

Company: Caerus Operating LLC

Well: NPR 15B-10 596

Field: NPR

County: Garfield State: Colorado

Cement Bond Log

RST Sigma Log

Gamma Ray / Collar Locator Log

County: Garfield
Field: NPR
Location: K10-596
Well: NPR 15B-10 596
Company: Caerus Operating LLC

K10-596	Location:		Elev.: K.B. 6733.00 ft G.L. 6709.00 ft D.F.	
	Permanent Datum:	Ground Level	Elev.: 6709.00 f	
05045237840000	Log Measured From:	Kelly Bushing	24.00 ft	above Perm.Datum
	Drilling Measured From:	Kelly Bushing		
API Serial No.	Section:	10	Township:	Range:
			5S	96W

Logging Date 14-Sep-2018

Run Number One

Depth Driller 9605.00 ft

Schlumberger Depth 9565.00 ft

Bottom Log Interval 9565.00 ft

Top Log Interval 1900.00 ft

Casing Fluid Type 2% KCL Water

Salinity

Density 8.5 lbm/gal

Fluid Level 8.00 ft

BIT/CASING/TUBING STRING

Bit Size 8.75 in

From 2070.00 ft

To 9565.00 ft

Casing/Tubing Size 4.5 in

Weight 11.6 lbm/ft

Grade P110

From 0.00 ft

To 9565.00 ft

Max Recorded Temperatures 274.5 degF

Logger on Bottom 14-Sep-2018 16:30:00

Unit Number 3007 Location: Roma Shalia/Albert Evanson, WY

Recorded By Trent Ray

Disclaimer

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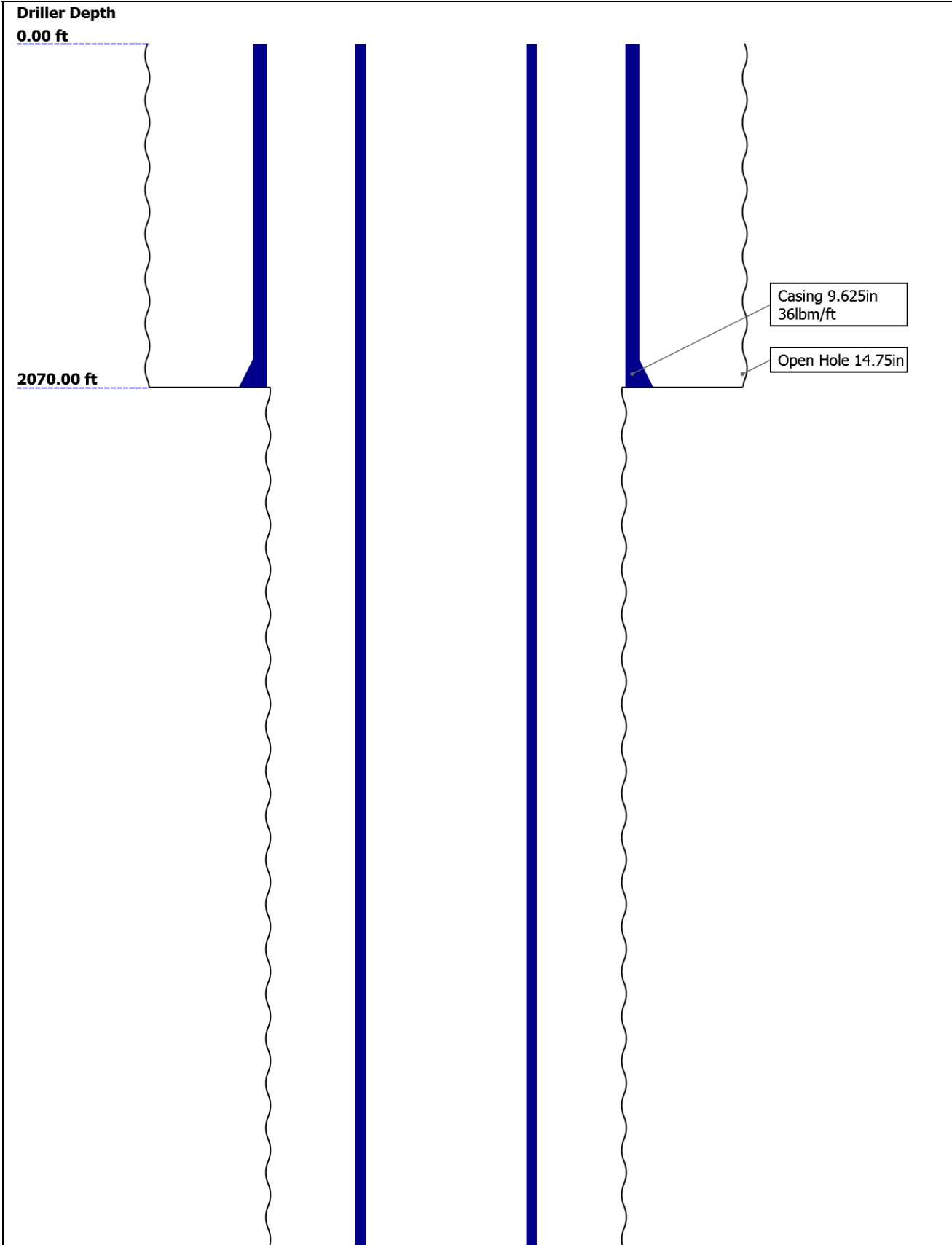
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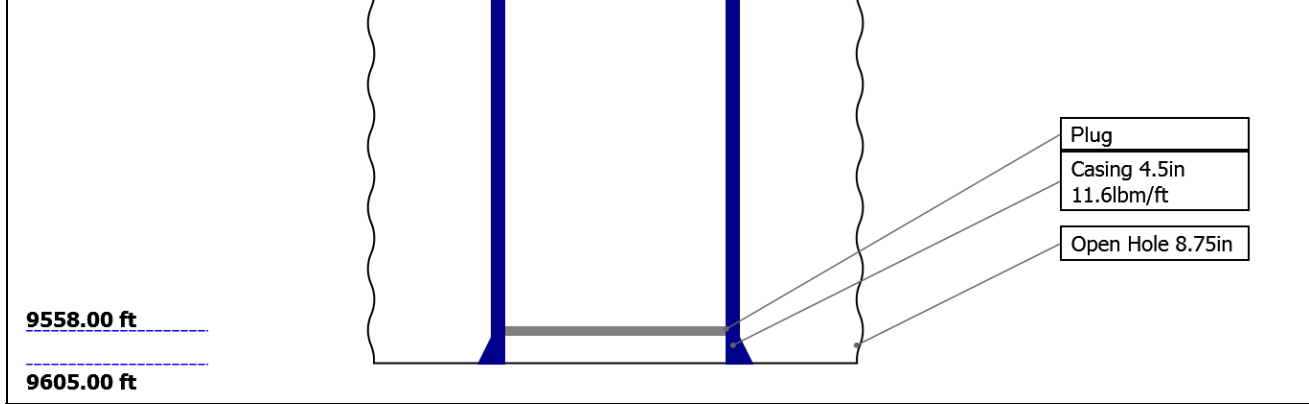
- Header
- Disclaimer
- Contents
- Well Sketch
- Borehole Size/Casing/Tubing Record
- Remarks and Equipment Summary
- Depth Summary
- one Main Pass
 - Integration Summary
 - Software Version
 - Composite Summary
 - Log (Sonic CBL with VDL)
 - Parameter Listing
- one Repeat Pass
 - Integration Summary
 - Software Version
 - Composite Summary

- Parameter Listing
- one Repeat Pass
 - Integration Summary
 - Software Version
 - Composite Summary
 - Log (RST SIGMA Answer)
 - Parameter Listing
- Tail

- 9.4 Log (Sonic CBL with VDL)
- 9.5 Parameter Listing
- 10. one Main Pass
 - 10.1 Integration Summary
 - 10.2 Software Version
 - 10.3 Composite Summary
 - 10.4 Log (RST SIGMA Answer)

Well Sketch





Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	14.75	8.75				
Top Driller (ft)	0	2070				
Top Logger (ft)	0	2070				
Bottom Driller (ft)	2070	9605				
Bottom Logger (ft)	2070	9565				
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)	2070	9605				
Bottom Logger (ft)	2070	9565				

Remarks and Equipment Summary

one: Toolstring				one: Remarks
Equip name	Length	MP name	Offset	Toolstring run as per toolsketch.
PEH-E	61.66			RST Mode Sigma
				Matrix Sandstone.
AH-38	59.98			Max recorded Temp 274.5
PSTP-B:282	59.7			SLB Depth 9565
6				Thank You For Choosing Schlumberger!
PSC-A				
PSTC-A				
PBMS-B:2826				
		GR	55.99	
		PSTC	55.7	
		PSTC Tool	0.00	
		String Bot		
		tom		
		Temperatu	52.94	
		re		
		CQG Press	52.6	
		ure		
		CCL	52.18	
		PBMS	51.43	
RST-C:578	51.43			
RSCH-A:437				
RSC-E:551				
RSS-A:488				
MNTR-F:1352				
-51352				
RSXH-A				
RSX-E:578				
		RSC-E	45.07	

— Far 42.31
— Near 41.81

PPAT-A:744 28.41 RSX-E 28.41
744

SCMT-HC:82 26.49
25
UDFH-RMC:8
020
SCMC-HC:822
5
SCME-K
SCMS-CA:822
5
UDFH-RMT:80
24
SCMX-HC:803
9

— DT 14.03

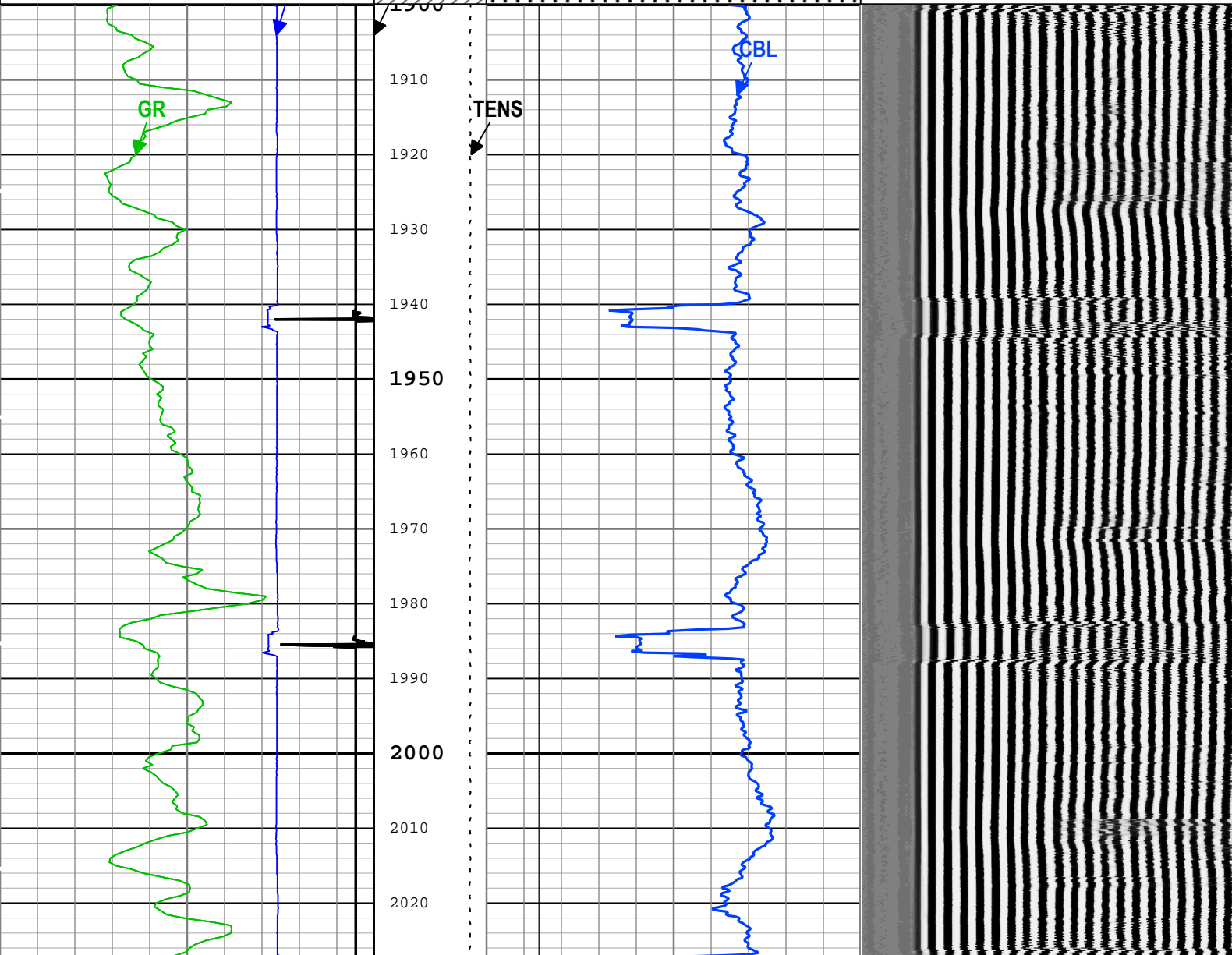
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DTSC 12.53

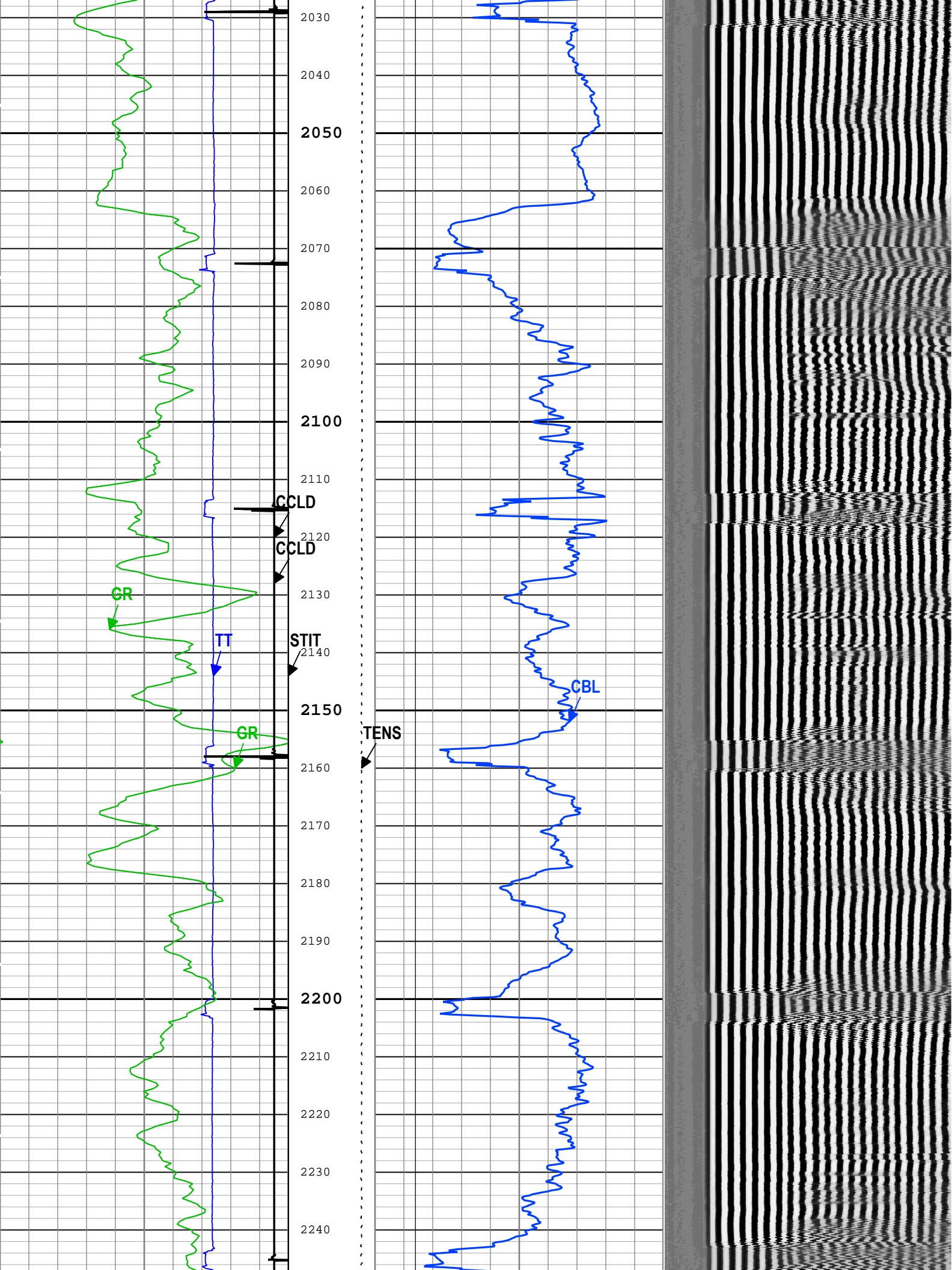
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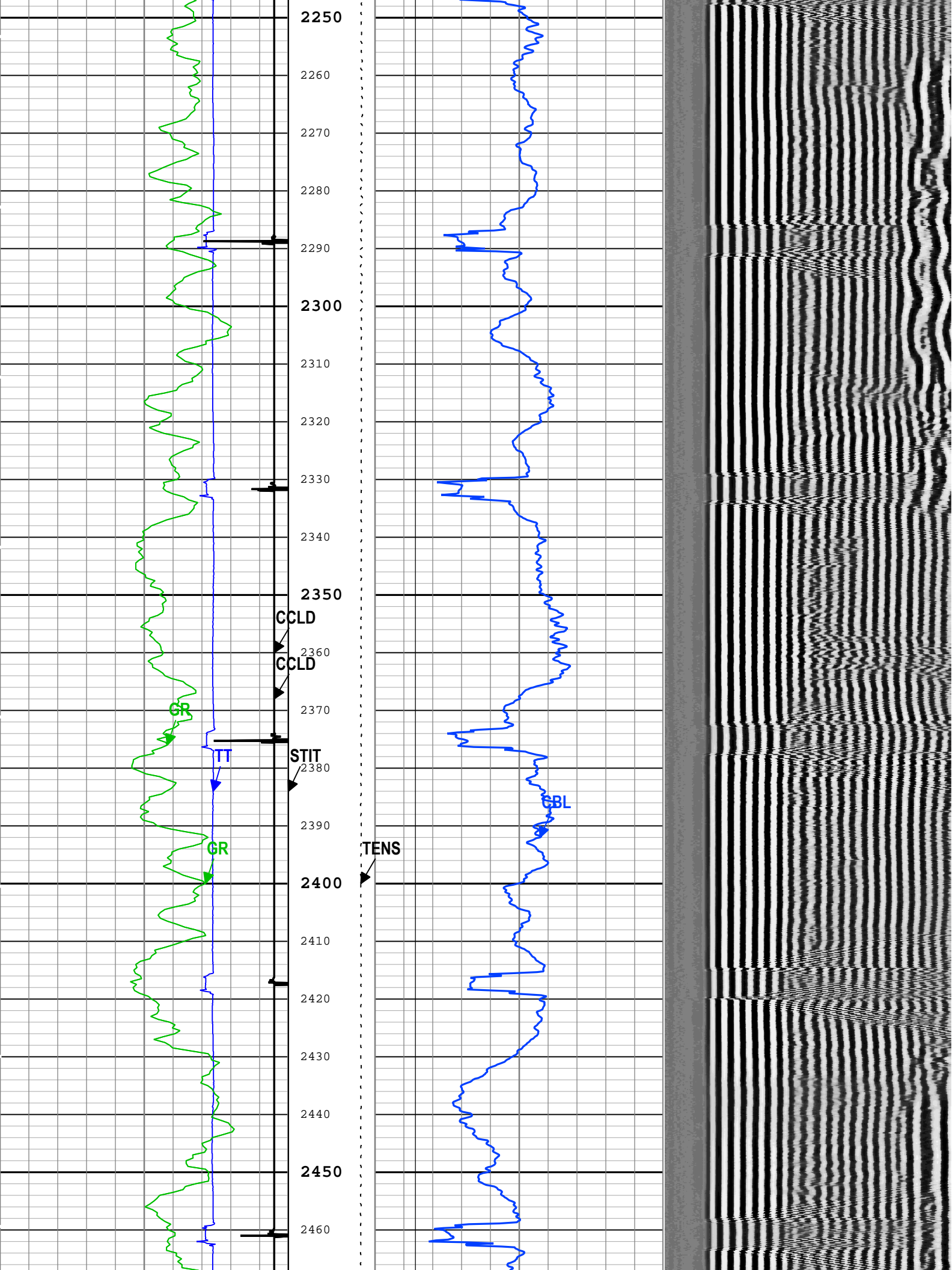
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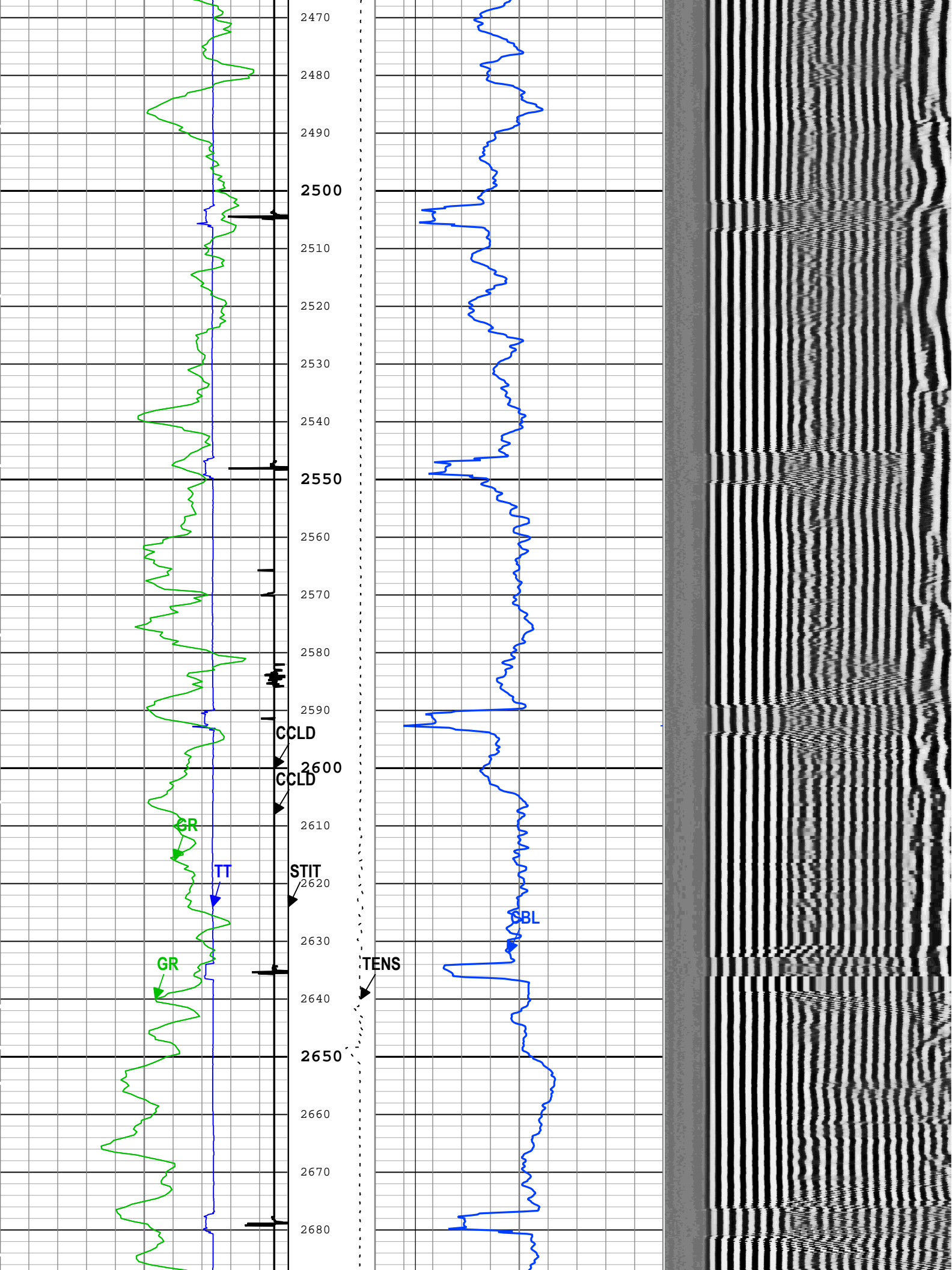
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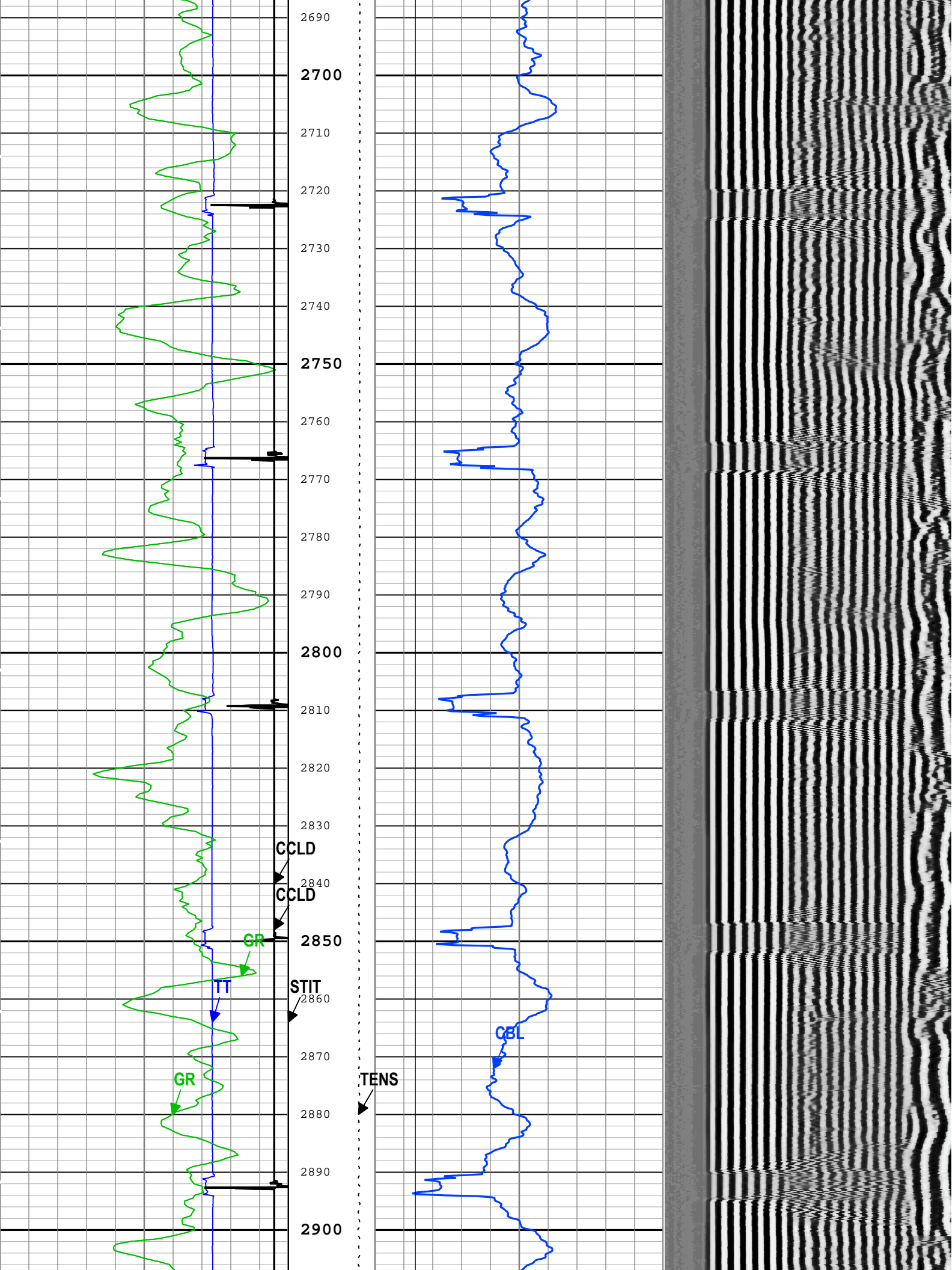
<div><div><div>BNS-P</div><div>0.14</div></div><div><div><div></div><div>TOOL_ZERO</div></div><div>Lengths are in ft</div><div>Maximum Outer Diameter = 2.065 in</div><div>Line: Sensor Location, Value: Gating Offset</div><div>All measurements are relative to TOOL_ZERO</div></div></div>											
Depth Summary											
		one									
Depth Measuring Device											
Type		IDW-JA									
Serial Number		5979									
Calibration Date		10-JUN-2017									
Calibrator Serial Number		IDWC-C-57									
Calibration Cable Type		1-25ZA-XXS									
Wheel Correction 1		-3									
Wheel Correction 2		-3									
Tension Device											
Type		CMTD-B/A									
Serial Number		5036									
Calibration Date		10-Sep-2018									
Calibrator Serial Number		112544A									
Number of Calibration Points		10									
Calibration Root Mean Square Error		21									
Calibration Peak Error		10									
Logging Cable											
Type		1-25ZA									
Serial Number		112140									
Length		16800.00 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 policies followed.						
Rig Up Length At Surface					IDW used for primary depth control.						
Rig Up Length At Bottom					Zchart used for secondary depth control.						
Rig Up Length Correction											
Stretch Correction											
Tool Zero Check At Surface											
one											
Main Pass											
Software Version											
Acquisition System						Version					
Maxwell 2018 SP1						8.1.99839.3100					
Application Patch						Wireline_Hotfix-Mandatory-2018SP1_8.1.102865					
Pass Summary											
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include		

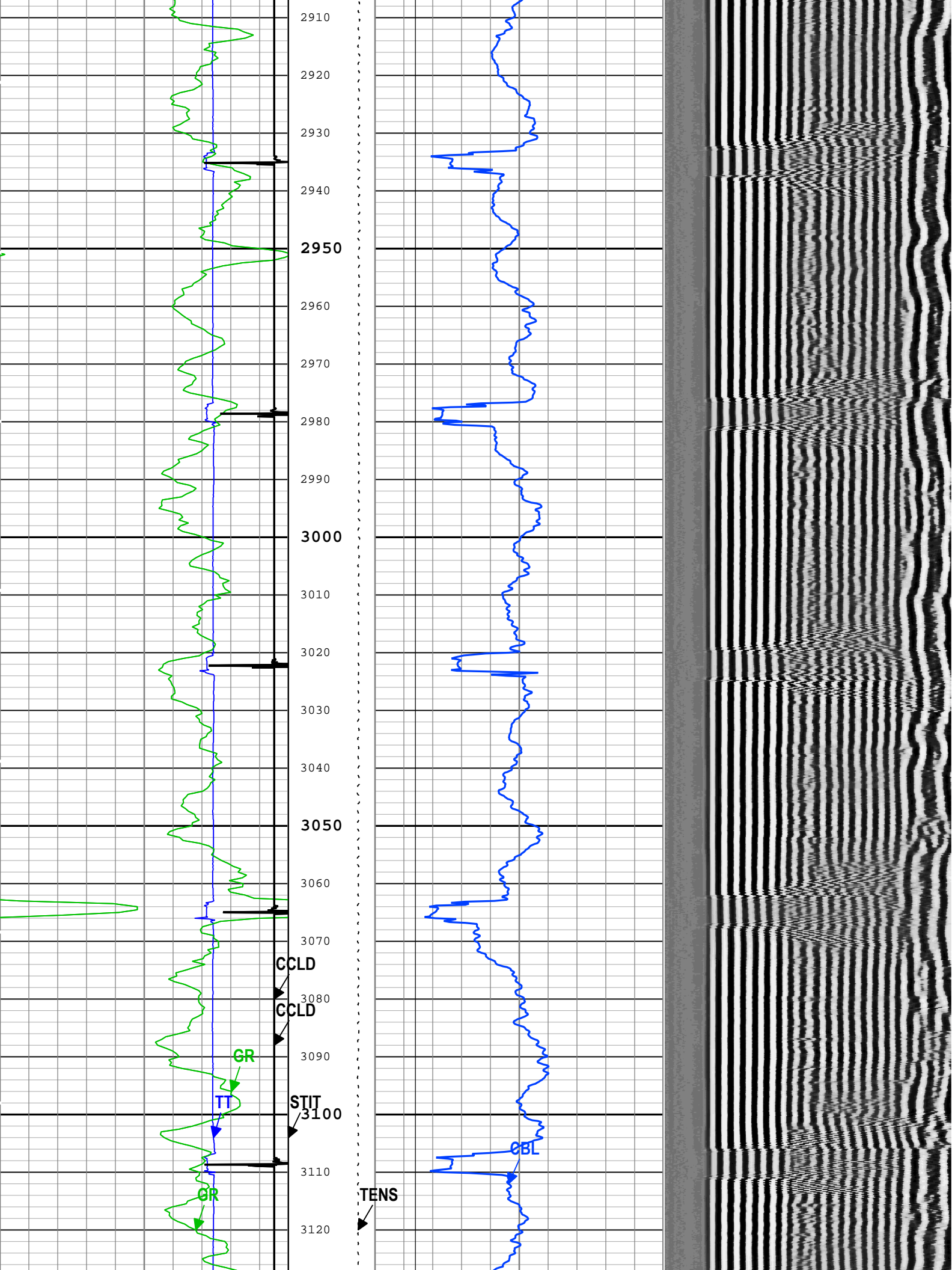


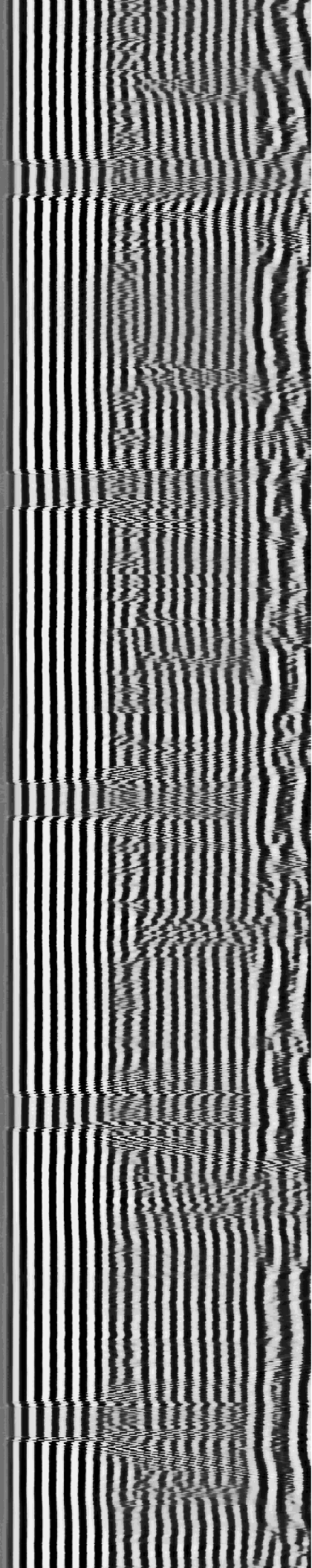
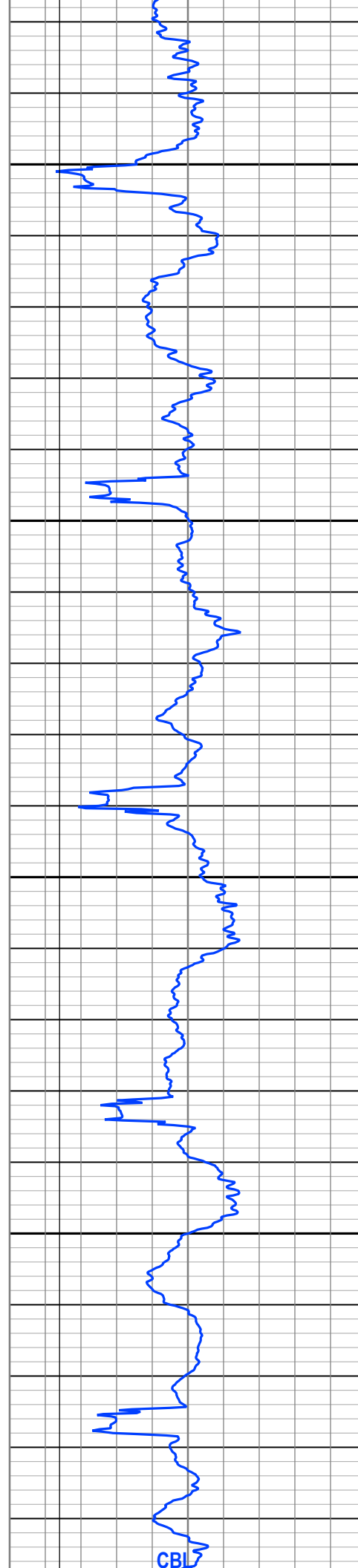
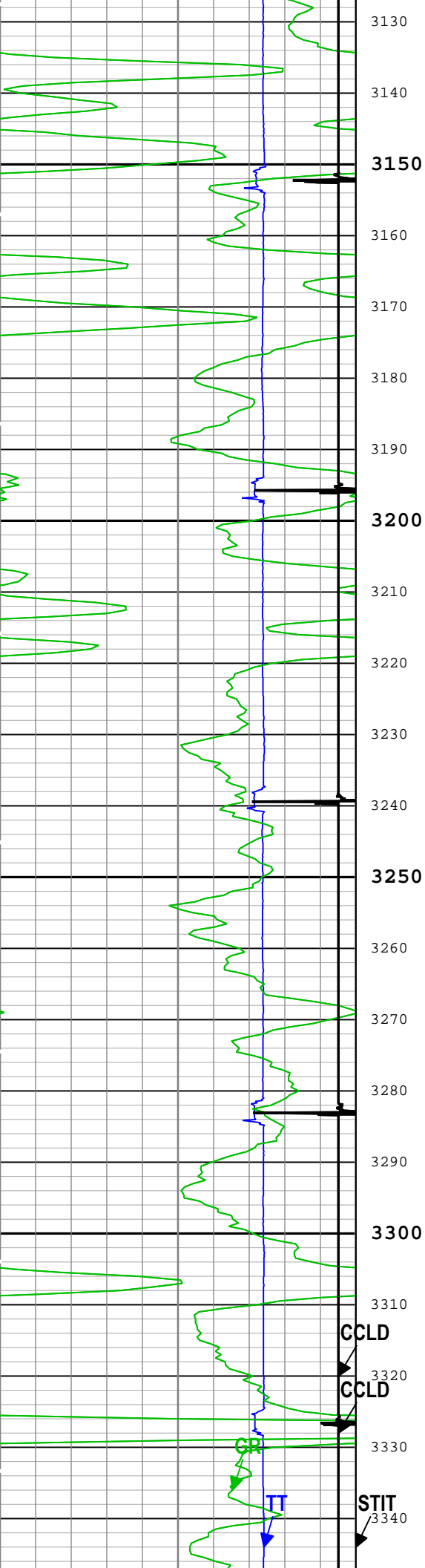


