

Company: Caerus Piceance LLC

Well: Puckett 42B-2

Field: Wildcat

County: Garfield State: Colorado

Slim Cement Mapping Tool

CBL-VDL

County: Garfield
Field: Wildcat
Location: SHL: S2, T7S, R97W
Well: Puckett 42B-2
Company: Caerus Piceance LLC

Location:		SHL: S2, T7S, R97W 2197' FNL & 65'1' FEL LAT: 39.475758 / LONG: -108.180308	Elev.: K.B. 8509.00 ft G.L. 8479.00 ft D.F. 8509.00 ft
Permanent Datum:	Ground Level	Kelly Bushing	30.00 ft above Perm.Datum
Log Measured From:	Kelly Bushing		
Drilling Measured From:	Kelly Bushing		
API Serial No.	Section: 2	Township: 7S	Range: 97W
05-045-22626			

Logging Date 24-Jul-2015

Run Number ONE

Depth Driller 8915.00 ft

Schlumberger Depth 8874.00 ft

Bottom Log Interval 8874.00 ft

Top Log Interval 2500.00 ft

Casing Fluid Type 3% KCl

Salinity

Density 9 lbm/gal

Fluid Level 0.00 ft

BIT/CASING/TUBING STRING

Bit Size 8.75 in

From 2535.00 ft

To 8915.00 ft

Casing/Tubing Size 4.5 in

Weight 11.6 lbm/ft

Grade P110

From 0.00 ft

To 8911.00 ft

Max Recorded Temperatures 228 degF

Logger on Bottom 24-Jul-2015 08:18:00

Unit Number 2135 Location: Benjamin Mammon Fort Morgan, CO

Recorded By Natalie Naeve

Disclaimer

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

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12.1 Integration Summary

12.2 Software Version

12.3 Composite Summary

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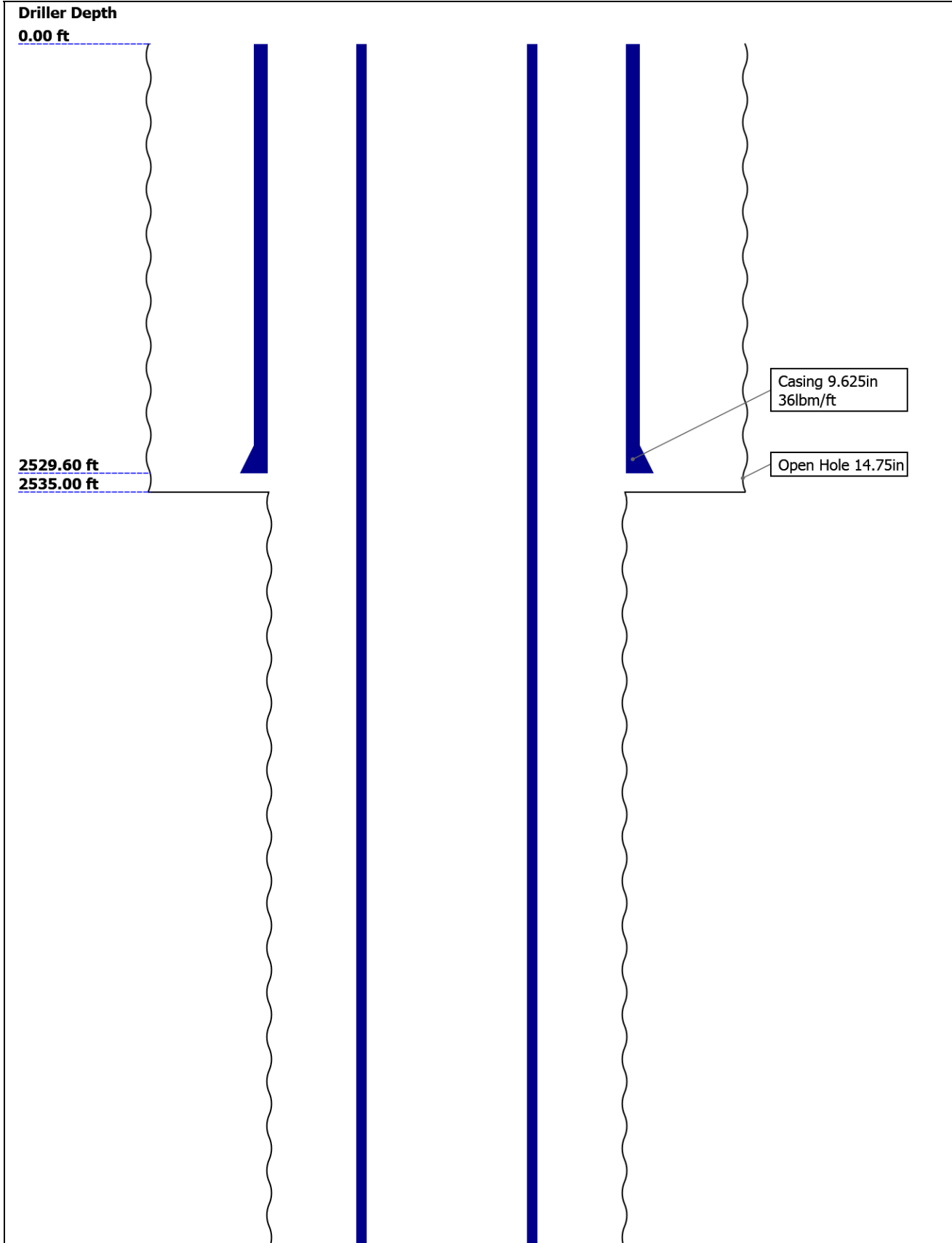
12.5 Parameter Listing

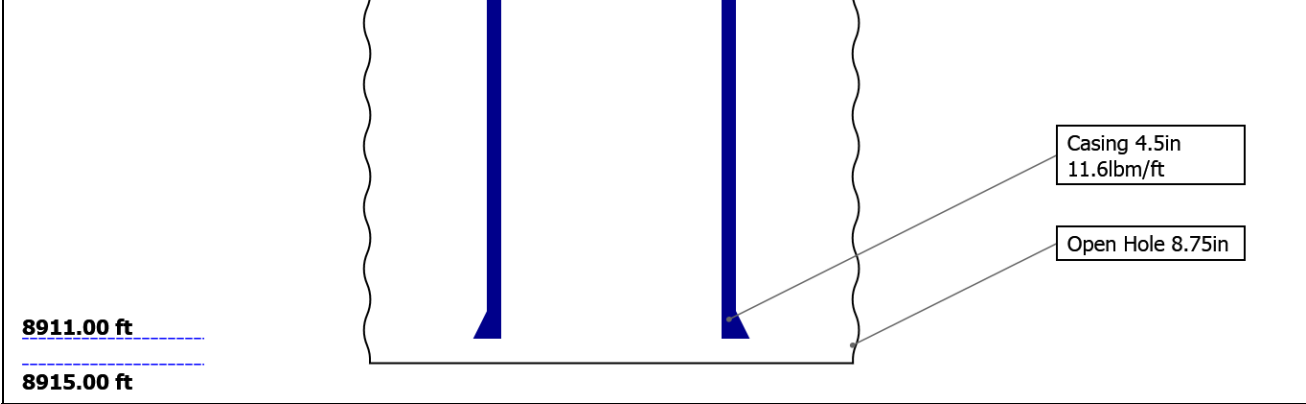
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- 10.5 Parameter Listing
- 11. ONE Main Pass 2500 PSI
 - 11.1 Integration Summary
 - 11.2 Software Version
 - 11.3 Composite Summary

Well Sketch





Borehole Size/Casing/Tubing Record

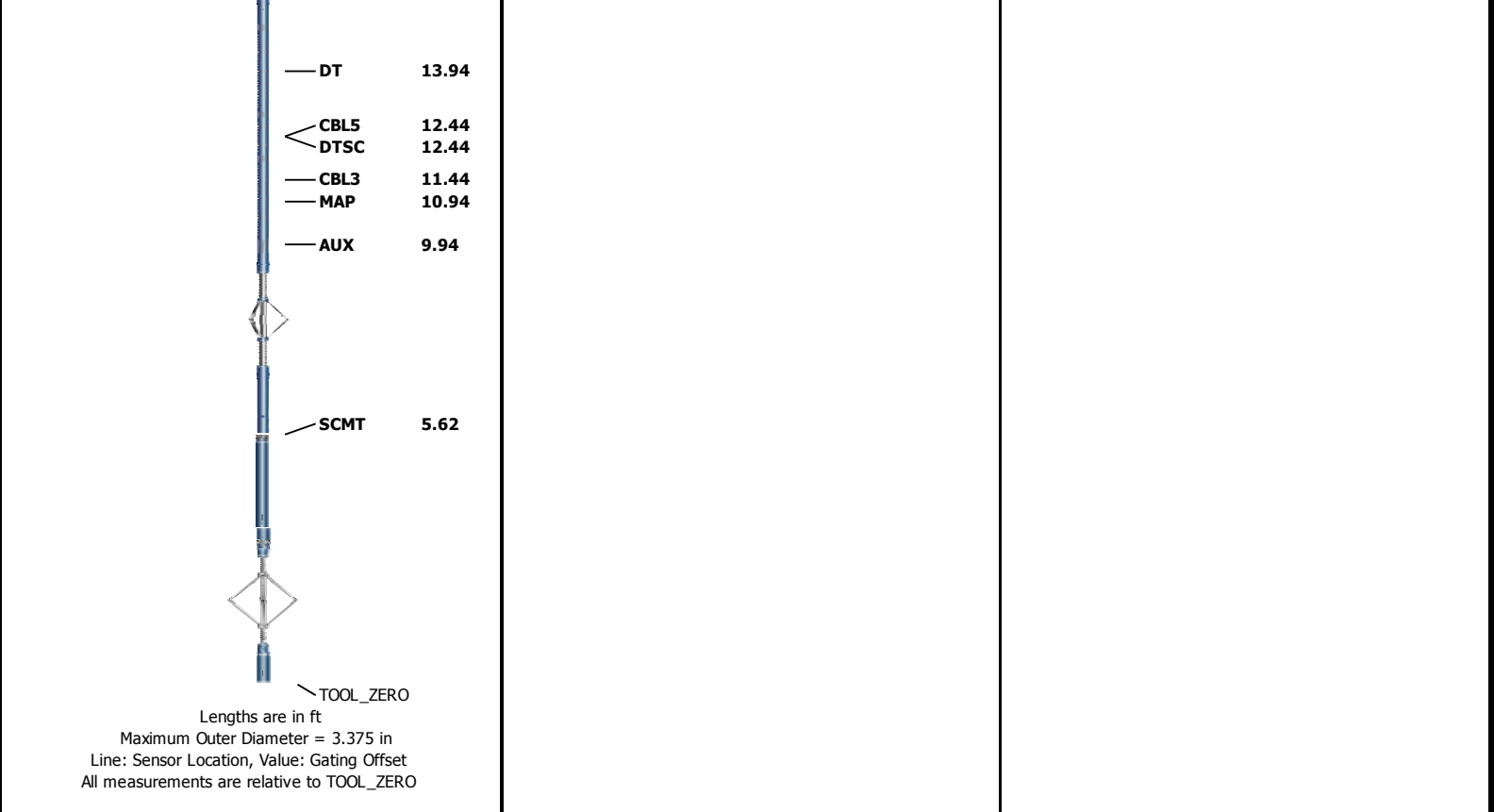
Bit						
Bit Size (in)	14.75	8.75				
Top Driller (ft)	0	2535				
Top Logger (ft)	0	2535				
Bottom Driller (ft)	2535	8915				
Bottom Logger (ft)	2535	8915				
Casing						
Size (in)	9.625	4.5				
Weight (lbm/ft)	36	11.6				
Inner Diameter (in)	8.921	4				
Grade	J55	P110				
Top Driller (ft)	0	0				
Top Logger (ft)	0	0				
Bottom Driller (ft)	2529.6	8911				
Bottom Logger (ft)	2529.6	8911				

Operational Run Summary

Parameter (unit)	ONE					
Date Log Started	24-Jul-2015					
Time Log Started	06:56:06					
Date Log Finished	24-Jul-2015					
Time Log Finished	12:36:37					
Top Log Interval (ft)	2500.00					
Bottom Log Interval (ft)	8874.00					
Total Depth (ft)	8874.00					
Max Hole Deviation (deg)	0.00					
Azimuth of Max Deviation (deg)	0.00					
Bit Size (in)	8.750					
Logging Unit Number	2135					
Logging Unit Location	Fort Morgan, CO					
Recorded By	Benjamin Marmon					

Remarks and Equipment Summary

[illegible]



Depth Summary			
	ONE		
Depth Measuring Device			
Type	IDW-B		
Serial Number			
Calibration Date			
Calibrator Serial Number			
Calibration Cable Type			
Wheel Correction 1	0		
Wheel Correction 2	0		
Tension Device			
Type	CMTD-B/A		
Serial Number			
Calibration Date			
Calibrator Serial Number			
Number of Calibration Points	0		
Logging Cable			
Type	7-46A-XS		
Serial Number			
Length	21000.00 ft		
Conveyance Type	Wireline		
Rig Type	Crane		
ONE:Depth Control Parameters		Depth Control Remarks	
Log Sequence	First Log In the Well	All Schlumberger depth control procedures followed during logging operations.	
Rig Up Length At Surface		IDW used as primary depth control meausrement.	
Rig Up Length At Bottom		Z-Chart used as secondary depth control measure	

Rig Up Length At Bottom	2 Chart used as secondary depth control measure.
Rig Up Length Correction	
Stretch Correction	
Tool Zero Check At Surface	

ONE

Main Pass 2500 PSI

Software Version

Acquisition System	Version
Maxwell 2016	6.0.47569.3100

Pass Summary

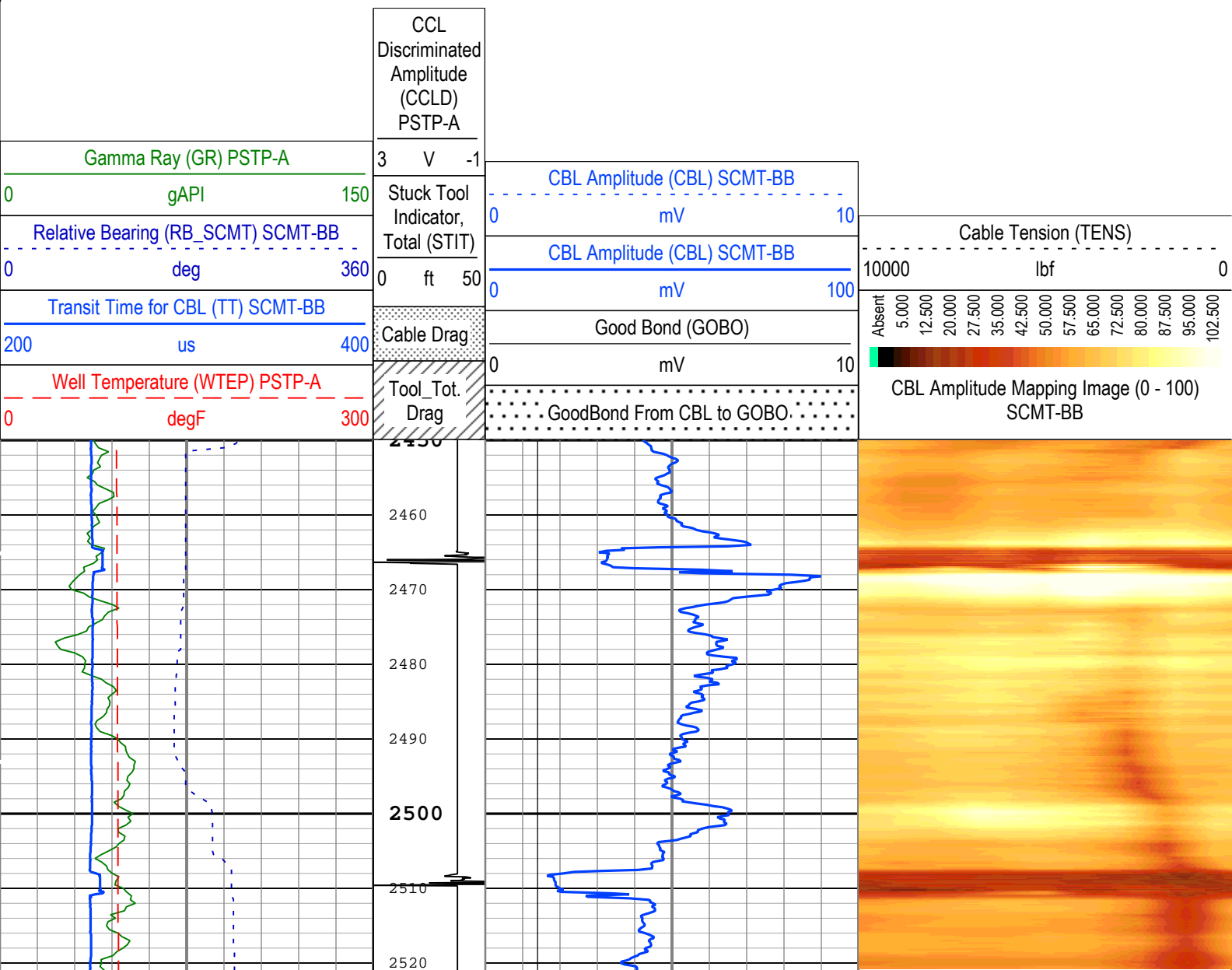
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[3]:Up	Up	2249.32 ft	8884.28 ft	24-Jul-2015 8:45:22 AM	24-Jul-2015 12:27:44 PM	ON	4.17 ft	Yes

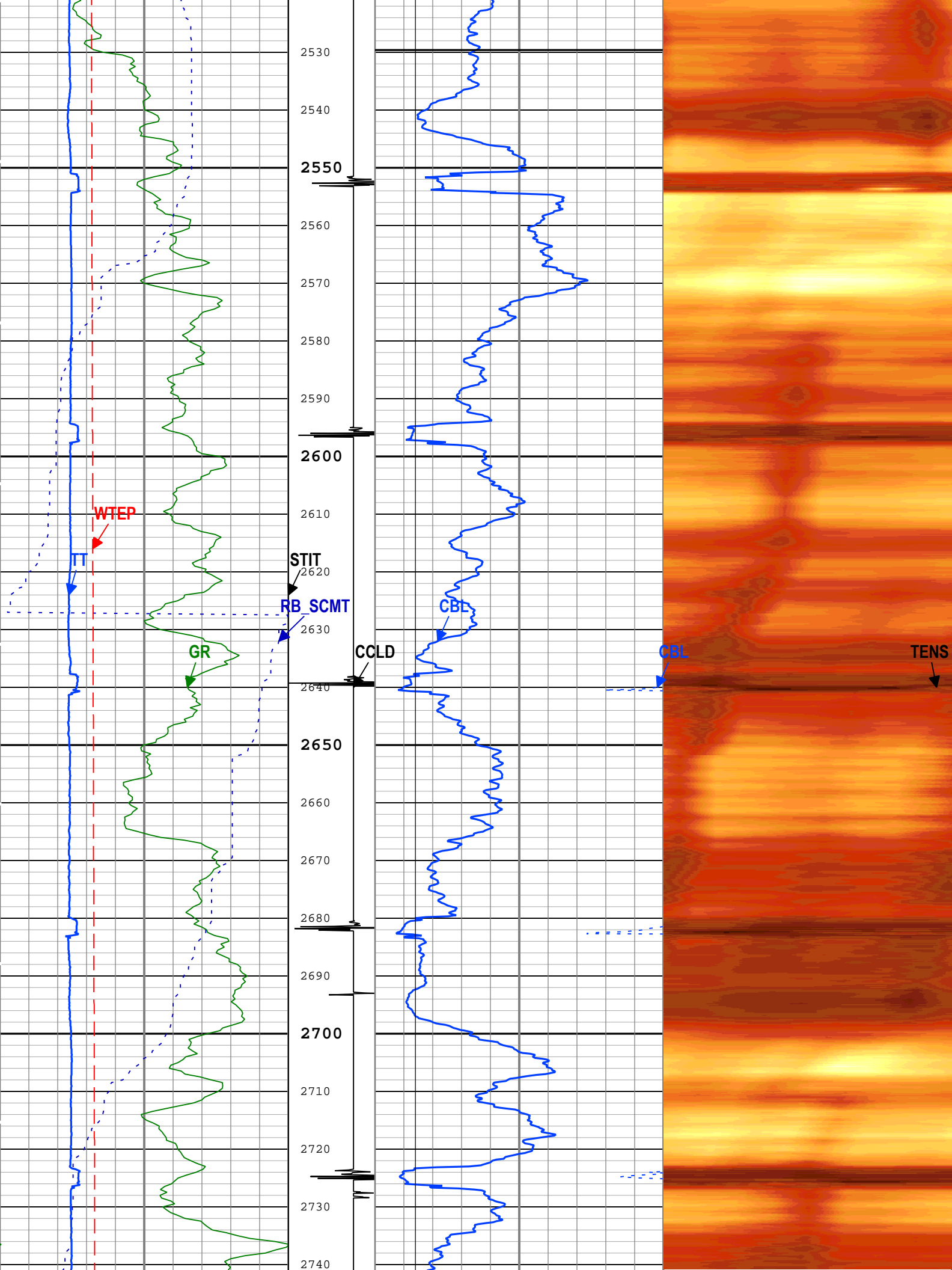
All depths are referenced to toolstring zero

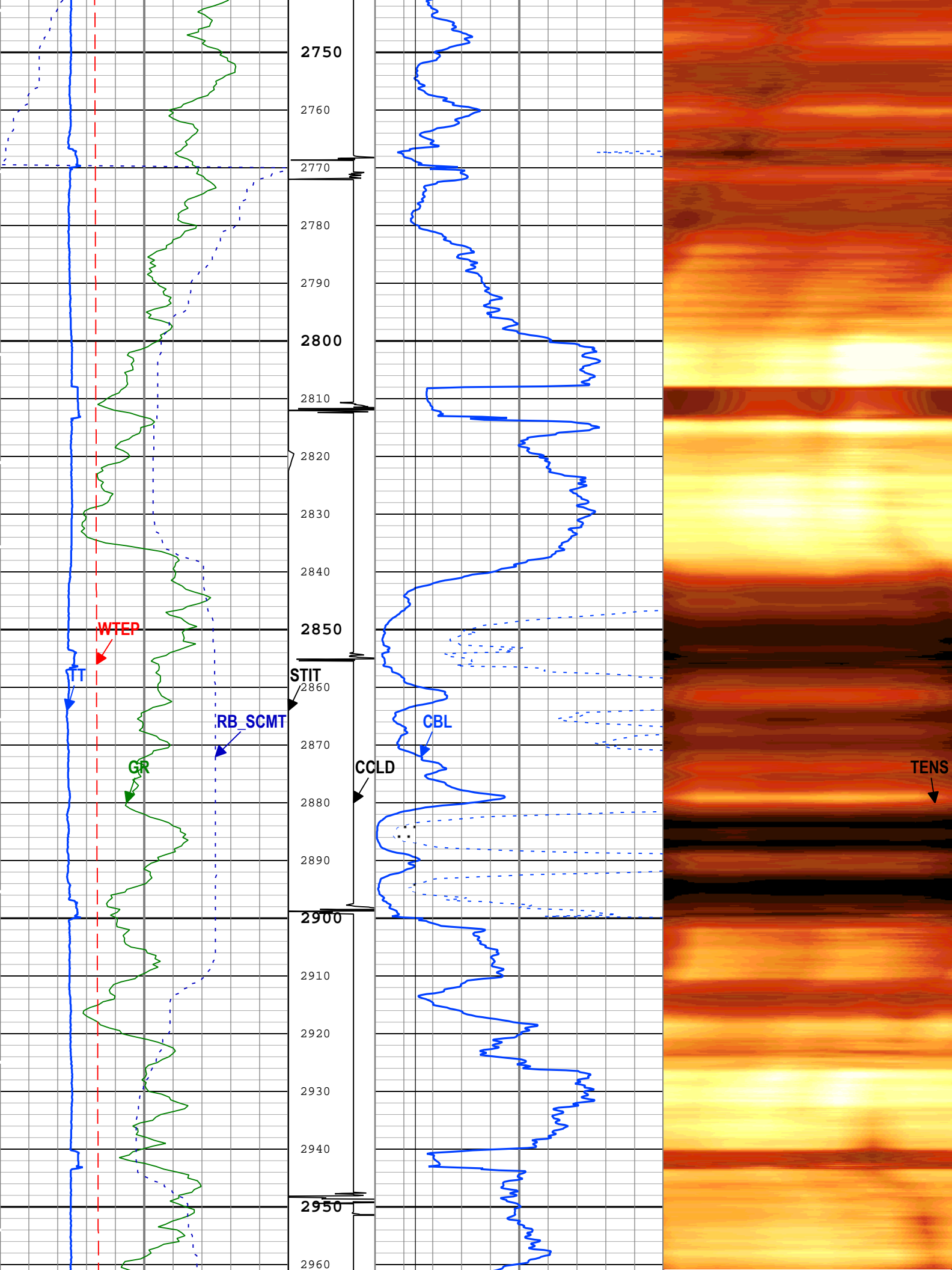
Log	Company:Caerus Piceance LLC Well:Puckett 42B-2 ONE: Log[3]:Up:S014
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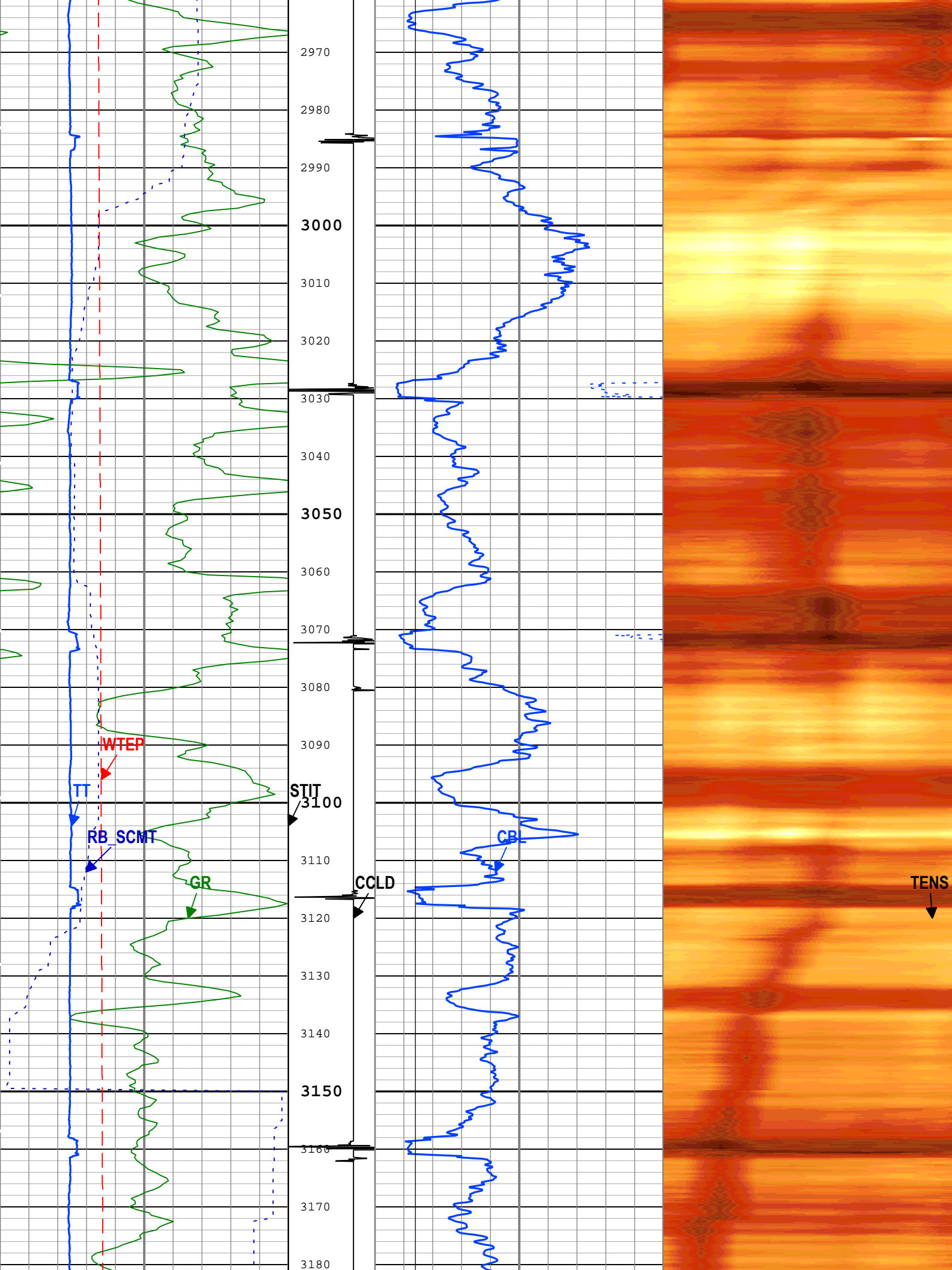
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Depth Creation Date: 05-Aug-2015 18:32:39

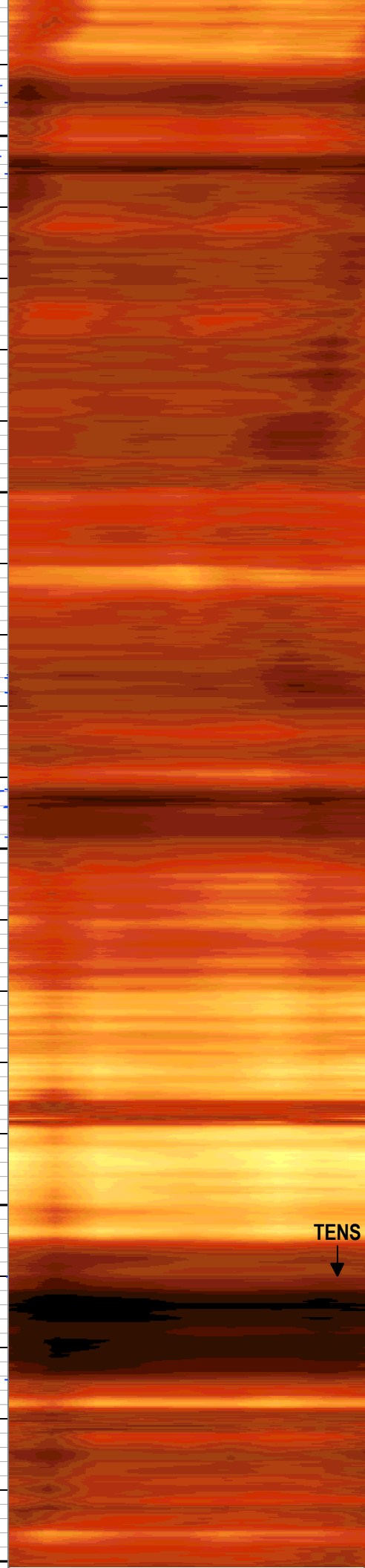
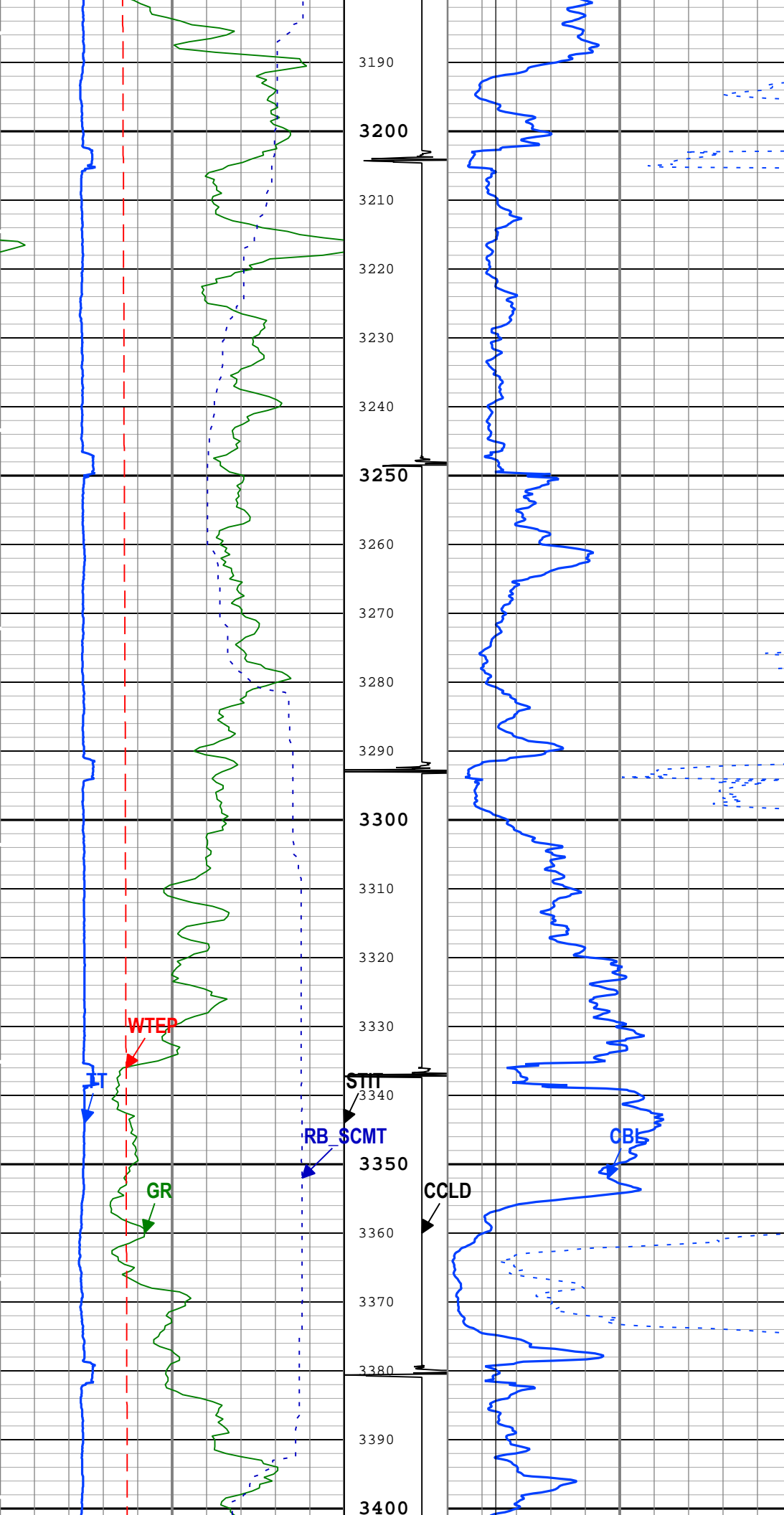
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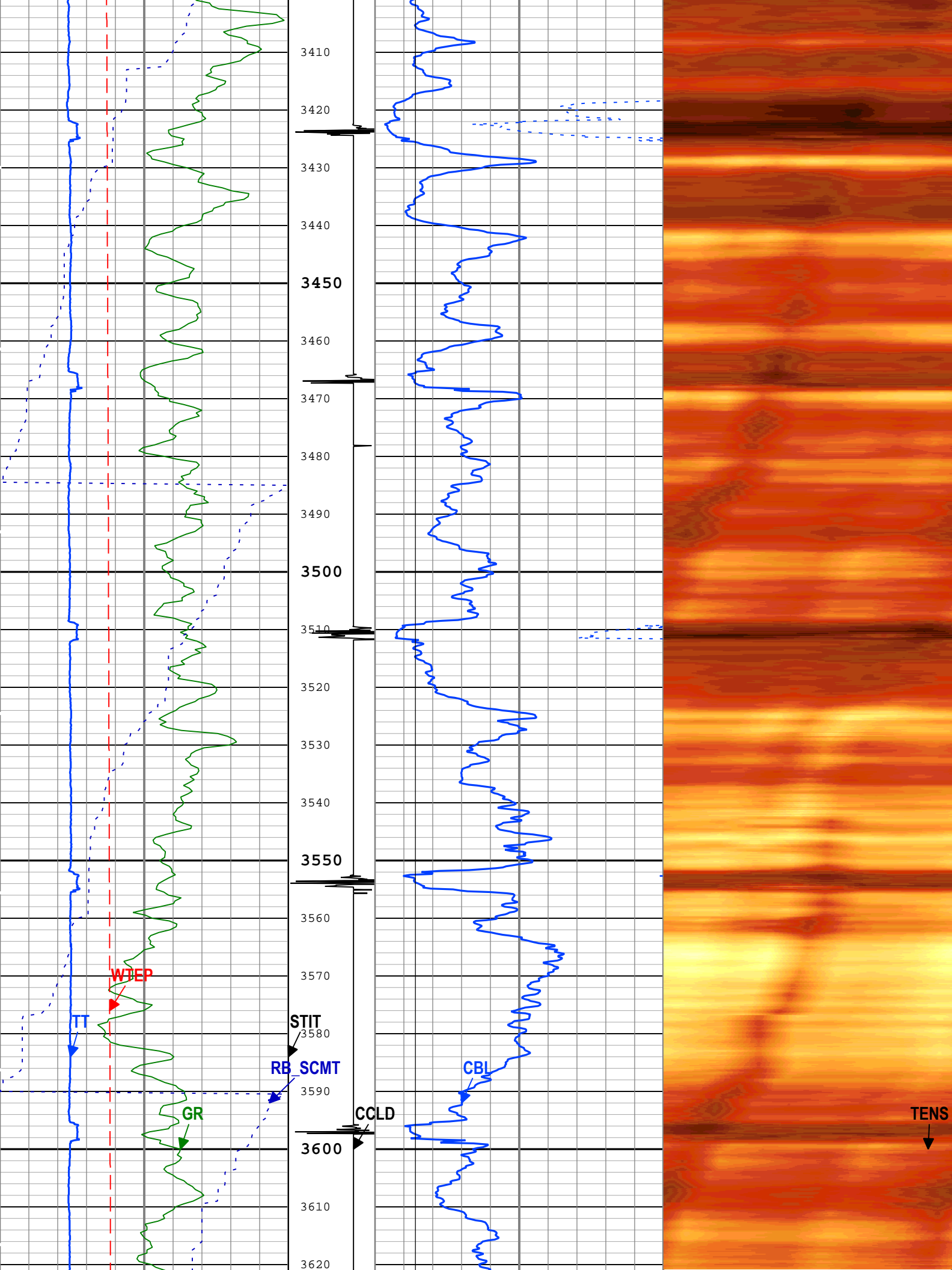


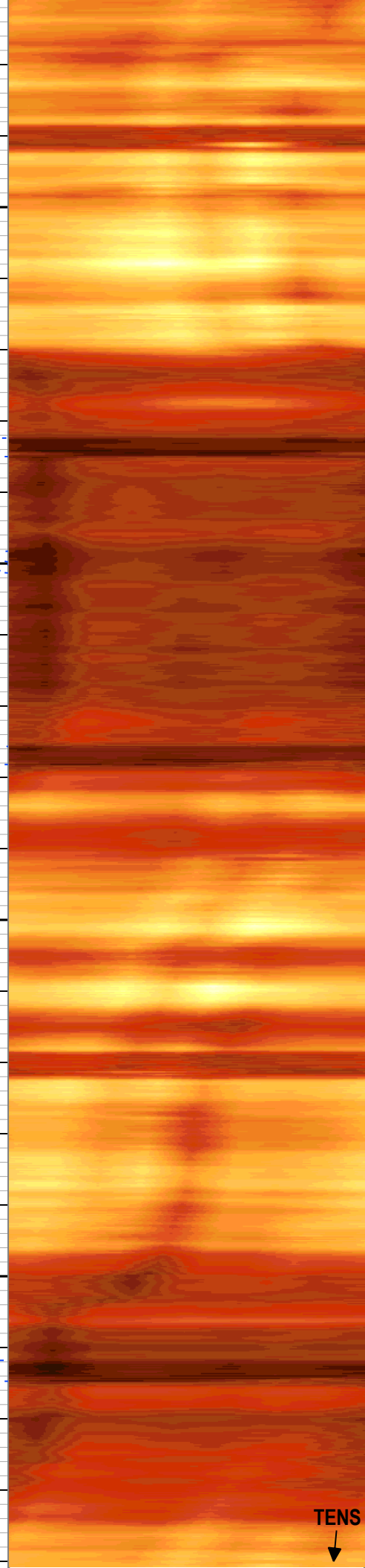
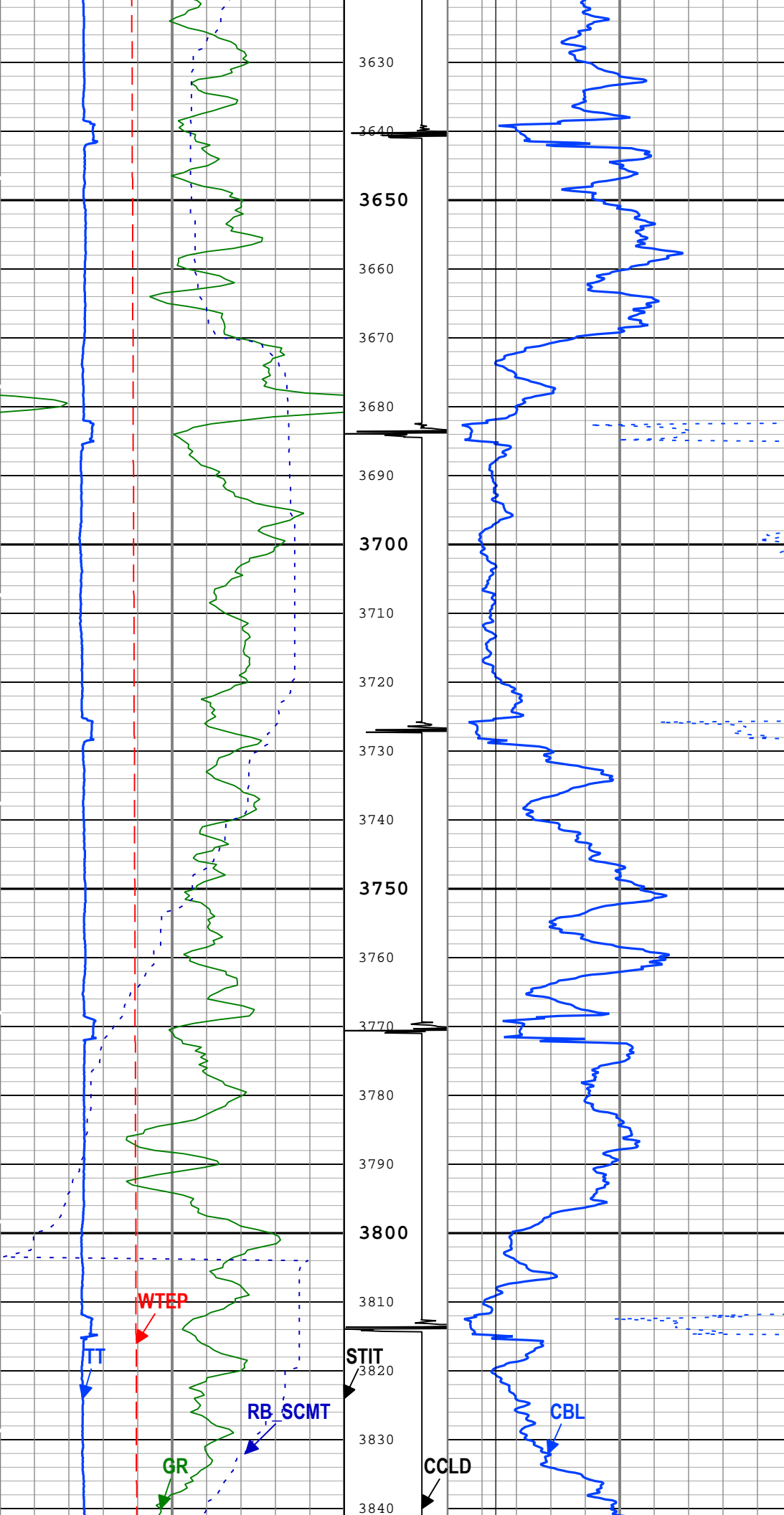




