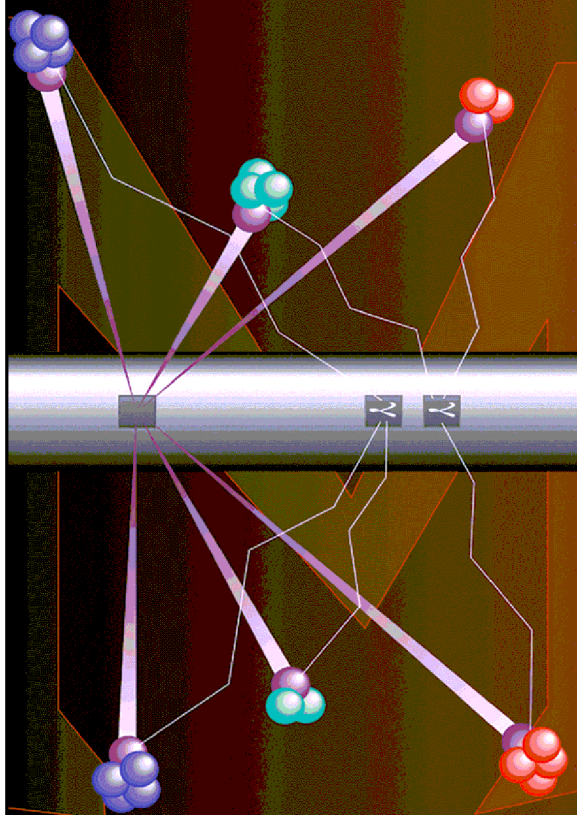


Pulsed Neutron Formation Evaluation



**BAKER
HUGHES**
a GE company



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY II LLC

WELL BCU 0993-21-06E

FIELD BUZZARD CREEK

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS SECTION

SEC 21 TWP 9S RGE 93W

ELEVATIONS:

KB 7287 FT DF GL 7257 FT

DATE 27-NOV-2018 ECC US145360J

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>28-NOV-2018</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>	ENGINEER: <u>M. BAUKA/US145360J</u>	DATE: <u>27-NOV-2018</u>
FROM	TO		
<u>2571 FT</u>	<u>9020 FT</u>		

REMARKS

LOCATION:
SHL: 1358.0' FNL & 1322.0' FEL
BHL: 1358.0' FNL & 1322.0' FEL

TRAINING WELL: 0993 21-08W

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 BCU 0993-21-06E (G-SAND)

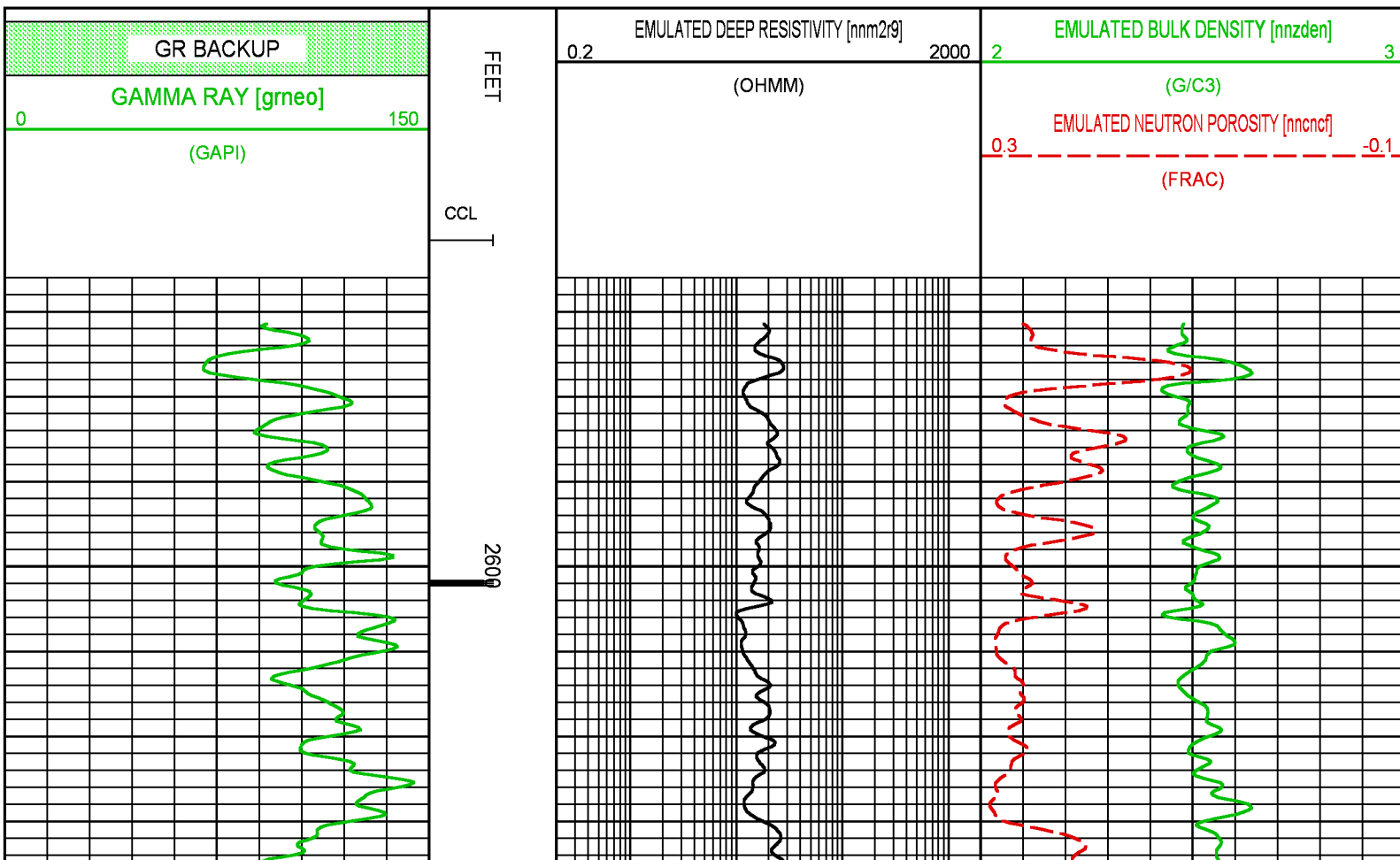
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

