

Brand X  
Wireline LLC

GAMMA RAY, CCL  
CEMENT BOND, VDL  
TEMP

Company GREAT WESTERN OIL & GAS CO		Country U.S.A	
Well JOAN 31-17		Company GREAT WESTERN OIL & GAS CO	
Field WATTENBERG		Well JOAN 31-17	
County WELD		Field WATTENBERG	
State COLO		County WELD	
		State COLO	
		Country U.S.A	
Location:		API # : 05-123-23760	
		Other Services	
SEC 17 TWP 1N RGE 63W		NW/NE	
Permanent Datum		GL	Elevation 4861
Log Measured From		KB 11'	
Drilling Measured From		KB	
Elevation		K.B. 4872	
		D.F. 4871	
		G.L. 4861	
Date	JUNE-14-21		
Run Number	ONE		
Depth Driller	7417		
Depth Logger	7213		
Bottom Logged Interval	7209		
Top Log Interval	SURFACE		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	8.34 PPG		
Max. Recorded Temp.	208		
Estimated Cement Top	SEE LOG		
Time Well Ready	ROA		
Time Logger on Bottom	5:15 PM		
Equipment Number	14166		
Location	STERLING, CO		
Recorded By	KYLE GIRDLER		
Witnessed By	BENELLIS		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
		From	To
Casing Record	Size	Mgt/Ft	Top
Surface String	8 5/8		SURFACE
Prot. String			
Production String	4.5	11.6	SURFACE
Liner			7405'

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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.

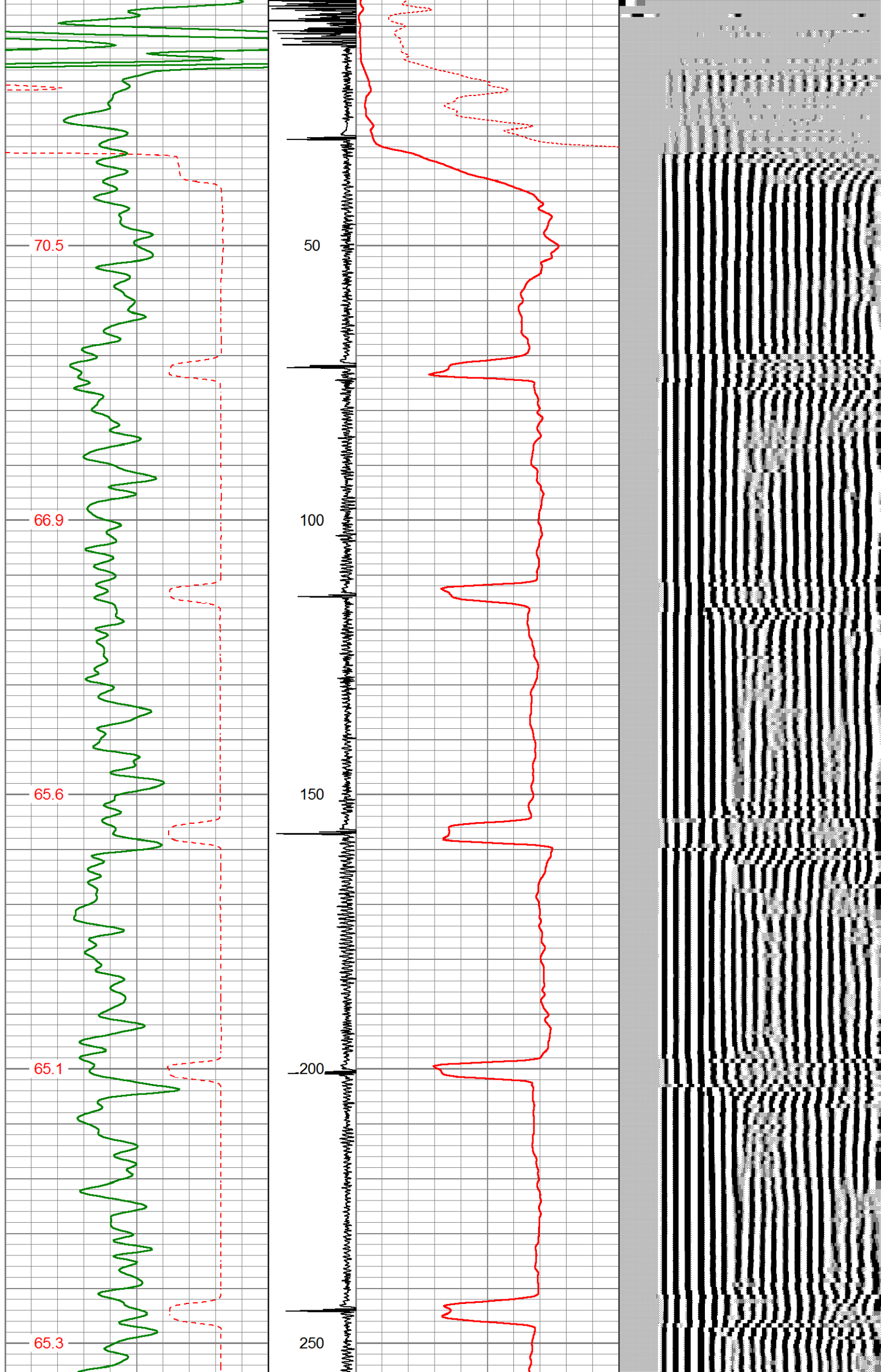
Comments

THANK YOU FOR USING BRAND-X WIRELINE

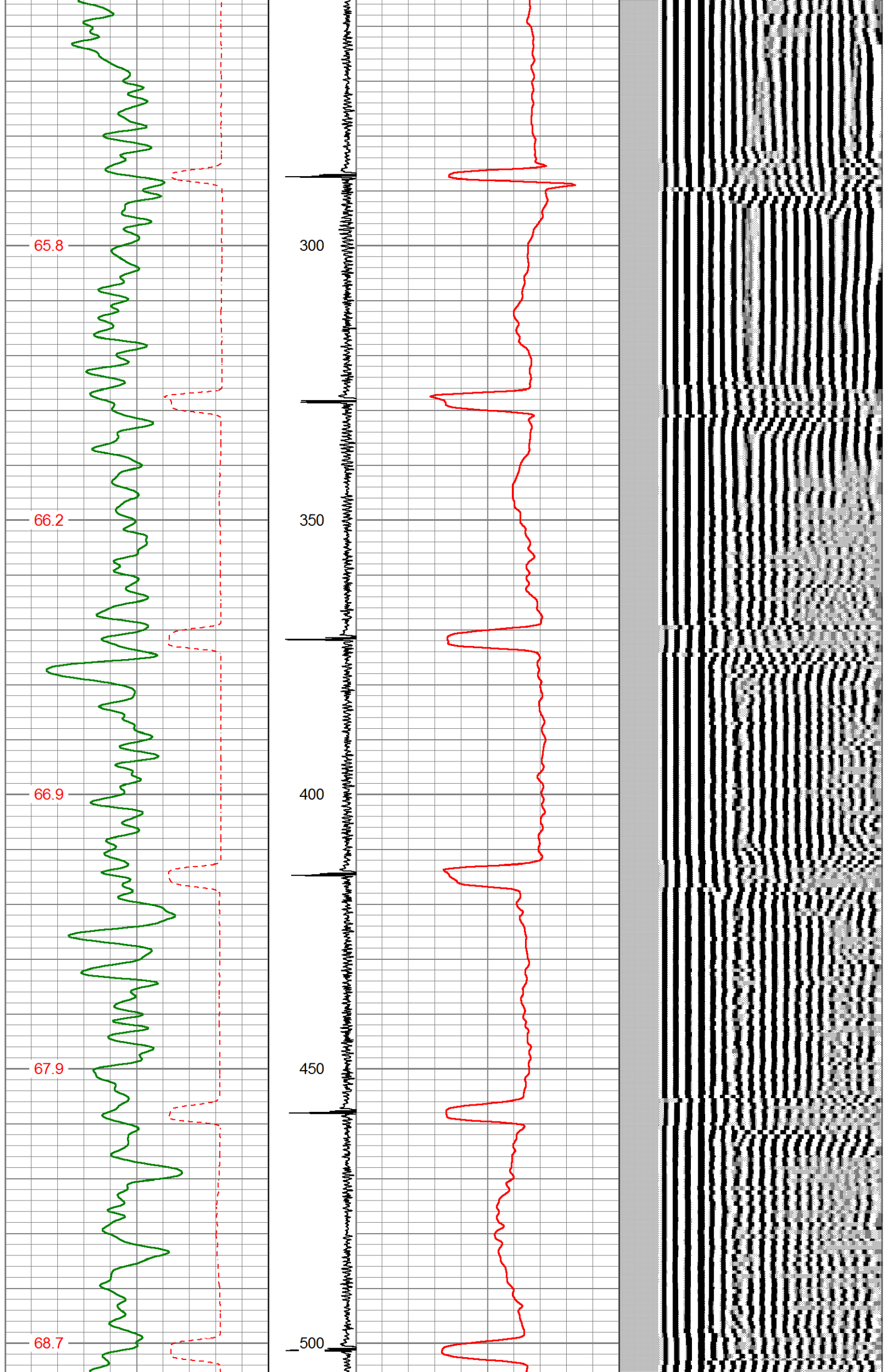
LOG CORRELATED TO CBL DATED 06-SEPT-2006

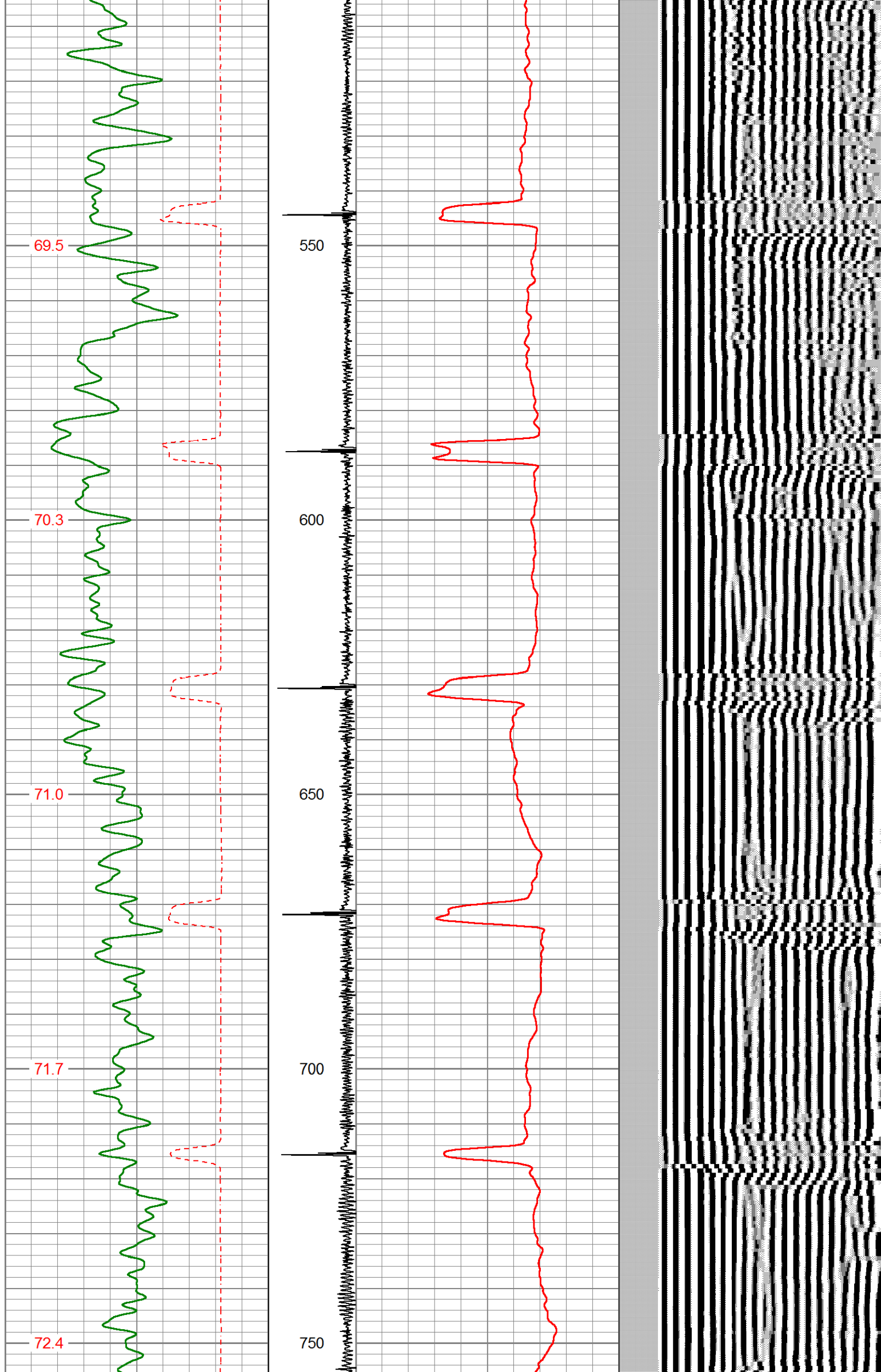
Database File joan 31-17.db			
Dataset Pathname CBL1			
Presentation Format greatwesterncbl_drs			
Dataset Creation Mon Jun 14 17:08:38 2021			
Charted by Depth in Feet scaled 1:240			
400	TRAVEL TIME (usec)	200	Collar Locato
0	Gamma Ray	200	9 -1 0
0	Line Speed (ft/min)	100	
TEMP (degF)			



