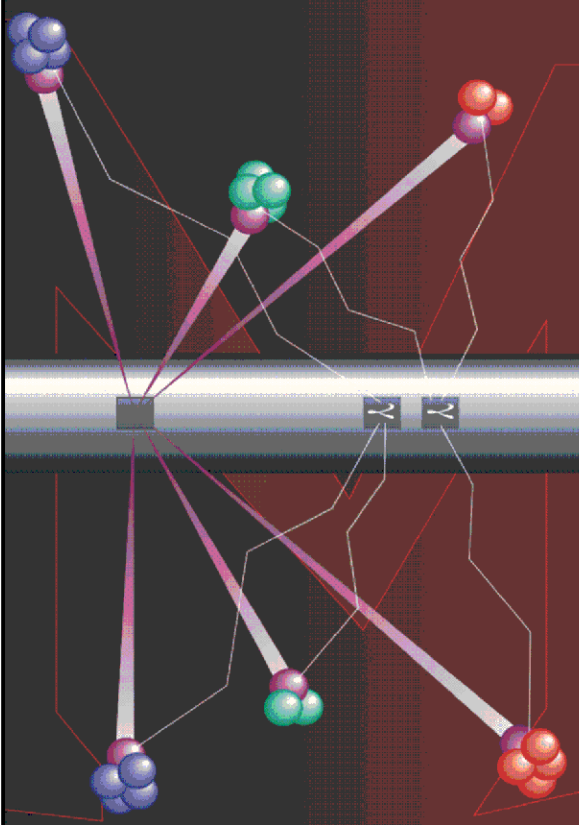


Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY II LLC

WELL NICHOLS 0994-13-20E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION: SEE REMARKS SECTION

ELEVATIONS:

KB 7161 FT DF GL 7137 FT

DATE 20-Mar-2018 ECC US133014J

SEC 24 TWP 9S RGE 94W

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>21-Mar-2018</u>		
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>			ENGINEER: <u>R. ZUNIGA/US133014J</u>			DATE: <u>20-Mar-2018</u>		
FROM	TO								
<u>2561 FT</u>	<u>7961 FT</u>								

REMARKS

LOCATION:

SHL 1777 FNL 2775 FEL

BHL 340 FNL 1484 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 0994-13-20E (G-SAND)

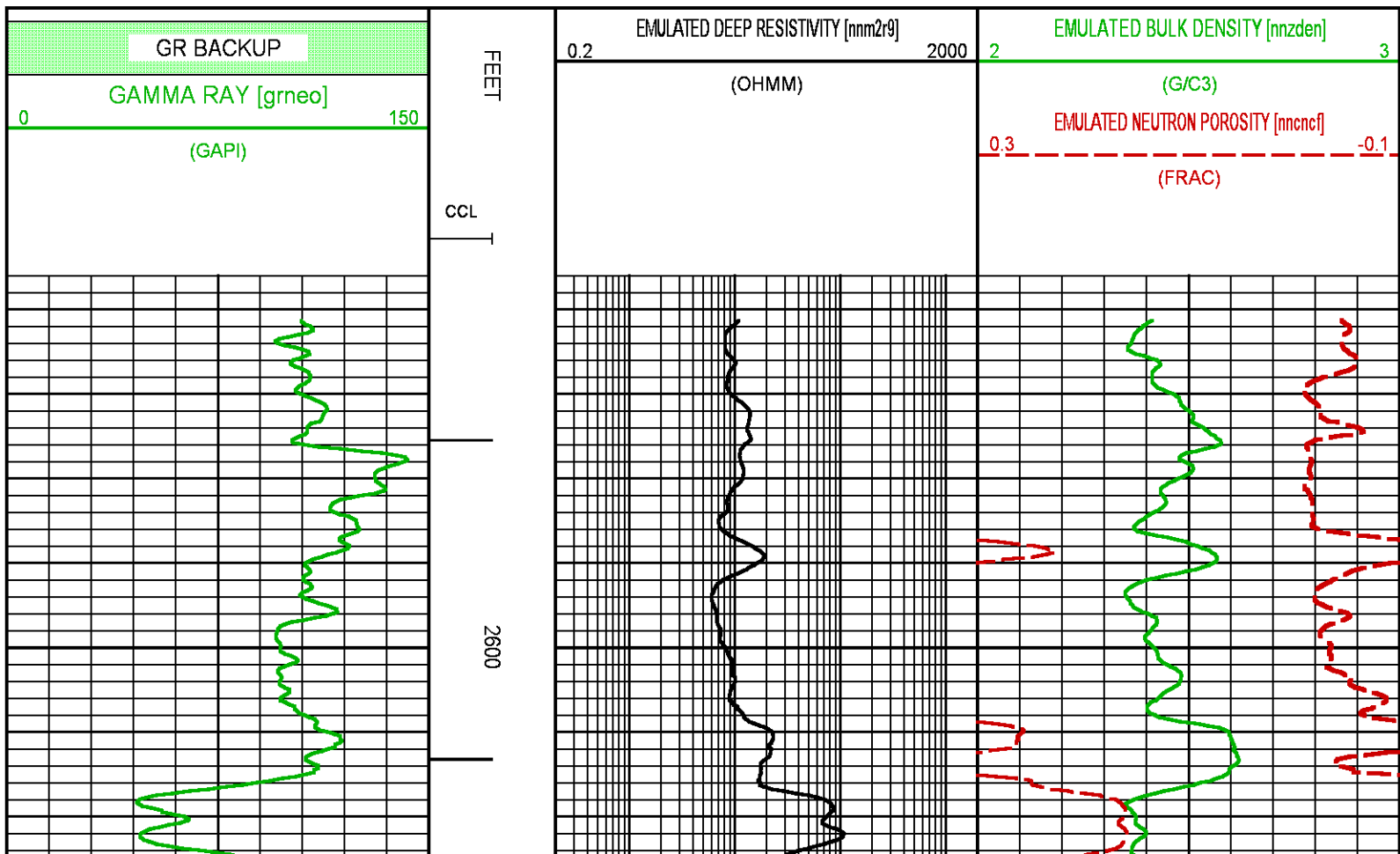
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 5.0.7343.1 Sun 02/07/2016 16:48:51.73

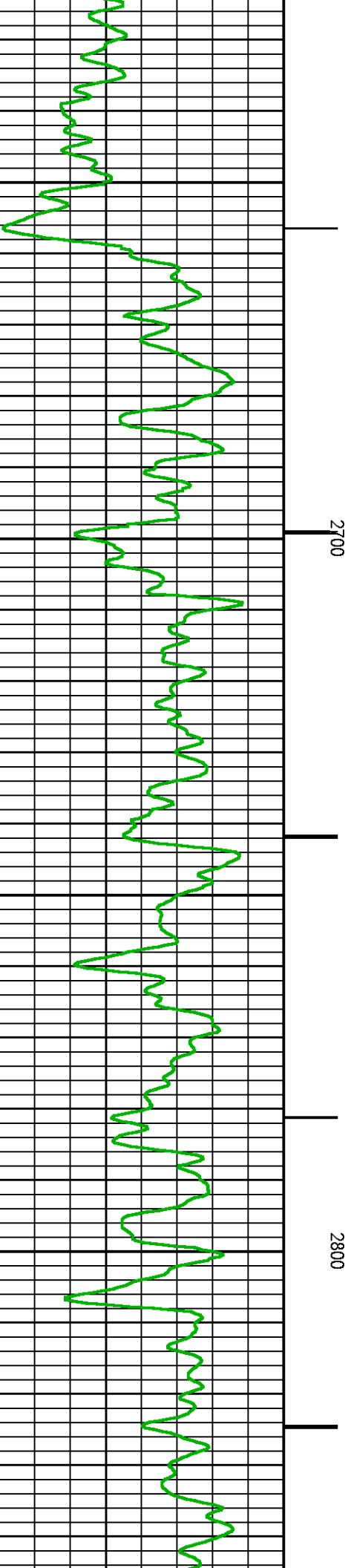
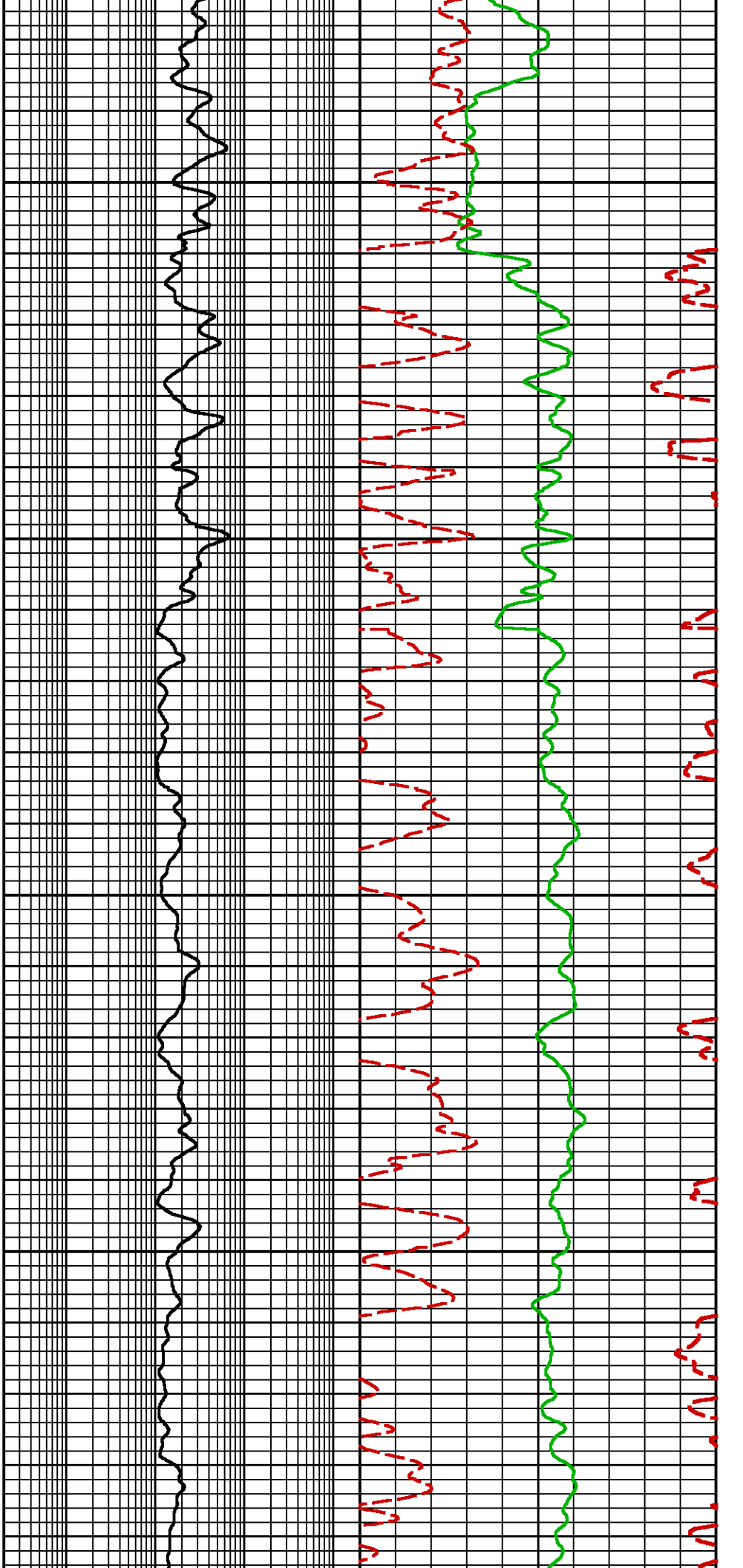
Plotted: Wed Mar 21 15:37:08 2018

