



BOREHOLE PROFILE

FILE NO:	133119	COMPANY	LARAMIE ENERGY II LLC
API NO:	05077105410000	WELL	GUNDERSON 0994-13-06W
		FIELD	VEGA
		COUNTY	MESA
		STATE	COLORADO

Version	LOCATION:	OTHER SERVICES
	SEC 13 TWP 9S RGE 94W	NONE
PERMANENT DATUM	GL ELEVATION 7272 FT	ELEVATIONS:
LOG MEASURED FROM	KB 30 FT ABOVE P.D.	KB 7302 FT
DRILL. MEAS. FROM	KB	DF
		GL 7272 FT

DATE	07-Mar-2018
RUN	1
TRIP	1
SERVICE ORDER	US133119J
DEPTH DRILLER	8642 FT
DEPTH LOGGER	8645 FT
BOTTOM LOGGED INTERVAL	8638 FT
TOP LOGGED INTERVAL	0 FT
CASING DRILLER	8.625 IN @ 1542 FT
CASING LOGGER	1542 FT
BIT SIZE	7.875 IN
TYPE OF FLUID IN HOLE	LSND
DENSITY	9.8 LB/G
VISCOSITY	44 CP
PH	10.4
FLUID LOSS	6.8 CC
SOURCE OF SAMPLE	TOOL MEASURED
RM AT MEAS. TEMP.	0.83 OHMM @ 94.2 DEGF
RMF AT MEAS. TEMP.	0.63 OHMM @ 94.2 DEGF
RMC AT MEAS. TEMP.	1.04 OHMM @ 94.2 DEGF
SOURCE OF RMF	RMC
RM AT BHT	0.455 OHMM @ 212.3 DEGF
TIME SINCE CIRCULATION	8 HRS
MAX. RECORDED TEMP.	212.3 DEGF
EQUIP. NO.	4271
LOCATION	GRAND JCT
RECORDED BY	W. QUIGLEY
WITNESSED BY	MR. TYLER HALE

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	0 FT	8642 FT

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
8.625 IN	28 LB/F		0 FT	1542 FT

REMARKS

RUN1 TRIP 1: NO GR OR CN JIG AVAILABLE FOR VERIFICATIONS
HAD DIFFICULTY RE-ENTERING CASING ON MAIN PASS, SEE REPEAT FOR CSG ENTRY

THANK YOU FOR CHOOSING BAKER HUGHES, A GE COMPANY
CREW: AUSTIN WAGGONNER, CODY WAGNER

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TTRM	3981XA	10045153	FREE
1	1	TELEM	3514XA	10223701	FREE
1	1	GAMMA RAY	1329XA	363173	FREE
1	1	NEUTRON	2446XA	10342170	DECENTRALIZED
1	1	DENSITY	2234XA	10231795	CALIPER DEVICE

BOREHOLE PROFILE

Plotted: Wed Mar 07 18:33:50 2018

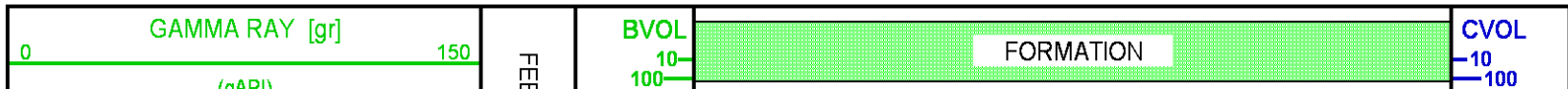
FILE: C:\Users\lquigwil\Desktop\133119\p777q02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1561.500 ft BOTTOM DEPTH: 8646.182 ft

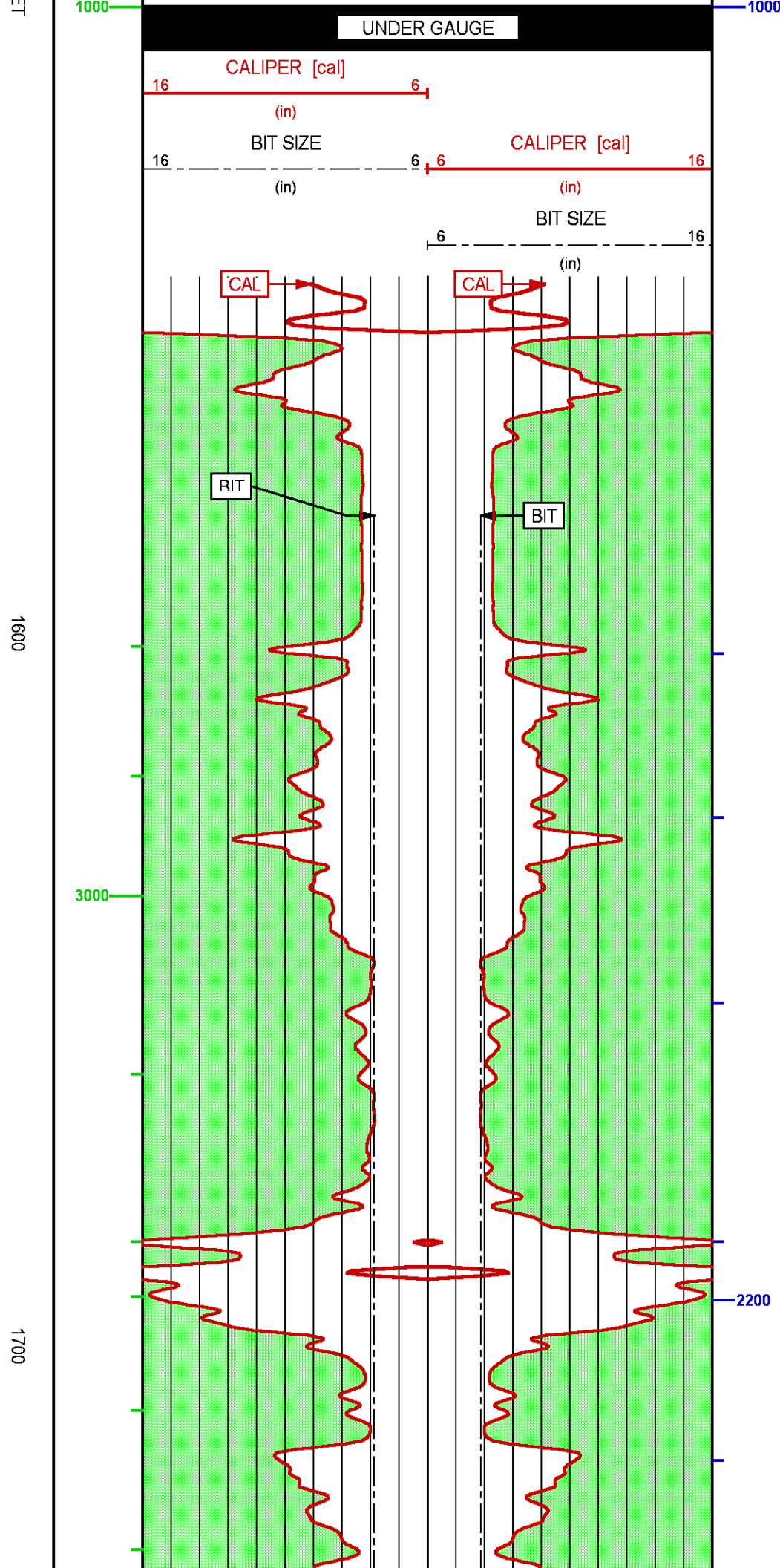
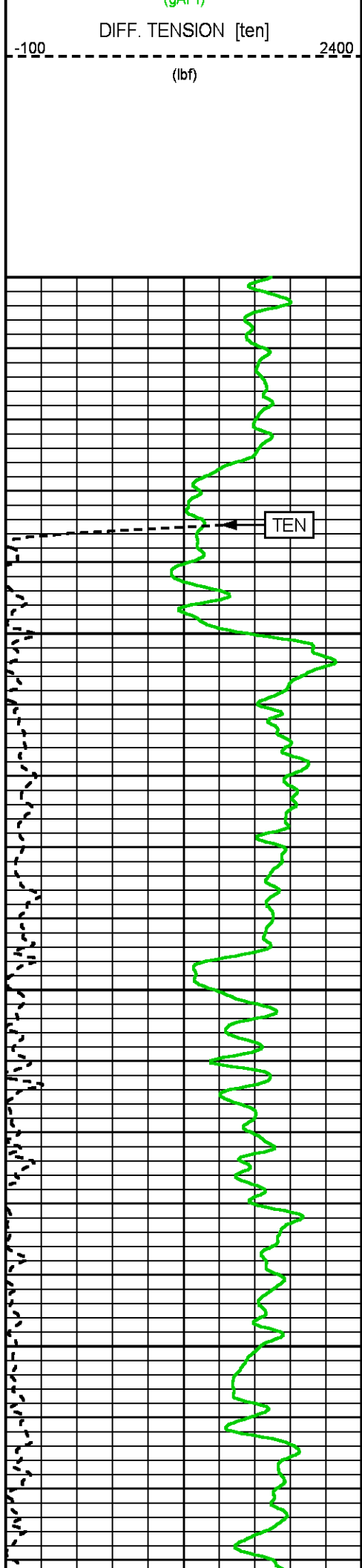
BOREHOLE & CEMENT					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME BIT SIZE	CASING O.D.	4.500	in	TOP	BOTTOM
	BIT SIZE	7.875	in	"	"

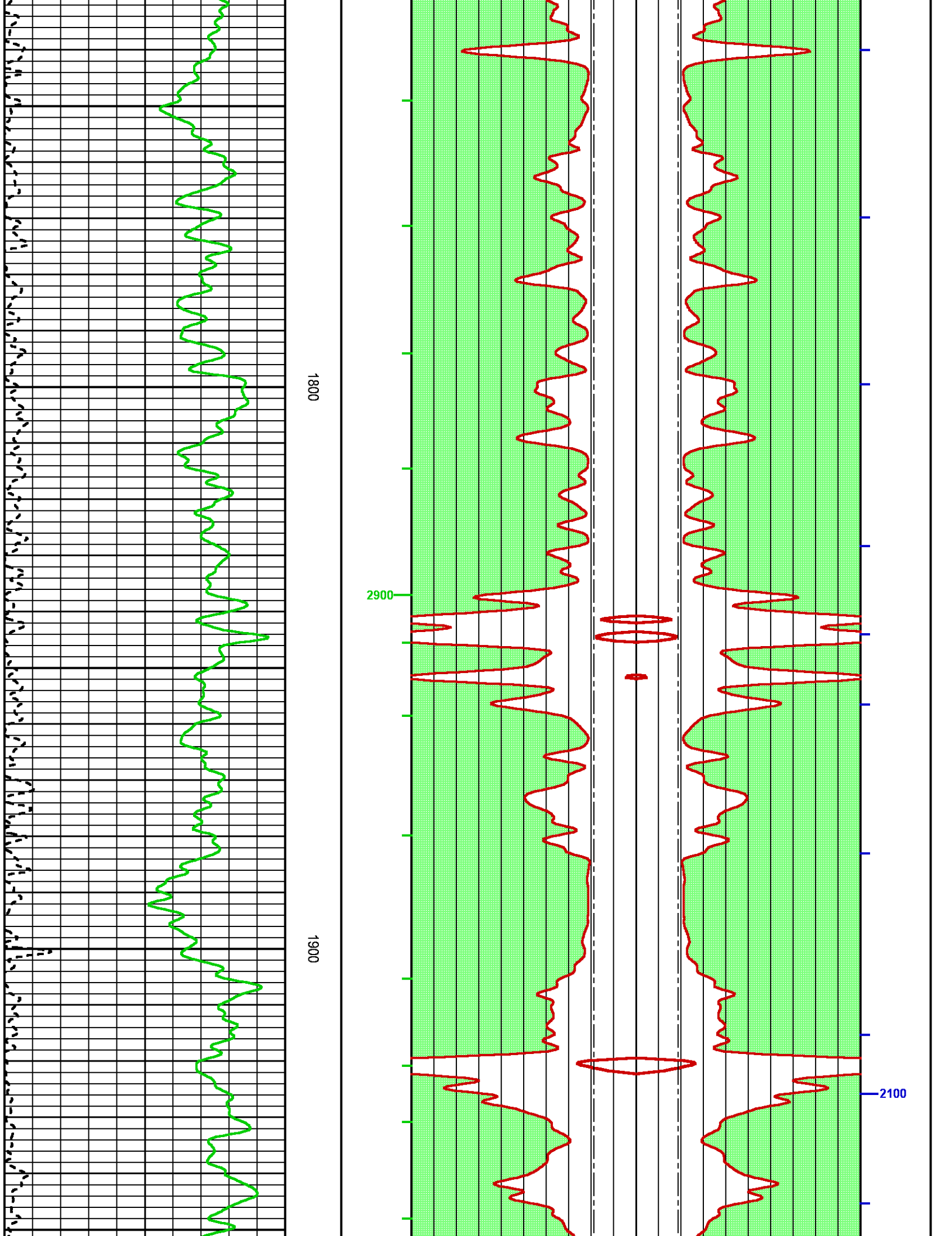
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	N/A	BIT SIZE
F1:BVOL	N/A	BOREHOLE VOLUME
F1:CAL	N/A	CALIPER
F1:CVOL	N/A	CEMENT VOLUME
F1:GR	N/A	GAMMA RAY
F1:TEN	N/A	DIFFERENTIAL TENSION

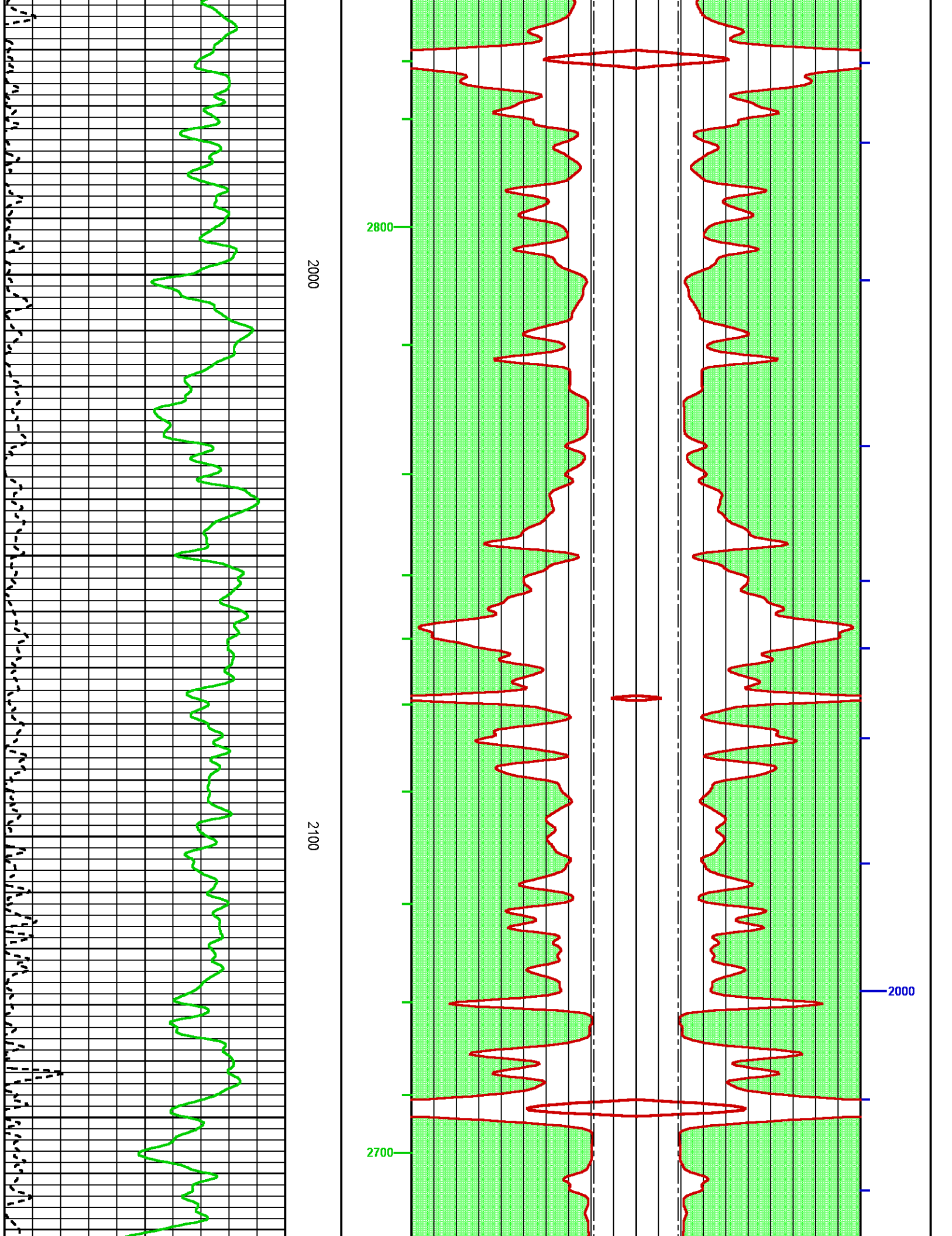
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	CAL	-35.00	GR	-52.25	TEN	0.00

