



<<< Fold Here >>>

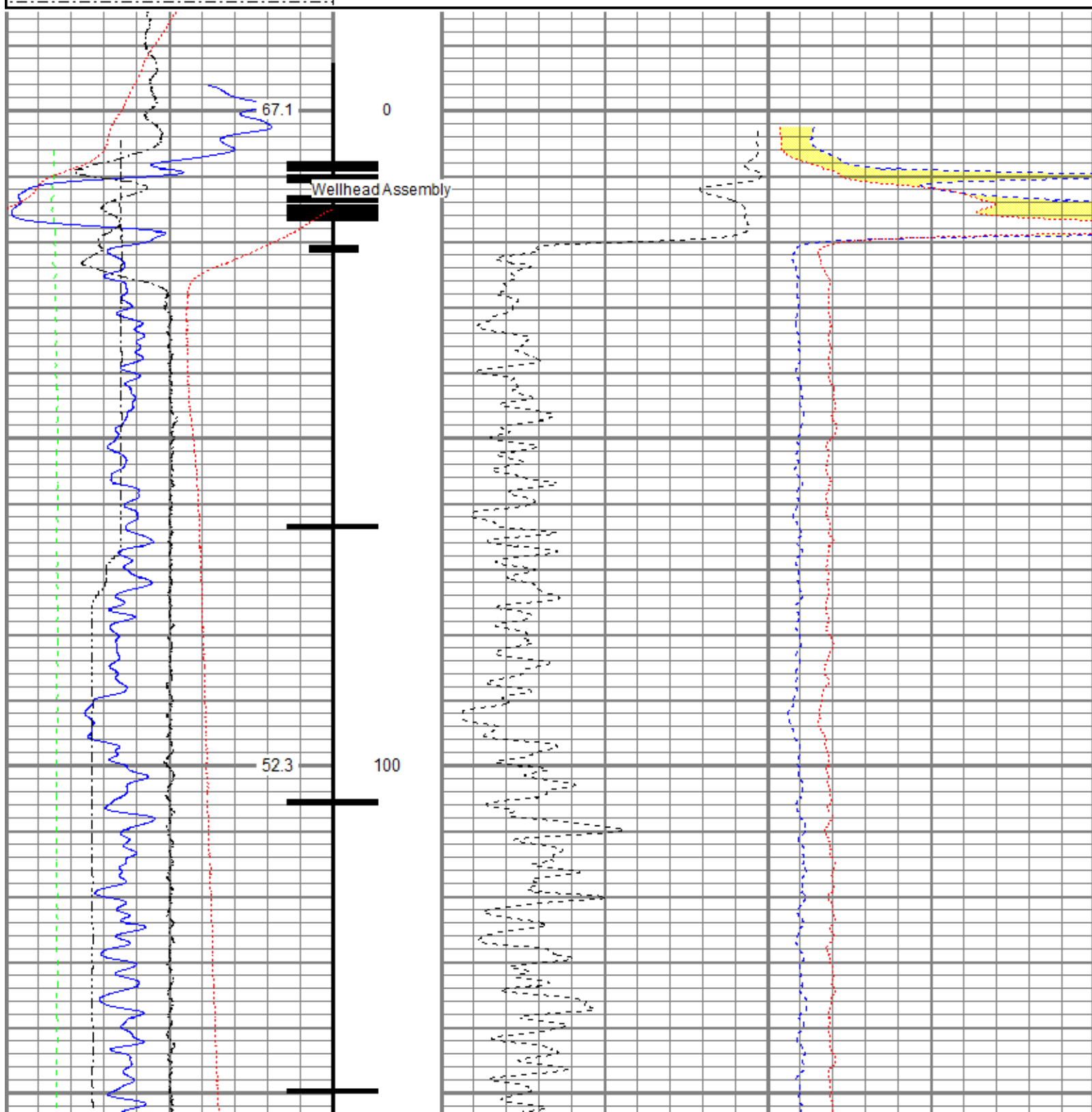
Comments

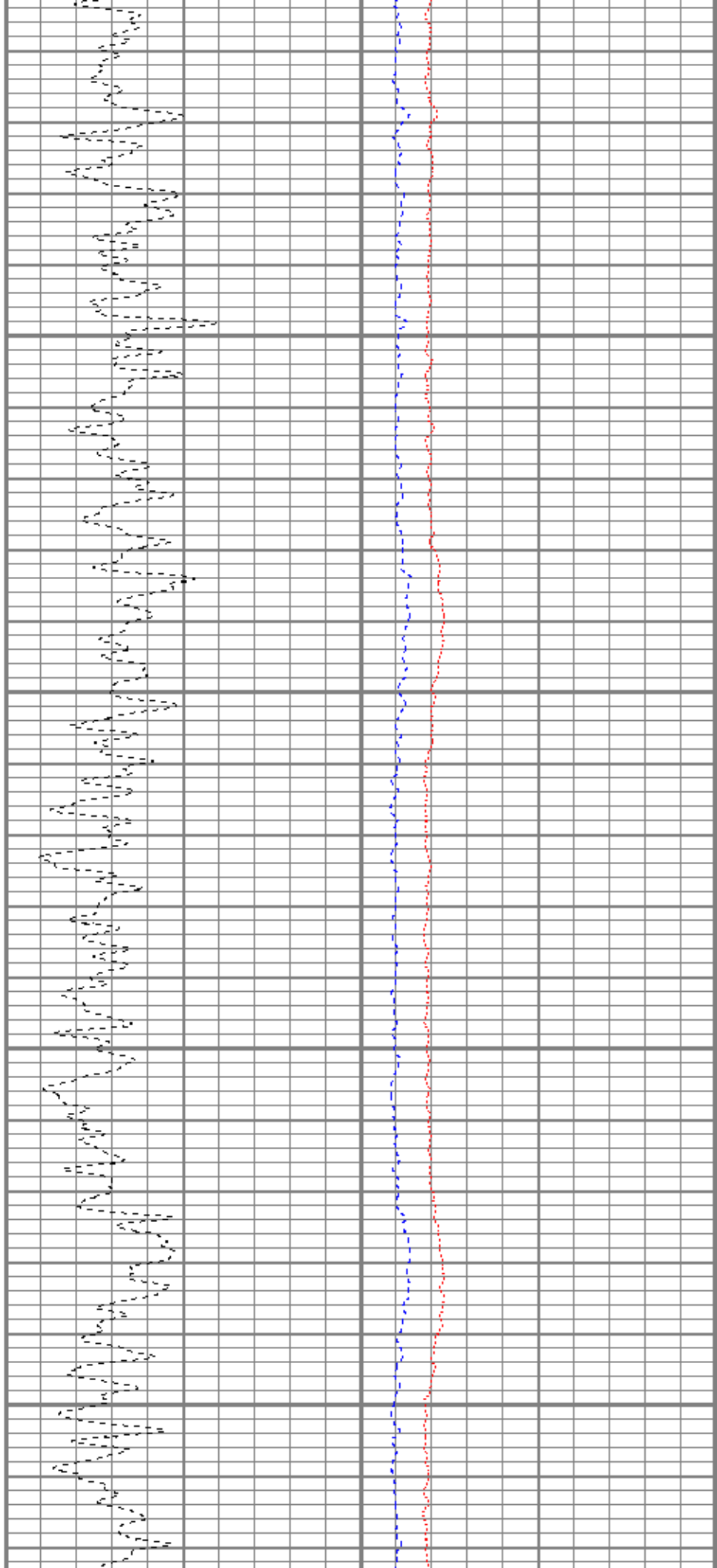
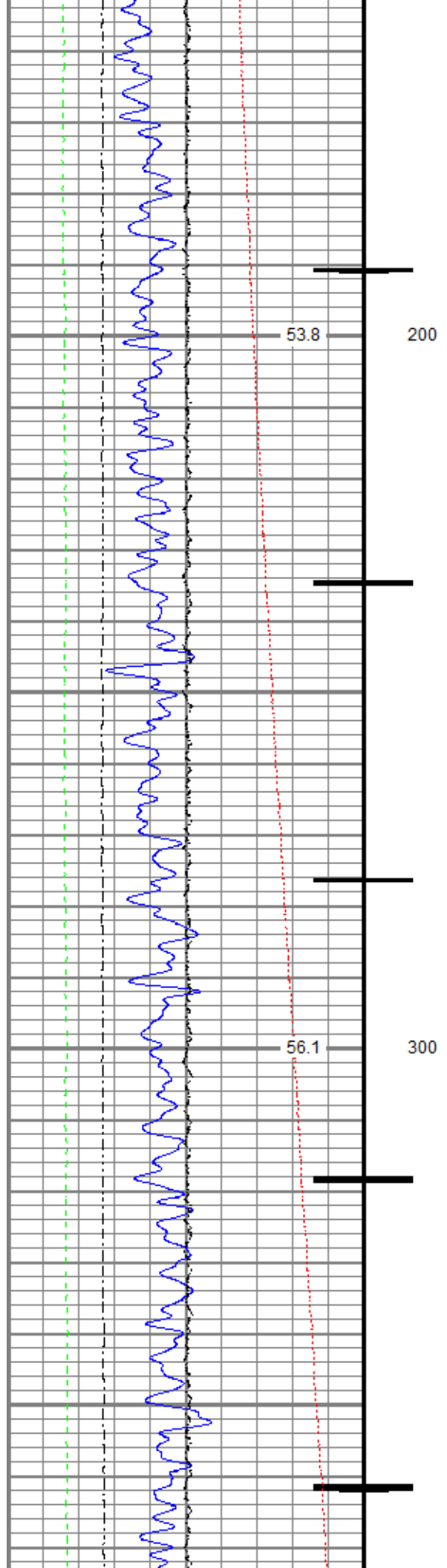
Main Pass

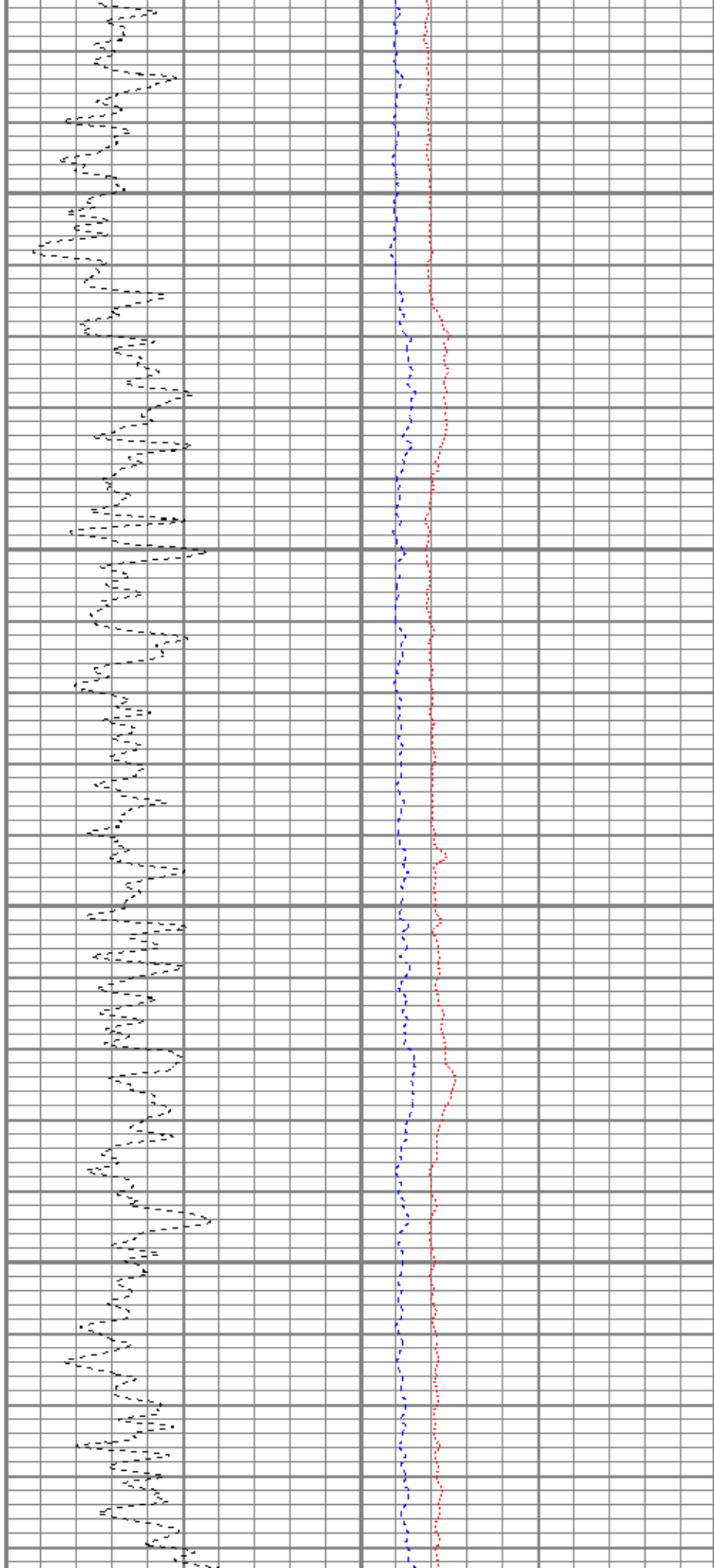
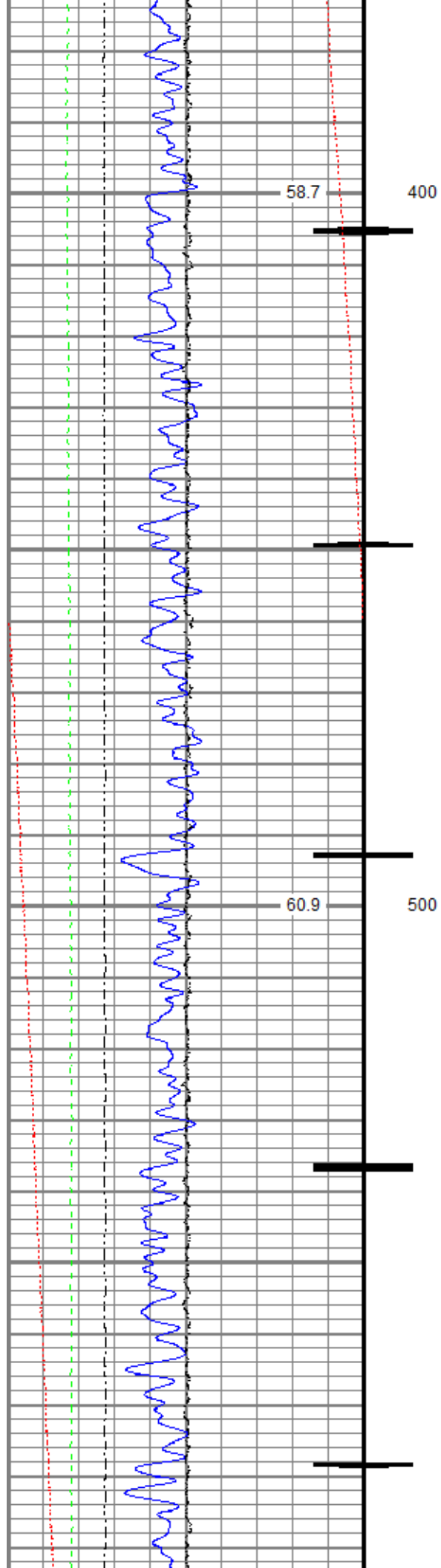
Recorded with a DSI Surface-Induced Pressure

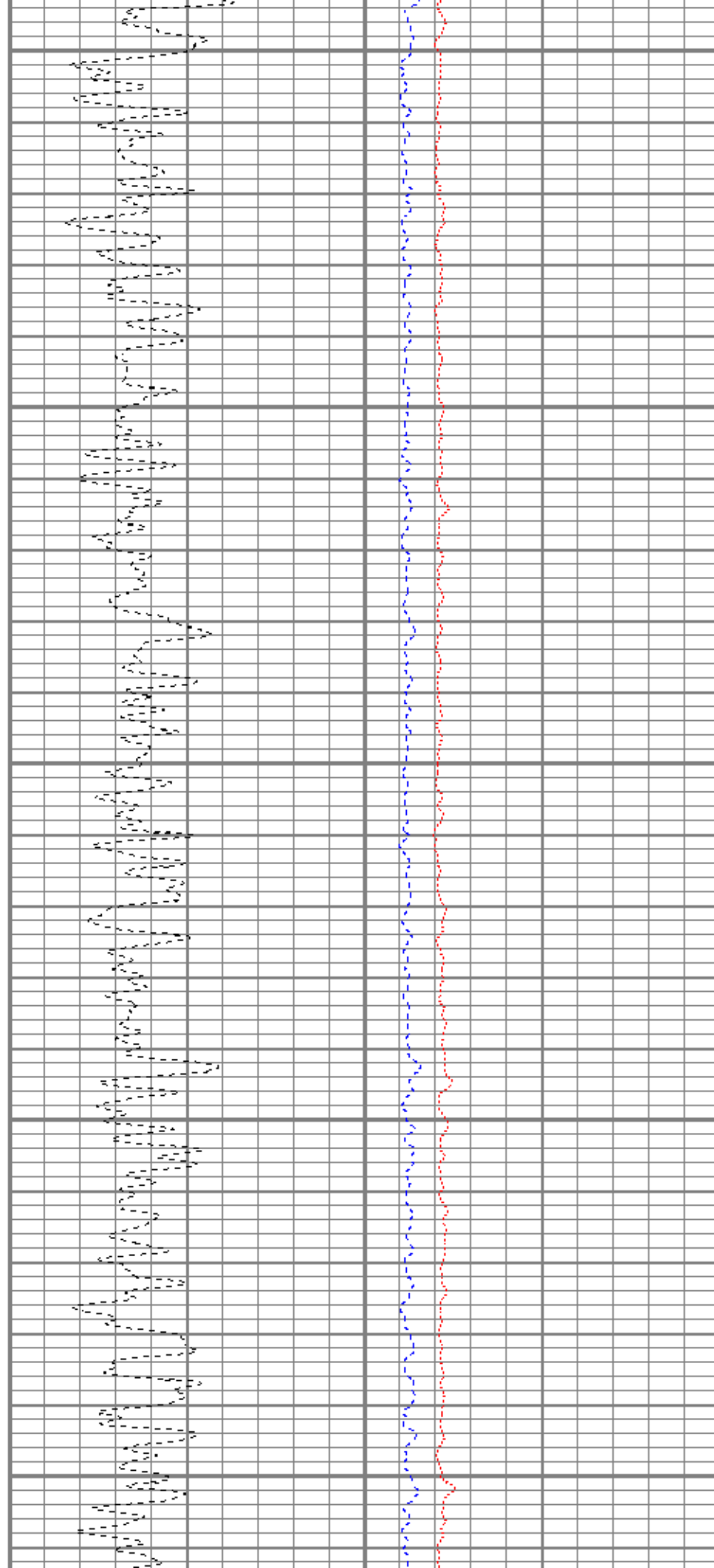
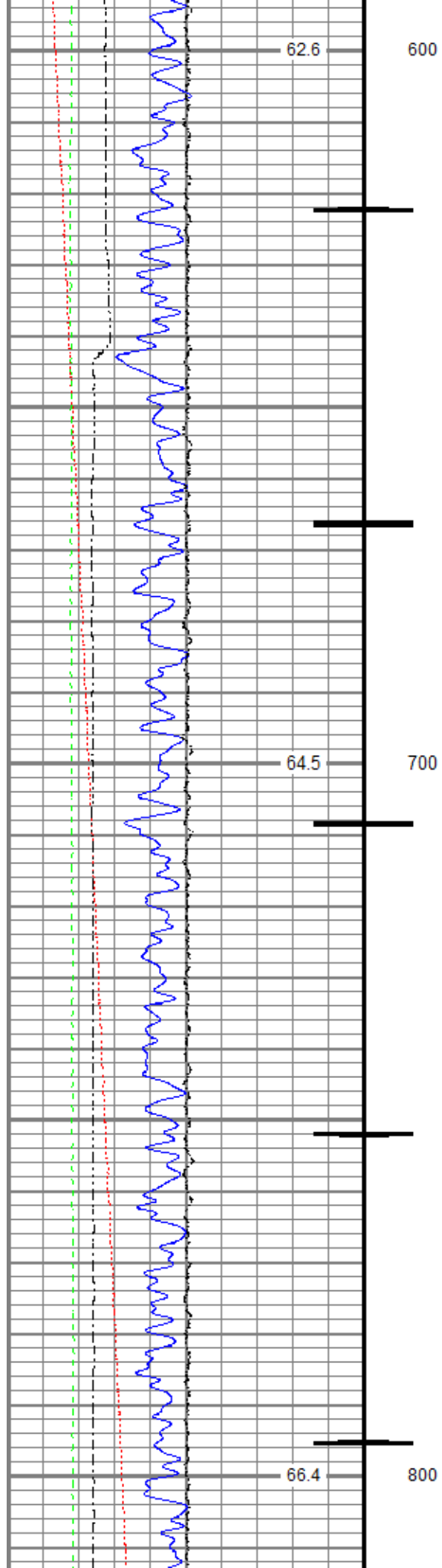
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Dataset Pathname	pass4.1
Presentation Format	ros_cnl_probe
Dataset Creation	Tue Apr 10 13:44:57 2018
Charted by	Depth in Feet scaled 1:240

