

Company: Caerus Operating LLC

Well: Puckett 11D-26-697

Field: Grand Valley

County: Garfield State: Colorado

Cement Bond Log  
RST Sigma Log  
Gamma Ray - Collar Locator Log

County: Garfield  
Field: Grand Valley  
Location:  
Well: Puckett 11D-26-697  
Company: Caerus Operating LLC

Location:		Elev.:	K.B.	8352.00 ft
Permanent Datum:			G.L.	8322.00 ft
Log Measured From:			D.F.	8352.00 ft
Drilling Measured From:		Ground Level	Kelly Bushing	30.00 ft
API Serial No.		Section:	Kelly Bushing	above Perm.Datum
05045234100000		26	Township:	6S
			Range:	97W

Logging Date	04-May-2018	
Run Number	One	
Depth Driller	8928.00 ft	
Schlumberger Depth	8892.00 ft	
Bottom Log Interval	8892.00 ft	
Top Log Interval	2300.00 ft	
Casing Fluid Type	2% KCL Water	
Salinity		
Density	8.49 lbm/gal	
Fluid Level	8.00 ft	
BIT/CASING/TUBING STRING		
Bit Size	8.75 in	
From	2522.00 ft	
To	8928.00 ft	
Casing/Tubing Size	4.5 in	
Weight	11.6 lbm/ft	
Grade	P110	
From	0.00 ft	
To	8928.00 ft	
Max Recorded Temperatures	231.85 degF	
Logger on Bottom	08-May-2018	10:25:00
Unit Number	Location:	Time
Recorded By	3046	B.Guaita/M. Castro
Witnessed By	Ryan Tompkins	Evanston,WY

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.

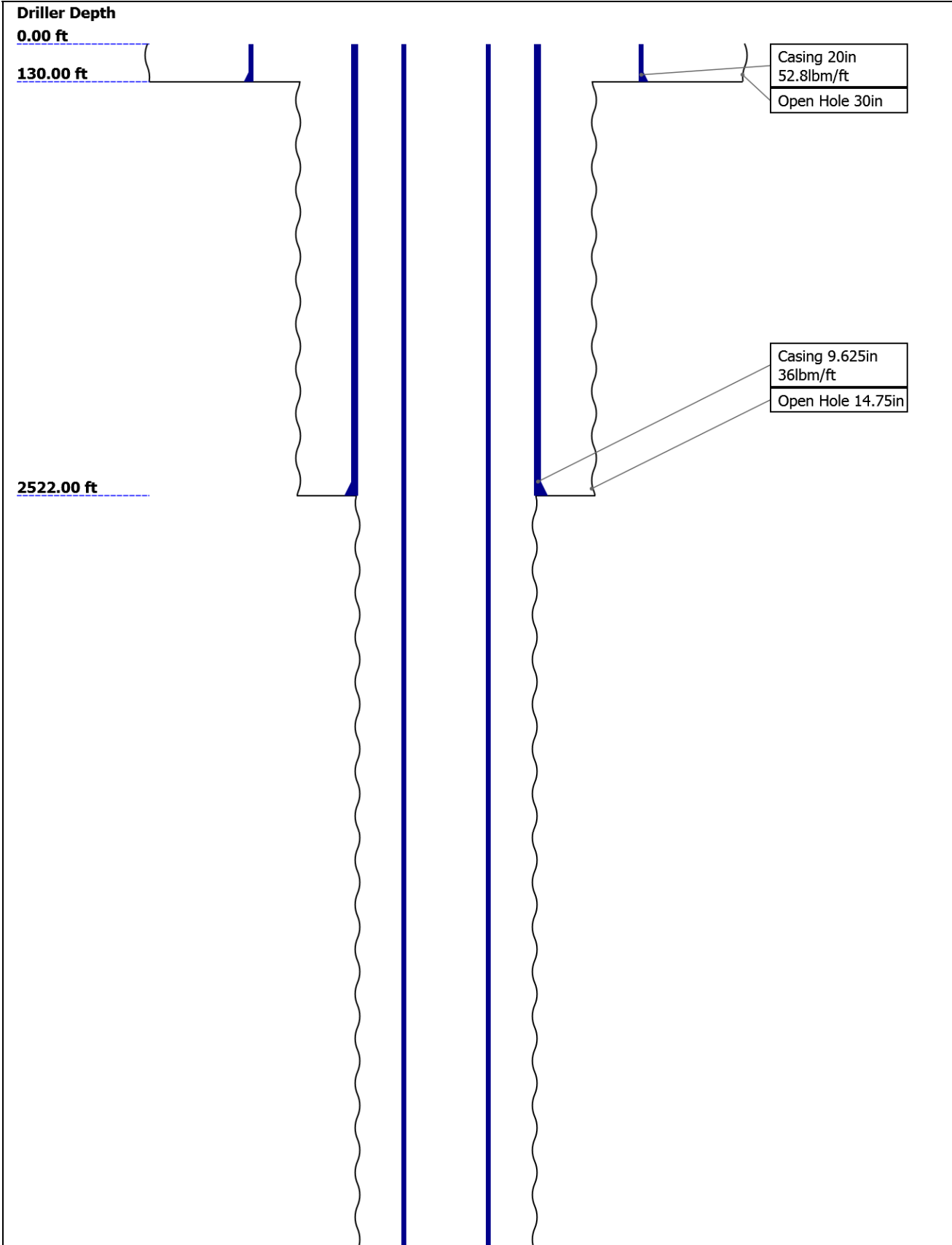
Contents

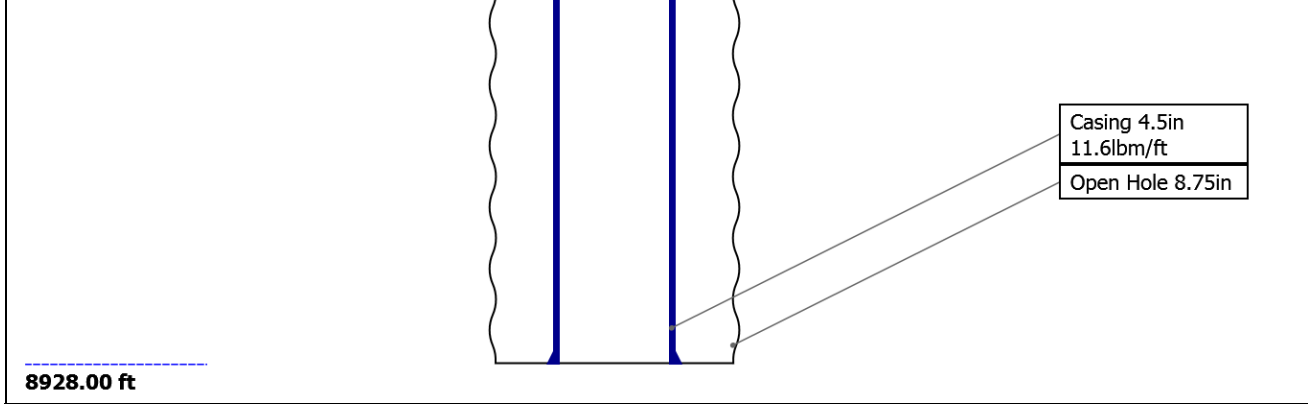
- Header
- Disclaimer
- Contents
- Well Sketch
- Borehole Size/Casing/Tubing Record
- Remarks and Equipment Summary
- Depth Summary
- One CBL-VDL Main Pass
  - Integration Summary
  - Software Version
  - Composite Summary
  - Log ( Sonic CBL with VDL )
  - Parameter Listing
- One CBL-VDL Repeat Pass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

- Parameter Listing
- One Main Sigma Pass
  - Integration Summary
  - Software Version
  - Composite Summary
  - Log ( RST SIGMA Answer )
  - Parameter Listing
- One Repeat Sigma 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 Free Pipe Pass
  - 10.1 Integration Summary
  - 10.2 Software Version
  - 10.3 Composite Summary
  - 10.4 Log ( Sonic CBL with VDL )

Well Sketch



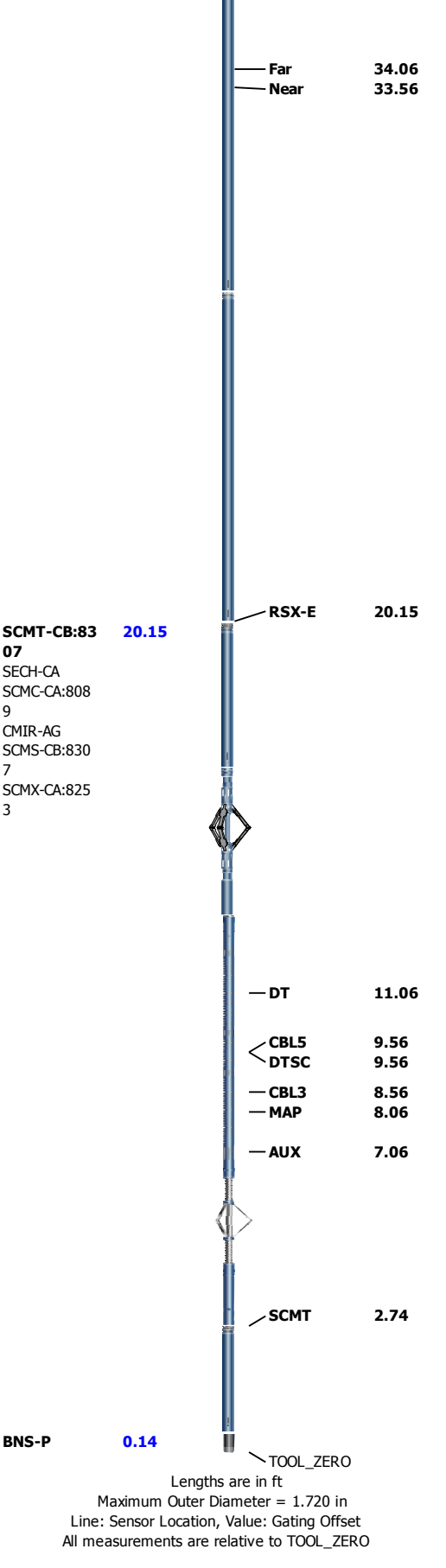


## Borehole Size/Casing/Tubing Record

Bit						
Bit Size ( in )	30	14.75	8.75			
Top Driller ( ft )	0	130	2522			
Top Logger ( ft )	0	130	2522			
Bottom Driller ( ft )	130	2522	8928			
Bottom Logger ( ft )	130	2522	8928			
Casing						
Size ( in )	20	9.625	4.5			
Weight ( lbm/ft )	52.8	36	11.6			
Inner Diameter ( in )	19.511	8.921	4			
Grade	N/A	J55	P110			
Top Driller ( ft )	0	0	0			
Top Logger ( ft )	0	0	0			
Bottom Driller ( ft )	130	2522	8928			
Bottom Logger ( ft )	130	2522	8928			

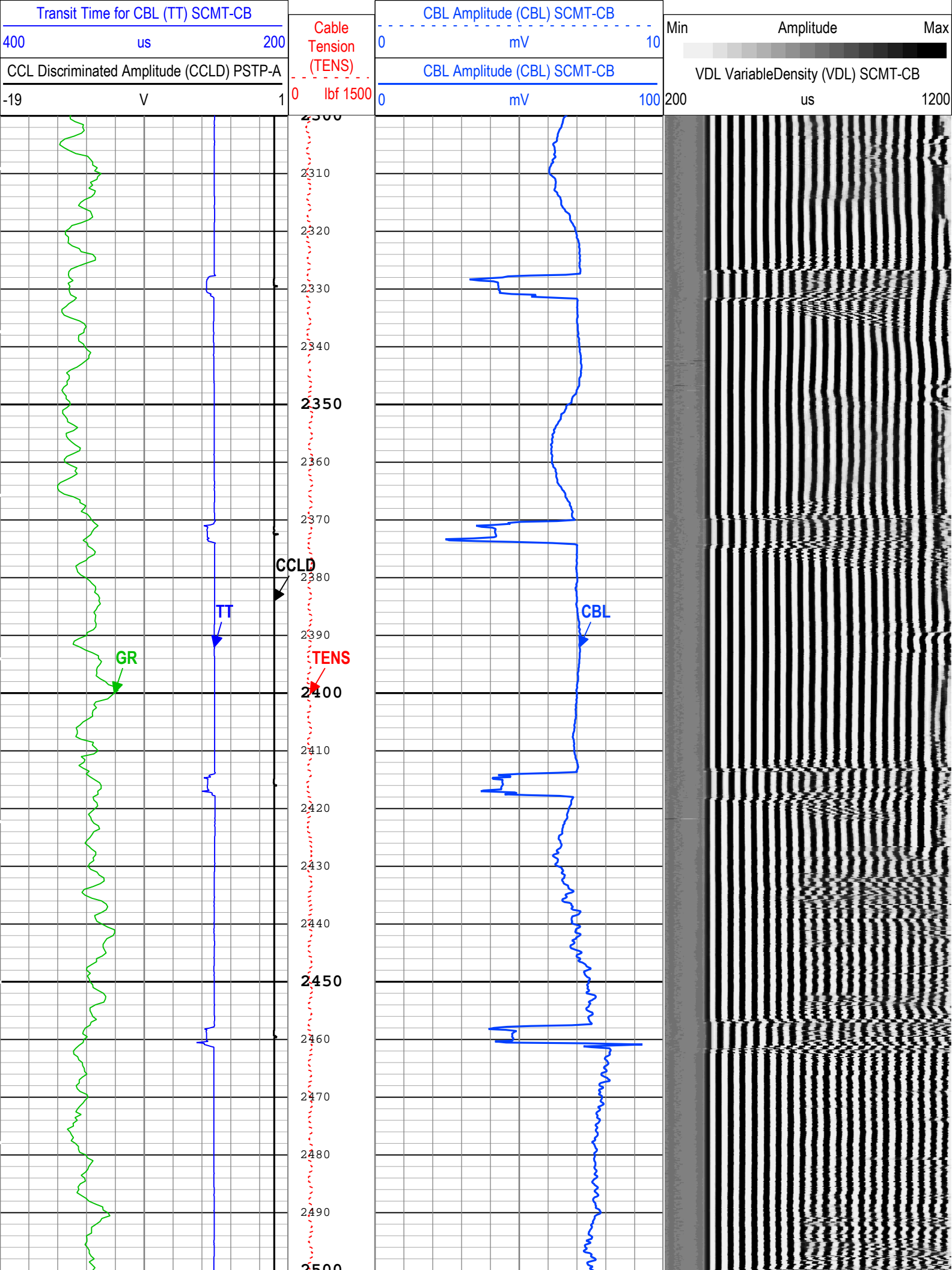
## Remarks and Equipment Summary

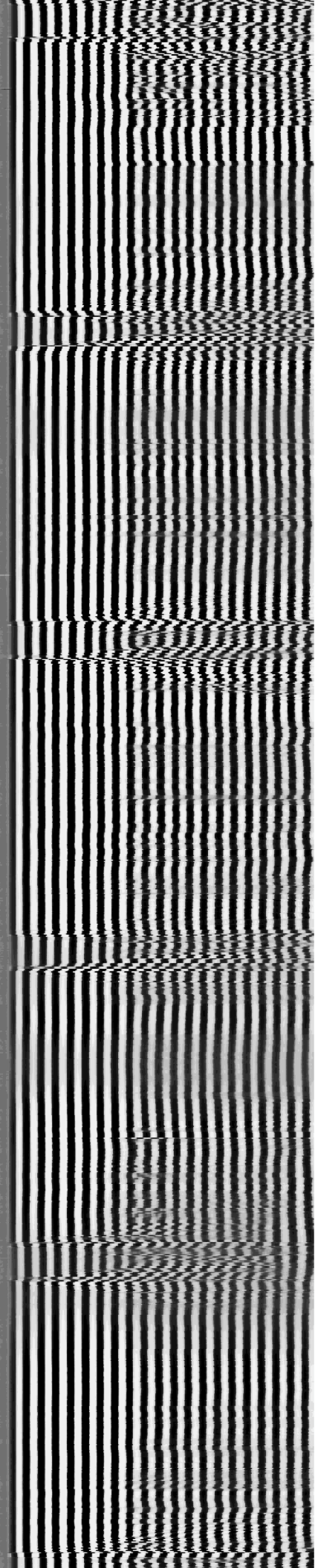
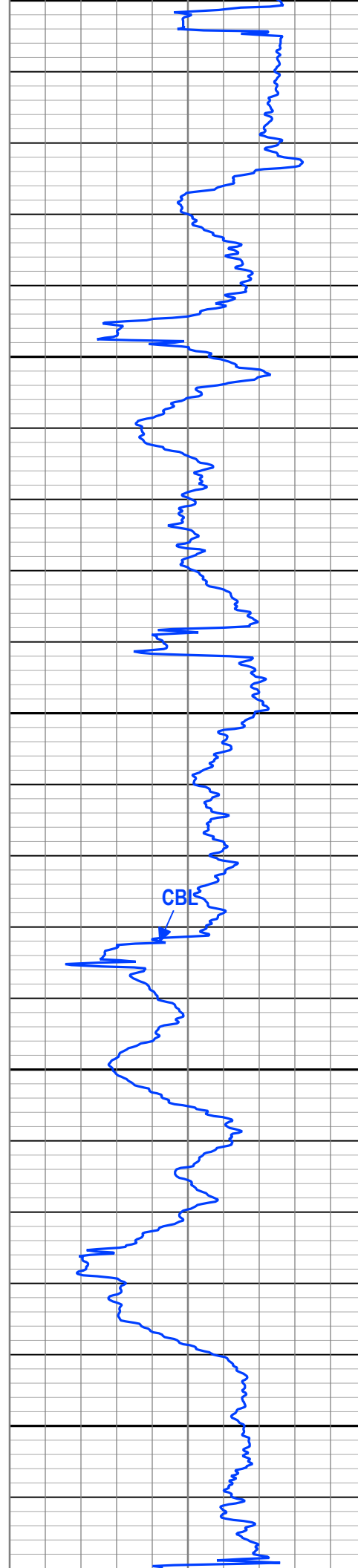
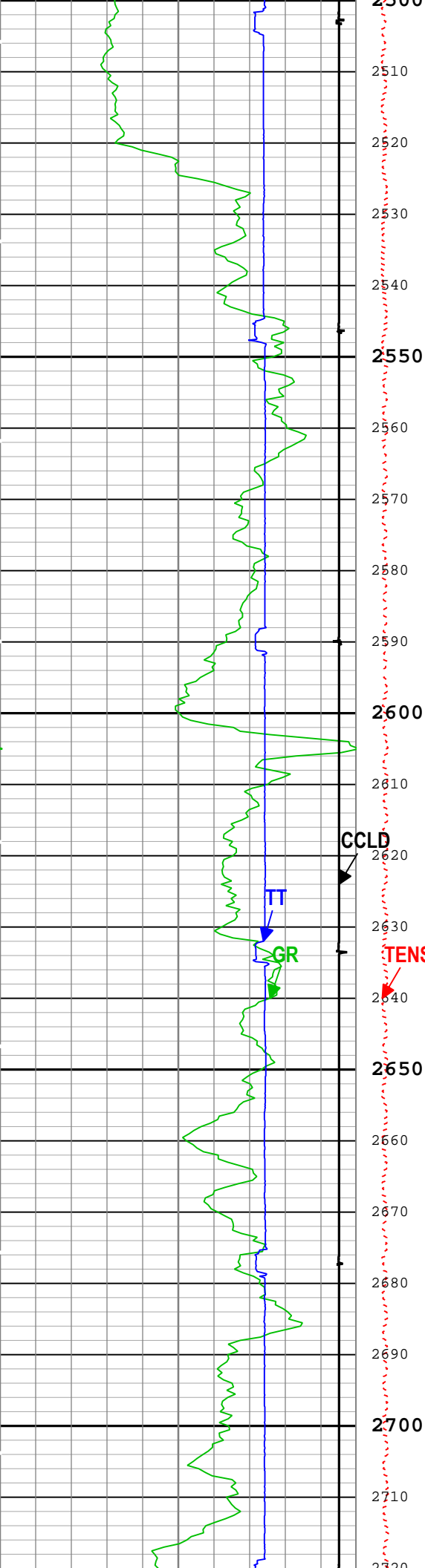
One: Toolstring				One: Remarks	
<b>Equip name</b>	<b>Length</b>	<b>MP name</b>	<b>Offset</b>	Tool Ran as per tool Sketch	
<b>PEH-E</b>	<b>53.4</b>			Gemcos used to enhance centralization	
<b>AH-38</b>	<b>51.72</b>			Thanks for choosing Schlumberger	
<b>PSTP-A:378</b>	<b>51.44</b>			Max temperature 231.85F	
<b>1</b>					
PSC-A:3781		GR	47.74		
PSTC-A:3781		PSTC	47.44		
PBMS-A:3781		PSTC Tool	0.00		
Sapphire 10kP		String Bot			
SI:33930		tom			
		Temperatu	44.65		
		re			
		Sapphire P	44.54		
		ressure			
		CCL	43.92		
		PBMS	43.17		
<b>RST-C:424</b>	<b>43.17</b>				
RSCH-A:277					
RSC-E:295					
RSS-A:373					
MNTR-F:1258					
RSXH-A:417					
RSX-E:424					
		RSC-E	36.82		



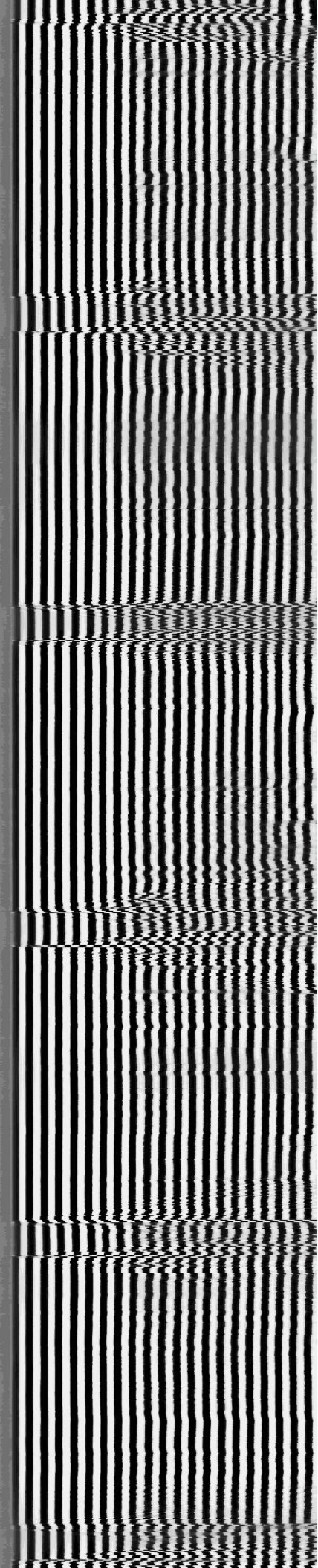
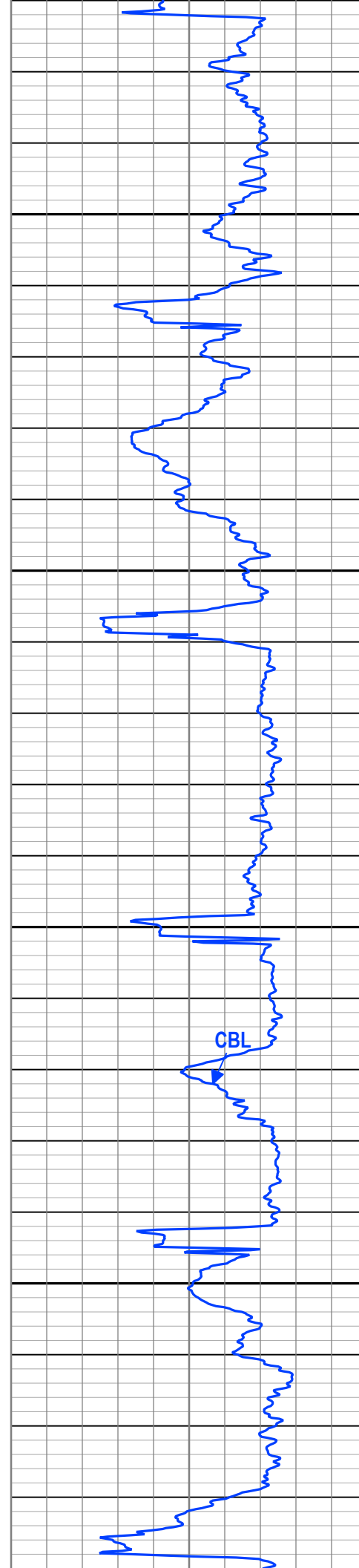
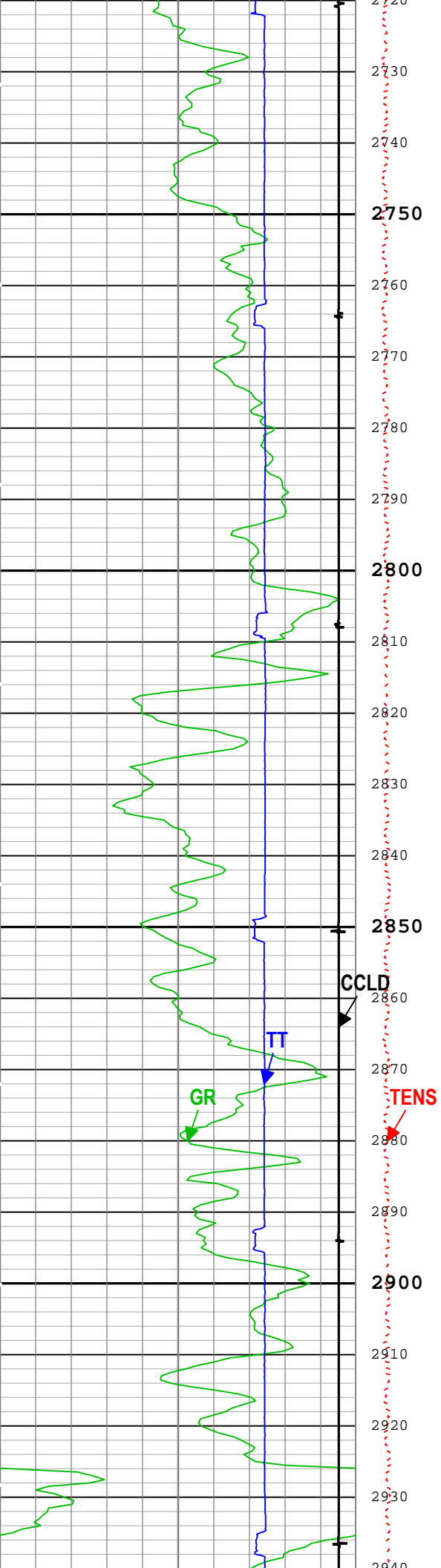
Depth Summary			
One			
Depth Measuring Device			
Type	IDW-B		
Serial Number	6459		
Calibration Date	22-Jan-2018		

Gamma Ray (GR) PSTP-A		
0	gAPI	150

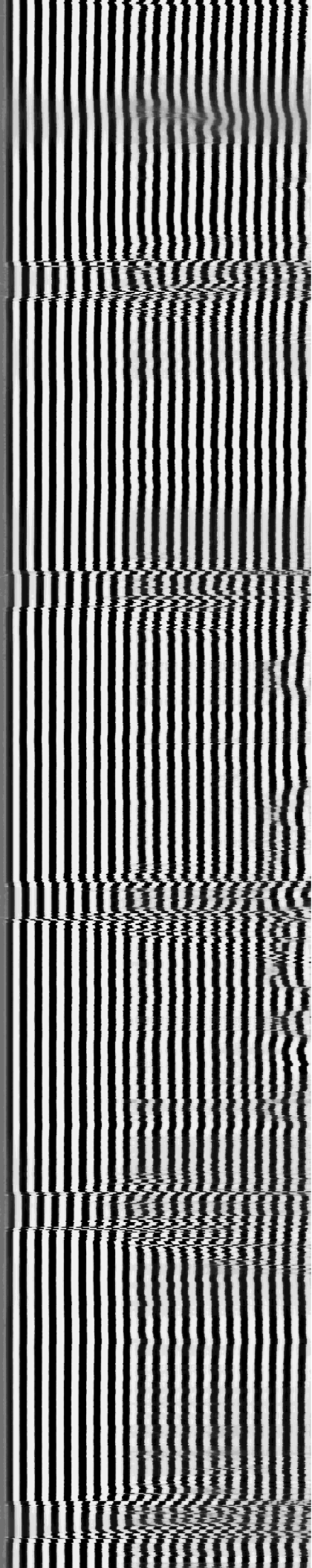
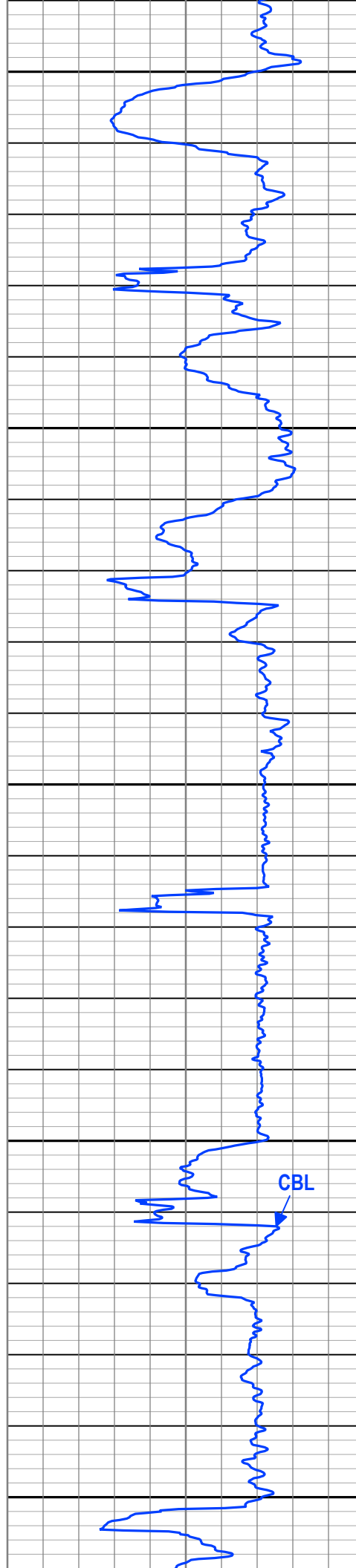
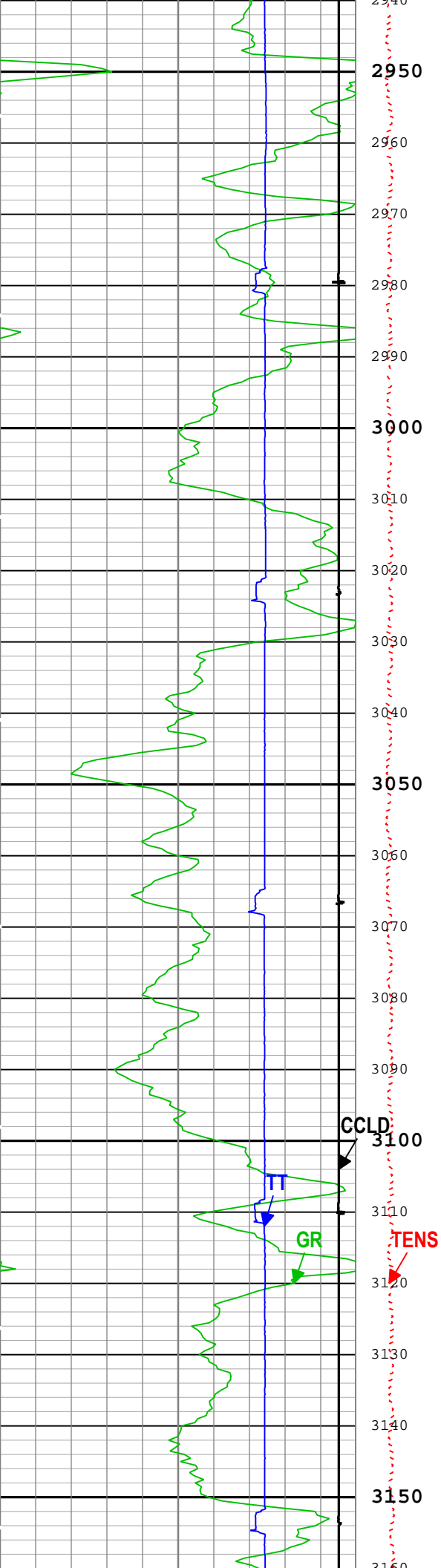


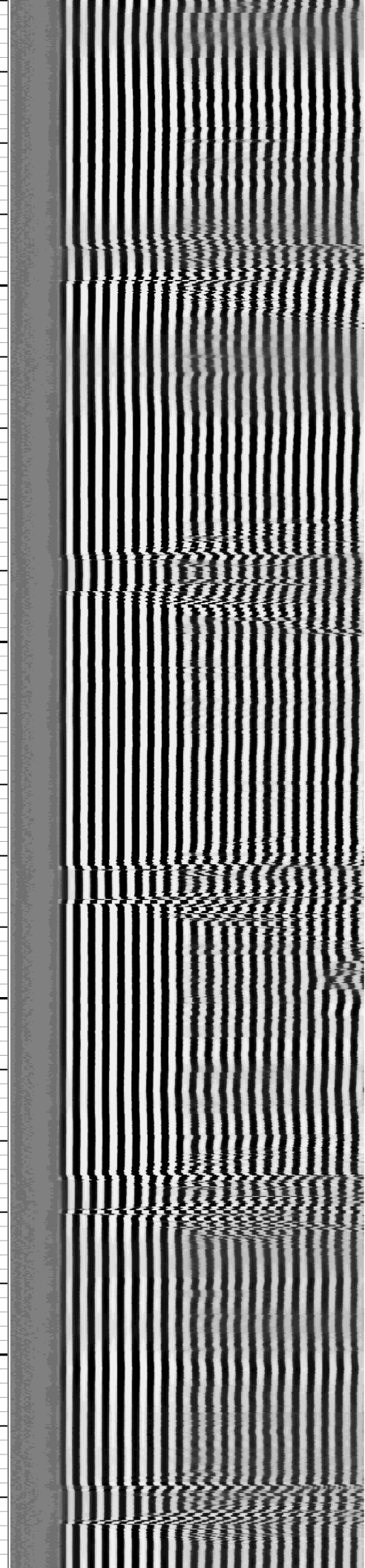
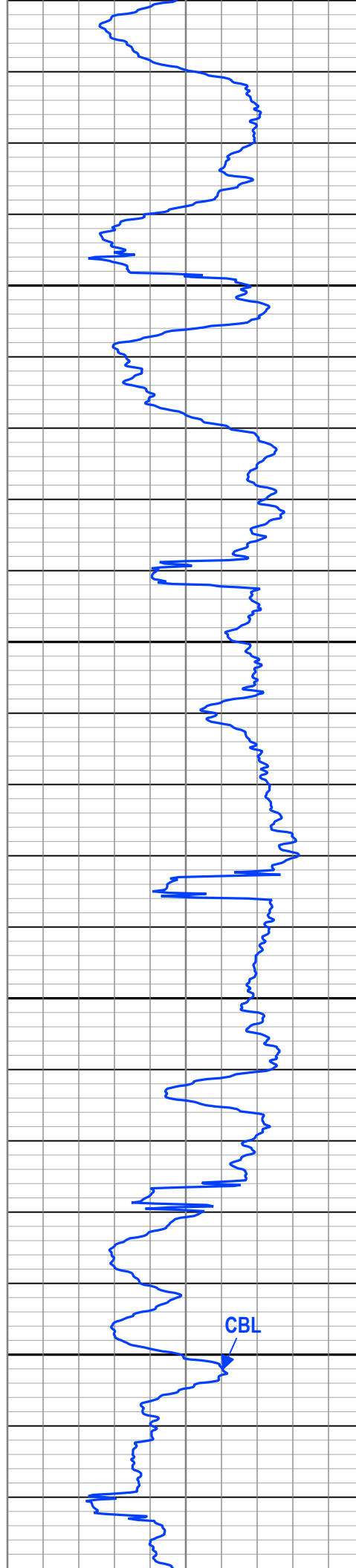
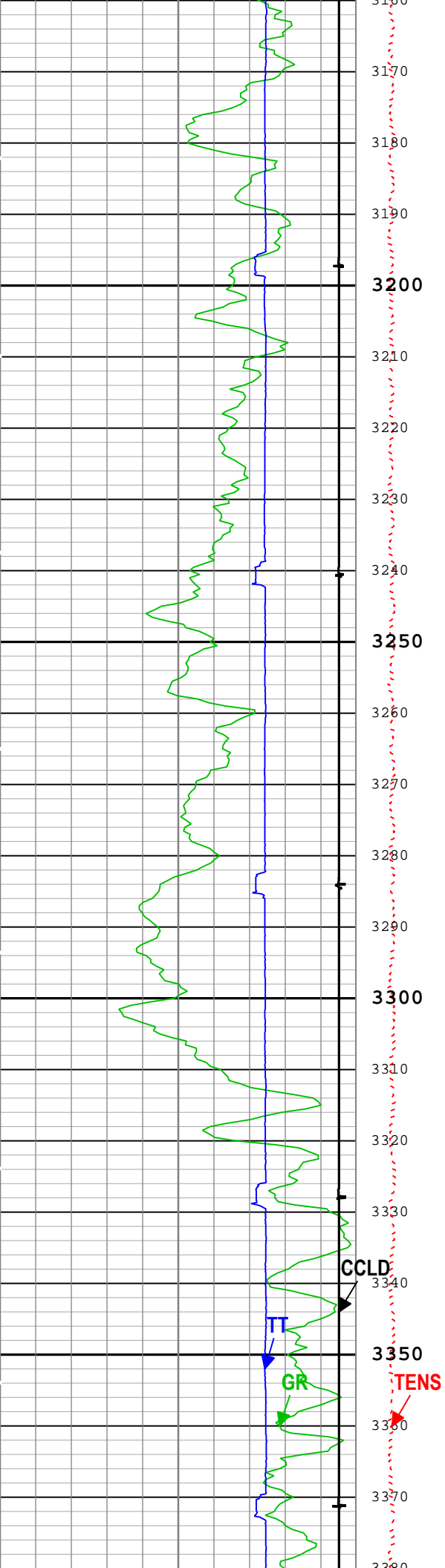


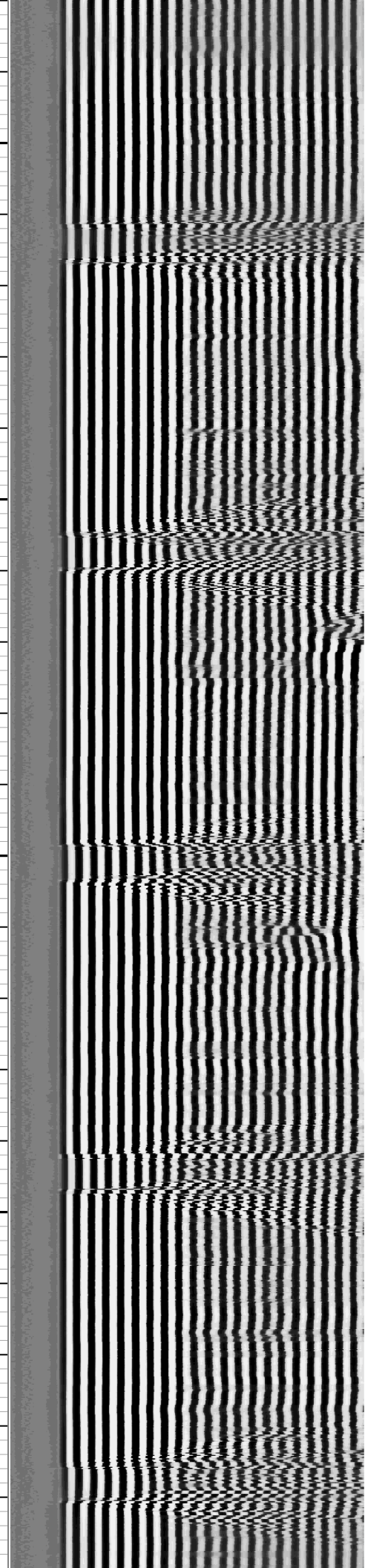
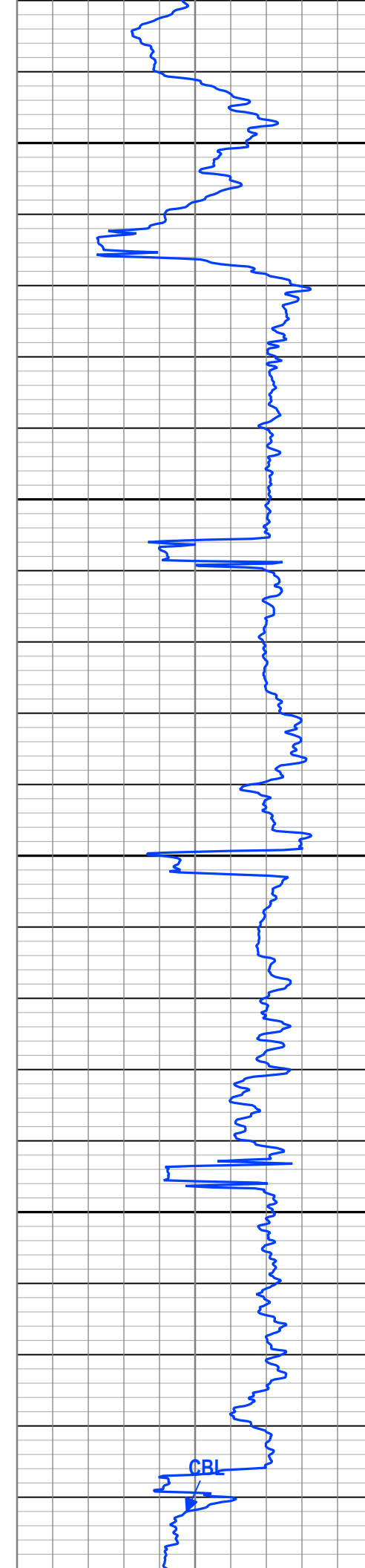
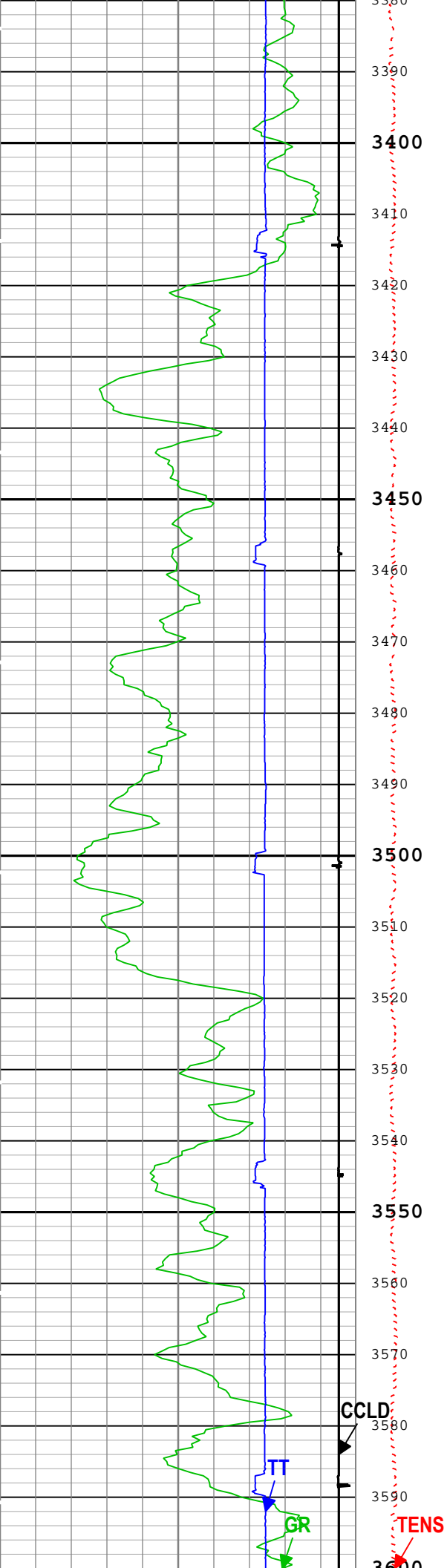




