



Temperature
Gamma Ray
Casing Collar Log

Company TEP Rocky Mountain LLC		Well Federal RWF 422-8		Field Rulison		County Garfield		State Colorado							
Location:		API # : 05-045-24316		Other Services											
SEC 8		TWP 6S		RGE 94W											
Permanent Datum		Ground Level		Elevation		5979.6'									
Log Measured From		Kelly Bushing		24 FT											
Drilling Measured From		Kelly Bushing													
Date		25-OCT-2020													
Run Number		One													
Depth Driller		9625 FT													
Depth Logger		9495 FT													
Bottom Logged Interval		9495 FT													
Top Log Interval		Surface													
Open Hole Size		8.750"													
Type Fluid		Fresh Water													
Density / Viscosity		8.34 lb/gal													
Max. Recorded Temp.		247°F													
Estimated Cement Top		2500 FT													
Time Well Ready		ROA													
Time Logger on Bottom		08:30													
Equipment Number		HD-0331													
Location		Grand Junction, CO													
Recorded By		A. Ellsworth													
Witnessed By		S. Bunnamer													
Borehole Record		Bit		From		To		Size		Weight		From		To	
Run Number															
Casing Record		Size (in)		Wgt (lbs/ft)		Grade		Top		Bottom					
Surface Casing		9.5/8		36		J-55		Surface		1041 FT					
Intermediate #1		4 1/2		11.6		P-110		Surface		9484 FT					
Intermediate #2															
Liner															

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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

Log ran as per customer request
Depth referenced to Kelly Bushing at 24 FT
Log ran from Surface to 9495 FT
Log ran with 0 PSI Surface Induced Pressure

Thank you for choosing Reliance Oilfield Services, LLC!!



Main Pass (Quick Look)

Recorded With 0 PSI Surface Induced Pressure

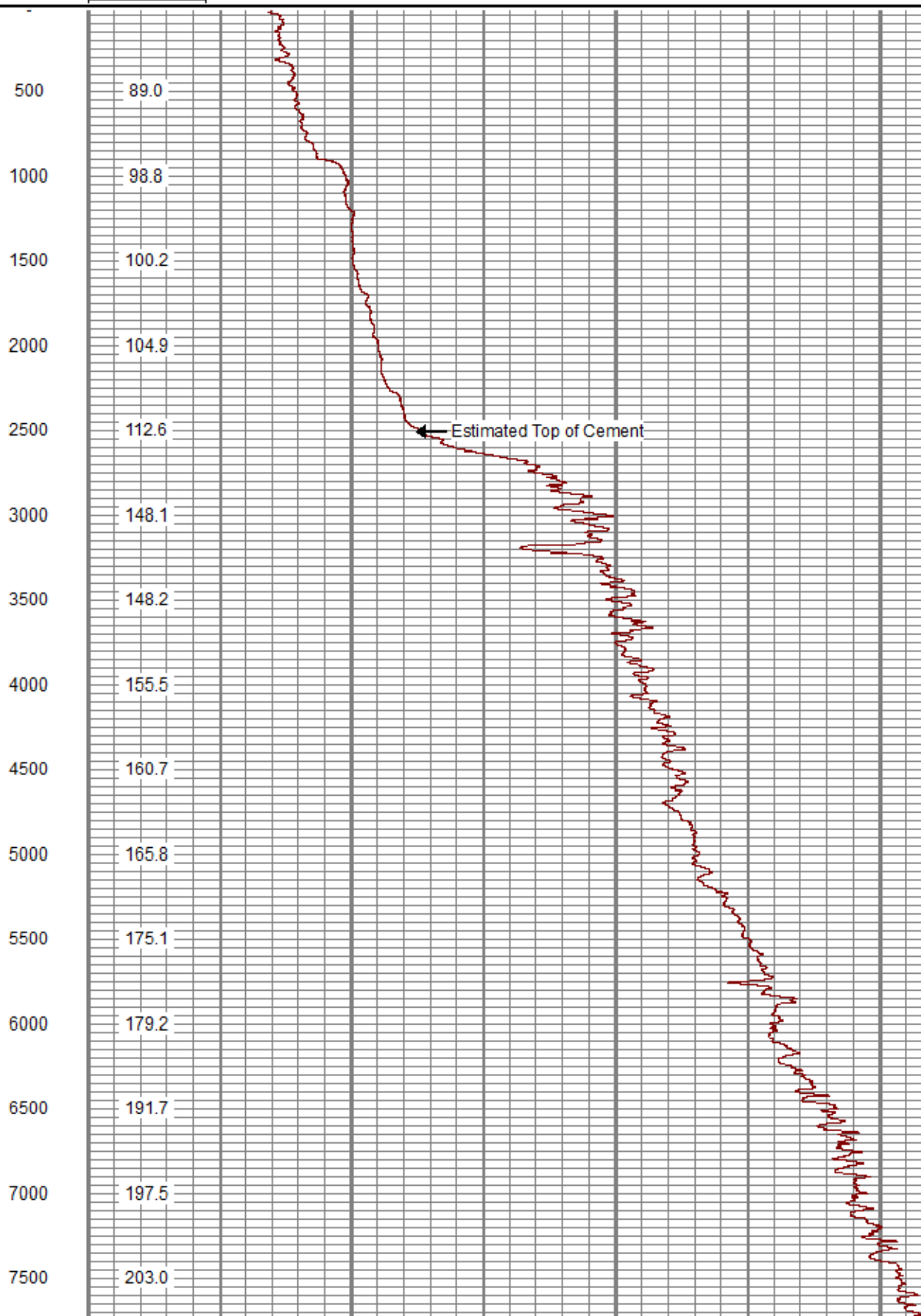
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Presentation Format	ros_temp_qi_tep
Dataset Creation	Sun Oct 25 08:45:17 2020
Charted by	Depth in Feet scaled 1:10000

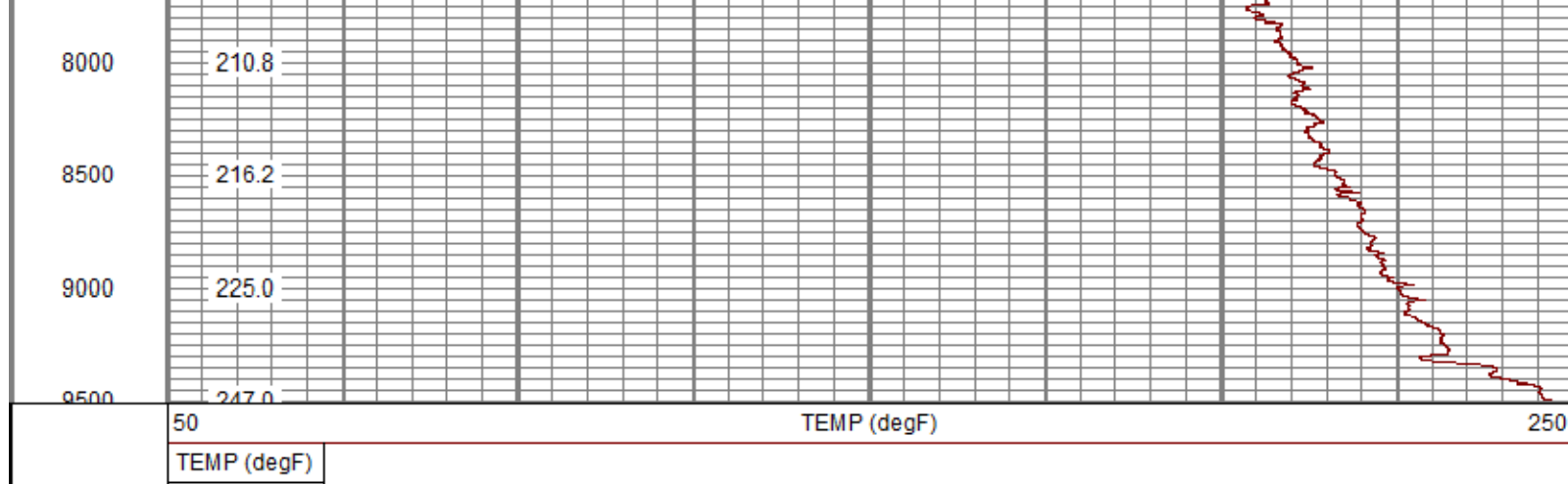
50

TEMP (degF)

250

TEMP (degF)



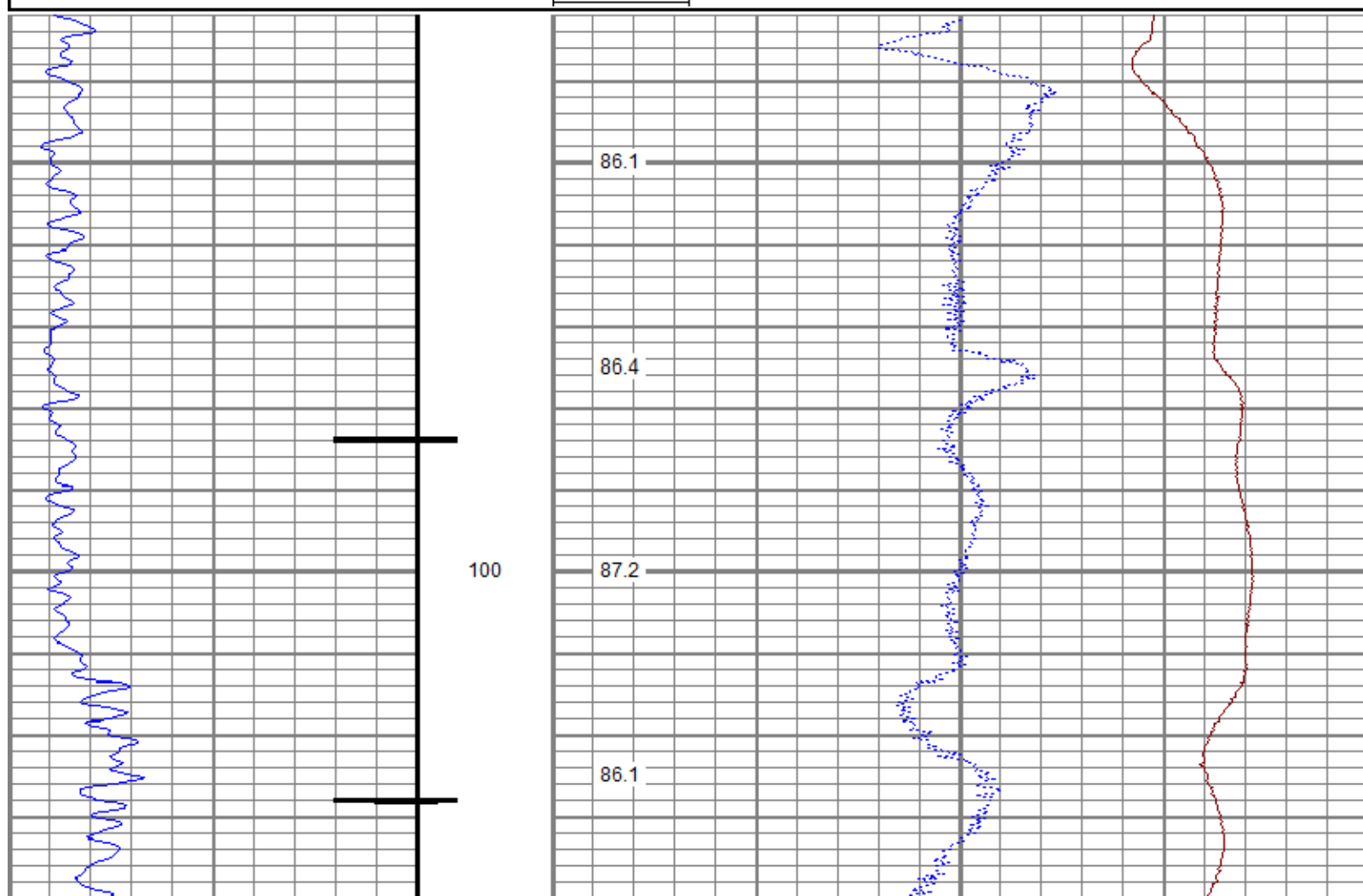


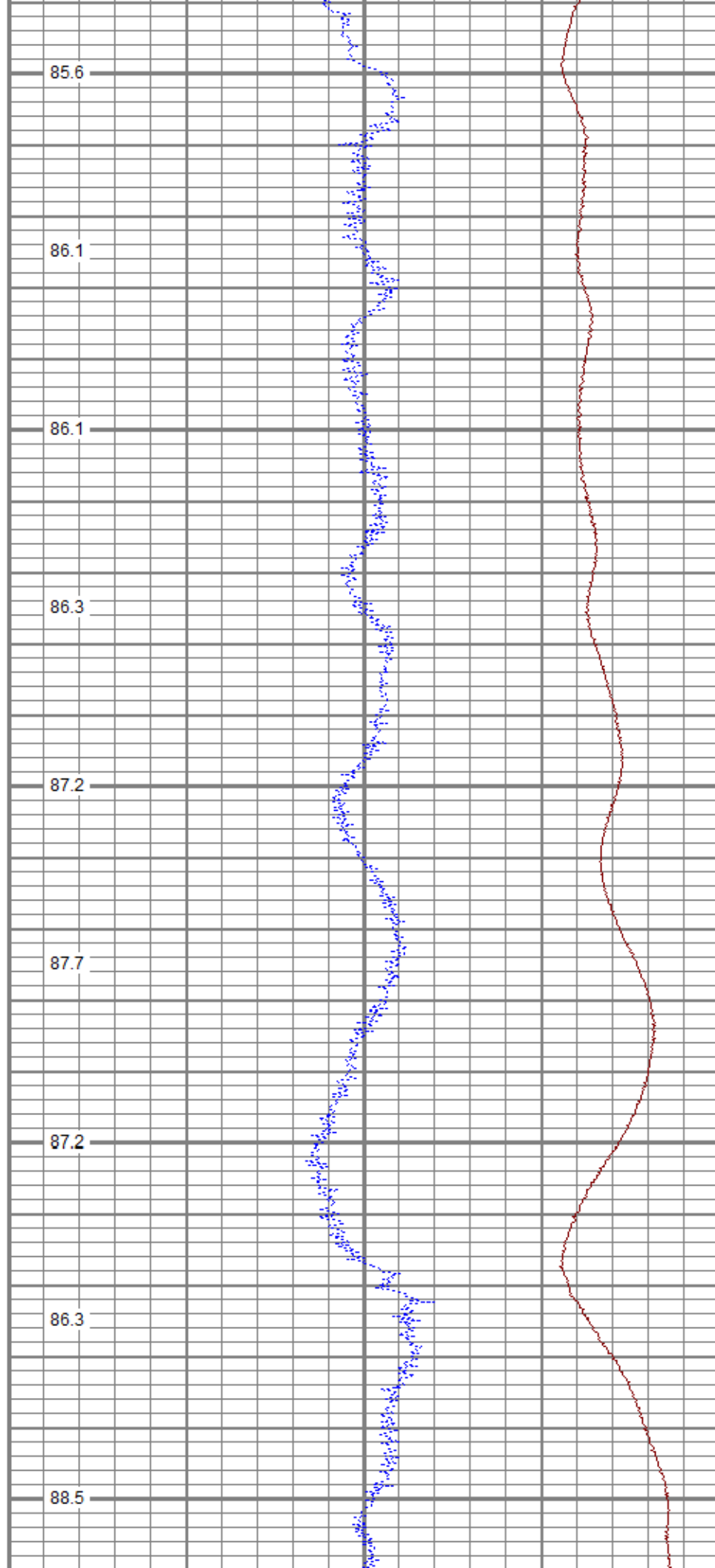
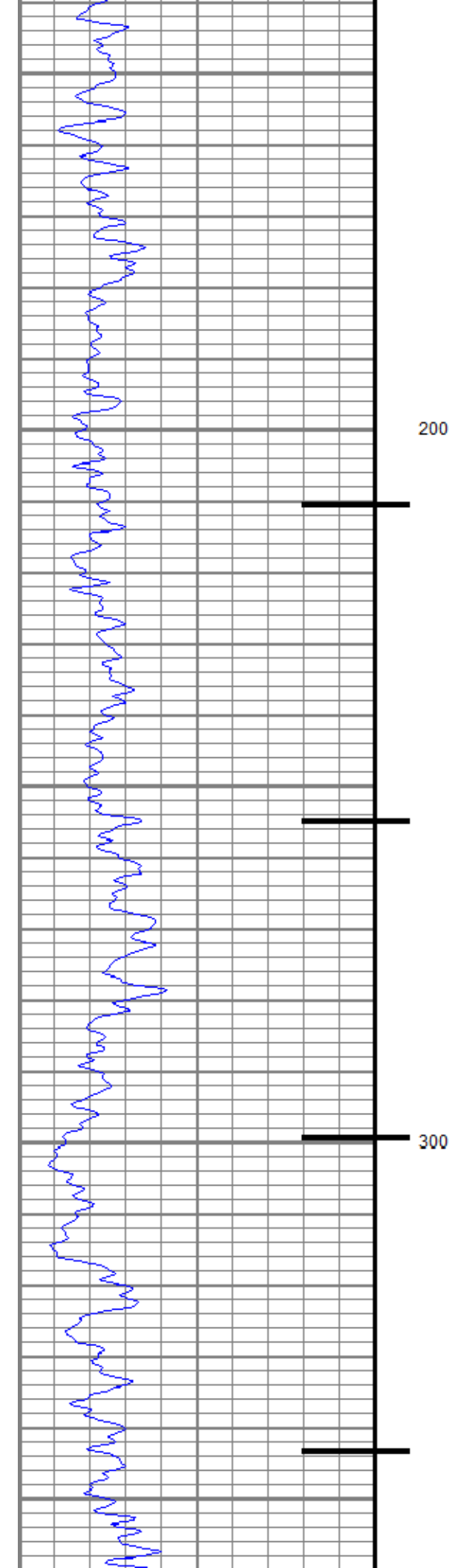
Main Pass

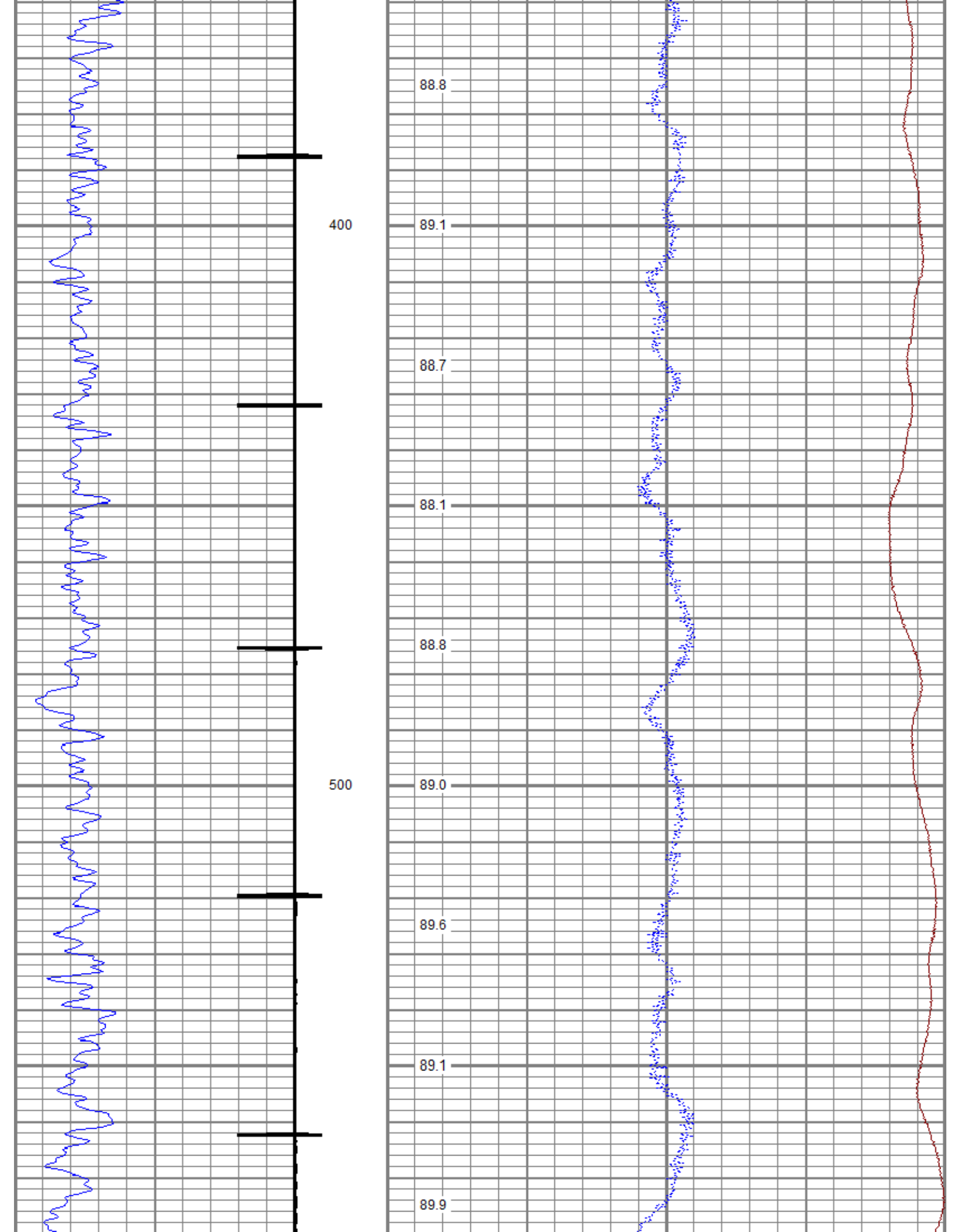
Recorded With 0 PSI Surface Induced Pressure

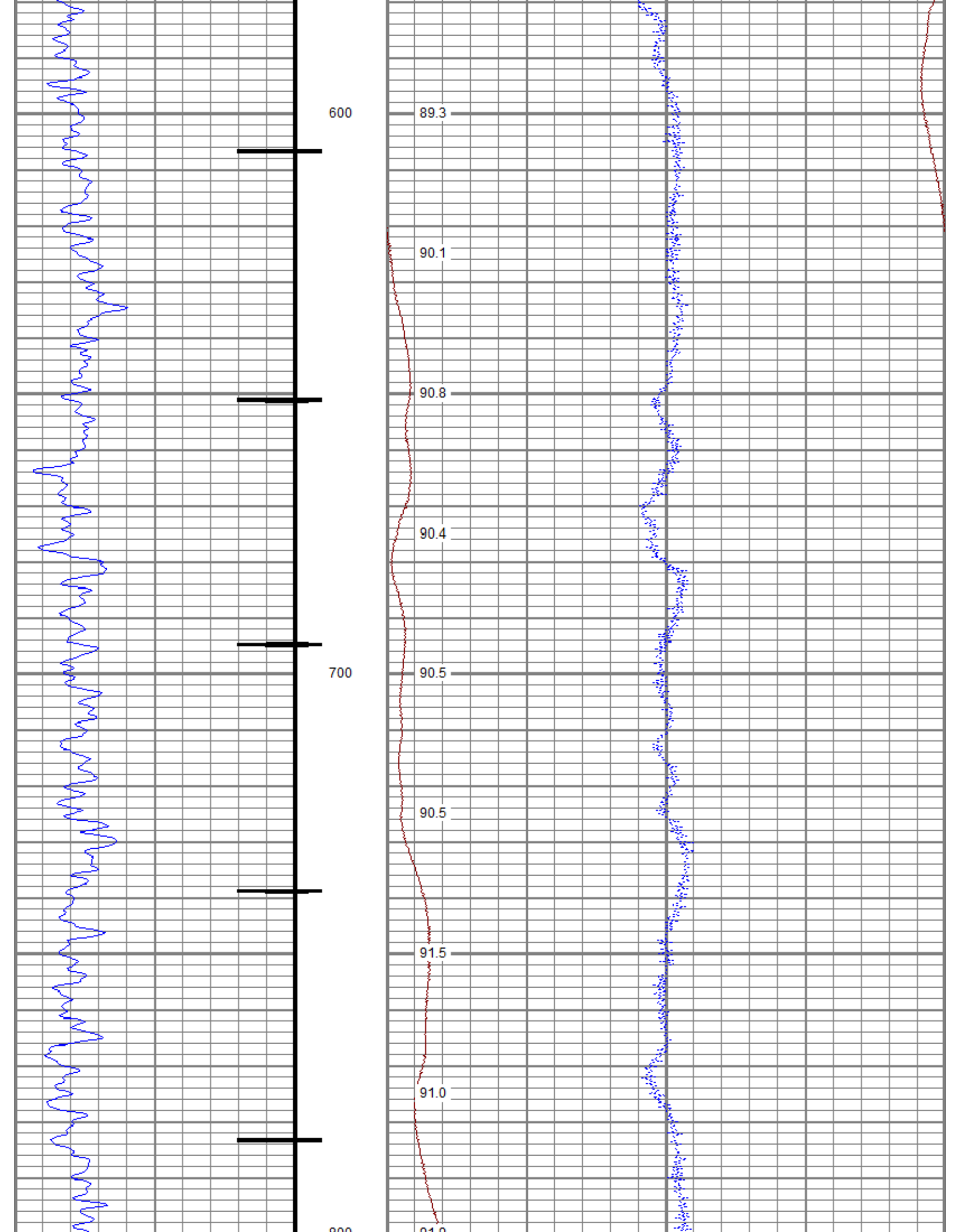
Database File federal rnf 422-8\tep_federal rnf 422-8_temp_10-25-20.db
 Dataset Pathname main
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 Dataset Creation Sun Oct 25 07:20:46 2020
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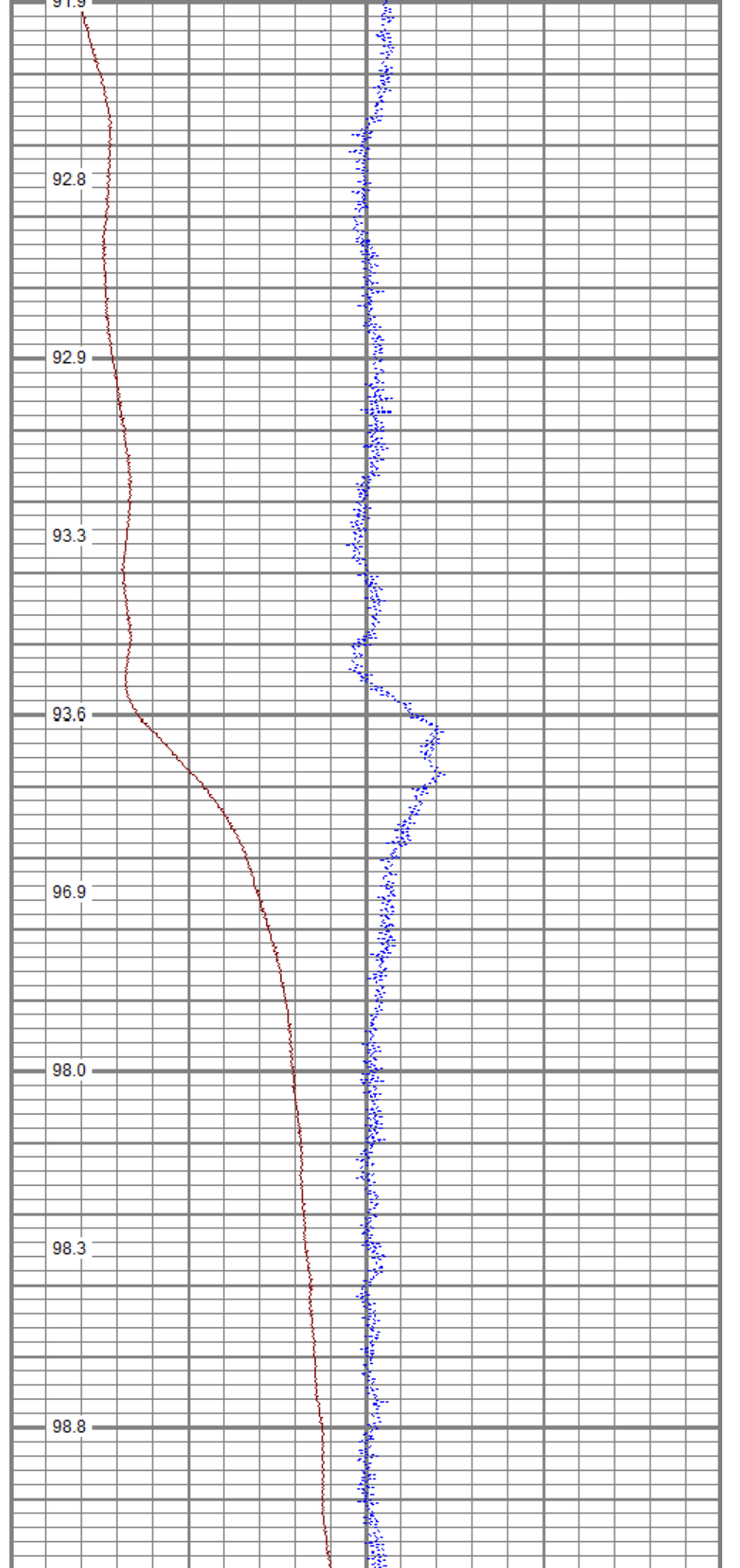
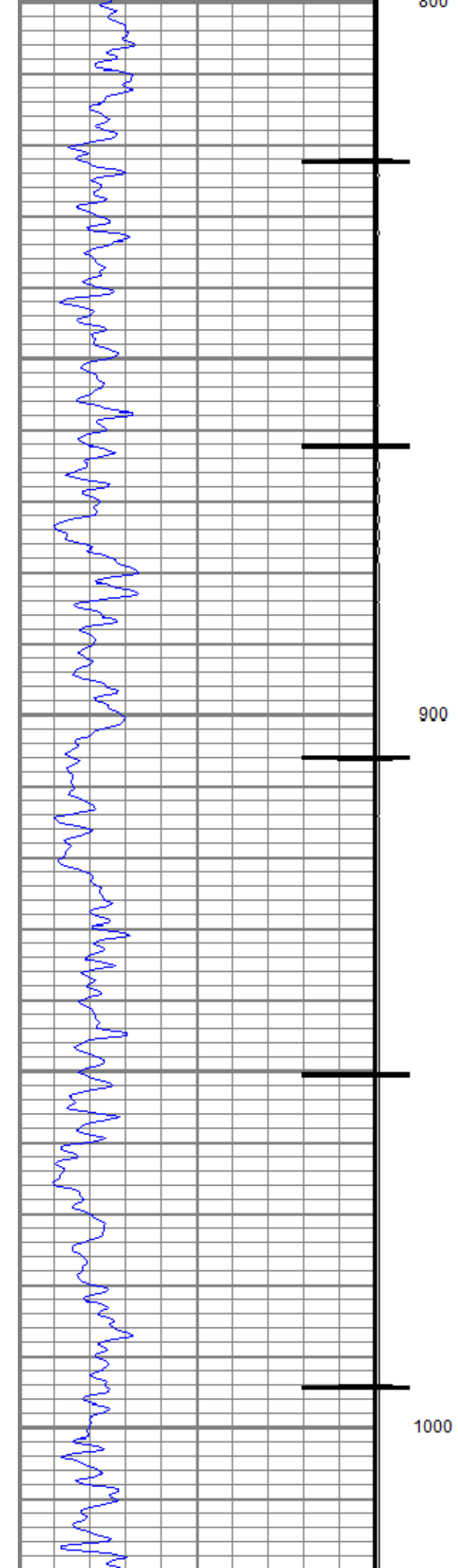
0	Gamma Ray (GAPI)	120	LTEN	50	TEMP (degF)	70
	Casing Collar Locator	0	(lb) 2000	-1	DTMP (degF)	1
				TEMP (degF)		

