



FILE NO: CH105889	COMPANY CAERUS OPERATING LLC
API NO: 05045177870000	WELL PUCKETT 43C-2
	FIELD GRAND VALLEY
	COUNTY GARFIELD
	STATE COLORADO

Ver. 4.06	LOCATION:	OTHER SERVICES
SEC 2 T 7S R 9TW	SHL: 317' FEL & 1093' FSL, 2 7S 9TW	RPM
PAD: MESA P2-797	BHL: 1154' FEL & 1795' FSL, 2 7S 9TW	
RIG: H&P 330	SEC 2 TWP 7S RGE 9TW	

PERMANENT DATUM	GL	ELEVATION	8423.8 FT
LOG MEASURED FROM	K.B.	30 FT	ABOVE P.D.
DRILL. MEAS. FROM	K.B.		
		KB	8453.8 FT
		DF	
		GL	8423.8 FT

DATE	29-Feb-2016	
RUN	1	TRIP
SERVICE ORDER	US105889	
DEPTH DRILLER	8806 FT	
DEPTH LOGGER	8717 FT	
BOTTOM LOGGED INTERVAL	8707 FT	
TOP LOGGED INTERVAL	2500 FT	
TIME STARTED	8:00	
TIME FINISHED	10:30	
OPERATOR RIG TIME	2.5 HOURS	
TYPE OF FLUID IN HOLE	WATER	
FLUID DENSITY	NA	
FLUID SALINITY	NA	
FLUID LEVEL	NA	
LOGGED CEMENT TOP	SEE LOG	
WELLHEAD PRESSURE	0 PSI	
MAXIMUM HOLE DEVIATION	NA	
NOMINAL LOGGING SPEED	100 F/MIN	
MAX. RECORDED TEMP.	225 DEGF	
REFERENCE LOG	NA	
REFERENCE LOG DATE	NA	
EQUIP. NO.	HL-6670	LOCATION
RECORDED BY	T. NEWELL	
WITNESSED BY	MR. M.LEIBOVITZ	

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
8.75 IN	1200 FT	8887 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
4.5 IN	11.6 LB/F	P-110	0 FT	8806 FT

REMARKS

RUN 1 TRIP 1: THIS IS THE FIRST WIRELINE RUN ON THIS WELL. TOOLS HAVE BEEN ZERO'D AT KB HEIGHT AND LOG HAS NOT BEEN SHIFTED DOWNHOLE

LOGGED WITH 0 PSI AT SURFACE

SJ = 6731' - 6740'

BHT = 225 DEGF

THANKS FOR CHOOSING BAKER HUGHES WIRELINE

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	DA	1102961	12121102	12121102

1	1	RAL	1426XA	10124106	CENTRALIZED
1	1	GR / CCL	1355XA	11871506	CENTRALIZED

MAIN PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013

Updates: 1 Patches: 9

Plotted: Mon Feb 29 10:35:27 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH43C2/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 2488.000 ft BOTTOM DEPTH: 8720.250 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1)		"	"
TRAVEL TIME	FILTER ()	medium (1)		"	"

RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	176	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-71	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Feb 29 08:49:06 2016	CASING COLLAR LOCATOR
F1:FAMPN	Feb 29 08:49:06 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Feb 29 08:49:06 2016	FAR WAVE FORM
F1:GR	Feb 29 08:49:06 2016	GAMMA RAY
F1:TTN	Feb 29 08:49:06 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Feb 29 08:49:06 2016	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

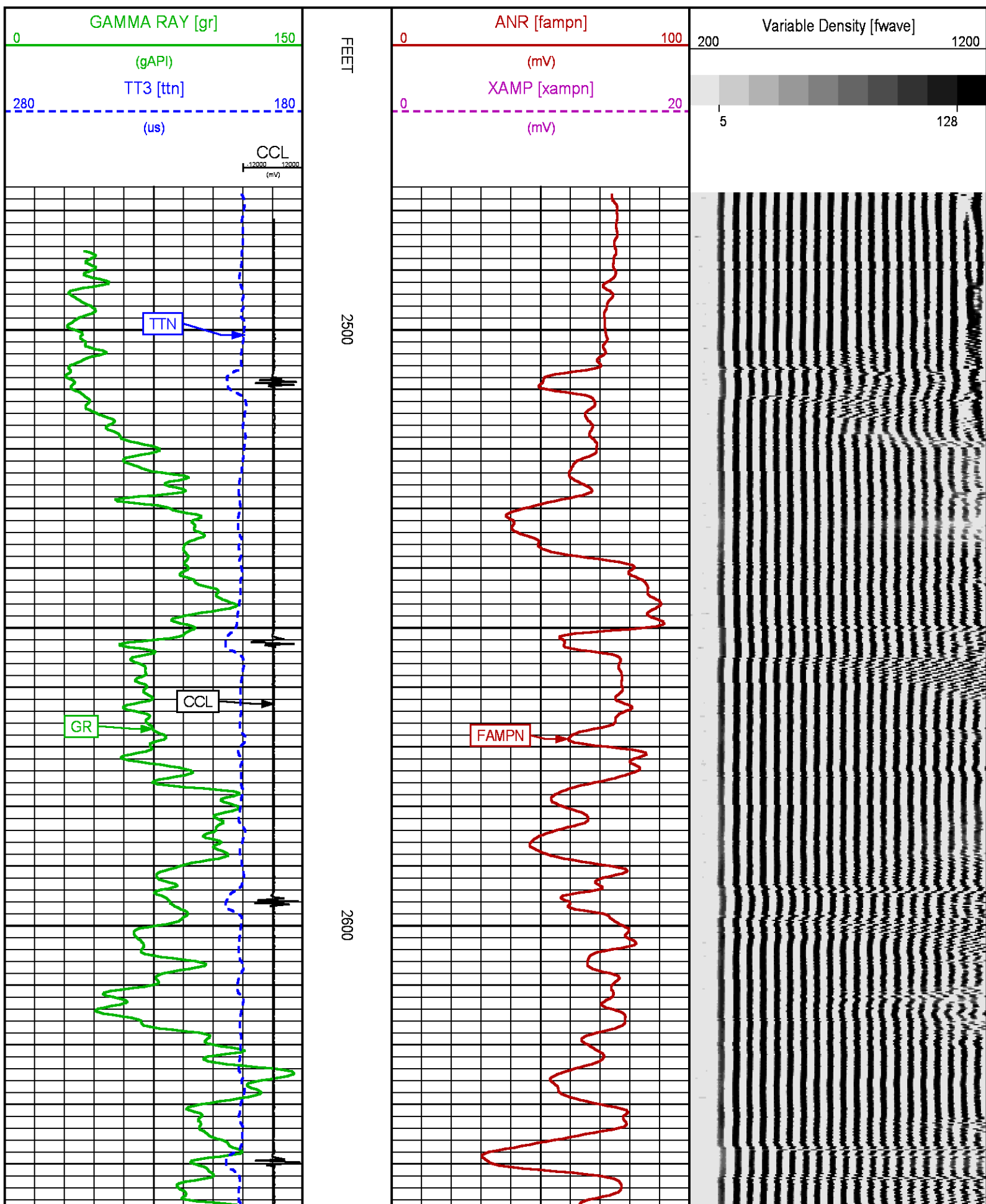
CURVE MEASURE POINT OFFSET

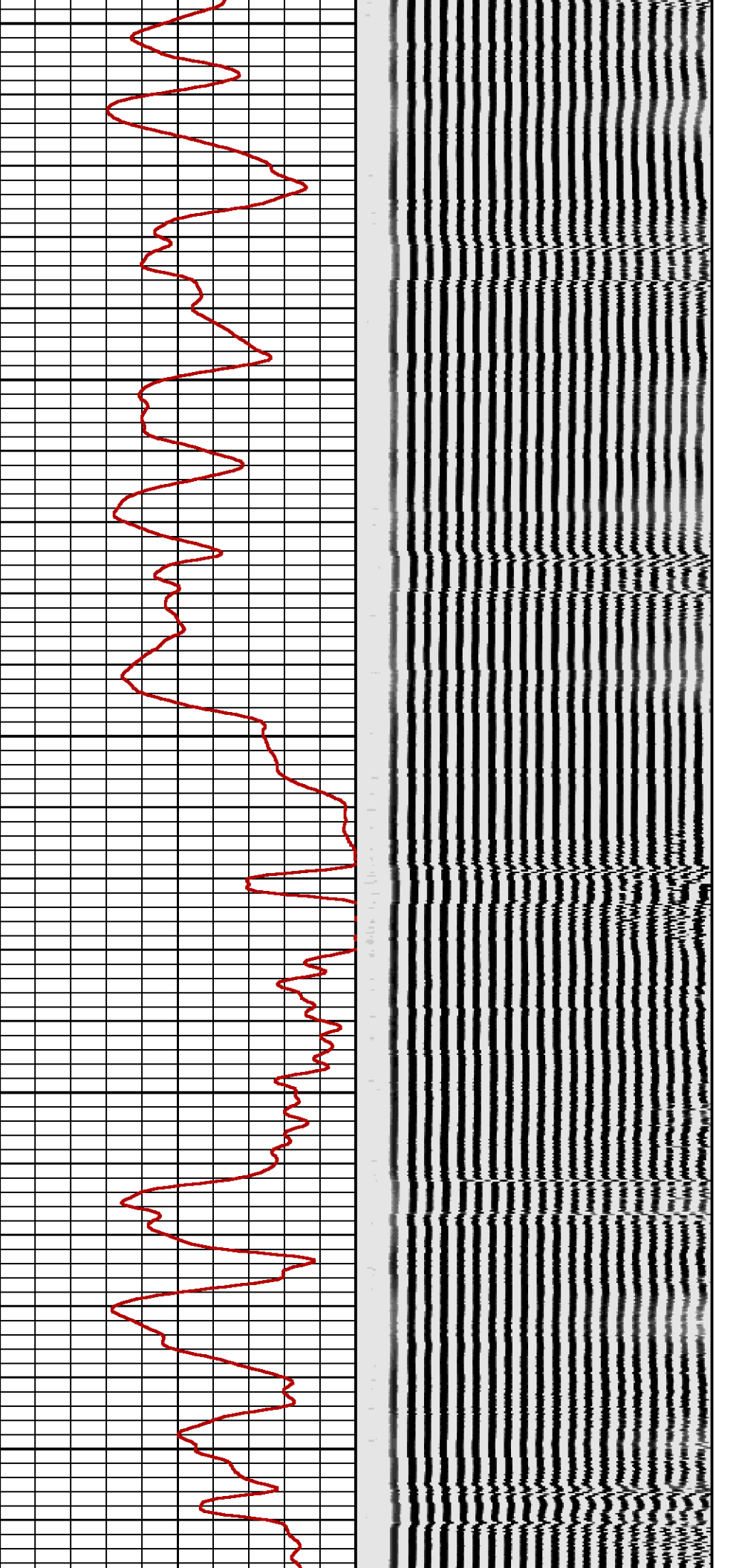
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

Presentation : cpu100:/dat1a/CH43C2/43C_CBL_MAIN.fvpdf [5"/100' Scale]
 Plot Interval : 2477 - 8730 Feet

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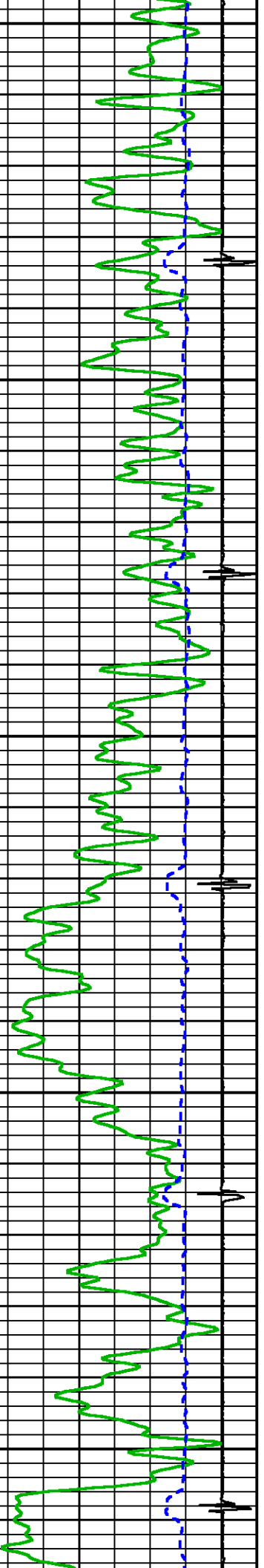
Created On : Feb 29 06:49:00 2010
Company : CAERUS OPERATING LLC
Well : PUCKETT 43C-2
Field : GRAND VALLEY
File Interval : 2476 - 8720.5 Feet
OCT : n012g

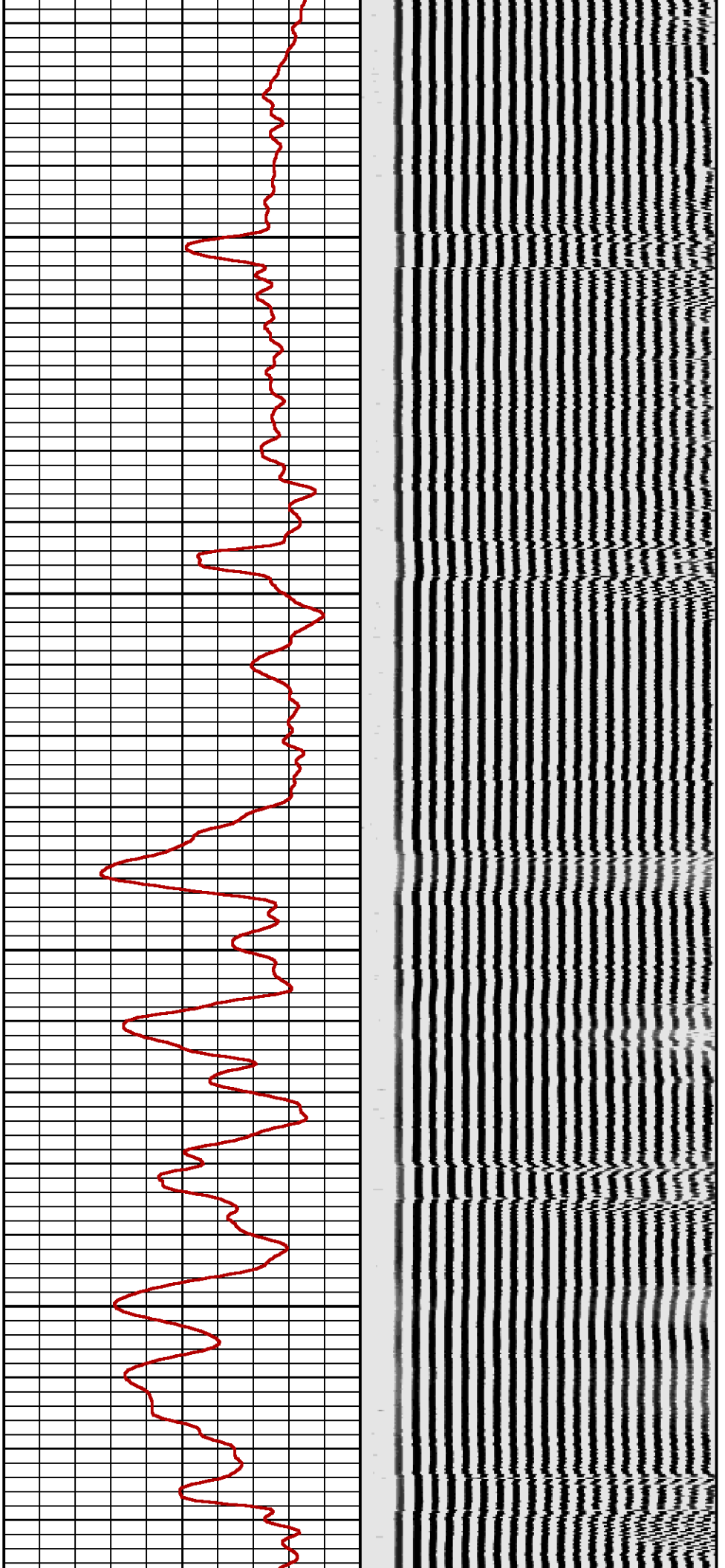




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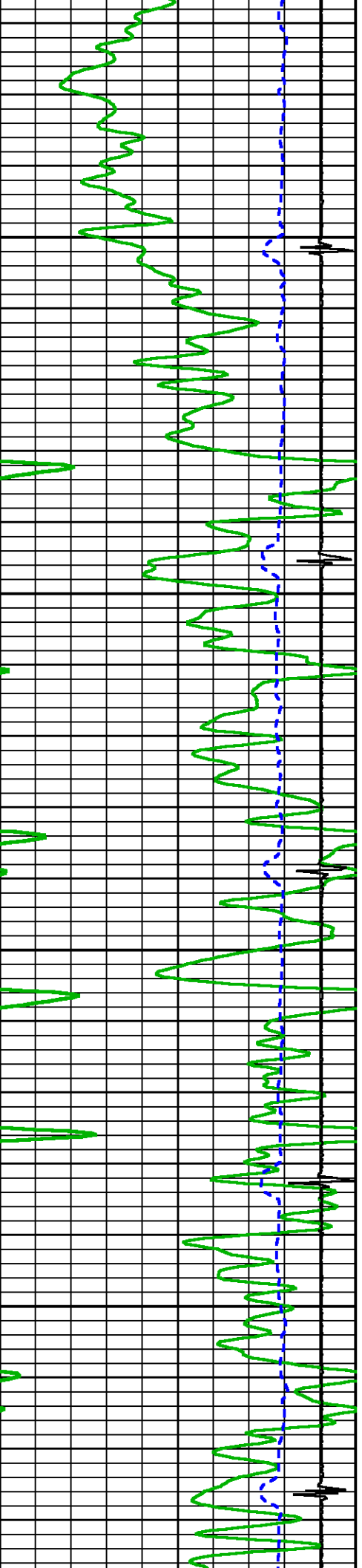
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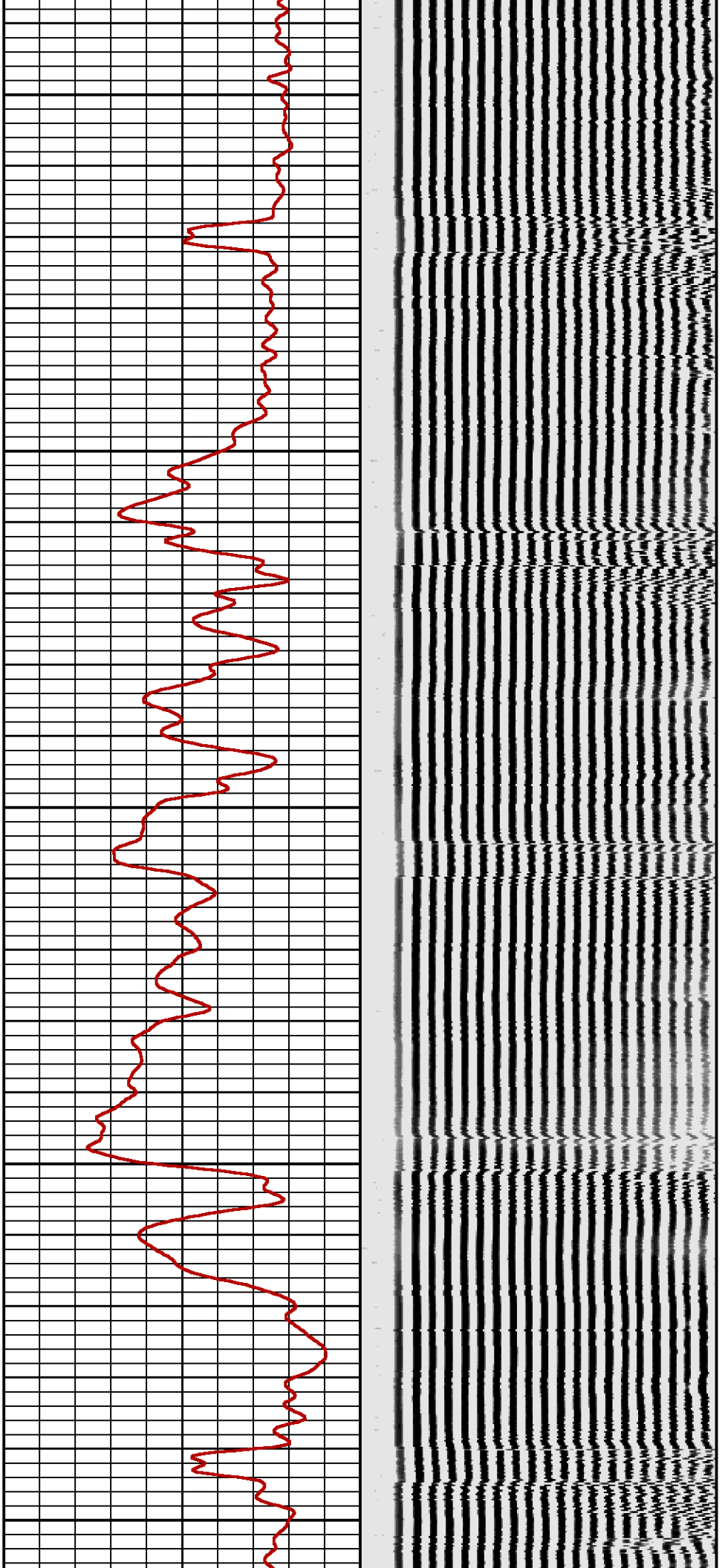




