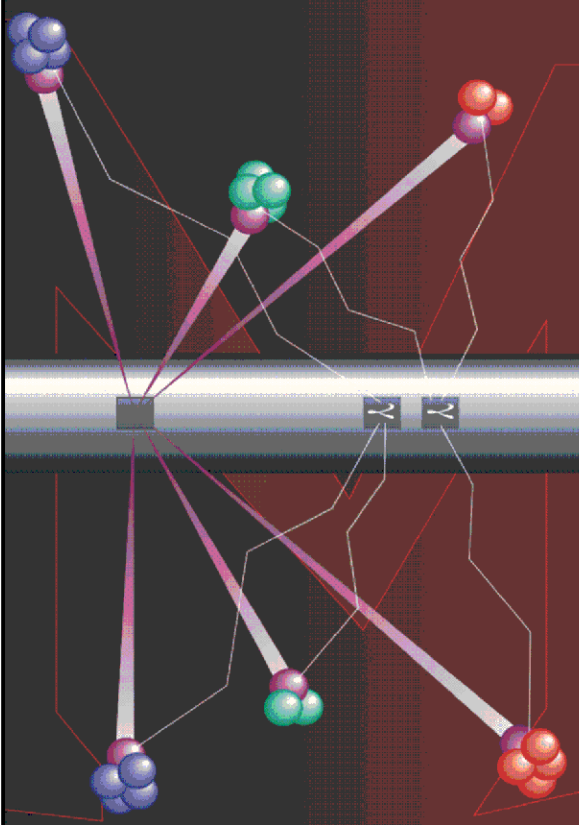


# Pulsed Neutron Formation Evaluation



## NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY II LLC

WELL NICHOLS 0994-13-21E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION: SEE REMARKS SECTION

SEC 24 TWP 9S RGE 94W

ELEVATIONS:

KB 7161 FT DF GL 7137 FT

DATE 18-Mar-2018 ECC US133008J

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.

### COMPUTATION PARAMETERS

COMPUTATION	LOGS USED: <u>RPM-C</u>		PROGRAM: <u>NEO</u>	
	CENTER: <u>CALGARY GEOSCIENCE</u>	LOG ANALYST: <u>A. KOTOV</u>		DATE: <u>20-Mar-2018</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>		ENGINEER: <u>R. ZUNIGA/US133004J</u>	DATE: <u>18-Mar-2018</u>
FROM	TO			
<u>2500 FT</u>	<u>7820 FT</u>			

### REMARKS

LOCATION:  
SHL 1783 FNL 2777 FEL  
BHL 112 FNL 1494 FEL

TRAINING WELL: NICHOLS 0994-24-06W

ANY ERRORS IN THE TRAINING WELL OPEN HOLE DATA CAN PERPETUATE TROUGH AS AN ERROR IN THE EMULATED RESULTS.

BOND LOG IS DEPTH REFERENCE LOG

ANALYST: ALEXANDR KOTOV

# NEO RESULTS FOR NICHOLS 0994-13-21E (G-SAND)

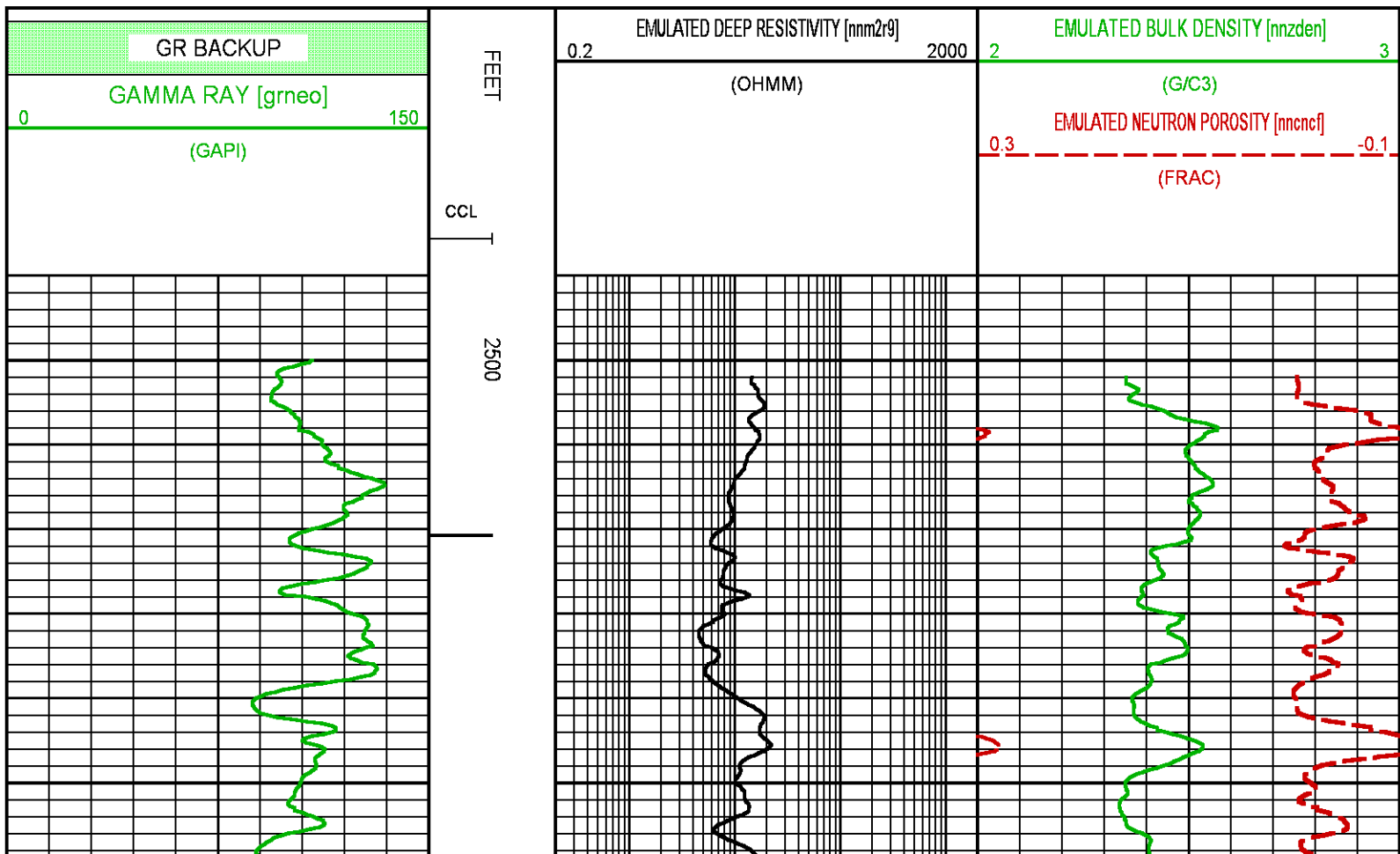
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 5.0.7343.1 Sun 02/07/2016 16:48:51.73

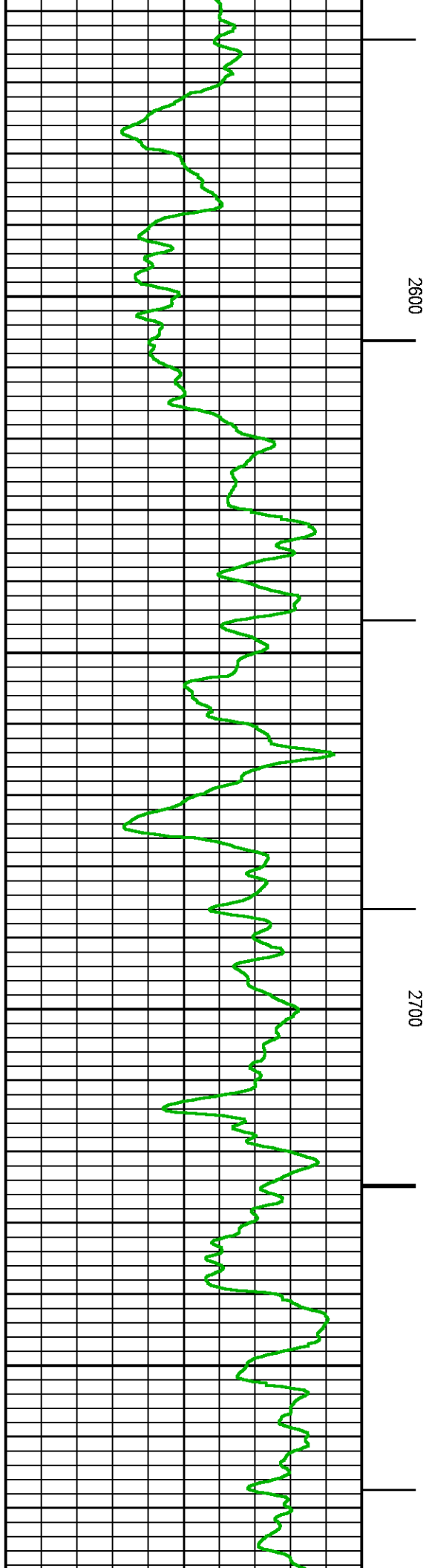
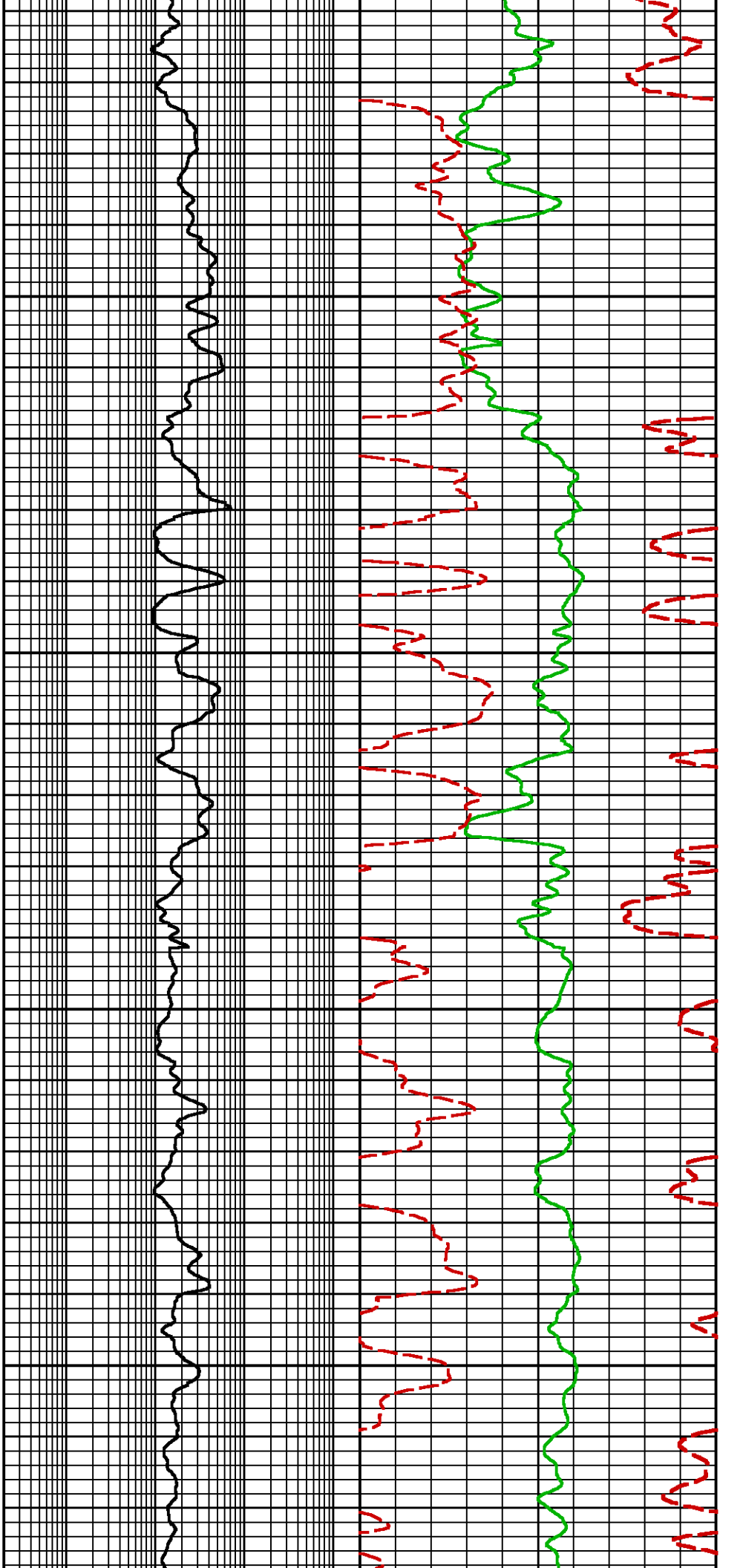
Plotted: Tue Mar 20 09:05:24 2018