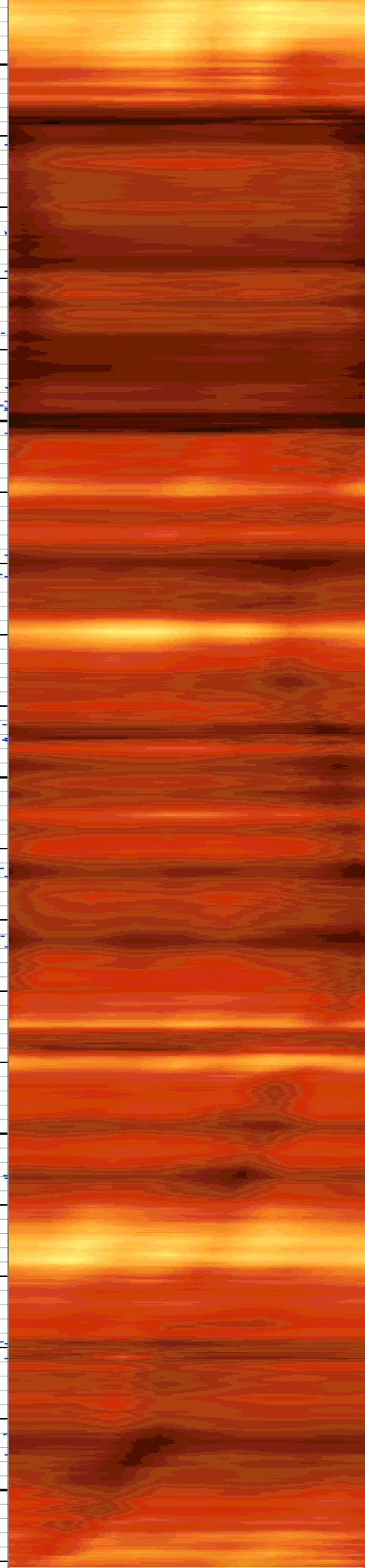
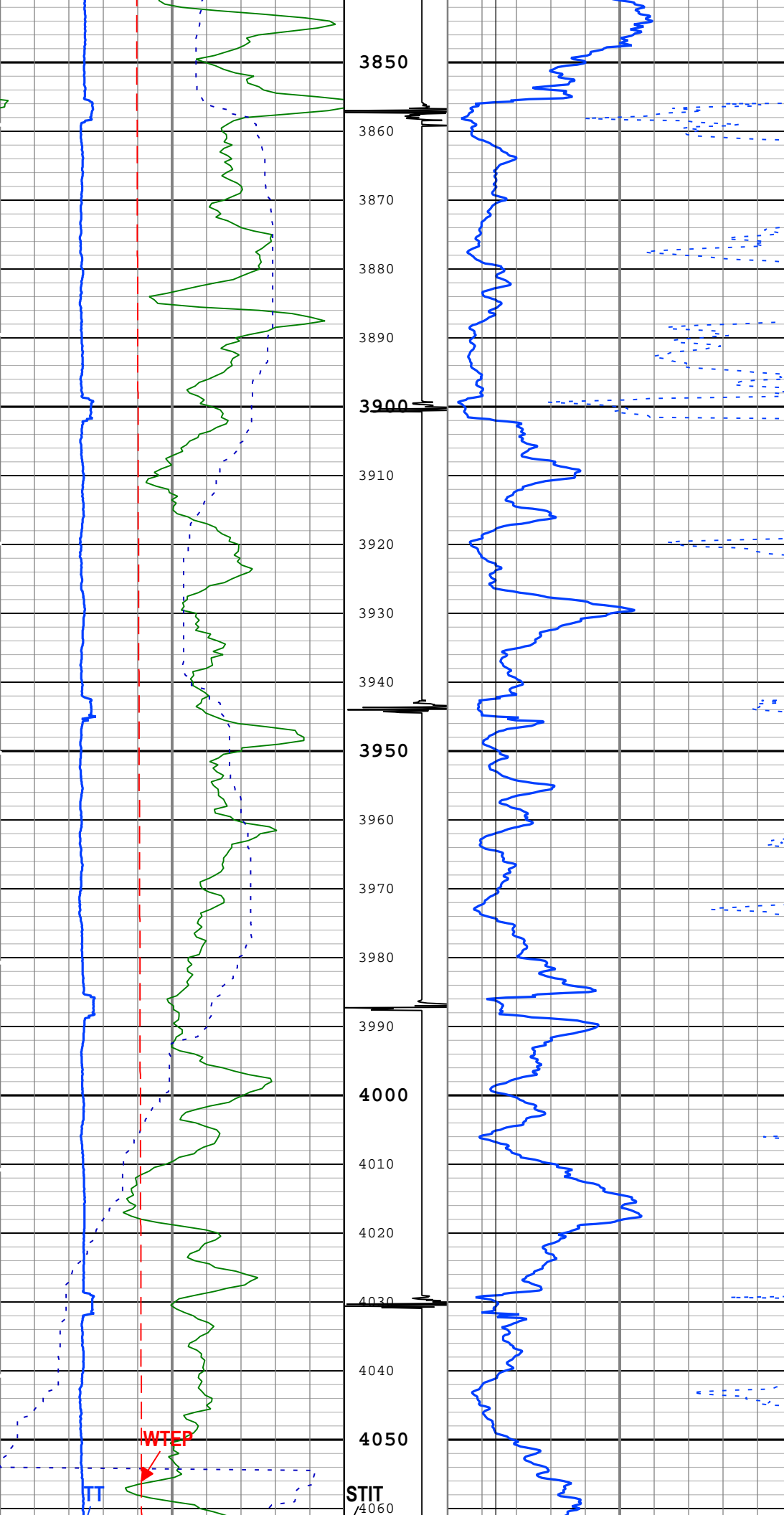


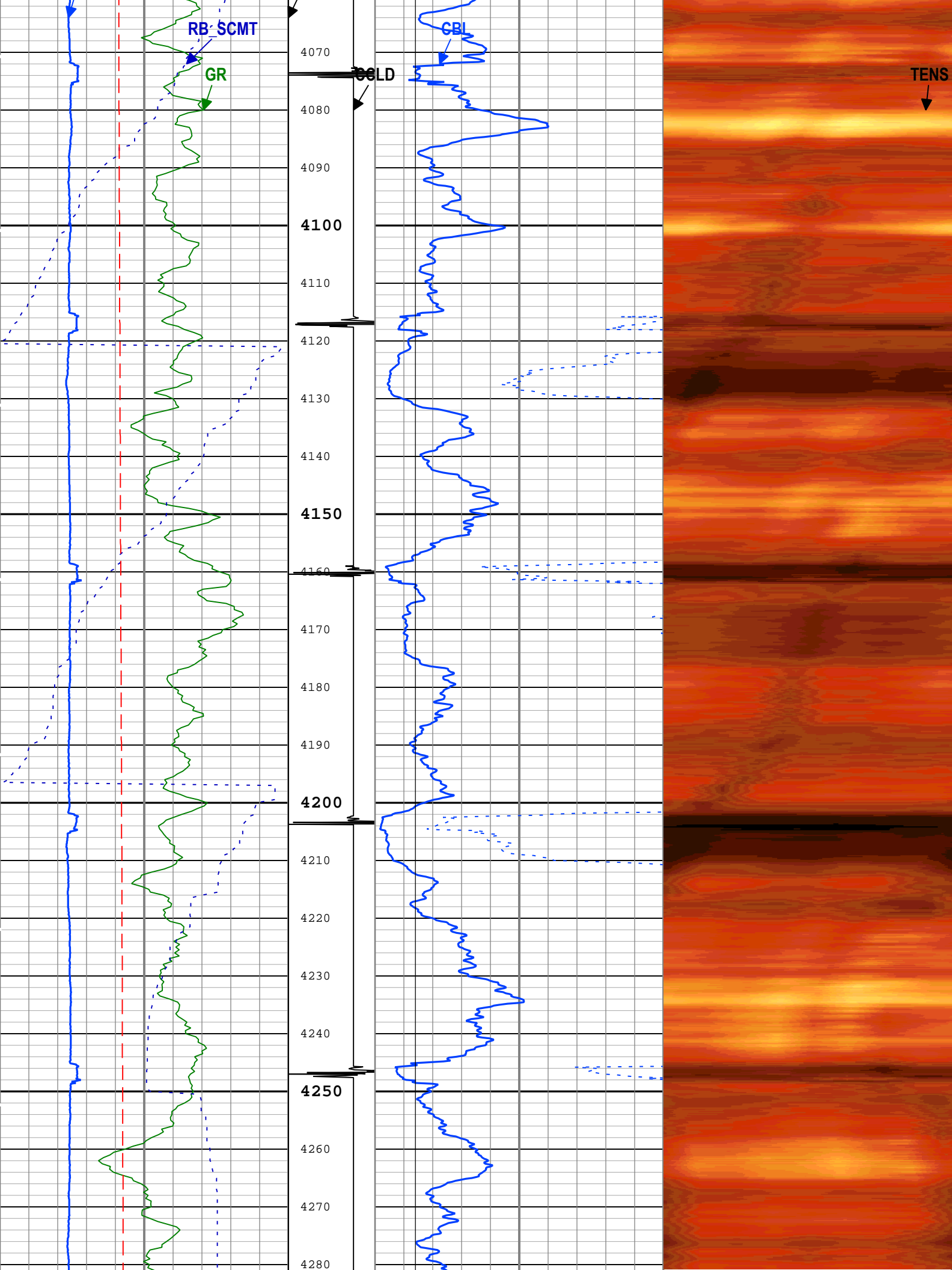


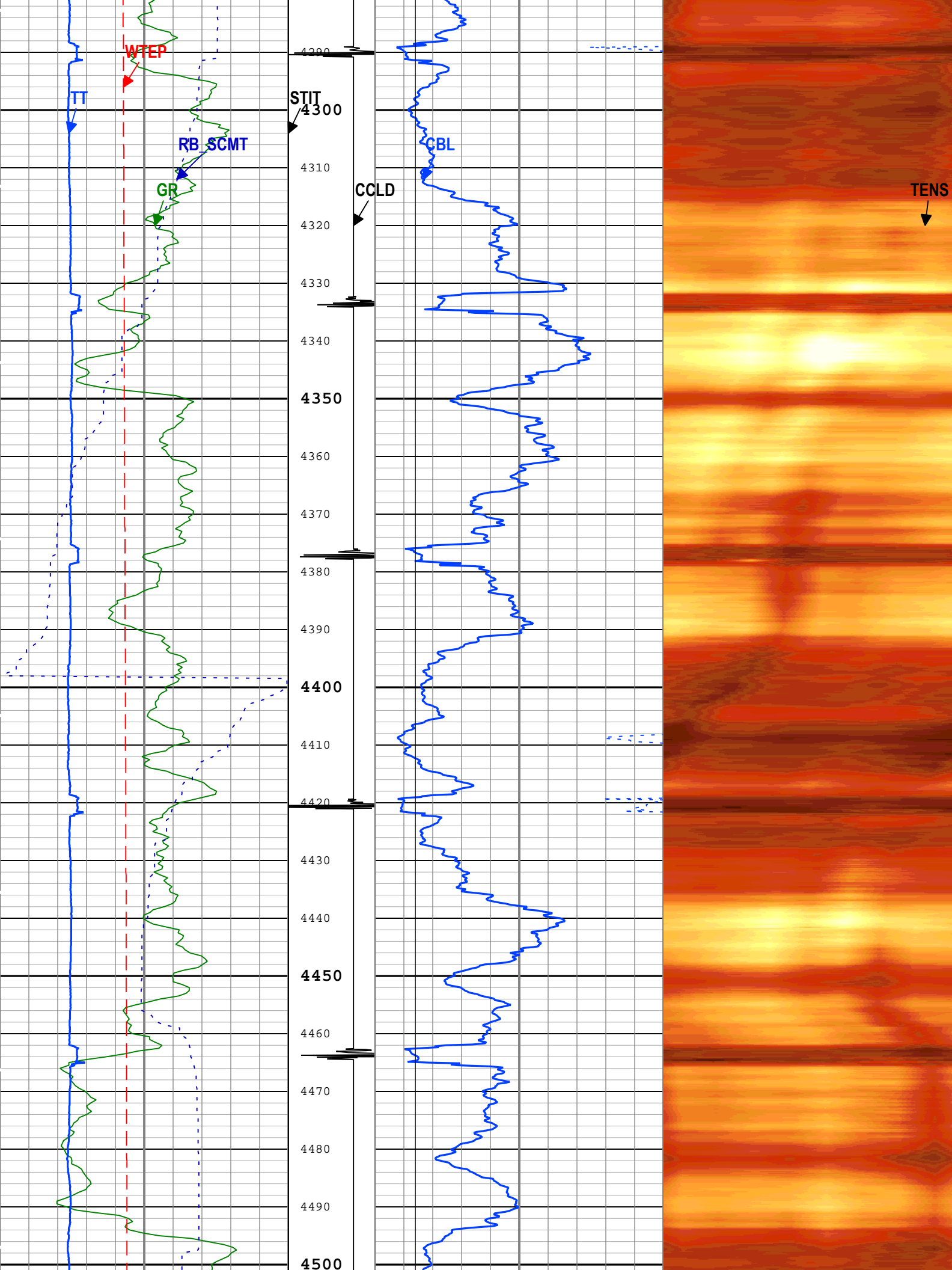


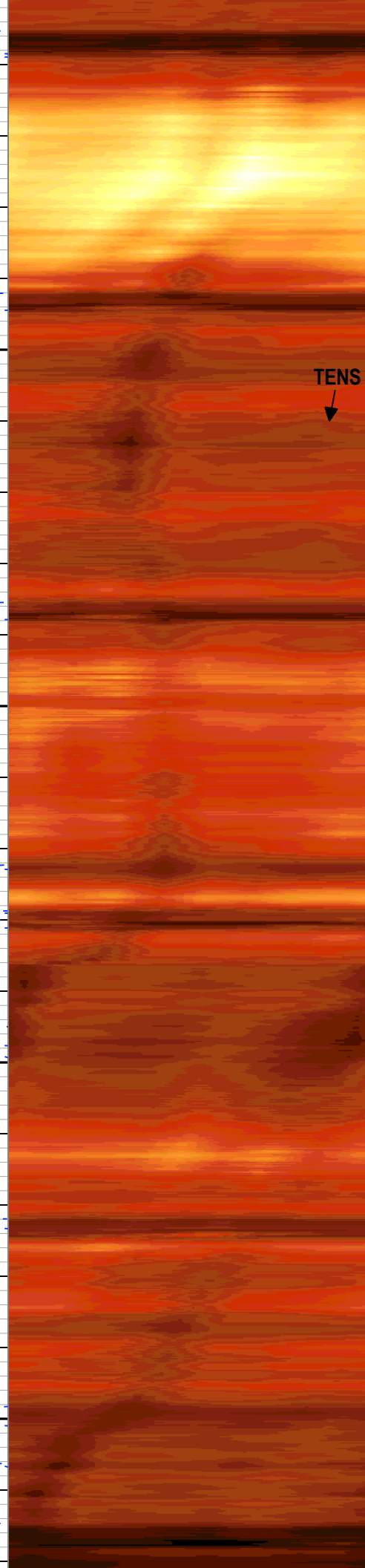
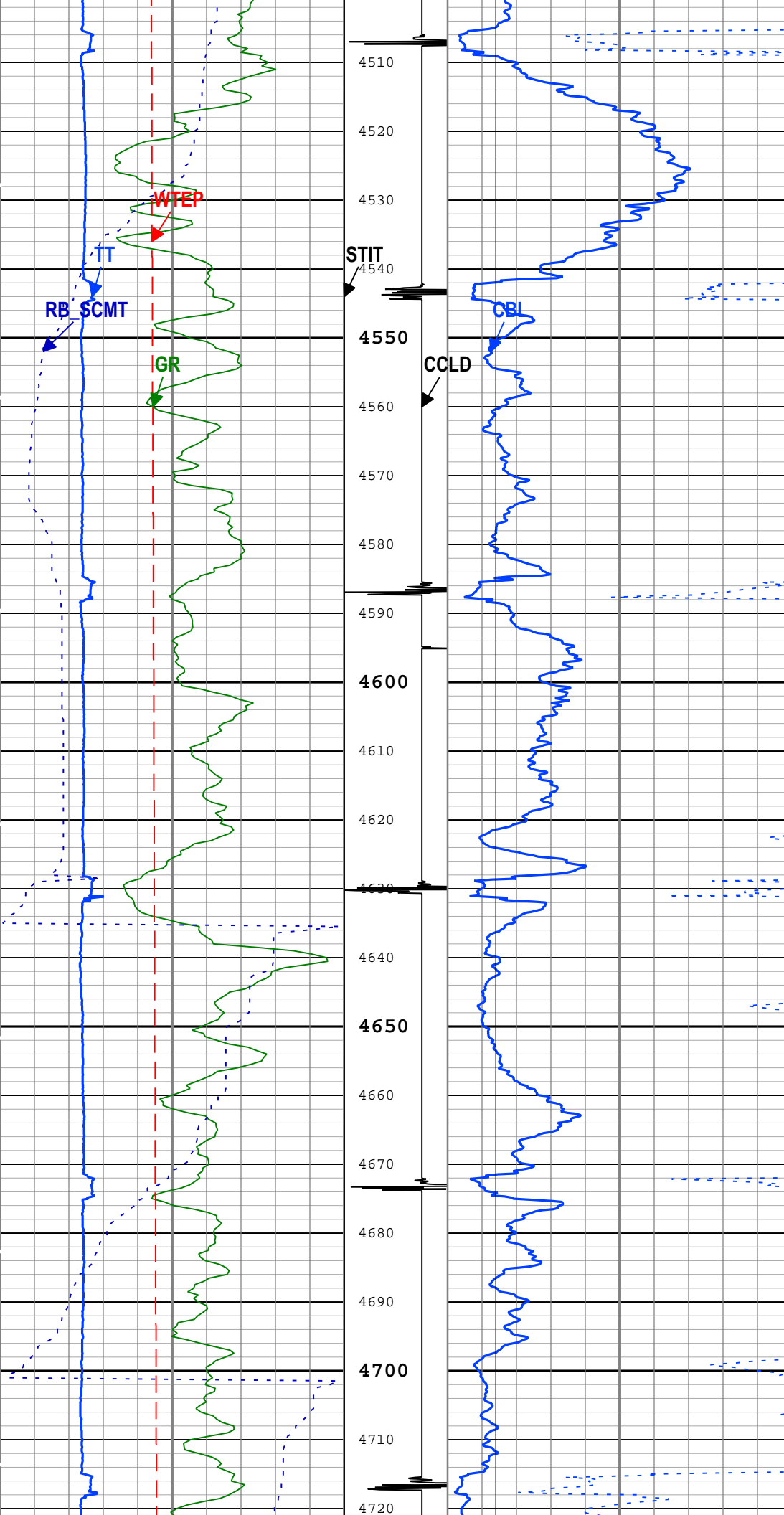


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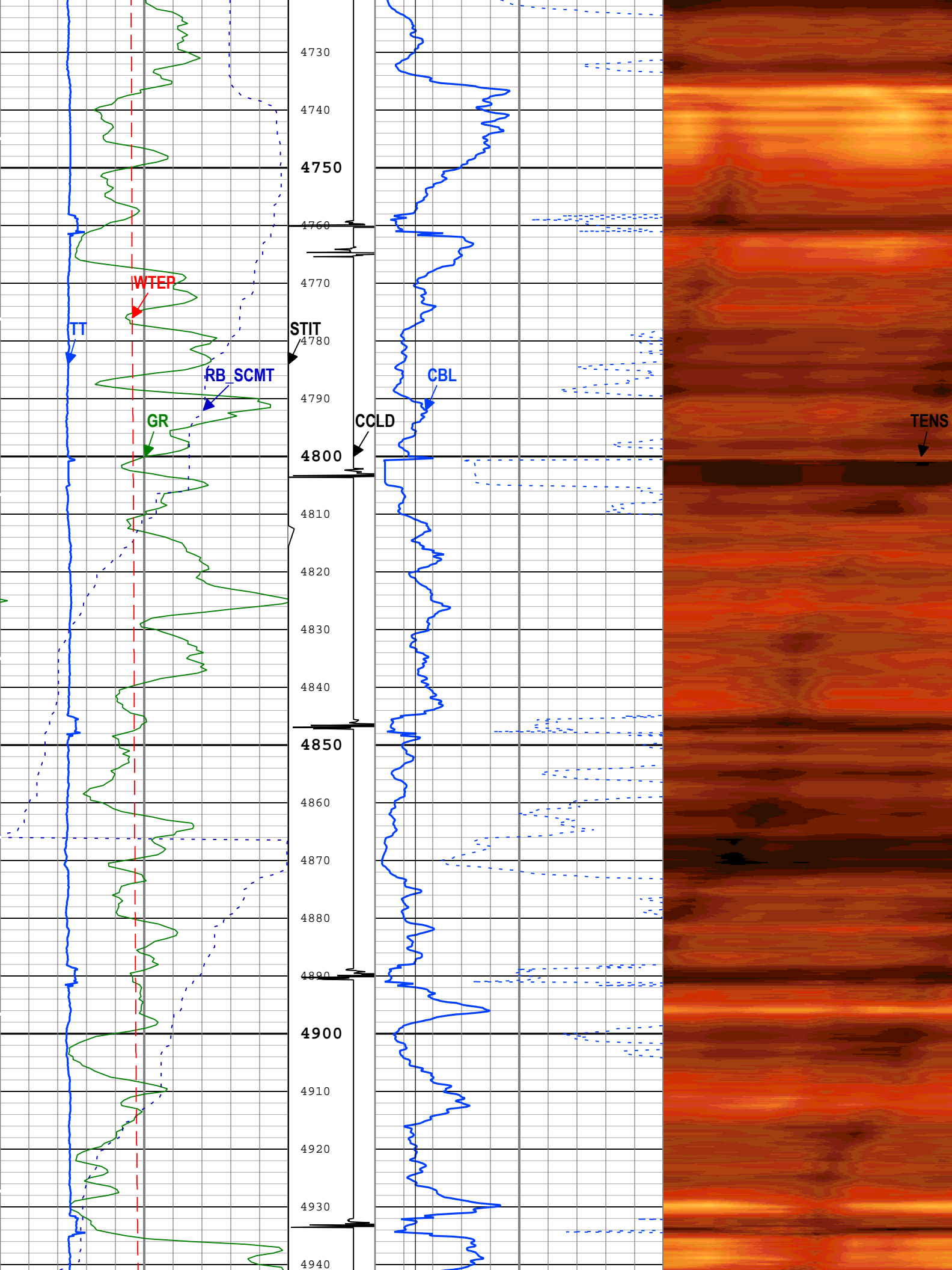


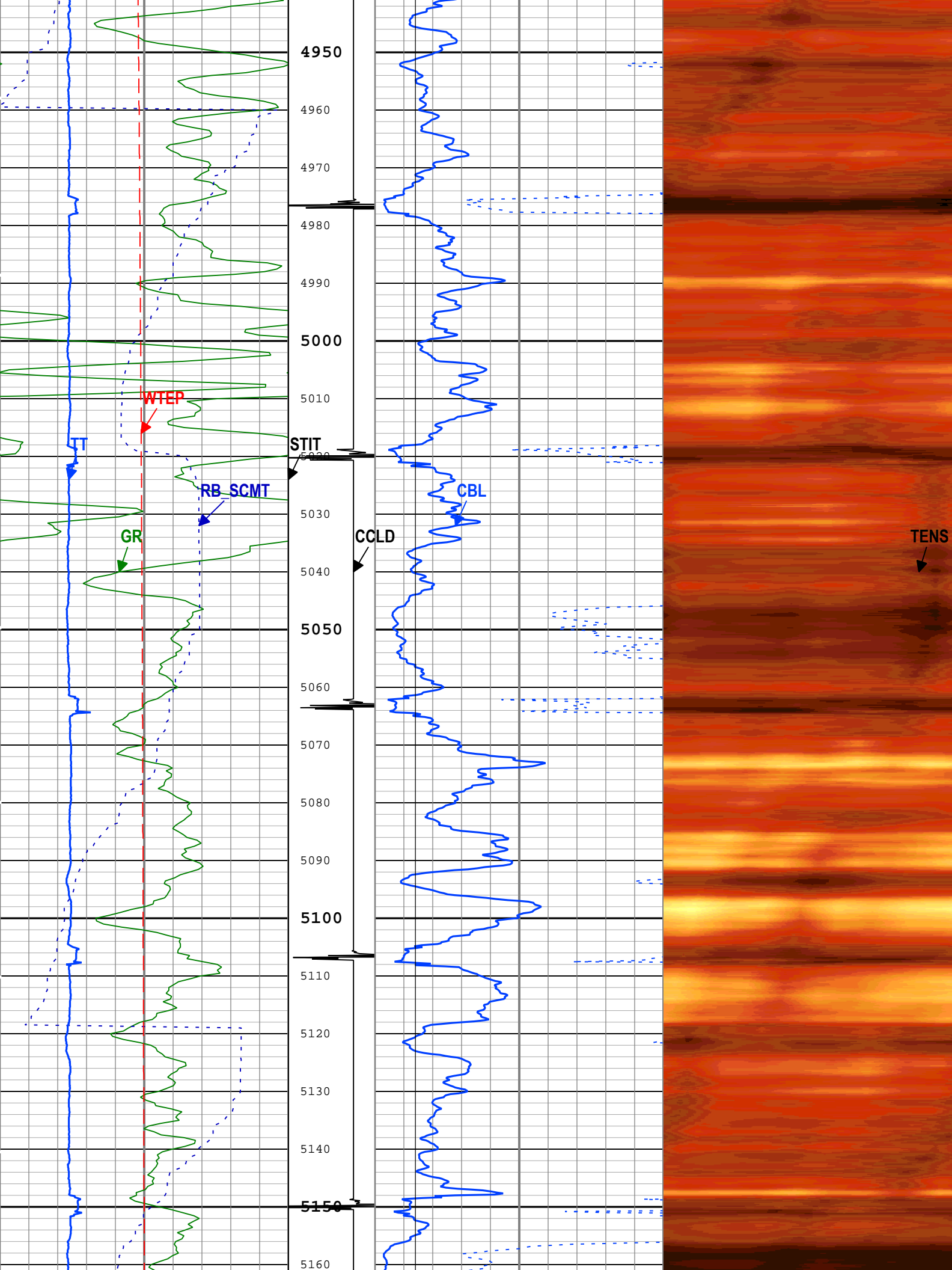


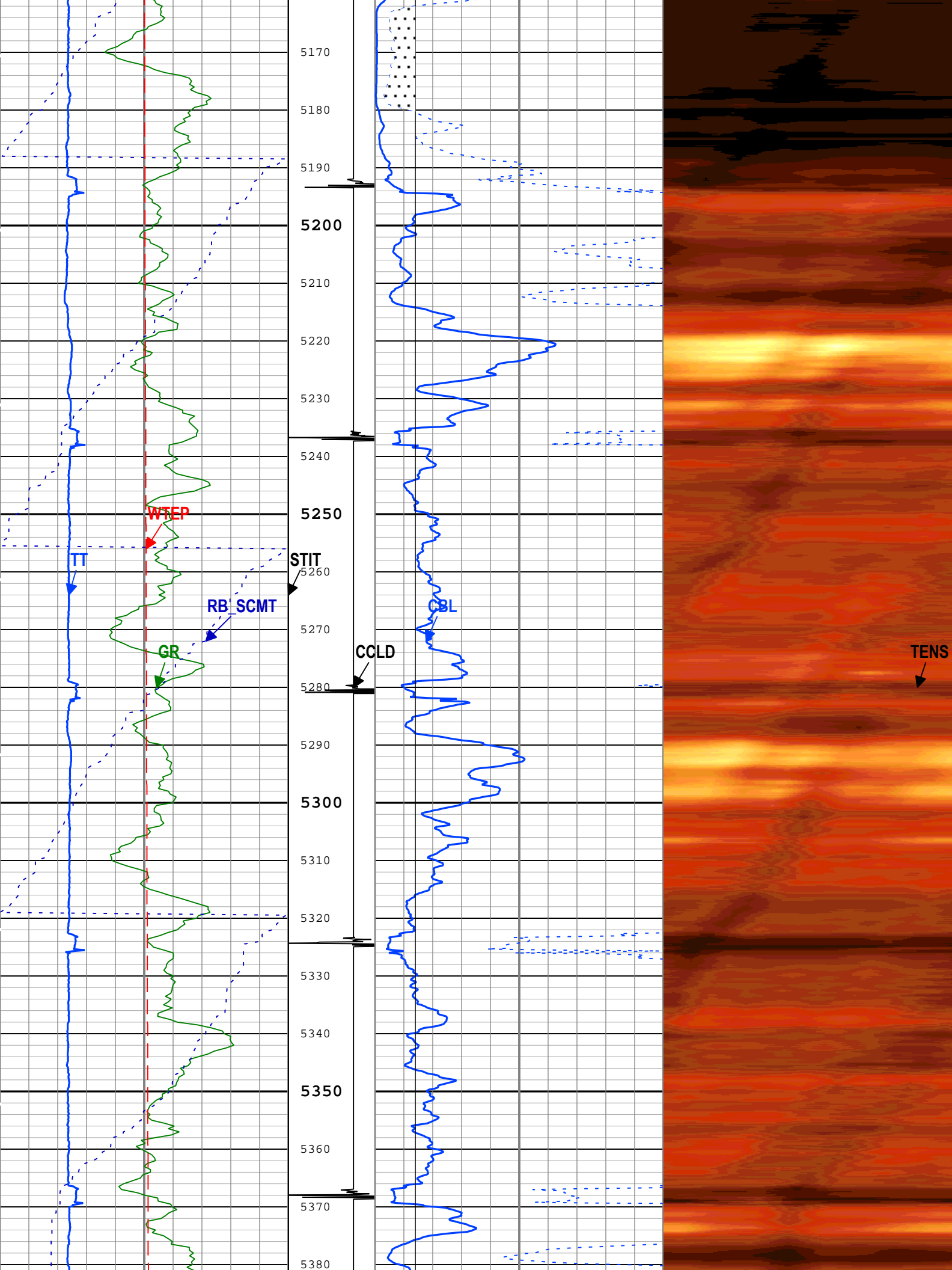


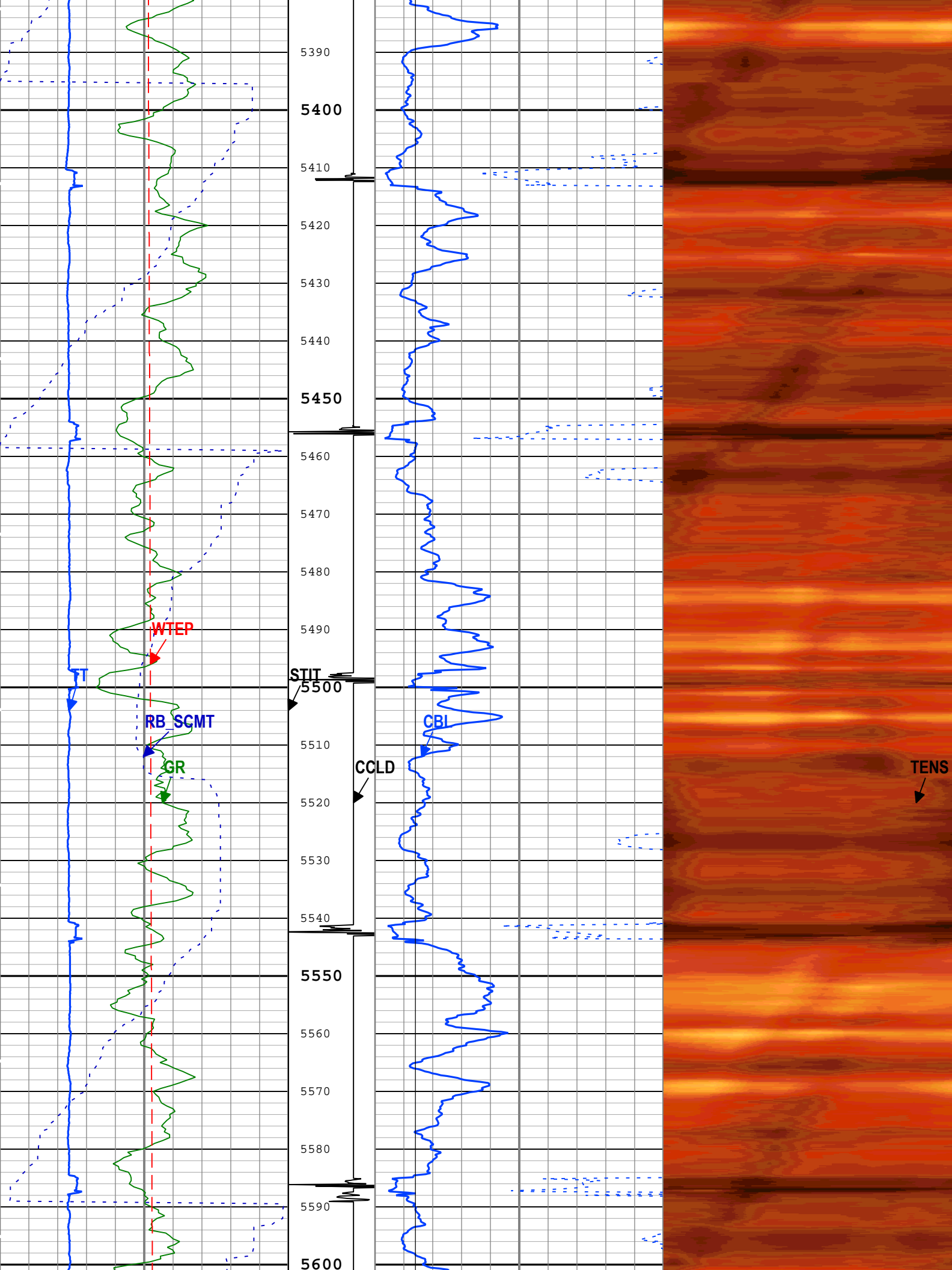


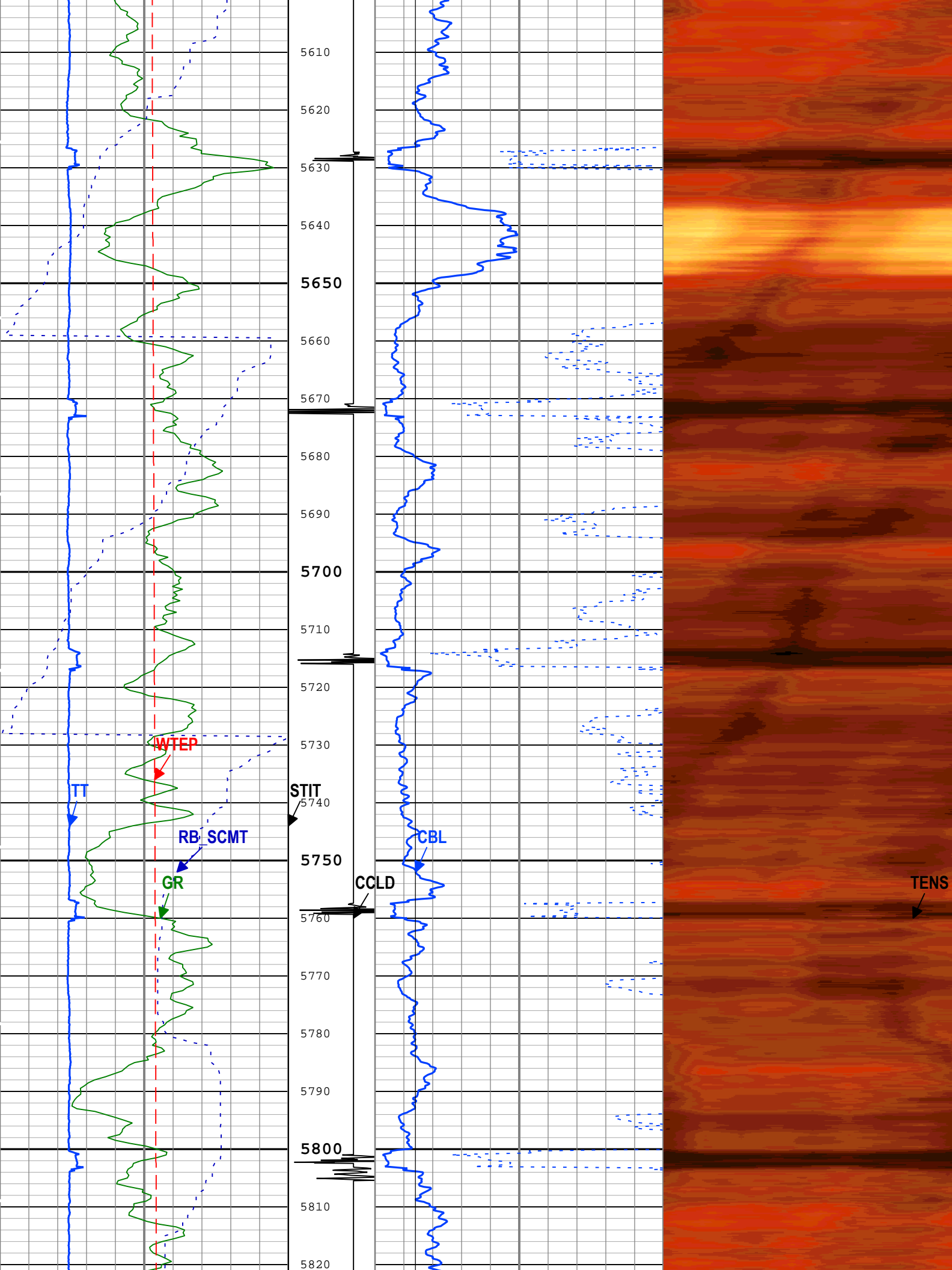
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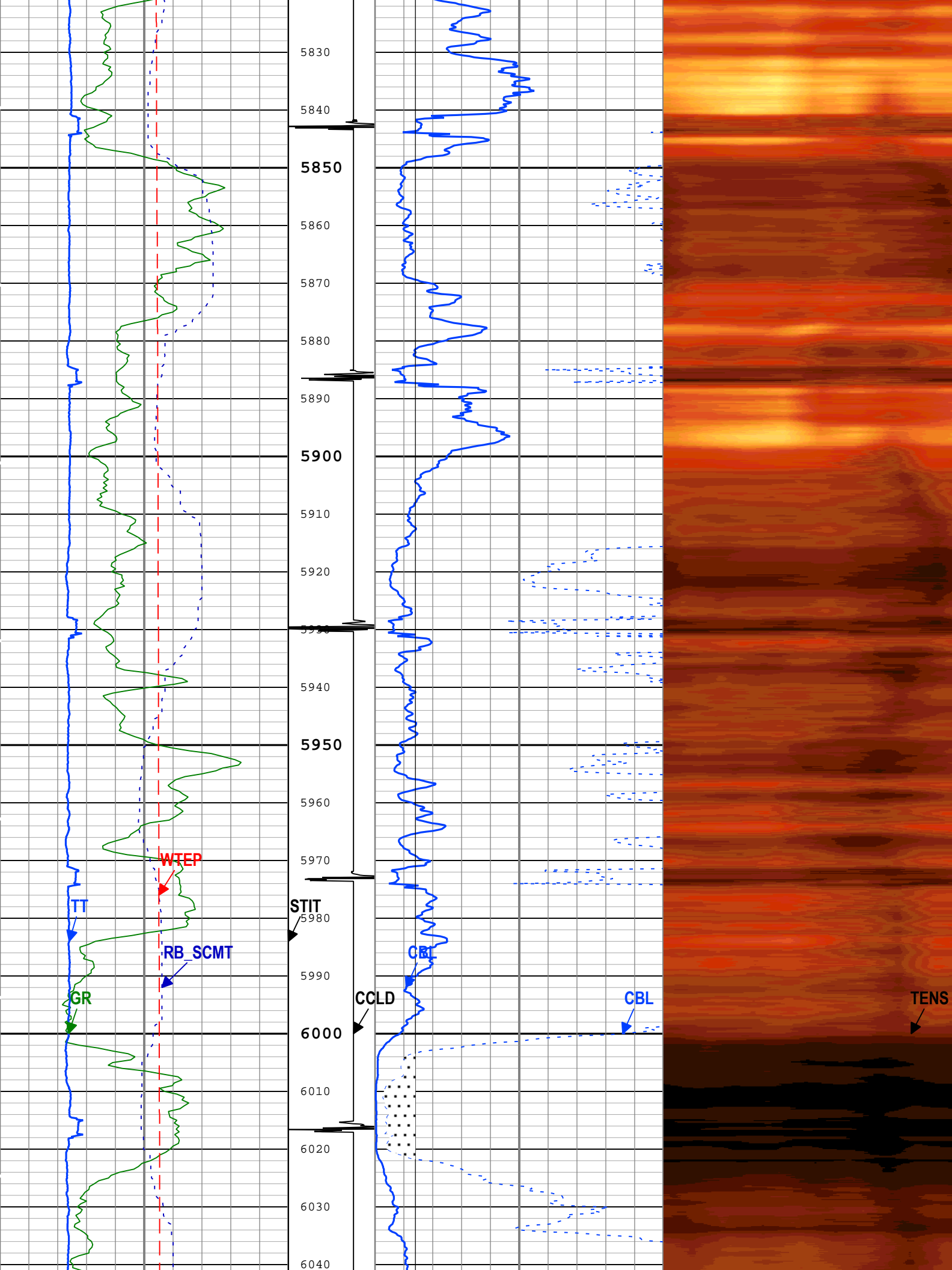


