




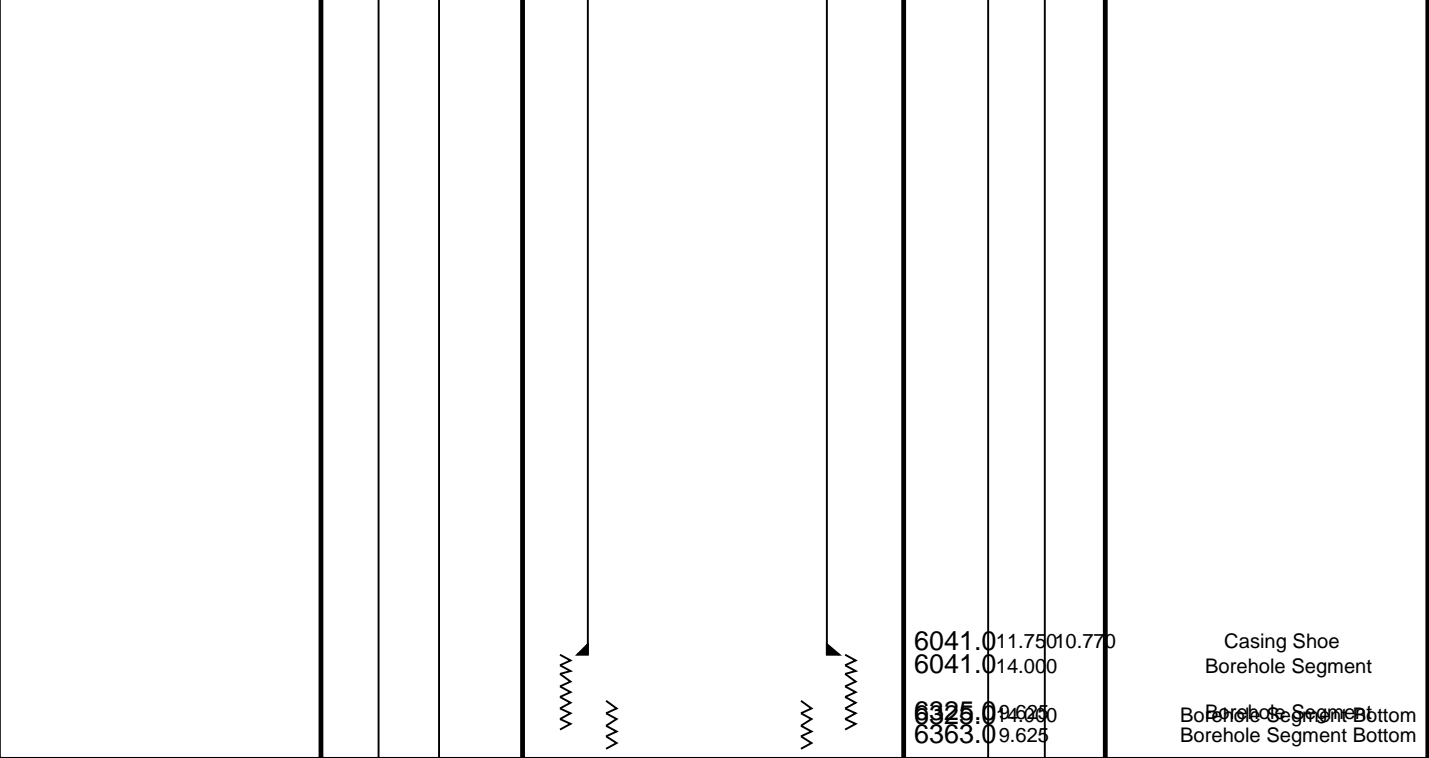


							MUD										County:	Morgan	[REDACTED]
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County: **Morgan** State: **Colorado**

[illegible]

Rig: Unit Drilling 134					
Crew: Shane Walker & Brent Westhoff					
RUN 1			RUN 2		
SERVICE ORDER #: 11718597			SERVICE ORDER #:		
PROGRAM VERSION: 15C0-309			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT					
GSR-U/Y WITM (DTS)-A					
DOWNHOLE EQUIPMENT					
LEH-QT LEH-QT		45.1			
DTC-A ECH-KN DTC-A	CTEM 	41.2 42.2			
SGT-N SGH-K SGC-TB SGD-TAB	TelStatus Gamma Ray 	34.2 33.3 34.2			
AH-IL1 AH-IL1		28.7			
DSLT-FTB DSLK-B ECH-KH SLS-W		24.9			



All depths are driller's depths

Company: Windy Hill Gas Storage, LLC Well: Windy Hill 7-17S

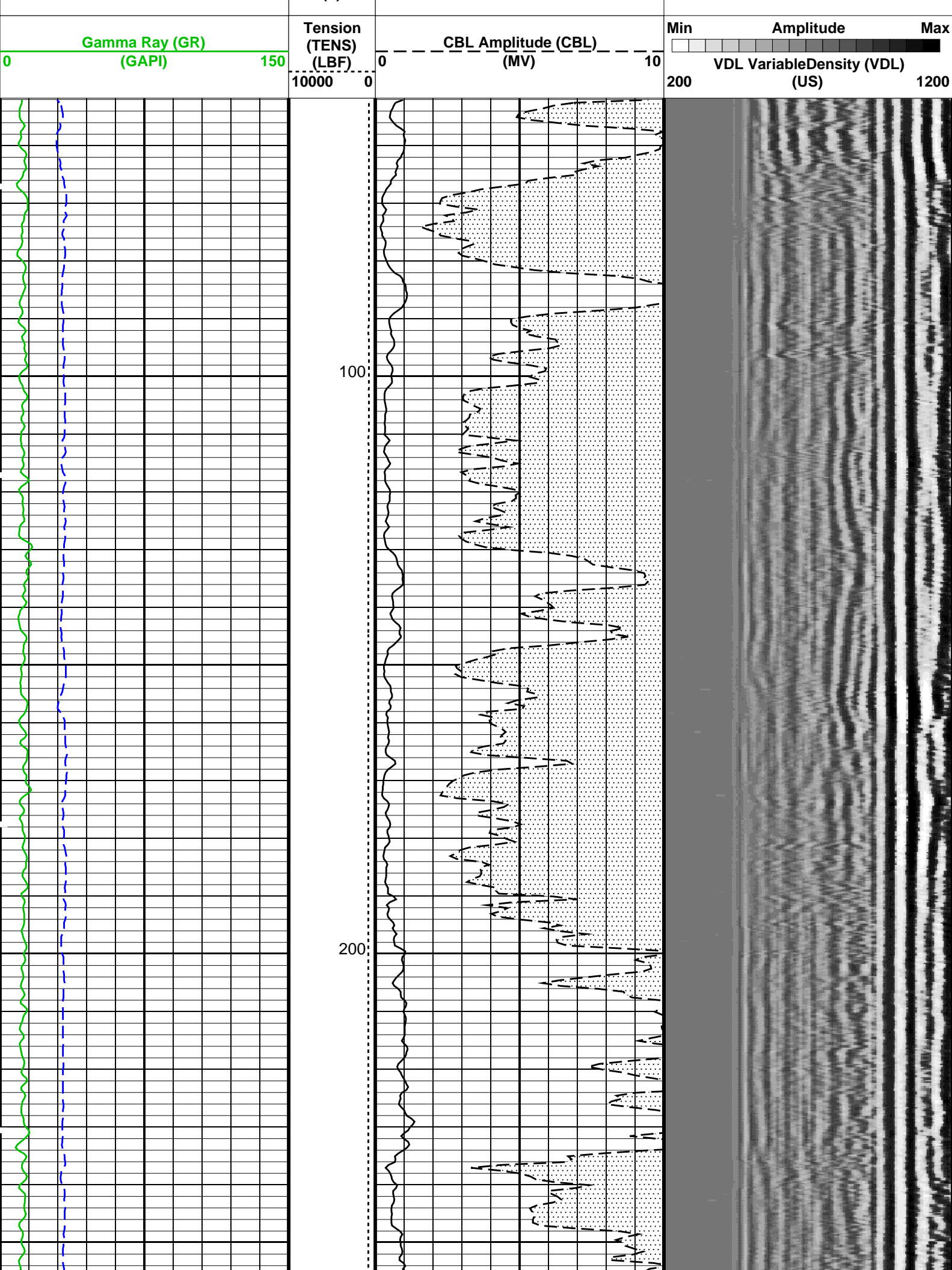
Input DLIS Files						
DEFAULT	SONIC_013LUP	FN:12	PRODUCER	31-Jul-2007 11:59	5995.0 FT	50.0 FT
Output DLIS Files						
DEFAULT	SONIC_029PUP	FN:11	PRODUCER	31-Jul-2007 15:14	5995.0 FT	51.5 FT

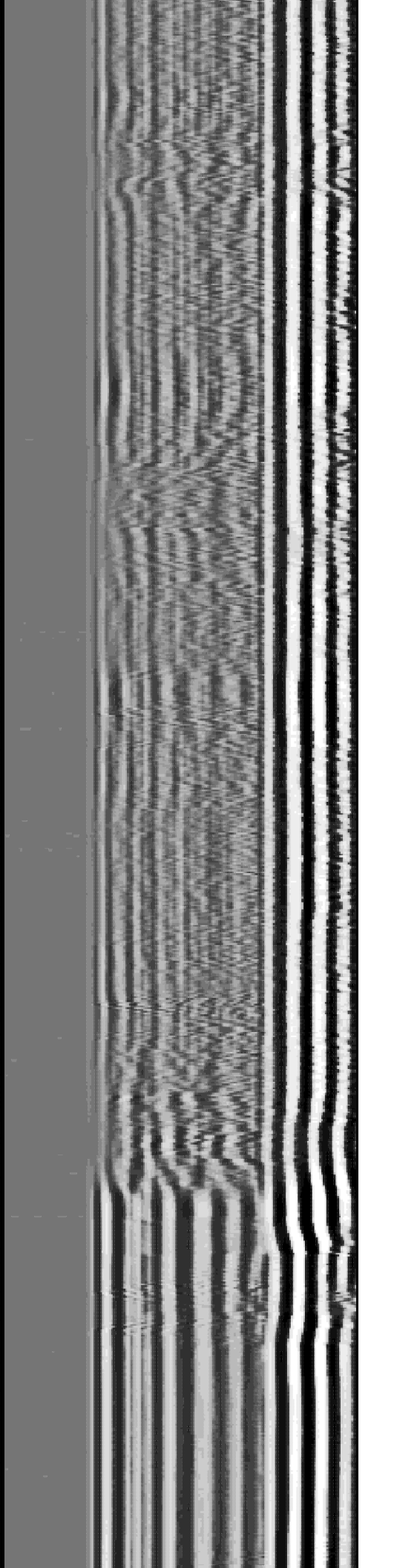
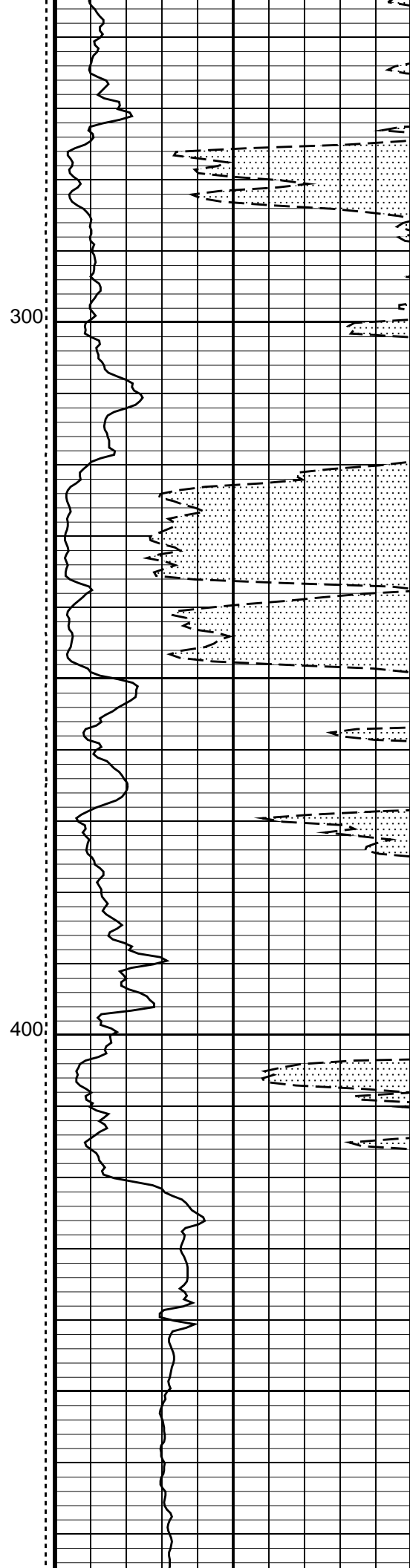
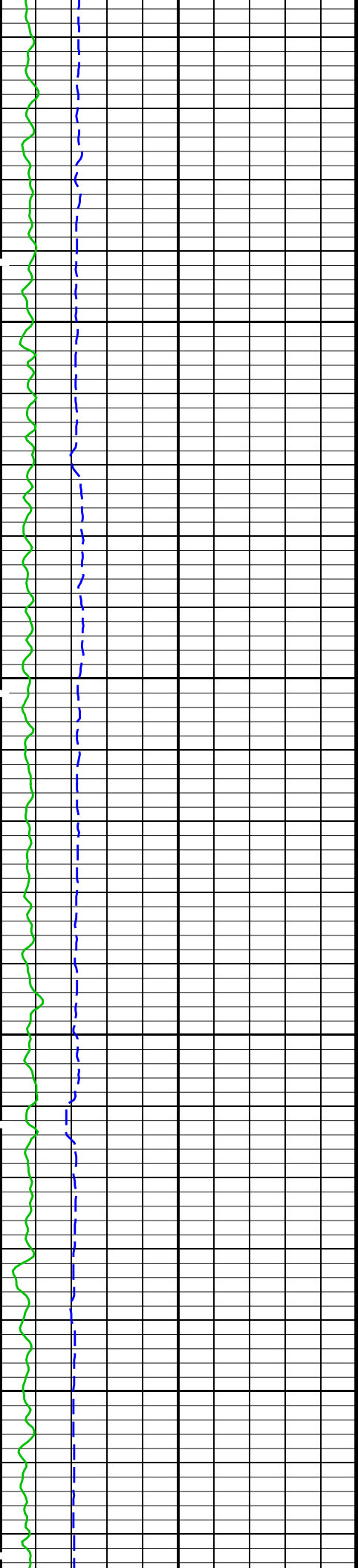
OP System Version: 15C0-309			
MCM			
DSLT-FTB	15C0-309	SGT-N	15C0-309
DTC-A	15C0-309		

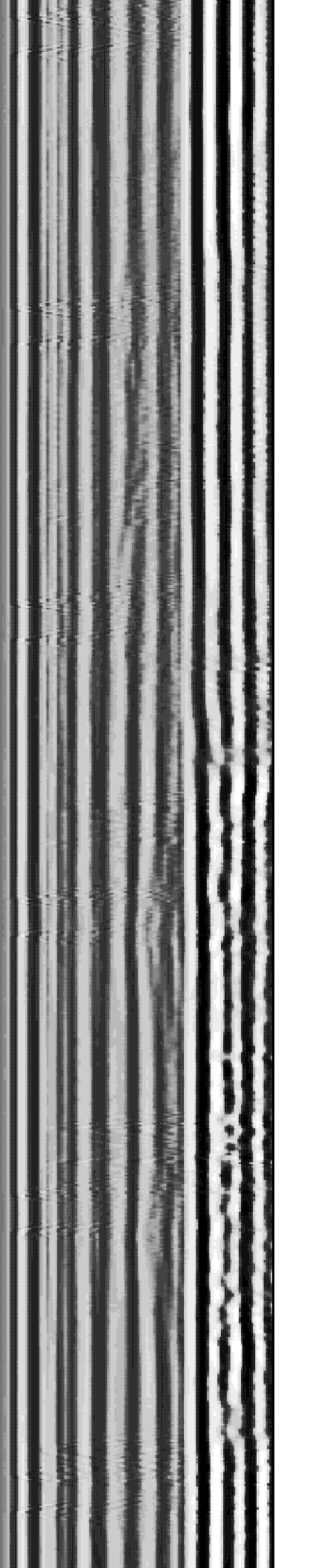
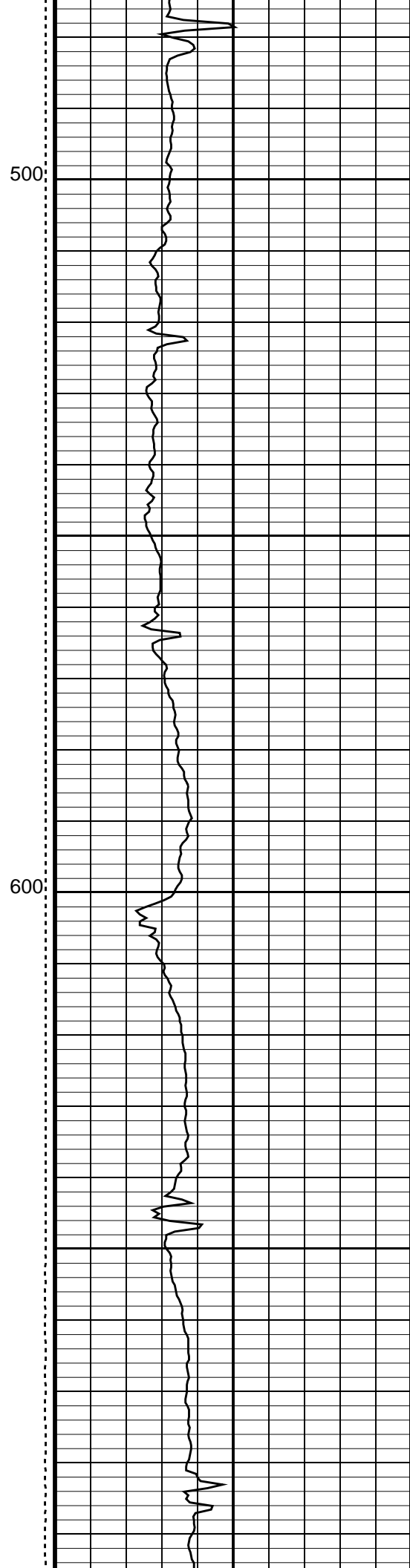
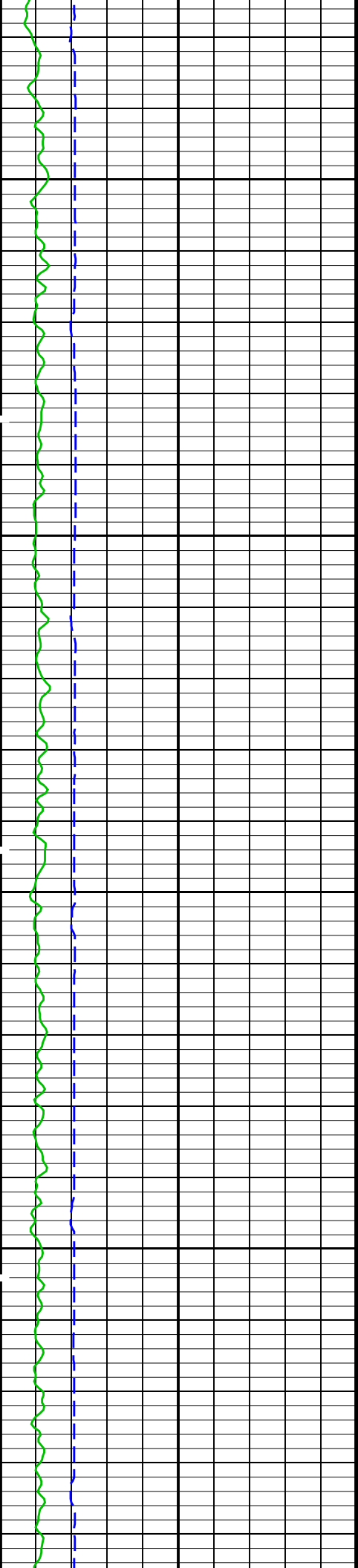
PIP SUMMARY

