



FILE NO: CH105967	COMPANY CAERUS OPERATING LLC
API NO: 05045226150000	WELL PUCKETT 13D-1
	FIELD GRAND VALLEY
	COUNTY GARFIELD
	STATE COLORADO

Ver. 4.06	LOCATION:	OTHER SERVICES
SEC 1 T 7S R 97W	SHL: 313 FEEL & 1100' FSL, 2 7S 97W	RPM
PAD: MESA P2-797	BHL: 696 FEEL & 1501' FSL, 1 7S 97W	
RIG: H&P 330	SEC 1 TWP 7S RGE 97W	

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

DATE	01-Mar-2016	
RUN	1	TRIP
SERVICE ORDER	US105967	
DEPTH DRILLER	8868 FT	
DEPTH LOGGER	8657 FT	
BOTTOM LOGGED INTERVAL	8655 FT	
TOP LOGGED INTERVAL	2500 FT	
TIME STARTED	7:00	
TIME FINISHED	9:30	
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.	219 DEGF	
REFERENCE LOG	NA	
REFERENCE LOG DATE	NA	
EQUIP. NO.	HL-6670	LOCATION
RECORDED BY	T. NEWELL	GRAND JCT
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	8922 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 = 6787' - 6795'

BHT = 219 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: Tue Mar 1 09:22:05 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH105967/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 2478.750 ft BOTTOM DEPTH: 8664.750 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*)	186	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	177	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	Mar 1 07:46:25 2016	CASING COLLAR LOCATOR
F1:FAMPN	Mar 1 07:46:25 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Mar 1 07:46:25 2016	FAR WAVE FORM
F1:GR	Mar 1 07:46:25 2016	GAMMA RAY
F1:TTN	Mar 1 07:46:25 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Mar 1 07:46:25 2016	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

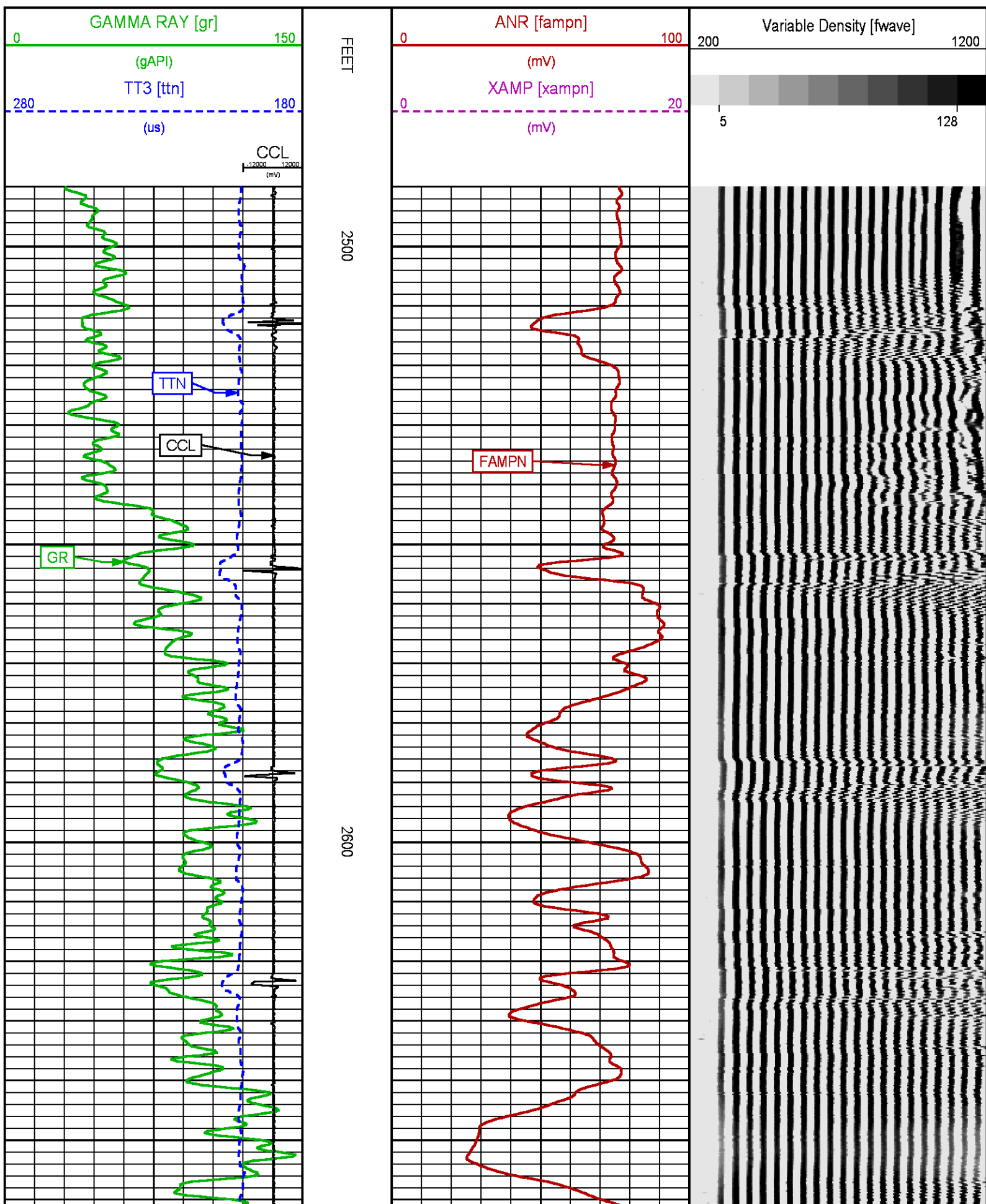
CURVE MEASURE POINT OFFSET

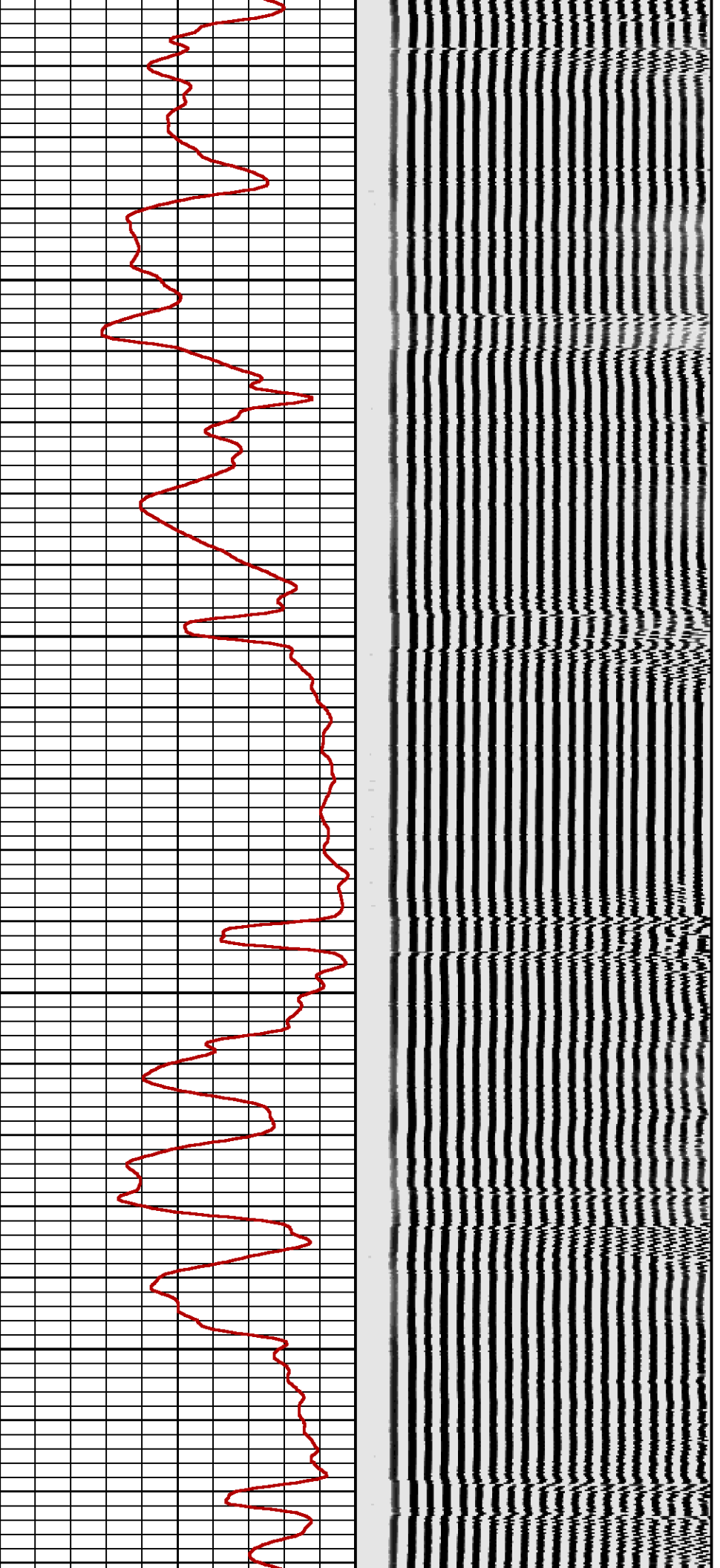
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

Presentation : cpu100:/dat1a/CH105967/13D1_CBL_MAIN.fvpdf [5"/100' Scale]
 Plot Interval : 2490 - 8670 Feet

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 Created On : Mar 1 07:46:25 2016

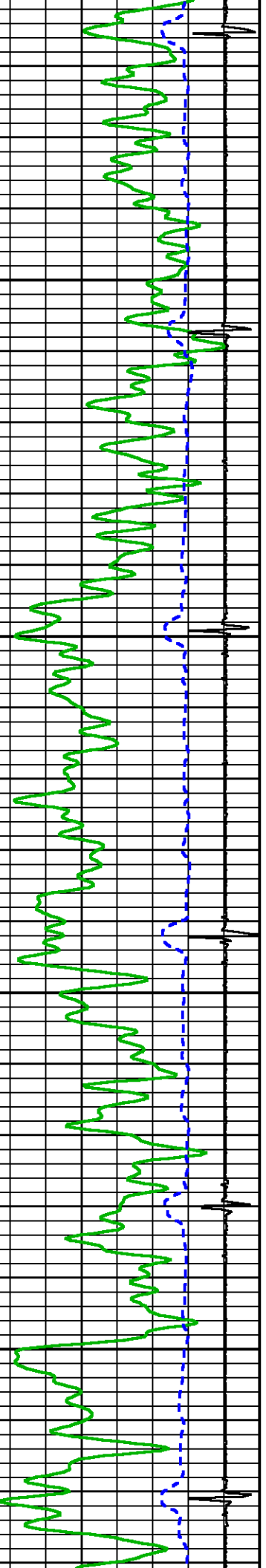
Created On : Mar 1 07:40:23 2010
Company : CAERUS OPERATING LLC
Well : PUCKETT 13D-1
Field : GRAND VALLEY
File Interval : 2467 - 8664.75 Feet
OCT : n012g

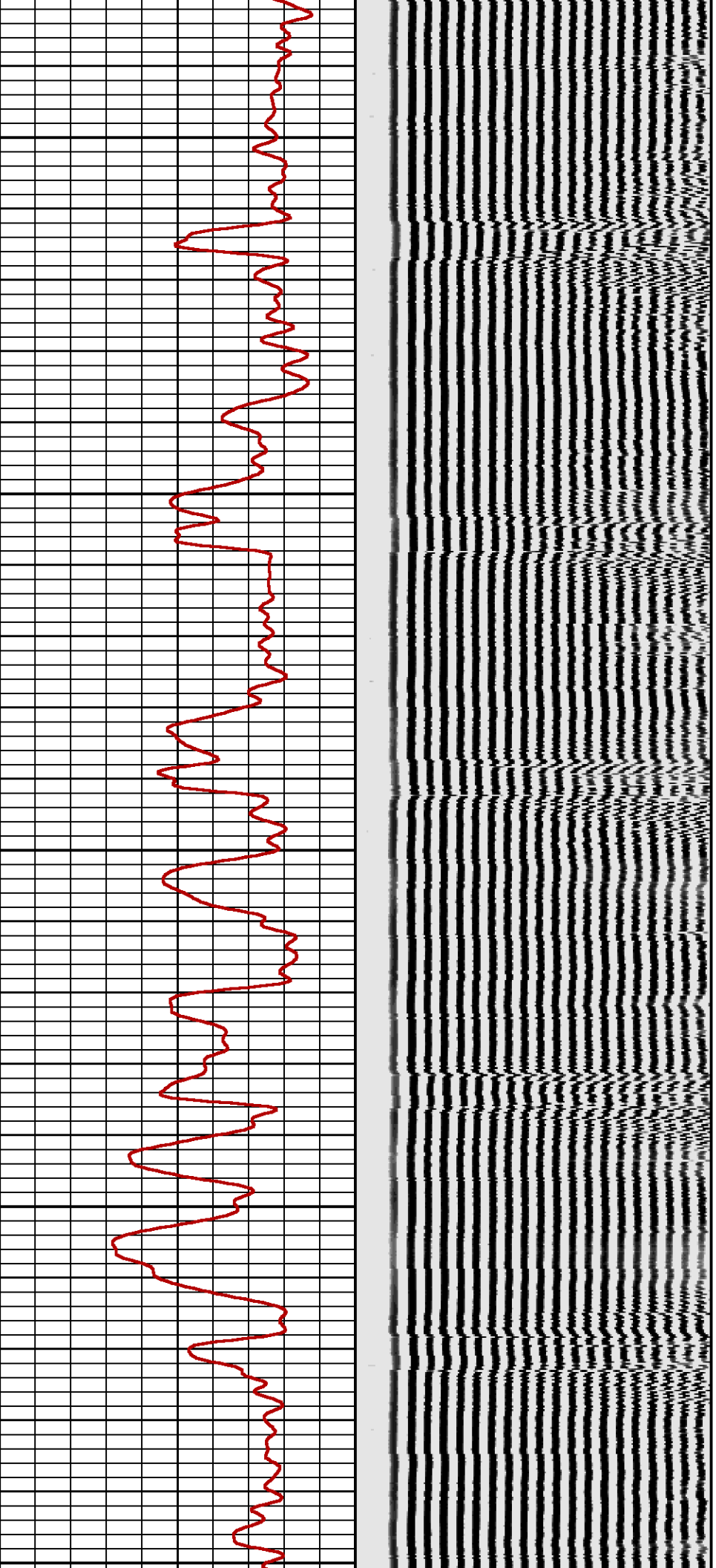




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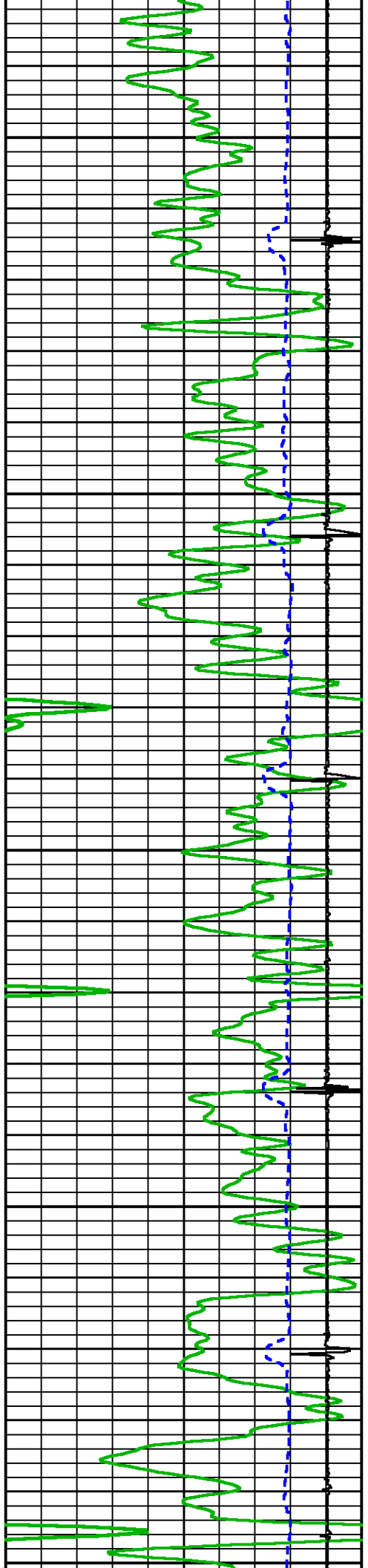