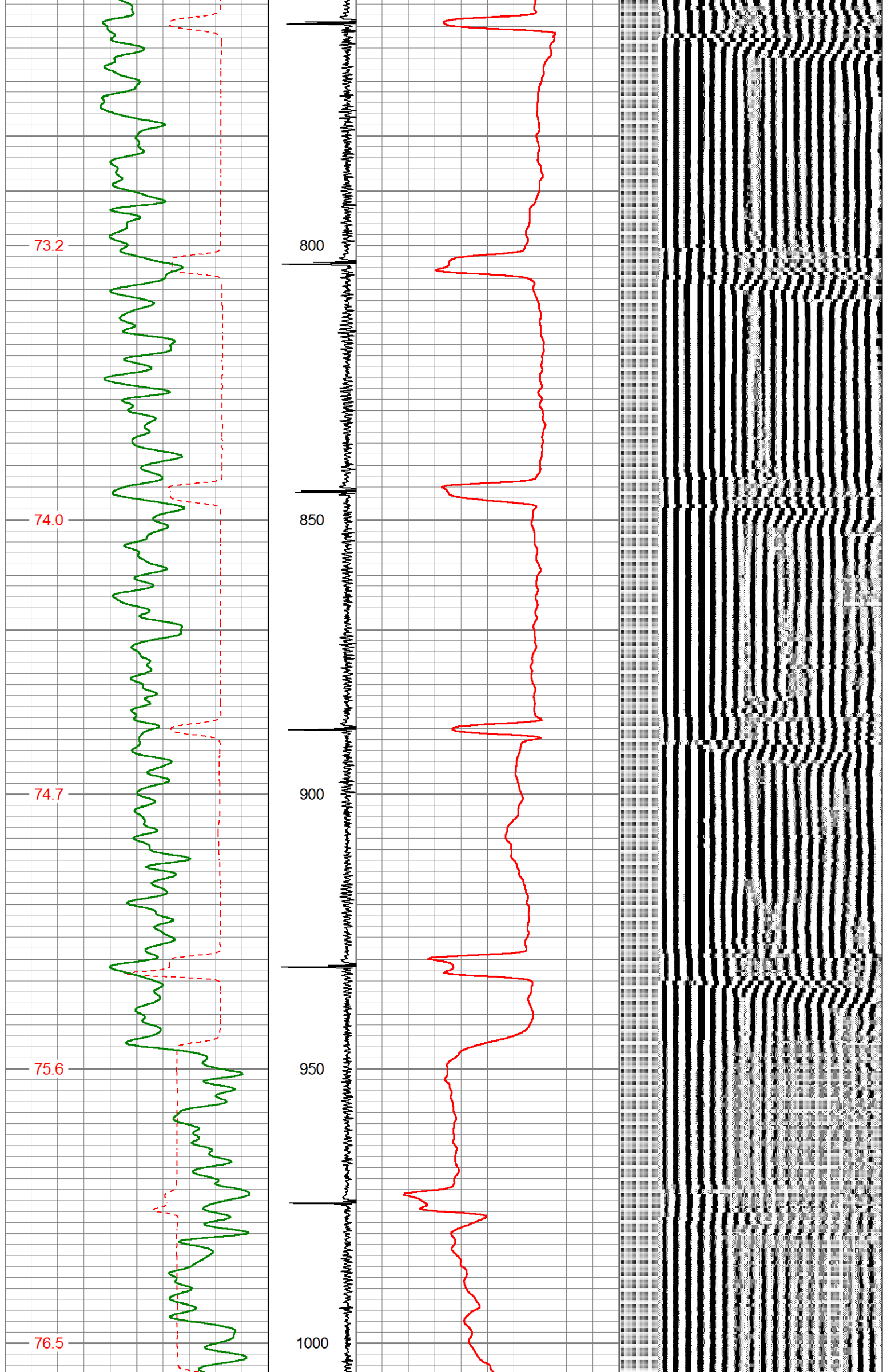


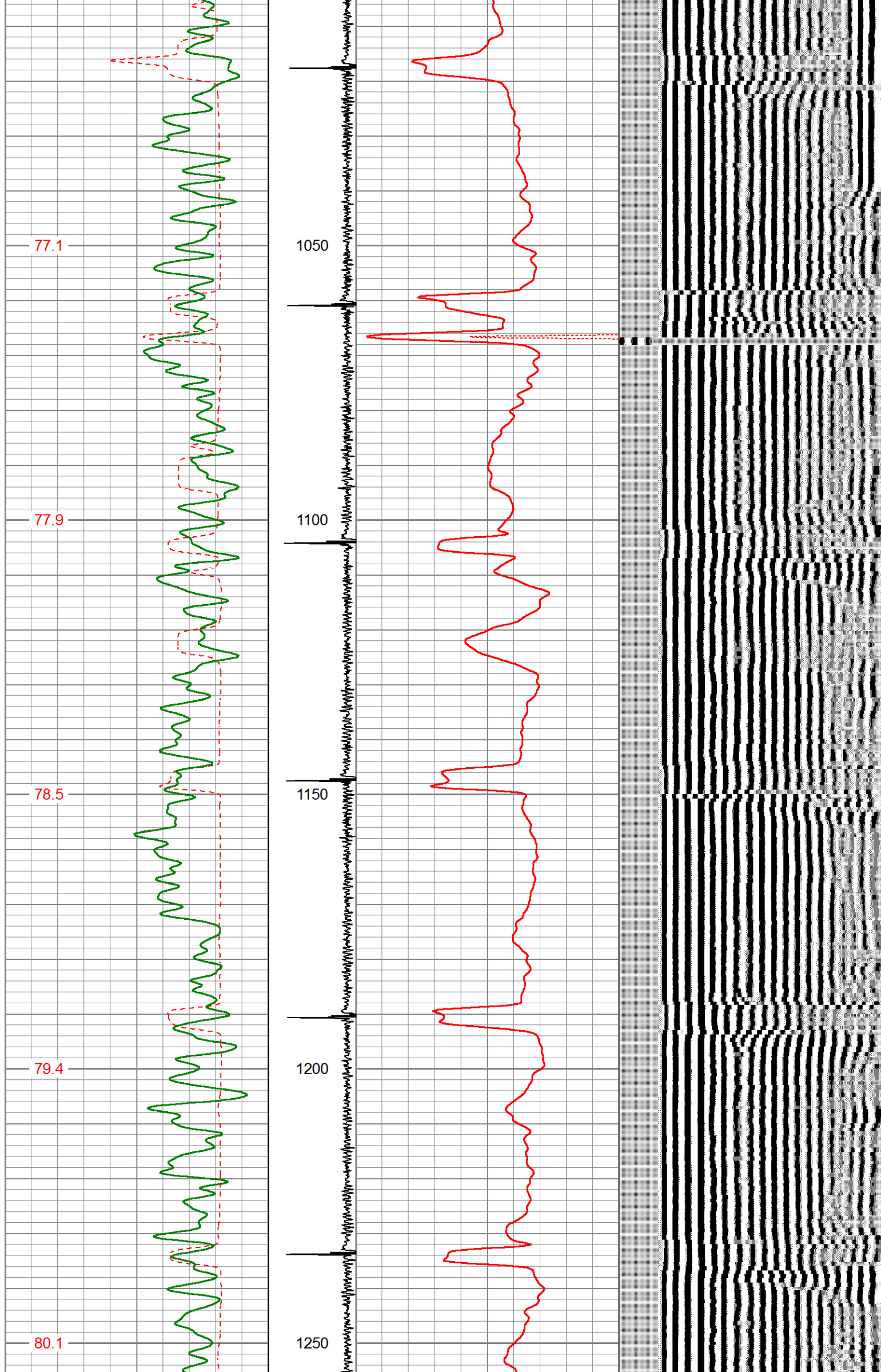




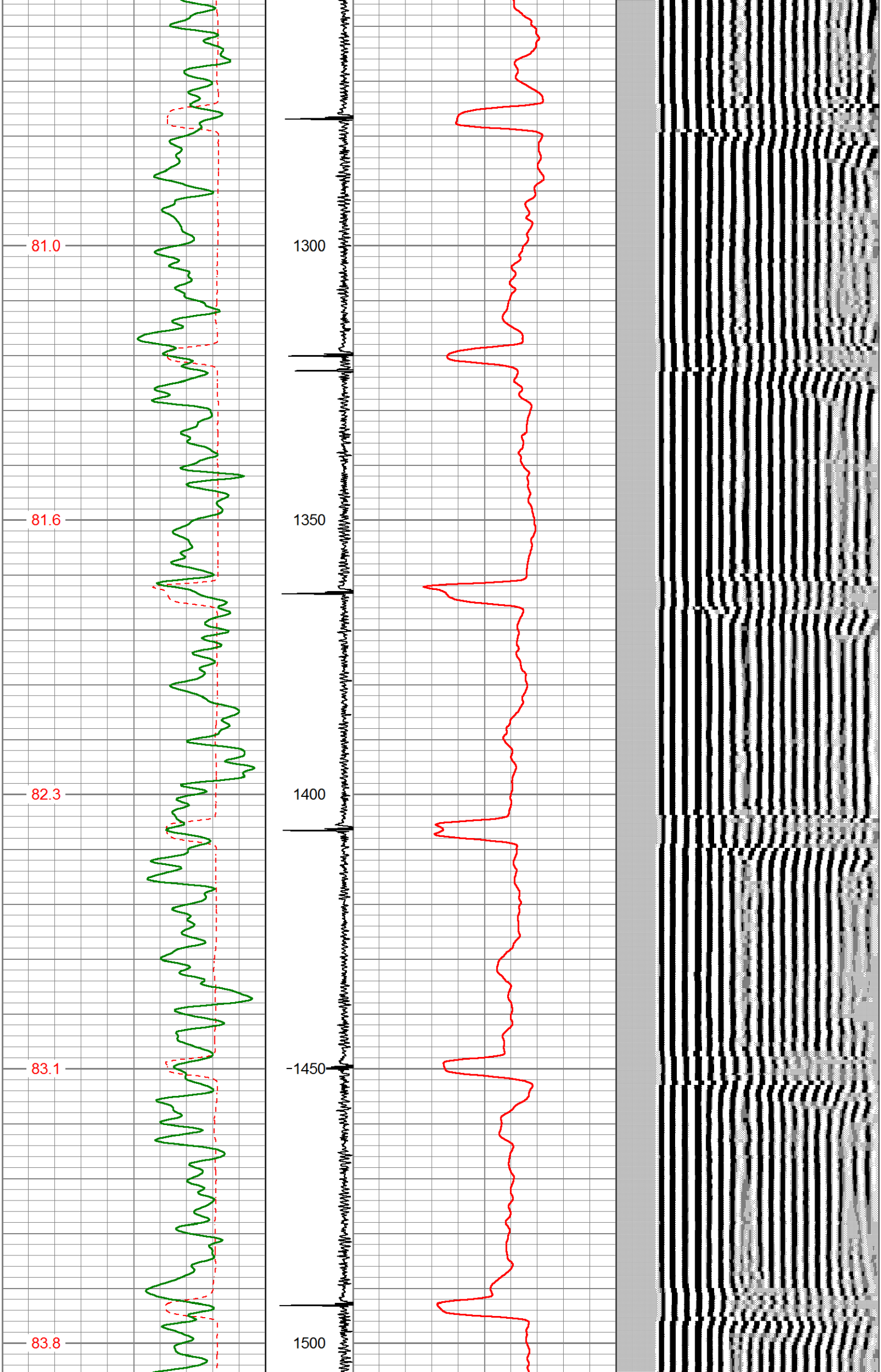


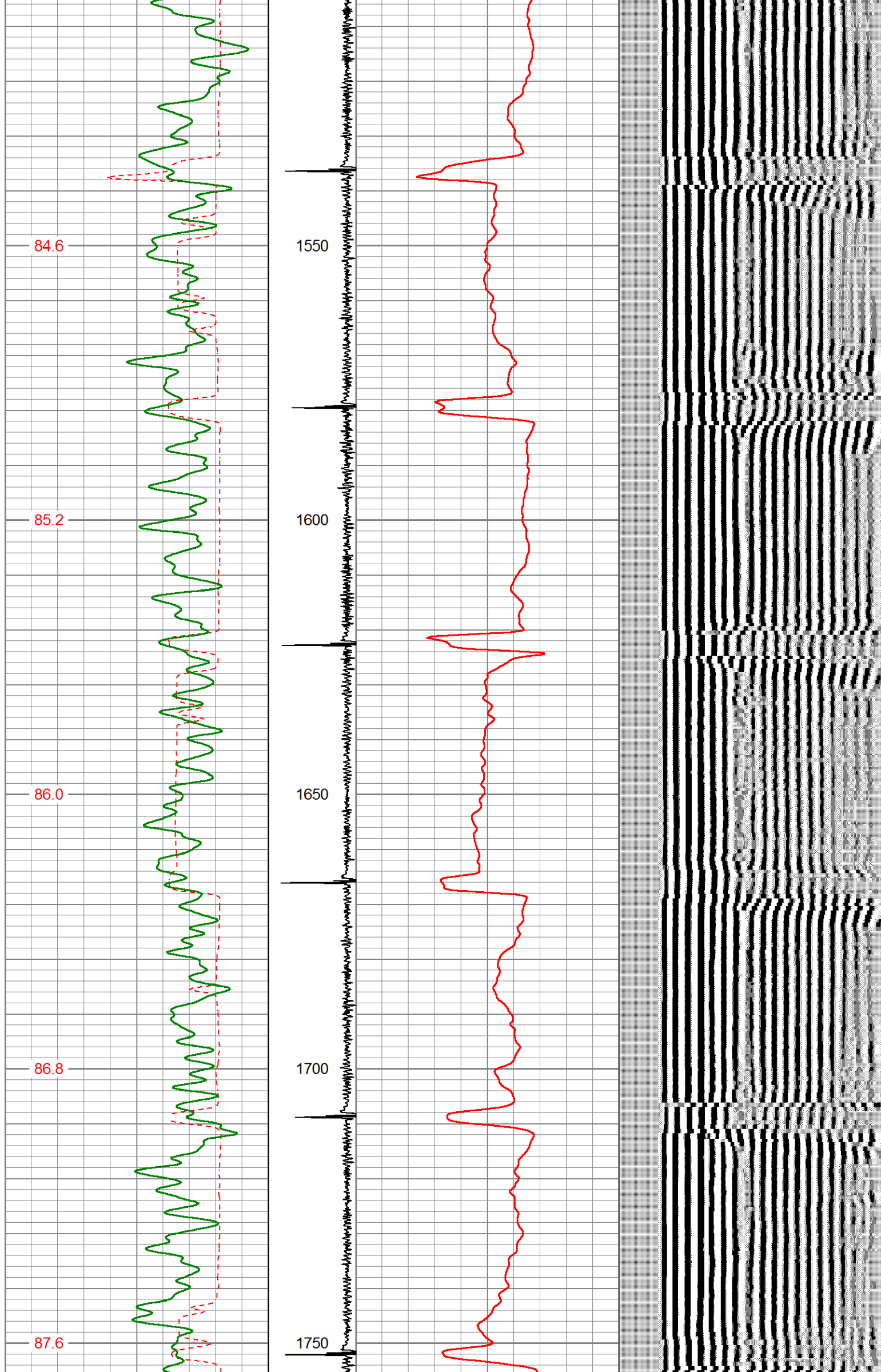




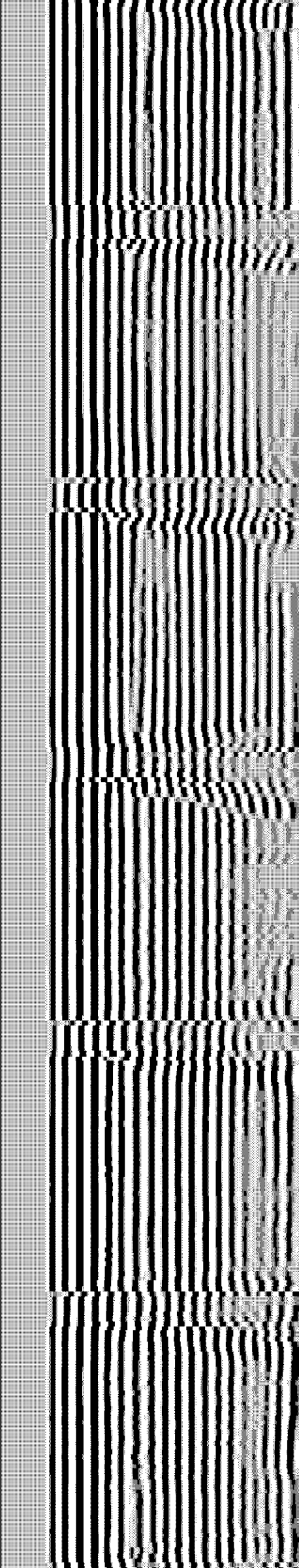
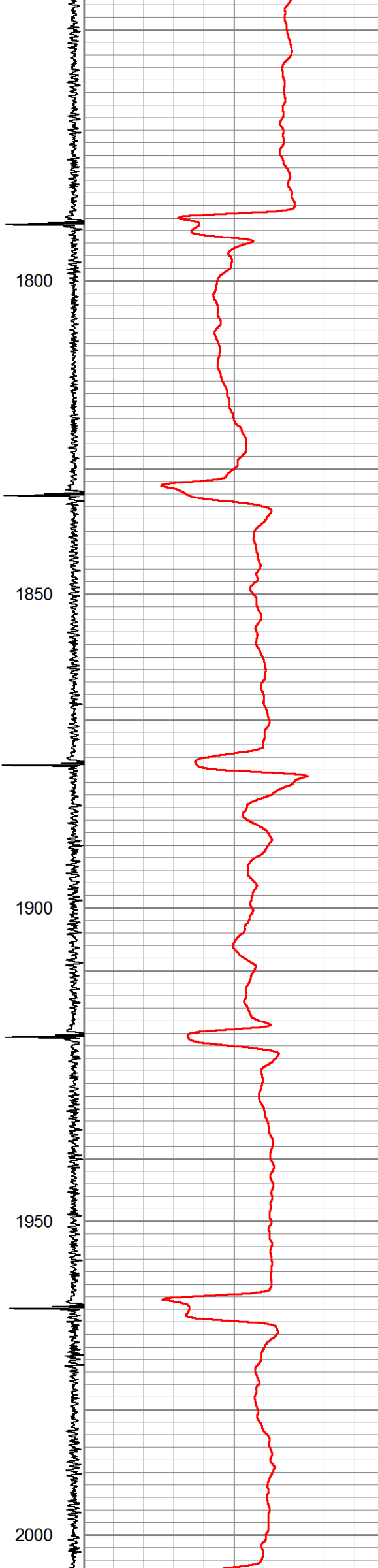
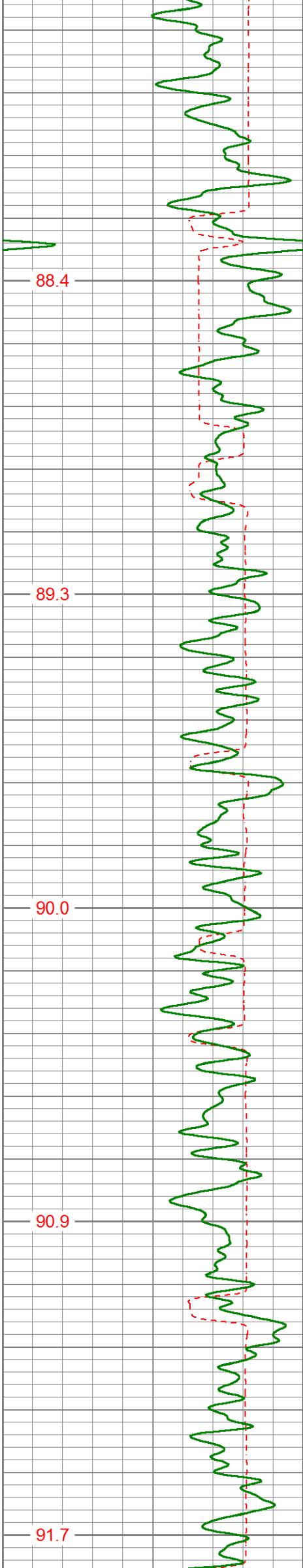