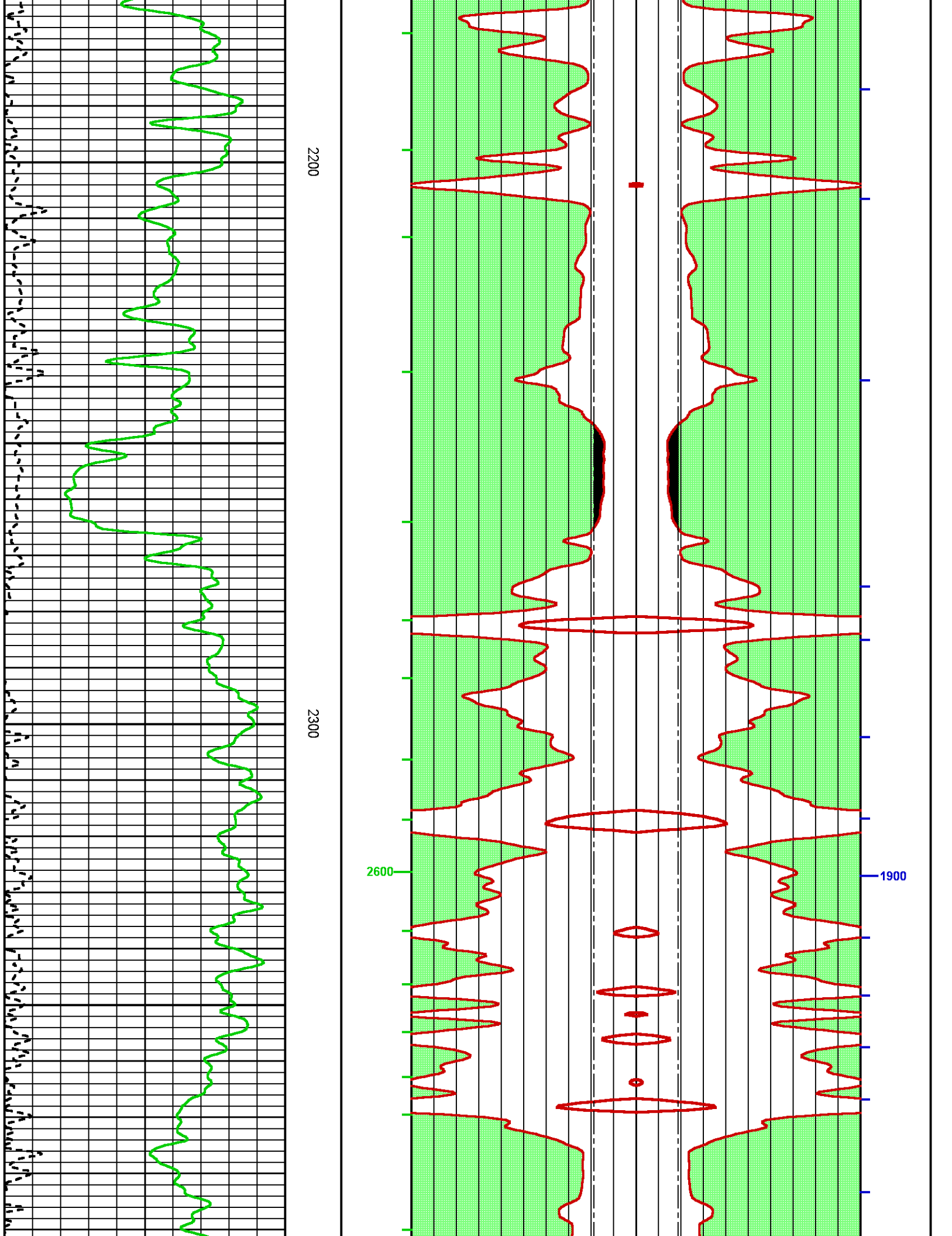
Presentation	: BHID26LKX1:C:\Users\quigwil\Desktop\133119\BHP_STD+p777q02main.fvpdf [5"/100' Scale]
Plot Interval	: 1550 - 8663.75 Feet
Data File 1	: F1 : BHID26LKX1:C:\Users\quigwil\Desktop\133119\p777q02main.xtf
Created On	: N/A
Company	: LARAMIE ENERGY II LLC
Well	: GUNDERSON 0994-13-06W
Field	: VEGA
File Interval	: -18 - 8663.75 Feet
OCT	: p777q