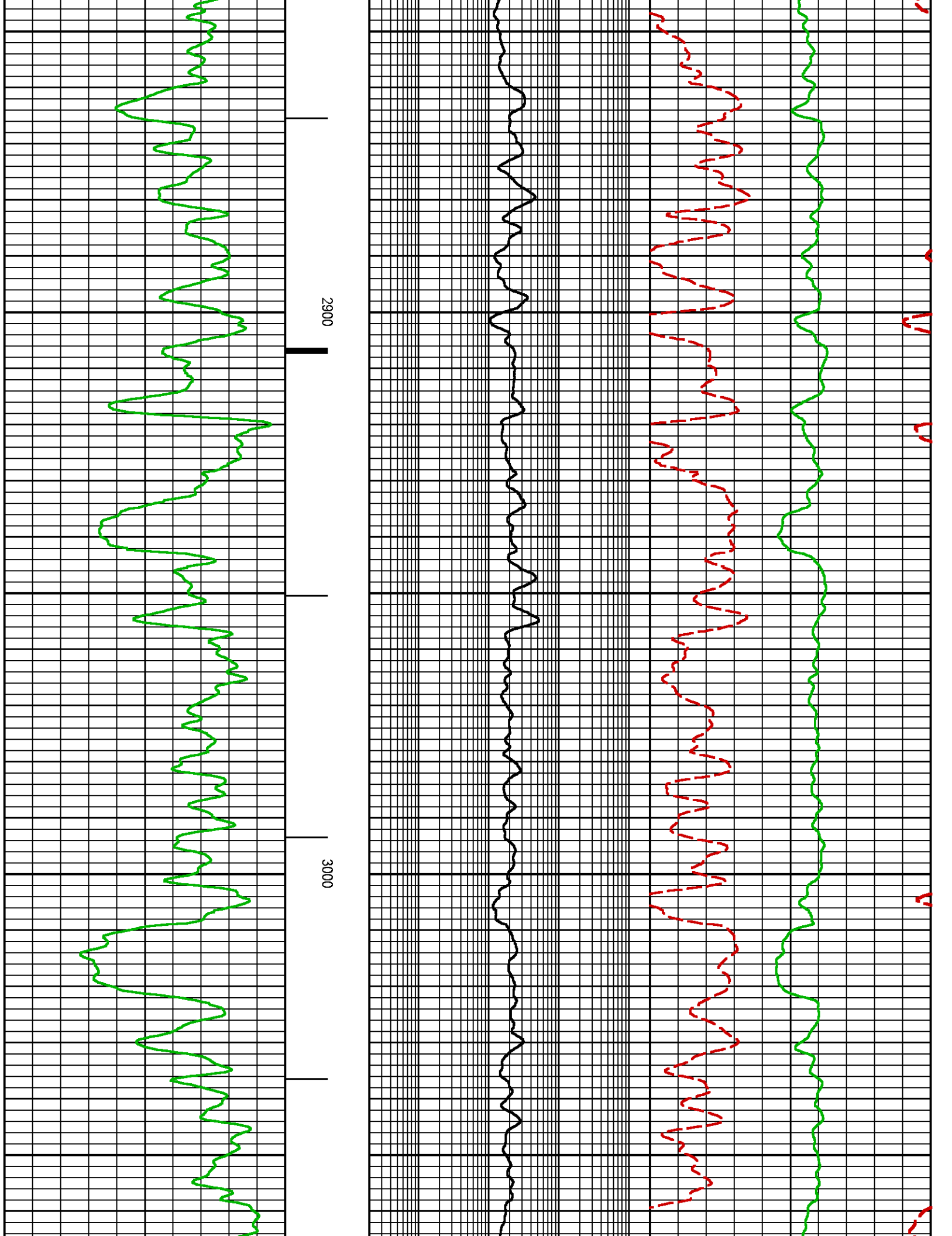
CURVE MEASURE POINT OFFSET

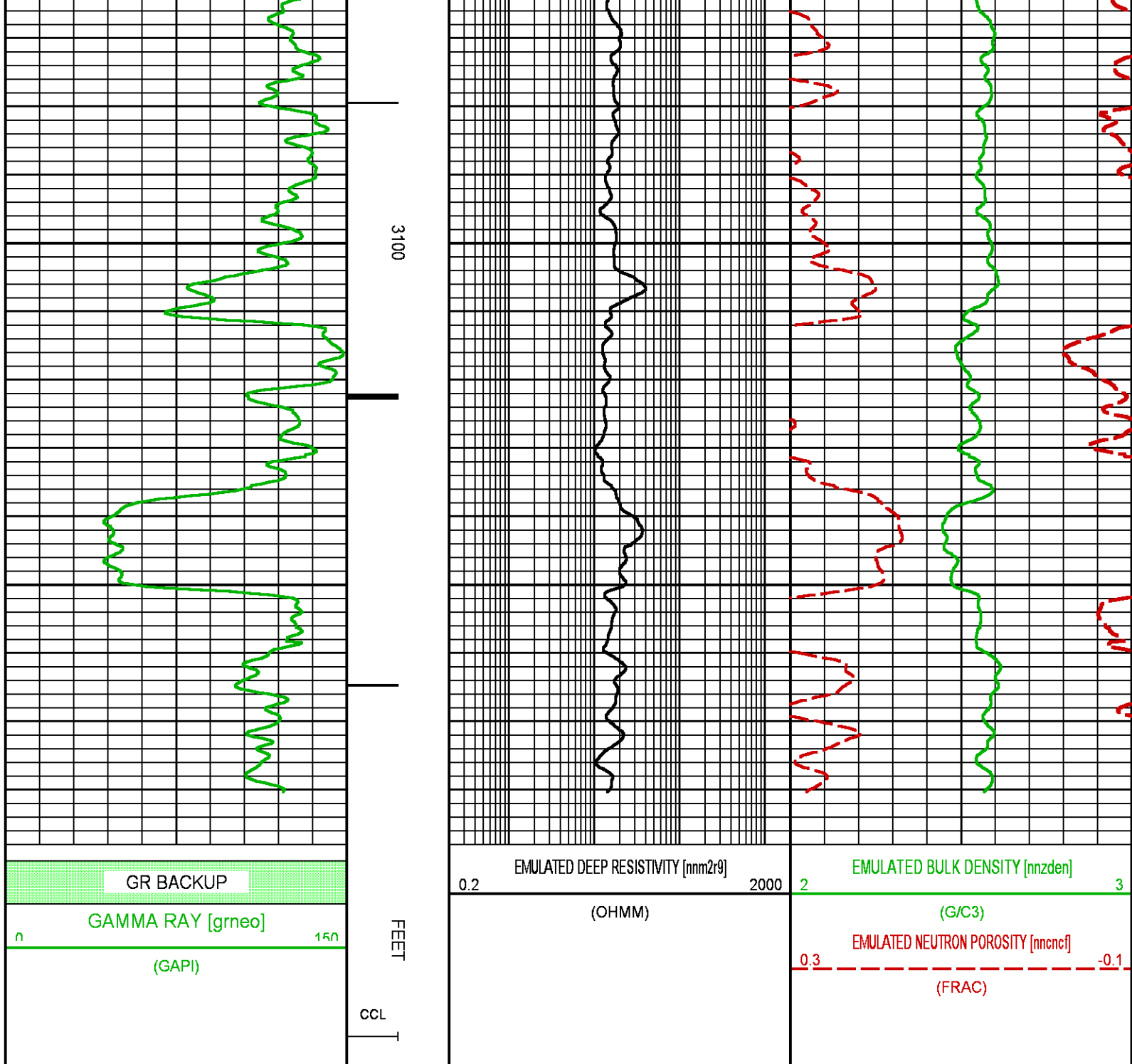
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCf	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

Project : NA
User : kotoale
Presentation : BHI1F65XZ1:d:\Ape_Projects\Laramie_NICHOLS_0994_13_20E_NEO\NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 2557 - 3187 Feet
Data File 1 : F1 : BHI1F65XZ1:D:\Ape_Projects\Laramie_NICHOLS_0994_13_20E_NEO\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY II LLC
Well : NICHOLS 0994-13-20E
Field : VEGA
File Interval : 2561.25 - 7961.25 Feet
OCT : NA









NEO RESULTS FOR NICHOLS 0994-13-20E (MAIN)

