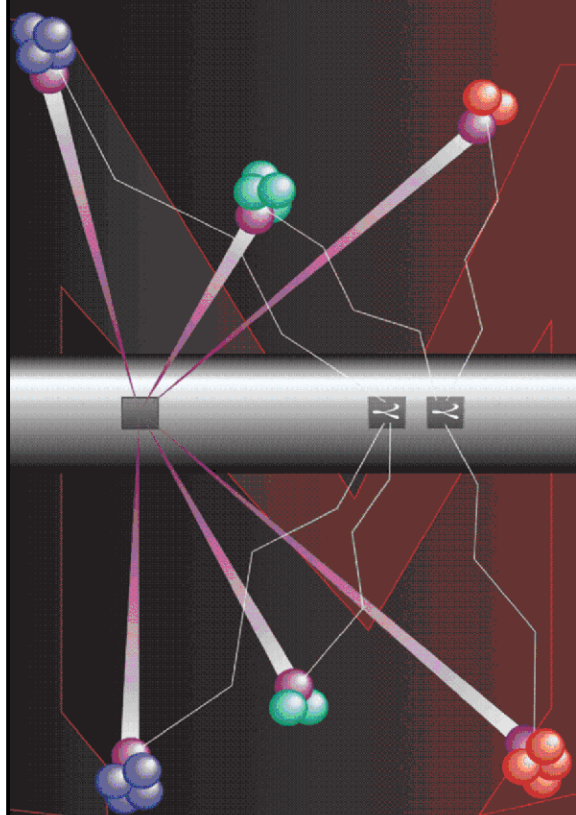




# Pulsed Neutron Formation Evaluation



## NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL PICEANCE FEDERAL 28-05M

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 28-OCT-2015 ECC 21060-01

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>28-OCT-2015</u>
FIELD DATA	LOCATION: <u>GRAND JCT</u>		ENGINEER: <u>EDWARDS / US100243</u>	DATE: <u>23-OCT-2015</u>
FROM	TO			
<u>2658 FT</u>	<u>3244 FT</u>			
<u>4952 FT</u>	<u>7948 FT</u>			

### REMARKS

LOCATION:  
SHL: LAT 39.251022; LONG -107.779514  
BHL: LAT 39.252211; LONG -107.774500

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 LARAMIE PICEANCE FEDERAL 28-05M (G-SAND)

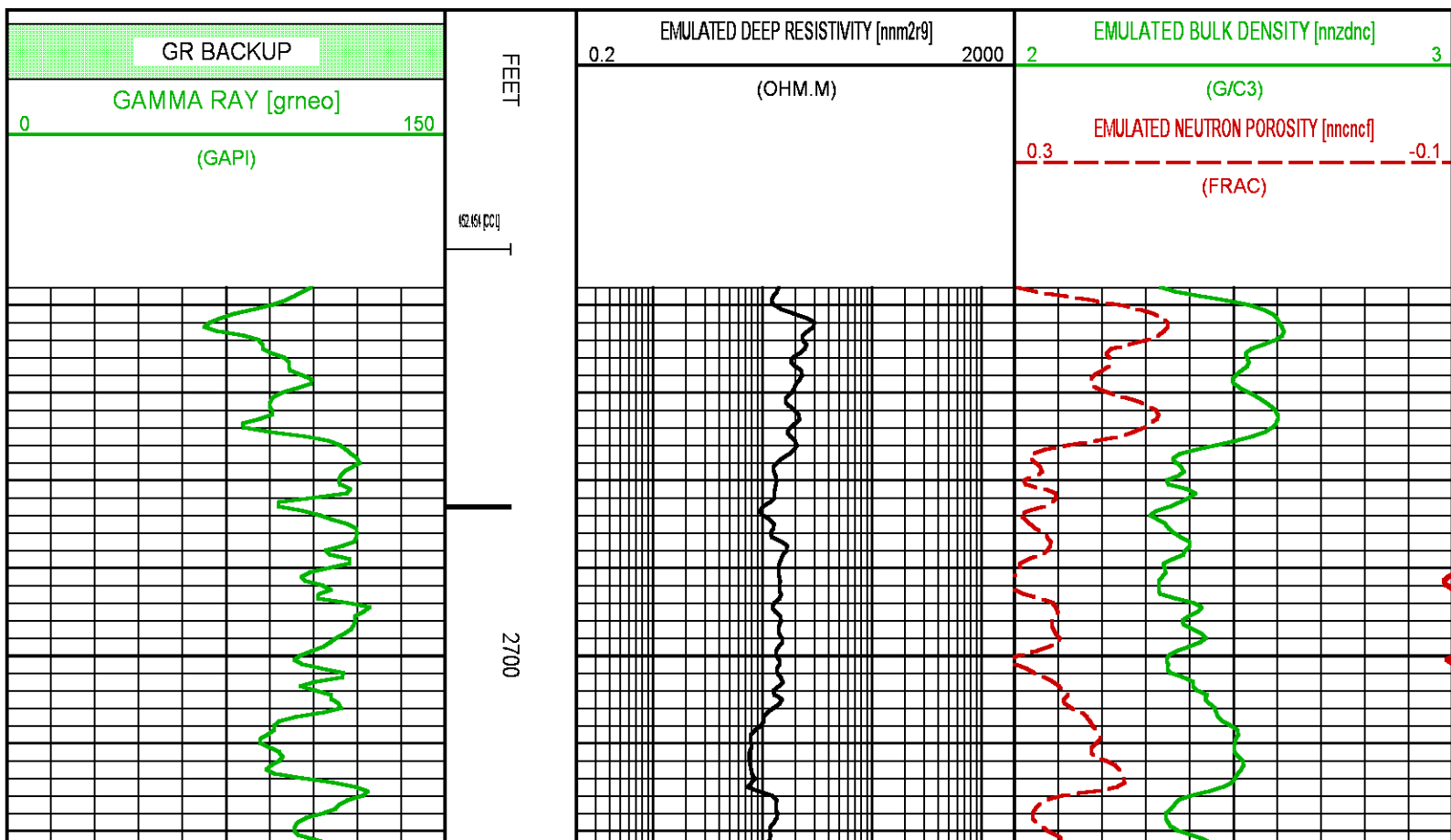
ECLIPS EC PLOT 6.2 ECLIPS Plotting &amp; Post-Processing Mon 11/17/2014 14:36:44.29