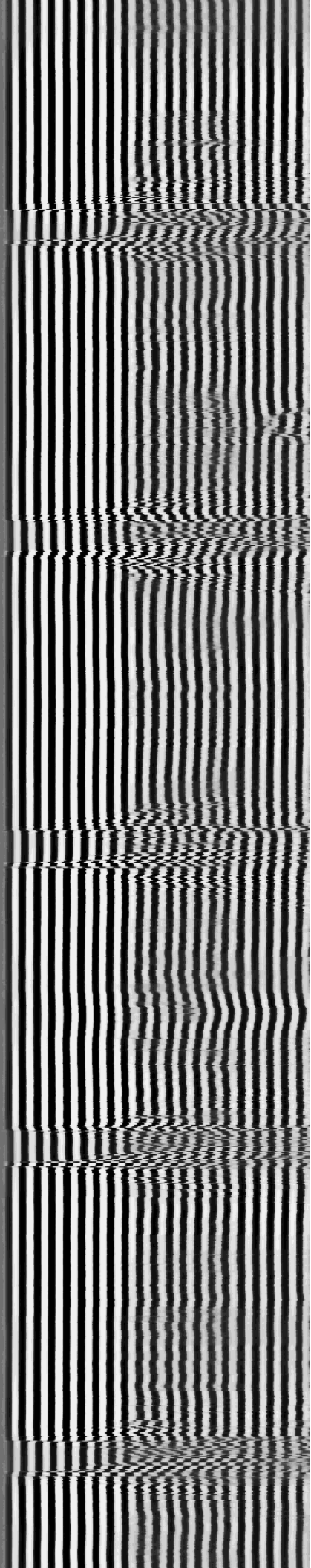
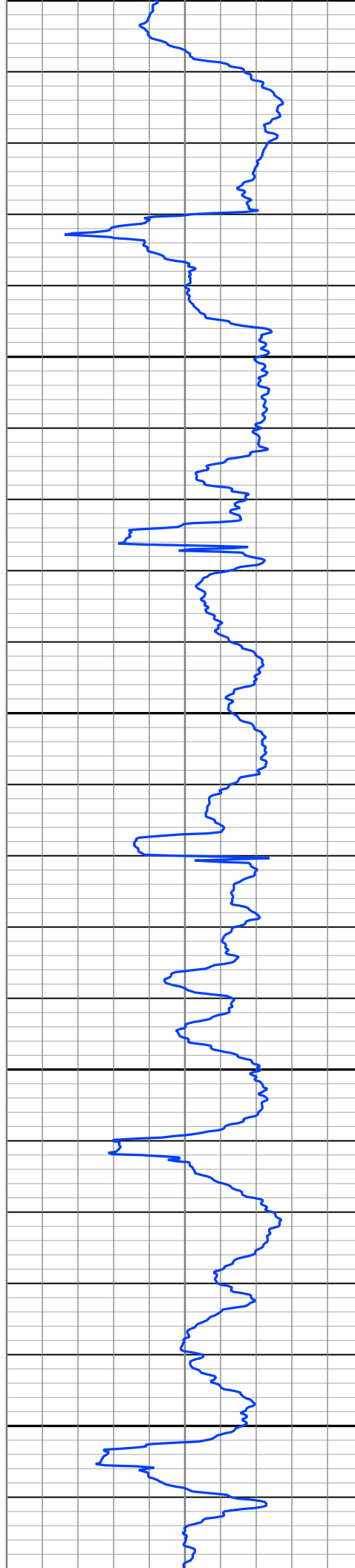
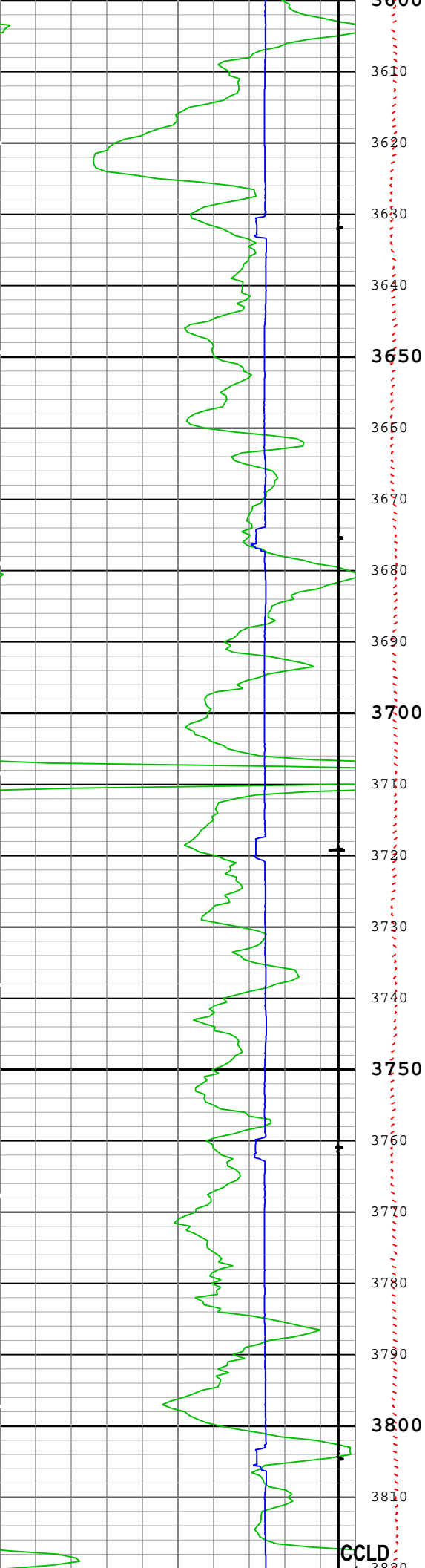


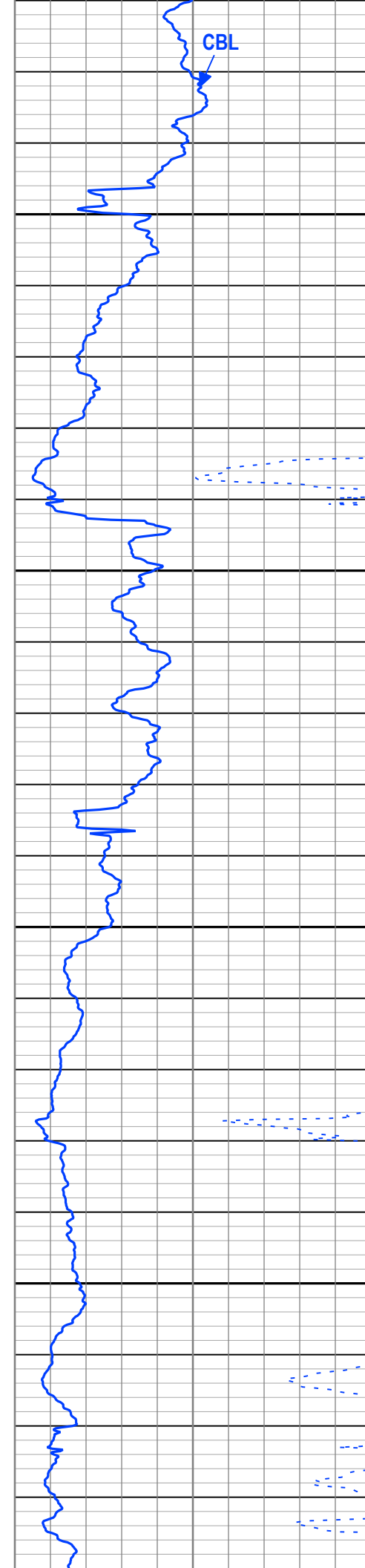
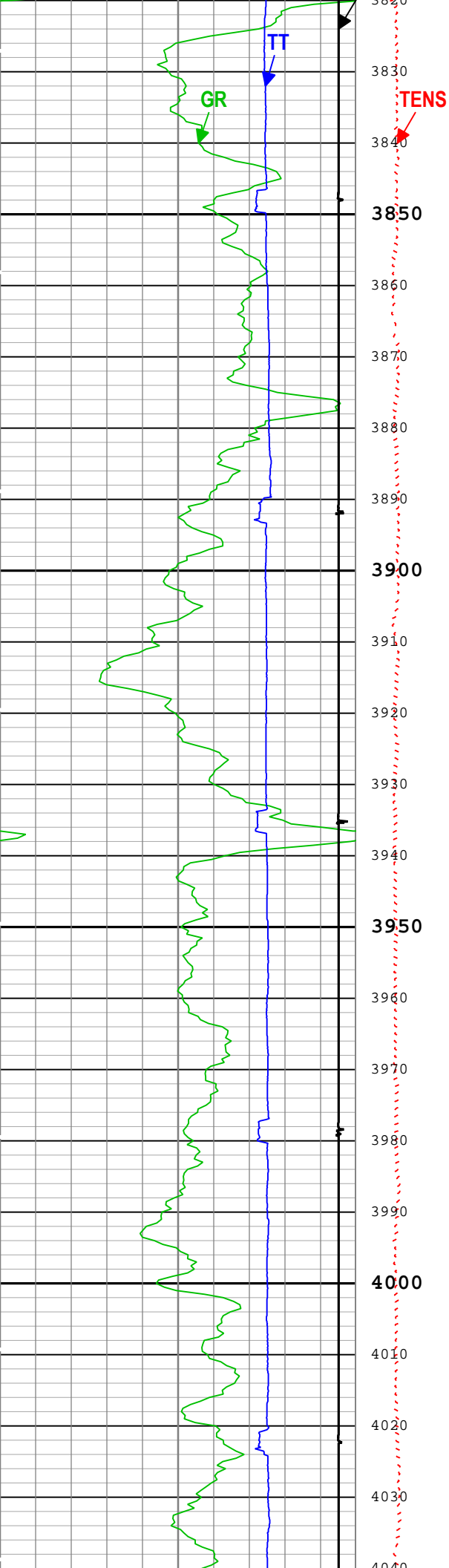


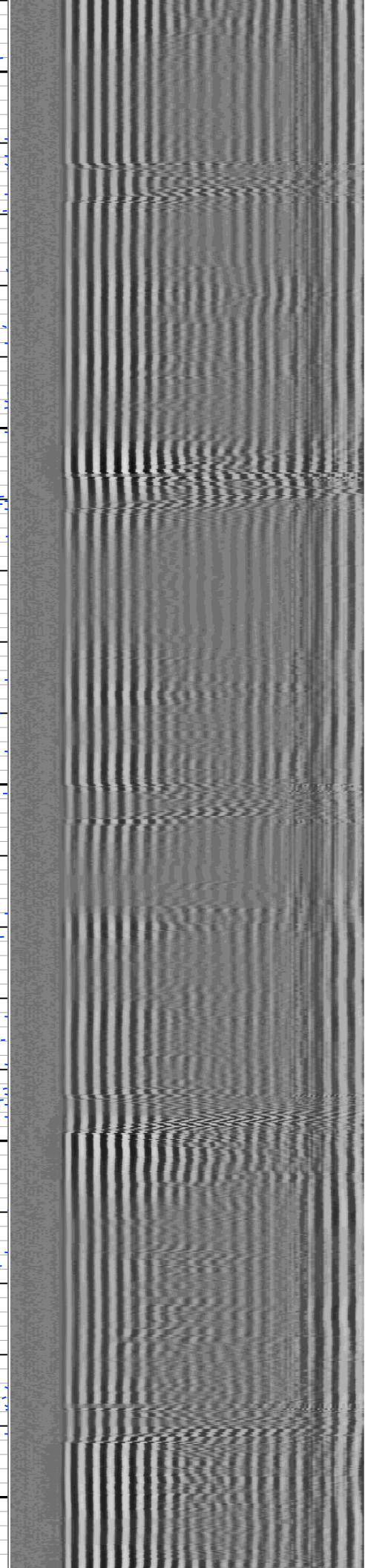
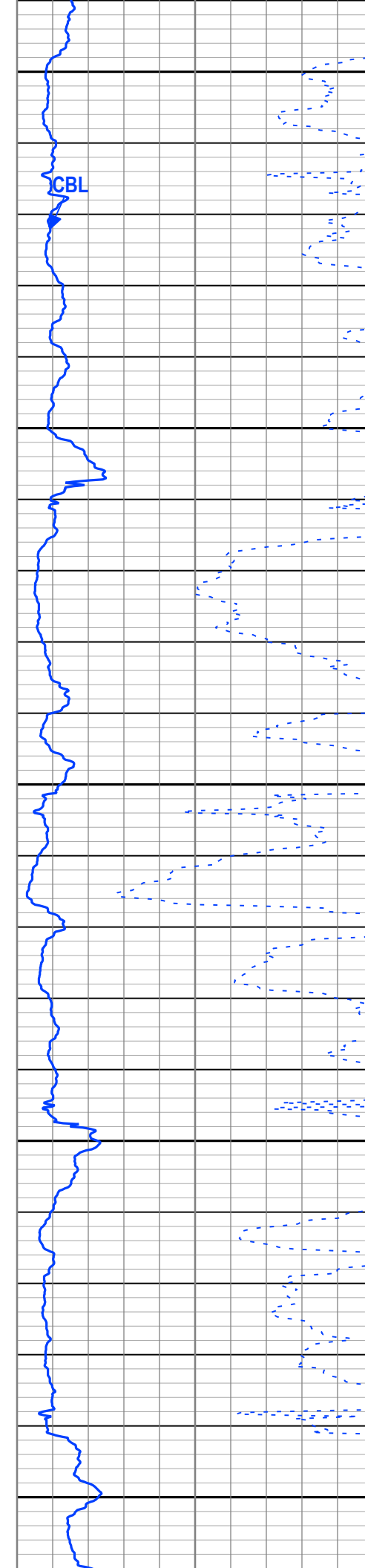
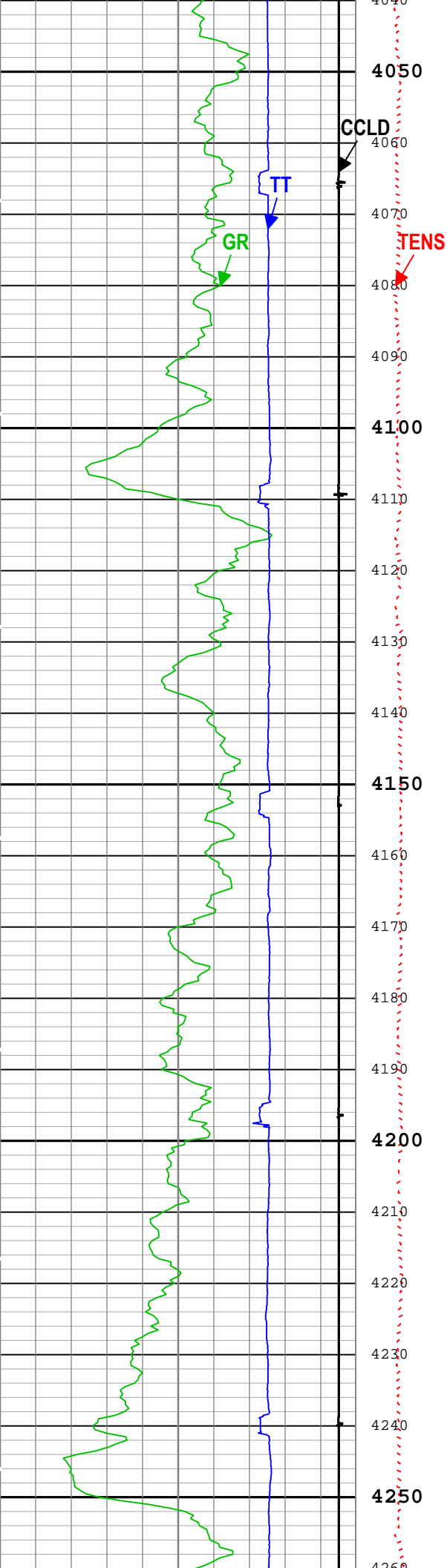




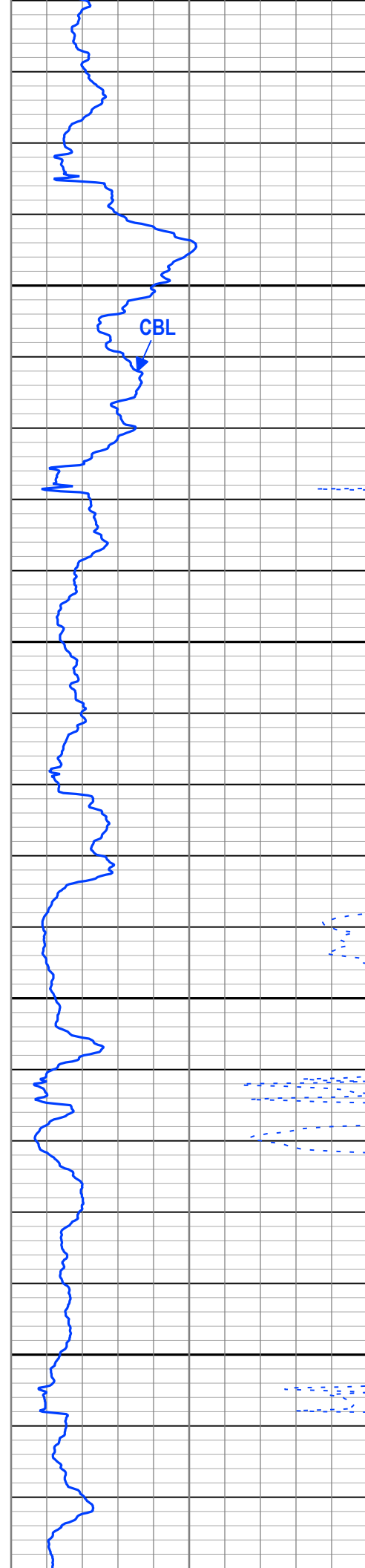
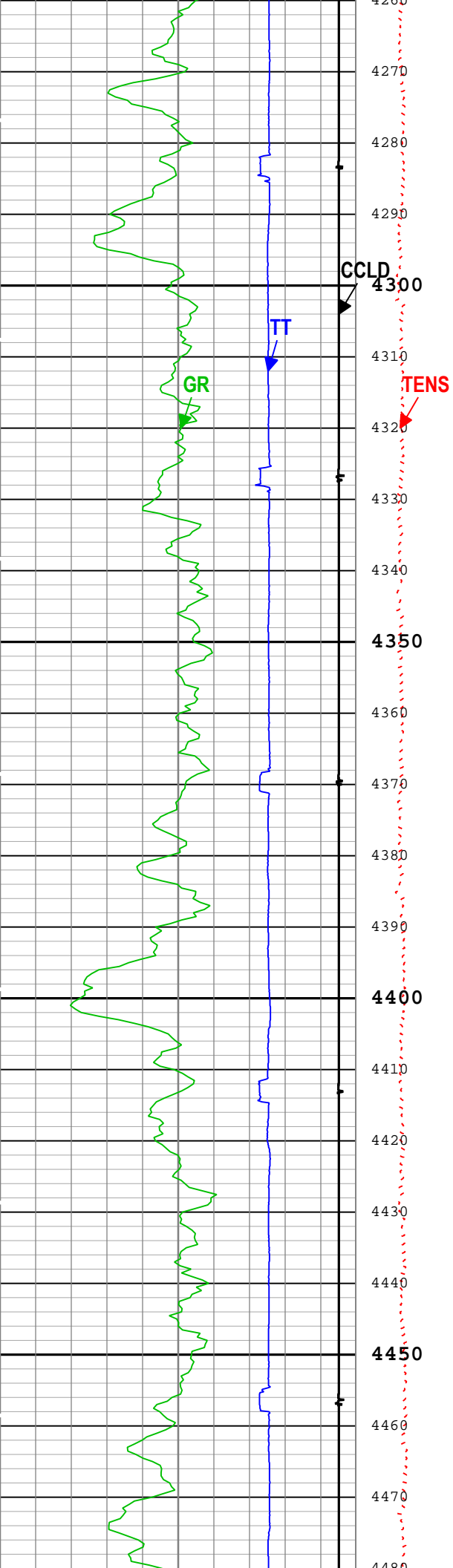


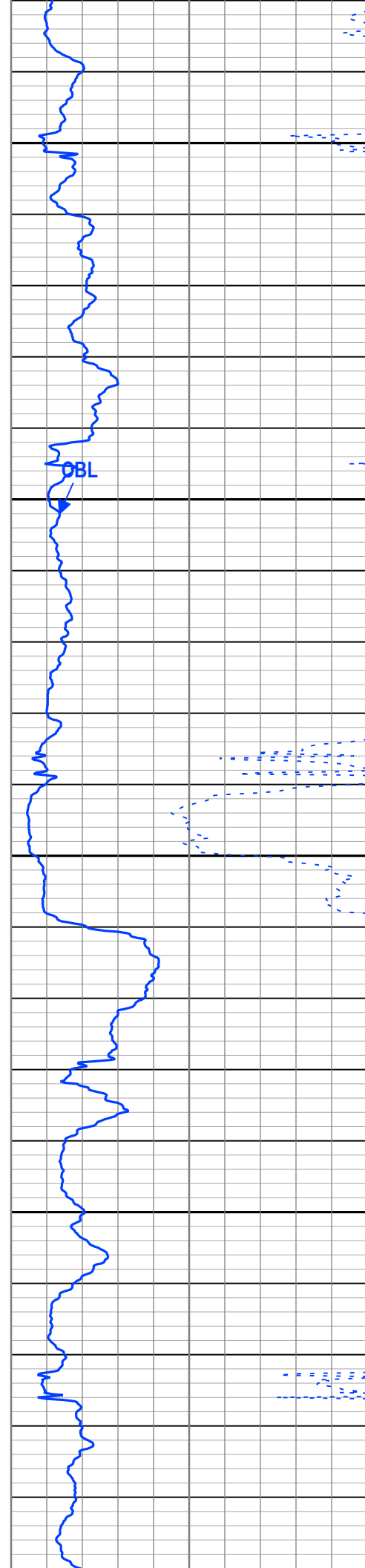
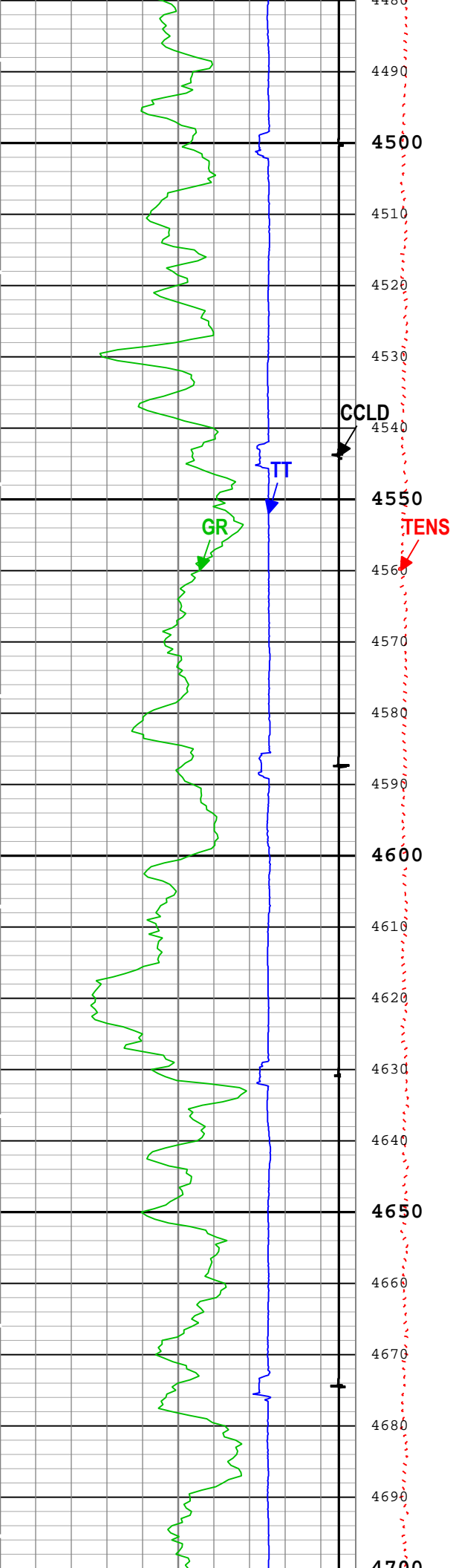


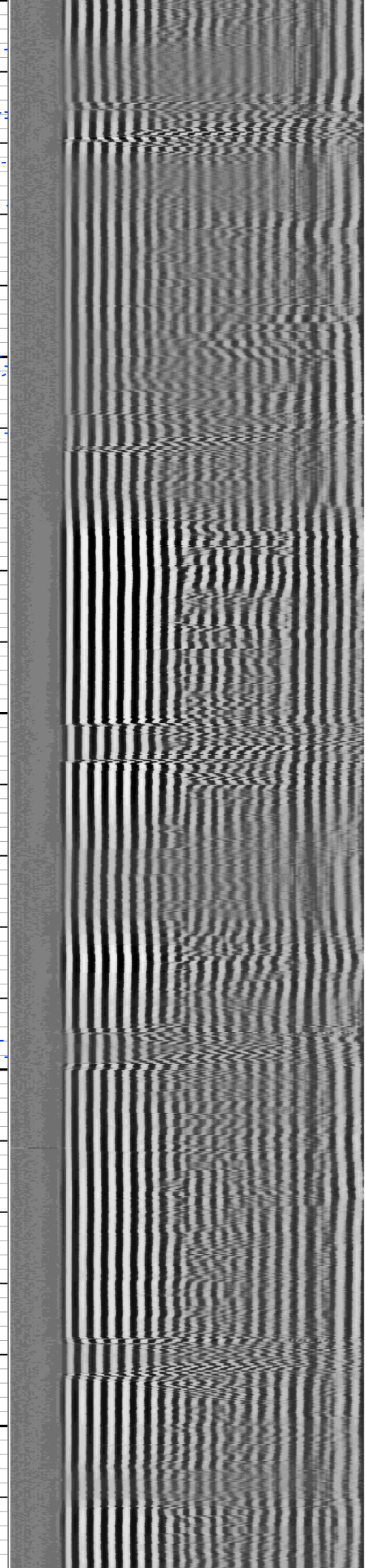
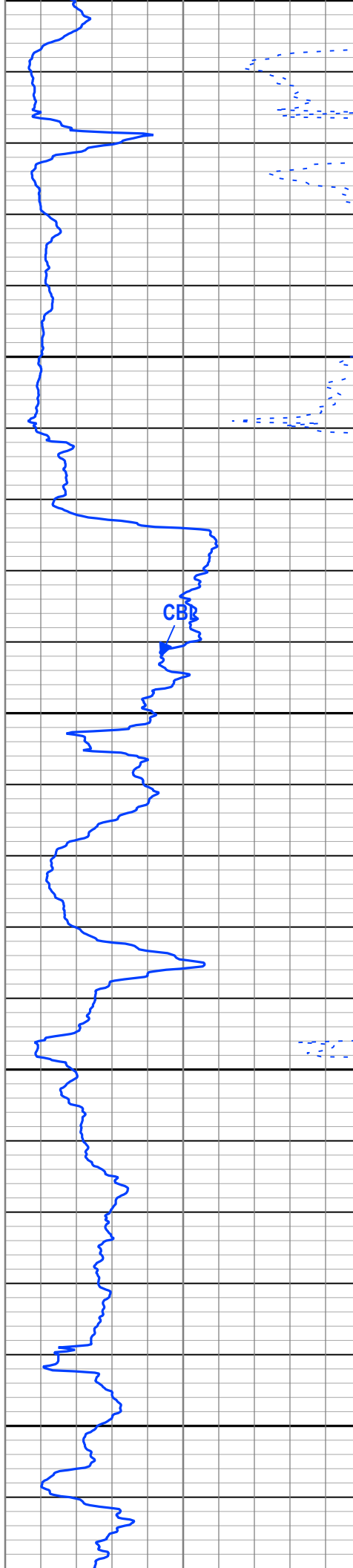
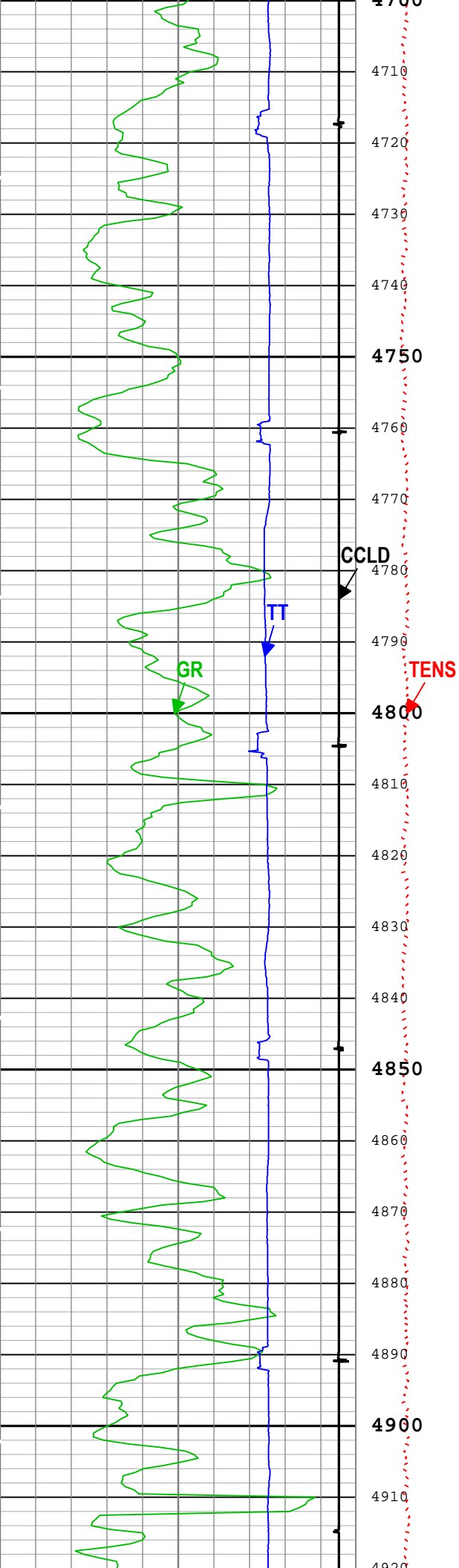




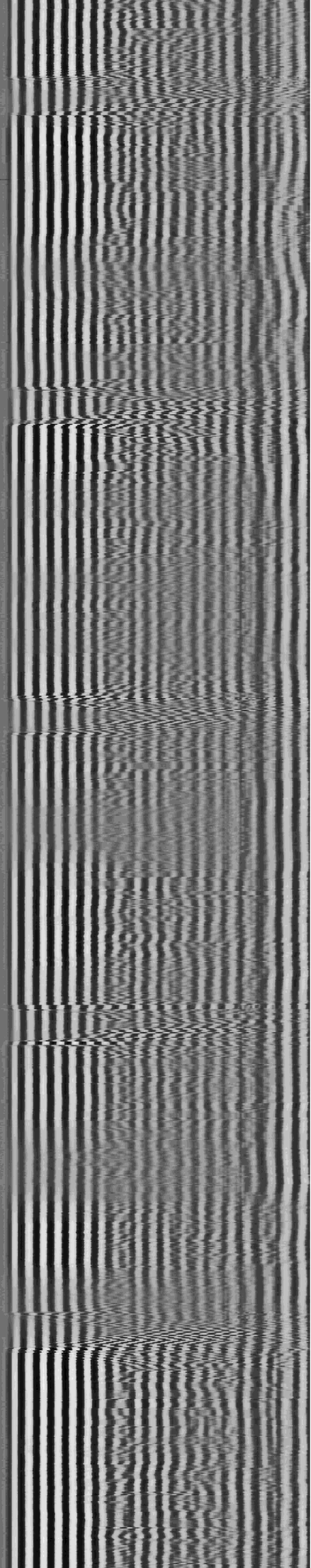
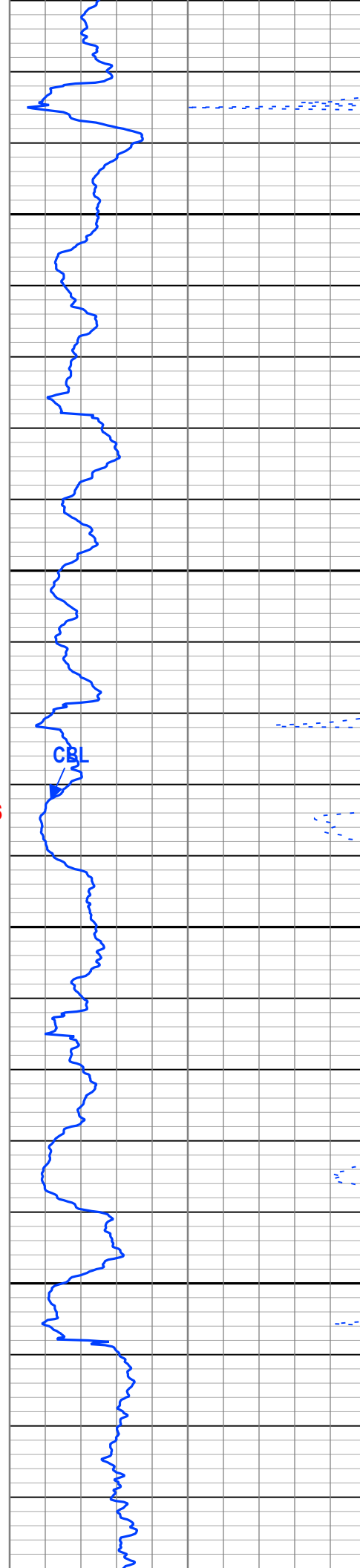
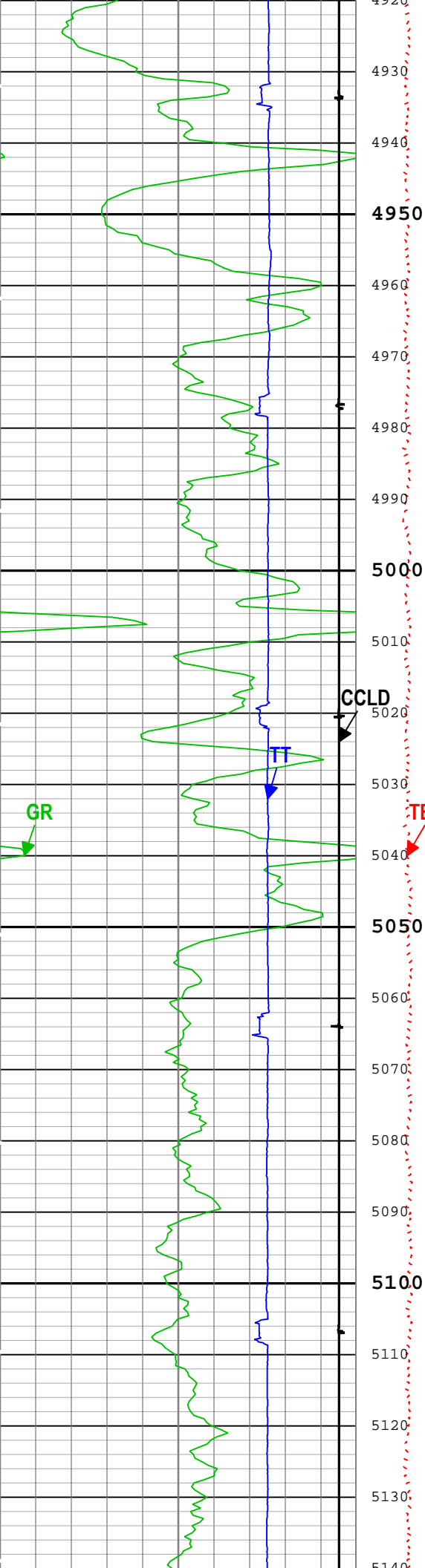