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

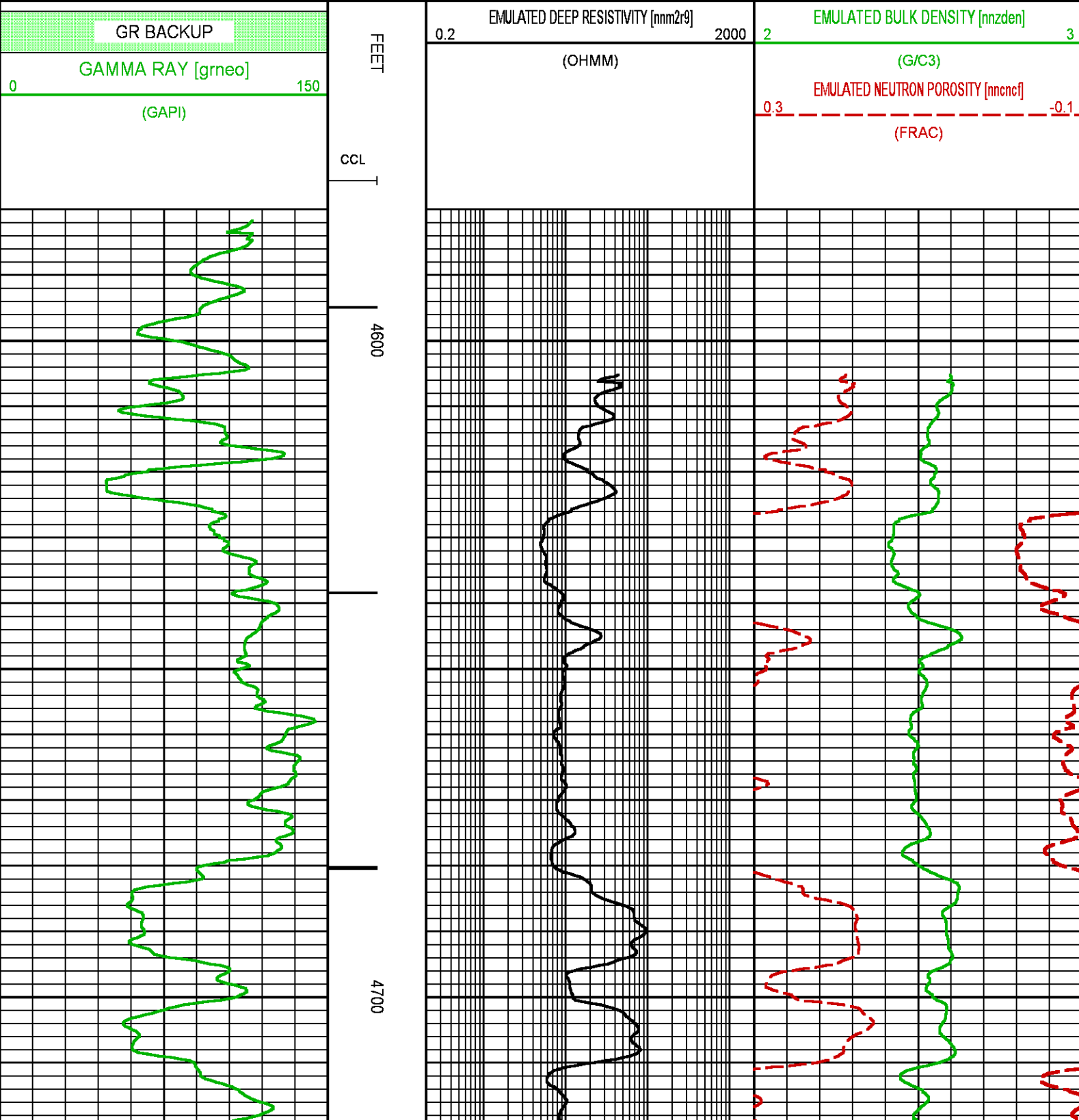
Plotted: Wed Mar 21 15:37:28 2018

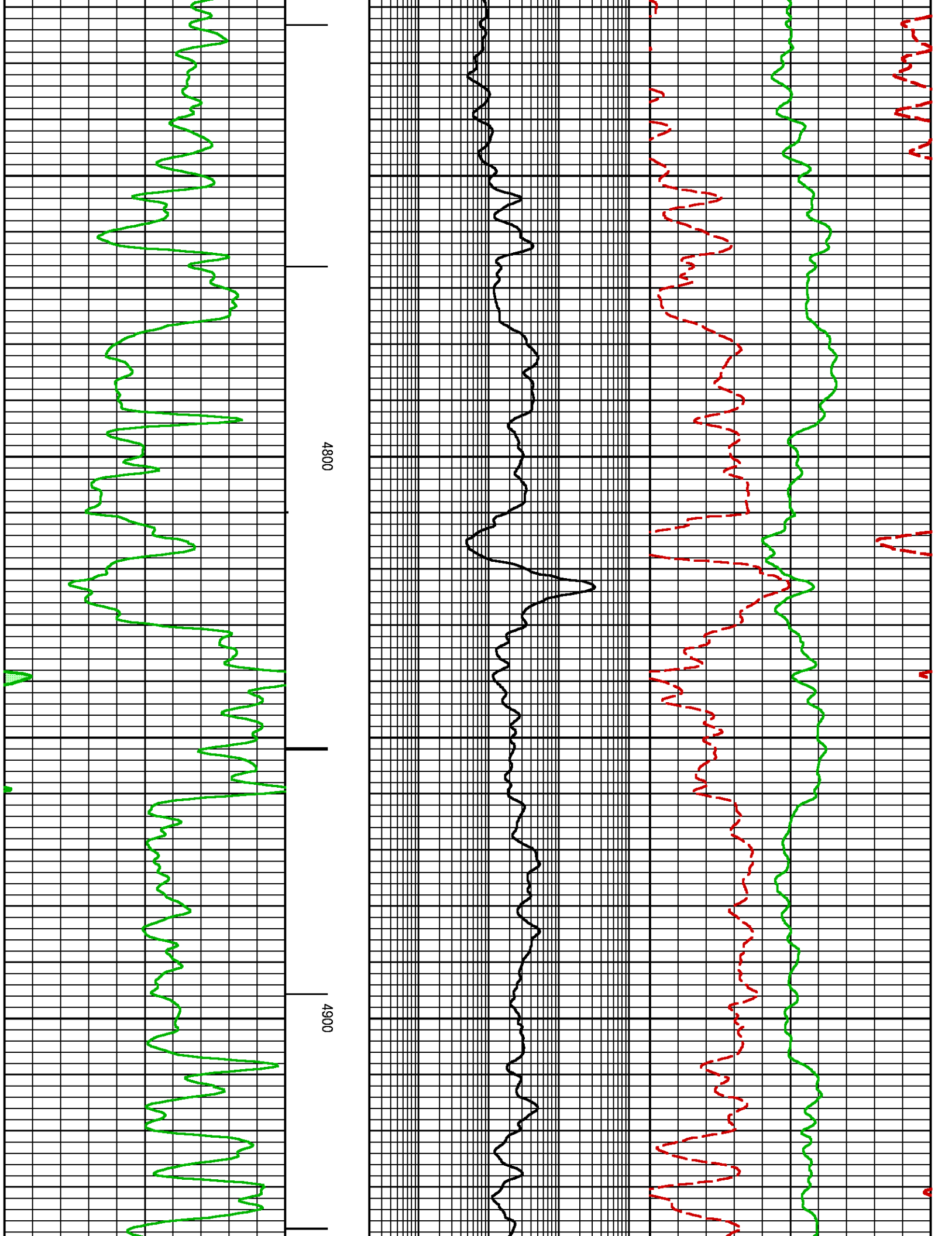
CURVE MEASURE POINT OFFSET

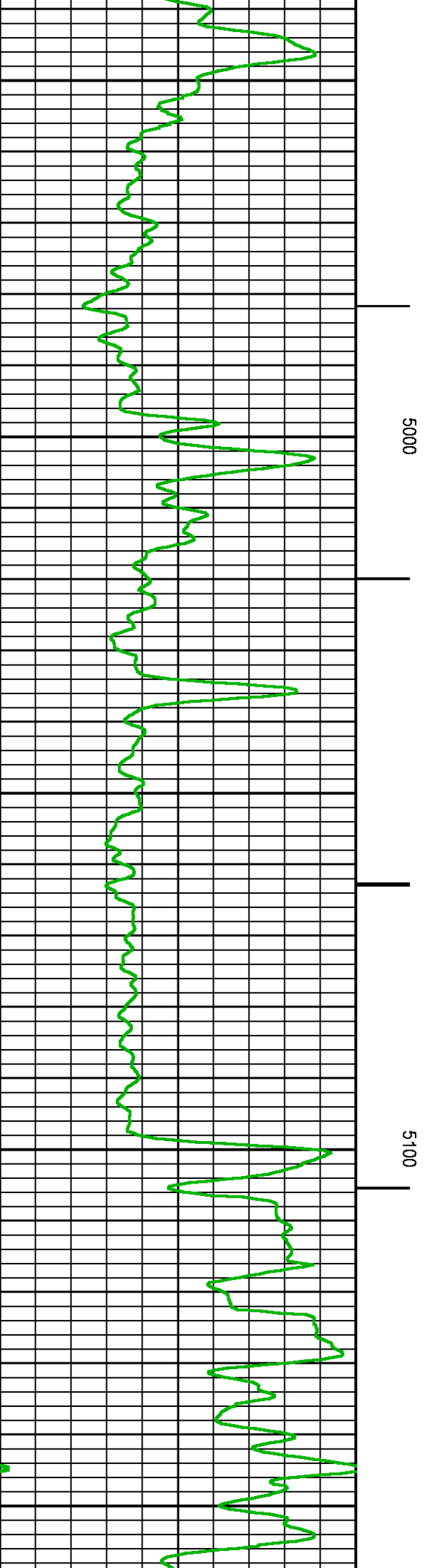
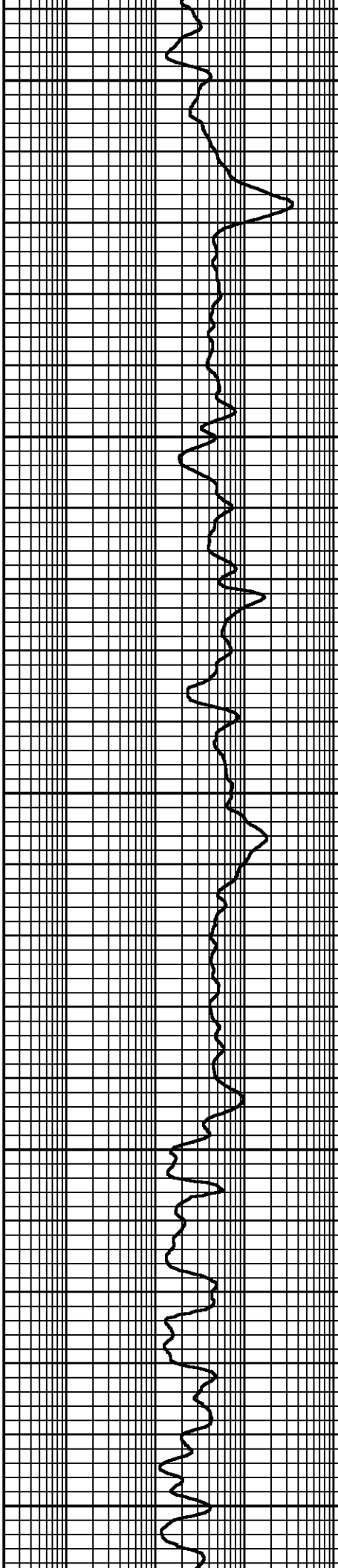
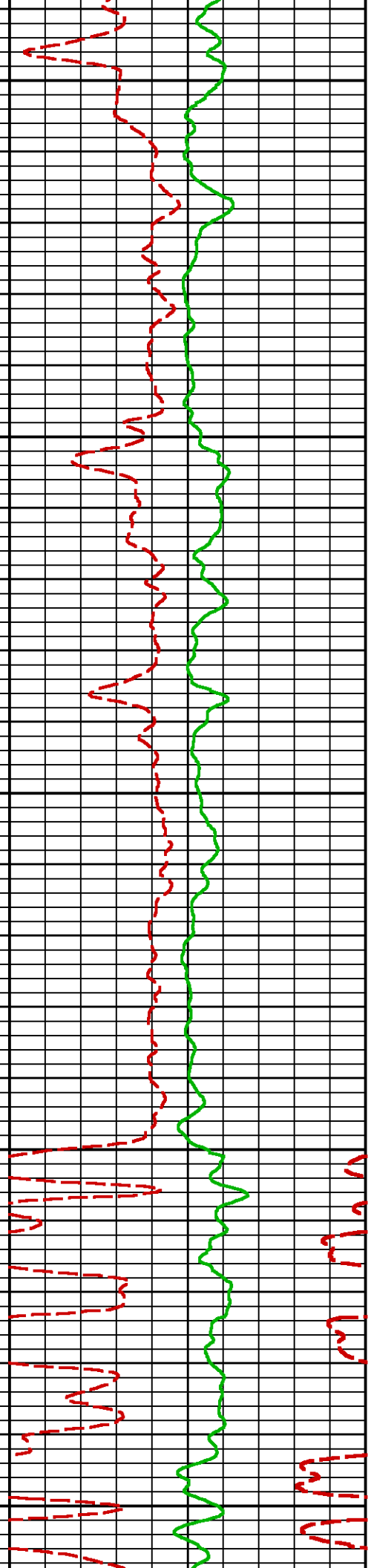
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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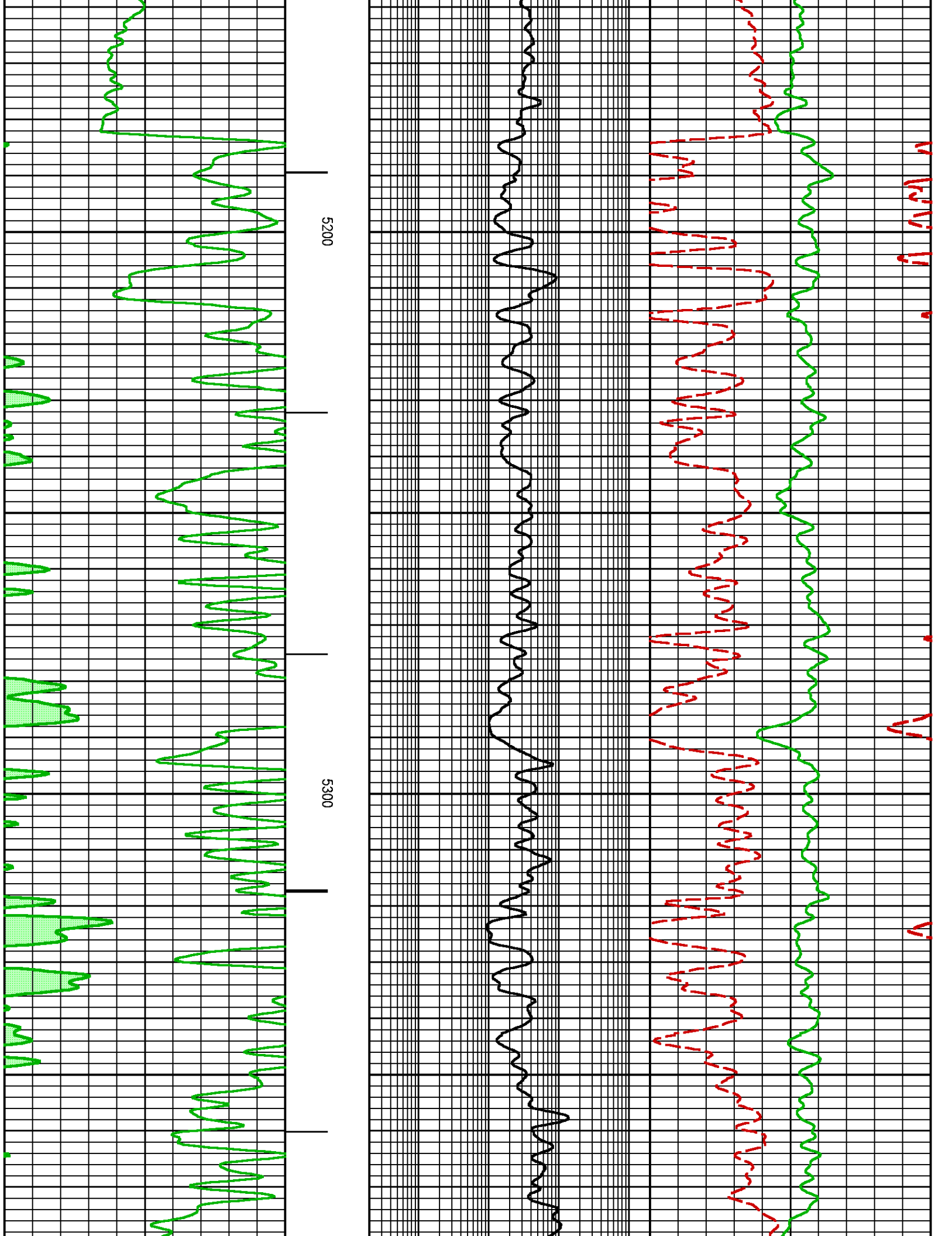
CCL	0.00	NNCNCF	0.00	NNZDEN	0.00	
