



FILE NO: US090614J		COMPANY LARAMIE ENERGY	
API NO: 05077102190000		WELL SUP & SHEP FEDERAL 25-11M	
Ver. 3.87 SEC 25 T9S R93W SUP&SHEP 25-11 PATTERSON 306		FIELD VEGA	
LOCATION: SHL: 2510' FSL 1946' FWL BHL: 2472' FSL 2389' FWL		COUNTY MESA	
SEC 25 TWP 9S RGE 93W		STATE COLORADO	
PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM		OTHER SERVICES HDIL ZDL CN GR XY CAL	
GL ELEVATION 8077 FT KB 18 FT ABOVE P.D. KB 8095 FT DF GL 8077 FT			
DATE 06-OCT-2014			
RUN 1 TRIP 1			
SERVICE ORDER US090614J			
DEPTH DRILLER 8510 FT			
DEPTH LOGGER 8497 FT			
BOTTOM LOGGED INTERVAL 8463 FT			
TOP LOGGED INTERVAL 0 FT			
CASING DRILLER 8.625 IN @ 1547 FT			
CASING LOGGER 1540 FT			
BIT SIZE 8.875 IN			
TYPE OF FLUID IN HOLE LSND			
DENSITY 9.5 LB/G 52 S			
PH 8.6 6.8 C3			
SOURCE OF SAMPLE FLOWLINE			
RM AT MEAS. TEMP. 3.26 OHMM @ 67.3 DEGF			
RMF AT MEAS. TEMP. 2.445 OHMM @ 67.3 DEGF			
RMC AT MEAS. TEMP. 4.075 OHMM @ 67.3 DEGF			
SOURCE OF RMF RMC CALCULATED			
RM AT BHT 1.01 OHMM @ 192 DEGF			
TIME SINCE CIRCULATION 6 HOURS			
MAX. RECORDED TEMP. 192 DEGF			
EQUIP. NO. LOCATION 6685 GRAND JCT			
RECORDED BY W. QUIGLEY			
WITNESSED BY MR. ROGER FOSTER			

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
7.875 IN	1547 FT	8510 FT

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
8.625 IN	24 LB/F	J-55	0 FT	1547 FT

REMARKS

RUN 1 TRIP 1: HDIL 2-ZDL CN GR RAN IN COMBINATION

TWO DENSITY TOOLS USED TO PROVIDE X-Y CALIPER LOG
BOTTOM DENSITY IS USED FOR CALIPER ONLY AND ORIENTED 90 DEGREES
BVOL CVOL CALCULATED IN CUBIC FT USING X AND Y CALIPER
CVOL CALCULATED USING PROPOSED 4.5" CASING
CALIPERS VERIFIED INSIDE CASING

THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE SERVICES
CREW: COATE/BAUGHMAN/QUIGLEY
RIG: PATTERSON 306

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	SWIVEL	3950XA	10102176	FREE
1	1	TTMA	3980XA	10120299	FREE
1	1	TEL/GR	3518FB/EG	10137522	FREE
1	1	NEUTRON	2436XA	10127973	DECENTRALIZED
1	1	DENSITY	2223XA	10123024	DECENTRALIZED
1	1	KNUCKLE	3930XA	10102172/10087285	FREE
1	1	DENSITY	223XA	10090664	CALIPER ONLY
1	1	KNUCKLE	3930XA	10139400/10087279	FREE
1	1	HDIL	1530XA	10415933	STOOD OFF

BOREHOLE PROFILE

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

Updates: 1 Patches: 3

Plotted: Mon Oct 6 07:56:20 2014

PARAMETER AND FILTER SUMMARY REPORT

File: /dat1a/90614J/n970b~06.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 1400.750 ft BOTTOM DEPTH: 7829.553 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR MED RES	FILTER ()	medium (1)		TOP	BOTTOM
CALIPER	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
SP-SPDH	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	4.500	in	TOP	BOTTOM
X-Y COMBINED CALIPER PROCESSING-FOCUS	X-Y Caliper - FOCUS	Average		"	"
BIT SIZE	BIT SIZE	7.875	in	"	"

ACCELERATION PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION ON		TOP	BOTTOM

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Oct 6 04:53:04 2014	BIT SIZE
F1:BVOL	Oct 6 04:53:04 2014	BOREHOLE VOLUME
F1:CALX	Oct 6 04:53:04 2014	CALIPER FROM X-AXIS OF XY CALIPER(S)
F1:CALY	Oct 6 04:53:04 2014	CALIPER FROM Y-AXIS OF XY CALIPER(S)
F1:CVOL	Oct 6 04:53:04 2014	CEMENT VOLUME
F1:GR	Oct 6 04:53:04 2014	GAMMA RAY
F1:SP	Oct 6 04:53:04 2014	SPONTANEOUS POTENTIAL
F1:TEN	Oct 6 04:53:04 2014	DIFFERENTIAL TENSION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	CALY	18.00	SP	1.25		

CALX

31.62

GR

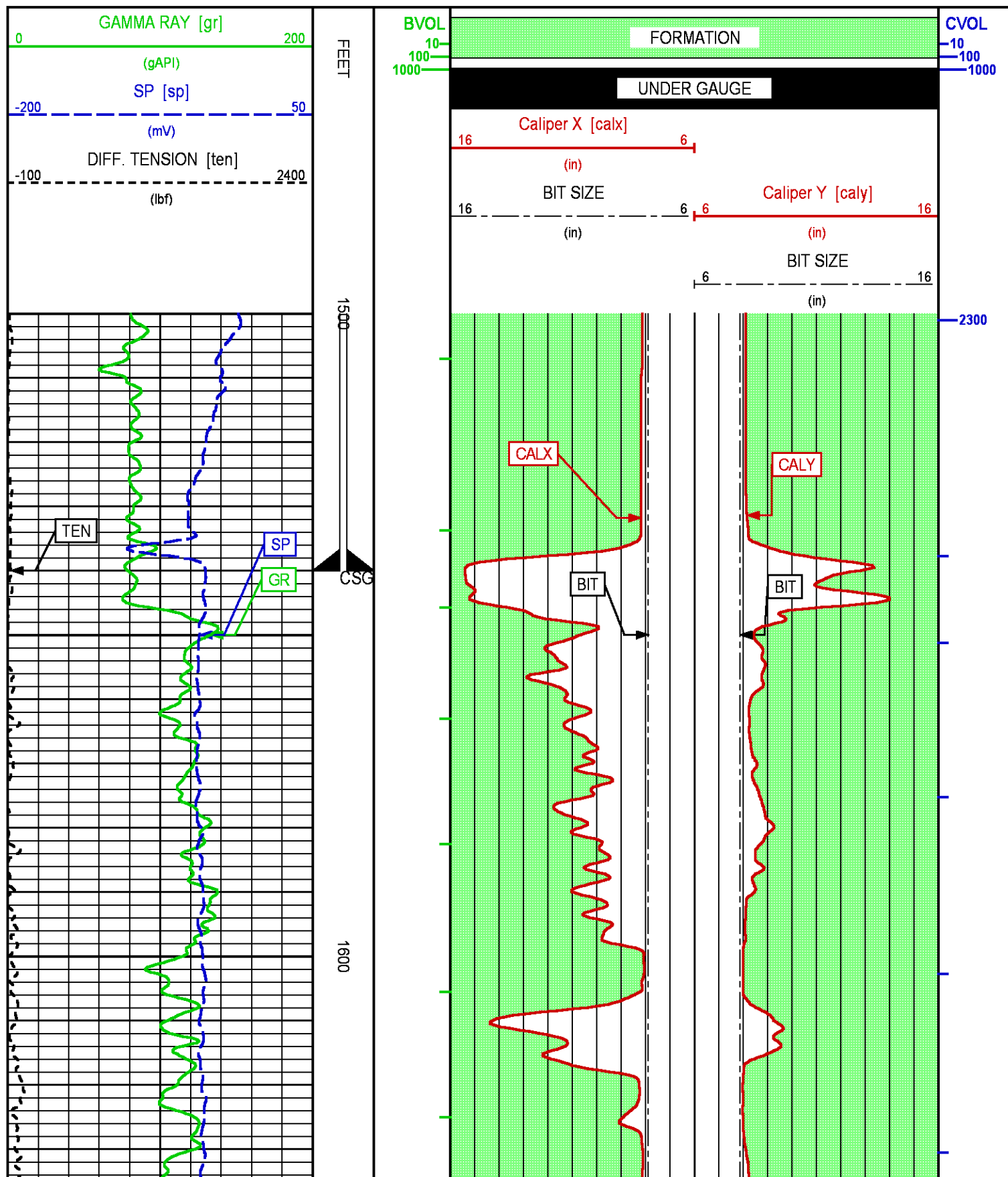
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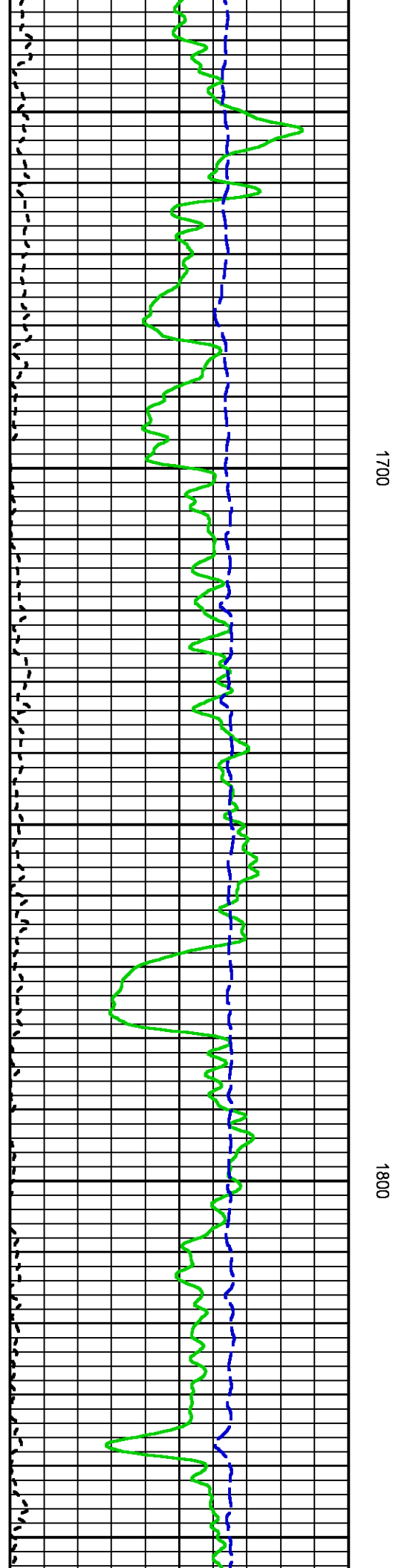
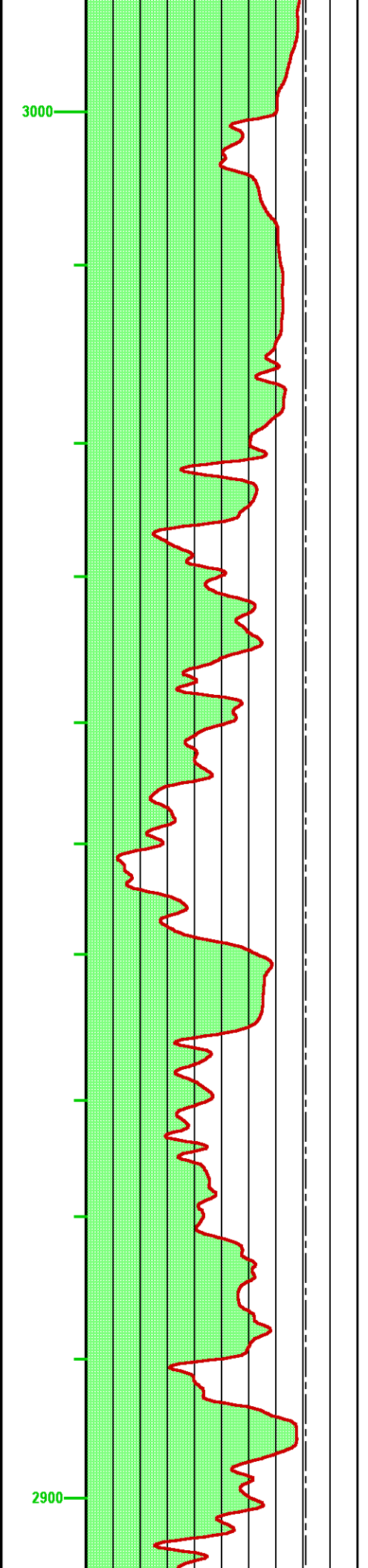
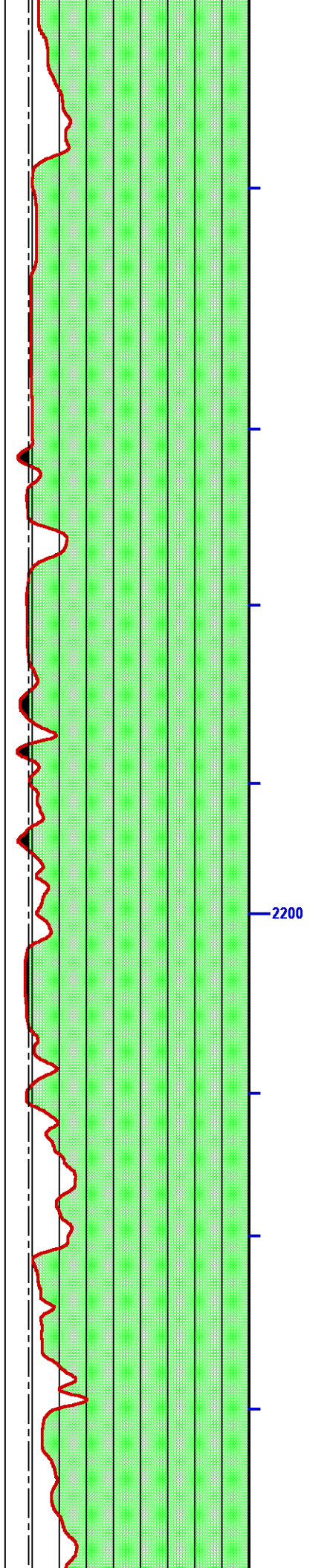
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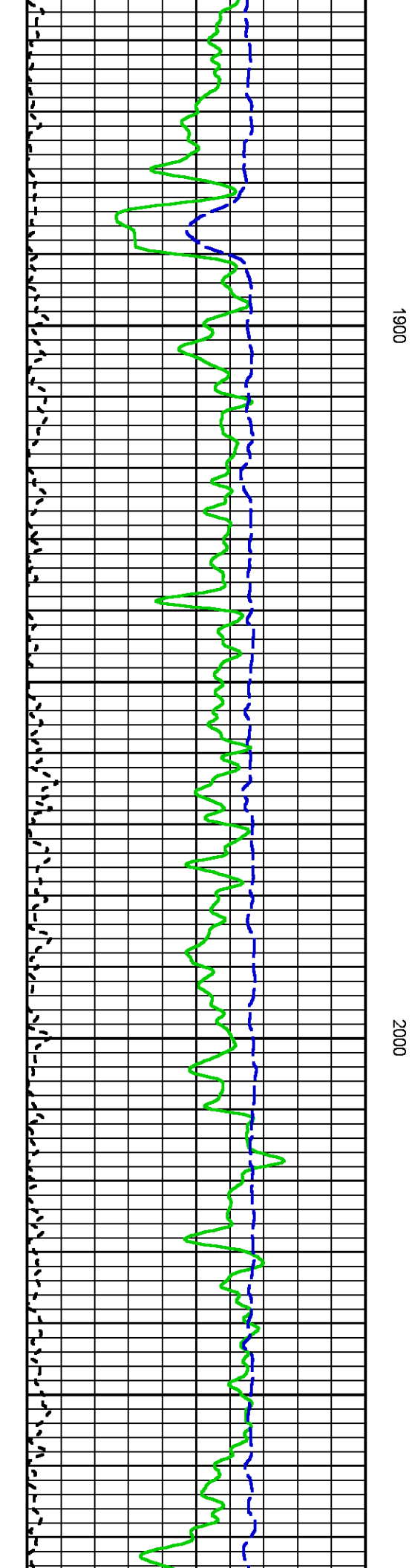
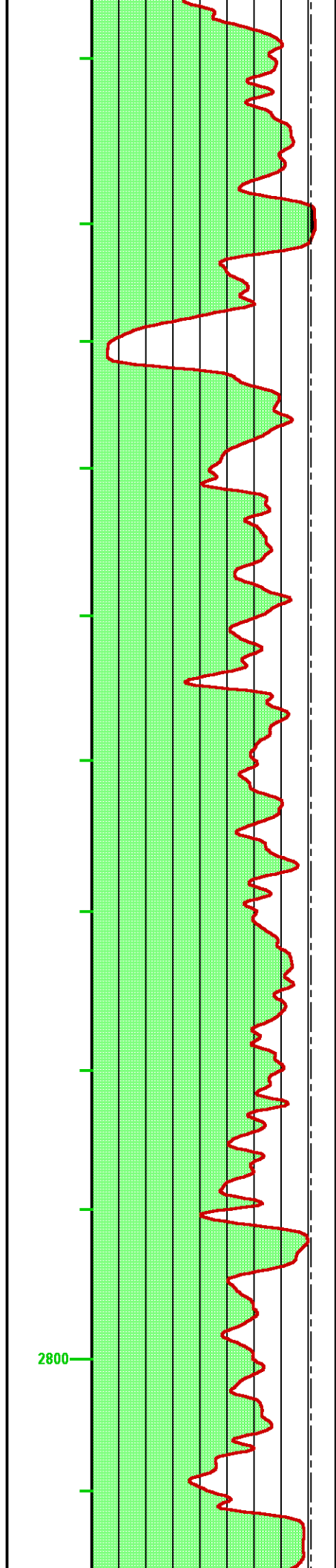
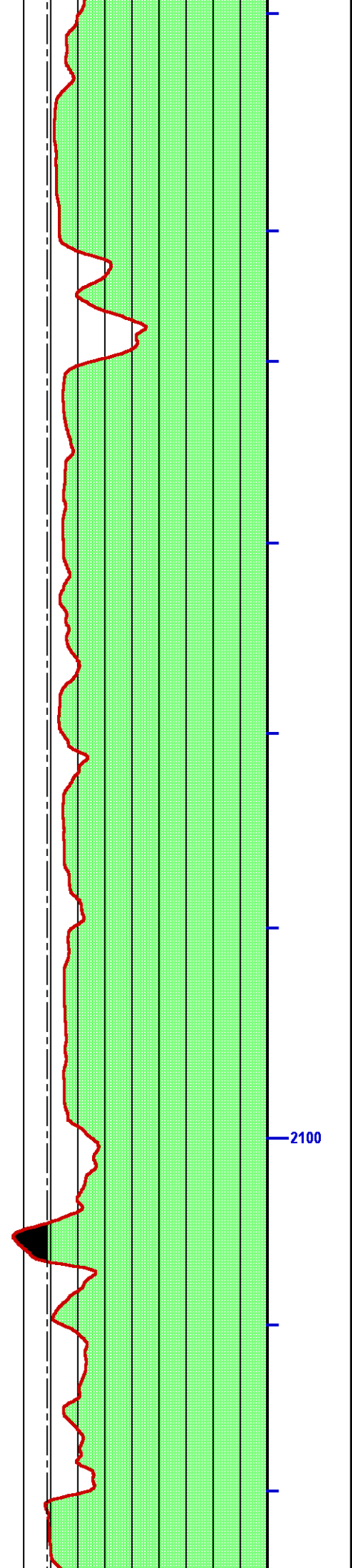
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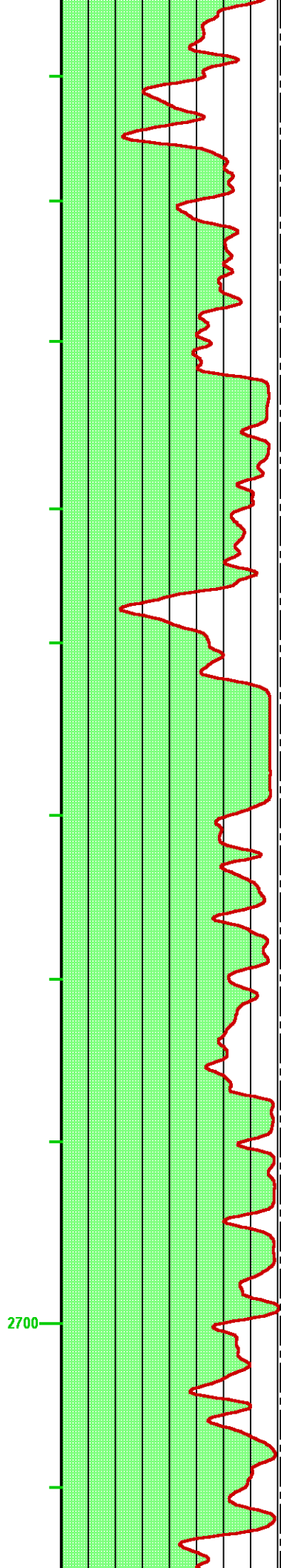
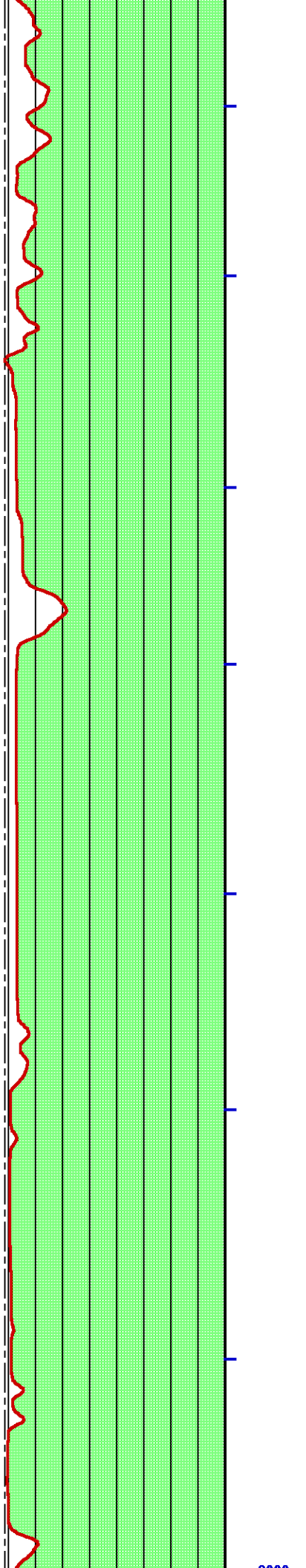
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Plot Interval : 1500 - 8520 Feet

