

Company: Caerus Operating LLC

Well: Puckett 11A-26 697

Field: Grand Valley

County: Garfield State: Colorado

Cement Bond Log  
RST Sigma Log  
Gamma Ray/ Collar LogCounty: Garfield  
Field: Grand Valley  
Location: Lat 39.30°07.76" N Long 108.11° 18.38"W  
Well: Puckett 11A-26 697  
Company: Caerus Operating LLC

Location:	Lat 39.30°07.76" N Long 108.11° 18.38"W		Elev.: K.B. 8462.00 ft G.L. 8432.00 ft D.F. 8462.00 ft	
	Permanent Datum:	Ground Level	Elev.: 8432.00 f	
	Log Measured From:	Kelly Bushing	30.00 ft above Perm.Datum	
	Drilling Measured From:	Kelly Bushing		
API Serial No.	Section:	Township:	Range:	
5045233950000	23	6S	97W	

Logging Date 22-Dec-2017

Run Number One

Depth Driller 9216.00 ft

Schlumberger Depth 9206.00 ft

Bottom Log Interval 9206.00 ft

Top Log Interval 2500.00 ft

Casing Fluid Type Water

Salinity

Density 8.6 lbm/gal

Fluid Level 8.00 ft

BIT/CASING/TUBING STRING

Bit Size 8.75 in

From 30.00 ft

To 9216.00 ft

Casing/Tubing Size 4.5 in

Weight 11.6 lbm/ft

Grade P110

From 30.00 ft

To 9216.00 ft

Max Recorded Temperatures 234 degF

Logger on Bottom 30-Dec-1899

Unit Number 3003

Recorded By Beatriz Guaita

Witnessed By Ryan Tompkins

## 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
- One CBL Main Pass
  - Integration Summary
  - Software Version
  - Composite Summary
  - Log ( SCMT\_Amp\_VDL )
  - Parameter Listing
- One CBL Repeat Pass
  - Integration Summary
  - Software Version
  - Composite Summary
  - Log ( SCMT\_Amp\_VDL )

