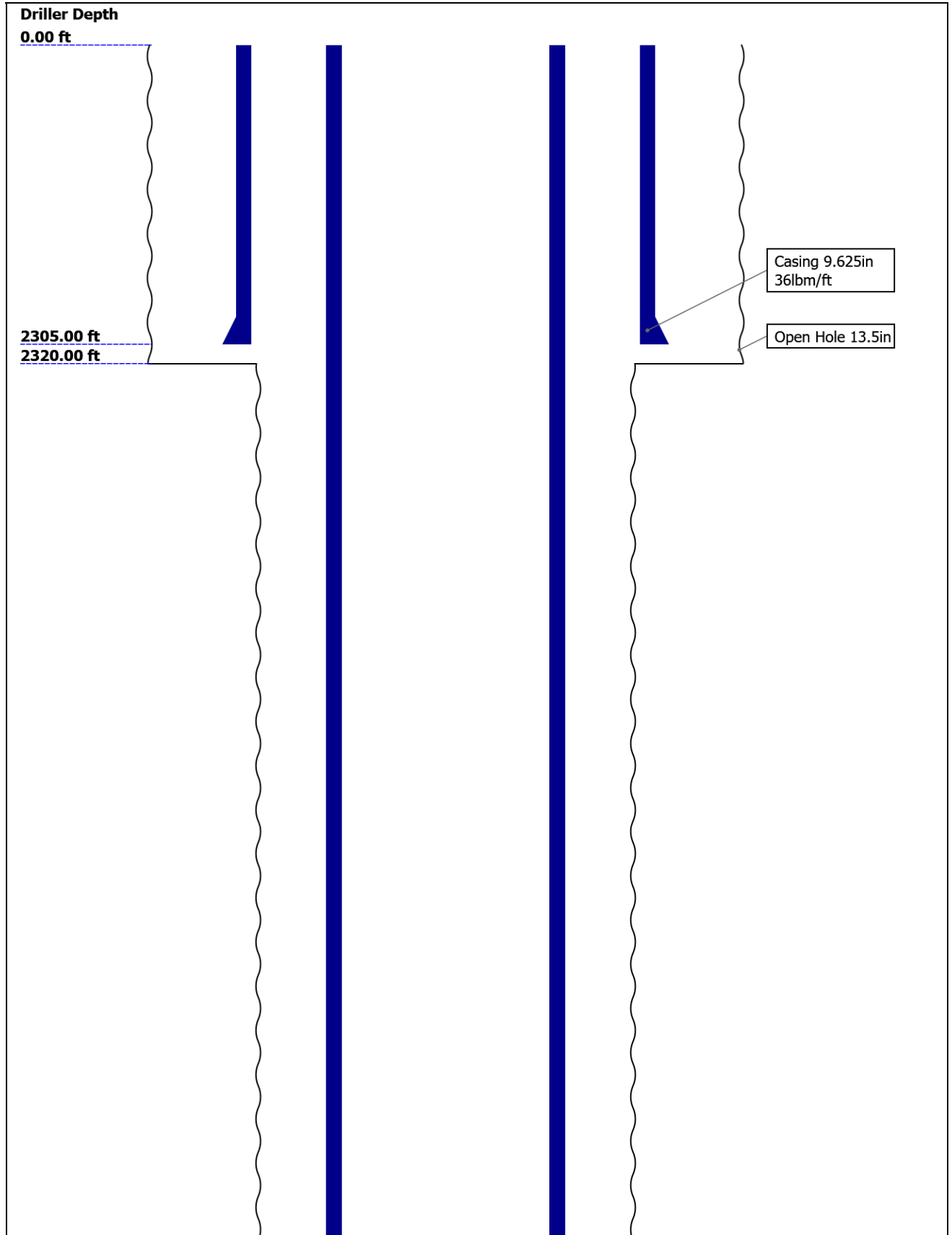
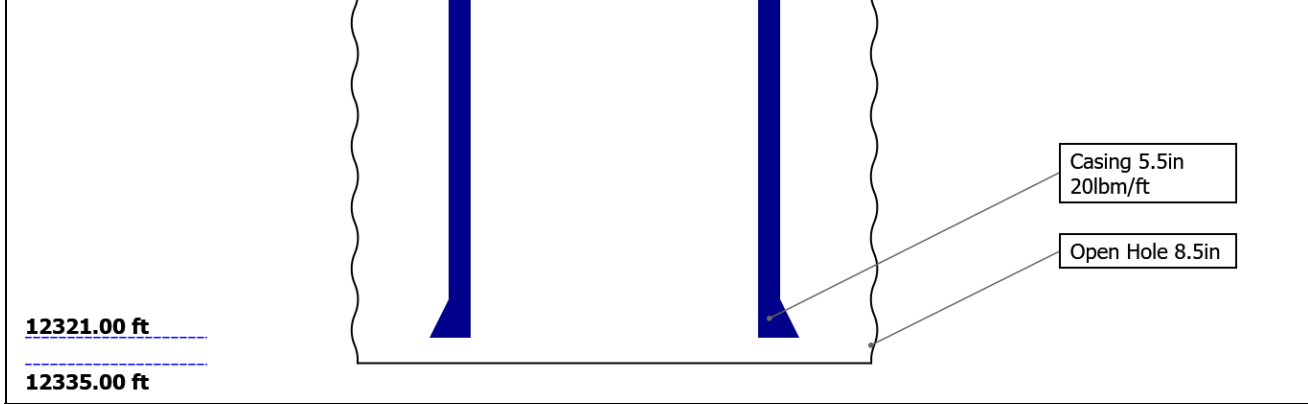


- 9.4 Log (SCMT_VDL_Image)
- 9.5 Parameter Listing
- 10. ONE Repeat Pass
 - 10.1 Integration Summary
 - 10.2 Software Version
 - 10.3 Composite Summary
 - 10.4 Log (Sonic CBL with VDL)

Well Sketch



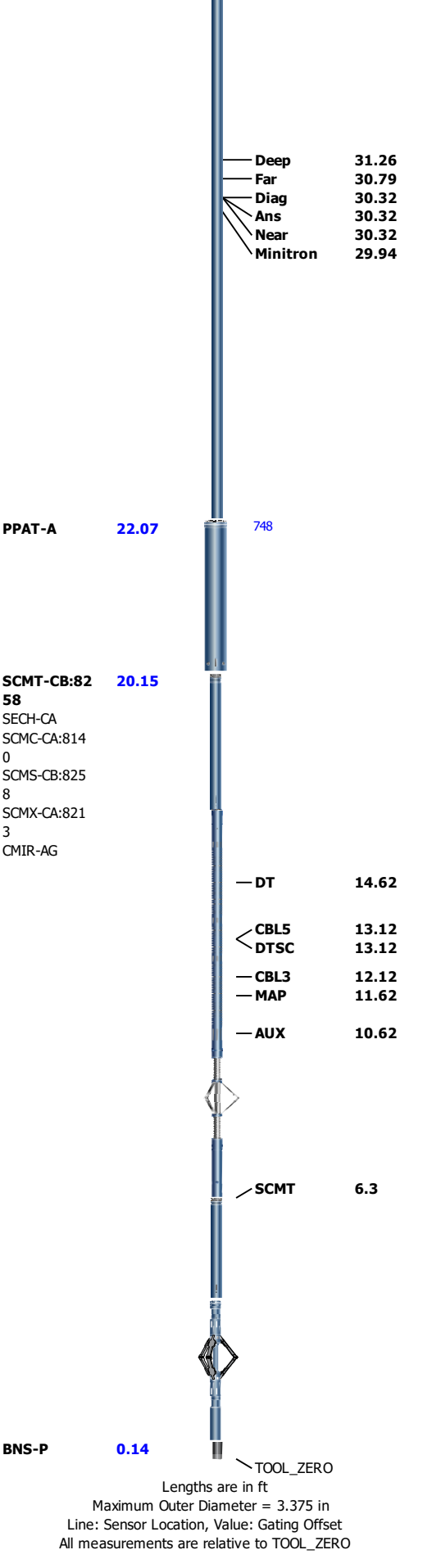


Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	13.5	8.5				
Top Driller (ft)	0	2320				
Top Logger (ft)	0	2320				
Bottom Driller (ft)	2320	12335				
Bottom Logger (ft)	2320	12335				
Casing						
Size (in)	9.625	5.5				
Weight (lbm/ft)	36	20				
Inner Diameter (in)	8.921	4.778				
Grade	J55	P110				
Top Driller (ft)	0	0				
Top Logger (ft)	0	0				
Bottom Driller (ft)	2305	12321				
Bottom Logger (ft)	2305	12321				

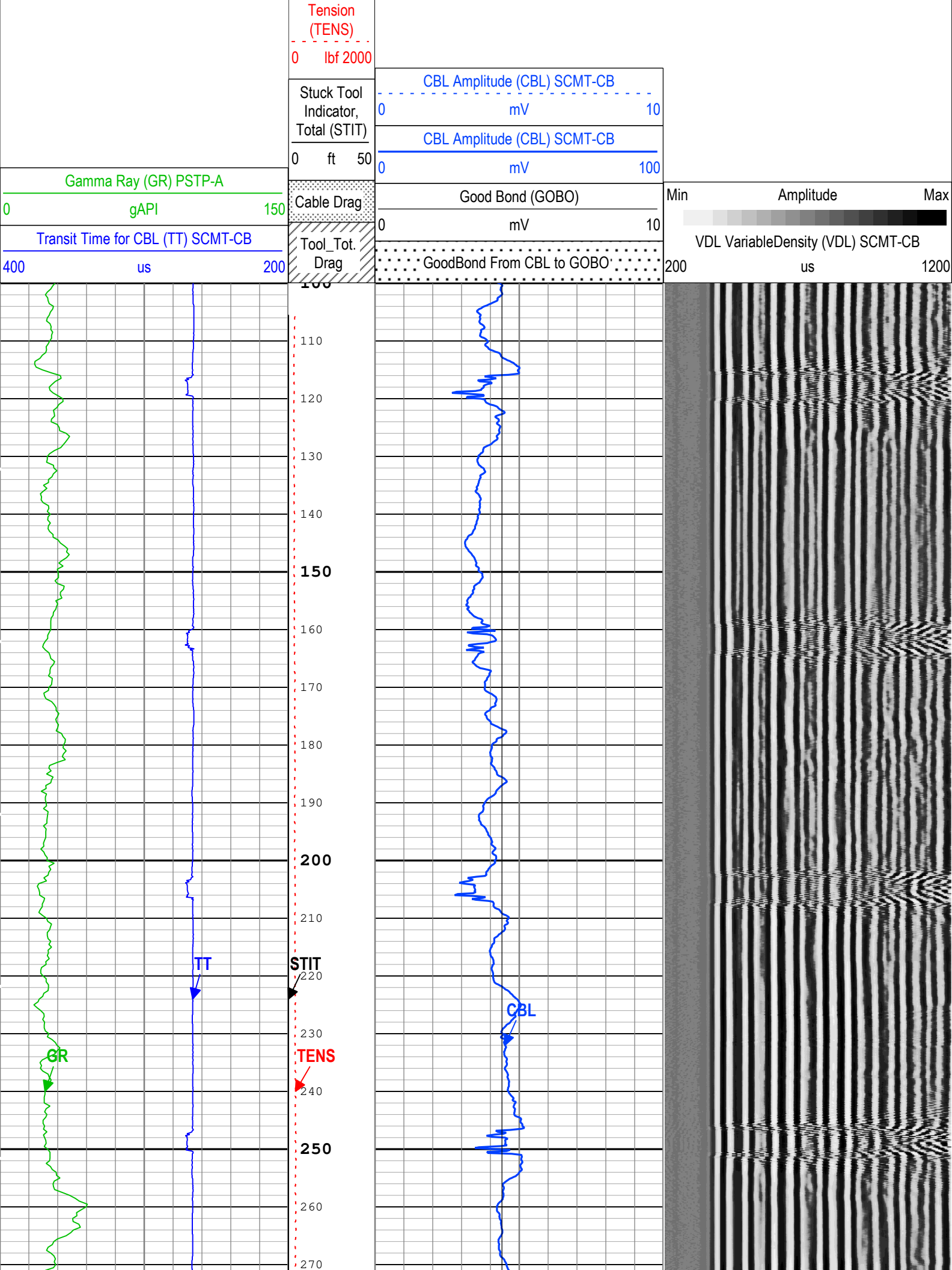
Remarks and Equipment Summary

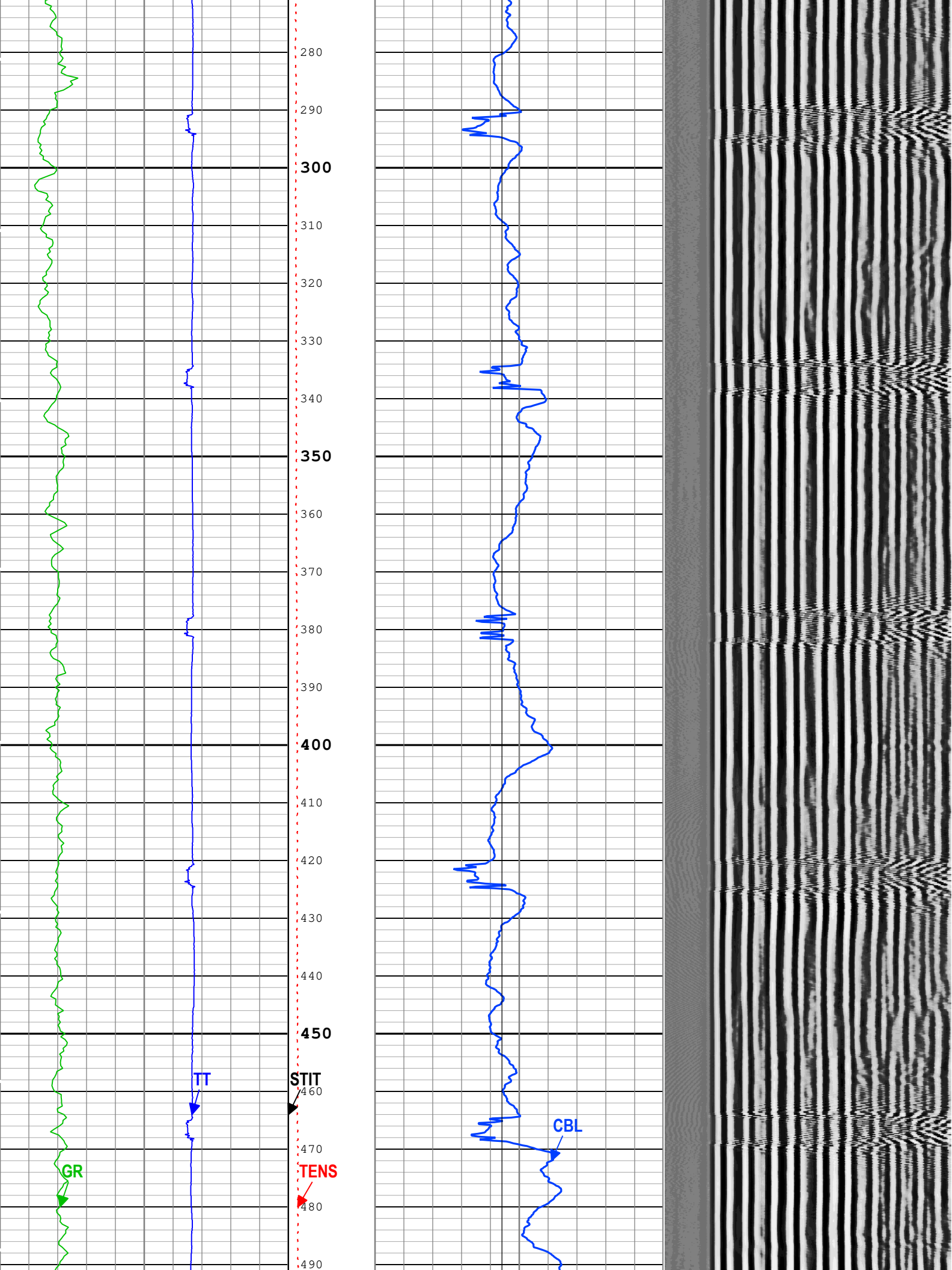
ONE: Toolstring				ONE: Remarks		
Equip name	Length	MP name	Offset	Thank you for choosing Schlumberger!		
LEH-QT	52.99			Toolstring run as per tool sketch and client logging program.		
LEH-QT				centralizers run on SCMT.		
AH-323	49.5					
AH-329	49.07					
PSTP-A:192	48.78					
5						
PSC-A:2776		GR	45.07			
PSTC-A:2776		PSTC	44.78			
PBMS-A:1925		PSTC Tool	0.00			
Sapphire 10kP		String Bot				
SI:2776		tom				
		Temperatu	41.99			
		re				
		Sapphire P	41.87			
		ressure				
		CCL	41.26			
		PBMS	40.51			
PNX-A:23	40.51					
PNCH-A:17						
PNCE-A:23						
PNSH-A:26						
PNSE-A:23						
PNG-H:3071-5						
1199						

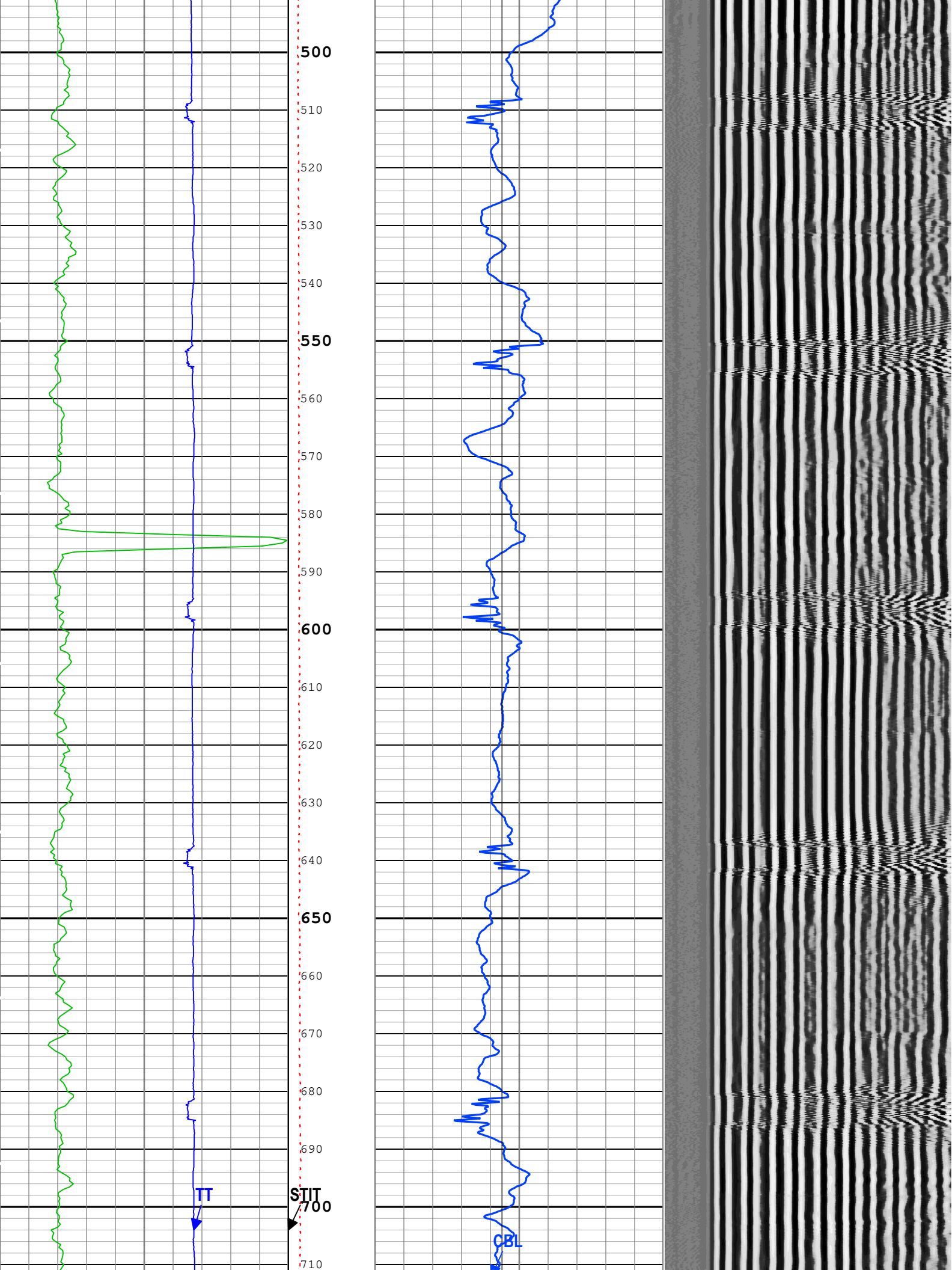


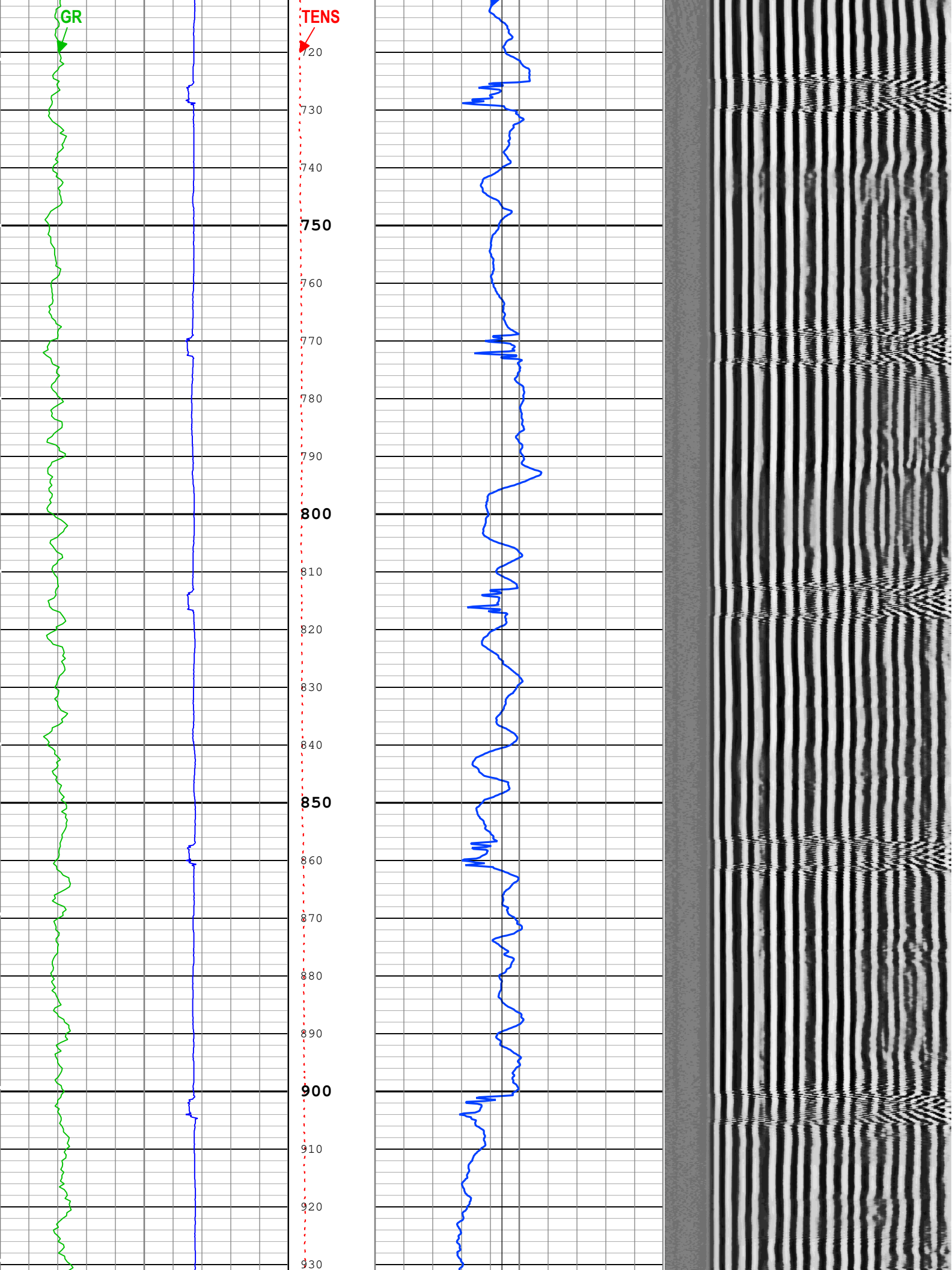
Depth Summary			
	ONE		
Depth Measuring Device			
Type	IDW-JA		

