO	TYPE - B	A-344							33° E	SIPOS & MCKINNON

REMARKS

"Any directional computations made from the dipmeter log must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the instrument itself, rather than the direction and amount of the wall drift. Therefore, we do not and cannot guarantee the accuracy of such directional computations, and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF			1 mile (5280')	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF			
	100'	1000'			100'	1000'	1 mile (5280')	
1	1.75	17.5		92.2	19	34.4	344.	1818.
2	3.5	35.		184.	20	36.4	364.	1922.
3	5.2	52.		277.	21	38.4	384.	2027.
4	7.0	70.		369.	22	40.4	404.	2133.
5	8.8	88.		462.	22	42.5	425.	2241.

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO
VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF				VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF			
DIP ANGLES (degrees)	100'	1000'	1 mile (5280')	DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
1	1.75	17.5	92.2	19	34.4	344.	1818.
2	3.5	35.	184.	20	36.4	364.	1922.
3	5.2	52.	277.	21	38.4	384.	2027.
4	7.0	70.	369.	22	40.4	404.	2133.
5	8.8	88.	462.	23	42.5	425.	2241.
6	10.5	105.	555.	24	44.5	445.	2351.
7	12.3	123.	648.	25	46.6	466.	2462.
8	14.1	141.	742.	30	57.7	577.	3048.
9	15.8	158.	836.	35	70.0	700.	3697.
10	17.6	176.	931.	40	83.9	839.	4430.
11	19.4	194.	1026.	45	100.0	1000.	5280.
12	21.3	213.	1122.	50	119.2	1192.	6293.
13	23.1	231.	1219.	55	142.8	1428.	7540.
14	24.9	249.	1316.	60	173.2	1732.	9145.
15	26.8	268.	1415.	65	214.4	2144.	11323.
16	28.7	287.	1514.	70	274.8	2748.	14507.
17	30.6	306.	1614.	75	373.2	3732.	19705.
18	32.5	325.	1716.	80	567.1	5671.	29945.

To obtain vertical displacements corresponding to multiples of hundreds feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

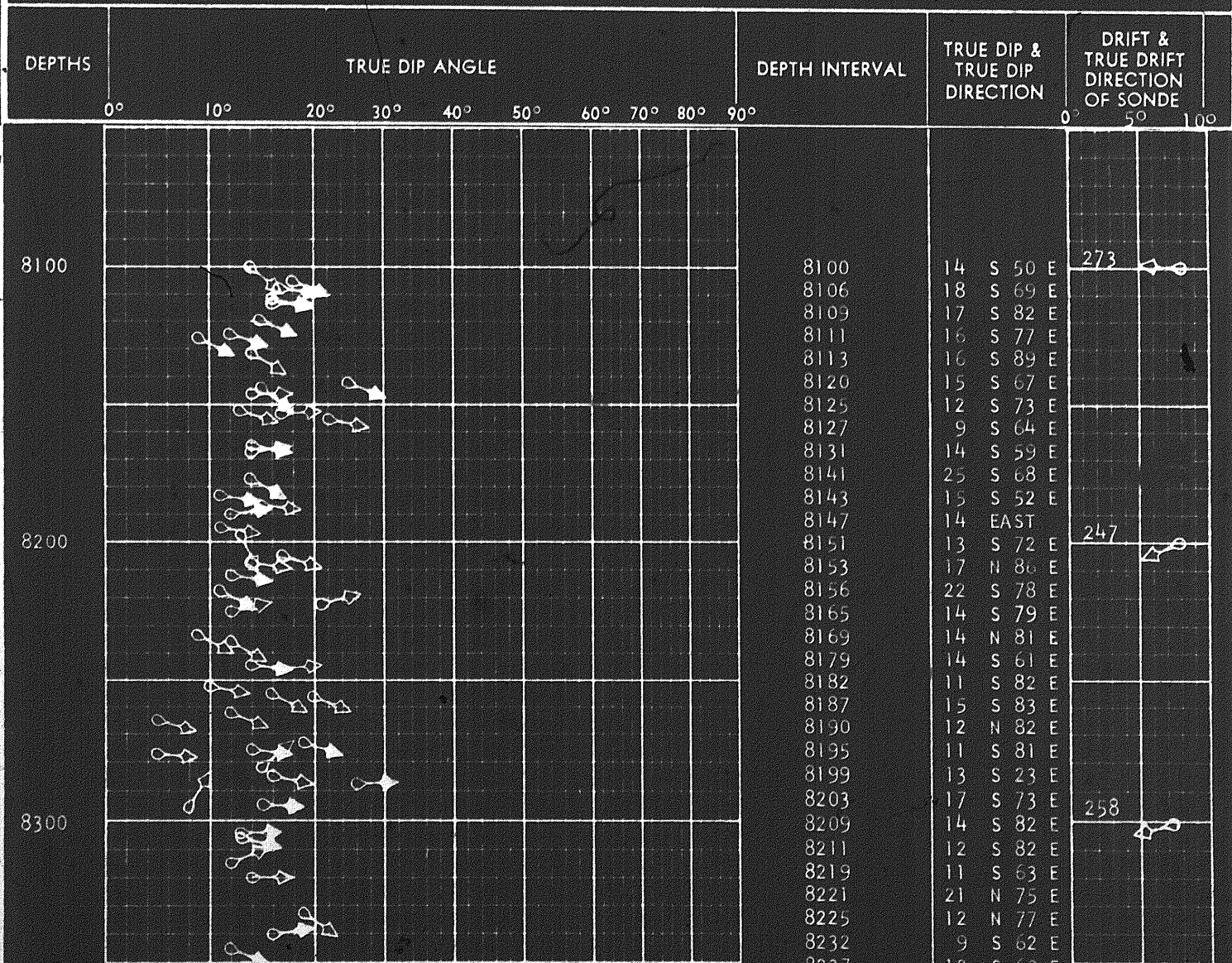
Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16 dip. Therefore $28.7 \times 6.60 = 189.42$, or 189. feet.



GRAPHIC PRESENTATION

CORRELATION RATING:

- ◄● = GOOD
- ◄○ = FAIR
- ◄○ = POOR



8300

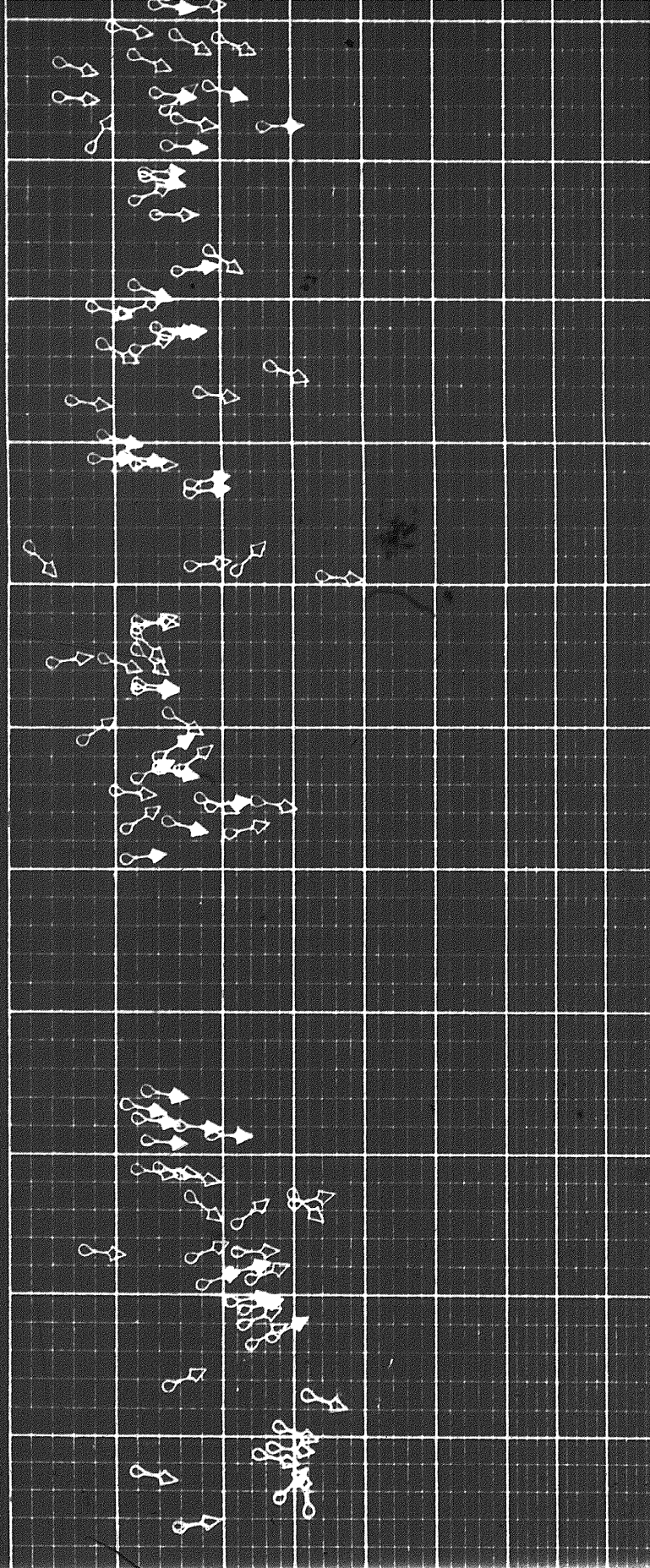
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8199	13	S	23	E
8203	17	S	73	E
8209	14	S	82	E
8211	12	S	82	E
8219	11	S	63	E
8221	21	N	75	E
8225	12	N	77	E
8232	9	S	62	E
8237	12	S	60	E
8243	14	S	83	E
8247	17	N	84	E
8251	10	S	79	E
8255	16	S	61	E
8257	20	S	67	E
8261	12	S	68	E
8265	5	S	74	E
8273	19	S	72	E
8277	14	S	83	E
8278	5	S	85	E
8281	15	N	50	E
8285	16	S	78	E
8289	26	N	88	E
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8297	8	N	33	E
8303	13	N	89	E
8307	13	S	77	E
8315	12	N	67	E
8320	14	EAST		
8331	19	S	56	E
8340	16	N	81	E
8347	12	S	69	E
8351	8	S	76	E
8355	11	N	70	E
8360	14	S	82	E
8361	15	N	84	E
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8369	12	N	72	E
8372	27	S	69	E
8381	18	S	82	E
8387	6	S	82	E
8399	9	S	75	E
8403	11	S	81	E
8406	8	EAST		
8409	12	S	89	E
8413	17	N	77	E
8419	17	N	83	E
8438	2	S	42	E
8443	17	N	83	E
8447	22	N	46	E
8440	34	S	85	E
8461	12	S	85	E
8466	12	N	73	E
8468	12	S	44	E
8471	12	S	52	E
8477	9	S	72	E
8479	4	N	81	E
8483	12	S	83	E
8487	12	S	86	E
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8513	14	S	73	E

258

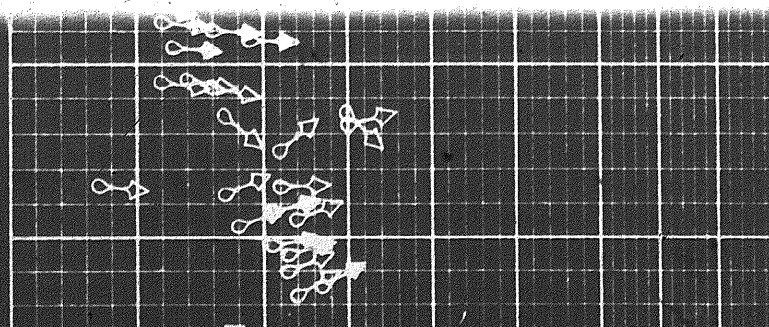
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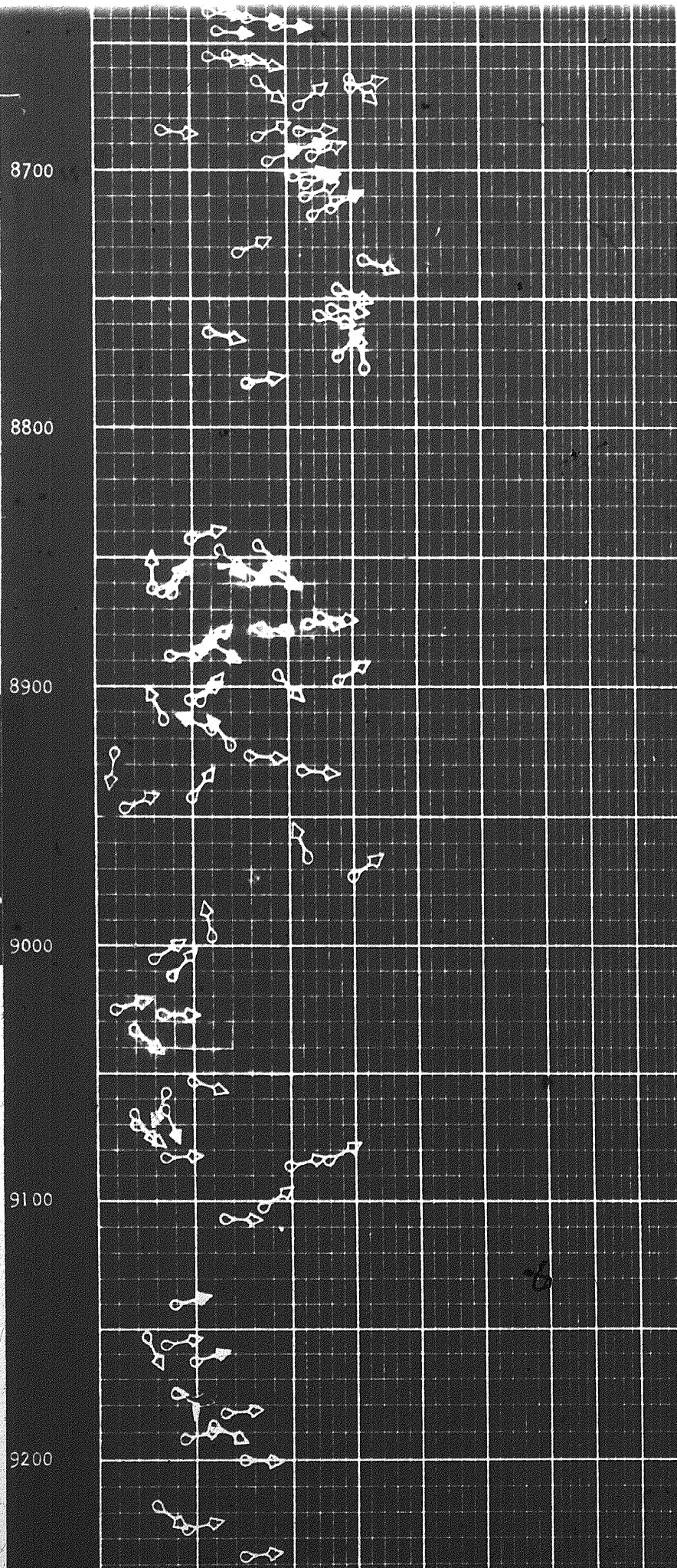
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8419	17	N	83	E
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8443	17	N	83	E
8447	22	N	46	E
8440	34	S	85	E
8461	12	S	85	E
8466	12	N	73	E
8468	12	S	44	E