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

8.5 Parameter Listing

9. One CBL Free Pipe

9.1 Integration Summary

9.2 Software Version

9.3 Composite Summary

9.4 Log ( SCMT\_Amp\_VDL )

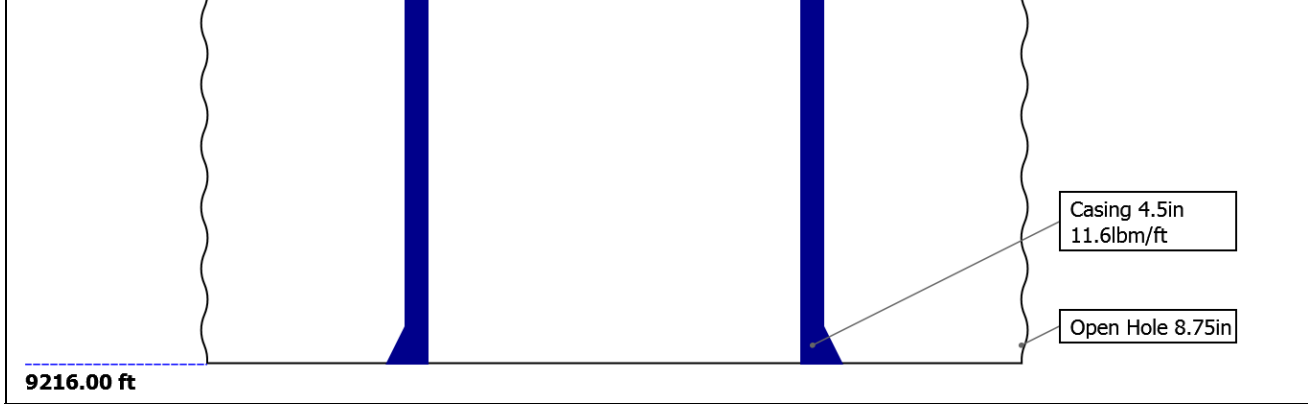
9.5 Parameter Listing

## Well Sketch

**Driller Depth**

**30.00 ft**



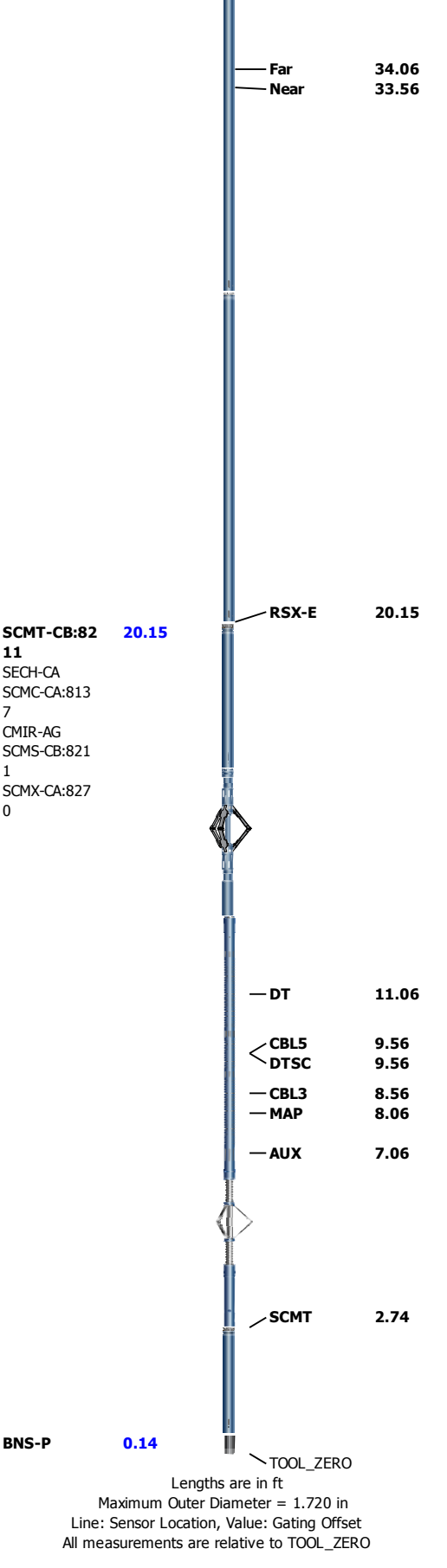


## Borehole Size/Casing/Tubing Record

Bit						
Bit Size ( in )	8.75					
Top Driller ( ft )	30					
Top Logger ( ft )	30					
Bottom Driller ( ft )	9216					
Bottom Logger ( ft )	9216					
Casing						
Size ( in )	4.5					
Weight ( lbm/ft )	11.6					
Inner Diameter ( in )	4					
Grade	P110					
Top Driller ( ft )	30					
Top Logger ( ft )	30					
Bottom Driller ( ft )	9216					
Bottom Logger ( ft )	9216					

## 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-EF</b>	<b>54.08</b>			Max Temp of 234 DegF.		
				Max Pressure 3815 psi.		
<b>AH-38</b>	<b>51.72</b>			Log Correlated with the Down Log.		
<b>PSTP-A:3823</b>	<b>51.44</b>			TD tagged at 9206ft.		
PSC-A:3733		GR	47.74	Short Joints at 6820'-6830'		
PSTC-A:3733		PSTC	47.44	TOC @2500'		
PBMS-A:3823		PSTC Tool String Bottom	0.00			
Sapphire 10kP SI		Temperature	44.65			
		Sapphire Pressure	44.54			
		CCL	43.92			
		PBMS	43.17			
<b>RST-C:309</b>	<b>43.17</b>					
RSCH-A:277						
RSC-E:277						
RSS-A:373						
MNTR-F						
RSXH-A:309						
RSX-E:309						
		RSC-E	36.82			



One	
CBL Main Pass	
Software Version	
Acquisition System	Version
Maxwell 2017 SP3	7.3.92069.3100

# Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[6]:Up	Up	2416.63 ft	9222.26 ft	22-Dec-2017 3:39:52 AM	22-Dec-2017 5:55:24 AM	ON	6.36 ft	Yes

All depths are referenced to toolstring zero

## Log

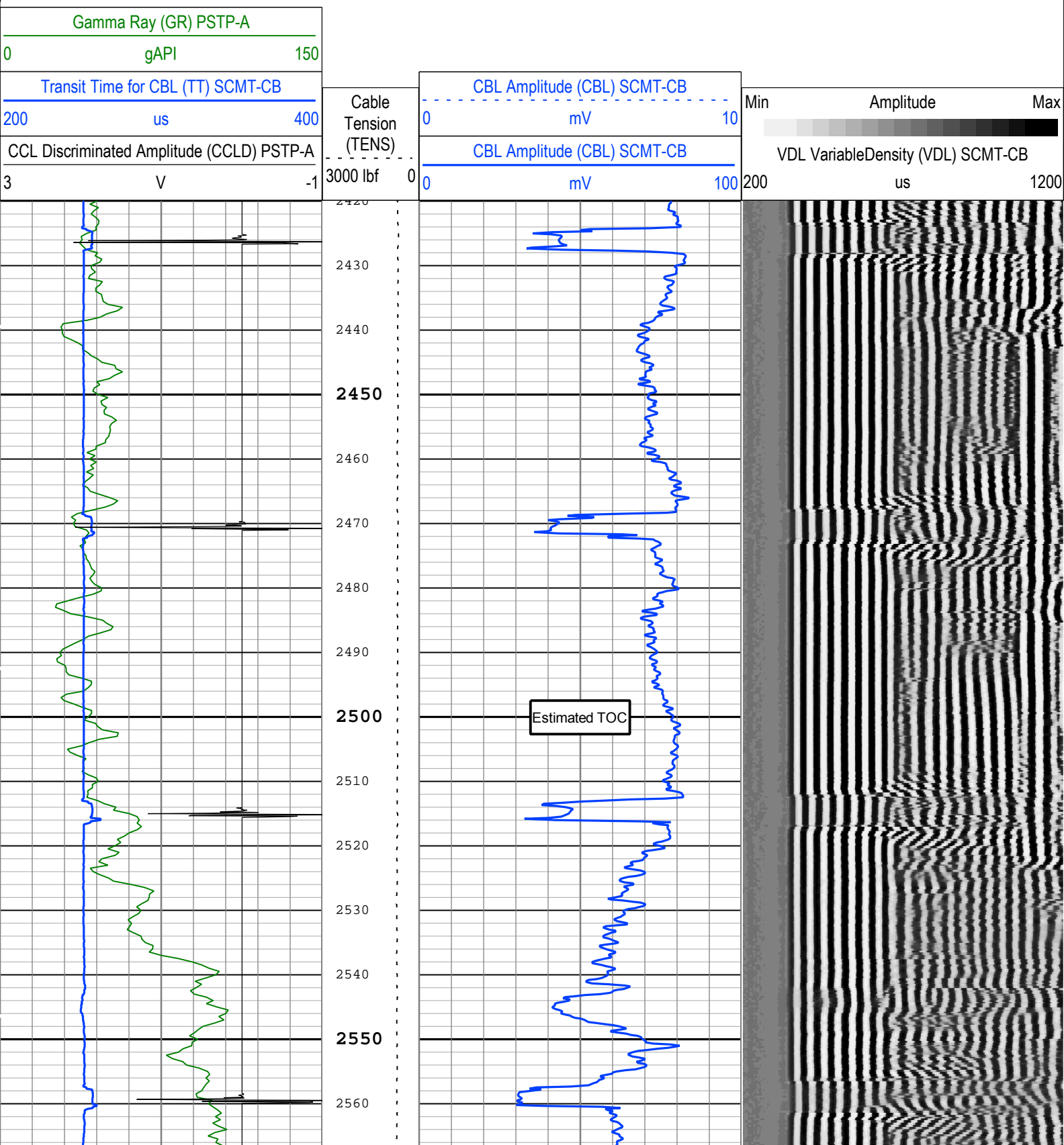
