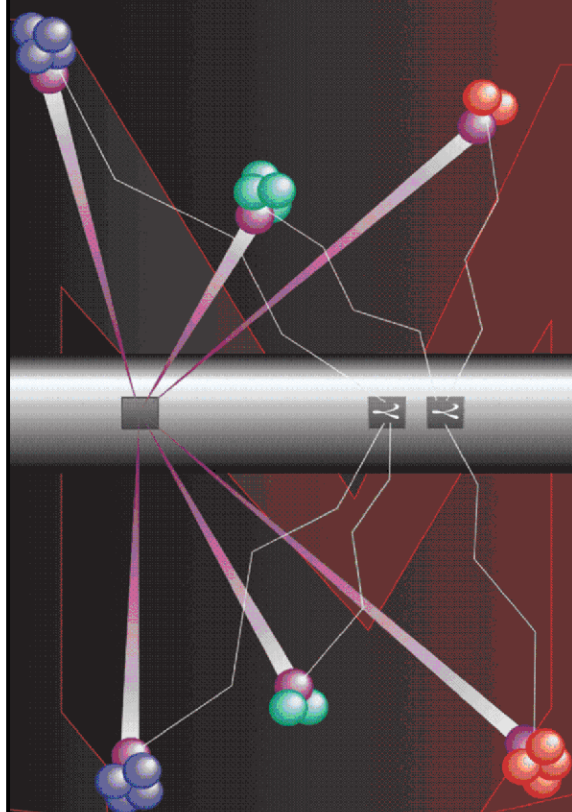




# Pulsed Neutron Formation Evaluation



## NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL PICEANCE 28-04W

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS SECTION

SEC 28 TWP 9S RGE 93W

ELEVATIONS:

KB 7578 FT DF GL 7556 FT

DATE 27-OCT-2015 ECC 21074-01

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>HOUSTON GEOSCIENCES</u>	LOG ANALYST: <u>SEB. KAMGANG</u>	DATE: <u>27-OCT-2015</u>
FIELD DATA	LOCATION: <u>GRAND JCT</u>	ENGINEER: <u>SPENCER / US100232J</u>	DATE: <u>24-OCT-2015</u>
FROM	TO		
<u>2556 FT</u>	<u>3140 FT</u>		
<u>4750 FT</u>	<u>7770 FT</u>		

### REMARKS

LOCATION:  
SHL: LAT 39.251150; LONG -107.779647  
BHL: LAT 39.252950; LONG -107.780719

TRAINING WELL: PICEANCE 28-09W

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

BOND LOG IS DEPTH REFERENCE LOG

# NEO RESULTS FOR PICEANCE 28-04W (G-SAND)

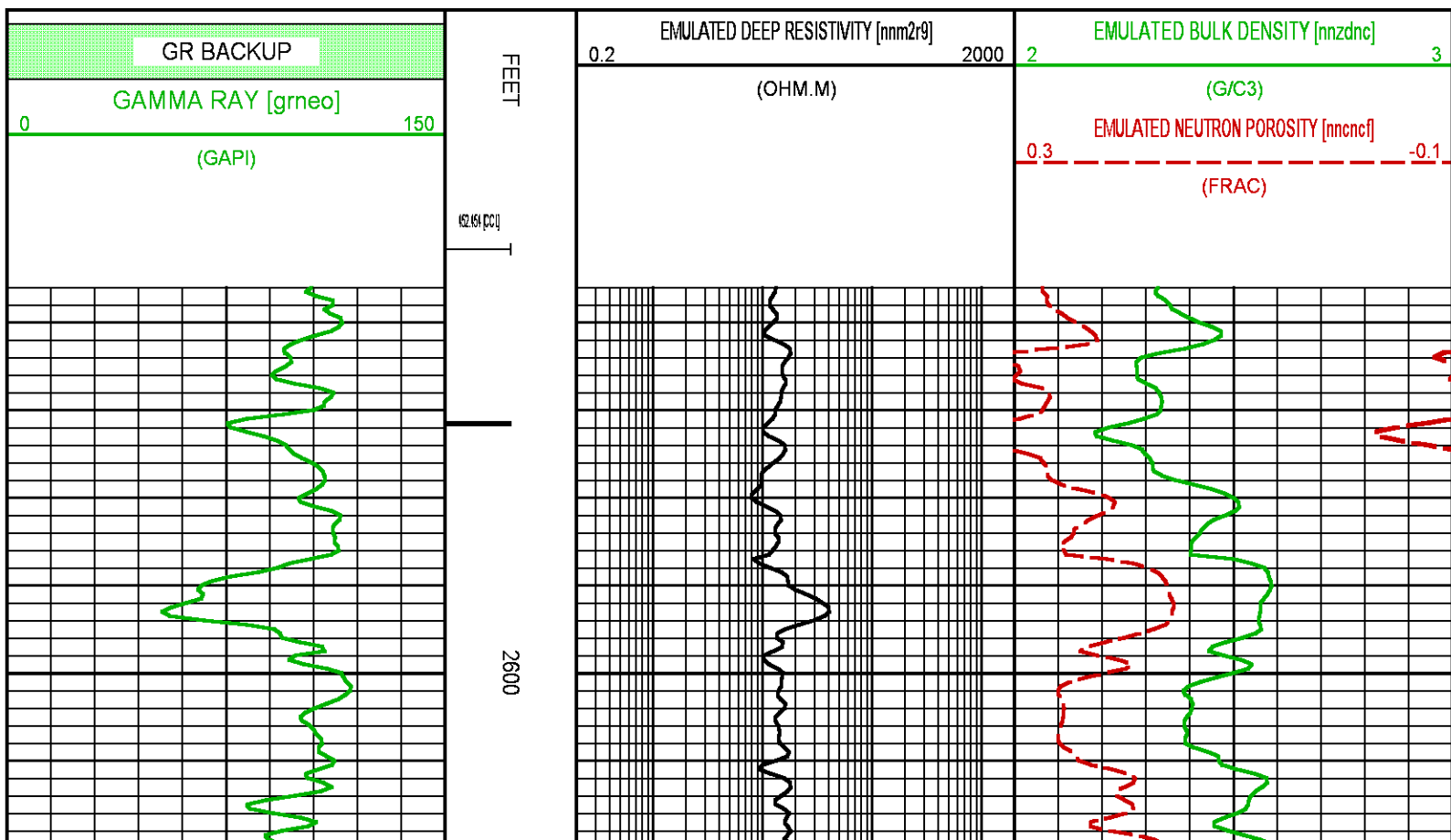
ECLIPS EC PLOT 6.2 ECLIPS Plotting &amp; Post-Processing Mon 11/17/2014 14:36:44.29