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Company : LARAMIE ENERGY
Well : SUP & SHEP FEDERAL 25-11M
Field : VEGA
File Interval : -2.75 - 8520 Feet
OCT : n970b~





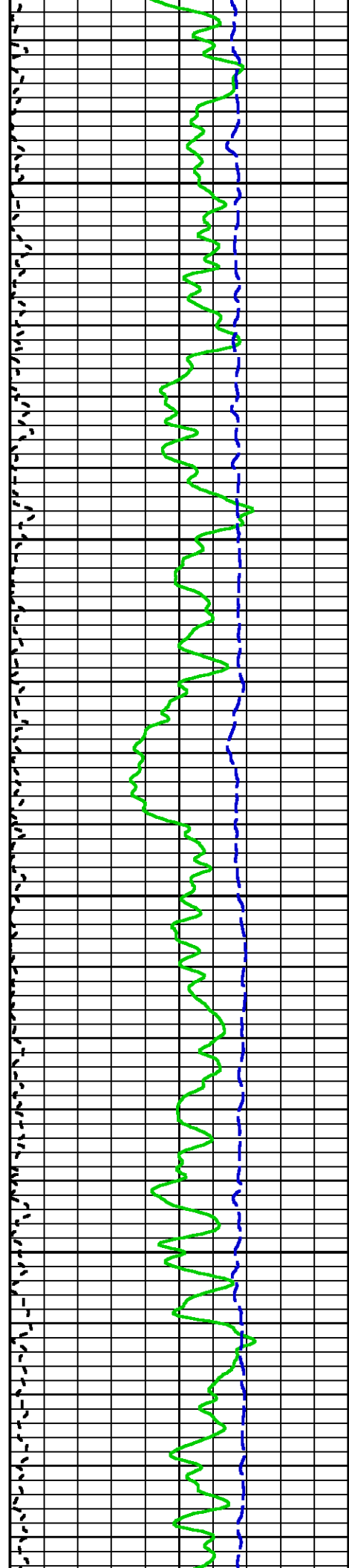


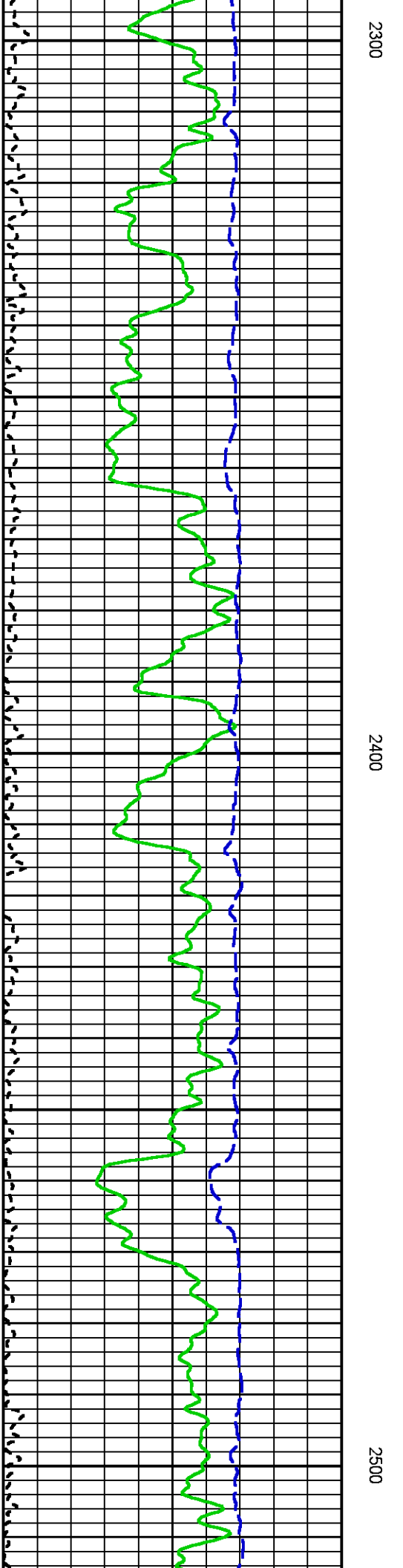
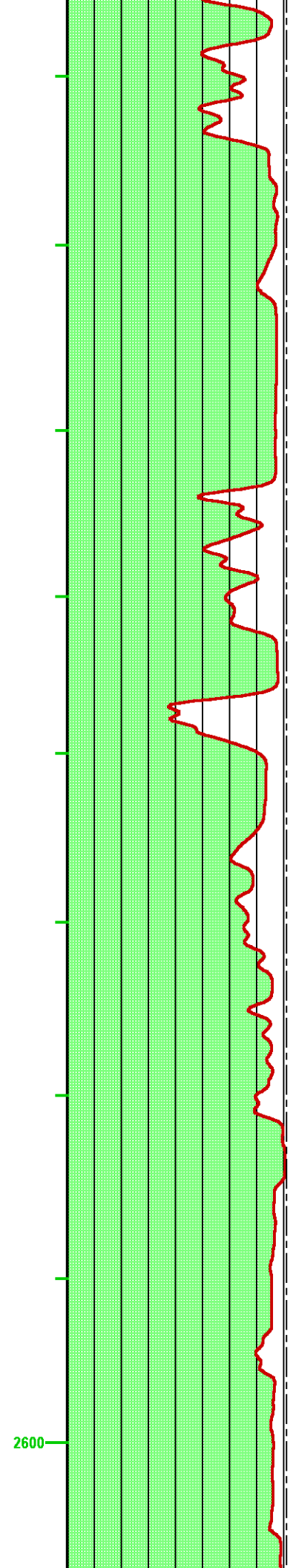
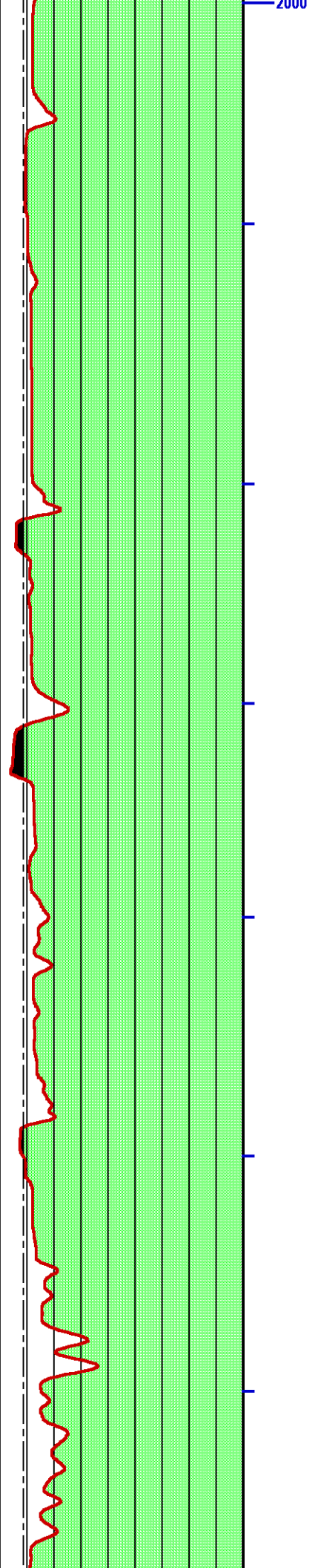