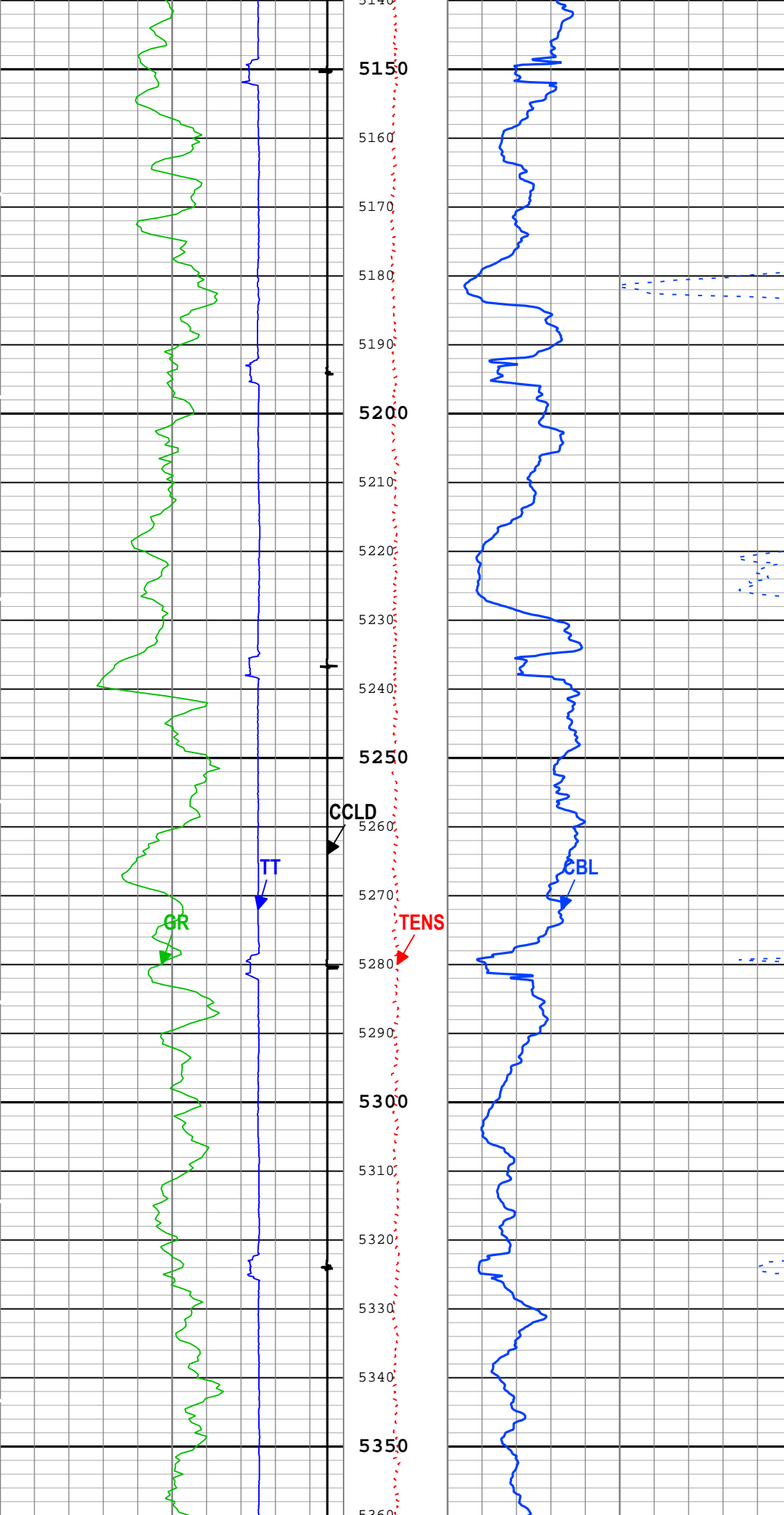


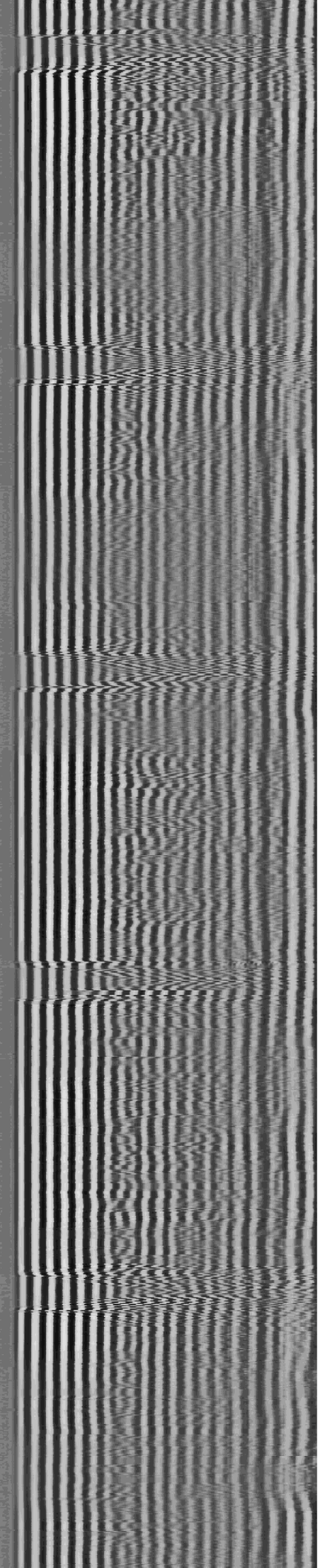
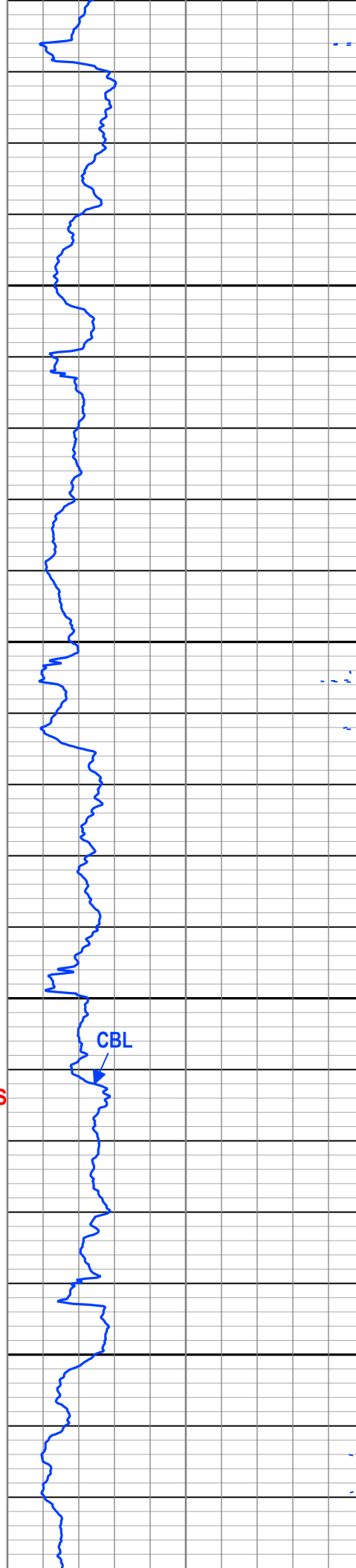
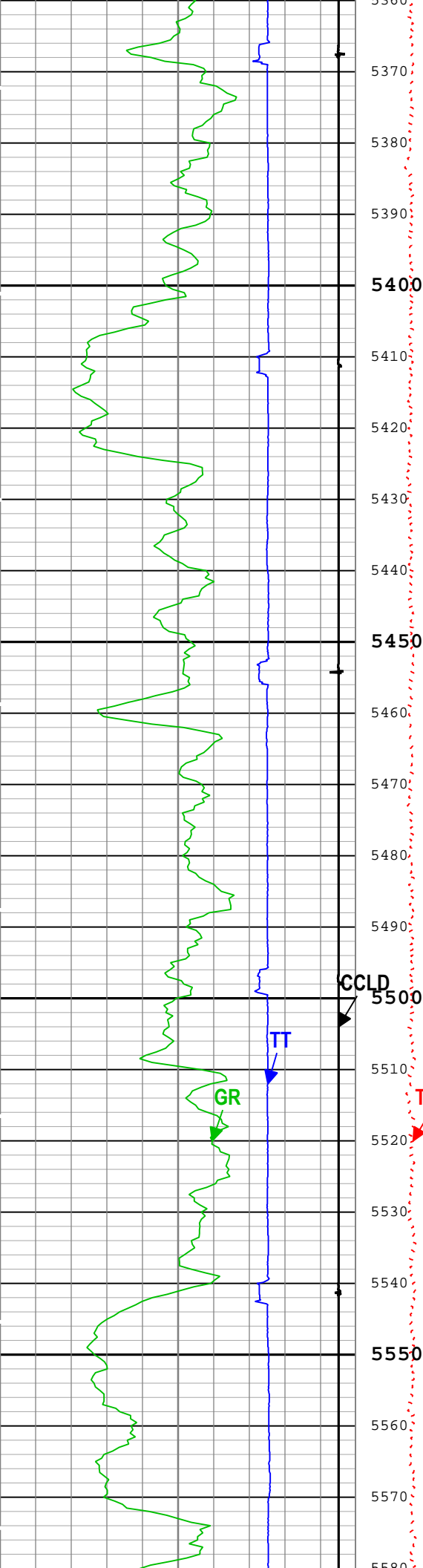




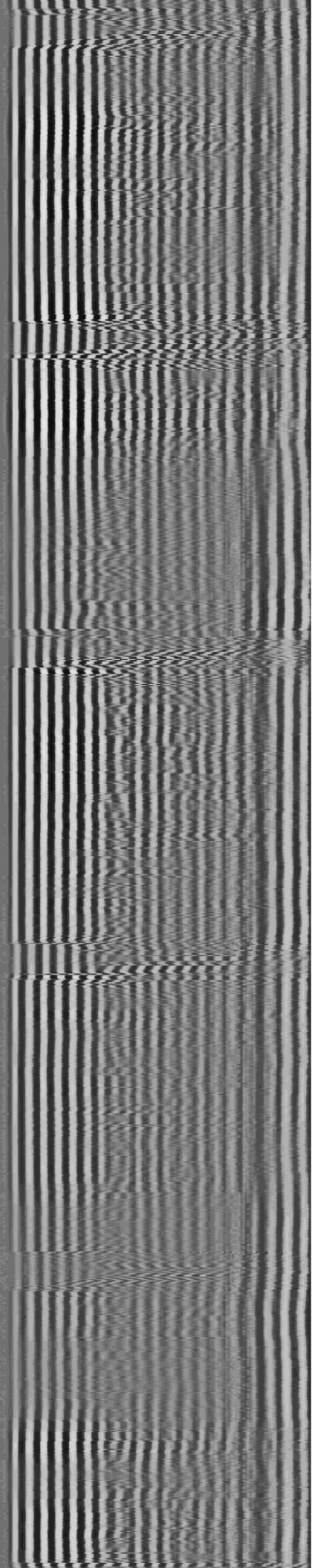
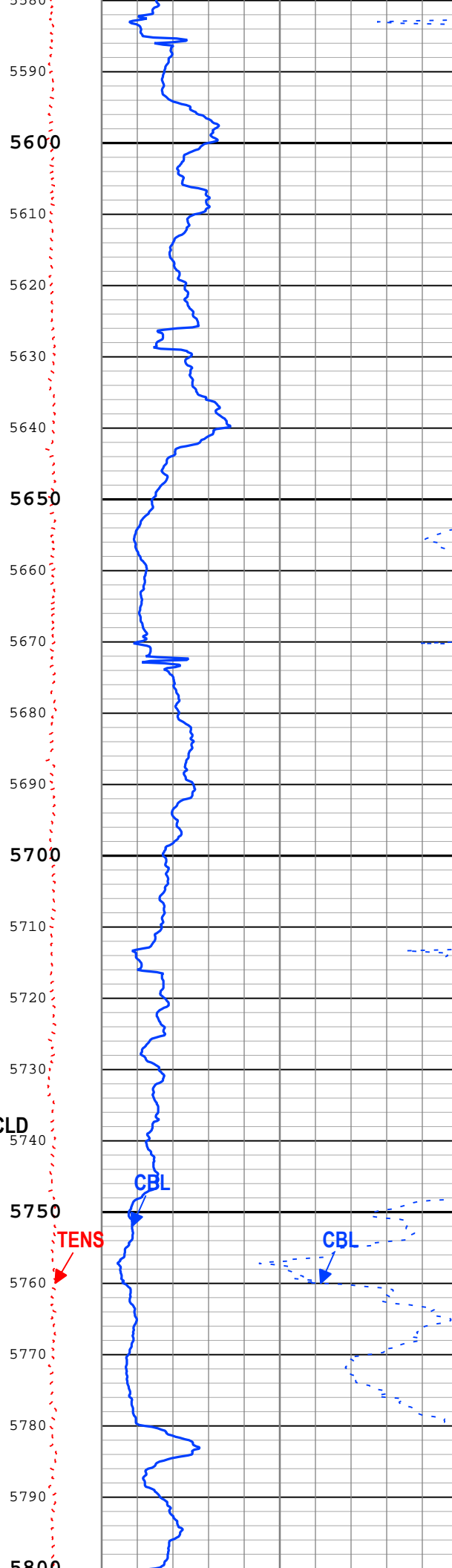
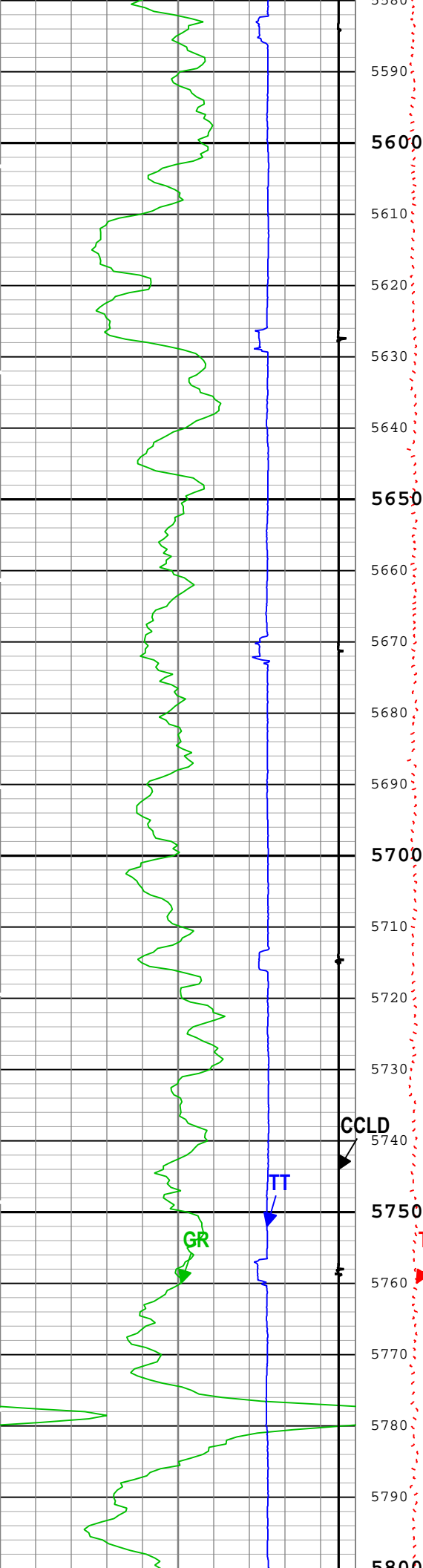


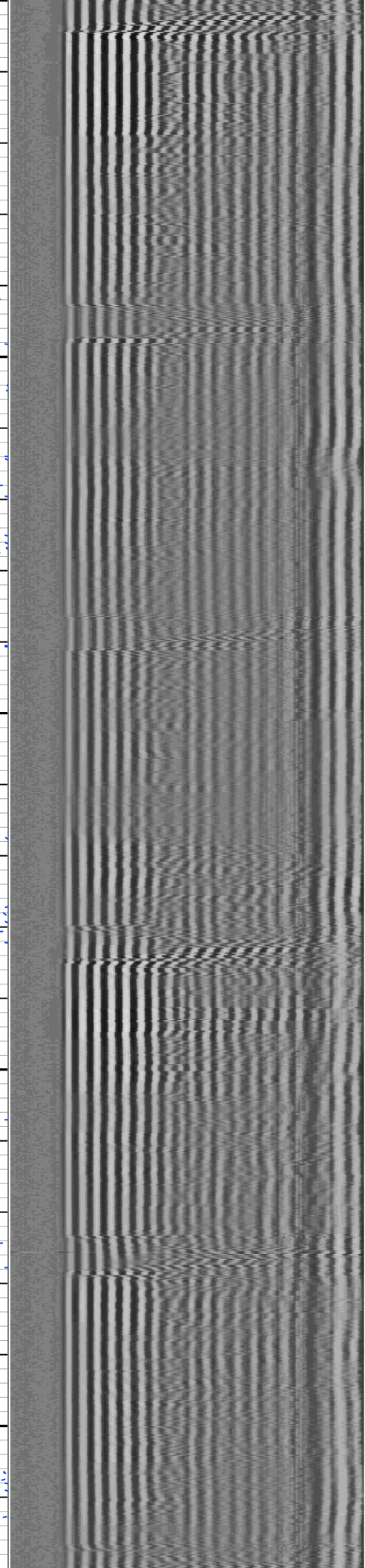
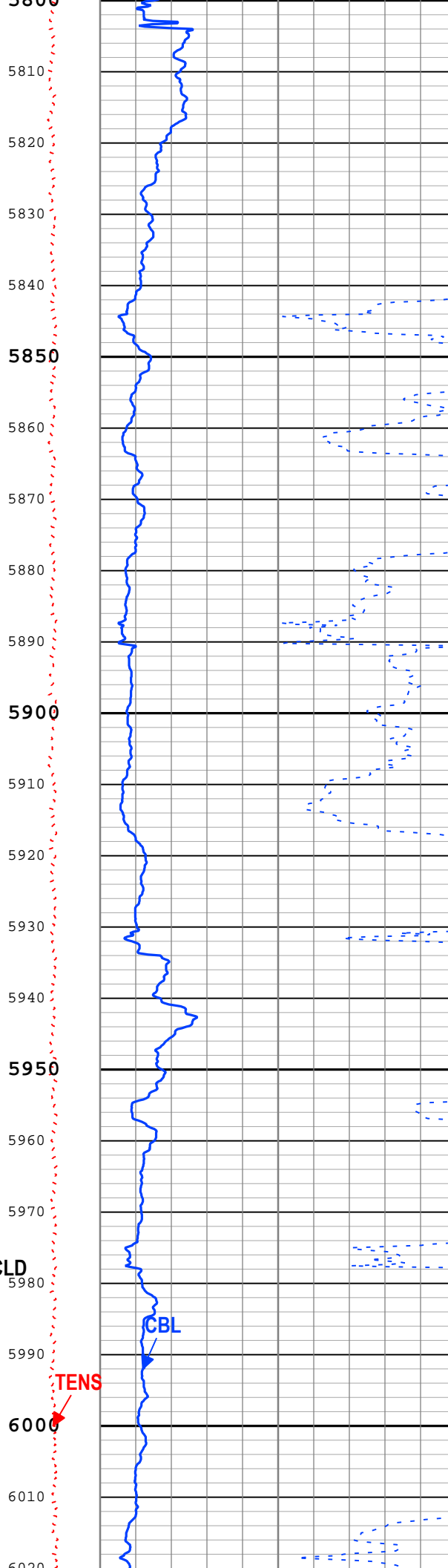
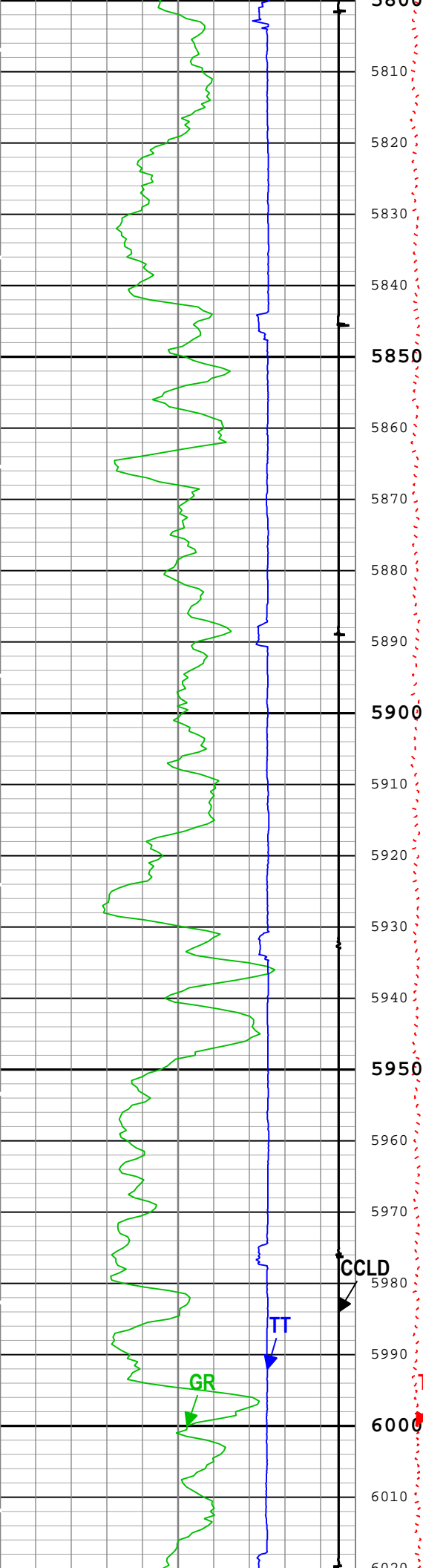


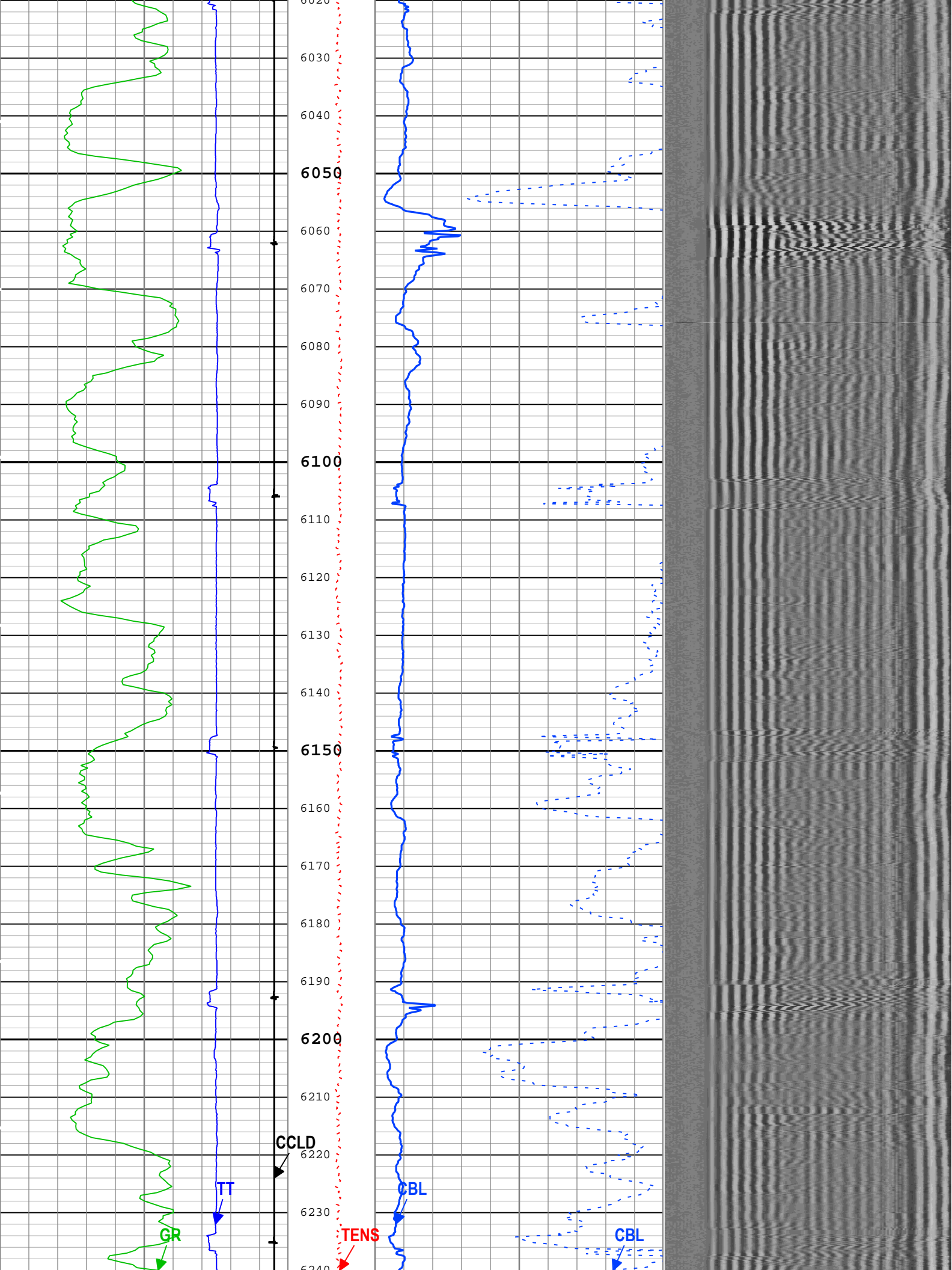




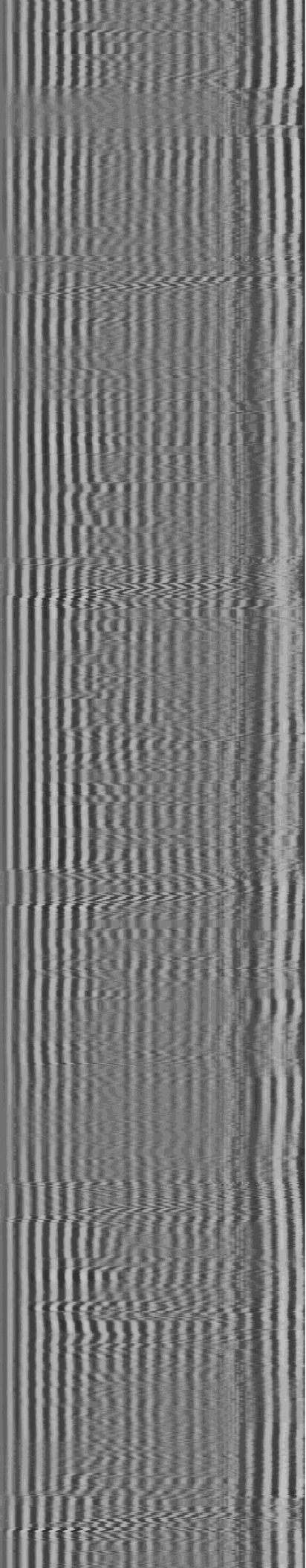
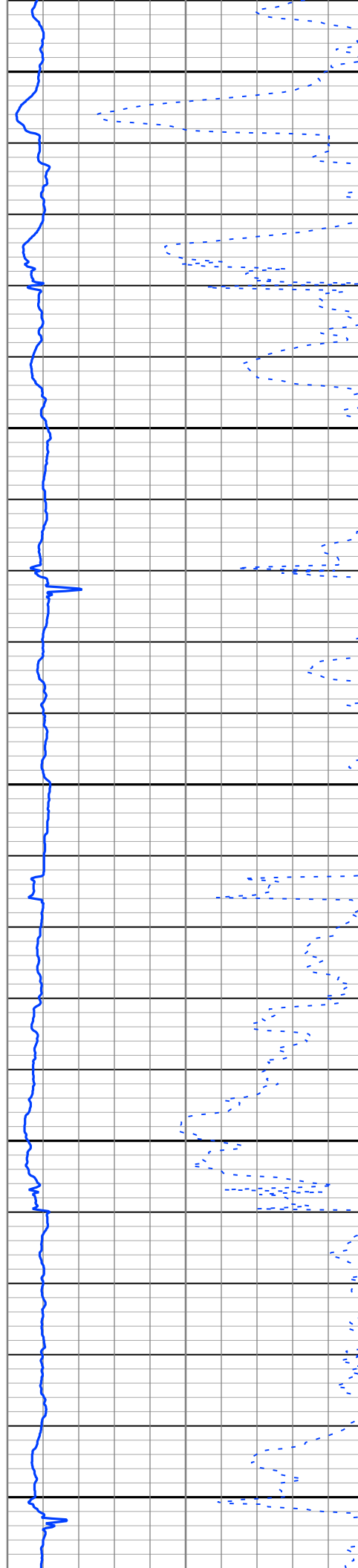
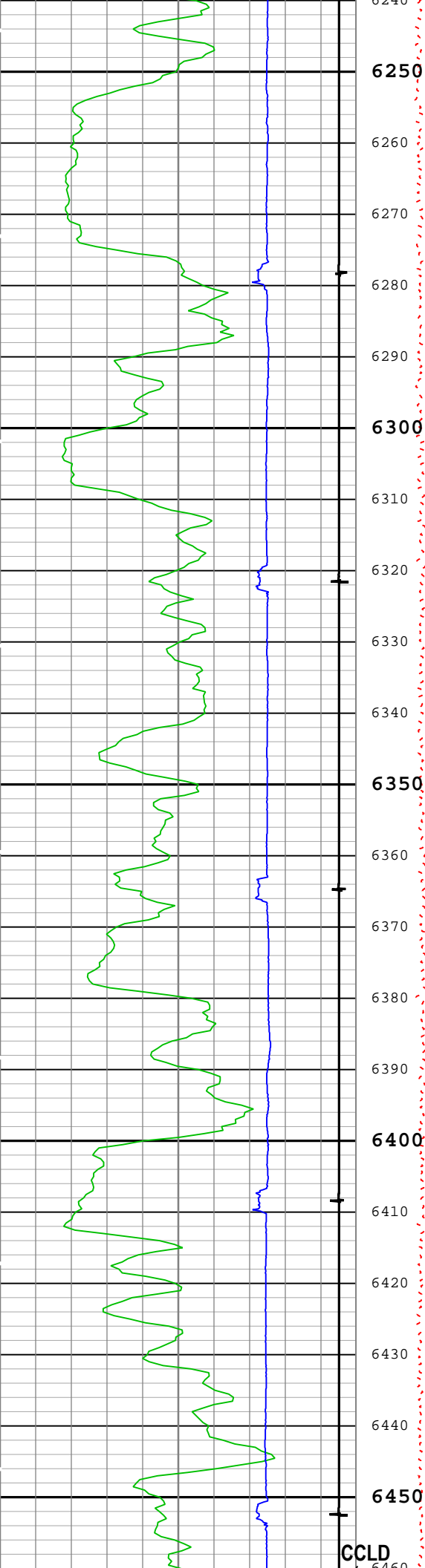


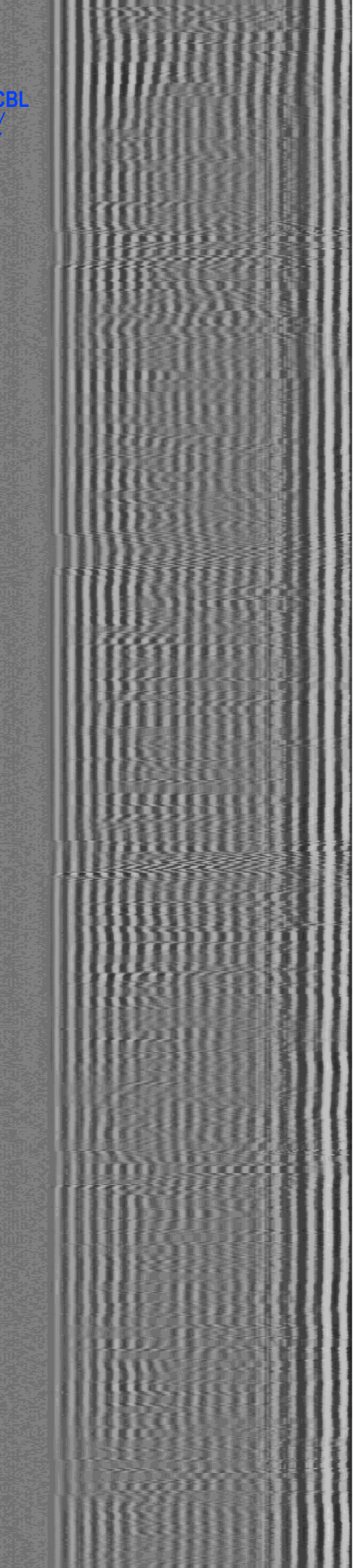
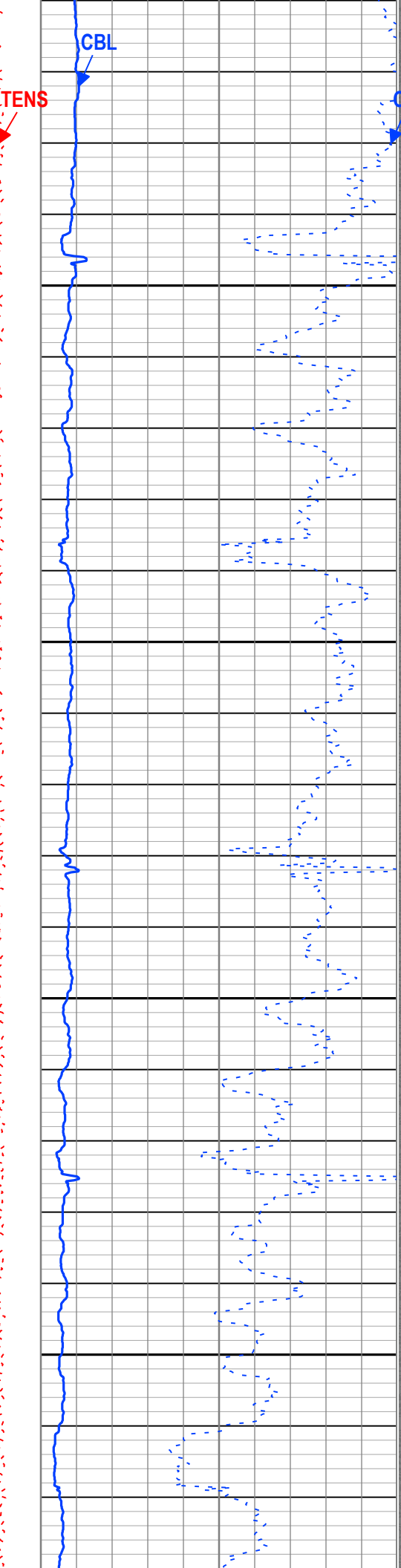
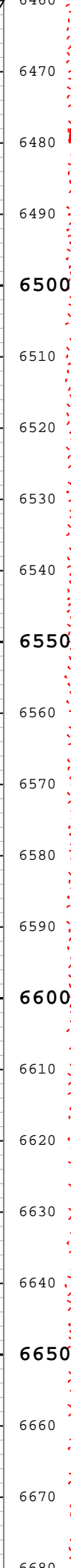
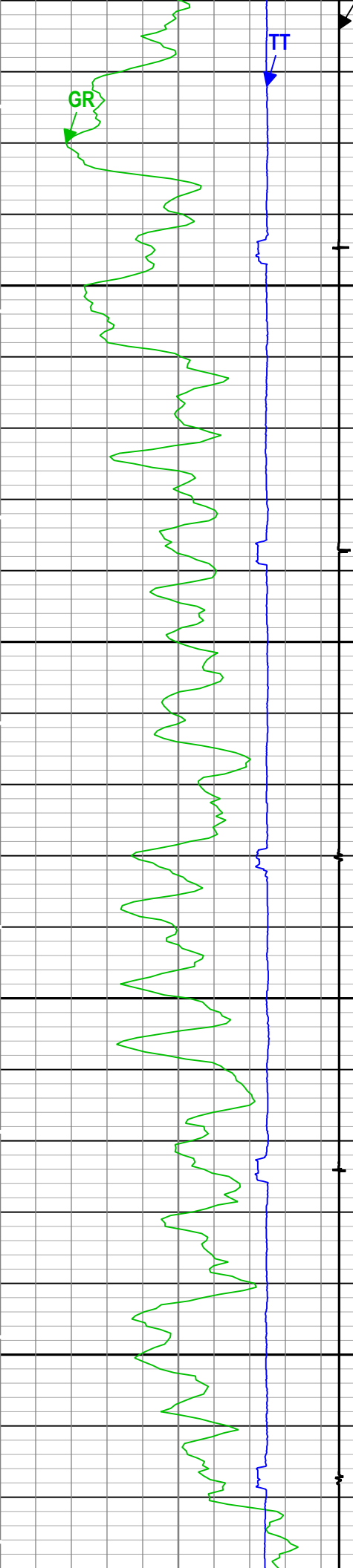


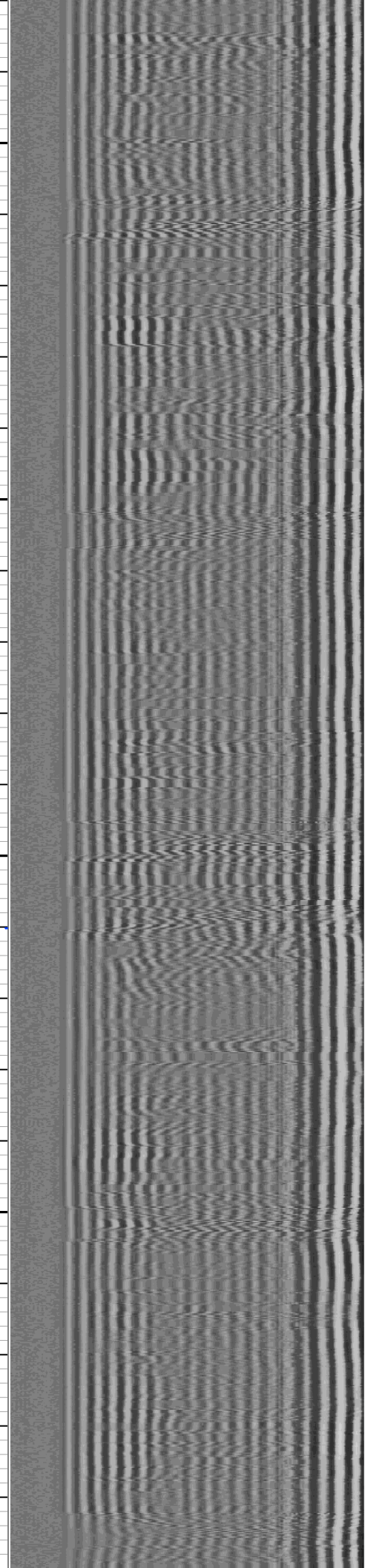
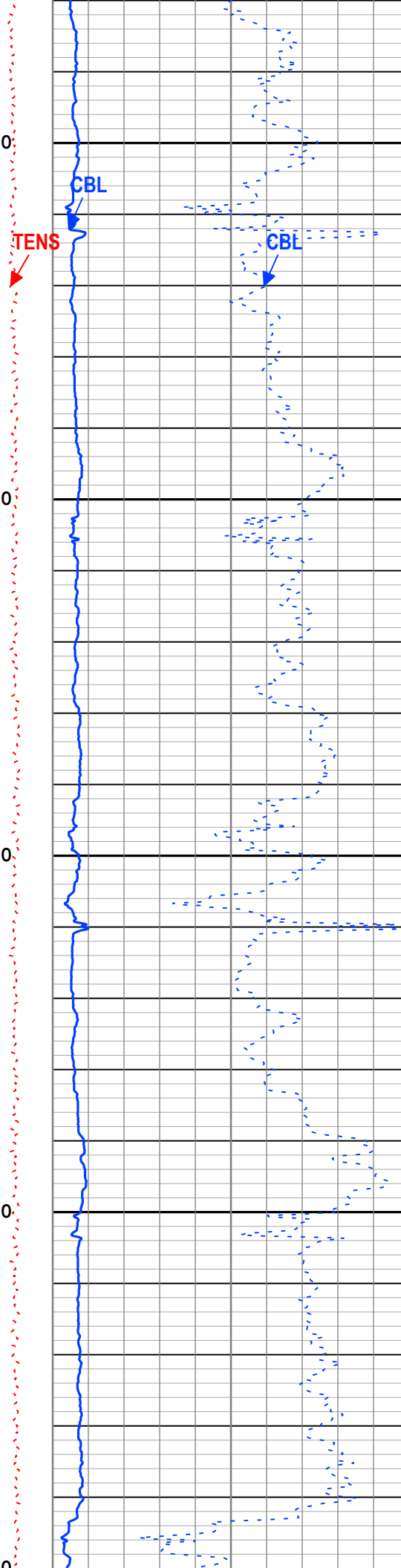
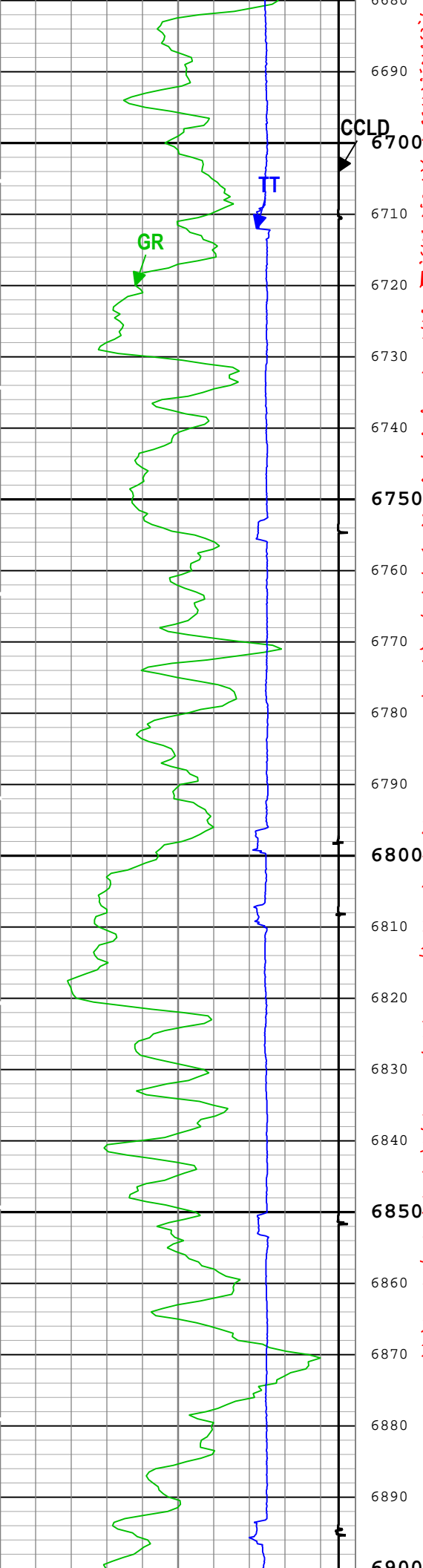