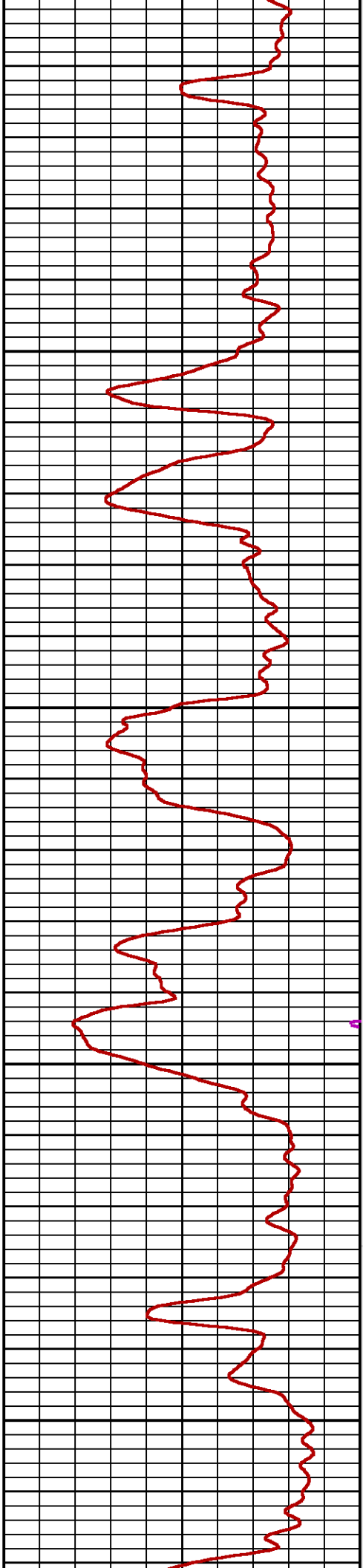


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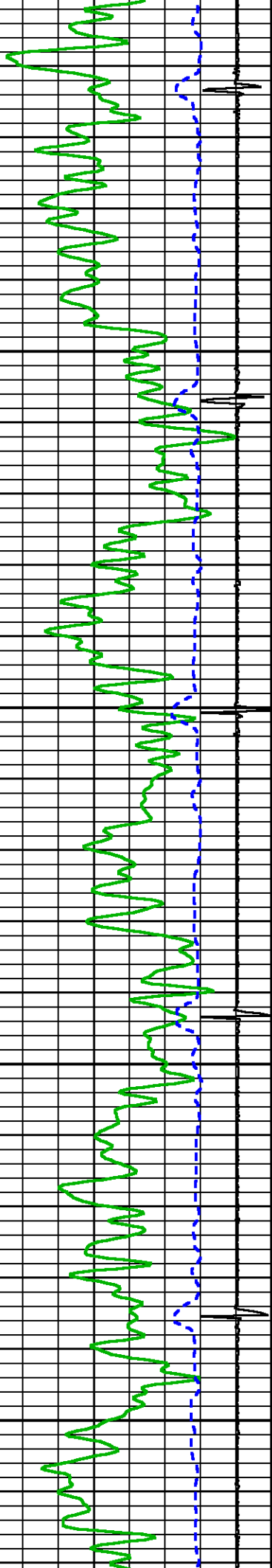
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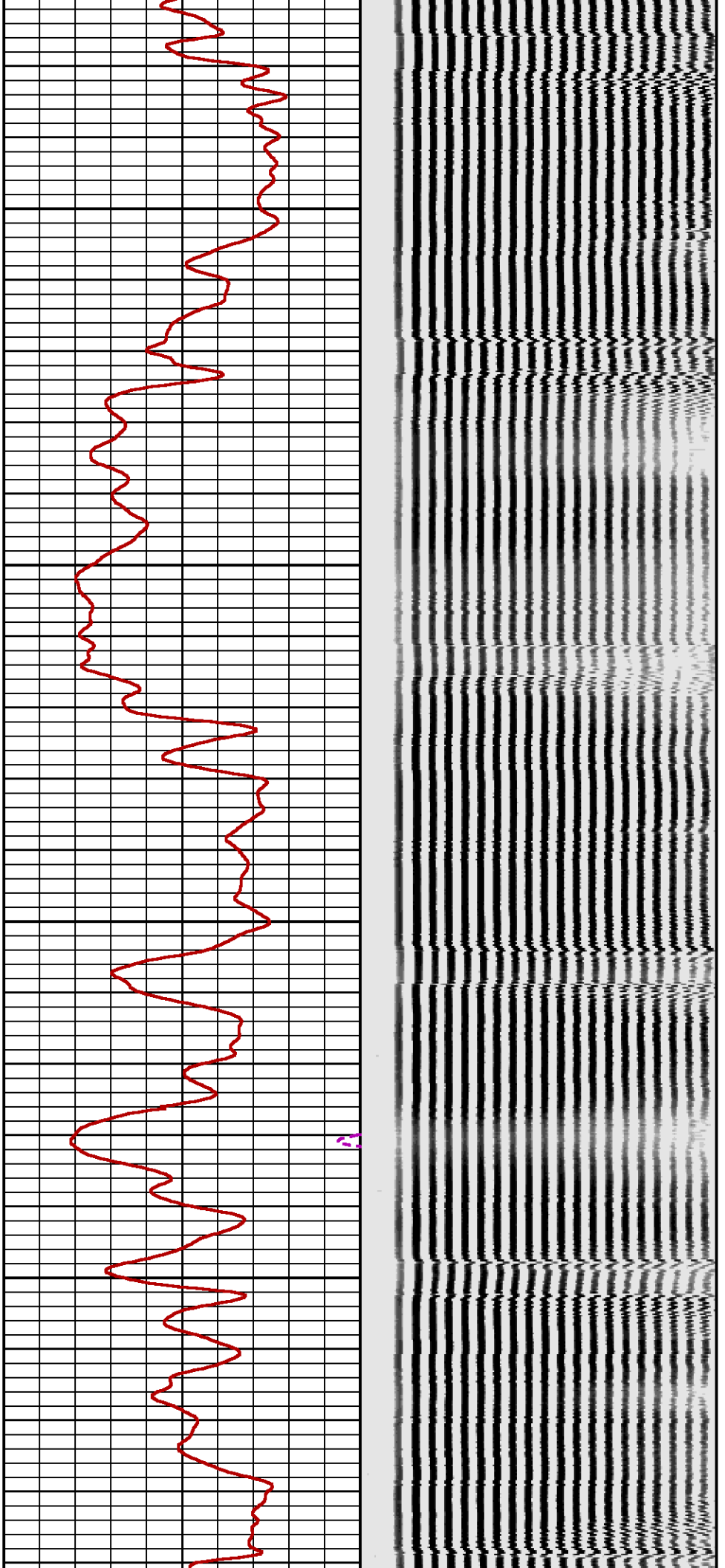
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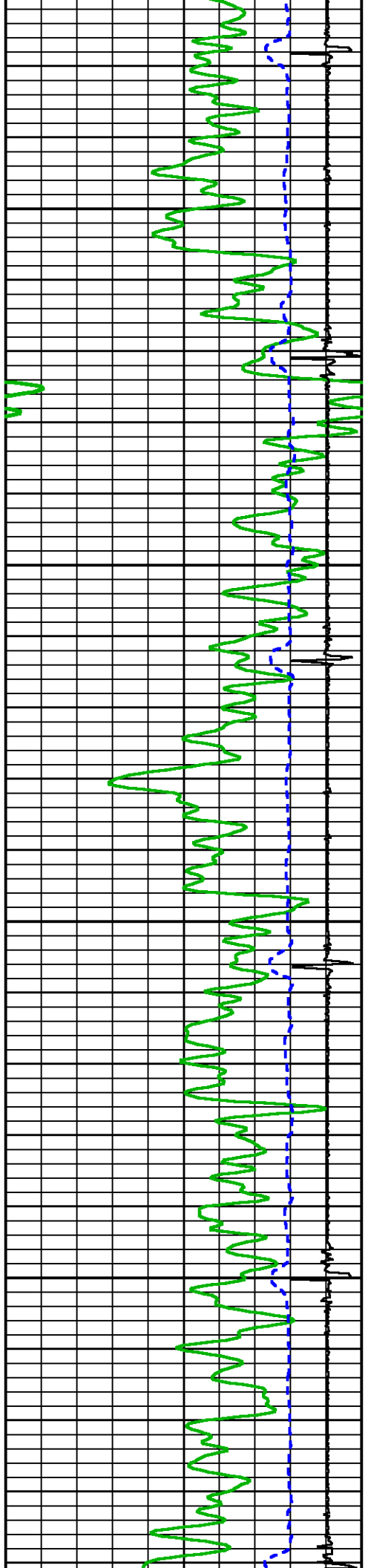
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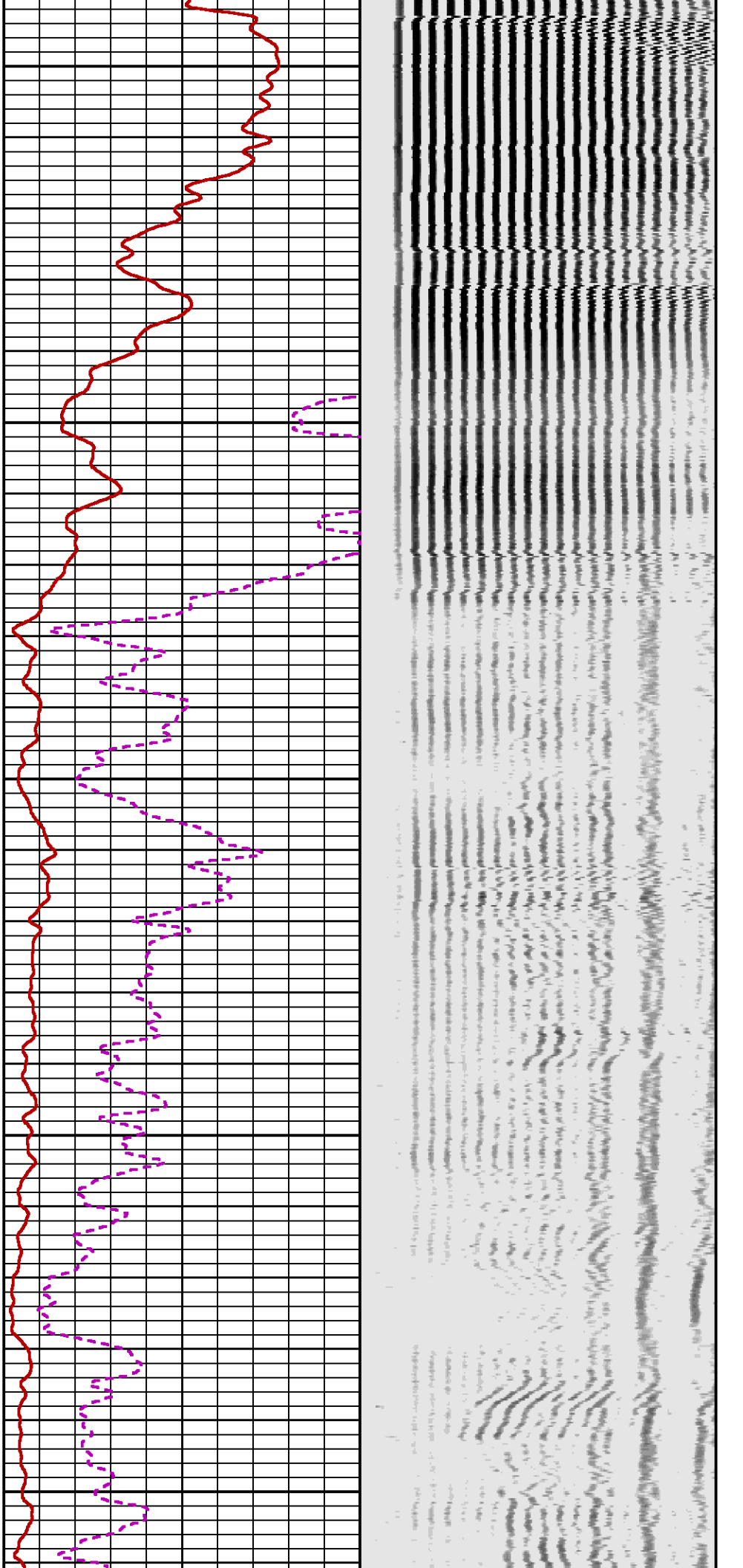




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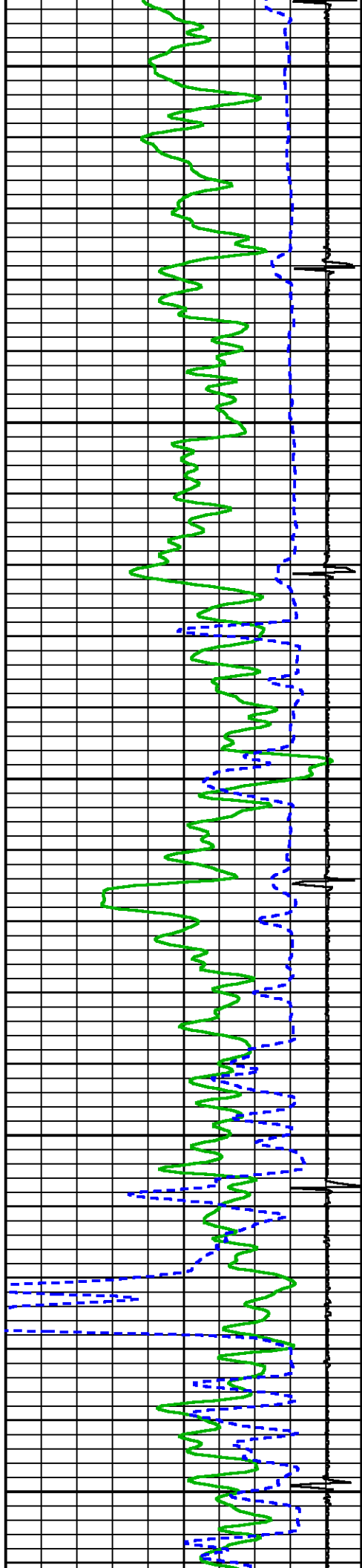
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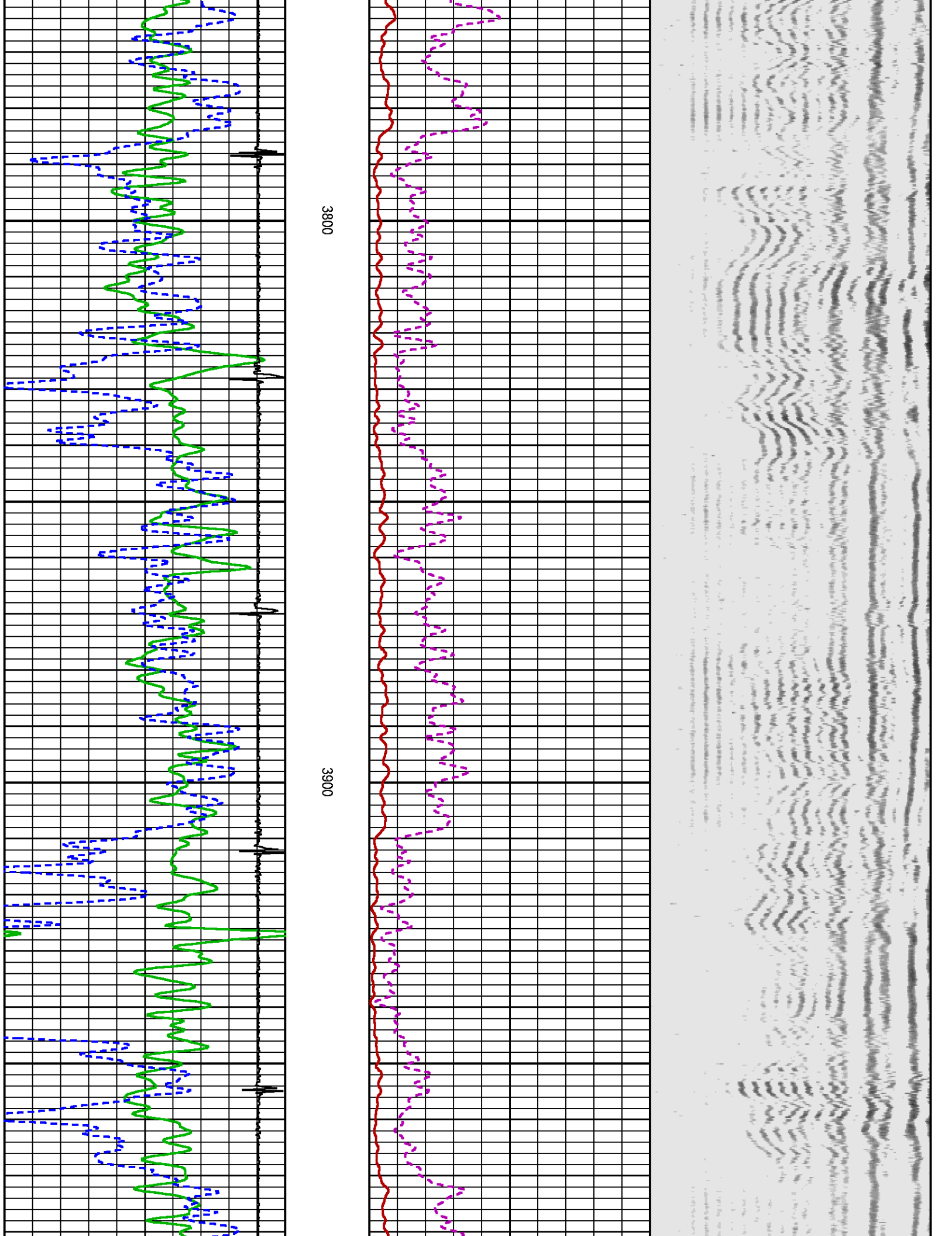