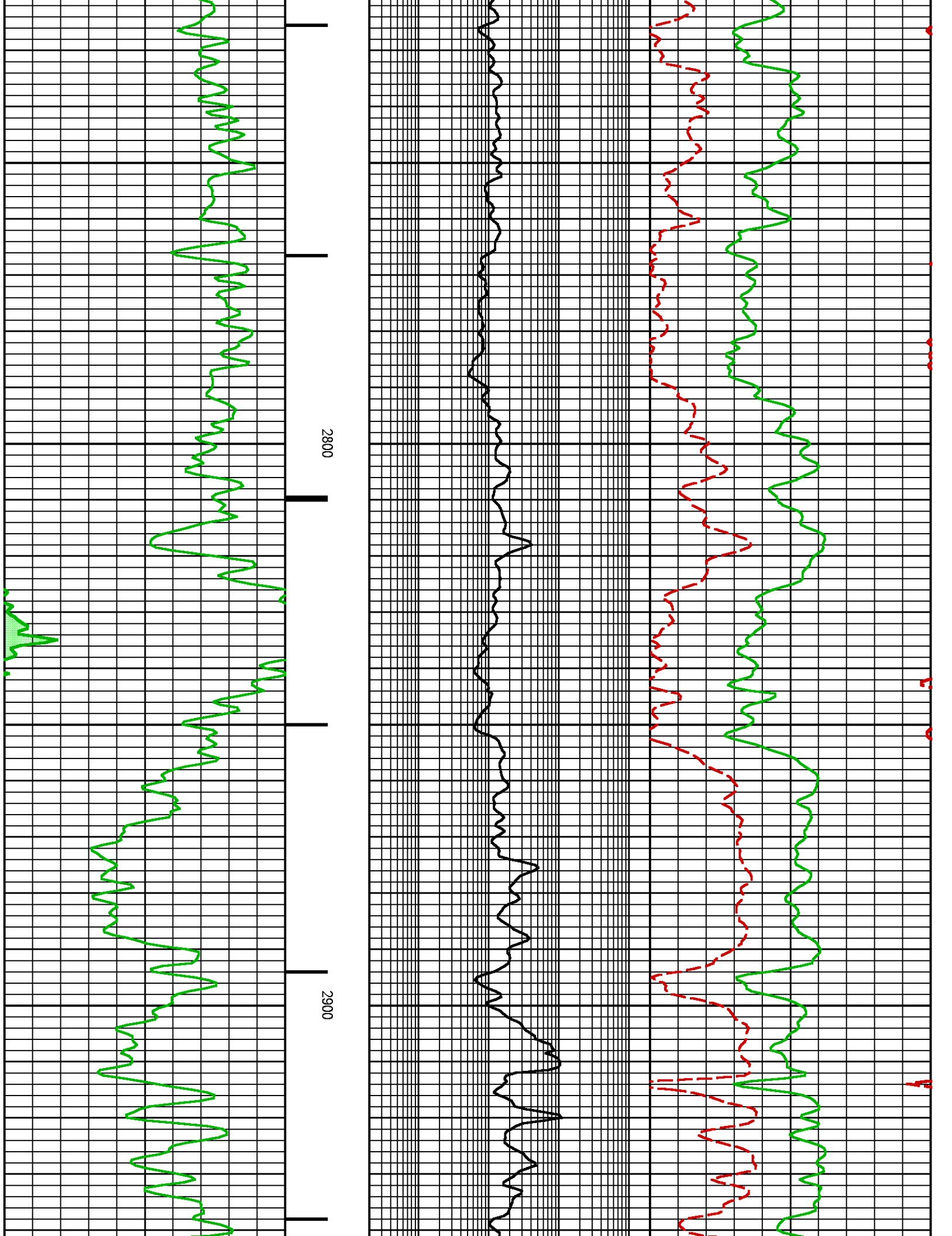
Plotted: Wed Oct 28 14:41:02 2015

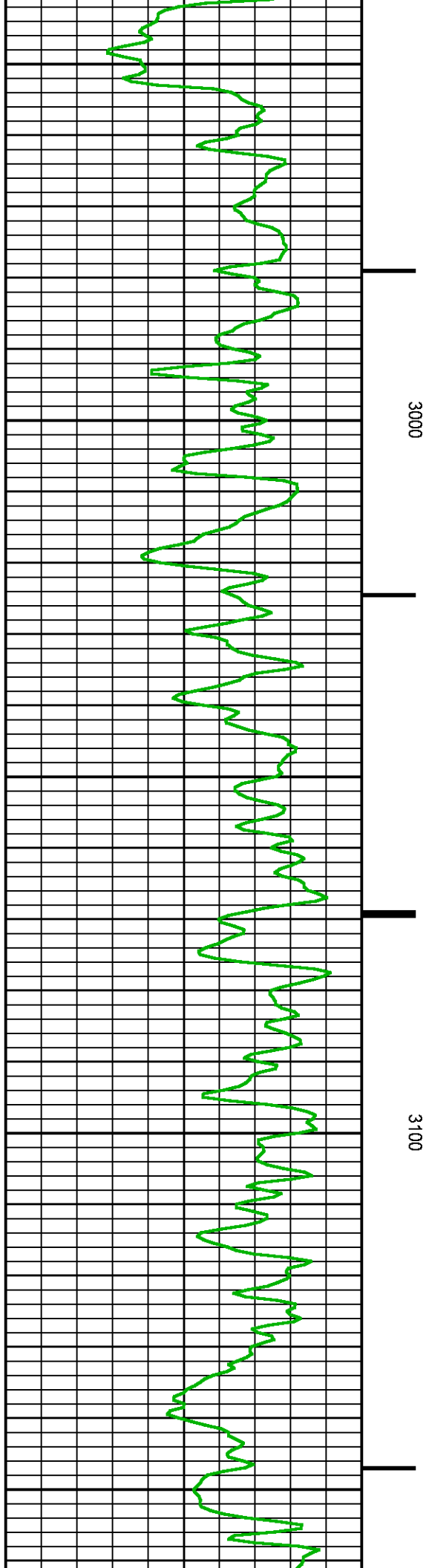
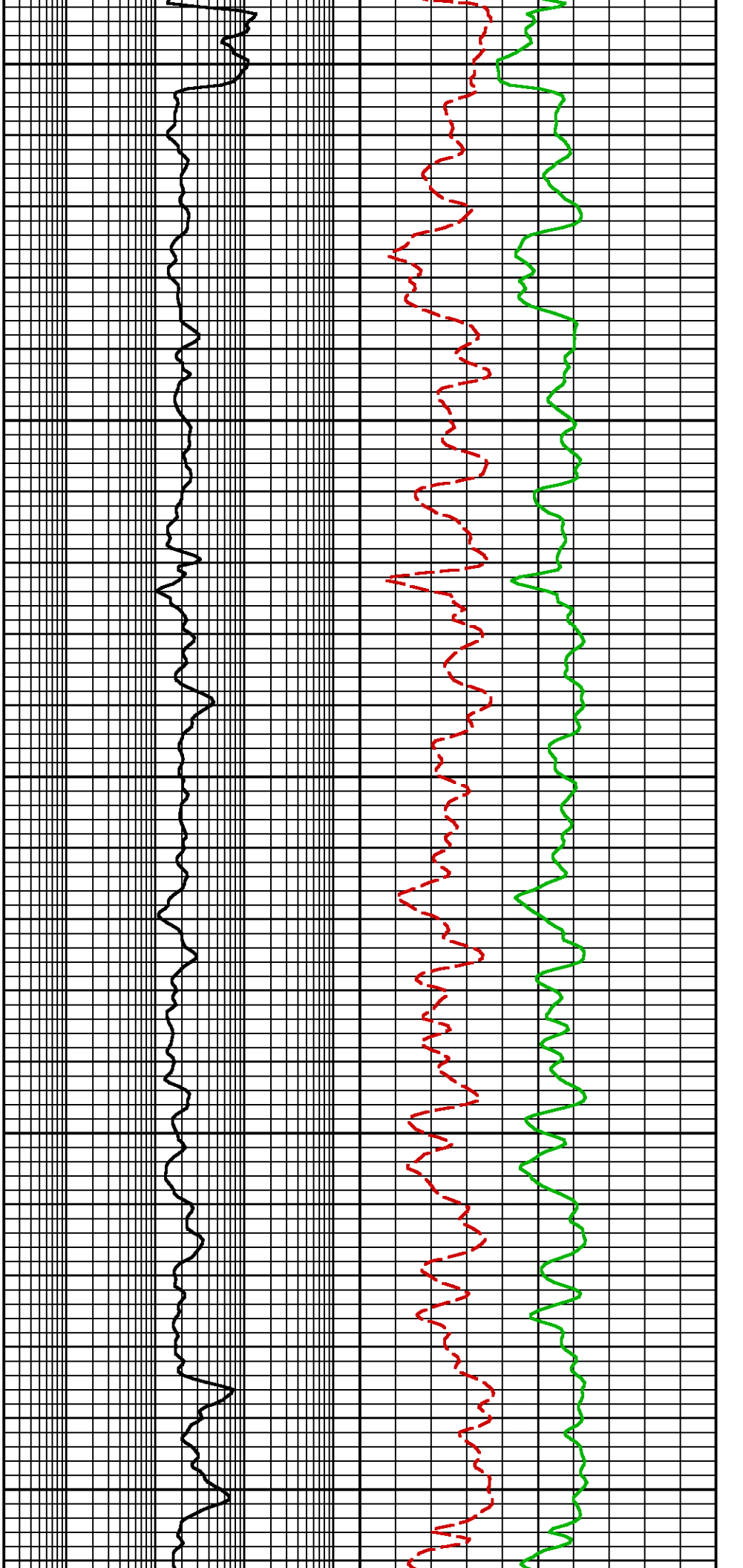
## CURVE MEASURE POINT OFFSET

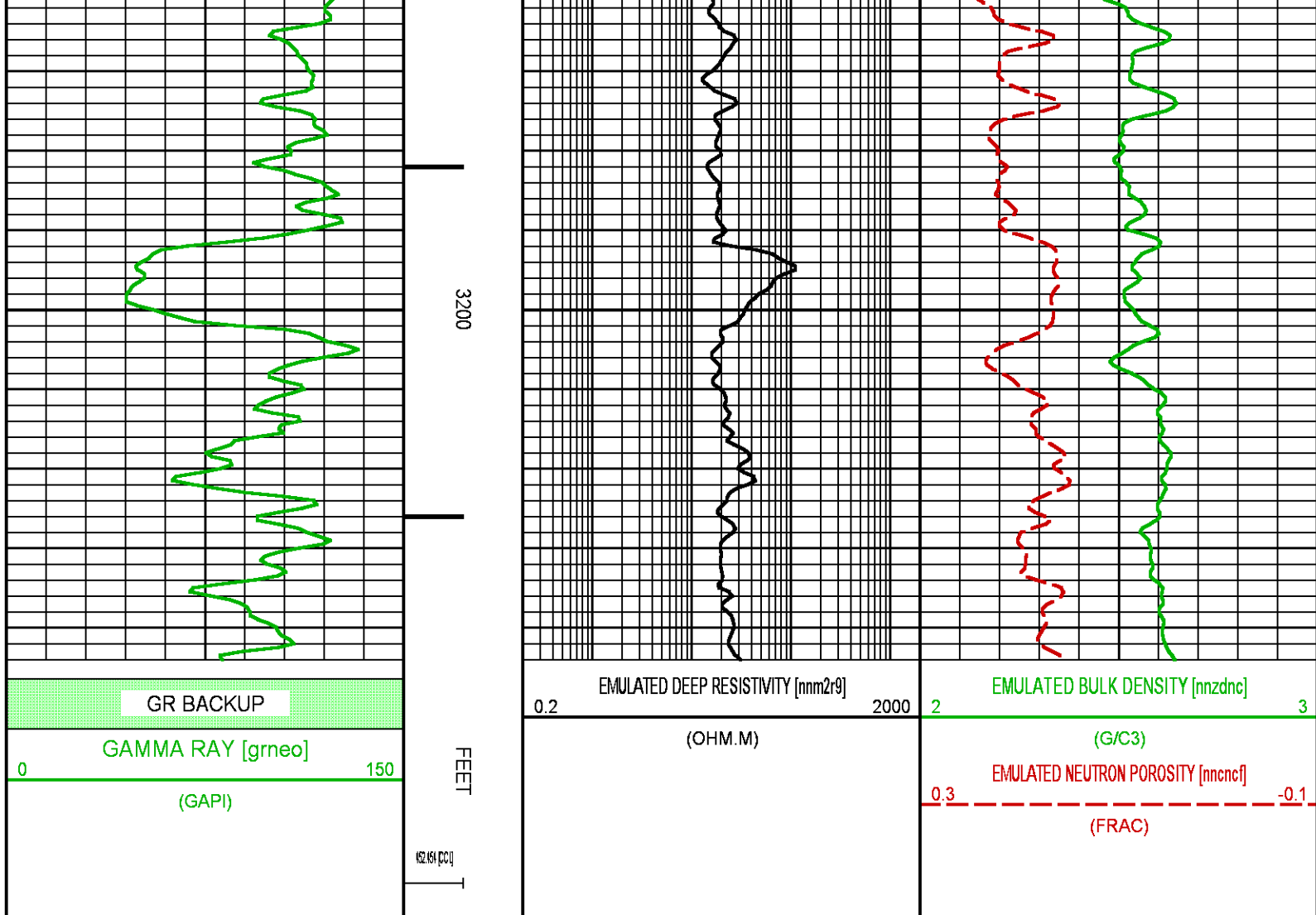
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNC	0.00	NNZDNC	0.00		
GRNEO	0.00	NNM2R9	0.00				

**Project** : NA  
**User** : kamgseb  
**Presentation** : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2805M\  
                   1NEO\_PRESENTATION+PICEANCE FEDERAL 28-5M\_Merged\_Set\_Final.fvpdf [5"/100' Scale]  
**Plot Interval** : 2658 - 3244 Feet  
  
