



SECTOR CEMENT BOND  
GAMMA RAY  
CCL LOG

Company **OCCIDENTAL PETROLEUM CORP.**  
Well **MEGAN STATE H15-32D**  
Field **WATTENBURG**  
County **WELD** State **CO**

Location: API # : 05-123-34854  
1937 FSL & 646' FEL  
SEC 16 TWP 3N RGE 65W  
PERF  
Permanent Datum GL  
Log Measured From KB 14' Elevation 4819'  
Drilling Measured From KB Above Perm. Datum  
K.B. 4833'  
D.F. 4832'  
G.L. 4819'

Comp. OCCIDENTAL PETROLEUM CORP.  
Well MEGAN STATE H15-32D  
Field WATTENBURG  
Co. WELD  
State CO

Date of Service	13-JULY-2023		
Run Number	ONE		
Depth Driller or PBTID	7905'		
Depth Logger	6500'		
Bottom Log Interval	6500'		
Top Log Interval	SURFACE		
Open Hole Size	7-7/8"		
Type Fluid	H2O		
Fluid Level	SURFACE		
Fluid Density	8.33 LB/GAL		
Max. Recorded Temperature	NA		
Max. Wellhead Pressure	ZERO		
Wellhead Connection	5K		
Estimated Cement Top	SEE LOG		
Unit Number	1096		
Wireline Size	9/32"		
Location	BRIGHTON		
Recorded By	C. SHEPPARD		
Witnessed By	F. GONZALEZ		
Size	WMt	Top	Bottom
Surface Casing	8-5/8"	24#	SURFACE 966'
Production Casing	4-1/2"	11.6#	SURFACE 7889'
Liner Casing			
Tubing Record			

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All interpretations are opinions based on inferences from electrical or other measurements and Ranger Energy Services cannot and does not guarantee the accuracy or correctness of any interpretation, and Ranger Energy Services will 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 officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.  
LOG CORRELATED TO KB

ZERO PRESSURE APPLIED @ SURFACE

THANK YOU FOR USING RANGER ENERGY SERVICES!!

THANK YOU FOR USING RANGER ENERGY SERVICES! FIELD TICKET #

Your Ranger Energy Services Crew	Tool Data - Services	Serial Number
Engineer: C. SHEPPARD Operator: E. CARRANZA Operator: G. SOTO Operator:		



# Log Variables

DatabaseC:\ProgramData\Warrior\Data\568771\_occidental\_meganstateh15-32d\_0512334854\_20230713\_scbl.db  
Dataset field/well/run1/pass3/\_vars\_

## Top - Bottom

BOREID in 8.75	BOTTEMP degF 100	CASEOD in 4	CASETHCK in 0.25	CASEWGHT lb/ft 11.6	MAXAMPL mV 81.2	MINAMPL mV 0.7	MINATTN db/ft 13
PERFS No	PPT usec 262	SRFTEMP degF 75	TDEPTH ft 6500				

## Variable Description

BOREID : Borehole I.D.	CASEWGHT : Casing Weight	PERFS : Perforation Flag
BOTTEMP : Bottom Hole Temperature	MAXAMPL : Maximum Amplitude	PPT : Predicted Pipe Time
CASEOD : Casing O.D.	MINAMPL : Minimum Amplitude	SRFTEMP : Surface Temperature
CASETHCK : Casing Thickness	MINATTN : Minimum Attenuation	TDEPTH : Total Depth

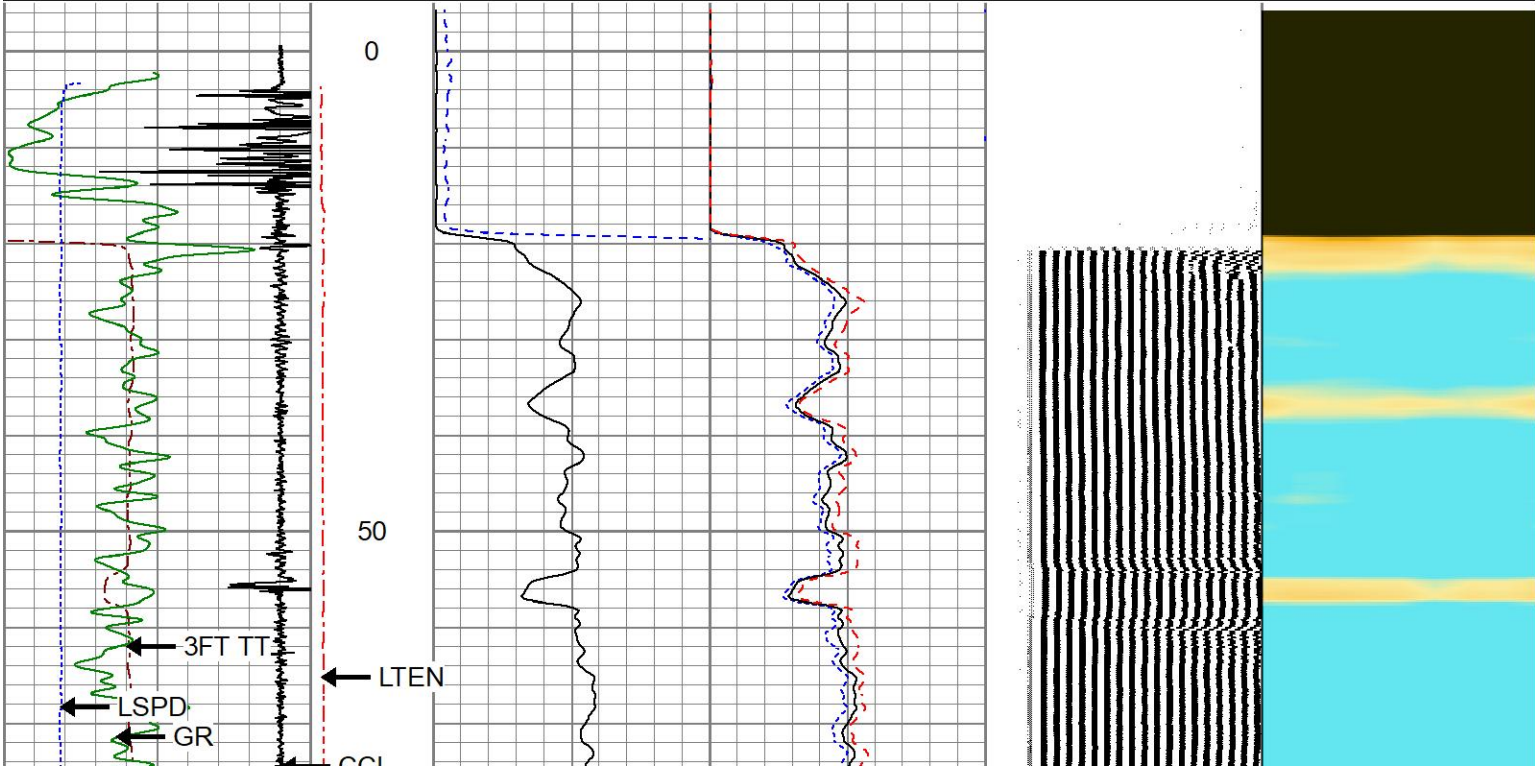


## MAIN PASS

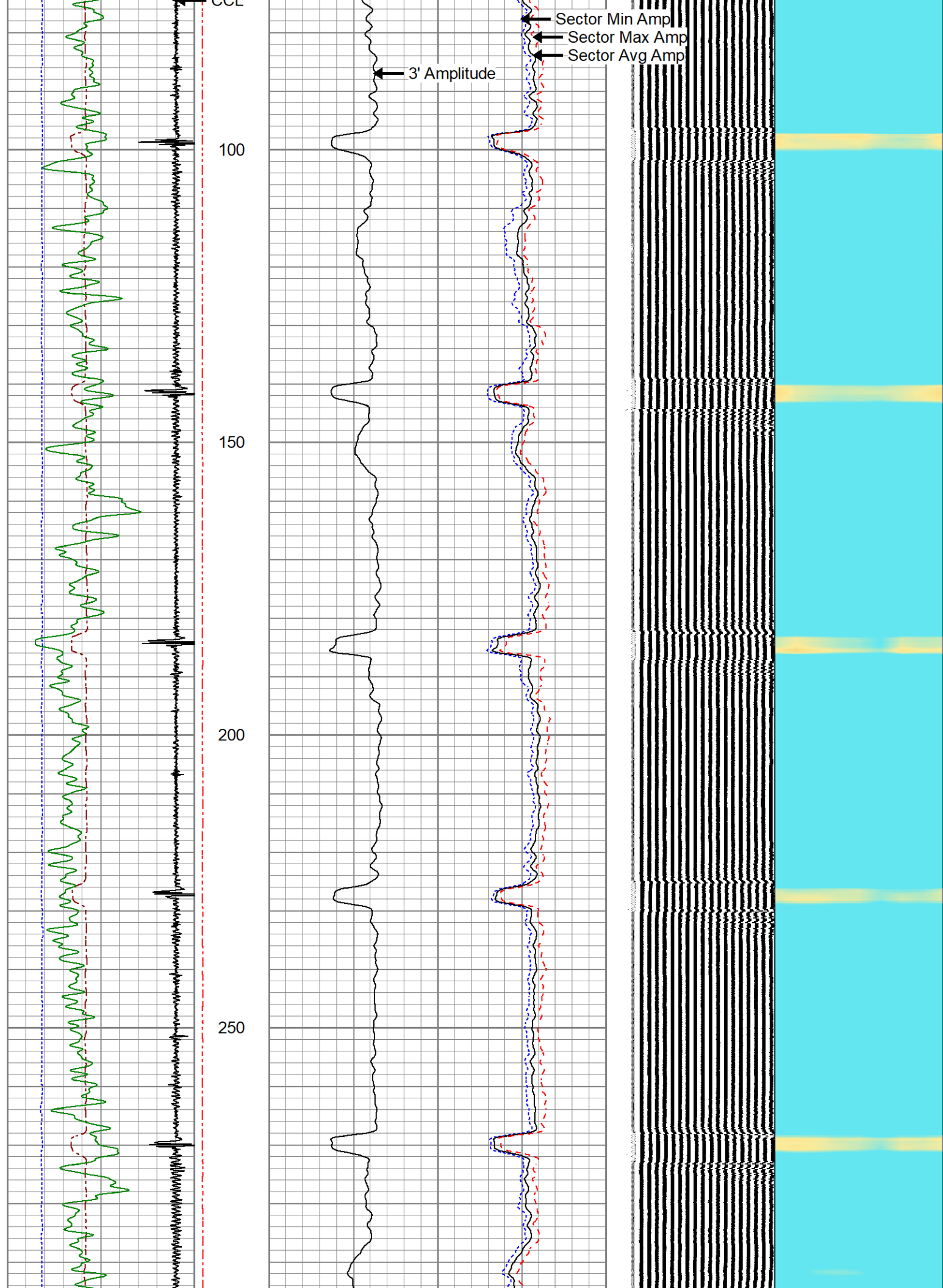
0 PSI APPLIED AT SURFACE

Database File 568771\_occidental\_meganstateh15-32d\_0512334854\_20230713\_scbl.db  
Dataset Pathname pass3  
Presentation Format res\_scbl 8sec  
Dataset Creation Thu Jul 13 07:05:55 2023  
Charted by Depth in Feet scaled 1:240

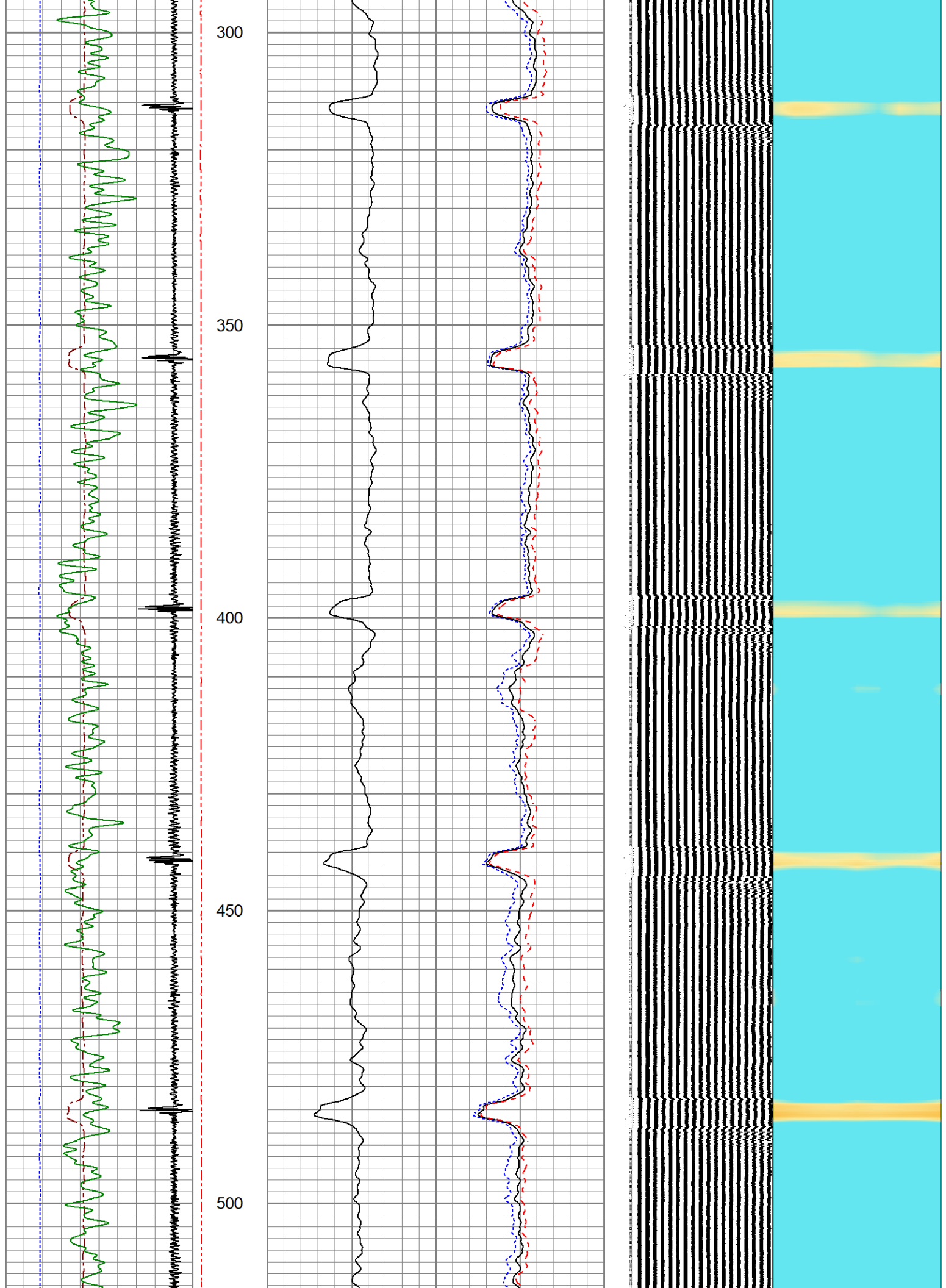
280 3FT TT (usec) 180	LTEN	3' Amplitude	0 Sector Min Amp150	200 VDL (usec) 1200	1 Sector Map 8
-9 CCL 1	(lb)	(mV) 100	Sector Avg Amp		
0 GR (GAPI) 150	0 2000	3' Amplified Amplitude X 5	0 150		
-150 LSPD (ft/min) 150		(mV) 20	Sector Max Amp		
			0 150		

