

DUAL COMPENSATED
POROSITY LOG

Company	MCGOWAN OIL COMPANY		
Well	MONTGOMERY #2-1		
Field			
County	CHAUTAUQUA	State	KANSAS
Location:	NE NW SE NE 1450' FNL & 940' FEL SEC: 1 TWP: 34S RGE: 8E API #: 15-019-27374		
Recorded By :	D.GRAHAM, J.FISHER		
Witnessed By :	D.MCGOWAN, D.COX, B.COX, A.BROWN		
Date	DECEMBER 16, 2013		Elevation
Run Number	TWO		
Depth Driller	2350'		K.B. :
Depth Logger	2349'		D.F. :
Bottom Logged Interval	2347'		G.L. : 929'
Top Log Interval	20'		Other Services
Casing Driller	8.625" @ 40'		
Casing Logger	8.625" @ 40'		DIND
Bit Size	7.875"		
Type Fluid in Hole	MUD		
Density / Viscosity	9.3# / 48		
pH / Fluid Loss	NA / NA		
Source of Sample	PIT		
Rm @ Meas. Temp	5.0 / 56deg.		
Rmf @ Meas. Temp	4.0 / 56deg.		
Rmc @ Meas. Temp	6.0 / 56deg.		
Source of Rmf / Rmc CHARTS			
Rm @ BHT	2.8 / 100deg.		
Equipment Number	47		
Location	HOMINY		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

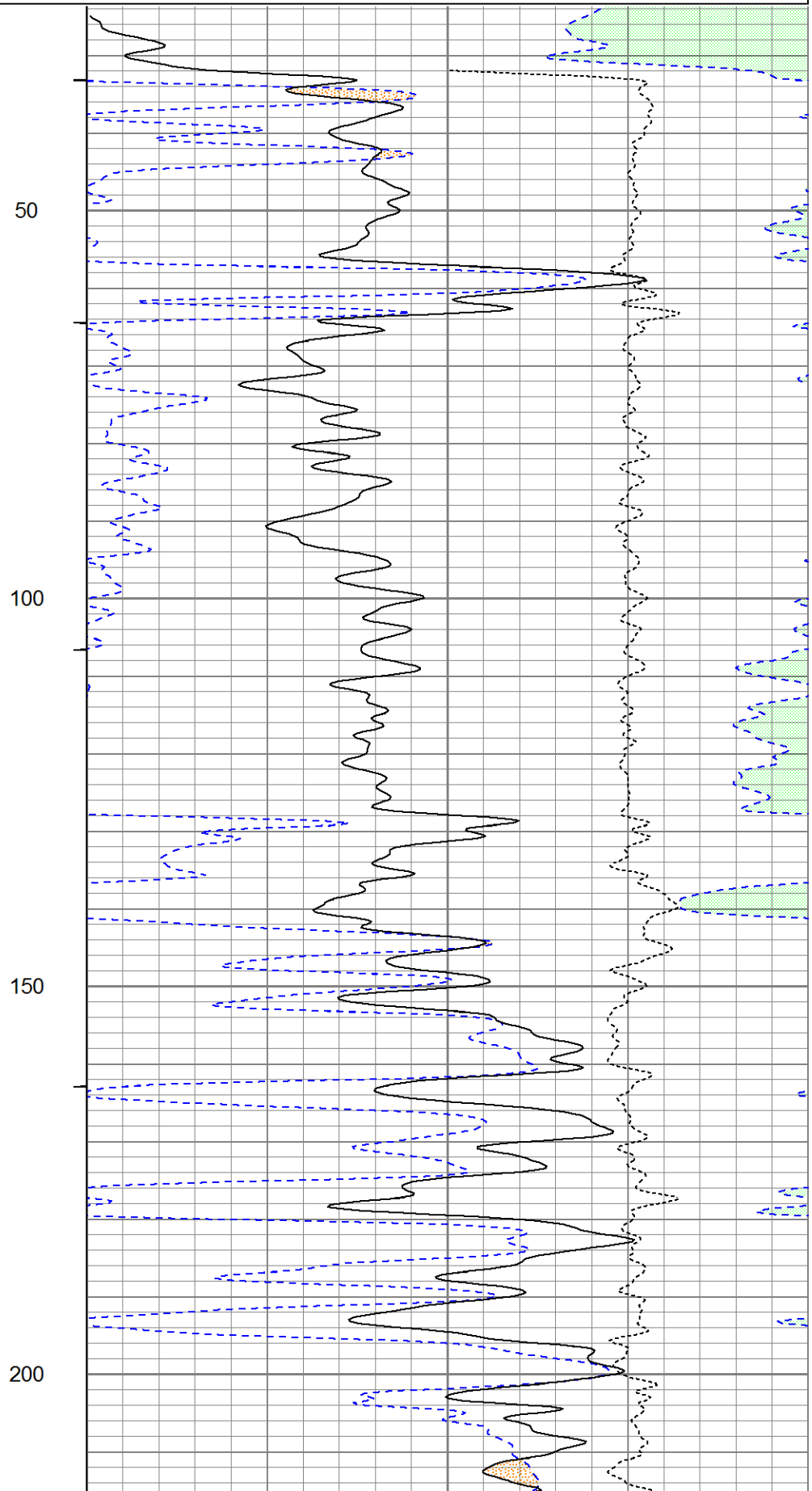
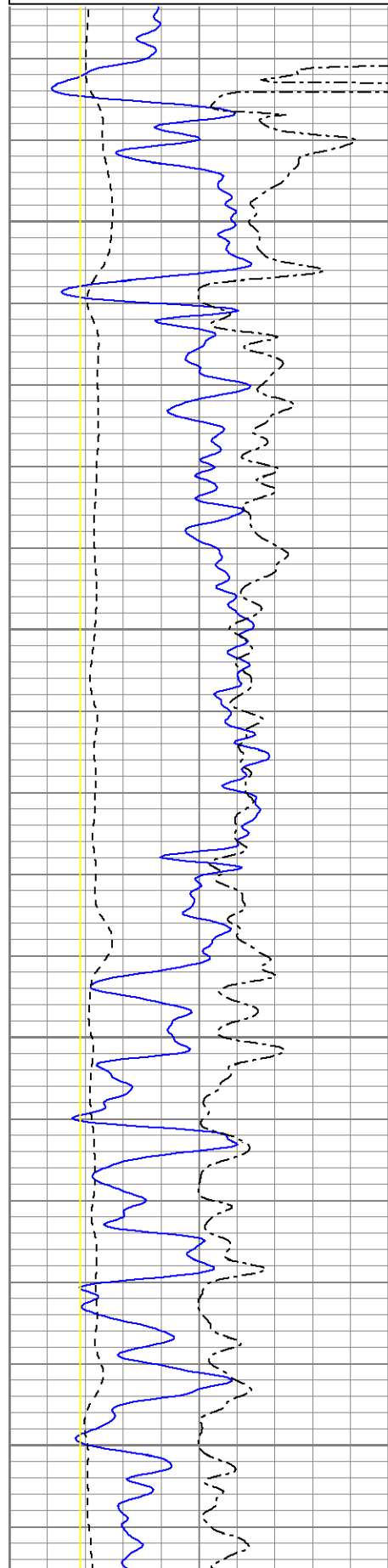
BOREHOLE AND ANNULAR VOLUME MARKS PRESENTED ON DENSITY PLOT.
ANNULAR VOLUME CALCULATED FOR 5.500" CASING.
THANK YOU FOR USING FWS, INC. HOMINY, OKLAHOMA. 918 885 6564

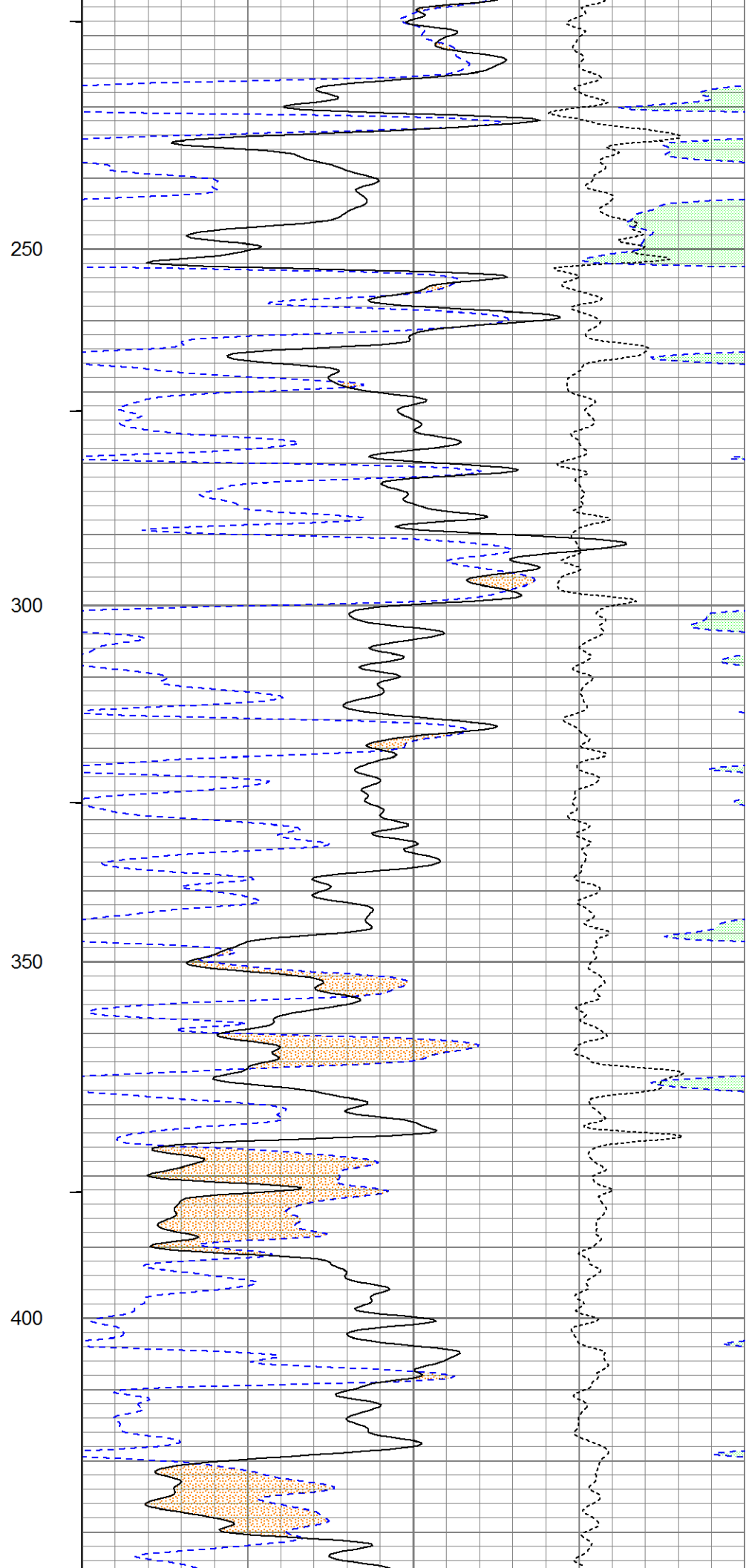
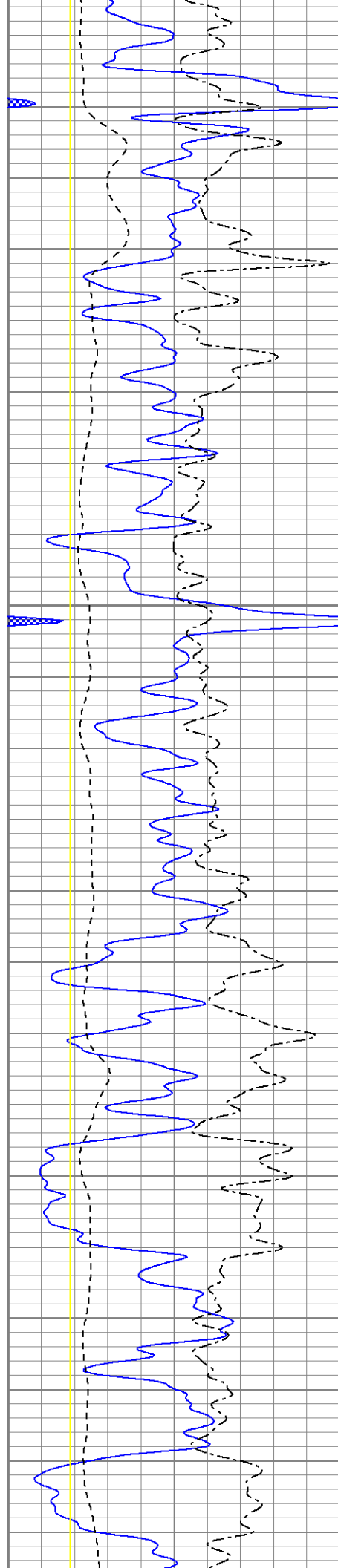
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	19.33		DLI_GR-DLI (GR_001)	3.00	3.38	30.00