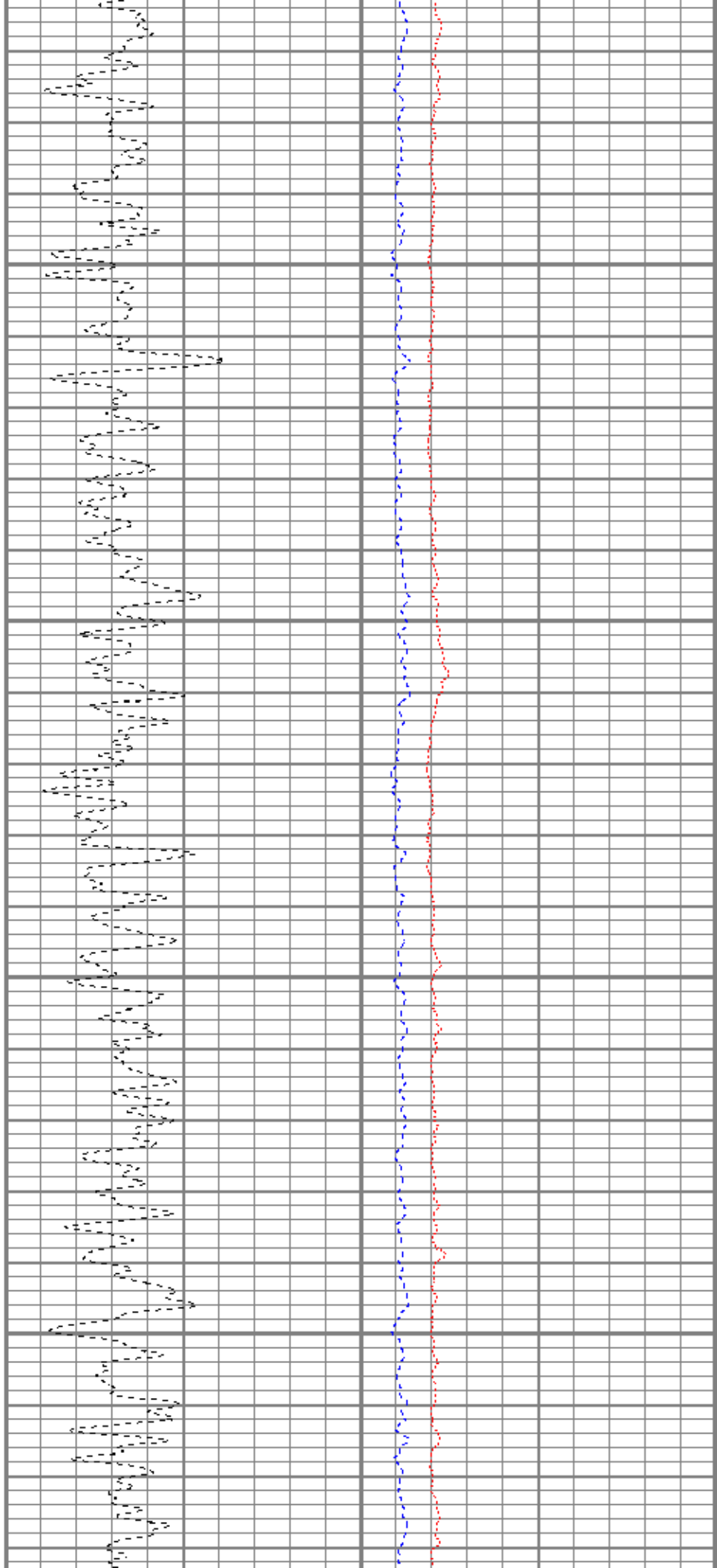
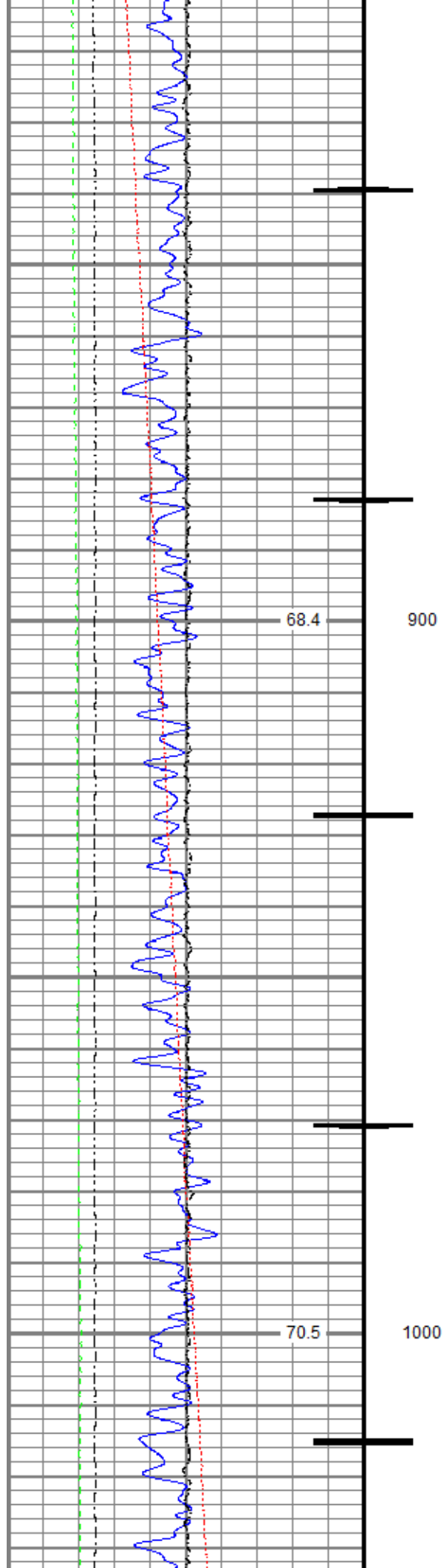
0	Gamma Ray (GAPI)	120	60	Neutron Porosity (pu)	0	0	Far Neutron (cps)	1000
Casing Collar Locator						0	Near Neutron (cps)	5000
0	Temperature (degF)	20						
-100	Line Speed (ft/min)	100						
0	Line Tension (lb)	2000						
-2	Differential Temperature (degF)	2						

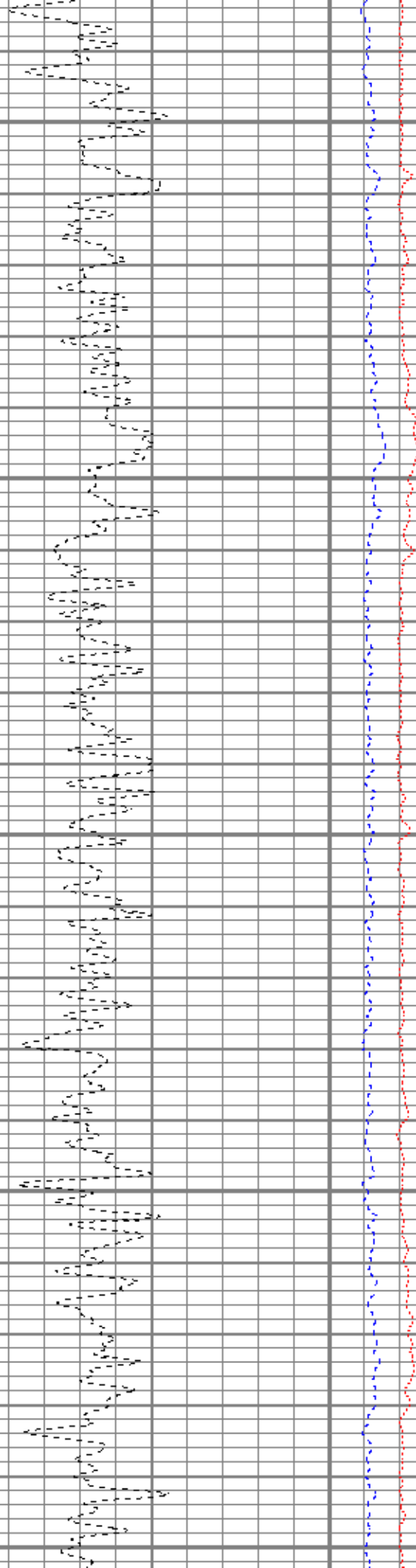
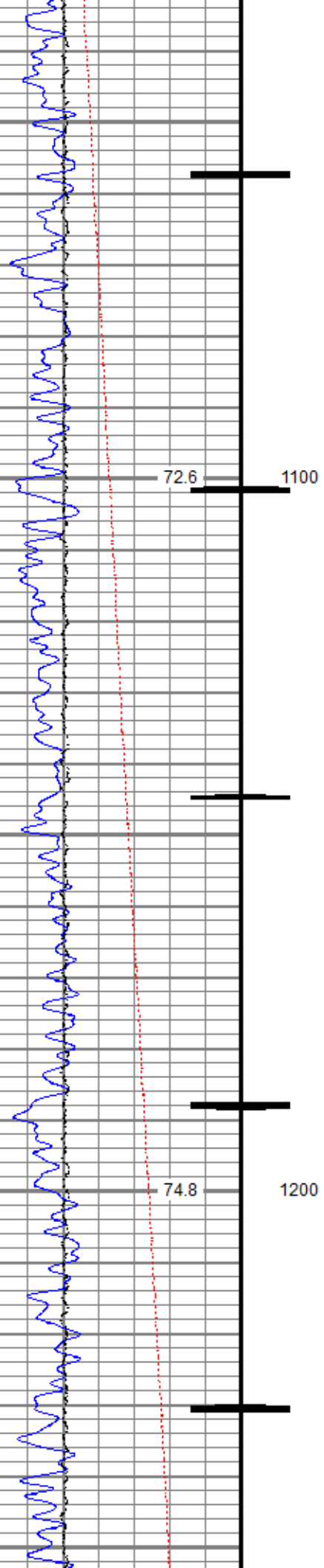


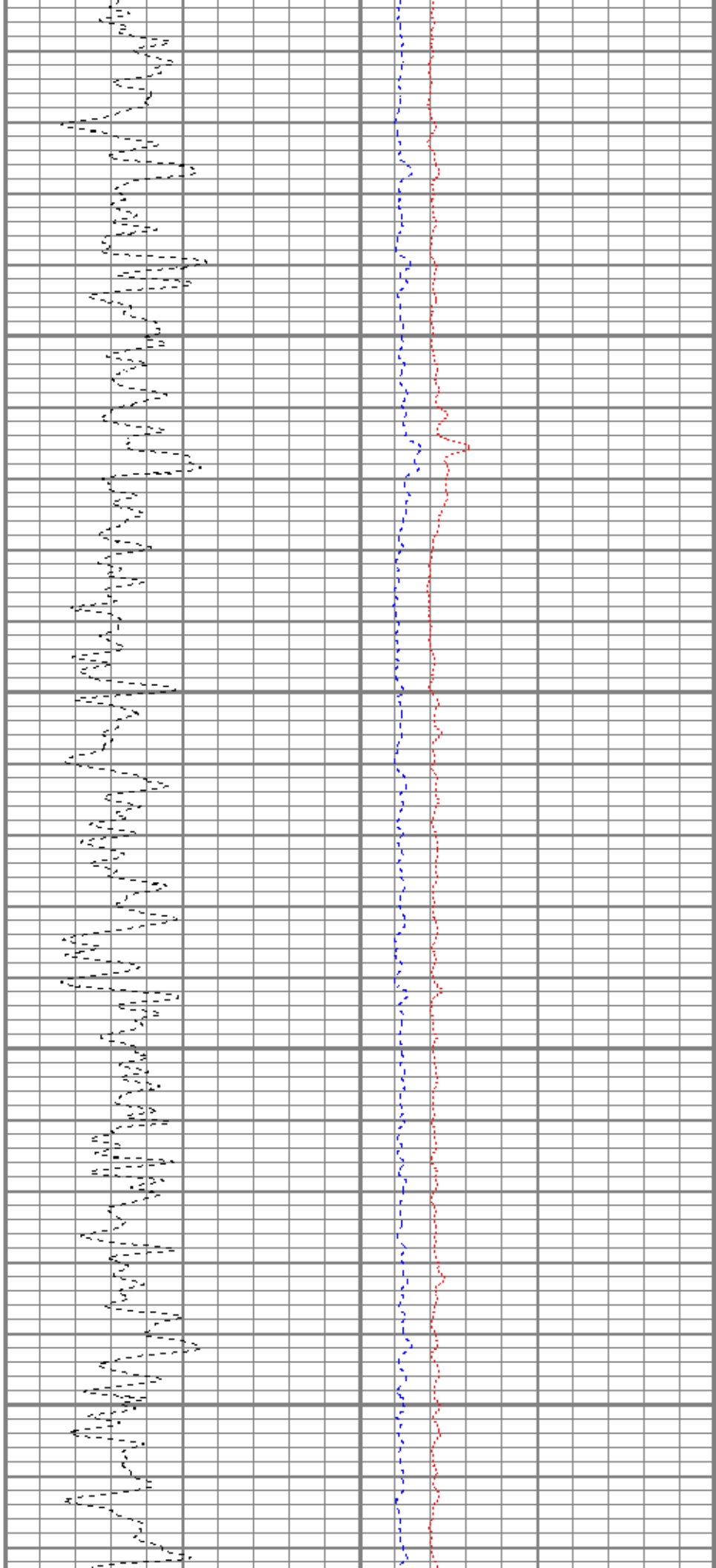
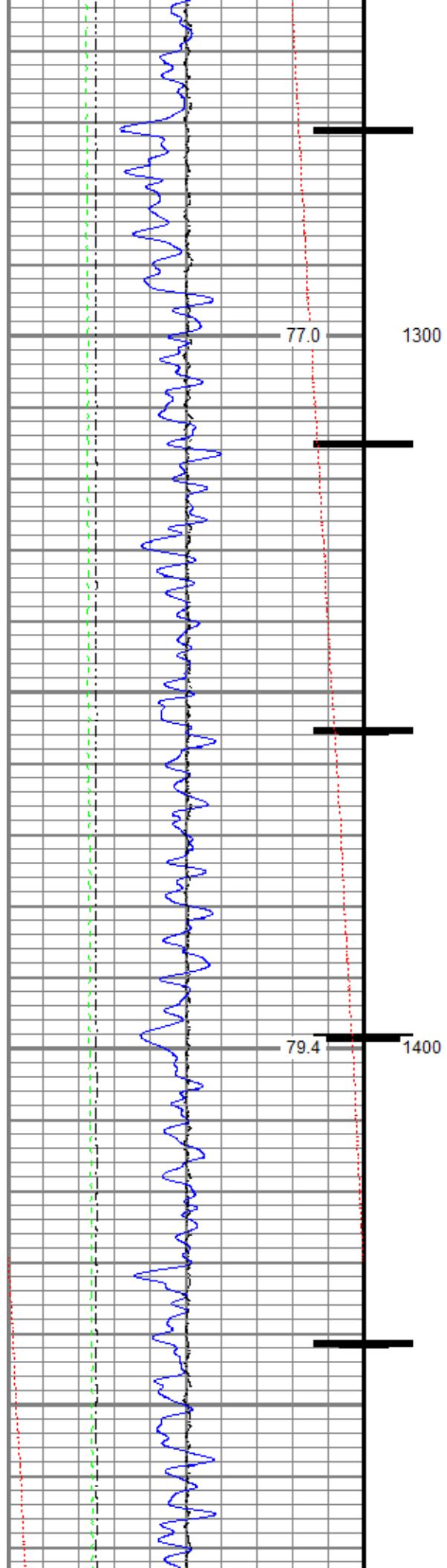


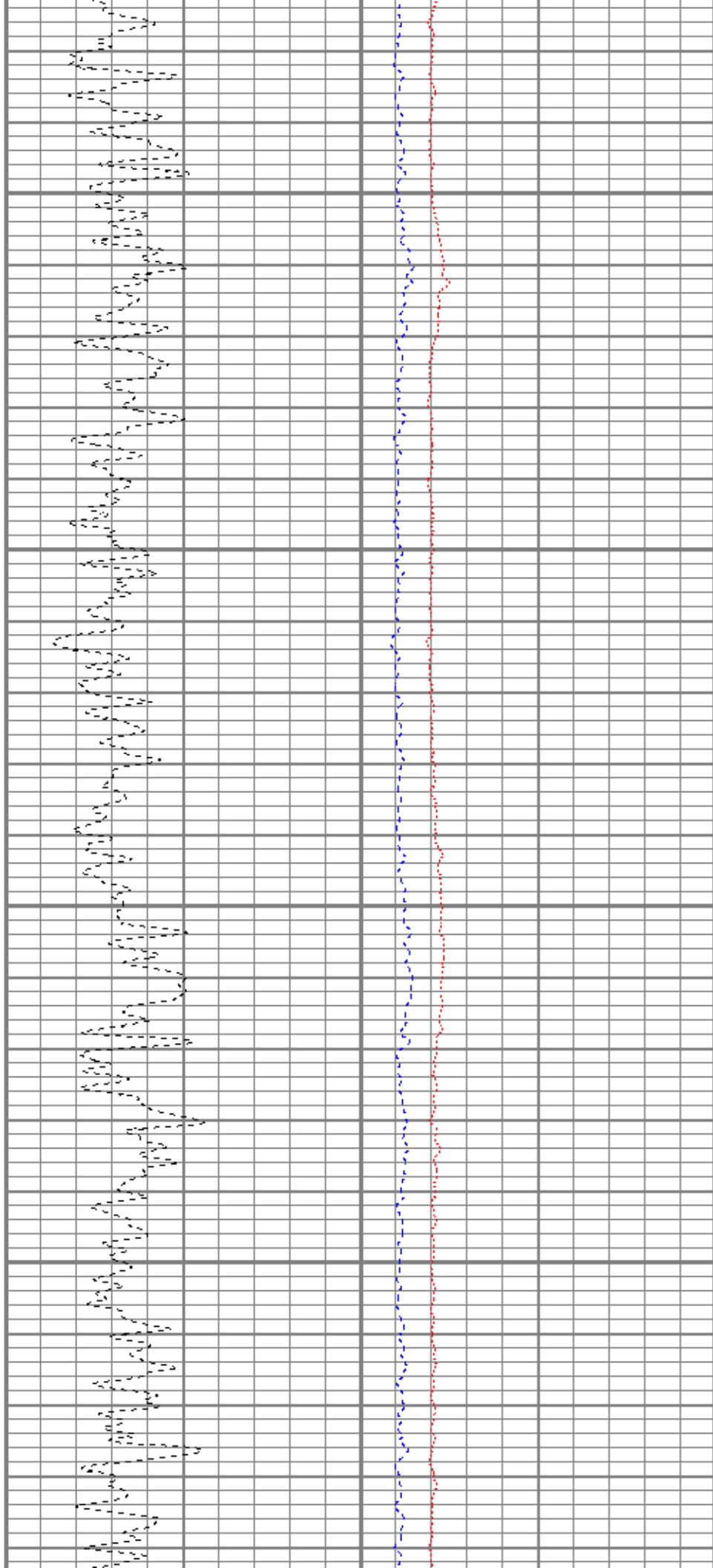
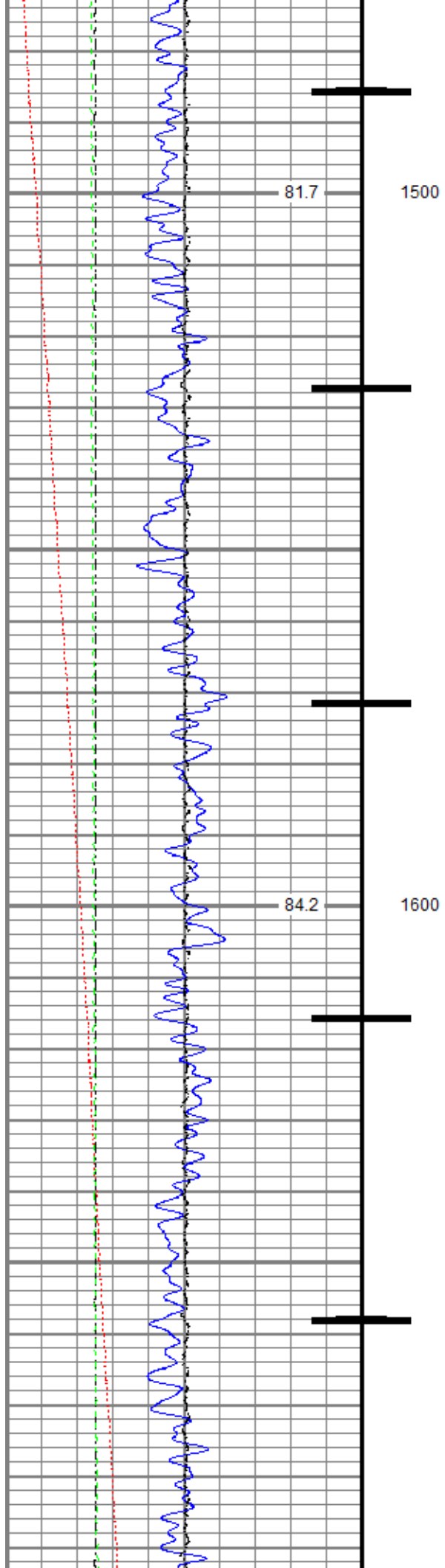


