SECTOR BOND LOG

Company PATTERSON ENERGY, LLC.
Well RADENBERG #9
Field KRAFT-PRUSA
County BARTON State KS

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Well RADENBERG #9
Field KRAFT-PRUSA
County BARTON
State KS

Location: API # : 15-009-26430

1650' FNL & 2310' FWL

SEC 3 TWP 17S RGE 11W

Other Services
PERF

Elevation
K.B. 1898
D.F. 1896
G.L. 1890

Permanent Datum	Ground Level	Elevation	1890
Log Measured From	KB 8' AGL		
Drilling Measured From	KB		

Date	9/10/24		
Run Number	One		
Depth Driller	3396		
Depth Logger	3346		
Bottom Logged Interval	3344		
Top Log Interval	2000		
Open Hole Size	7 7/8"		
Type Fluid	Water		
Density / Viscosity	////		
Max. Recorded Temp.	////		
Estimated Cement Top	2138		
Time Well Ready	R.O.A		
Time Logger on Bottom	12:30 p.m		
Equipment Number	T-118		
Location	Hays, KS		
Recorded By	Gus Pfanenstiel		
Witnessed By	DALE WINDHOLZ		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	26#	0'	700
Prot. String	5.5"	15.5 #	0'	3396
Production String				
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

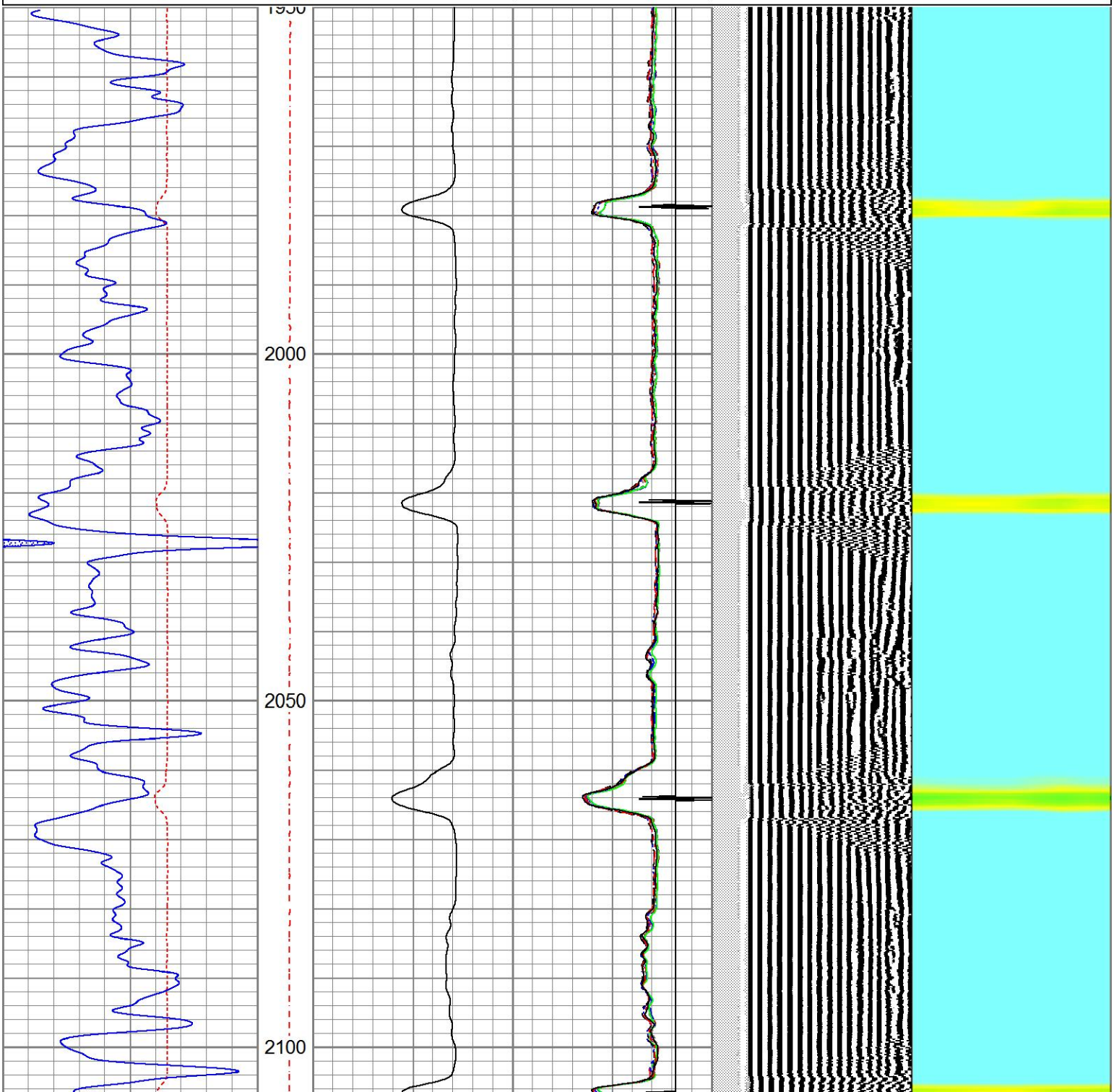
5 MILES NORTH OF CLAFLIN EAST INTO.