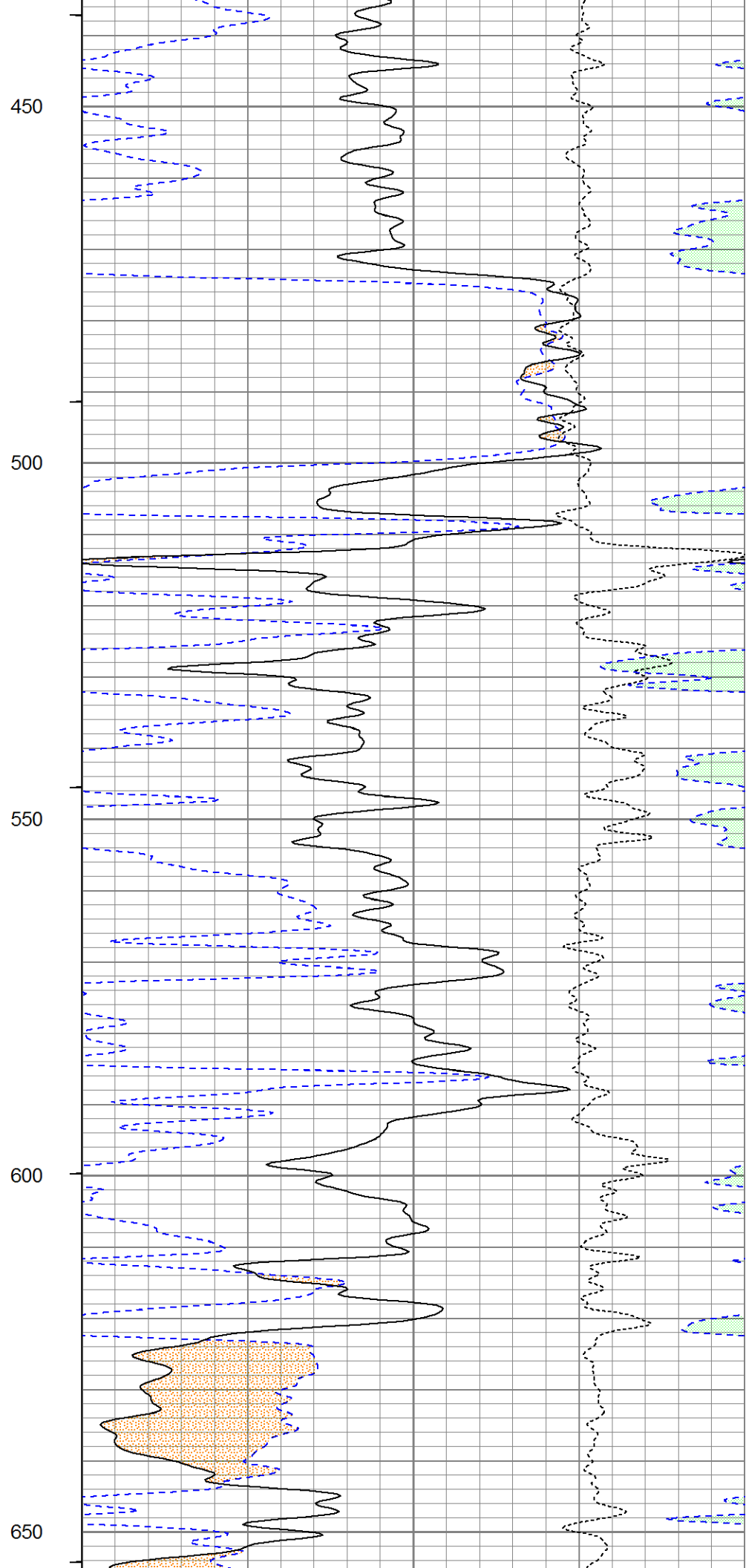
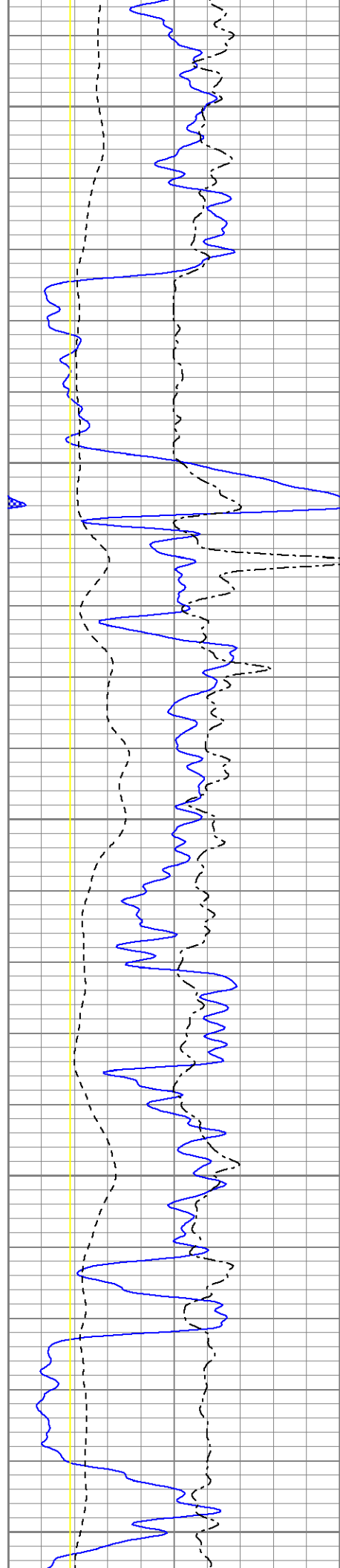
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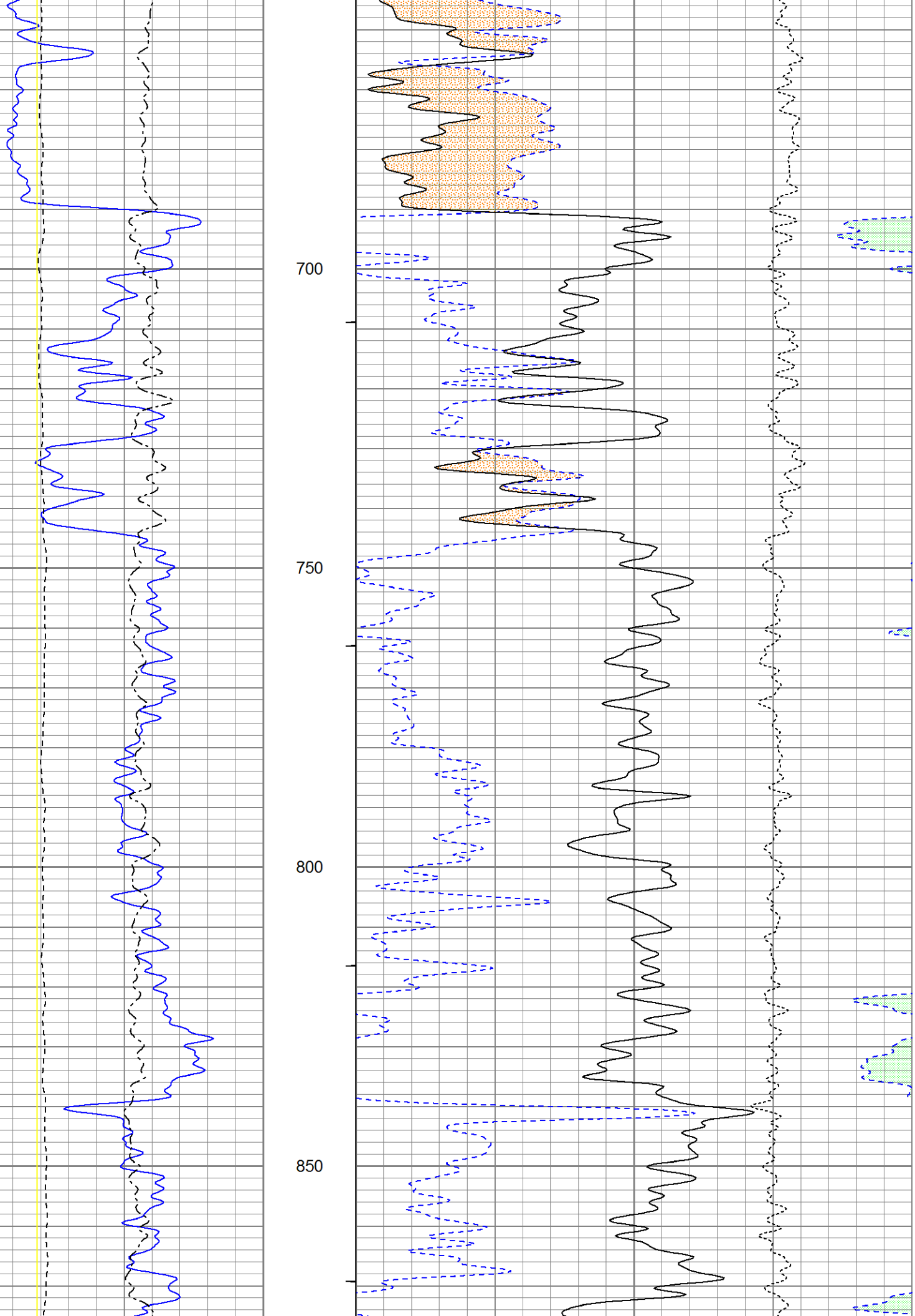
6	Density Caliper (in)	16
0	Gamma Ray (GAPI)	150
6	Bit Size (in)	16
6	Neutron Caliper (in)	16
-0.55	Rwa (Ohm-m)	0.55

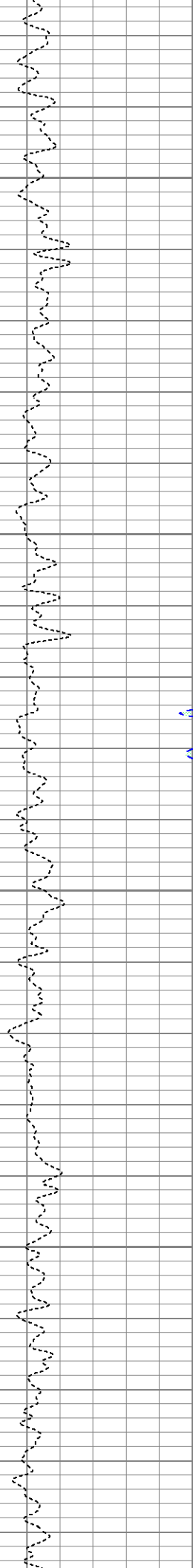
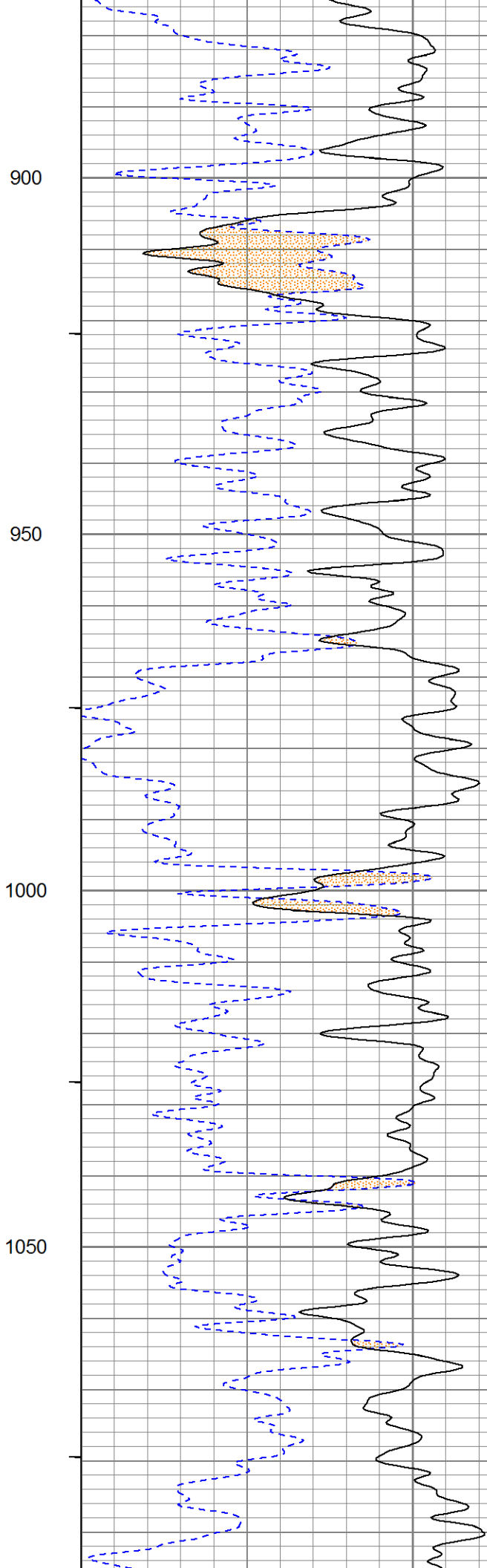
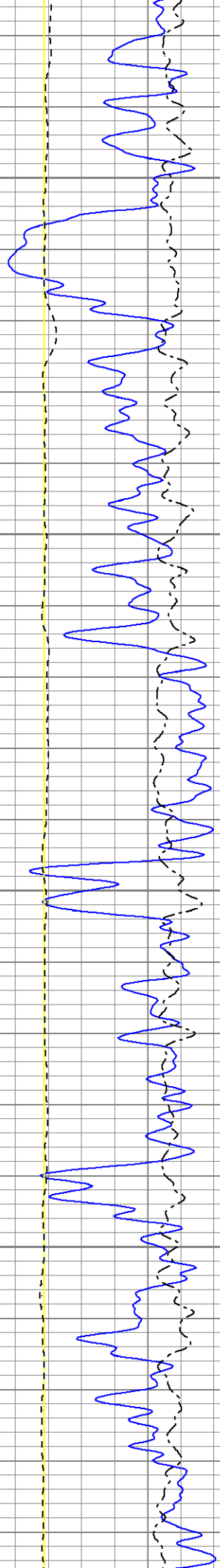
30	Neutron Porosity (pu)	-10
30	Density Porosity (pu)	-10
70	Density Porosity (pu)	30
70	Neutron Porosity (pu)	30
-0.25 Density Correction (g/cc) 0.25		