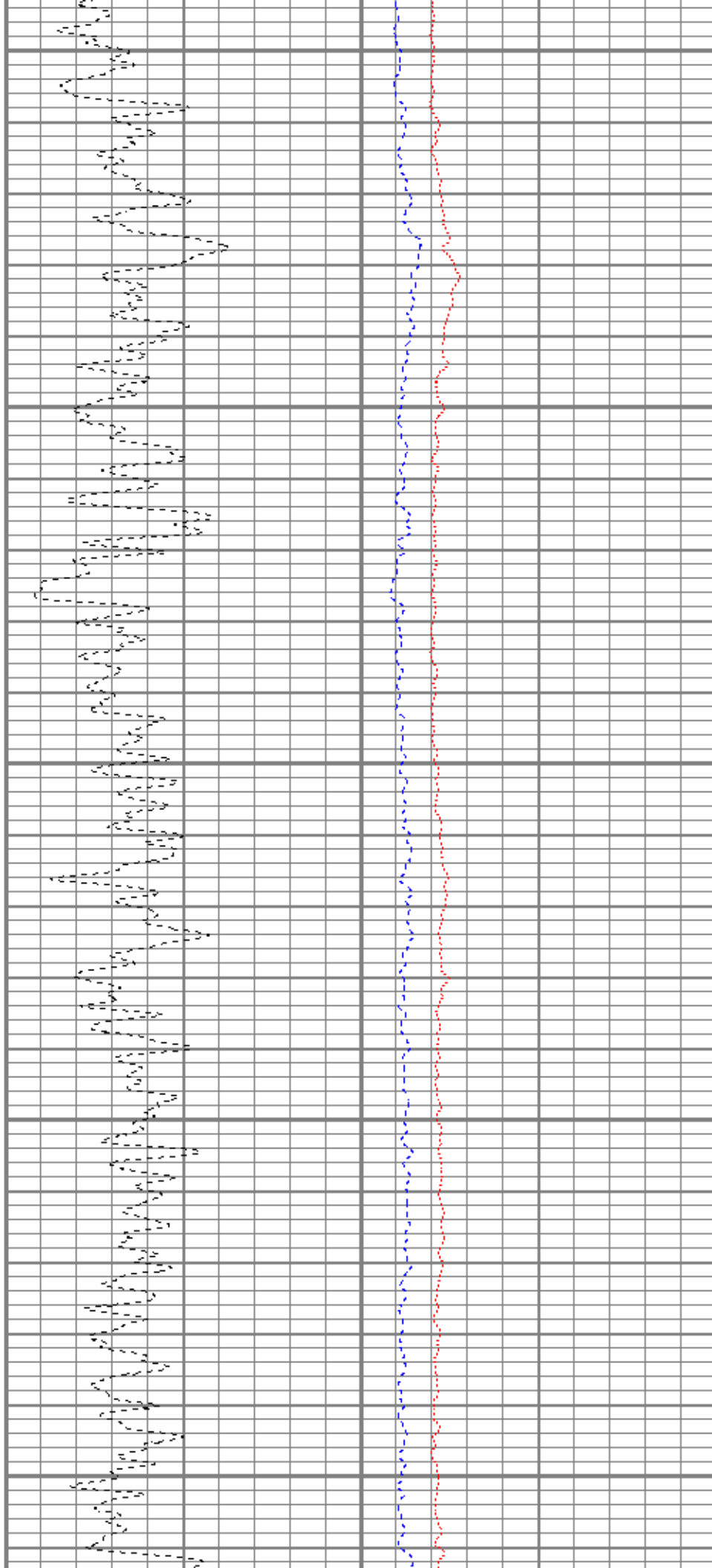
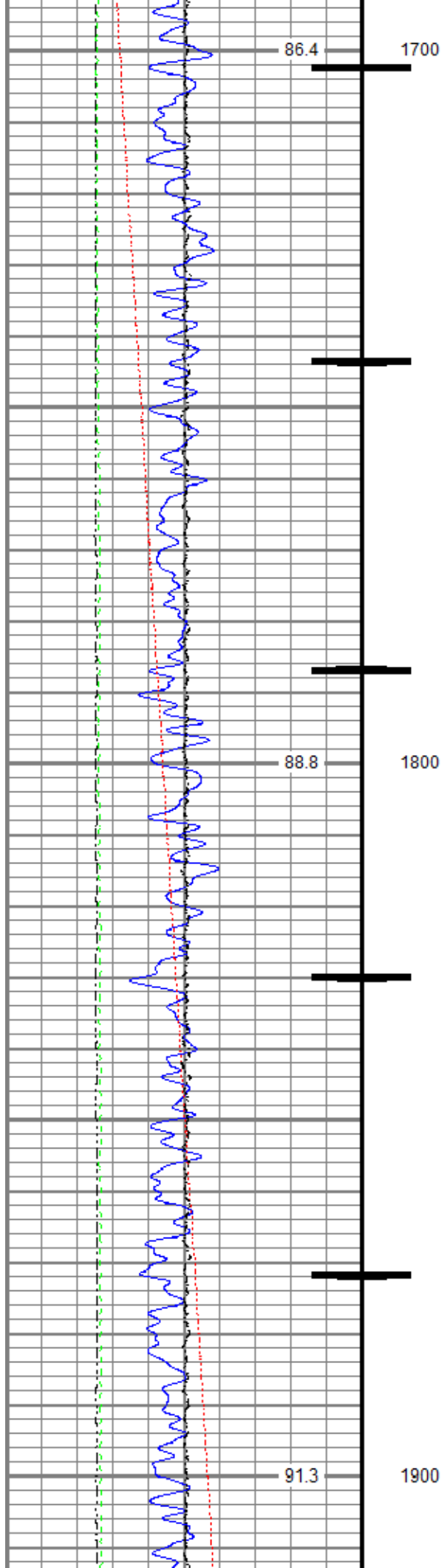


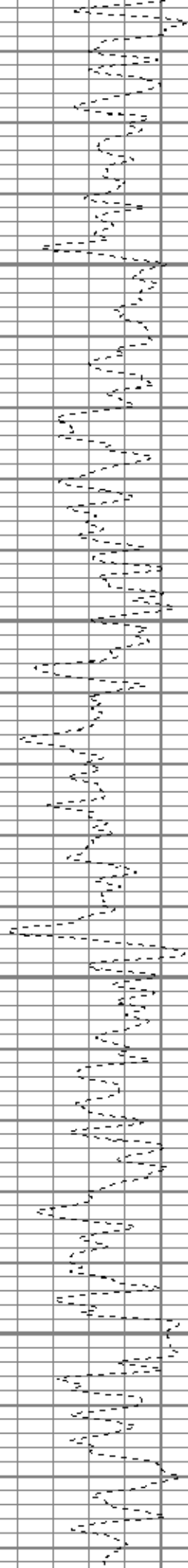
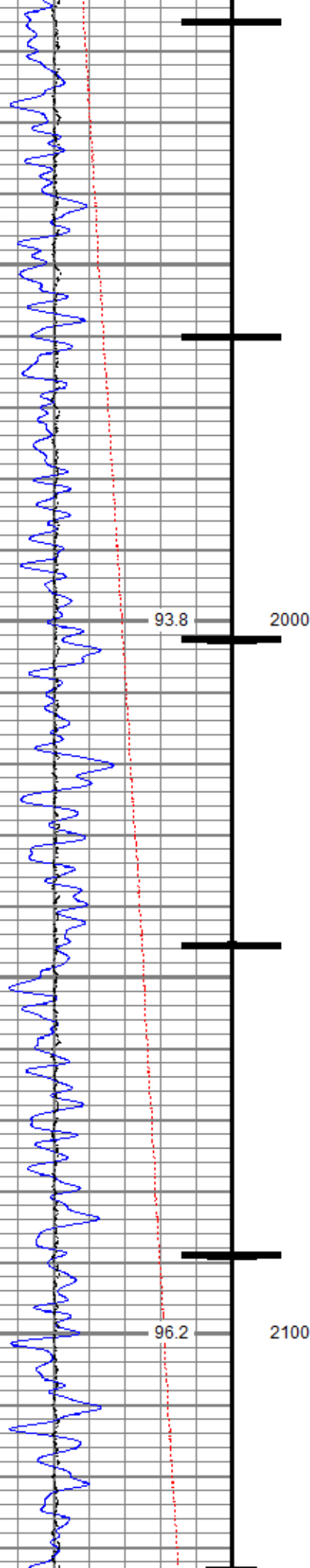


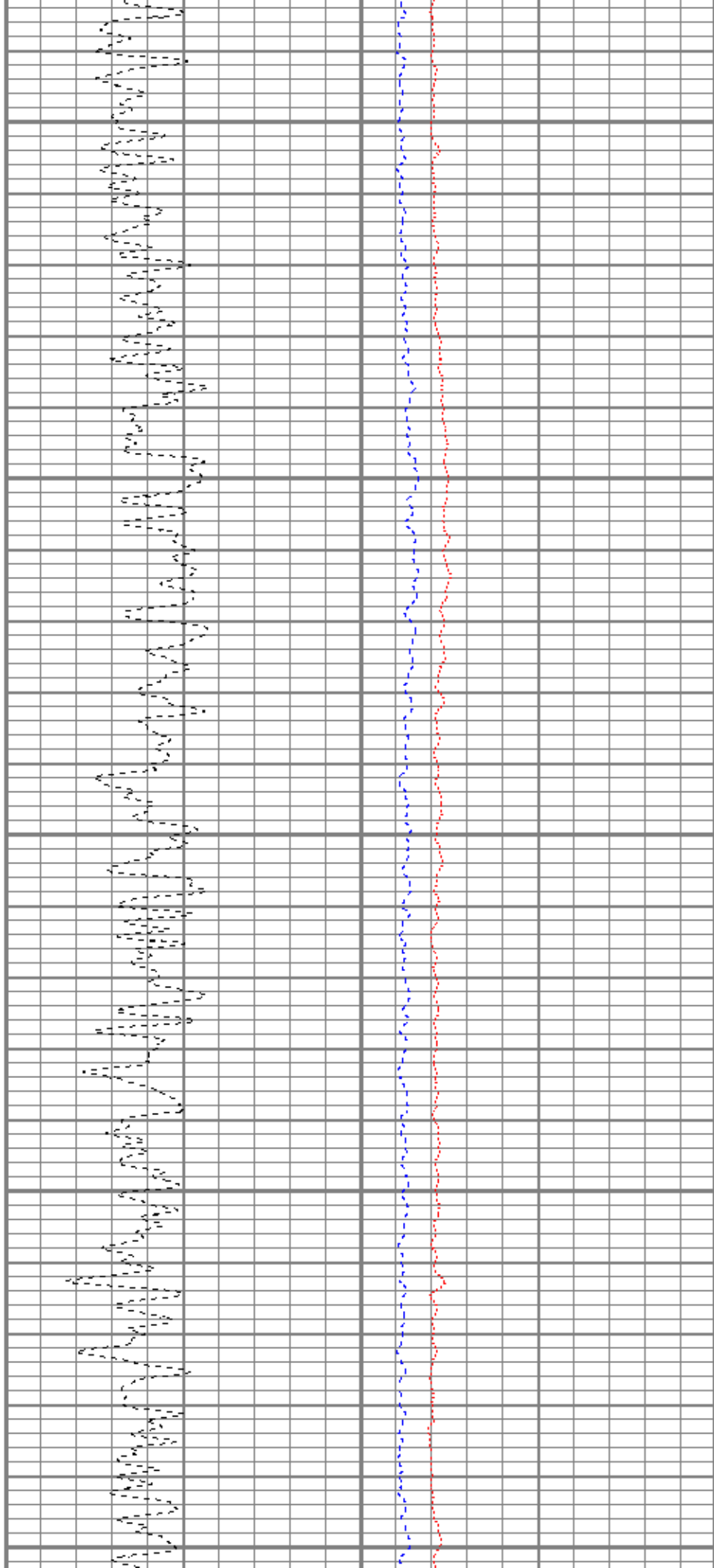
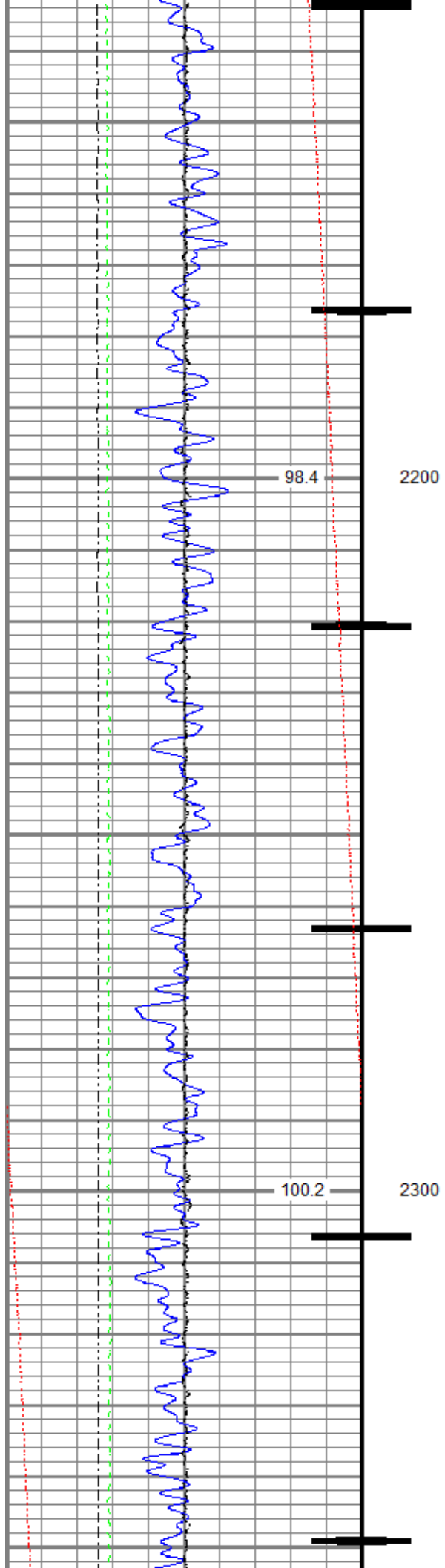


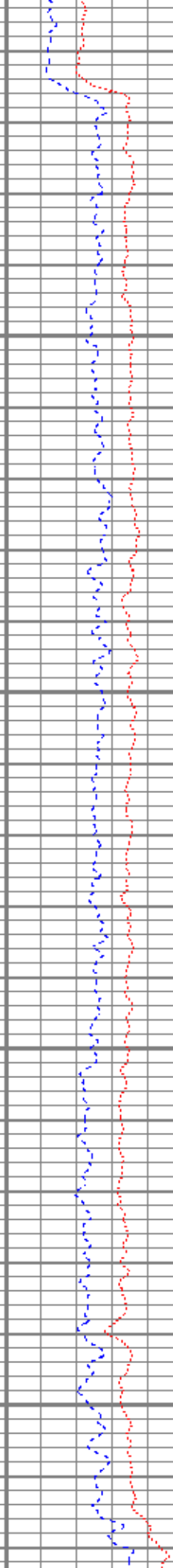
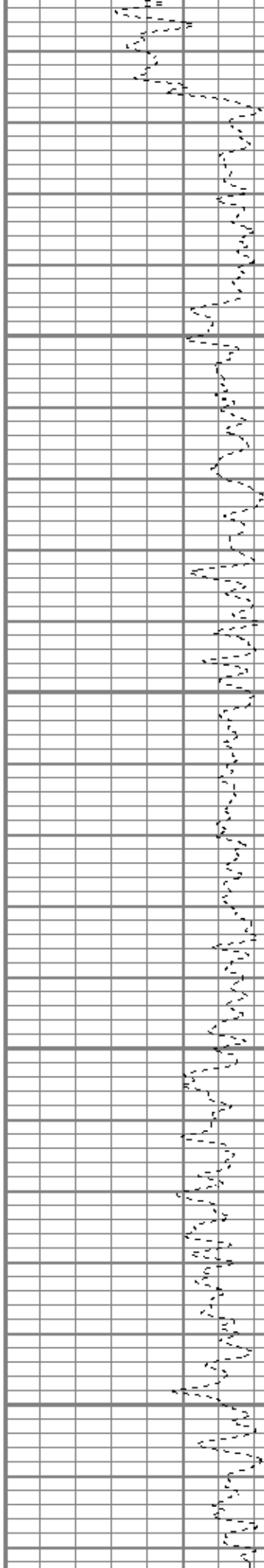
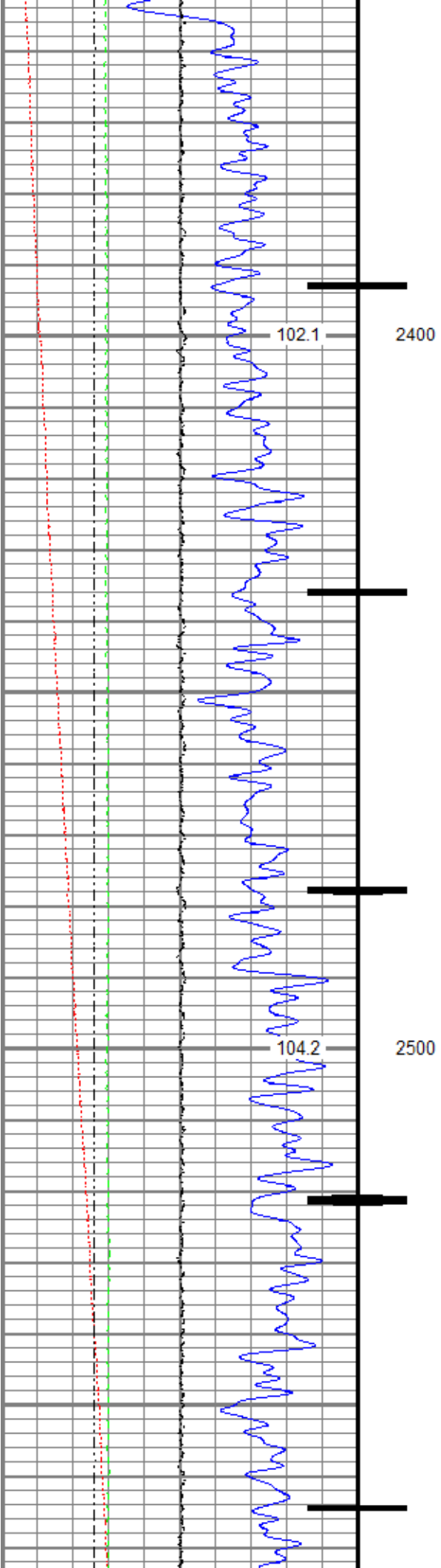