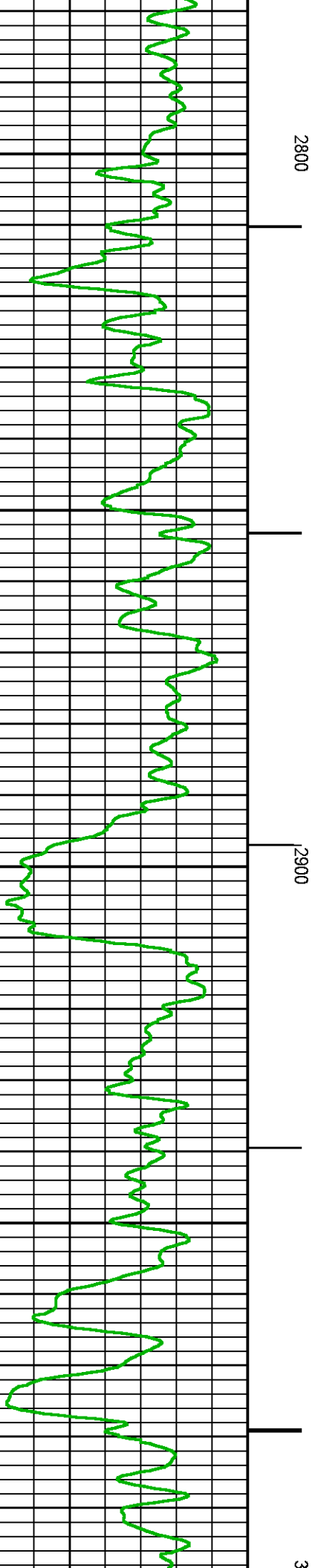
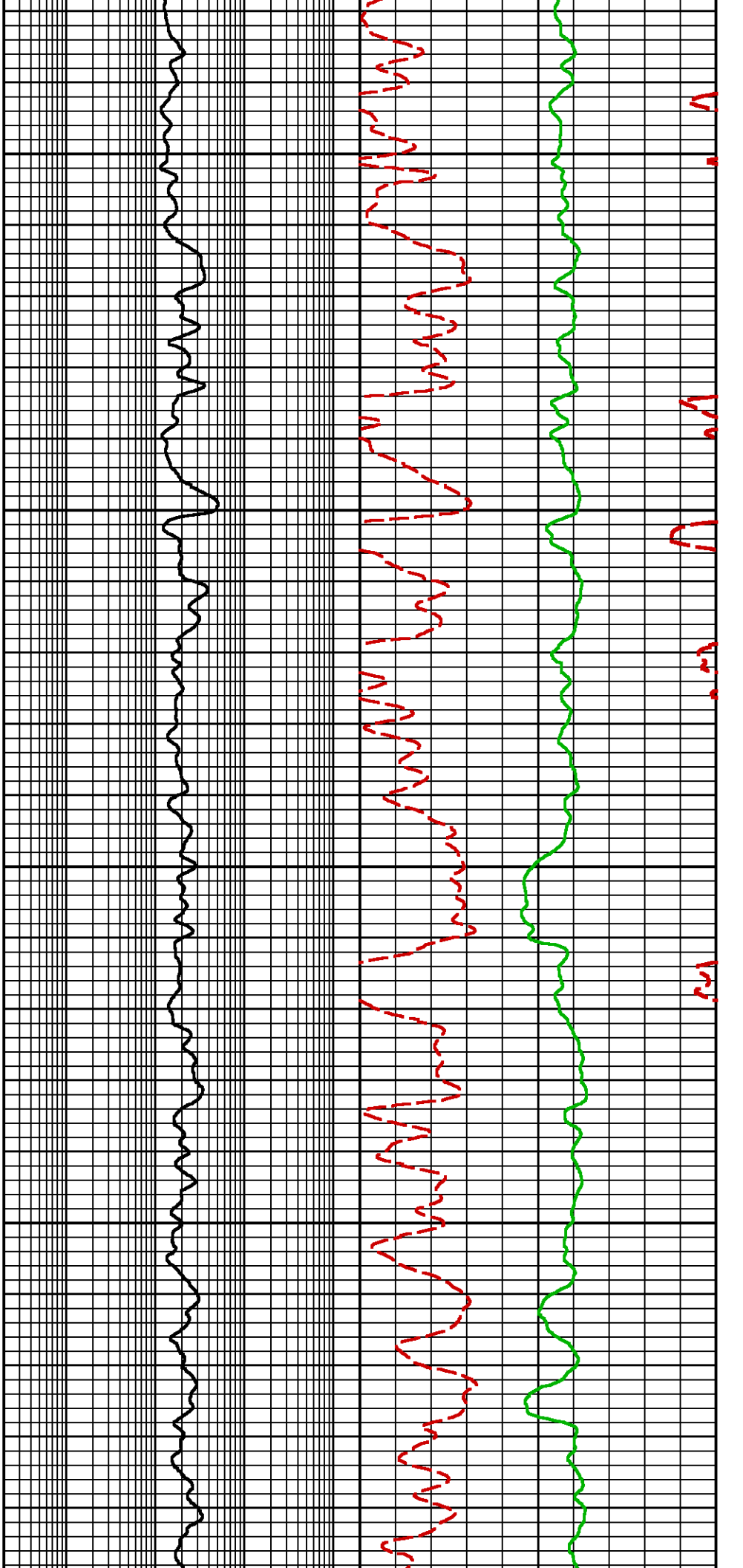
## CURVE MEASURE POINT OFFSET

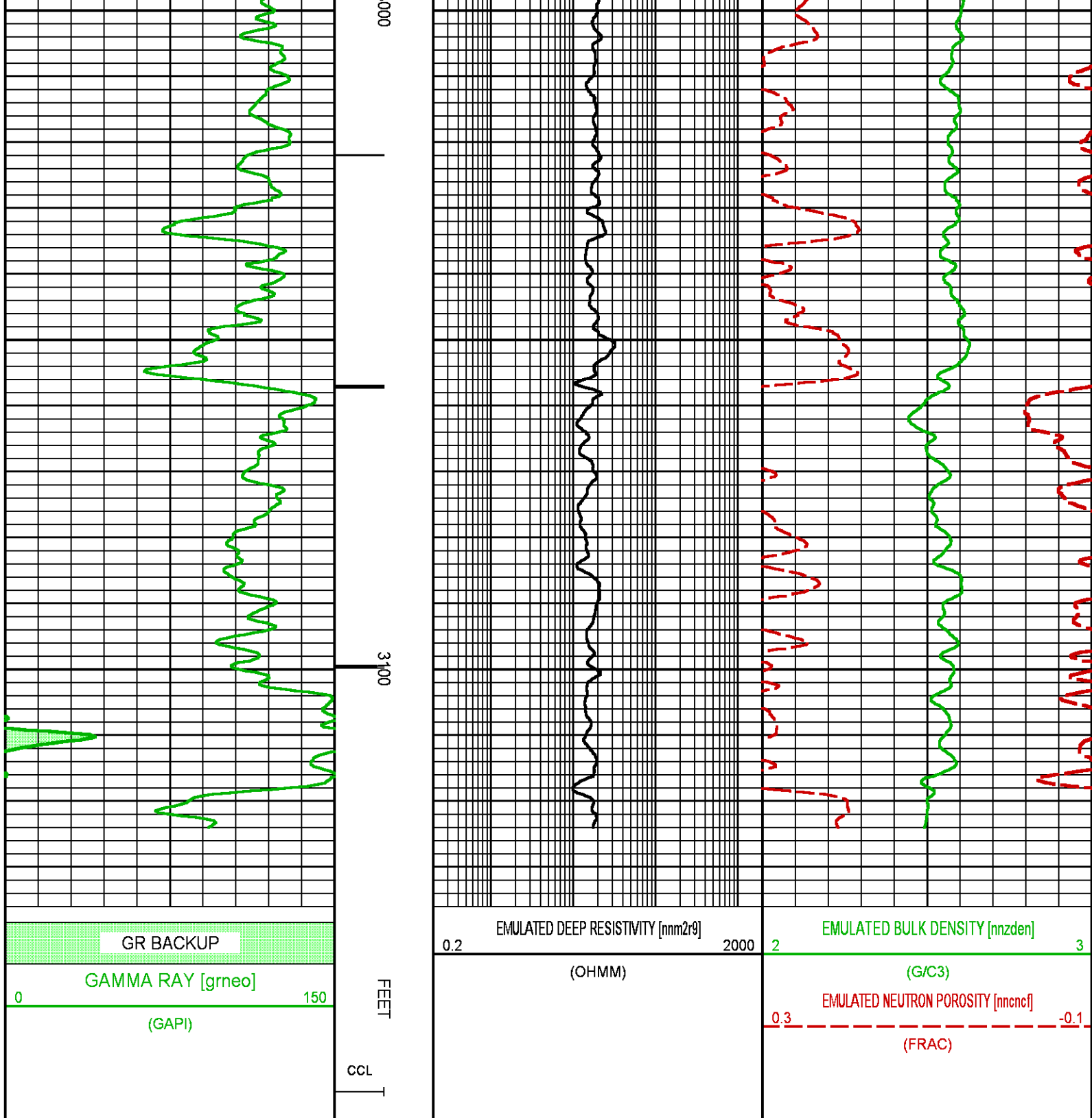
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNC	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

**Project** : NA  
**User** : kotoale  
**Presentation** : BHI1F65XZ1:D:\Ape\_Projects\Laramie\_NICHOLS\_0994\_13\_21E\_NEO\NEO\_PRESENTATION\_LARAMIE\_G-Sand.pdf [5"/100' Scale]  
**Plot Interval** : 2490 - 3135 Feet  
**Data File 1** : F1 : BHI1F65XZ1:D:\Ape\_Projects\Laramie\_NICHOLS\_0994\_13\_21E\_NEO\Merged\_Set\_Final.xtf  
**Created On** : N/A  
**Company** : LARAMIE ENERGY II LLC  
**Well** : NICHOLS 0994-13-21E  
**Field** : VEGA  
**File Interval** : 2500 - 7820 Feet  
**OCT** : NA