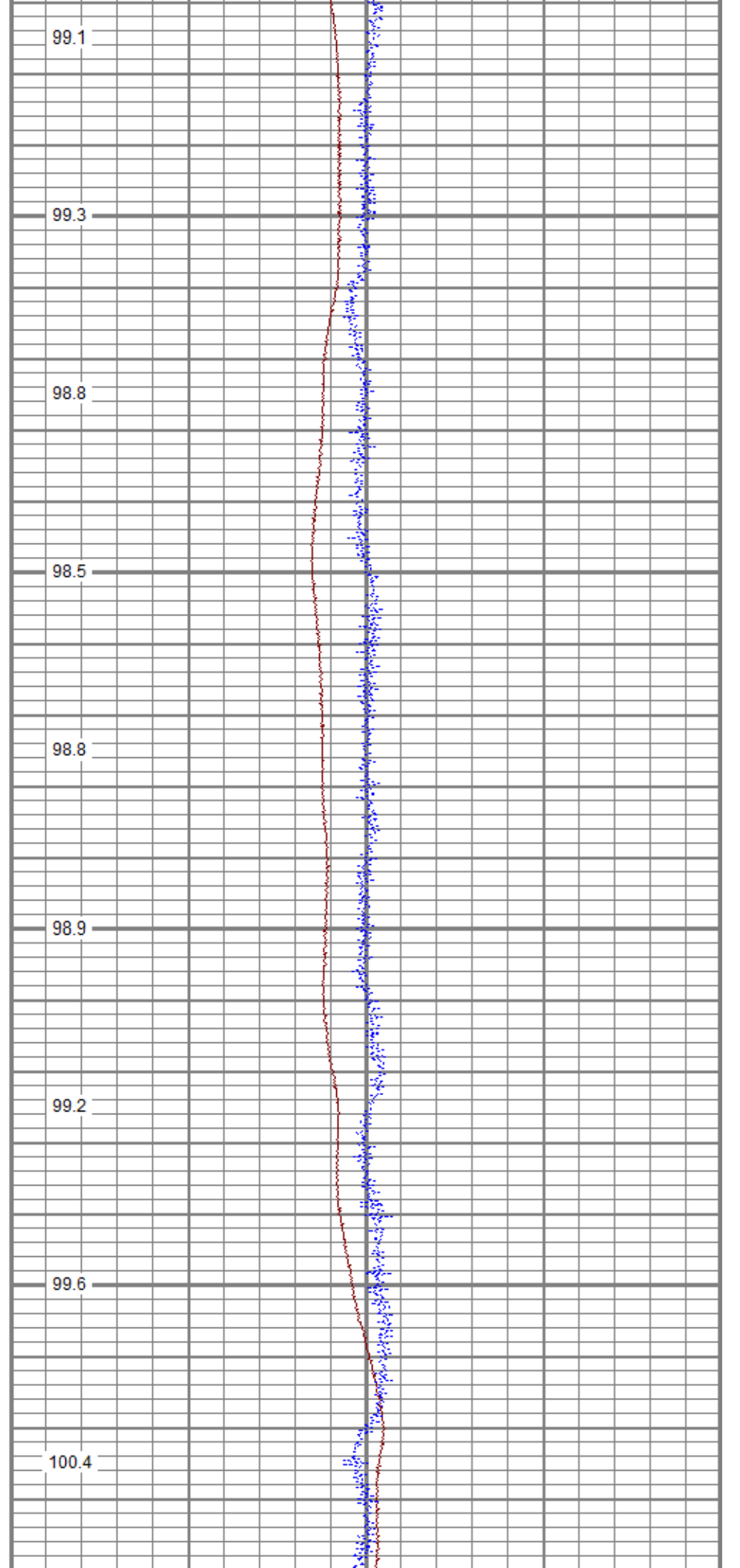
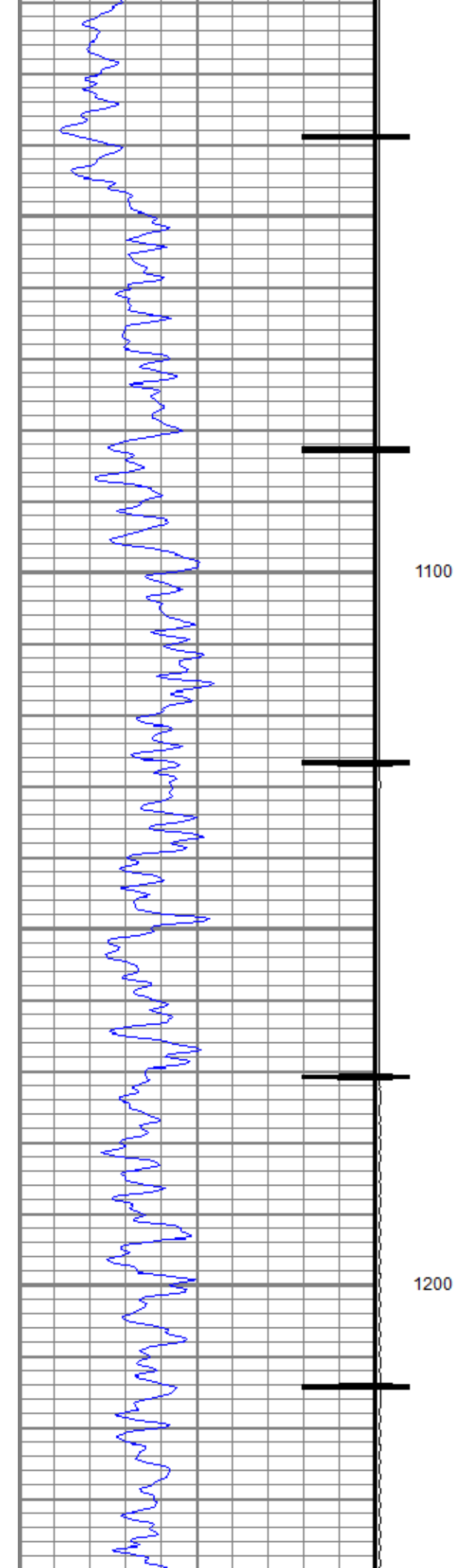


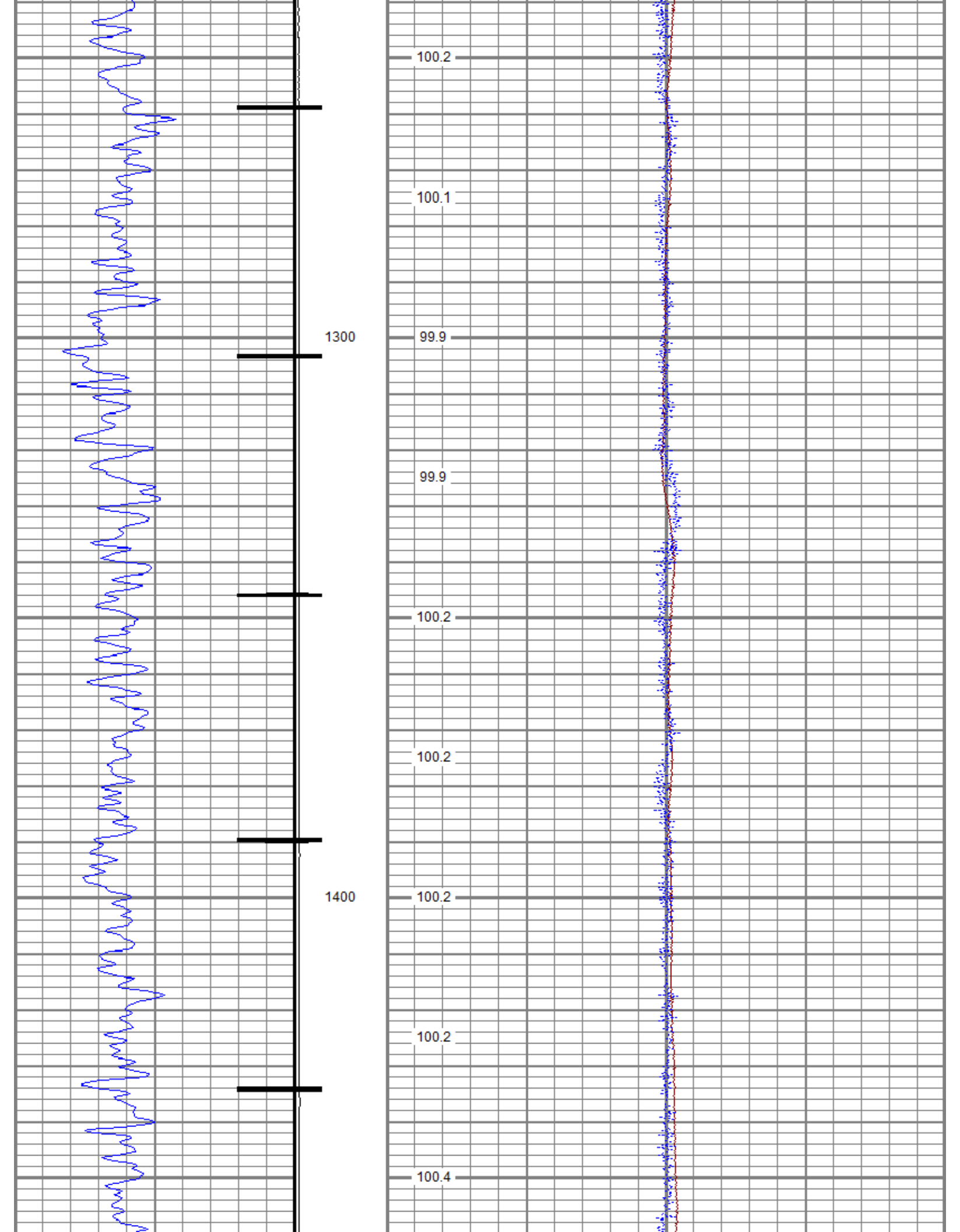


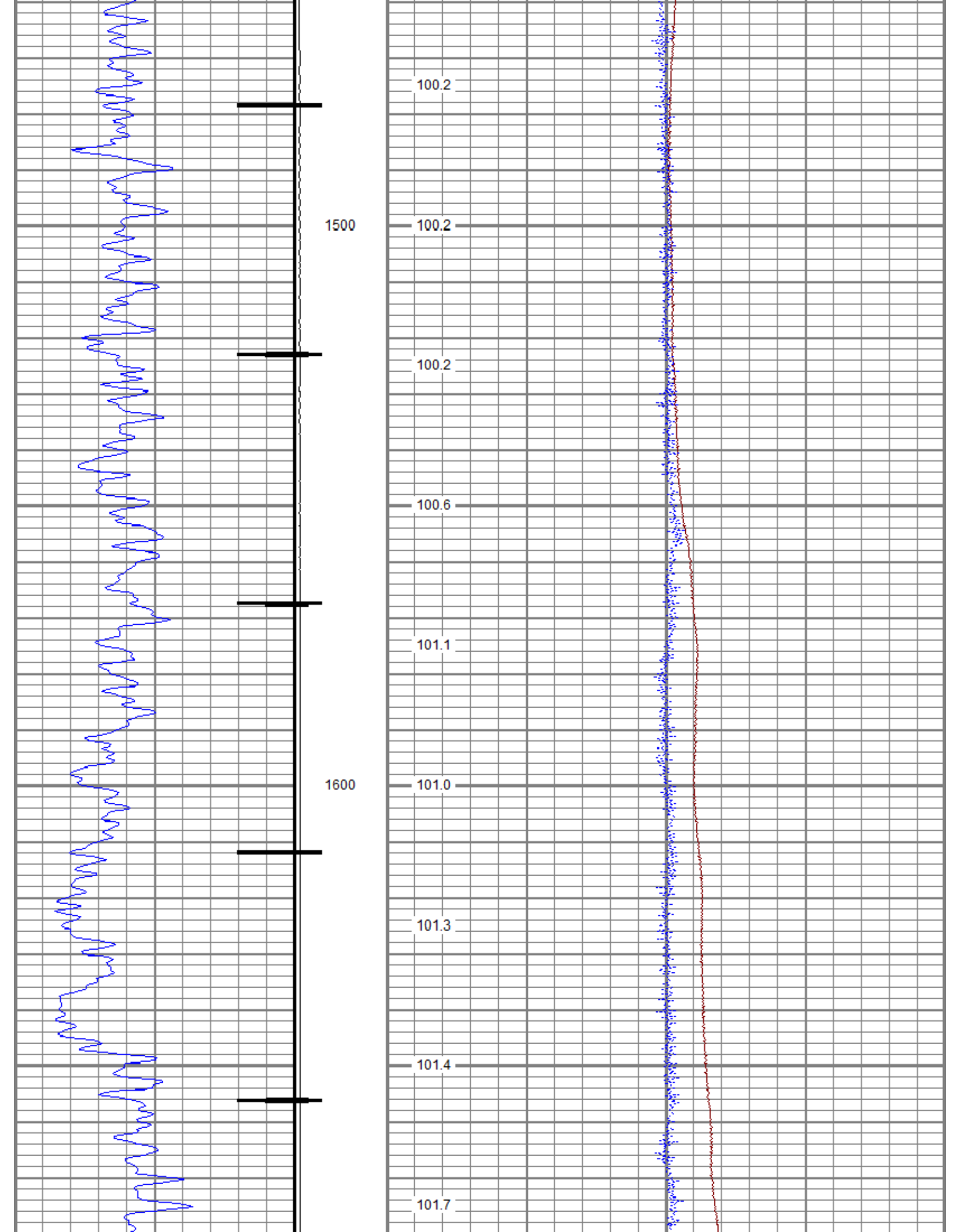


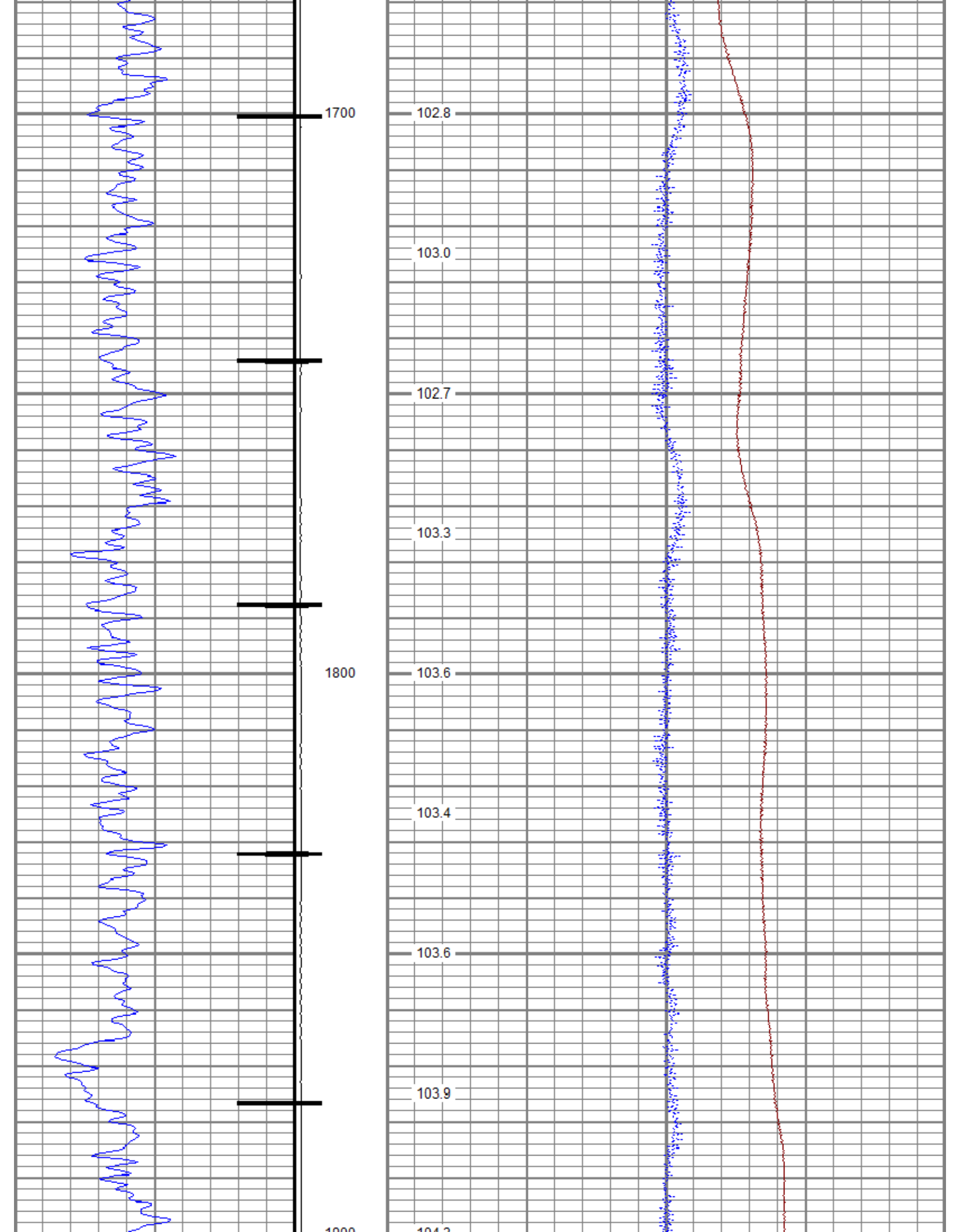


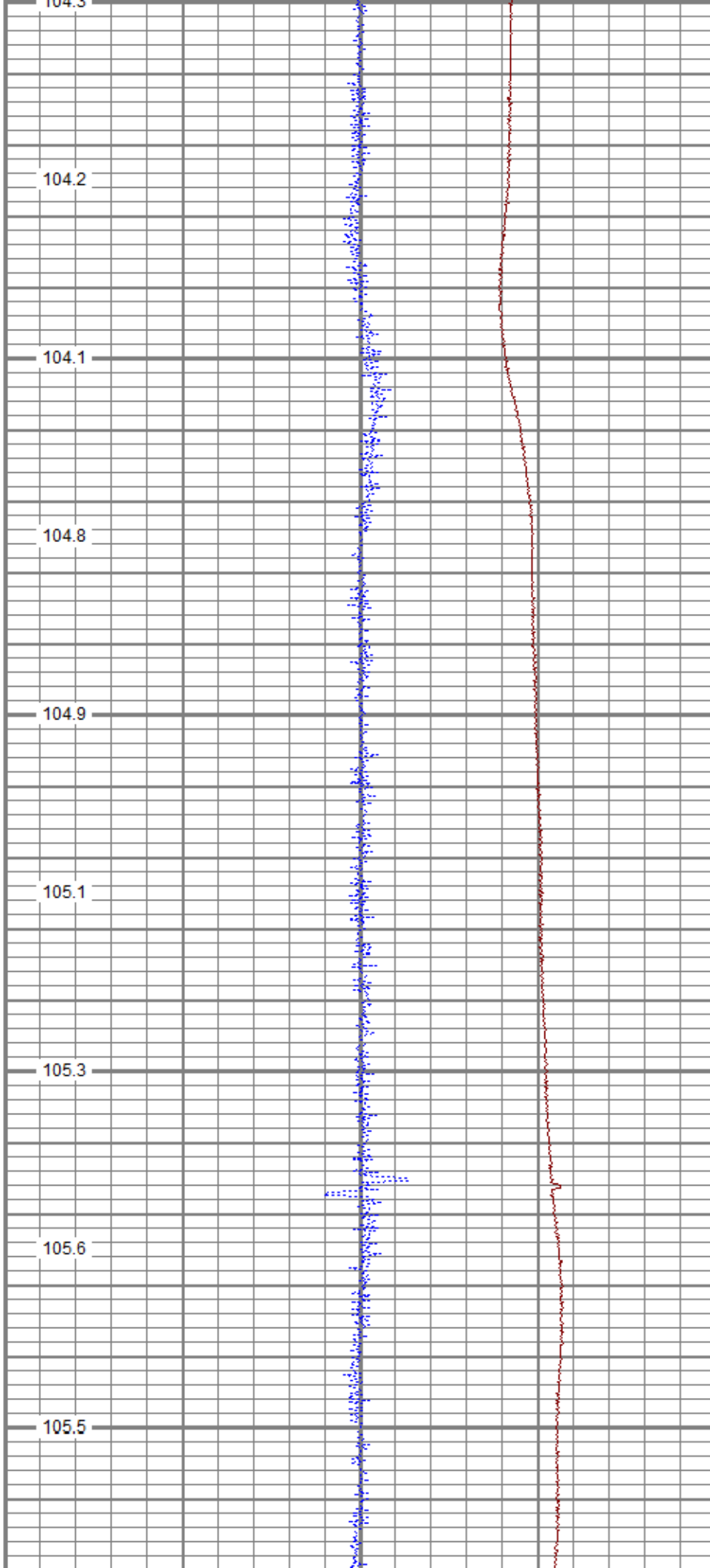
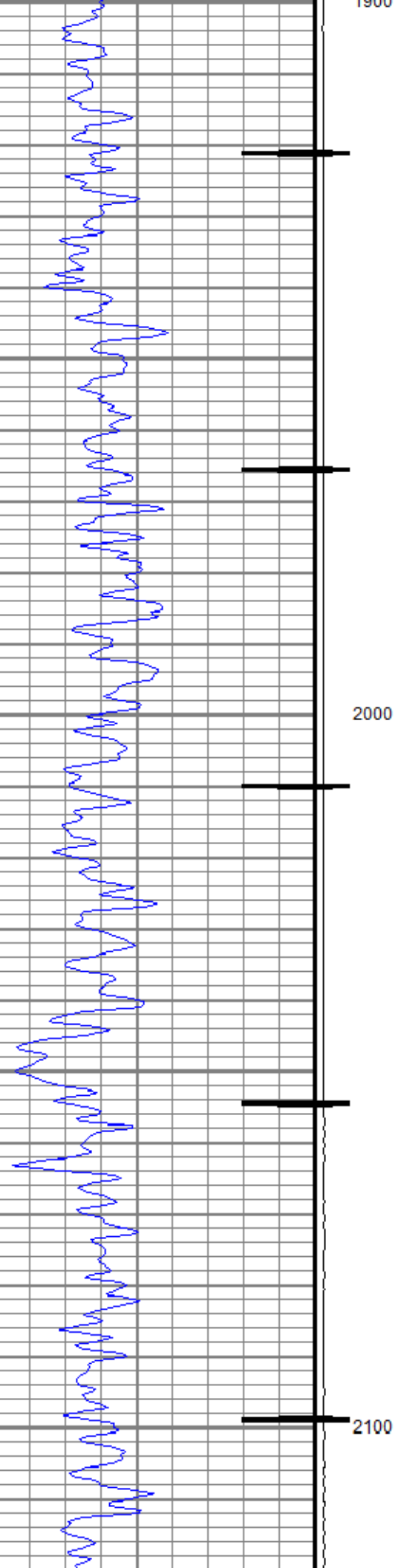