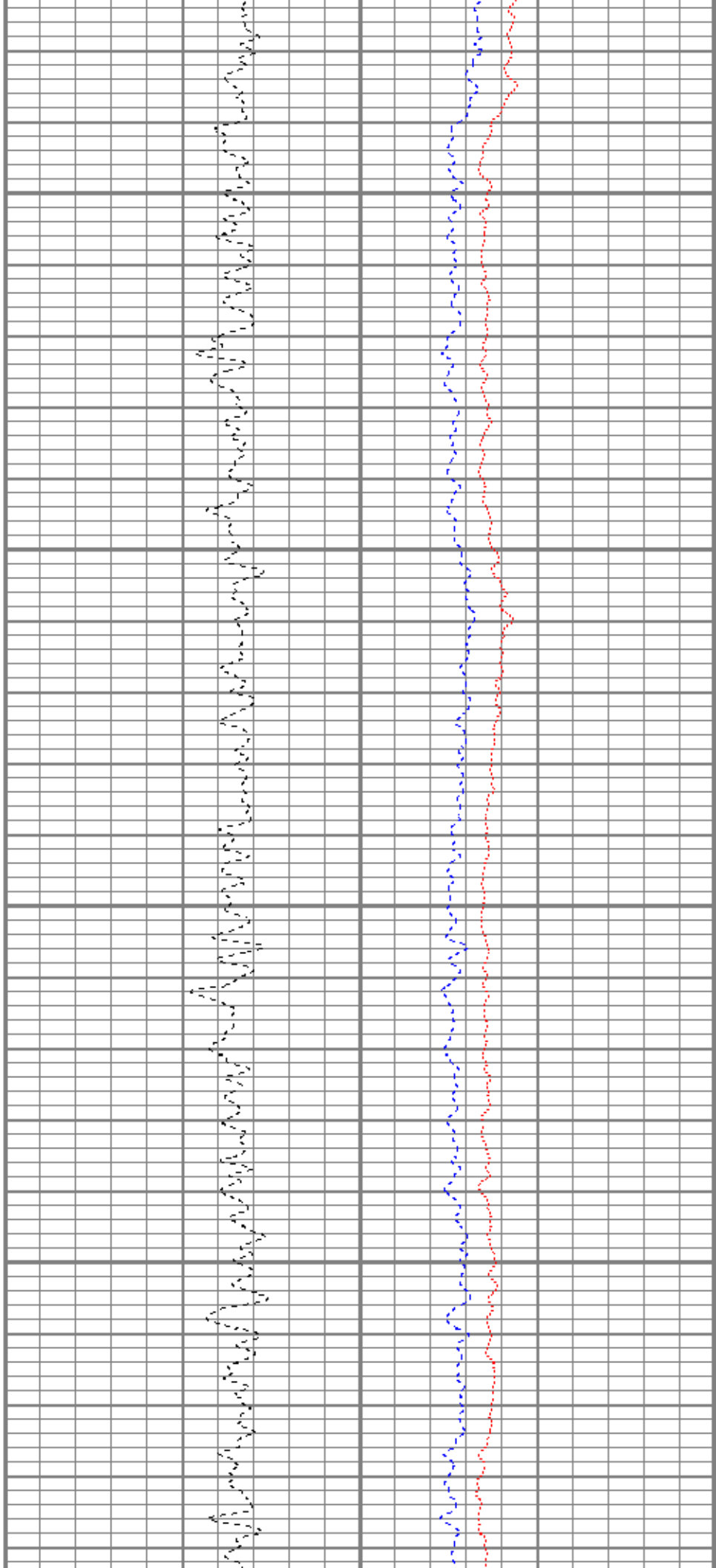
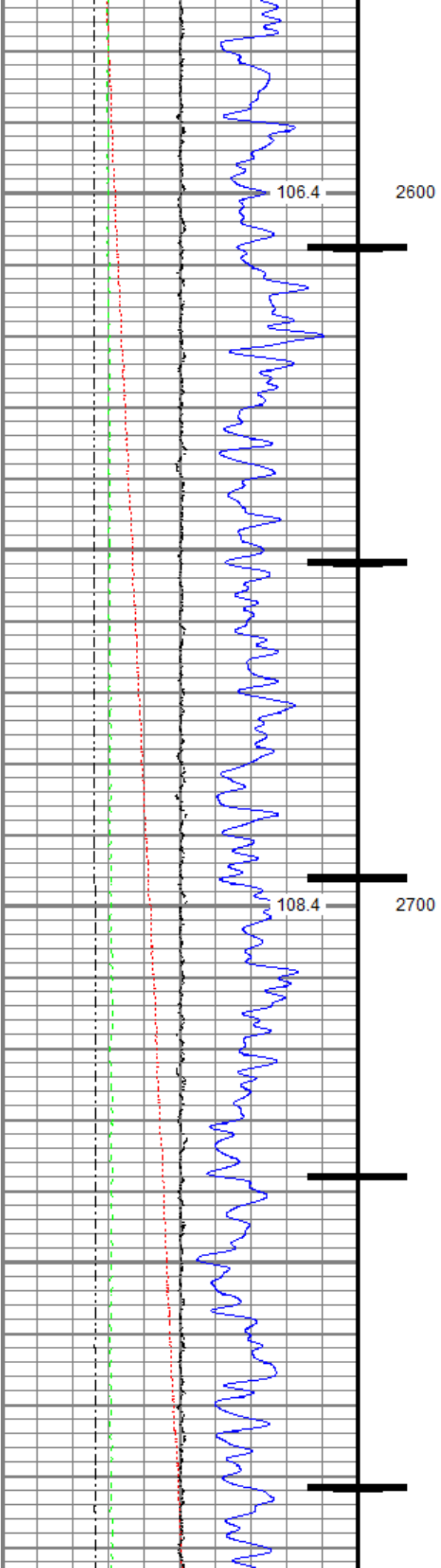


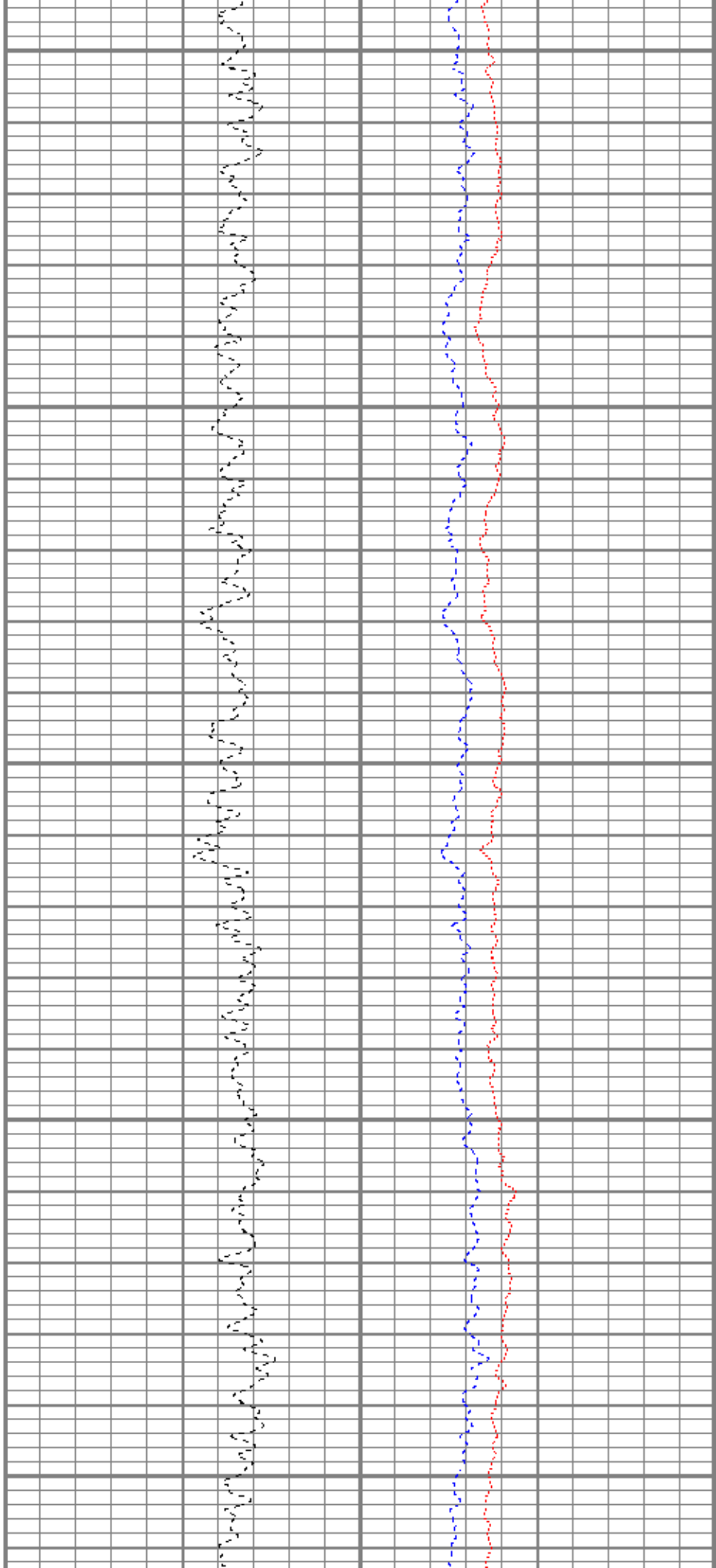
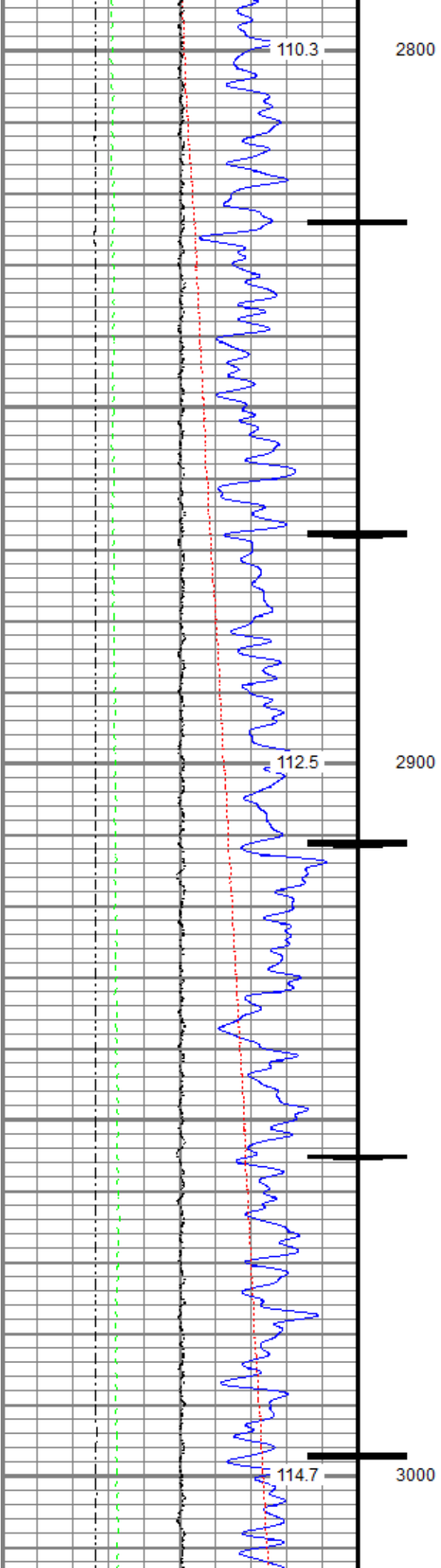


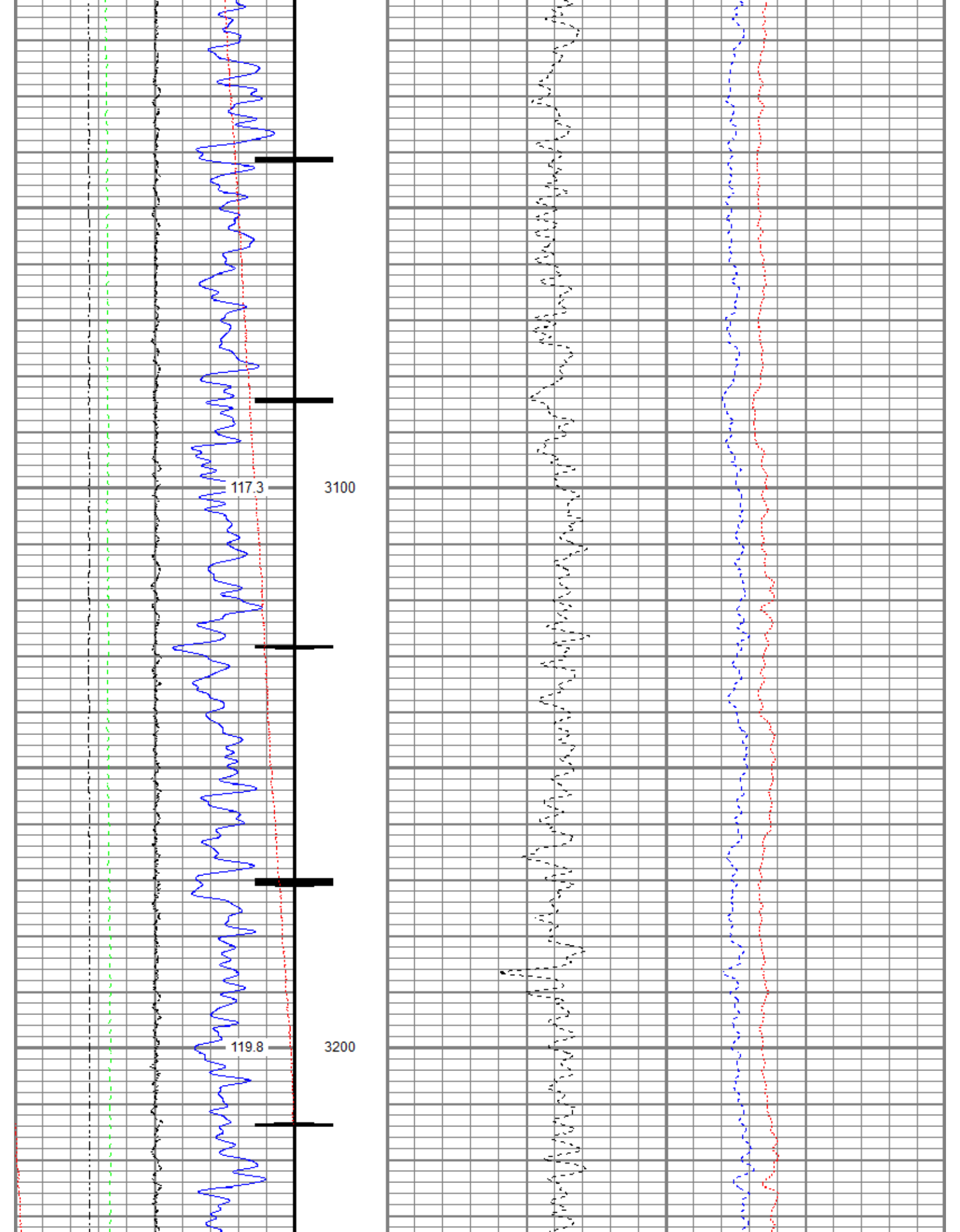


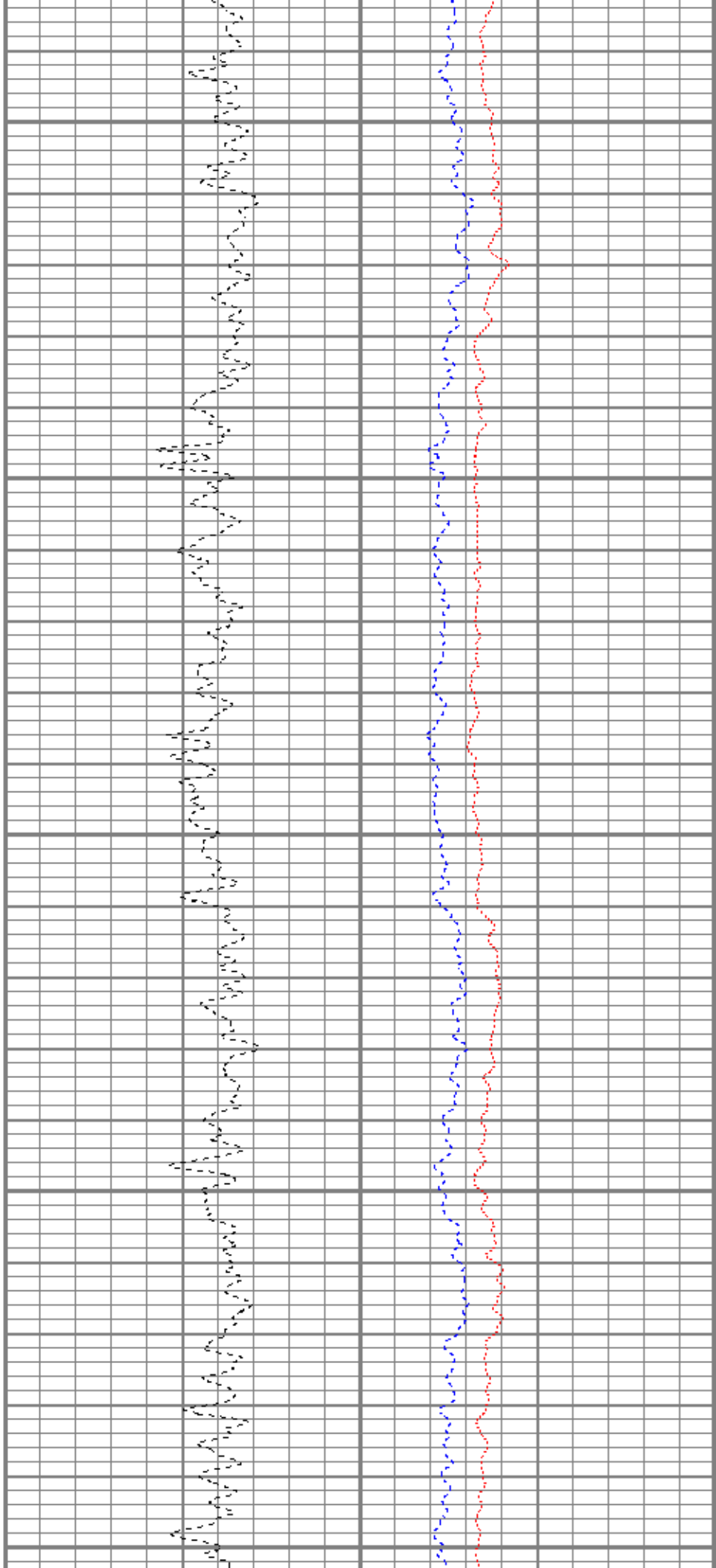
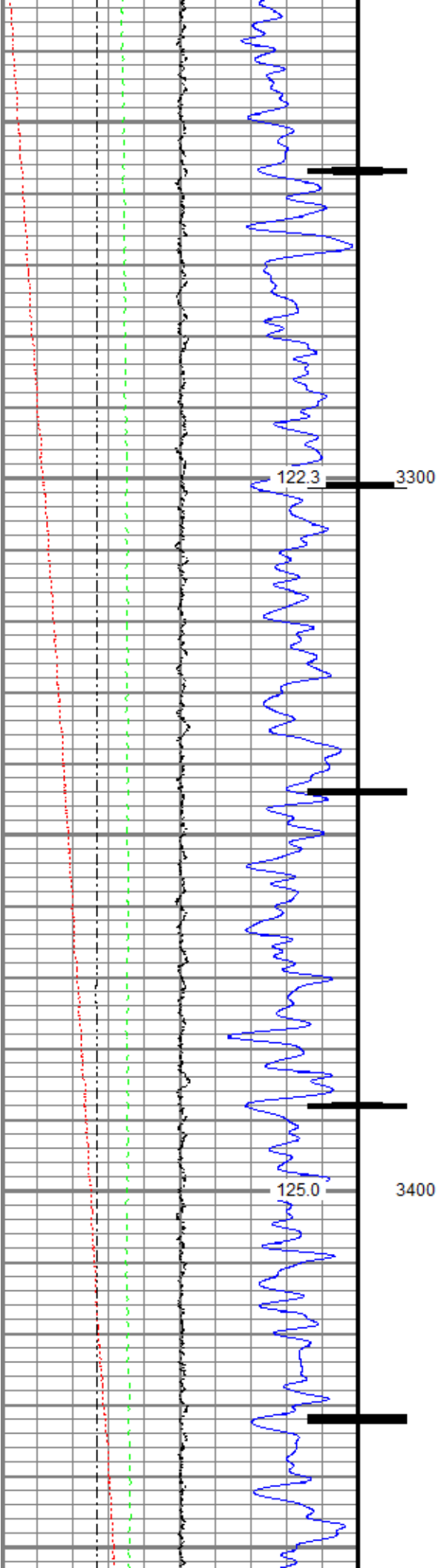