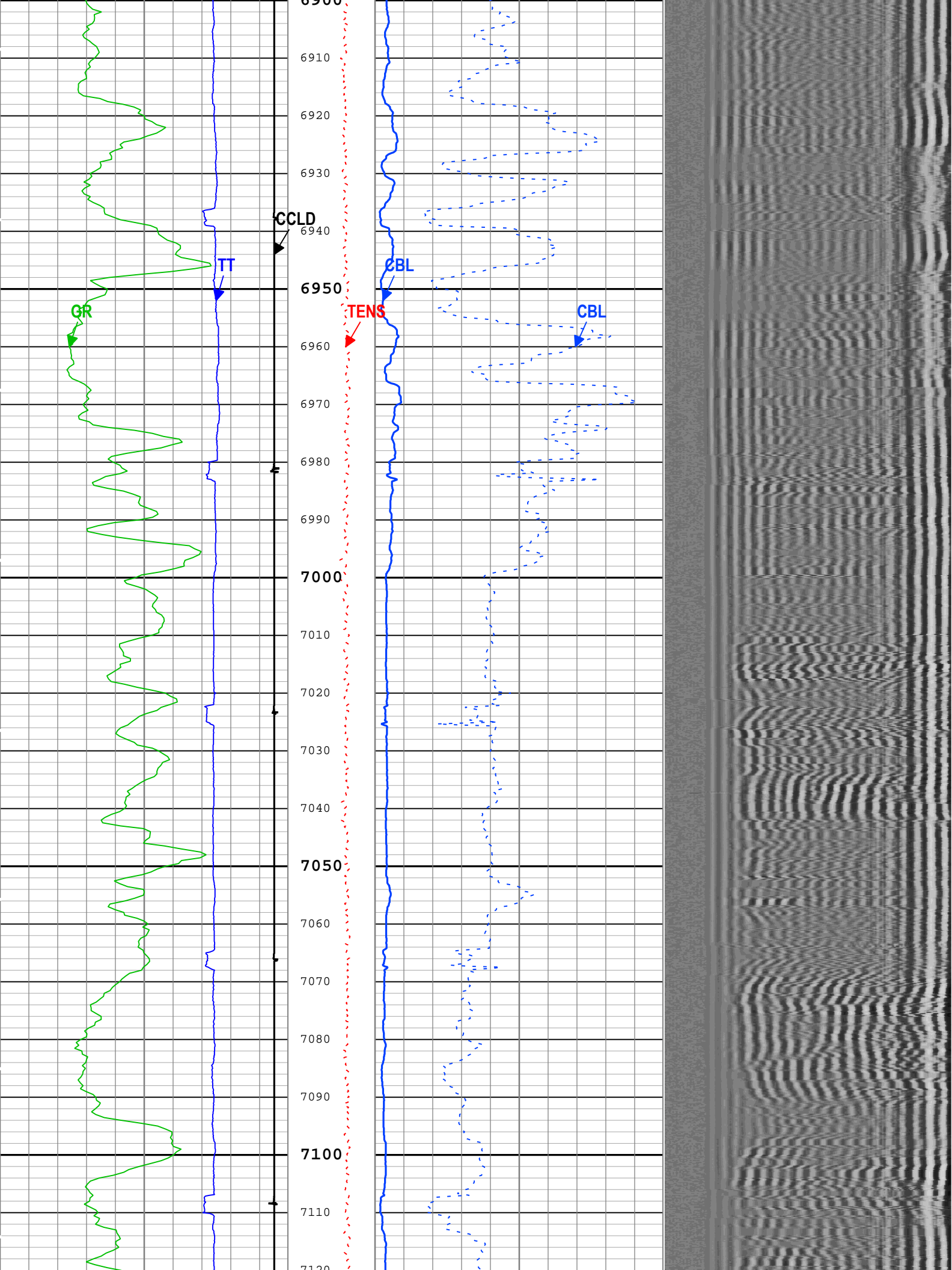


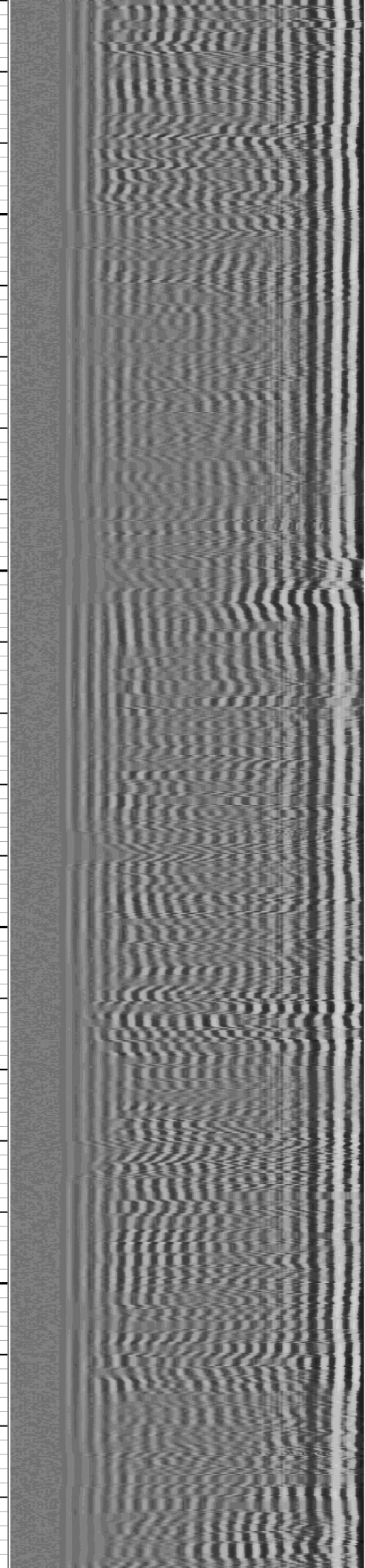
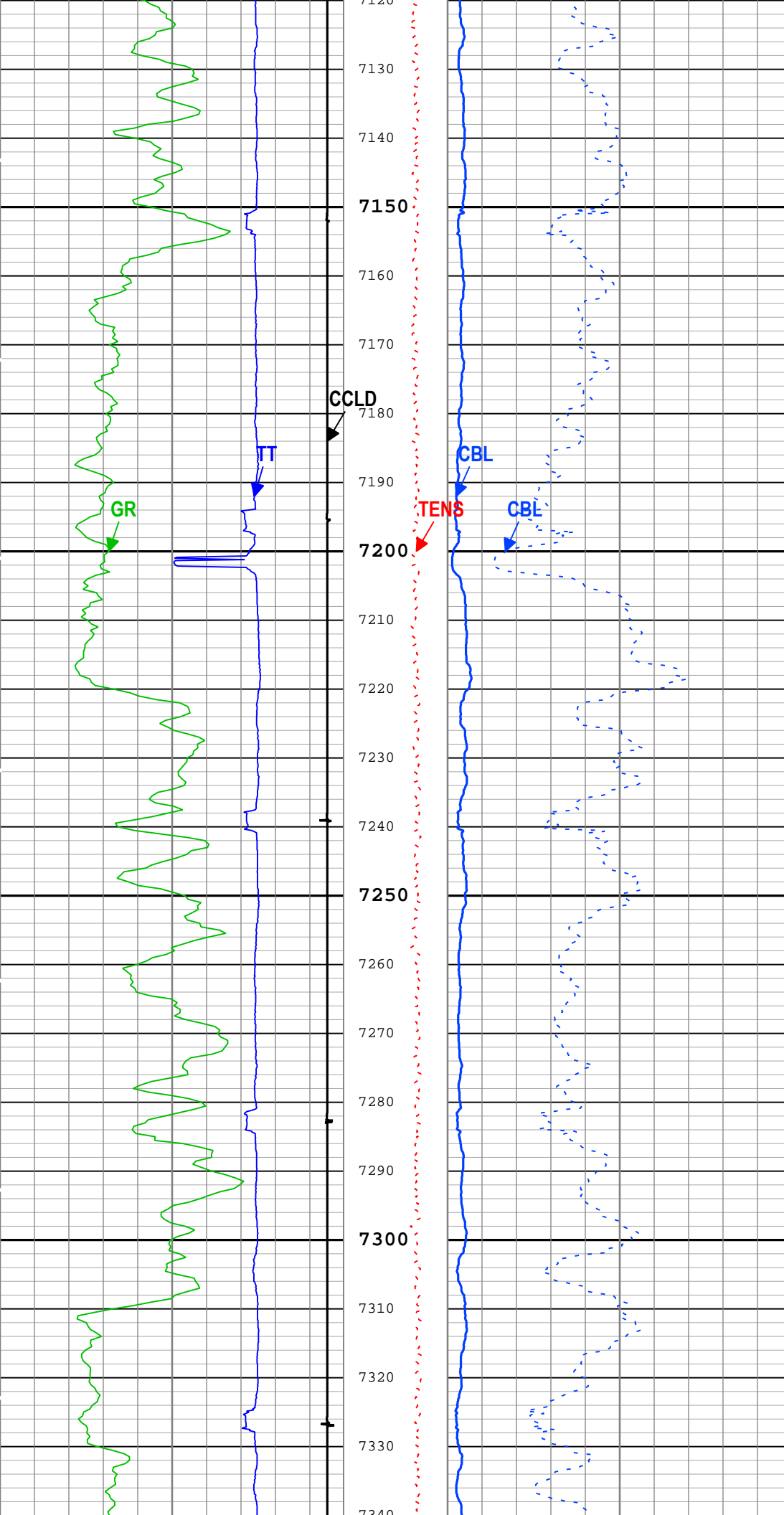


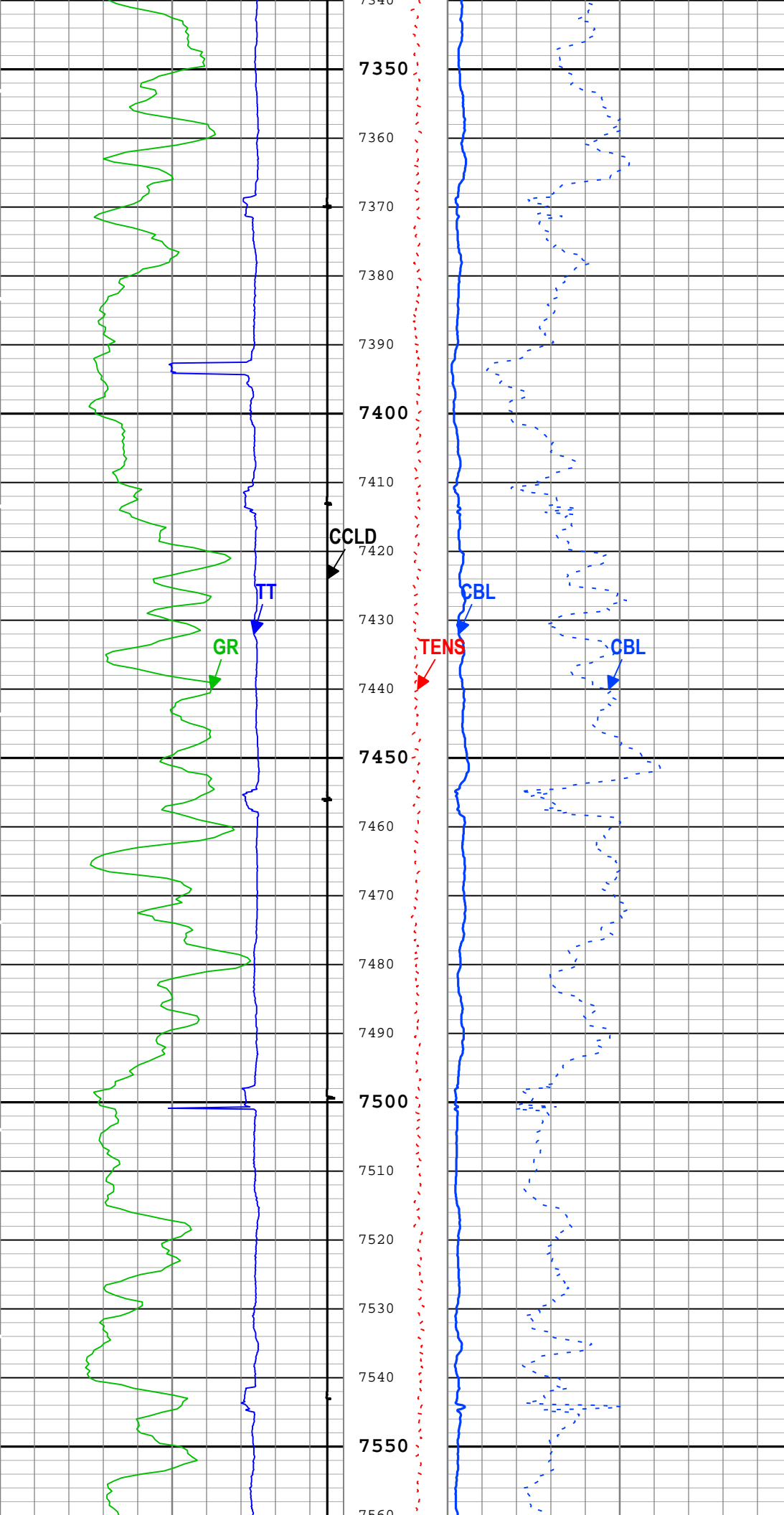




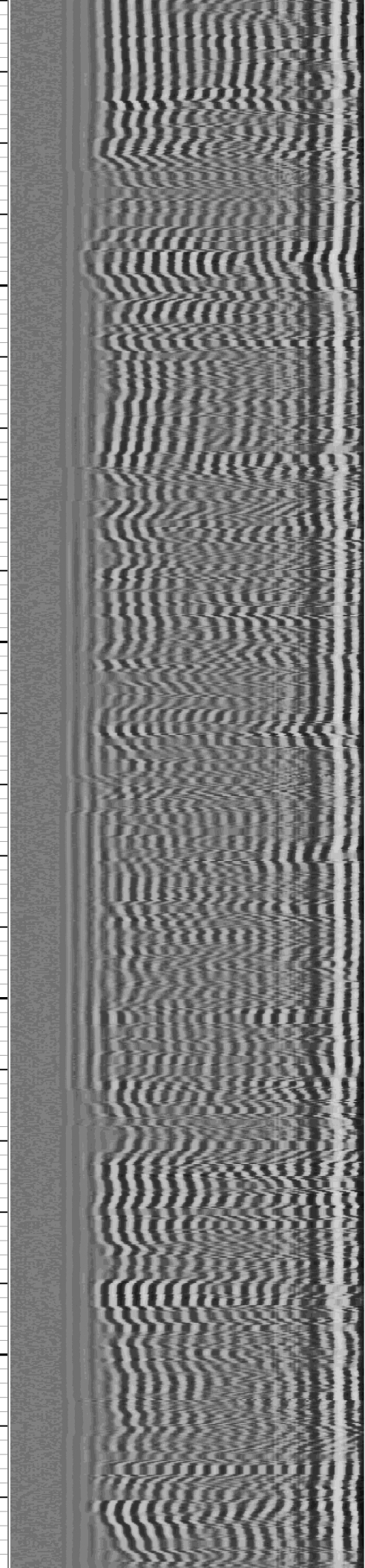
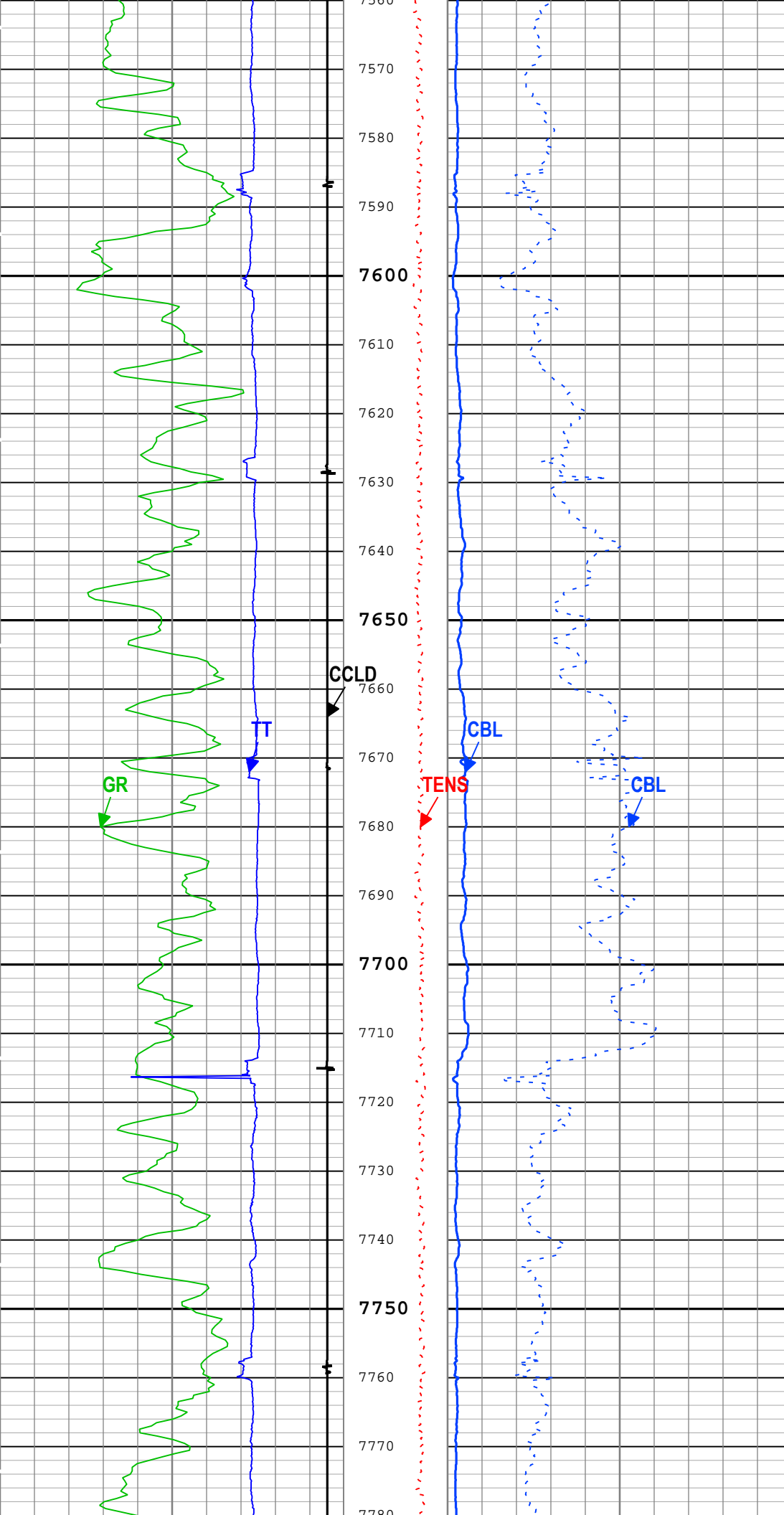


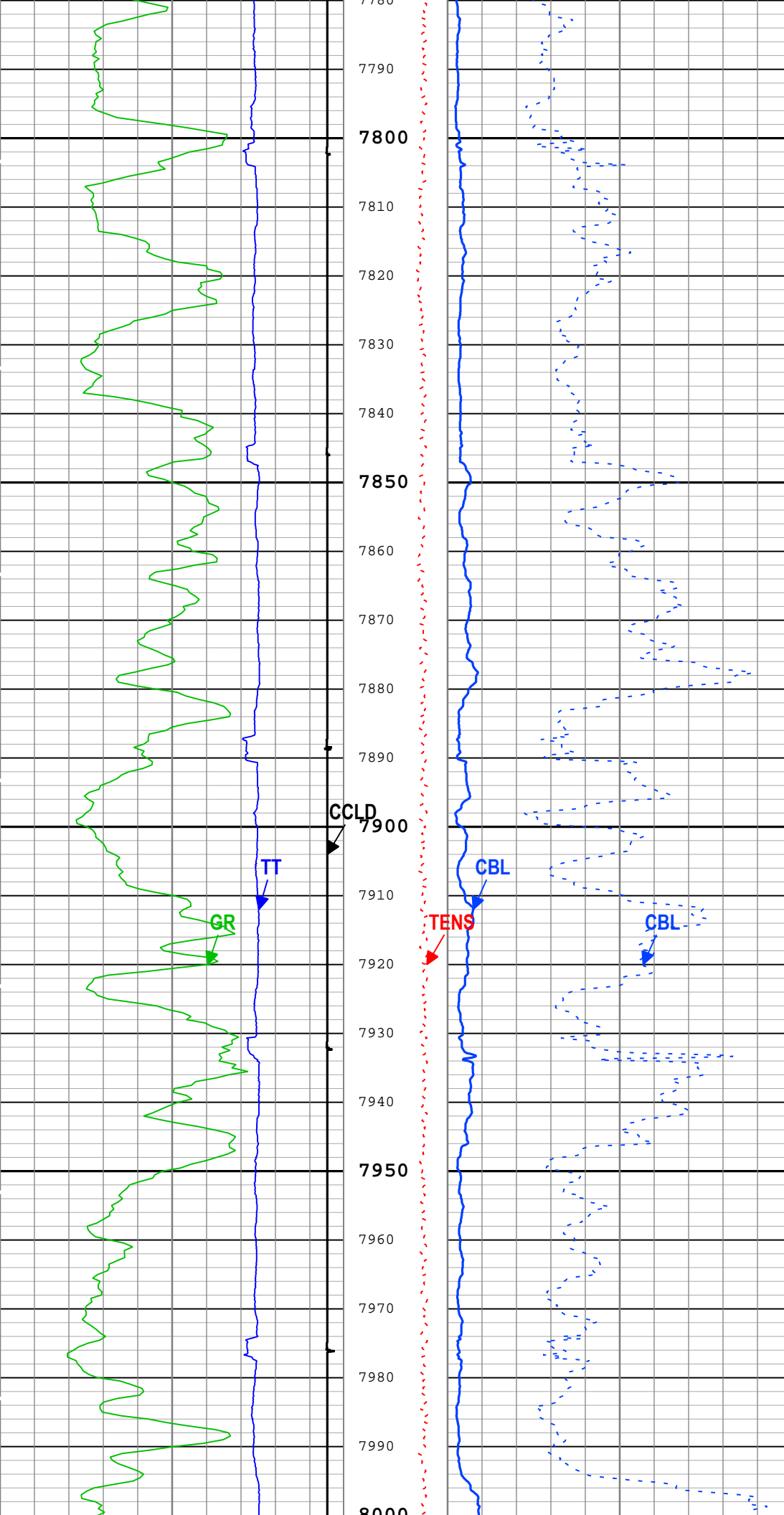


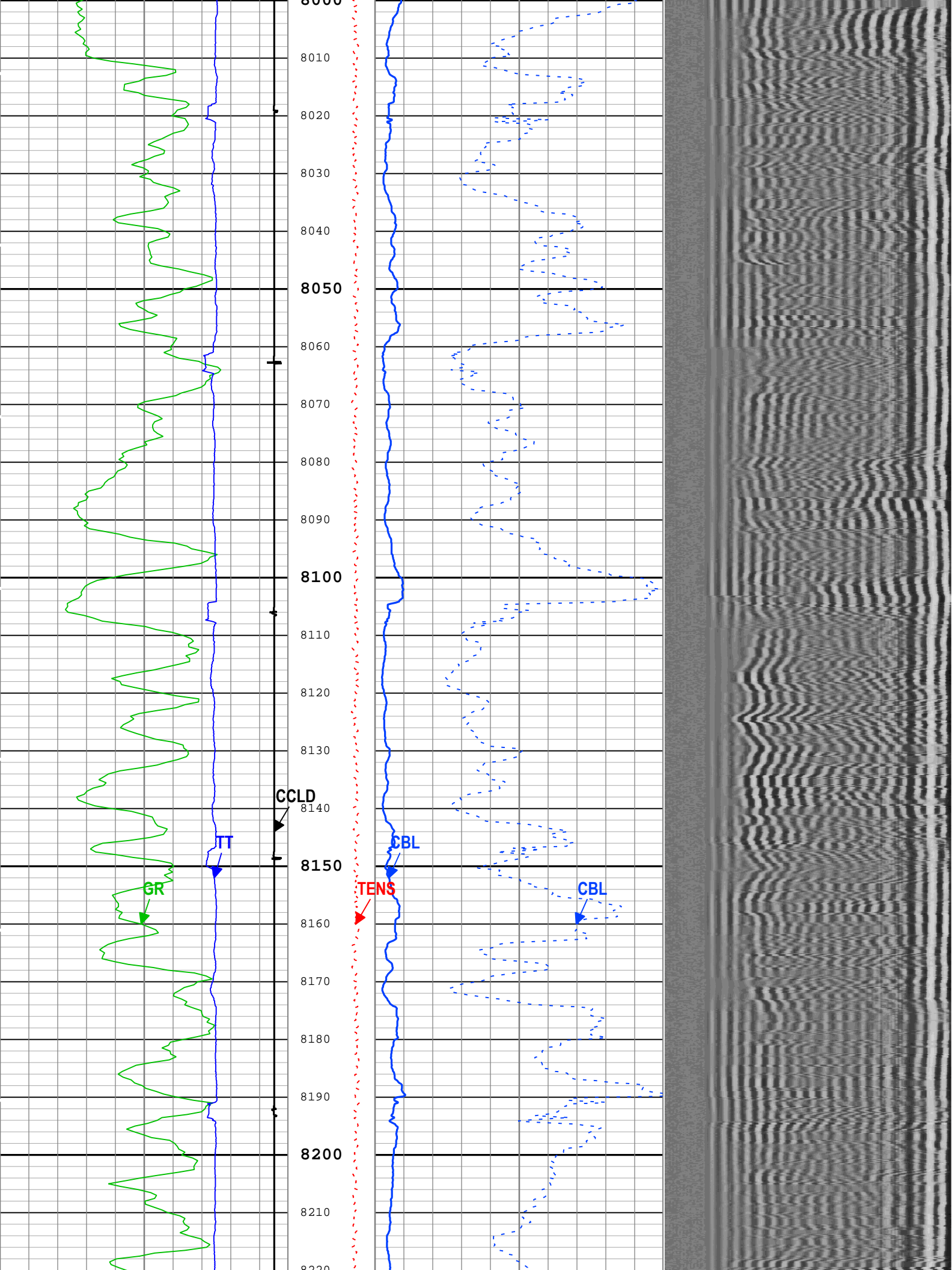




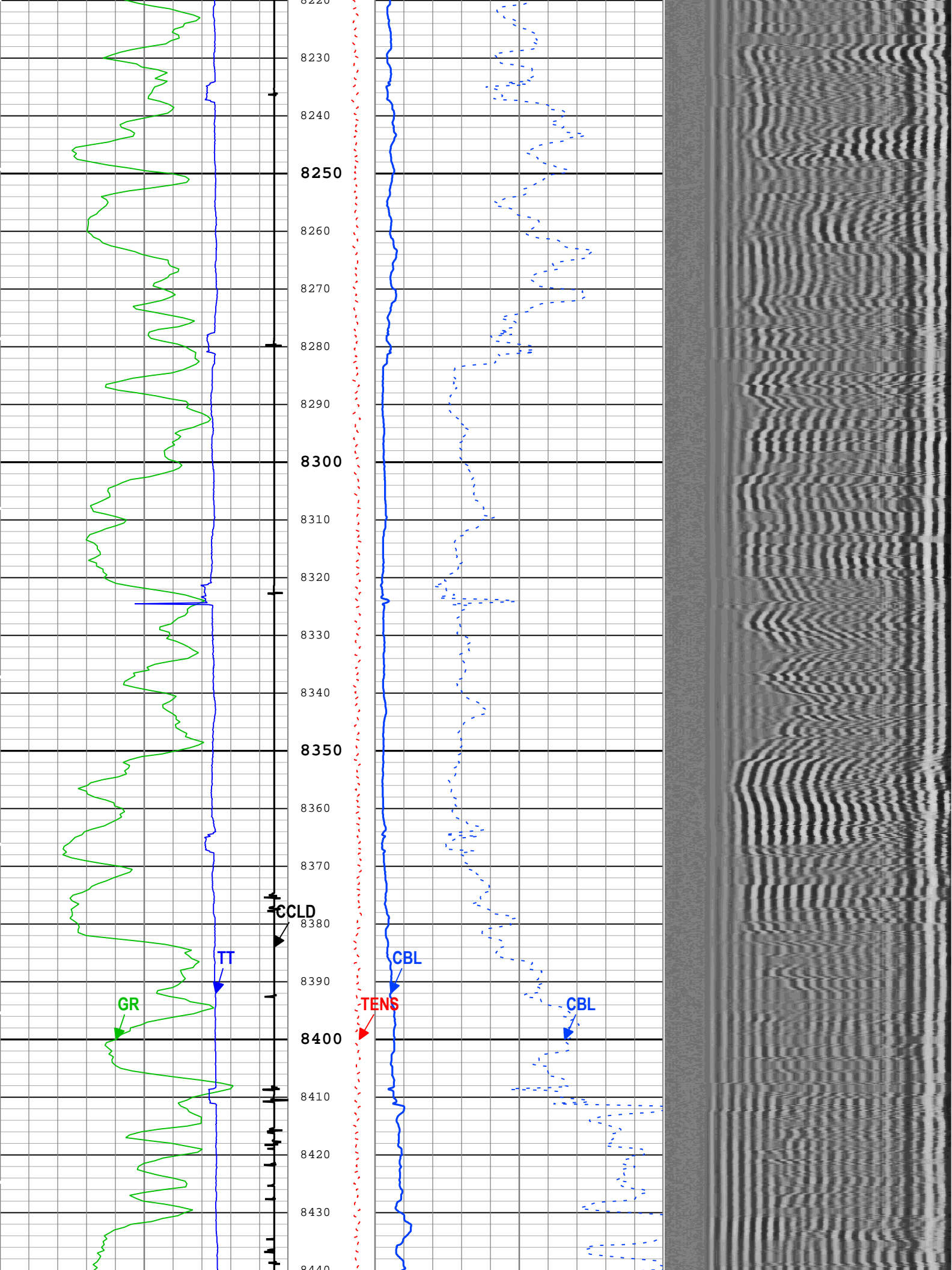


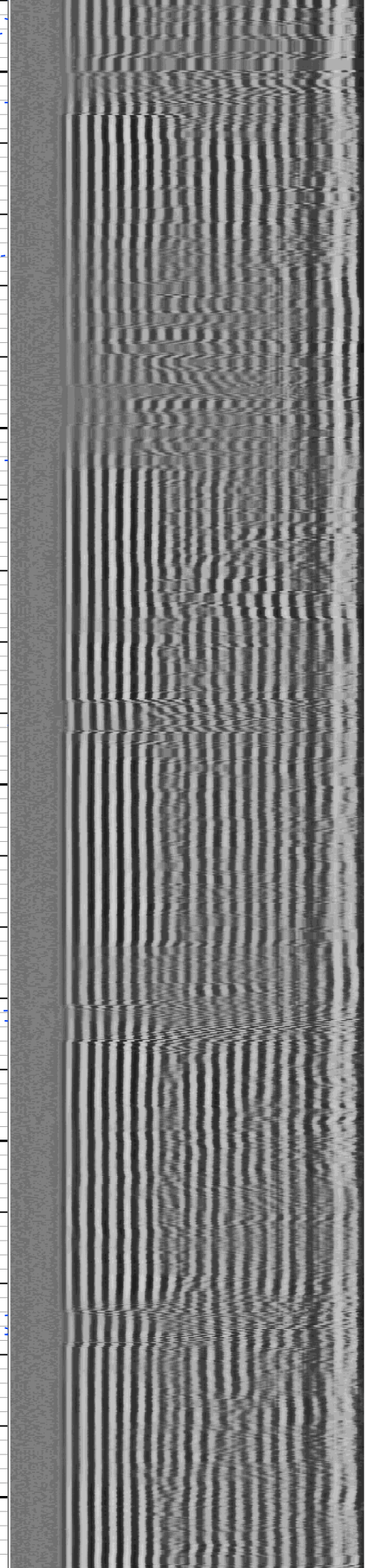
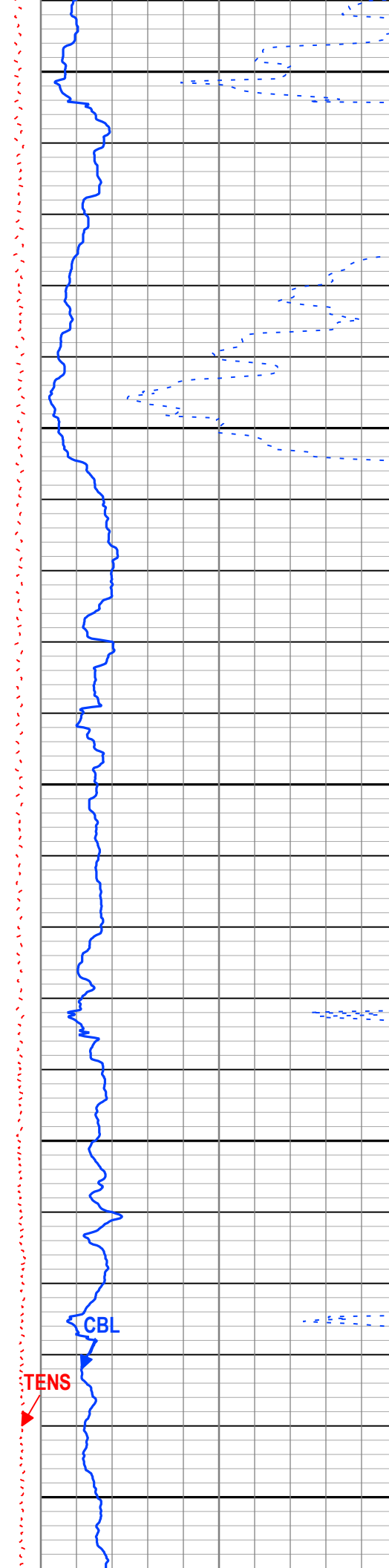
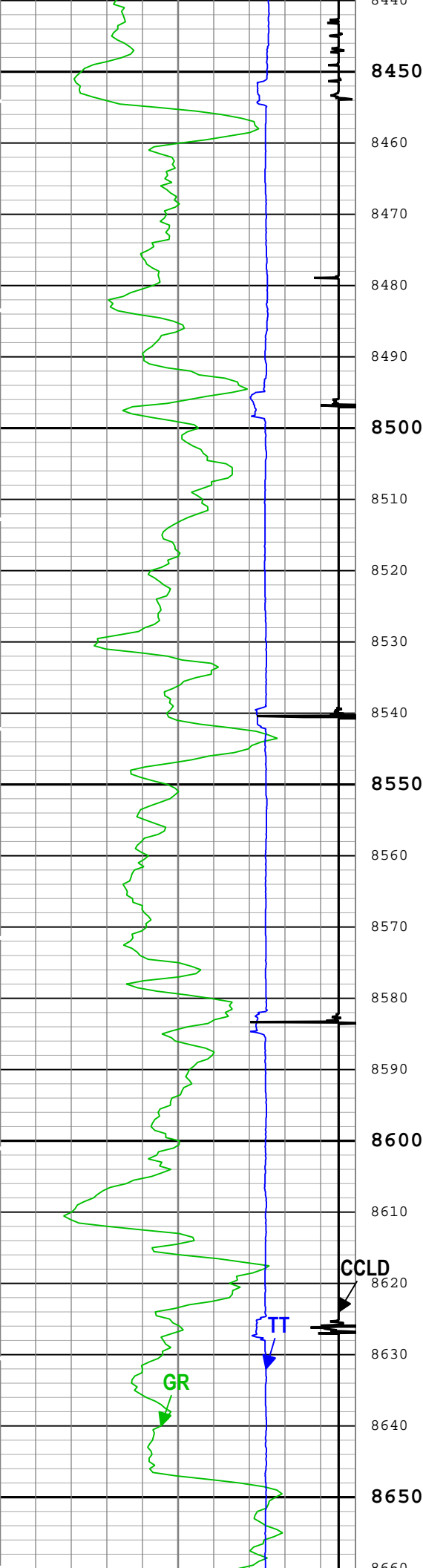


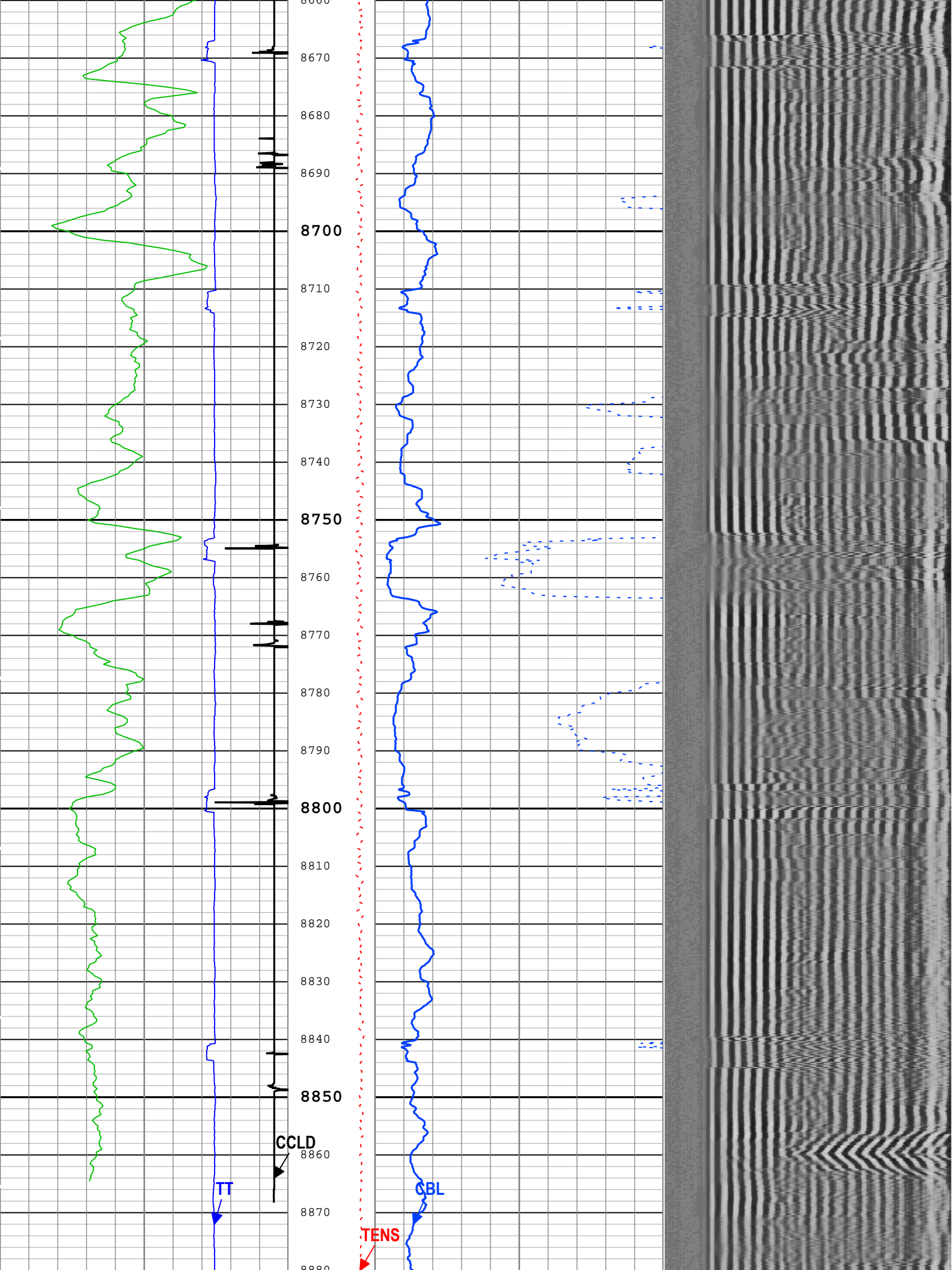


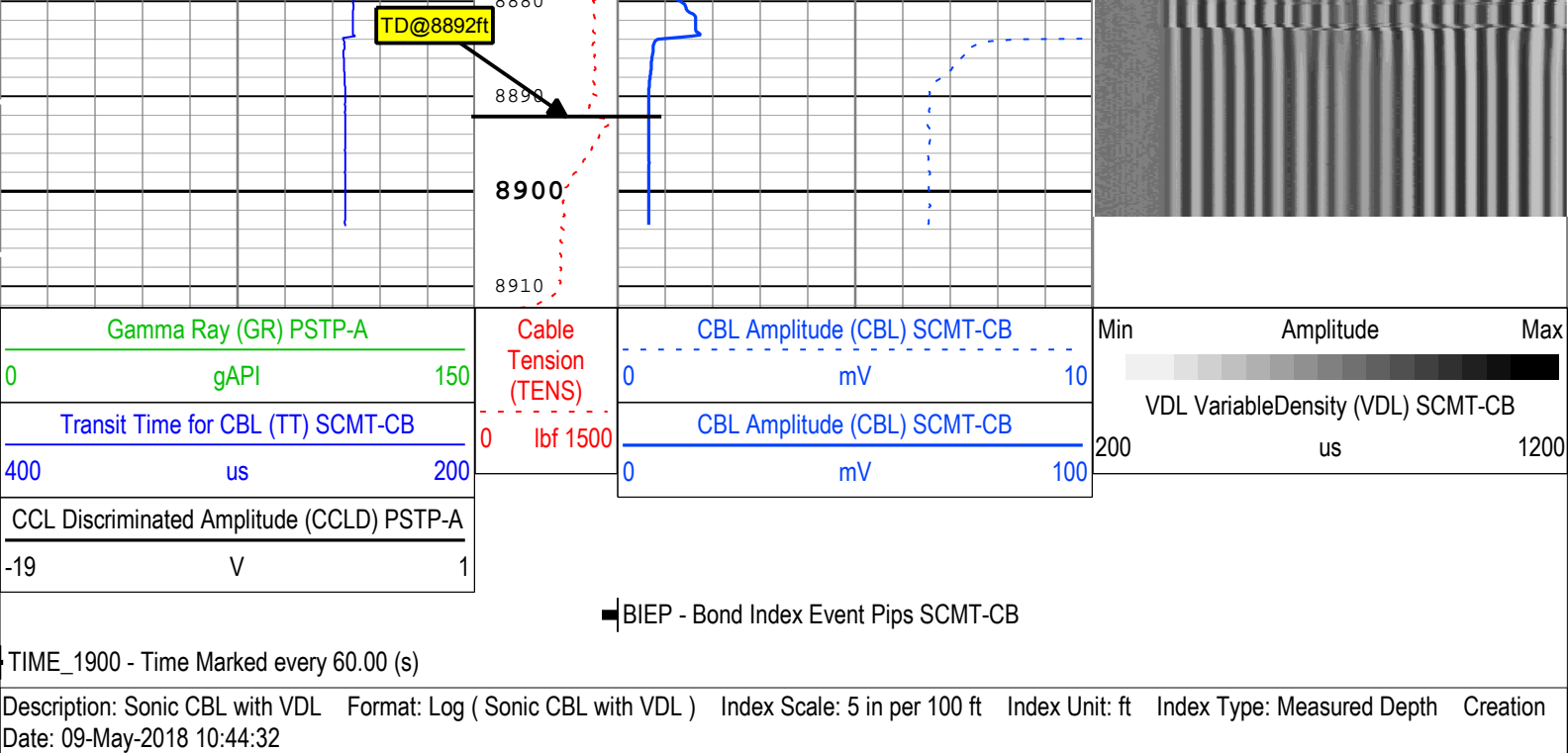












Channel Processing Parameters

One: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	224	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	80	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DFD	Drilling Fluid Density	Borehole	8.49	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
EDF	Elevation of Derrick Floor Above Permanent Datum	WLSESSION	30	ft
EPD	Elevation of Permanent Datum (PDAT) above Mean Sea Level	WLSESSION	8322	ft
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-CB	1.4	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST(RT)	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-CB	16.92	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-CB	Depth Zoned	ft
MSA	Minimum Sonic Amplitude	SCMT-CB	0.51	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	0.51	mV
PDAT	Permanent Datum	WLSESSION	GL	
RUN_SNUM	Run Sequence Number	WSDRUN	3	
SHT	Surface Hole Temperature	Borehole	68	degF

Depth Zone Parameters

Parameter	Value	Start ( ft )	Stop ( ft )
MCI	14.81	2300	2522
MCI	1.25	2522	8912.25

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	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	Time Zoned	

All depth are at tool zero.