255

8494 15 S 58 E
 8503 7 N 56 E
 8510 14 N 59 E
 8512 14 S 77 E



8406	8	EAST
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8419	17	N 83 E
8438	2	S 42 E
8443	17	N 83 E
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8477	9	S 72 E
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8513	14	S 77 E
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8519	12	N 65 E
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8524	18	S 69 E
8527	25	S 79 E
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8532	15	S 74 E
8537	11	N 57 E
8539	21	N 75 E
8548	11	N 83 E
8629	13	S 80 E
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8638	12	S 83 E
8640	16	S 86 E
8643	19	S 88 E
8647	13	S 85 E
8653	14	S 80 E
8655	12	S 82 E
8658	16	S 78 E
8663	30	S 47 E
8665	17	S 52 E
8669	30	N 76 E
8674	22	N 52 E
8684	7	S 84 E
8686	22	N 88 E
8689	17	N 67 E
8691	21	N 76 E
8695	24	N 68 E
8698	18	N 70 E
8702	21	N 81 E
8706	23	N 75 E
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8715	27	N 61 E
8719	24	N 60 E
8731	15	N 65 E
8735	32	S 71 E
8748	28	S 69 E
8753	27	S 84 E
8758	25	S 76 E
8762	12	S 77 E
8771	28	N 42 E
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8782	16	N 78 E
8841	10	N 73 E
8847	17	S 51 E
8848	13	S 43 E
8851	15	S 60 E
8852	18	S 58 E
8862	6	N 01 W
8863	7	N 40 E
8865	8	N 27 E
8872	25	S 85 E
8874	23	S 89 E
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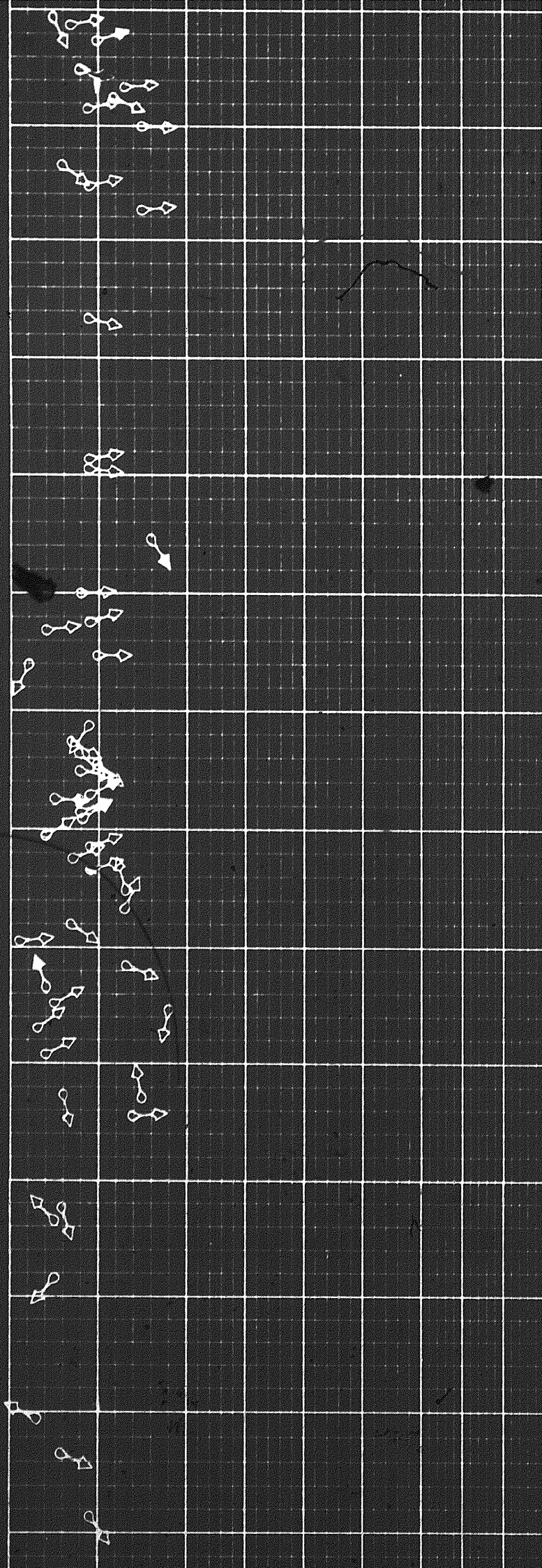
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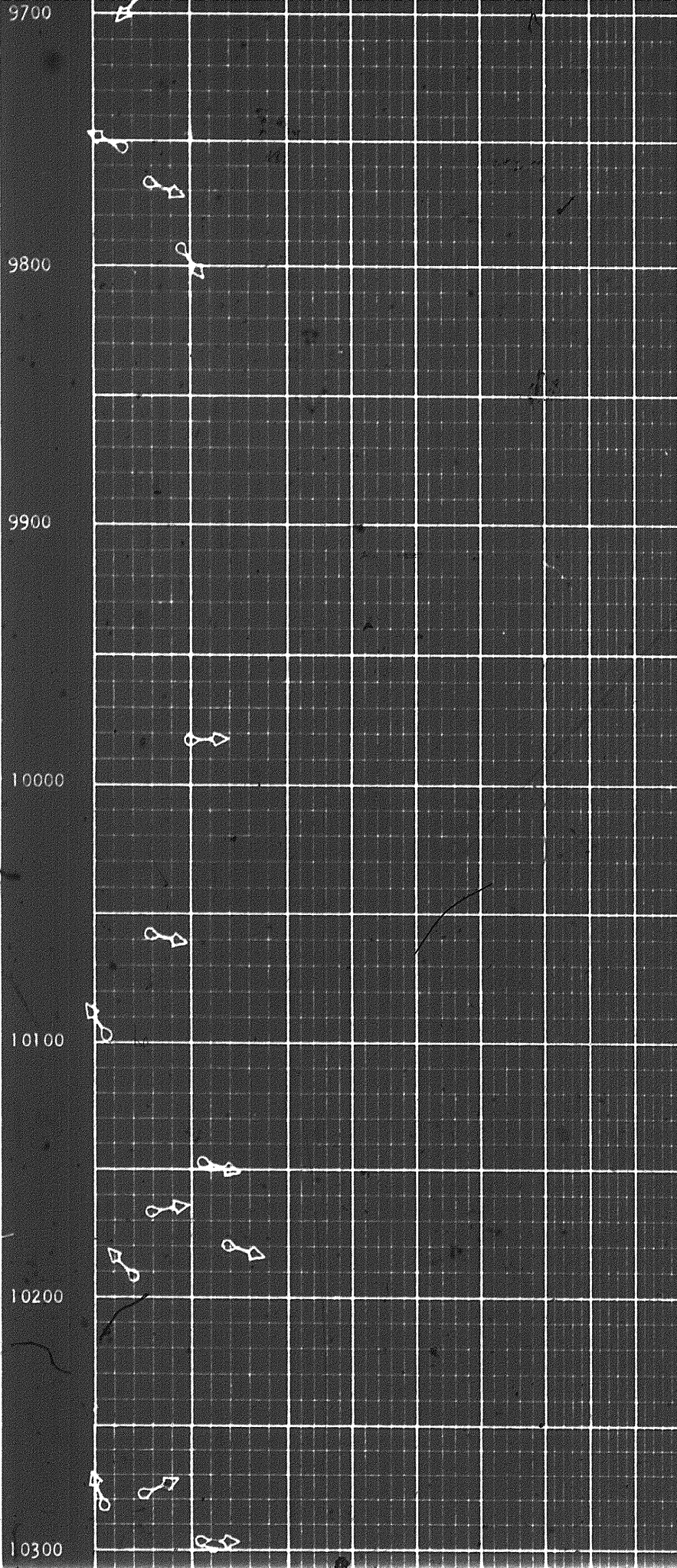
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8889	8	N	84	E	
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8899	28	N	59	E	271
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8908	11	N	39	E	
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8918	12	N	67	W	
8923	14	N	38	W	
8925	2	S	09	W	
8928	16	S	86	E	
8931	22	S	85	E	
8943	10	N	37	E	
8947	3	N	67	E	
8967	23	N	22	W	
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9027	2	N	73	E	
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9070	4	S	54	E	
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9152	5	S	25	E	
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9237	15	N	84	E	
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9413	9	N	71	E	
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9476	8	S	84	E	
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9487	5	S	87	E	
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9511	7	S	68	E	
9518	9	N	74	E	



9427
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 9792
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2 S 27 W
 7 S 61 E
 8 S 48 E
 10 S 51 E
 8 S 84 E
 9 N 64 E
 5 S 87 E
 8 N 69 E
 8 N 58 E
 4 N 59 E
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 7 S 68 E
 9 N 74 E
 13 N 15 W
 13 N 25 E
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 6 S 17 E
 5 N 43 W
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10058

6 S 76 E

10092

1 N 32 W

10148

11 S 75 E

10168

6 N 79 E

10180

14 S 72 E

10191

4 N 42 W

10279

5 N 65 E

10281

1 N 20 W

10298

11 S 89 E

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10200

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10400

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10600

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10148 11 S 75 E
 10168 6 N 79 E
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 10191 4 N 42 W

343

10279 5 N 65 E
 10281 1 N 20 W
 10298 11 S 89 E

343

10330 4 S 60 E
 10343 6 N 75 E

10380 4 S 17 E
 10382 8 S 05 E
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 10391 11 S 59 E
 10403 7 S 61 E

337

10445 2 N 78 W
 10452 4 N 61 E

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 10505 22 S 19 W
 10521 27 N 15 E
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 10531 9 N 74 E

344

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 10620 4 N 67 E
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345

341

10200

10300

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10500

10600

10700

10148 11 S 75 E
 10168 6 N 79 E
 10180 14 S 72 E
 10191 4 N 42 W

343

10279 5 N 65 E
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343

10330 4 S 60 E
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337

10445 2 N 78 W
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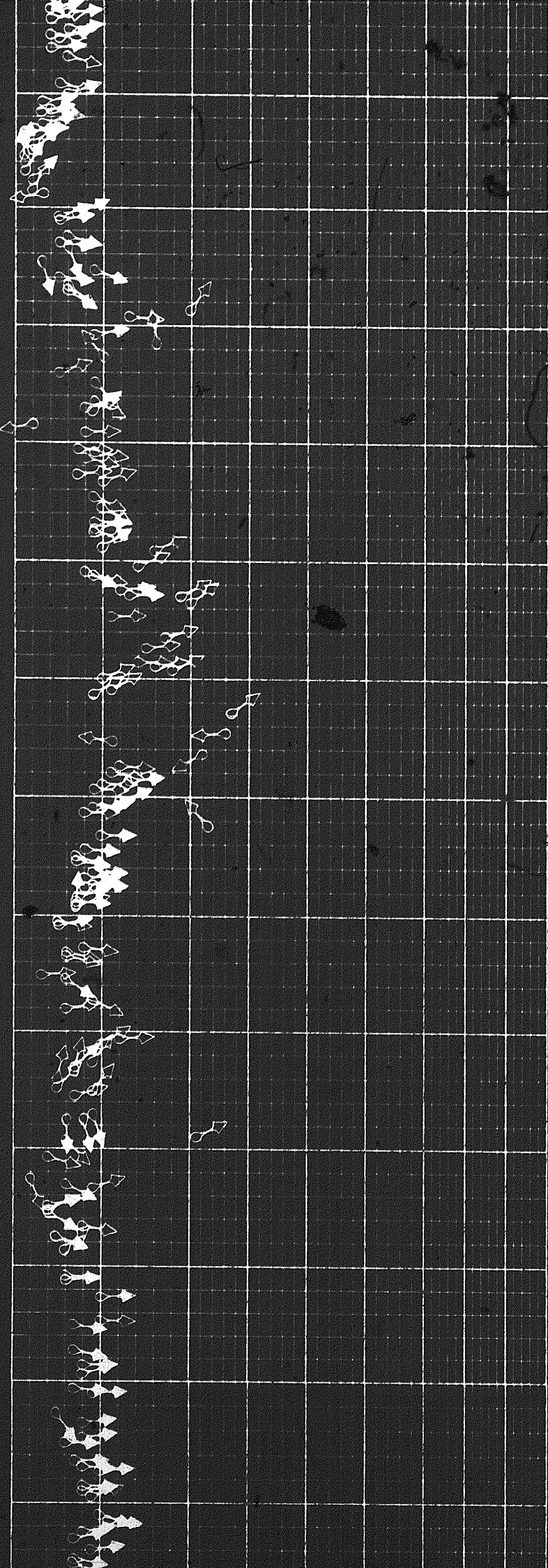
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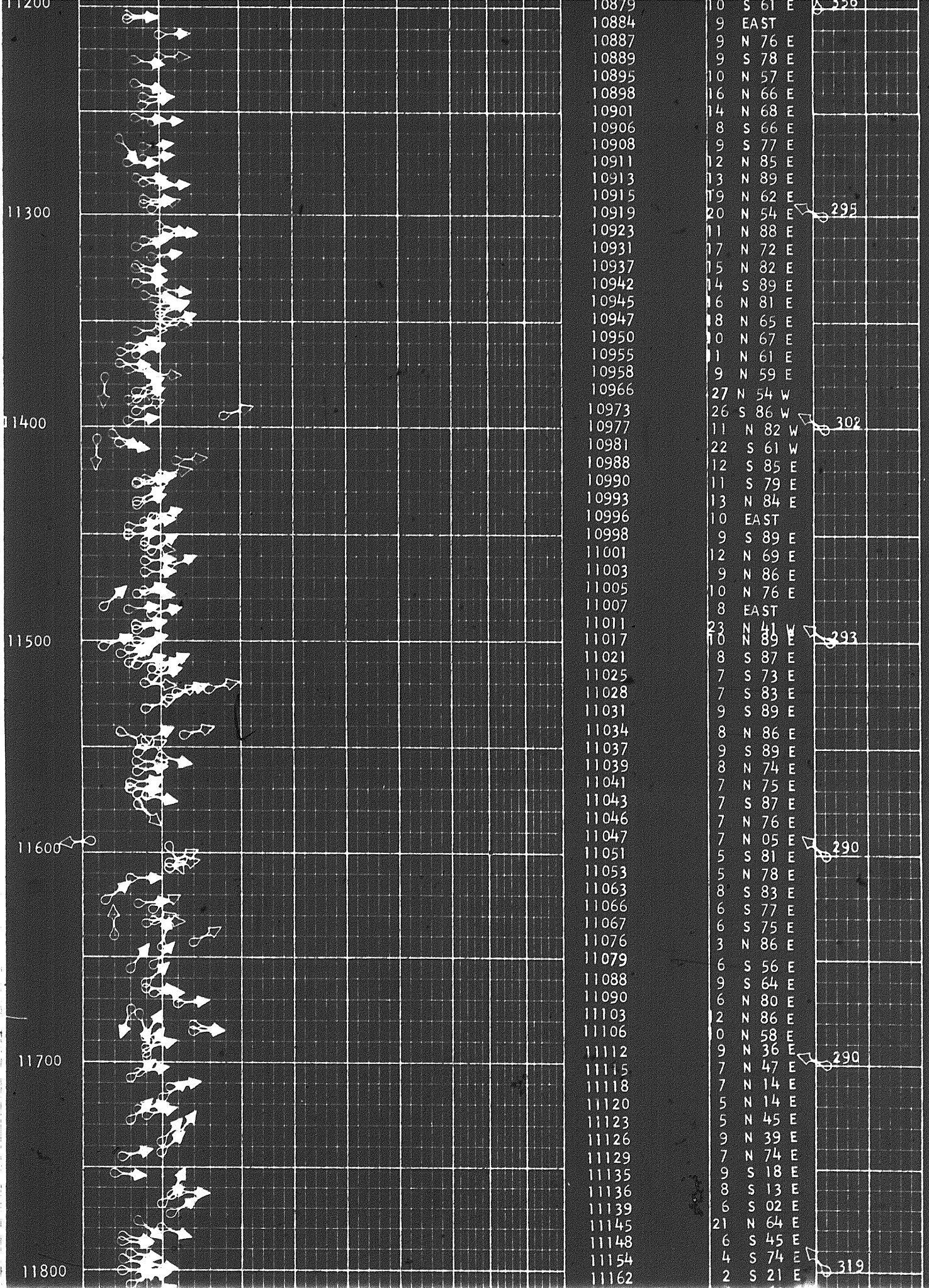
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11200
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10908 9 S 77 E
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10919 20 N 54 E
10923 11 N 88 E
10931 17 N 72 E
10937 15 N 82 E