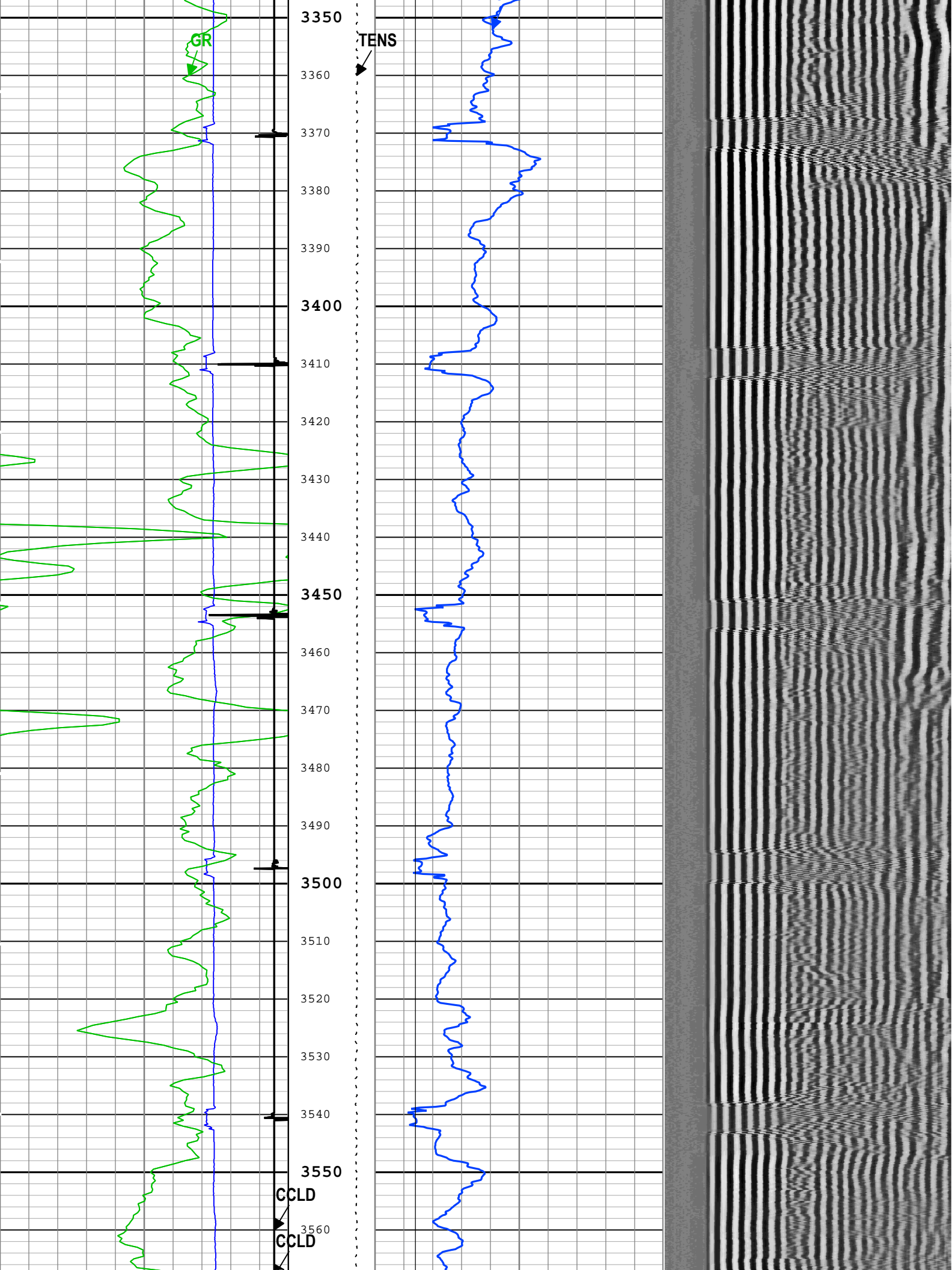


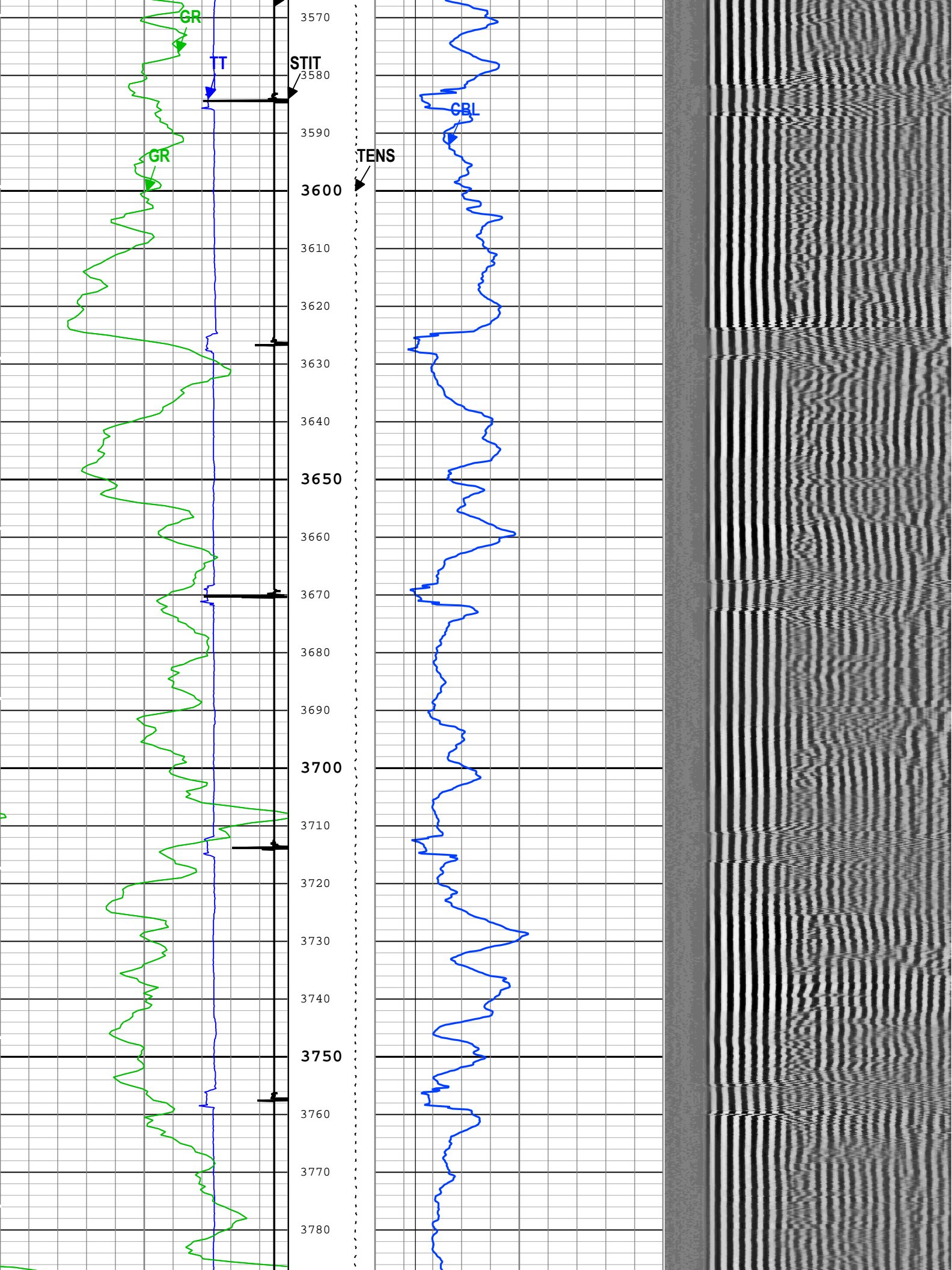


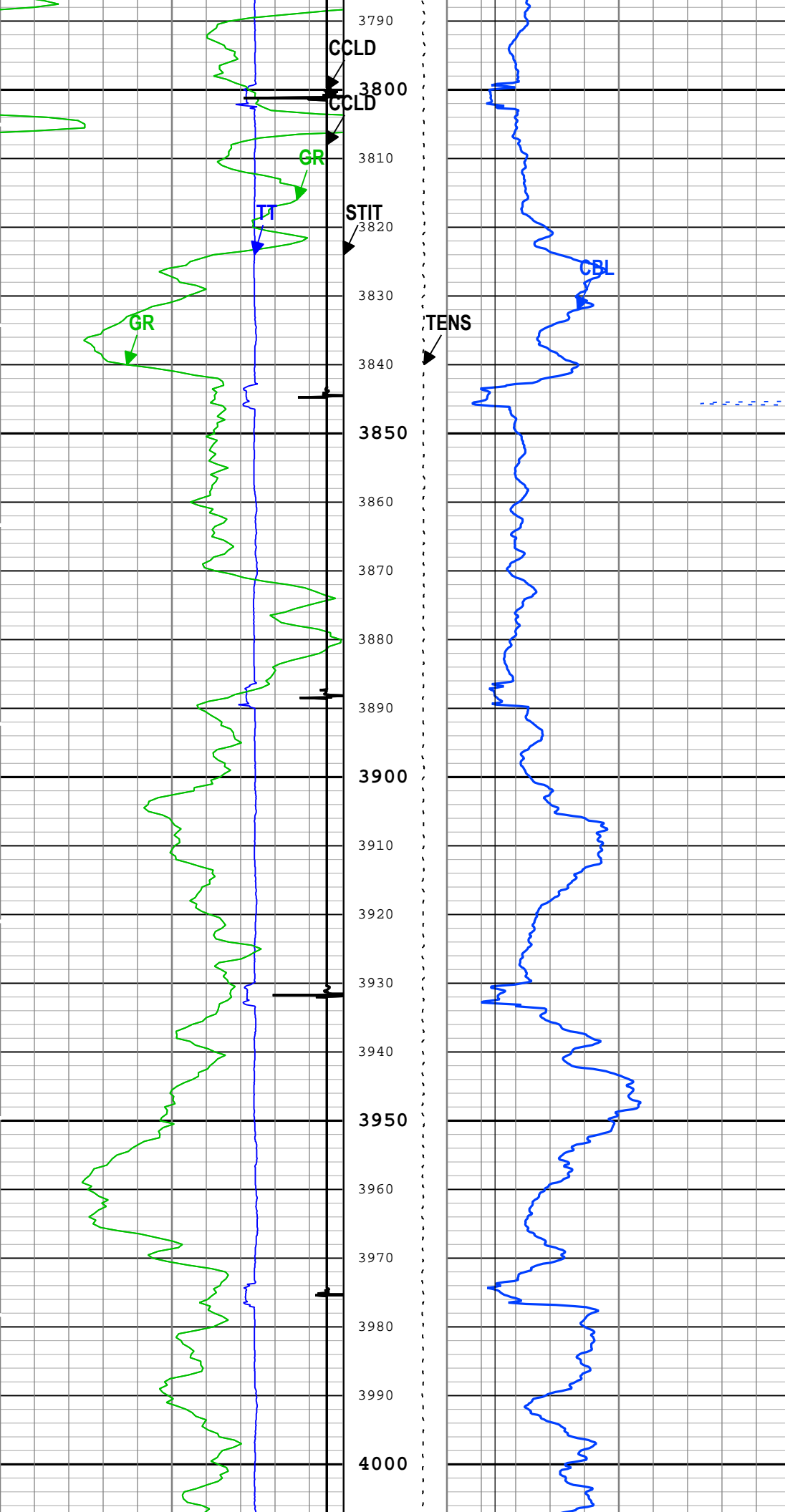


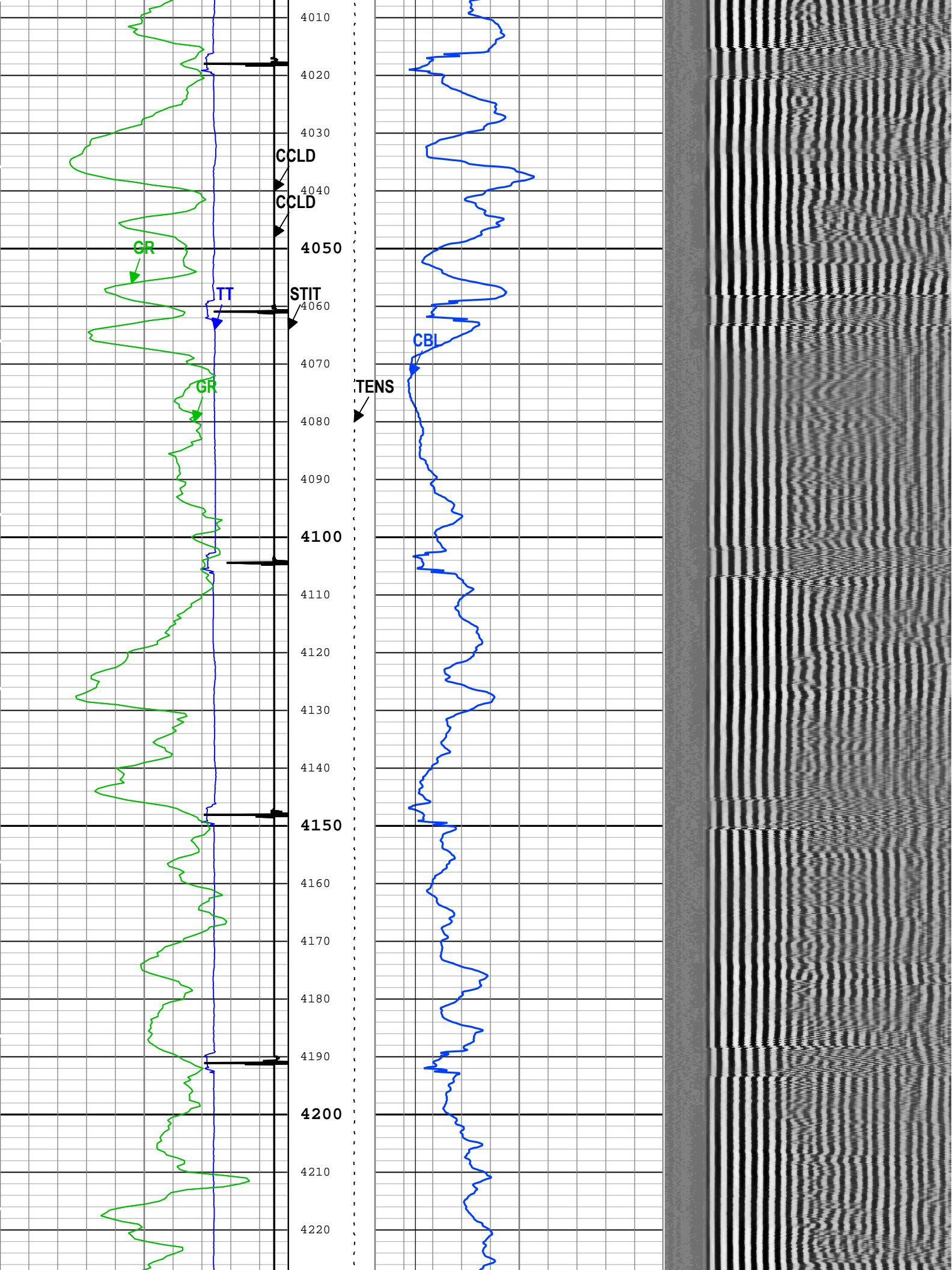


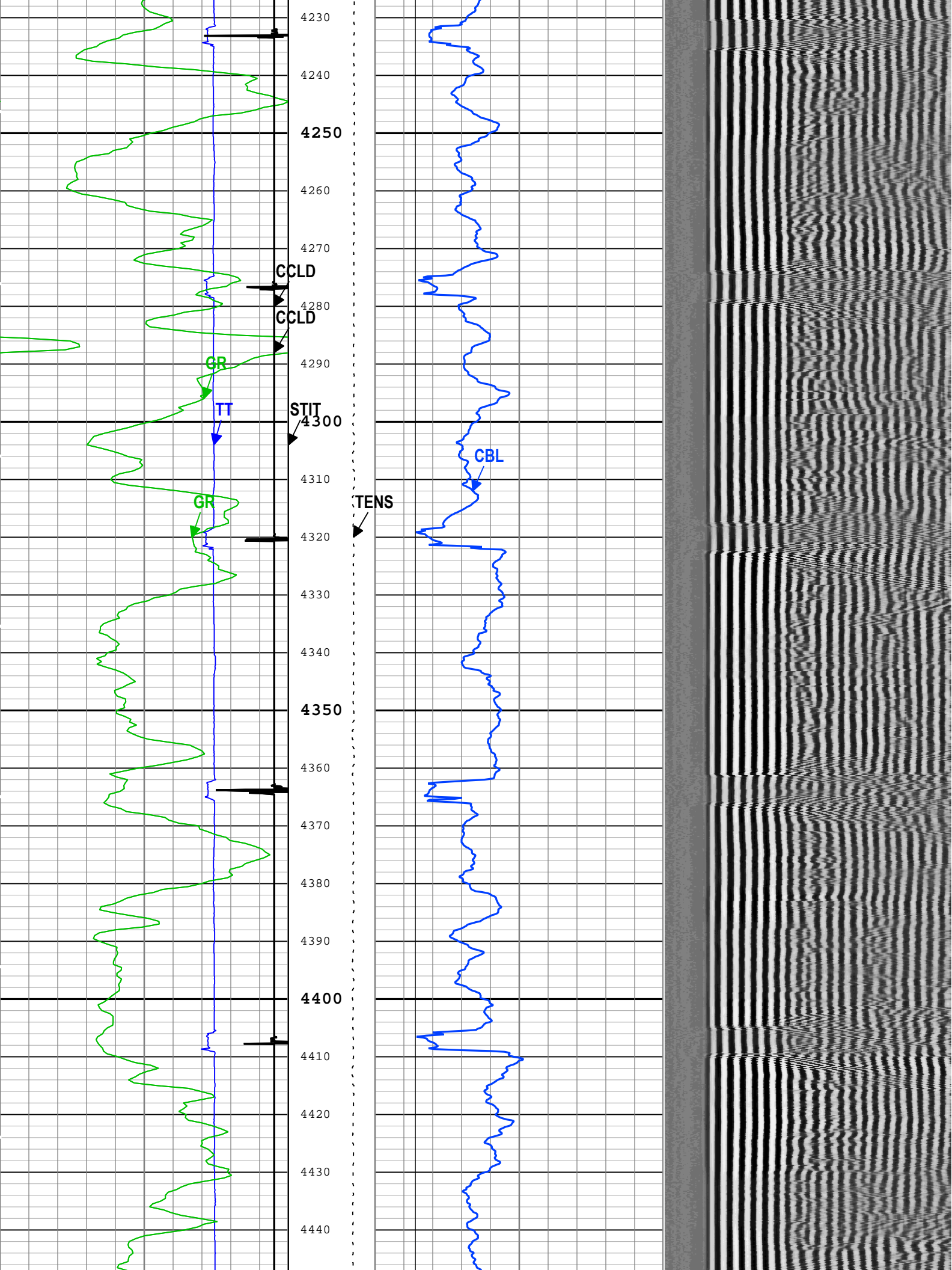


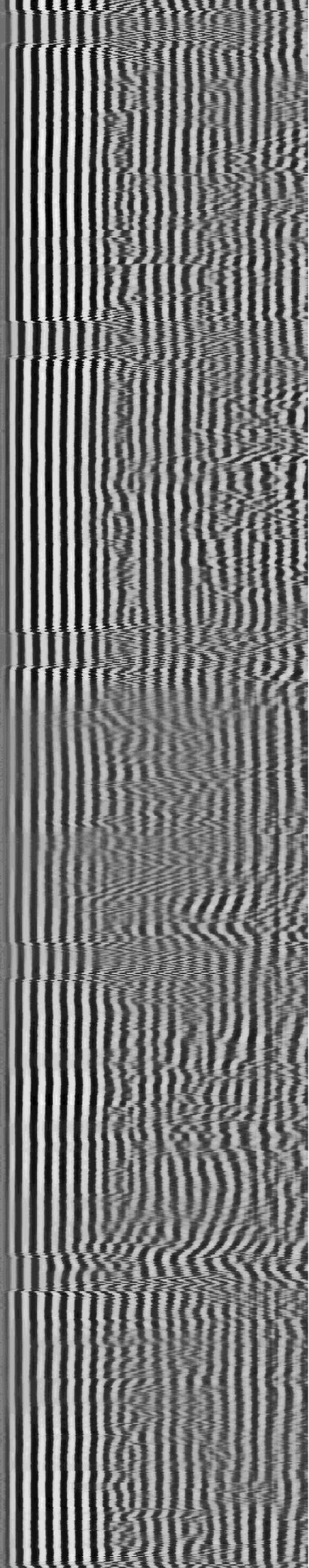
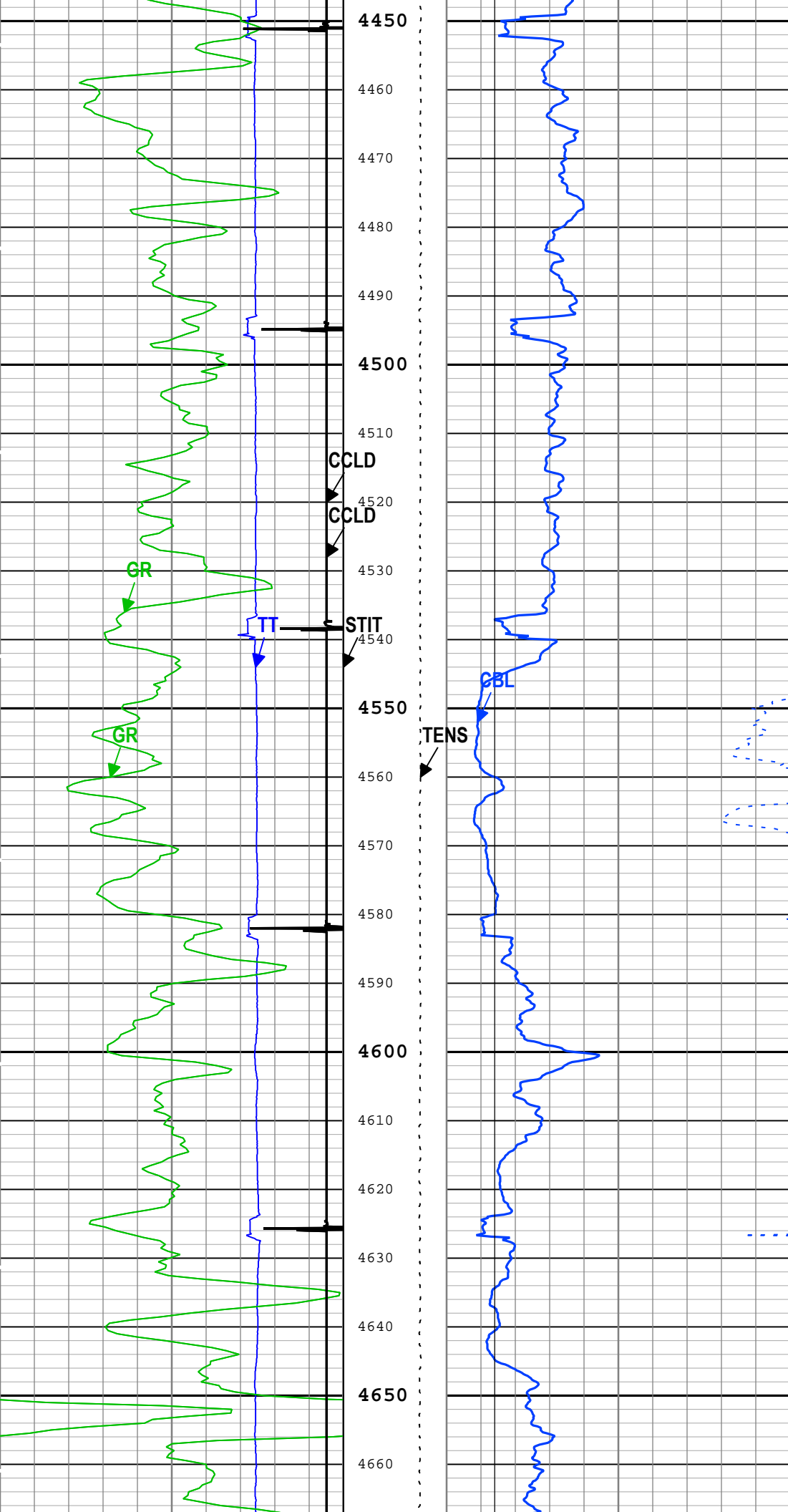


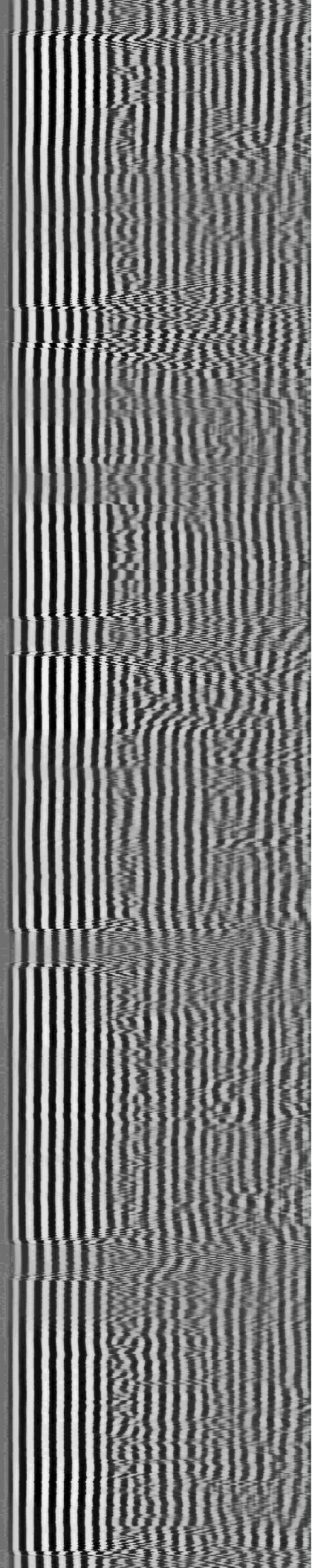
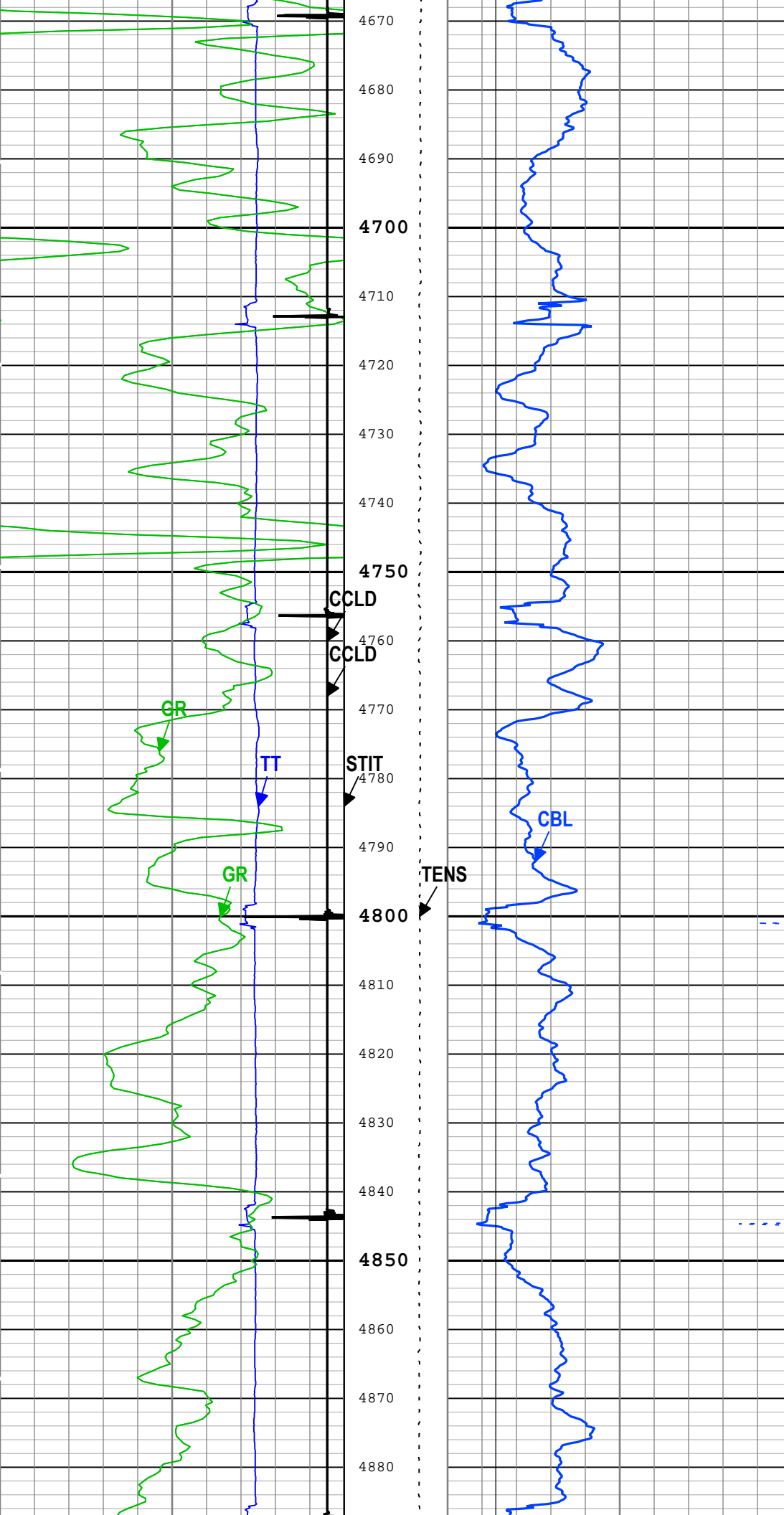


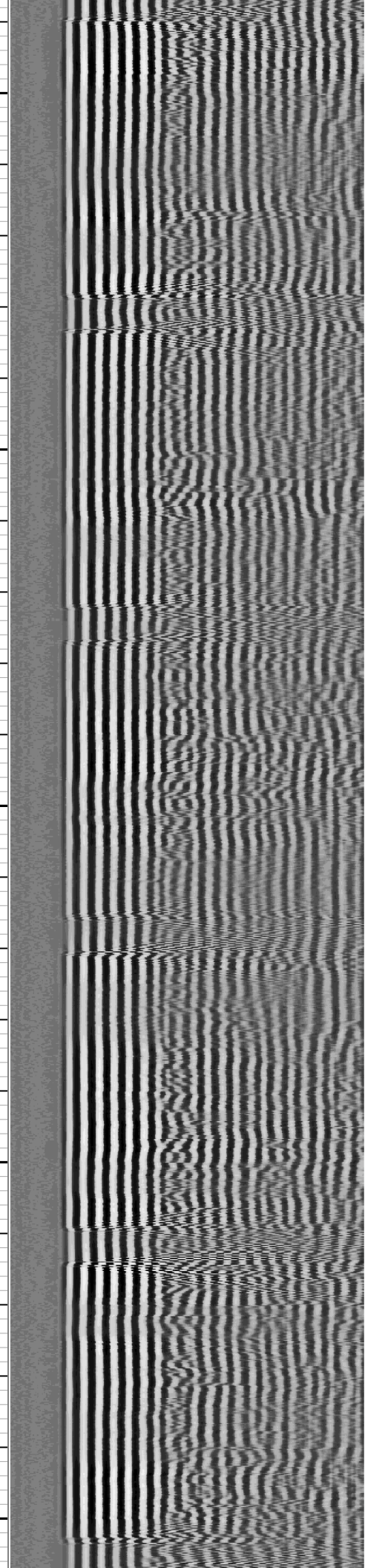
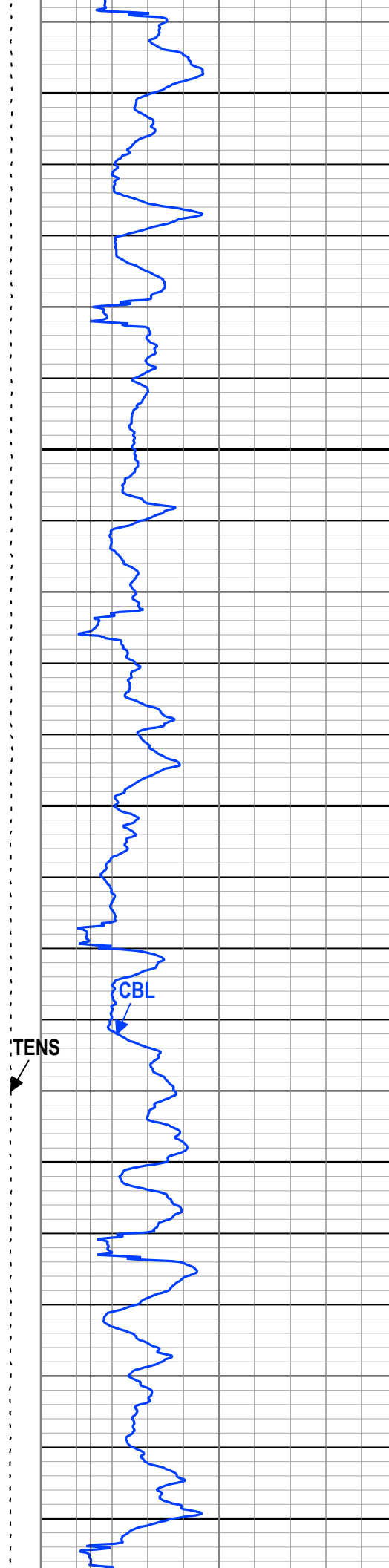
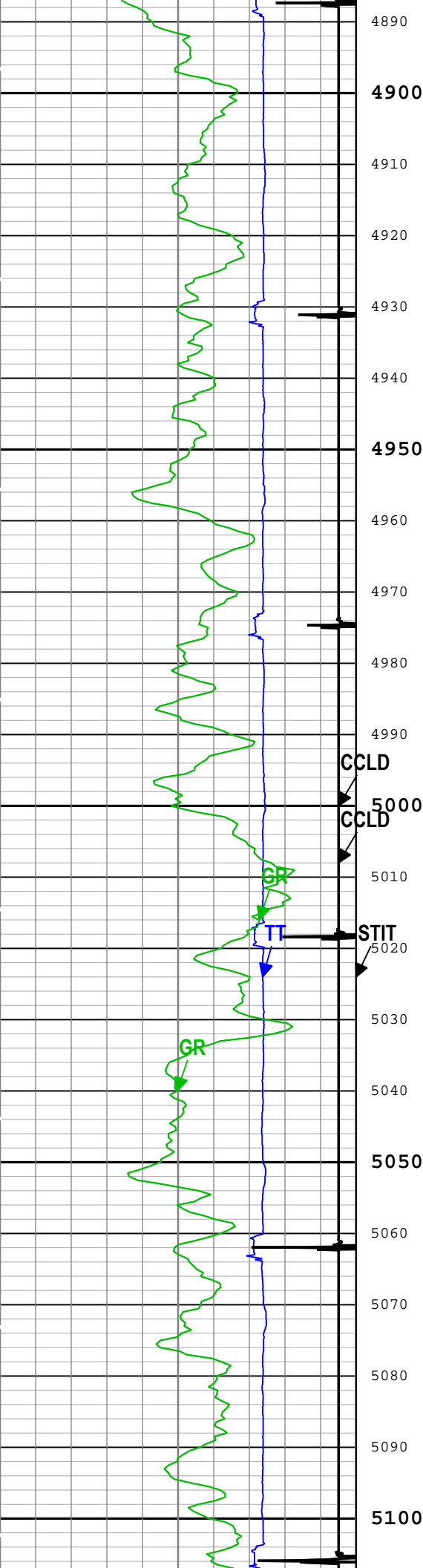


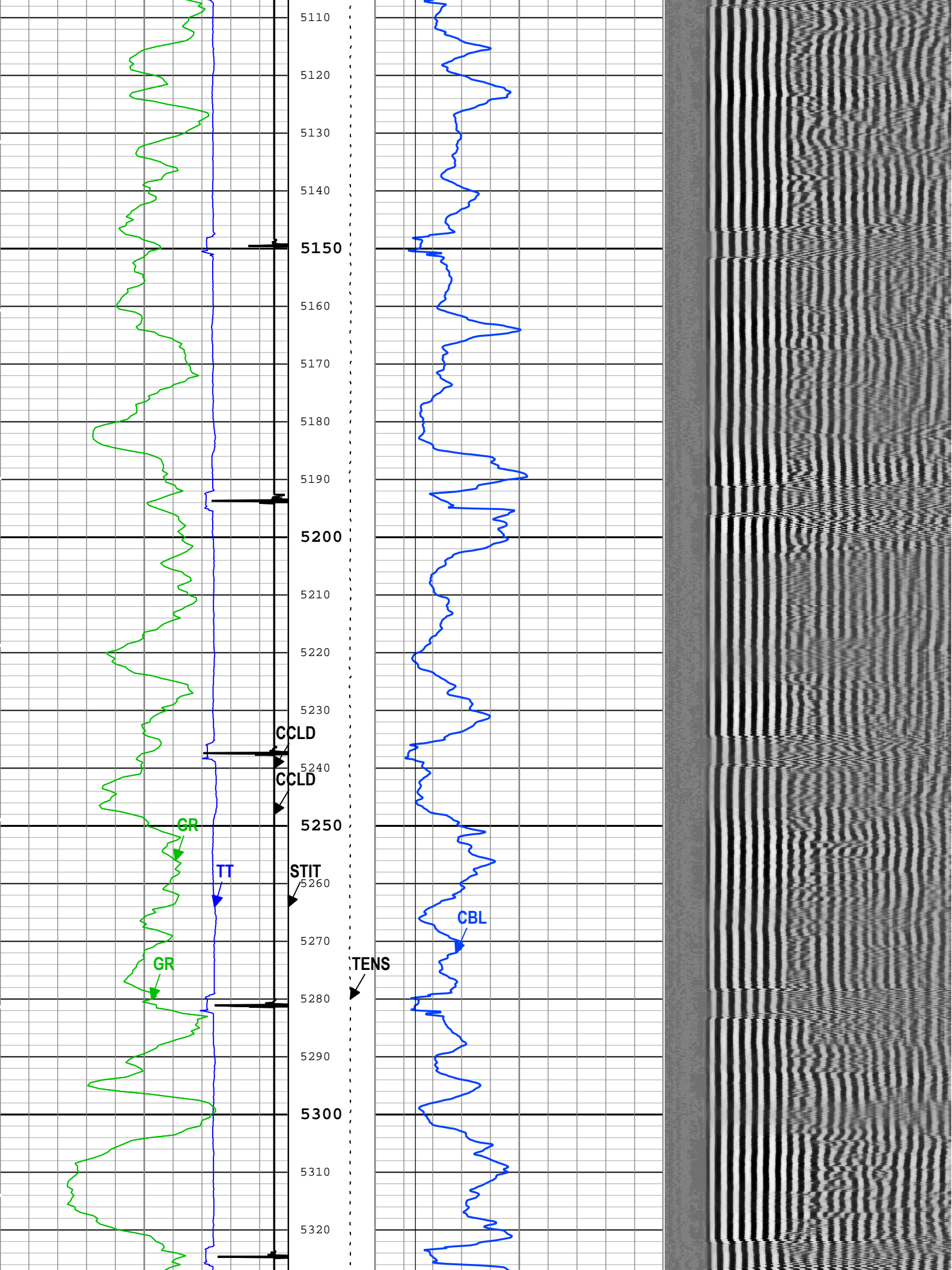


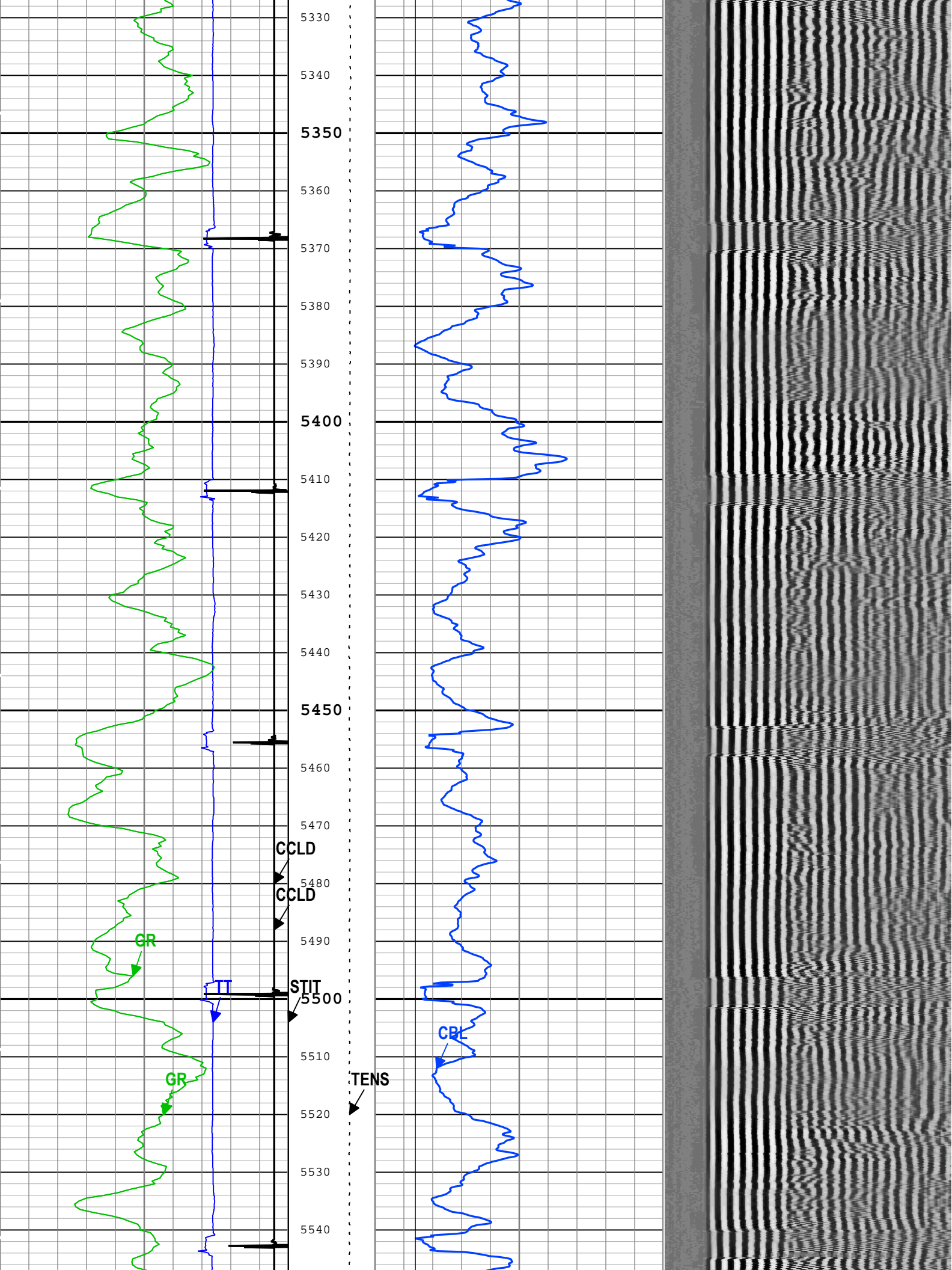


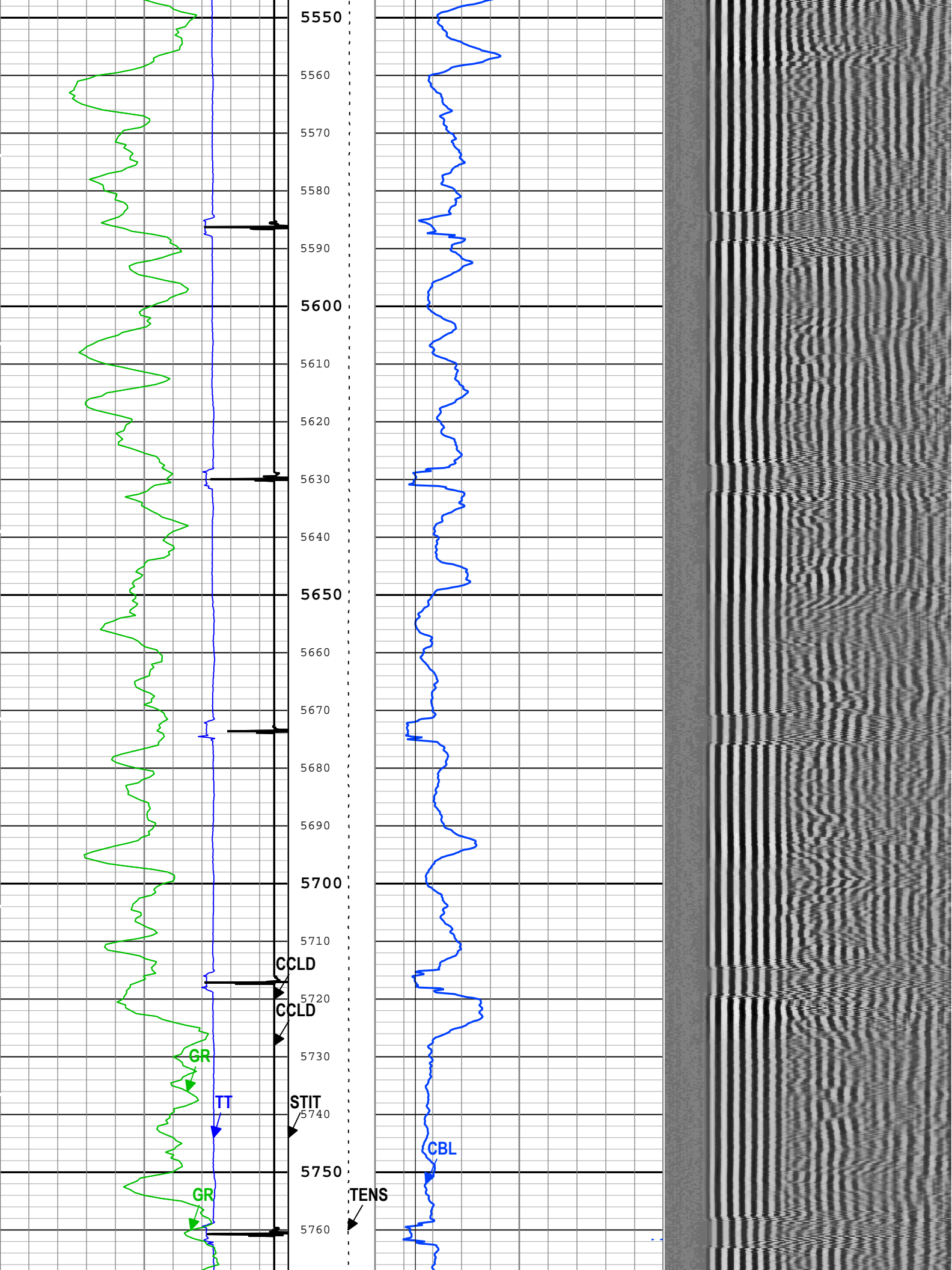


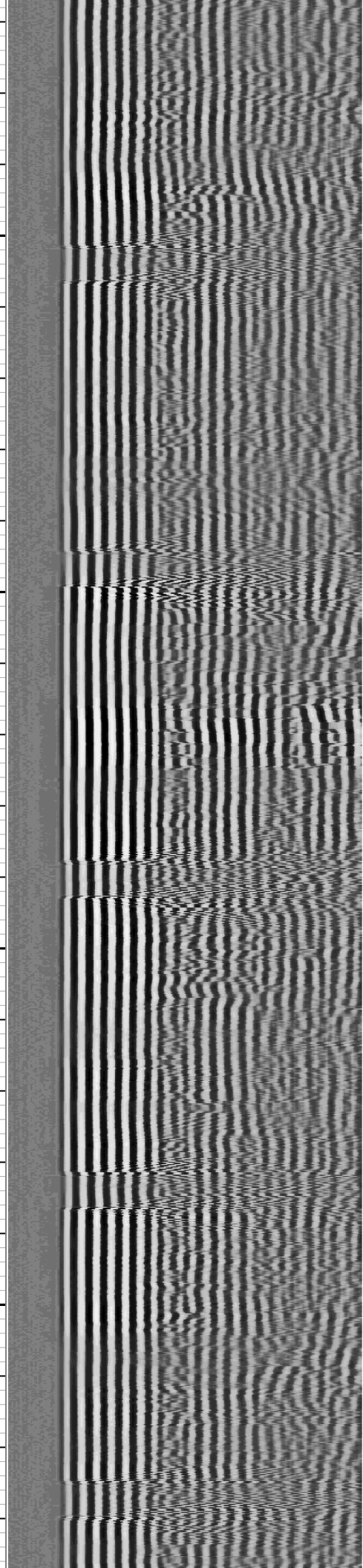
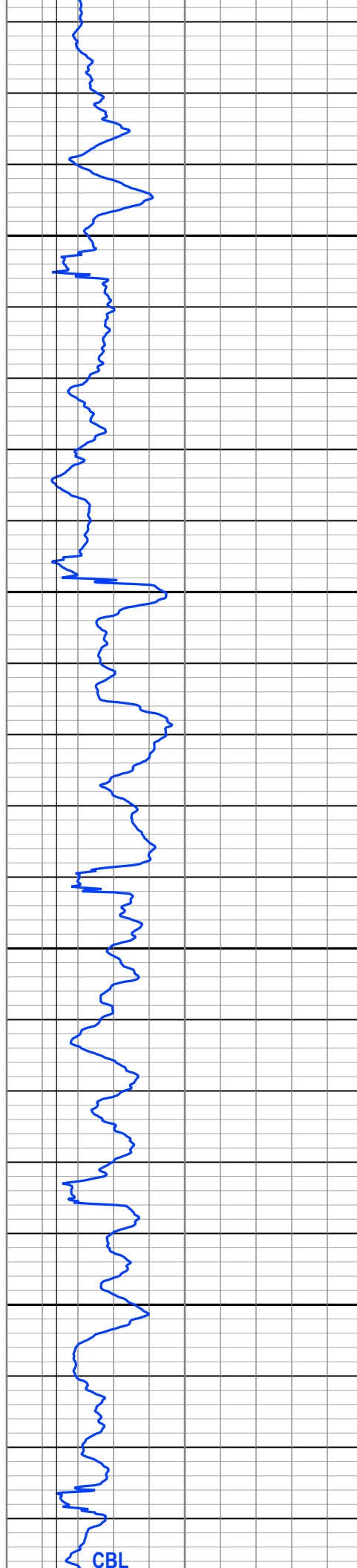
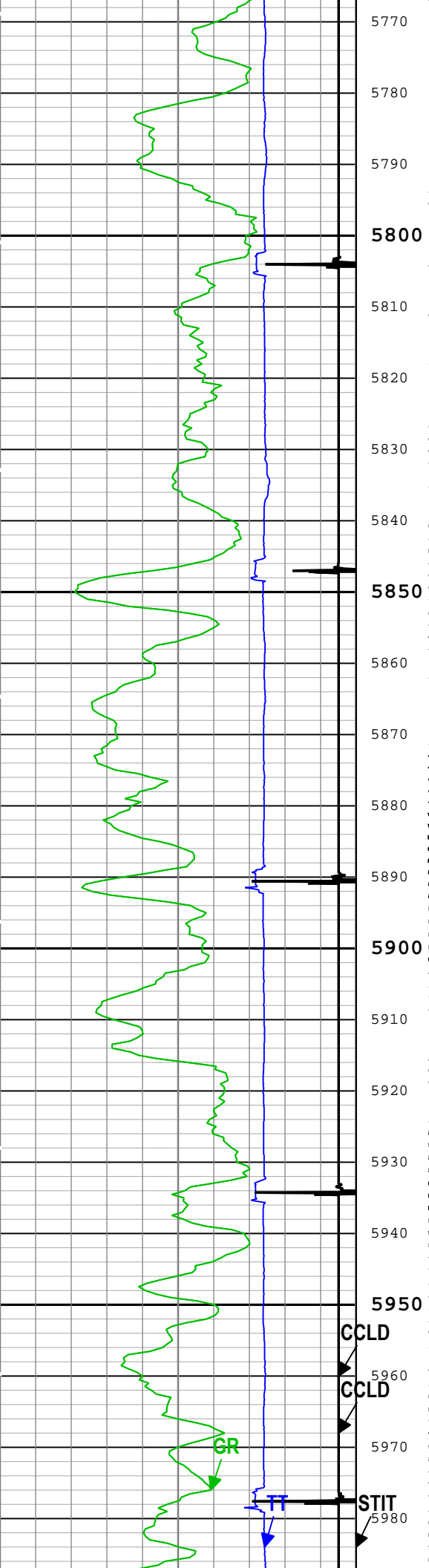