## NEO RESULTS FOR NICHOLS 0994-13-21E (MAIN)

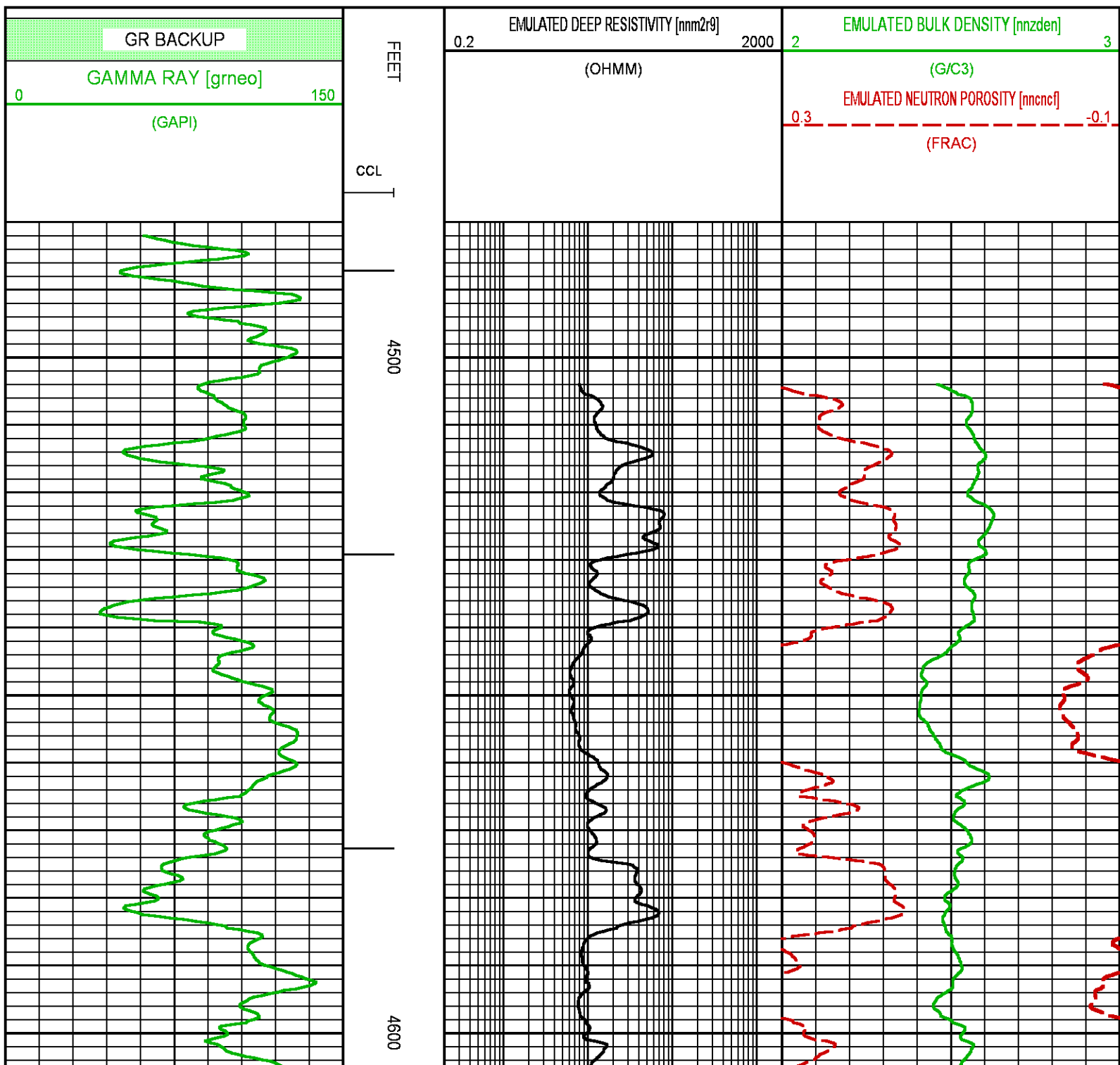
# CURVE MEASURE POINT OFFSET

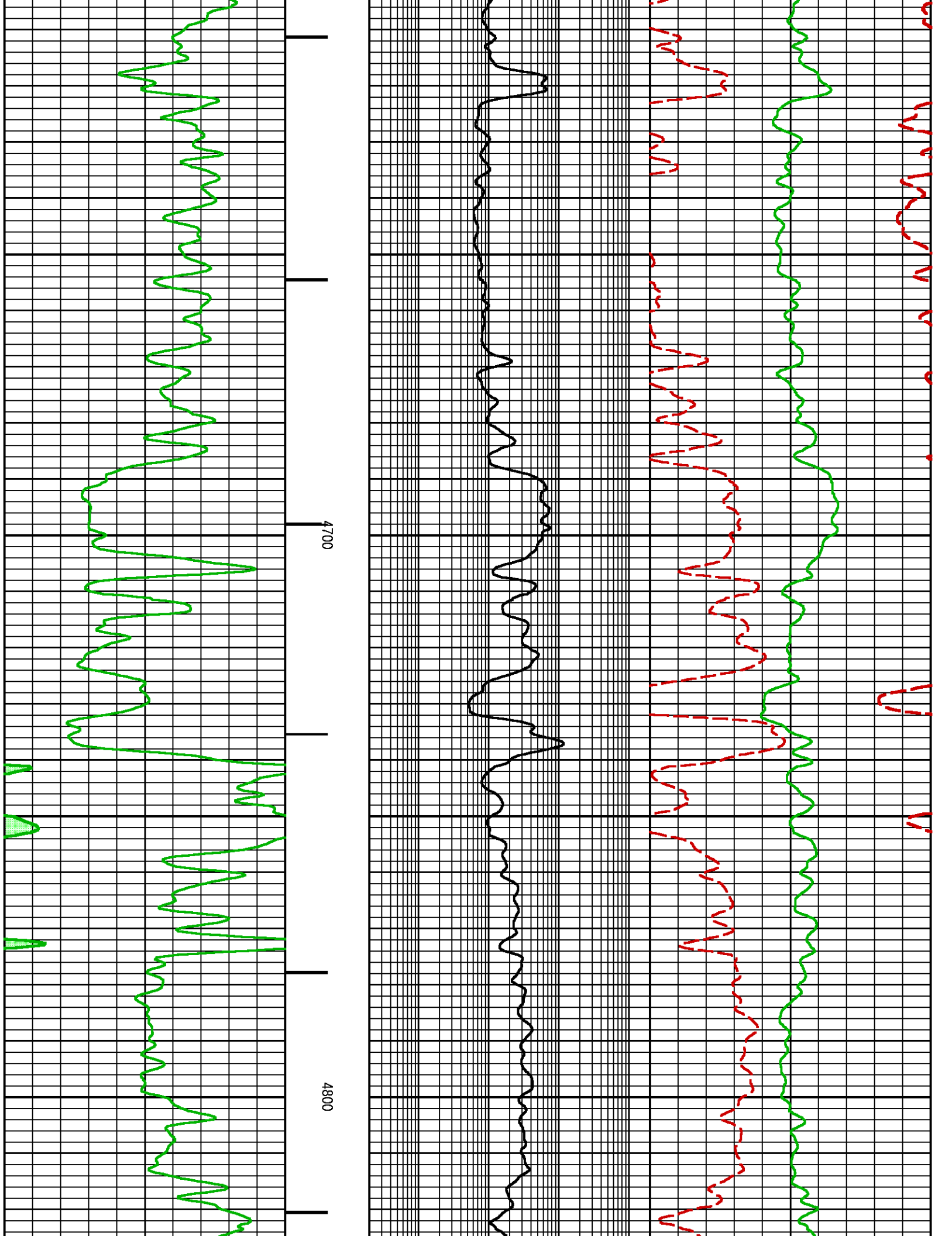
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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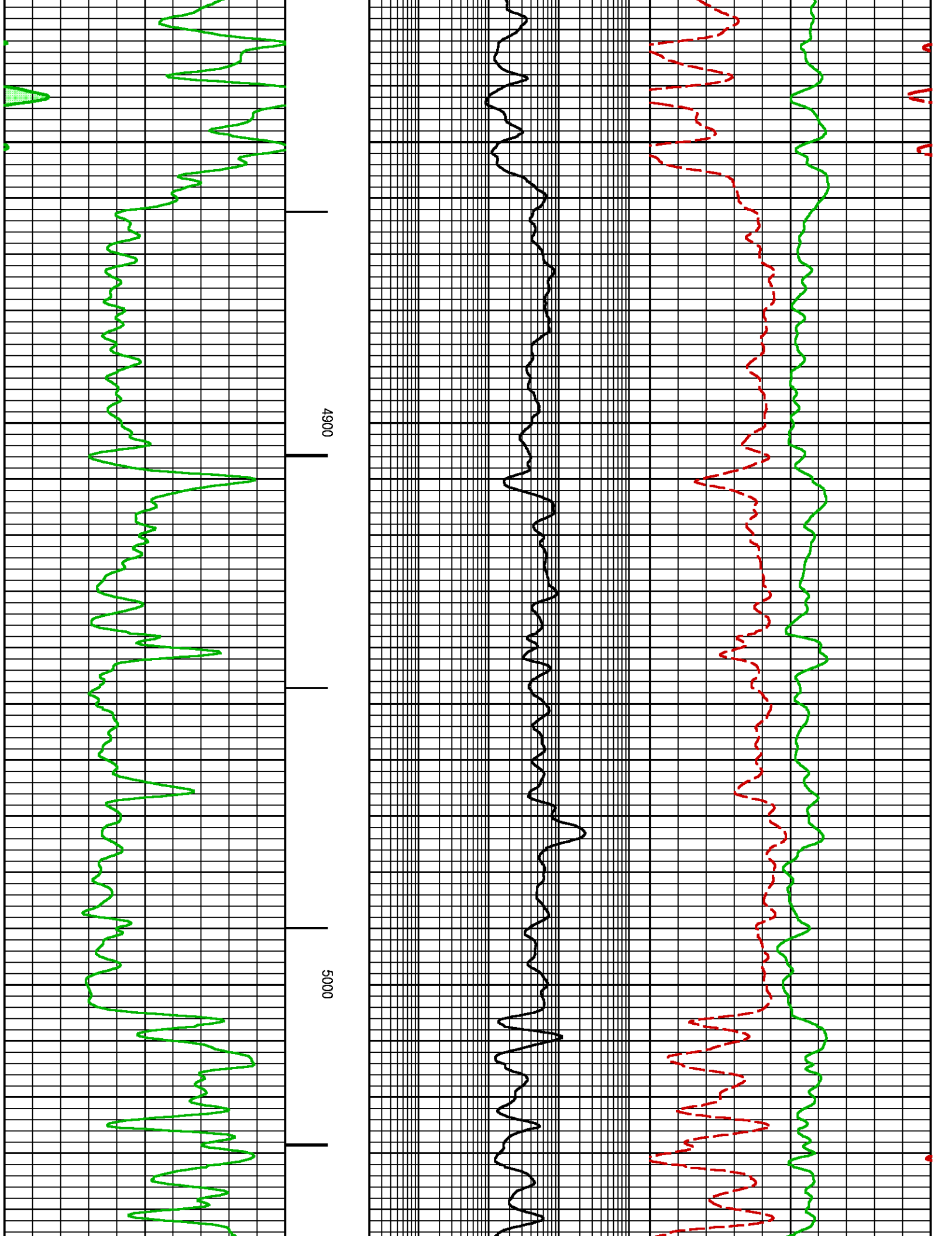
CCL	0.00	NNCNCf	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