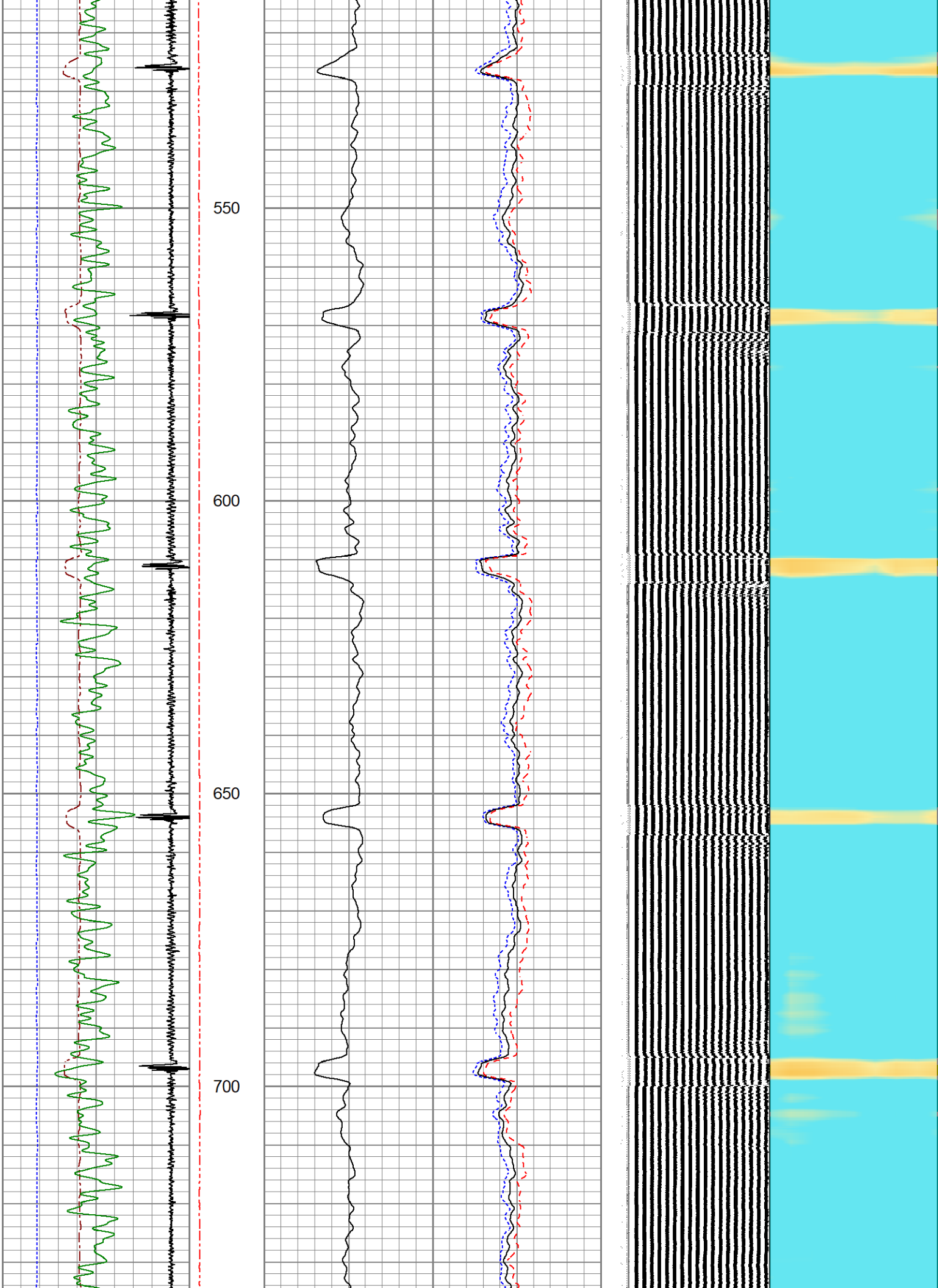


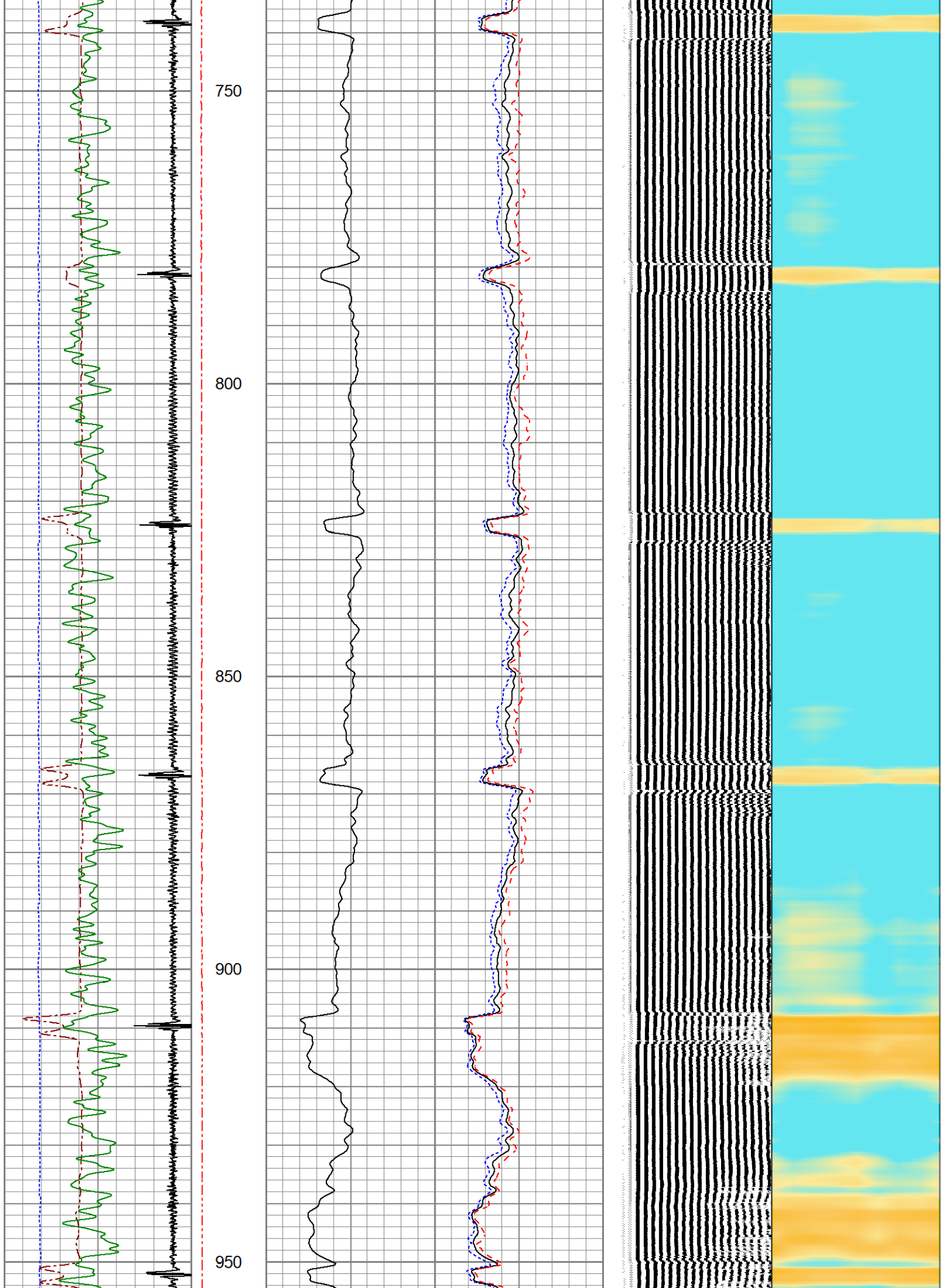




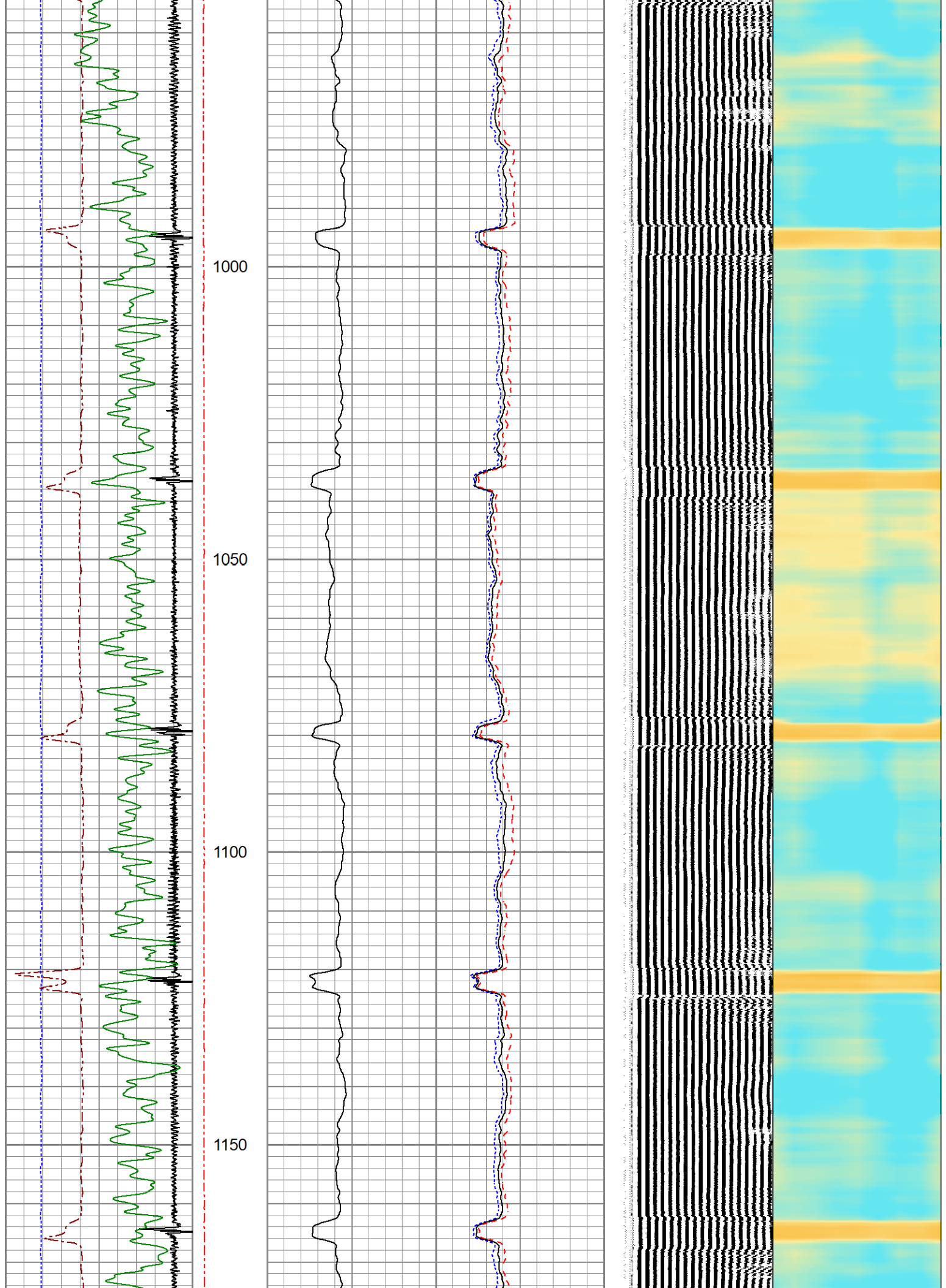


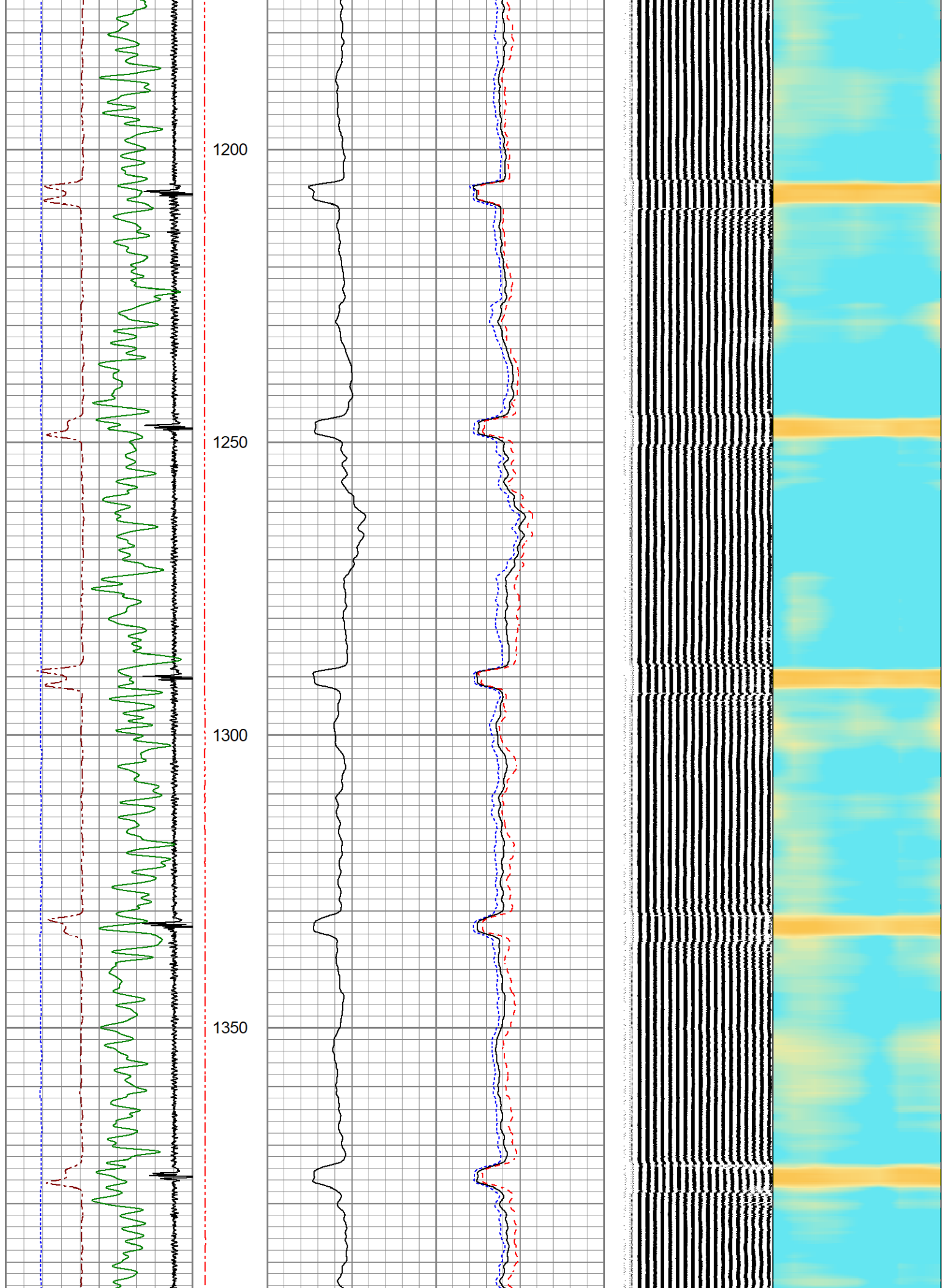


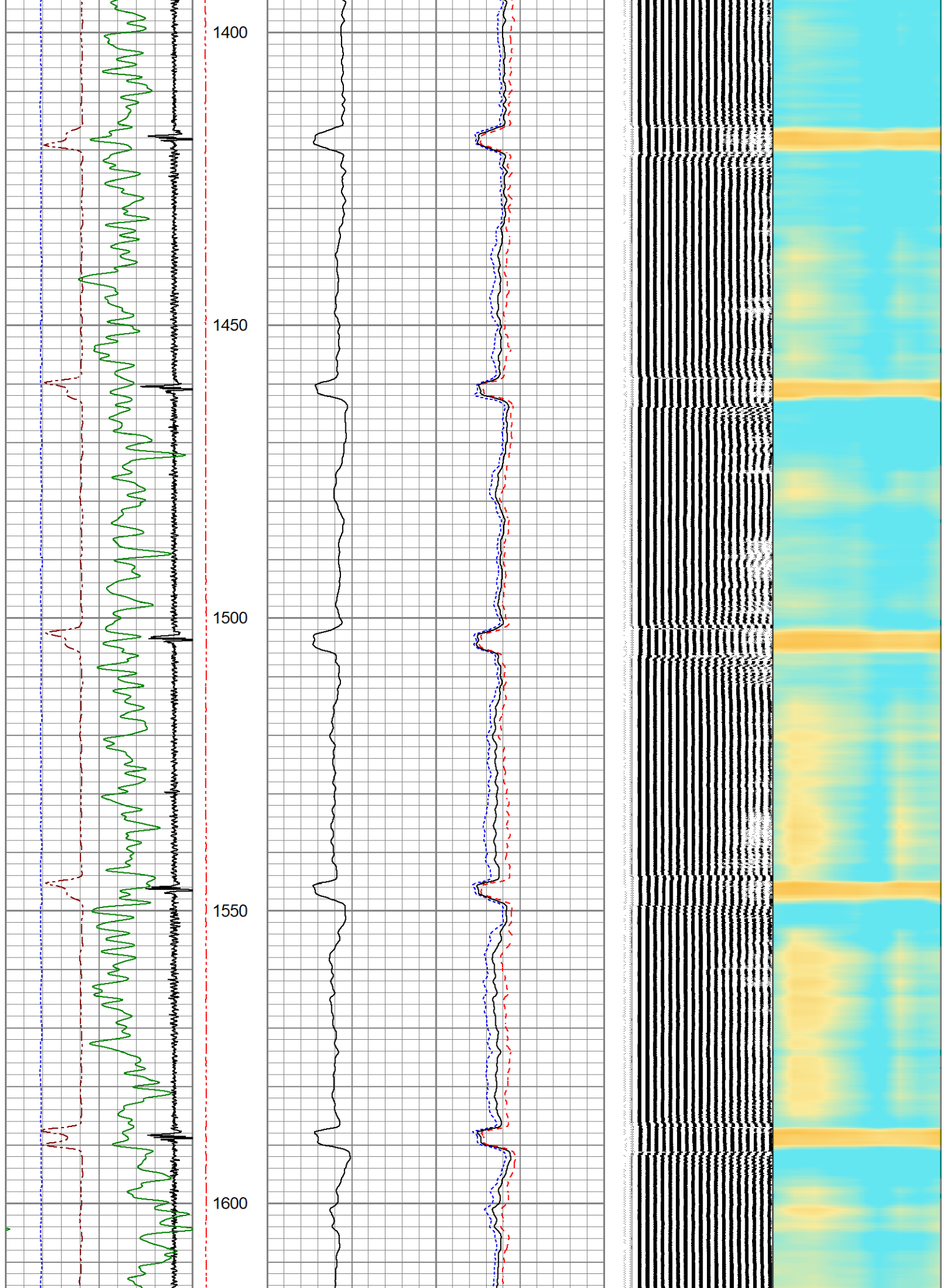




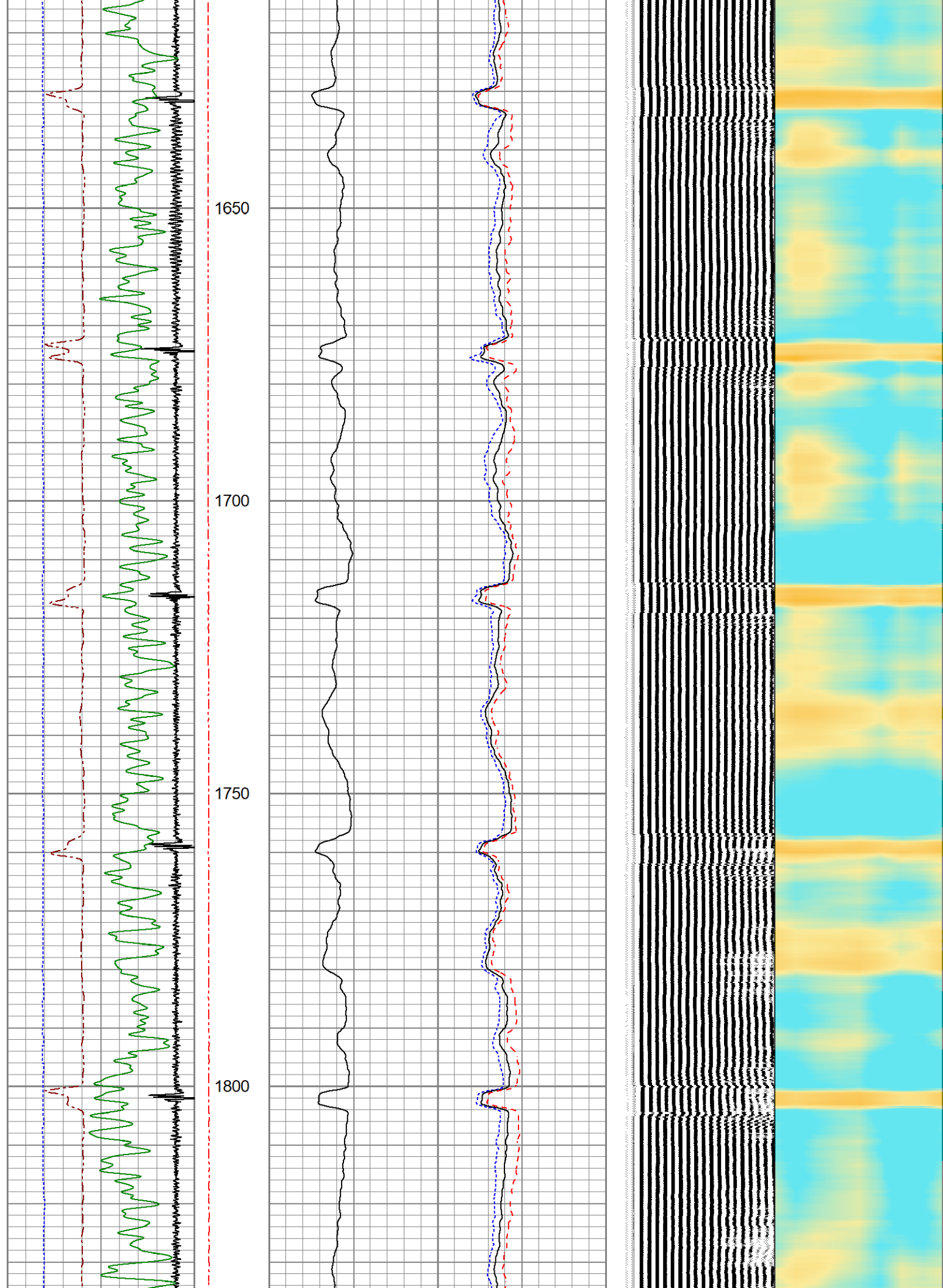


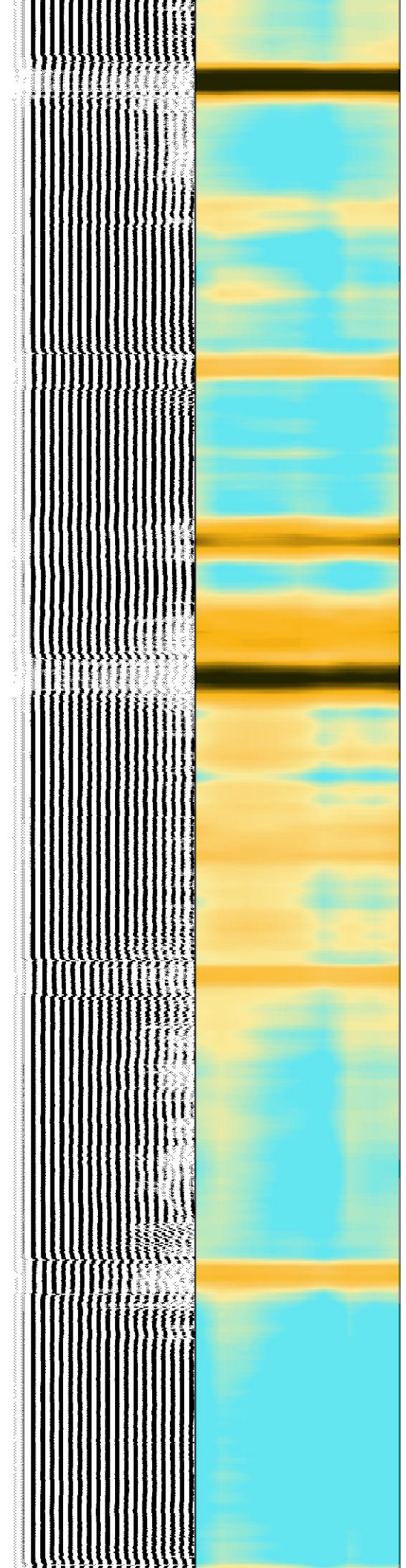
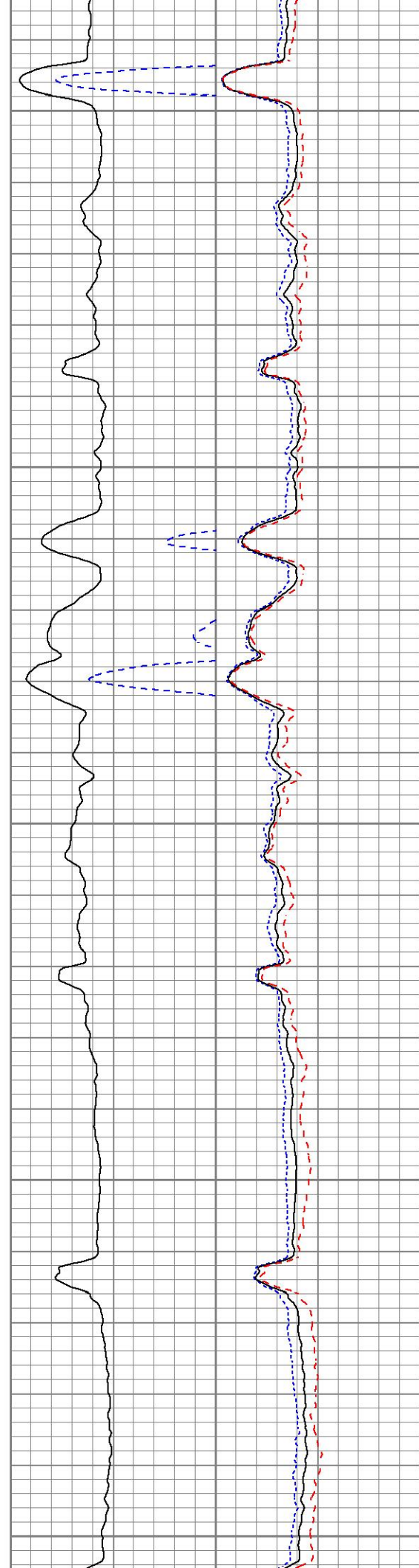