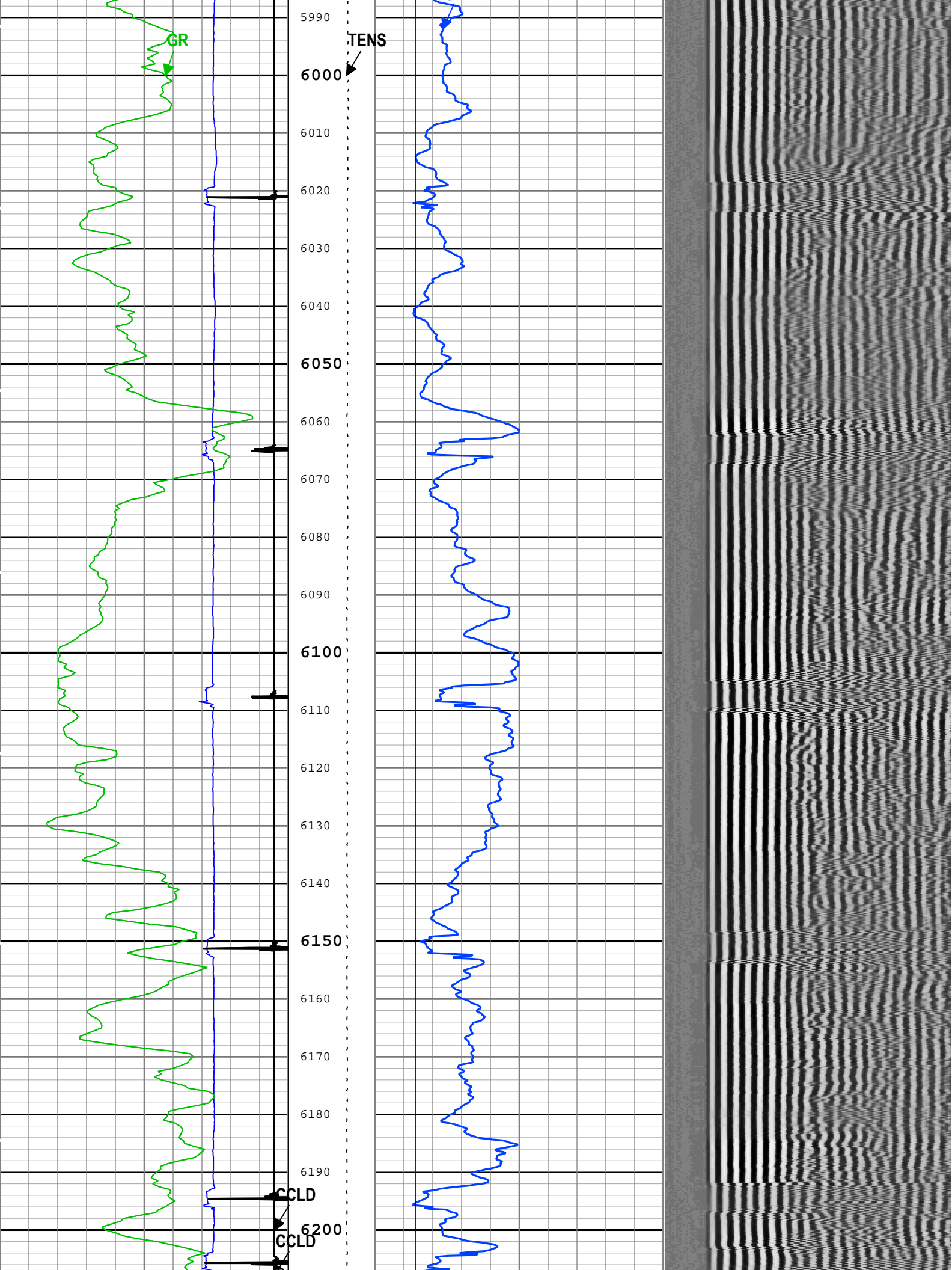


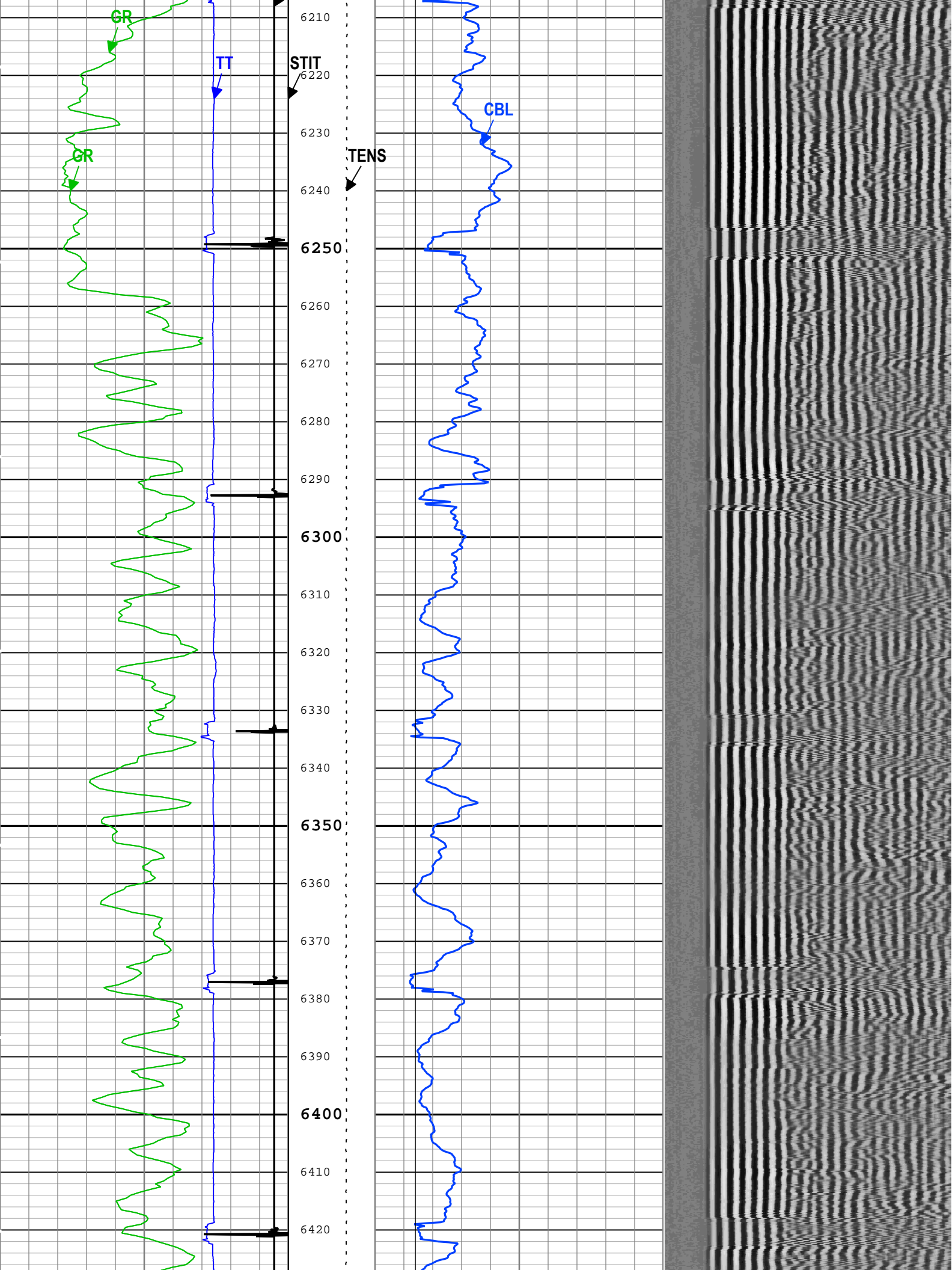


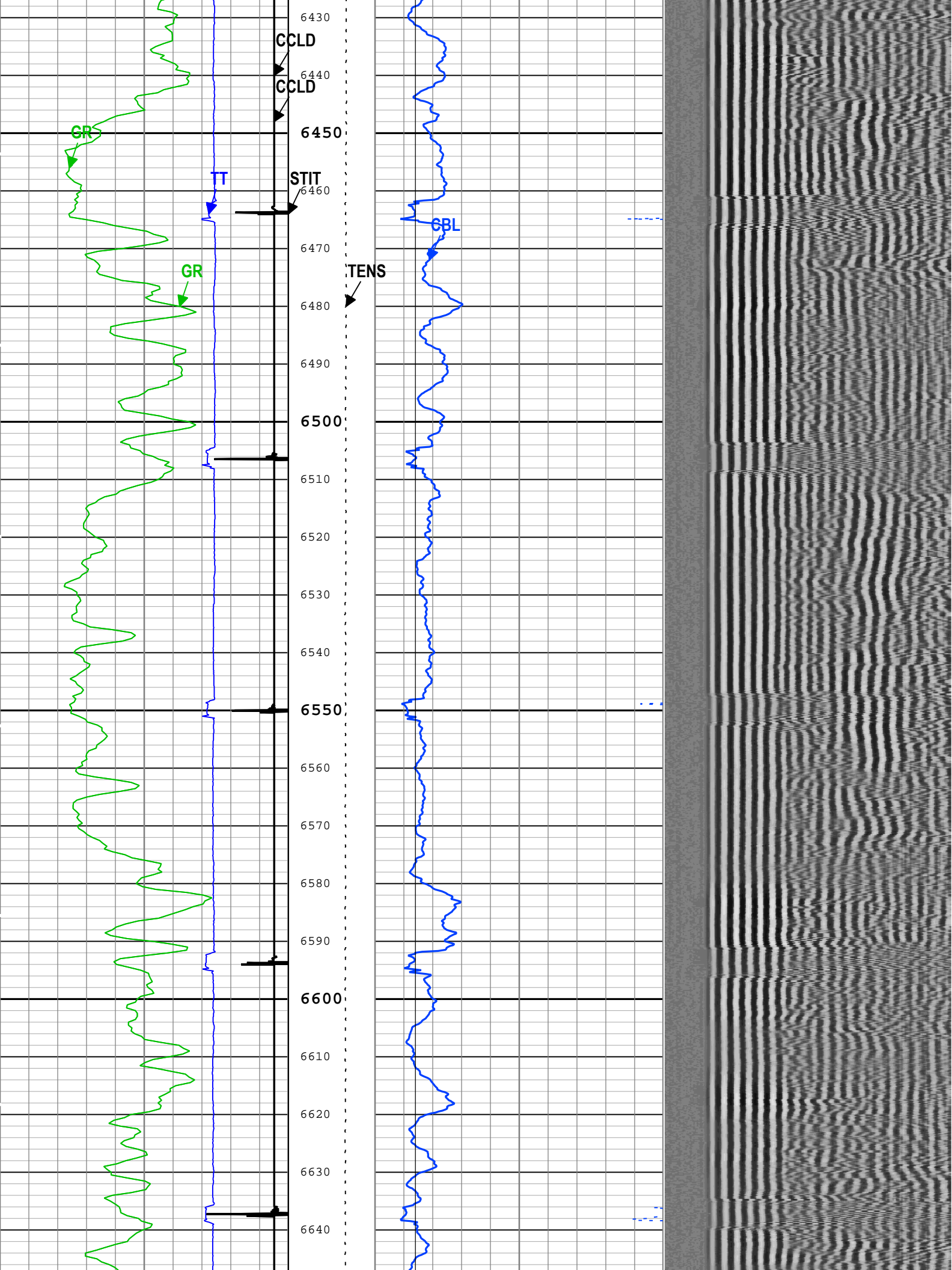


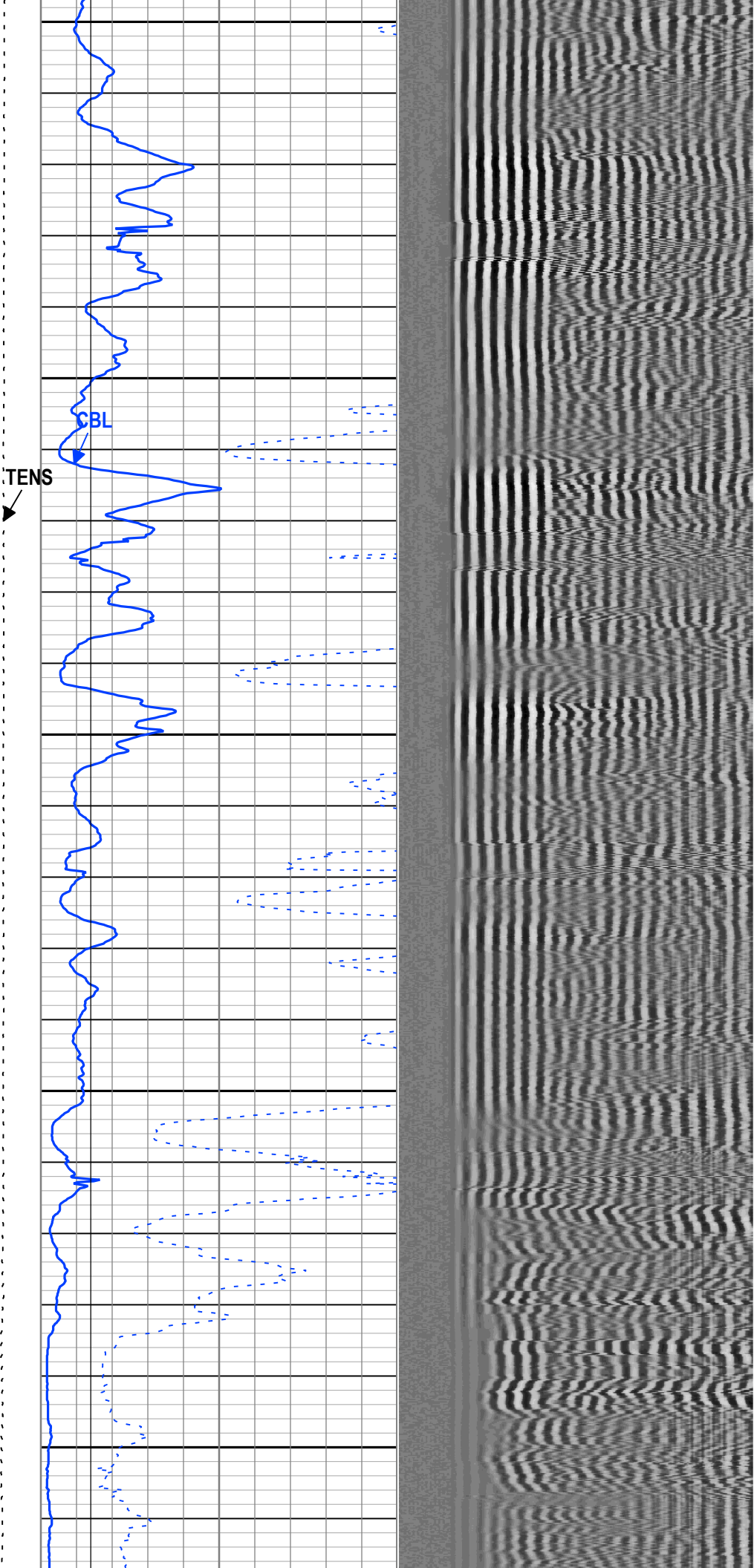
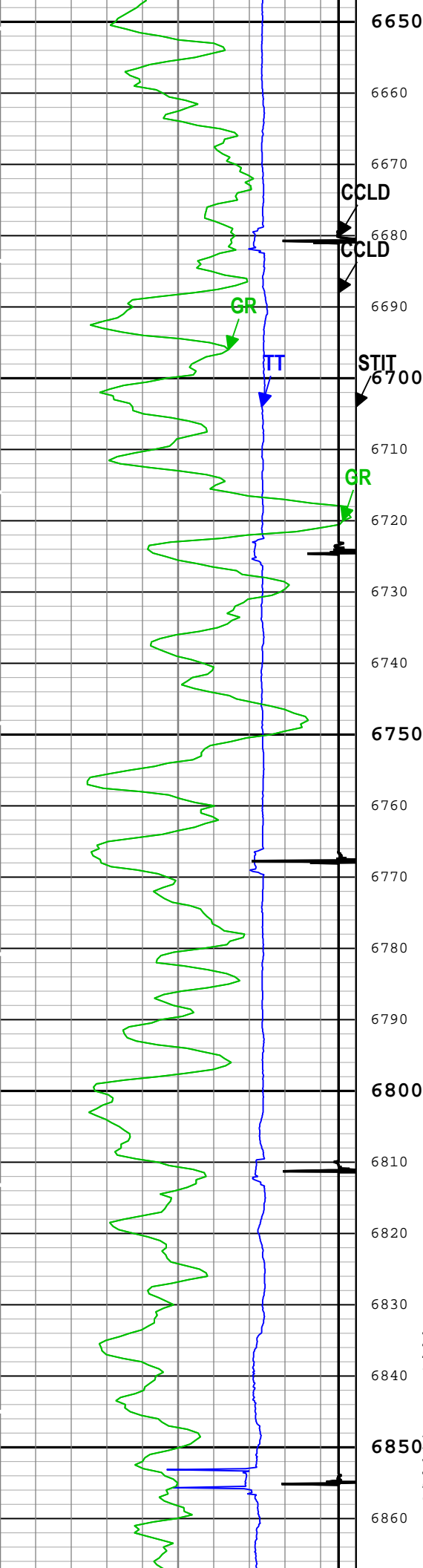


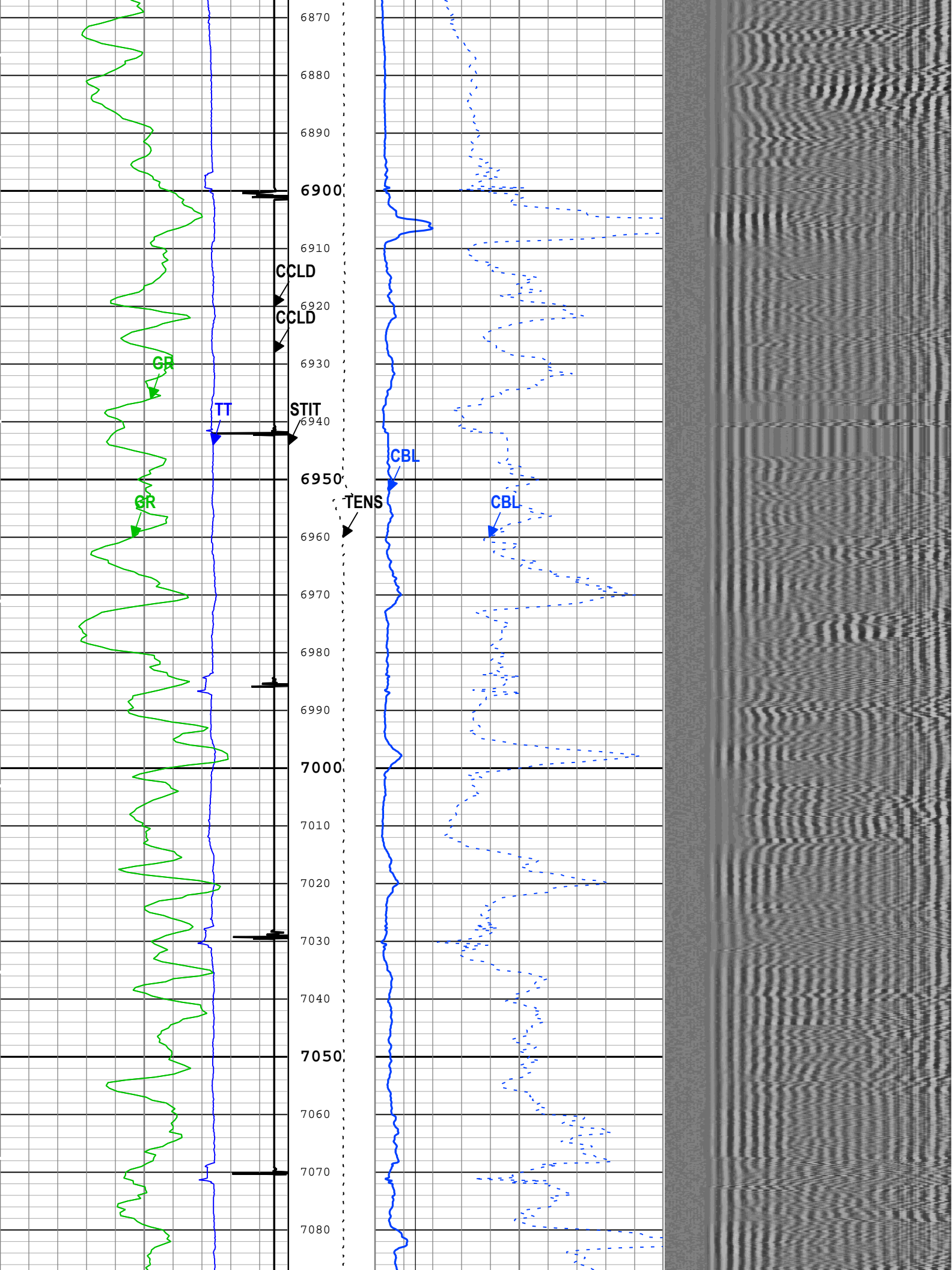


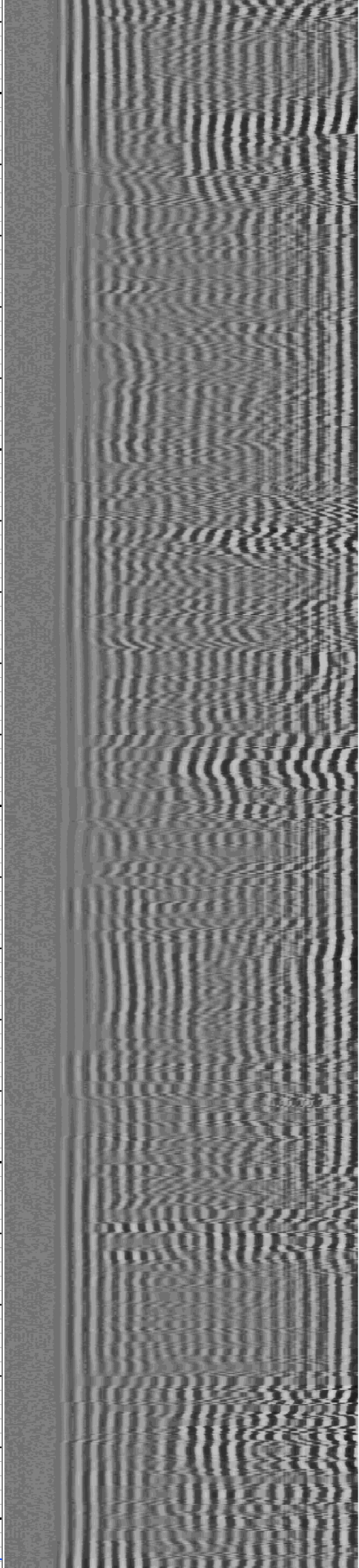
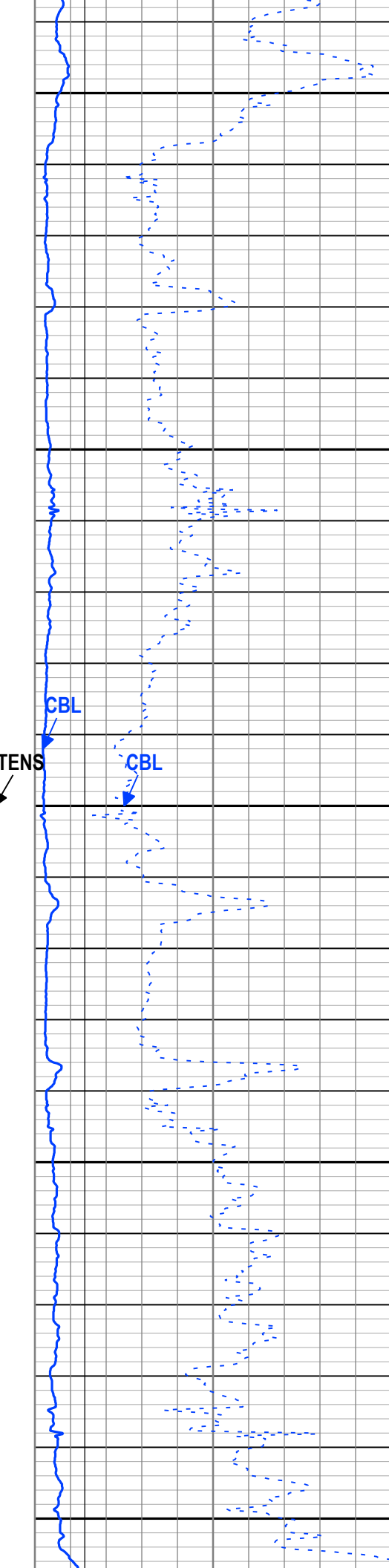
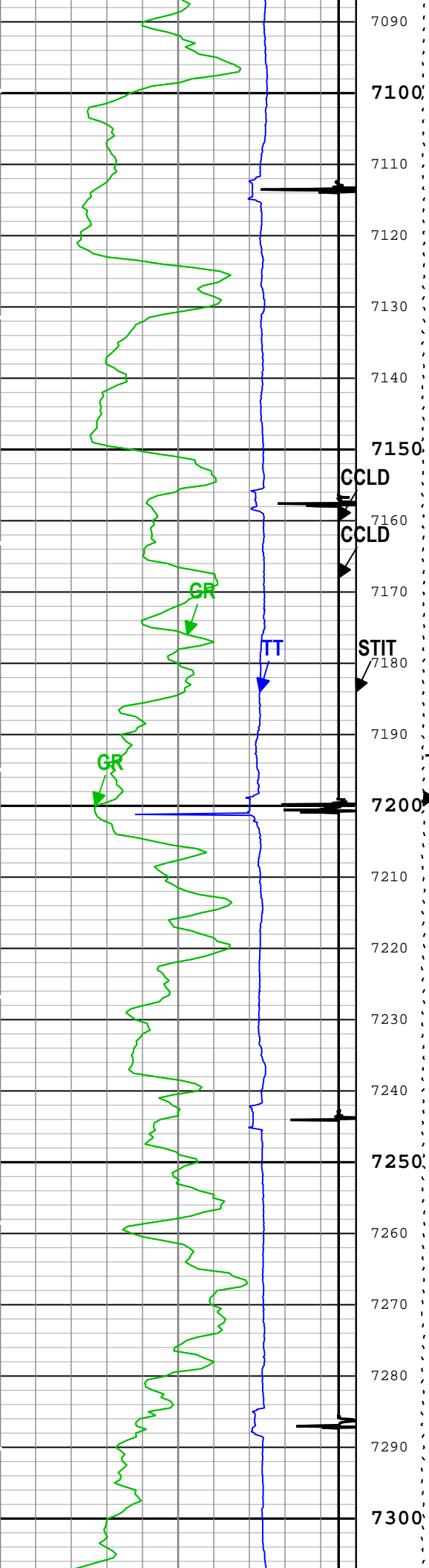


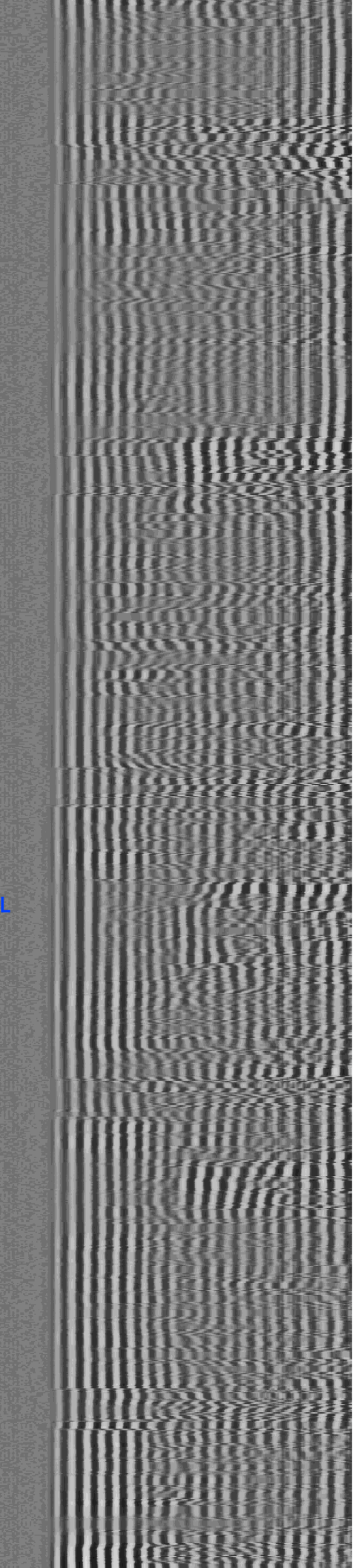
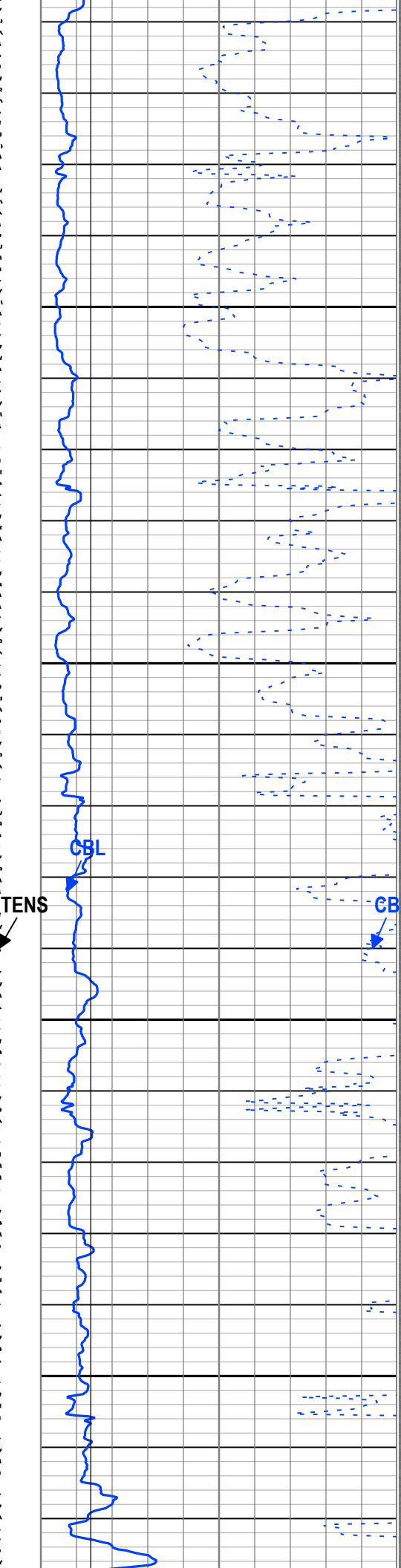
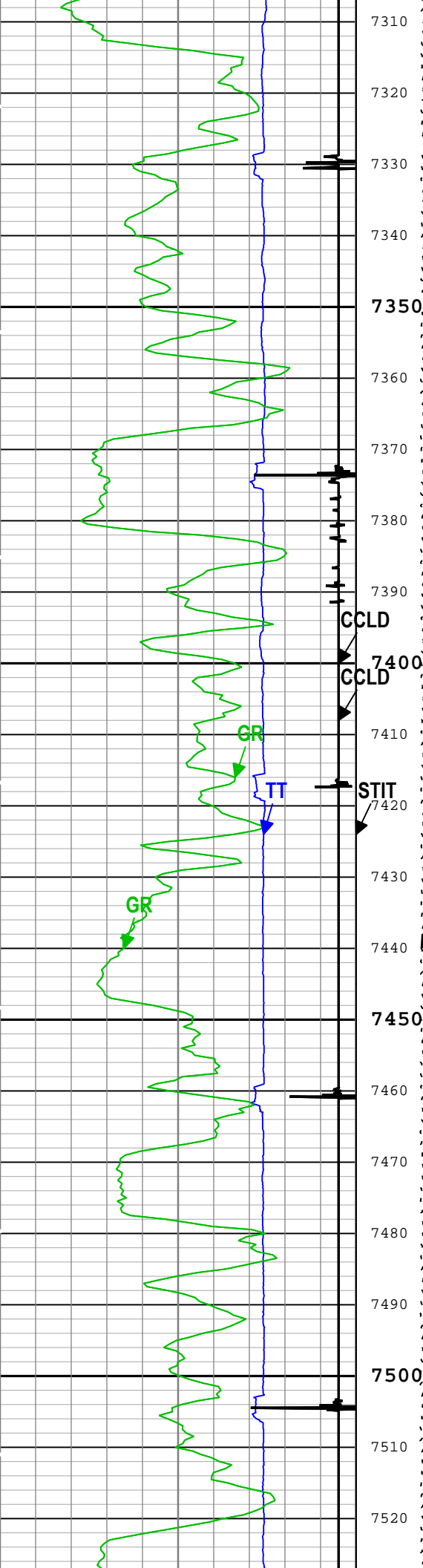


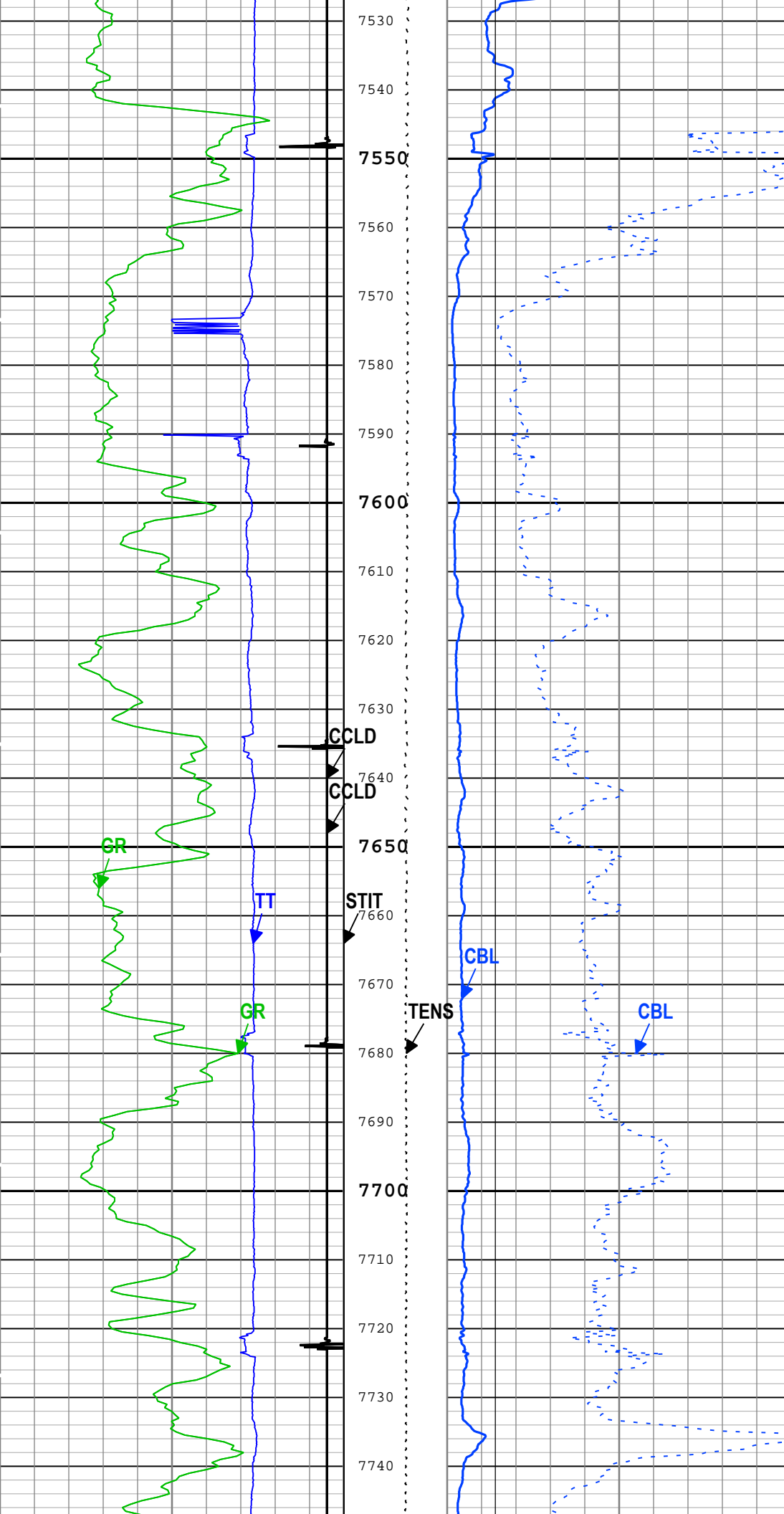


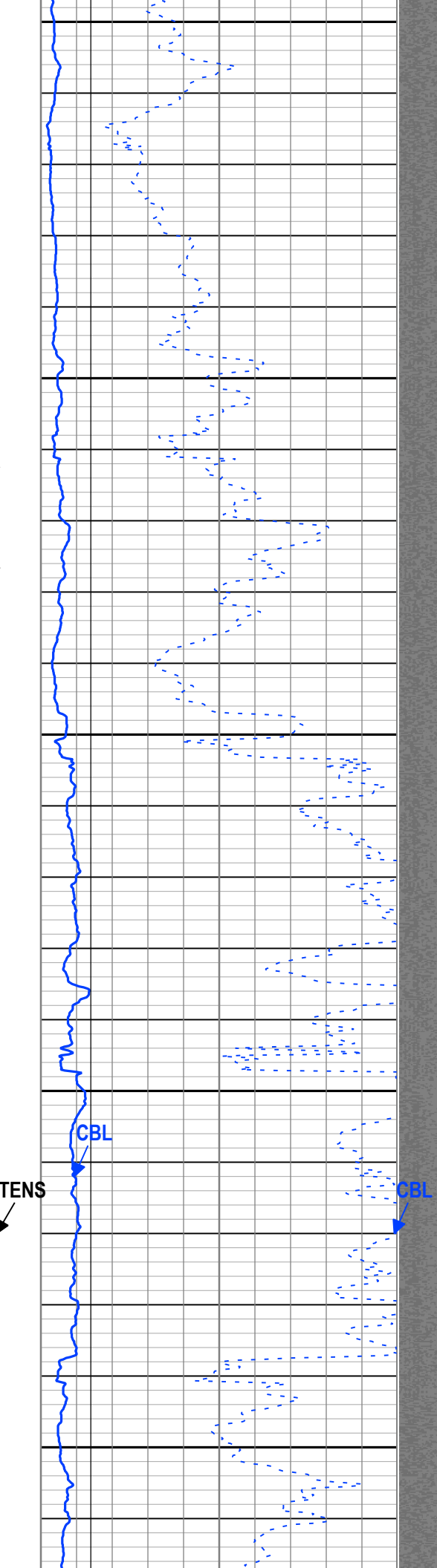
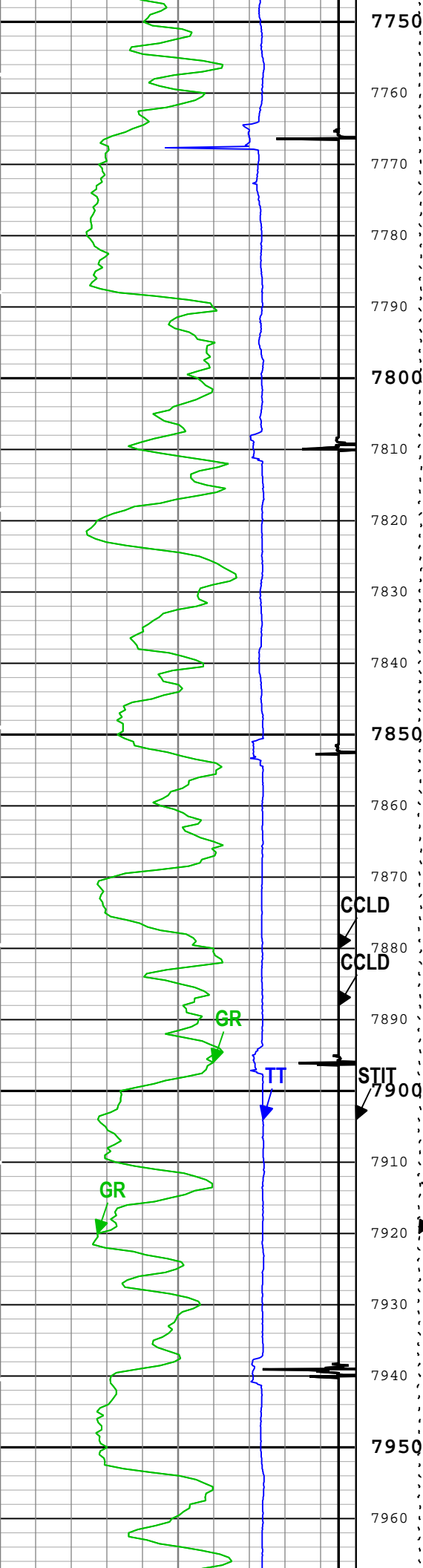


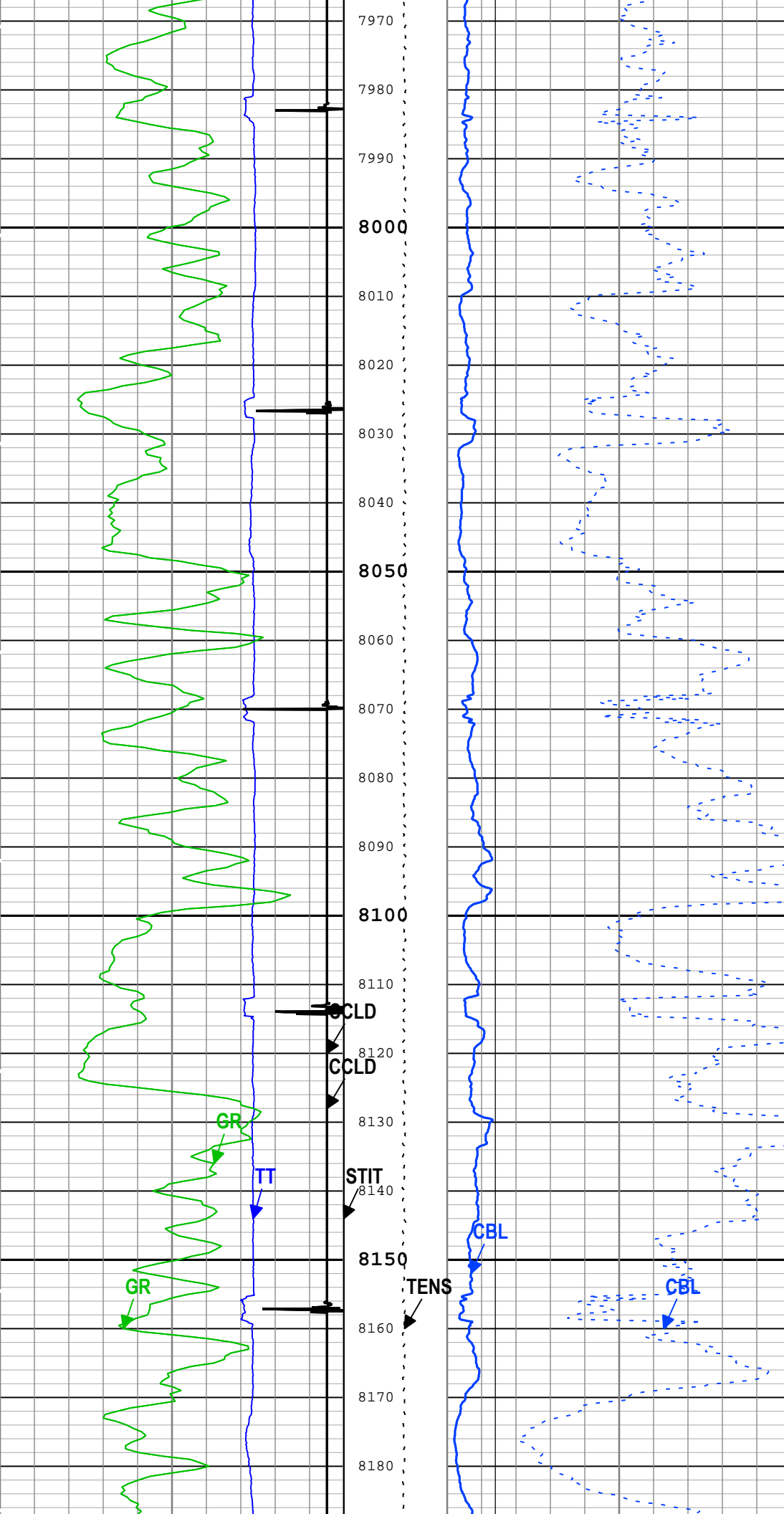


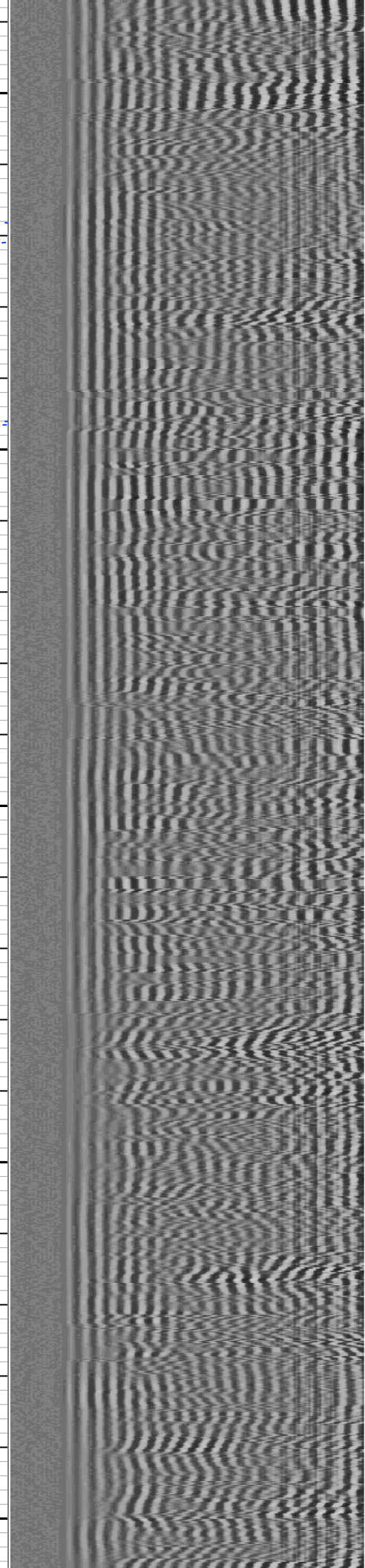
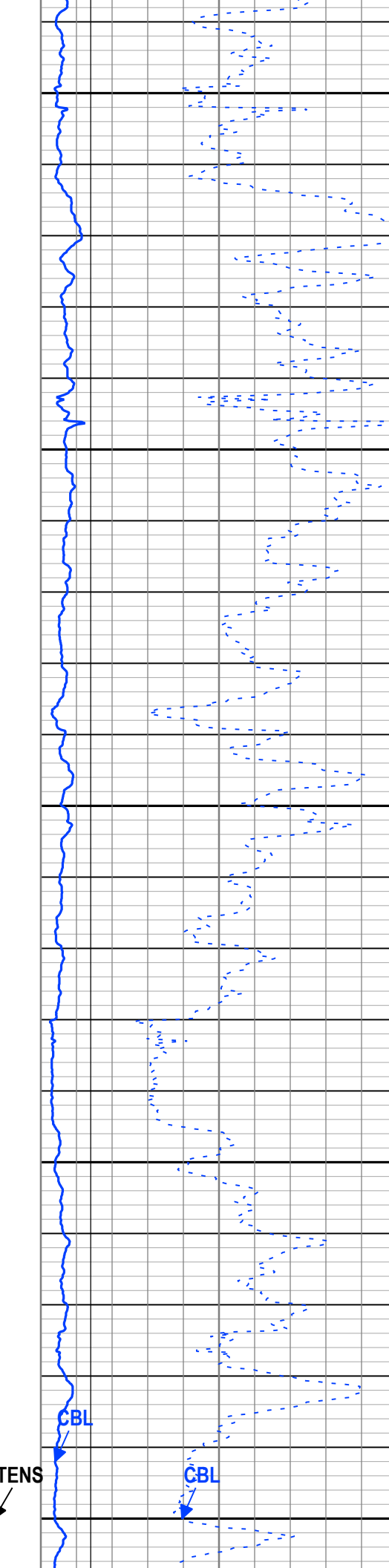
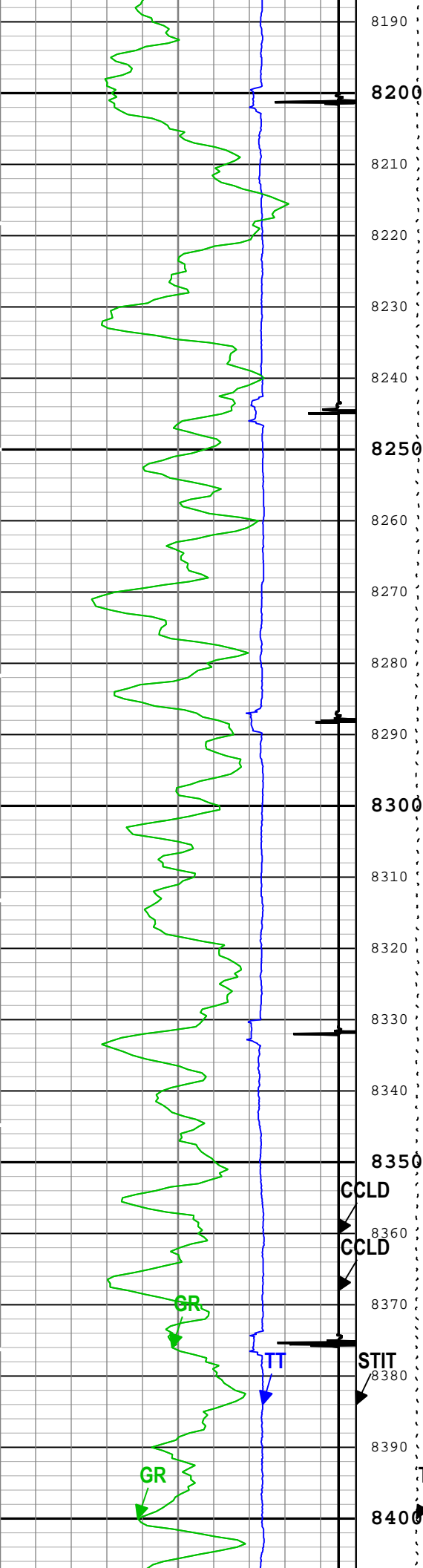


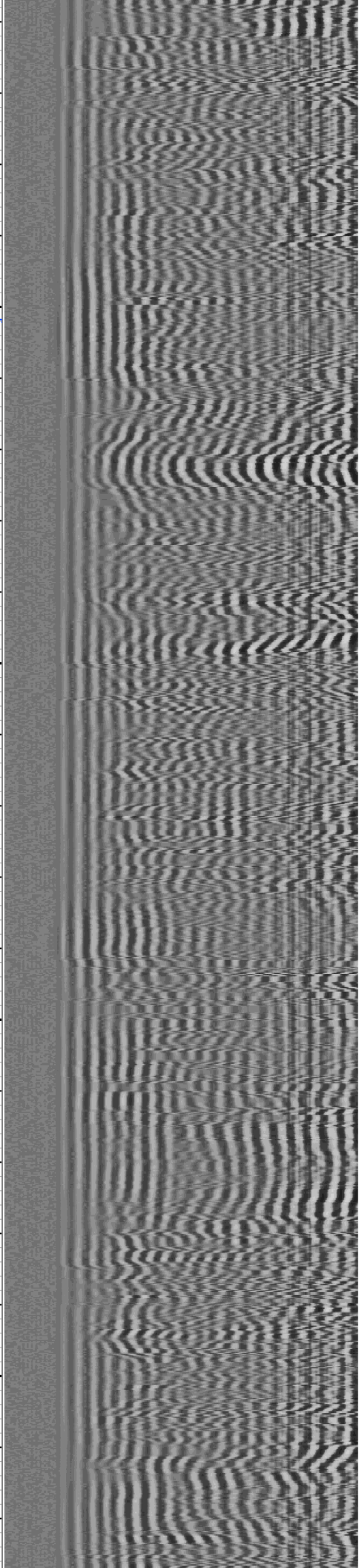
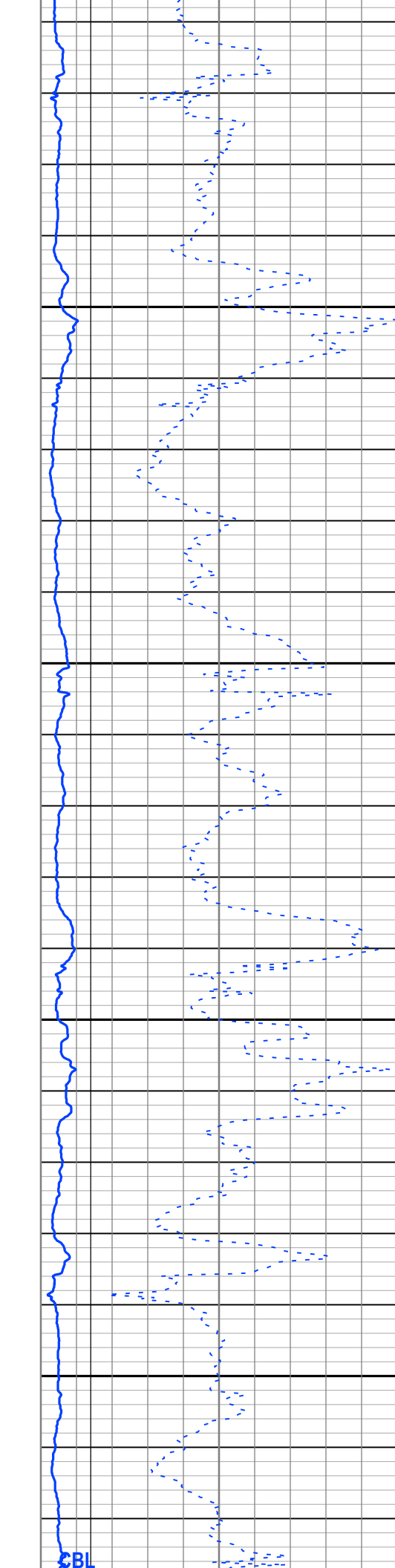
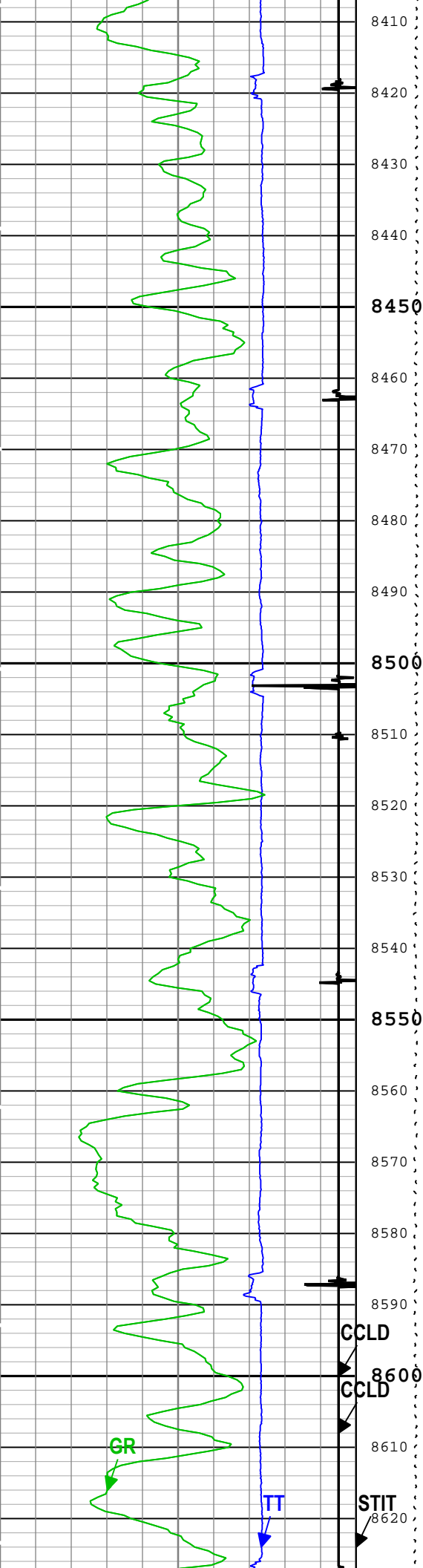