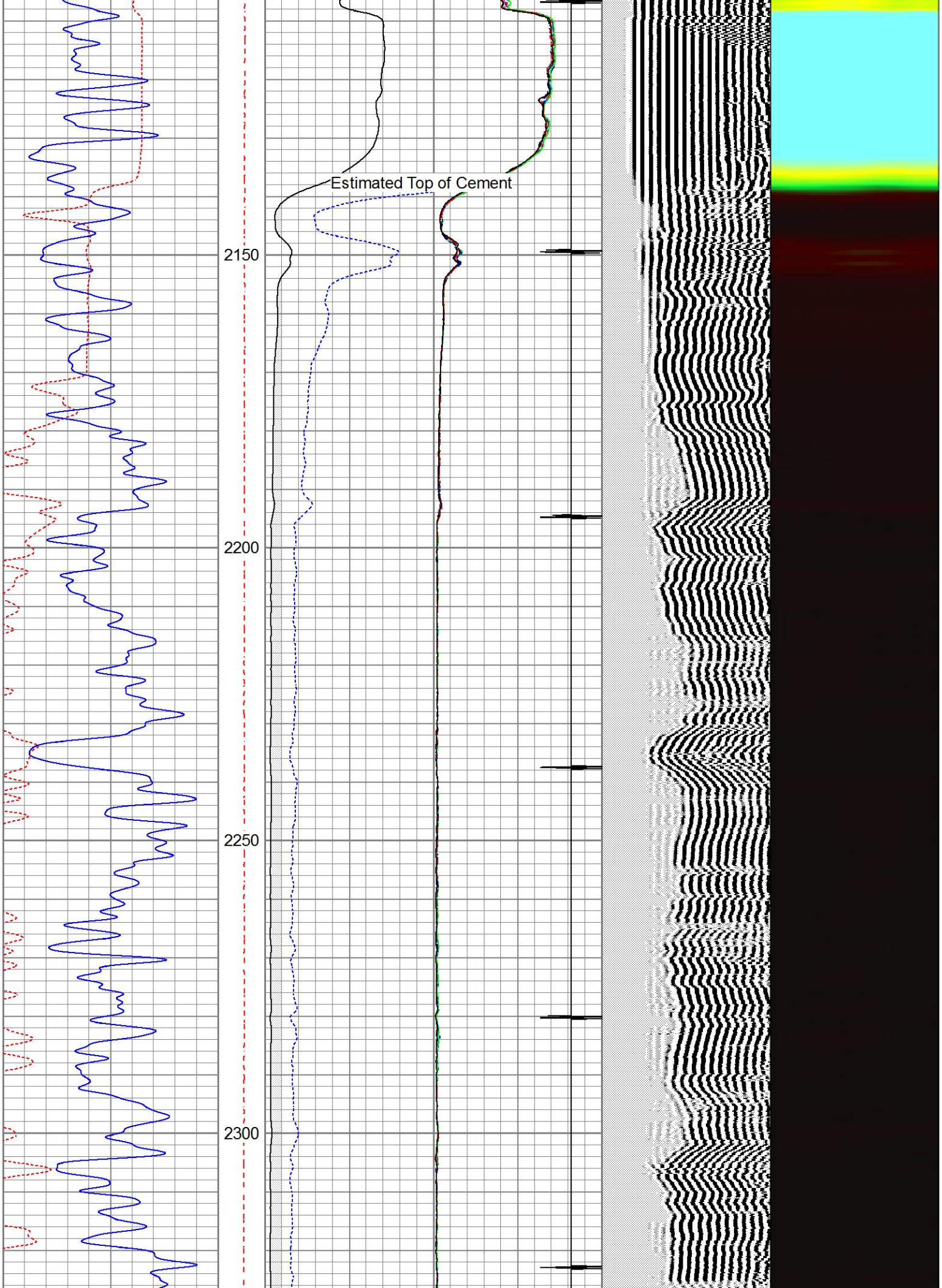
Thanks for using Gemini Wireline LLC
785-625-1182