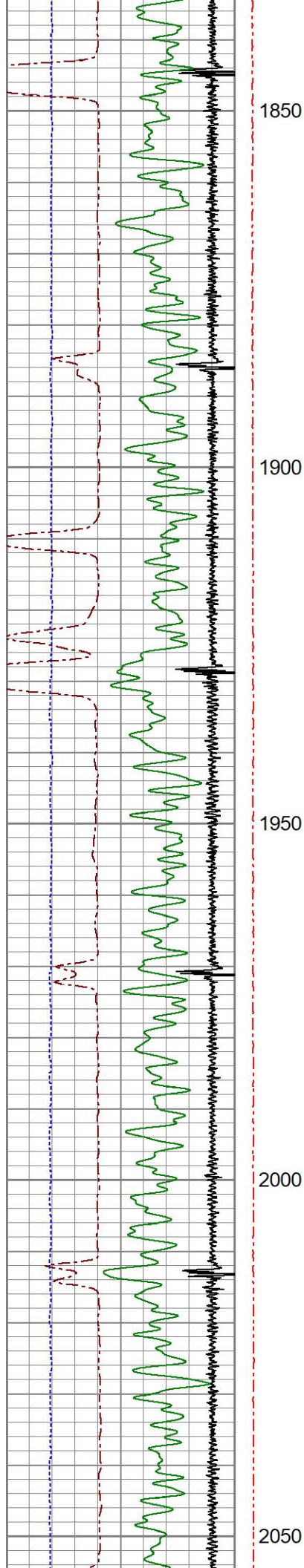




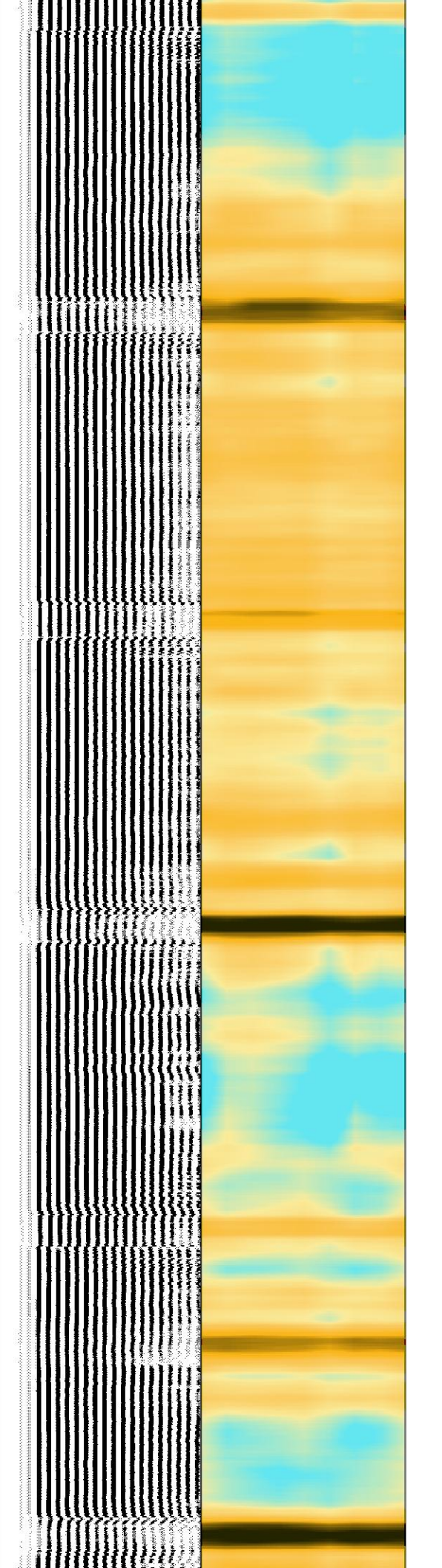
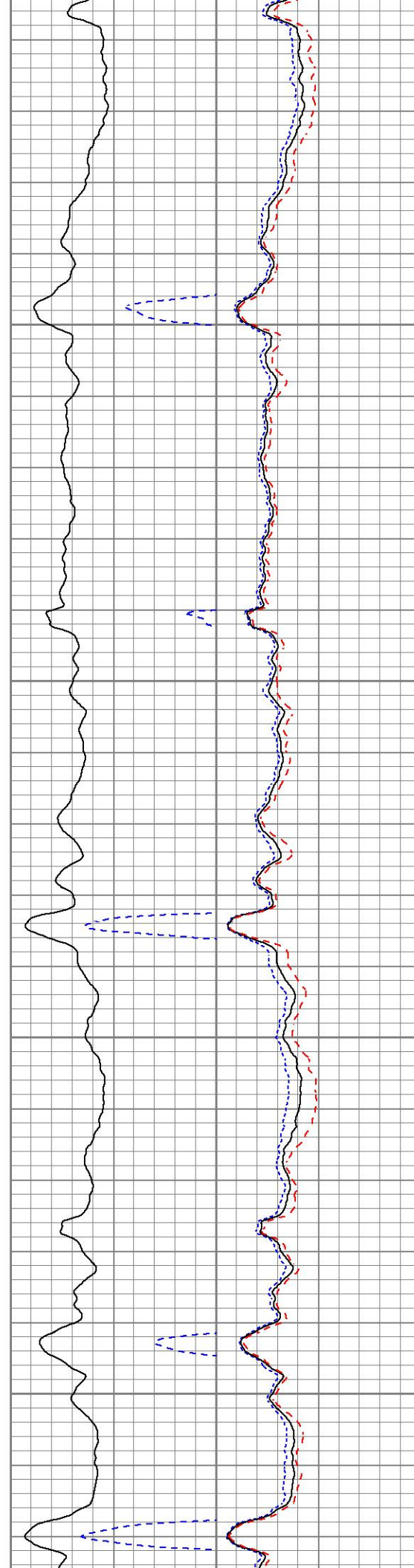
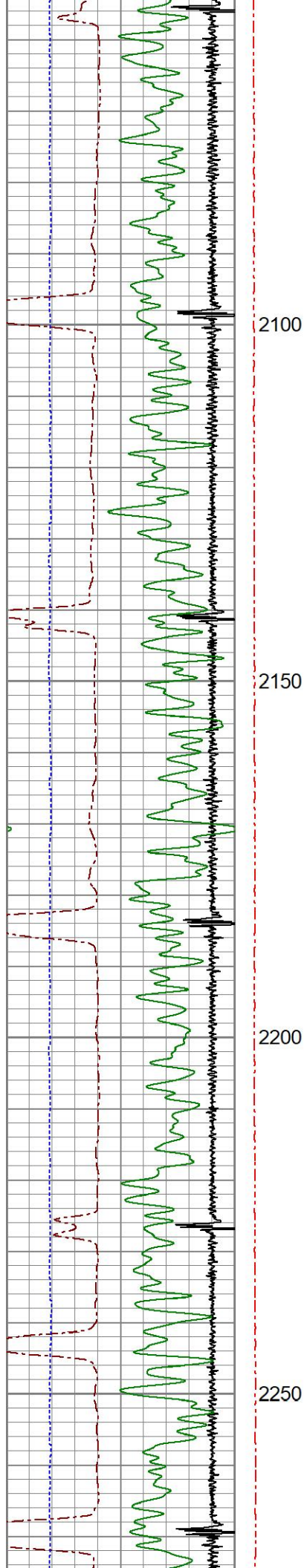




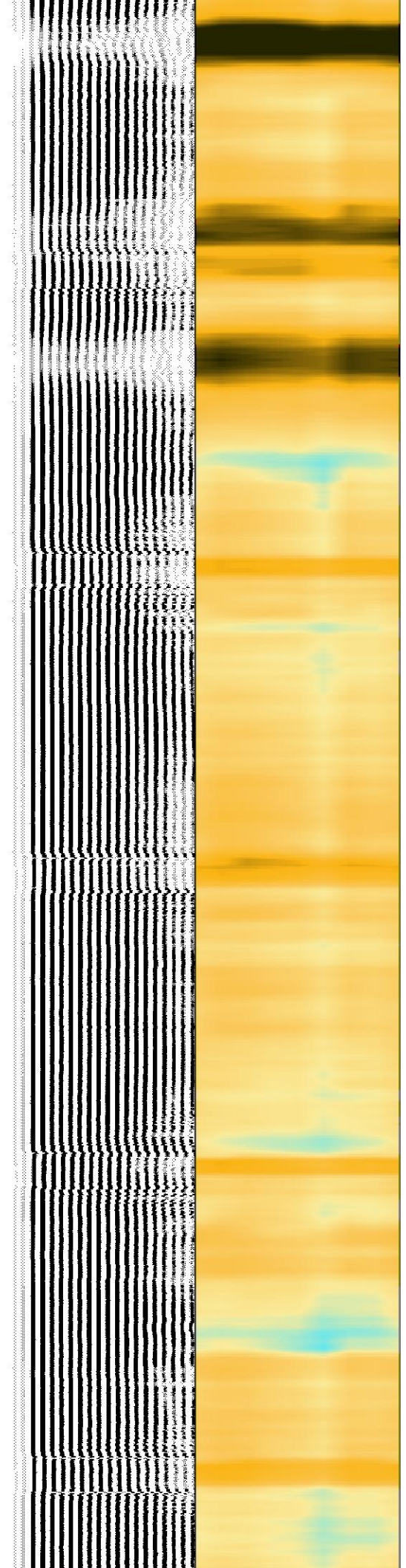
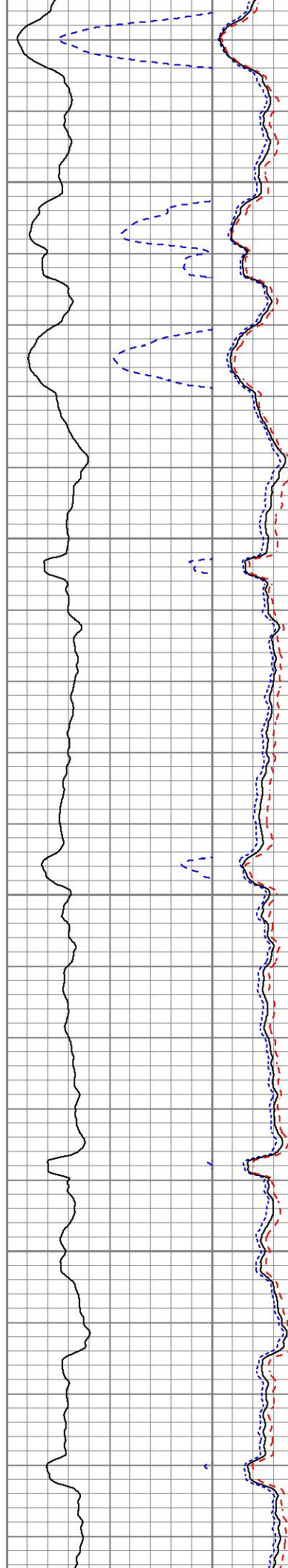
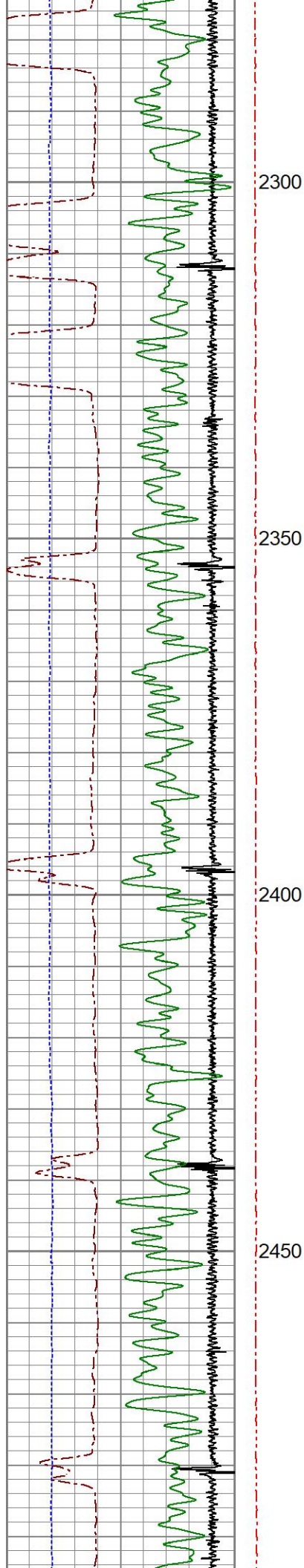


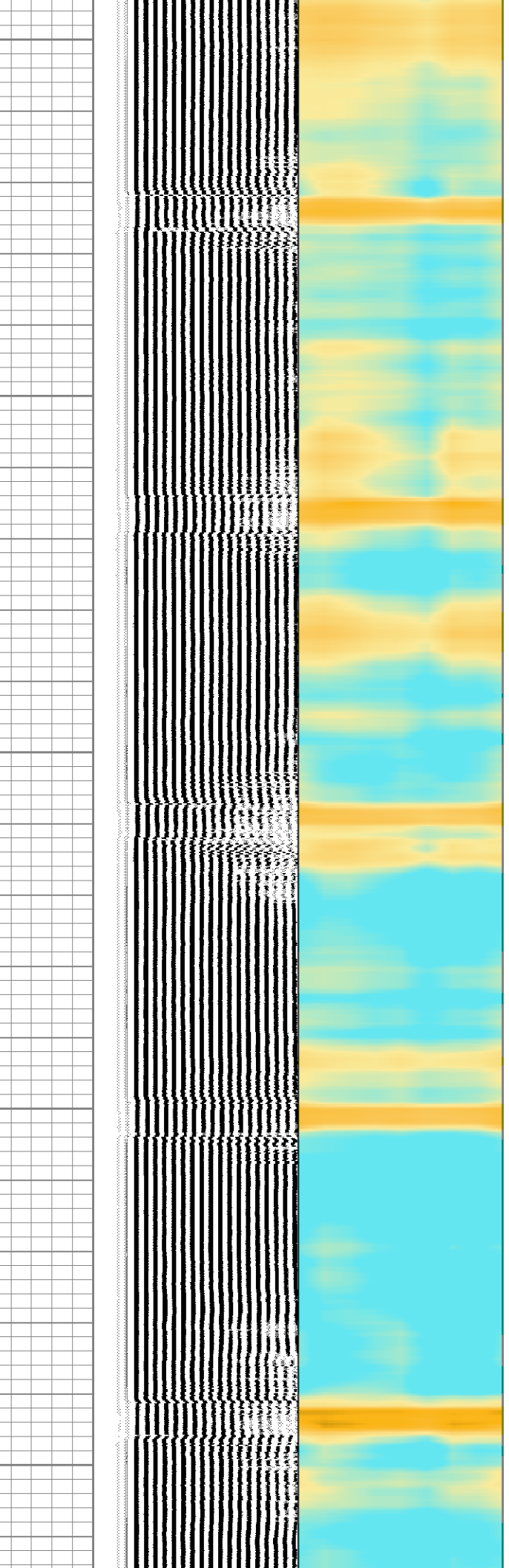
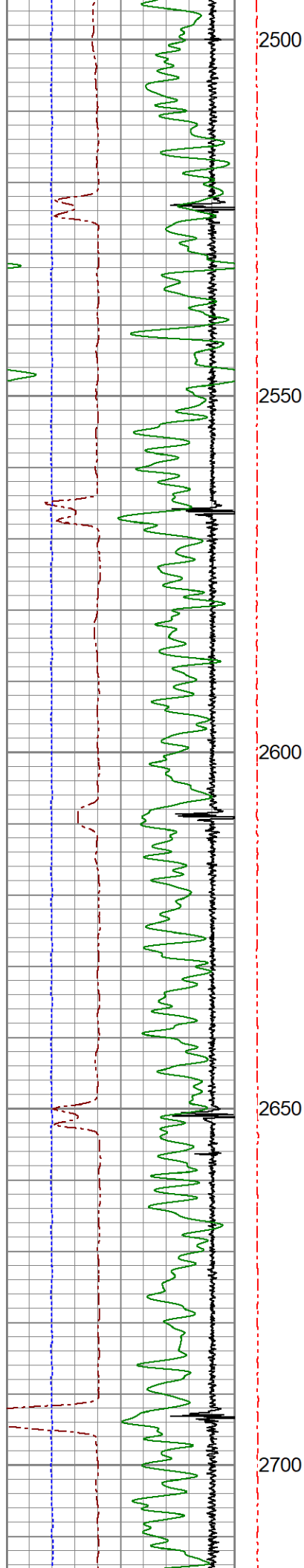