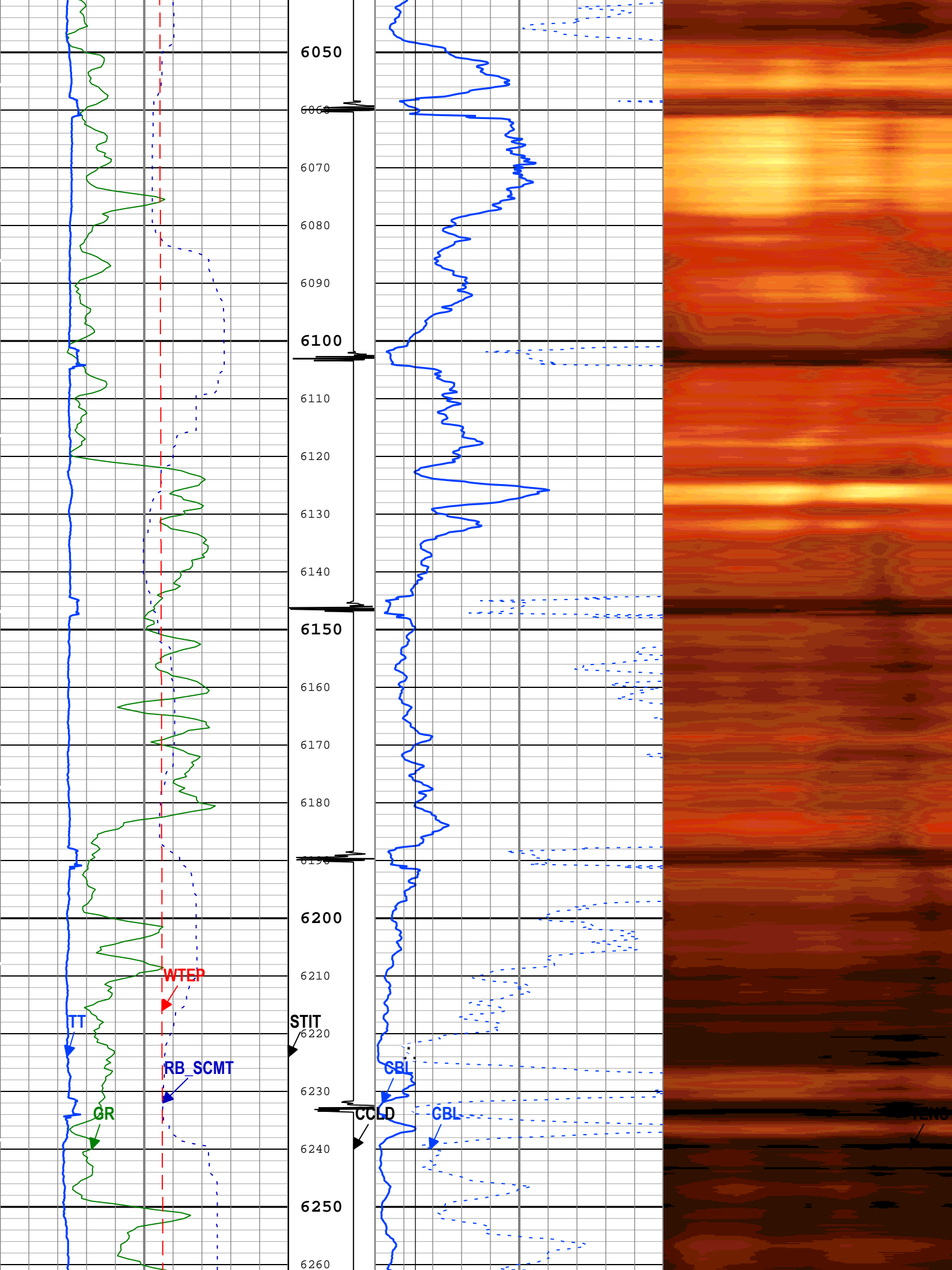


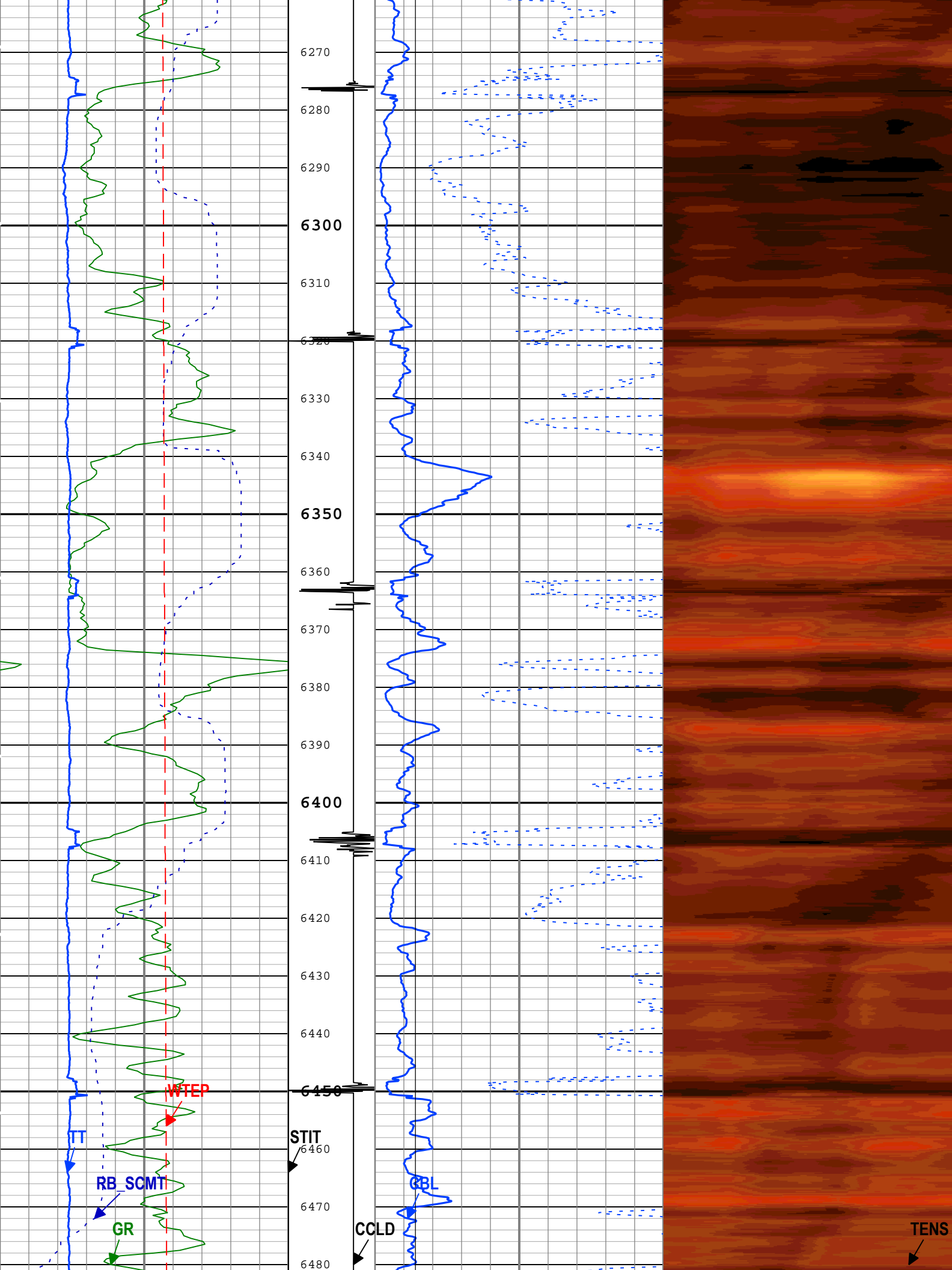


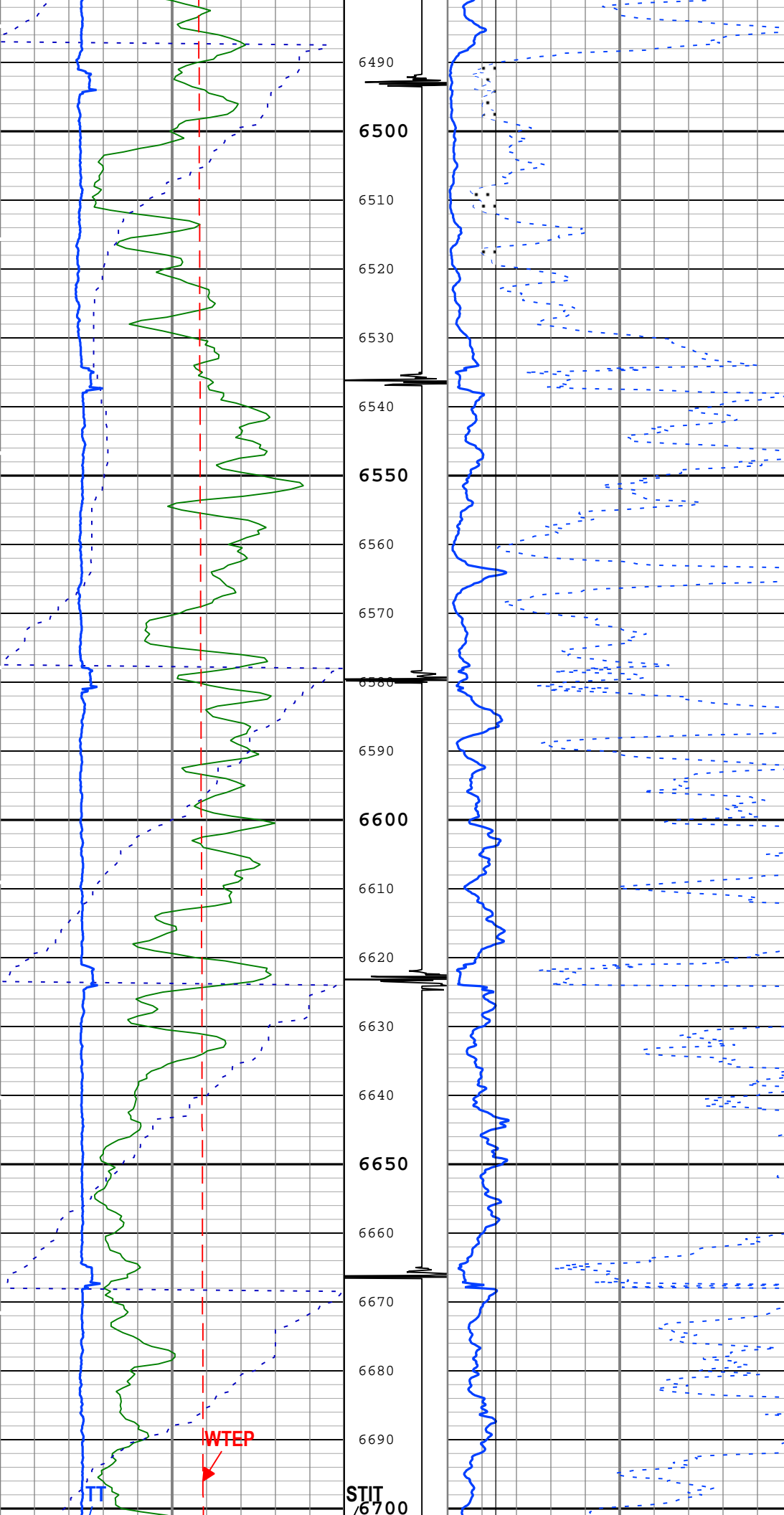


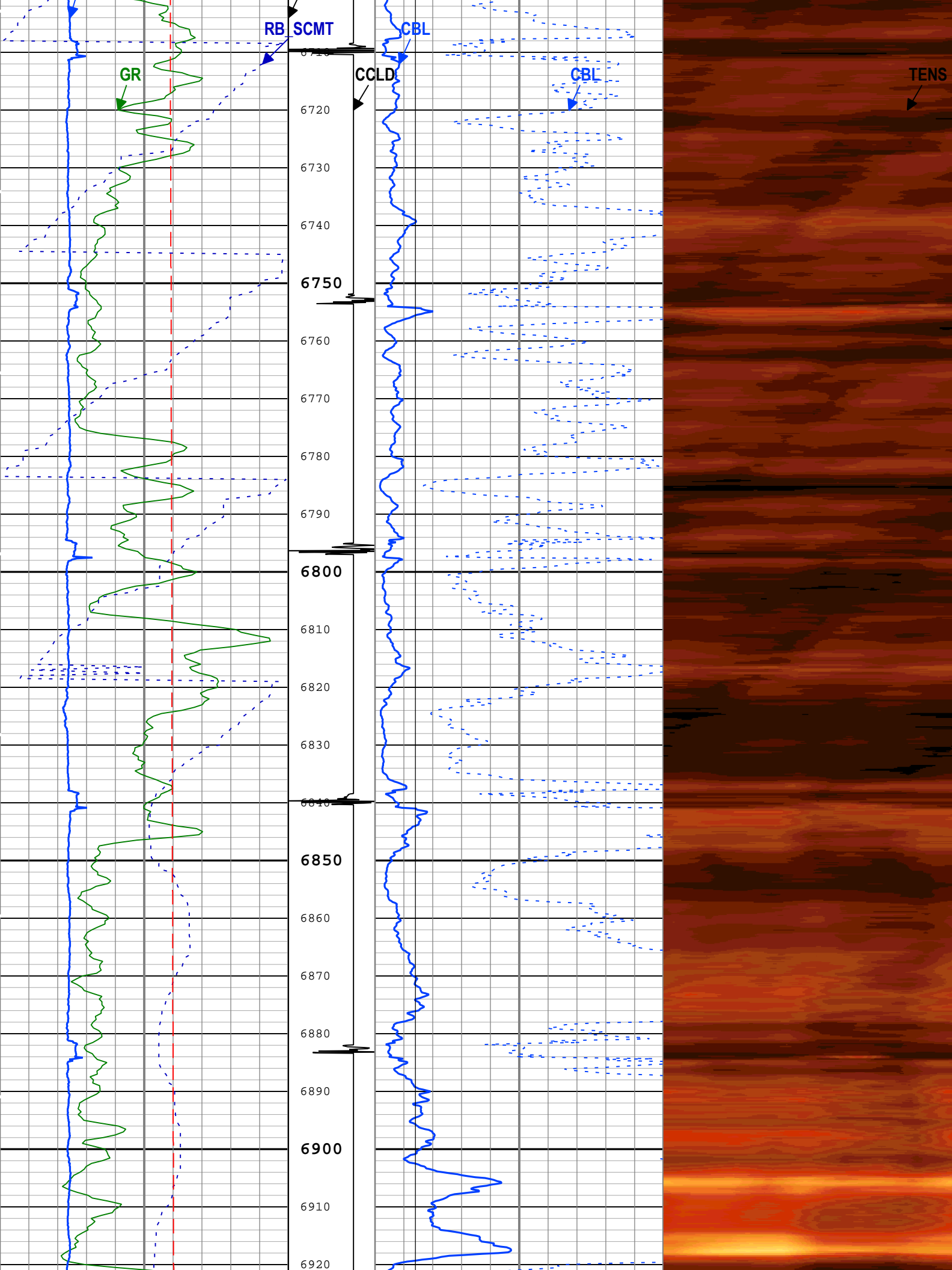


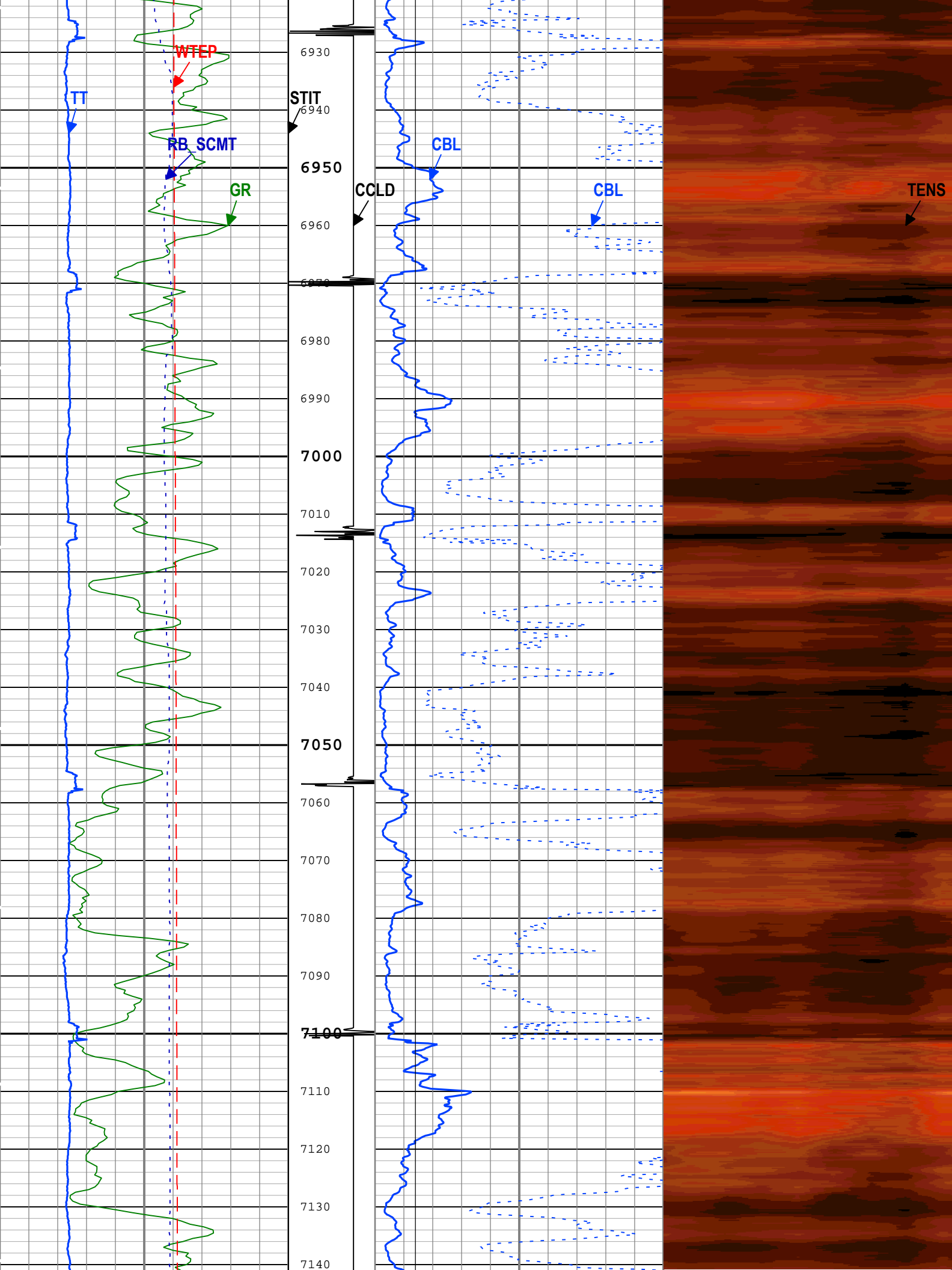


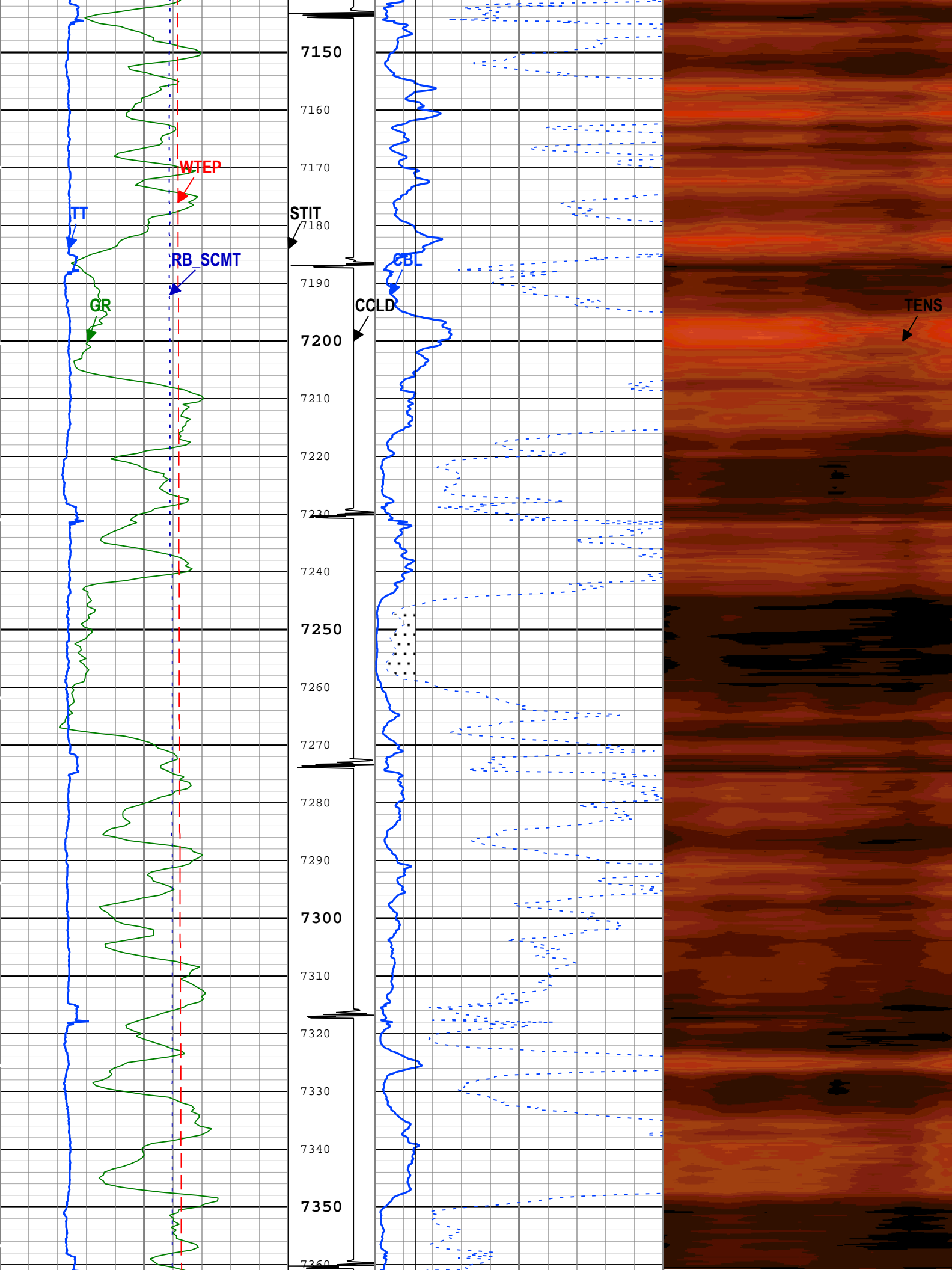


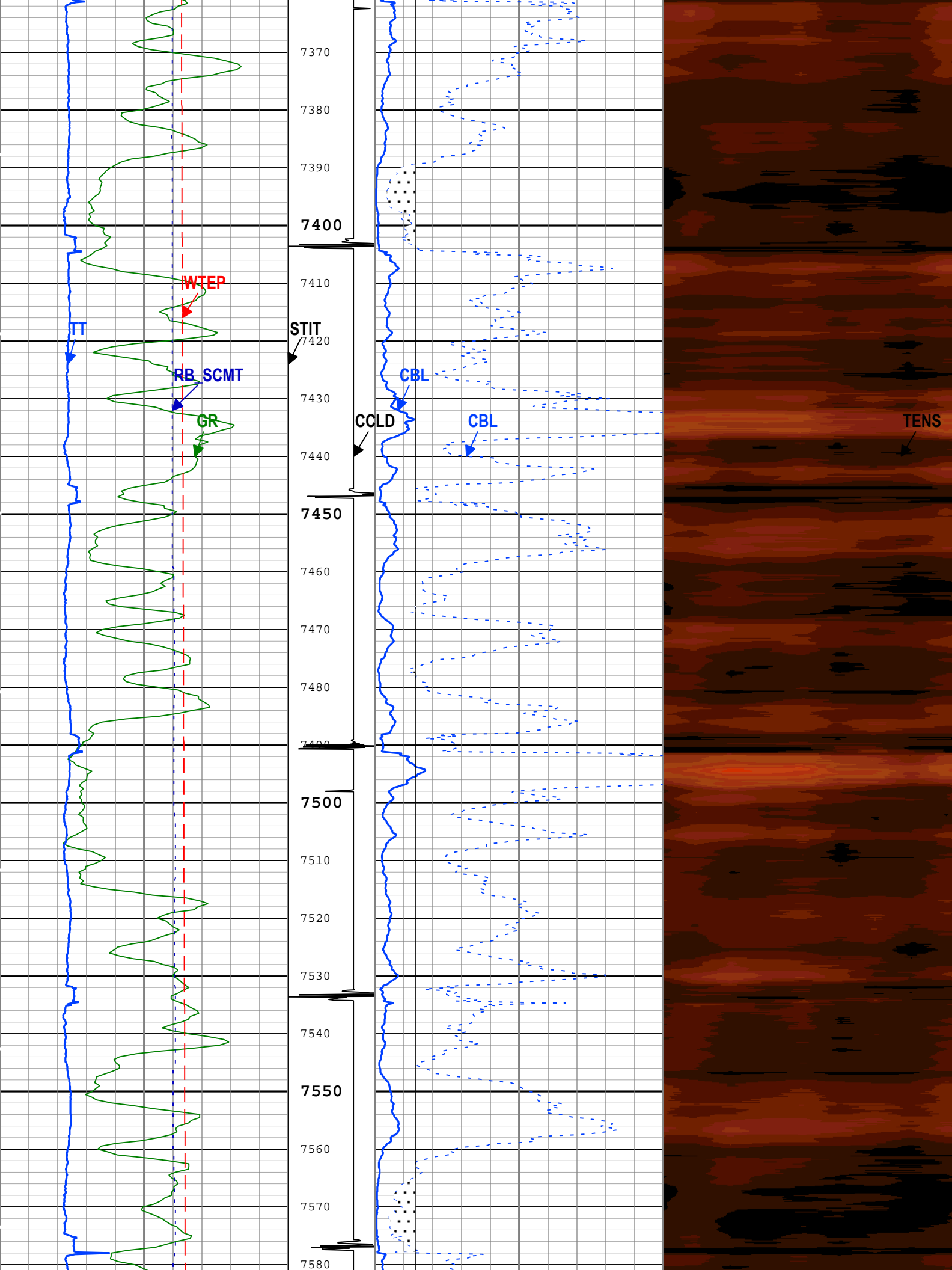


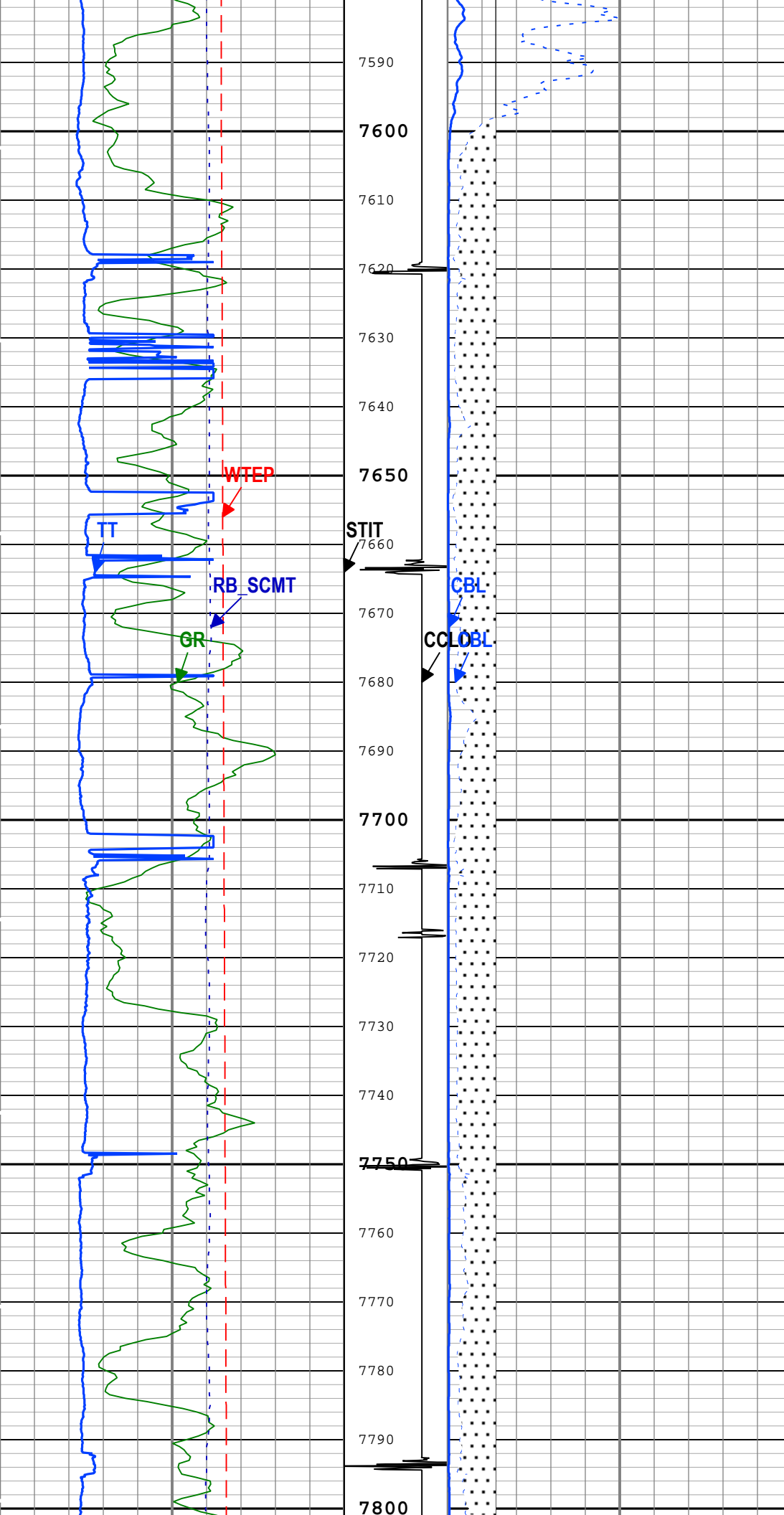


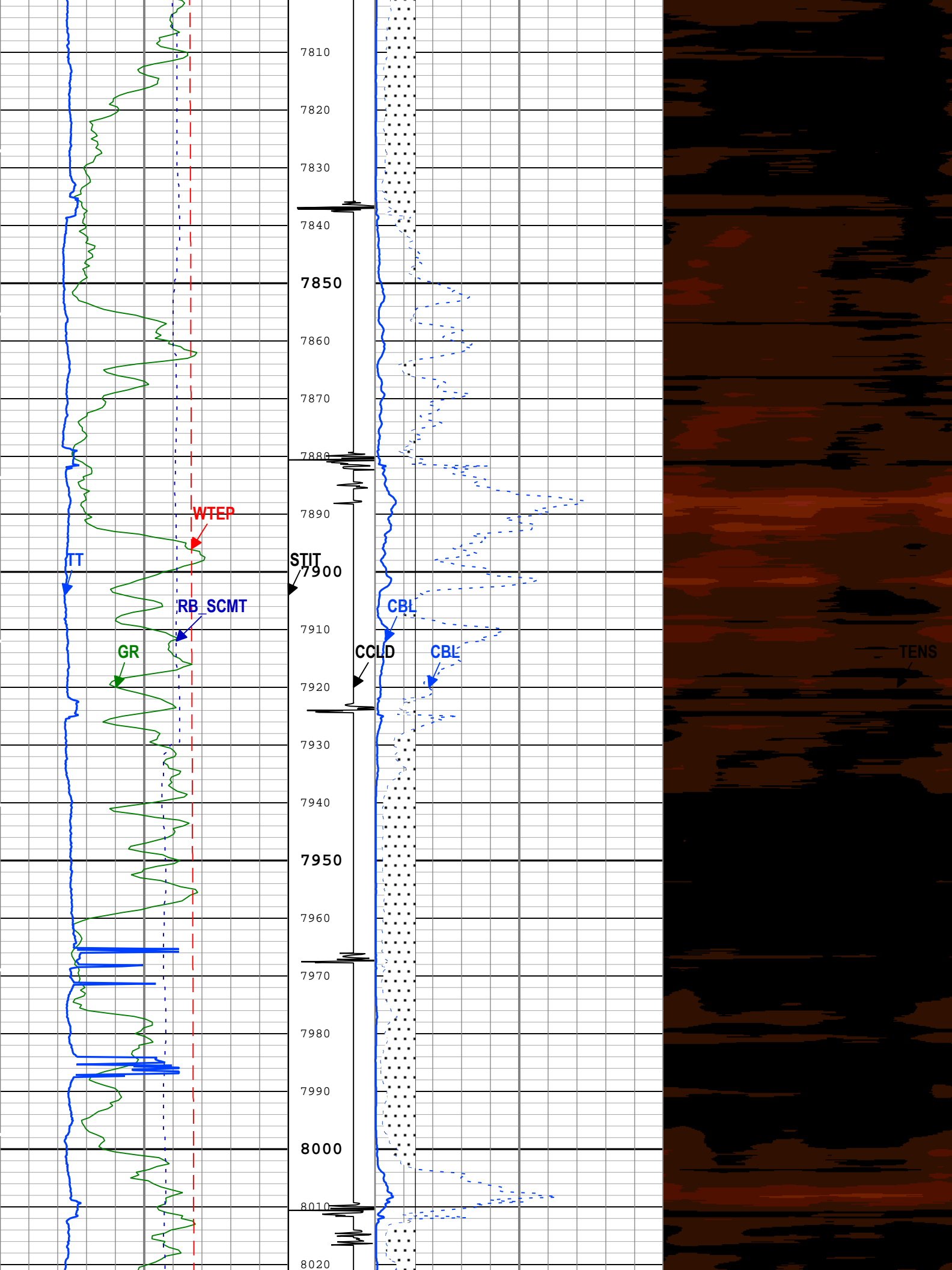


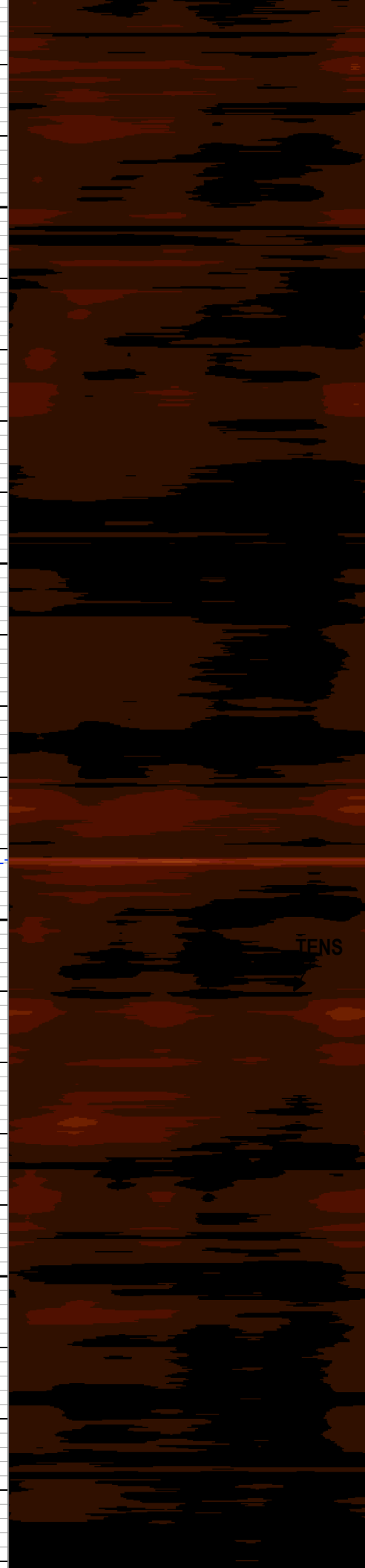
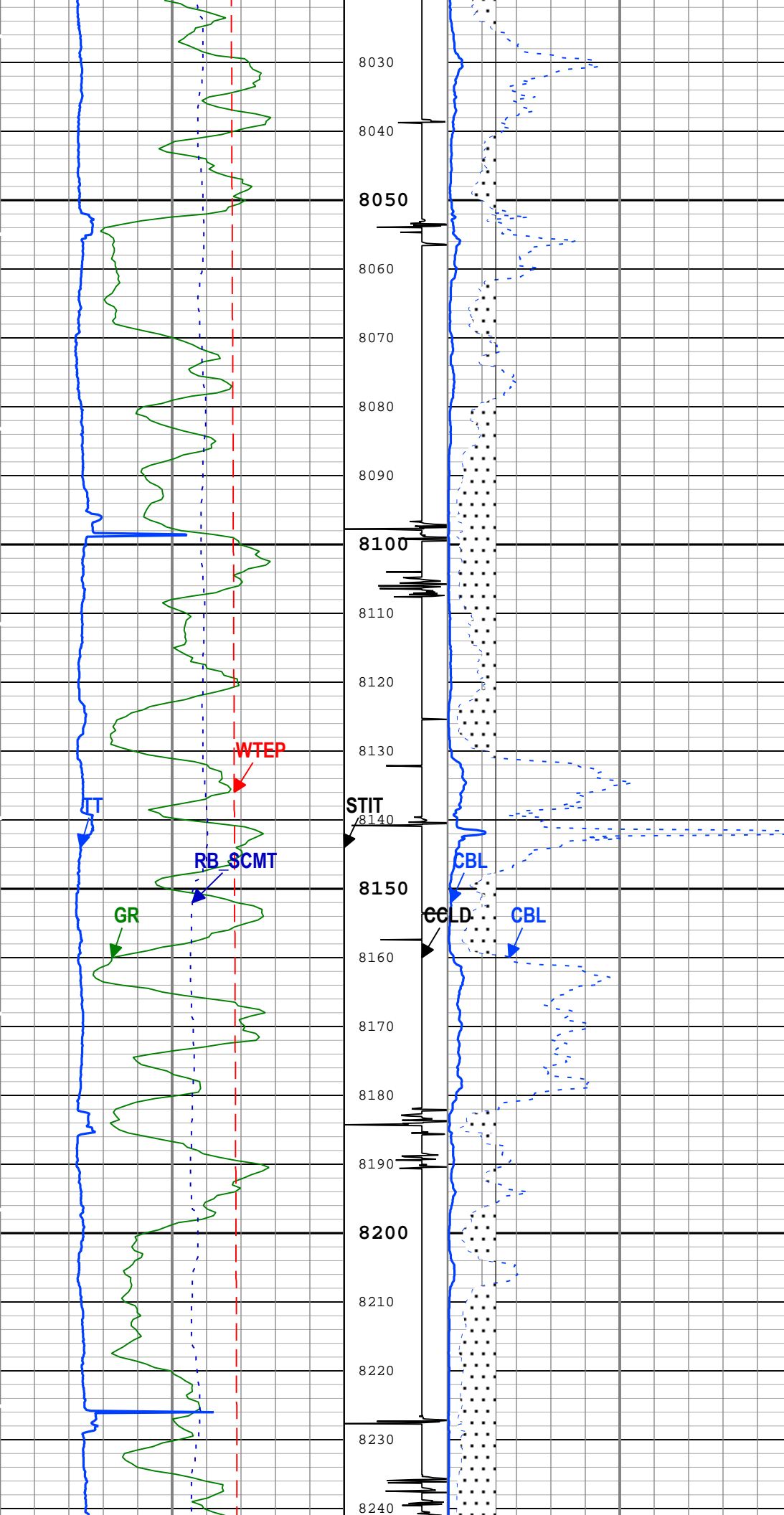