**Project** : NA  
**User** : kotoale  
**Presentation** : BHI1F65XZ1:D:\Ape\_Projects\Laramie\_NICHOLS\_0994\_13\_21E\_NEO\NEO\_PRESENTATION\_LARAMIE\_MAIN.pdf [5"7/100' Scale]  
**Plot Interval** : 4480 - 7825 Feet

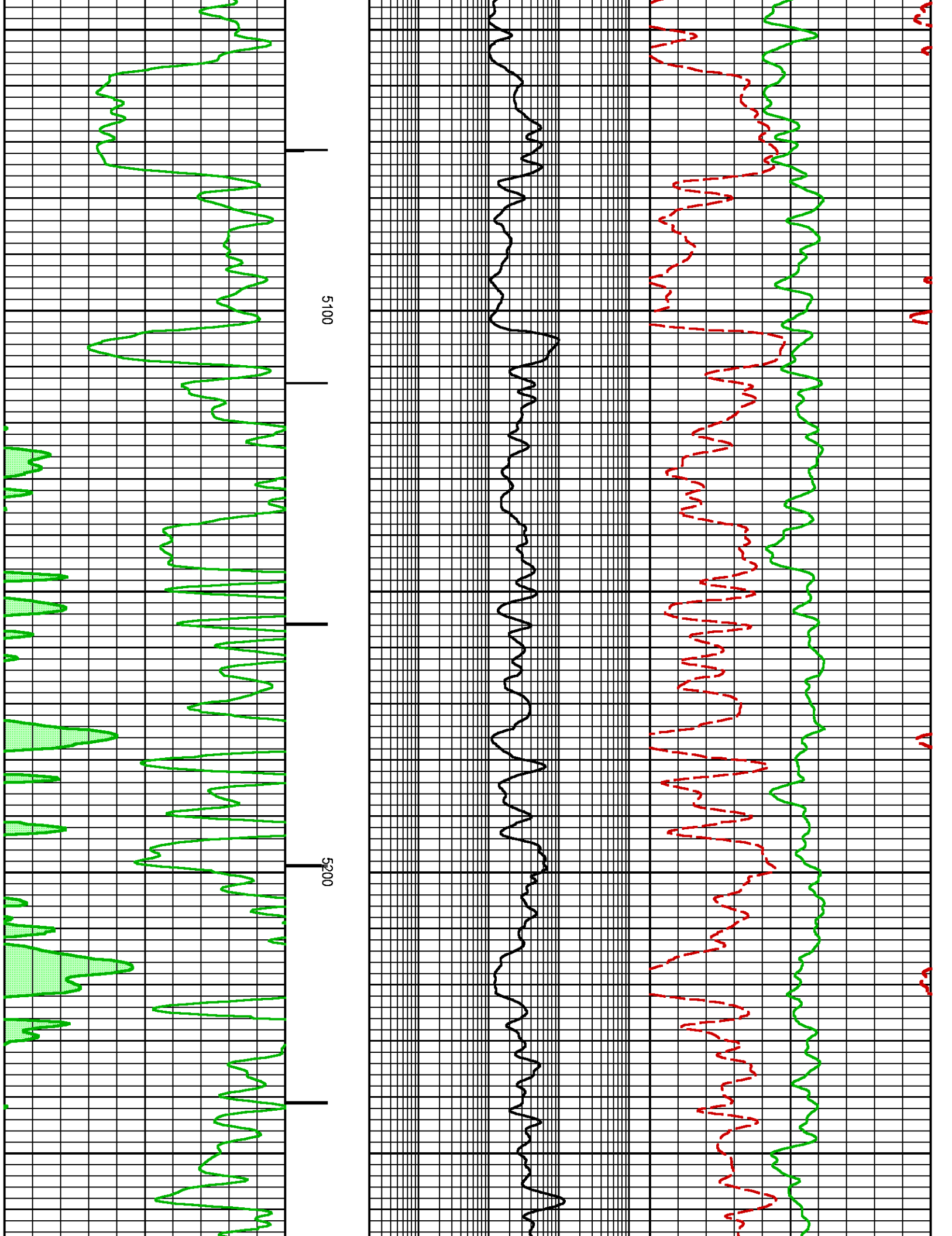
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**Created On** : N/A  
**Company** : LARAMIE ENERGY II LLC  
**Well** : NICHOLS 0994-13-21E  
**Field** : VEGA  
**File Interval** : 2500 - 7820 Feet  
**OCT** : NA

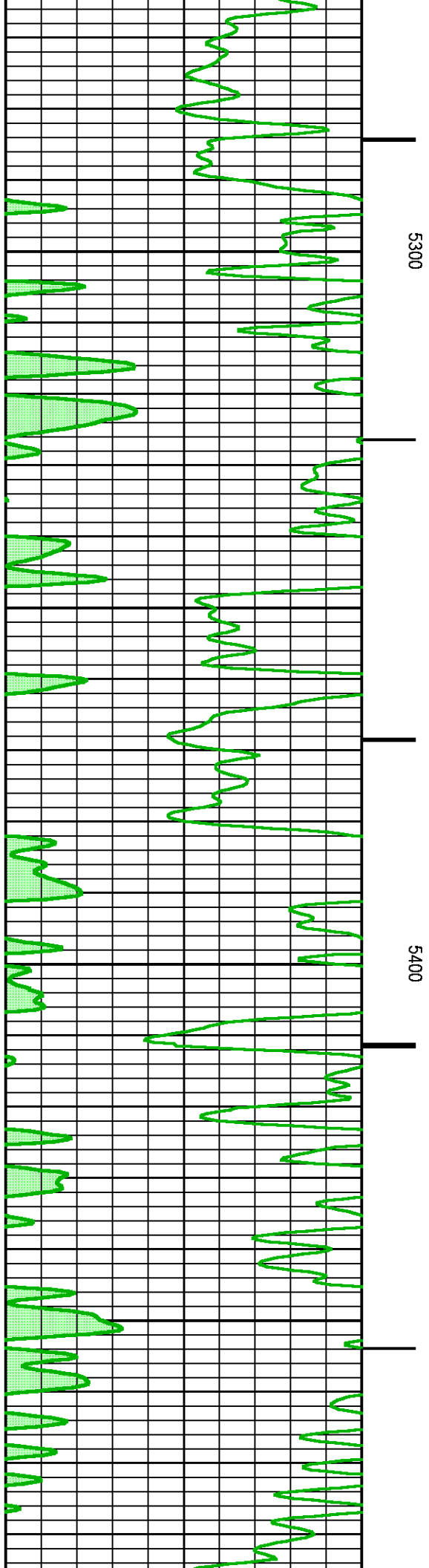
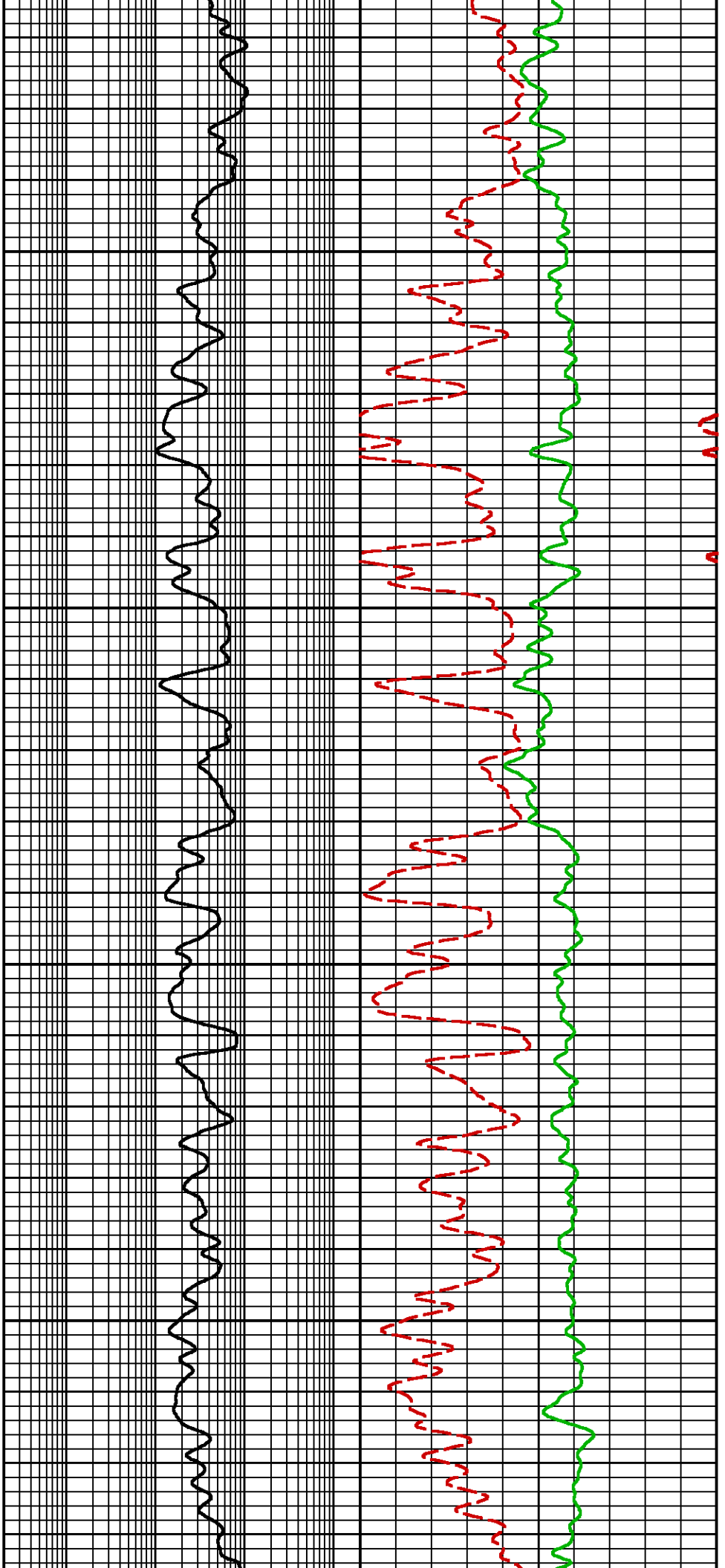