# One

CBL-VDL Repeat Pass
---------------------

Software Version	
------------------	--

Pass Summary	
--------------	--

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
----------	----------------	-----------	-----	--------	-------	------	----------	-------------	-----------------------

All depths are referenced to toolstring zero

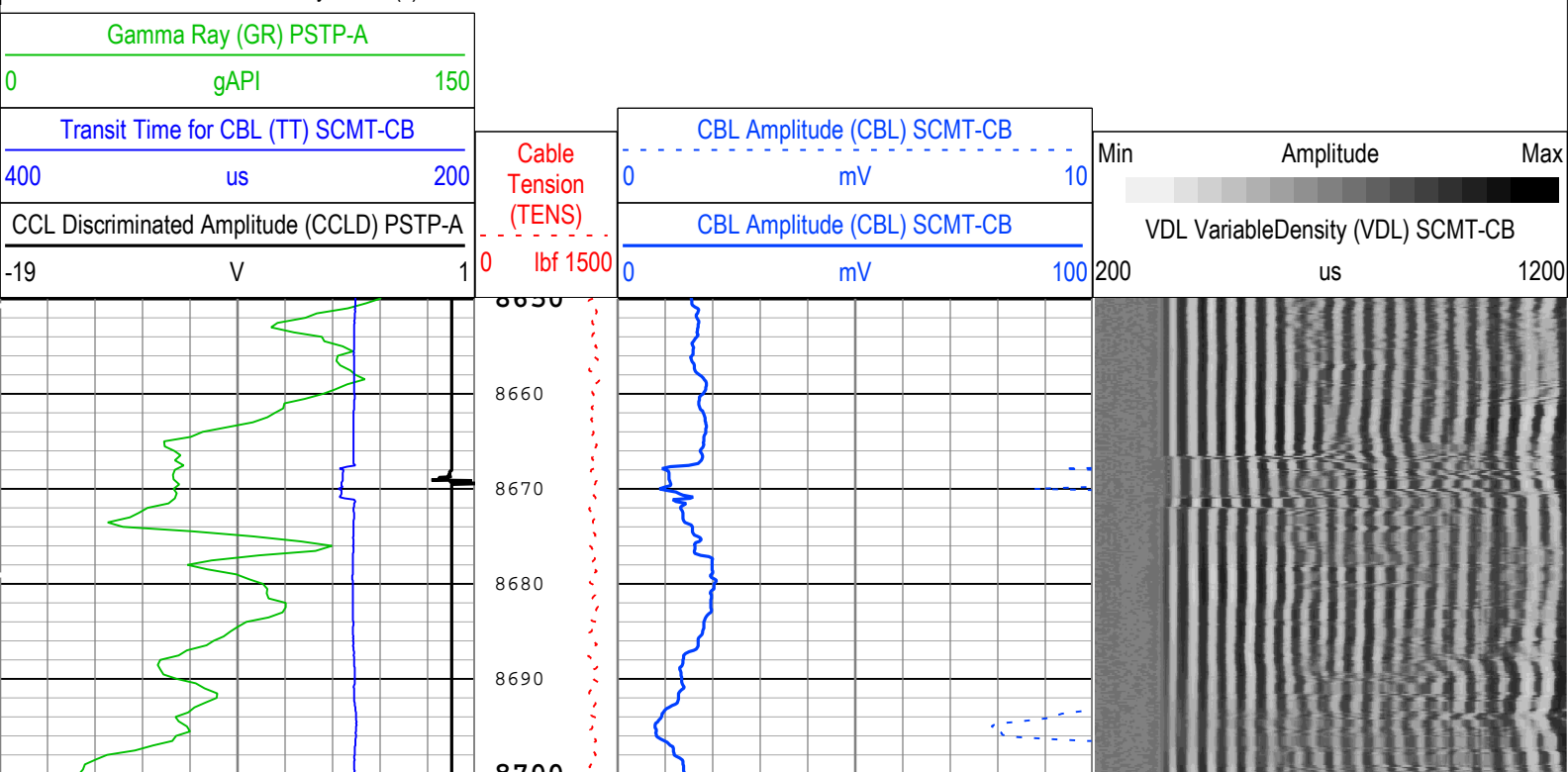
Log	Company:Caerus Operating LLC	Well:Puckett 11D-26-697
		One: Log[5]:Up:S009

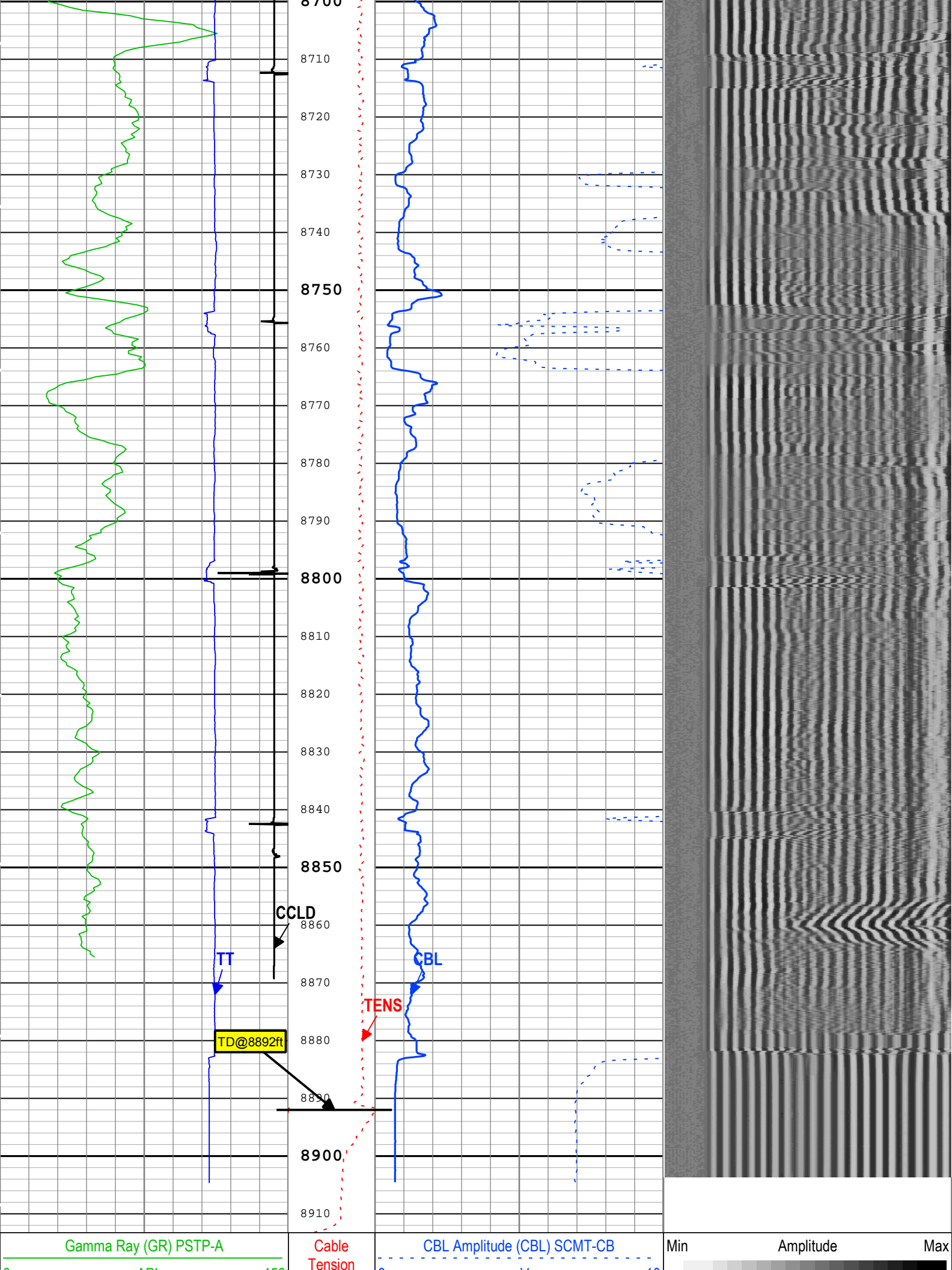
One: Log[5]:Up:S009

■ BIEP - Bond Index Event Pips SCMT-CB

TIME\_1900 - Time Marked every 60.00 (s)

Gamma Ray (GR) PSTP-A	
-----------------------	--





gAPI			(TENS)			mV			VDL VariableDensity (VDL) SCMT-CB		
Transit Time for CBL (TT) SCMT-CB			CBL Amplitude (CBL) SCMT-CB								
400	us	200	0	lb	1500	0	mV	100	200	us	1200
CCL Discriminated Amplitude (CCLD) PSTP-A											
-19	V	1									
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: 09-May-2018 10:44:43											

Channel Processing Parameters

One: Parameters				
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	224	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	80	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DFD	Drilling Fluid Density	Borehole	8.49	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
EDF	Elevation of Derrick Floor Above Permanent Datum	WLSESSION	30	ft
EPD	Elevation of Permanent Datum (PDAT) above Mean Sea Level	WLSESSION	8322	ft
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-CB	1.4	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST(RT)	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-CB	16.92	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-CB	1.25	ft
MSA	Minimum Sonic Amplitude	SCMT-CB	0.51	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	0.51	mV
PDAT	Permanent Datum	WLSESSION	GL	
RUN_SNUM	Run Sequence Number	WSDRUN	3	
SHT	Surface Hole Temperature	Borehole	68	degF

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	150	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 )
PCCG	12 dB	08-May-2018 09:59:48	08-May-2018 10:02:27	8913.28	8865.71
PCCG	24 dB	08-May-2018 10:02:27	08-May-2018 10:10:57	8865.71	8640.37

All depth are at tool zero.

One

Free Pipe Pass

Casing Velocity

Acquisition System	Version
Maxwell 2018	8.0.95333.3100
Application Patch	Wireline_NPD-PNX-2018CMZ_8.0.97346

## Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[3]:Up	Up	601.54 ft	742.67 ft	08-May-2018 09:24:00	08-May-2018 09:29:34	ON	2.60 ft	No

All depths are referenced to toolstring zero

## Log

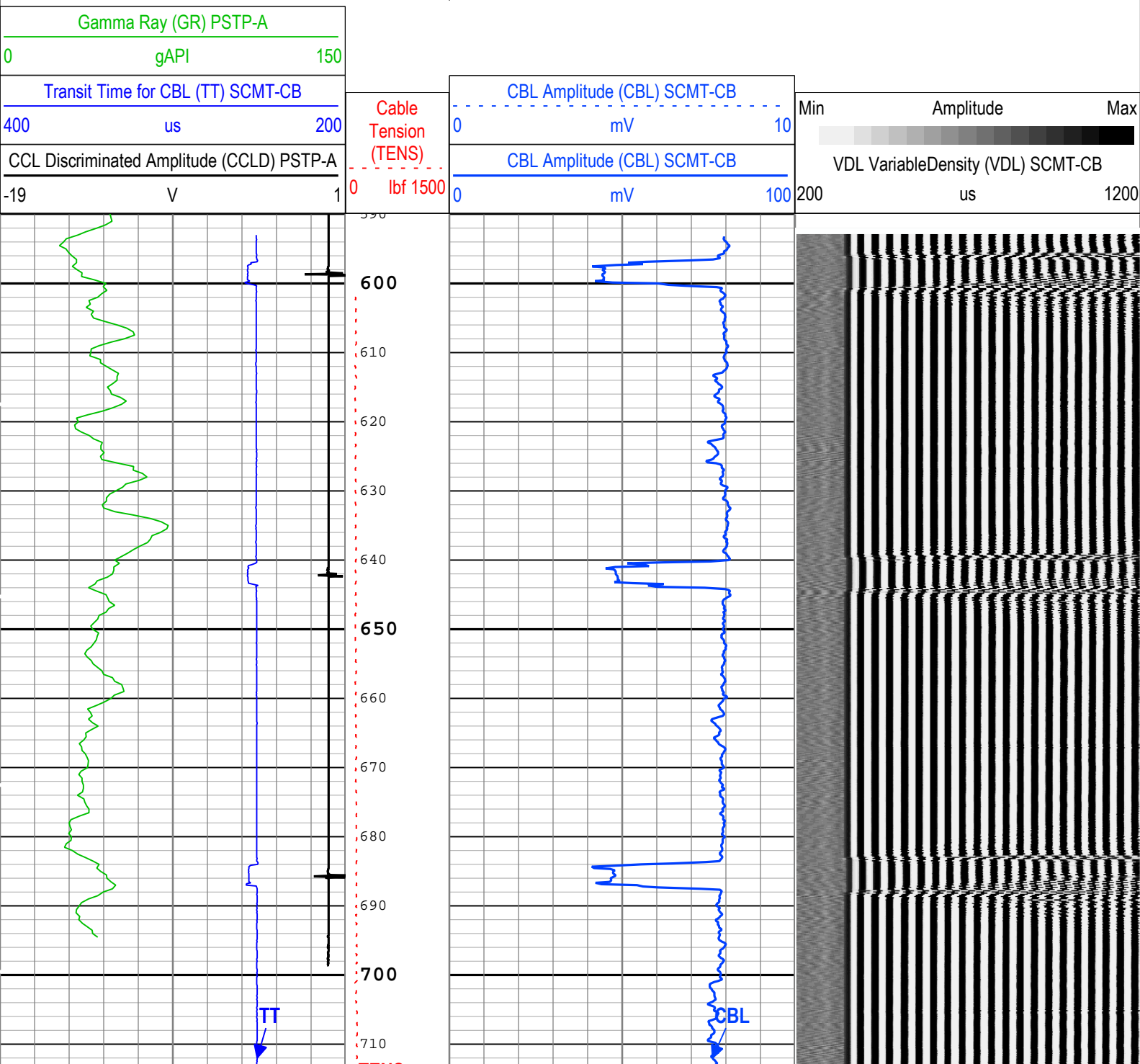
Company:Caerus Operating LLC Well:Puckett 11D-26-697

One: Log[3]:Up:S009

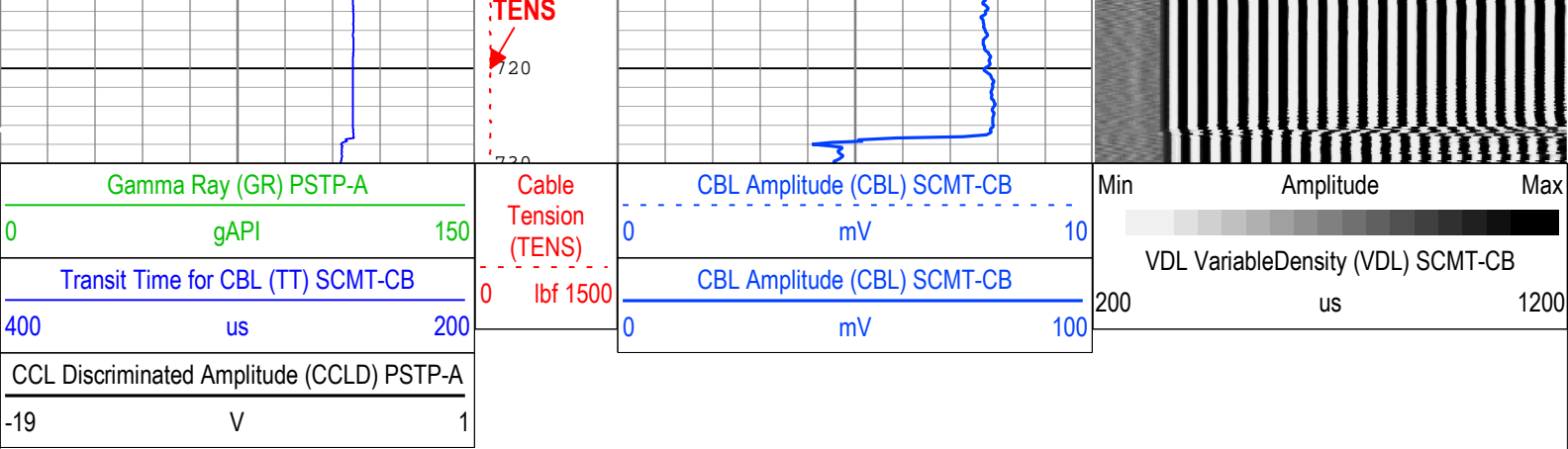
Description: Sonic CBL with VDL Format: Log ( Sonic CBL with VDL ) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 09-May-2018 10:44:46

TIME\_1900 - Time Marked every 60.00 (s)

■ BIEP - Bond Index Event Pips SCMT-CB







■ BIEP - Bond Index Event Pips SCMT-CB

TIME\_1900 - Time Marked every 60.00 (s)

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: 09-May-2018 10:44:46

## Channel Processing Parameters

### One: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	224	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	80	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DFD	Drilling Fluid Density	Borehole	8.49	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
EDF	Elevation of Derrick Floor Above Permanent Datum	WLSESSION	30	ft
EPD	Elevation of Permanent Datum (PDAT) above Mean Sea Level	WLSESSION	8322	ft
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-CB	1.4	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST(RT)	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-CB	16.92	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-CB	14.81	ft
MSA	Minimum Sonic Amplitude	SCMT-CB	0.51	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	0.51	mV
PDAT	Permanent Datum	WLSESSION	GL	
RUN_SNUM	Run Sequence Number	WSDRUN	3	
SHT	Surface Hole Temperature	Borehole	68	degF

## 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	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	

## One

## Main Sigma Pass

## Software Version

Acquisition System	Version
Maxwell 2018	8.0.95333.3100
Application Patch	Wireline_NPD-PNX-2018CMZ_8.0.97346

## Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[6]:Up	Up	2158.69 ft	8912.24 ft	08-May-2018 10:16:57	08-May-2018 14:11:23	ON	0.00 ft	No

All depths are referenced to toolstring zero

## Log

Company:Caerus Operating LLC Well:Puckett 11D-26-697

One: Log[6]:Up:S009

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: 09-May-2018 10:44:48

—IHV - Integrated Hole Volume every 10.00 (ft3)

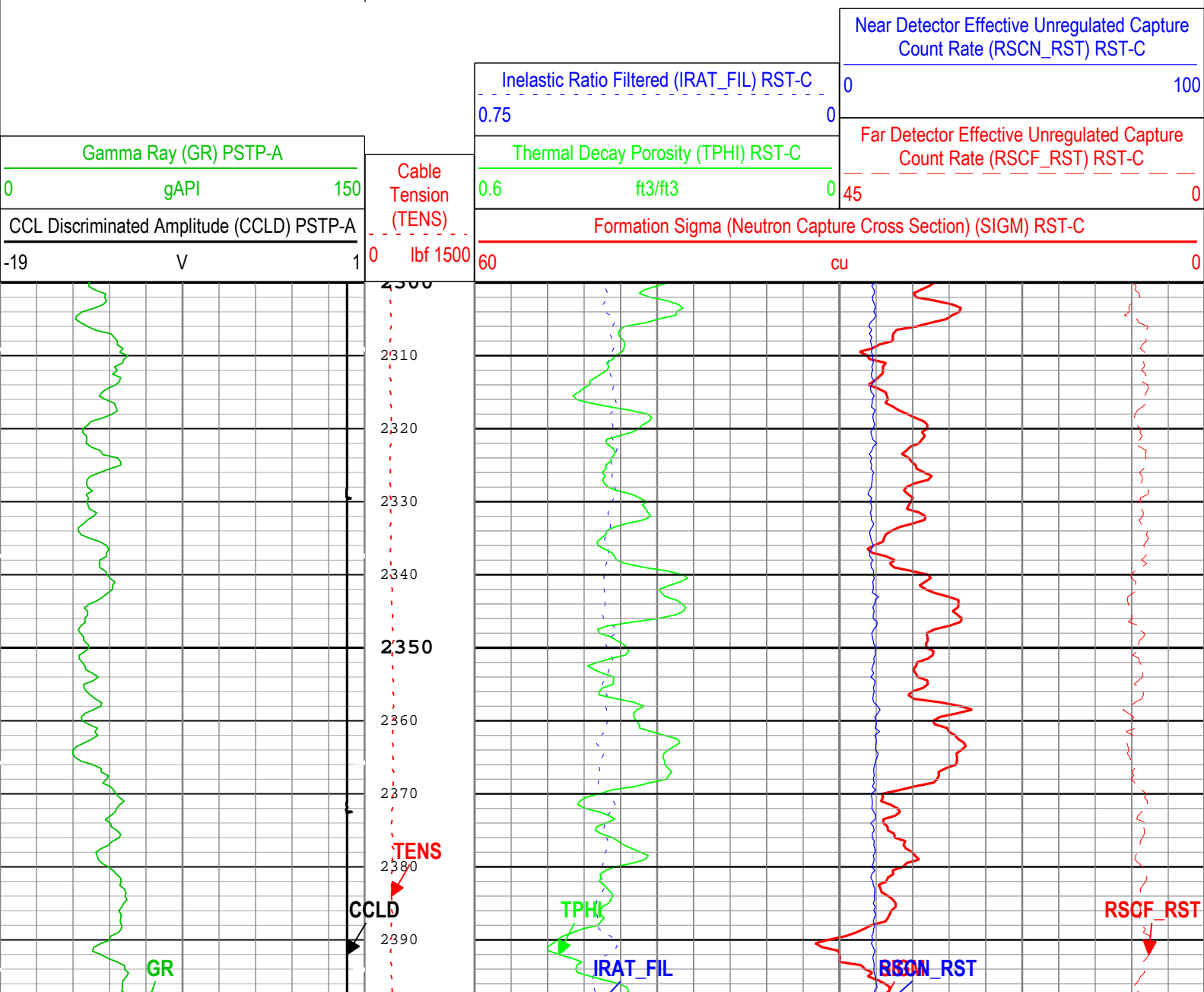
—IHV - Integrated Hole Volume every 100.00 (ft3)

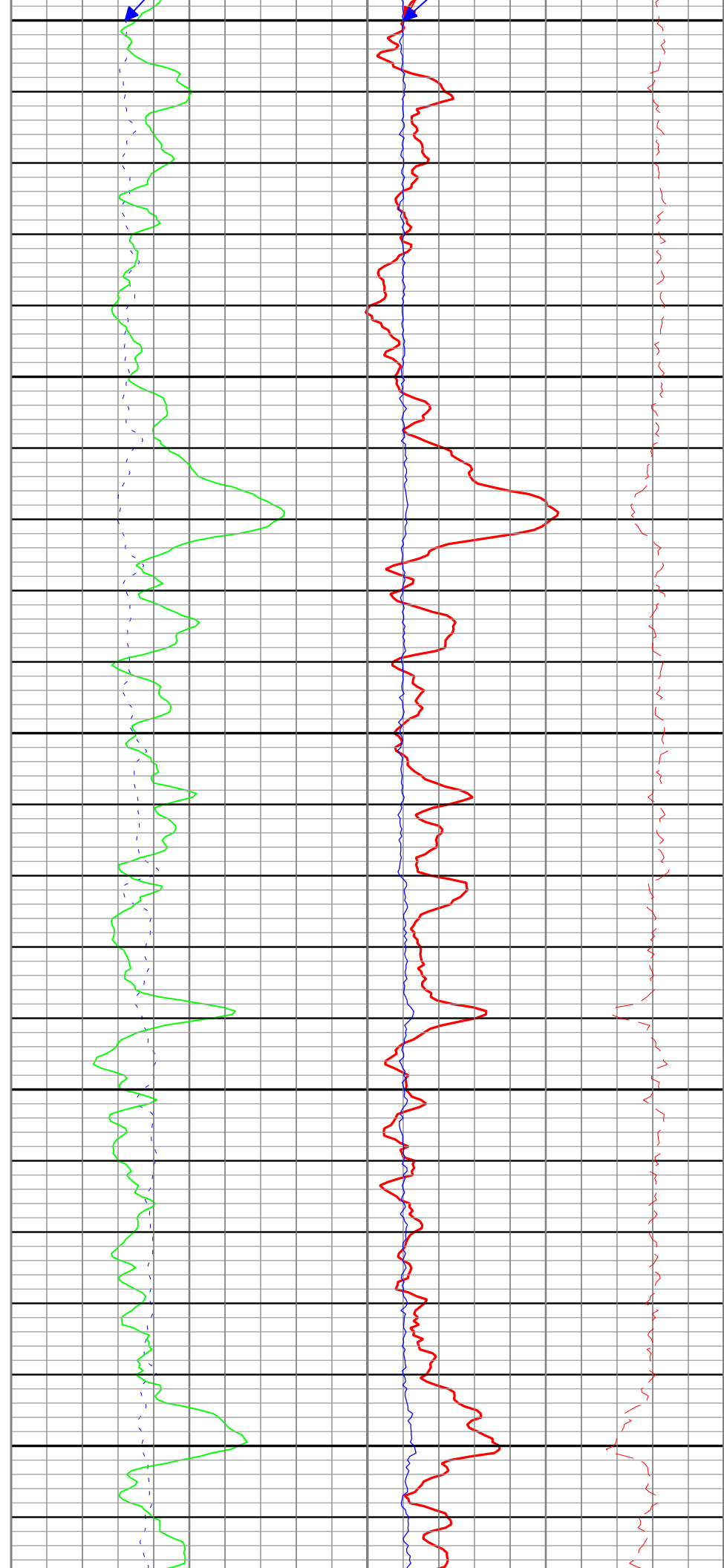
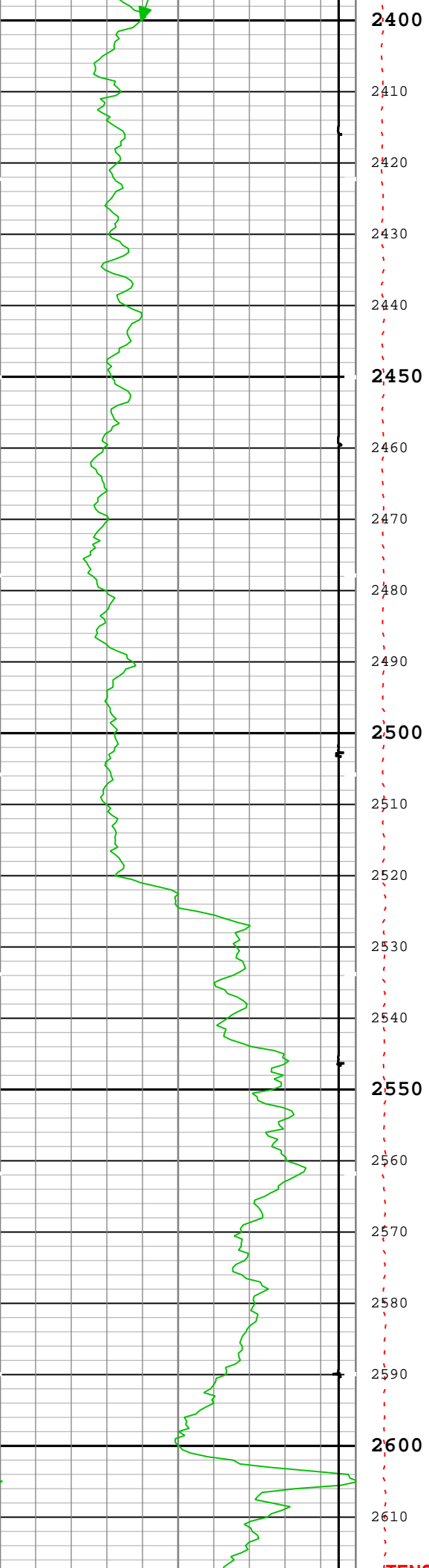
TIME\_1900 - Time Marked every 60.00 (s)

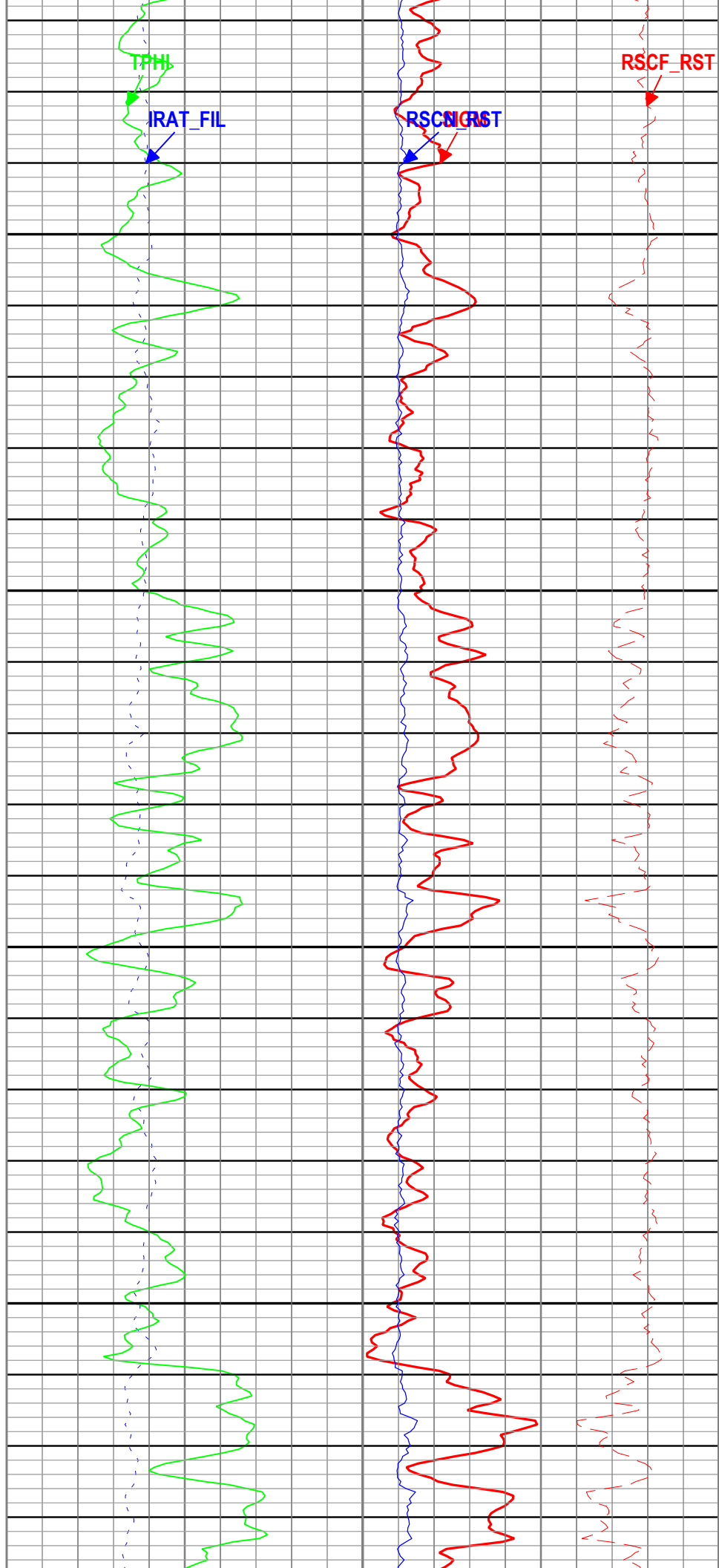
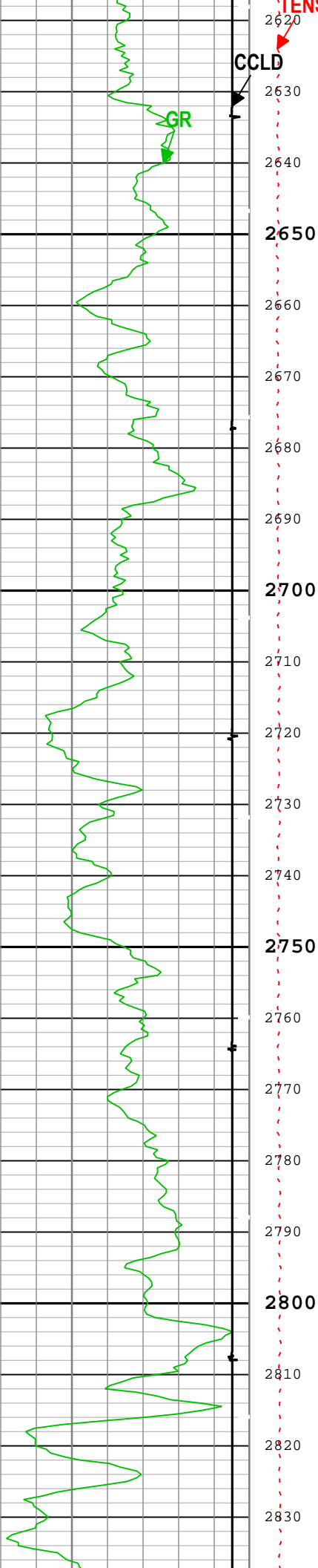
—ICV - Integrated Cement Volume every 10.00 (ft3)

—TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

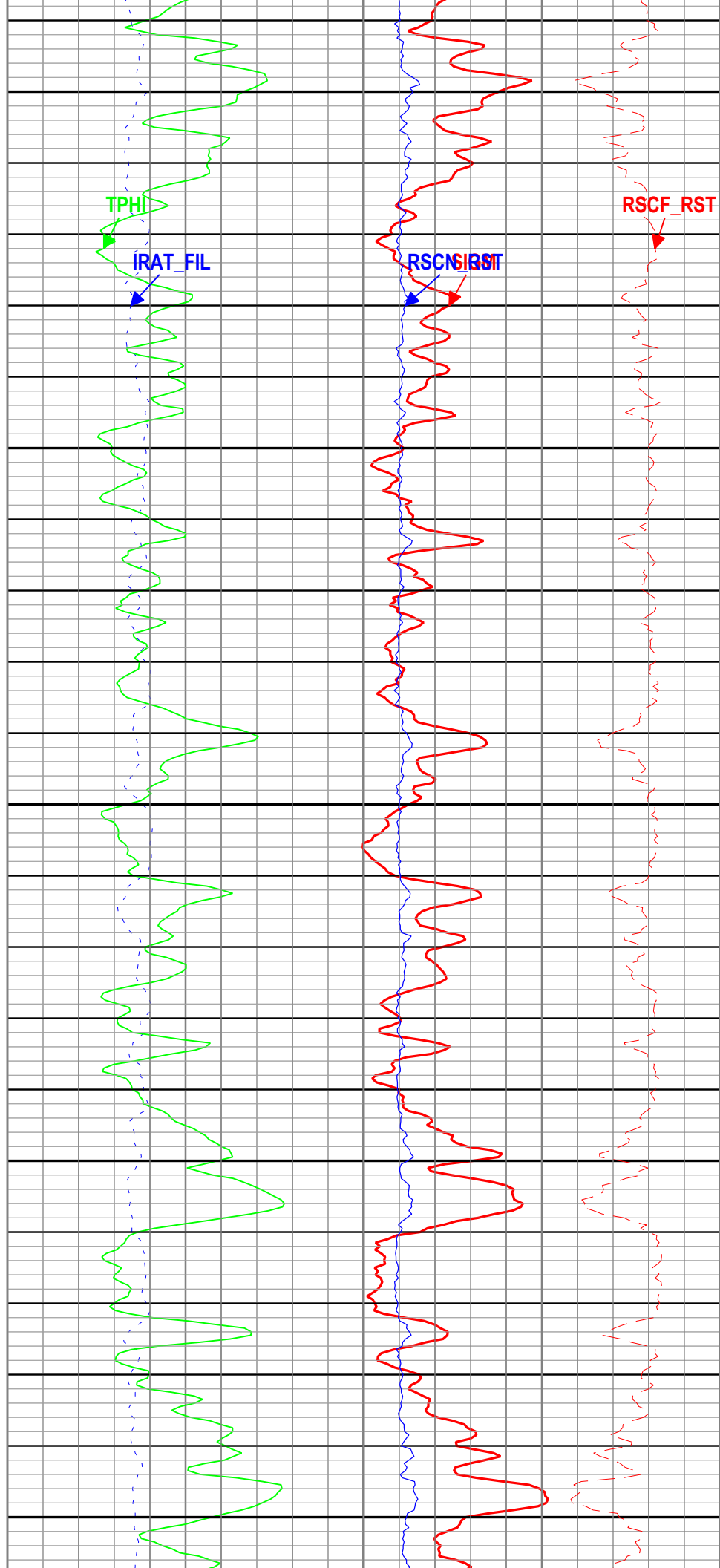
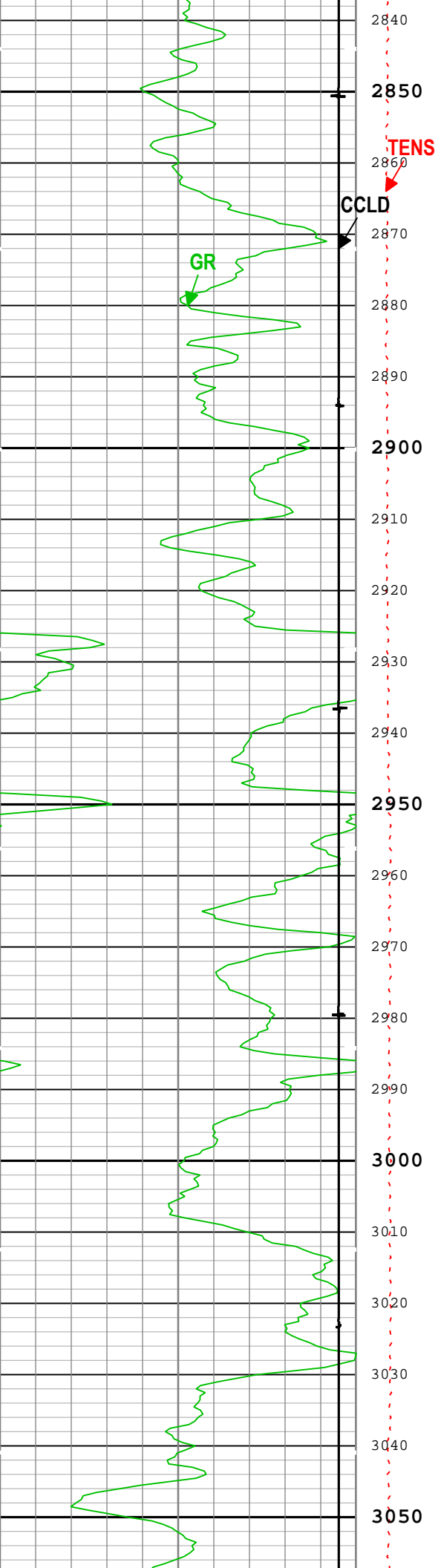
—ICV - Integrated Cement Volume every 100.00 (ft3)

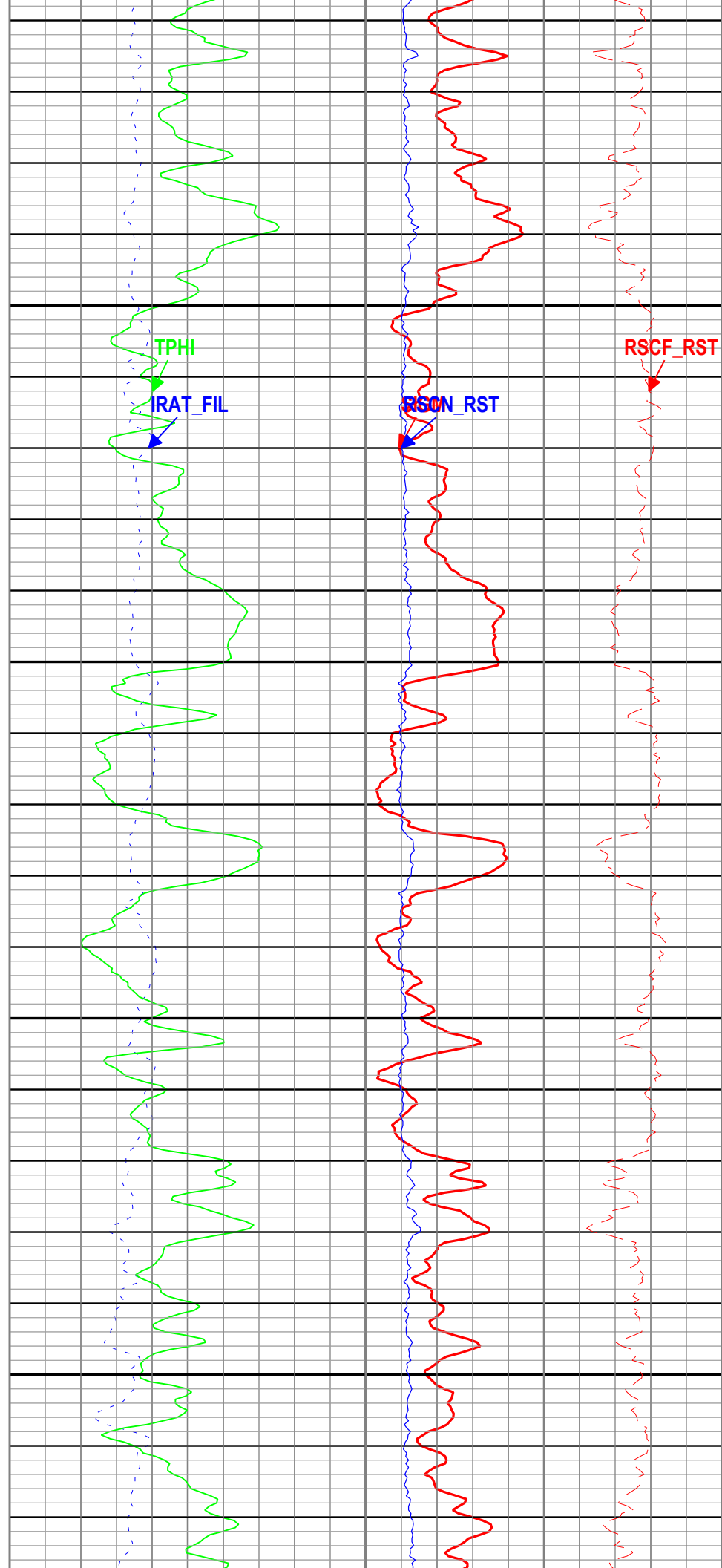
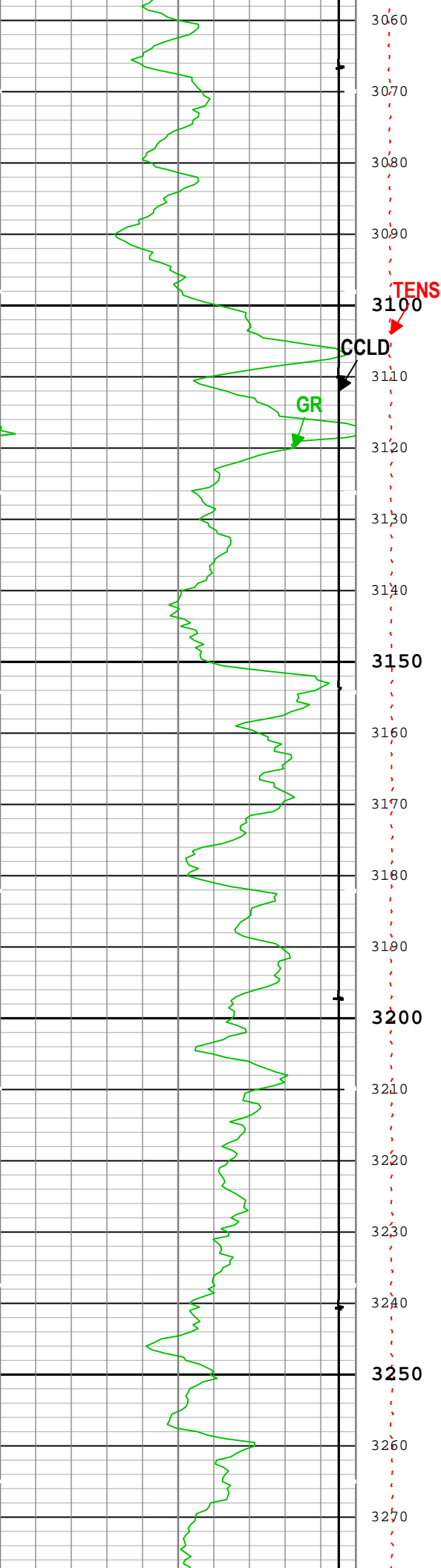