**Data File 1** : F1 : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2805M\  
                   PICEANCE FEDERAL 28-5M\_Merged\_Set\_Final.xtf  
**Created On** : Oct 28 14:14:29 2015  
**Company** : LARAMIE ENERGY  
**Well** : PICEANCE FEDERAL 28-5M  
**Field** : VEGA  
**File Interval** : 2658 - 7954 Feet  
**OCT** : NA









## NEO RESULTS FOR LARAMIE PICEANCE FEDERAL 28-05M (MAIN)

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

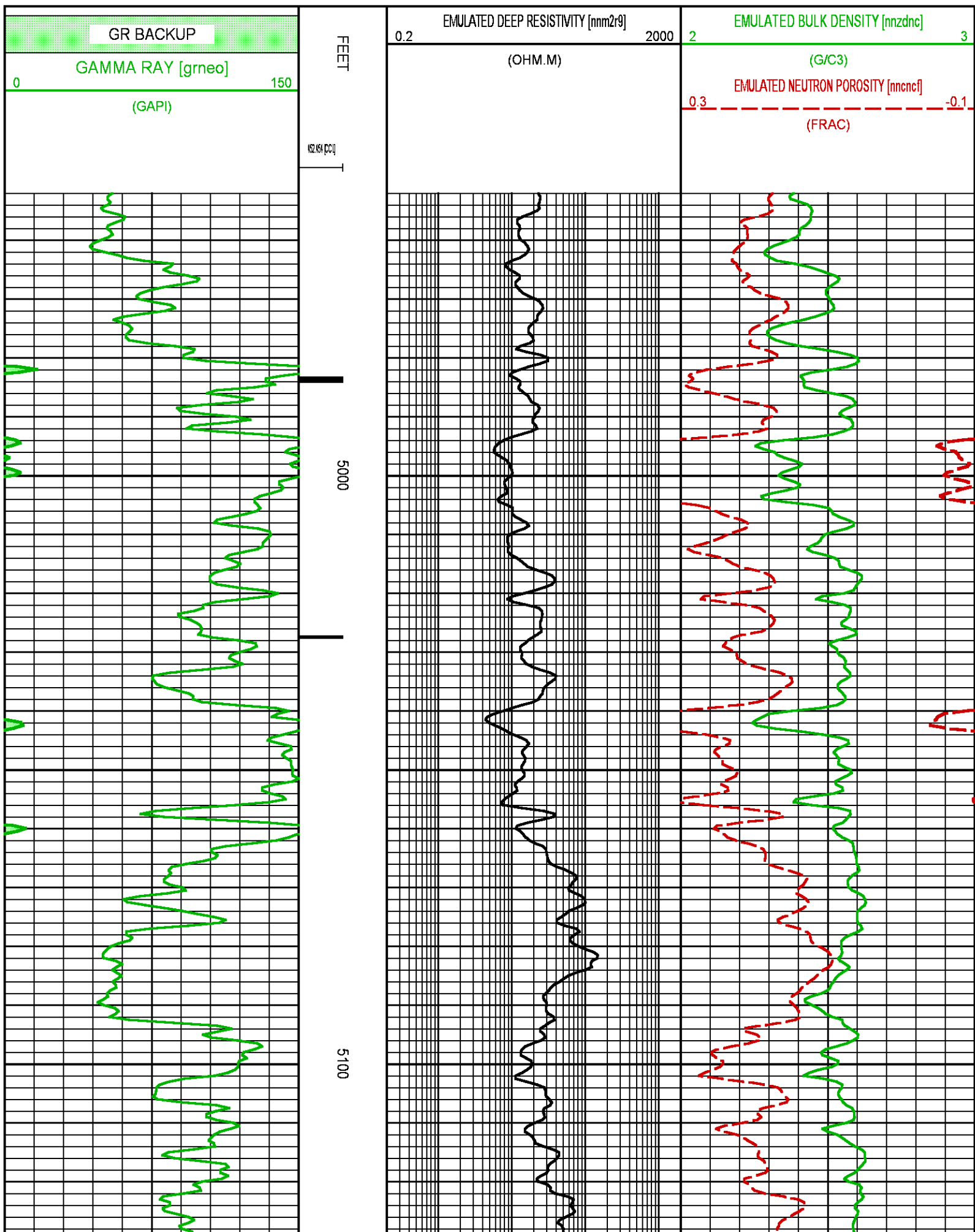
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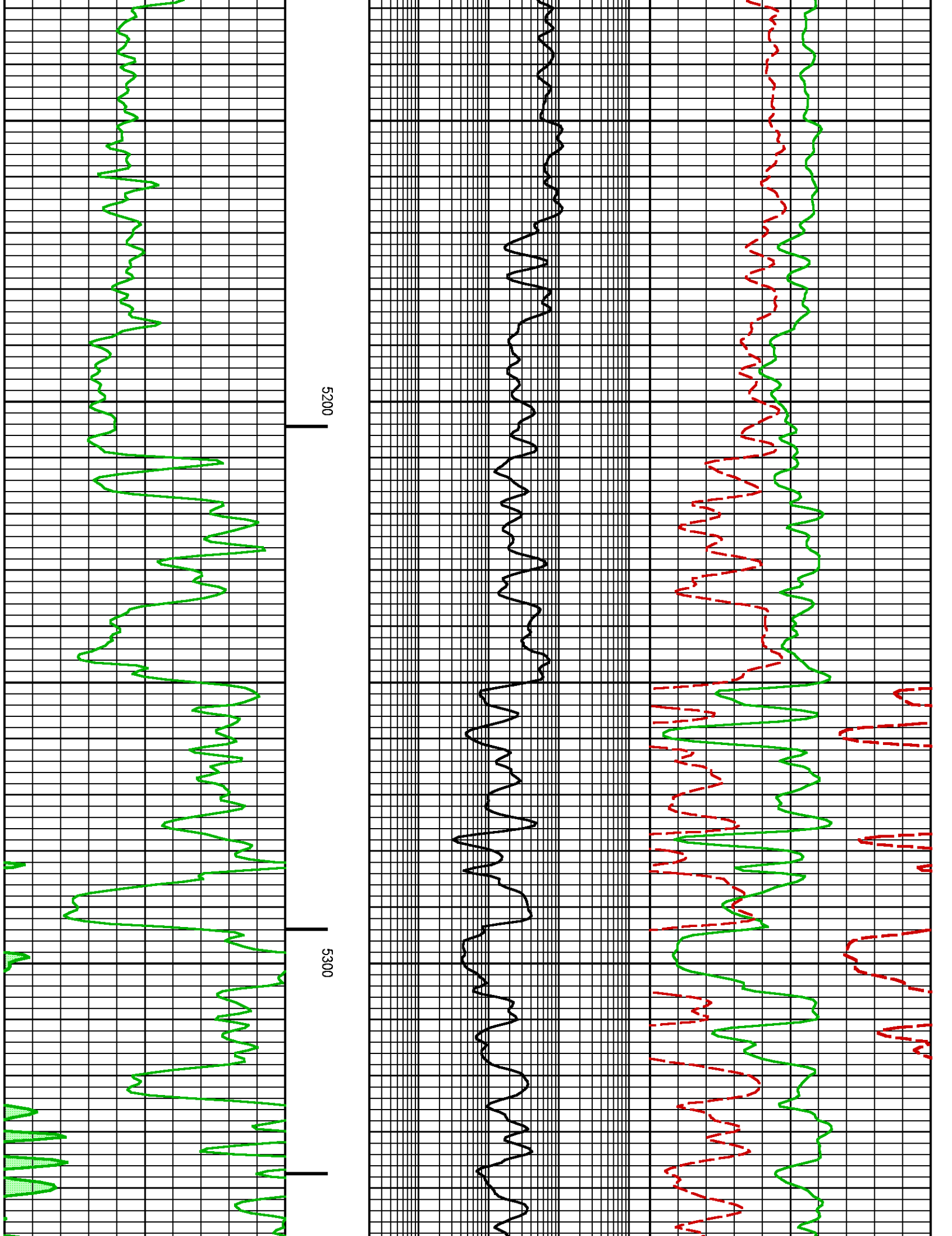
### CURVE MEASURE POINT OFFSET