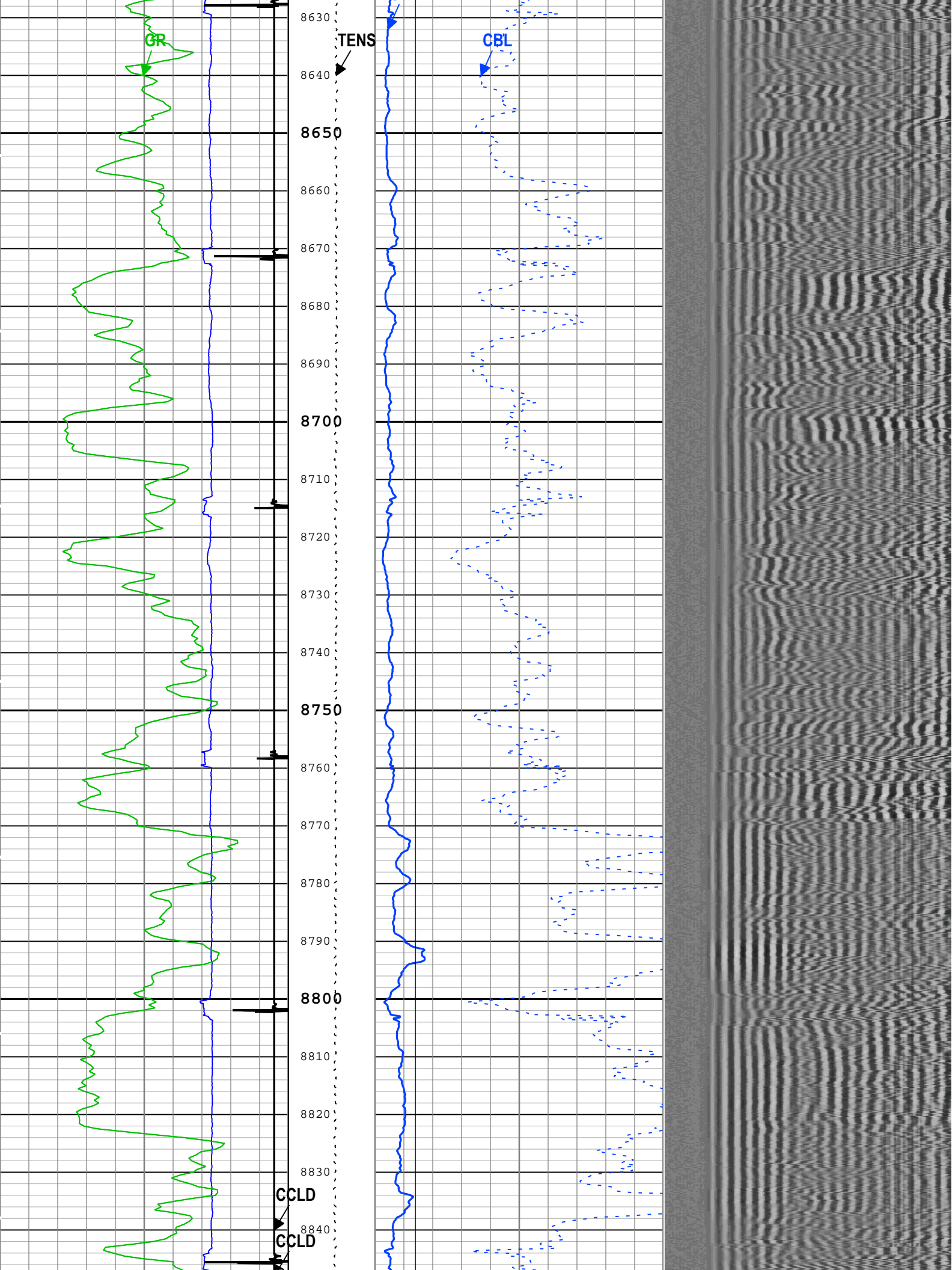


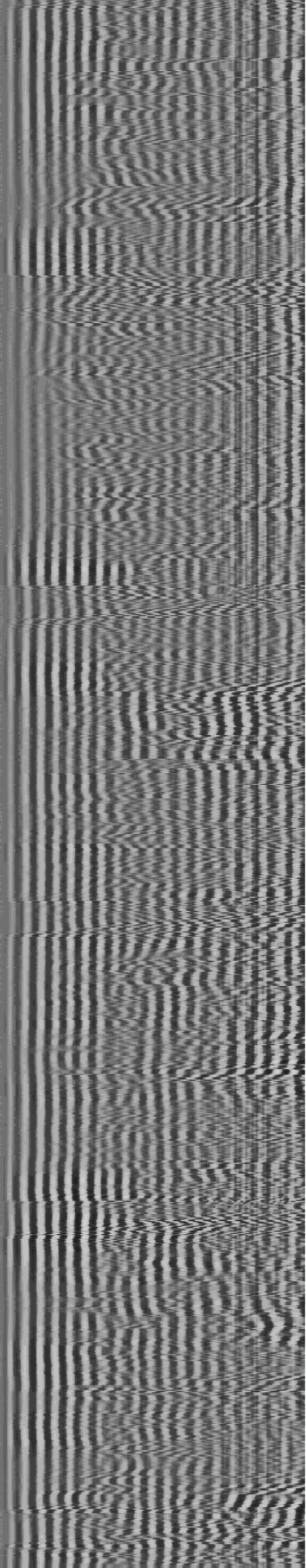
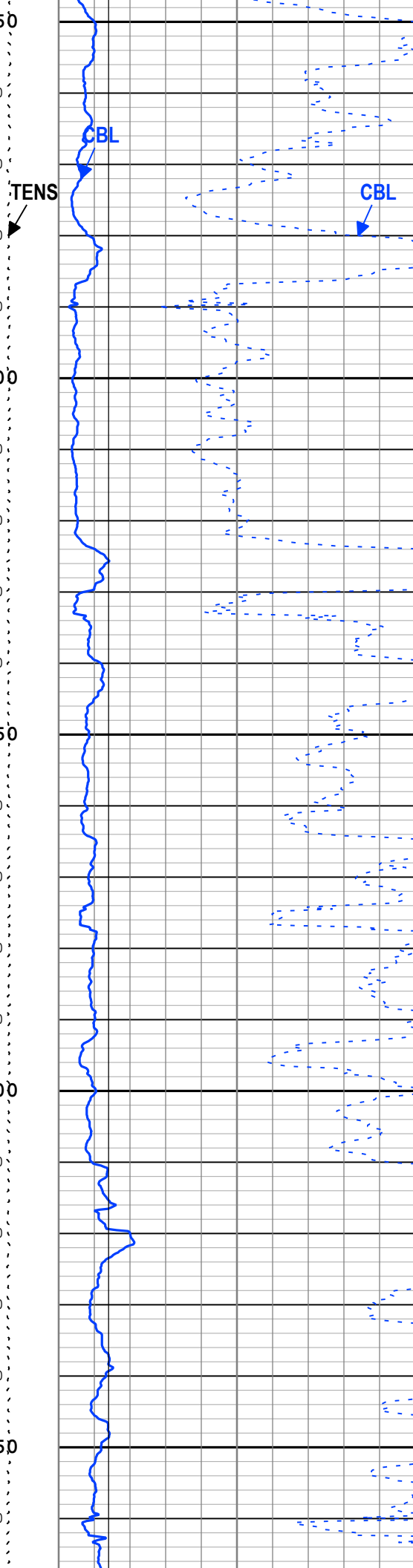
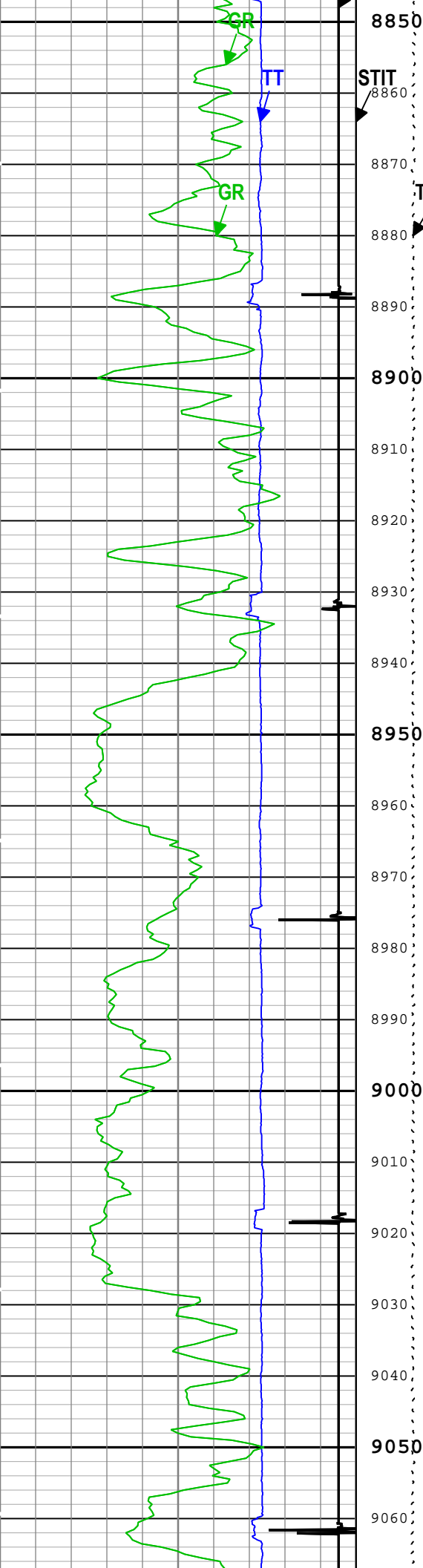


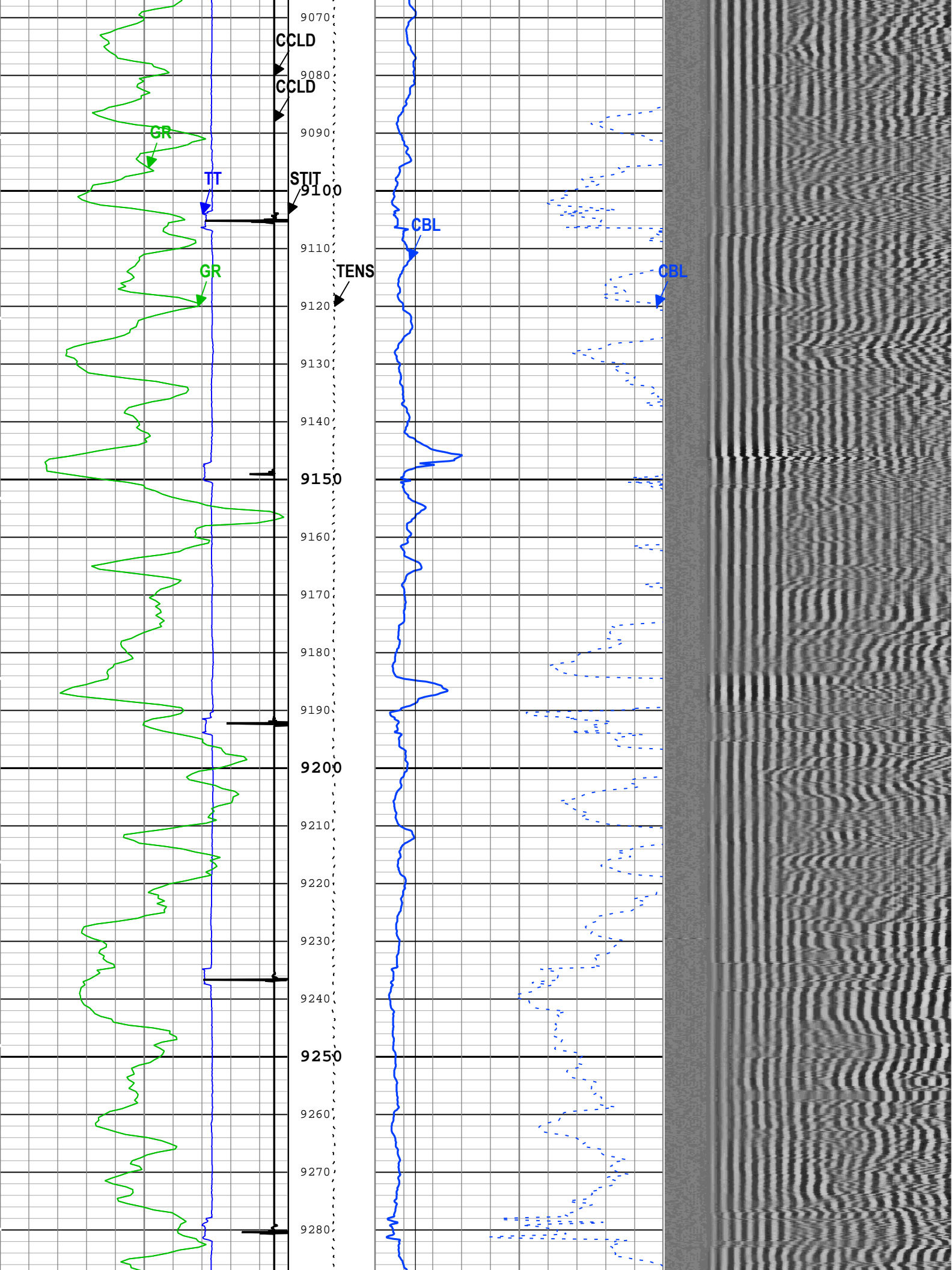


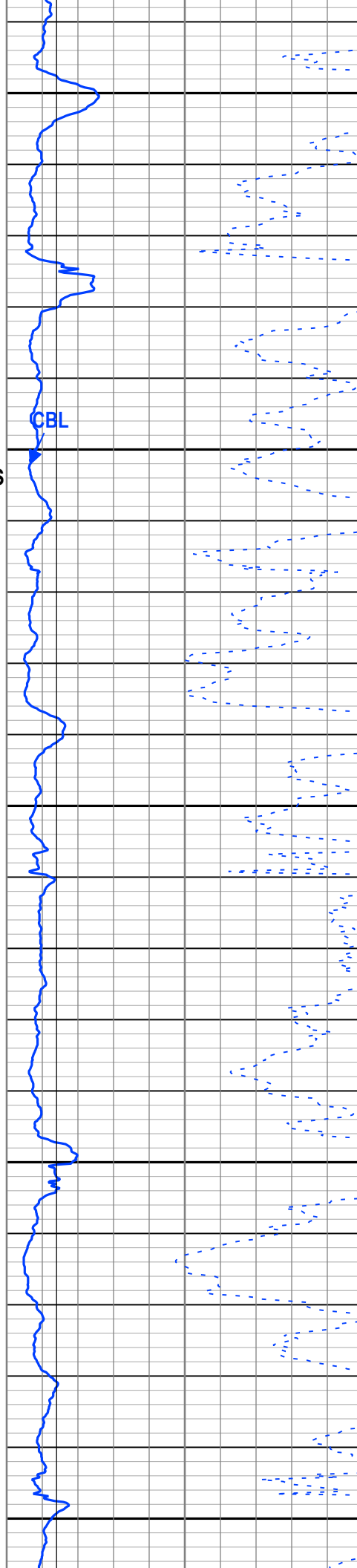
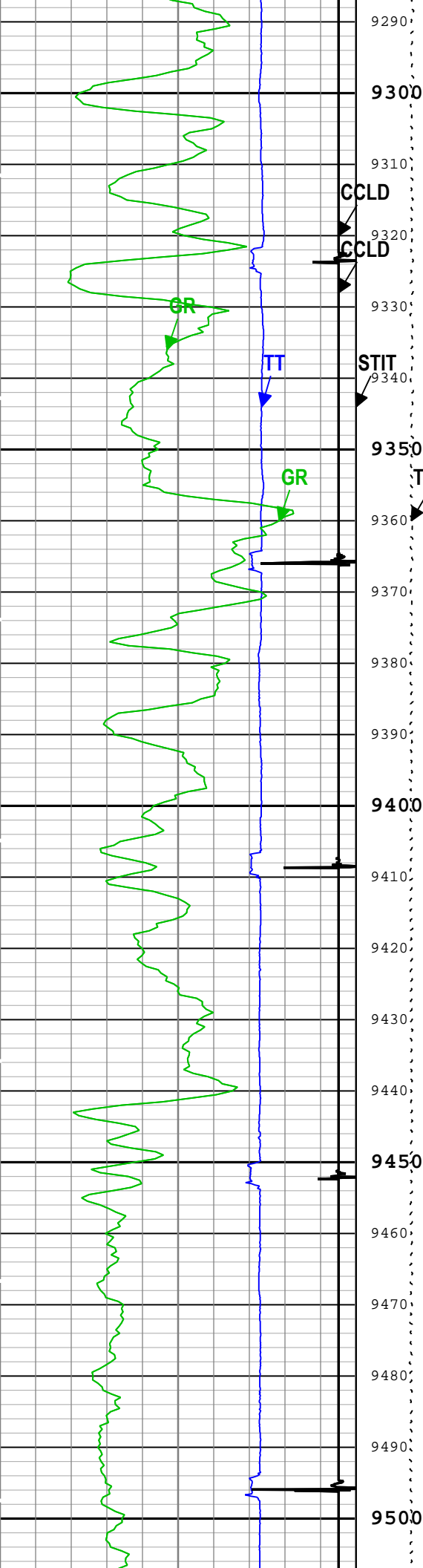


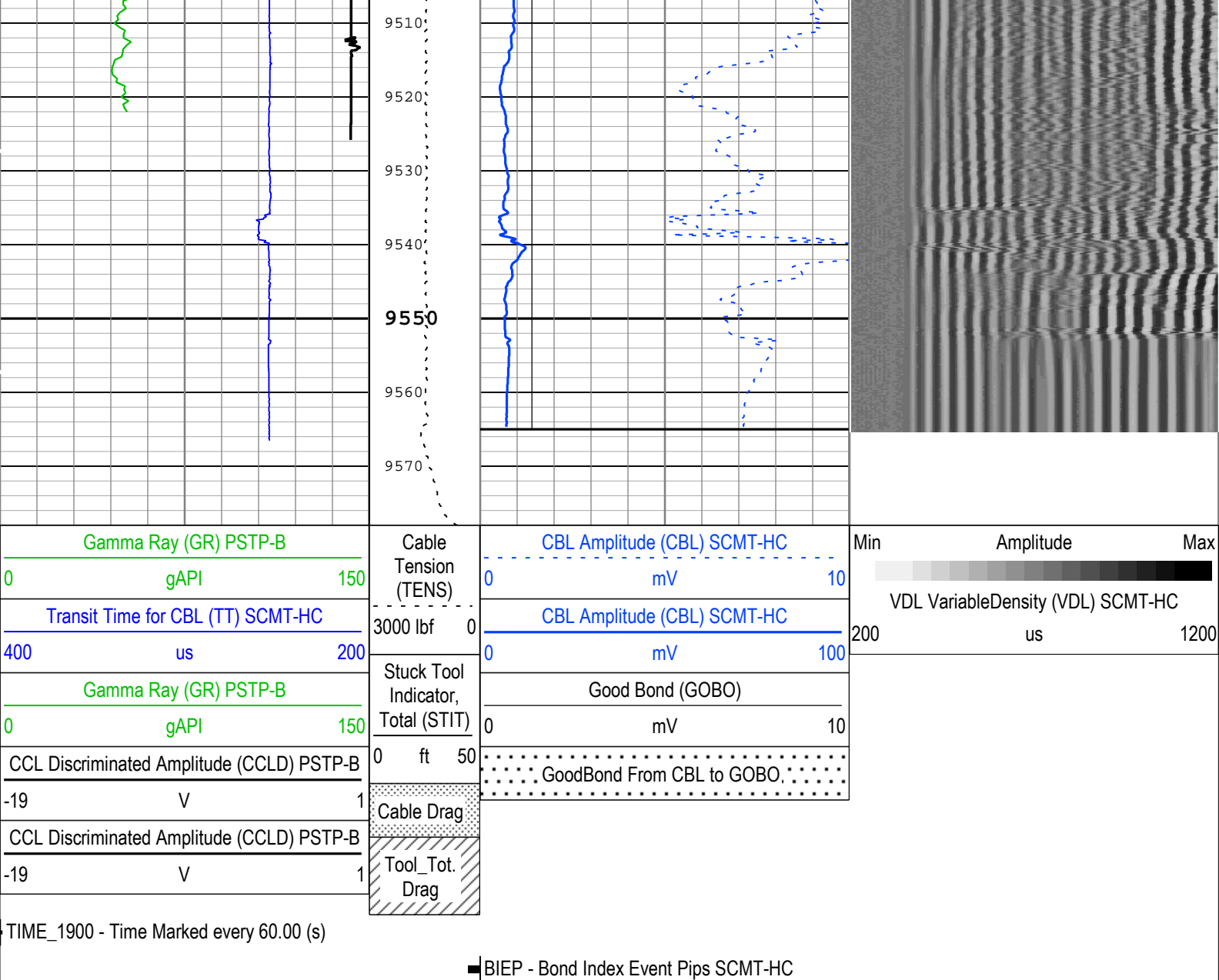












TIME_1900 - Time Marked every 60.00 (s)

■ BIEP - Bond Index Event Pips SCMT-HC

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: 14-Sep-2018 23:48:28

Channel Processing Parameters				
one: Parameters				
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	274.5	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-HC	224	us
CBLG	CBL Gate Width	SCMT-HC	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-HC	Depth Zoned	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DFD	Drilling Fluid Density	Borehole	8.5	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-HC	Depth Zoned	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	WTEP	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-HC	Depth Zoned	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-HC	Depth Zoned	ft
MSA	Minimum Sonic Amplitude	SCMT-HC	Depth Zoned	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-HC	Depth Zoned	mV

RUN_SNUM	Run Sequence Number	WSDRUN	1	
TD	Total Measured Depth	Borehole	9565	ft

Depth Zone Parameters			
Parameter	Value	Start (ft)	Stop (ft)
CBRA	80	1900	9565
CBRA	0	9565	9578
GOBO_CURR	1.4	1900	9565
GOBO_CURR	0	9565	9578
MATT_CURR	16.92	1900	9565
MATT_CURR	0	9565	9578
MCI	14.81	1900	2070
MCI	1.25	2070	9565
MCI	0	9565	9578
MSA	0.51	1900	9565
MSA	0	9565	9578
MSA_CURR	0.51	1900	9565
MSA_CURR	0	9565	9578
All depth are actual.			

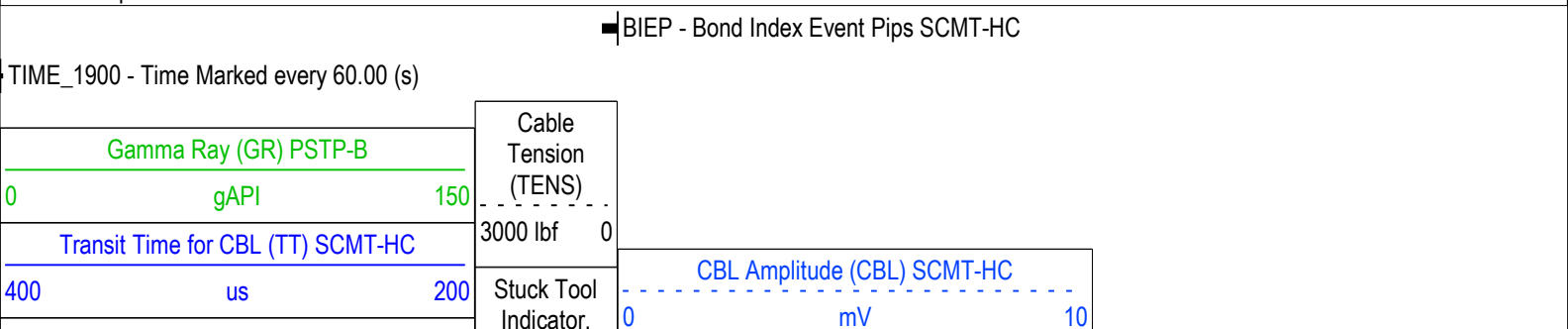
Tool Control Parameters				
one: Parameters				
Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-HC	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-B	24 dB	
one				
Repeat Pass				

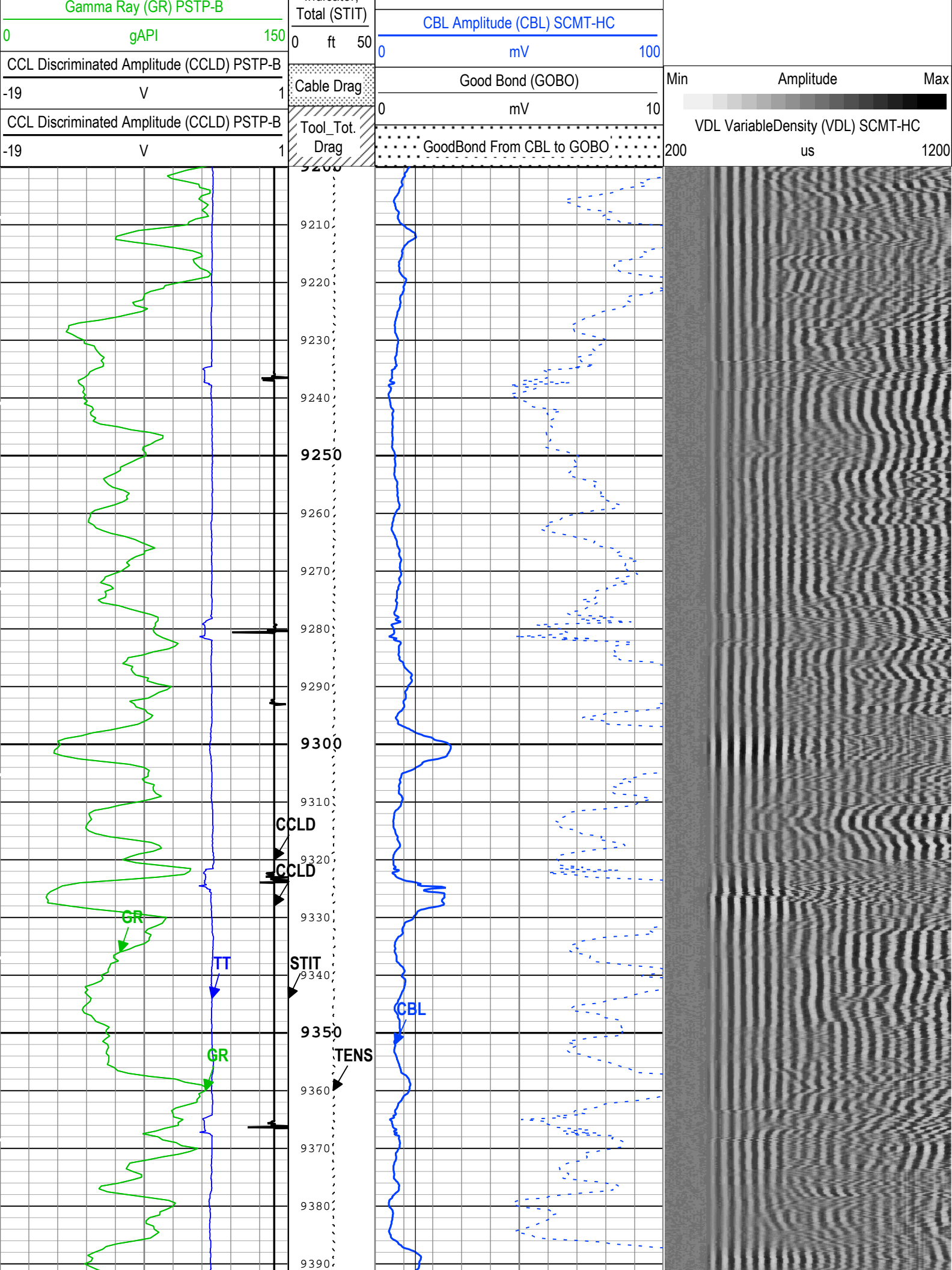
Software Version	
Acquisition System	Version
Maxwell 2018 SP1	8.1.99839.3100
Application Patch	Wireline_Hotfix-Mandatory-2018SP1_8.1.102865

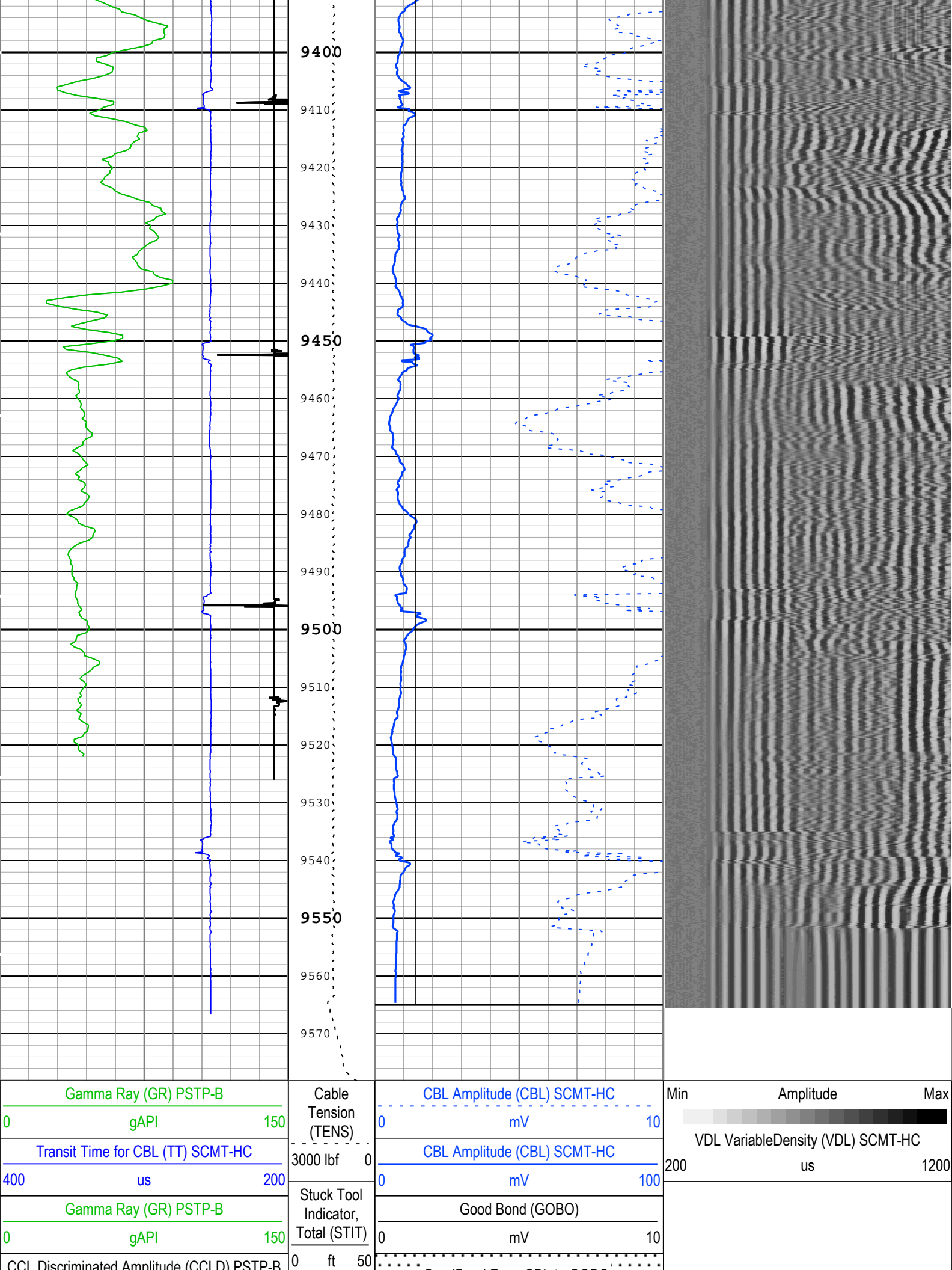
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
one	Log[4]:Up	Up	9198.28 ft	9578.20 ft	14-Sep-2018 4:21:03 PM	14-Sep-2018 4:34:21 PM	ON	6.99 ft	No

All depths are referenced to toolstring zero									
Log	Company:Caerus Operating LLC				Well:NPR 15B-10 596				
					one: Log[4]:Up:S002				

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: 14-Sep-2018 23:48:36







CCL Discriminated Amplitude (CCLD) PSTP-B	-19	V	1	Cable Drag GoodBond From CBL to GOBO
CCL Discriminated Amplitude (CCLD) PSTP-B	-19	V	1	Tool_Tot. Drag	
TIME_1900 - Time Marked every 60.00 (s)					
■ BIEP - Bond Index Event Pips SCMT-HC					
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: 14-Sep-2018 23:48:36					

Channel Processing Parameters

one: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	274.5	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-HC	224	us
CBLG	CBL Gate Width	SCMT-HC	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-HC	Depth Zoned	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DFD	Drilling Fluid Density	Borehole	8.5	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-HC	Depth Zoned	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	WTEP	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-HC	Depth Zoned	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-HC	Depth Zoned	ft
MSA	Minimum Sonic Amplitude	SCMT-HC	Depth Zoned	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-HC	Depth Zoned	mV
RUN_SNUM	Run Sequence Number	WSDRUN	1	
TD	Total Measured Depth	Borehole	9565	ft

Depth Zone Parameters

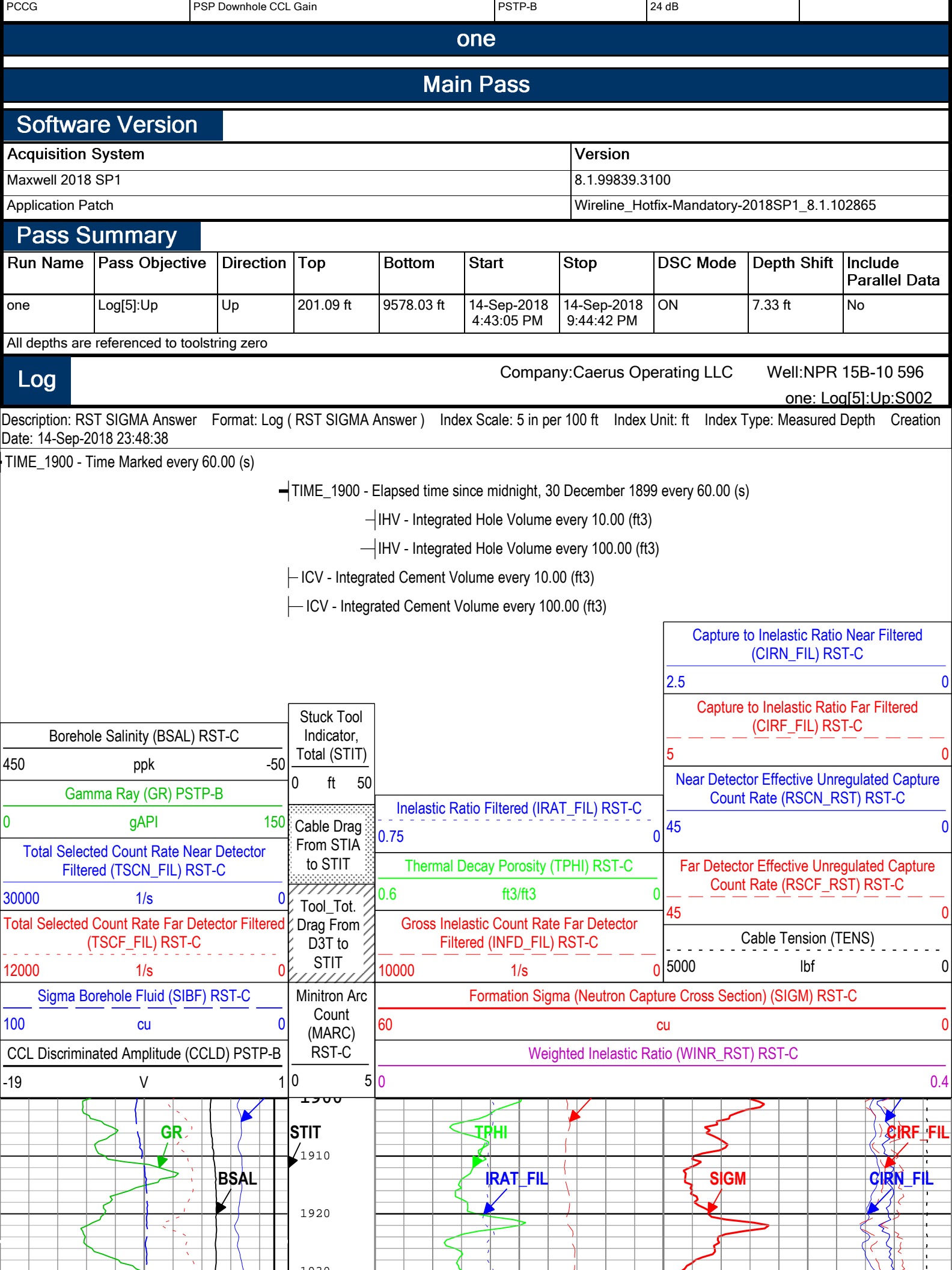
Parameter	Value	Start (ft)	Stop (ft)
CBRA	80	9200	9565
CBRA	0	9565	9578.17
GOBO_CURR	1.4	9200	9565
GOBO_CURR	0	9565	9578.17
MATT_CURR	16.92	9200	9565
MATT_CURR	0	9565	9578.17
MCI	1.25	9200	9565
MCI	0	9565	9578.17
MSA	0.51	9200	9565
MSA	0	9565	9578.17
MSA_CURR	0.51	9200	9565
MSA_CURR	0	9565	9578.17

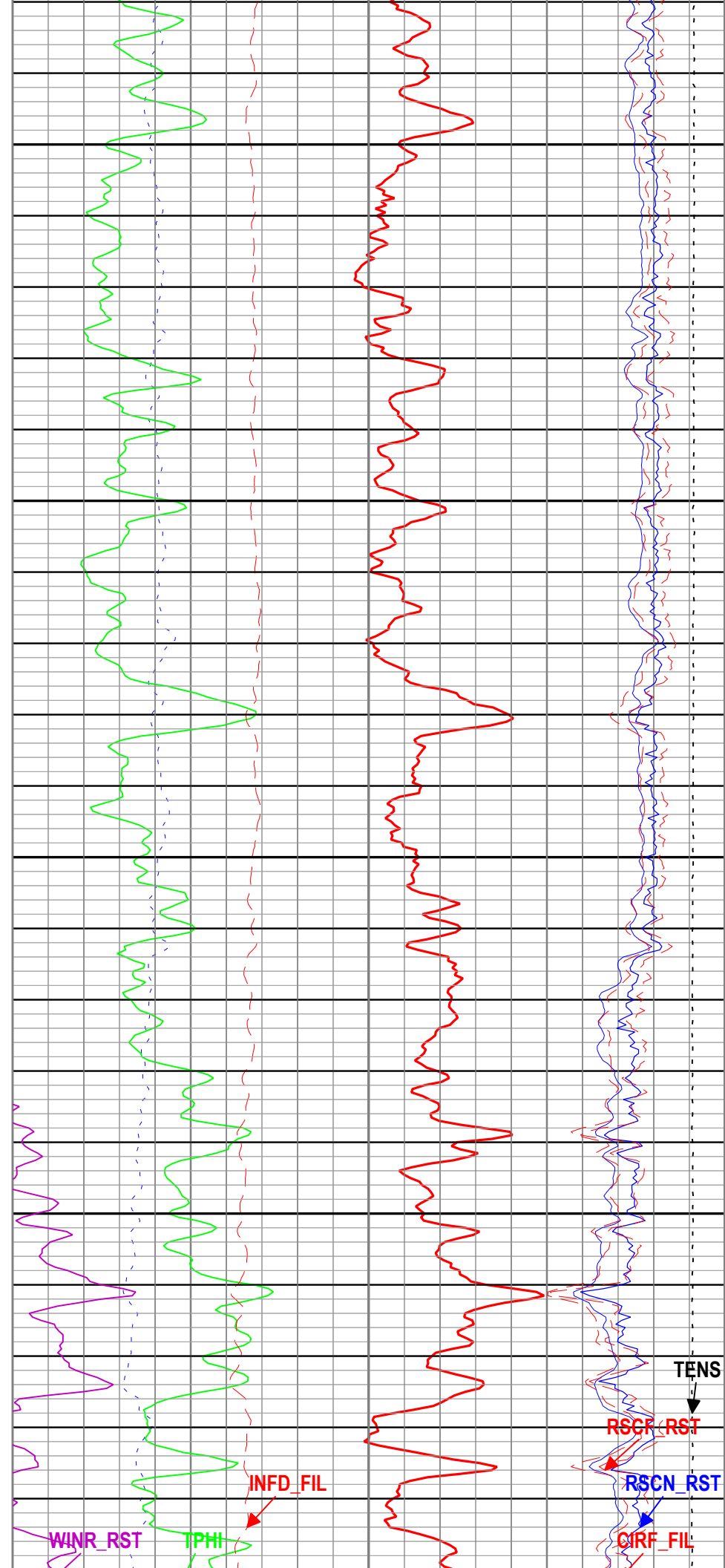
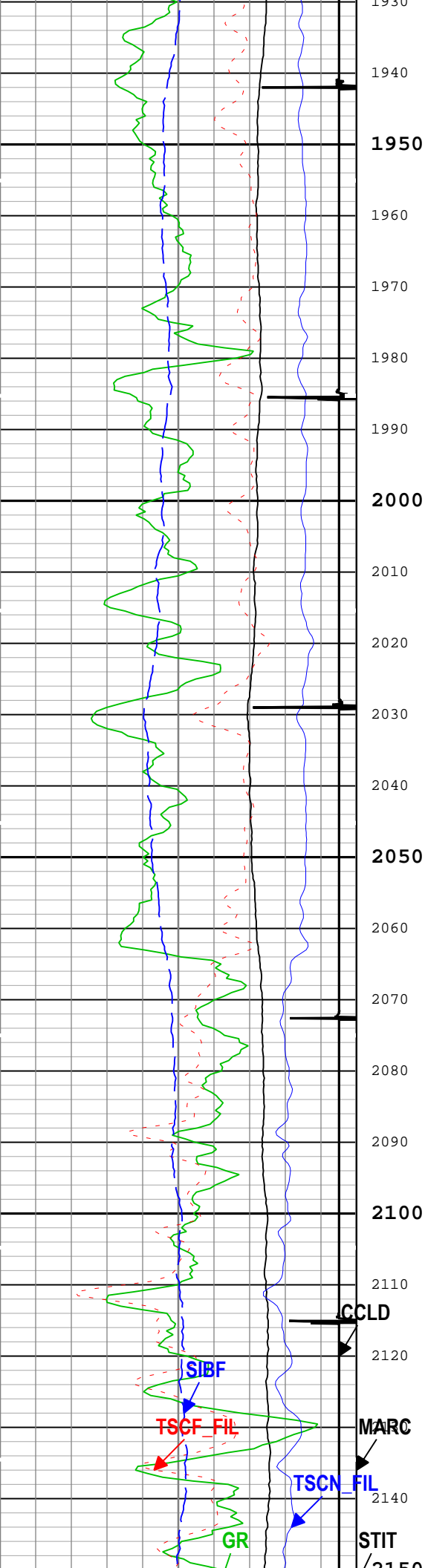
All depth are actual.

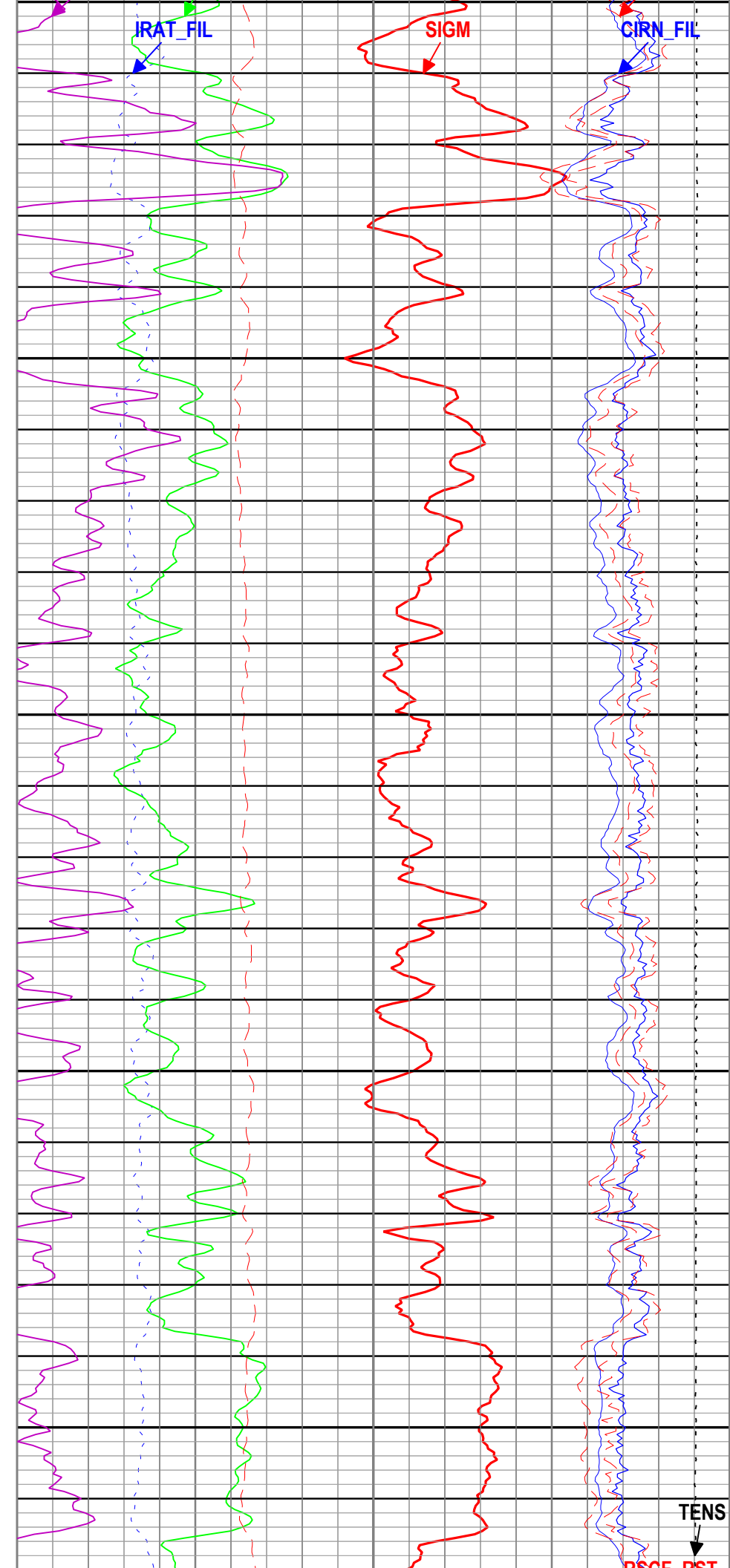
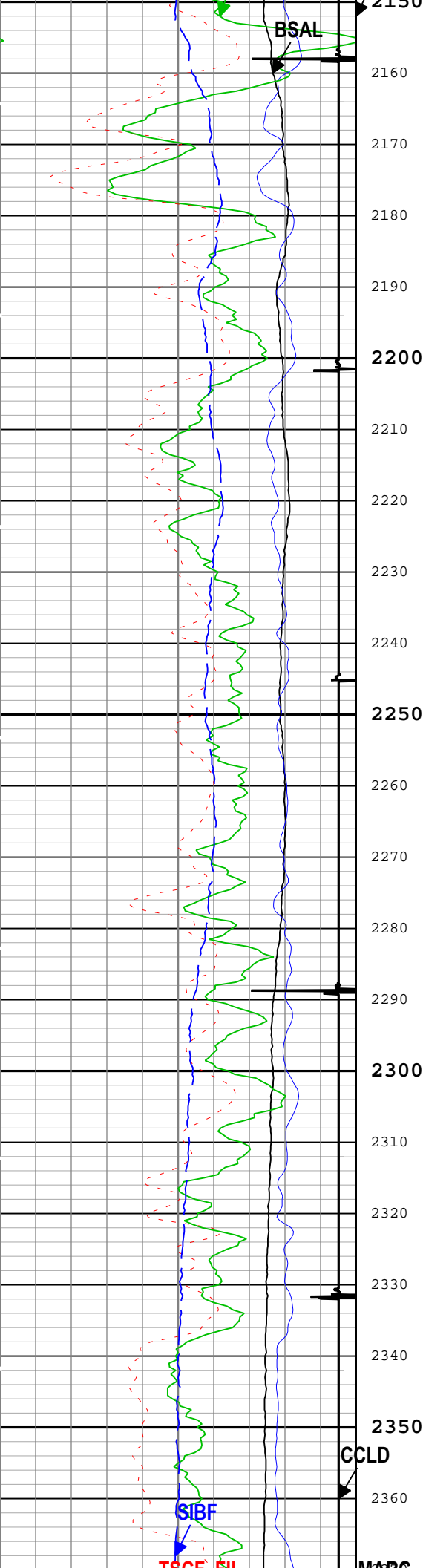
Tool Control Parameters

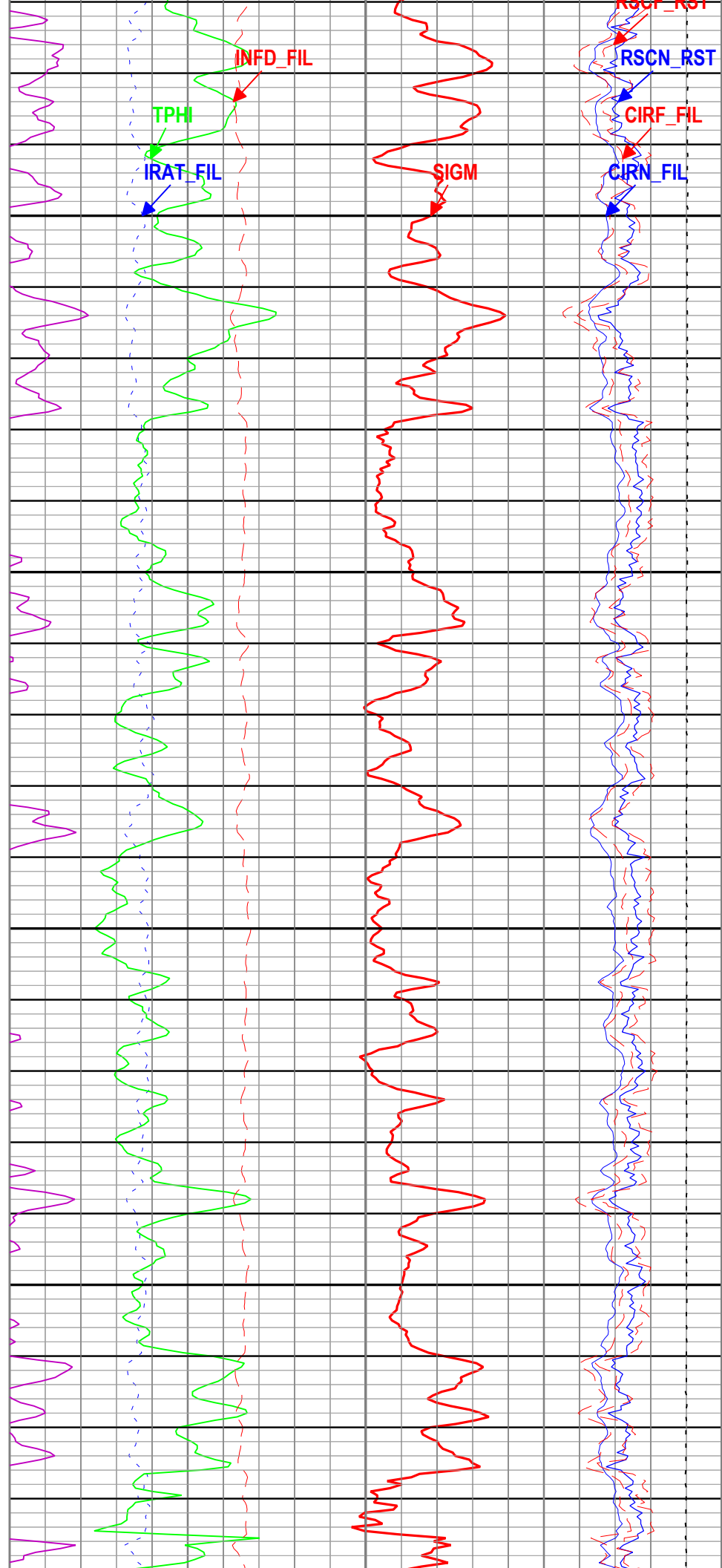
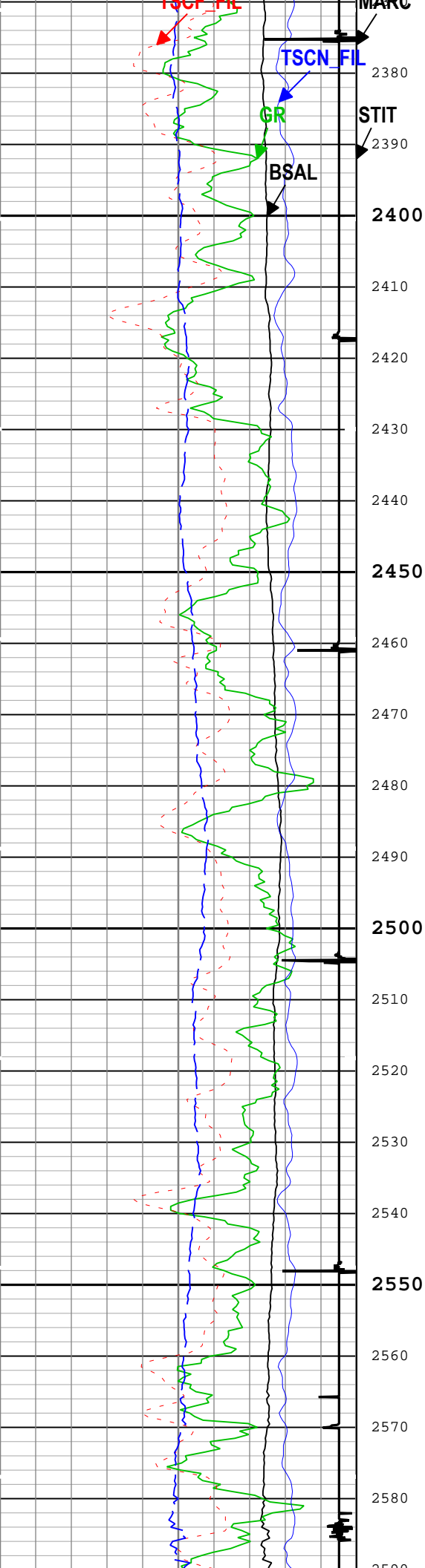
one: Parameters