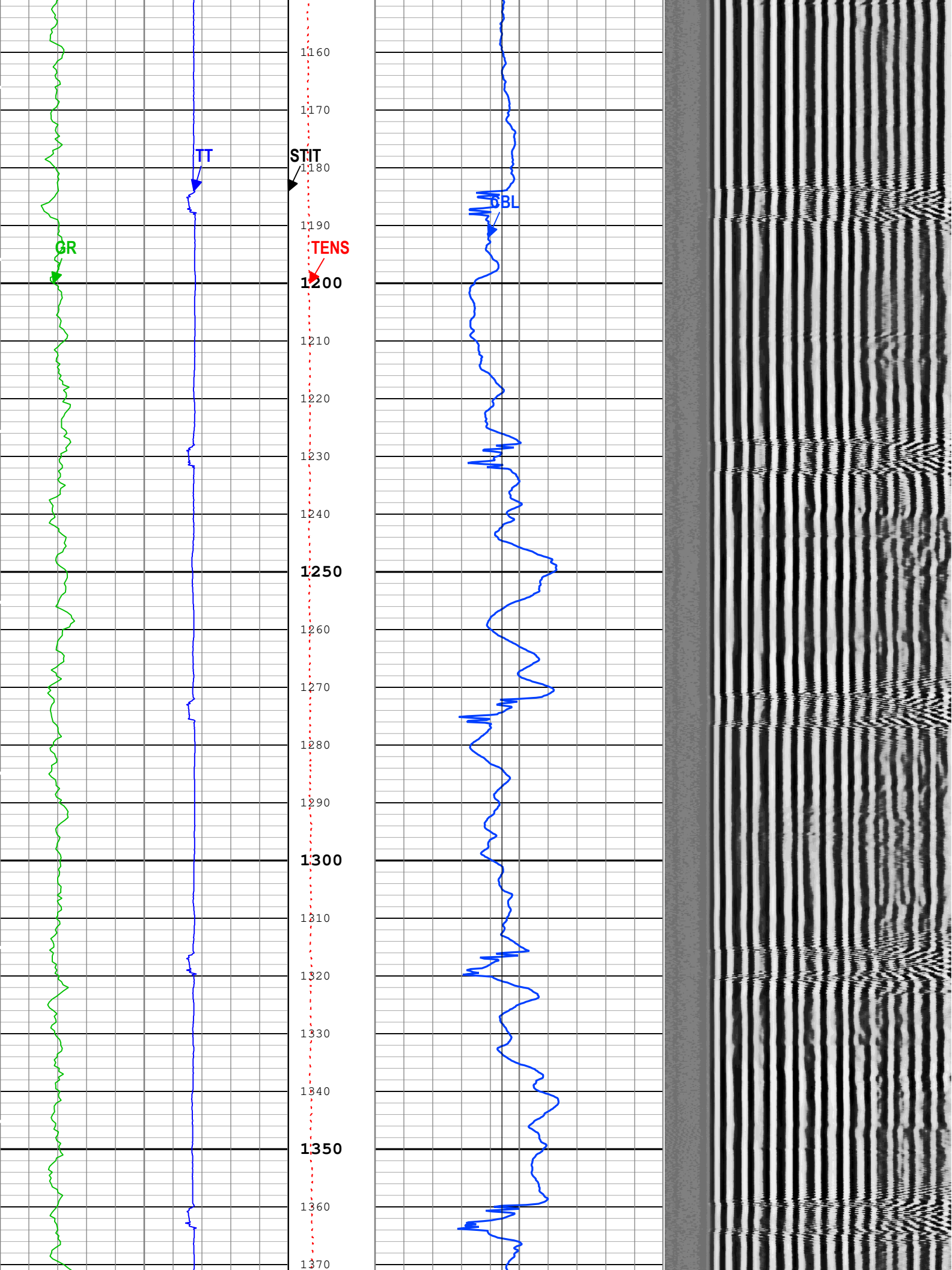
Cable

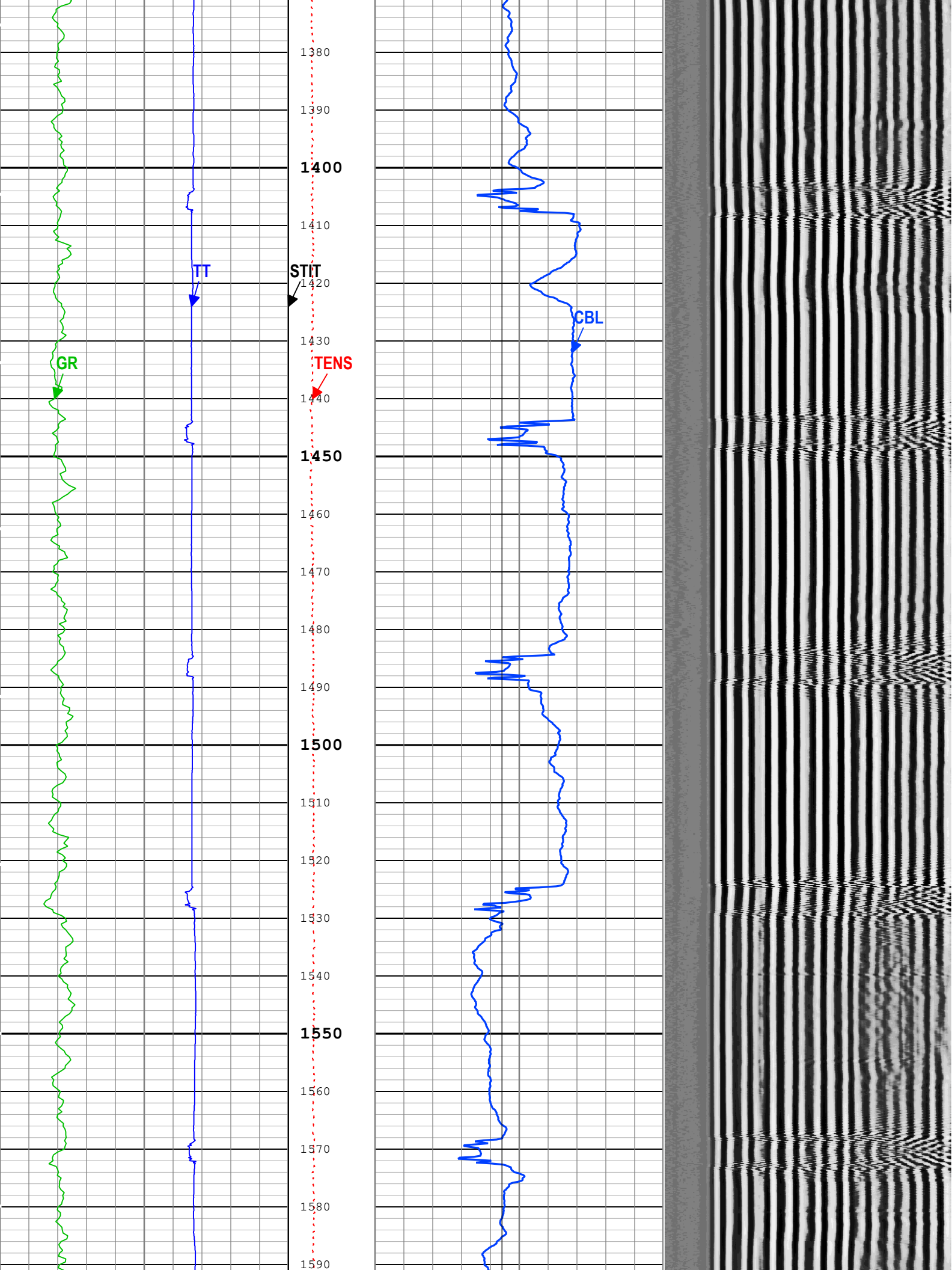


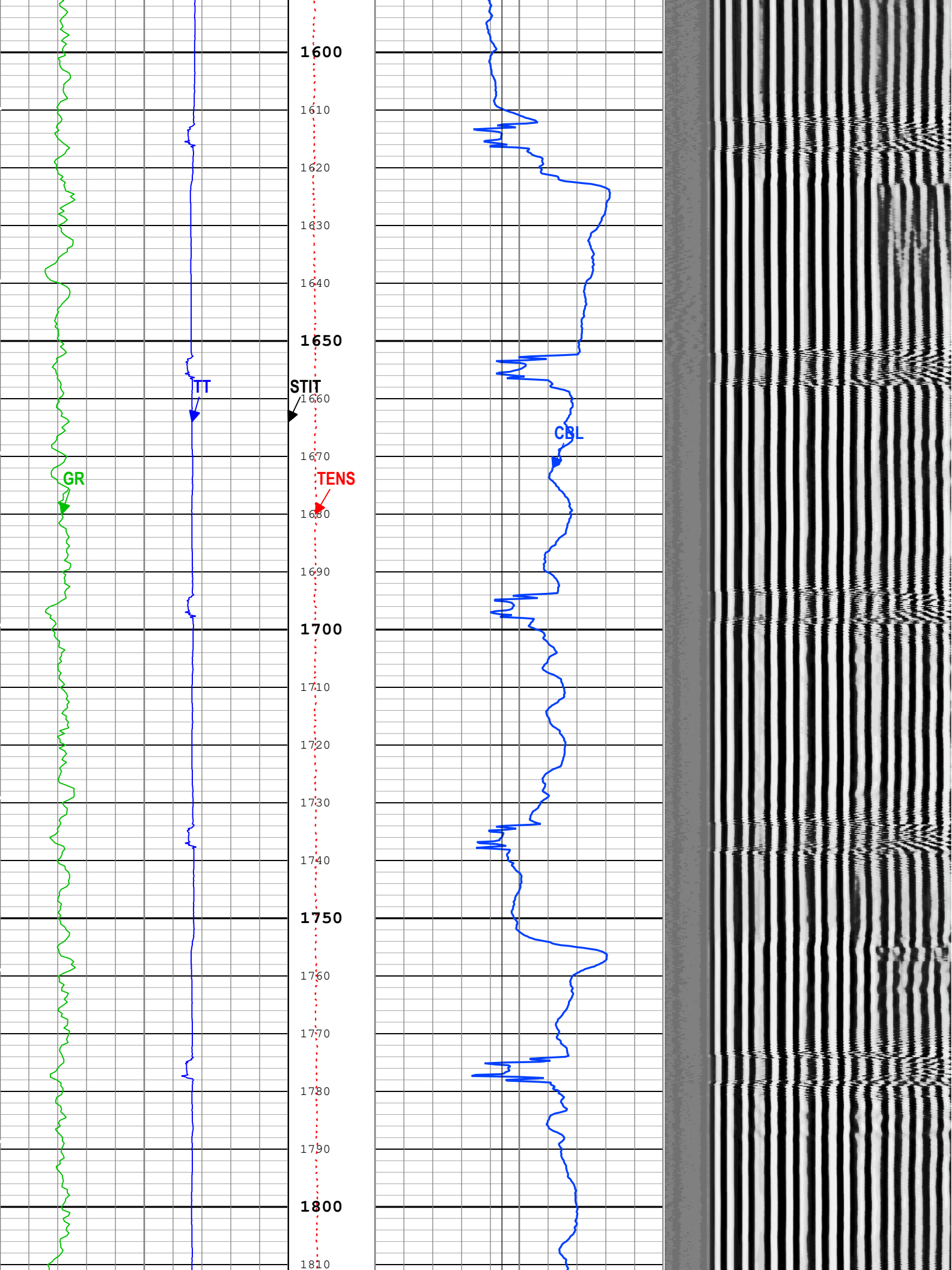


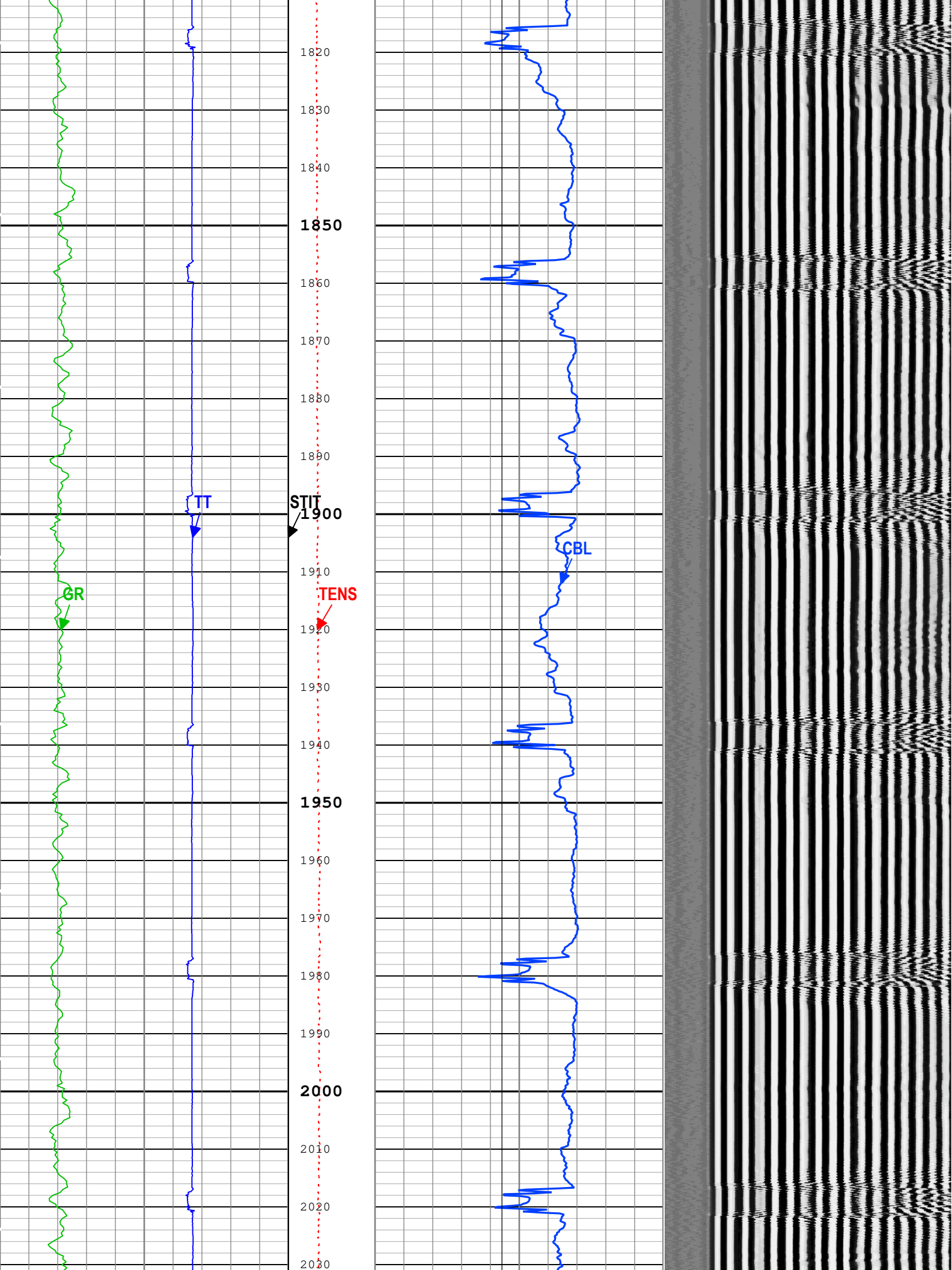


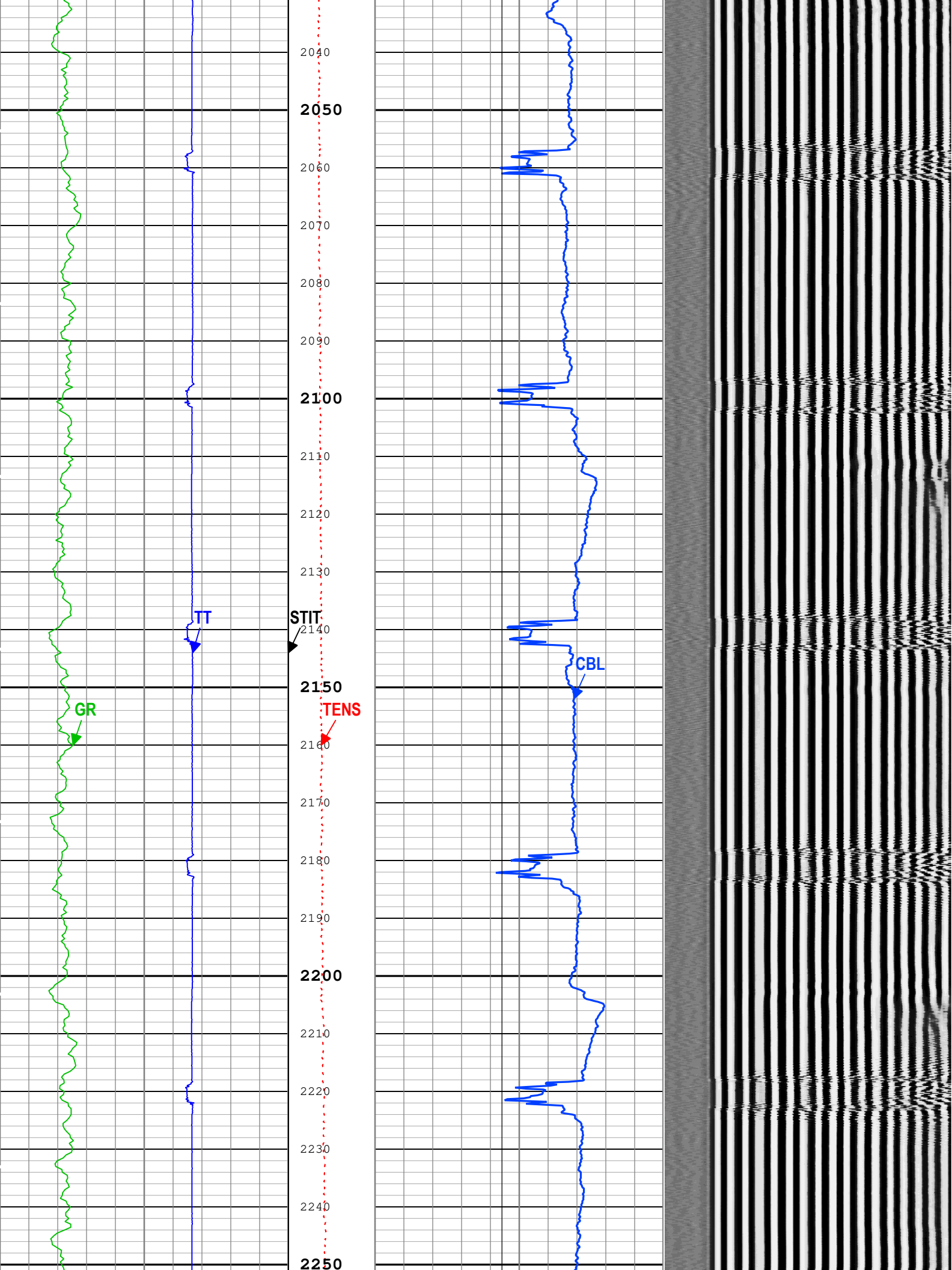


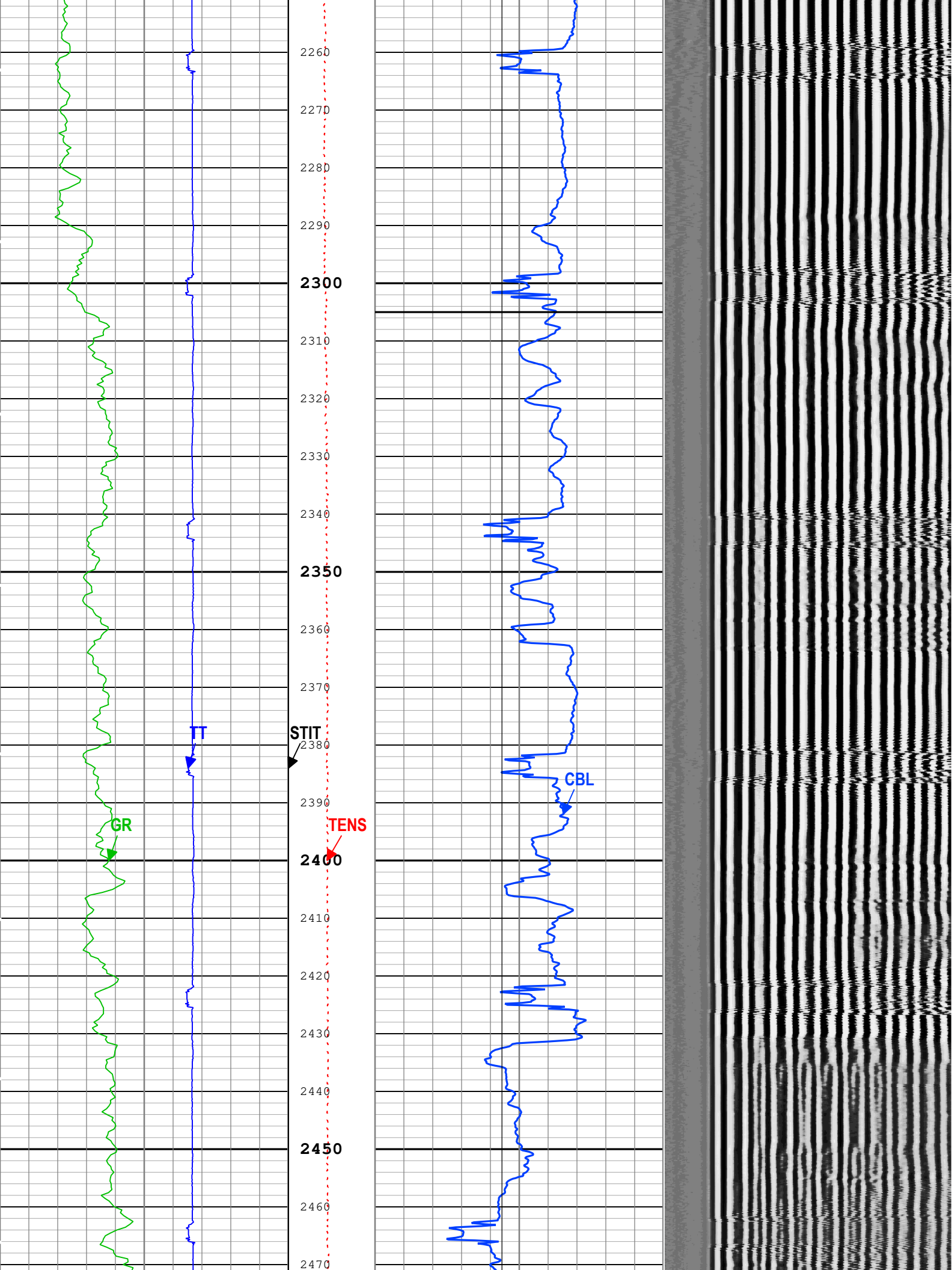


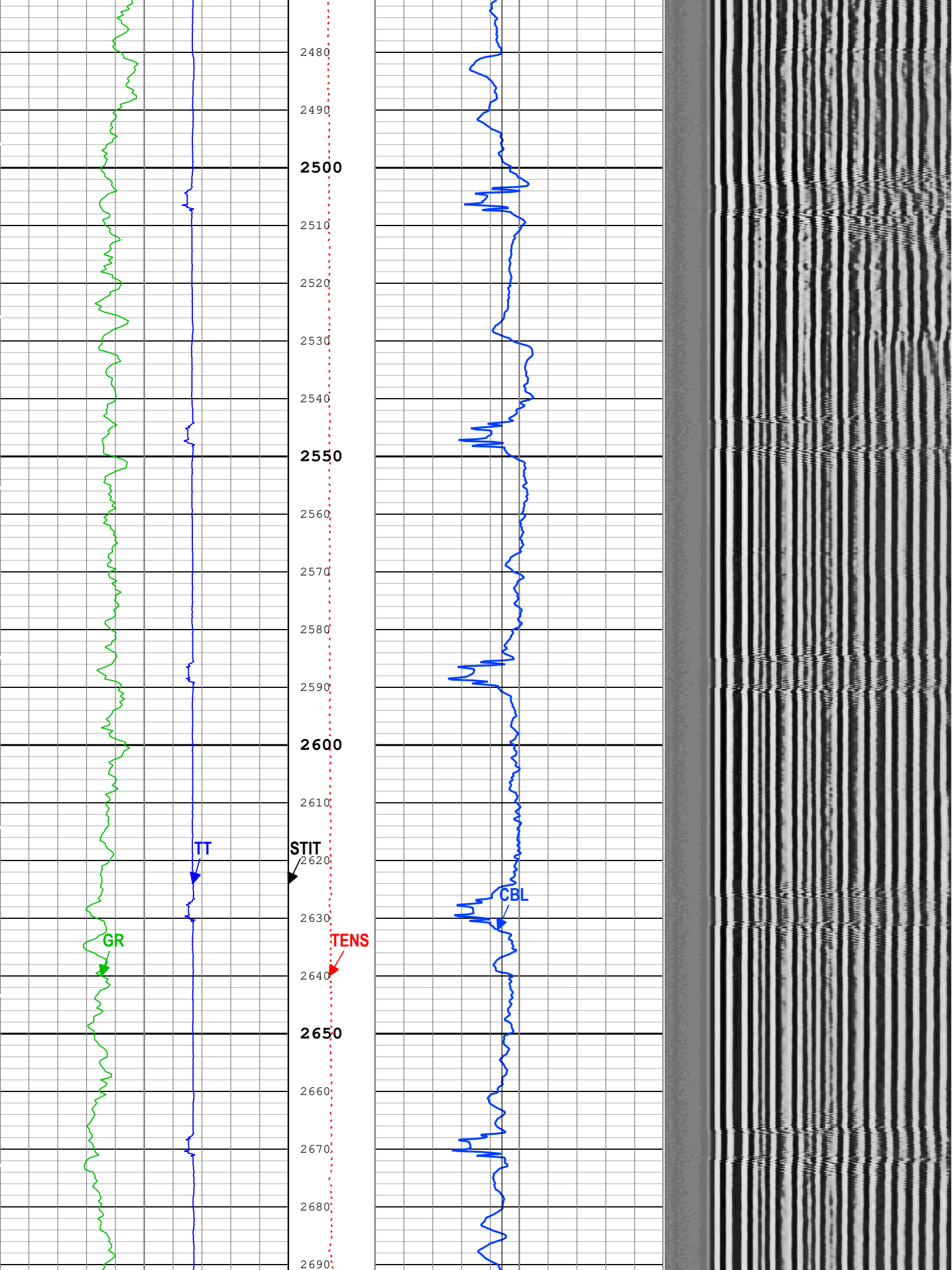


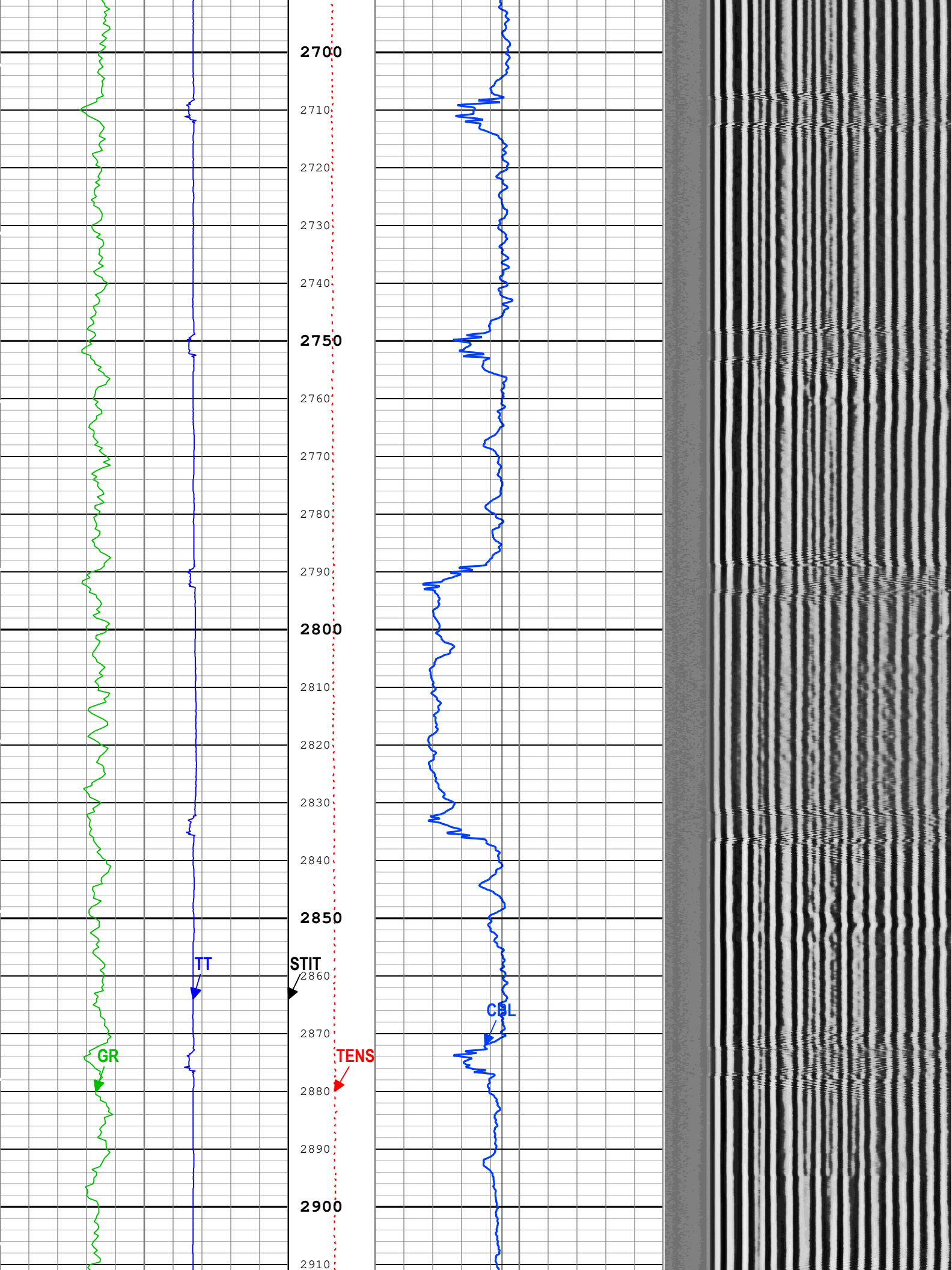


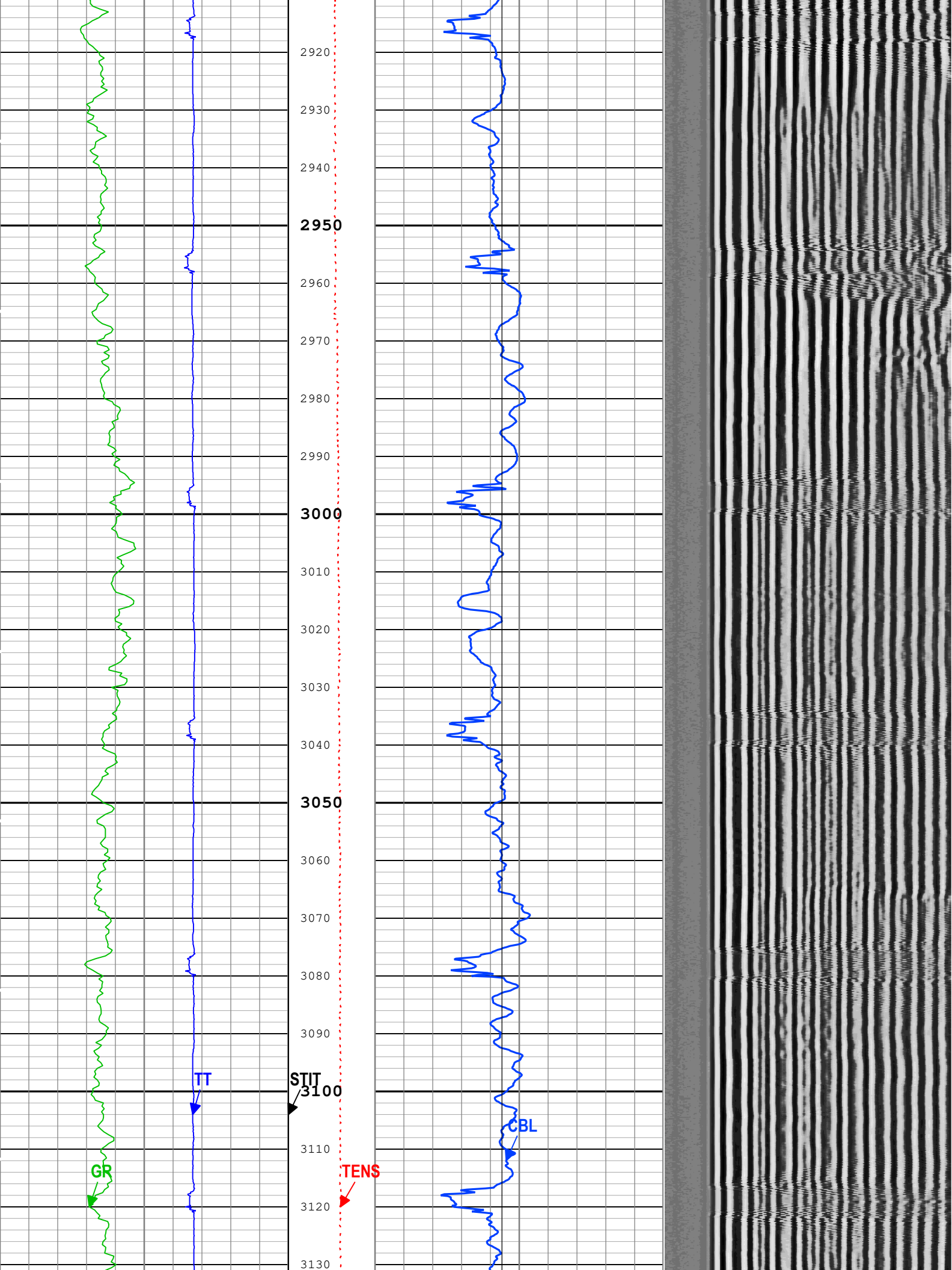


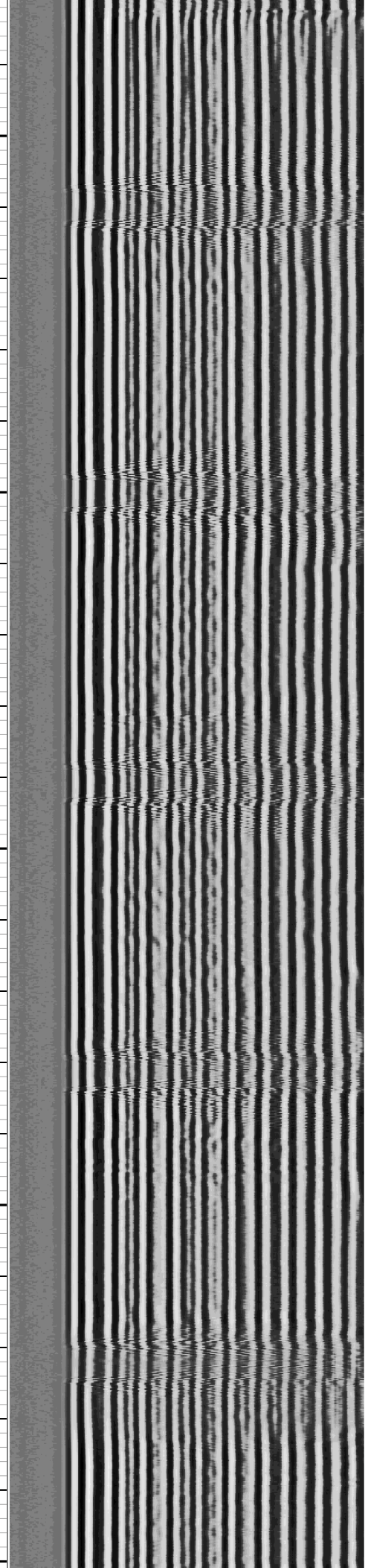
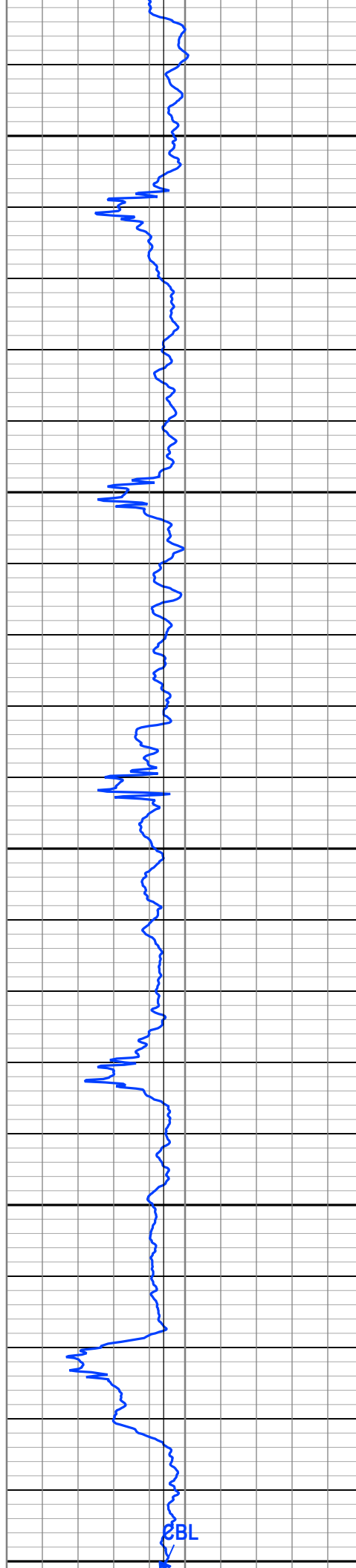
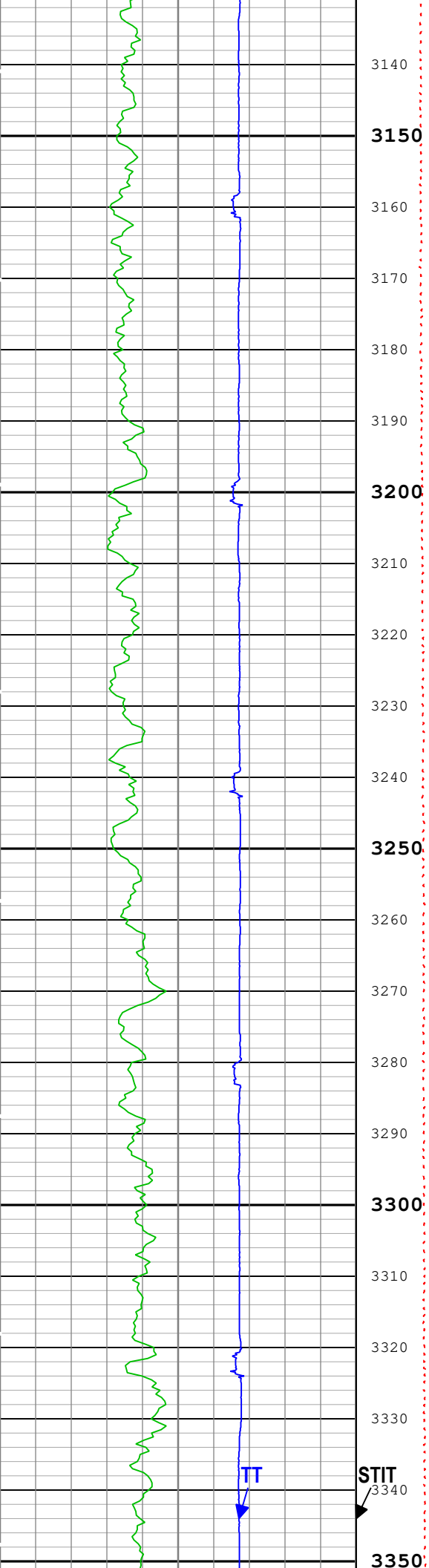


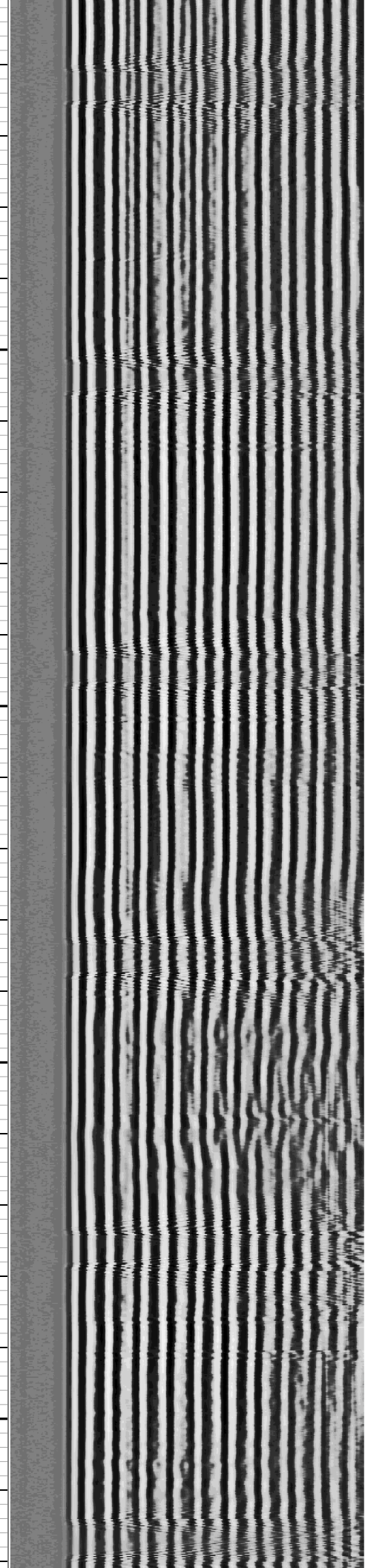
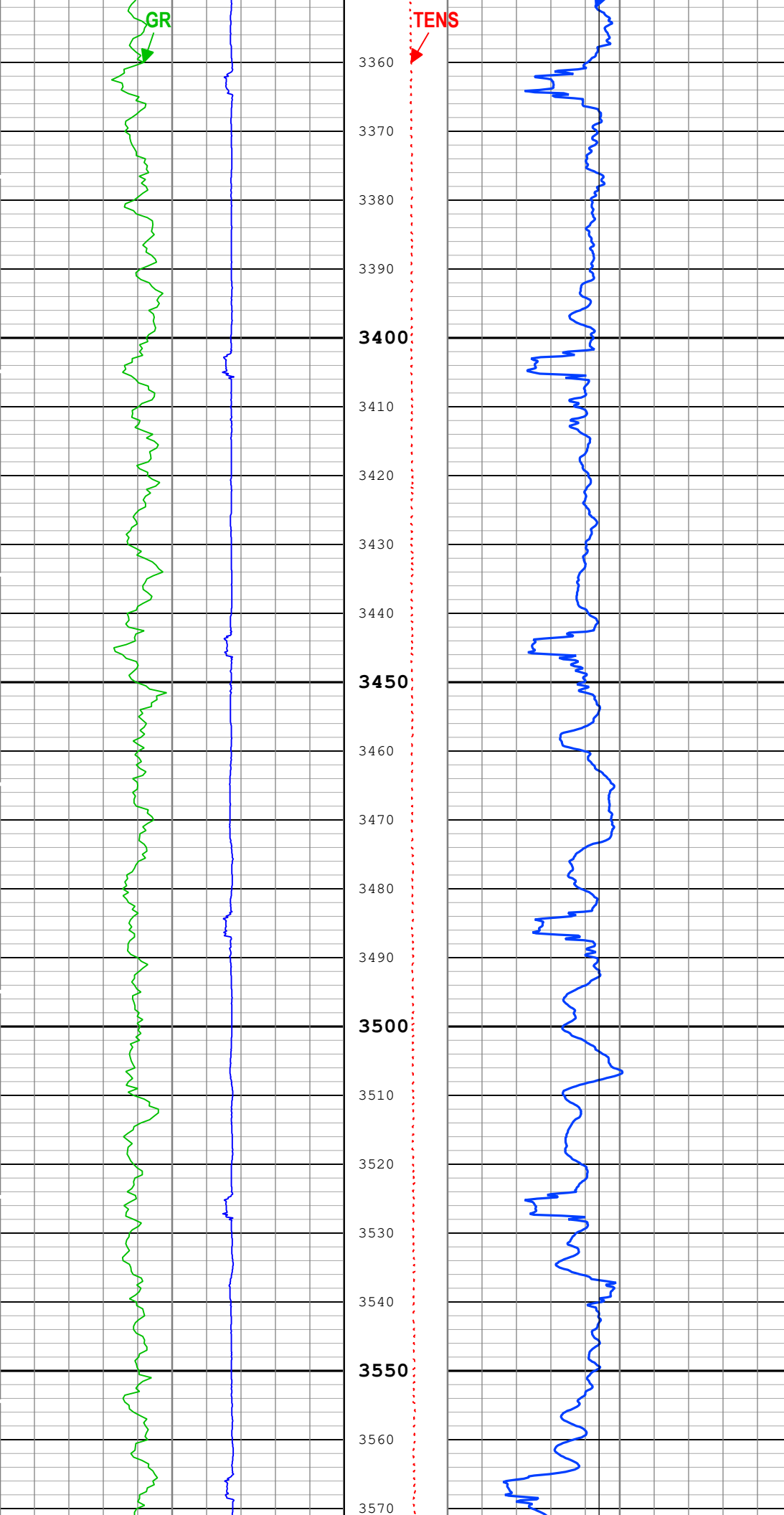


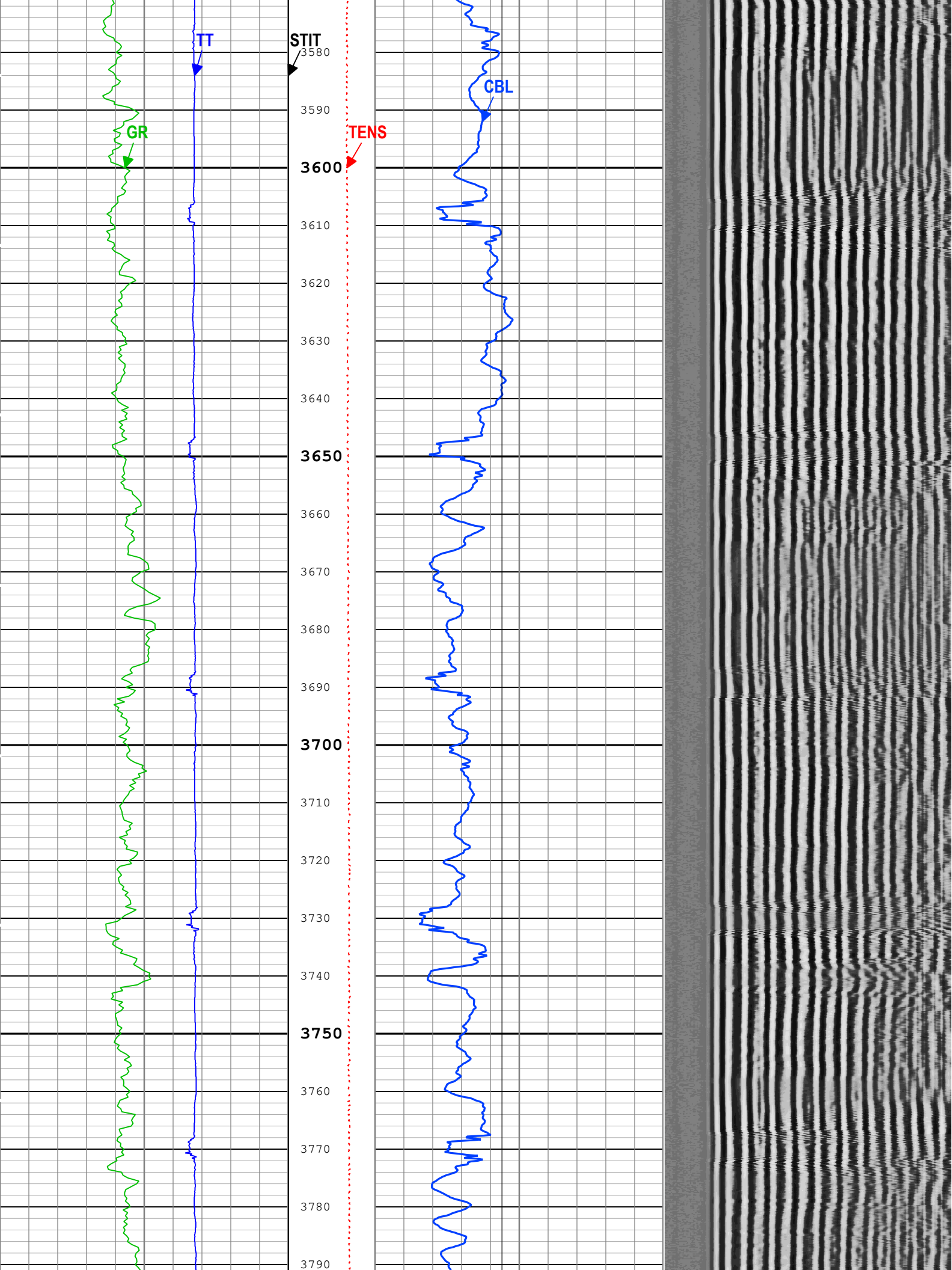


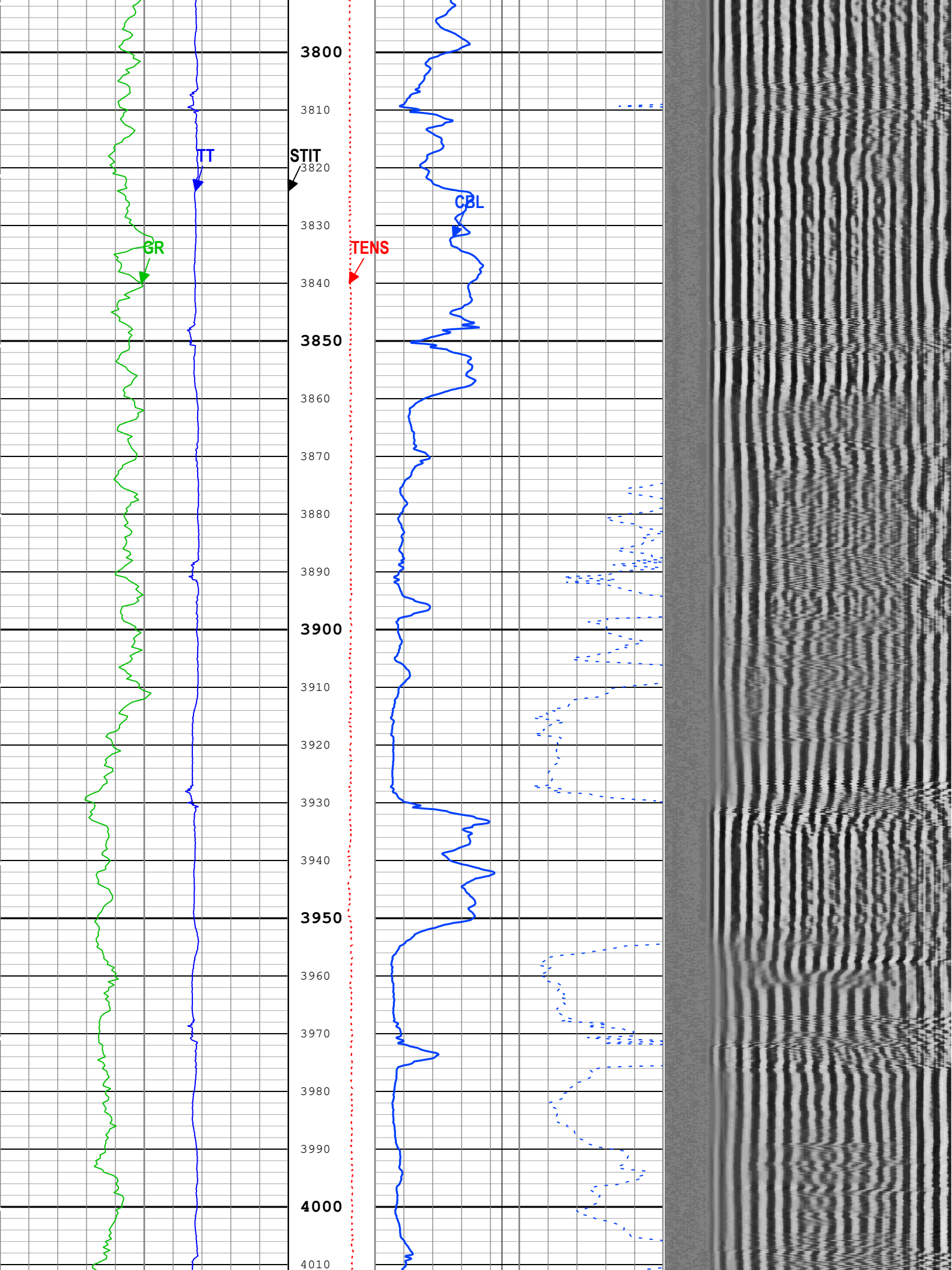


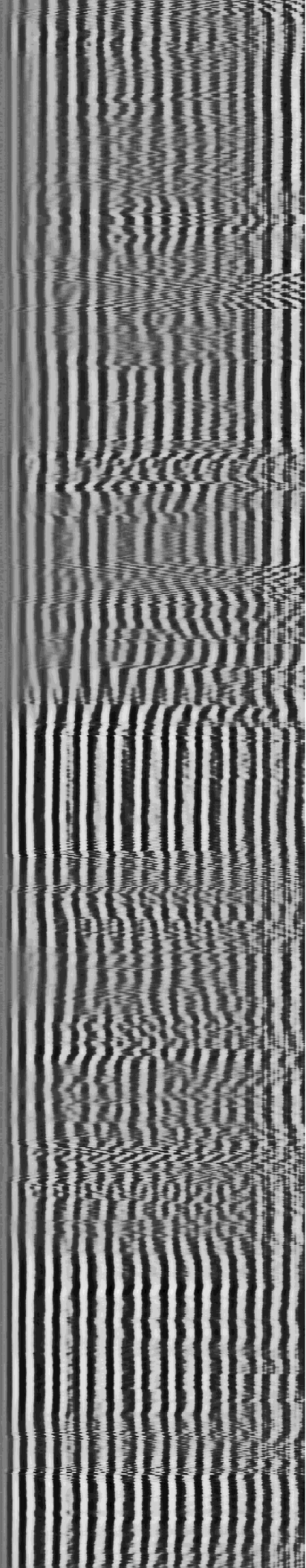
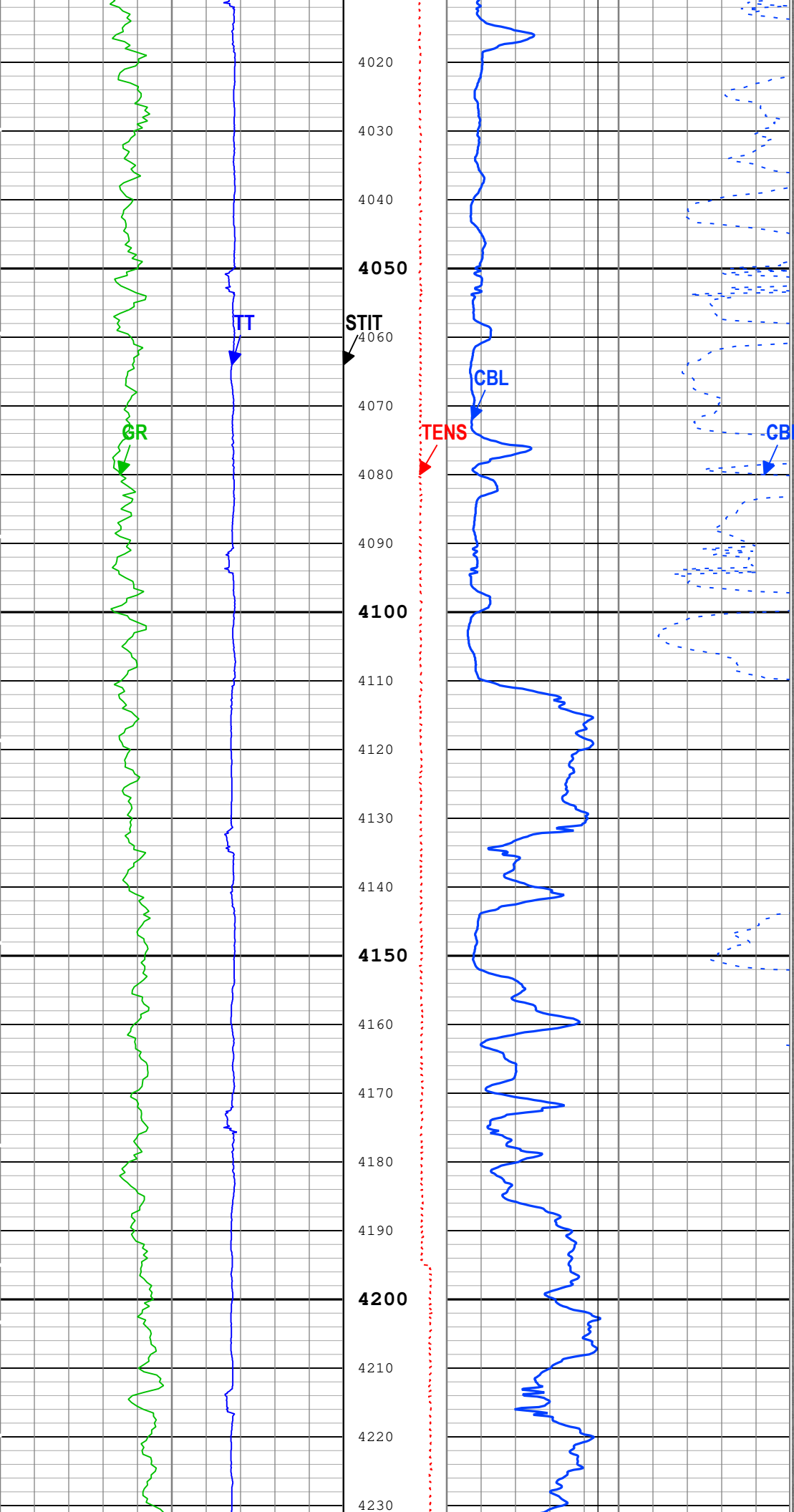