Company:Caerus Operating LLC

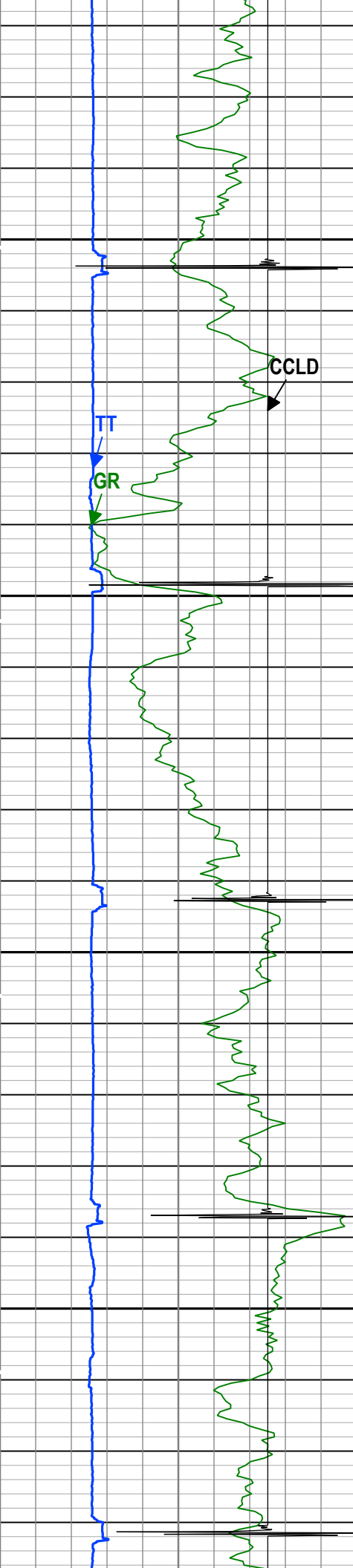
Well:Puckett 11A-26 697

One: Log[6]:Up:S006

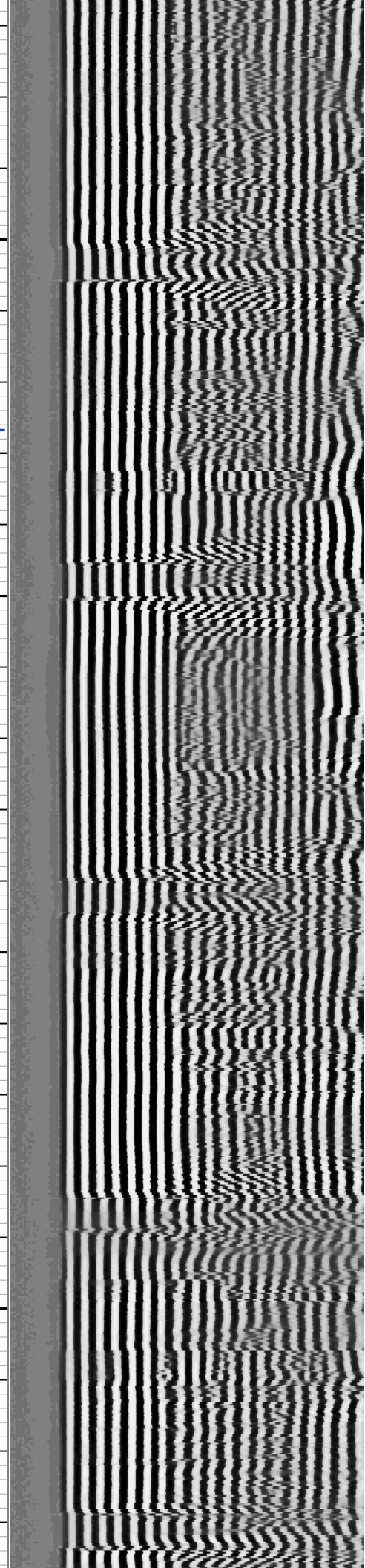
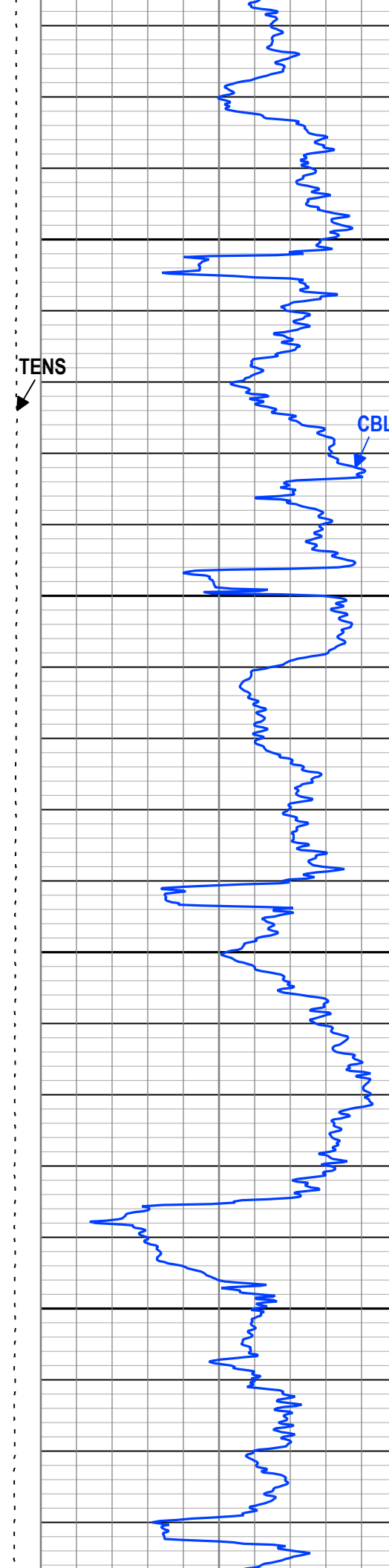
