



CEMENT
BOND
LOG

Company		PATTERSON ENERGY					
Well		SOEKEN A #8					
Field		KRAFT PRUSIA					
County		BARTON					
State		KANSAS					
Location:		API # : 15 009 26412					
Permanent Datum		GROUND LEVEL Elevation 1841					
Log Measured From		KB 8' AGL					
Drilling Measured From		KB					
SEC 15 TWP 17S RGE 11W		Elevation					
		K.B. 1849					
		D.F. 1847					
		G.L. 1841					
770' FSL & 1154' FWL							
Date		11/29/23					
Run Number		ONE					
Depth Driller		3549					
Depth Logger		3502					
Bottom Logged Interval		3500					
Top Log Interval		2400					
Open Hole Size		7 5/8"					
Type Fluid		WATER					
Density / Viscosity		///					
Max. Recorded Temp.		///					
Estimated Cement Top		2564					
Time Well Ready		7:30 AM					
Time Logger on Bottom		8:00AM					
Equipment Number		T-118					
Location		HAYS KS					
Recorded By		GUS PFANENSTIEL					
Witnessed By							
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"			23#		0'	680
Prot. String							
Production String	5.5"			15.5 #		0'	3502
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

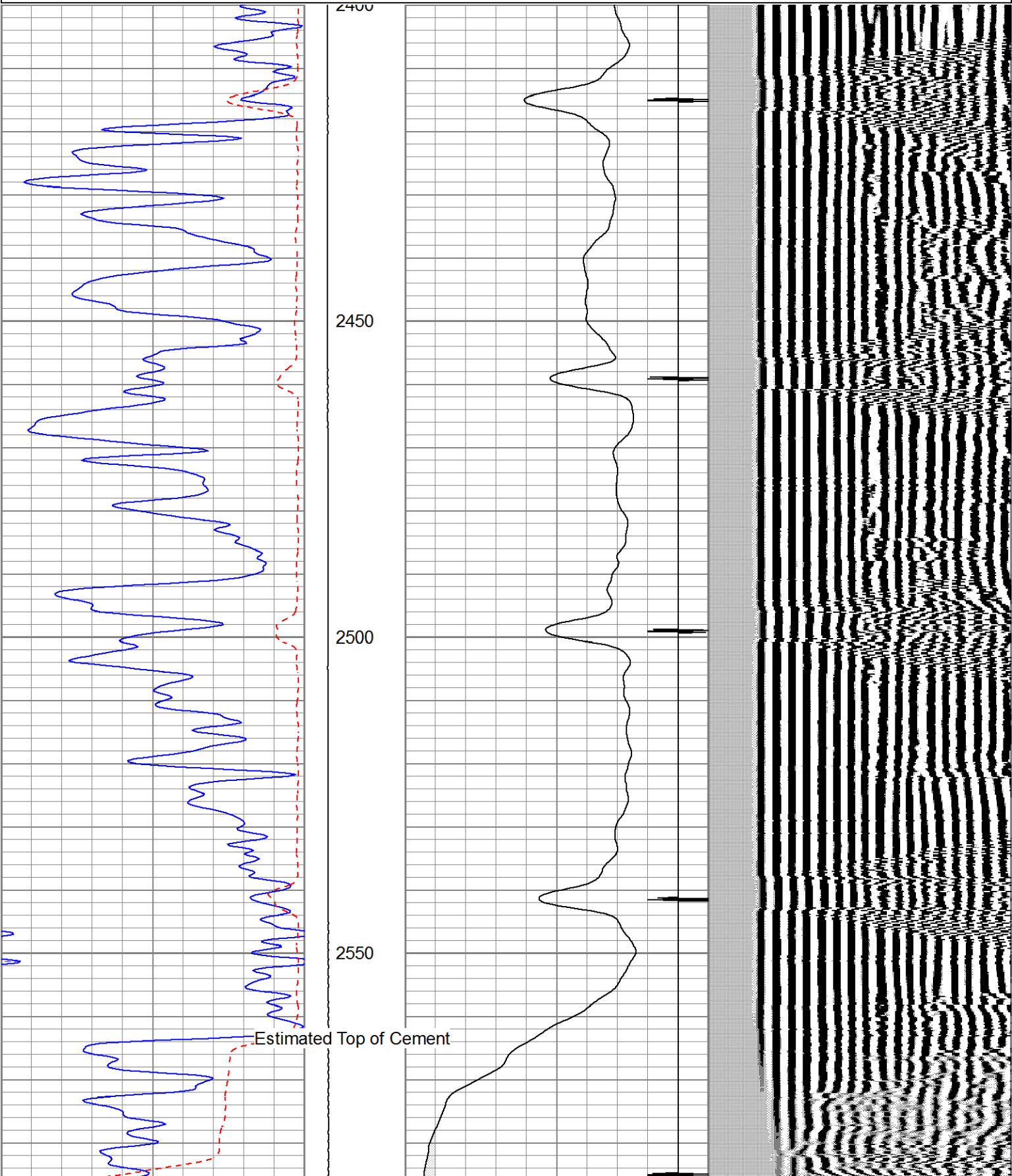
CLAFLIN 3 NORTH, 1/4 EAST,
NORTH INTO

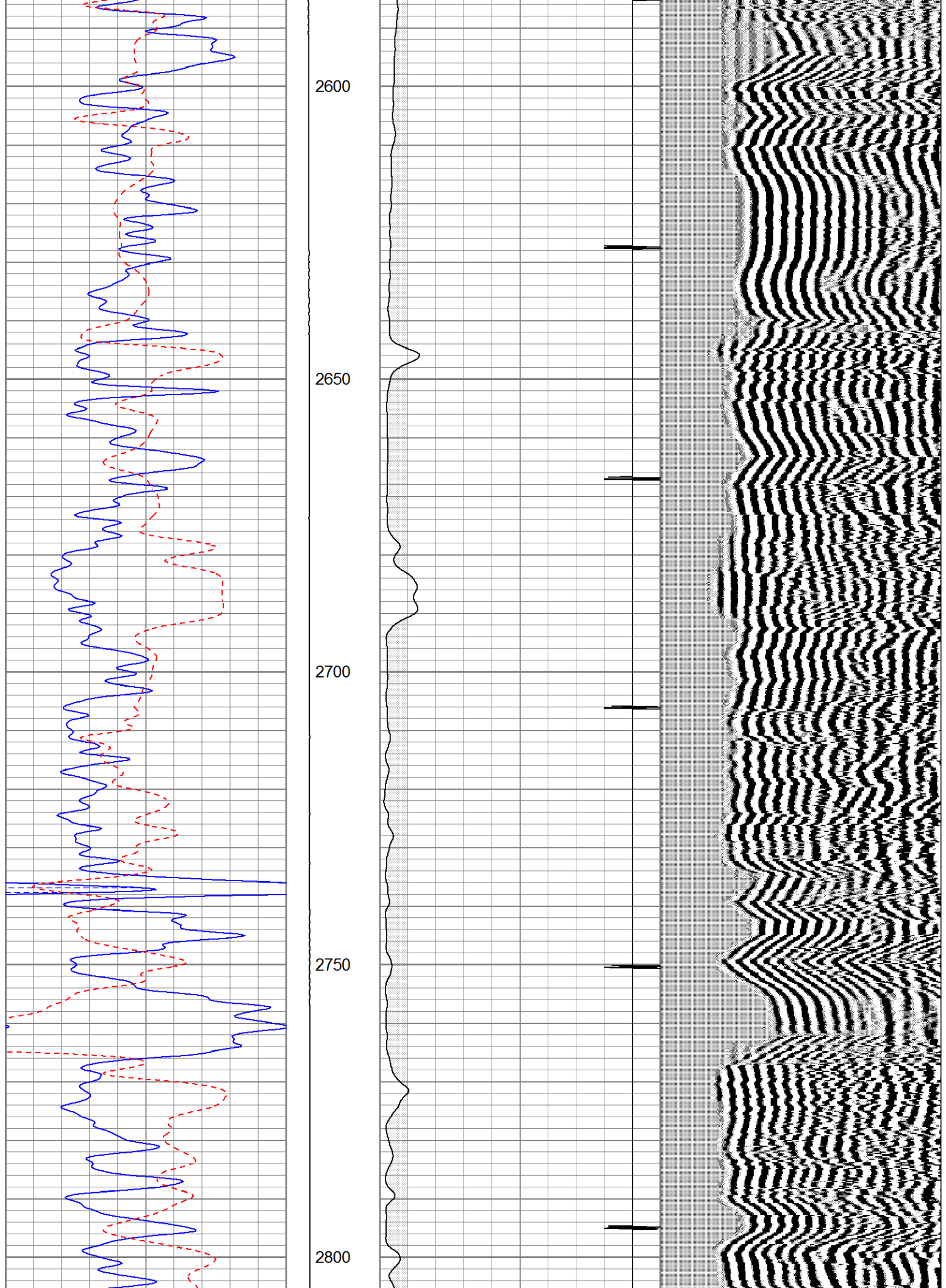


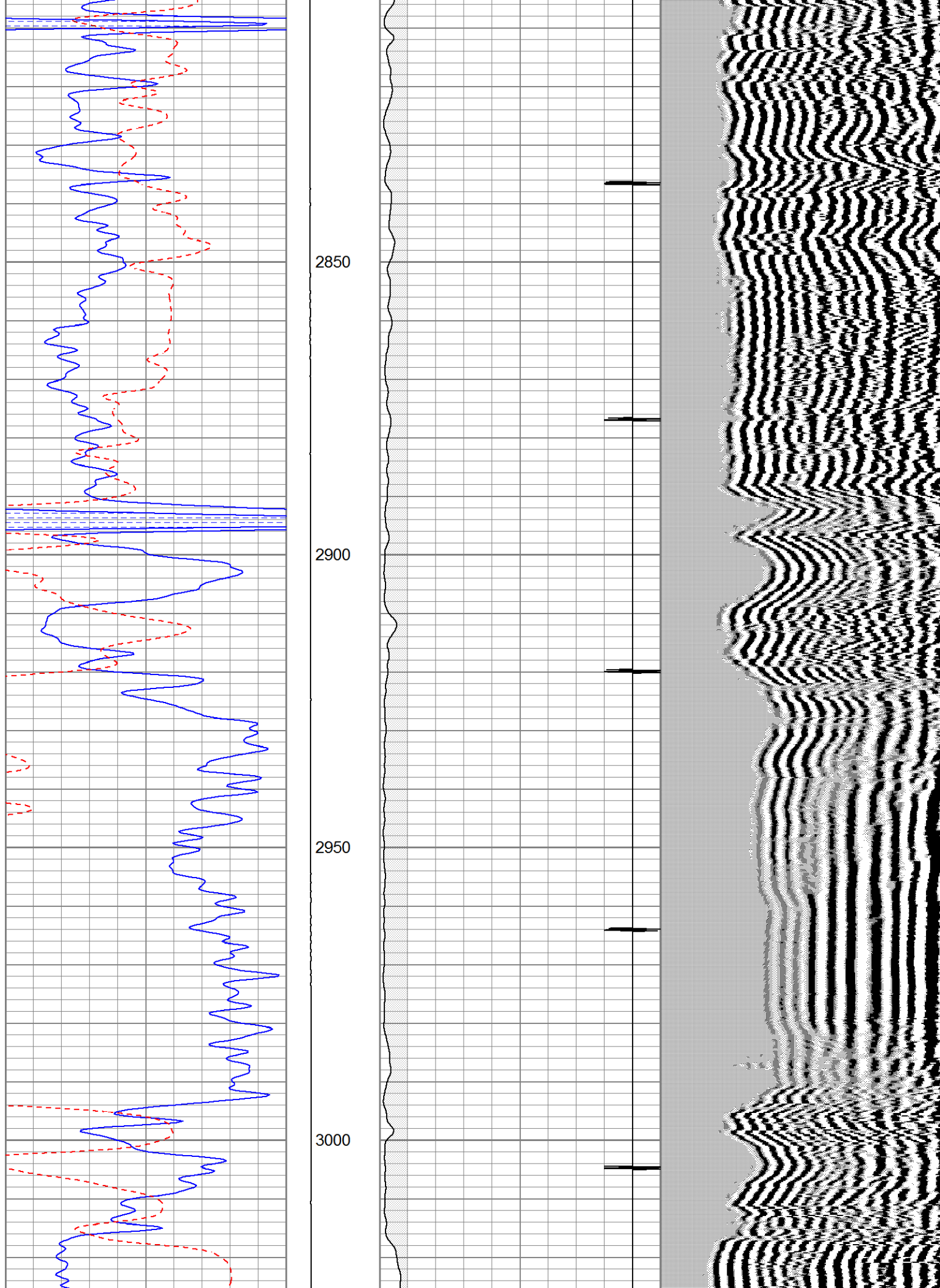
MAIN PASS

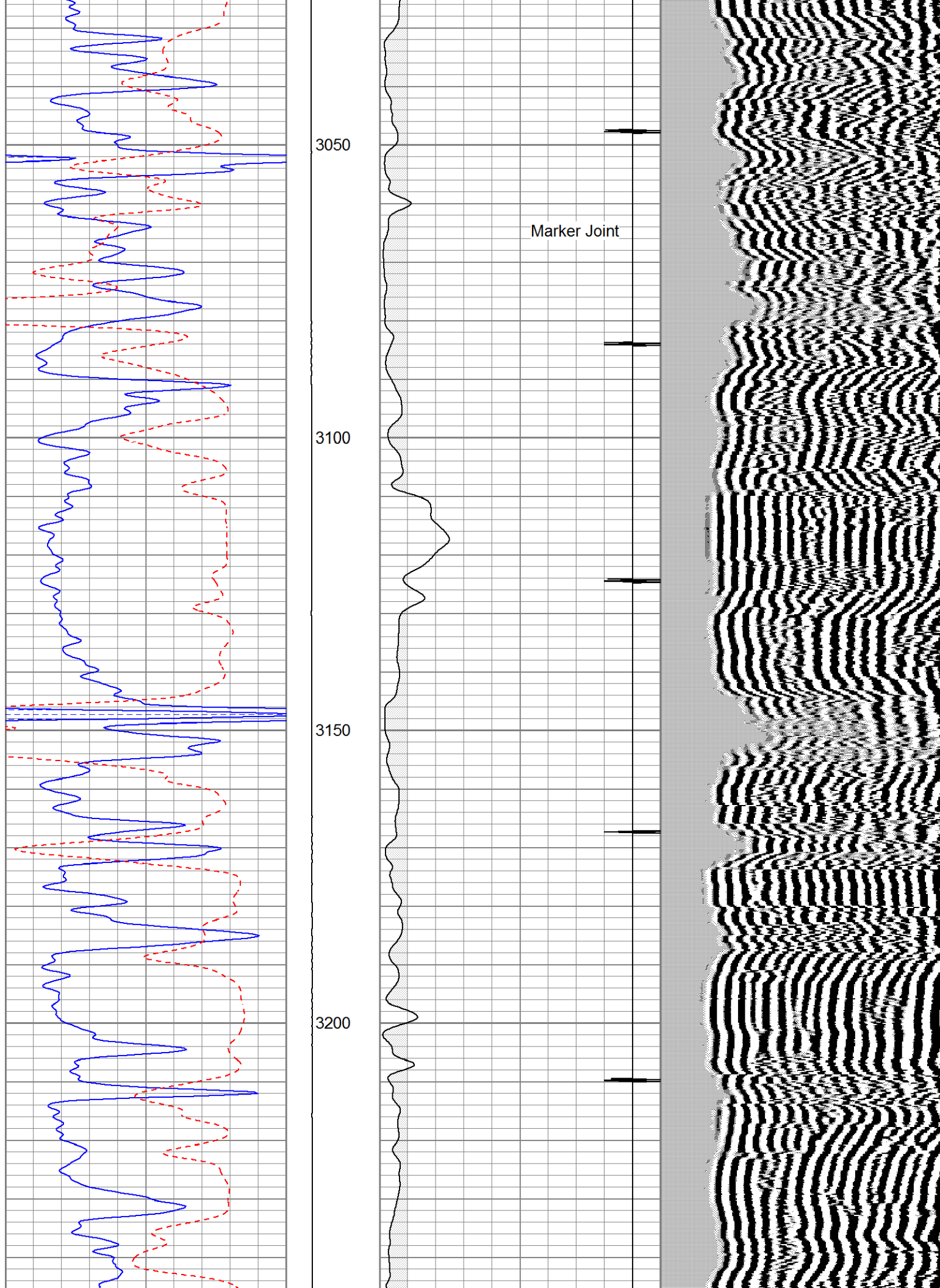
Database File	pesoekena#8cbl.db
Dataset Pathname	pass3.1
Presentation Format	cblsec