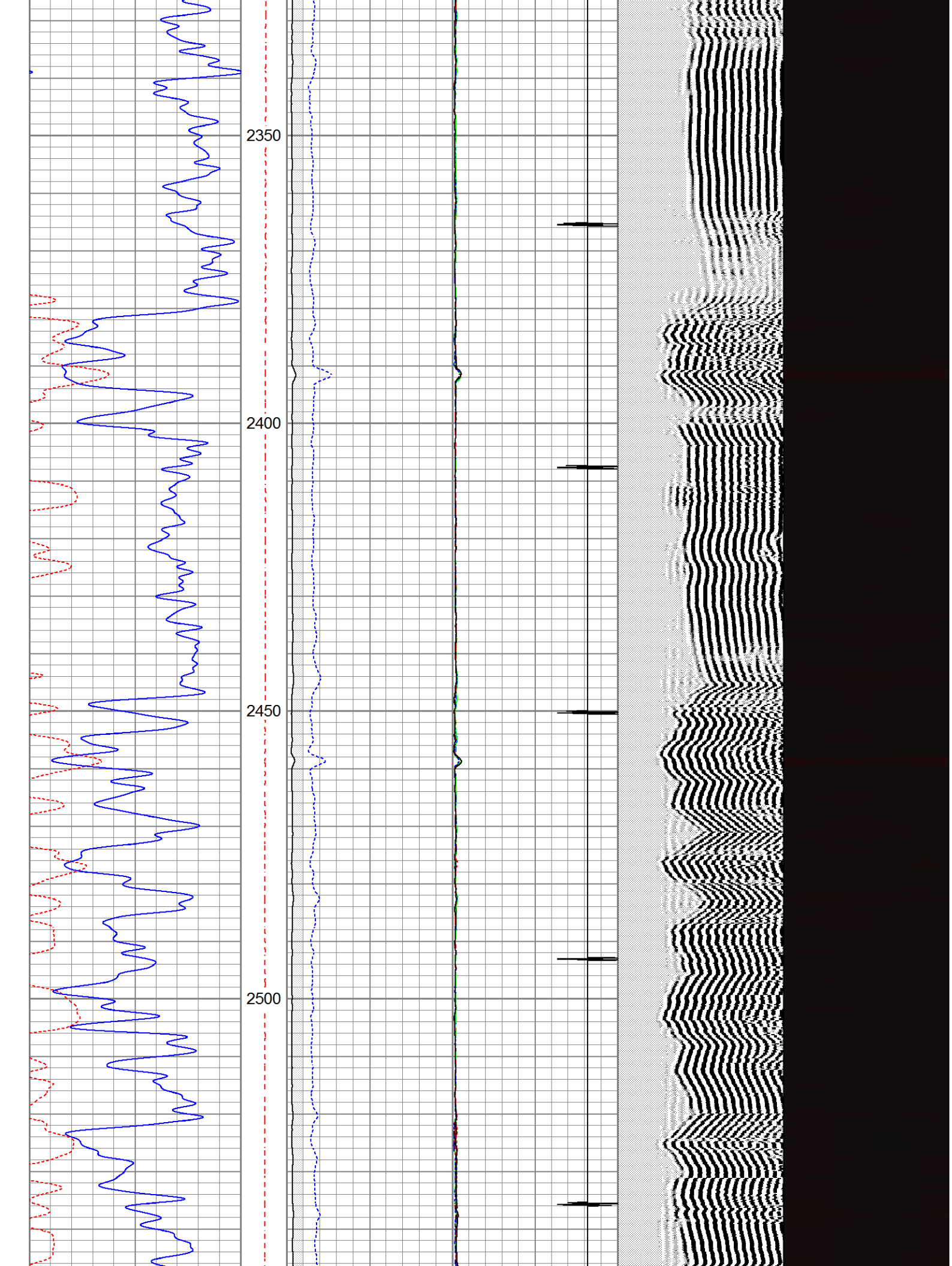
MAIN PASS

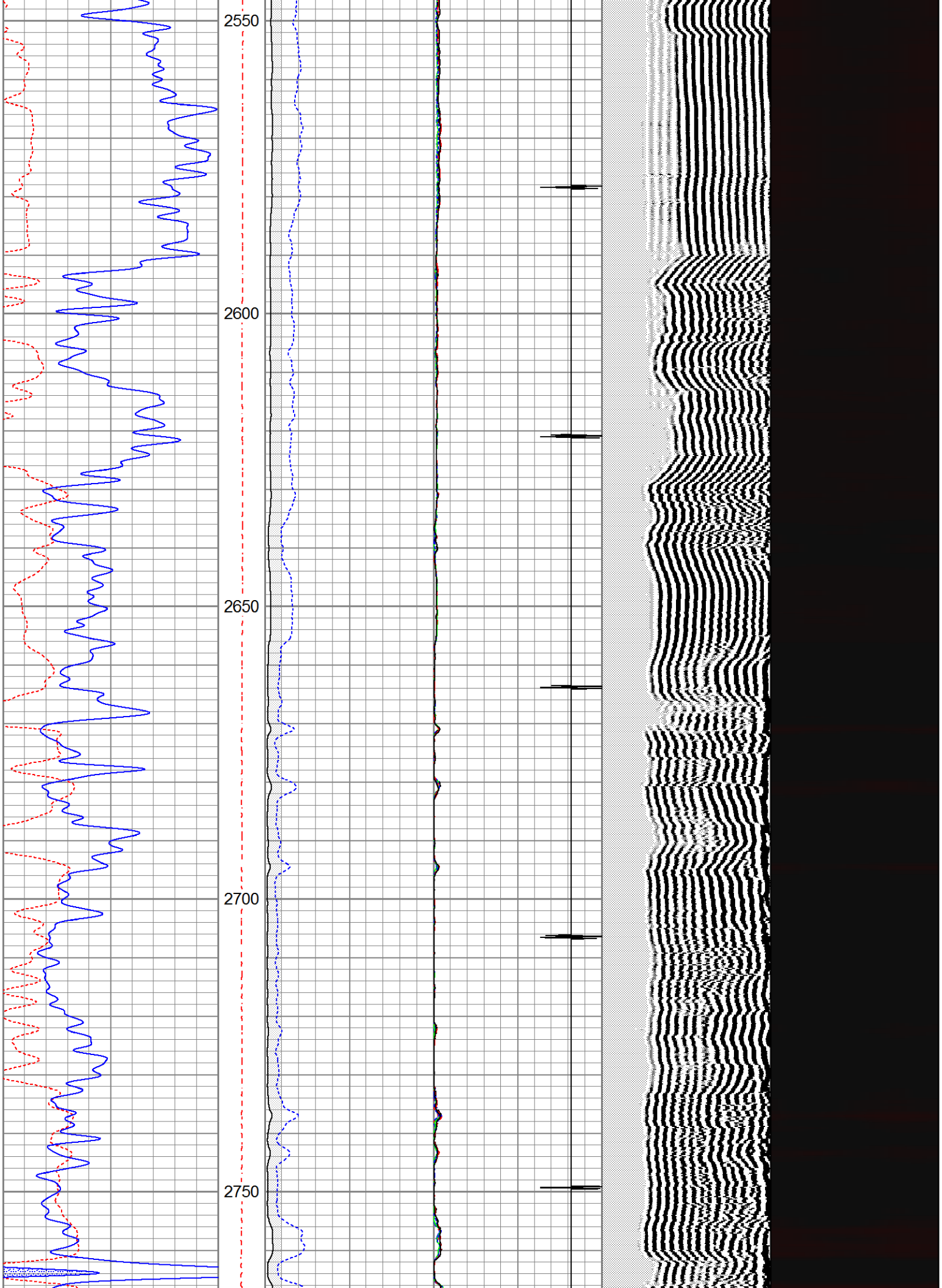
Database File	peradenberg#9cbl.db
Dataset Pathname	pass3
Presentation Format	kssectorco
Dataset Creation	Tue Sep 10 13:22:19 2024
Charted by	Depth in Feet scaled 1:240

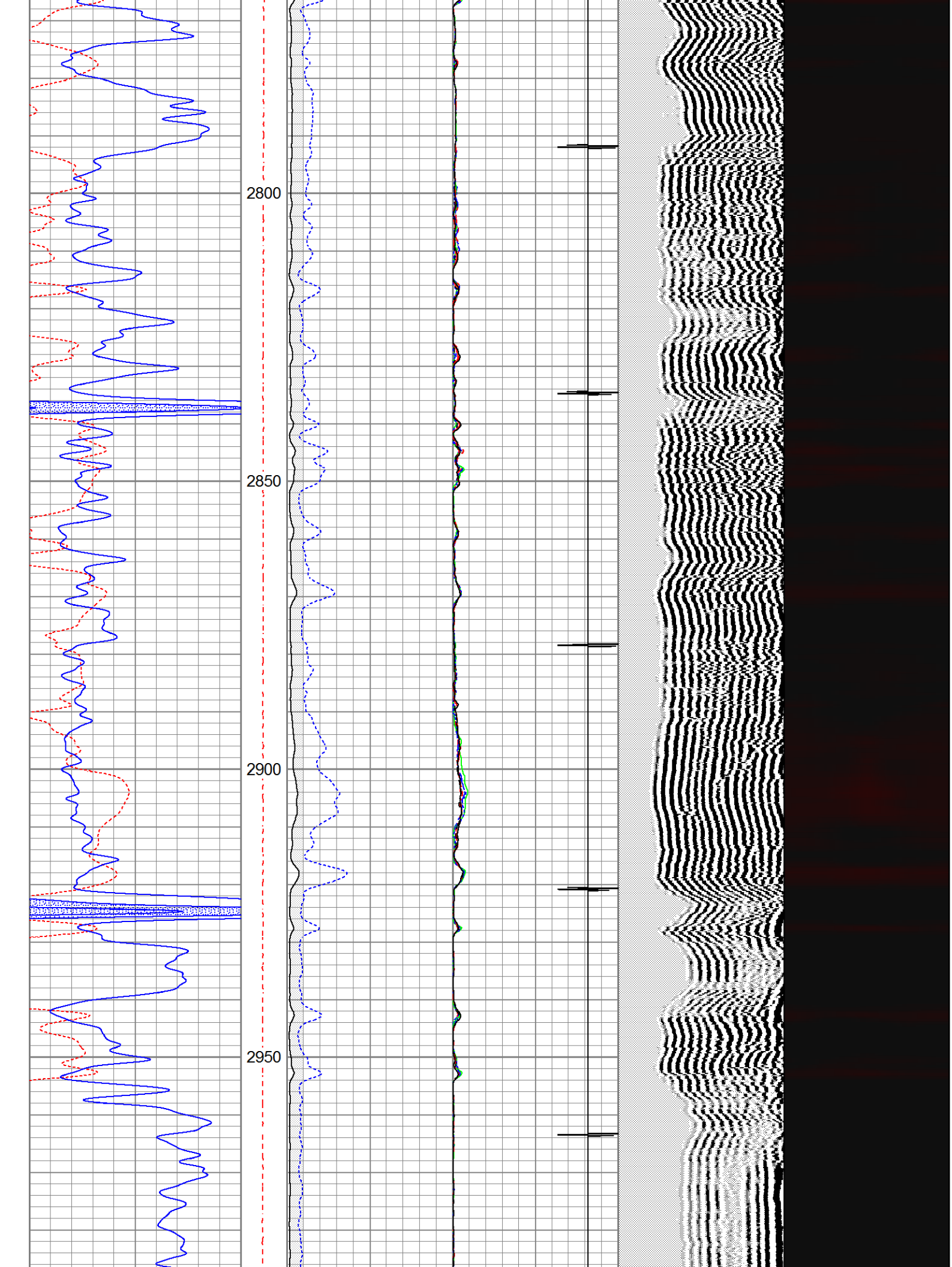
400	TT (usec)	200	LTEN	0	AMP3FT (mV)	100	0	AMPS2	100	200	VDL (usec)	1200	1	Cement Map	8
0	GR (GAPI)	150	(lb)		Amplified Amplitude		0	AMPS3	100						
			1-100	0	(mV)	20	0	AMPS4	100						
							0	AMPS5	100						
							0	AMPS6	100						
							0	AMPS7	100						
							0	AMPS8	100						
							0	AMPS1	100						
							9	CCL	-2						