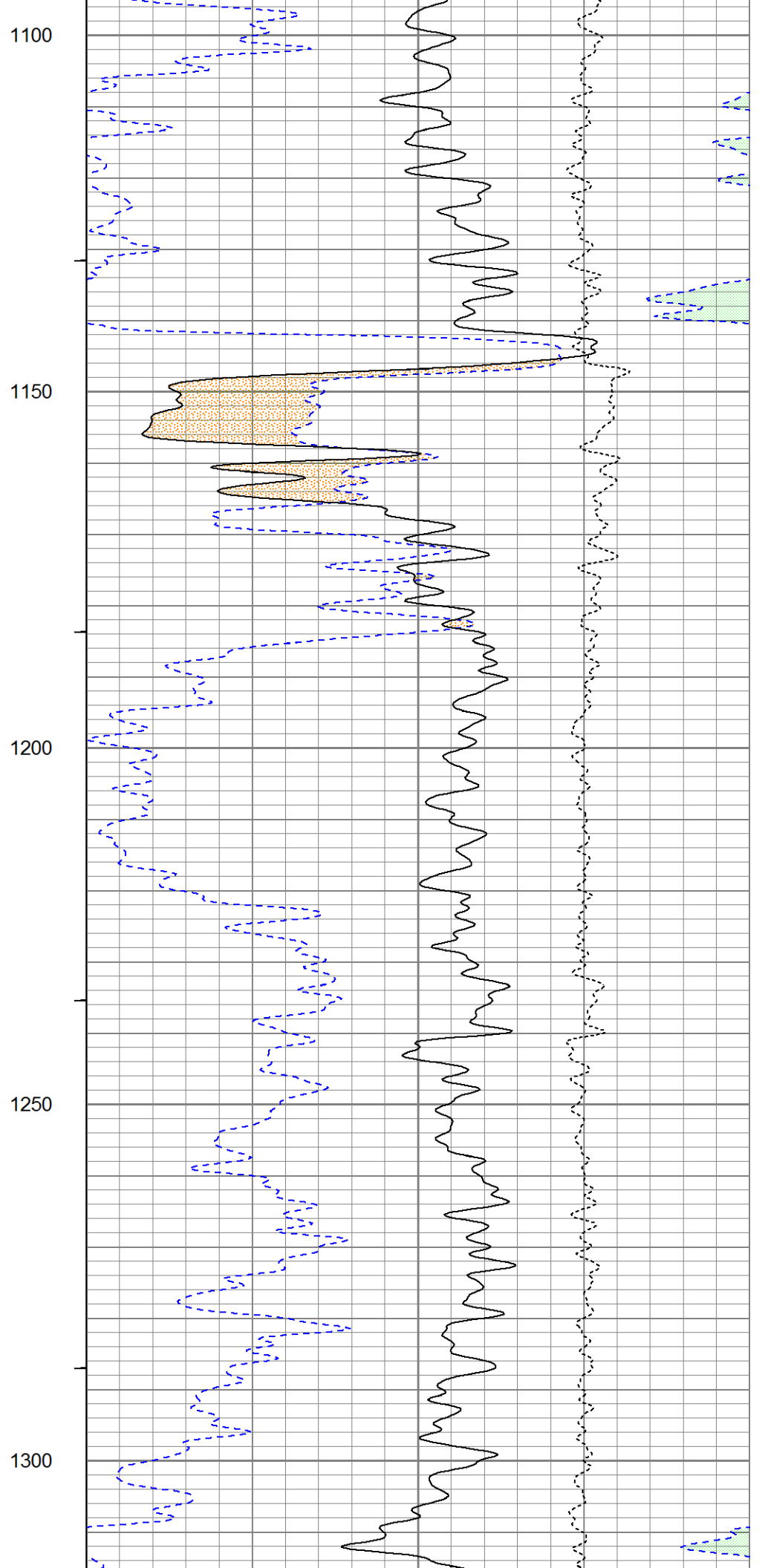
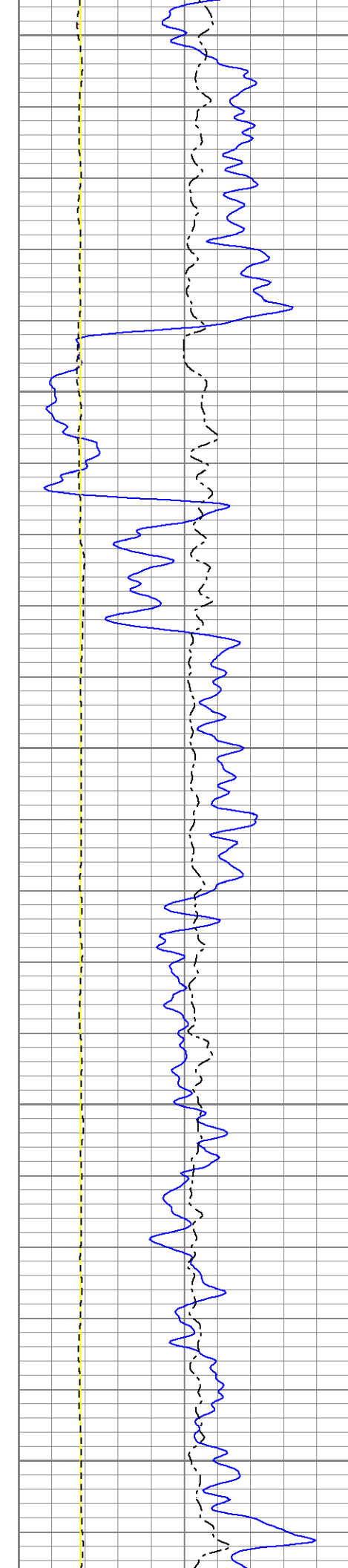


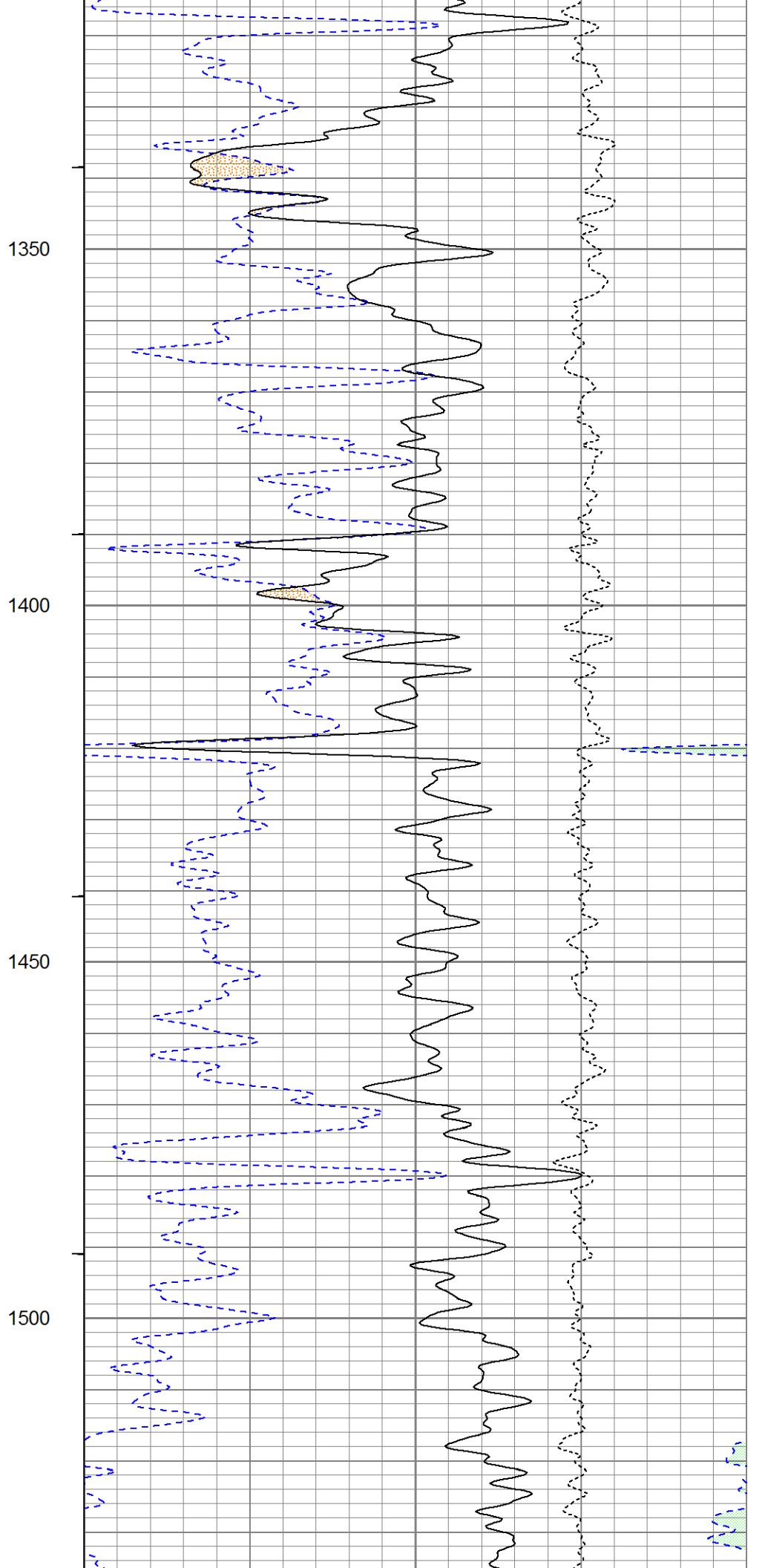
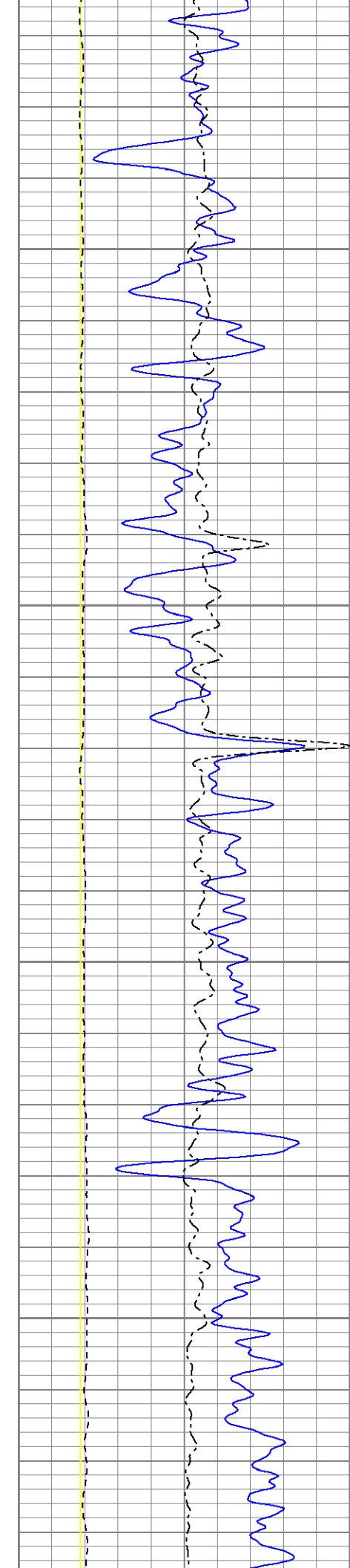


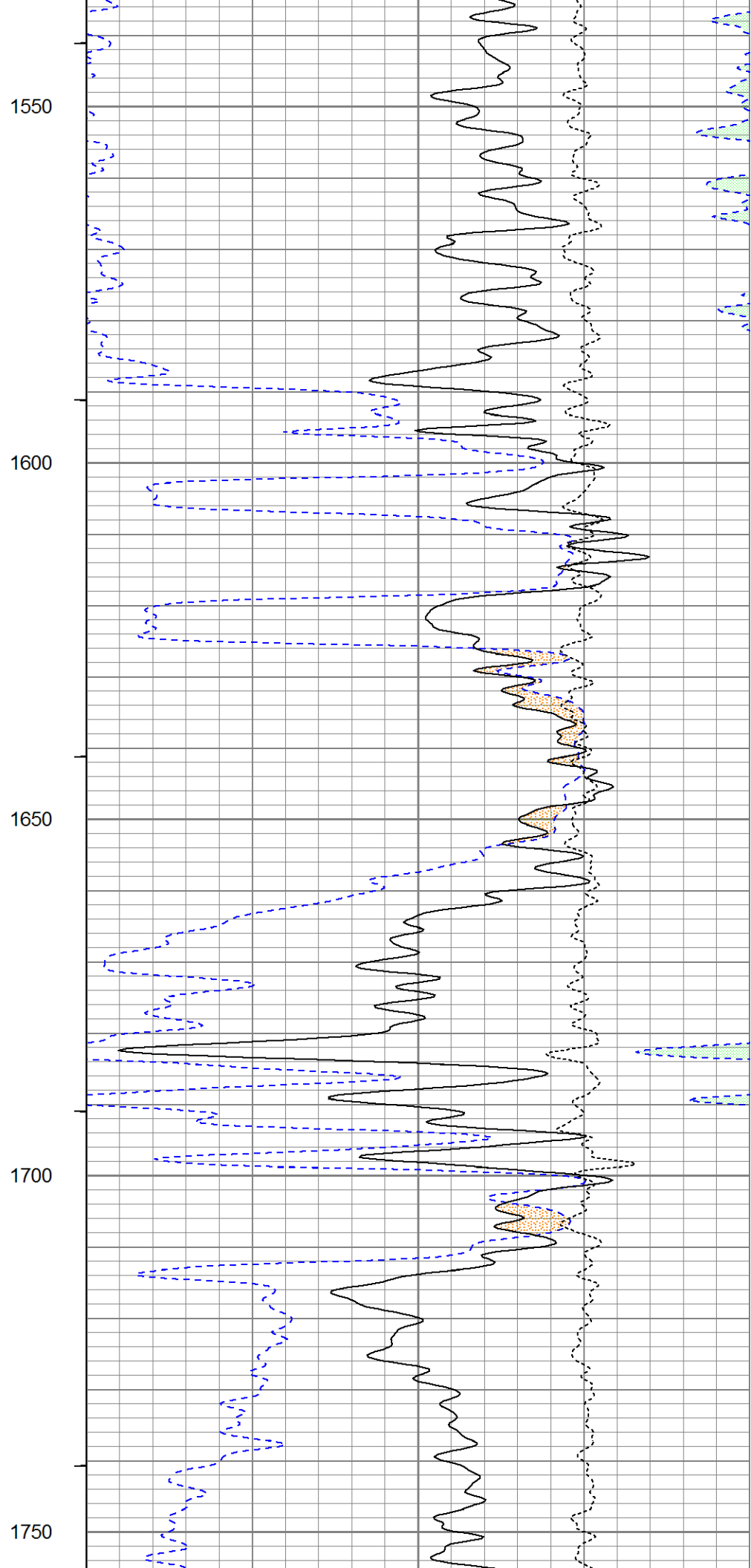
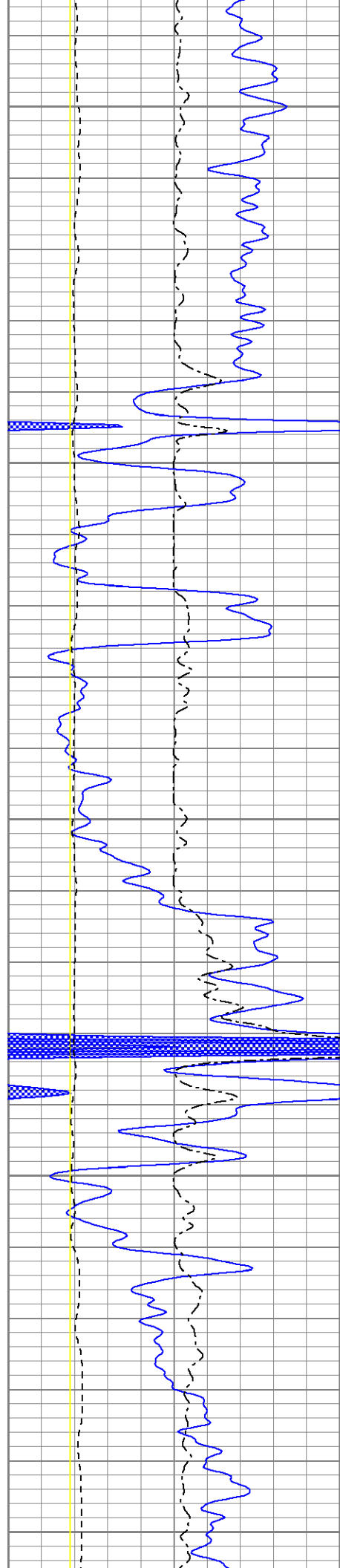