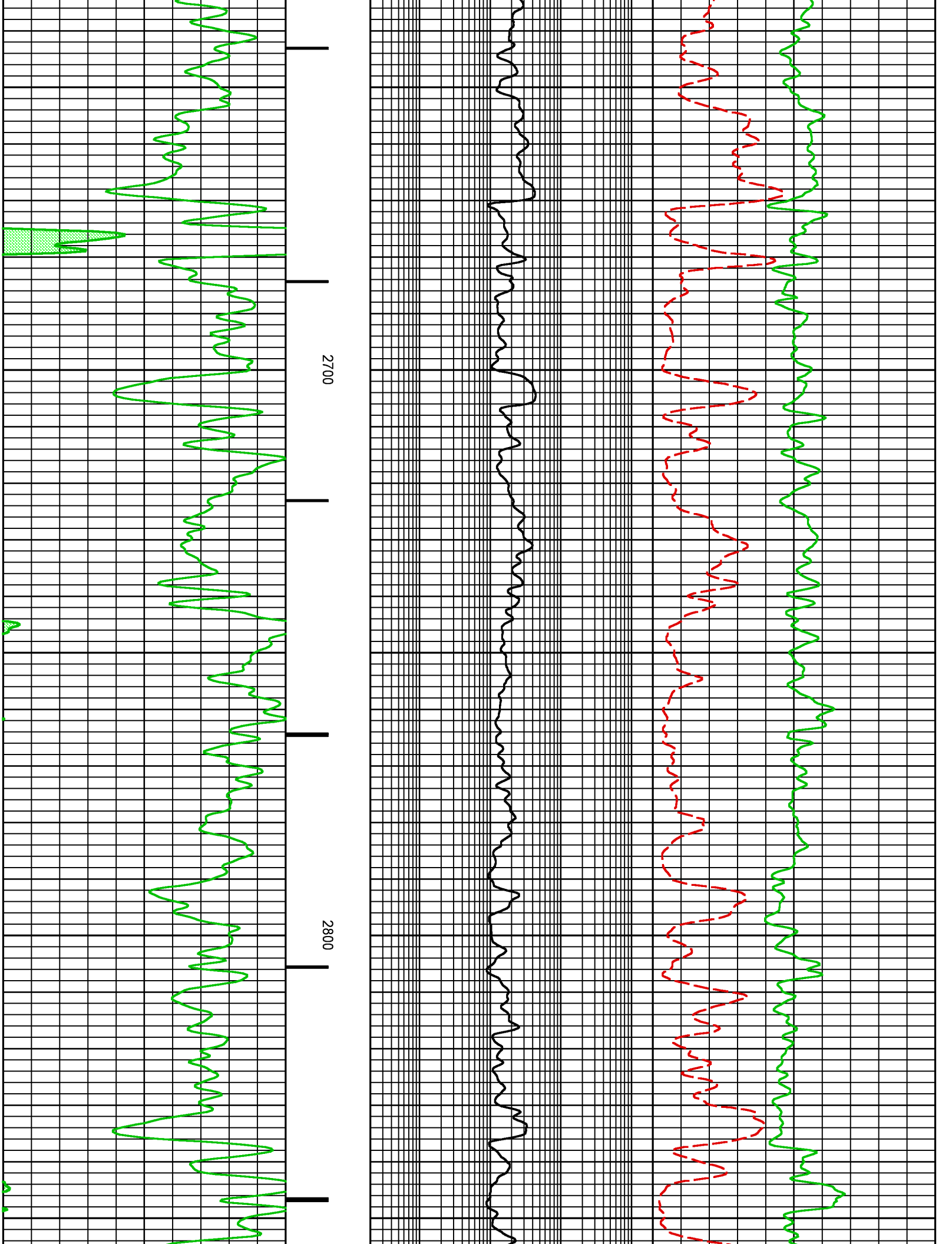
Plotted: Wed Nov 28 11:29:57 2018

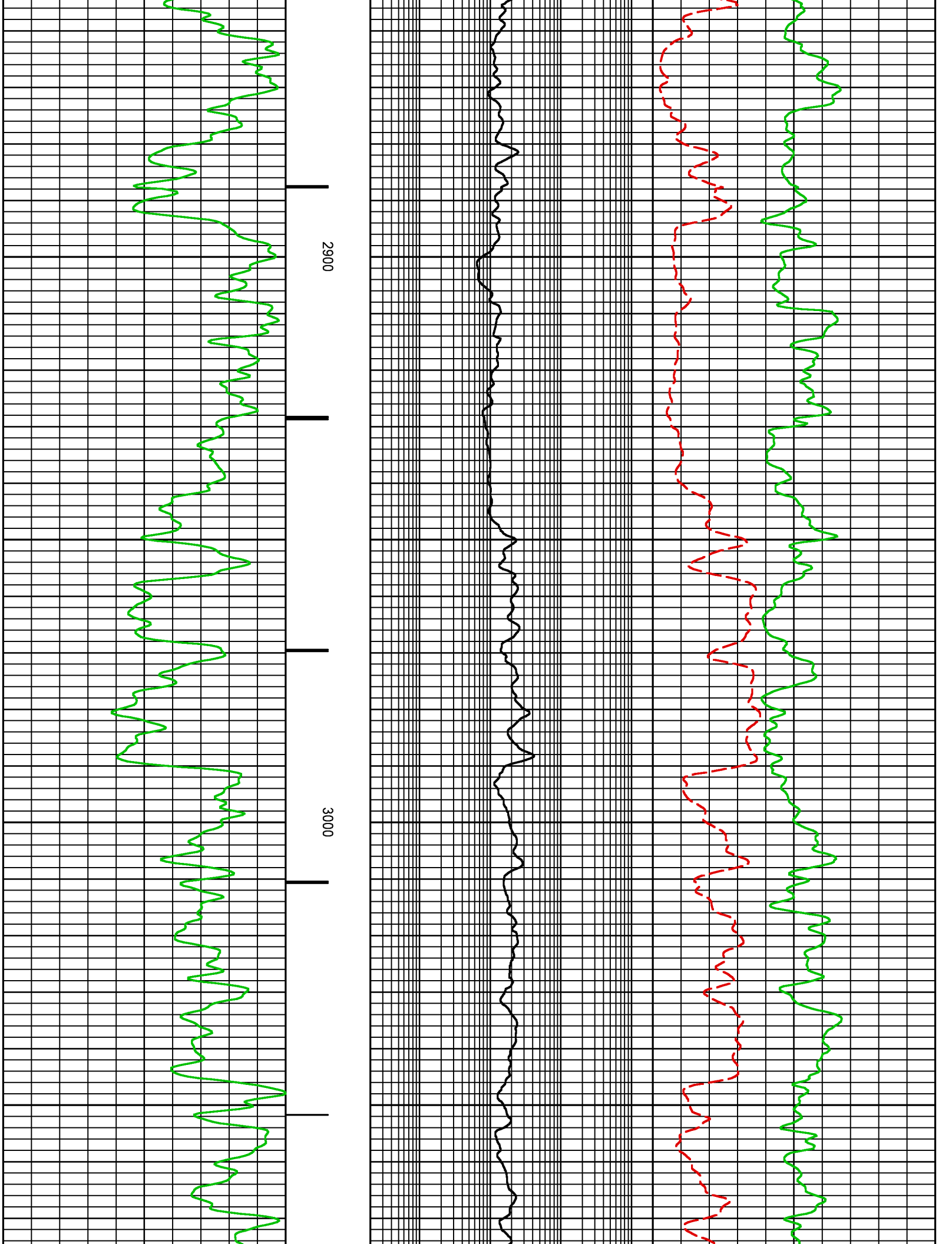
CURVE MEASURE POINT OFFSET

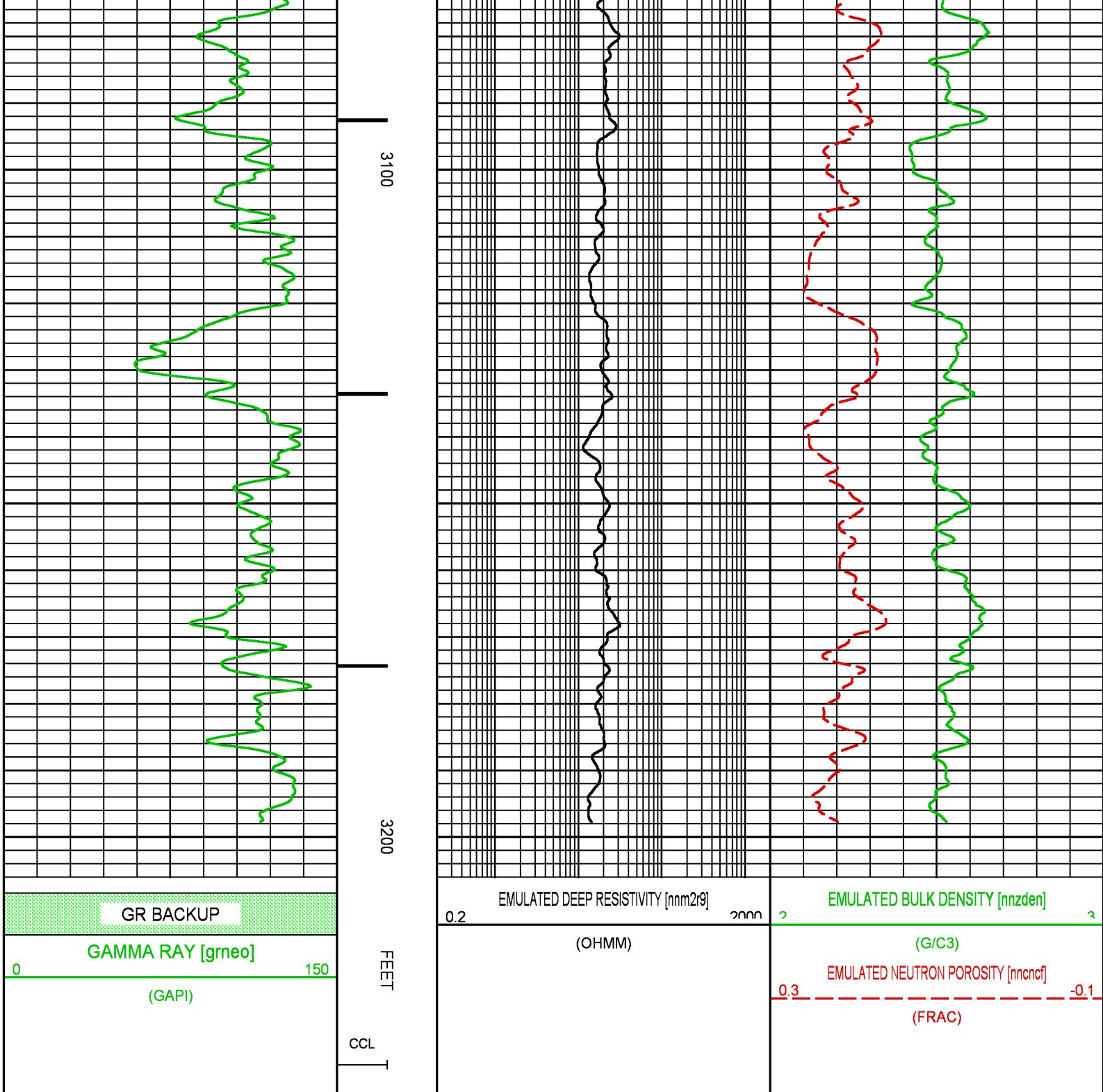
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCf	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

Project : NA
 User : kotoale
 Presentation : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_BCU_0993_21_06E_NEO\
 NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
 Plot Interval : 2566 - 3206 Feet
 Data File 1 : F1 : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_BCU_0993_21_06E_NEO\Merged_Set_Final.xtf
 Created On : Nov 28 11:24:11 2018
 Company : LARAMIE ENERGY LLC
 Well : BCU 0993-21-06E
 Field : BUZZARD CREEK
 File Interval : 2571.5 - 9020.5 Feet
 OCT : NA









NEO RESULTS FOR BCU 0993-21-06E (MAIN)

ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

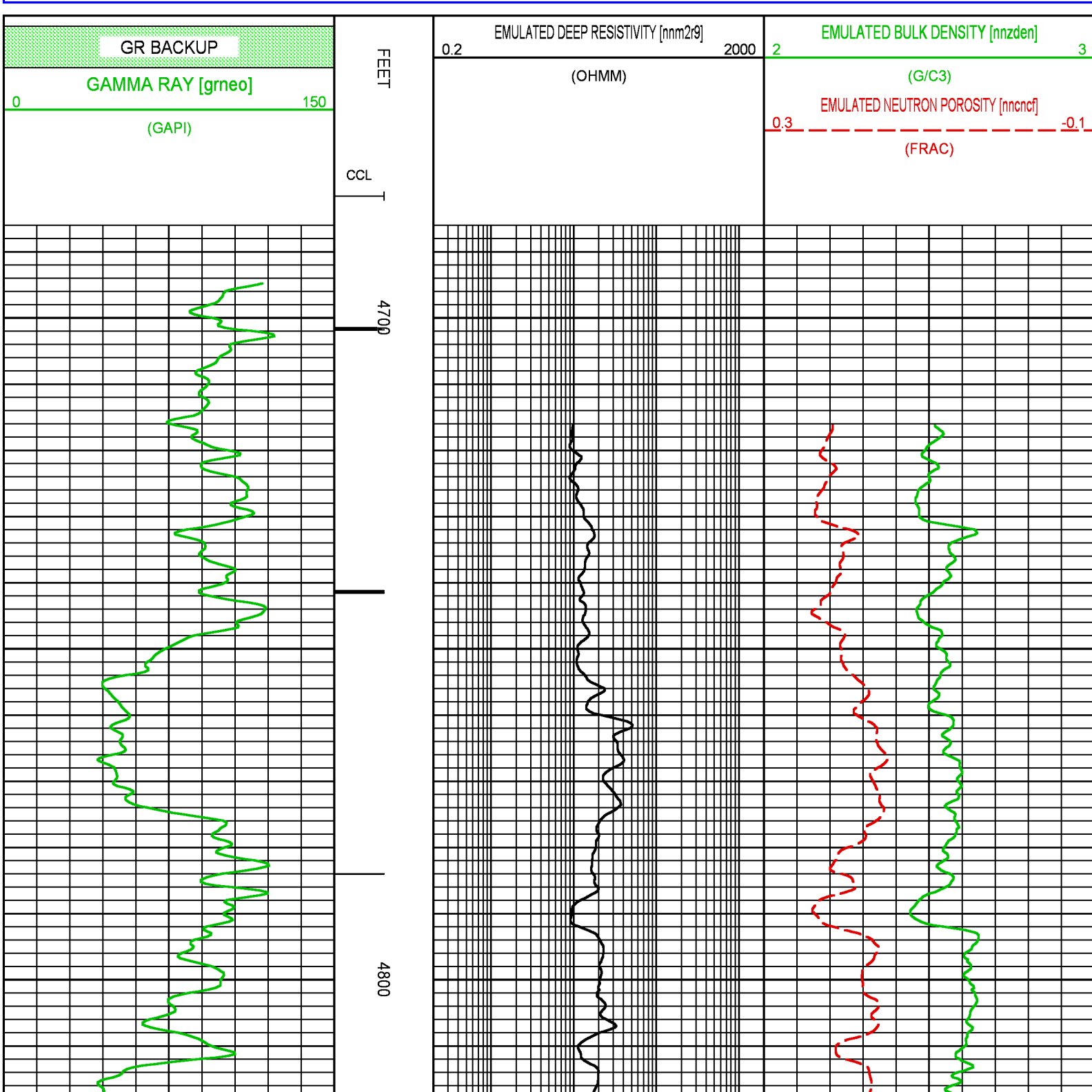
Plotted: Wed Nov 28 11:31:09 2018

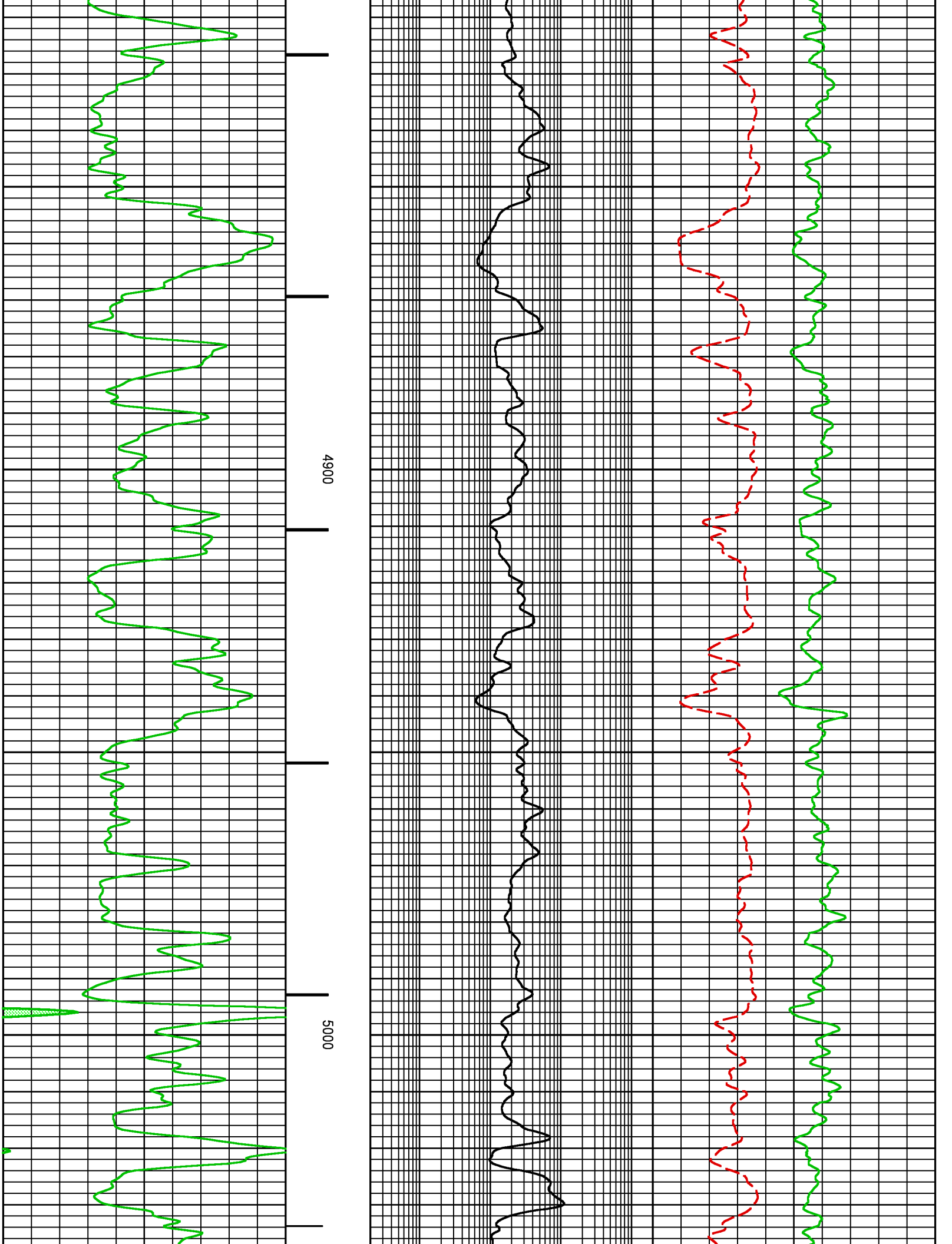
CURVE MEASURE POINT OFFSET

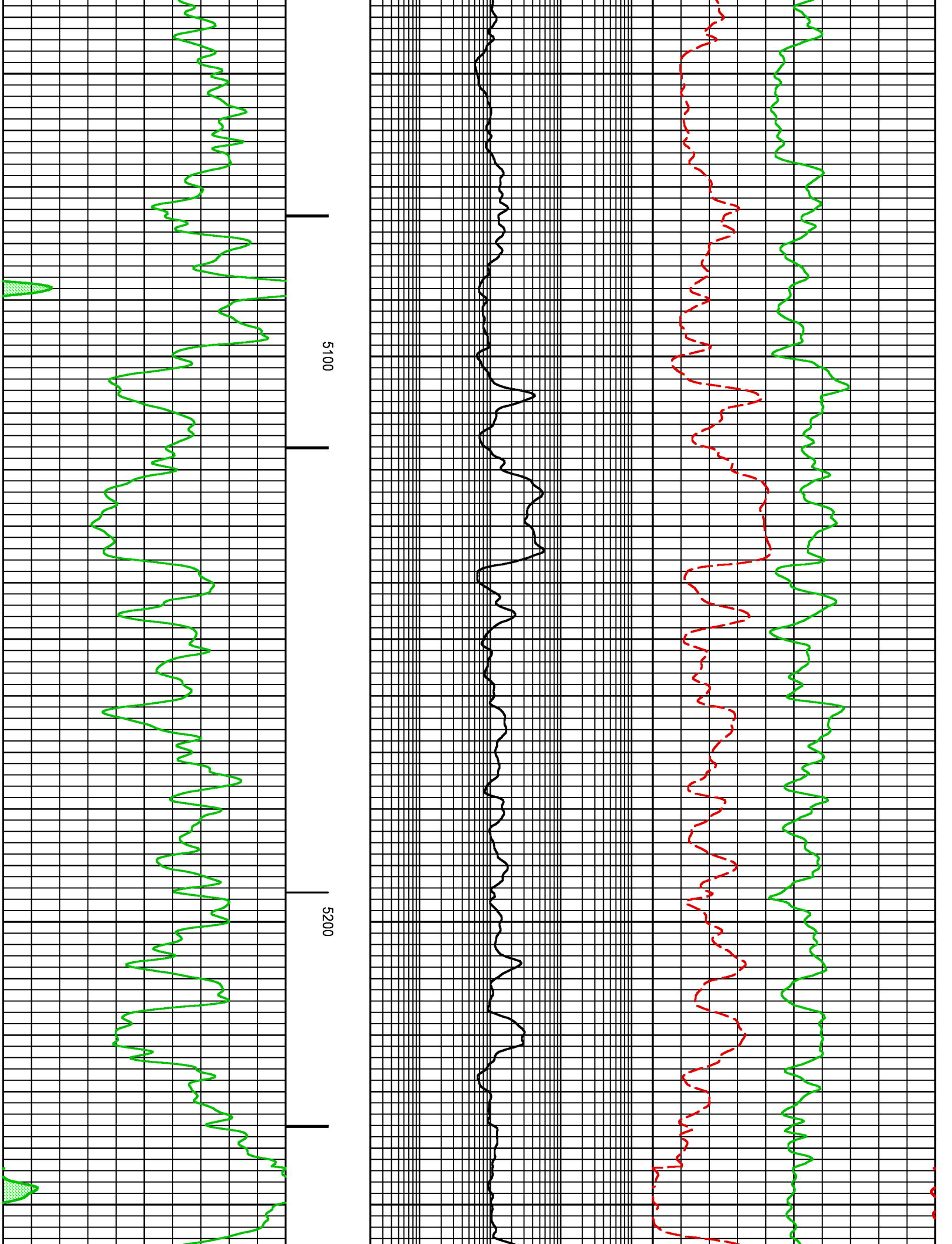
CURVE MEASURE POINT OFFSET

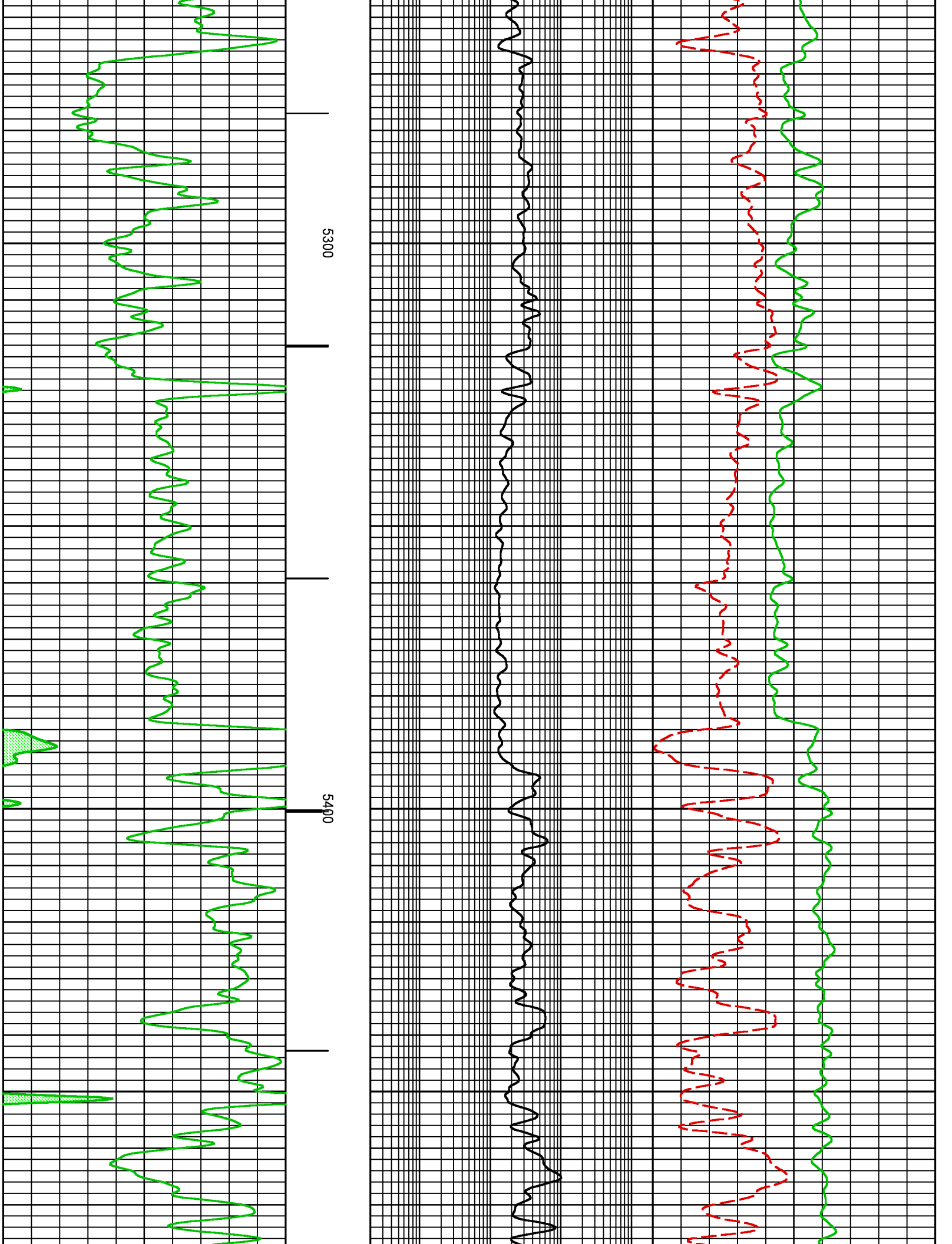
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCF	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

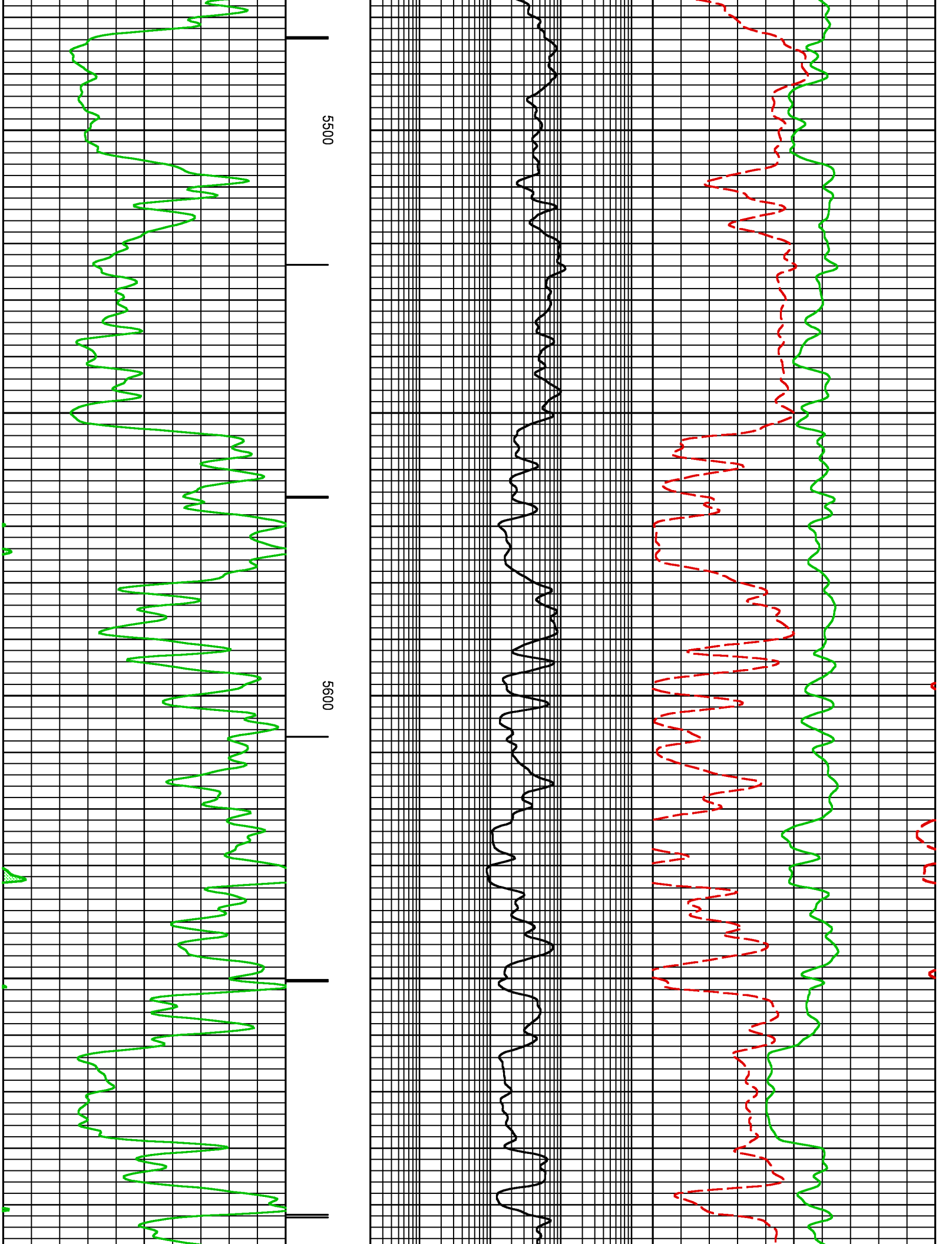
Project	: NA
User	: kotoale
Presentation	: BHI1F65XZ1:D:\Ape_Projects\LARAMIE_BCU_0993_21_06E_NEO\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100' Scale]
Plot Interval	: 4687 - 9030 Feet
Data File 1	: F1 : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_BCU_0993_21_06E_NEO\Merged_Set_Final.xtf
Created On	: Nov 28 11:24:11 2018
Company	: LARAMIE ENERGY LLC
Well	: BCU 0993-21-06E
Field	: BUZZARD CREEK
File Interval	: 2571.5 - 9020.5 Feet
OCT	: NA