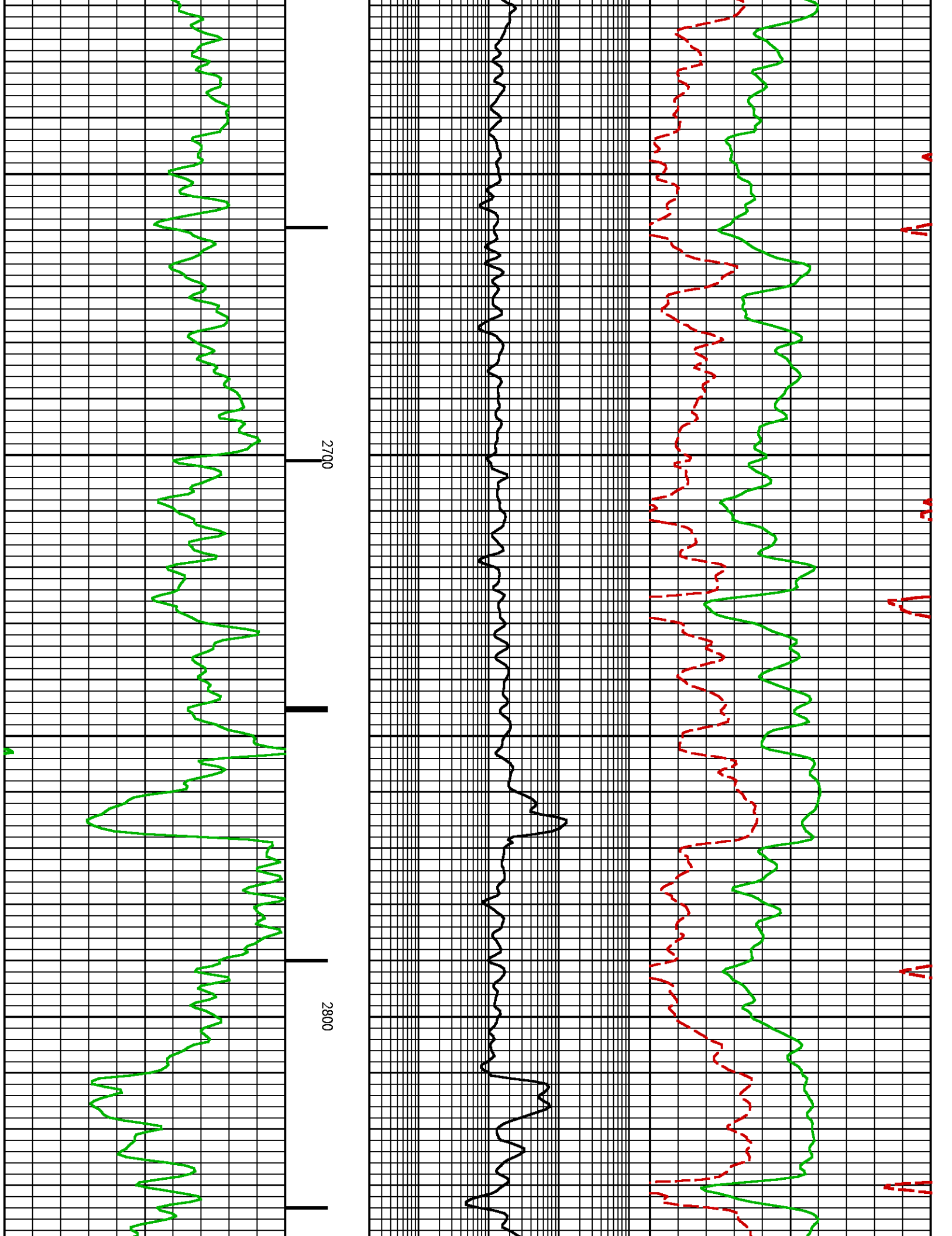
Plotted: Tue Oct 27 12:30:13 2015

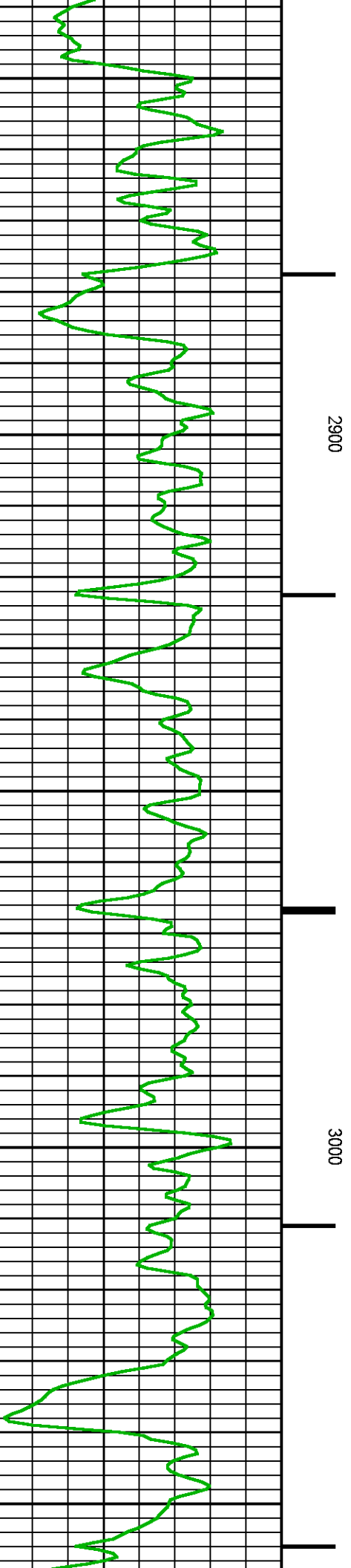
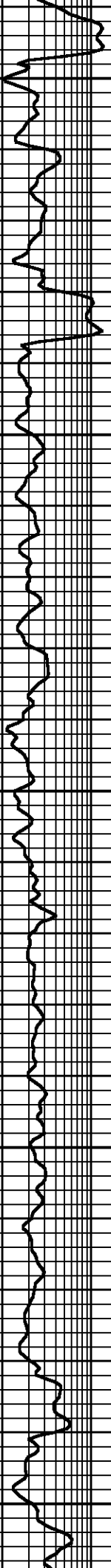
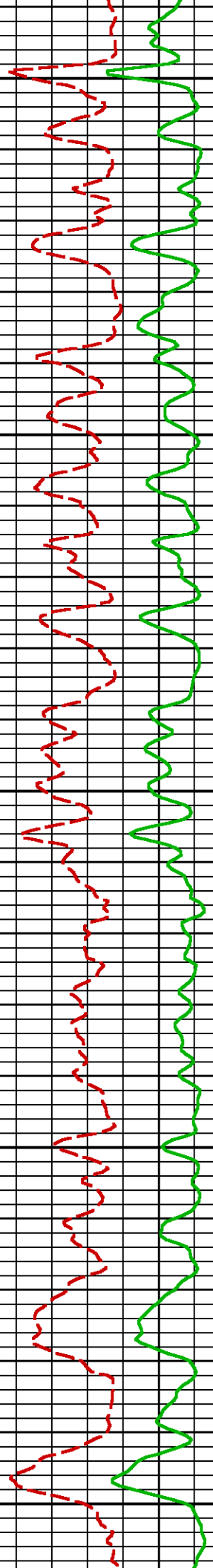
## CURVE MEASURE POINT OFFSET

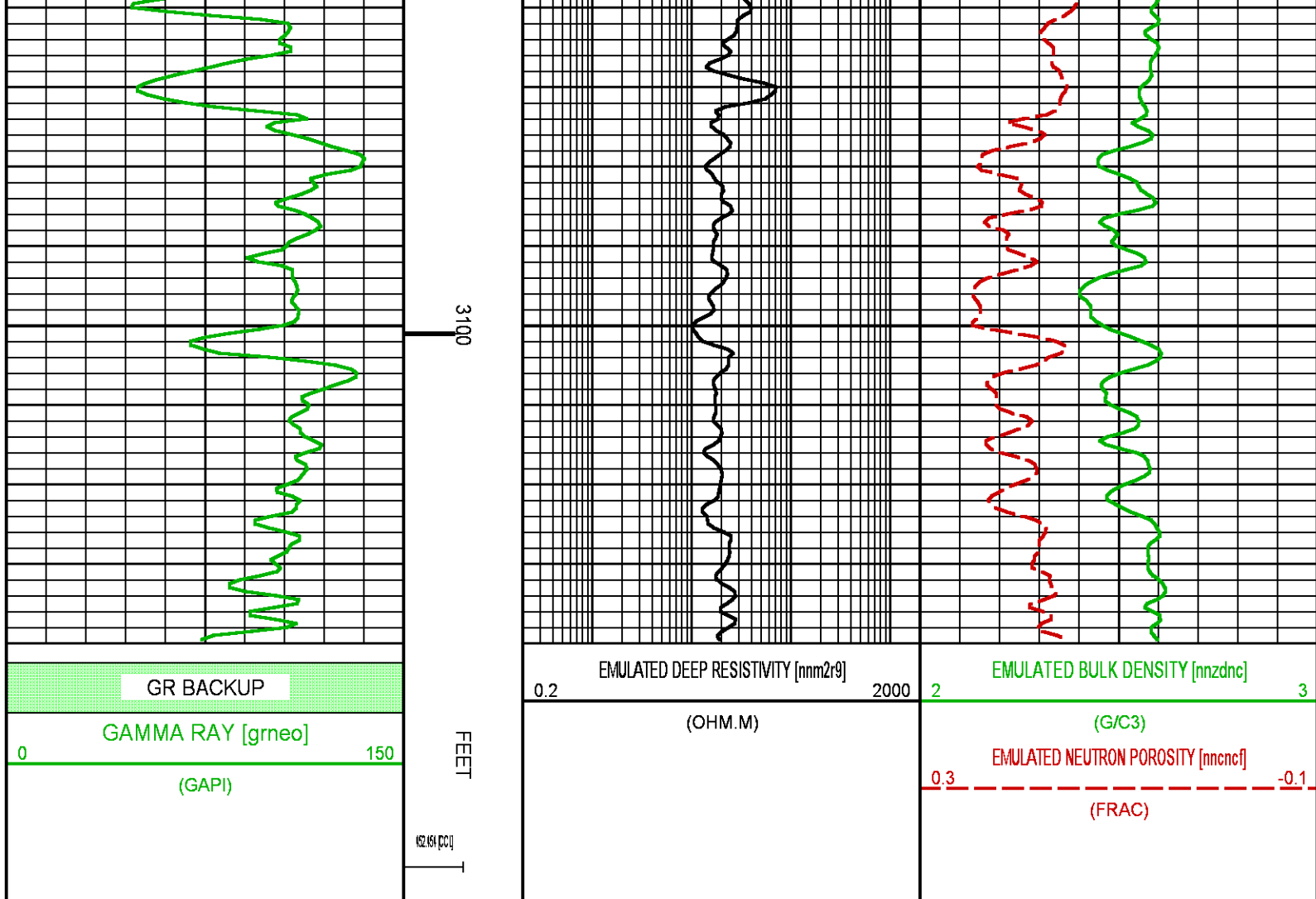
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCf	0.00	NNZDNC	0.00		
GRNEO	0.00	NNM2R9	0.00				

**Project** : NA  
**User** : kamgseb  
**Presentation** : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceance2804W\1NEO\_PRESENTATION+PICEANCE 28-04W\_Merged\_Set\_Final.fvpdf [5"/100' Scale]  
**Plot Interval** : 2556 - 3140 Feet  
**Data File 1** : F1 : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceance2804W\PICEANCE 28-04W\_Merged\_Set\_Final.xtf  
**Created On** : Oct 27 12:18:57 2015  
**Company** : LARAMIE ENERGY  
**Well** : PICEANCE 28-04W  
**Field** : VEGA  
**File Interval** : 2556 - 7779 Feet  
**OCT** : NA









## NEO RESULTS FOR PICEANCE 28-04W (MAIN)

ECLIPS EC PLOT 6.2 ECLIPS Plotting & Post-Processing Mon 11/17/2014 14:36:44.29

Plotted: Tue Oct 27 14:35:26 2015

### CURVE MEASURE POINT OFFSET

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

Project : NA  
 User : kamgseb  
 Presentation : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceance2804W  
 2NEO\_PRESENTATION+PICEANCE 28-04W\_Merged\_Set\_Final.fvpdf [5"/100' Scale]  
 Plot Interval : 4750 - 7770 Feet