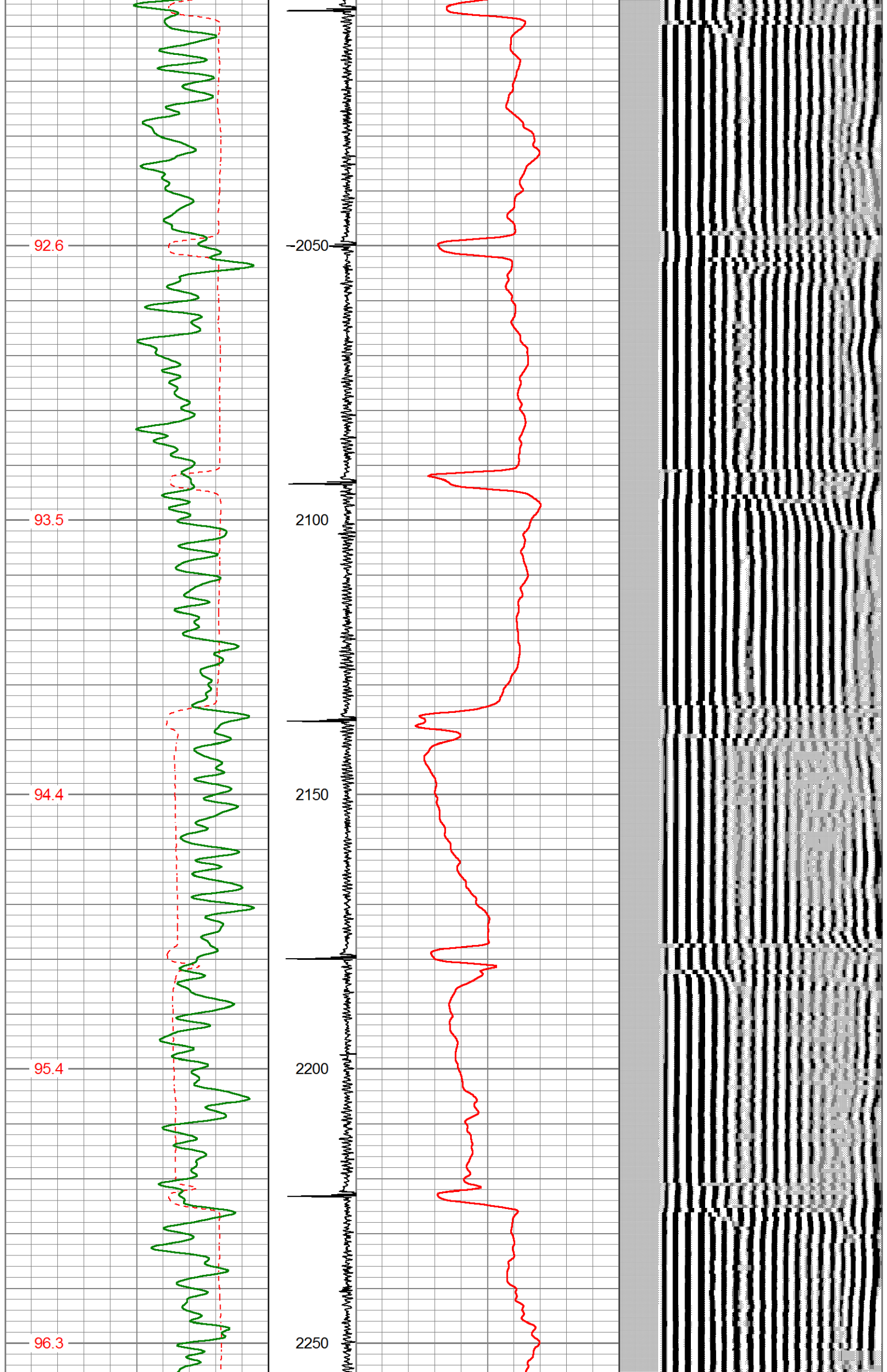




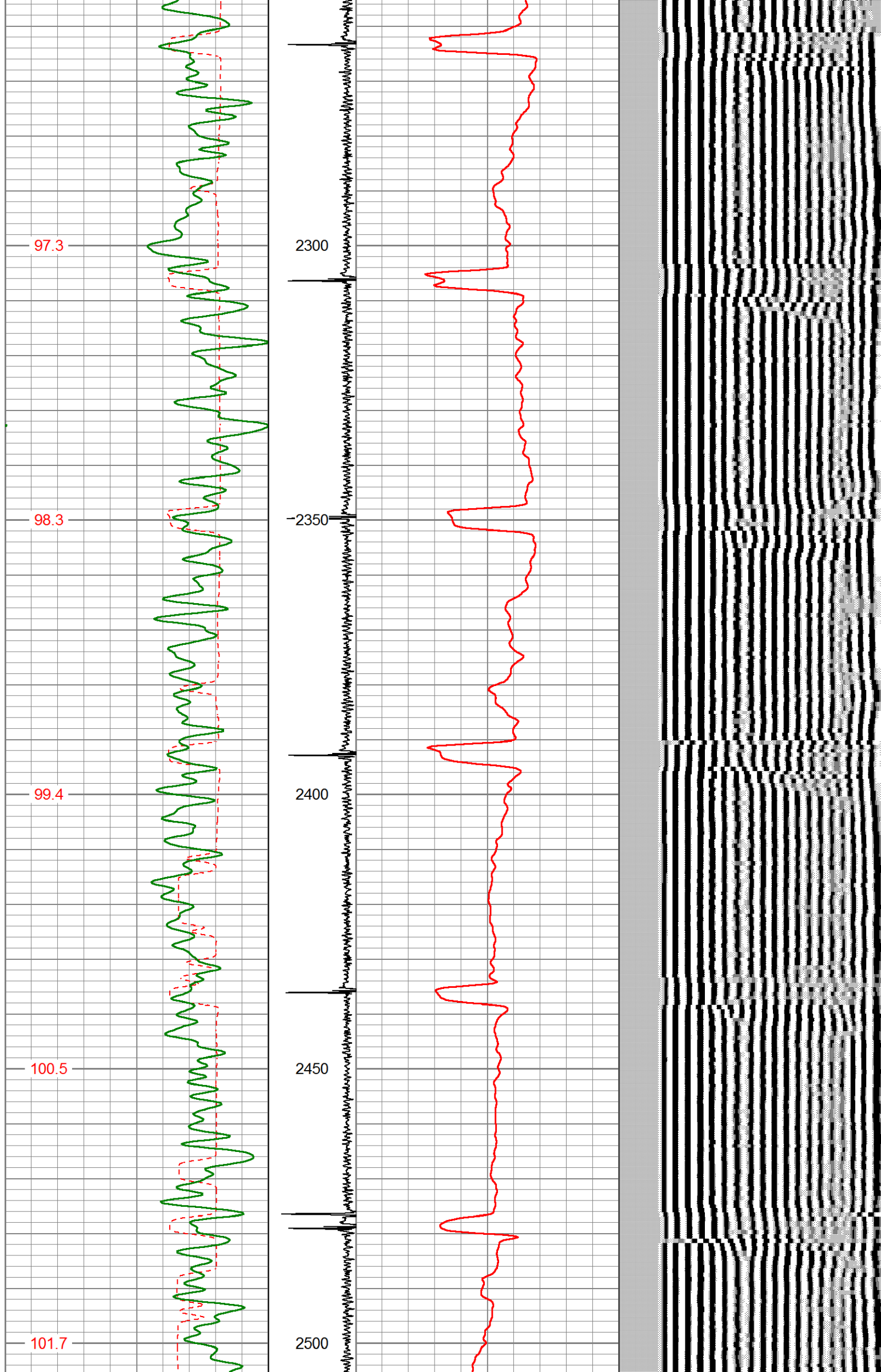


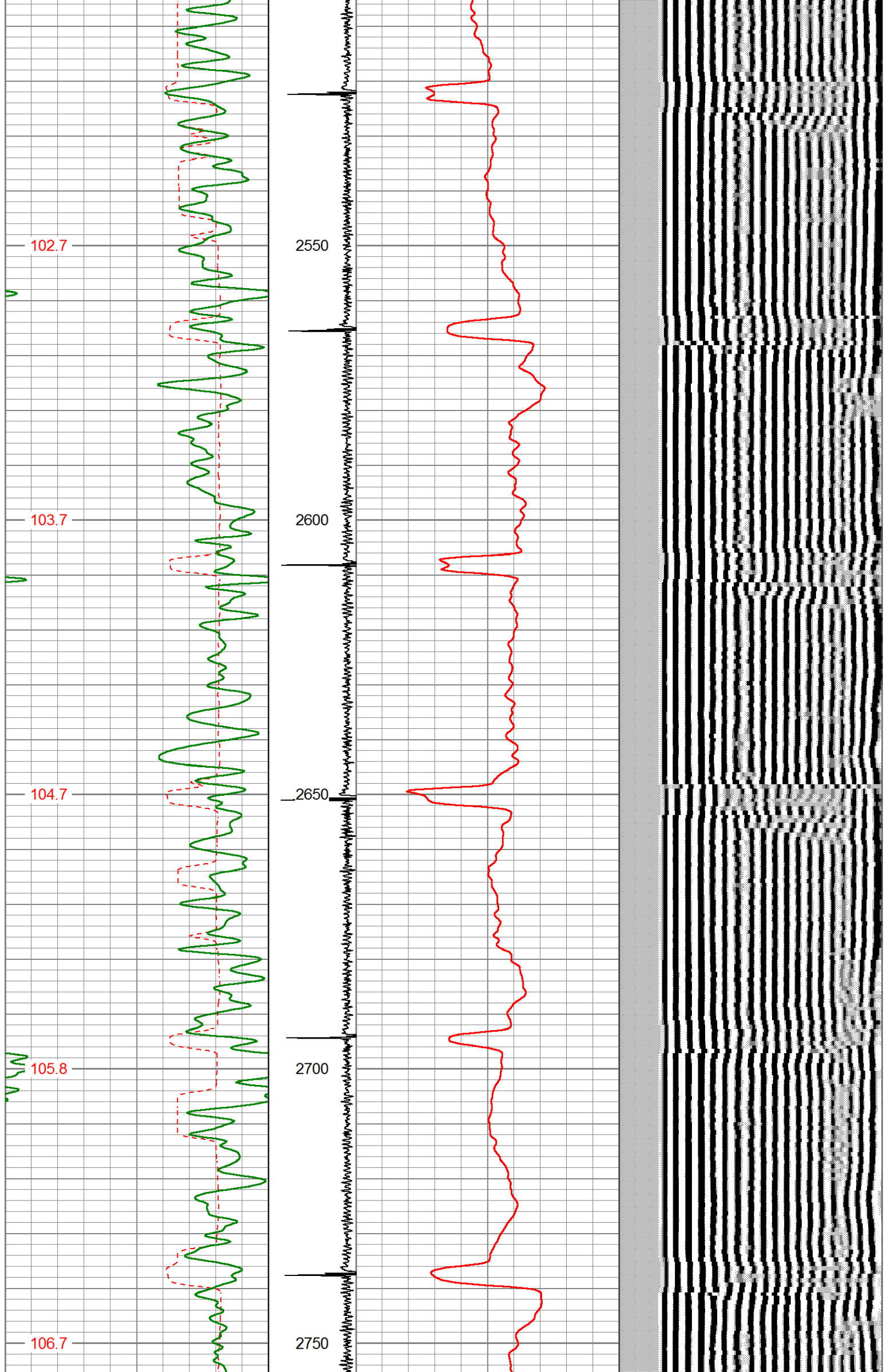




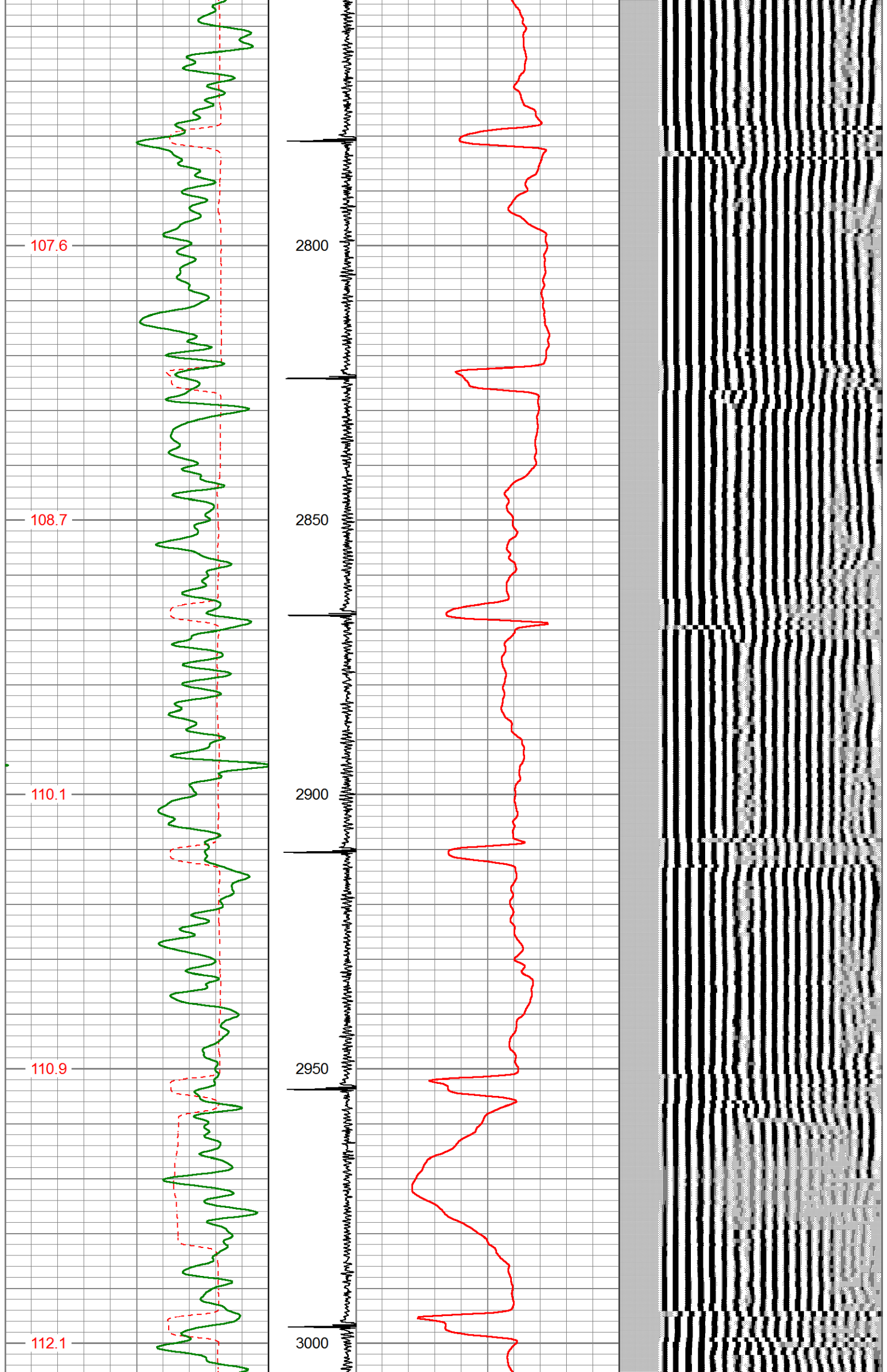


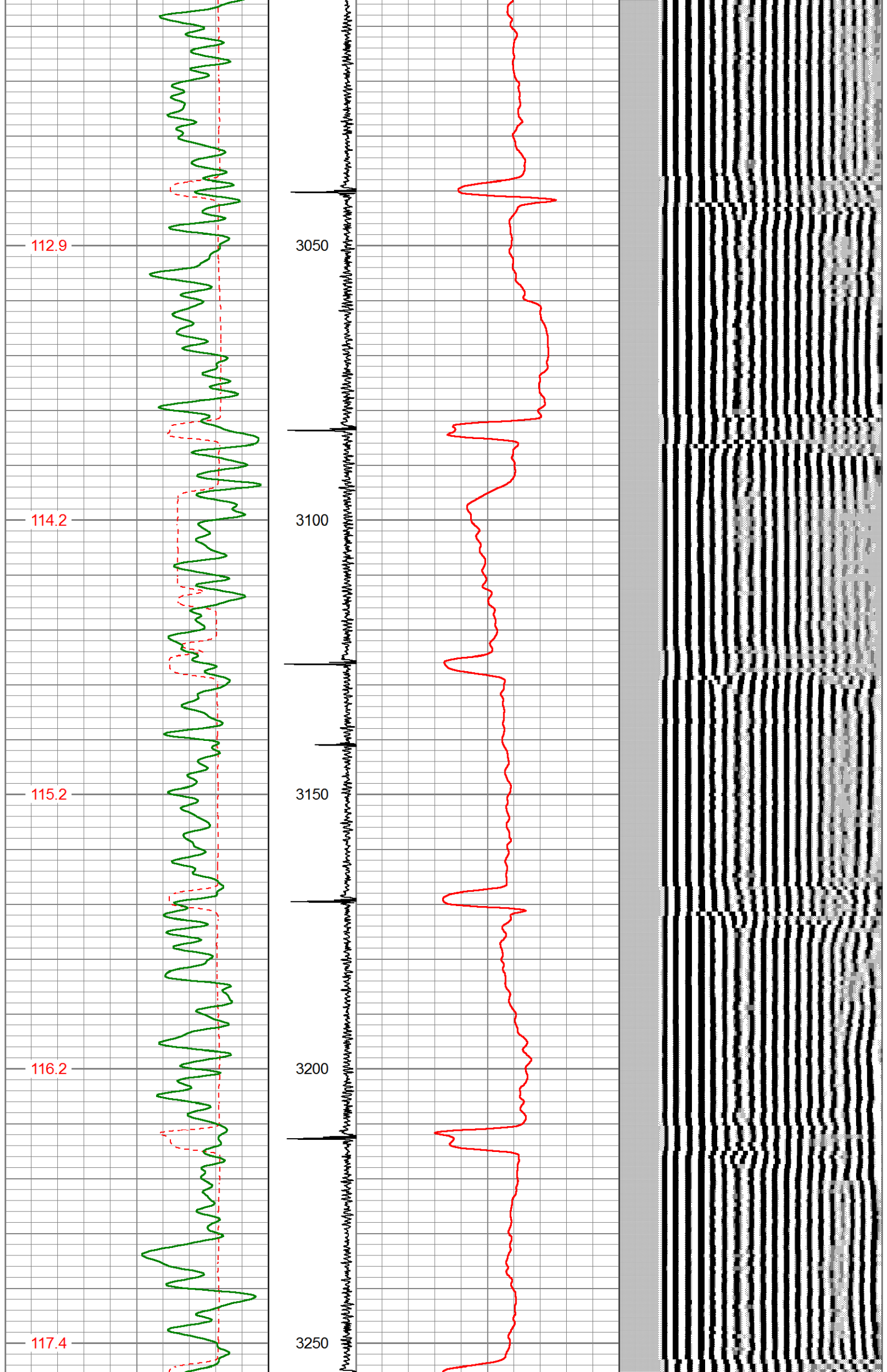




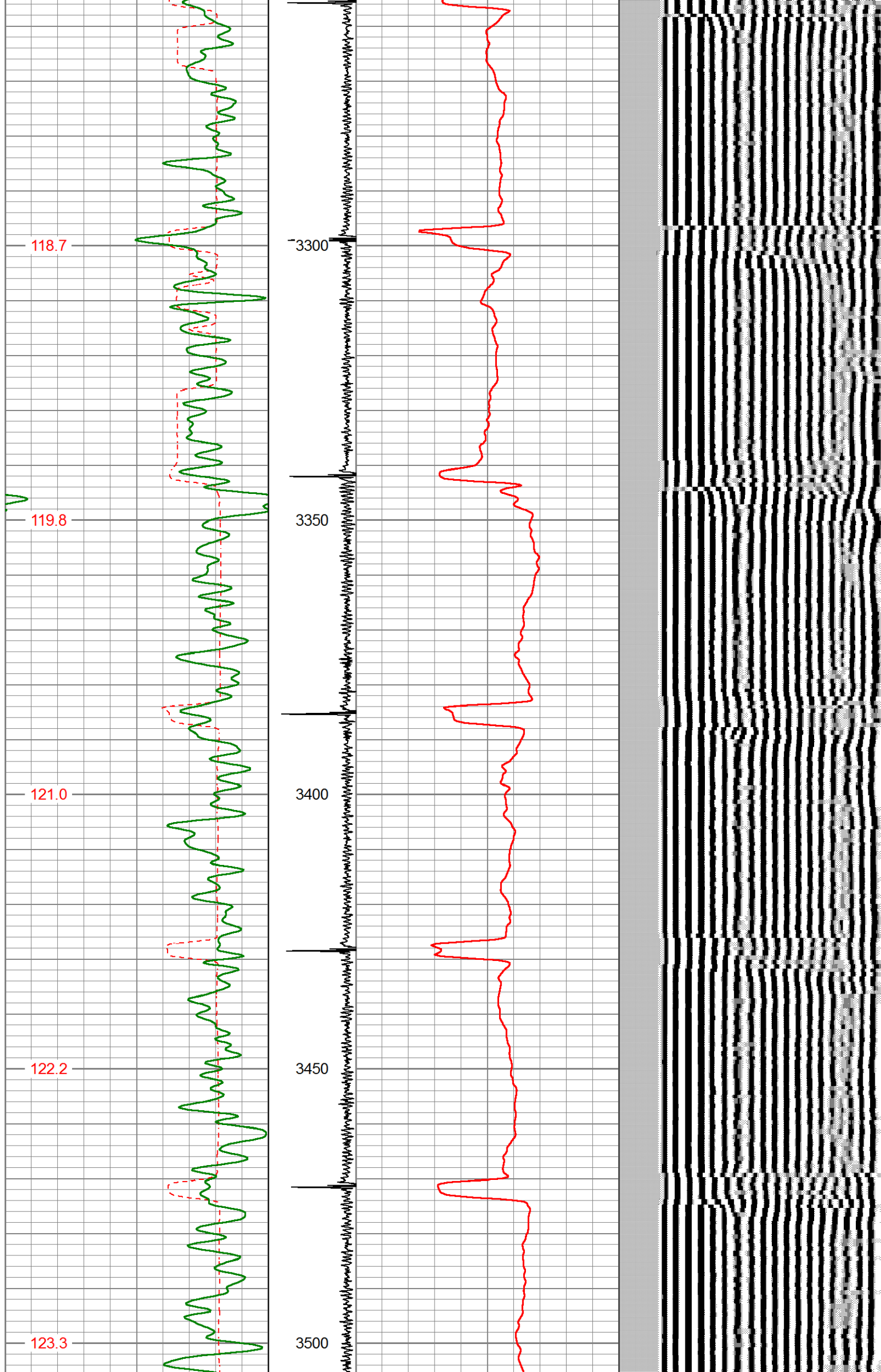


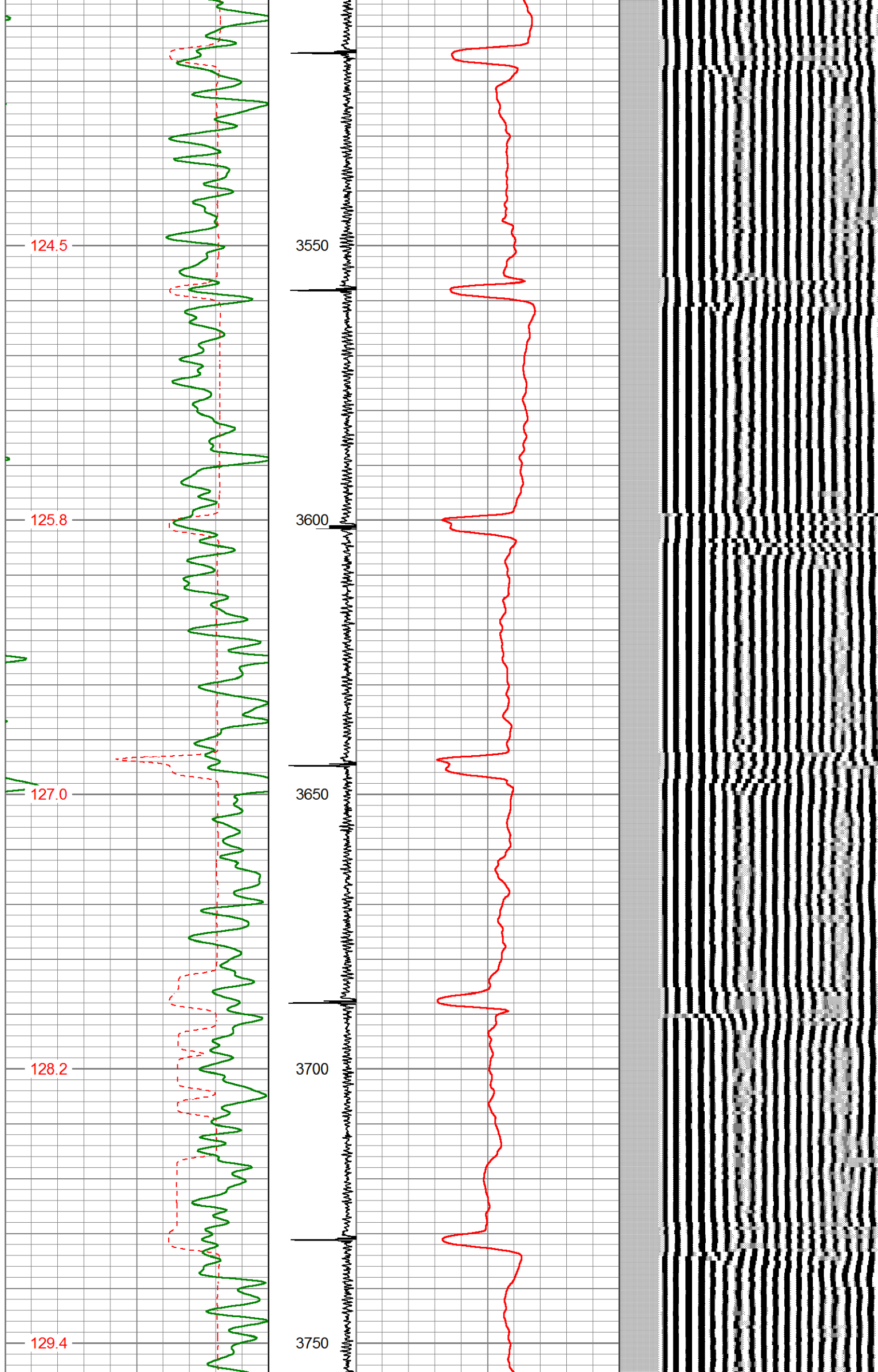




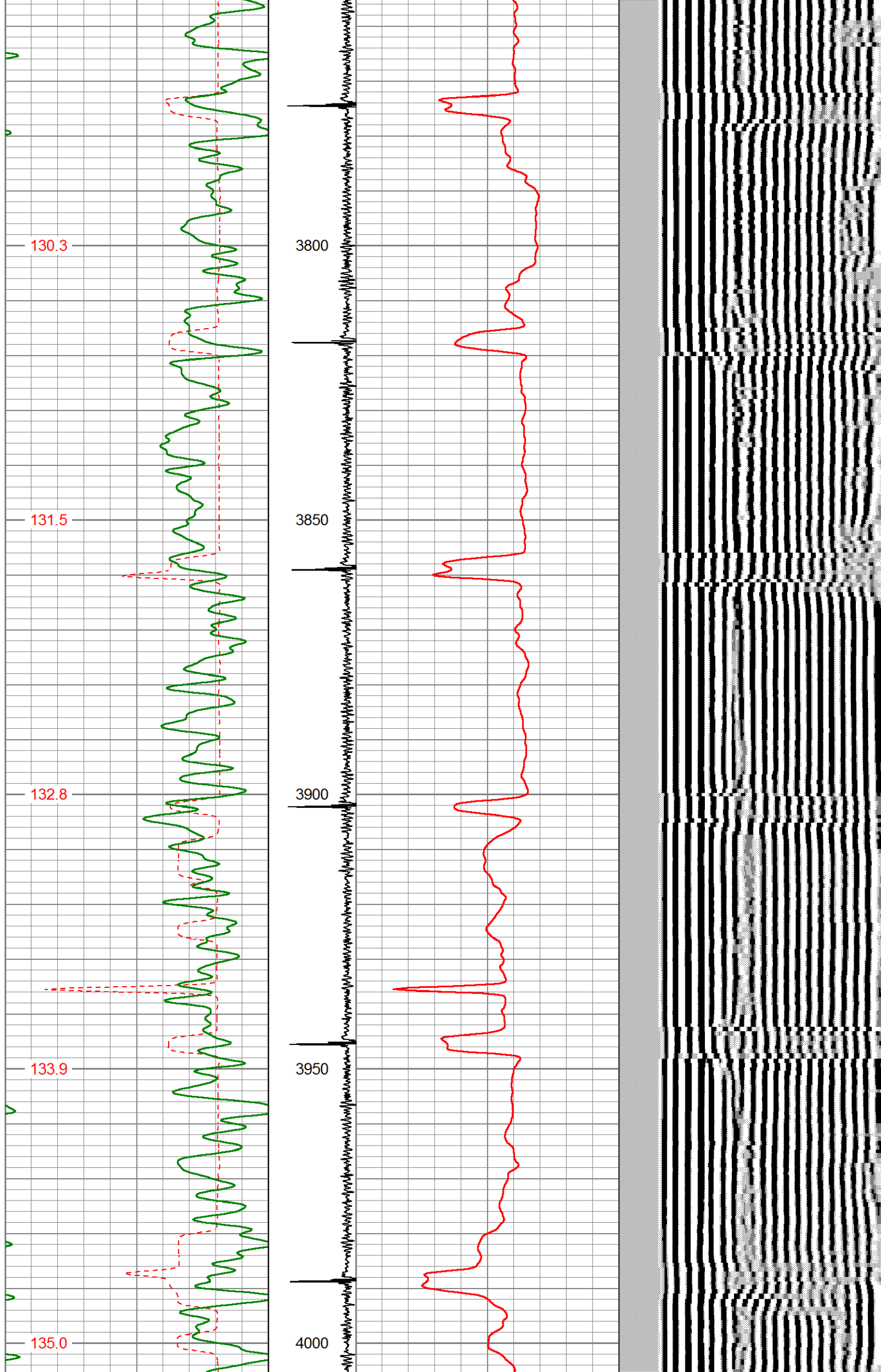


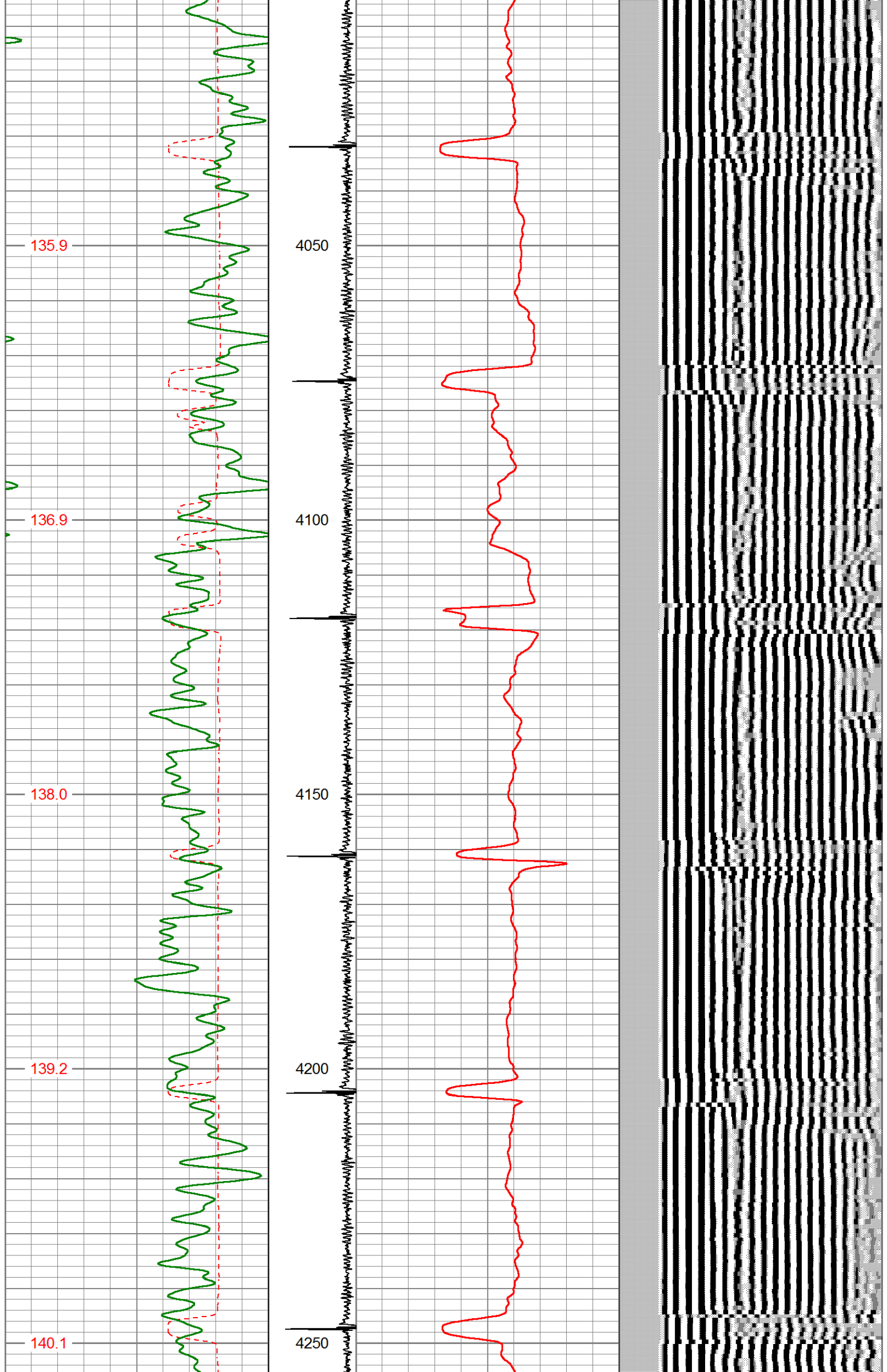




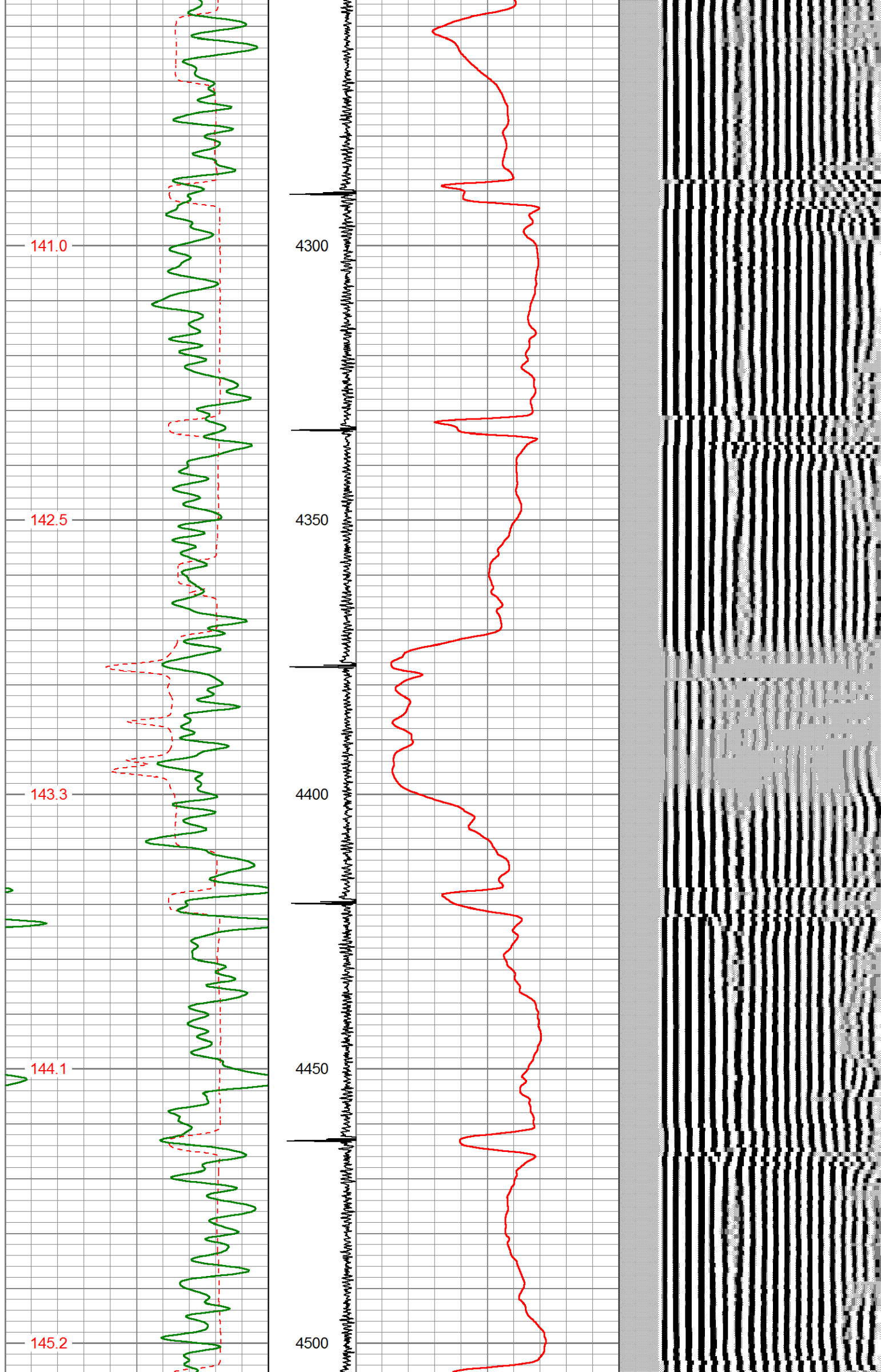


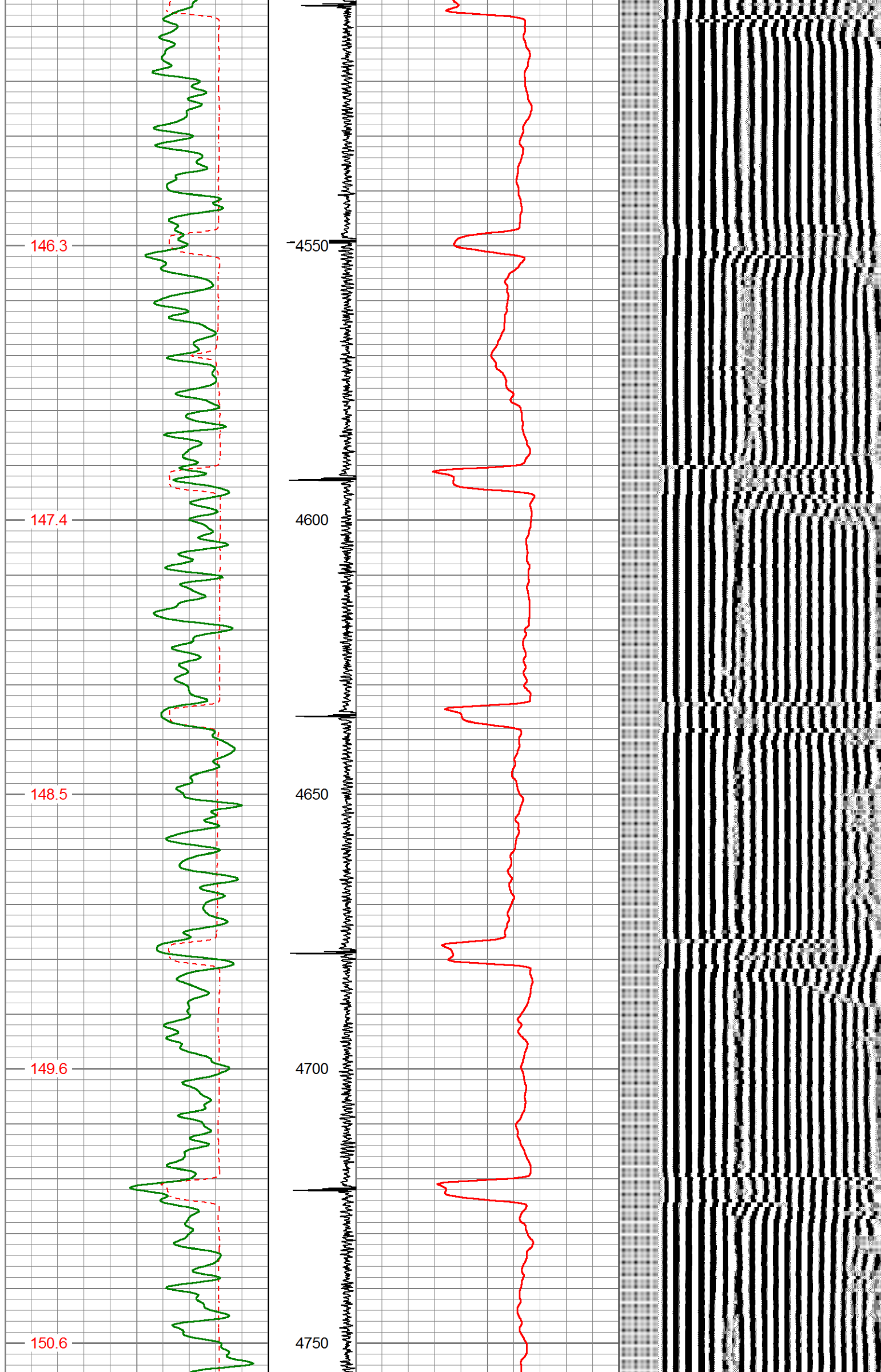




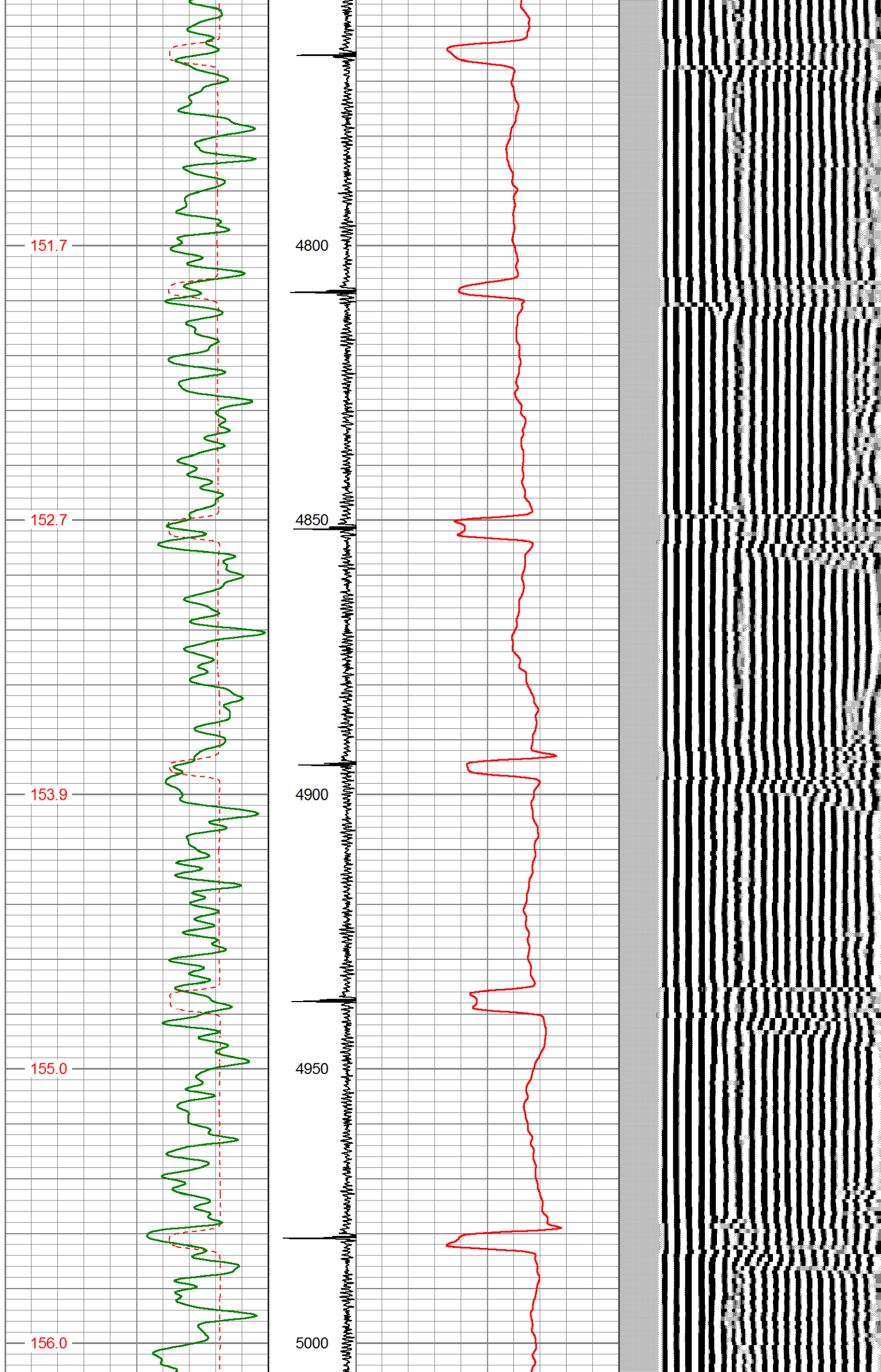