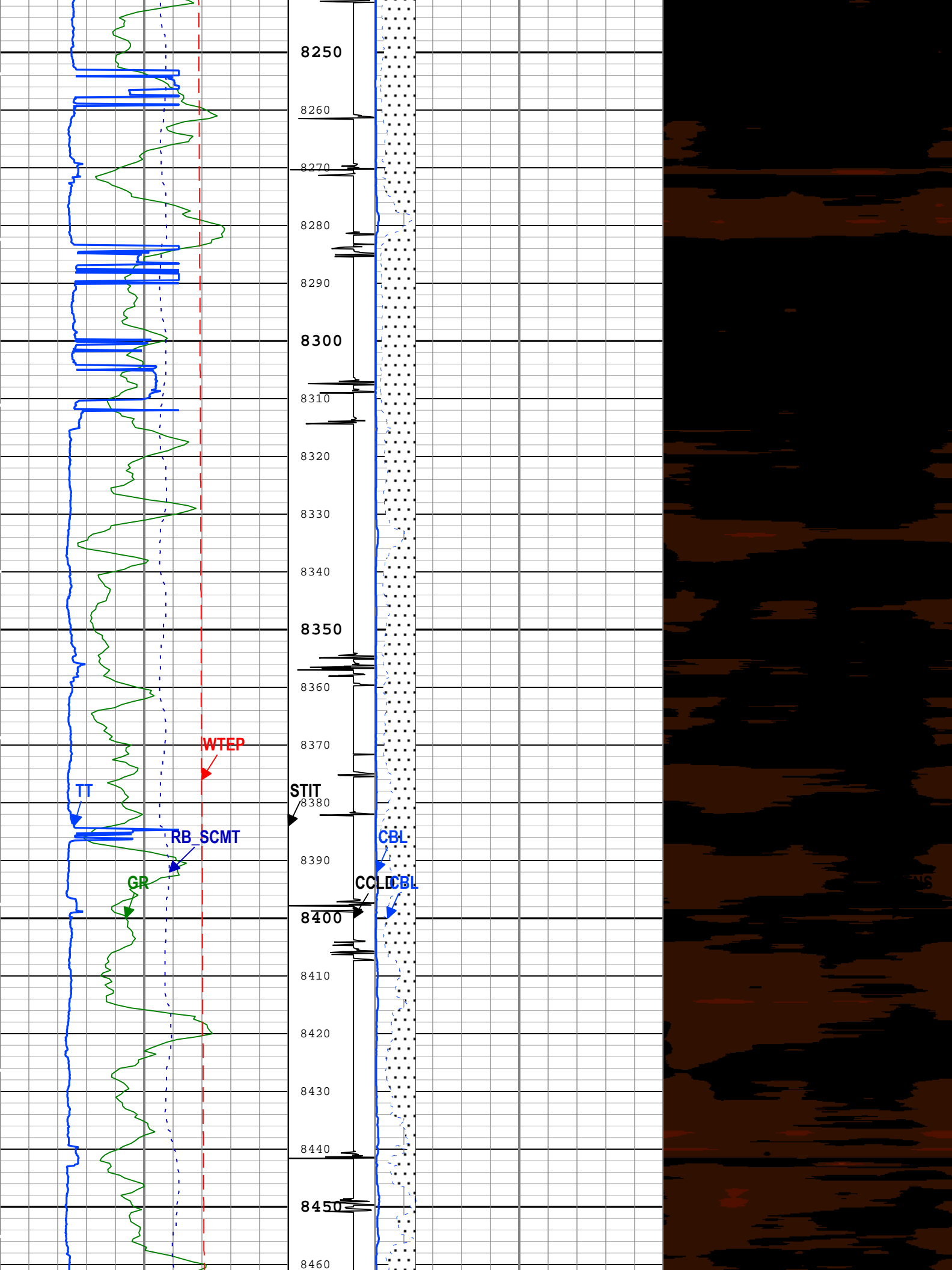


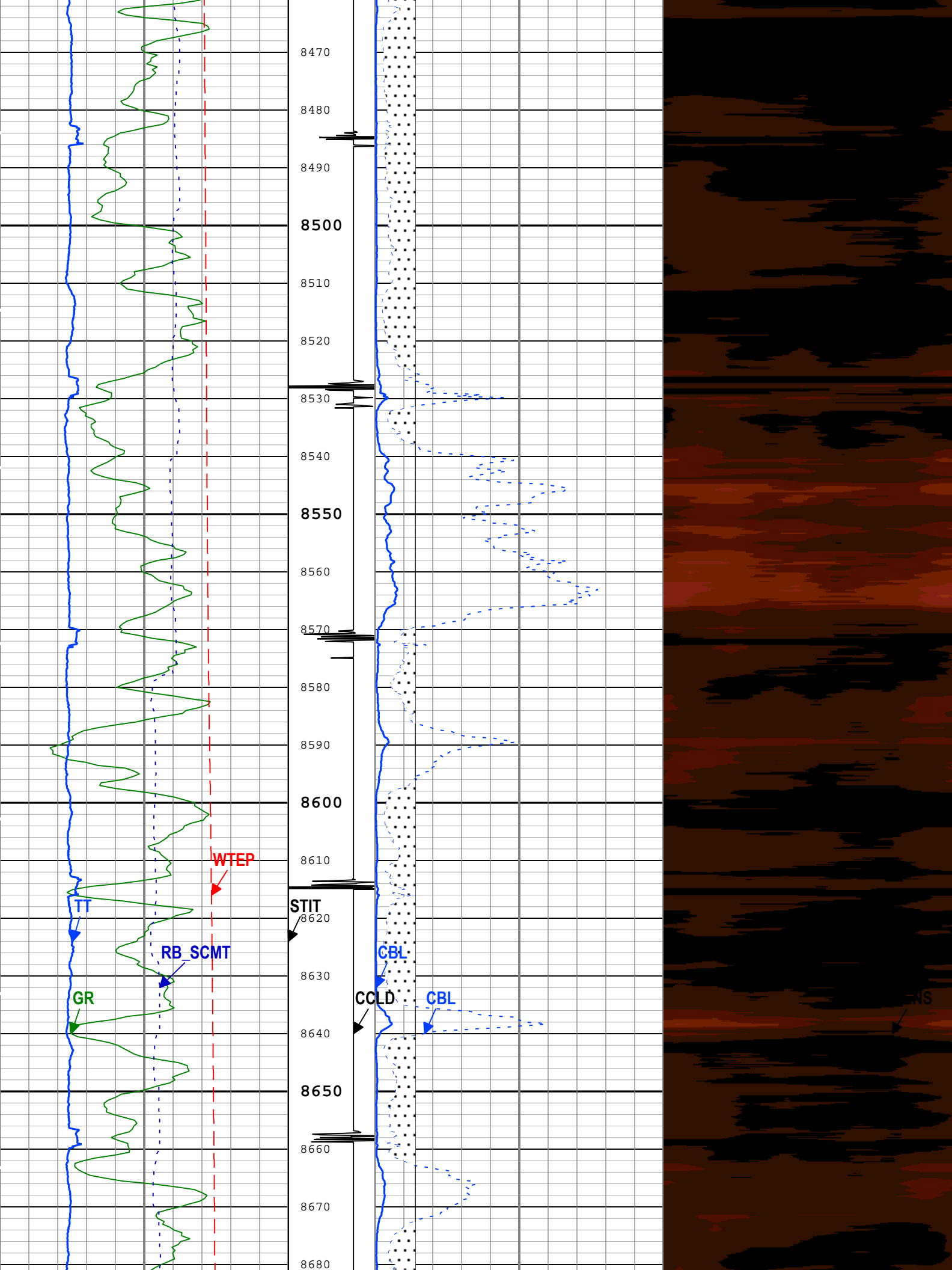


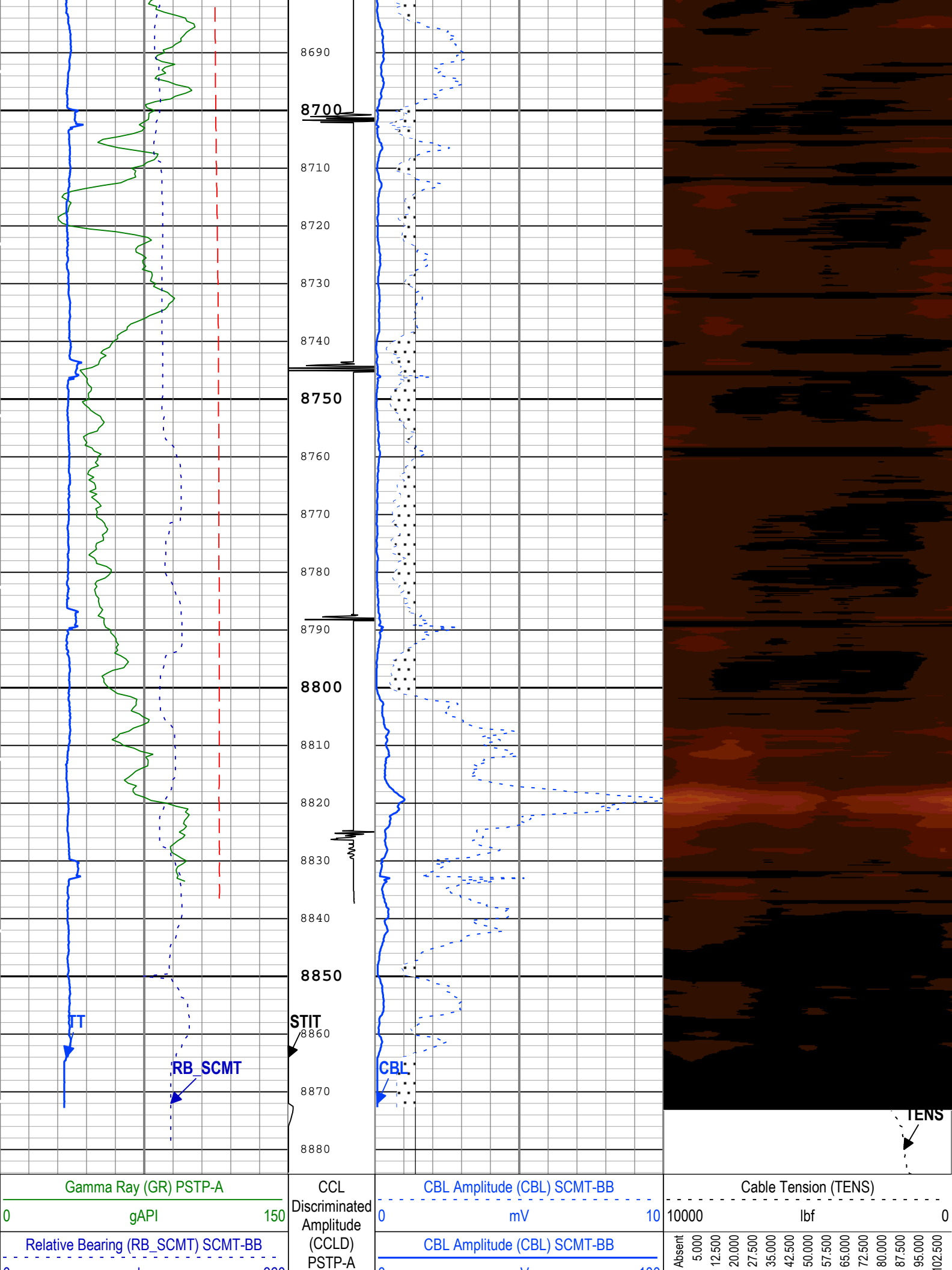


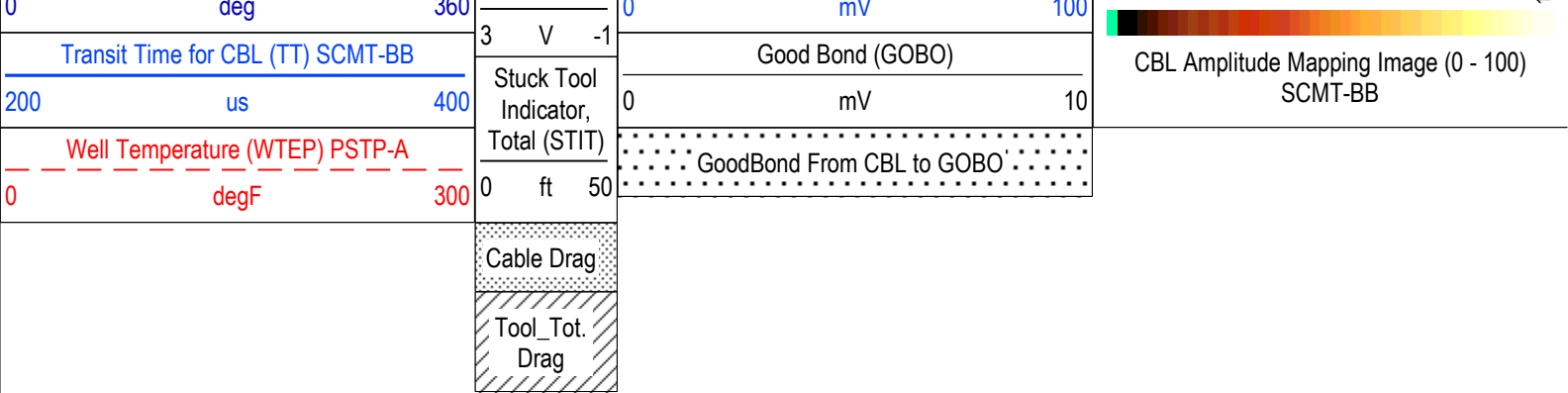












TIME_1900 - Time Marked every 60.00 (s)

Description: SCMT Amplitudes and MAP Image Format: Log (SCMT_Amp_Image_1) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured
Depth Creation Date: 05-Aug-2015 18:32:39

Channel Processing Parameters				
ONE: Parameters				
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	228	degF
CB3D	SCMT CBL 3 ft Peak Detection Mode	SCMT-BB	Peak	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-BB	224	us
CB3T	SCMT CBL 3 ft Fixed Threshold Level	SCMT-BB	20	mV
CBLG	CBL Gate Width	SCMT-BB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-BB	80	mV
CMCF	CBL Cement Type Compensation Factor	SCMT-BB	0.12	
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	196	us/ft
EDF	Elevation of Derrick Floor Above Permanent Datum	WLSESSION	30	ft
EPD	Elevation of Permanent Datum (PDAT) above Mean Sea Level	WLSESSION	8479	ft
ETEM	HP Estimated Temperature	PSTP-A	212	degF
FCF	CBL Fluid Compensation Factor	SCMT-BB	0.89	
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST	
MAPD	SCMT MAP Peak Detection Mode	SCMT-BB	Peak	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	SCMT-BB	167	us
MAPT	SCMT MAP Fixed Threshold Level	SCMT-BB	30	mV
MCCF	MAP Cement Type Compensation Factor	SCMT-BB	0.25	
MMSA	MAP Minimum Sonic Amplitude	SCMT-BB	3.98	mV
MSA	Minimum Sonic Amplitude	SCMT-BB	0.51	mV
PTCO	PBMS Pressure Temperature Correction Option	PSTP-A	Gauge Temperature	
PDAT	Permanent Datum	WLSESSION	GL	
RBC	Relative Bearing Correction Allow/Disallow	SCMT-BB	Allow	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
SHT	Surface Hole Temperature	Borehole	68	degF
TD	Total Measured Depth	Borehole	8874	ft
Tool Control Parameters				
ONE: Parameters				
Parameter	Description	Tool	Value	Unit

CMTM	SCMT Operating Mode	SCMT-BB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	36 dB	

ONE

Repeat Pass 0 PSI

Software Version

Acquisition System	Version
Maxwell 2016	6.0.47569.3100

Pass Summary

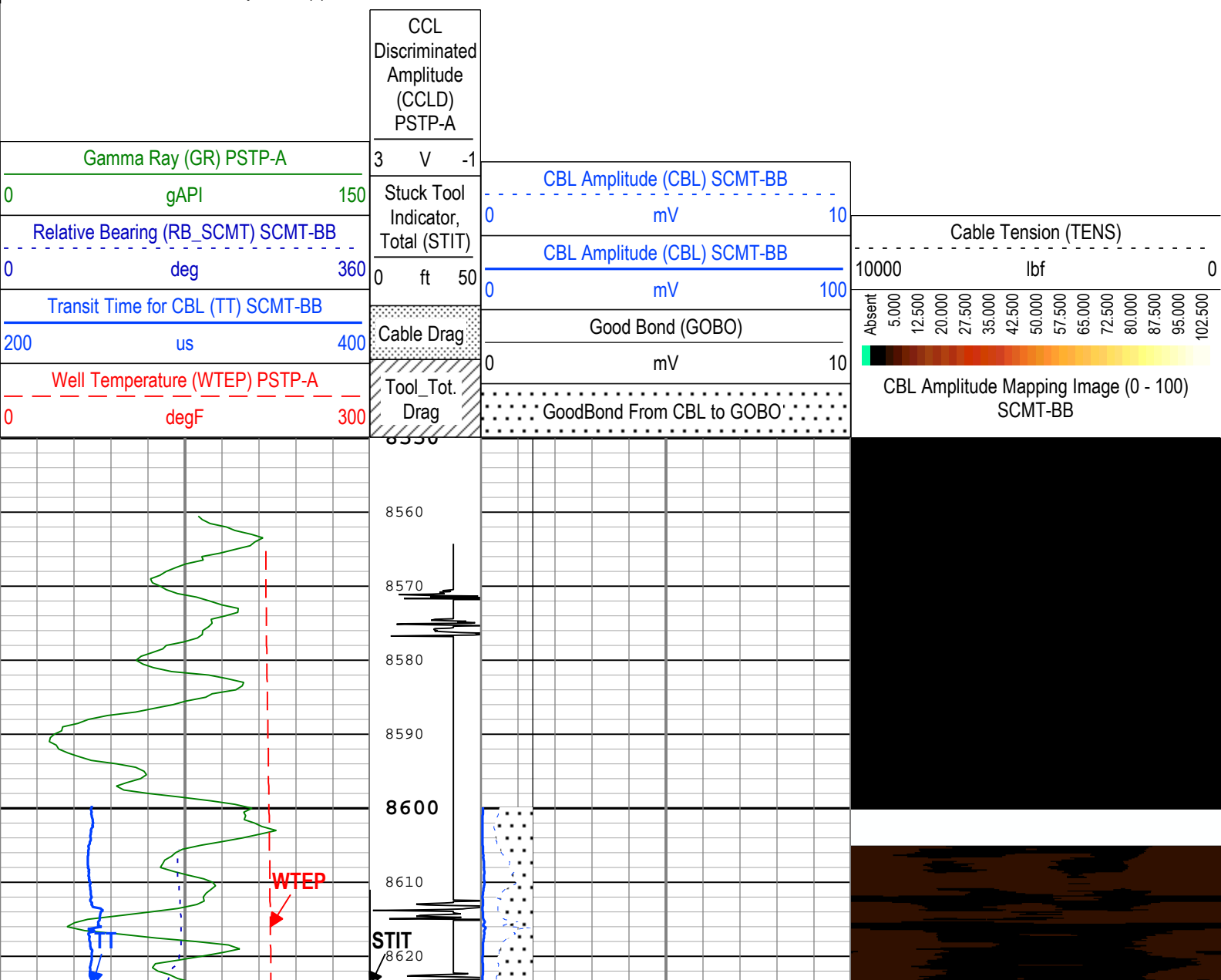
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ONE	Log[2]:Up	Up	8610.97 ft	8881.32 ft	24-Jul-2015 8:21:38 AM	24-Jul-2015 8:30:46 AM	ON	2.86 ft	Yes

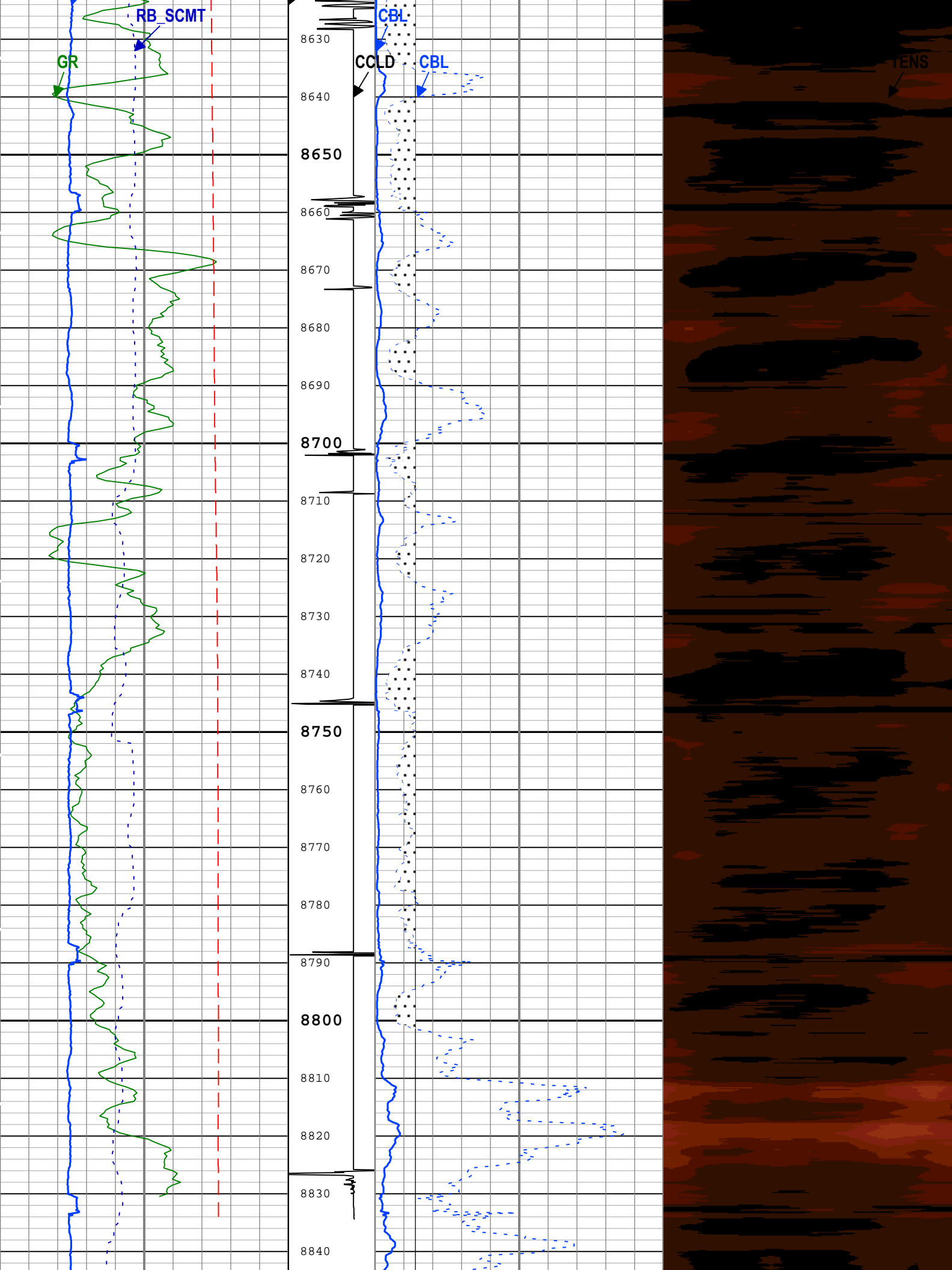
All depths are referenced to toolstring zero

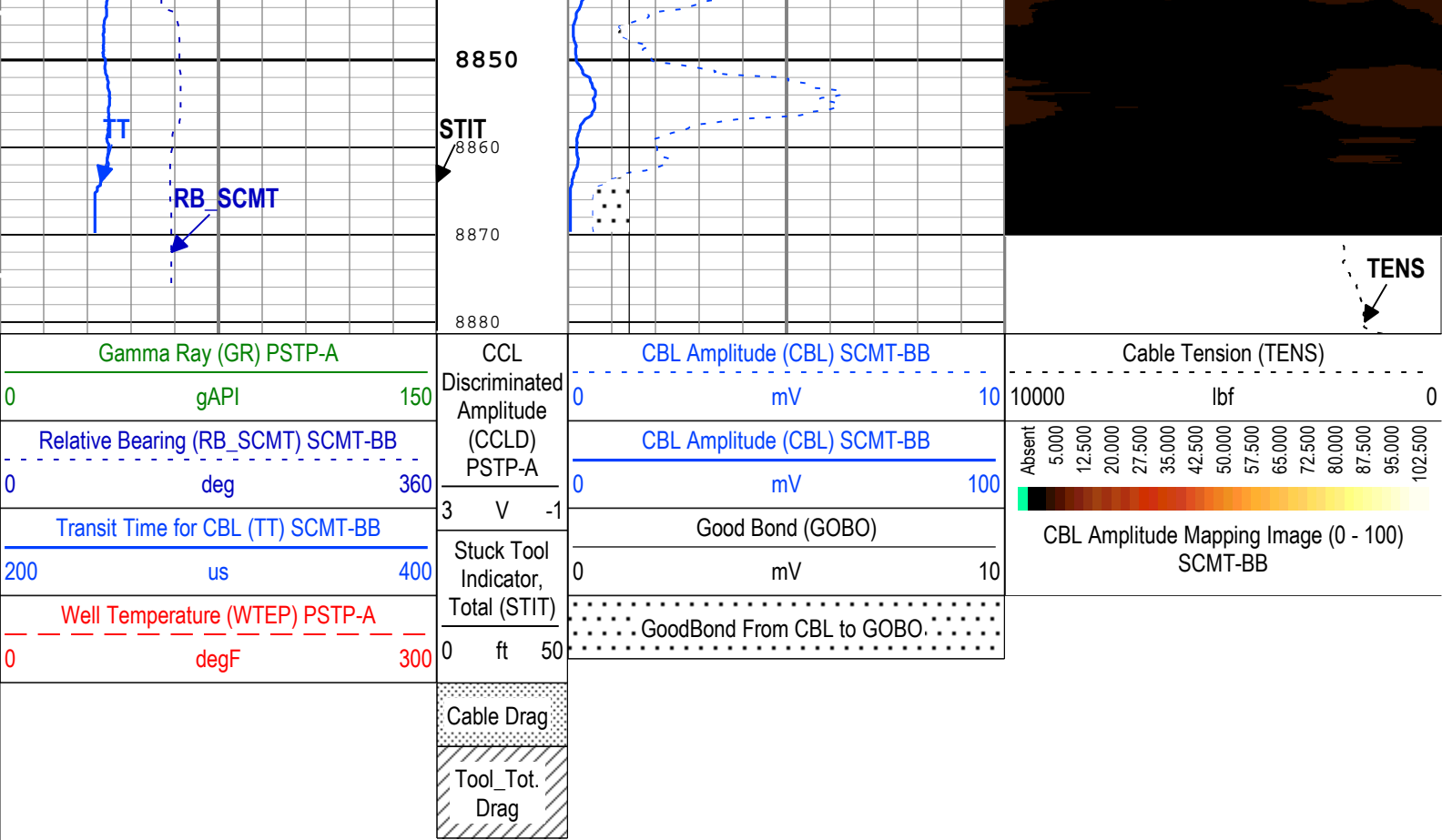
Log	Company:Caerus Piceance LLC Well:Puckett 42B-2 ONE: Log[2]:Up:S014
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Description: SCMT Amplitudes and MAP Image Format: Log (SCMT_Amp_Image_1) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured
Depth Creation Date: 05-Aug-2015 18:32:47

TIME_1900 - Time Marked every 60.00 (s)







TIME_1900 - Time Marked every 60.00 (s)

Description: SCMT Amplitudes and MAP Image Format: Log (SCMT_Amp_Image_1) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured
Depth Creation Date: 05-Aug-2015 18:32:47

Channel Processing Parameters				
ONE: Parameters				
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	228	degF
CB3D	SCMT CBL 3 ft Peak Detection Mode	SCMT-BB	Peak	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-BB	224	us
CB3T	SCMT CBL 3 ft Fixed Threshold Level	SCMT-BB	20	mV
CBLG	CBL Gate Width	SCMT-BB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-BB	80	mV
CMCF	CBL Cement Type Compensation Factor	SCMT-BB	0.12	
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	196	us/ft
EDF	Elevation of Derrick Floor Above Permanent Datum	WLSESSION	30	ft
EPD	Elevation of Permanent Datum (PDAT) above Mean Sea Level	WLSESSION	8479	ft
ETEM	HP Estimated Temperature	PSTP-A	212	degF
FCF	CBL Fluid Compensation Factor	SCMT-BB	0.89	
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST	
MAPD	SCMT MAP Peak Detection Mode	SCMT-BB	Peak	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	SCMT-BB	167	us
MAPT	SCMT MAP Fixed Threshold Level	SCMT-BB	30	mV

MCCF	MAP Cement Type Compensation Factor	SCMT-BB	0.25	
MMSA	MAP Minimum Sonic Amplitude	SCMT-BB	3.98	mV
MSA	Minimum Sonic Amplitude	SCMT-BB	0.51	mV
PTCO	PBMS Pressure Temperature Correction Option	PSTP-A	Gauge Temperature	
PDAT	Permanent Datum	WLSESSION	GL	
RBC	Relative Bearing Correction Allow/Disallow	SCMT-BB	Allow	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
SHT	Surface Hole Temperature	Borehole	68	degF
TD	Total Measured Depth	Borehole	8874	ft

Tool Control Parameters

ONE: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-BB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	36 dB	

ONE

Main Pass 2500 PSI

Software Version

Acquisition System	Version
Maxwell 2016	6.0.47569.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[3]:Up	Up	2249.32 ft	8884.28 ft	24-Jul-2015 8:45:22 AM	24-Jul-2015 12:27:44 PM	ON	4.17 ft	Yes

All depths are referenced to toolstring zero

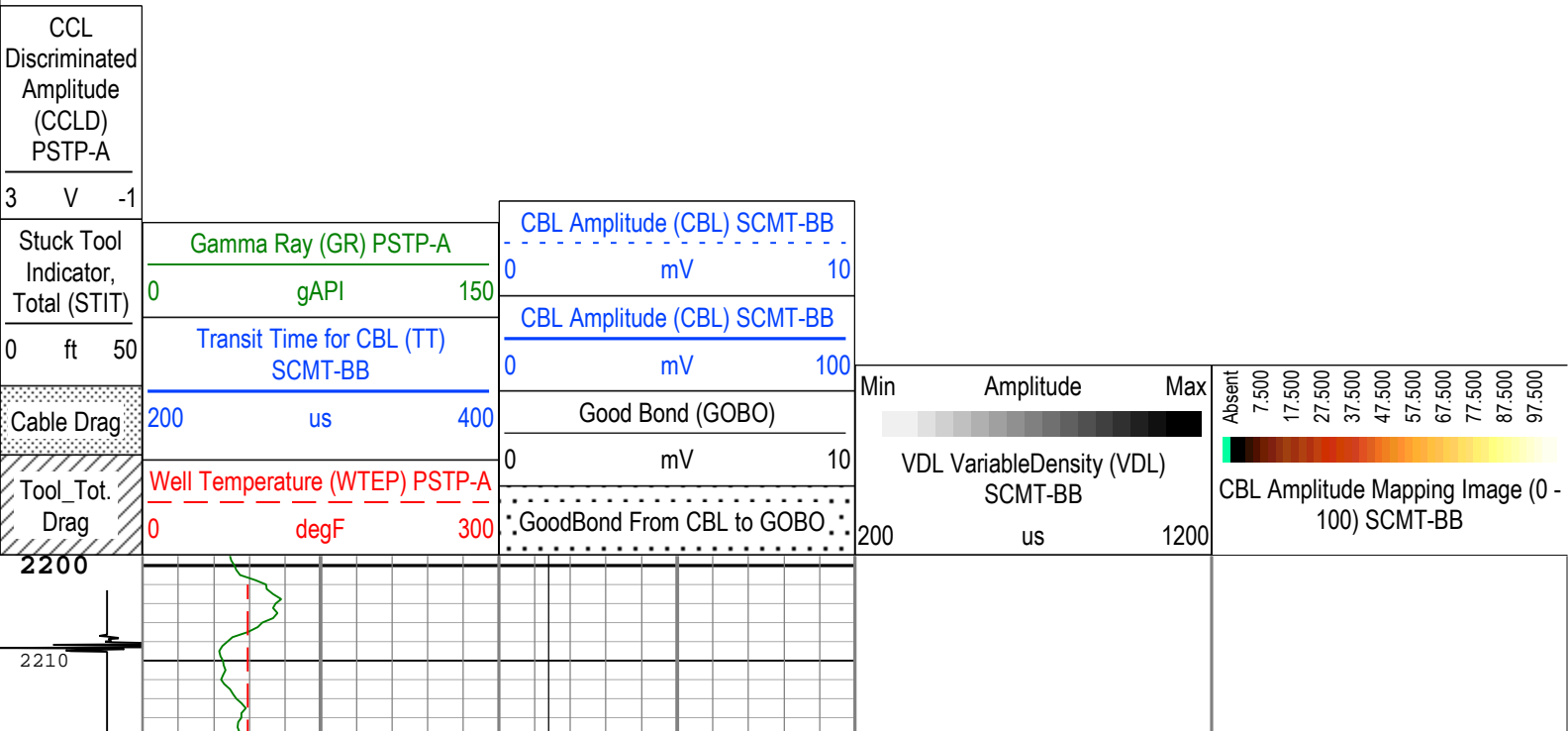
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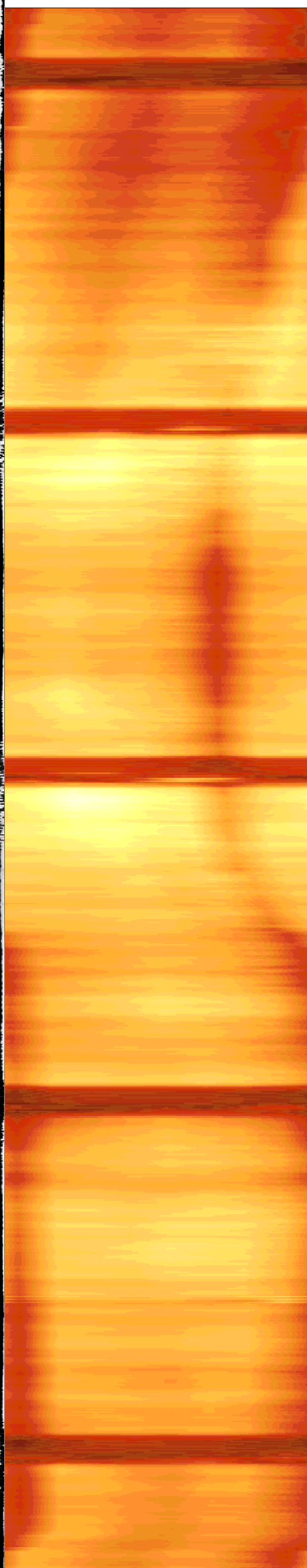
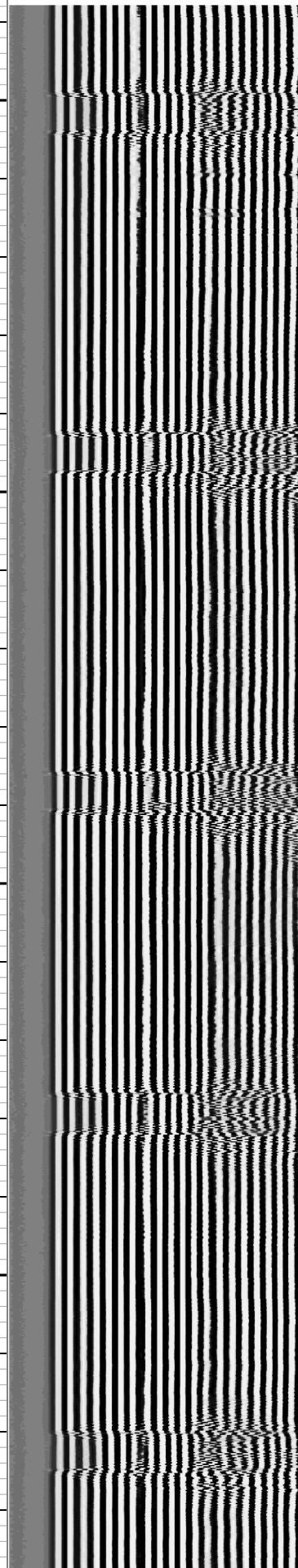
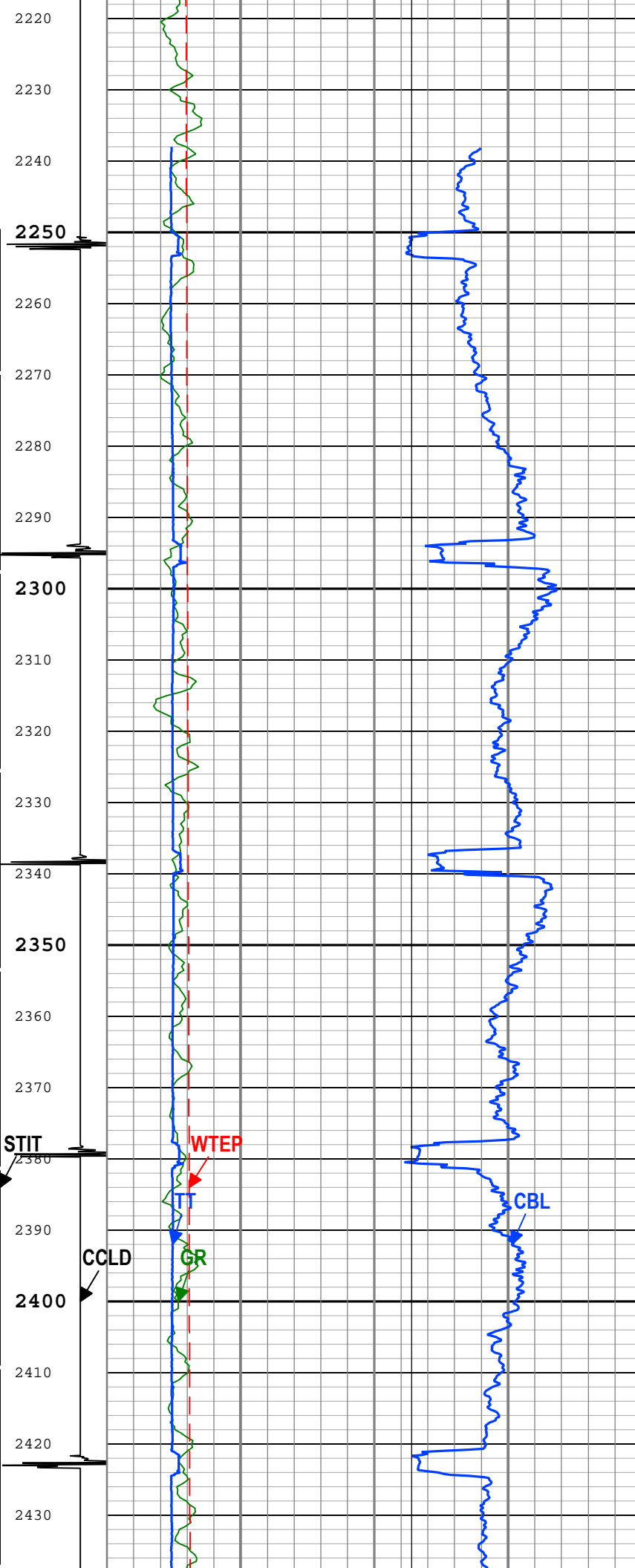
Company:Caerus Piceance LLC Well:Puckett 42B-2