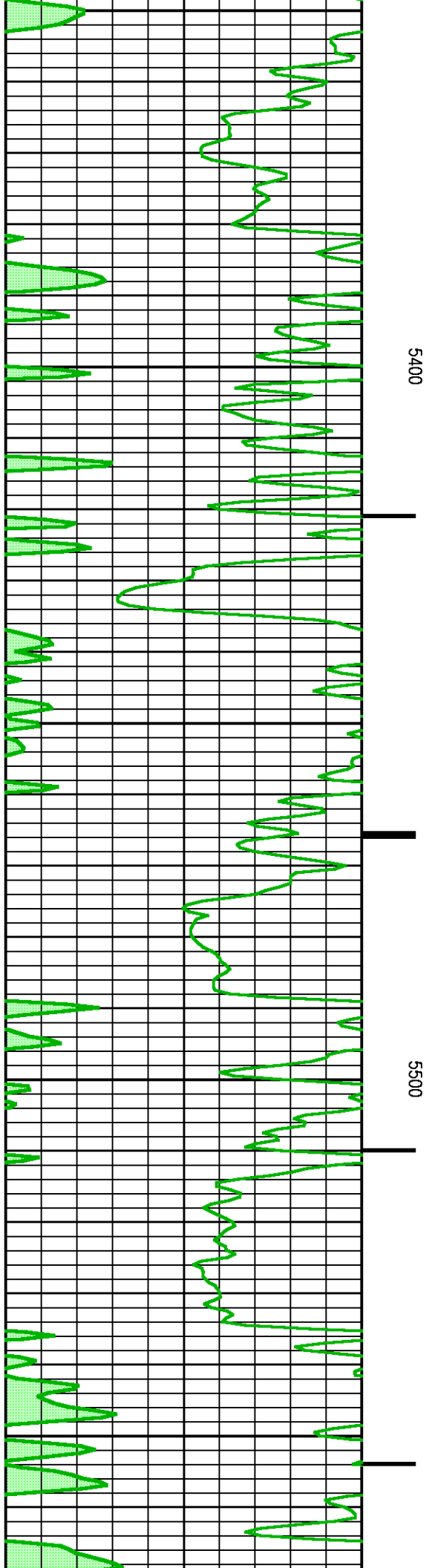
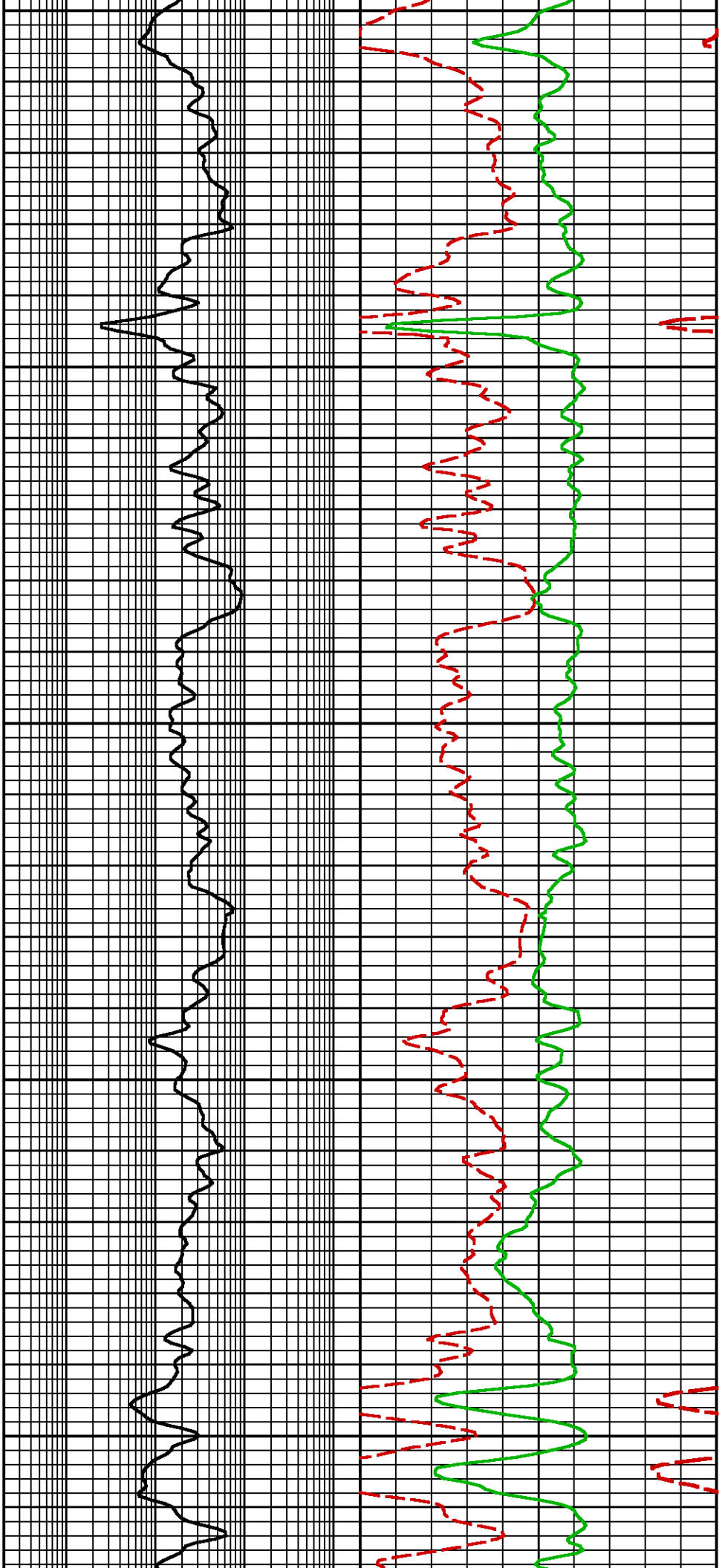
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNC	0.00	NNZDNC	0.00		
GRNEO	0.00	NNM2R9	0.00				

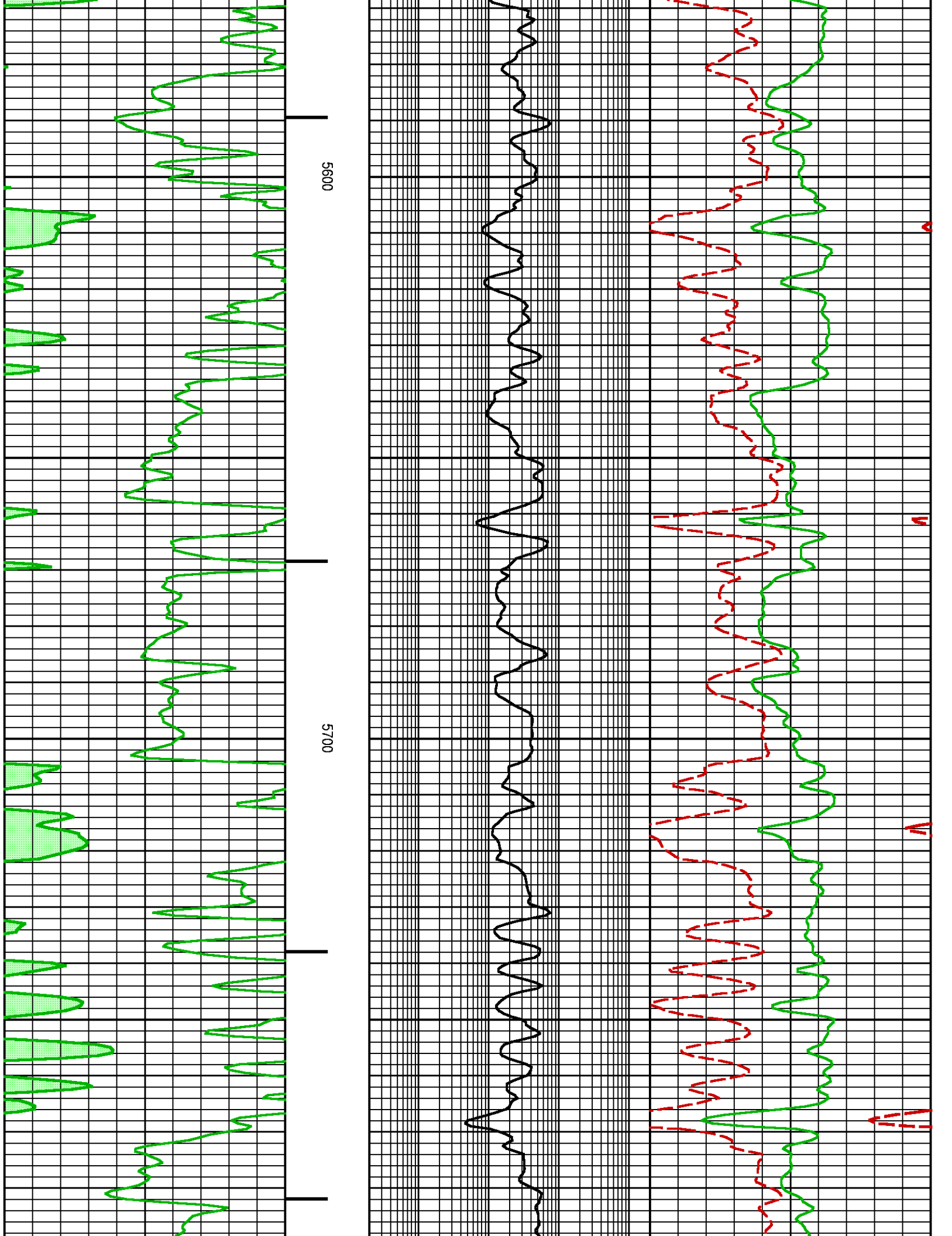
**Project** : NA  
**User** : kamgseb  
**Presentation** : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2805M\  
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**Plot Interval** : 4952 - 7948 Feet  
**Data File 1** : F1 : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2805M\  
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**Created On** : Oct 28 14:29 2015  
**Company** : LARAMIE ENERGY  
**Well** : PICEANCE FEDERAL 28-5M

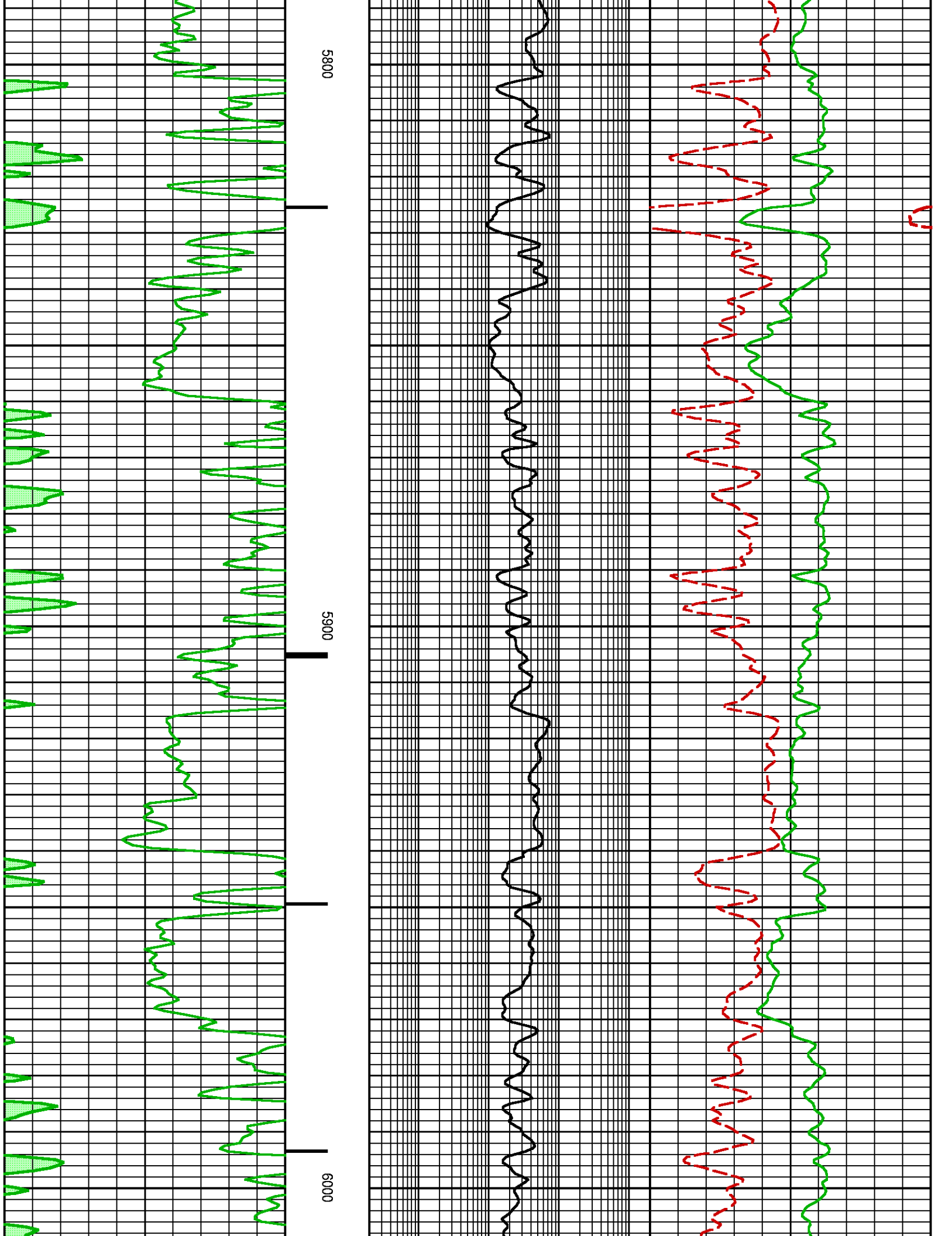
Field : VEGA  
File Interval : 2658 - 7954 Feet  
OCT : NA