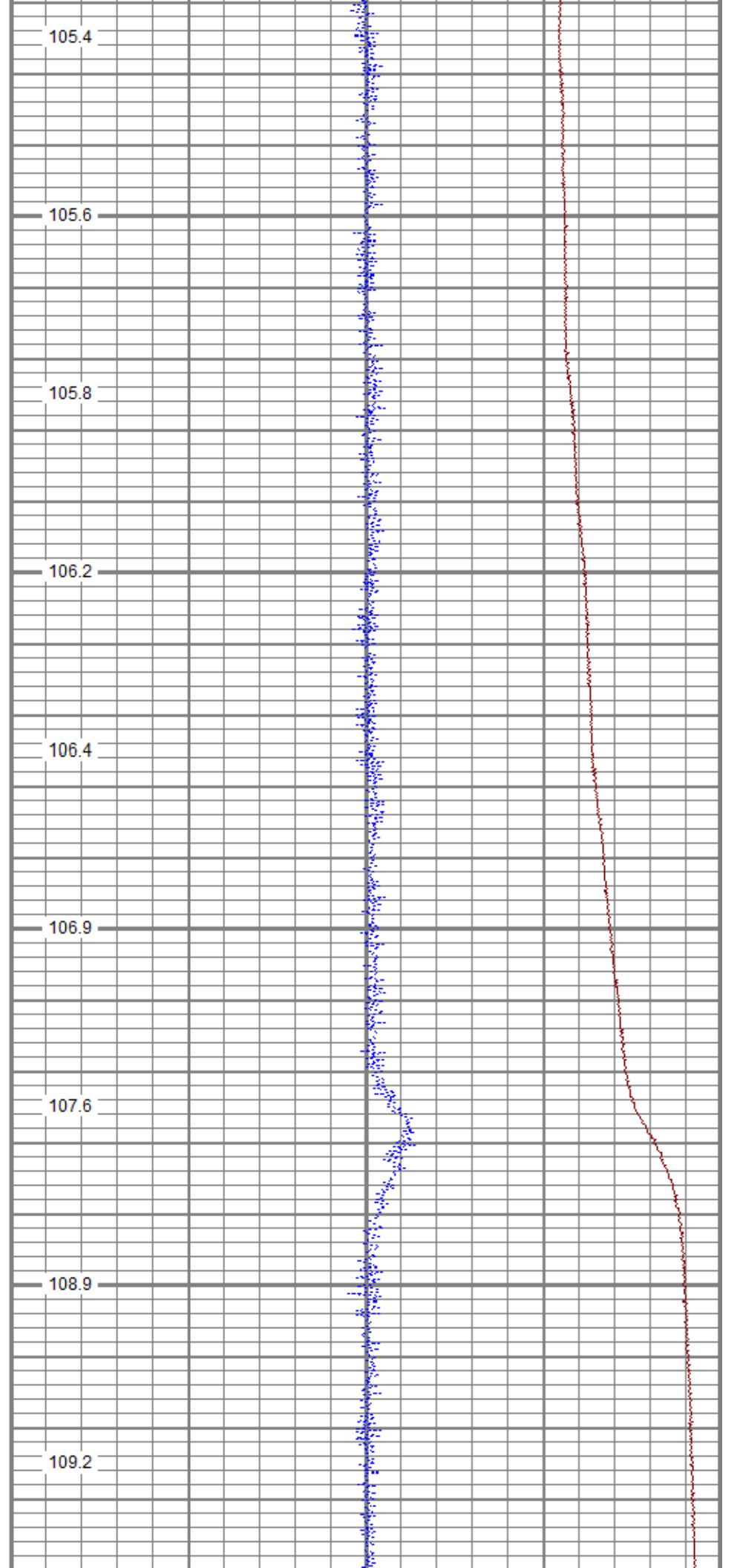
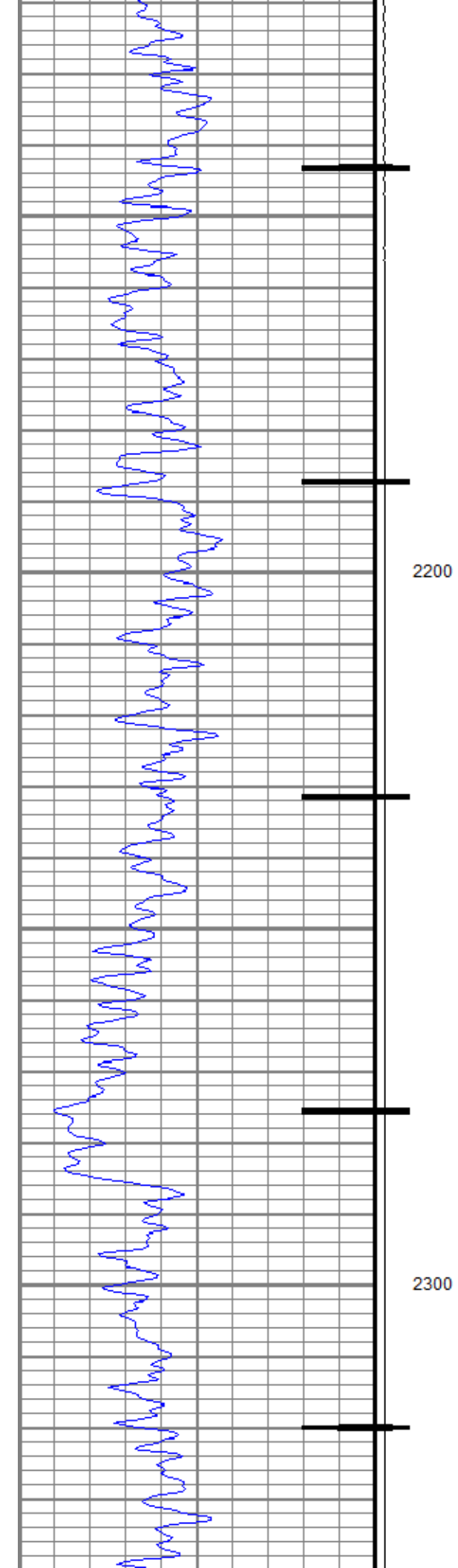


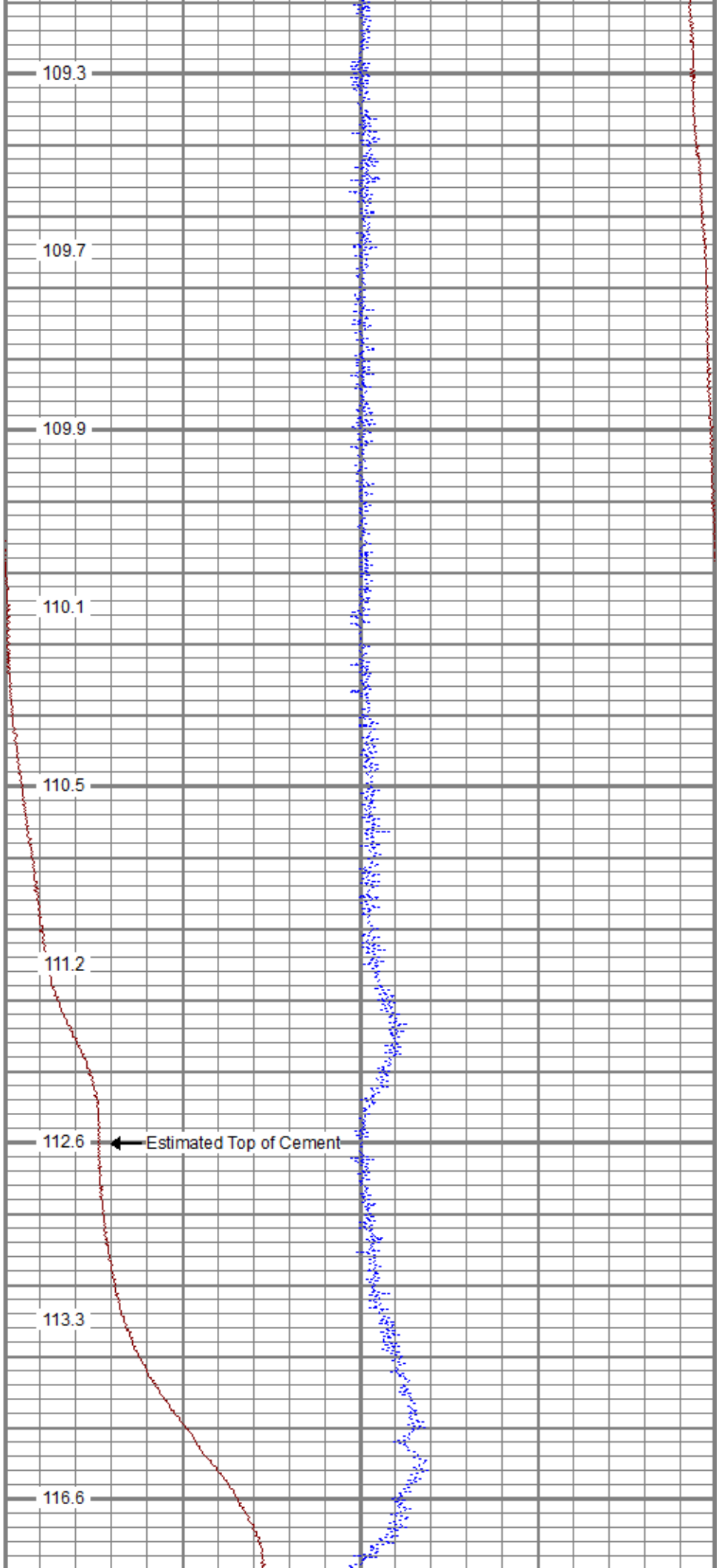
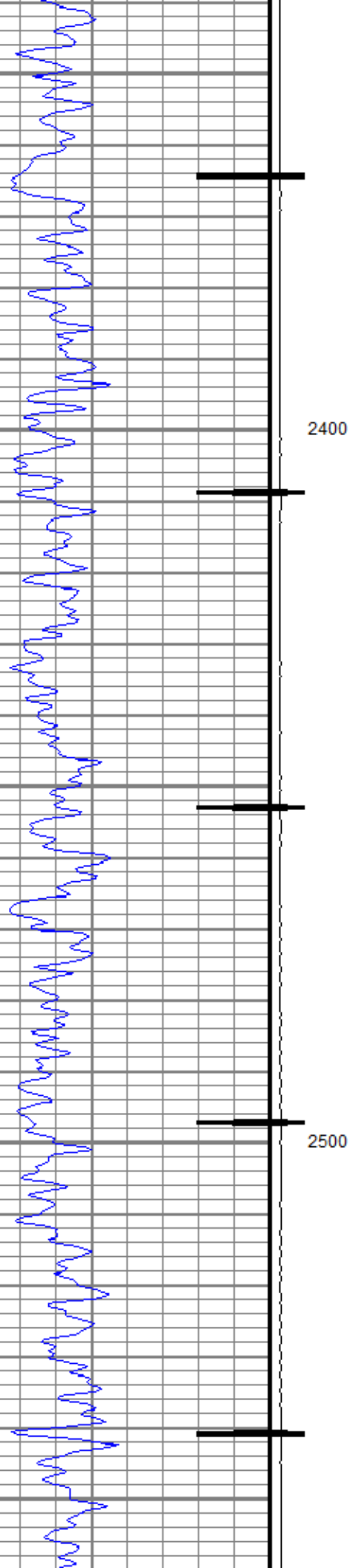


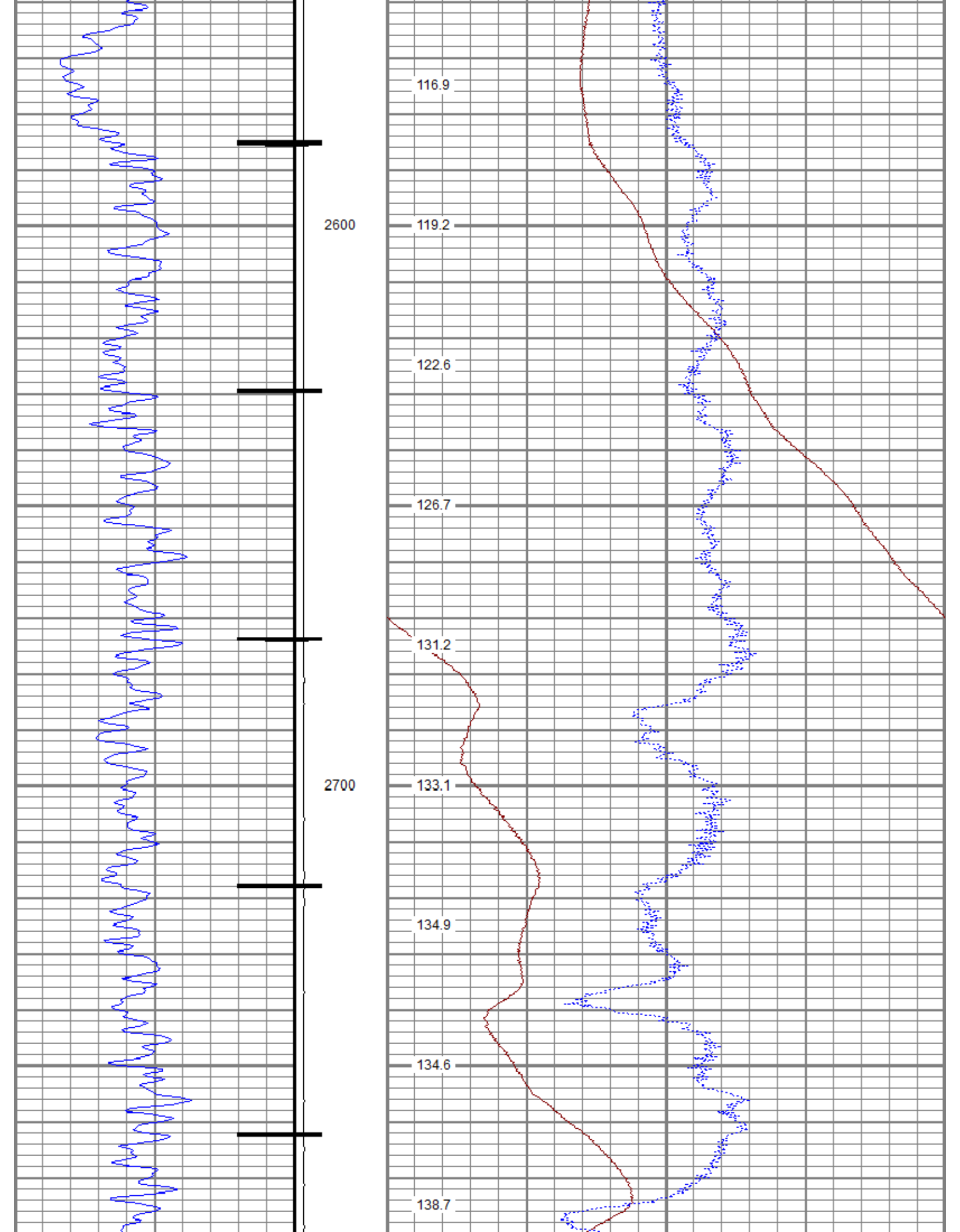


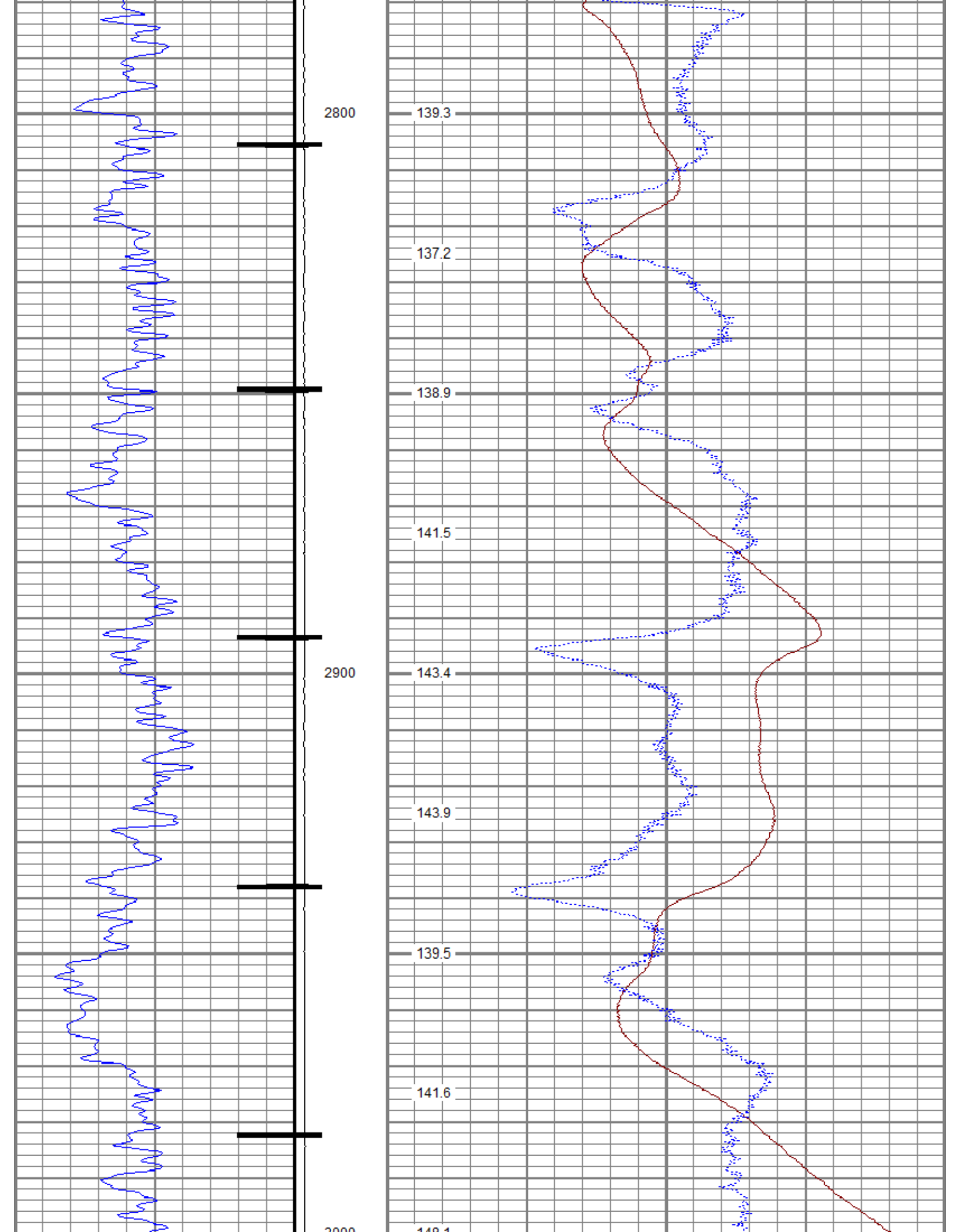


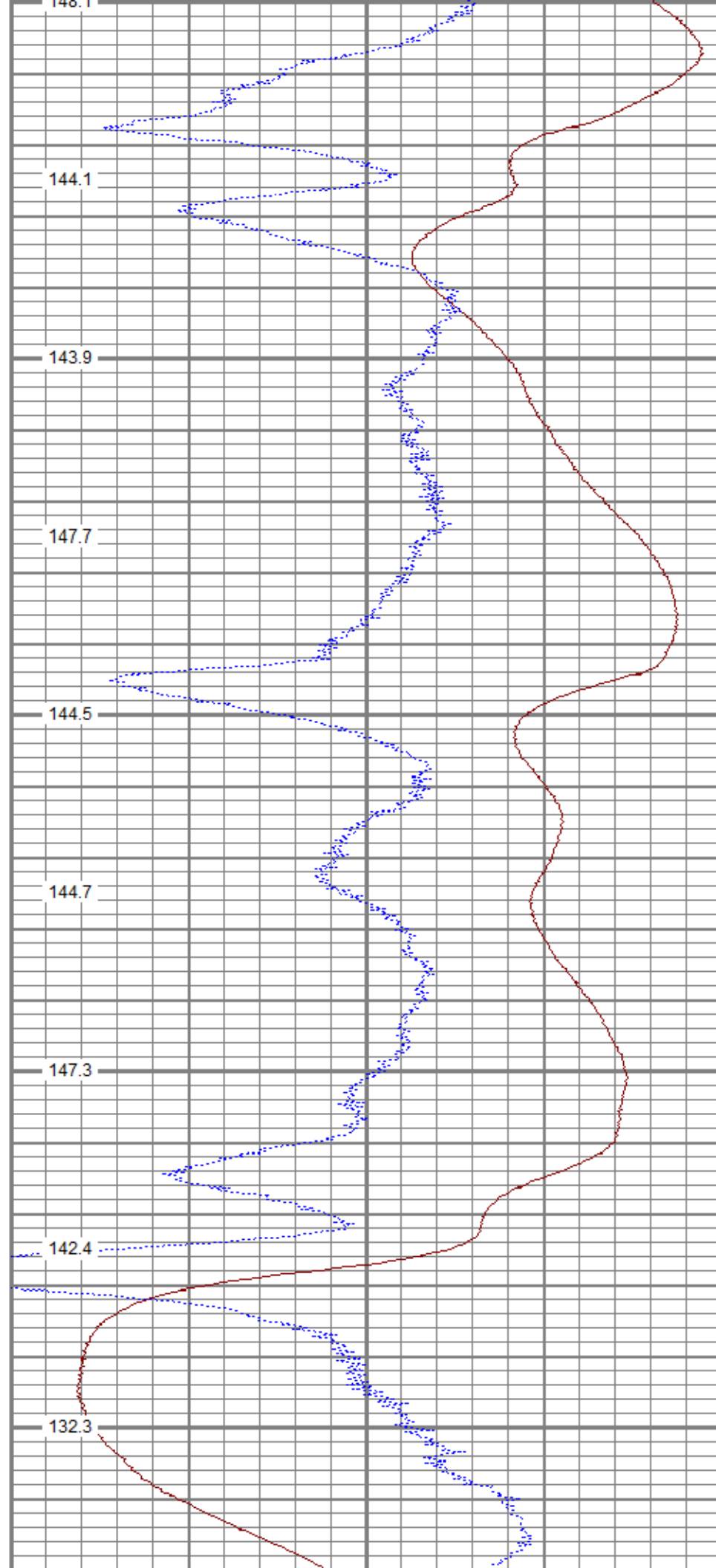
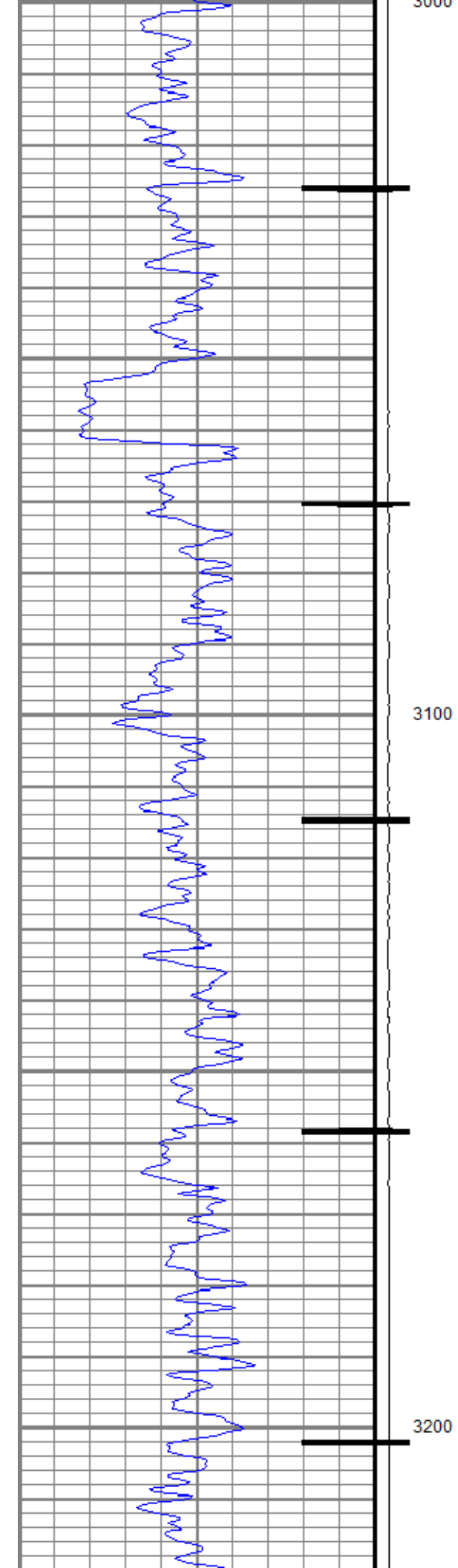