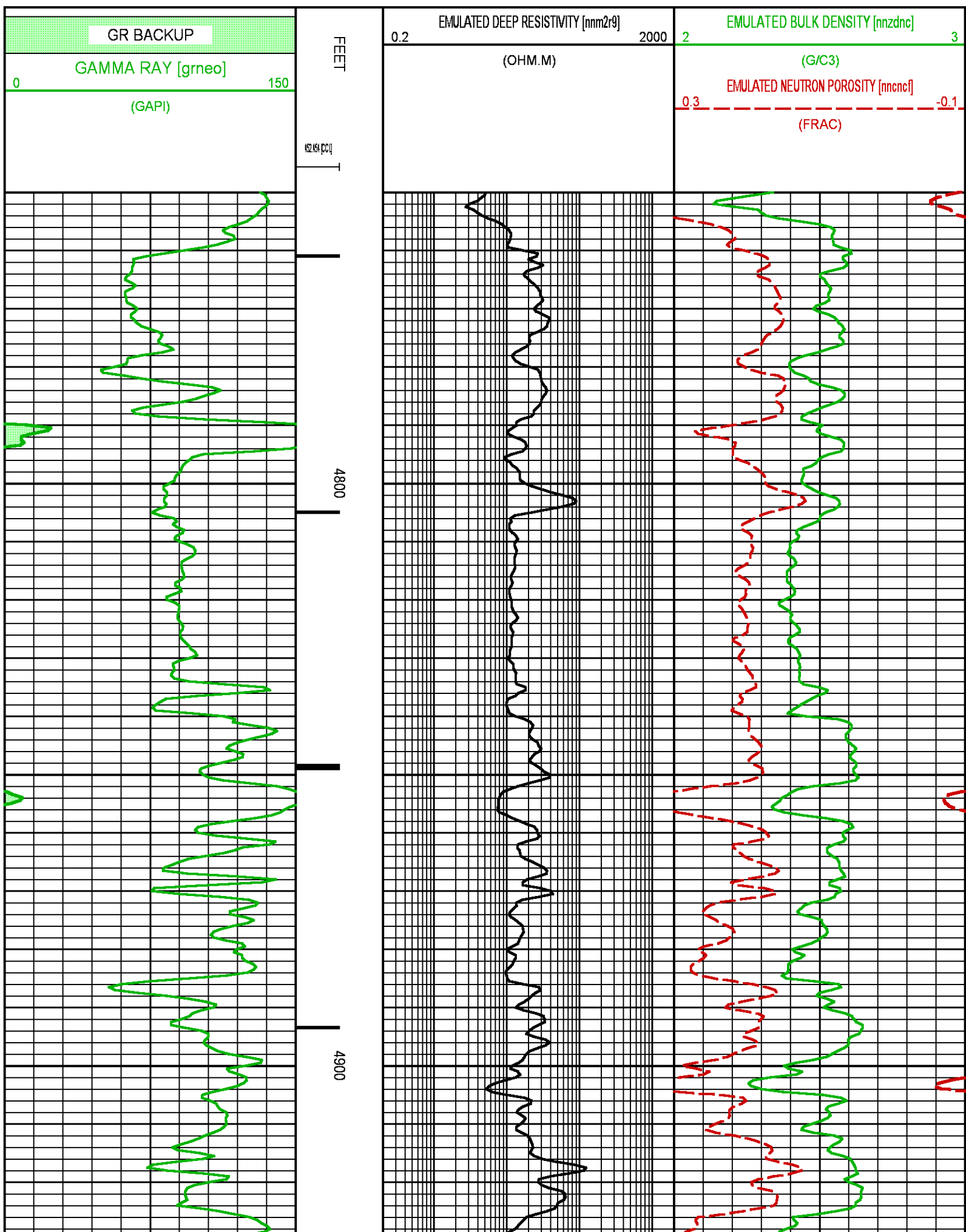
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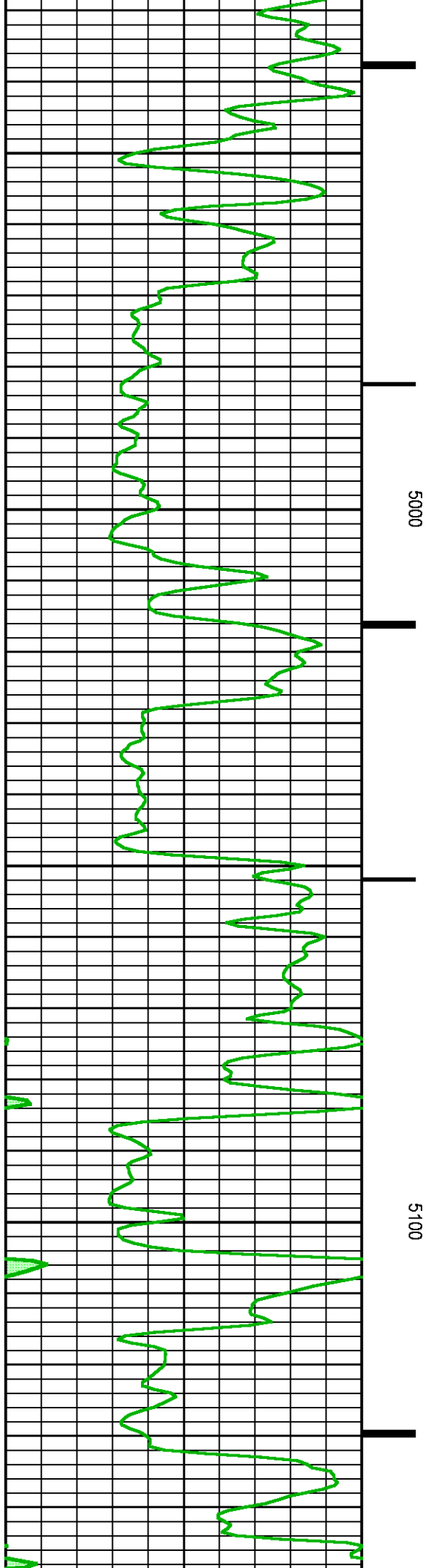
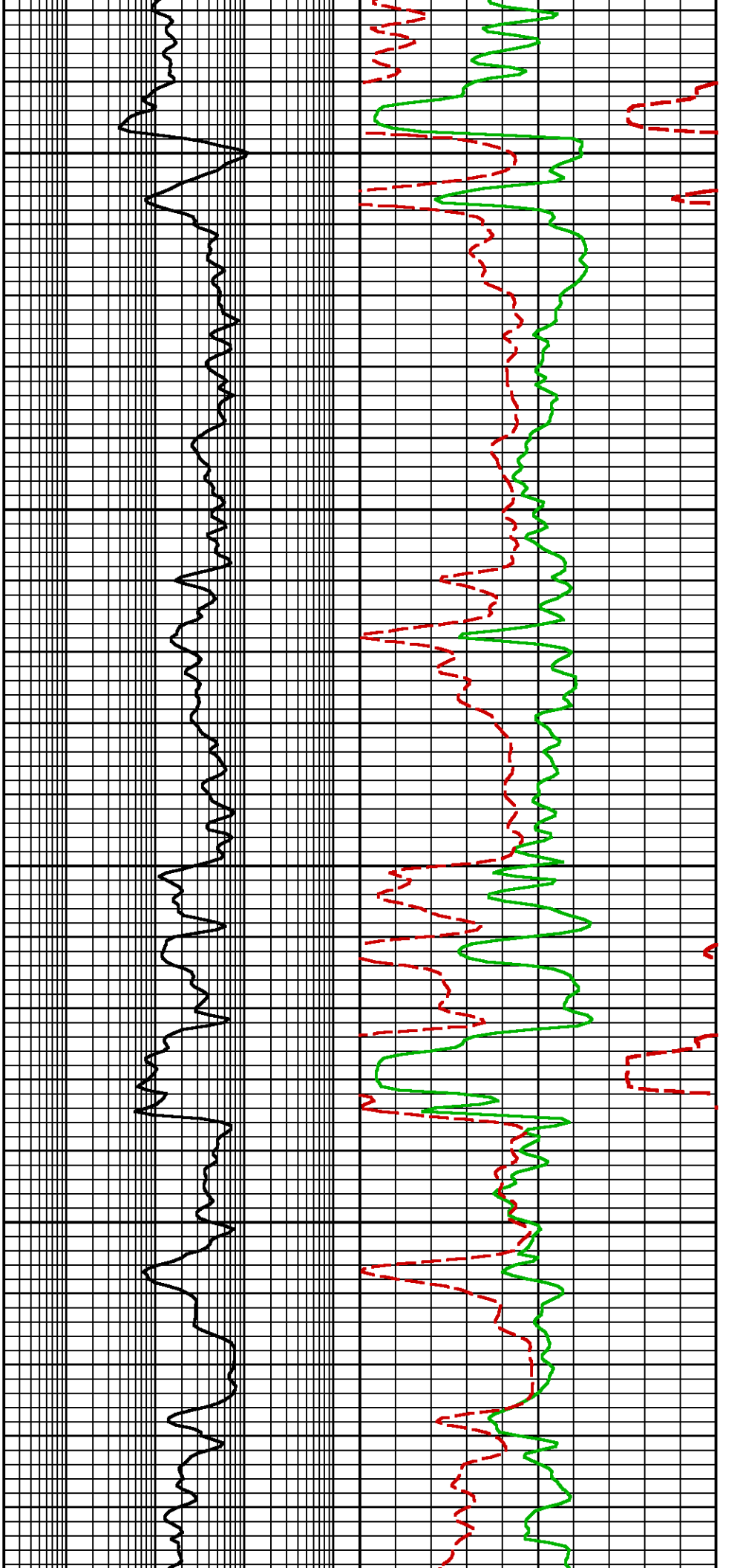
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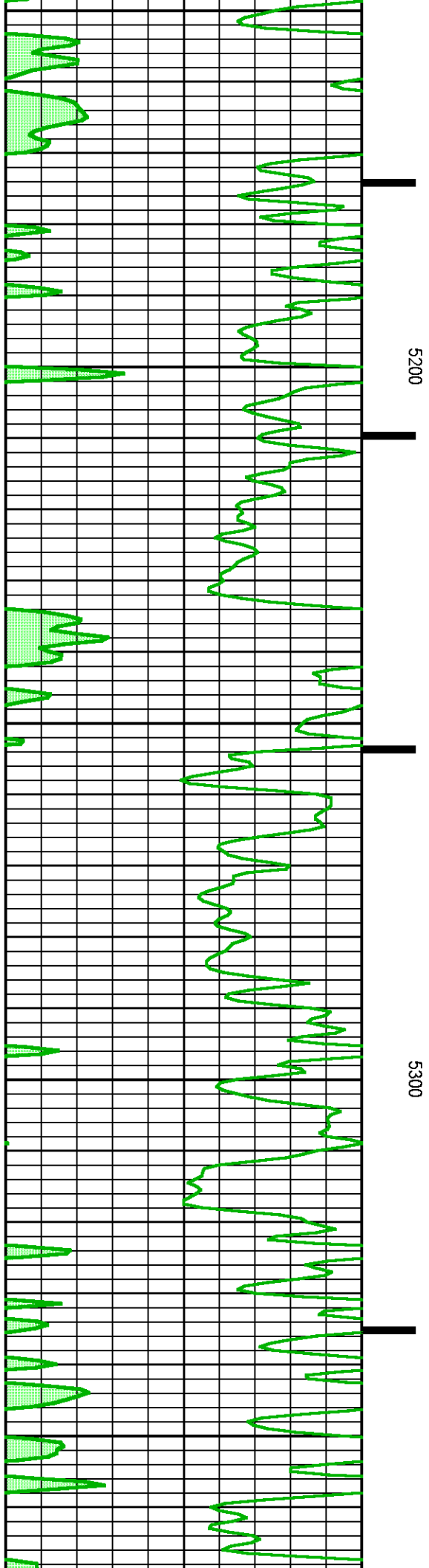
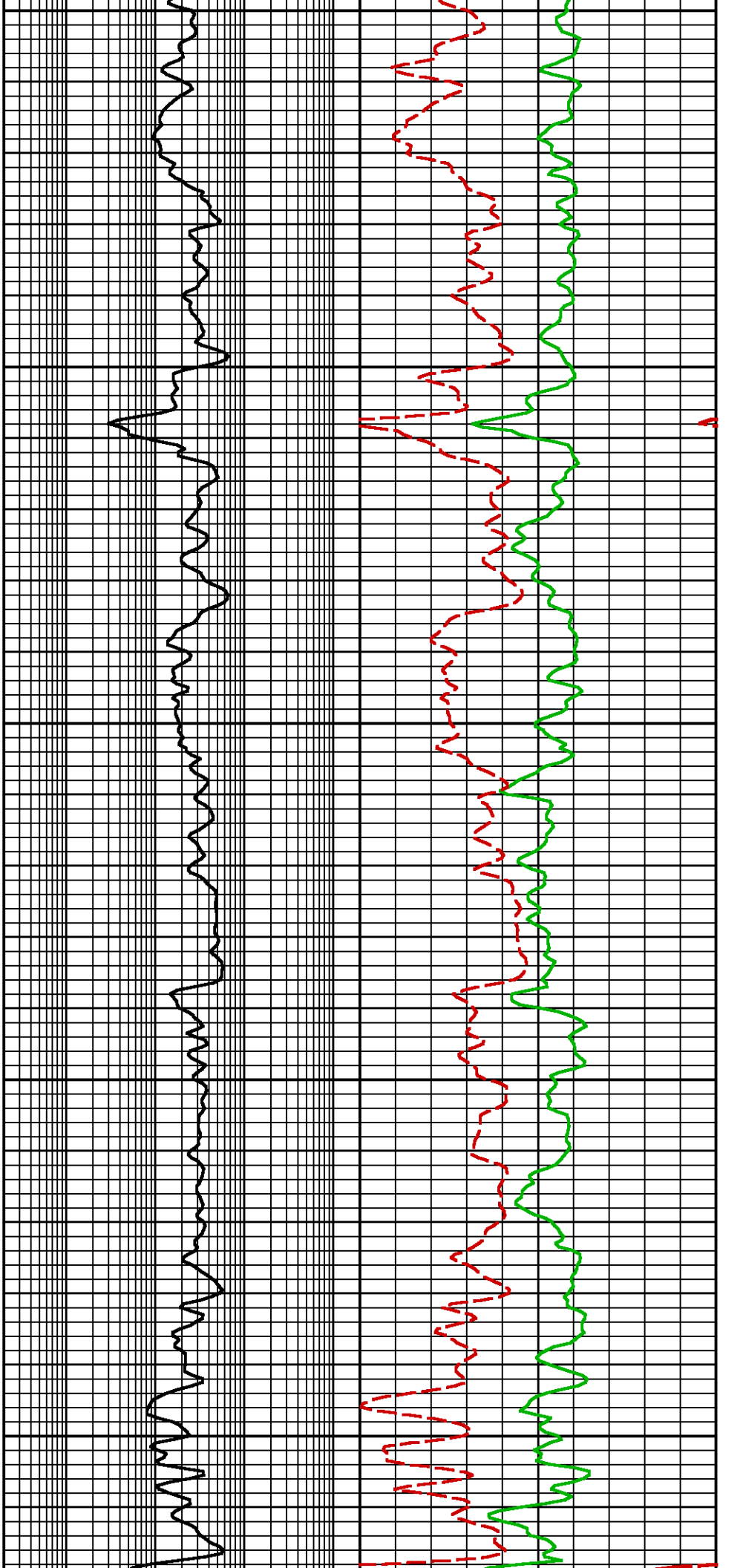
Company : LARAMIE ENERGY