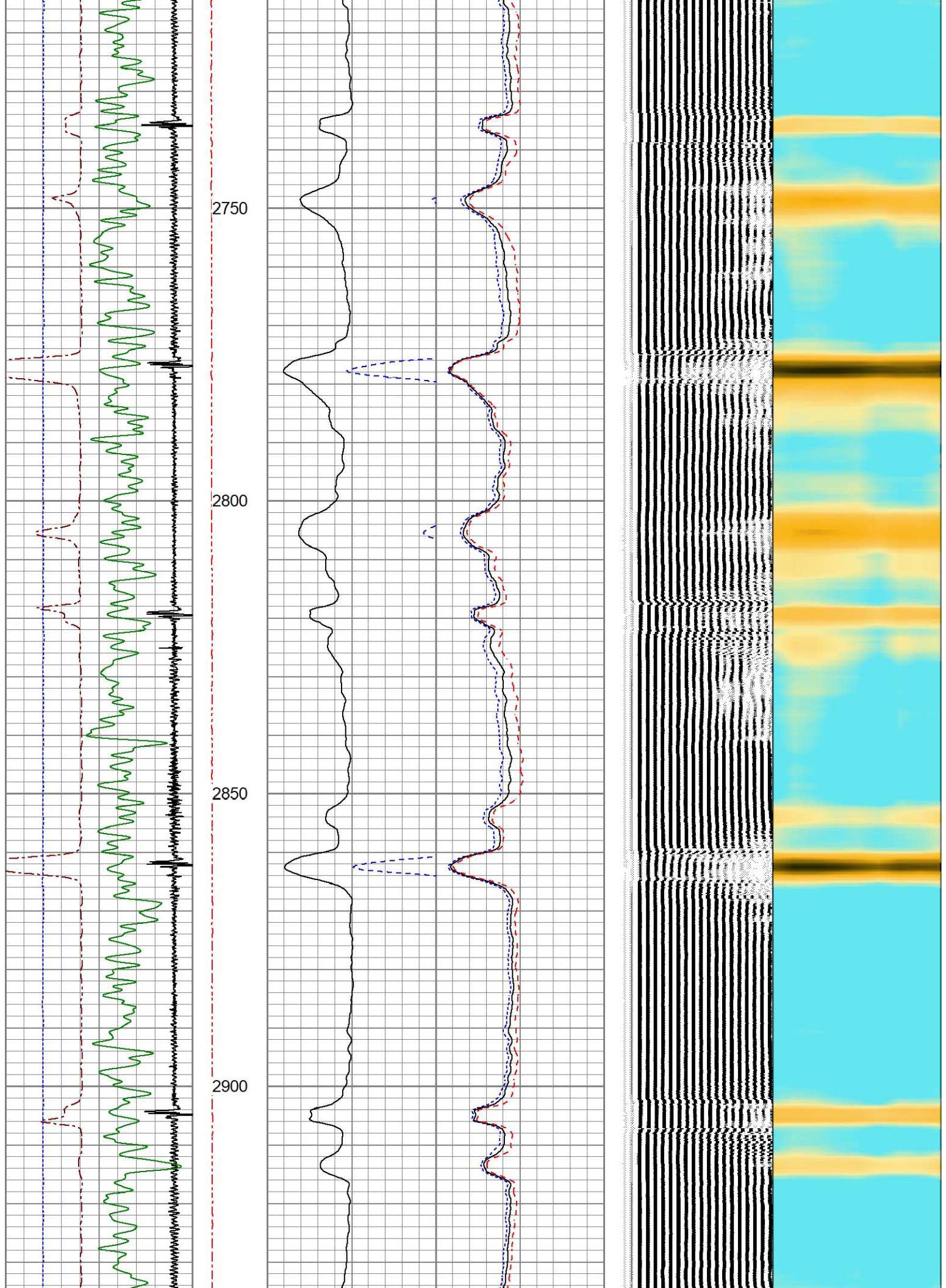




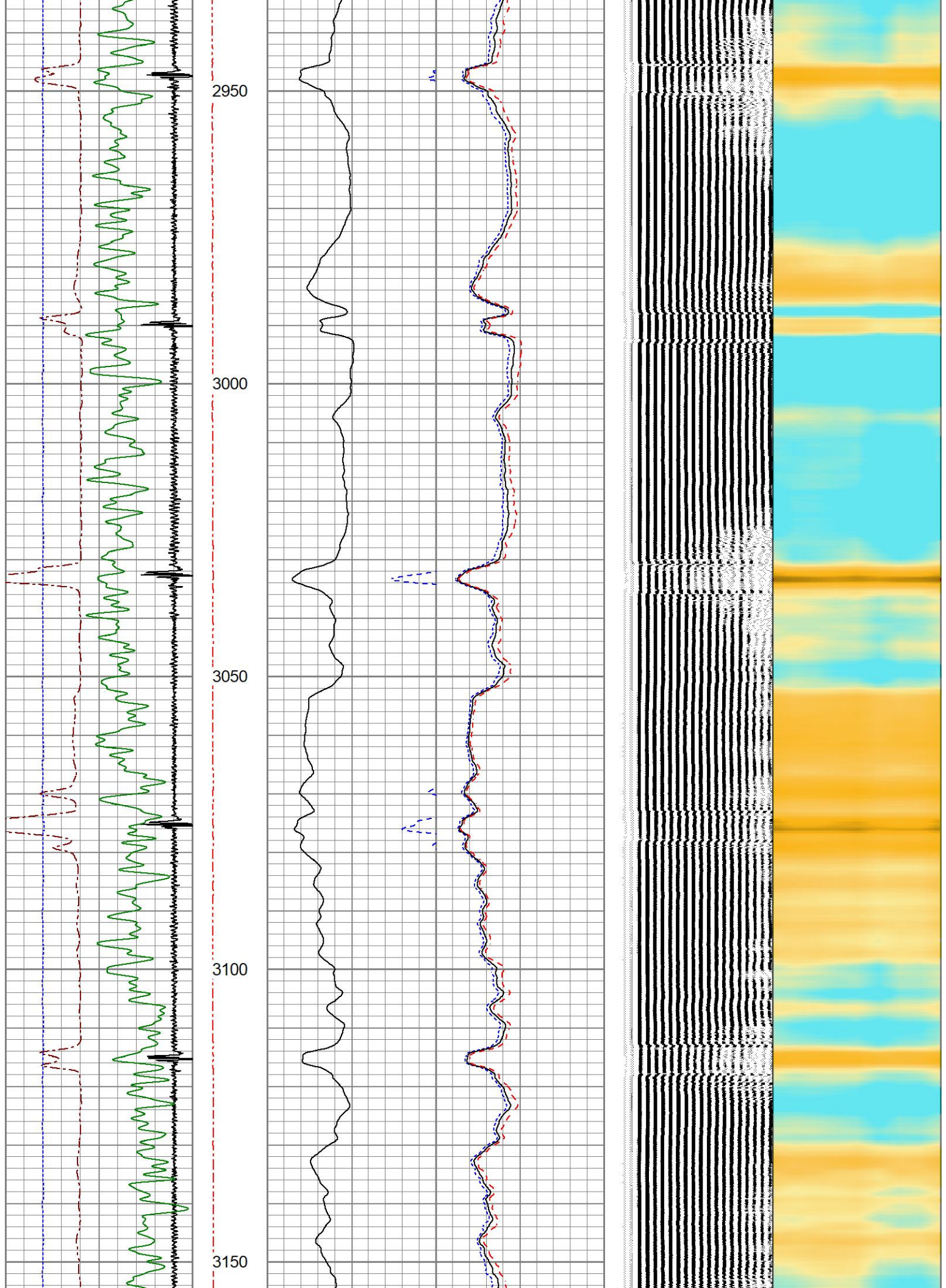




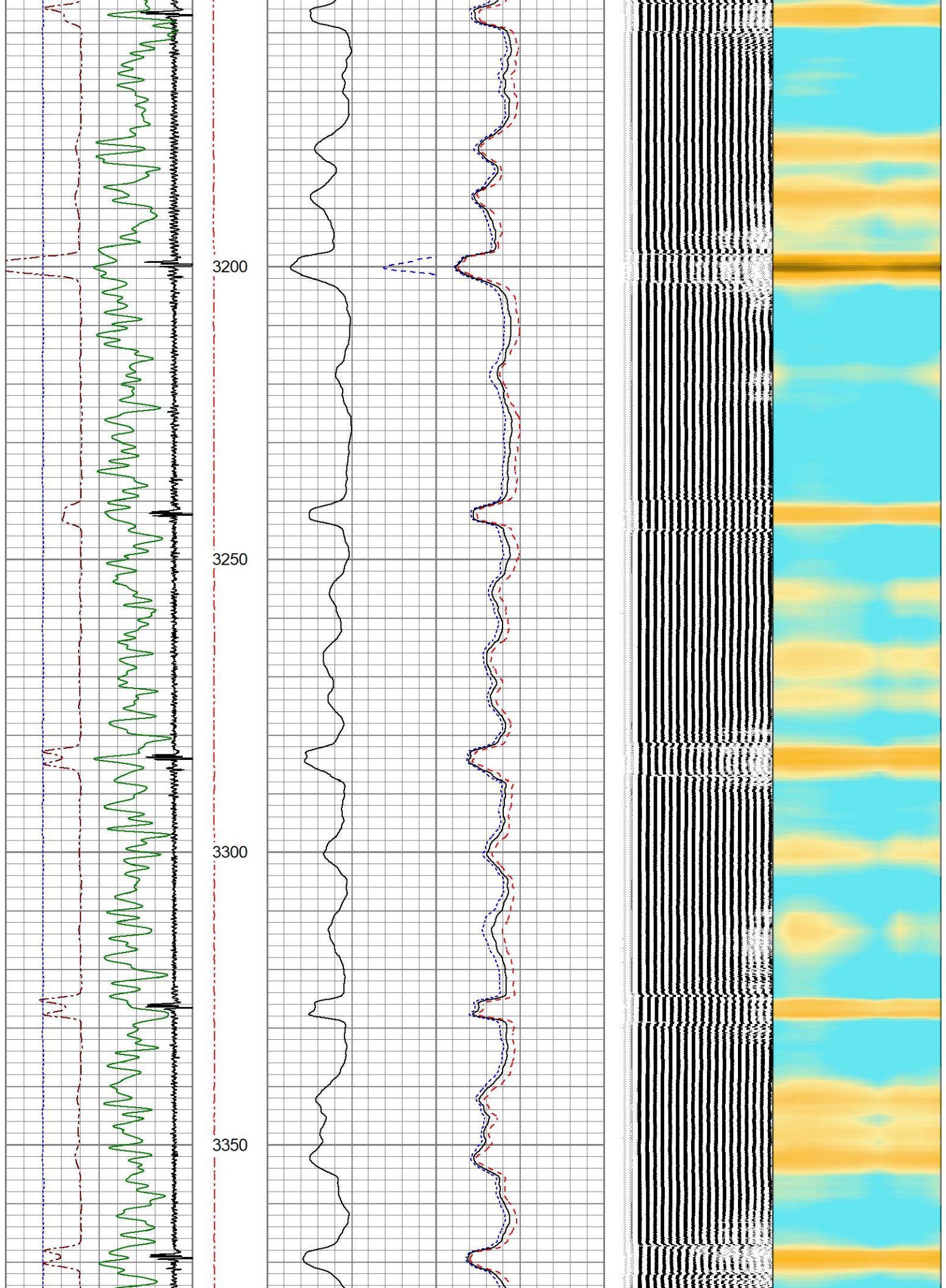




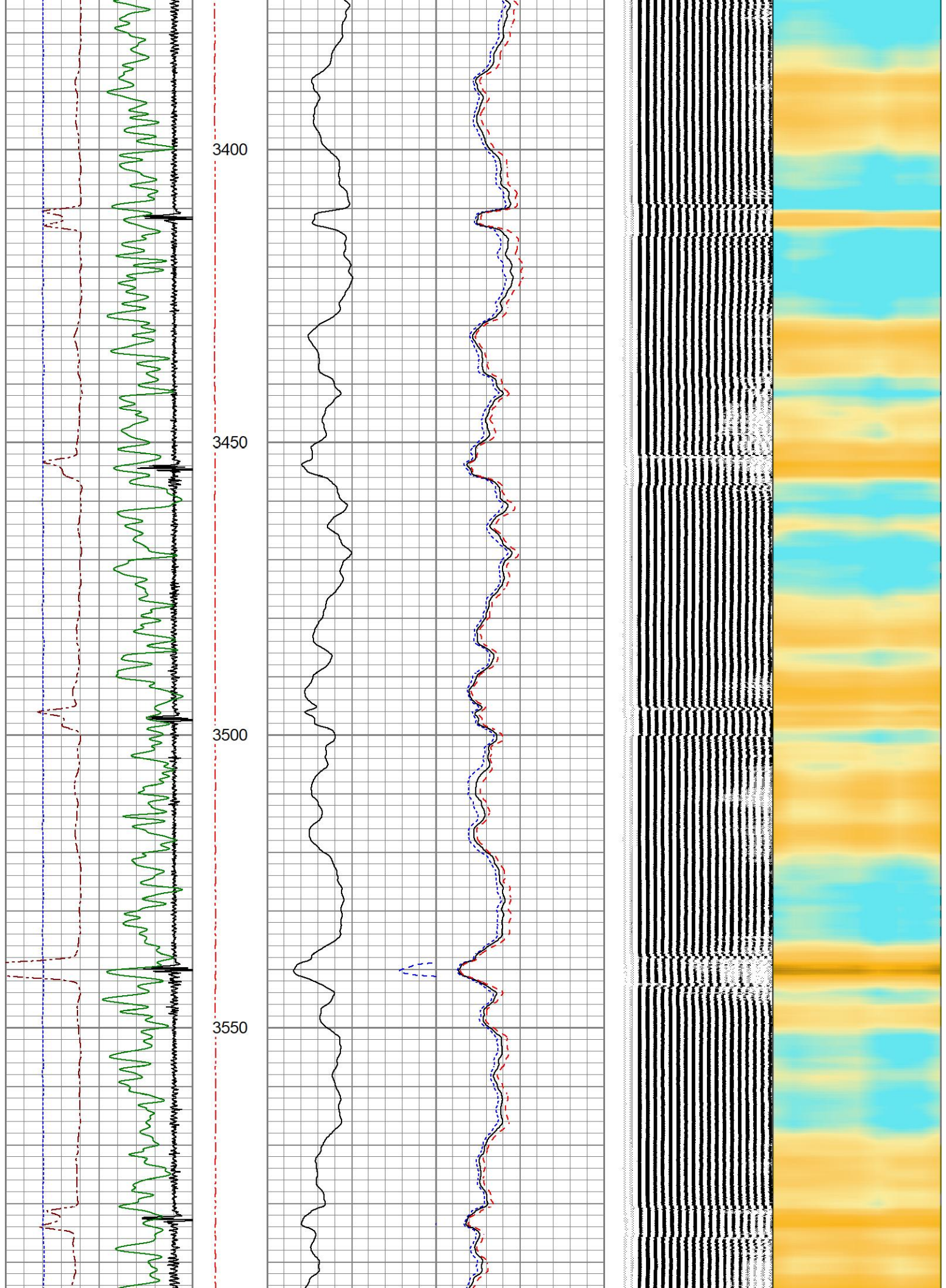




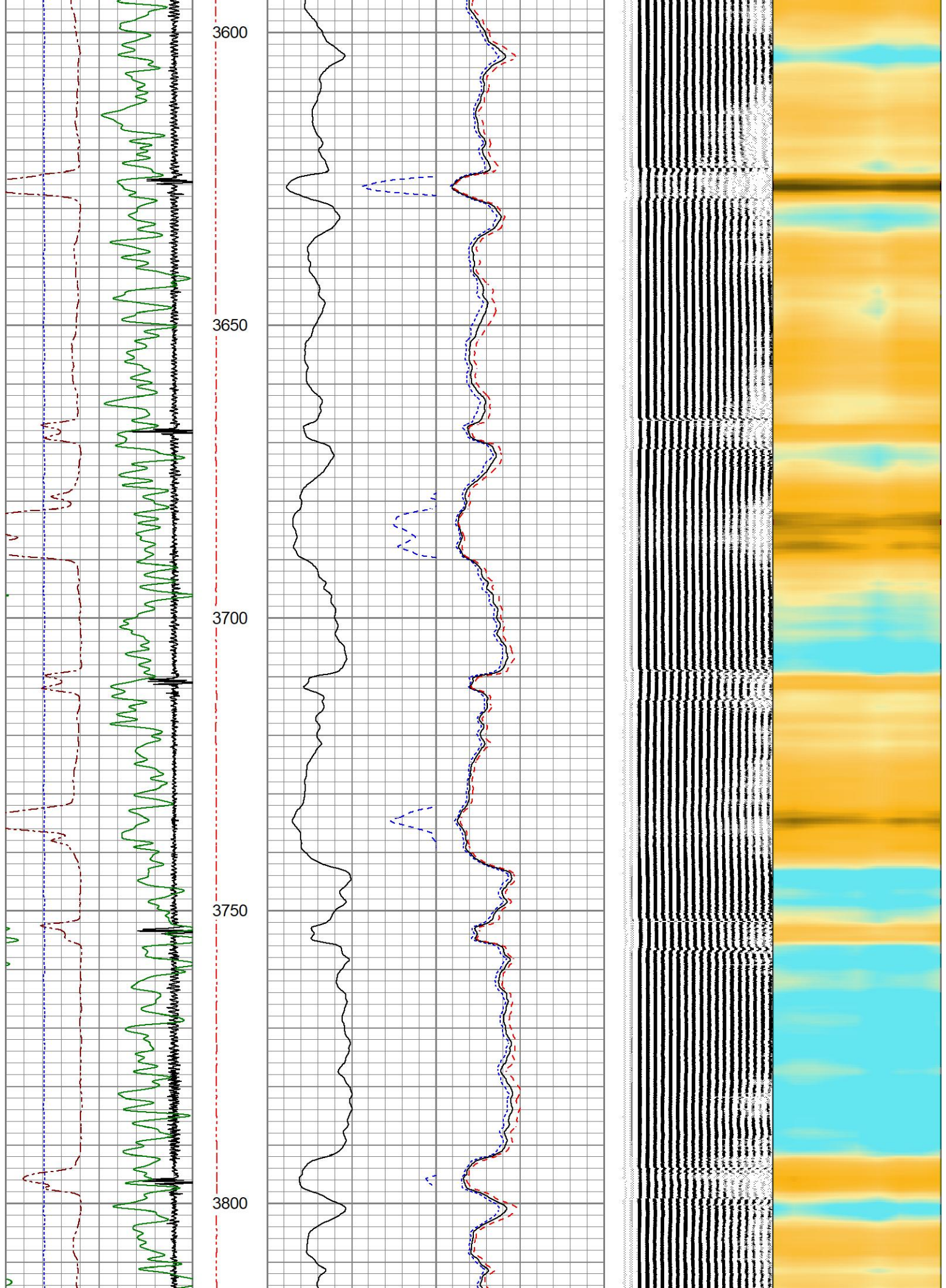




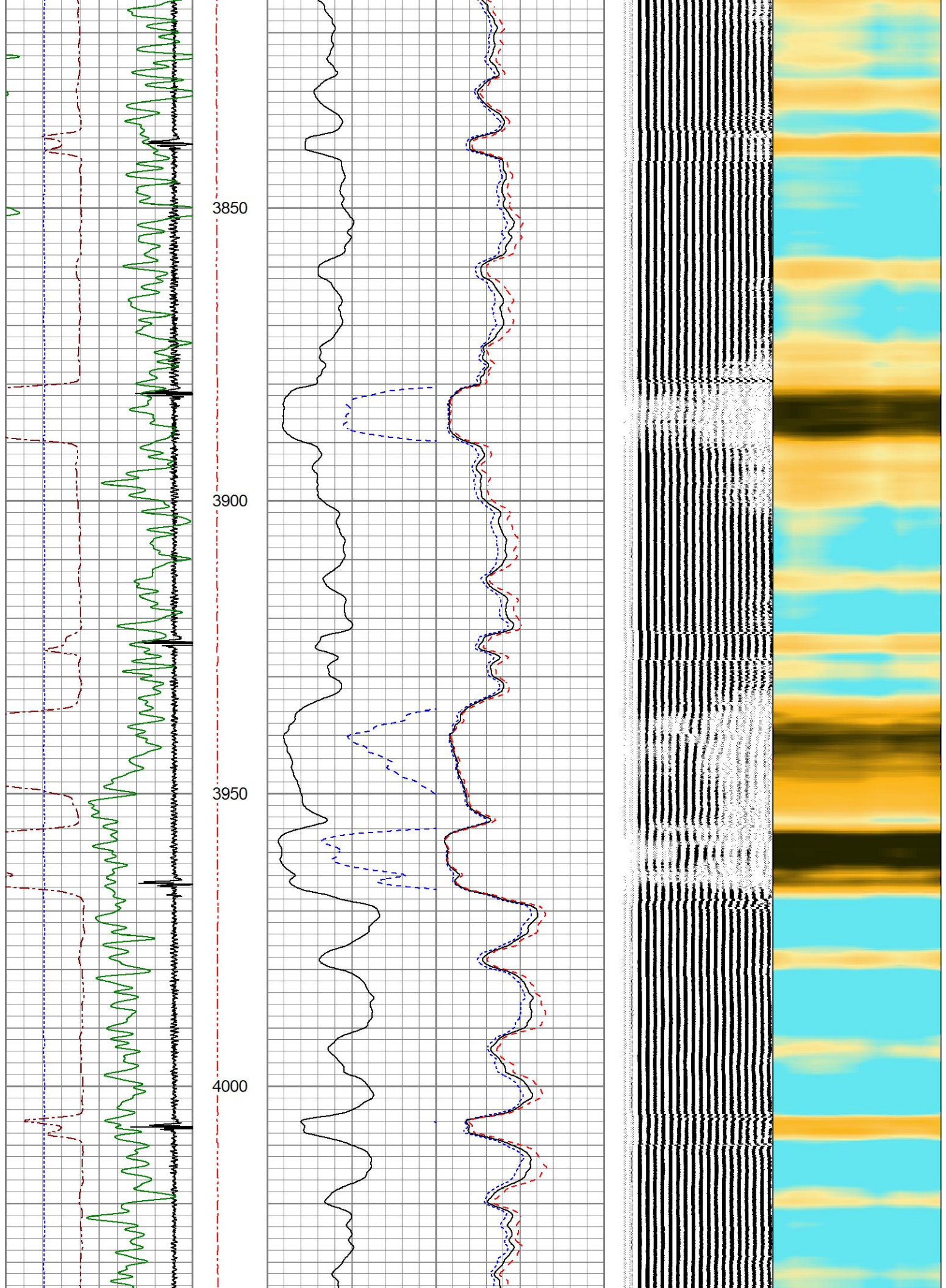




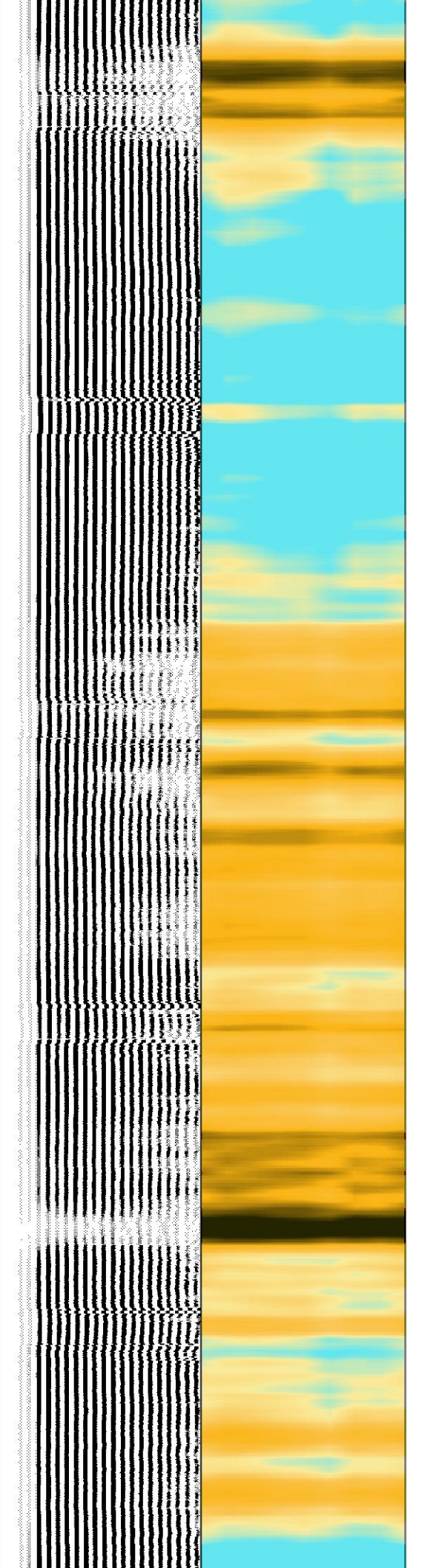
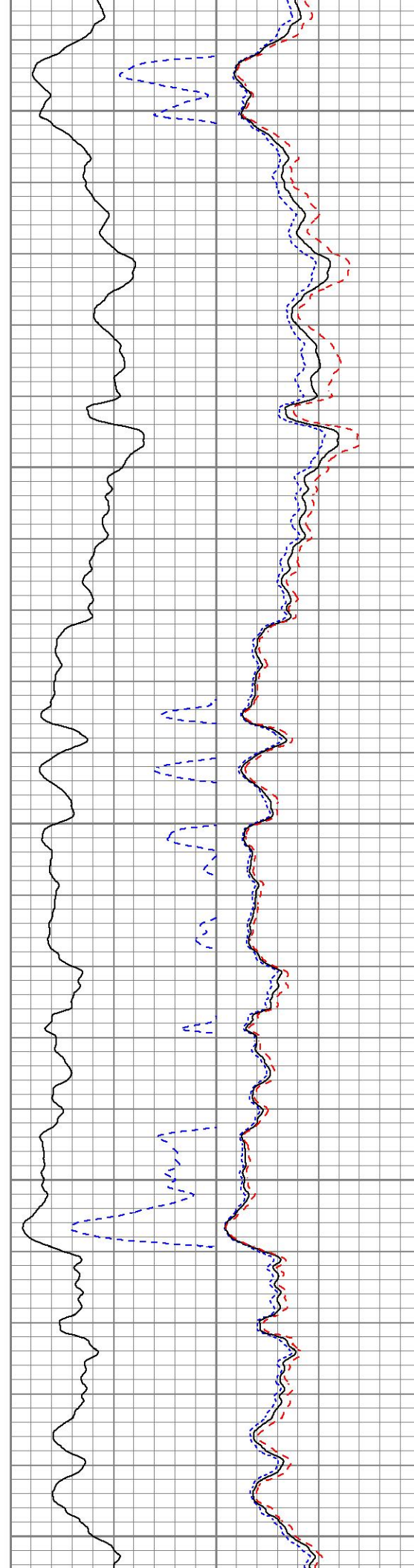