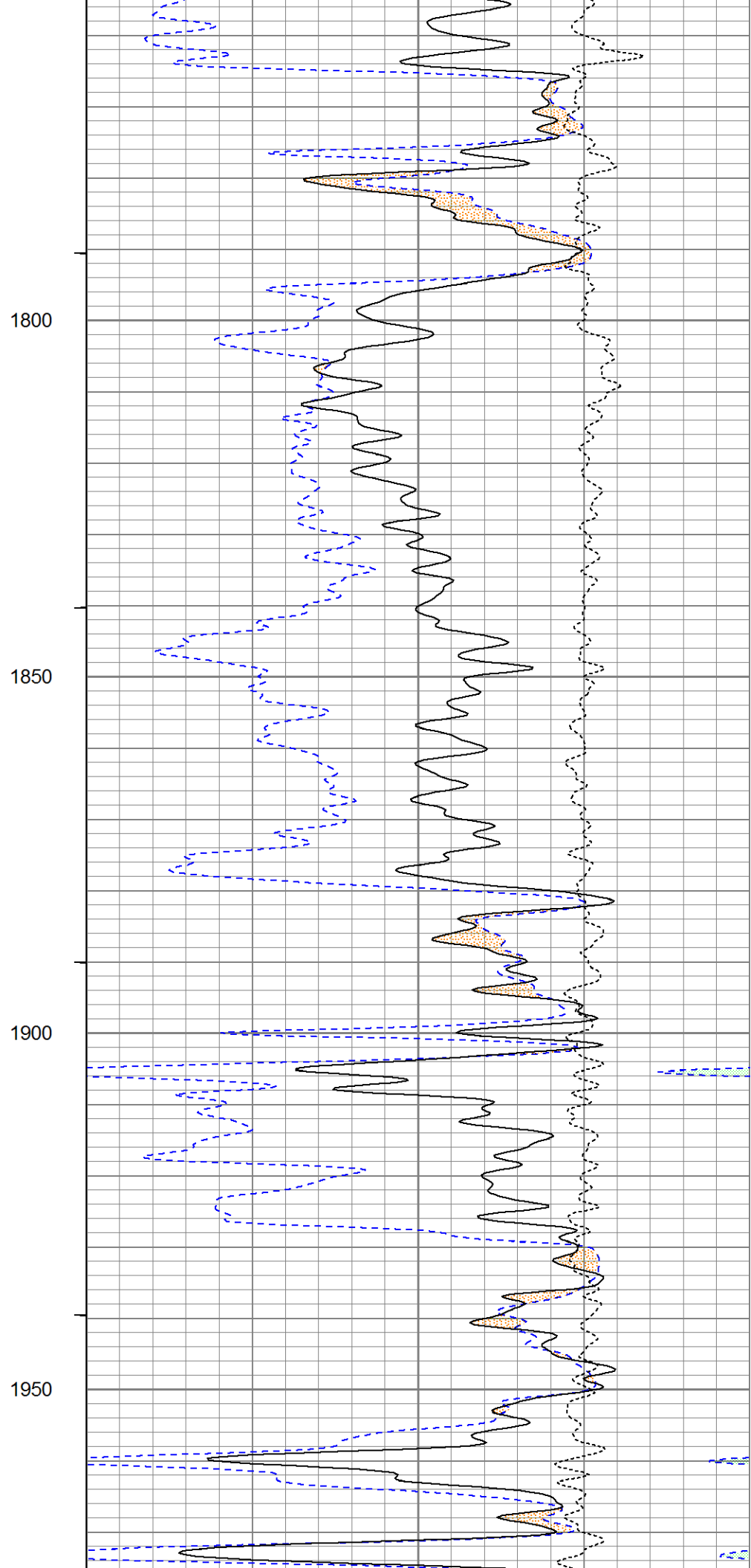
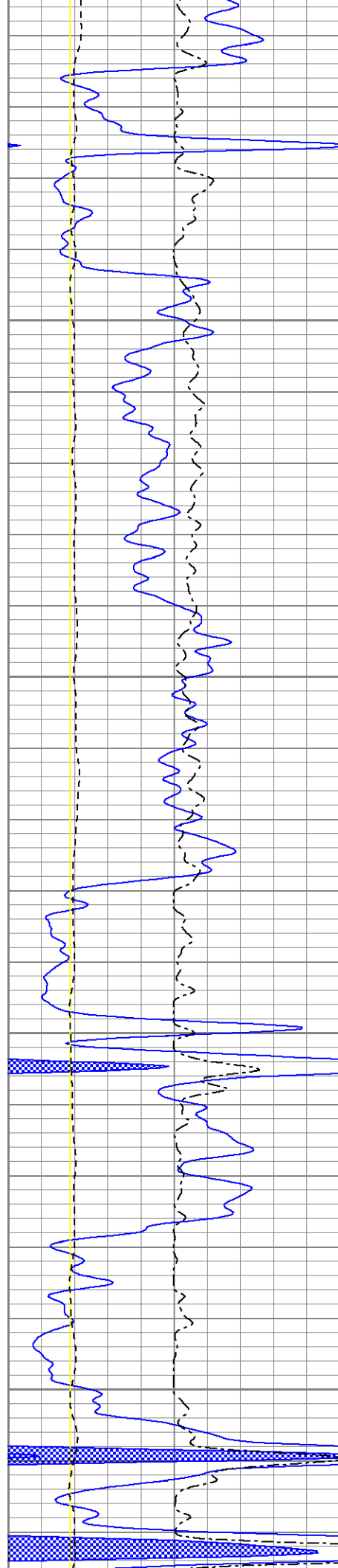


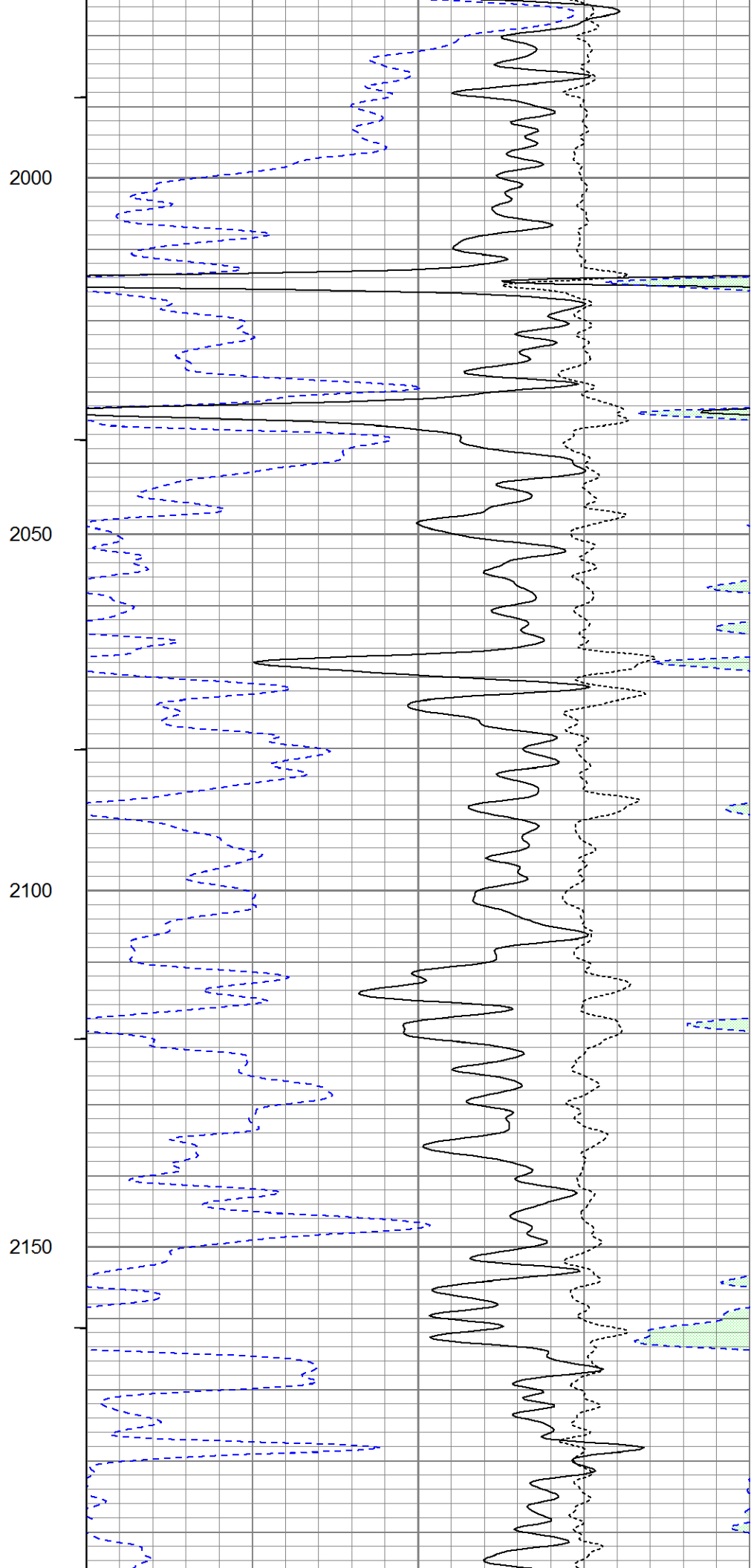
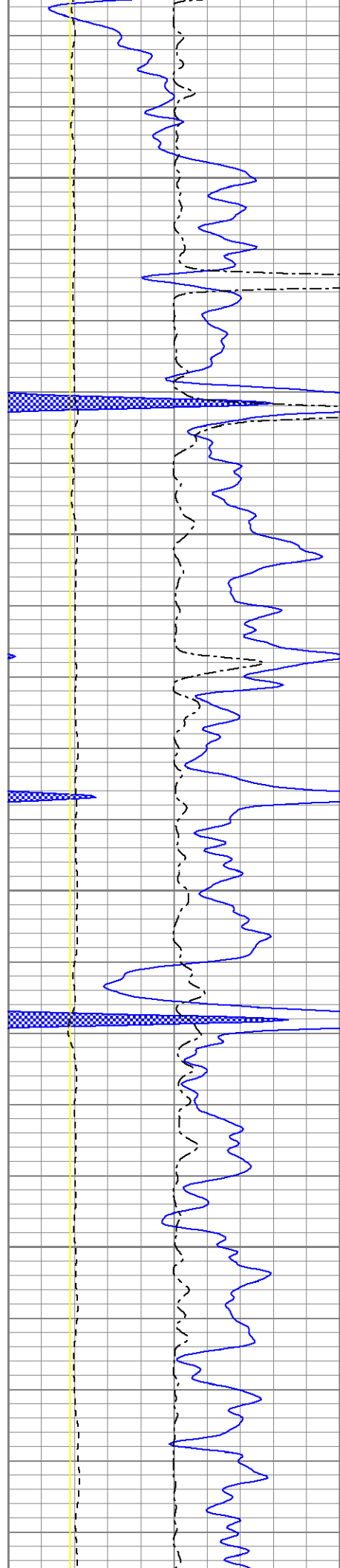