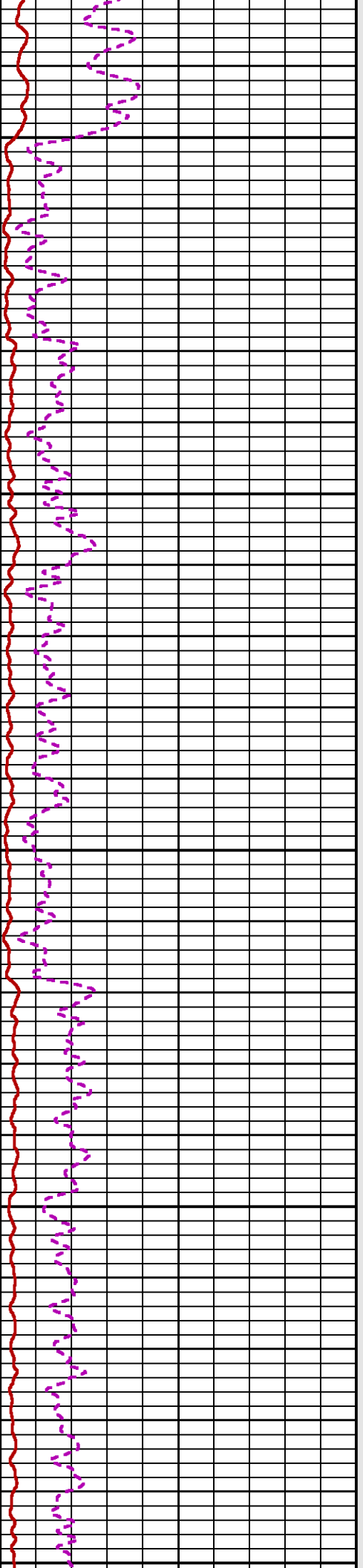
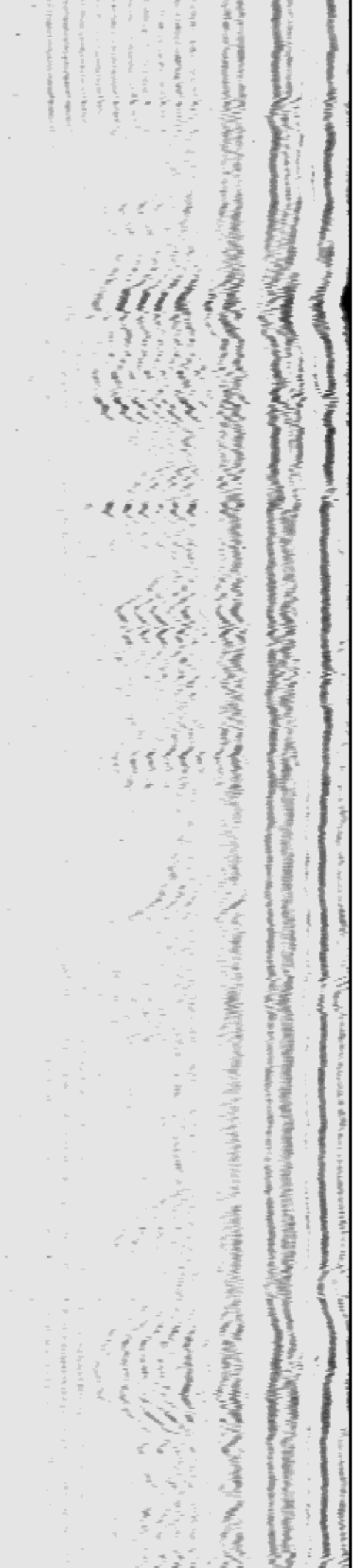


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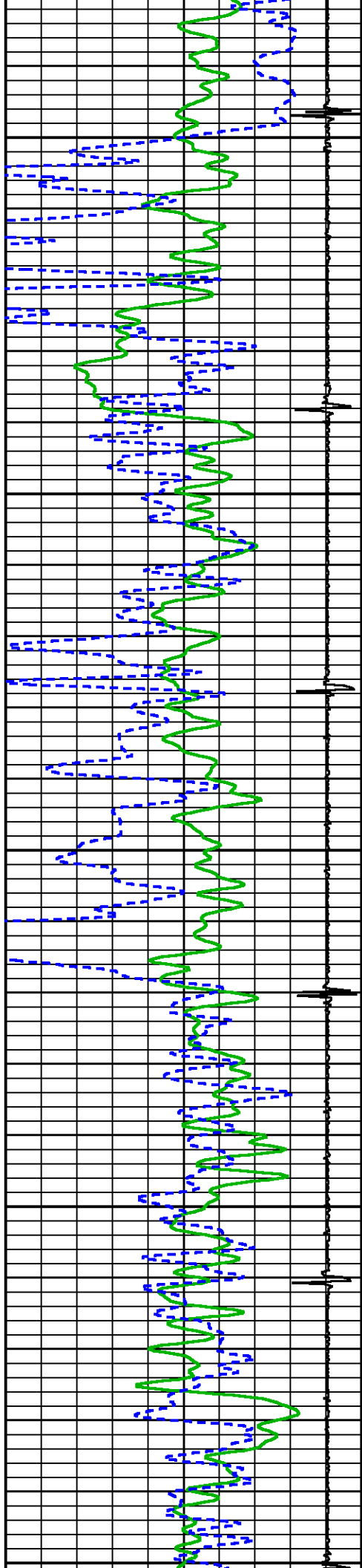


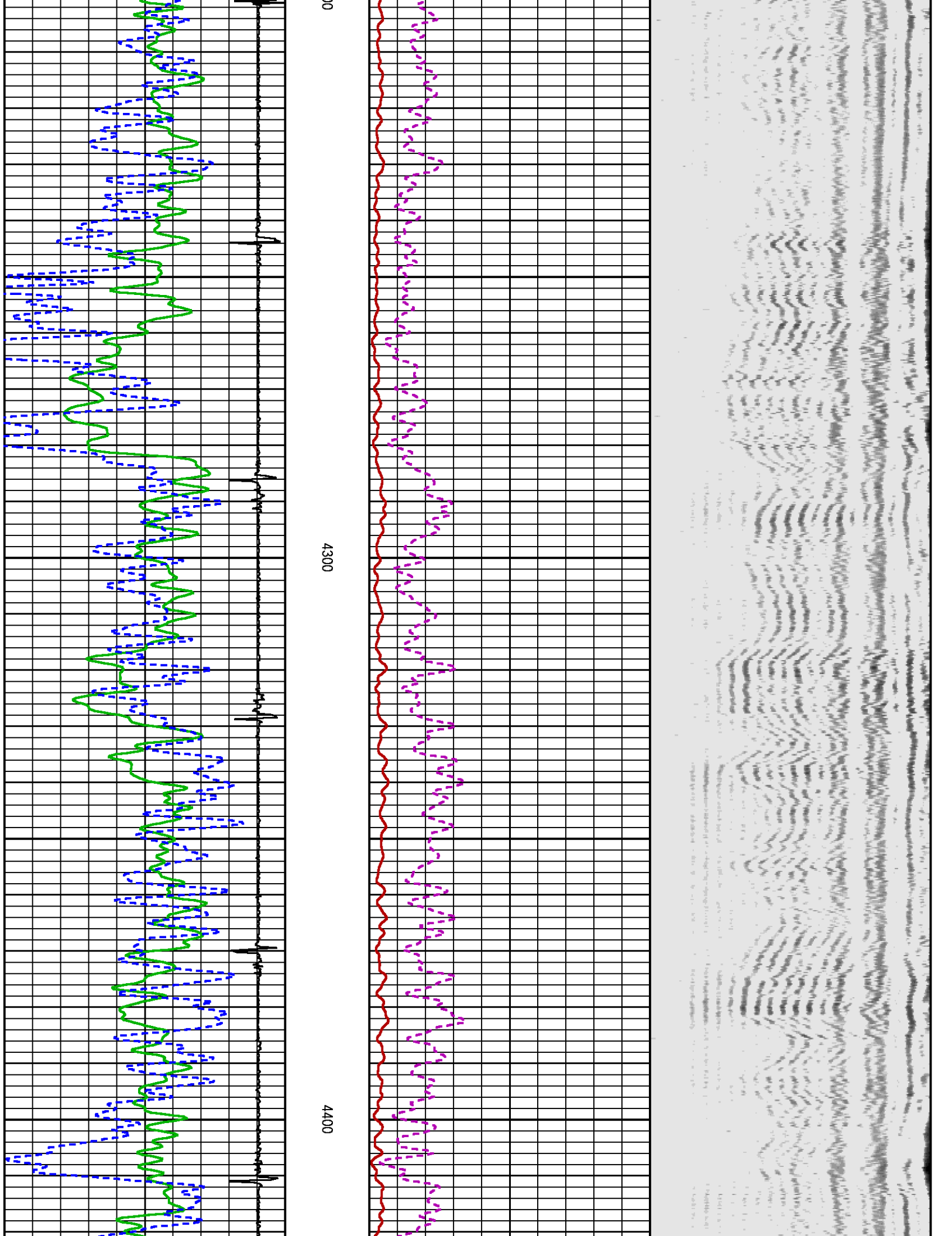


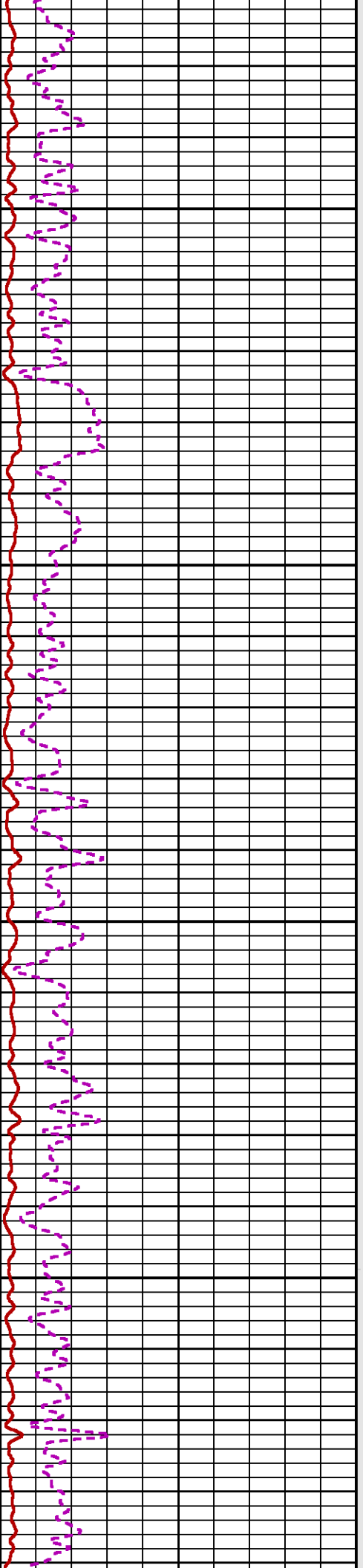
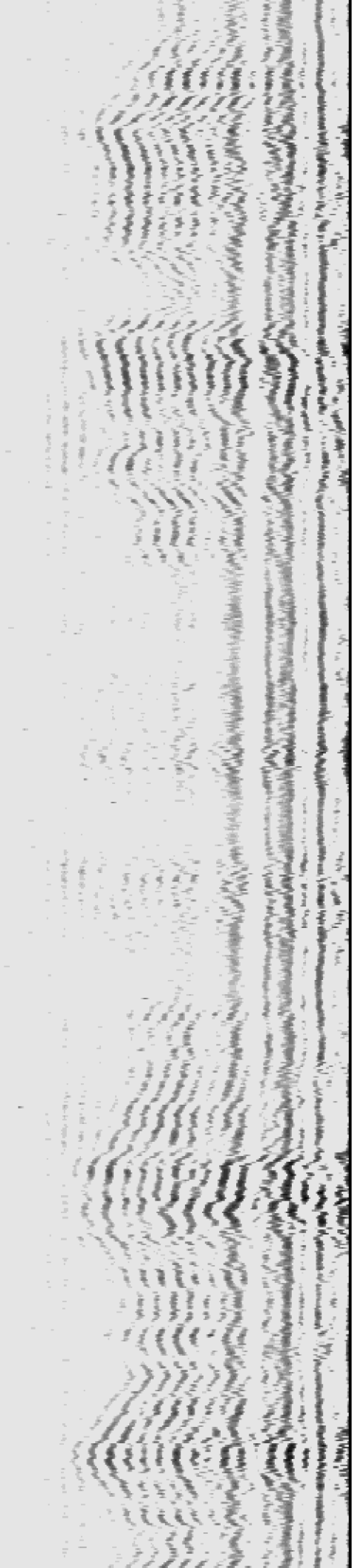
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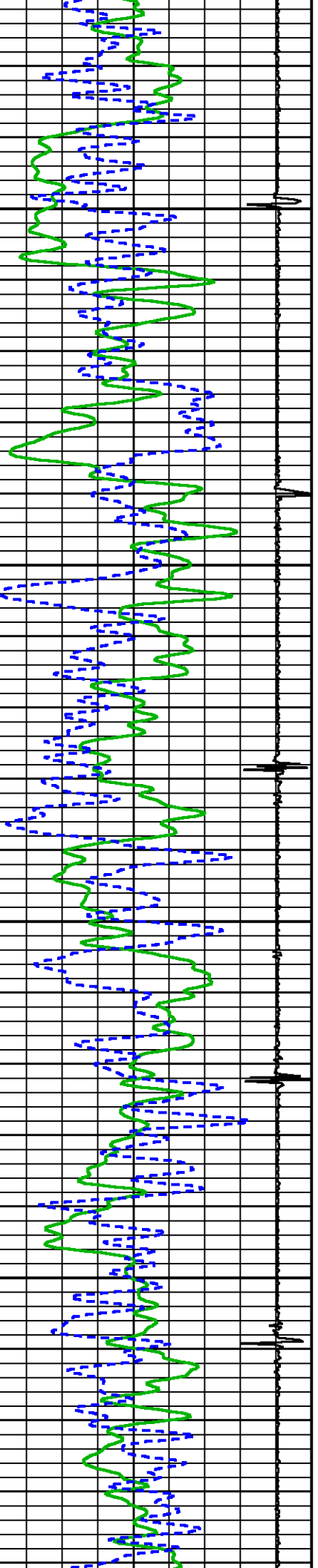