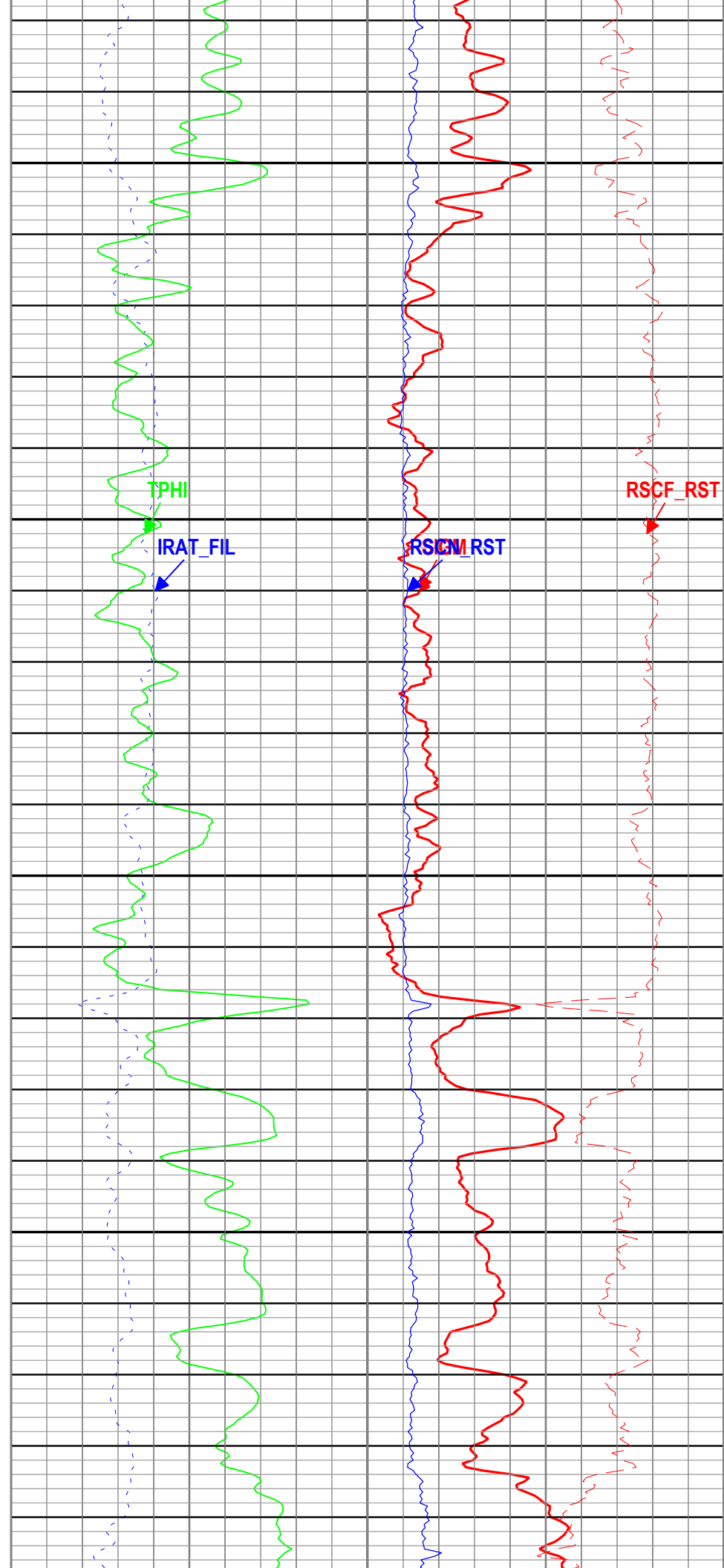
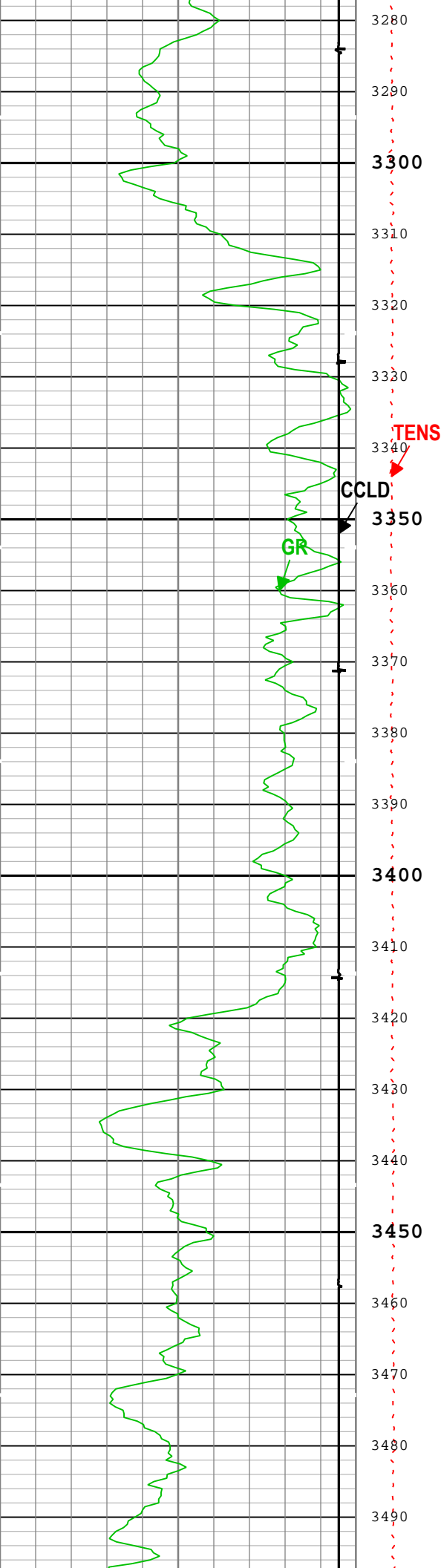


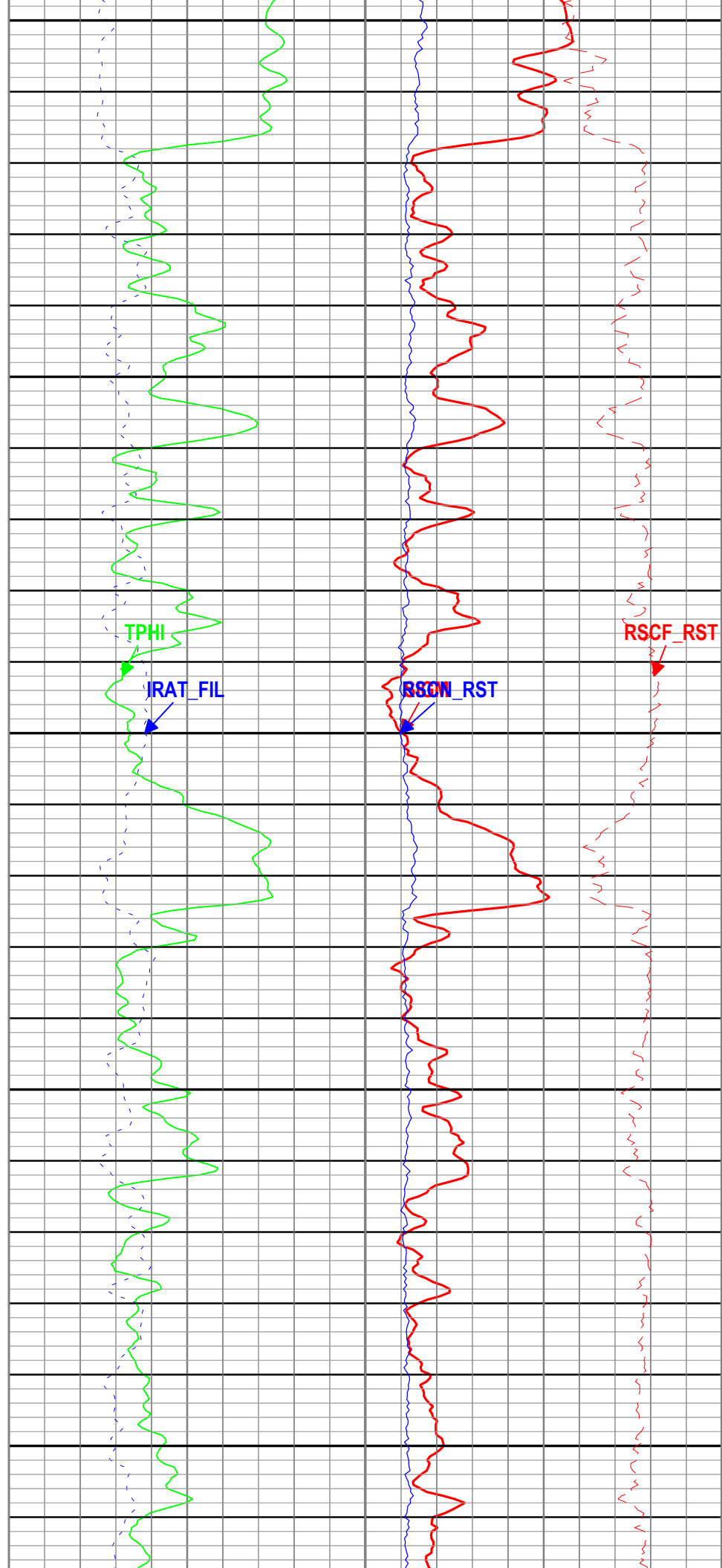
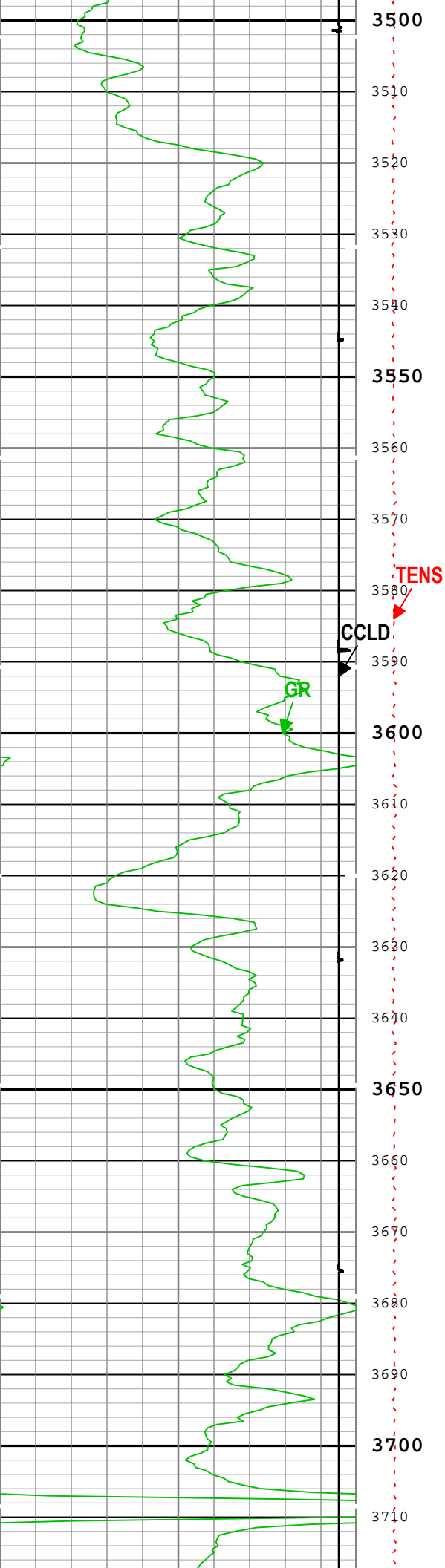




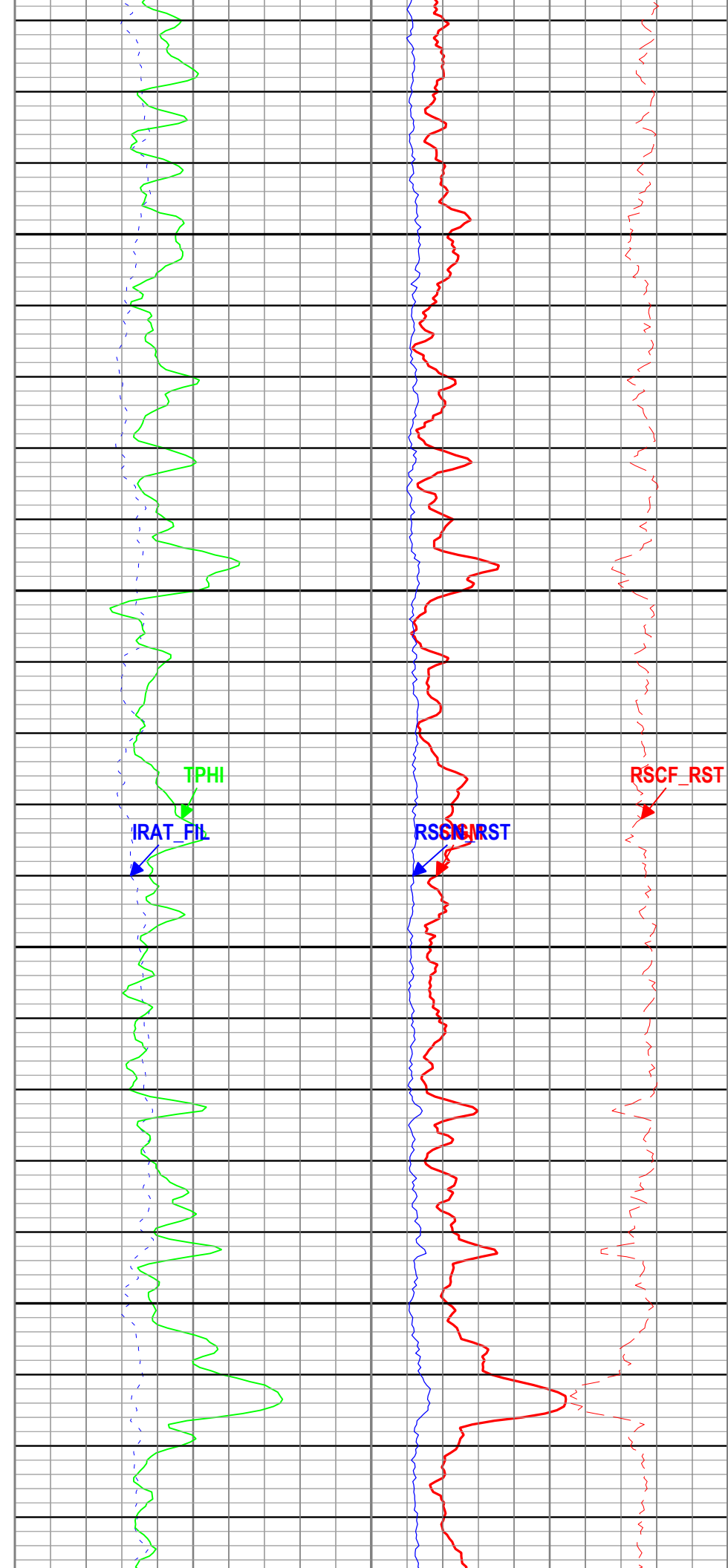
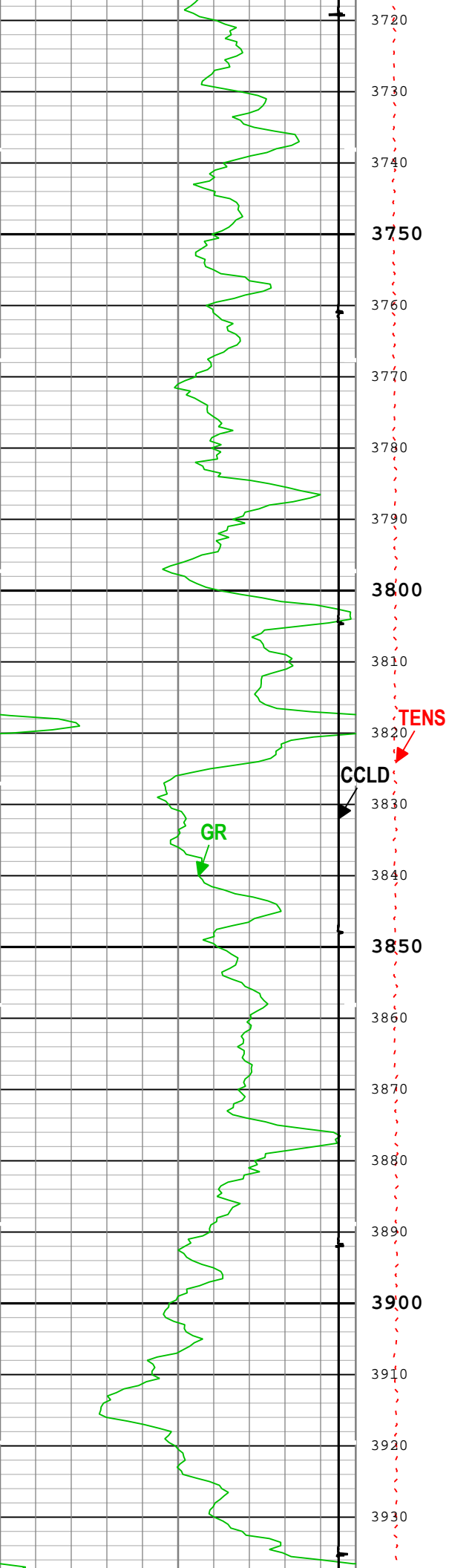


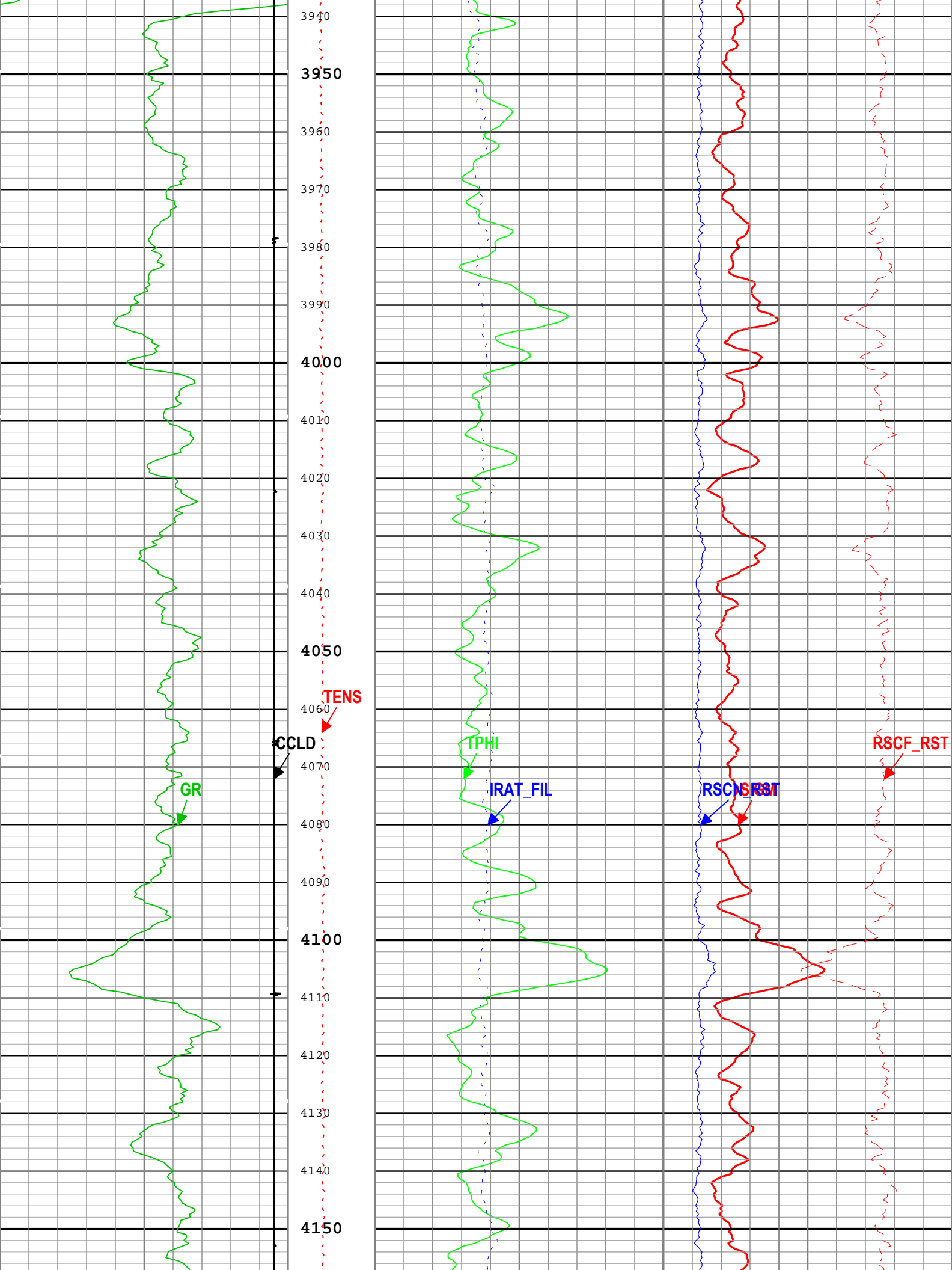


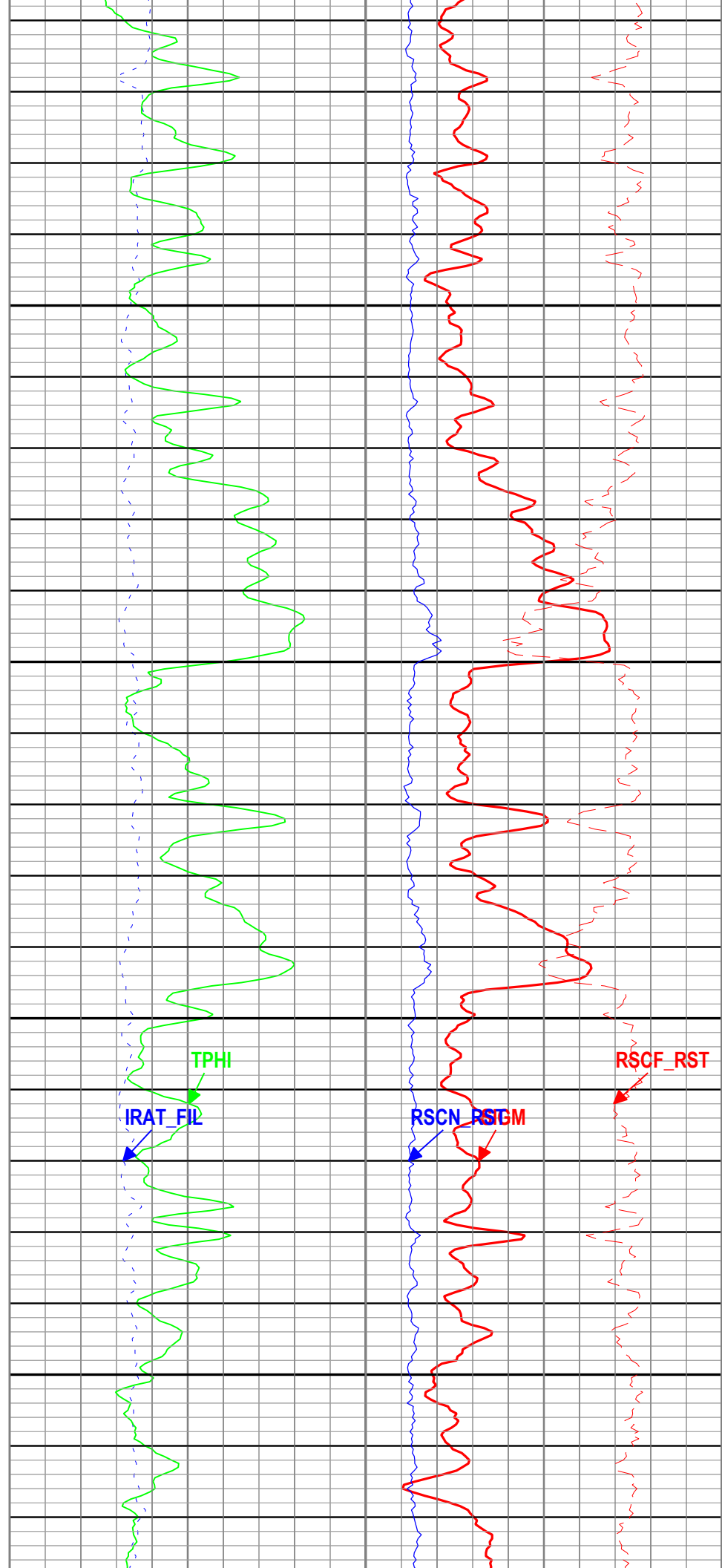
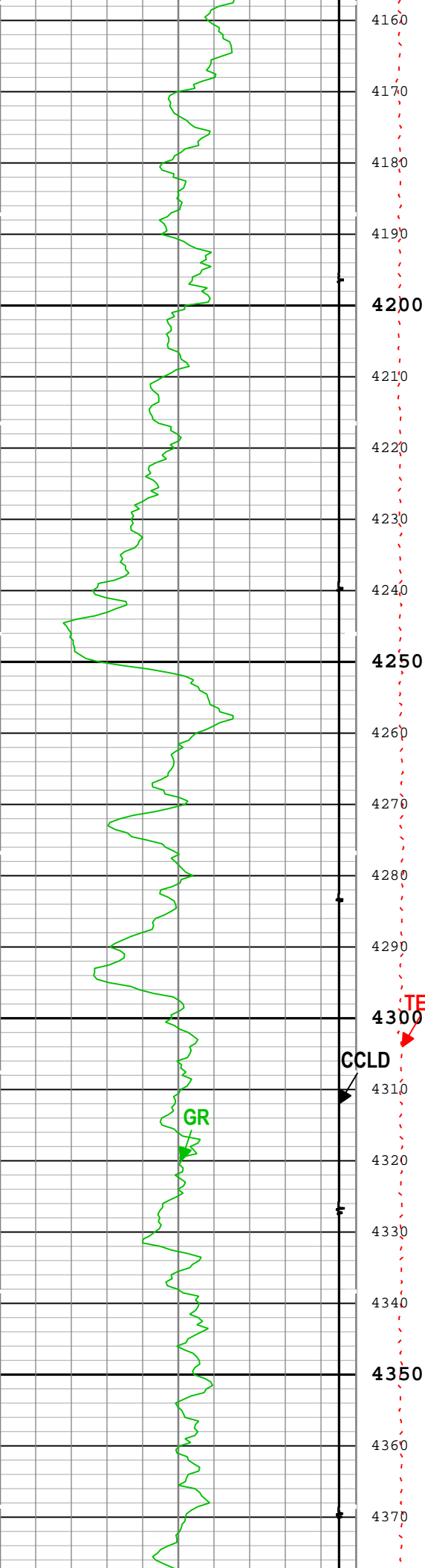


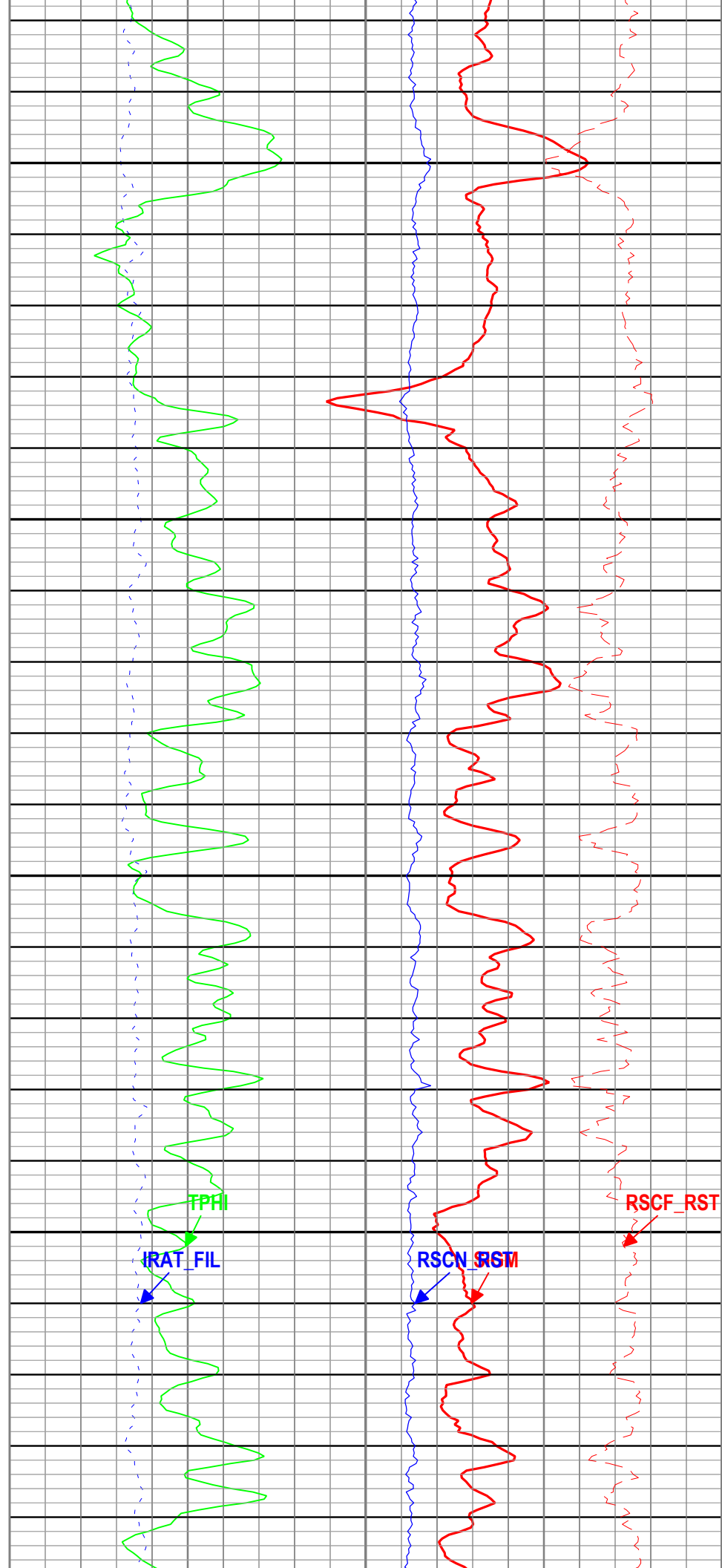
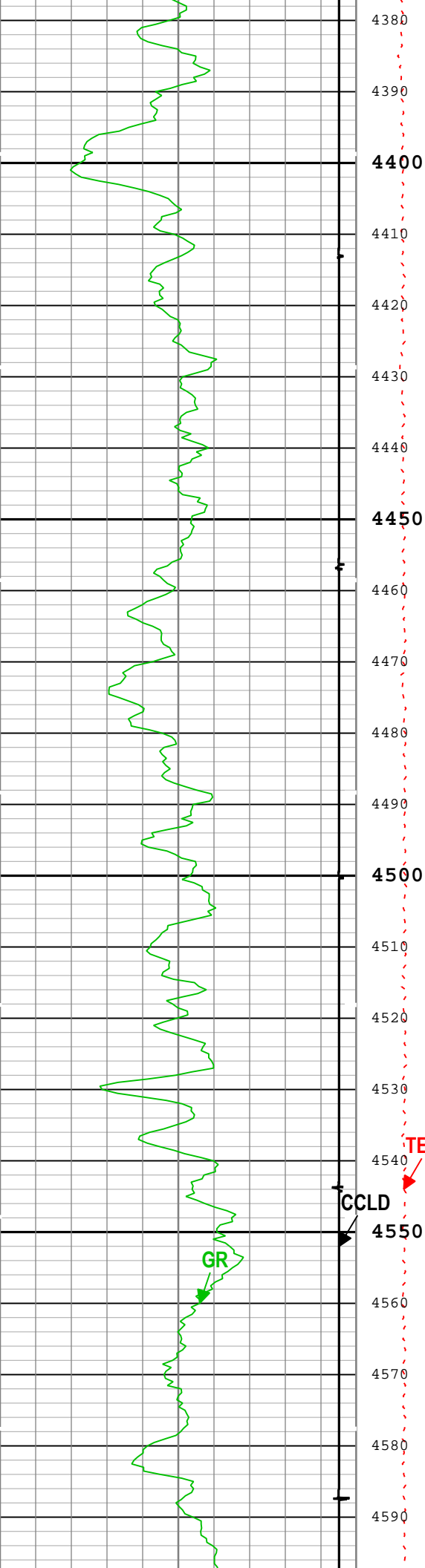




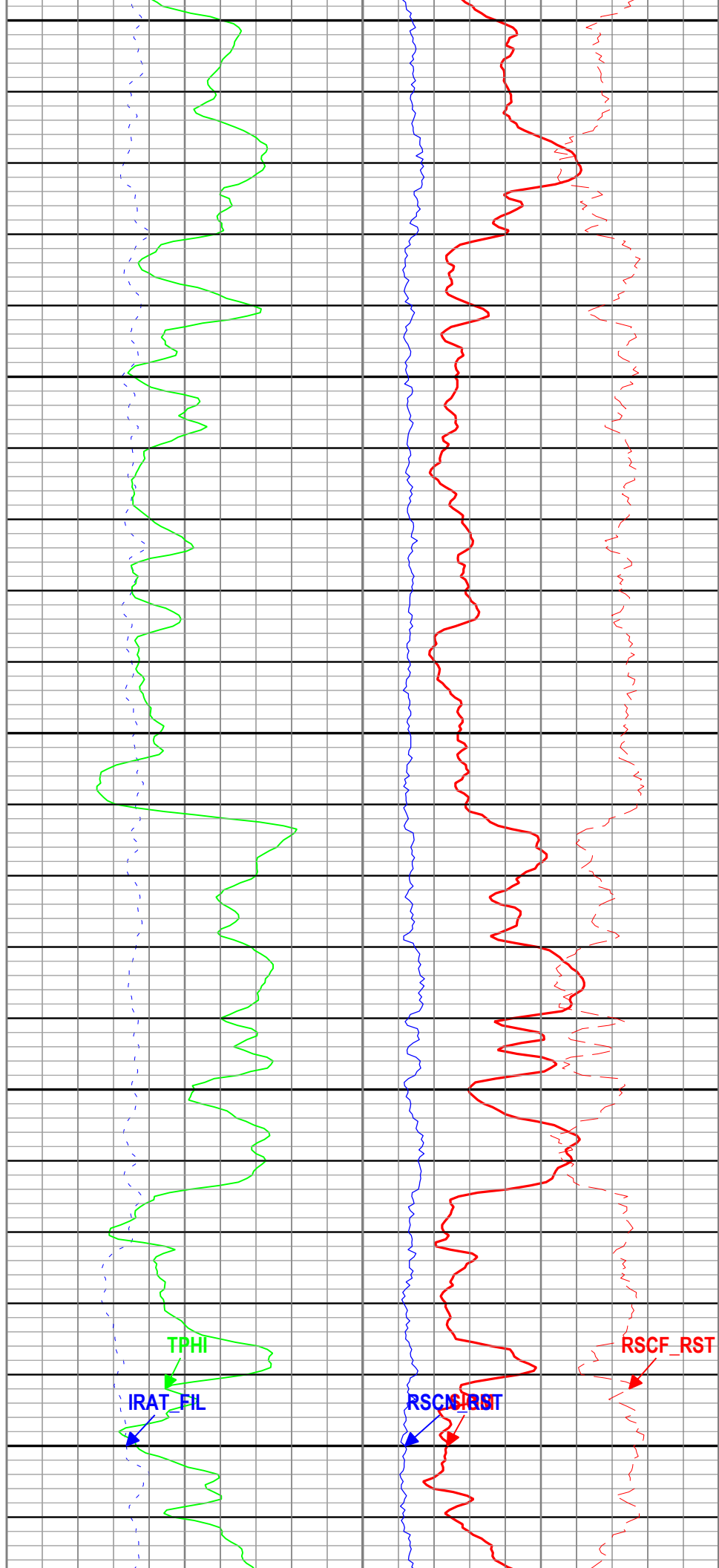
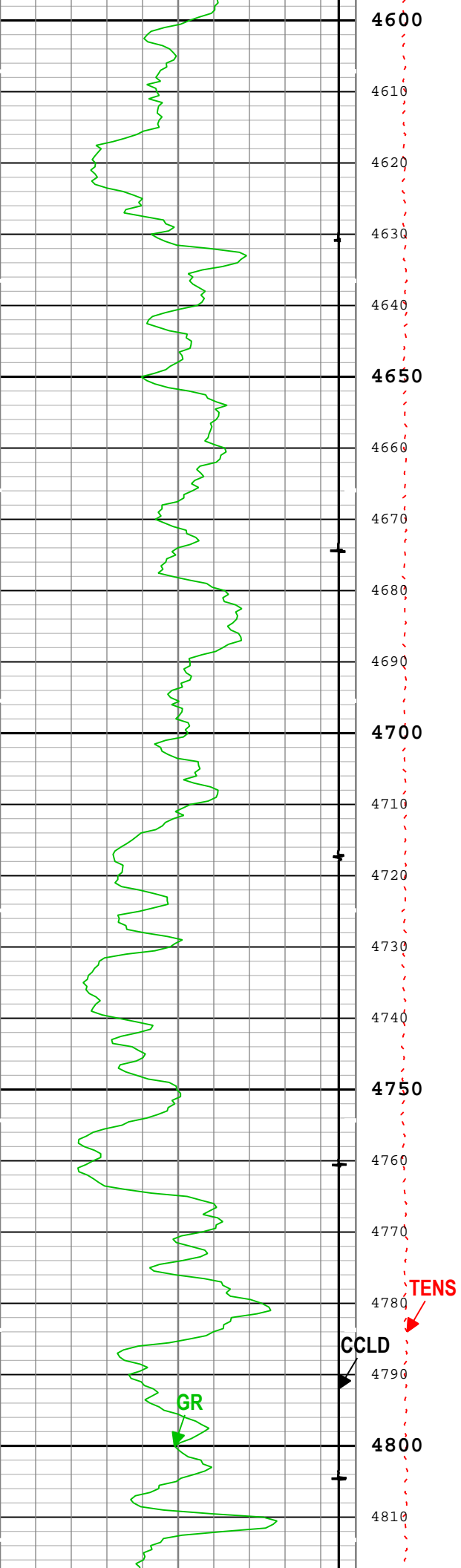