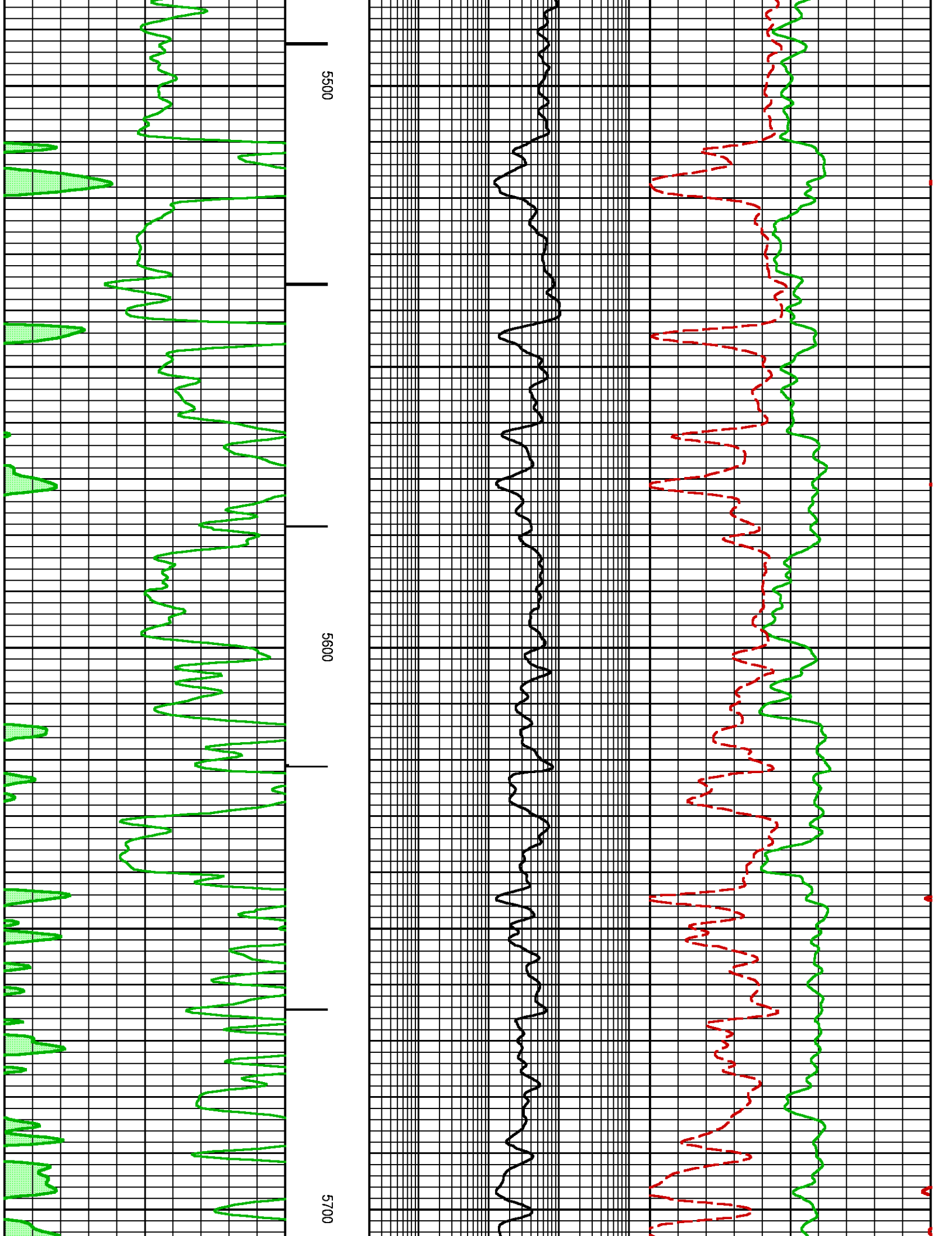


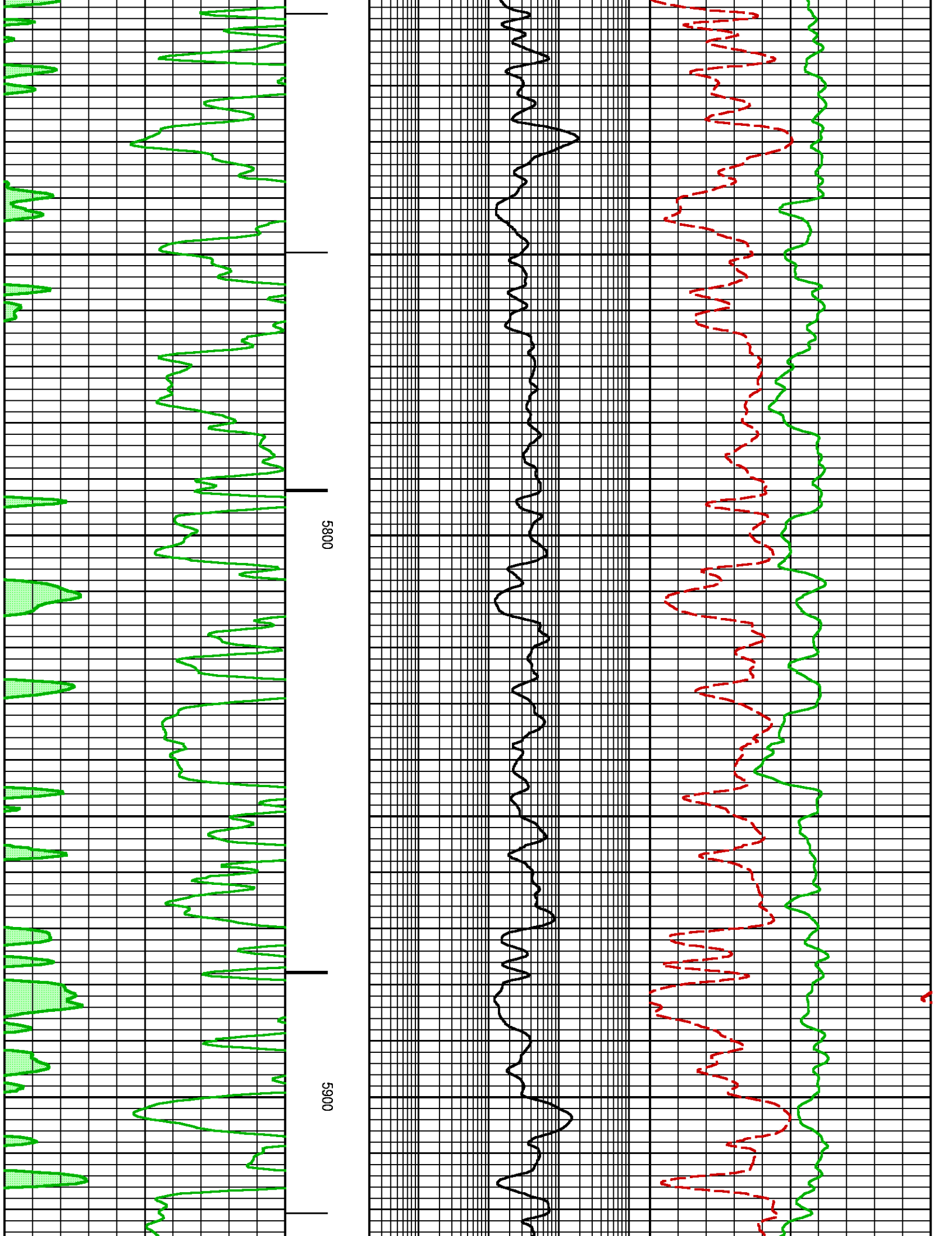


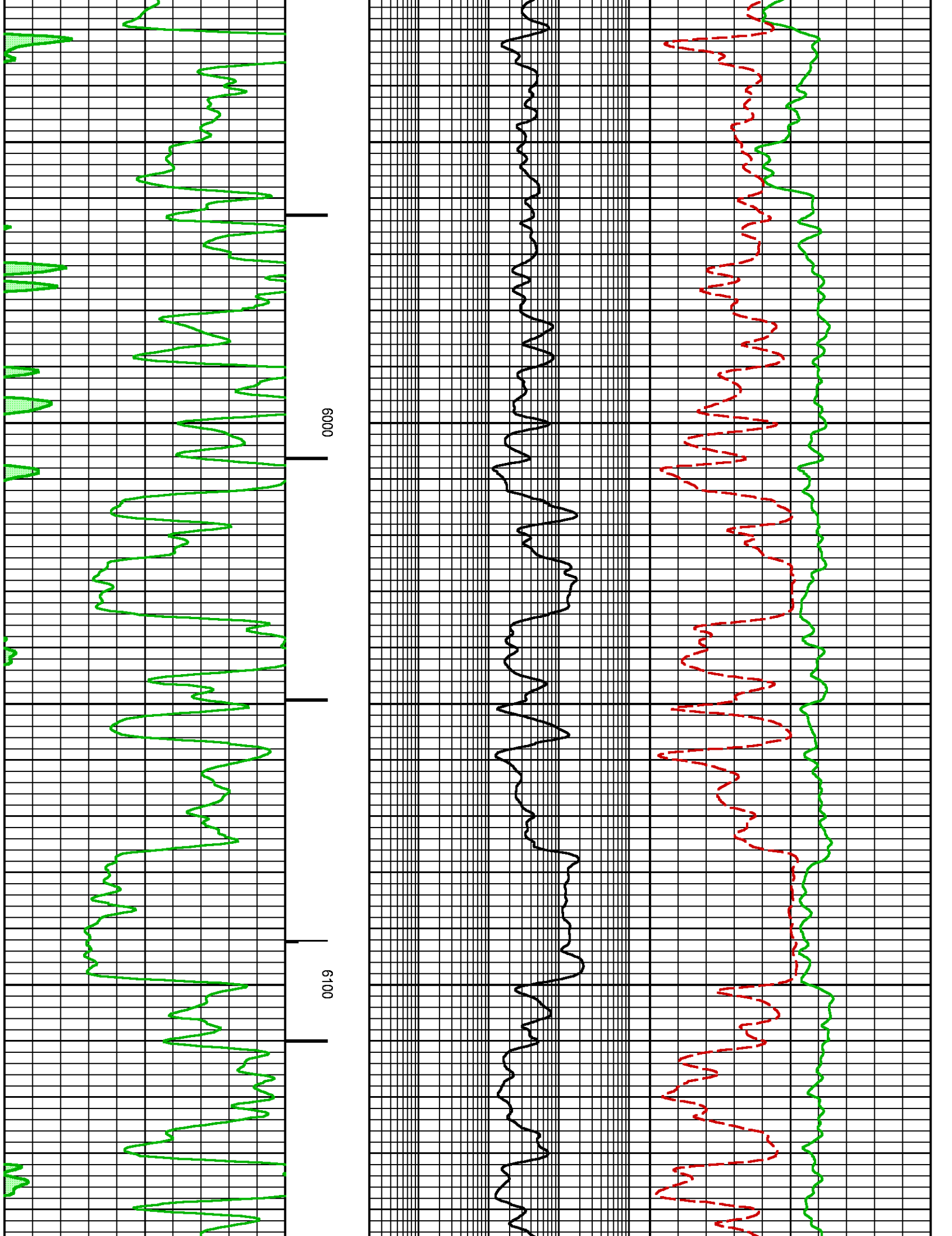