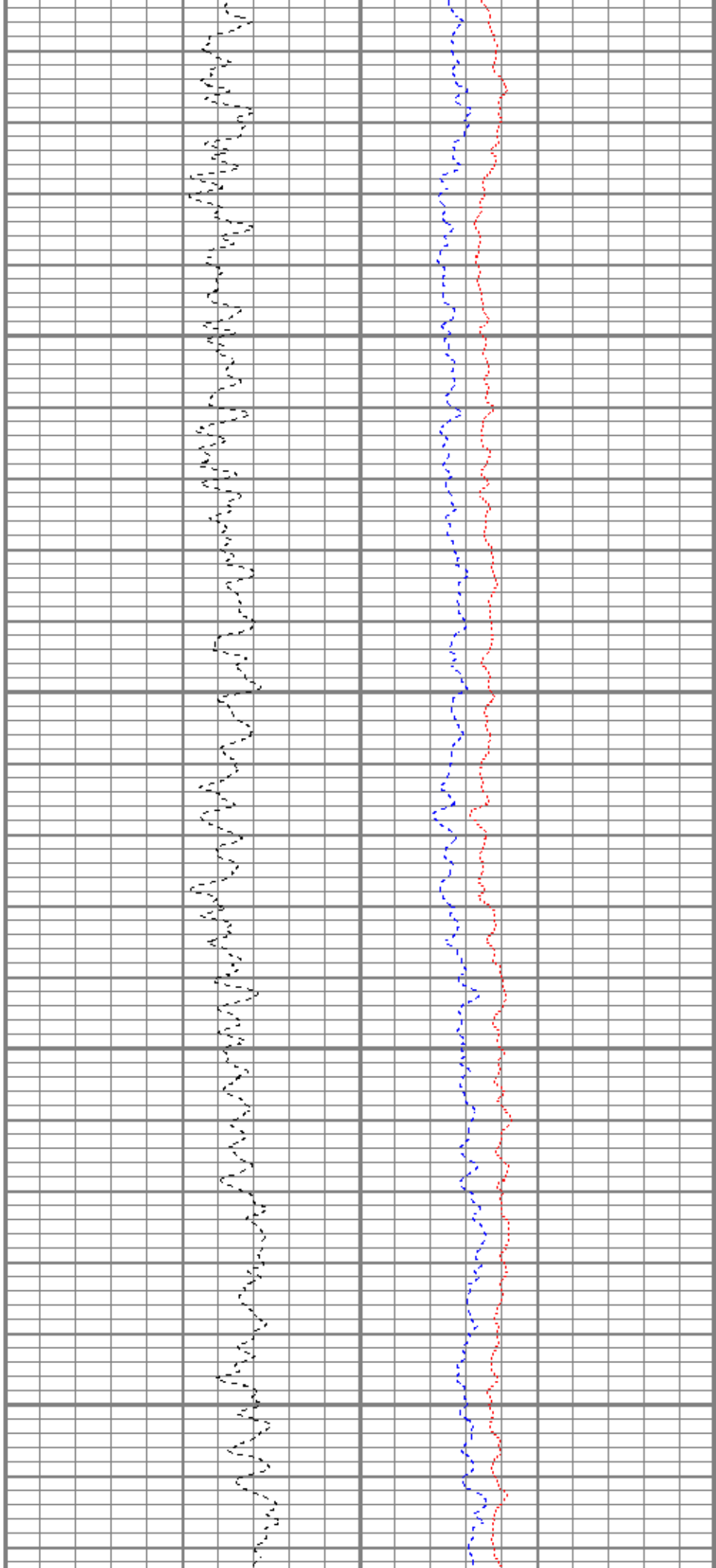
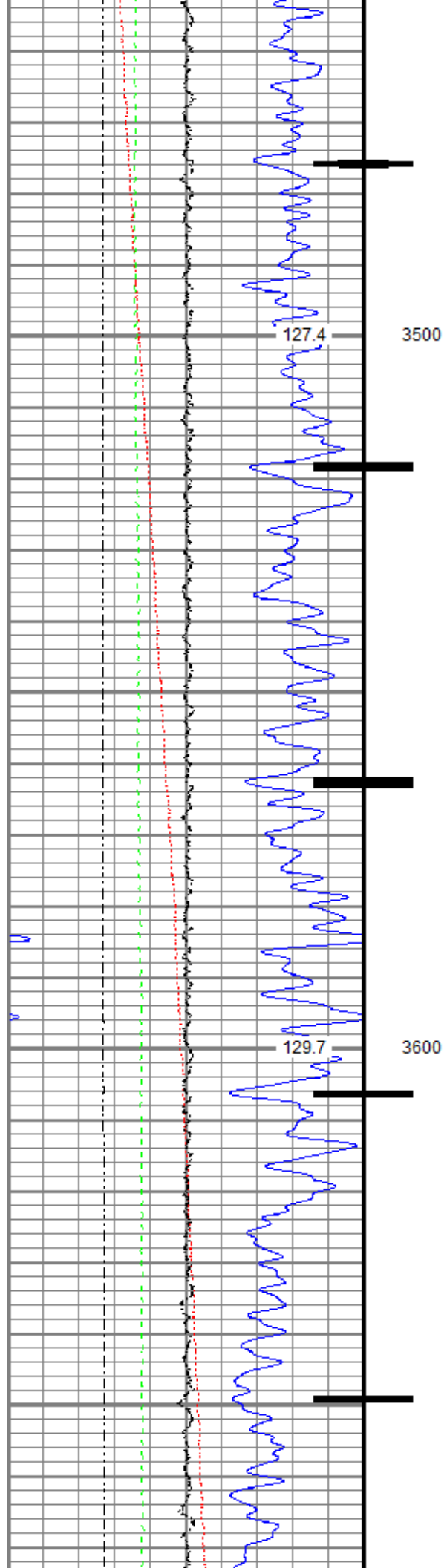


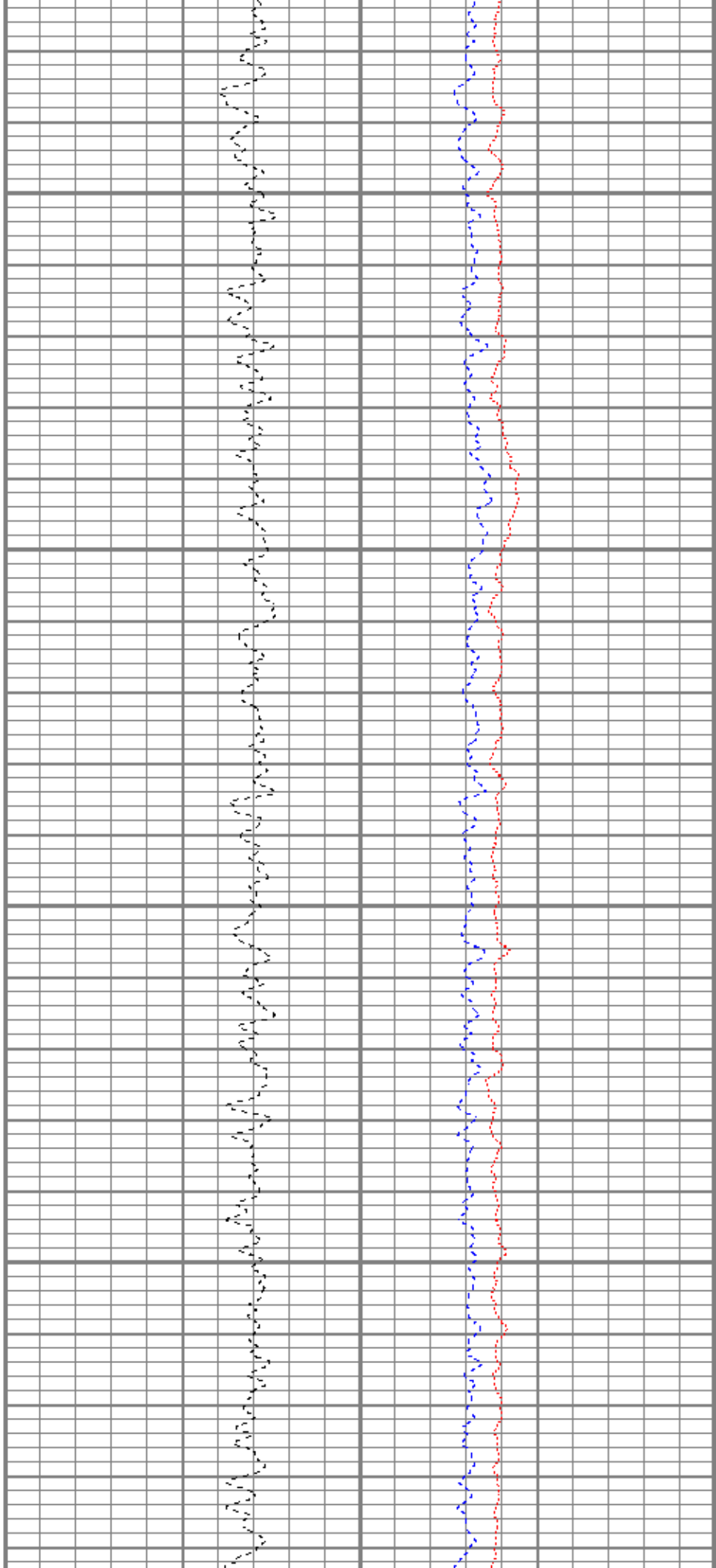
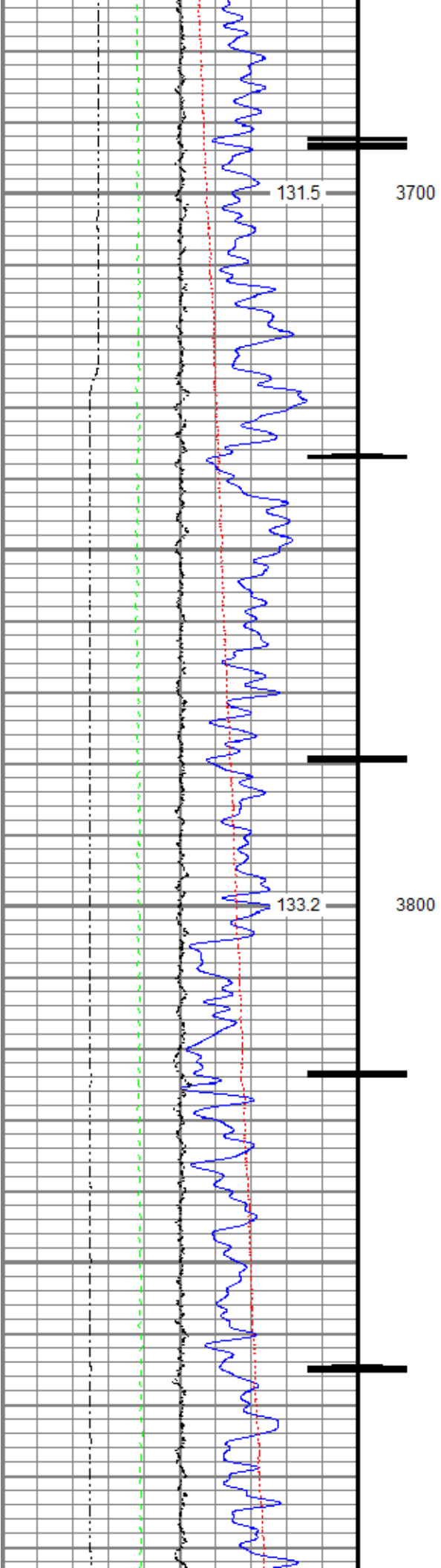


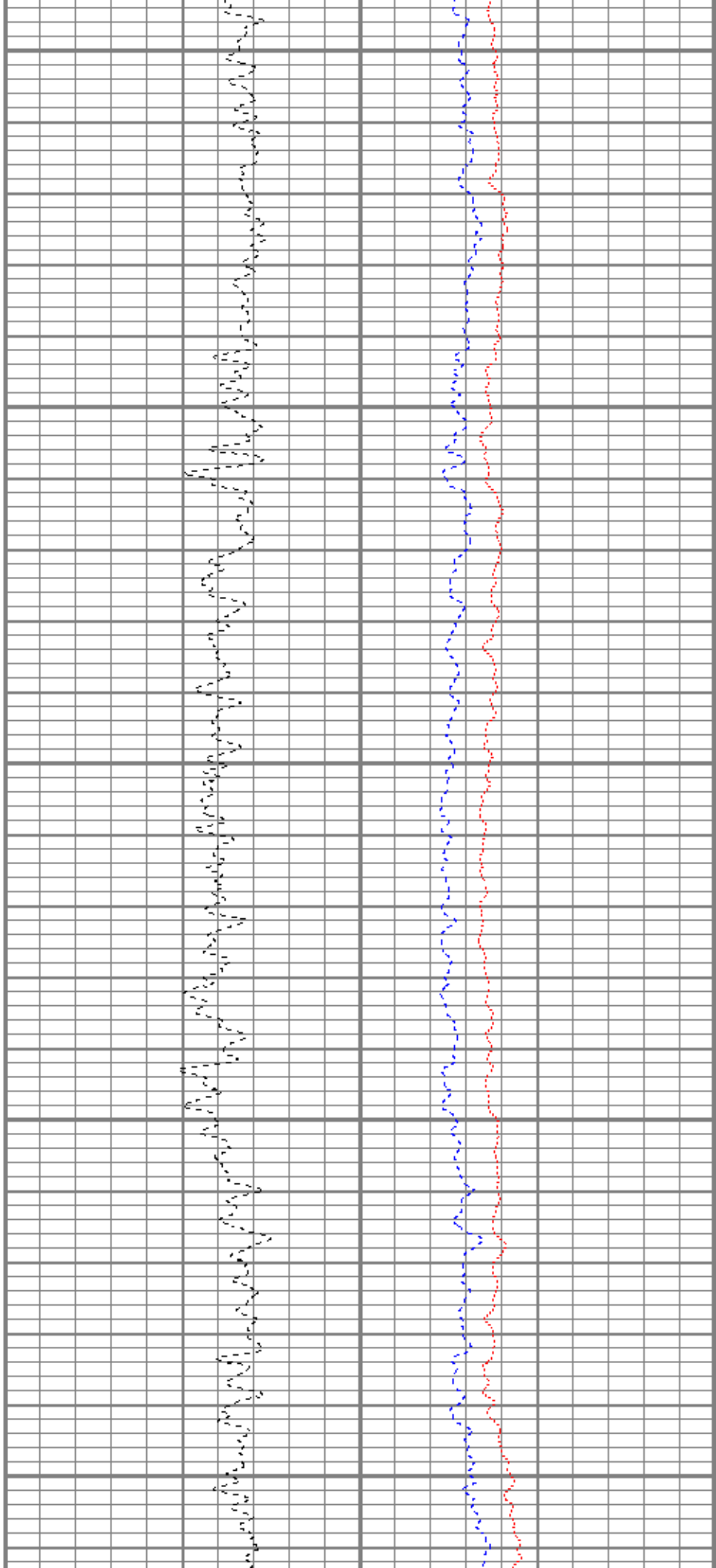
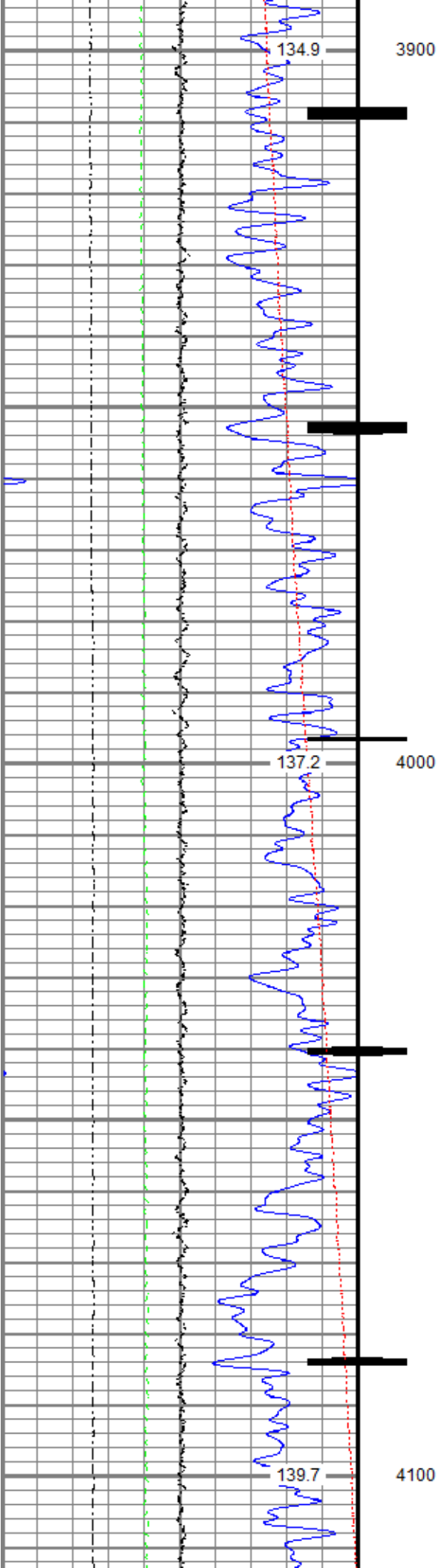


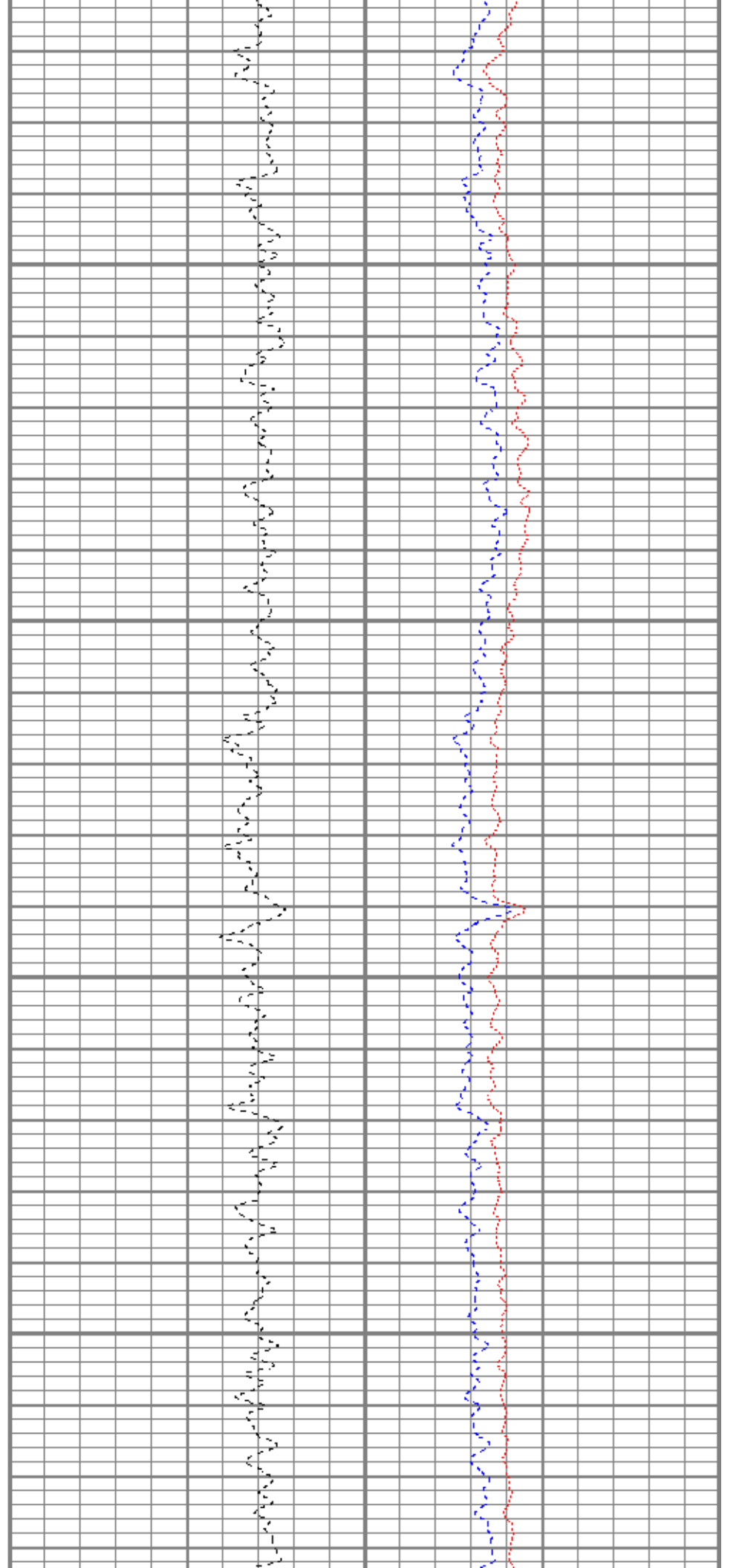
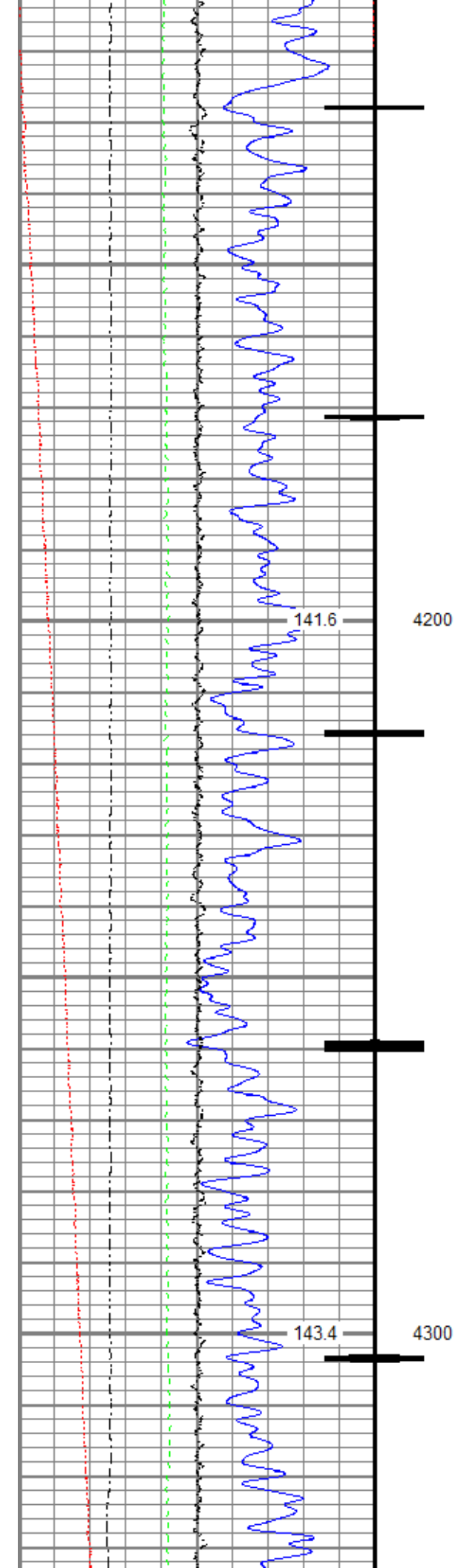