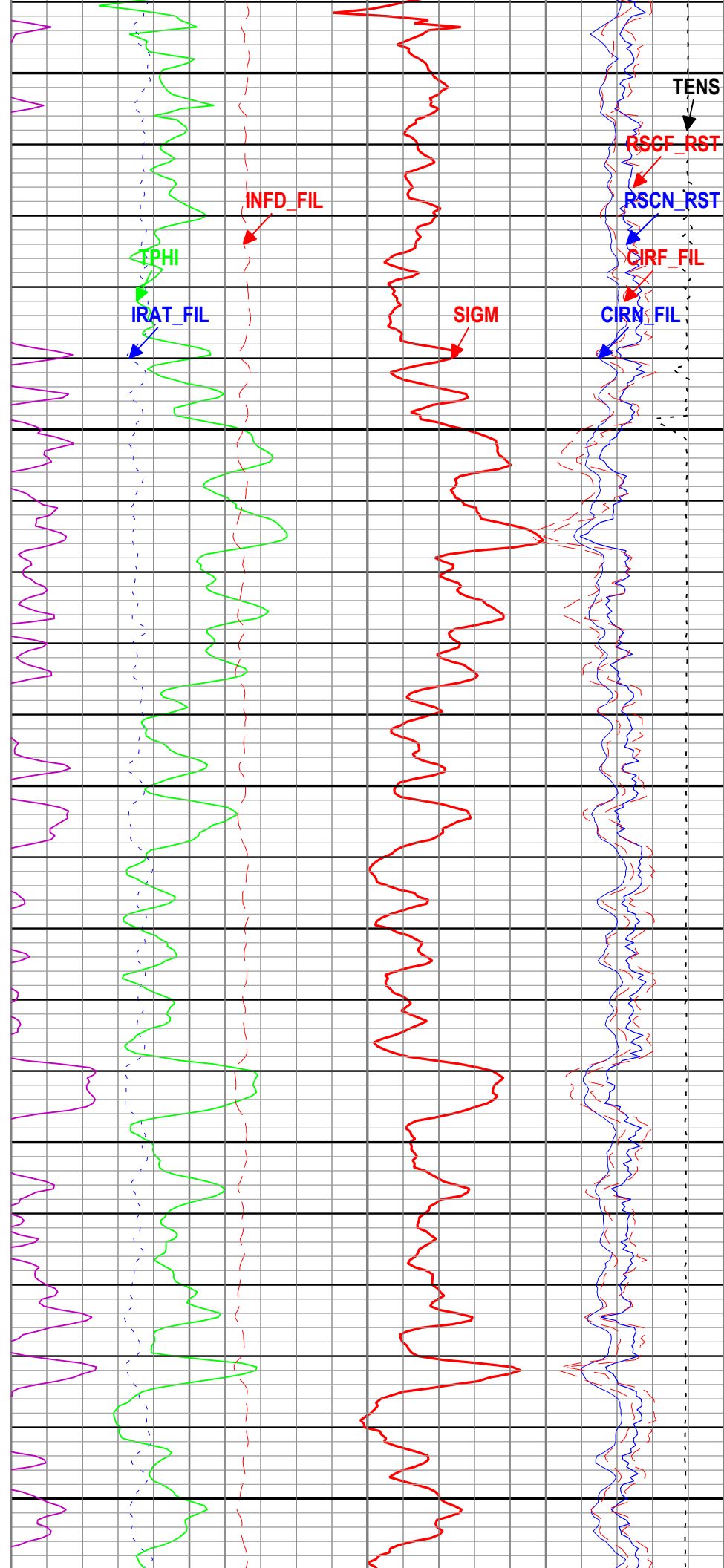
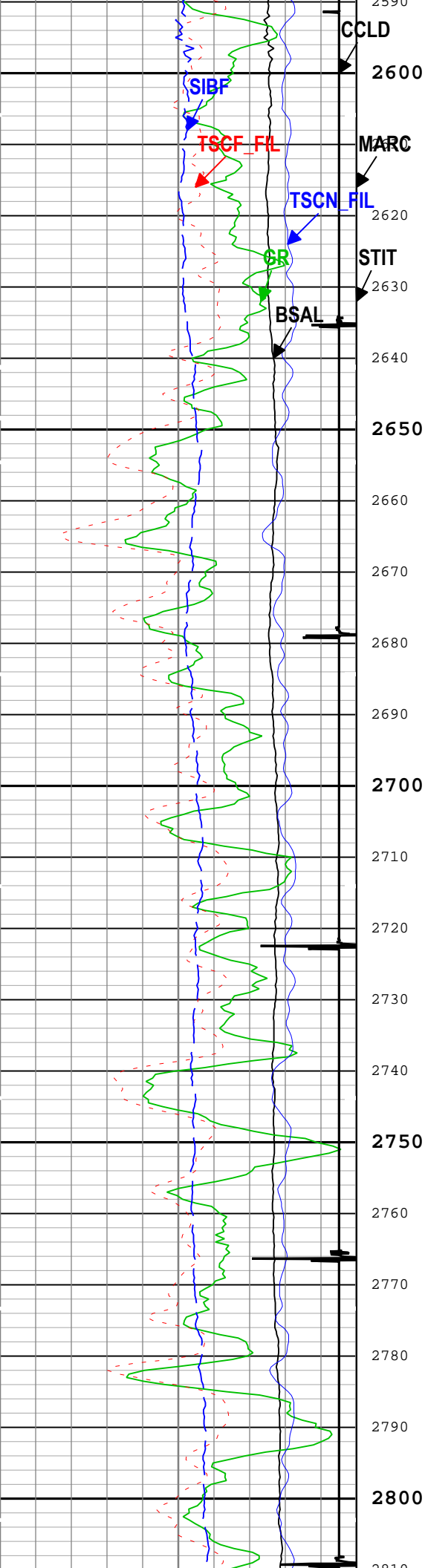
Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-HC	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h

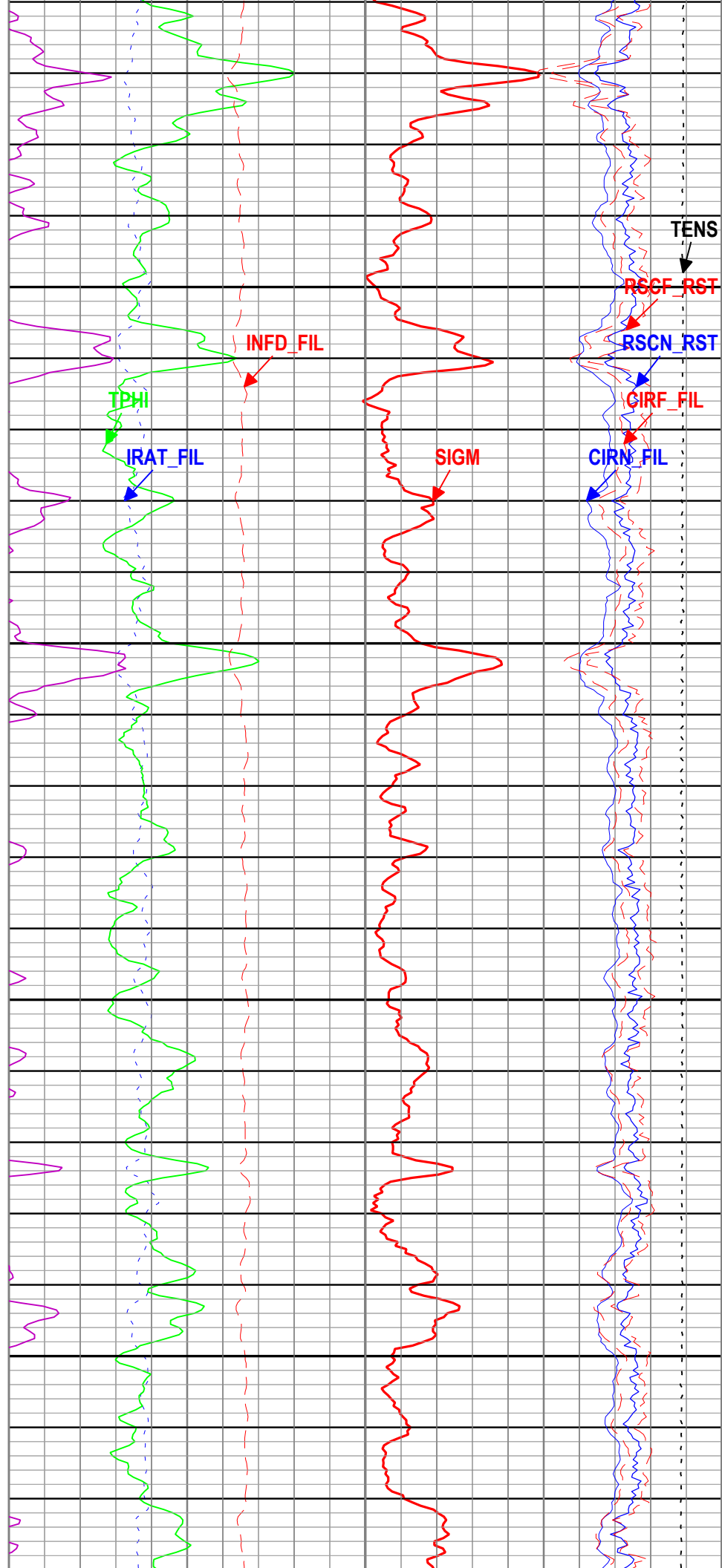
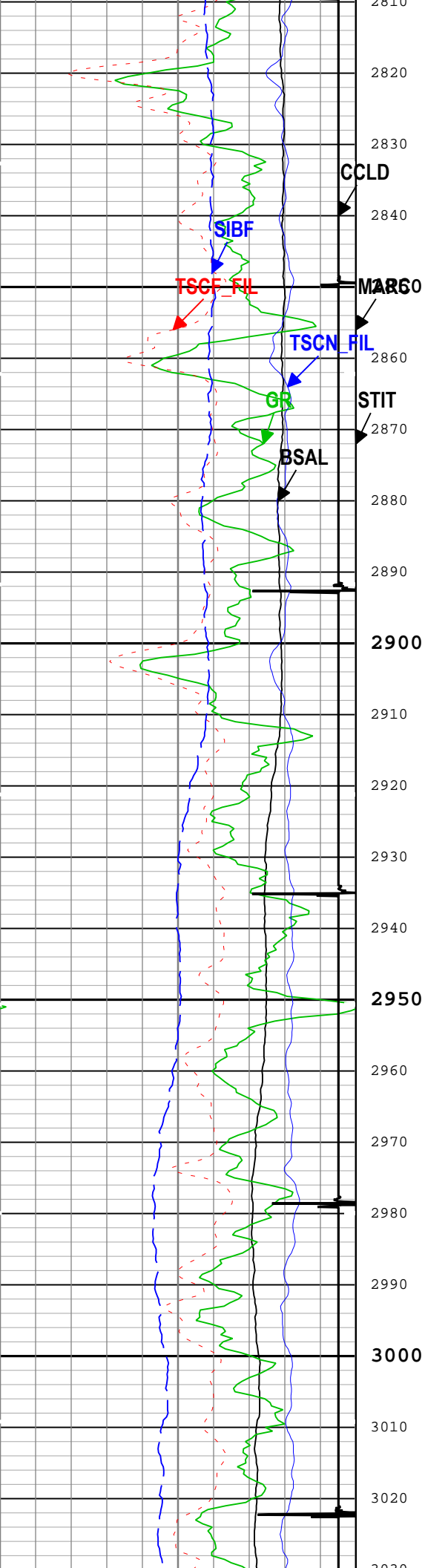


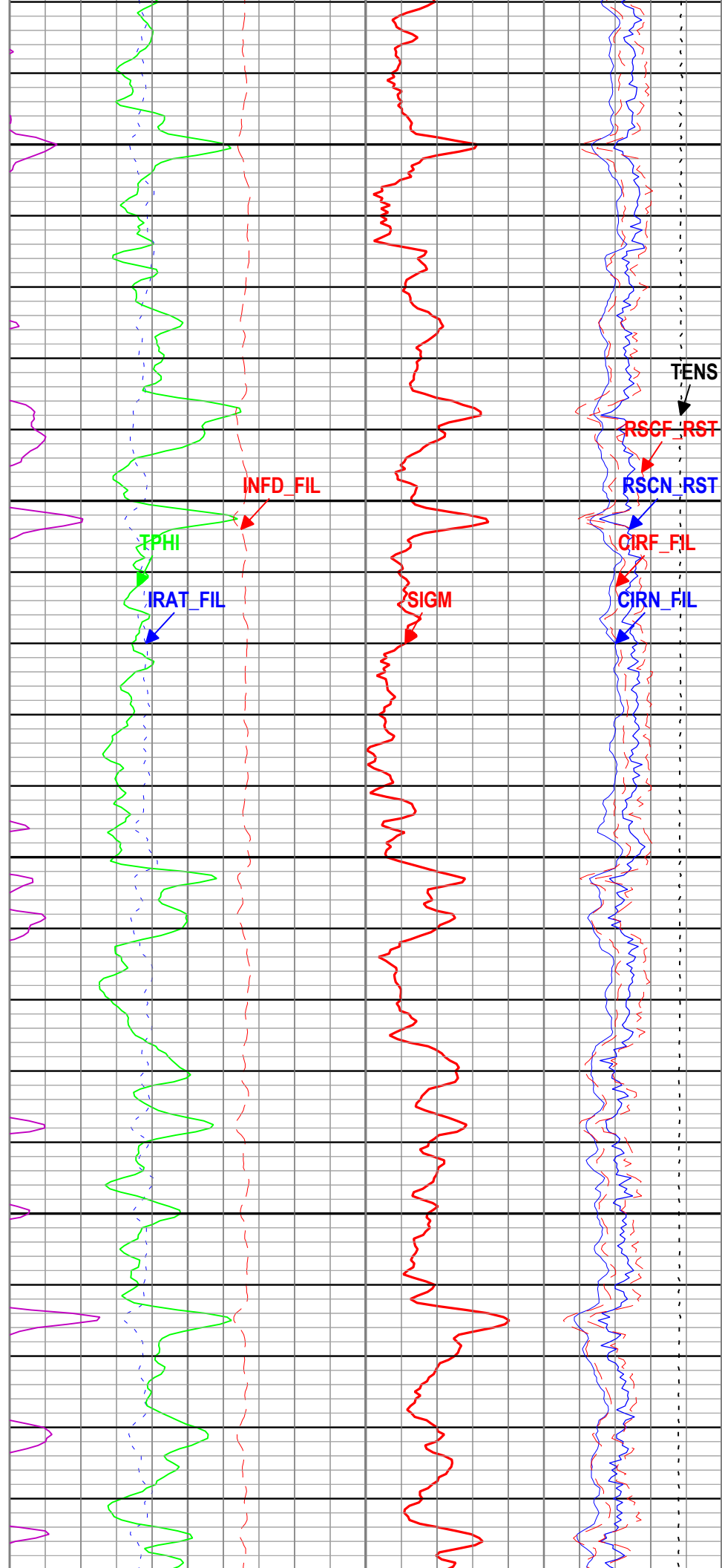
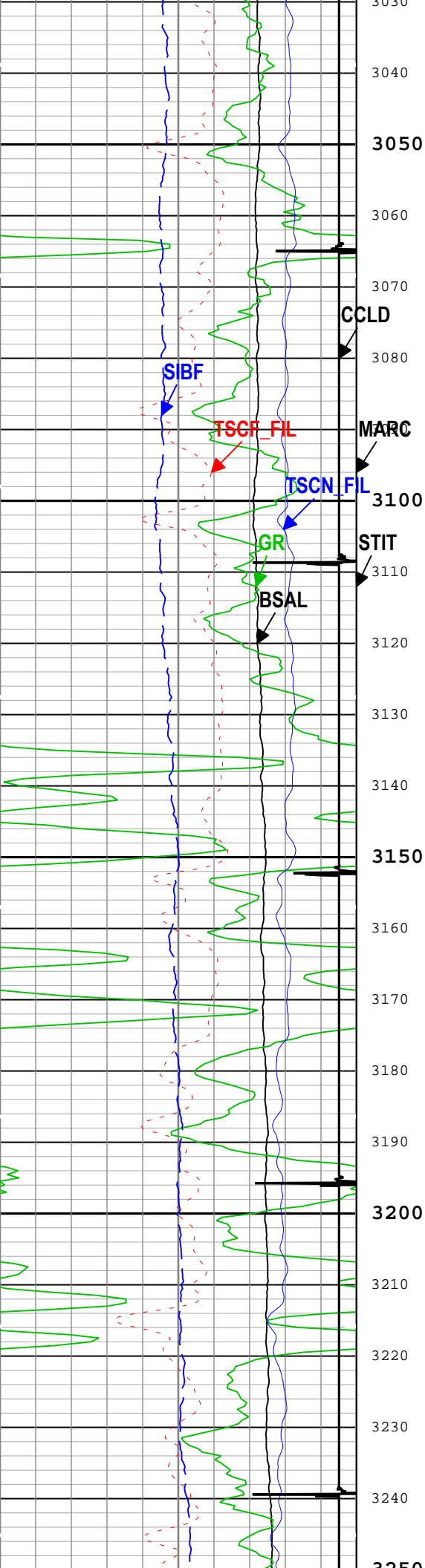


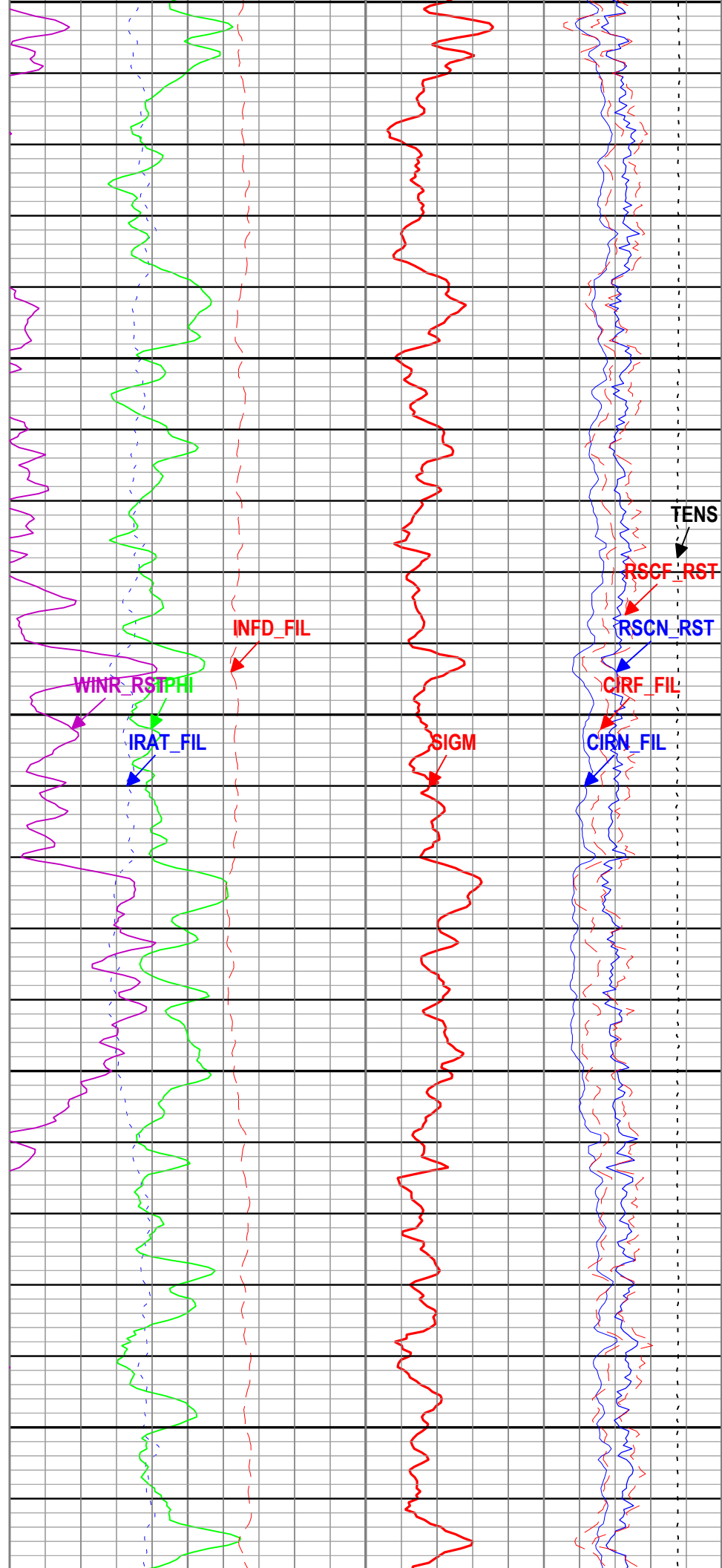
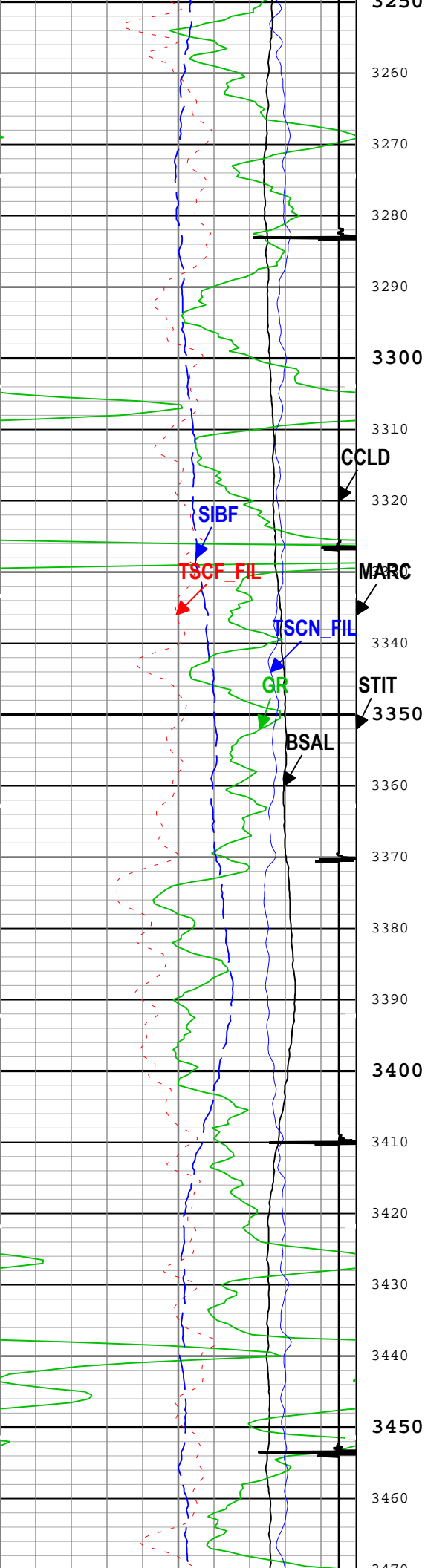


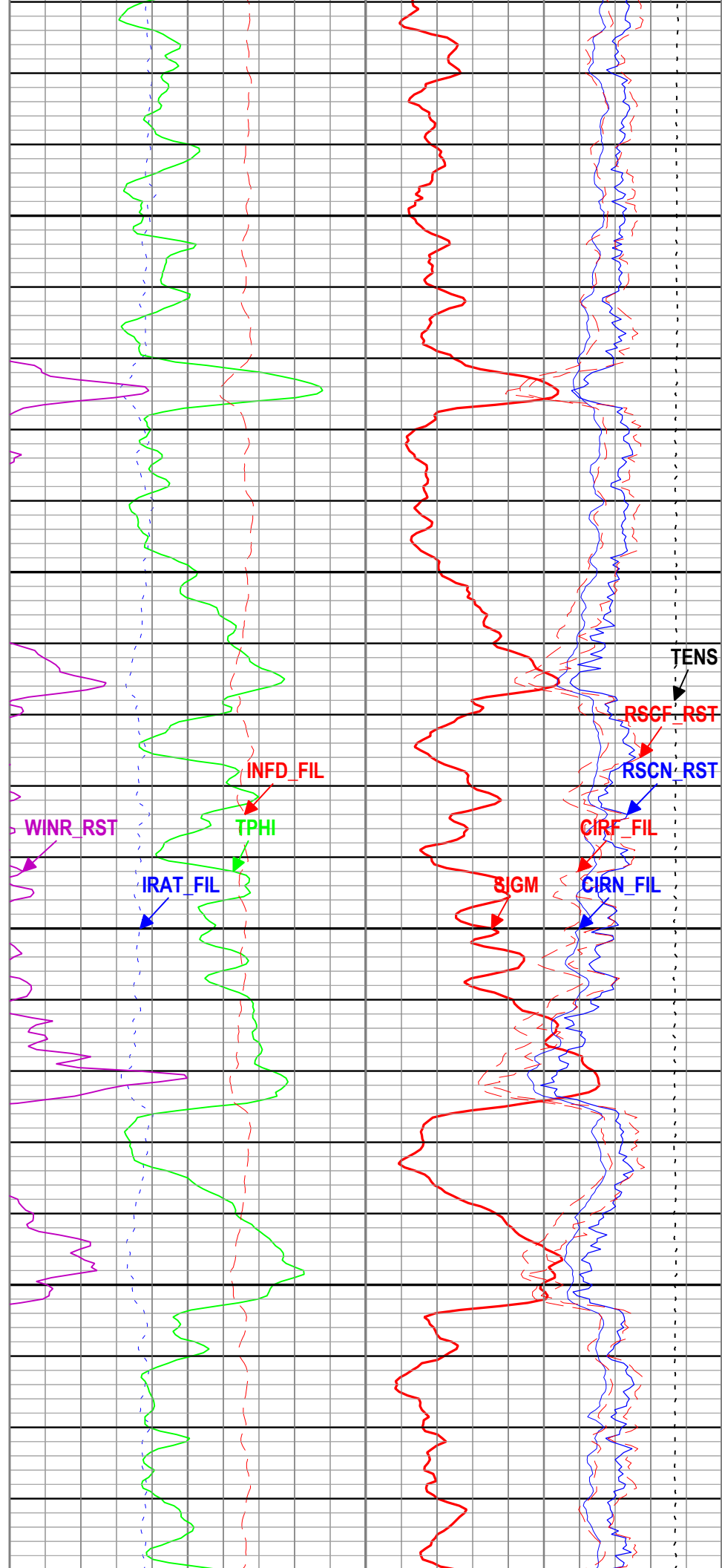
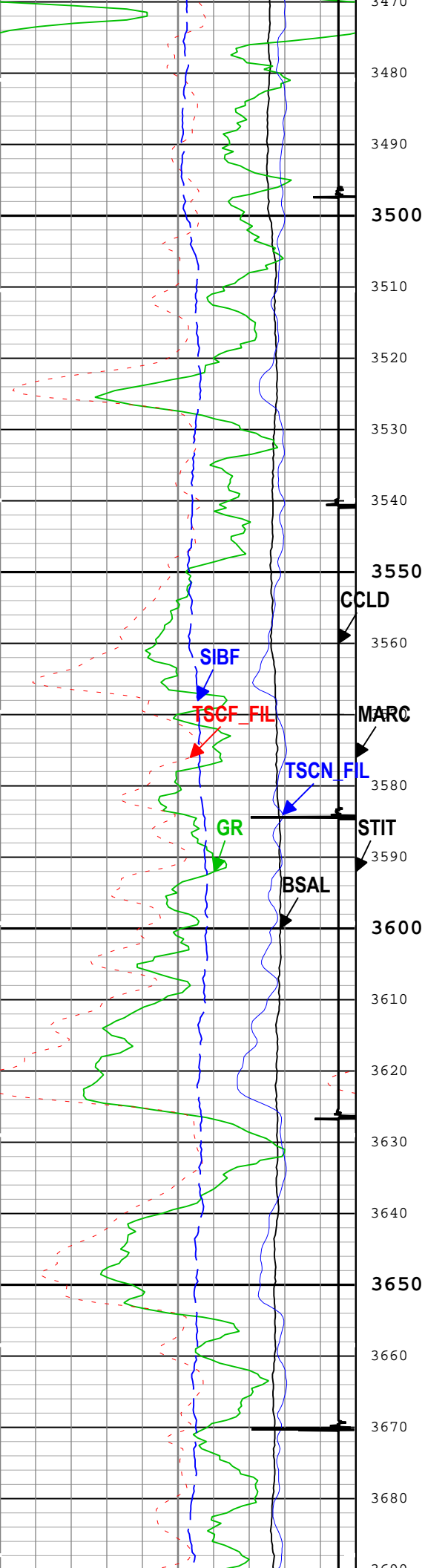


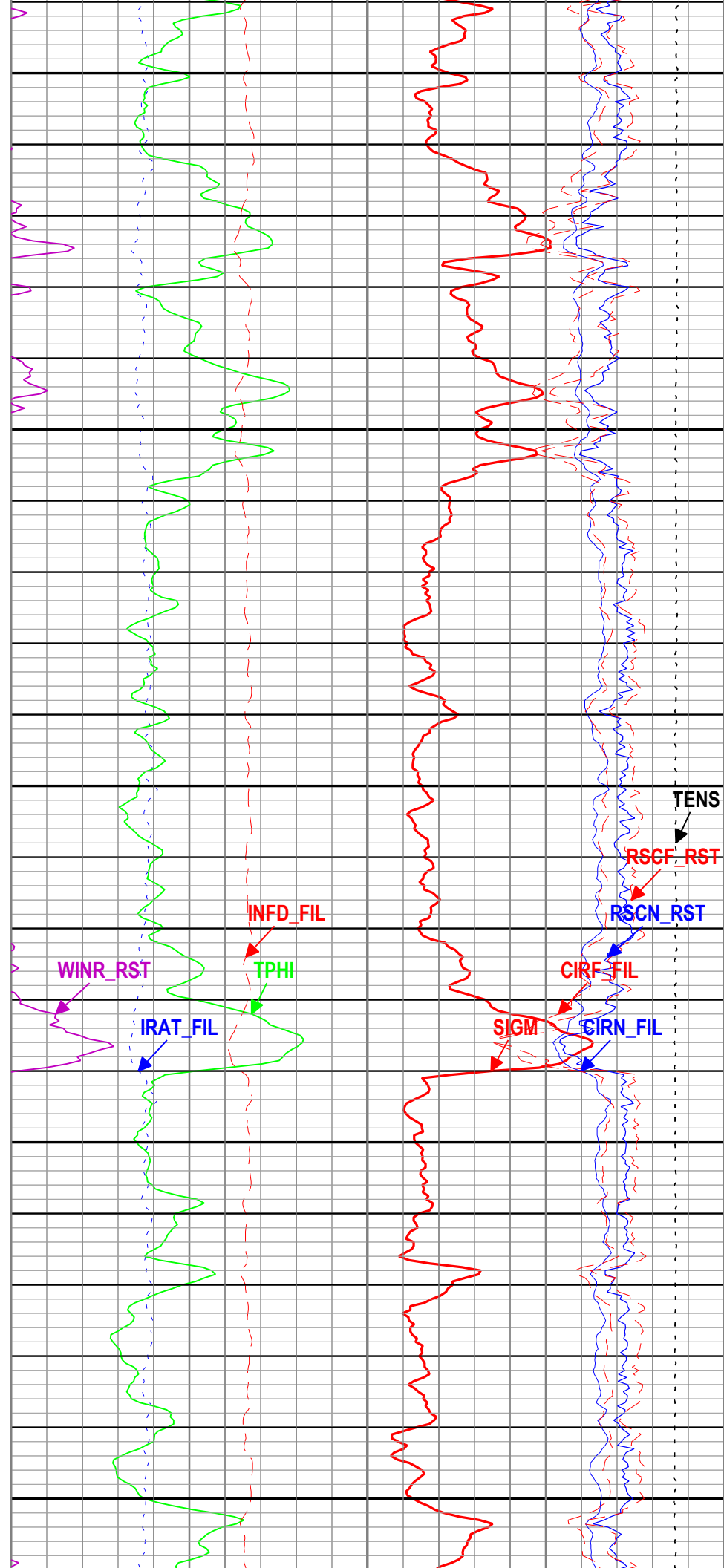
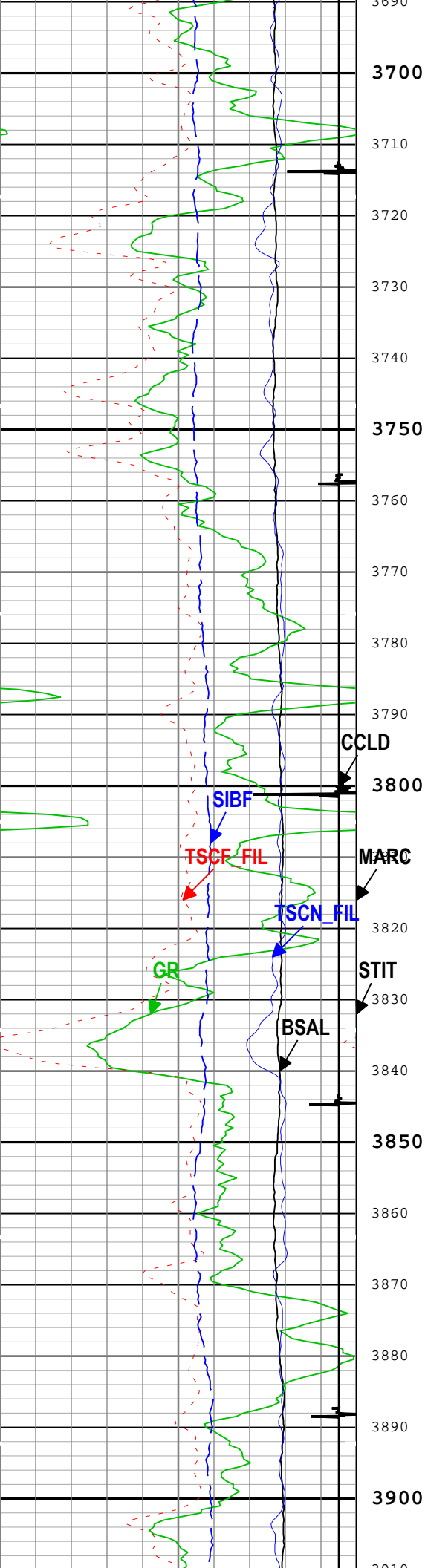


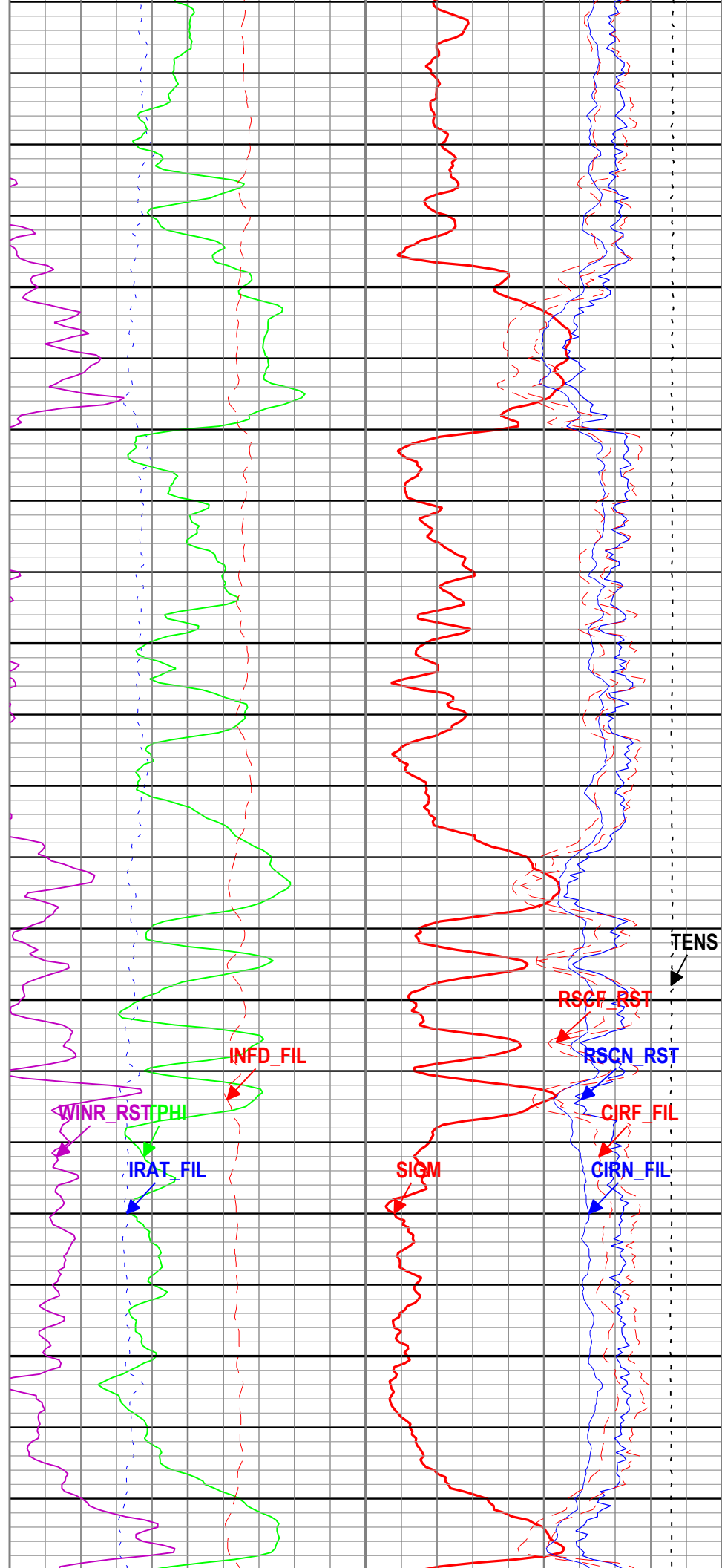
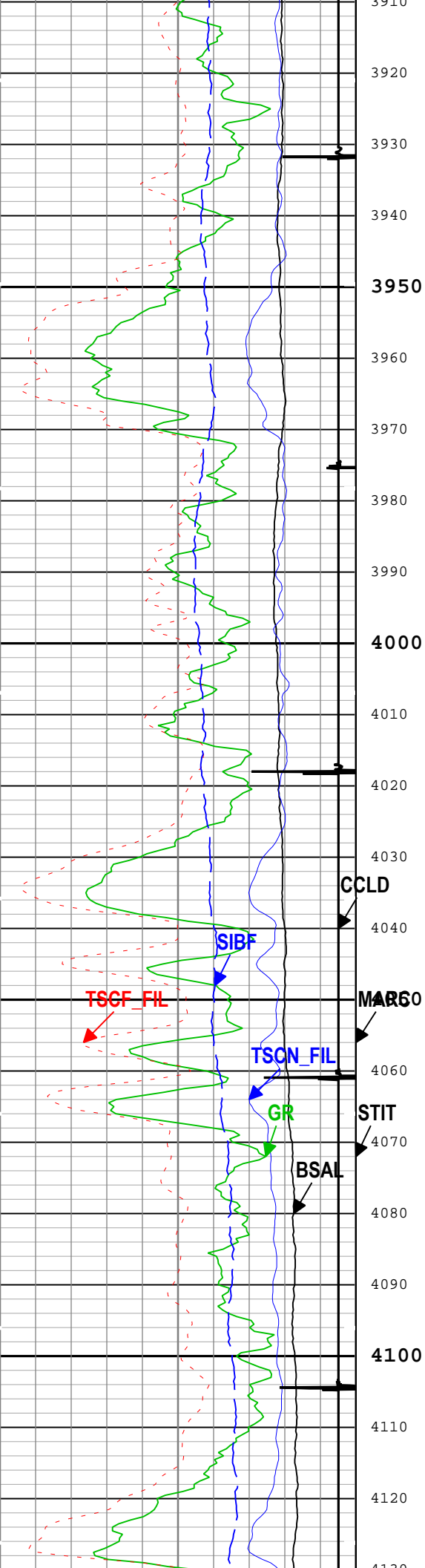


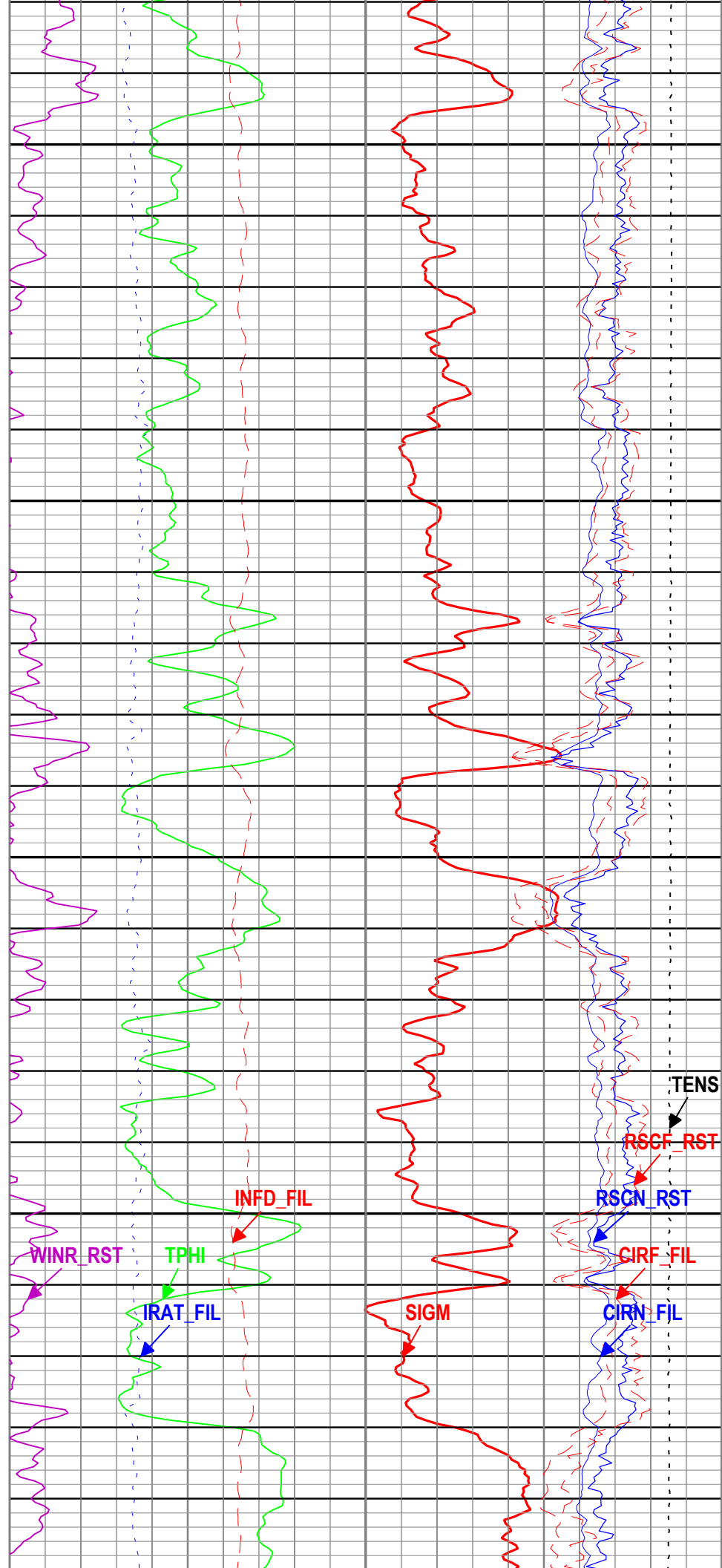
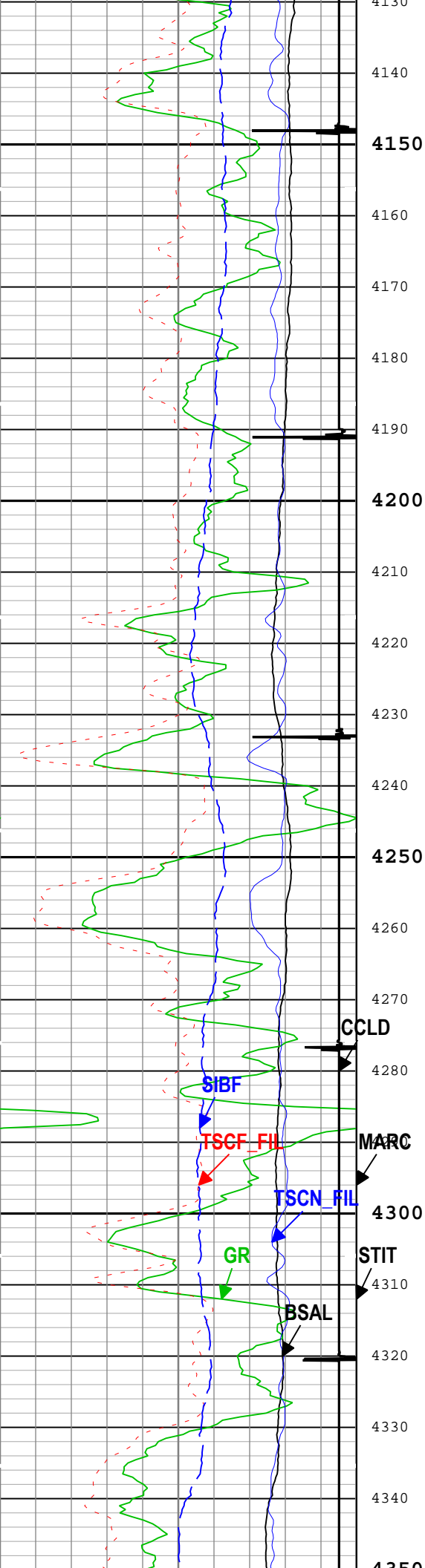