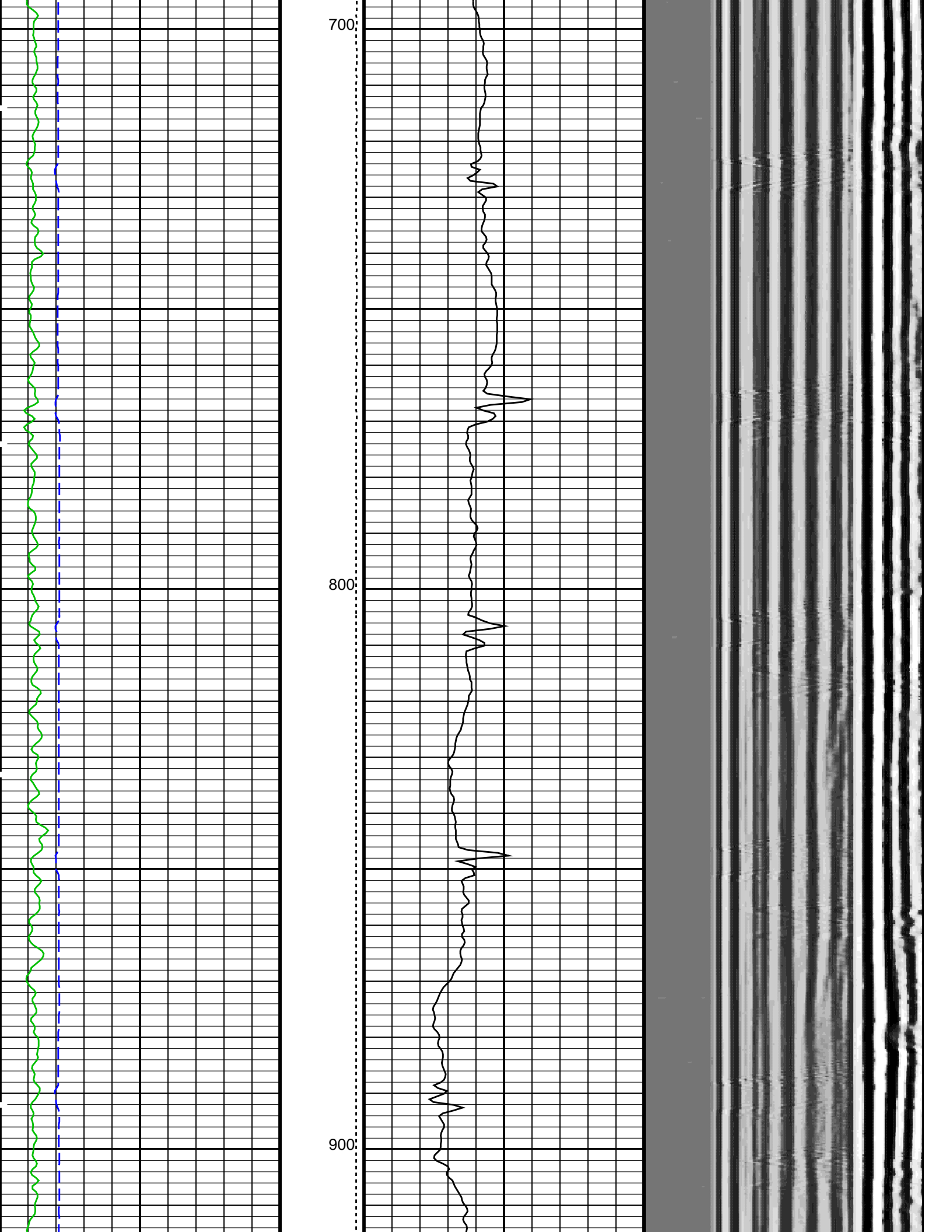
☒ Time Mark Every 60 S

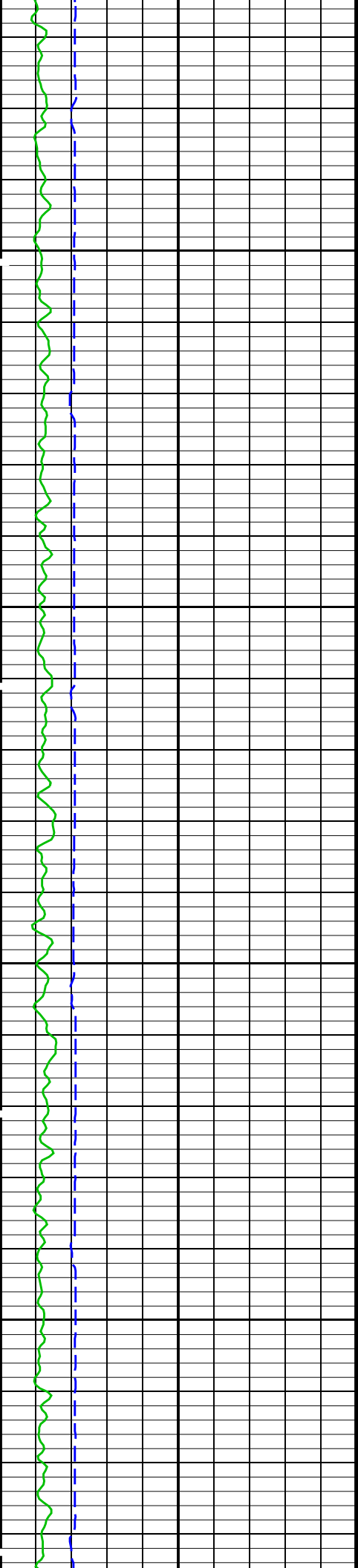
	Tool/Tot. Drag From D3T to STIA	GoodBond From ACBL to GOBO	
	Cable Drag From STIA to STIT	0	10
Transit Time (TT) (US)	Stuck Stretch (STIT)	Good Bond (GOBO) (MV)	
	0 (F) 50	0	100





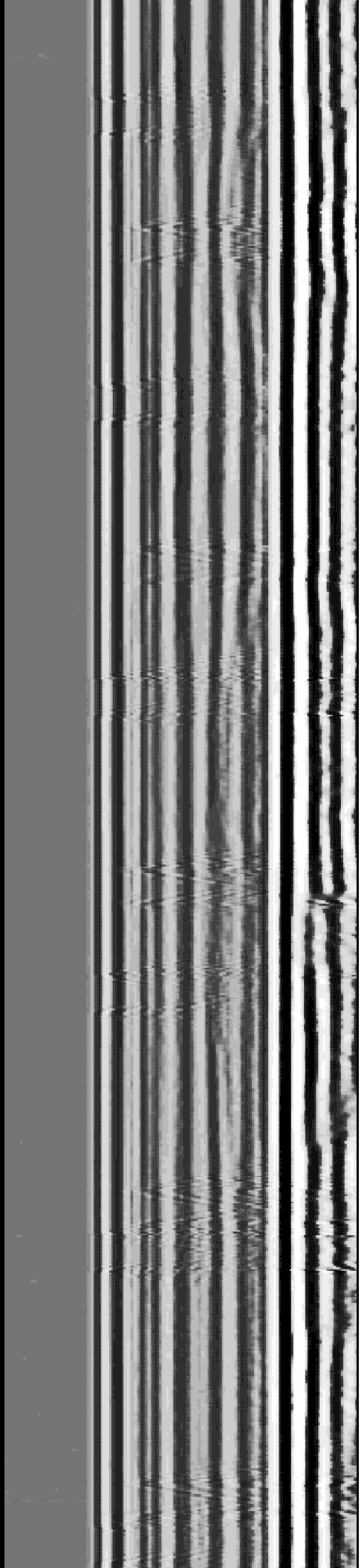
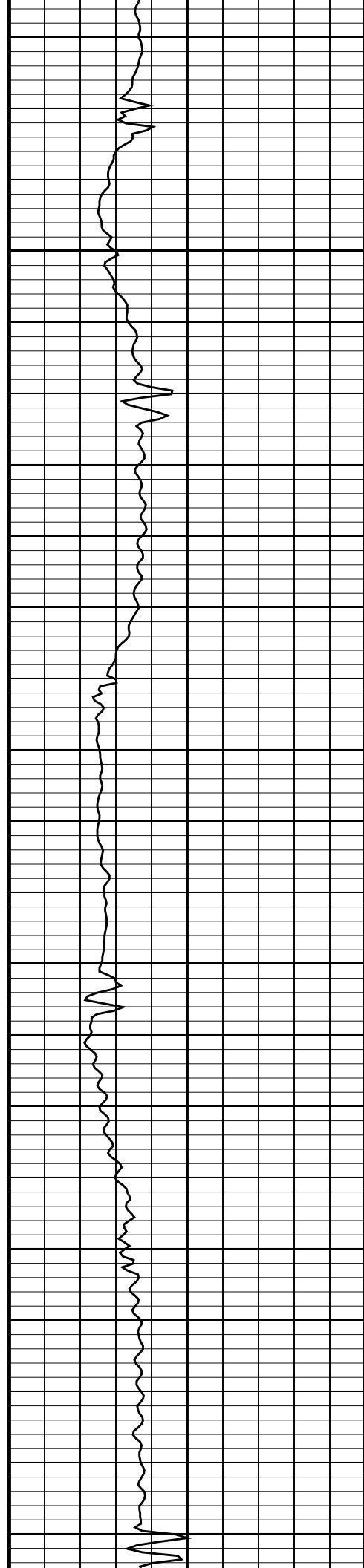


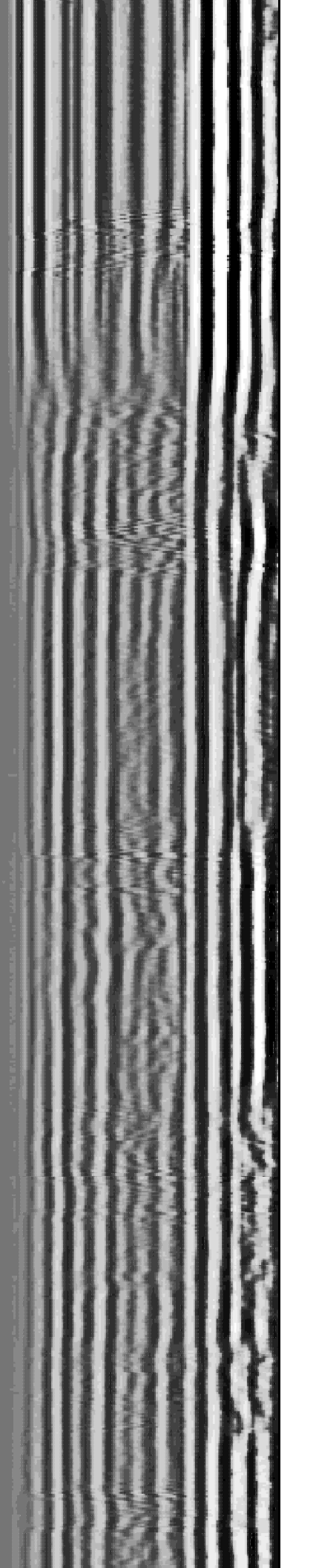
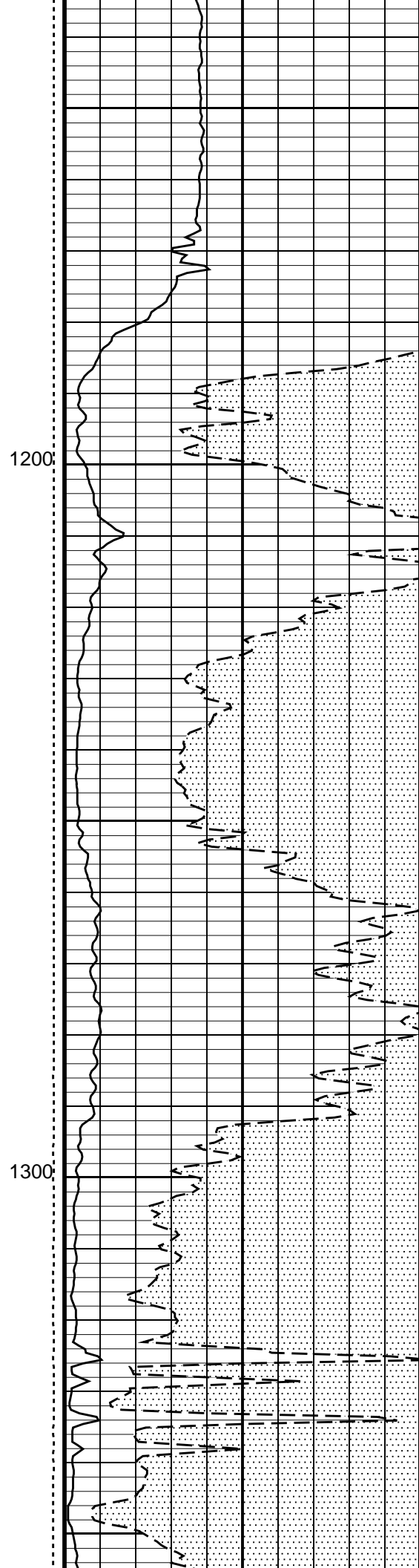
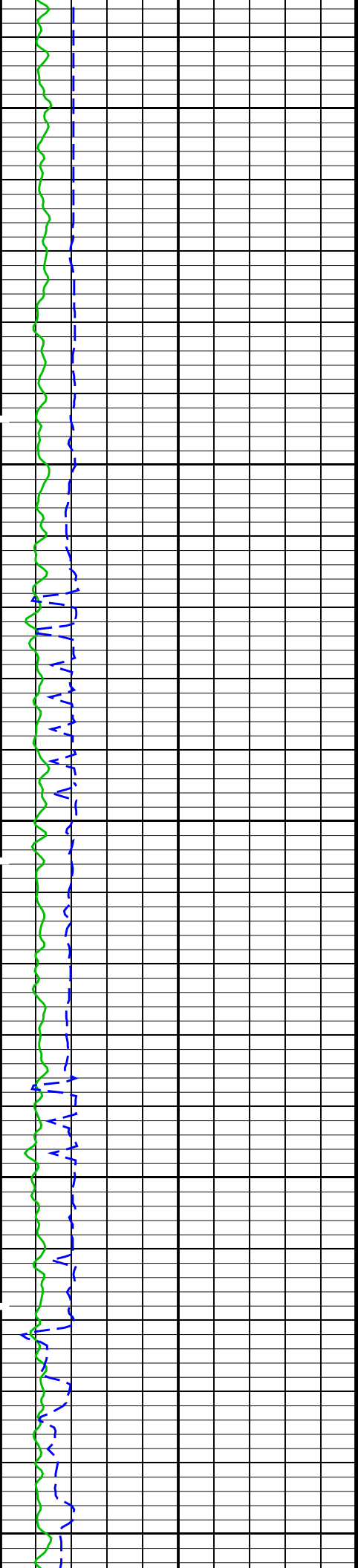


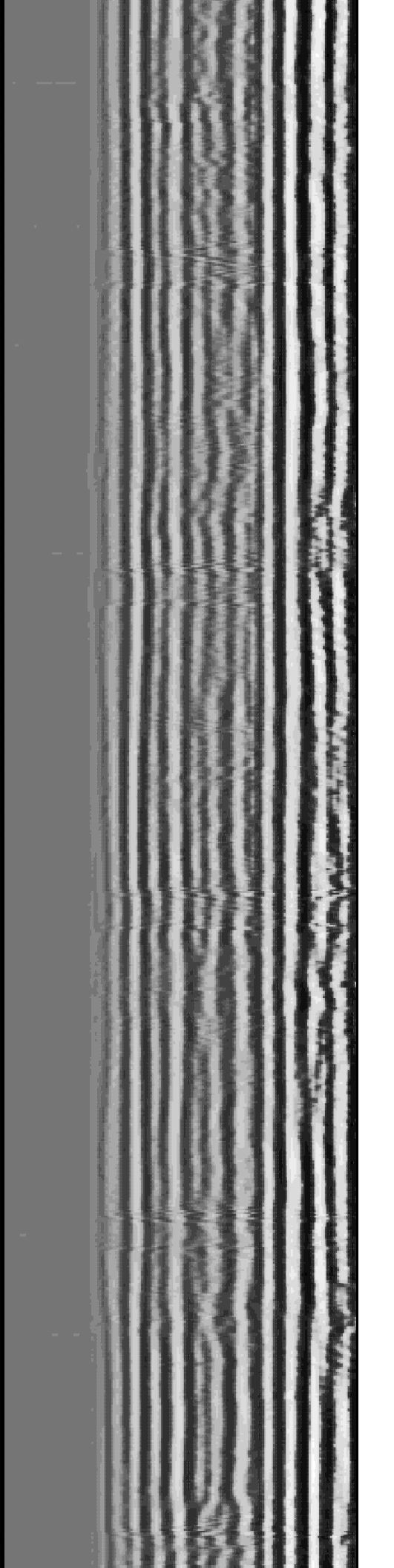
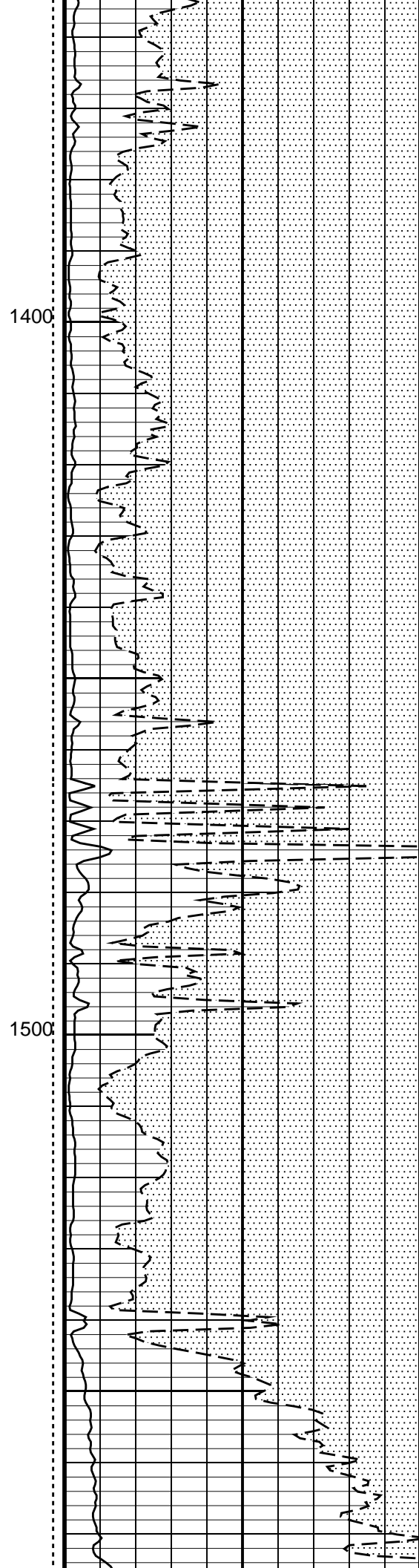
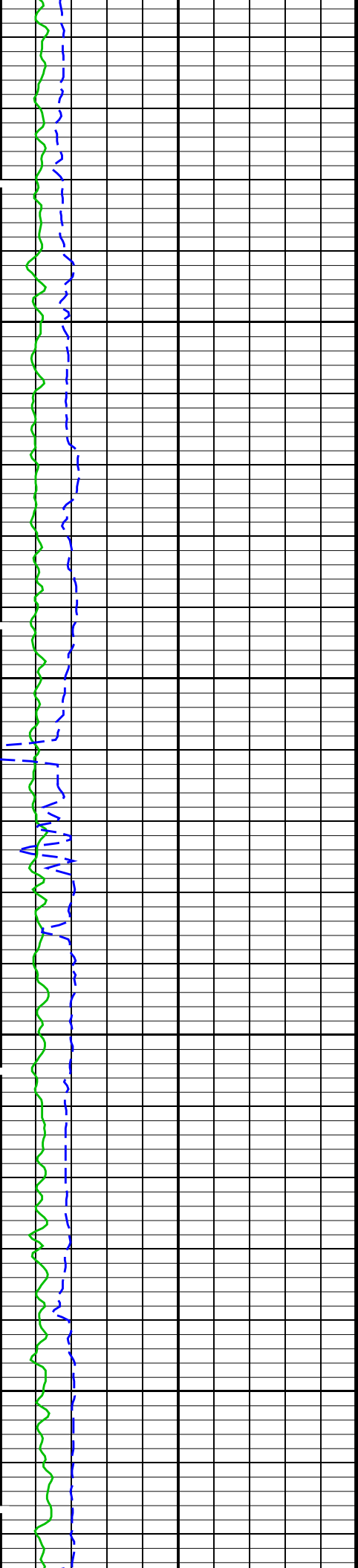