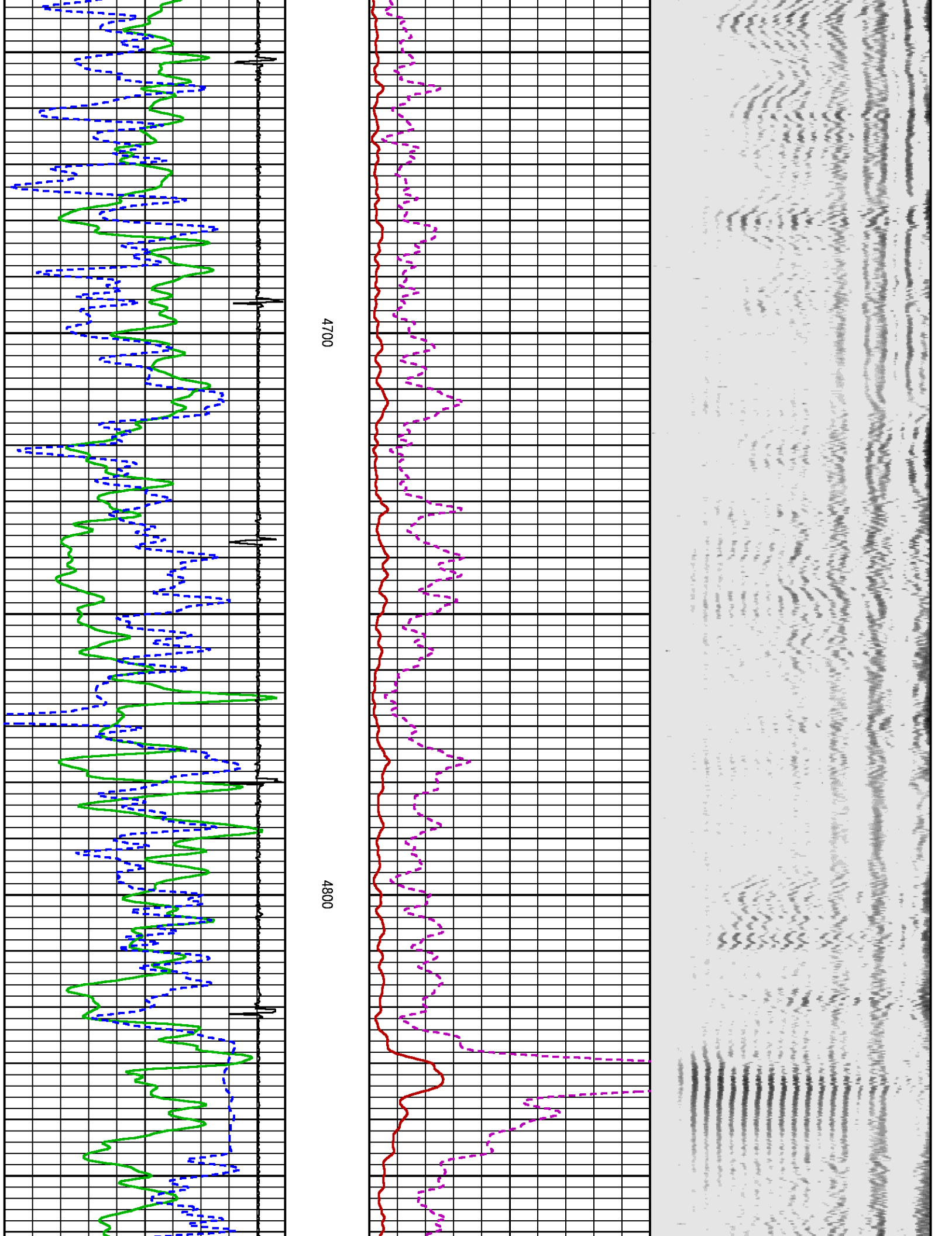


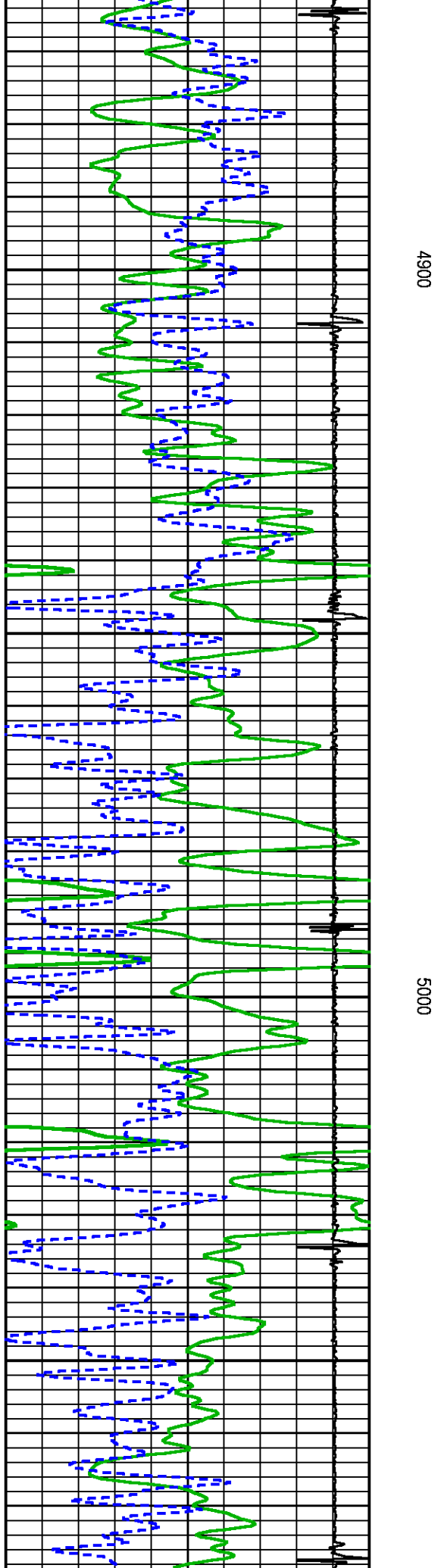
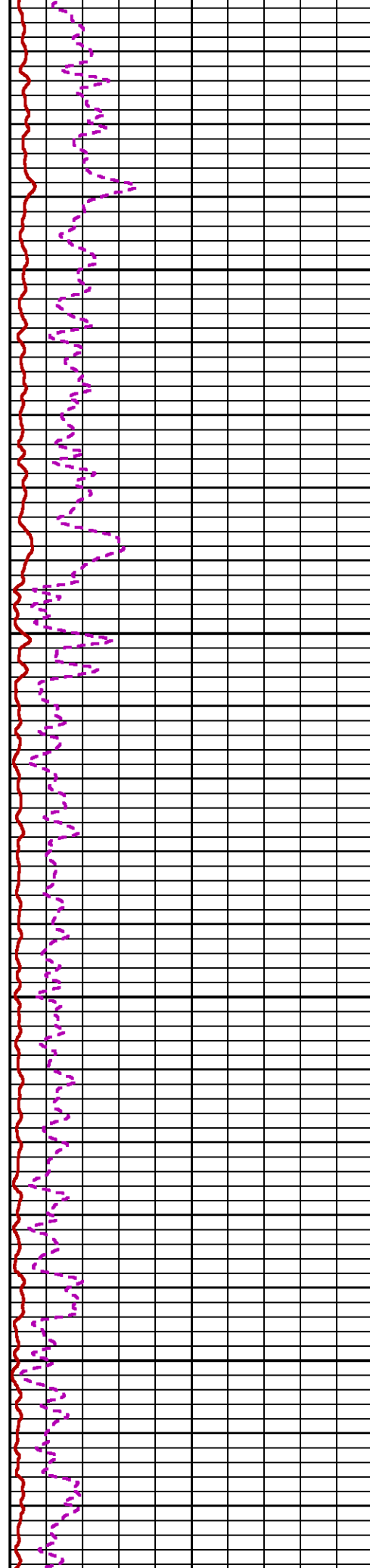
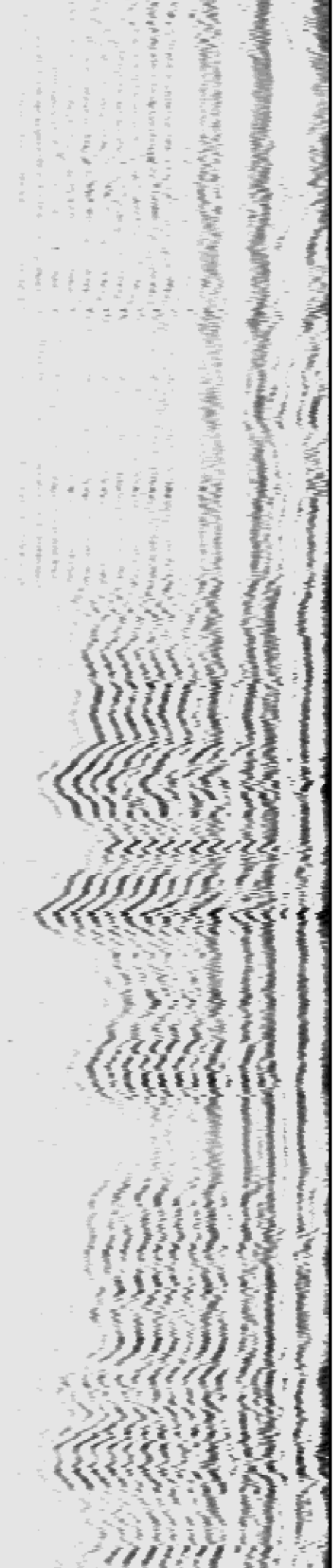


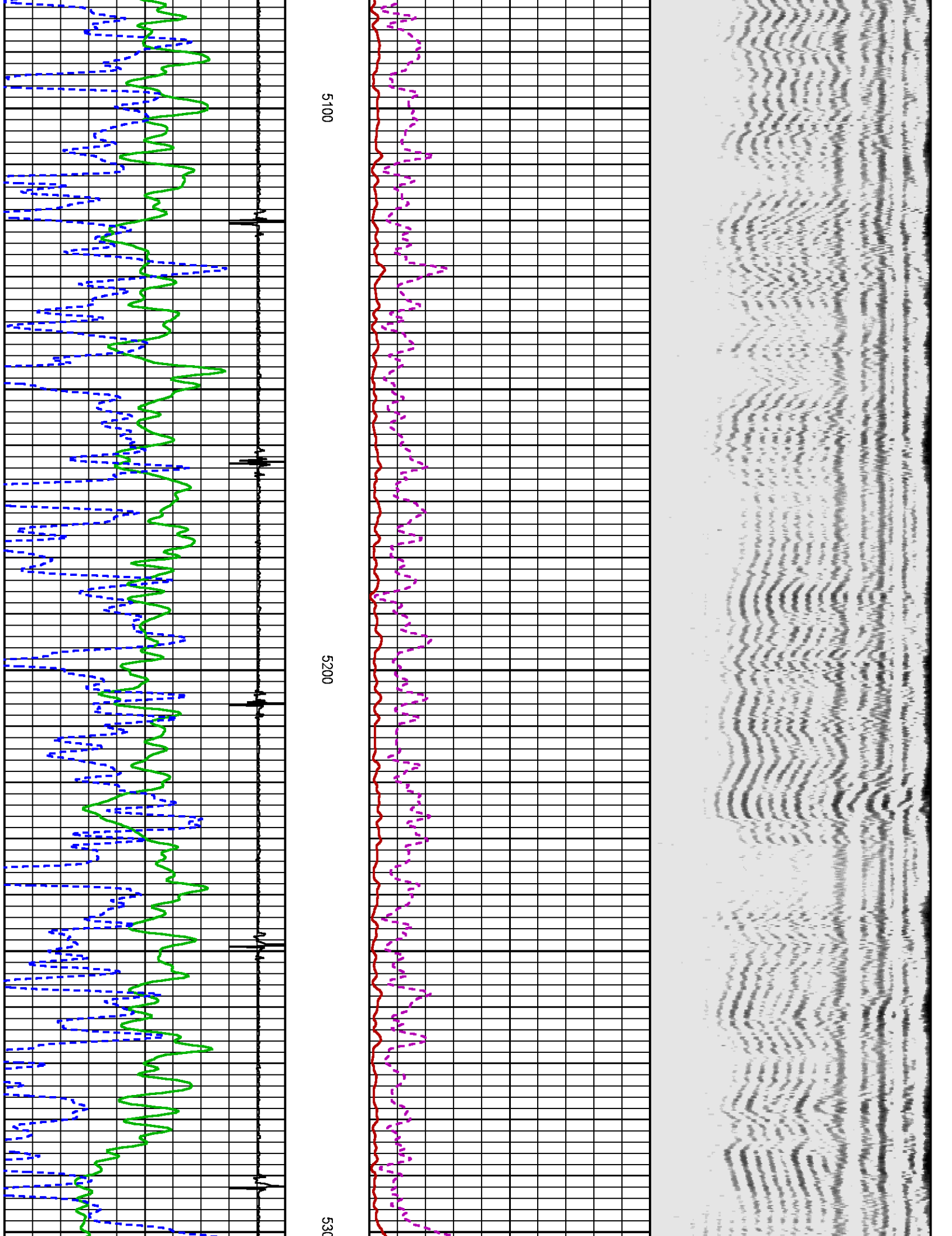
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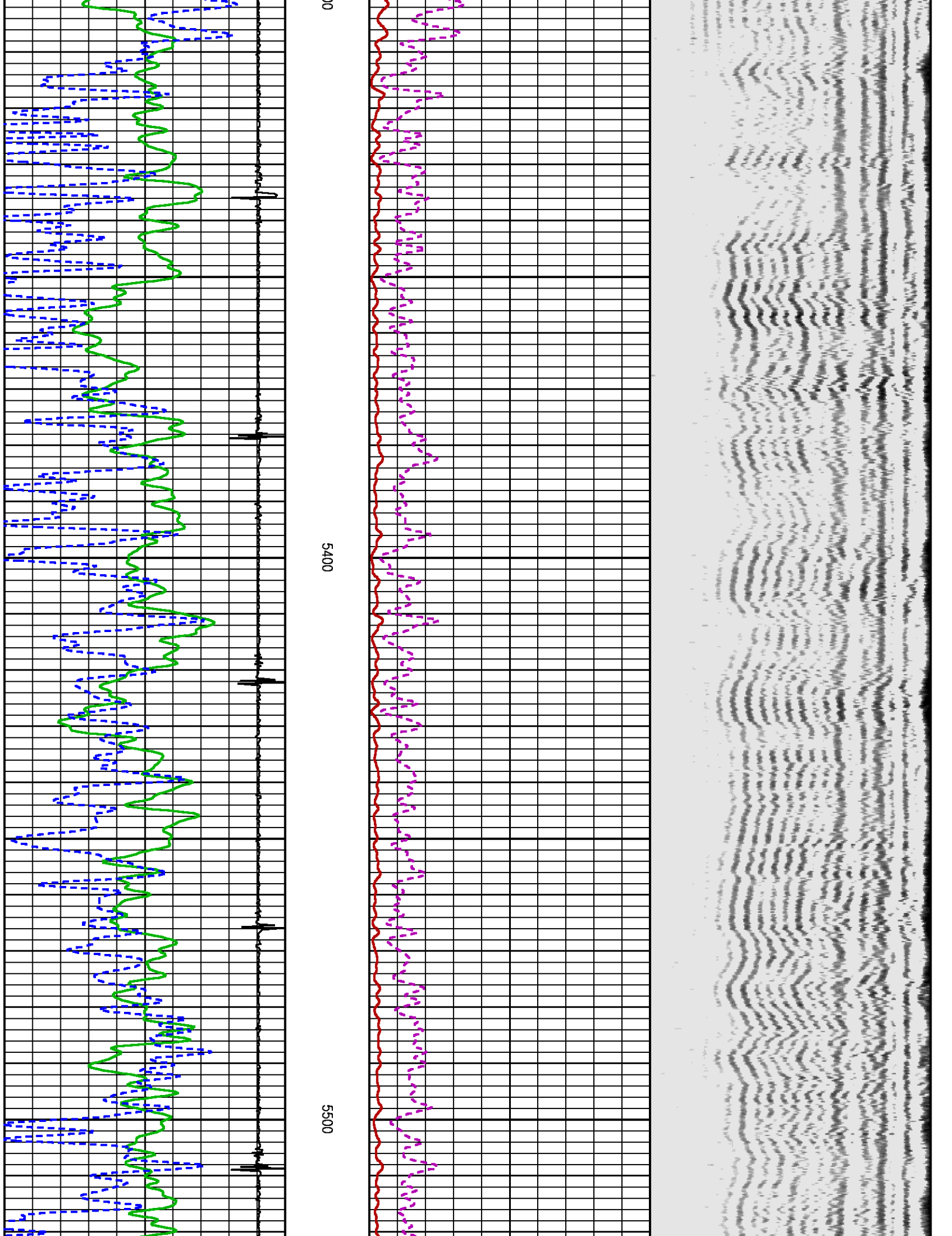
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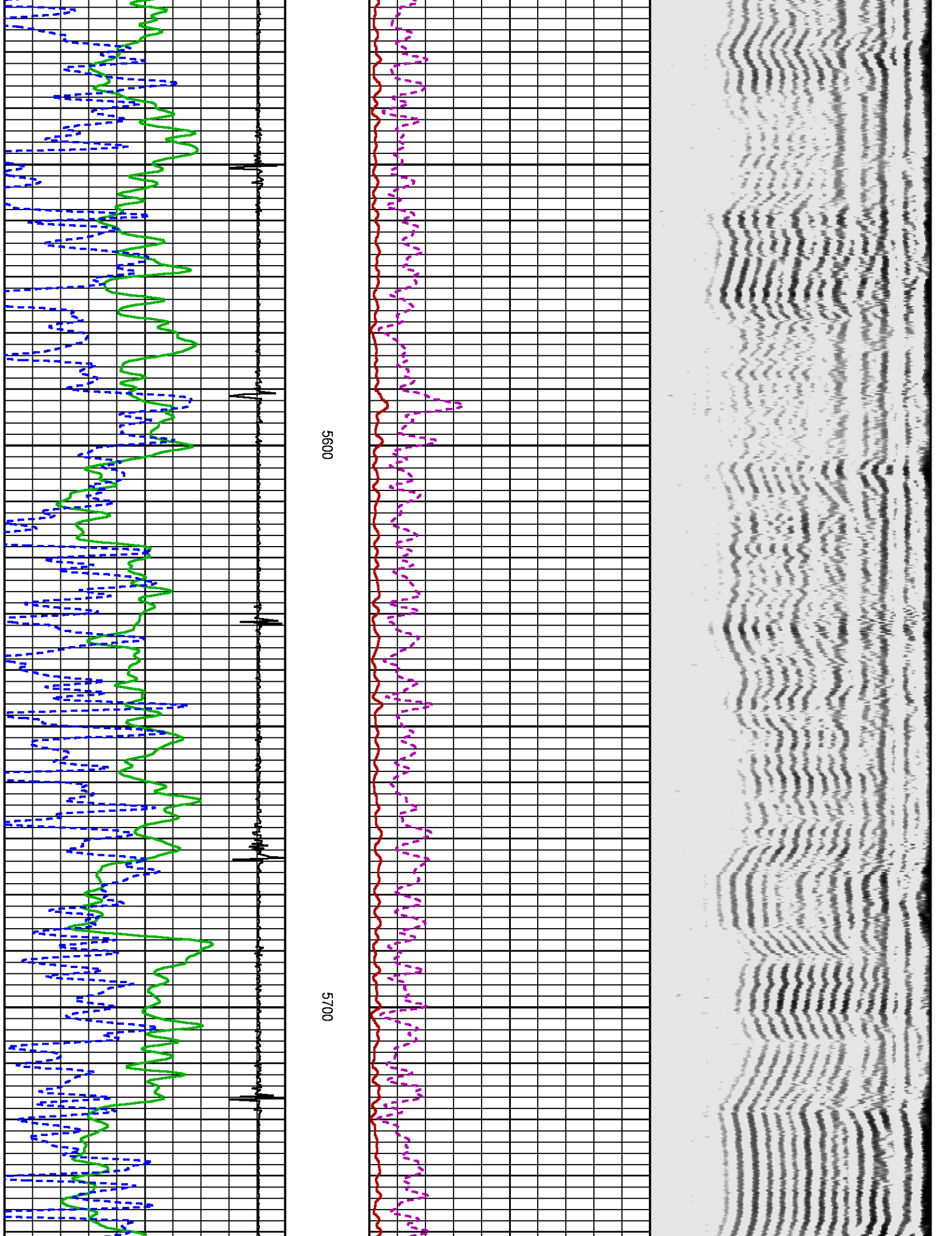