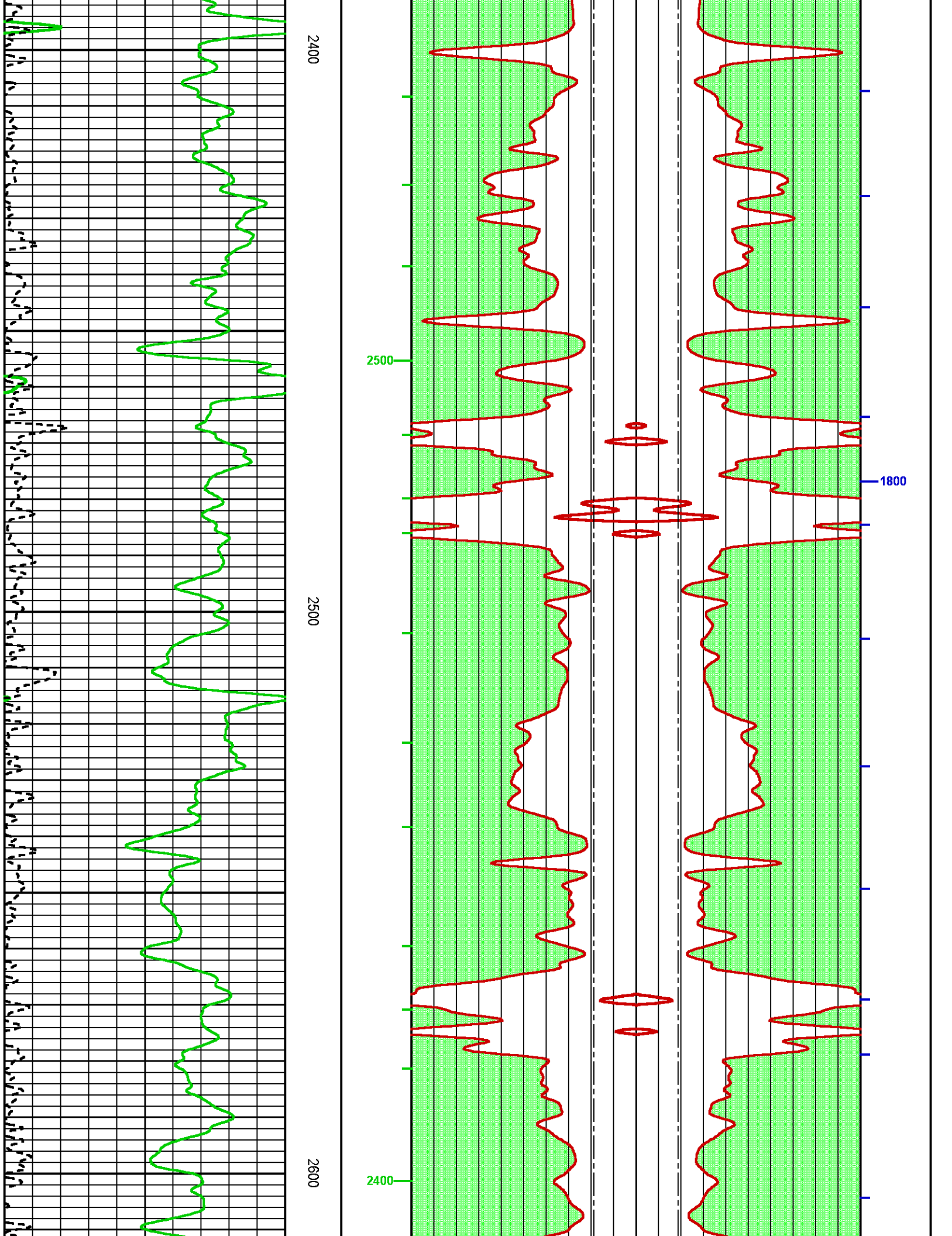


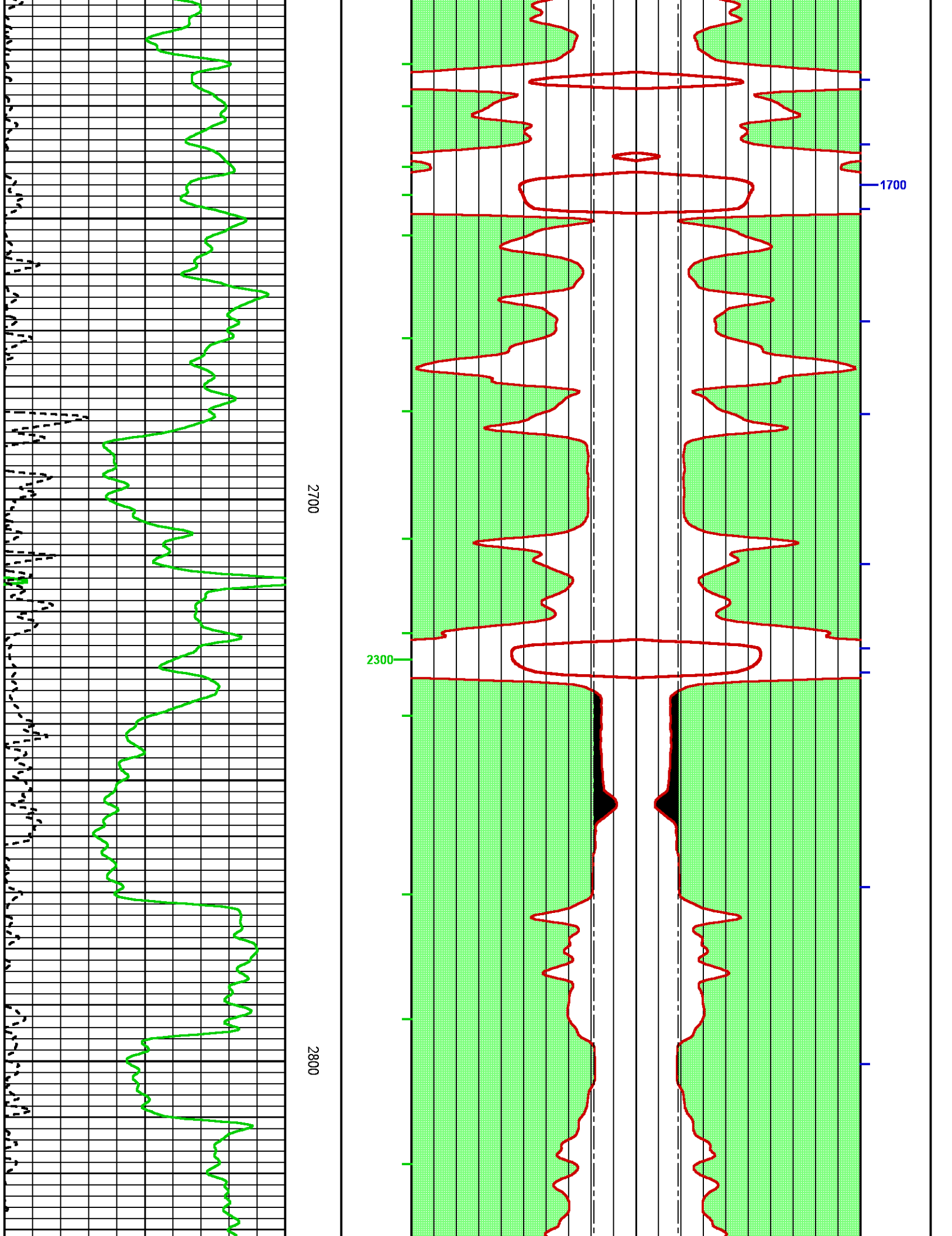


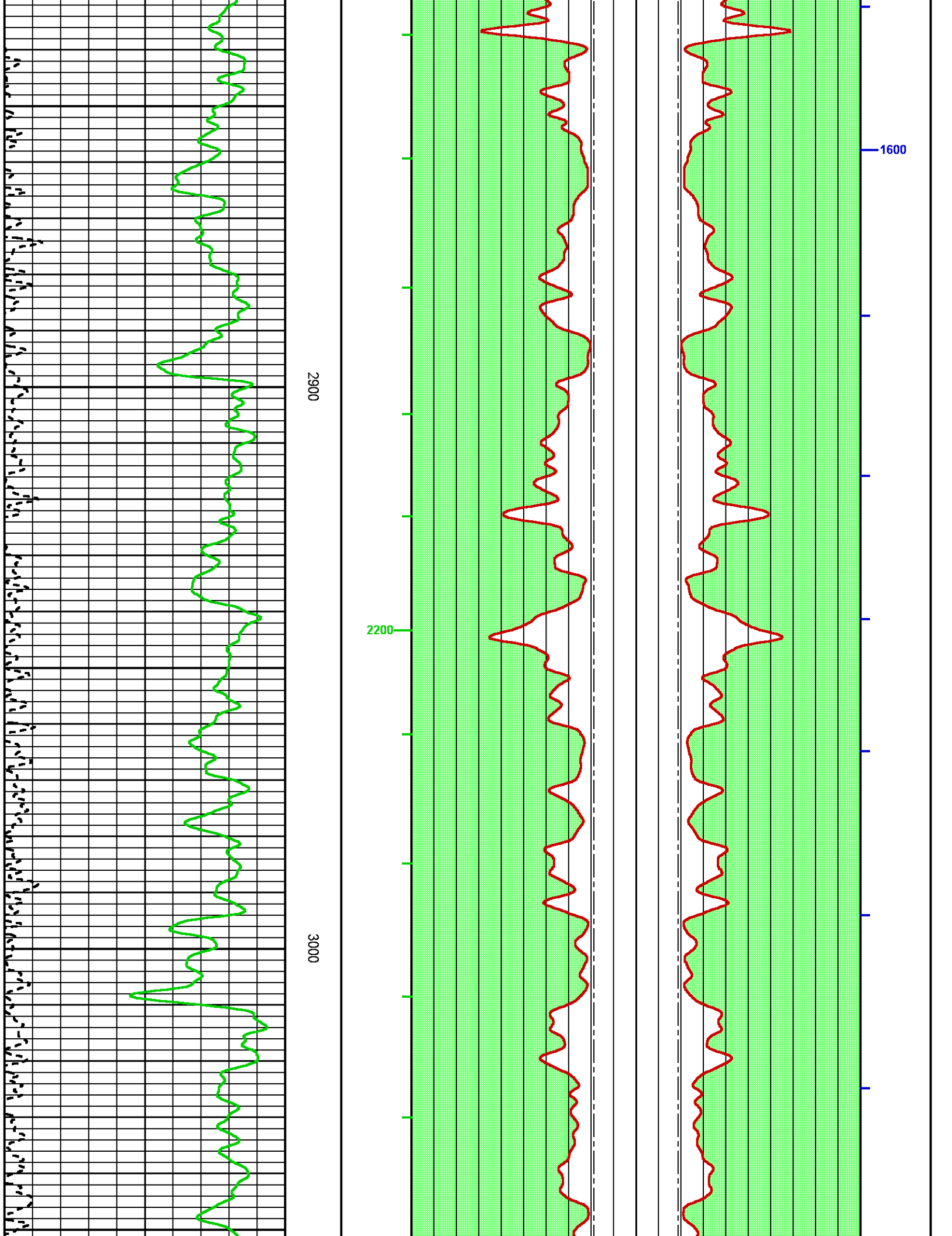


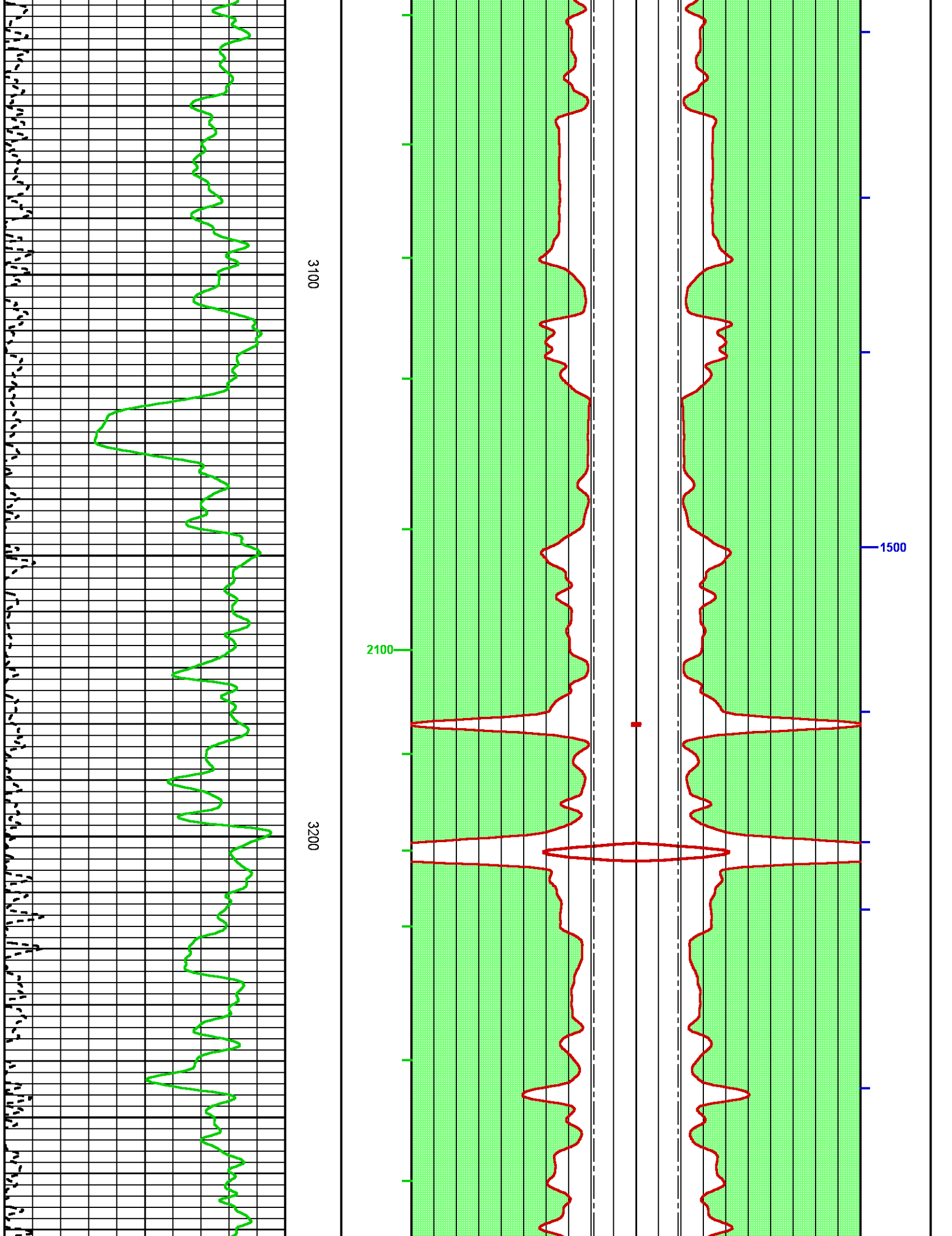


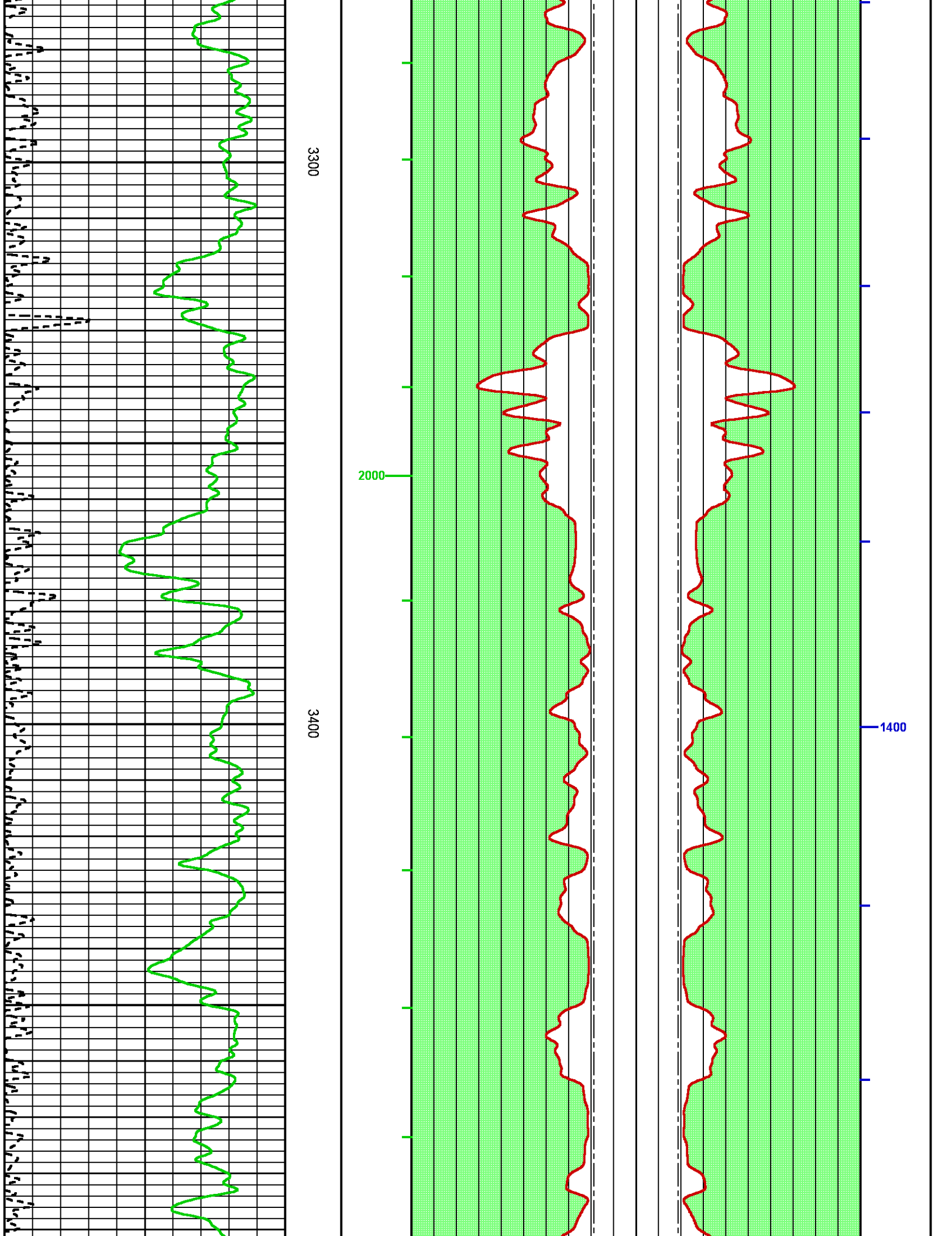


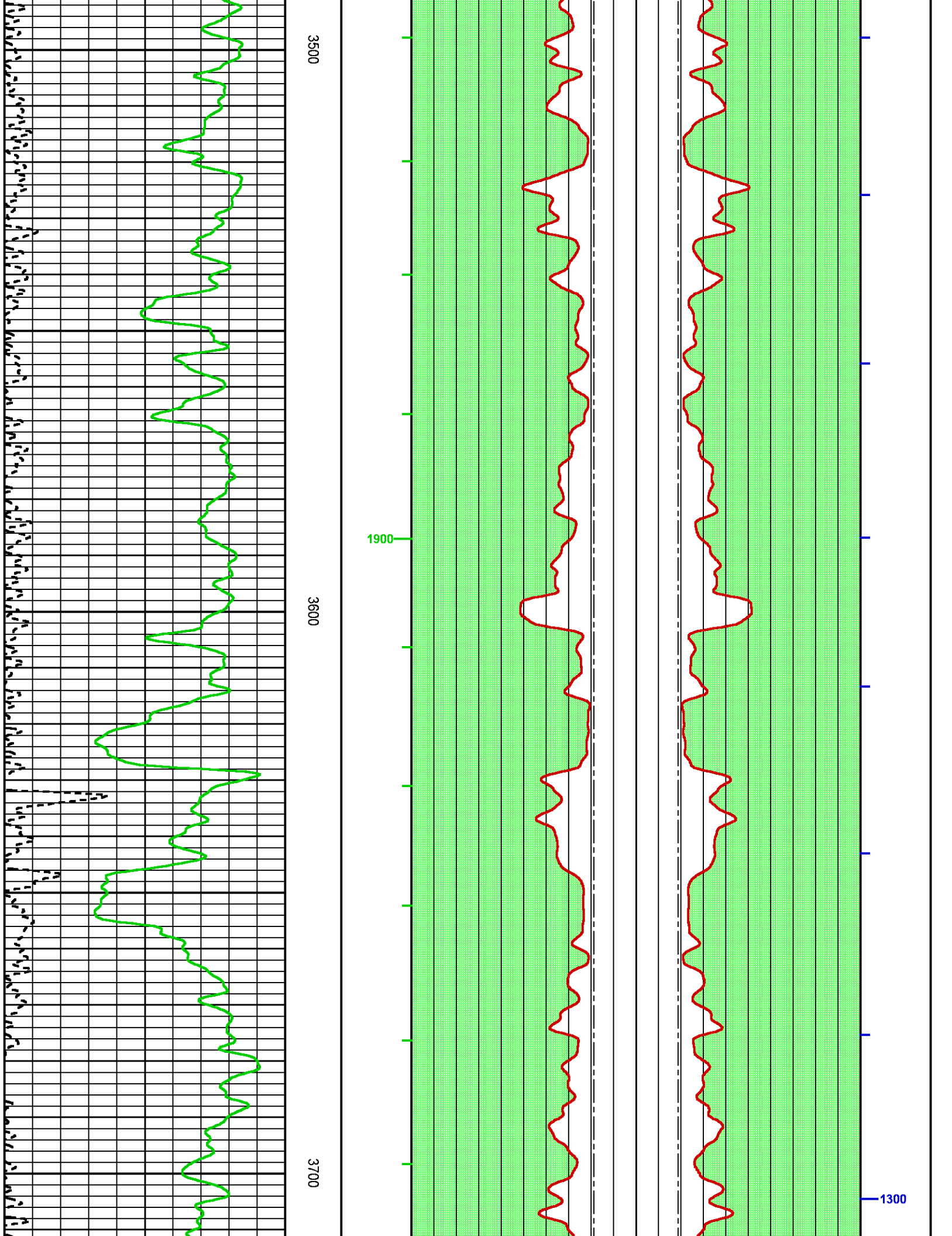