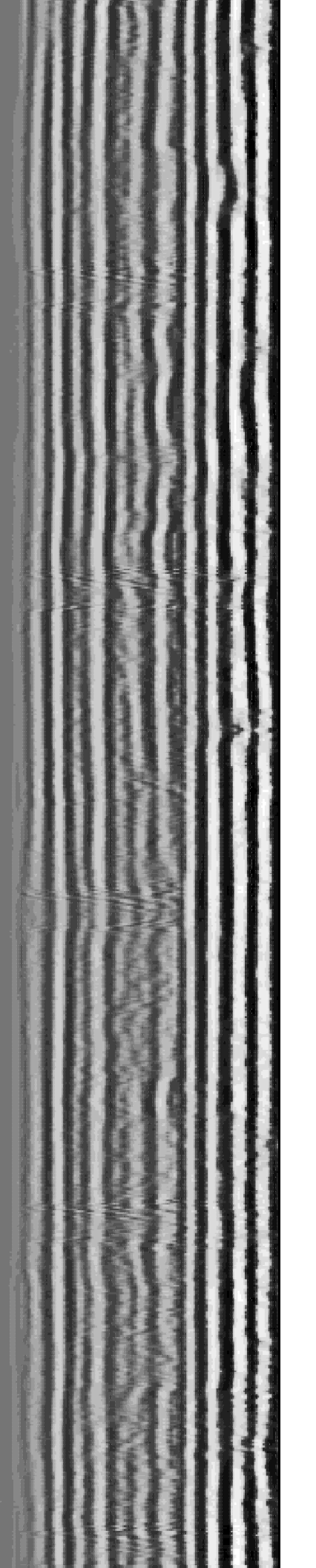
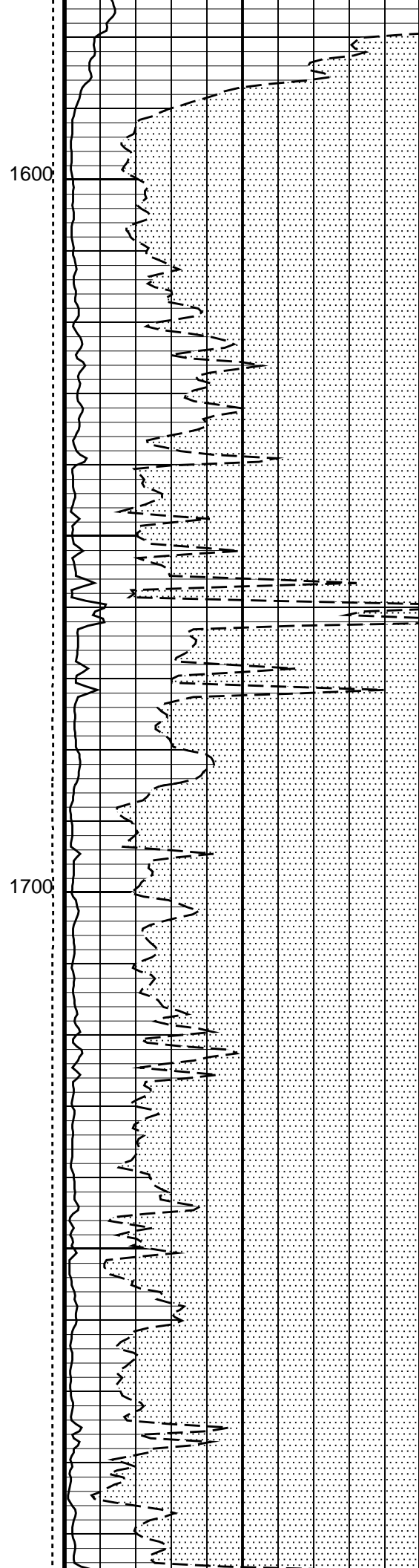
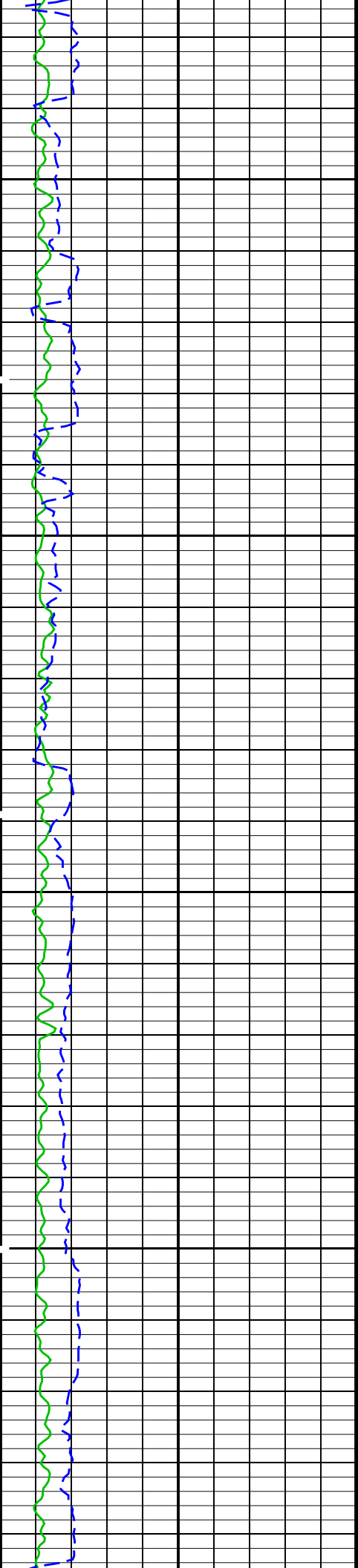
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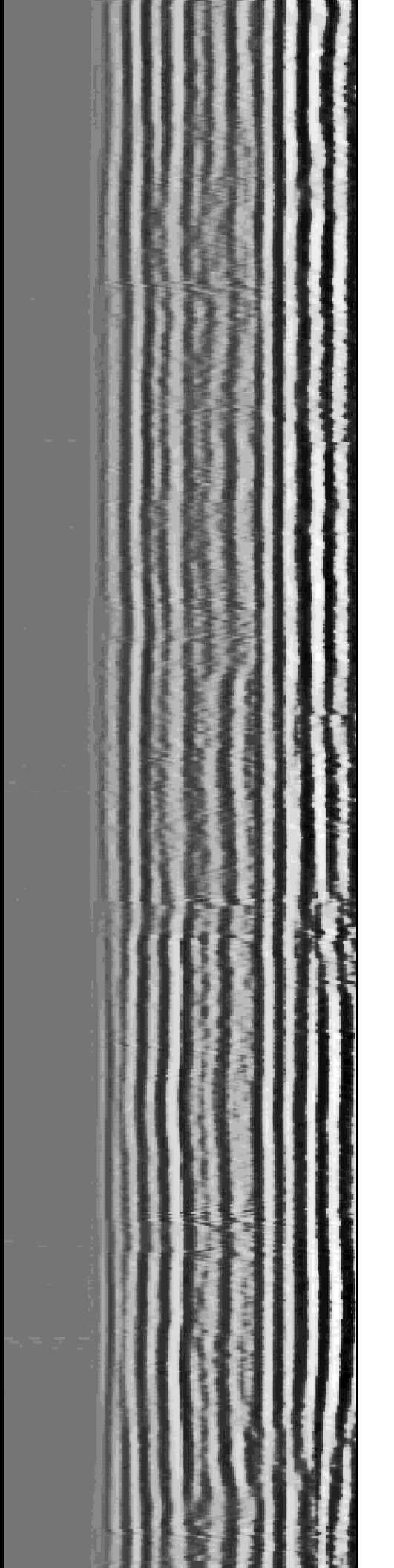
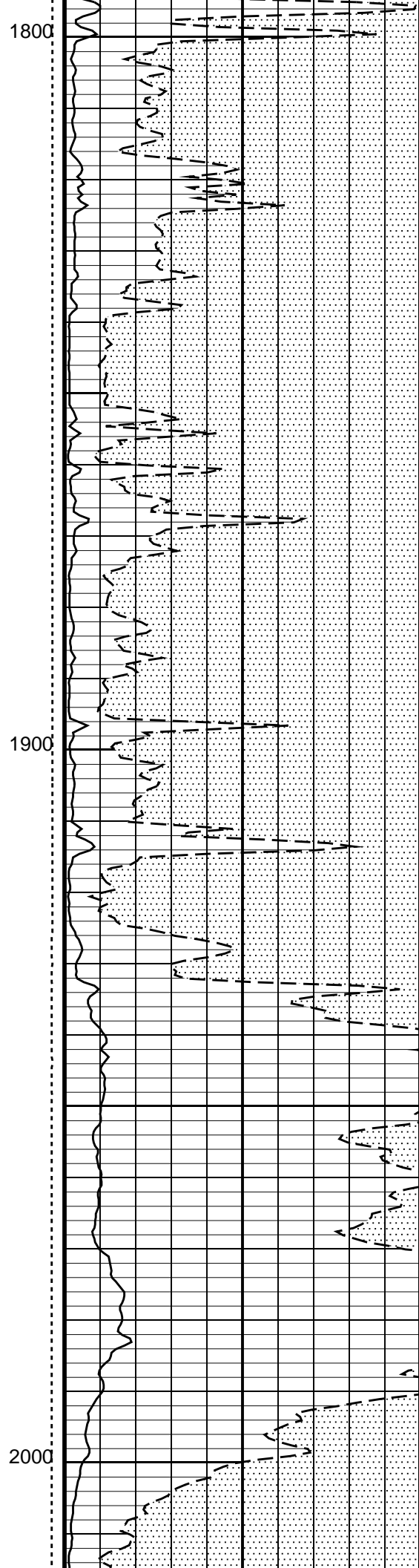
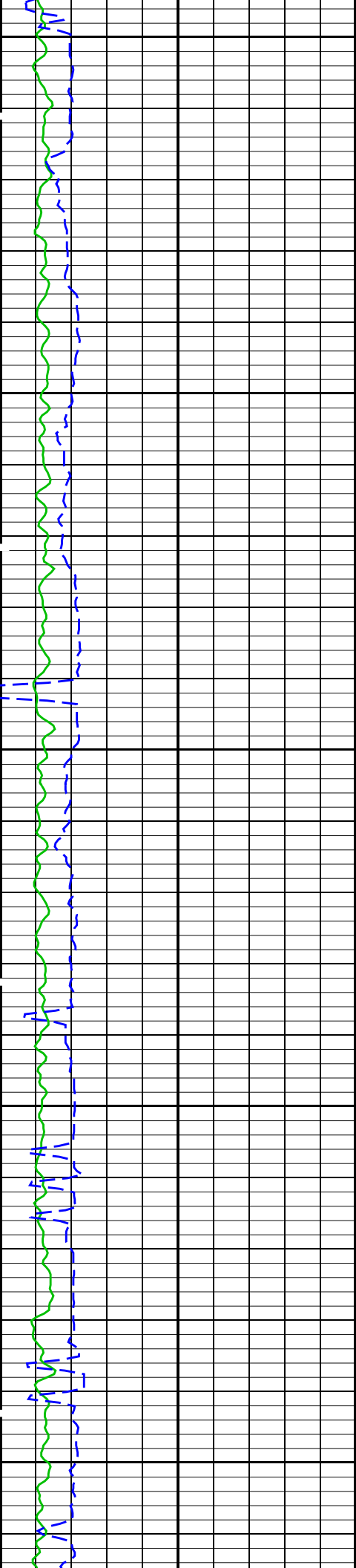
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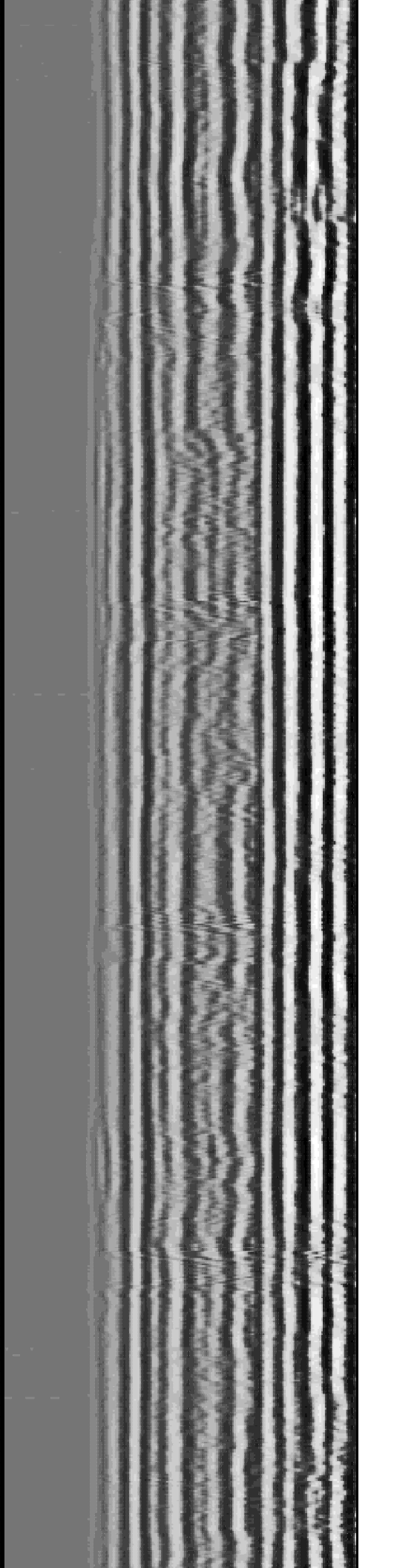
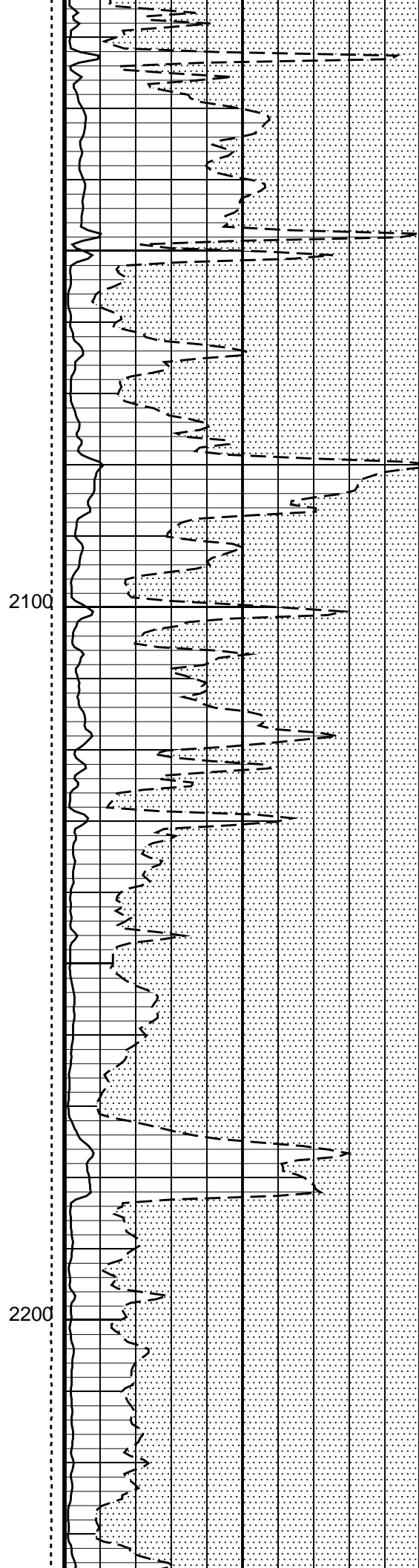
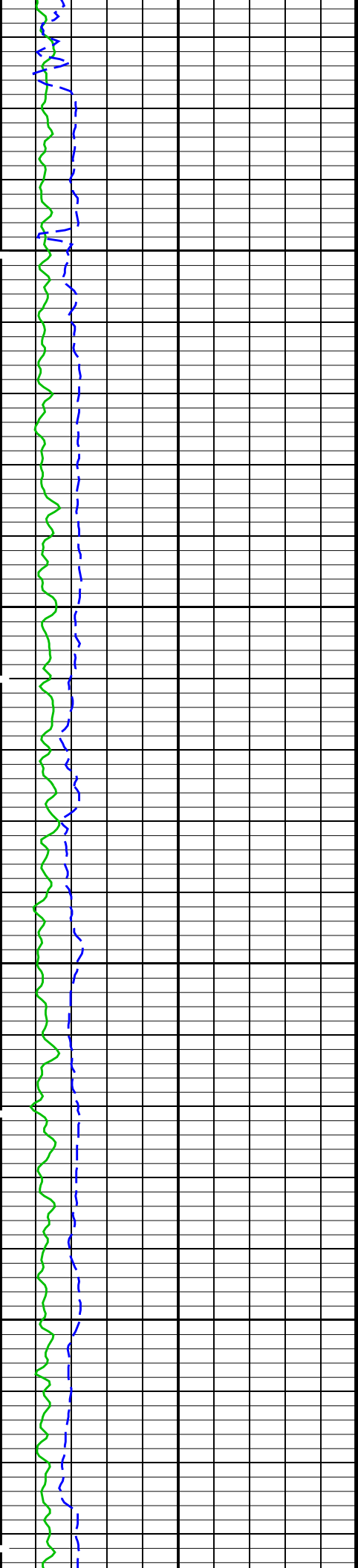


