



# TEMPERATURE SURVEY

Company	ENCANA OIL AND GAS			
Well	FEE 24-8B1			
Field	GRASS MESA			
County	GARFIELD	State	COLORADO	
Location:	API # :		Other Services	
SEC 19 TWP 6S RGE 92W			Elevation	
Permanent Datum	GROUND LEVEL		Elevation	K.B. 5692 FT
Log Measured From				D.F. 5692 FT
Drilling Measured From	K.B.			G.L. 5670 FT

		8-APR-2013			
		ONE			
		7900 FT			
		7826 FT			
I		7826 FT			
		SURFACE			
		N/A			
		WATER			
		8.3# GAL			
)		205 DEG			
		2530 FT			
		01:30			
n		2:30			
		14098			
		GRAND JUNCTION R. HALL			
	T. KETTERLING				
Whole Record			Tubing Record		
it	From	To	Size	Weight	From To
Size		Wgt/Ft		Top	Bottom
4.5"		11.6#		SURFACE	7900

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All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and shall not 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 employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Price \$

Remarks:	Rig:NABORS M15	Prints:2	Service Order #199084
LOG MEASURED FROM K.B. DO NOT USE TO PERFORATE			
LOG RAN 6 HOURS AFTER CEMENT JOB			
YOUR CREW OF D. WILLIAMS AND T. WILLIAMS THANKS YOU			

BHT		EQUIPMENT DATA			
Bit Size		Run No.	Tool Type	Tool No.	Other
Surface Pressure					
Shut In					

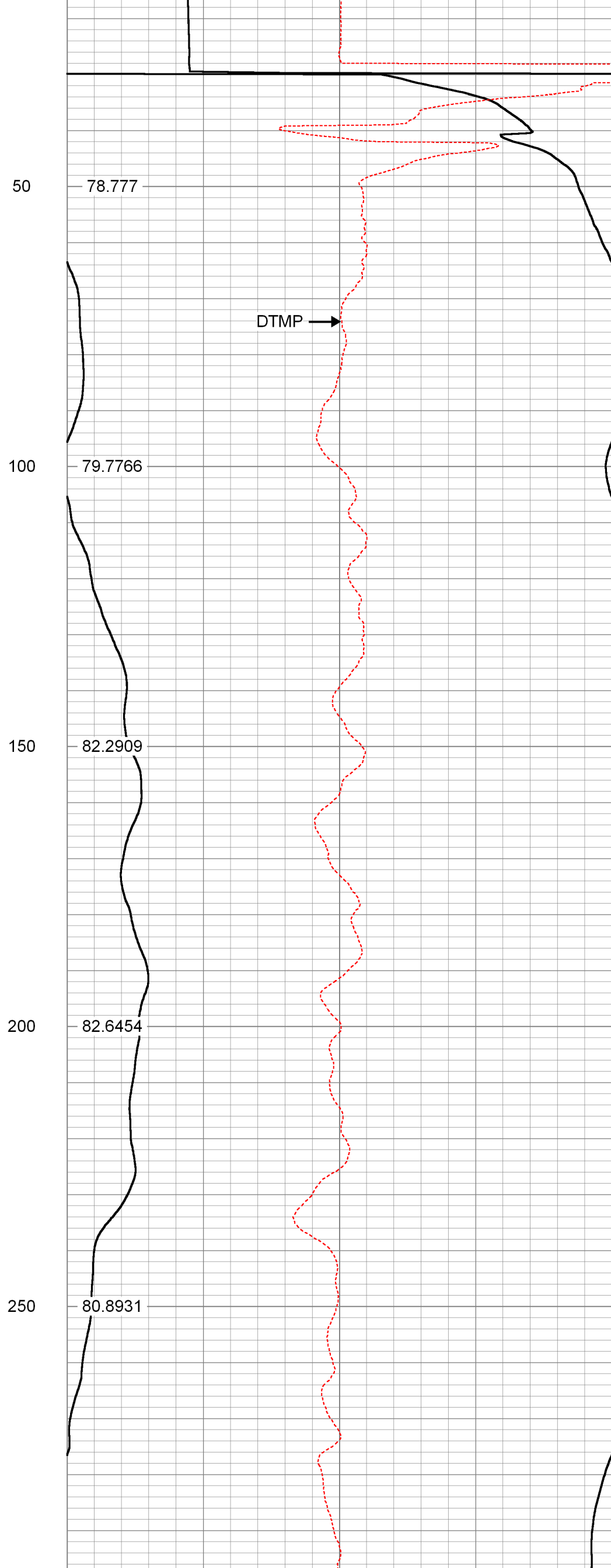
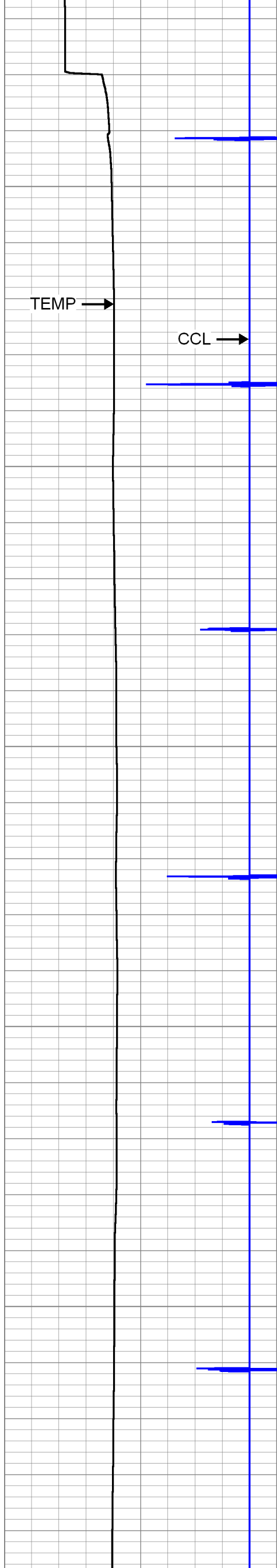


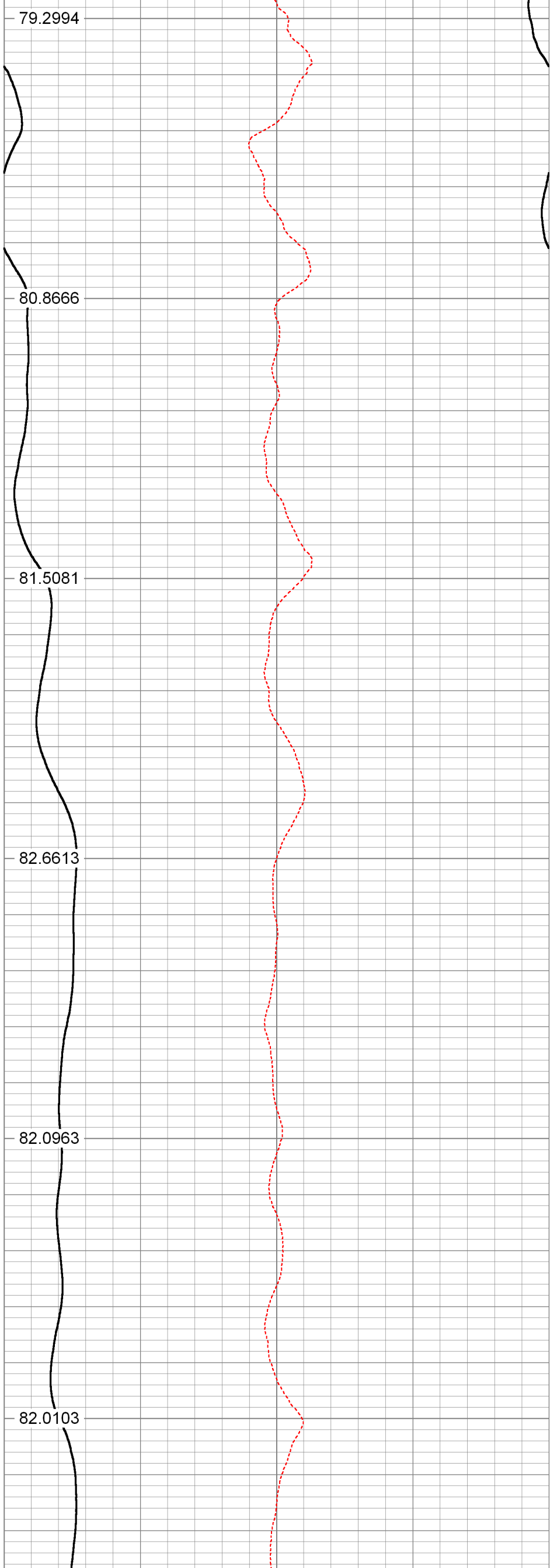
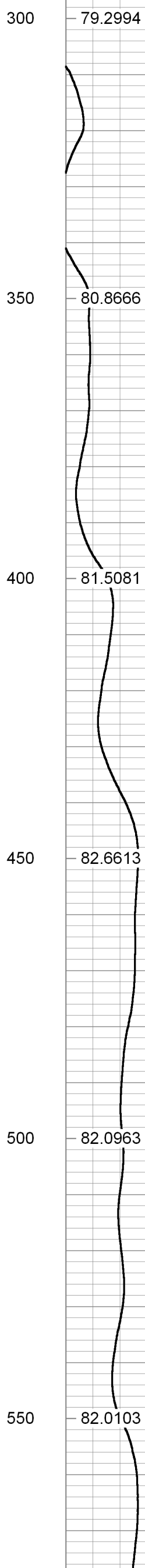
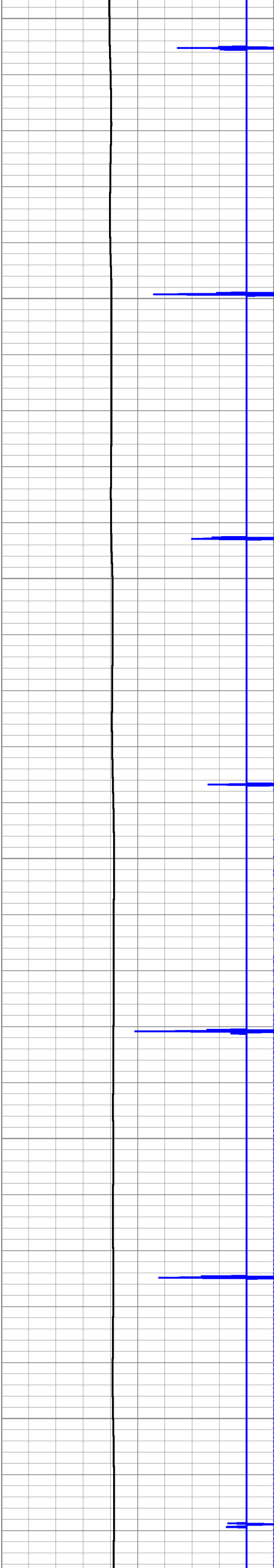
# TEMPERATURE SURVEY

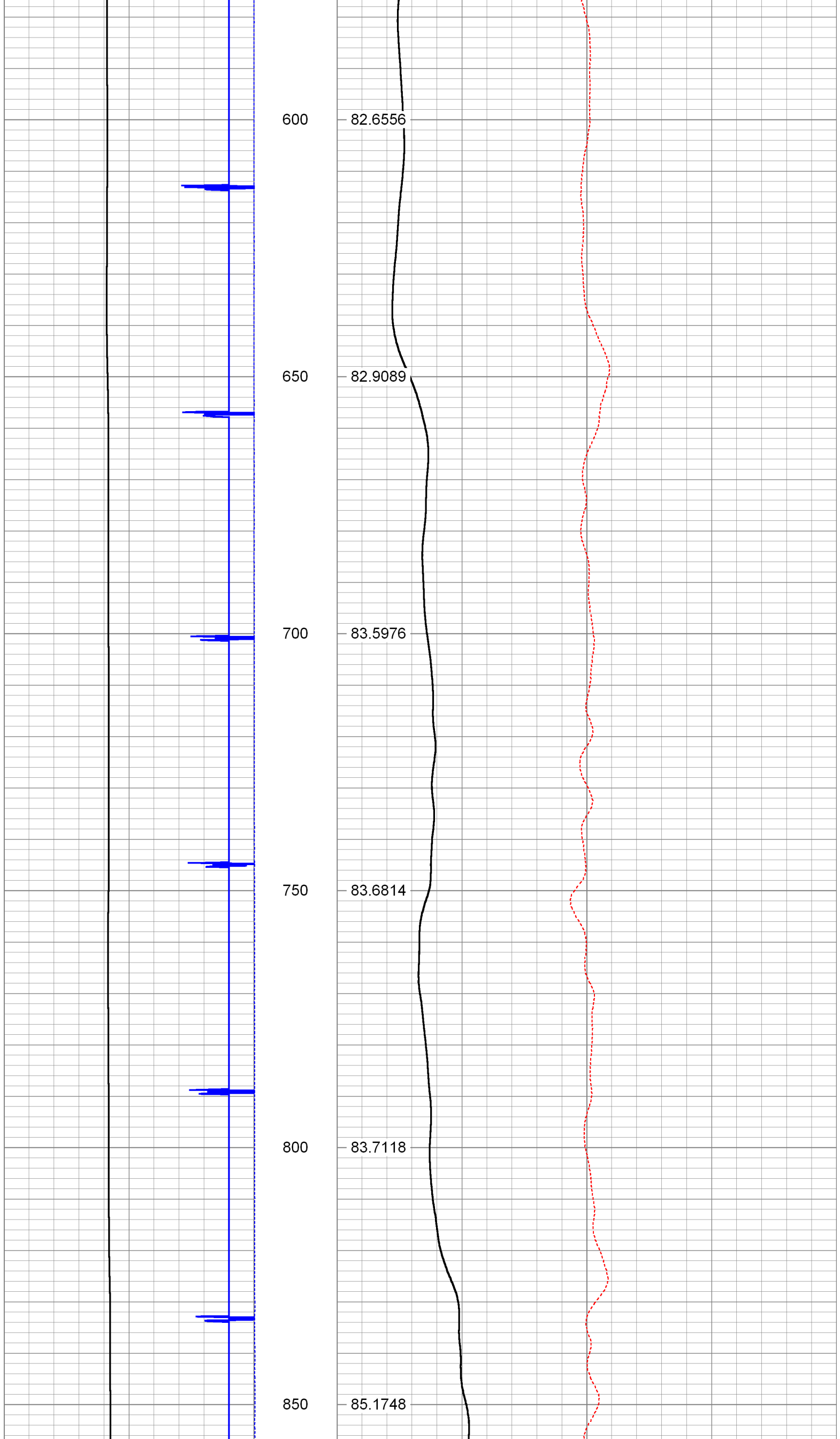
Database File: 199084.db  
Dataset Pathname: pass1  
Presentation Format: temp\_ws  
Dataset Creation: Mon Apr 08 01:28:48 2013 by Log Weatherford Casedho  
Charted by: Depth in Feet scaled 1:240