GRNEO	0.00	NNM2R9	0.00			

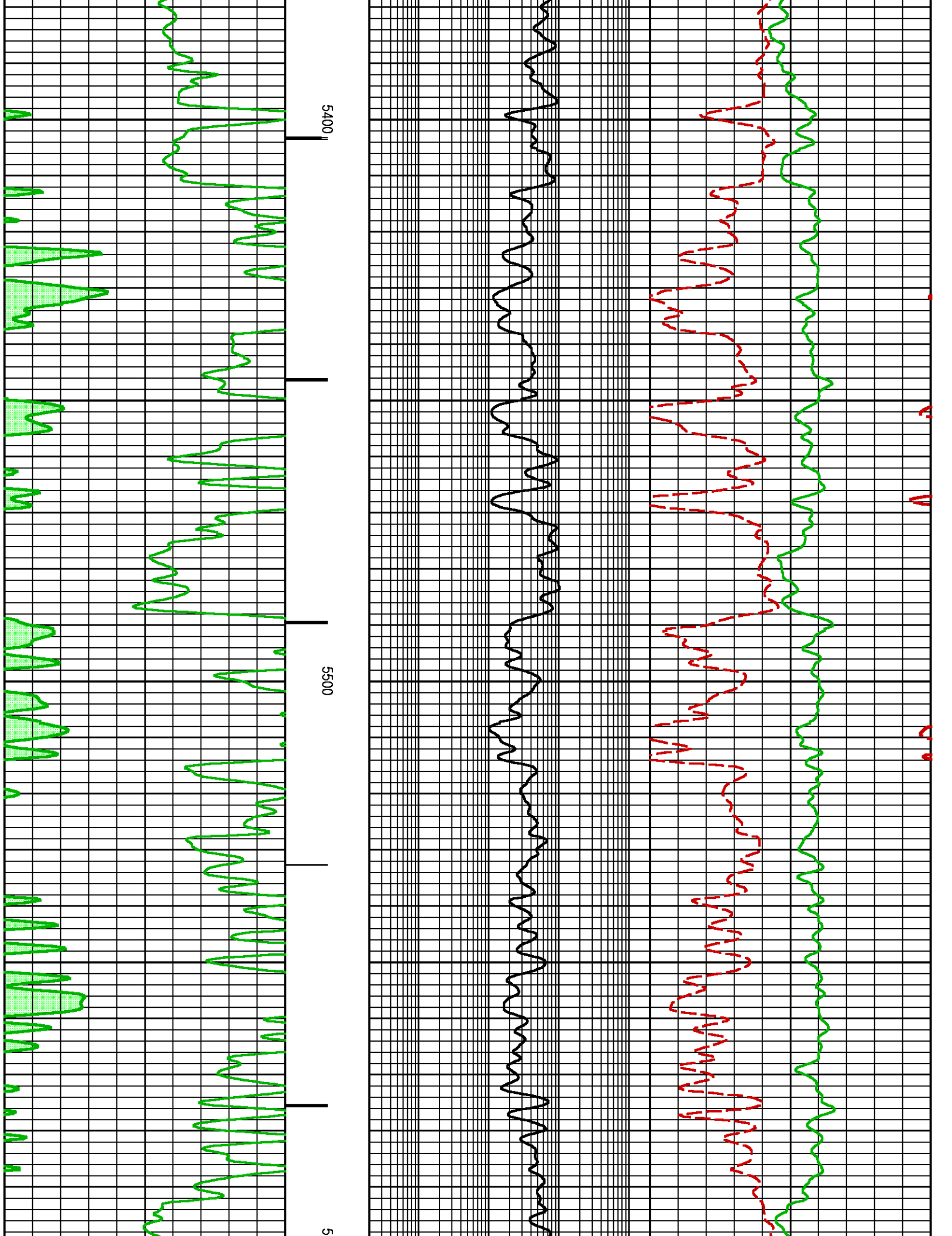
Project	: NA
User	: kotoale
Presentation	: BHI1F65XZ1:d:\Ape_Projects\Laramie_NICHOLS_0994_13_20E_NEO\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"=100' Scale]
Plot Interval	: 4580 - 7980 Feet
Data File 1	: F1 : BHI1F65XZ1:D:\Ape_Projects\Laramie_NICHOLS_0994_13_20E_NEO\Merged_Set_Final.xtf
Created On	: N/A
Company	: LARAMIE ENERGY II LLC
Well	: NICHOLS 0994-13-20E
Field	: VEGA
File Interval	: 2561.25 - 7961.25 Feet
OCT	: NA