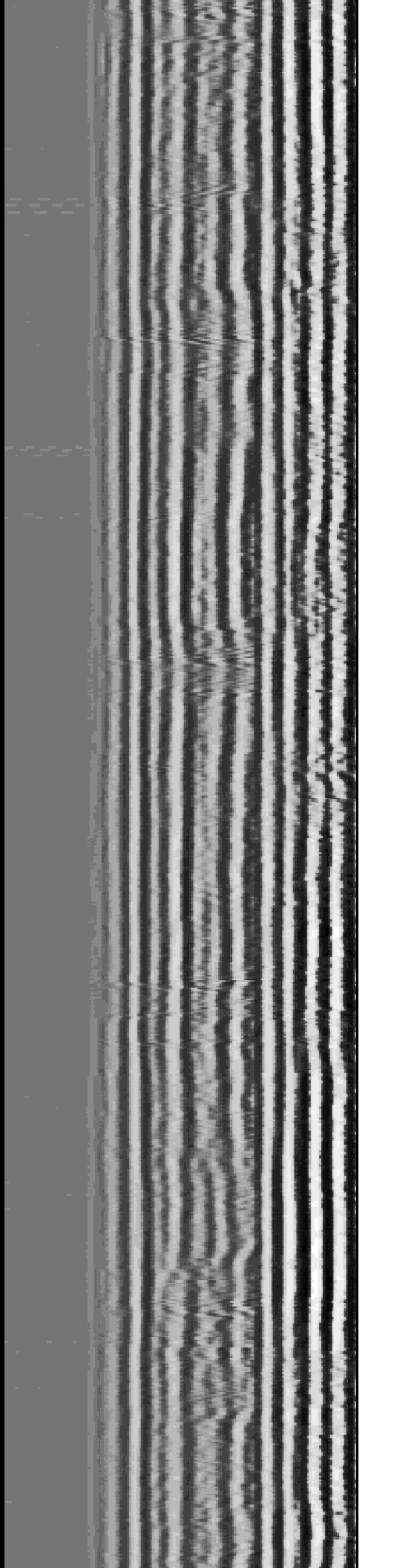
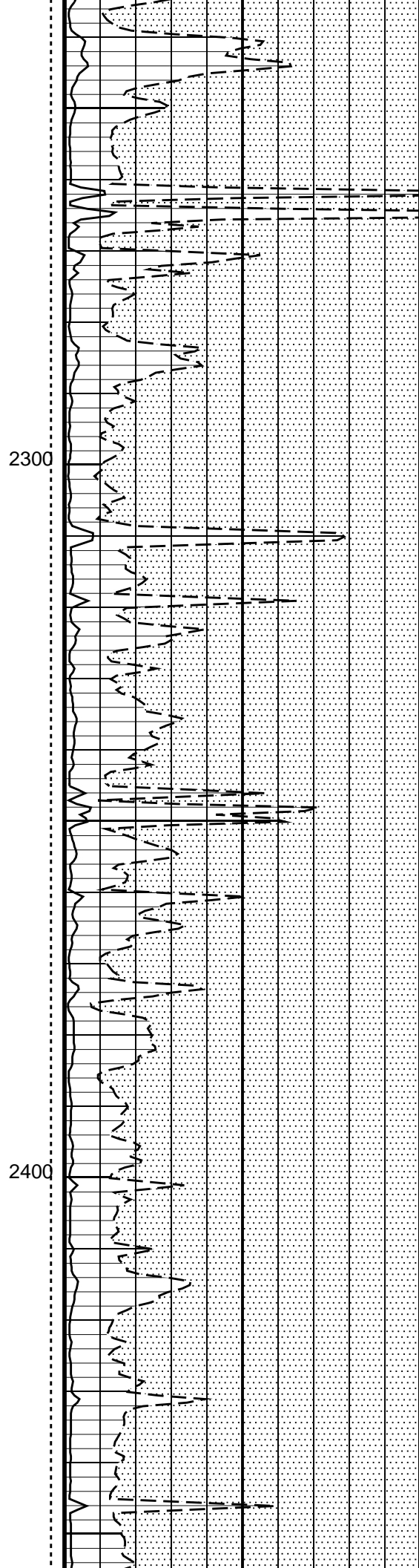
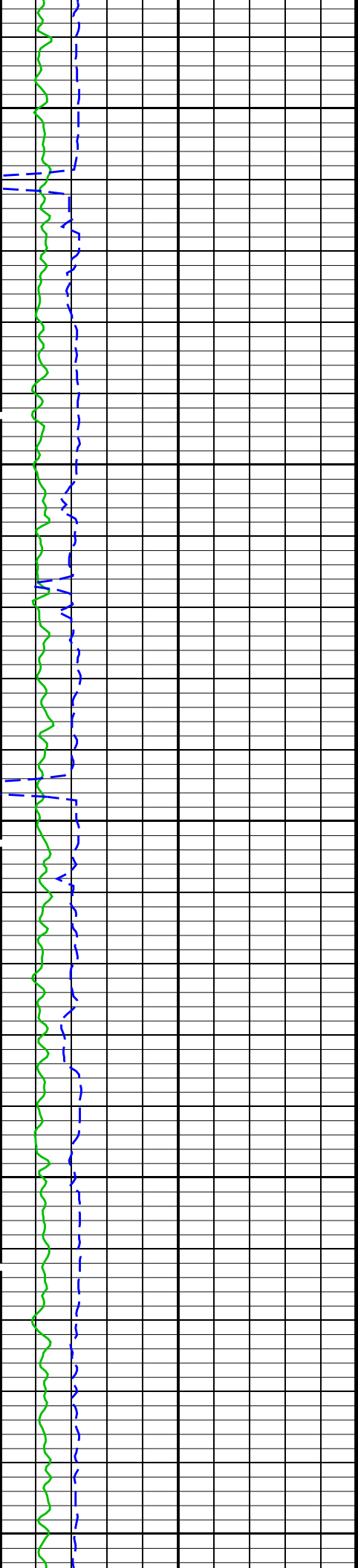


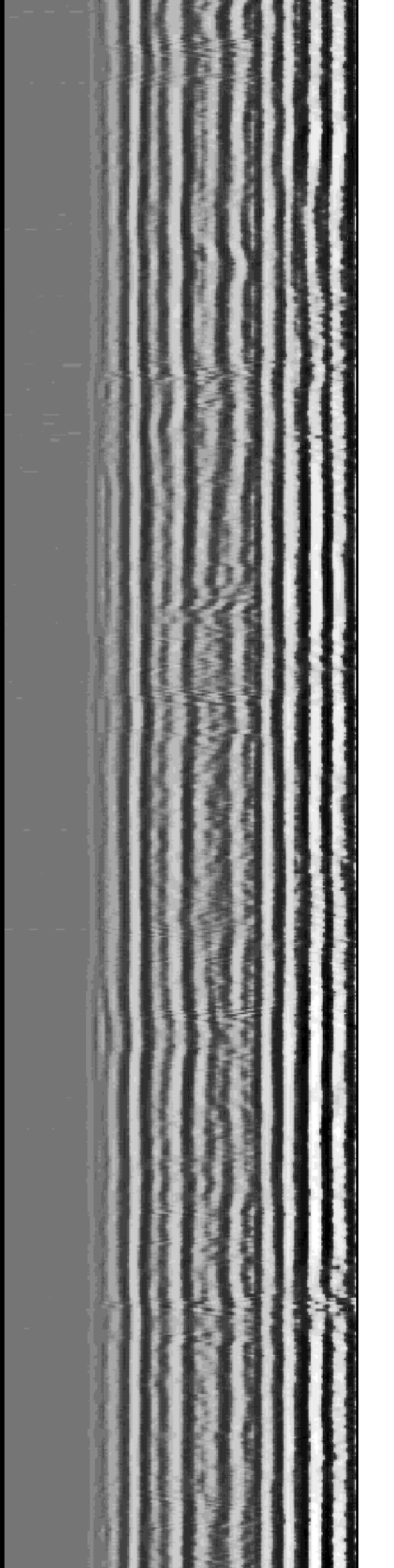
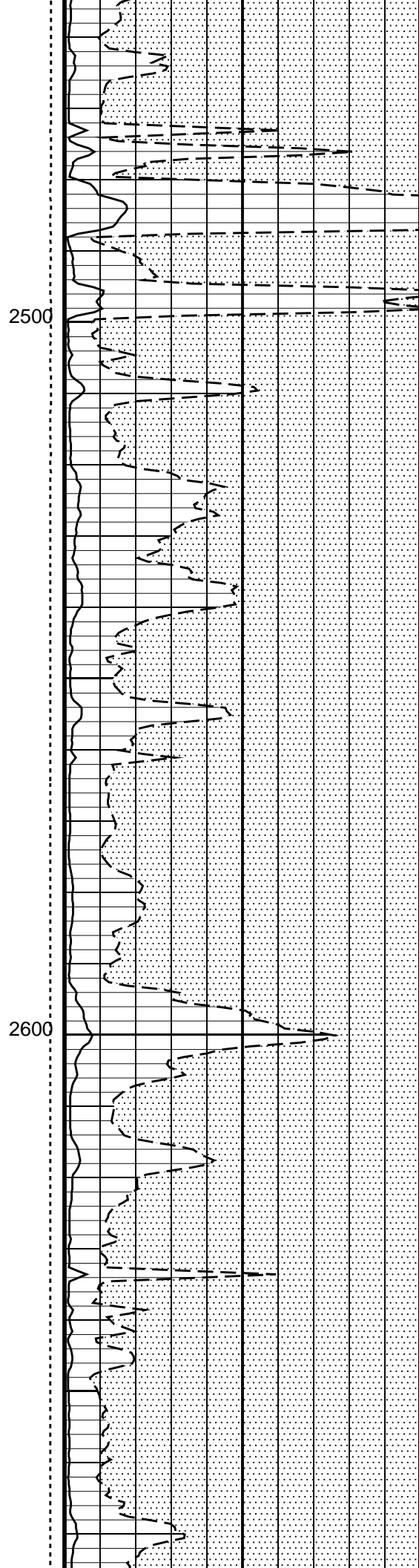
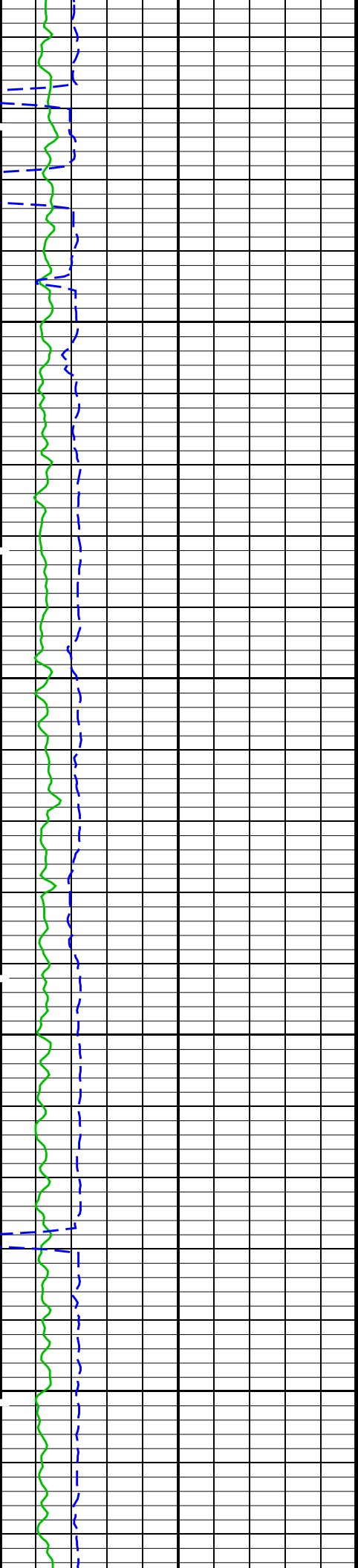


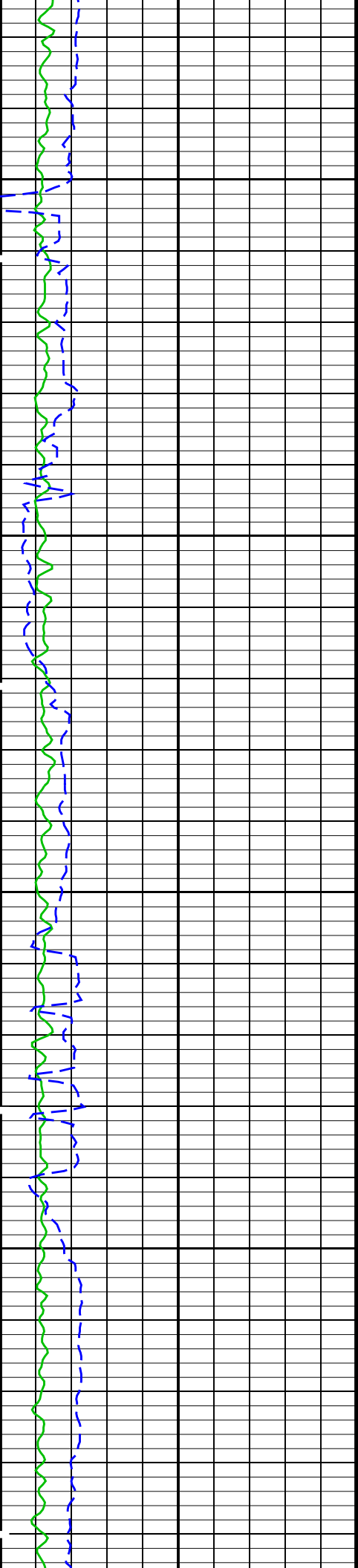






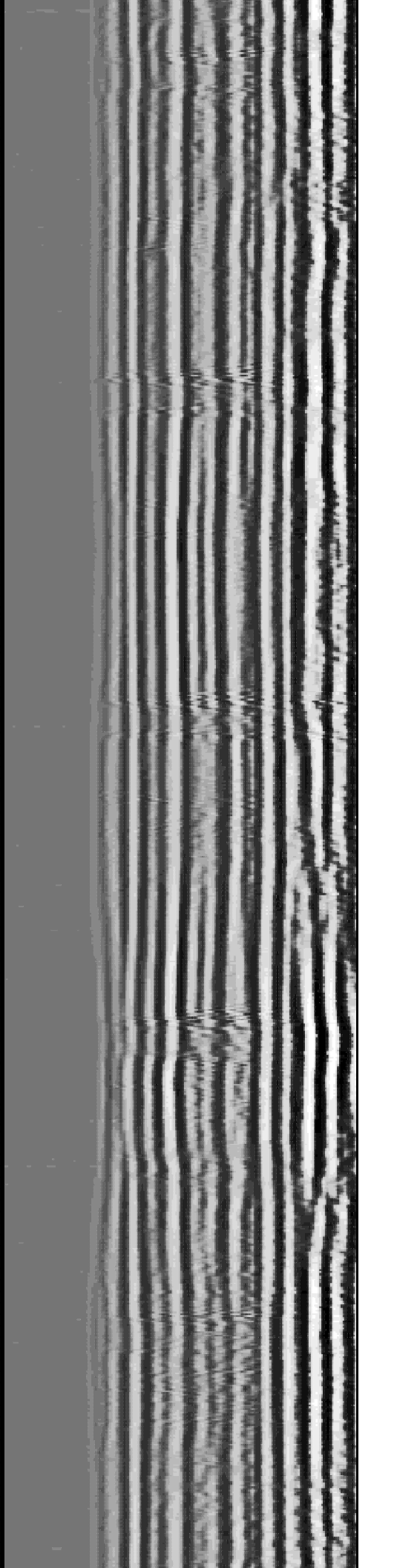
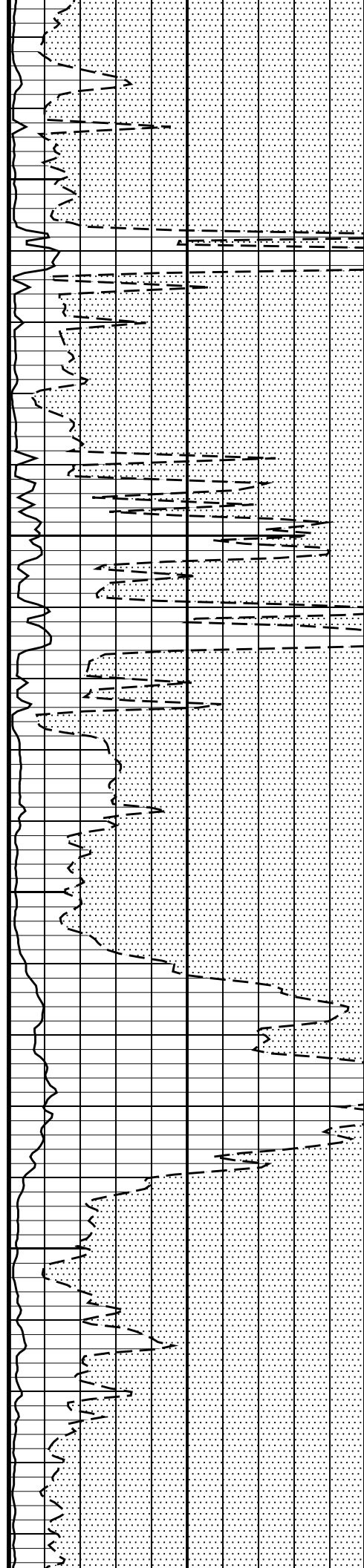


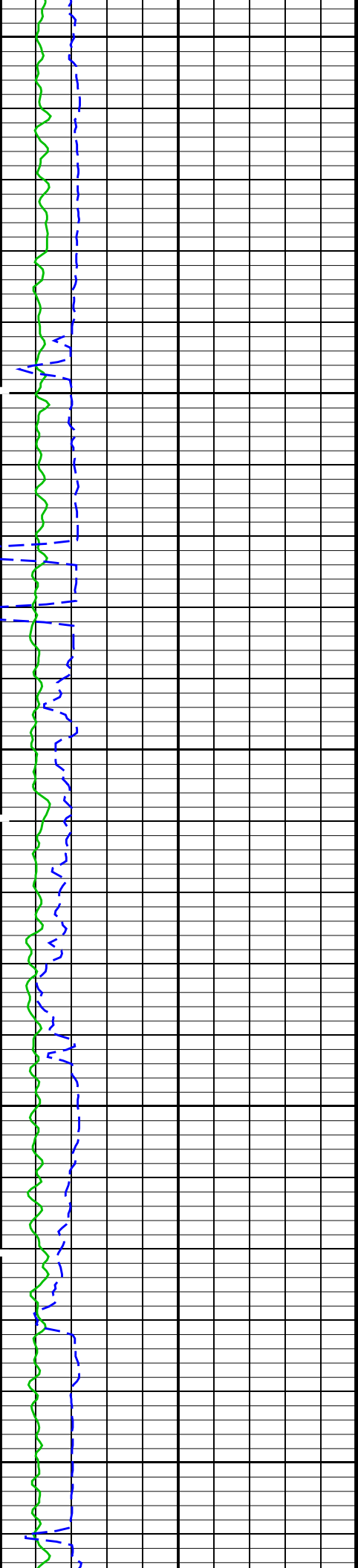




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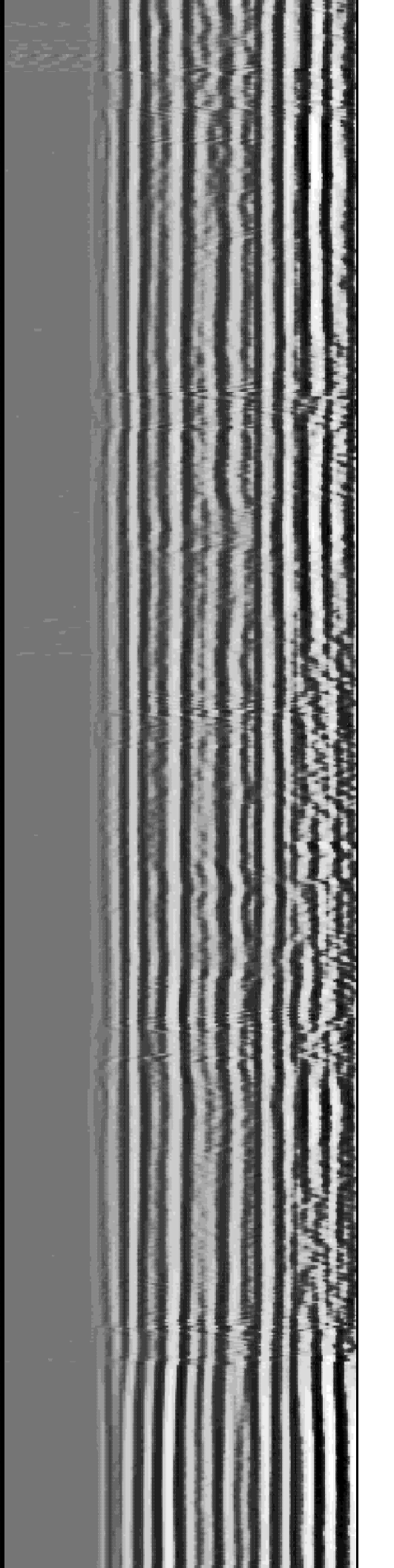
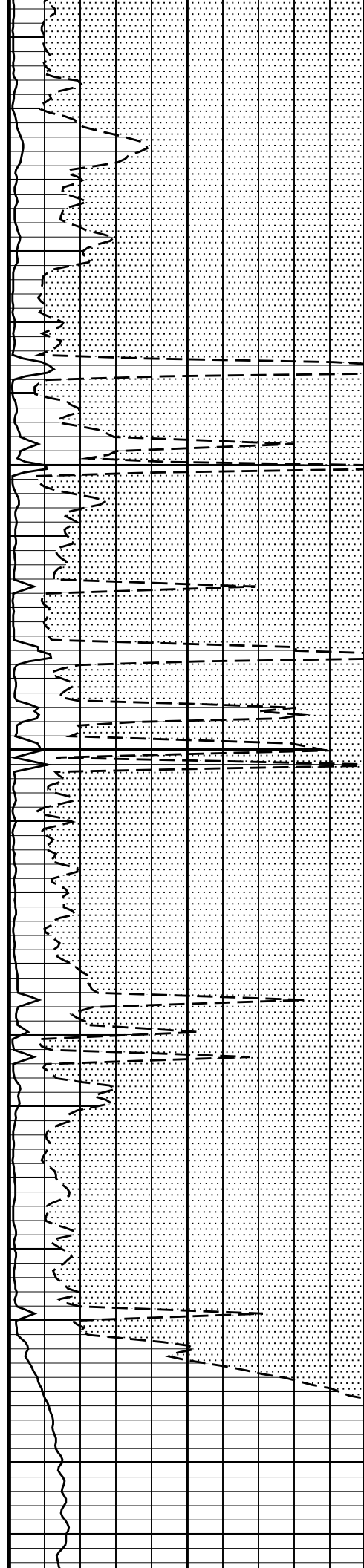