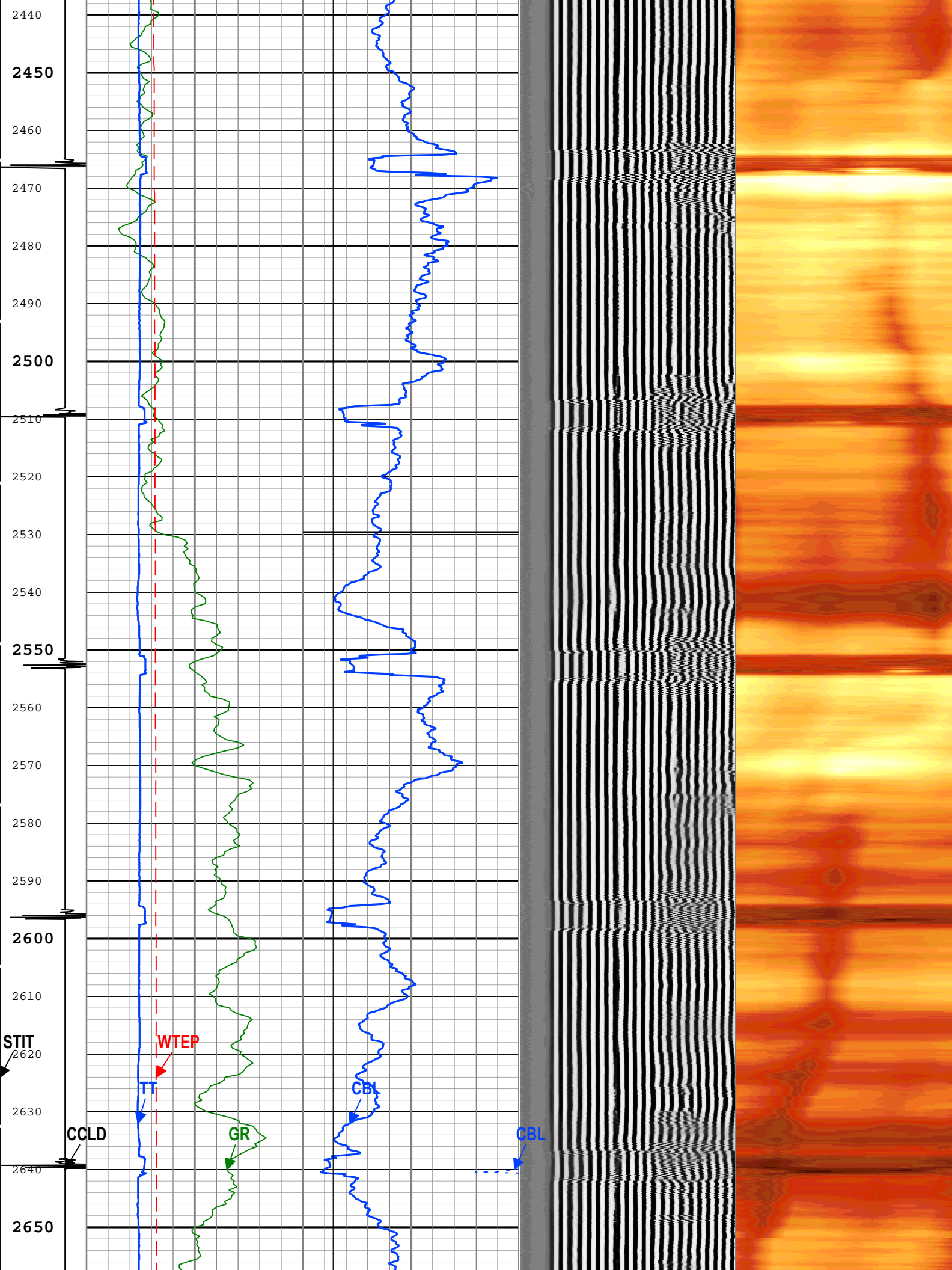
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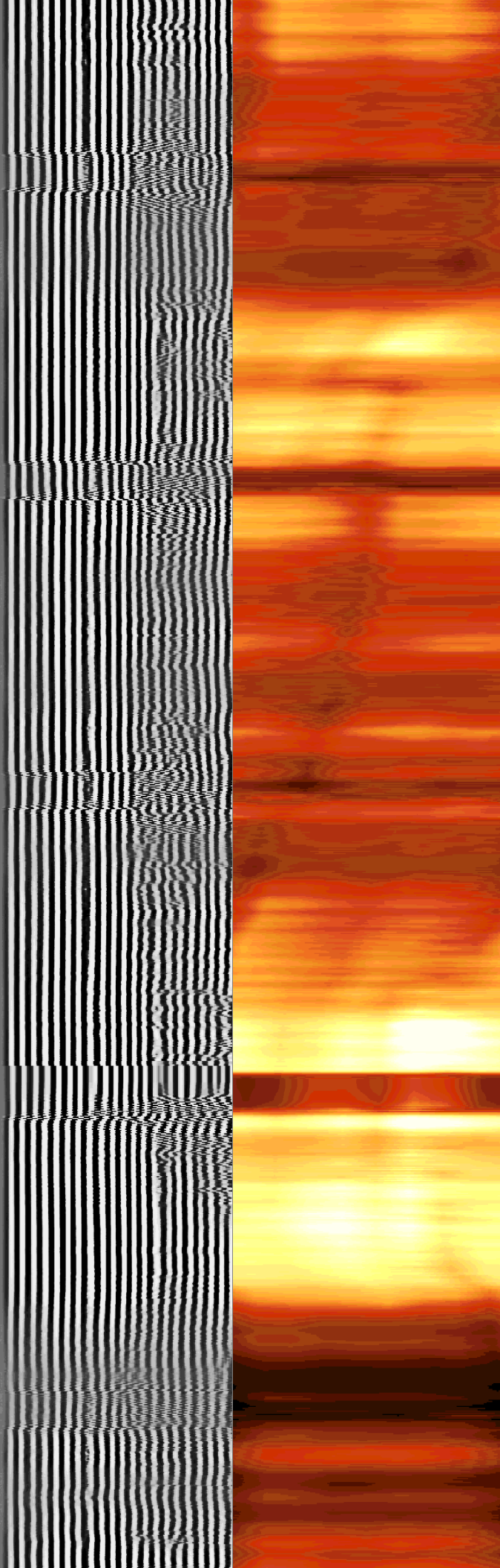
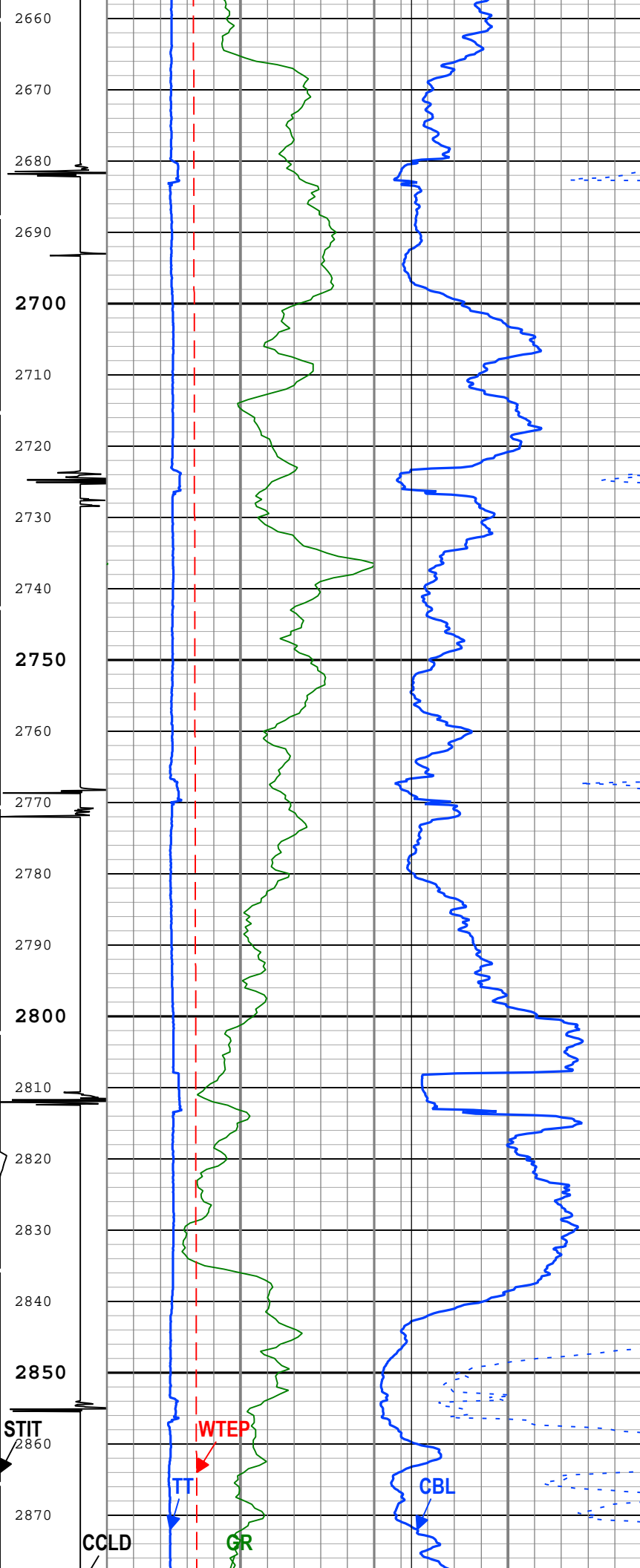
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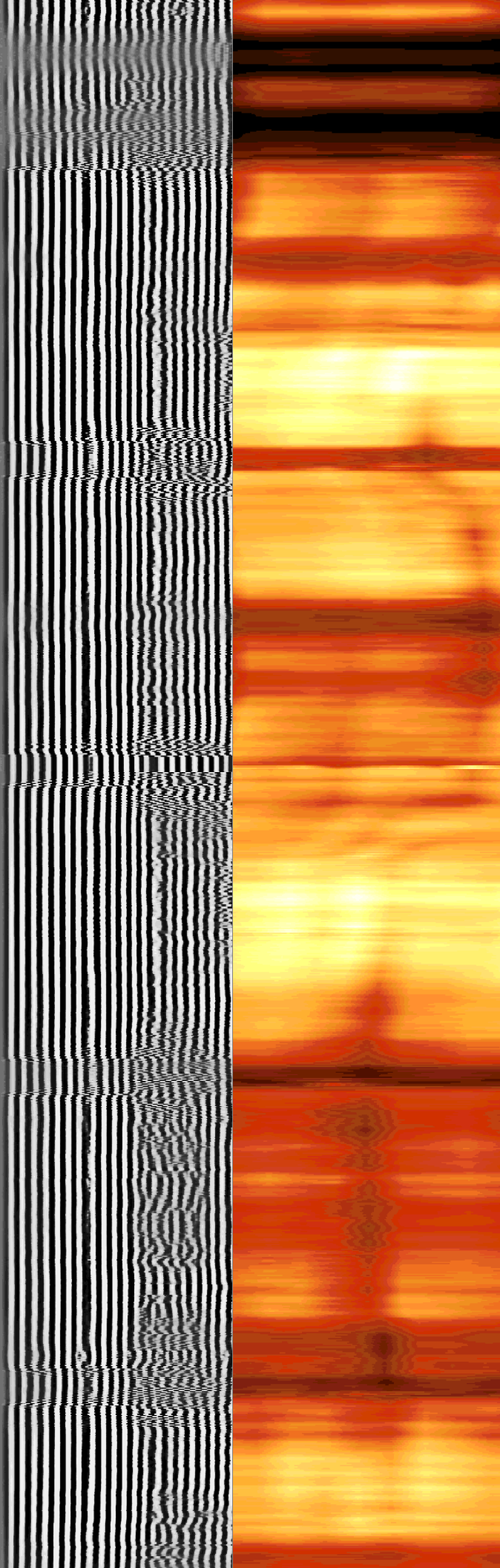
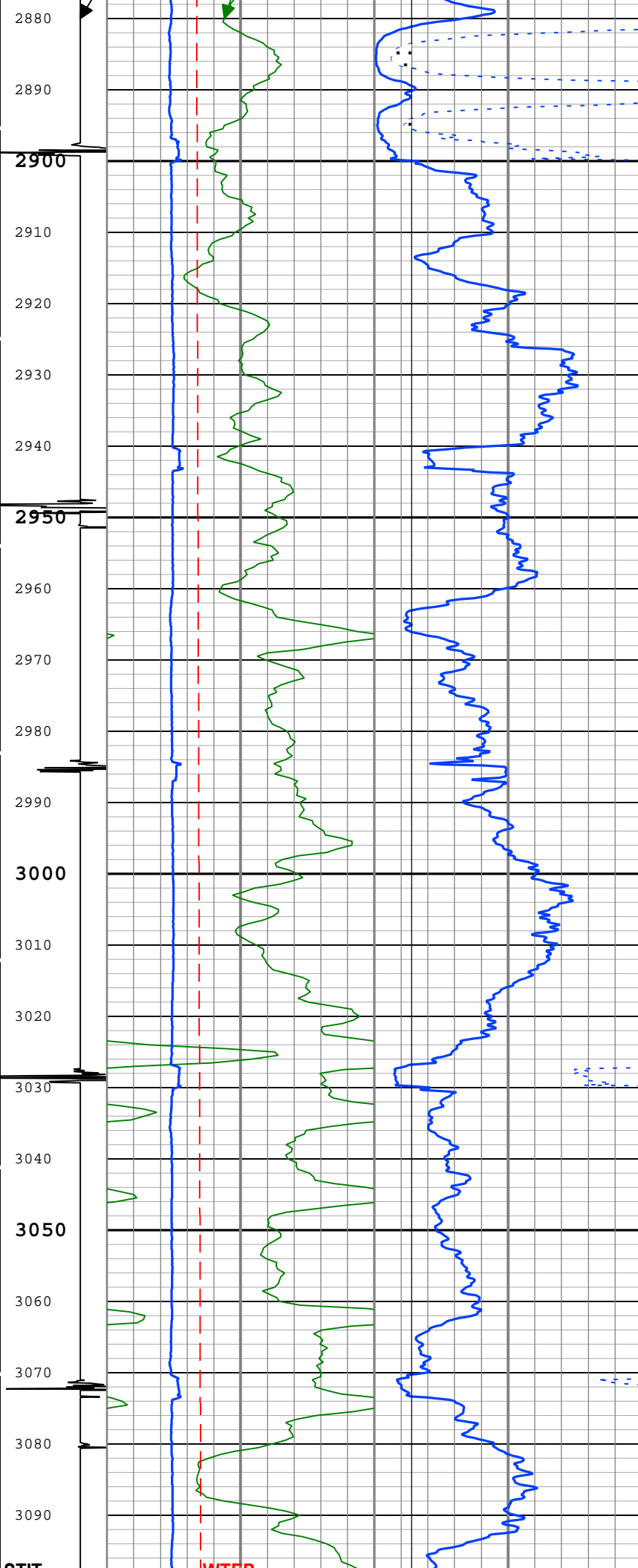
TIME_1900 - Time Marked every 60.00 (s)

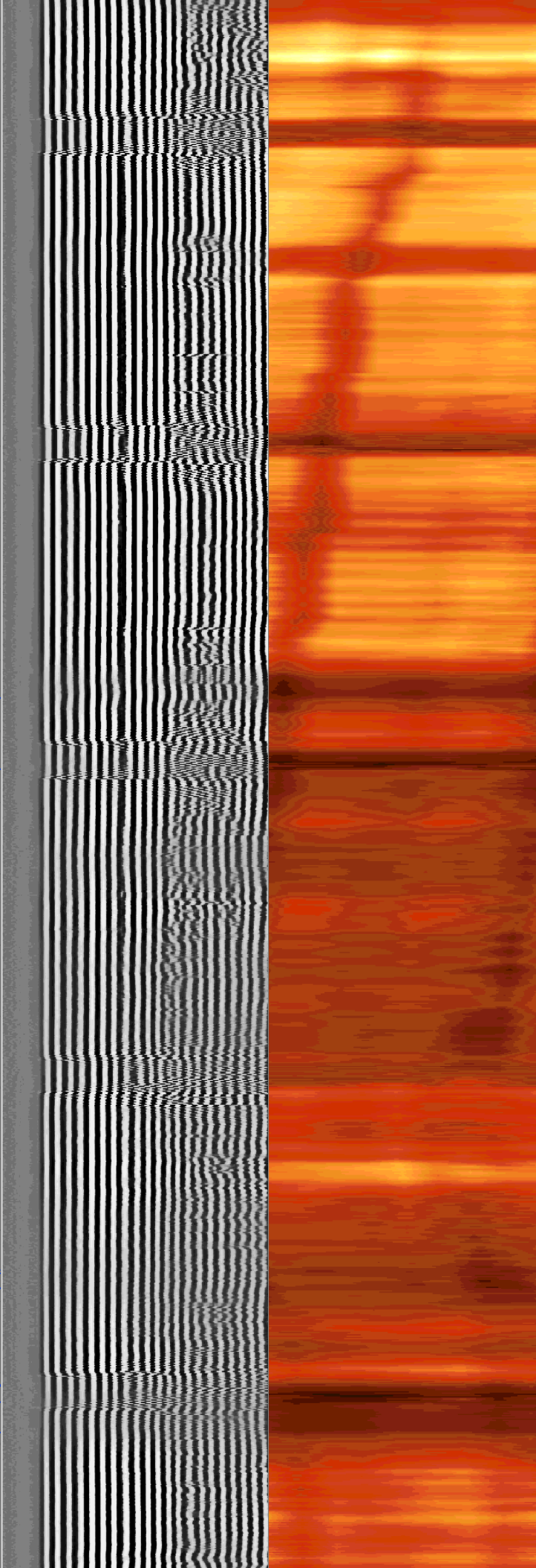
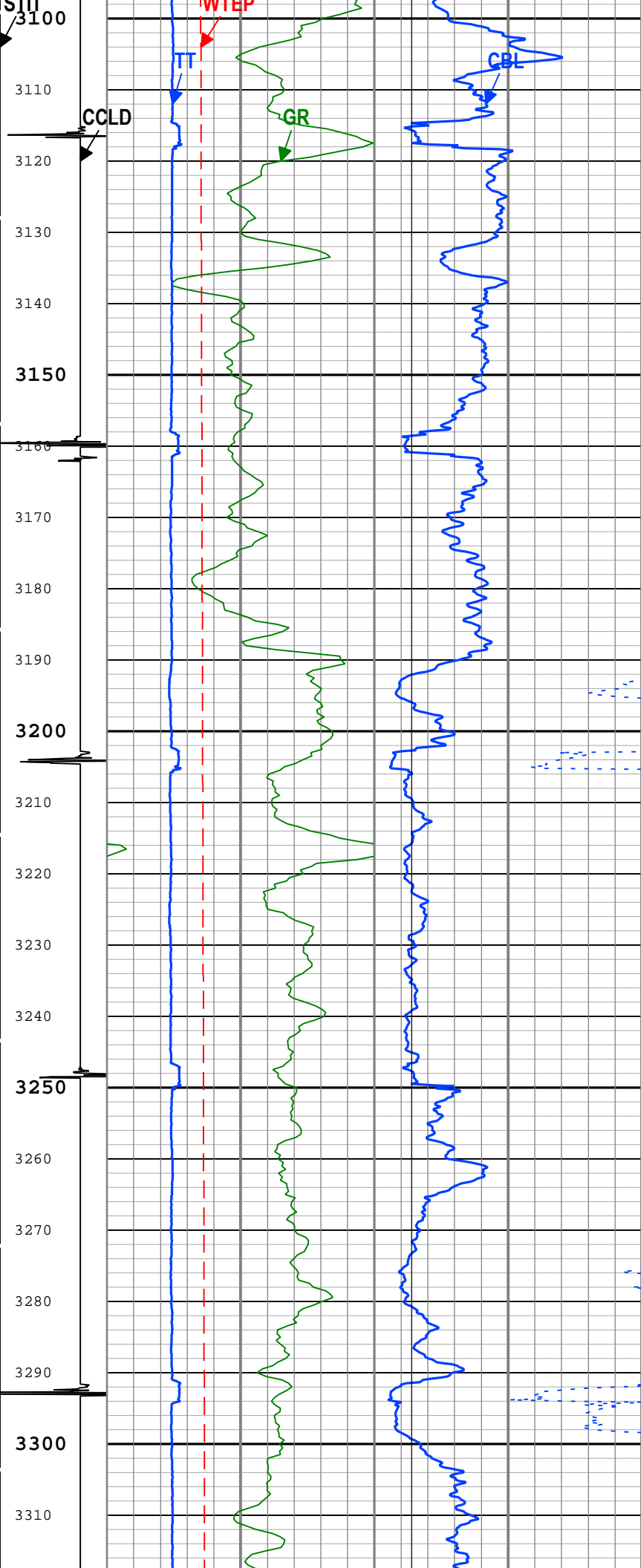


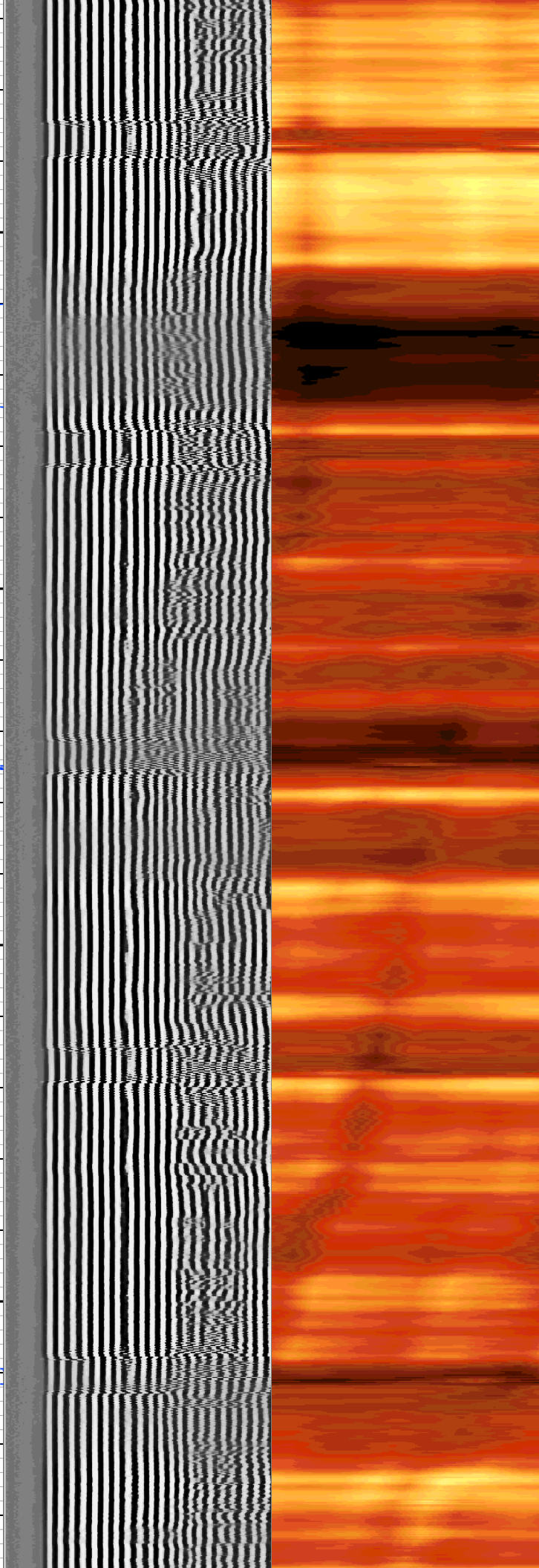
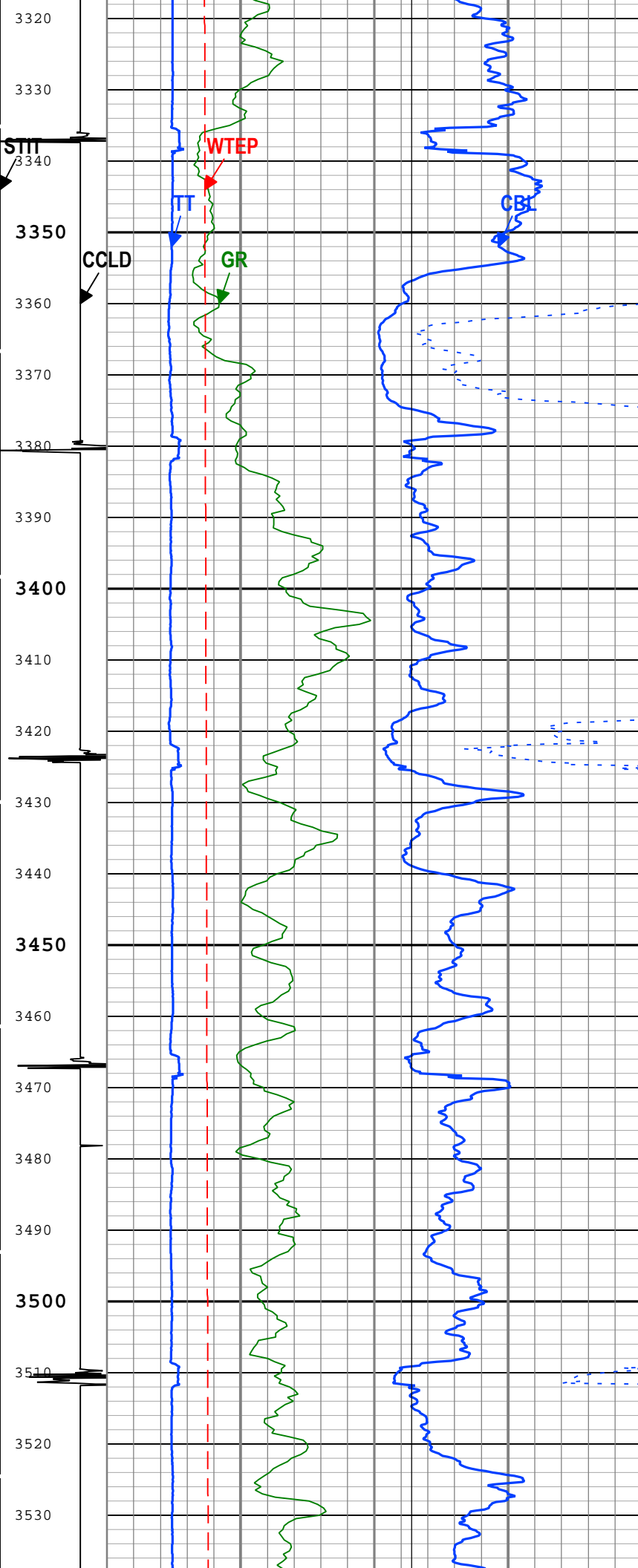


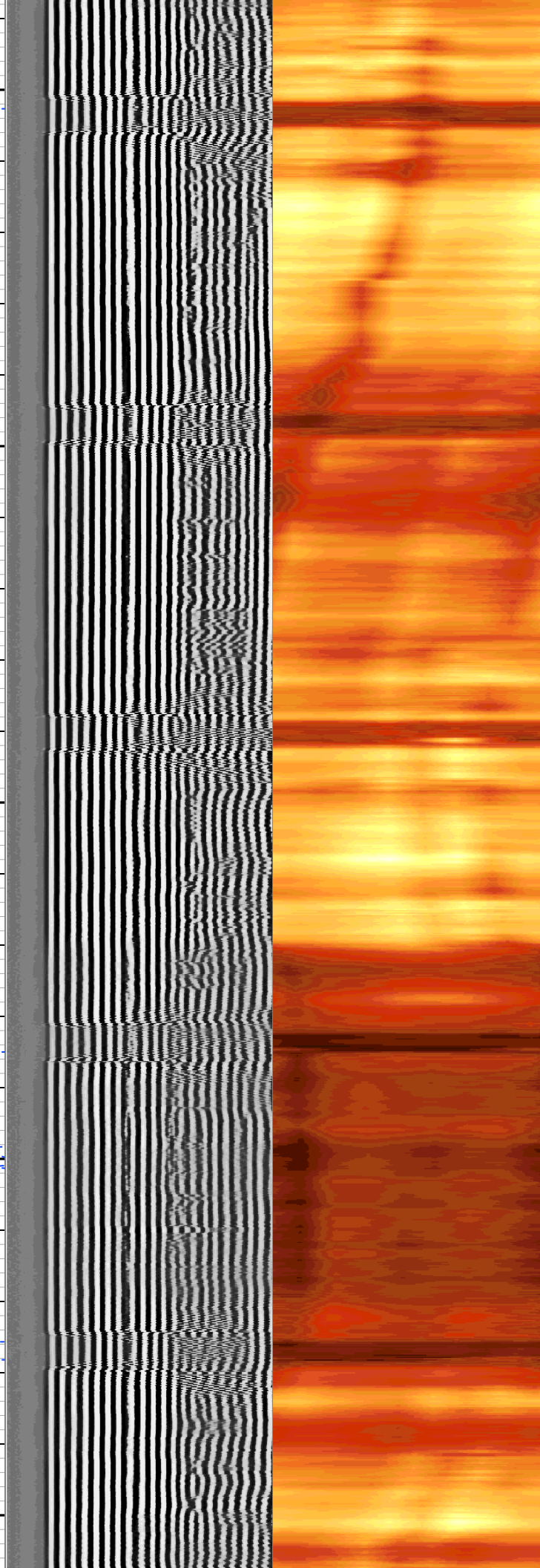
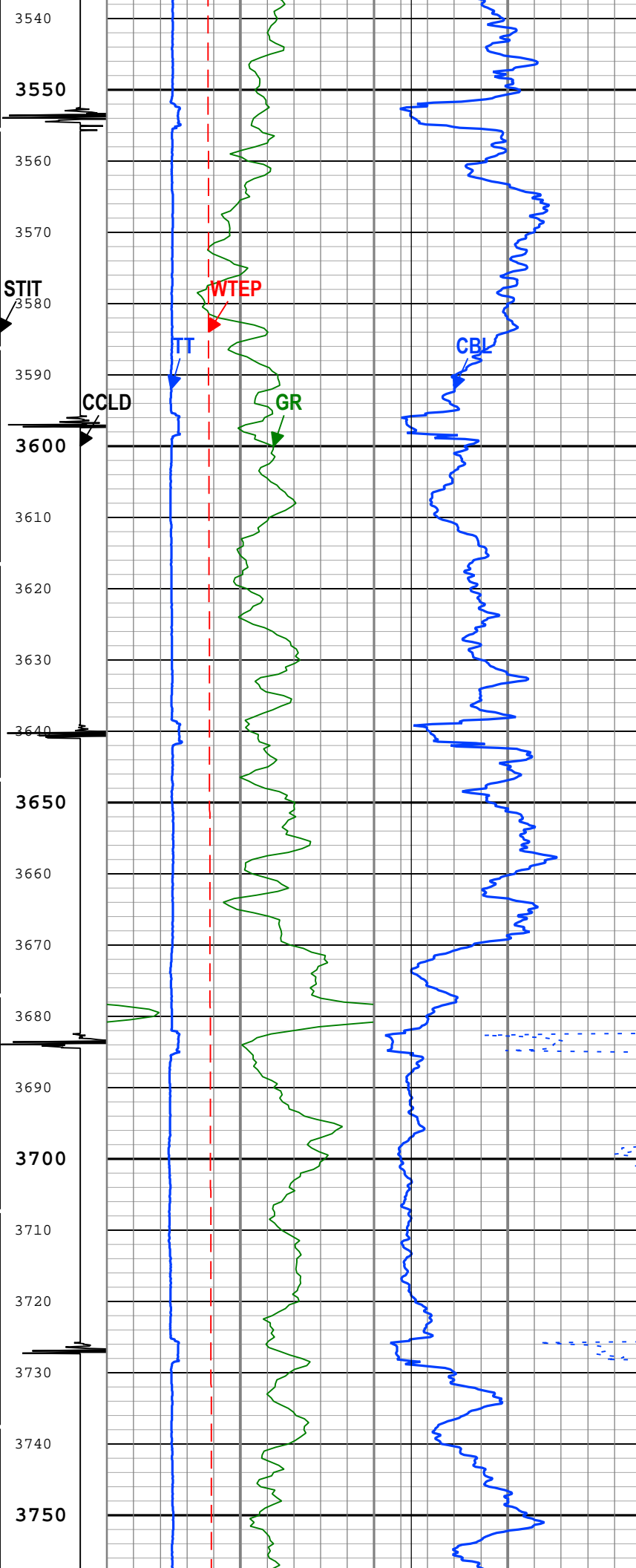


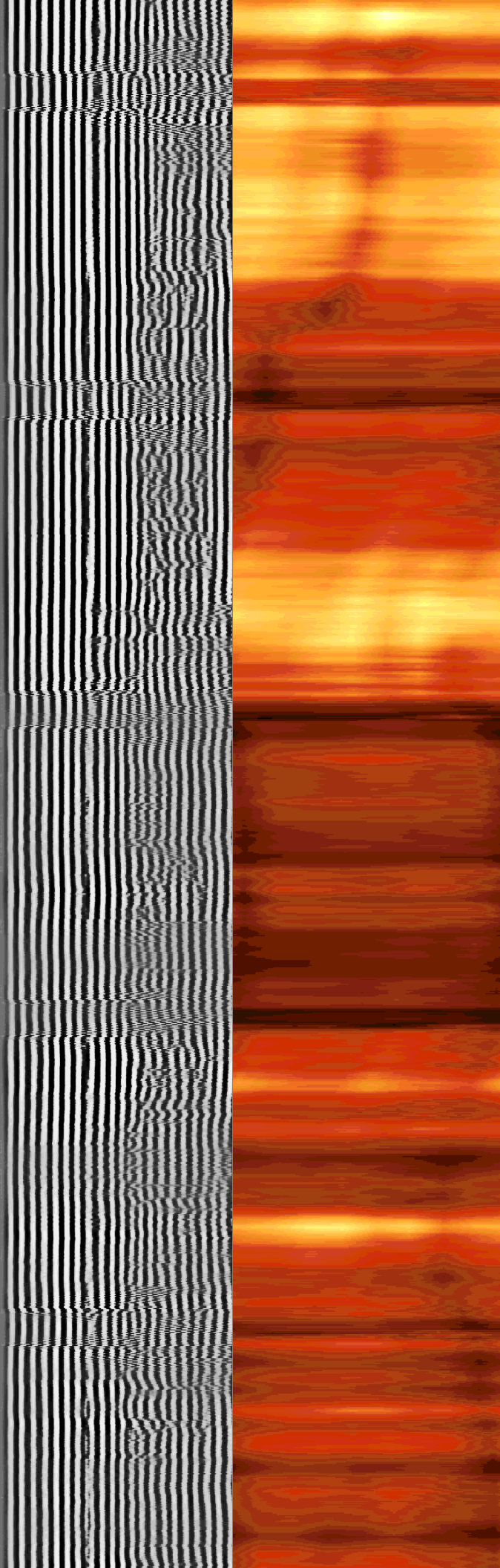
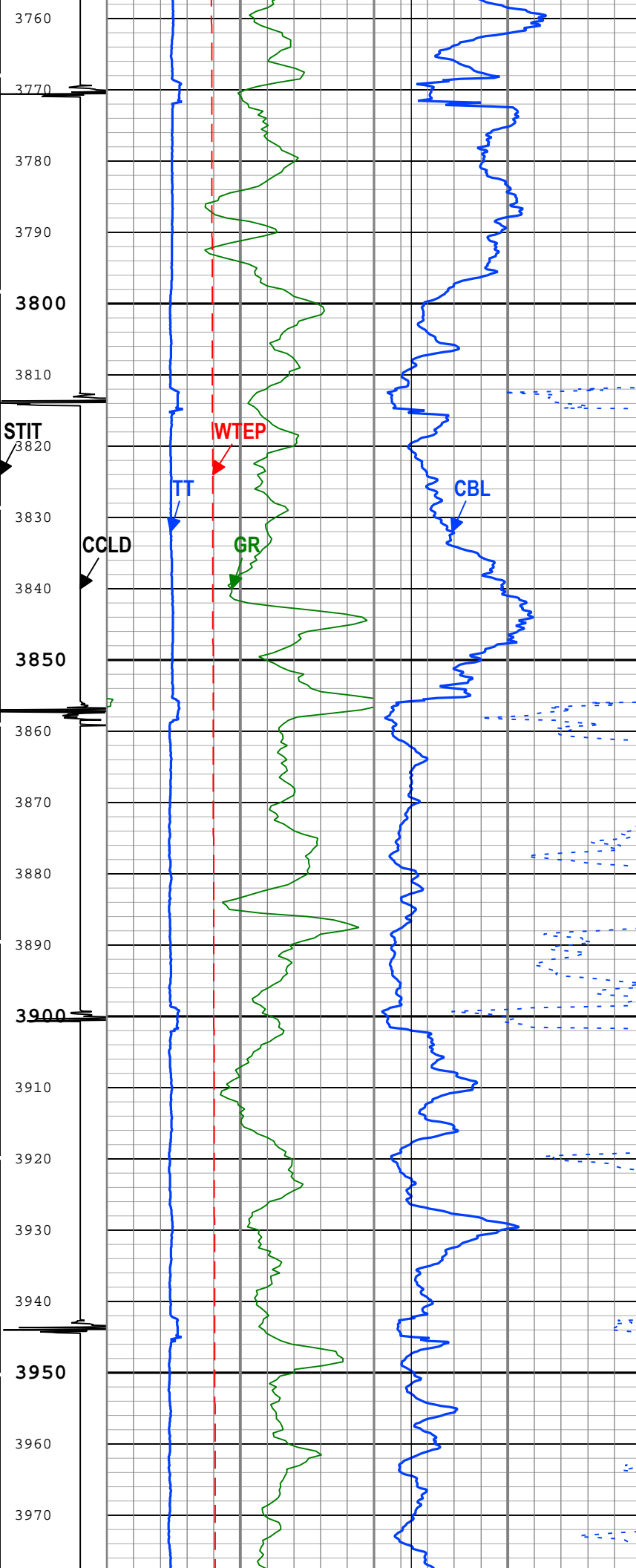


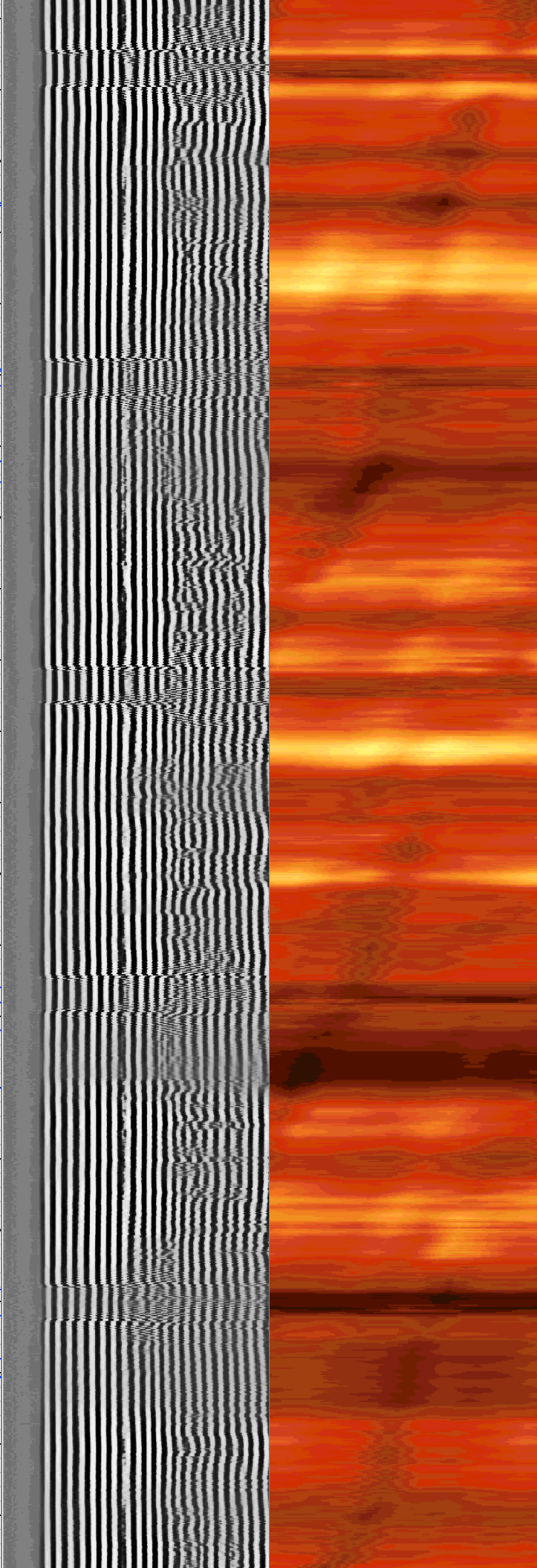
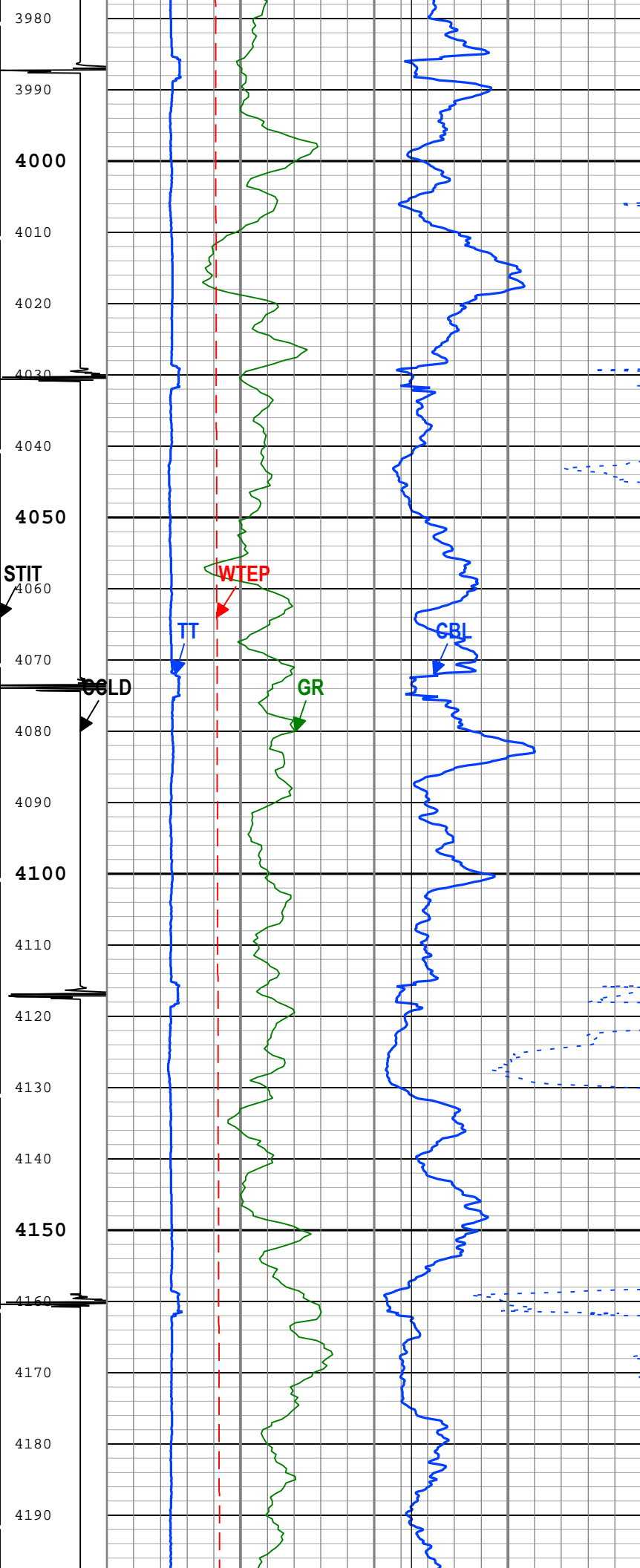