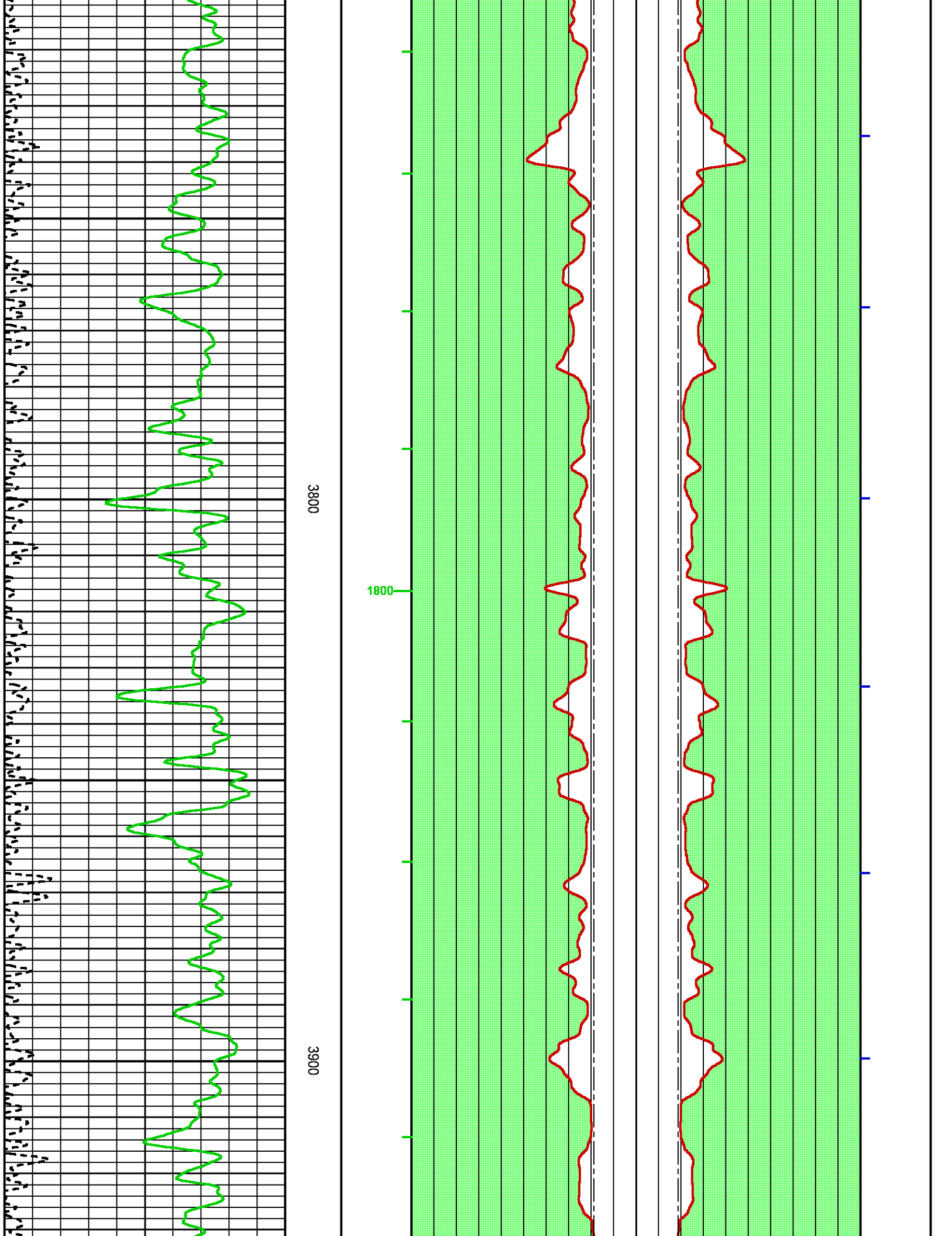


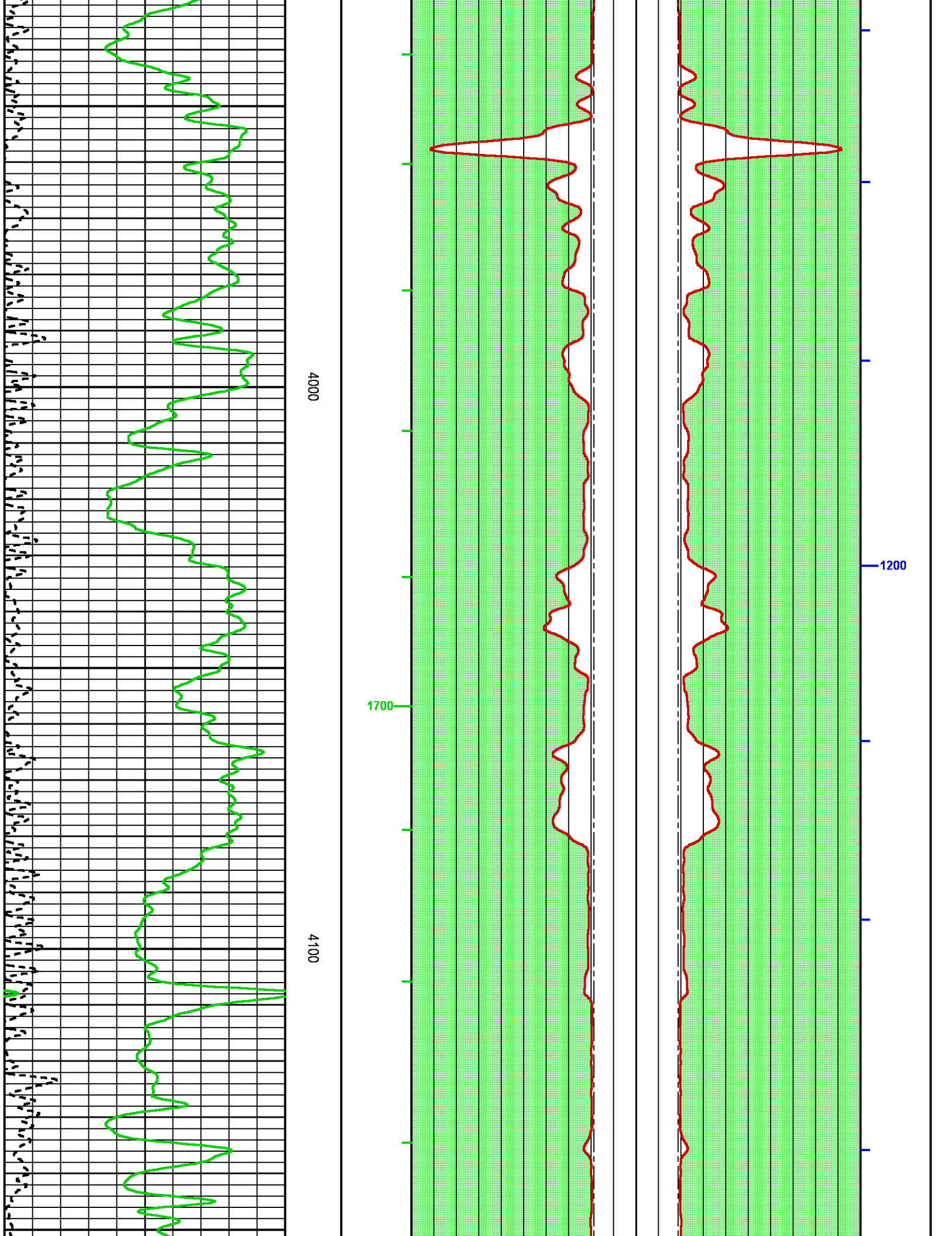


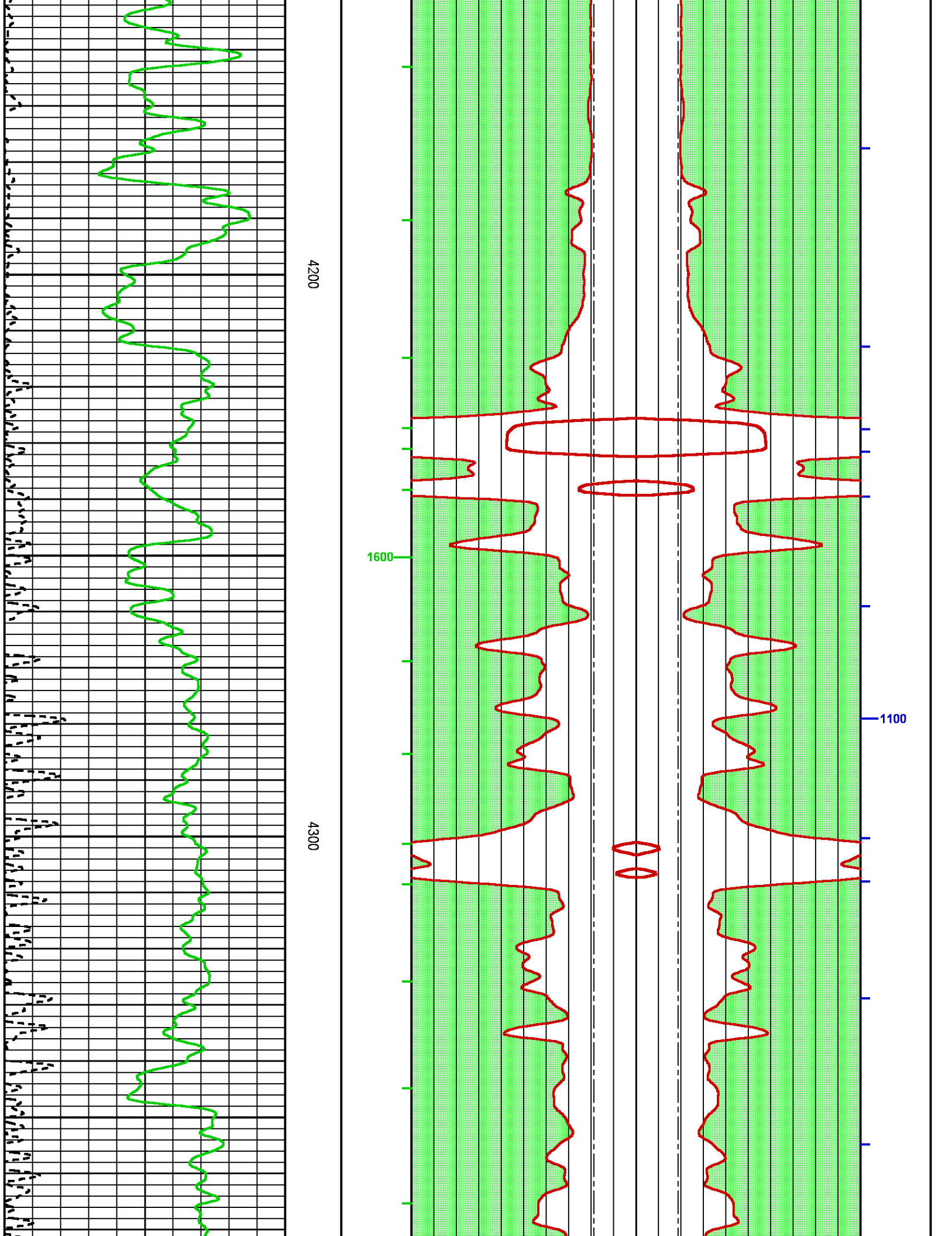


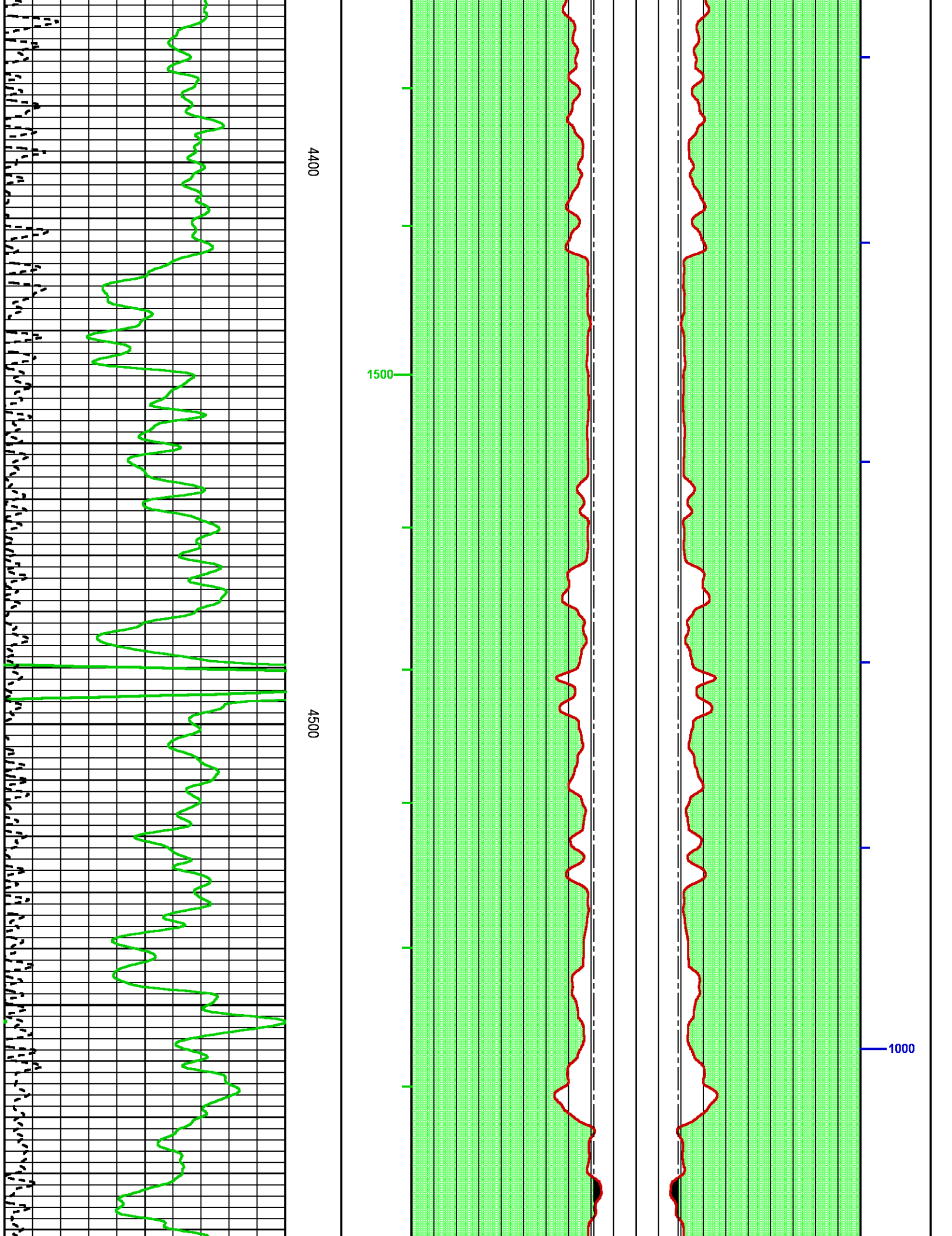


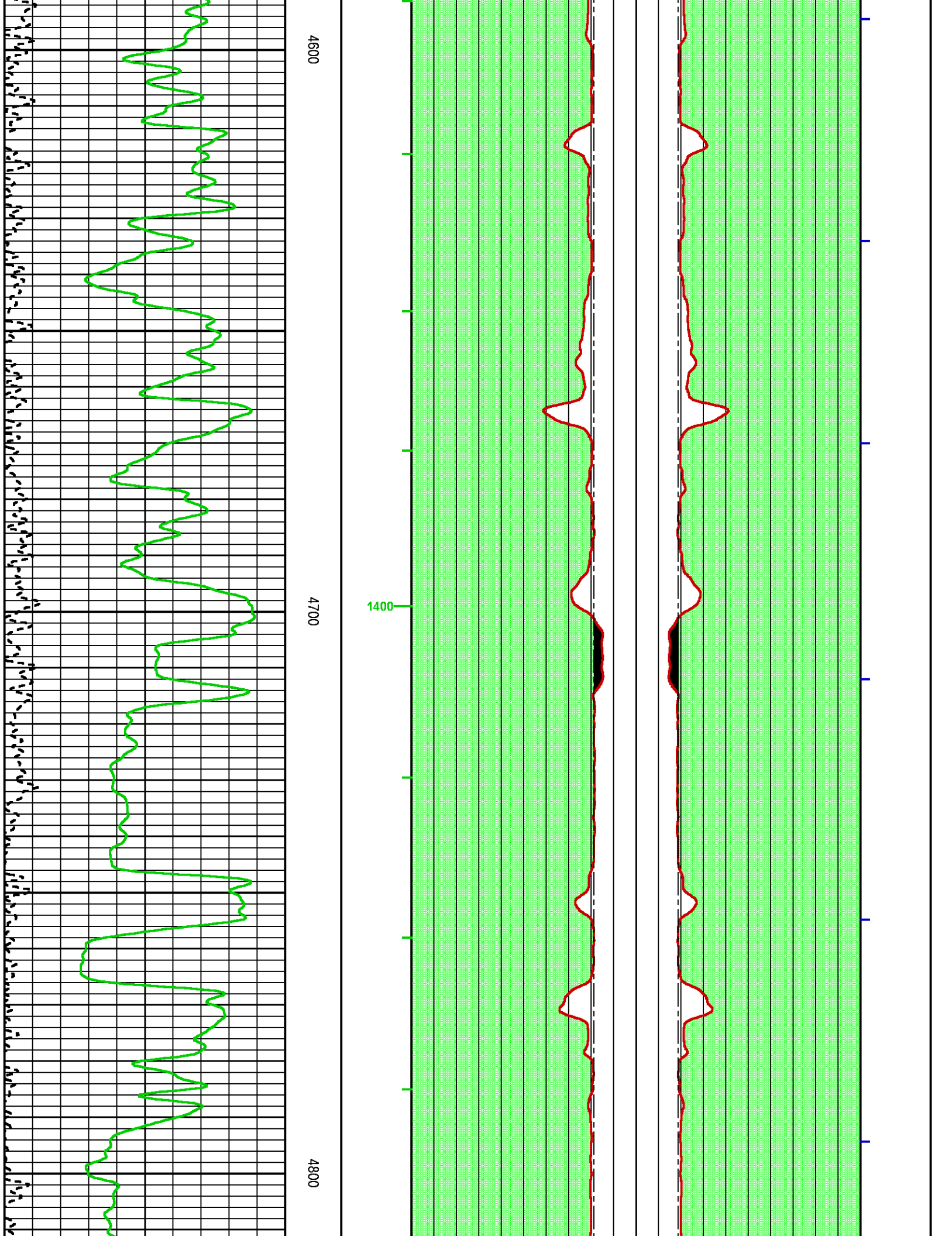


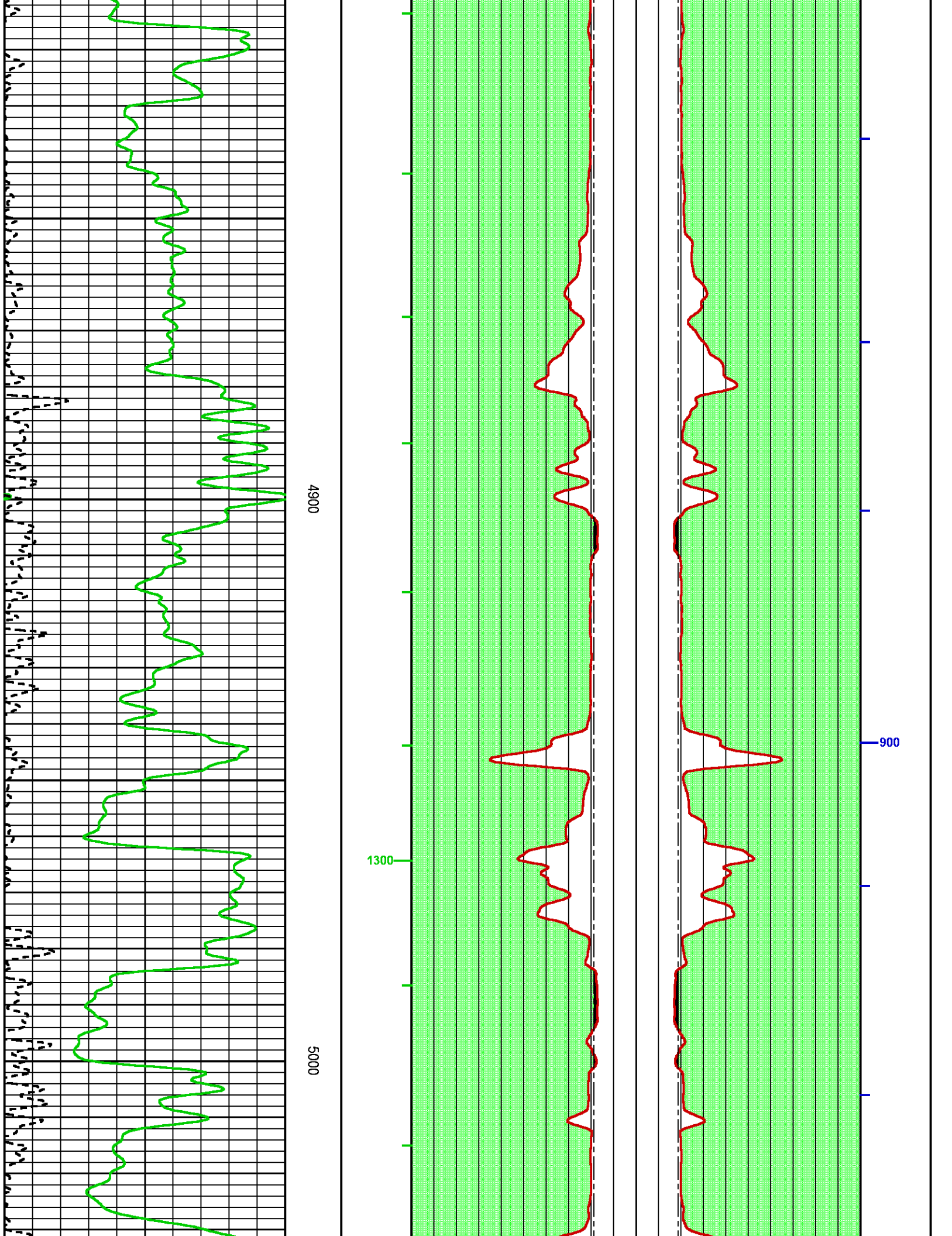


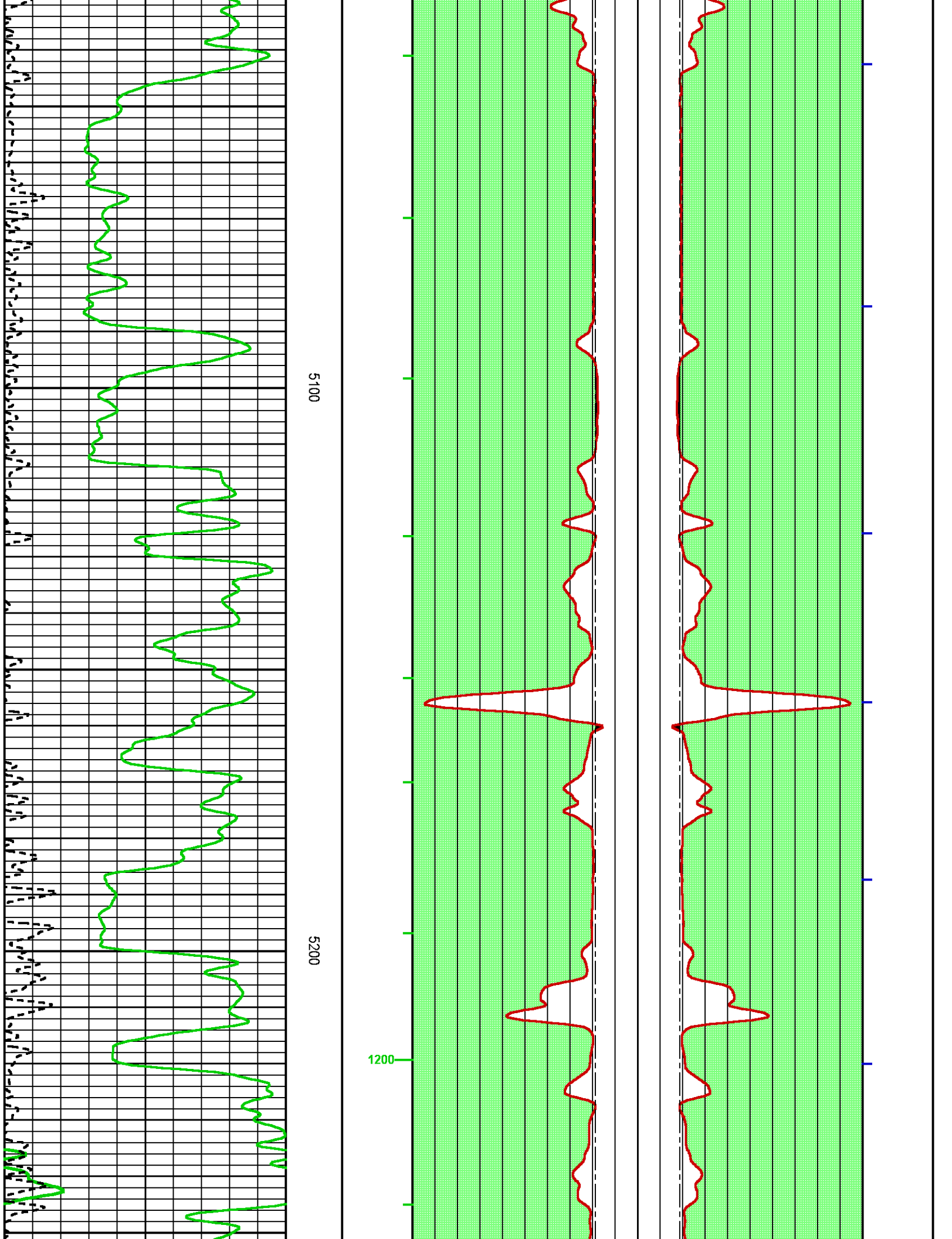