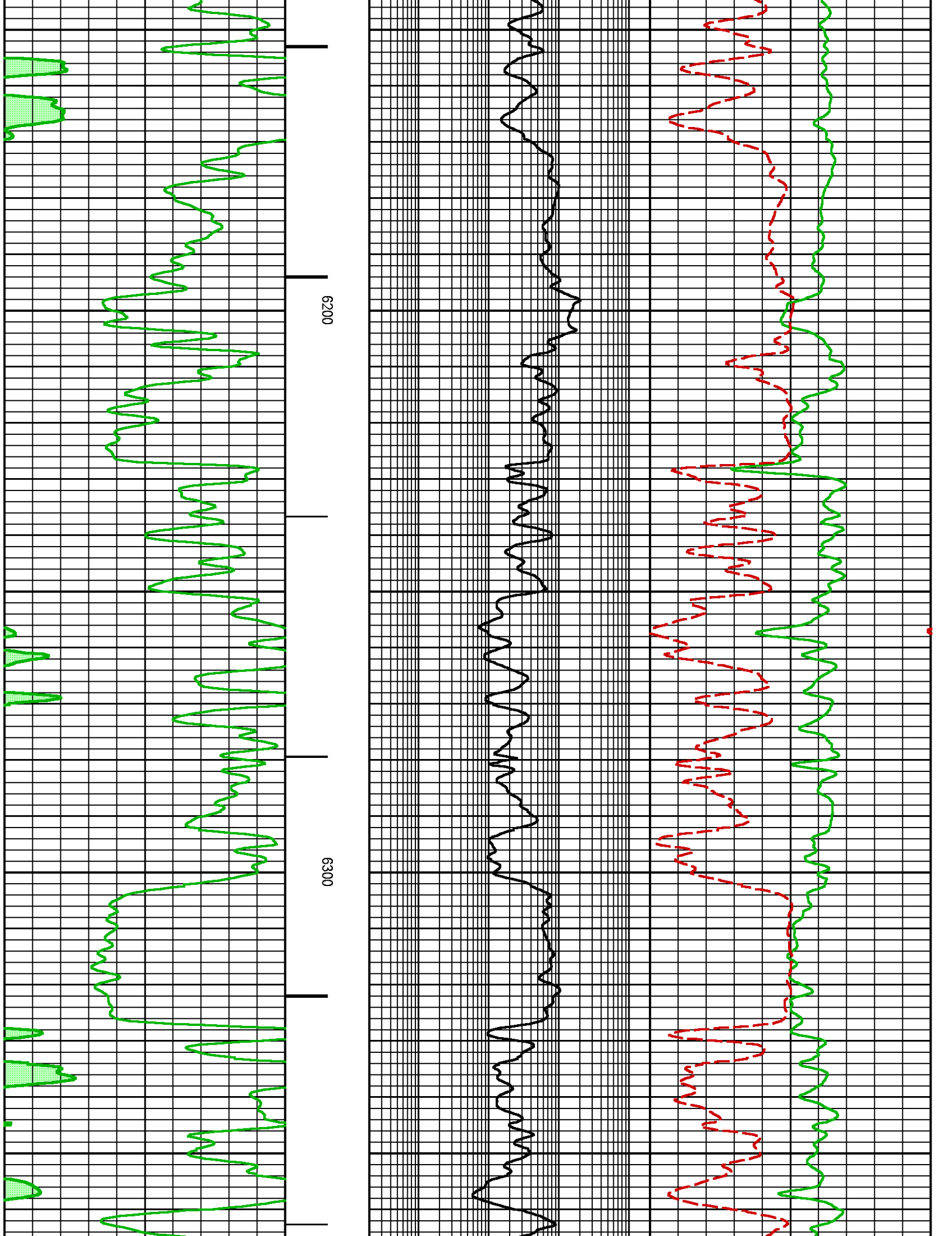


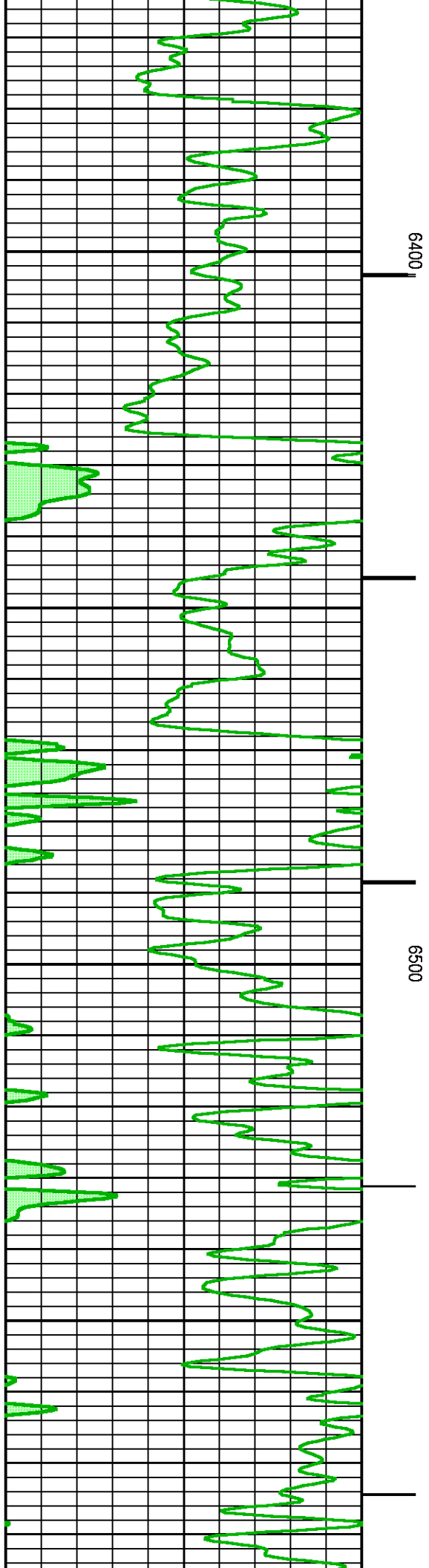
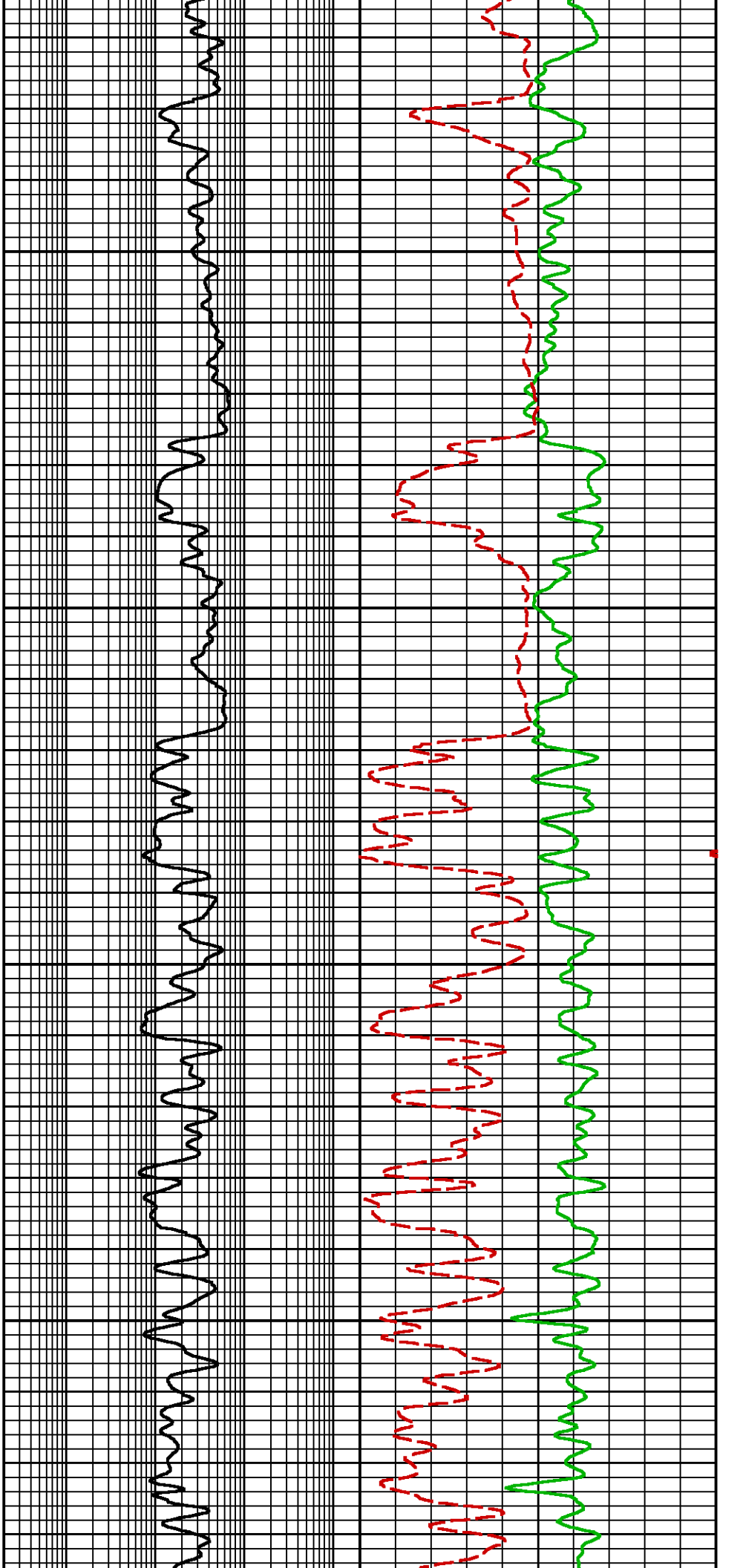