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333
004
326
013
356
295



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10889	9	S	78	E
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10898	16	N	66	E
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10981	22	S	61	W
10988	12	S	85	E
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10993	13	N	84	E
10996	10	EAST		
10998	9	S	89	E
11001	12	N	69	E
11003	9	N	86	E
11005	10	N	76	E
11007	8	EAST		
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11017	10	N	89	W
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11025	7	S	73	E
11028	7	S	83	E
11031	9	S	89	E
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11043	7	S	87	E
11046	7	N	76	E
11047	7	N	05	E
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11148	6	S	45	E
11154	4	S	74	E
11162	2	S	21	E

295

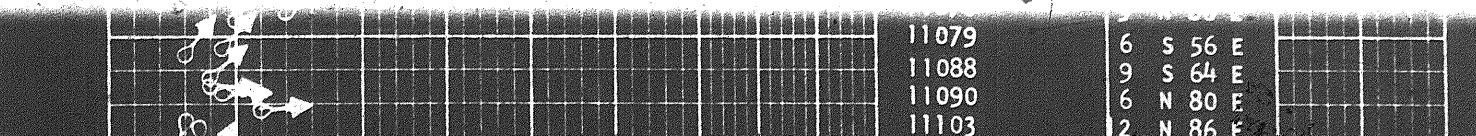
302

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11079	6	S	56	E
11088	9	S	64	E
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11800



11148
11154
11162

6 S 45 E
4 S 74 E
2 S 21 E

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11700

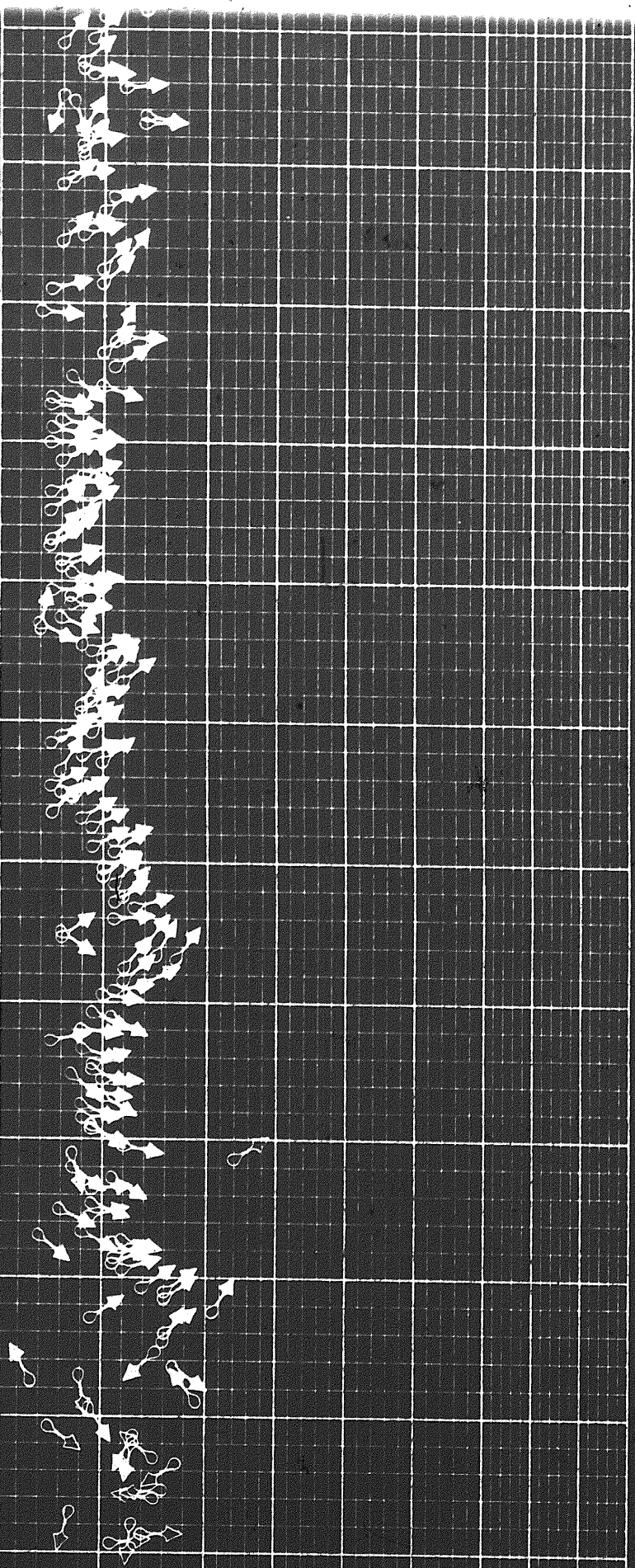
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6 S 56 E
9 S 64 E
6 N 80 E
2 N 86 E
0 N 58 E
9 N 36 E
7 N 47 E
7 N 14 E
5 N 14 E
5 N 45 E
9 N 39 E
7 N 74 E
9 S 18 E
8 S 13 E
6 S 02 E
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10 N 68 E
11 N 77 E
10 N 88 E
7 N 88 E
6 N 74 E
5 N 83 E
7 N 70 E
5 S 87 E
6 S 81 E
9 S 88 E
3 S 04 W
7 N 63 E
7 N 68 E
6 N 75 E

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318

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12200

4 of



11351	10	N	88	E
11356	7	N	88	E
11361	6	N	74	E
11364	5	N	83	E
11367	7	N	70	E
11370	5	S	87	E
11372	6	S	81	E
11375	9	S	88	E
11378	3	S	04	W
11383	7	N	63	E
11387	7	N	68	E
11388	6	N	75	E
11392	7	N	68	E
11395	18	N	72	E
11398	6	N	83	E
11402	4	S	64	E
11406	2	S	03	W
11408	5	S	78	E
11416	12	N	85	E
11421	10	N	78	E
11424	8	N	83	E
11426	7	N	82	E
11427	7	EAST		
11435	7	N	63	E
11437	7	N	70	E
11441	9	N	75	E
11444	8	N	84	E
11448	6	N	81	E
11450	6	N	87	E
11452	8	N	22	E
11455	8	S	82	E
11459	9	N	60	E
11461	8	N	86	E
11466	11	N	68	E
11469	8	N	89	E
11477	8	S	82	E
11479	7	N	72	E
11482	3	N	48	E
11486	6	N	83	E
11489	9	N	77	E
11493	7	N	83	E
11495	7	N	73	E
11500	7	N	80	E
11503	3	N	68	E
11504	6	N	76	E
11507	5	N	83	E
11510	6	N	53	E
11511	7	N	72	E
11512	10	N	66	E
11513	9	N	73	E
11517	9	N	72	E
11520	8	S	85	E
11523	16	N	76	E
11525	12	N	75	E
11529	11	N	66	E
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11567	6	N	84	E
11570	6	S	85	E
11572	7	N	56	E
11573	8	S	79	E
11578	7	S	48	E
11595	1	S	84	W
11597	11	S	27	E
11606	11	N	65	E
11608	11	N	75	E
11616	6	N	89	E
11621	3	N	52	E
11624	7	N	84	E
11627	9	N	62	E
11631	9	S	89	E
11634	8	N	72	E
11640	4	N	02	W
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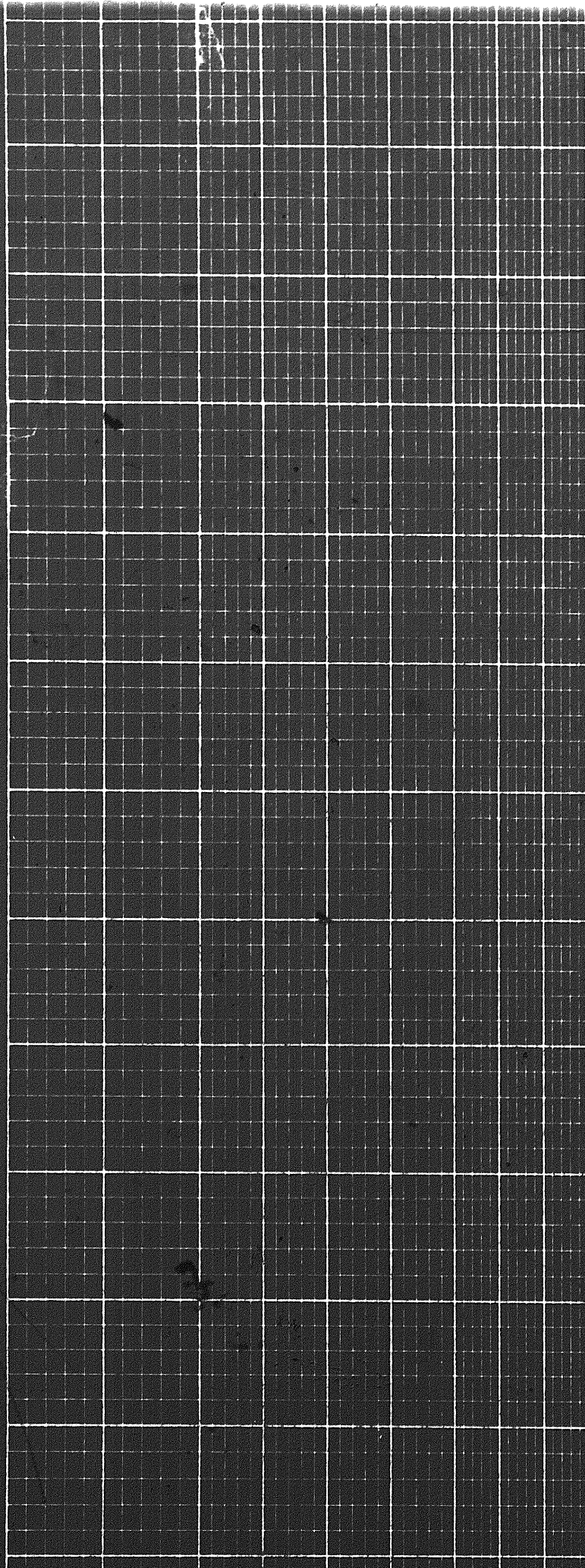
318

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11578	7	S	48	E
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11606	11	N	65	E
11608	11	N	75	E
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11621	3	N	52	E
11624	7	N	84	E
11627	9	N	62	E
11631	9	S	89	E
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11640	4	N	02	W
11643	14	N	60	E
11647	10	N	14	E
11652	9	N	43	E
11657	6	N	37	E
11661	8	N	49	E
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11671	12	N	84	E
11675	6	S	20	W
11677	7	S	18	E
11681	14	S	78	E
11685	14	N	88	E
11689	8	N	32	E
11693	8	N	75	E
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11699	8	N	25	E
11705	7	N	79	E
11709	6	N	53	E
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11718	10	N	57	E
11722	7	N	73	E
11726	8	N	75	E
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11739	10	N	42	E
11743	10	N	48	E
11745	5	N	75	E
11753	4	S	85	E
11761	12	S	88	E
11763	11	N	26	E
11769	10	N	48	E
11771	11	N	59	E
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11784	5	S	79	E
11787	5	S	85	E
11791	6	S	81	E
11795	5	S	77	E
11798	8	S	81	E
11800	5	EAST		
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11861	6	S	69	F

11677	7	S	18	E
11681	14	S	78	E
11685	14	N	88	E
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11861

7 N 77 E
7 S 85 E
6 S 69 E



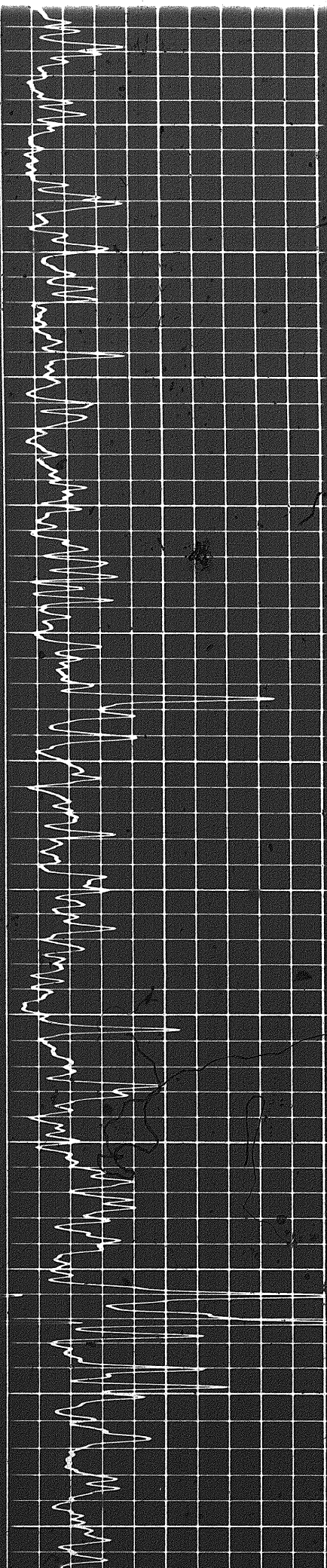
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7 S 18 E
14 S 78 E
14 N 88 E
8 N 32 E
8 N 75 E
8 N 36 E
8 N 25 E
7 N 79 E
6 N 53 E
11 N 79 E
10 N 57 E
7 N 73 E
8 N 75 E
6 N 46 E
12 N 37 E
10 N 42 E
10 N 48 E
5 N 75 E
4 S 85 E
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11 N 26 E
10 N 48 E
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5 EAST
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6 S 69 E
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4 N 11 E
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9 N 69 E
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6 N 33 E
5 N 65 E
6 N 79 E
7 N 62 E
5 N 46 E
8 N 60 E
9 N 64 E
11 N 73 E

595

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11961	12	N	42	E
11964	11	N	59	E
11967	13	N	73	E
11970	11	N	86	E
11975	6	S	57	E
11977	6	N	54	E
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11983	15	N	30	E
11985	17	N	37	E
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11994	14	N	63	E
11996	11	N	81	E
11999	10	S	83	E
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12123	16	N	32	E
12127	15	S	47	W
12131	17	S	56	E
12135	8	S	10	E
12138	3	N	29	W
12145	19	N	38	W
12149	9	S	33	E
12153	5	S	54	E
12157	13	S	27	W
12160	13	S	12	W
12165	15	N	51	W