Dataset Creation	Wed Nov 29 09:09:23 2023
Charted by	Depth in Feet scaled 1:240

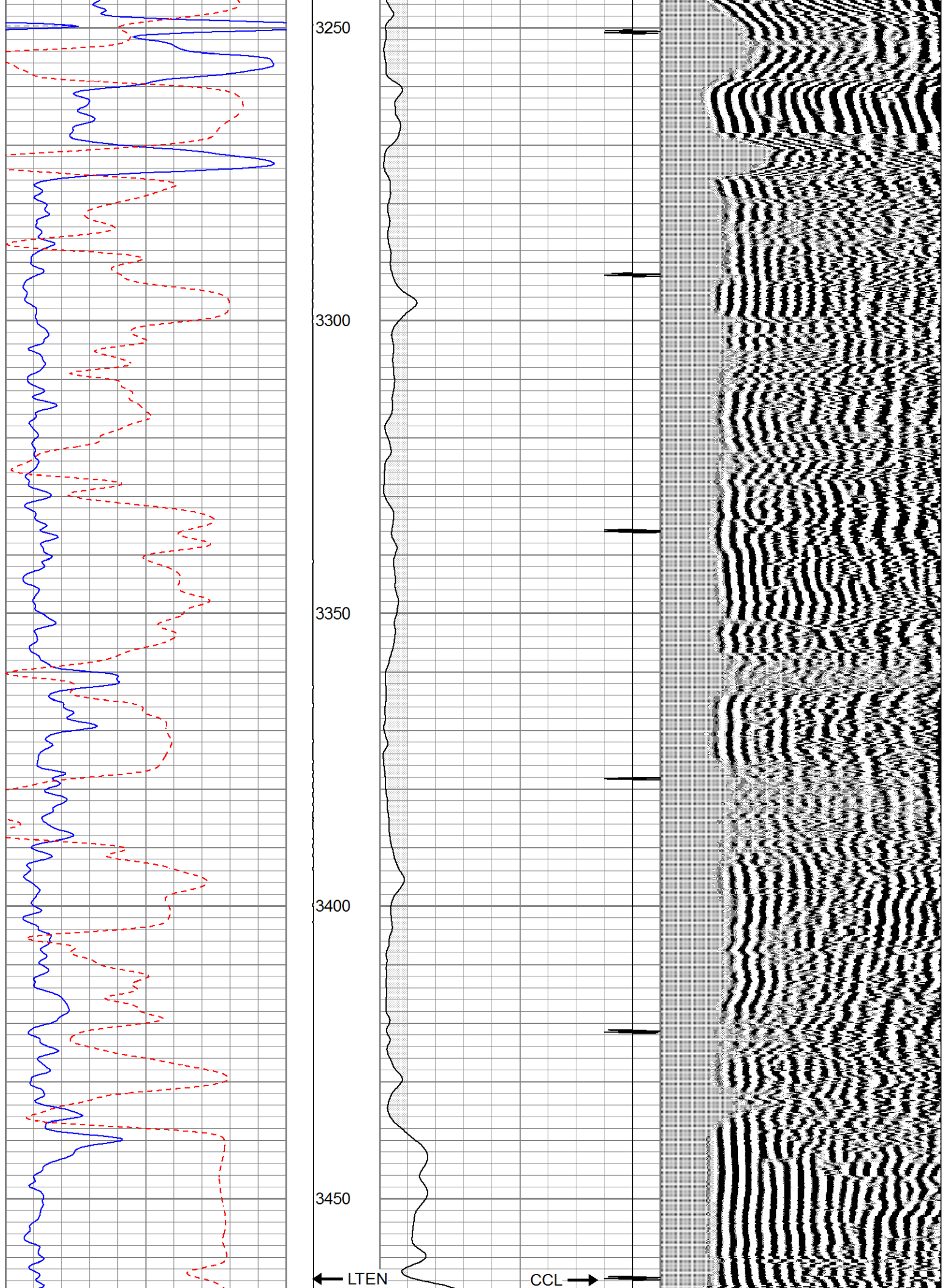
0	GR (GAPI)	150	LTEN	18	CCL	-2	200	VDL (usec)	1200
150	GR (GAPI)	300	(lb)	0	AMP3 (mV)	100			
450	TT3 (usec)	250	-100 2100						

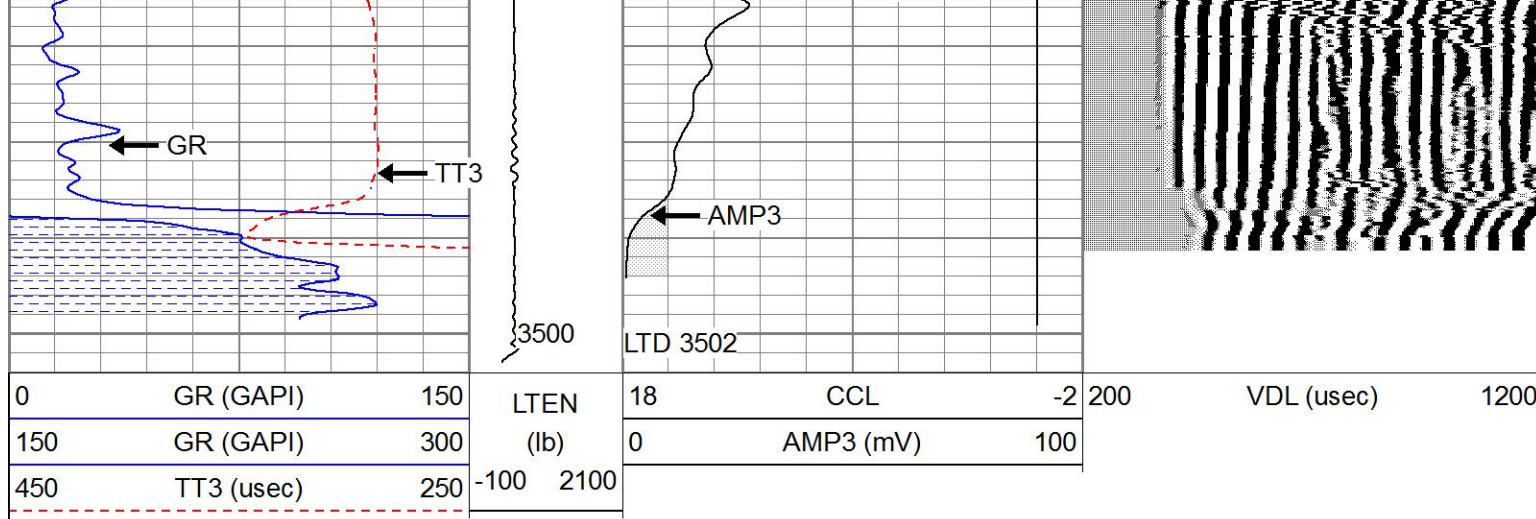






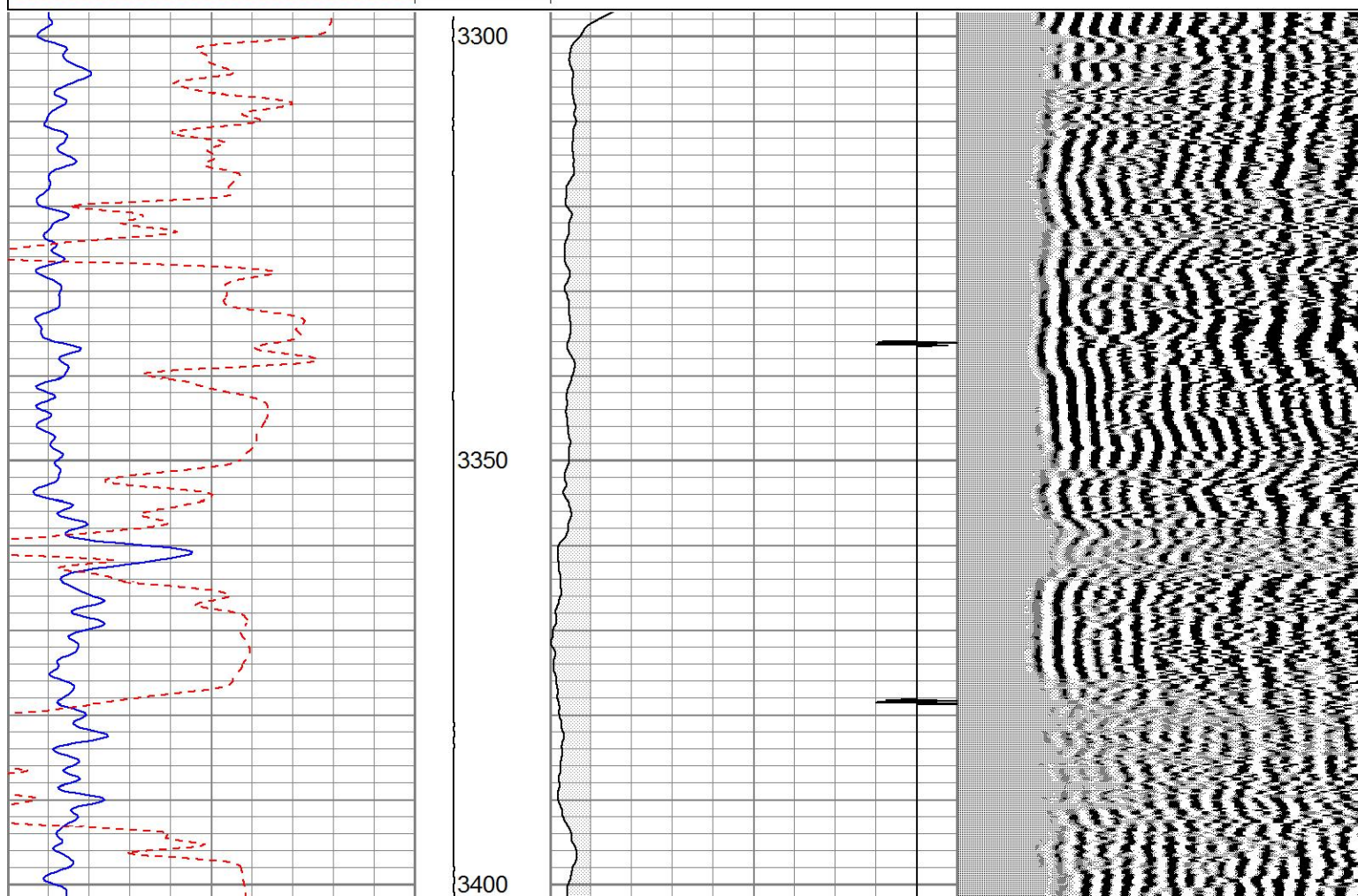