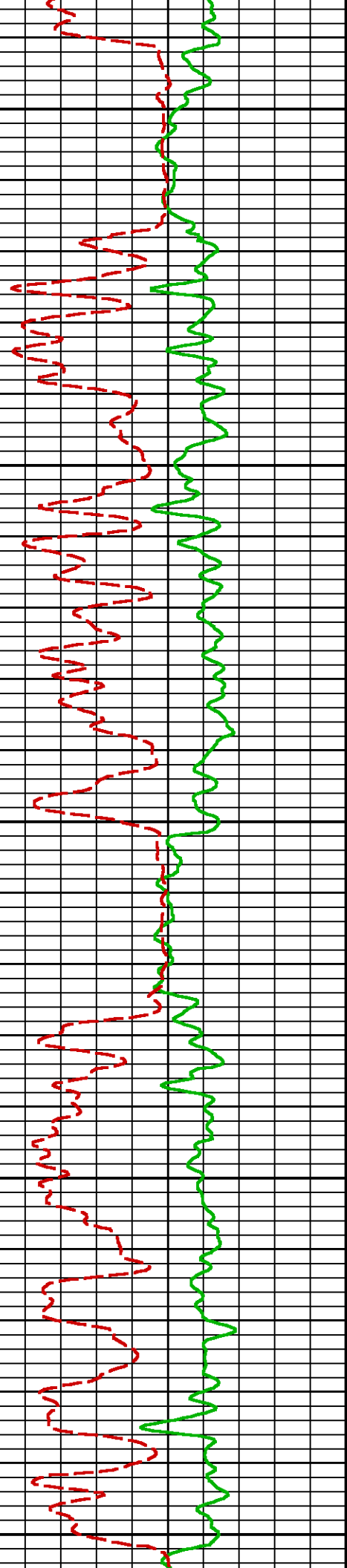
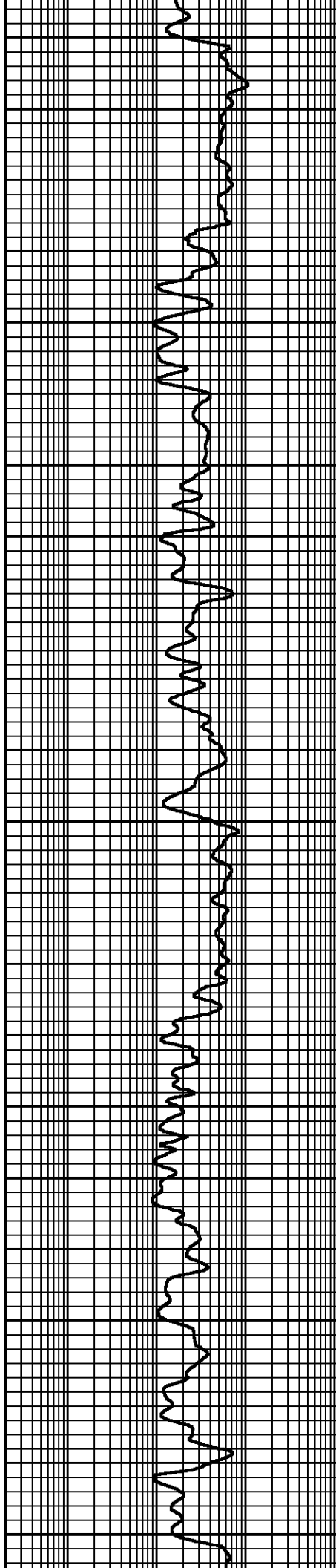
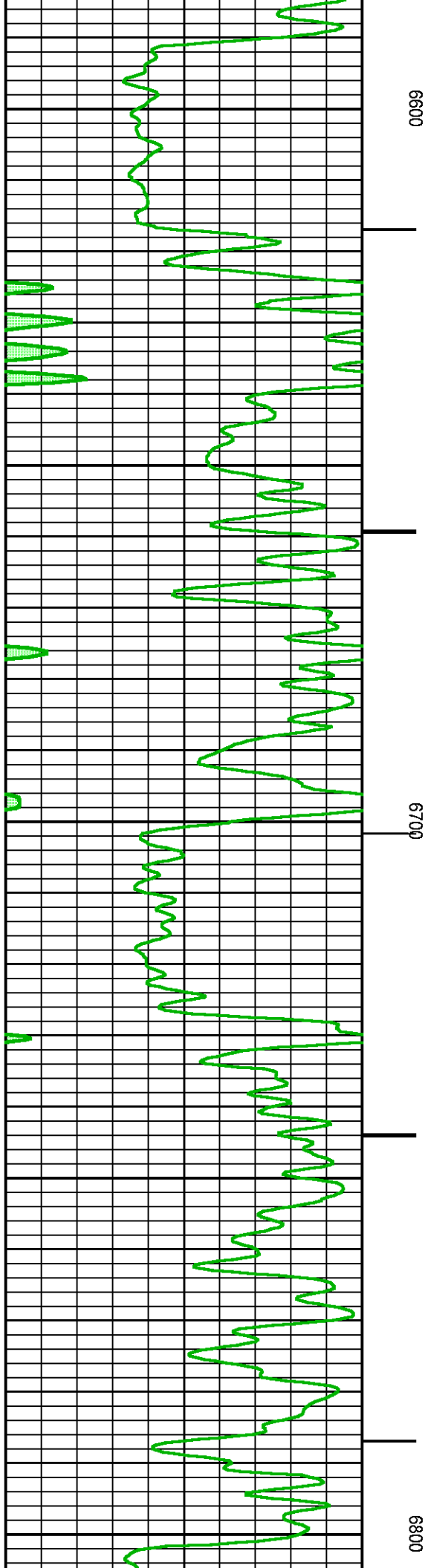