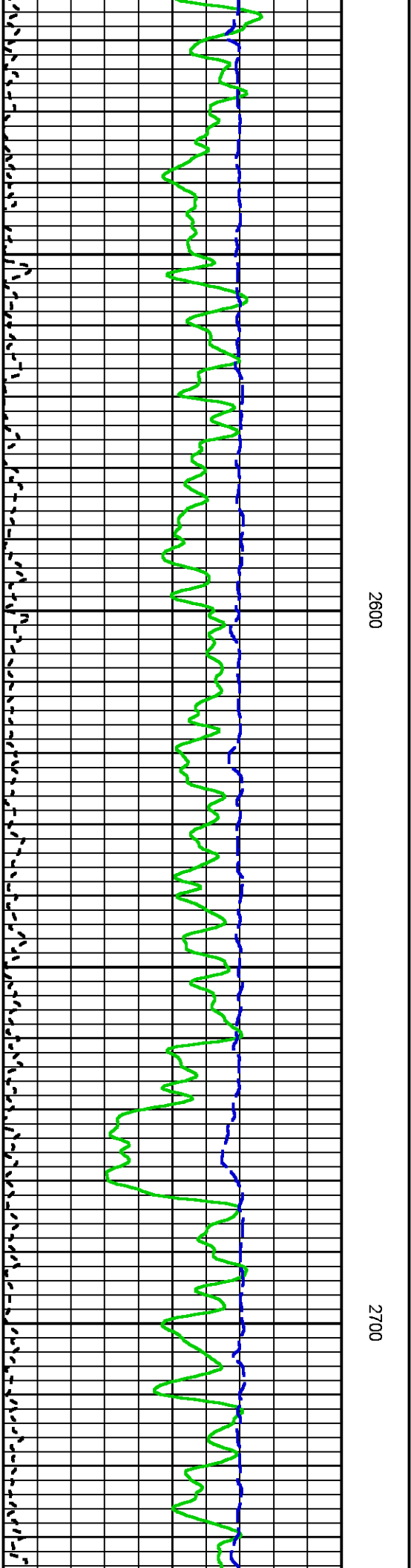
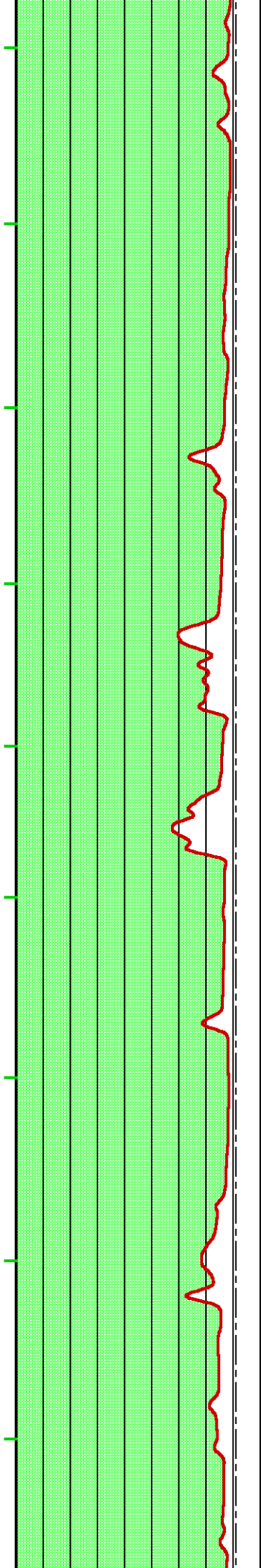
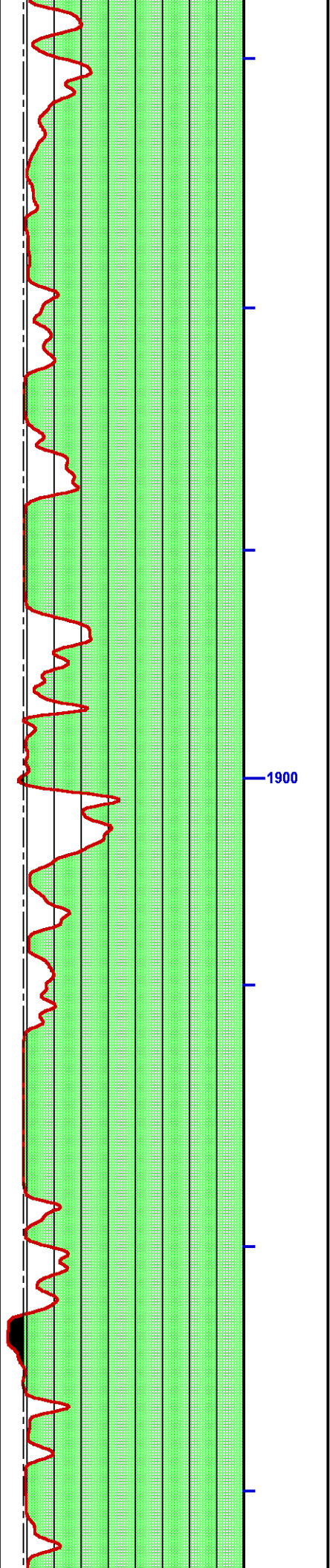
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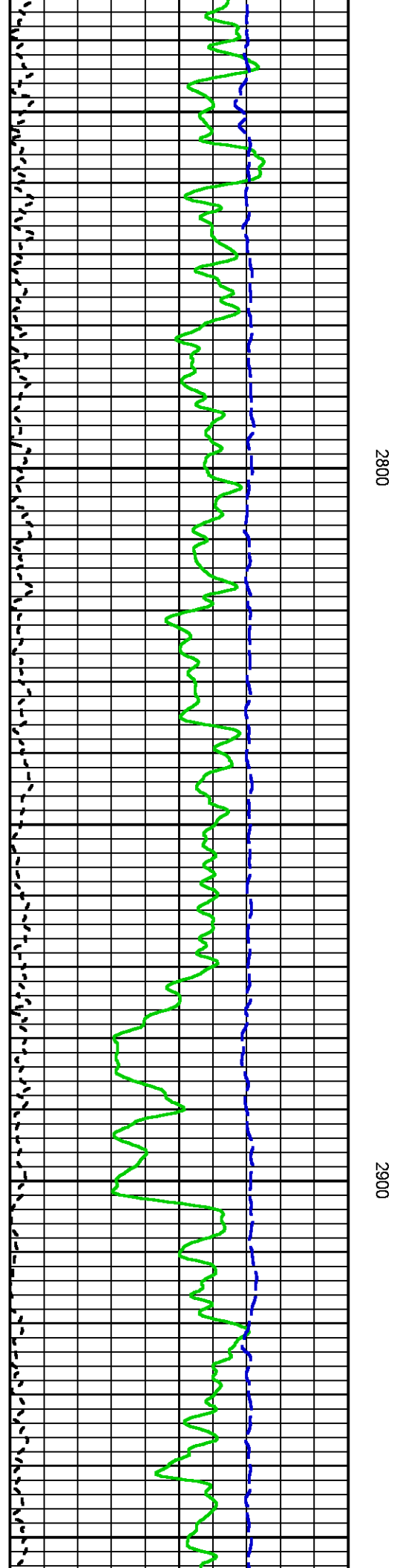
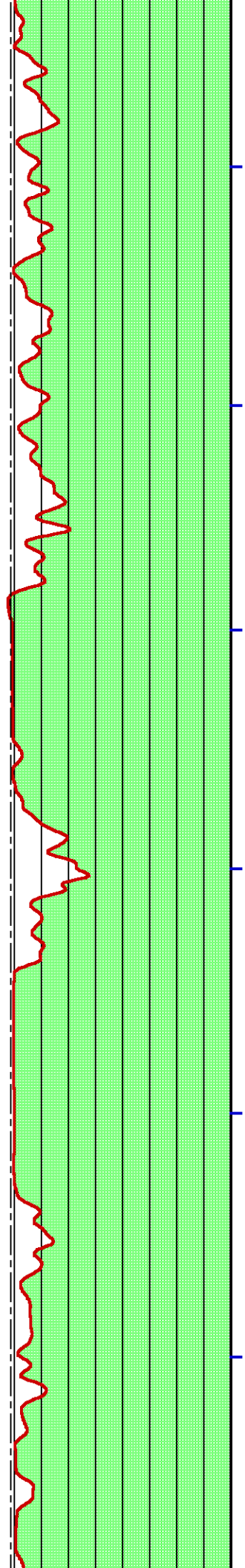
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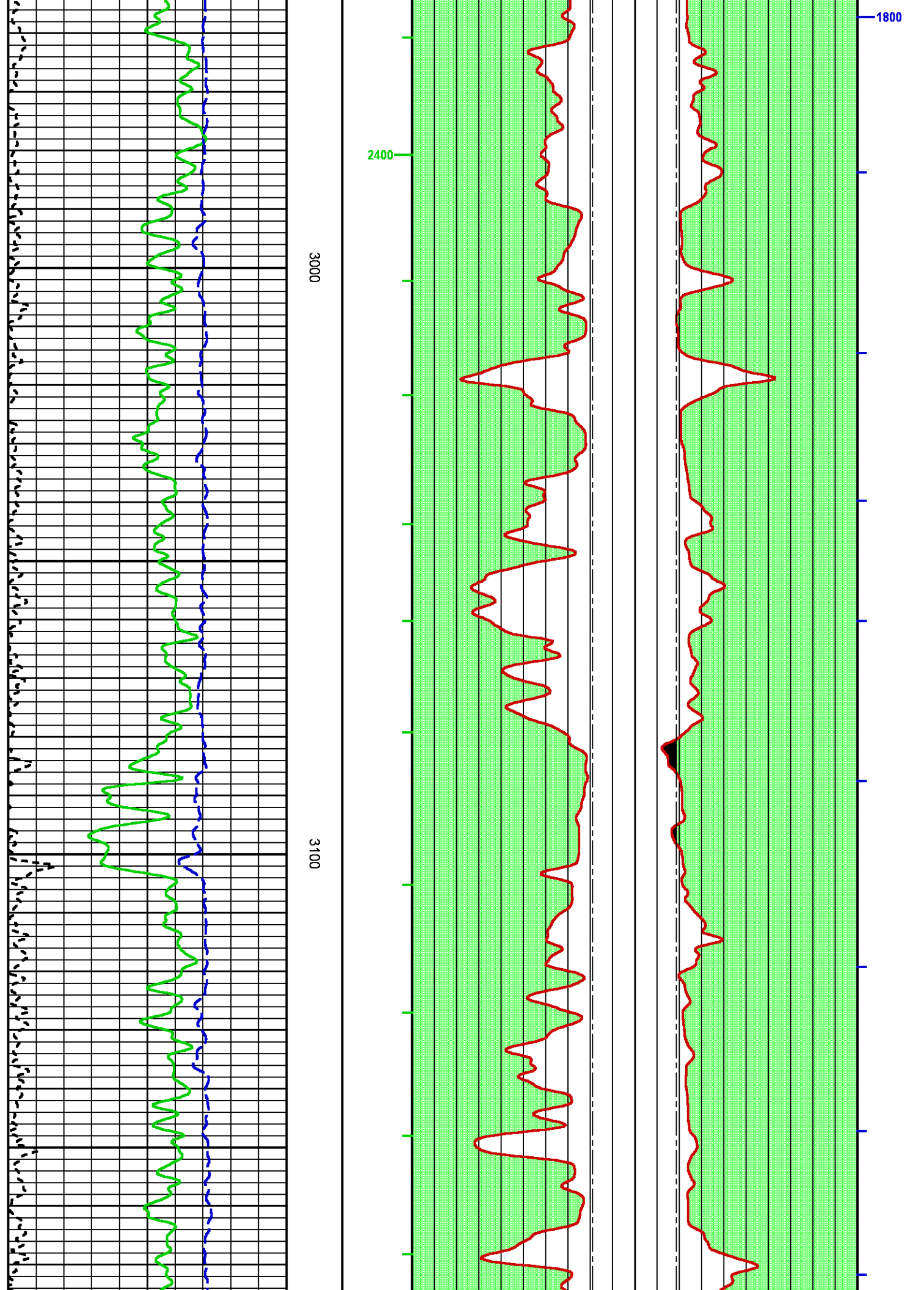
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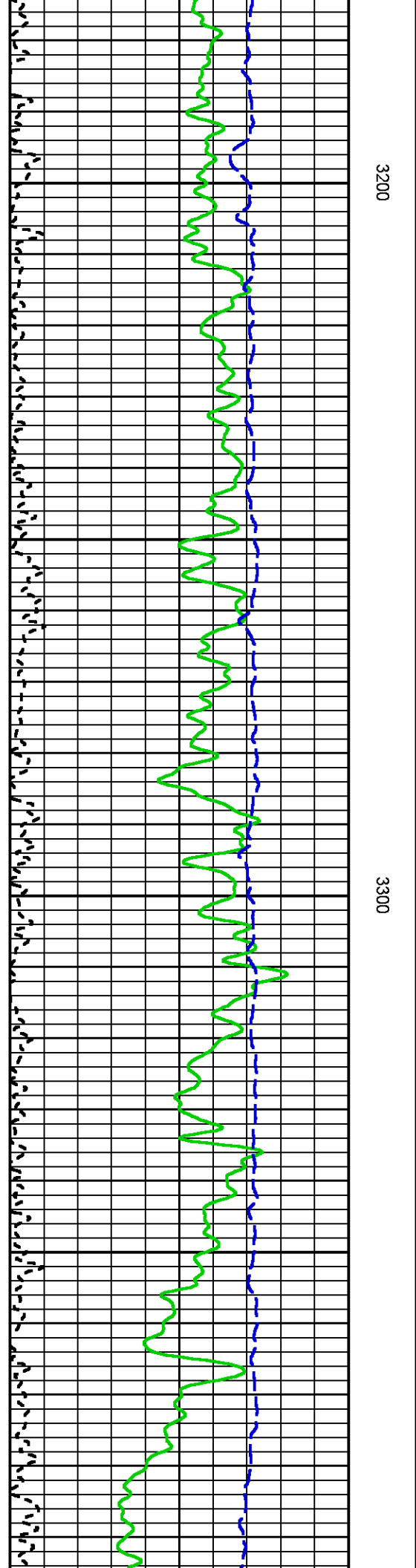
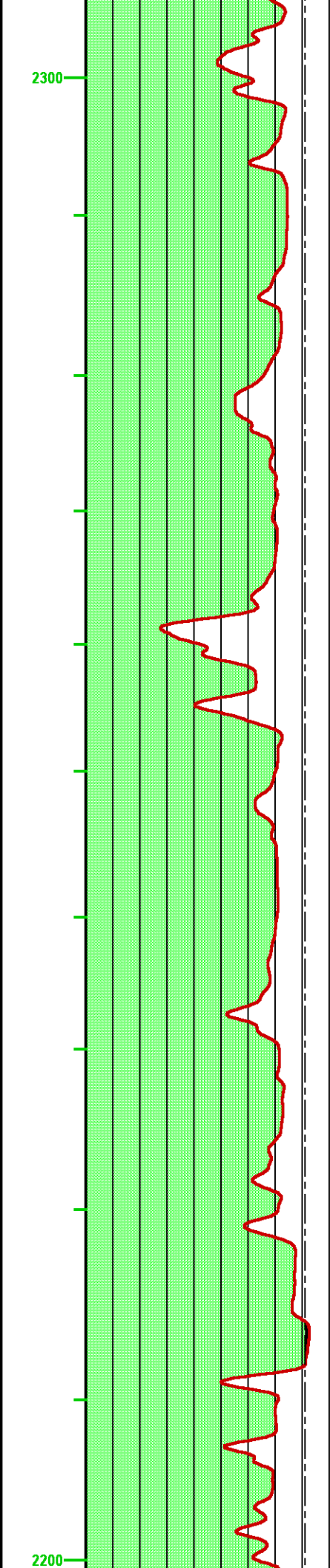
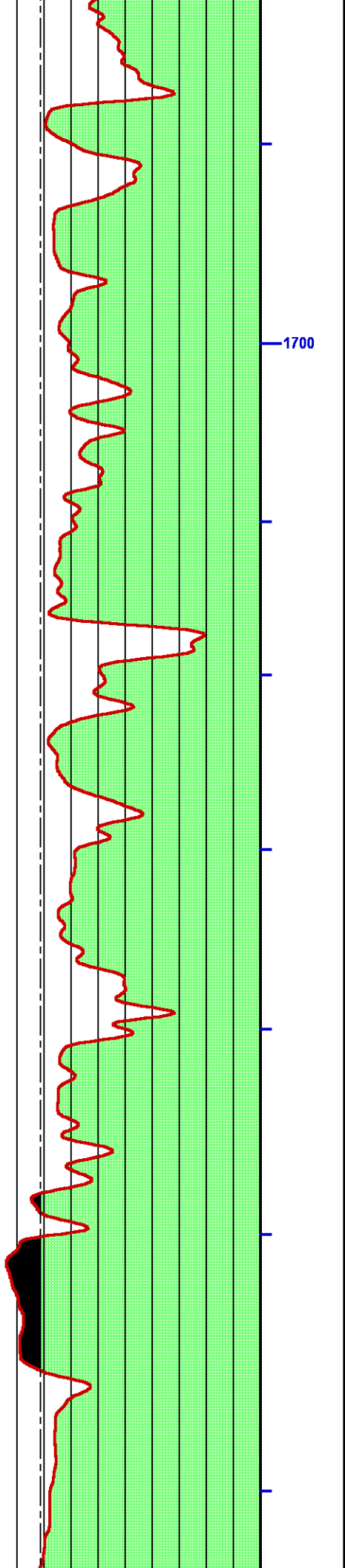


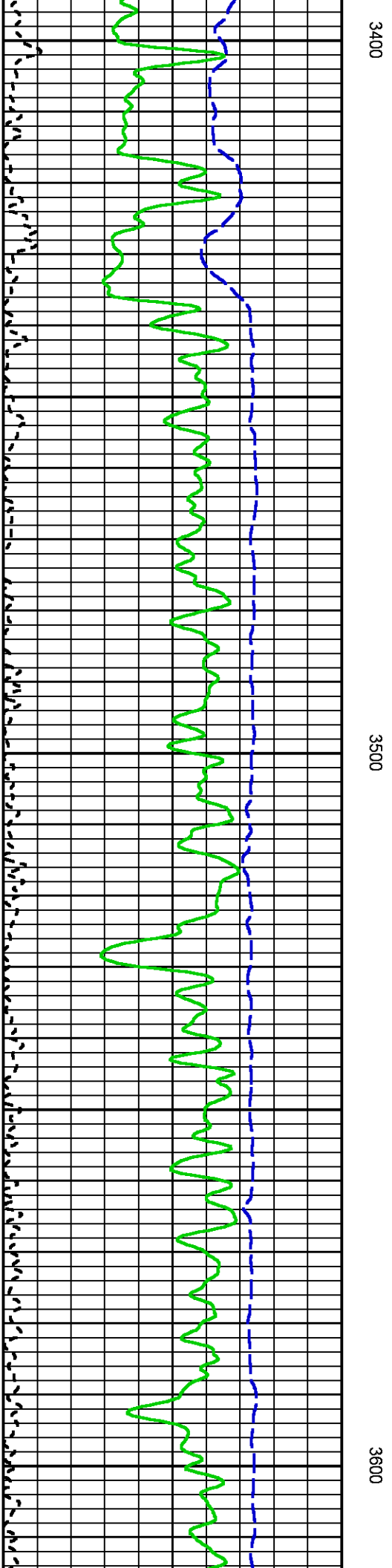
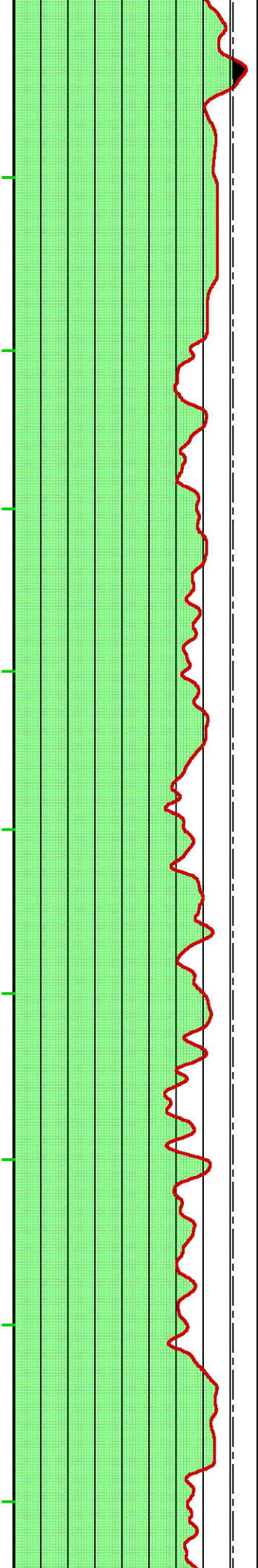
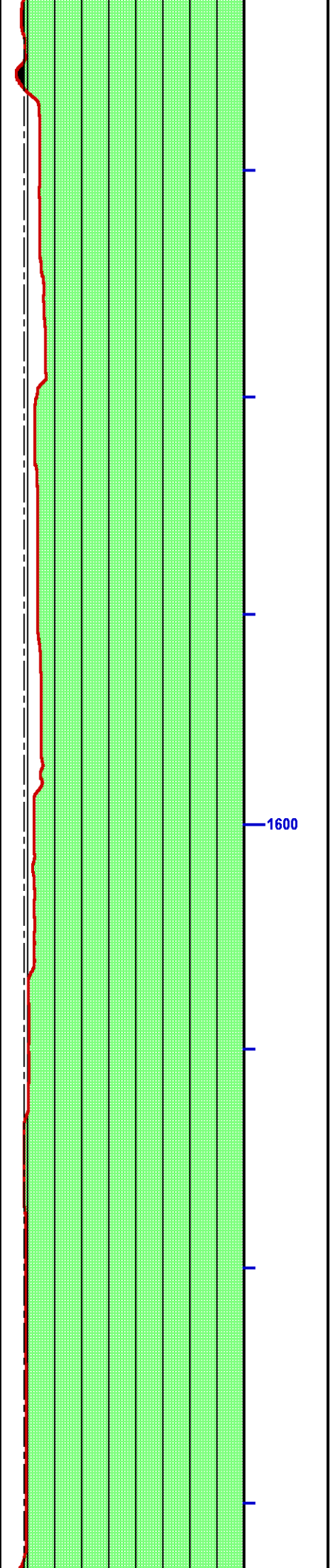


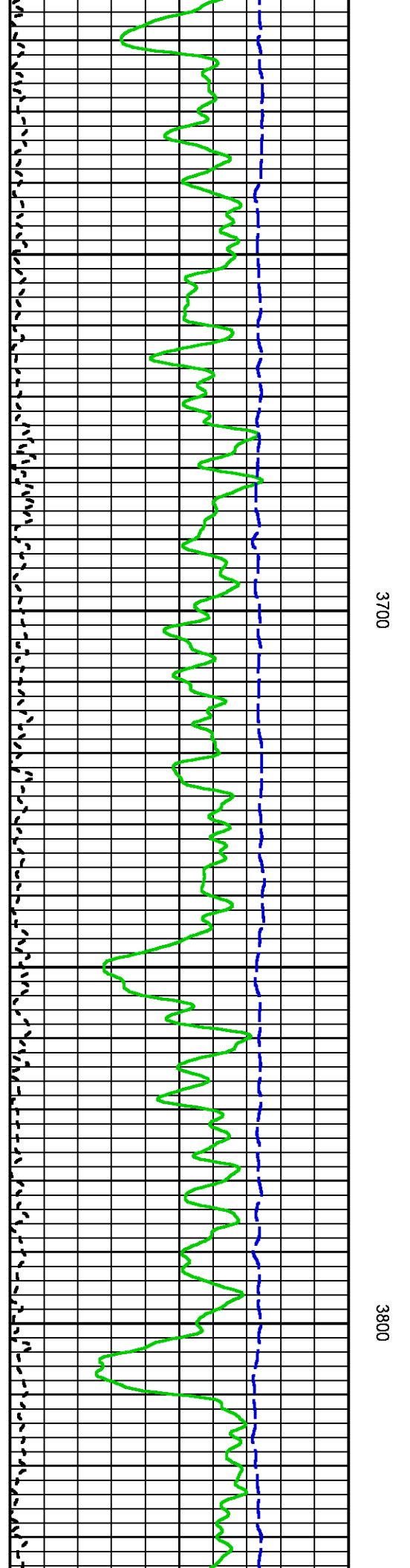
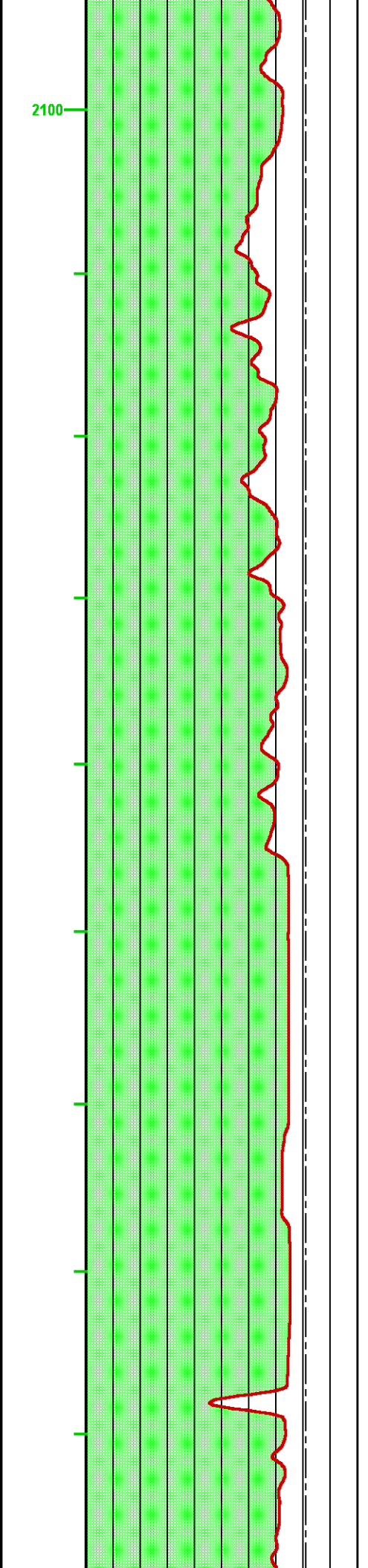
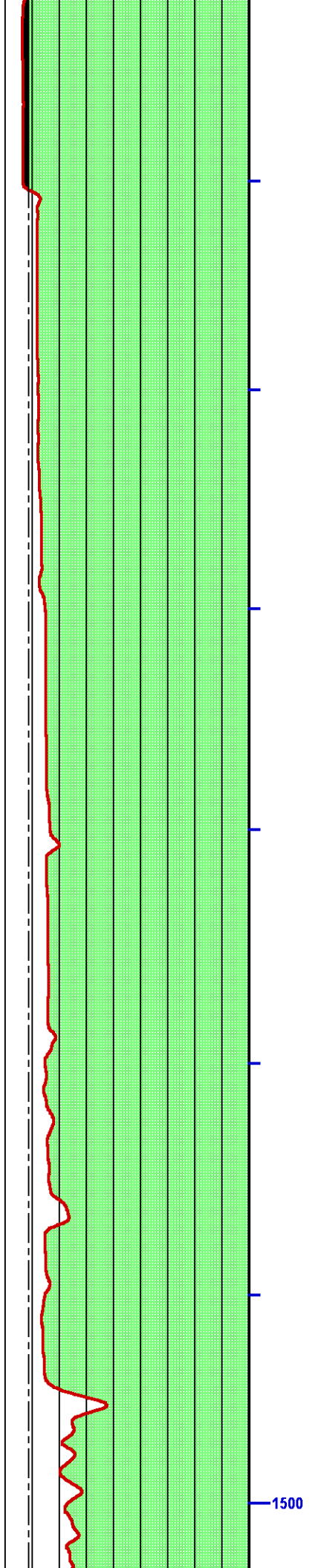