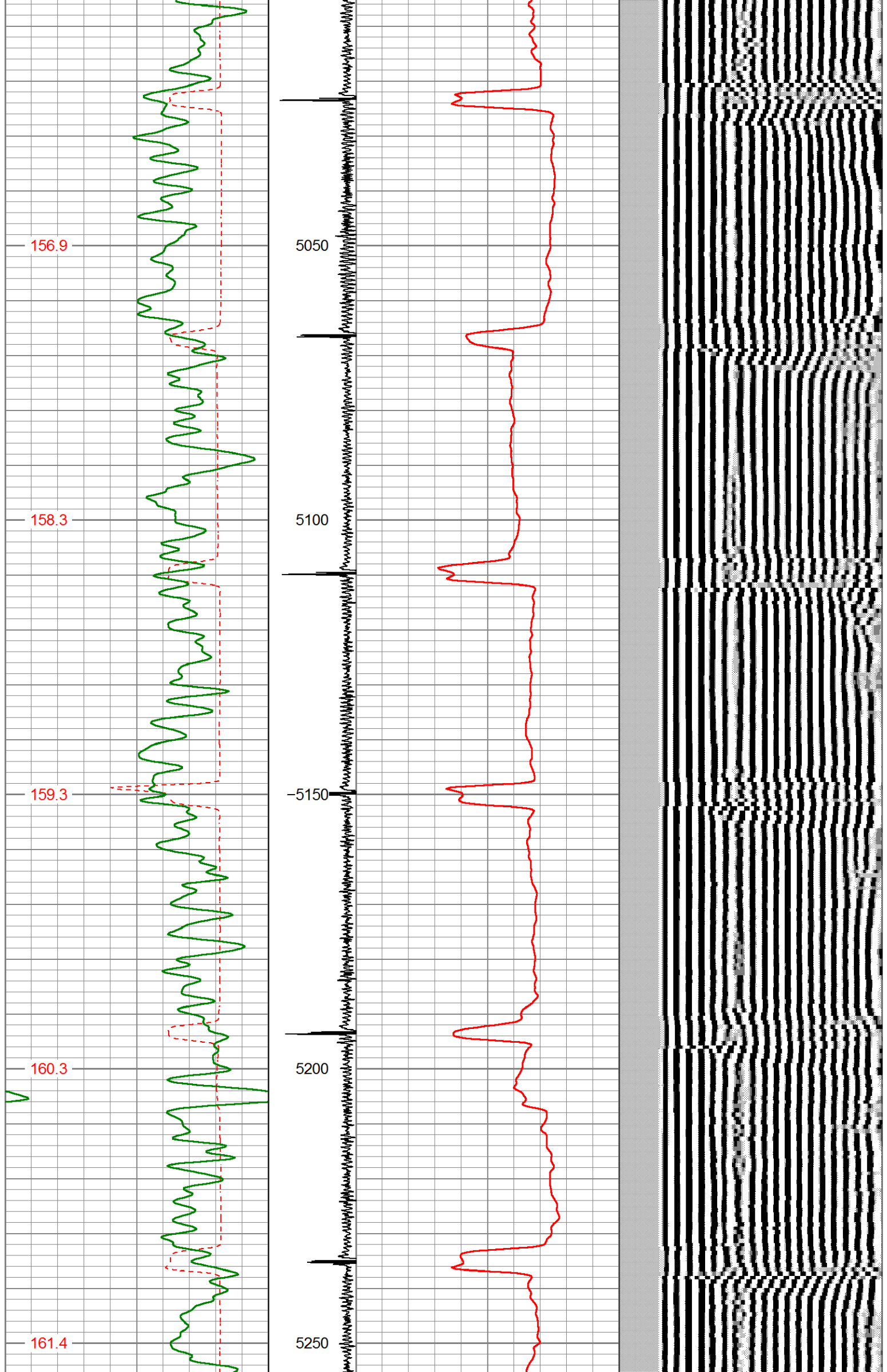




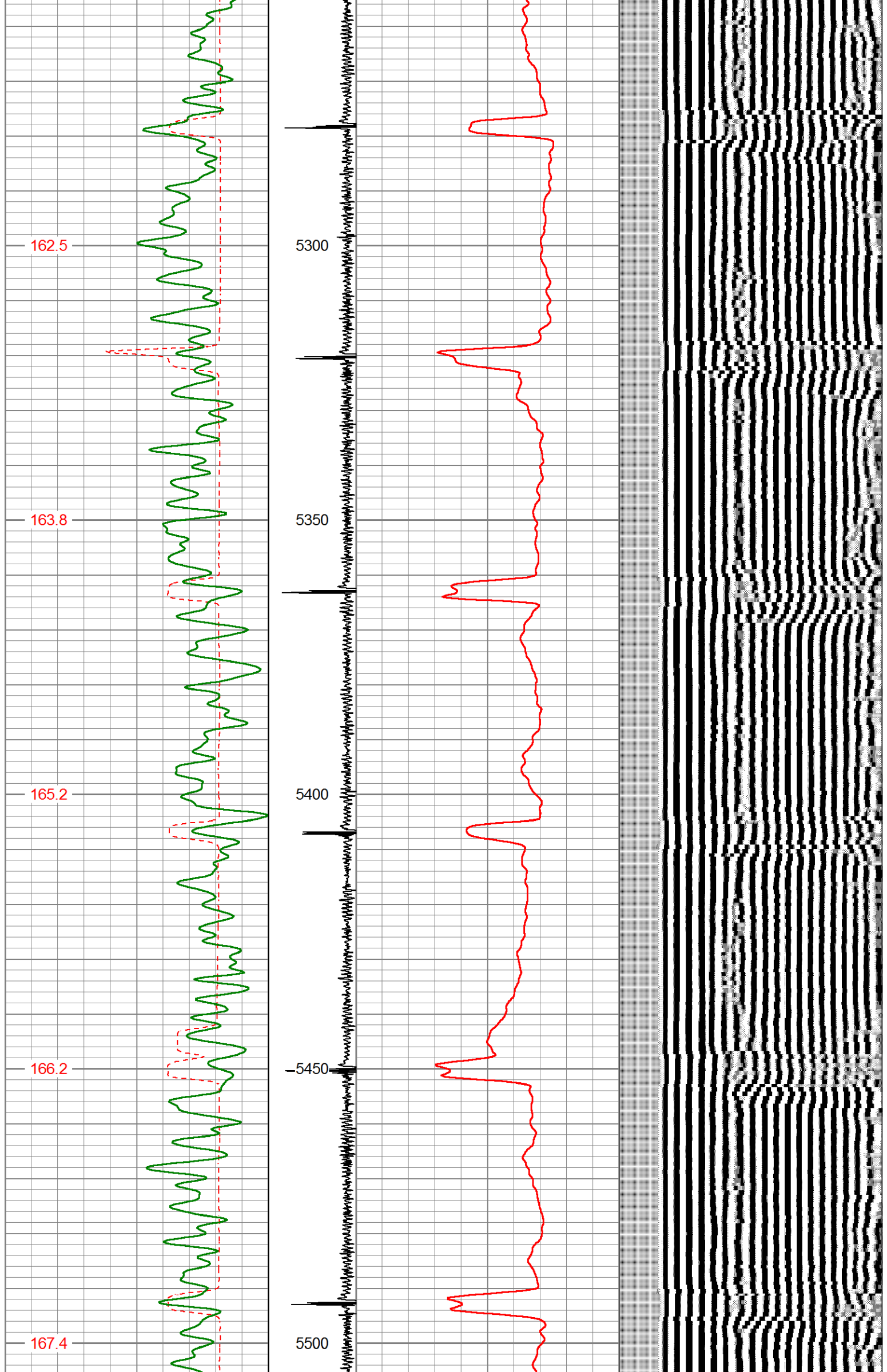


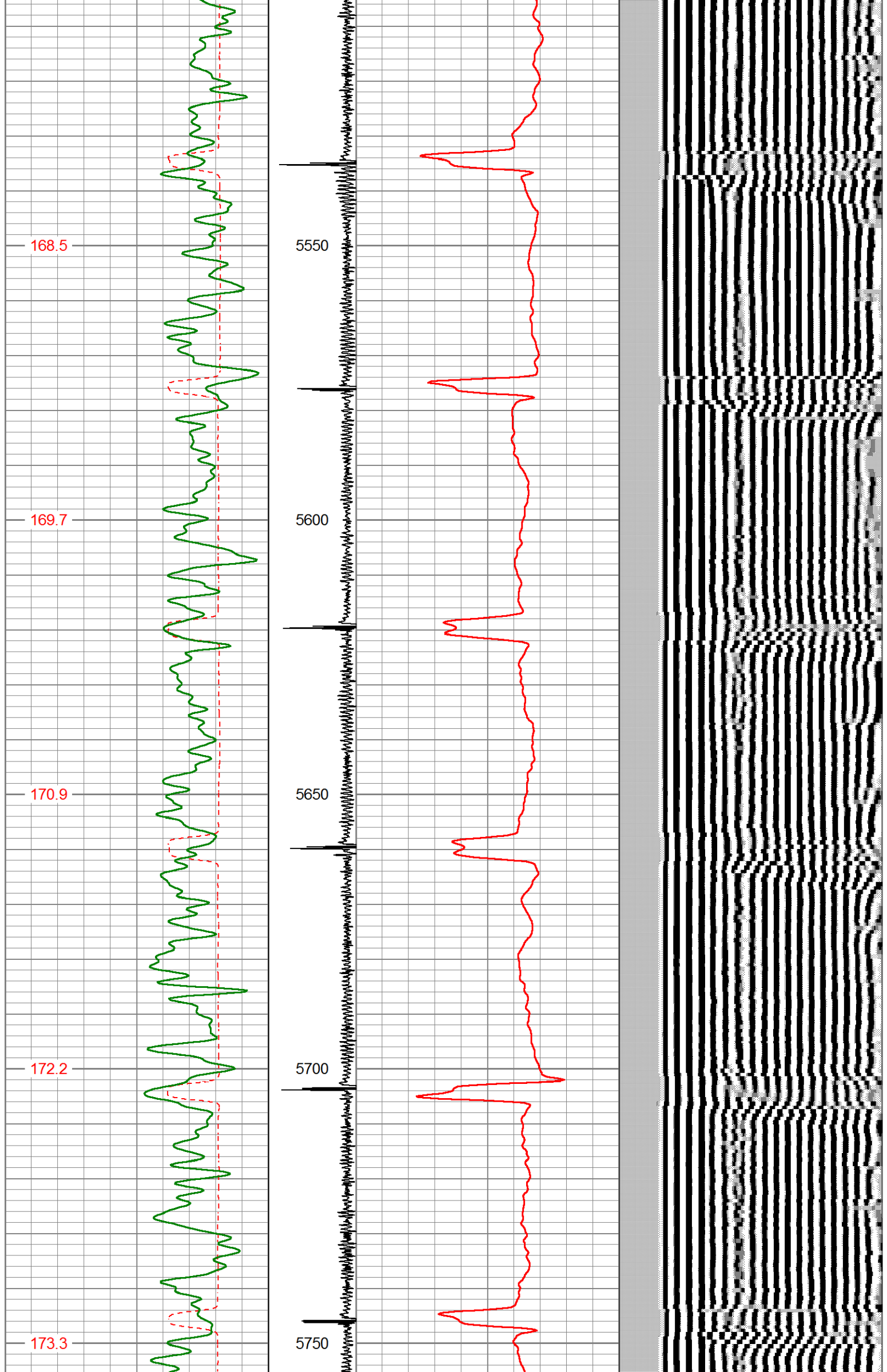




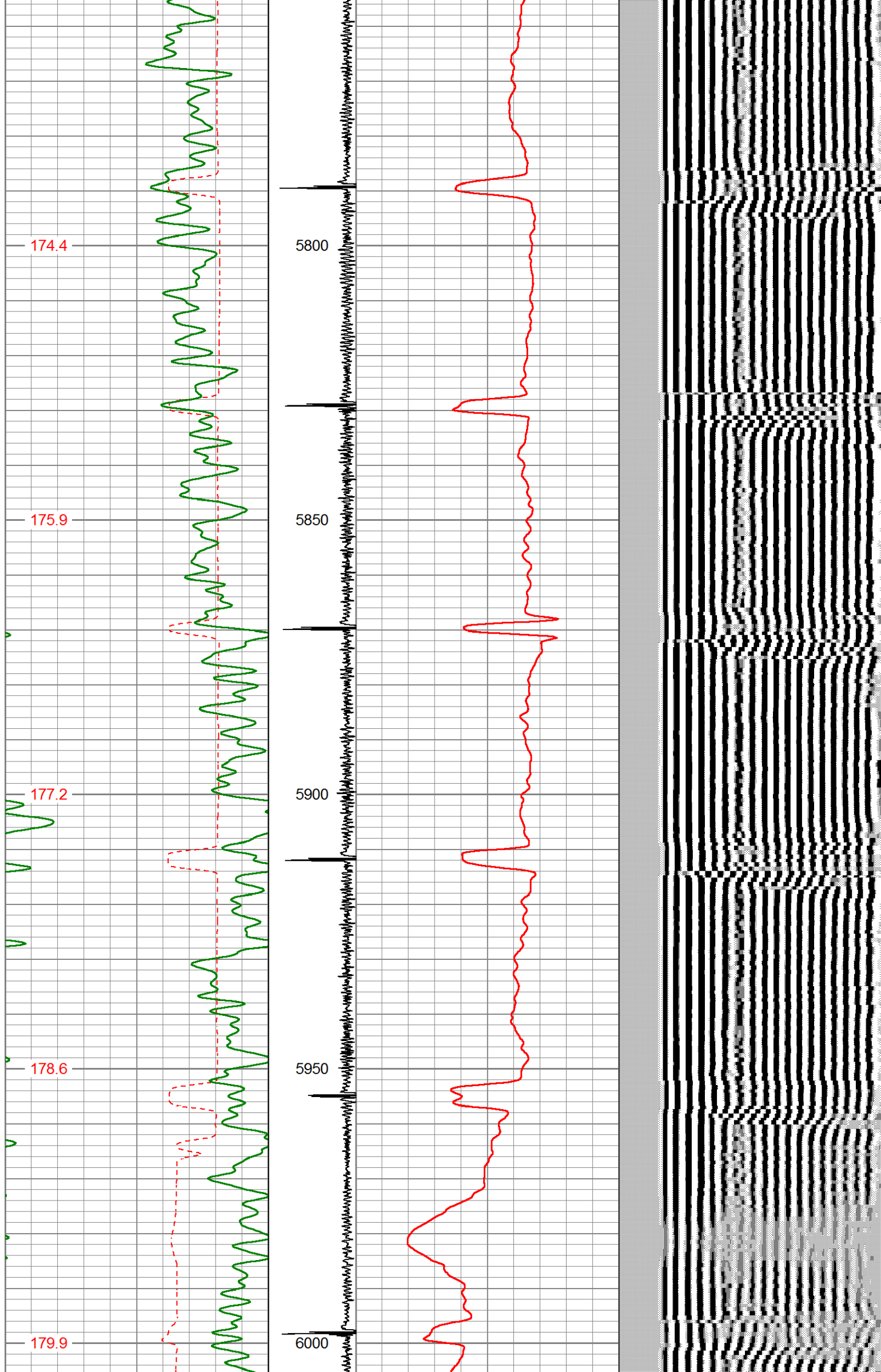


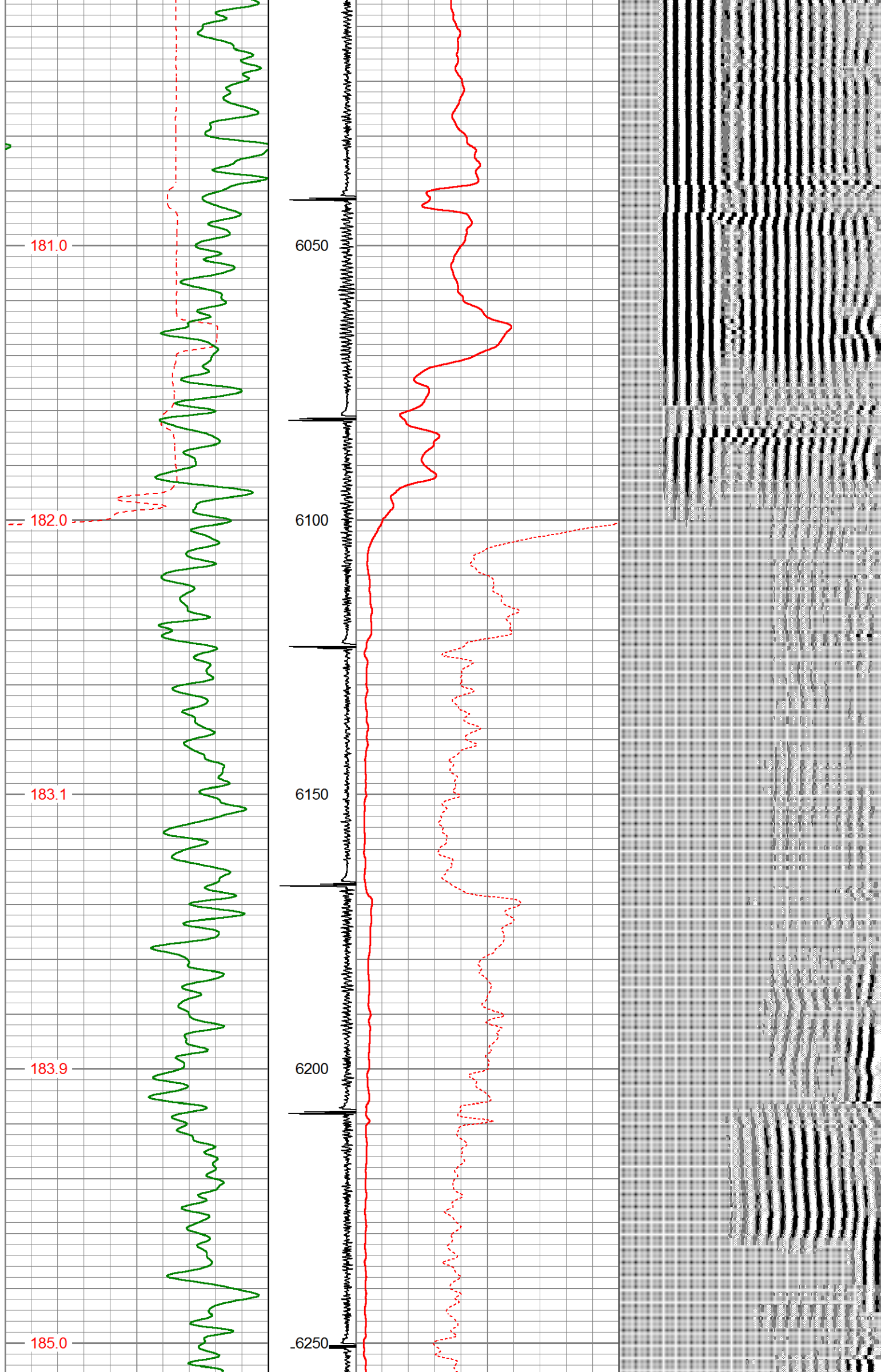




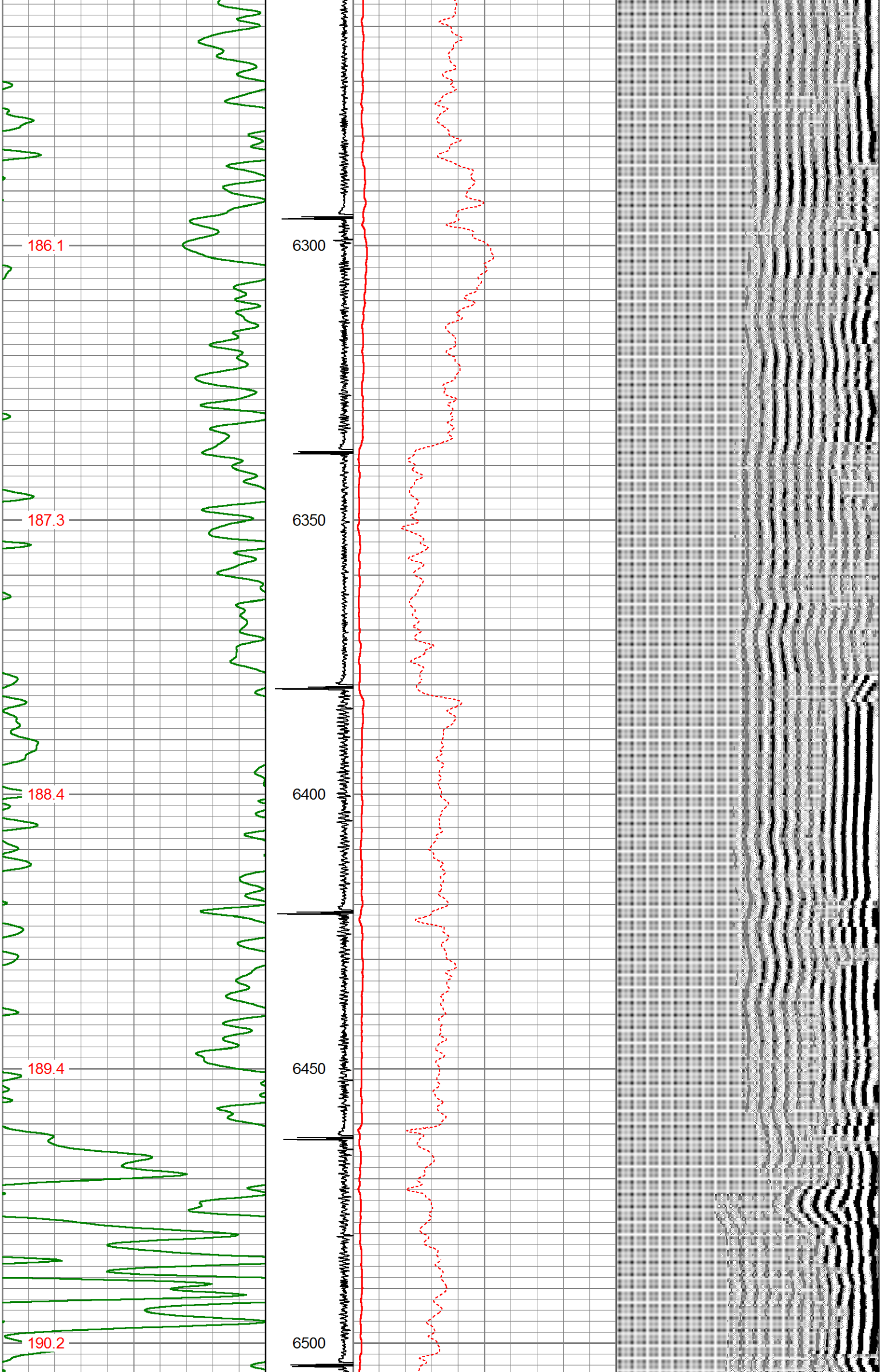


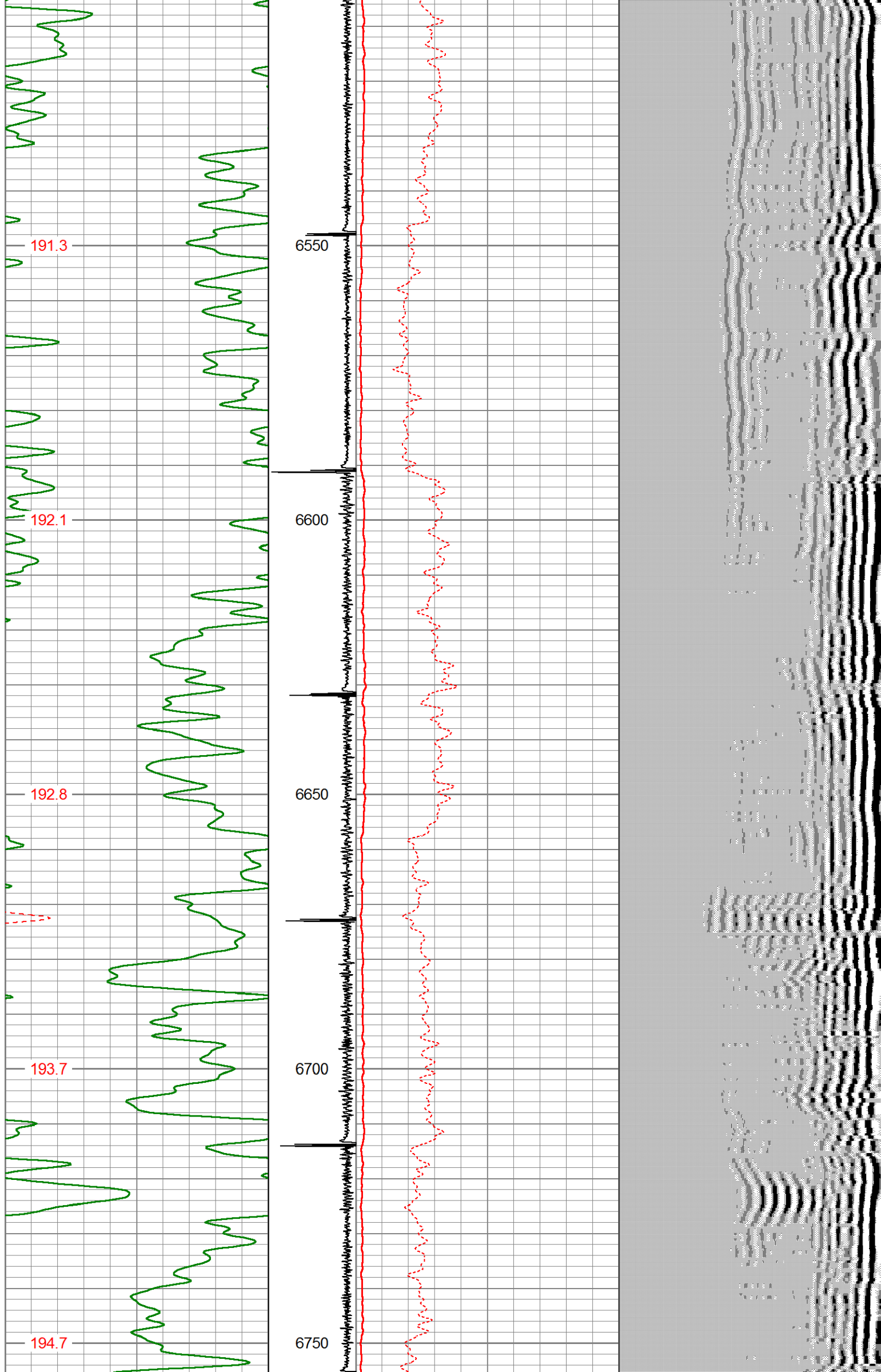




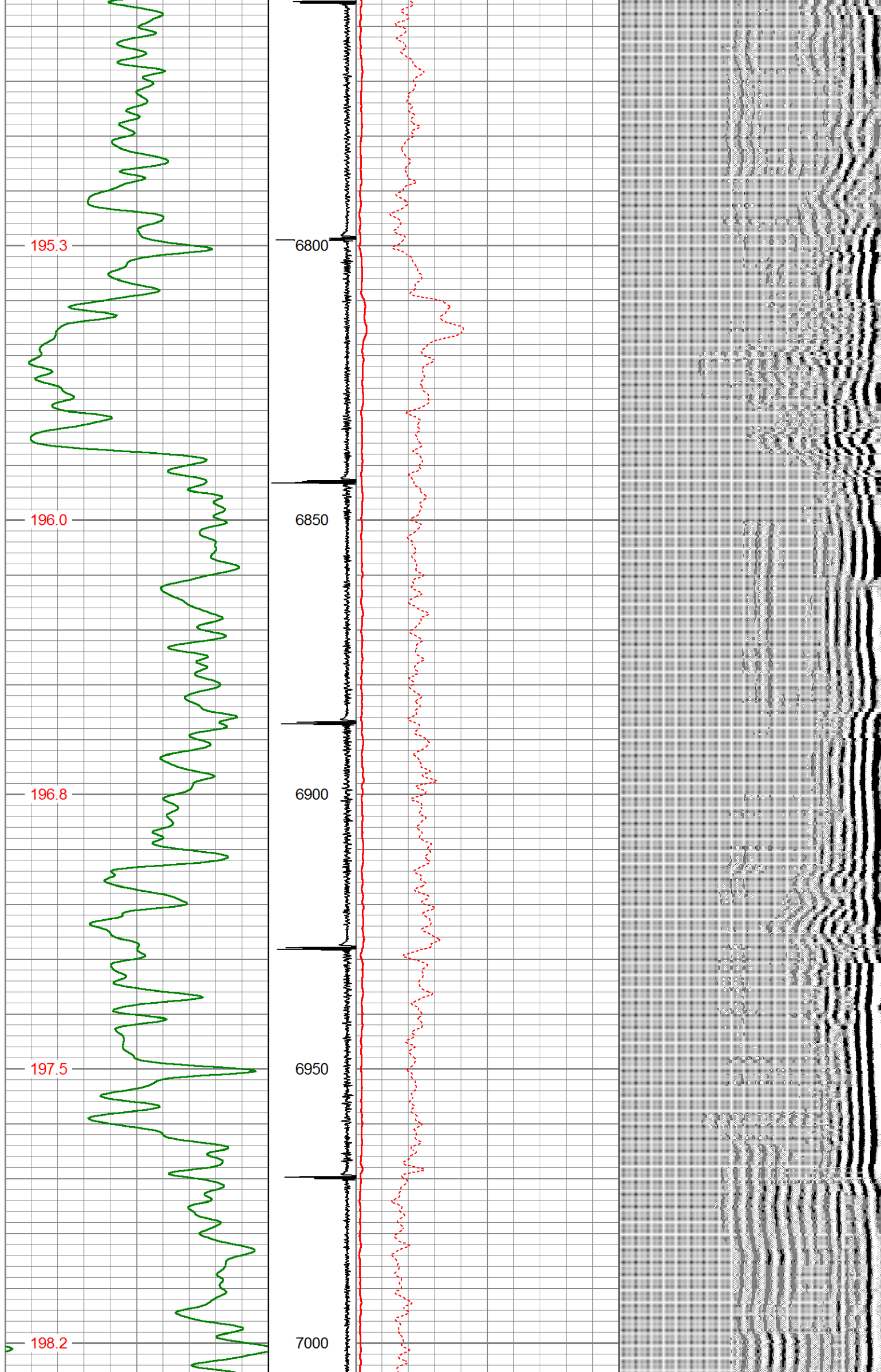


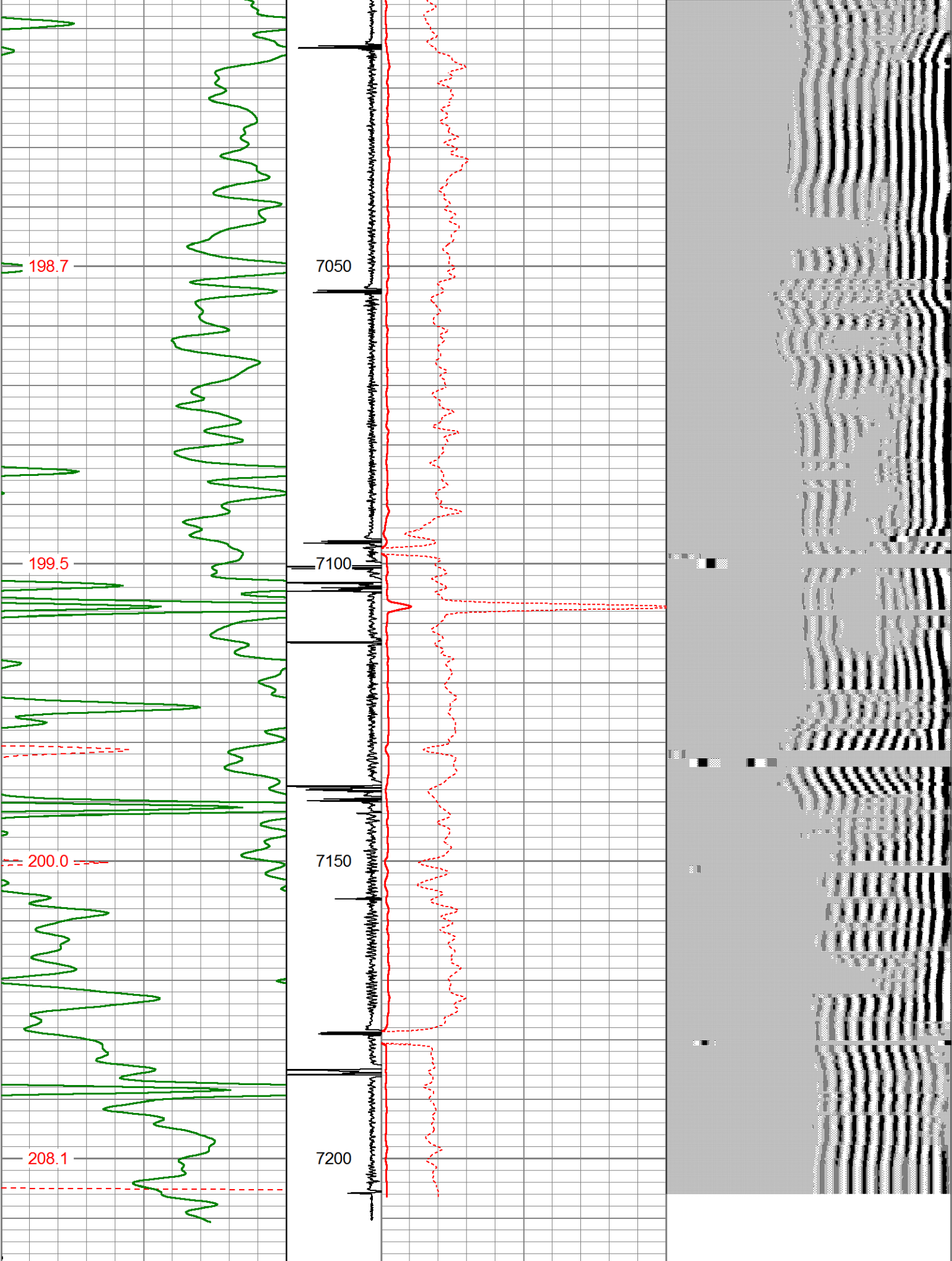












400	TRAVEL TIME (usec)	200	Collar Location	0	AMP AMPLITUDE (mV)	10	200	VDL (V)	1200
0	Gamma Ray	200	9	-1	0	100			
0	Line Speed (ft/min)	100							
TEMP (degF)									