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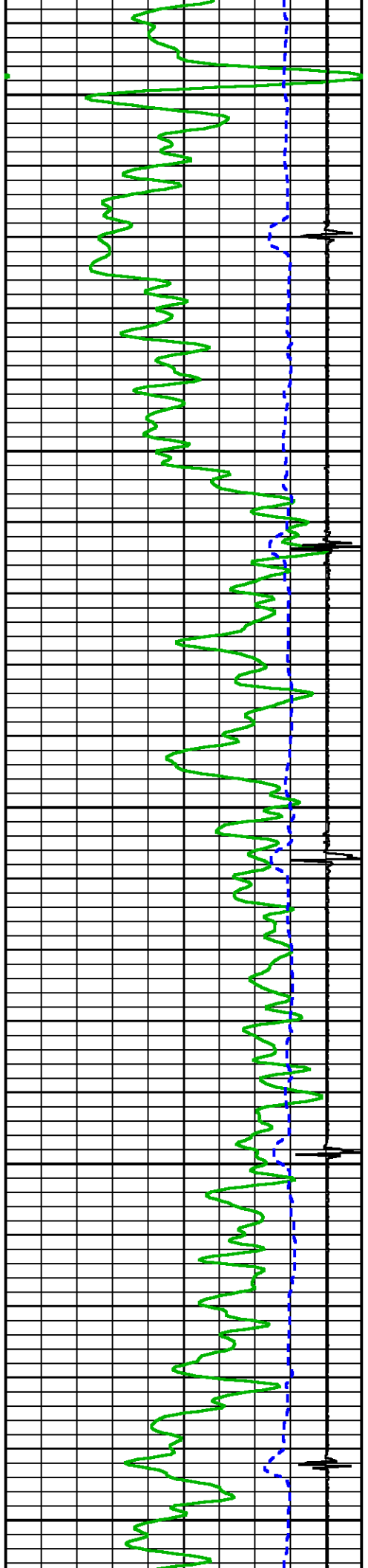


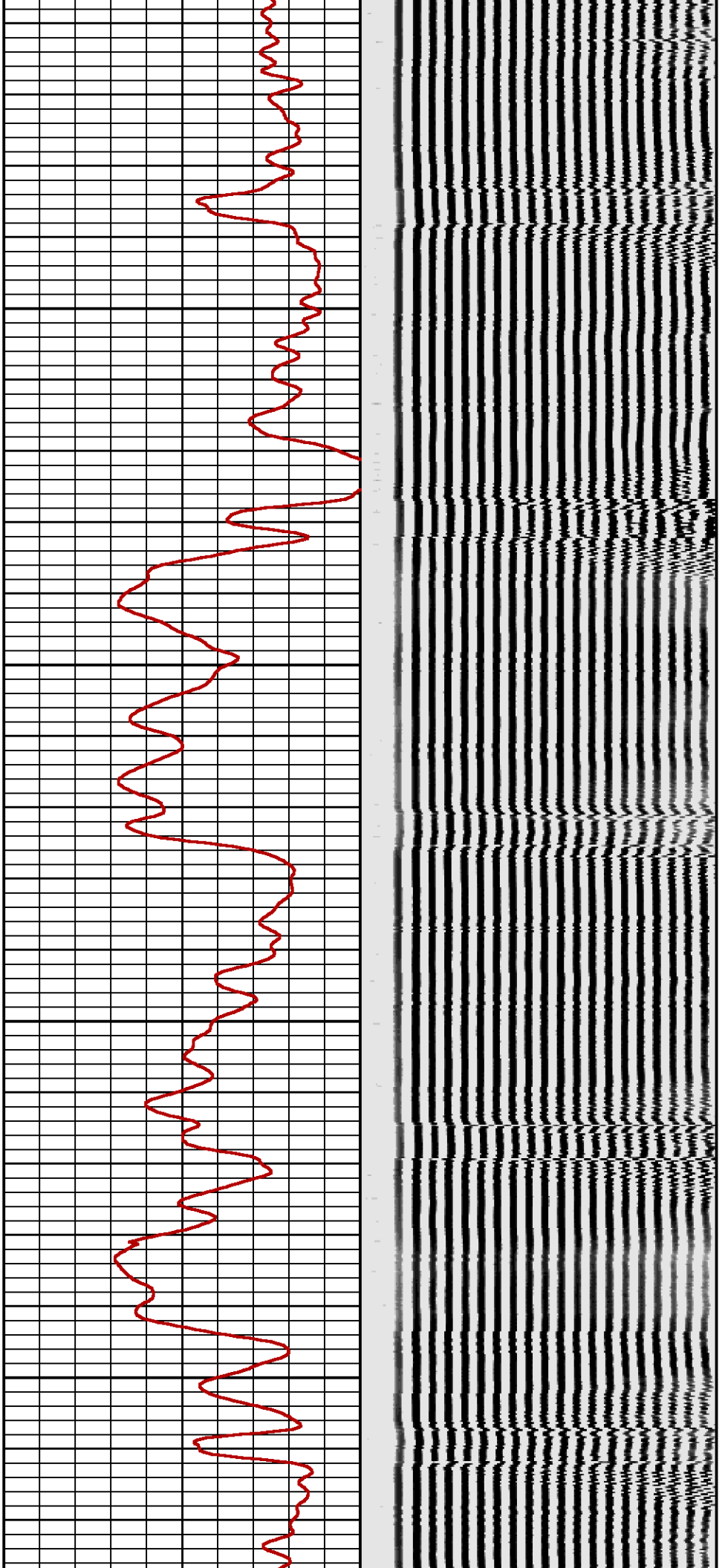


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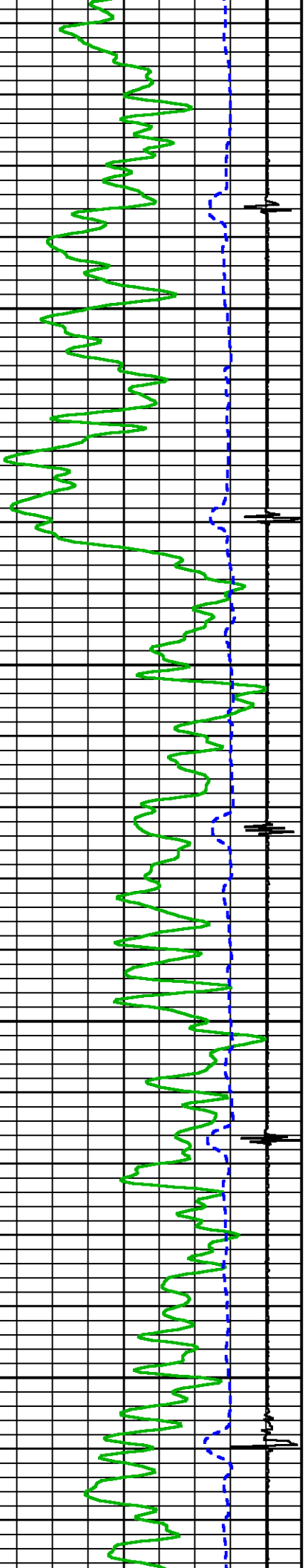
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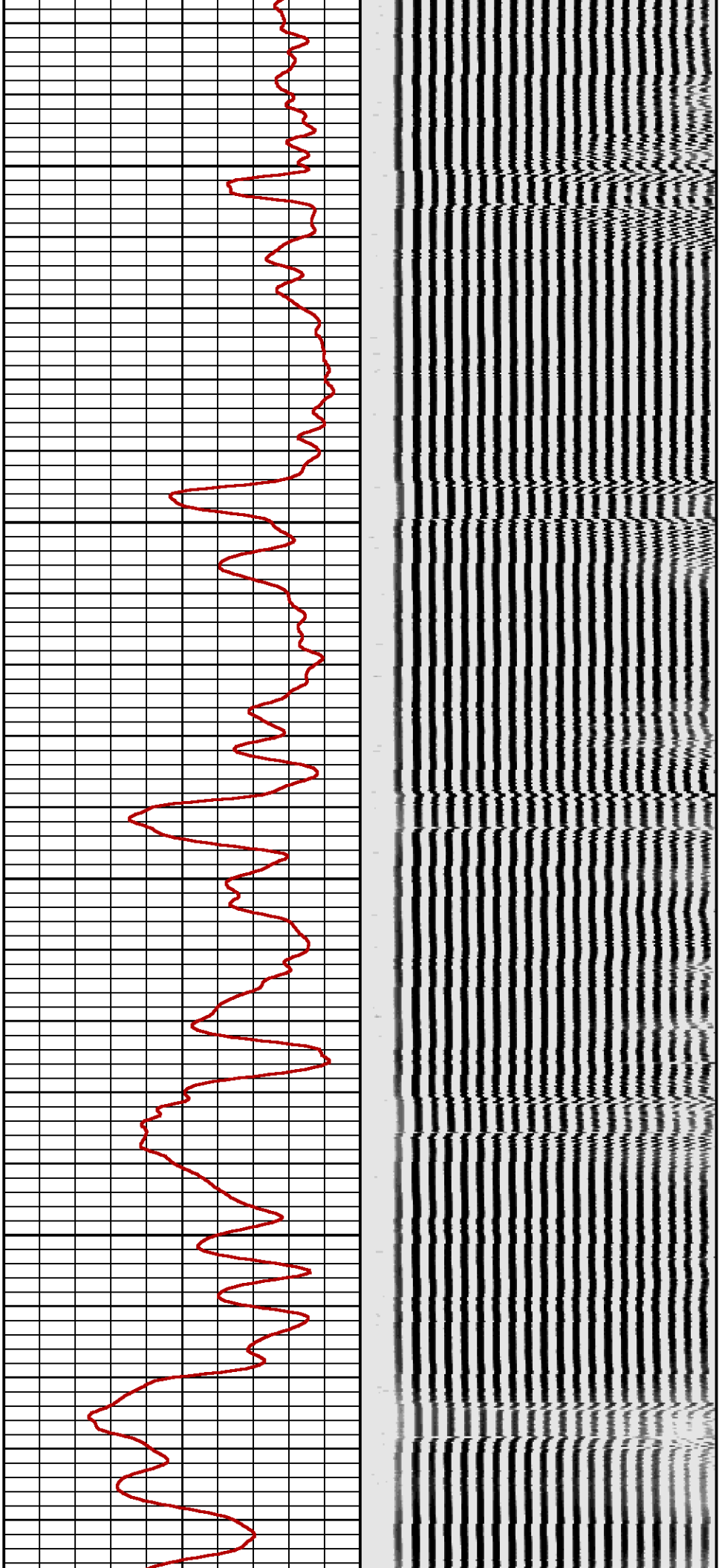




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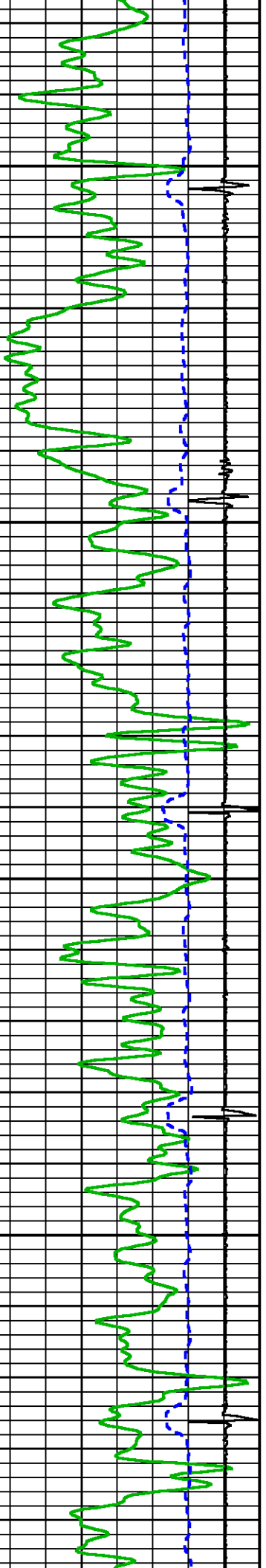
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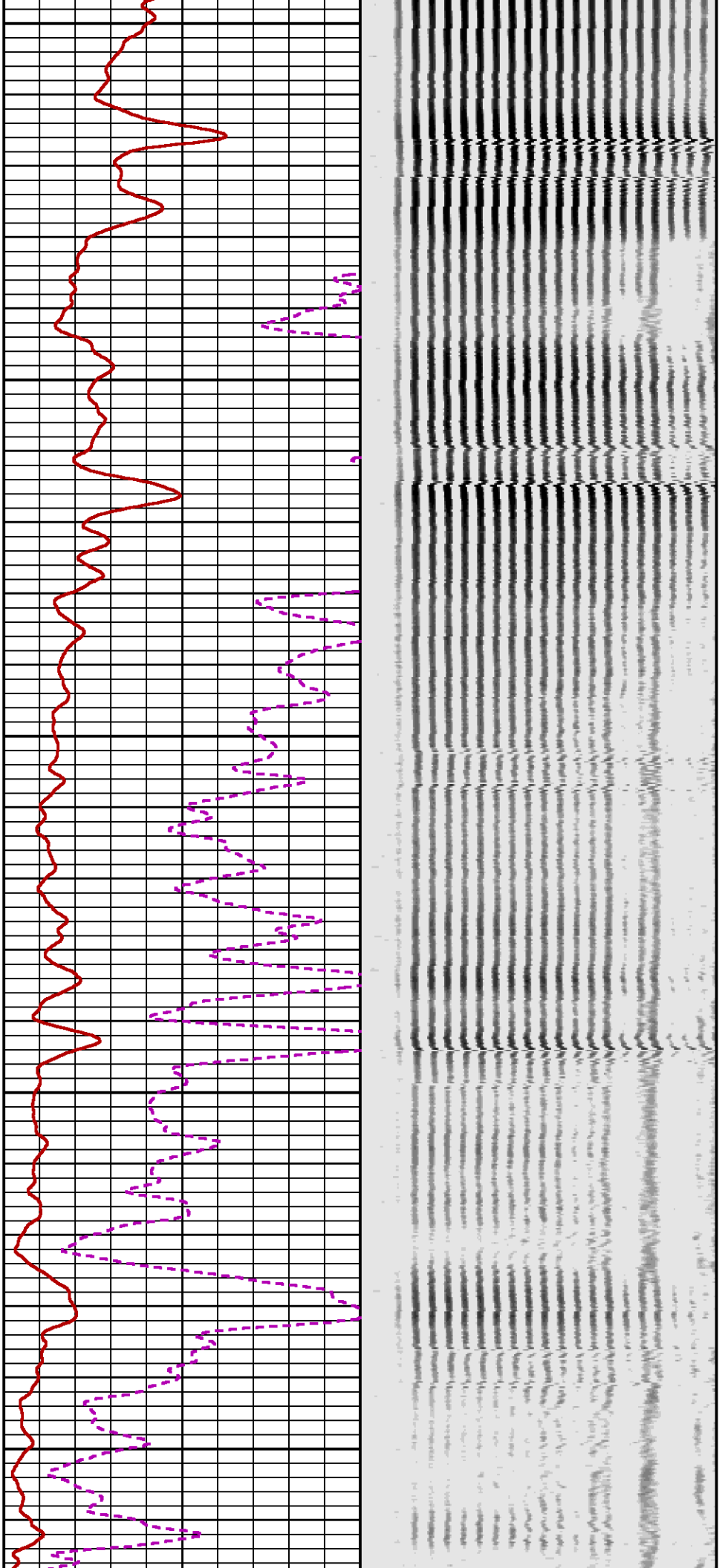




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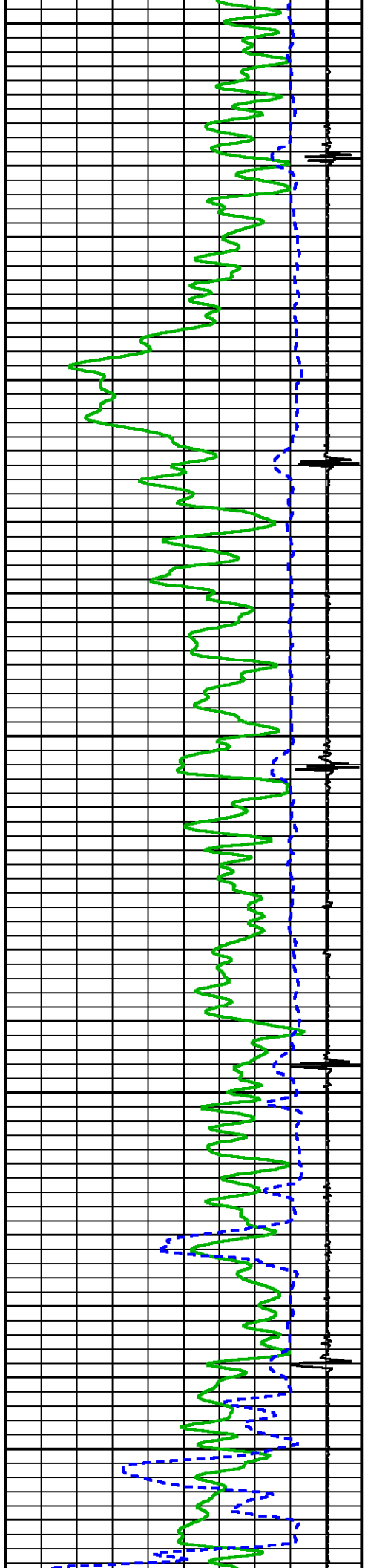
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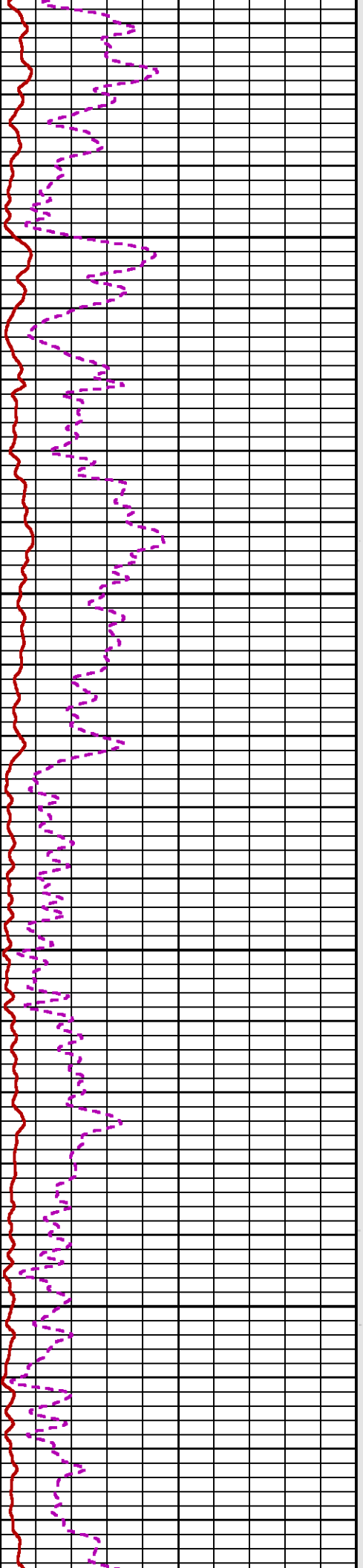
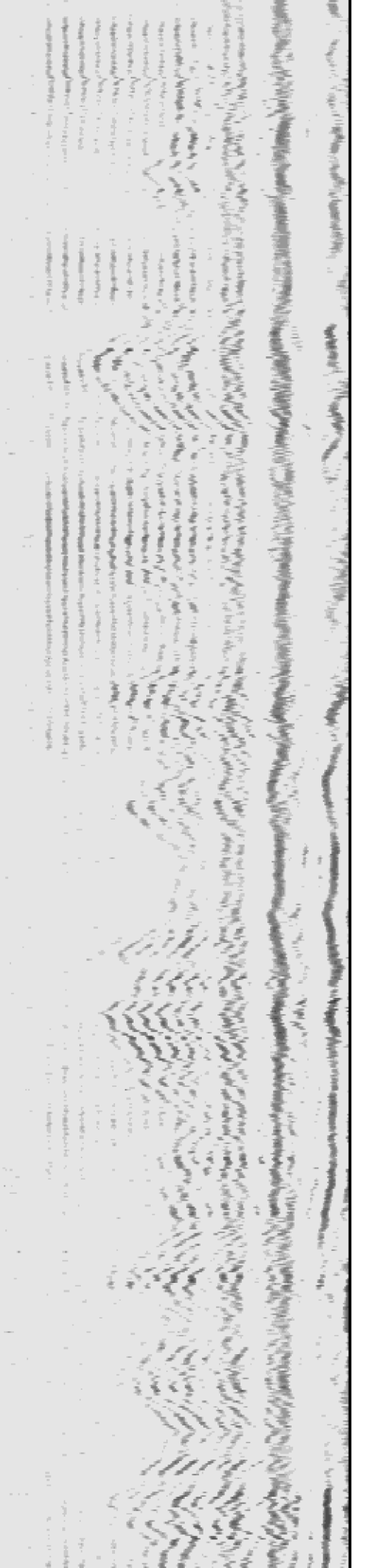