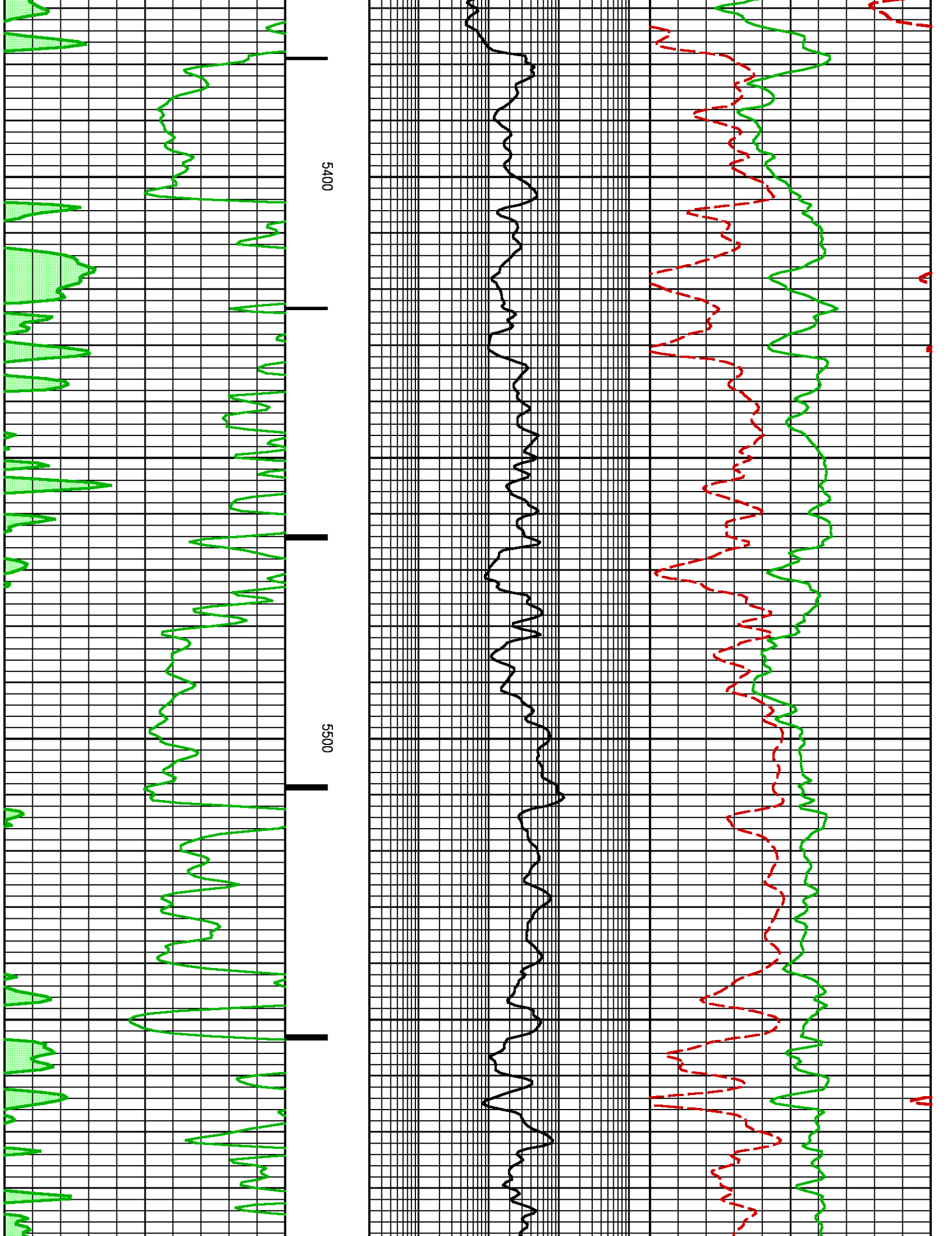
Well : PICEANCE 28-04W

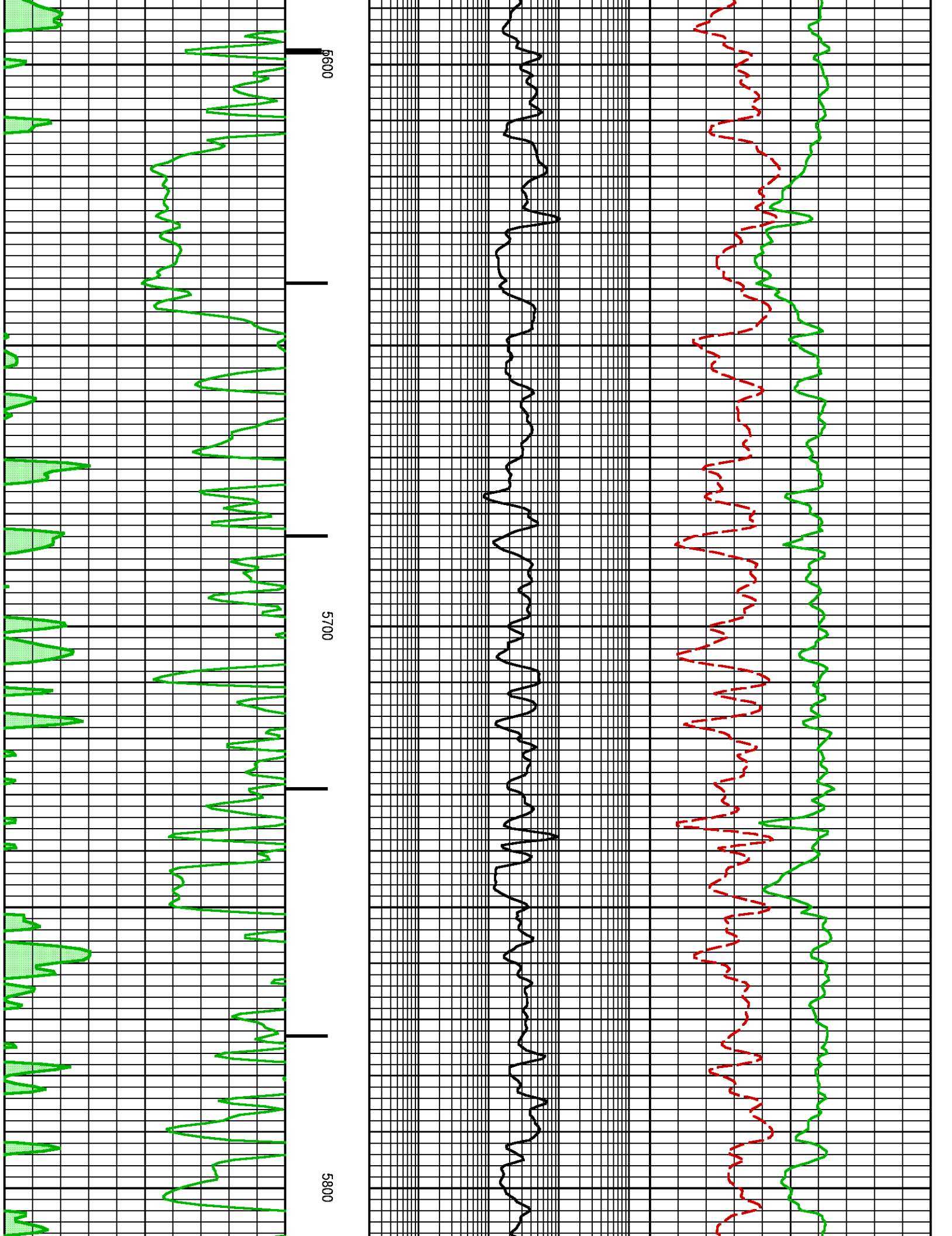
Field : VEGA

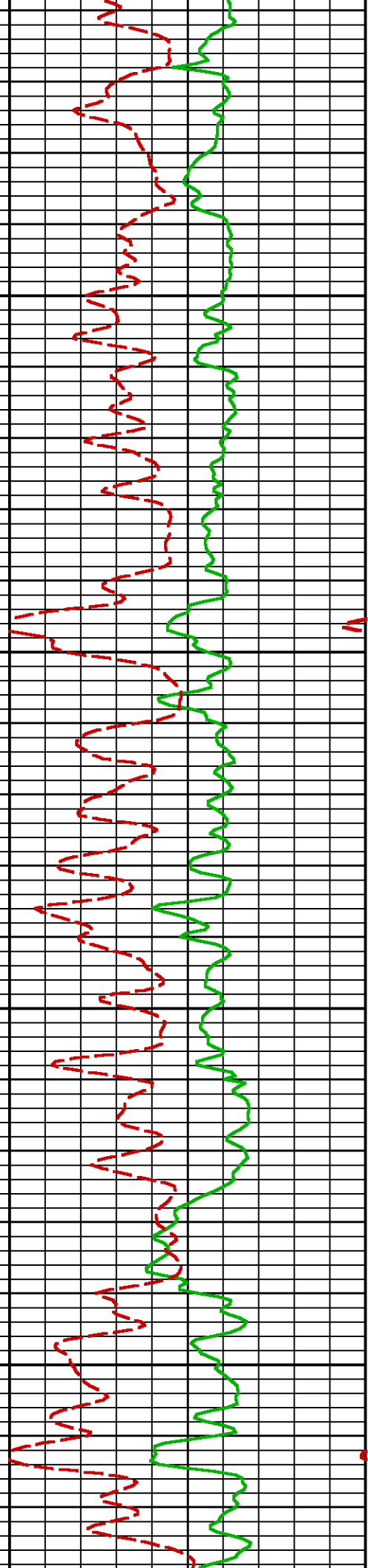
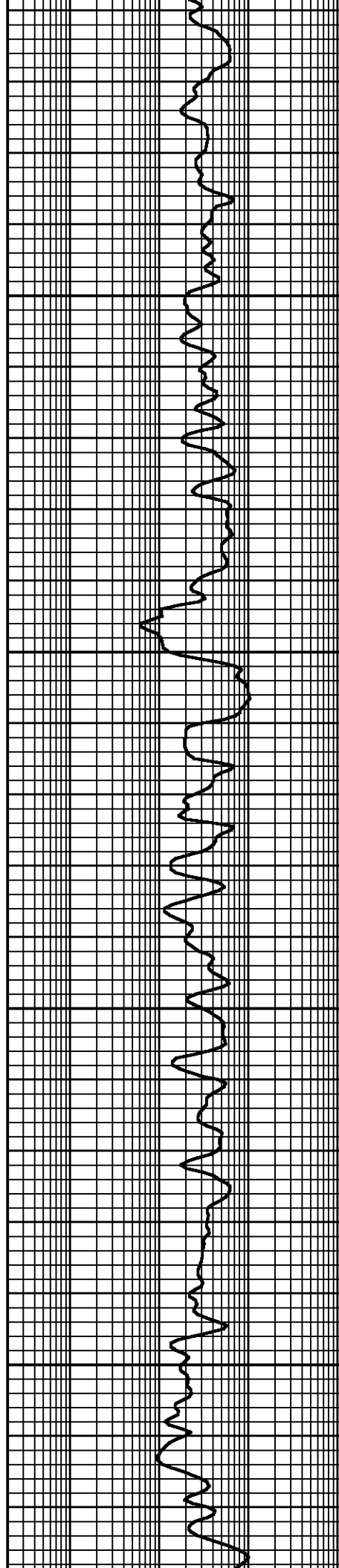