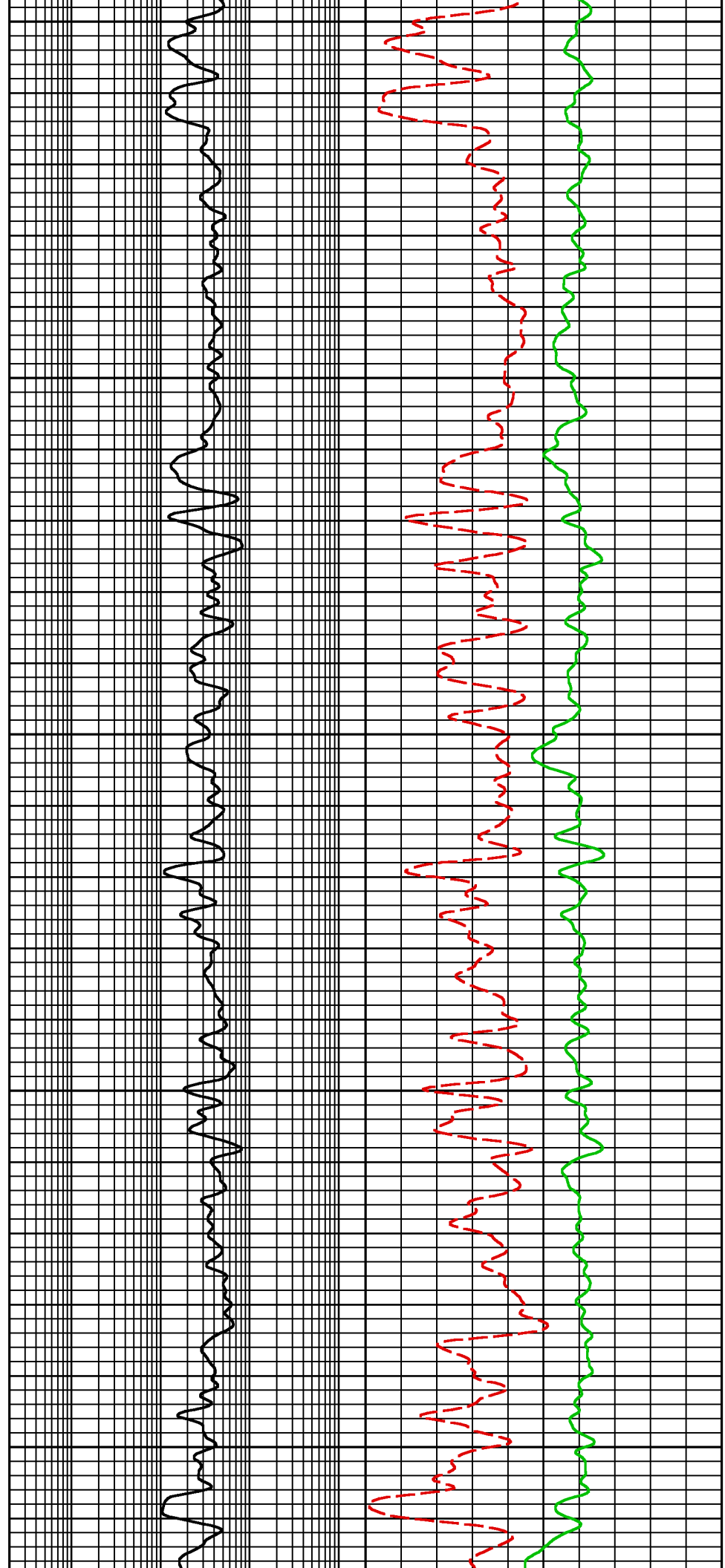
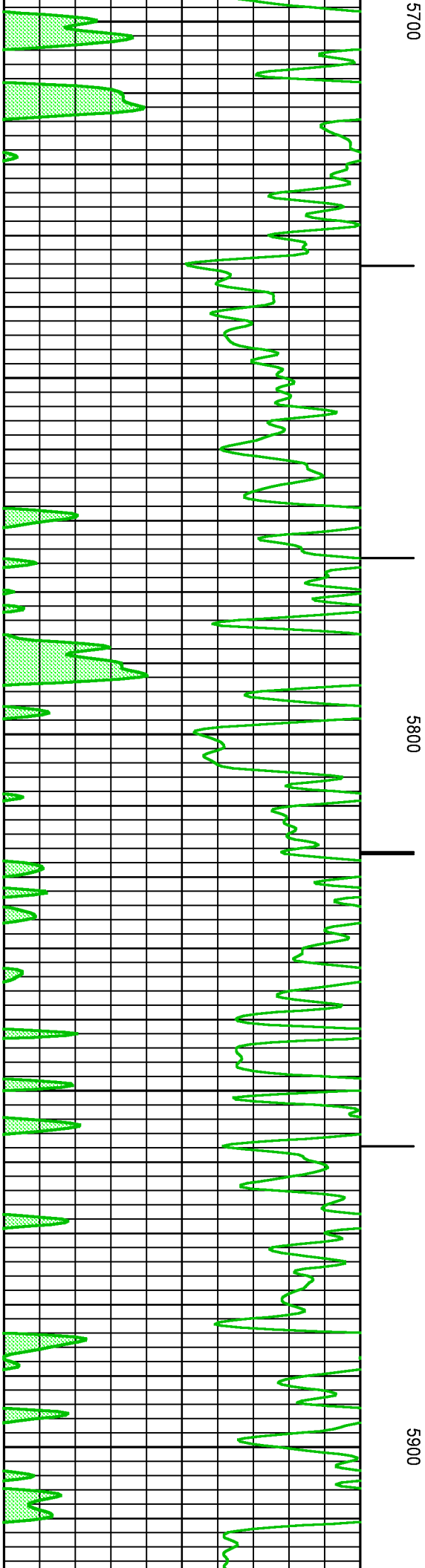