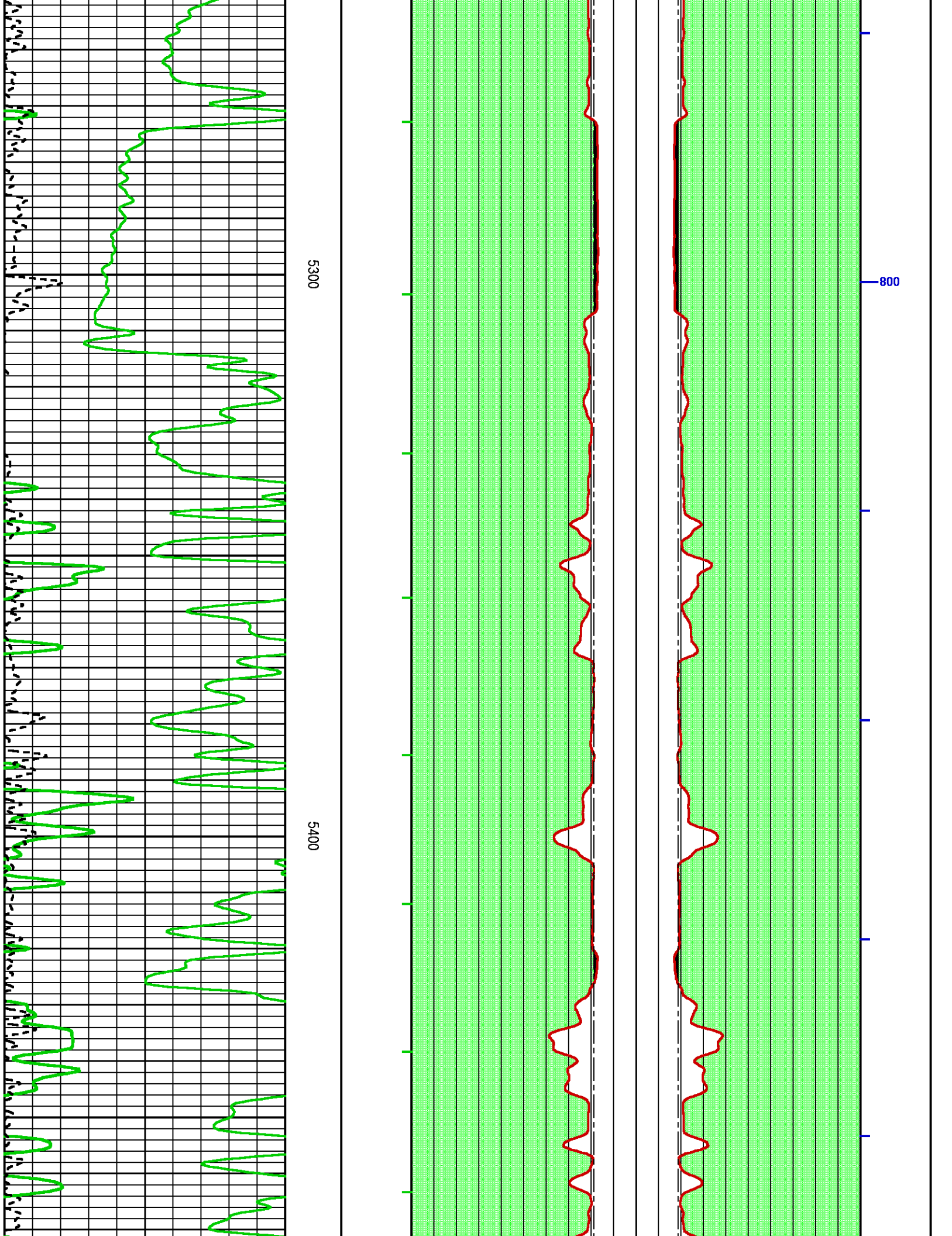


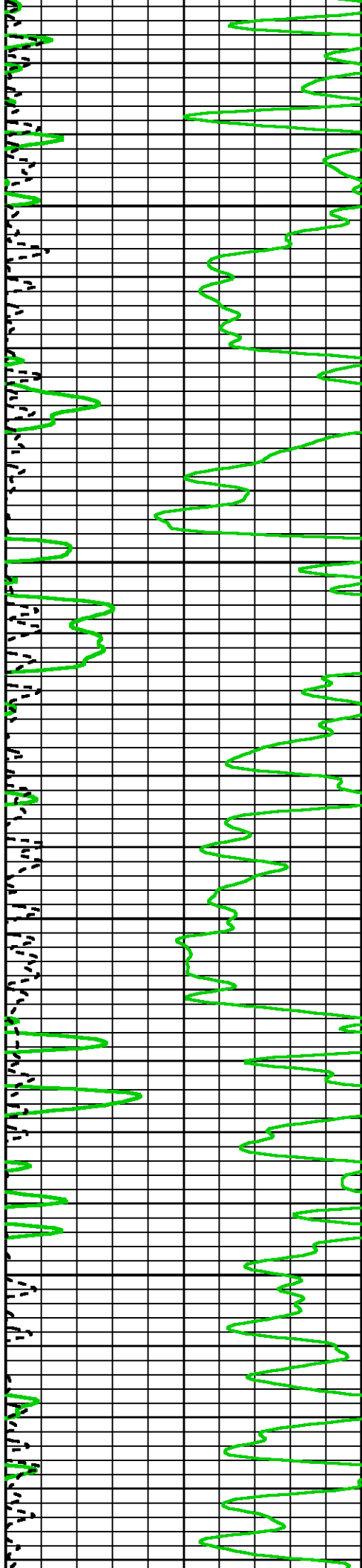










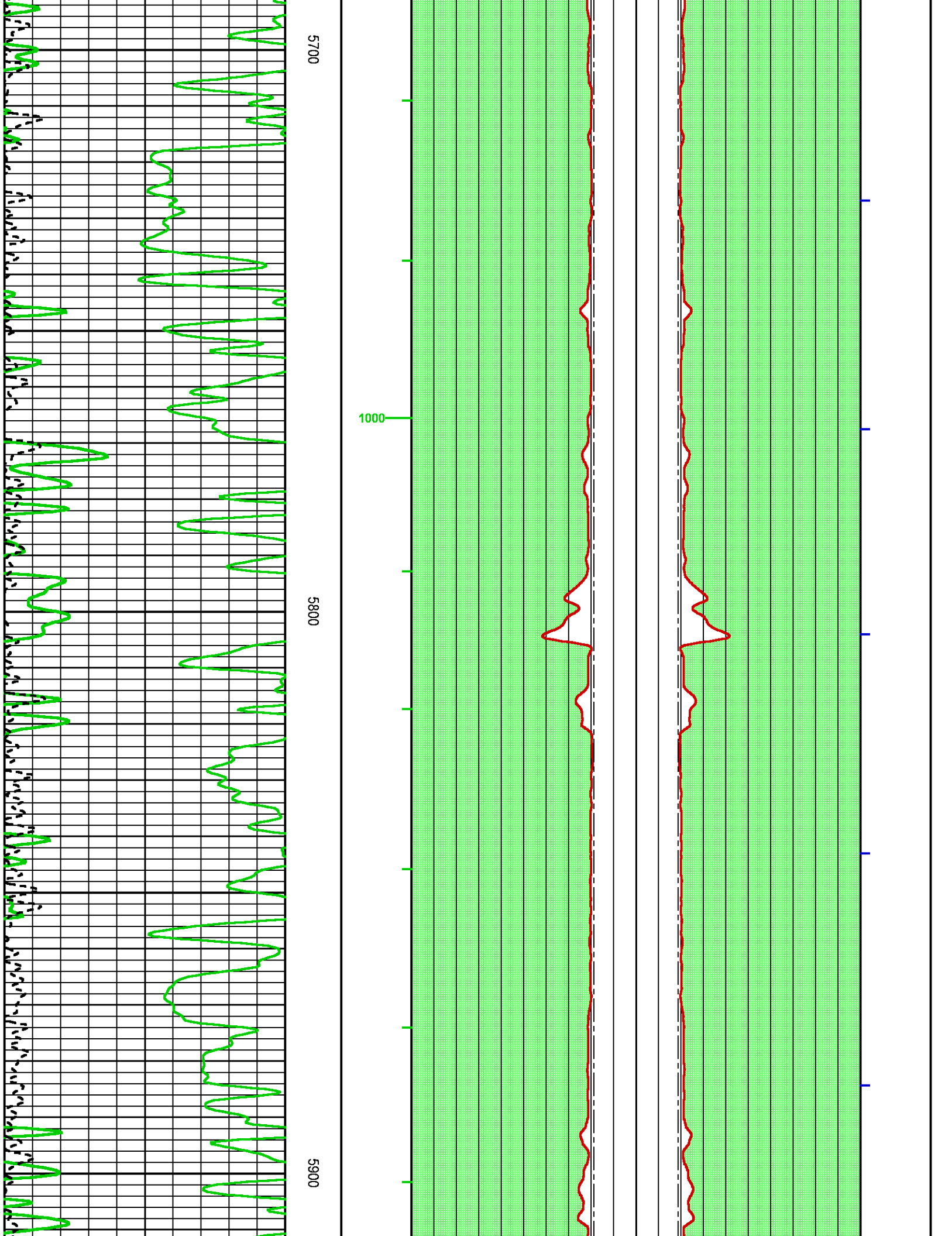


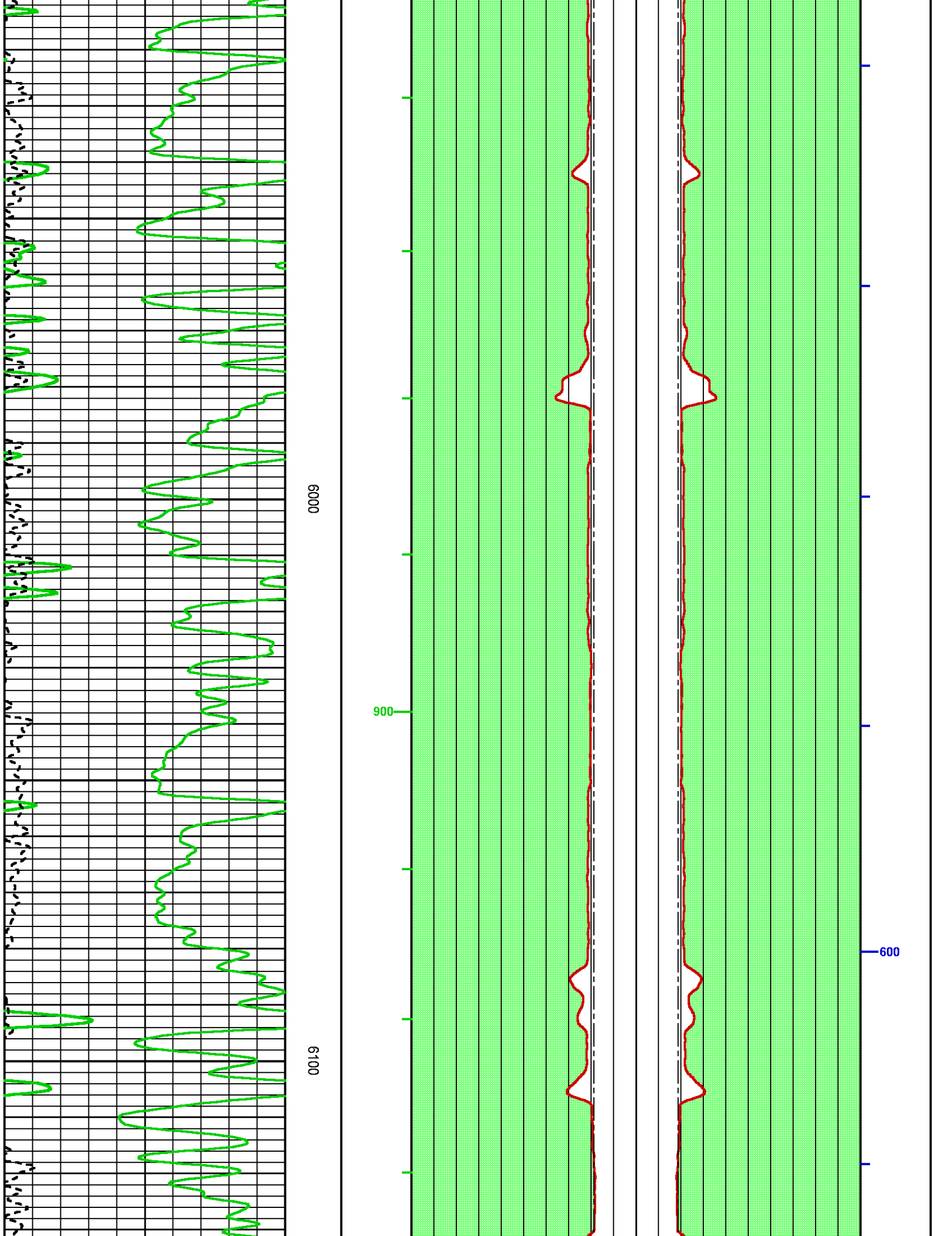
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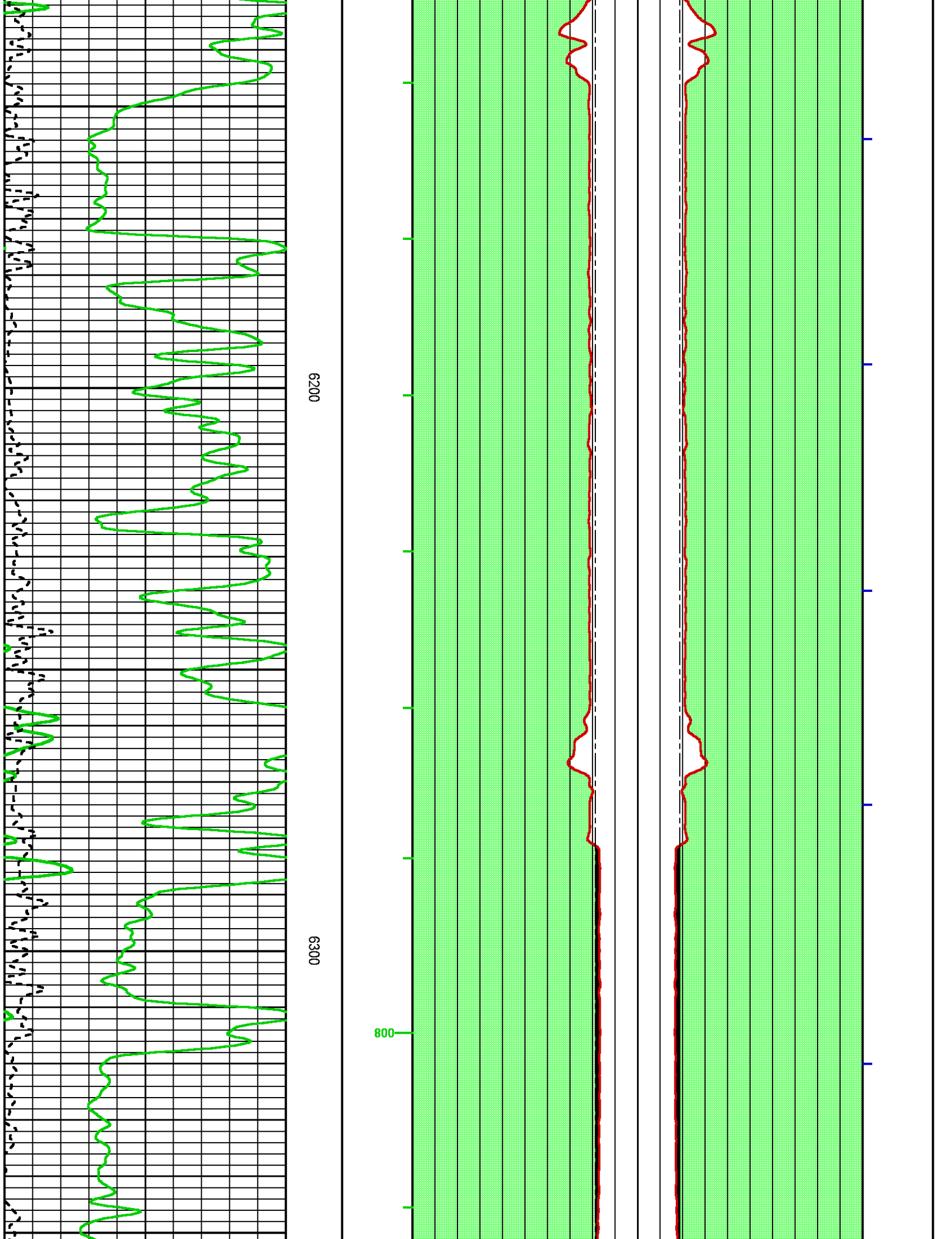