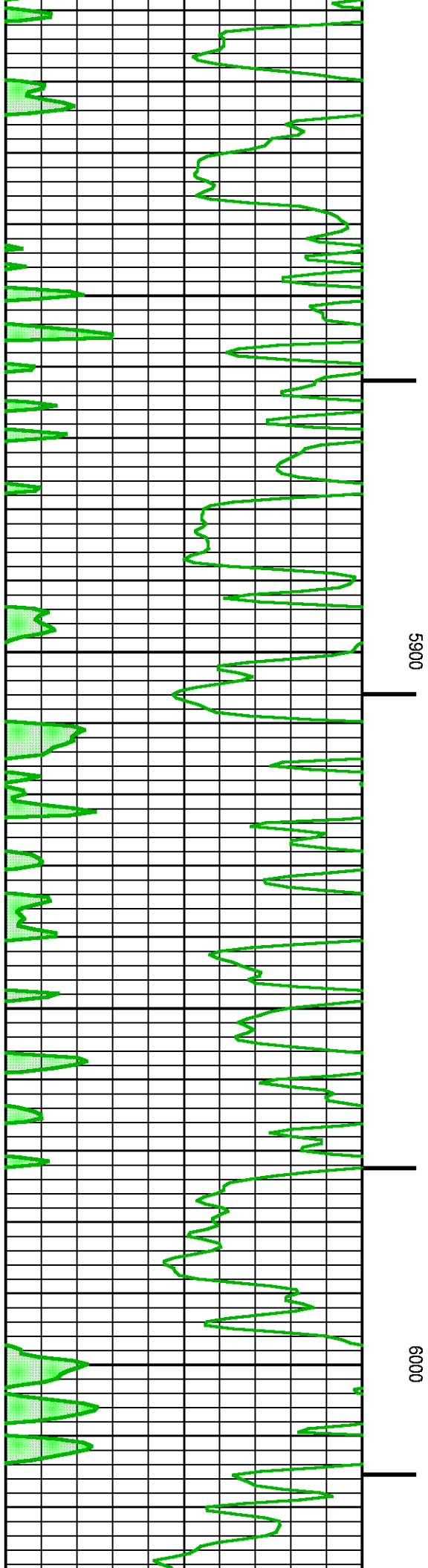


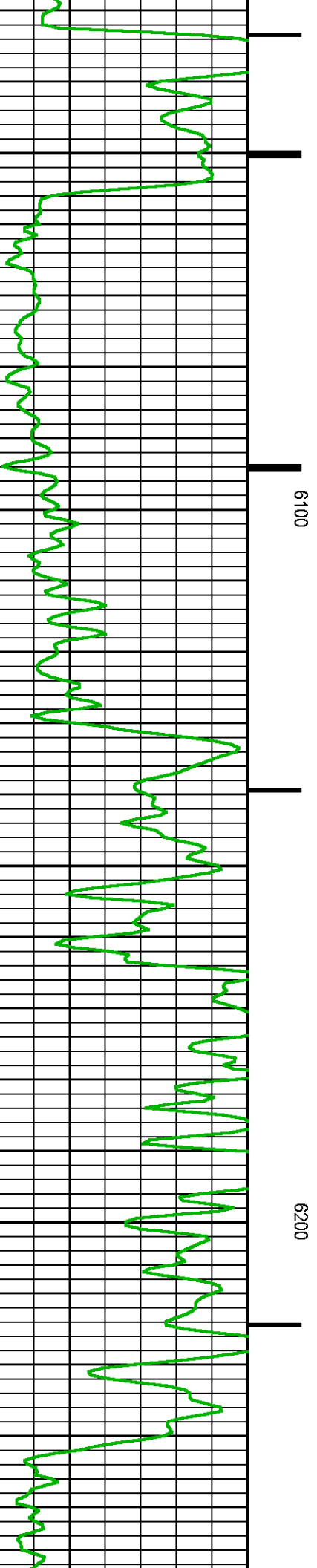
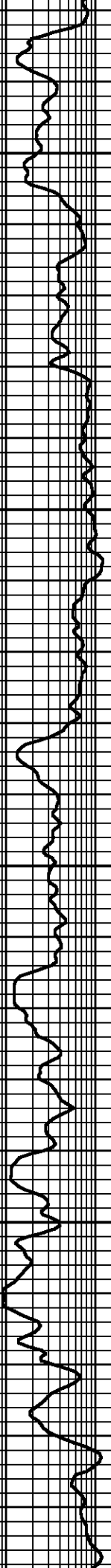
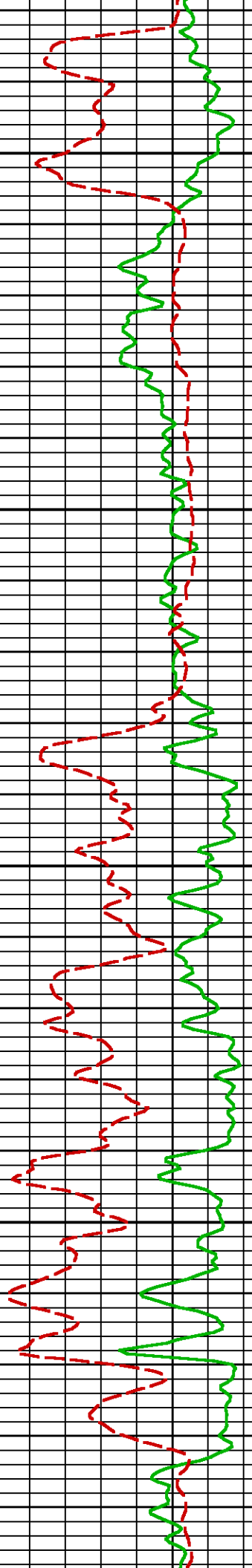