-9	COLLAR LOCATOR	1	LSPD (lb)	0		Temperature (degF)		20
0	TEMP (degF)	200		0	2000	-1	Differential Temp (degF)	
					TEMP (degF)			

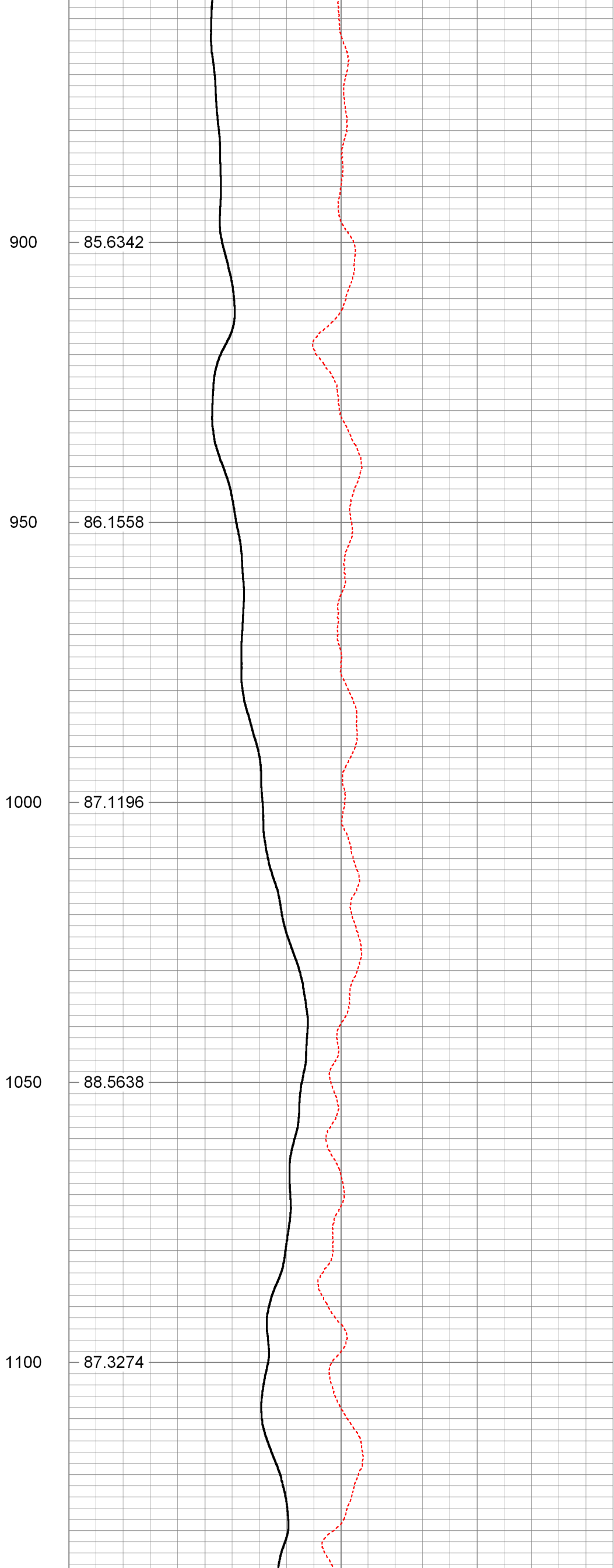


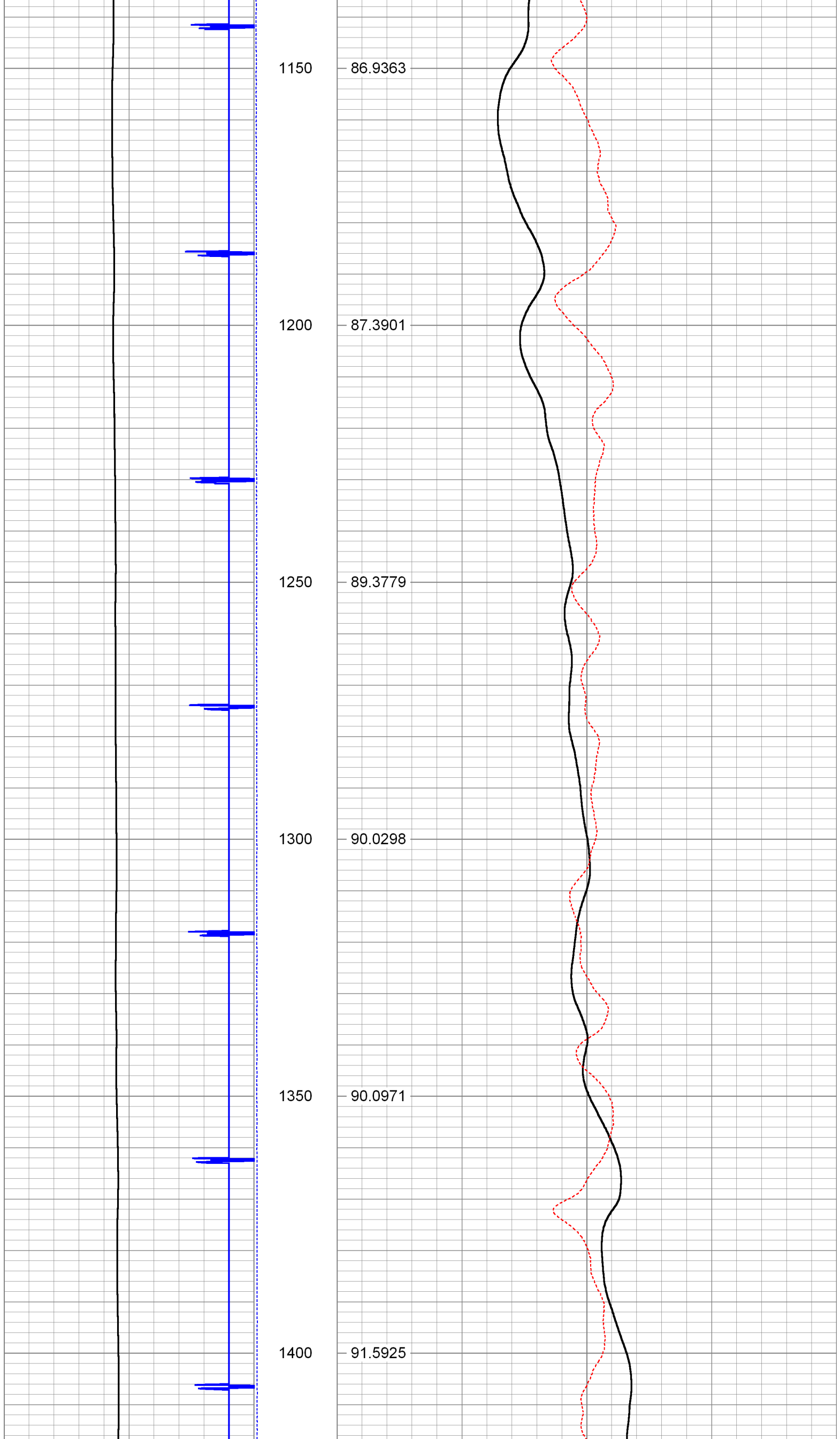


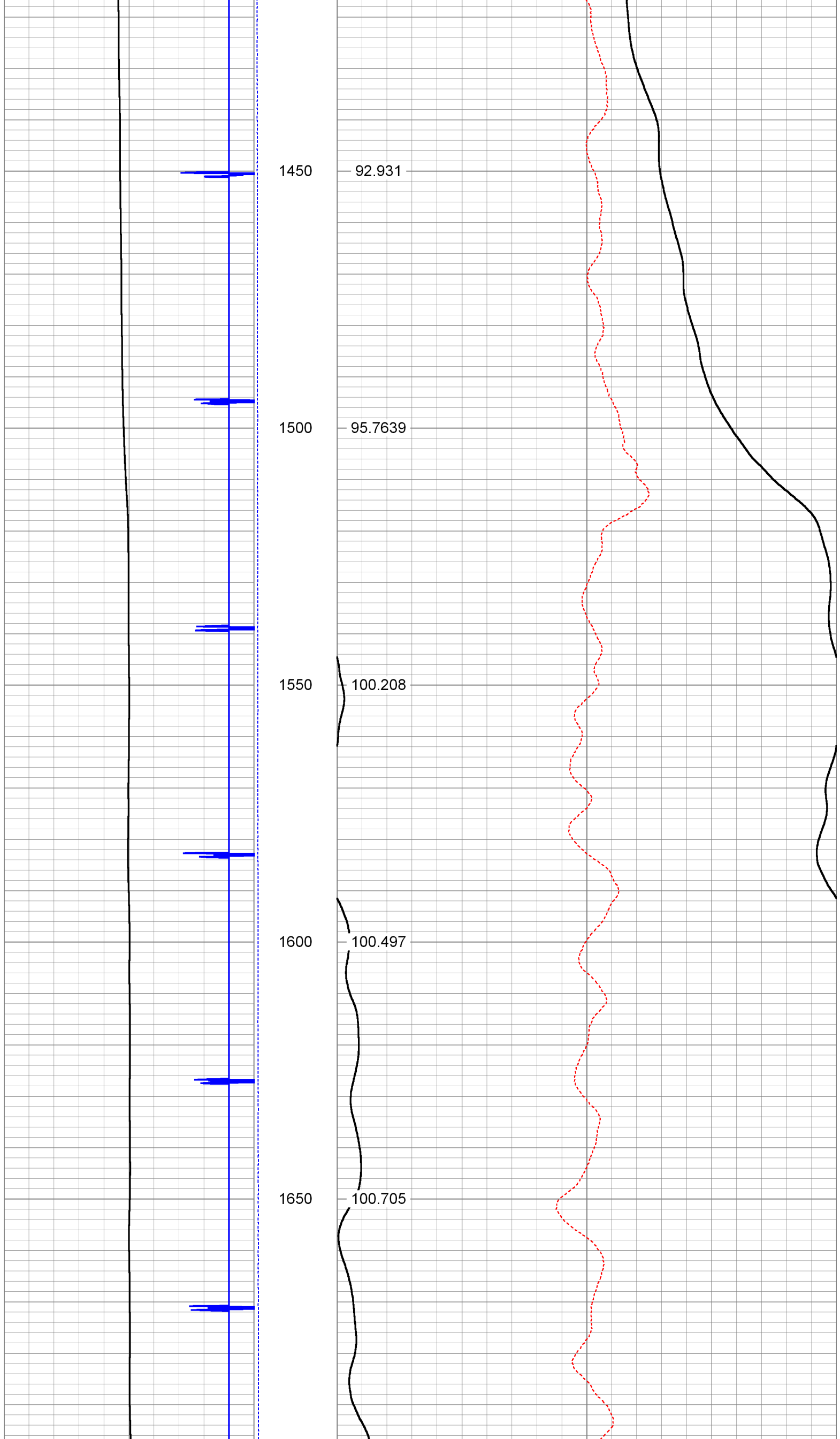