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1300

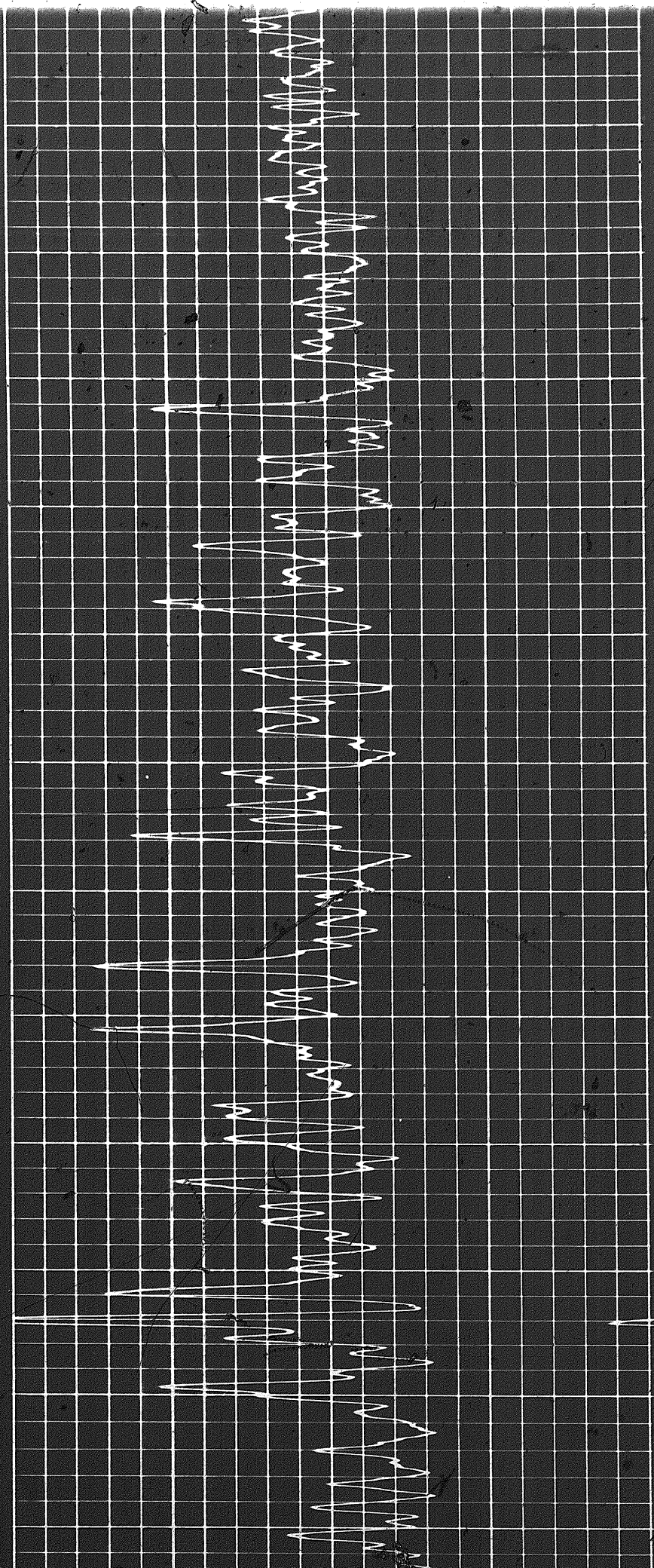
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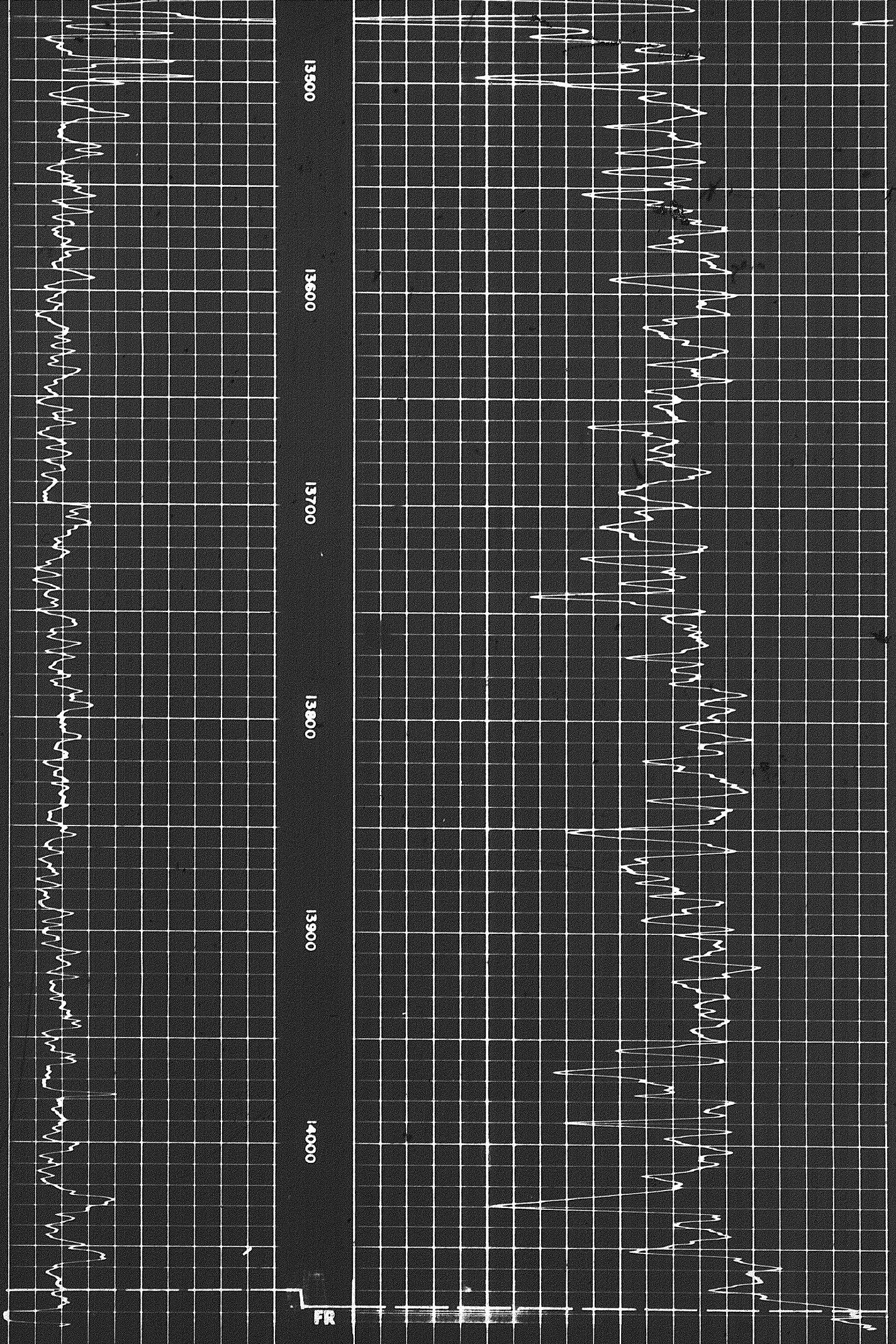
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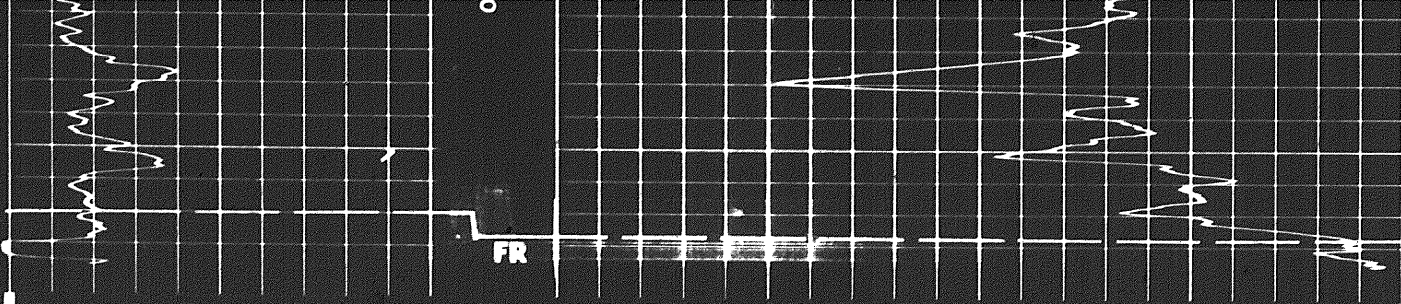
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14000

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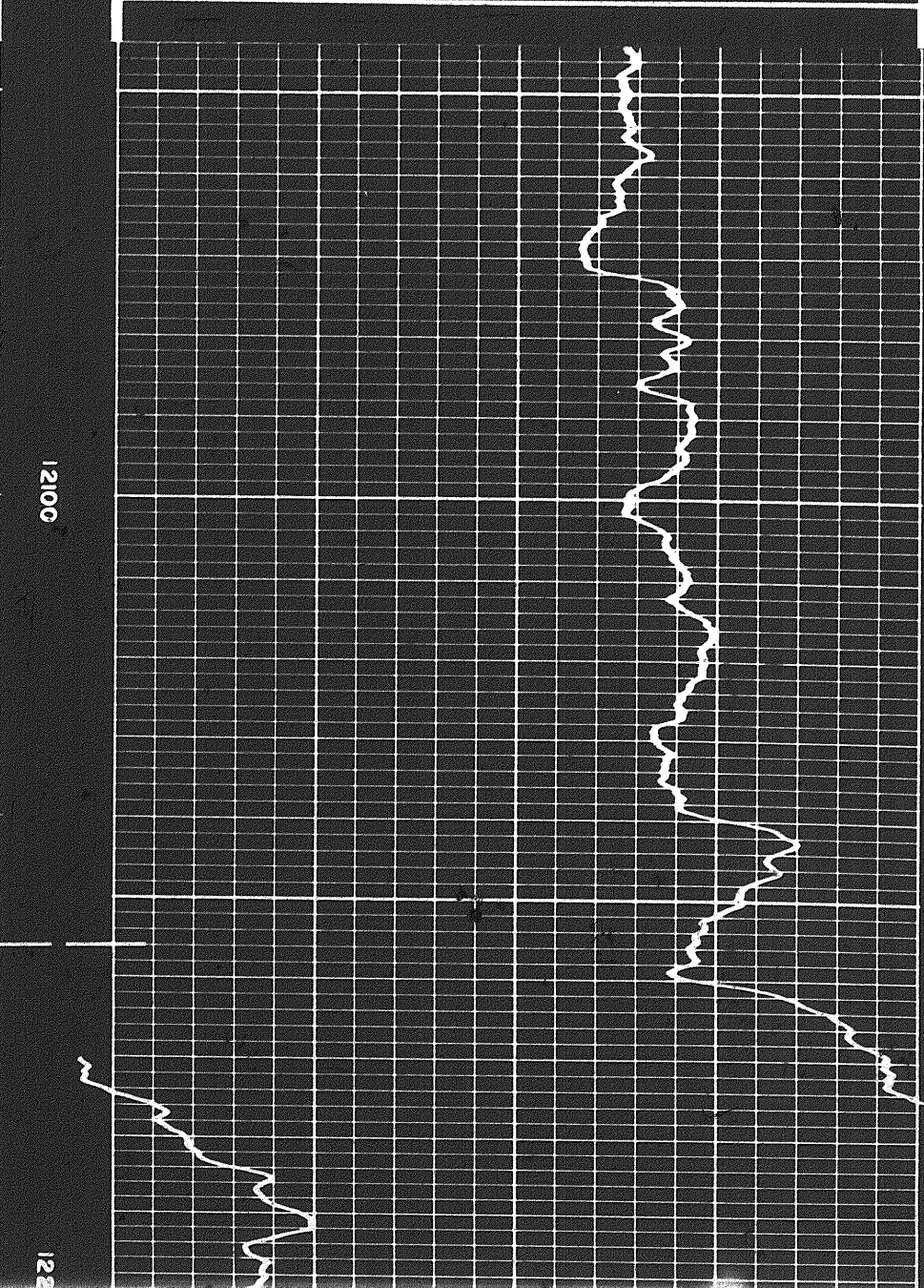
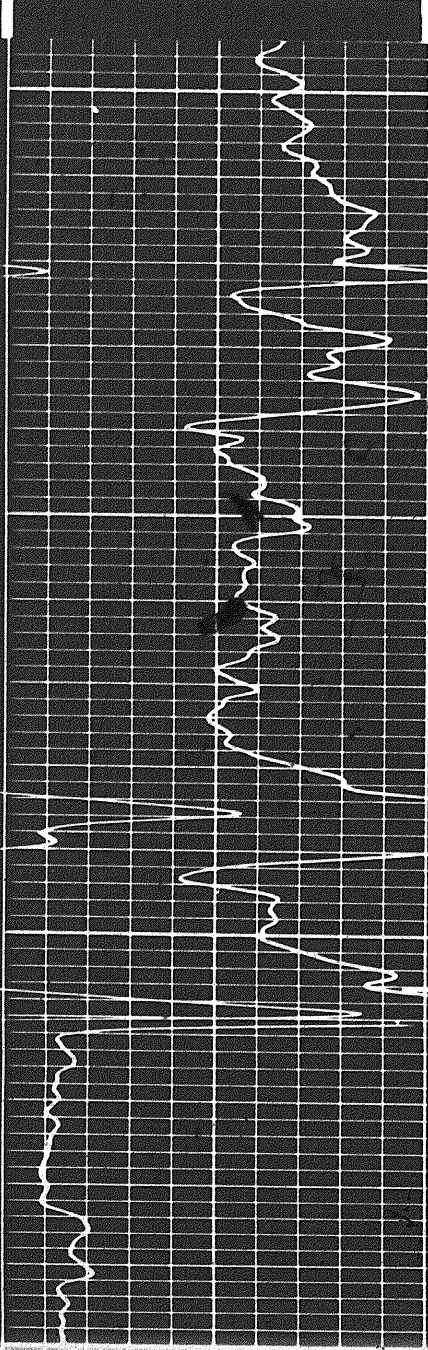
DETAIL LOG

5" = 100'



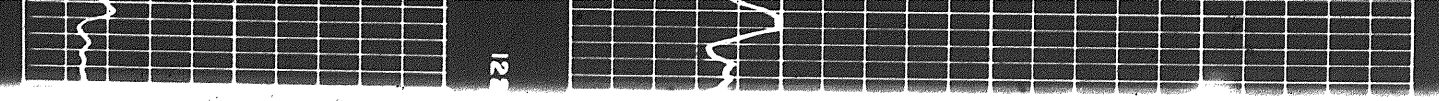
DETAIL LOG
5" = 100'

GAMMA RAY API UNITS	DEPTHS	NEUTRON API UNITS
Interval 12156 to 14070 Sens. 300 TC 2 Logging Speed 30 ft. min. ZERO 0 div. to left 0 120 120 240	12100	Interval 12156 to 14077 Sensitivity 600 Time Constant 3 Logging Speed 30 feet/minute ZERO 13 divisions to left of this line 2340 4140 5940 540 2340