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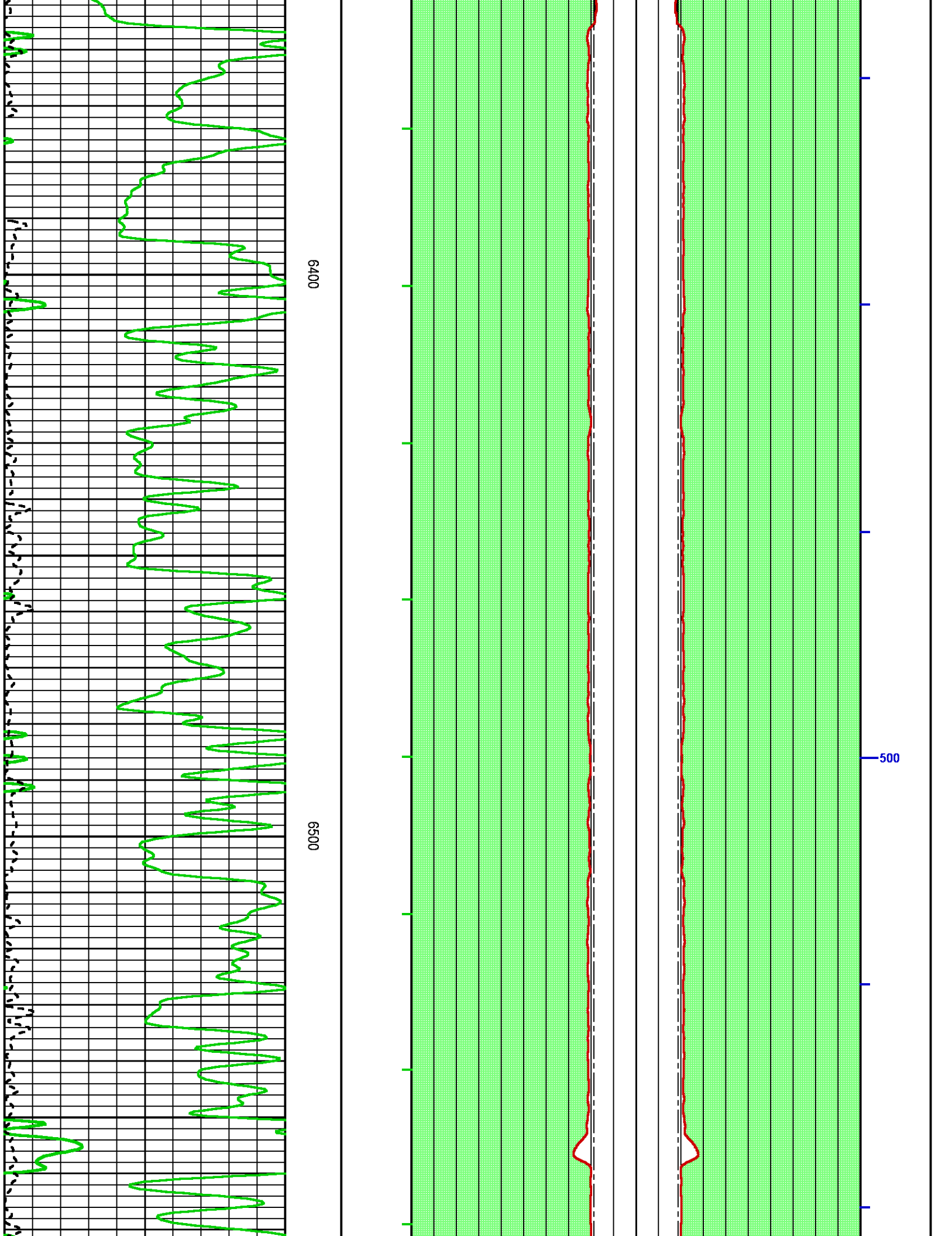
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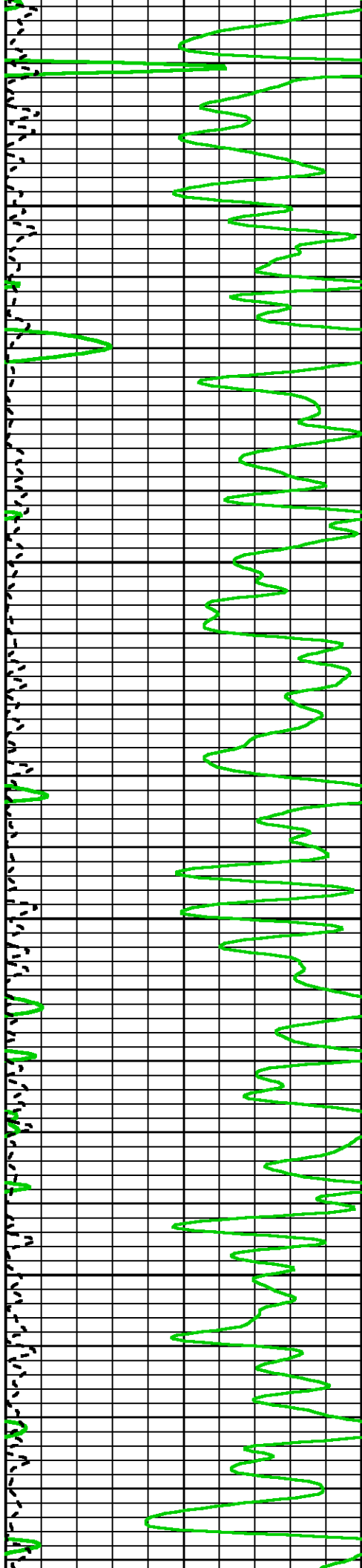
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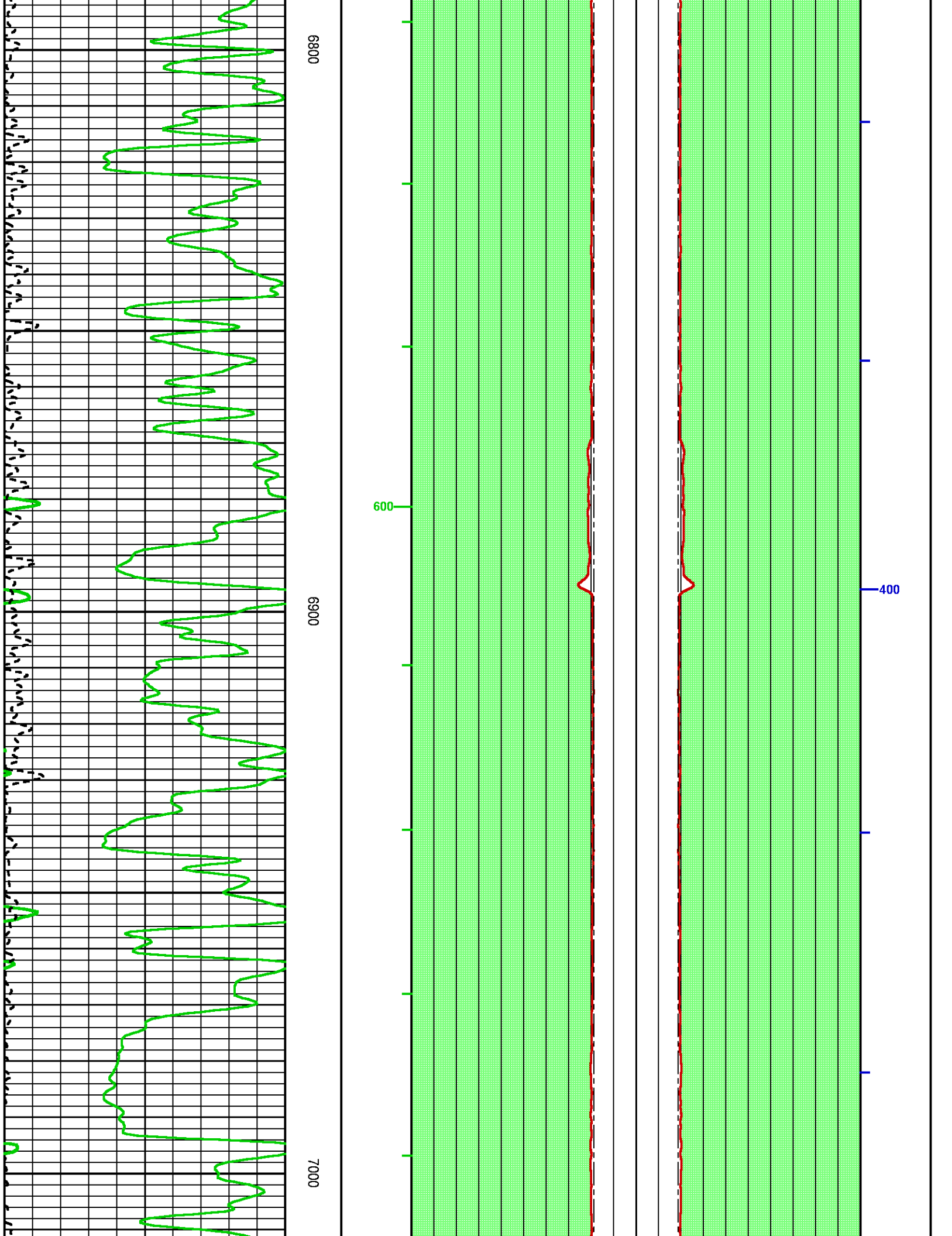