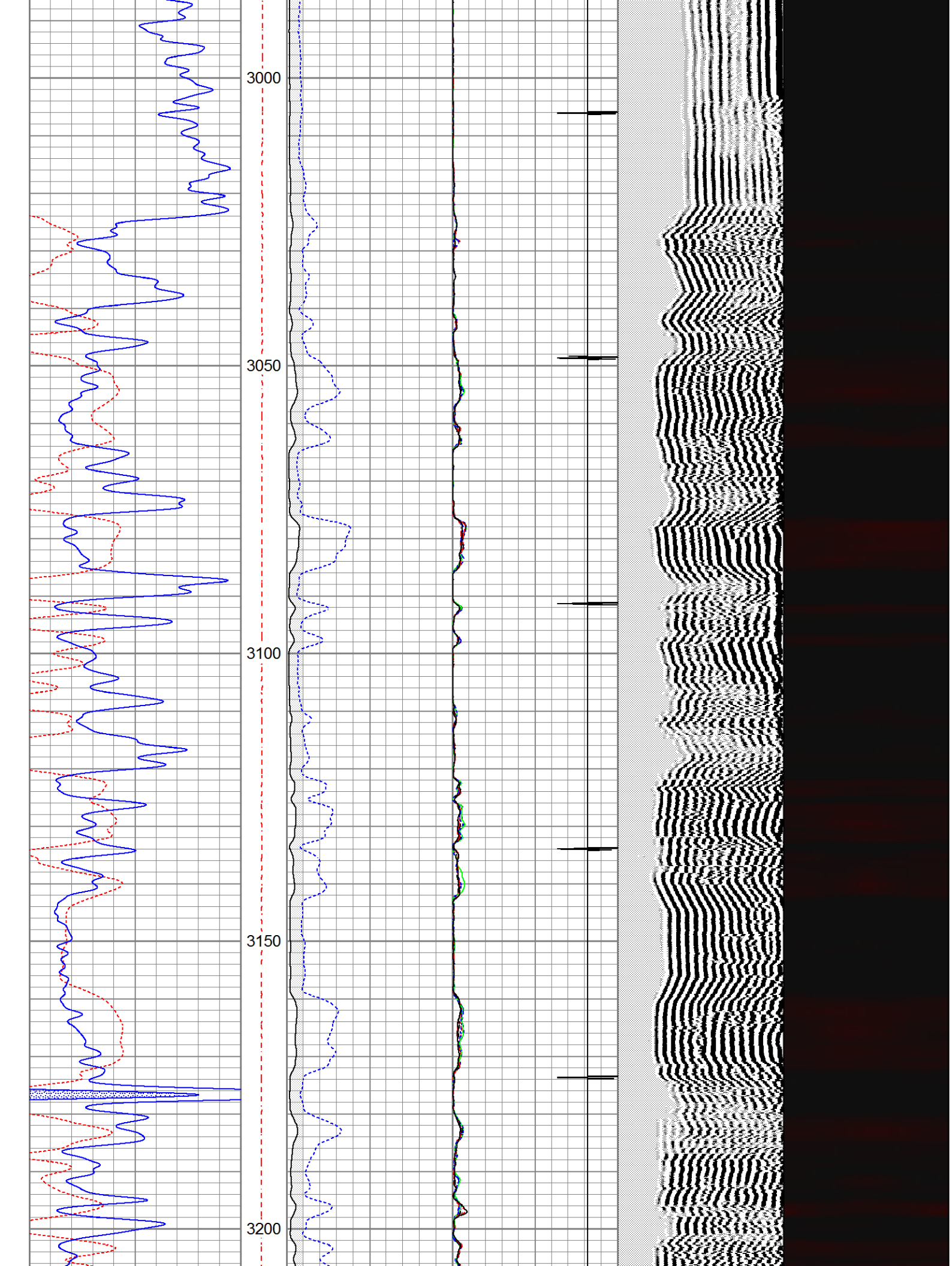


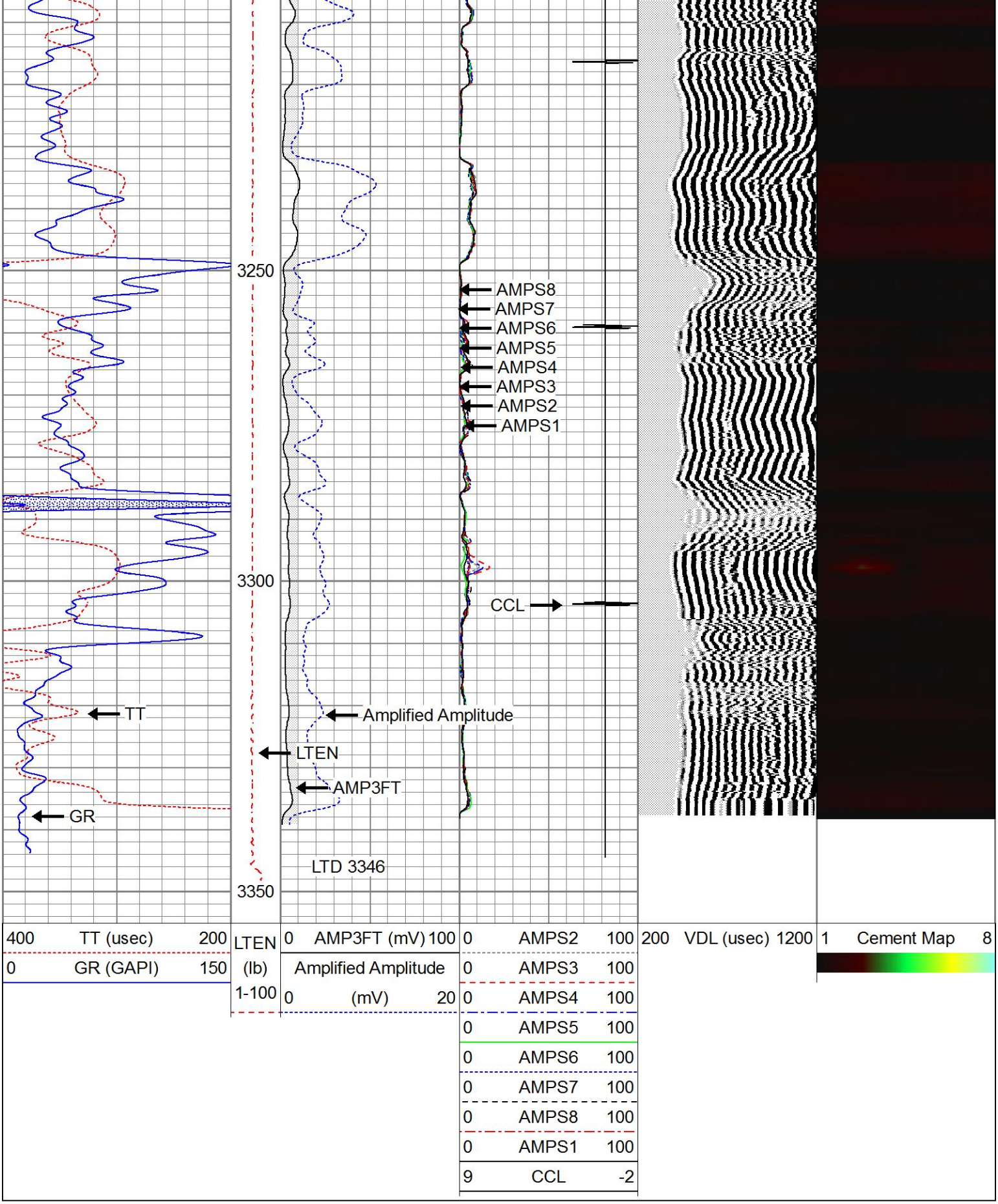

Estimated Top of Cement
2150
2200
2250
2300


2350
2400
2450
2500


2550
2600
2650
2700
2750


2800
2850
2900
2950


3000
3050
3100
3150
3200

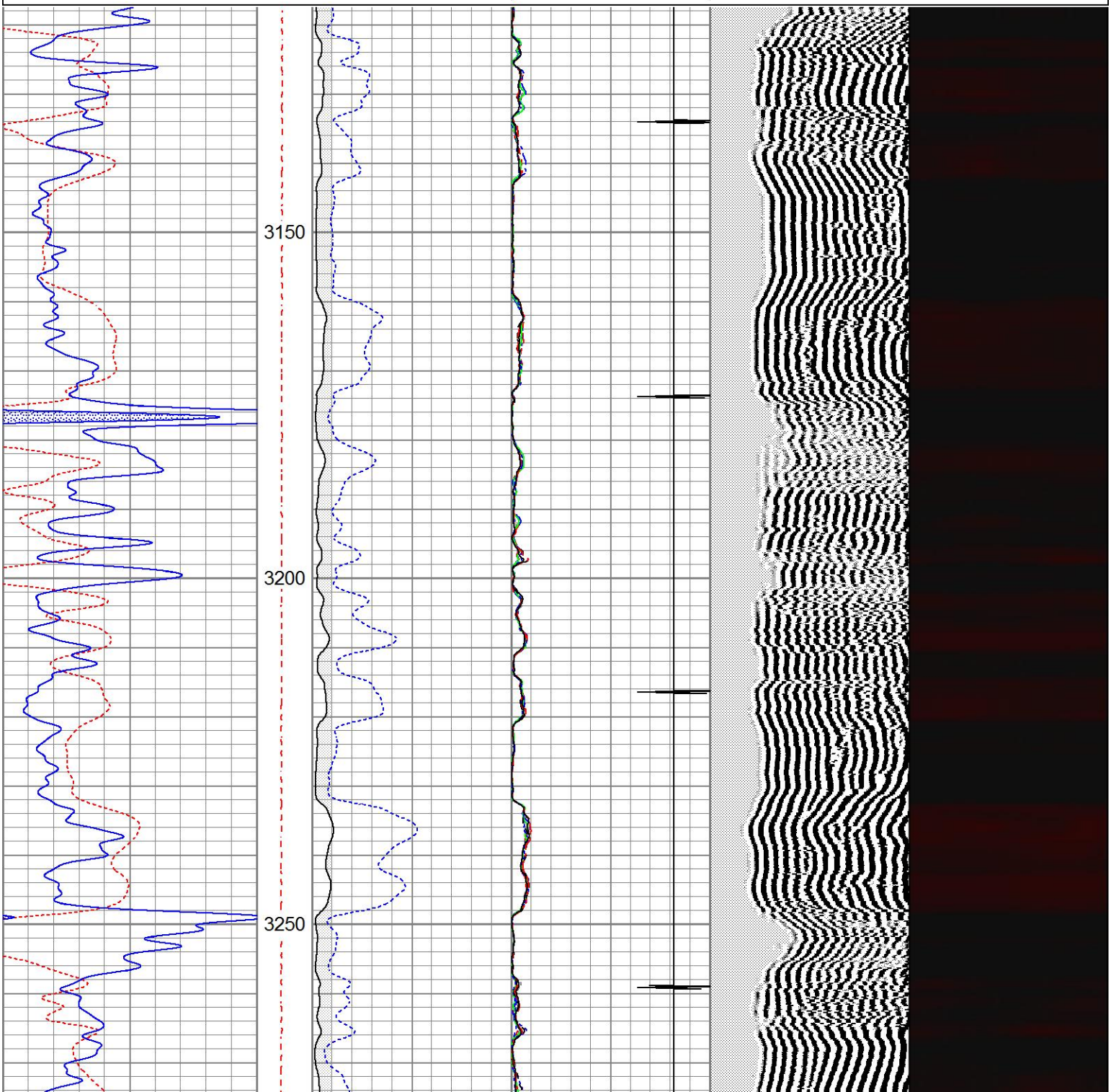


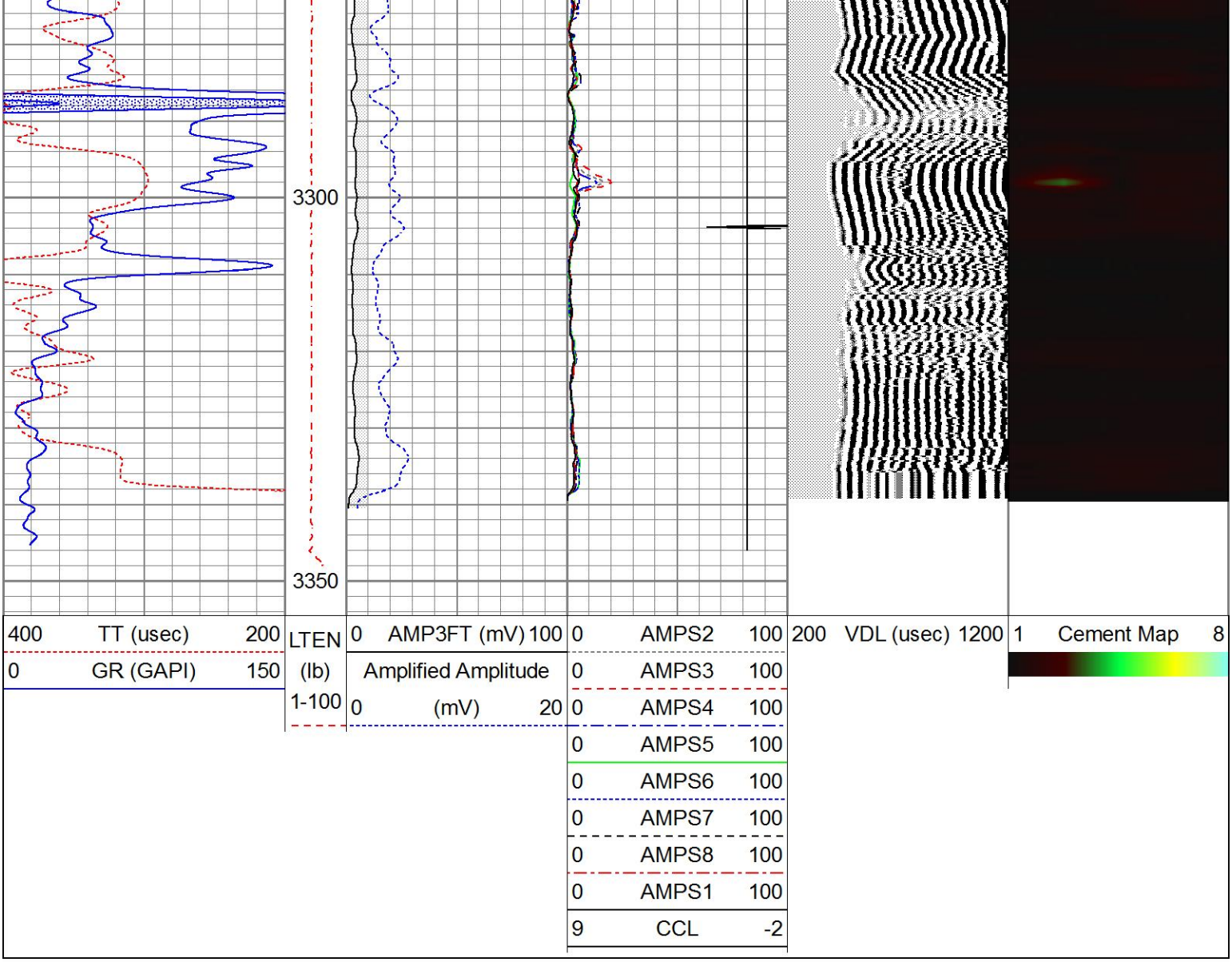
GEMINI WIRELINE

REPEAT SECTION

Database File	peradenberg#9cbl.db
Dataset Pathname	pass2
Presentation Format	kssectorco
Dataset Creation	Tue Sep 10 13:16:11 2024
Charted by	Depth in Feet scaled 1:240