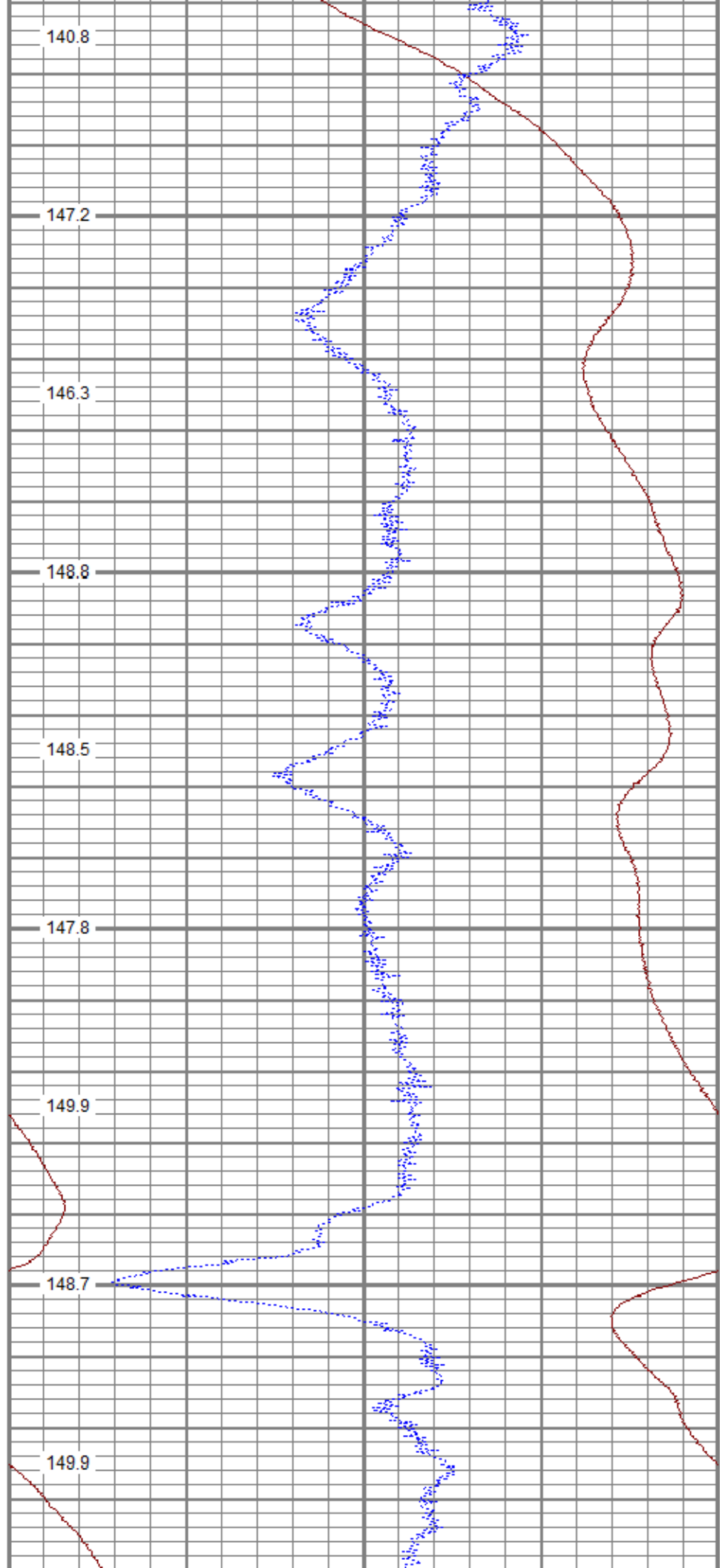
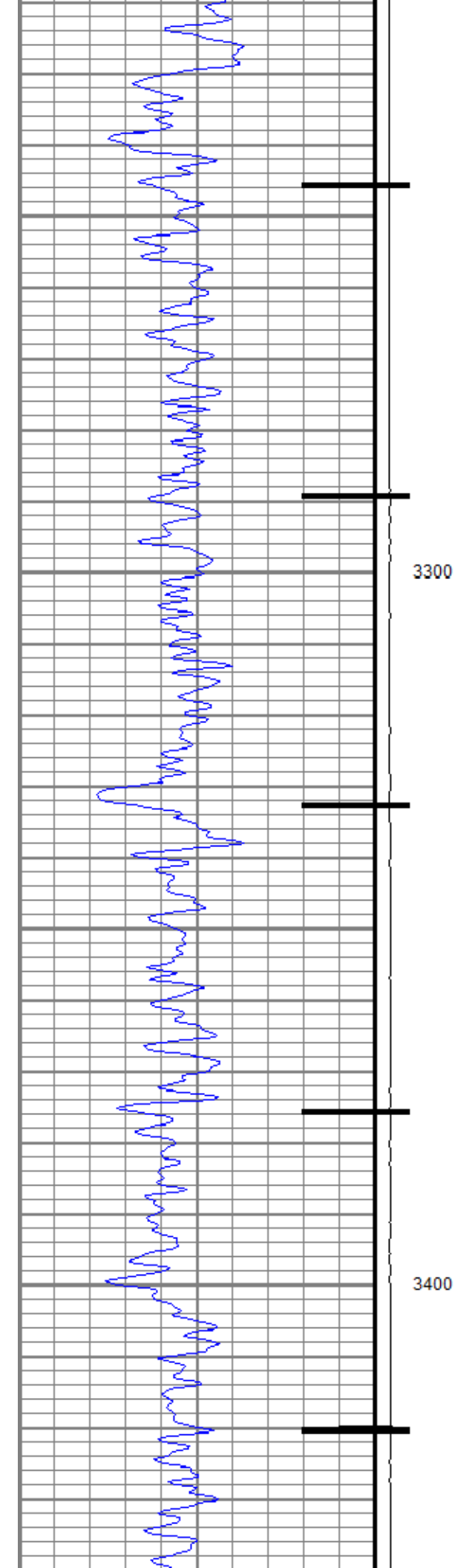


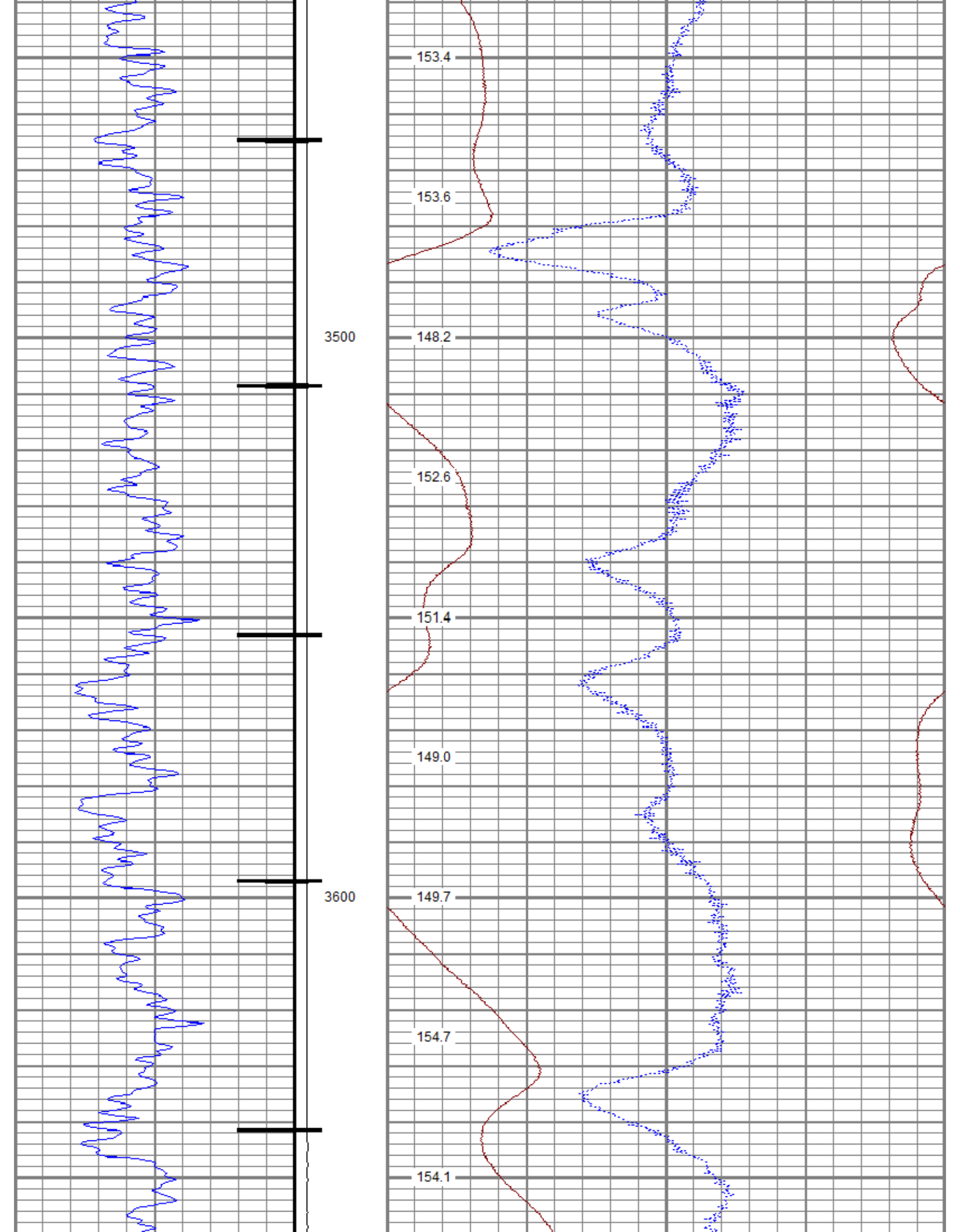


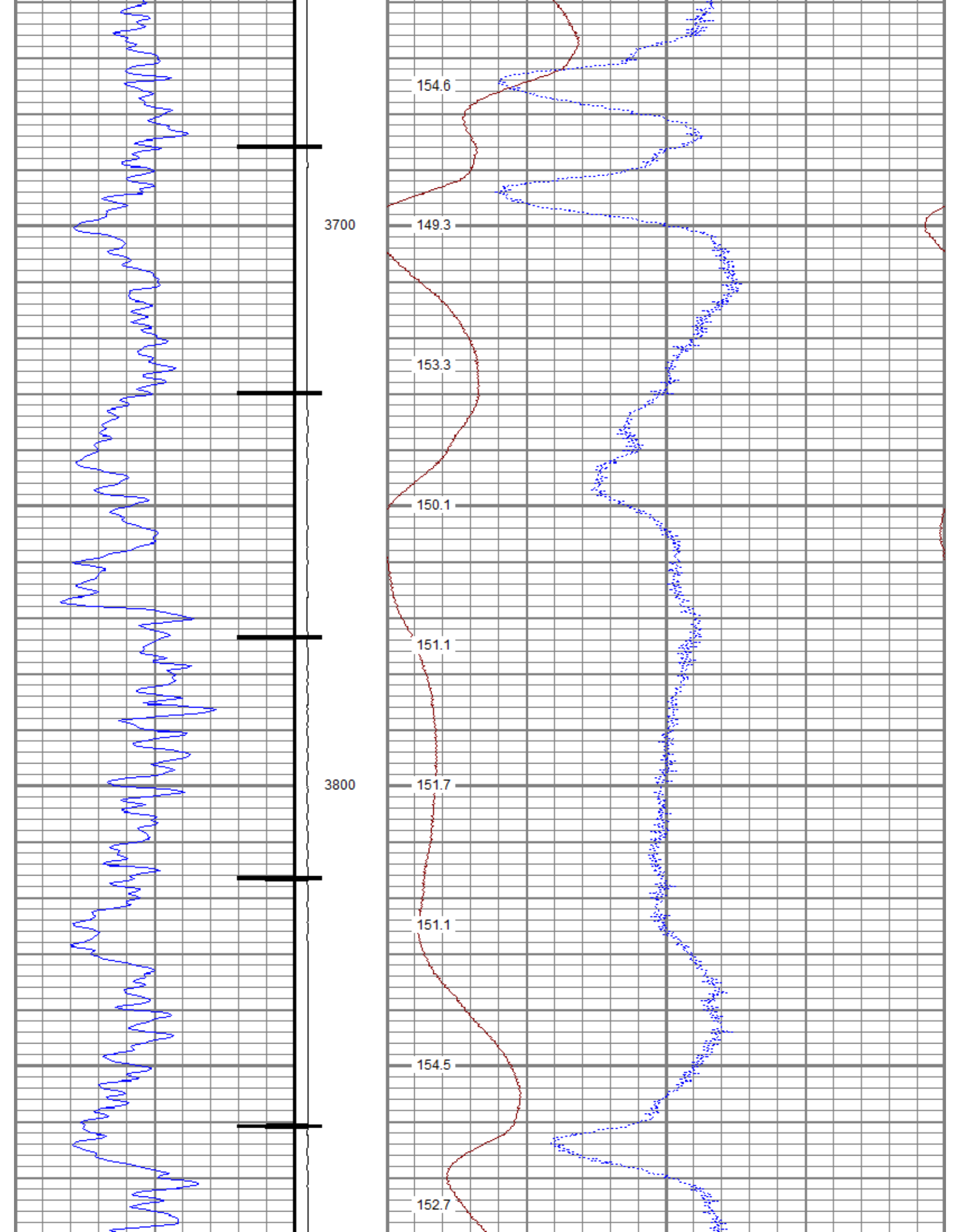


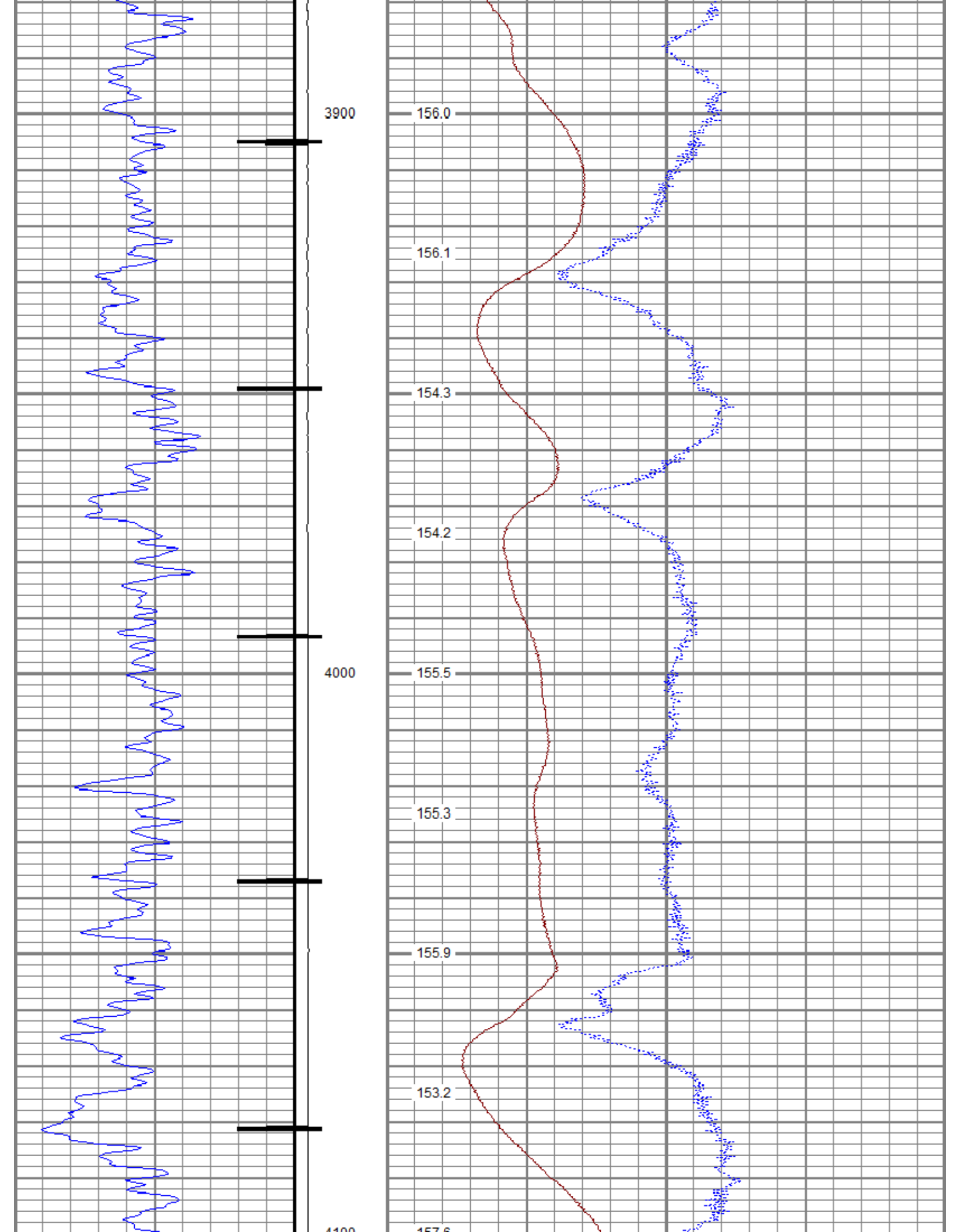


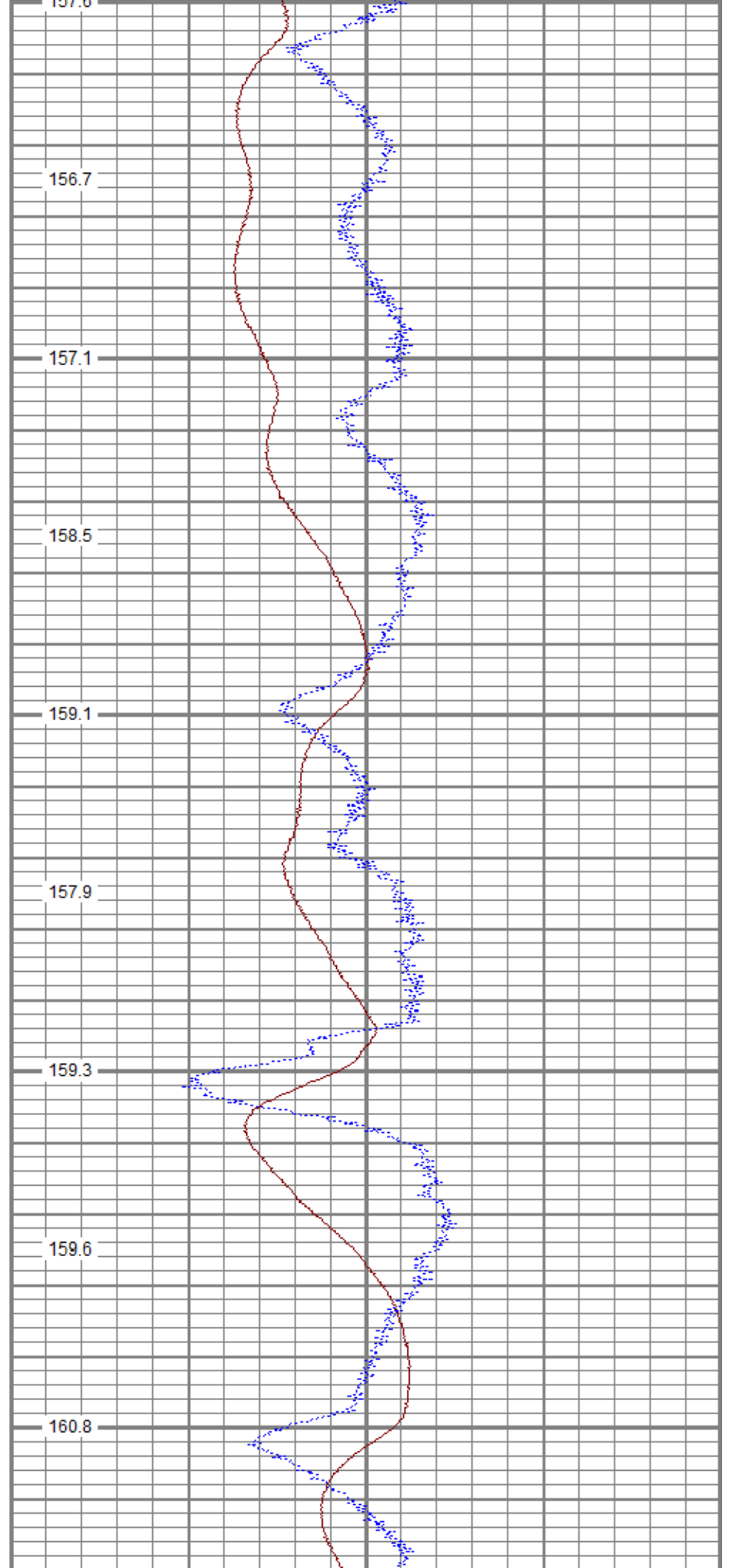
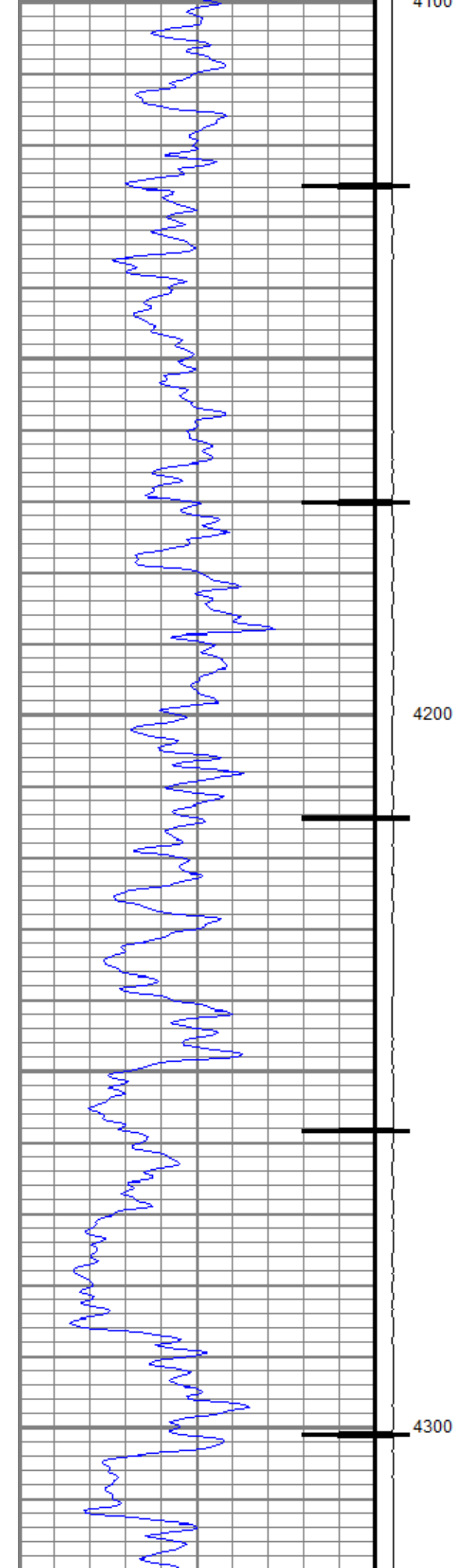


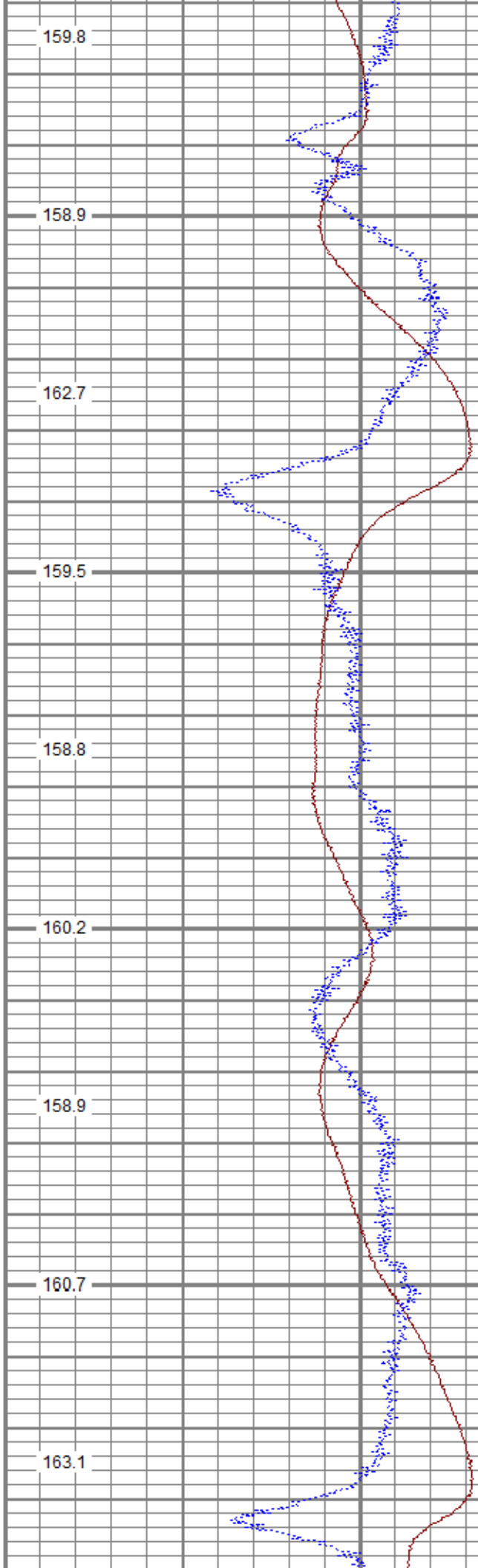
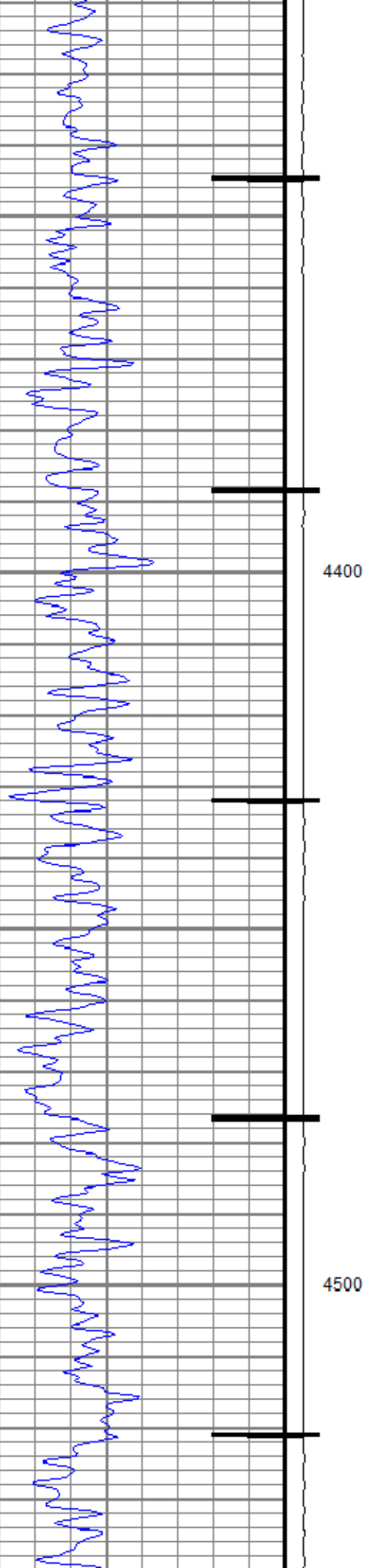