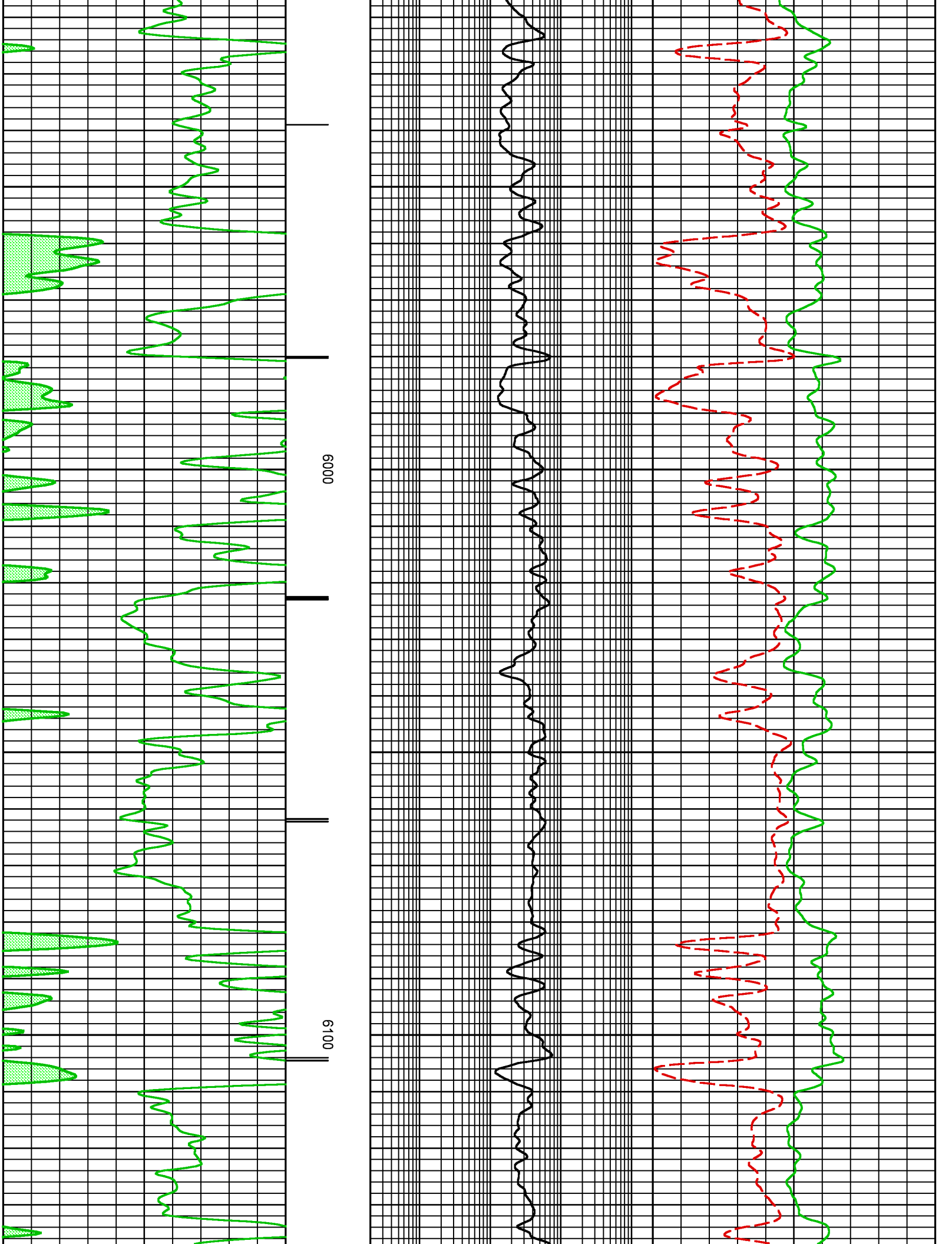


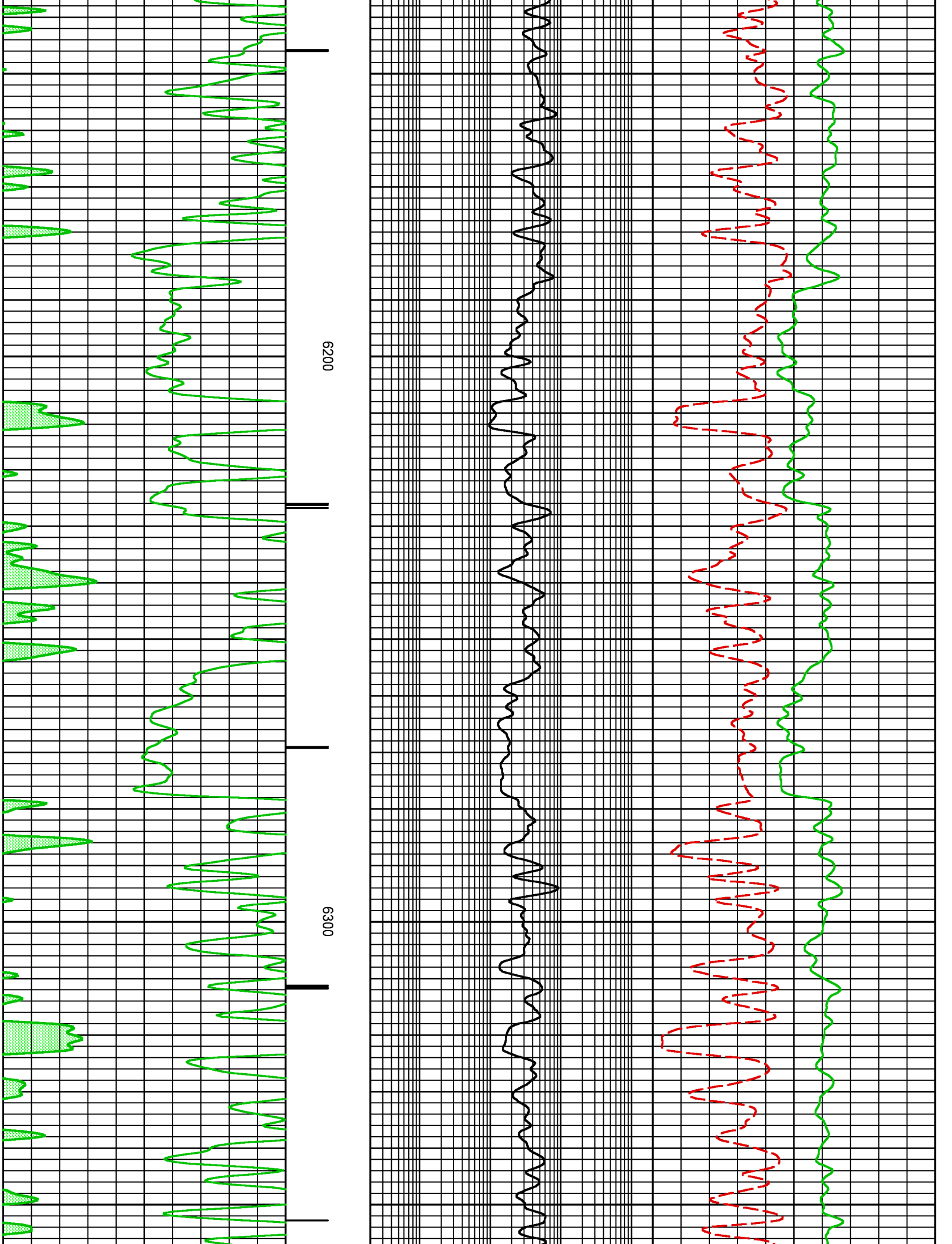


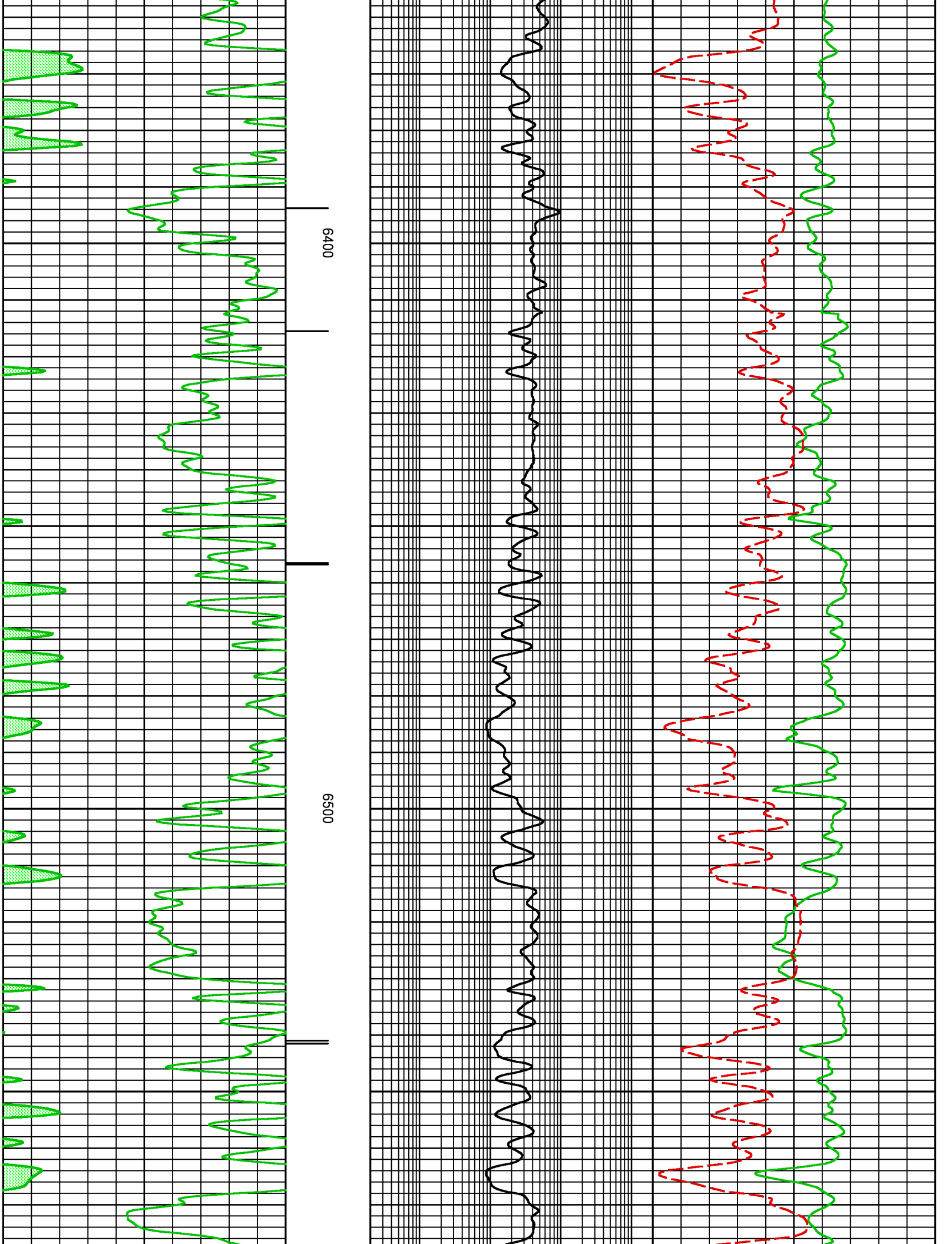


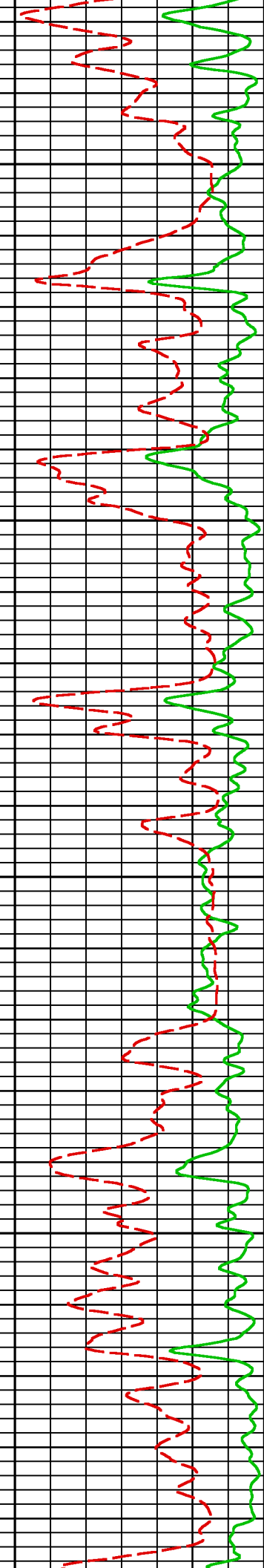
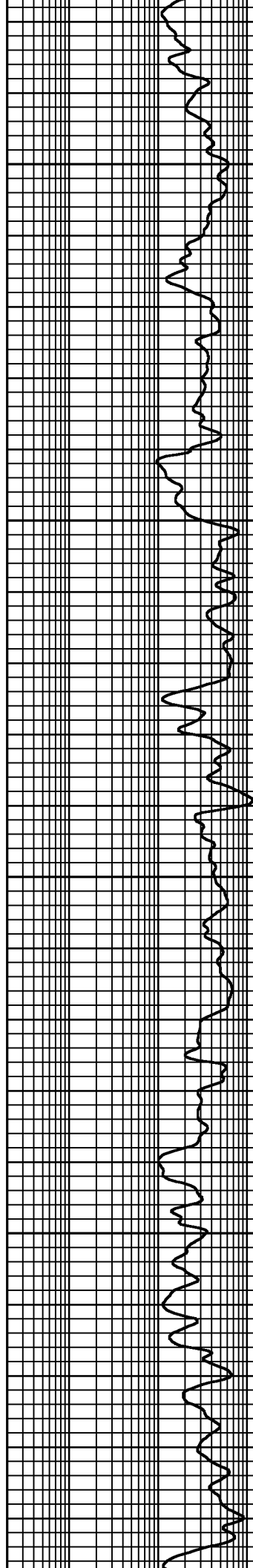
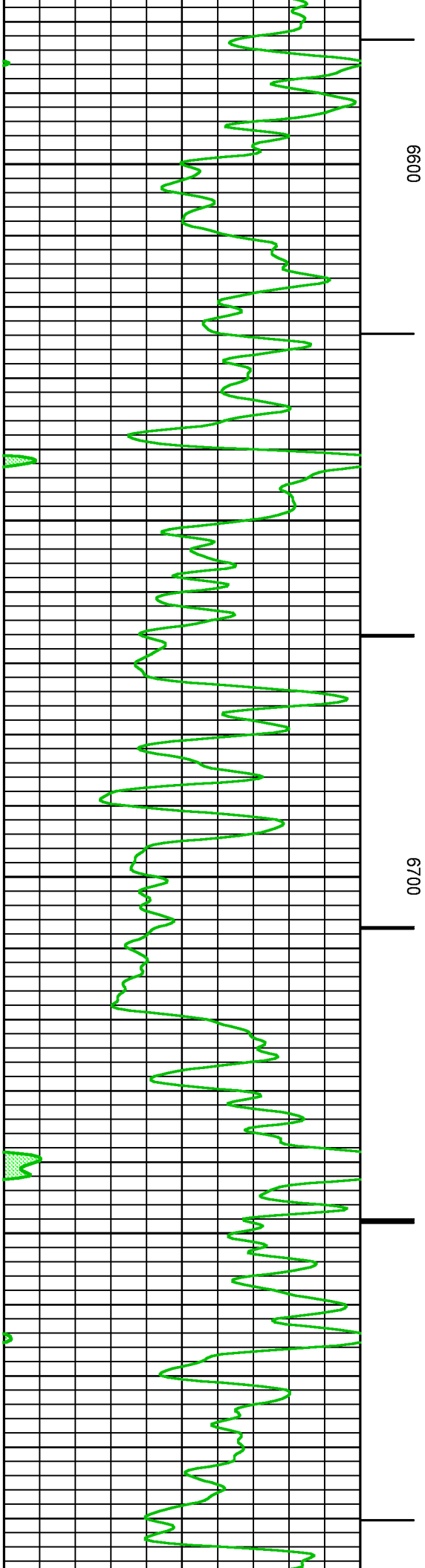