400	TT (usec)	200	LTEN	0	AMP3FT (mV)	100	0	AMPS2	100	200	VDL (usec)	1200	1	Cement Map	8
0	GR (GAPI)	150	(lb)		Amplified Amplitude		0	AMPS3	100						
			1-100	0	(mV)	20	0	AMPS4	100						
							0	AMPS5	100						
							0	AMPS6	100						
							0	AMPS7	100						
							0	AMPS8	100						
							0	AMPS1	100						
							9	CCL	-2						





Calibration Report

Database File	peradenberg#9cbl.db
Dataset Pathname	pass2
Dataset Creation	Tue Sep 10 13:16:11 2024

Gamma Ray Calibration Report

Serial Number:	080224	
Tool Model:	Probe1	
Performed:	Wed Mar 8 08:45:31 2023	
Calibrator Value:	200.0	GAPI
Background Reading:	15.0	cps
Calibrator Reading:	222.7	cps
Sensitivity:	1.4000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	100424	
Tool Model:	RBL-D	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	2054.333	ft

Master Calibration, performed Thu Jul 25 09:44:45 2024:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.705	1.300	71.921	100.129	1.300
CAL	0.000	0.802				
5'	0.000	0.602	1.300	71.921	117.367	1.300
SUM						
S1	0.000	0.728	0.000	71.921	98.822	0.000
S2	0.000	0.747	0.000	71.921	96.297	0.000
S3	0.000	0.720	0.000	71.921	99.896	0.000
S4	0.000	0.688	0.000	71.921	104.560	0.000
S5	0.000	0.663	0.000	71.921	108.496	0.000
S6	0.000	0.645	0.000	71.921	111.534	0.000
S7	0.000	0.646	0.000	71.921	111.327	0.000
S8	0.000	0.682	0.000	71.921	105.446	0.000

Air Zero Calibration, performed Tue Sep 10 13:02:08 2024:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.003	0.000	-0.003
5'	0.005	0.000	-0.005
SUM			
S1	0.003	0.000	-0.003
S2	0.003	0.000	-0.003
S3	0.004	0.000	-0.004
S4	0.005	0.000	-0.005
S5	0.004	0.000	-0.004
S6	0.004	0.000	-0.004
S7	0.003	0.000	-0.003
S8	0.003	0.000	-0.003