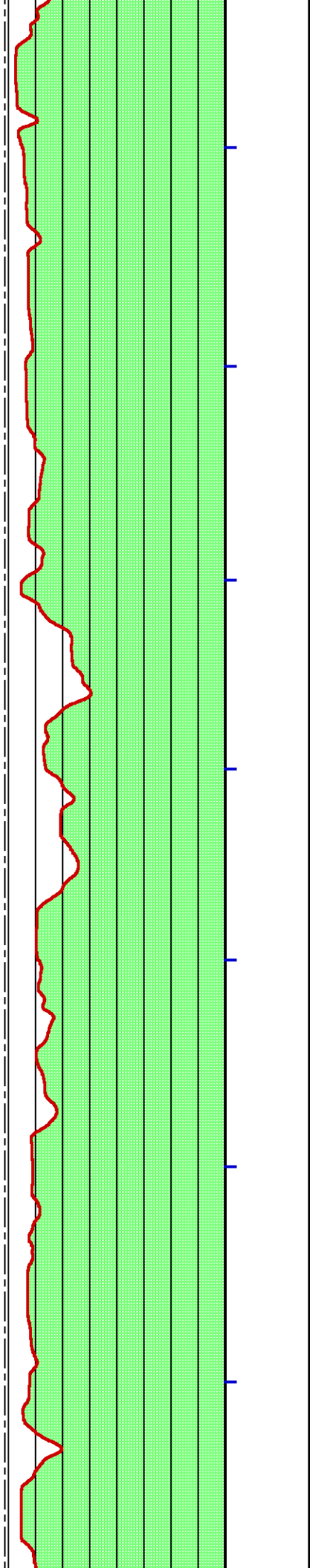






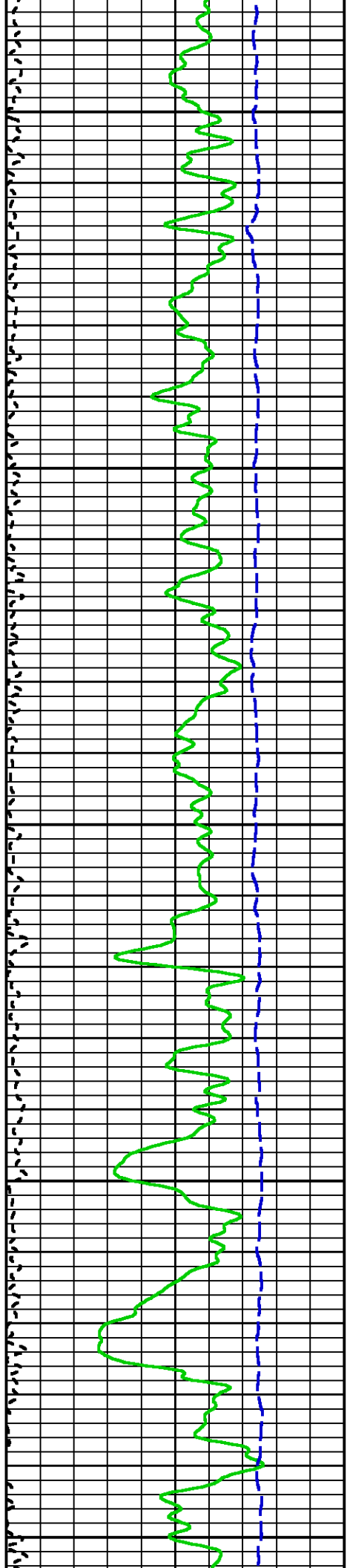


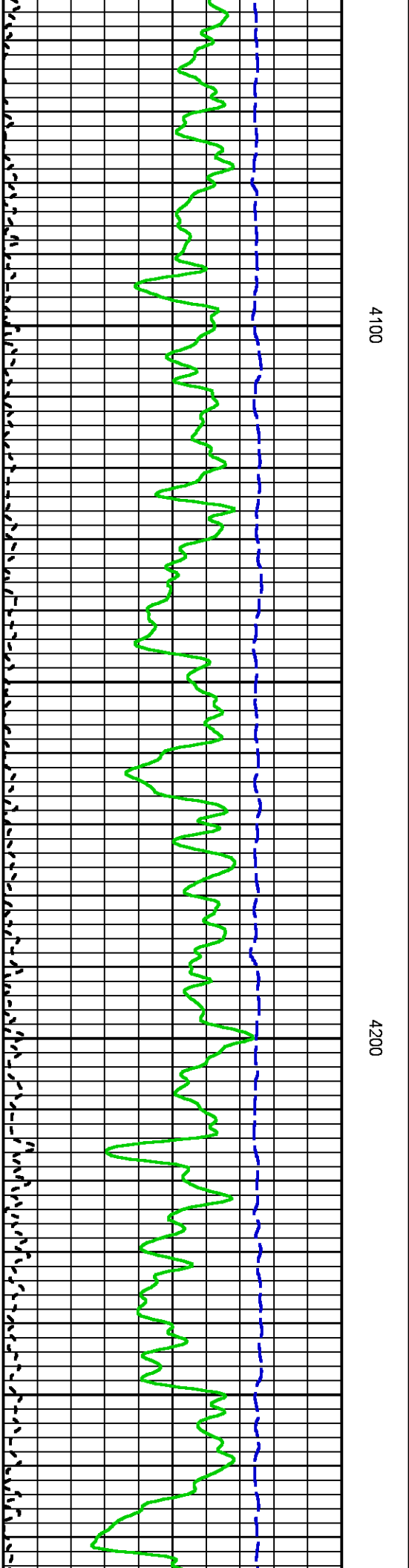
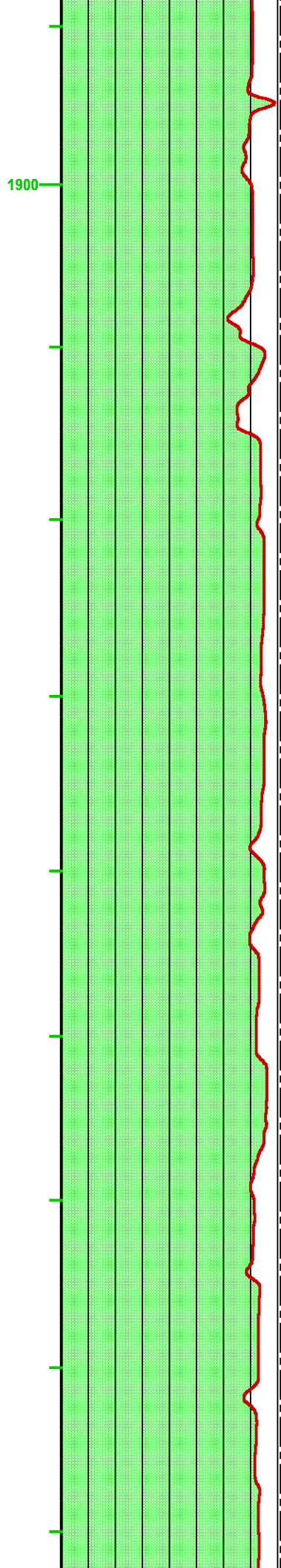
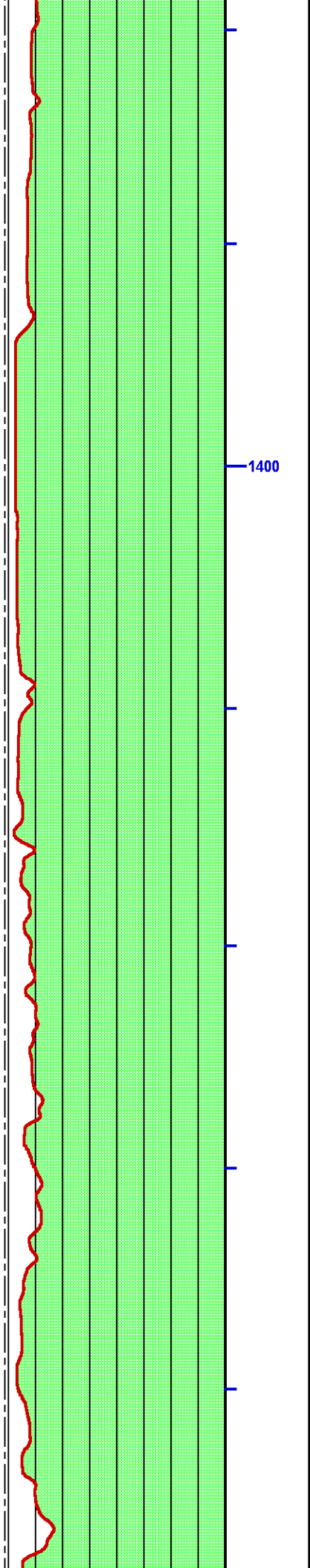


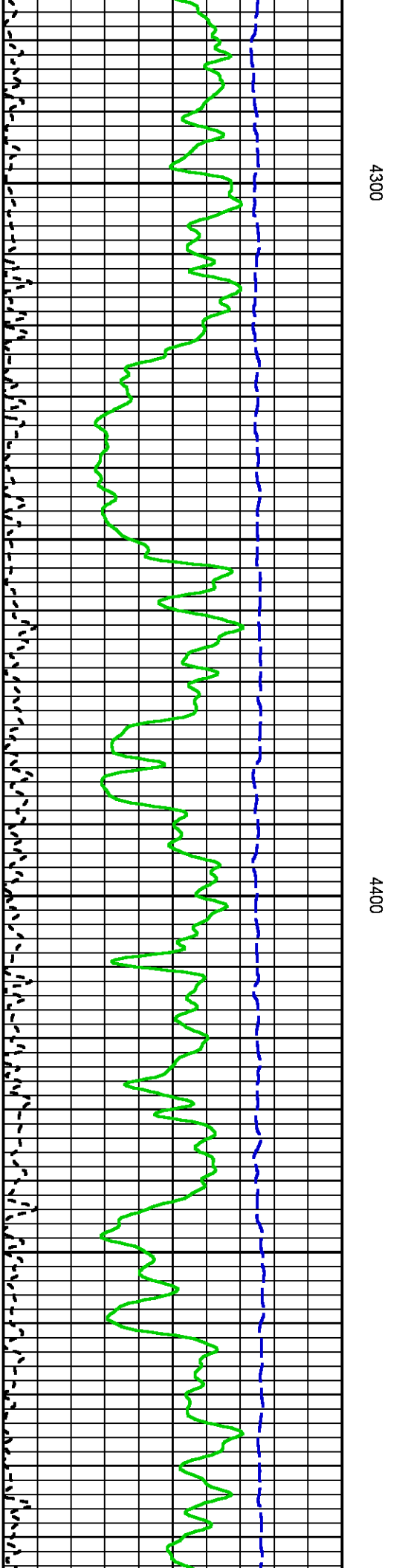
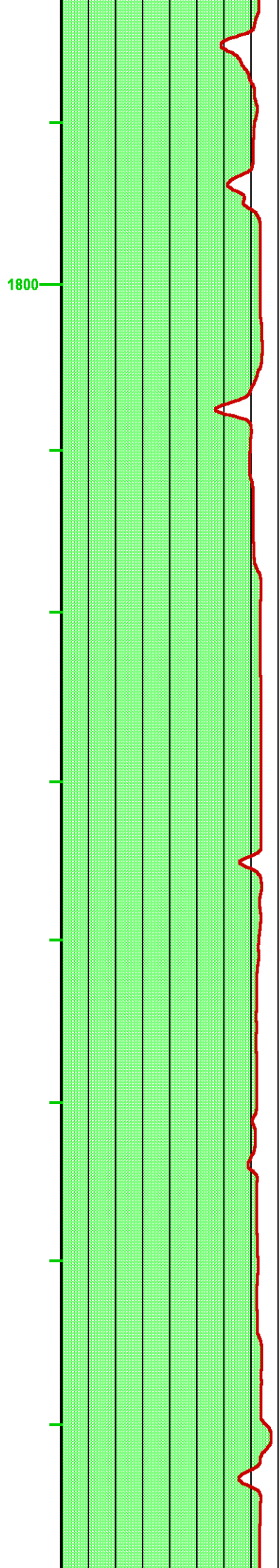
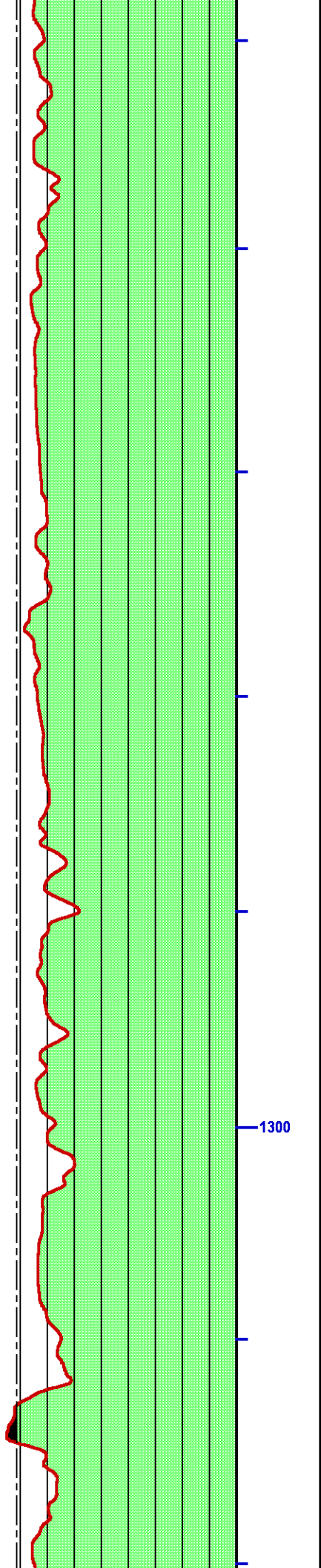