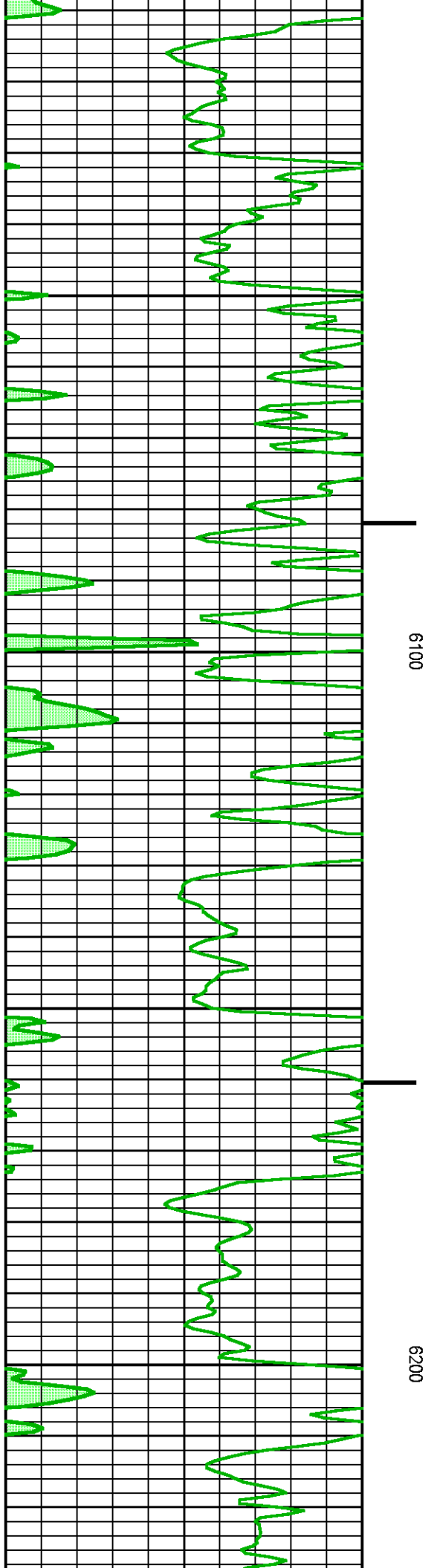
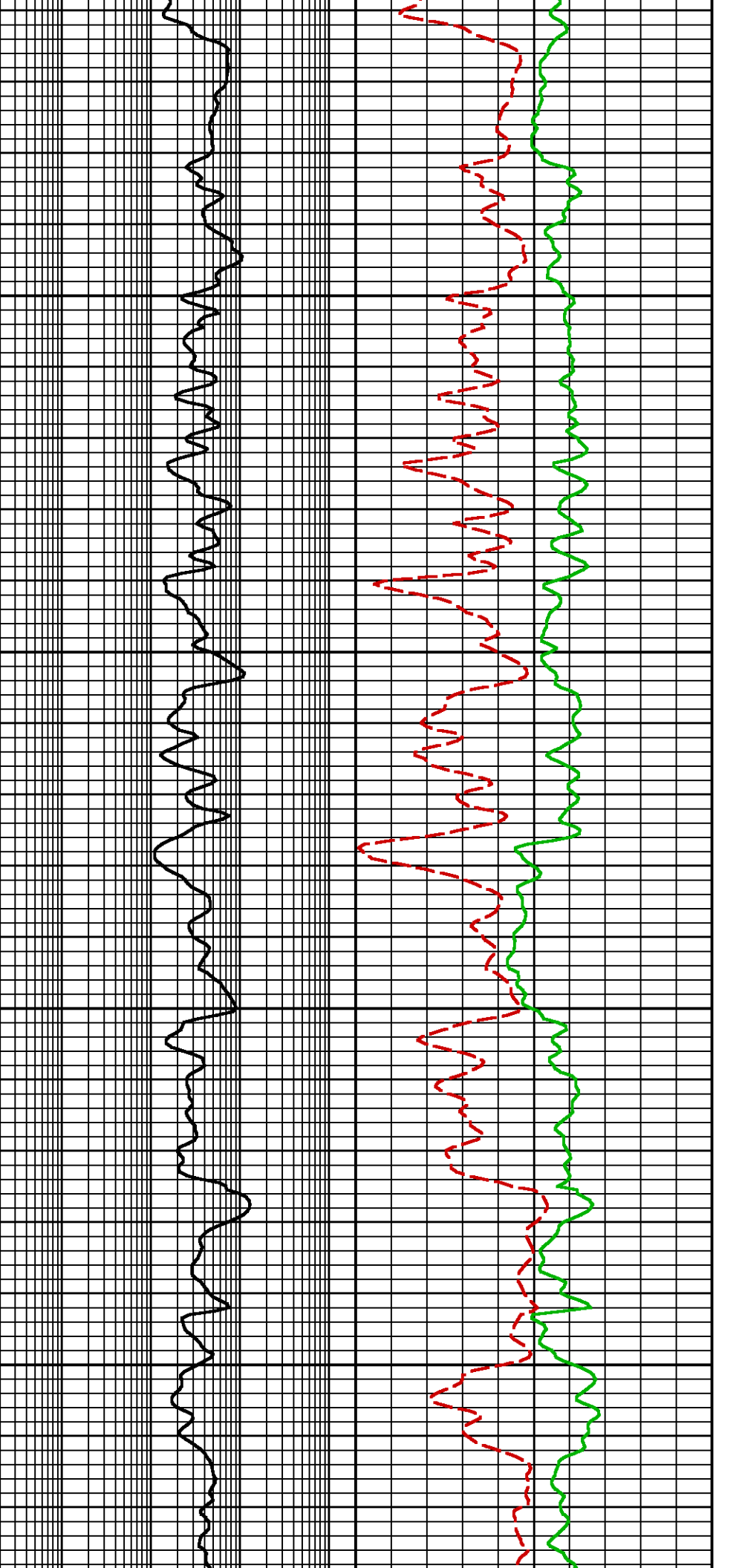