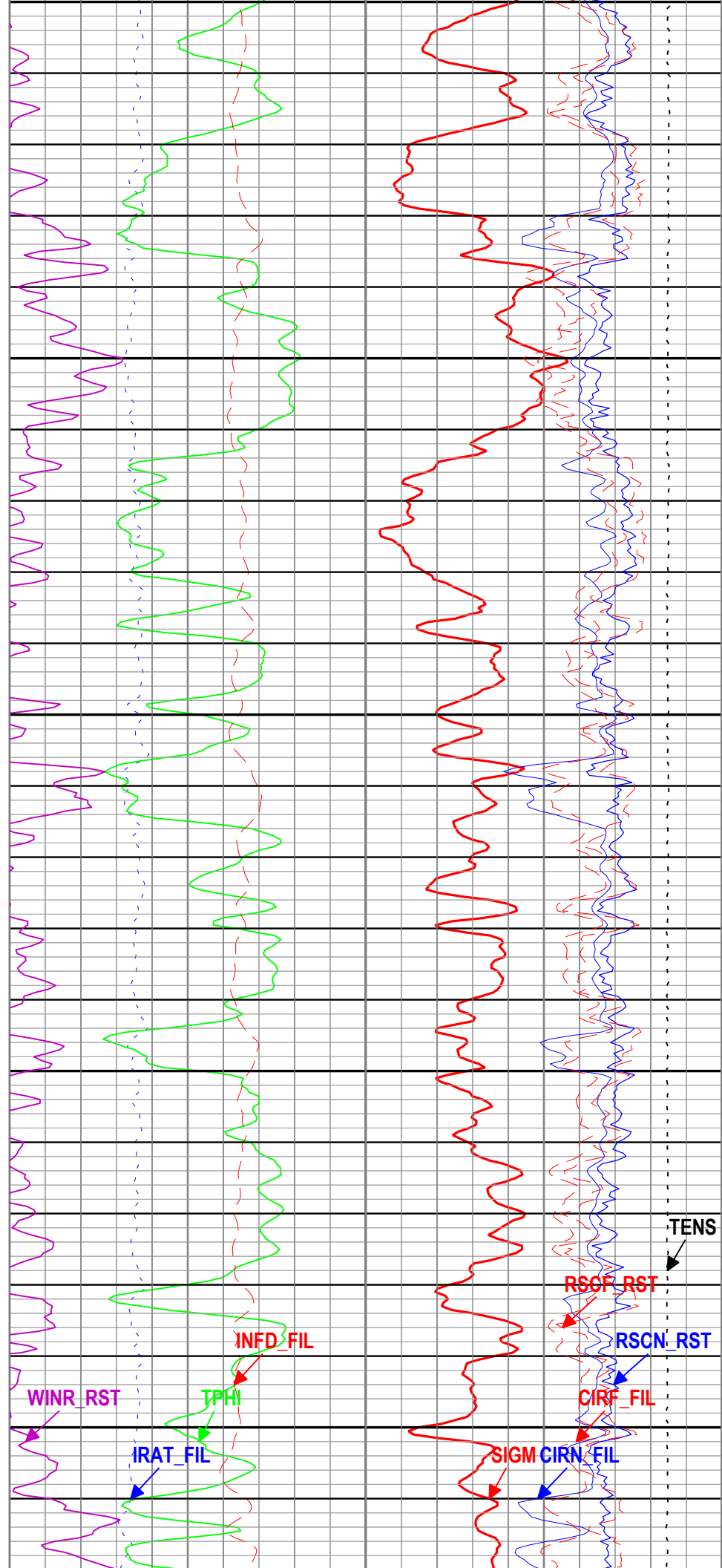
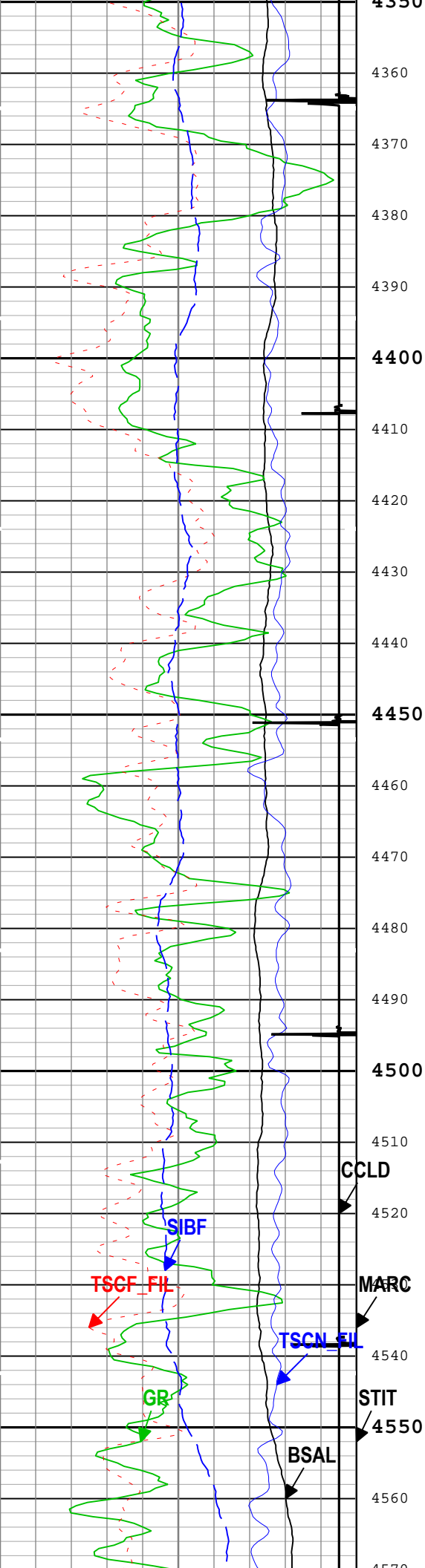


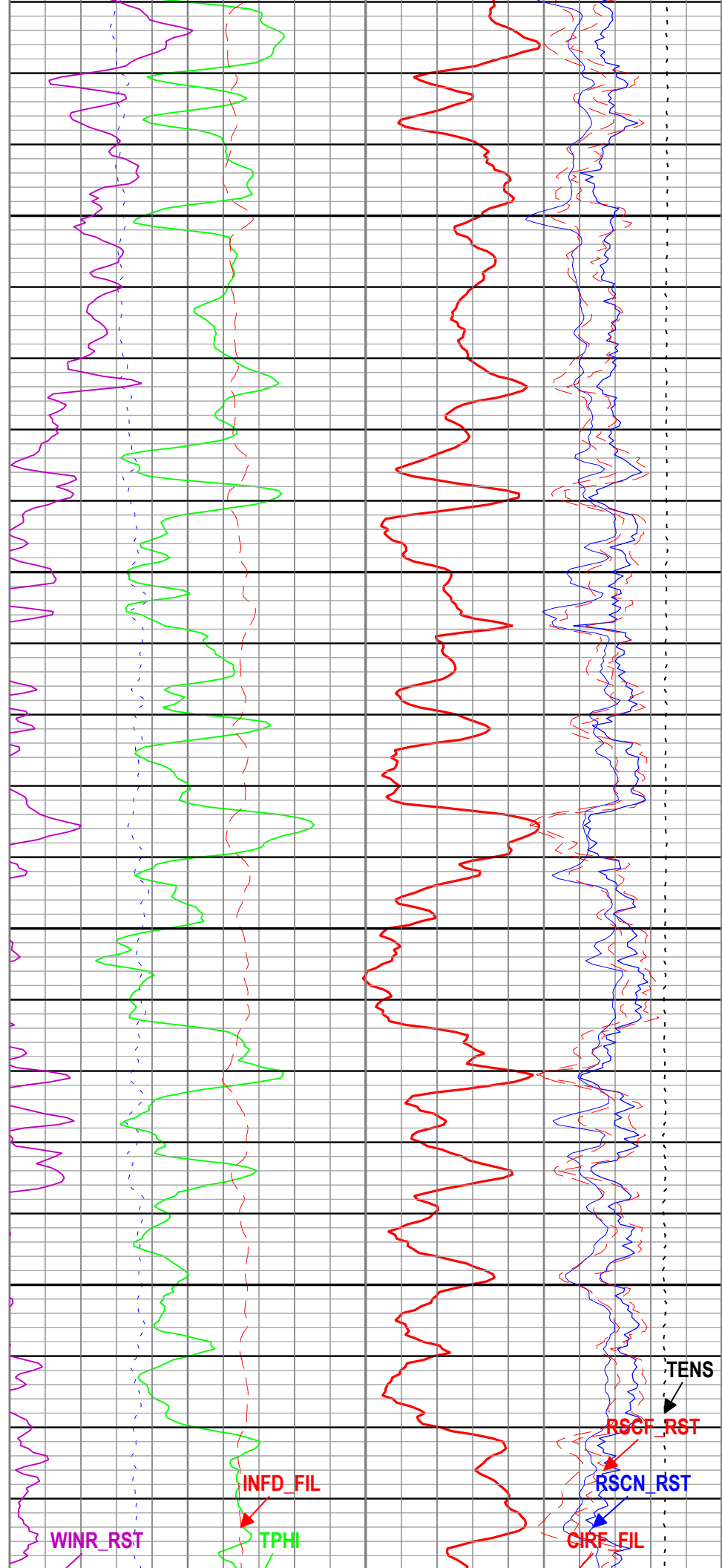
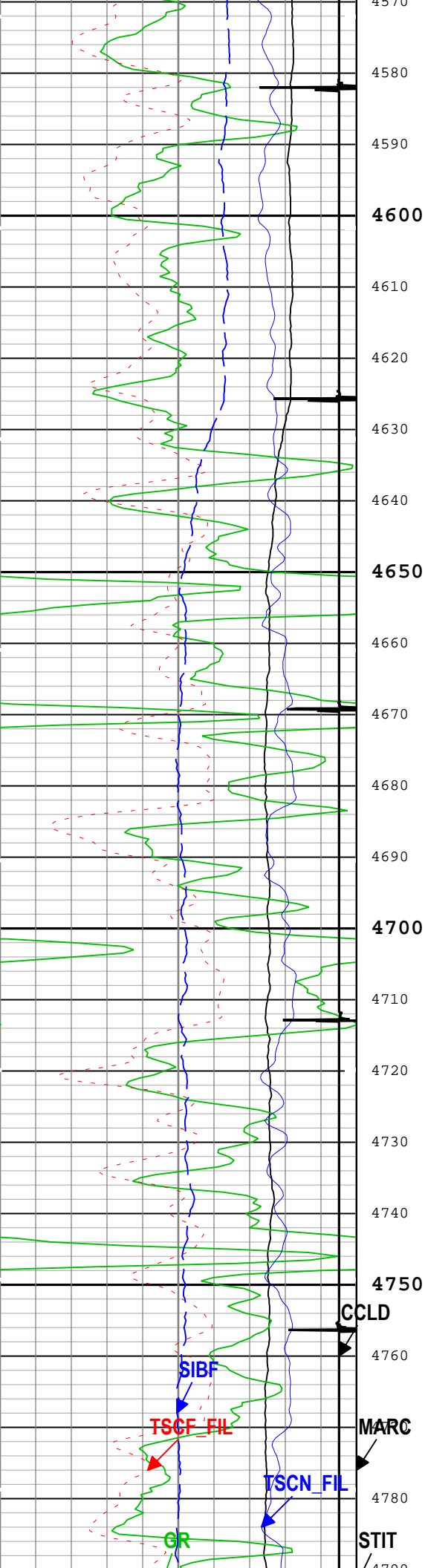


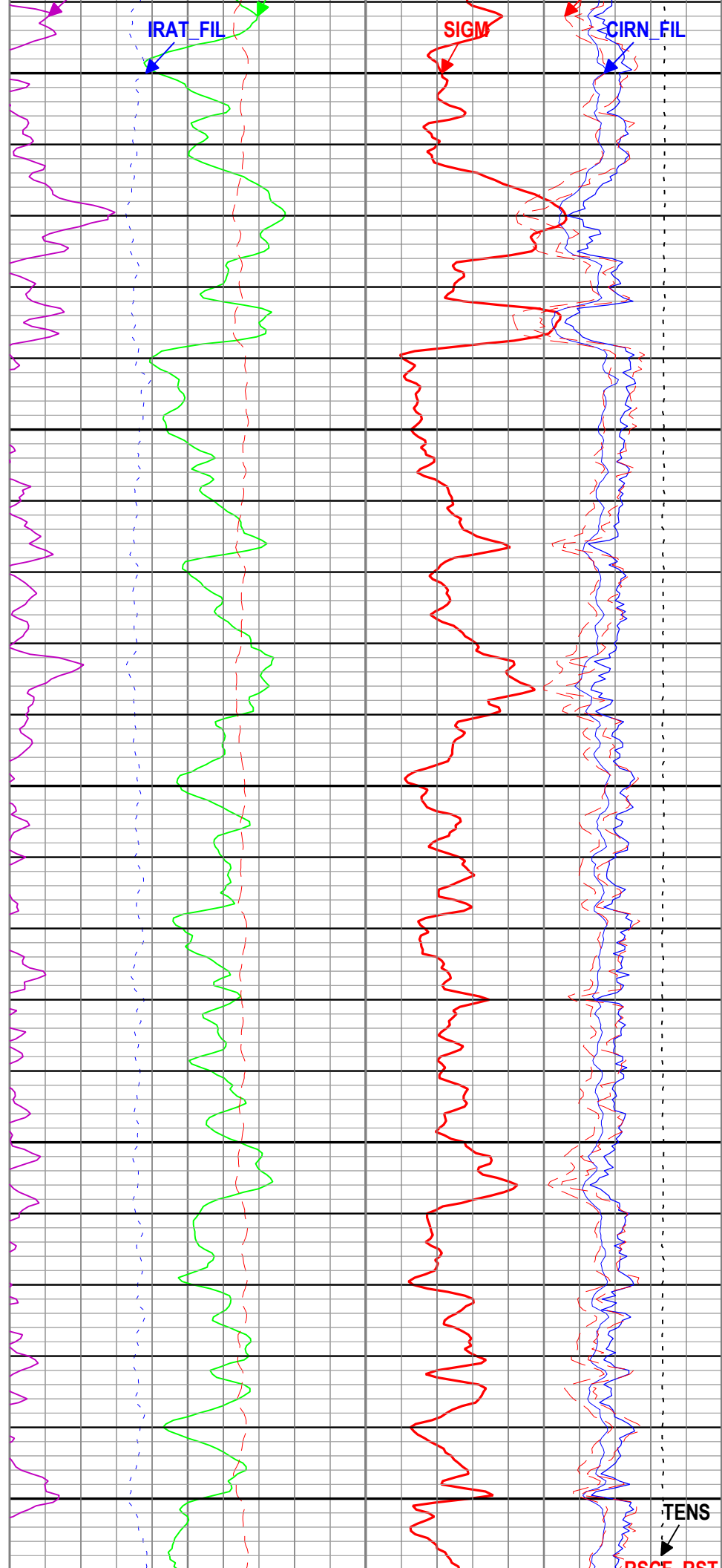
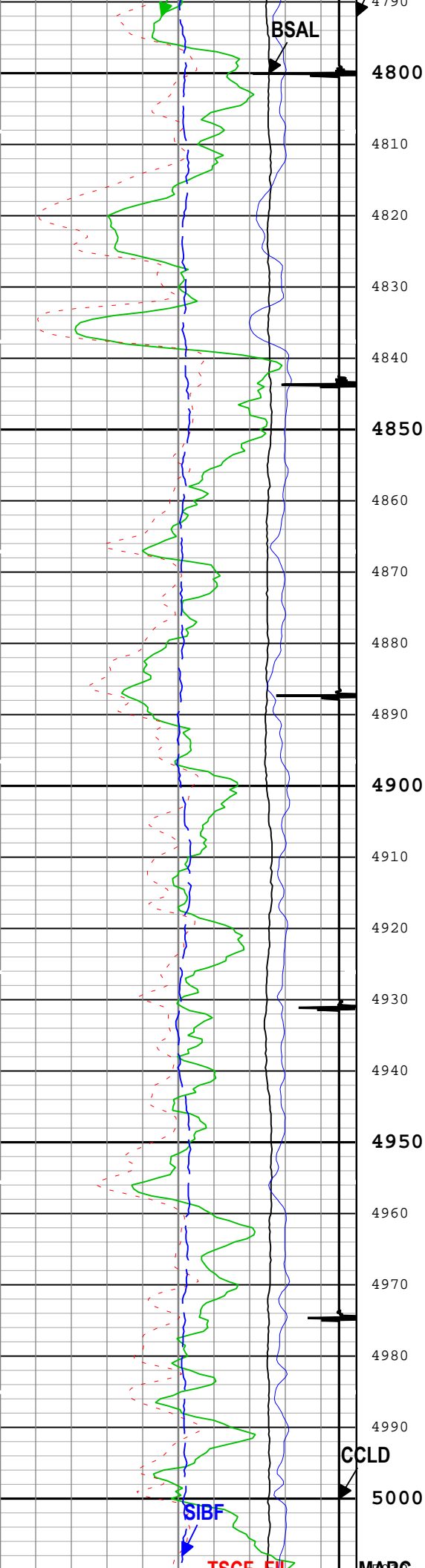


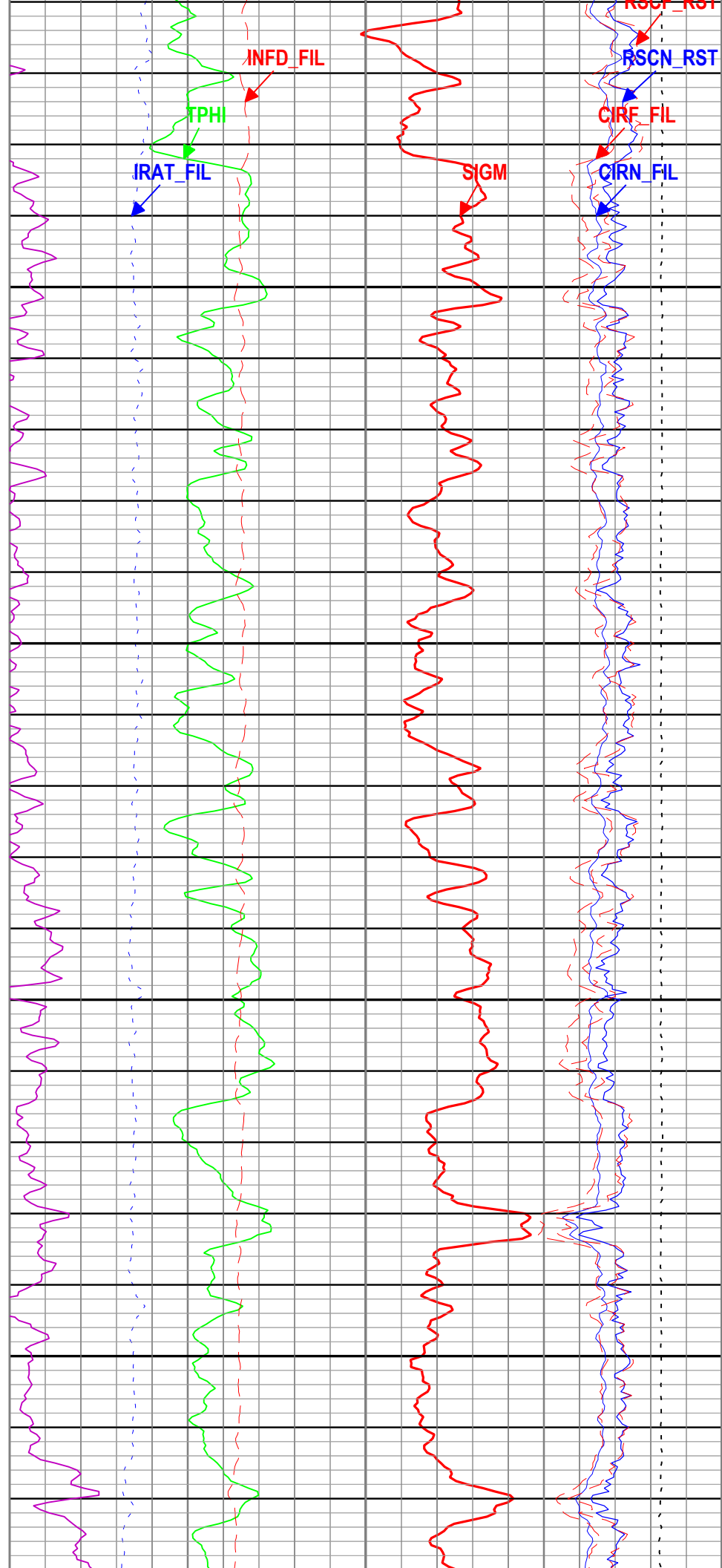
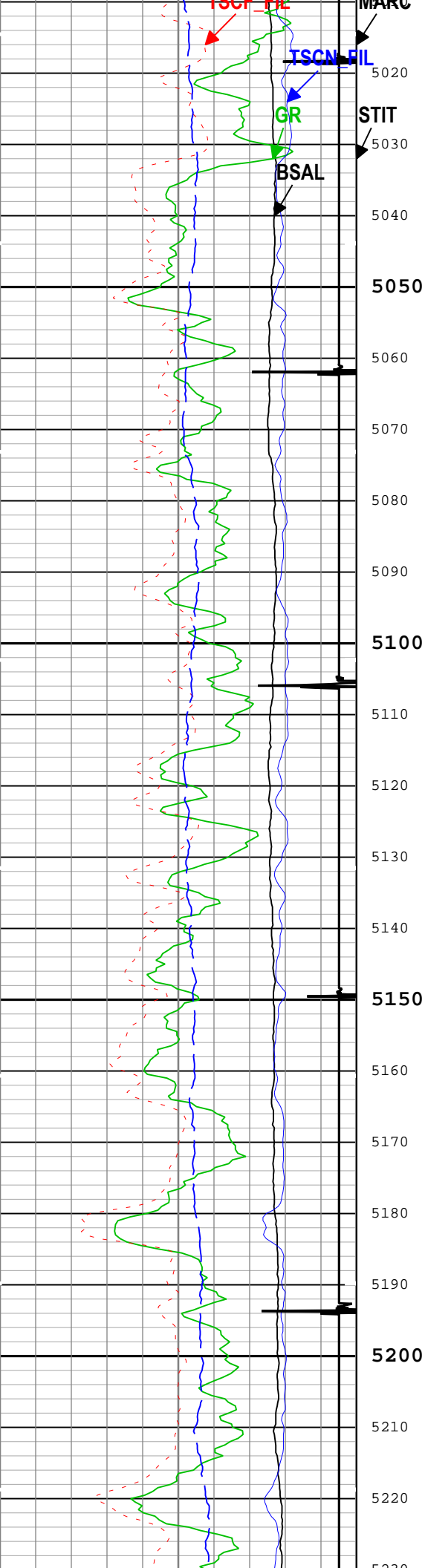


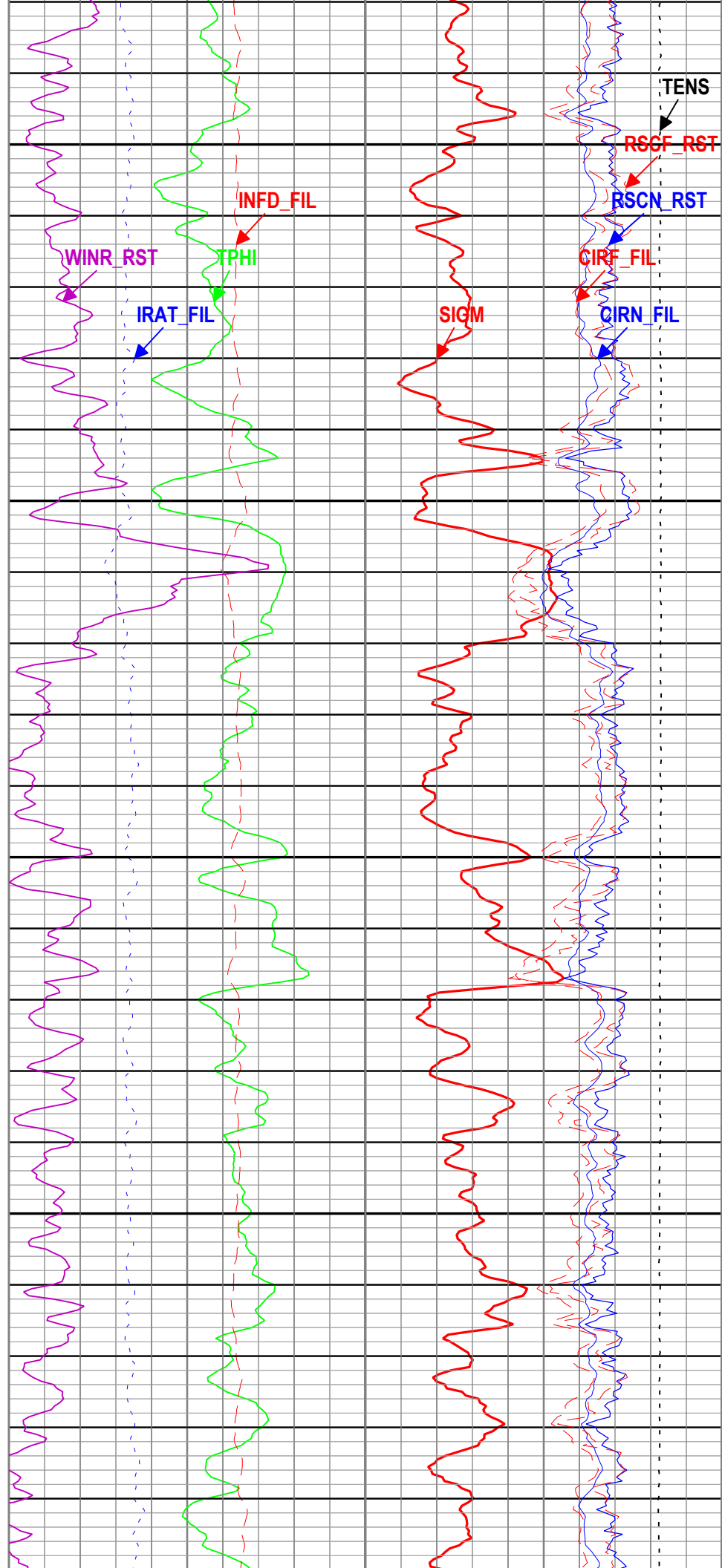
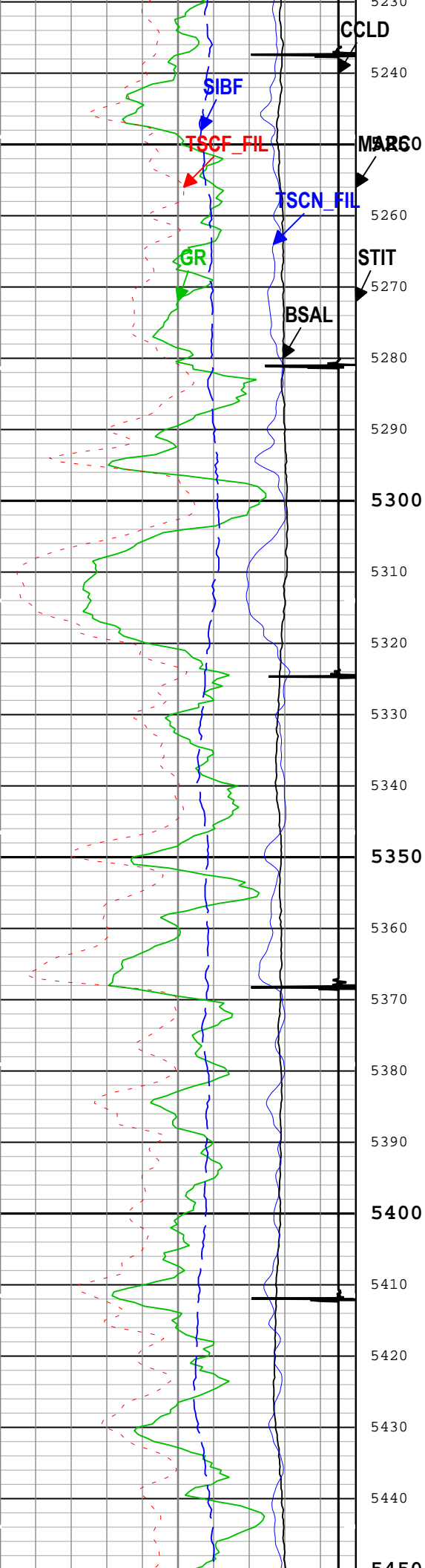


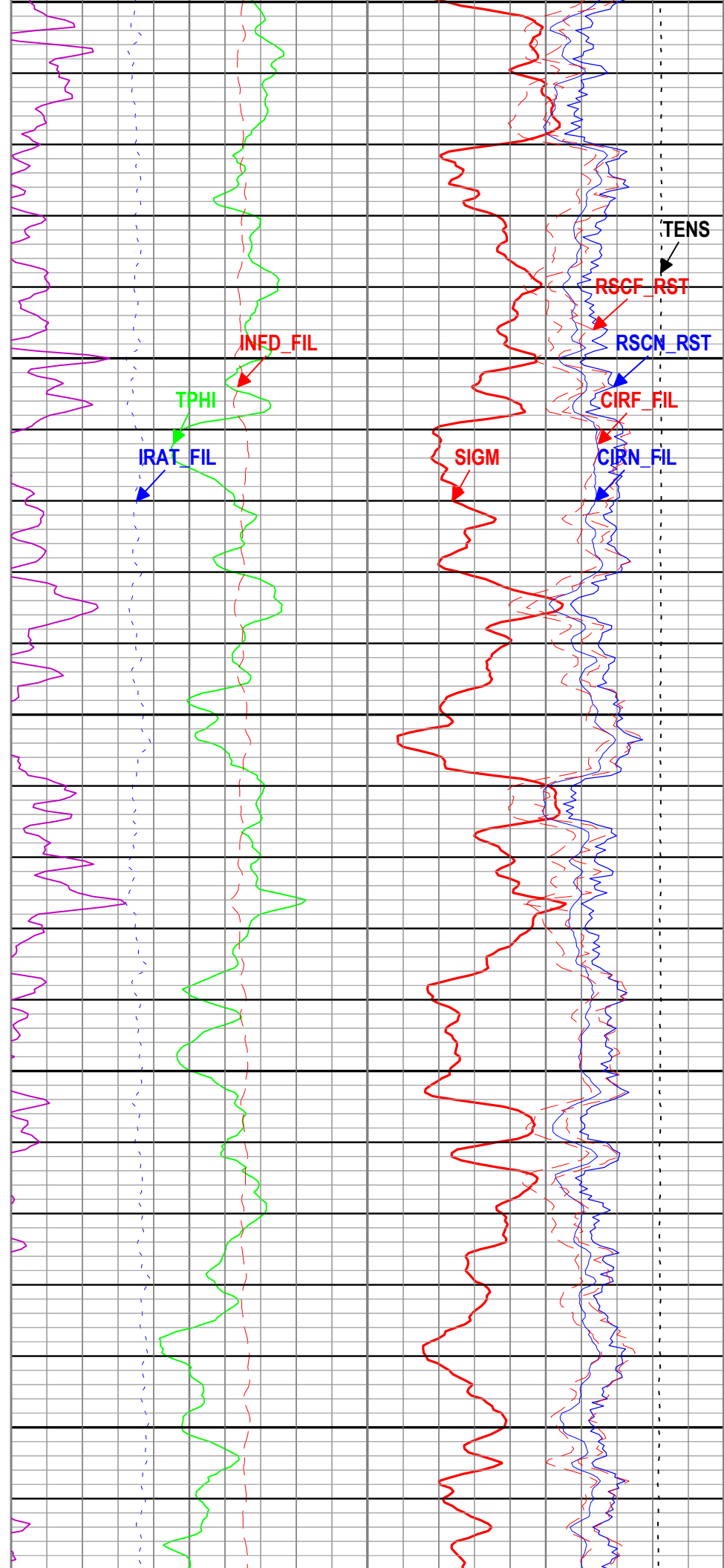
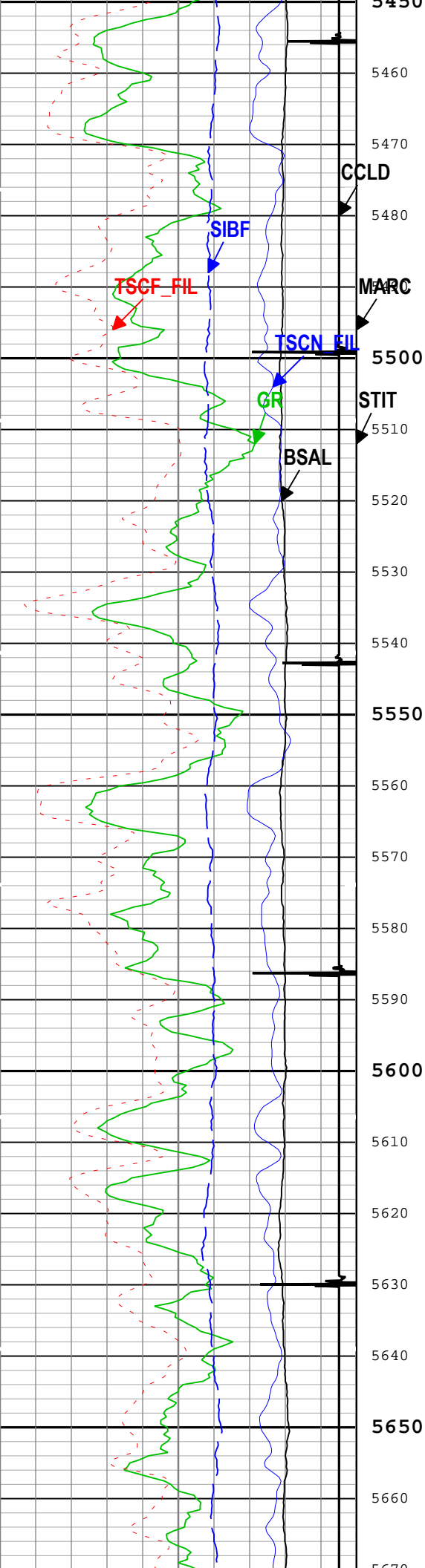


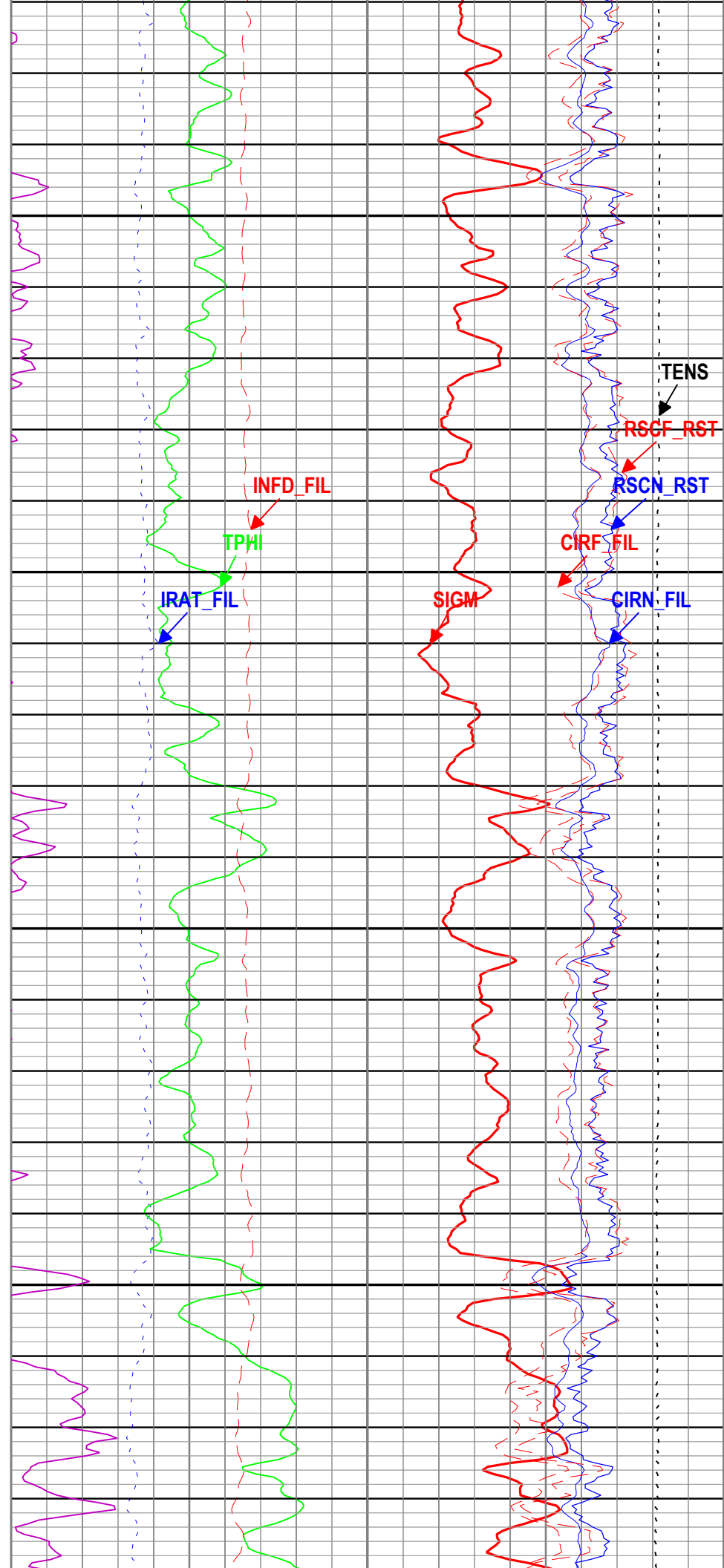
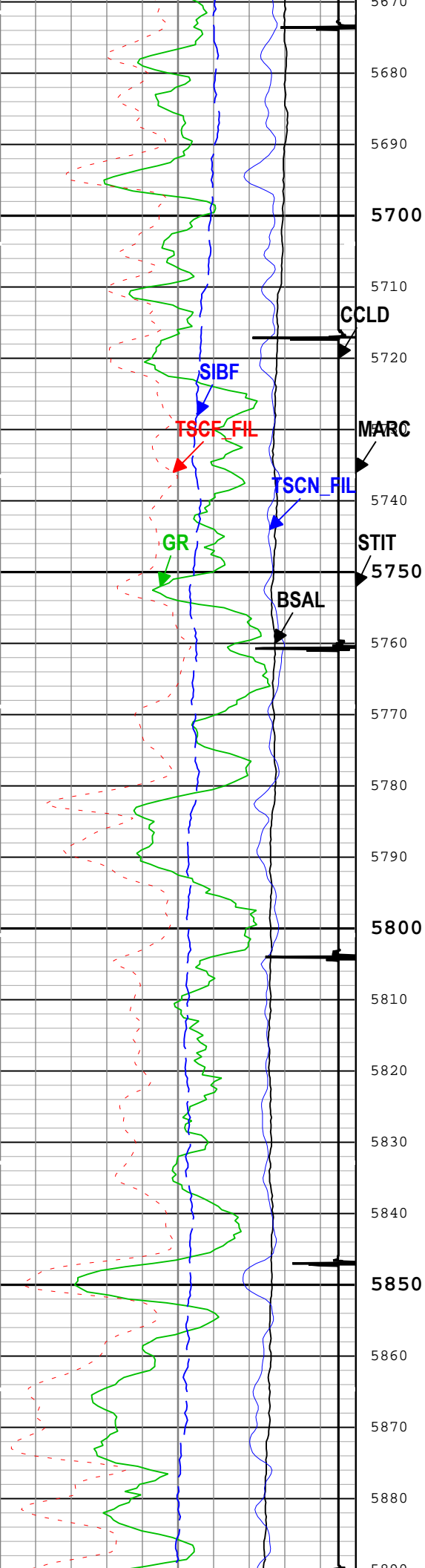


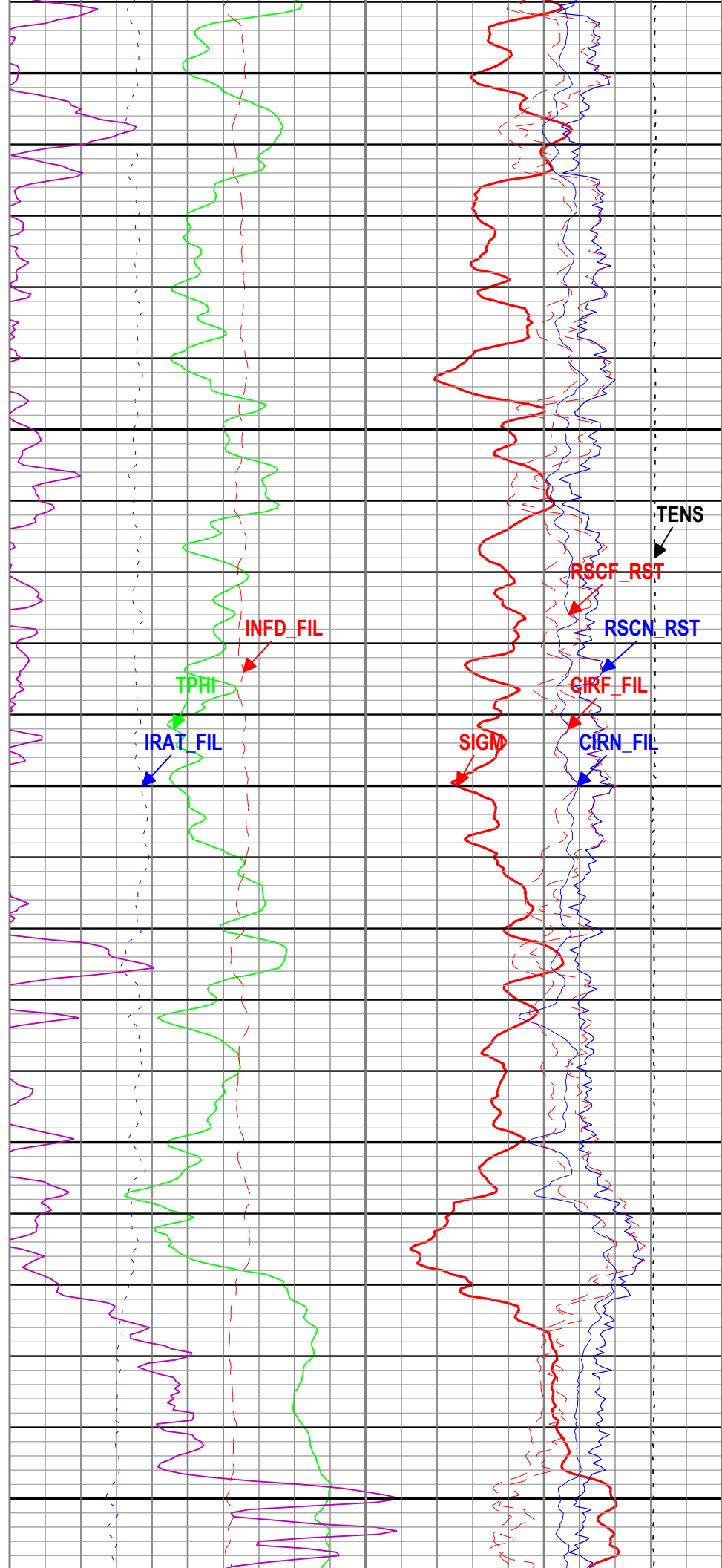
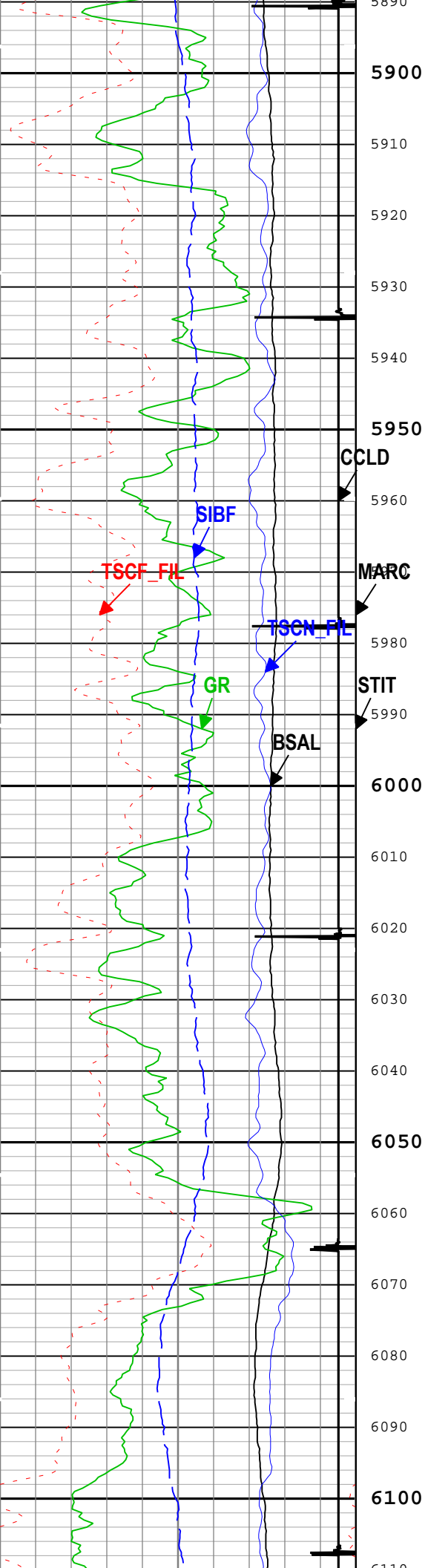


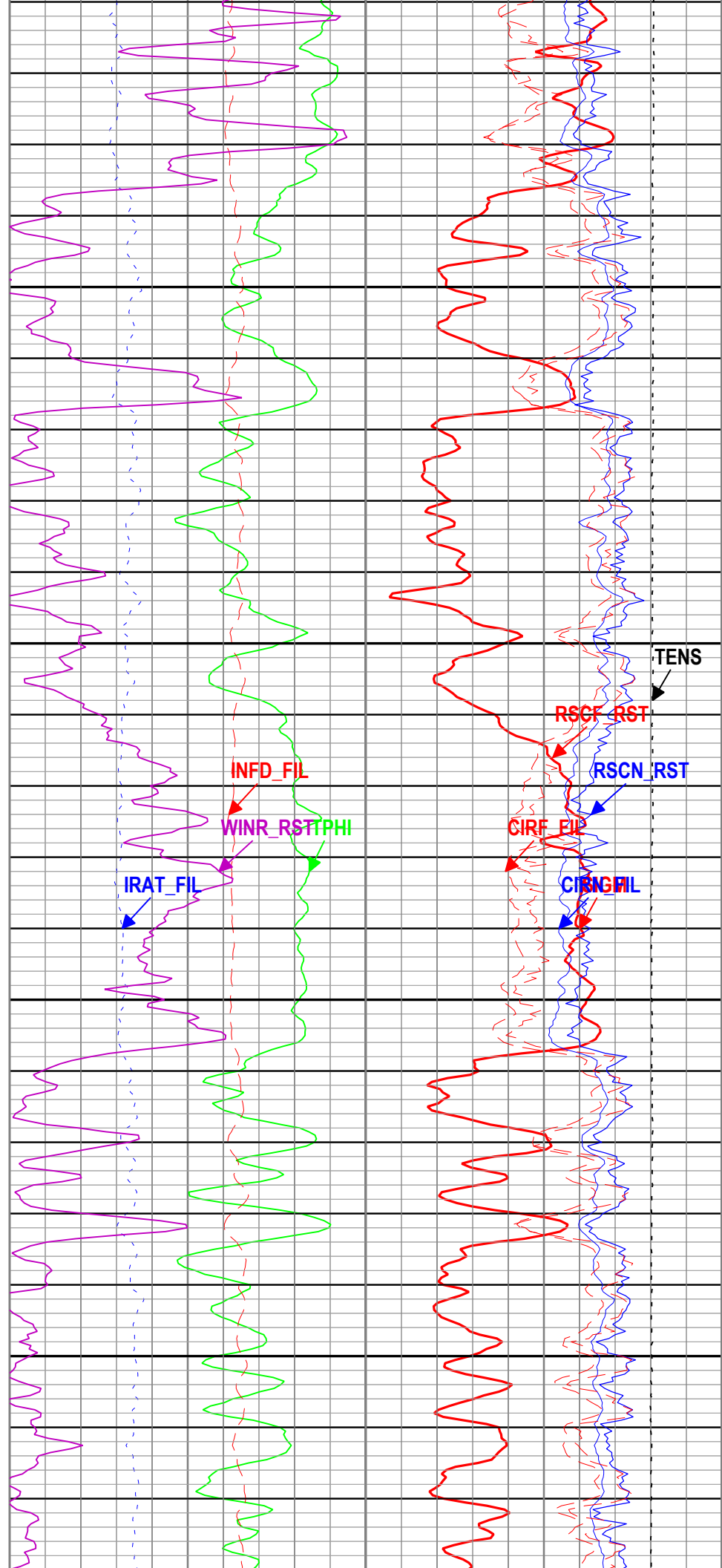
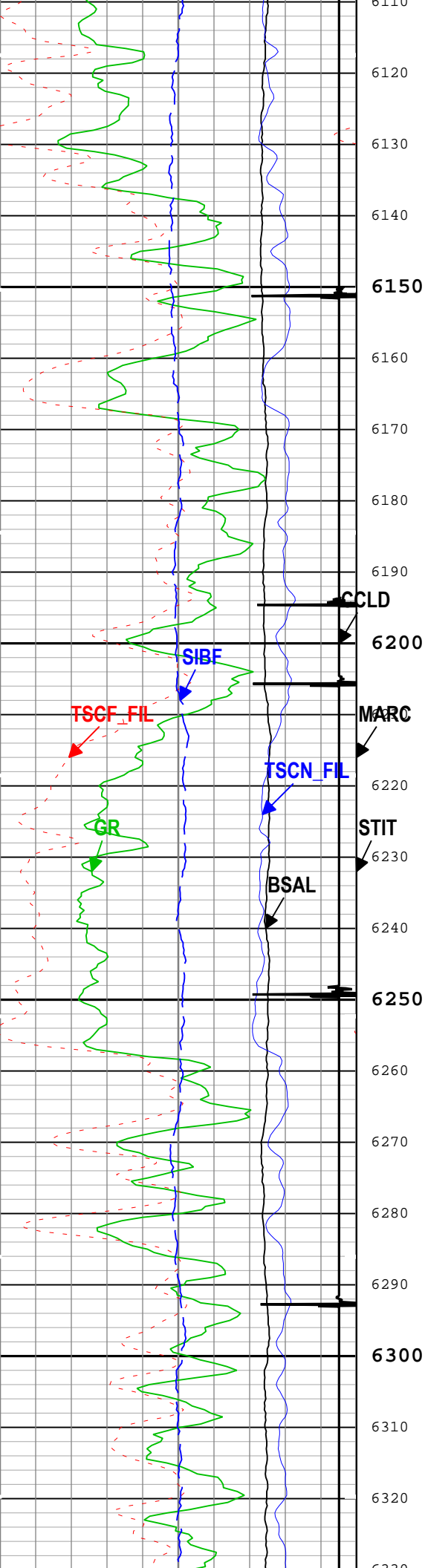