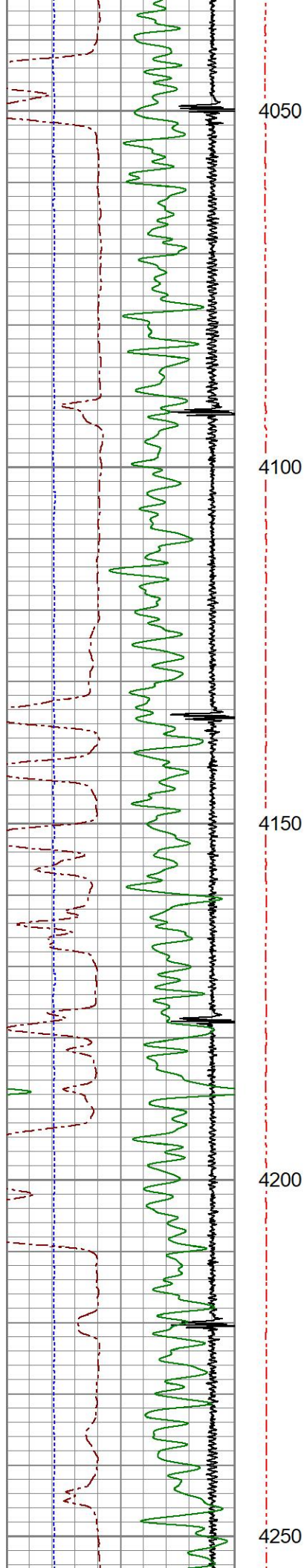




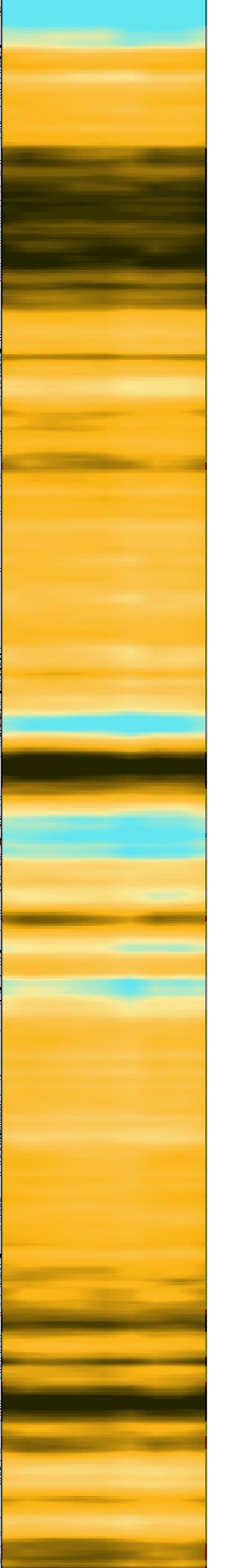
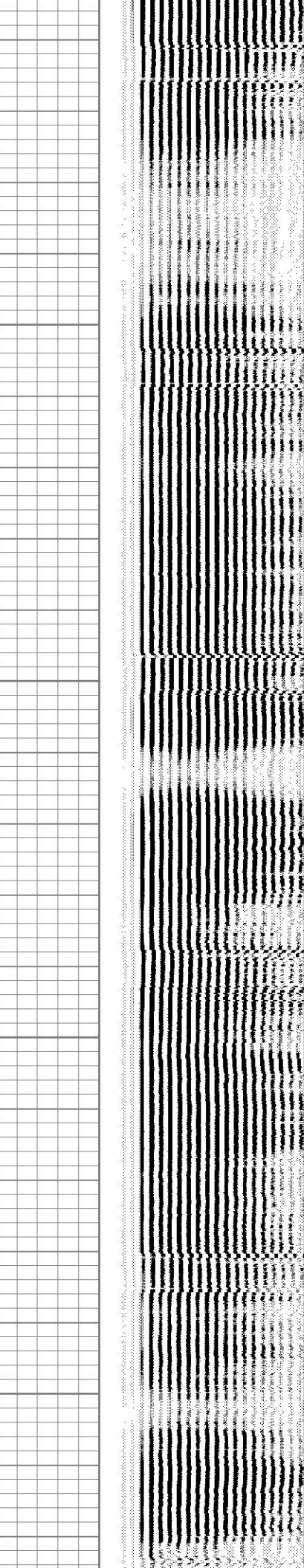
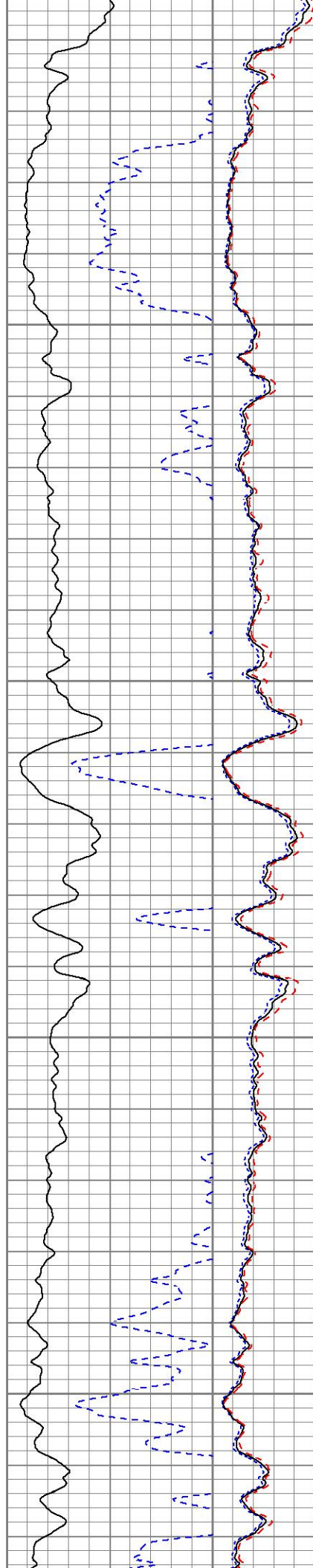
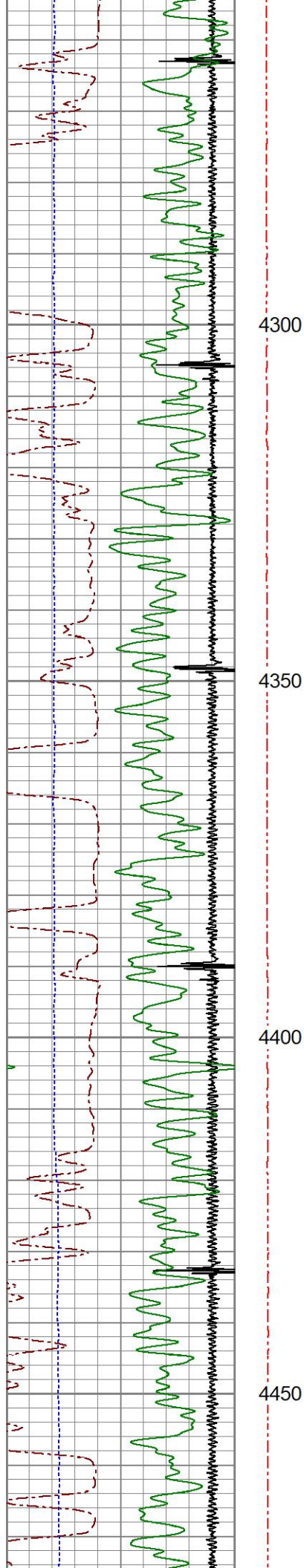




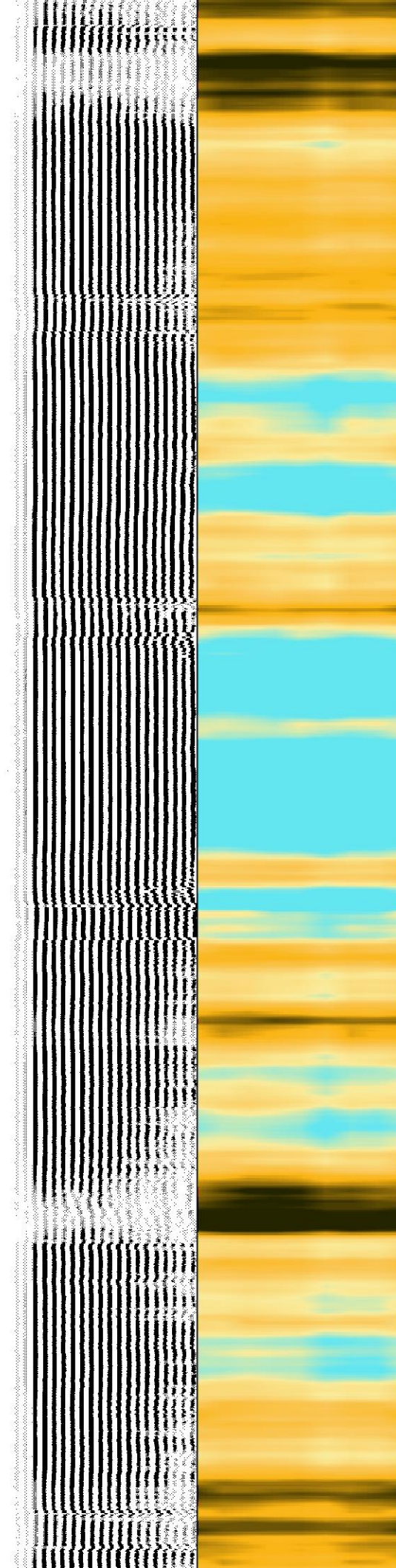
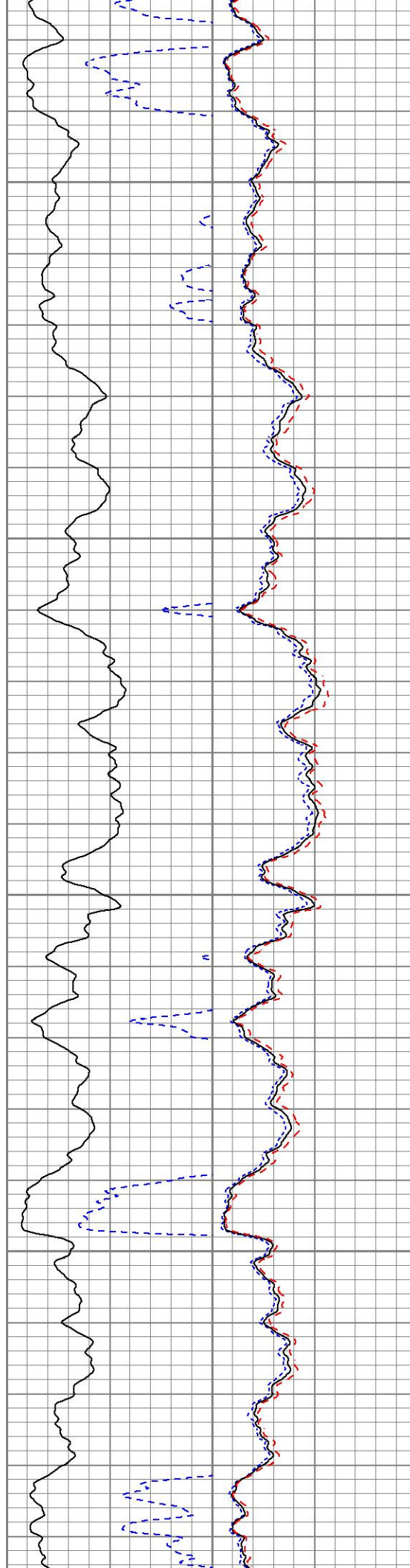
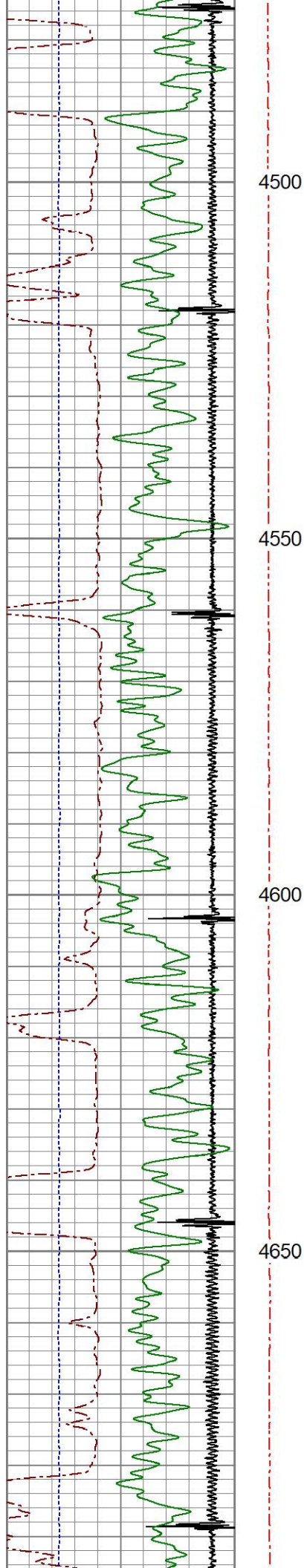