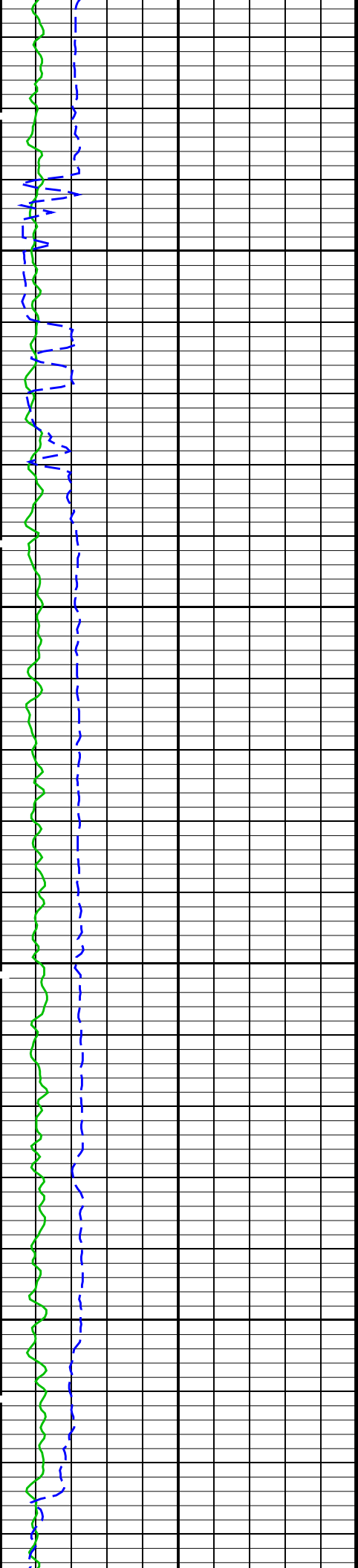


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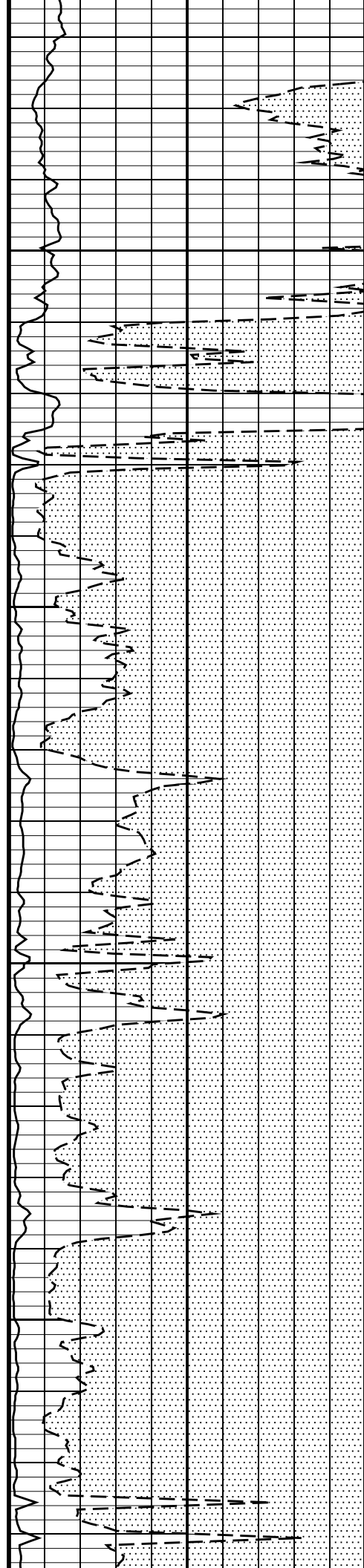
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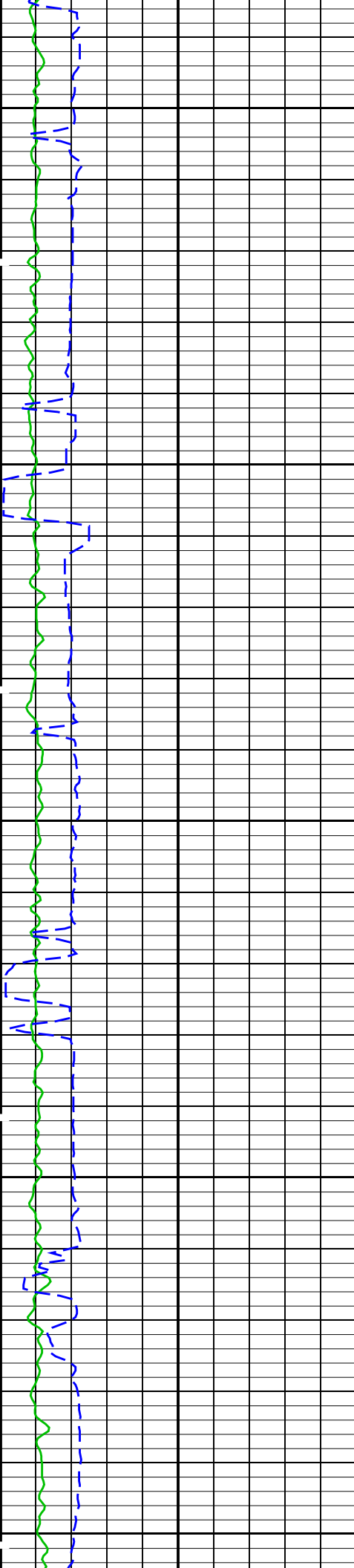




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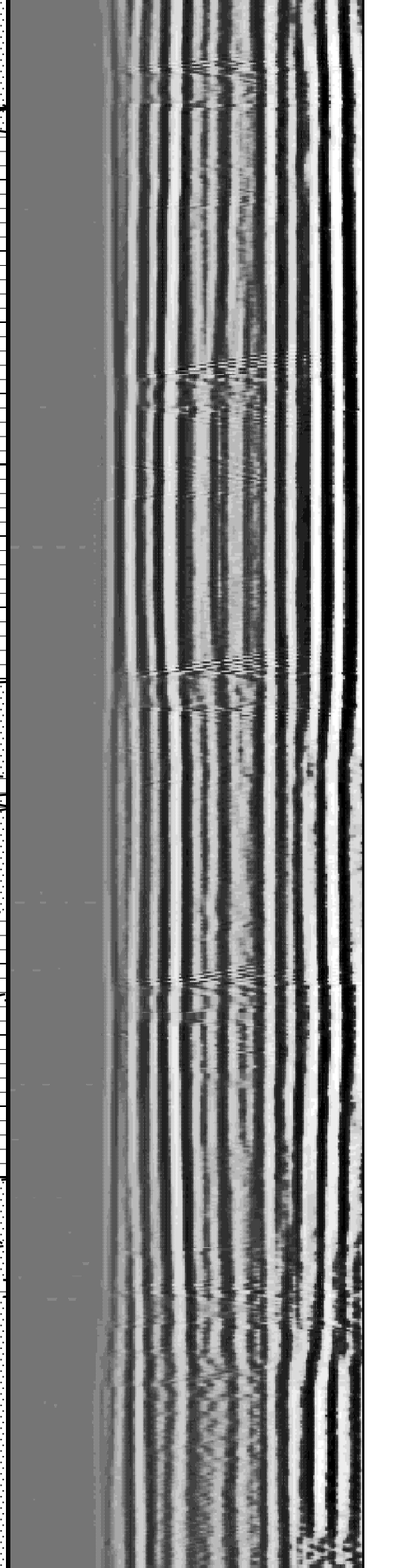
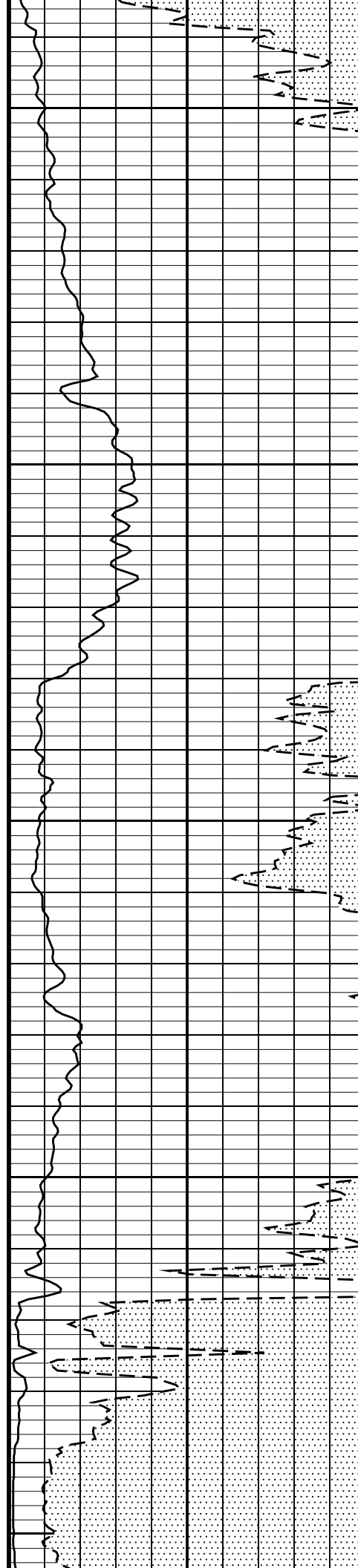
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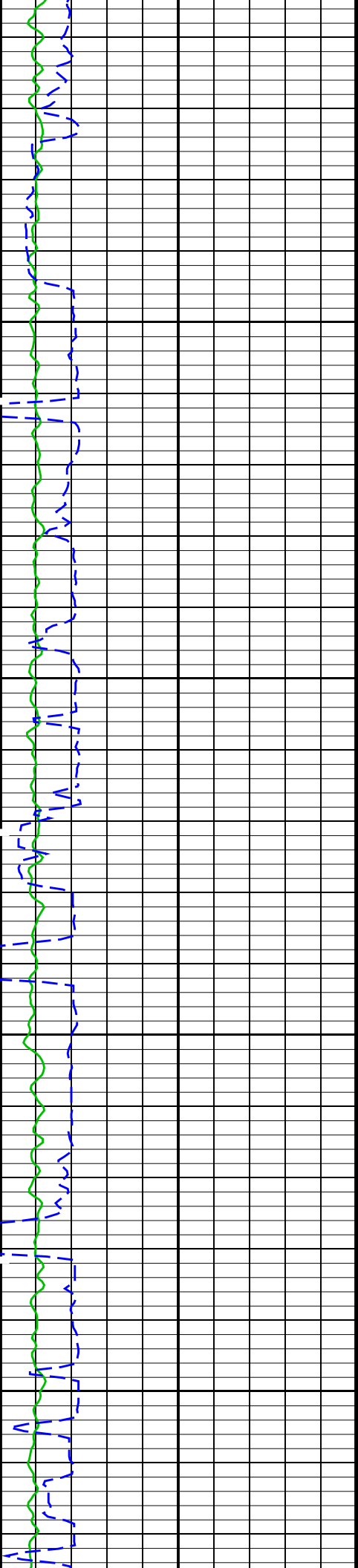




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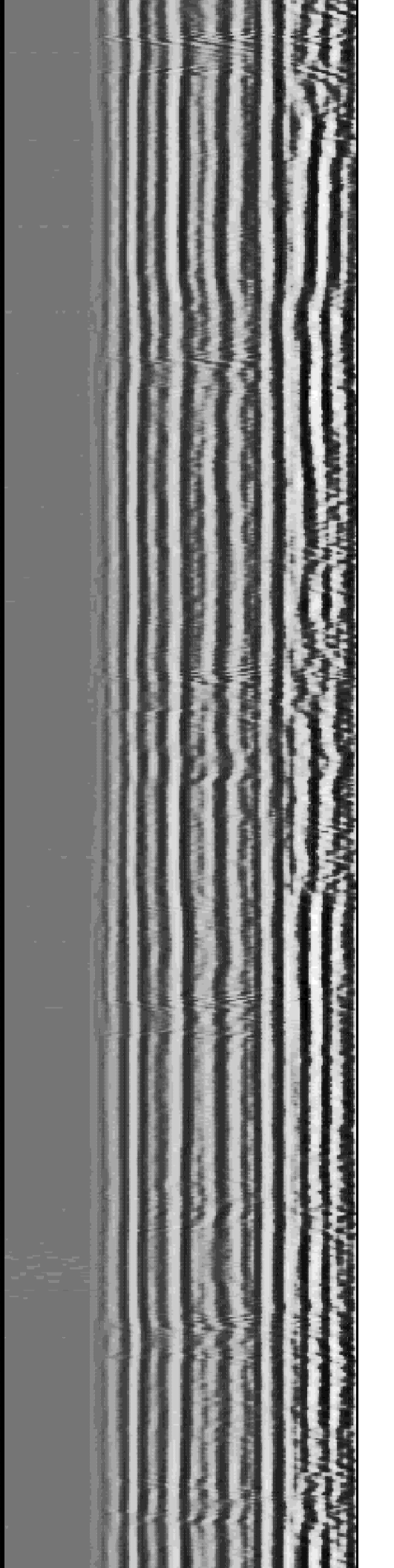
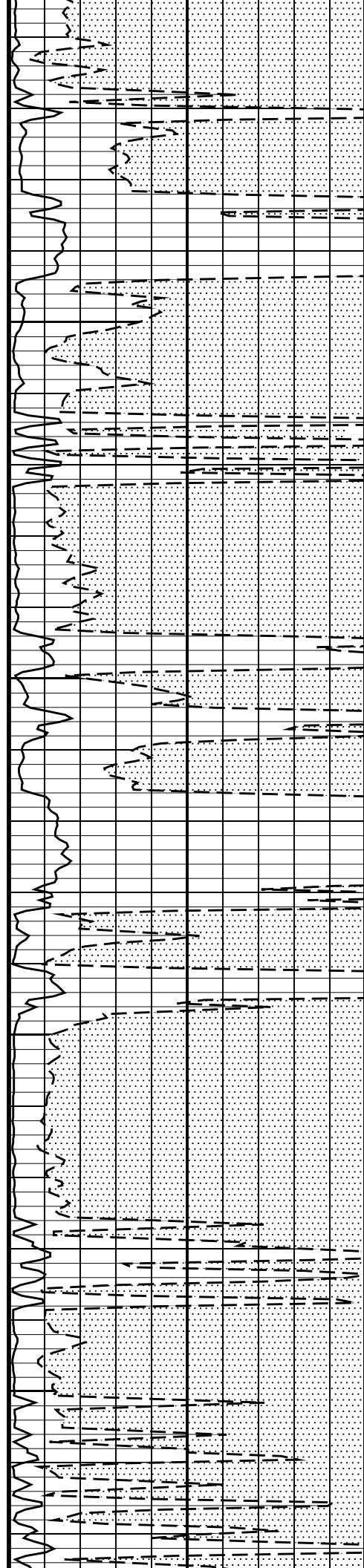
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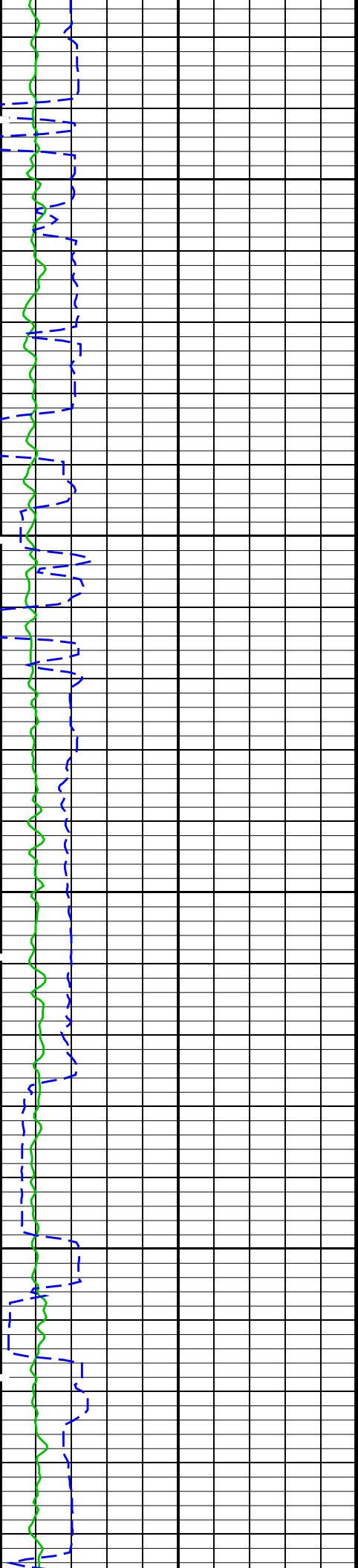