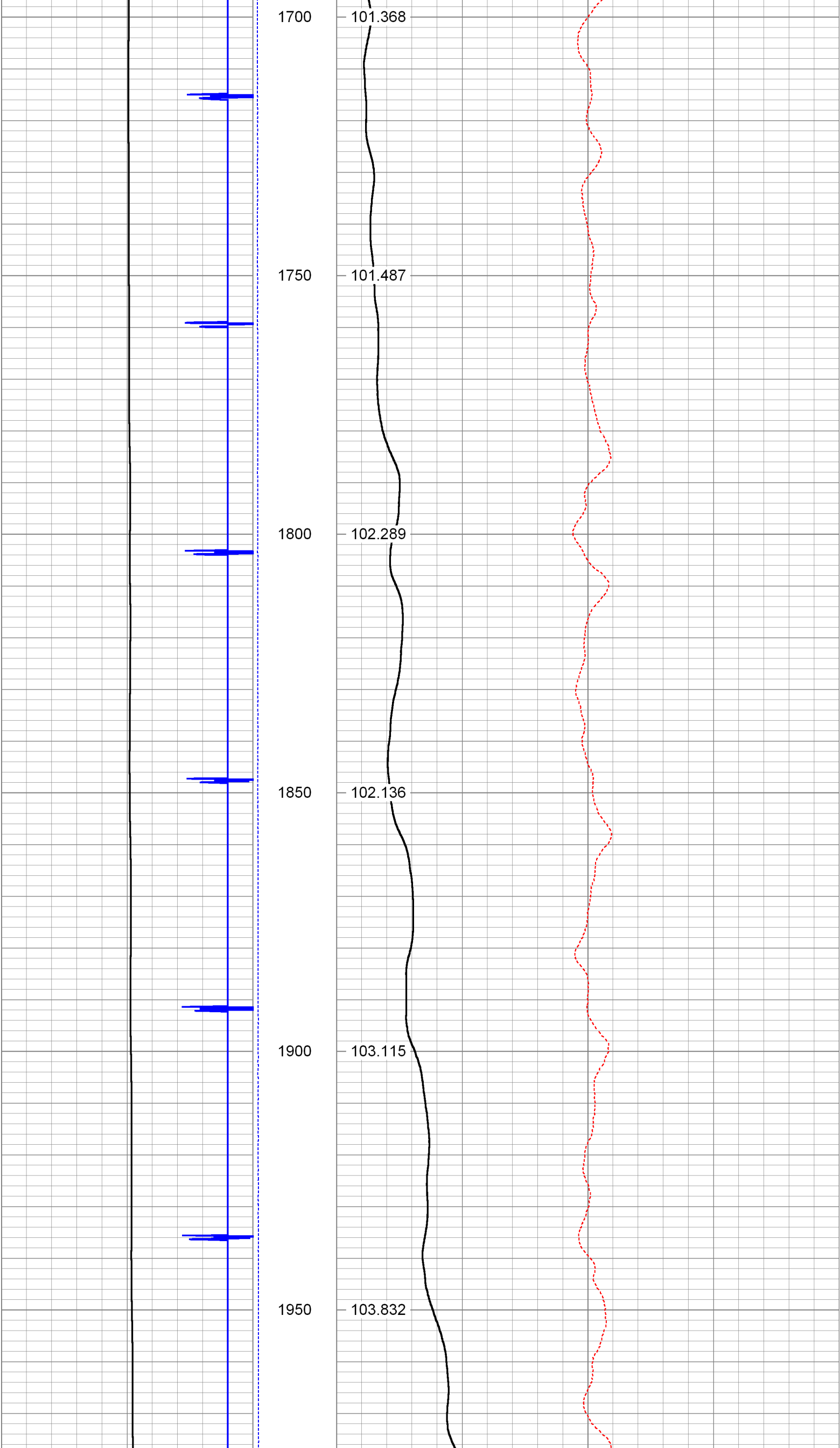


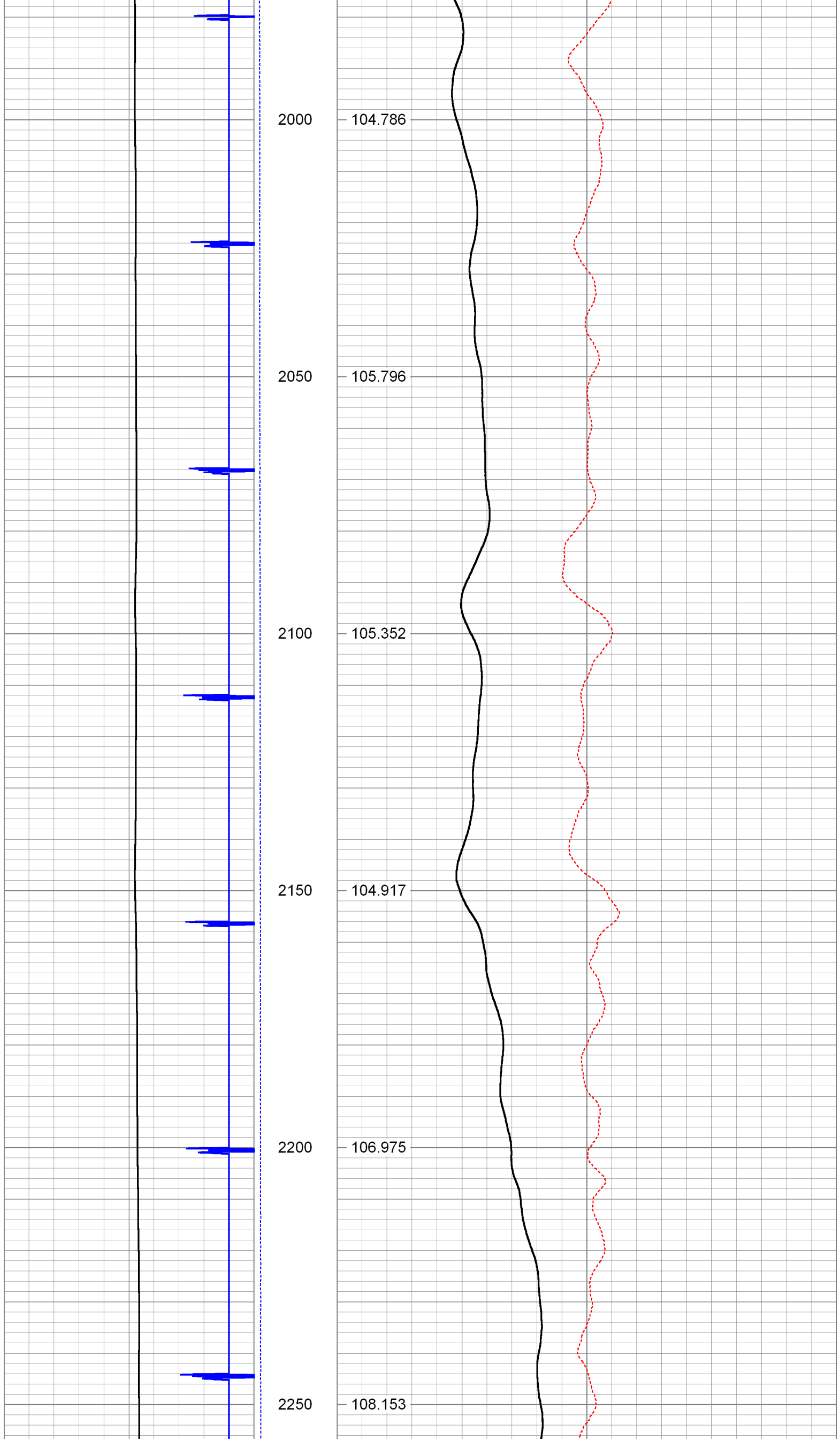


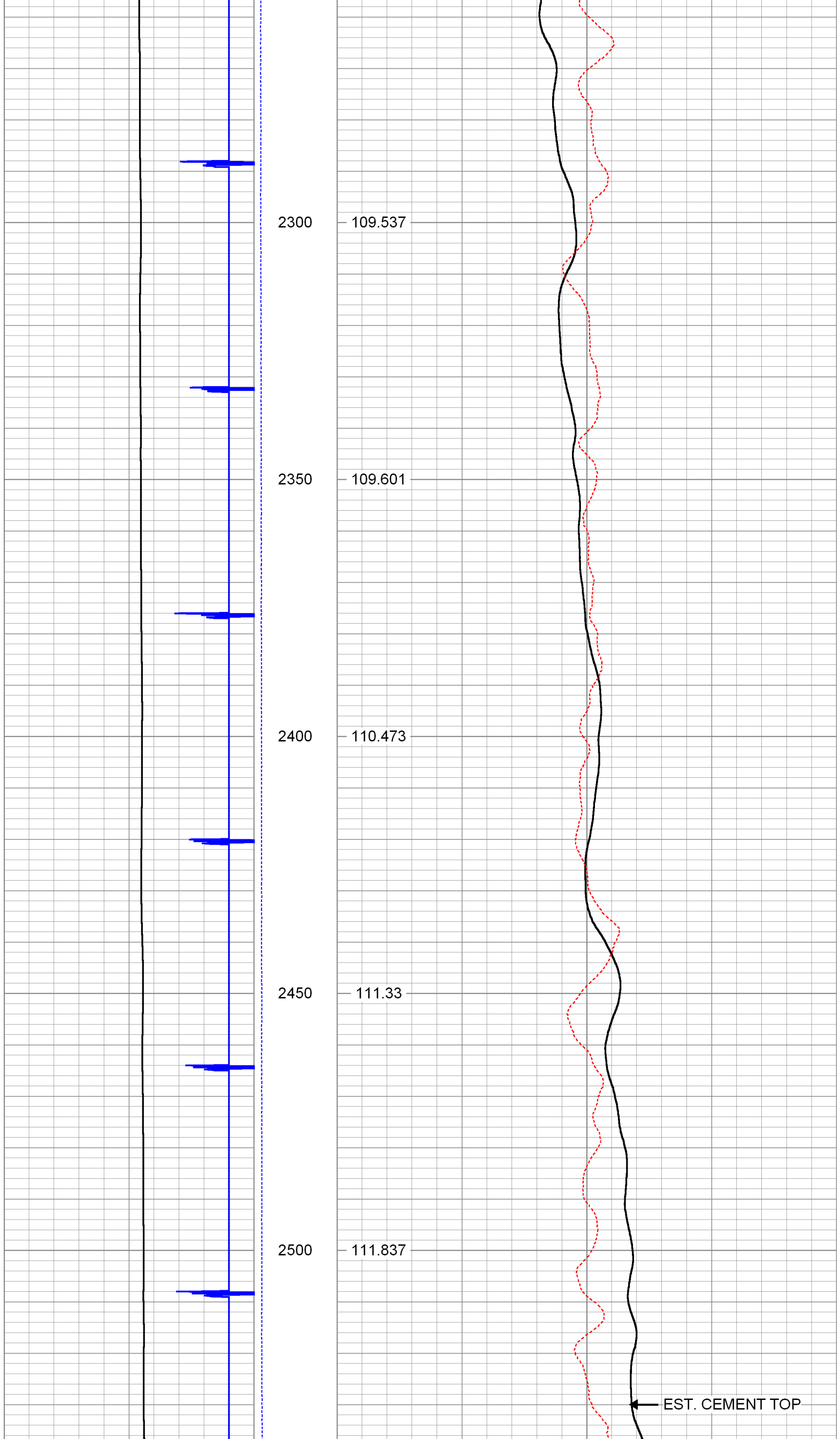


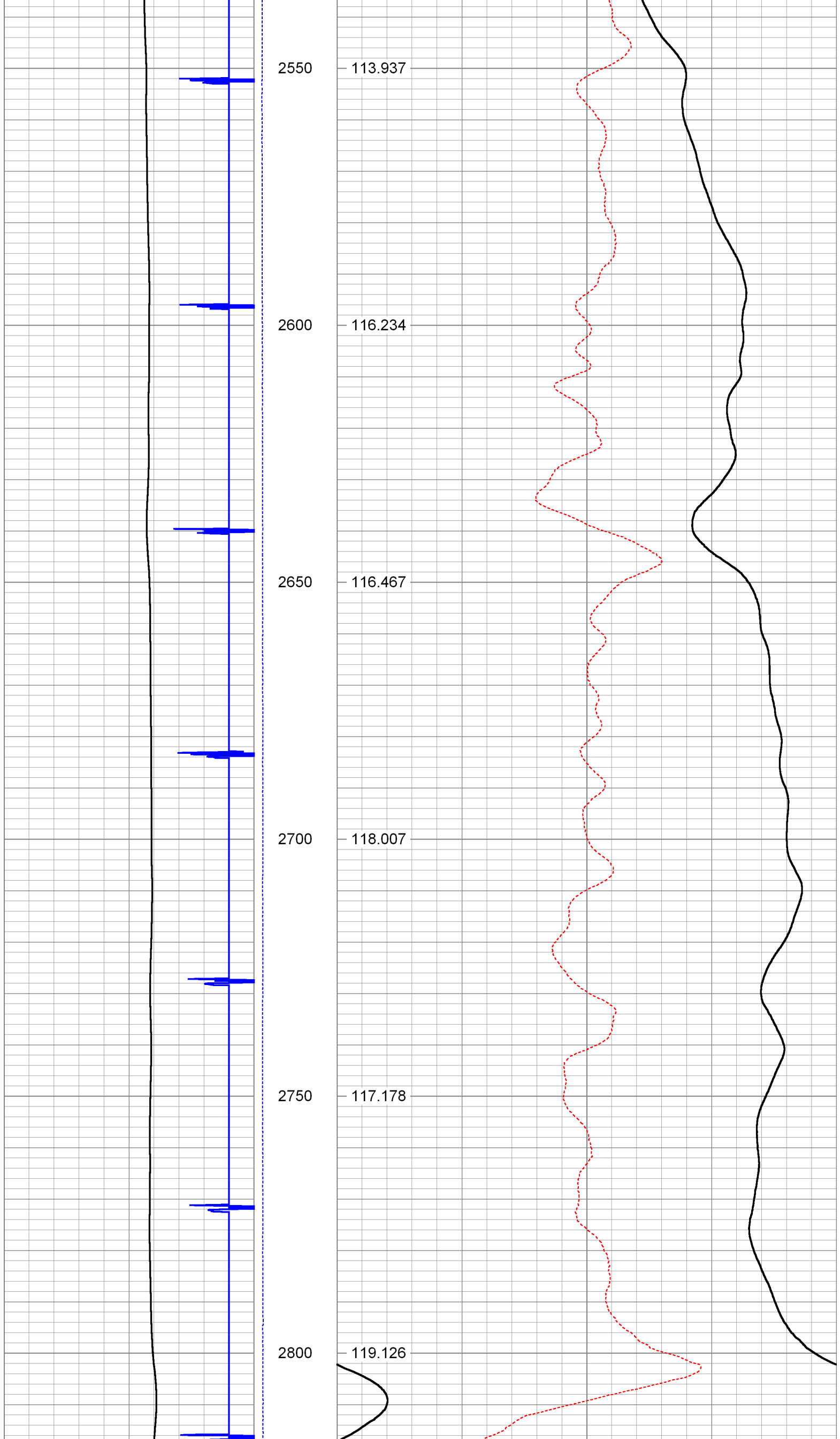


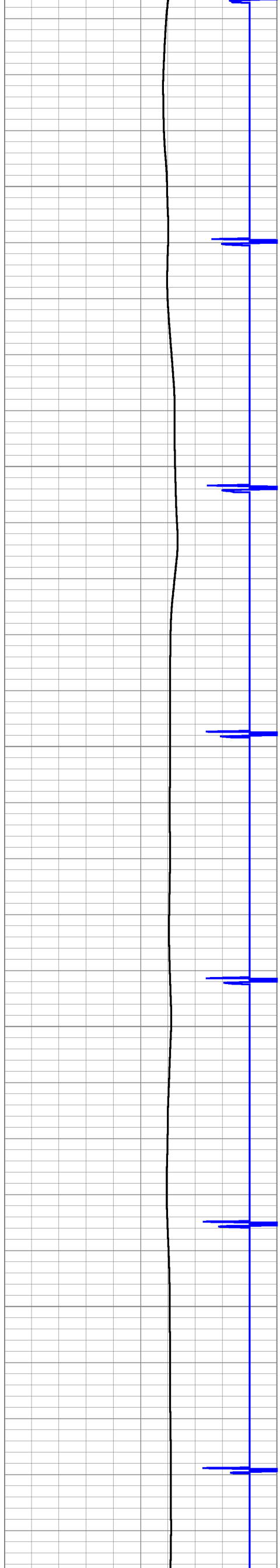