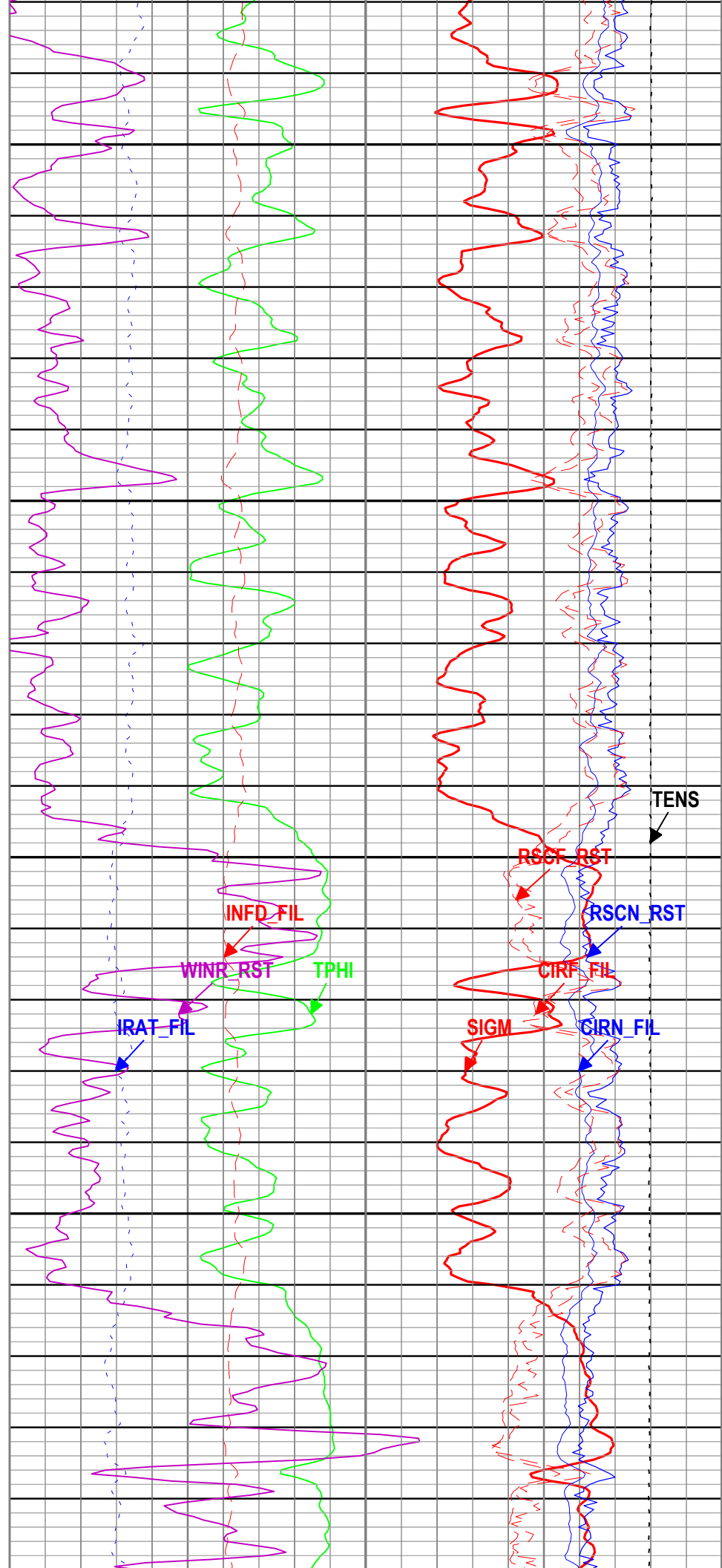
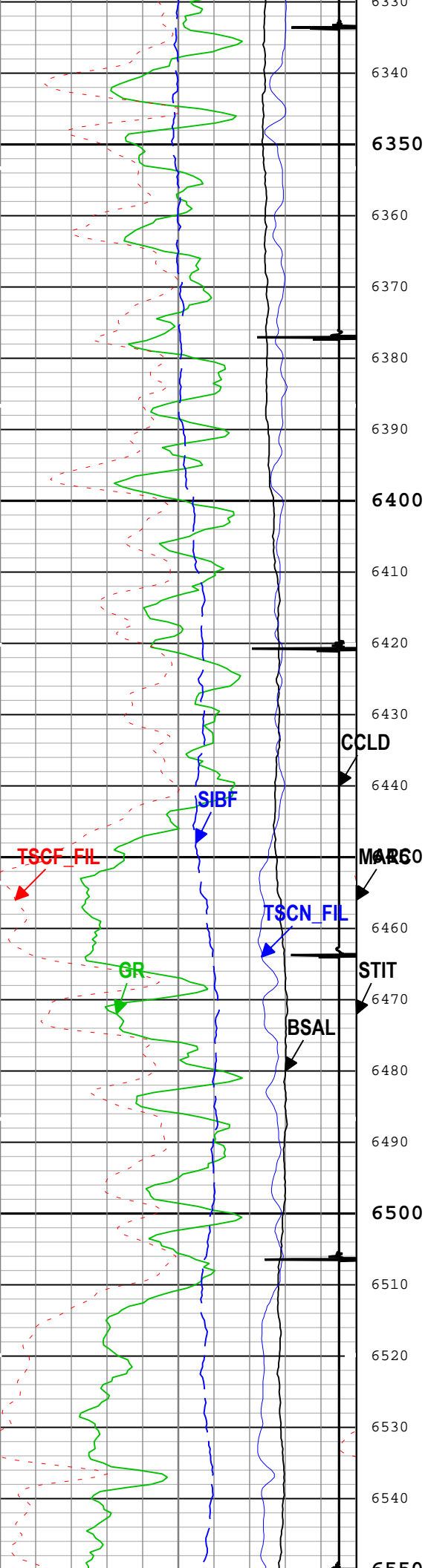


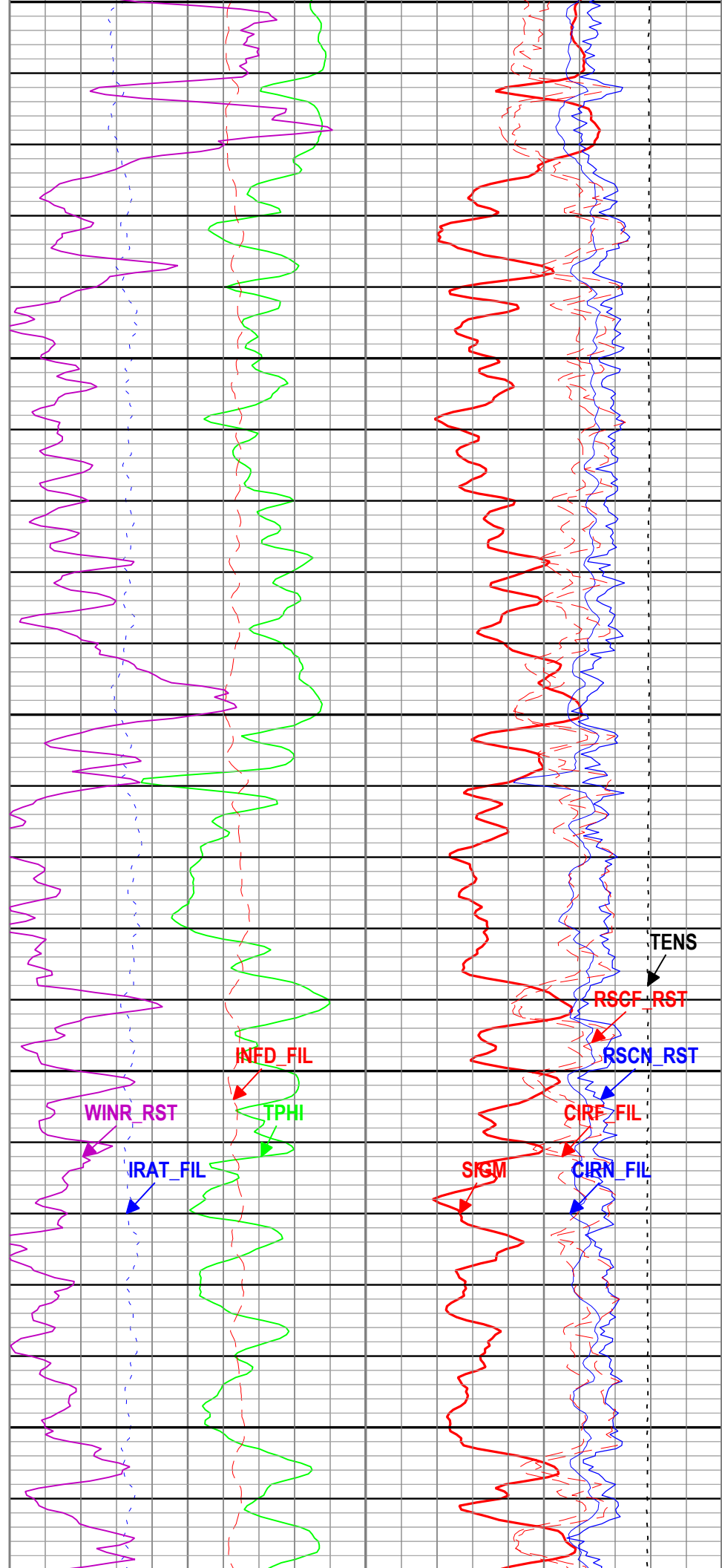
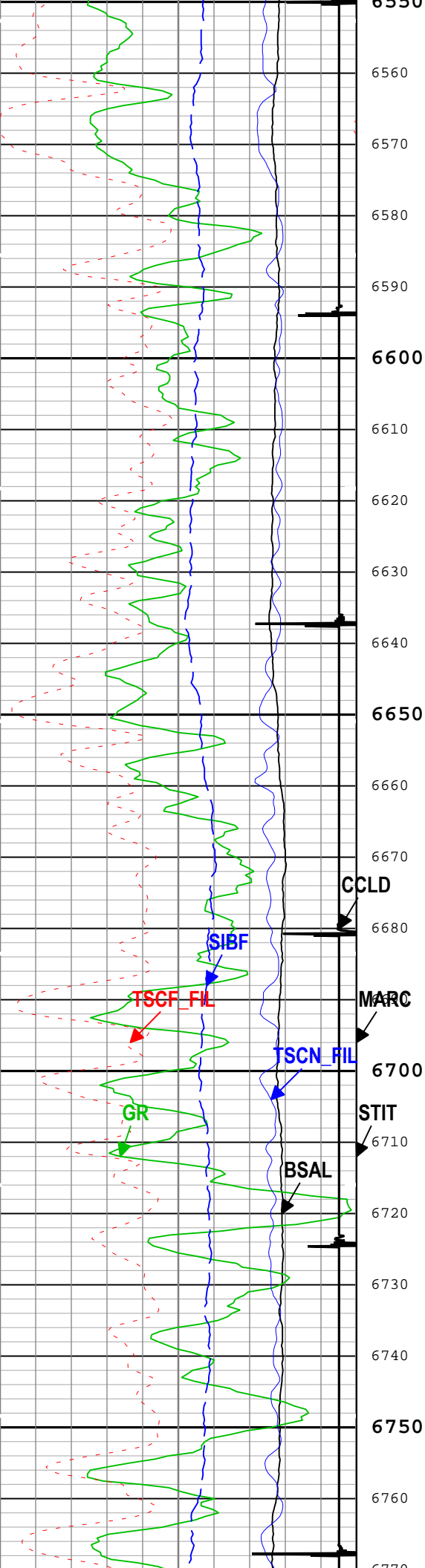


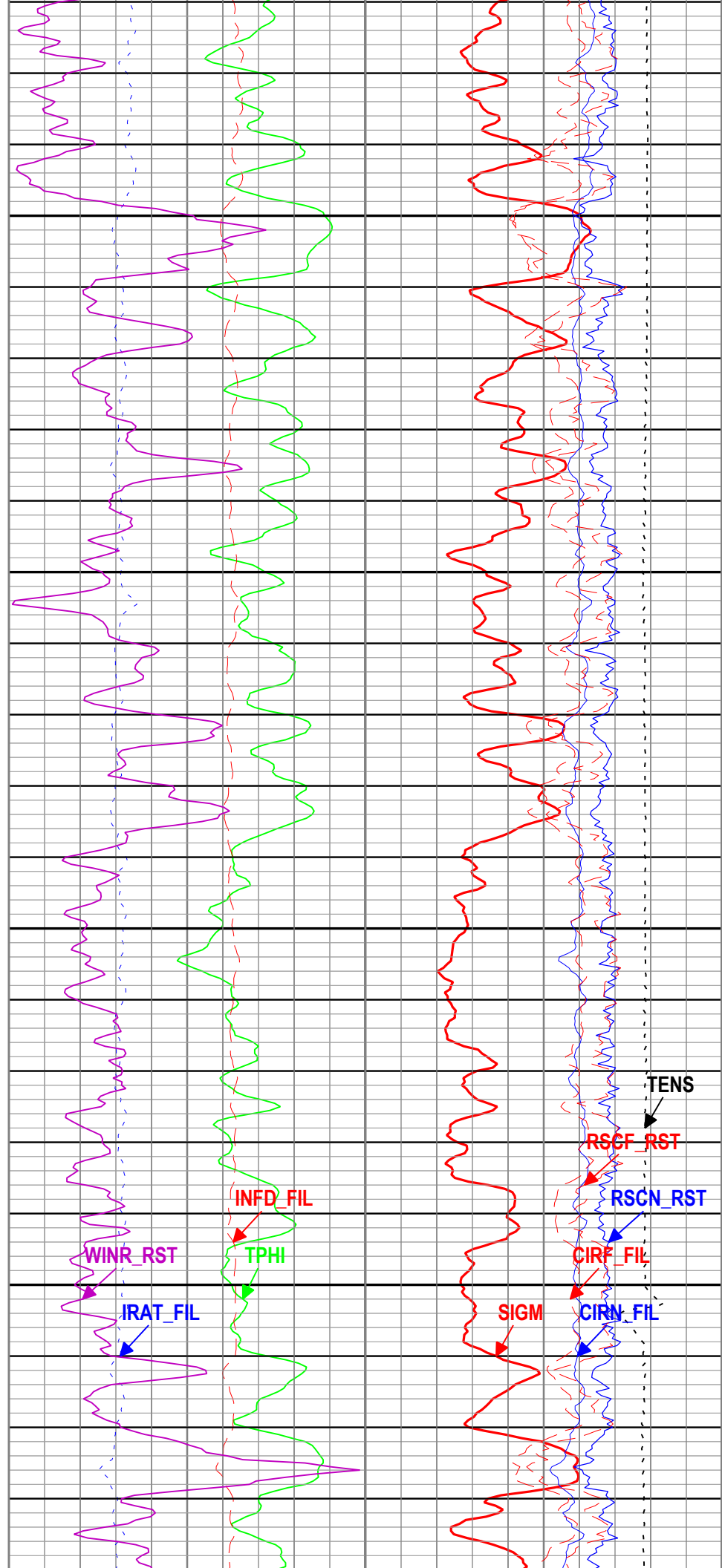
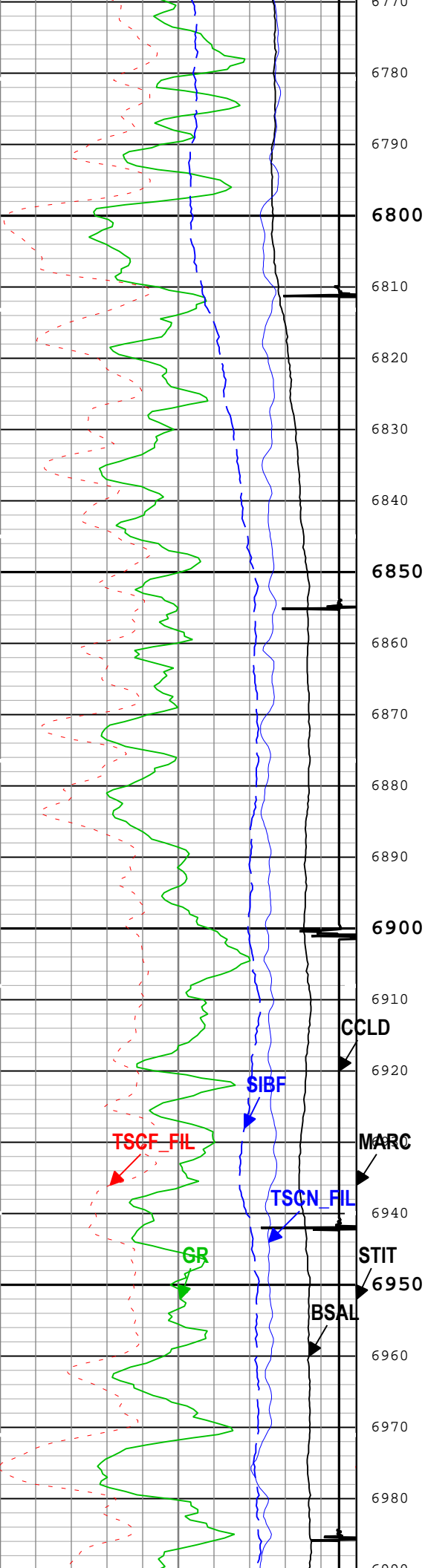


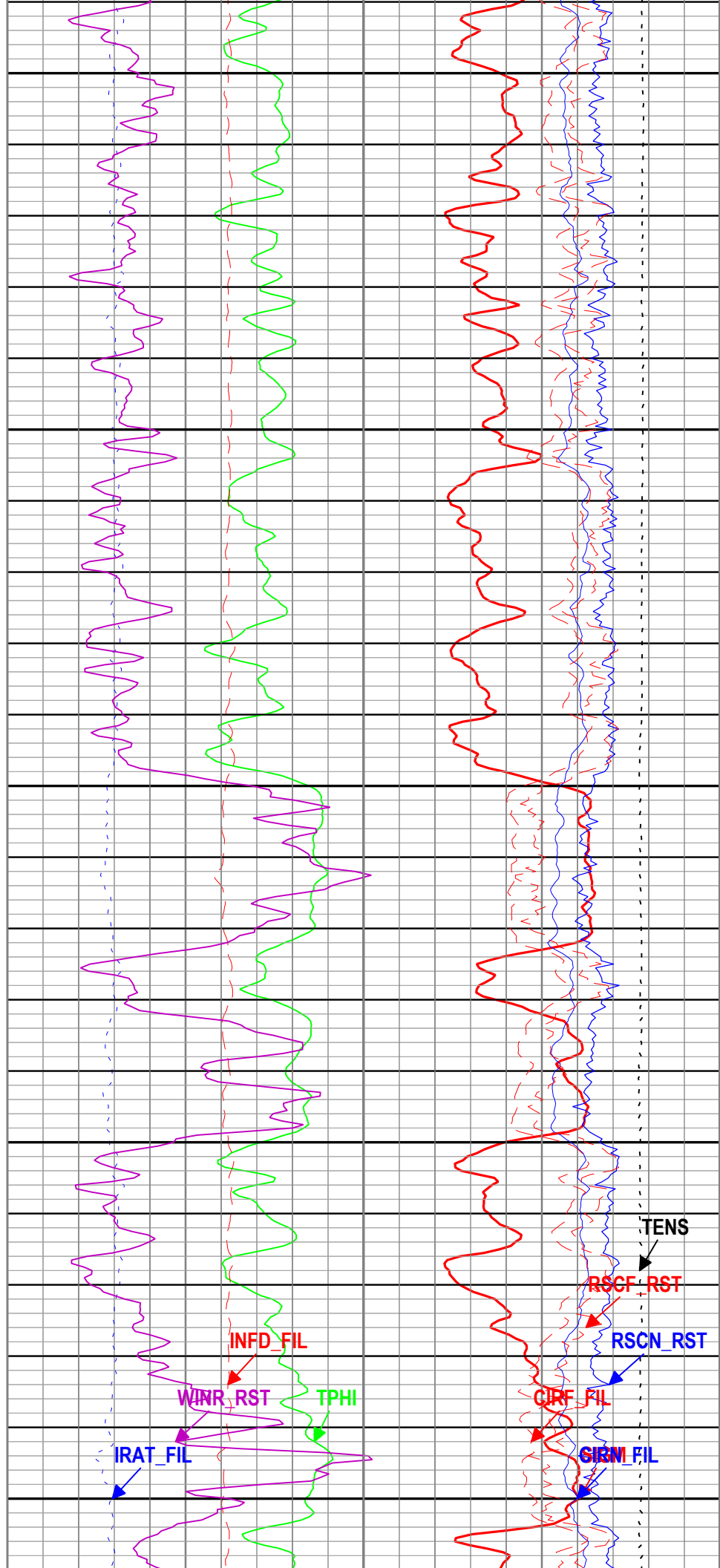
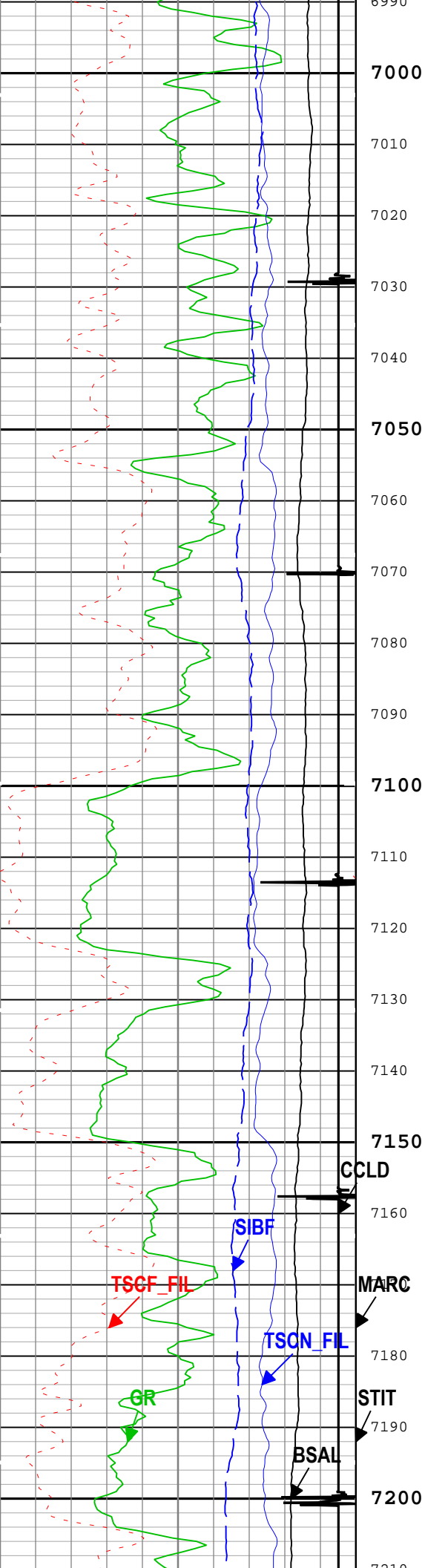


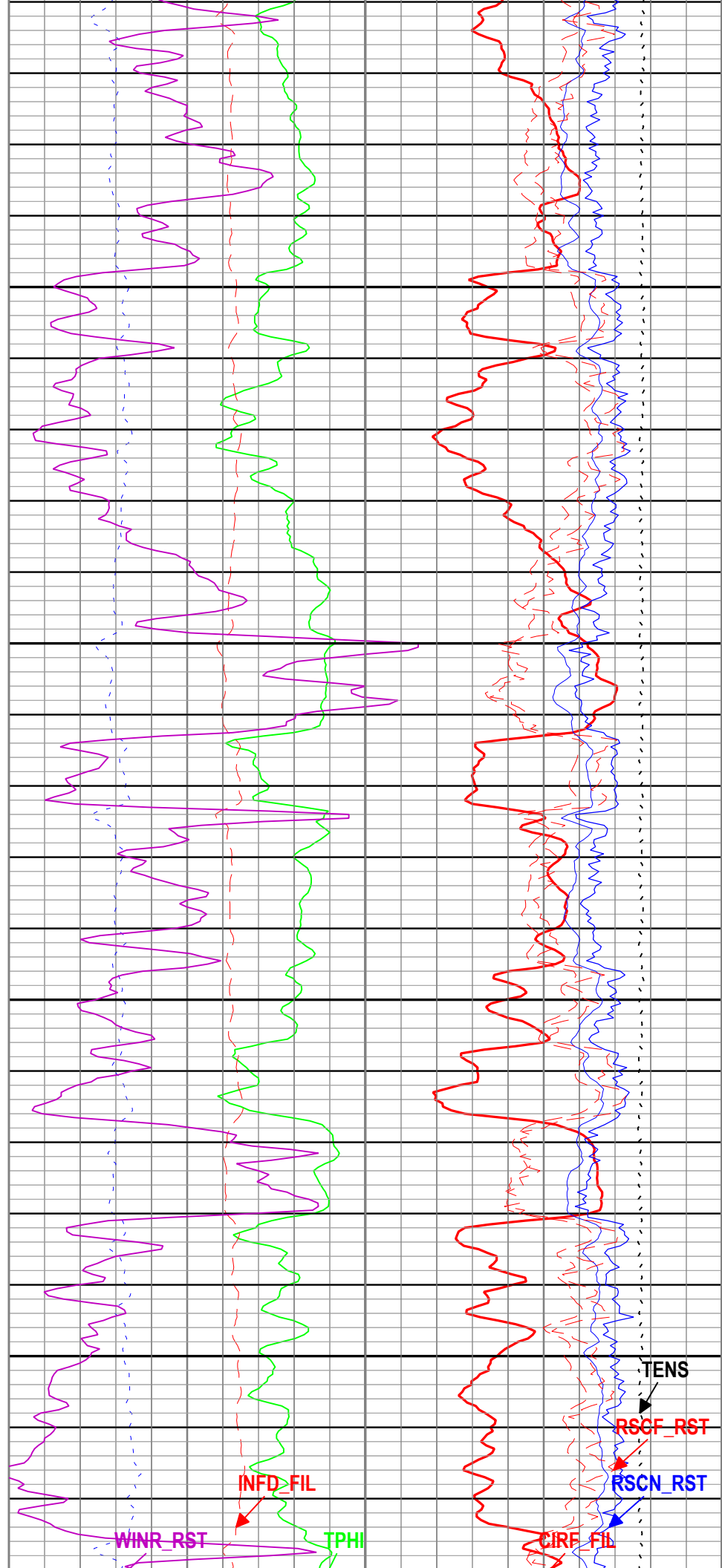
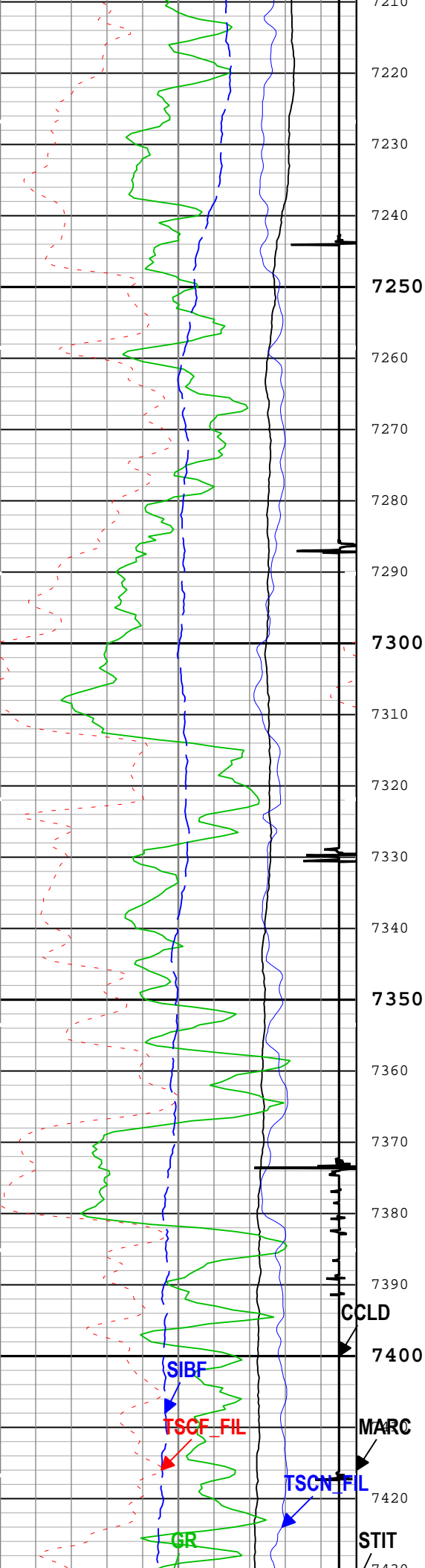


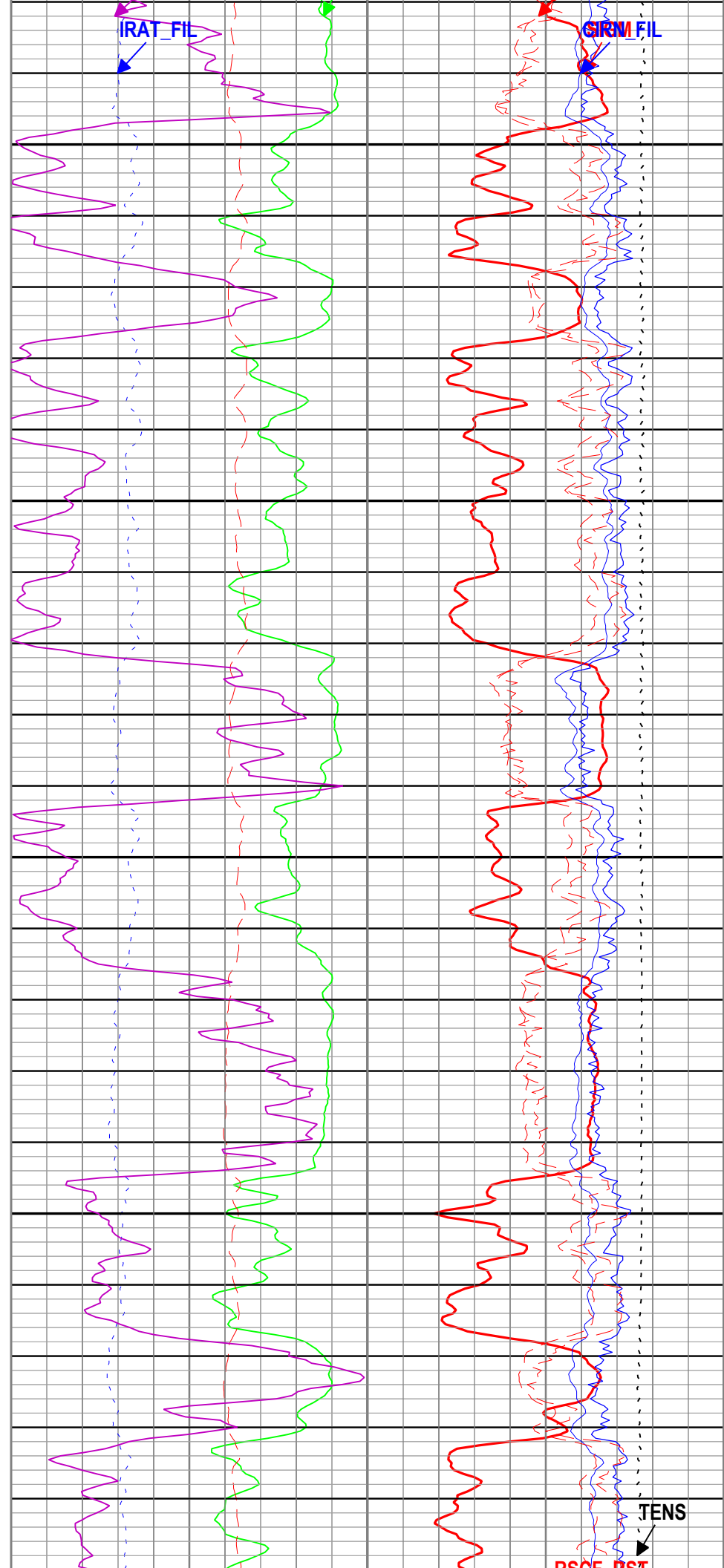
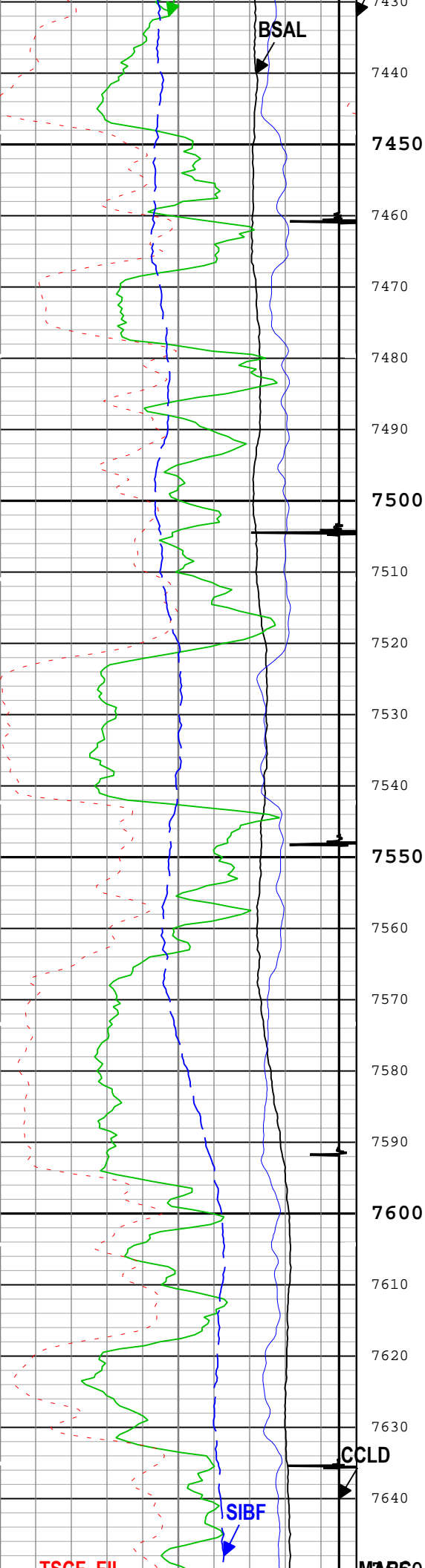


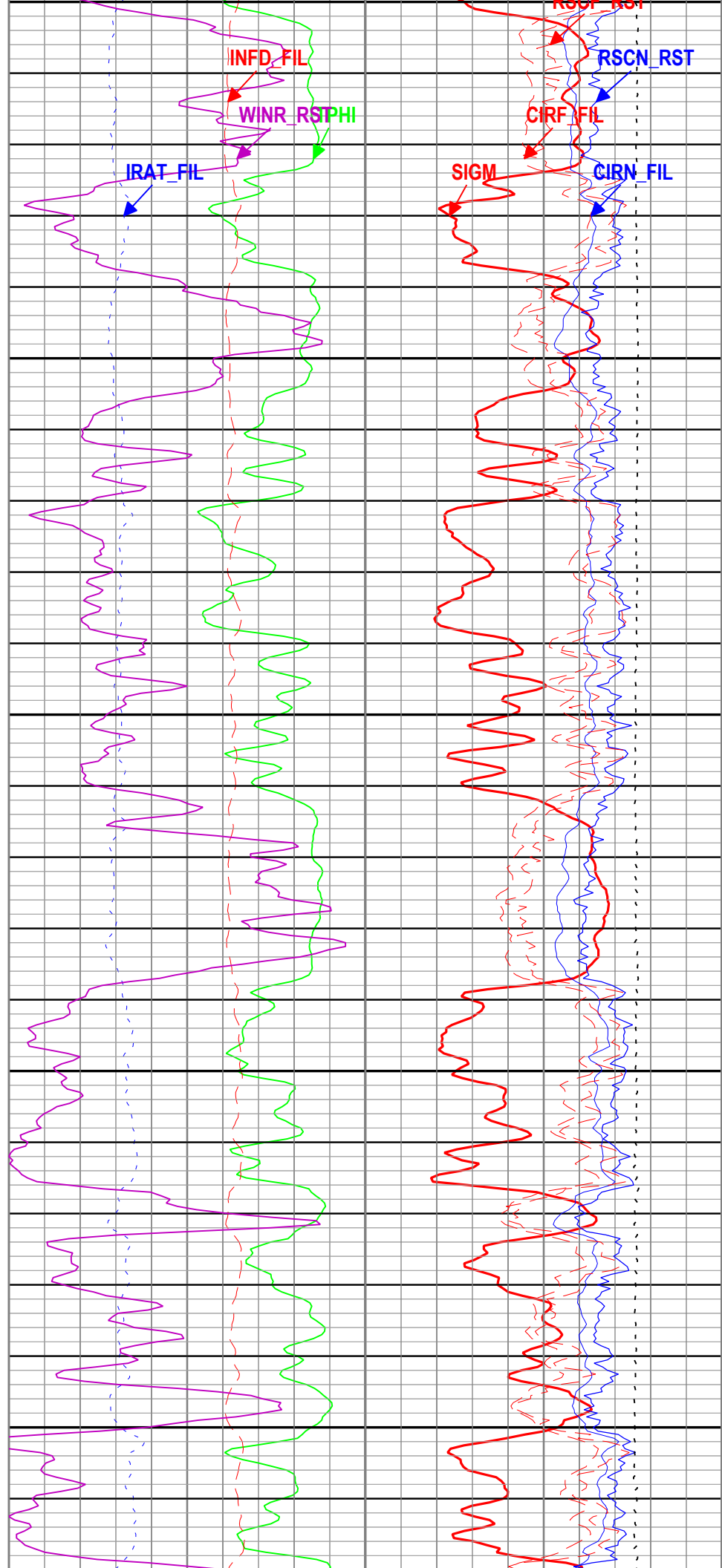
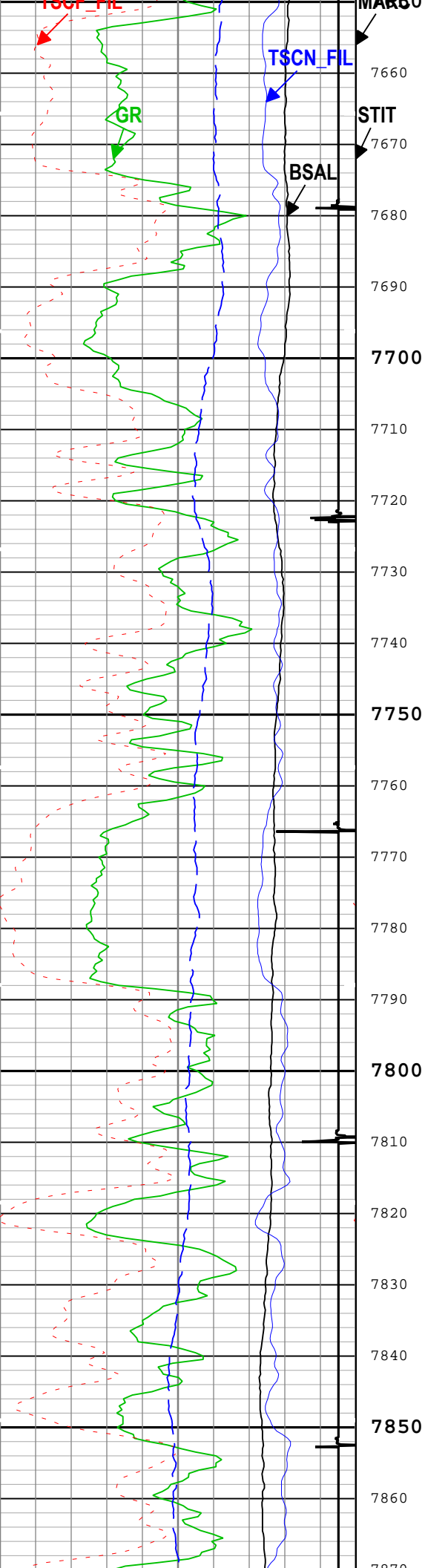


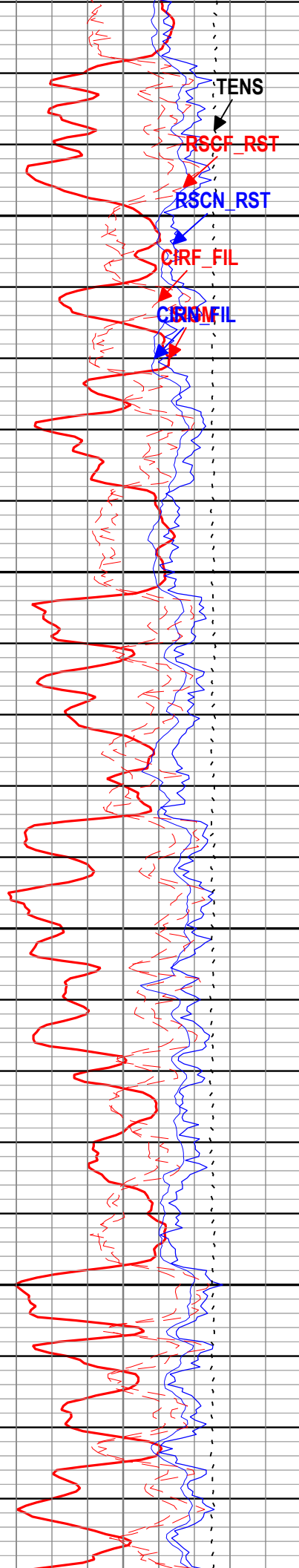
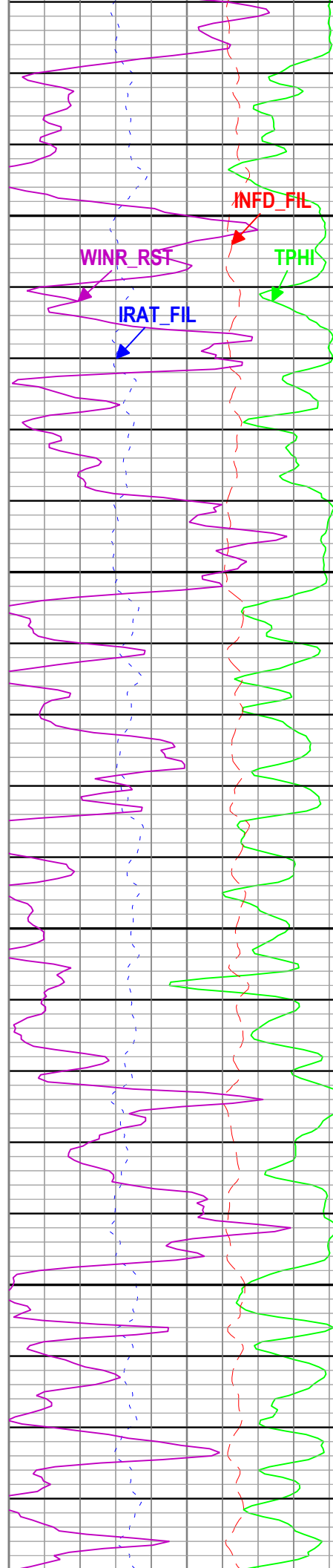
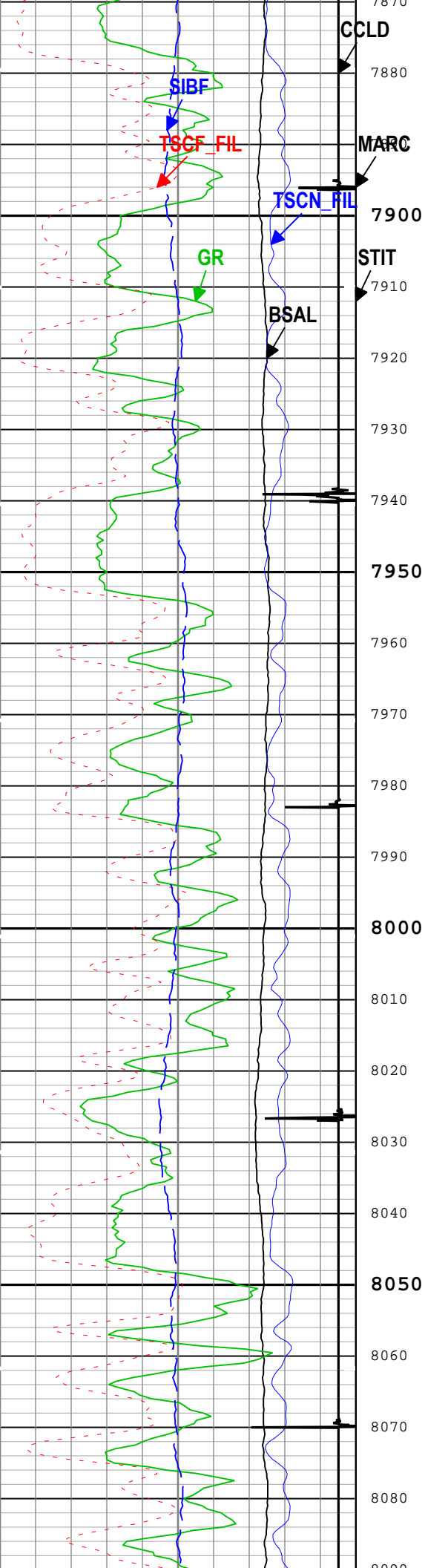


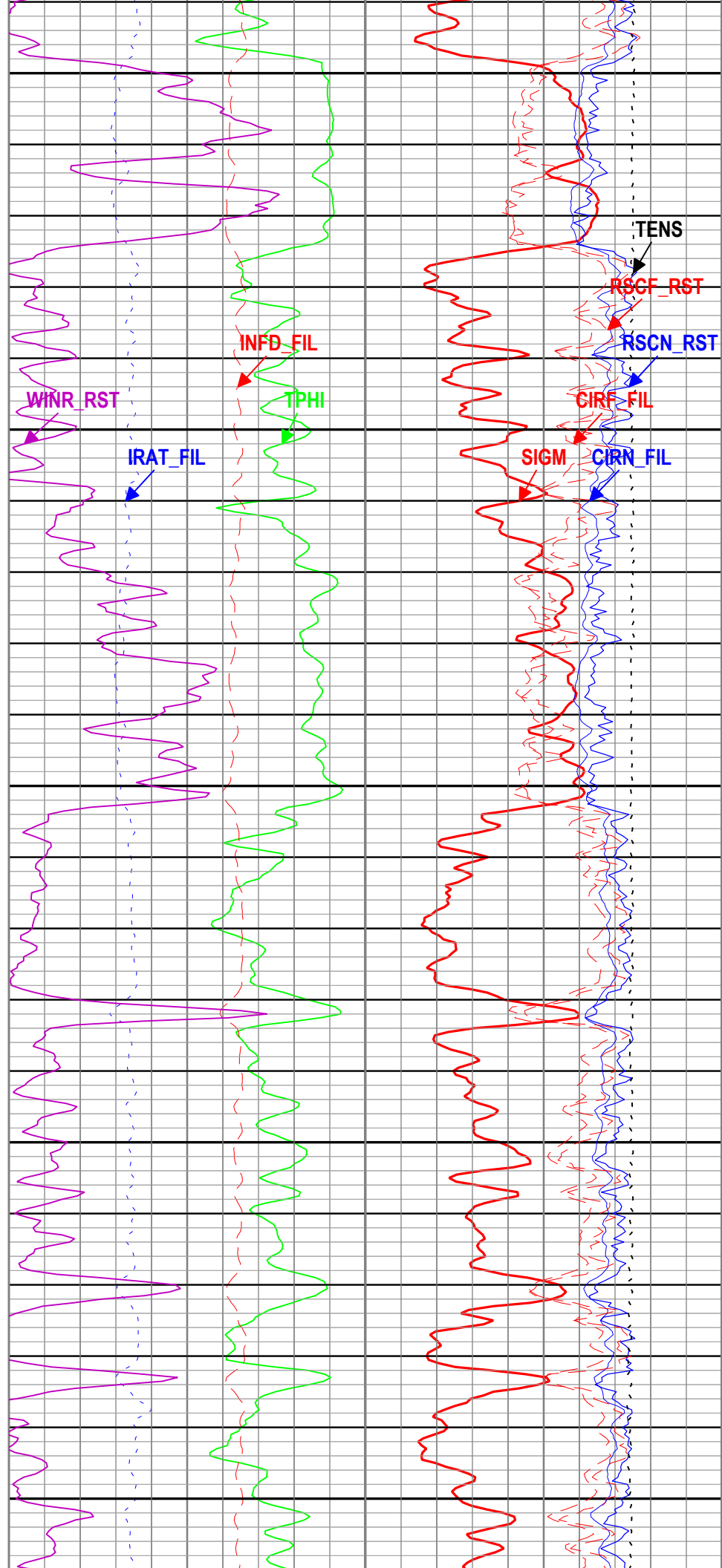
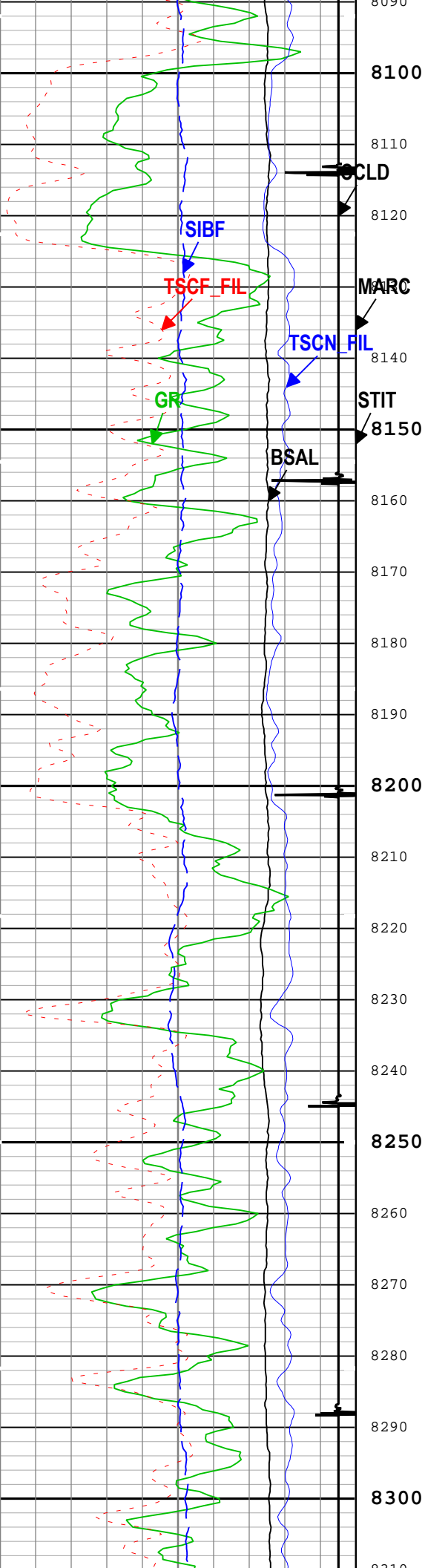