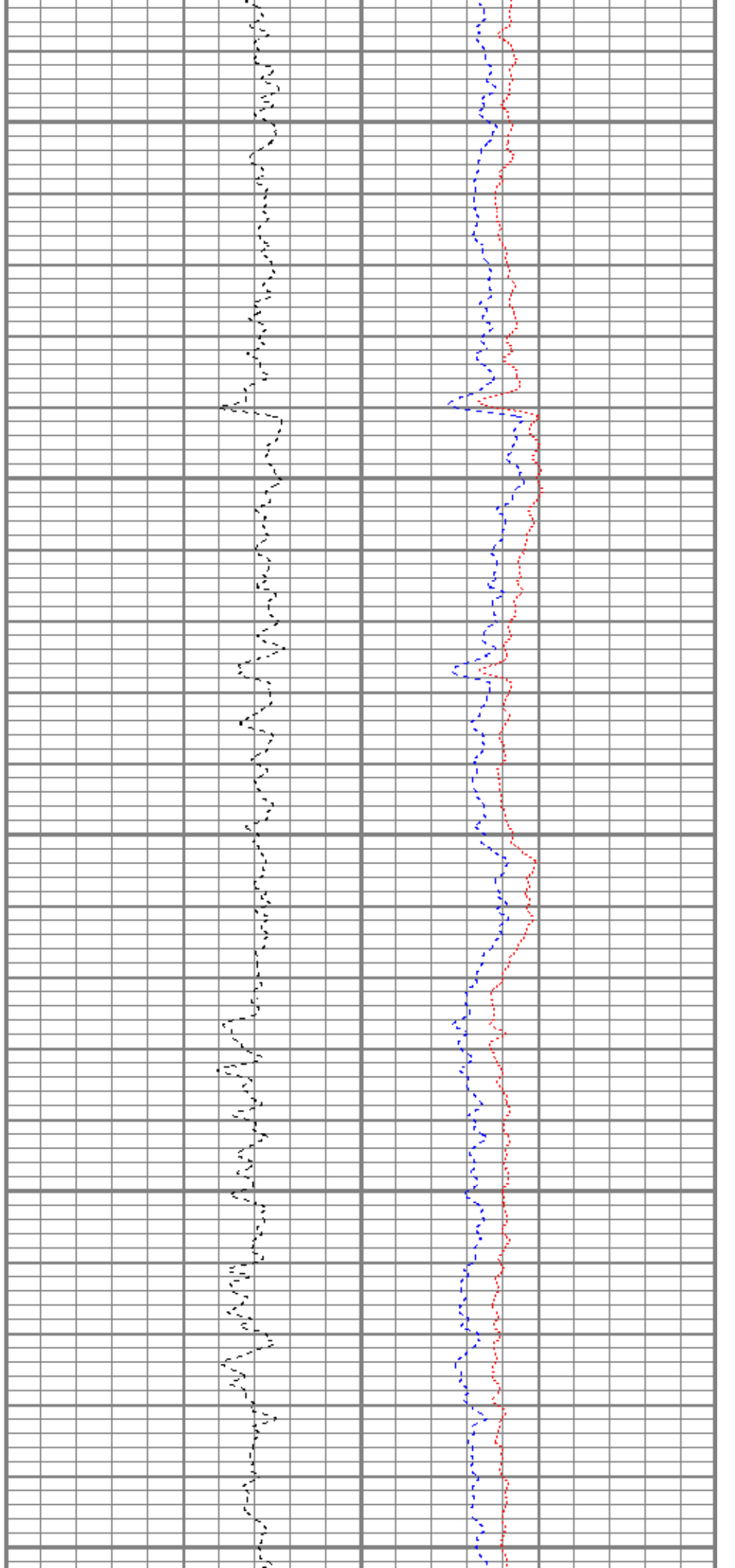
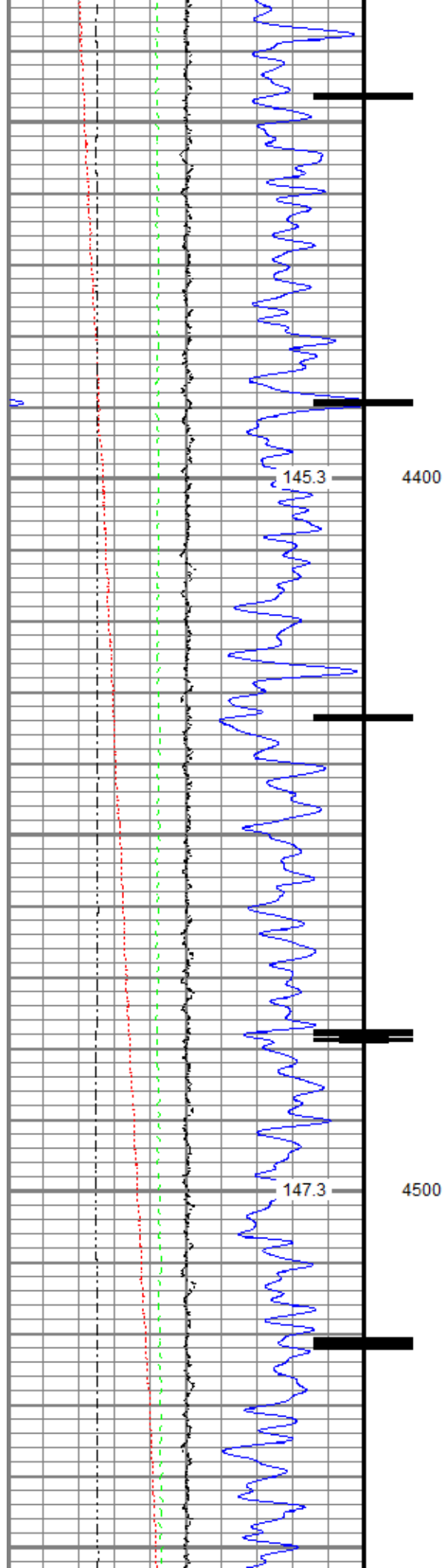


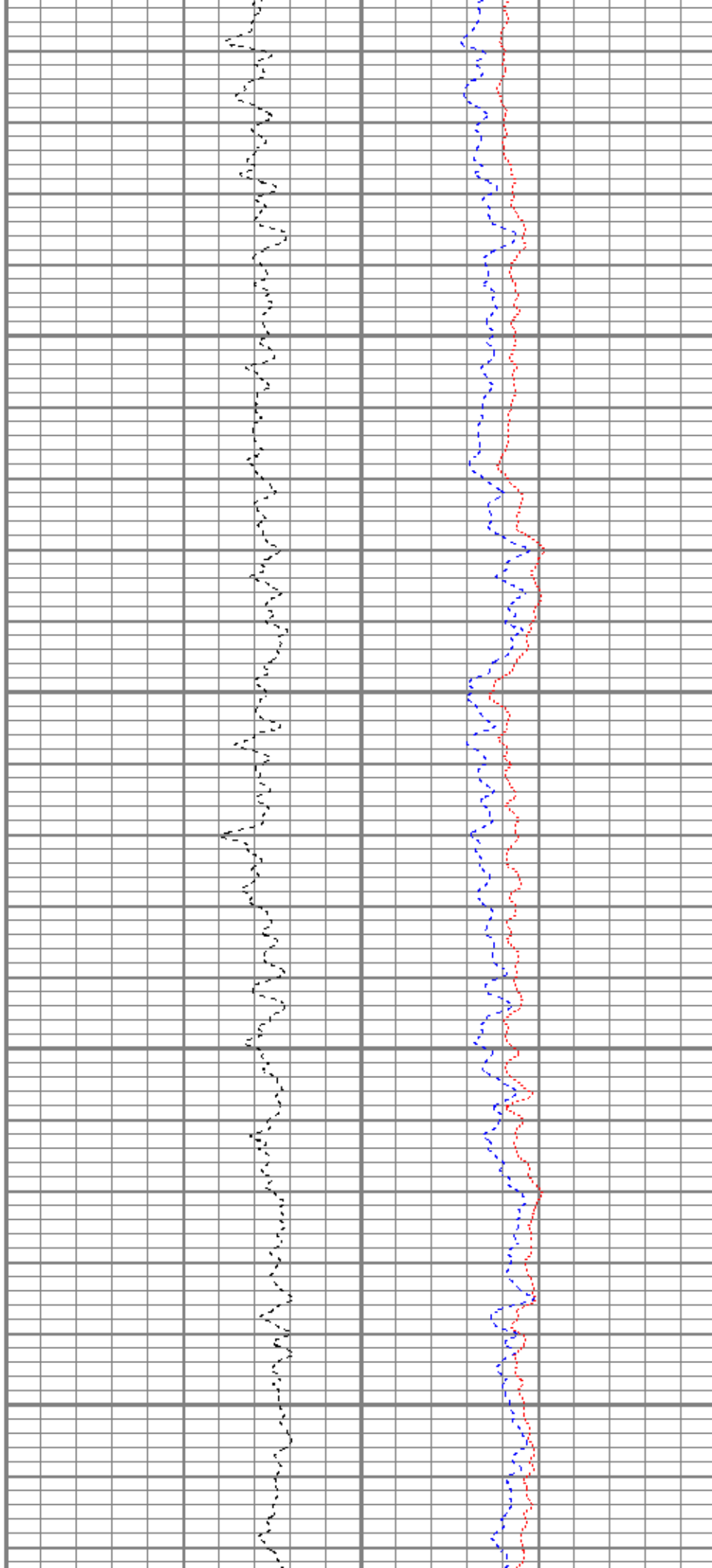
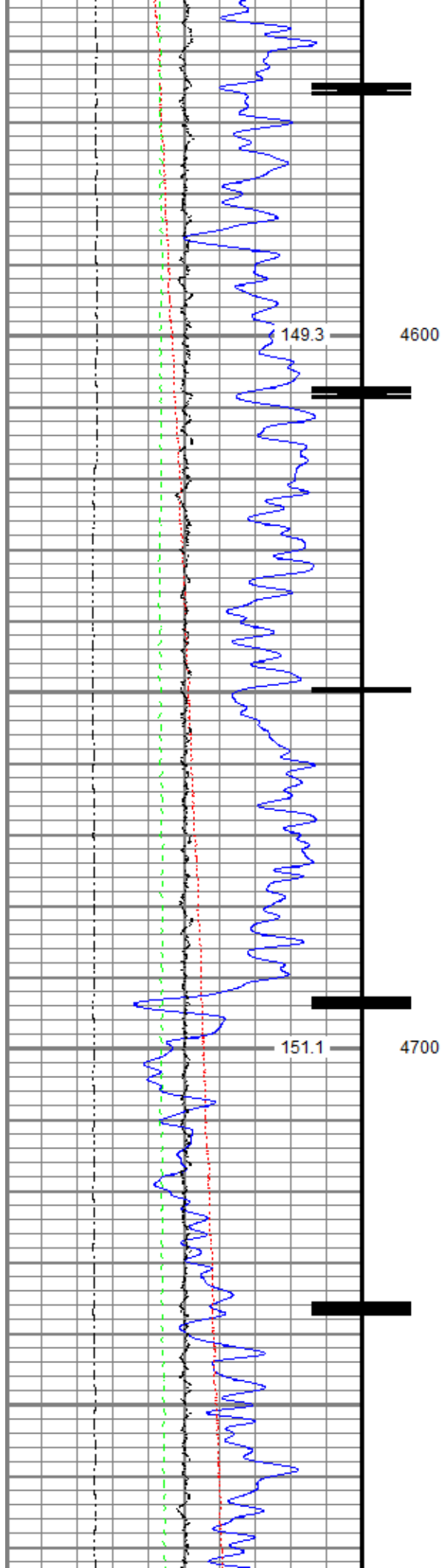


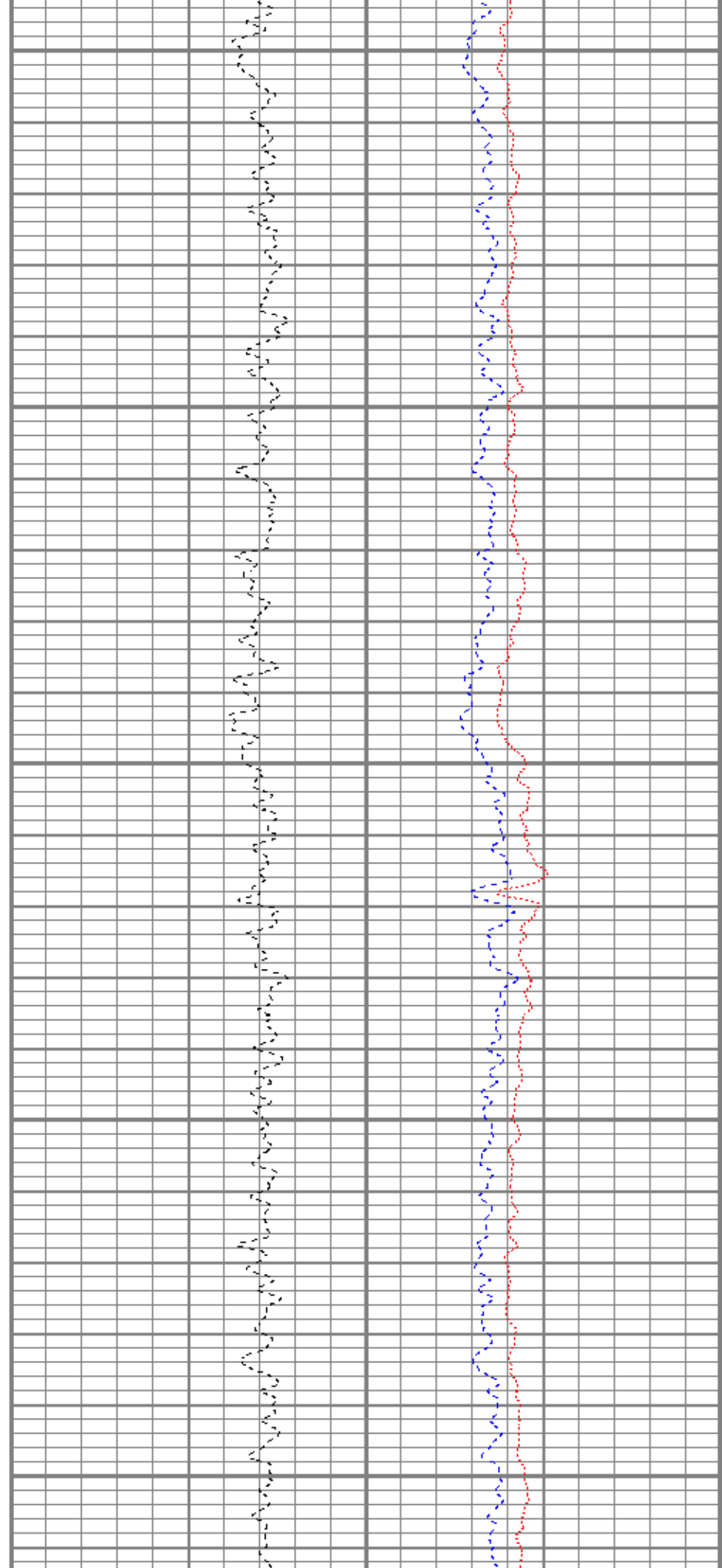
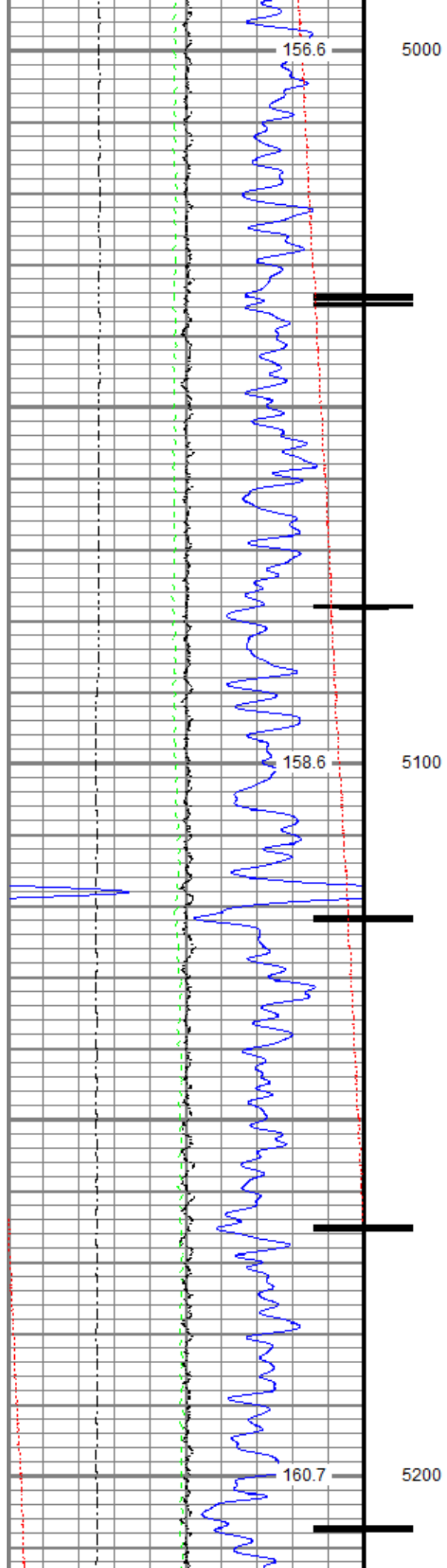


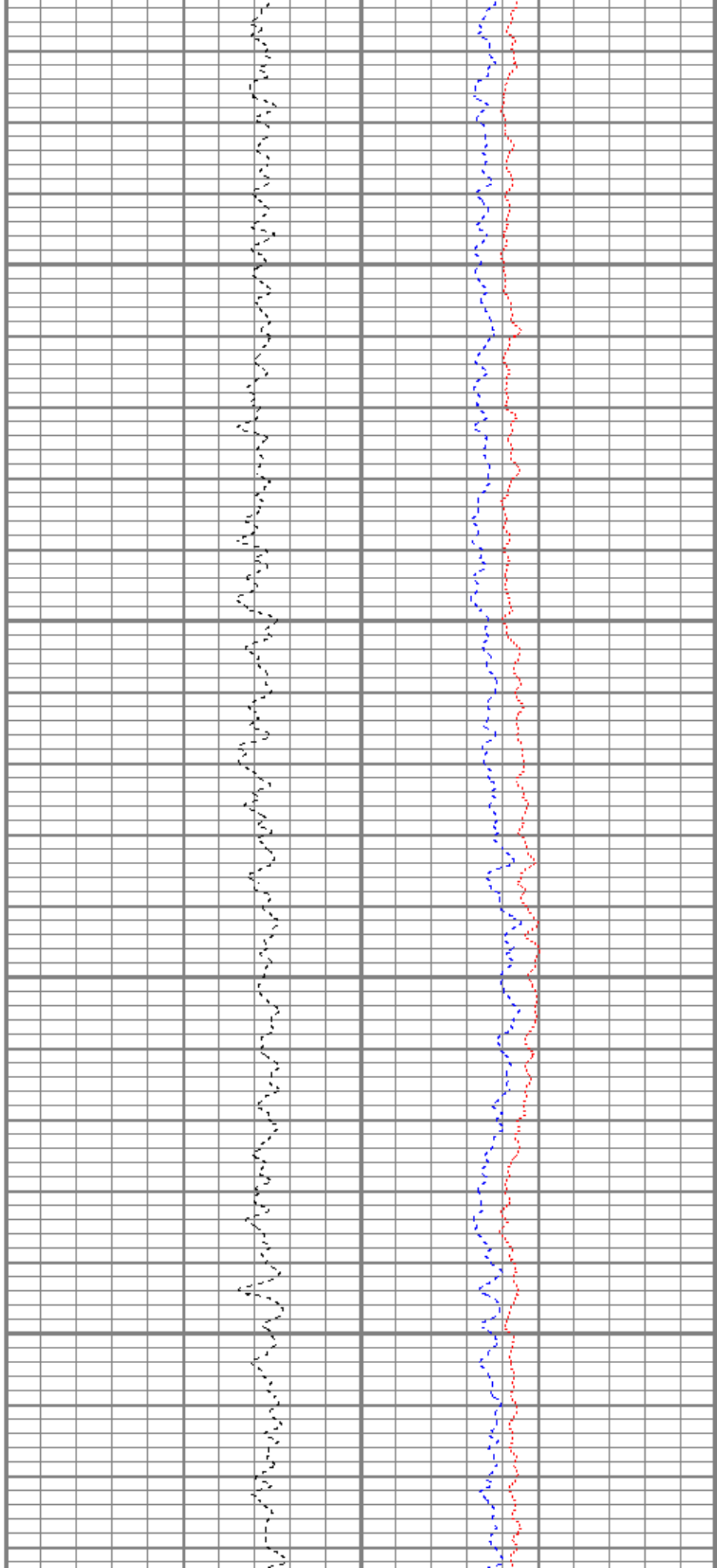
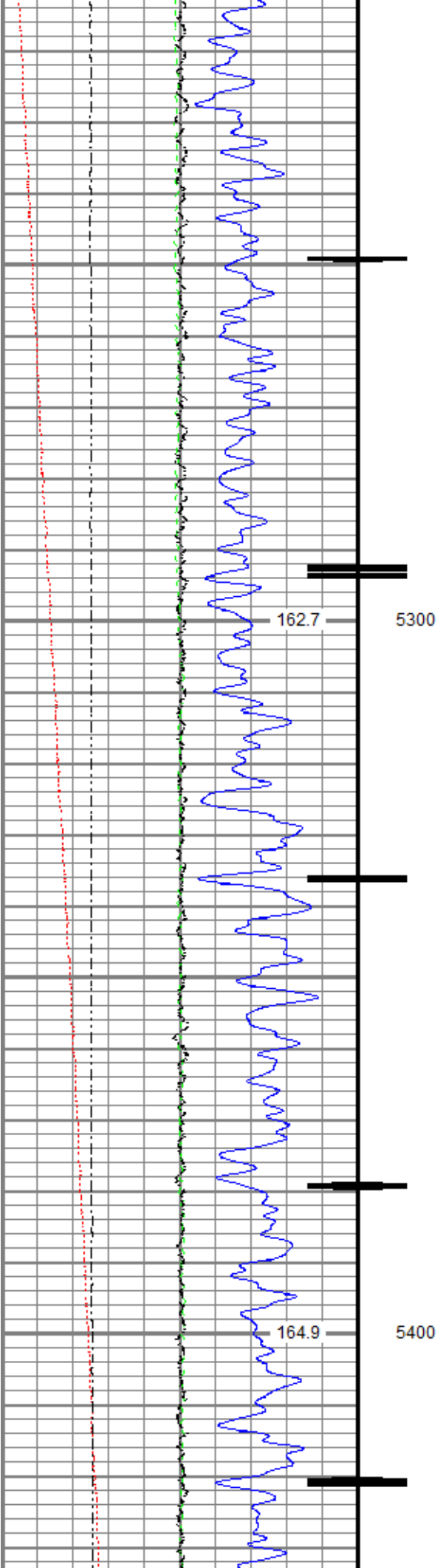