2850

119.432

2900

125.339

2950

121.713

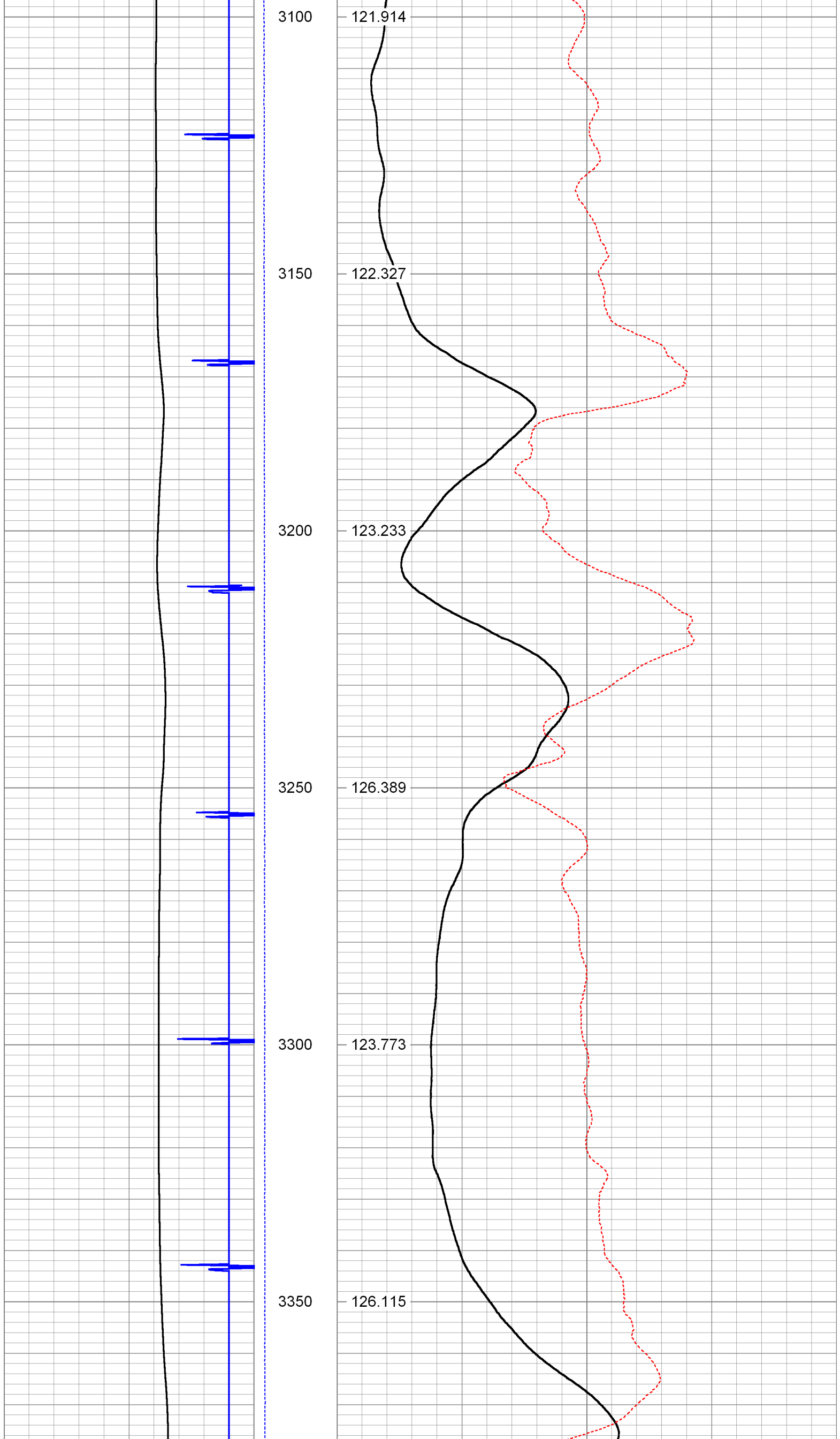
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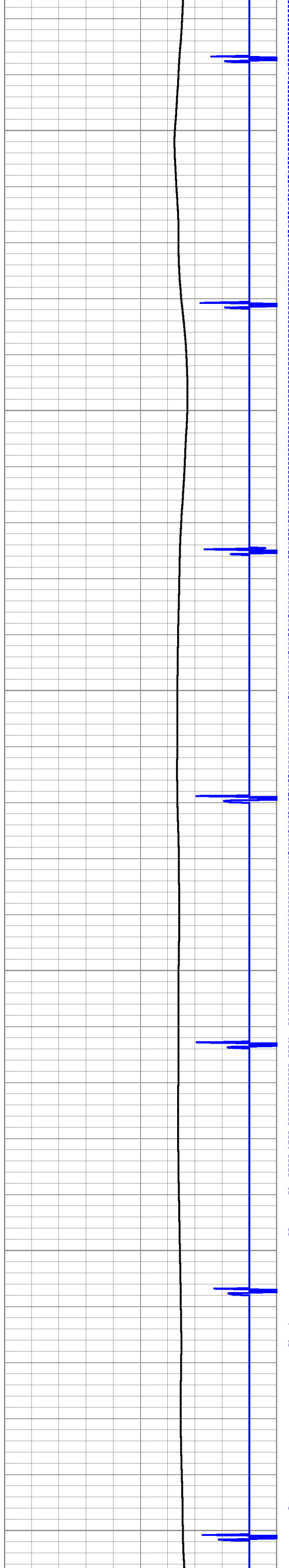
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3050