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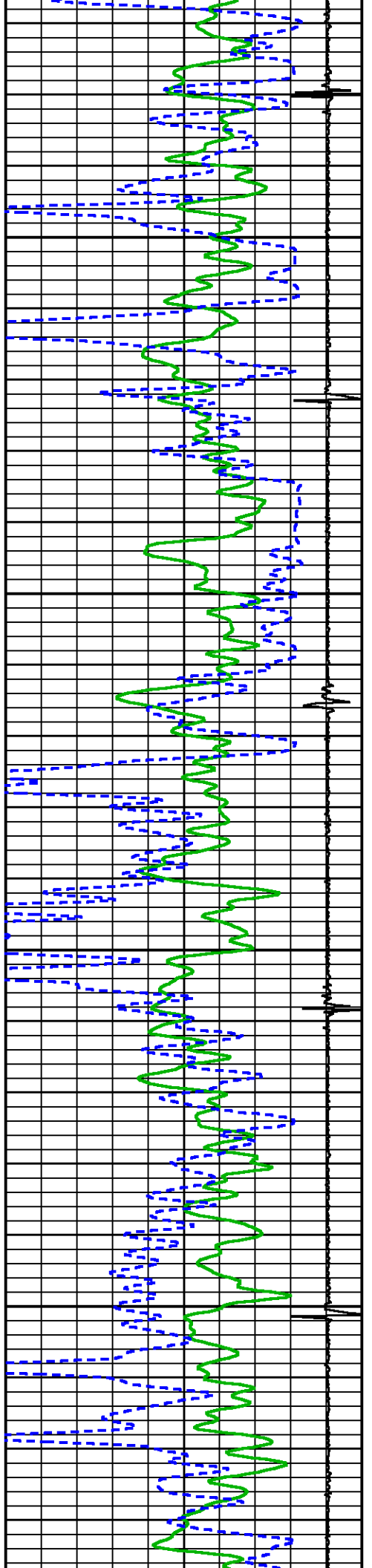
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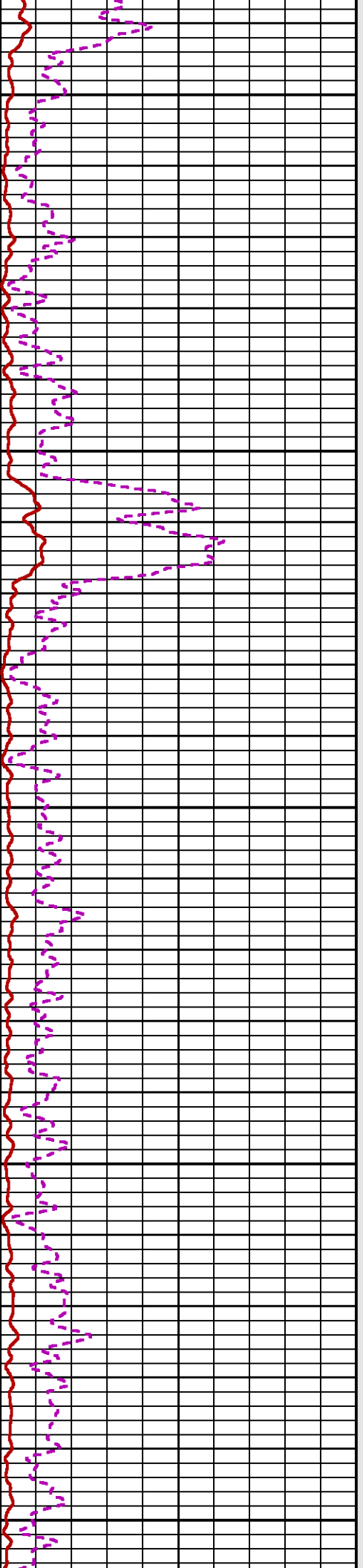
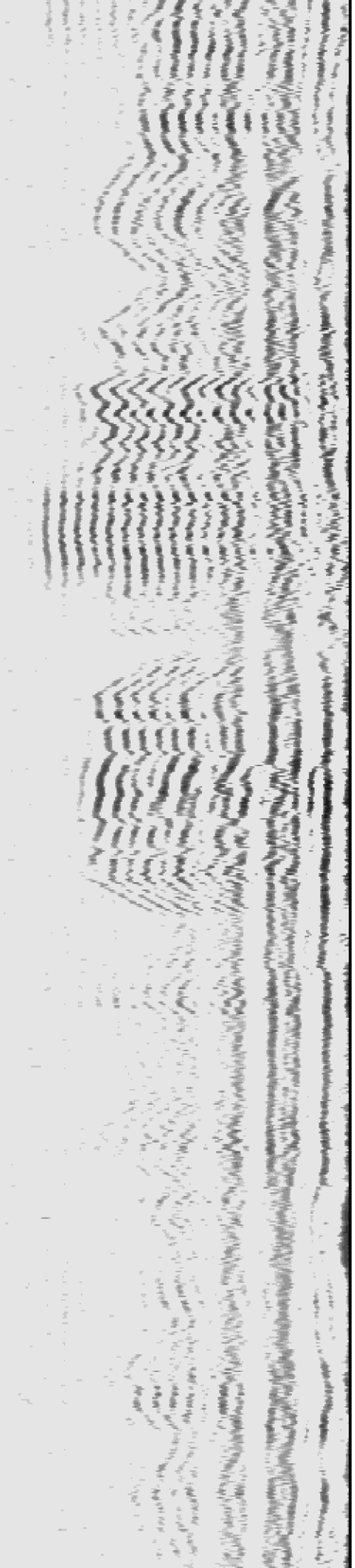




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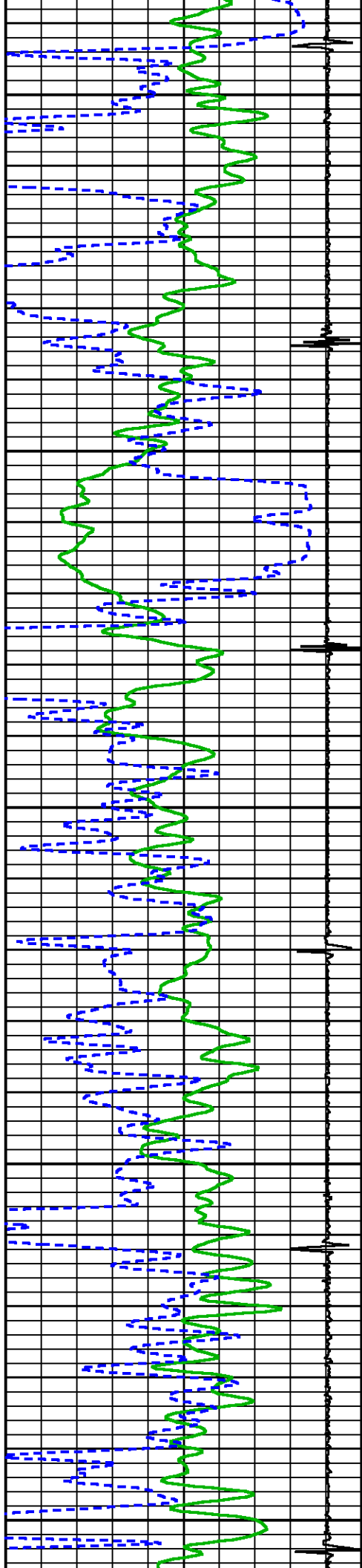


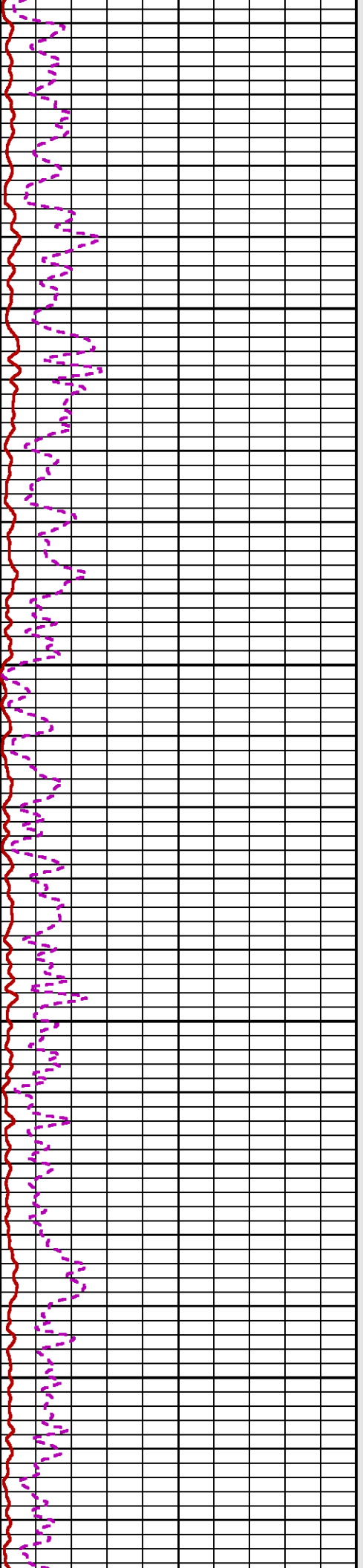
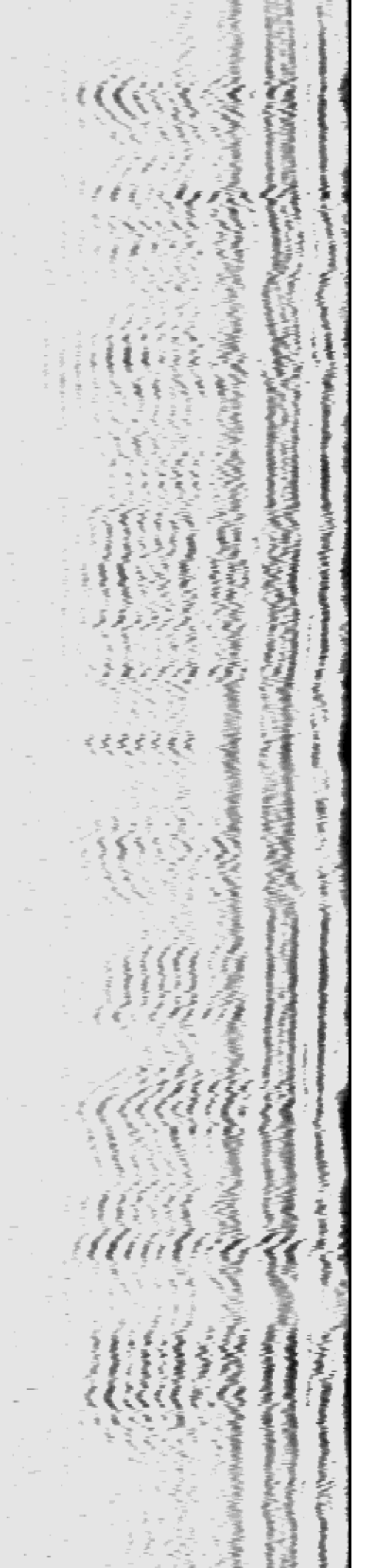


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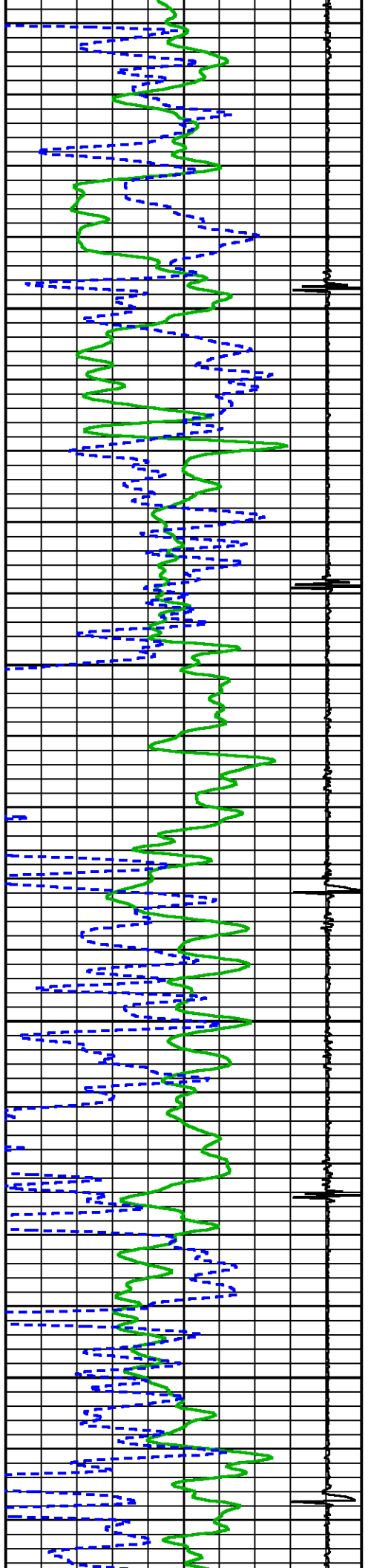
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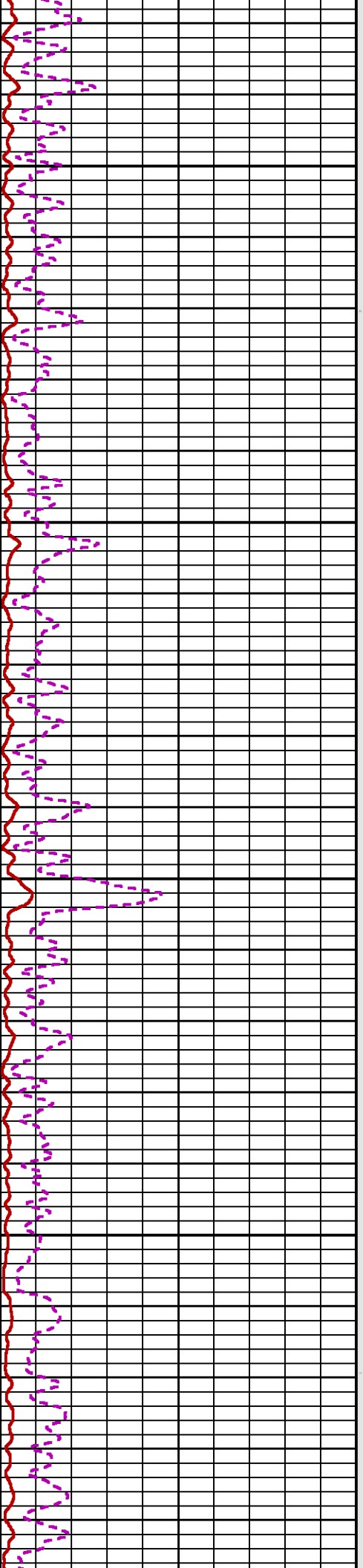
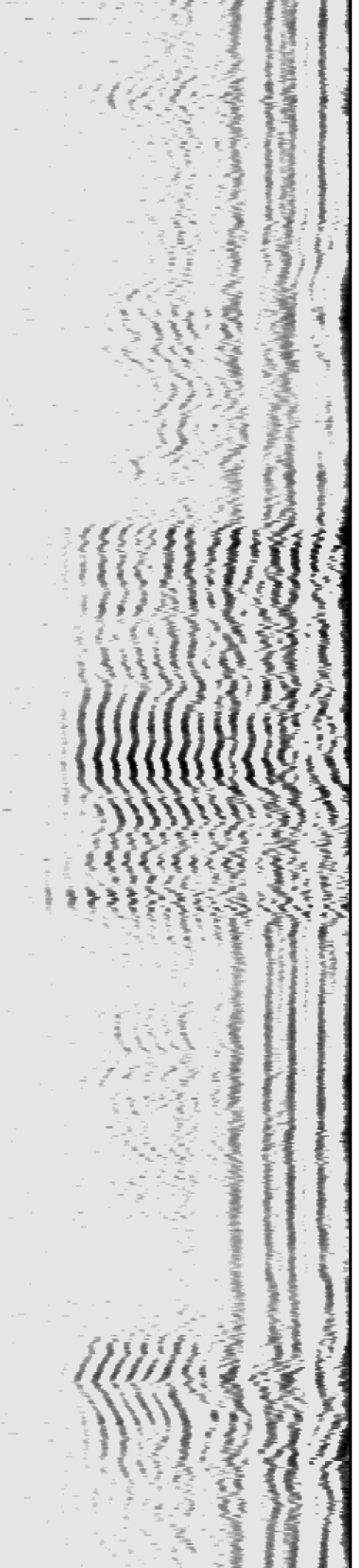