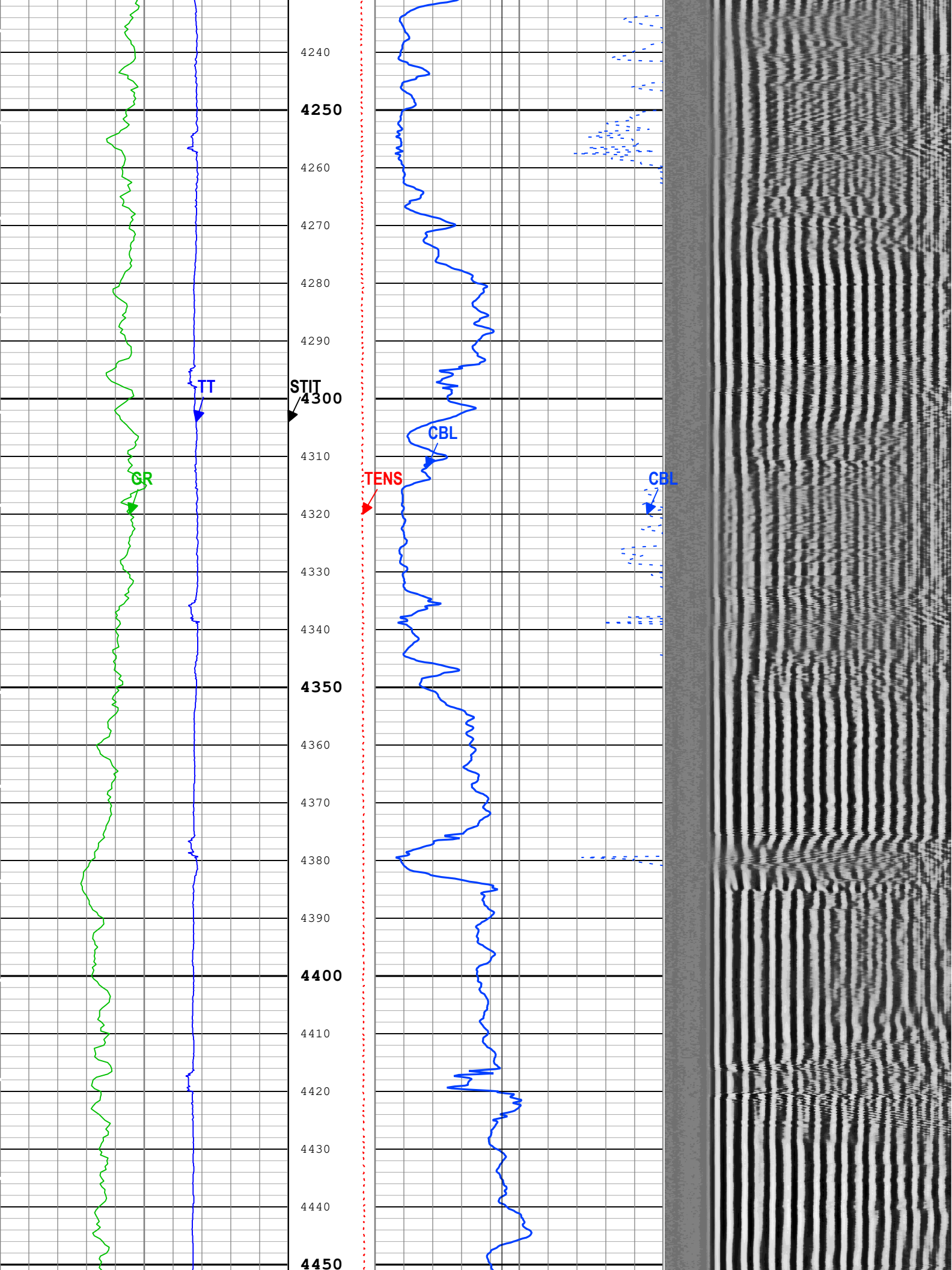


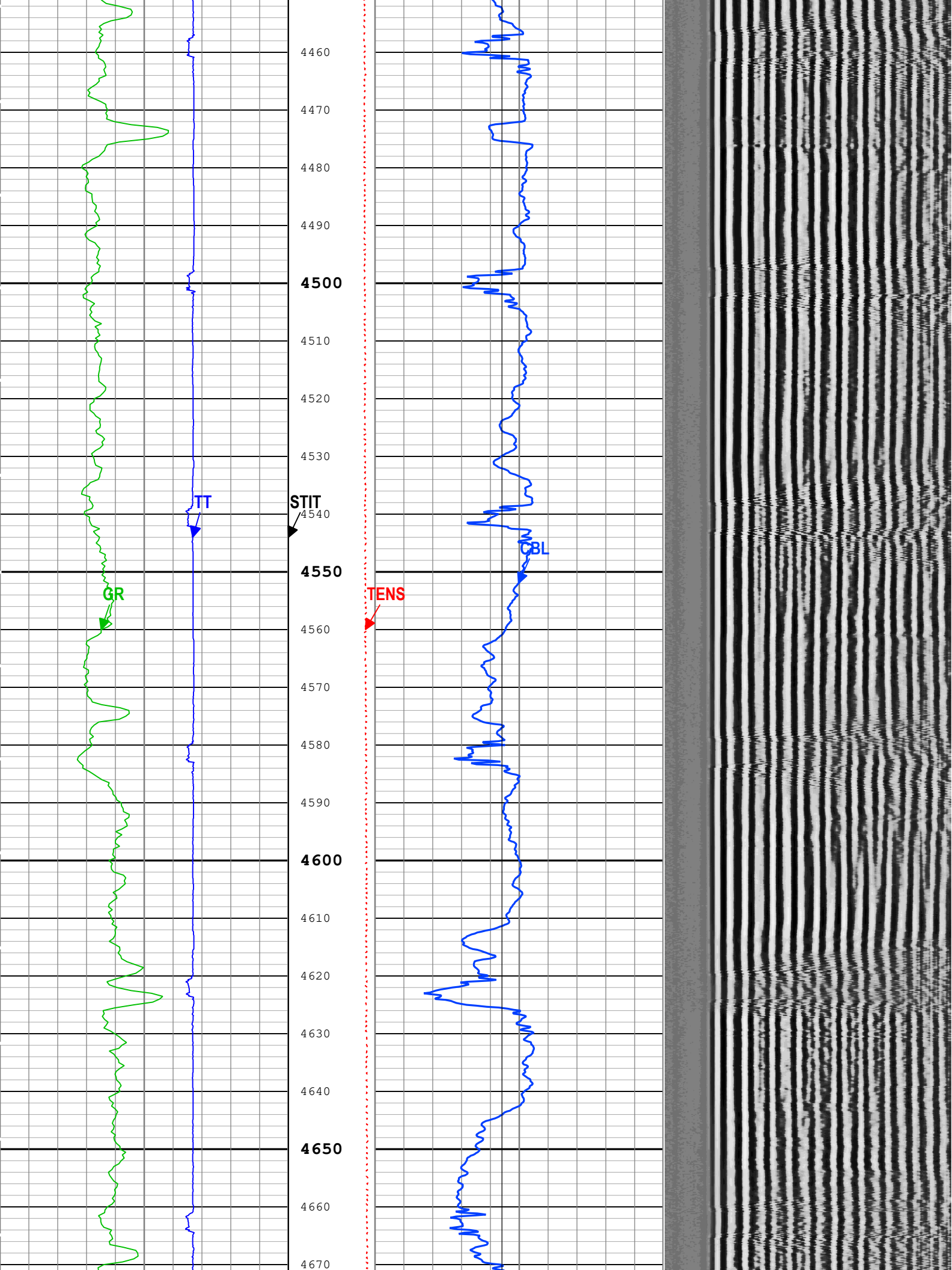


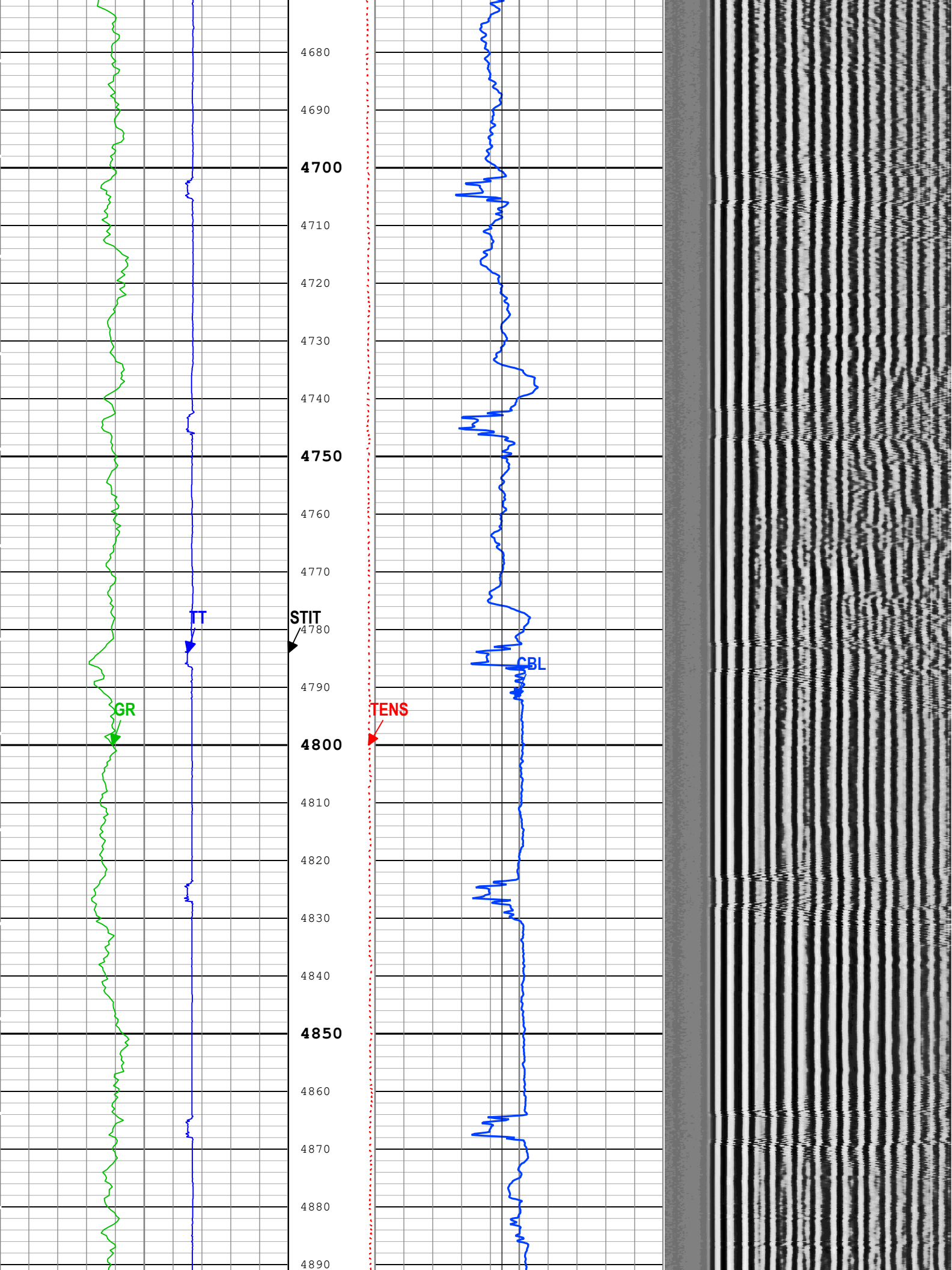


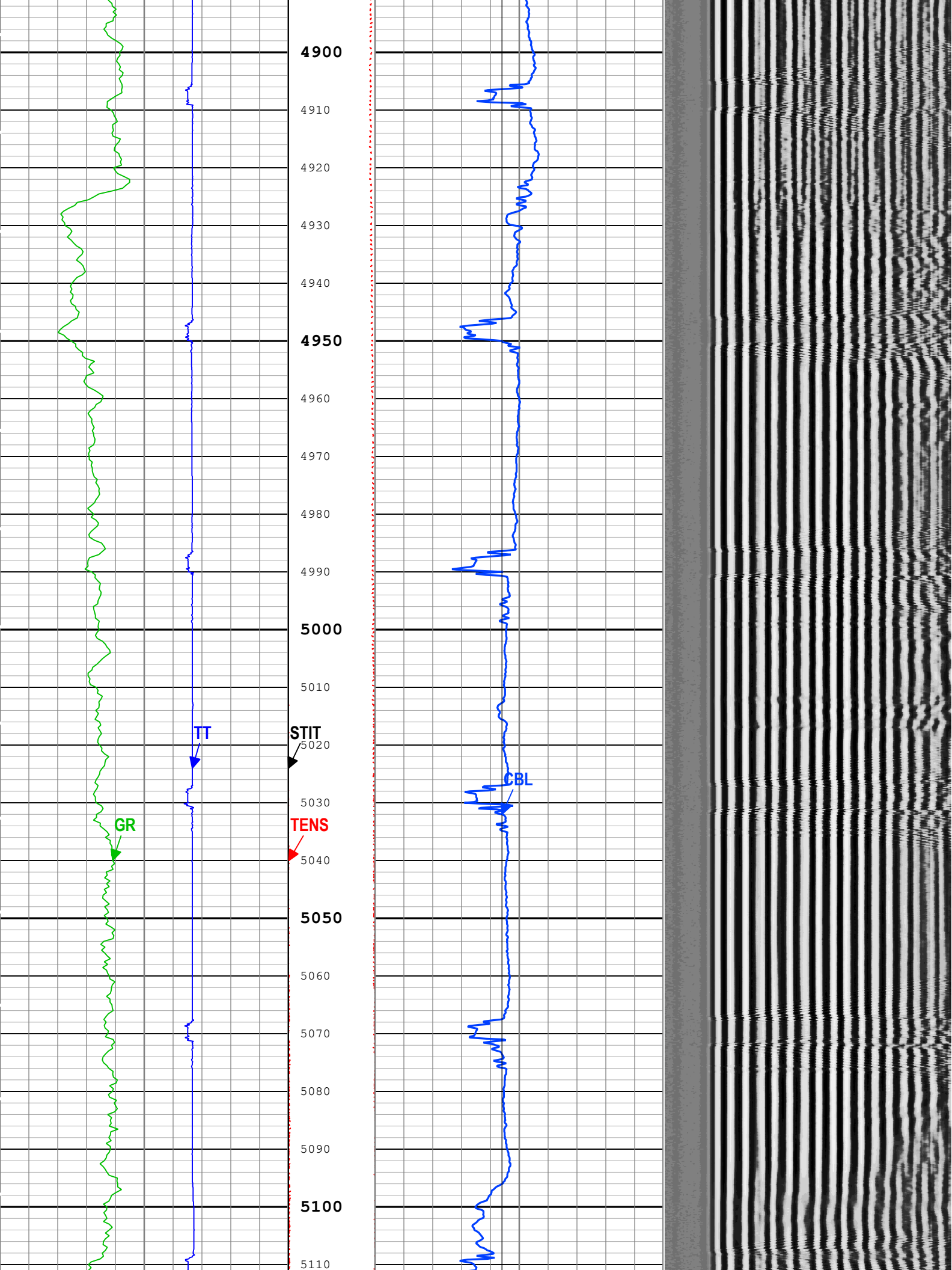


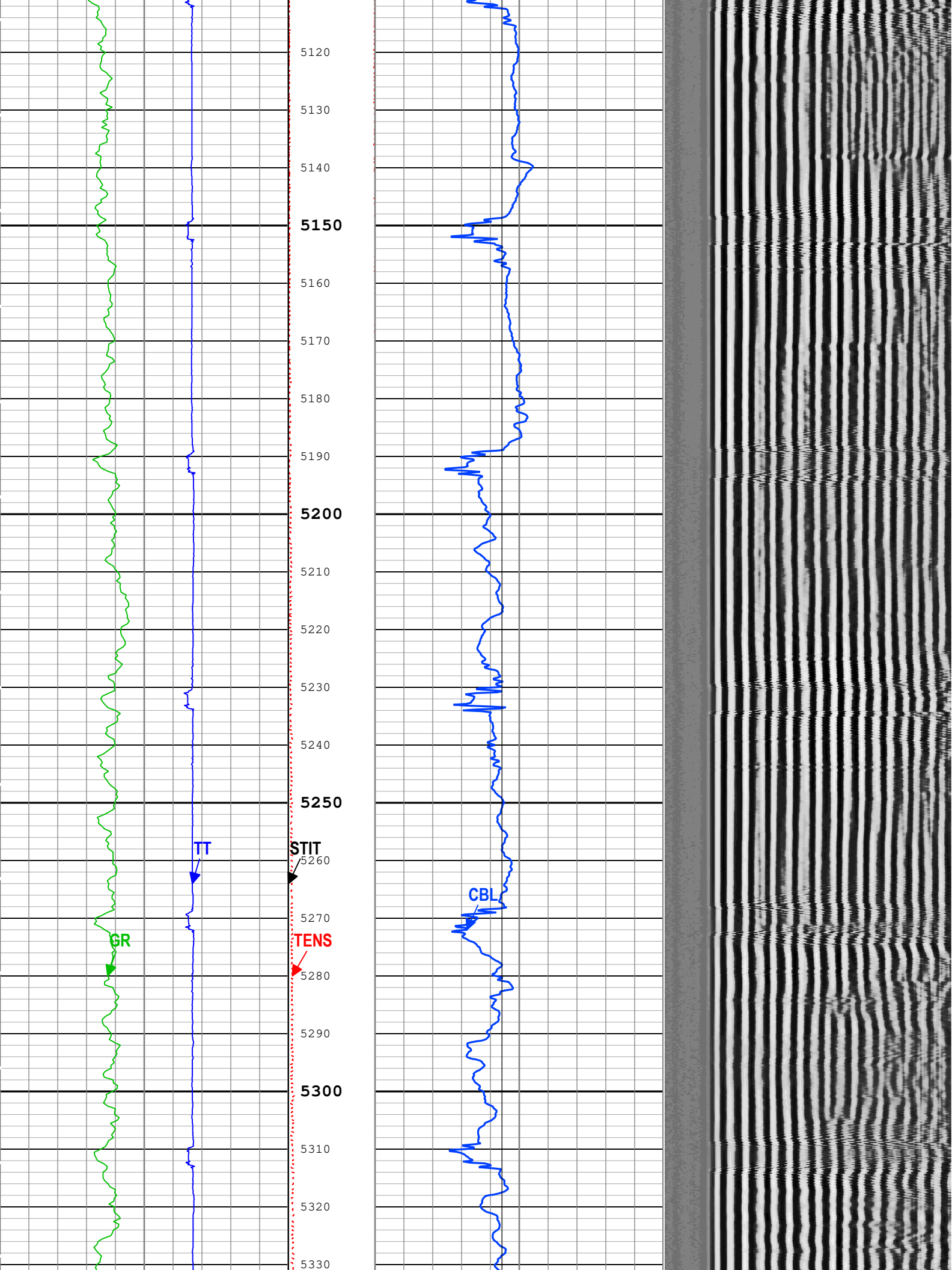


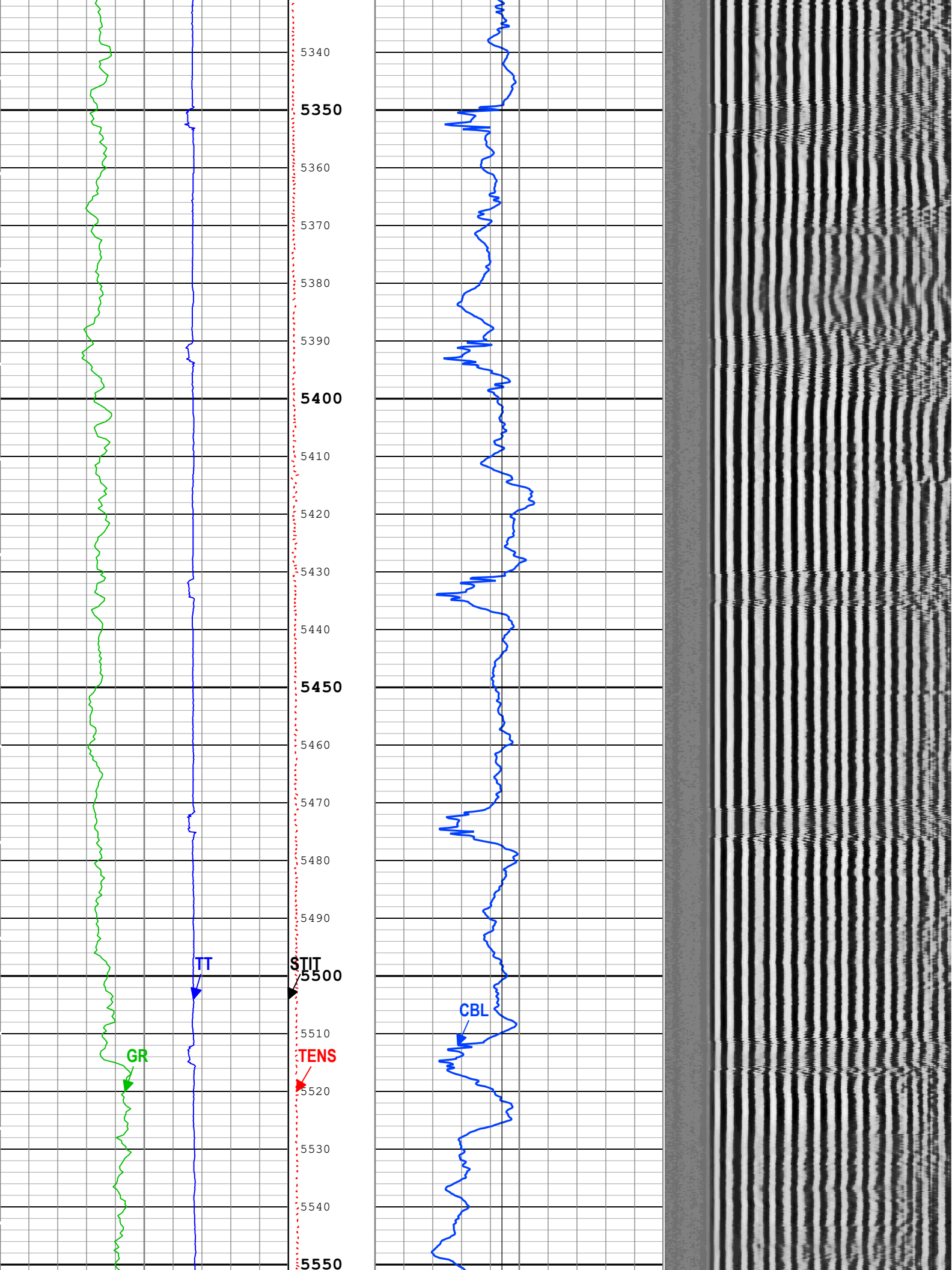


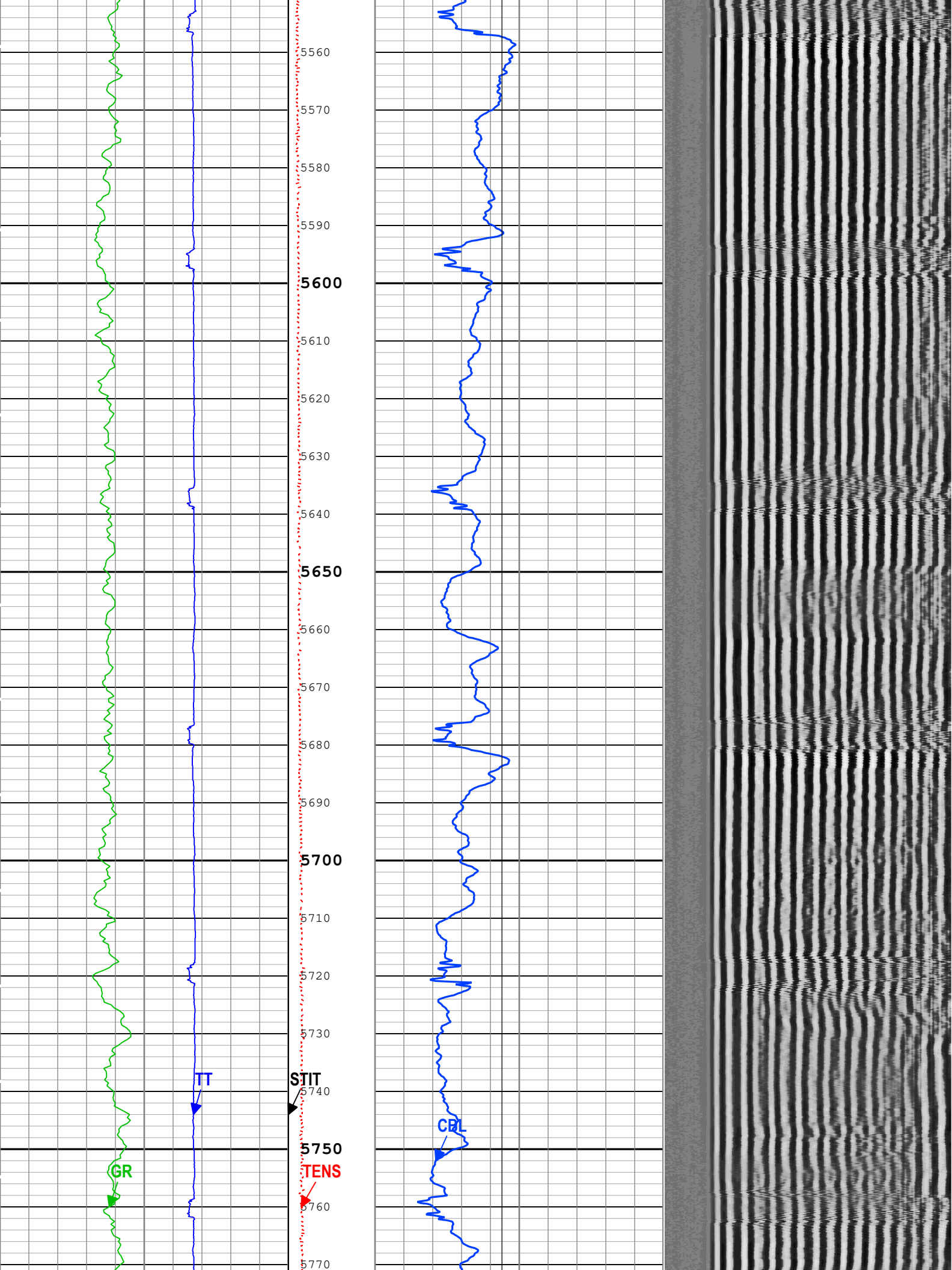


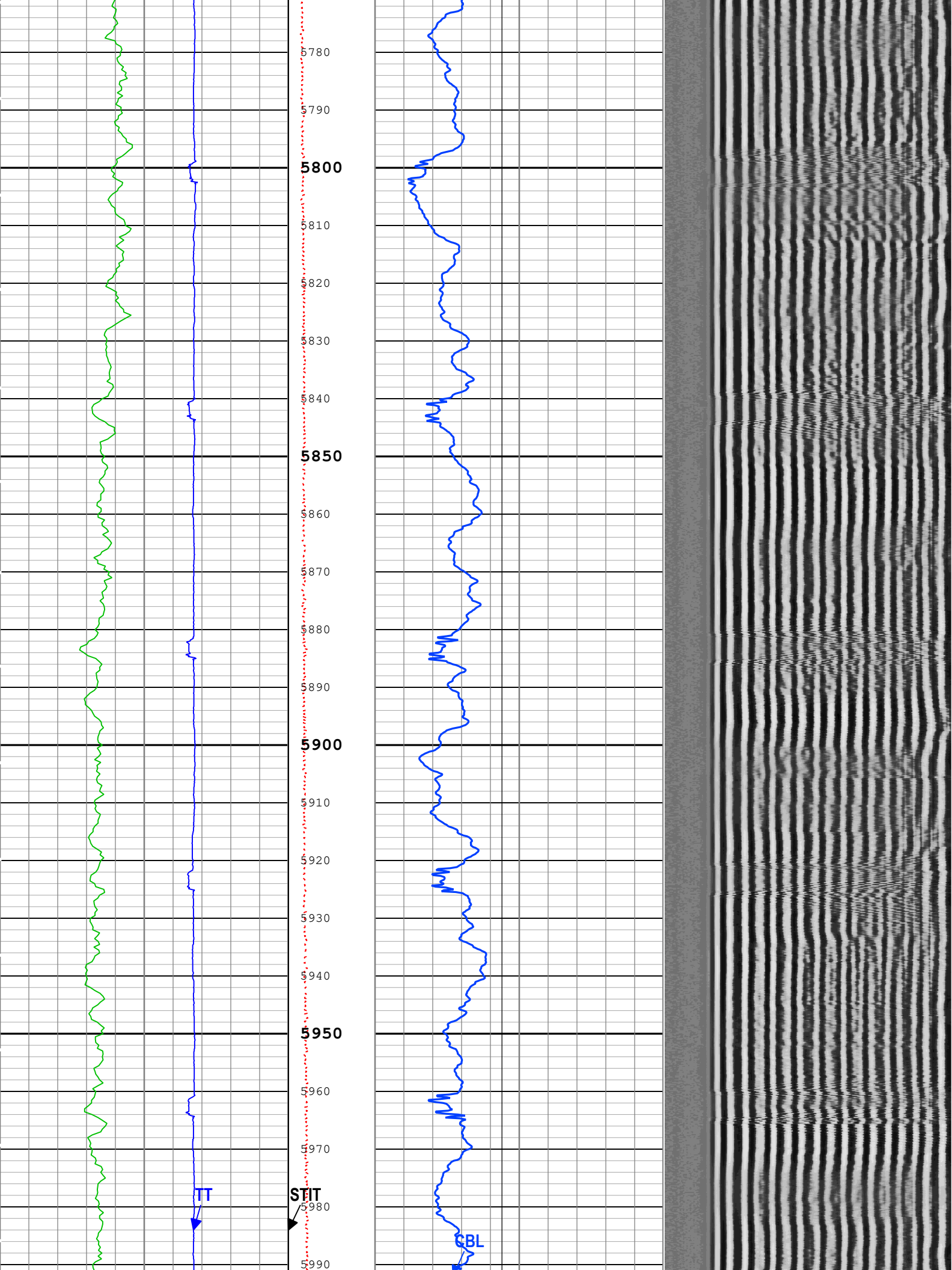


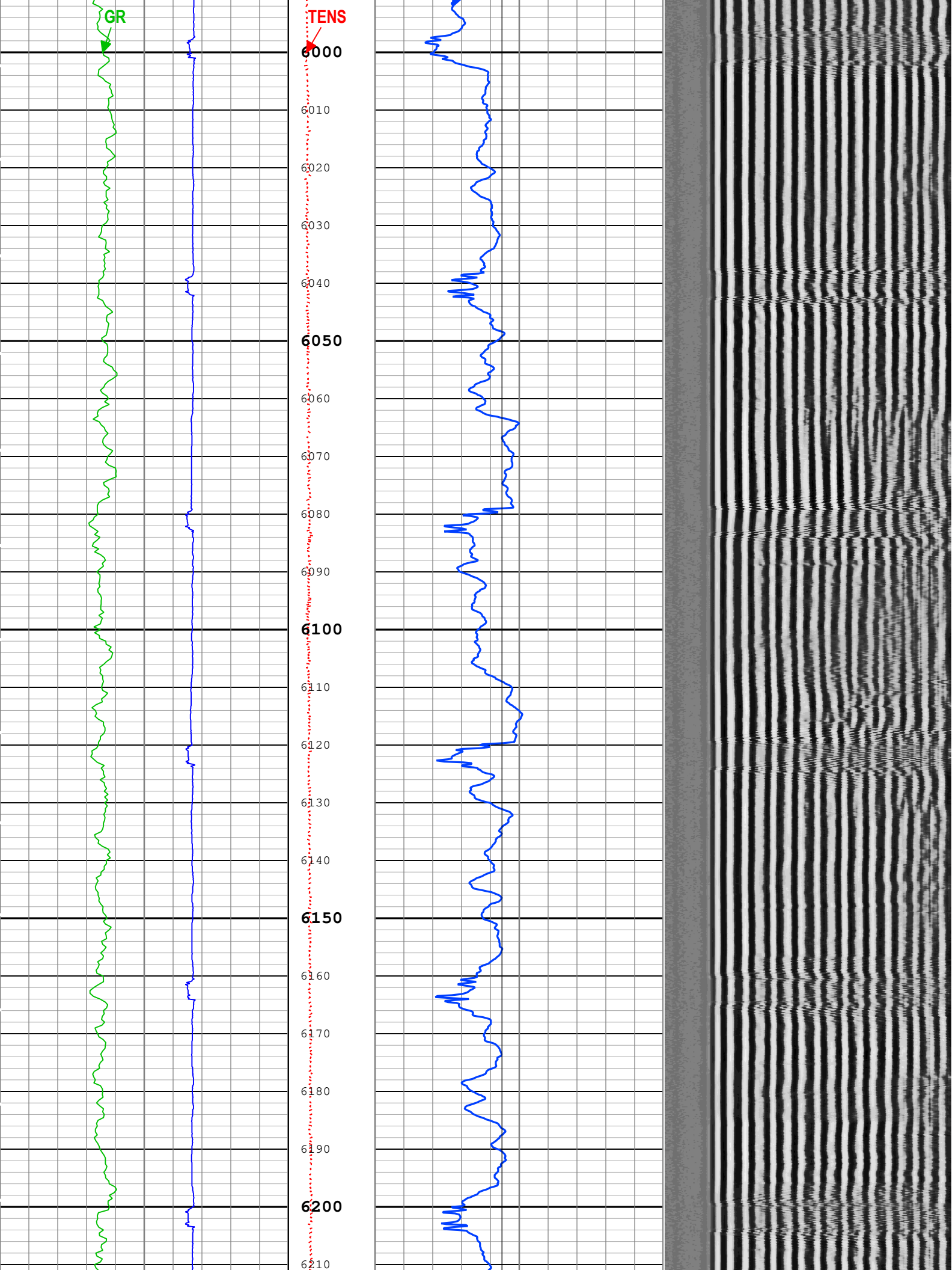


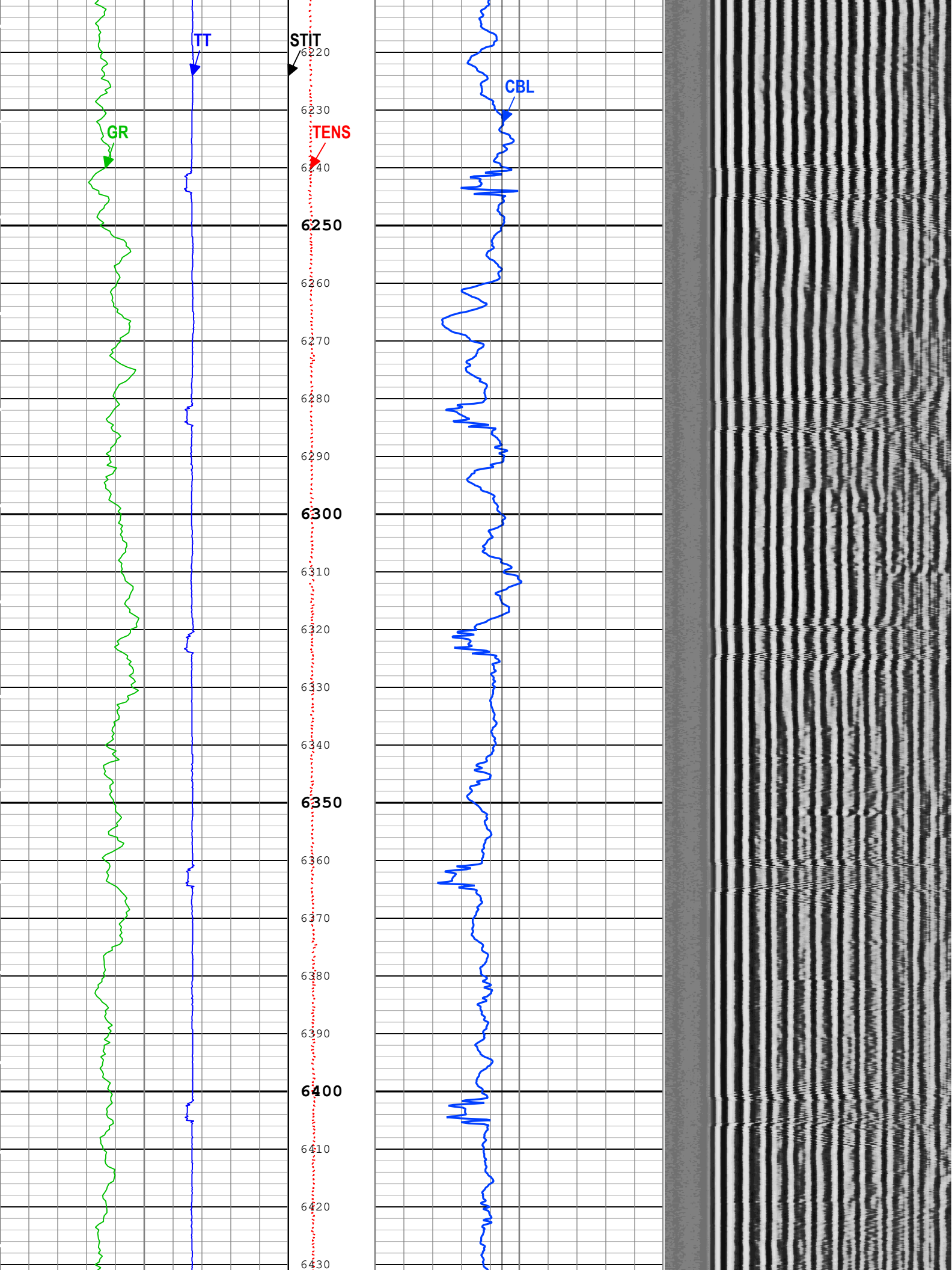


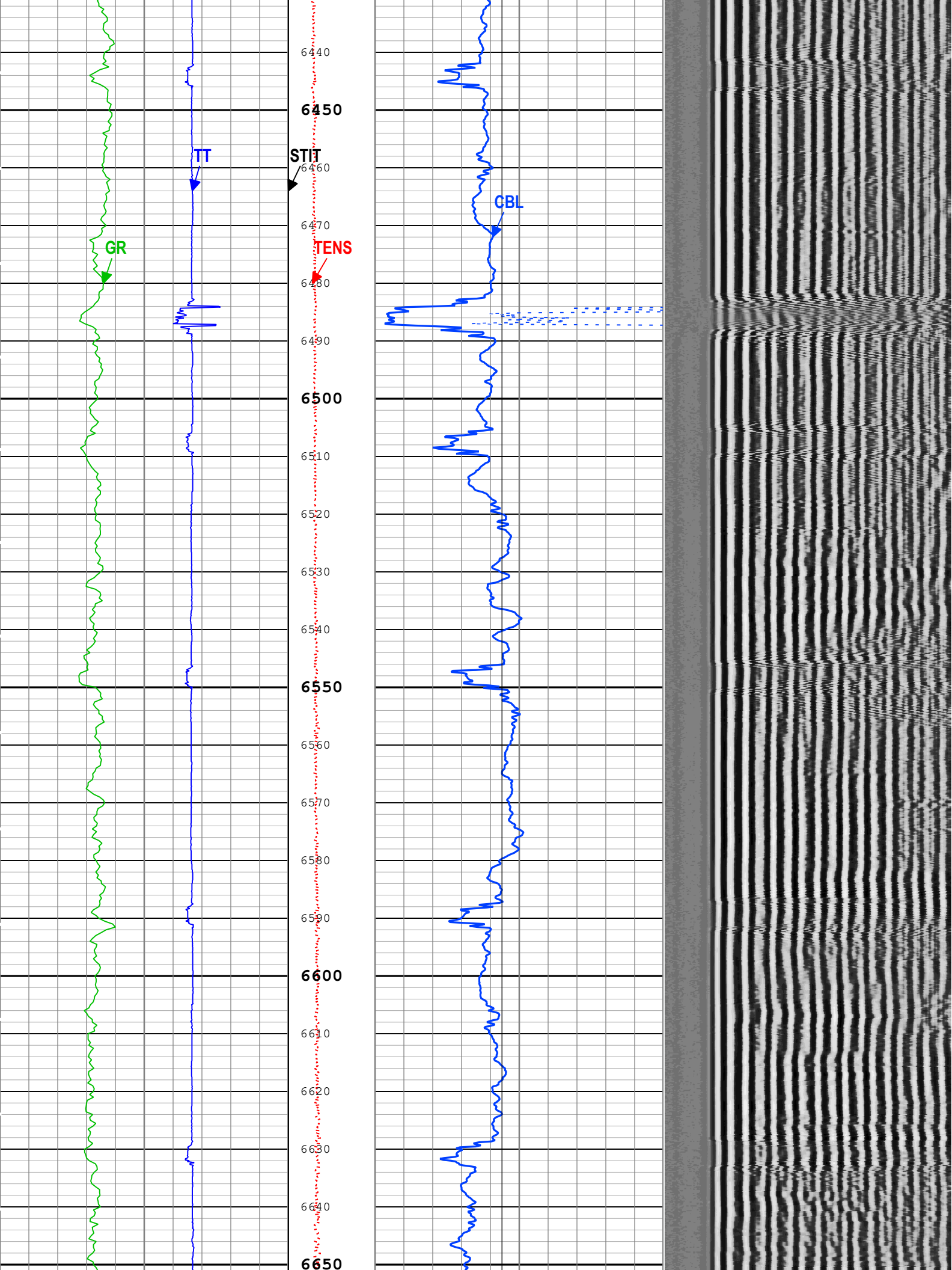


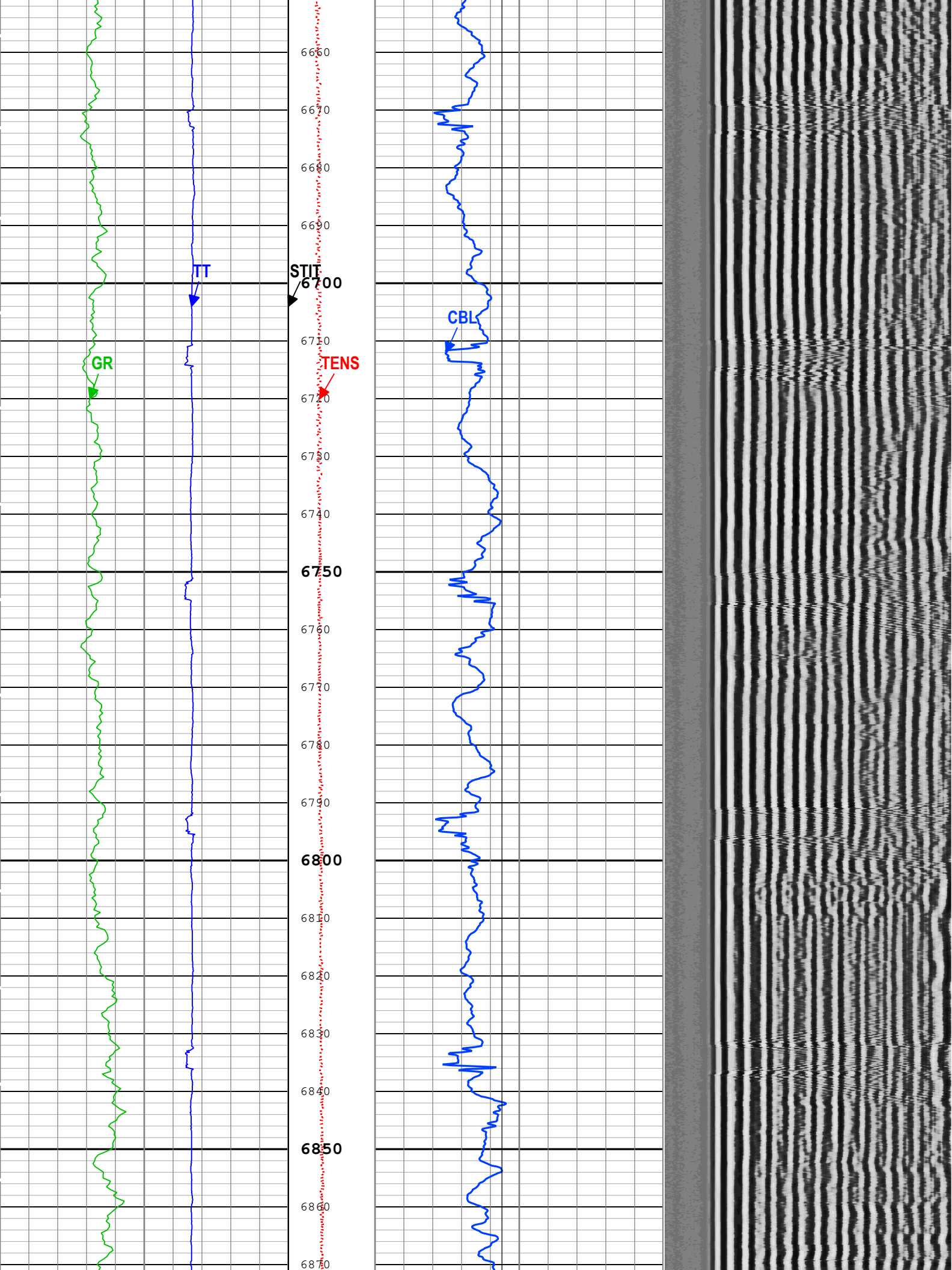


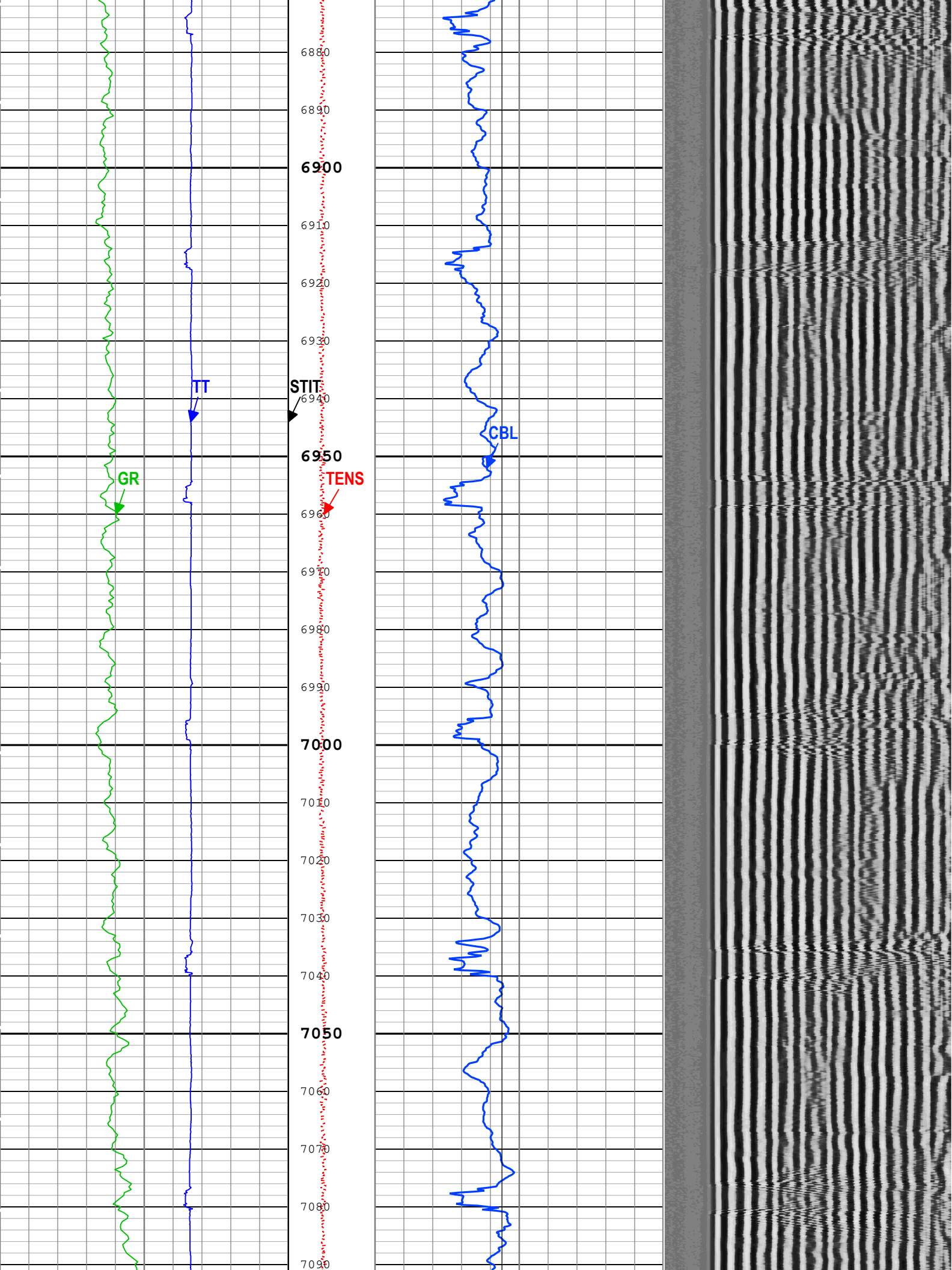


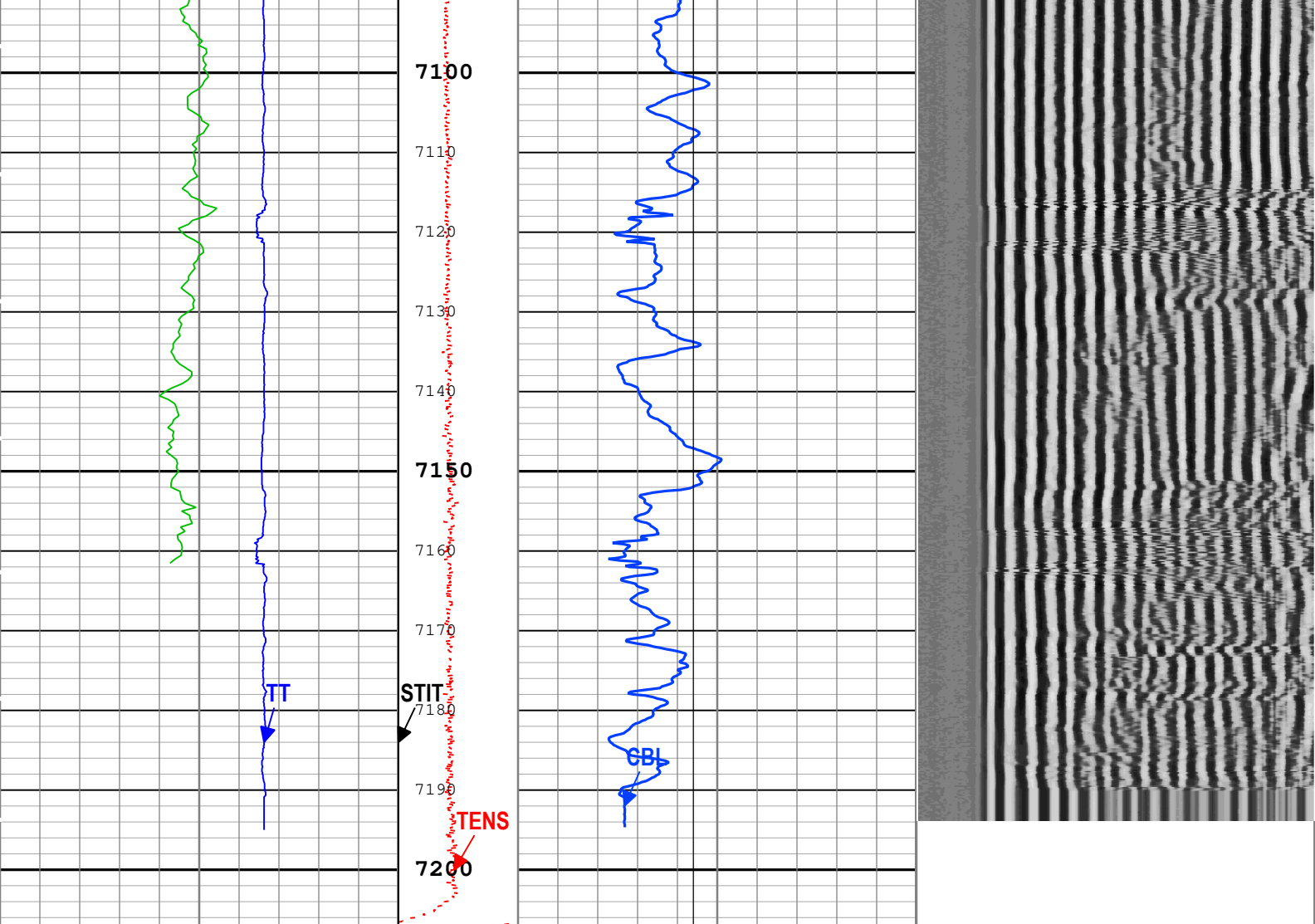













Gamma Ray (GR) PSTP-A		Cable Tension (TENS)	CBL Amplitude (CBL) SCMT-CB		Min	Amplitude		Max	
0	gAPI		0	mV		10			
Transit Time for CBL (TT) SCMT-CB		0 lbf 2000	CBL Amplitude (CBL) SCMT-CB		200	VDL VariableDensity (VDL) SCMT-CB		1200	
400	us	200	0	mV		100	us		
		Stuck Tool Indicator, Total (STIT)	Good Bond (GOBO)						
		0 ft 50	0	mV					10
		GoodBond From CBL to GOBO							
		Cable Drag							
		Tool_Tot. Drag							

TIME_1900 - Time Marked every 60.00 (s)

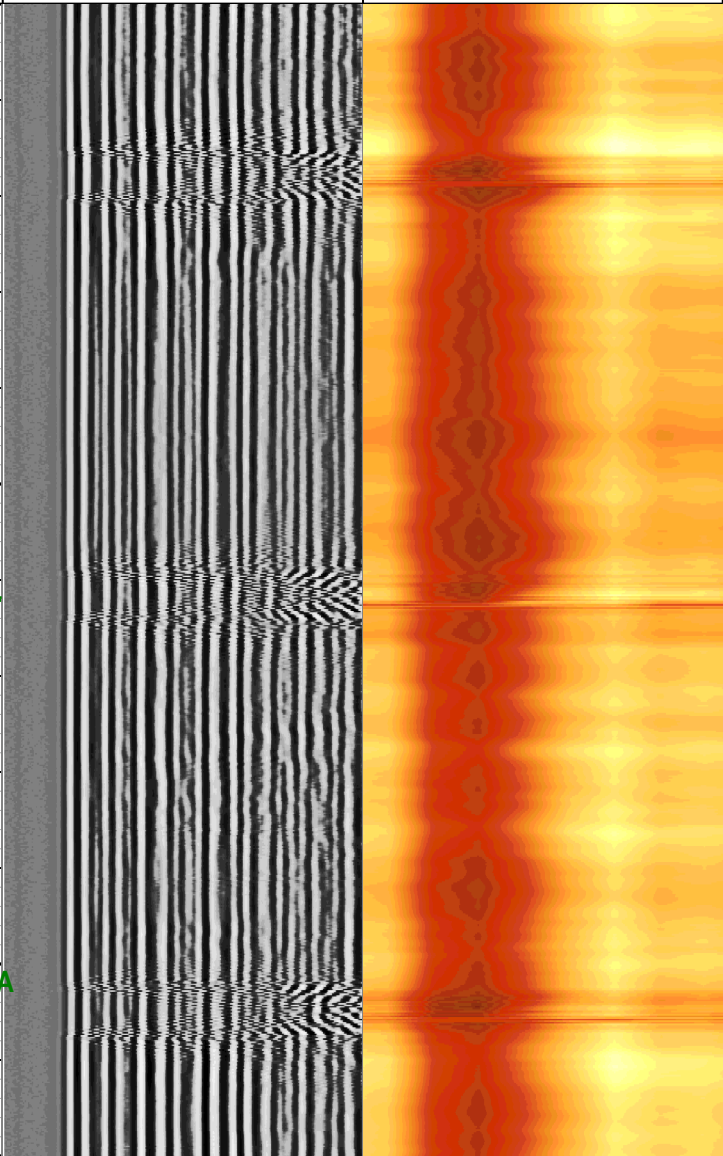
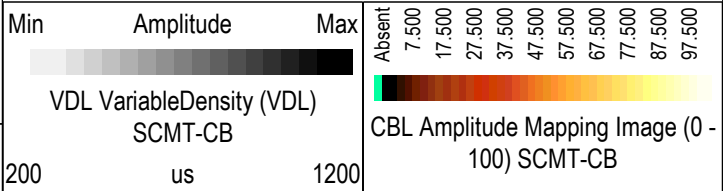
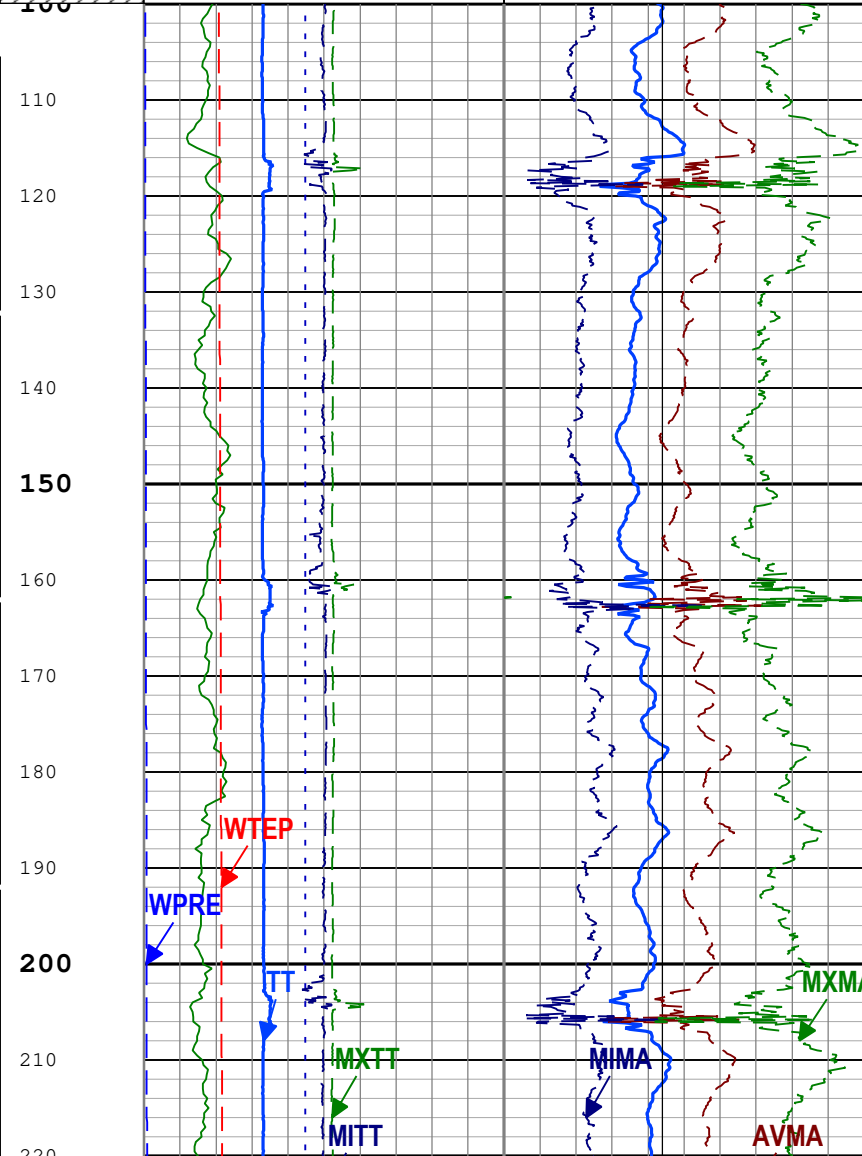
■ BIEP - Bond Index Event Pips SCMT-CB

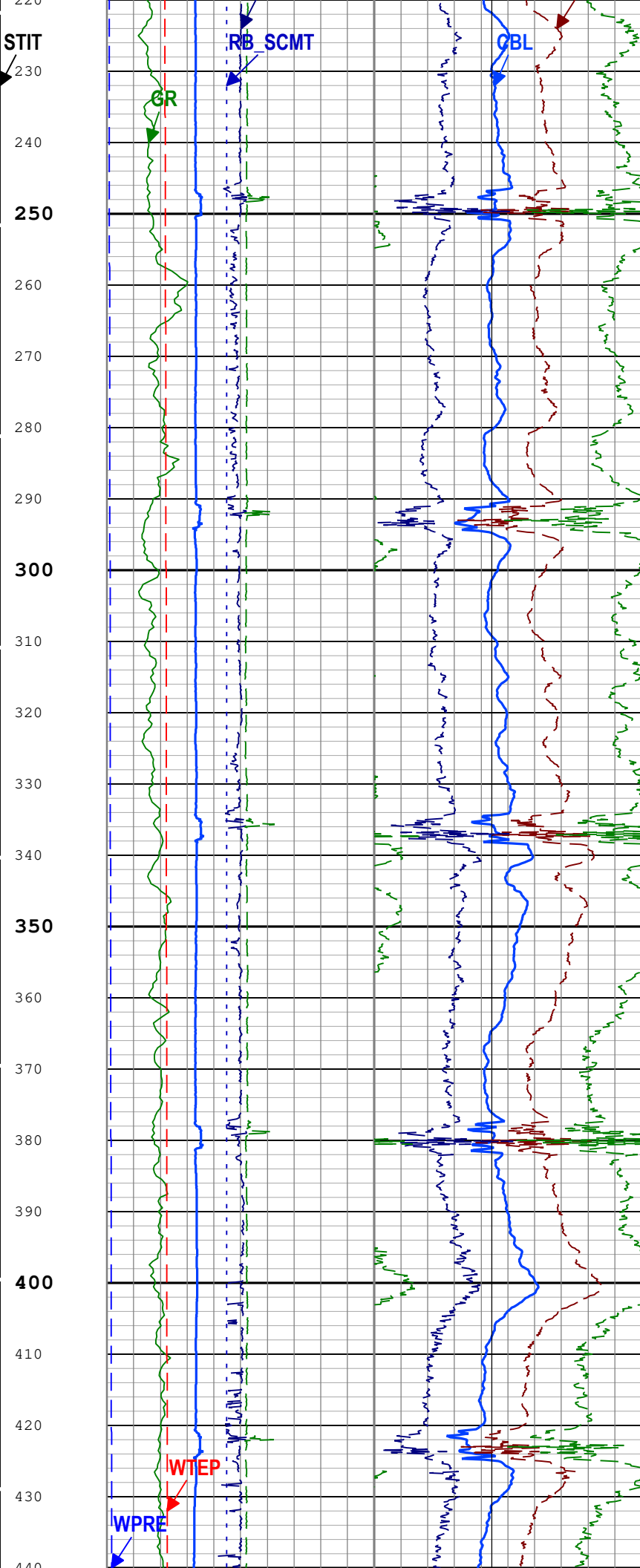
Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 17-May-2019 21:44:19

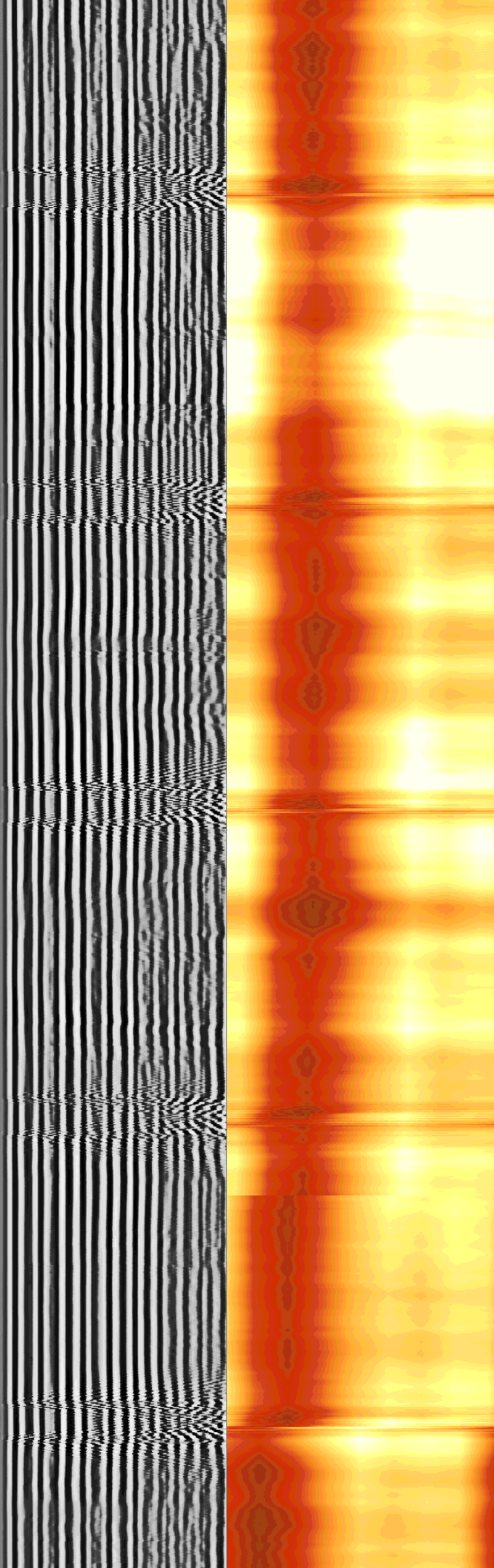
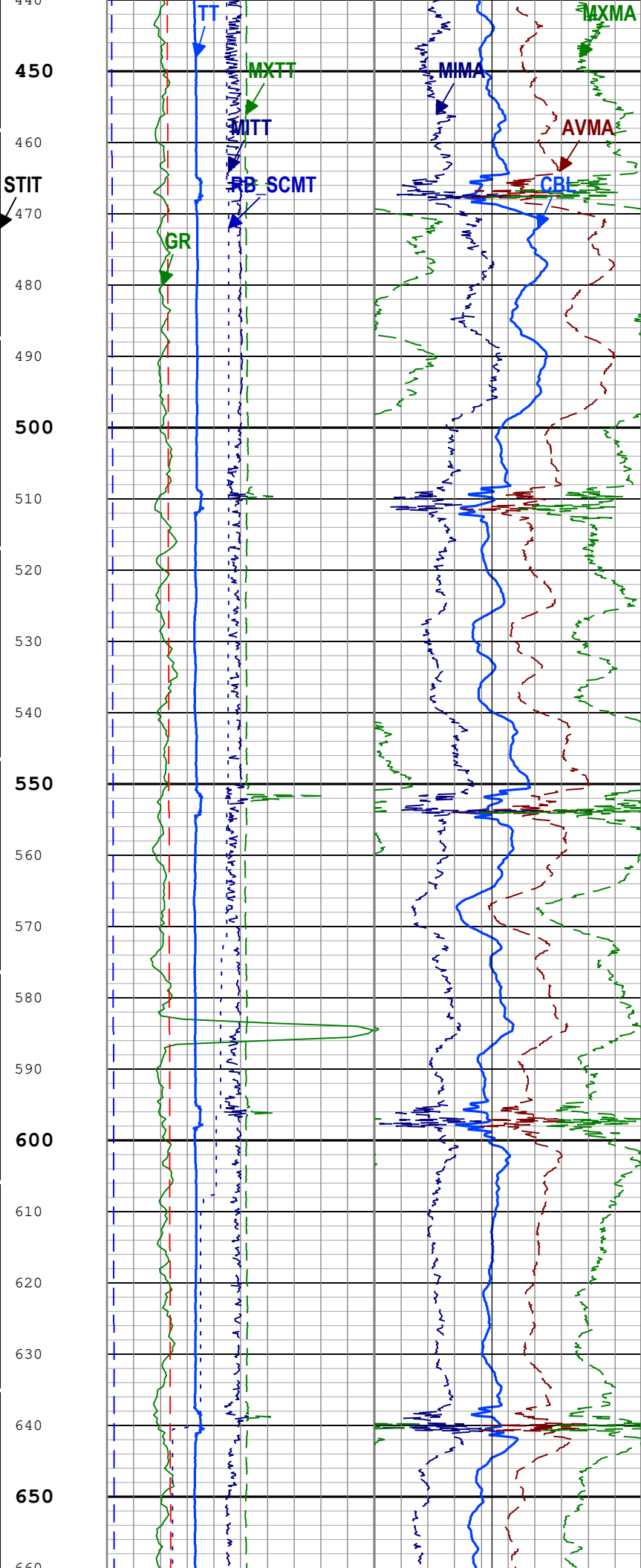
Channel Processing Parameters				
ONE: Parameters				
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	229.31	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	235.75	us
CBLG	CBL Gate Width	SCMT-CB	42	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	72	mV

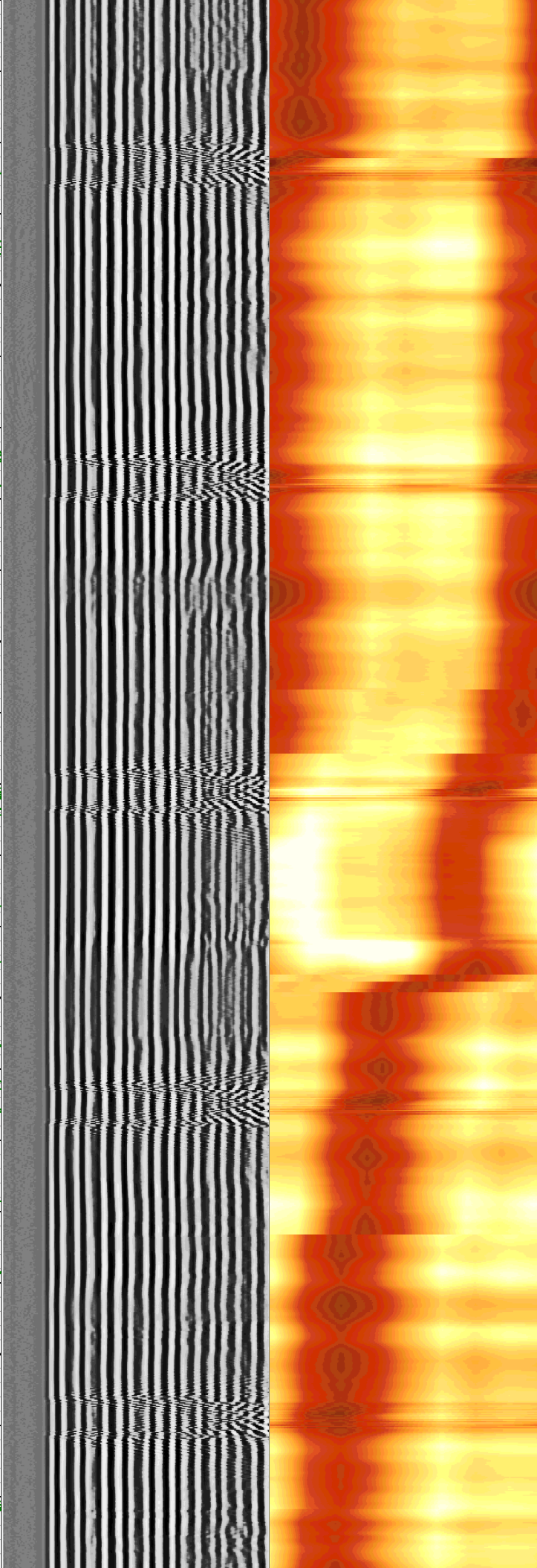
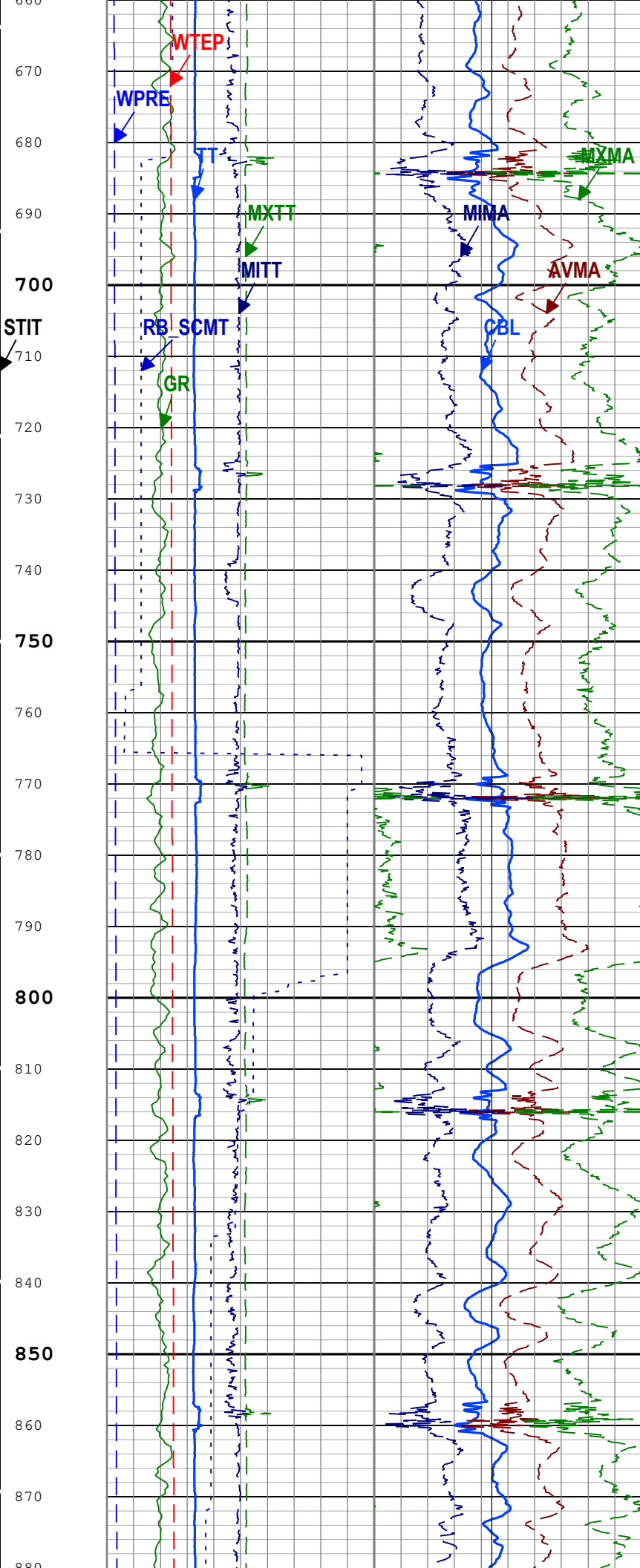
TIME_1900 - Time Marked every 60.00 (s)

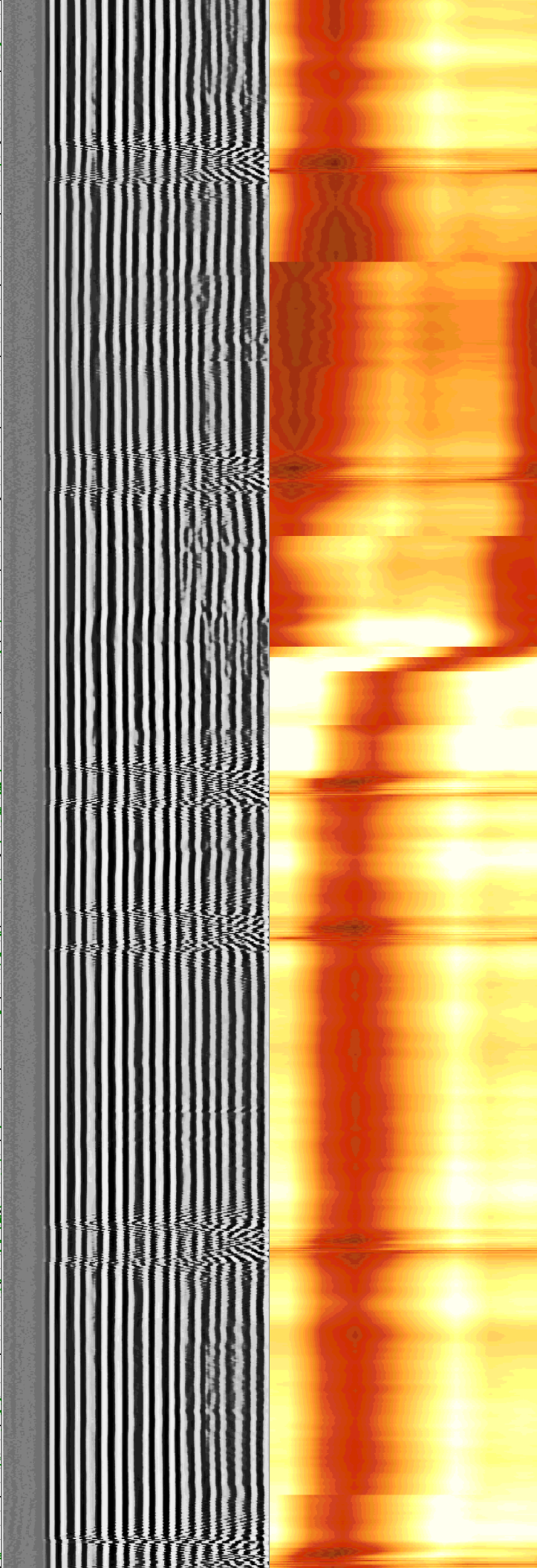
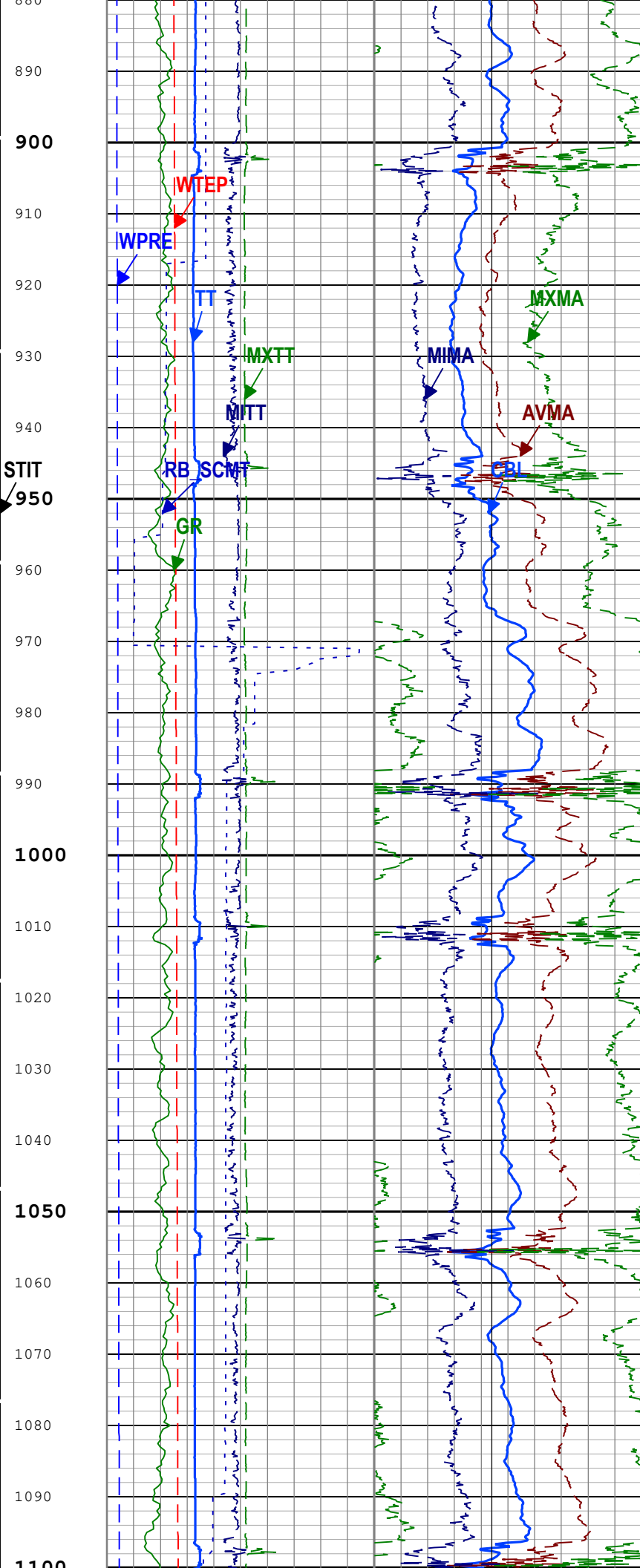
Gamma Ray (GR) PSTP-A			CBL Amplitude (CBL) SCMT-CB		
0	gAPI	150	0	mV	10
Relative Bearing (RB_SCMT) SCMT-CB			CBL Amplitude (CBL) SCMT-CB		
0	deg	360	0	mV	100
Minimum MAP Transit Time (MITT) SCMT-CB			Good Bond (GOBO)		
100	us	300	0	mV	10
Maximum MAP Transit Time (MXTT) SCMT-CB			Normalized Average MAP Amplitude (AVMA) SCMT-CB		
100	us	300	0	mV	100
Transit Time for CBL (TT) SCMT-CB			Normalized Minimum MAP Amplitude (MIMA) SCMT-CB		
200	us	400	0	mV	100
Well Pressure (WPRE) PSTP-A			Normalized Maximum MAP Amplitude (MXMA) SCMT-CB		
0	psi	10000	0	mV	100
Well Temperature (WTEP) PSTP-A			GoodBond From CBL to GOBO		
0	degF	300	200	us	1200