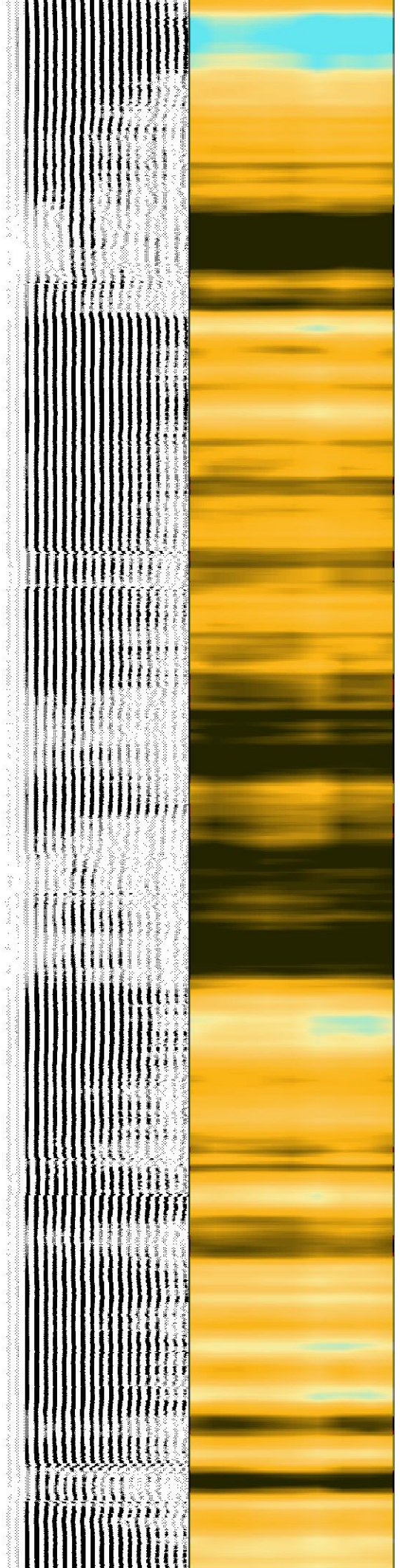
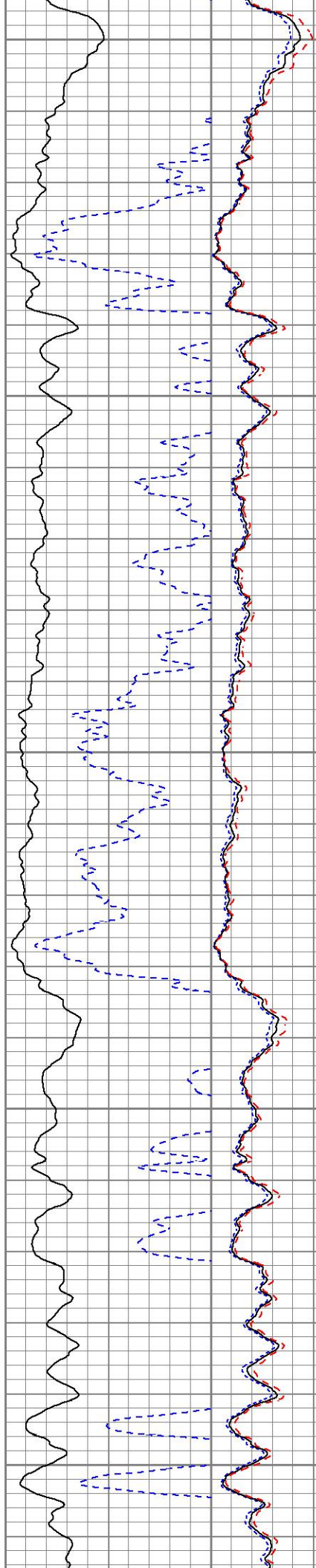
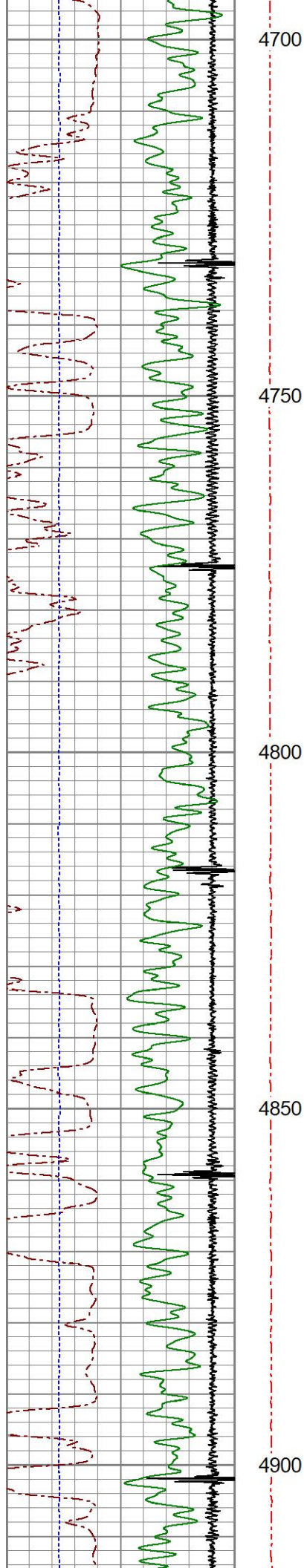




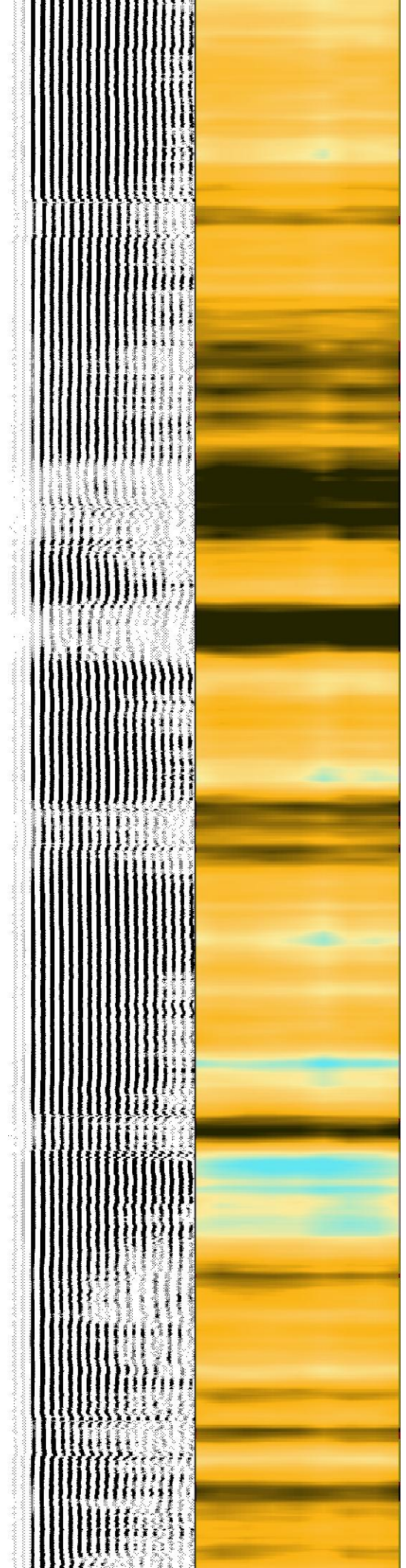
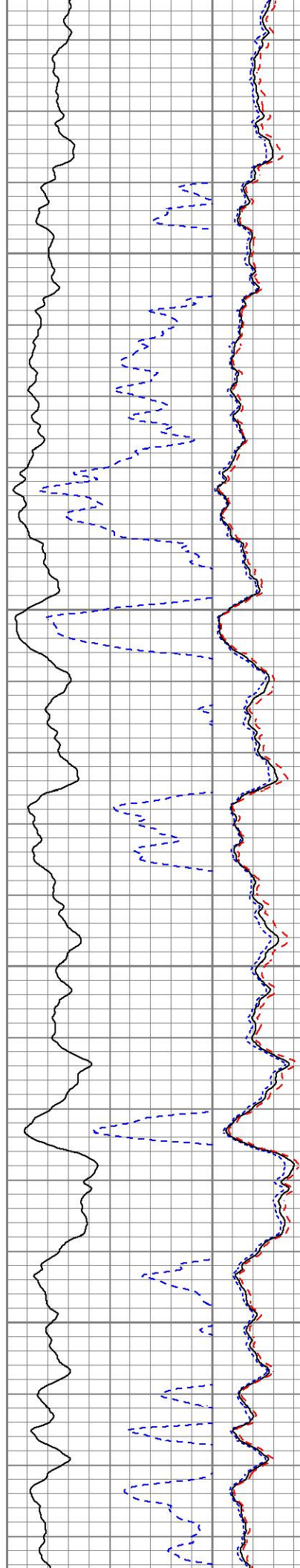
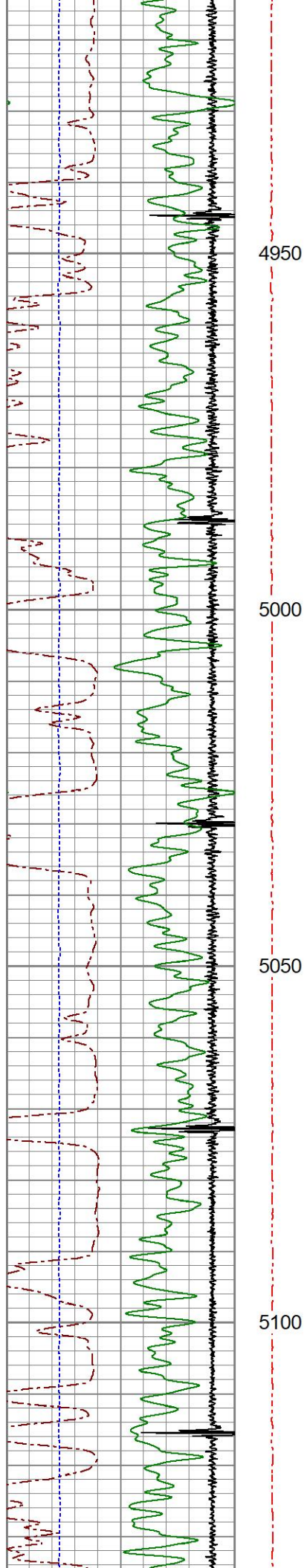




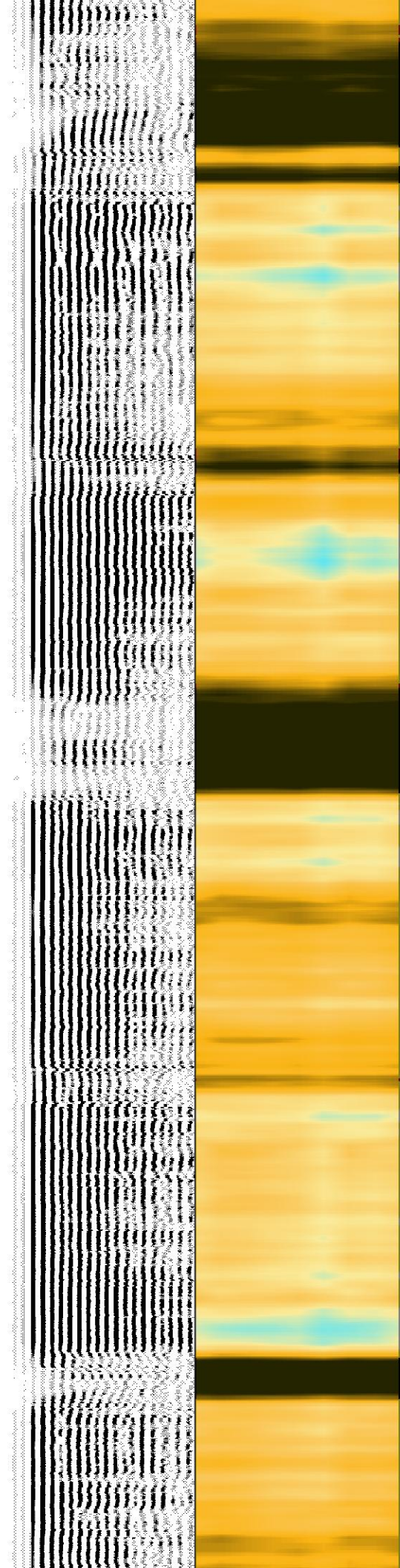
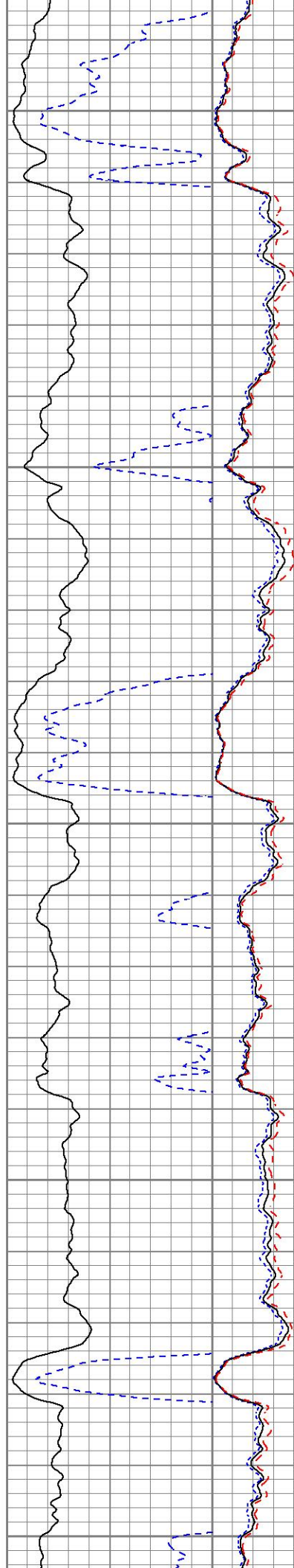
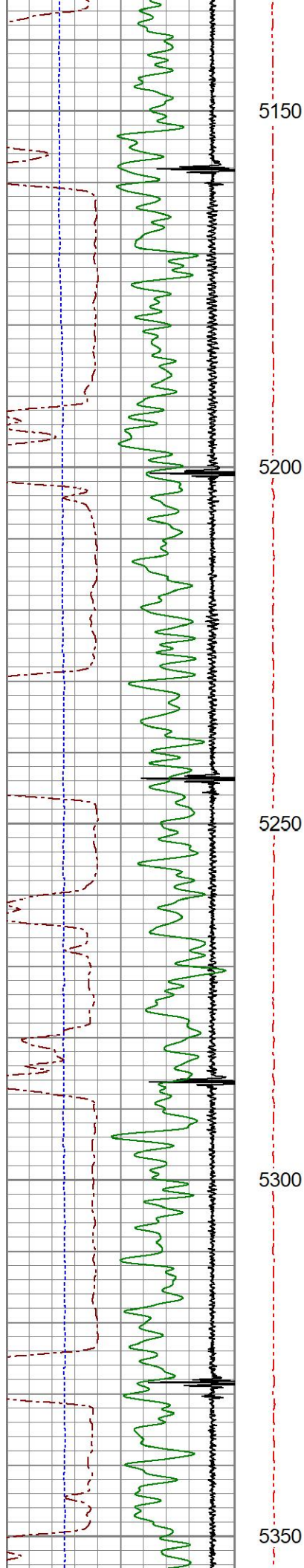