Gamma Ray Calibration Report		
Serial Number:	GRS2_7M	
Tool Model:	GRS2.7M	
Performed:	(Not Performed)	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	0111	
Tool Model:	275 Temp Solid	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	-2660.635	ft

Master Calibration, performed Sun Jun 13 11:05:22 2021:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.746	2.000	81.196	106.148	2.000
CAL	0.000	0.646				
5'	0.000	0.935	2.000	81.196	84.719	2.000
SUM						
S1	0.000	0.944	0.000	100.000	105.974	0.000
S2	0.000	0.908	0.000	100.000	110.137	0.000
S3	0.000	0.866	0.000	100.000	115.462	0.000
S4	0.000	0.825	0.000	100.000	121.176	0.000
S5	0.000	0.862	0.000	100.000	115.949	0.000
S6	0.000	0.916	0.000	100.000	109.152	0.000
S7	0.000	0.932	0.000	100.000	107.253	0.000
S8	0.000	0.933	0.000	100.000	107.190	0.000

Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.646	1.000	0.000

Air Zero Calibration, performed Fri Jun 04 14:03:01 2021:		
	Raw (v)	Results
	Zero	Offset
3'	0.000	0.000
5'	0.000	0.000
SUM		
S1	0.000	0.000
S2	0.000	0.000
S3	0.000	0.000
S4	0.000	0.000
S5	0.000	0.000