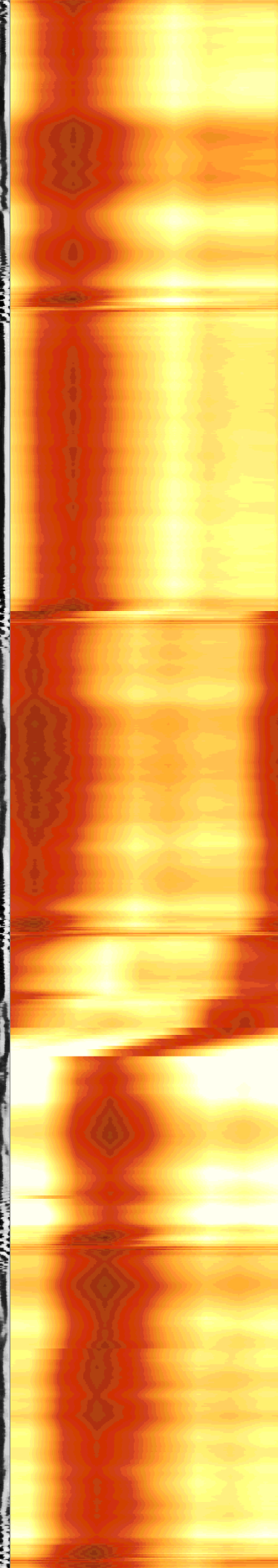
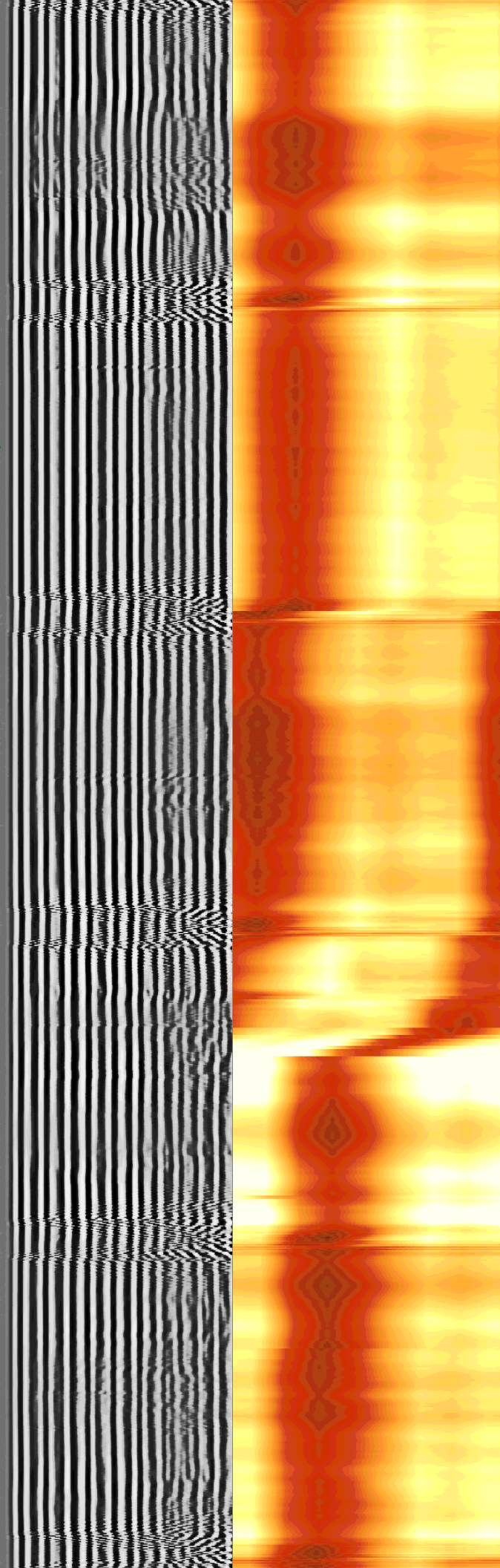
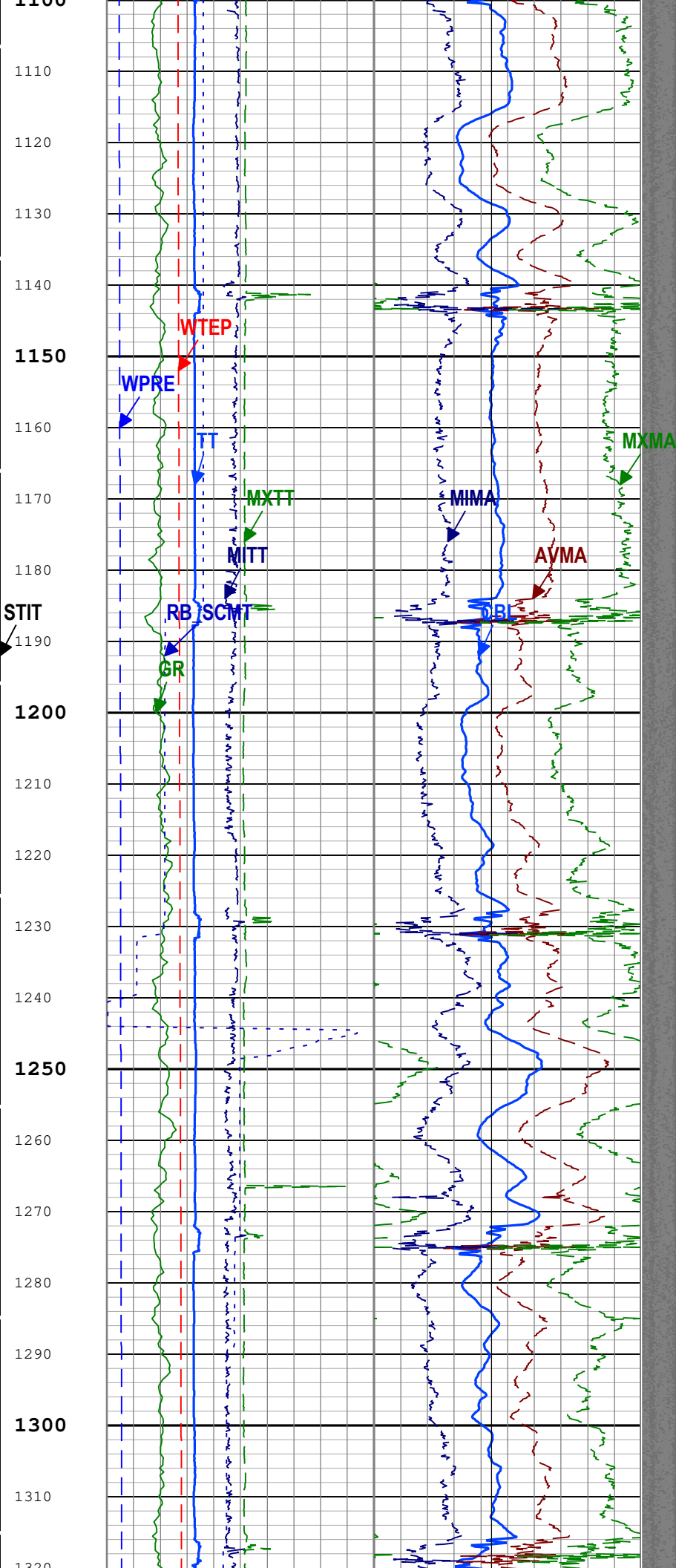


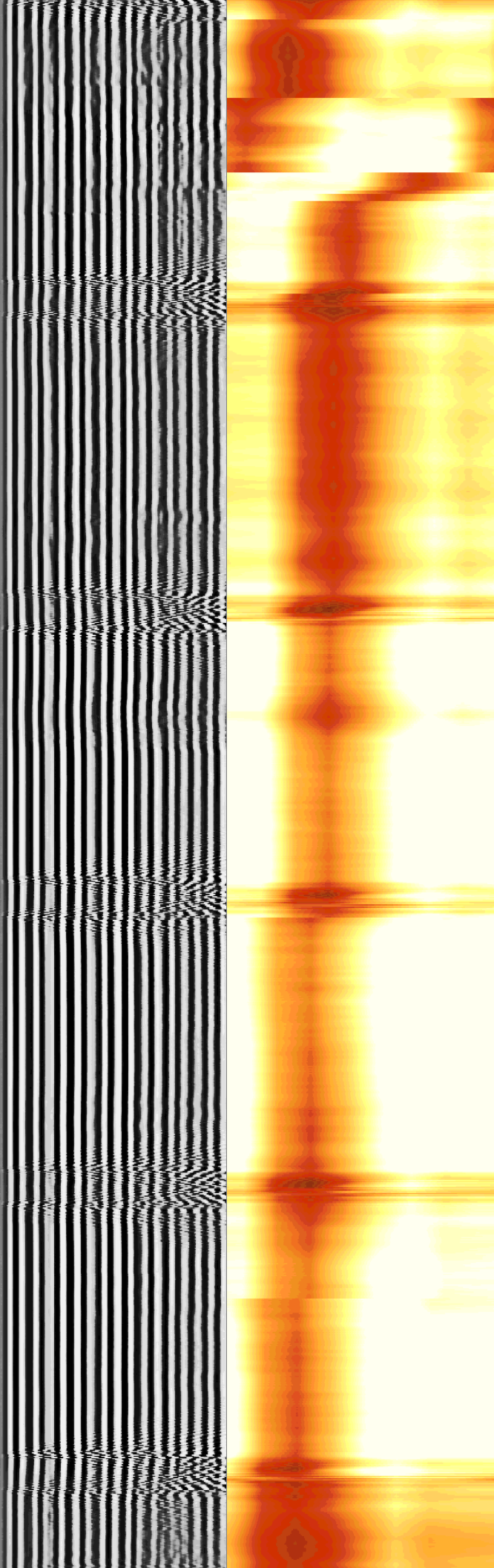
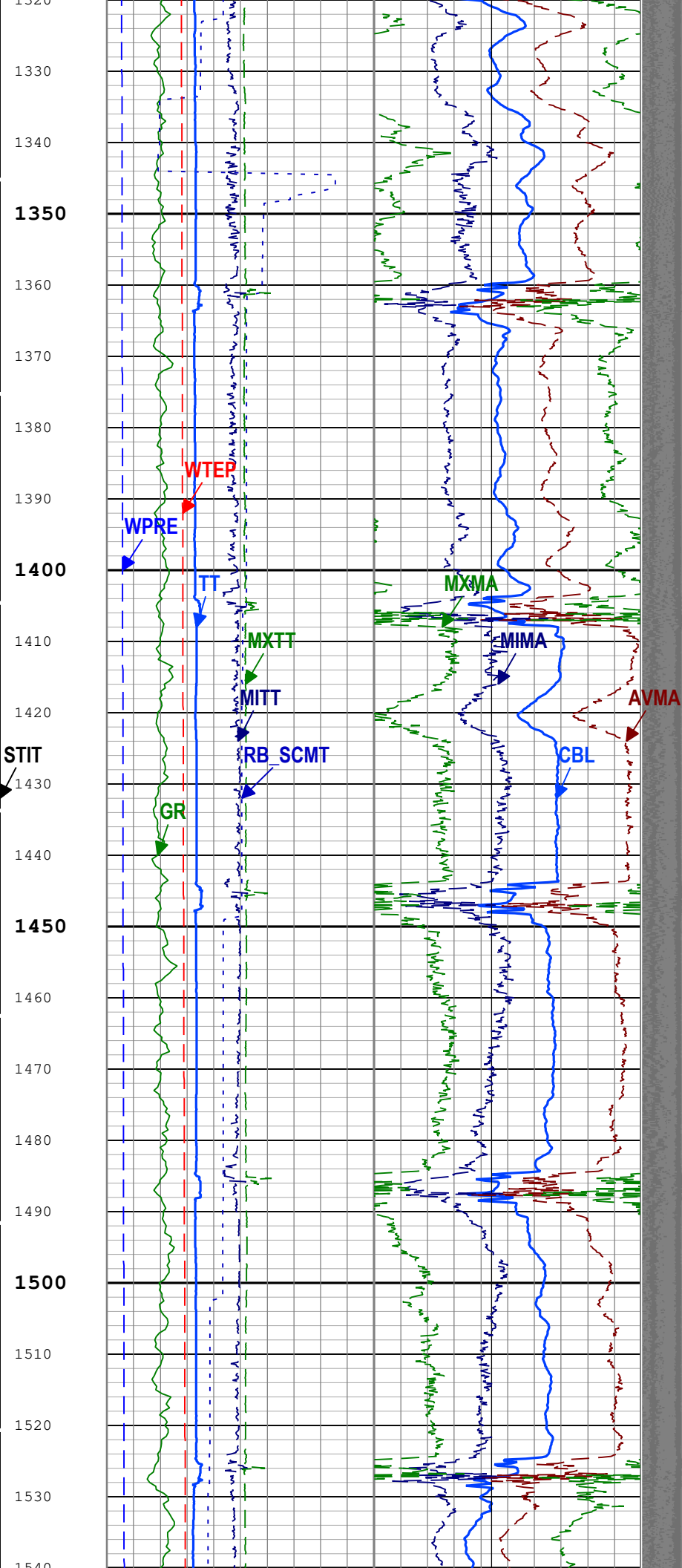


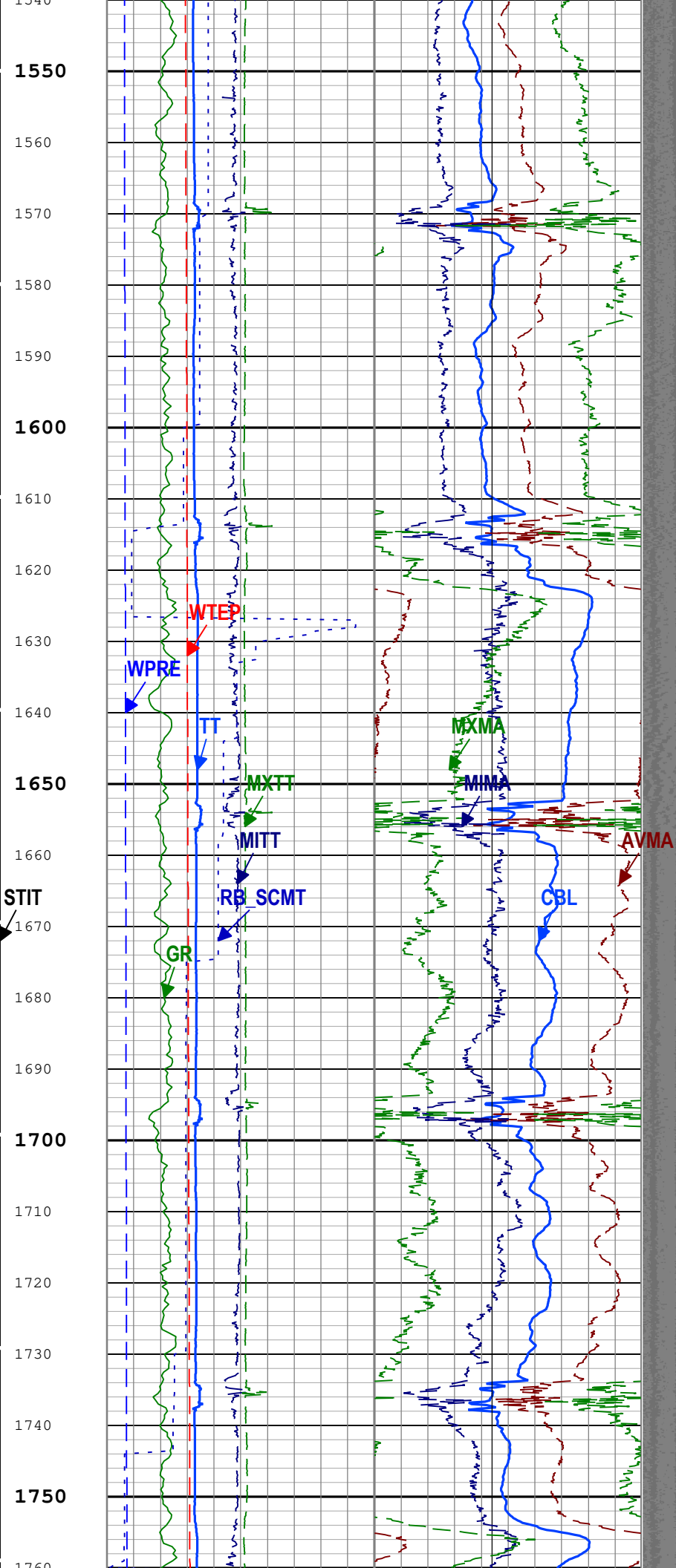


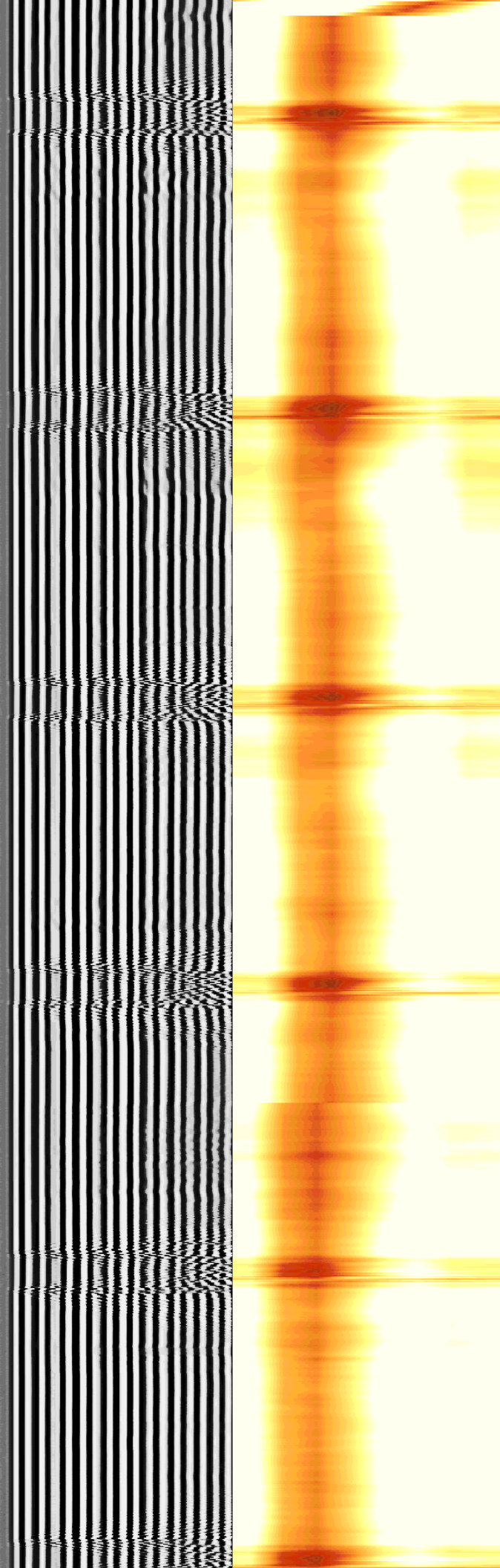
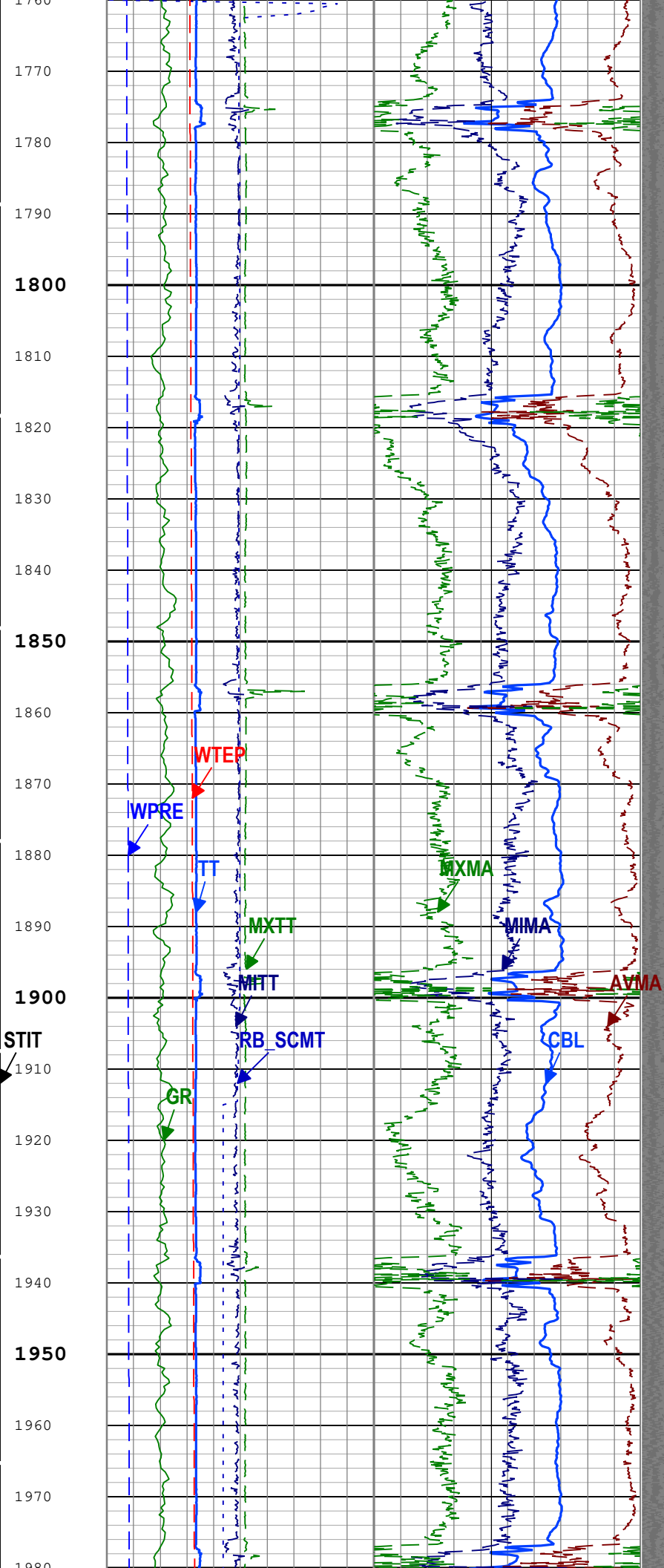


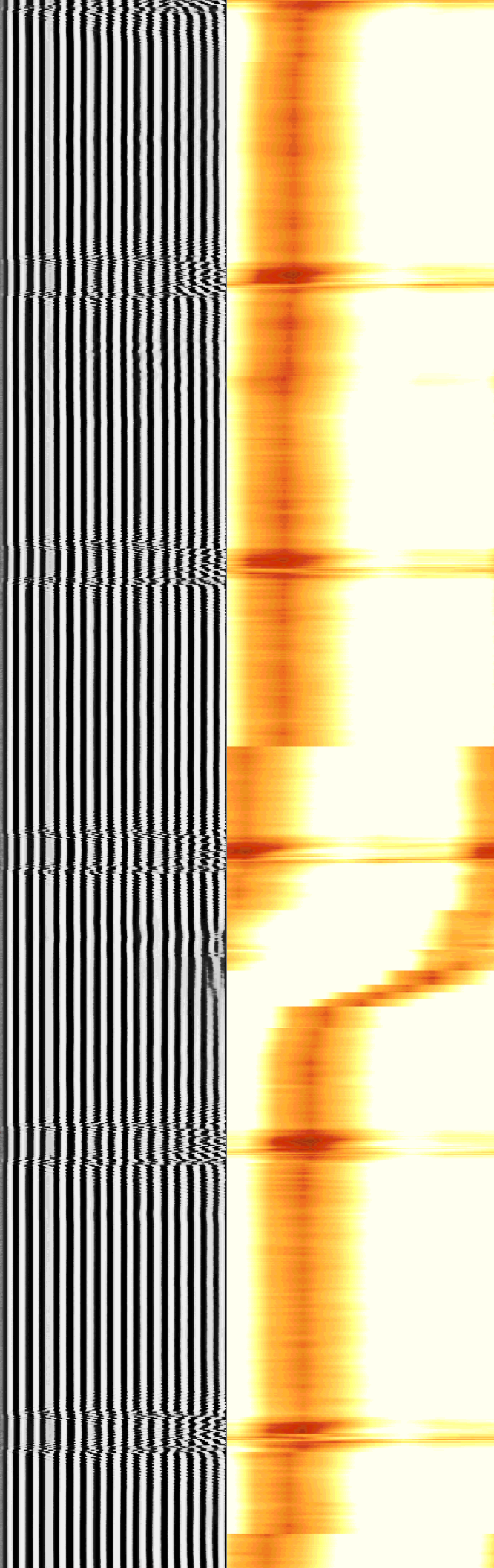
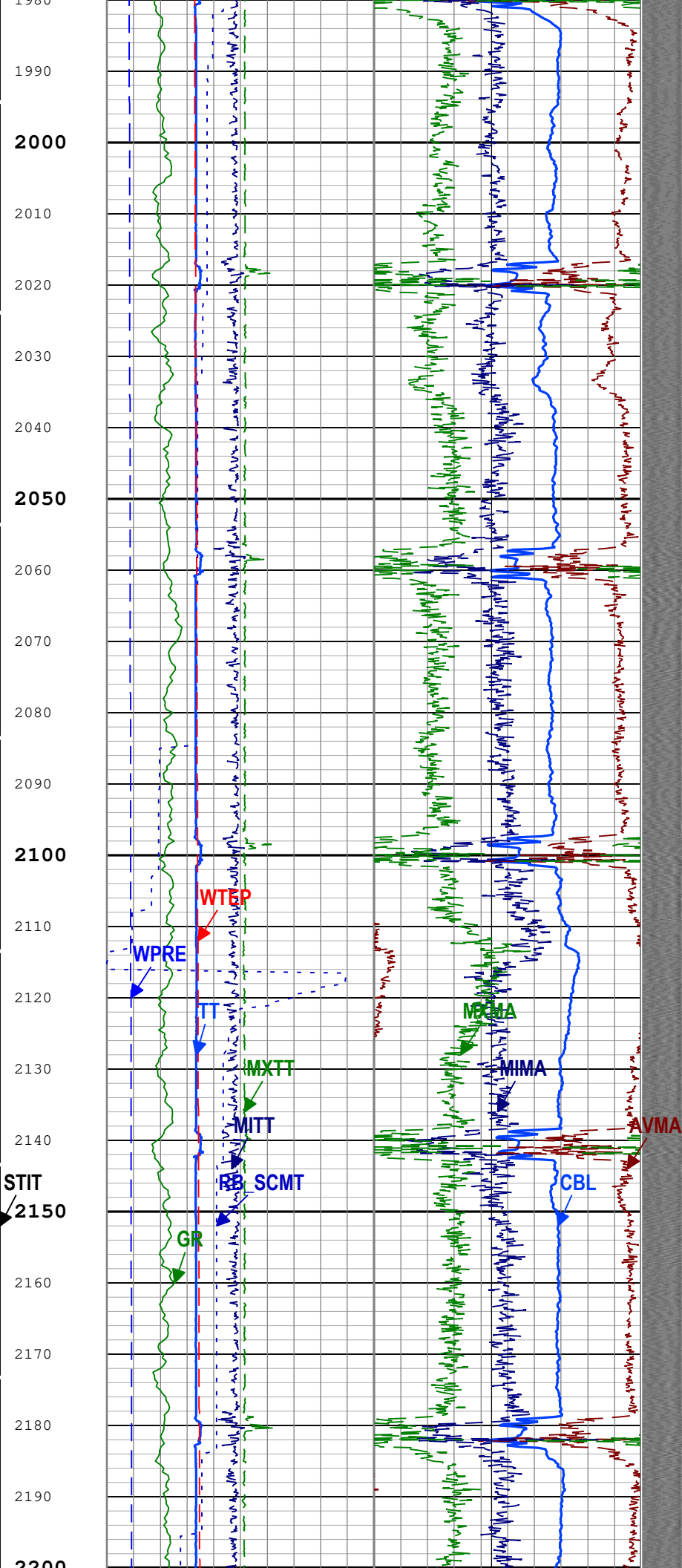


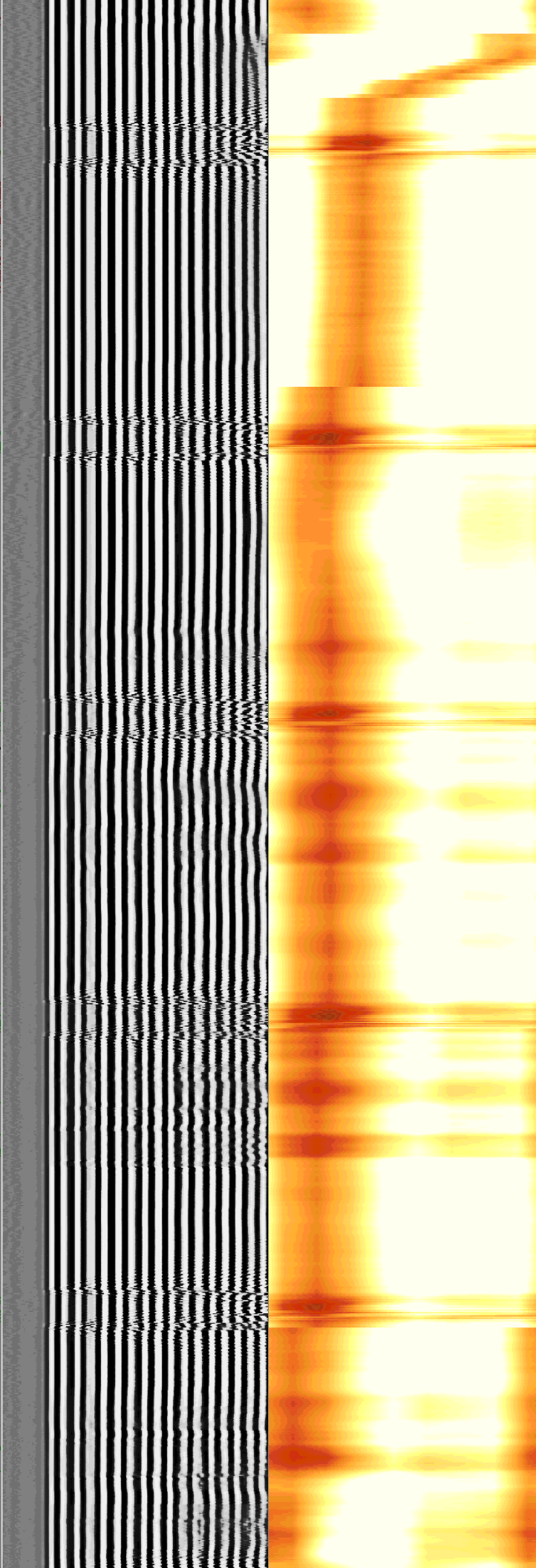
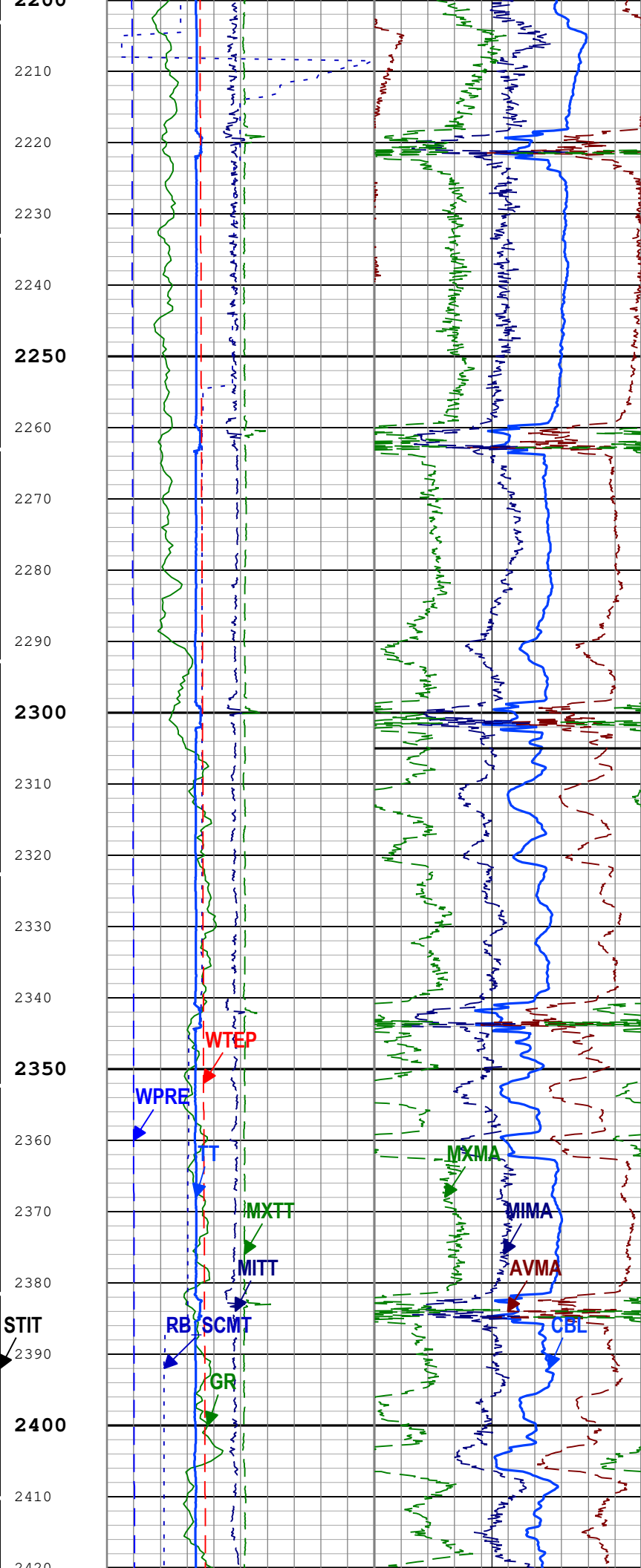


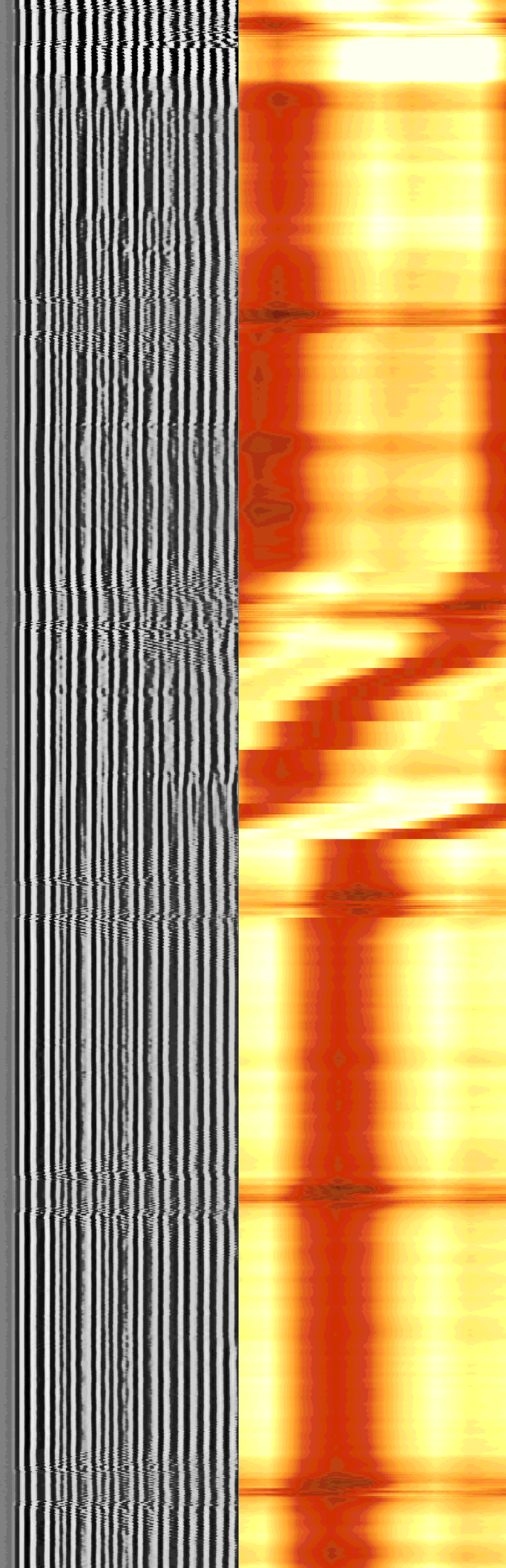
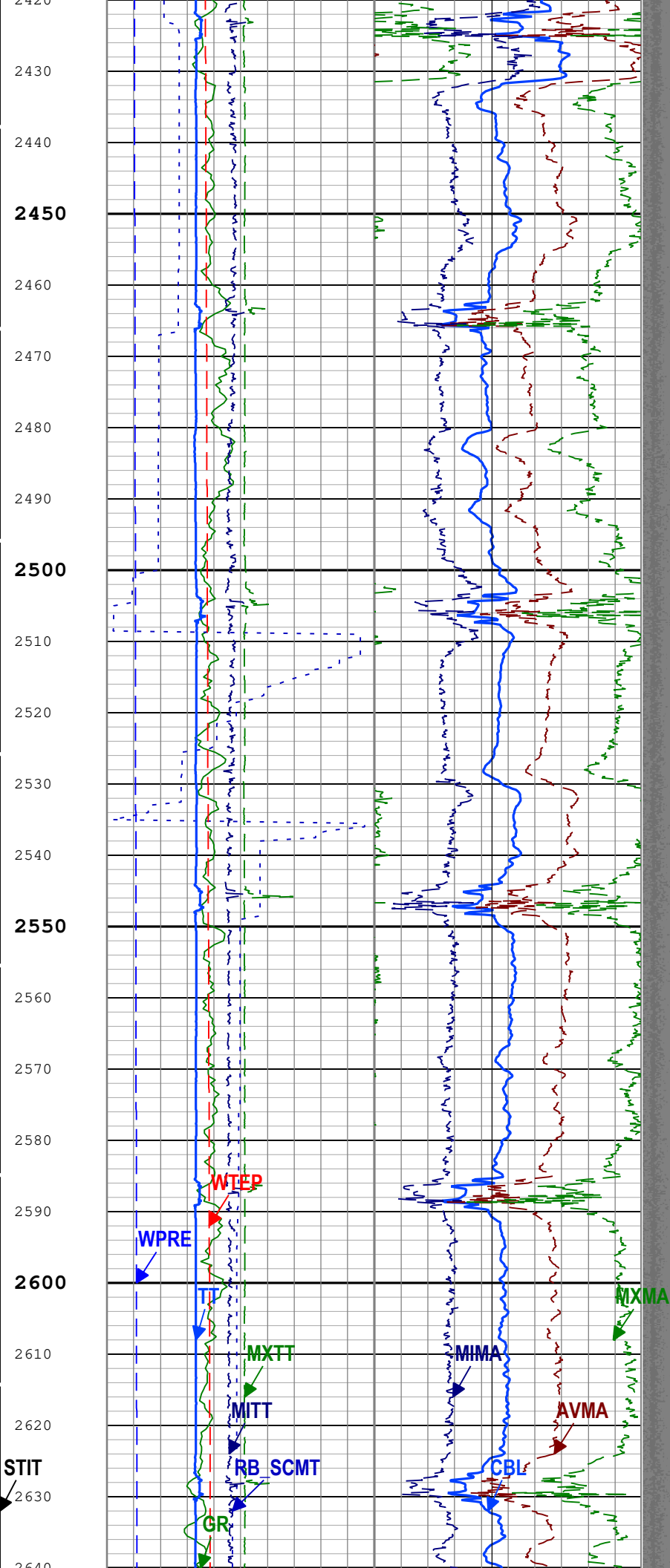


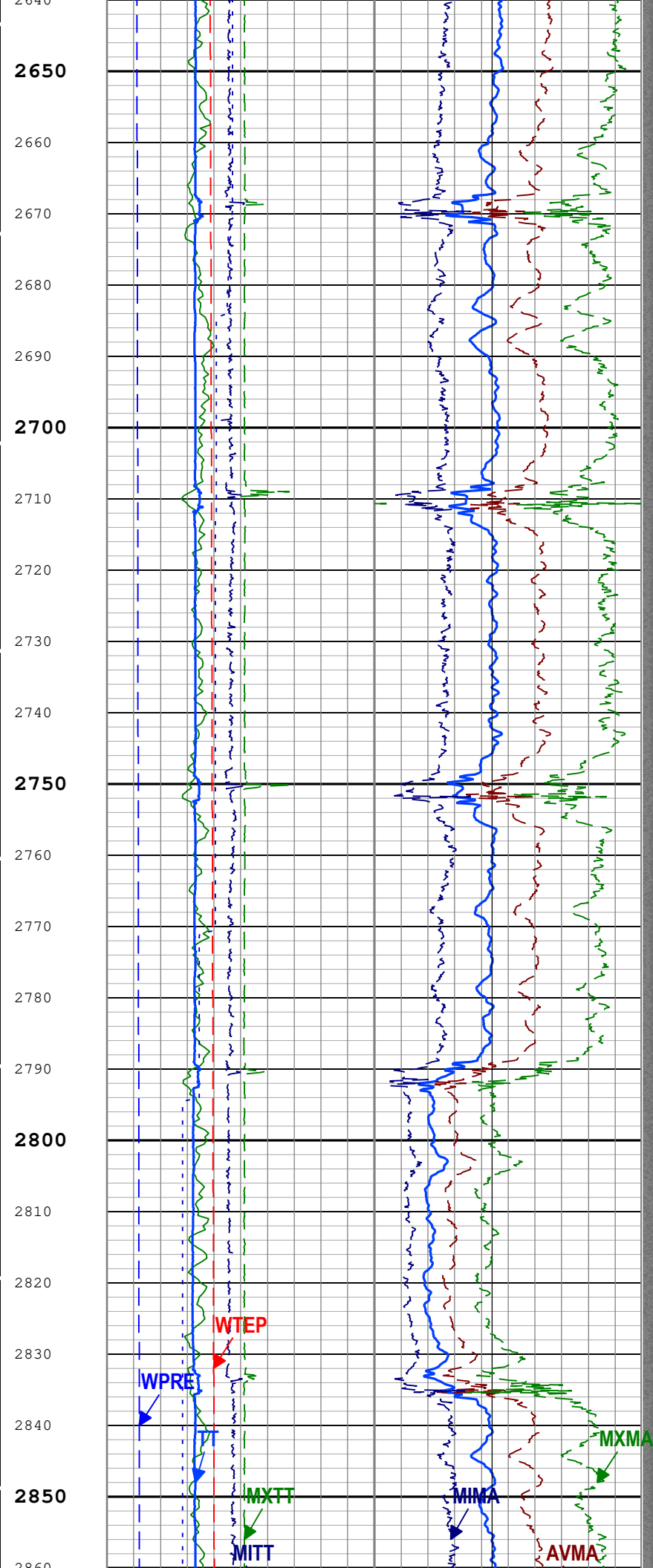


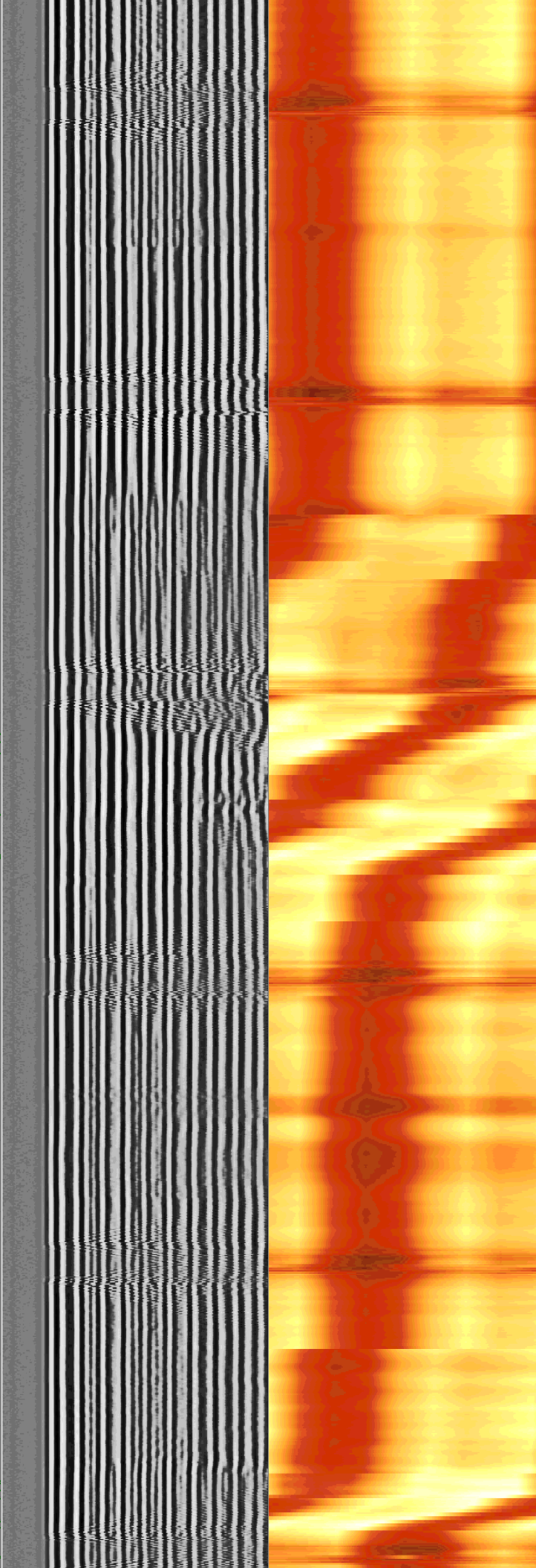
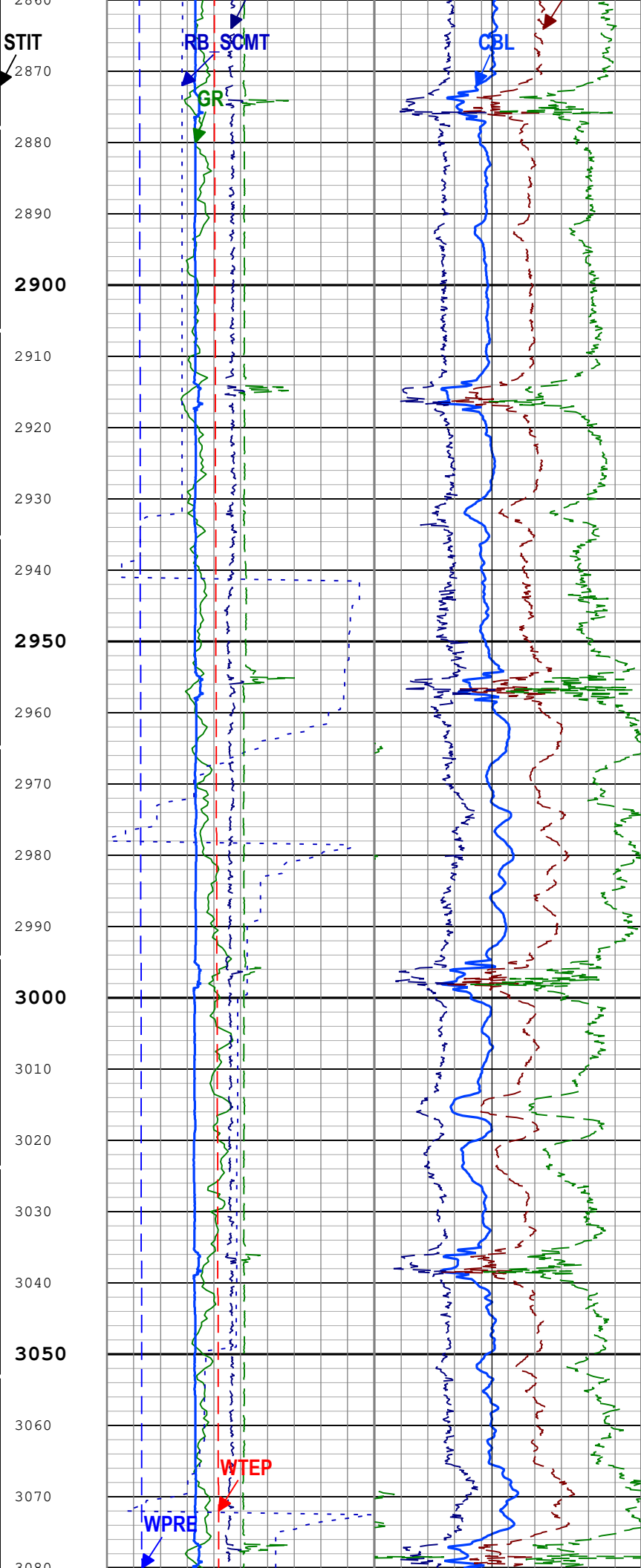