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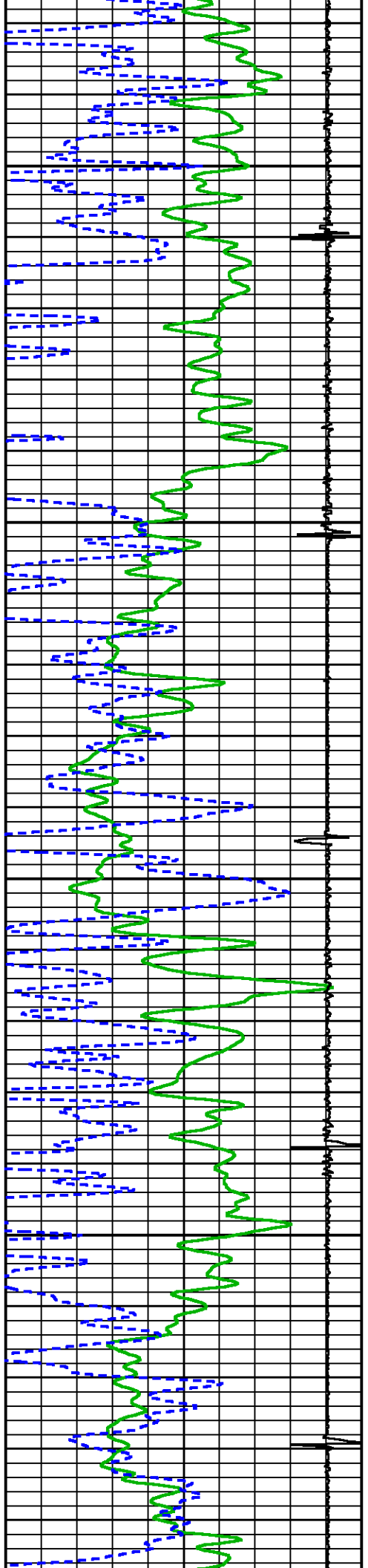
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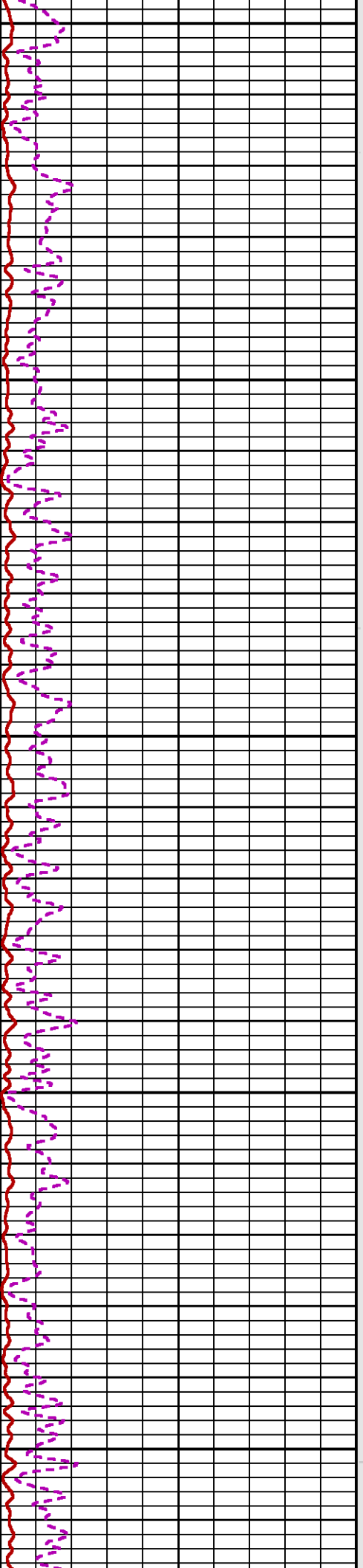
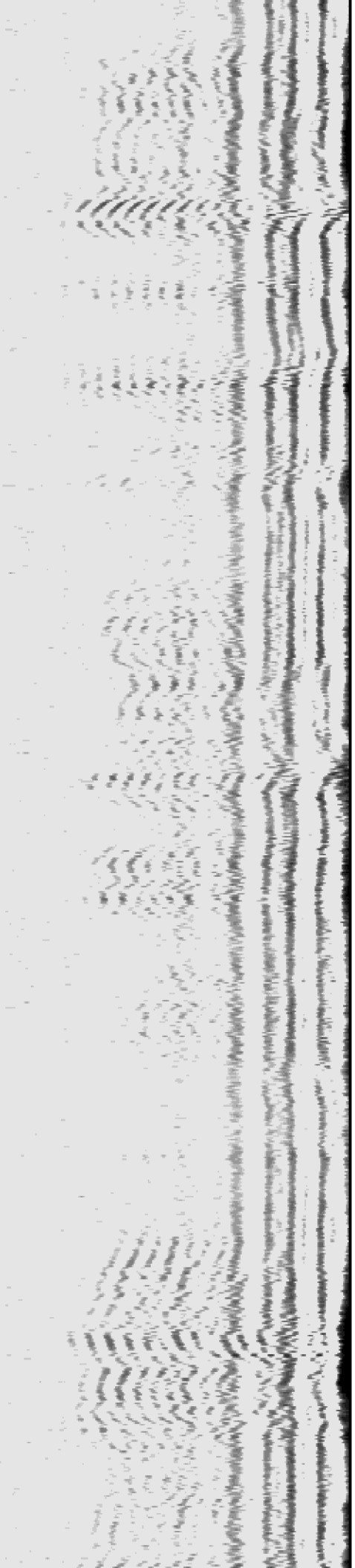




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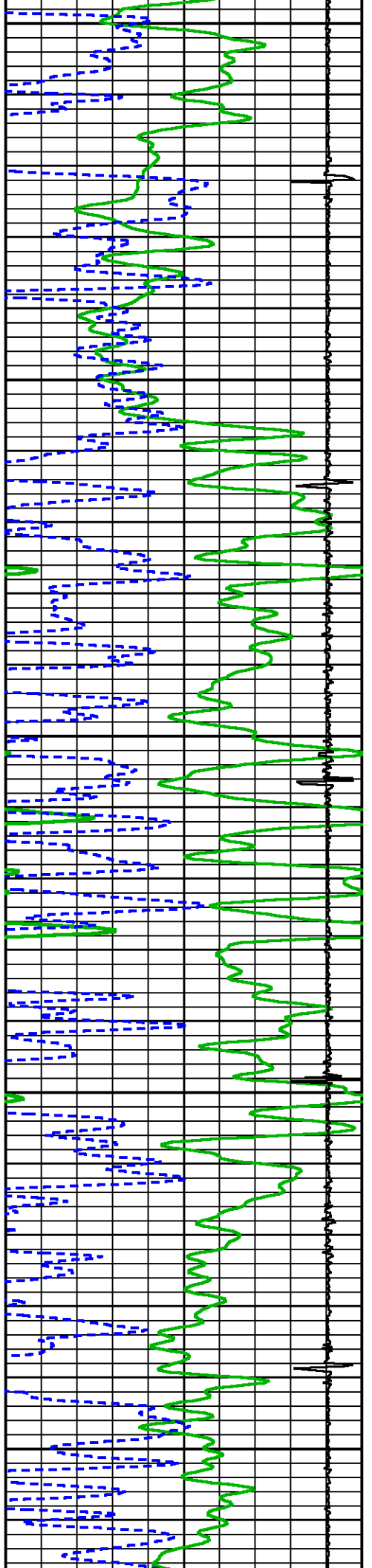
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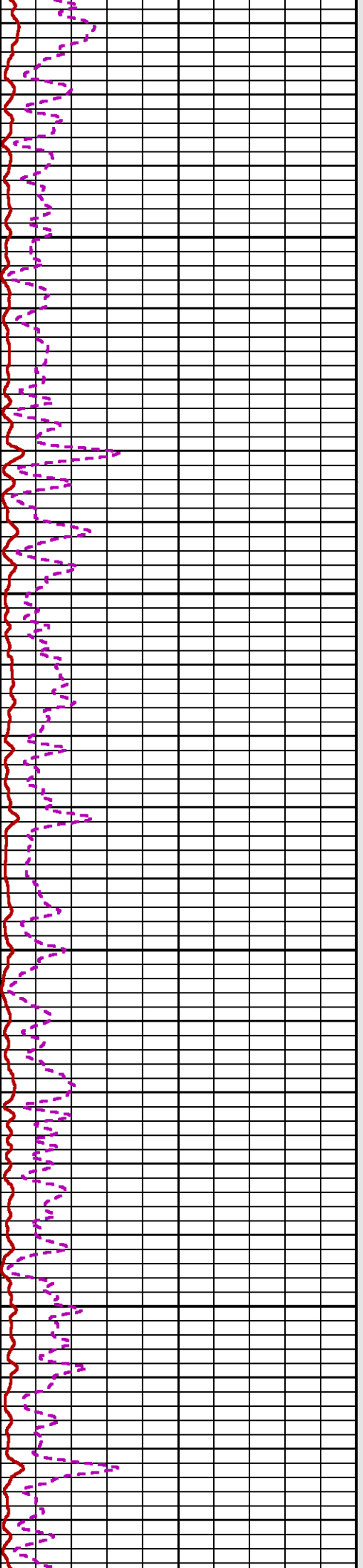
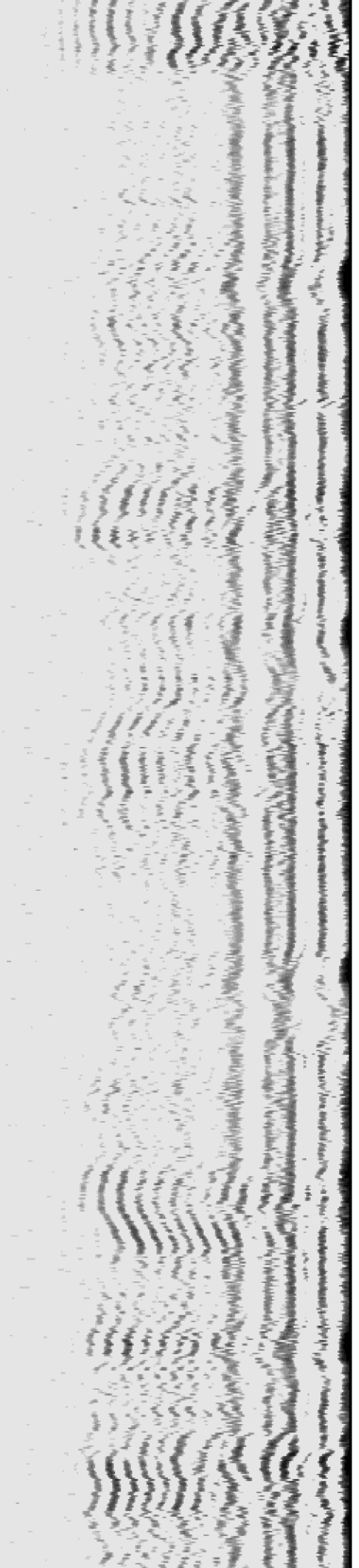




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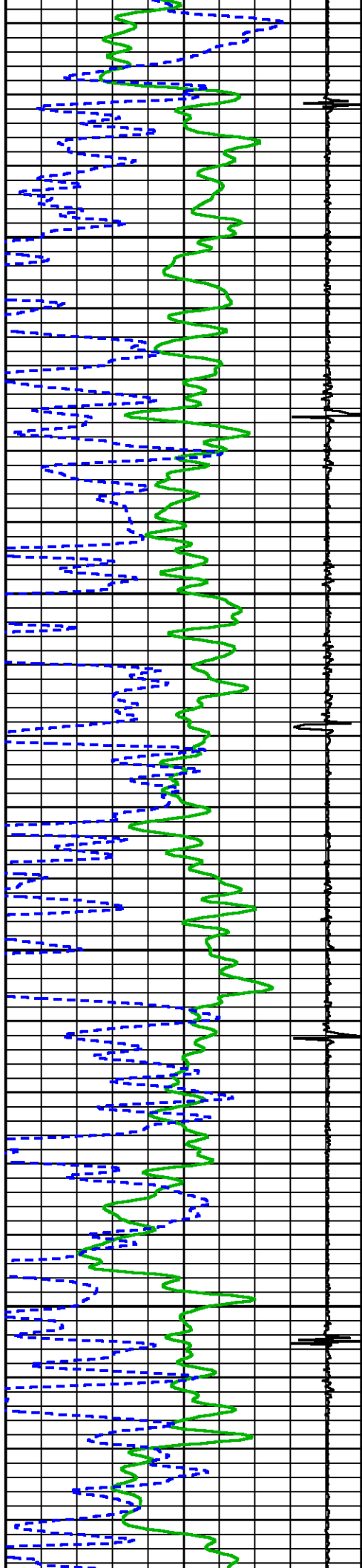
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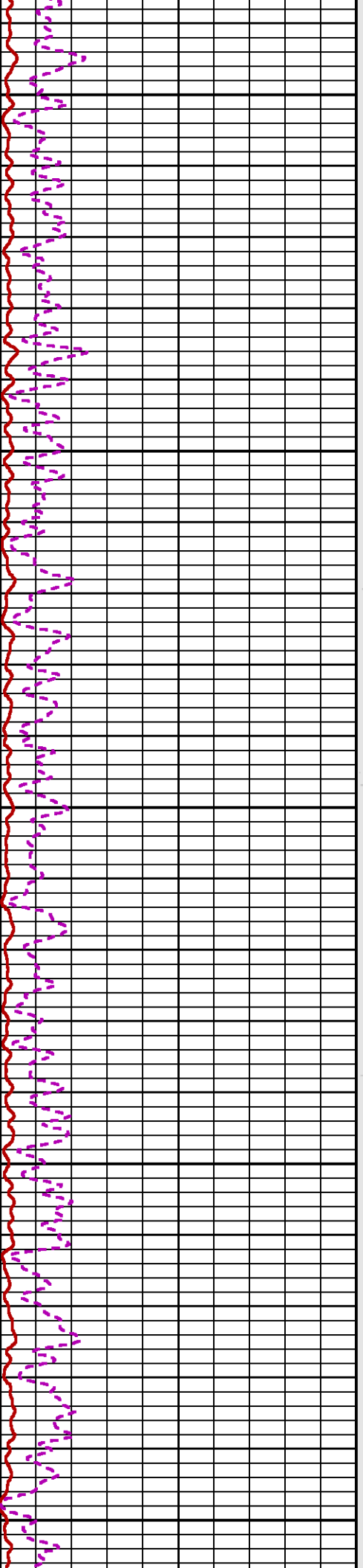
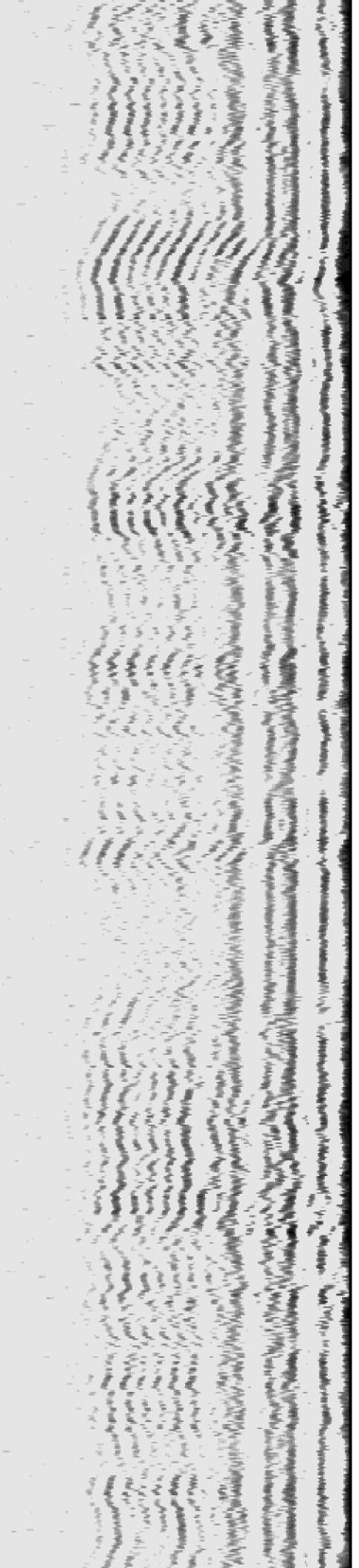




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5200

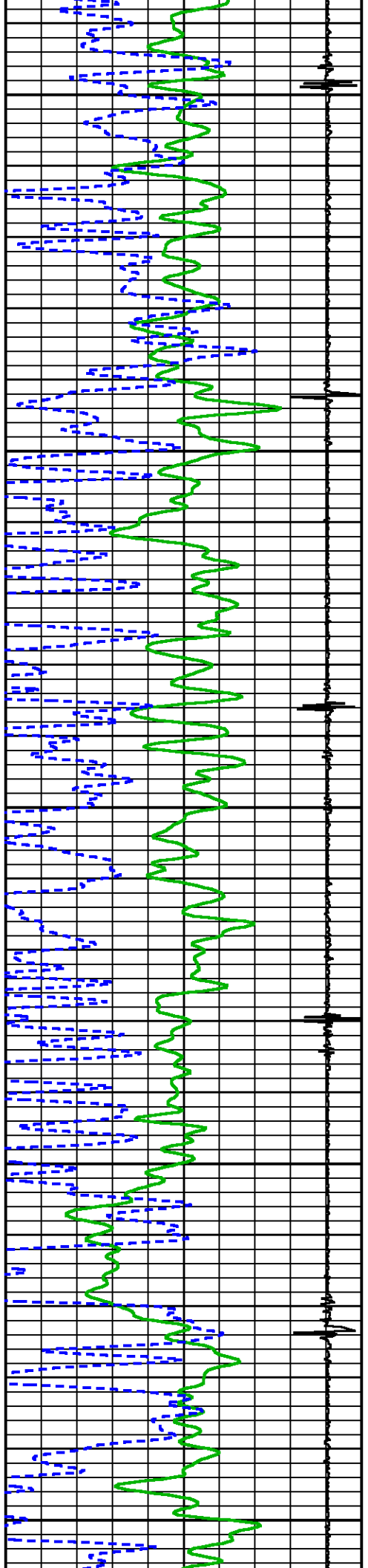


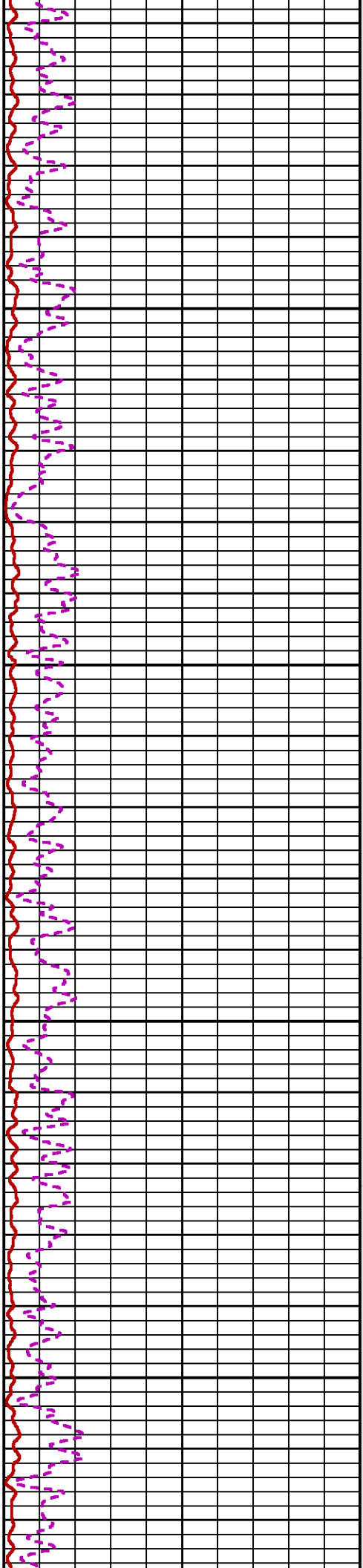
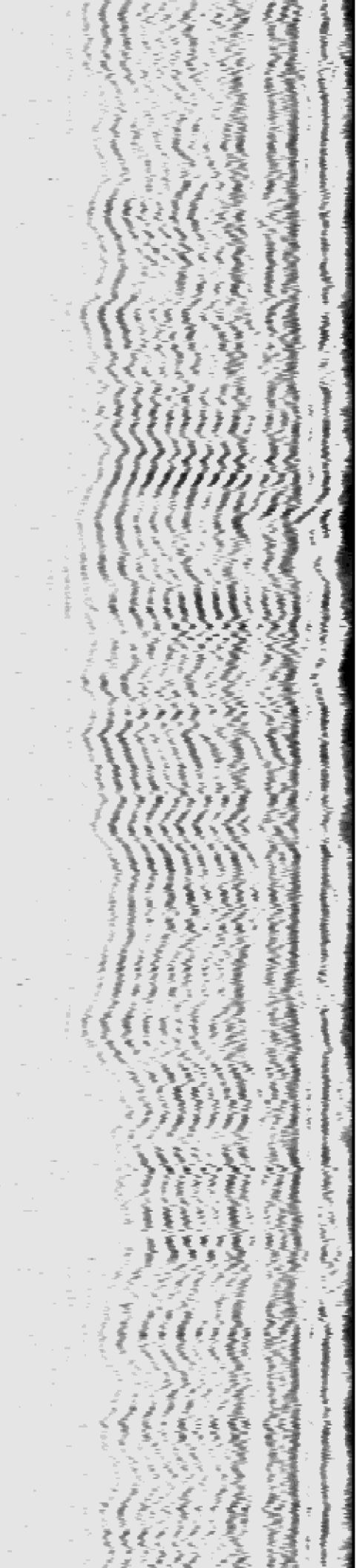