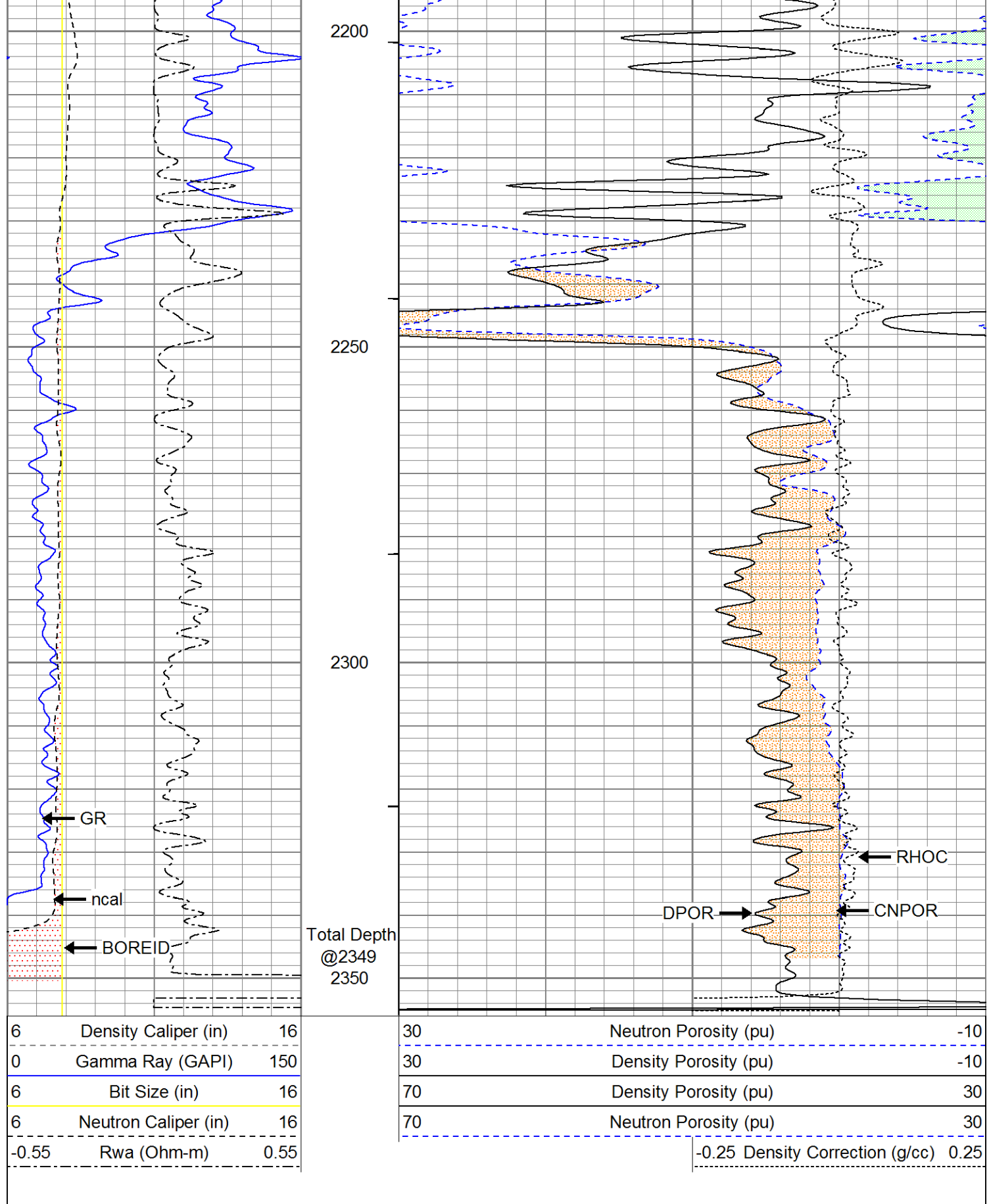








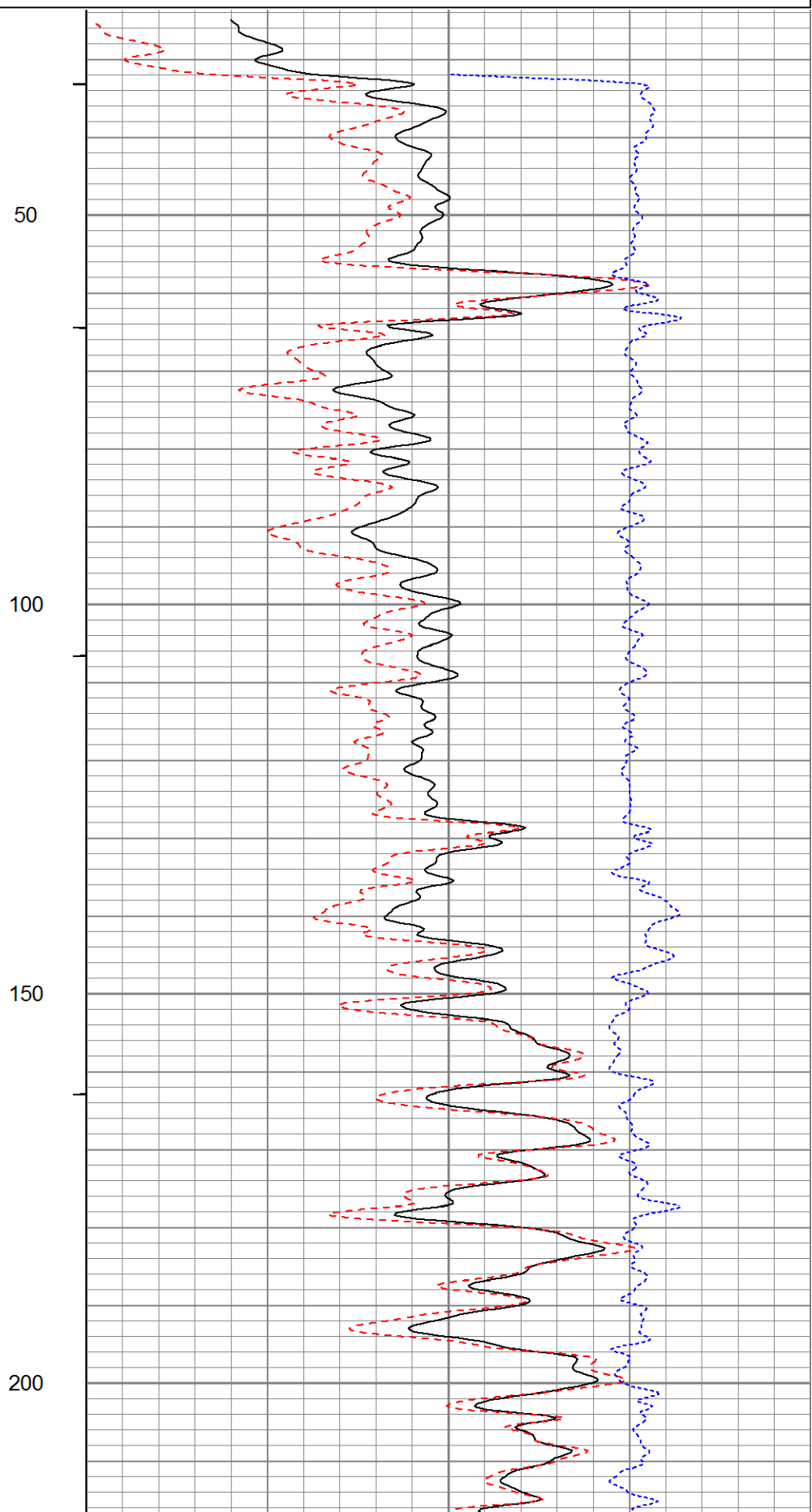
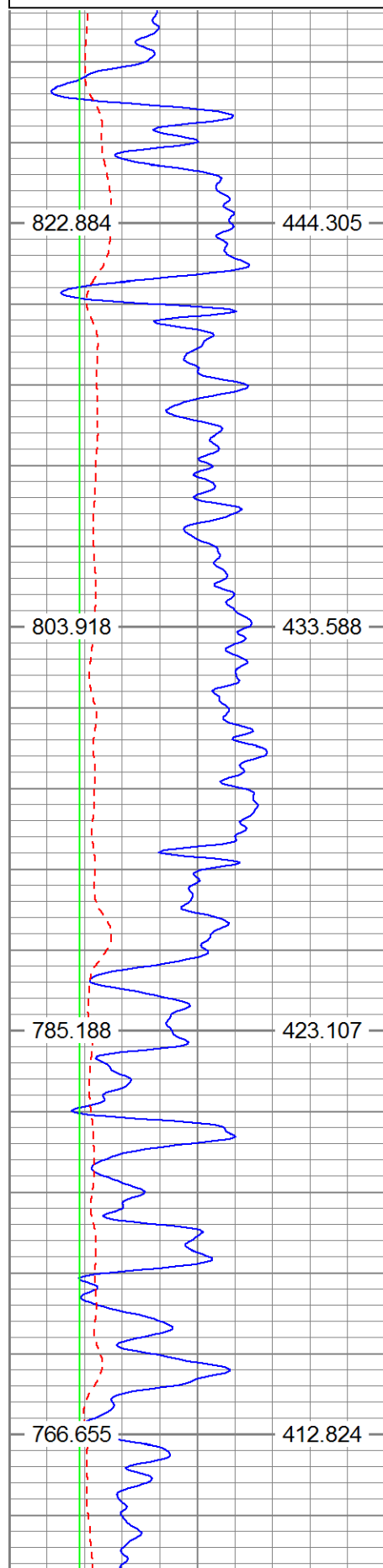


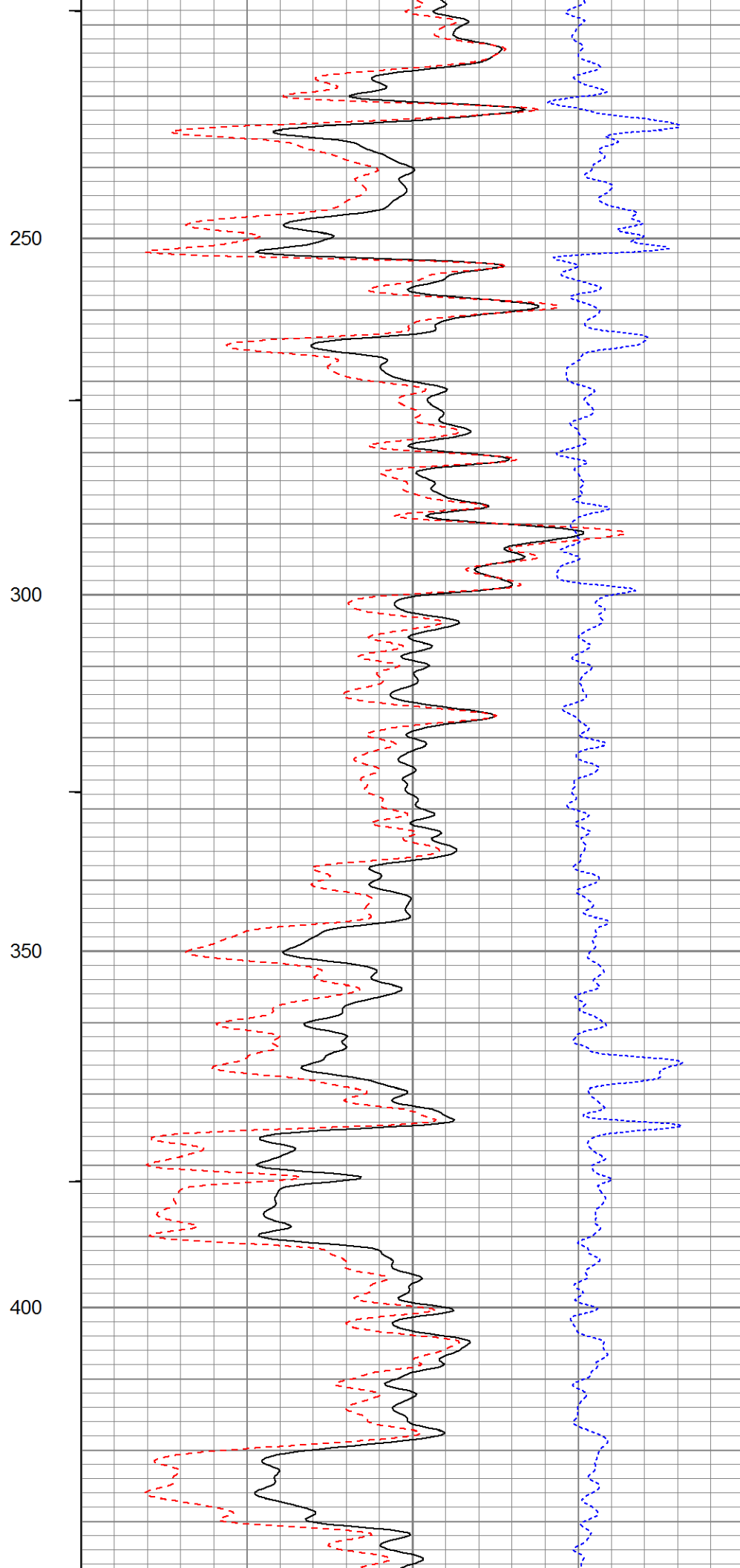
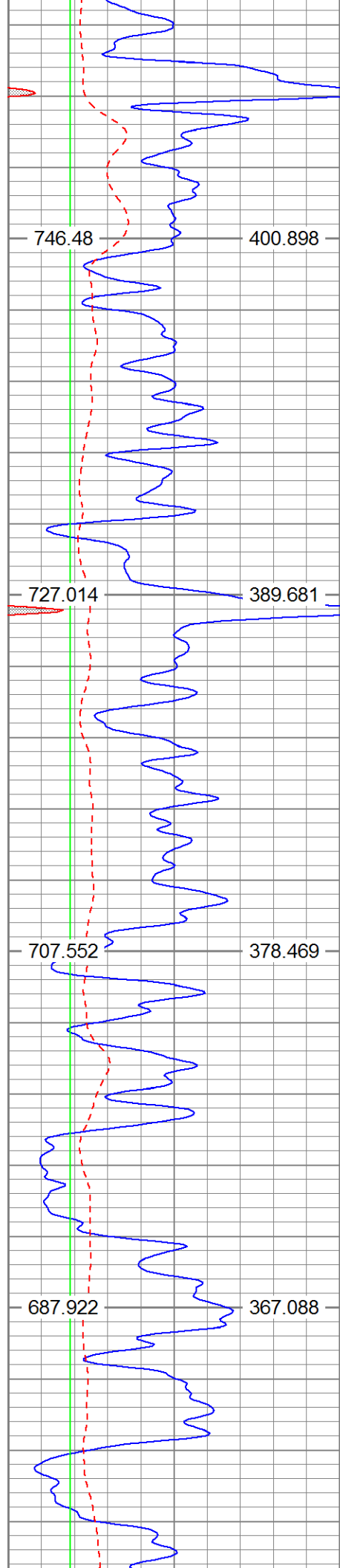