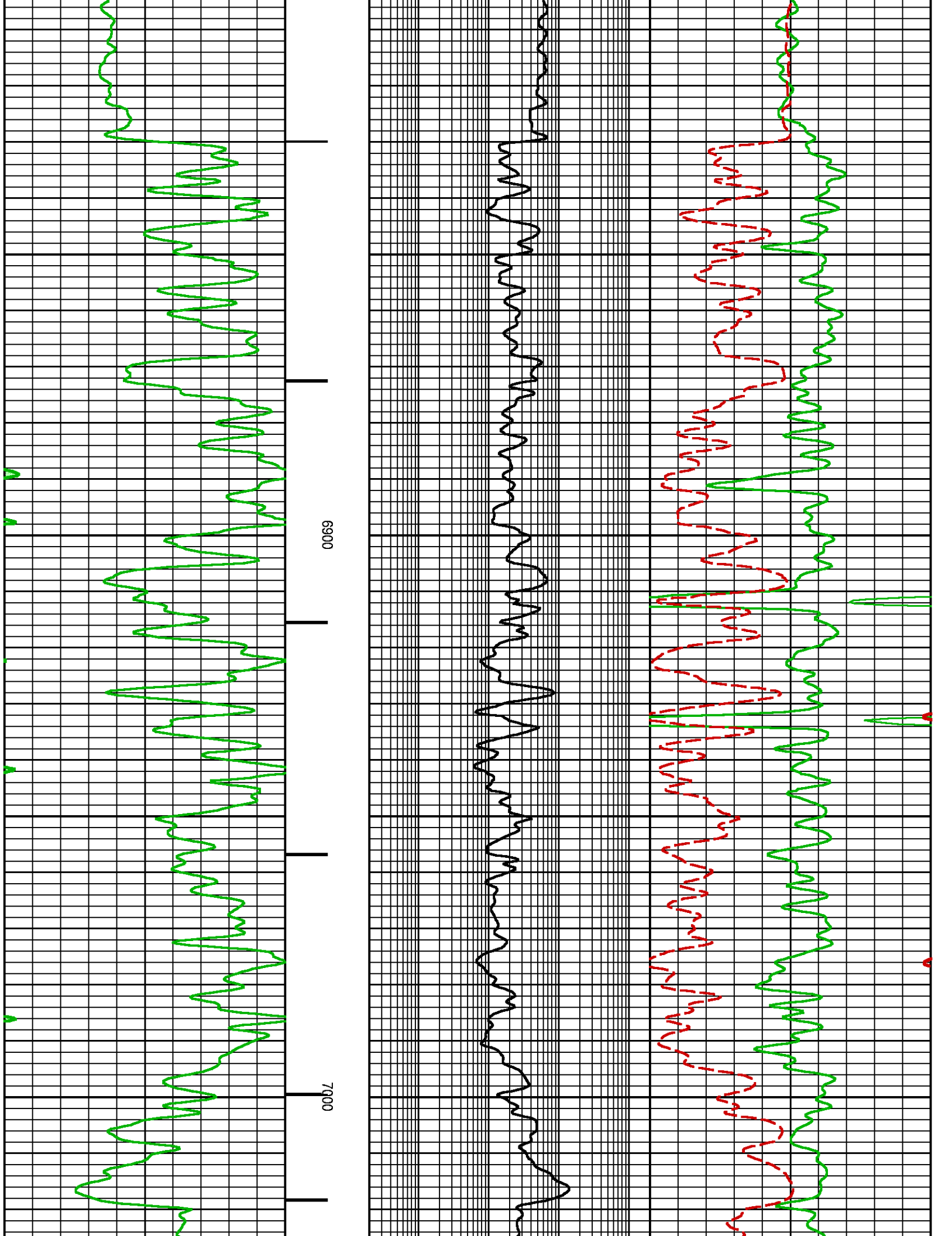


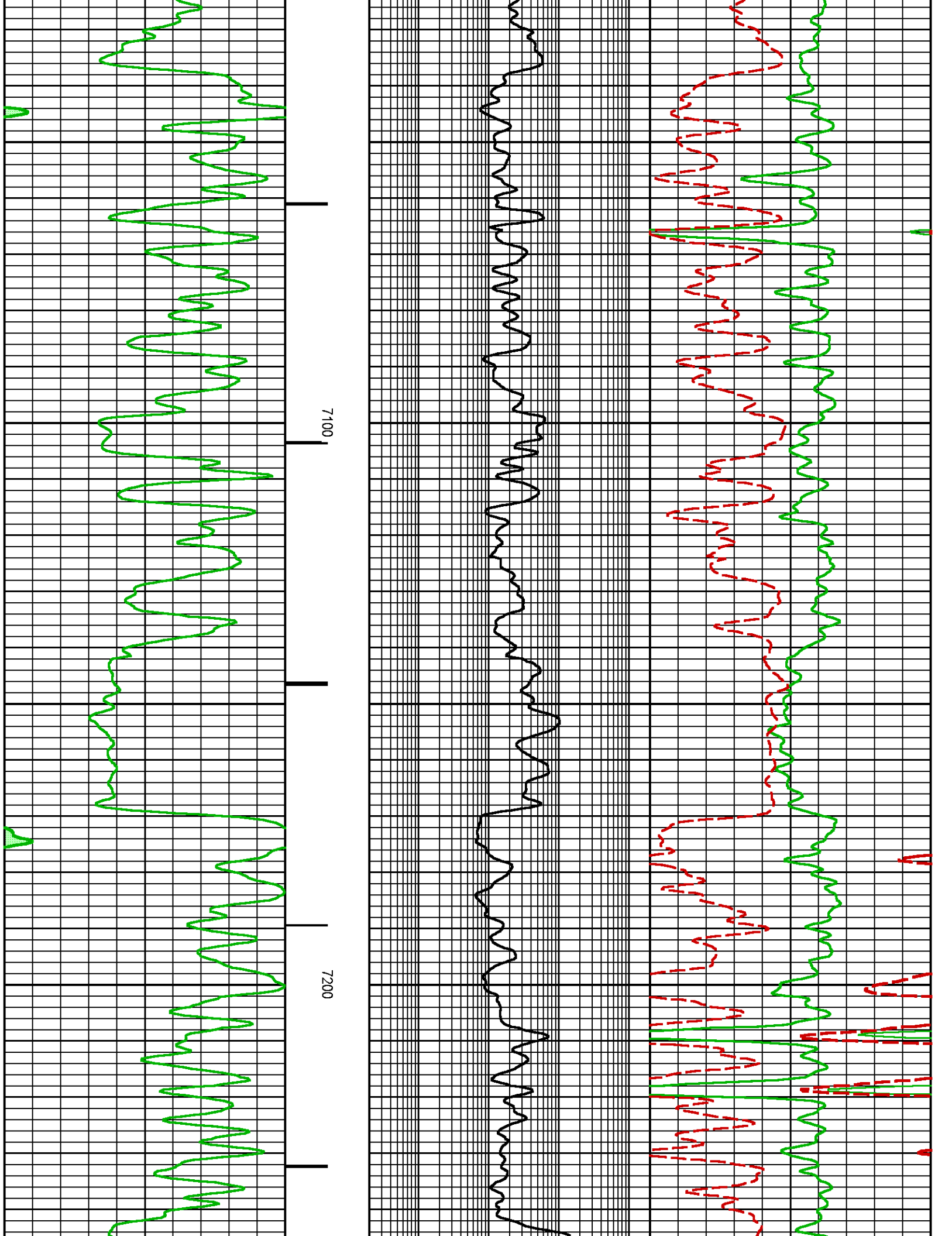


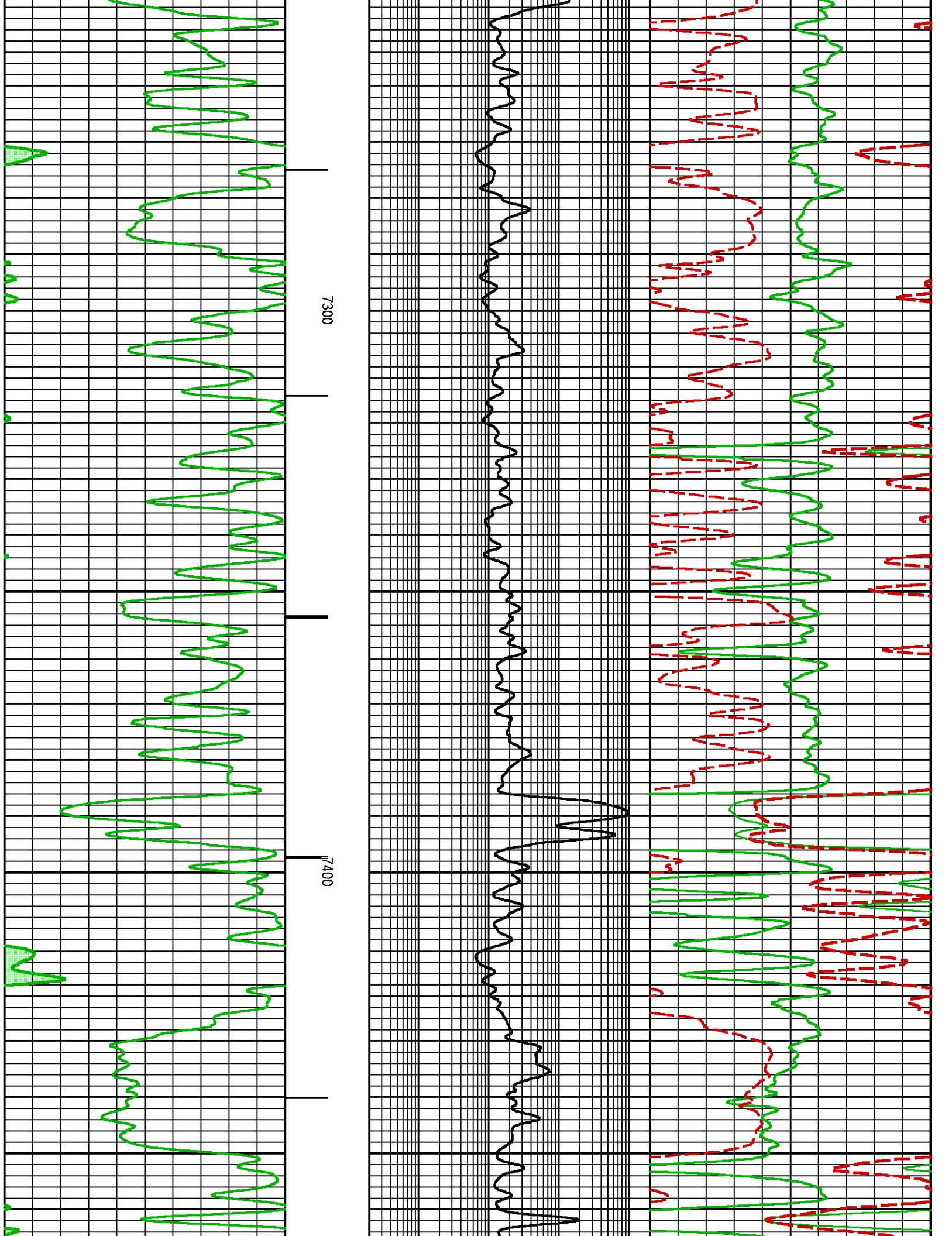


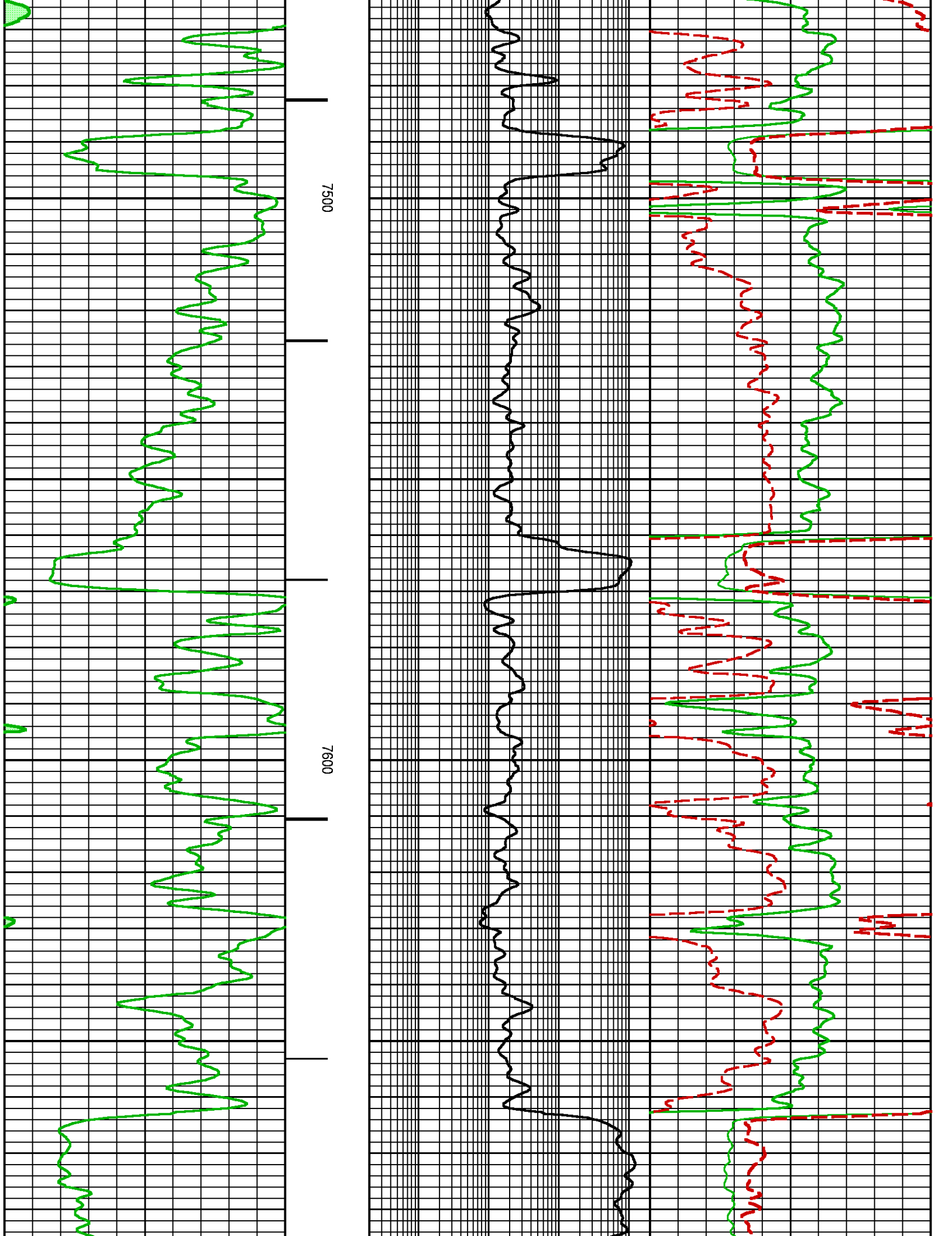


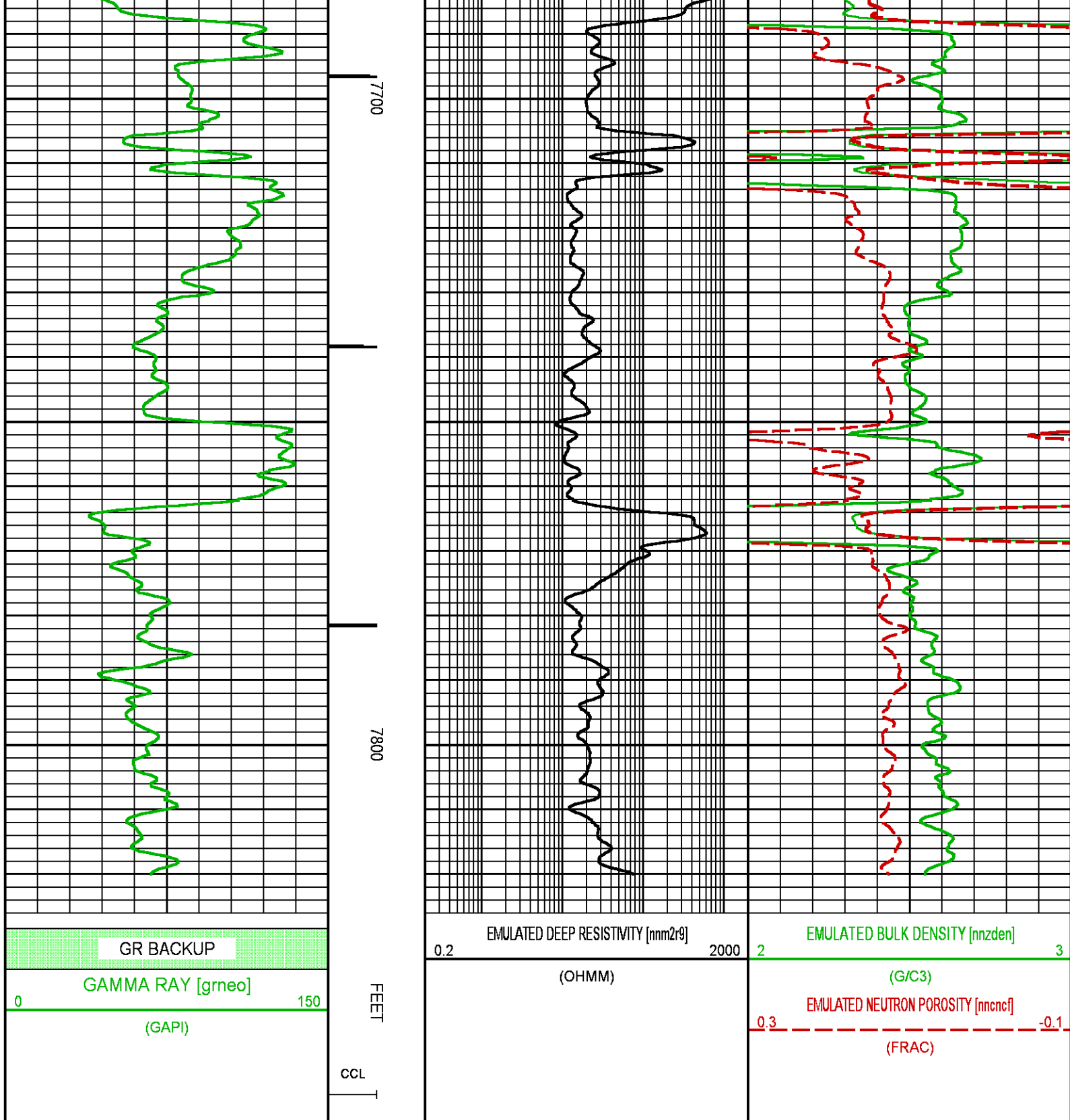












**BAKER  
HUGHES**  
a GE company



**COMPANY**  
**WELL**  
**FIELD**  
**COUNTY**

**LARAMIE ENERGY II LLC**  
**NICHOLS 0994-13-21E**  
**VEGA**  
**MESA**

**STATE** **COLORADO**

**FILE NO:**

**API NO:**

05077104160000

**LOCATION:**

SEE REMARKS SECTION

**ELEVATIONS:**

KB 7161 FT

DF

GL 7137 FT

NICHOLS 24-6A

SEC 24

TWP 9S

RGE 94W

DATE

18 Mar 2018

	SEC <u>27</u>	TWT <u>30</u>	RSL <u>STW</u>	DATE <u>18-Mar-2018</u>
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