121.507



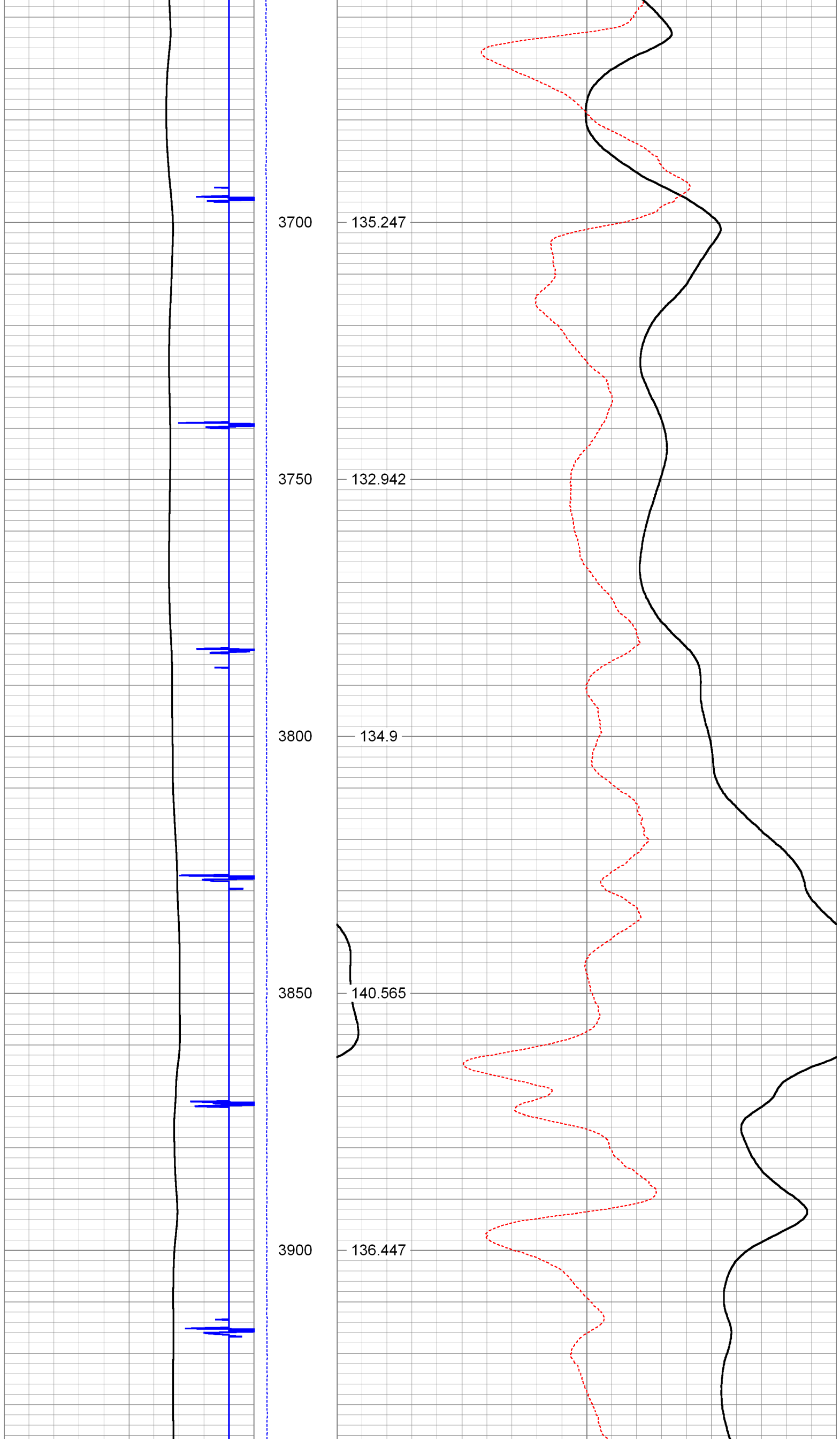


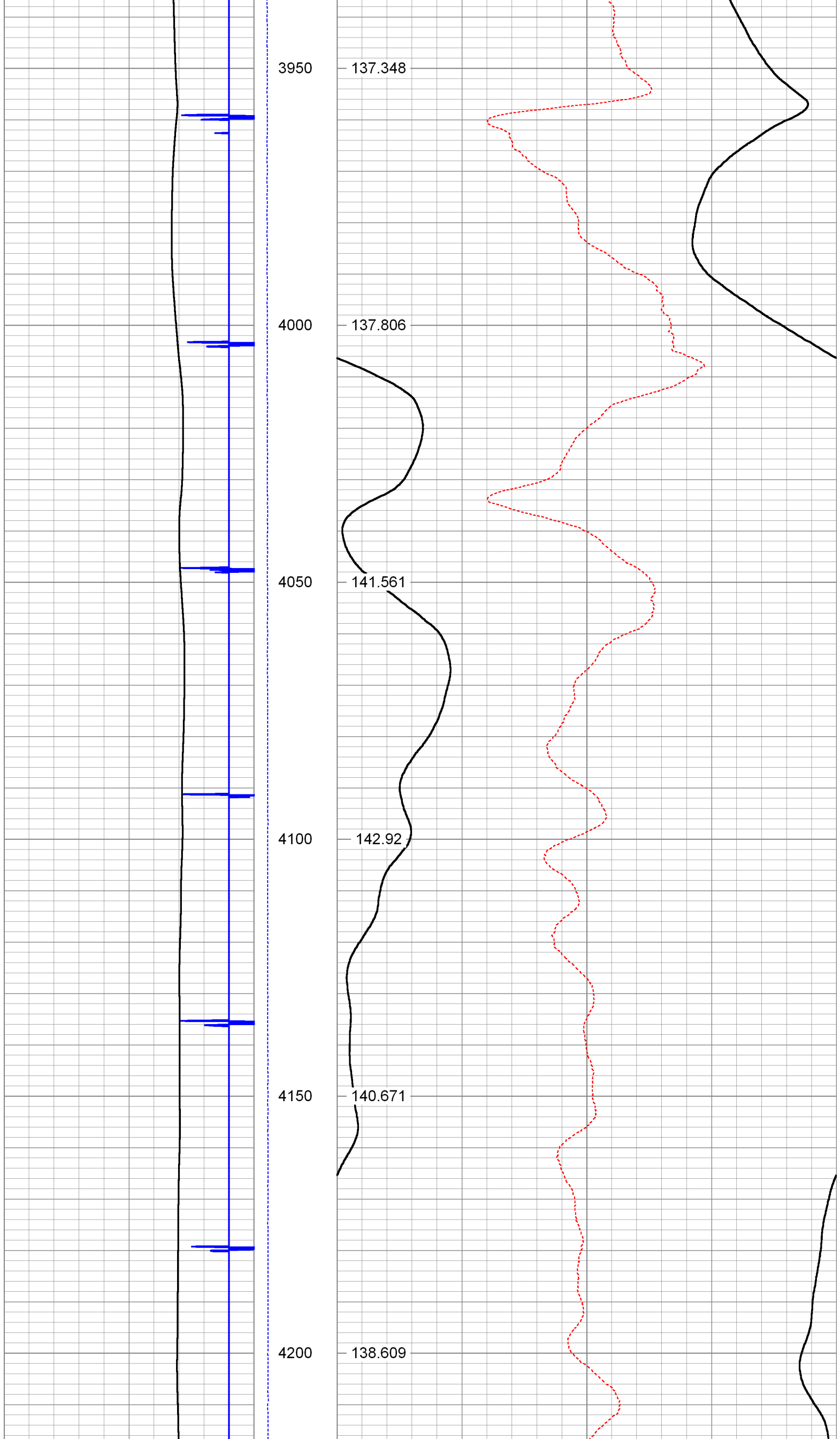


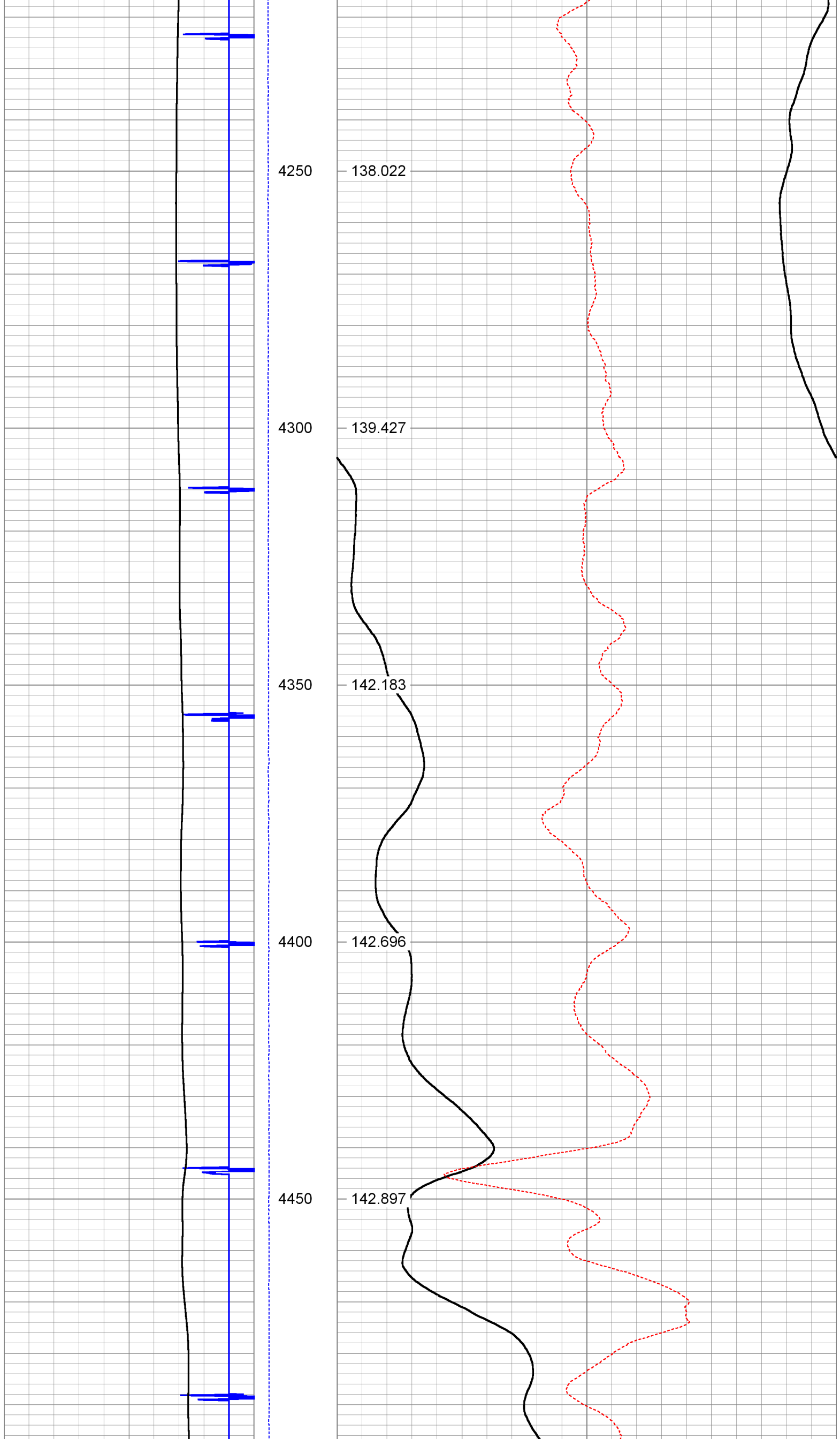
3400  
3450  
3500  
3550  
3600  
3650

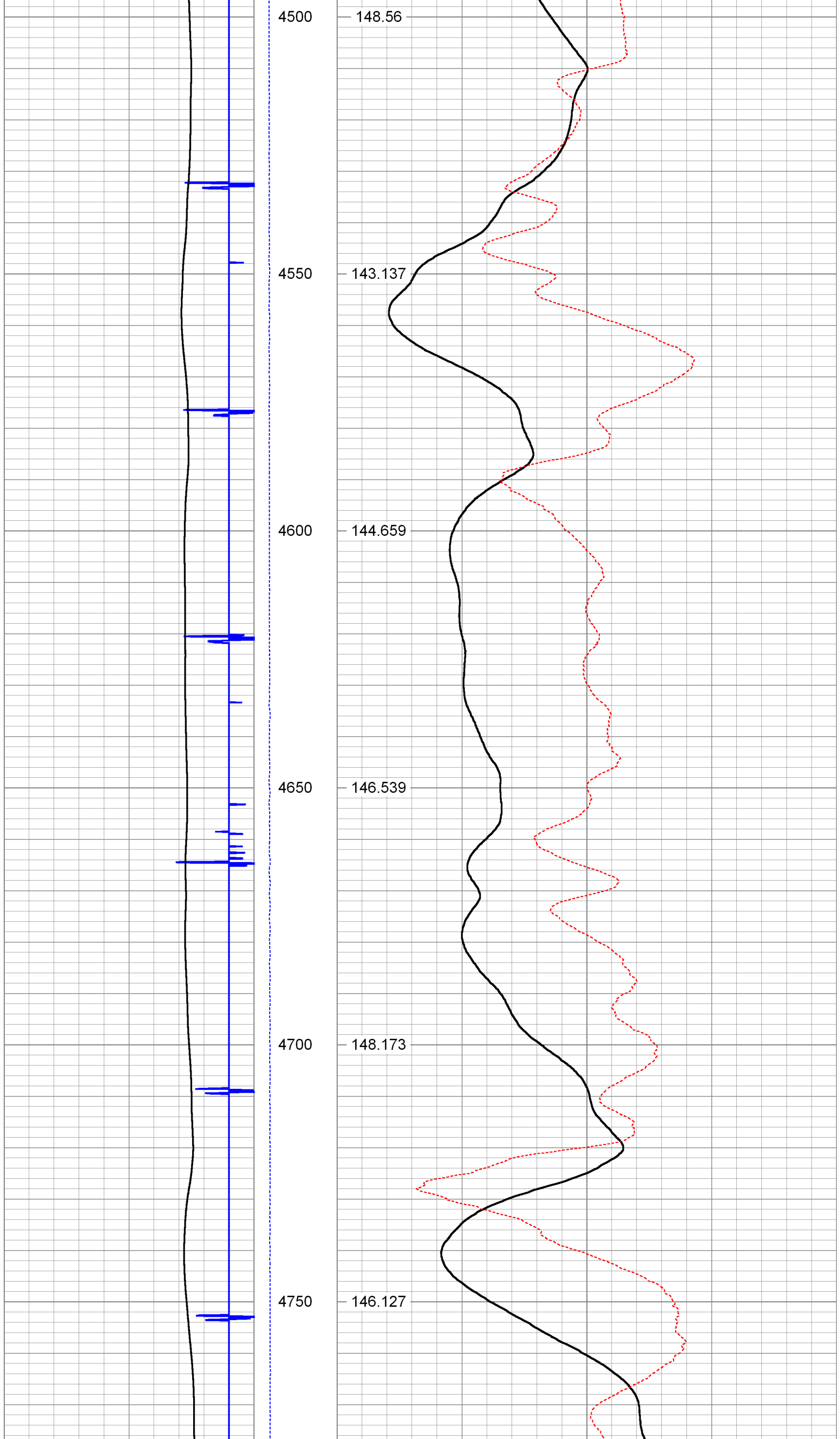
125.309  
134.518  
127.215  
128.074  
129.025  
131.194