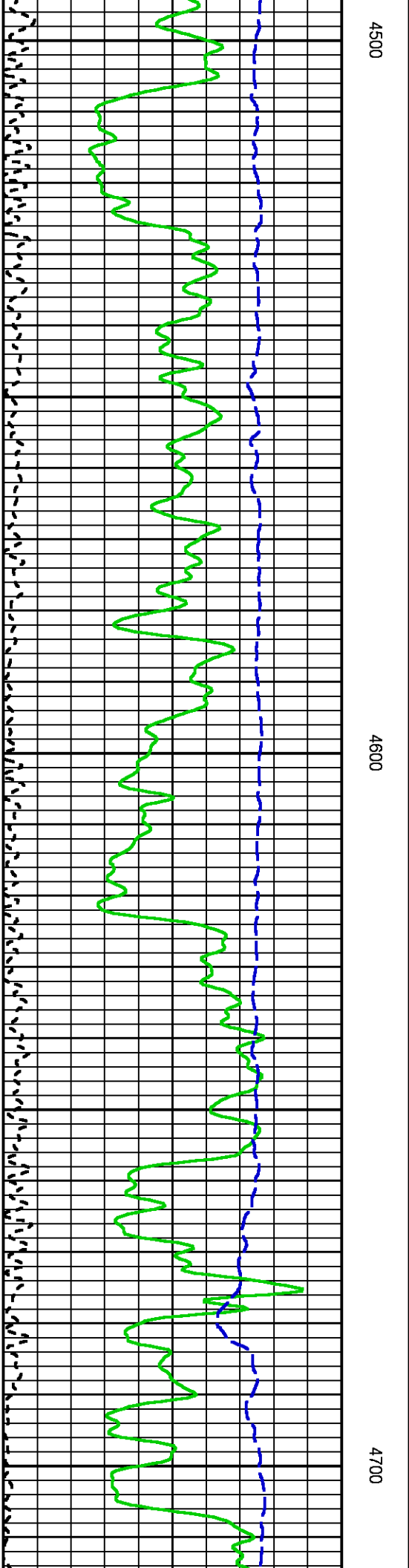
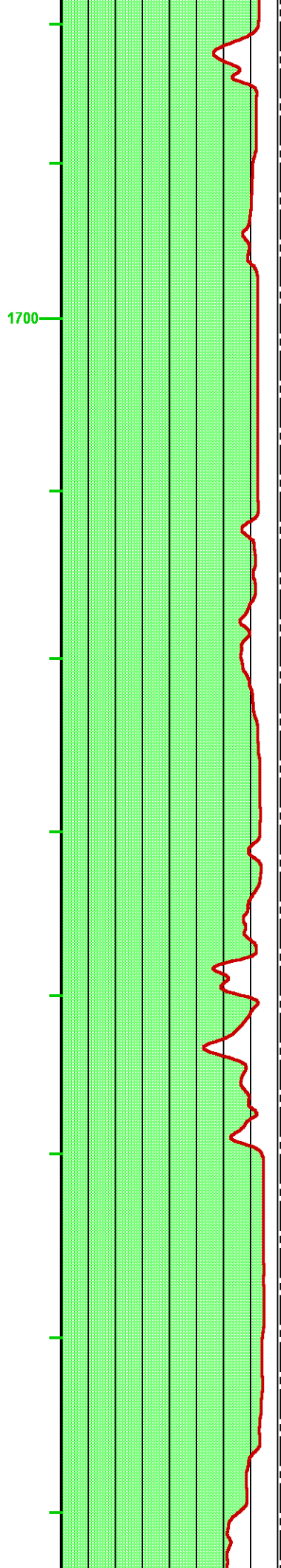
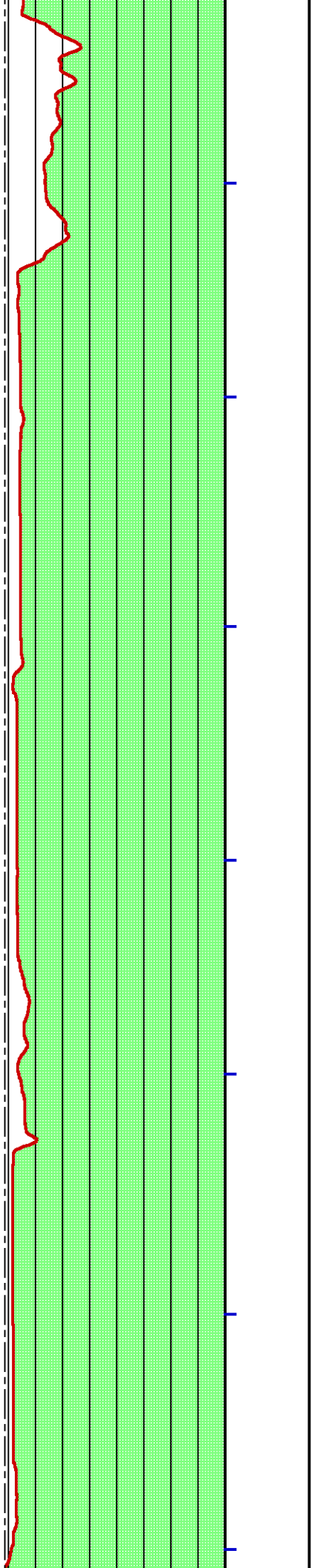
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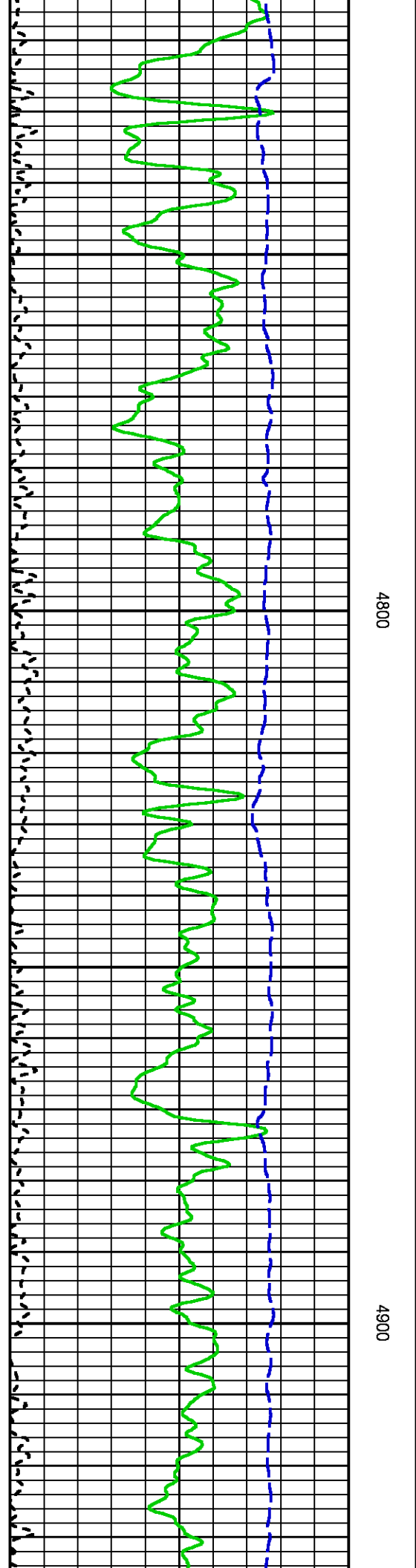
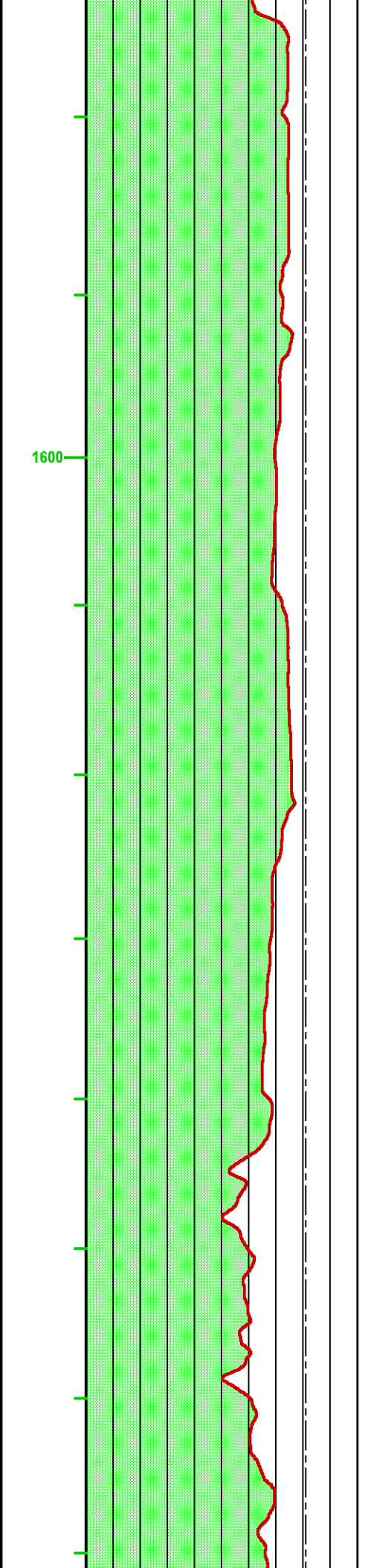
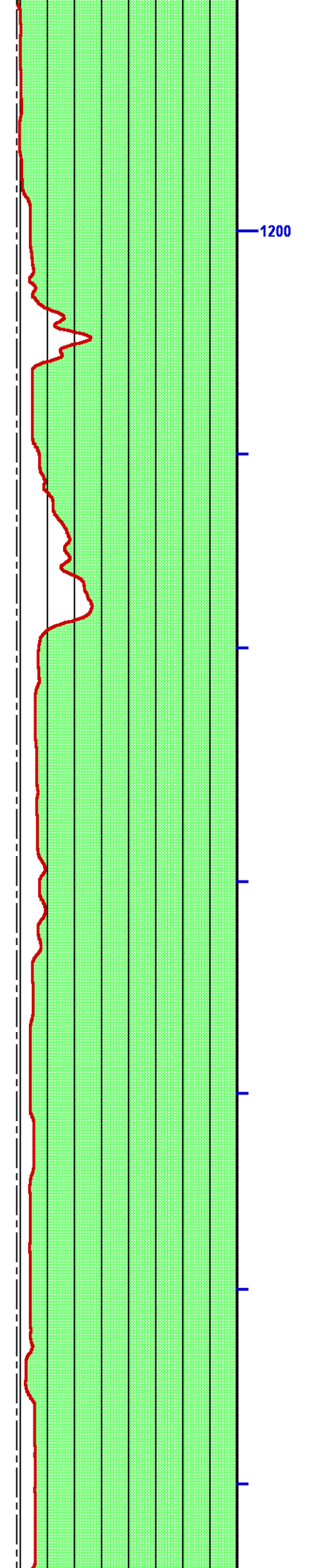
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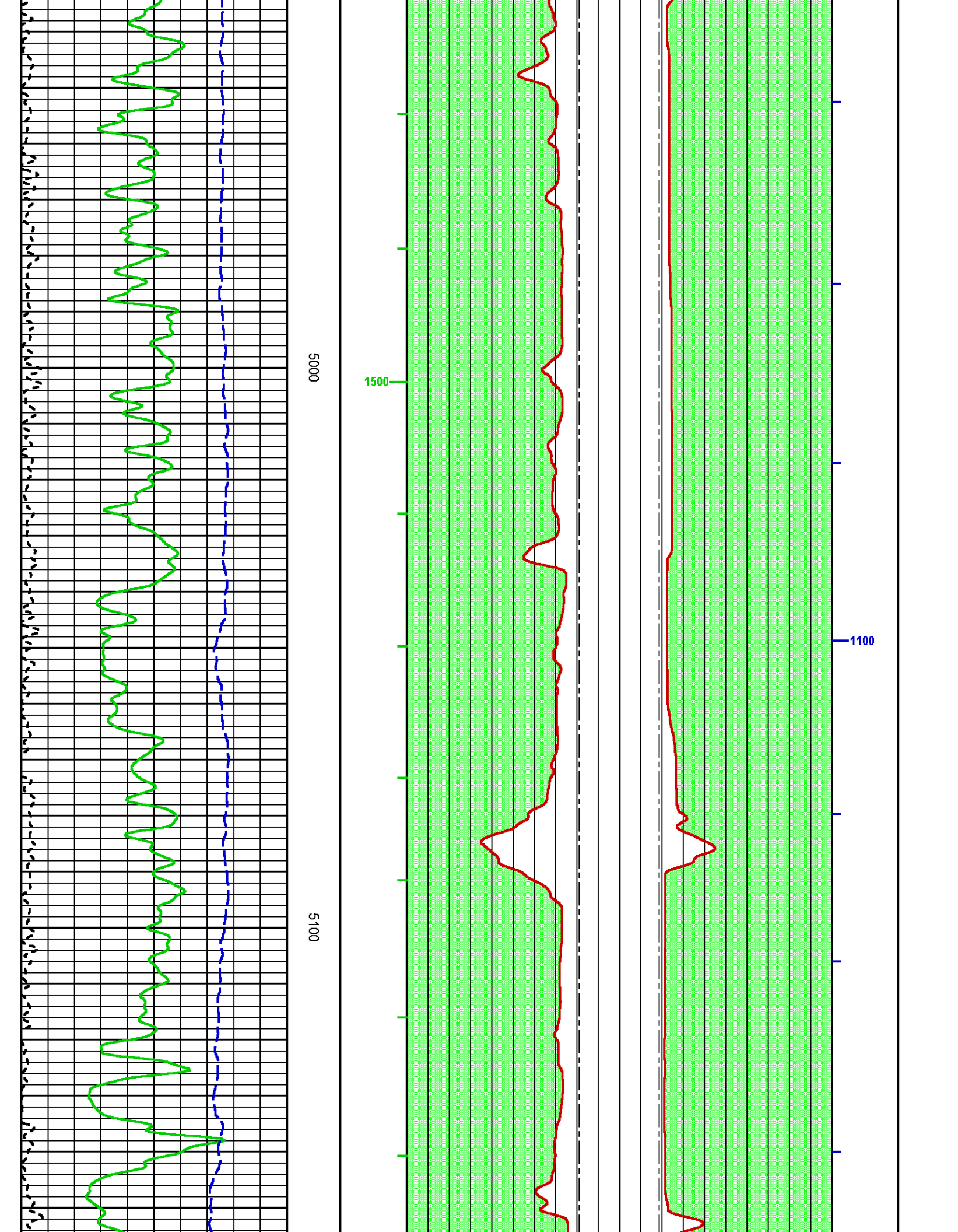


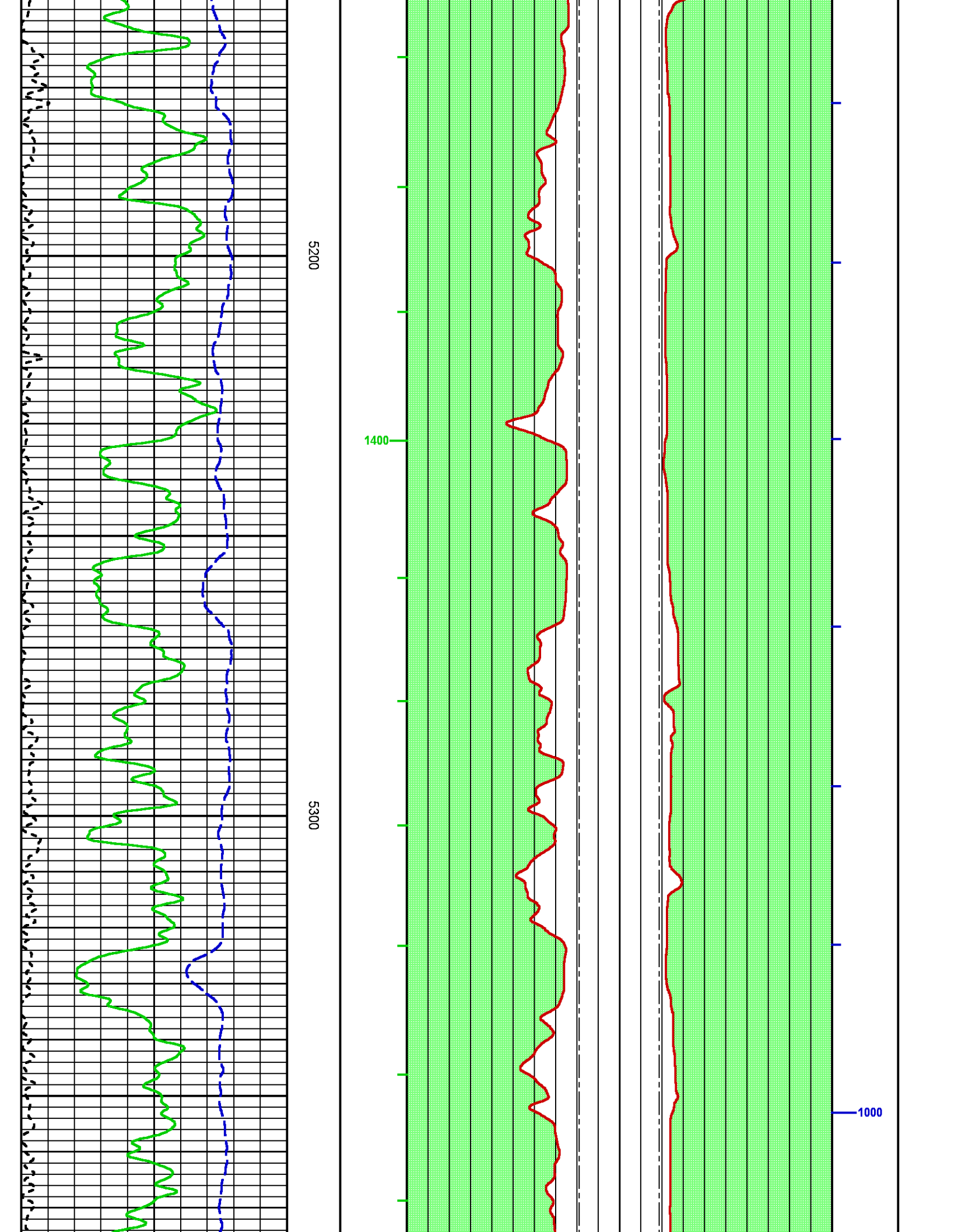


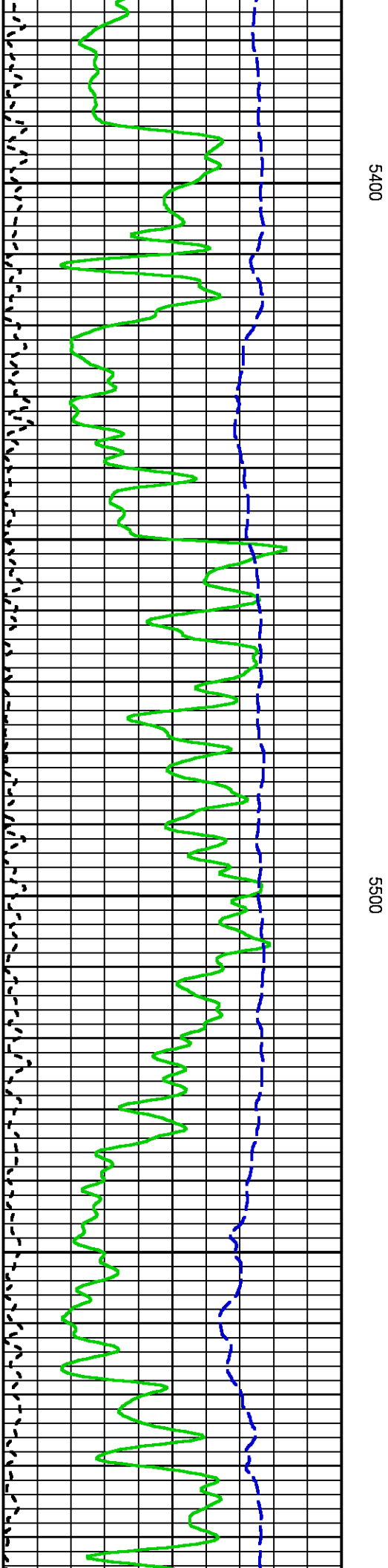
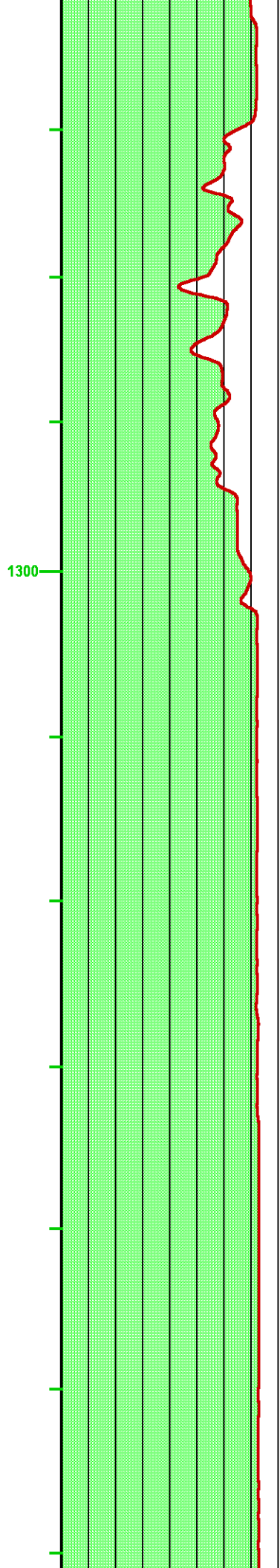
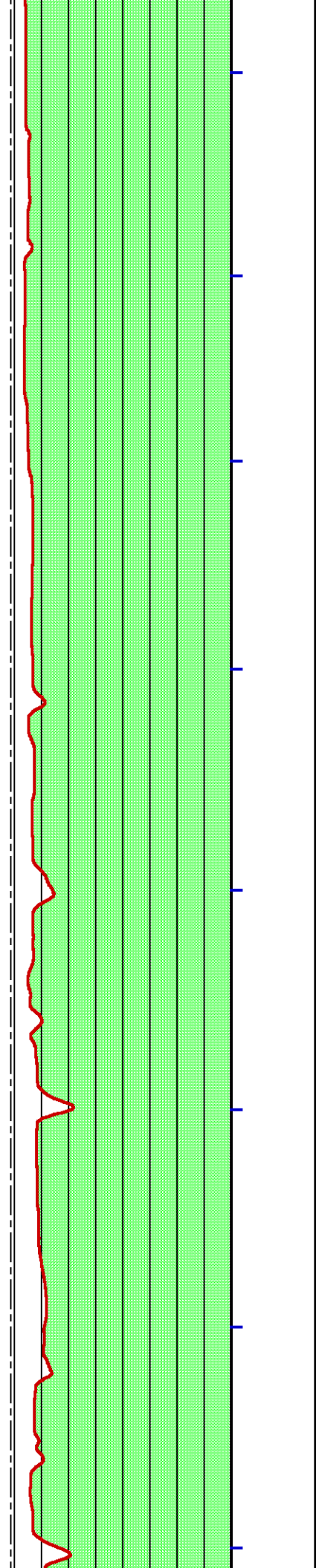