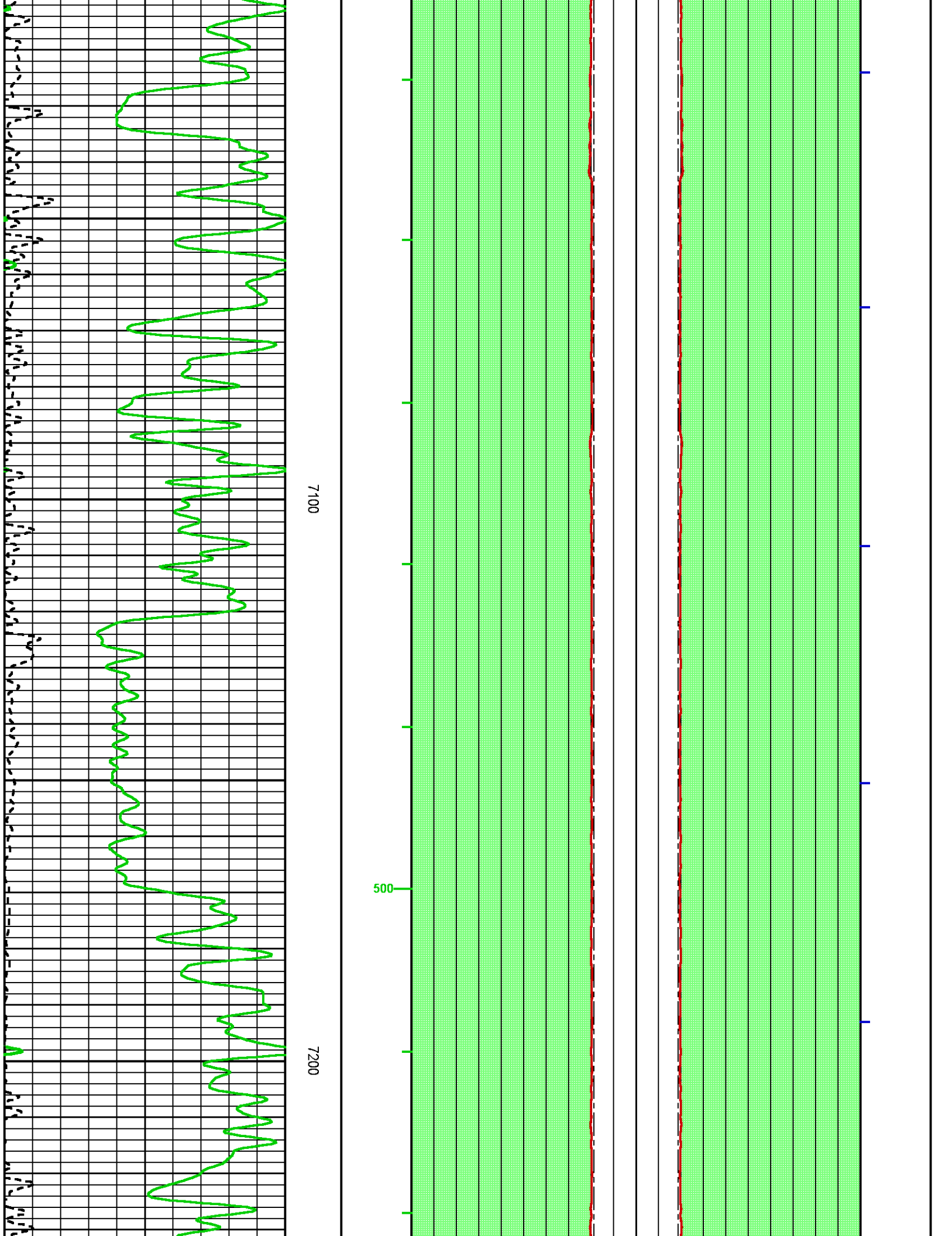


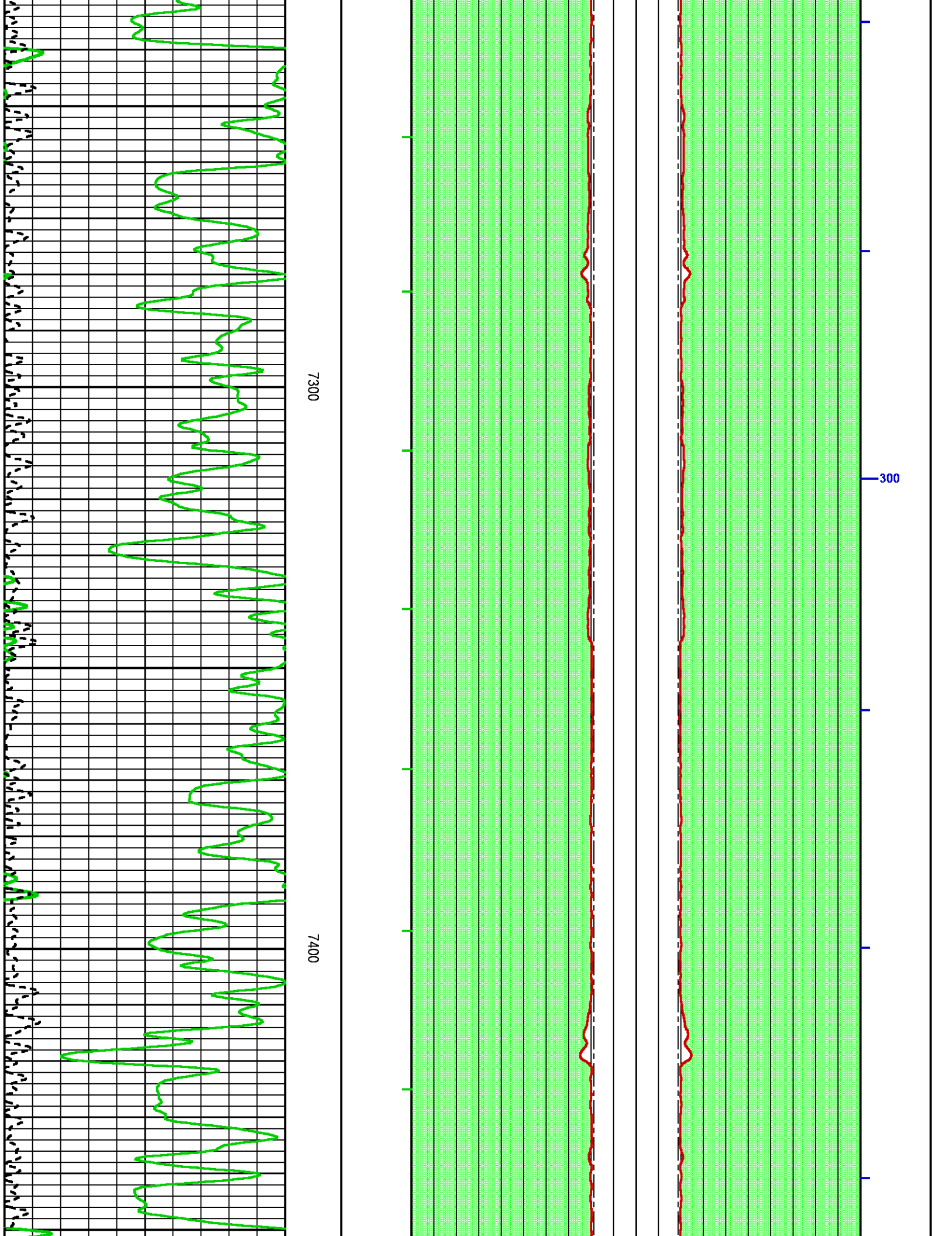
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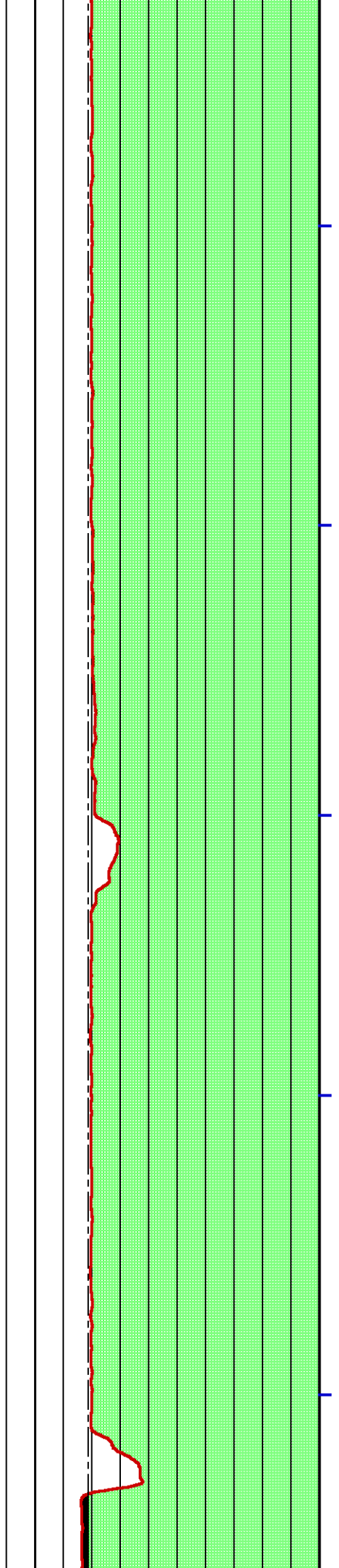
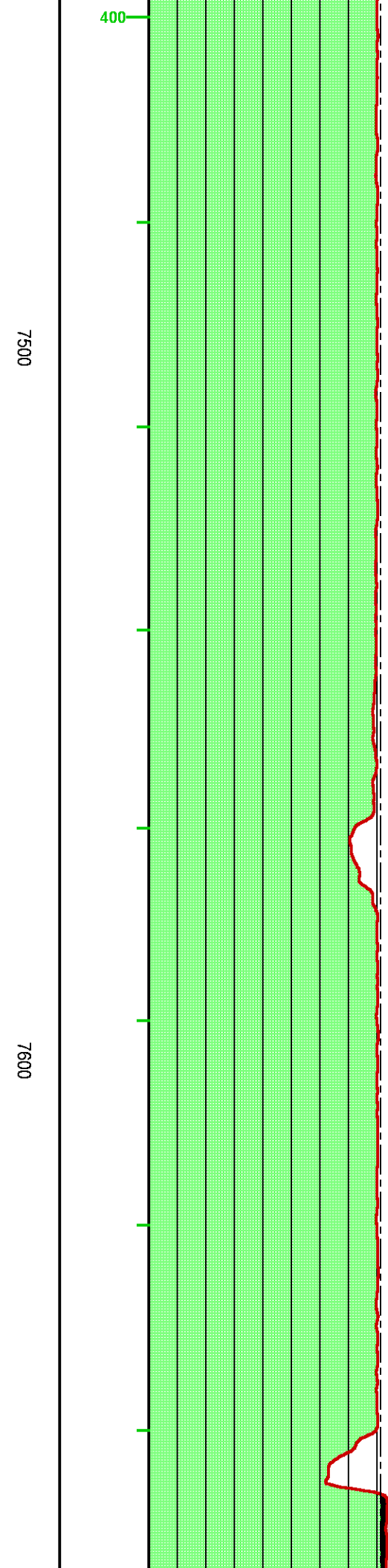
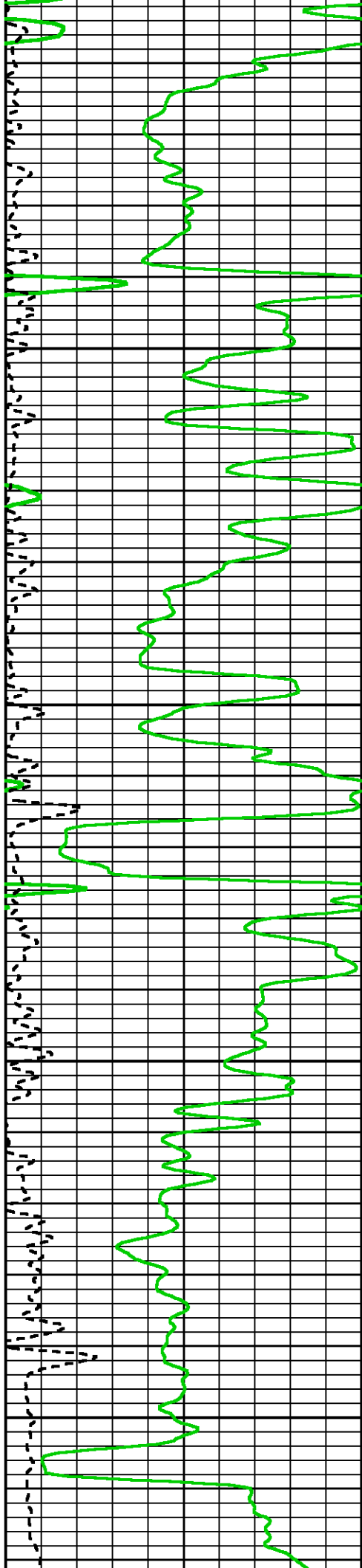
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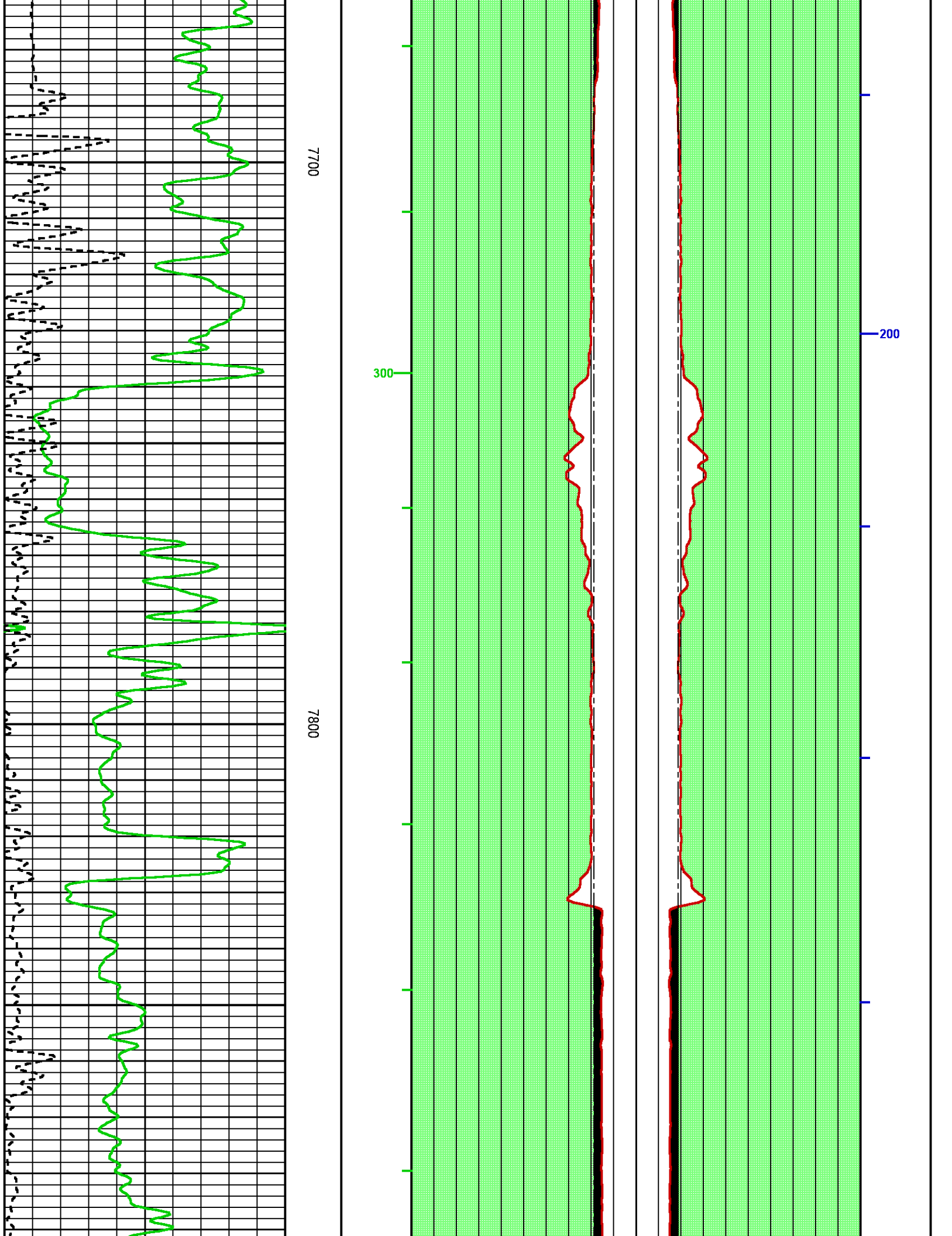
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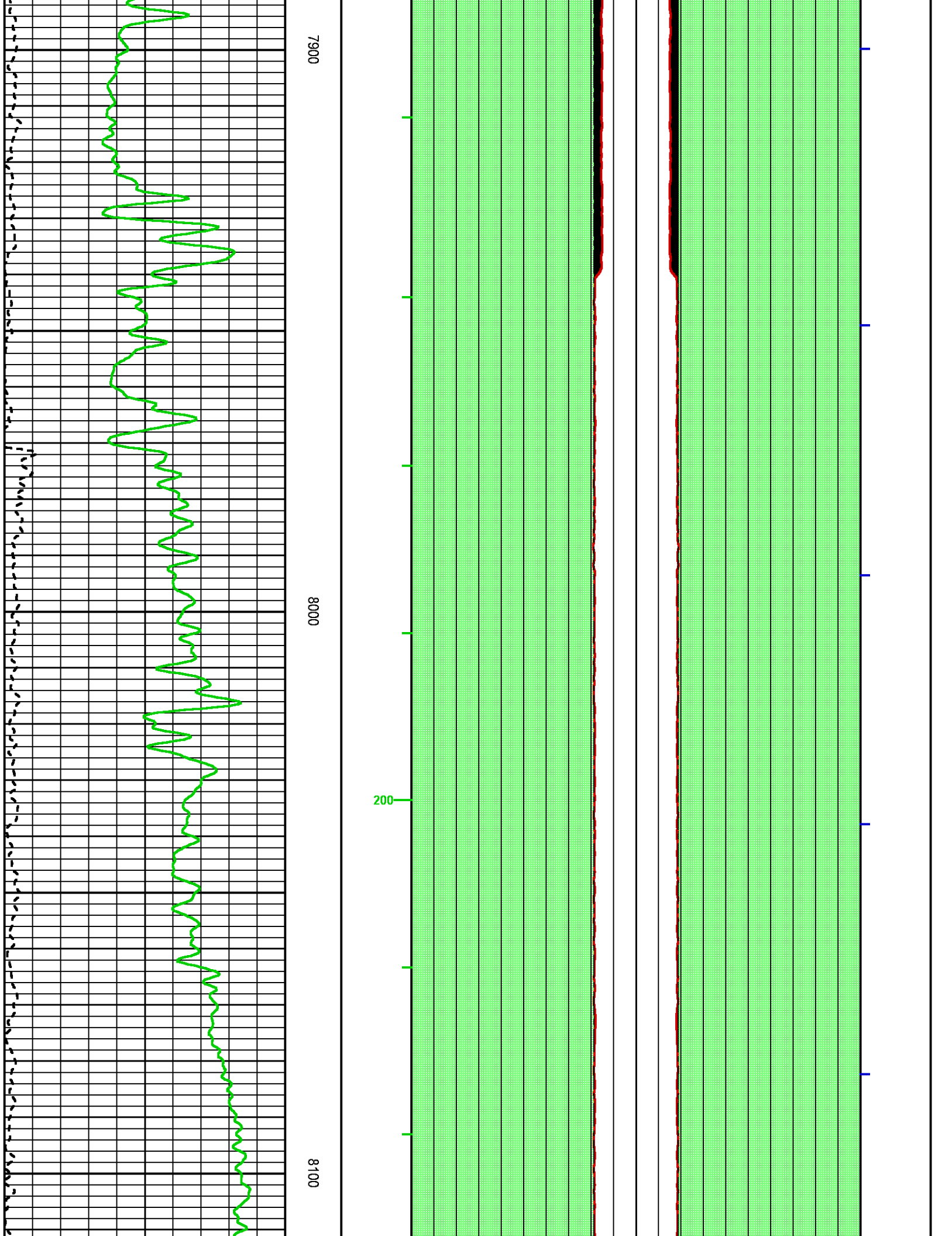