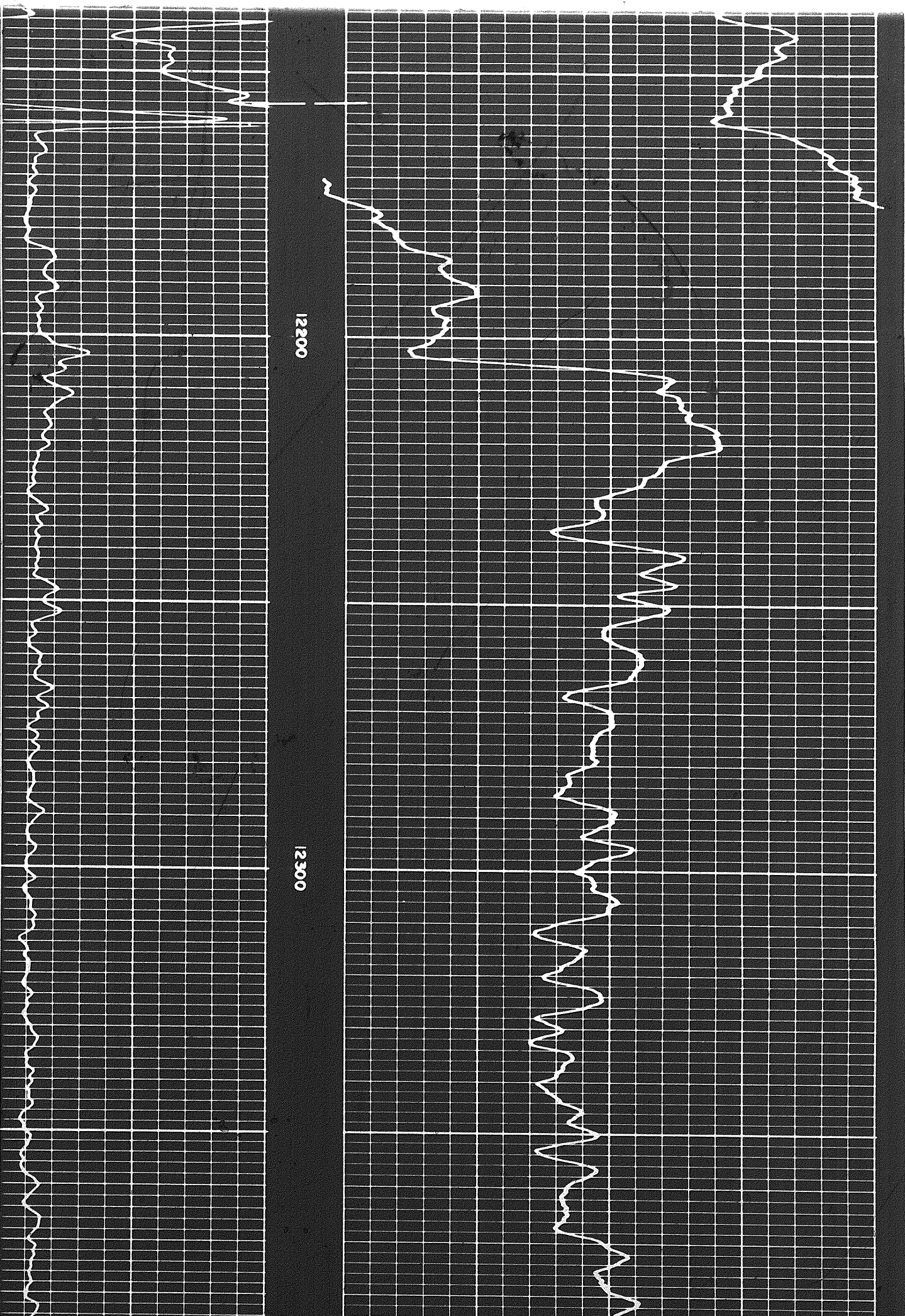
122

12

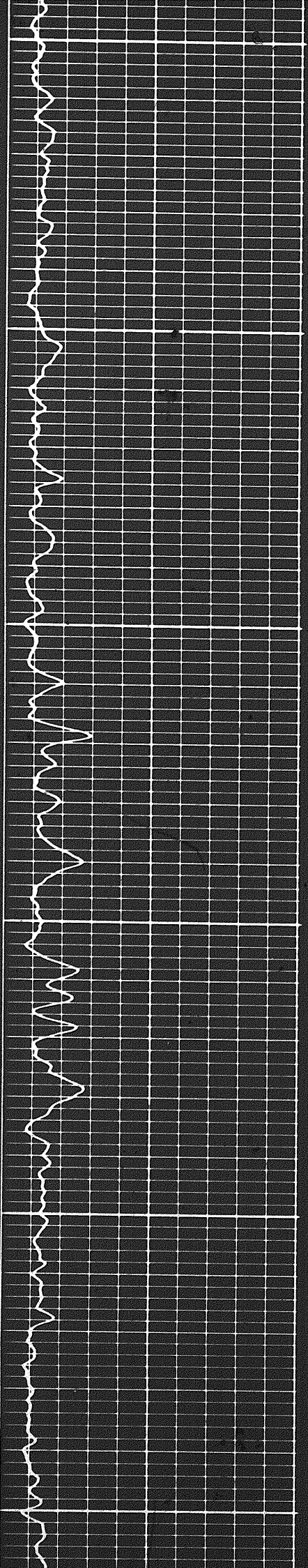


12200

12300



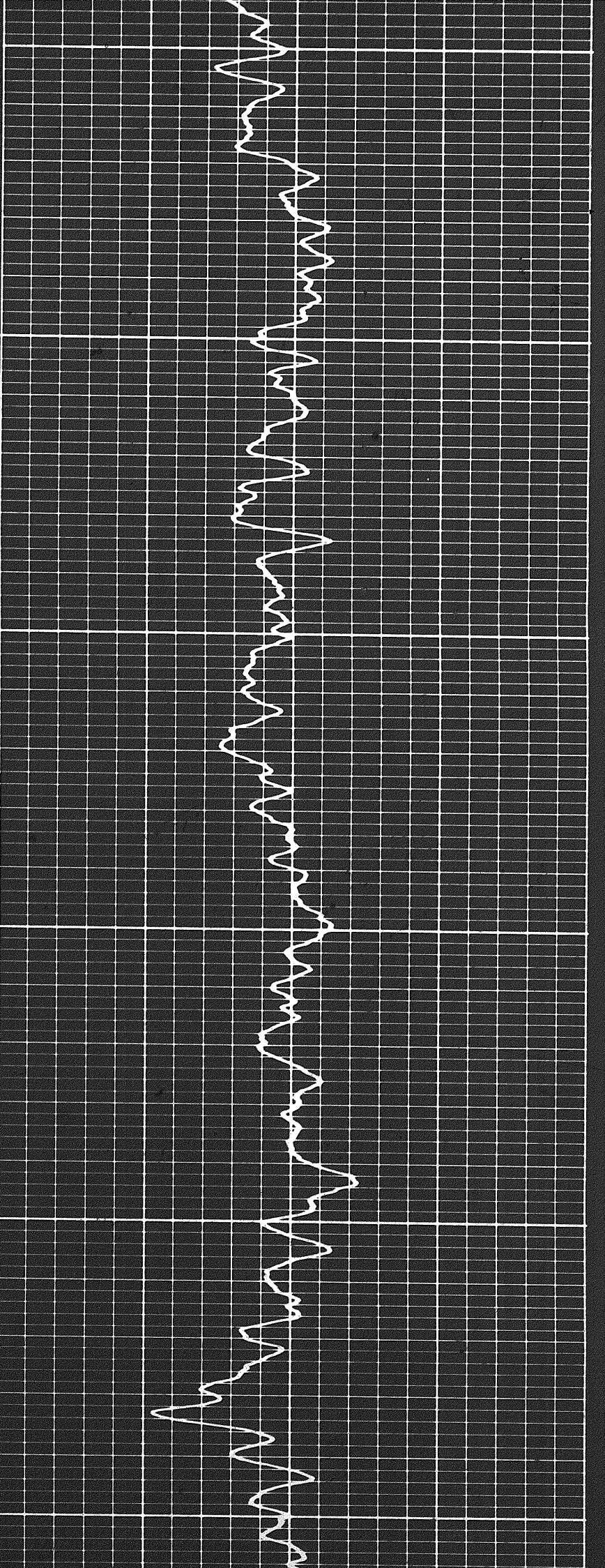
39

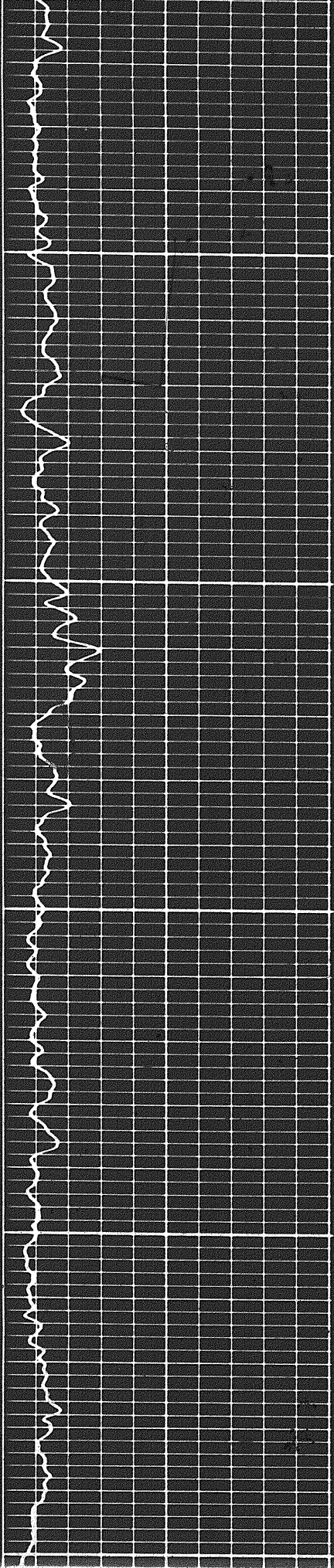


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12500

12600

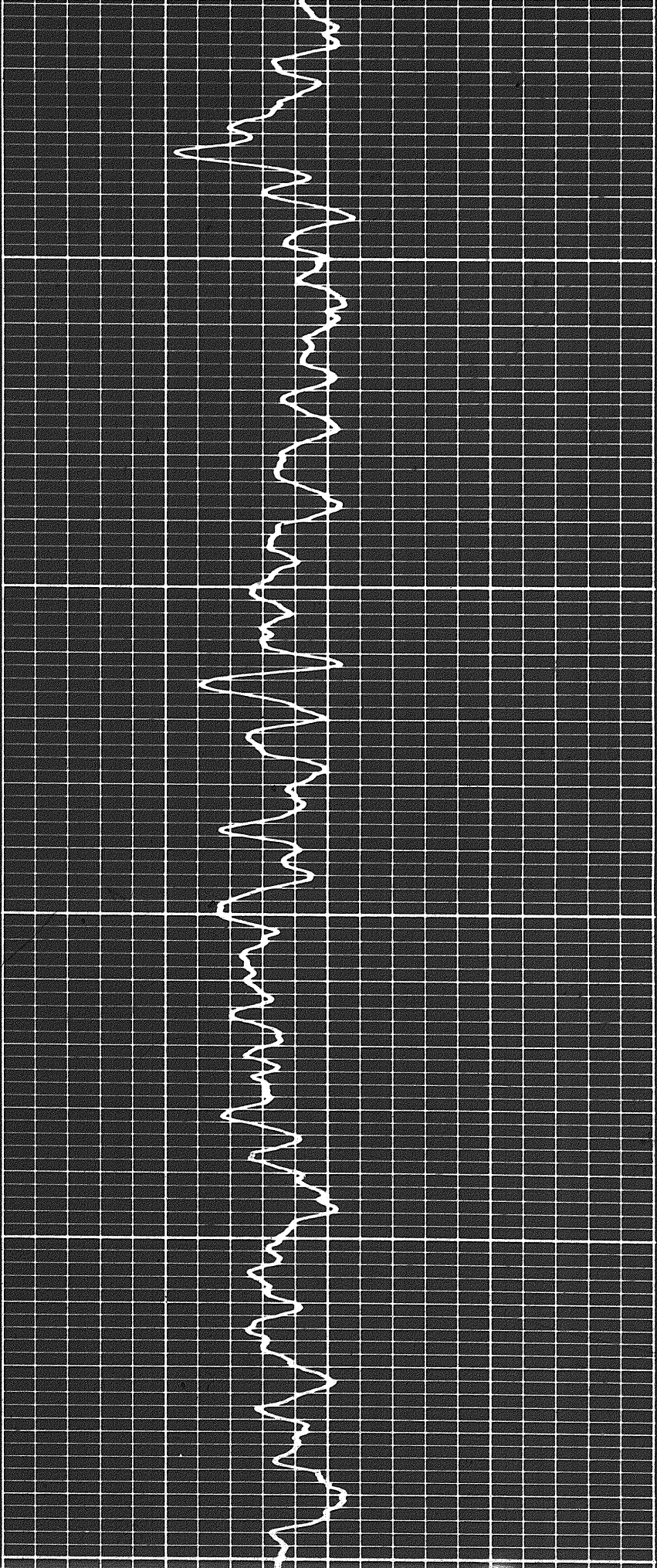




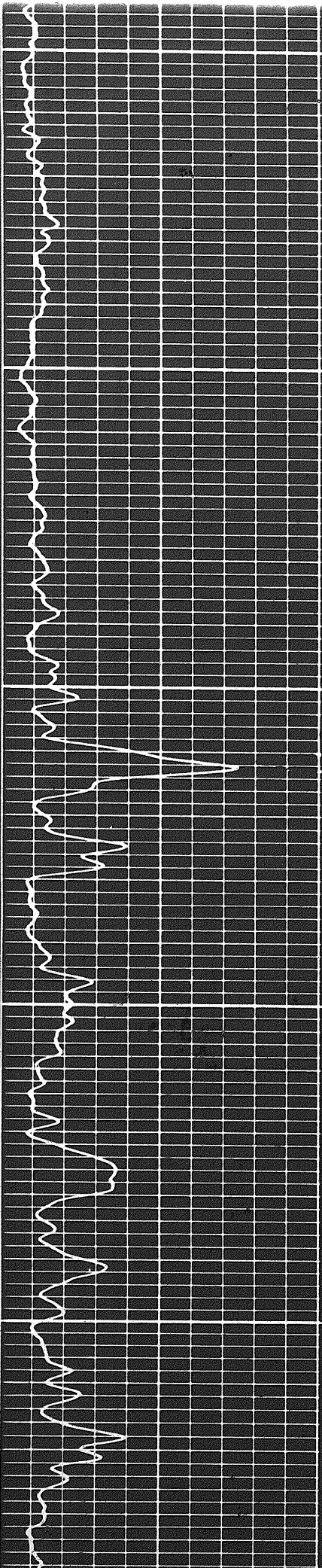
12600

12700

12800

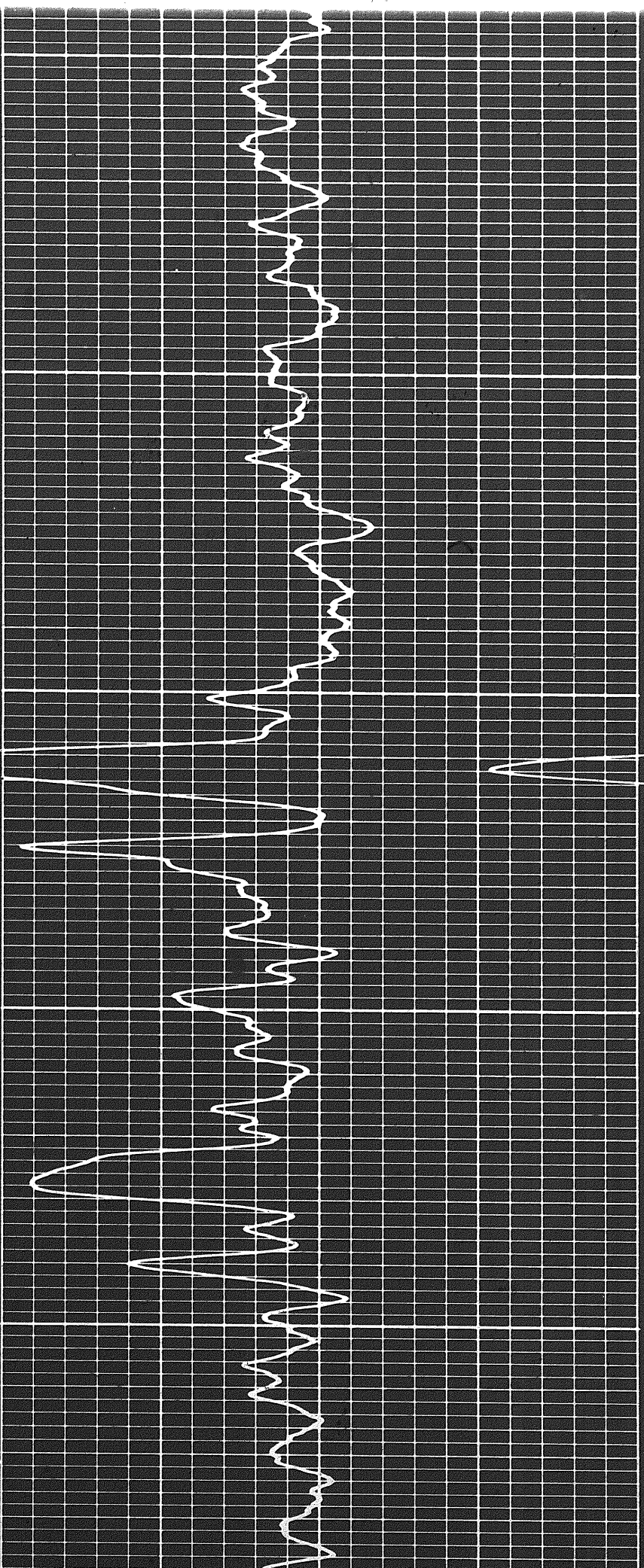


4 of

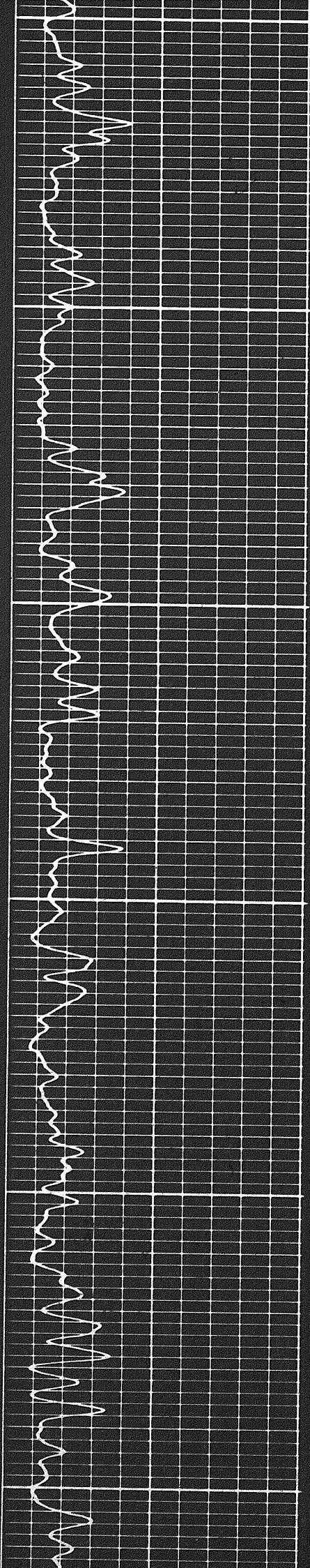