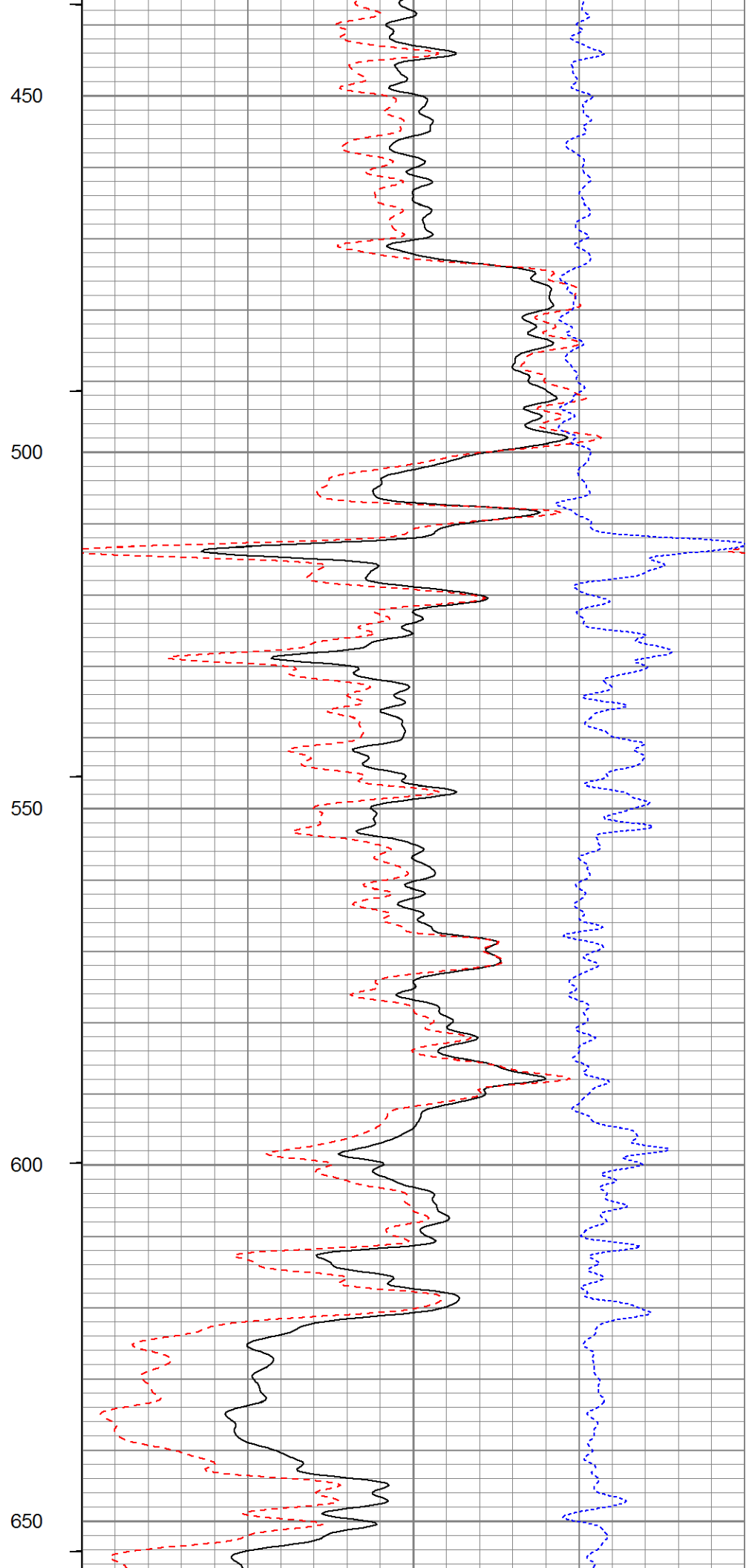
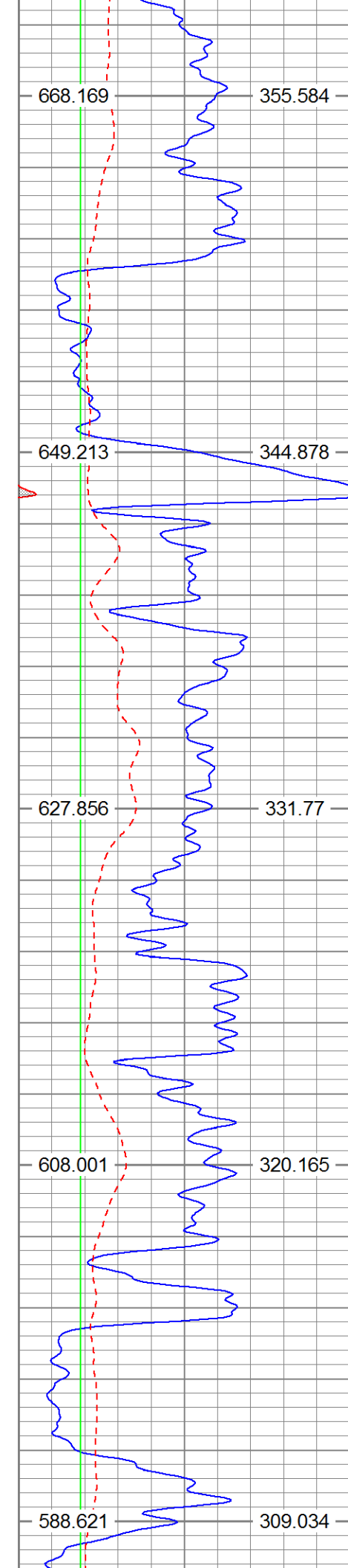
Database File: mcgowan4375.db
 Dataset Pathname: run2/pass2.1
 Presentation Format: dens
 Dataset Creation: Mon Dec 16 05:29:55 2013 by Calc Open-Cased 081212
 Charted by: Depth in Feet scaled 1:240

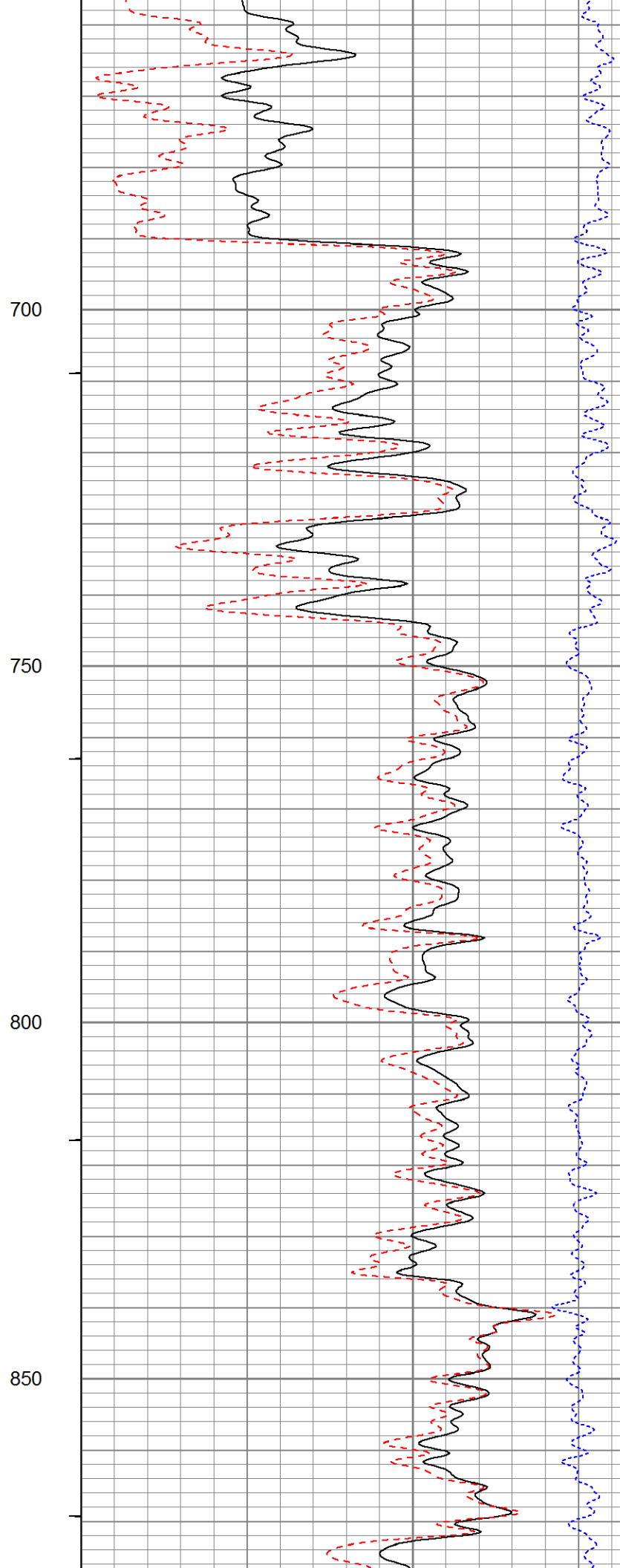
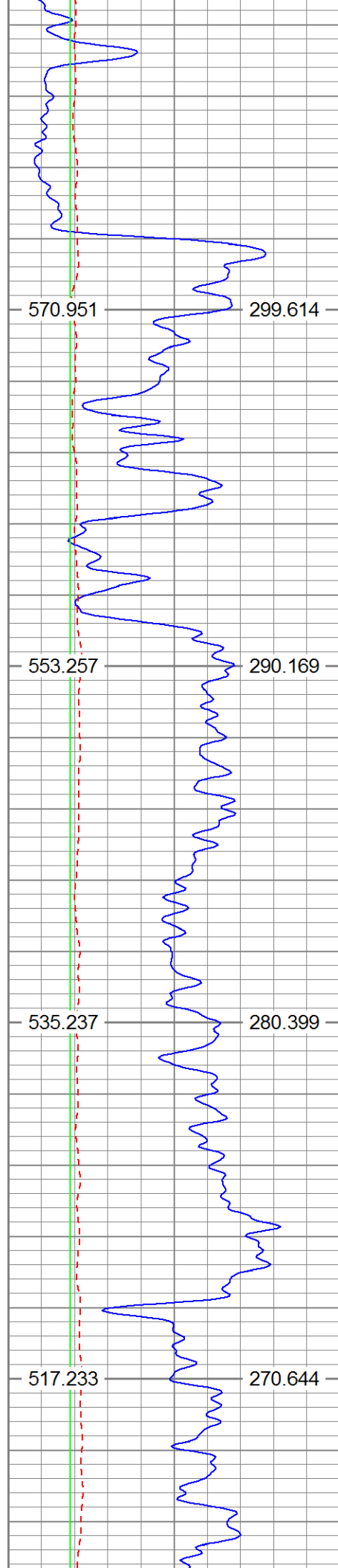
6	Density (x) Caliper (in)	16
6	Bit Size (in)	16
6	Neutron Caliper (in)	16
TBHV (ft3)	ABHV (ft3)	

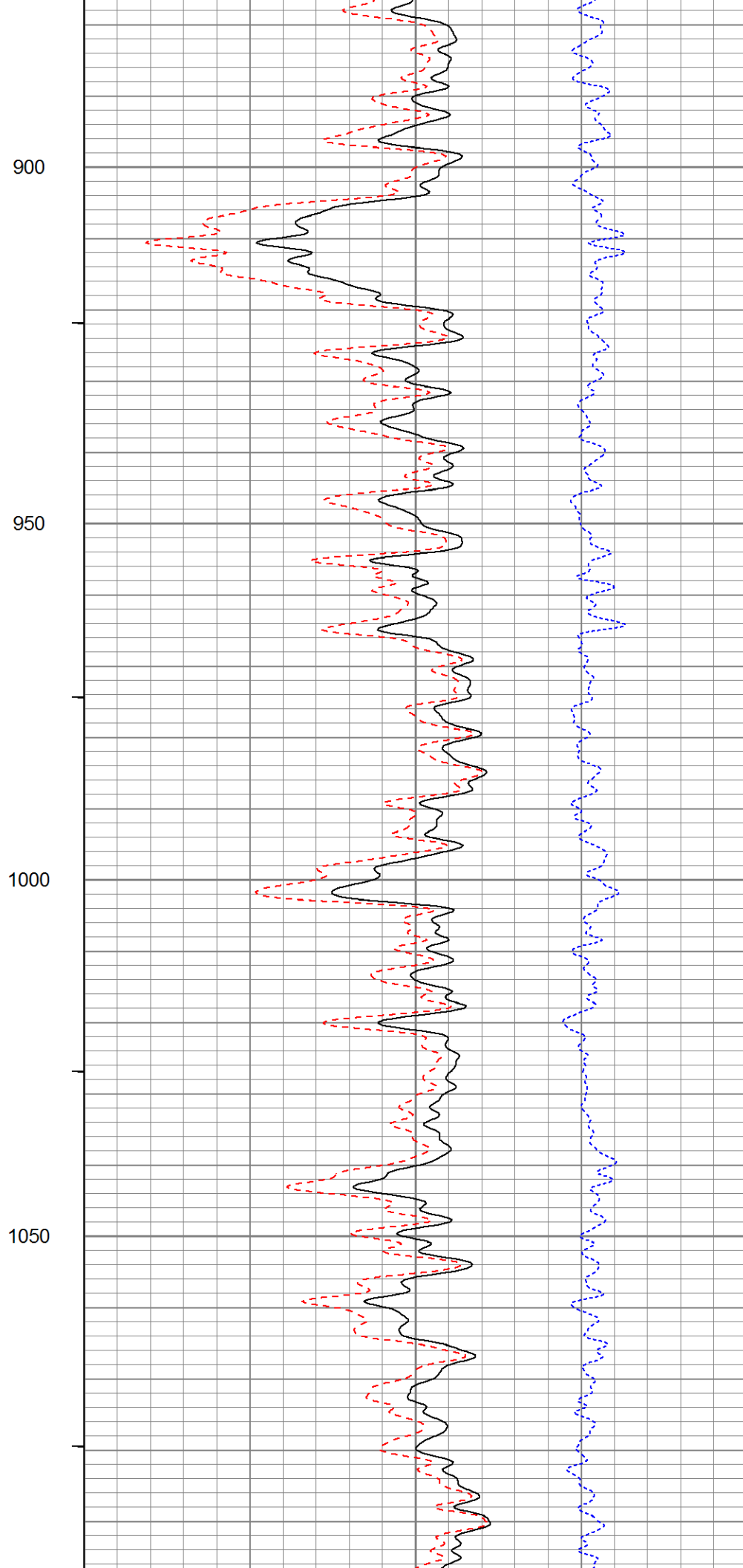
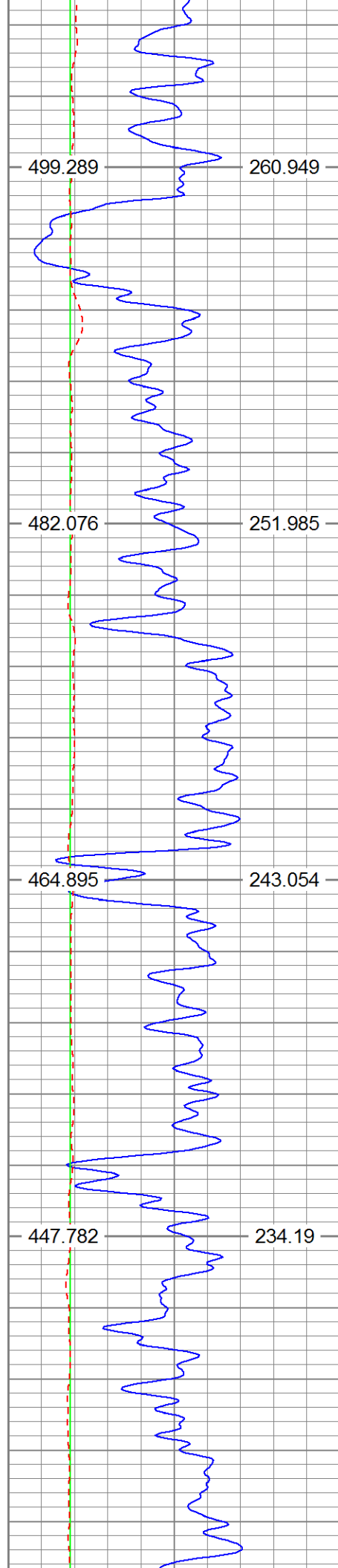
30	Density Porosity (pu)	-10
1	Bulk Density (g/cc)	2
70	Density Porosity (pu)	30
	-0.25 Density Correction (g/cc)	0.25