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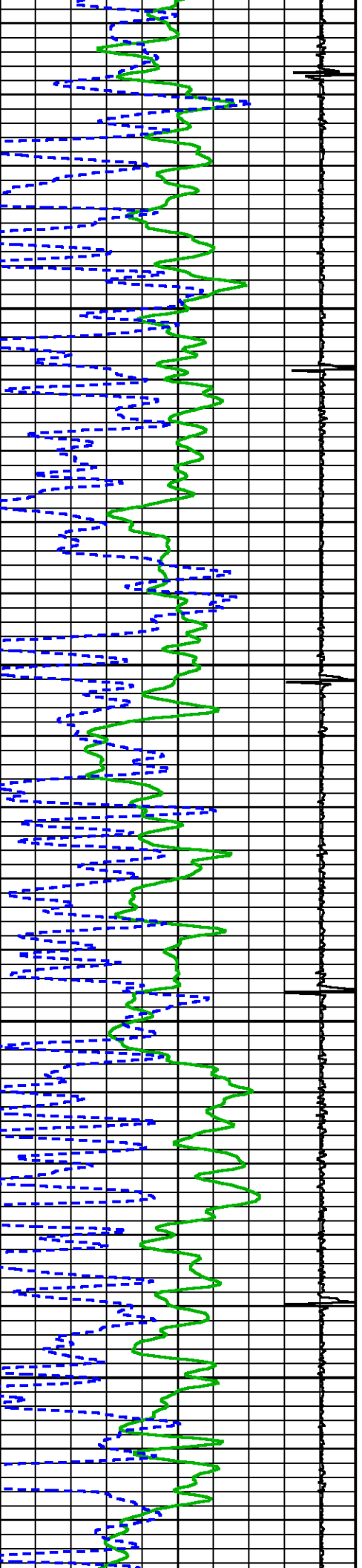
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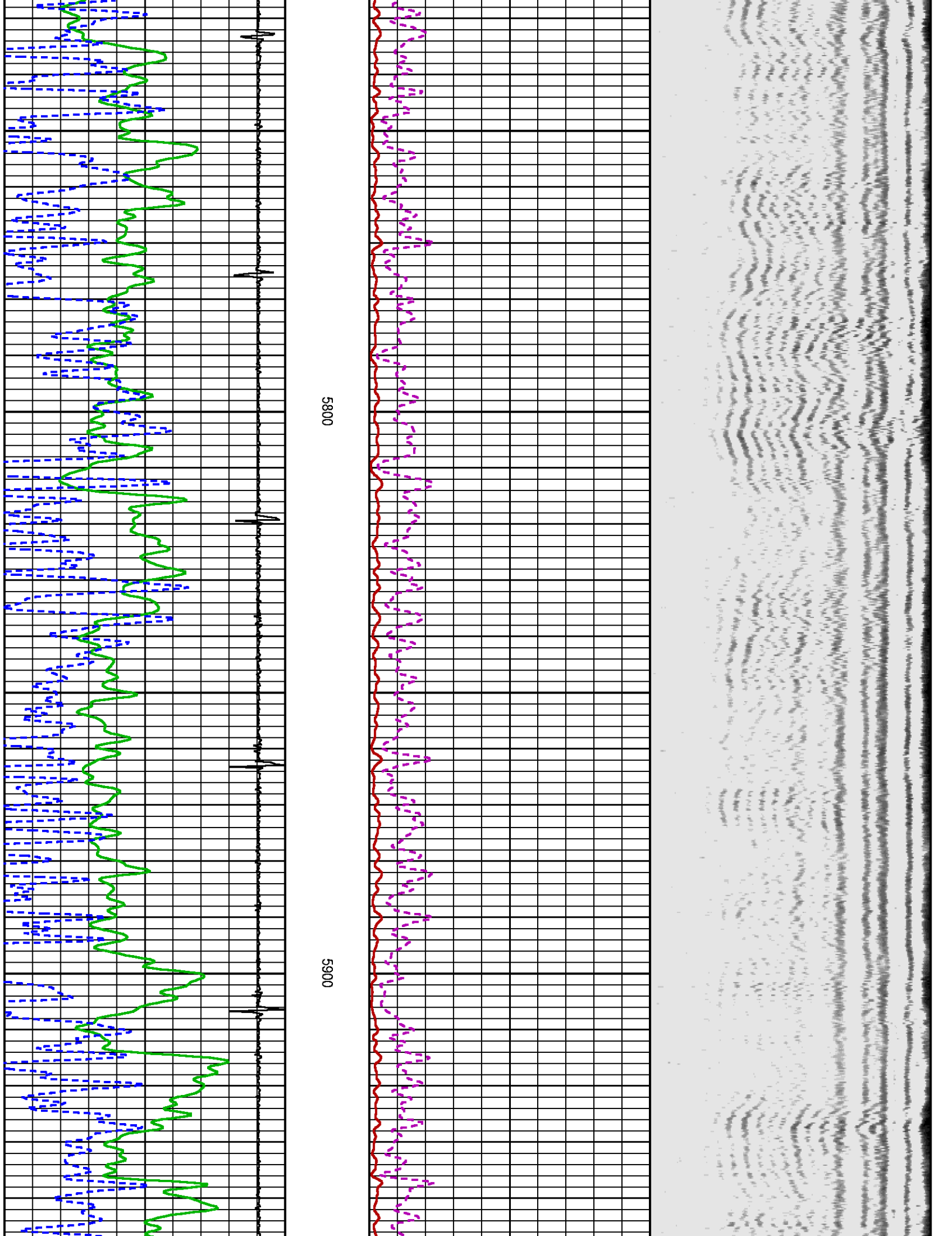


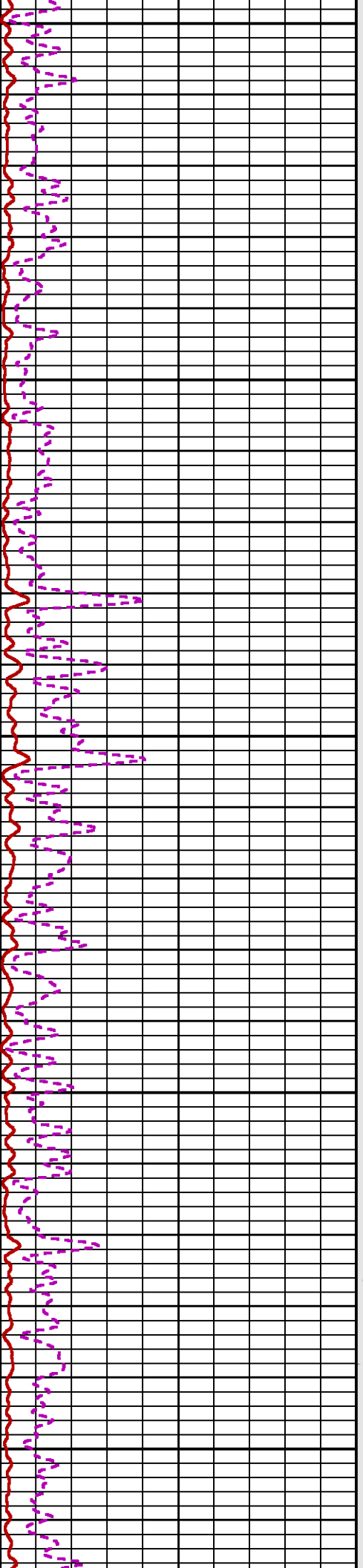
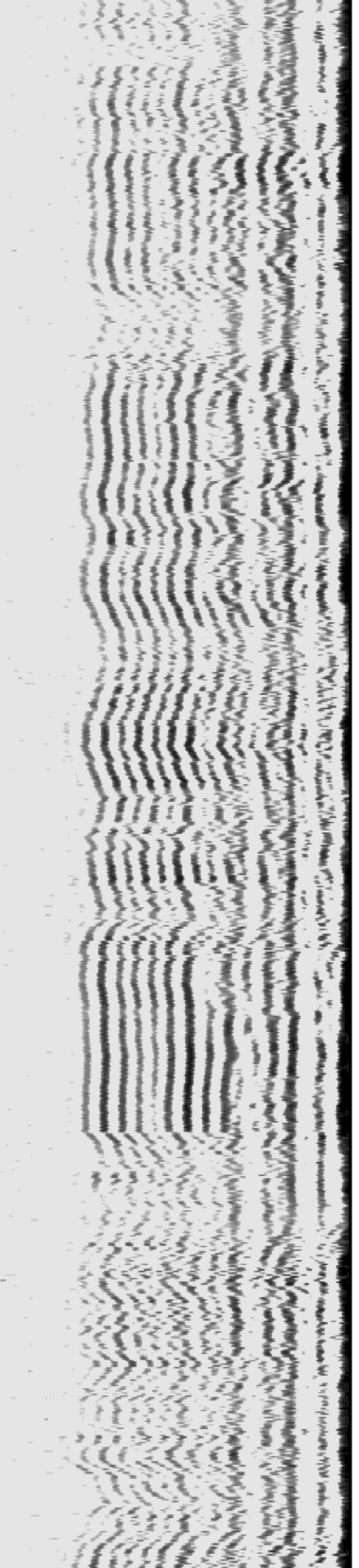


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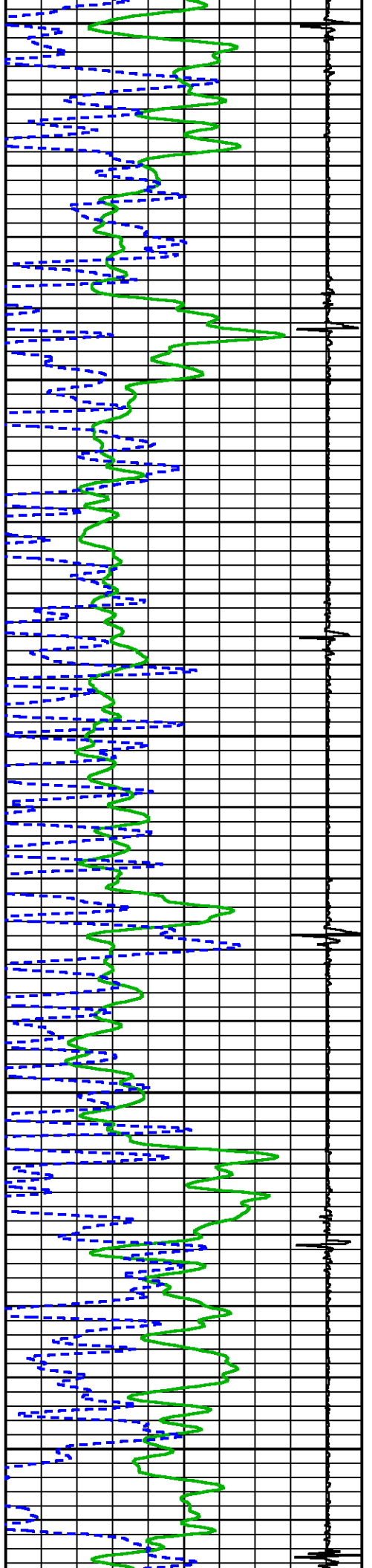


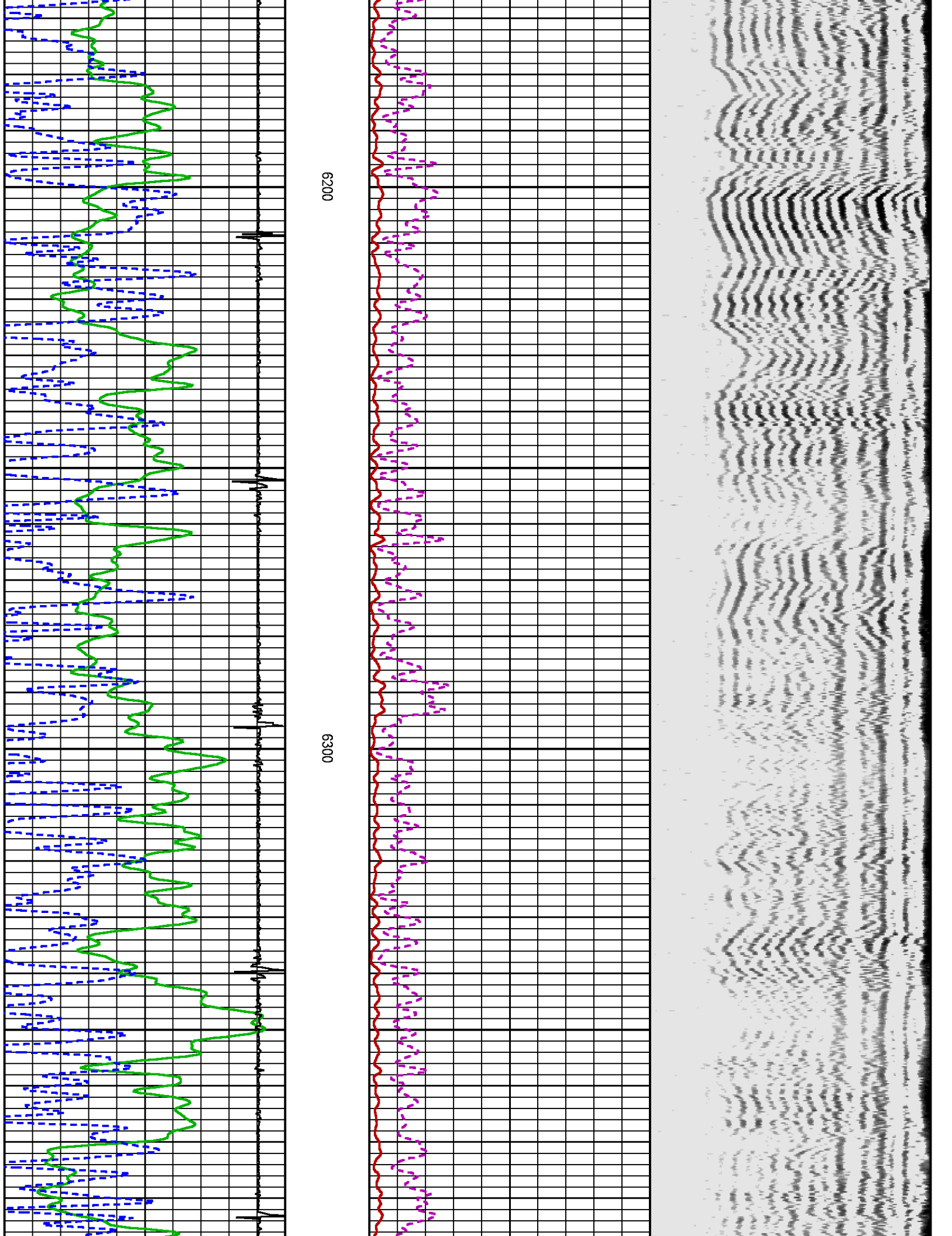


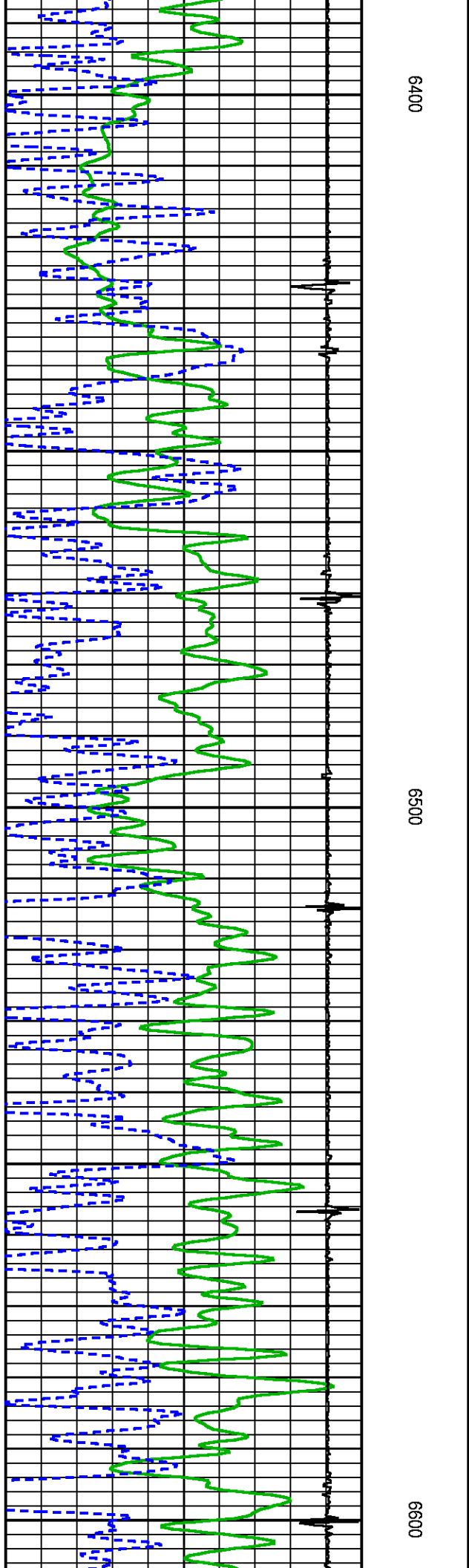
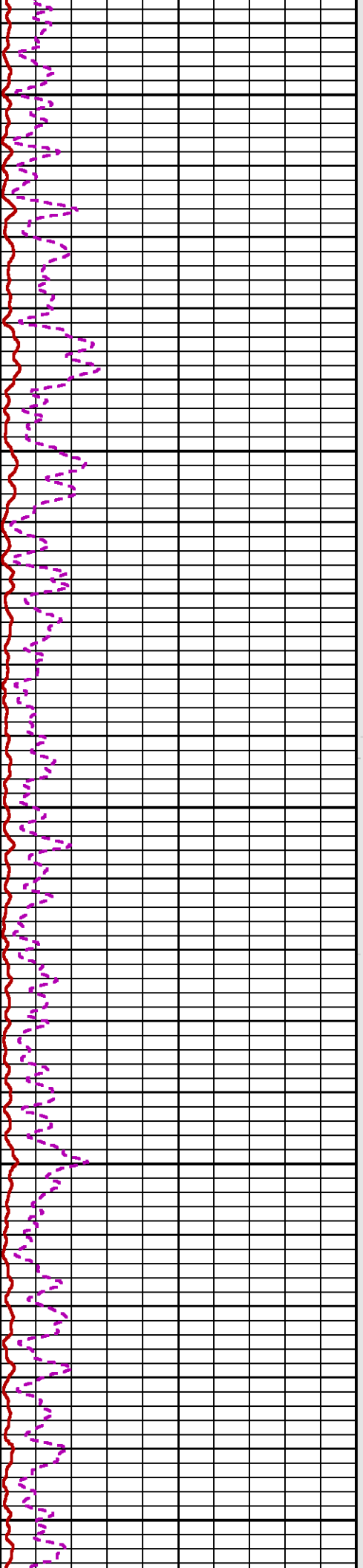
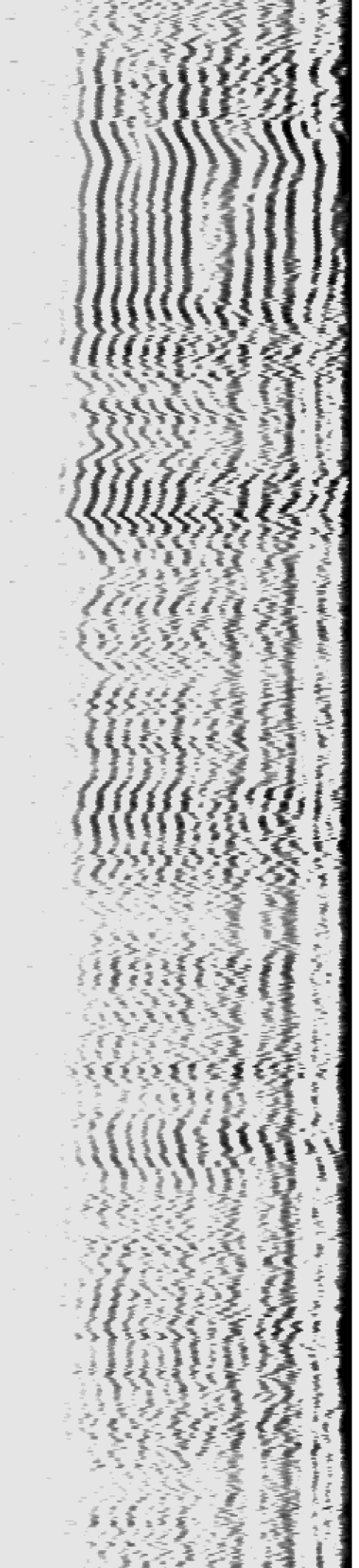