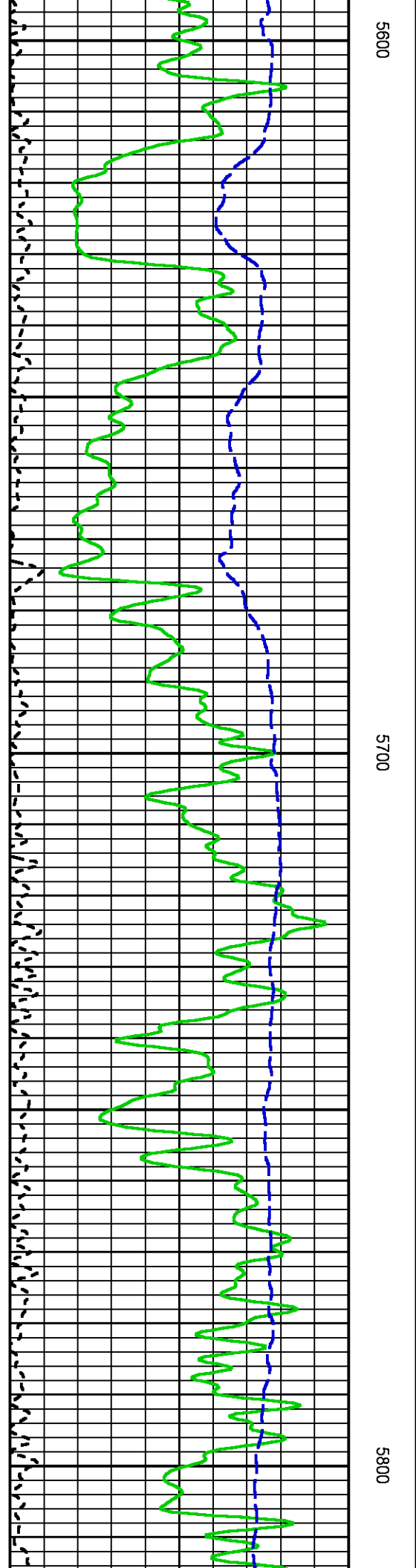
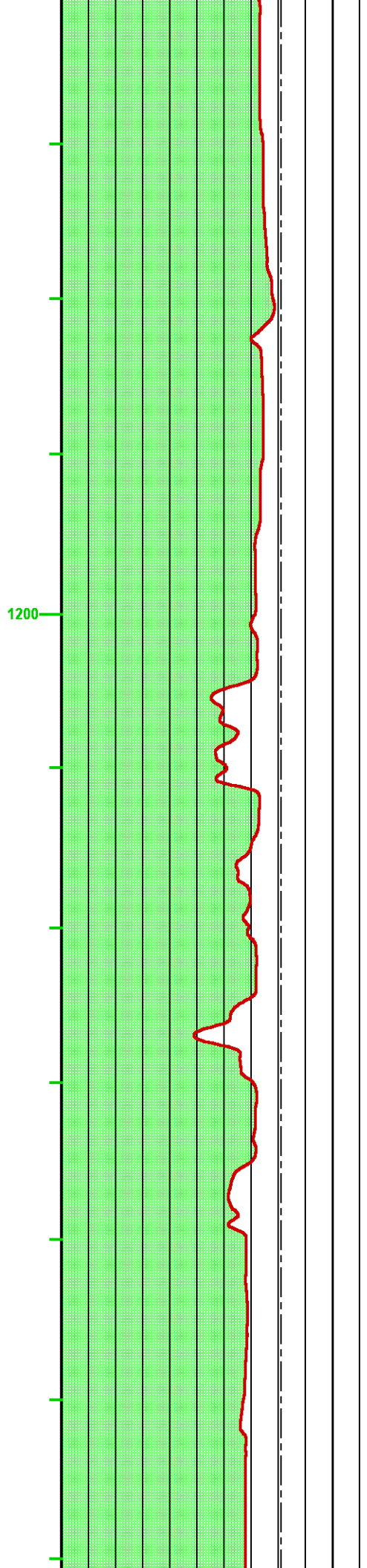
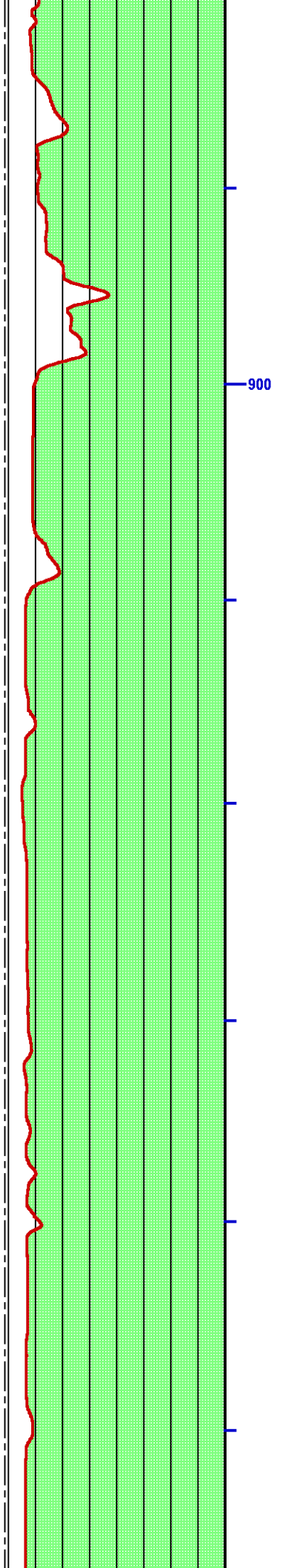


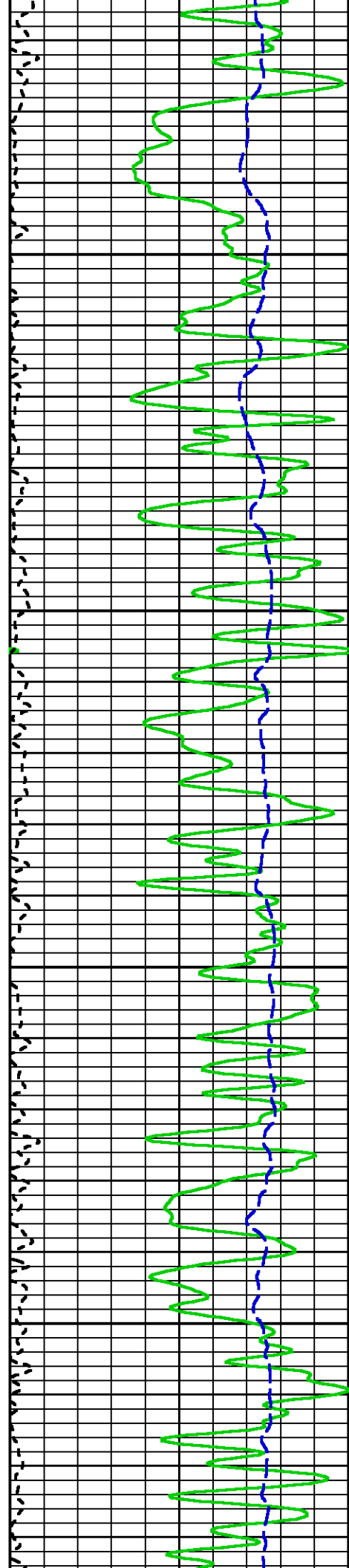








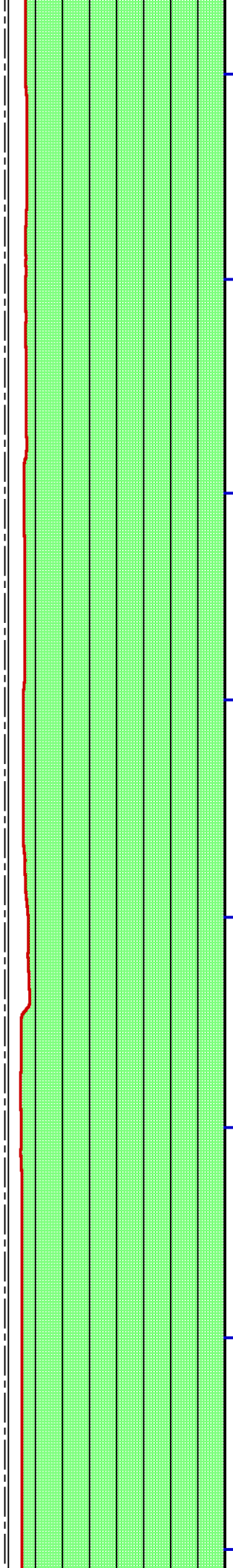
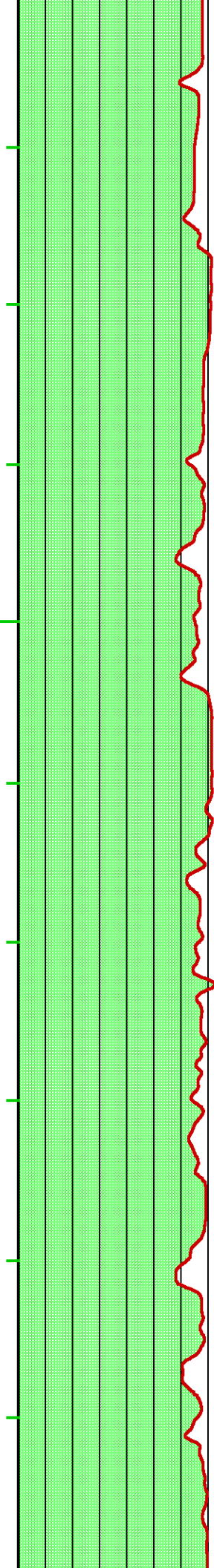




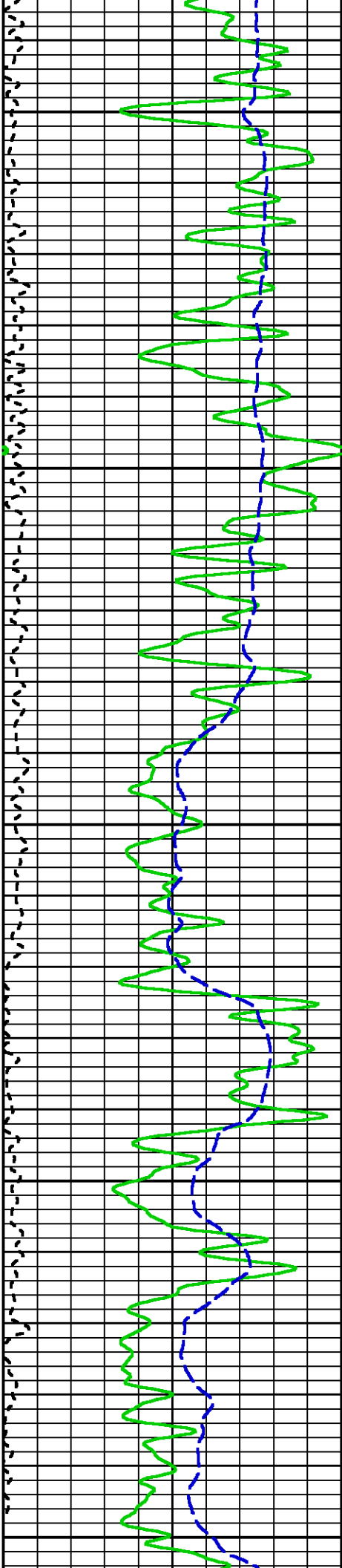
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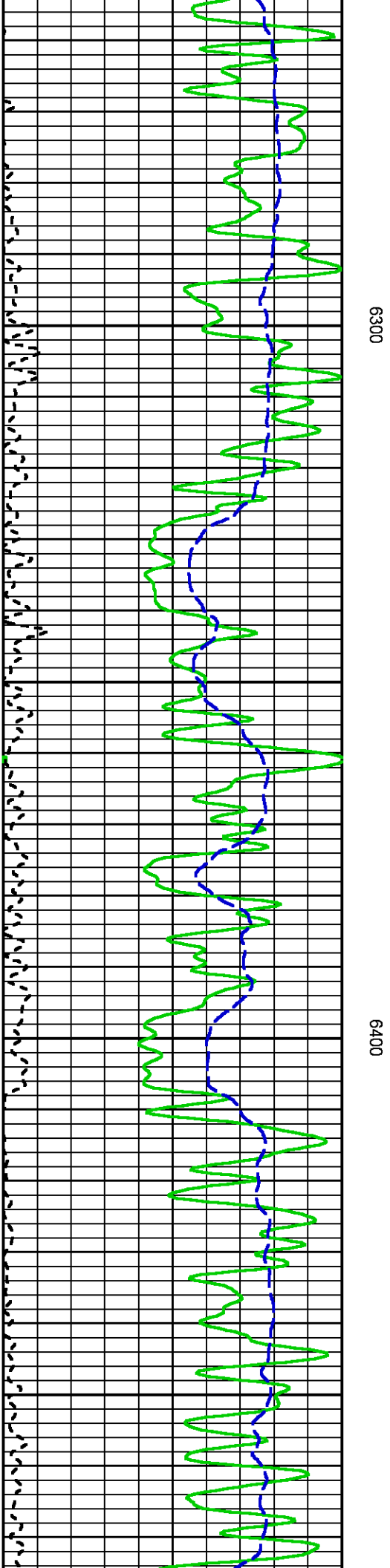
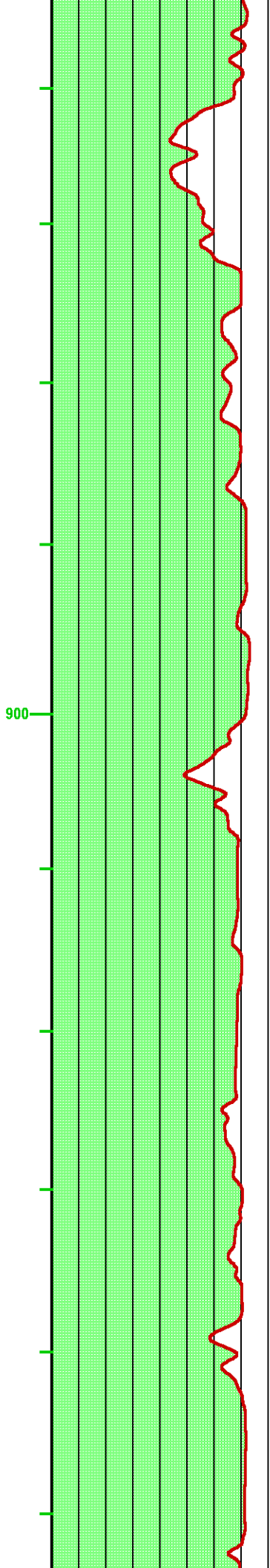
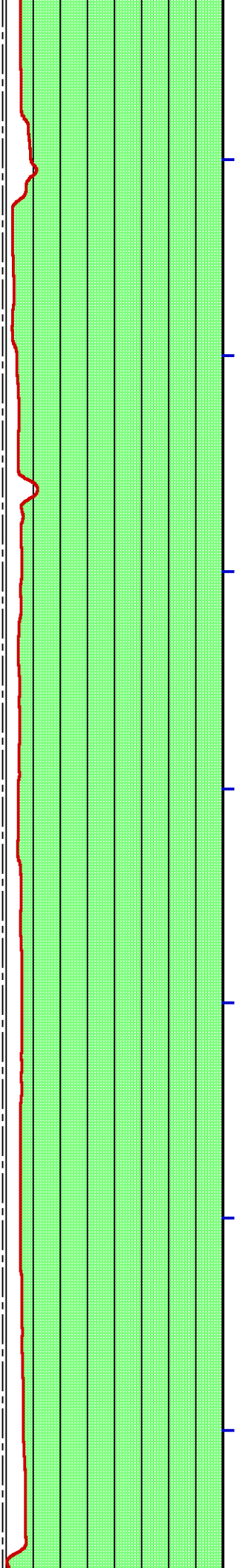


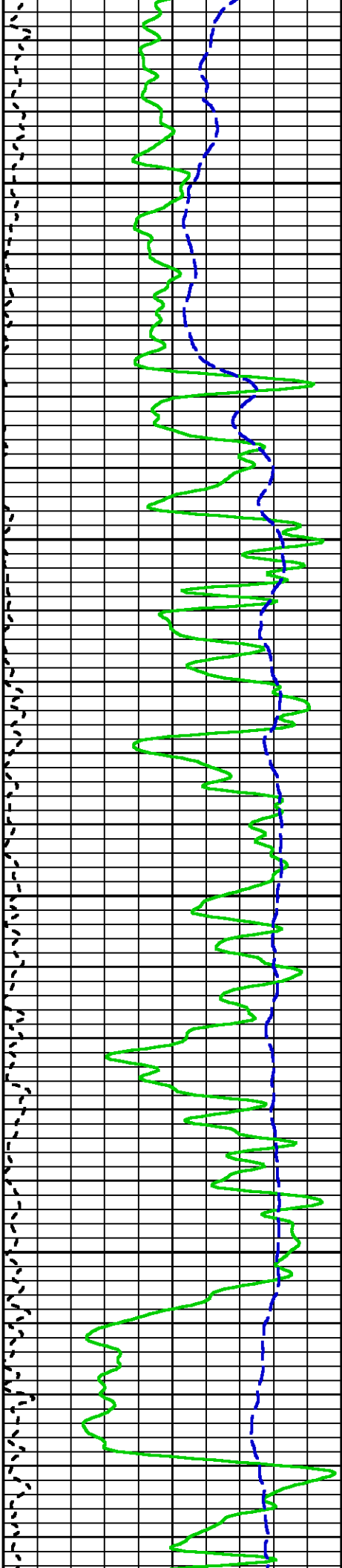
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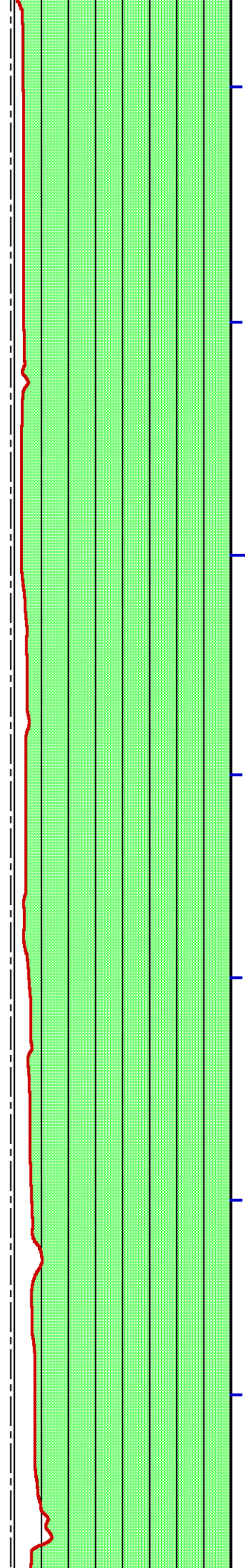
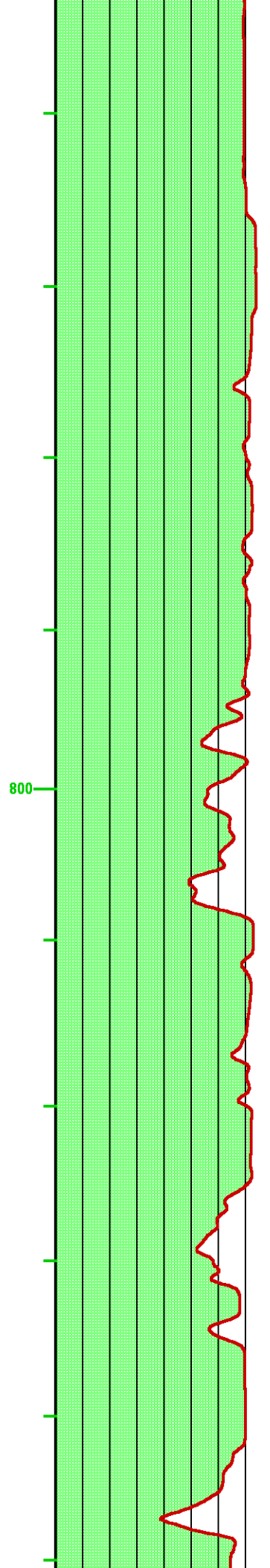
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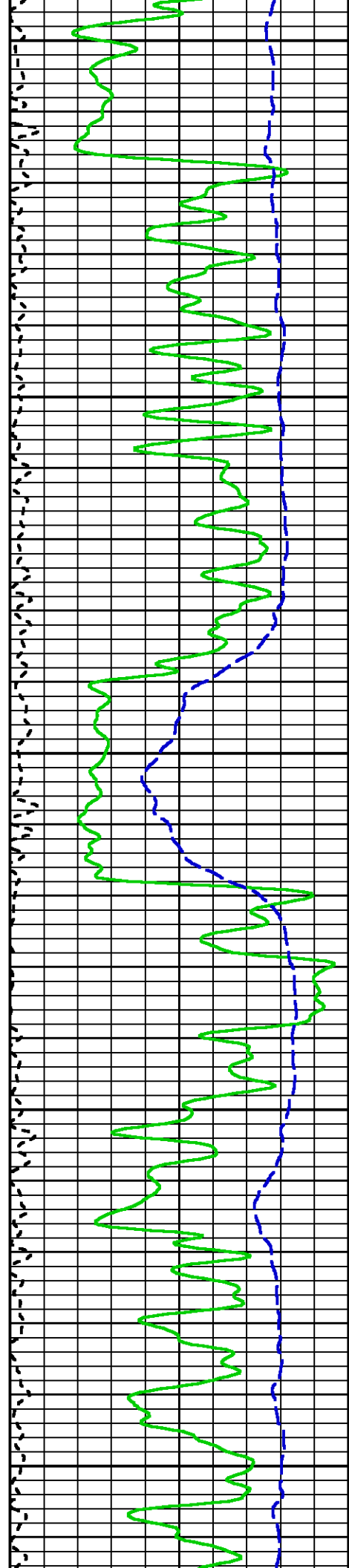