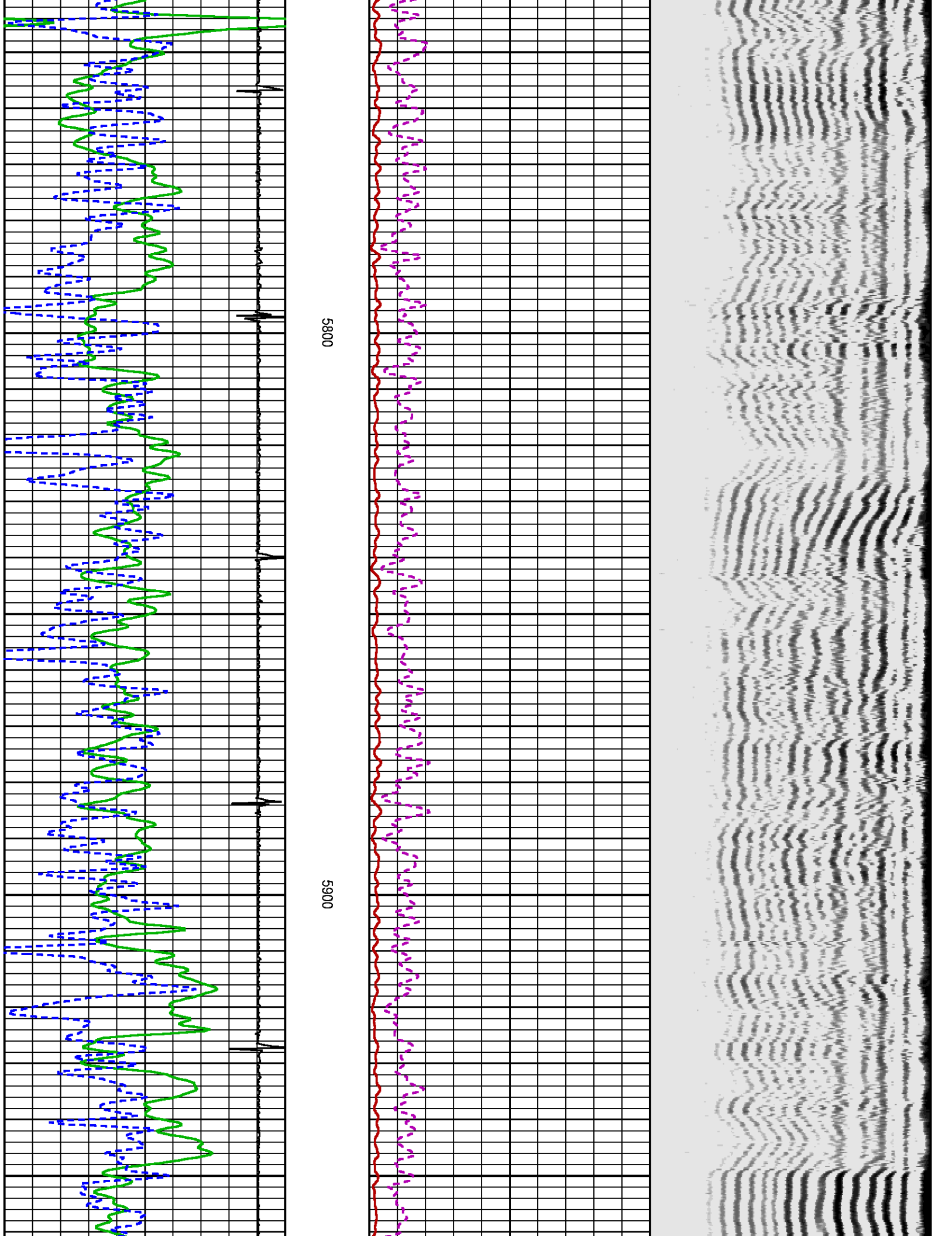


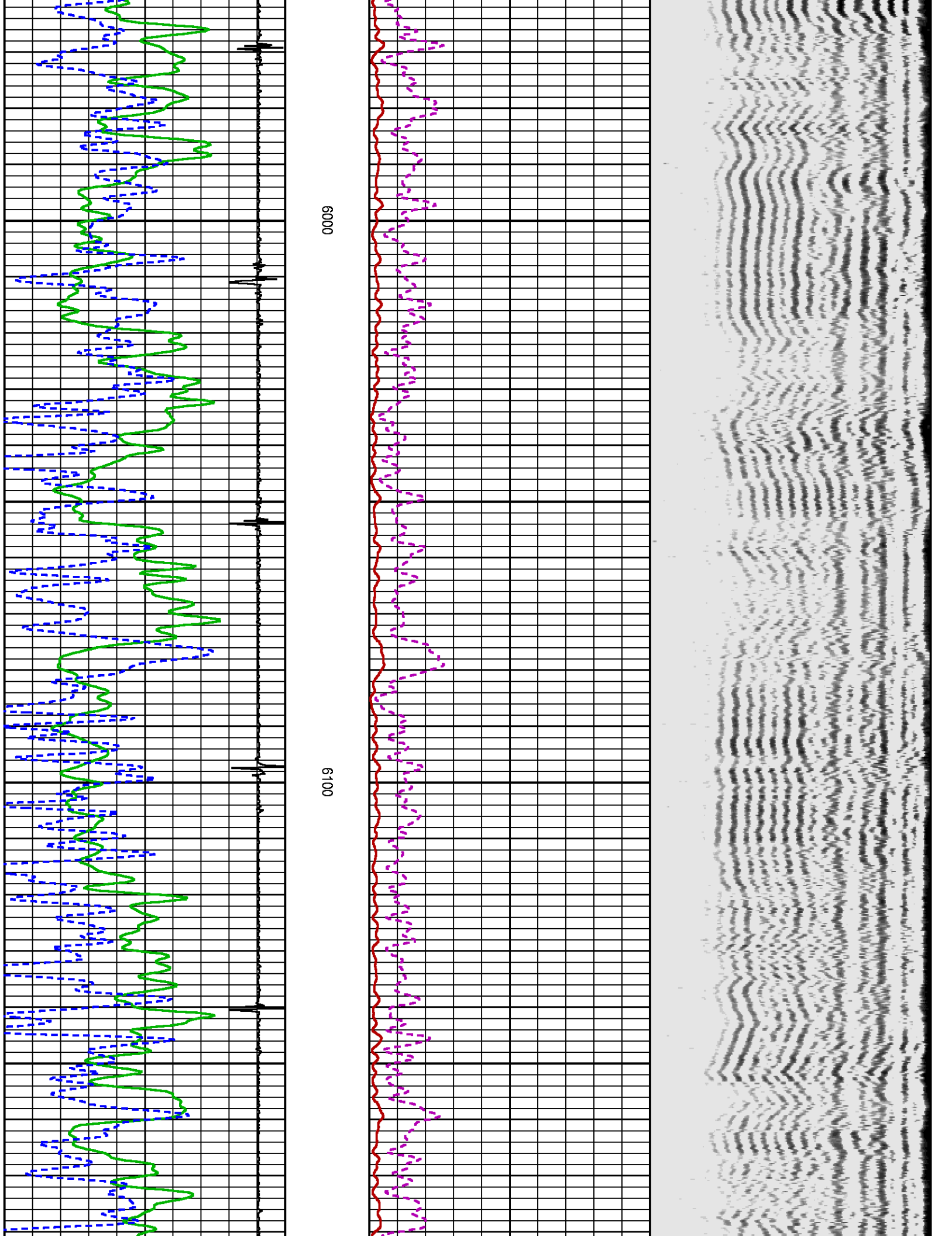


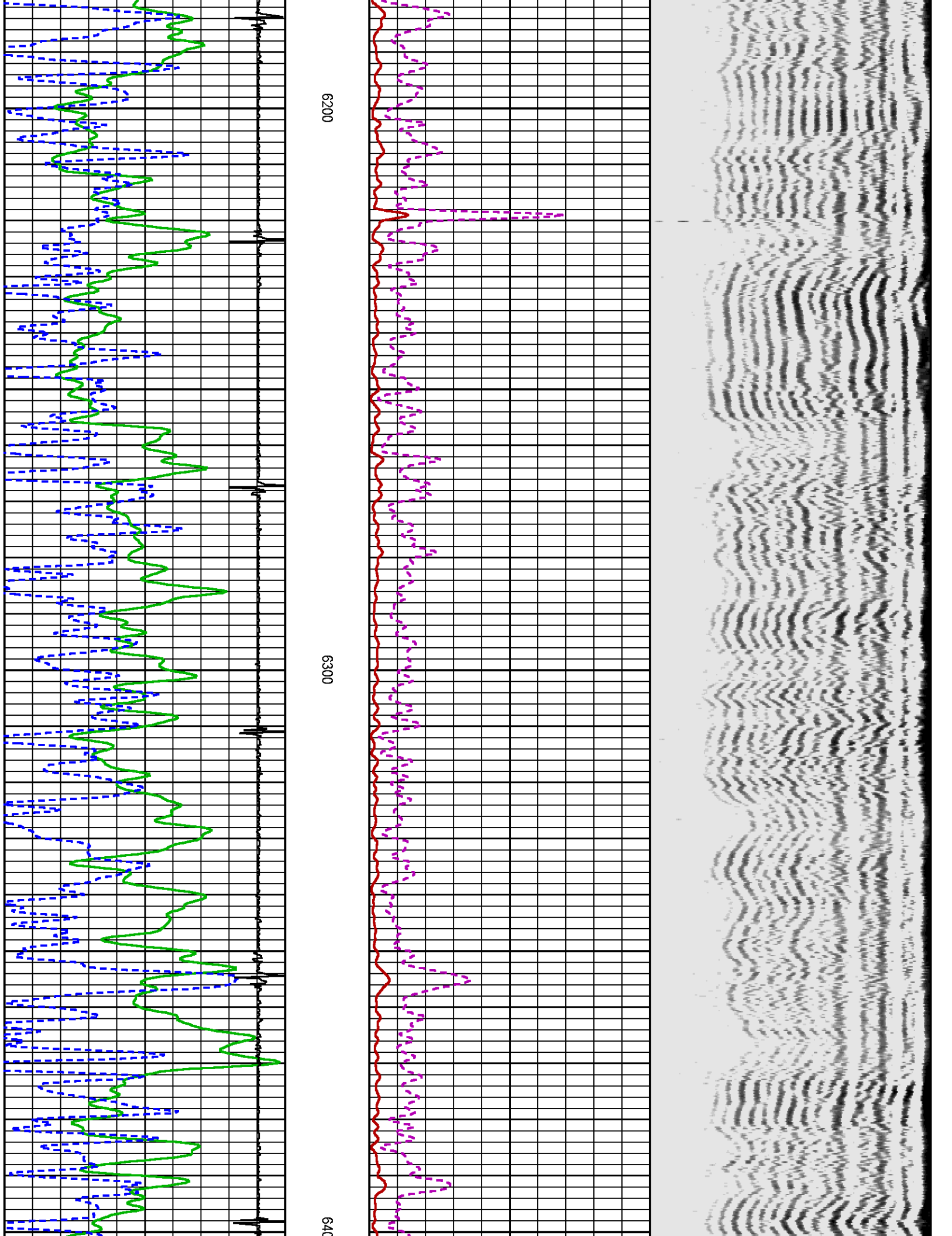


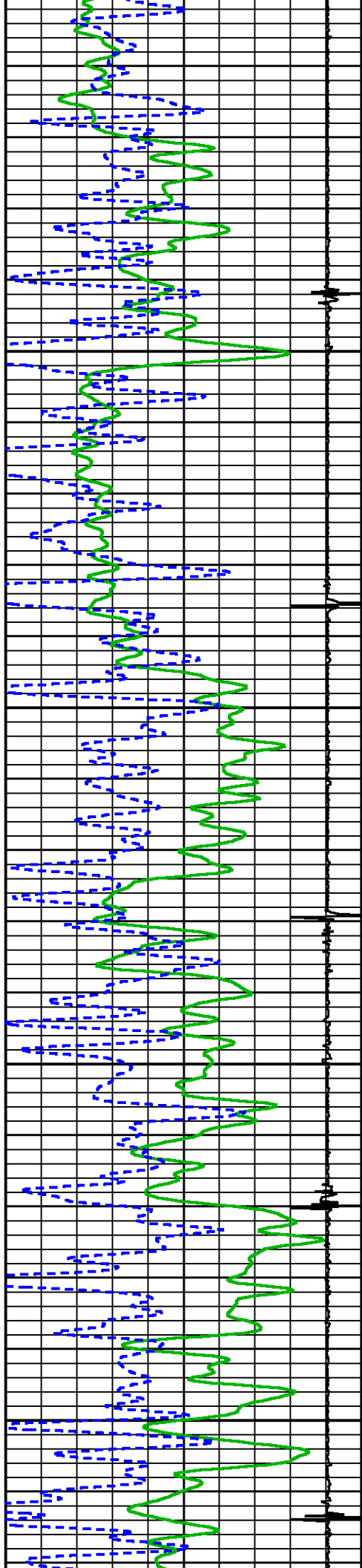






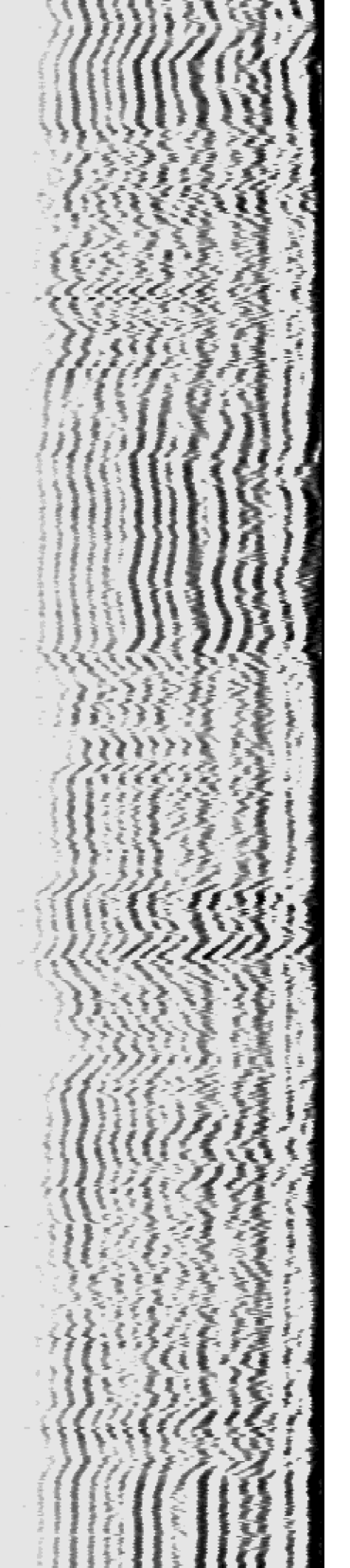
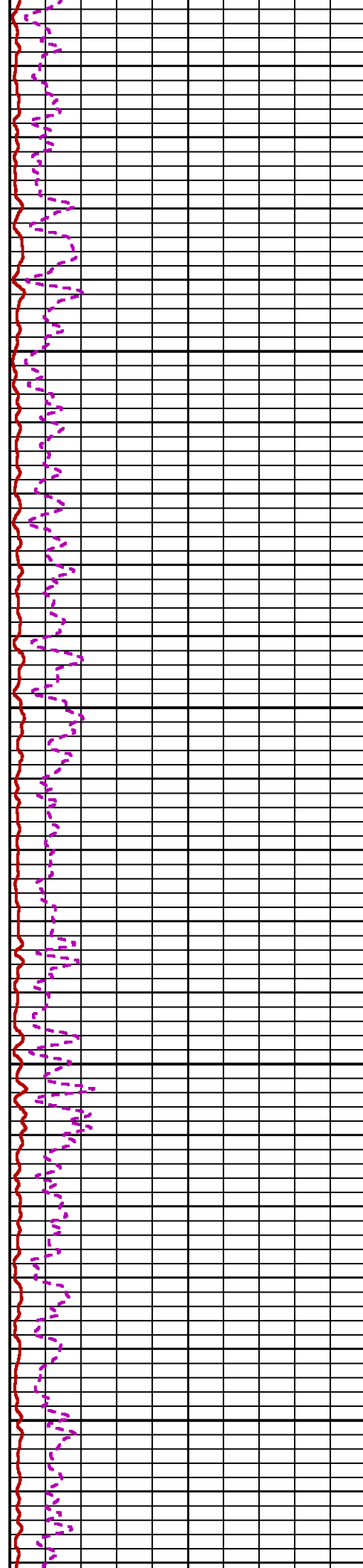