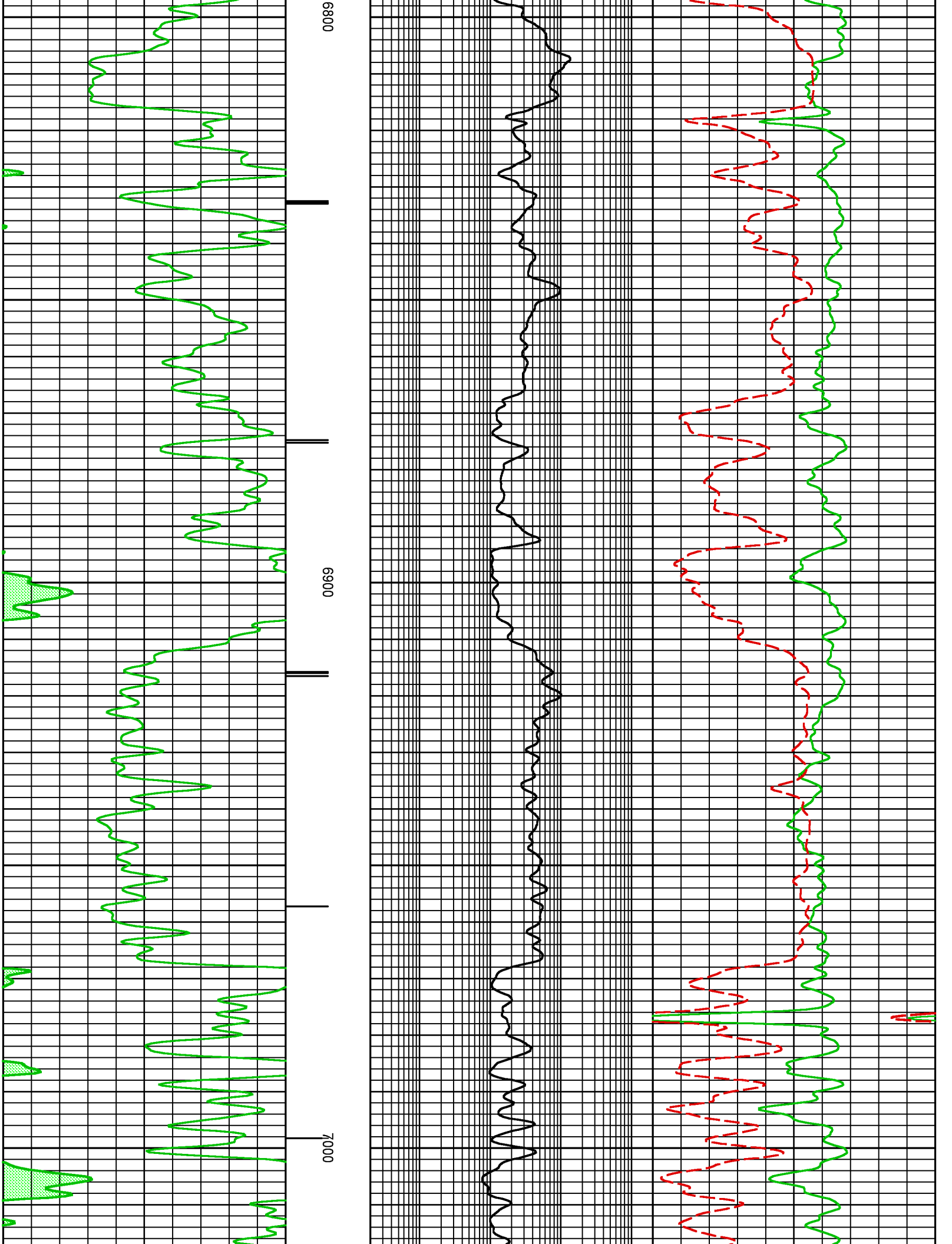


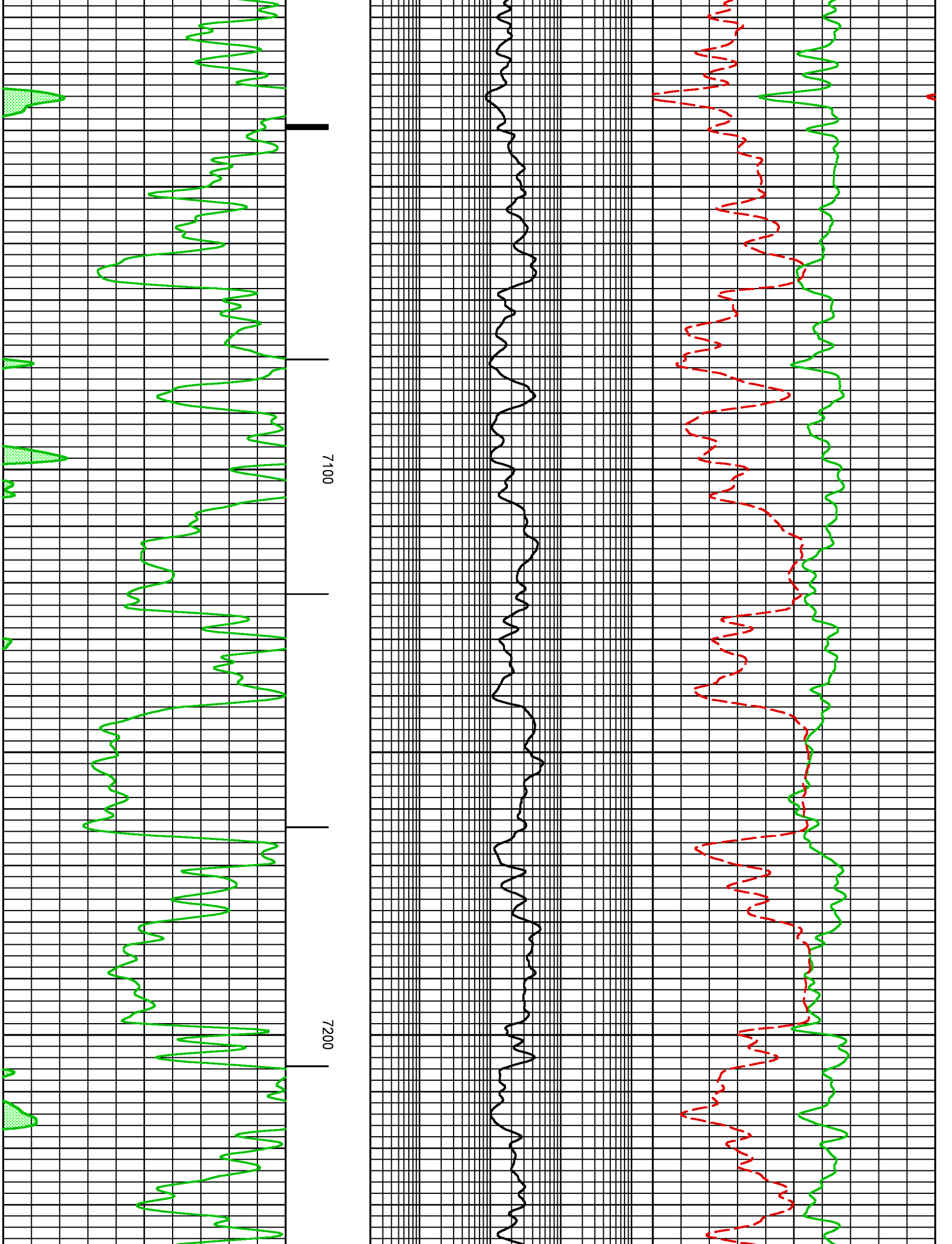


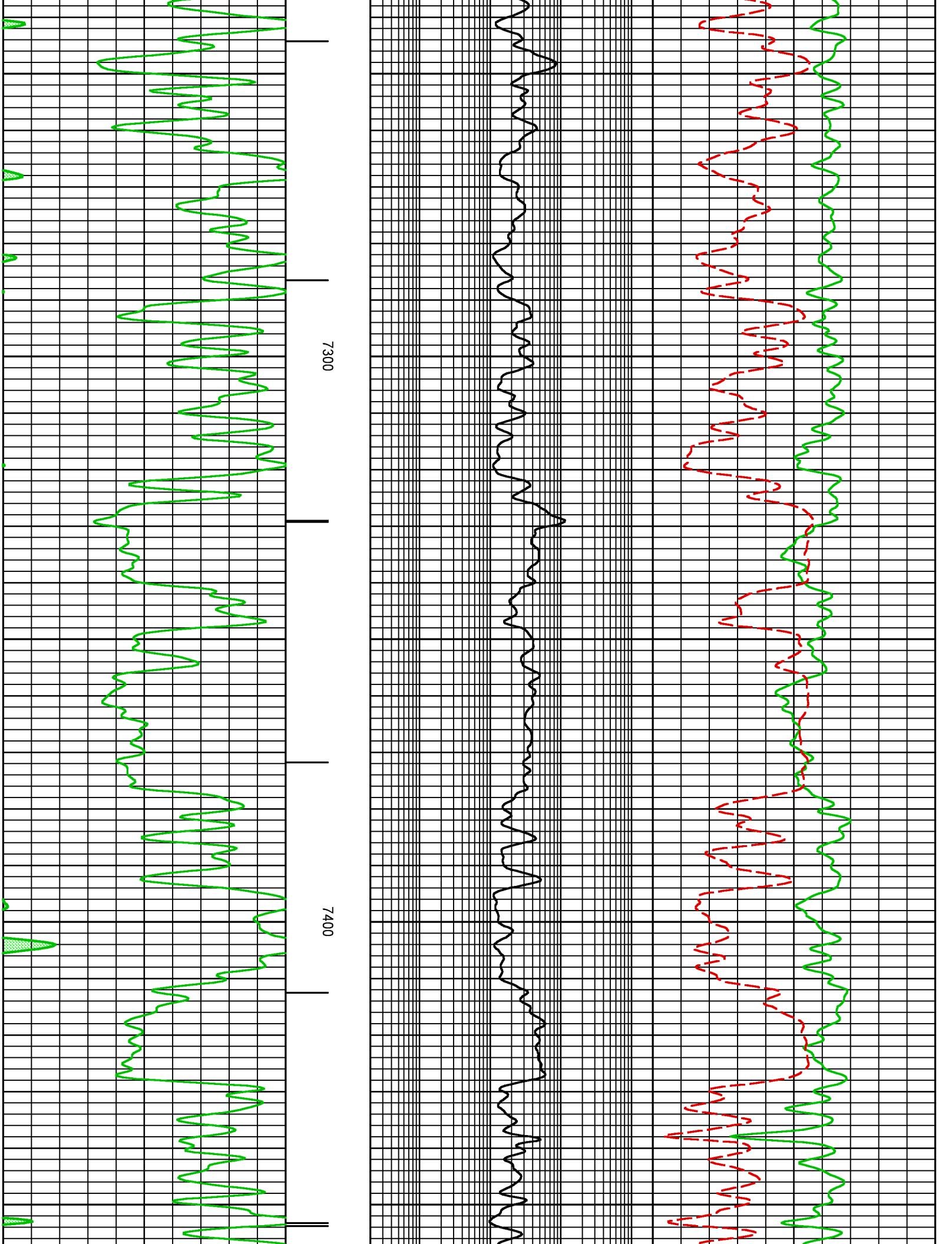


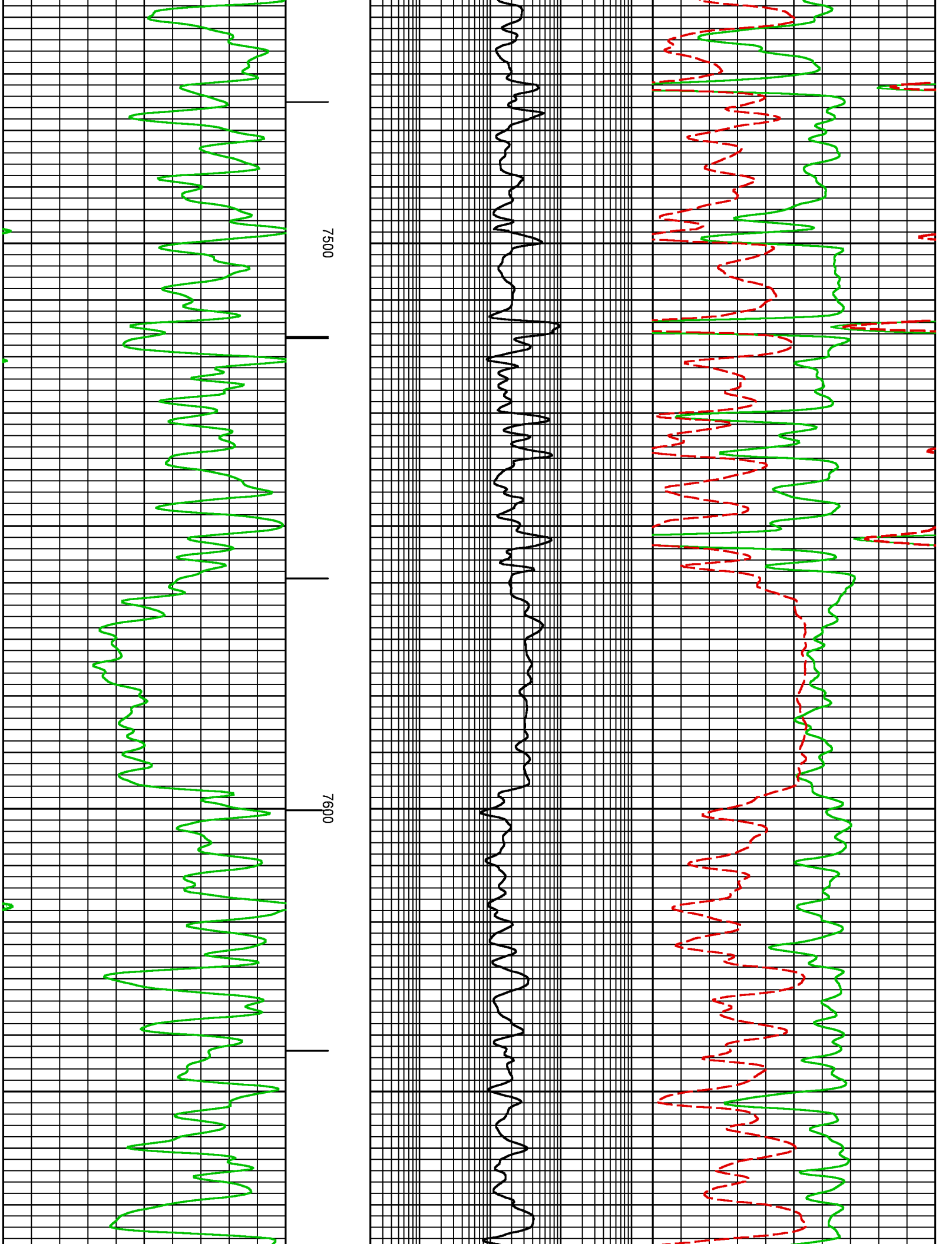