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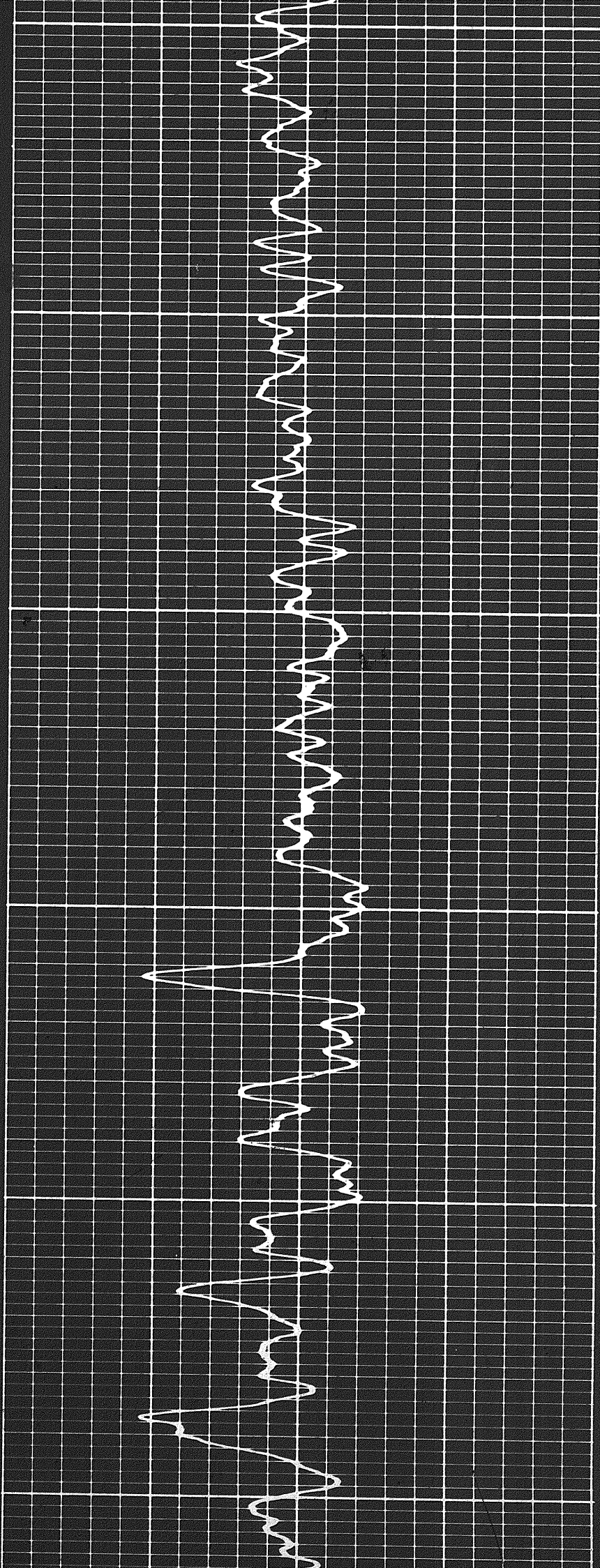
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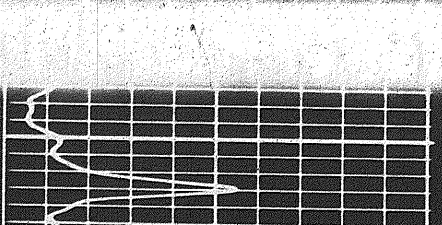
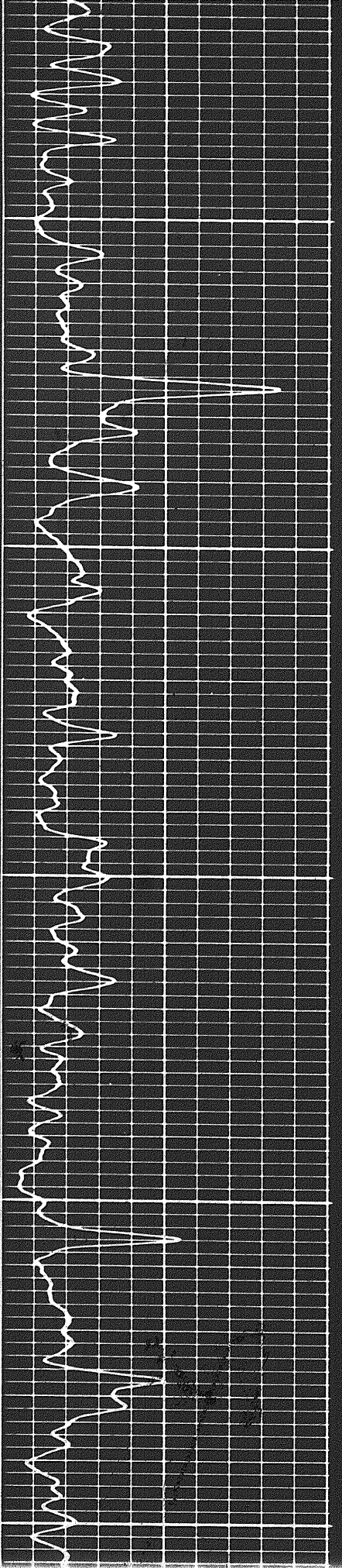
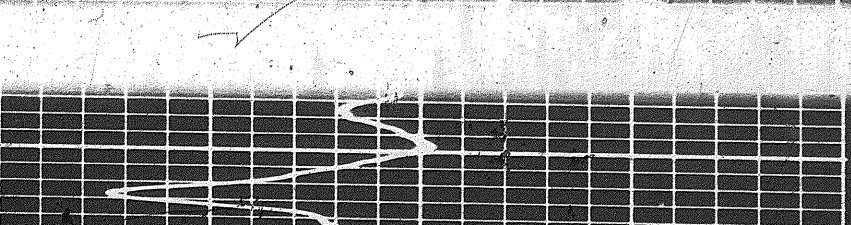
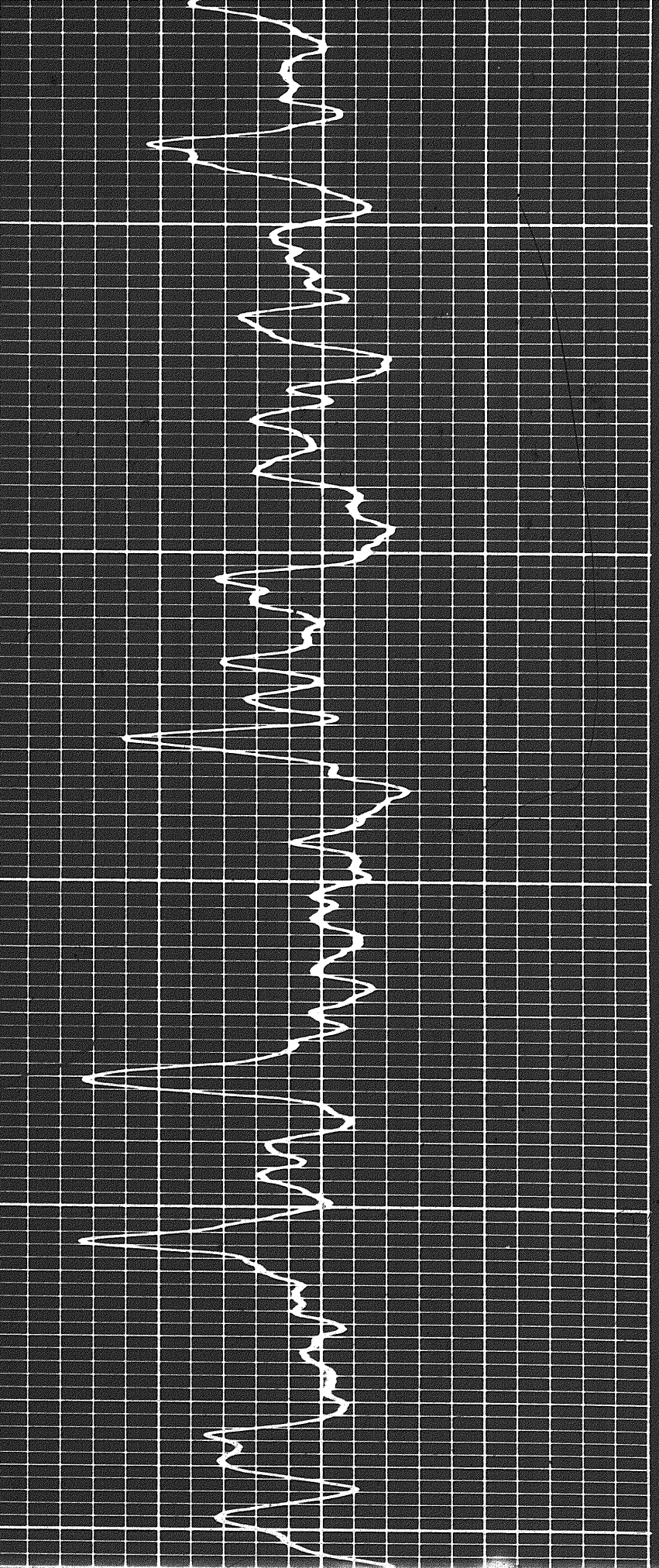


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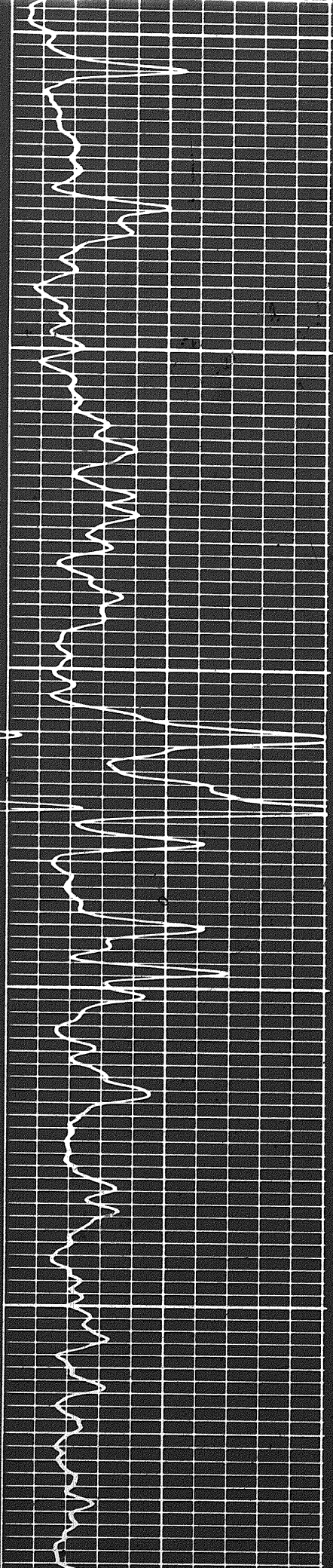
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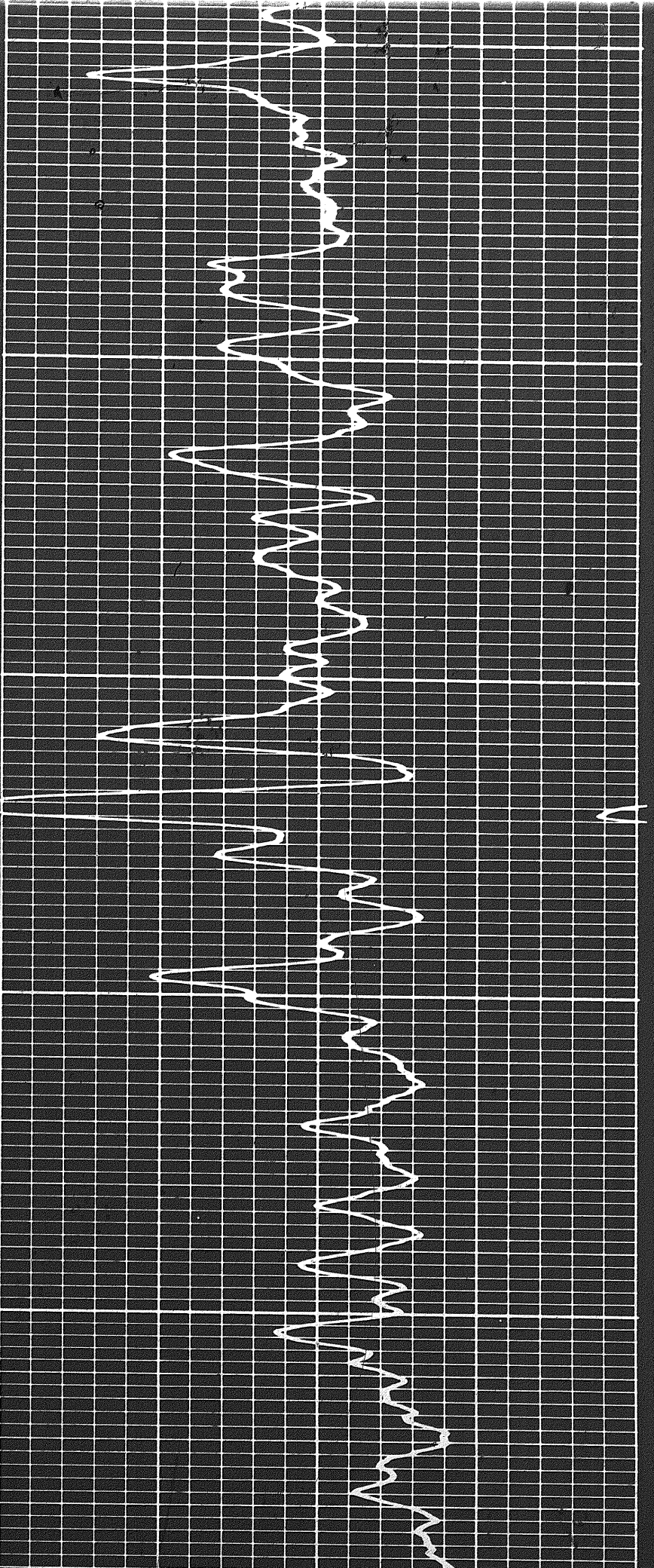