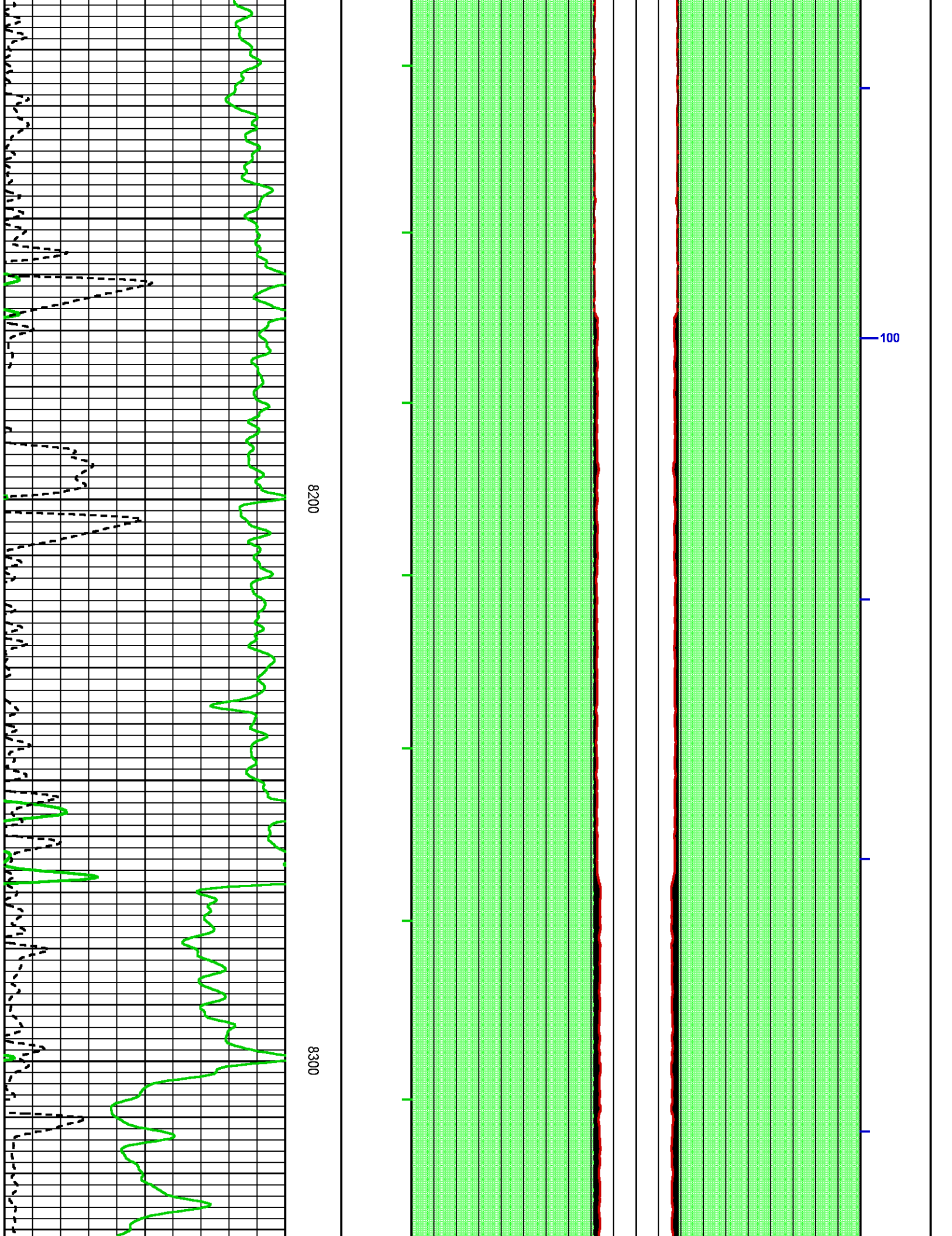


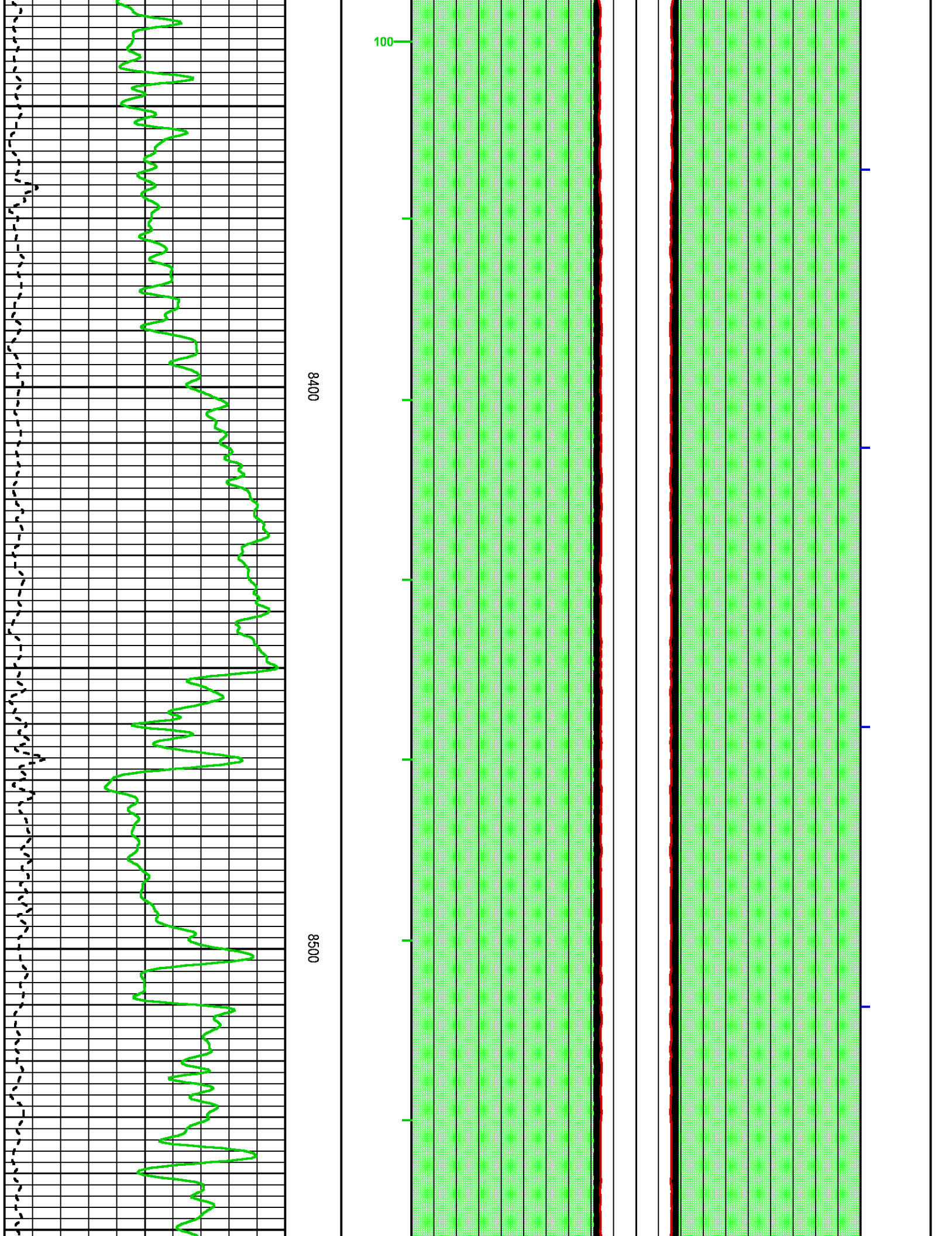


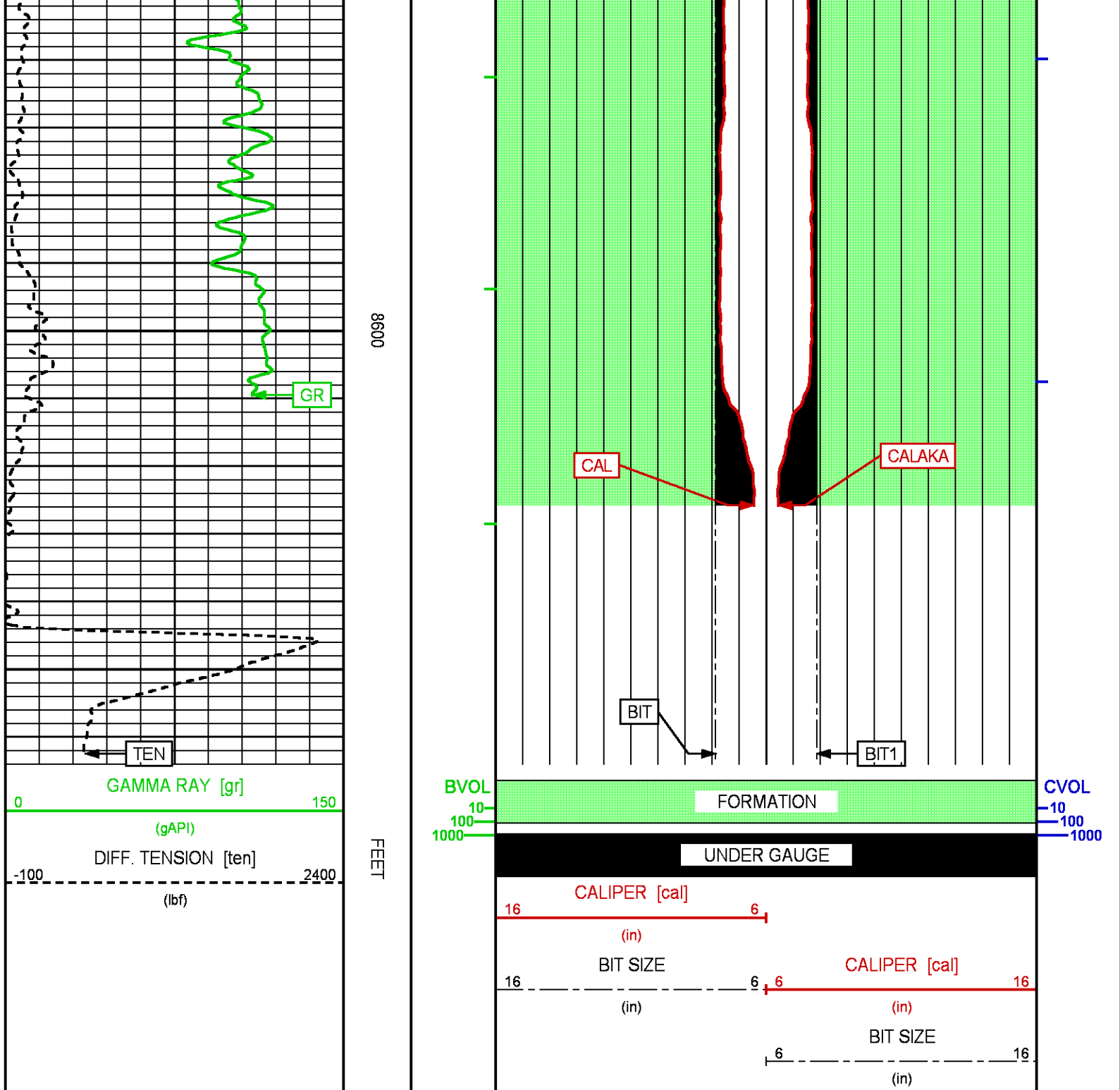












**BAKER
HUGHES**
a GE company



COMPANY
WELL
FIELD
COUNTY

LARAMIE ENERGY II LLC
GUNDERSON 0994-13-06W
VEGA
MESA

STATE **COLORADO**

FILE NO:

133119

API NO:

05077105410000

LOCATION:

SEC **13** **TWP** **9S** **RGE** **94W**

ELEVATIONS:

KB **7302 FT**

DF

GL **7272 FT**

DATE

07-Mar-2018

EOLIPS