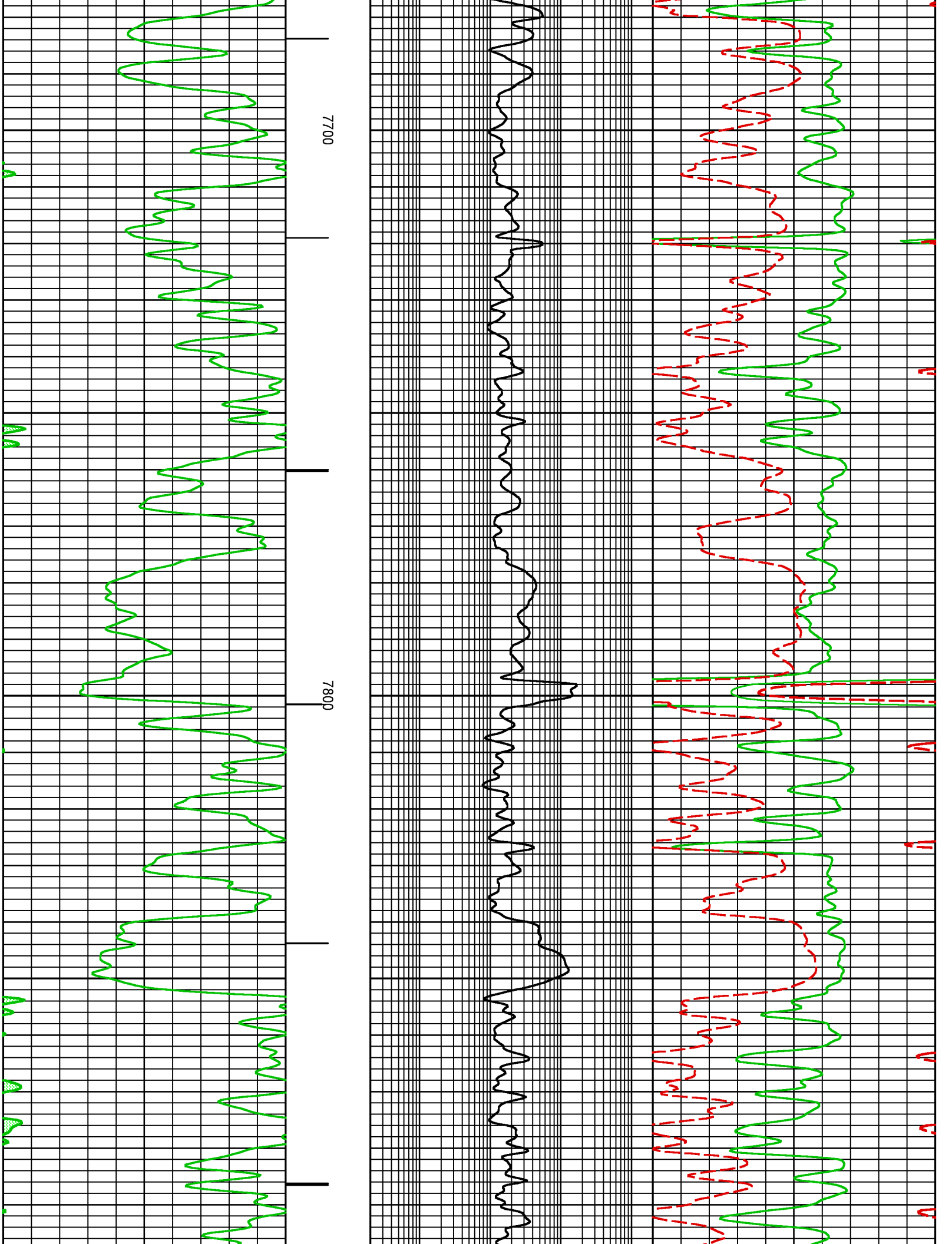


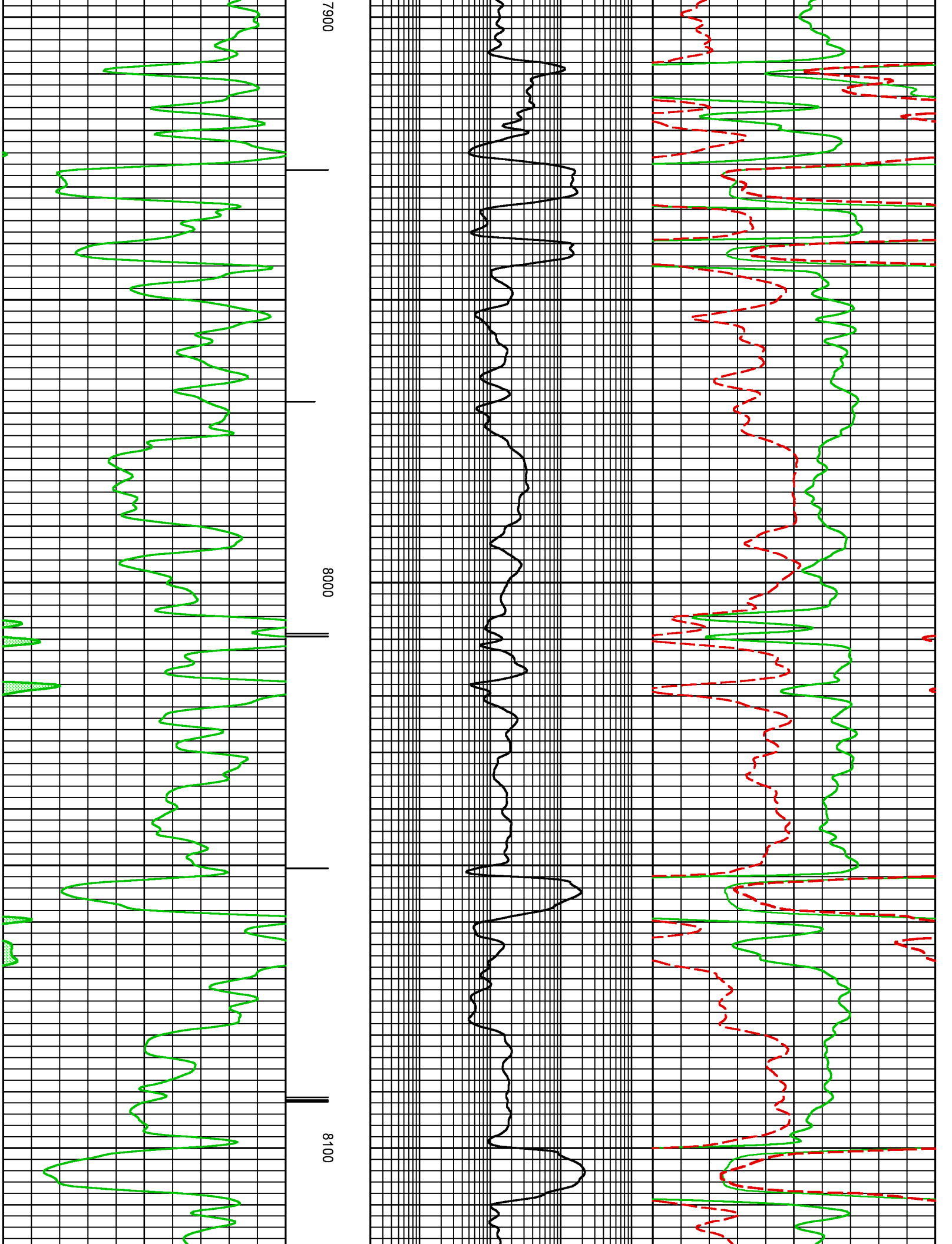


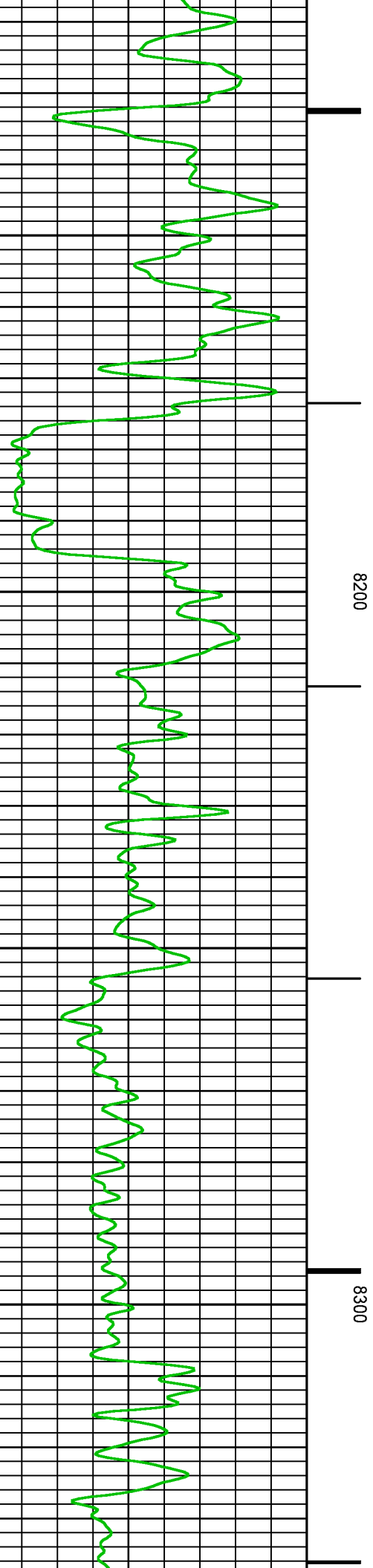
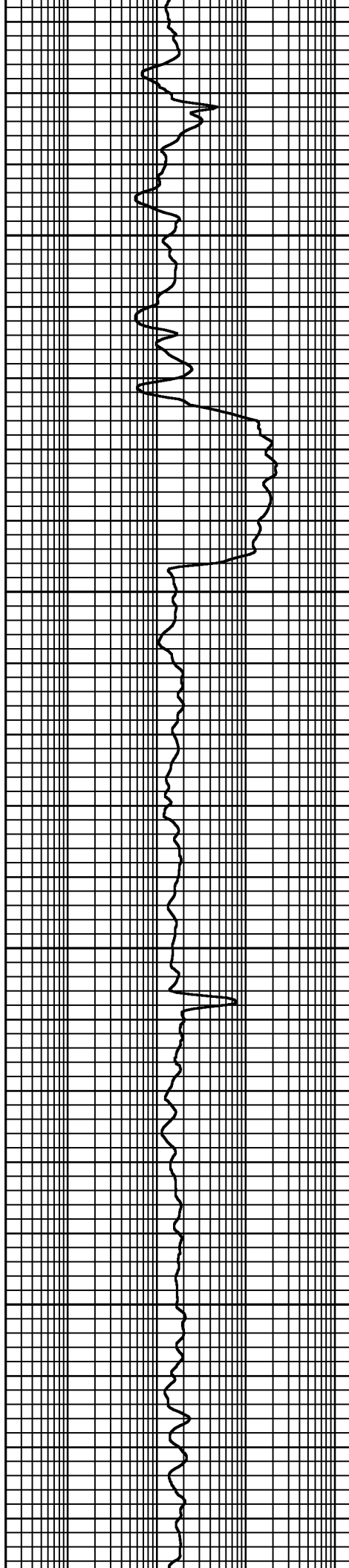
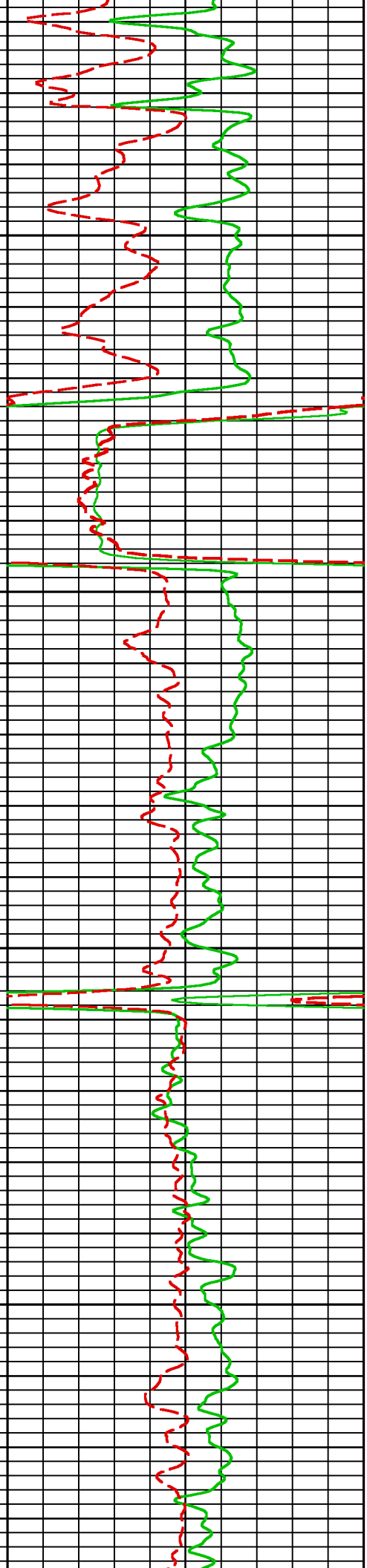