5 of

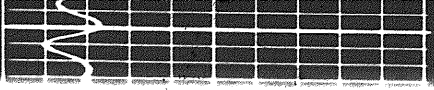


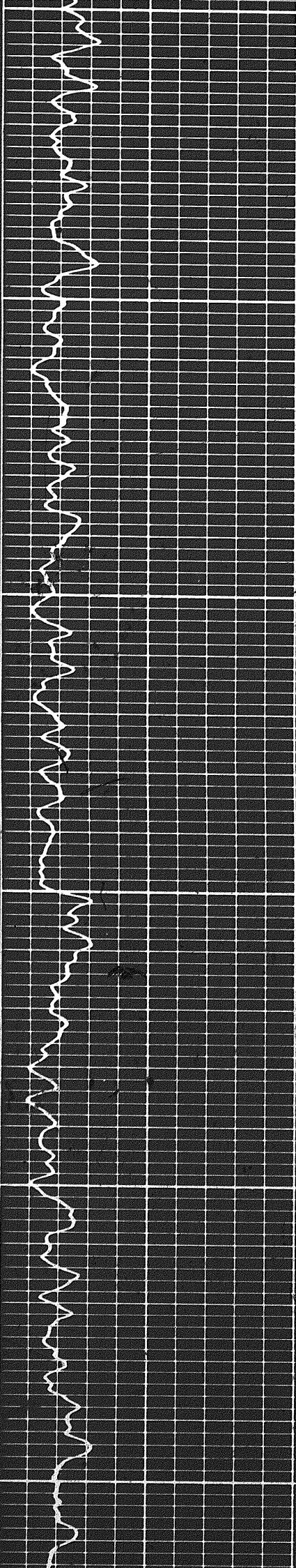
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13500



13600

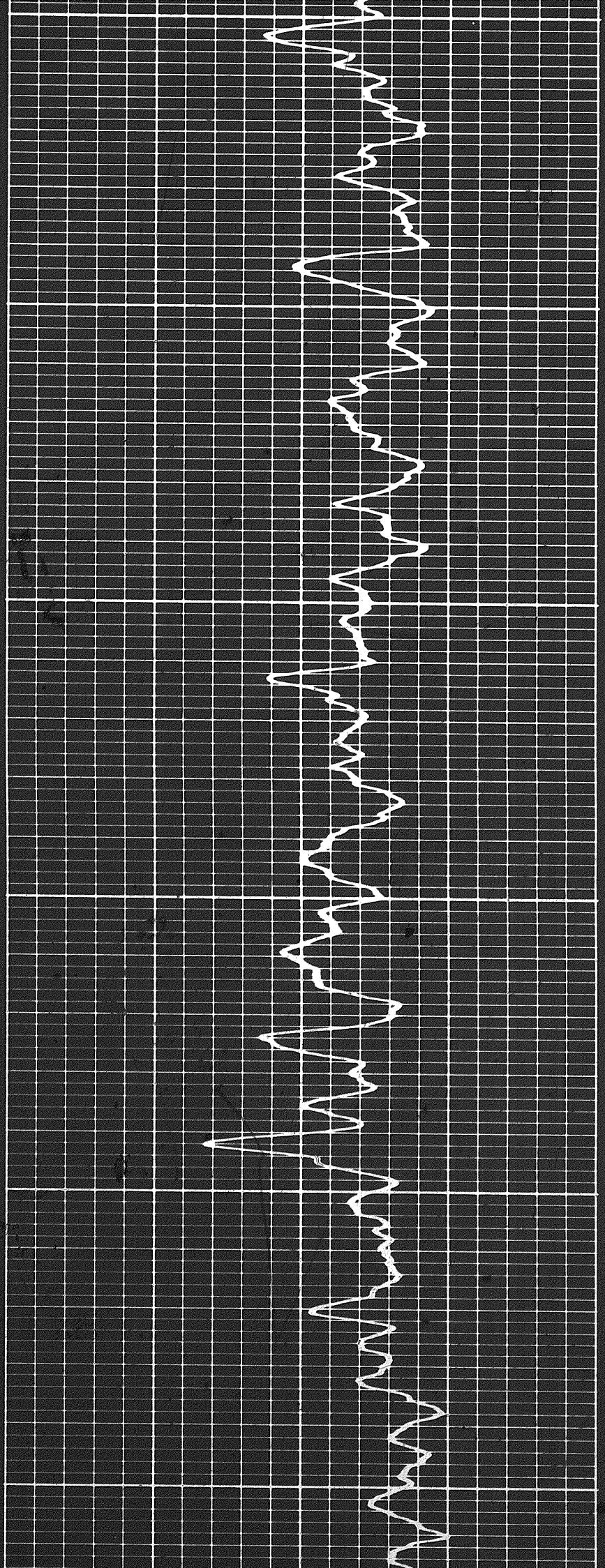


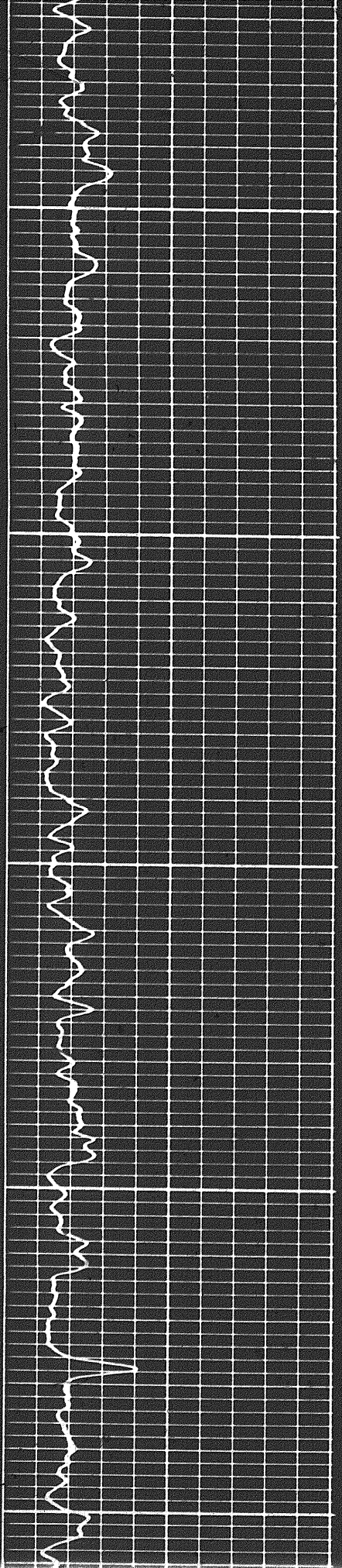


13600

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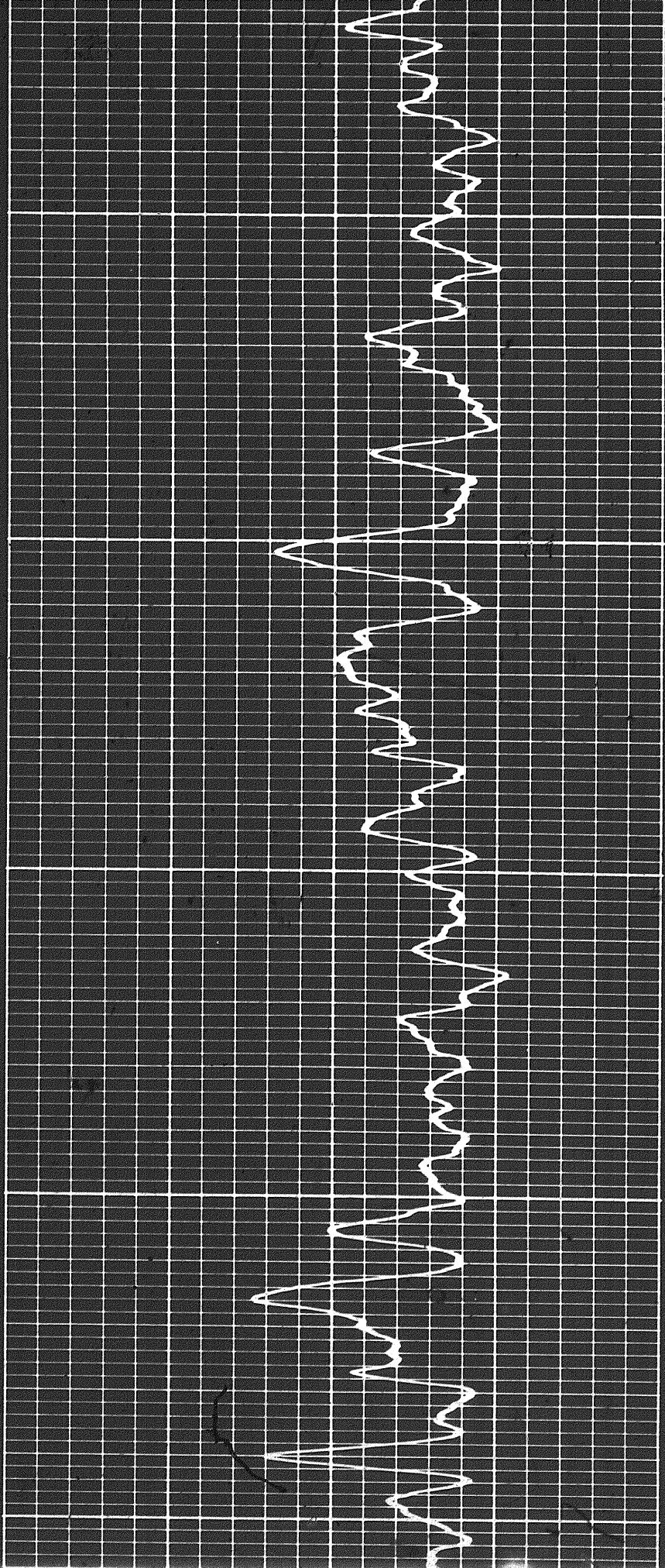