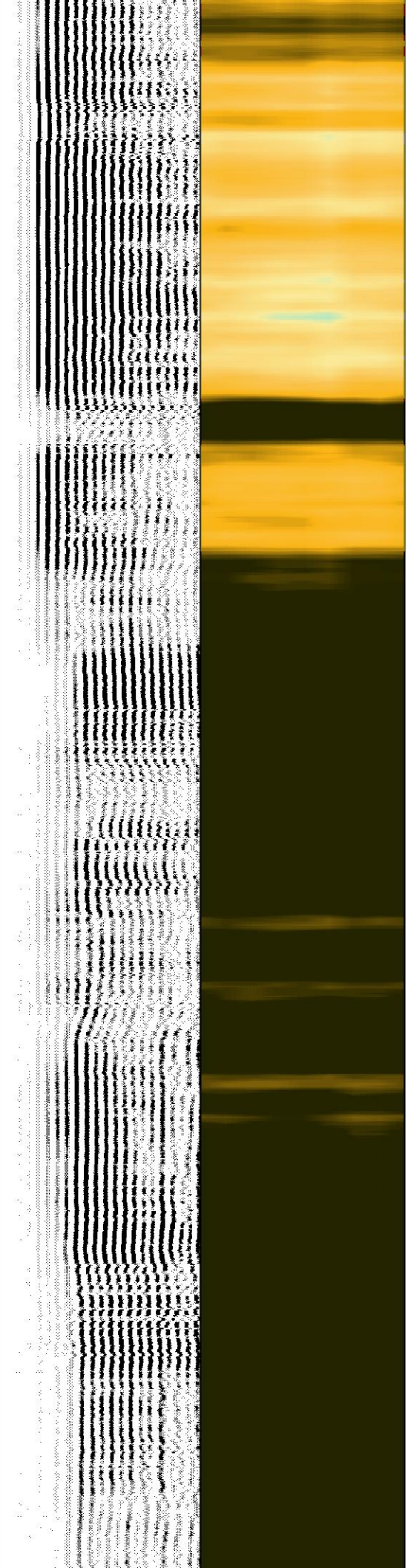
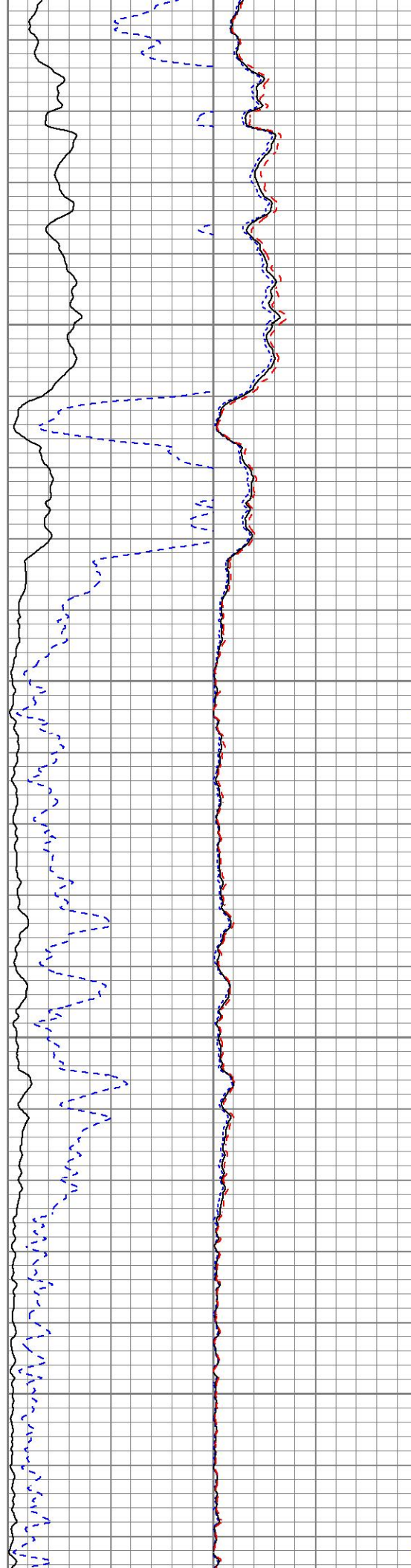
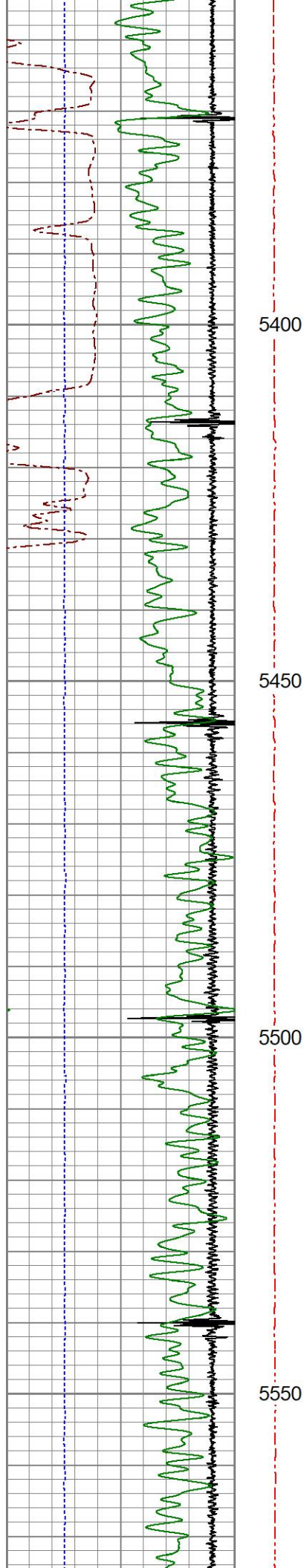


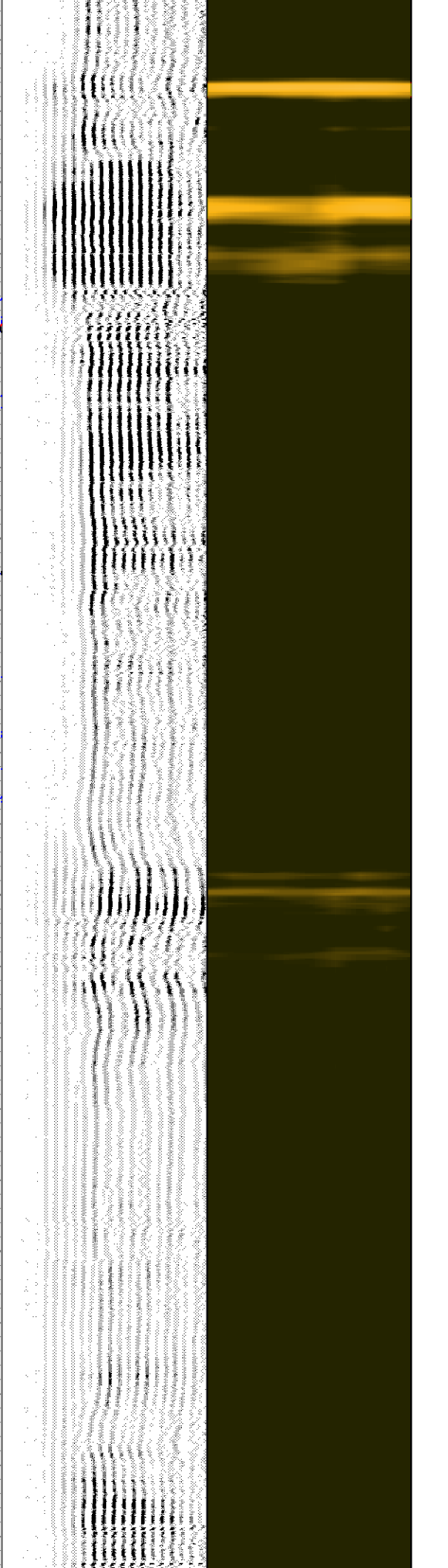
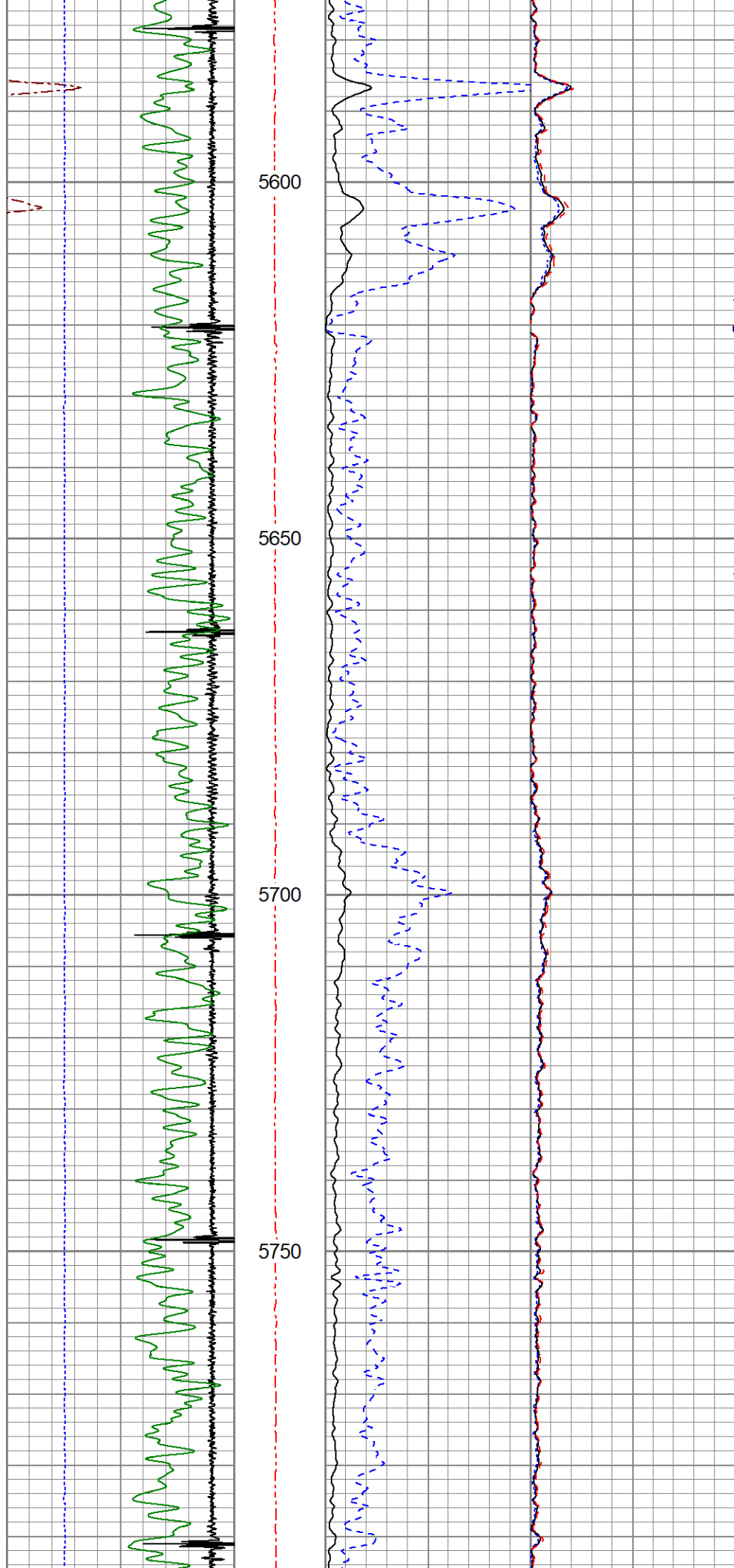




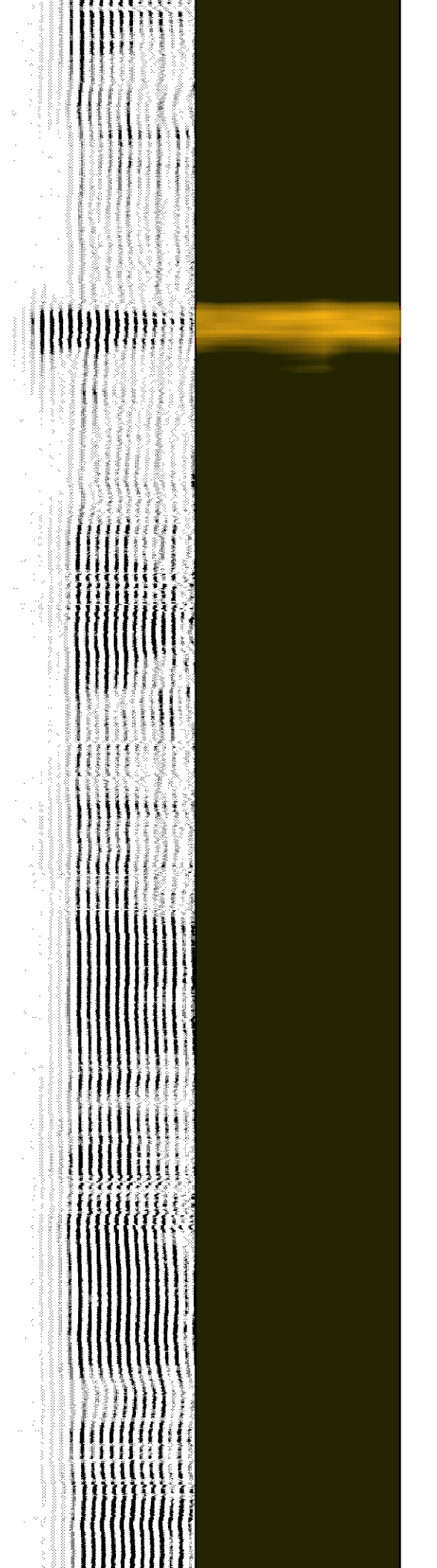
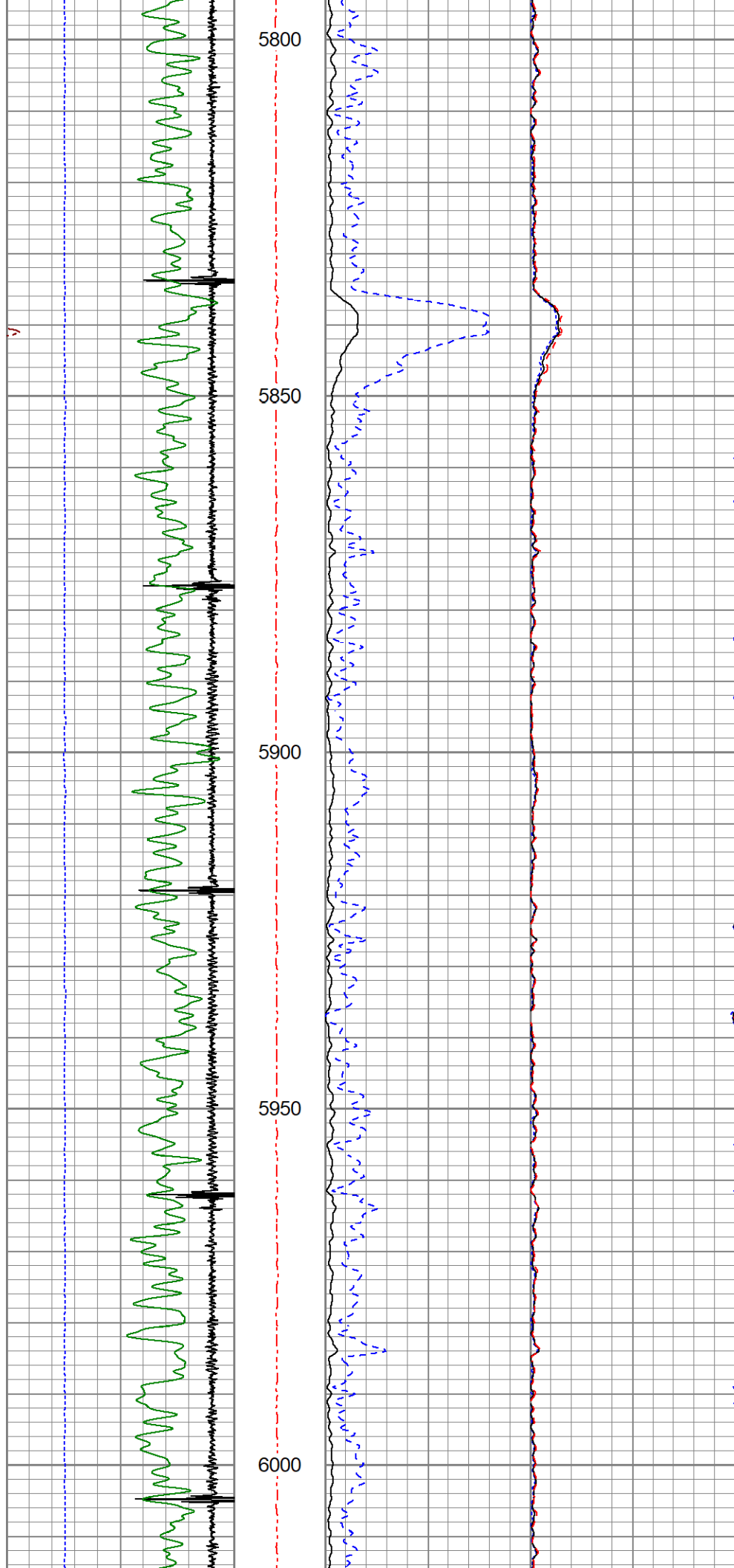


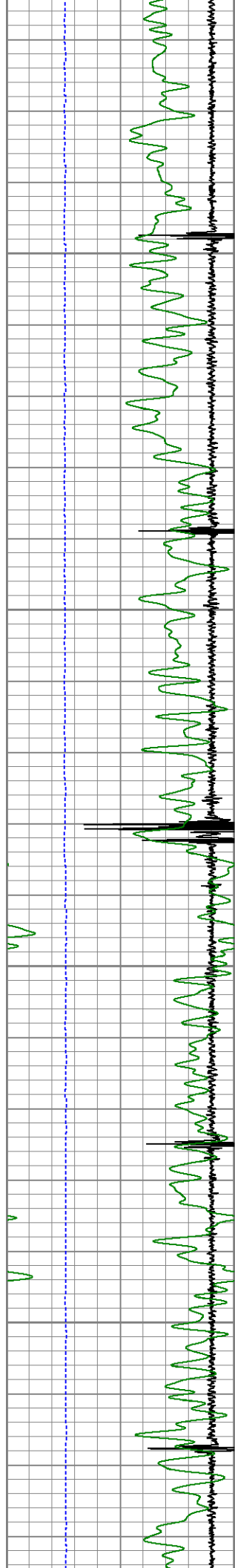










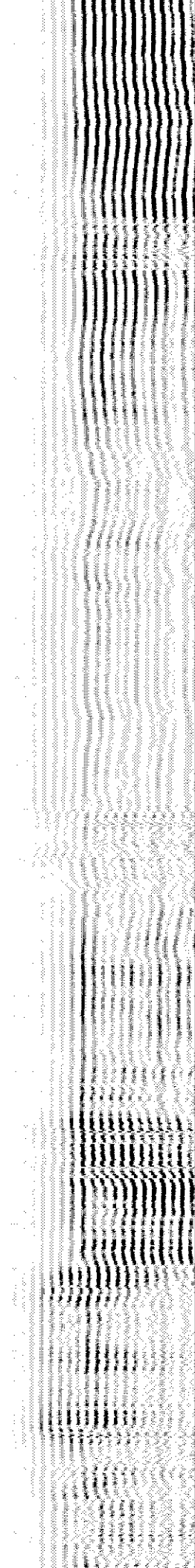
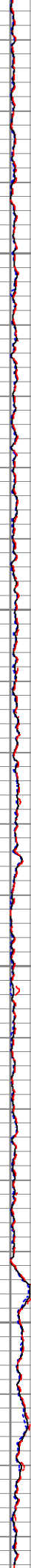
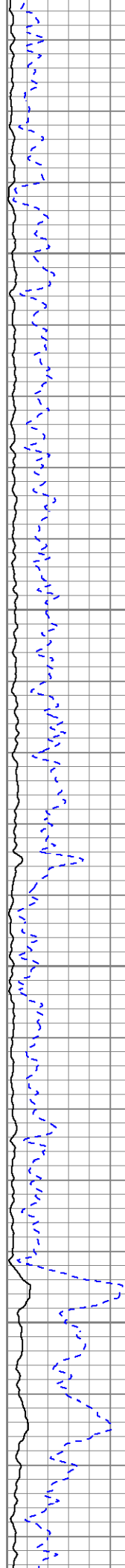