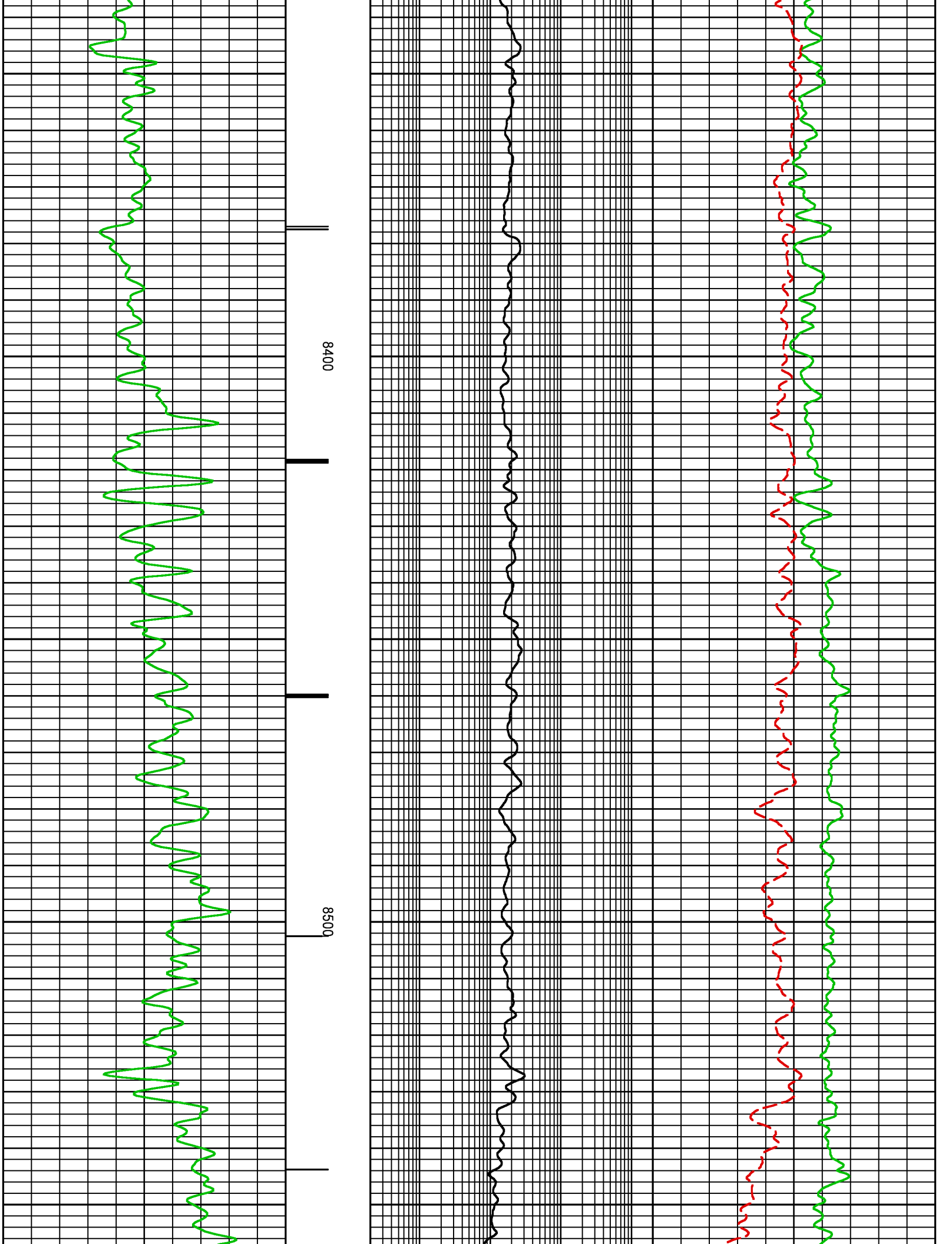


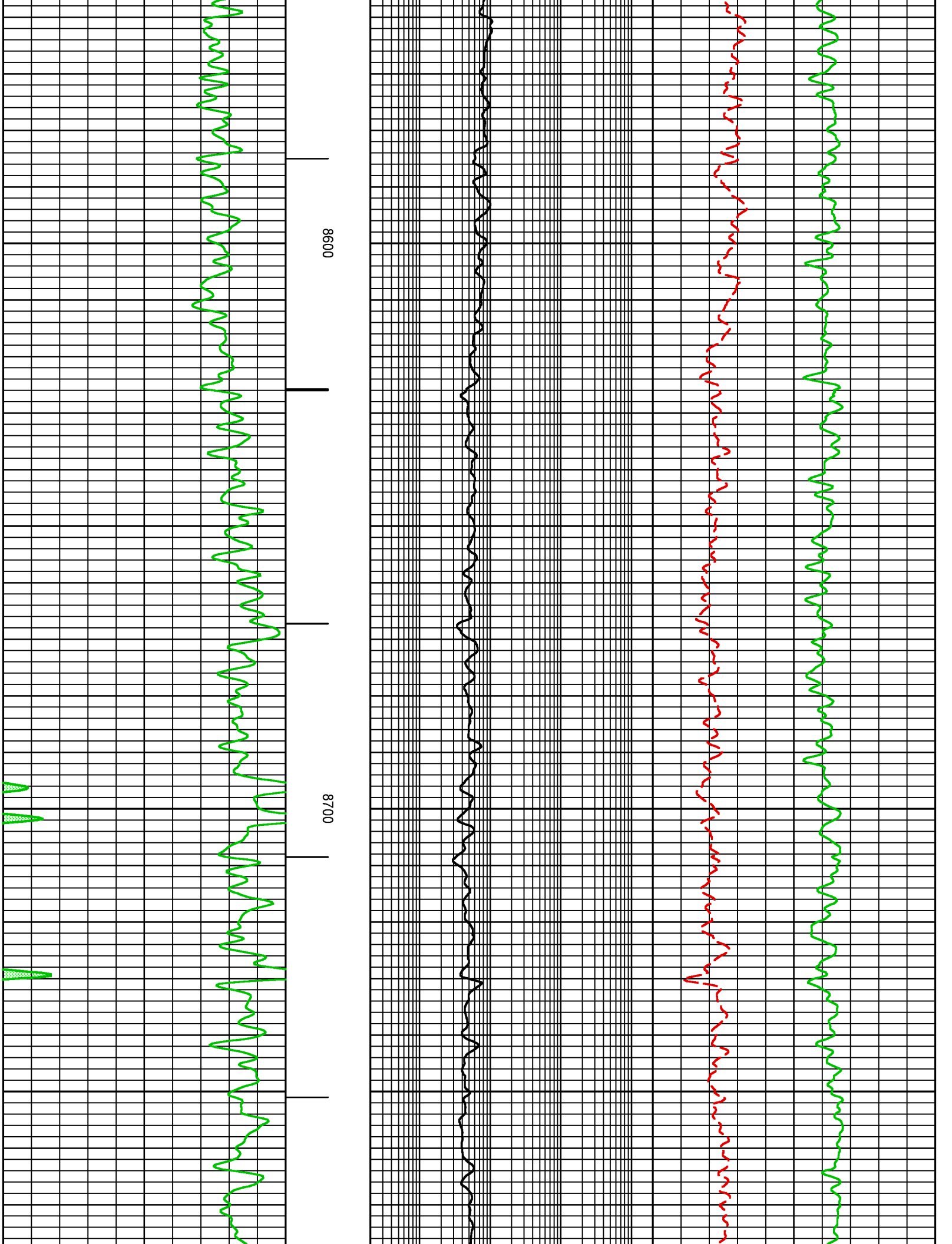


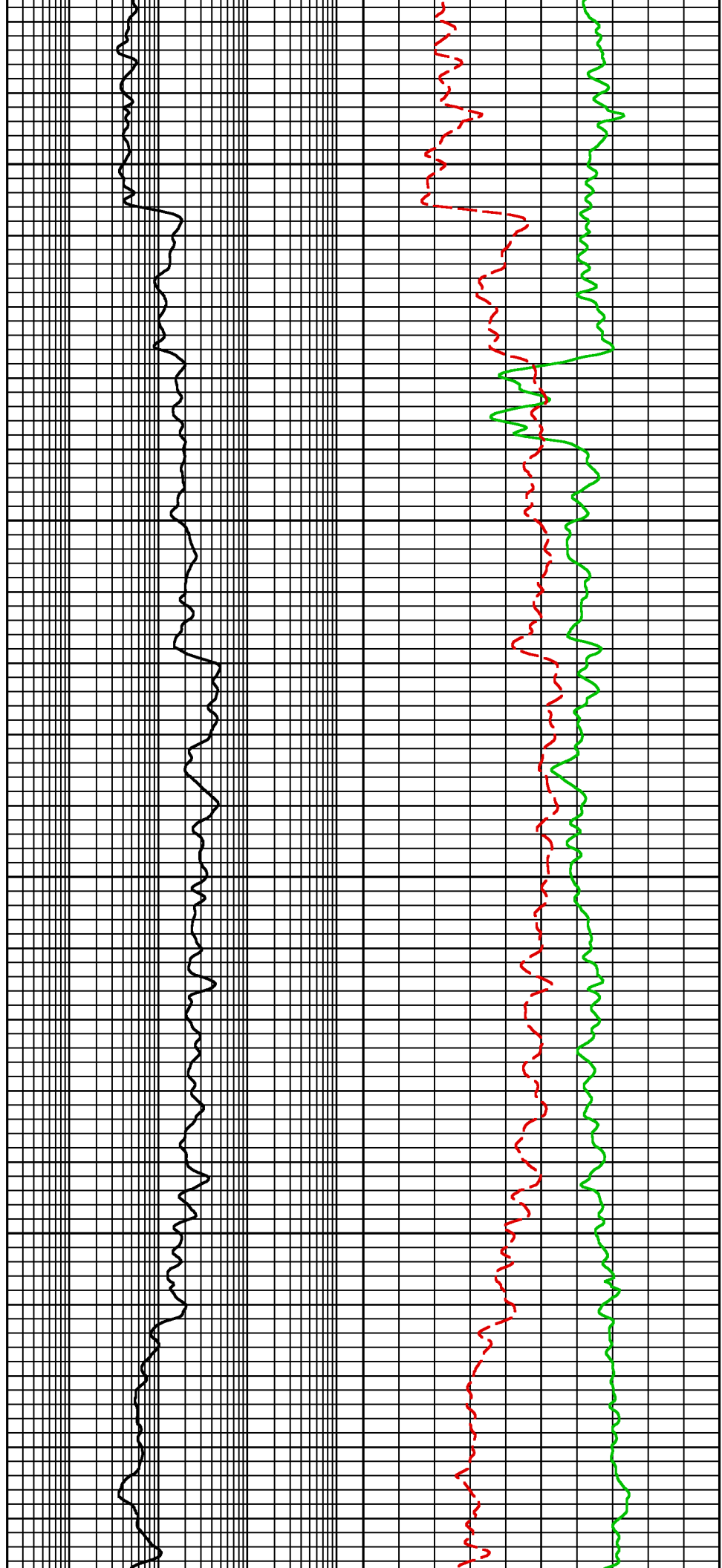
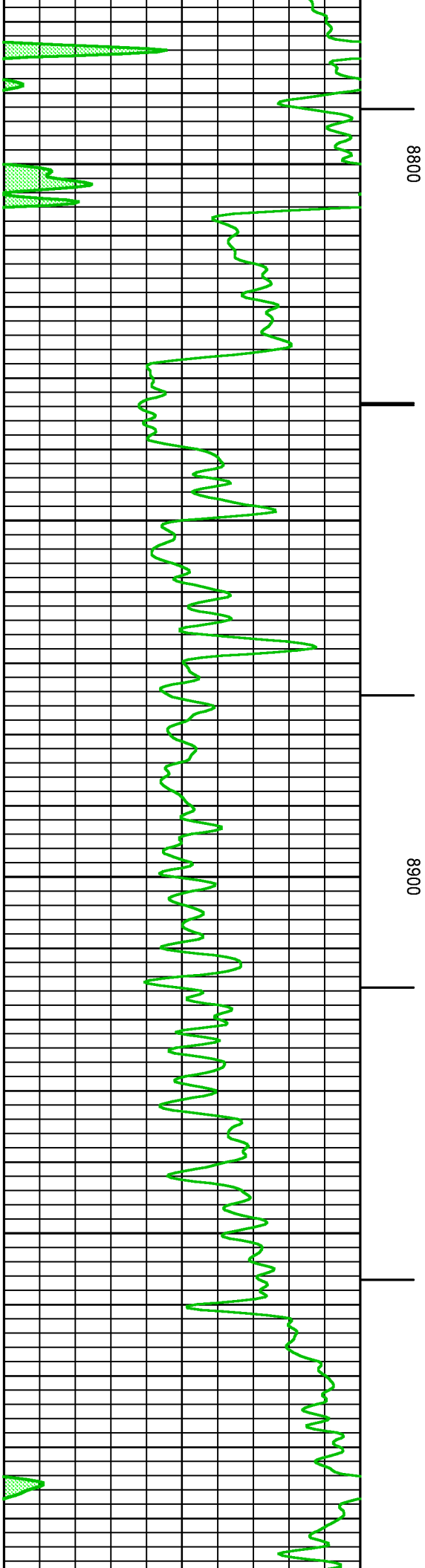


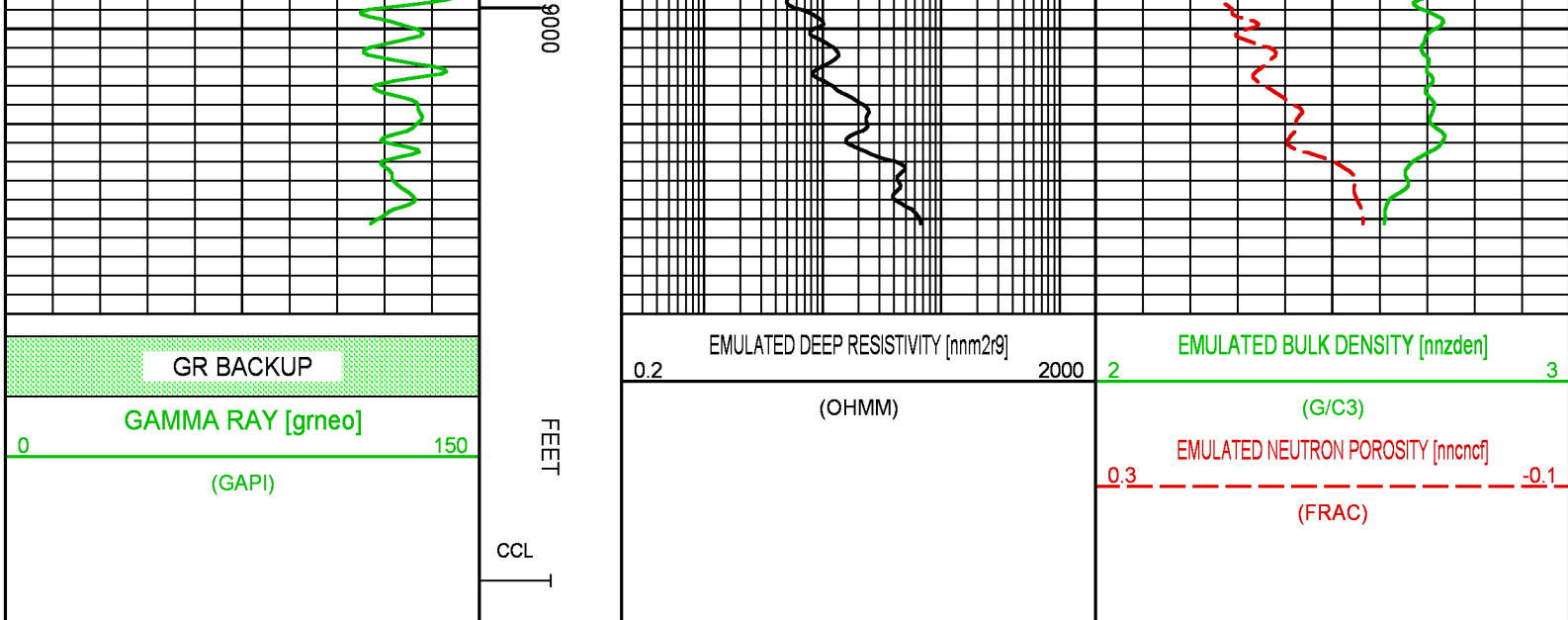



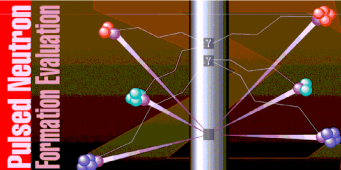










 	COMPANY <u>LARAMIE ENERGY II LLC</u> WELL <u>BCU 0993-21-06E</u> FIELD <u>BUZZARD CREEK</u> COUNTY <u>MESA</u> STATE <u>COLORADO</u>		FILE NO: _____ API NO: <u>05077105190000</u>
	LOCATION: SEE REMARKS SECTION SEC <u>21</u> TWP <u>9S</u> RGE <u>93W</u>		ELEVATIONS: KB <u>7287 FT</u> DF _____ GL <u>7257 FT</u>
	DATE <u>27-NOV-2018</u>		