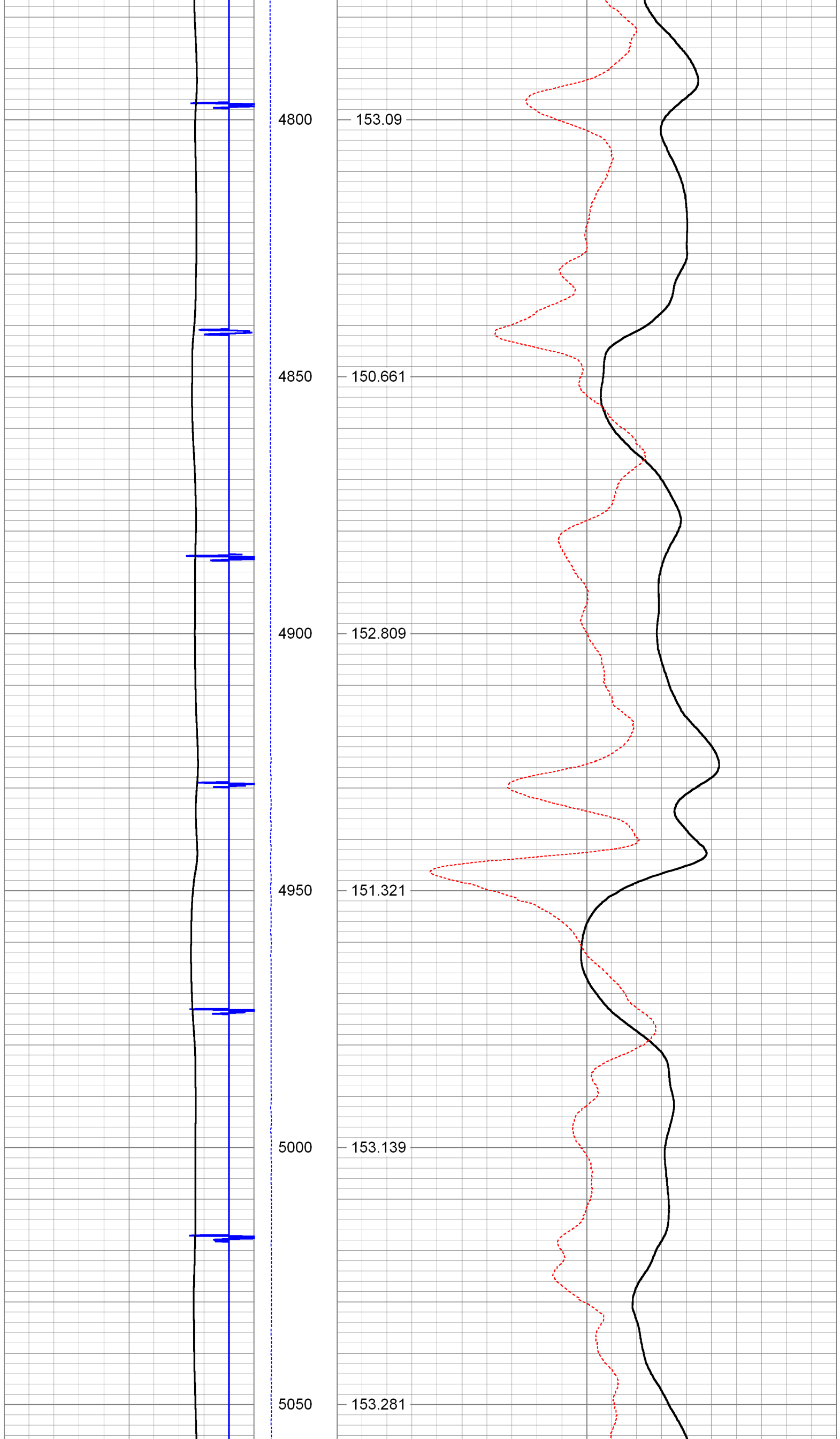


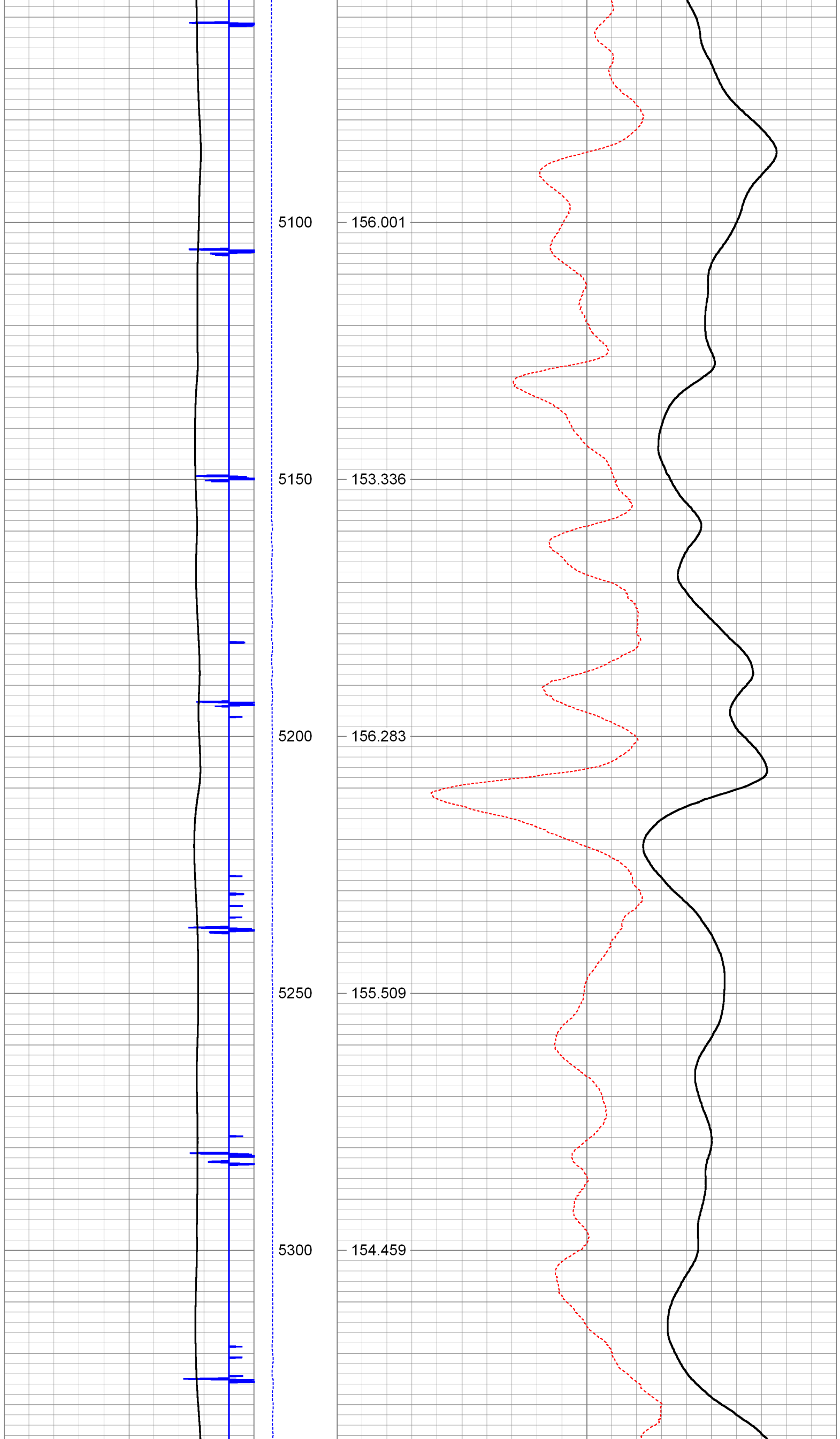




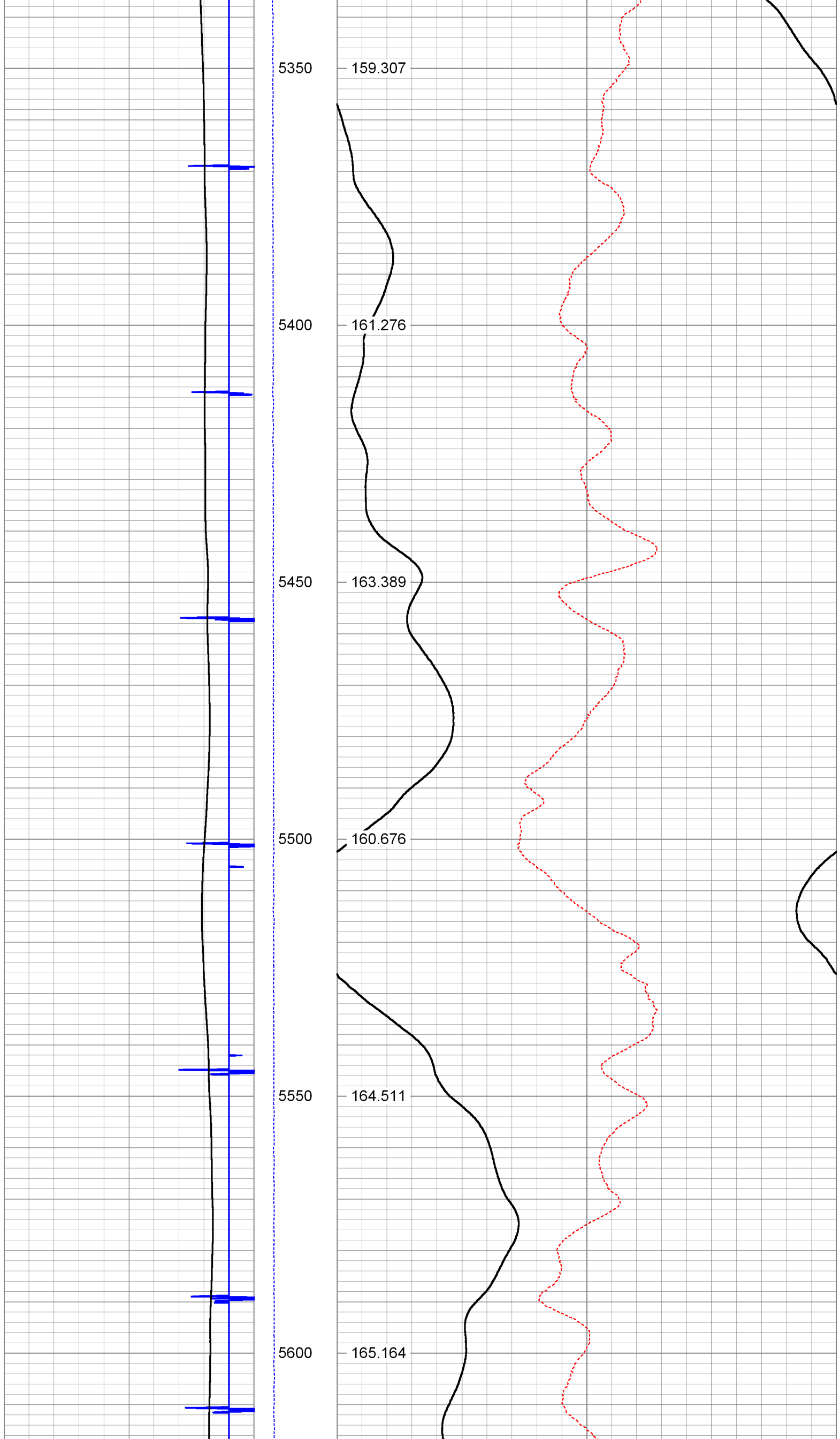


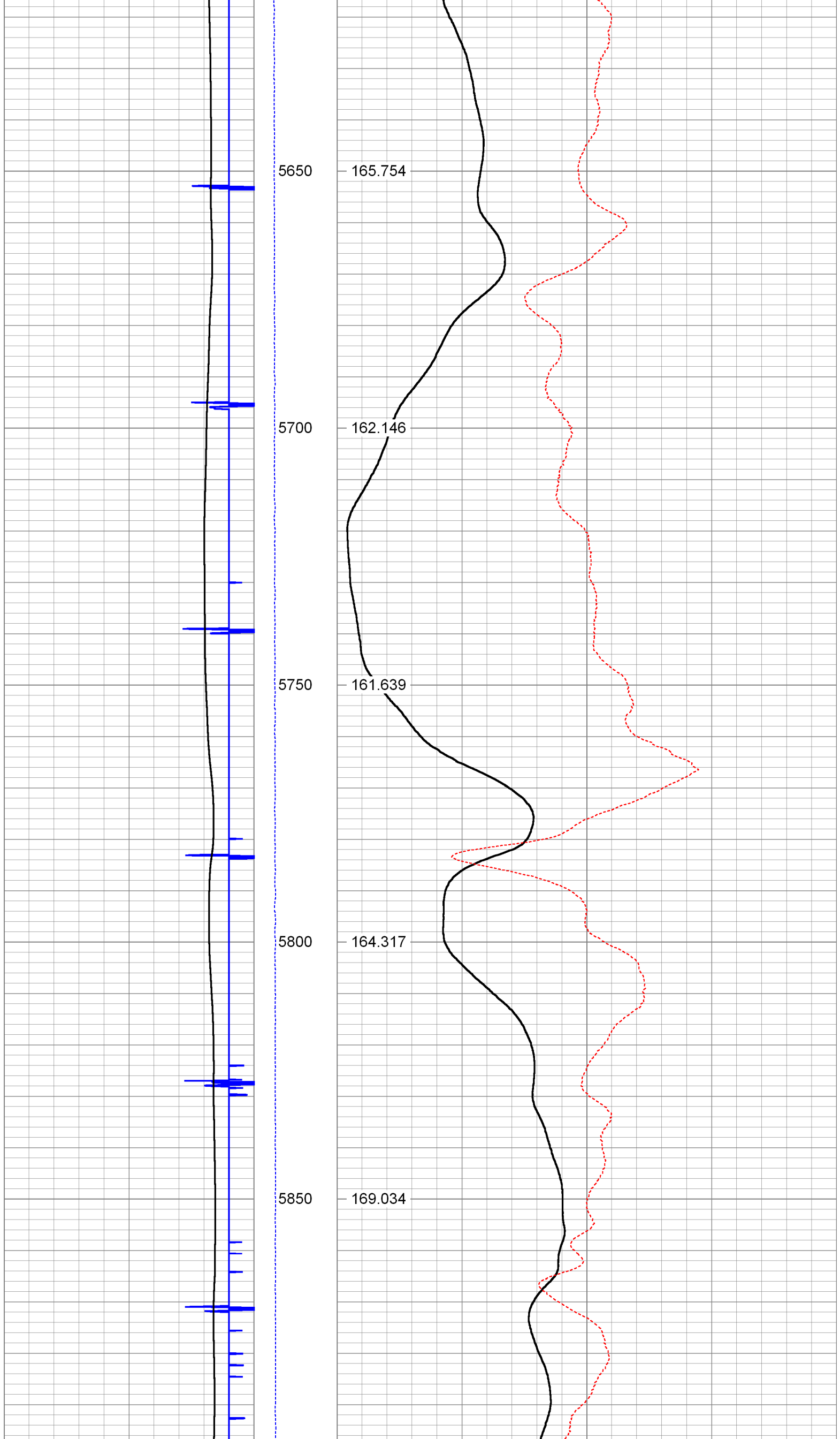


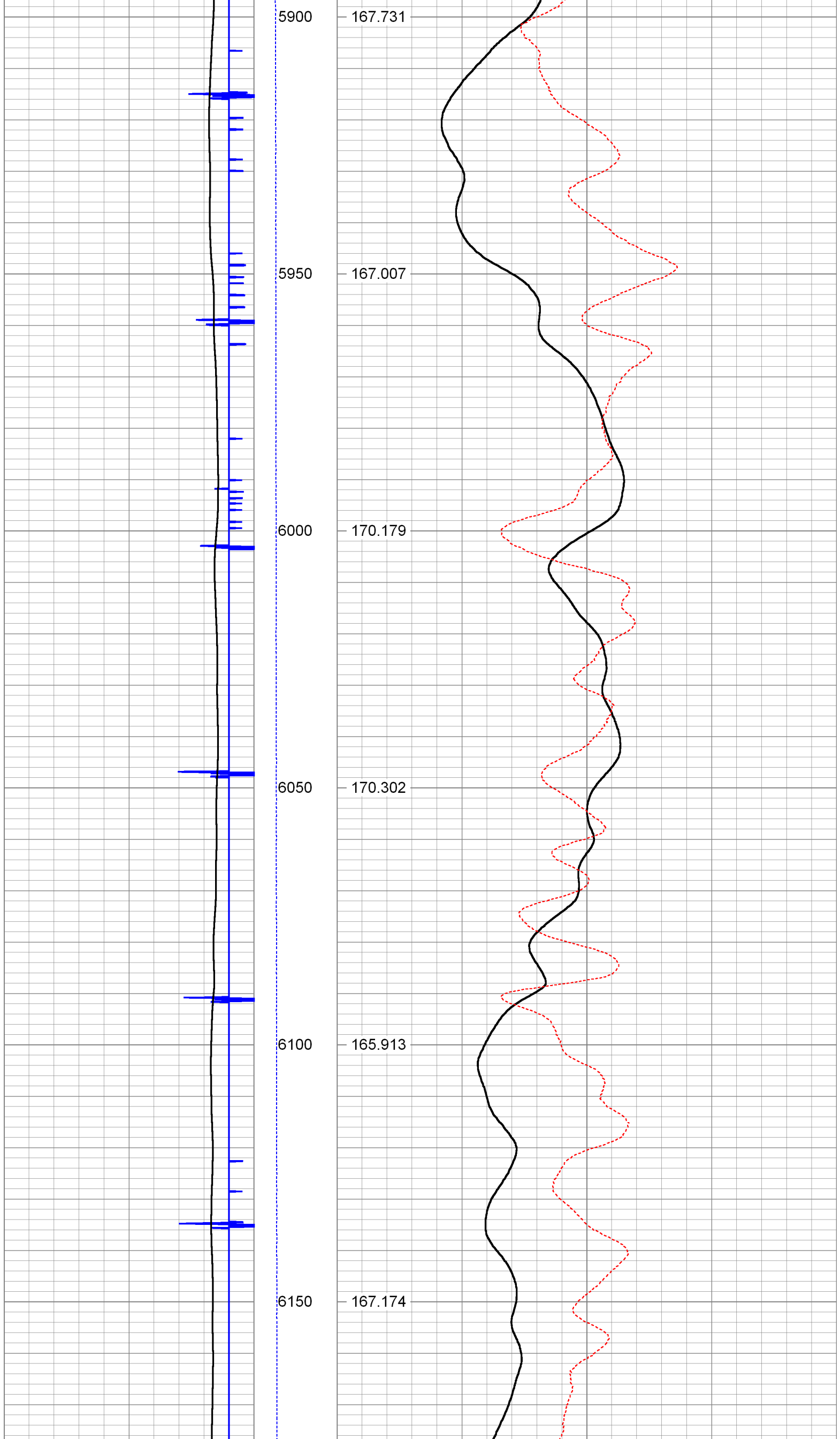


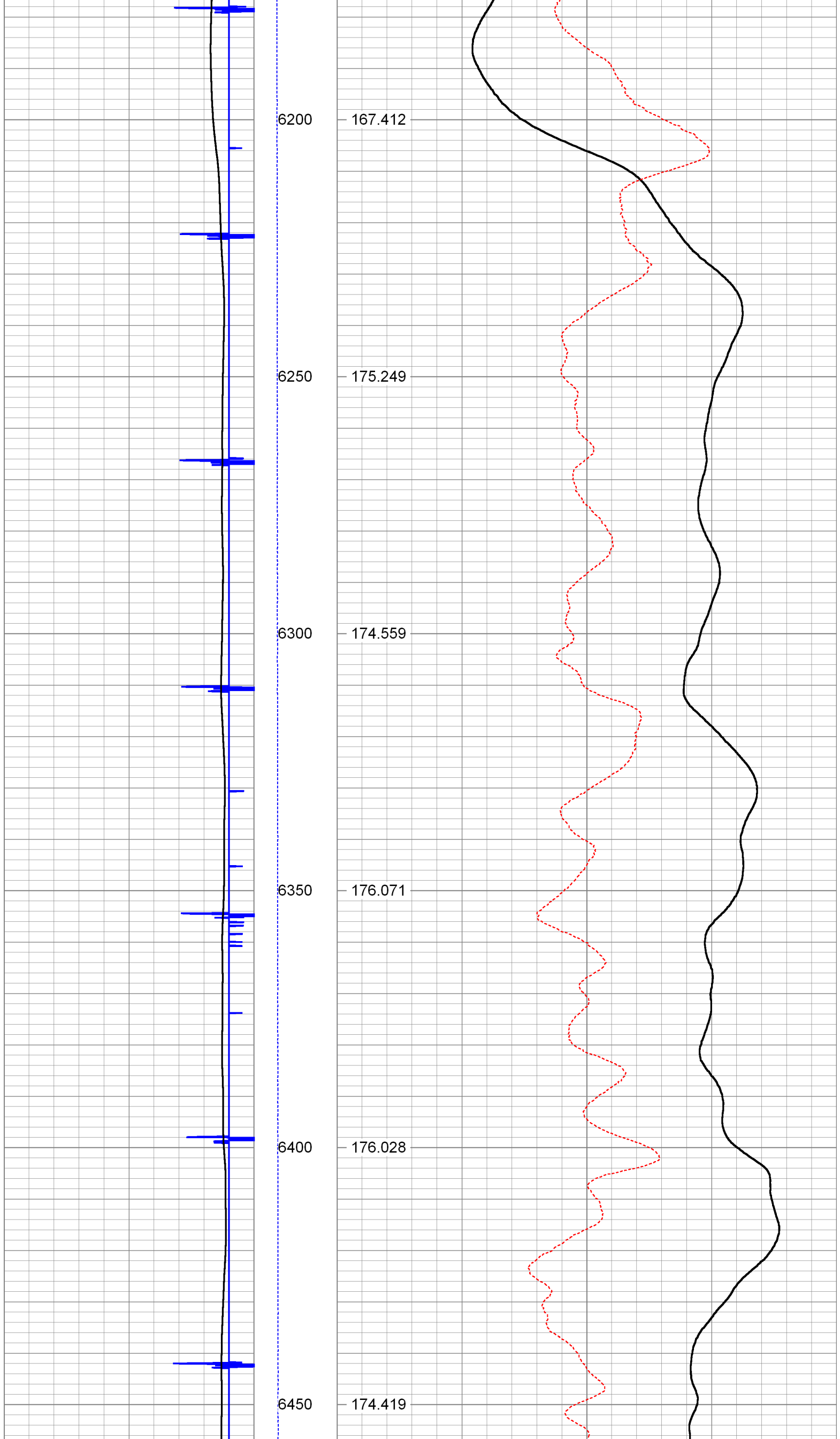


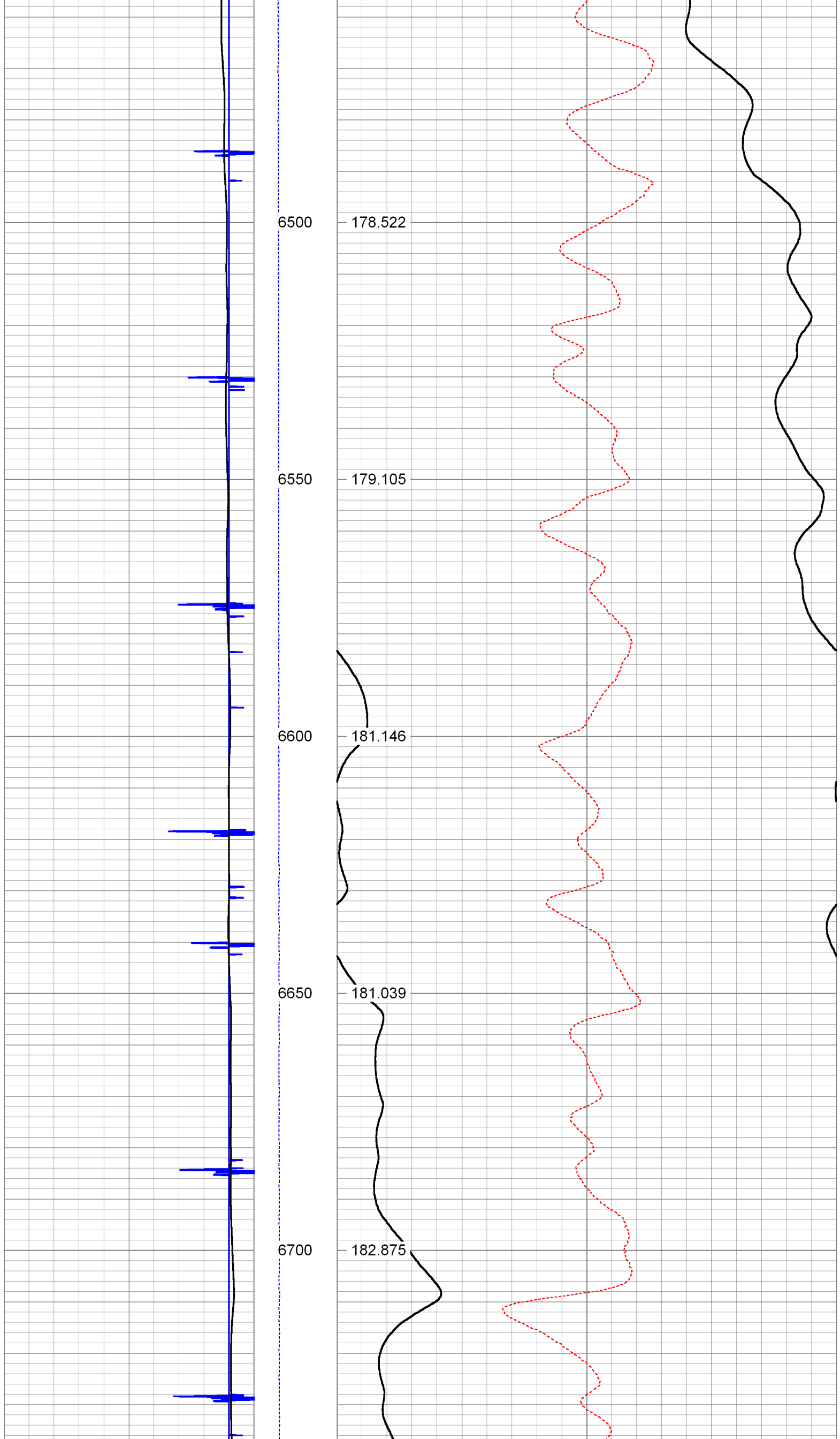


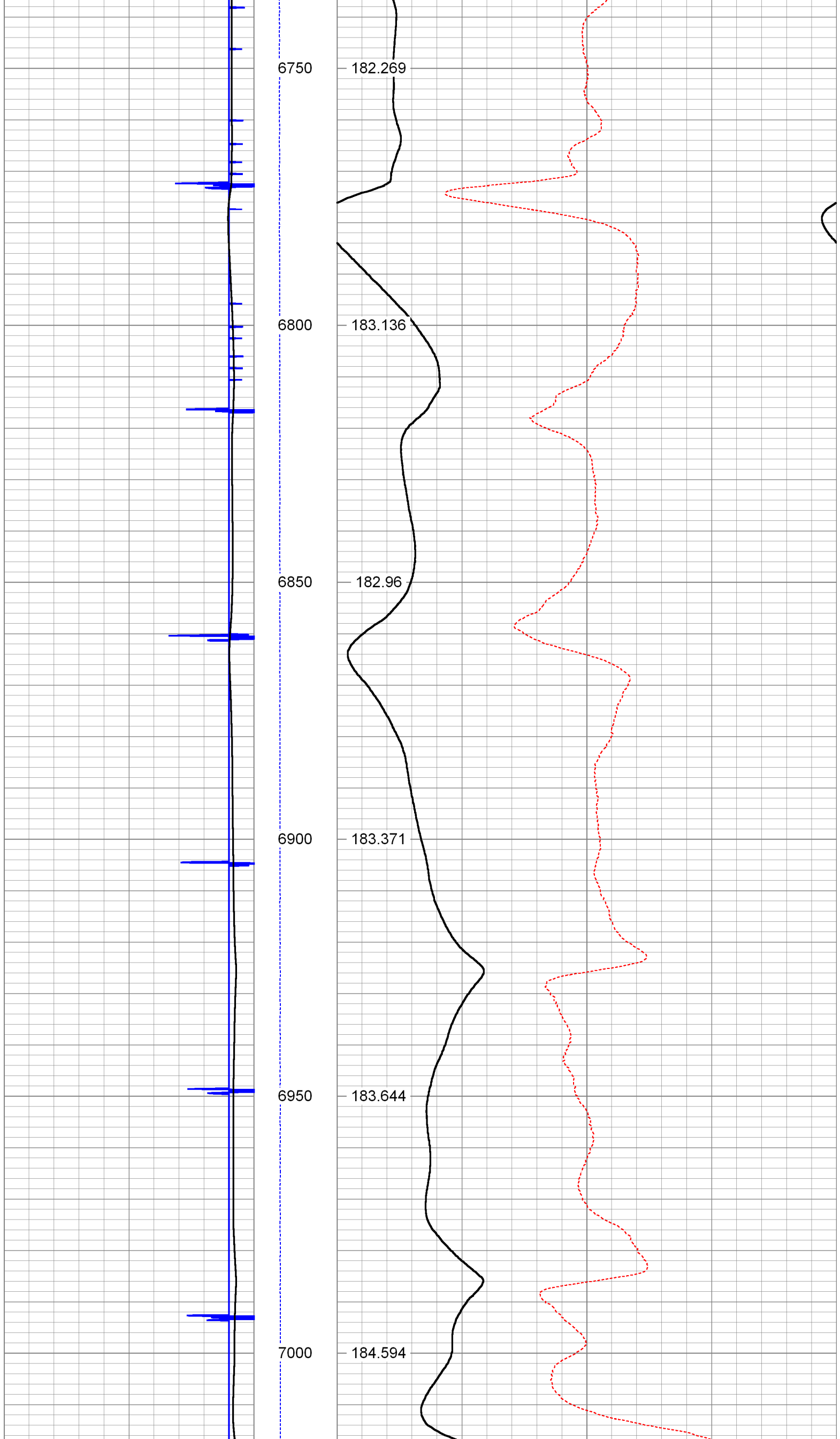














7050

7100

7150

7200

7250

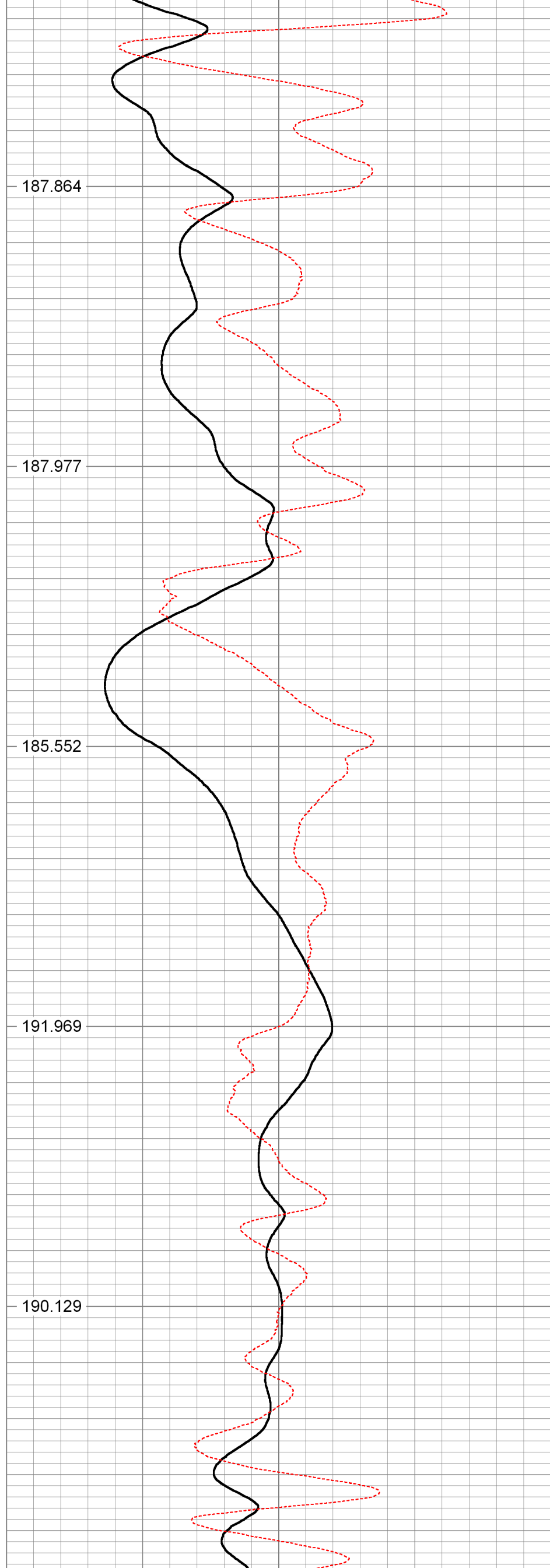
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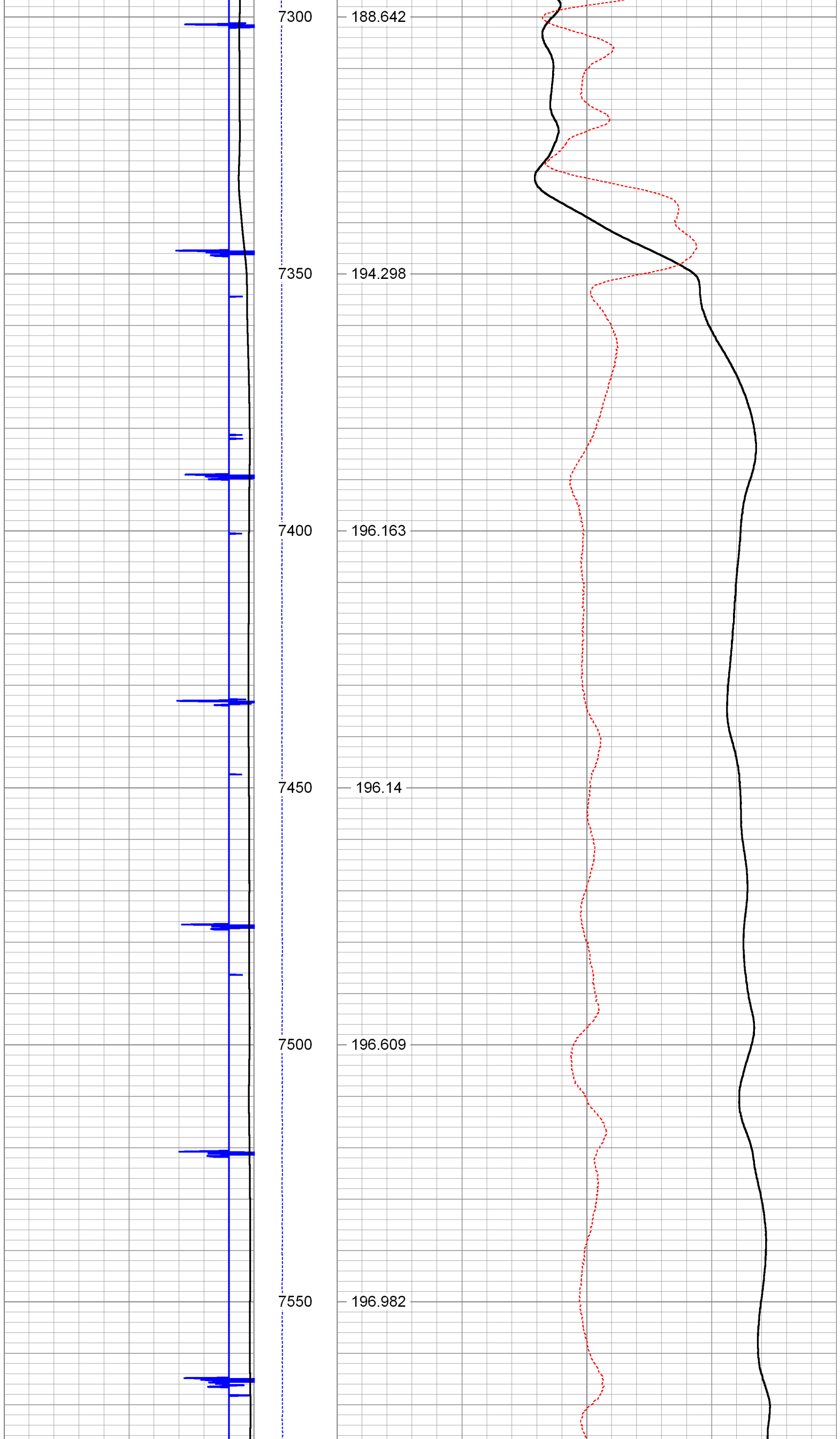
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185.552