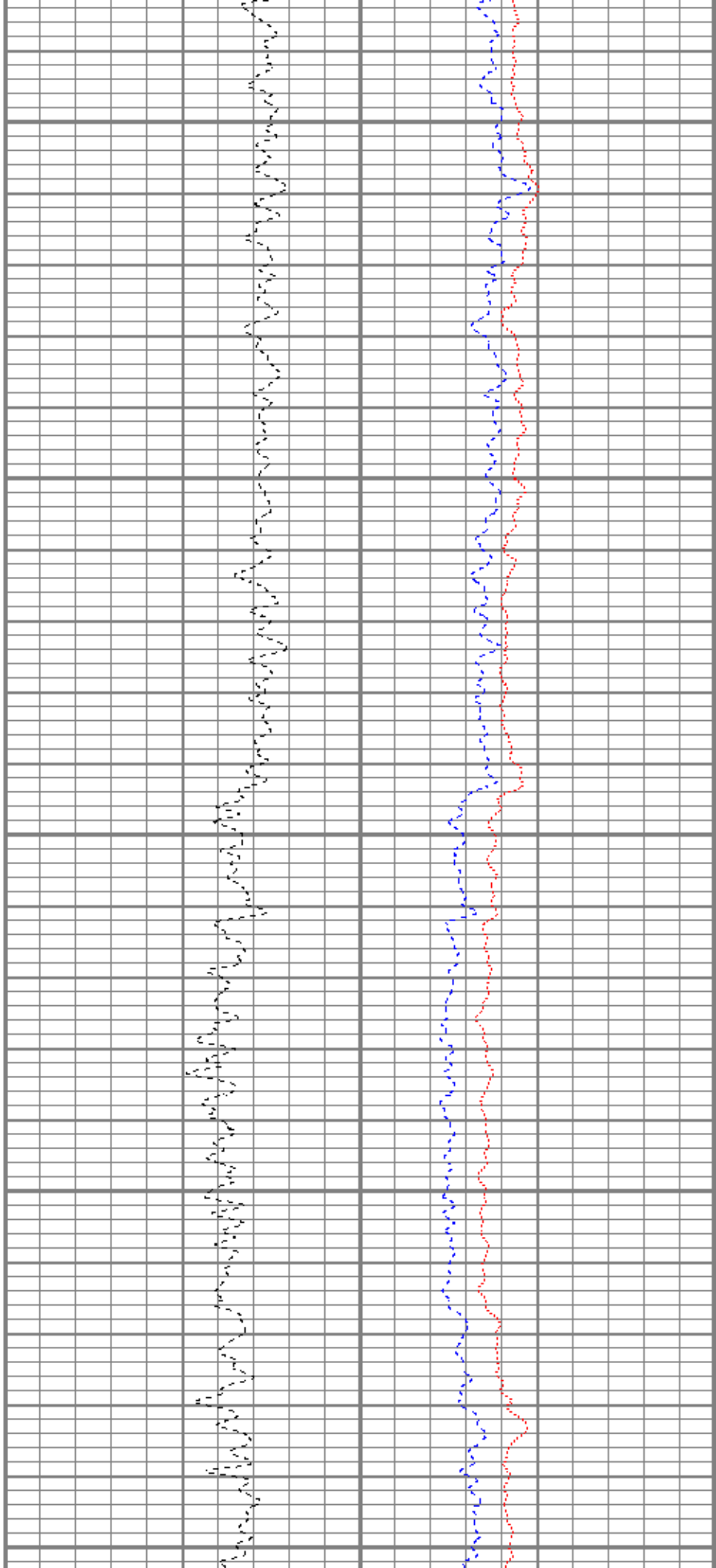
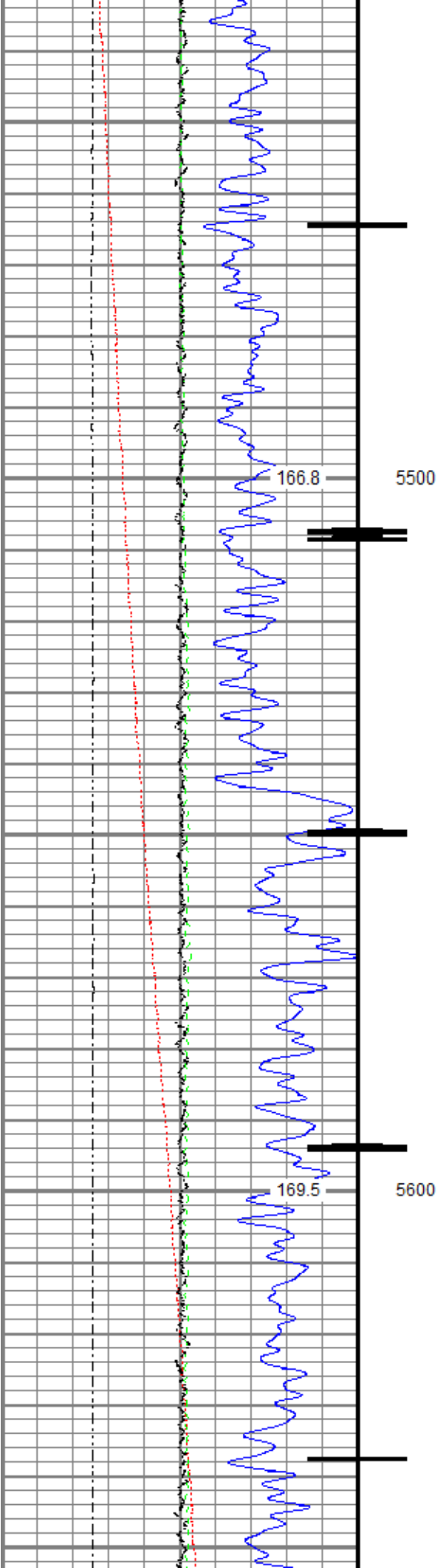


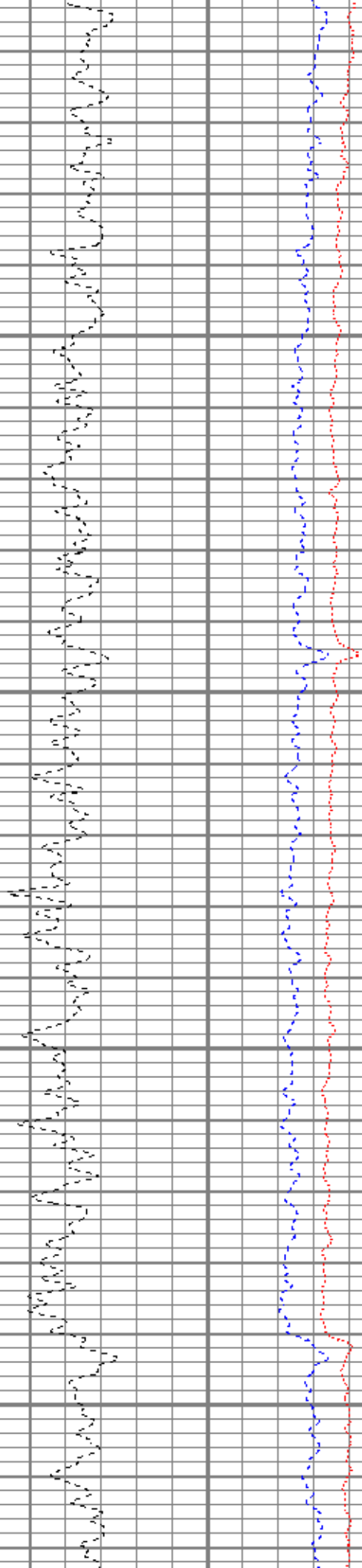
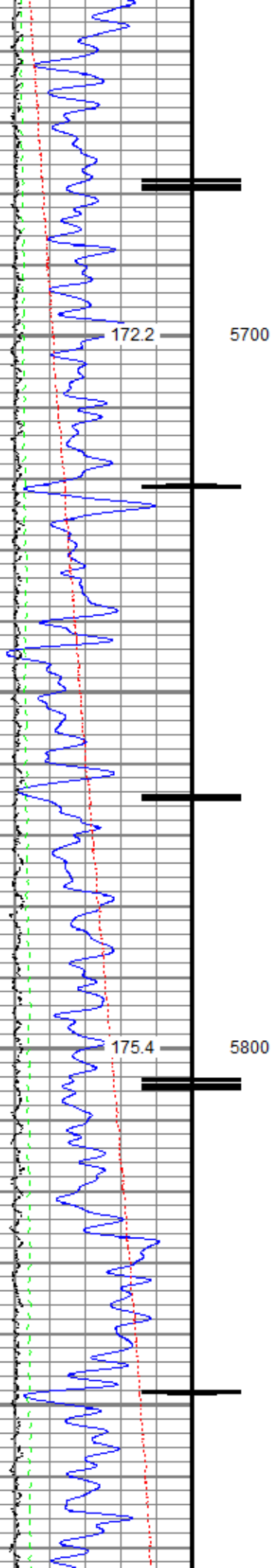


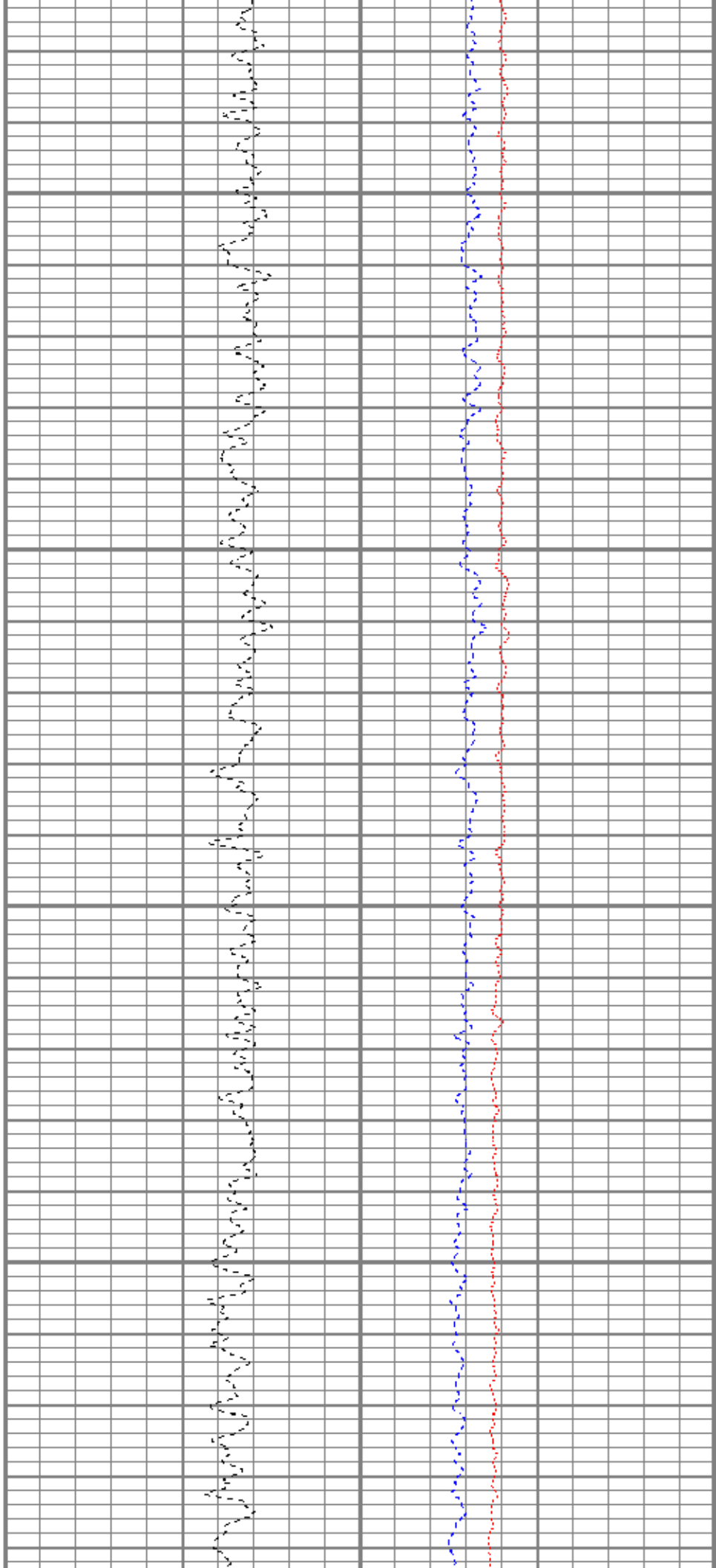
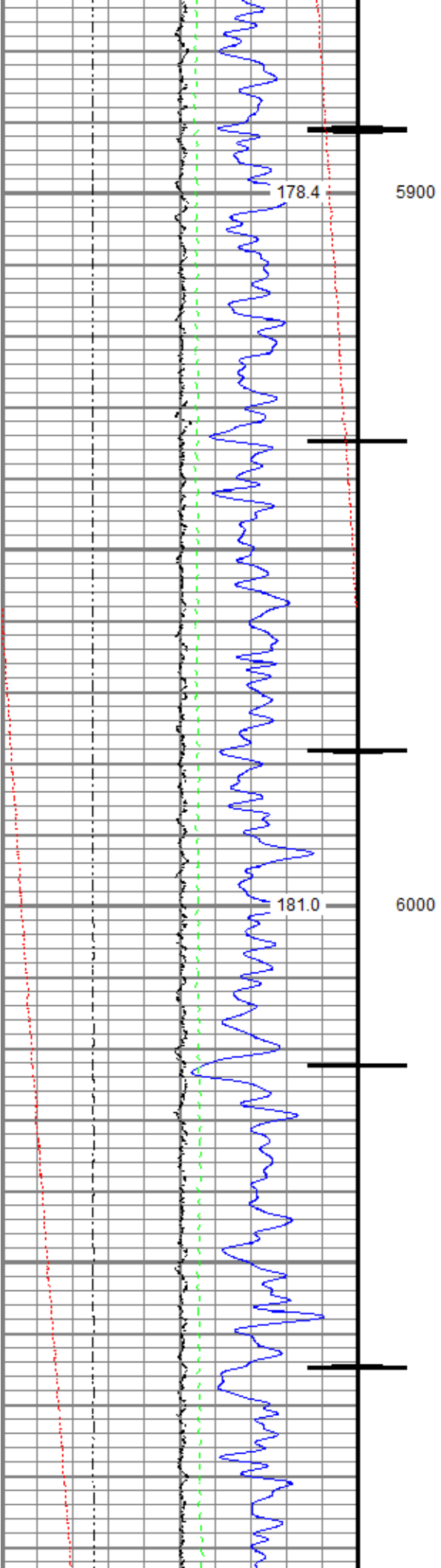


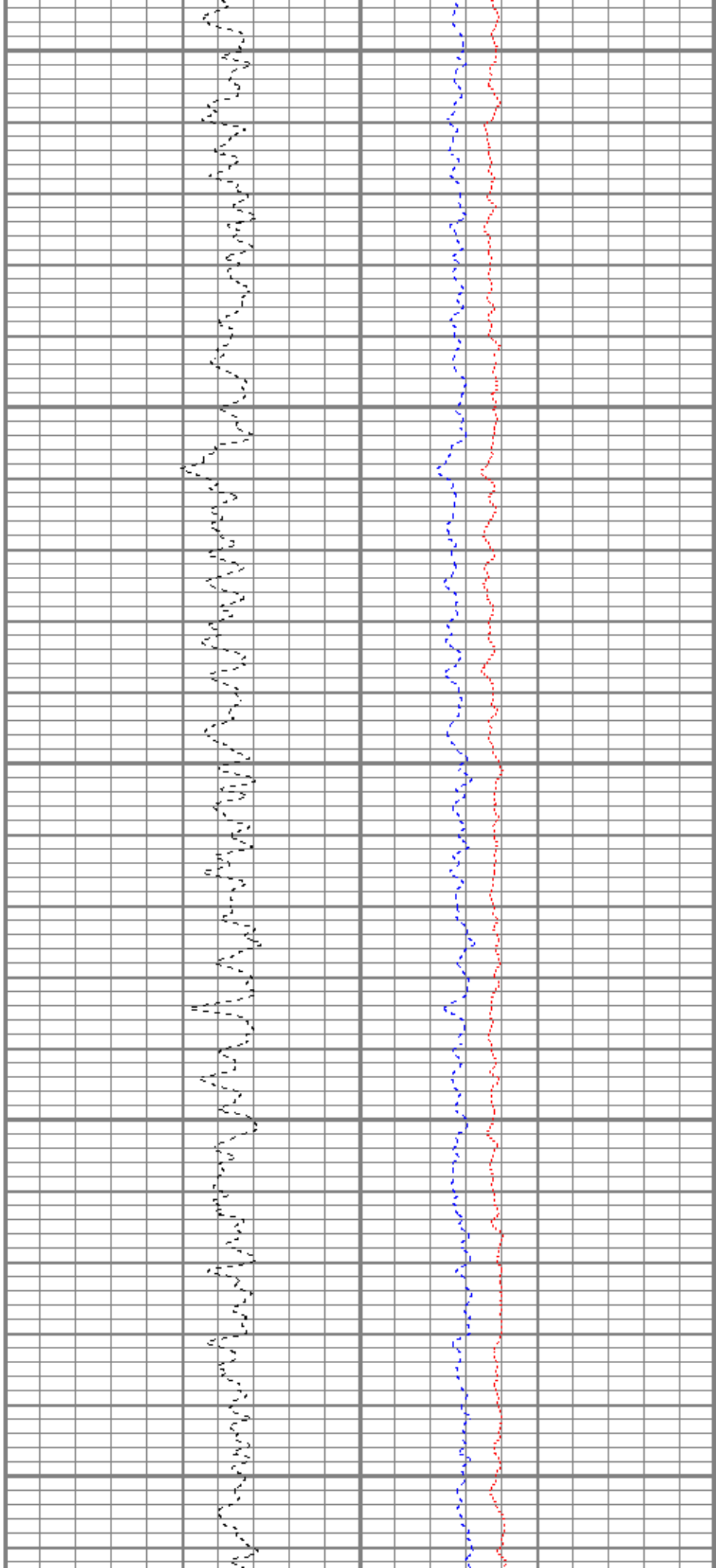
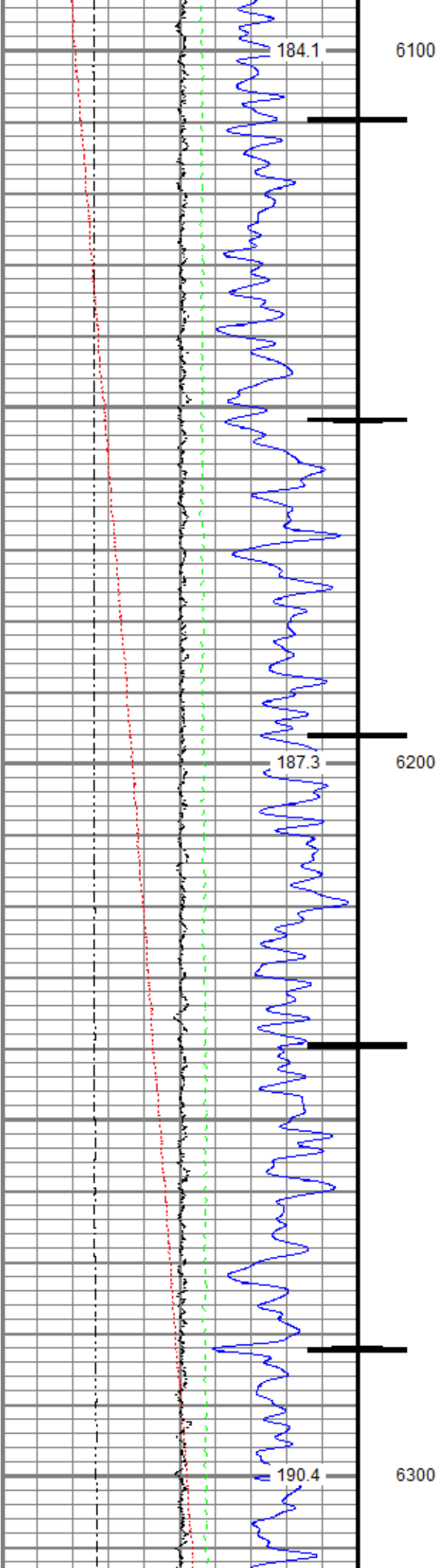