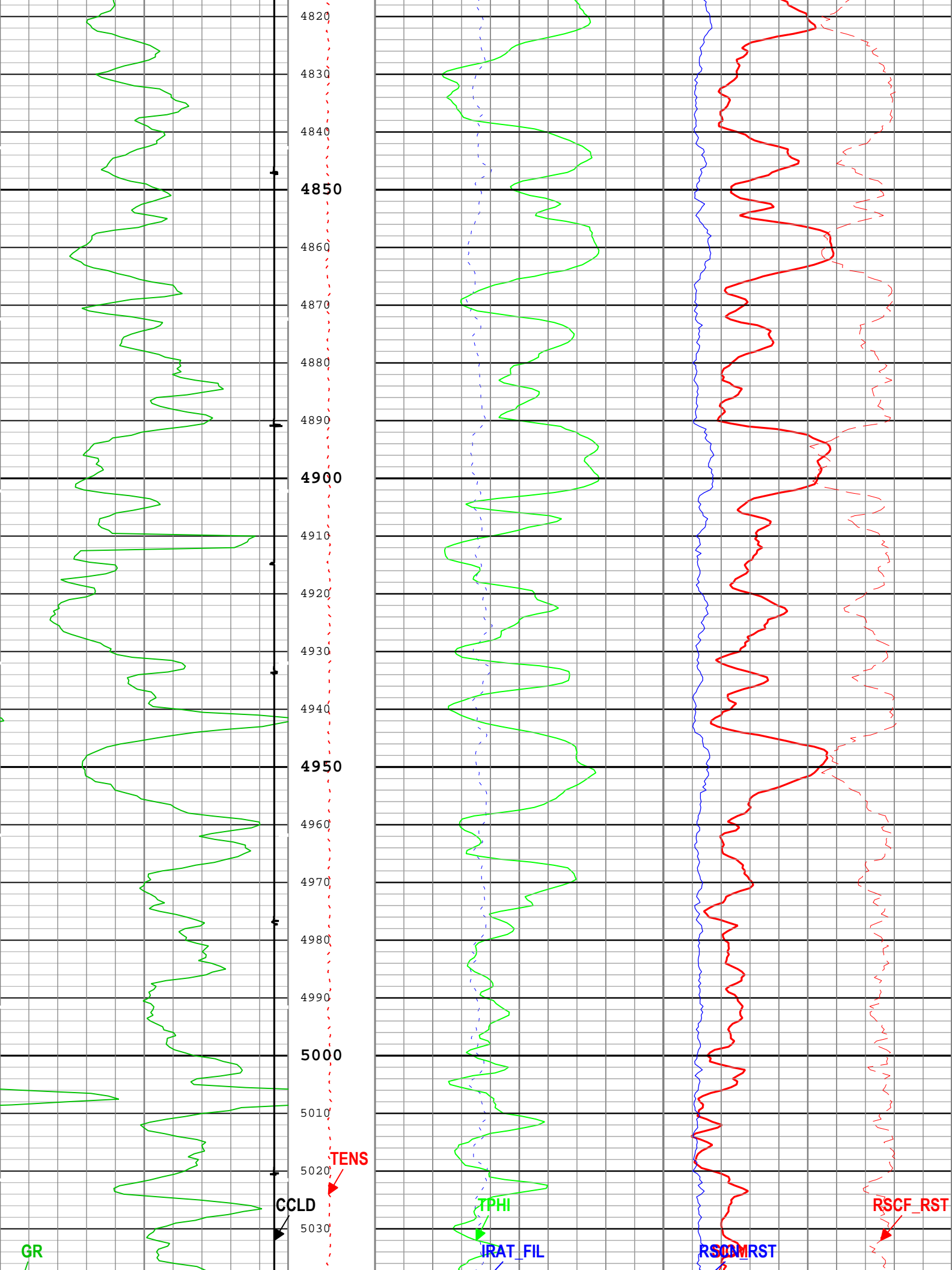


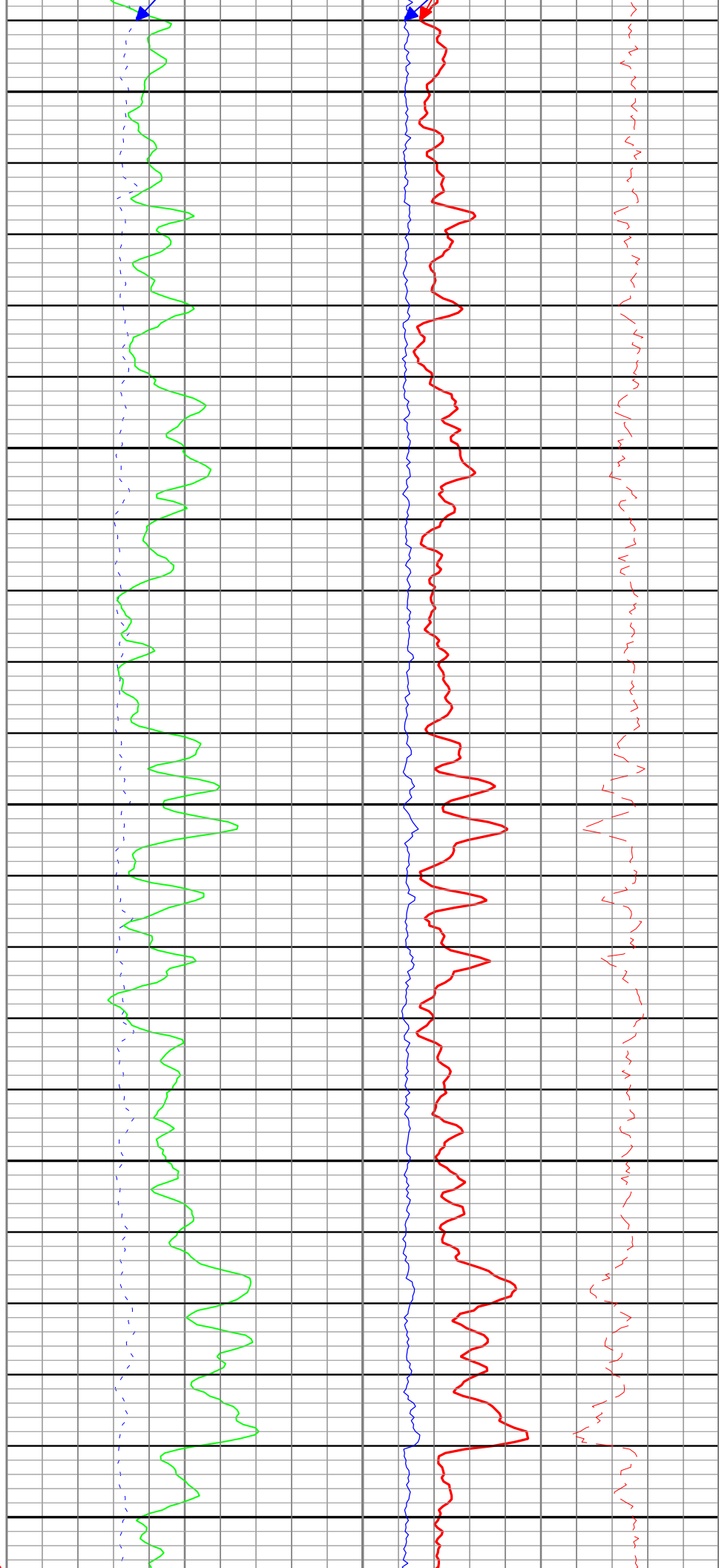
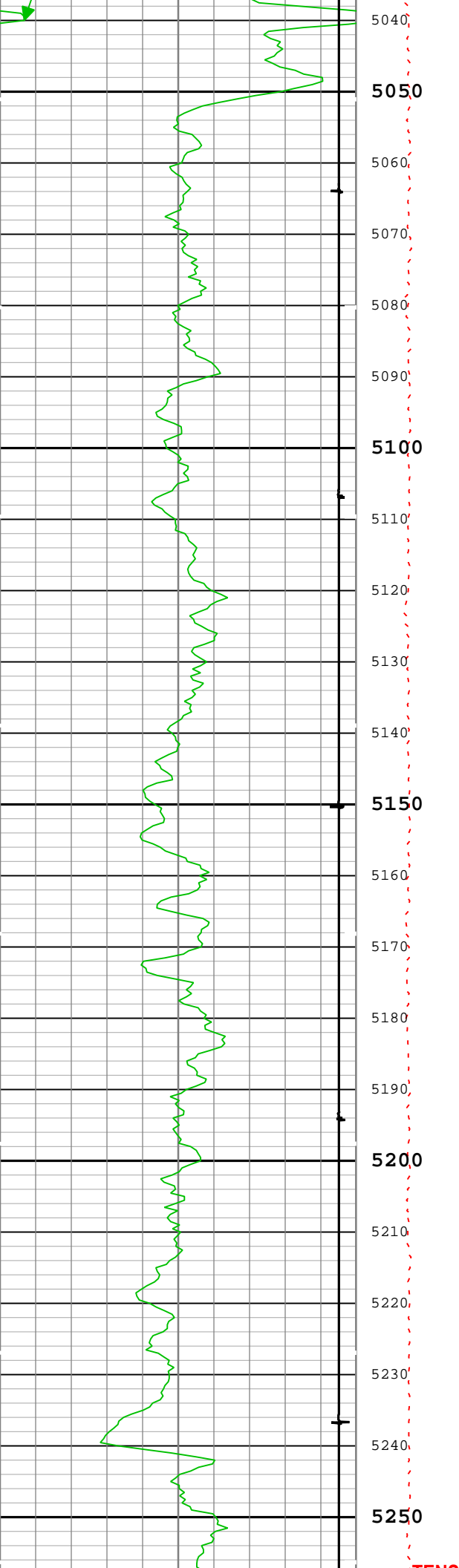