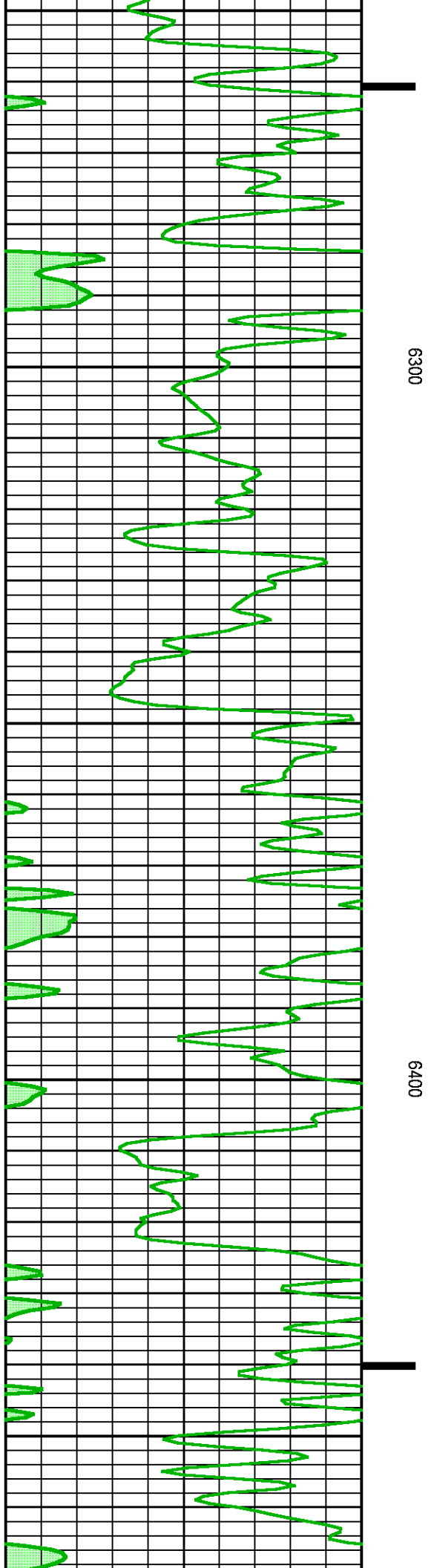
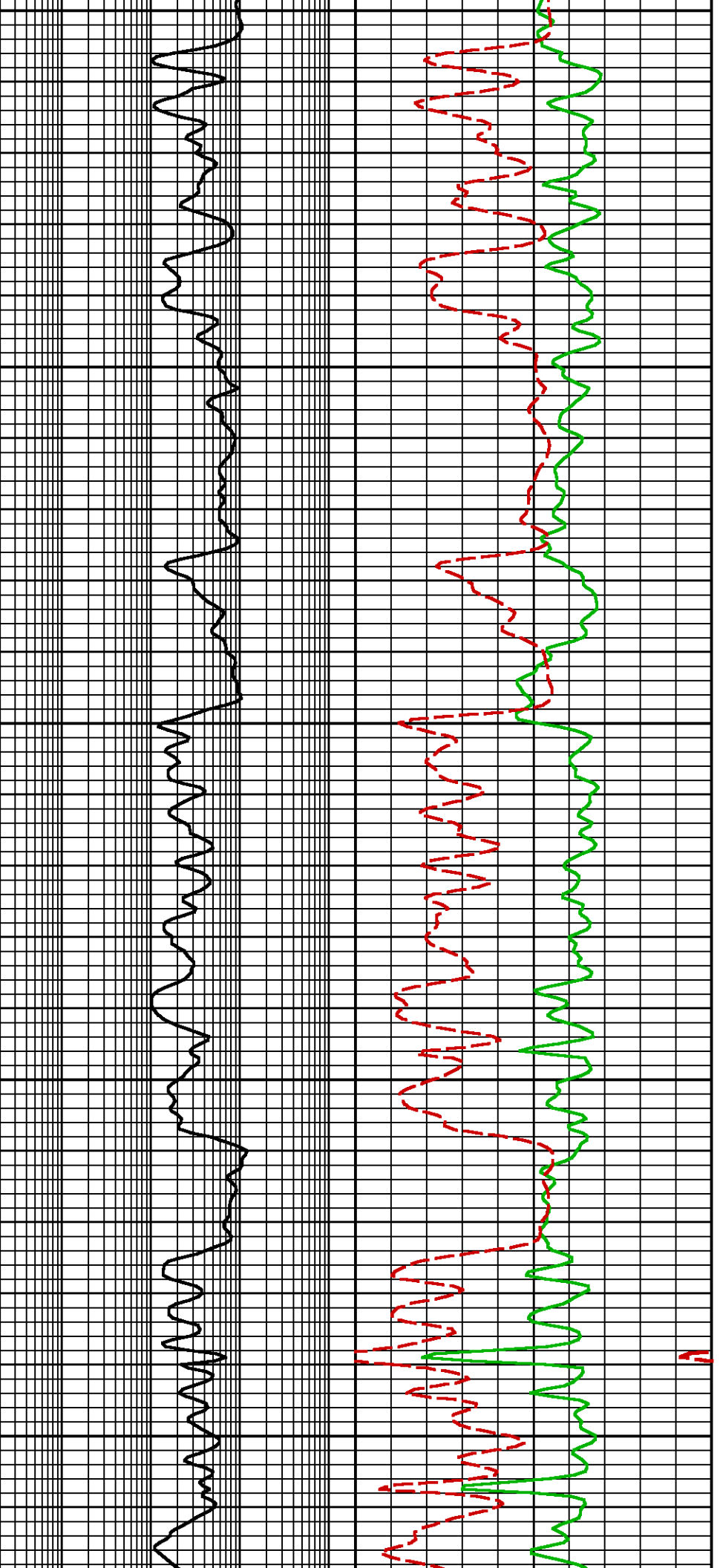


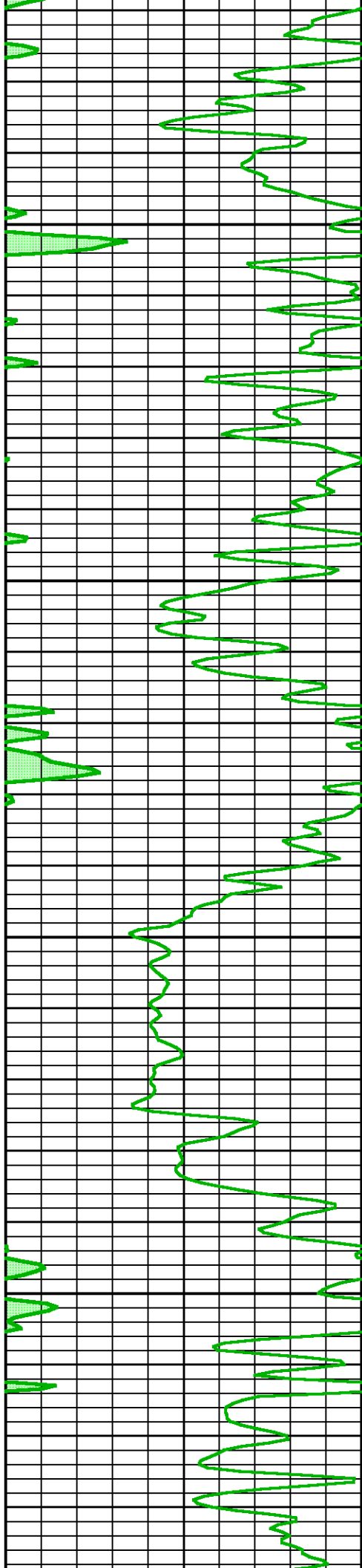






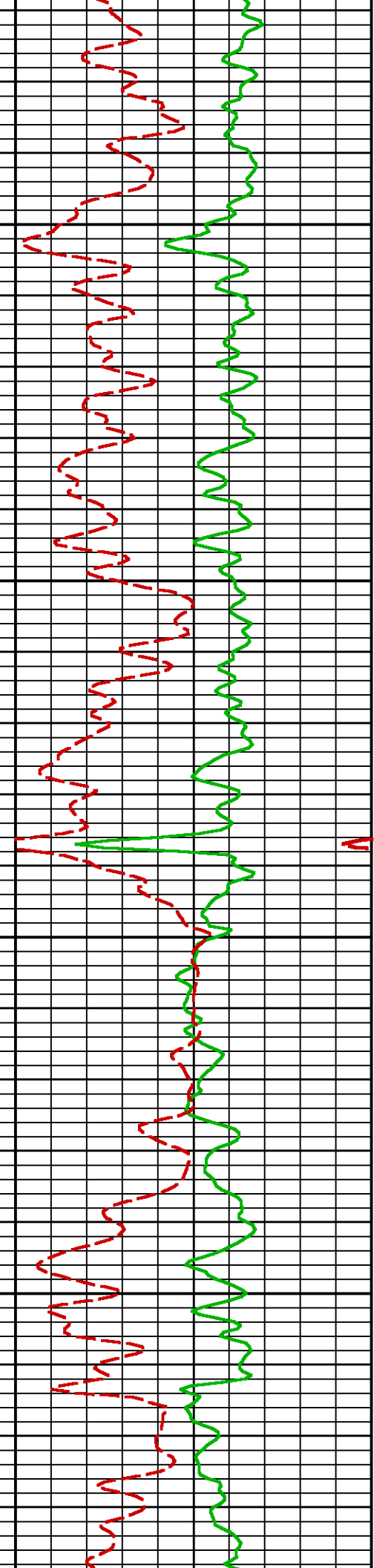
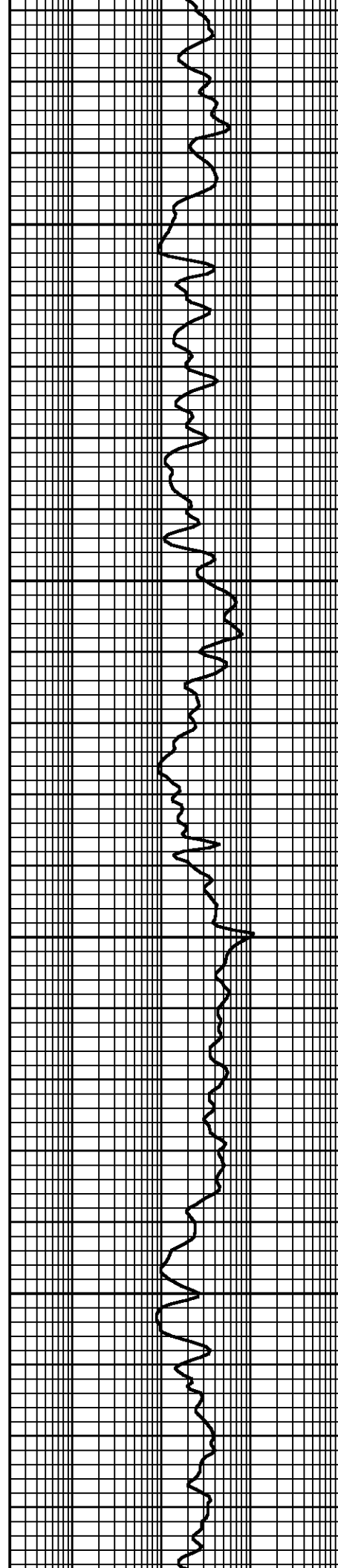