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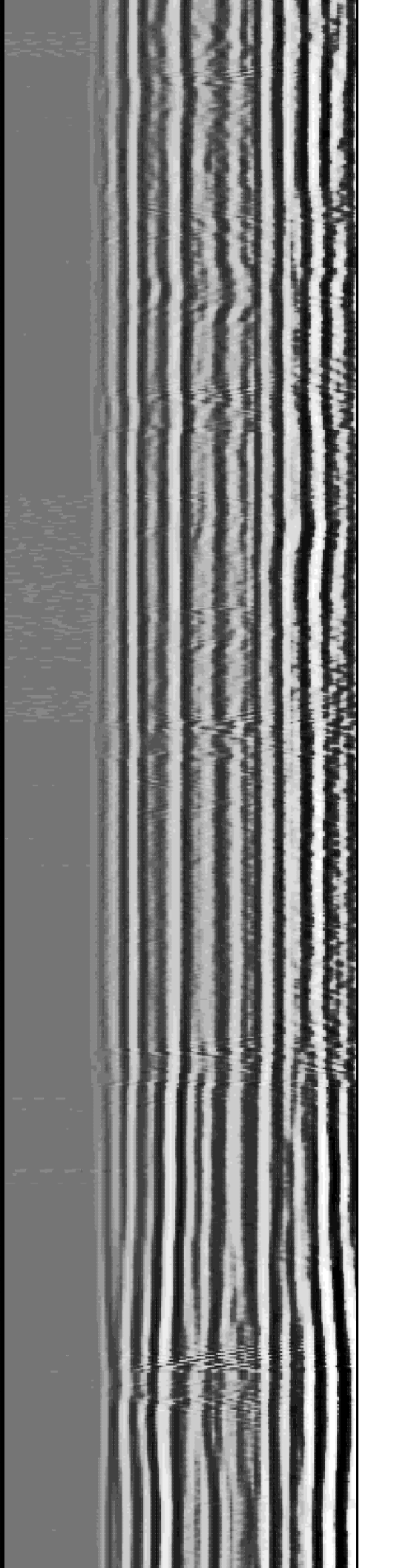
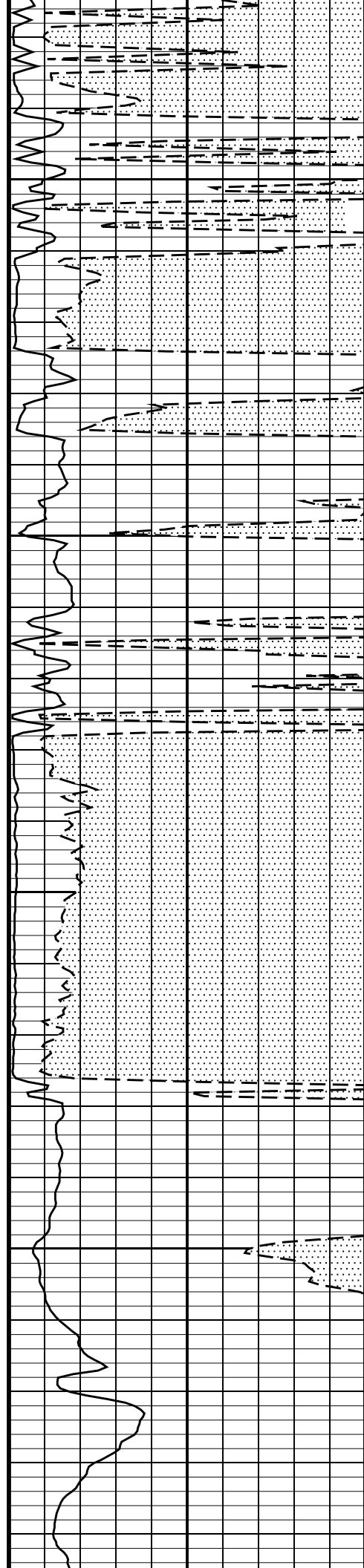
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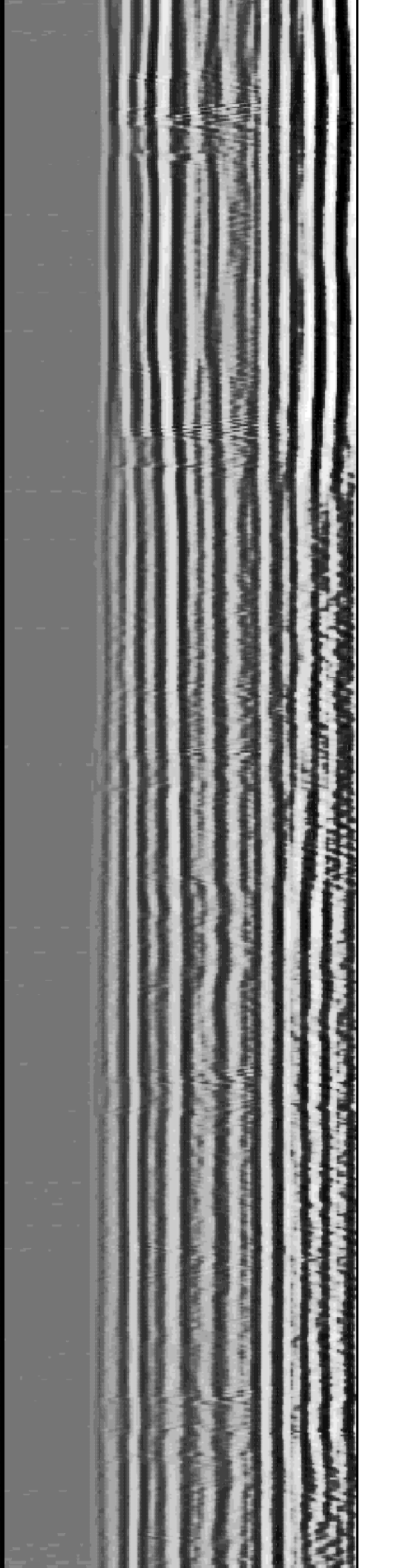
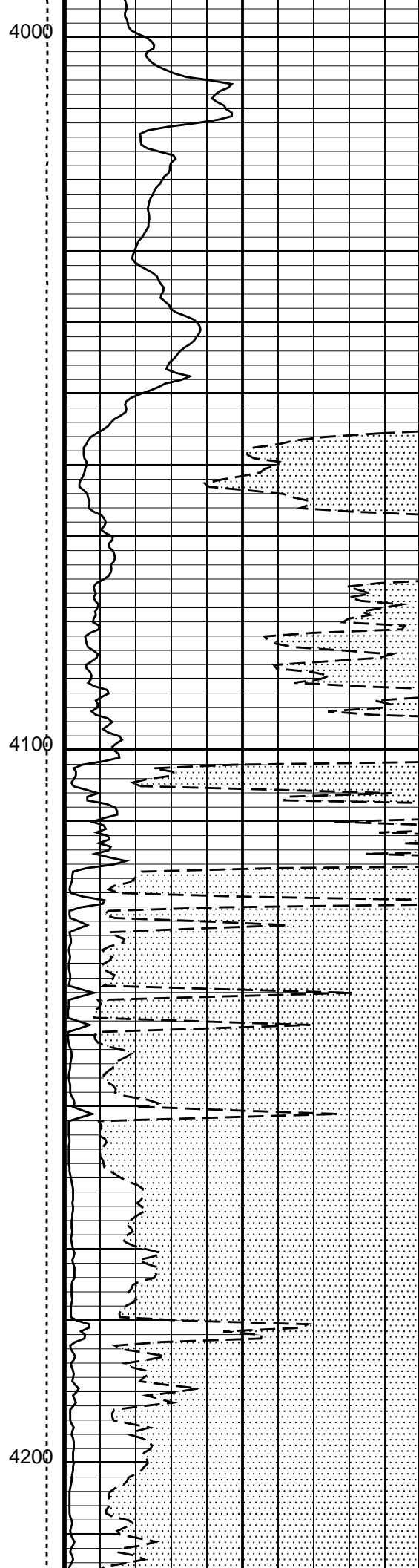
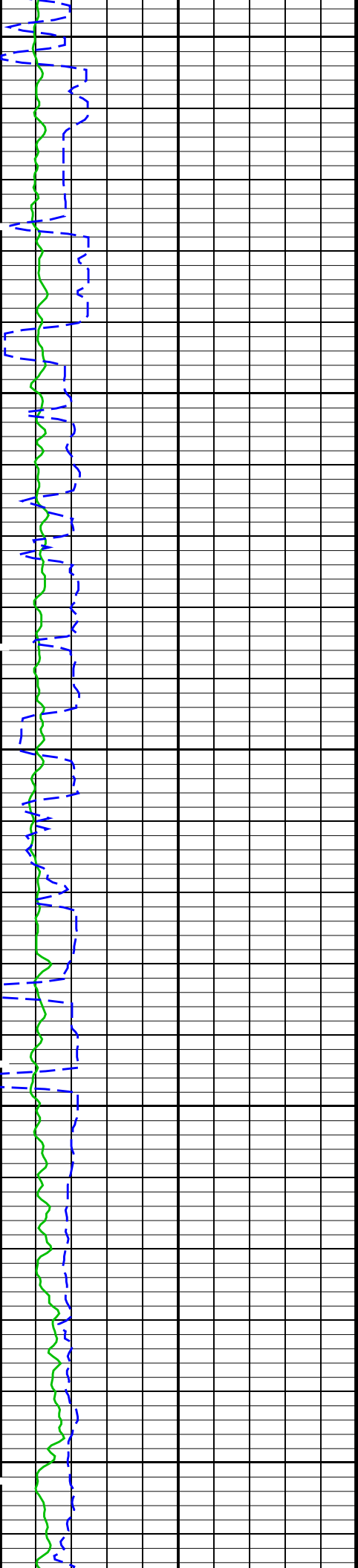


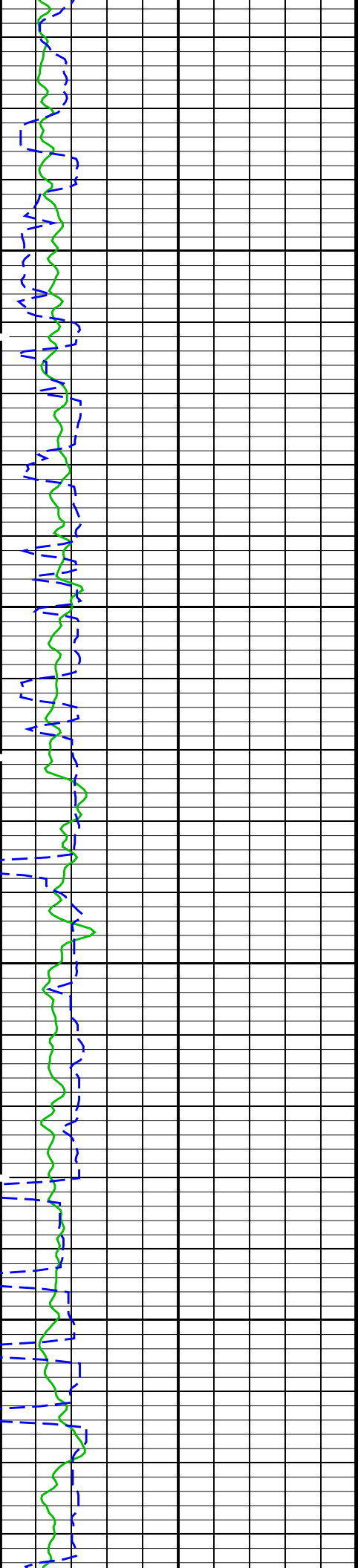


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3900

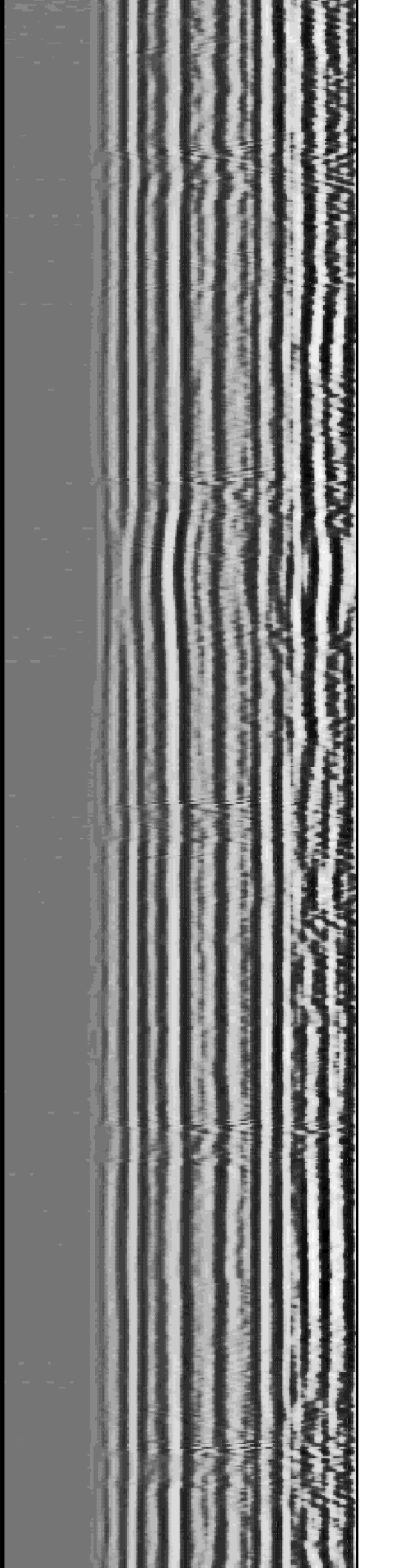
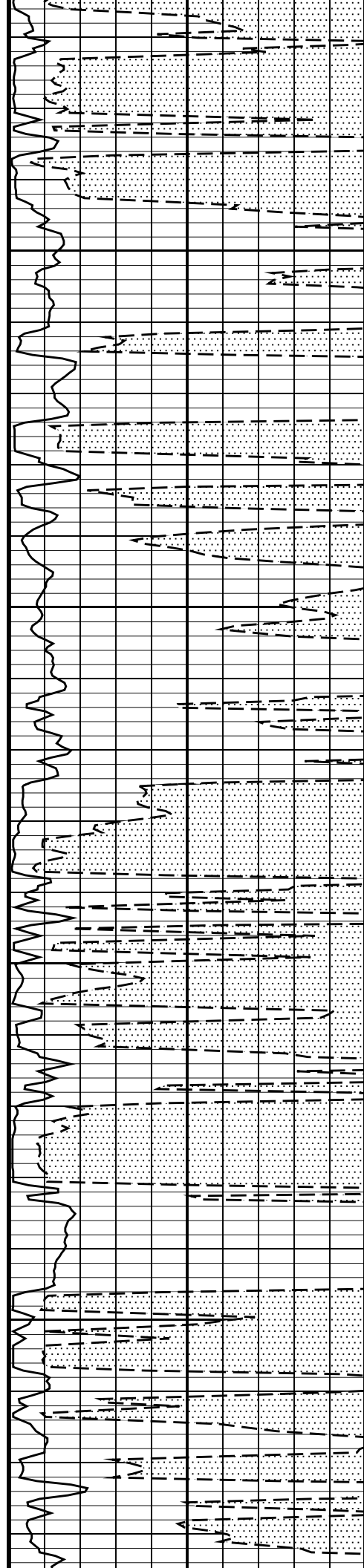


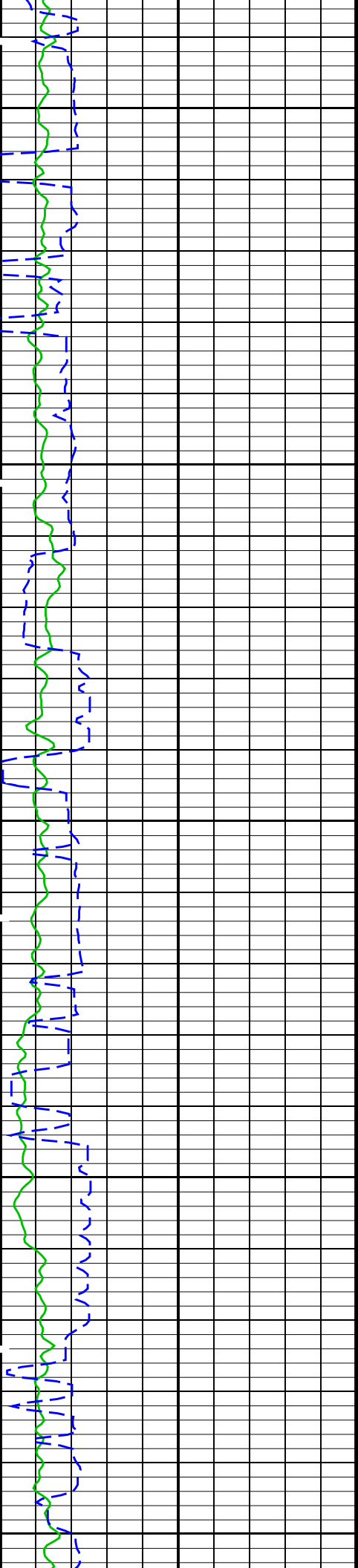




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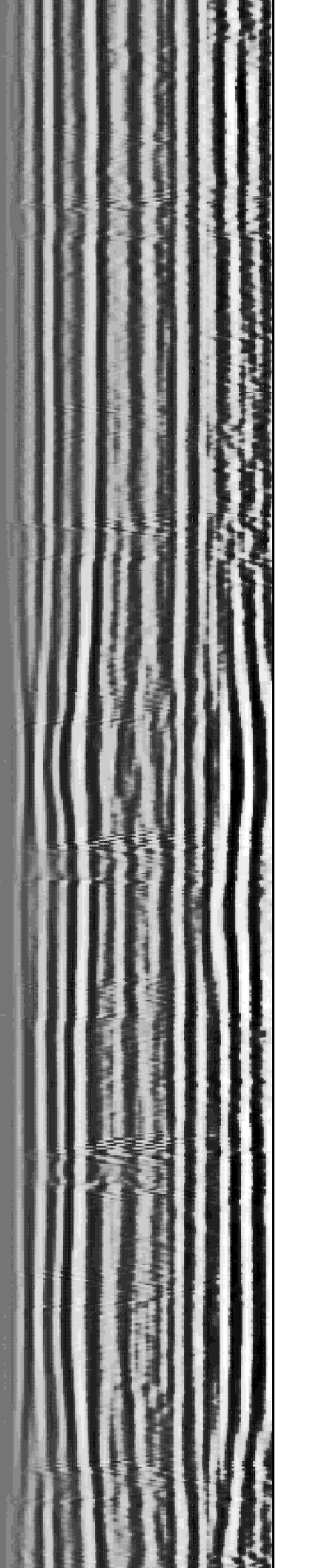
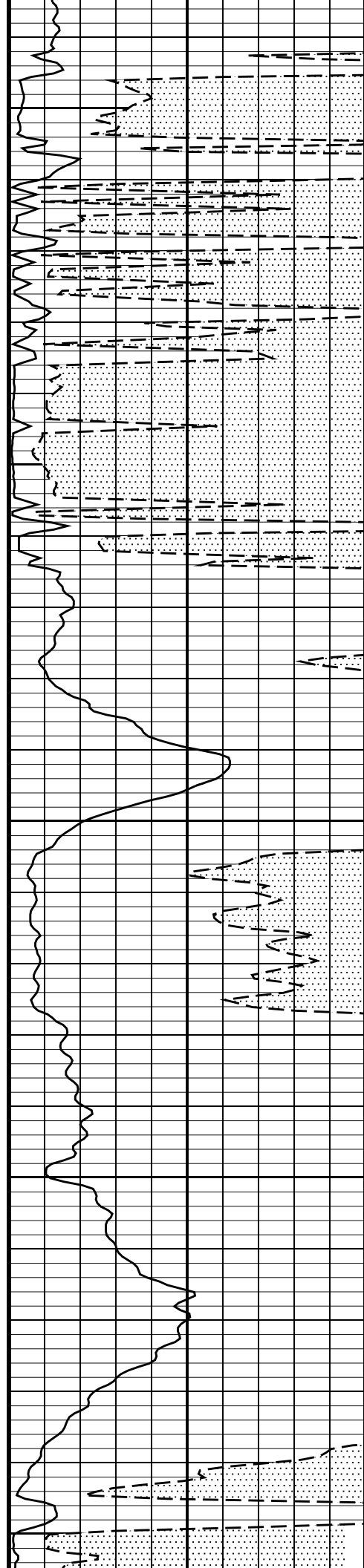
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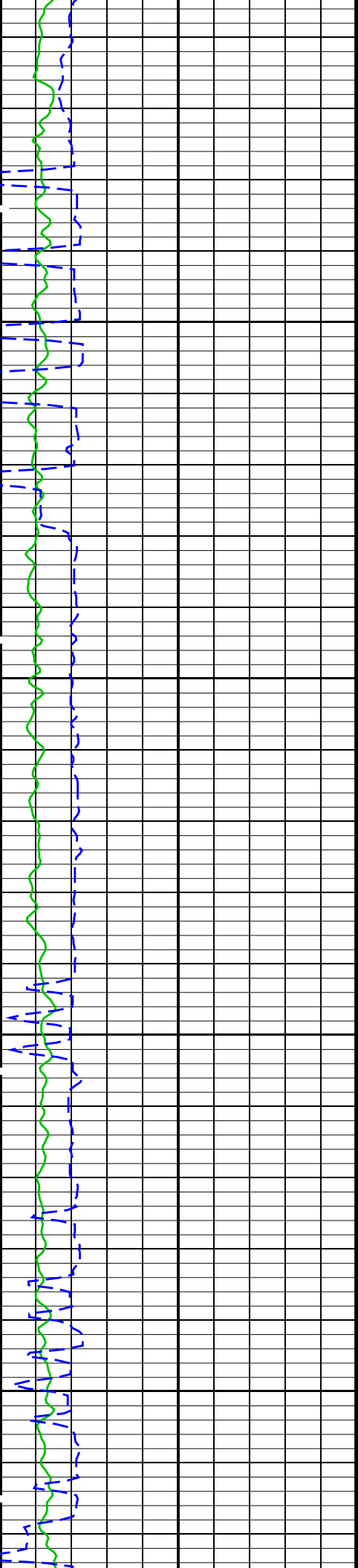