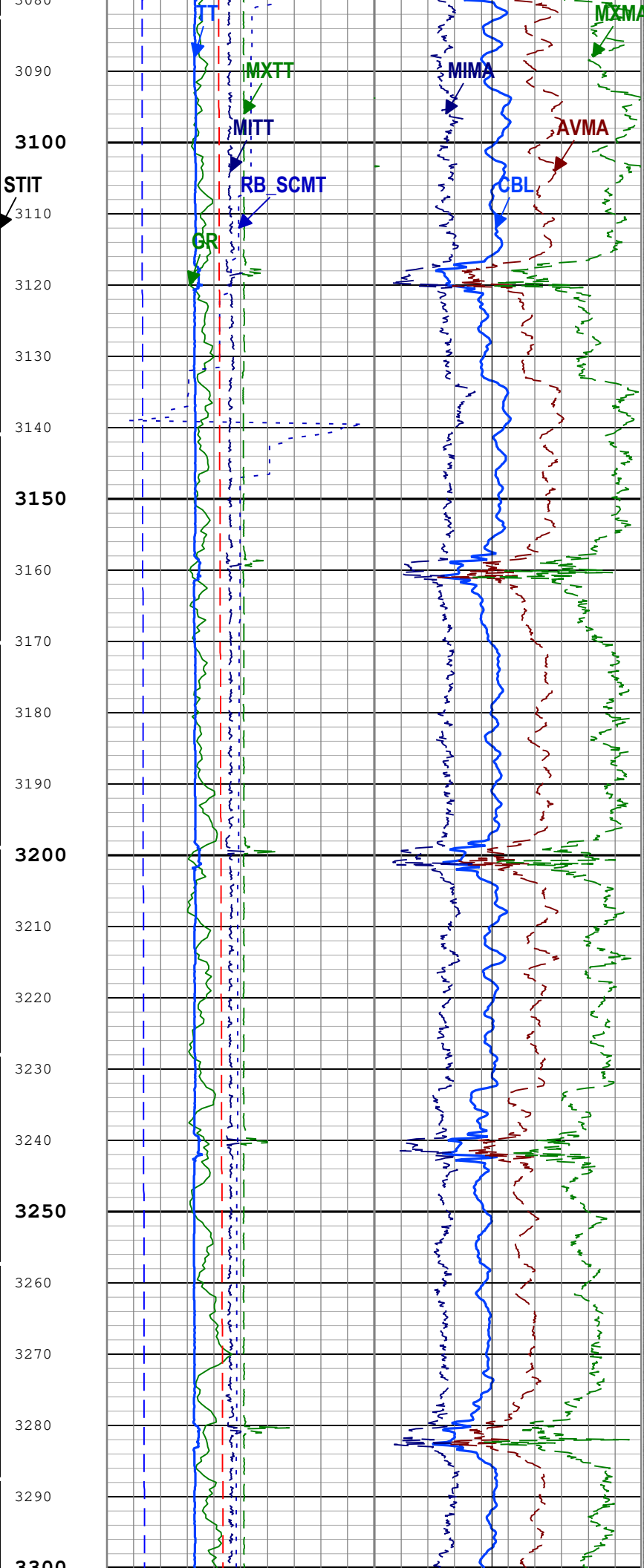


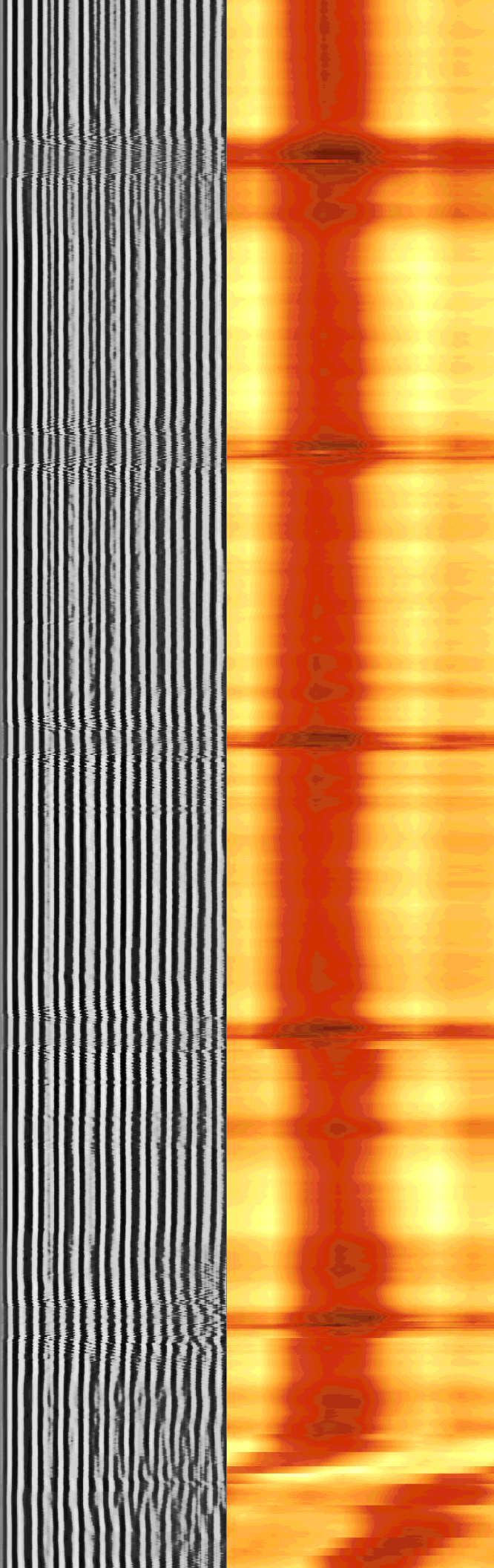
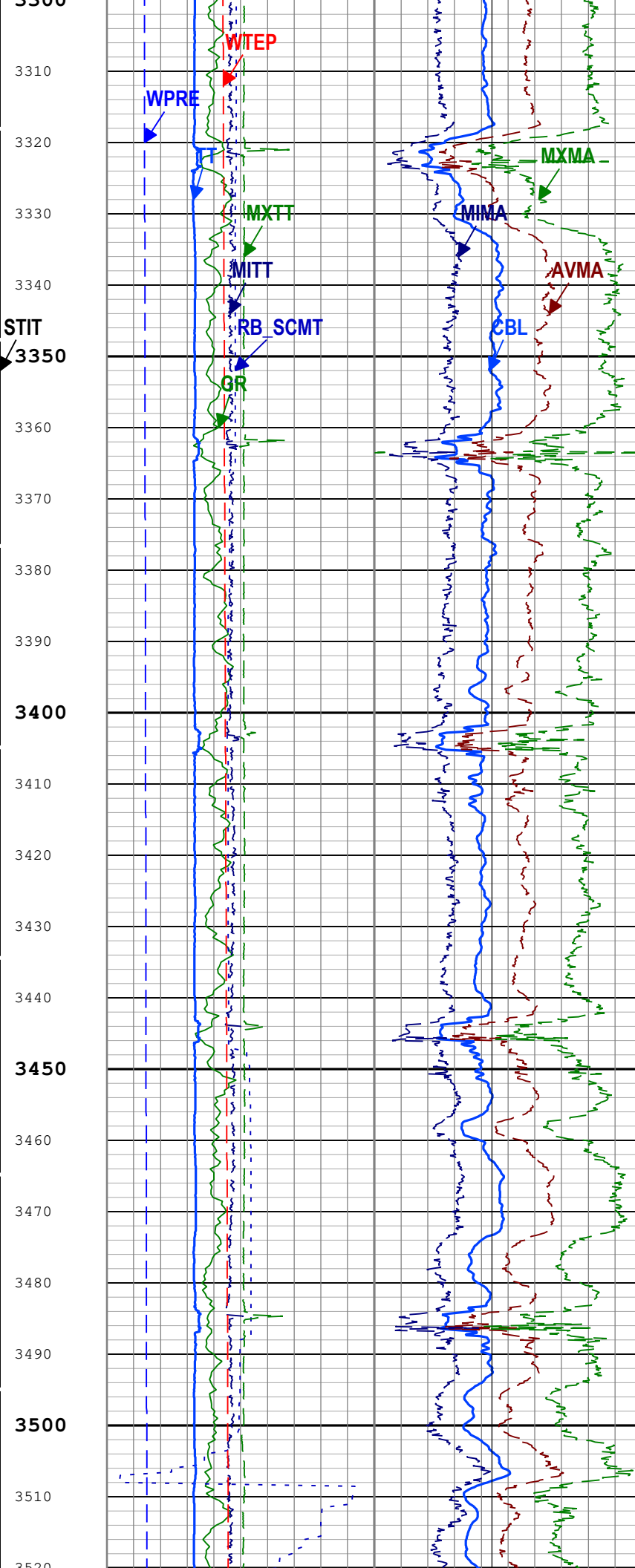


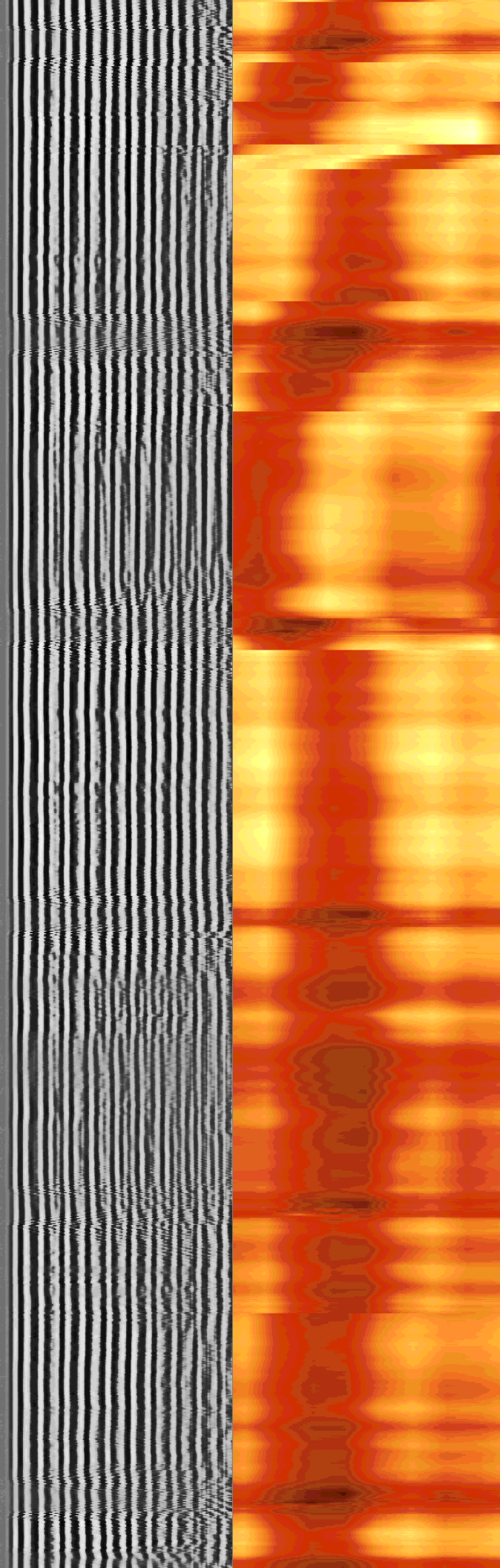
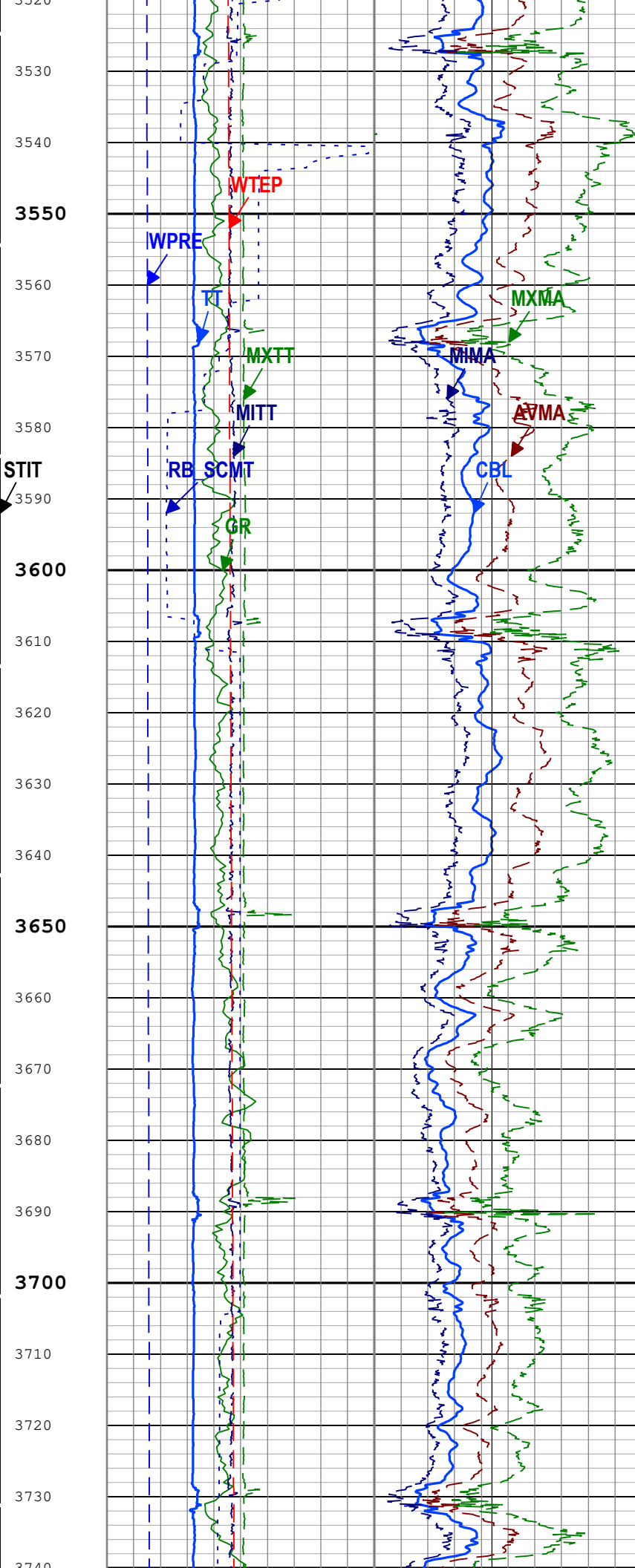


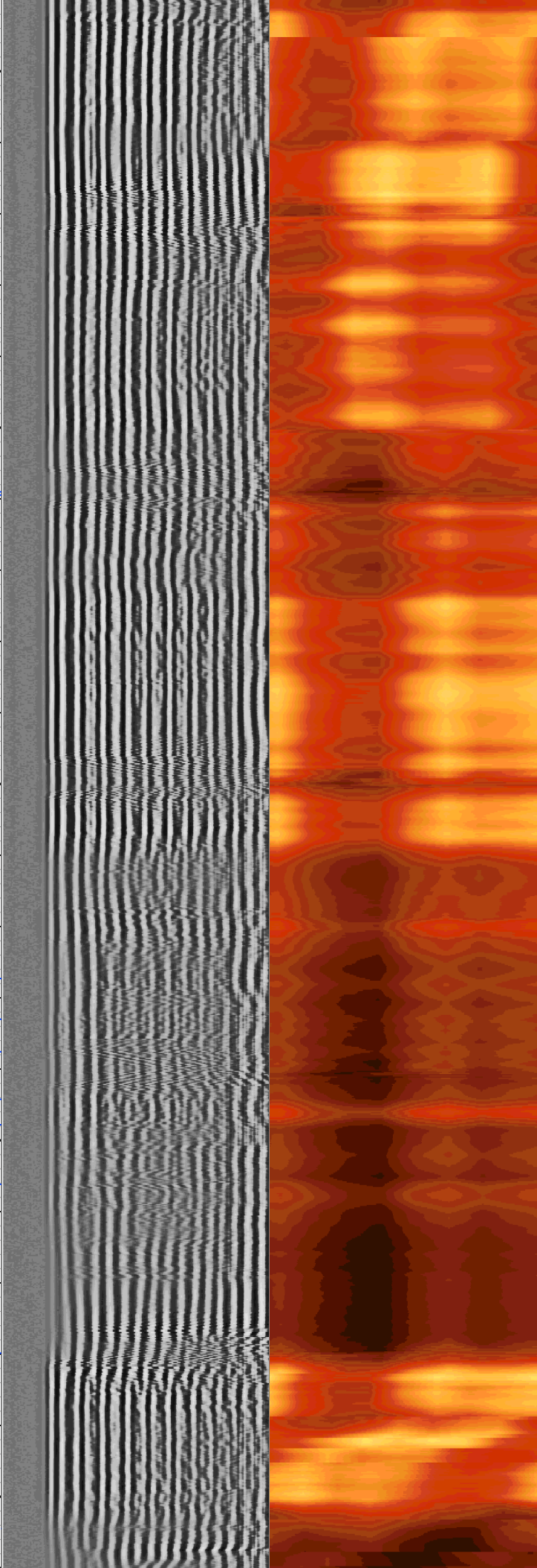
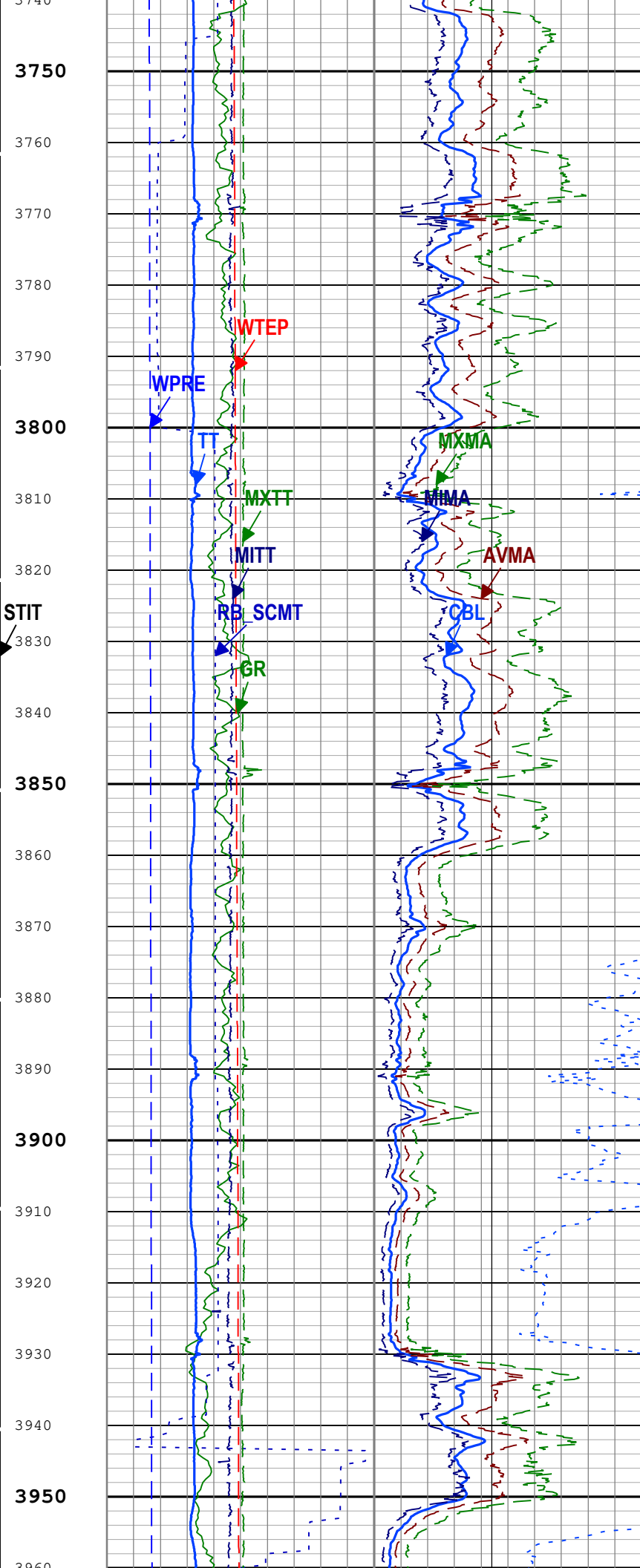


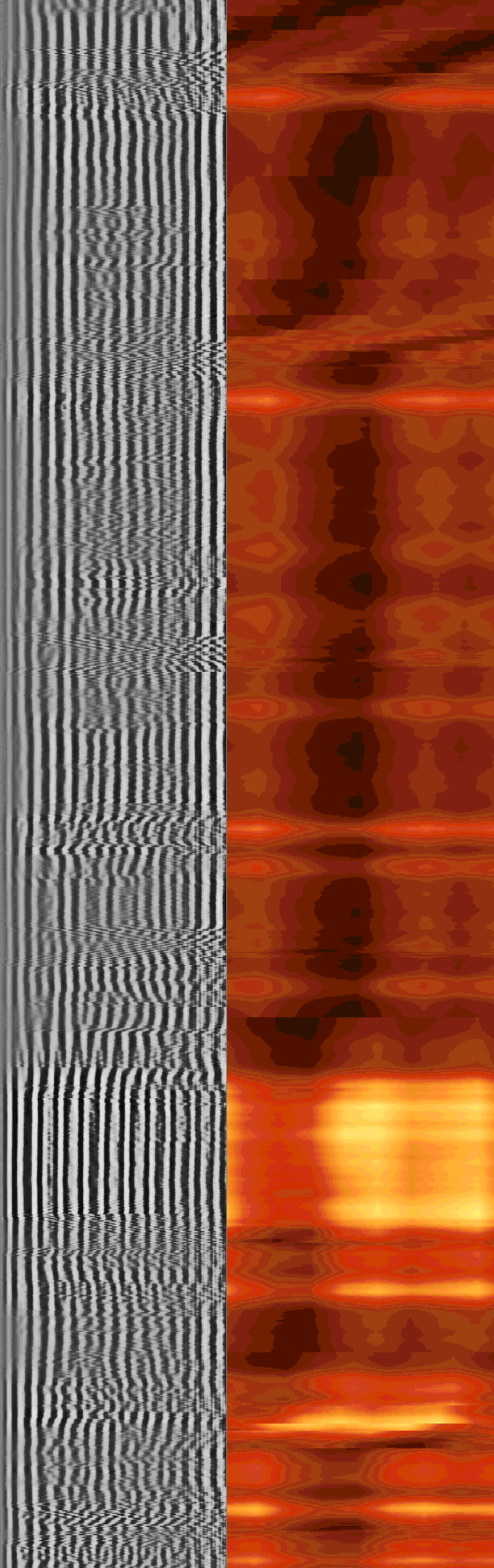
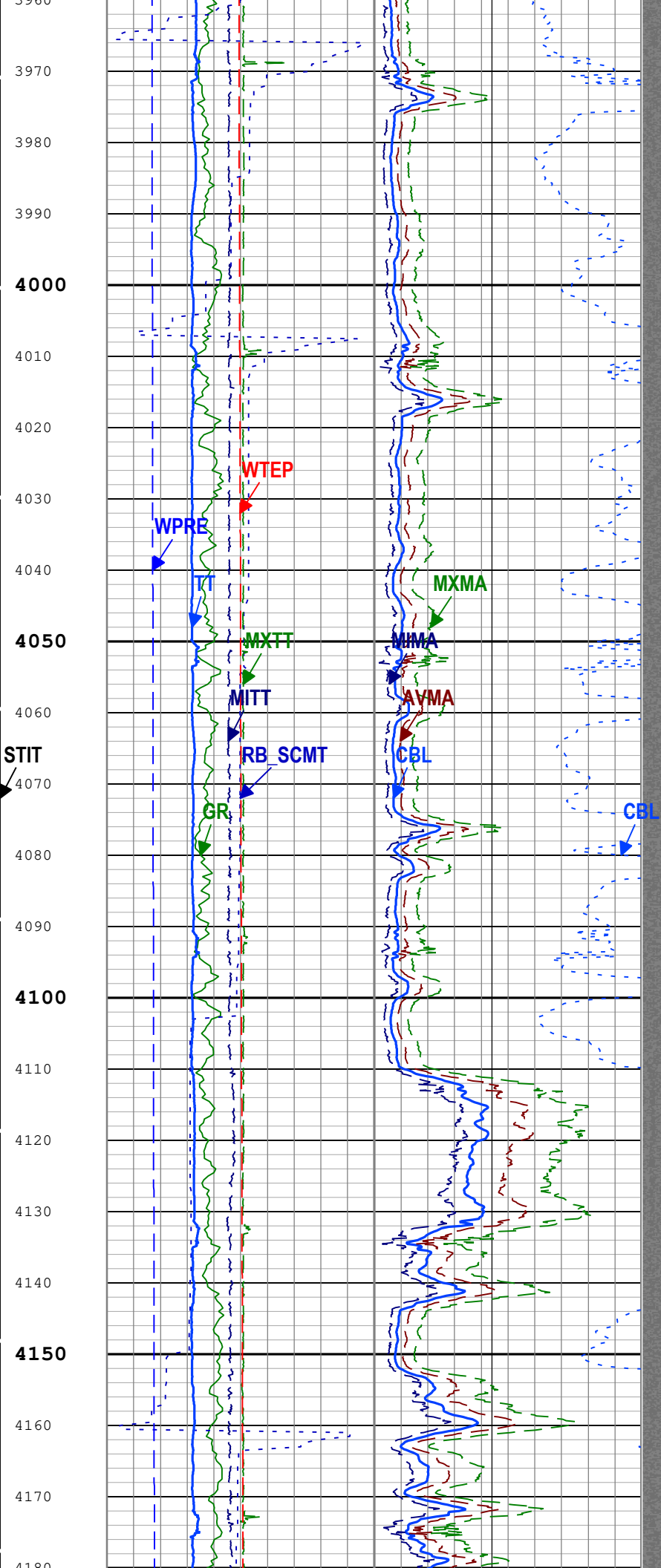


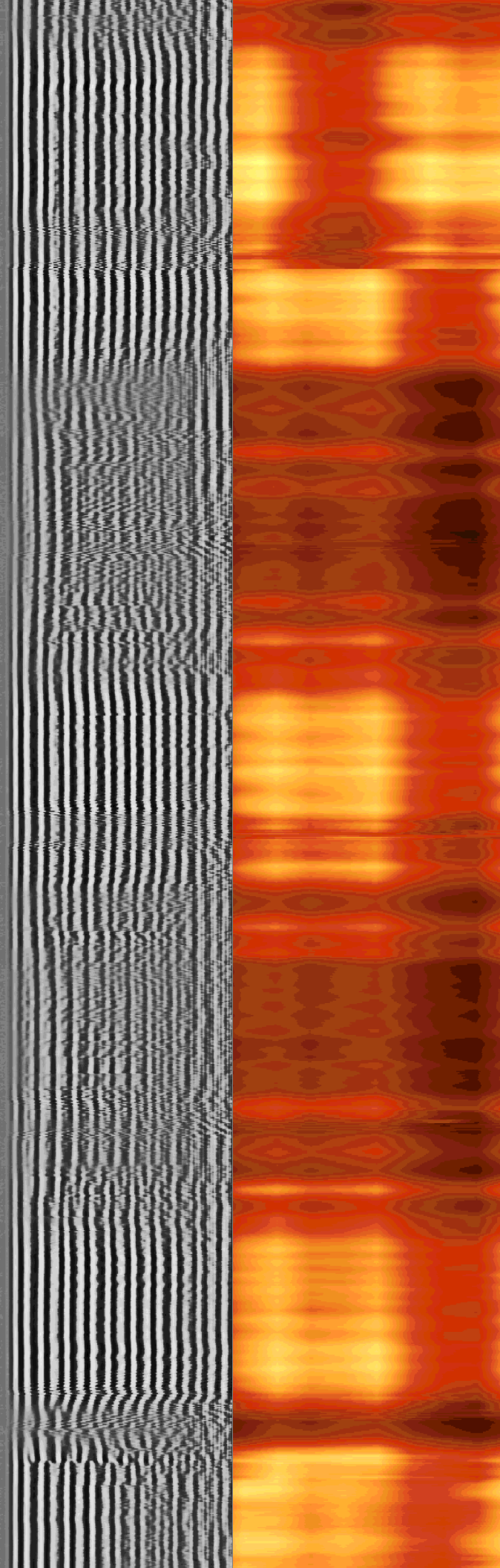
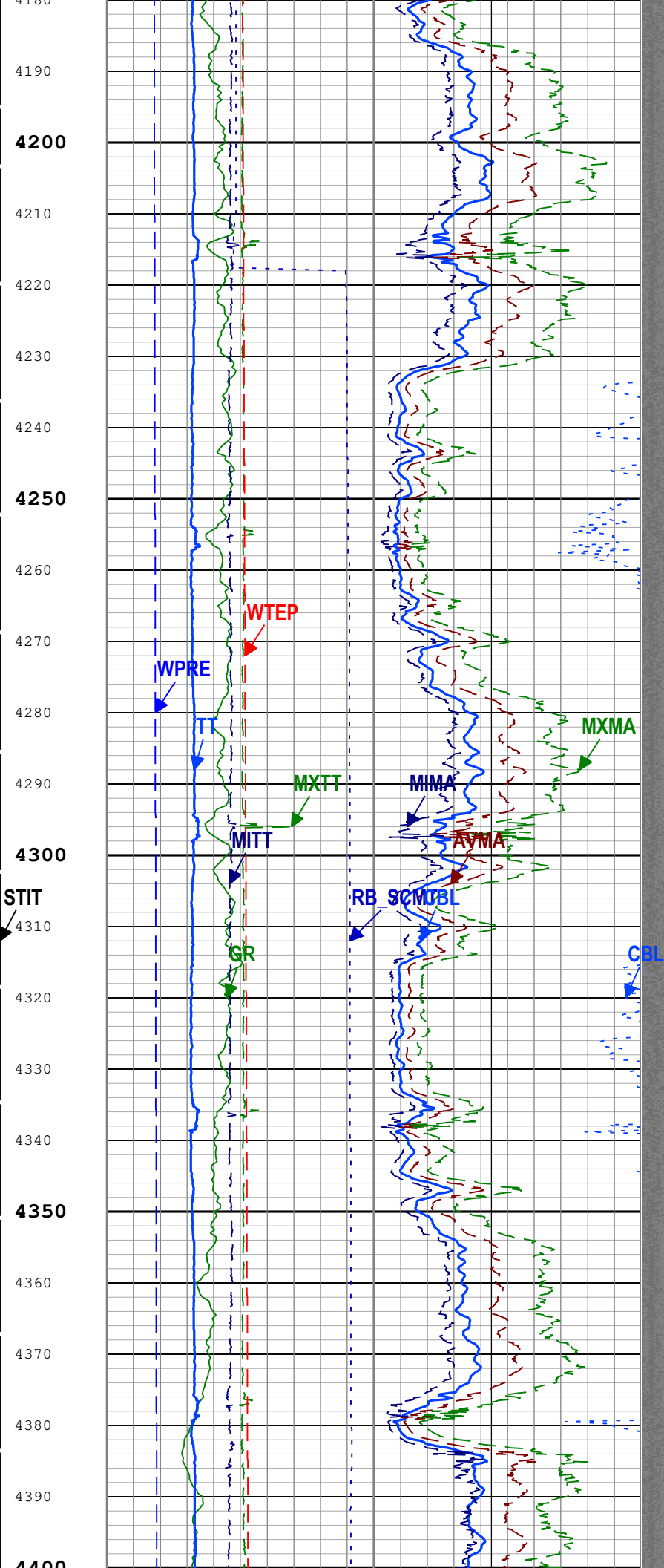


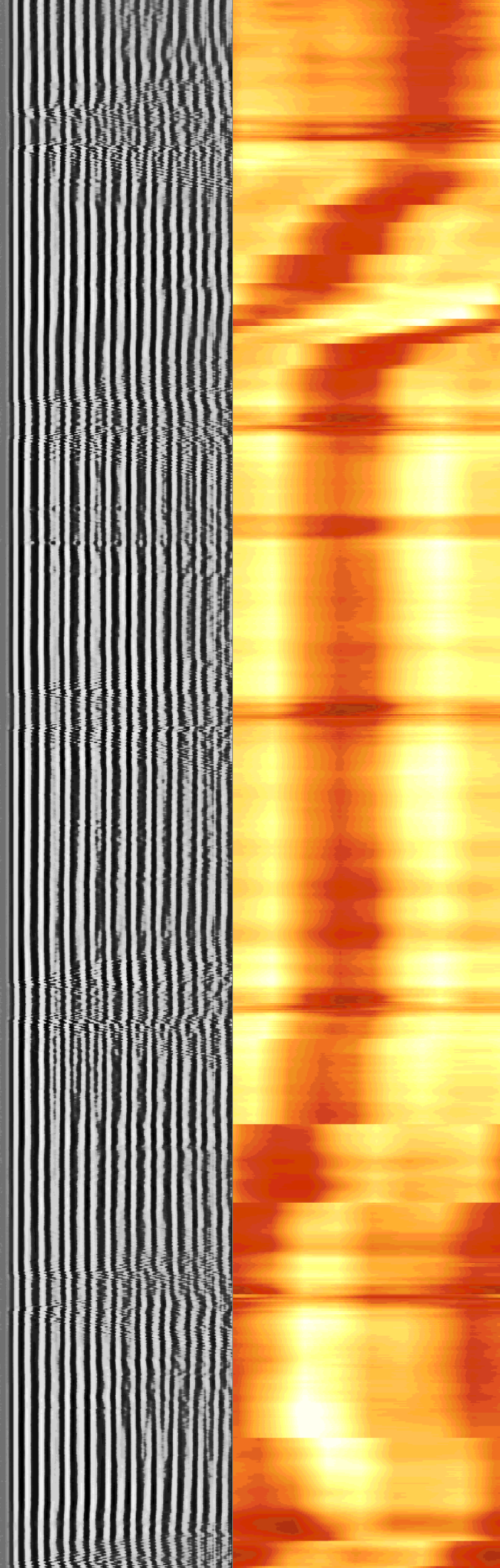
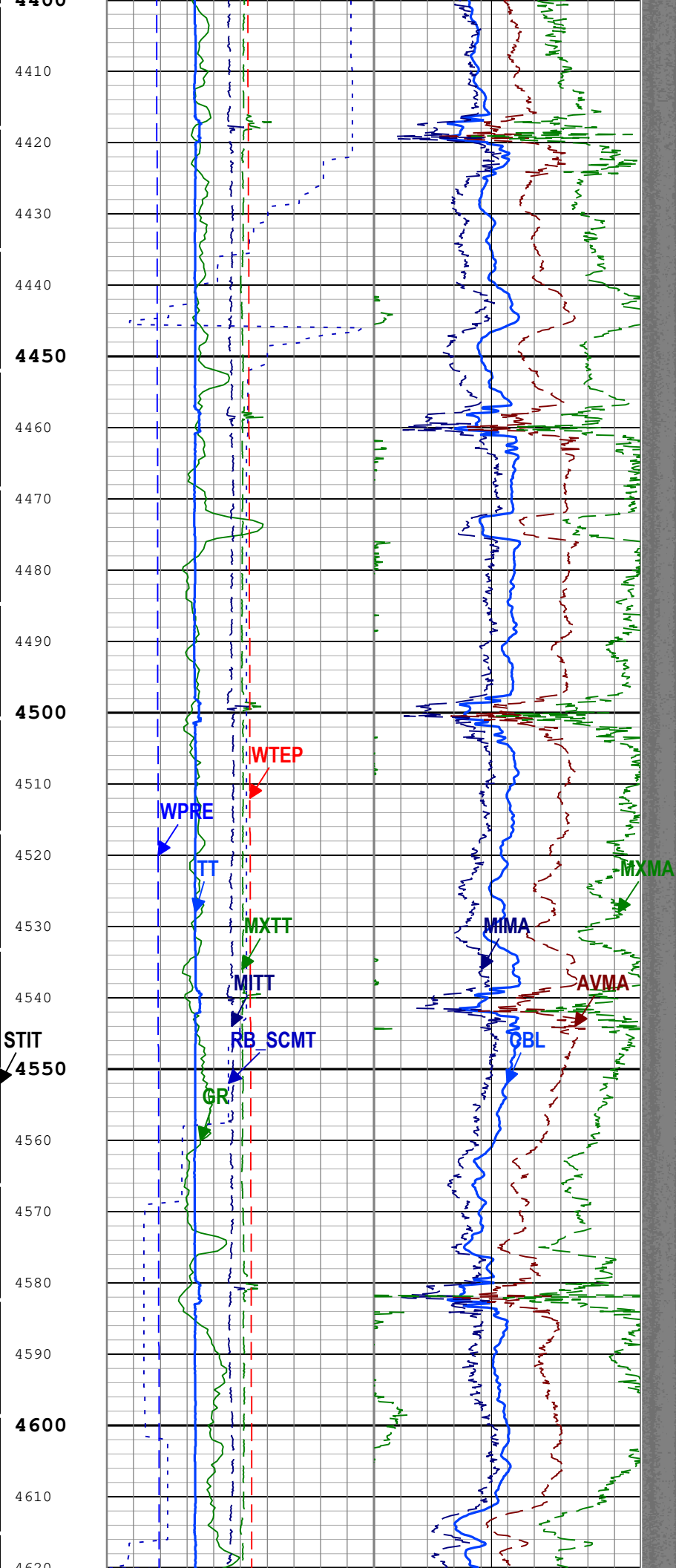