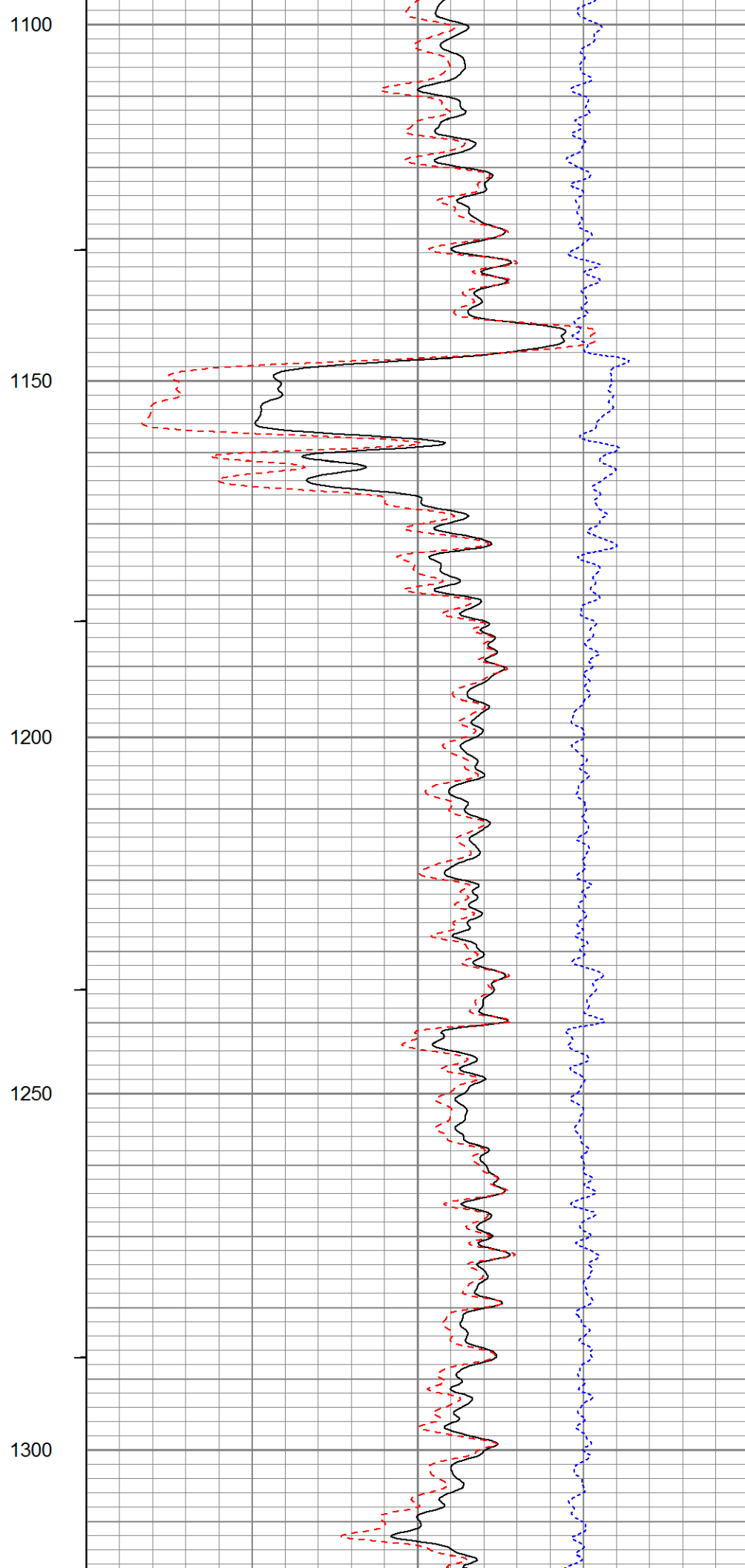
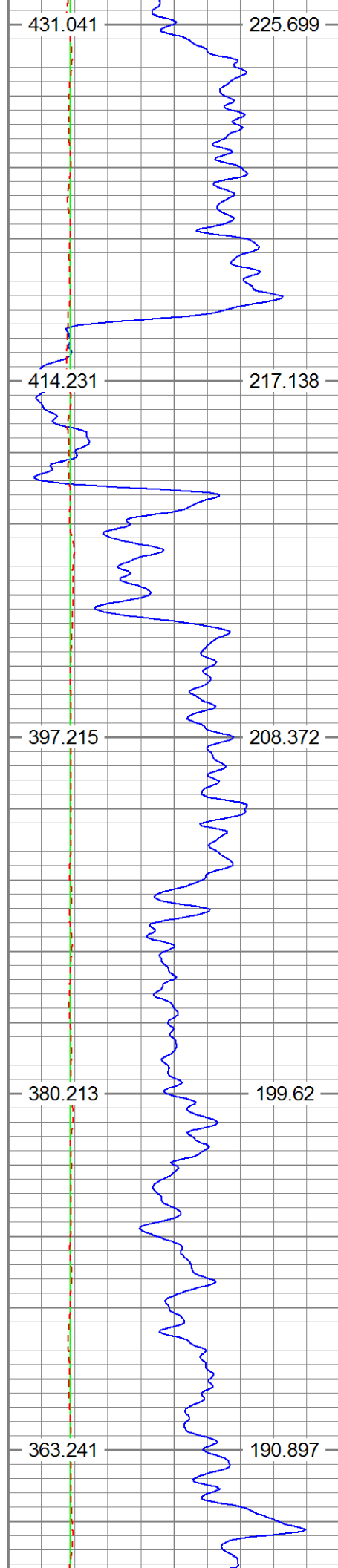


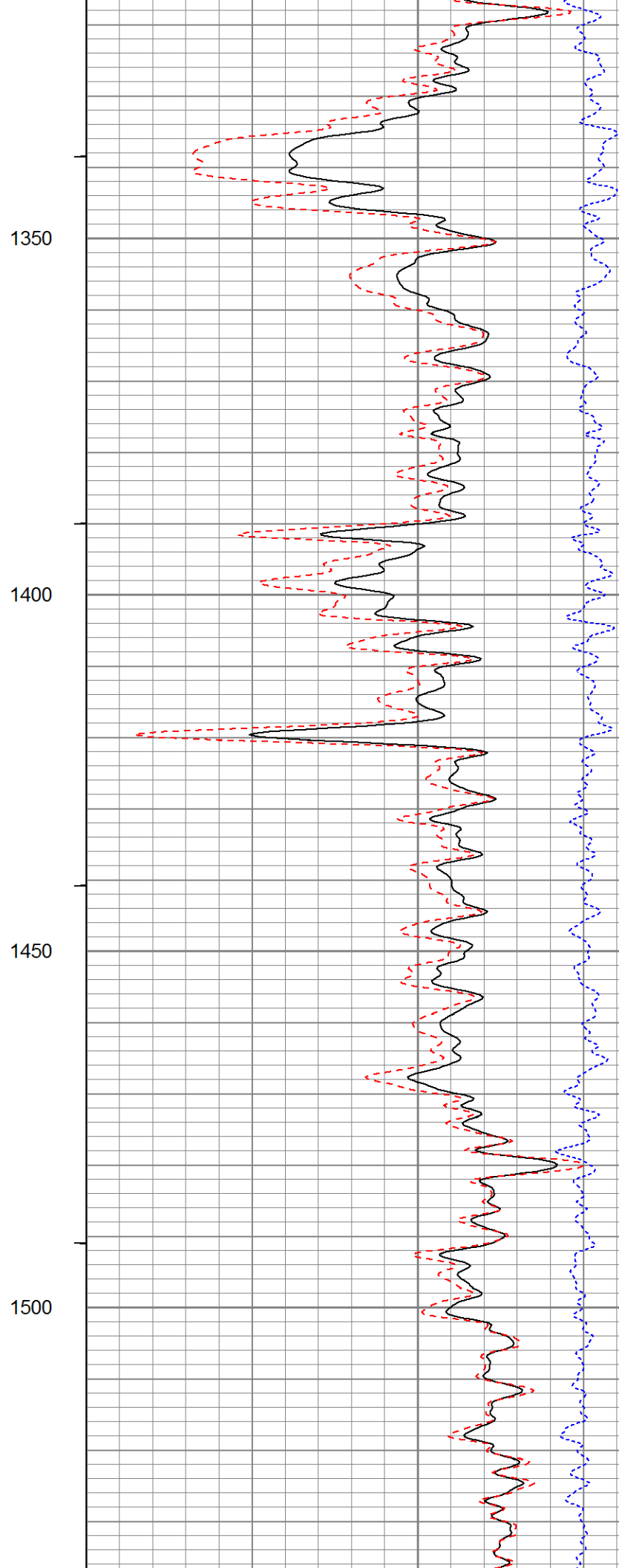
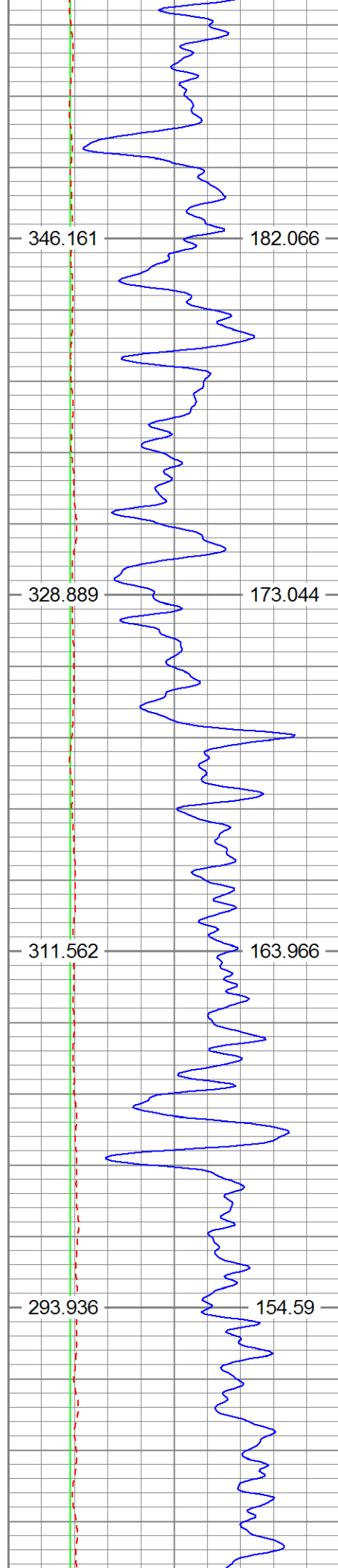


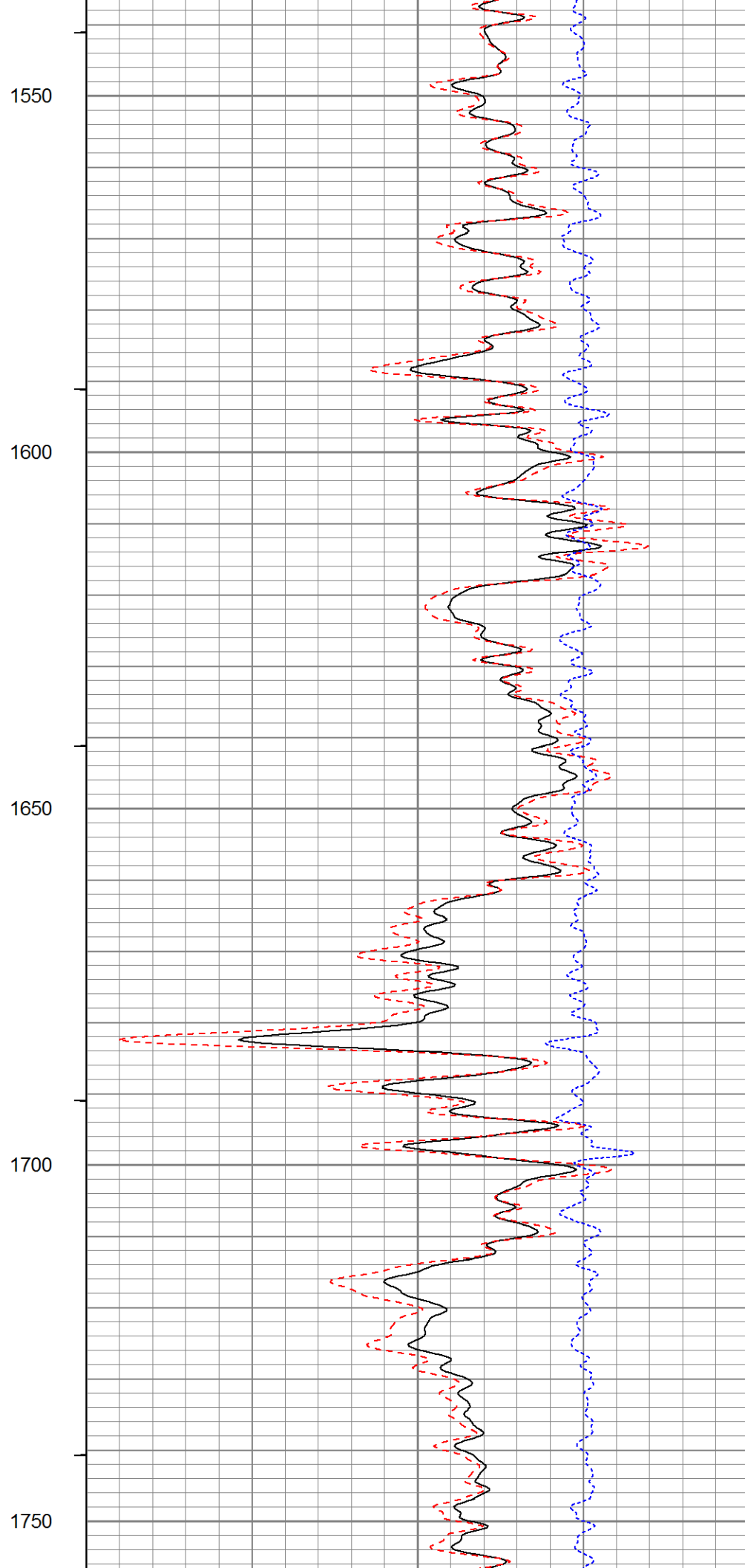
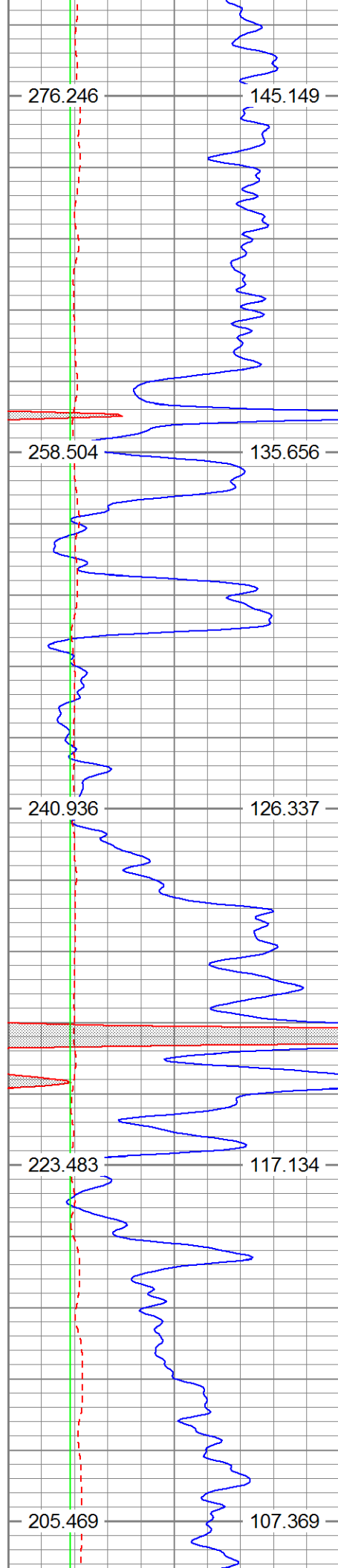