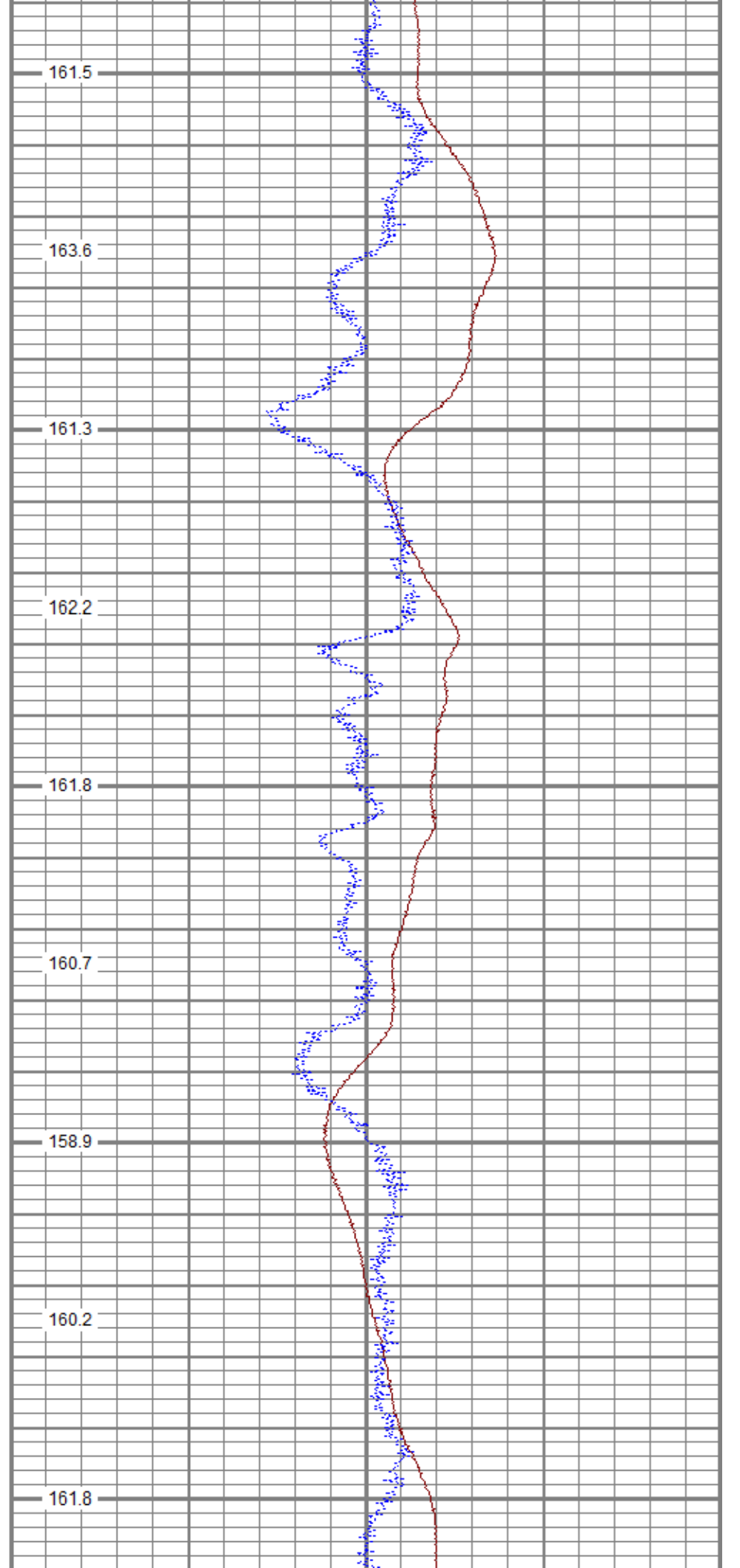
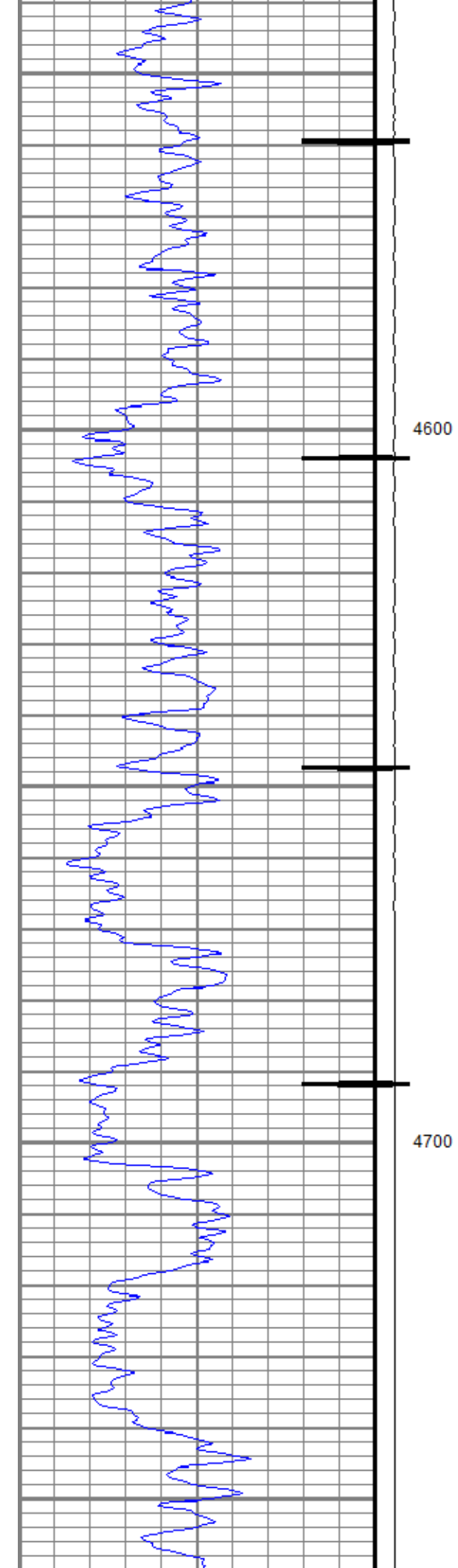


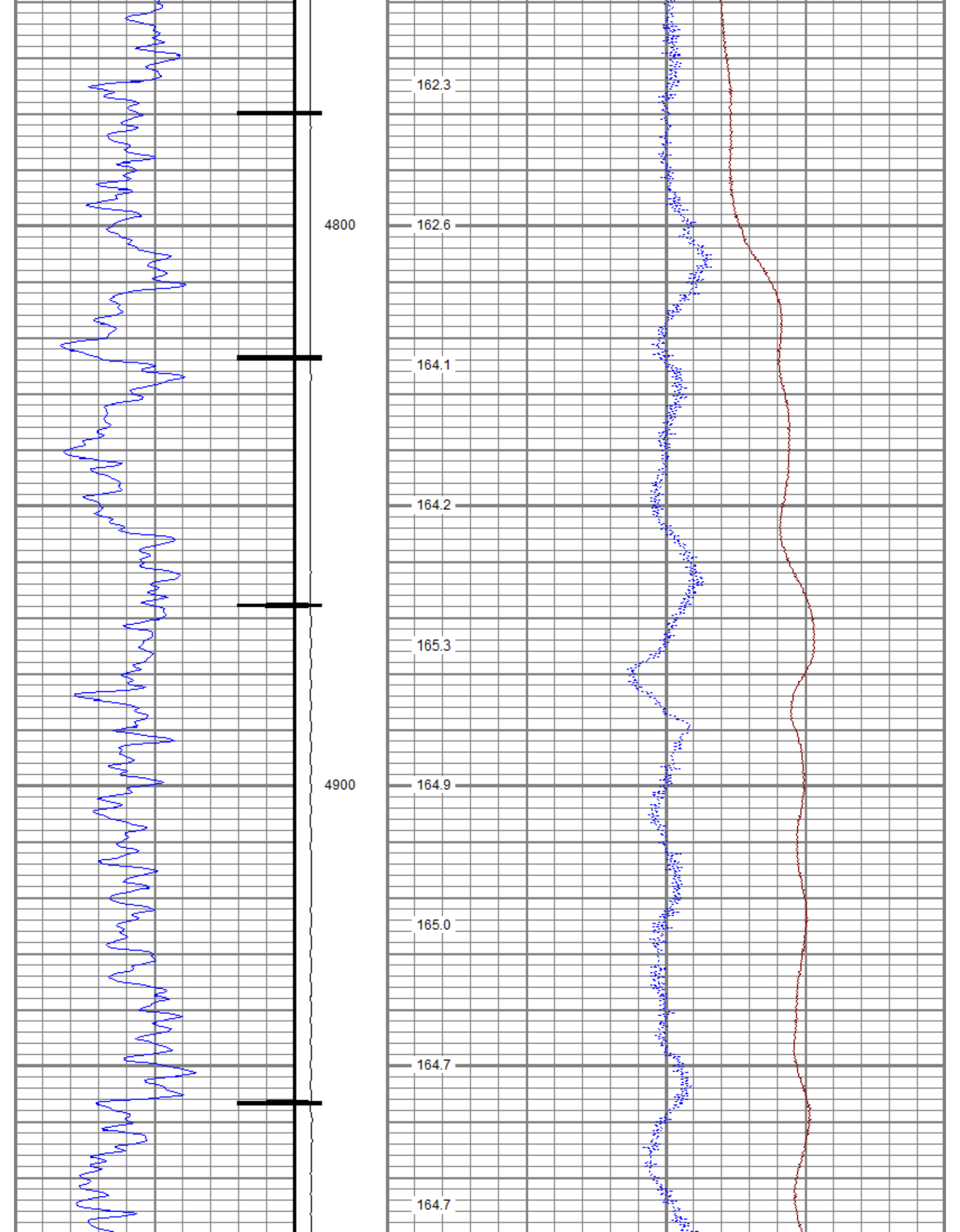


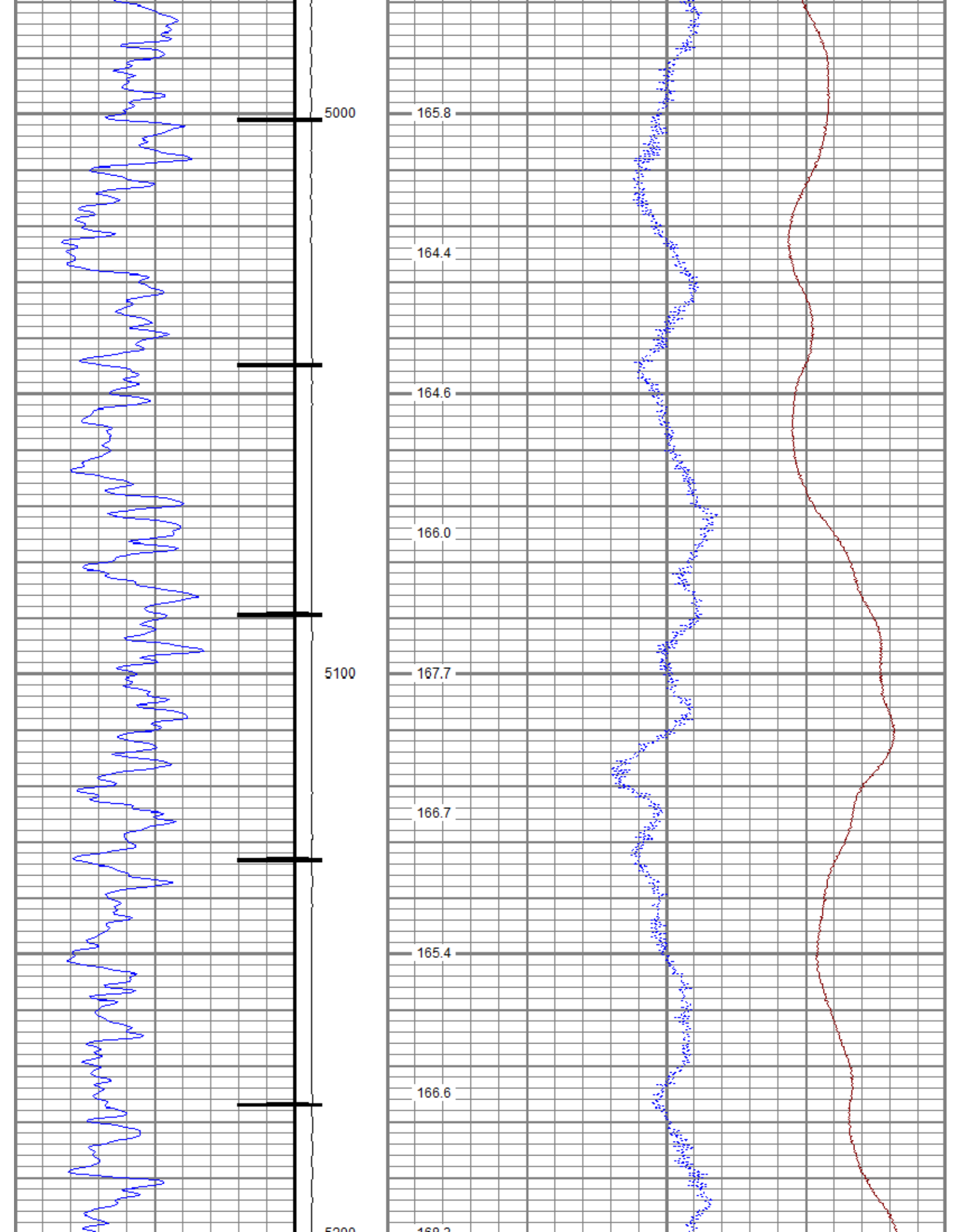


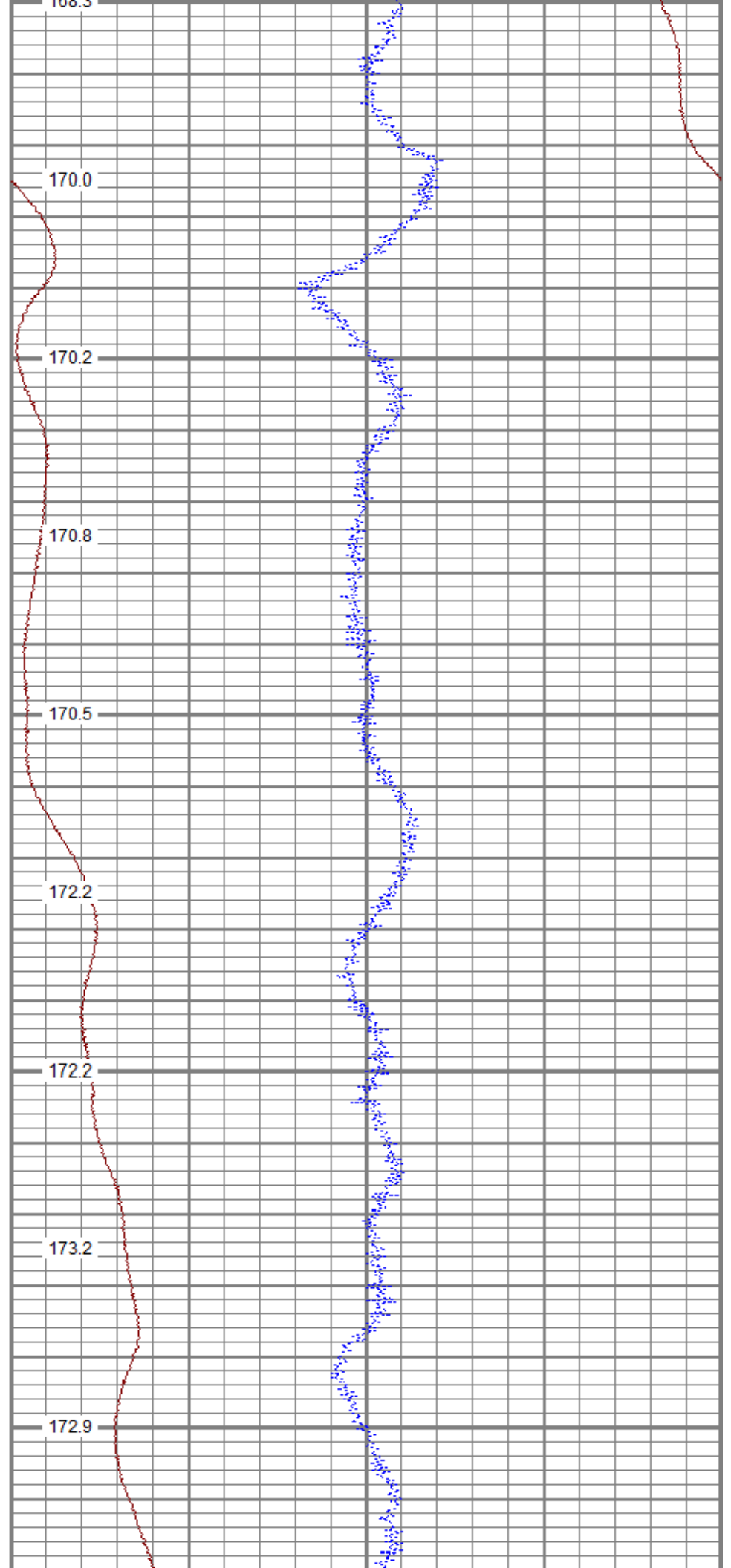
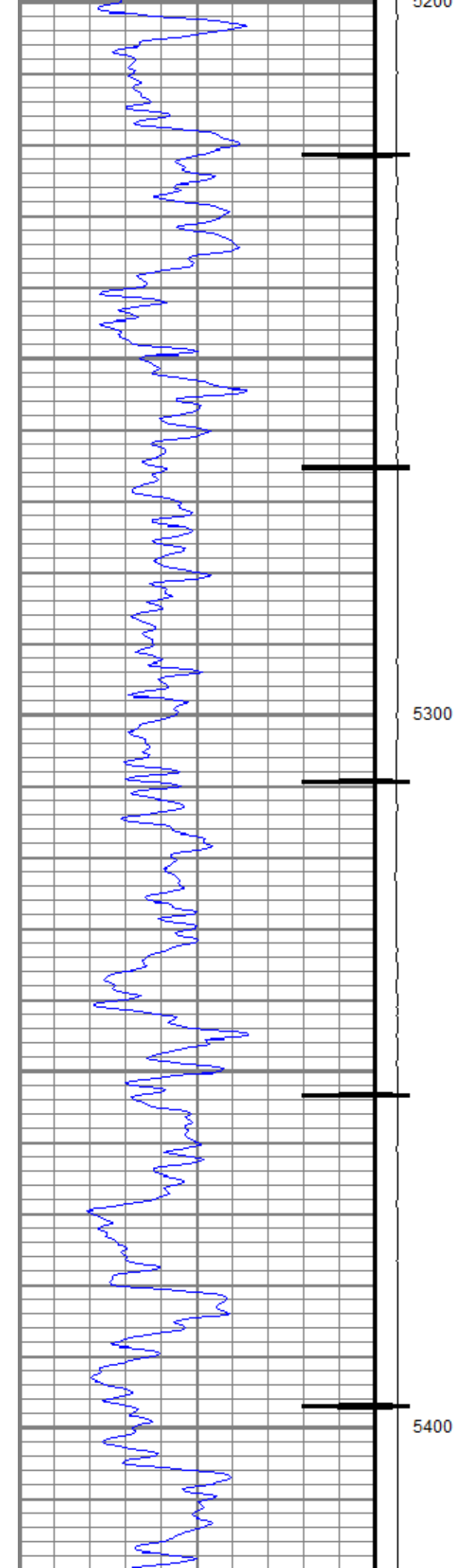


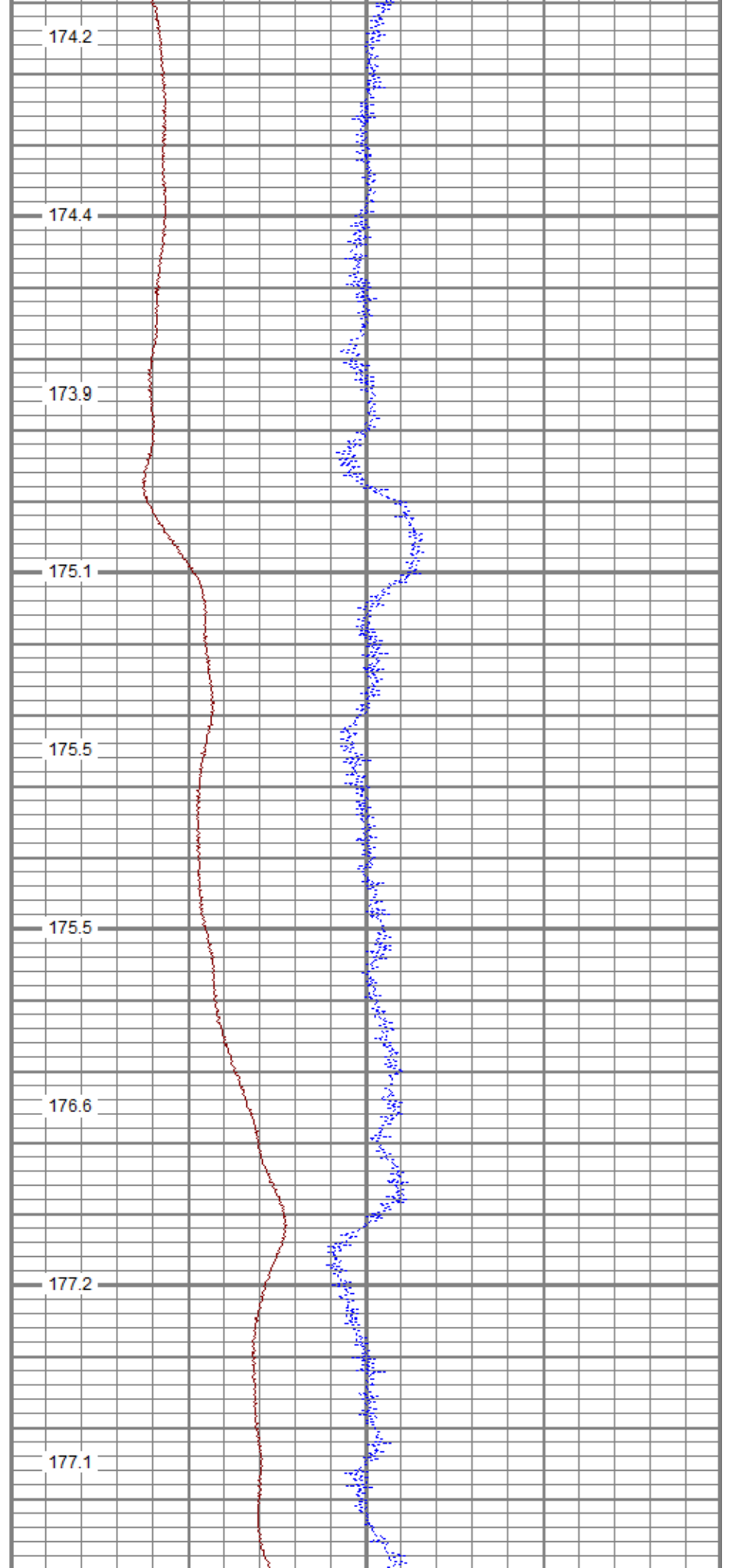
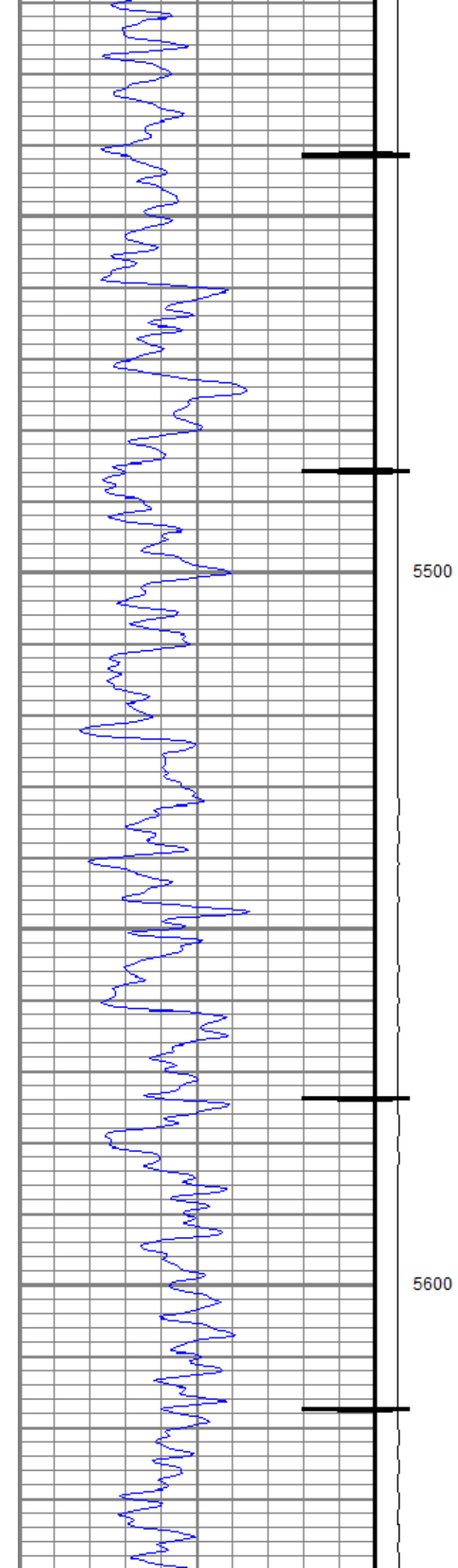


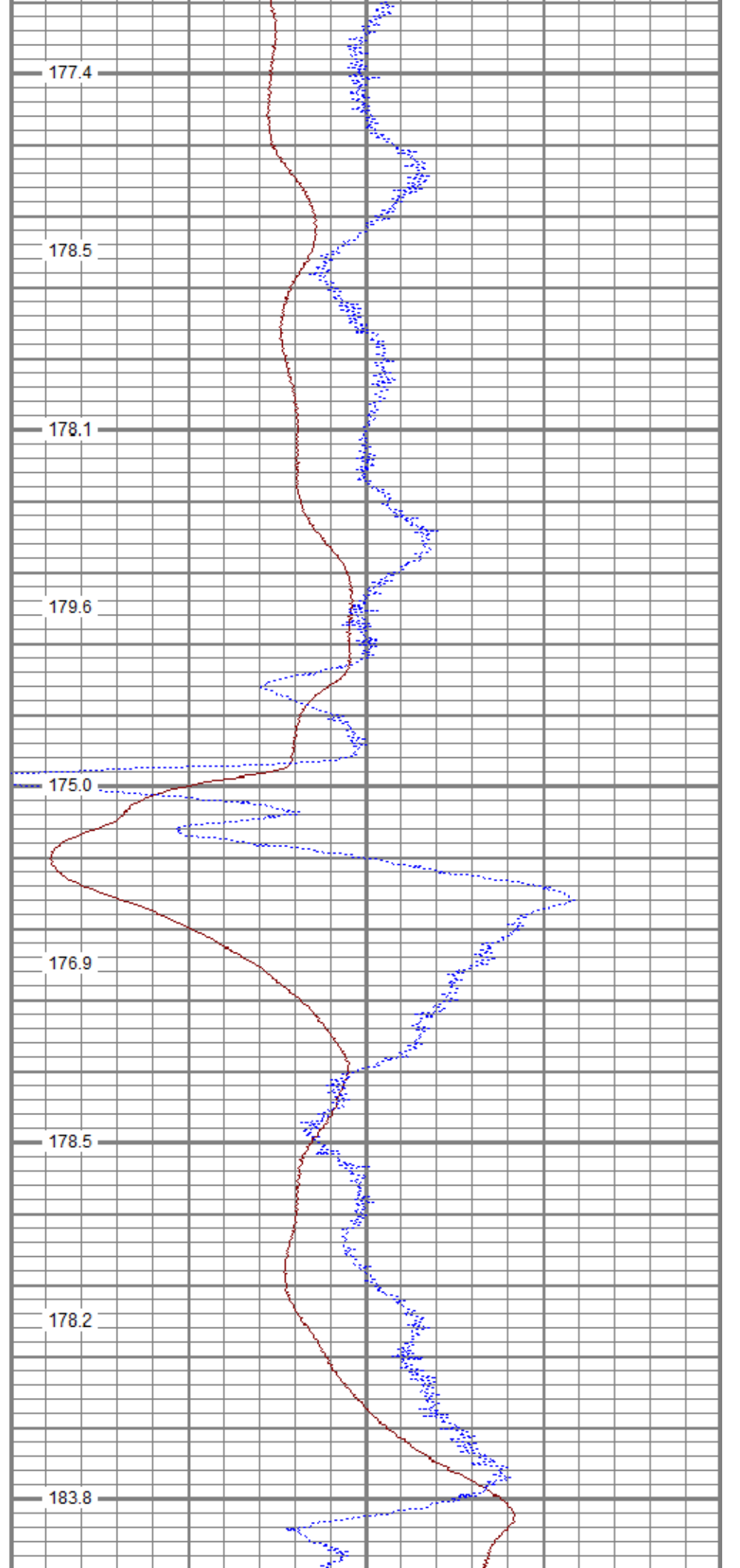
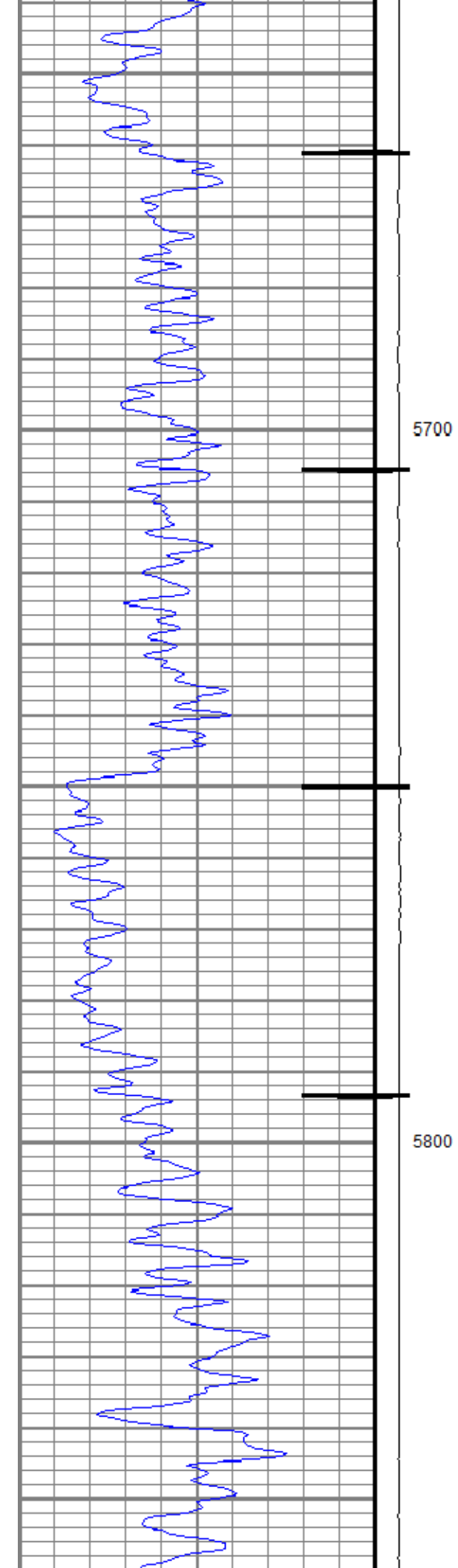