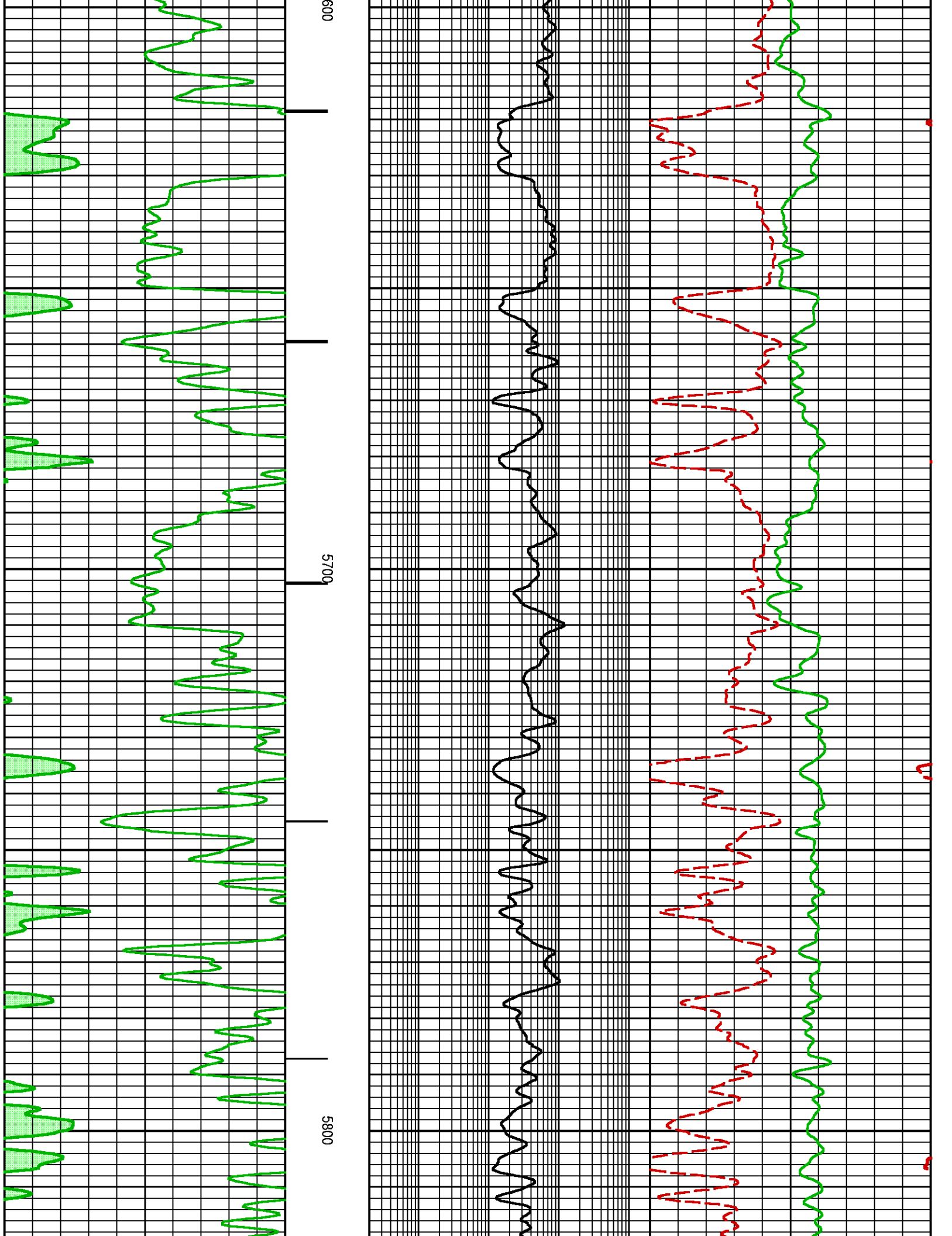


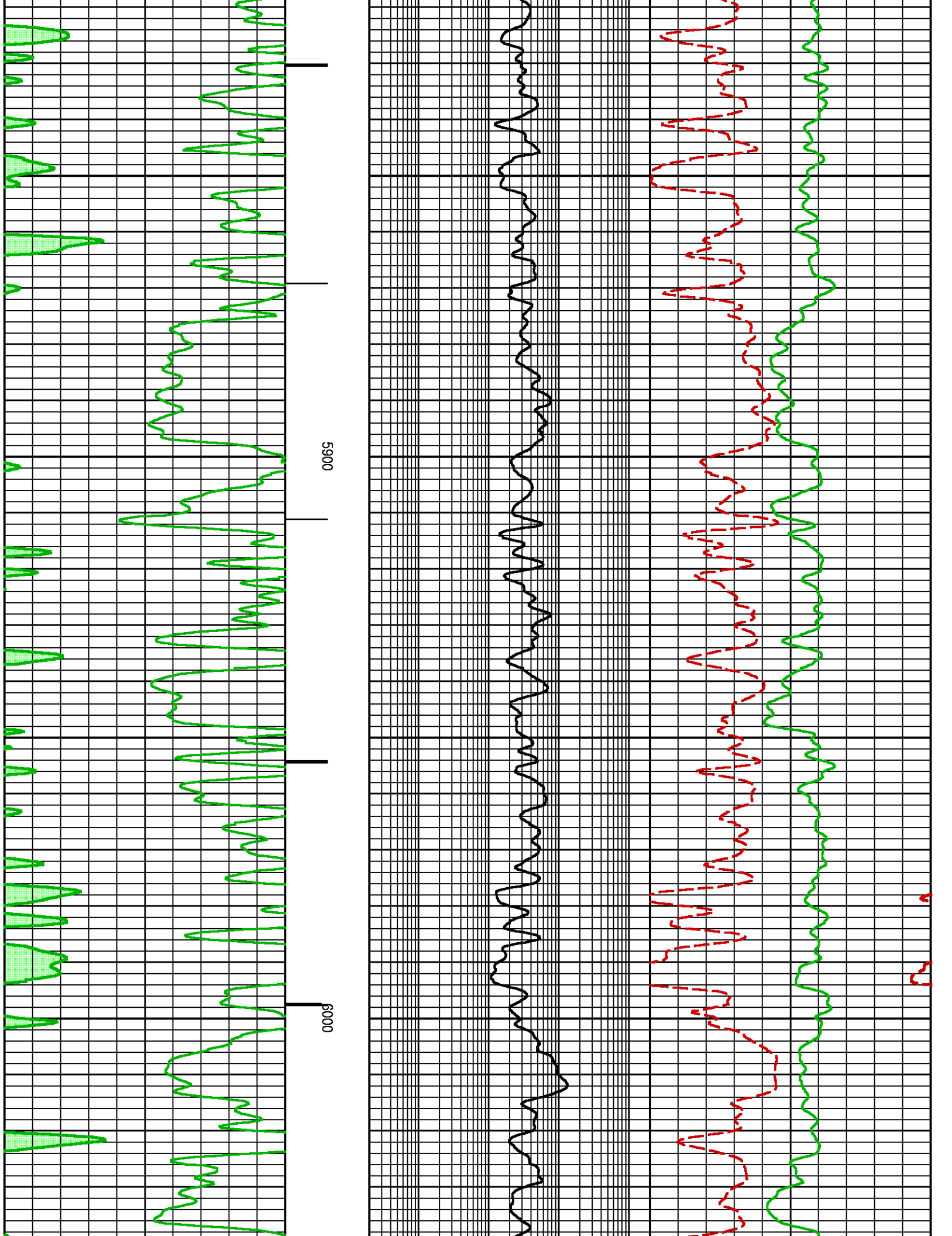


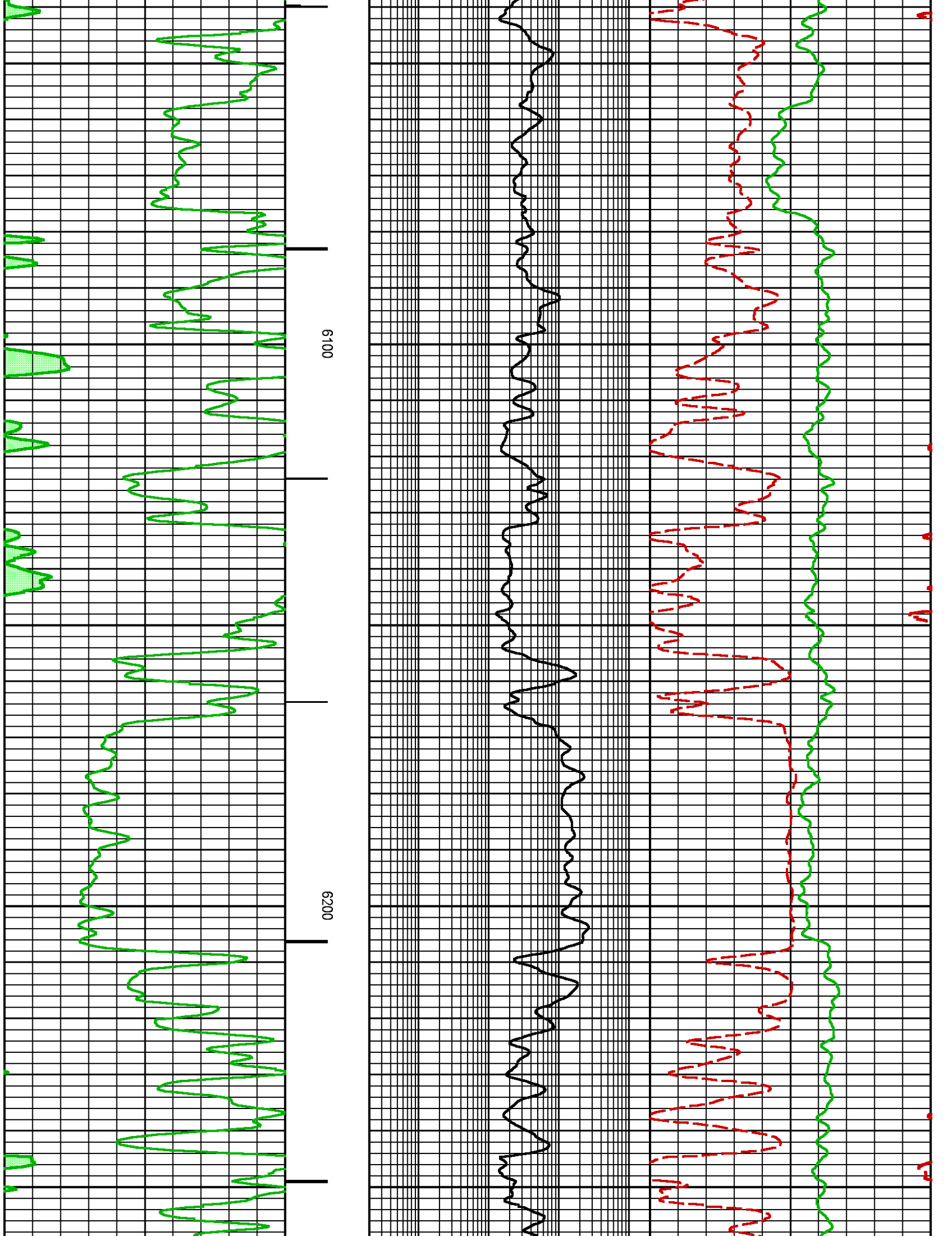


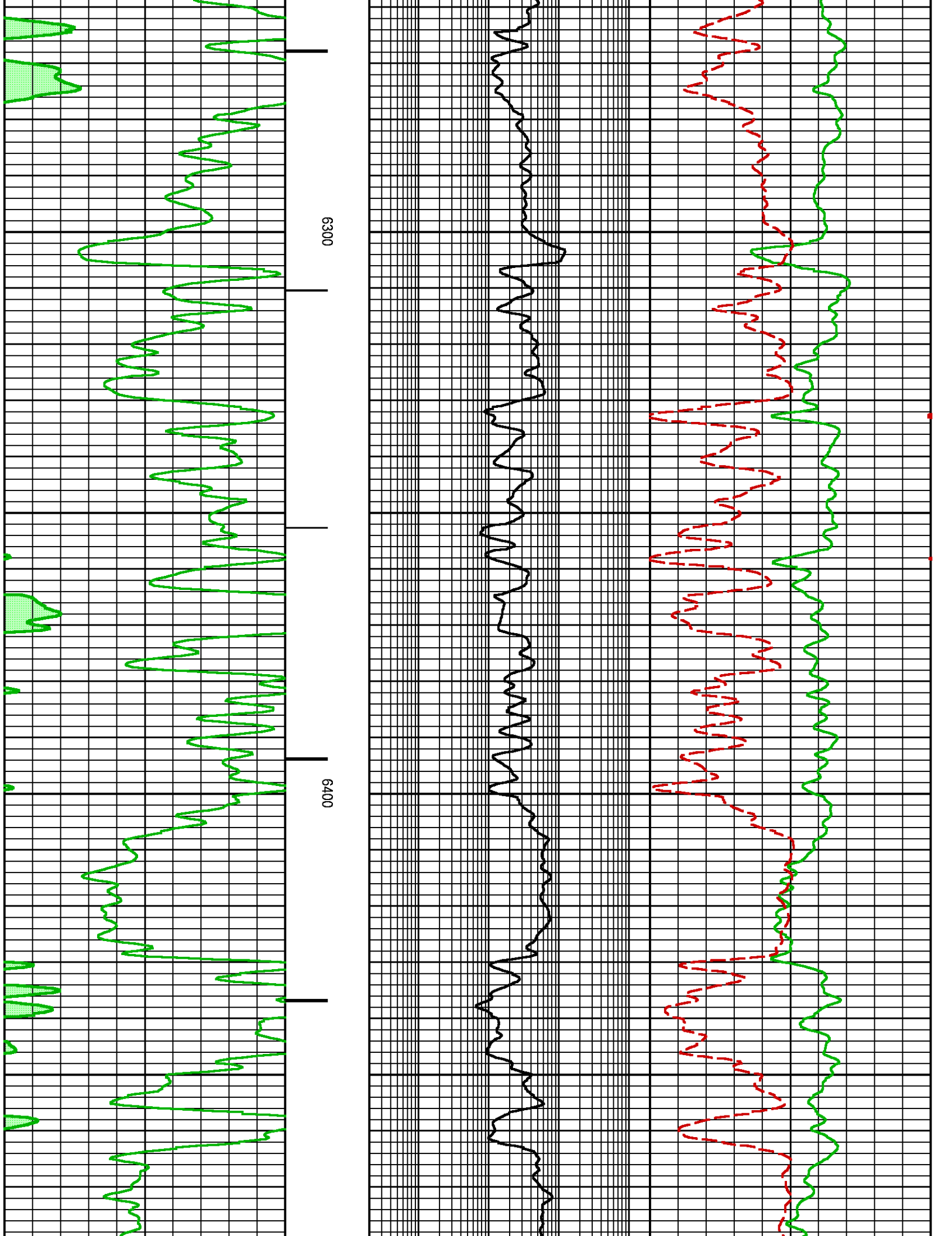