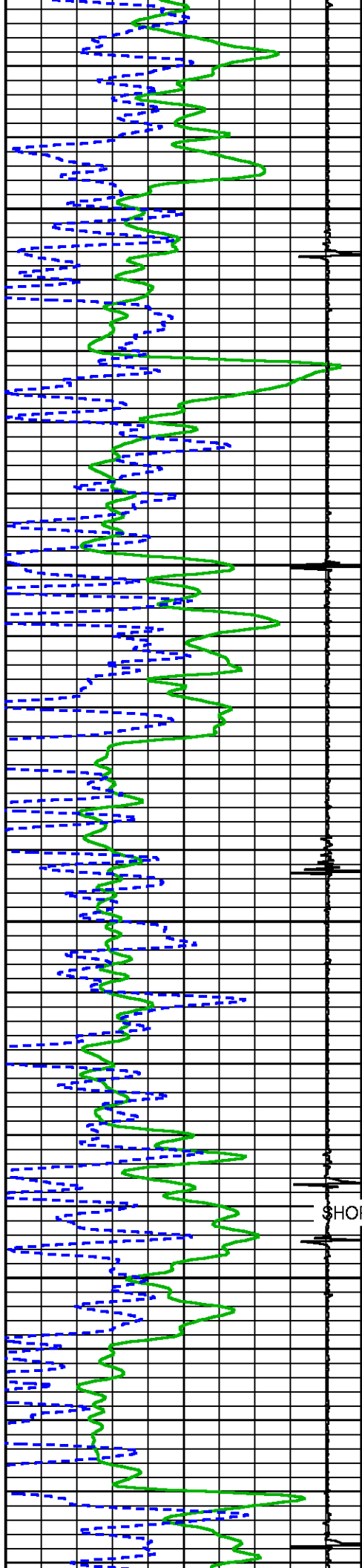




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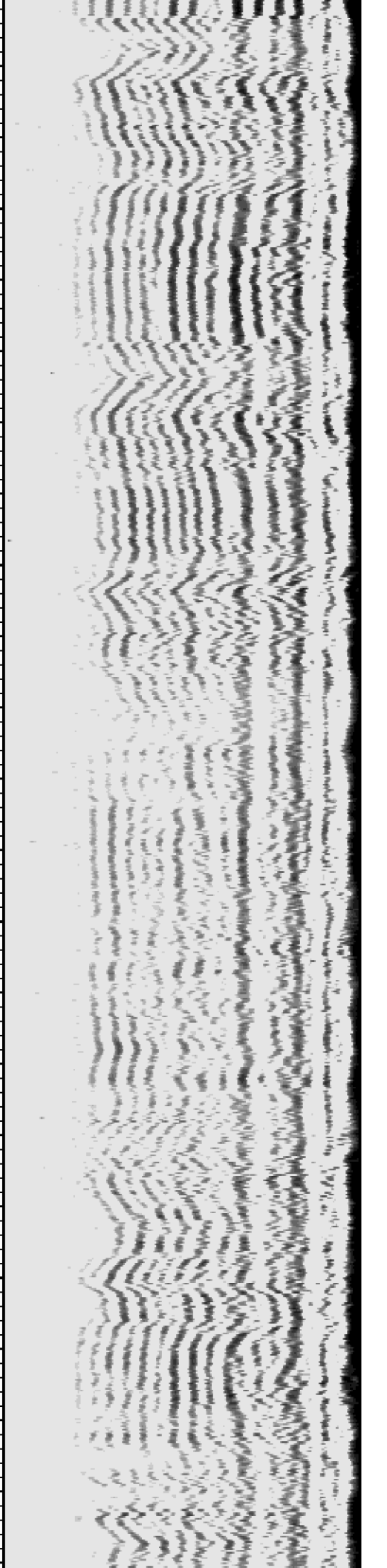
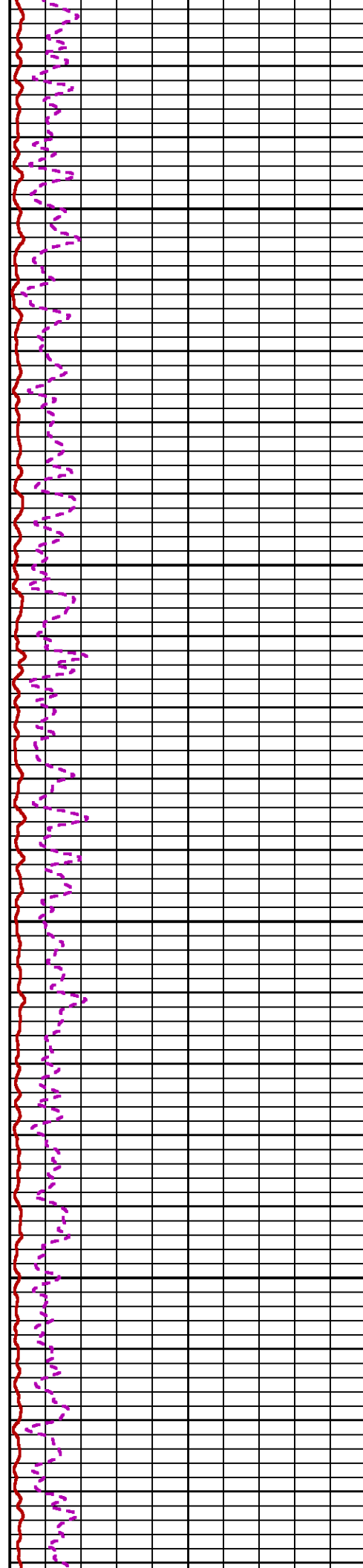


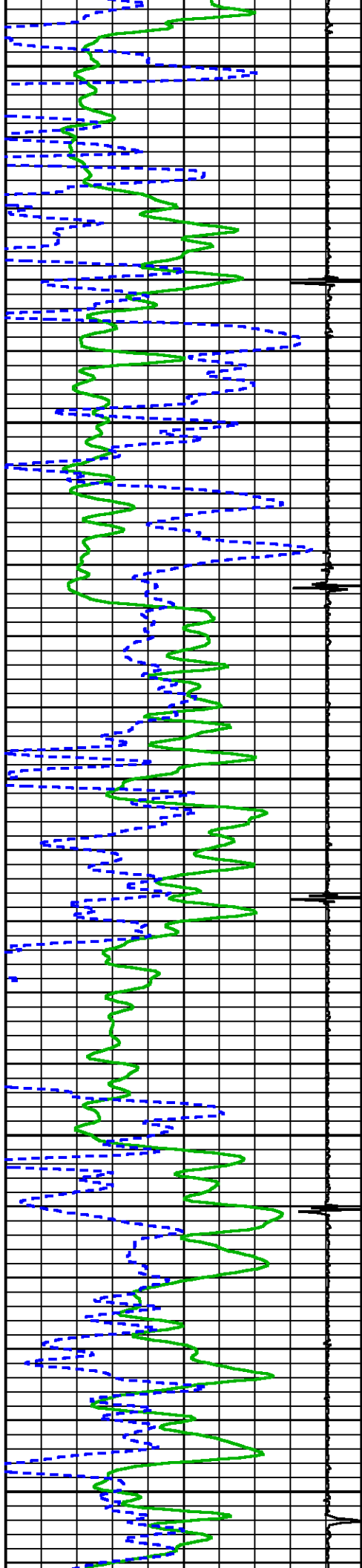


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SHORT JOINT

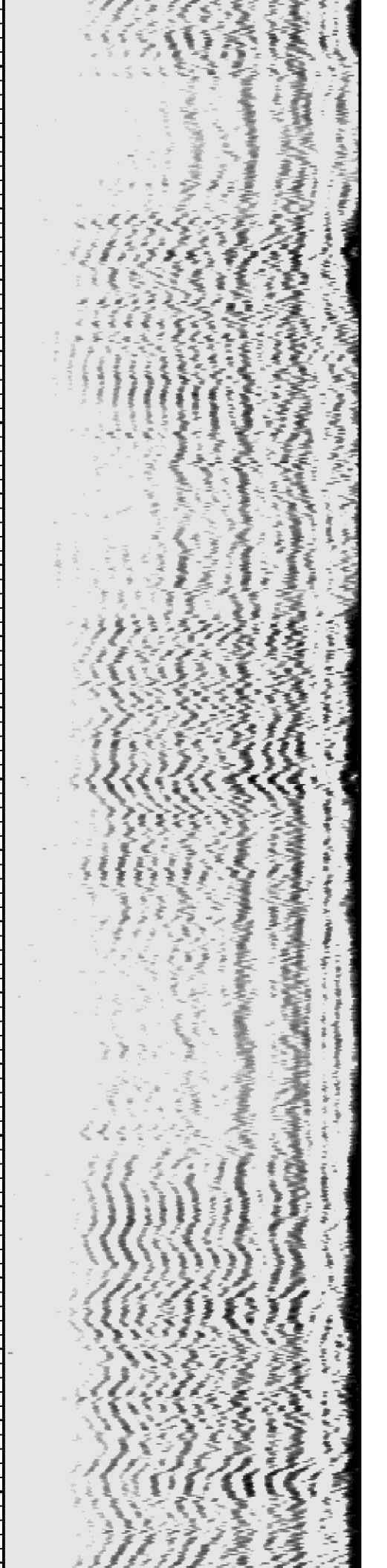
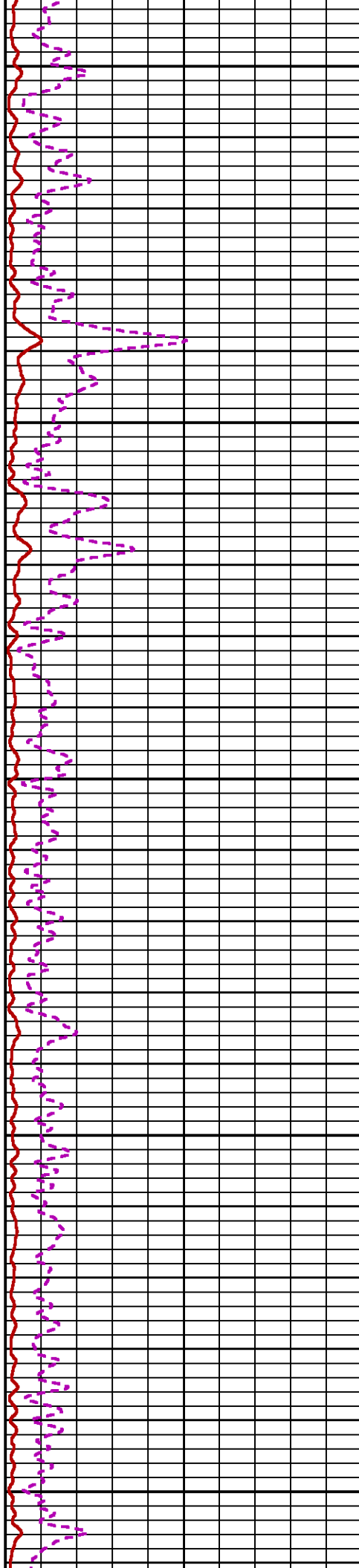
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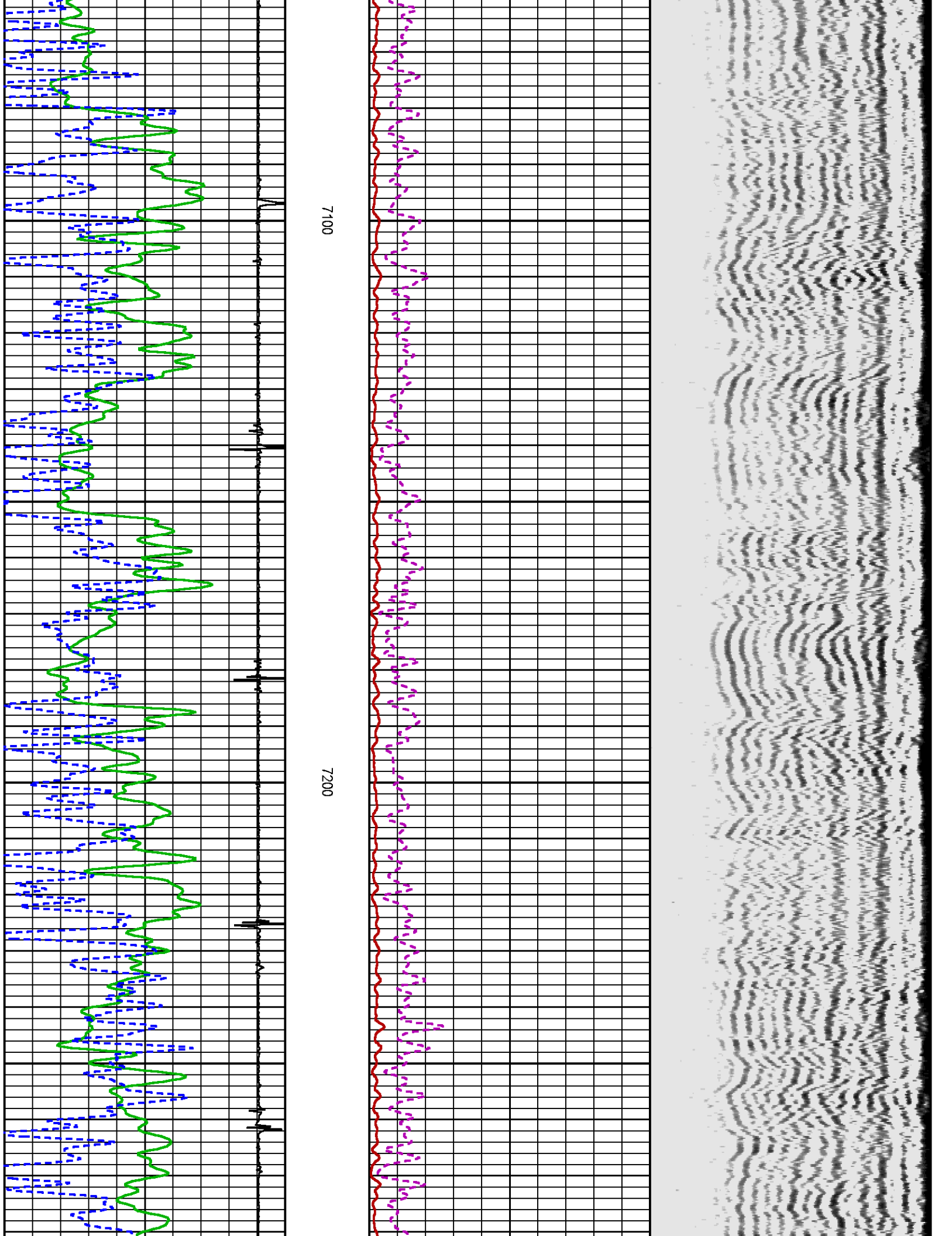