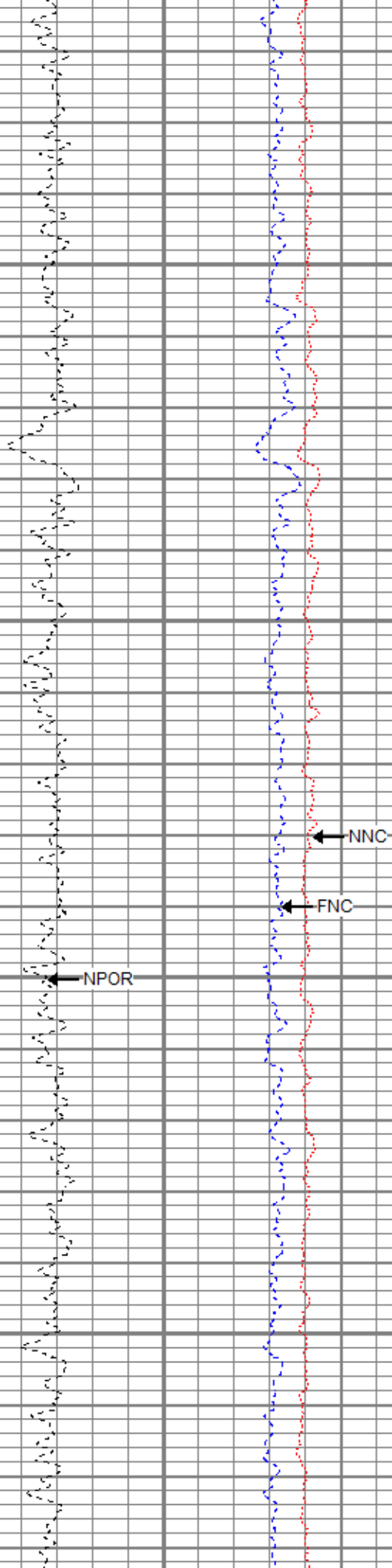
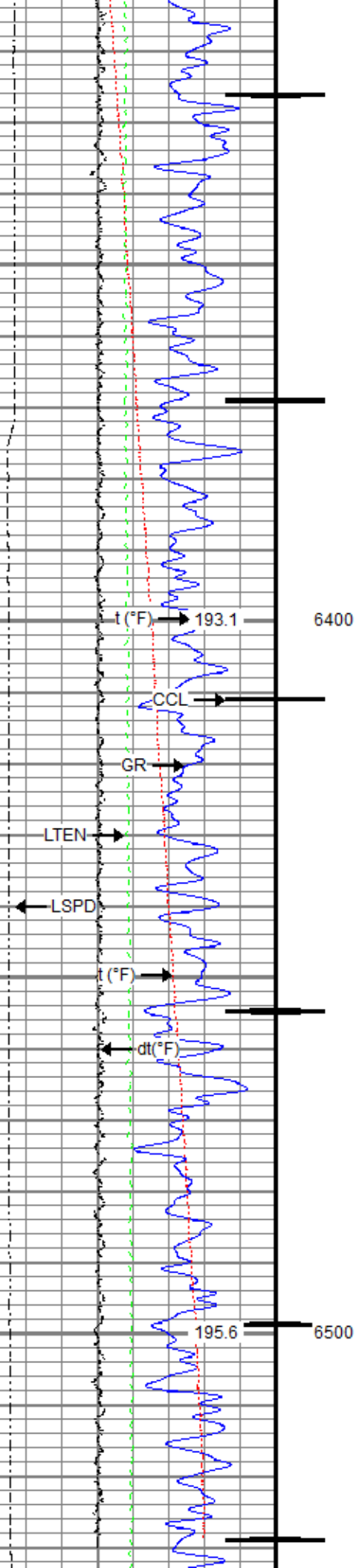


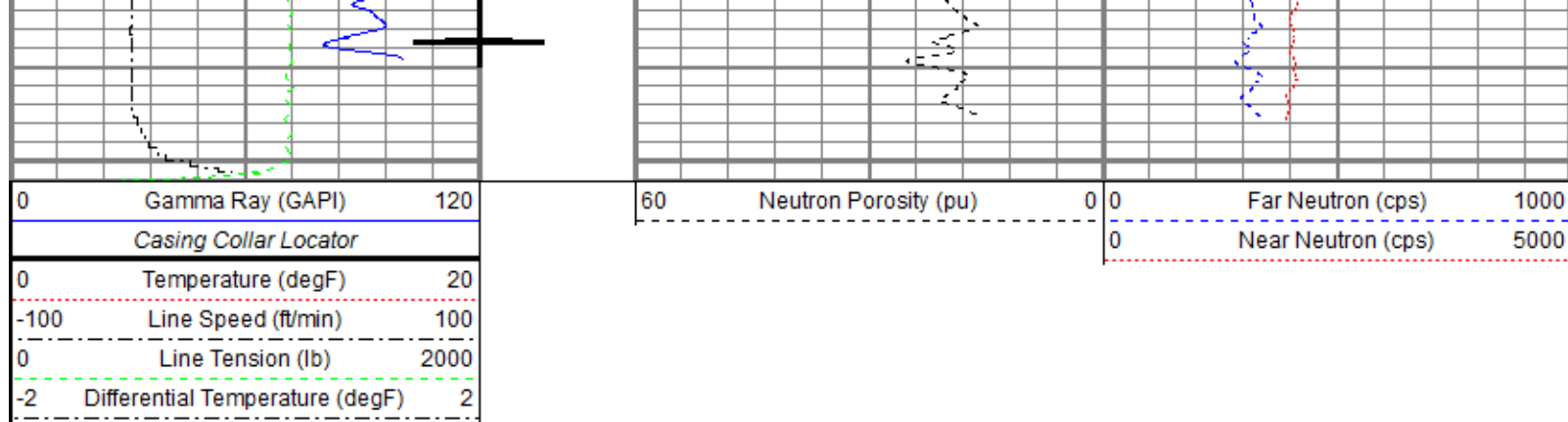








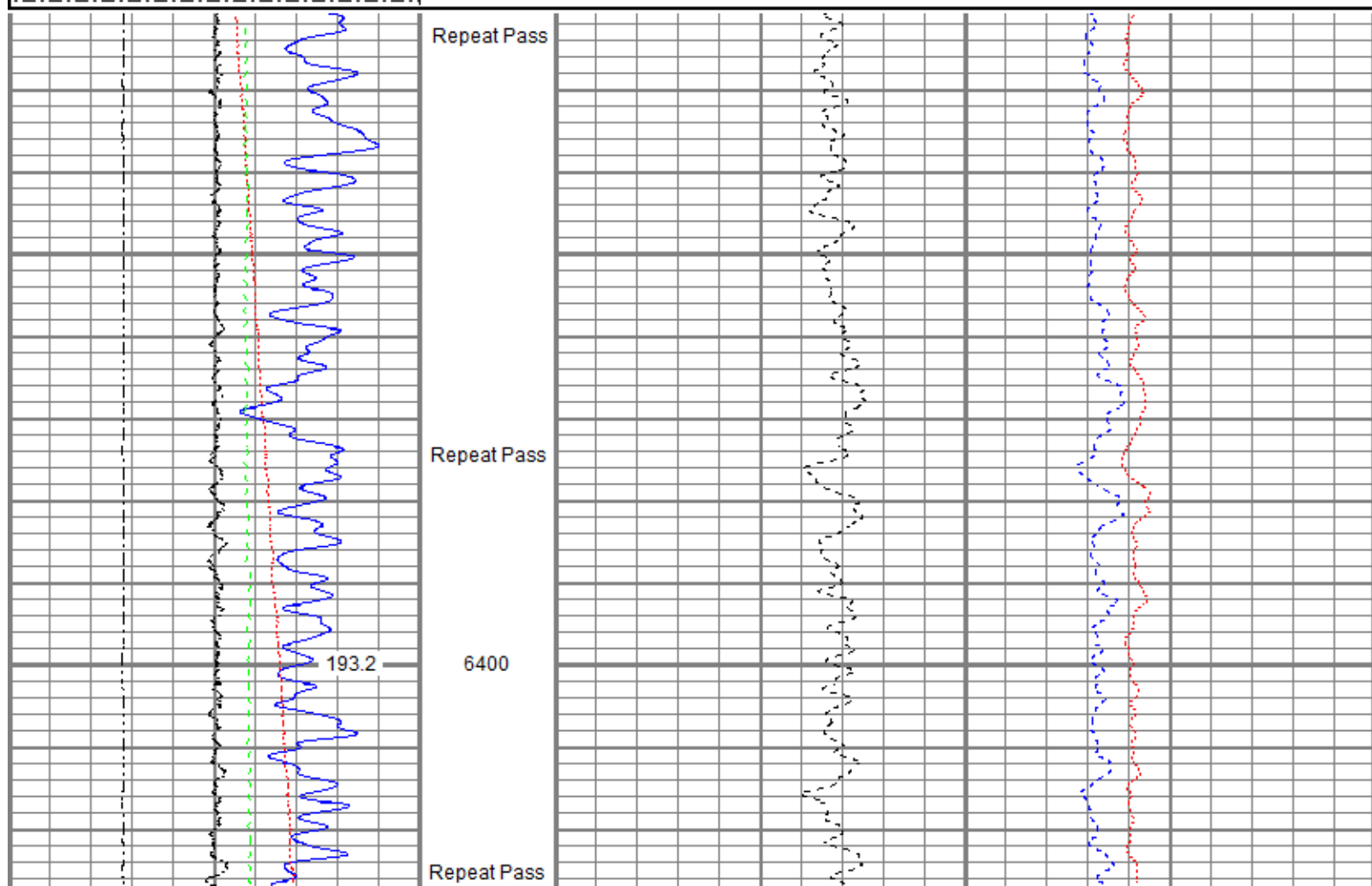
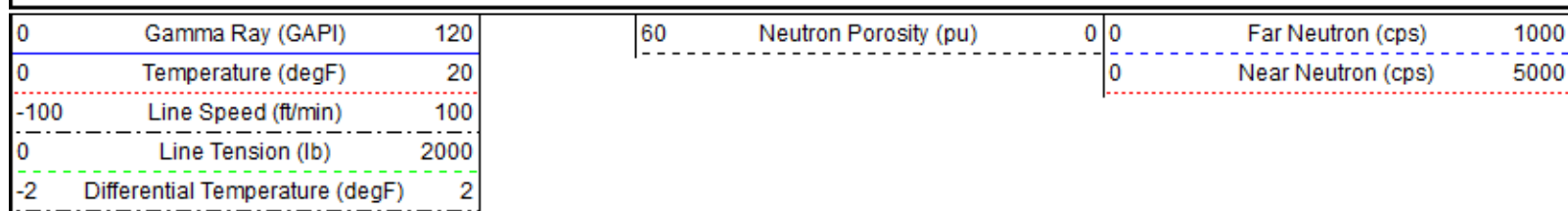


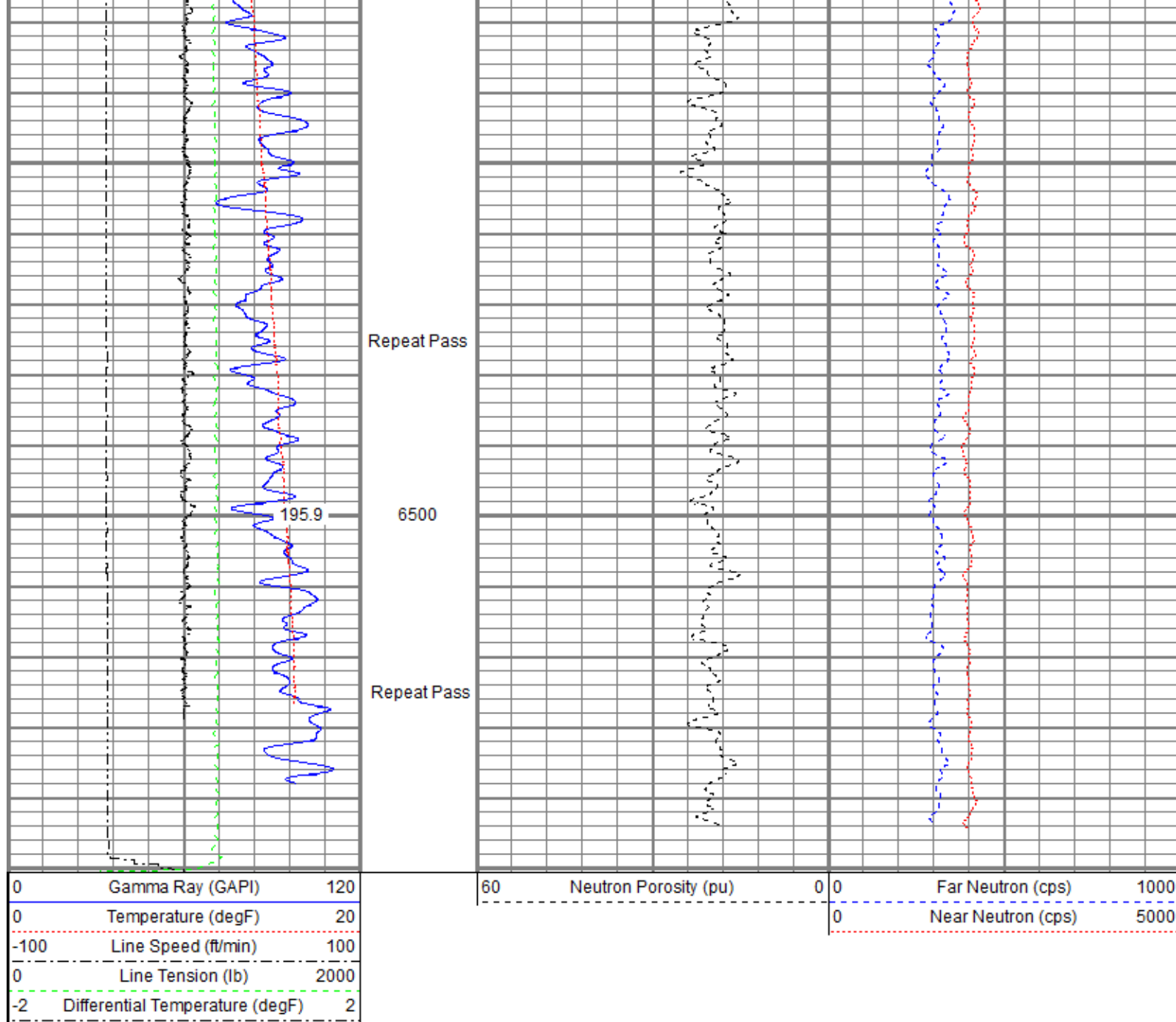


Repeat Pass




Recorded With 0 PSI Surface Induced Pressure

Database File hergenreder 7n-4hz\0512345859_anadarko_hergenreder 7n-4hz_cnl_04-10-18.db
 Dataset Pathname pass2
 Presentation Format ros_cnl_probe
 Dataset Creation Tue Apr 10 11:01:17 2018
 Charted by Depth in Feet scaled 1:240





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	22.08		Titan CHD-14375 GO	1.03	1.44	3.60
			Titan 1-7/16" Assembled Electric Cable Head w/ 1" Fishing Neck			
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
WVFS8	19.84		Probe Radii-2750 RBT (FW0712-020) Probe 2-3/4" Radial Cement Bond Tool with Integral	9.39	2.75	105.00

WVFS7	19.84		Temperature Sub					
WVFS6	19.84							
WVFS5	19.84							
WVFS4	19.84							
WVFS3	19.84							
WVFS2	19.84							
WVFS1	19.84							
WVFCAL	19.84							
WVF3FT	19.84							
WVF5FT	18.84							
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00		
CCL\$2	11.83							
CCL\$1	11.83							
GR	10.50		Probe GR-CCL-2750 6PB (101001) Probe 2-3/4" rev.1 Digital Scintillation Gamma Ray/CCL Combined with 6 Pin Bottom for CNT	4.80	2.75	55.00		
CNLSC	4.53		Probe CN-2750 BL (FW1308-020_A1483) Probe 2-3/4" Compensated Neutron with Bottom Load	5.03	2.75	60.00		
CNSSC	4.12							
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00		
Dataset: 0512345859_Anadarko_Hergenreder 7N-4HZ_CNL_04-10-18.db: field/well/run1/pass4.1								
Total length: 28.90 ft								
Total weight: 283.60 lb								
O.D.: 2.75 in								

Calibration Report						
Database File	C:\ProgramData\Warrior\Data\Hergenreder 7N-4HZ\0512345859_Anadarko_Hergenreder 7N-4HZ_CNL_04-10-18.db					
Dataset Pathname	pass4.1					
Dataset Creation	Tue Apr 10 13:44:57 2018					
Compensated Neutron Calibration Report						
Serial Number:			FW1308-020_A1483			
Tool Model:			2750 BL			
CALIBRATION		Wed Oct 11 09:42:11 2017				
Detector	Readings		Target		Normalization	
Short Space	3241.60	cps	0.00	cps	1.0000	
Long Space	452.04	cps	0.00	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:	101001		
Tool Model:	2750 6PB		
Performed:	Sun Nov 12 11:25:32 2017		
Calibrator Value:	637.0	GAPI	
Background Reading:	100.6	cps	
Calibrator Reading:	981.1	cps	
Sensitivity:	0.7235	GAPI/cps	

Segmented Cement Bond Log Calibration Report

Serial Number:	FW0712-020		
Tool Model:	2750 RBT		
Calibration Casing Diameter:	5.500	in	
Calibration Depth:	-0.199	ft	

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.012	0.381	0.800	71.921	181.157	2.930
CAL	0.006	0.383				
5'	-0.014	0.349	0.800	71.921	195.927	3.533
SUM						
S1	-0.027	0.358	0.000	100.000	259.727	6.936
S2	-0.029	0.377	0.000	100.000	246.656	7.085
S3	-0.019	0.395	0.000	100.000	241.754	4.505
S4	-0.006	0.403	0.000	100.000	244.821	1.360
S5	0.001	0.408	0.000	100.000	245.494	-0.153
S6	-0.005	0.397	0.000	100.000	249.167	1.161
S7	-0.018	0.376	0.000	100.000	253.863	4.623
S8	-0.025	0.366	0.000	100.000	255.625	6.336

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	0.383	1.000	0.000

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number: FW0712-020
Tool Model: 2750 RBT
Performed: Thu Dec 21 07:48:40 2017

	Reference	Reading
Low Reference:	100.00 degF	109.43 degF
High Reference:	350.00 degF	405.87 degF

Gain: 0.84
Offset: 7.72
Delta Spacing: 1



Company Kerr-McGee Oil & Gas Onshore, L.P.
Well Hergenreder 7N-4HZ
Field Wattenberg
County Weld
State Colorado