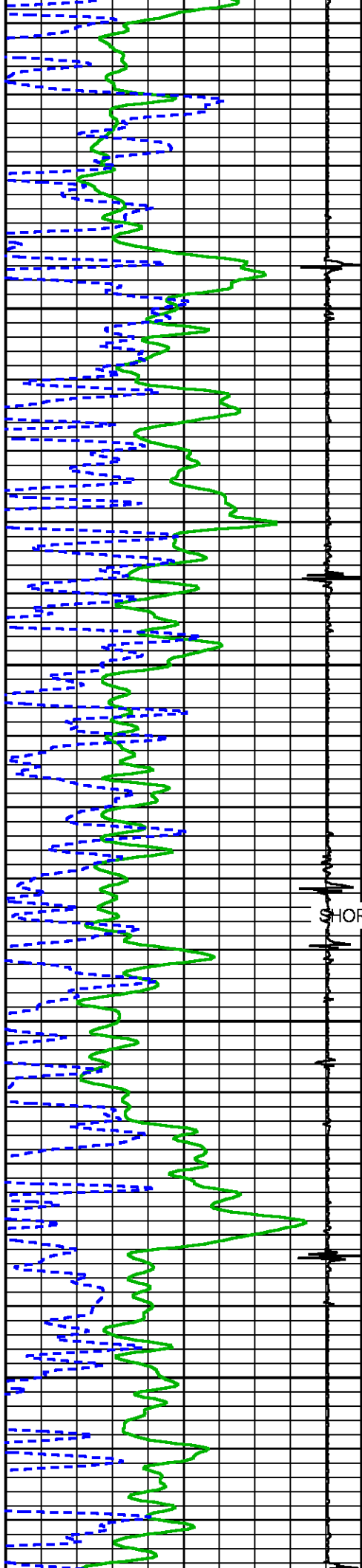
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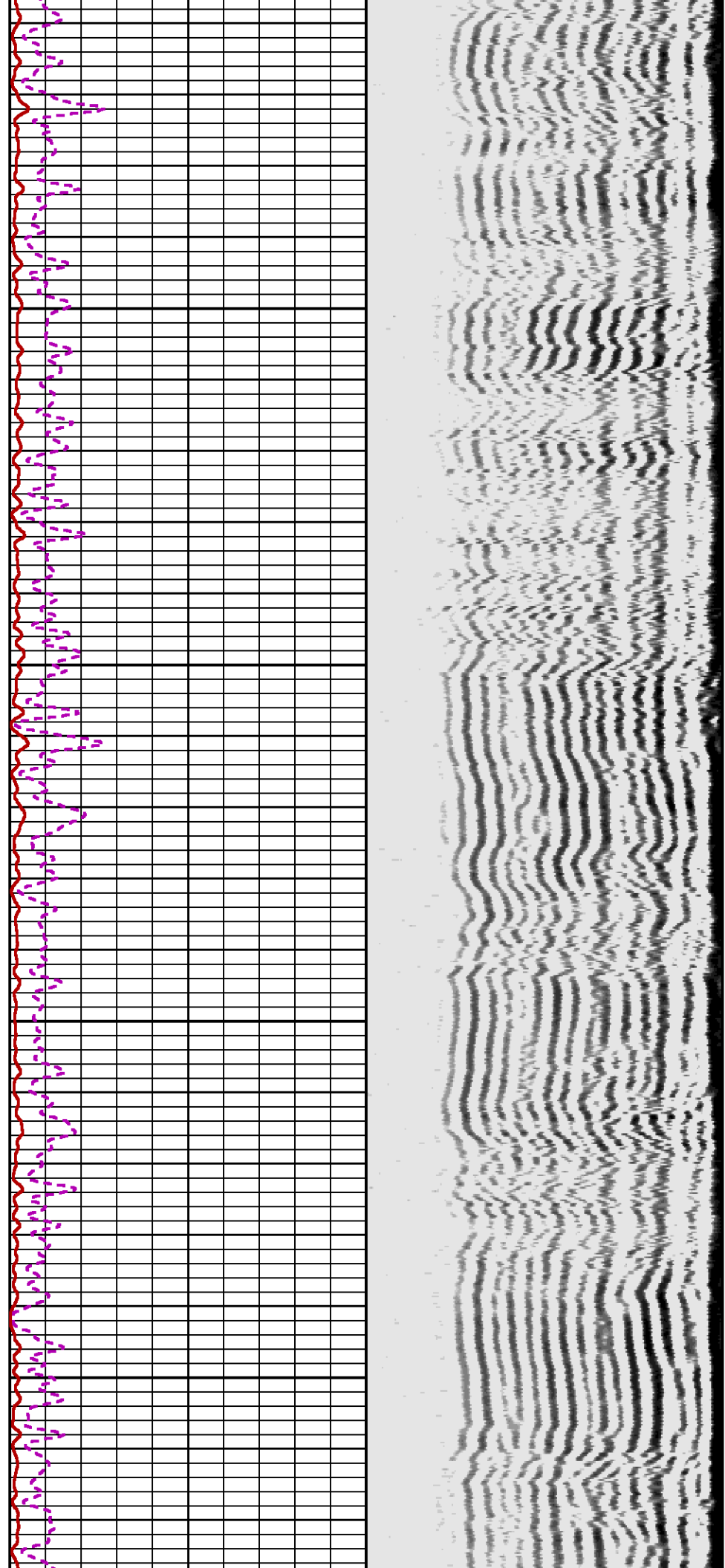


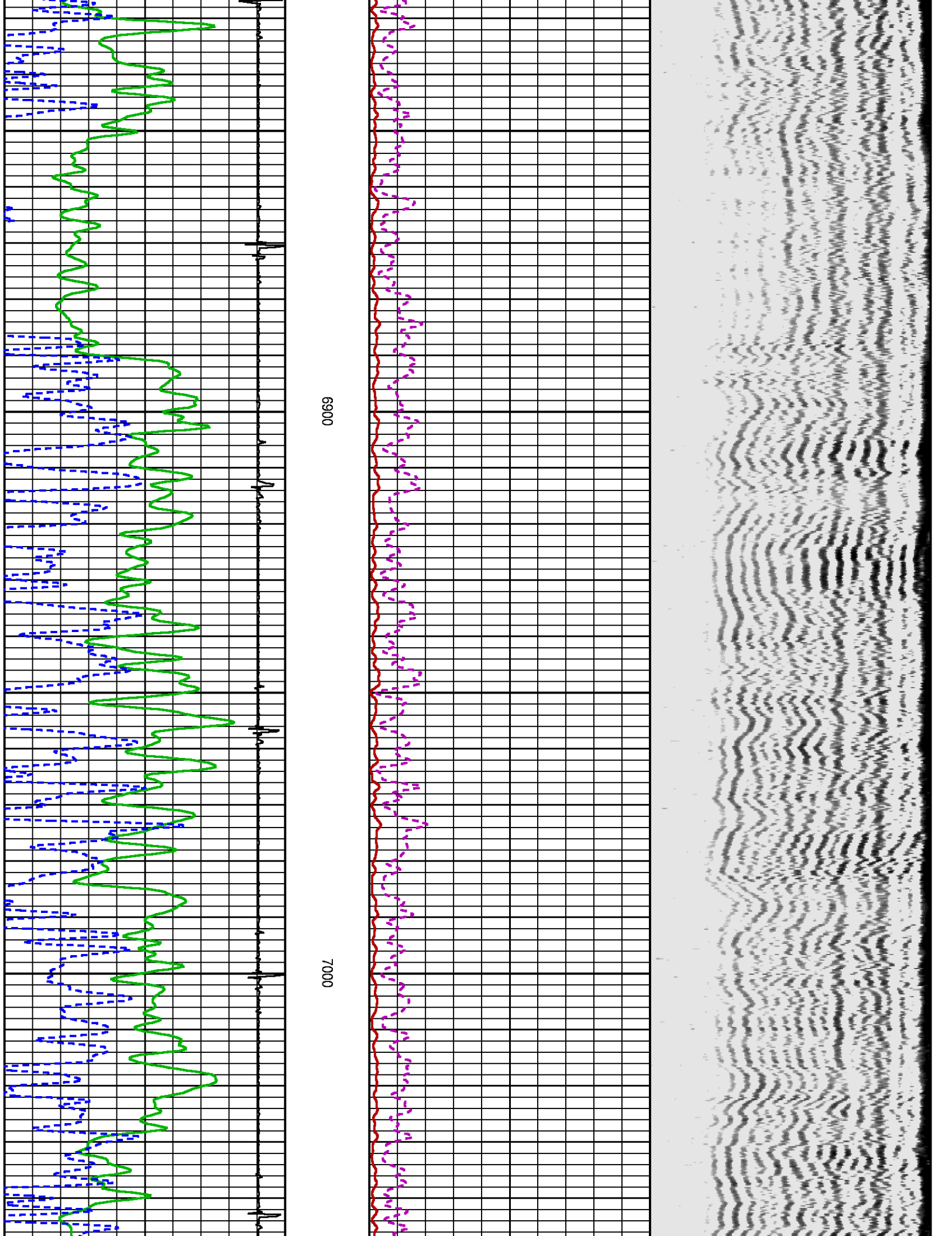


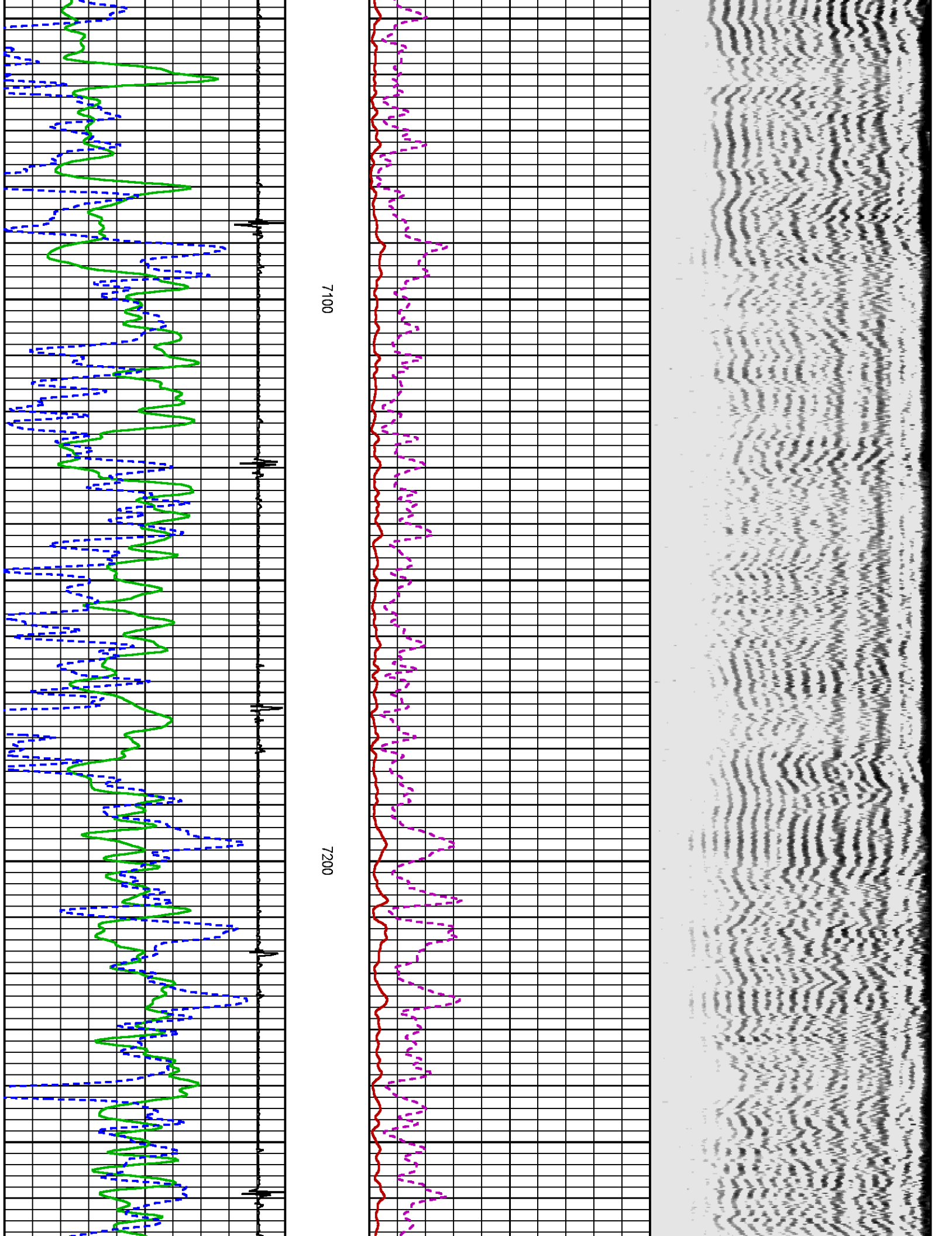
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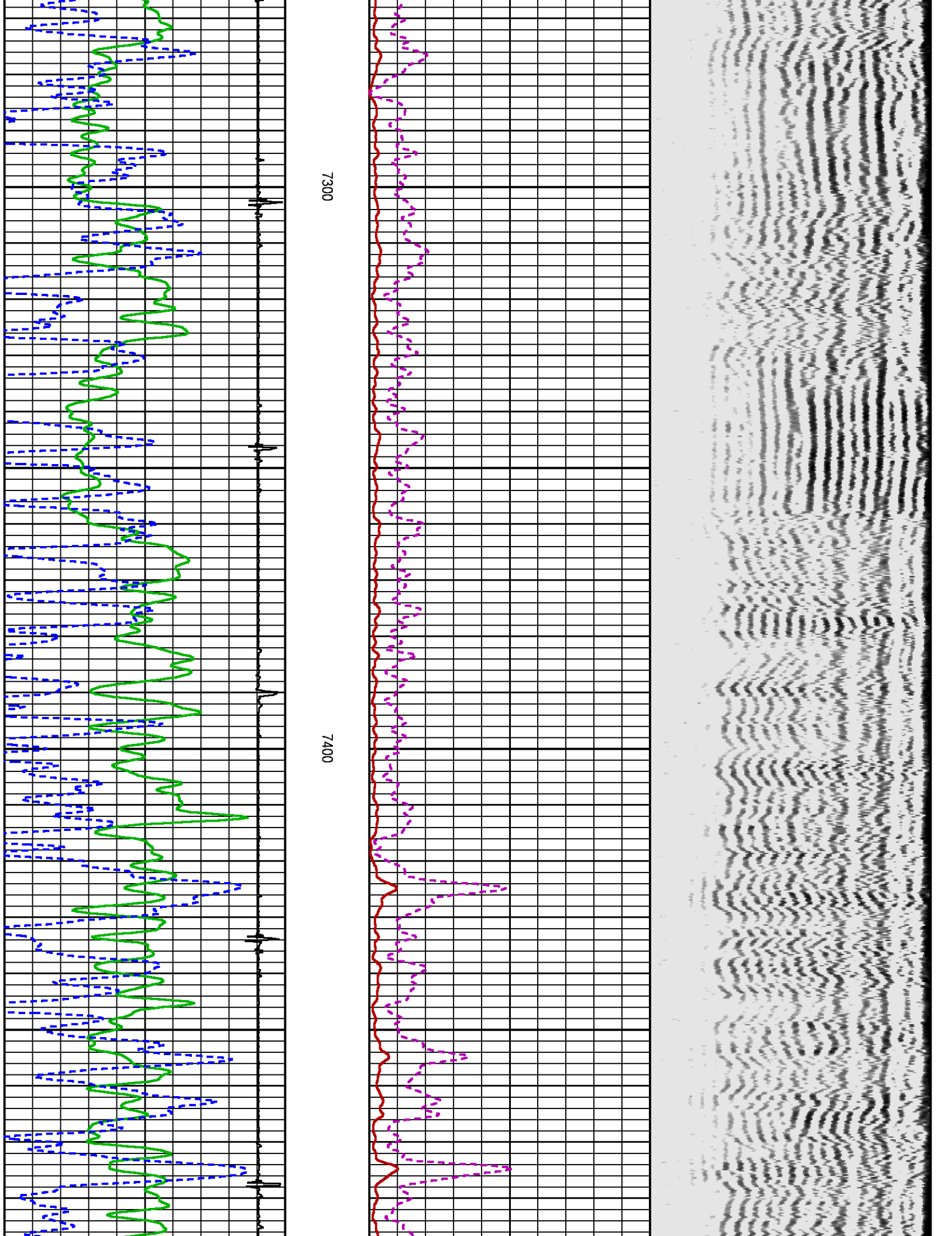
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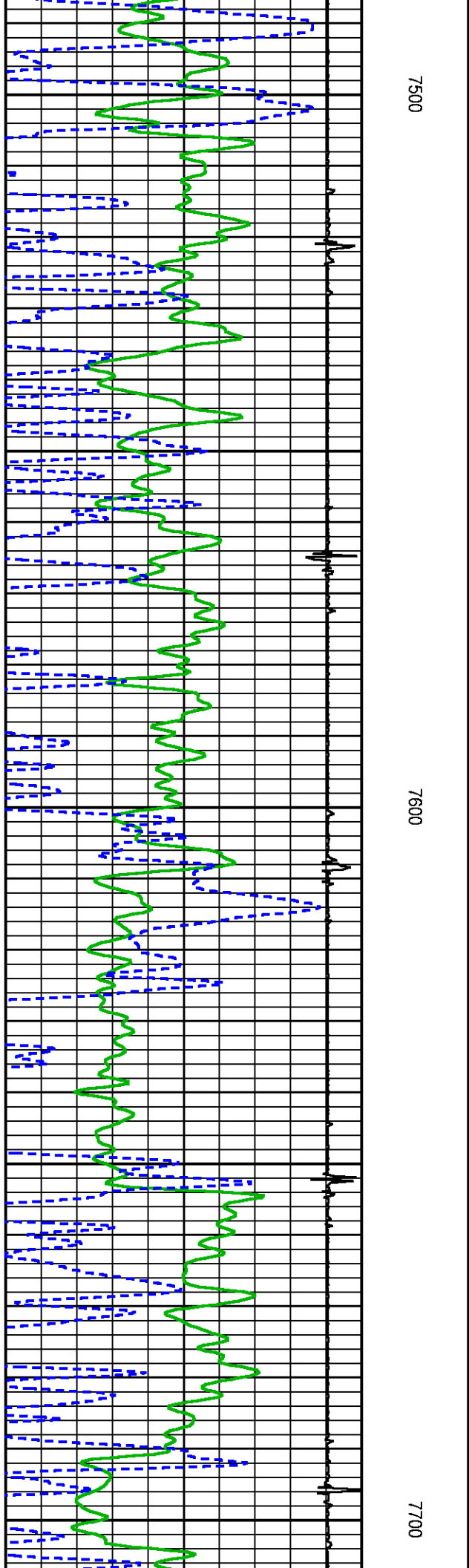
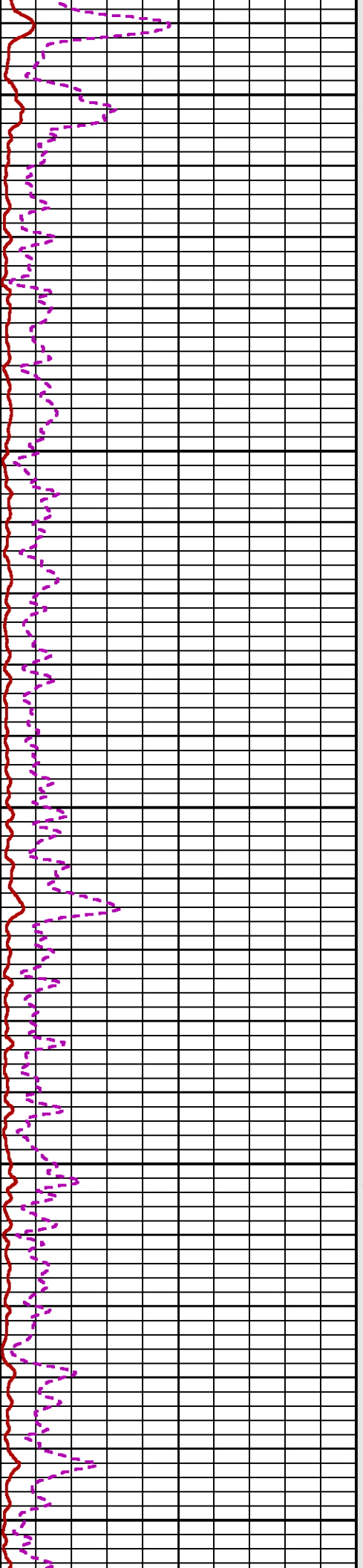
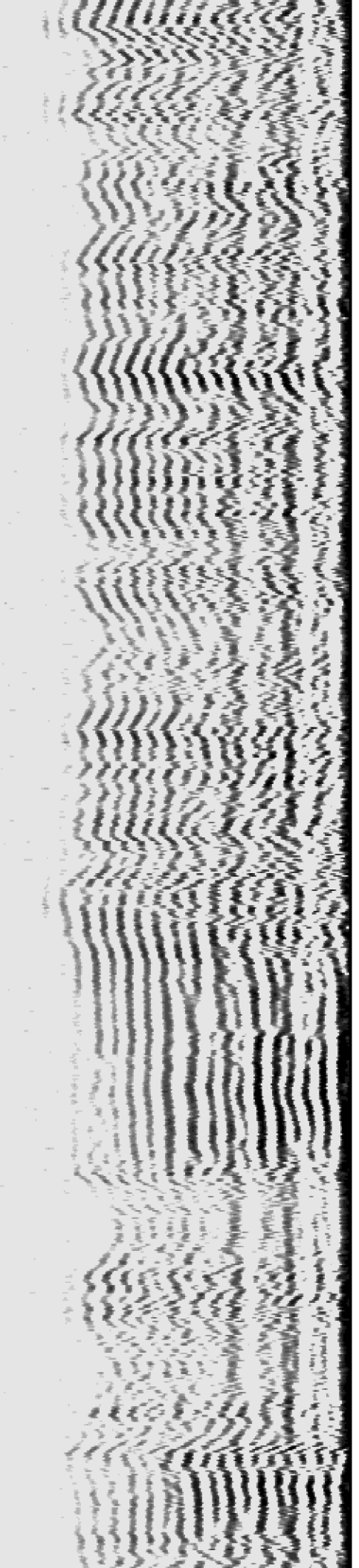
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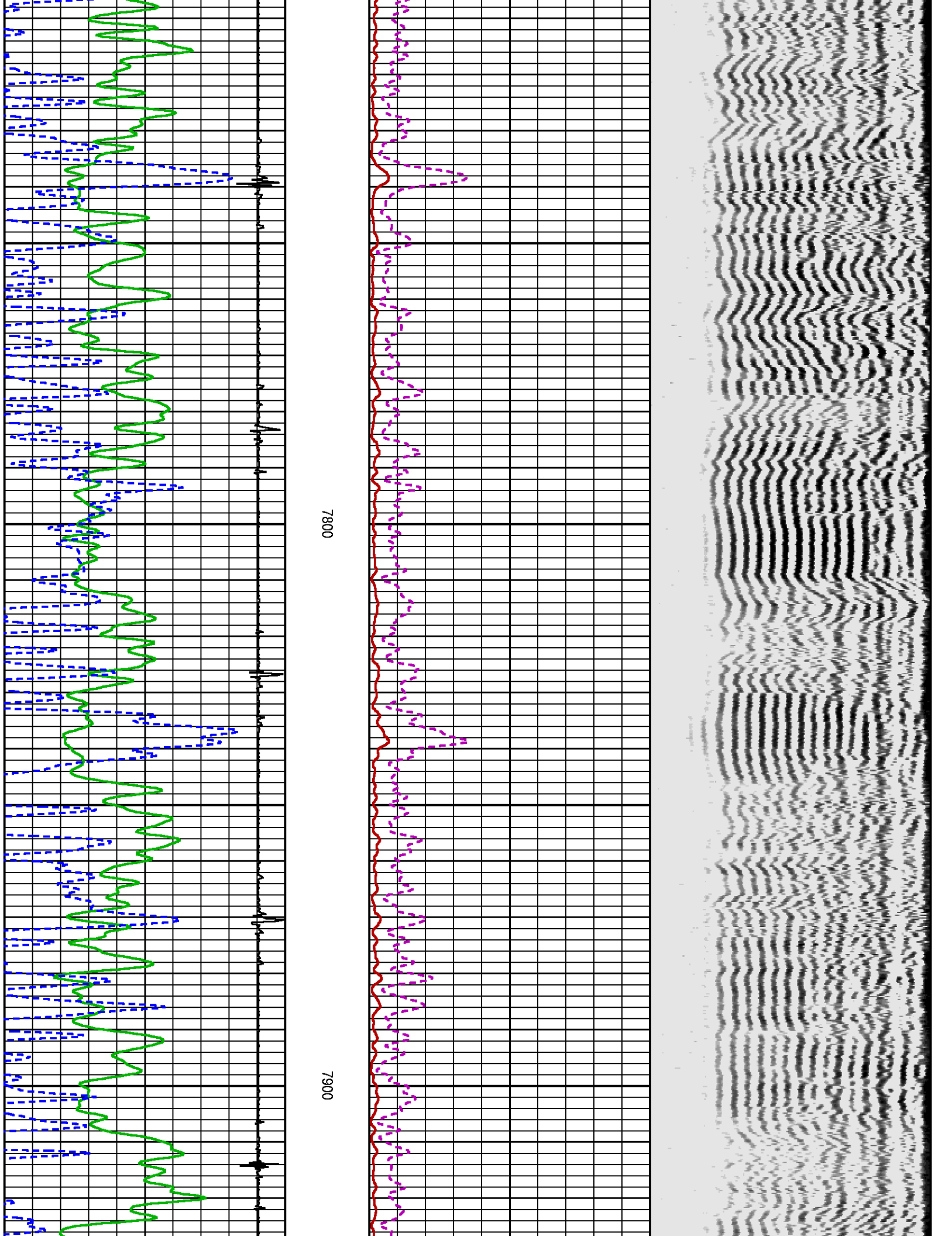