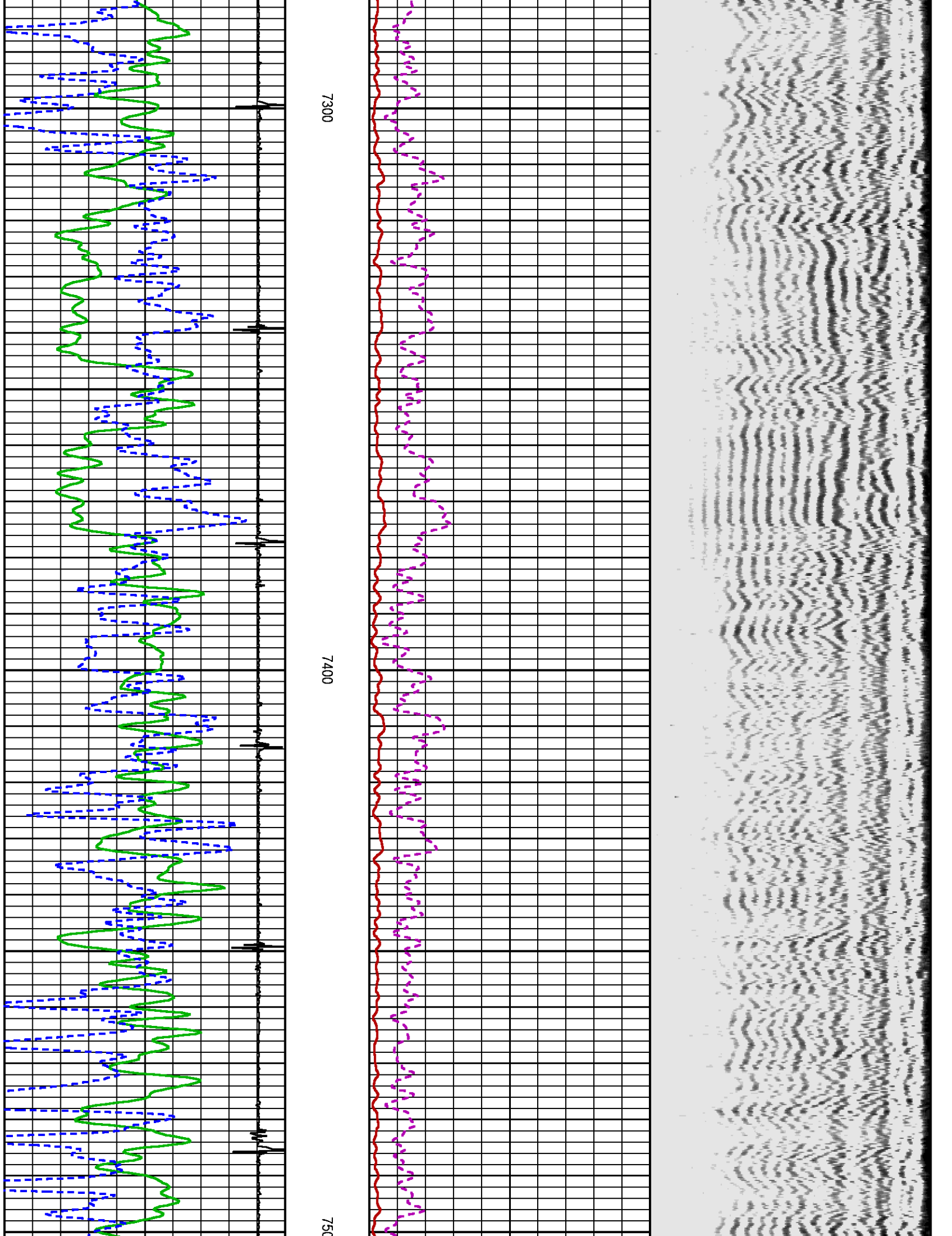


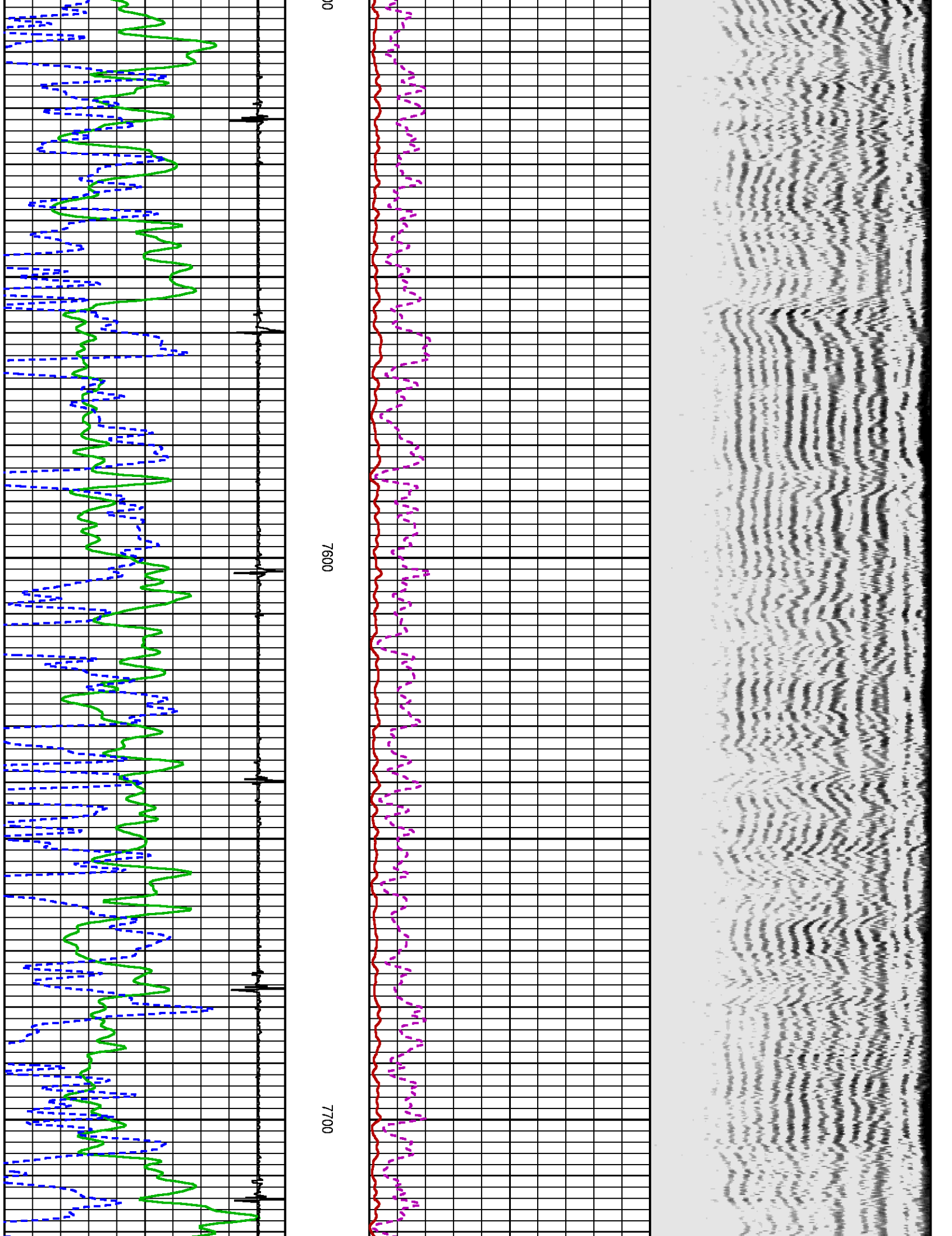
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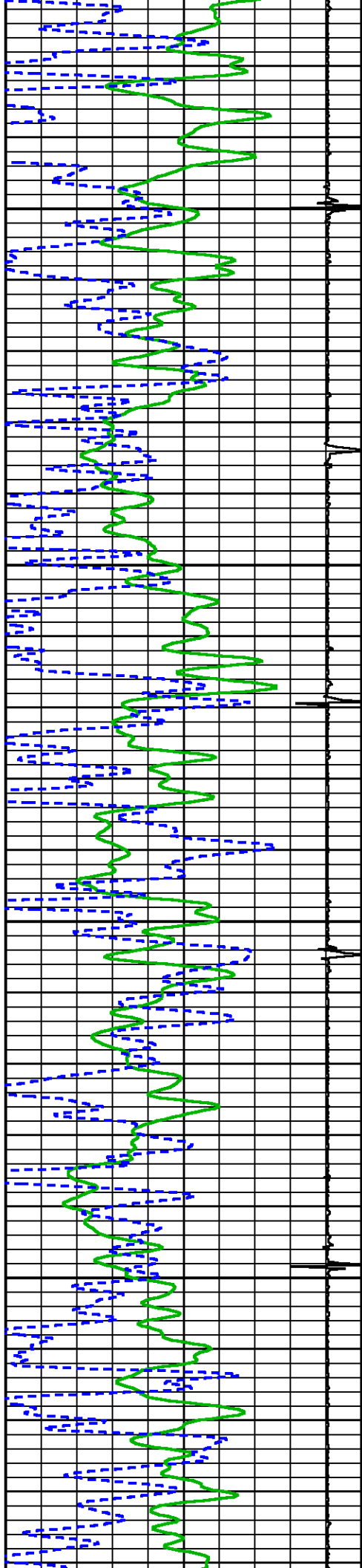
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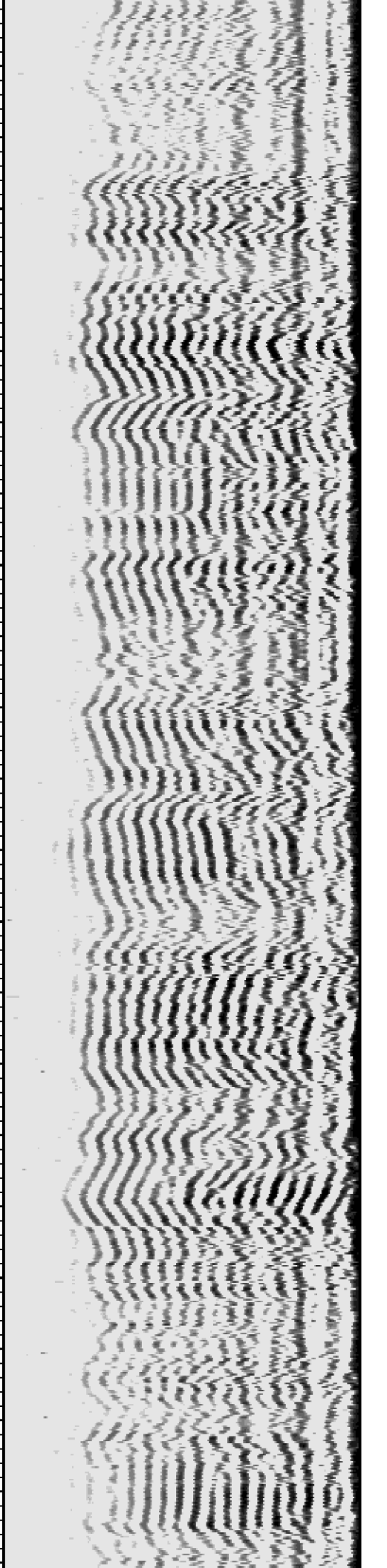
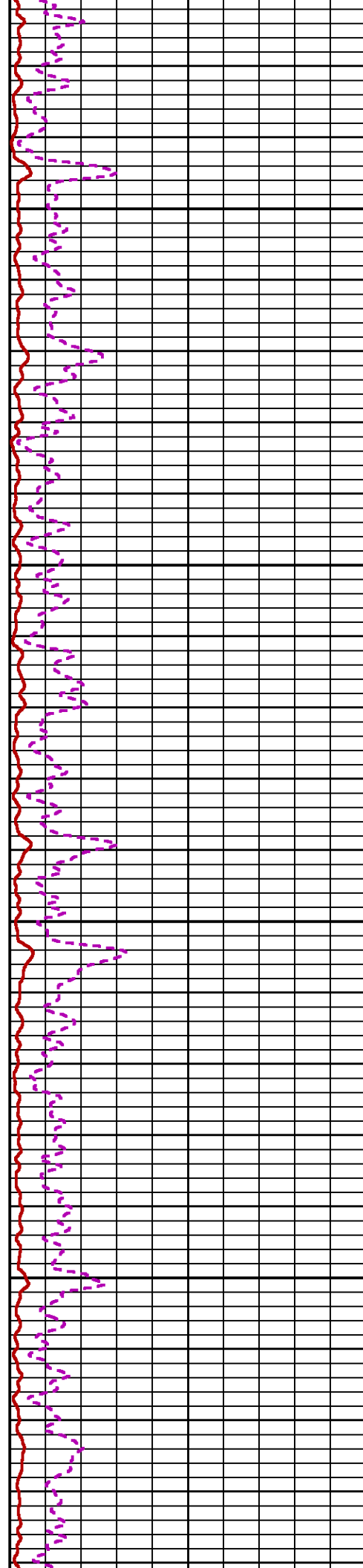


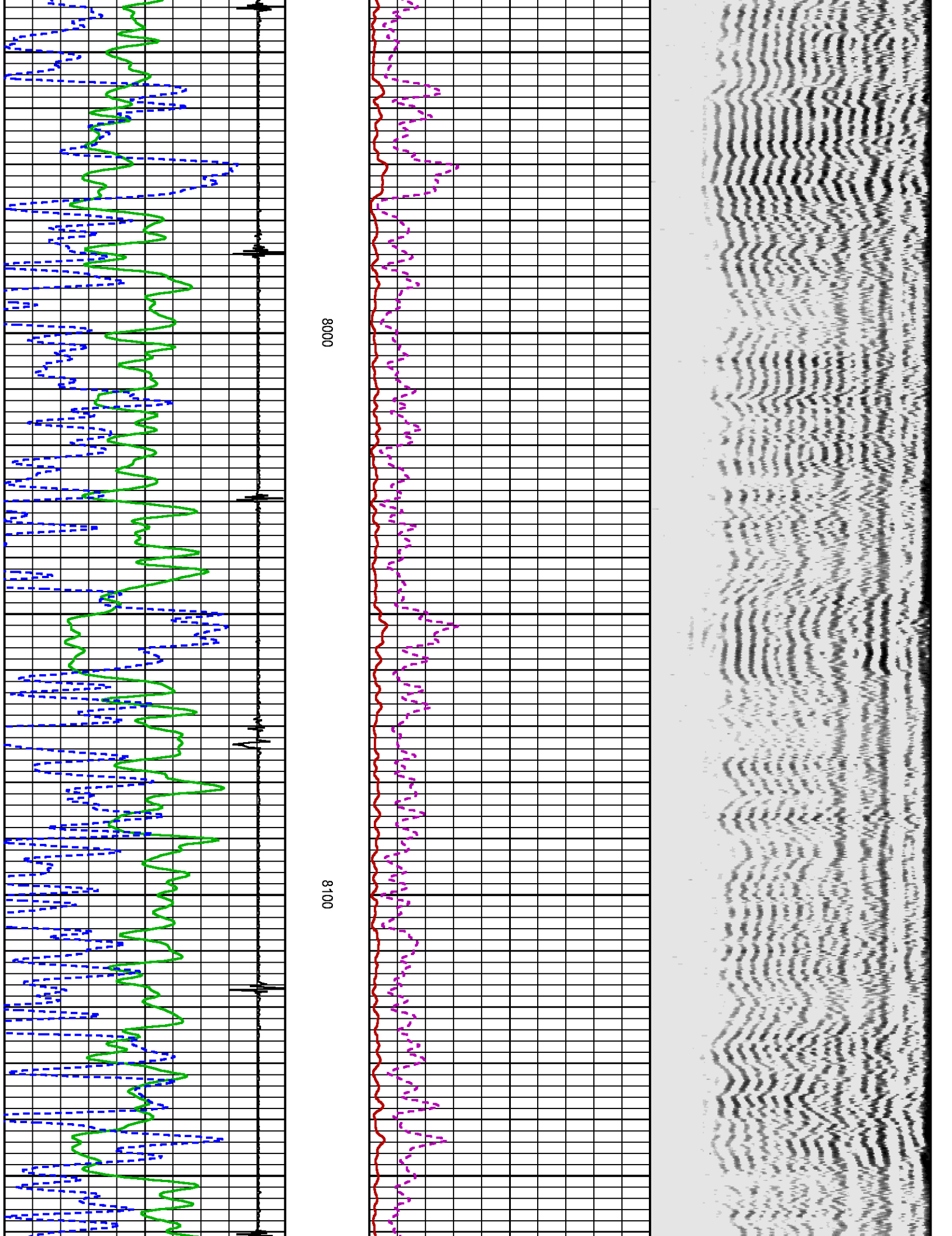


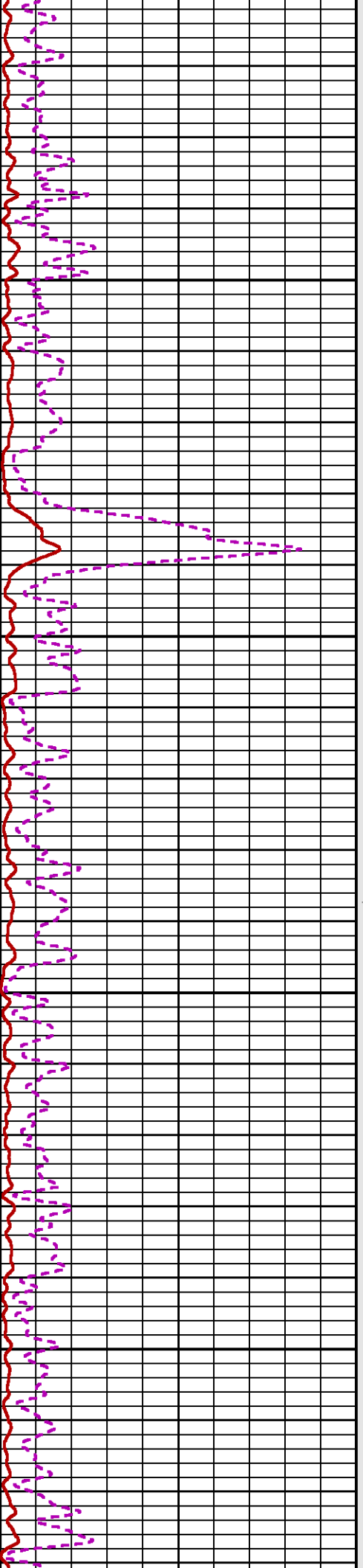
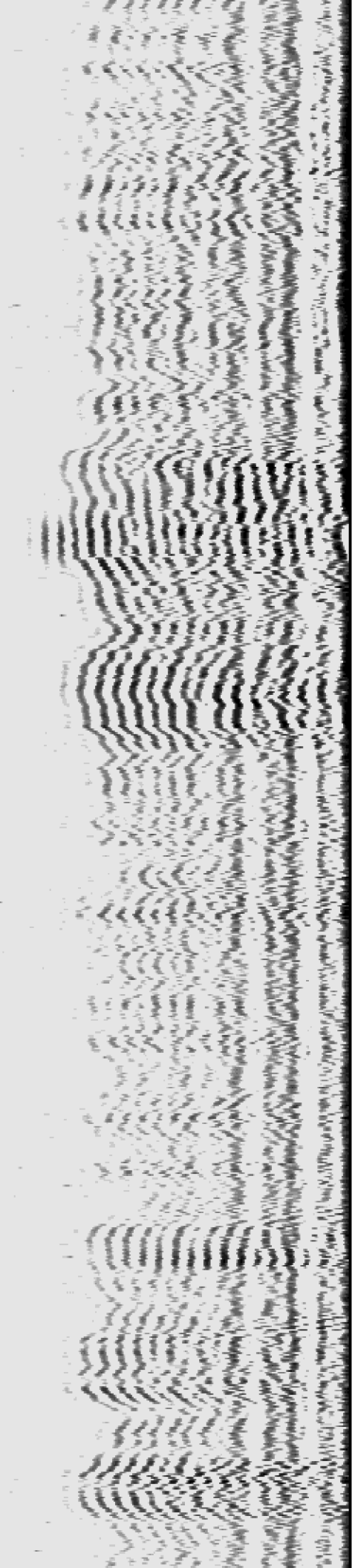


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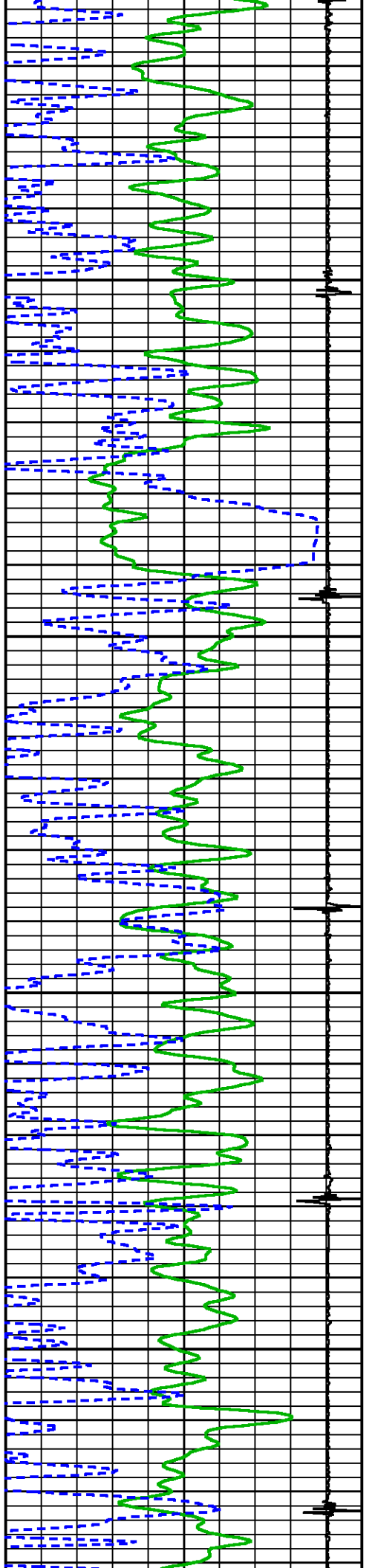