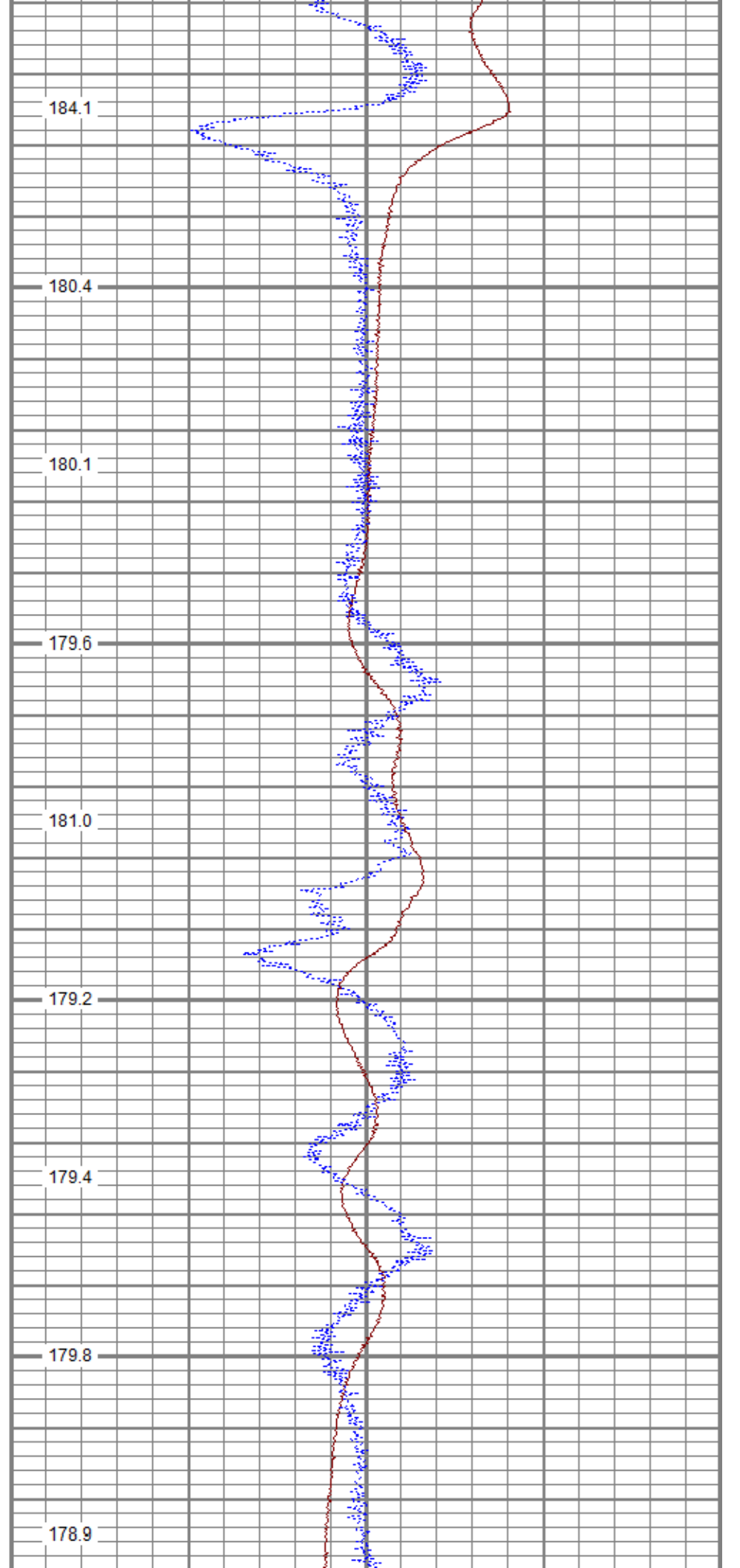
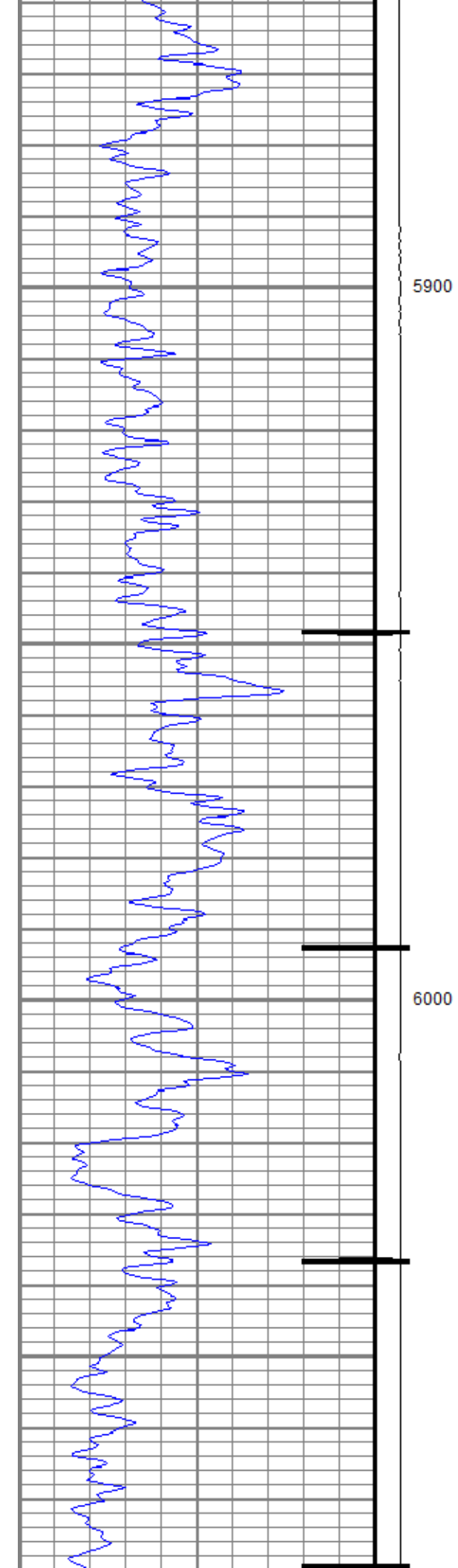


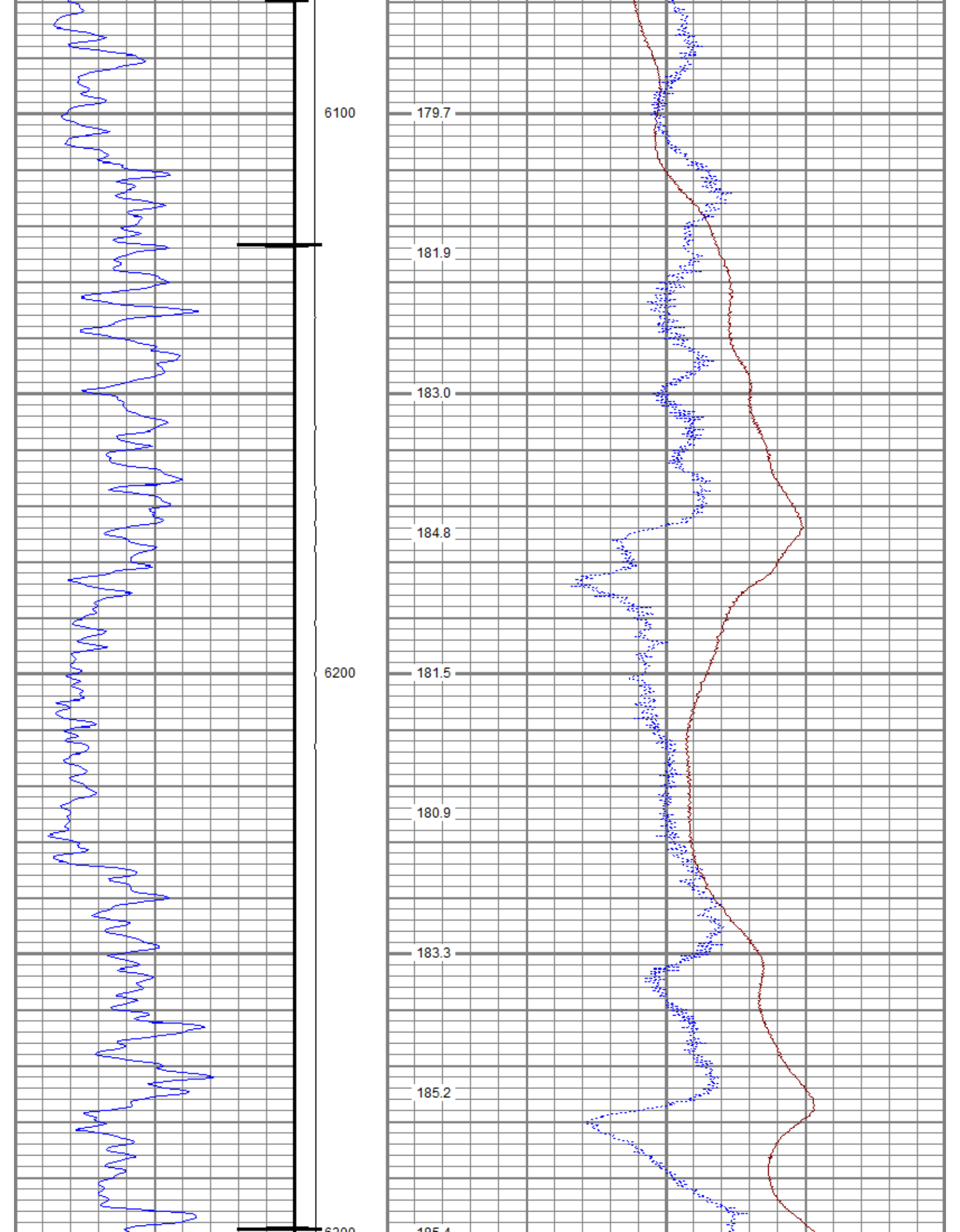


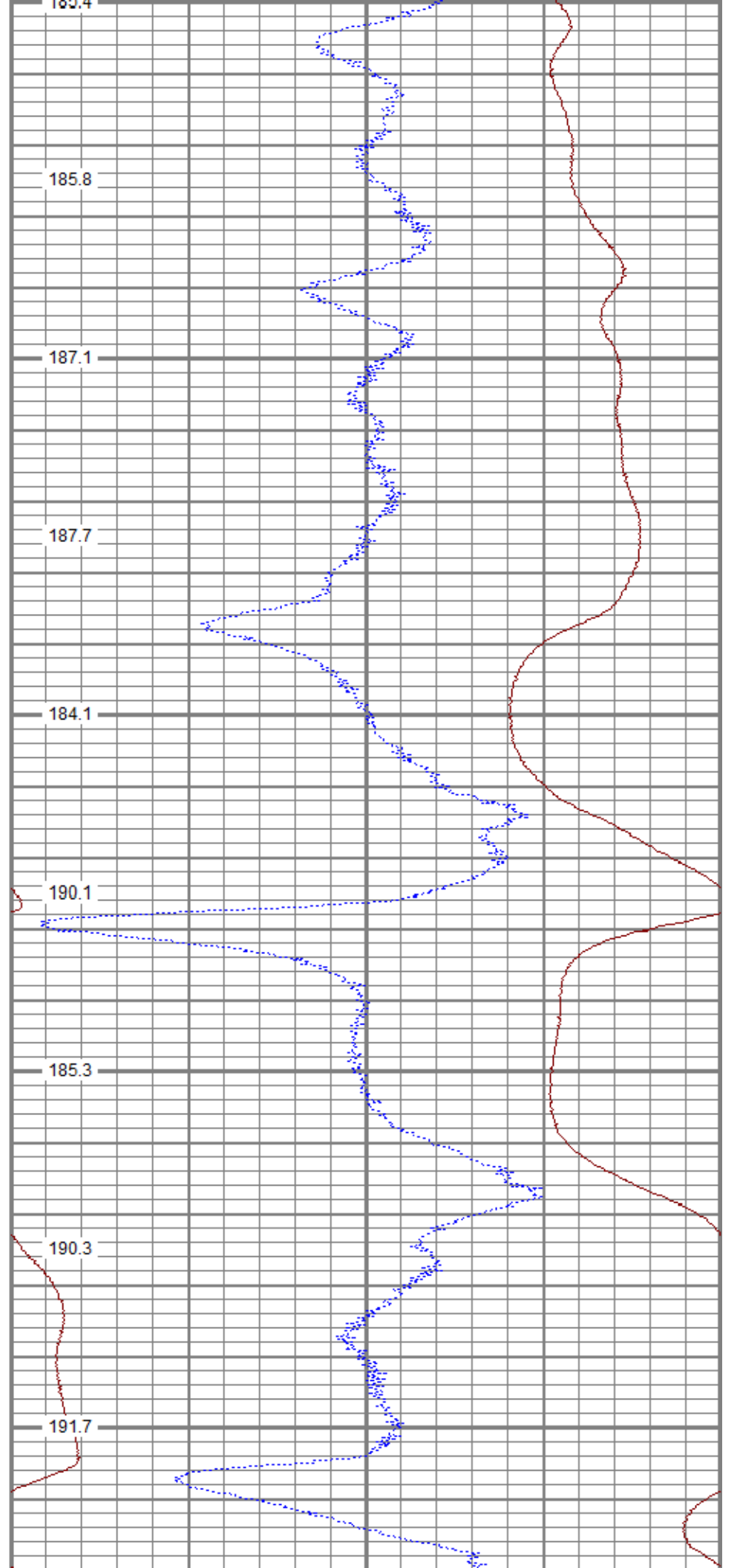
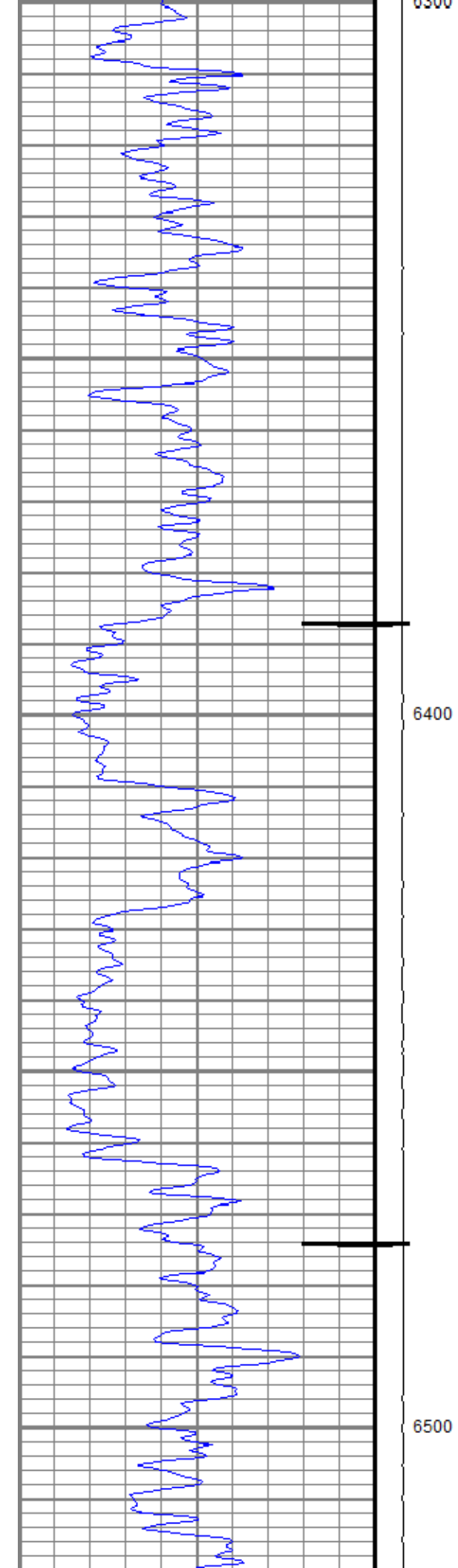


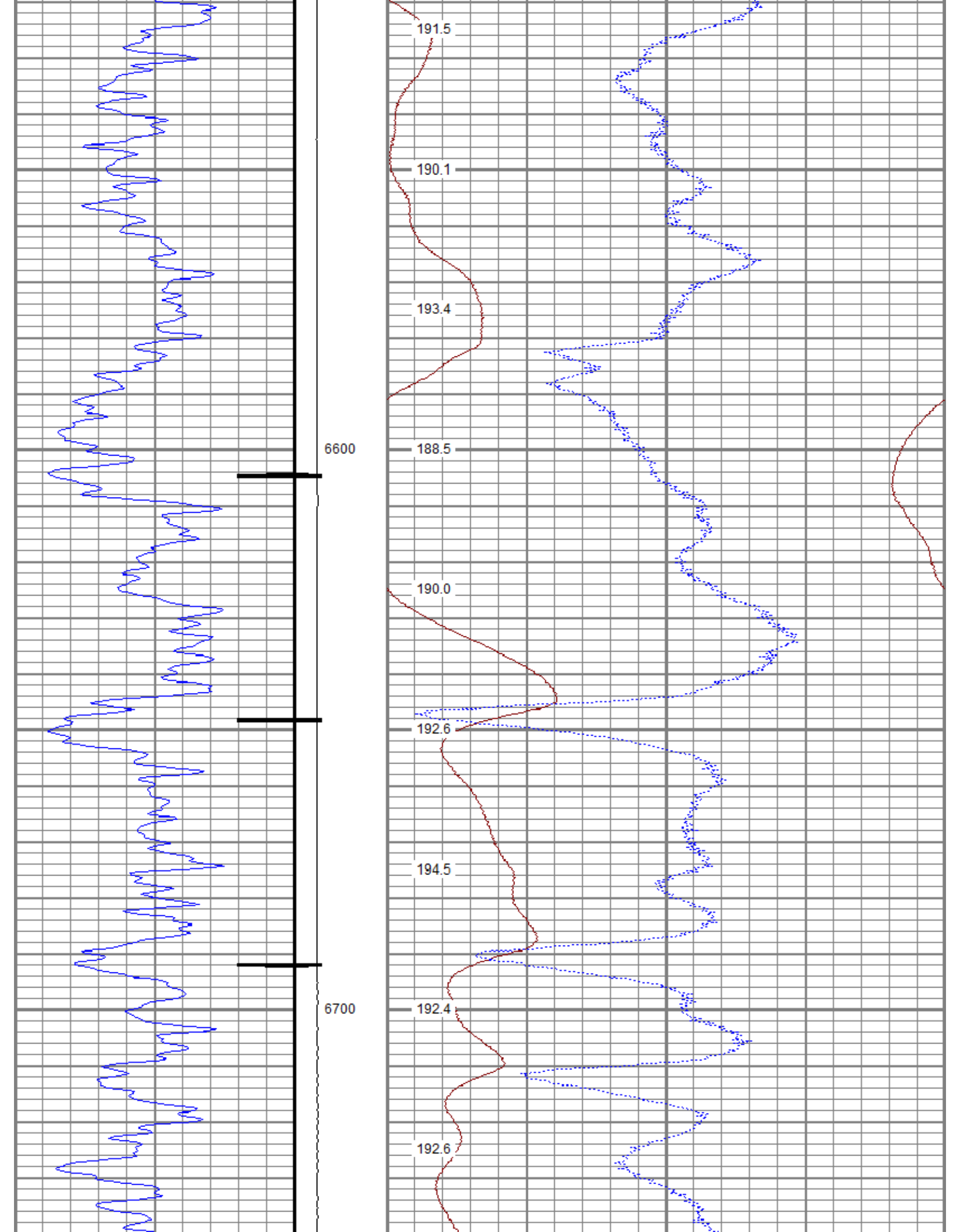


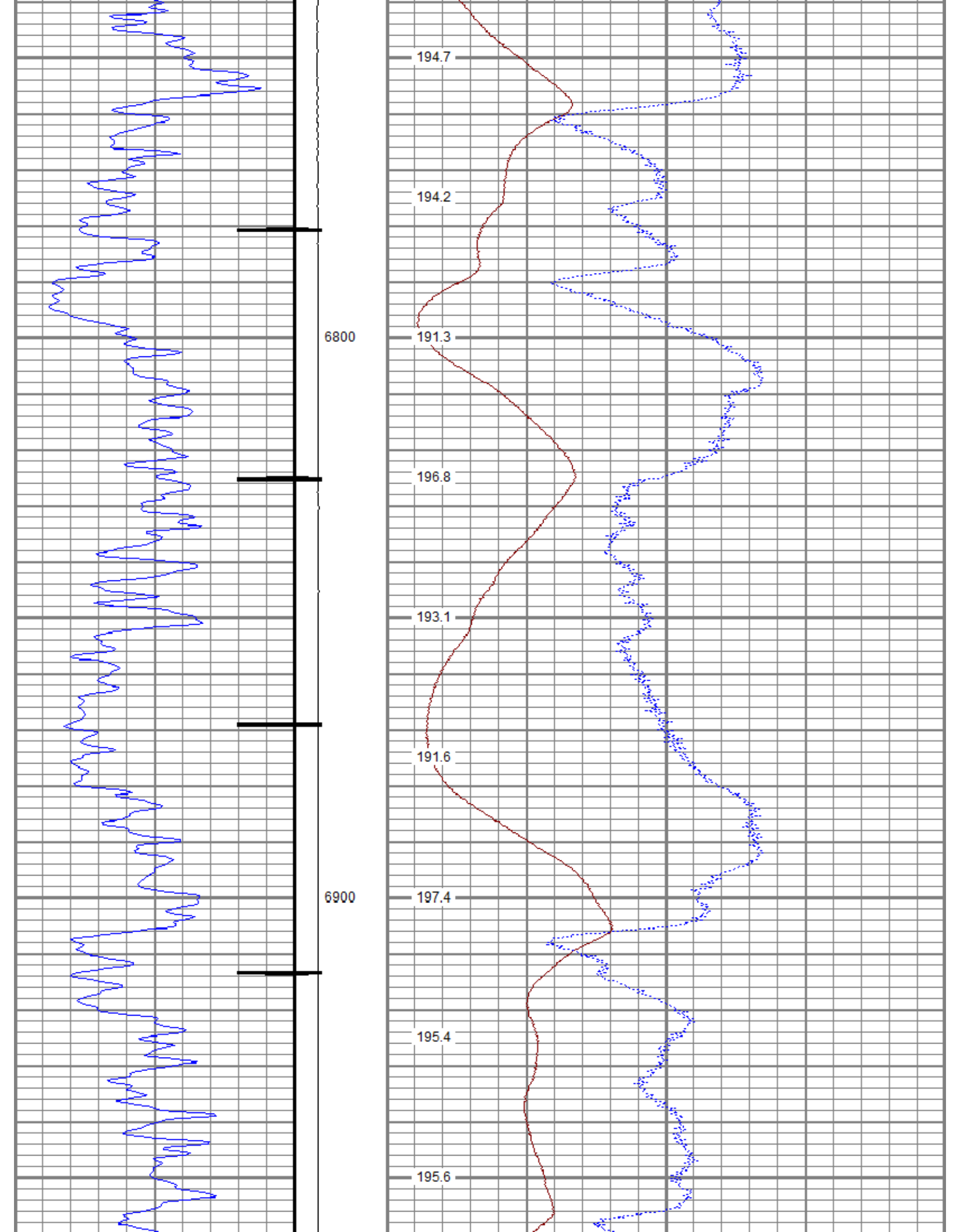


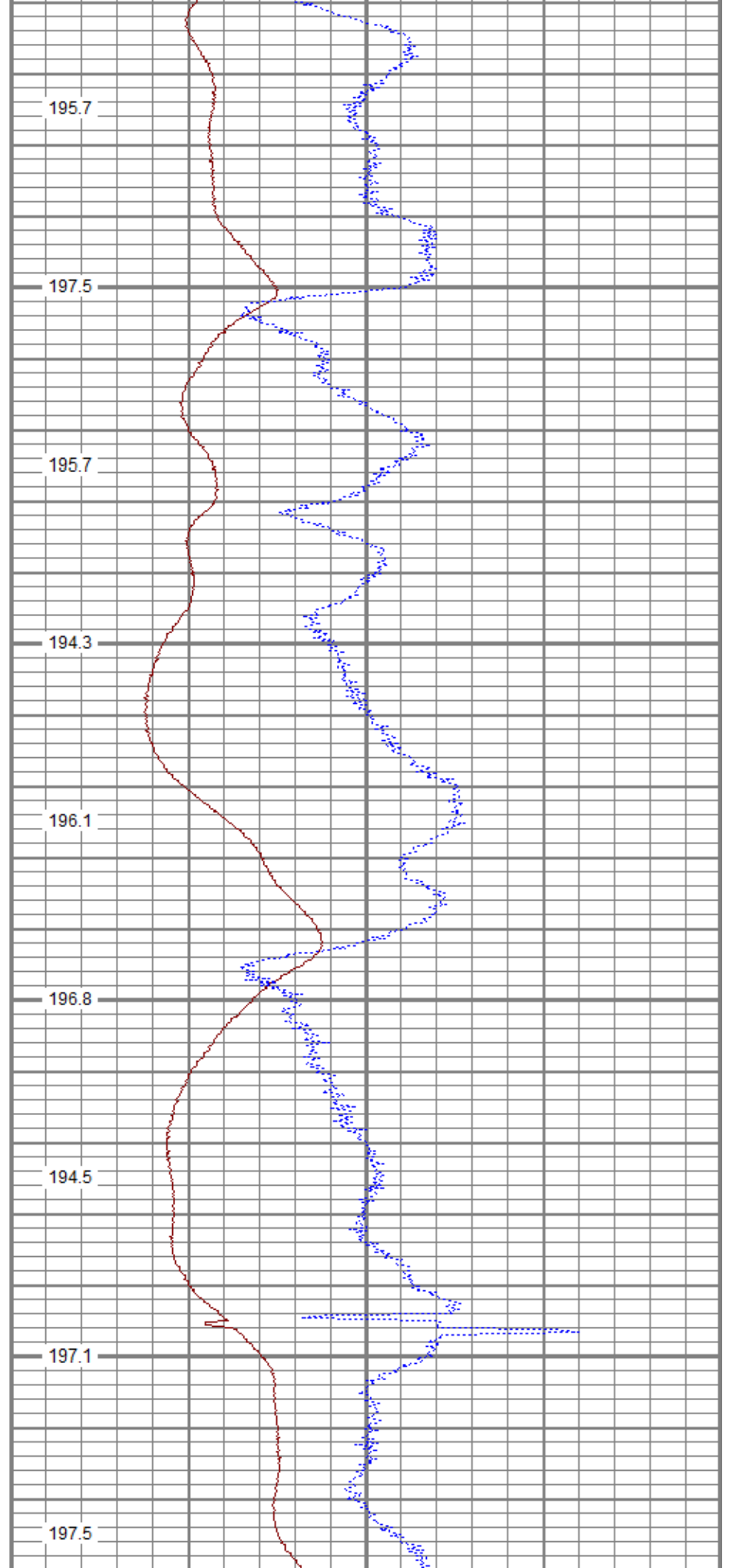
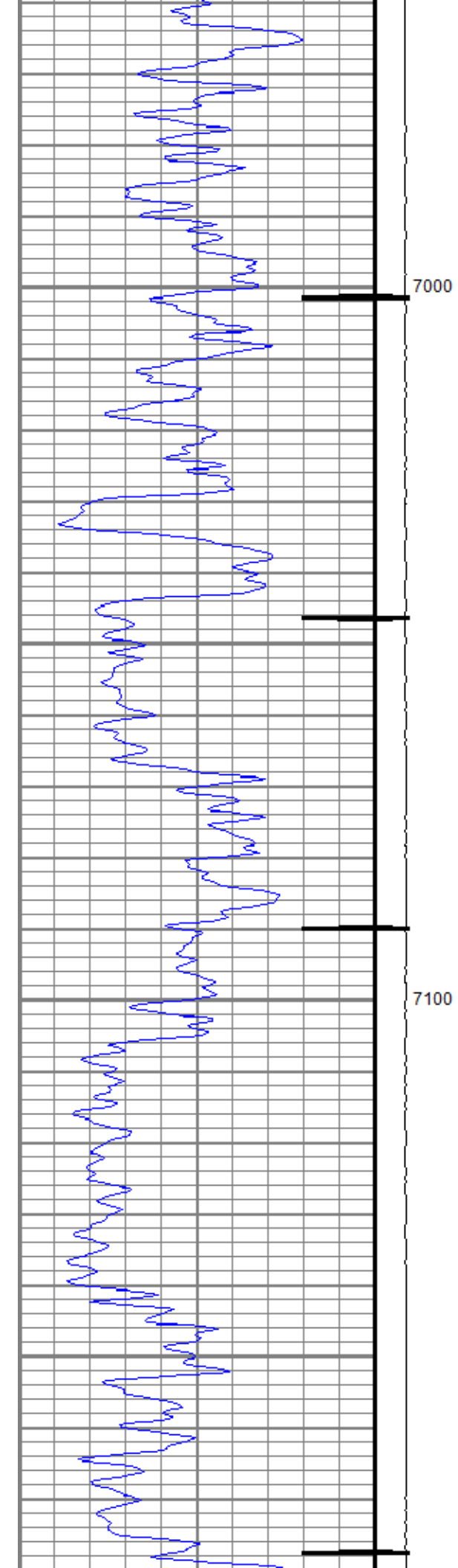