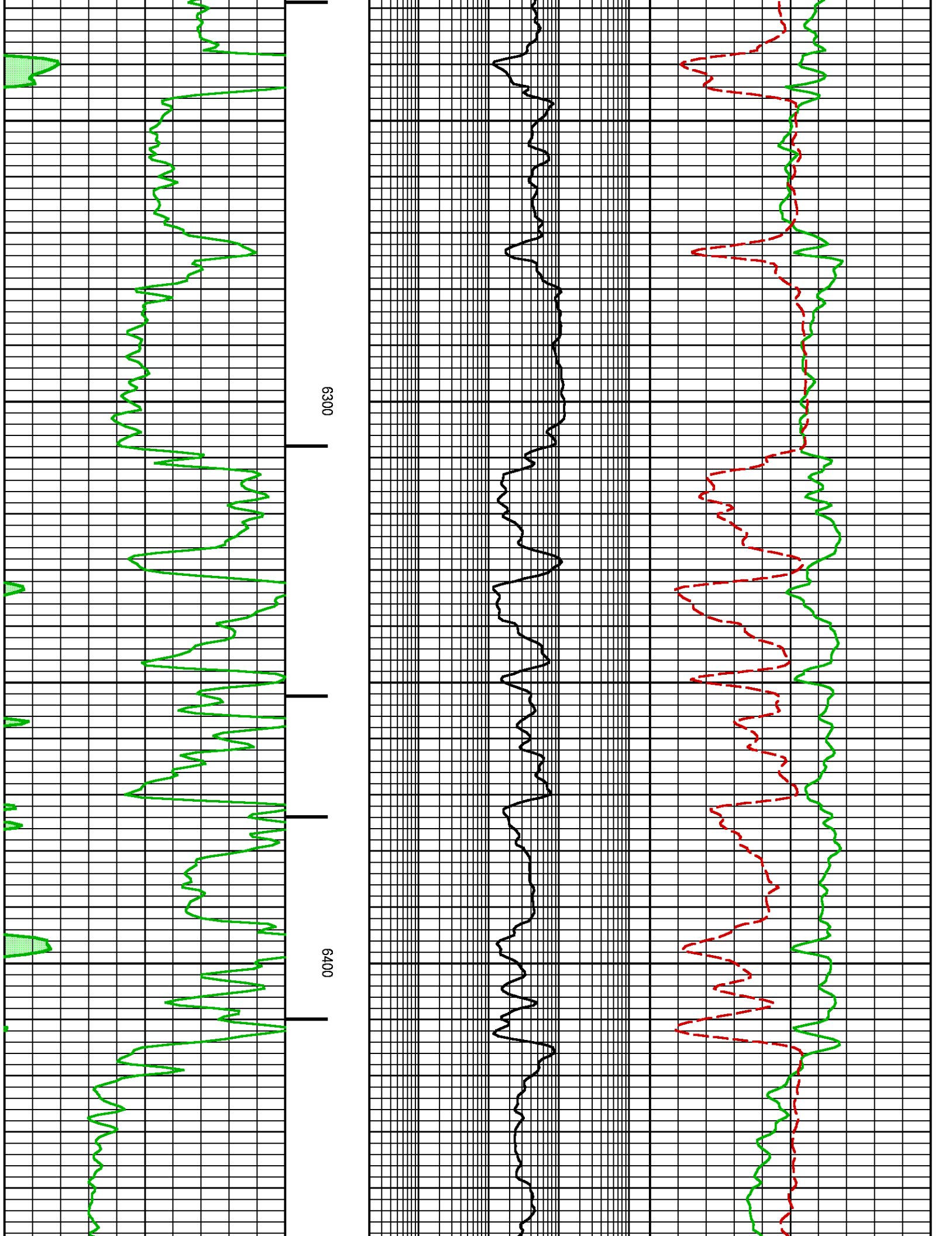


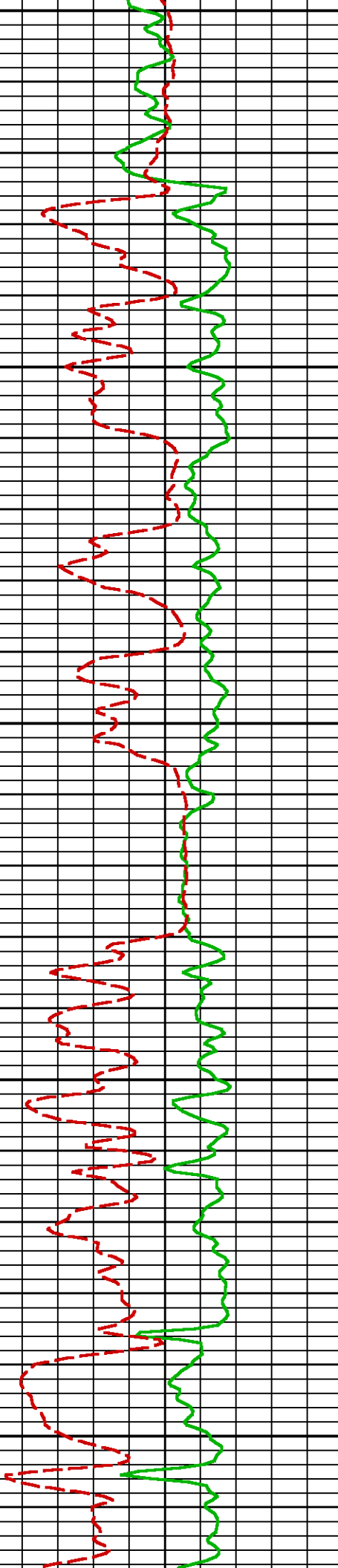
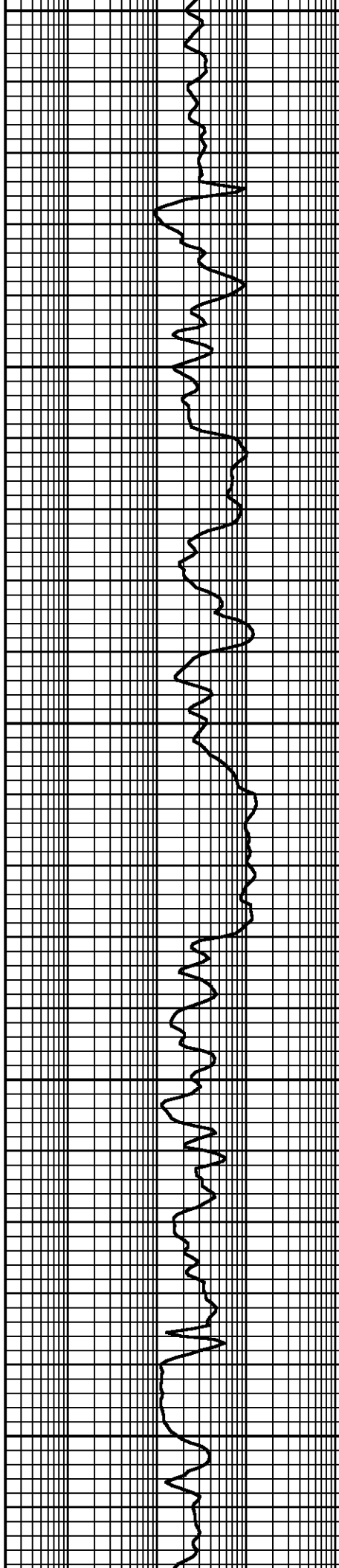
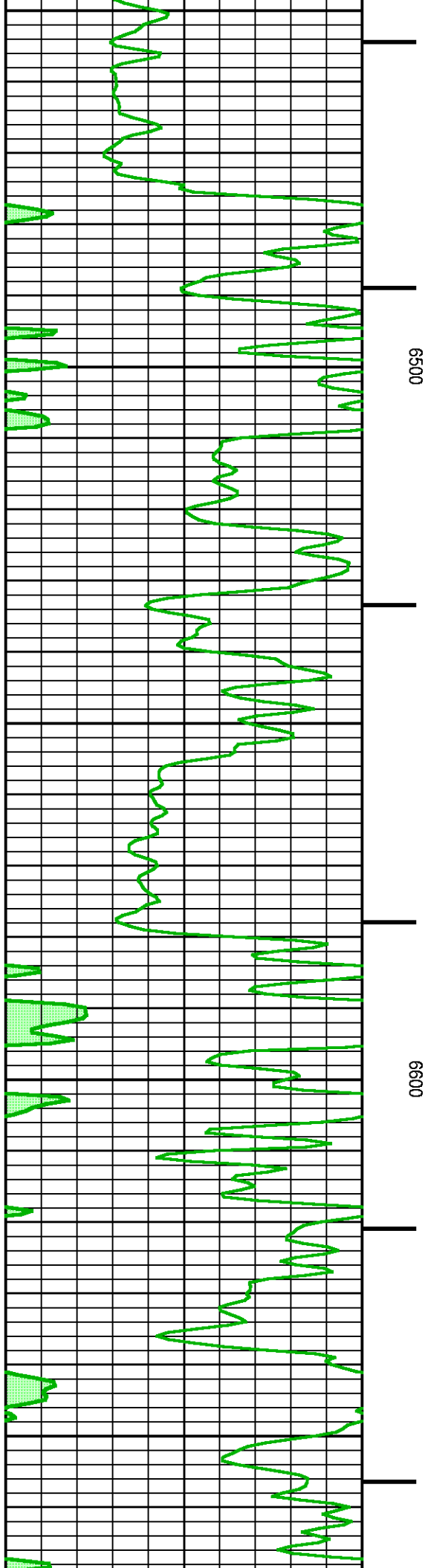