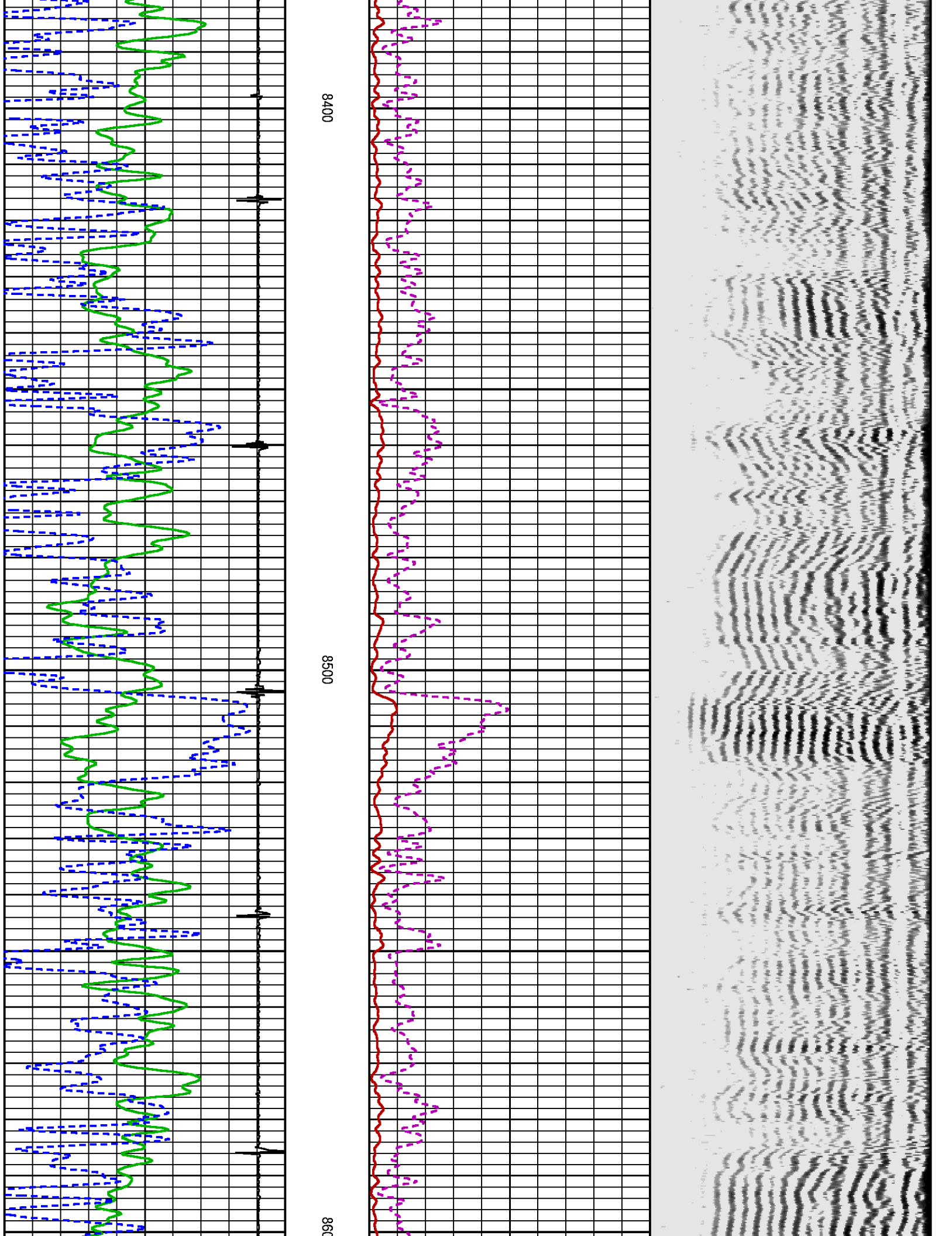


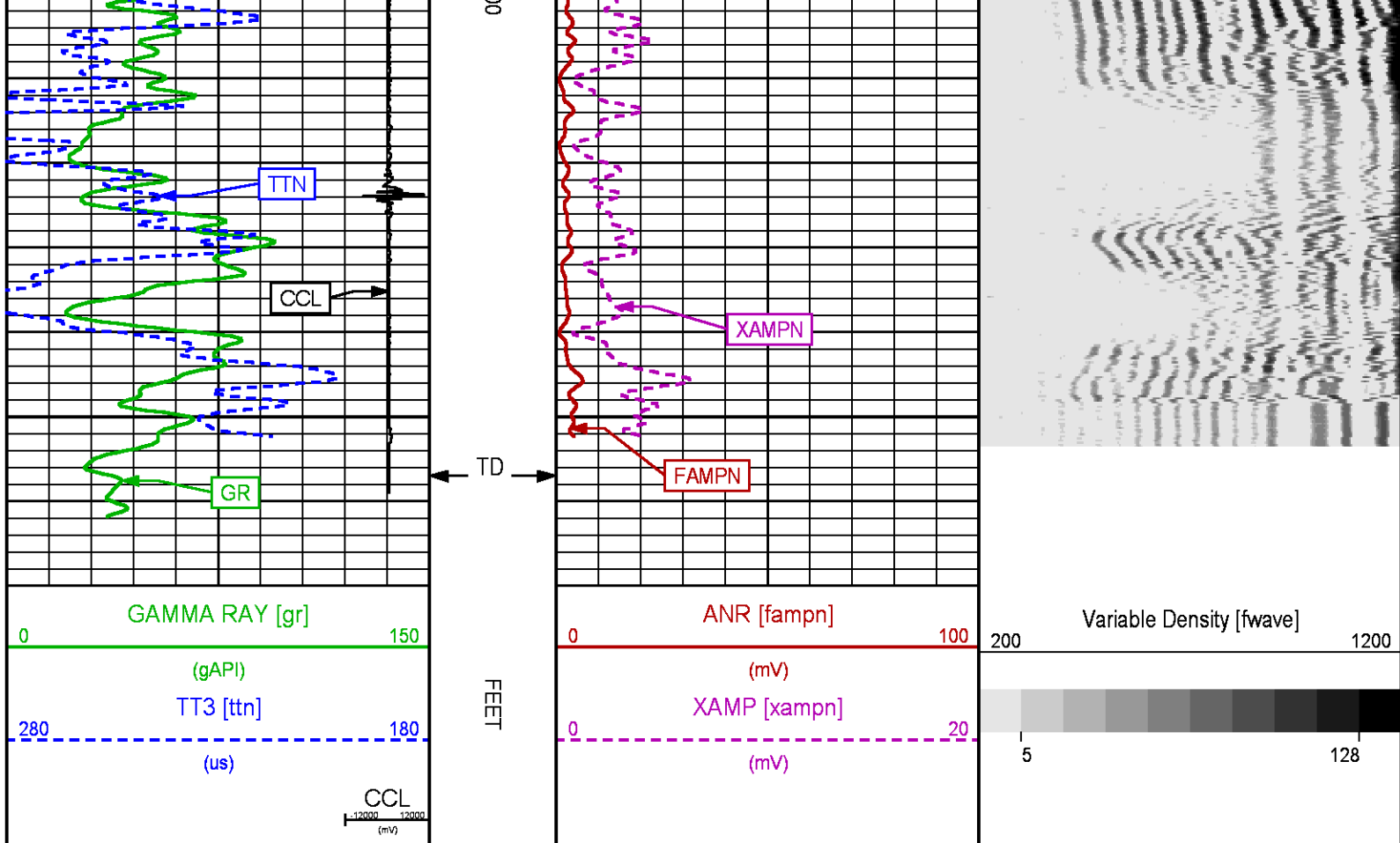


8200

8300







REPEAT 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: Tue Mar 1 08:26:22 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH105967/n012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 8412.750 ft BOTTOM DEPTH: 8668.000 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)		" "

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 (famp*)	186	us	TOP BOTTOM

AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (igpn)	100	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	177	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	"	"

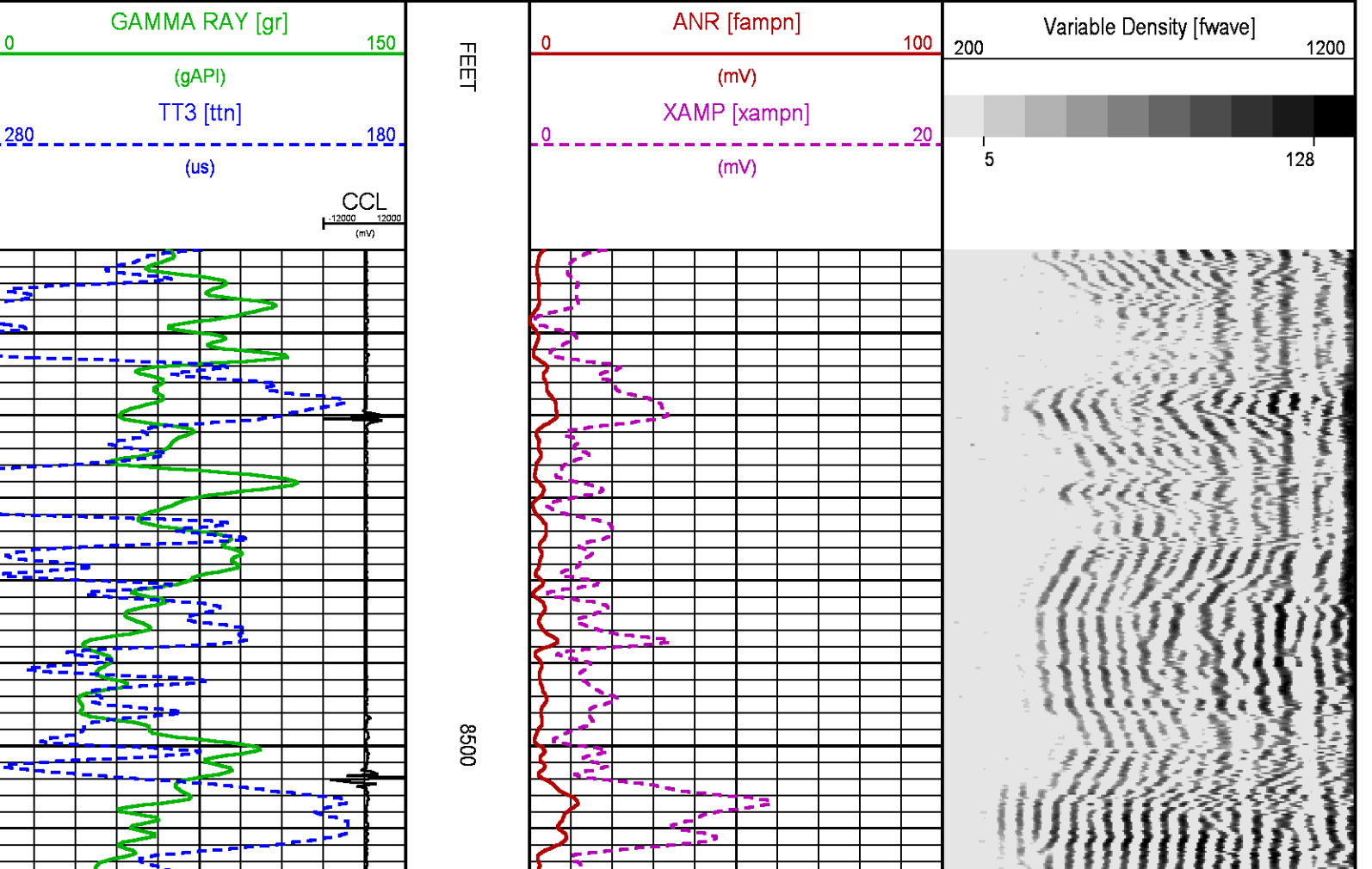
CURVE DESCRIPTION REPORT

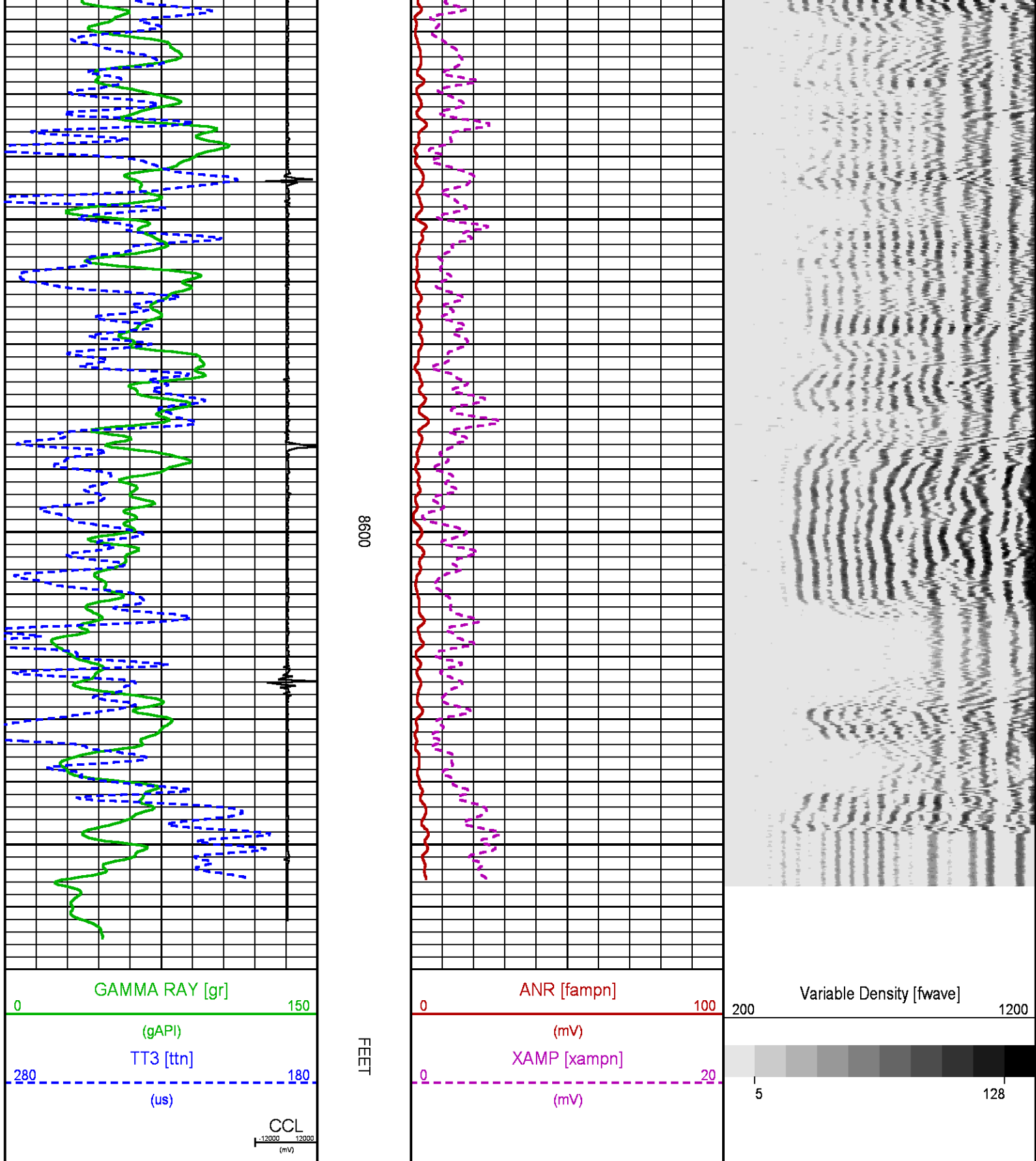
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Mar 1 07:40:27 2016	CASING COLLAR LOCATOR
F1:FAMPN	Mar 1 07:40:27 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Mar 1 07:40:27 2016	FAR WAVE FORM
F1:GR	Mar 1 07:40:27 2016	GAMMA RAY
F1:TTN	Mar 1 07:40:27 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Mar 1 07:40:27 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/CH105967/13D1_CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval	: 8440 - 8670 Feet
Data File 1	: F1 : cpu100:/dat1a/CH105967/13D1_CBL_REPEAT.xtf
Created On	: Mar 1 07:40:27 2016
Company	: CAERUS OPERATING LLC
Well	: PUCKETT 13D-1
Field	: GRAND VALLEY
File Interval	: 8401 - 8668 Feet
OCT	: n012g





CALIBRATION / VERIFICATION SUMMARY

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: Tue Mar 1 07:12:12 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	0.28	-0.72	-0.18	-0.45	-0.44	-0.34	-0.79	-0.19	-0.82	0.23	-0.37
AMP AIR	0.89	0.81	0.01	1.02	1.83	1.34	2.95	1.49	2.76	1.18	98.56

SHOP M FACTOR	SHOP A FACTOR	WIRELINE 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

INSTRUMENT CONFIGURATION

A3 CABLEHEADRADIAL 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

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

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

18.85'

NEAR RCVR 11.17'

FAR RCVR 10.21'

CCL 5.79'

GR 1.67'

TEMP 0.17'



COMPANY
 WELL
 FIELD
 COUNTY

CAERUS OPERATING LLC
 PUCKETT 13D-1
 GRAND VALLEY
 GARFIELD

STATE COLORADO

FILE NO:

CH105967

API NO:

05045226150000

LOCATION:

SHL: 313' FEL & 1100' FSL, 2 7S 97W
 BHL: 696' FEL & 1501' FSL, 1 7S 97W

SEC 1 TWP 7S RGE 97W

ELEVATIONS:

KB 8453.8 FT
 DF
 GL 8423.8 FT

DATE 01-Mar-2016

SEC 1 T 7S R 97W
 PAD: MESA P2-797
 RIG: H&P 330