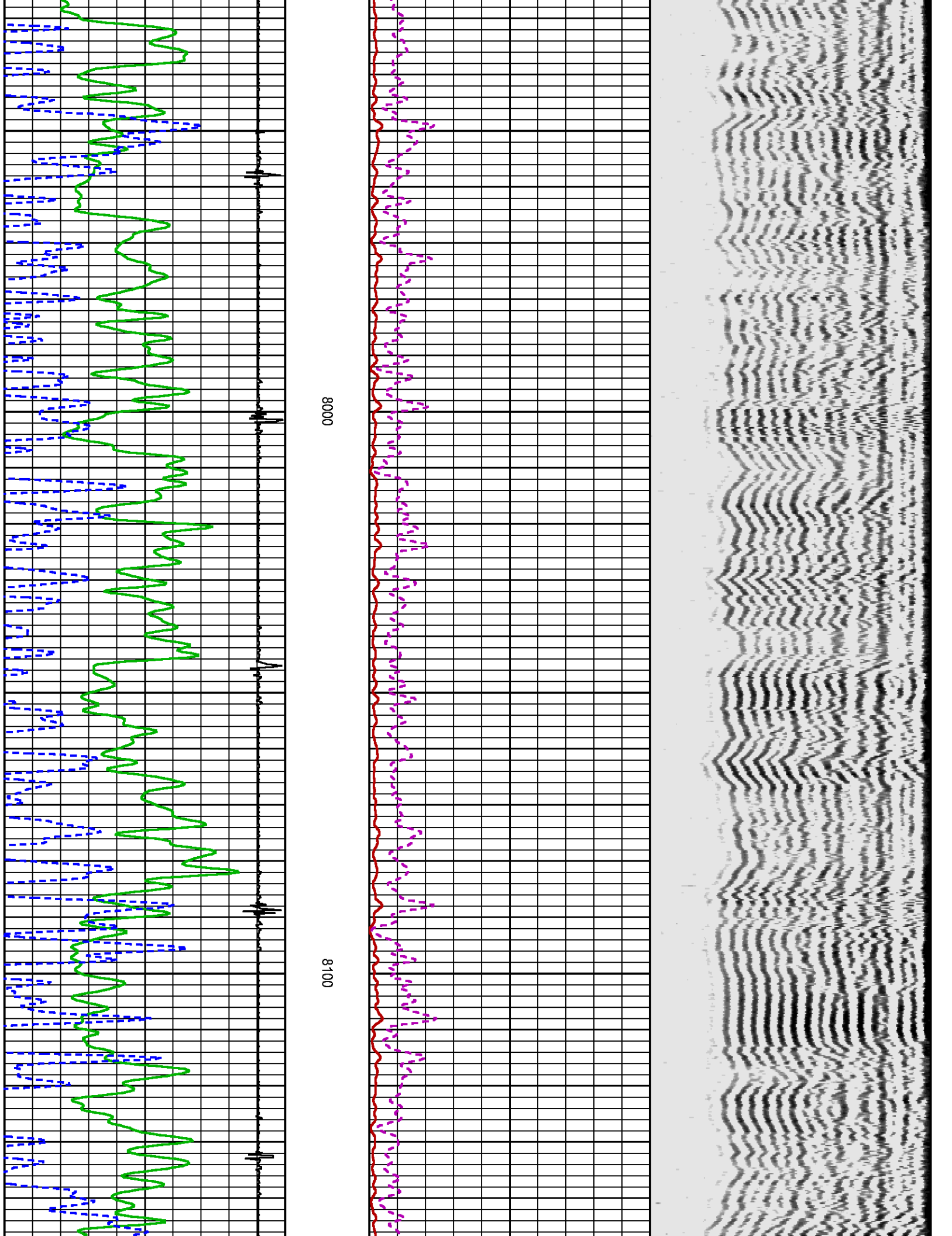


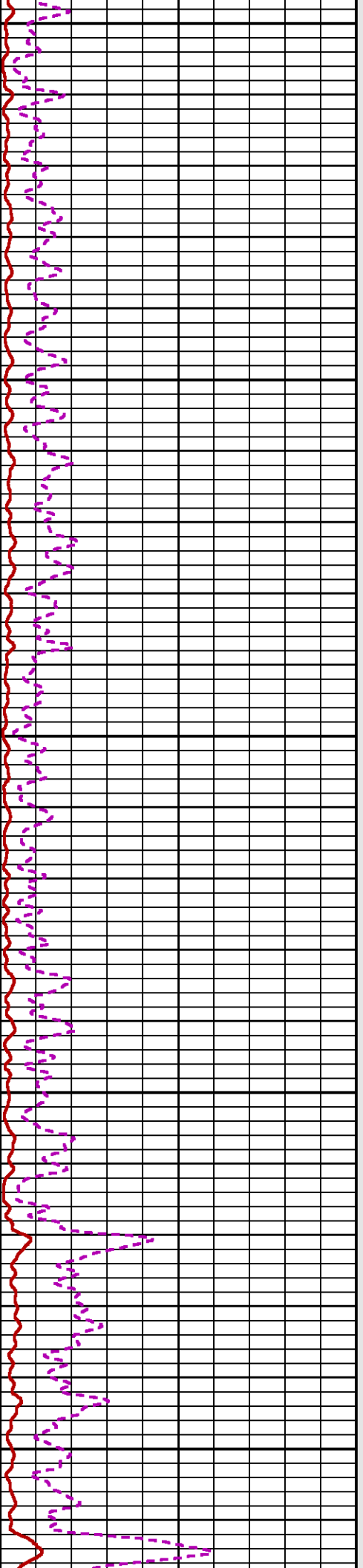
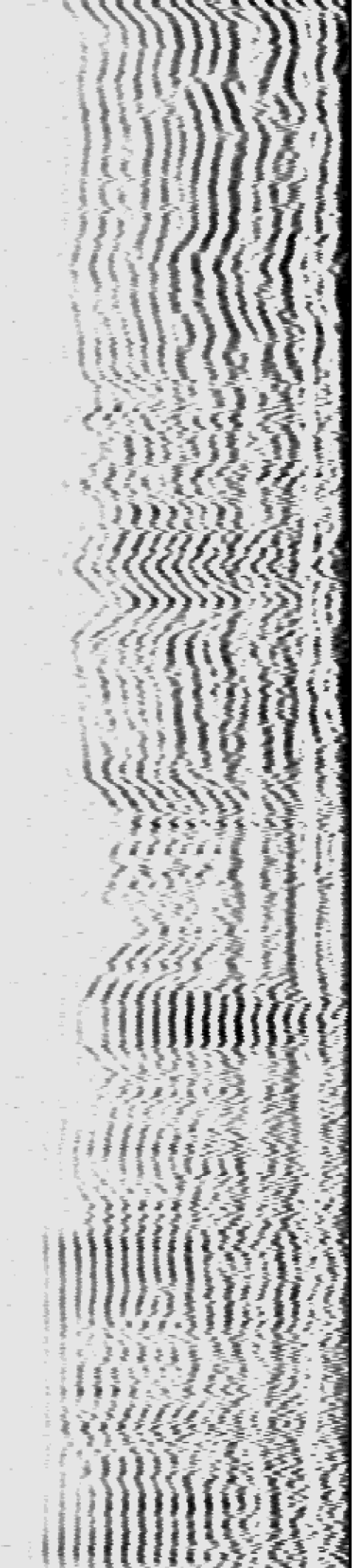






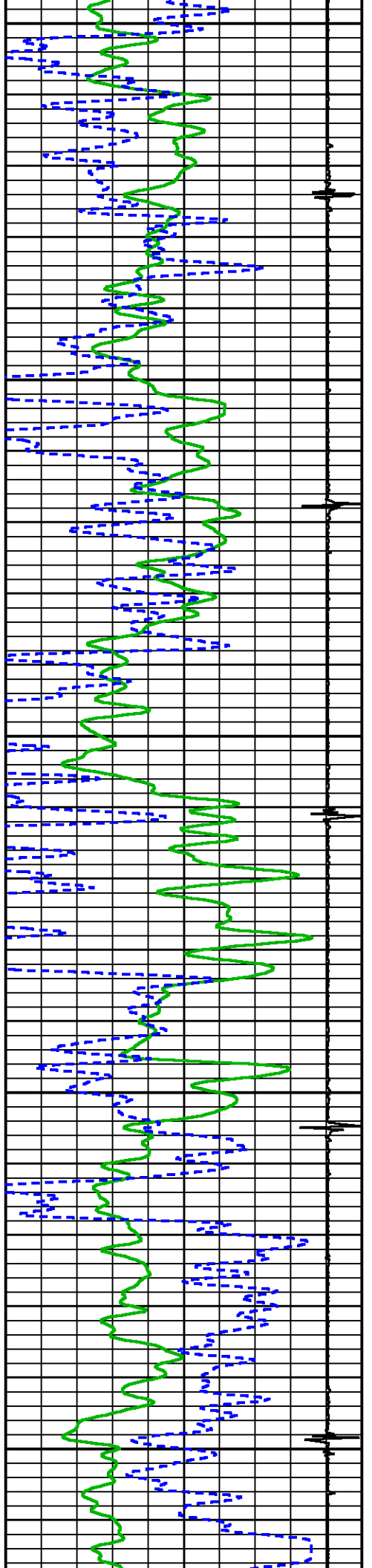


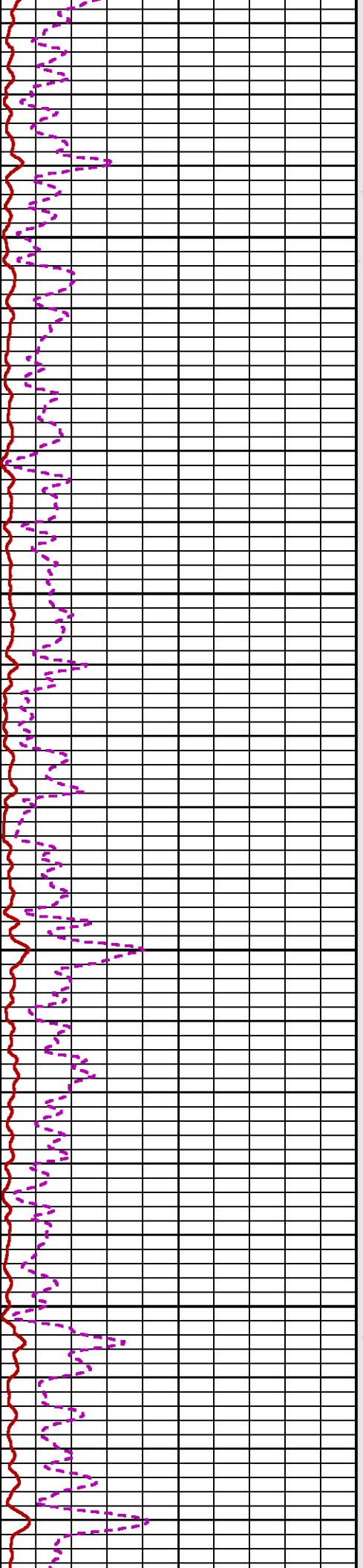
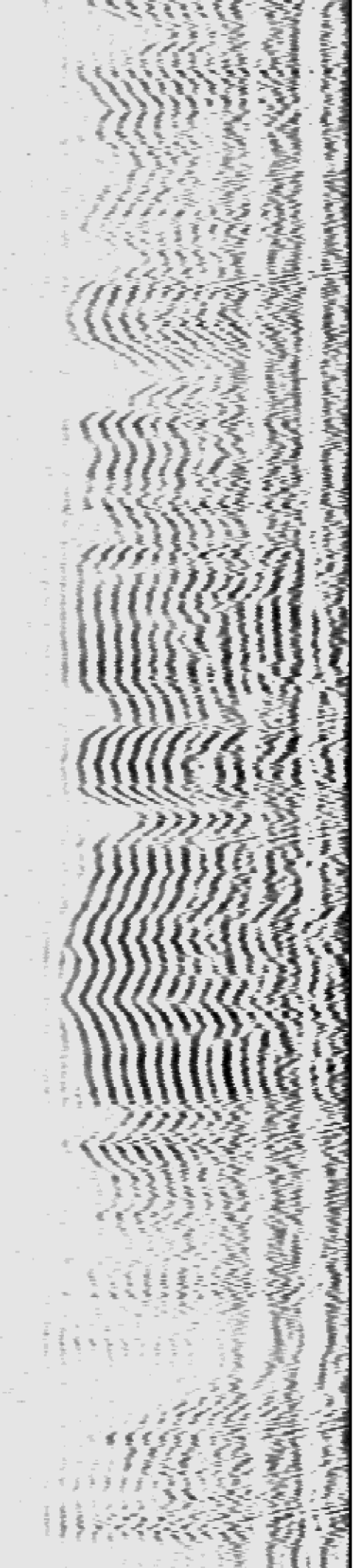