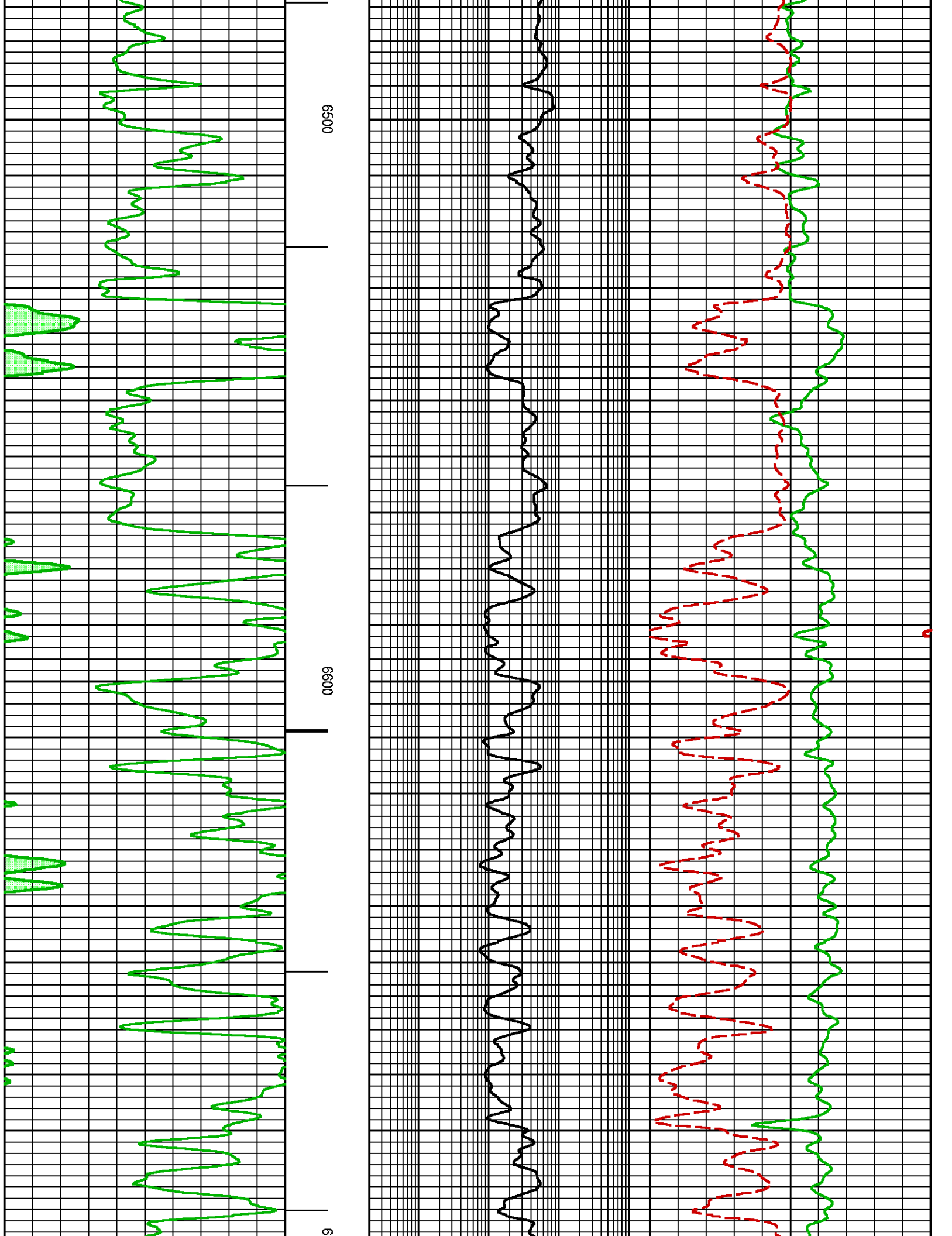


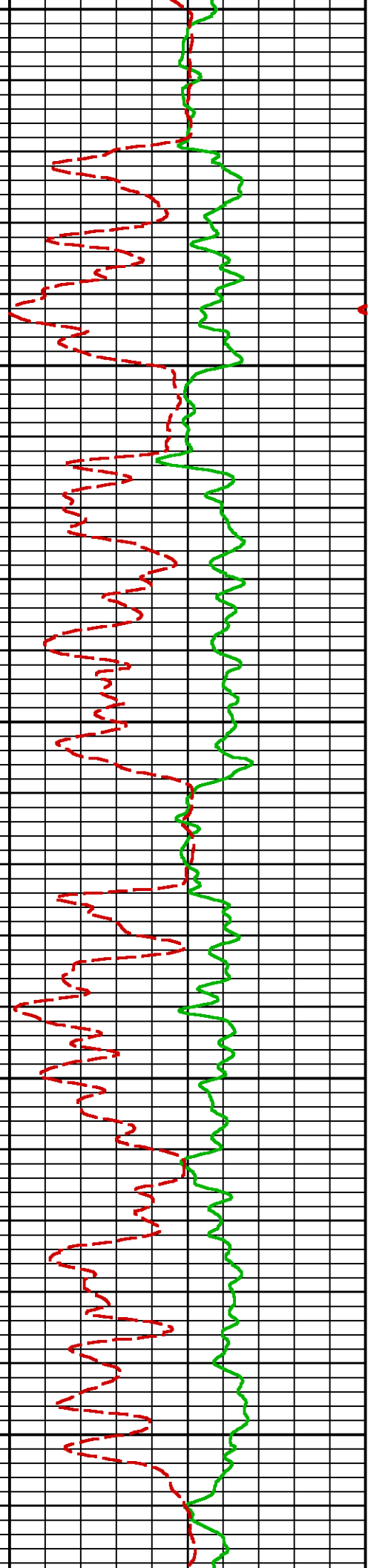
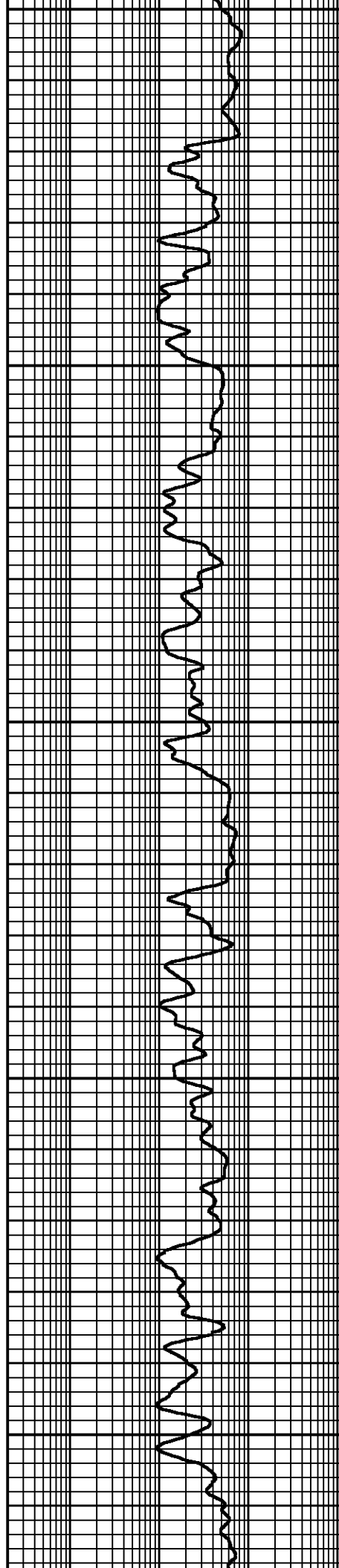
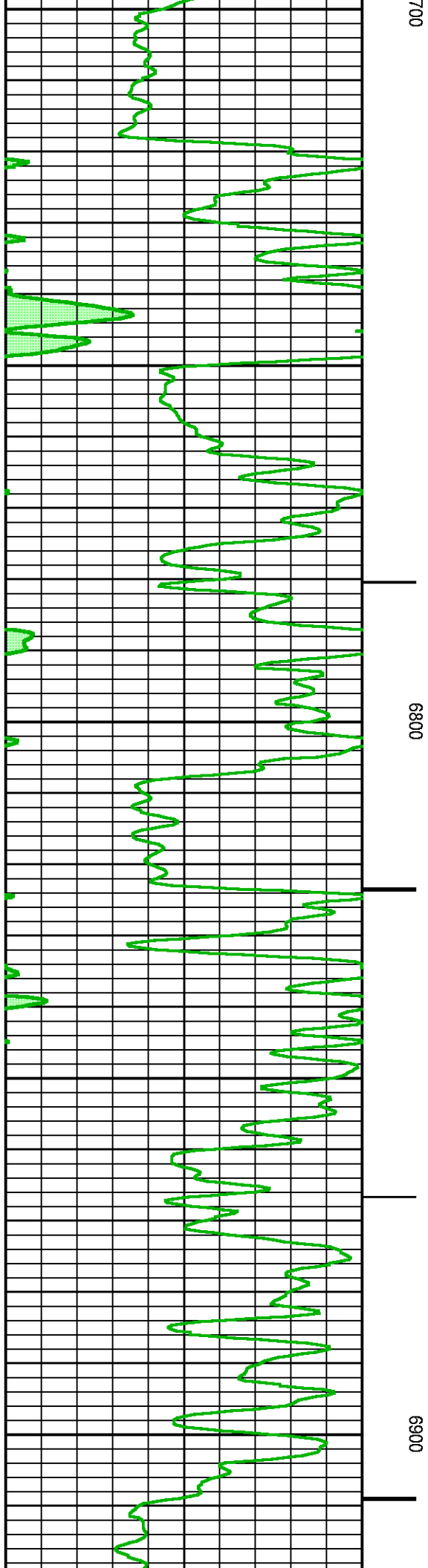