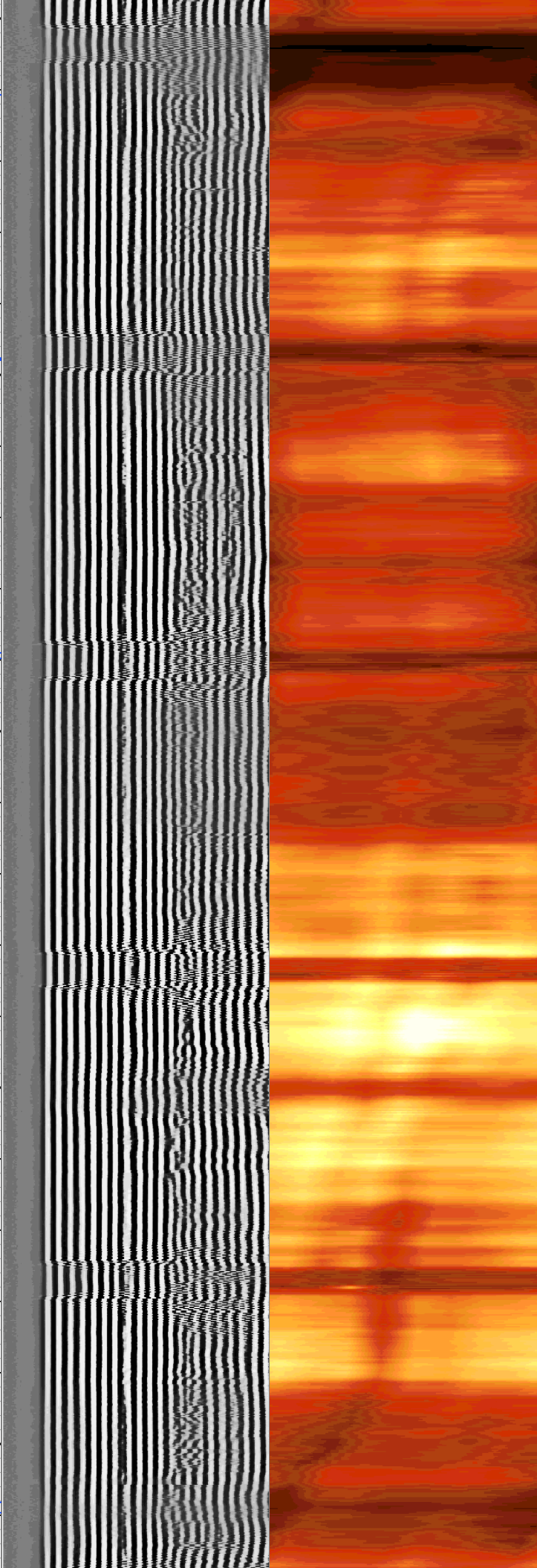
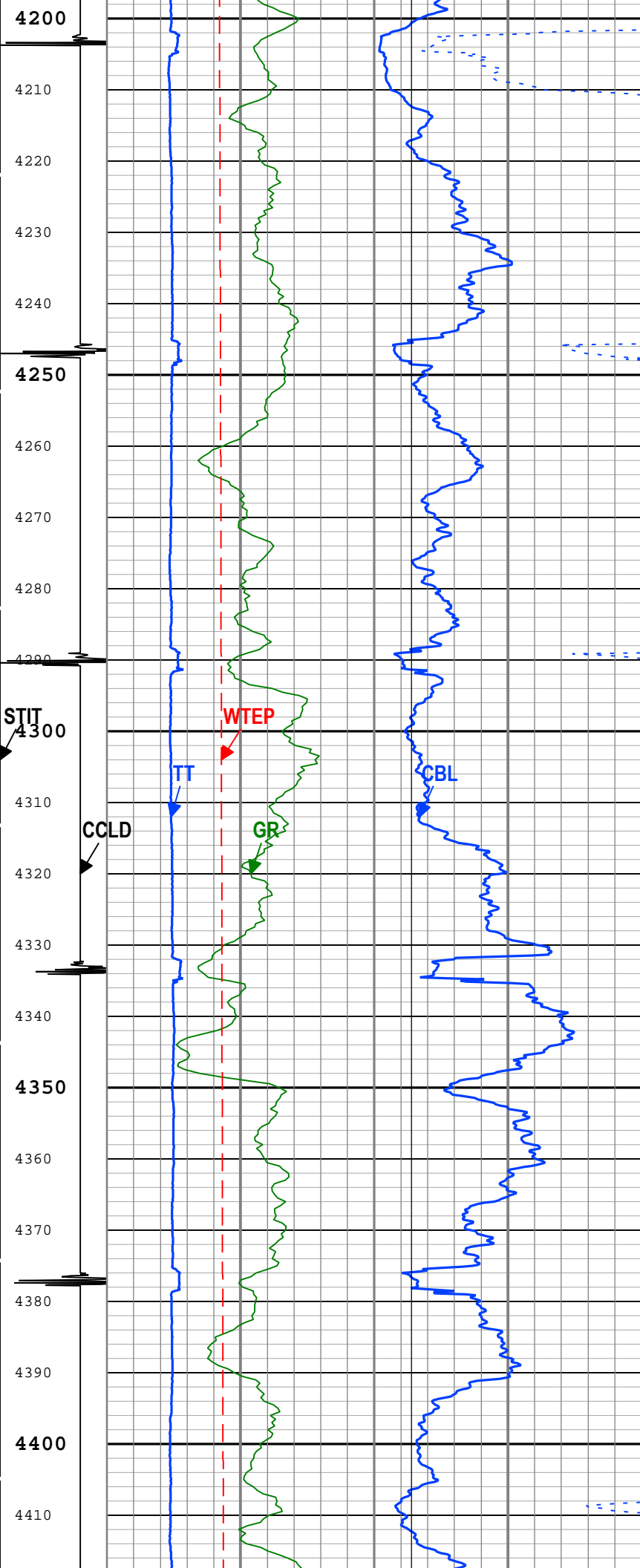


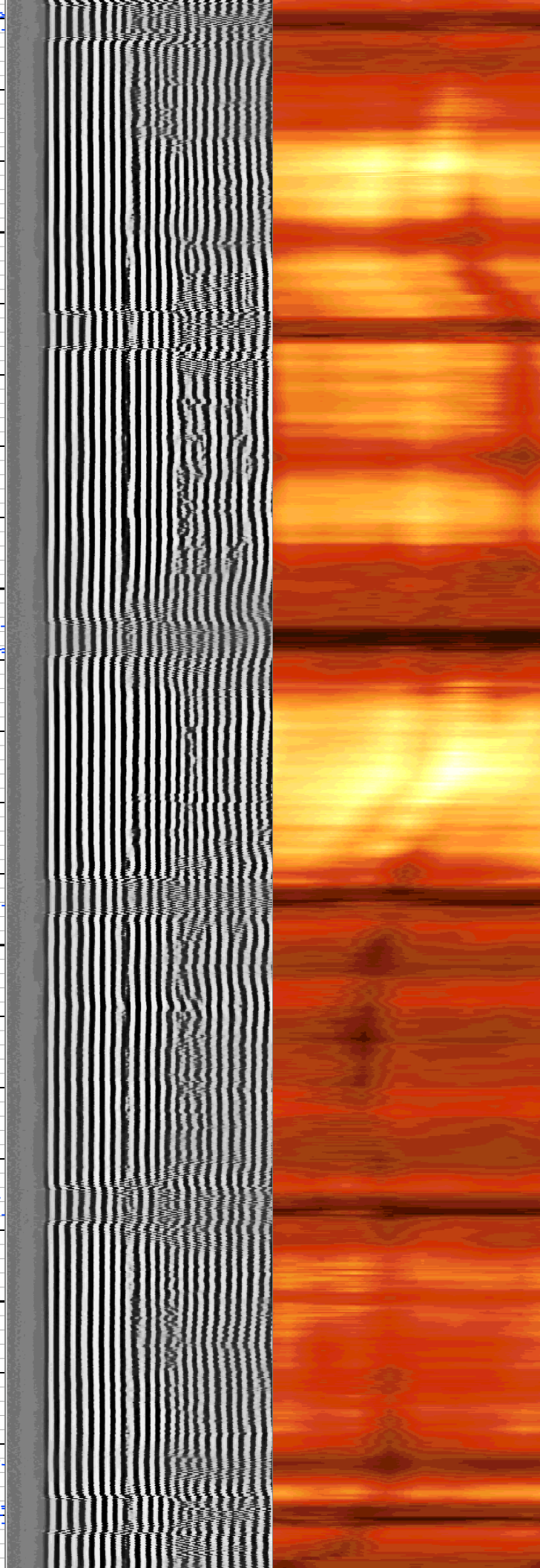
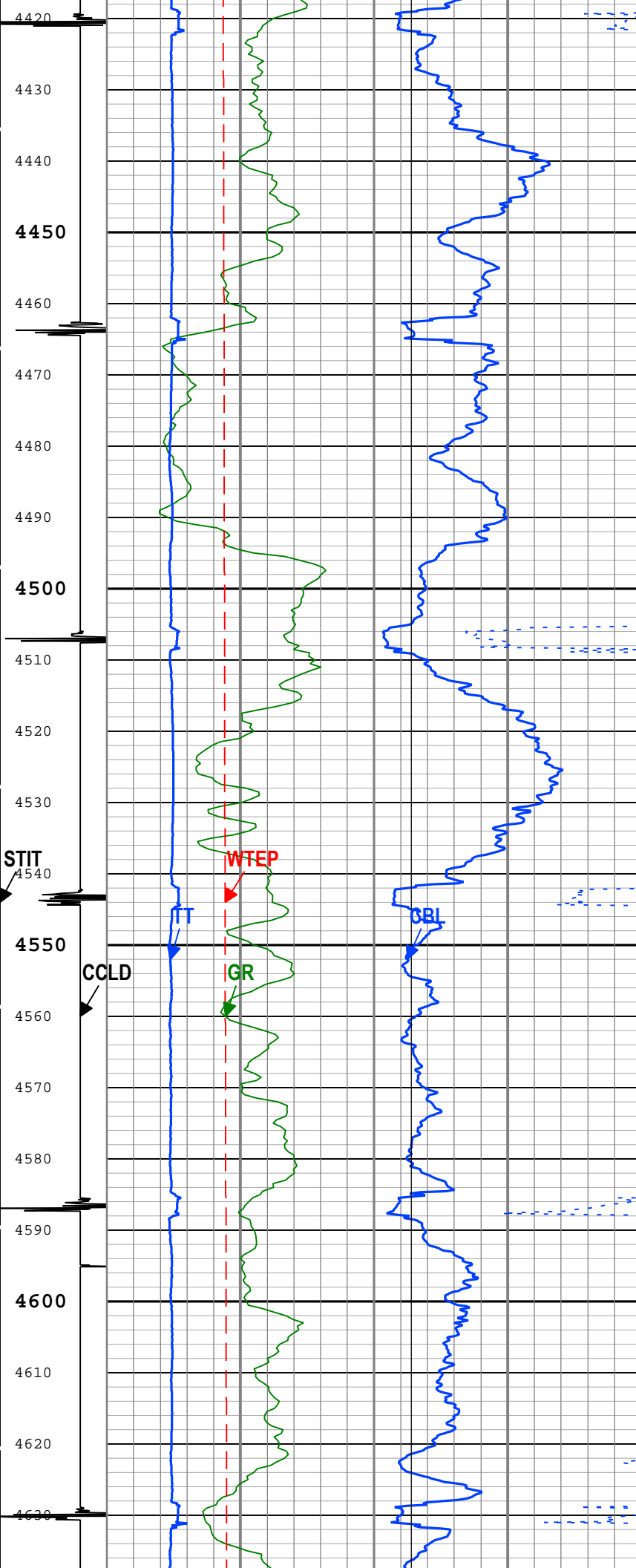


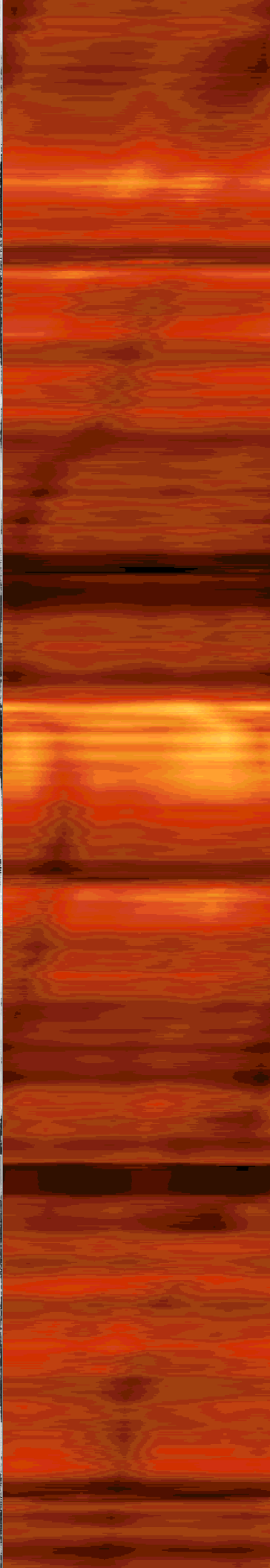
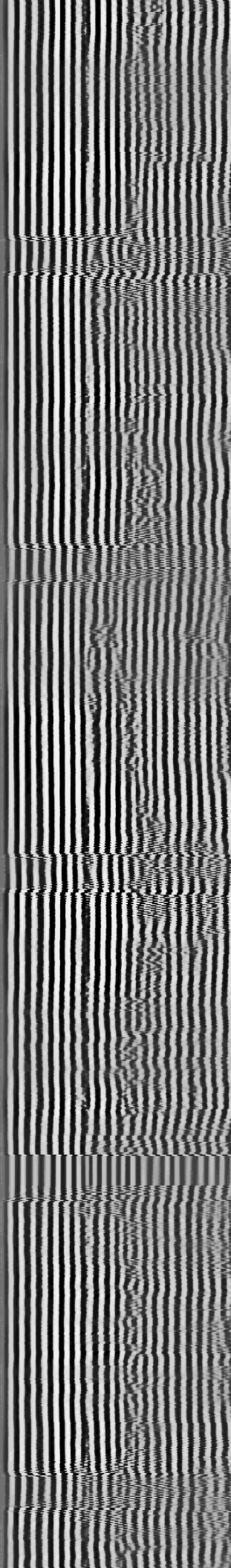
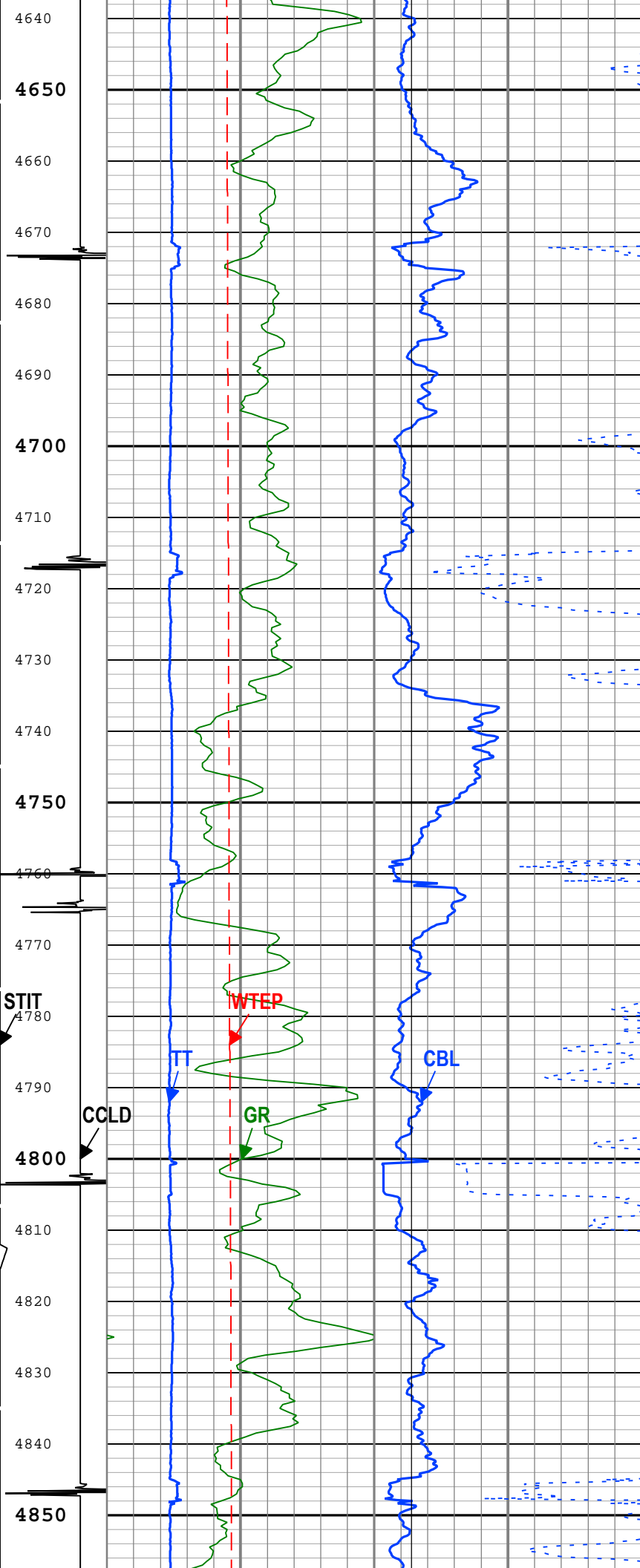


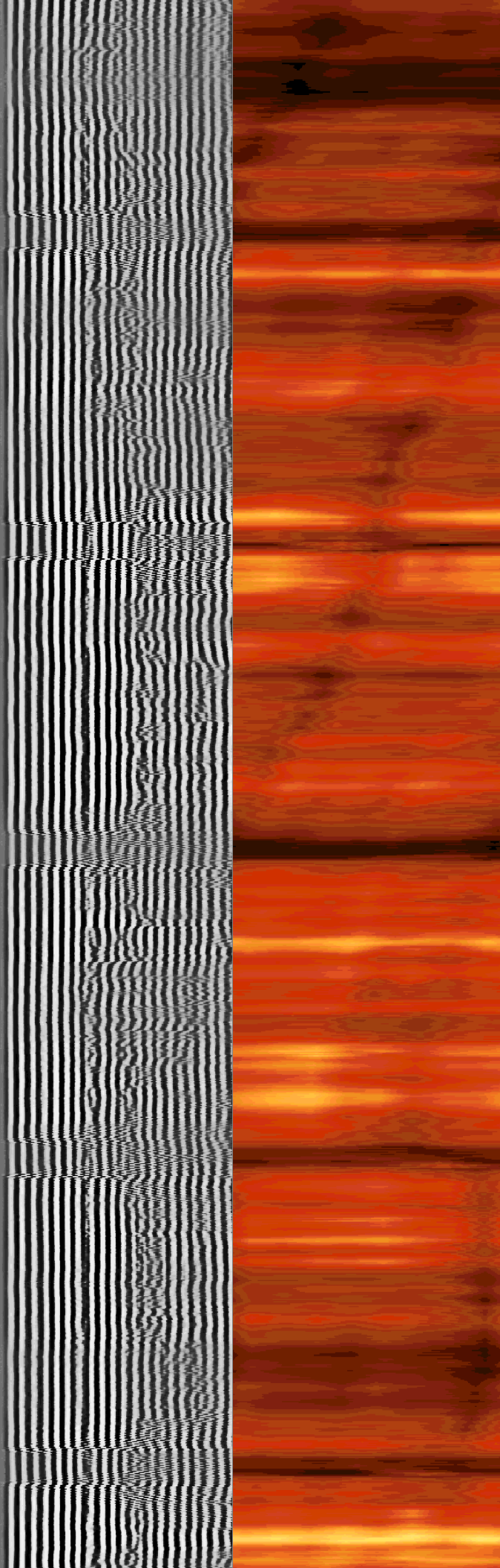
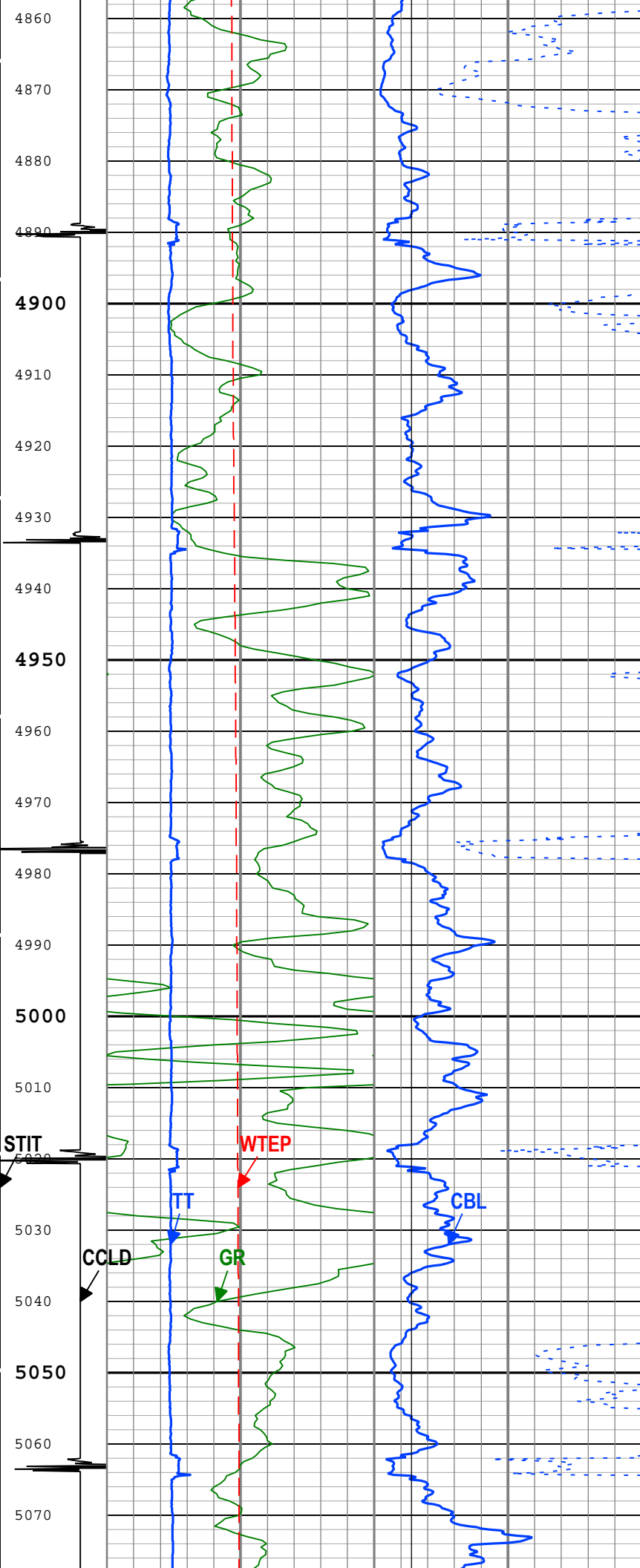


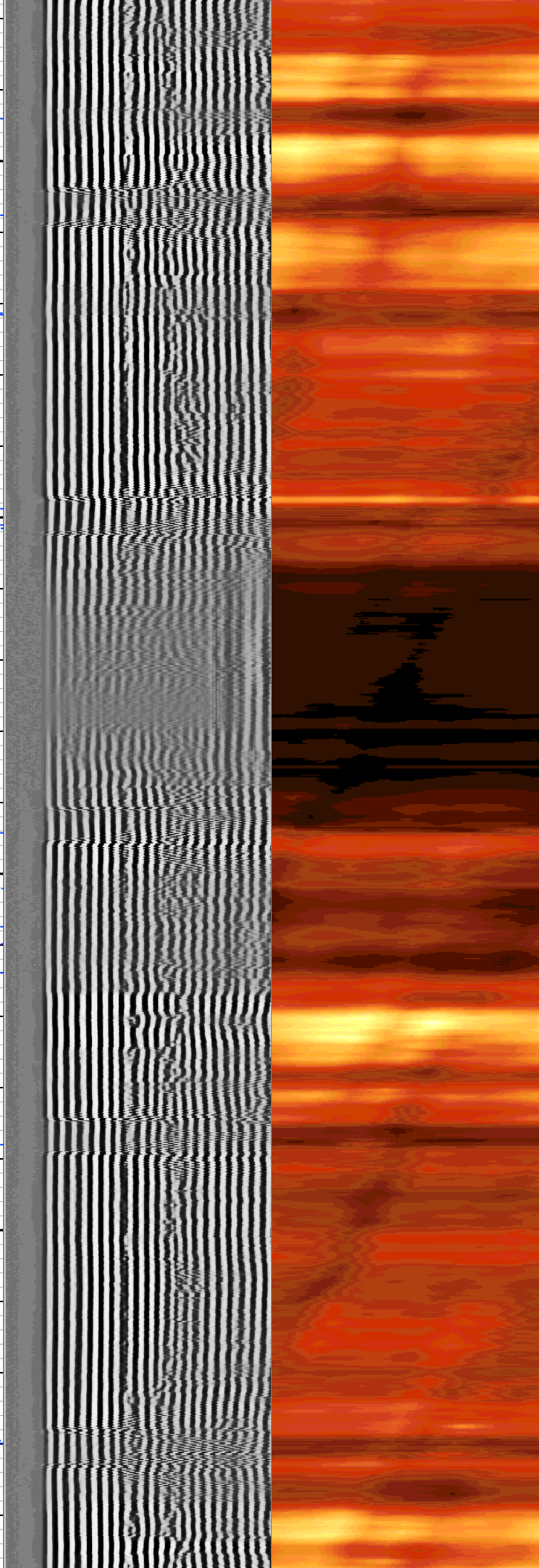
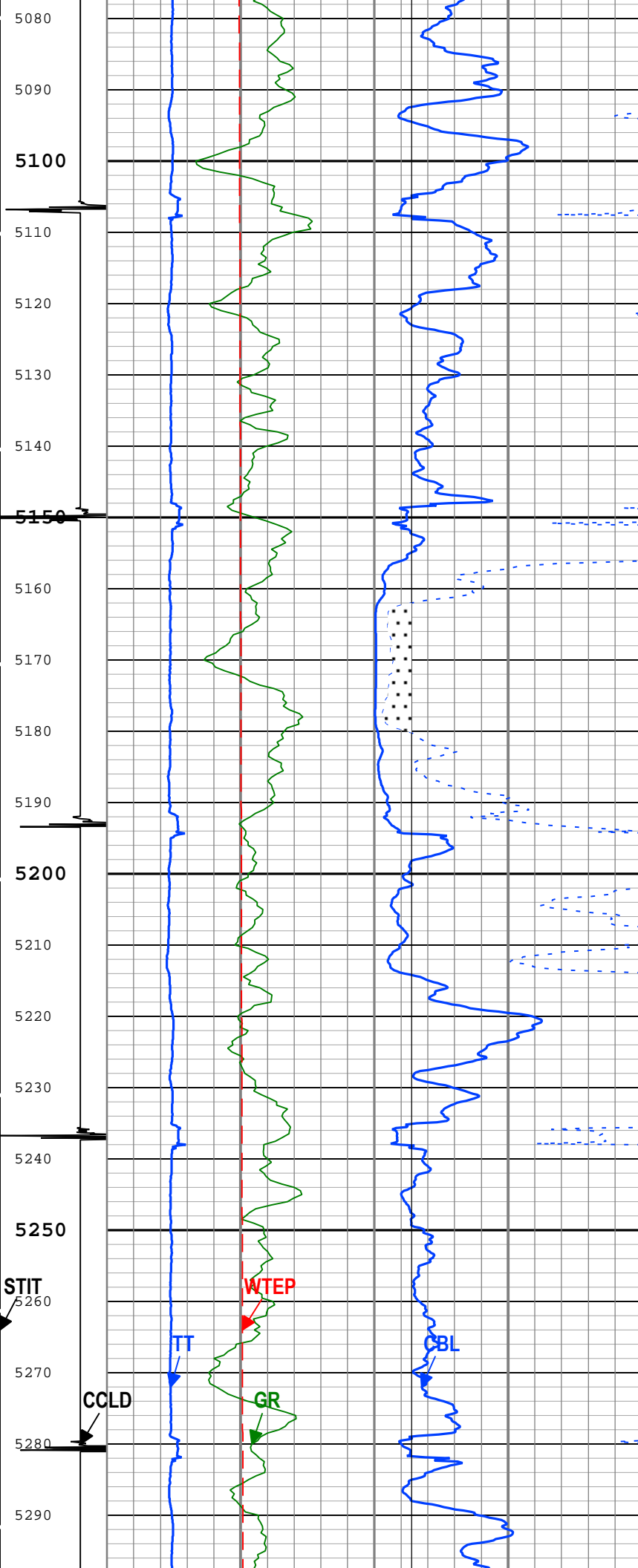


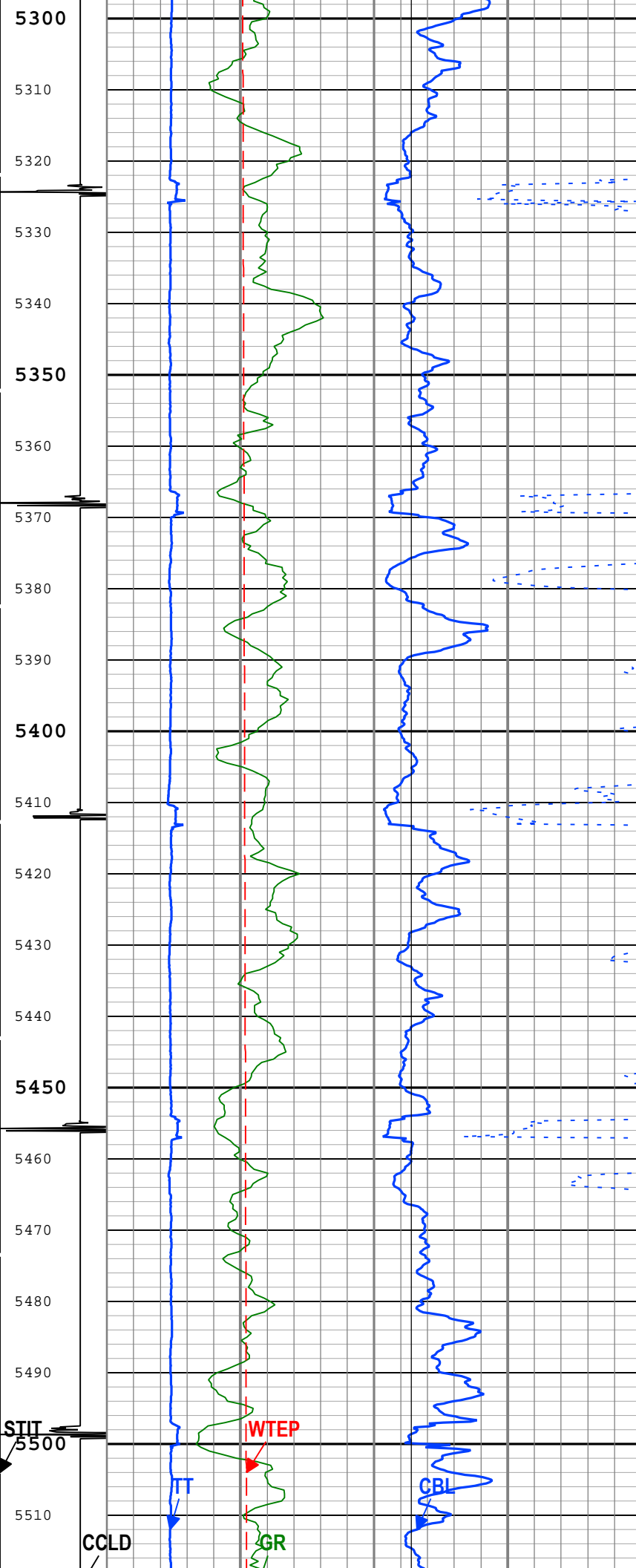


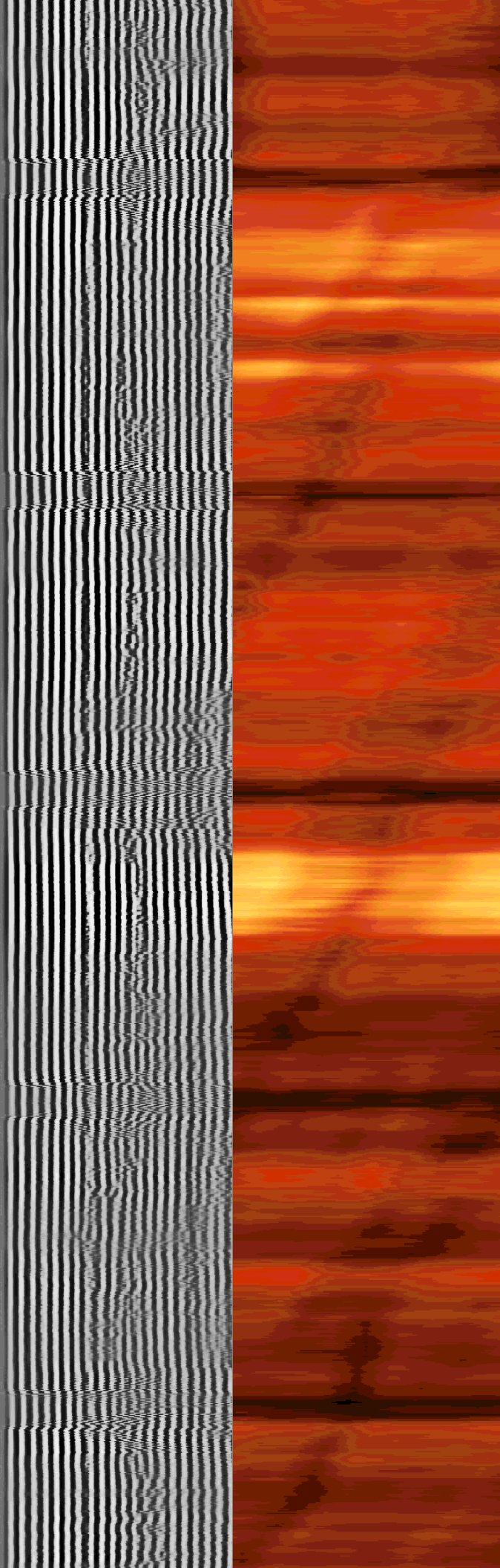
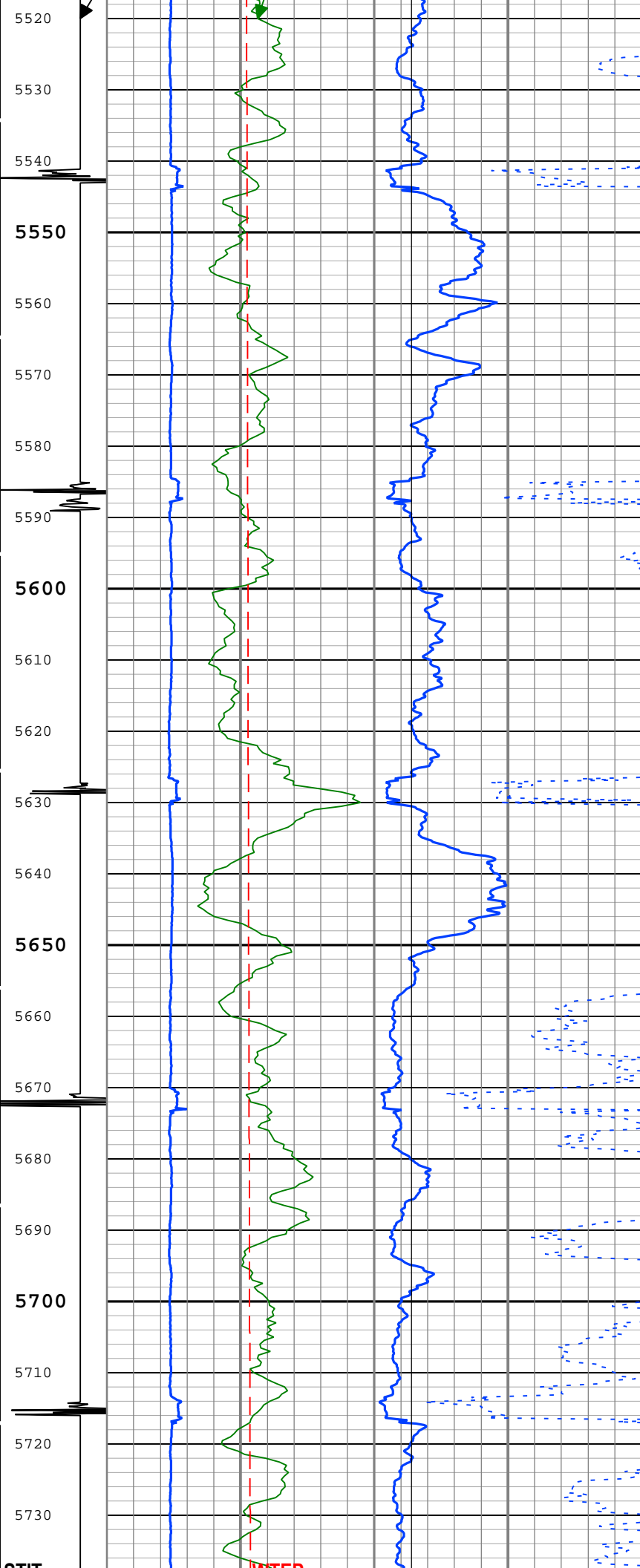


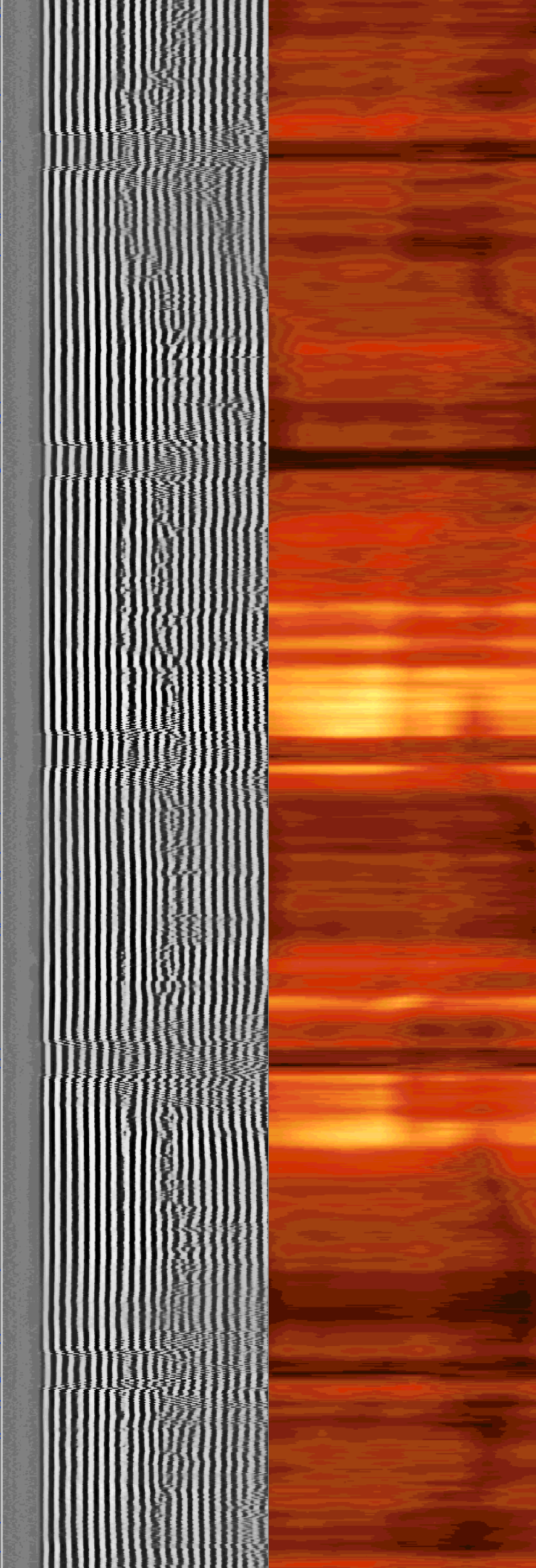
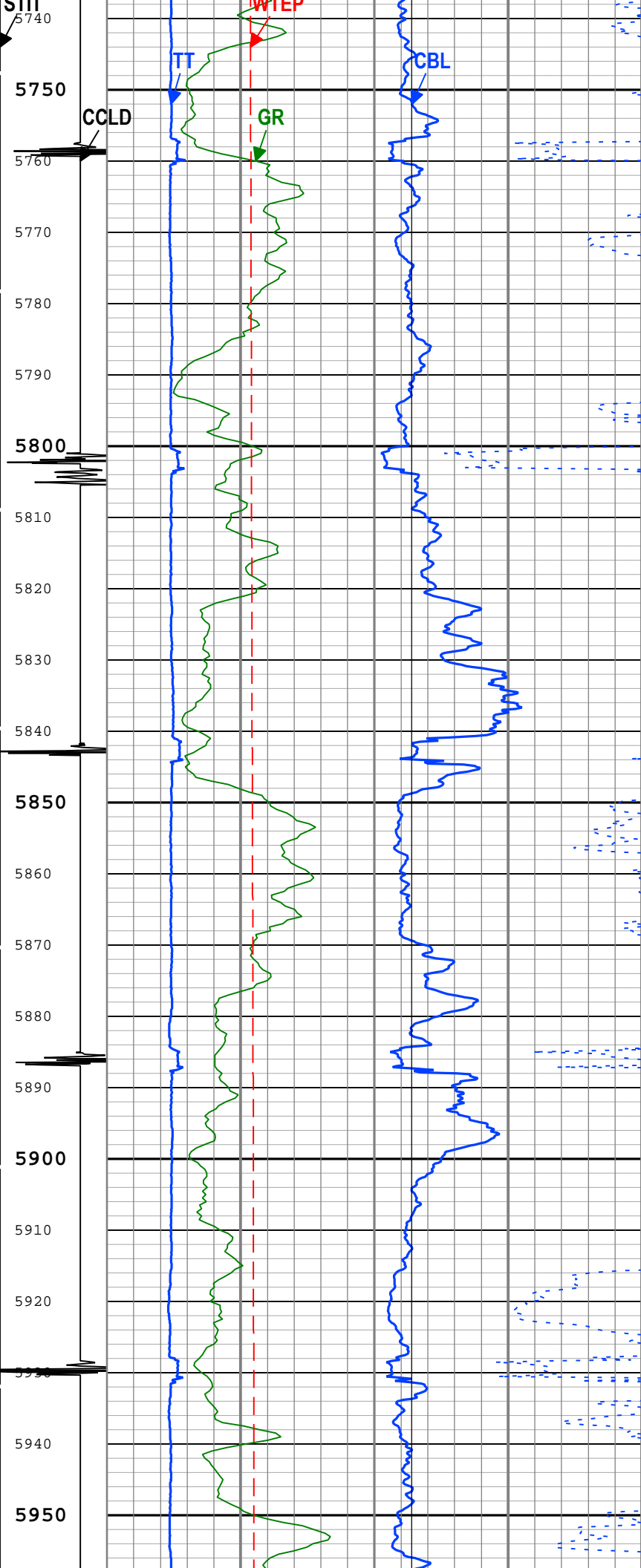