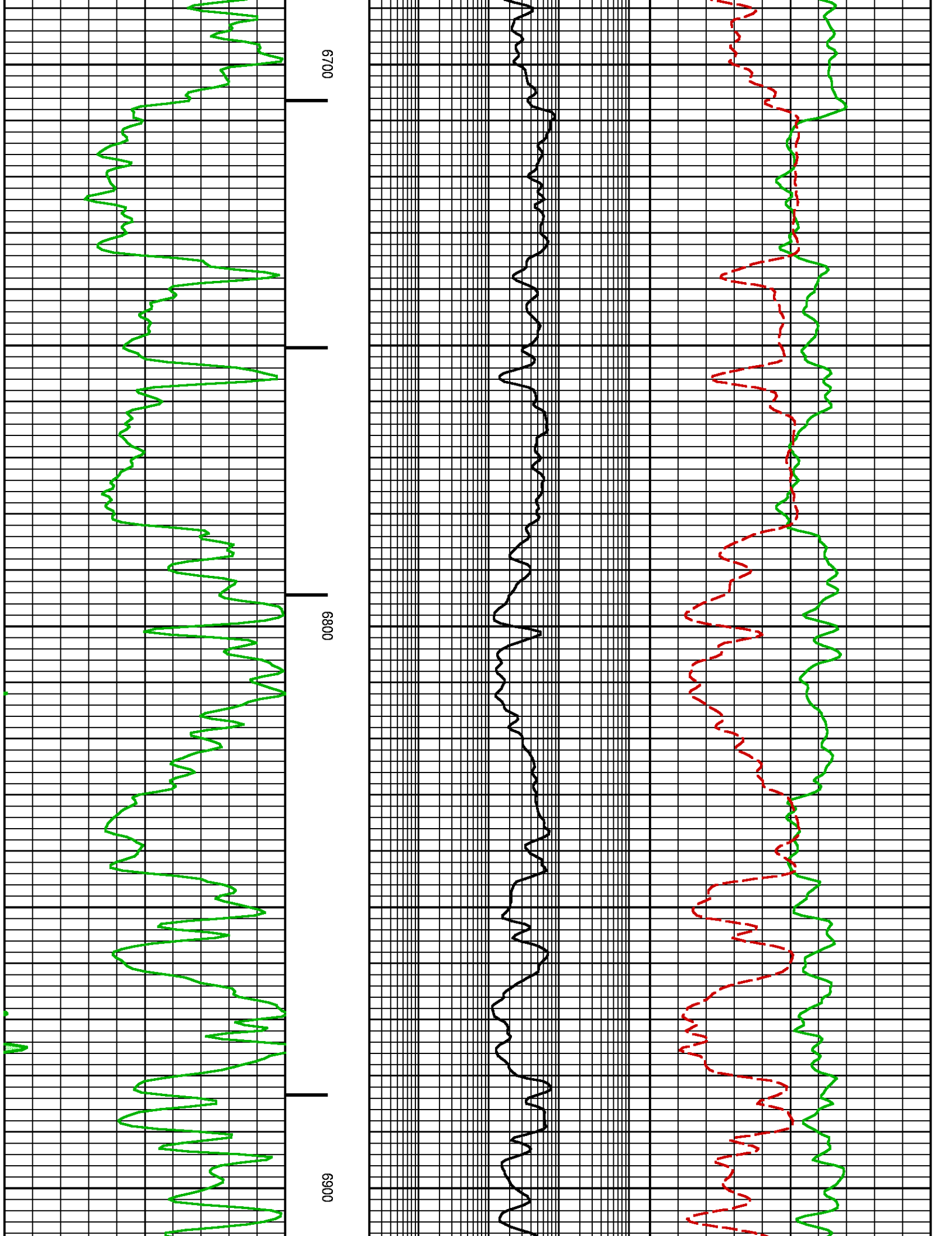


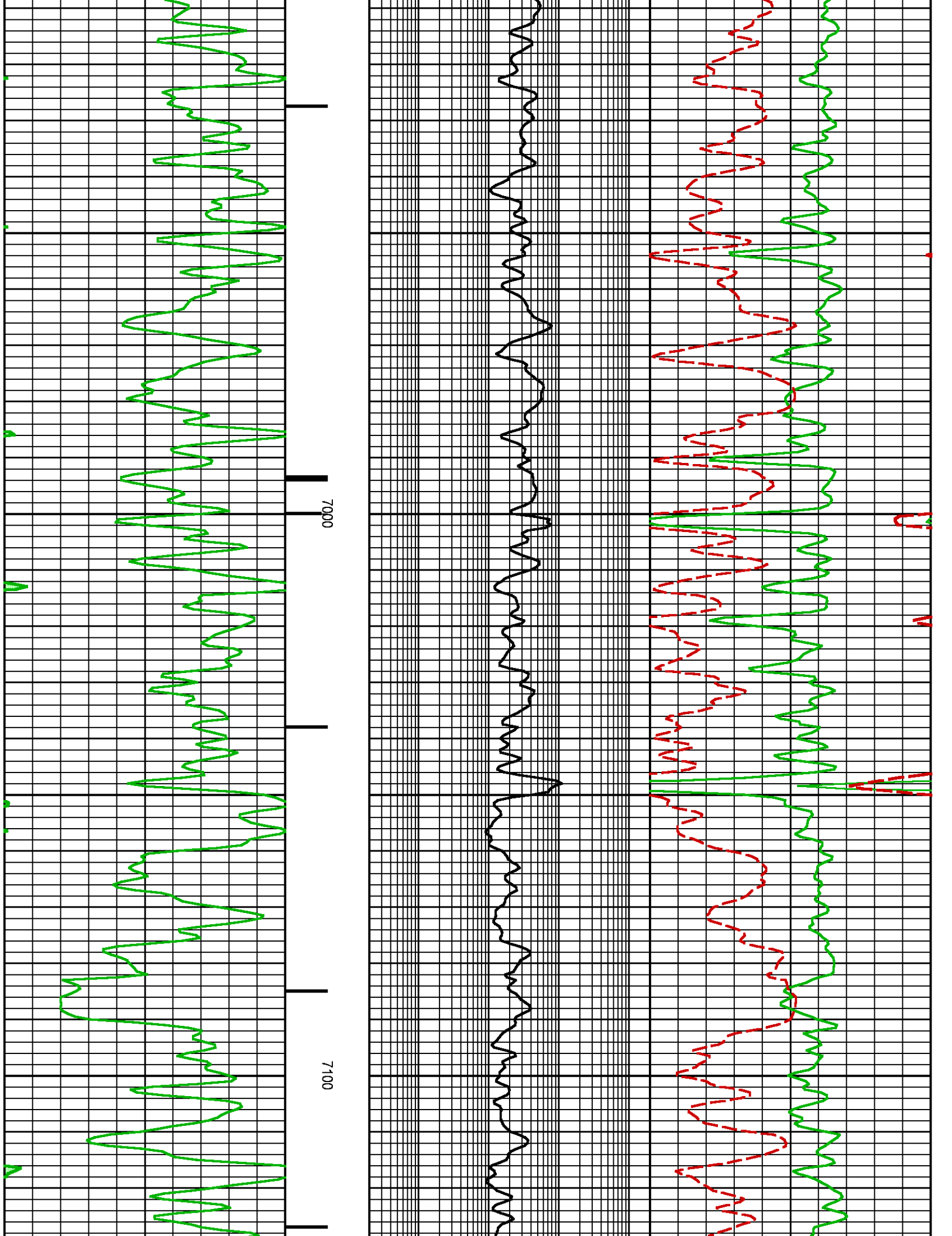


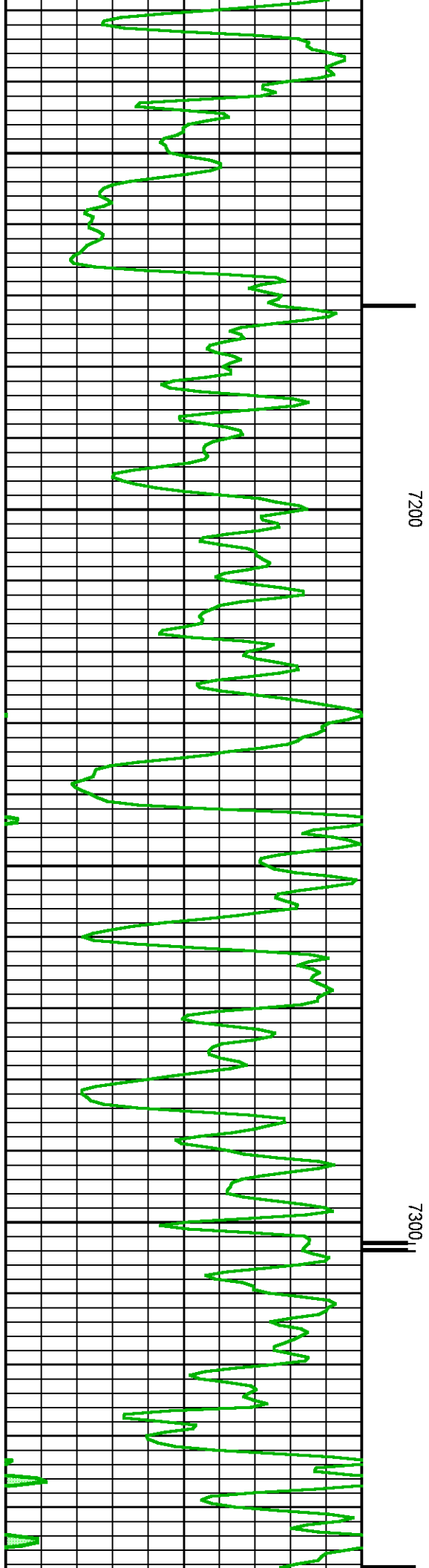
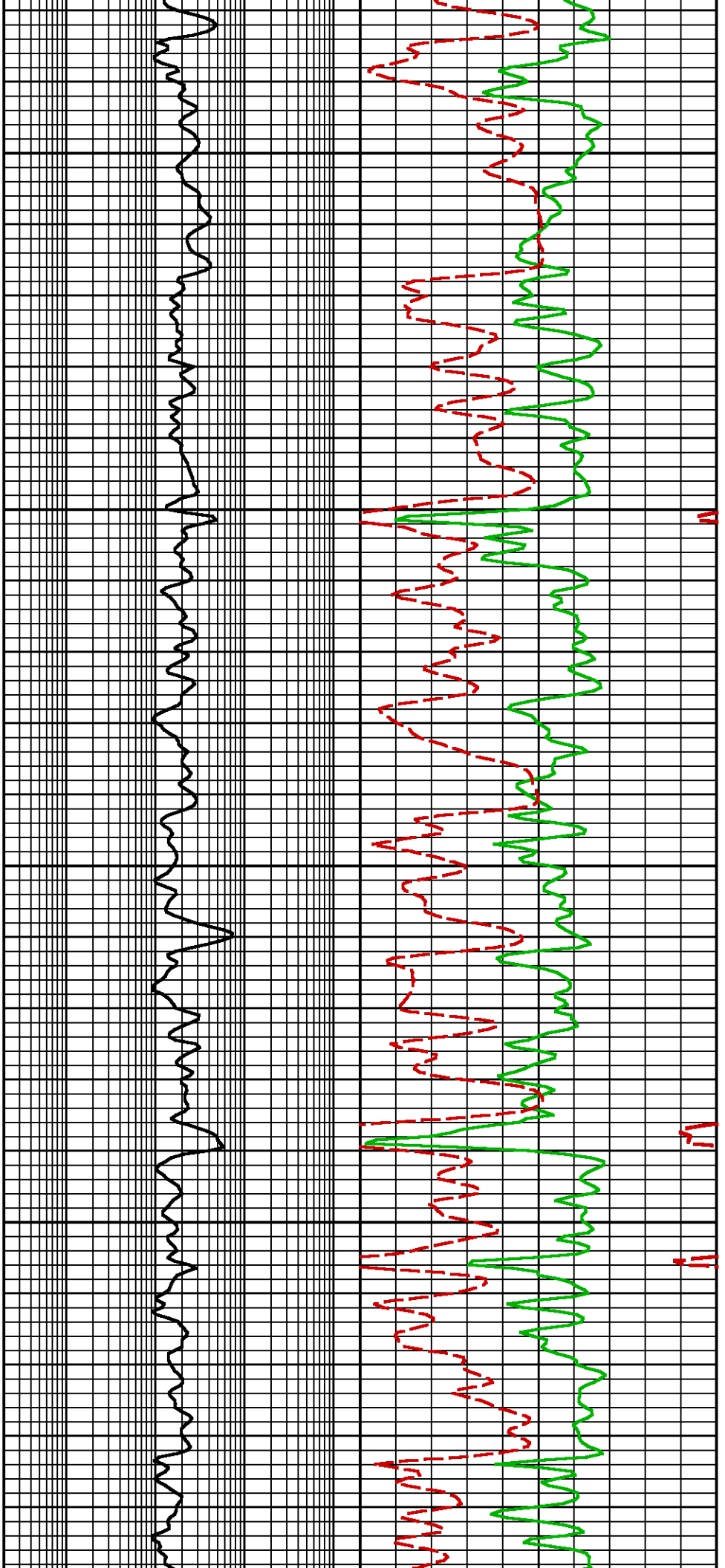
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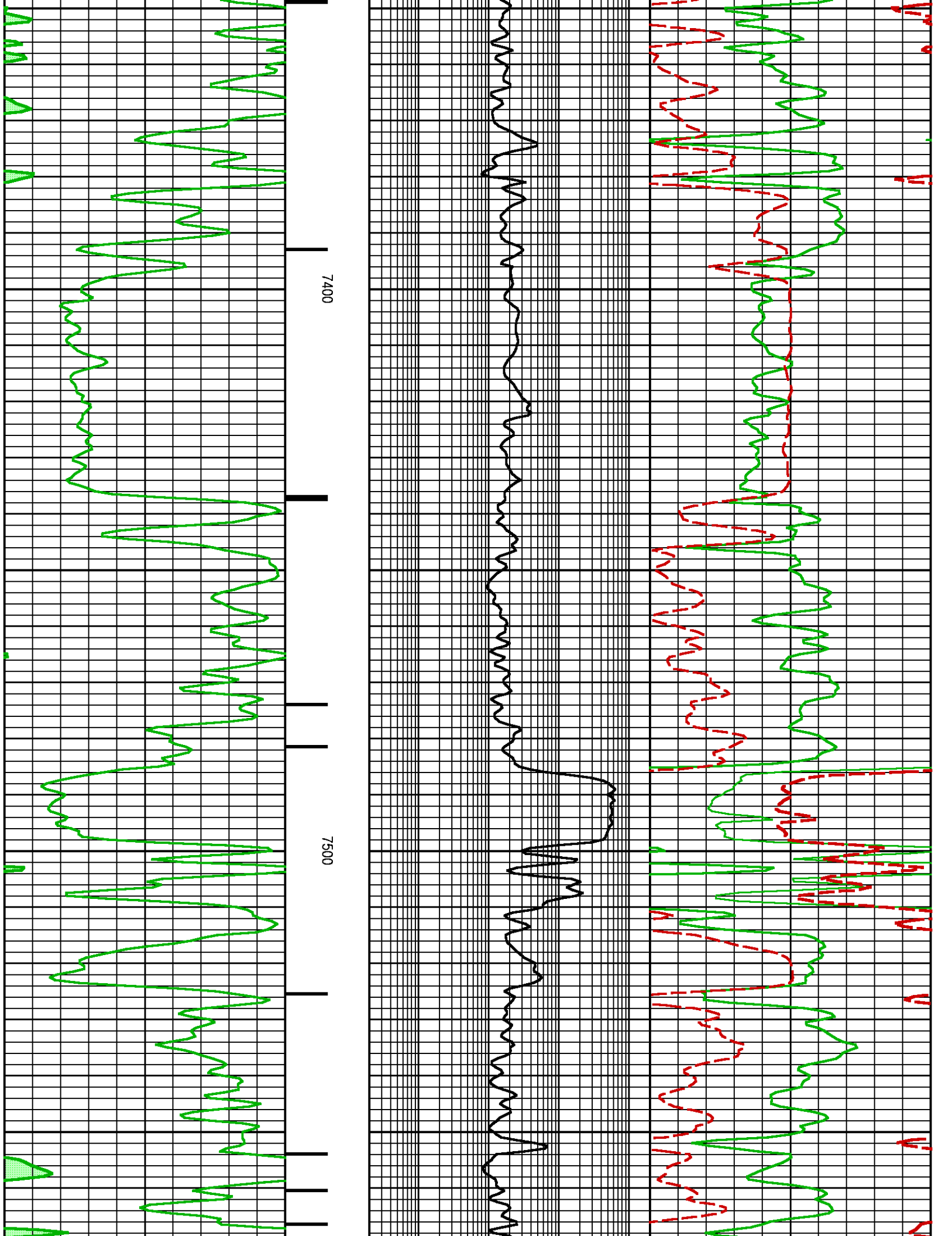
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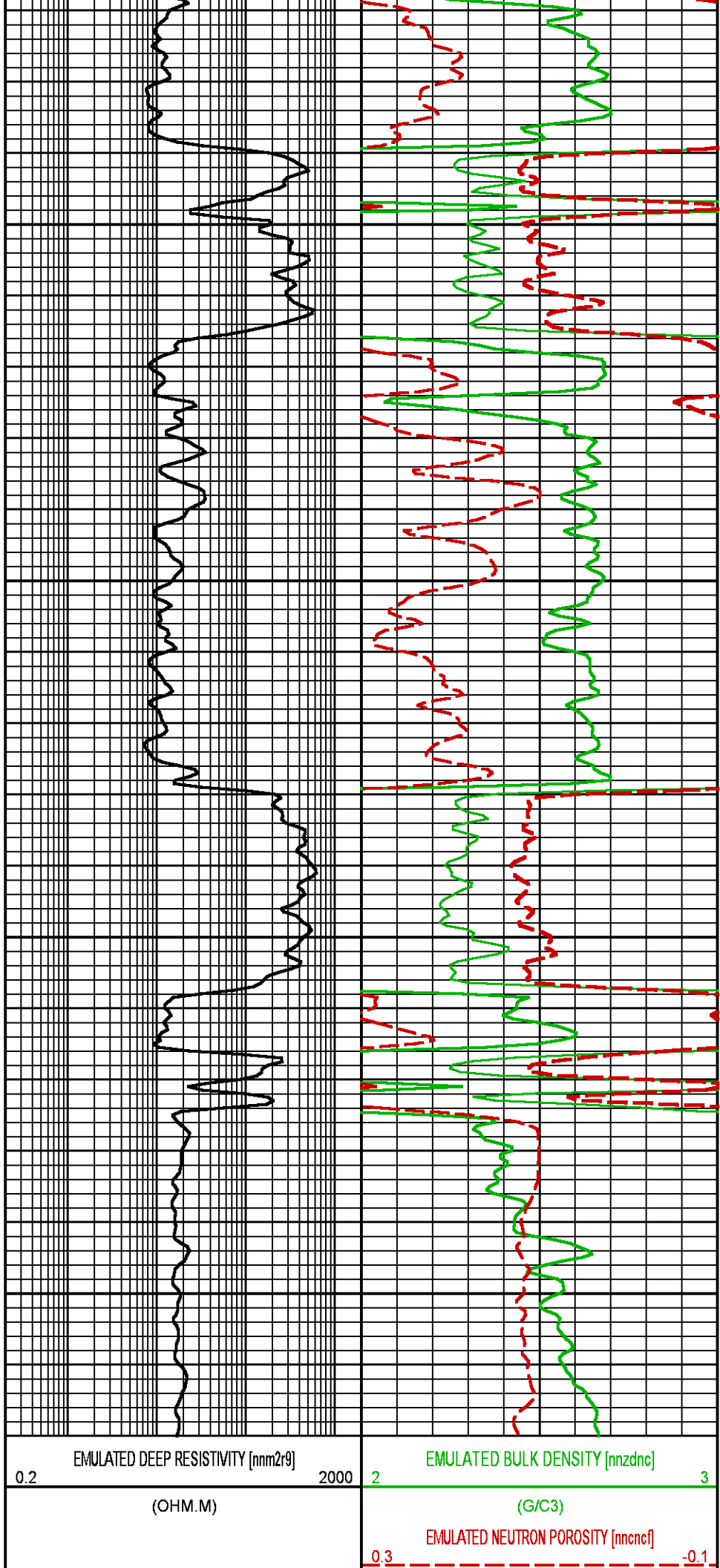
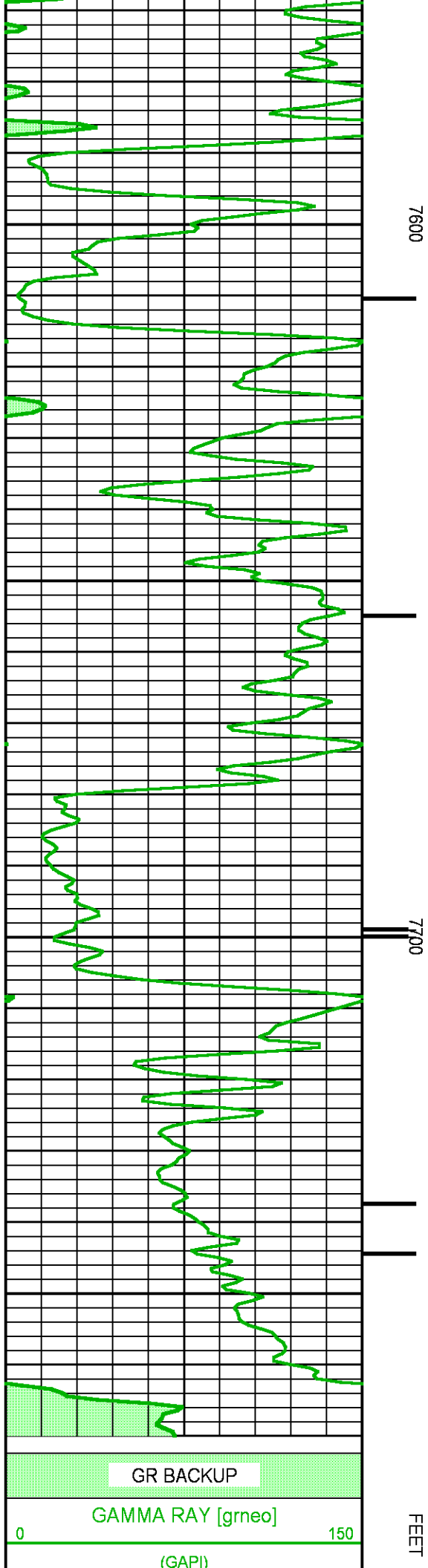




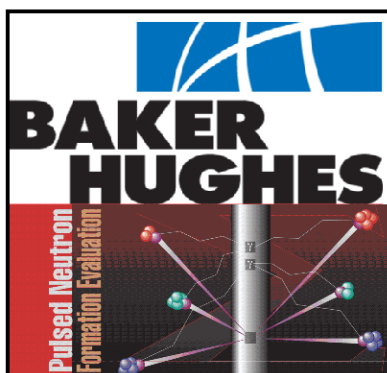








	152.151 (cc)		(FRAC)
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	<b>COMPANY</b> <u>LARAMIE ENERGY</u>		<b>FILE NO:</b> <u>21074-01</u>
	<b>WELL</b> <u>PICEANCE 28-04W</u>		<b>API NO:</b> <u>05077097720000</u>
	<b>FIELD</b> <u>VEGA</u>		
	<b>COUNTY</b> <u>MESA</u>	<b>STATE</b> <u>COLORADO</u>	
<b>LOCATION:</b> <u>SEE REMARKS SECTION</u>		<b>ELEVATIONS:</b> KB <u>7578 FT</u> DF GL <u>7556 FT</u>	
<b>SEC</b> <u>28</u> <b>TWP</b> <u>9S</u> <b>RGE</b> <u>93W</u>		<b>DATE</b> <u>27-OCT-2015</u>	