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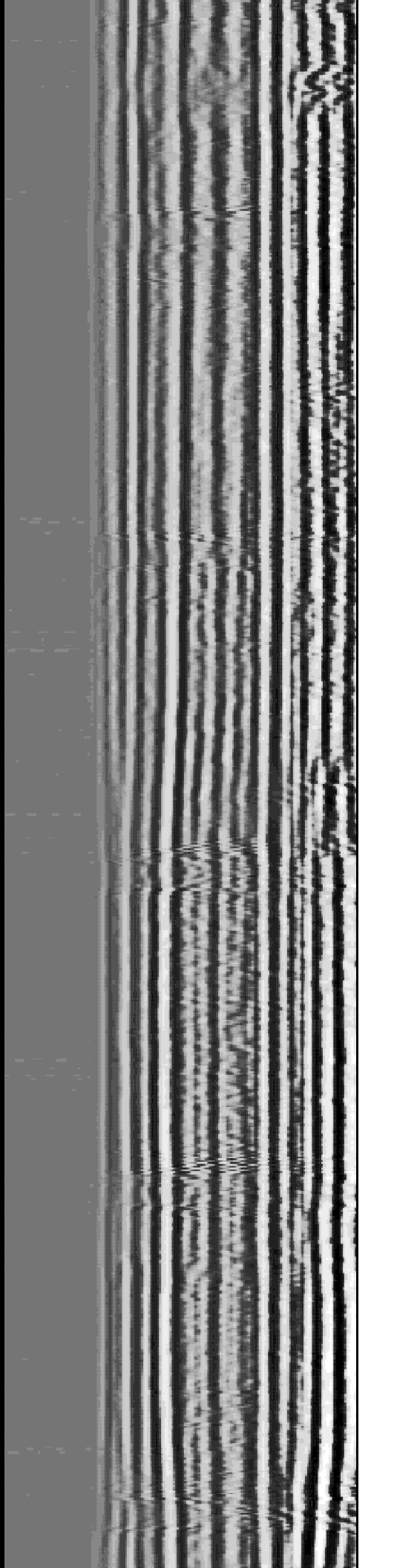
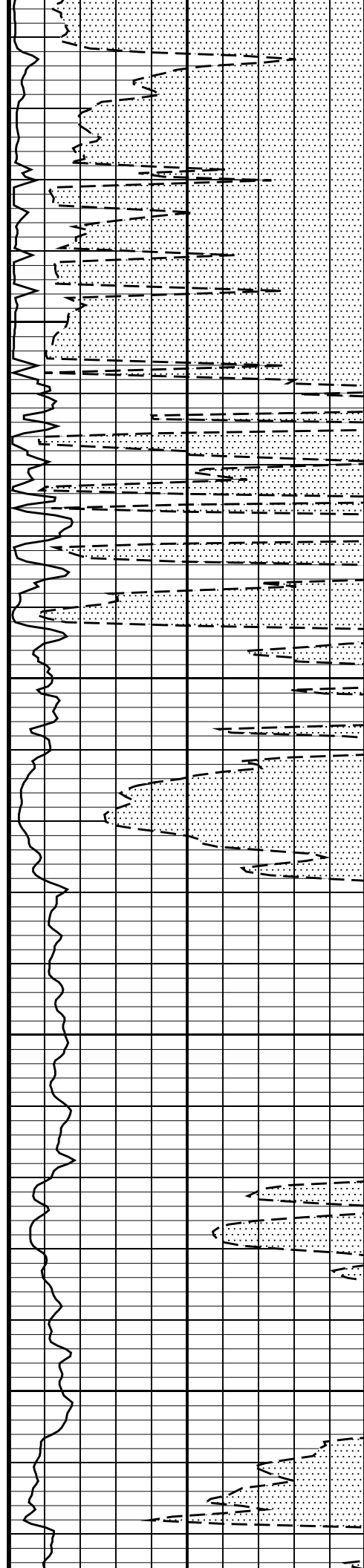
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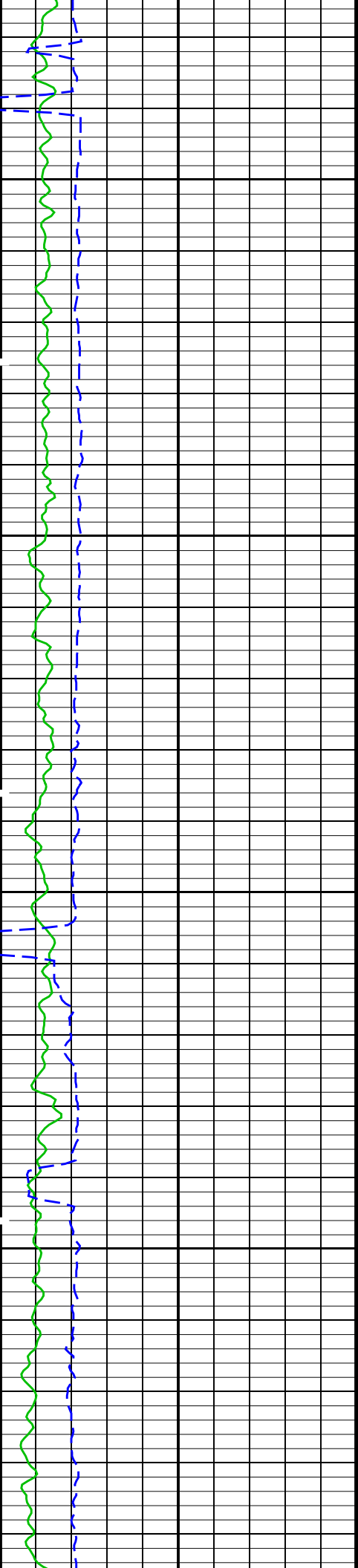




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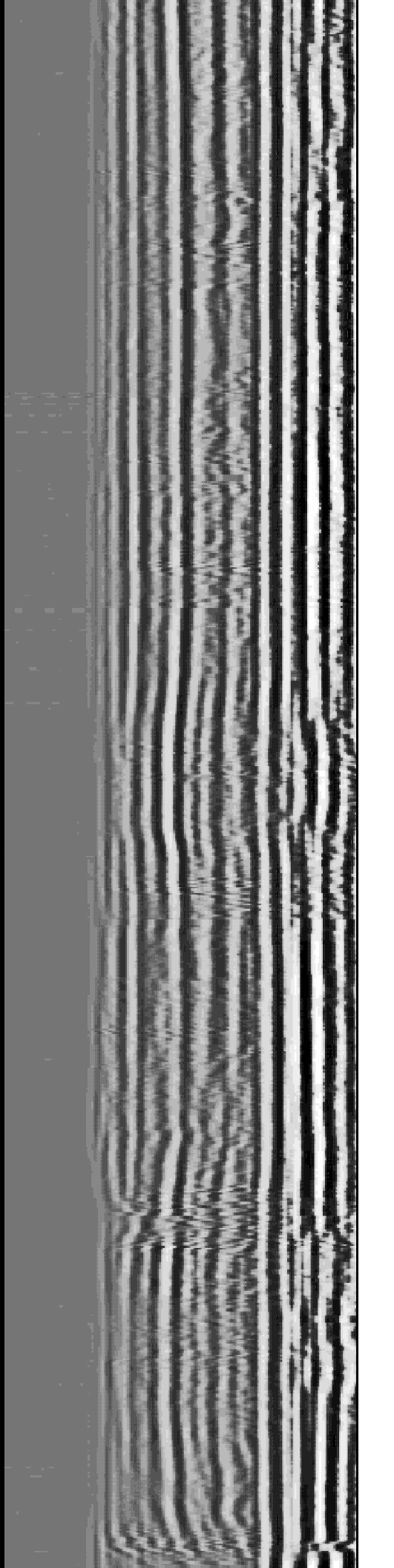
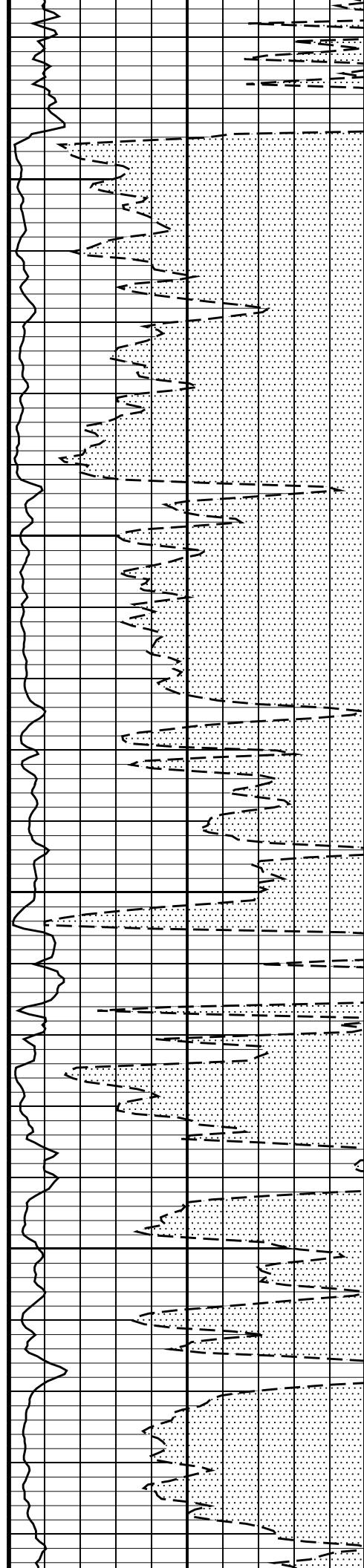
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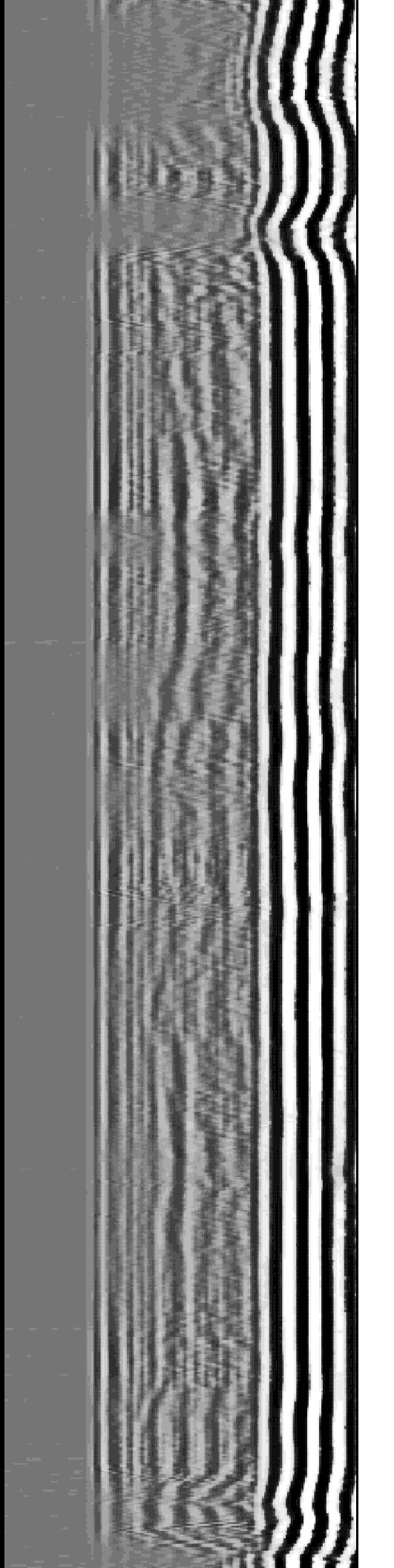
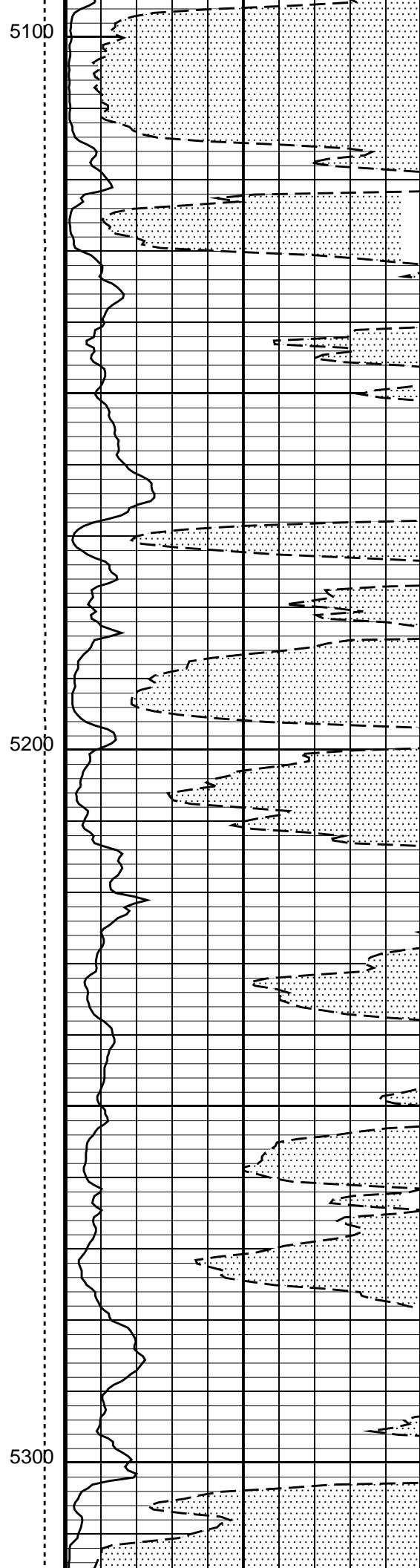
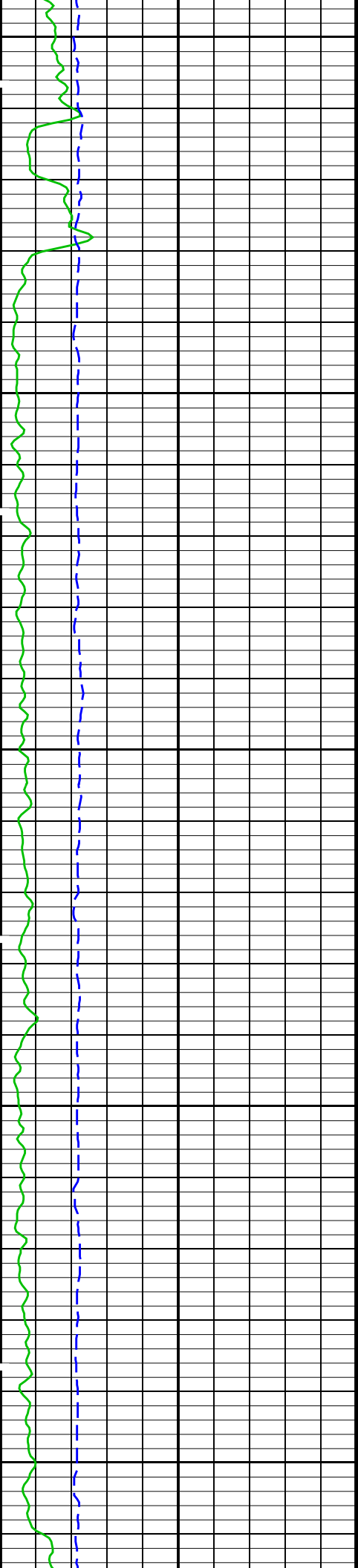