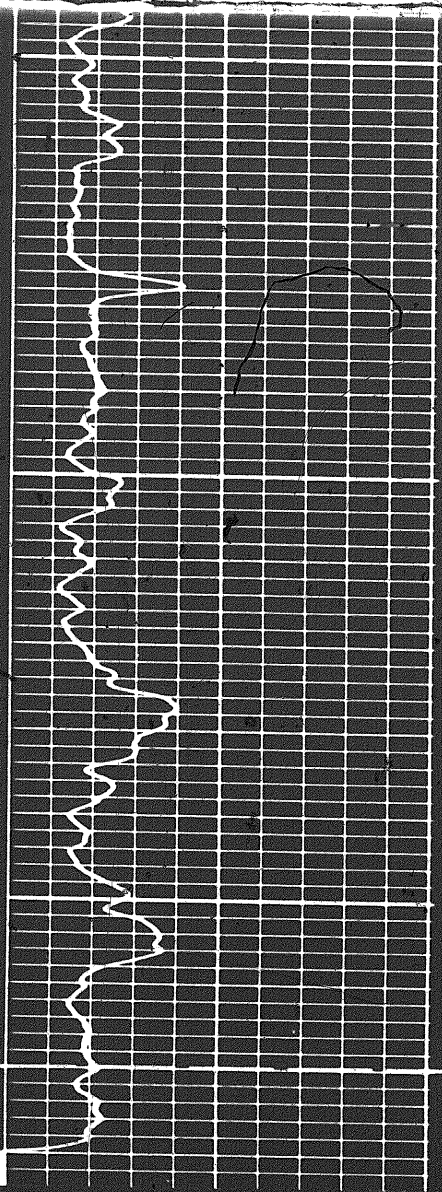
13800

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14000

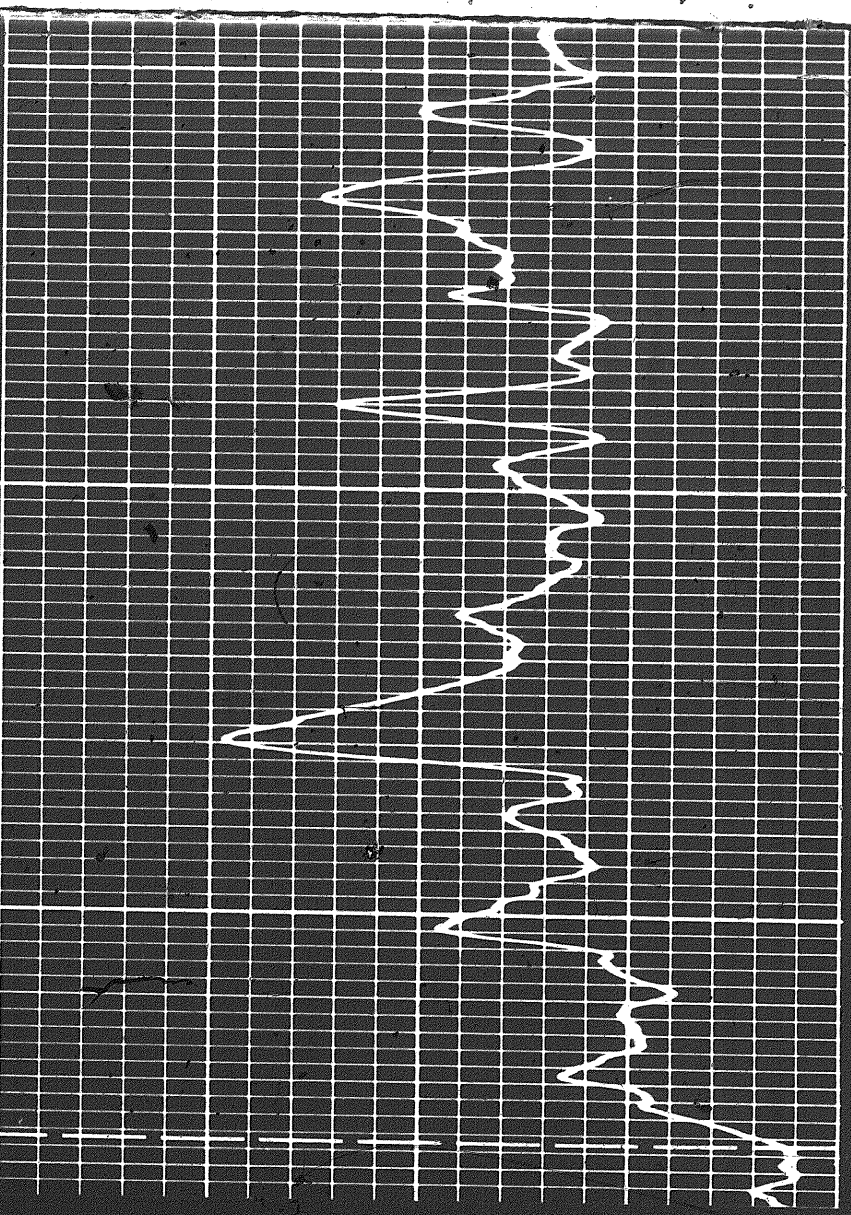


6 of

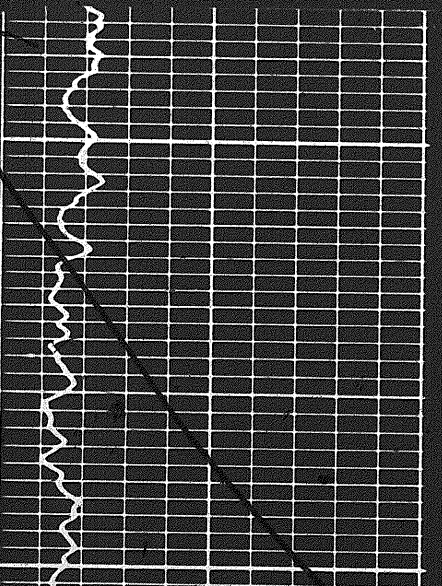


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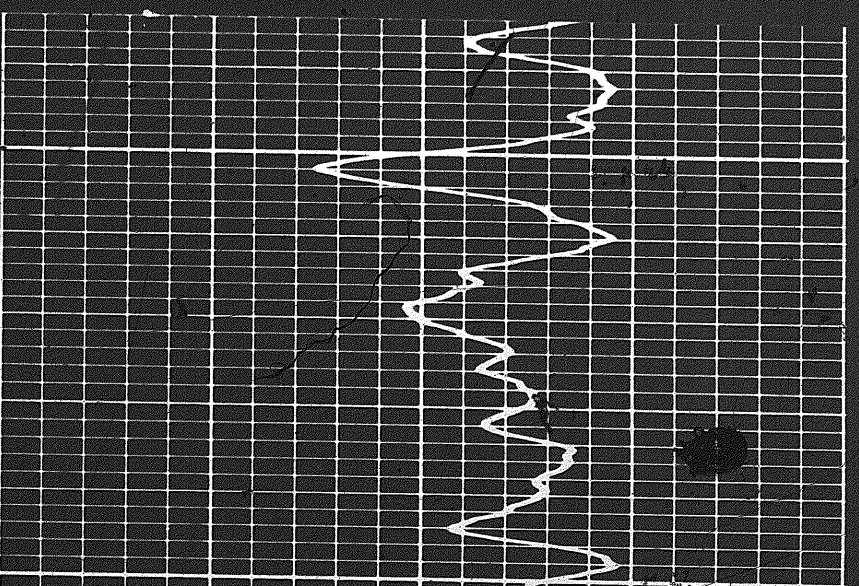
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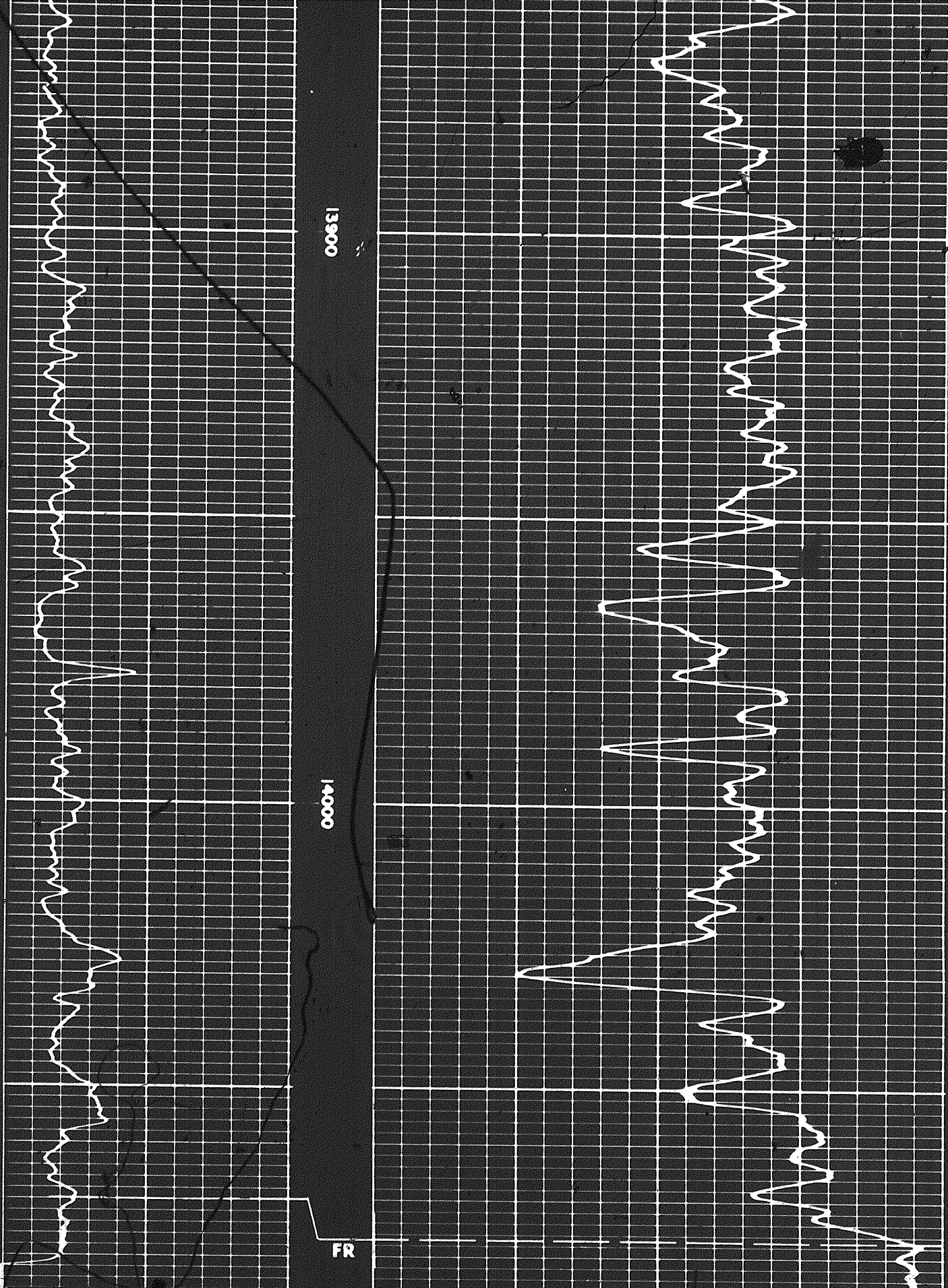


REPEAT SECTION



1390





13000

14000

FR

Interval 12156 to 14070
 Sens. 3000 T.C. 2
 Logging Speed 30 ft. min.
 ZERO 0 div. to left
 ← 0 120
 120 240

Interval 12156 to 14077
 Sensitivity 600 Time Constant 3
 Logging Speed 30 feet/minute
 ZERO 13 divisions to left of this line
 ← 2340 4140 5940
 540 2340

GAMMA RAY
API UNITS

DEPTHS

NEUTRON
API UNITS

FR

Interval 12156 14070
 Sens. 3000 TC 2
 Logging Speed 30 ft. min.
 ZERO 0 div. to left
 0 120
 120 240

Interval 12156 to 14077
 Sensitivity 600 Timr. Constant 3
 Logging Speed 30 feet/minute
 ZERO 13 divisions to left of this line
 2340 4140 5940
540 2340

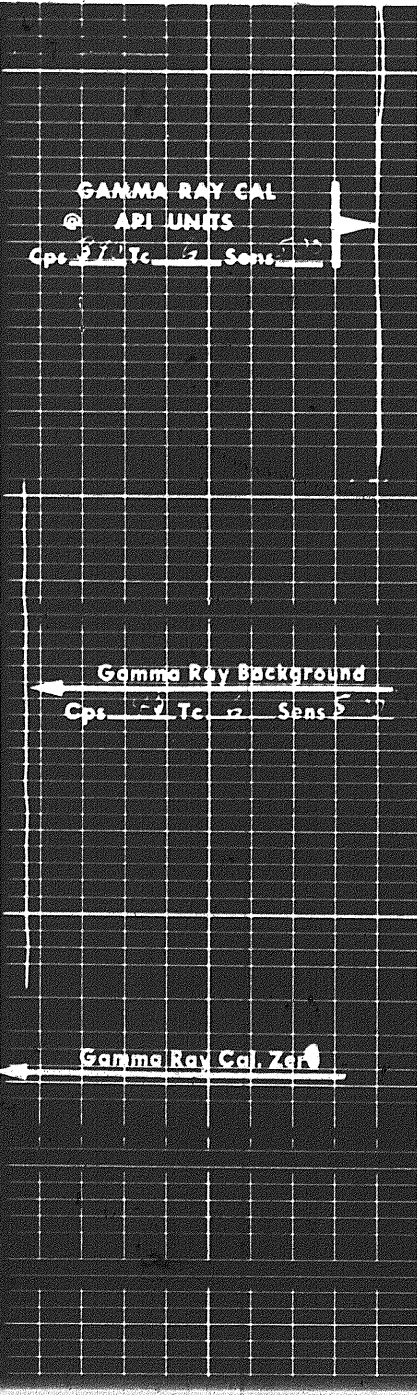
GAMMA RAY
API UNITS

DEPTHS

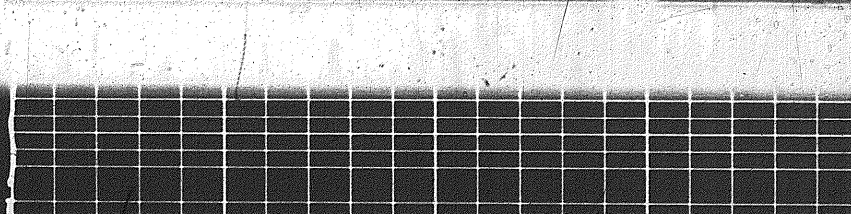
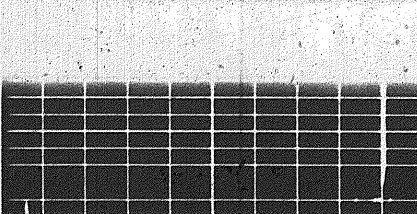
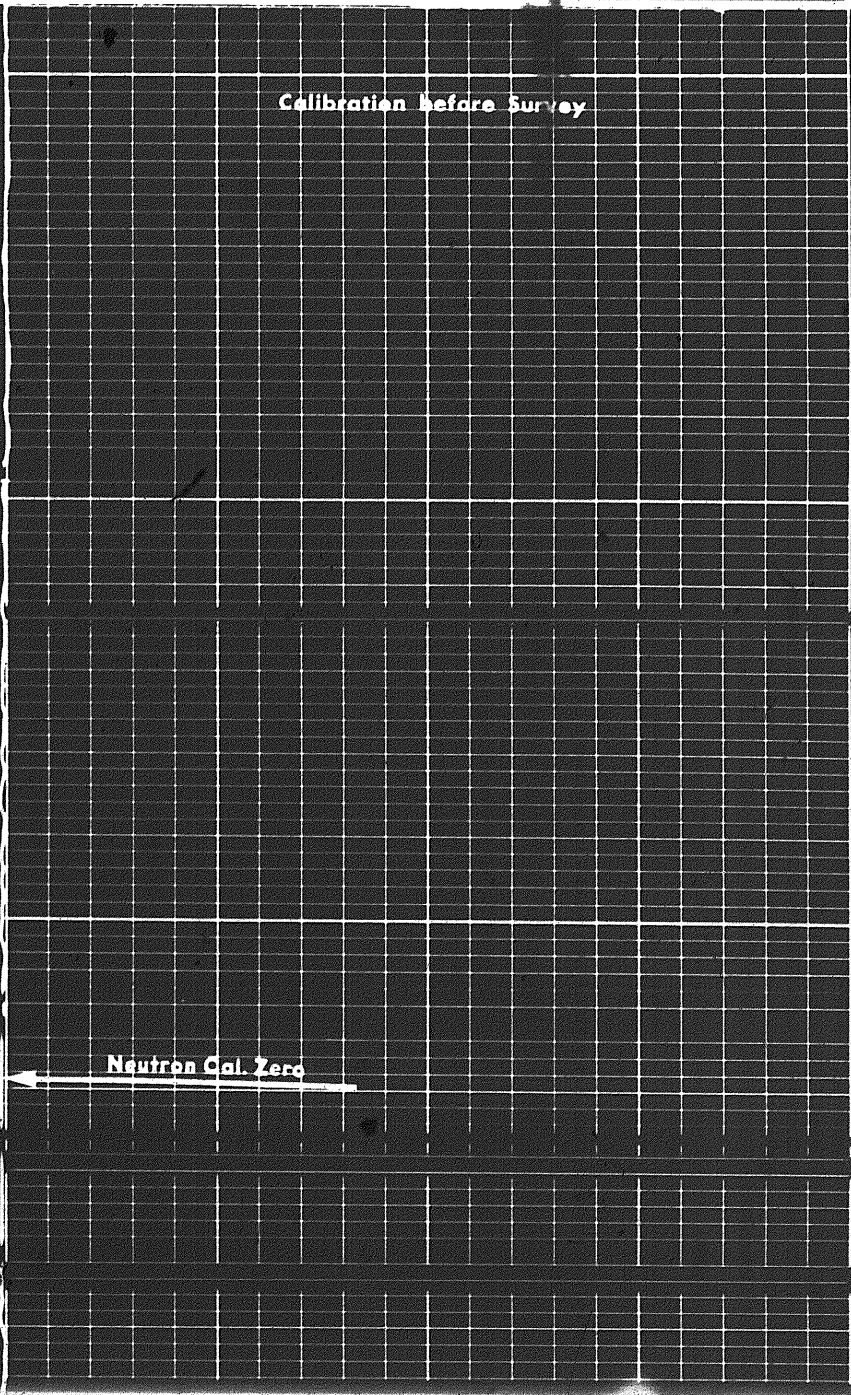
NEUTRON
API UNITS

COMPANY CANADA SOUTHERN PETROLEUM LIMITED Rm 0.60 (a) 62 F SOC FR 14077
 Rmf 0.48 (a) 66 F SOC TD 14078
 Rmc 1.23 (a) 68 F DRLR TD 14059
 BHT 356 F Elev.:
 KB 1446.1
 GL 1430.0
 CBF _____

WELL CANADA SOUTHERN ET AL N BEAVER R YT 1-27
 FIELD WILDCAT PROVINCE YUKON TERRITORY



1900



1900

Gamma Ray Background

Cps 17 Tc 12 Sens 5

Gamma Ray Cal. Zero

Neutron Cal. Zero

Neutron Background

Cps 3 Tc 1 Sens 5

Jig in Far Position

Cps 12 Tc 6 Sens 5

Handwritten scribbles on the left margin.

Jig in Far Position

Cps 110 Tc Sens 5.2

Jig in Near Position

Cps 100 Tc Sens 5.2

2000

0000

Calibration after Survey

Jig in Far Position

Cps 110 Tc Sens 5.2

Jig in Near Position

Cps 100 Tc Sens 5.2

9900

9900

GAMMA RAY CAL

© API UNITS

Cps 110 Tc Sens 5.2

Jig in Far Position
Cps 2.7 Tc 5.2 Sens 5.2

Jig in Near Position
Cps 4.1 Tc 6.9 Sens 5.9

GAMMA RAY CAL
@ API UNITS
Cps 4.0 Tc 6.2 Sens 5.9

Gamma Ray Background
Cps 4.0 Tc 6.2 Sens 5.9

Neutron Background
Cps 3 Tc 4 Sens 5.9

Gamma Ray Cal. Zero

Neutron Cal. Zero

0066

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