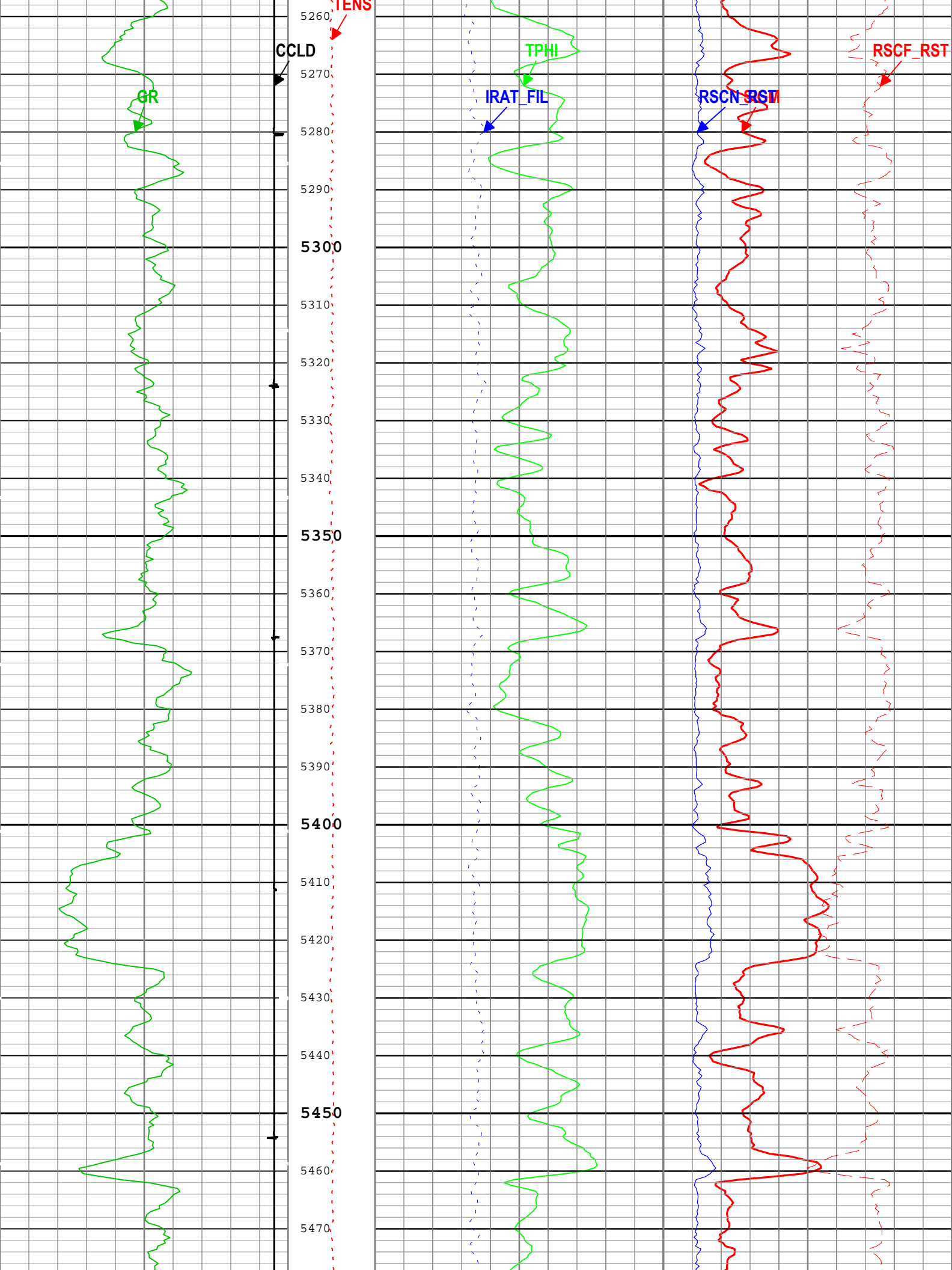




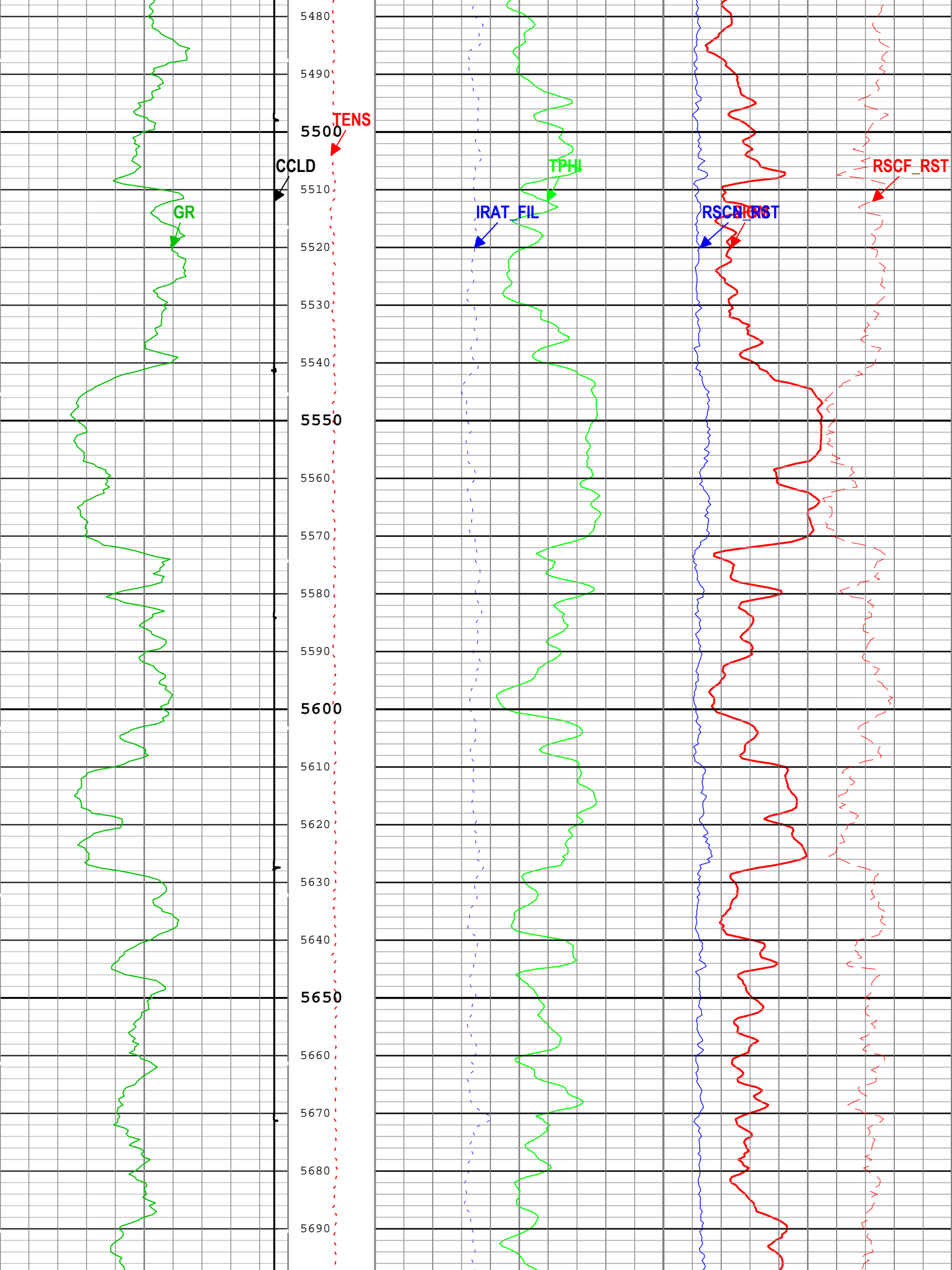


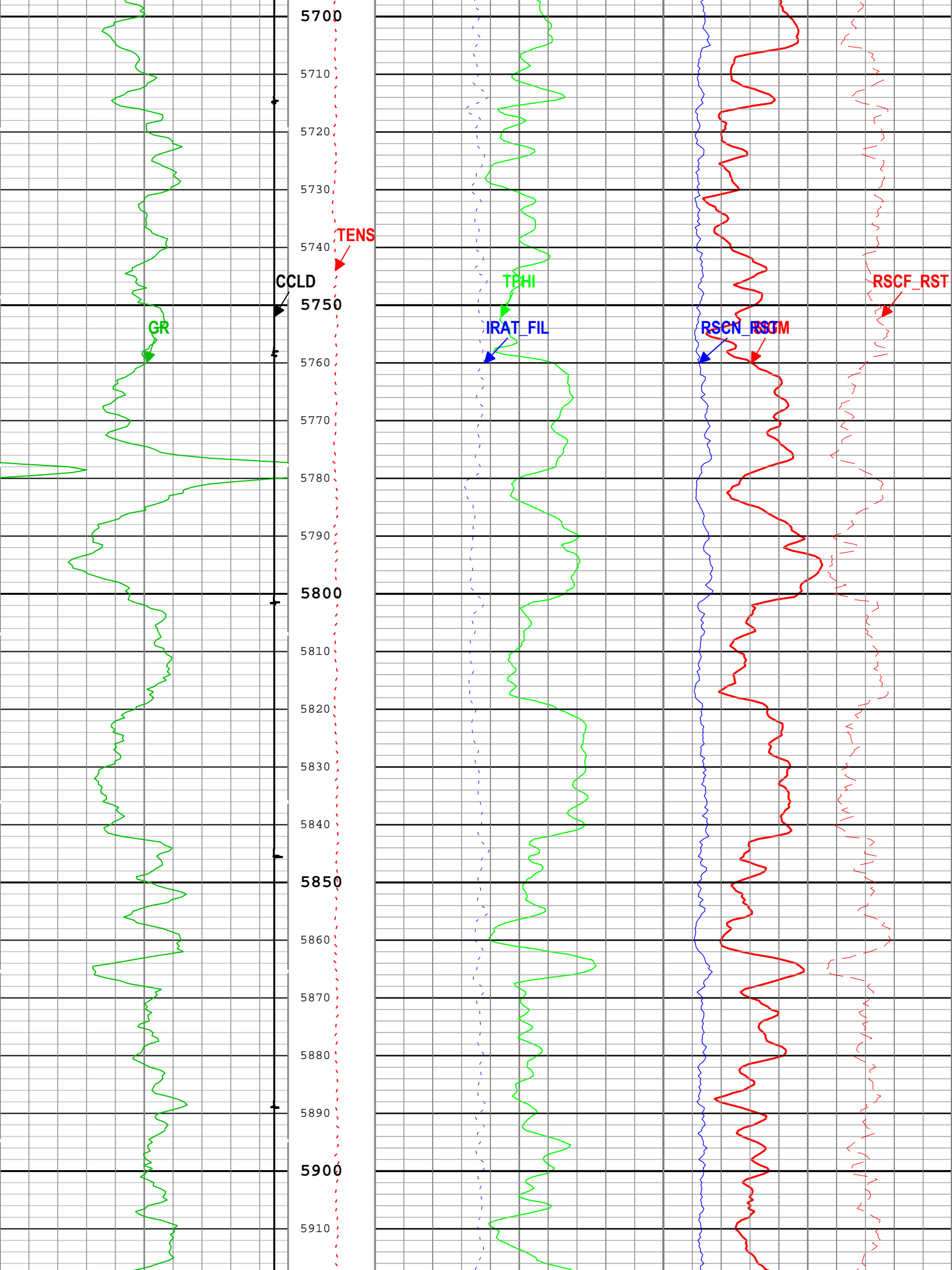


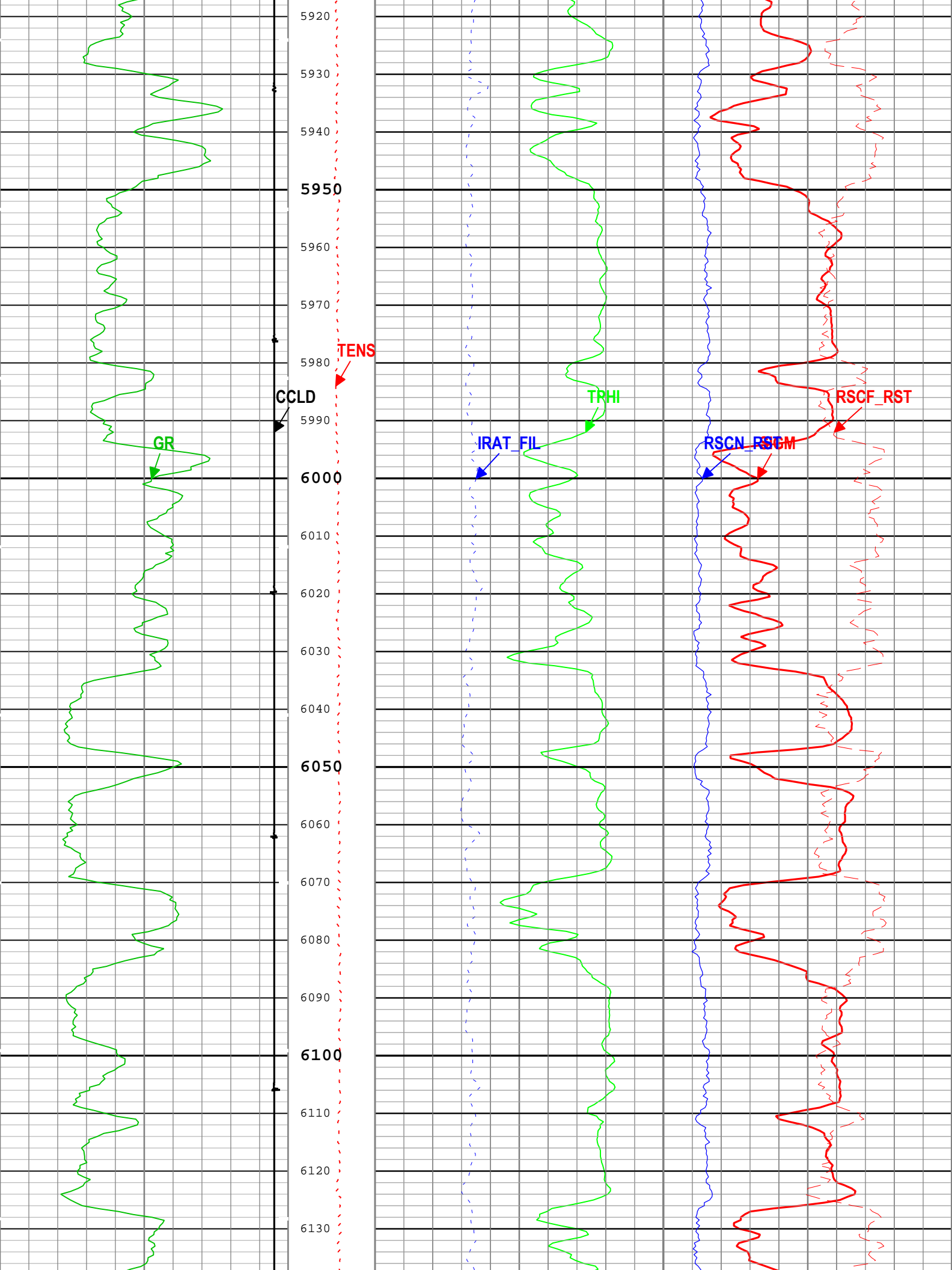


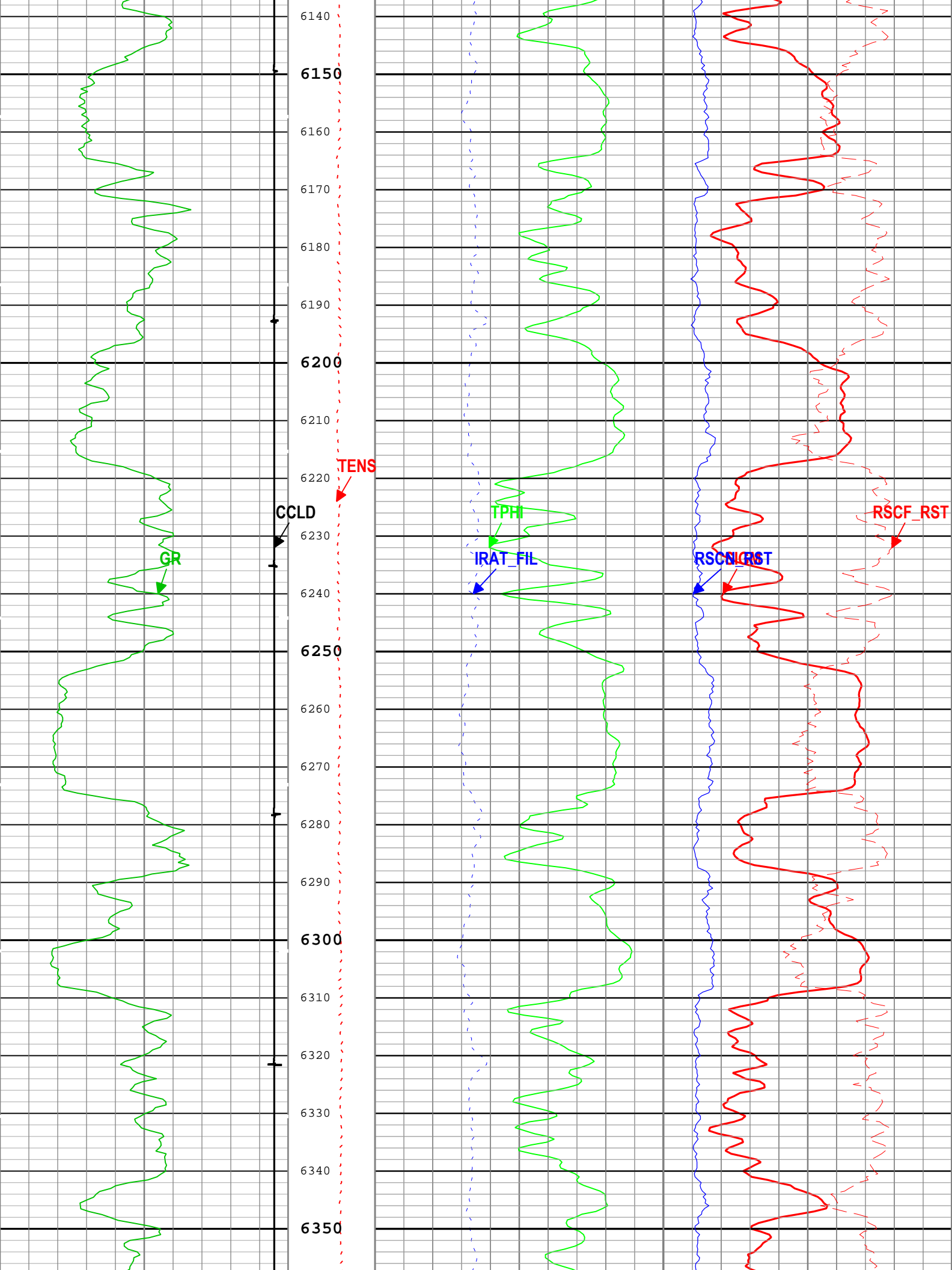




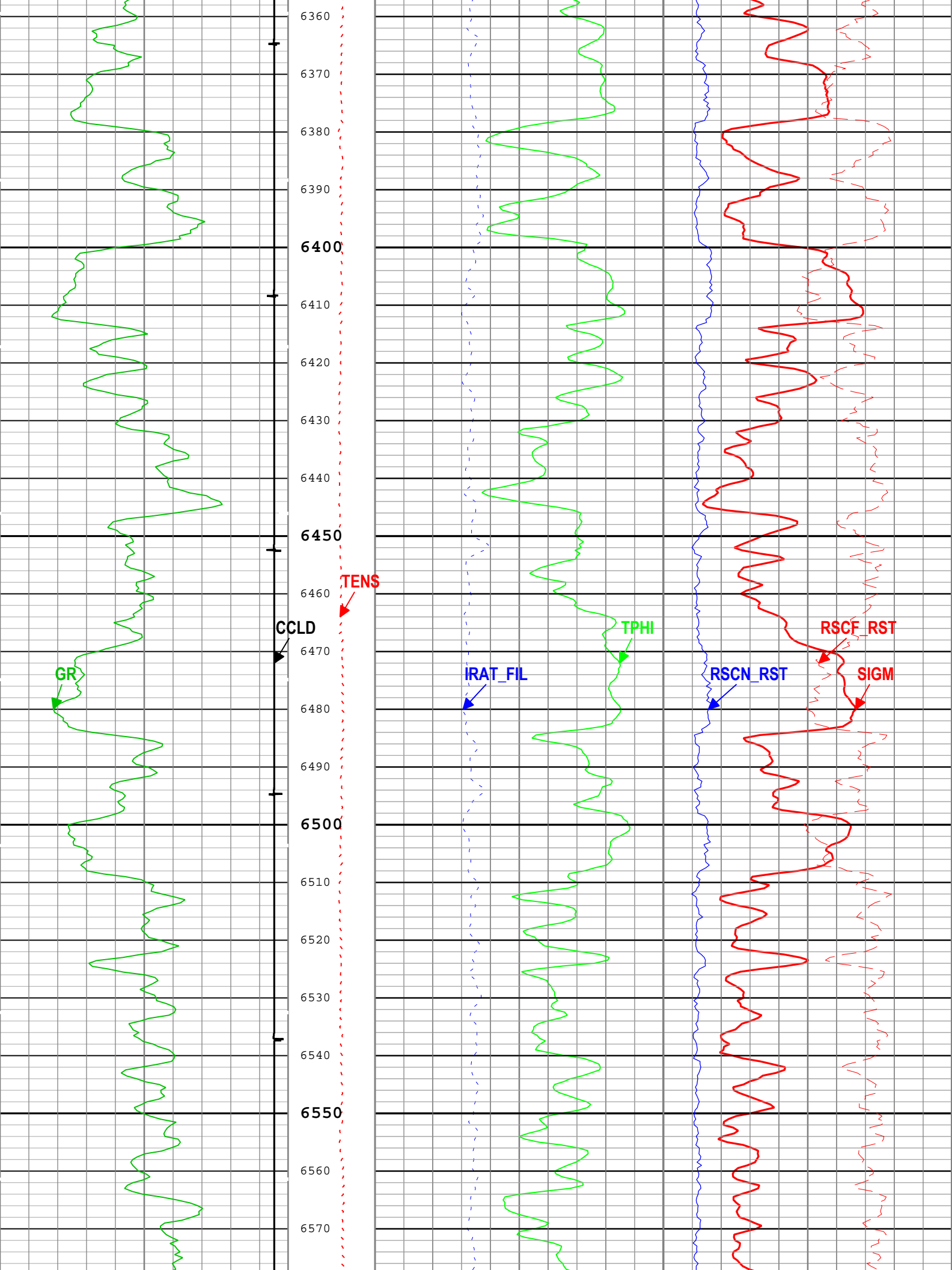


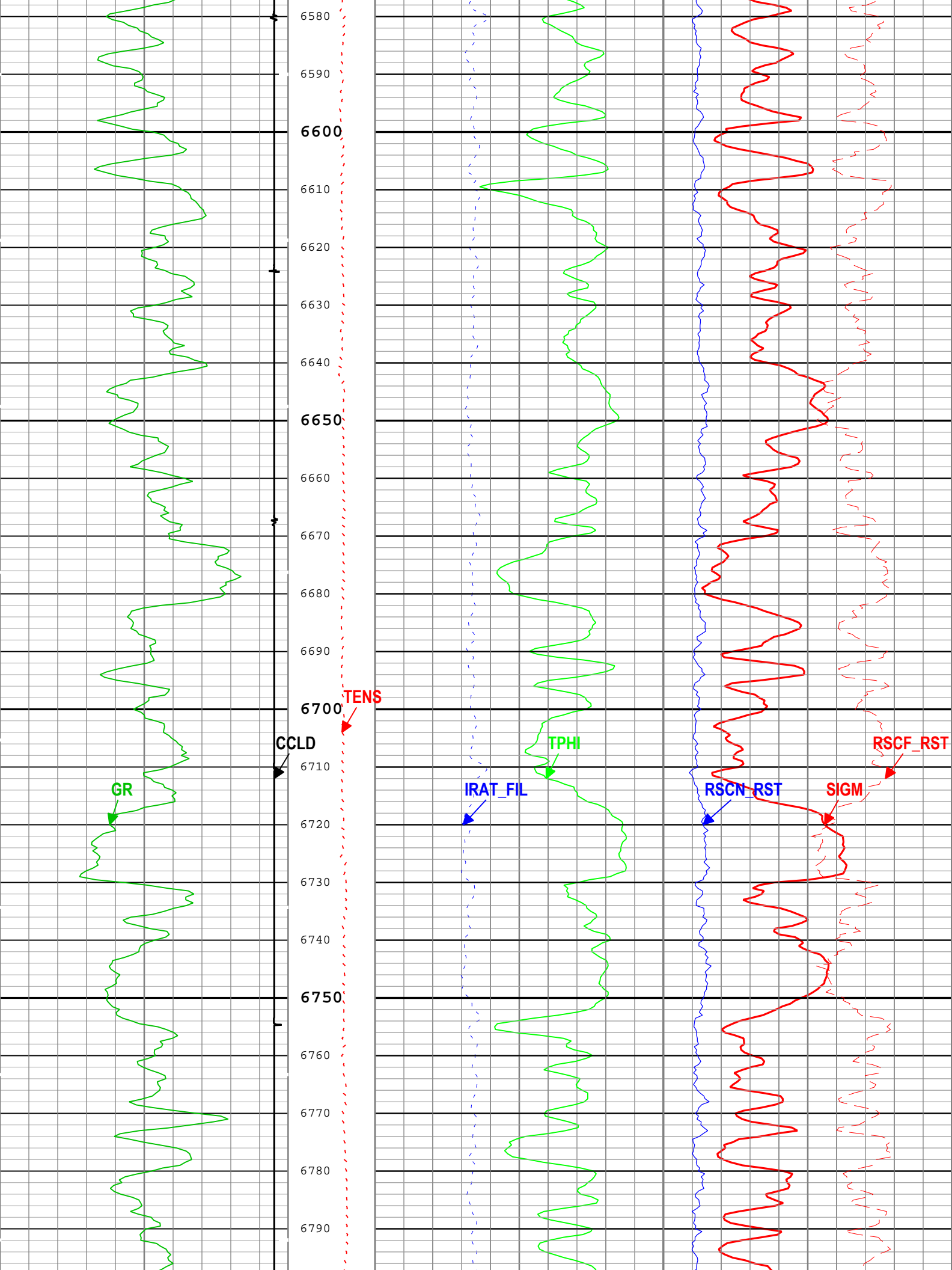


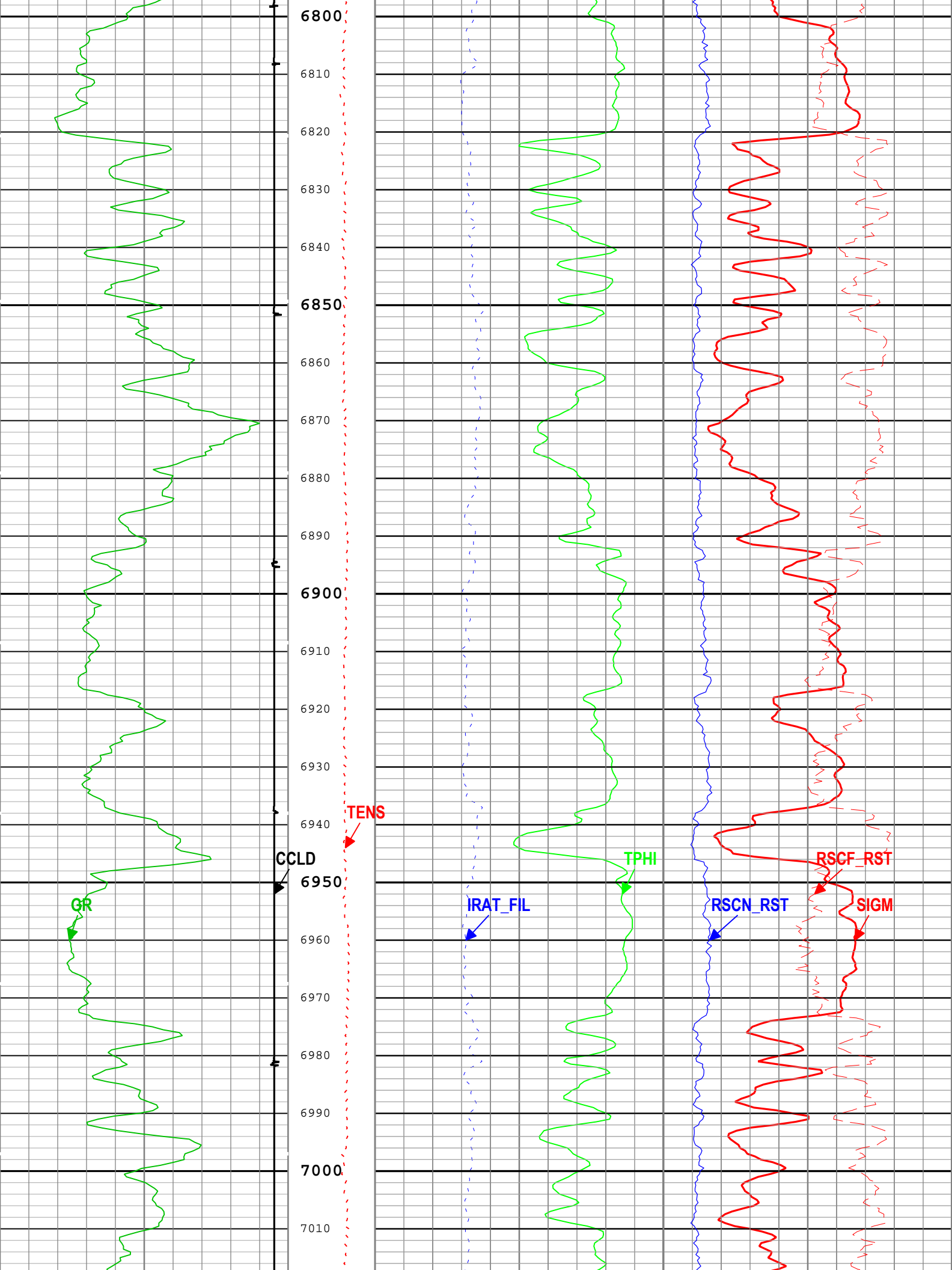


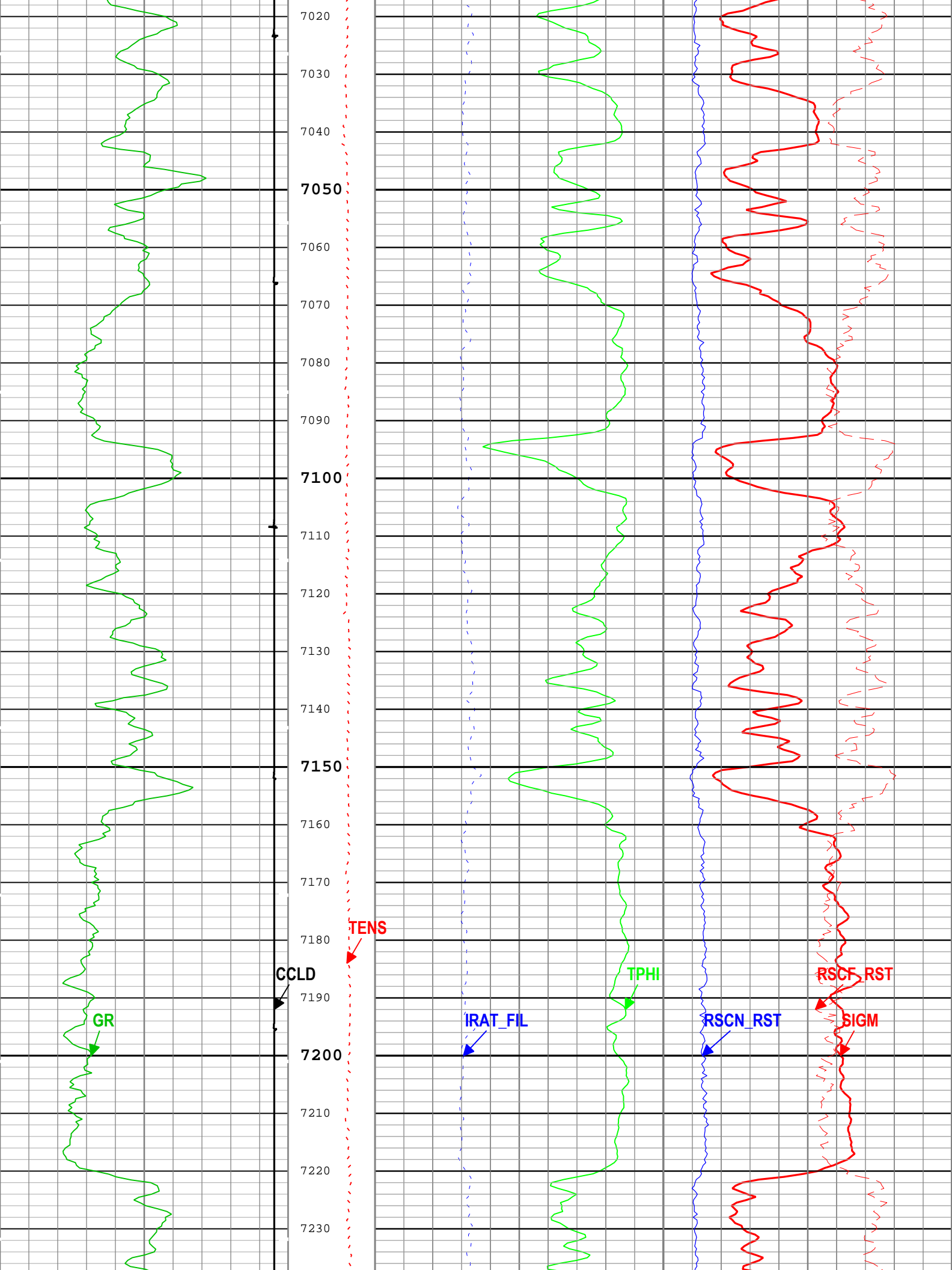


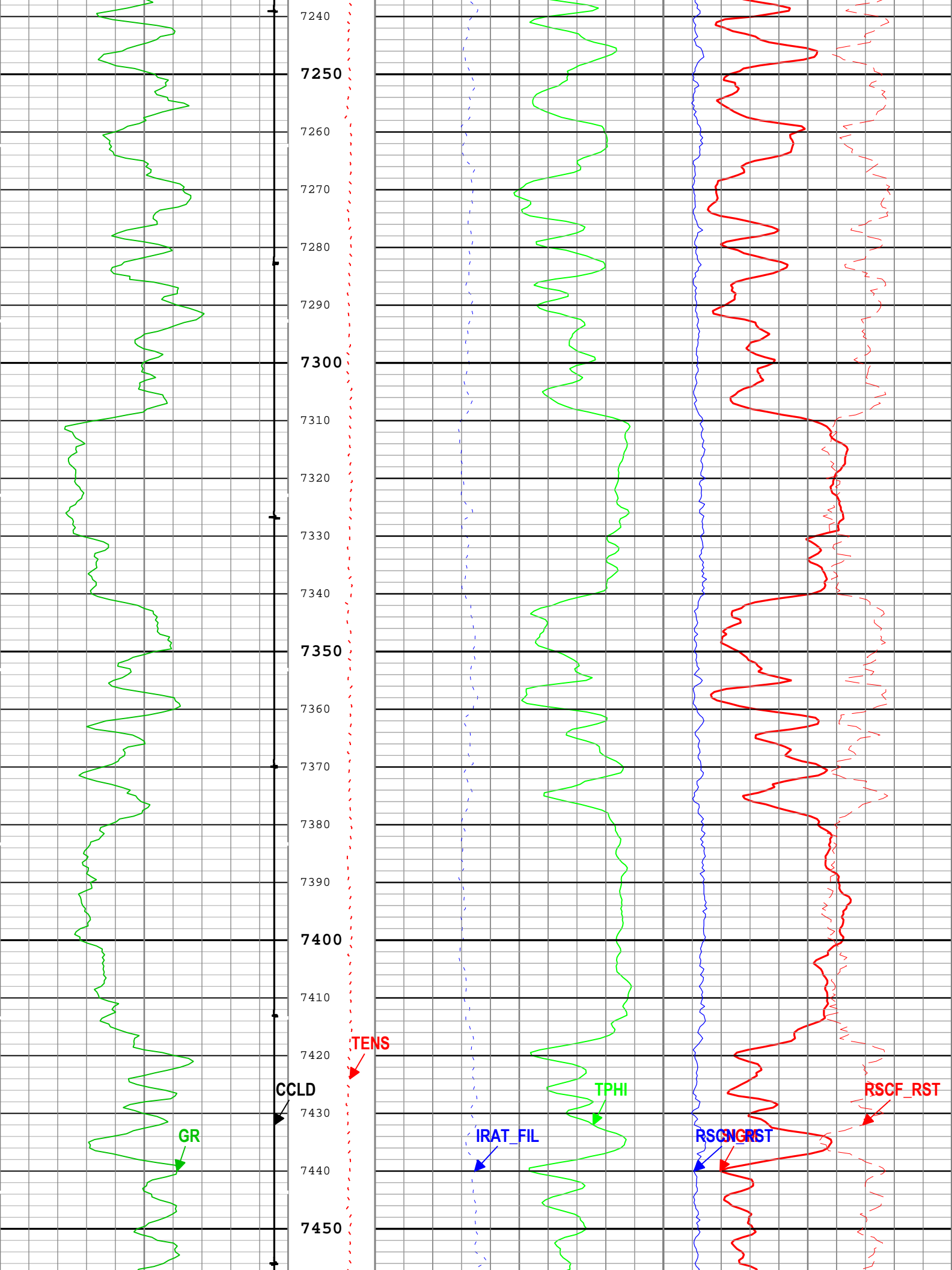




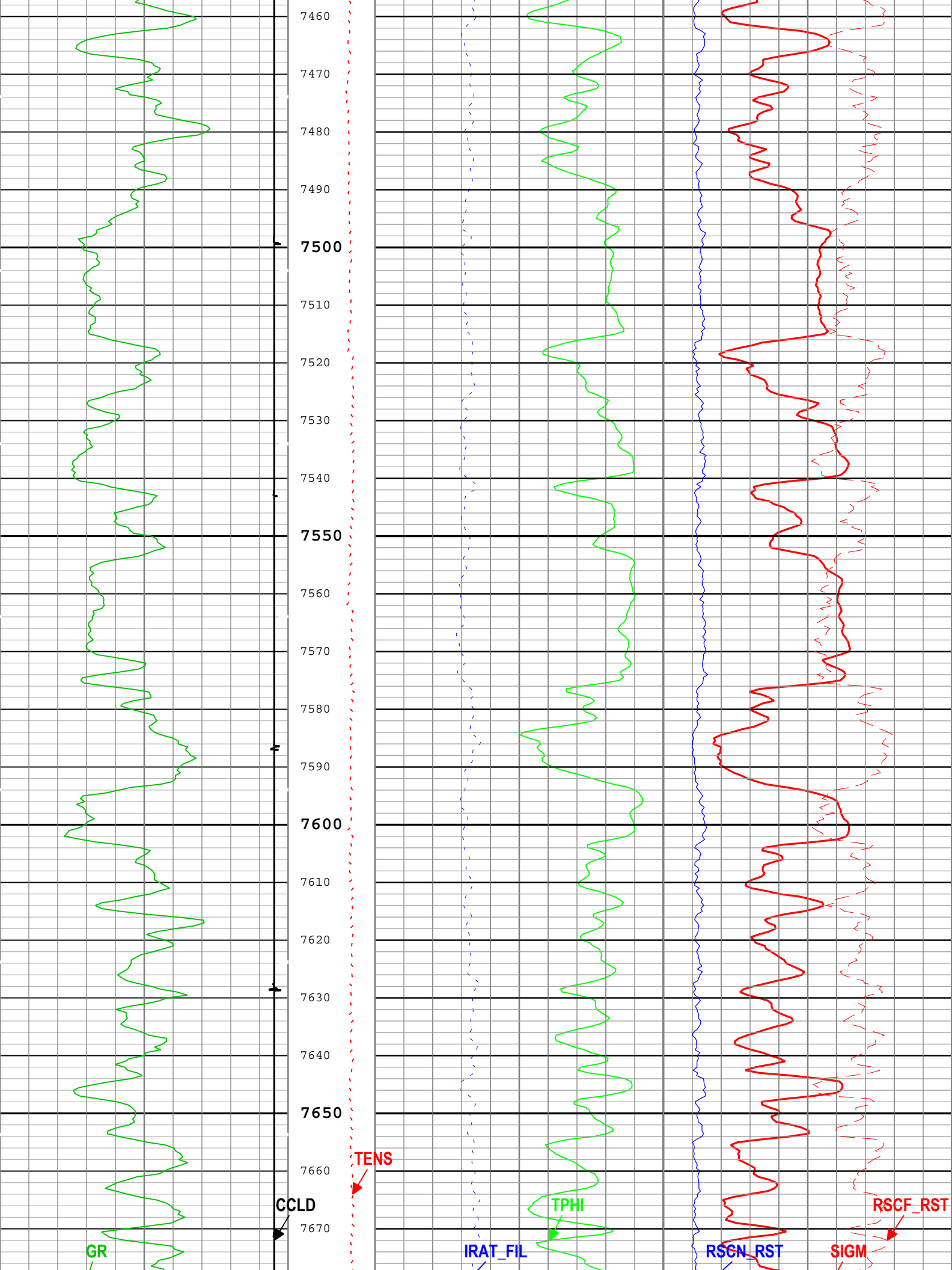


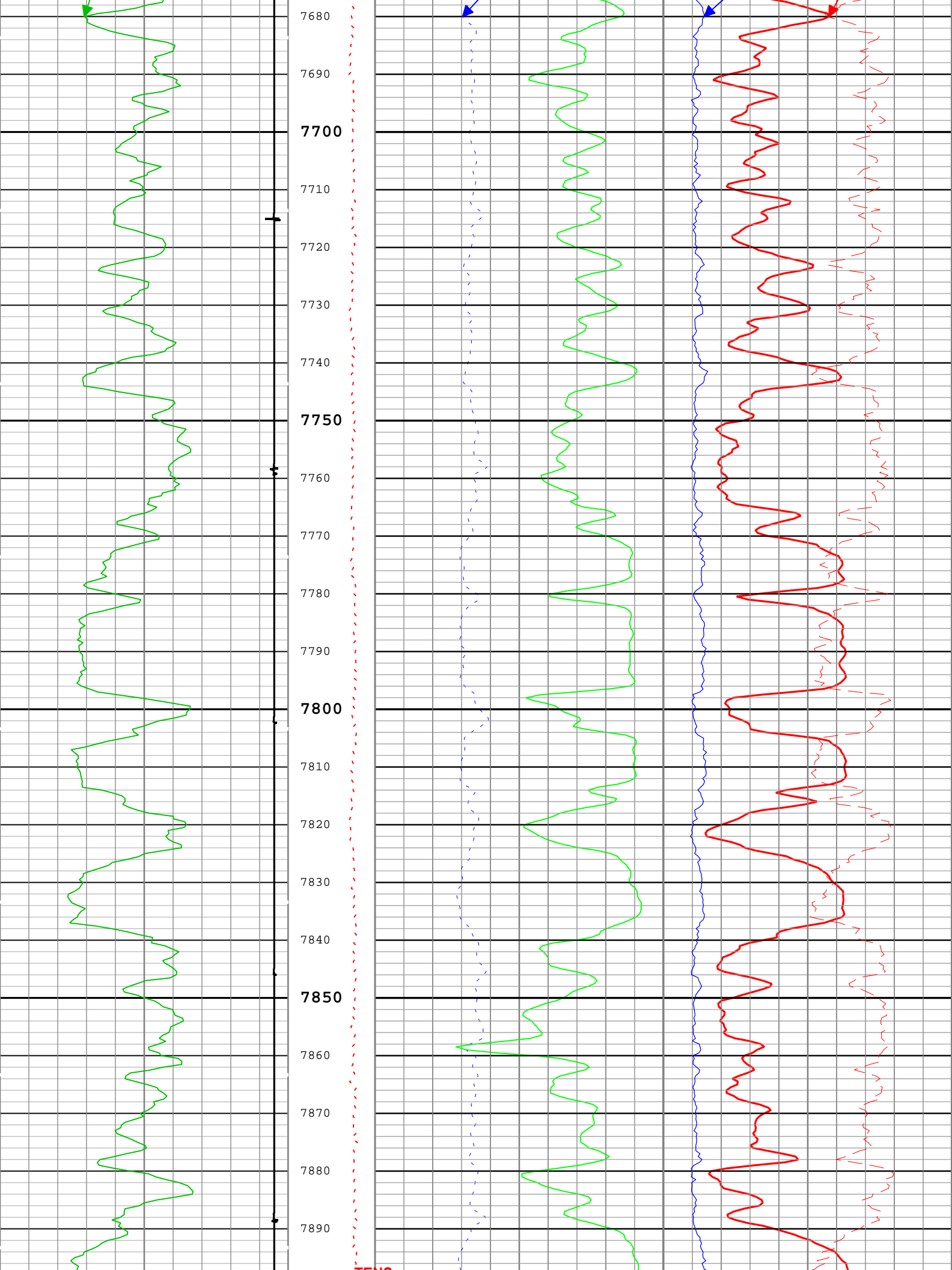


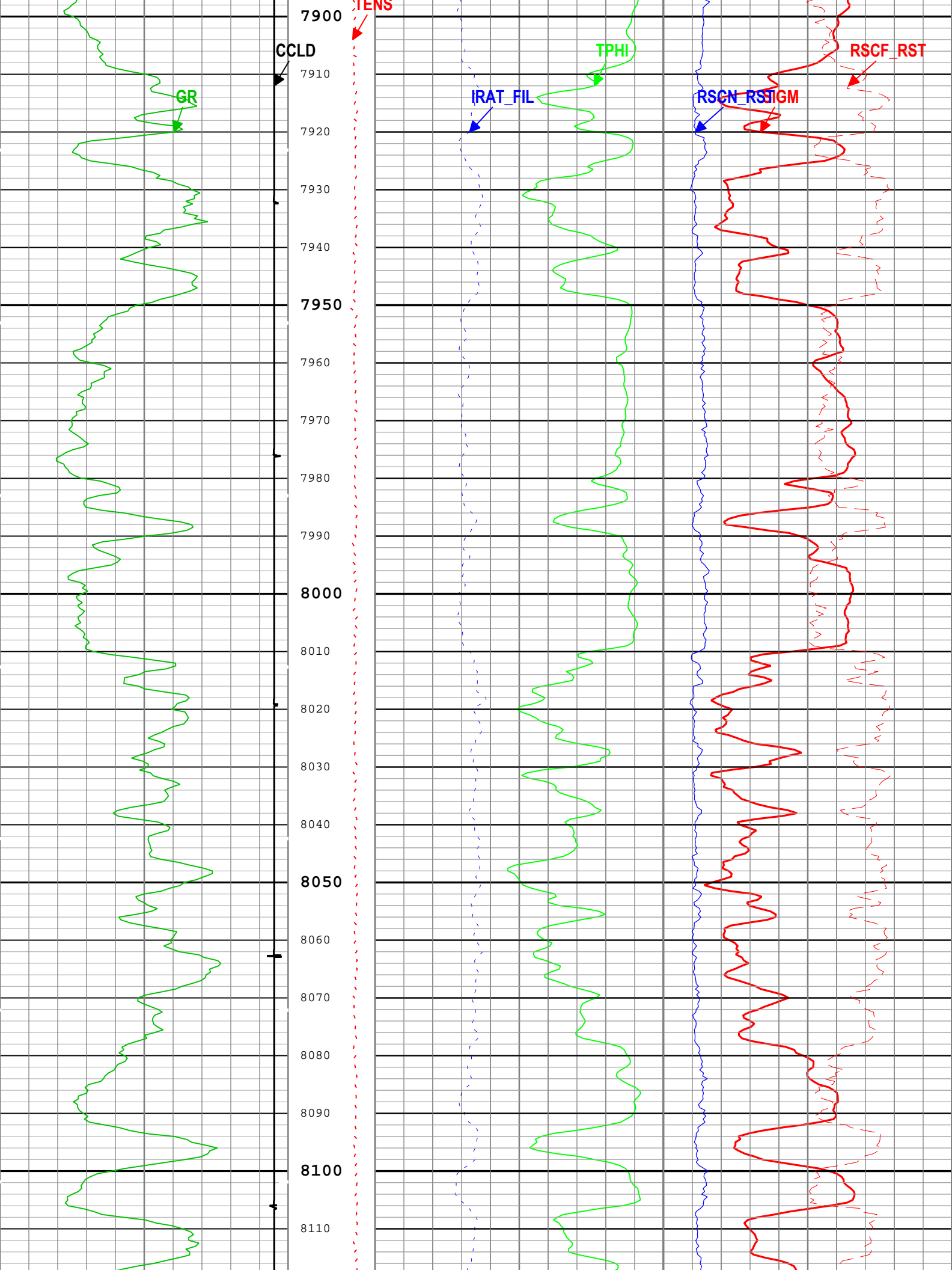


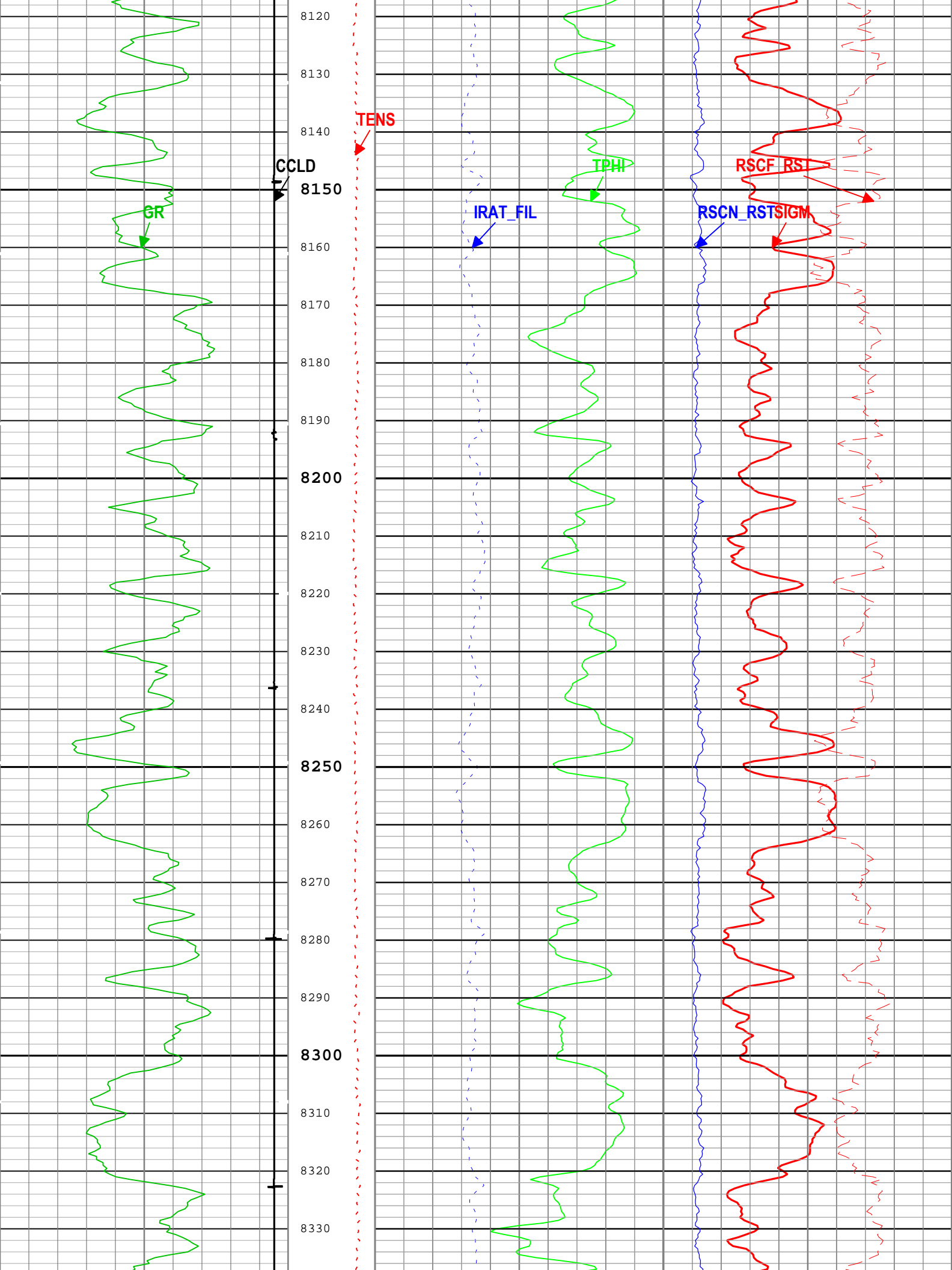


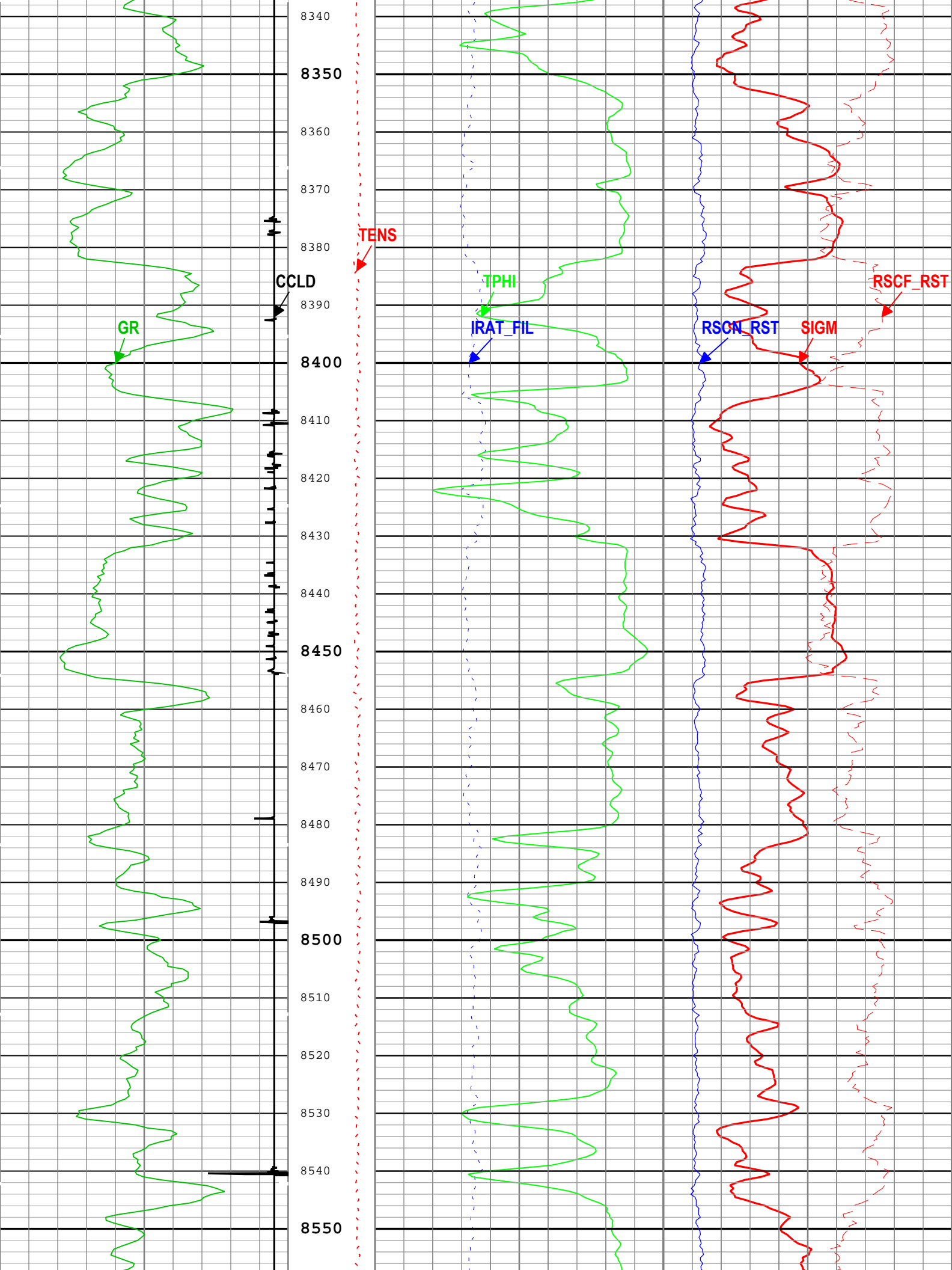




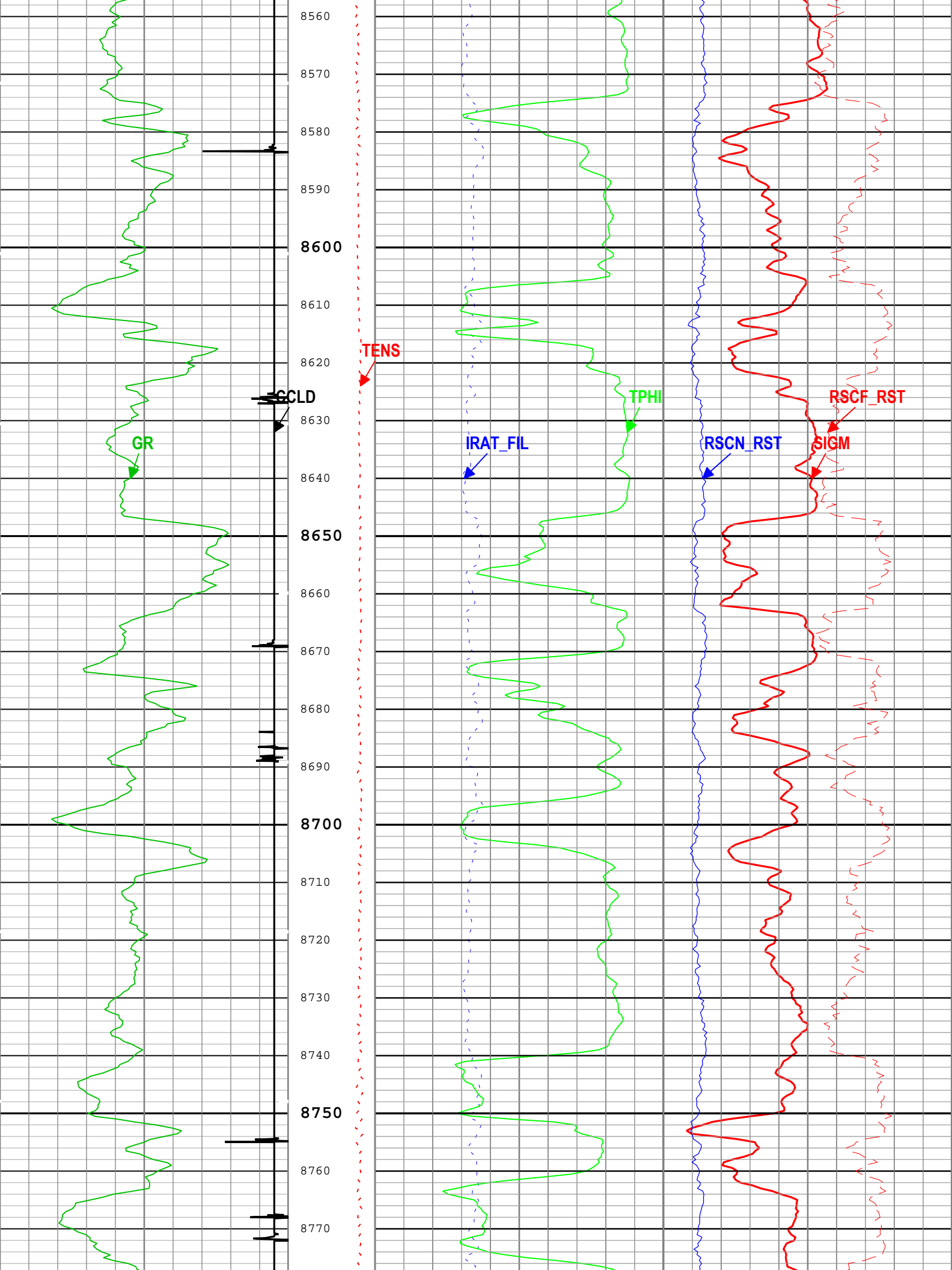


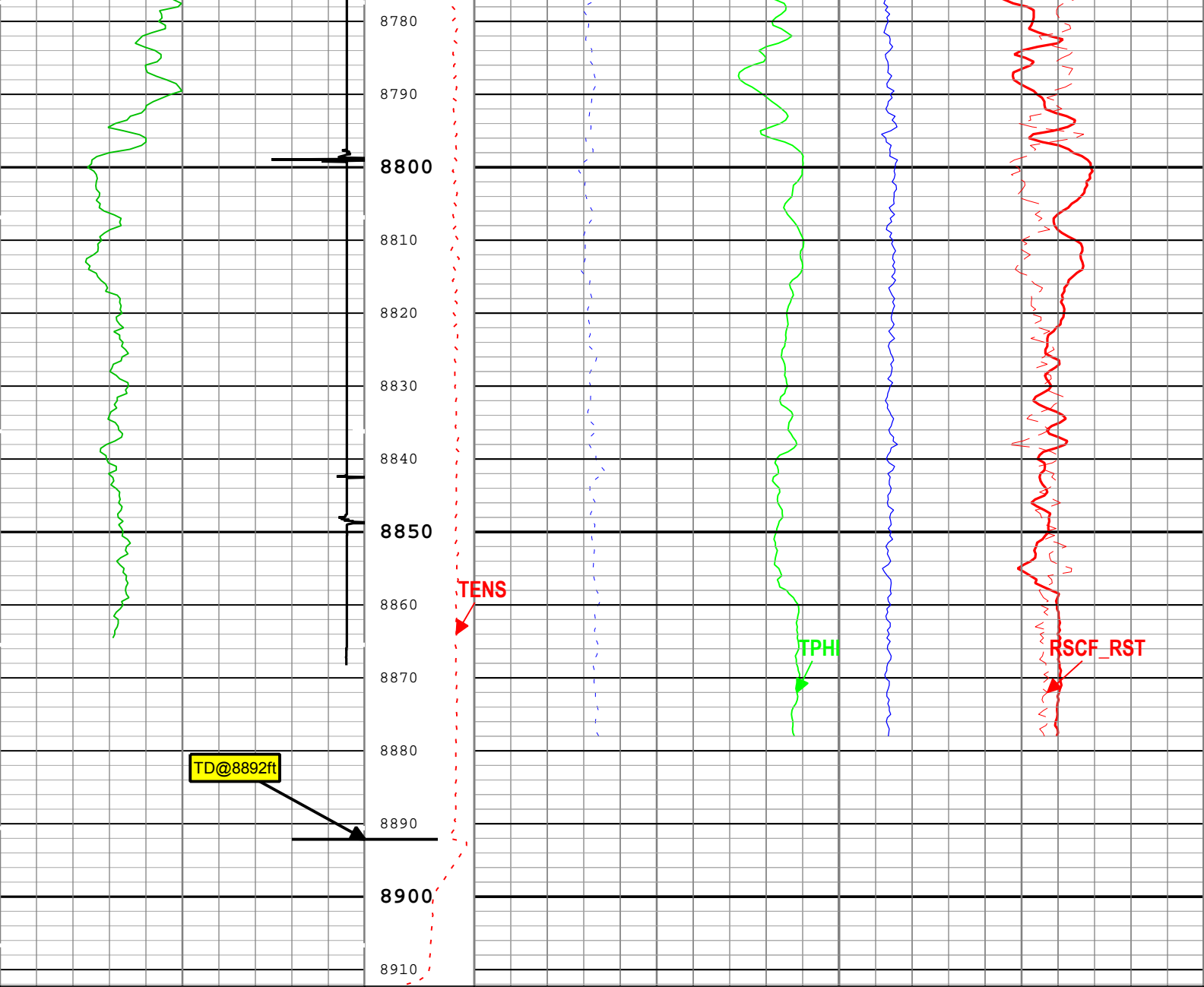












Gamma Ray (GR) PSTP-A			Cable Tension (TENS)	Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C			
0	gAPI	150		60	cu	0	
CCL Discriminated Amplitude (CCLD) PSTP-A				Inelastic Ratio Filtered (IRAT_FIL) RST-C		Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C	
-19	V	1		0.75	0	0	100
				Thermal Decay Porosity (TPHI) RST-C		Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C	
			0.6	ft3/ft3	0	45	0

—ICV - Integrated Cement Volume every 100.00 (ft3)  
—TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)  
—ICV - Integrated Cement Volume every 10.00 (ft3)  
TIME\_1900 - Time Marked every 60.00 (s)  
—IHV - Integrated Hole Volume every 100.00 (ft3)  
—IHV - Integrated Hole Volume every 10.00 (ft3)

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: 09-May-2018 10:44:48

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	

Parameter	Value	Start ( ft )	Stop ( ft )
BS	14.75	2300	2522
BS	8.75	2522	8912.24

Tool Control Parameters	
-------------------------	--

Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	Time Zoned	
RST_DLM	Depth Log Mode	RST-C	Sigma	

Parameter	Value	Start Time	Stop Time	Start Depth ( ft )	Stop Depth ( ft )
PCCG	24 dB	08-May-2018 10:16:57	08-May-2018 10:23:40	8912.24	8816.39
PCCG	36 dB	08-May-2018 10:23:40	08-May-2018 10:26:51	8816.39	8722.78
PCCG	24 dB	08-May-2018 10:26:51	08-May-2018 10:37:12	8722.78	8418.47
PCCG	0 dB	08-May-2018 10:37:12	08-May-2018 14:11:23	8418.47	2158.69

One

Repeat Sigma Pass

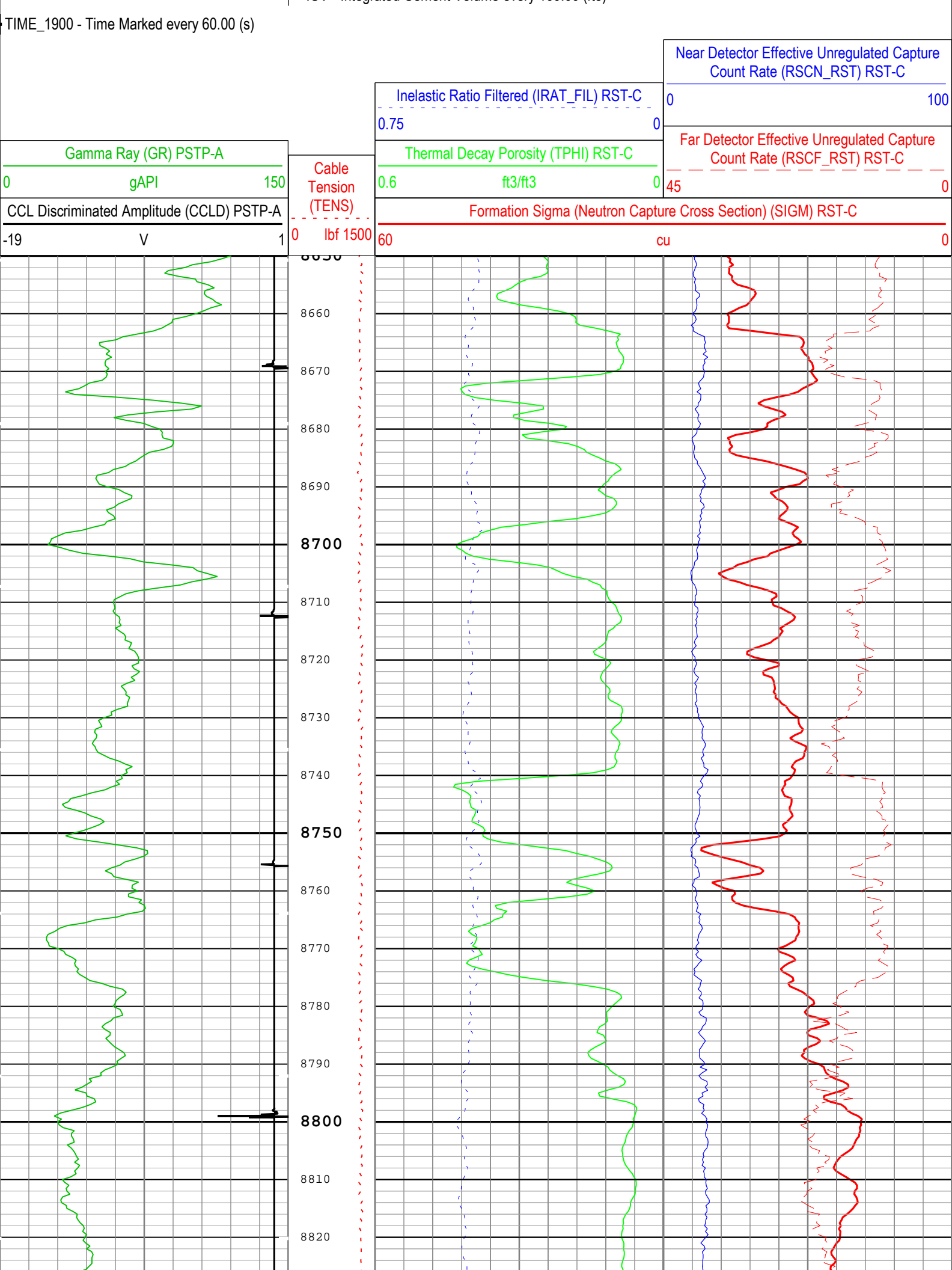
Acquisition System	Version
Maxwell 2018	8.0.95333.3100
Application Patch	Wireline_NPD-PNX-2018CMZ_8.0.97346

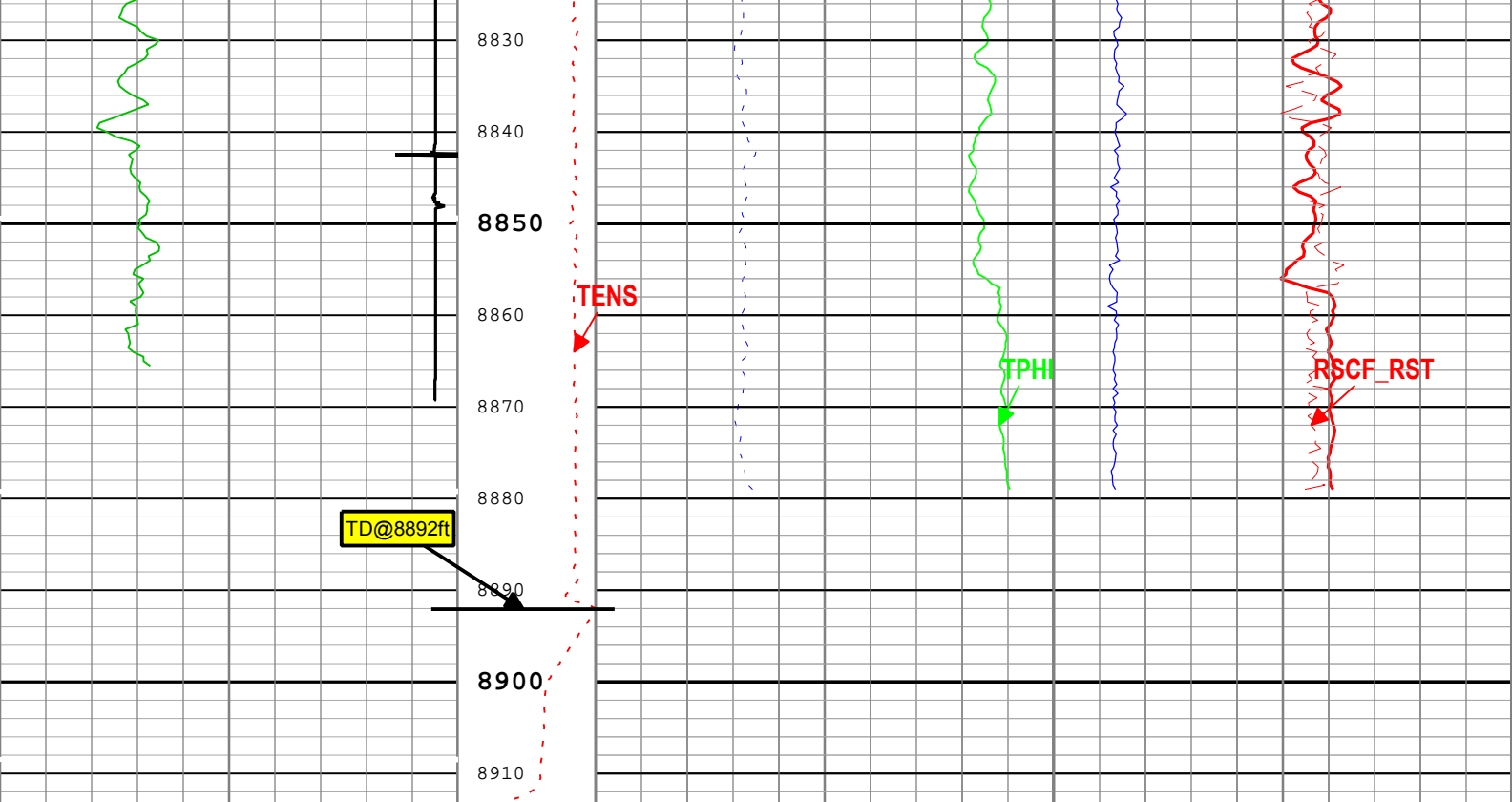
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[5]:Up	Up	8640.37 ft	8913.28 ft	08-May-2018 09:59:48	08-May-2018 10:10:57	ON	7.81 ft	No

Log Company:Caerus Operating LLC Well:Puckett 11D-26-697

One: Log[5]:Up:S009  
 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: 09-May-2018 10:44:54

— ICV - Integrated Cement Volume every 100.00 (ft3)





Gamma Ray (GR) PSTP-A			Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C		
0	gAPI	150	60	cu	0
CCL Discriminated Amplitude (CCLD) PSTP-A			Inelastic Ratio Filtered (IRAT_FIL) RST-C	Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C	
-19	V	1	0.75	0	100
			Thermal Decay Porosity (TPHI) RST-C	Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C	
			0.6 ft3/ft3	45	0

TIME\_1900 - Time Marked every 60.00 (s)

- ICV - Integrated Cement Volume every 100.00 (ft3)
- TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)
- ICV - Integrated Cement Volume every 10.00 (ft3)
- IHV - Integrated Hole Volume every 100.00 (ft3)
- IHV - Integrated Hole Volume every 10.00 (ft3)

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: 09-May-2018 10:44:54

## 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	

## Tool Control Parameters

### One: Parameters

Parameter	Description	Tool	Value	Unit
-----------	-------------	------	-------	------



Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	Time Zoned	
RST_DLM	Depth Log Mode	RST-C	Sigma	

Time Zone Parameters					
Parameter	Value	Start Time	Stop Time	Start Depth ( ft )	Stop Depth ( ft )
PCCG	12 dB	08-May-2018 09:59:48	08-May-2018 10:02:27	8913.28	8865.71
PCCG	24 dB	08-May-2018 10:02:27	08-May-2018 10:10:57	8865.71	8640.37
All depth are at tool zero.					

State: Colorado

Cement Bond Log

RST Sigma Log

Gamma Ray - Collar Locator Log