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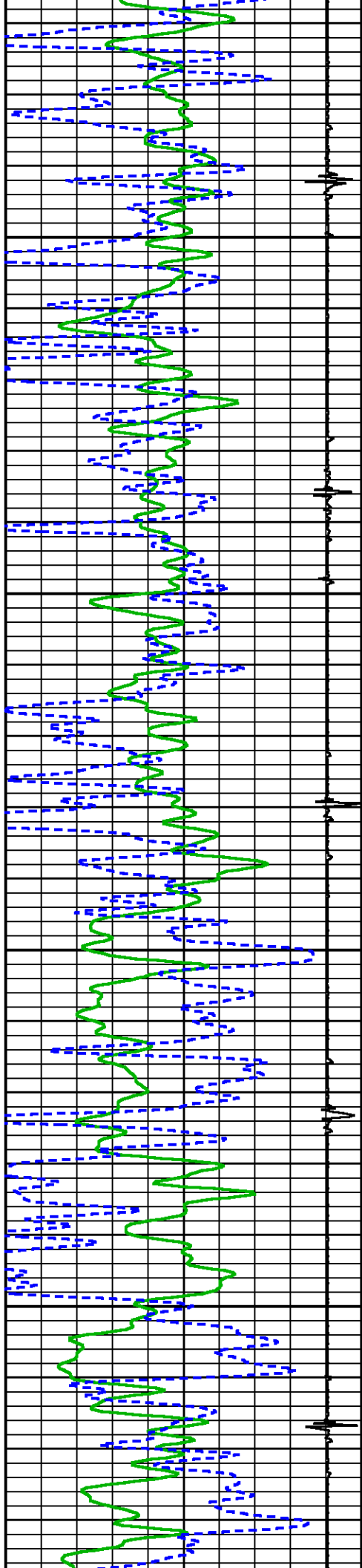
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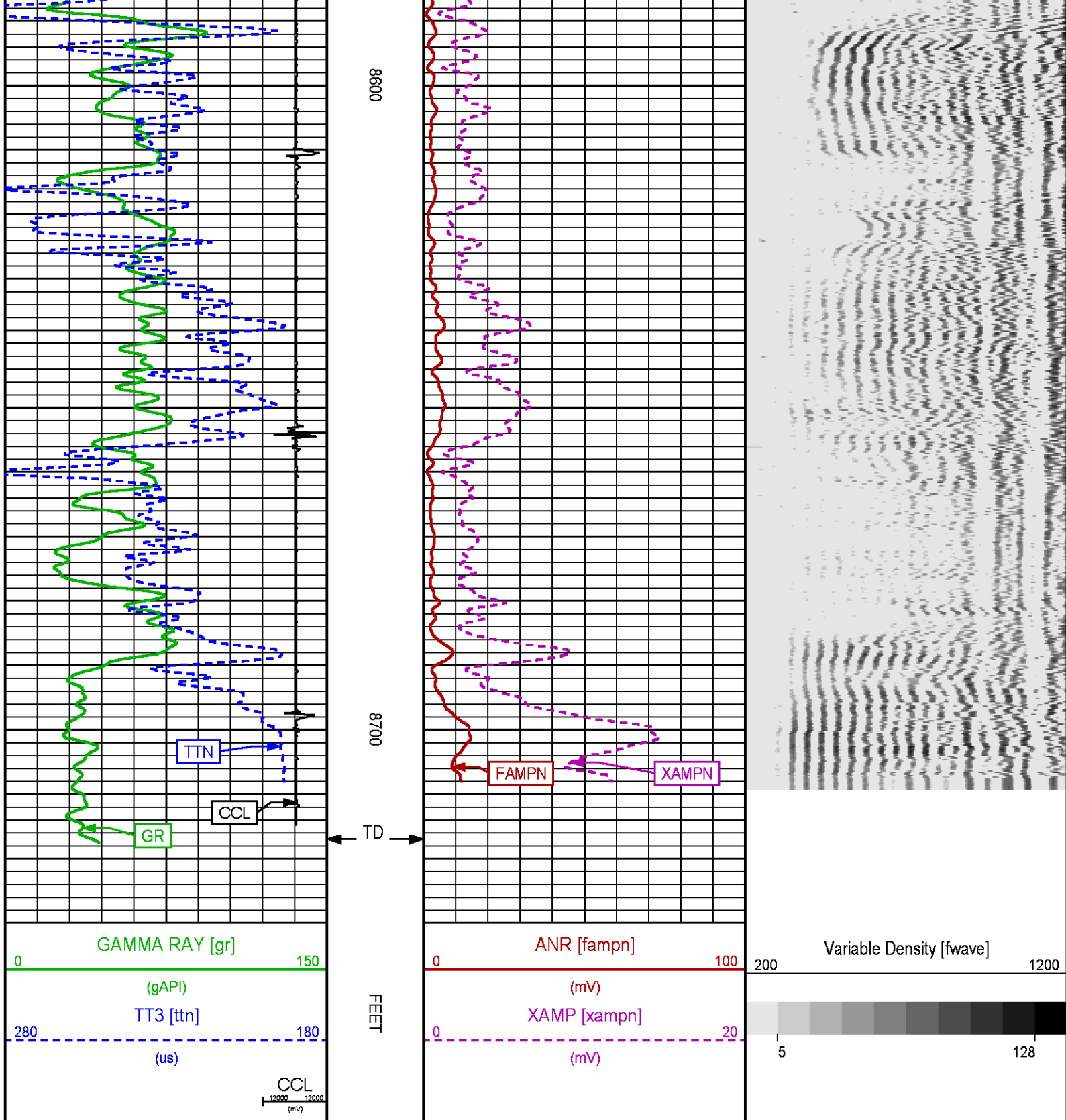




8400

8500





REPEAT PRESENTATION 0 PSI

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH43C2/n012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 8472.000 ft BOTTOM DEPTH: 8737.000 ft

SYMMETRIC FILTER				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
GR	FILTER ()	medium (1)		TOP BOTTOM
AMPLITUDE	FILTER ()	medium (1)		" "
TRAVEL TIME	FILTER ()	medium (1)		" "
TENSION	FILTER ()	medium (1)		" "

RAL CCL PROCESSING				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
CCL FLOOR	CCL FLOOR	0		TOP BOTTOM

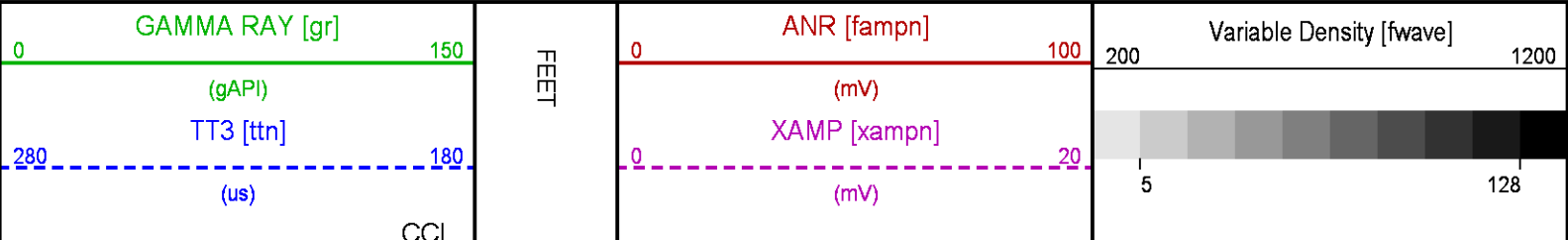
ANALOG RAL PROCESSING				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	187	us	TOP BOTTOM
	AMP WINDOW LENGTH	25	us	" "
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	176	us	" "
	TT WINDOW LENGTH	500	us	" "
	FIRST BRK THRESHOLD (ttn*)	4	mV	" "
RAL CASING PARAMETERS	PPT NEAR	200.391	us	" "
RAL TOOL DELAY	TOOL DELAY (strn*)	-71	us	" "
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	" "
	NOISE WINDOW LENGTH	25	us	" "

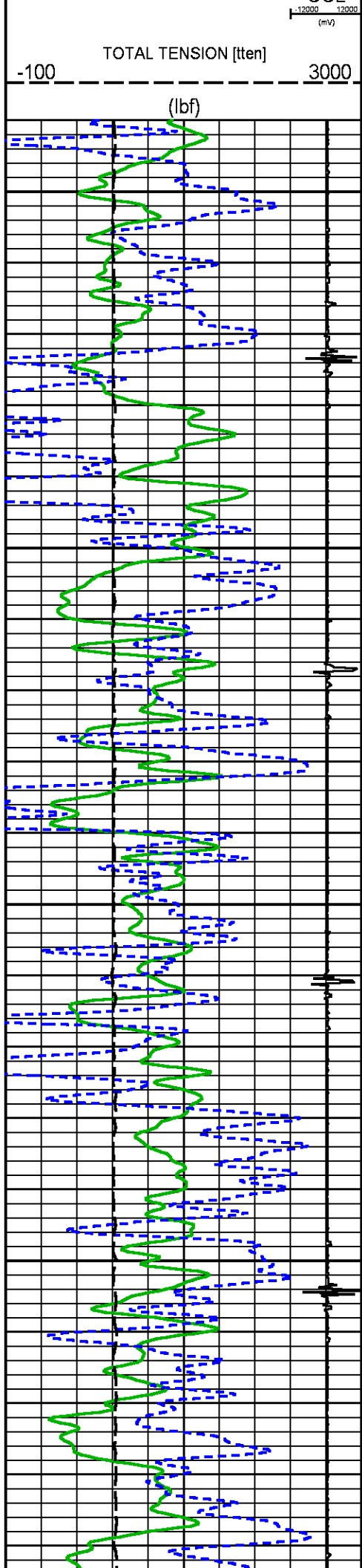
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Feb 29 08:42:49 2016	CASING COLLAR LOCATOR
F1:FAMPN	Feb 29 08:42:49 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Feb 29 08:42:49 2016	FAR WAVE FORM
F1:GR	Feb 29 08:42:49 2016	GAMMA RAY
F1:TTEN	Feb 29 08:42:49 2016	TOTAL TENSION
F1:TTN	Feb 29 08:42:49 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Feb 29 08:42:49 2016	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	TTN	11.25		
FAMPN	11.25	TTEN	0.00	XAMPN	11.25		

Presentation : cpu100:/dat1a/CH43C2/43C_CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 8490 - 8730 Feet

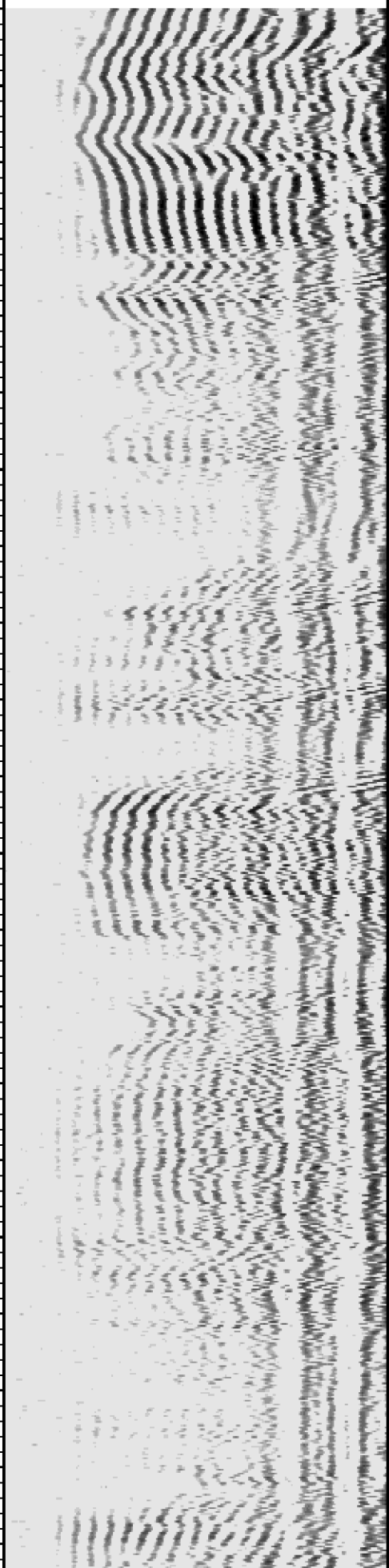
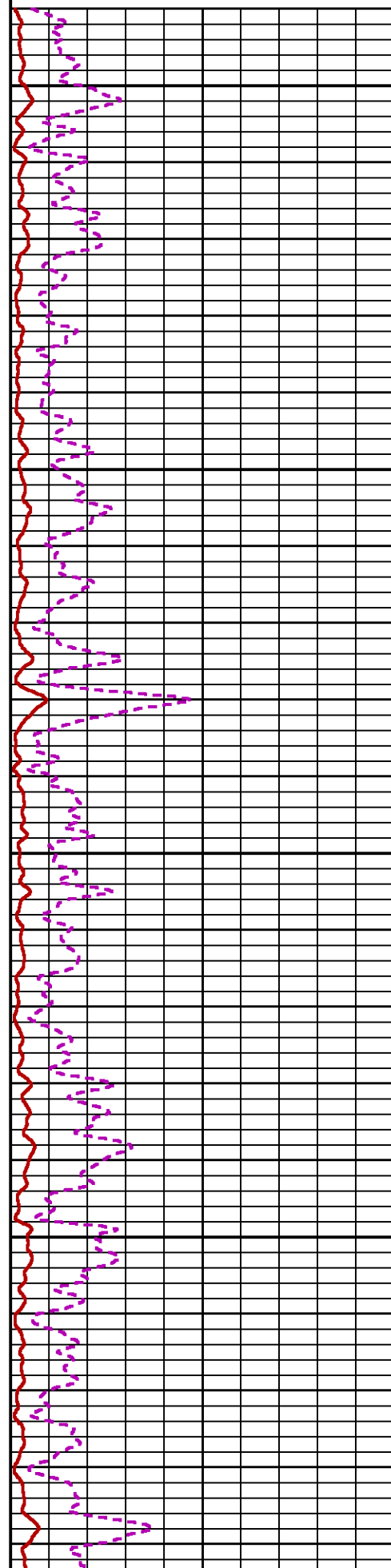
Data File 1 : F1 : cpu100:/dat1a/CH43C2/43C_CBL_REPEAT.xtf
Created On : Feb 29 08:42:49 2016
Company : CAERUS OPERATING LLC
Well : PUCKETT 43C-2
Field : GRAND VALLEY
File Interval : 8460.25 - 8737 Feet
OCT : n012g

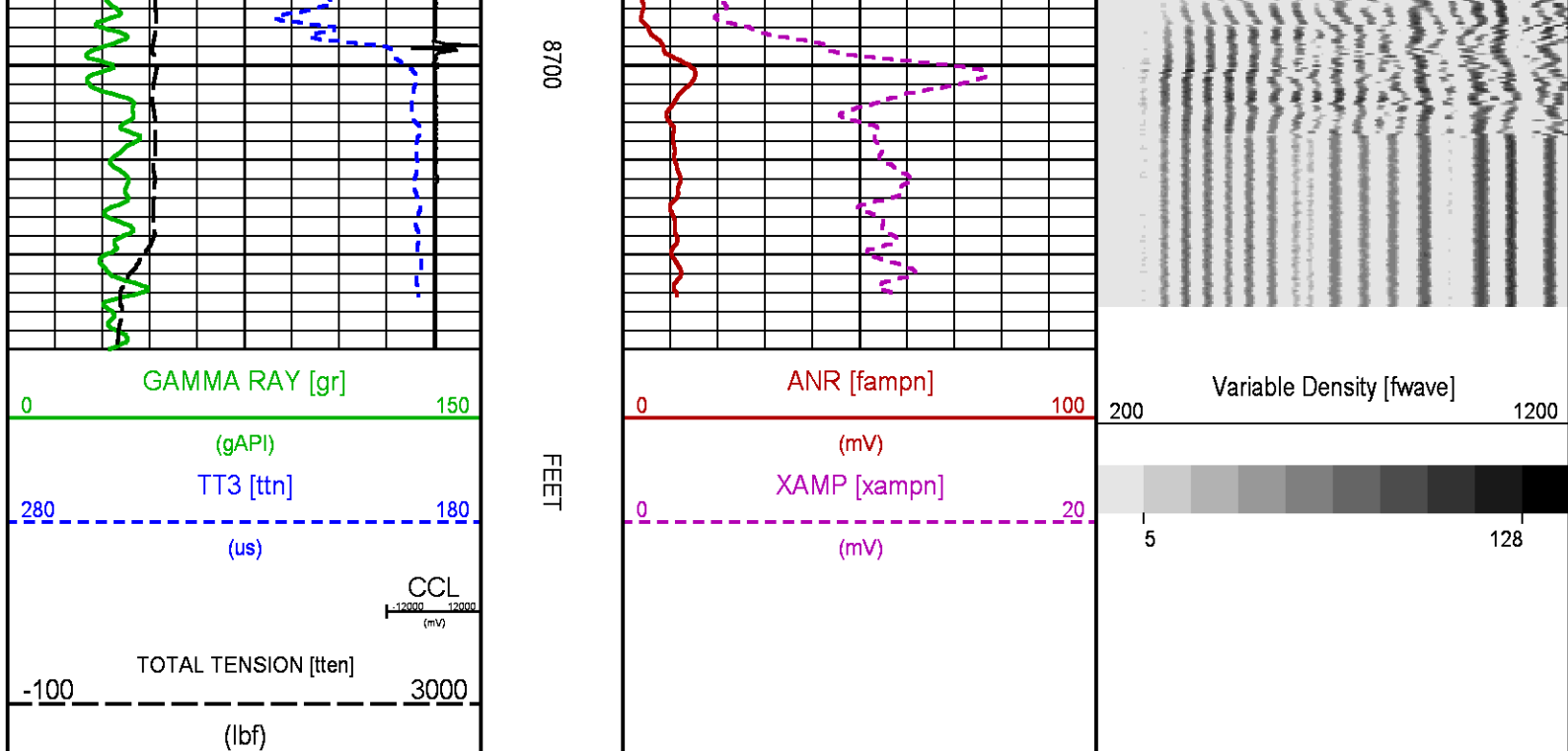




8500

8600





CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH43C2/m012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10124106

DATE/TIME PERFORMED: Mon Feb 29 08:05:30 2016

UNIT #: 3880TA HL6670

	NEAR (mV)	RADIAL (mV)	FAR (mV)
TARGETS	100.00	100.00	150.00

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	1.99	2.61	2.20	2.44	2.40	2.56	2.46	2.31	2.48	5.20	-0.09
AMP FLUID (mV)	81	81	82	82	82	80	79	79	79	109	85
TT (us)	217	217	216	216	217	217	217	217	218	324	217
M FACTOR	1.26	1.27	1.25	1.26	1.25	1.29	1.31	1.31	1.30	1.44	1.17

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10124106

DATE/TIME PERFORMED: Mon Feb 29 08:15:09 2016

DAYS SINCE CAL: 0

UNIT #: 3880TA HL6670

CABLE #: 6670SM SMALL1

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	1.24	0.50	0.33	0.16	0.10	0.15	0.04	0.02	0.43	1.40	0.21
AMP AIR	-0.02	-0.02	0.34	1.50	1.82	1.57	0.72	1.17	1.03	0.53	98.97

SHOP SHOP WIRELINE

M FACTOR	A FACTOR	FACTOR
1.17	0.00	1.01

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 11871506 DATE/TIME PERFORMED: Mon Feb 29 08:10:02 2016
 UNIT #: 3880TA HL6670 CALB JIG #: 4702NK WA-612

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	47.51	208.62	161.1	0.931	44.23	194.23	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 11871506 DATE/TIME PERFORMED: Mon Feb 29 08:11:15 2016
 UNIT #: 3880TA HL6670 VERI JIG #: 4702NK WA-612

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	49.20	210.93	0.931	45.81	196.39	150.58
						140.00 160.00

TEMP PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 11871506 DATE/TIME PERFORMED: Sun Nov 15 14:02:37 2015
 UNIT #: 3880TA HL6670

	T(0)	T(1)	T(2)	T(3)
Corr Coeff for Temp	0.000000E+00	1.000000E-01	0.000000E+00	0.000000E+00

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH43C2/CBL-tdg

A3 CABLEHEAD

RADIAL BOND TOOL

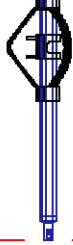
Diameter : 2.75"
 Length : 11.17'
 Weight : 126 lbs
 Series : 1426XA
 Mnemonic : RAL
 Measure Point: 4.21': NEAR RCVR
 Measure Point: 3.25': FAR RCVR



18.85'
 NEAR RCVR 11.17'
 FAR RCVR 10.21'

RAL GR/TEMP/CCL/CHV DETECTOR

Diameter : 2.75"
 Length : 6.96'
 Weight : 85 lbs
 Series : 1355XA
 Mnemonic : RAL
 Measure Point: 5.79': CCL
 Measure Point: 1.67': GR
 Measure Point: 0.17': TEMP




CCL 5.79'

GR 1.67'

TEMP 0.17'

TOTAL LENGTH: 18.85'
 TOTAL WEIGHT: 227 lbs
 MAX DIAMETER: 0'4.00"

	COMPANY <u>CAERUS OPERATING LLC</u> WELL <u>PUCKETT 43C-2</u> FIELD <u>GRAND VALLEY</u> COUNTY <u>GARFIELD</u> STATE <u>COLORADO</u>		FILE NO: <u>CH105889</u> API NO: <u>05045177870000</u>
	LOCATION: SHL: 317' FEL & 1093' FSL, 2 7S 97W BHL: 1154' FEL & 1795' FSL, 2 7S 97W		ELEVATIONS: KB 8453.8 FT DF GL 8423.8 FT
	SEC <u>2</u> TWP <u>7S</u> RGE <u>97W</u>		DATE <u>29-Feb-2016</u>