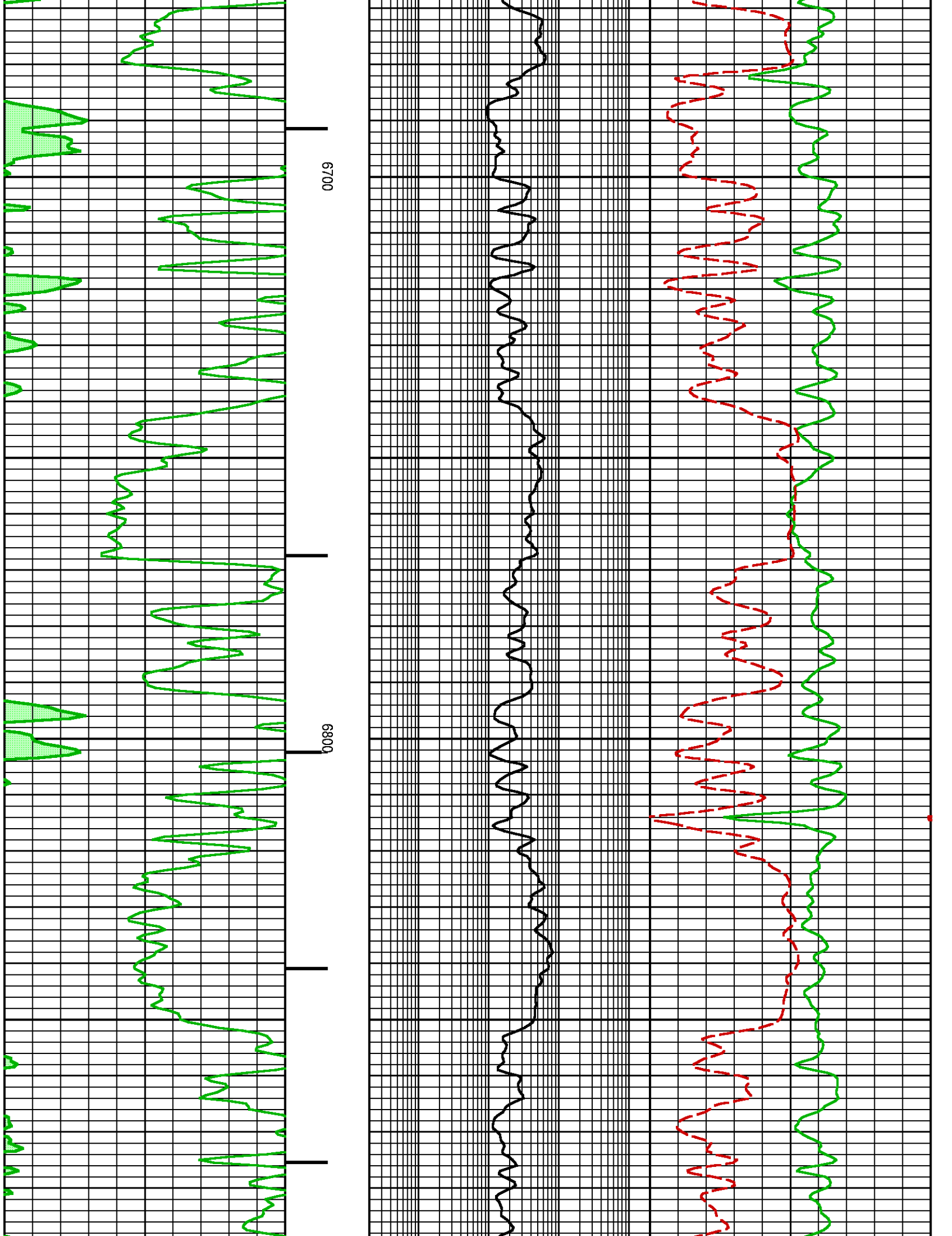


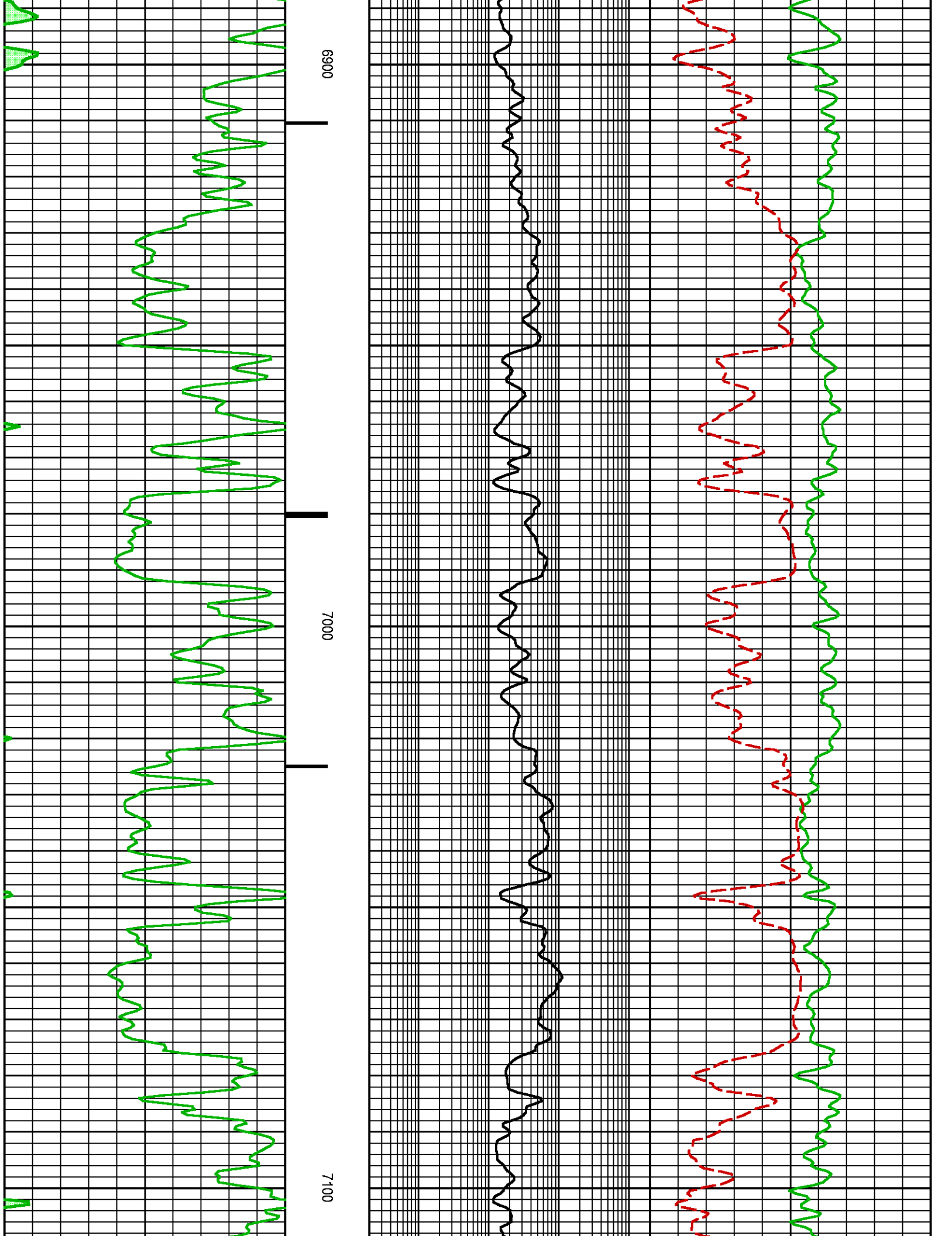


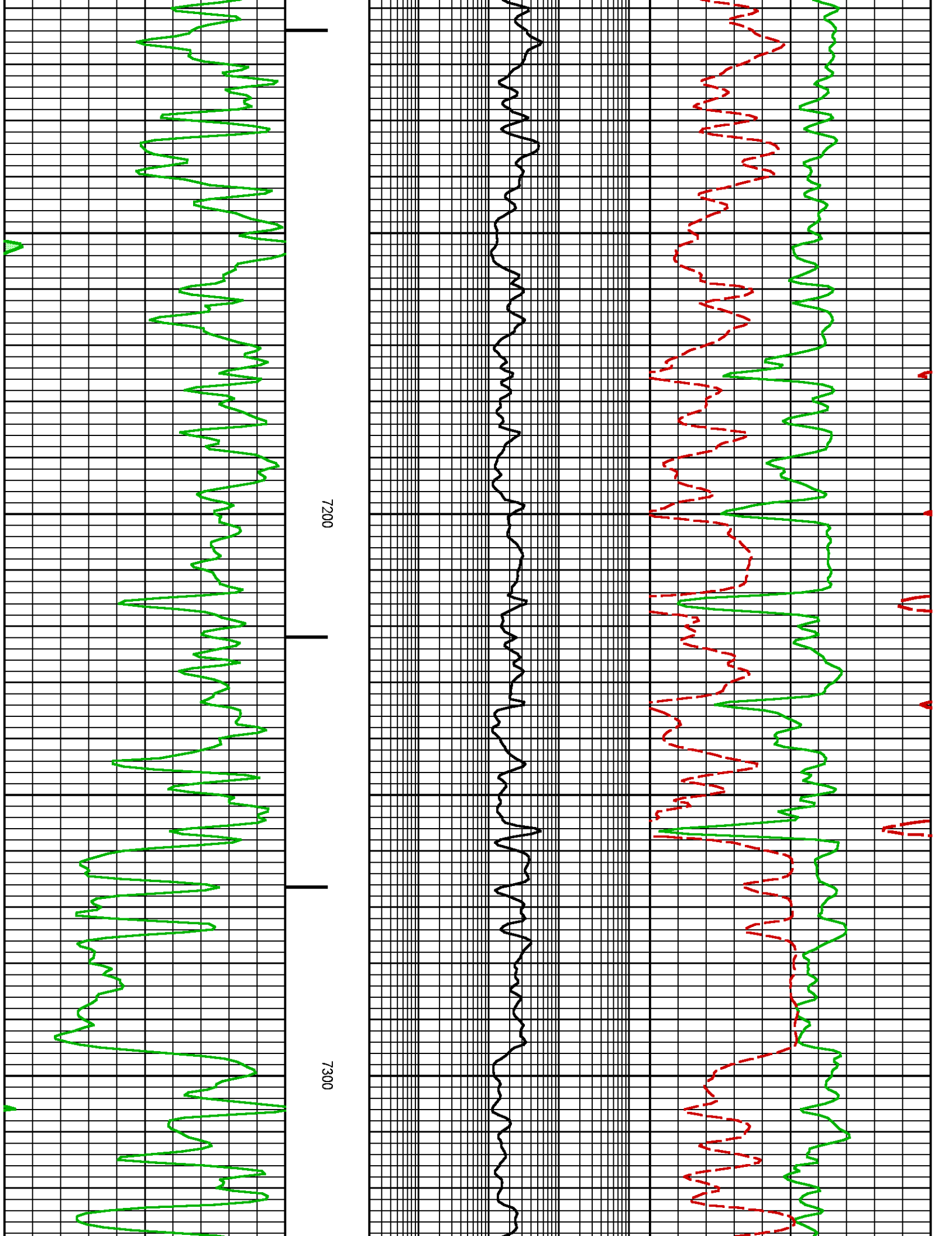


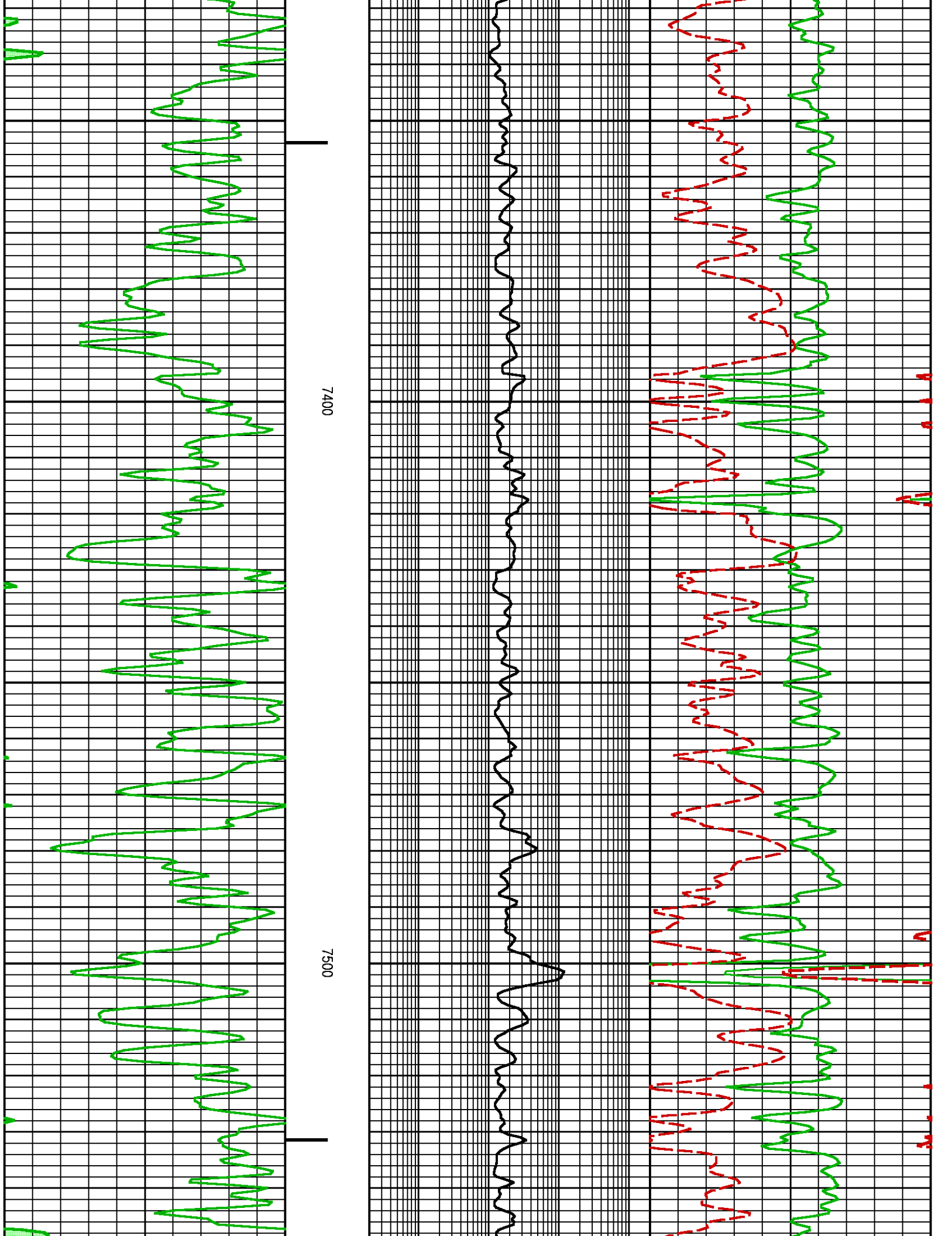


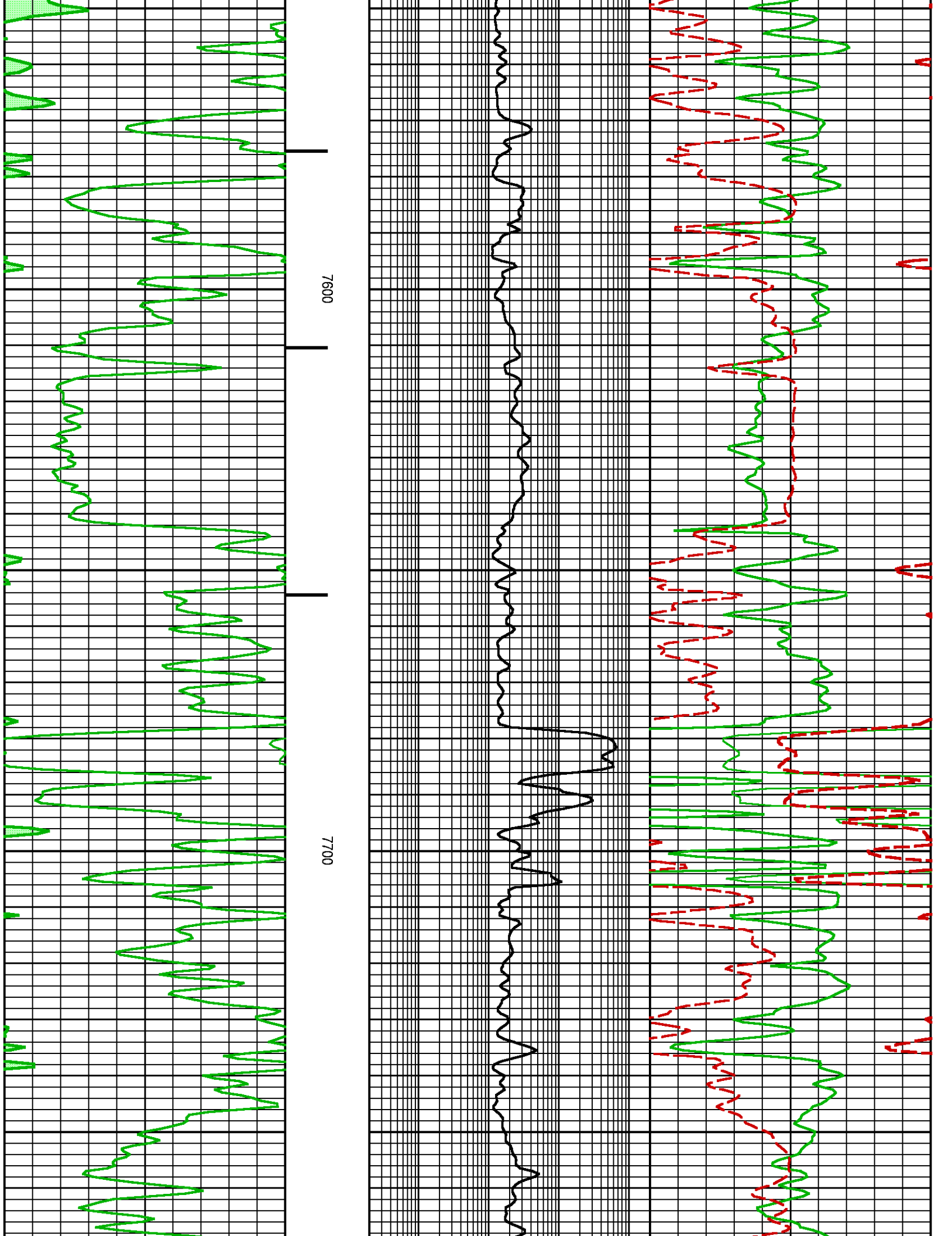


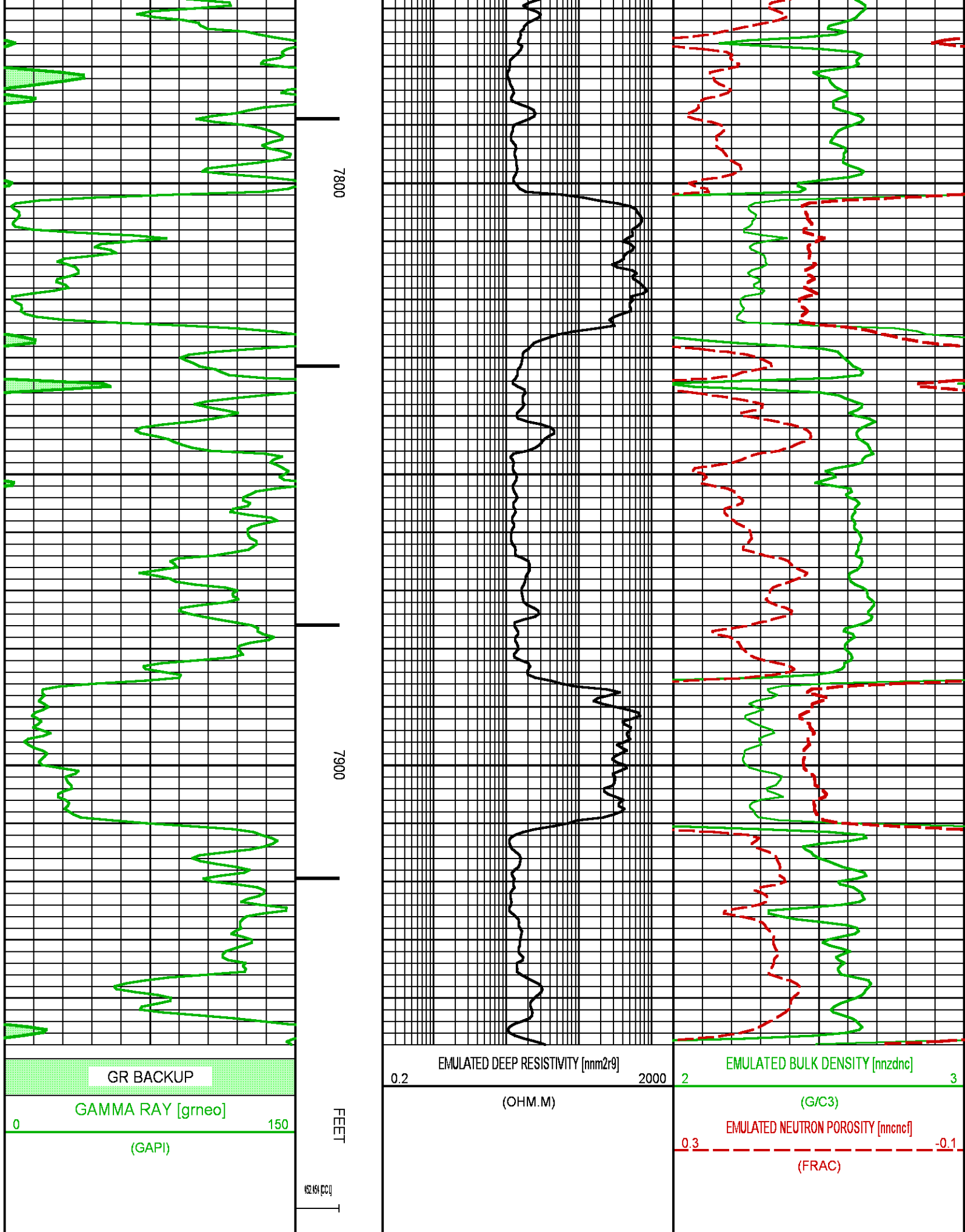


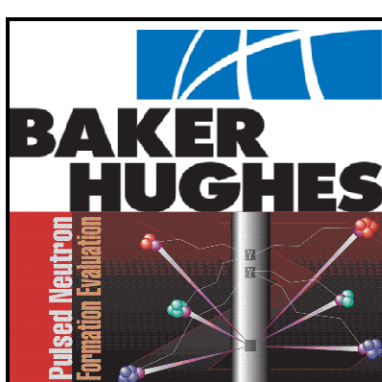










	COMPANY	LARAMIE ENERGY		FILE NO:	
	WELL	PICEANCE FEDERAL 28-05M			21060-01
	FIELD	VEGA		API NO:	
	COUNTY	MESA	STATE	COLORADO	05077102420000
LOCATION:		ELEVATIONS:			
SEE REMARKS SECTION		KB 7578 FT			
		DF			
		GL 7556 FT			
SEC 28 TWP 9S RGE 93W		DATE		28-OCT-2015	