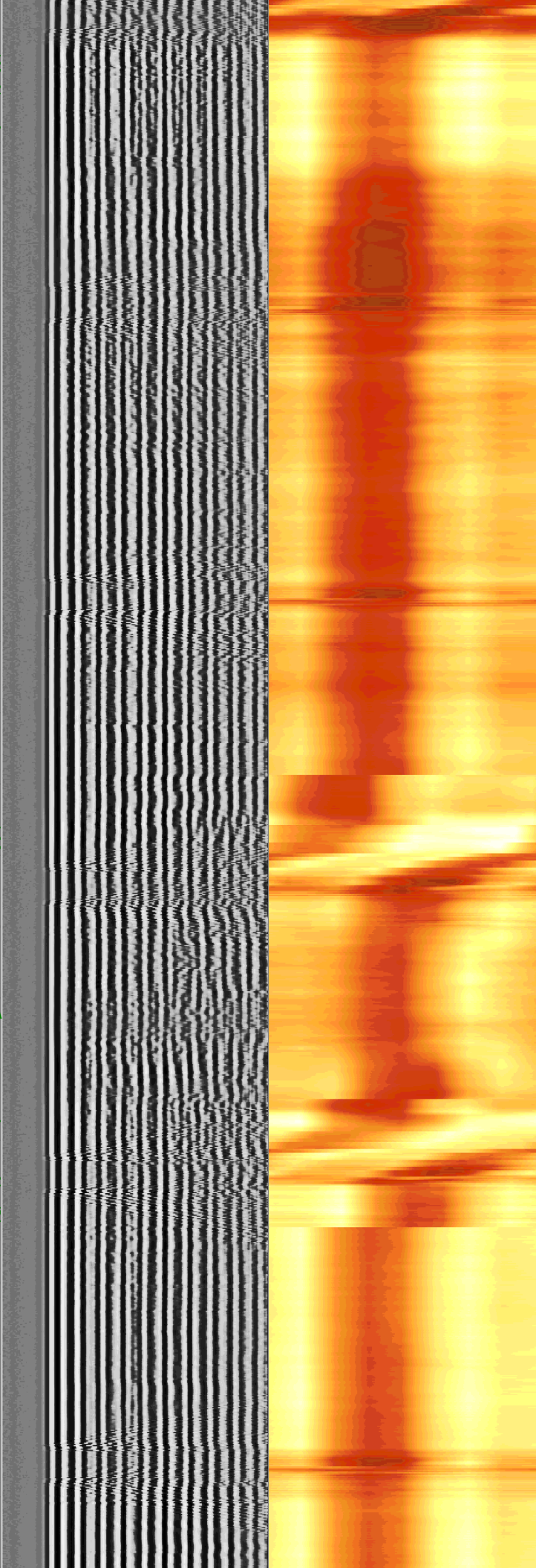
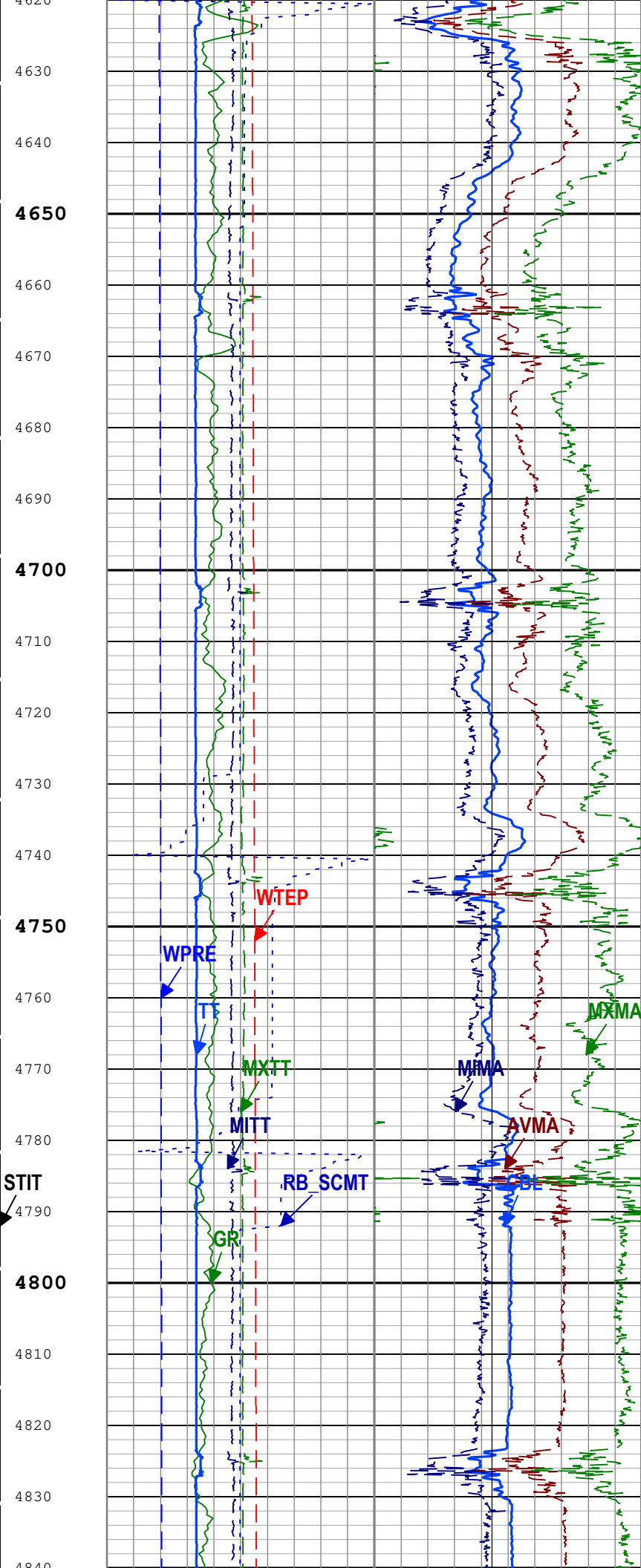


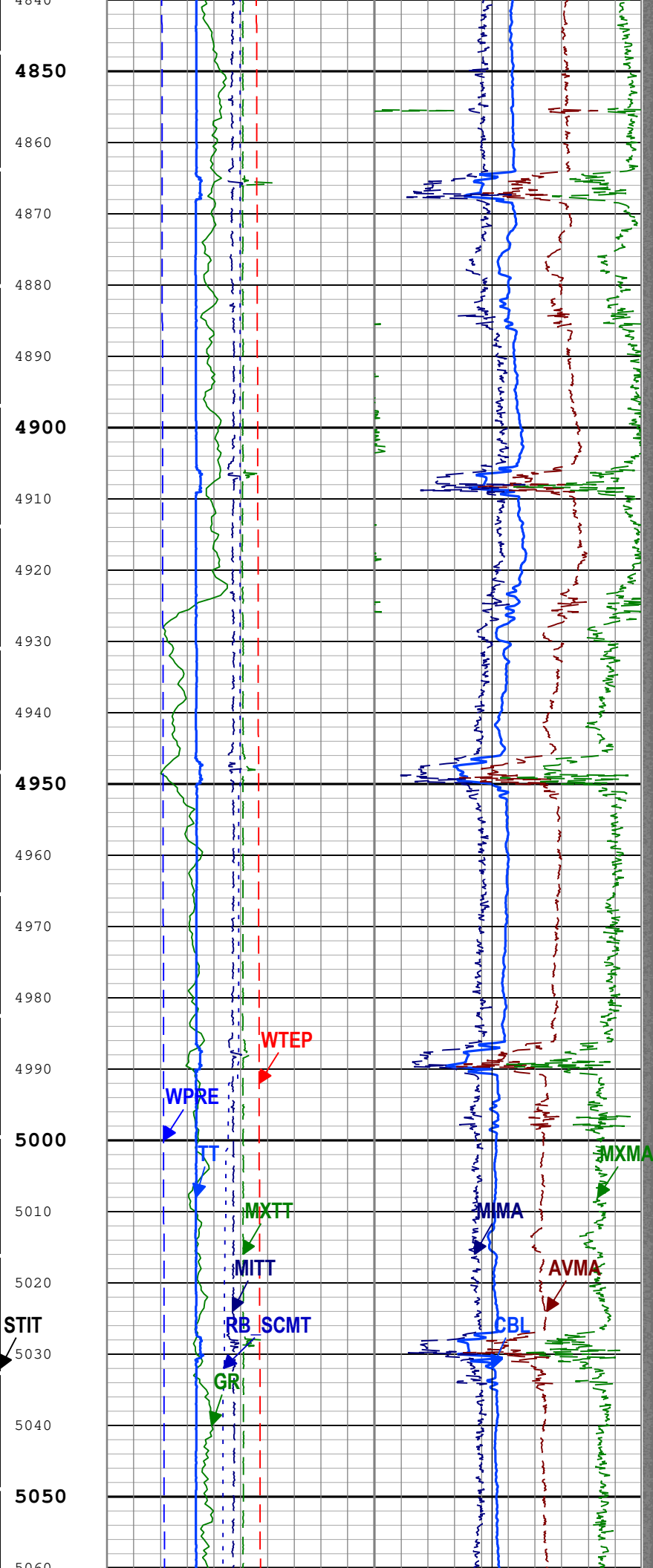


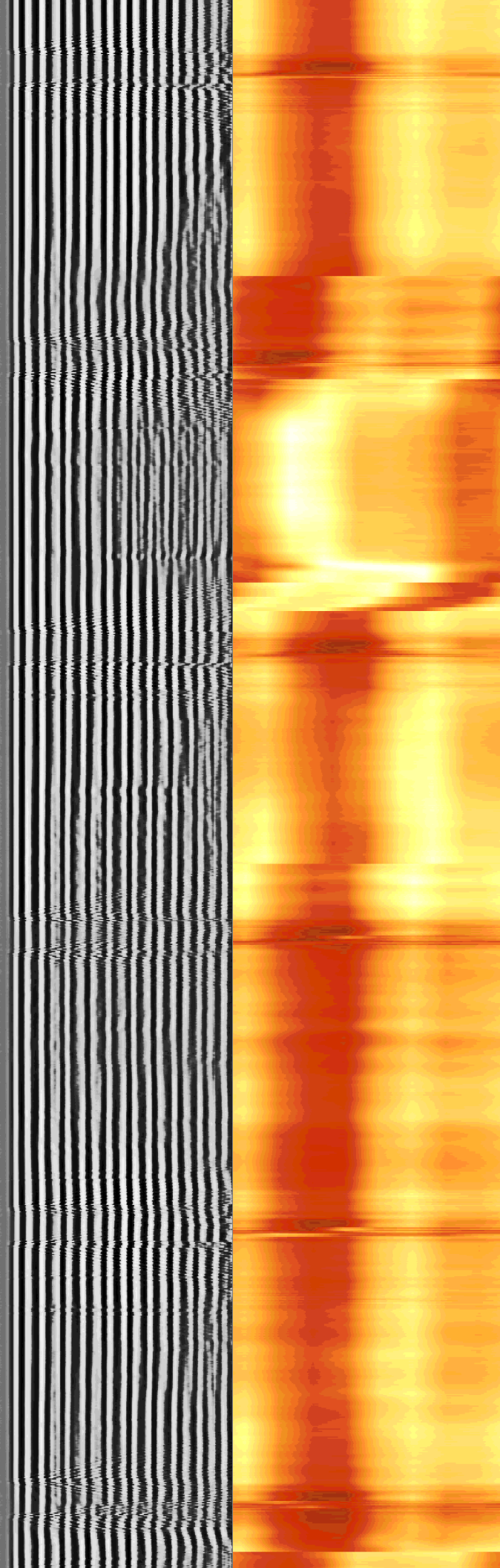
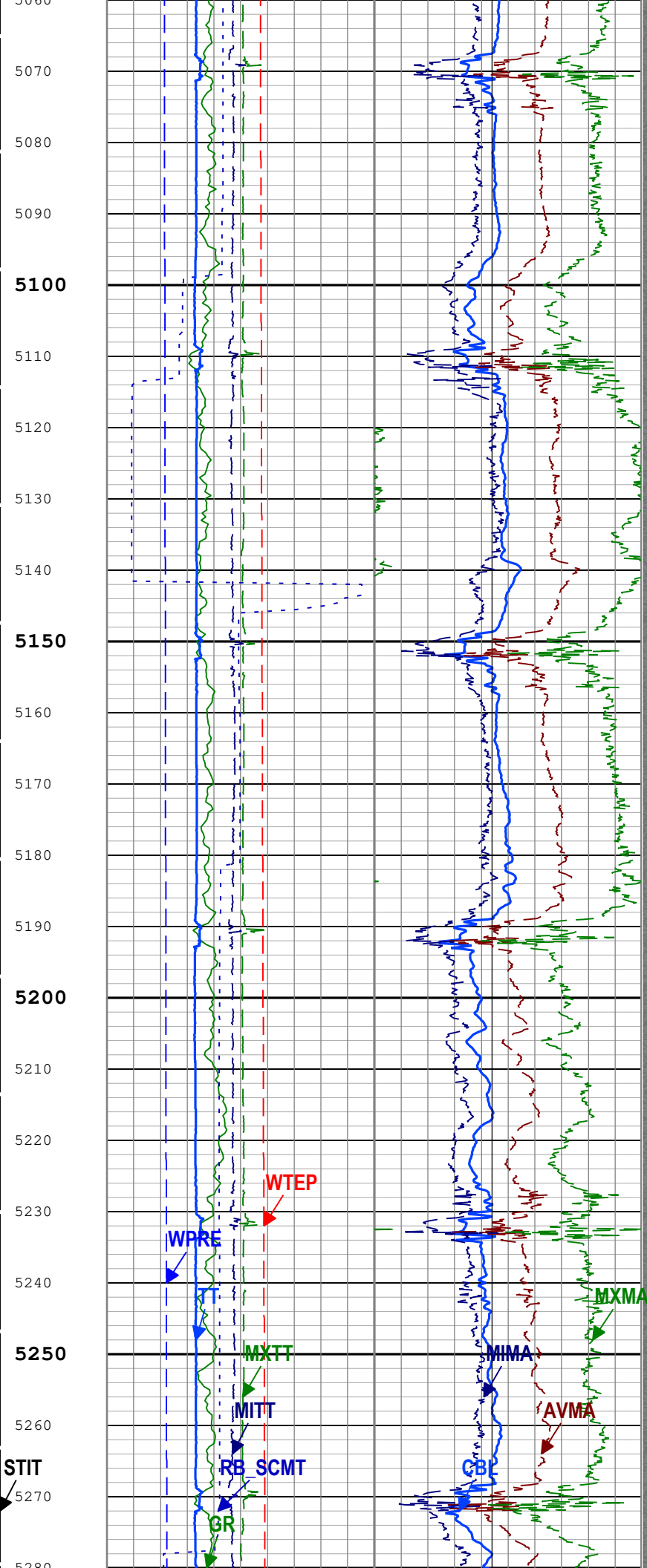


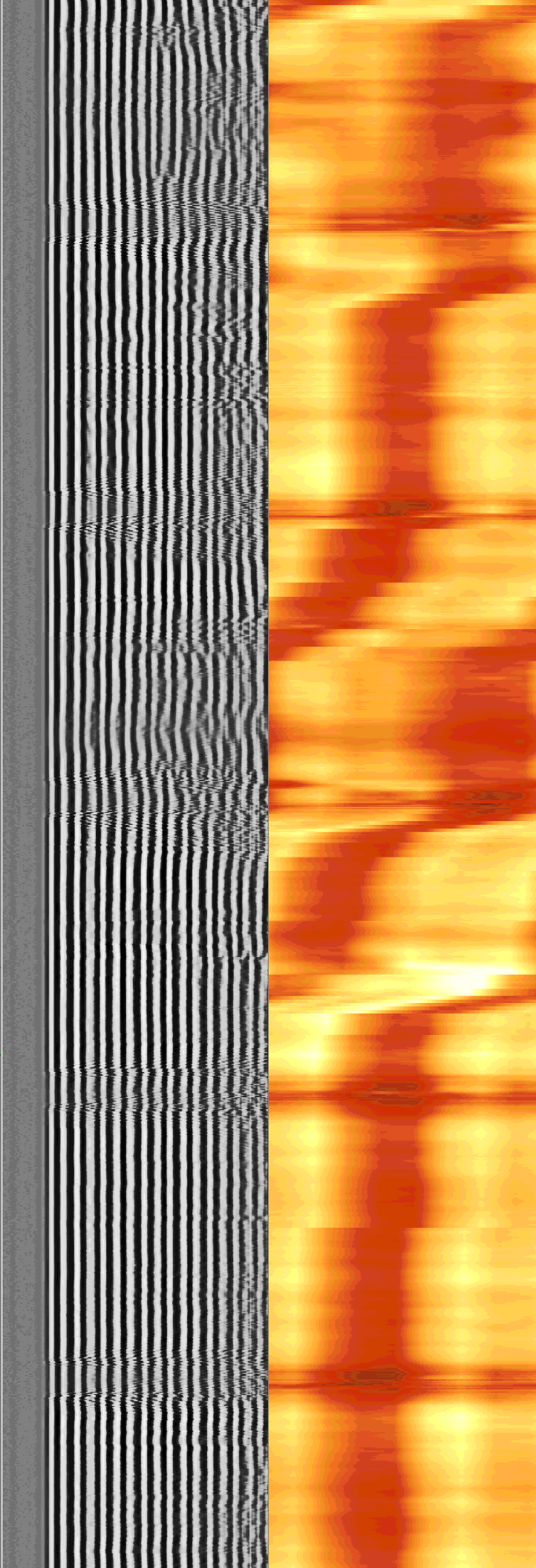
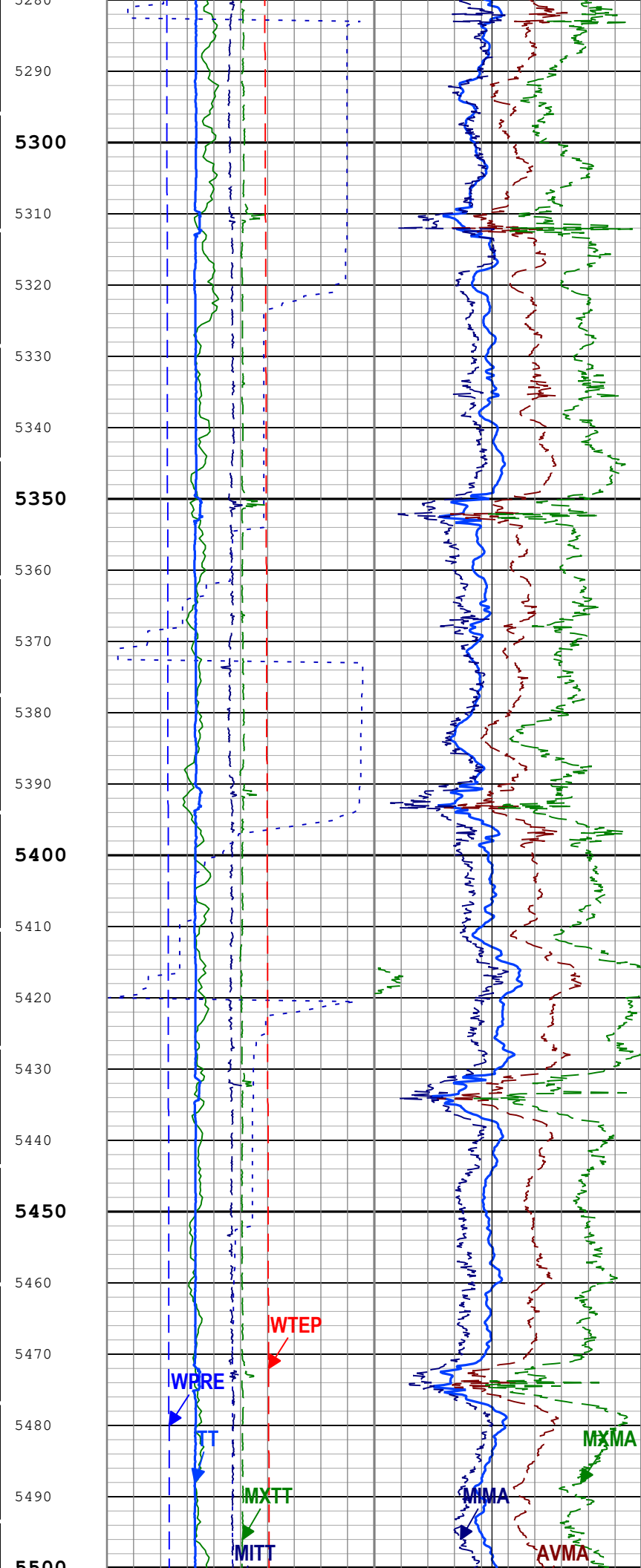


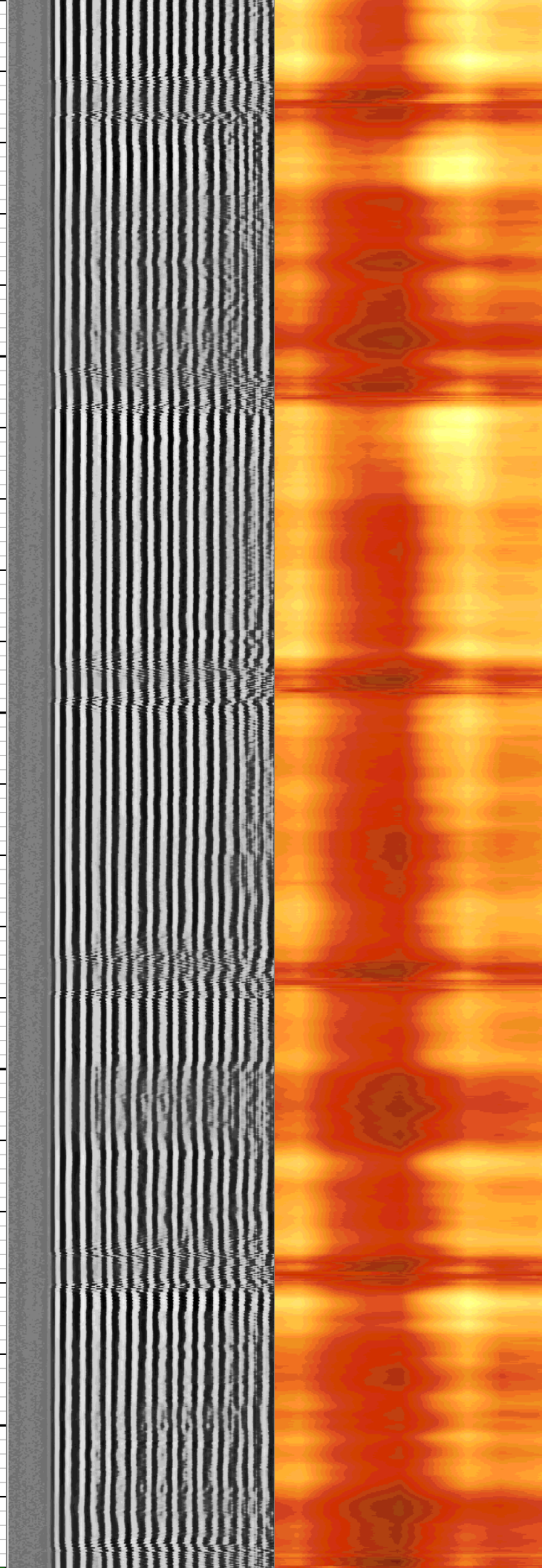
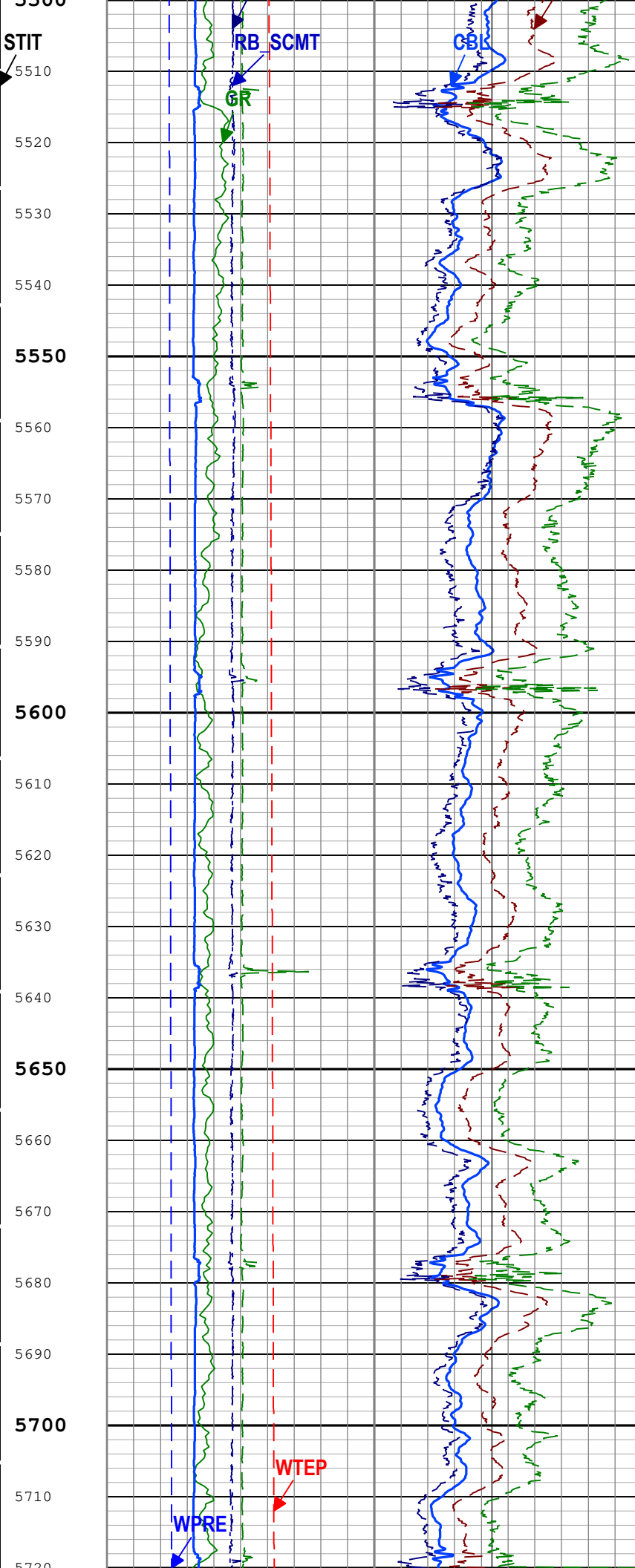


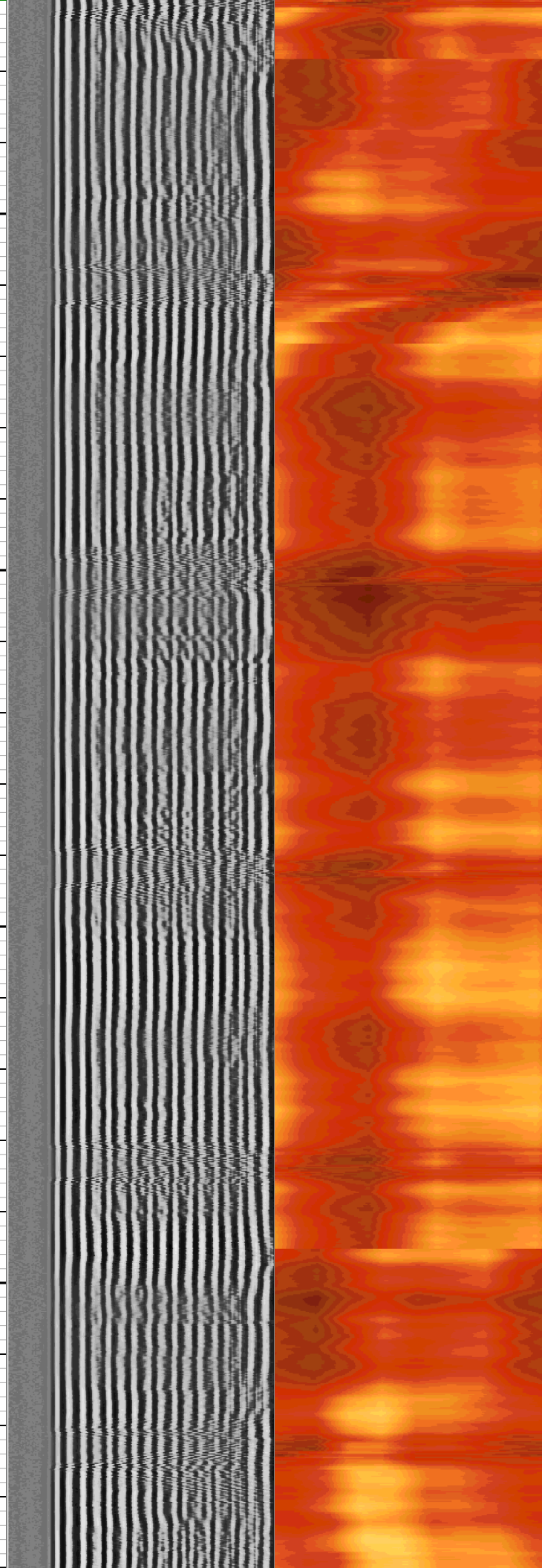
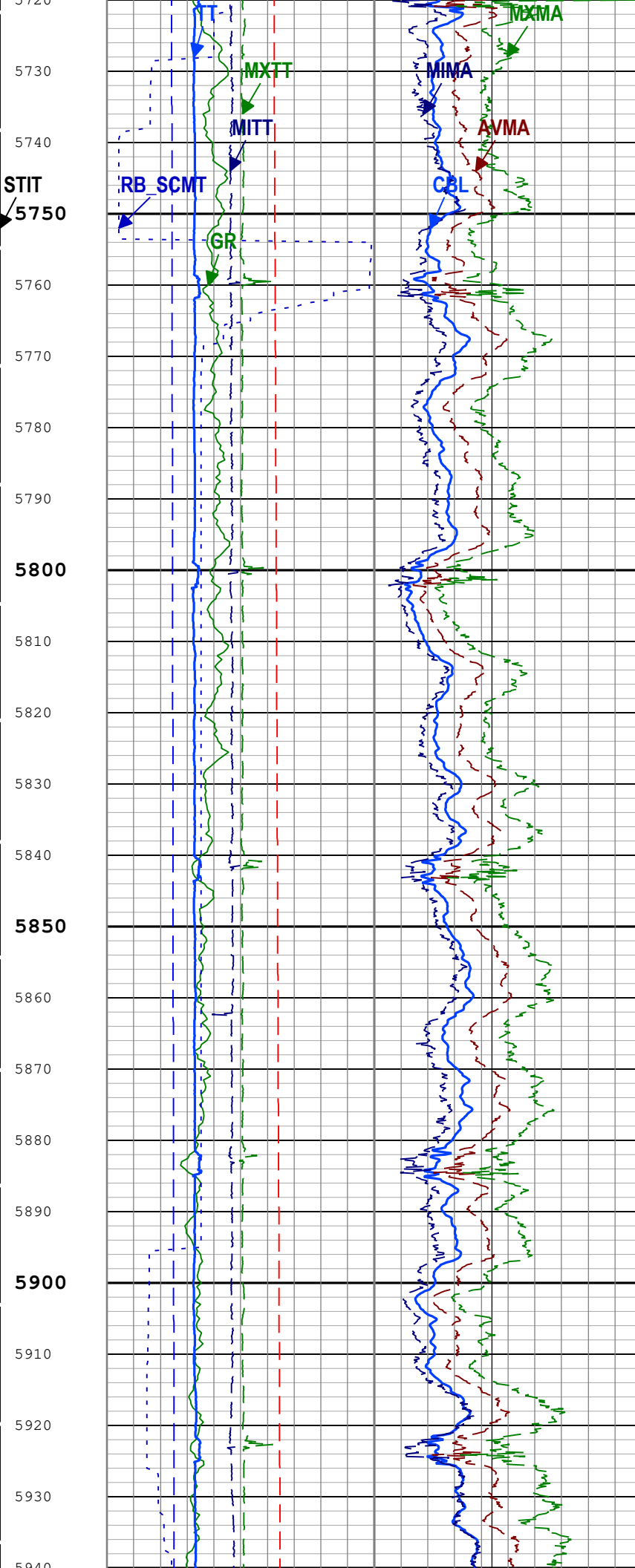


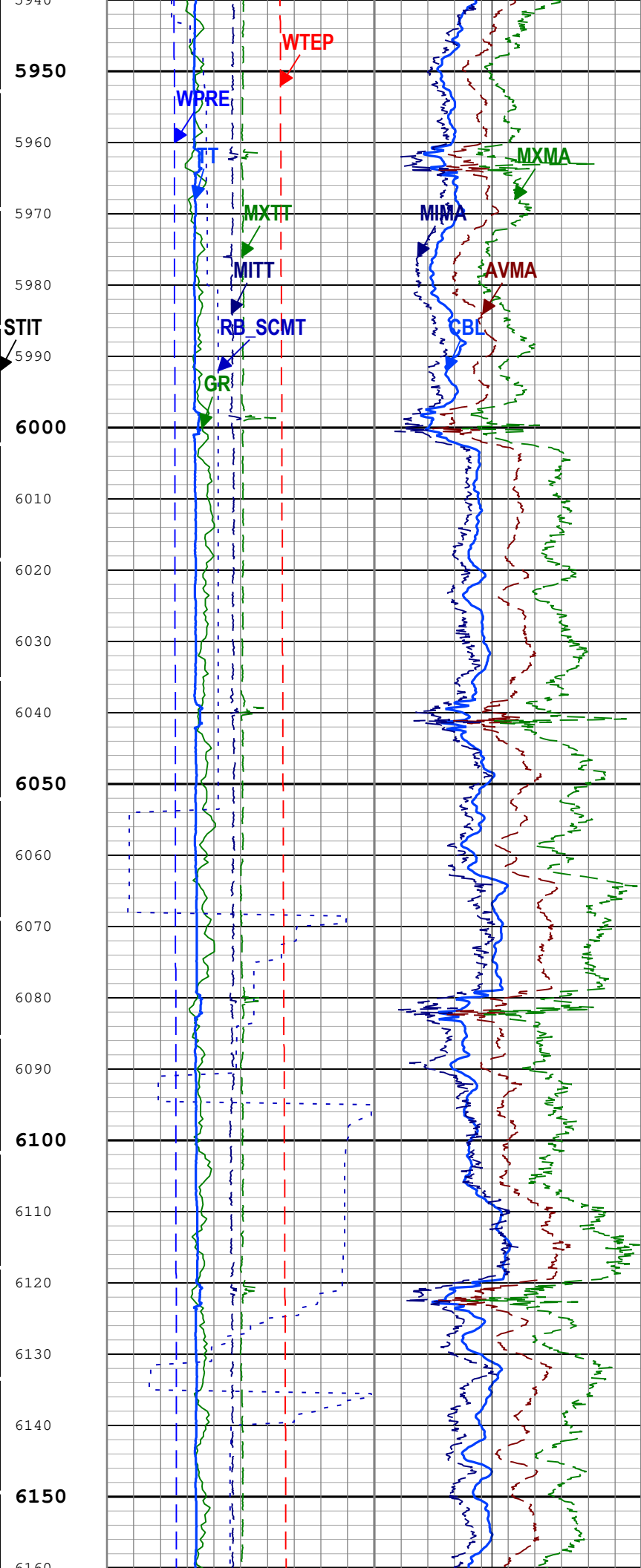


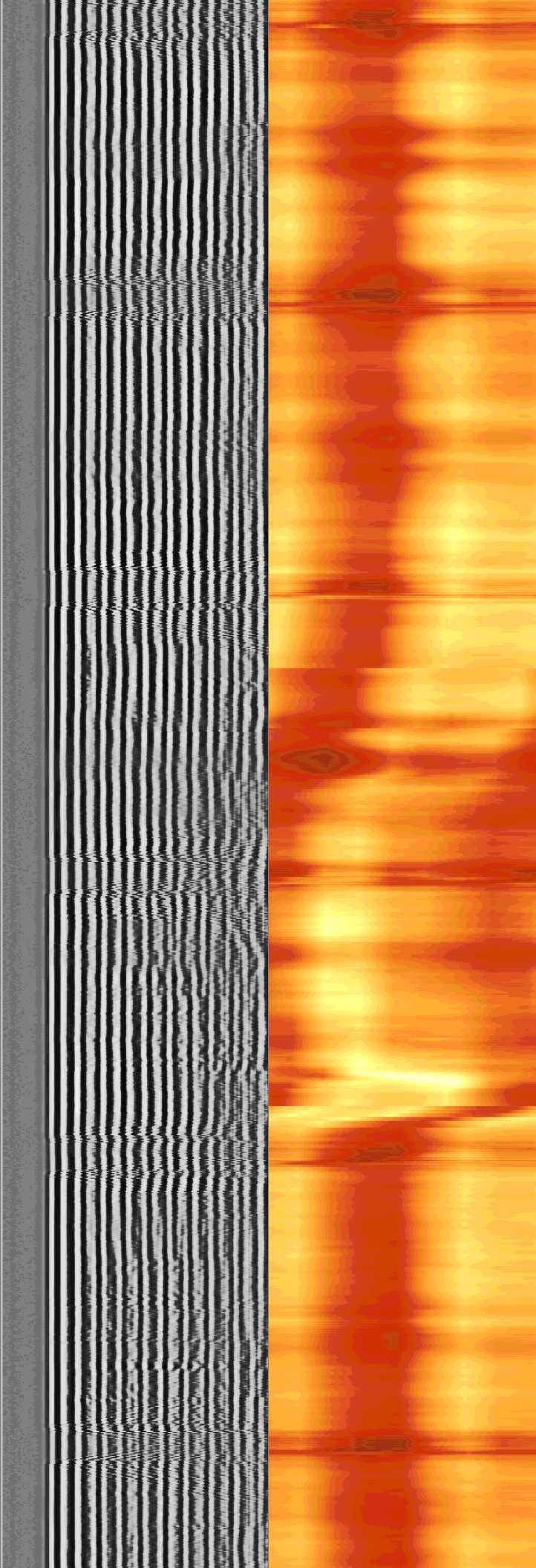
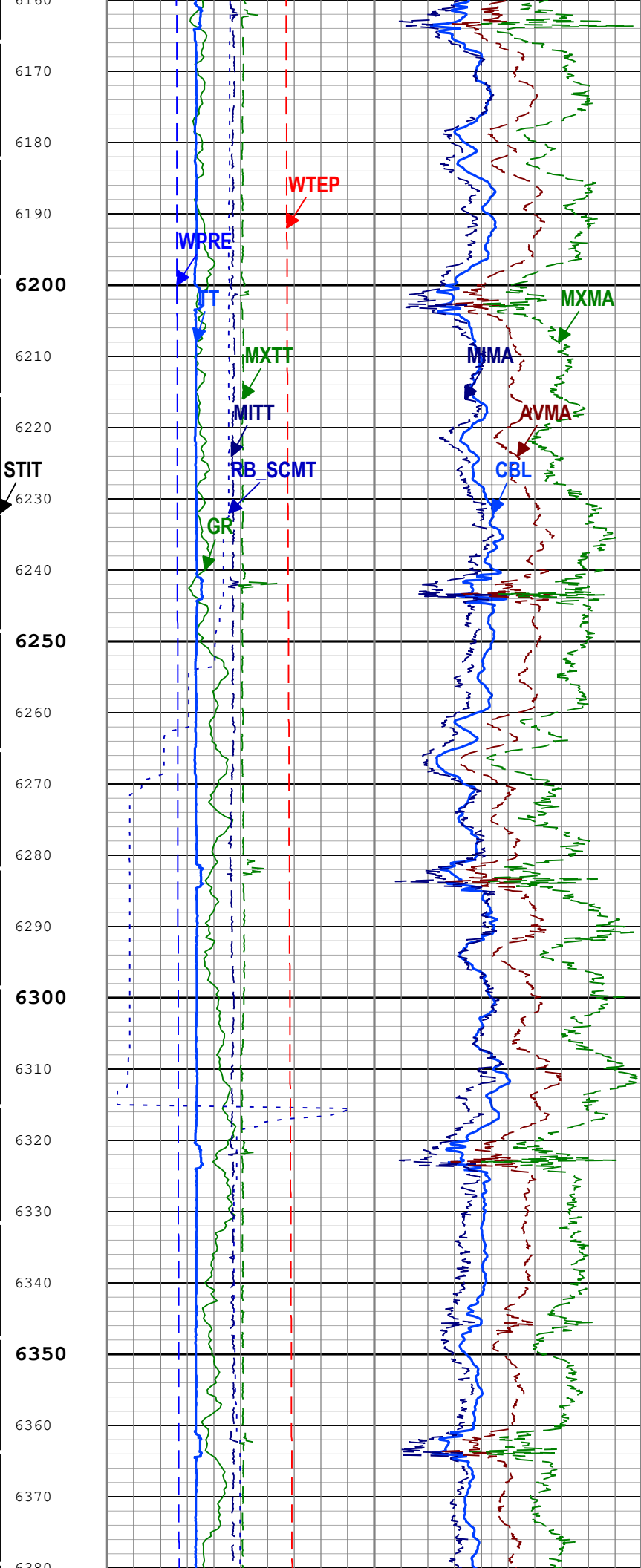