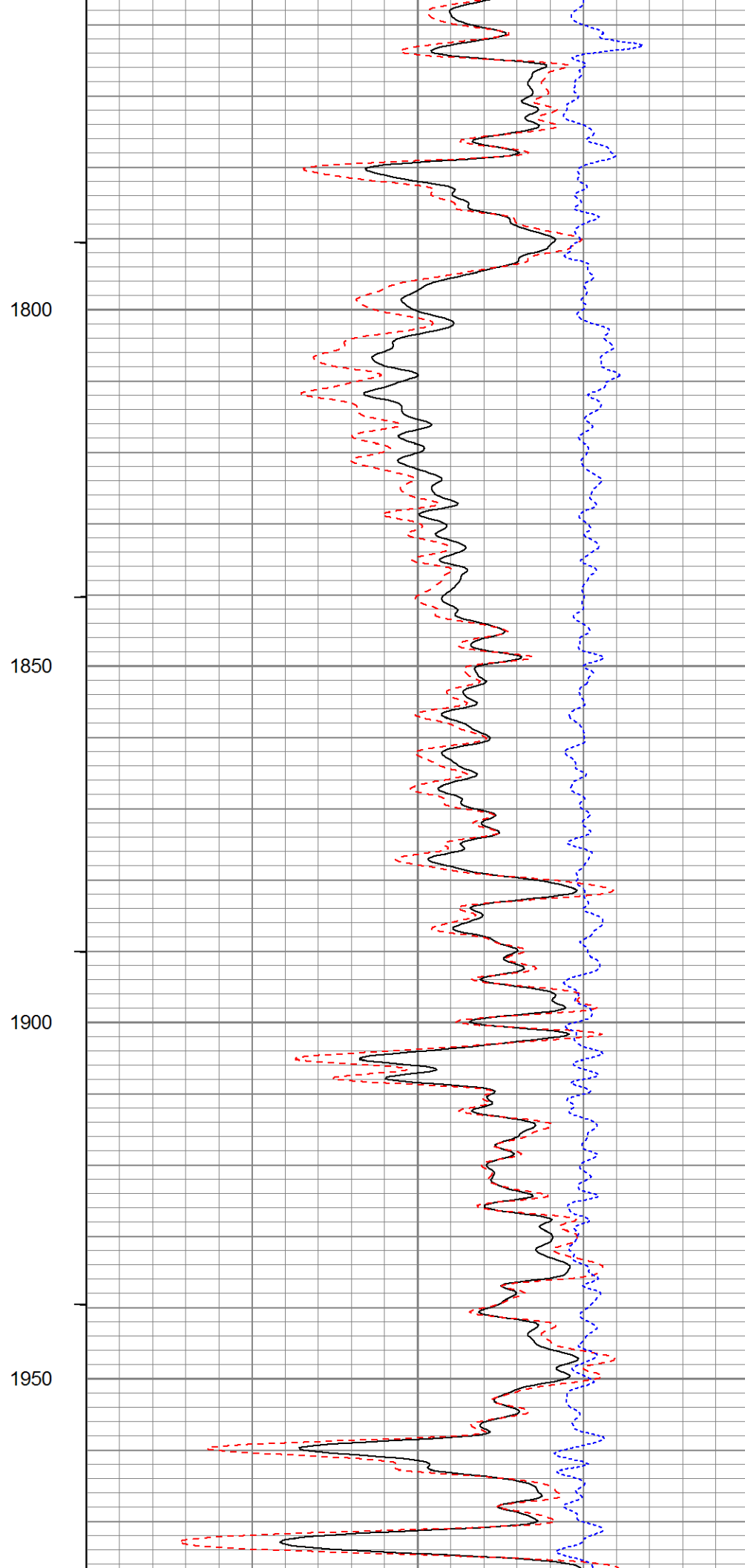
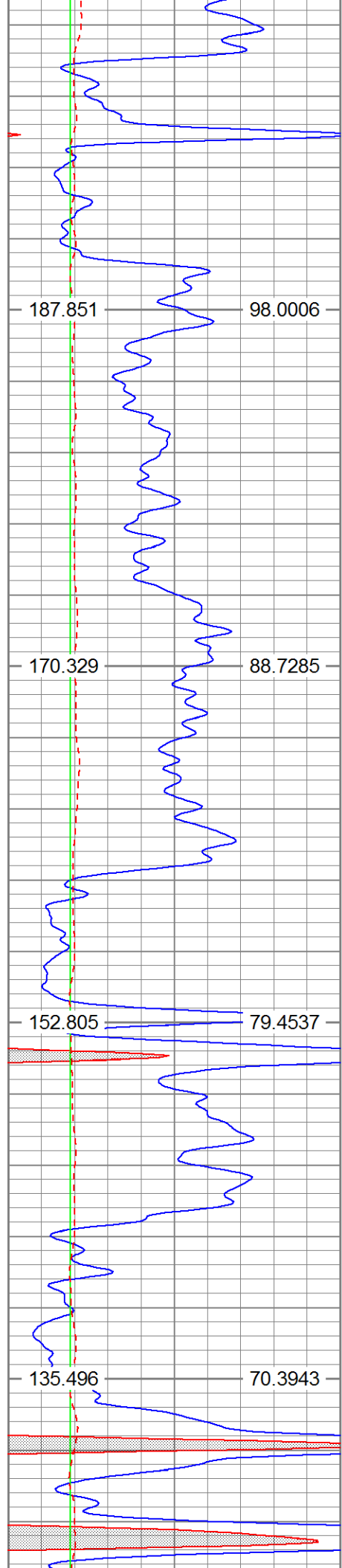


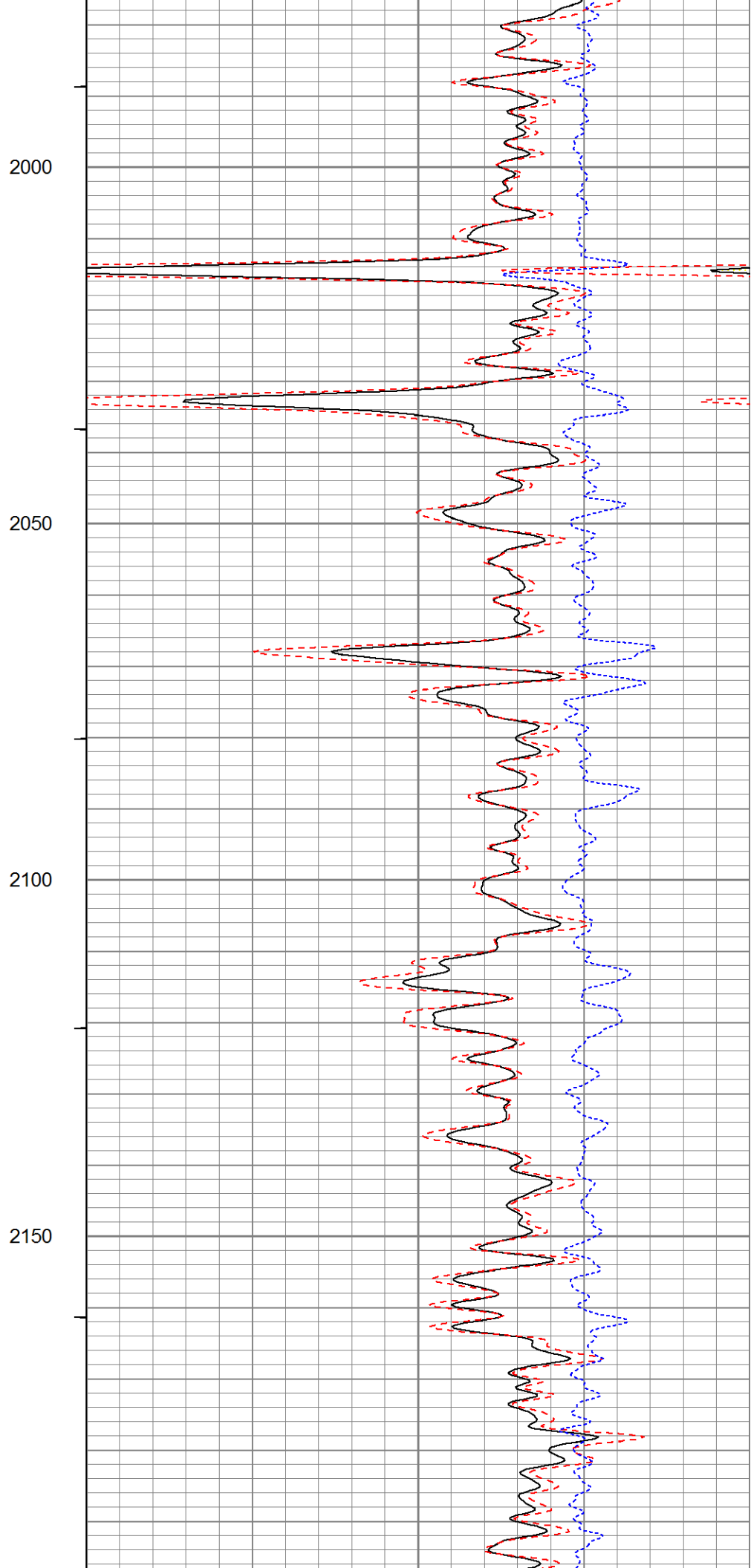
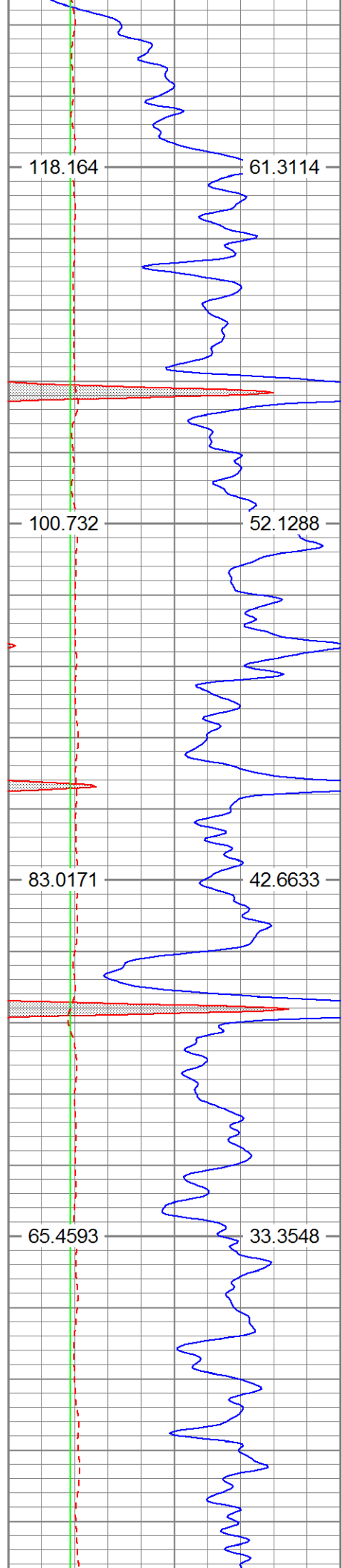












		Serial-Model:		CDL-002-DLI	
		Source / Verifier:		/	
		Master Calibration Performed:		Mon Jun 17 17:52:01 2013	
		Before Survey Verification Performed:			
		After Survey Verification Performed:			
Master Calibration					
		<u>Density</u>		<u>Far Detector</u>	<u>Near Detector</u>
Magnesium		1.755	g/cc	2053.36	7546.21 cps
Aluminum		2.600	g/cc	442.36	4419.94 cps
		Spine Angle = 70.79		Density/Spine Ratio = 0.520	
		<u>Size</u>		<u>Reading</u>	
Small Ring		8.20	in	0.40	
Large Ring		12.00	in	0.57	
Before Survey Verification					
		<u>Target</u>		<u>Measured</u>	
			g/cc		g/cc
			g/cc		g/cc
			g/cc		g/cc
After Survey Verification					
		<u>Target</u>		<u>Measured</u>	
			g/cc		g/cc
			g/cc		g/cc
			g/cc		g/cc
Compensated Neutron Calibration Report					
		Serial Number:		BCN_001	
		Tool Model:		DLI	
CALIBRATION					
	Detector	Readings		Target	Normalization
	Short Space	1.00	cps	1.00 cps	1.0000
	Long Space	1.00	cps	1.00 cps	1.0000
PRE-SURVEY VERIFICATION					
	Detector	Readings		Measured	Target
1)	Short Space		cps		
	Long Space		cps	pu	pu
2)	Short Space		cps		
	Long Space		cps	pu	
3)	Short Space		cps		
	Long Space		cps	pu	
POST-SURVEY VERIFICATION					
	Detector	Readings		Measured	Target
1)	Short Space		cps		
	Long Space		cps	pu	pu
2)	Short Space		cps		

	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu

Gamma Ray Calibration Report				
Serial Number:		GR_001		
Tool Model:		DLI		
Performed:		Thu Jun 06 09:55:54 2013		
Calibrator Value:		1.0	GAPI	
Background Reading:		0.0	cps	
Calibrator Reading:		1.0	cps	
Sensitivity:		0.5000	GAPI/cps	