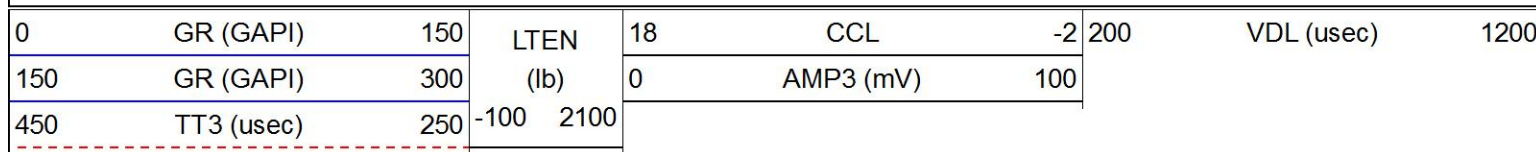


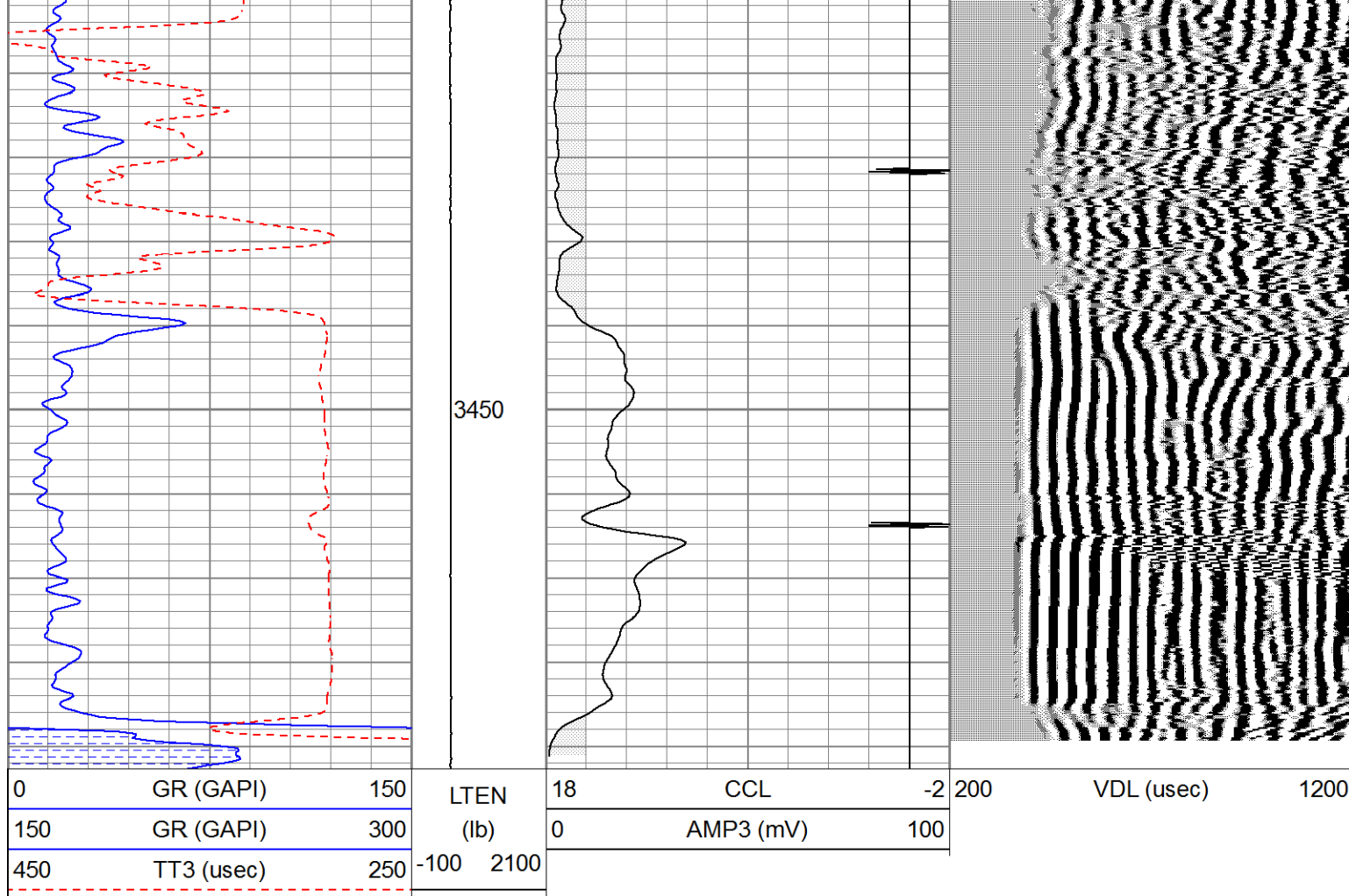




REPEAT SECTION

Database File pesoekena#8cbl.db
 Dataset Pathname pass2
 Presentation Format cblsec
 Dataset Creation Wed Nov 29 08:43:22 2023
 Charted by Depth in Feet scaled 1:240





Calibration Report					
Database File	pesoekena#8cbl.db				
Dataset Pathname	pass2				
Dataset Creation	Wed Nov 29 08:43:22 2023				
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:	061007				
Tool Model:	DigitalCBL				
Calibration Casing Diameter:	5.500	in			
Calibration Depth:	512.692	ft			
Master Calibration, performed Tue Nov 14 09:19:04 2023:					
Raw (v)		Calibrated (mv)		Results	
Zero	Cal	Zero	Cal	Gain	Offset

3'	0.003	0.930	1.000	71.921	76.484	0.790
CAL						
5'	0.002	0.843	1.000	71.921	84.350	0.801
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						
Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL						
Air Zero Calibration, performed Tue Nov 14 09:14:28 2023:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						