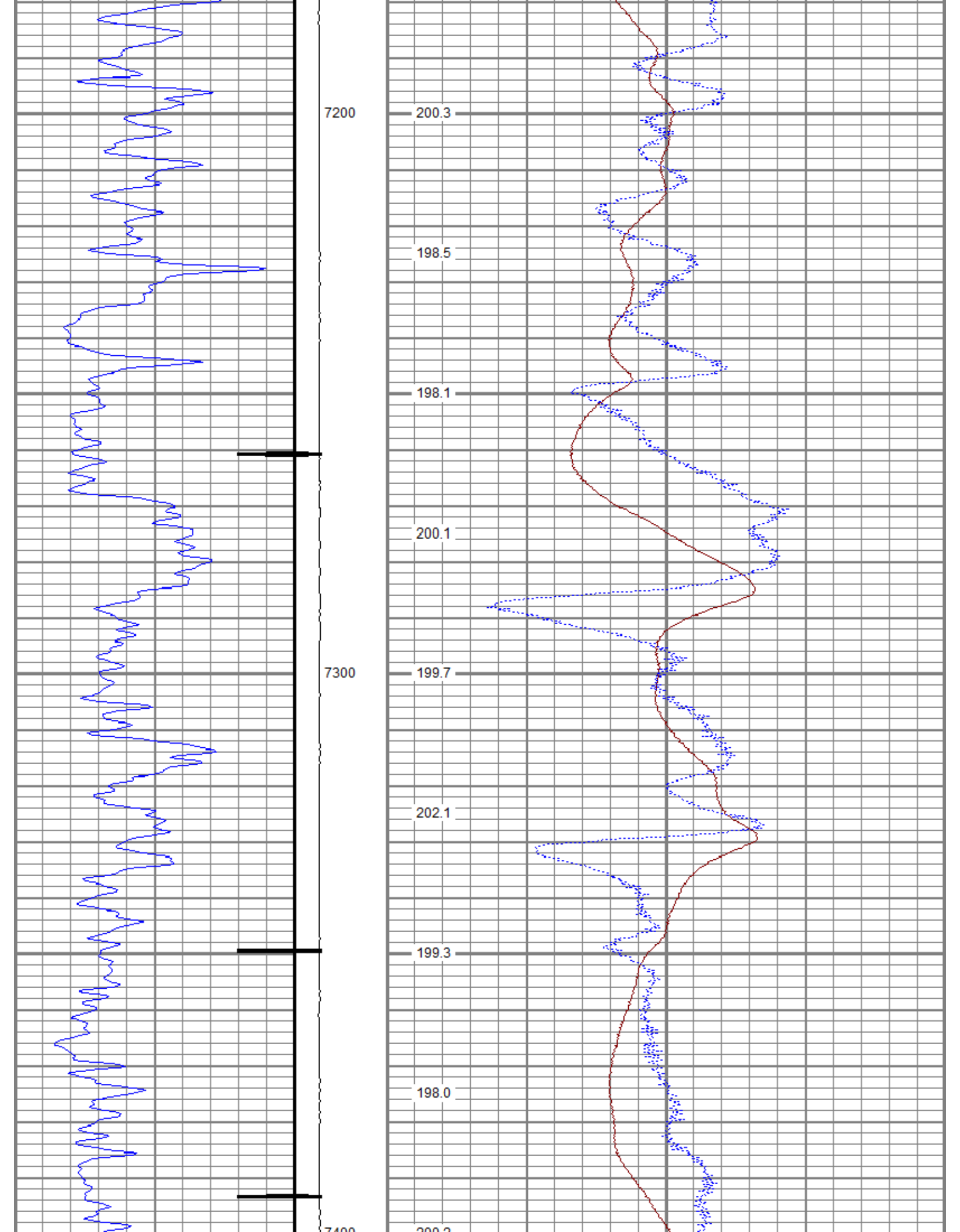


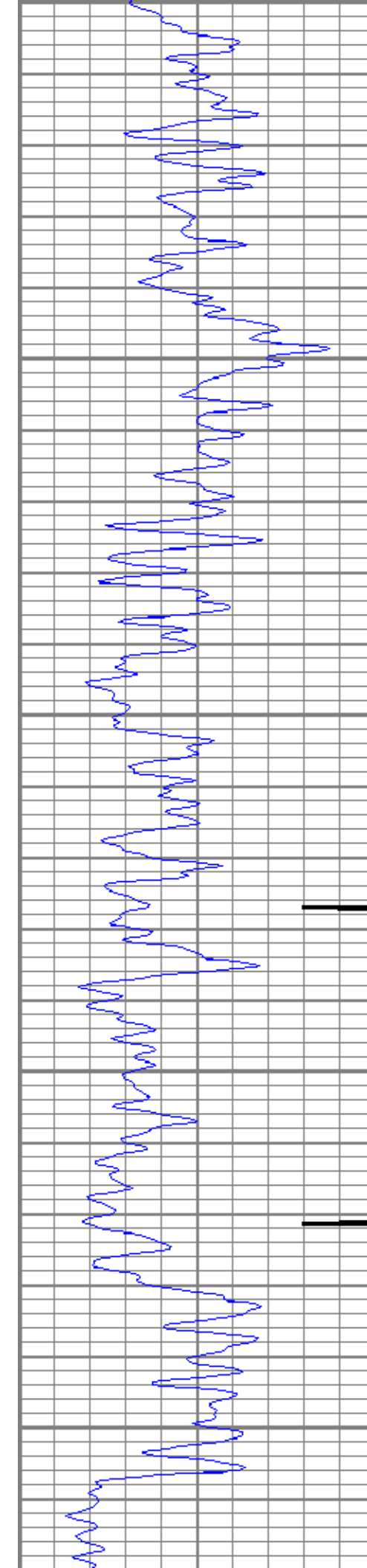












7400

7500

7600

203.2

204.0

203.7

203.0

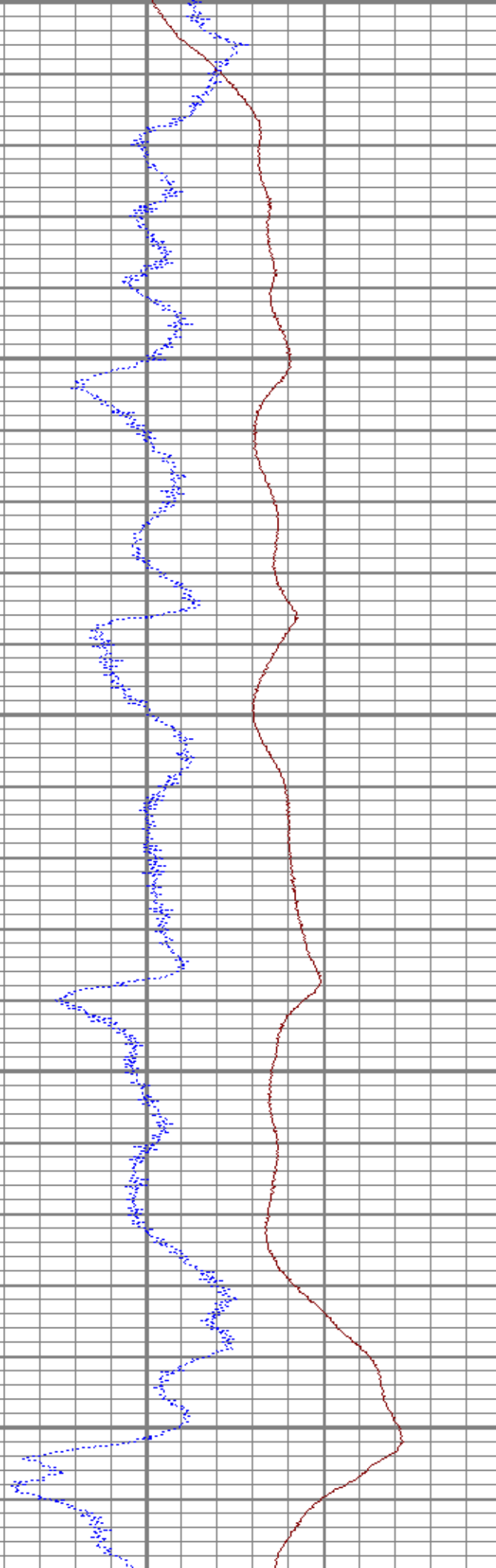
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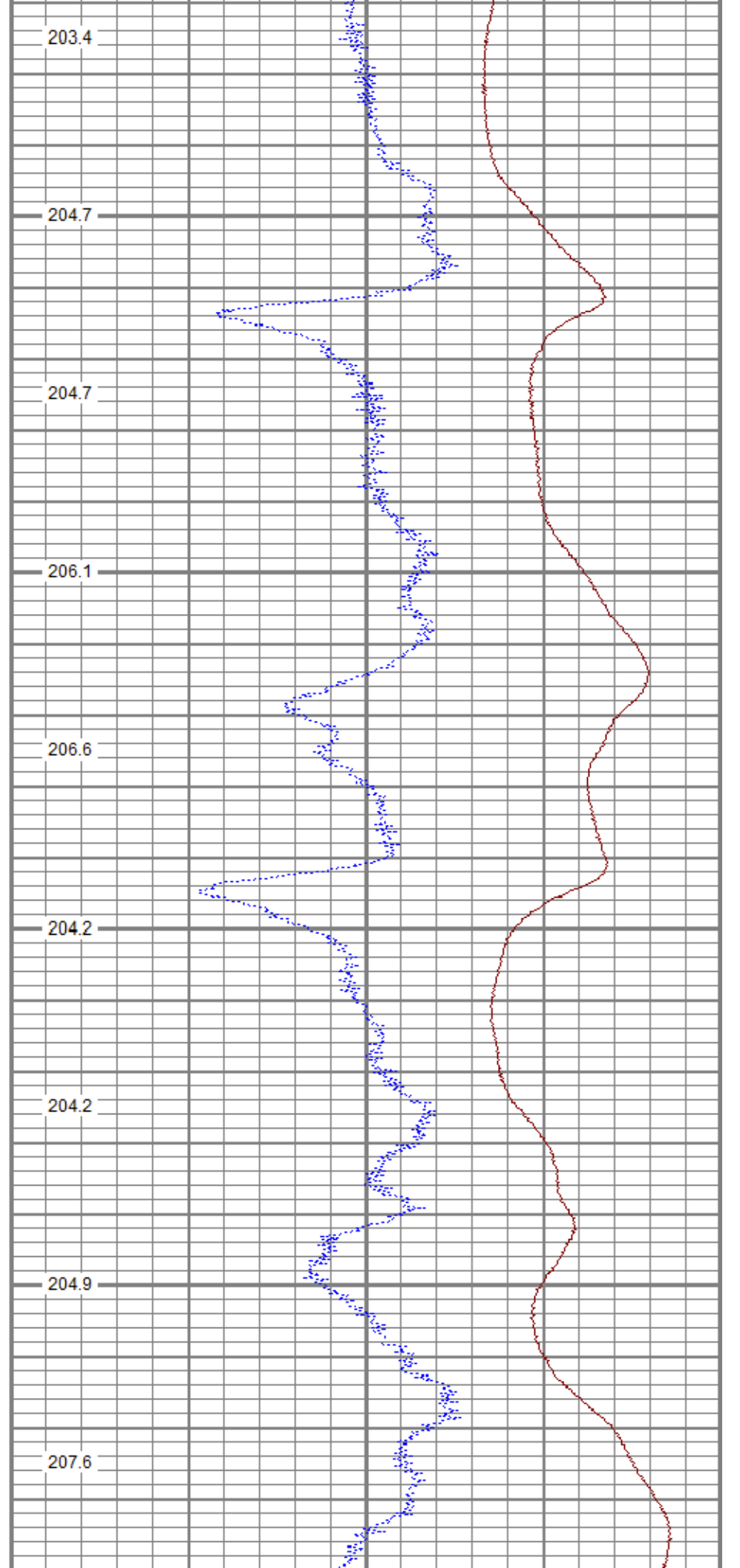
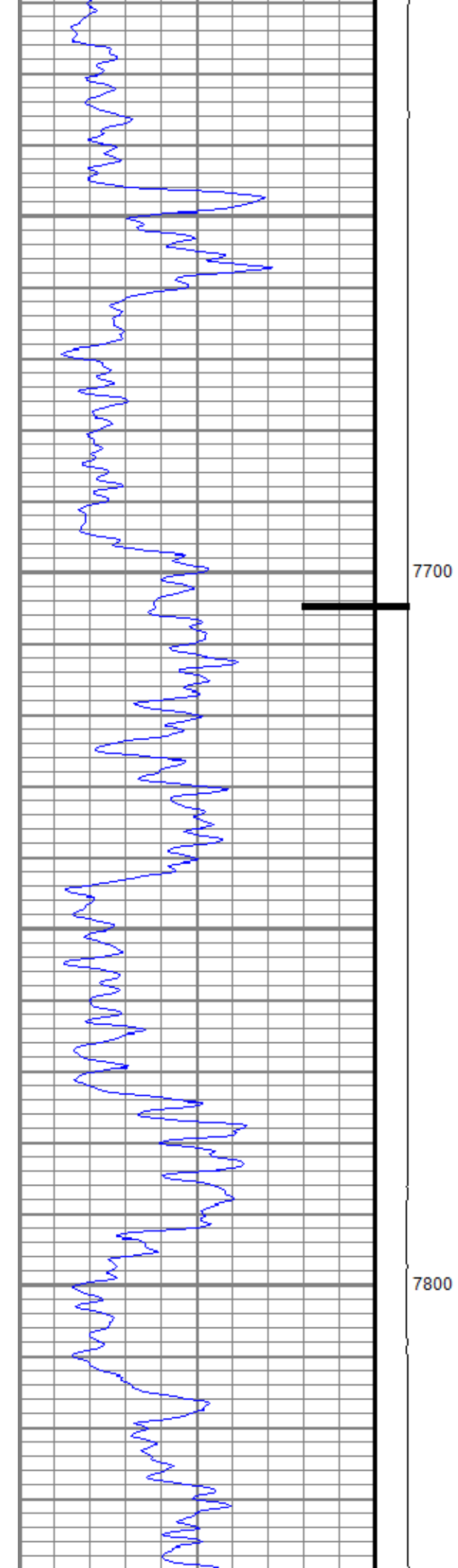
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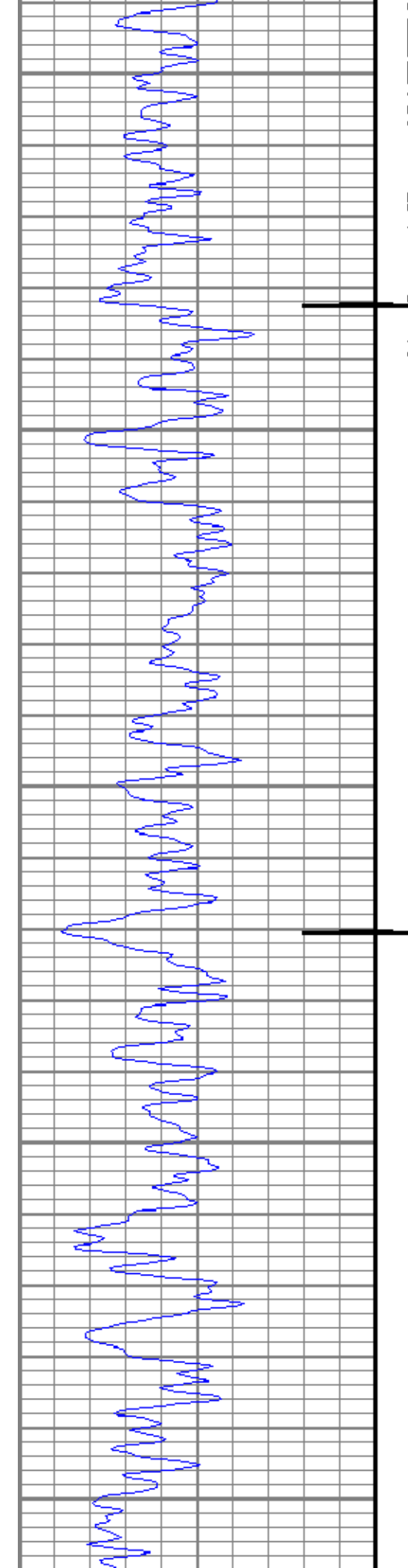
203.4