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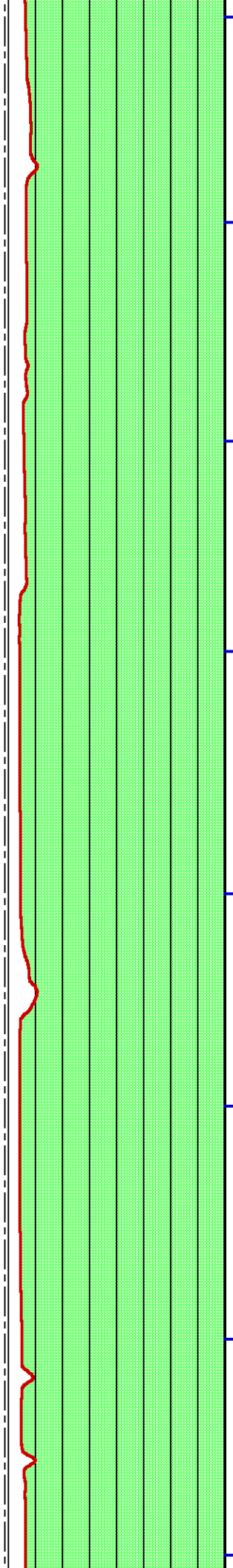
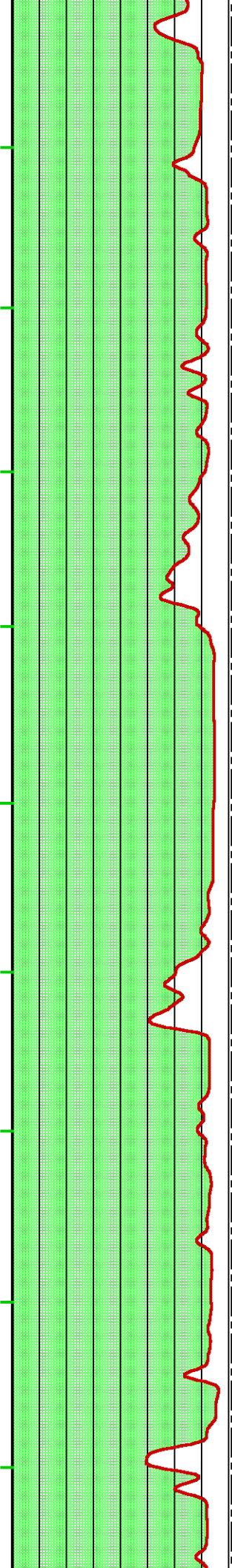


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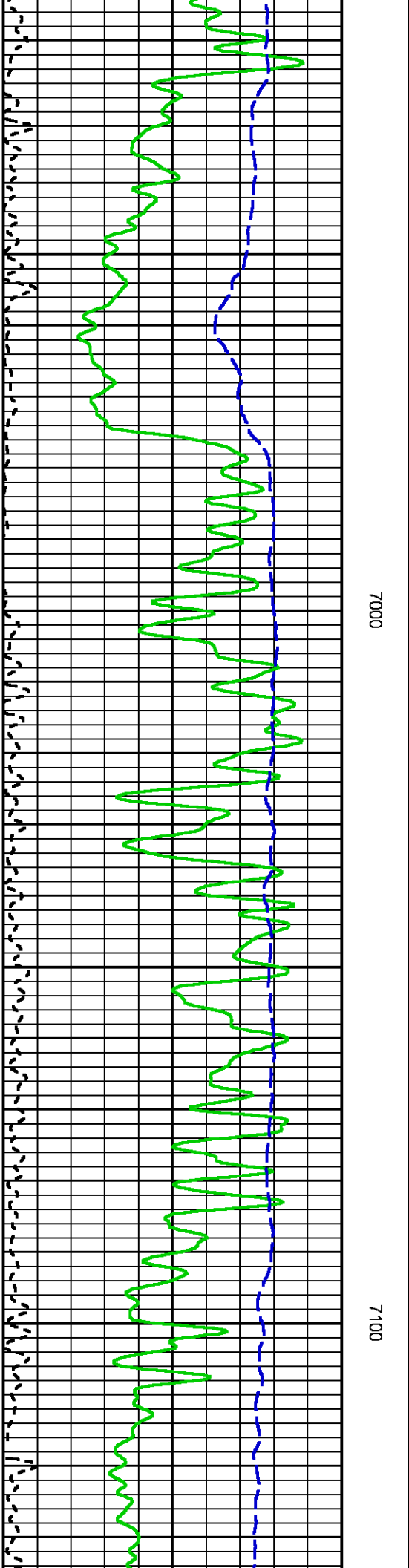
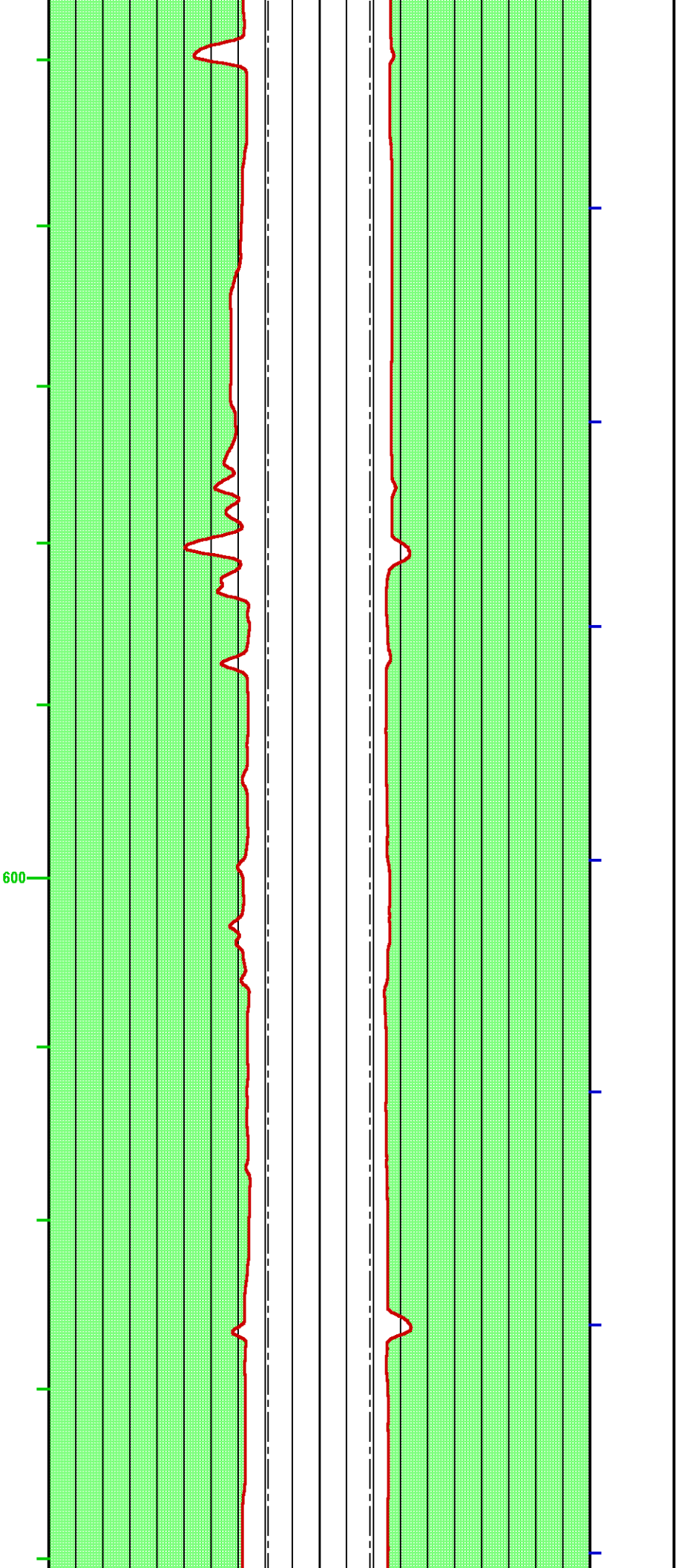
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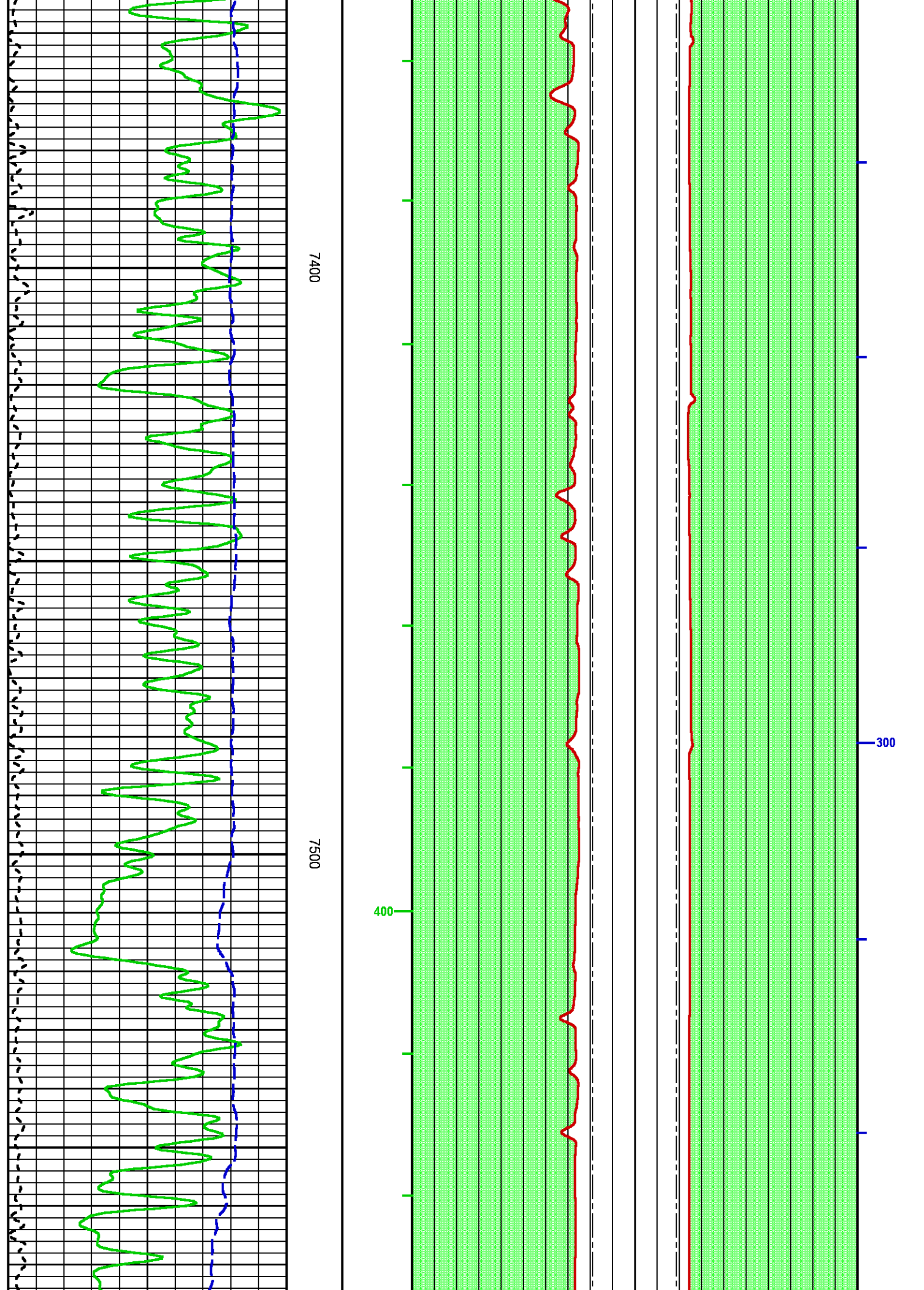


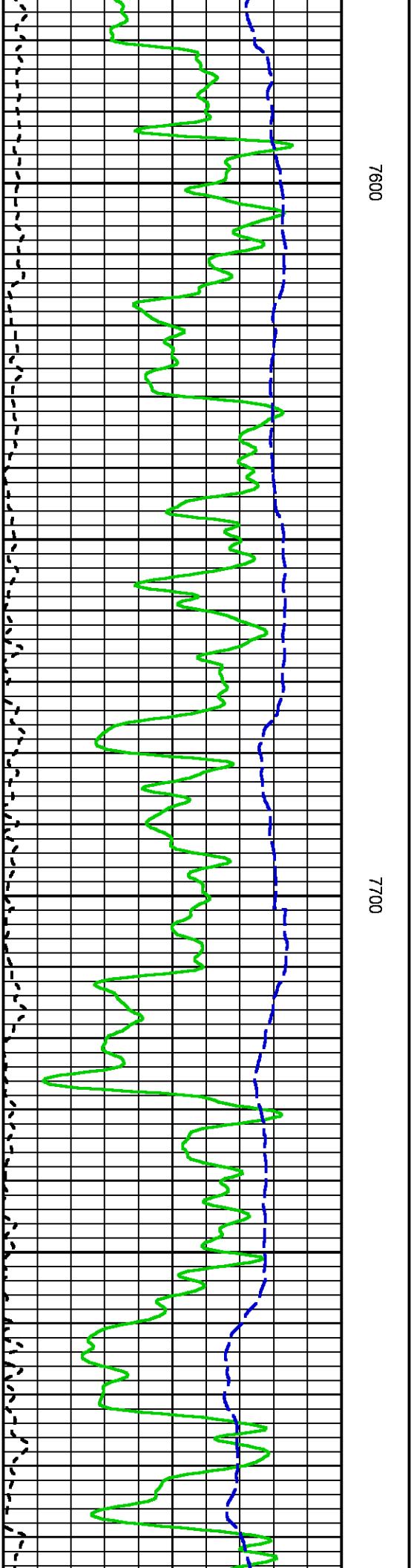
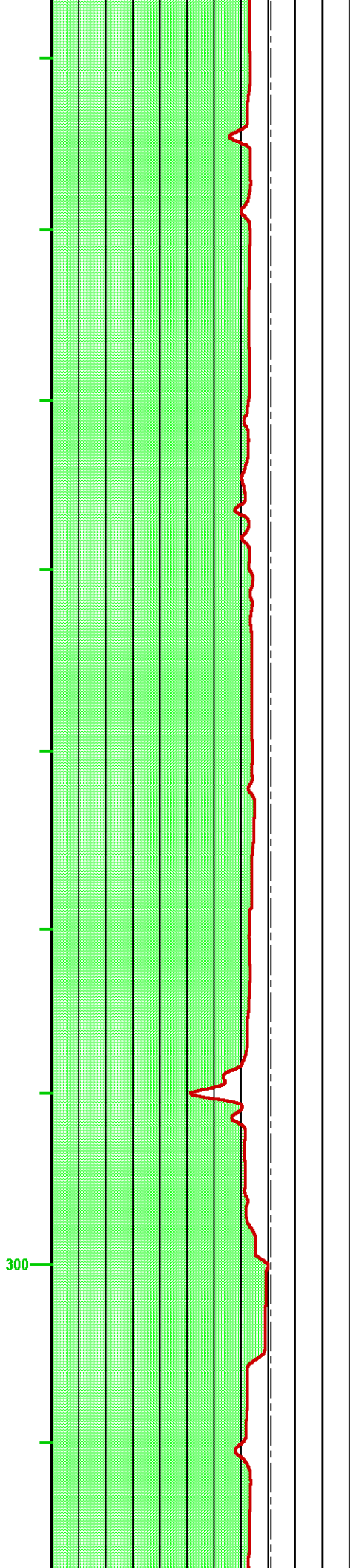
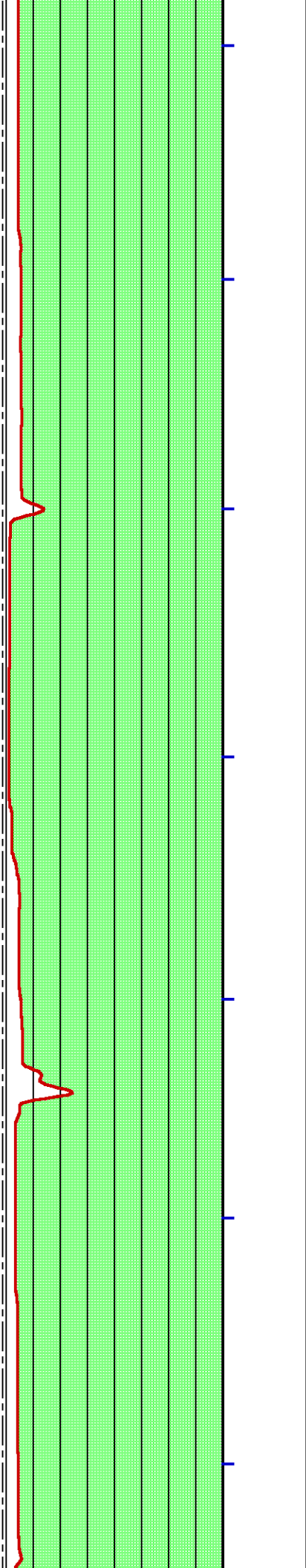
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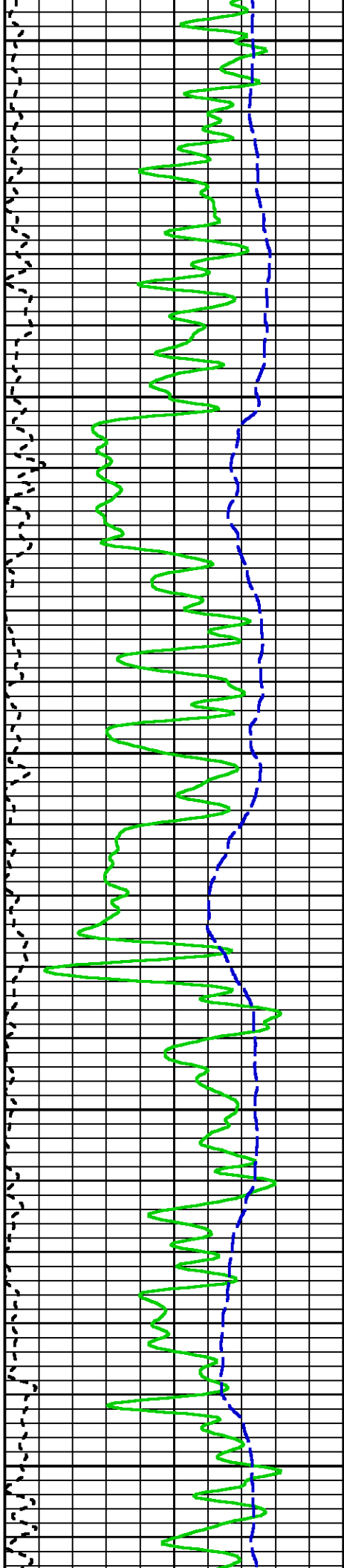
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7200