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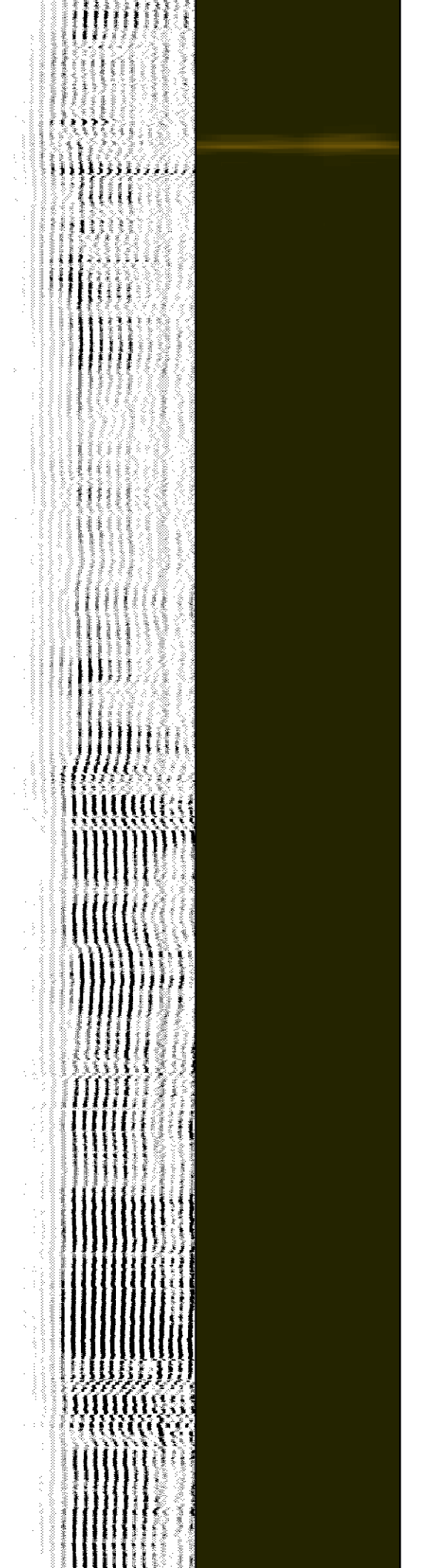
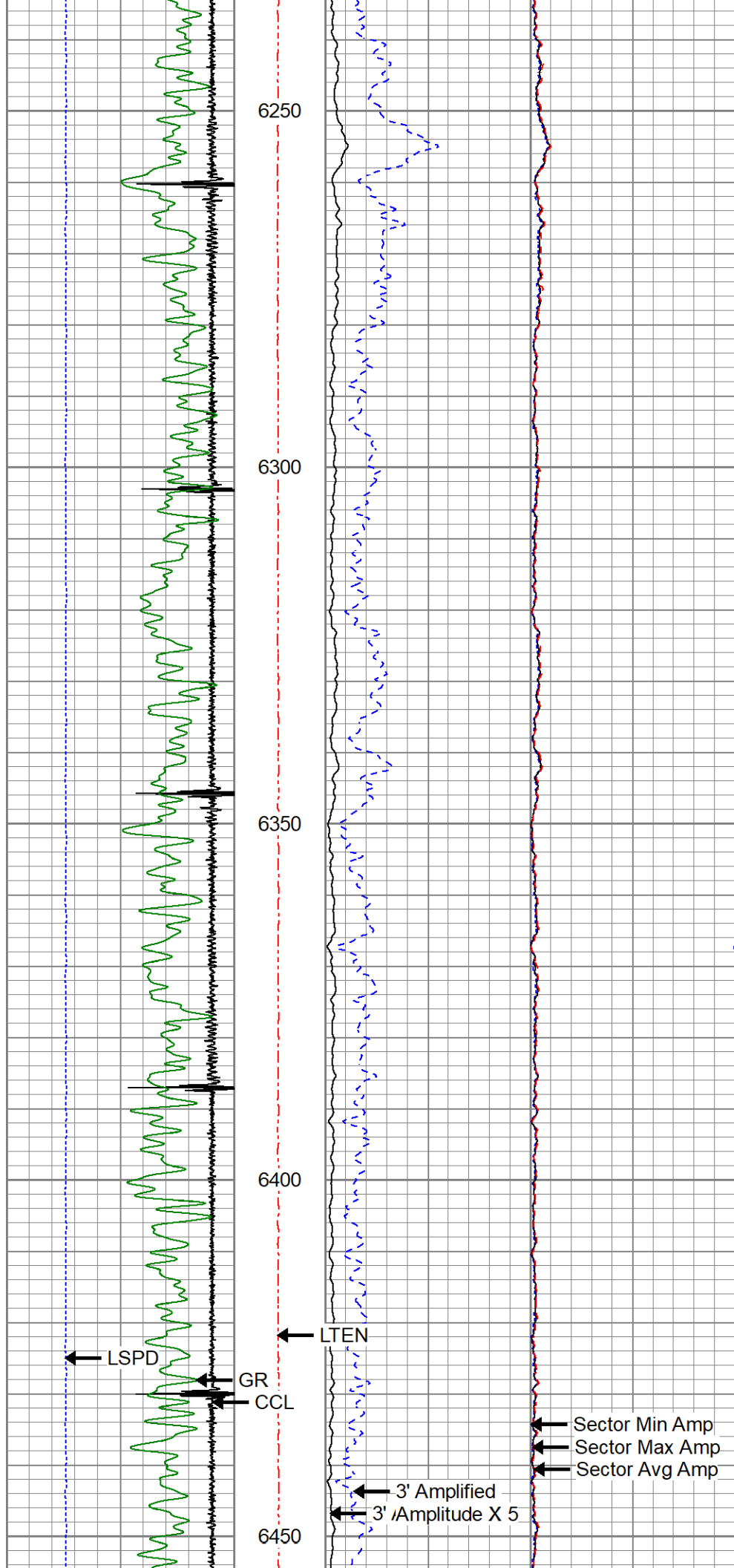
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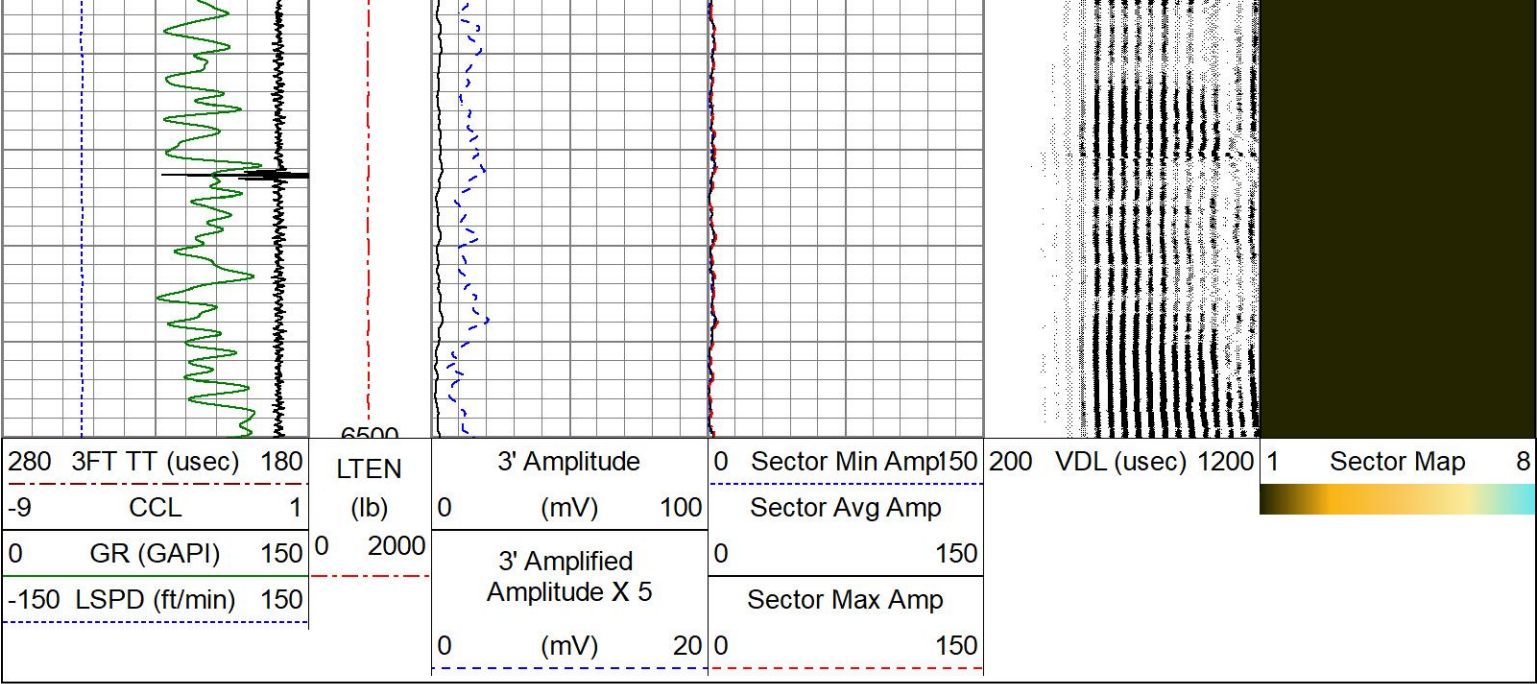
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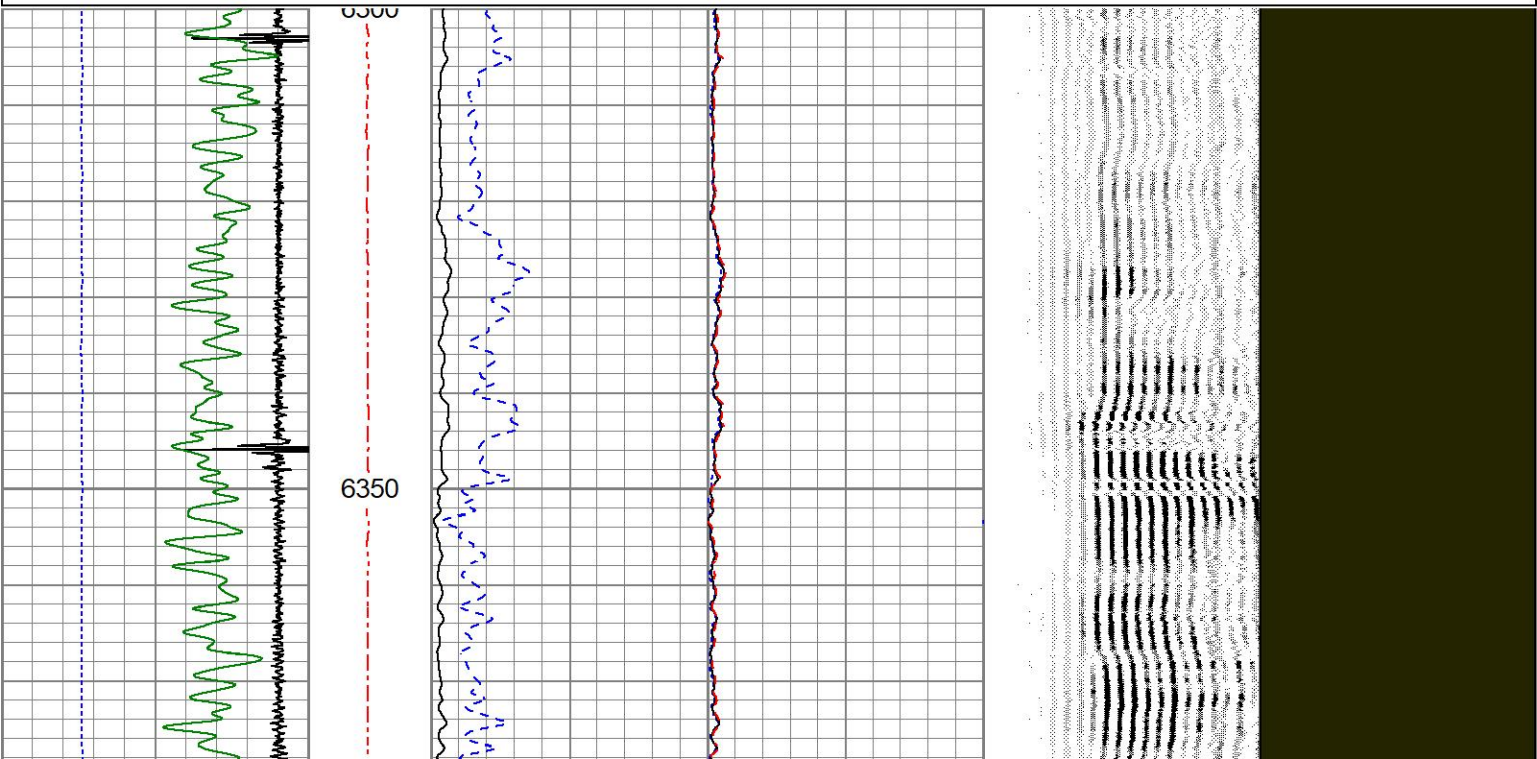
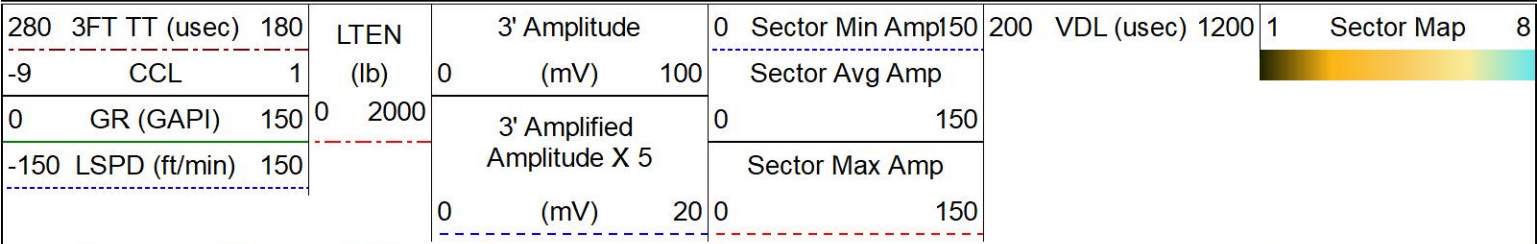




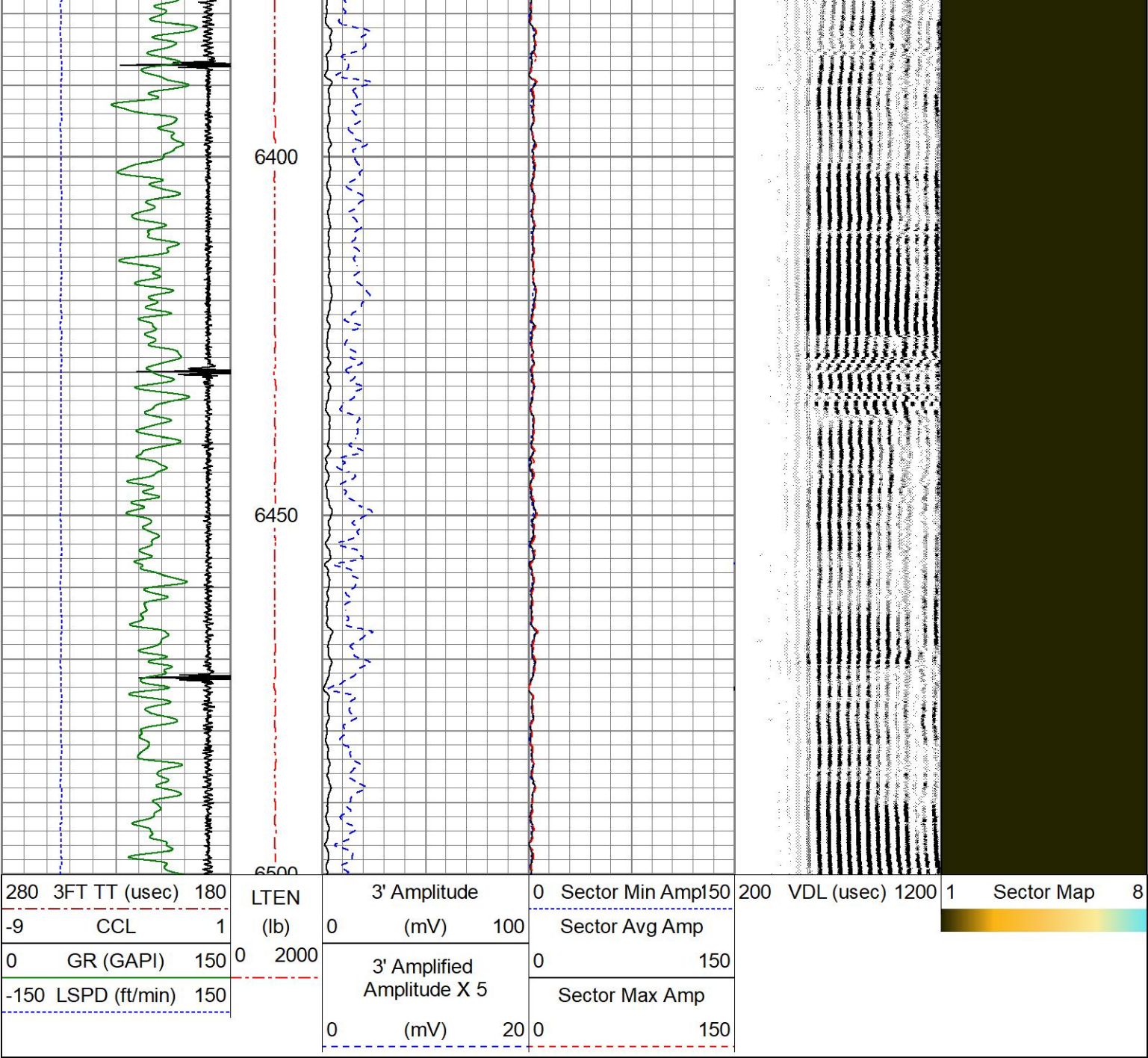
REPEAT PASS

0 PSI APPLIED AT SURFACE

Database File 568771\_occidental\_meganstateh15-32d\_0512334854\_20230713\_scbl.db  
Dataset Pathname pass2  
Presentation Format res\_scbl 8sec  
Dataset Creation Thu Jul 13 07:00:19 2023  
Charted by Depth in Feet scaled 1:240







Calibration Report		
Database File	568771_occidental_meganstateh15-32d_0512334854_20230713_scbl.db	
Dataset Pathname	pass3	
Dataset Creation	Thu Jul 13 07:05:55 2023	
Gamma Ray Calibration Report		
Serial Number:	071129	
Tool Model:	GR275B	
Performed:	Fri Apr 28 08:56:02 2023	
Calibrator Value:	250.0	GAPI
Background Reading:	34.9	cps
Calibrator Reading:	302.3	cps
Sensitivity:	0.9349	GAPI/cps
Segmented Cement Bond Log Calibration Report		

Serial Number: 070150  
Tool Model: Probe  
Calibration Casing Diameter: 4.000 in  
Calibration Depth: 6.950 ft

Master Calibration, performed Thu Jul 13 06:29:10 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.002	0.997	1.000	71.900	70.958	1.133
CAL	-0.002	0.993				
5'	-0.002	0.938	1.000	71.900	75.483	1.117
SUM						
S1	-0.002	0.989	0.000	100.000	100.940	0.170
S2	-0.002	0.994	0.000	100.000	100.391	0.237
S3	-0.002	0.988	0.000	100.000	101.071	0.183
S4	-0.003	0.996	0.000	100.000	100.123	0.262
S5	-0.002	1.005	0.000	100.000	99.257	0.202
S6	-0.002	0.989	0.000	100.000	100.950	0.208
S7	-0.002	1.000	0.000	100.000	99.834	0.172
S8	-0.001	0.997	0.000	100.000	100.202	0.143

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.002	0.993	1.000	0.000

Air Zero Calibration, performed Thu Jul 13 06:30:42 2023:

	Raw (v)		Calibrated (v)		Results
	Zero		Zero		Offset
3'	0.005		0.000		-0.007
5'	0.008		0.000		-0.010
SUM					
S1	0.007		0.000		-0.009
S2	0.006		0.000		-0.008
S3	0.006		0.000		-0.008
S4	0.006		0.000		-0.009
S5	0.006		0.000		-0.008
S6	0.006		0.000		-0.008
S7	0.006		0.000		-0.007
S8	0.006		0.000		-0.007



Company  
Well  
Field  
County  
State

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