207.1

200.2

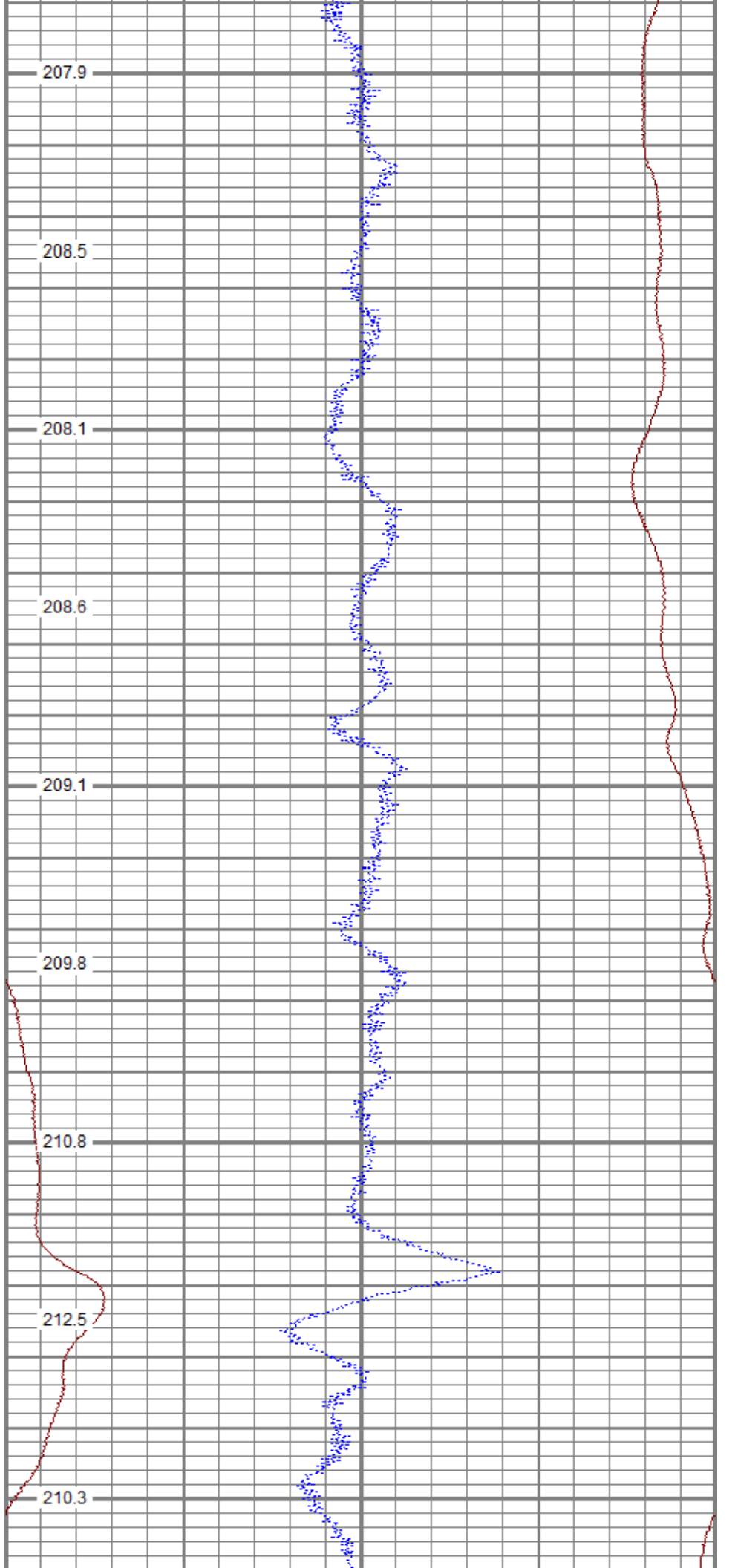


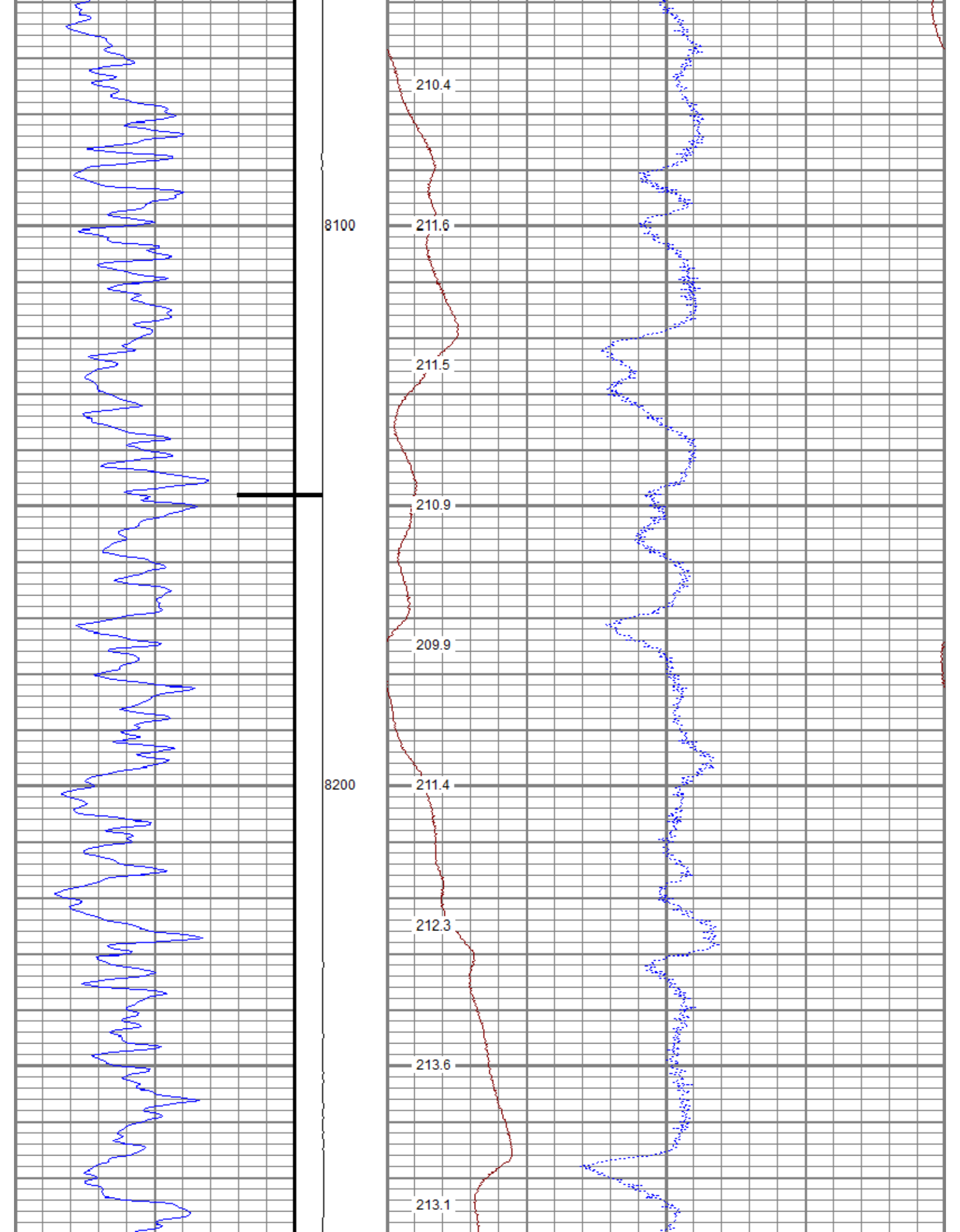


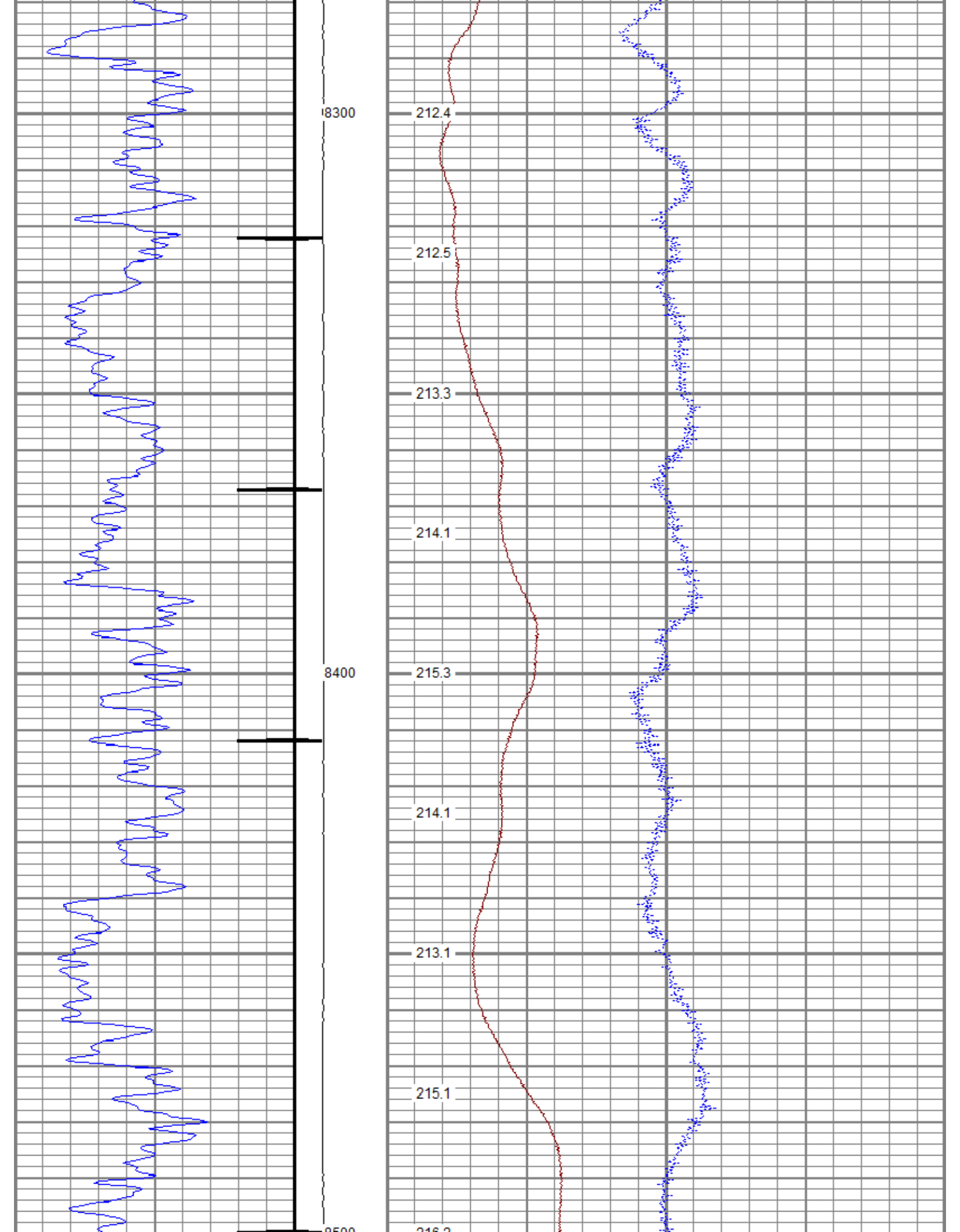


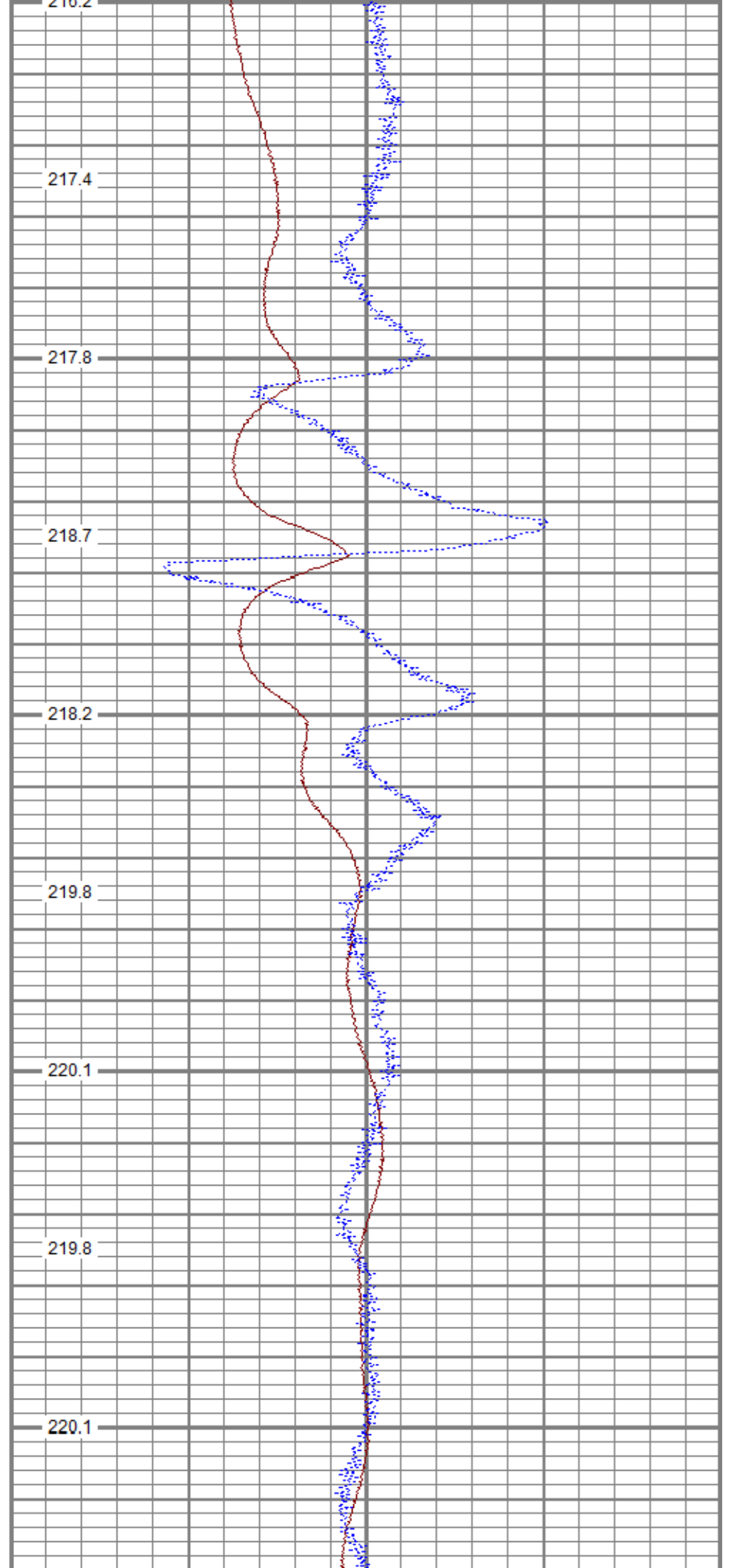
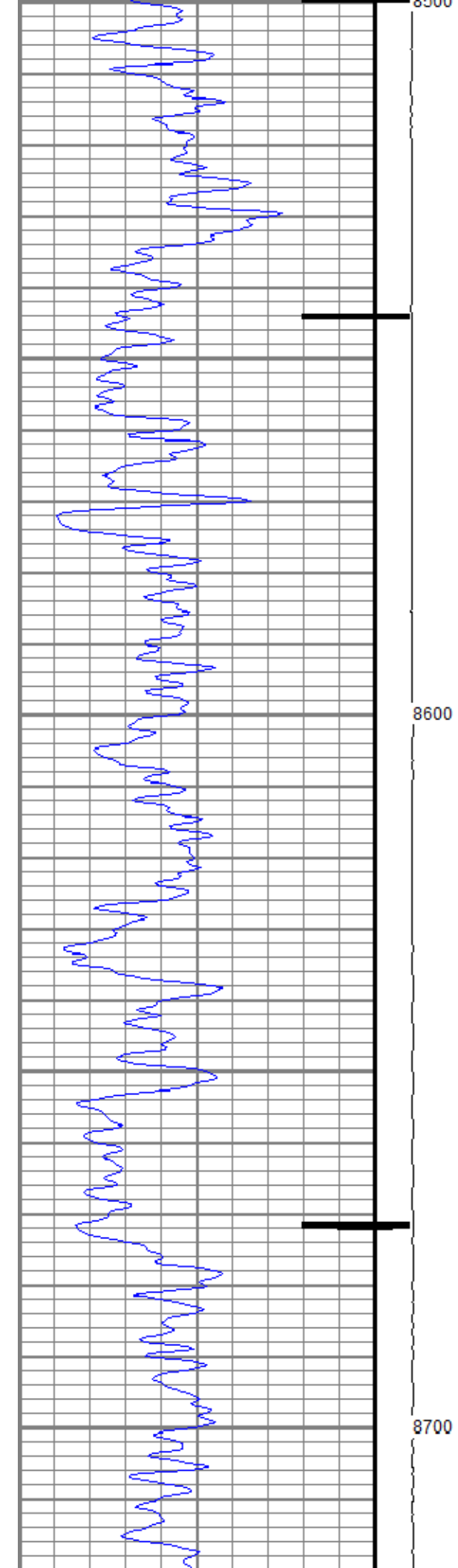
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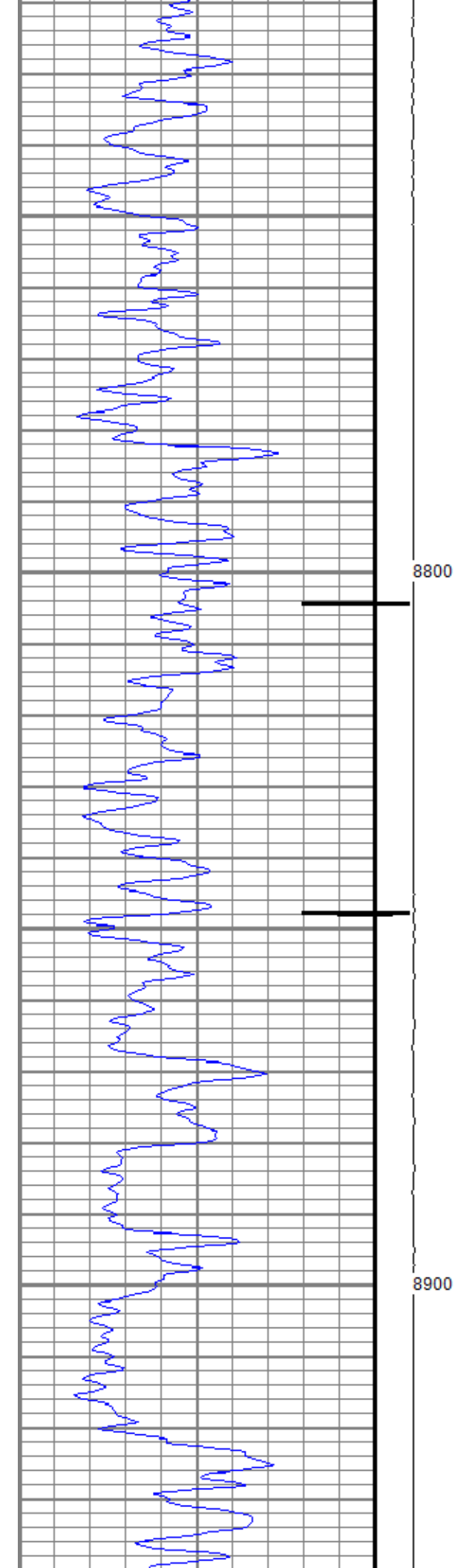
8000











8800

8900

219.4

220.2

221.8

221.3

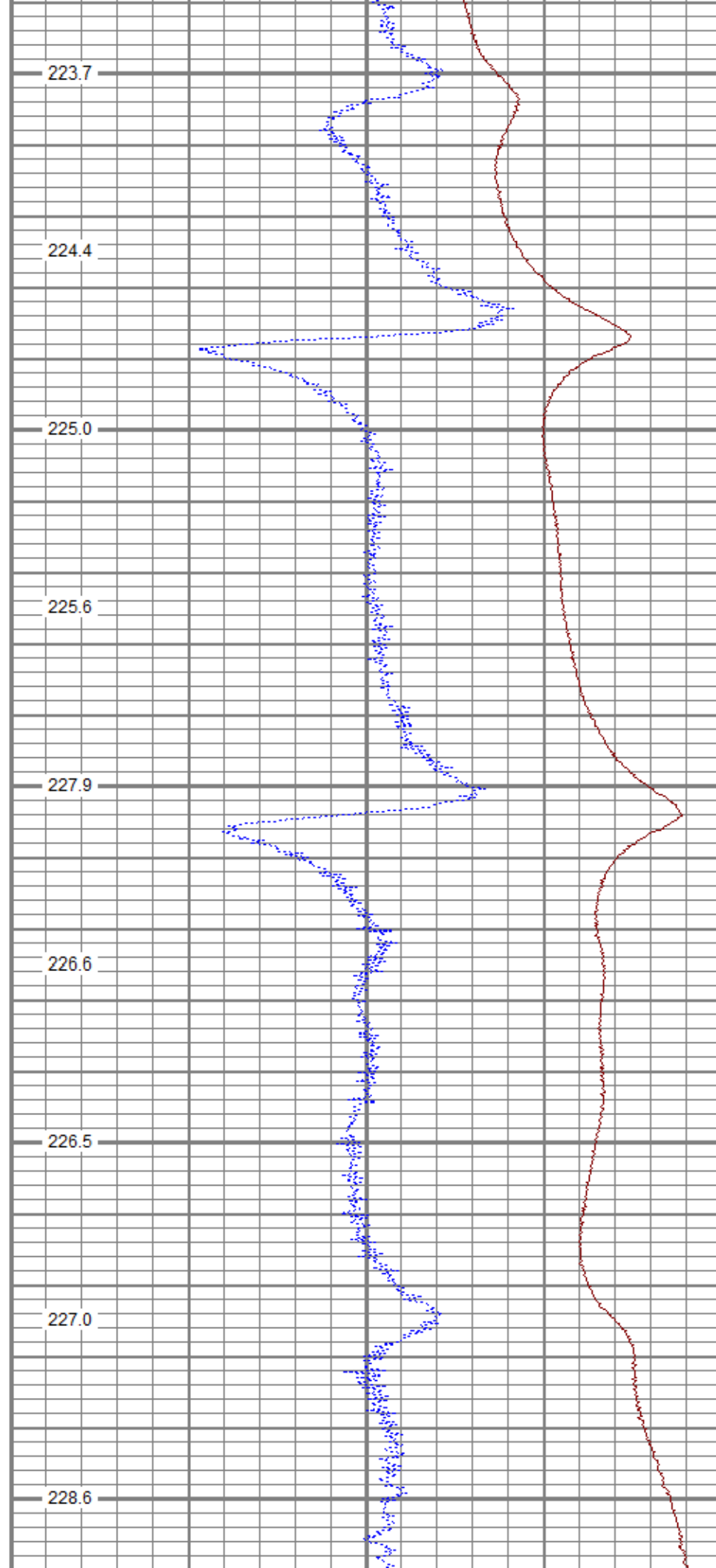
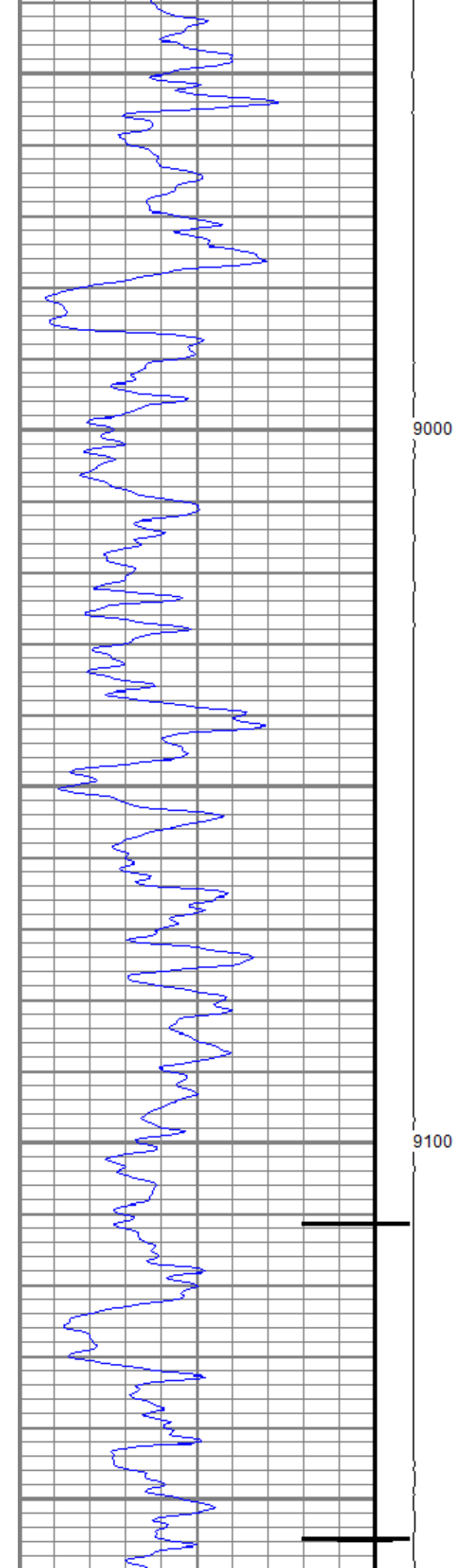
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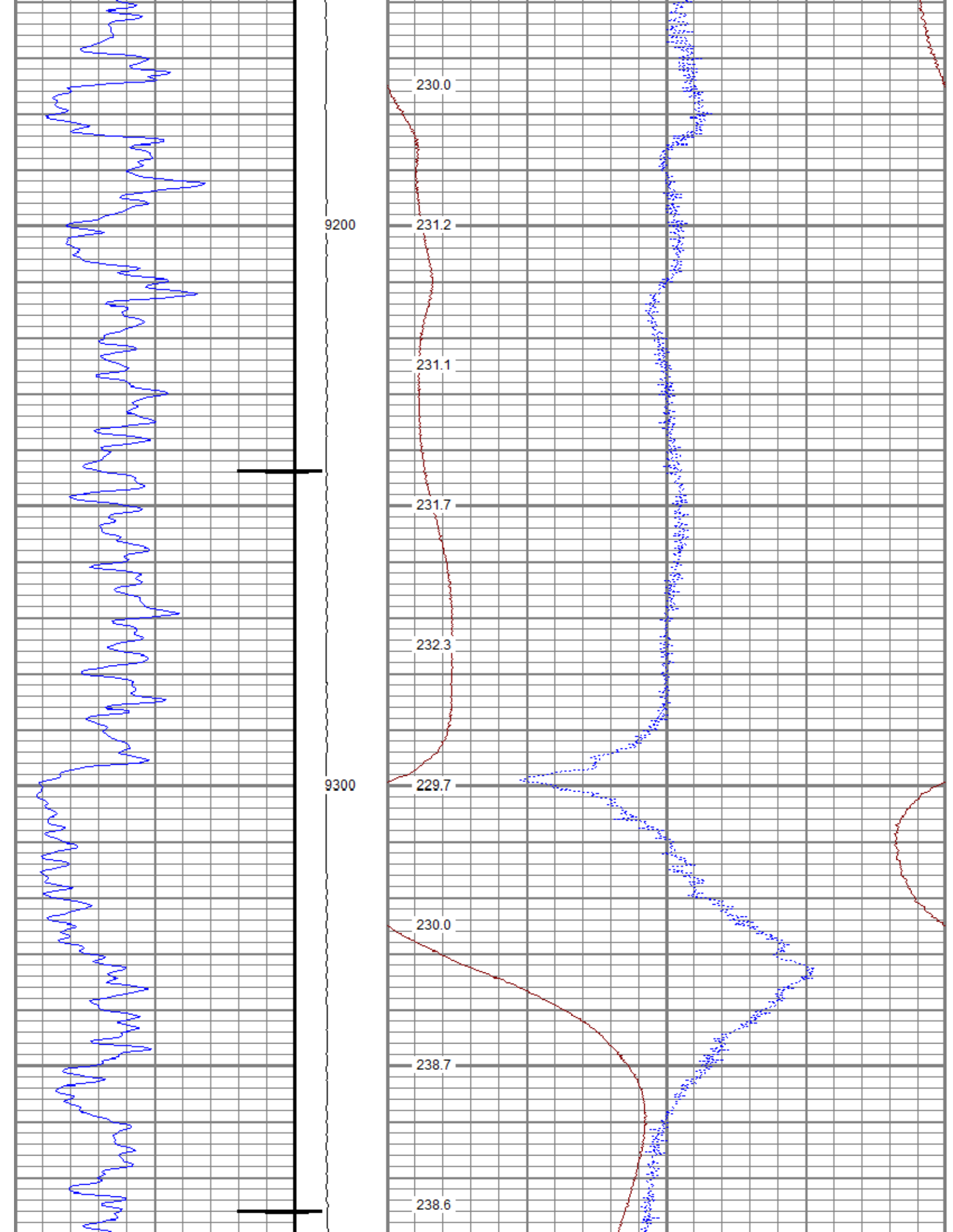
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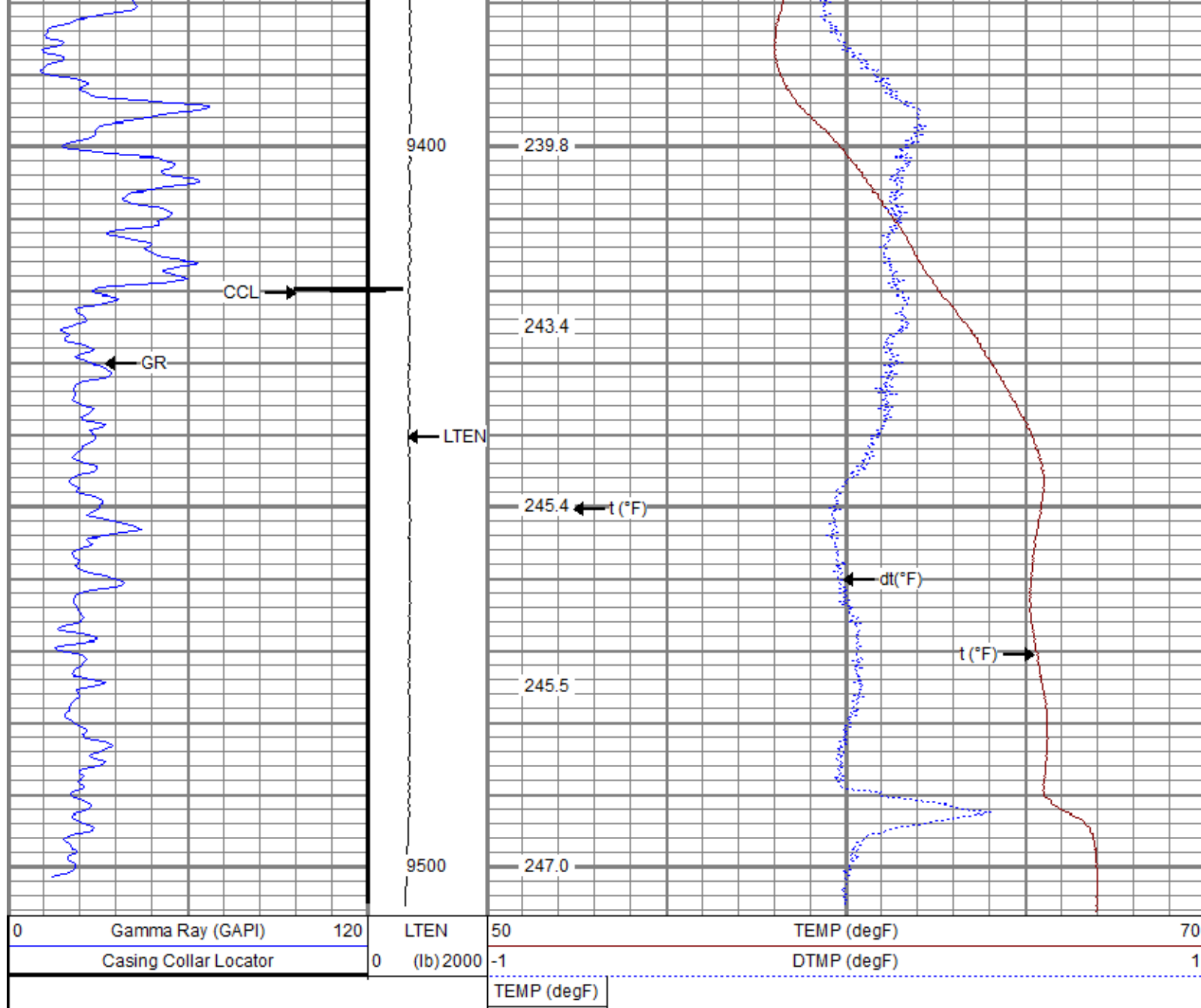
223.1


223.0


222.8







Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-14375 GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	3.60
			UW AGS-001 (211461) Sondex 1-11/16" Ultrawire Adapter - GO Box to Sondex UW Pin	0.21	1.69	1.00
			UW XTU-002 (10024281) Sondex 1-11/16" Ultrawire Toolbus Crossover to Ultralink Telemetry	1.58	1.69	6.50

GR	3.37		UW PGR-020 (10013899) Sondex 1-11/16" Ultrawire Production Gamma Ray	1.92	1.69	9.50
CCL	1.77		UW CCL-028 (10026421) Sondex 3-1/8" Ultrawire Casing Collar Locator	1.61	3.13	36.00
TEMP	0.37		UW PRT-016 (10024052) Sondex 1-11/16" Ultrawire Platinum Resistance Thermometer	1.04	1.69	5.20
TSTAMP	0.00		UW BUL-006 (10019730) Sondex 1-11/16" Ultrawire Bullnose Terminator Sub	0.22	1.69	1.20
Dataset: TEP_Federal RWF 422-8_TEMP_10-25-20.db: field/well/run1/main Total length: 7.62 ft Total weight: 63.00 lb O.D.: 3.13 in						

Calibration Report					
Database File	C:\ProgramData\Warrior\Data\Federal RWF 422-8\TEP_Federal RWF 422-8_TEMP_10-25-20.db				
Dataset Pathname	main				
Dataset Creation	Sun Oct 25 07:20:46 2020				
Temperature Calibration Report					
Serial Number:		10024052			
Tool Model:		016			
Performed:		Mon Oct 01 10:54:16 2018			
Point #	Reading		Reference		
1	12242.00	cps	68.00	degF	
2	18329.00	cps	104.00	degF	
3	29563.00	cps	176.00	degF	
4	41222.00	cps	248.00	degF	
5	52988.00	cps	320.00	degF	
6	58824.00	cps	356.00	degF	
7		cps		degF	
8		cps		degF	
9		cps		degF	
10		cps		degF	
Gamma Ray Calibration Report					
Serial Number:		10013899			
Tool Model:		020			
Performed:		Mon Oct 01 10:55:17 2018			
Calibrator Value:		637.0	GAPI		

Background Reading:	78.8	cps
Calibrator Reading:	1069.9	cps
Sensitivity:	0.6427	GAPI/cps



Company	TEP Rocky Mountain LLC
Well	Federal RWF 422-8
Field	Rulison
County	Garfield
State	Colorado