7300





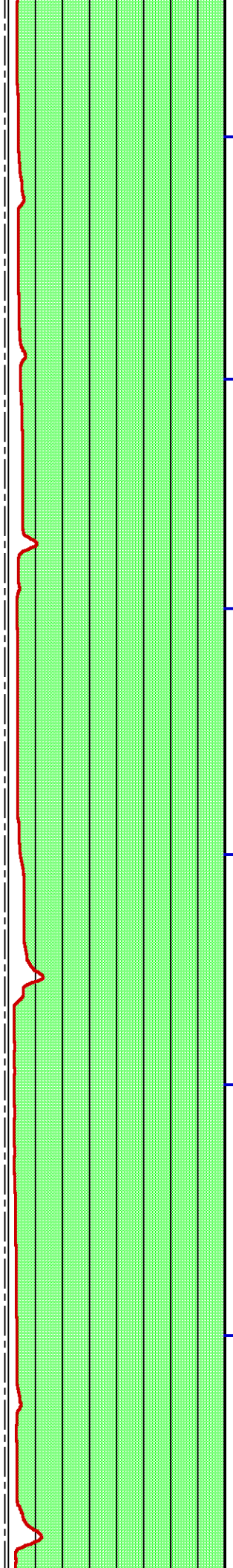
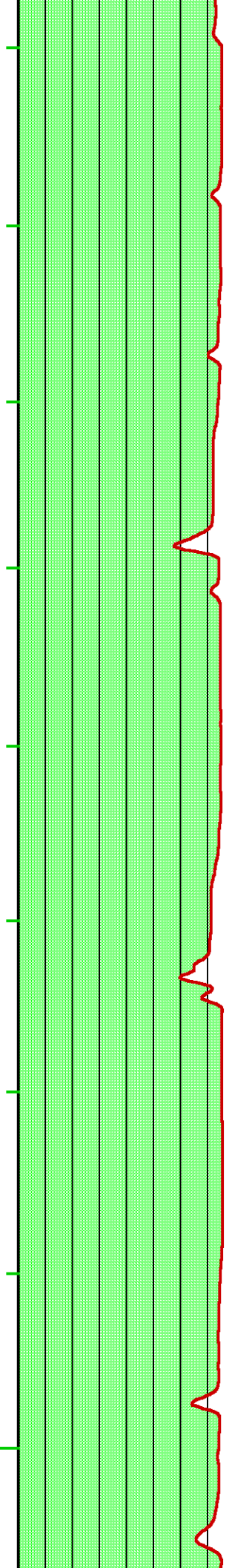


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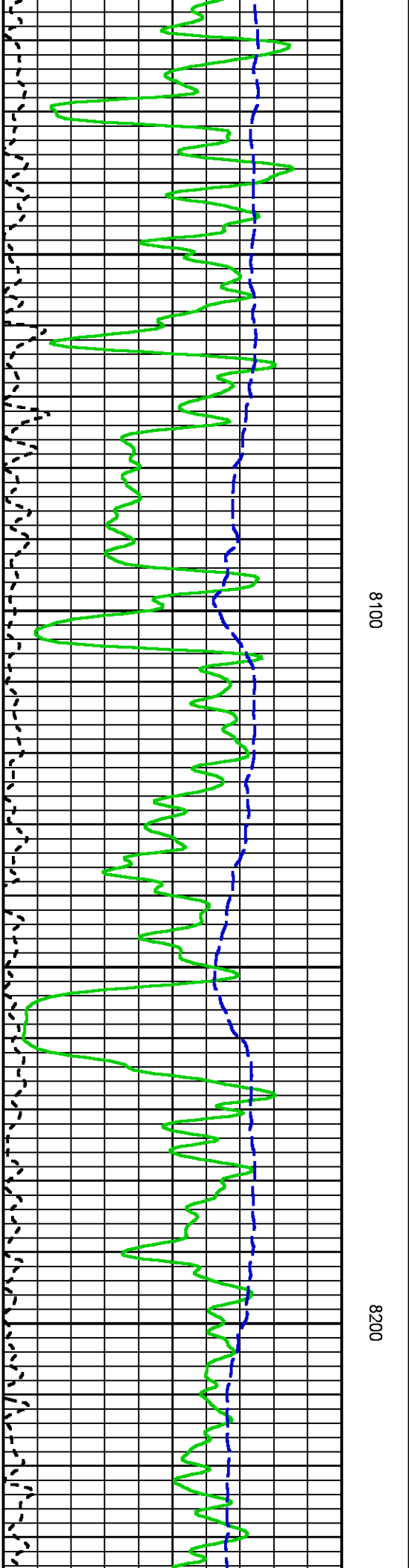
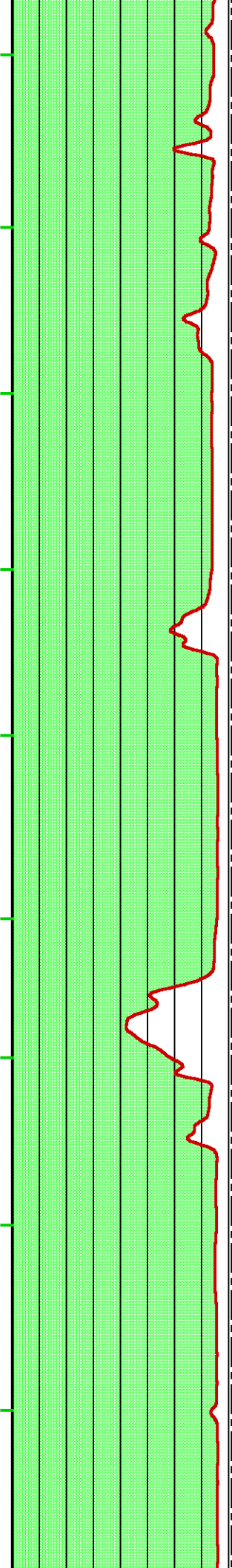
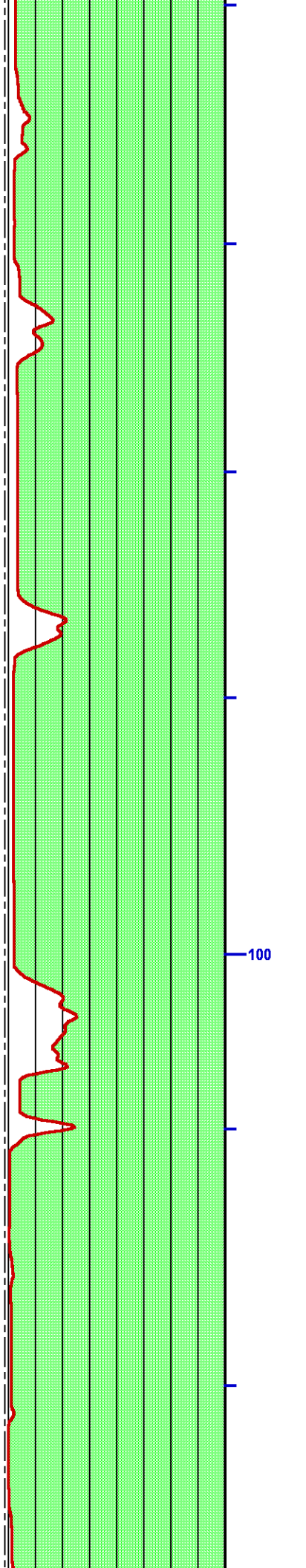
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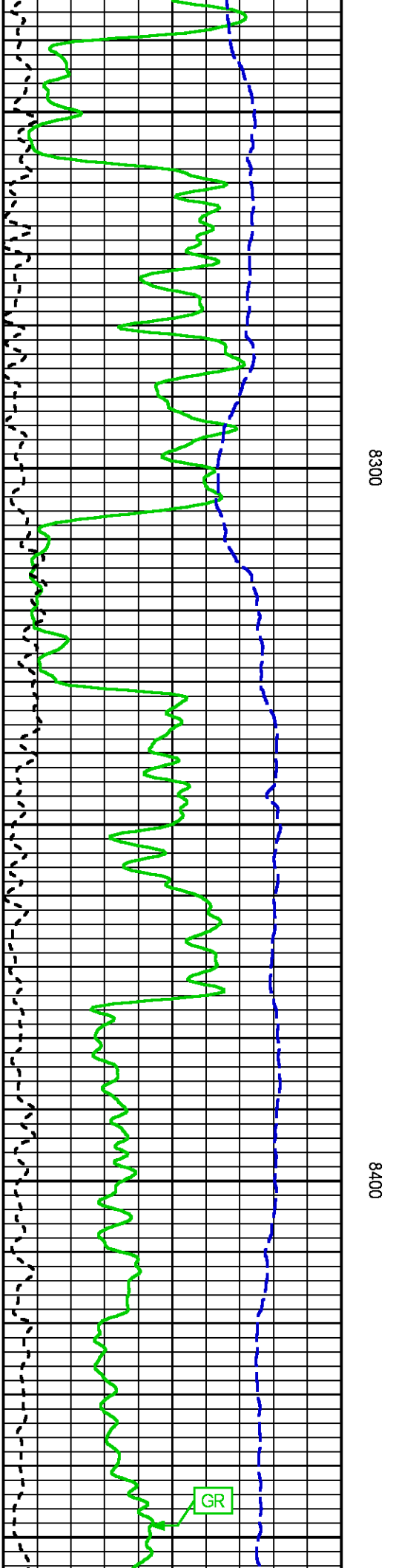
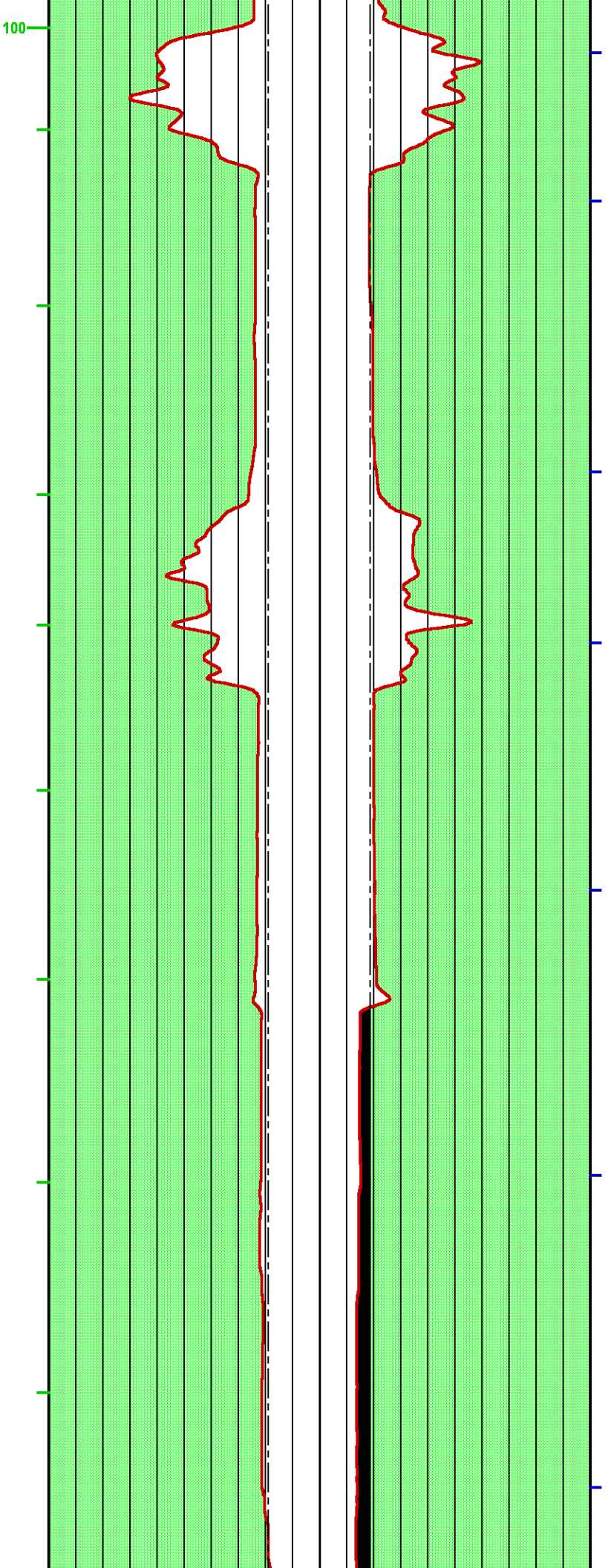
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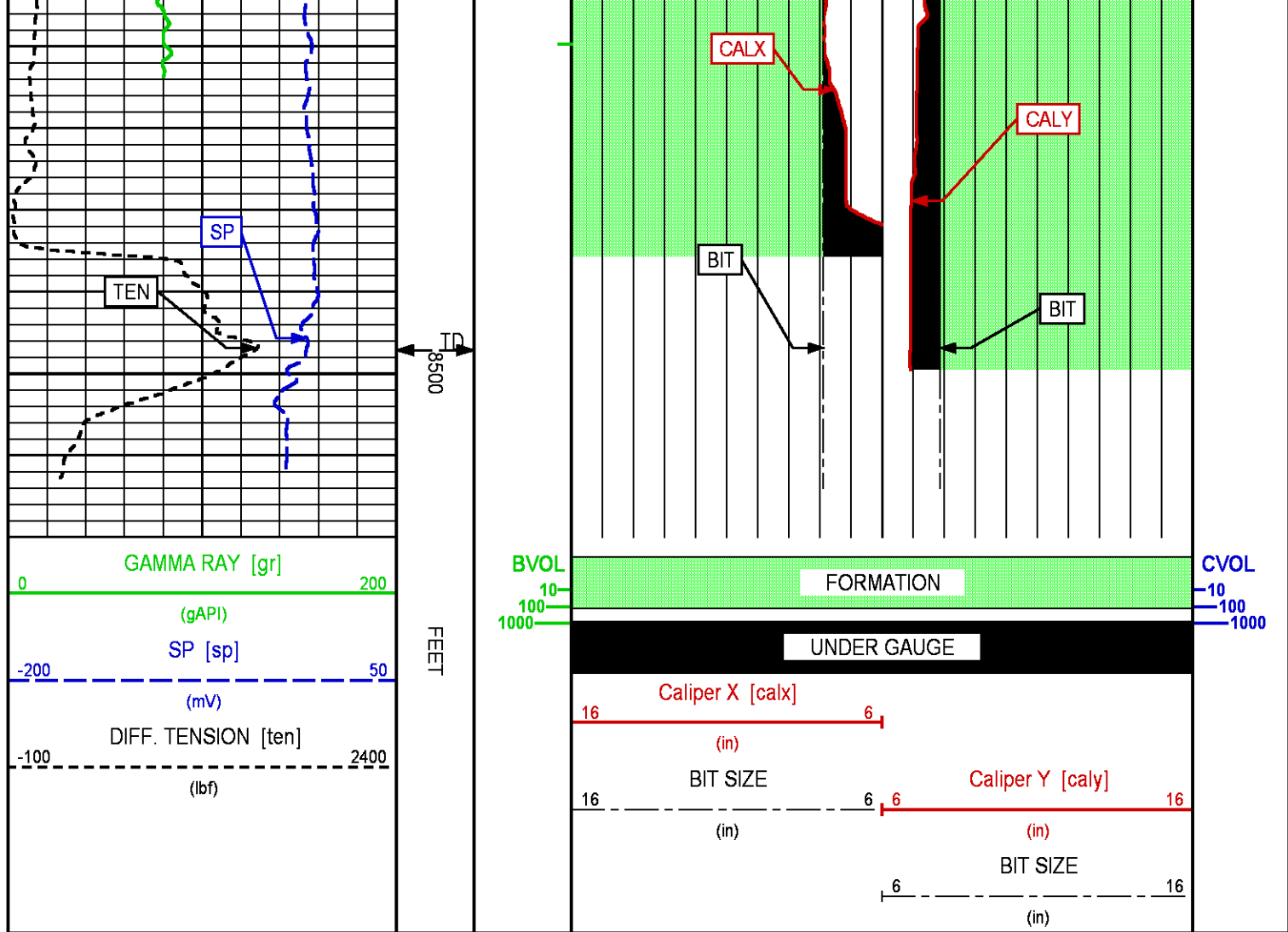
200




200







	COMPANY <u>LARAMIE ENERGY</u> WELL <u>SUP & SHEP FEDERAL 25-11M</u> FIELD <u>VEGA</u> COUNTY <u>MESA</u> STATE <u>COLORADO</u>	FILE NO: <u>US090614J</u> API NO: <u>05077102190000</u>	
	LOCATION: SHL: 2510' FSL 1946' FWL BHL: 2472' FSL 2389' FWL	ELEVATIONS: KB 8095 FT DF GL 8077 FT	SEC 25 T9S R93W SUP&SHEP 25-11 PATTERSON 306
	SEC <u>25</u> TWP <u>9S</u> RGE <u>93W</u>	DATE <u>06-OCT-2014</u>	