S6	0.000	0.000
S7	0.000	0.000
S8	0.000	0.000

Temperature Calibration Report	
Serial Number:	0111
Tool Model:	275 Temp Solid
Performed:	Mon Jun 14 16:44:38 2021

		Reference		Reading	
Low Reference:		0.00	degF	0.00	usec
High Reference:		1.00	degF	1.00	usec
Gain:		0.30			
Offset:		0.00			
Delta Spacing		1			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	14.88		CablHD-Weatherford 1 7/16 Cable Head	1.00	1.44	5.00
	13.58		SCBLTEKSECT-275 Temp Solid (0111) TekCo 2 3/4" 400 Deg. F Sector Tool with Temperature (Solid)	9.13	2.75	130.00
	13.58					
	13.58					
	13.58					
	13.58					
	13.58					
	13.58					
	13.58					
	12.83					
	11.83					
	8.50					
WVFSYNC	8.50		CCL-275tekco (111) 2 3/4" 450 Deg. "F" TekCo CCL Earth Mag	1.83	2.75	20.00
WVFTMP	8.50					
WVFCAL	8.50					
CCL	7.35		GR-GRS2.7M (GRS2_7M) 2 3/4" 400F/20K PSI TEKCO GAMMA RAY	3.67	2.75	35.00
GR	4.13					
			BullPlug-BullPlug 1.69	0.13	1.69	2.00
			CENT-2.7CSSCent	2.88	2.75	25.00





## 2 3/4" CSS Adjustable Centralizer

Dataset:	joan 31-17.db: field/well/run1/CBL1
Total length:	18.63 ft
Total weight:	217.00 lb
O.D.:	2.75 in