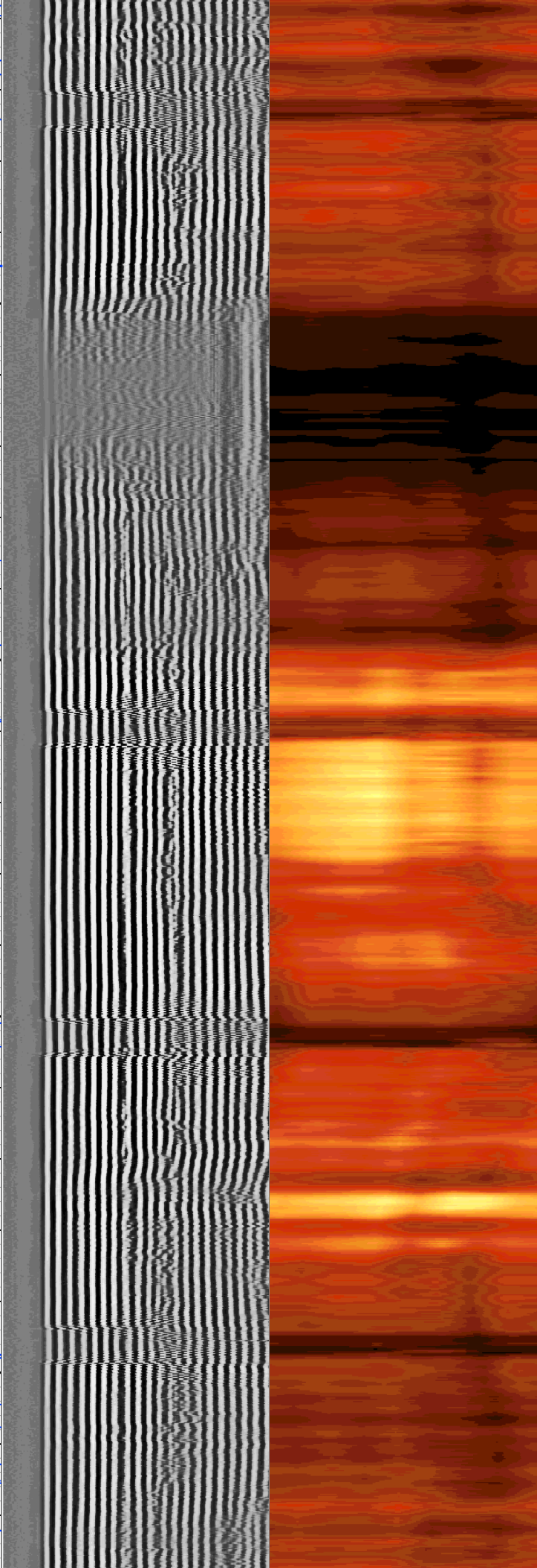
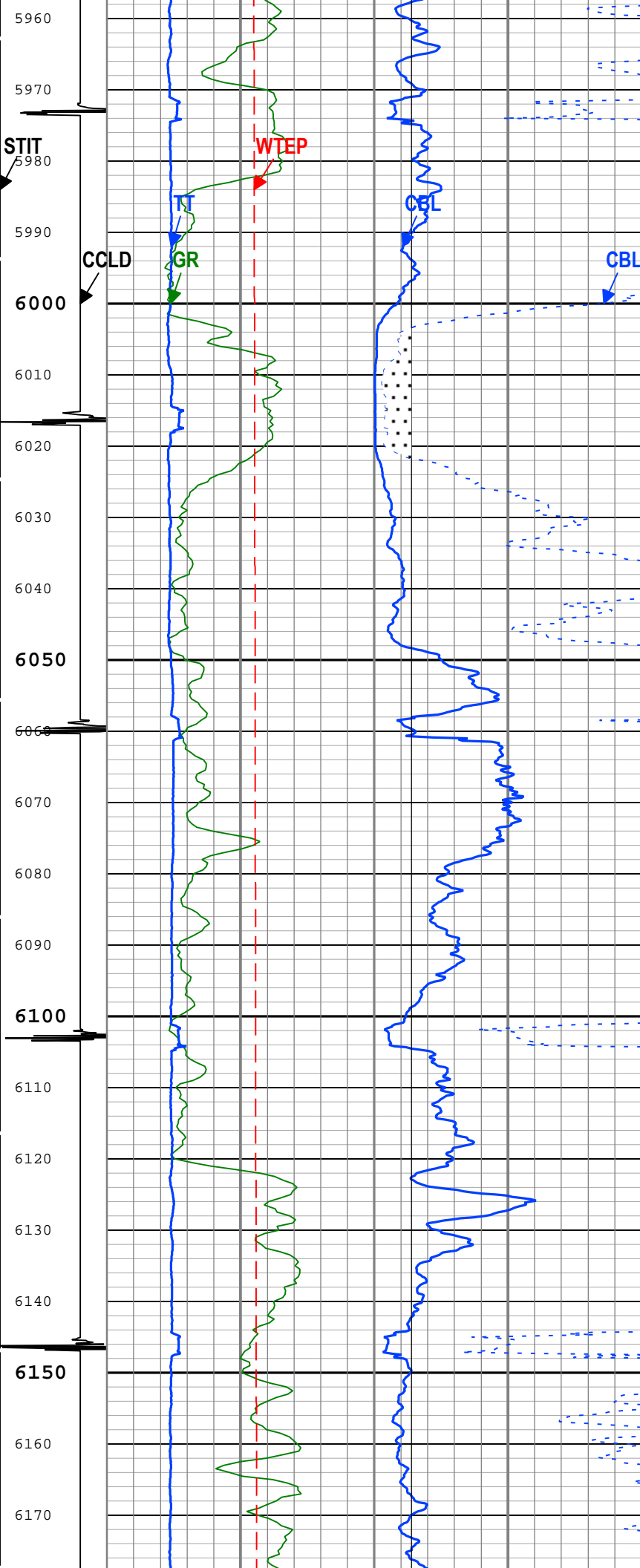


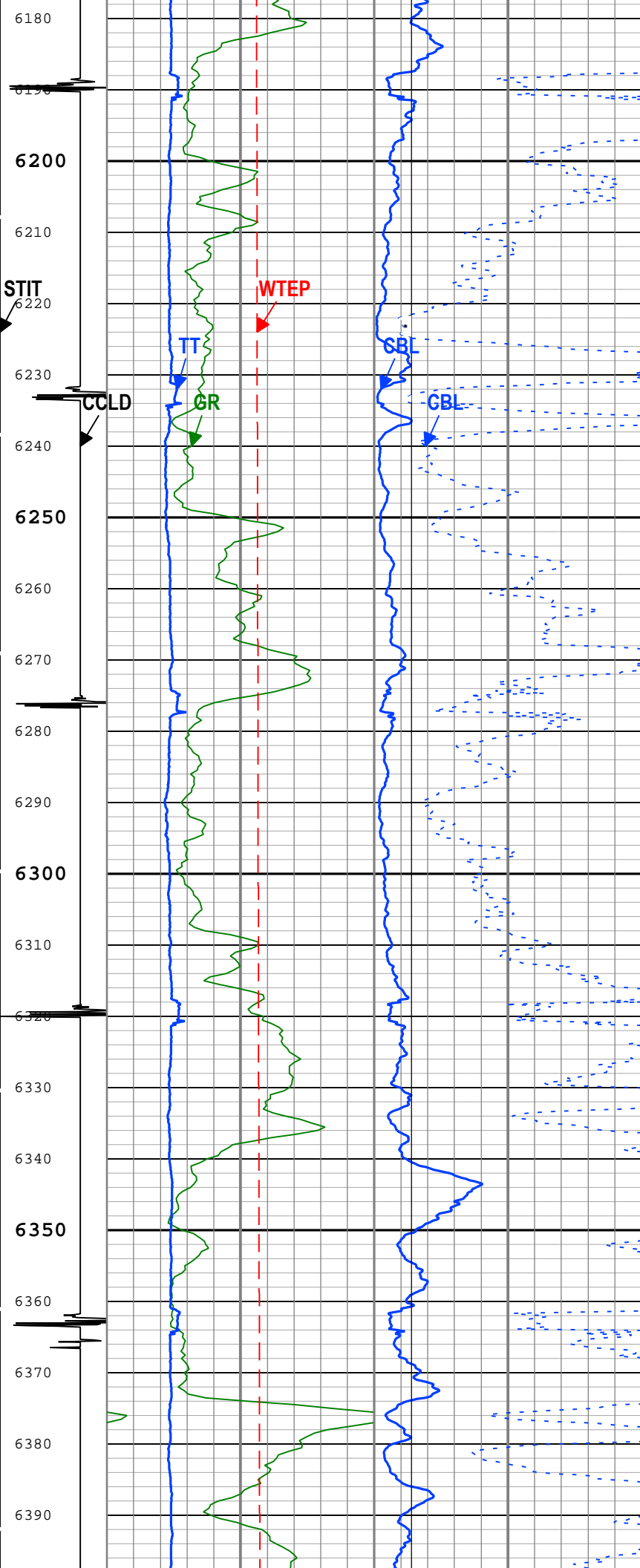


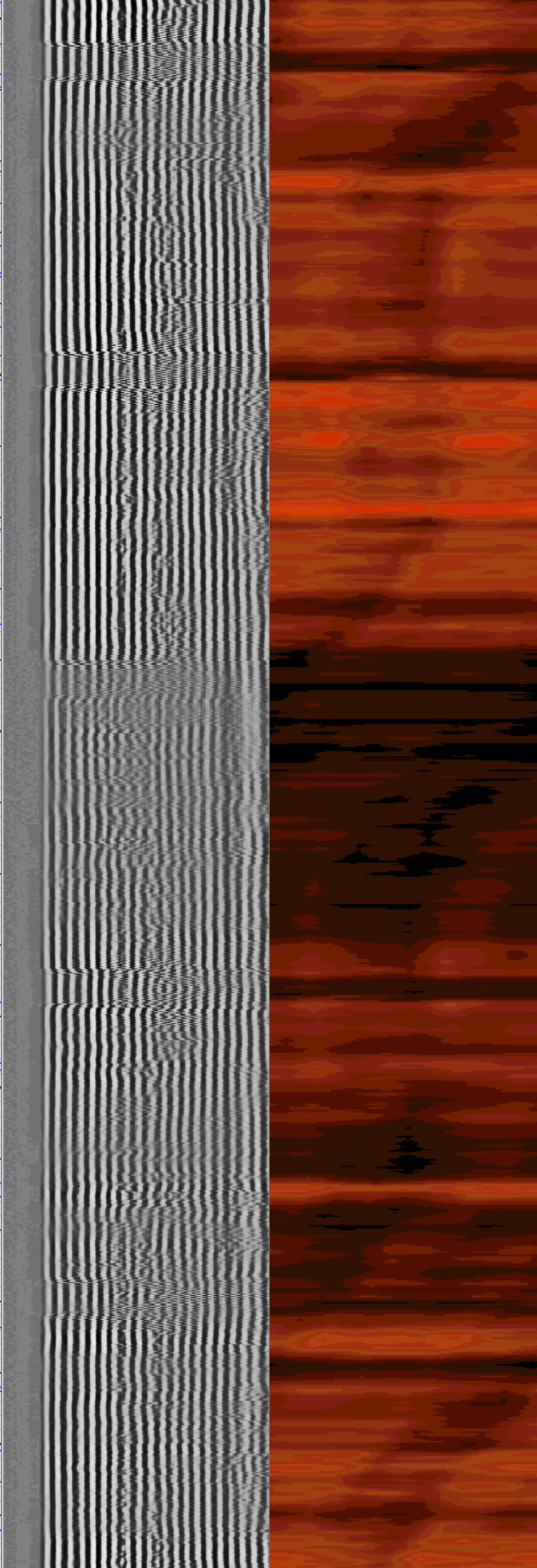
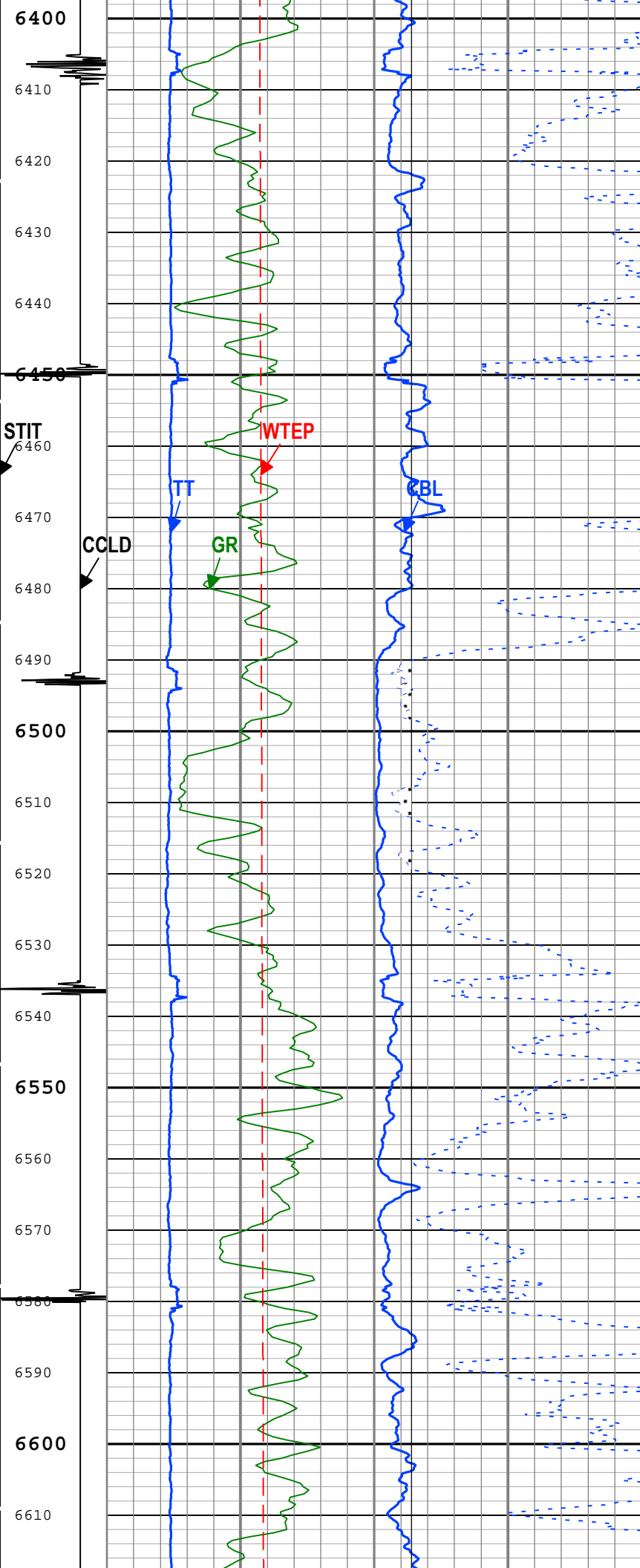


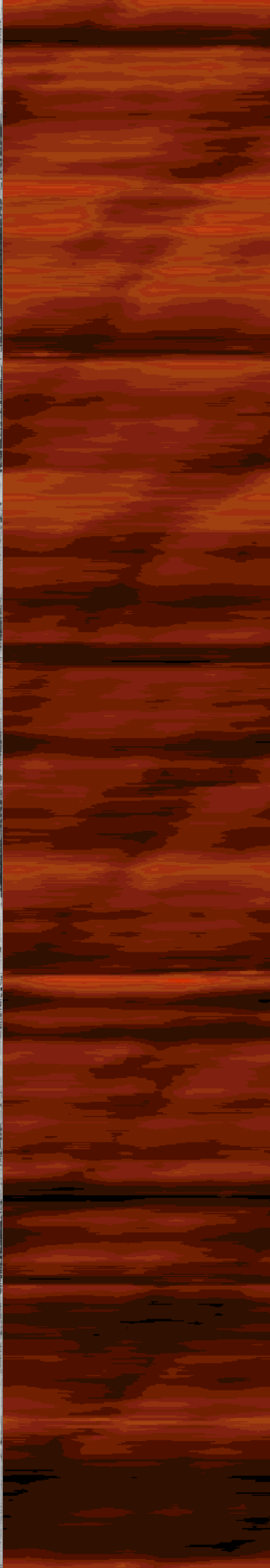
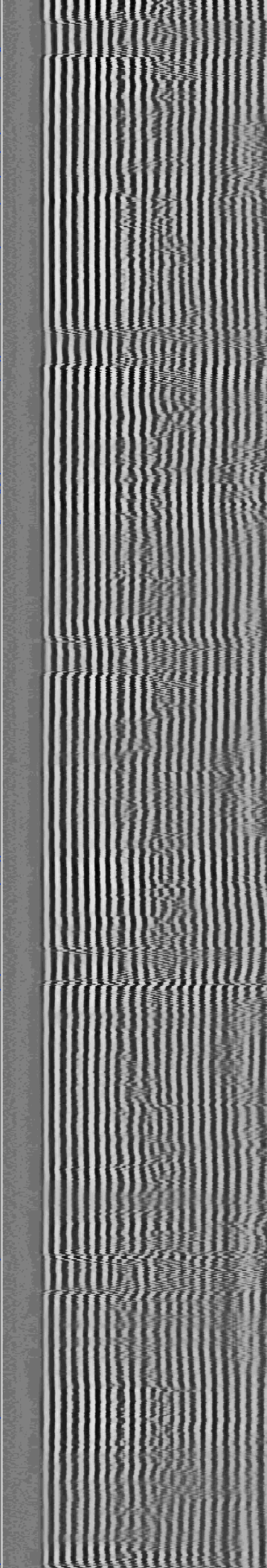
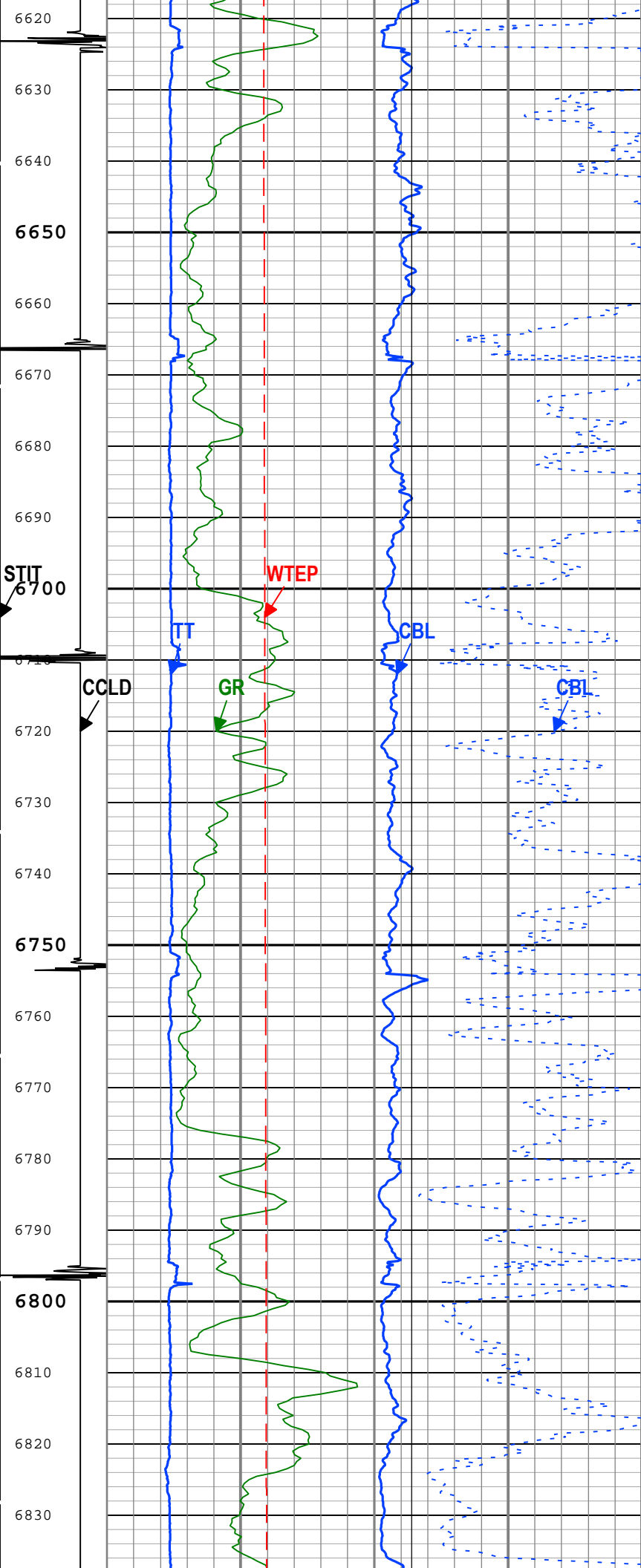


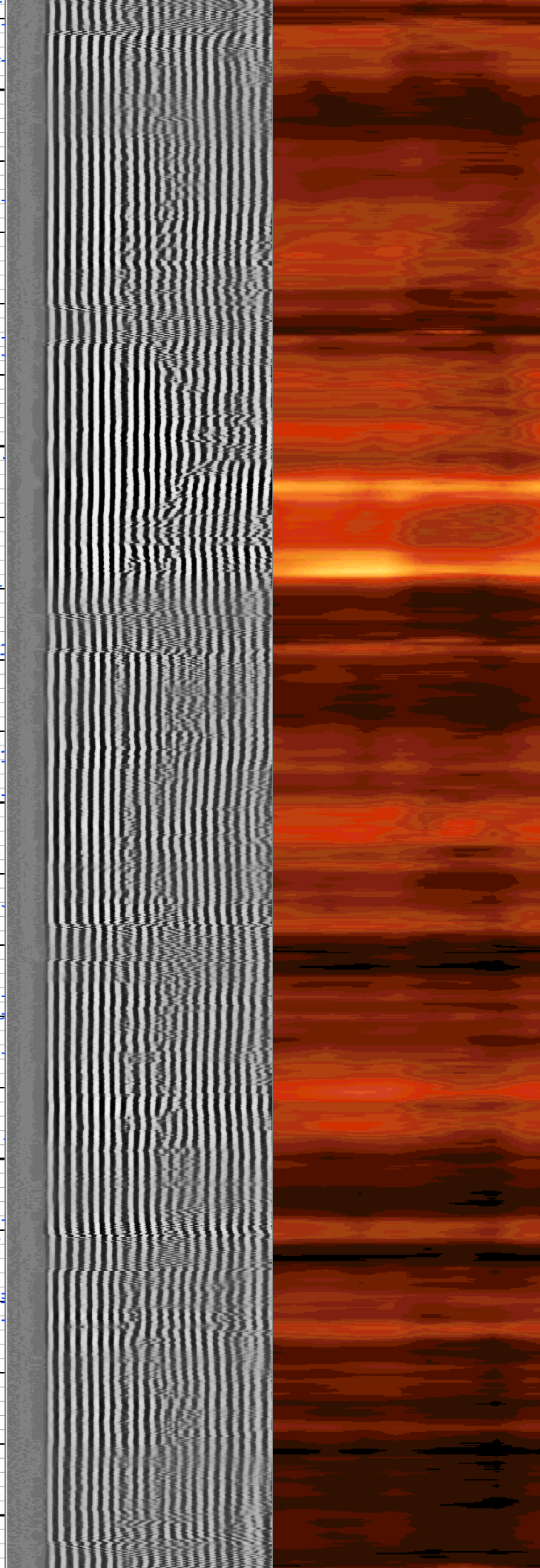
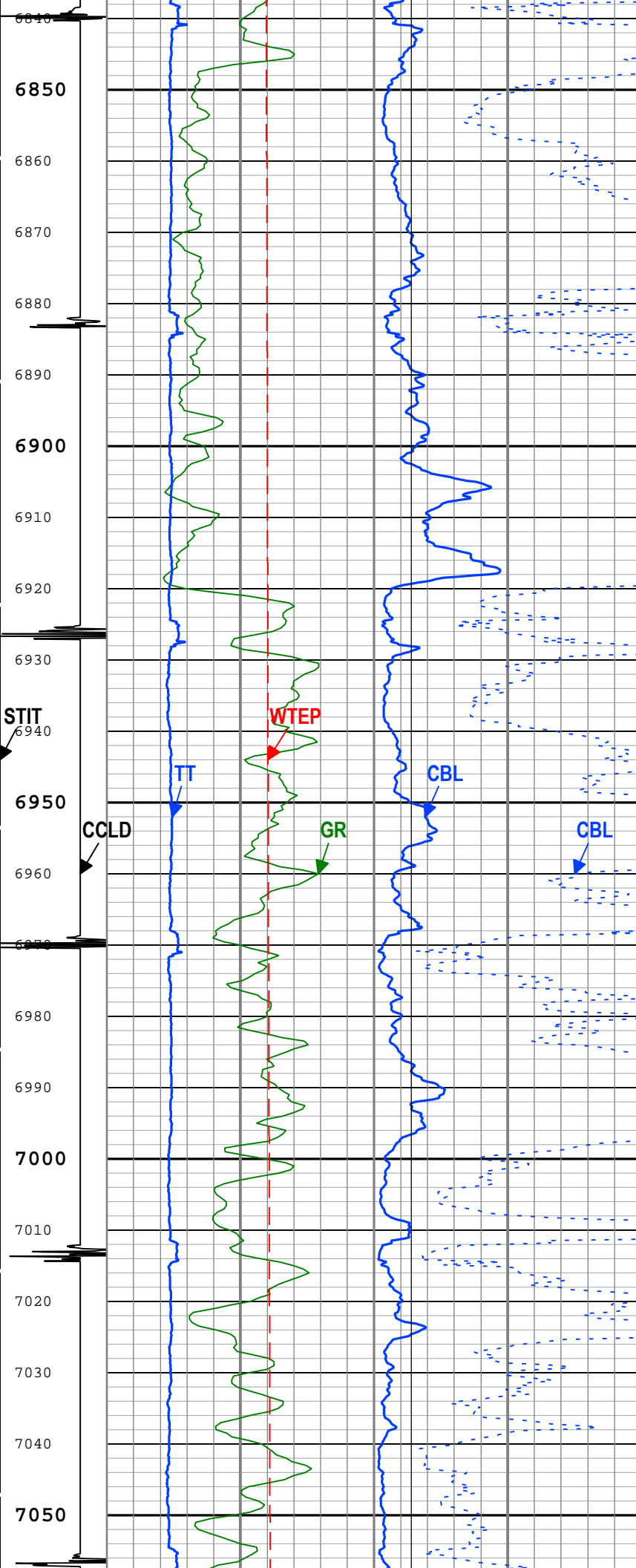


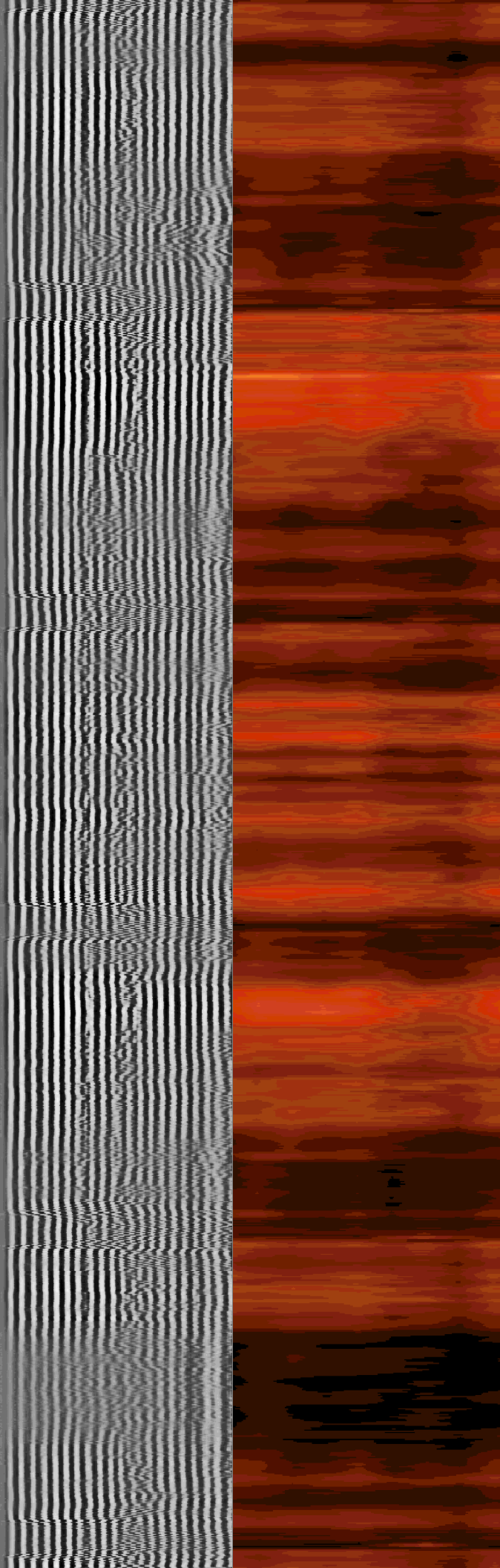
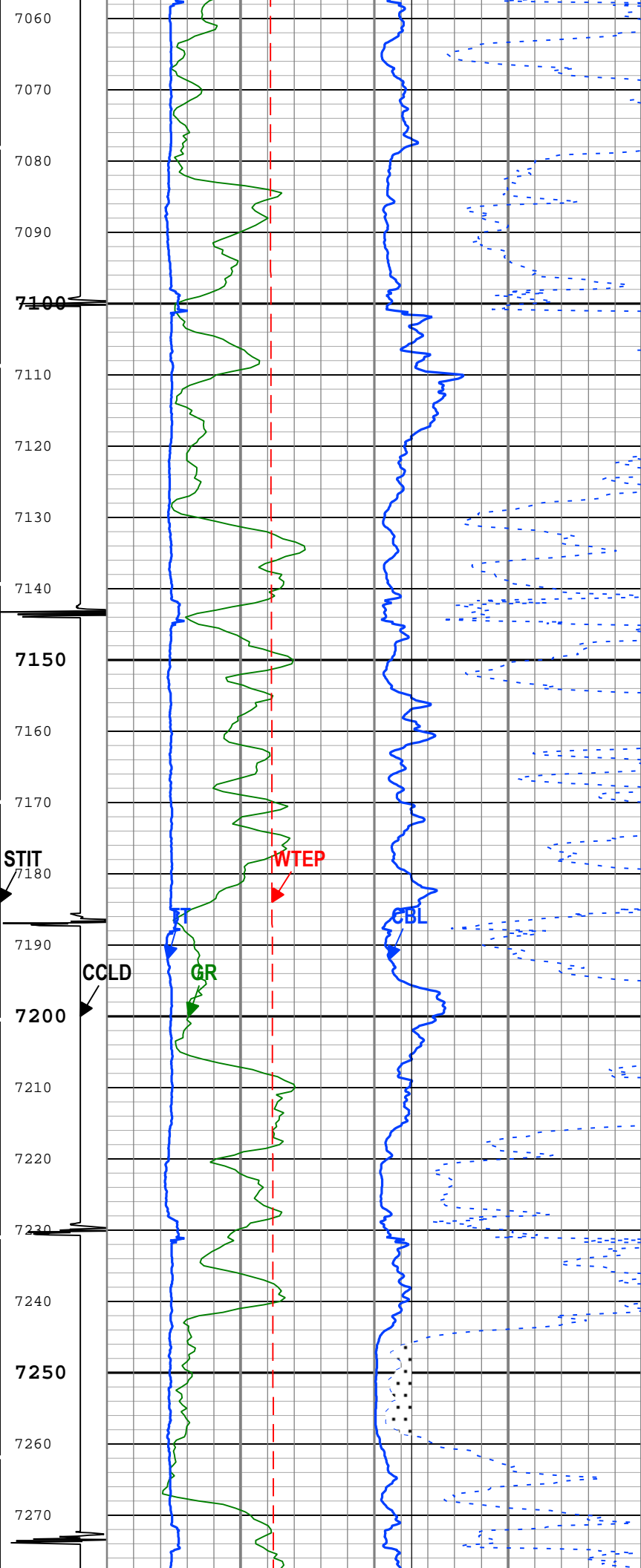


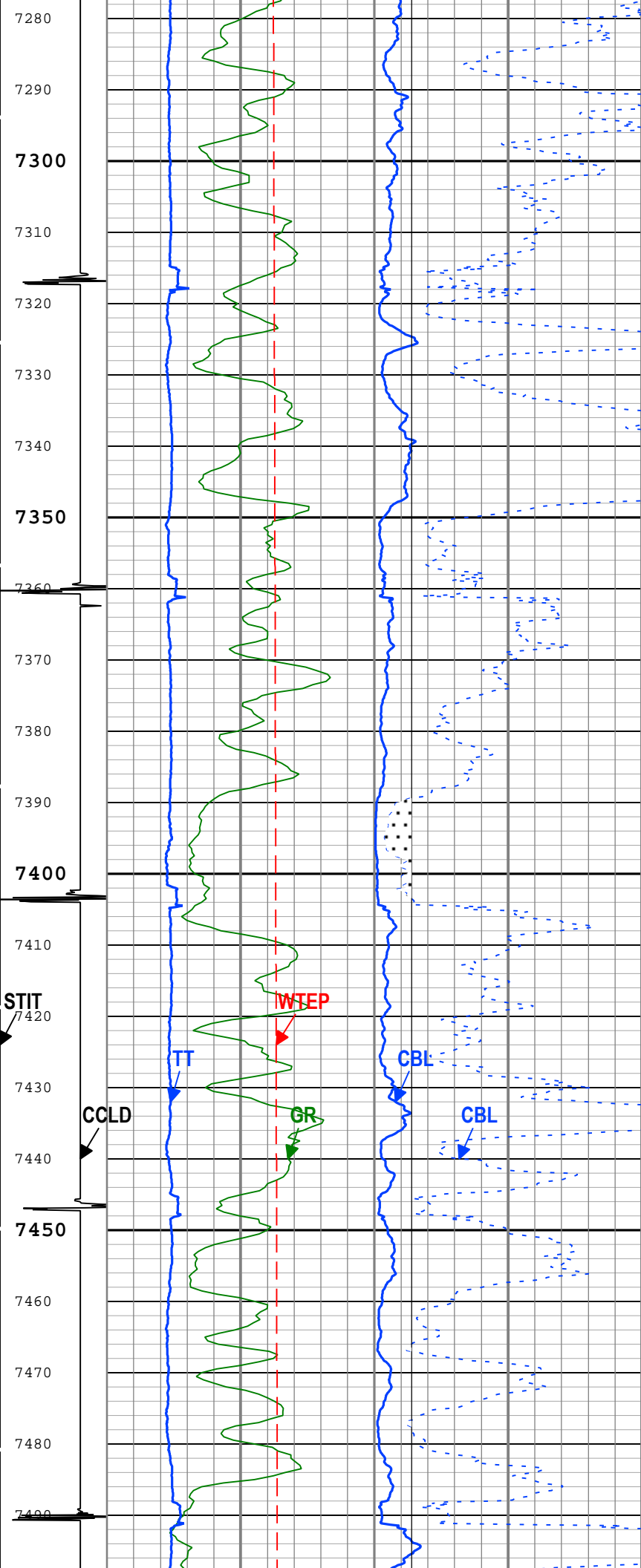


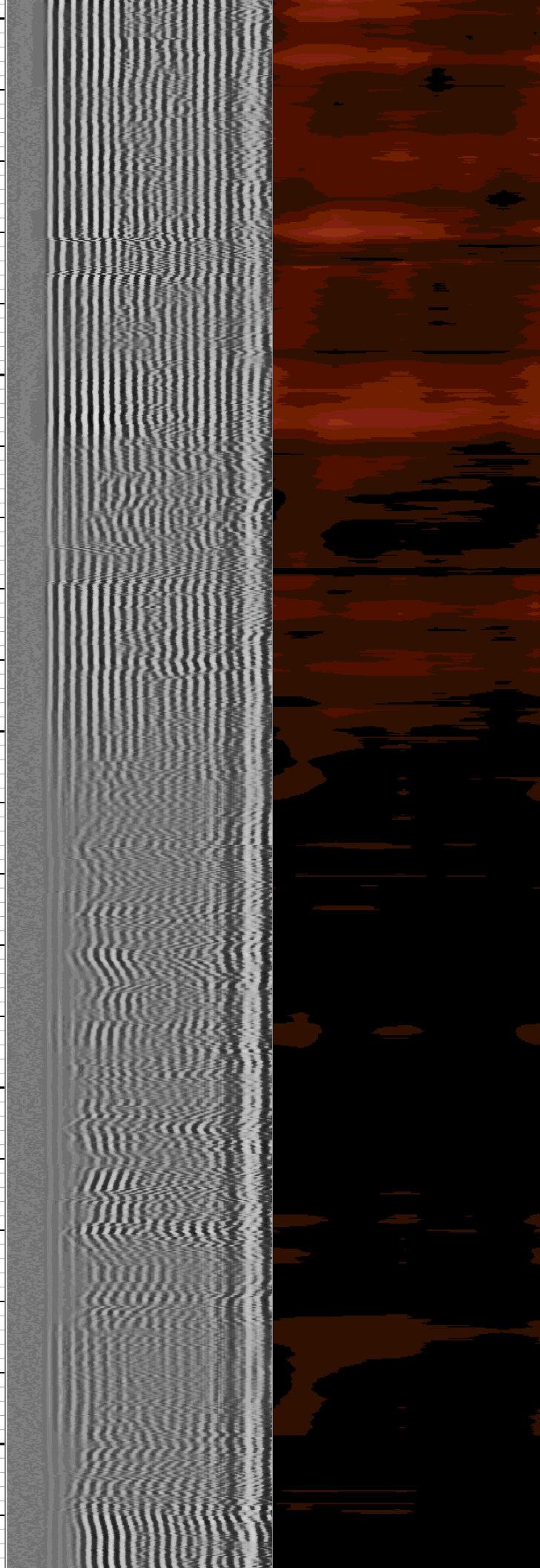
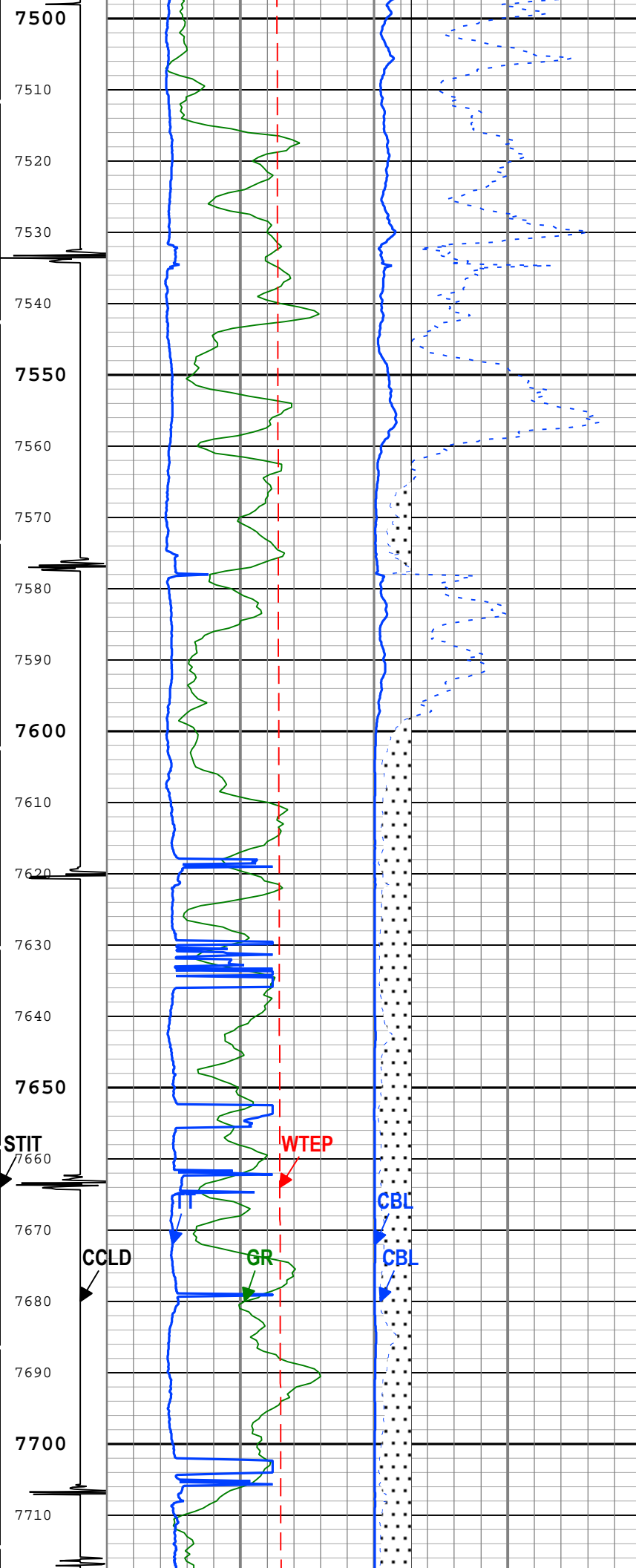