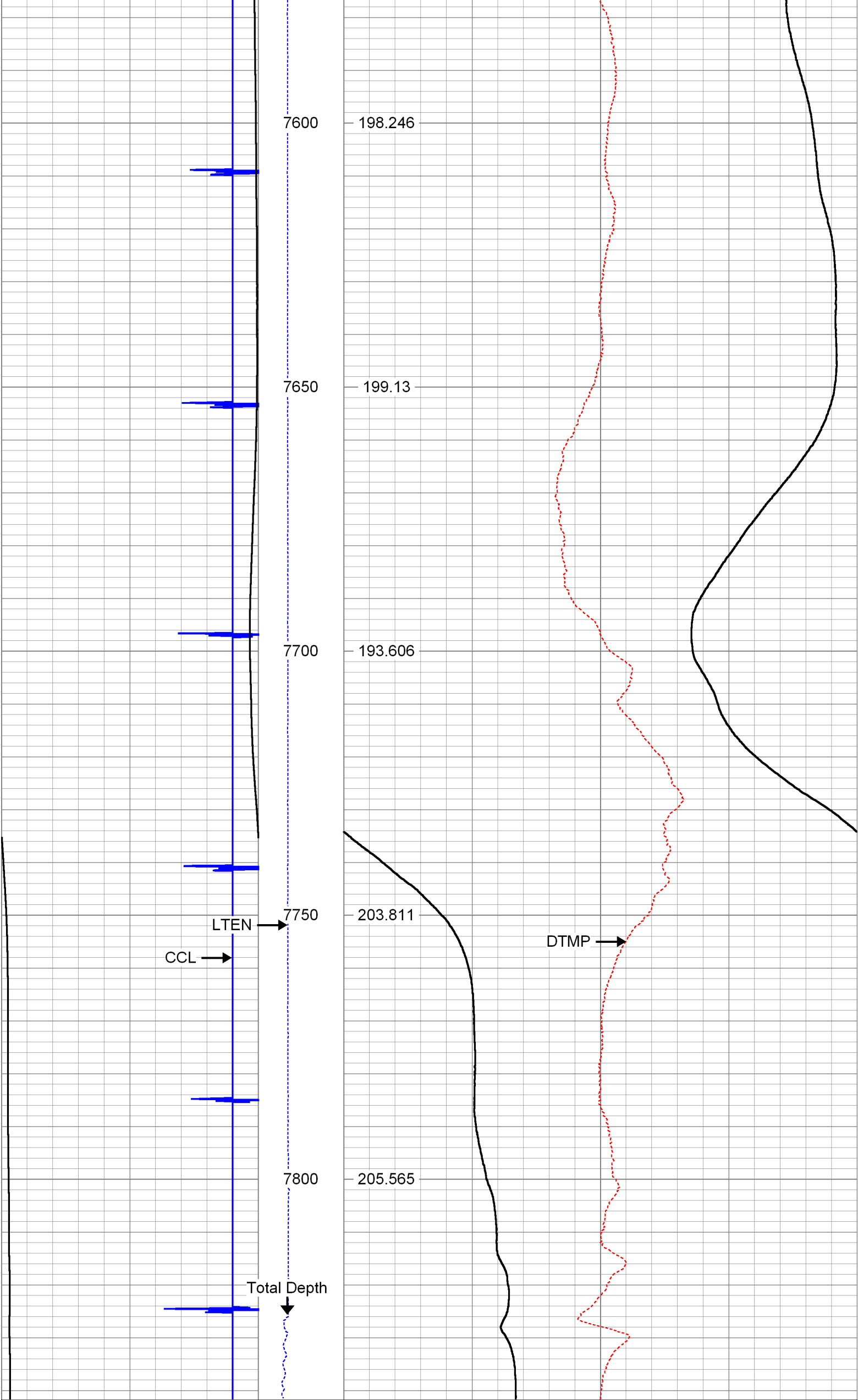
191.969

190.129









-9	COLLAR LOCATOR	1	LSPD	0	Temperature (degF)	20
0	TEMP (degF)	200	(lb)	-1	Differential Temp (degF)	1
			0	TEMP		

Calibration Report

Database File: 199084.db  
Dataset Pathname: pass1  
Dataset Creation: Mon Apr 08 01:28:48 2013 by Log Weatherford Casedho

Temperature Calibration Report

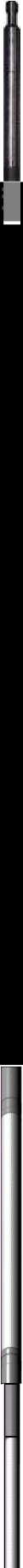
Serial Number: TMP1\_3H  
Tool Model: TMP1.3H  
Performed: Wed Feb 13 14:18:00 2013


Reference

Reading

Low Reference: 44.00 degF 440.28 cps  
High Reference: 142.00 degF 1452.90 cps

Gain: 0.10  
Offset: 1.39  
Delta Spacing 3

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Weatherford	1.03	1.44	
			1.6875s 1 11/16 in Steel Weight Bar	5.00	1.69	34.00
CCL	0.00		CCLL-CCLL1.3H (CCLL1_3H) 1 3/8" 350F/20K PSI TITAN LOGGING CCL	1.79	1.38	1.00

TEMP	-2.93		TMP-TMP1.3H (TMP1_3H) 1 3/8" 350F/20K PSI TITAN TEMPERATURE TOOL	2.36	1.38	8.00
<div> <div>Dataset:</div> <div>199084.db: field/well/run1/pass1</div> </div> <div> <div>Total Length:</div> <div>10.18 ft</div> </div> <div> <div>Total Weight:</div> <div>43.00 lb</div> </div> <div> <div>O.D.</div> <div>1.69 in</div> </div>						