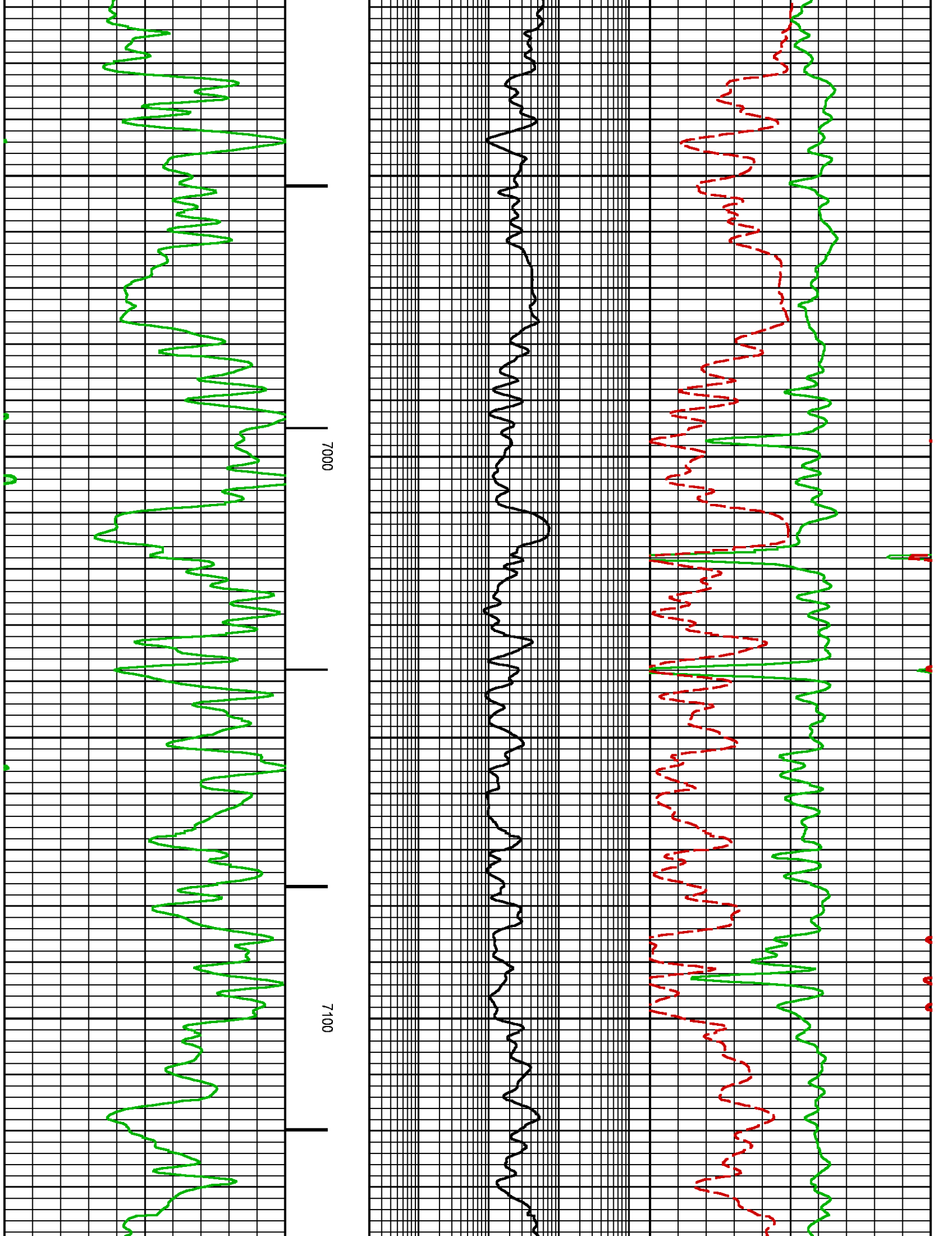


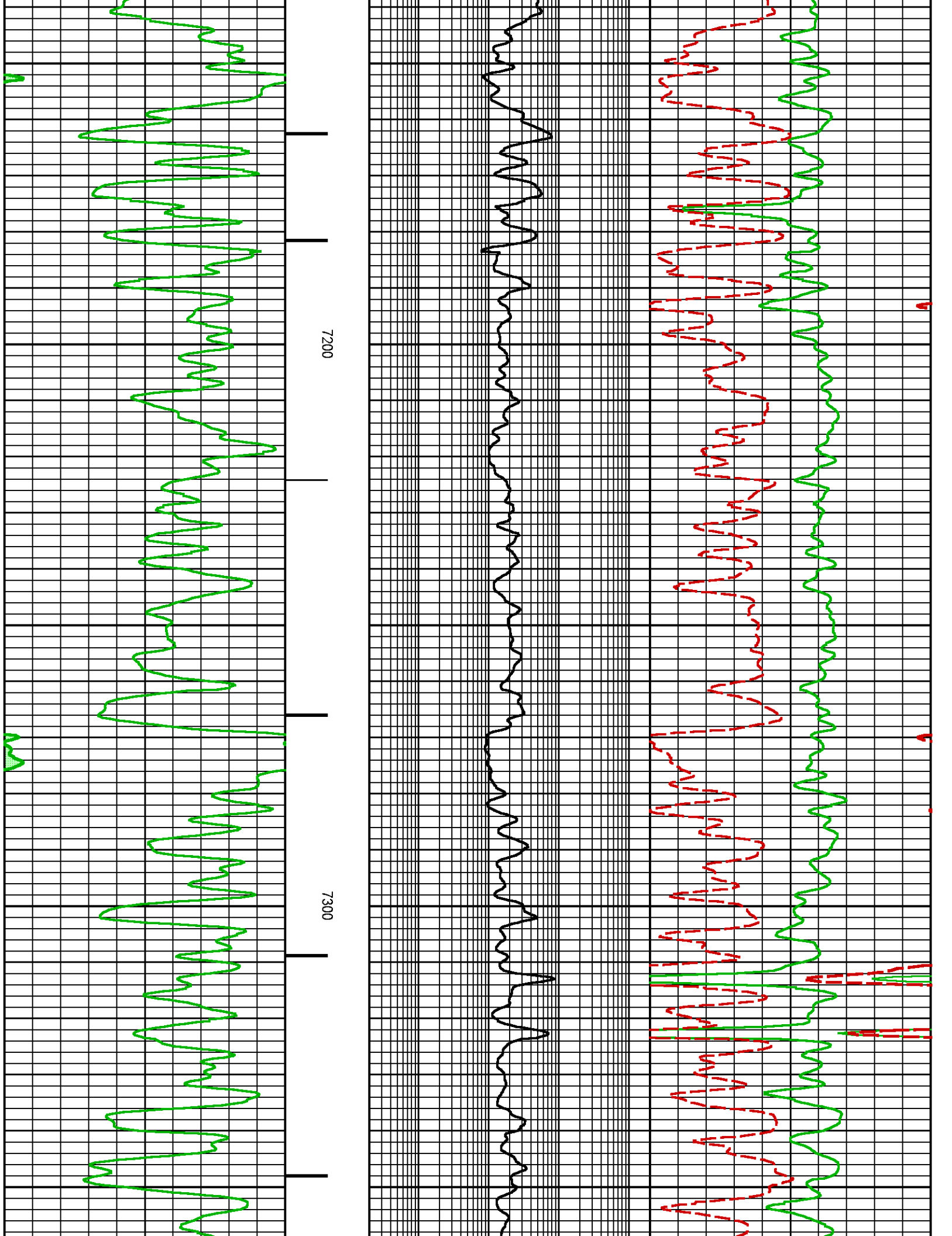


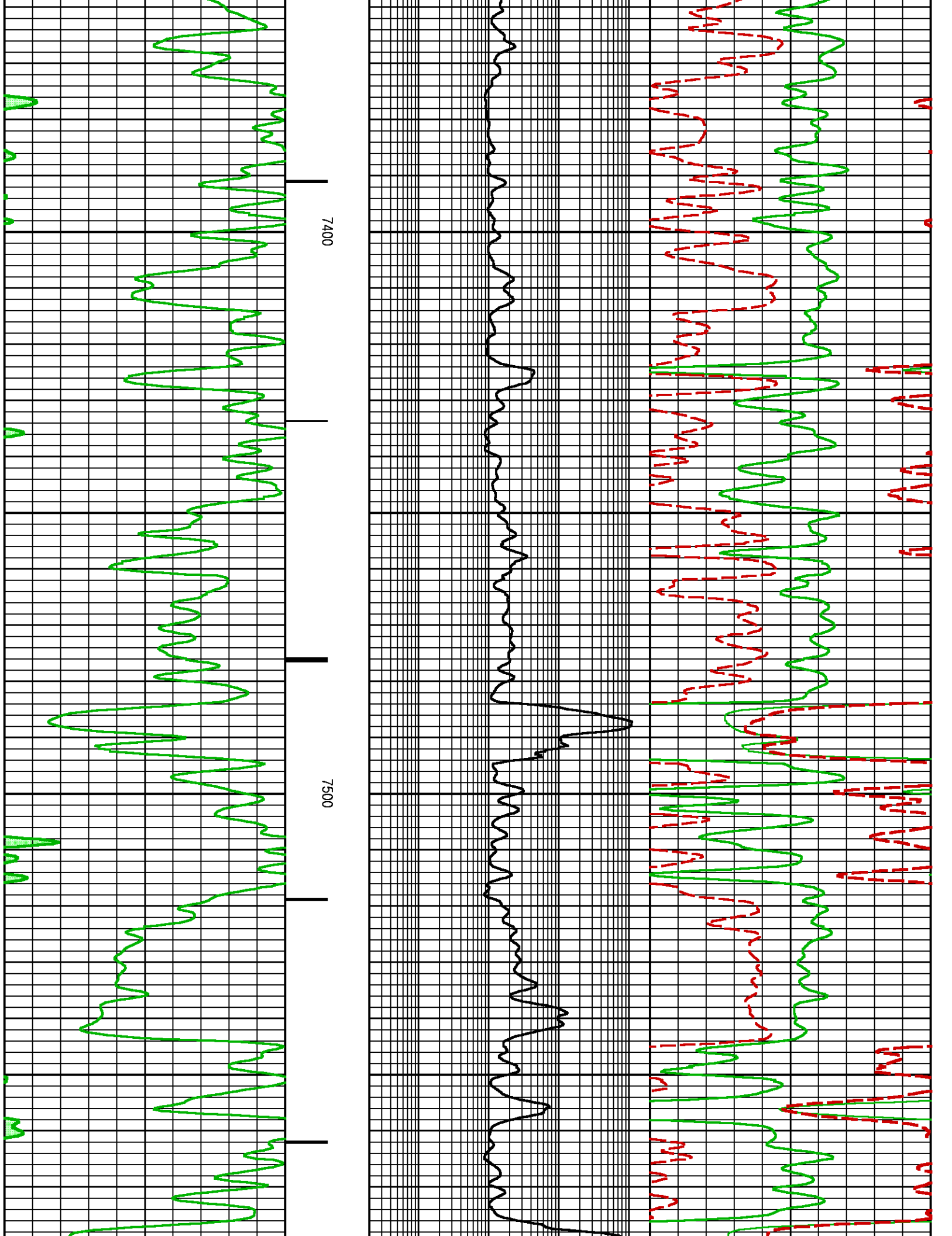


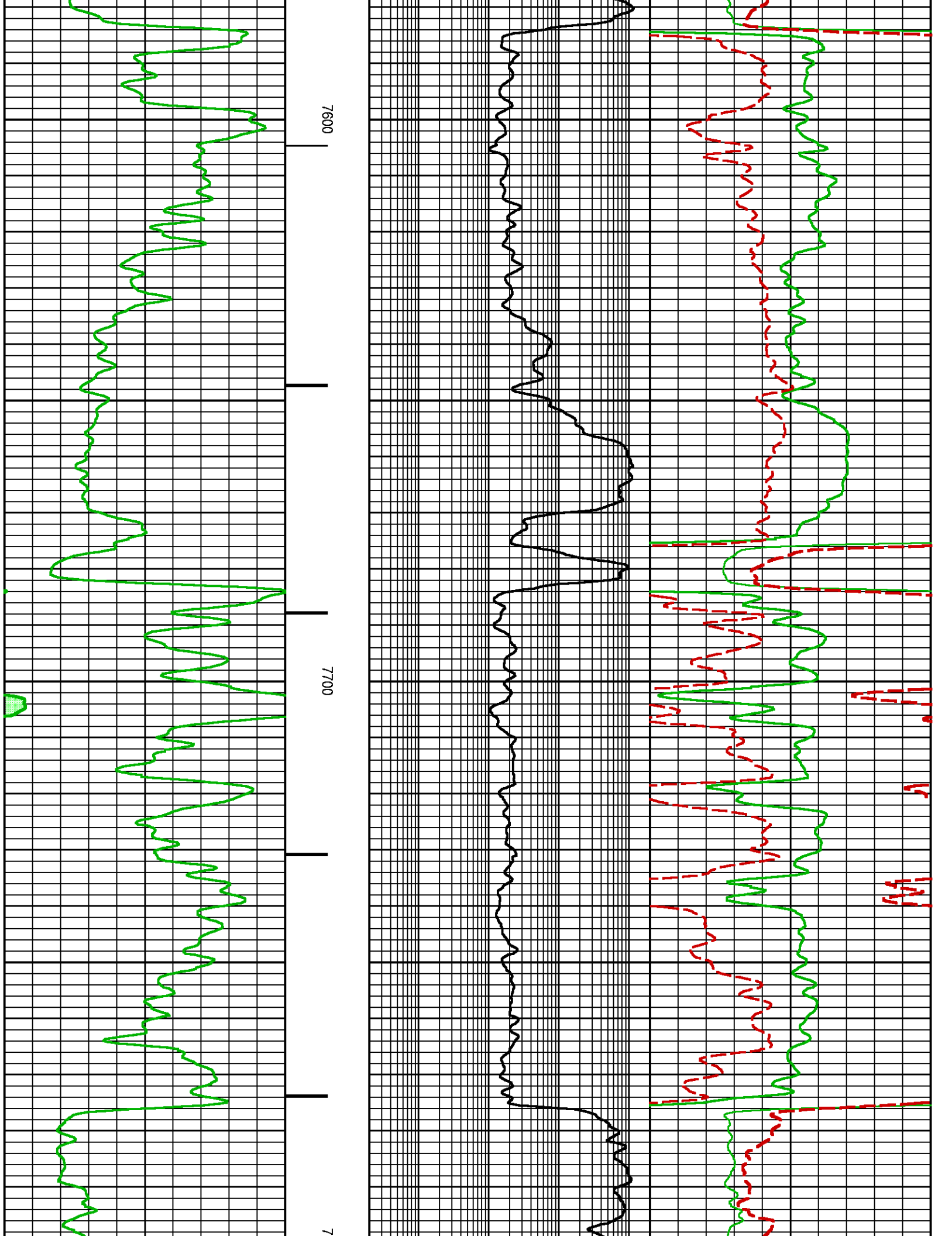


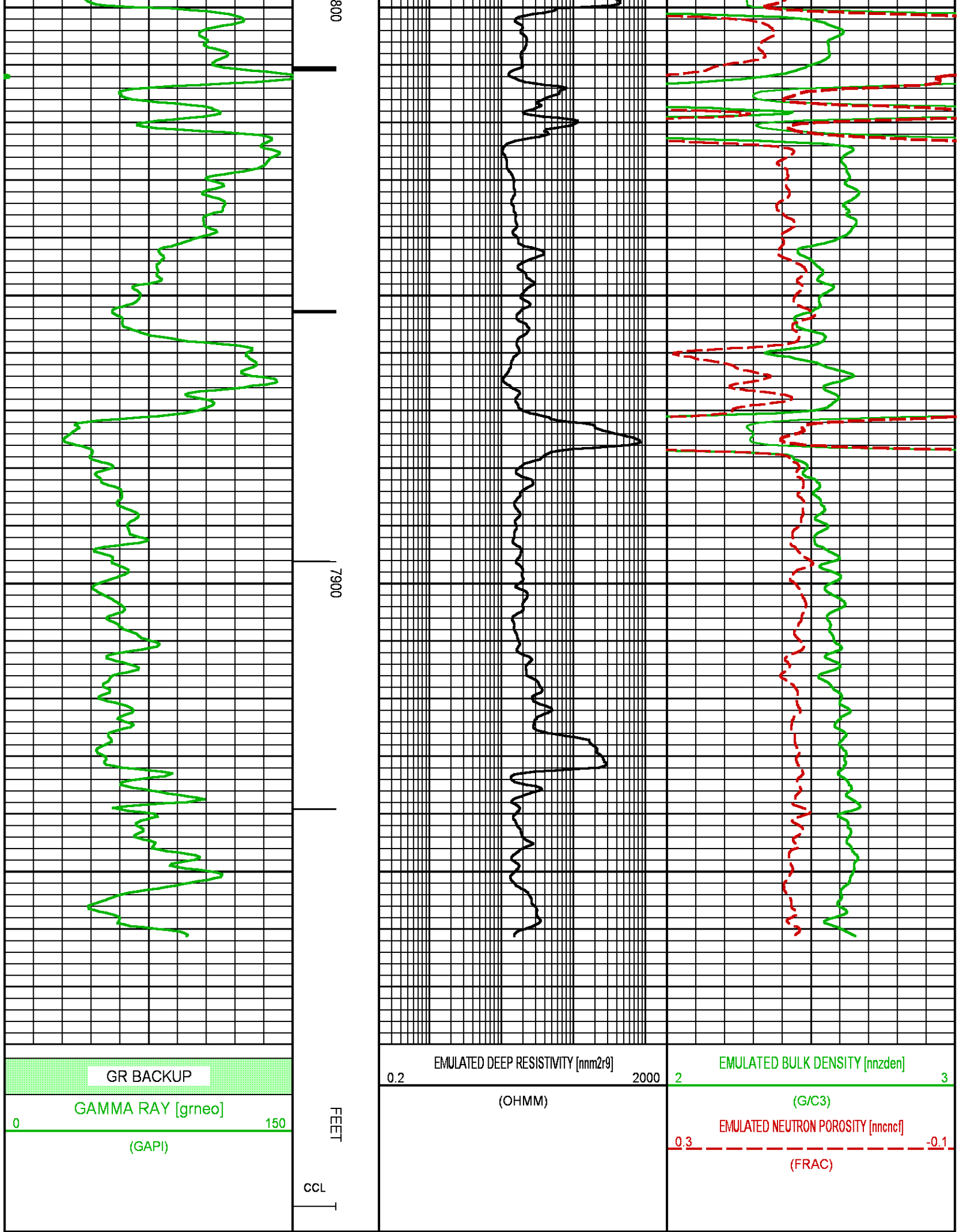














COMPANY LARAMIE ENERGY II LLC
WELL NICHOLS 0994-13-20E
FIELD VEGA
COUNTY MESA STATE COLORADO

FILE NO: _____
API NO: 05077104030000

LOCATION:

SEE REMARKS SECTION

SEC 24 TWP 9S RGE 94W

ELEVATIONS:

KB 7161 FT

DF

GL 7137 FT

DATE 20-Mar-2018

Pulsed Neutron
Formation Evaluation