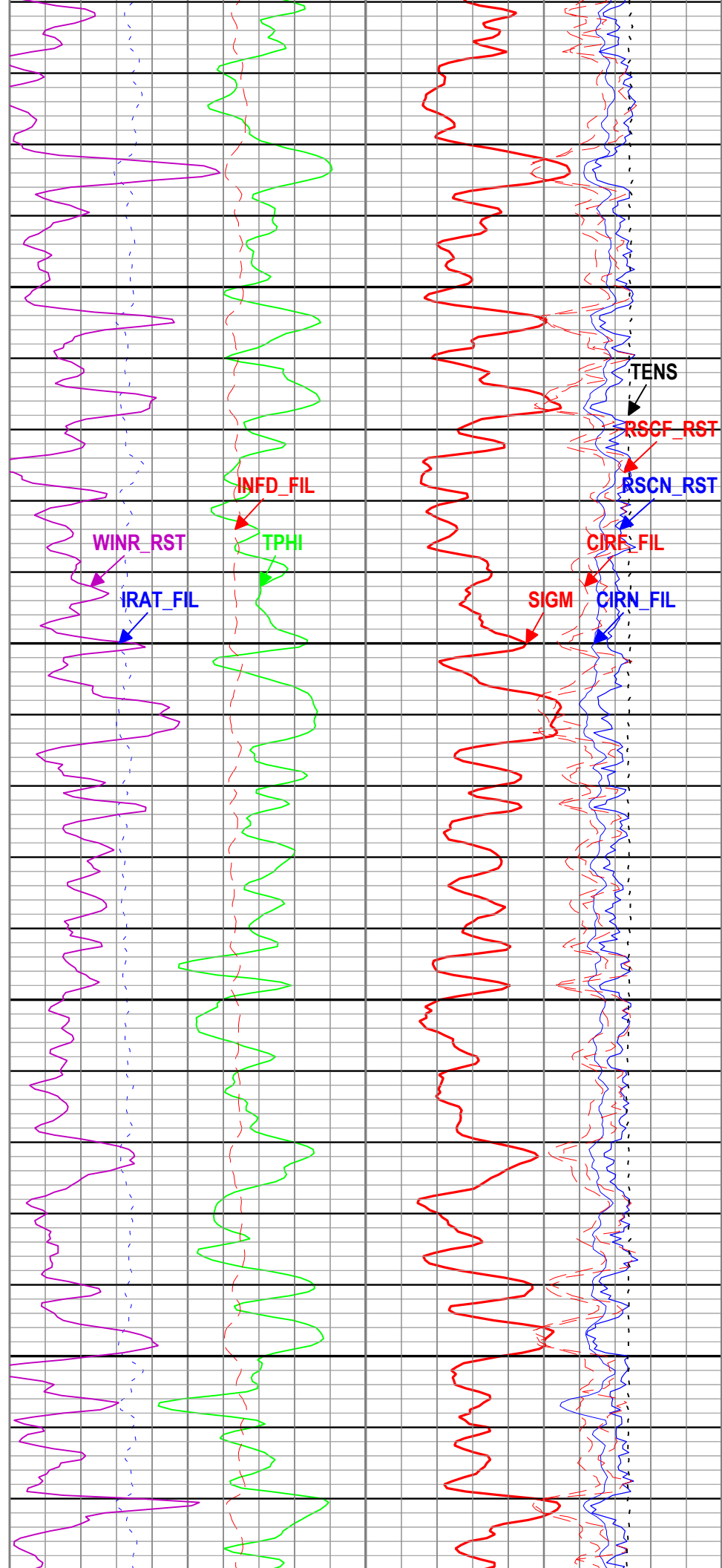
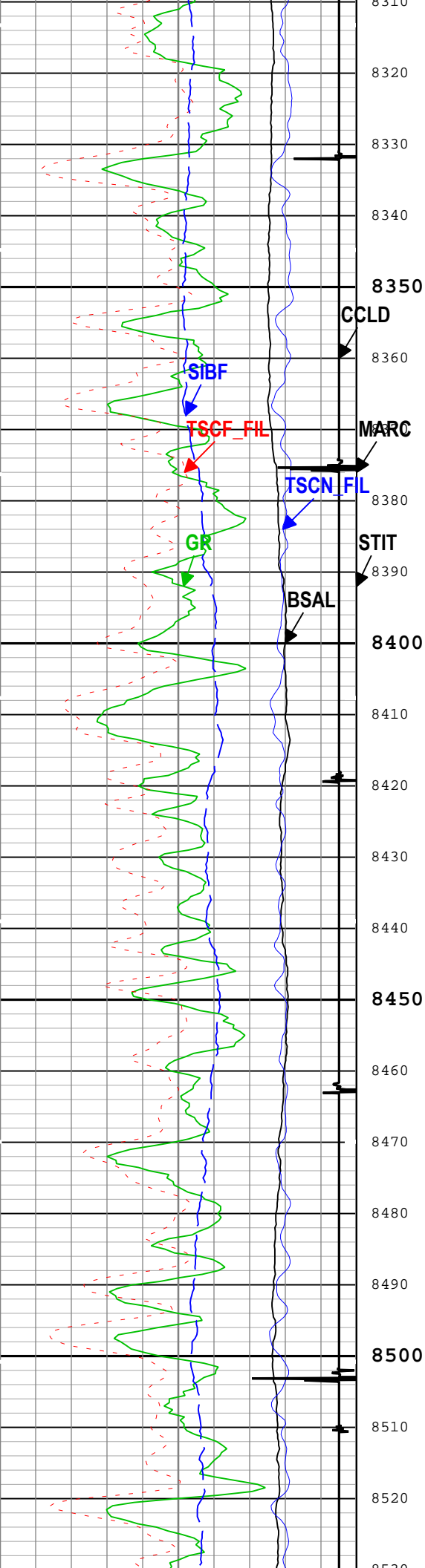


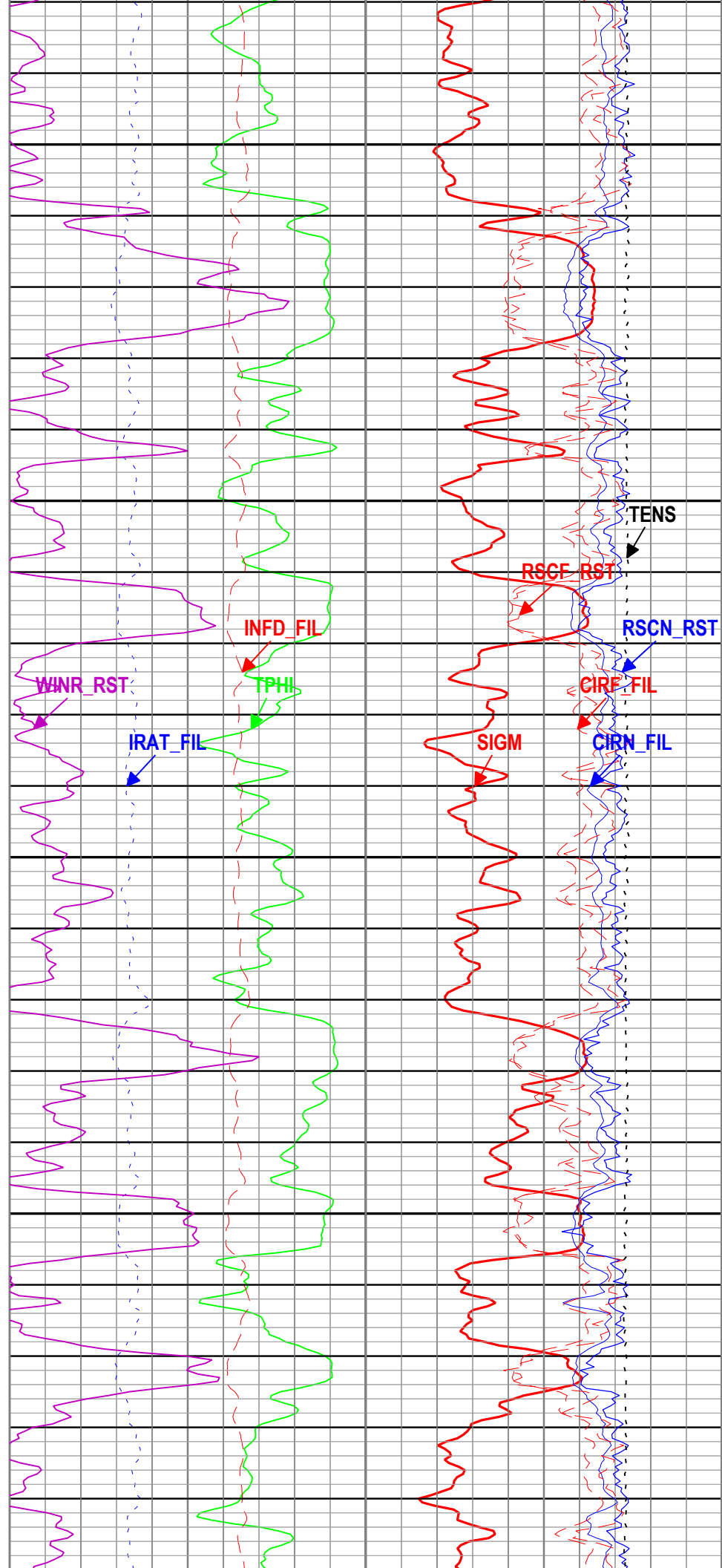
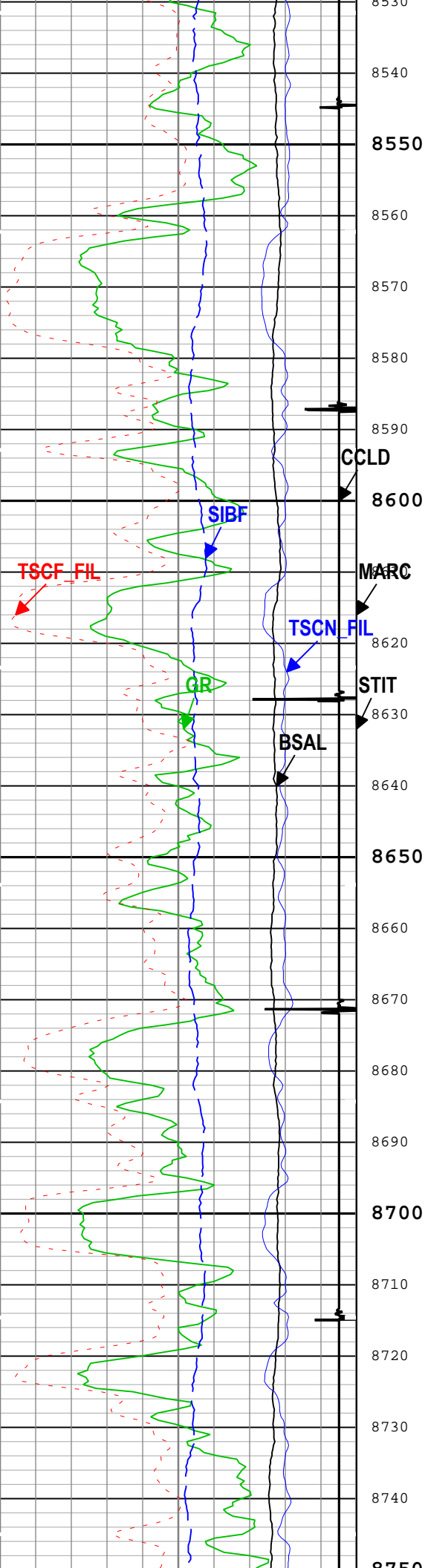


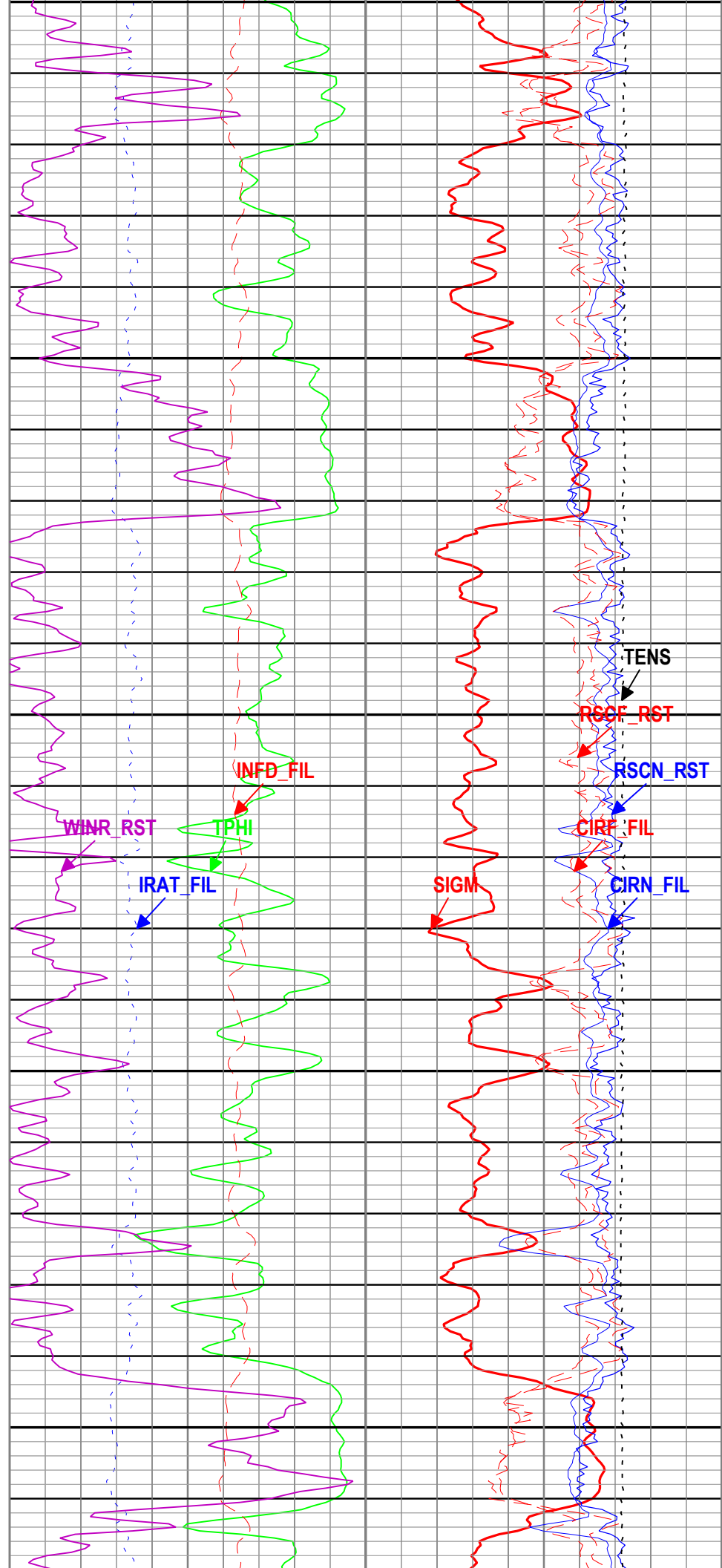
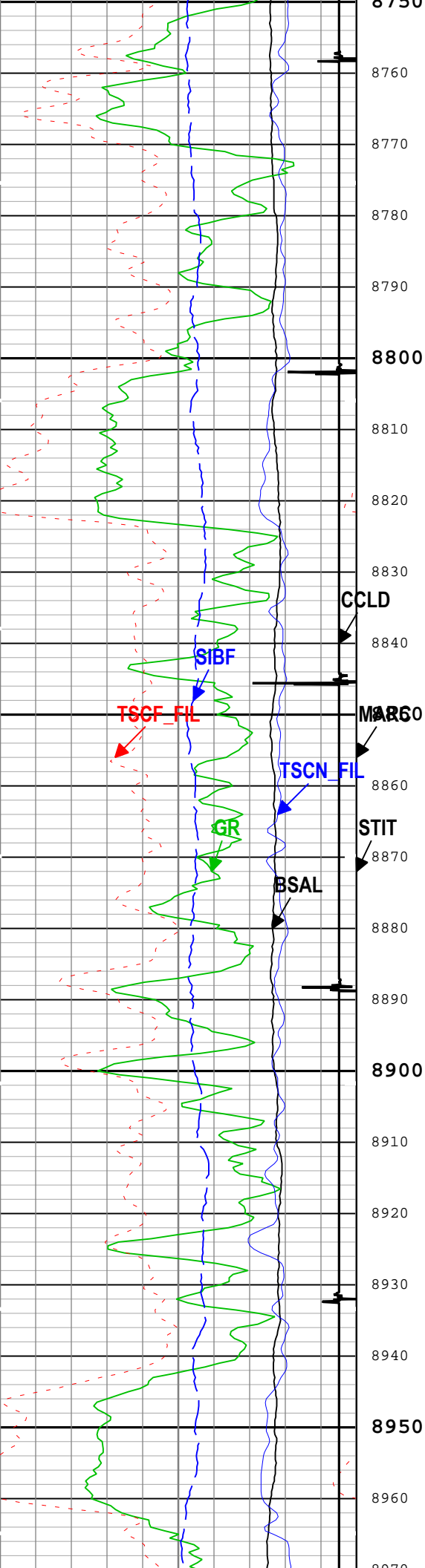


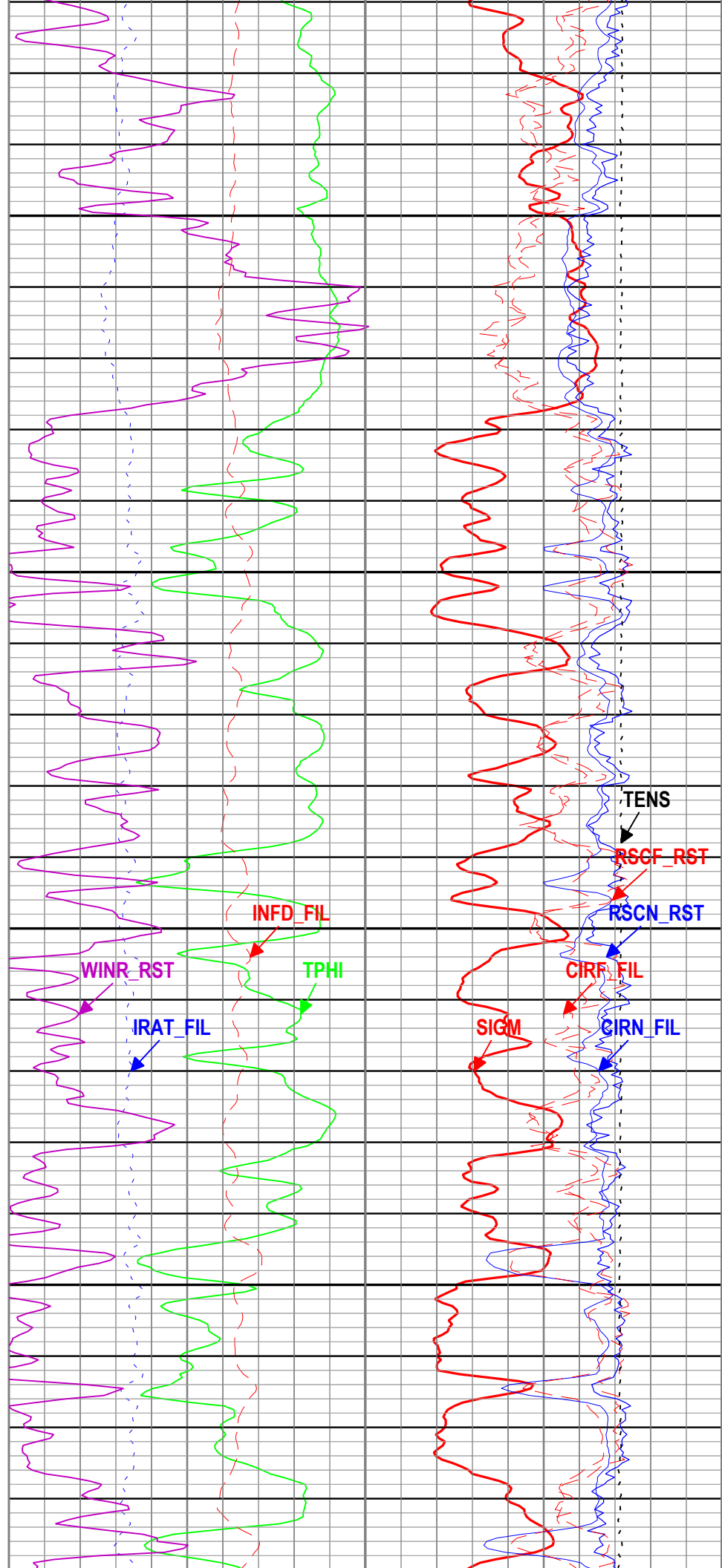
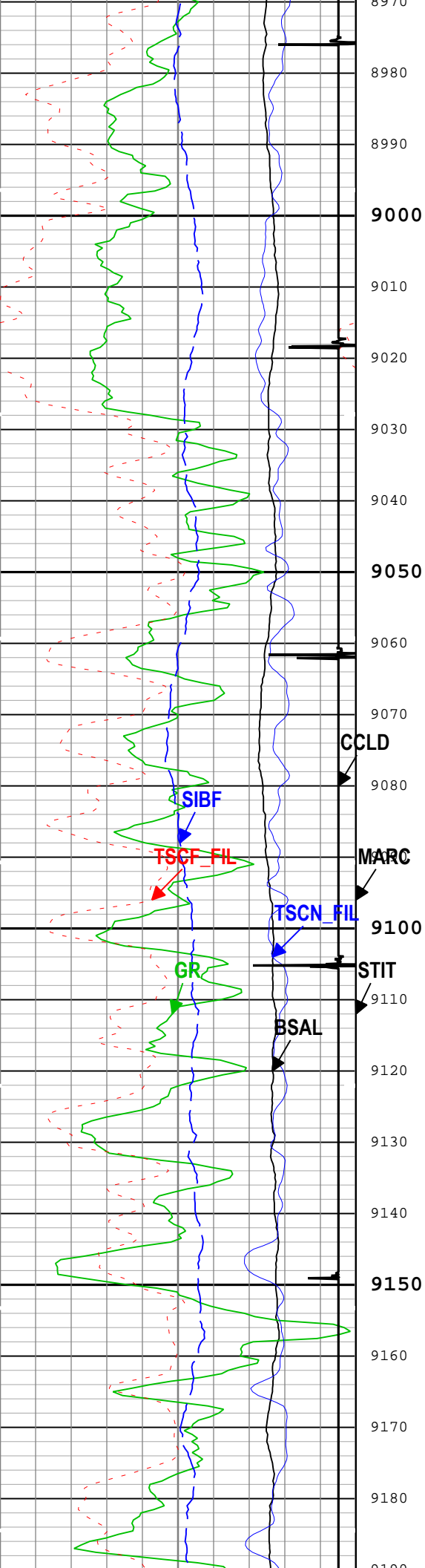


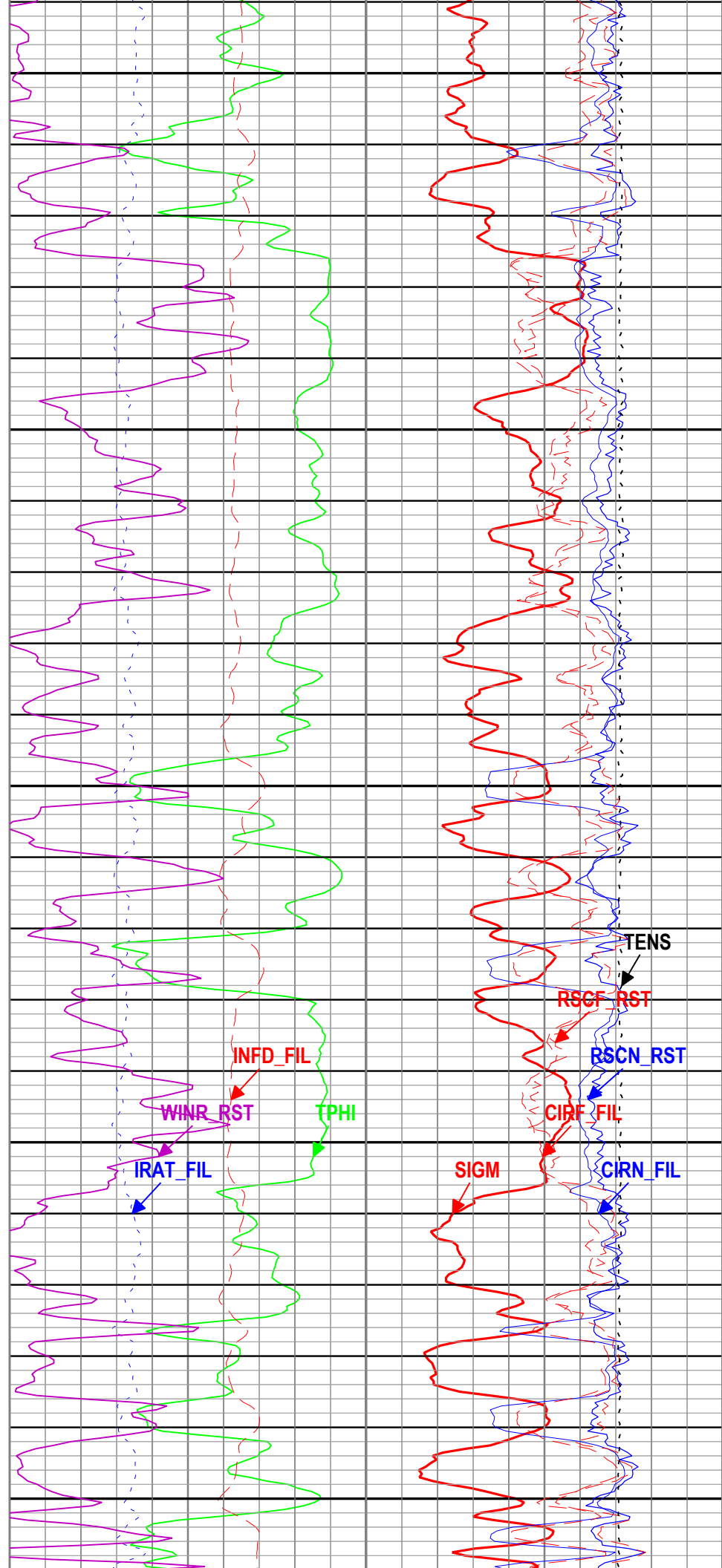
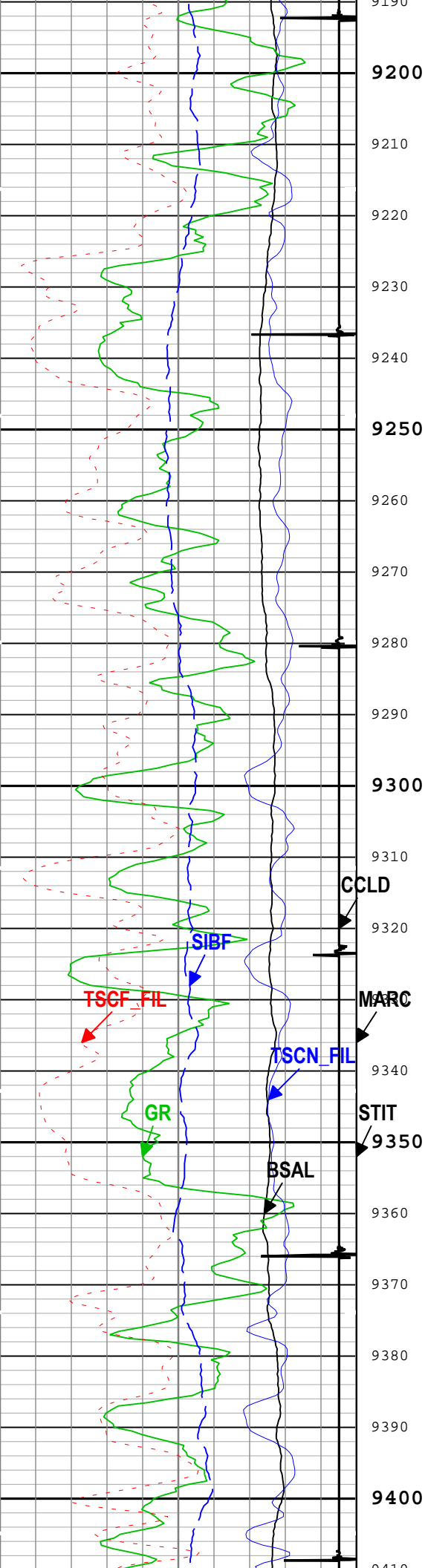


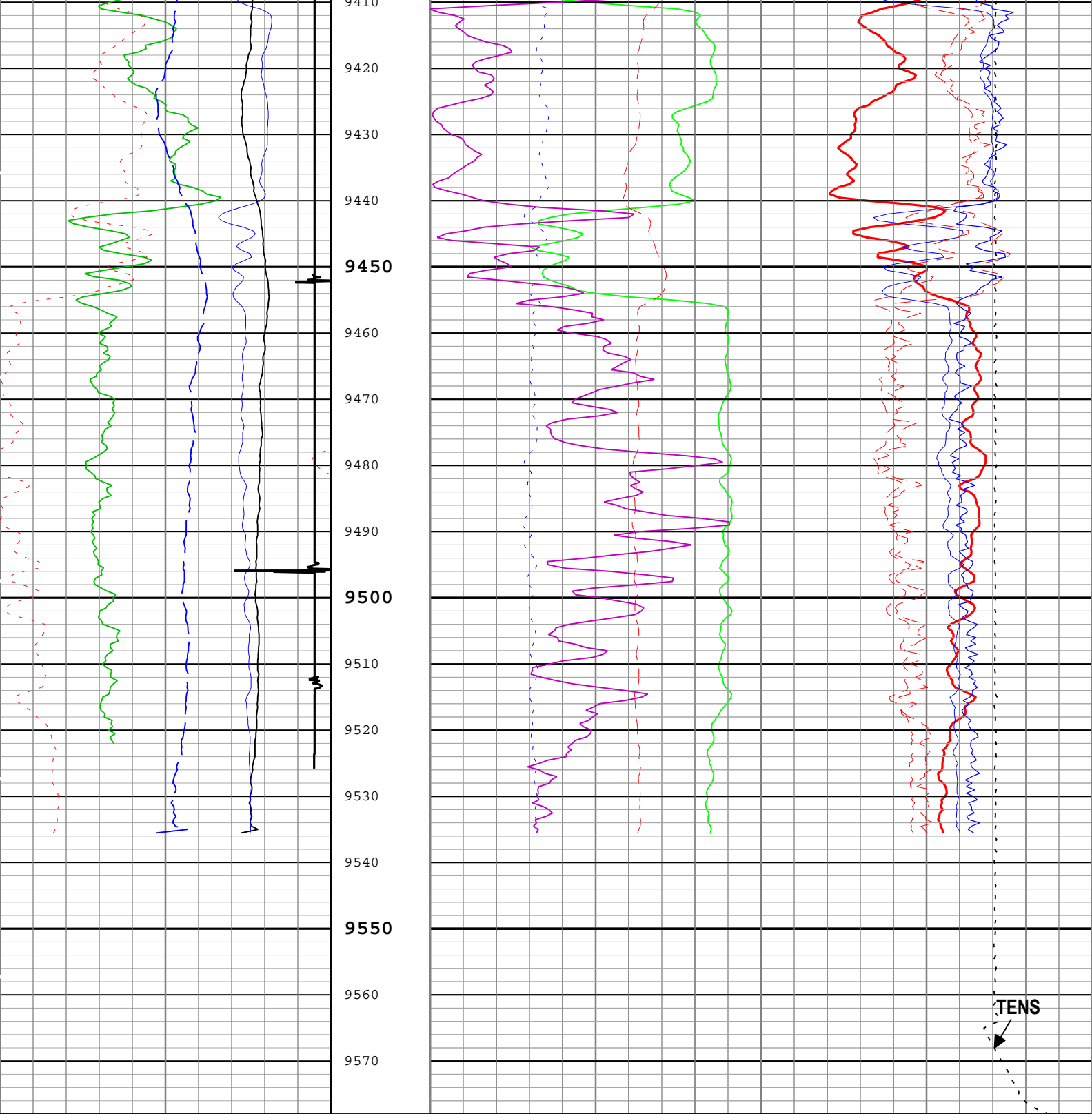












Borehole Salinity (BSAL) RST-C			Stuck Tool Indicator, Total (STIT)			Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C		
450	ppk	-50	0	ft	50	60	cu	0
Gamma Ray (GR) PSTP-B			Cable Drag From STIA to STIT			Weighted Inelastic Ratio (WINR_RST) RST-C		
0	gAPI	150	Tool Tot. Drag From D3T to STIT			0		0.4
Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C			Minitron Arc			Inelastic Ratio Filtered (IRAT_FIL) RST-C		
30000	1/s	0				0.75		0
Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C						Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C		
12000	1/s	0				2.5		0
Sigma Borehole Fluid (SIBF) RST-C						Thermal Decay Porosity (TPHI) RST-C		
400		0				0.6	ft3/ft3	0
						Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C		
						10000	1/s	0
						Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C		

100	cu	0	Count (MARC) RST-C	45	0
CCL Discriminated Amplitude (CCLD) PSTP-B				Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C	
-19	V	1	0 5	45	0
			Cable Tension (TENS)		
			5000 lbf 0		
ICV - Integrated Cement Volume every 100.00 (ft3)					
ICV - Integrated Cement Volume every 10.00 (ft3)					
IHV - Integrated Hole Volume every 100.00 (ft3)					
IHV - Integrated Hole Volume every 10.00 (ft3)					
TIME_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)					
TIME_1900 - Time Marked every 60.00 (s)					
Description: RST SIGMA Answer Format: Log (RST SIGMA Answer) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 14-Sep-2018 23:48:38					

Channel Processing Parameters

one: Parameters				
Parameter	Description	Tool	Value	Unit
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased	
BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	0	ppm
BSALOPT	Borehole Salinity Option	RST-C	Unknown	
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	SANDSTONE	
TD	Total Measured Depth	Borehole	9565	ft

Depth Zone Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BS	14.75	1900	2070
BS	8.75	2070	9565
All depth are actual.			

Tool Control Parameters				
one: Parameters				
Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-B	24 dB	
RST_DLM	Depth Log Mode	RST-C	Sigma	

one

Repeat Pass

Software Version									
Acquisition System						Version			
Maxwell 2018 SP1						8.1.99839.3100			
Application Patch						Wireline_Hotfix-Mandatory-2018SP1_8.1.102865			

Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
one	Log[4]:Up	Up	9198.28 ft	9578.20 ft	14-Sep-2018	14-Sep-2018	ON	6.99 ft	No

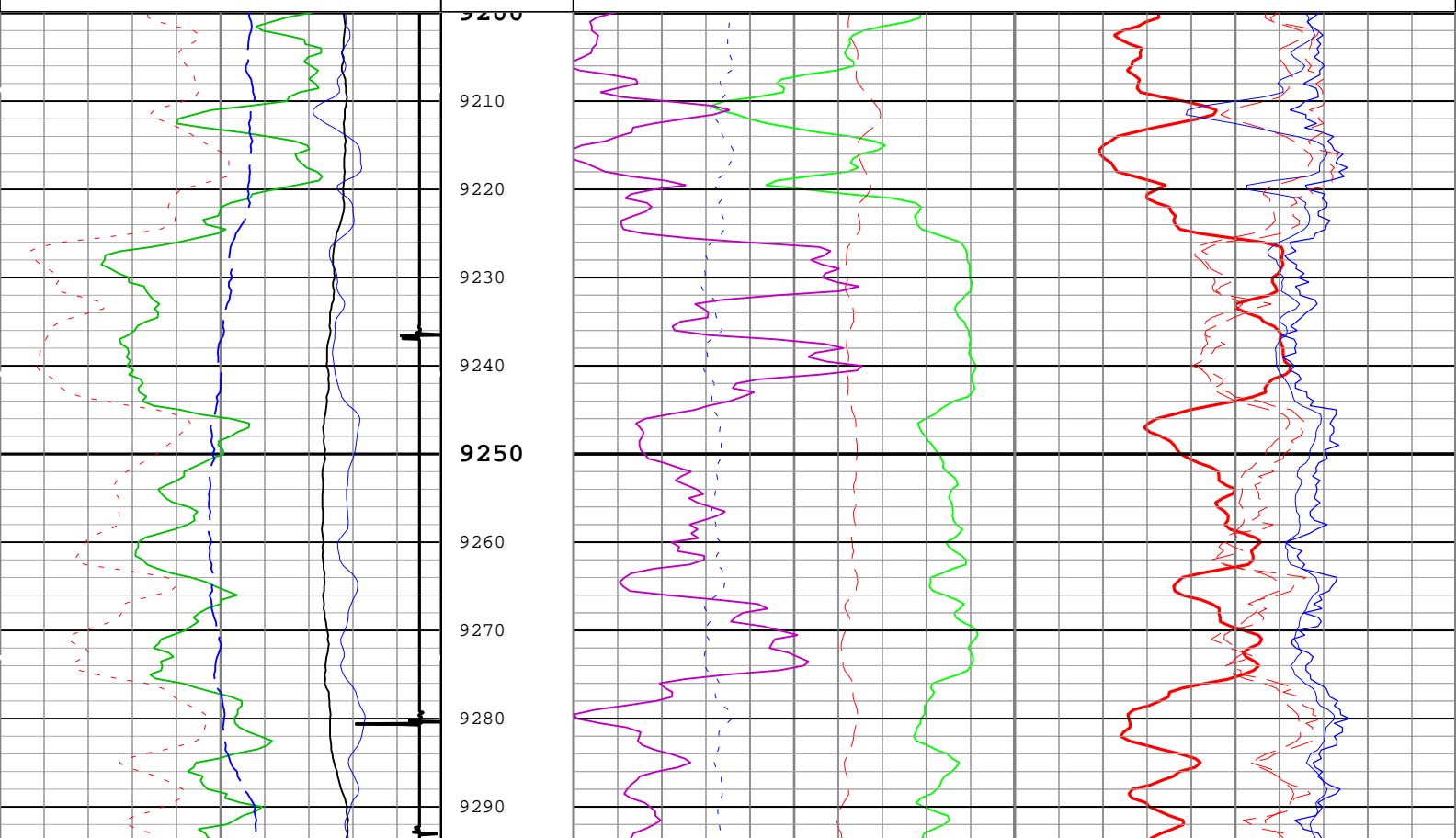
Log	Company:Caerus Operating LLC	Well:NPR 15B-10 596
		one: Log[4]:Up:S002

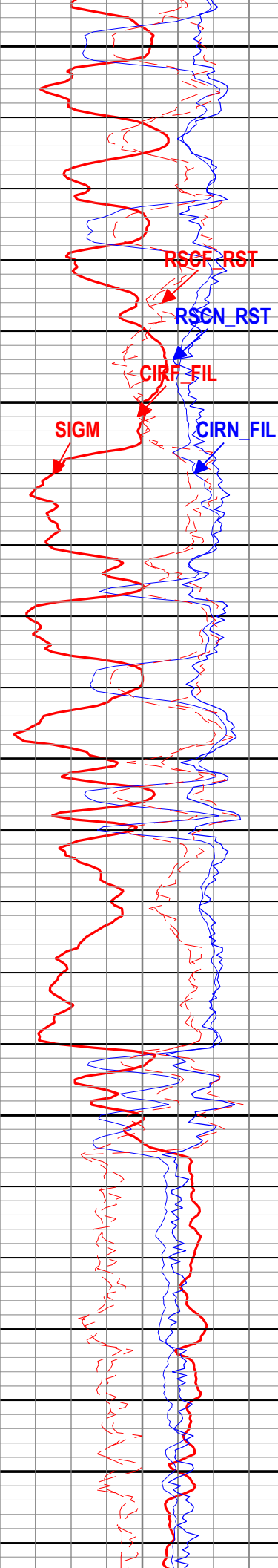
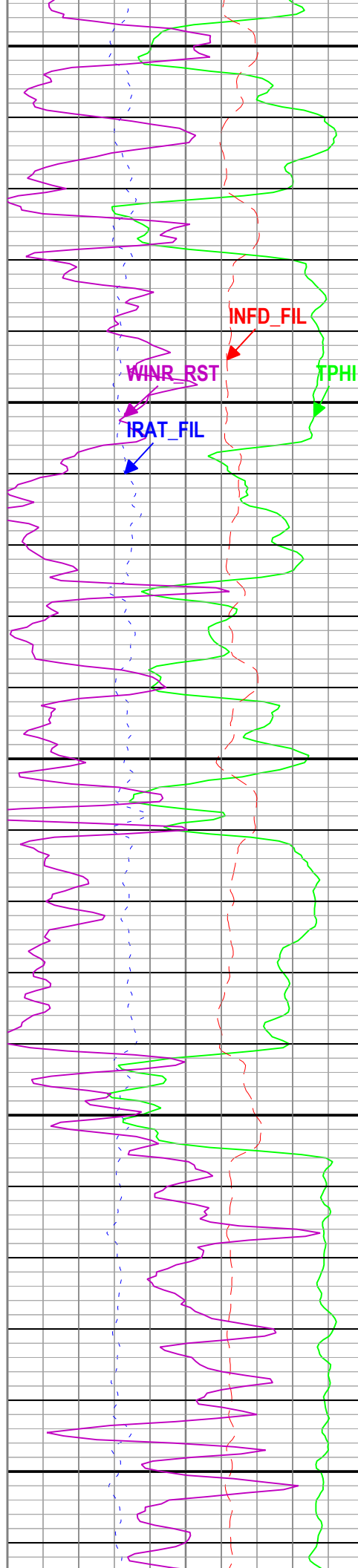
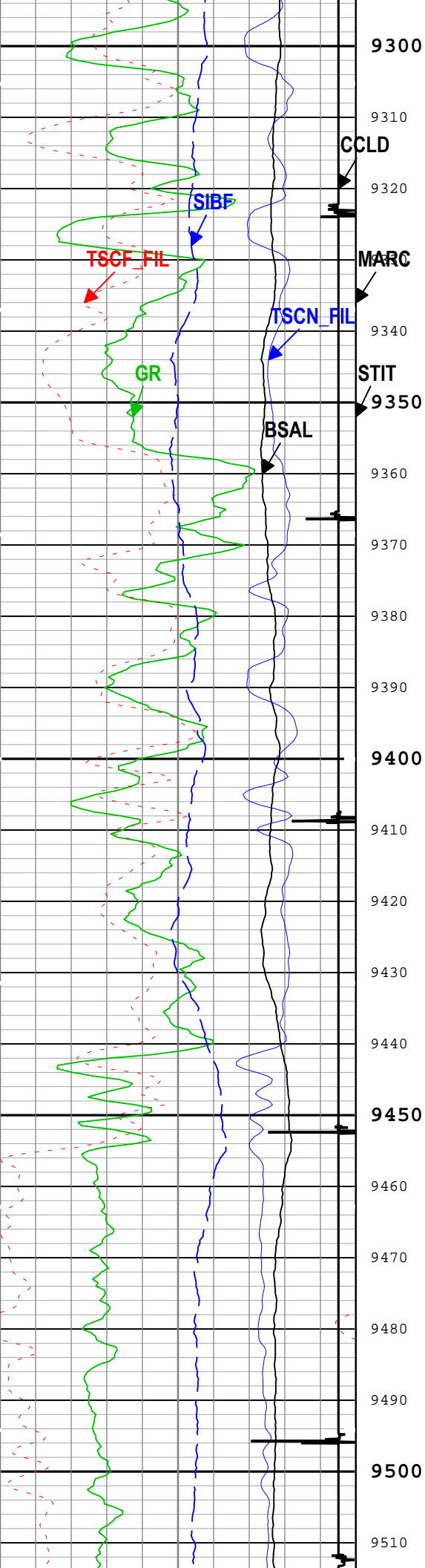
—TIME_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

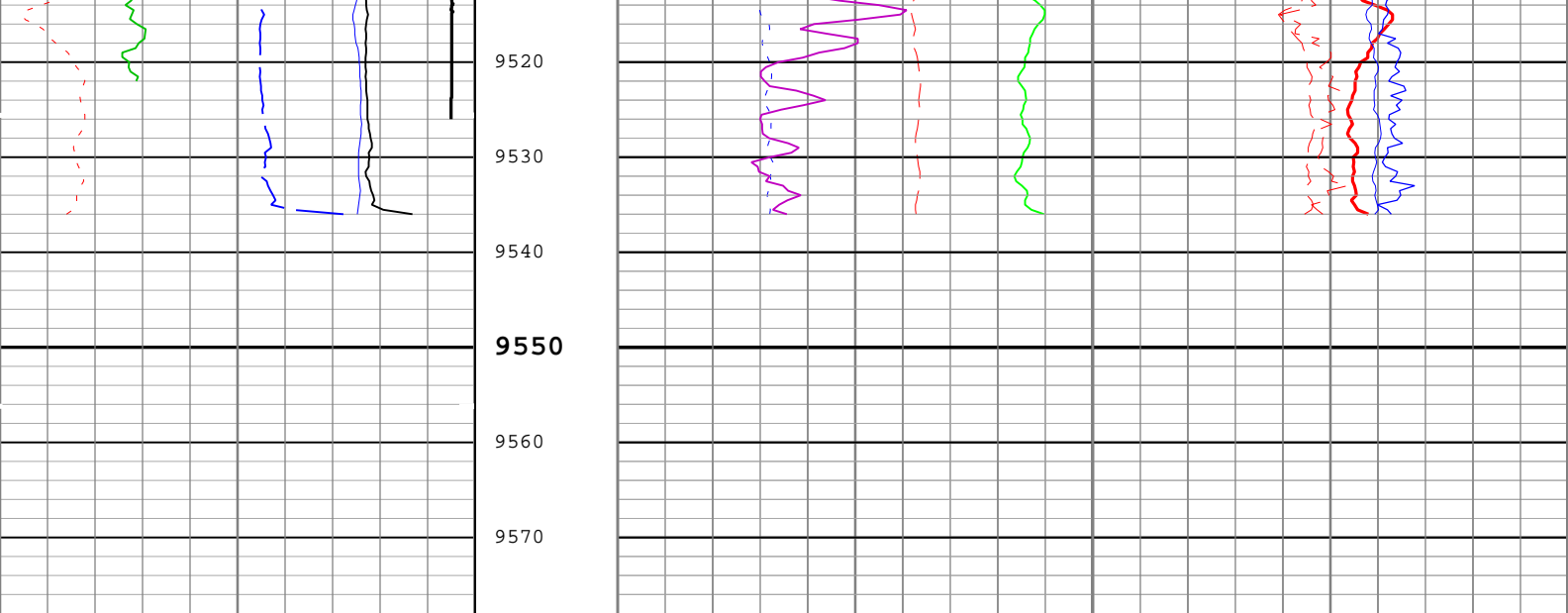
— ICV - Integrated Cement Volume every 100.00 (ft3)

			Stuck Tool Indicator, Total (STIT)		Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C	
Borehole Salinity (BSAL) RST-C			0 ft 50		2.5 0	
450	ppk	-50			Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C	
Gamma Ray (GR) PSTP-B					-----	
0	gAPI	150	Cable Drag From STIA to STIT		Inelastic Ratio Filtered (IRAT_FIL) RST-C	
Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C					5 0	
30000	1/s	0	Tool_Tot. Drag From D3T to STIT		Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C	
Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C					-----	
12000	1/s	0			45 0	
Sigma Borehole Fluid (SIBF) RST-C			Minitron Arc Count (MARC) RST-C		Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C	
100	cu	0			-----	
CCL Discriminated Amplitude (CCLD) PSTP-B					45 0	
-19	V	1	0 5		Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C	
					60 cu 0	
					Weighted Inelastic Ratio (WINR_RST) RST-C	

					0 0.4	







Borehole Salinity (BSAL) RST-C			Stuck Tool Indicator, Total (STIT)	Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C		
450	ppk	-50		60	cu	0
Gamma Ray (GR) PSTP-B			0 ft 50	Weighted Inelastic Ratio (WINR_RST) RST-C		
0	gAPI	150		0		0.4
Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C			Cable Drag From STIA to STIT	Inelastic Ratio Filtered (IRAT_FIL) RST-C	Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C	
30000	1/s	0		0.75	0	2.5
Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C			Tool_Tot. Drag From D3T to STIT	Thermal Decay Porosity (TPHI) RST-C	Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C	
12000	1/s	0		0.6	ft3/ft3	0
Sigma Borehole Fluid (SIBF) RST-C			Minitron Arc Count (MARC) RST-C	Gross Inelastic Count Rate Far Detector Filtered (INFDFIL) RST-C	Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C	
100	cu	0		10000	1/s	0
CCL Discriminated Amplitude (CCLD) PSTP-B						45
-19	V	1				
						Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C
						45

- ICV - Integrated Cement Volume every 100.00 (ft3)
- ICV - Integrated Cement Volume every 10.00 (ft3)
- IHV - Integrated Hole Volume every 100.00 (ft3)
- IHV - Integrated Hole Volume every 10.00 (ft3)
- TIME_1900 - Time Marked every 60.00 (s)
- TIME_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

Description: RST SIGMA Answer Format: Log (RST SIGMA Answer) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 18-Sep-2018 23:48:42

Channel Processing Parameters				
one: Parameters				
Parameter	Description	Tool	Value	Unit
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased	
BS	Bit Size	WLSESSION	8.75	in
BSAL	Borehole Salinity	Borehole	0	ppm
BSALOPT	Borehole Salinity Option	RST-C	Unknown	
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	SANDSTONE	
TD	Total Measured Depth	Borehole	9565	ft

Tool Control Parameters				
one: Parameters				
Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-B	24 dB	
RST_DLM	Depth Log Mode	RST-C	Sigma	

Company: Caerus Operating LLC

Schlumberger

Well: NPR 15B-10 596

Field: NPR

County: Garfield

State: Colorado

Cement Bond Log

RST Sigma Log

Gamma Ray / Collar Locator Log