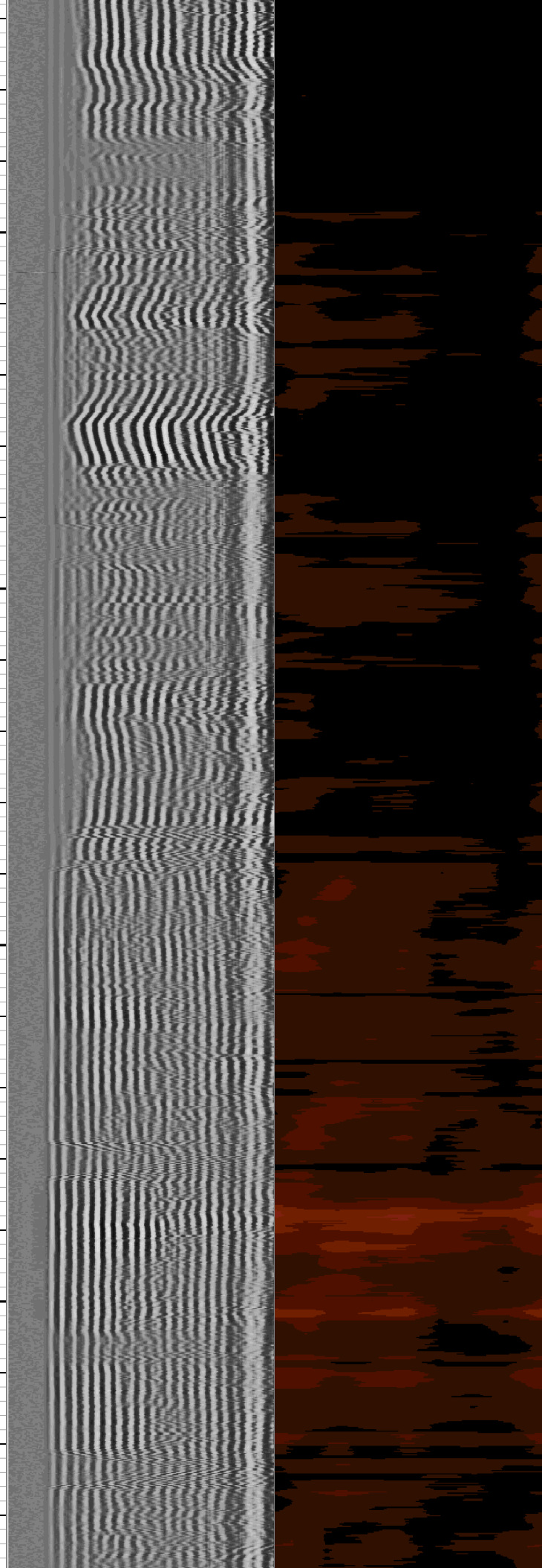
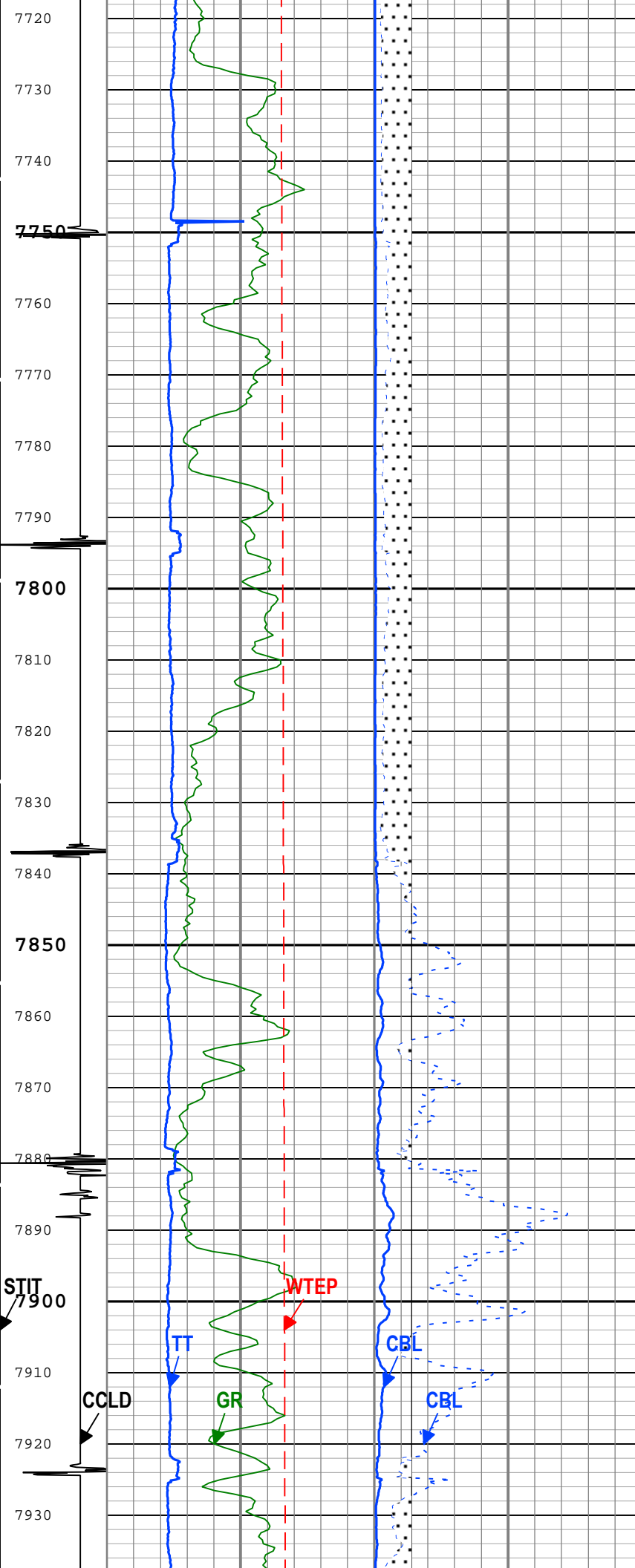


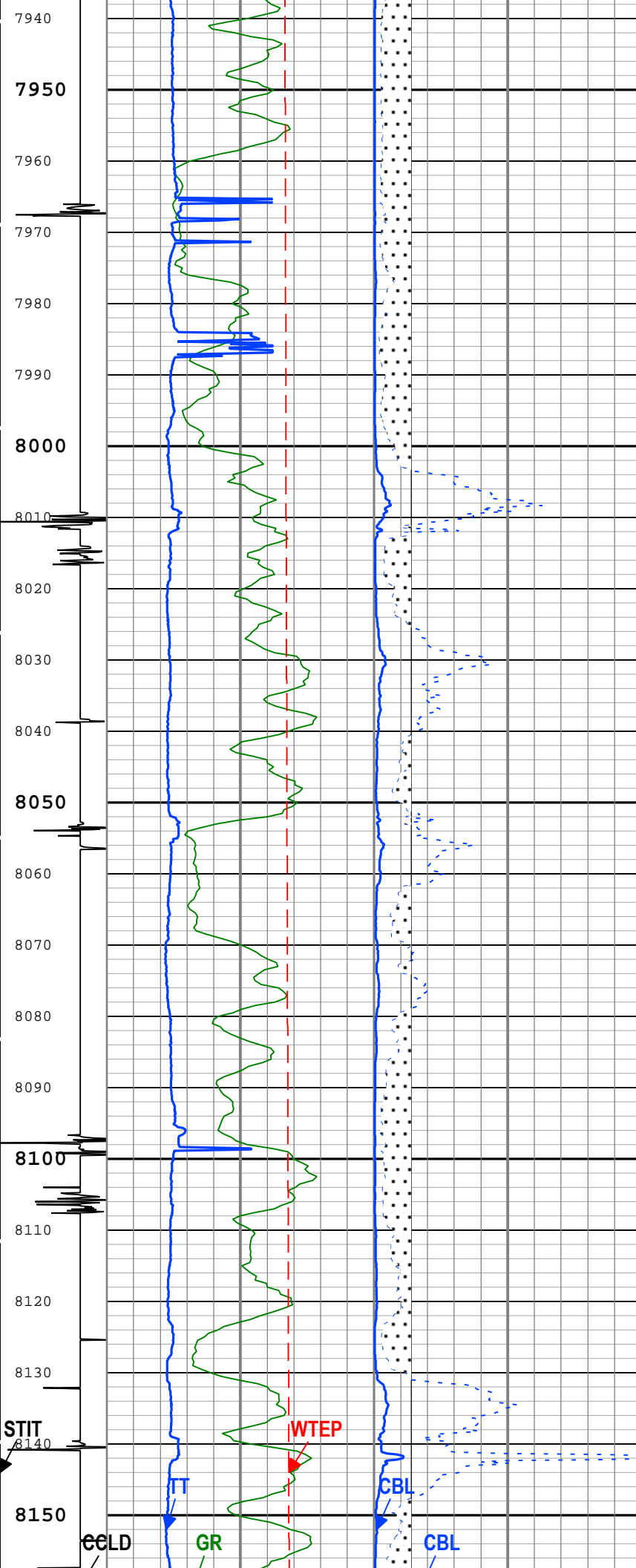


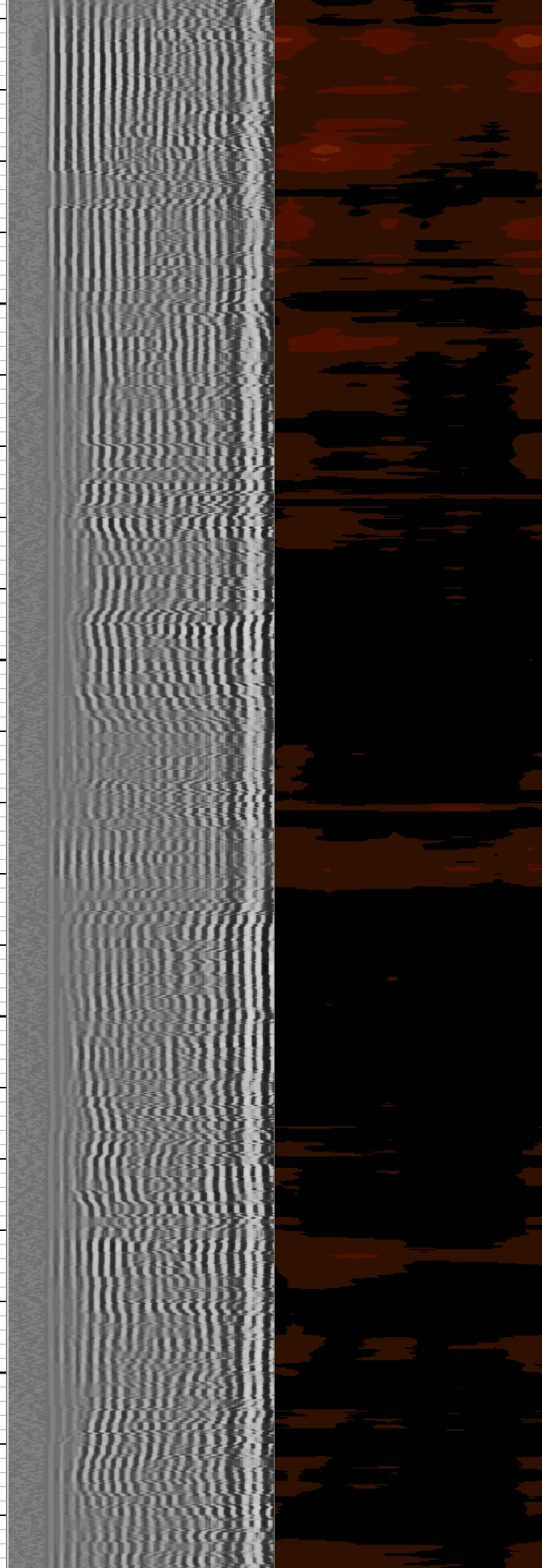
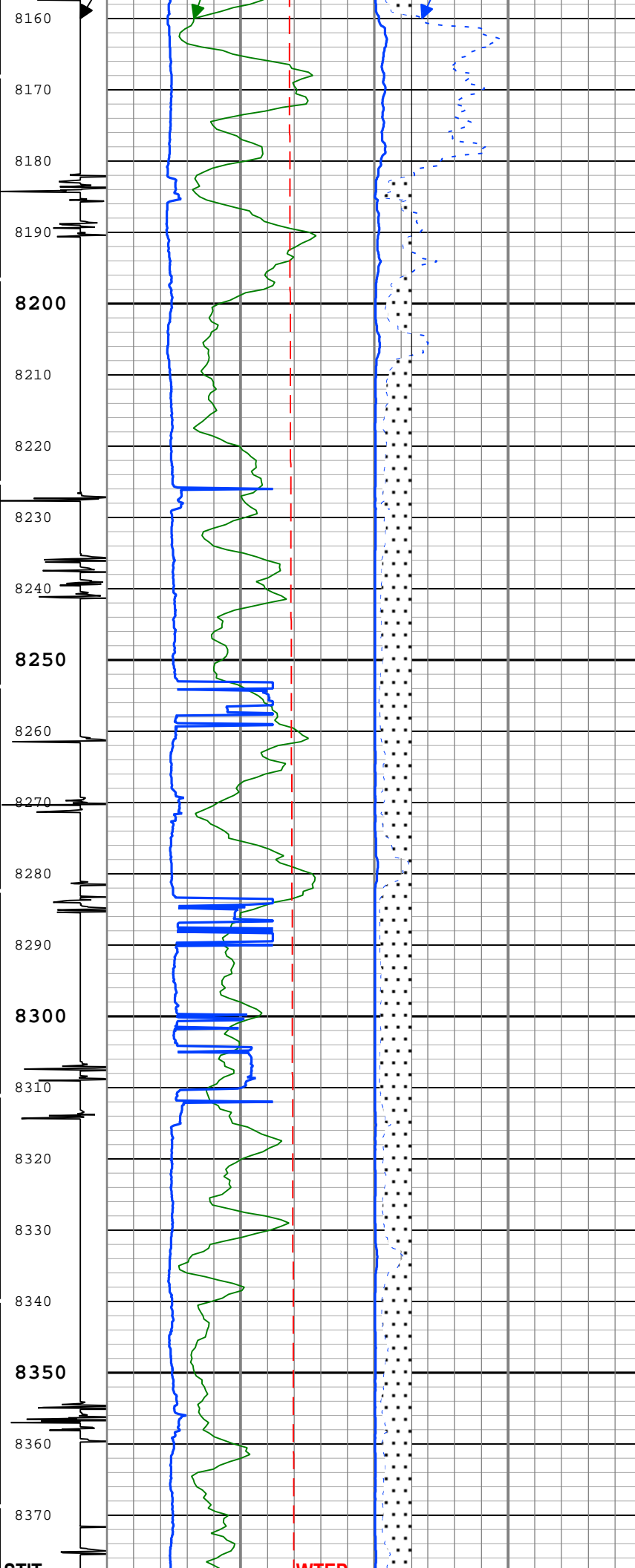


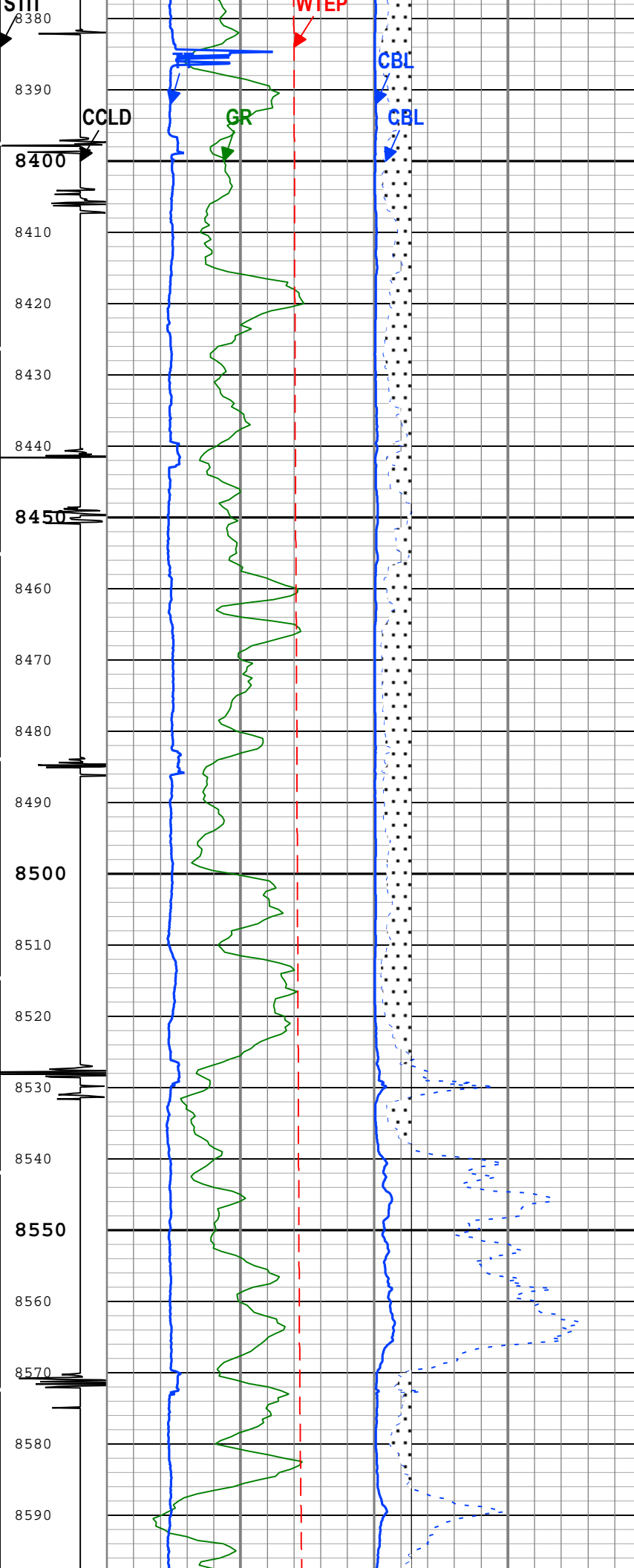


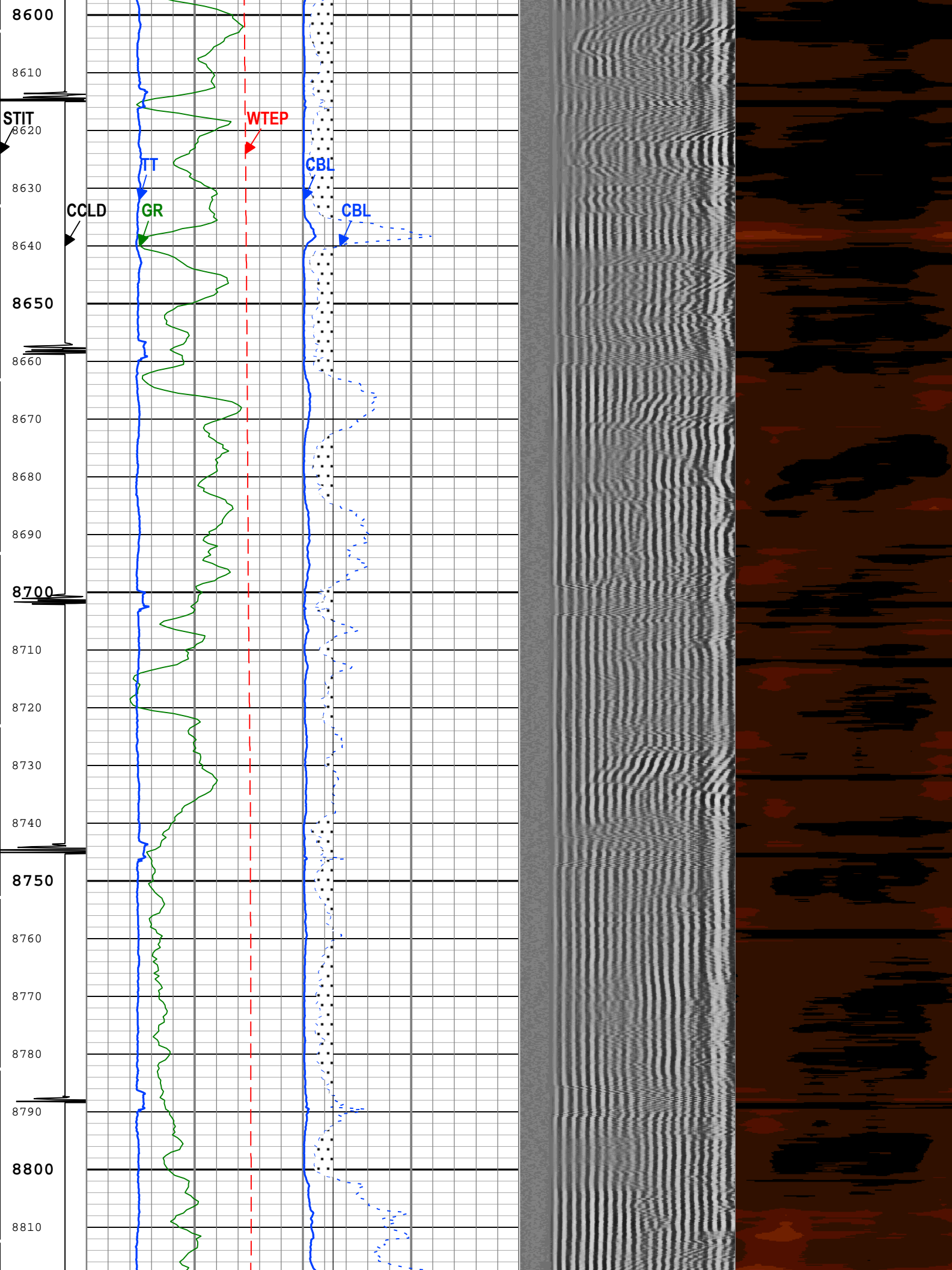


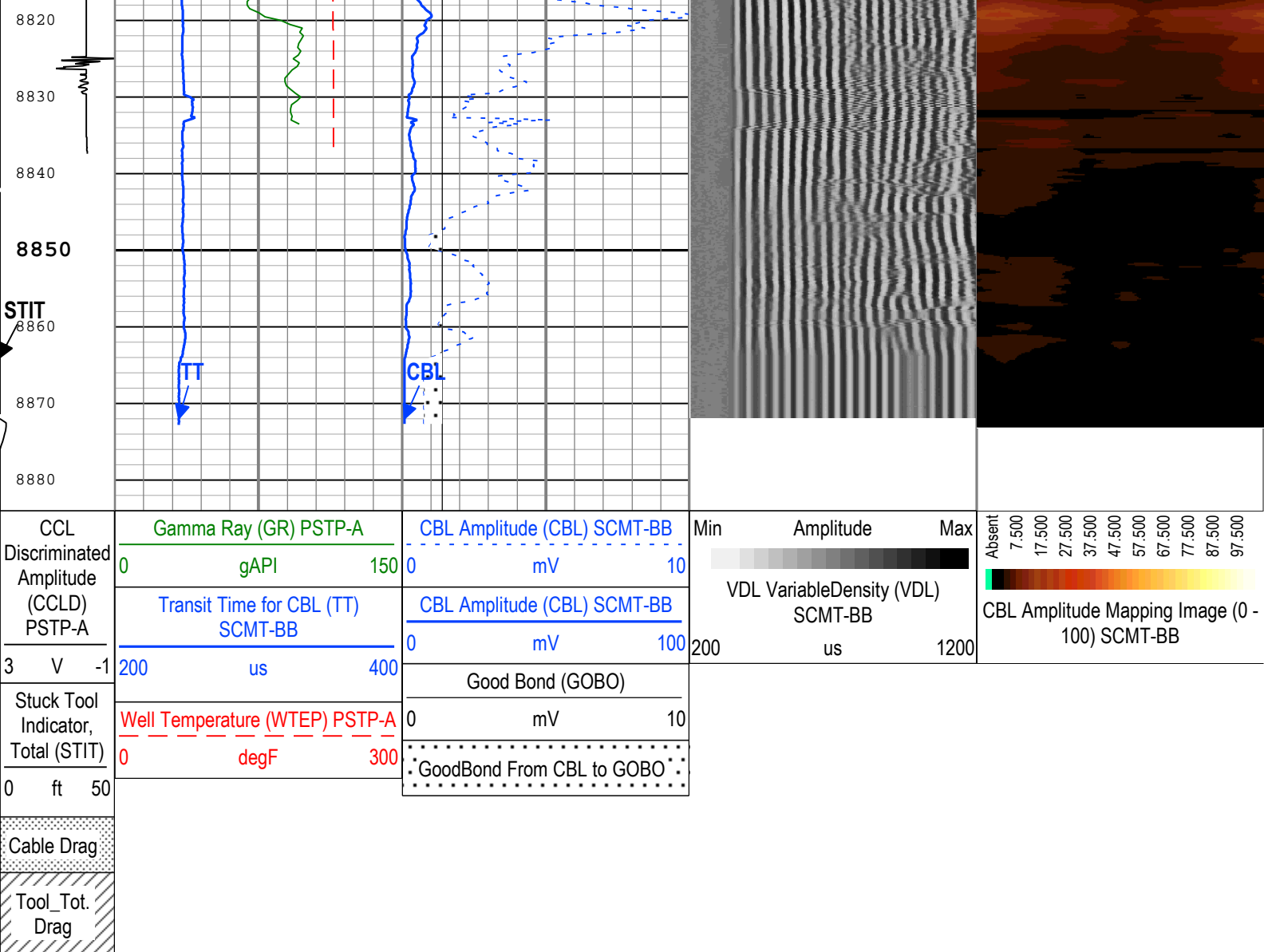












TIME_1900 - Time Marked every 60.00 (s)

Description: SCMT VDL Image Format: Log (SCMT_VDL_Image_1) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 05-Aug-2015 18:32:52

Channel Processing Parameters				
ONE: Parameters				
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	228	degF
CB3D	SCMT CBL 3 ft Peak Detection Mode	SCMT-BB	Peak	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-BB	224	us
CB3T	SCMT CBL 3 ft Fixed Threshold Level	SCMT-BB	20	mV
CBLG	CBL Gate Width	SCMT-BB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-BB	80	mV
CMCF	CBL Cement Type Compensation Factor	SCMT-BB	0.12	
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	196	us/ft
EDF	Elevation of Derrick Floor Above Permanent Datum	WLSESSION	30	ft
EPD	Elevation of Permanent Datum (PDAT) above Mean Sea Level	WLSESSION	8479	ft
ETEM	HP Estimated Temperature	PSTP-A	212	degF

FCF	CBL Fluid Compensation Factor	SCMT-BB	0.89	
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST	
MAPD	SCMT MAP Peak Detection Mode	SCMT-BB	Peak	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	SCMT-BB	167	us
MAPT	SCMT MAP Fixed Threshold Level	SCMT-BB	30	mV
MCCF	MAP Cement Type Compensation Factor	SCMT-BB	0.25	
MMSA	MAP Minimum Sonic Amplitude	SCMT-BB	3.98	mV
MSA	Minimum Sonic Amplitude	SCMT-BB	0.51	mV
PTCO	PBMS Pressure Temperature Correction Option	PSTP-A	Gauge Temperature	
PDAT	Permanent Datum	WLSESSION	GL	
RBC	Relative Bearing Correction Allow/Disallow	SCMT-BB	Allow	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
SHT	Surface Hole Temperature	Borehole	68	degF
TD	Total Measured Depth	Borehole	8874	ft
VDLG	VDL Manual Gain	SCMT-BB	5	

ONE: Parameters

ONE

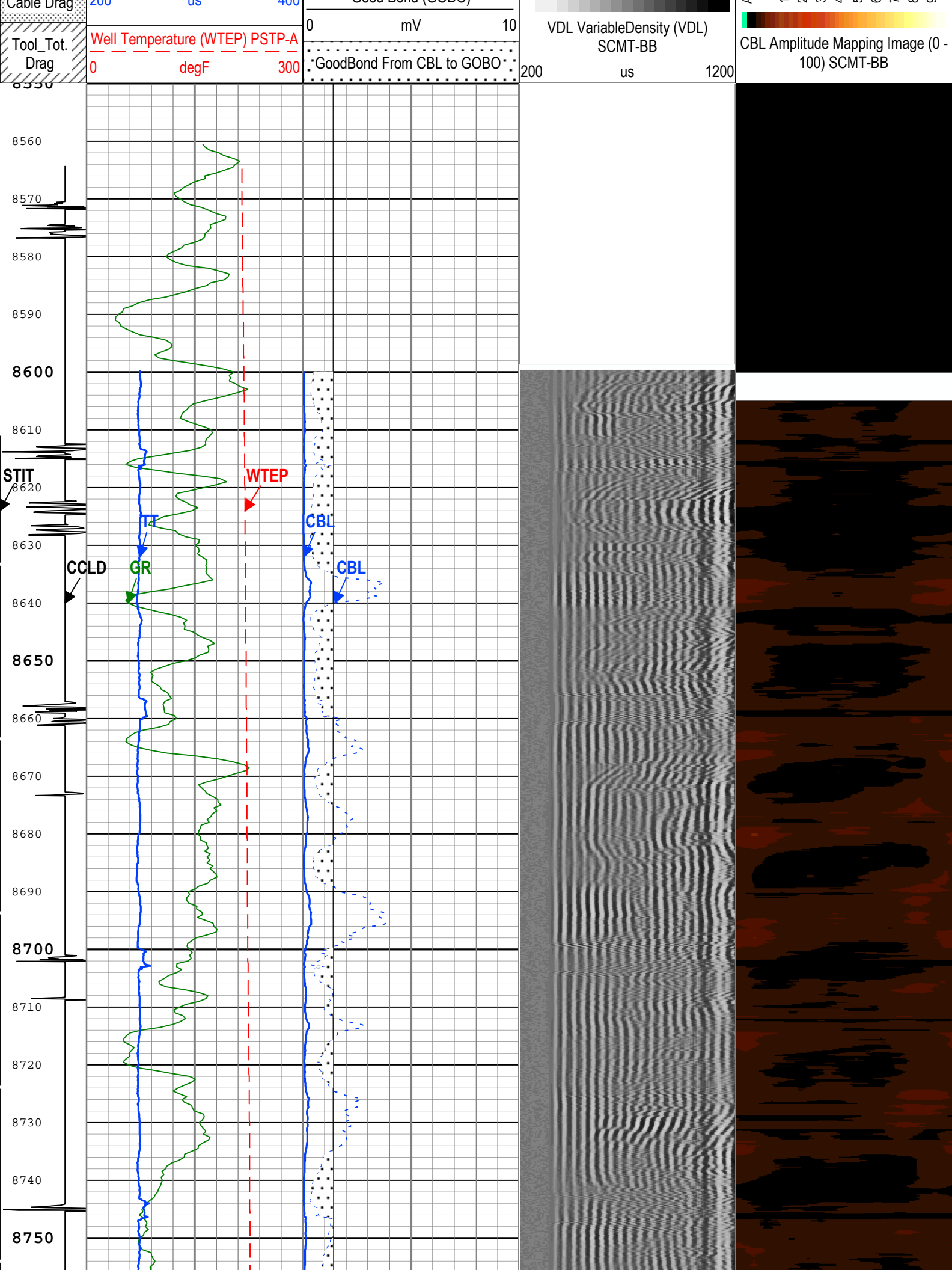
Software Version

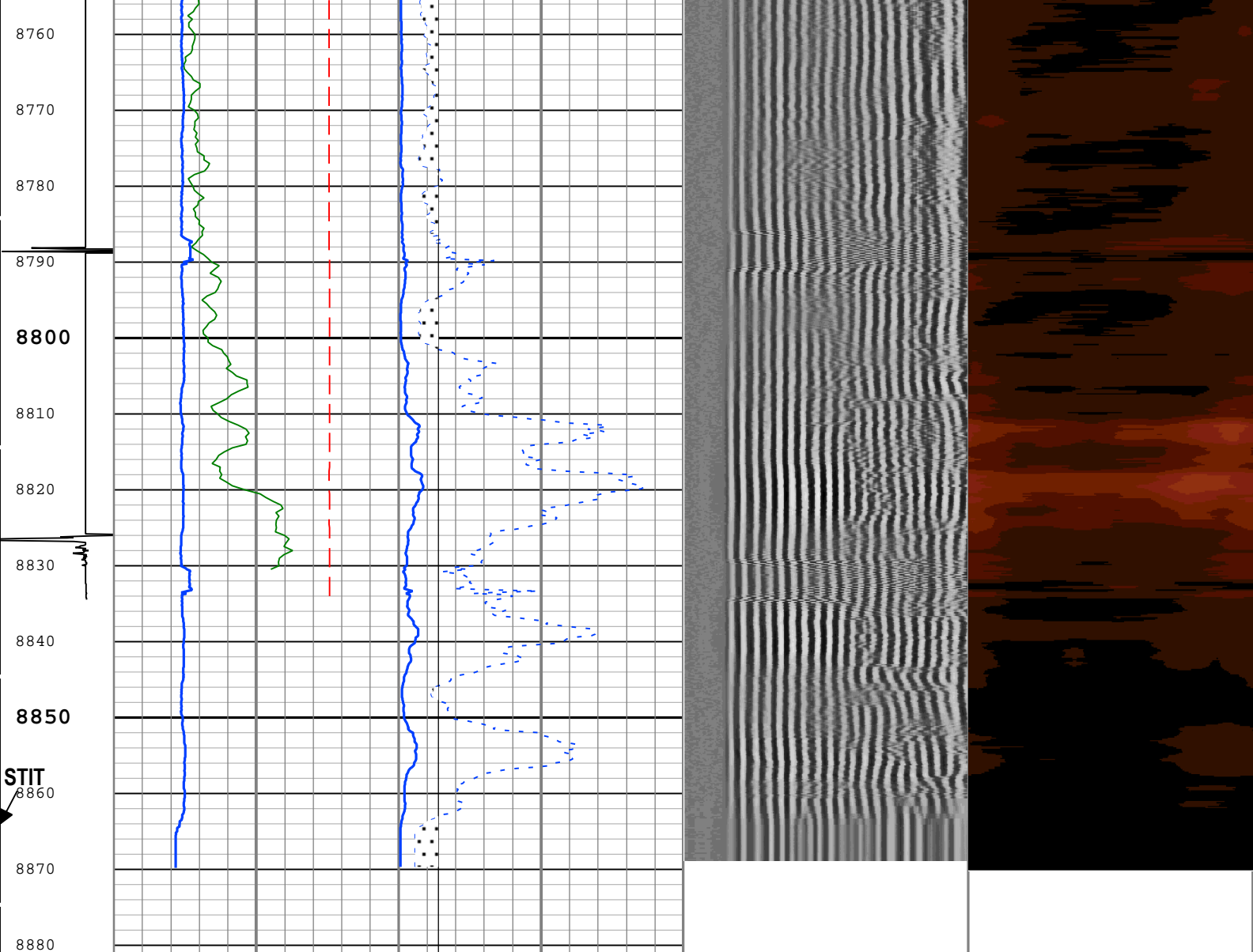
Pass Summary

All depths are referenced to toolstring zero

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: 05-Aug-2015 18:33:02					

[illegible]





CCL Discriminated Amplitude (CCLD) PSTP-A	Gamma Ray (GR) PSTP-A		CBL Amplitude (CBL) SCMT-BB		Min	Amplitude	Max	<div><div></div><div>Absent7,50017,50027,50037,50047,50057,50067,50077,50087,50097,500</div></div>
	0	gAPI150	0	mV10				
	Transit Time for CBL (TT) SCMT-BB		CBL Amplitude (CBL) SCMT-BB		200	us	1200	
3 V -1	200	us400	0	mV100	<div>CBL Amplitude Mapping Image (0 - 100) SCMT-BB</div>			
Stuck Tool Indicator, Total (STIT)		Good Bond (GOBO)						
Well Temperature (WTEP) PSTP-A		0 mV 10						
0		degF300						
0 ft 50		•GoodBond From CBL to GOBO•						
Cable Drag								
Tool_Tot. Drag								

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: 05-Aug-2015 18:33:02

Channel Processing Parameters				
ONE: Parameters				
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	228	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-BB	224	us

CBLG	CBL Gate Width	SCMT-BB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-BB	80	mV
CMCF	CBL Cement Type Compensation Factor	SCMT-BB	0.12	
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	196	us/ft
EDF	Elevation of Derrick Floor Above Permanent Datum	WLSESSION	30	ft
EPD	Elevation of Permanent Datum (PDAT) above Mean Sea Level	WLSESSION	8479	ft
FCF	CBL Fluid Compensation Factor	SCMT-BB	0.89	
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	SCMT-BB	167	us
MCCF	MAP Cement Type Compensation Factor	SCMT-BB	0.25	
MMSA	MAP Minimum Sonic Amplitude	SCMT-BB	3.98	mV
MSA	Minimum Sonic Amplitude	SCMT-BB	0.51	mV
PDAT	Permanent Datum	WLSESSION	GL	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
SHT	Surface Hole Temperature	Borehole	68	degF
TD	Total Measured Depth	Borehole	8874	ft

Tool Control Parameters

ONE: Parameters				
Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-BB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h

Calibration Report

SCMT-BB (Slim Cement Mapping Tool, 1-11/16 OD) Calibration - Run ONE							
Primary Equipment : Slim Cement Mapping SondeSCMS-BB8002							
CBL and MAP Amplitude Adjustment - Measurements							
Before (Manual Entry):		18:25:35 05-Aug-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div> <div></div>
CBL Amplitude - 0	mV	Before	----	----	----	----	<div></div> <div></div>
Average MAP Amplitude (Fluid Compensated) - 0	mV	Before	----	----	----	----	<div></div> <div></div>
Measurement Depth - 0	ft	Before	----	----	----	----	<div></div> <div></div>
CBL and MAP Amplitude Adjustment - Coefficients							
Before (Manual Entry):		18:25:35 05-Aug-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div> <div></div>
CBL Adjustment Factor		Before			0.950		<div></div> <div></div>
CBL LQC Reference Amplitude in Free Pipe	mV	Before			80.00		<div></div> <div></div>
MAP Adjustment Factor		Before			1.009		<div></div> <div></div>
Depth of Before Calibration	ft	Before			2106.94		<div></div> <div></div>

PSTP-A (PSP Telemetry Platform A - Sapphire) Calibration - Run ONE		
Primary Equipment : PBMS-APBMS-A1963		
Calibration Parameter : JIG-BKGD (Jig minus background reference)150		

PBMS Well Temp Master Calibration

Master (EEPROM): 00:00:00 12-May-2005

PBMS_RTD_THERM (Master) RTD Coefficients

	Tt**0	Tt**1	Tt**2	Tt**3	Tt**4	Tt**5
Tt**0	-1418.501	1118.407	-362.1241	56.89739	-3.317989	0

PBMS Gamma Ray Master Calibration

Master (EEPROM): 00:00:00 01-Dec-2003

PBMS_GR_MODEL (Master) GR Coefficients

	Rt**0	Rt**1
Rt**0	2000	4740

PBMS A Reference Clock Master Calibration

Master (EEPROM): 00:00:00 12-May-2005

PBMS_REF_CLOCK (Master) PBMS A Clock Coefficients

	Temp**0	Temp**1	Temp**2	Temp**3	Temp**4	Temp**5
Temp**0	45.0069	-9.445683	-0.02744274	0.0002354008	3.654205E-06	0

PBMS A Sapphire Master Calibration

Master (EEPROM): 00:00:00 12-May-2005

PBMS_P_GAUGE_PRES (Master) Sapphire Pressure Model Coefficients

	Tt**0	Tt**1	Tt**2	Tt**3	Tt**4	Tt**5
Tp**0	4187.029	-3429.79	773.3541	-119.1729	7.244876	0
Tp**1	698.9312	545.2234	21.97955	-3.948855	0.2235462	0
Tp**2	-6.430802	9.633142	-3.005254	0	0	0
Tp**3	-2.550163	0.6971294	0	0	0	0
Tp**4	0	0	0	0	0	0
Tp**5	0	0	0	0	0	0

PBMS_P_GAUGE_TEMP (Master) Sapphire Temperature Model Coefficients

	Tp**0	Tp**1	Tp**2	Tp**3	Tp**4	Tp**5
Tt**0	-293.9637	10.31608	-5.693609	1.308318	-0.1107738	0
Tt**1	63.53009	-2.347224	1.230874	-0.2610083	0.02165993	0
Tt**2	8.593975	0.03386374	-0.01621674	0	0	0
Tt**3	-0.487141	0.005250175	0	0	0	0
Tt**4	0	0	0	0	0	0
Tt**5	0	0	0	0	0	0

Well:	Puckett 42B-2
Field:	Wildcat
County:	Garfield
State:	Colorado

Slim Cement Mapping Tool
CBL-VDL