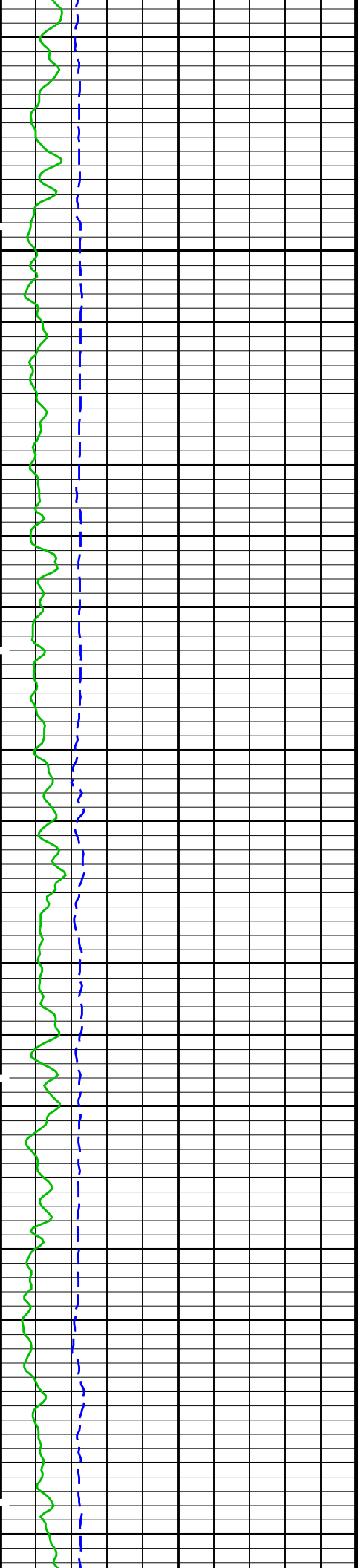


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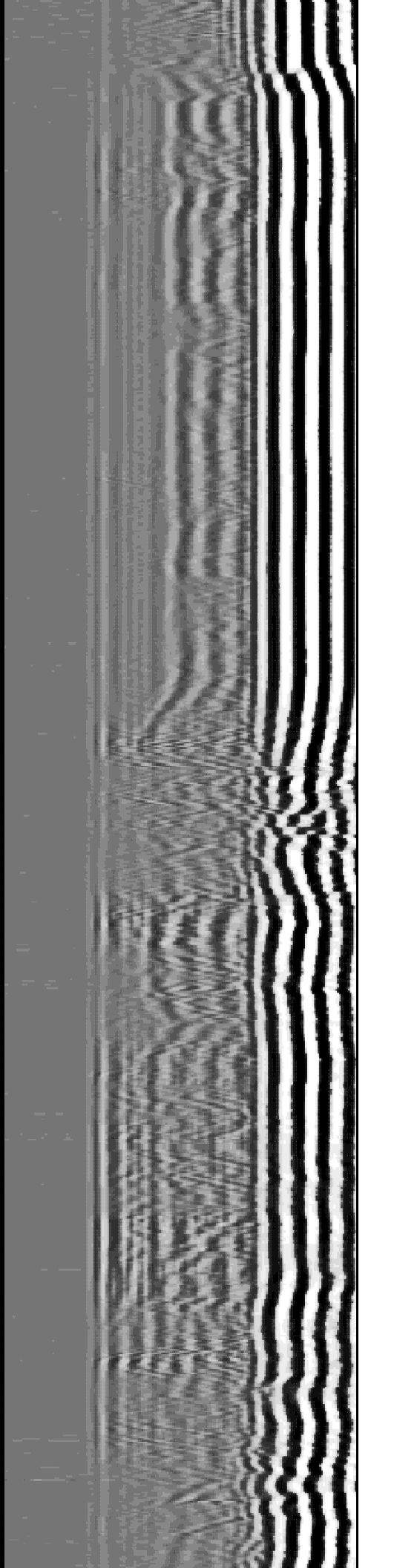
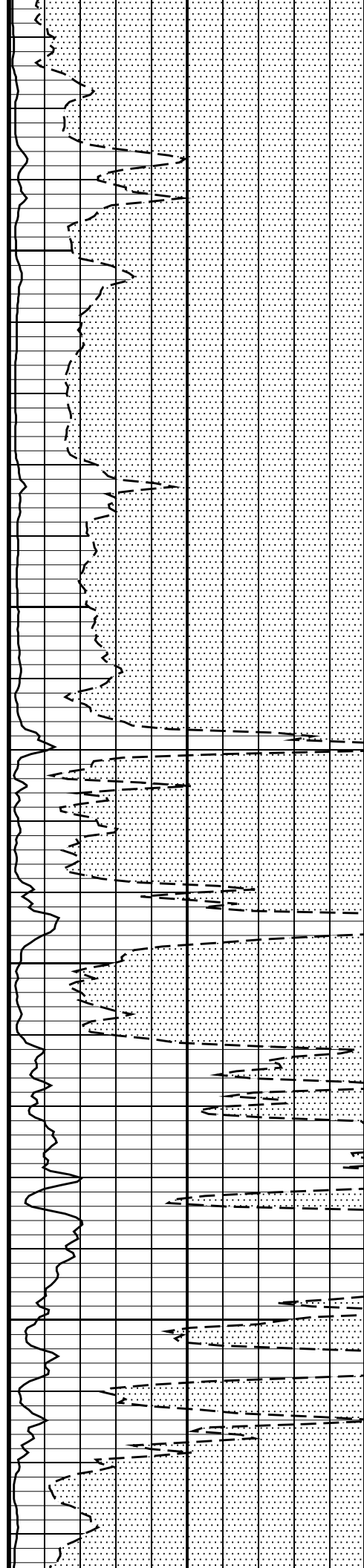


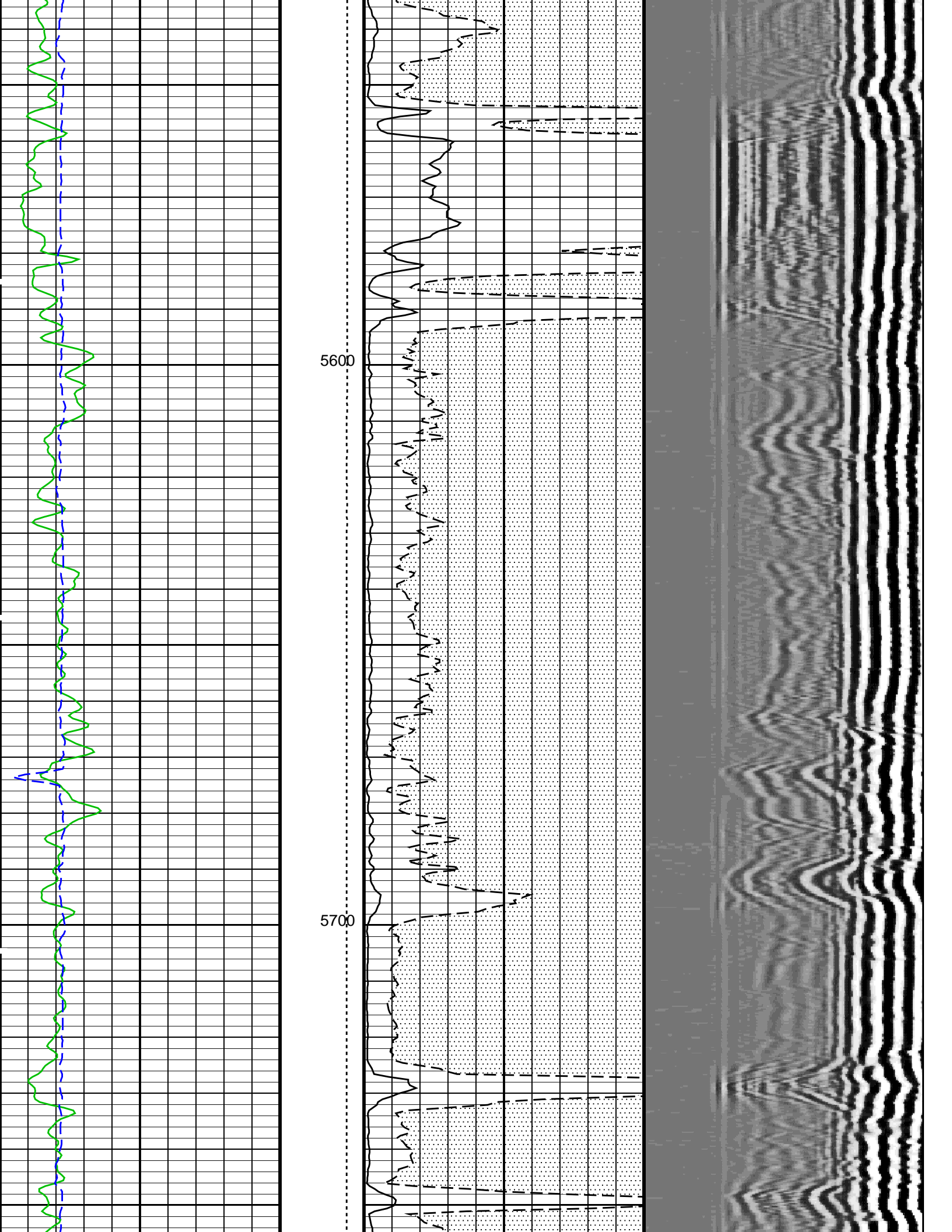


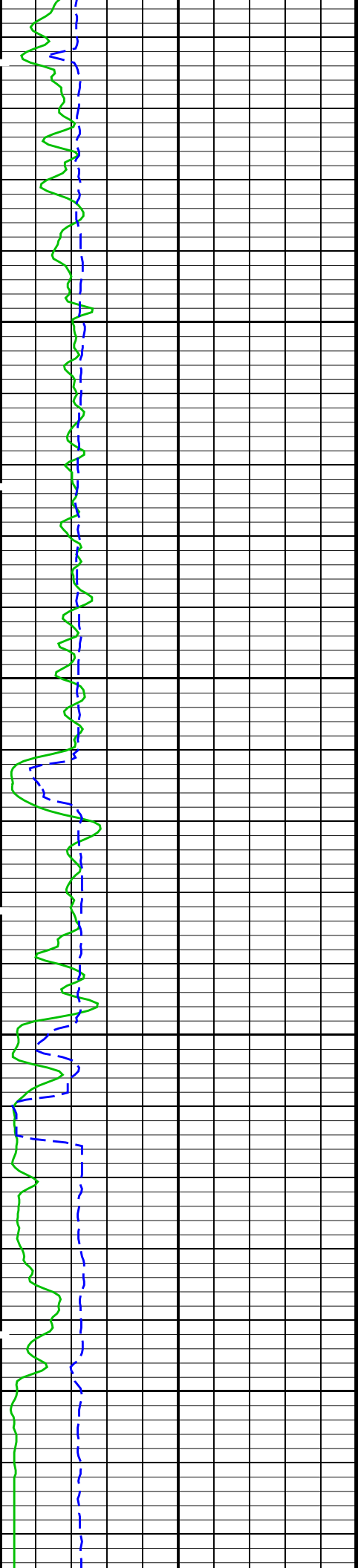


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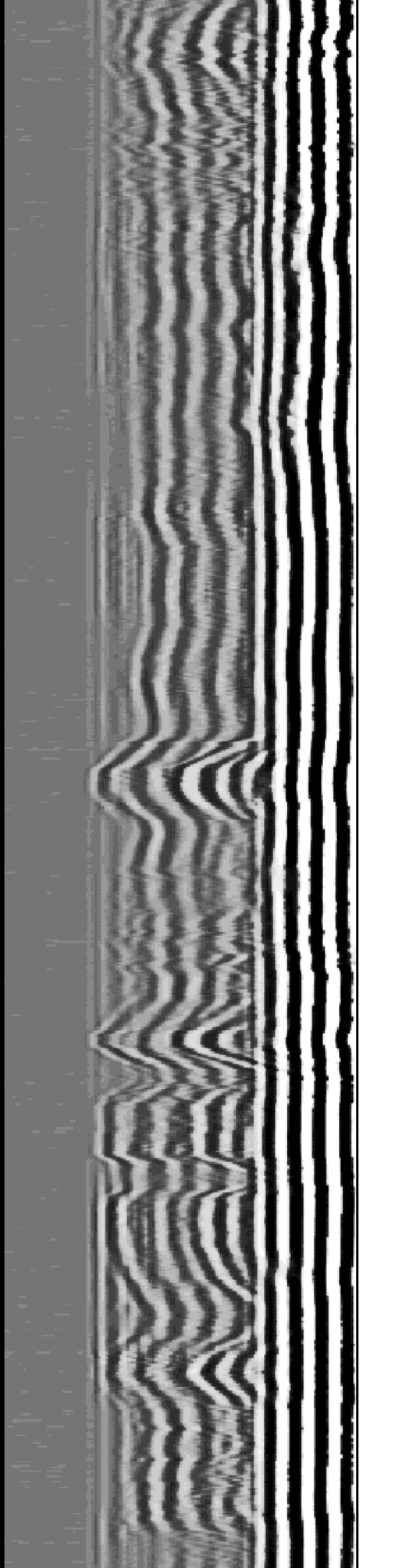
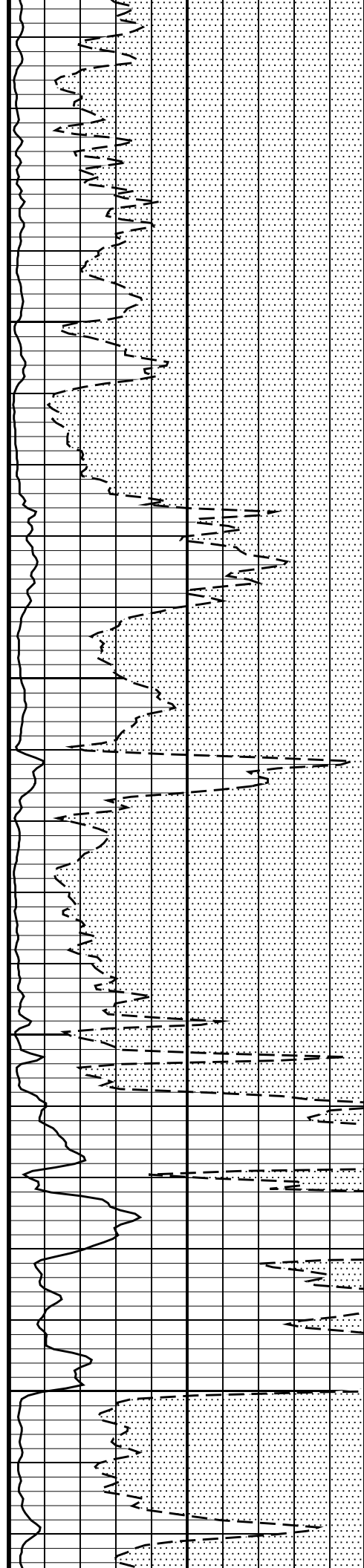


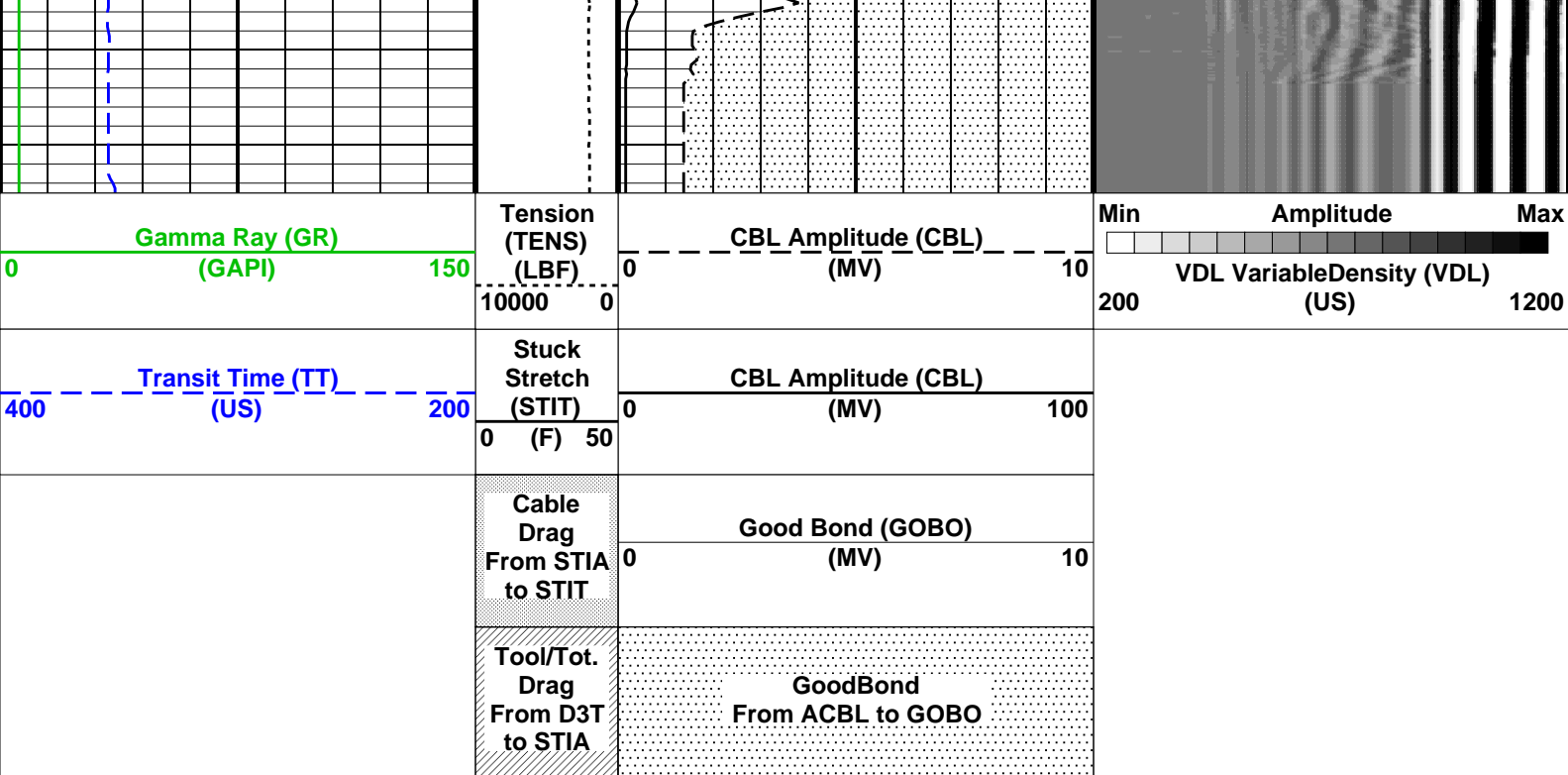




5800

5900





Time Mark Every 60 S

Format: CBL_VDL Vertical Scale: 5" per 100' Graphics File Created: 31-Jul-2007 15:14

OP System Version: 15C0-309
MCM

DSLTL-FTB 15C0-309 SGT-N 15C0-309
DTC-A 15C0-309

### Information for DSLT Sonde Status and Casing Features ###	
Sonde Type	Not Recorded
Sonde Serial Number	Not Recorded (0)
Casing Size (CSIZ)	11.7500 IN
Casing Weight (CWEI)	60.0 LB/F
Expected CBL Amplitude in Free Pipe Section (CBRA)	46.0 MV
Minimum Sonic Amplitude (MSA : 100% Cement)	2.77052 MV
Minimum Sonic Amplitude (MSA : 80% Cement)	4.85960 MV
Date of Master Calibration	Not Recorded
CBL Correction Factor (Master Calibration)	2.50000
Depth of Before Calibration (BDEP)	Not Recorded
CBL Adjustment Factor (CBAF : Before Calibration)	0.420000

Parameters		
DLIS Name	Description	Value
DSLTL-FTB: Digitizing	Sonic Logging Tool	DSLTL_FTB
AMSG	Telemetry Mode	CBL_W
CBAF	DSLTL Firing Mode	210 US
	Auxiliary Minimum Sliding Gate	0.42
	CBL Adjustment Factor	

CBLG	CBL Gate Width	100	US
DDEL	Digitizing Delay	0	US
DRCS	DSLT DLIS Recording Size	120	
DSIN	Digitizing Sample Interval	10	
DTFS	DSLCL Telemetry Frame Size	236	
DWCO	Digitizing Word Count	120	
GAI	Manual Gain	40	
GOBO	Good Bond	10	MV
MAHTR	Manual High Threshold Reference	35	
MGAI	Maximum Gain	1000	
MNHTR	Minimum High Threshold Reference	56	
NMSG	Near Minimum Sliding Gate	340	US
NMXG	Near Maximum Sliding Gate	800	US
RATE	Firing Rate	R7	
SFAF	Sonic Formation Attenuation Factor	0	DB/F
SGCL	Sliding Gate Closing Delta-T	250	US/F
SGDT	Sliding Gate Delta-T	53	US/F
SGW	Sliding Gate Width	80	US
SLEV	Signal Level for AGC	5000	
VDLG	VDL Manual Gain	5	
WAGC	Waveform AGC Allow/Disallow	OFF	
WMOD	Waveform Firing Mode	FULL	
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	STI	
STKT	STI Stuck Threshold	2.5	FT
TDD	Total Depth - Driller	6363.00	FT
TDL	Total Depth - Logger	6330.00	FT
System and Miscellaneous			
DO	Depth Offset for Playback	0.0	FT
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	SONIC_013LUP	FN:12	PRODUCER	31-Jul-2007 11:59	5995.0 FT	50.0 FT
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Output DLIS Files

DEFAULT	SONIC_029PUP	FN:11	PRODUCER	31-Jul-2007 15:14
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Company: **Windy Hill Gas Storage, LLC**

Schlumberger

Well: **Windy Hill 7-17S**

Field: **Windy Hill**

County: **Morgan**

State: **Colorado**

Cement Bond
Gamma Ray Log