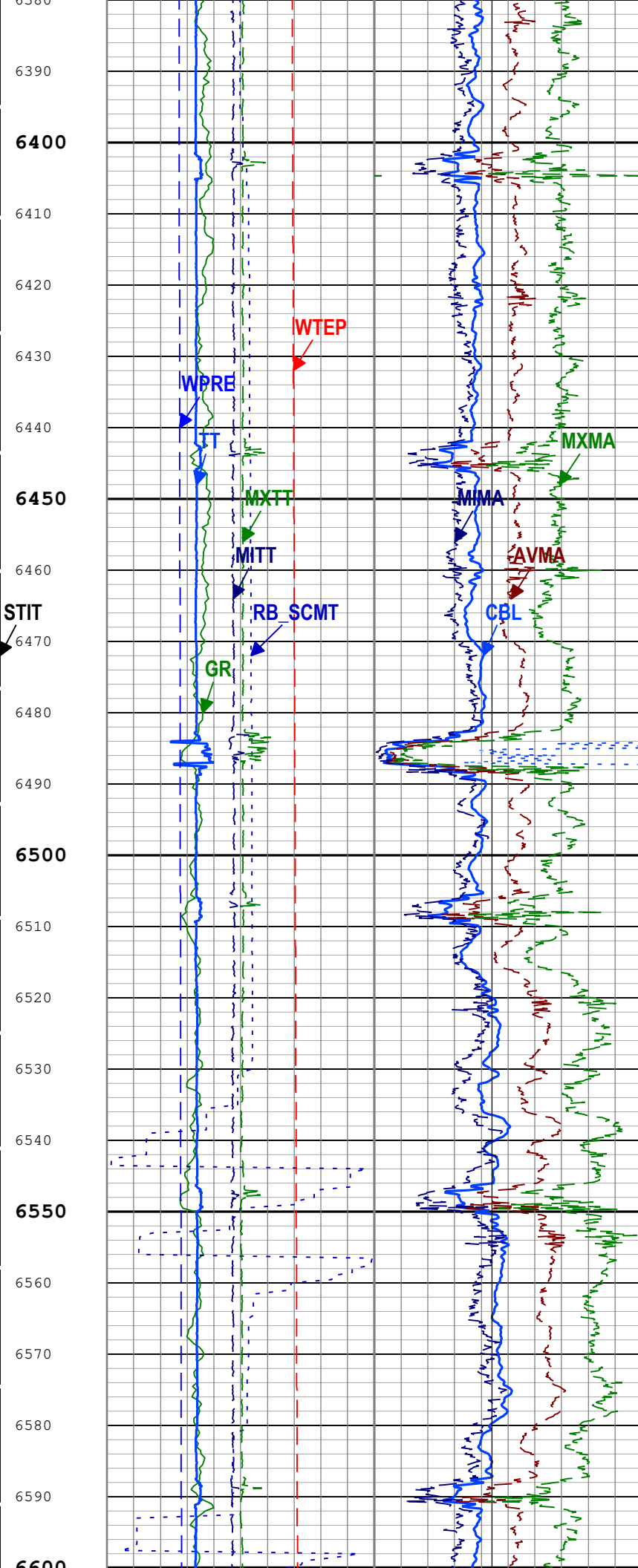


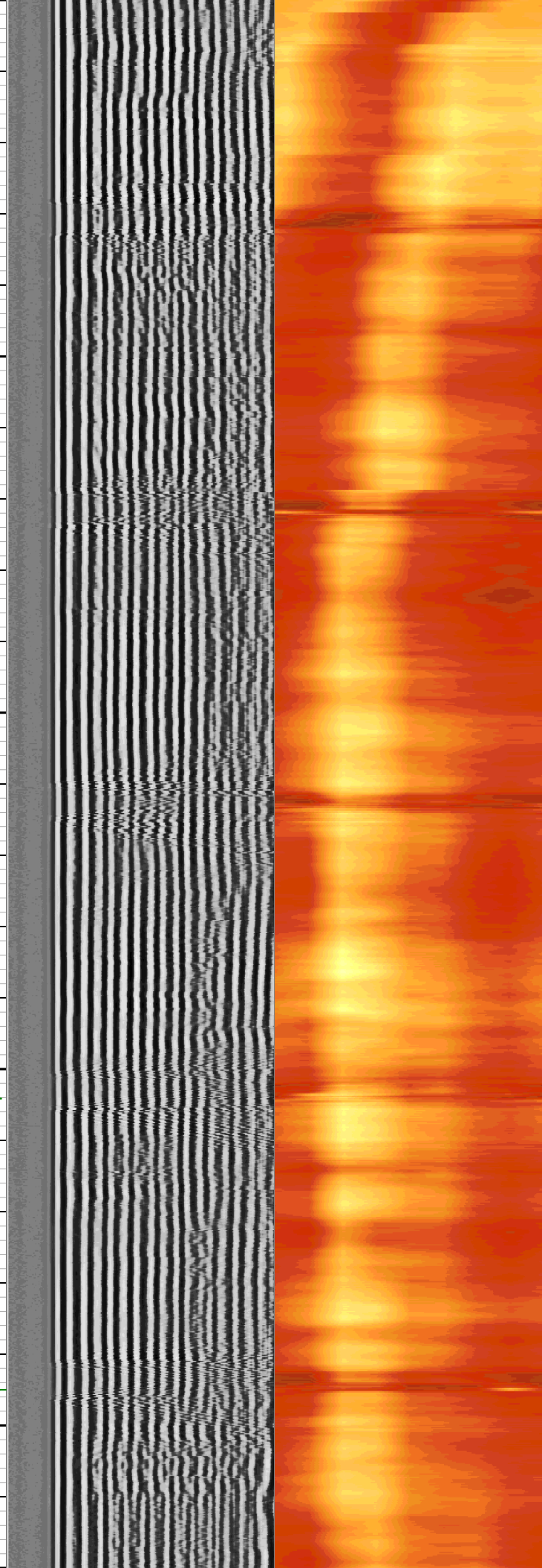
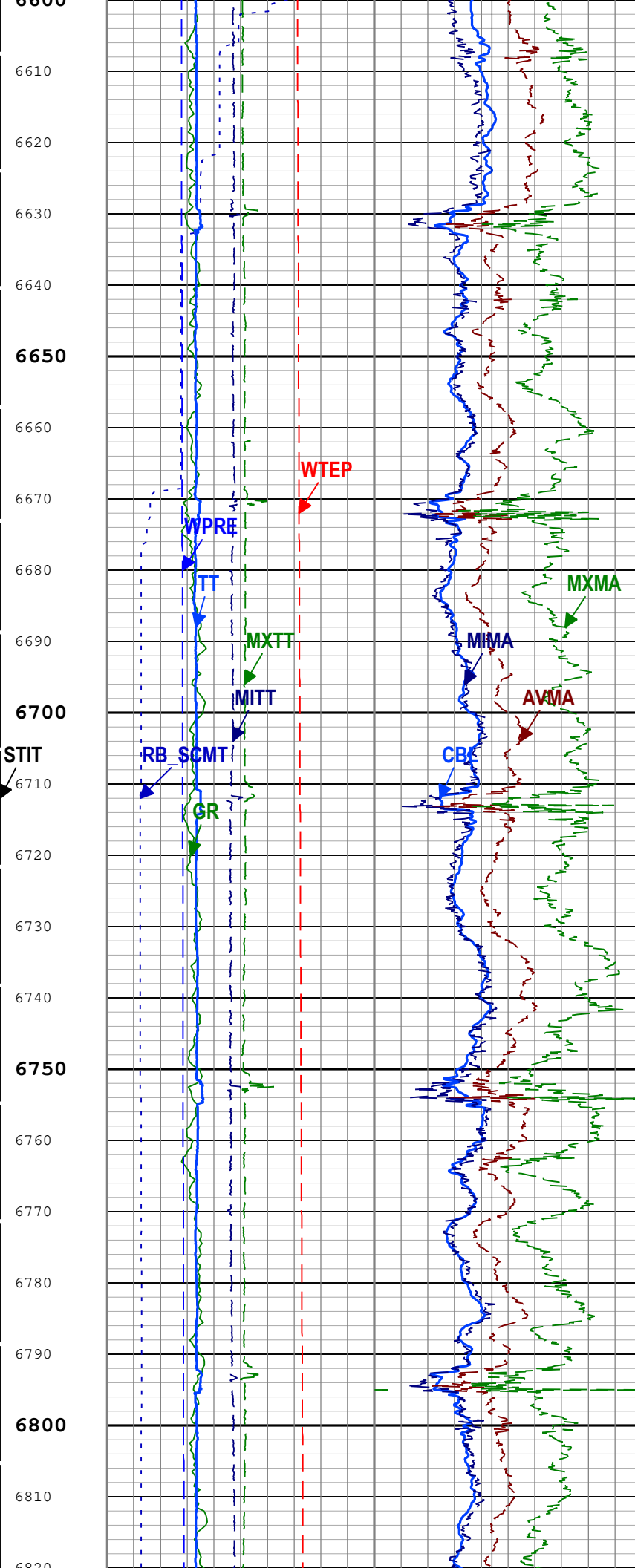


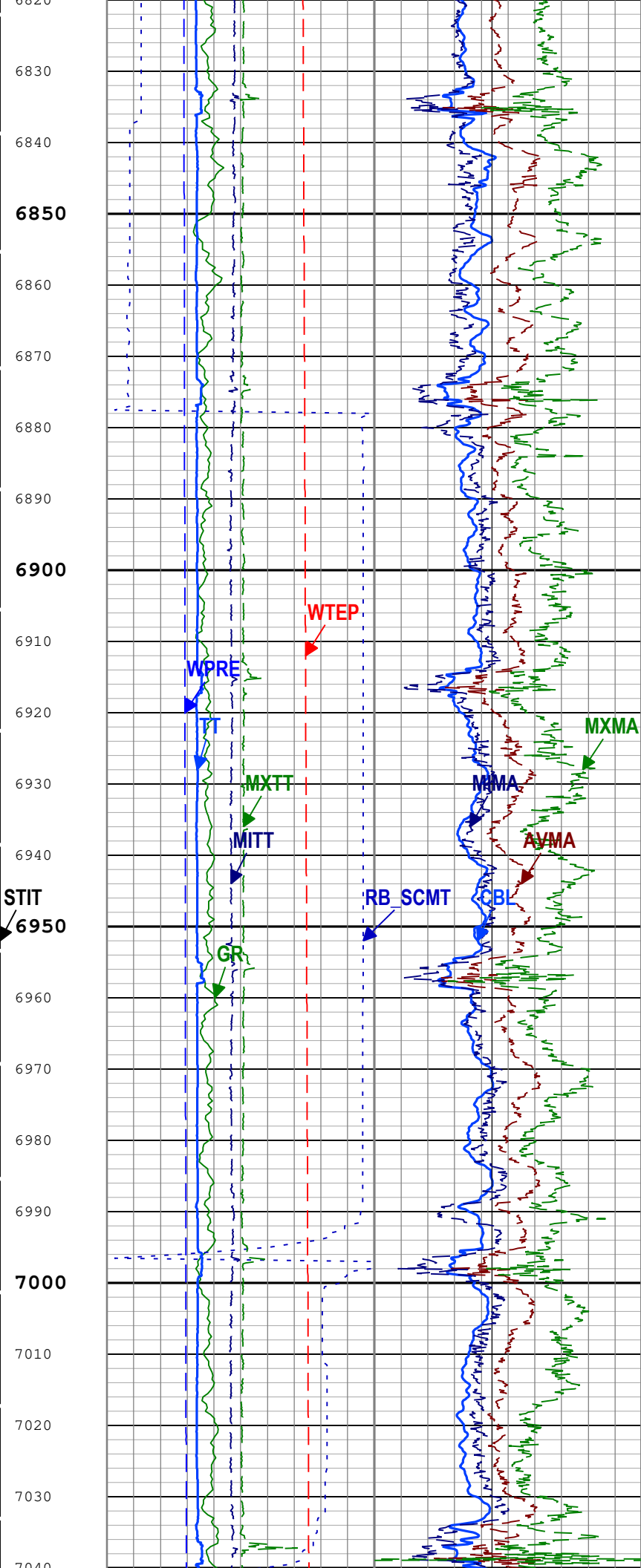


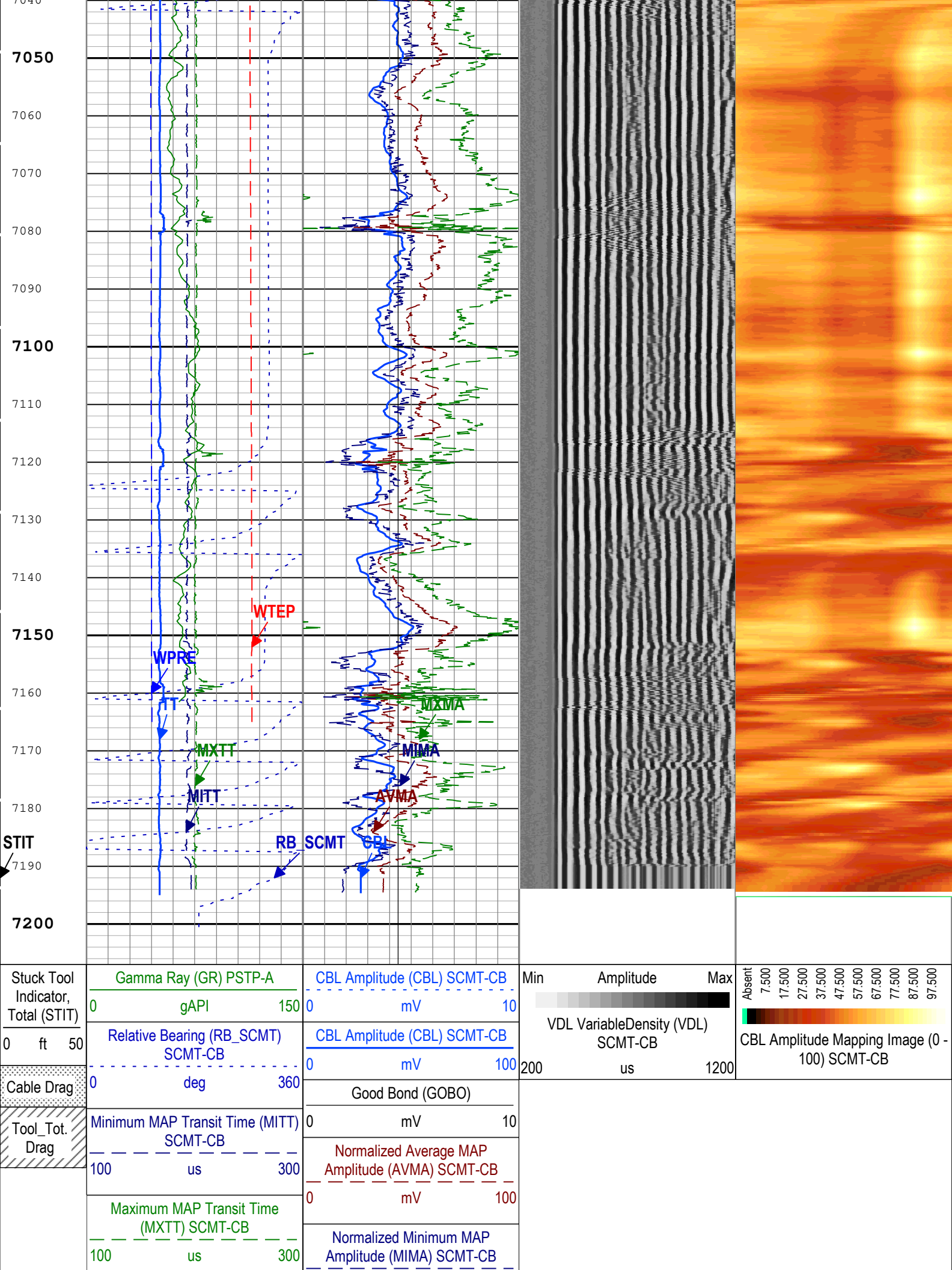












<div><div>Transit Time for CBL (TT) SCMT-CB</div><div>200us400</div><div>Well Pressure (WPRES) PSTP-A</div><div>0psi10000</div><div>Well Temperature (WTEP) PSTP-A</div><div>0degF300</div></div>	0	mV	100
	Normalized Maximum MAP Amplitude (MXMA) SCMT-CB		
	0	mV	100
	GoodBond From CBL to GOBO		

TIME_1900 - Time Marked every 60.00 (s)

Description: SCMT VDL Image Format: Log (SCMT_VDL_Image) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 17-May-2019 21:44:30

Channel Processing Parameters

ONE: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	229.31	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	235.75	us
CBLG	CBL Gate Width	SCMT-CB	42	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	72	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.361	in
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	204	us/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-CB	4.41	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	WTEP	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	SCMT-CB	178.61	us
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-CB	11.85	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-CB	Depth Zoned	ft
MMSA	MAP Minimum Sonic Amplitude	SCMT-CB	10.86	mV
MSA	Minimum Sonic Amplitude	SCMT-CB	2.19	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	2.19	mV
RUN_SNUM	Run Sequence Number	WSDRUN	1	

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
MCI	14.81	100	2305
MCI	4.75	2305	7207

All depth are actual.

Tool Control Parameters

ONE: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-CB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	Time Zoned	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	Time Zoned	

Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
MAX_LOG_SPEED	1077.14	17-May-2019 15:40:44	17-May-2019 18:44:50	7207.07	4195.03
MAX_LOG_SPEED	1800	17-May-2019 18:44:50	17-May-2019 21:05:54	4195.03	105.2

PCCG	12 dB	17-May-2019 15:40:44	17-May-2019 15:42:13	7207.07	7190.33
PCCG	24 dB	17-May-2019 15:42:13	17-May-2019 15:46:06	7190.33	7127.02
PCCG	0 dB	17-May-2019 15:46:06	17-May-2019 15:50:58	7127.02	7049.26
PCCG	12 dB	17-May-2019 15:50:58	17-May-2019 18:51:18	7049.26	4079.74
PCCG	0 dB	17-May-2019 18:51:18	17-May-2019 18:53:29	4079.74	4015.58
PCCG	12 dB	17-May-2019 18:53:29	17-May-2019 21:05:54	4015.58	105.2

All depth are at tool zero.

ONE

Repeat Pass

Software Version

Acquisition System	Version
Maxwell 2019	9.0.106845.3100

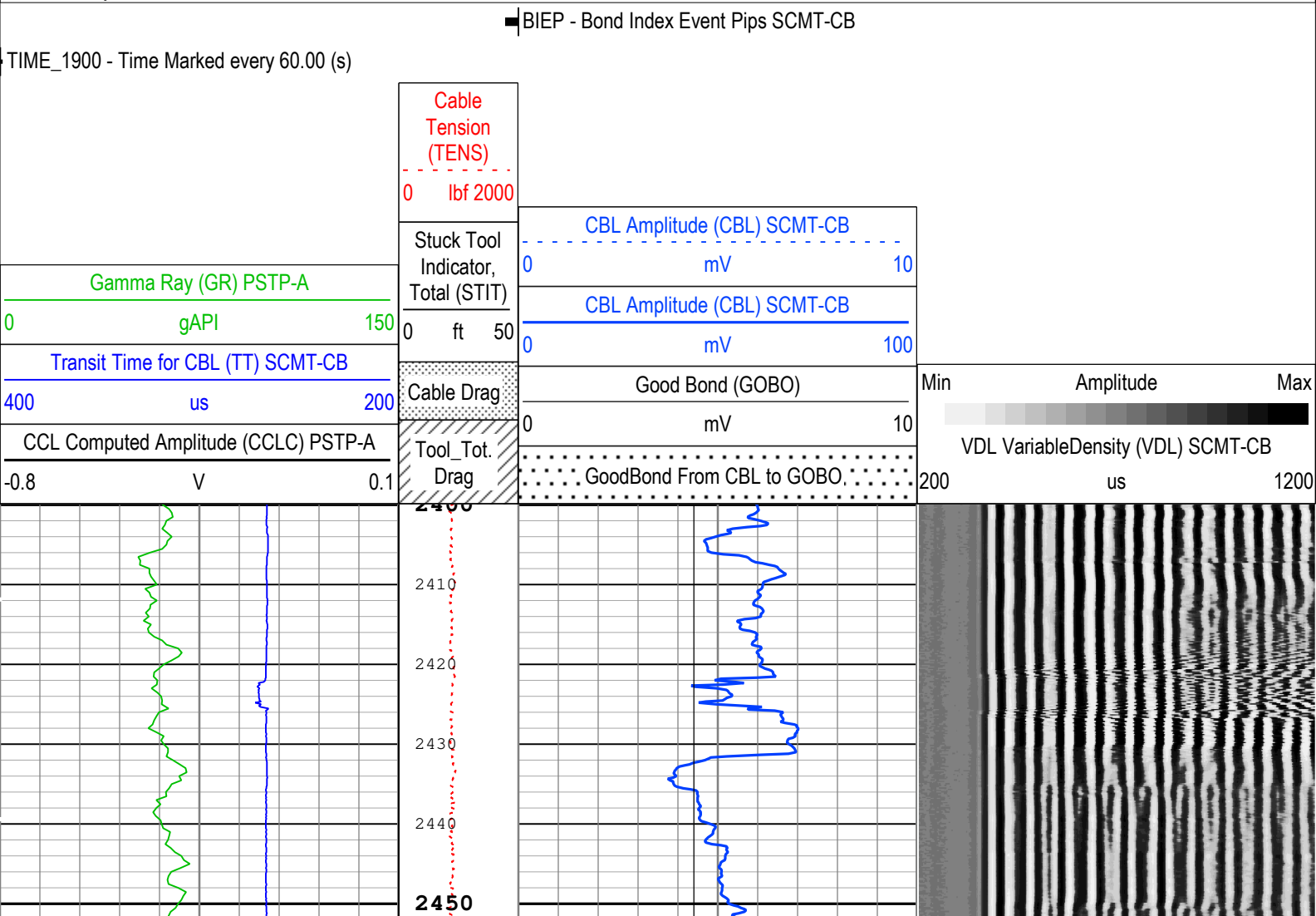
Pass Summary

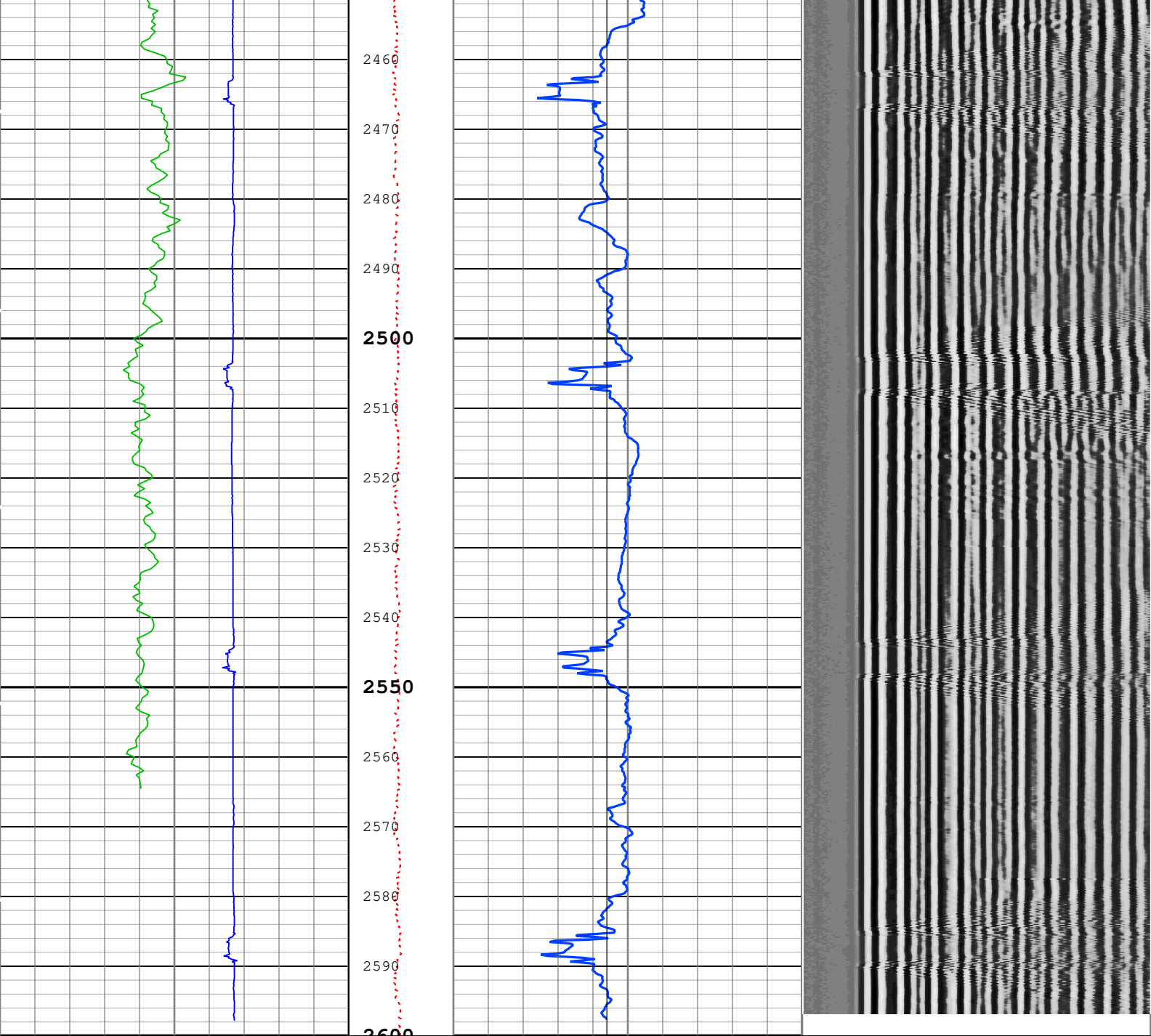
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[2]:Up	Up	2386.37 ft	2610.03 ft	17-May-2019 3:02:33 PM	17-May-2019 3:11:01 PM	ON	-2.59 ft	No

All depths are referenced to toolstring zero

Log	Company:Crestone Peak Resources and Operating LLC	Well:Echeverria 2F-2H-D267
		ONE: Log[2]:Up:S006

Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 17-May-2019 21:44:43





Gamma Ray (GR) PSTP-A	Cable Tension (TENS)	CBL Amplitude (CBL) SCMT-CB	Min	Amplitude	Max
0 gAPI 150	0 lbf 2000	0 mV 10			
Transit Time for CBL (TT) SCMT-CB	Stuck Tool Indicator, Total (STIT)	CBL Amplitude (CBL) SCMT-CB		VDL VariableDensity (VDL) SCMT-CB	
400 us 200	0 ft 50	0 mV 100	200	us	1200
CCL Computed Amplitude (CCLC) PSTP-A	Cable Drag	Good Bond (GOBO)			
-0.8 V 0.1	Tool_Tot. Drag	0 mV 10			
		GoodBond From CBL to GOBO			

TIME_1900 - Time Marked every 60.00 (s)

■ BIEP - Bond Index Event Pips SCMT-CB

Channel Processing Parameters

ONE: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	229.31	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	235.75	us
CBLG	CBL Gate Width	SCMT-CB	42	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	72	mV
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-CB	4.41	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	WTEP	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-CB	11.85	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-CB	4.75	ft
MSA	Minimum Sonic Amplitude	SCMT-CB	2.19	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	2.19	mV
RUN_SNUM	Run Sequence Number	WSDRUN	1	

Tool Control Parameters

ONE: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-CB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1077.14	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	

ONE

Repeat Pass

Software Version

Acquisition System	Version
Maxwell 2019	9.0.106845.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[2]:Up	Up	2386.37 ft	2610.03 ft	17-May-2019 3:02:33 PM	17-May-2019 3:11:01 PM	ON	-2.59 ft	No

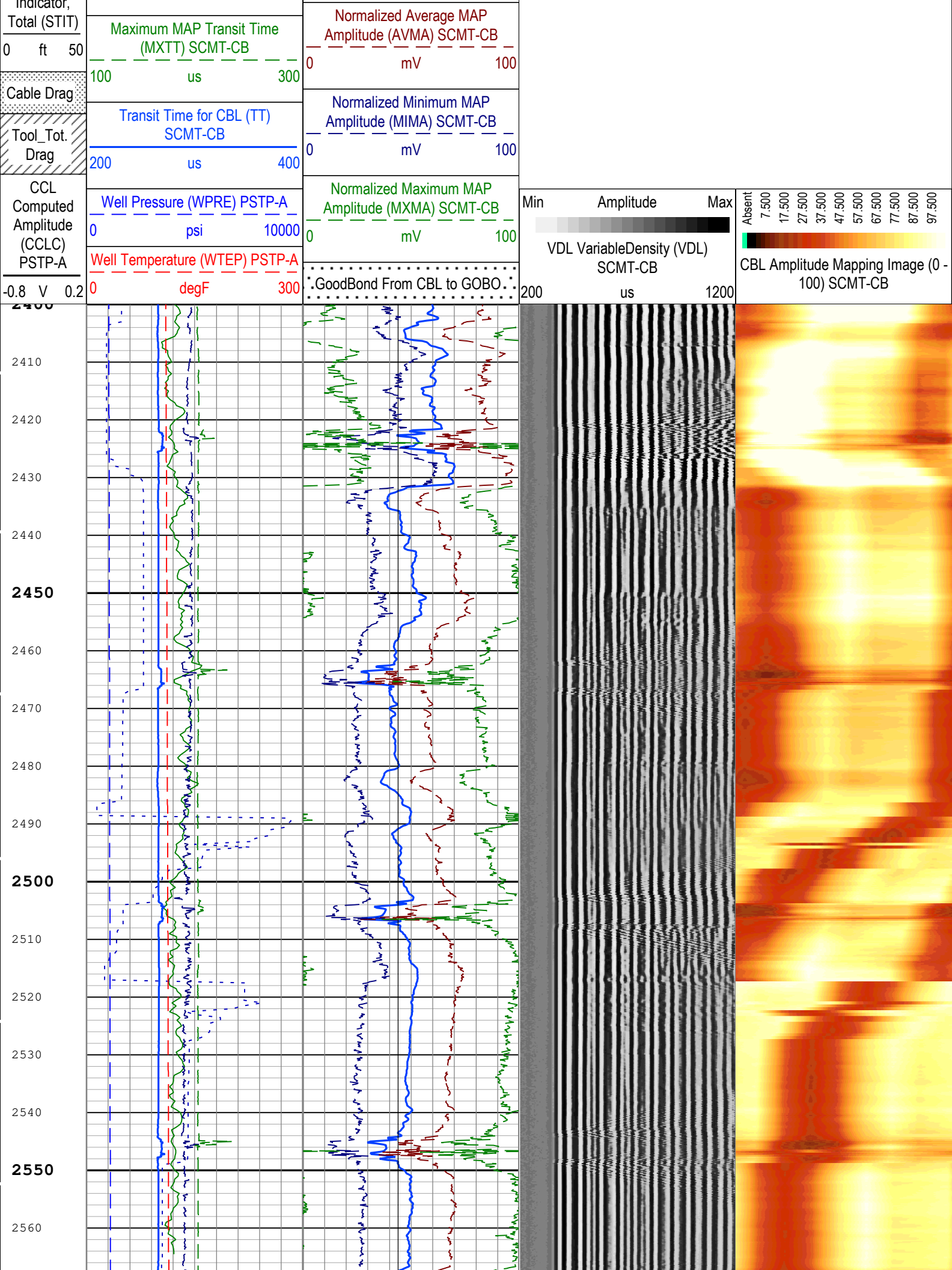
All depths are referenced to toolstring zero

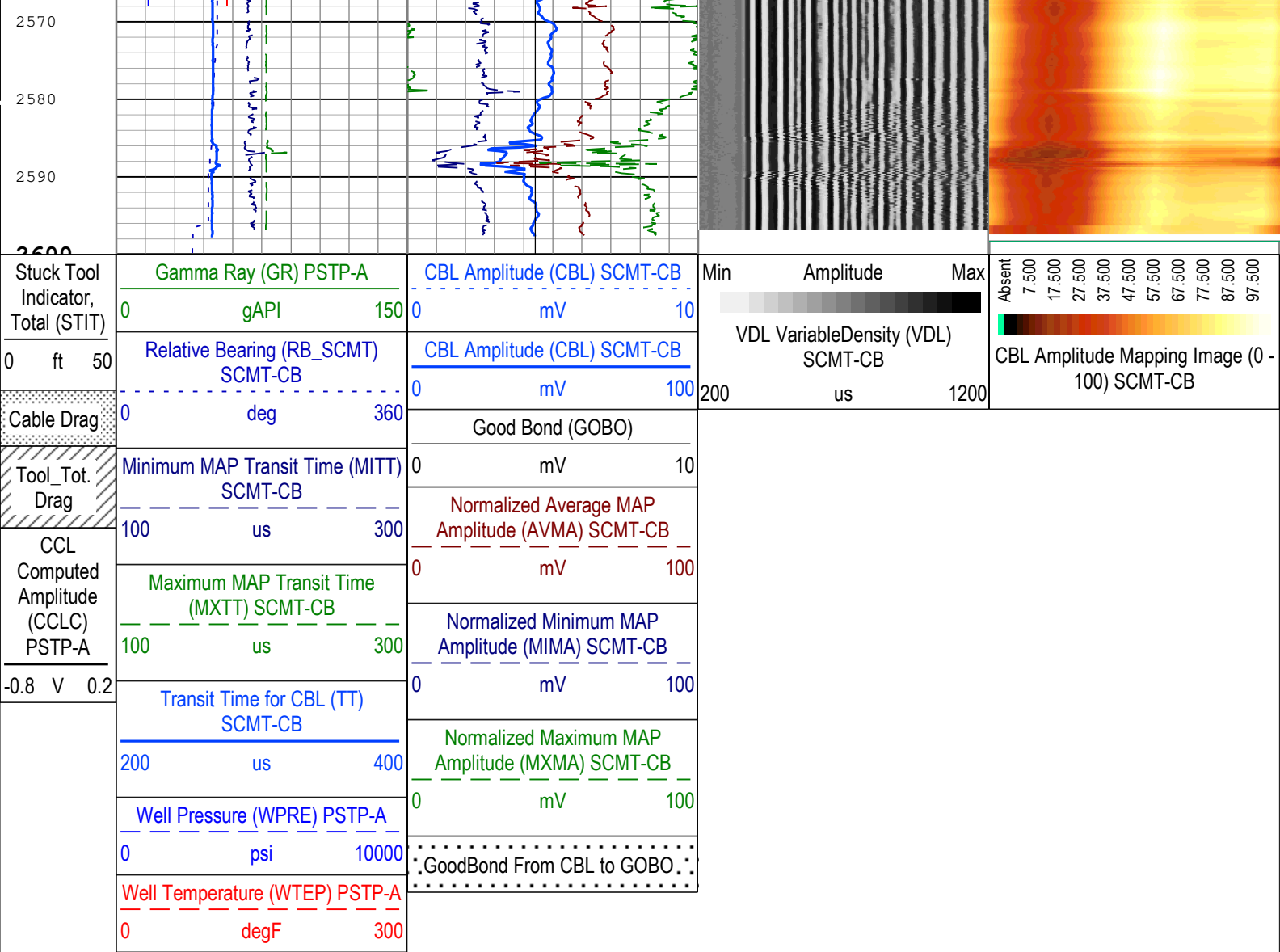
Log	Company:Crestone Peak Resources and Operating LLC	Well:Echeverria 2F-2H-D267
	ONE: Log[2]:Up:S006	

Description: SCMT VDL Image Format: Log (SCMT_VDL_Image) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 17-May-2019 21:44:46

TIME_1900 - Time Marked every 60.00 (s)

Stuck Tool Indicator	Gamma Ray (GR) PSTP-A					
	0	gAPI	150	CBL Amplitude (CBL) SCMT-CB		
	Relative Bearing (RB_SCMT) SCMT-CB			0	mV	10
	0	deg	360	CBL Amplitude (CBL) SCMT-CB		
	Minimum MAP Transit Time (MITT) SCMT-CB			0	mV	100
				Good Bond (GOBO)		
	100	us	300	0	mV	10





MSA	Minimum Sonic Amplitude	SCMT-CB	2.19	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	2.19	mV
RUN_SNUM	Run Sequence Number	WSDRUN	1	

Tool Control Parameters

ONE: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-CB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1077.14	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	

Calibration Report

SCMT-CB (Slim Cement Mapping Tool, 1-11/16 OD) Calibration - Run ONE

Primary Equipment :			
Slim Cement Mapping Sonde		SCMS-CB	8258

CBL and MAP Amplitude Normalization - Measurements

Master (Measured):	20:16:15 09-Oct-2018						
--------------------	----------------------	--	--	--	--	--	--

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div></div>
CBL 3 ft Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1350.000	1000.000	1179.675	1700.000	<div><div></div></div>
MAP 1 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	1218.098	1650.000	<div><div></div></div>
MAP 2 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	1093.785	1650.000	<div><div></div></div>
MAP 3 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	807.772	1650.000	<div><div></div></div>
MAP 4 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	882.819	1650.000	<div><div></div></div>
MAP 5 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	964.949	1650.000	<div><div></div></div>
MAP 6 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	1086.432	1650.000	<div><div></div></div>
MAP 7 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	1188.836	1650.000	<div><div></div></div>
MAP 8 Temperature/Pressure Compensated Raw Amplitude (at 0 degree)	mV	Master	1075.000	500.000	1282.034	1650.000	<div><div></div></div>
CBL 3 ft Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1350.000	1000.000	1178.190	1700.000	<div><div></div></div>
MAP 1 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	1054.282	1650.000	<div><div></div></div>
MAP 2 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	965.417	1650.000	<div><div></div></div>
MAP 3 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	760.428	1650.000	<div><div></div></div>
MAP 4 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	942.255	1650.000	<div><div></div></div>
MAP 5 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	1117.953	1650.000	<div><div></div></div>
MAP 6 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	1289.531	1650.000	<div><div></div></div>
MAP 7 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	1273.549	1650.000	<div><div></div></div>
MAP 8 Temperature/Pressure Compensated Raw Amplitude (at 90 degree)	mV	Master	1075.000	500.000	1172.603	1650.000	<div><div></div></div>
CBL 3 ft Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1350.000	1000.000	1177.369	1700.000	<div><div></div></div>
MAP 1 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	995.650	1650.000	<div><div></div></div>
MAP 2 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	998.660	1650.000	<div><div></div></div>
MAP 3 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	861.659	1650.000	<div><div></div></div>
MAP 4 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	1085.633	1650.000	<div><div></div></div>
MAP 5 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	1238.145	1650.000	<div><div></div></div>
MAP 6 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	1082.527	1650.000	<div><div></div></div>

MAP 6 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	1300.507	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 7 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	1172.184	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 8 Temperature/Pressure Compensated Raw Amplitude (at 180 degree)	mV	Master	1075.000	500.000	1036.327	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
CBL 3 ft Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1350.000	1000.000	1174.563	1700.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 1 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	1078.665	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 2 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	1119.866	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 3 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	955.836	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 4 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	1120.067	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 5 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	1171.587	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 6 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	1166.519	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 7 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	1067.010	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>
MAP 8 Temperature/Pressure Compensated Raw Amplitude (at 270 degree)	mV	Master	1075.000	500.000	1043.943	1650.000	<div><div></div><div></div><div></div><div></div><div></div></div>

CBL and MAP Amplitude Normalization - Coefficients

Master (Measured):		20:16:15 09-Oct-2018					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
Normalization Temperature in SFT Tube	degF	Master			64.00		<div><div></div><div></div></div>
CBL Correction Factor		Master	0		0.082		<div><div></div><div></div></div>
MAP 1 Correction Factor		Master	0		0.110		<div><div></div><div></div></div>
MAP 2 Correction Factor		Master	0		0.115		<div><div></div><div></div></div>
MAP 3 Correction Factor		Master	0		0.142		<div><div></div><div></div></div>
MAP 4 Correction Factor		Master	0		0.119		<div><div></div><div></div></div>
MAP 5 Correction Factor		Master	0		0.107		<div><div></div><div></div></div>
MAP 6 Correction Factor		Master	0		0.099		<div><div></div><div></div></div>
MAP 7 Correction Factor		Master	0		0.102		<div><div></div><div></div></div>
MAP 8 Correction Factor		Master	0		0.106		<div><div></div><div></div></div>

CBL and MAP Amplitude Adjustment - Measurements

Before (Measured):		21:18:29 17-May-2019					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
CBL Amplitude	mV	Before			84.32		<div><div></div><div></div></div>
Average MAP Amplitude (Fluid Compensated)	mV	Before			171.74		<div><div></div><div></div></div>
Measurement Depth	ft	Before			1443.83		<div><div></div><div></div></div>

CBL and MAP Amplitude Adjustment - Coefficients

Before (Measured):		21:18:29 17-May-2019							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>	<div></div>	
CBL Adjustment Factor		Before			0.854		<div></div>	<div></div>	
CBL LQC Reference Amplitude in Free Pipe	mV	Before			72.00		<div></div>	<div></div>	
MAP Adjustment Factor		Before			0.582		<div></div>	<div></div>	
Depth of Before Calibration	ft	Before			1443.83		<div></div>	<div></div>	

PSTP-A (PSP Telemetry Platform A - Sapphire) Calibration - Run ONE

Primary Equipment :		
PBMS-A	PBMS-A	1925
Calibration Parameter :		
JIG-BKGD		

PBMS Well Temp Master Calibration	
Master (EEPROM):	00:00:00 22-Oct-2018
PBMS_RTD_THERM (Master)	RTD Coefficients

	Tt**0	Tt**1	Tt**2	Tt**3	Tt**4	Tt**5
Tt**0	-410.1011	188.1116	-36.84356	7.122567	-0.4733946	0

PBMS Gamma Ray Master Calibration						
Master (EEPROM): 00:00:00 07-Mar-2003						
PBMS_GR_MODEL GR Coefficients (Master)						
	Rt**0			Rt**1		
Rt**0	2000			4740		

PBMS A Reference Clock Master Calibration						
Master (EEPROM): 00:00:00 22-Oct-2018						
PBMS_REF_CLOCK PBMS A Clock Coefficients (Master)						
	Temp**0	Temp**1	Temp**2	Temp**3	Temp**4	Temp**5
Temp**0	-53.18935	-7.201934	-0.02214573	0.0001183733	4.091469E-06	0

PBMS A Sapphire Master Calibration						
Master (EEPROM): 00:00:00 22-Oct-2018						
PBMS_P_GAUGE_PRES Sapphire Pressure Model Coefficients (Master)						
	Tt**0	Tt**1	Tt**2	Tt**3	Tt**4	Tt**5
Tp**0	-25691.09	17029.96	-5075.791	726.4449	-40.75964	0
Tp**1	19132.39	-12381.02	3822.557	-563.1737	32.42202	0
Tp**2	-179.7185	65.96684	-6.392941	0	0	0
Tp**3	3.901225	-0.8302976	0	0	0	0
Tp**4	0	0	0	0	0	0
Tp**5	0	0	0	0	0	0
PBMS_P_GAUGE_TEMP Sapphire Temperature Model Coefficients (Master)						
	Tp**0	Tp**1	Tp**2	Tp**3	Tp**4	Tp**5
Tt**0	2139.044	0.9065338	-1.614862	0.4019501	-0.0426815	0
Tt**1	-1249.353	0.4641727	0.3407869	-0.06403436	0.007093906	0
Tt**2	256.6918	-0.2288171	-0.01679745	0	0	0
Tt**3	-18.59611	0.0234225	0	0	0	0
Tt**4	0	0	0	0	0	0
Tt**5	0	0	0	0	0	0

Company:	Crestone Peak Resources and Operating LLC	Schlumberger
Well:	Echeverria 2F-2H-D267	
Field:	Wattenberg	
County:	Weld	
State:	Colorado	
Slim Cement Mapping Tool		
Cement Evaluation		
Gamma Ray - CCL Log		