Description: SCMT Amplitudes and VDL Format: Log ( SCMT\_Amp\_VDL ) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth  
Creation Date: 22-Dec-2017 06:24:13

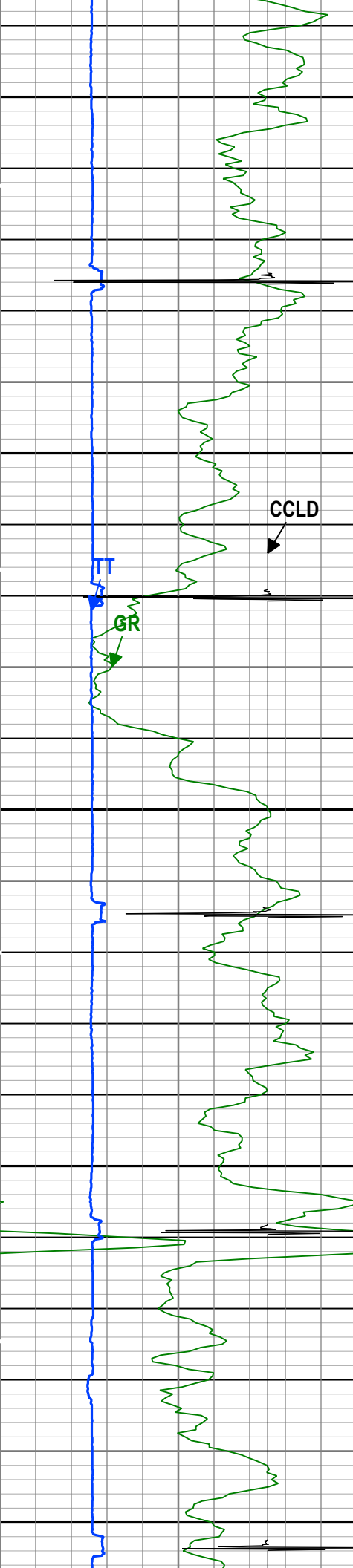
TIME\_1900 - Time Marked every 60.00 (s)





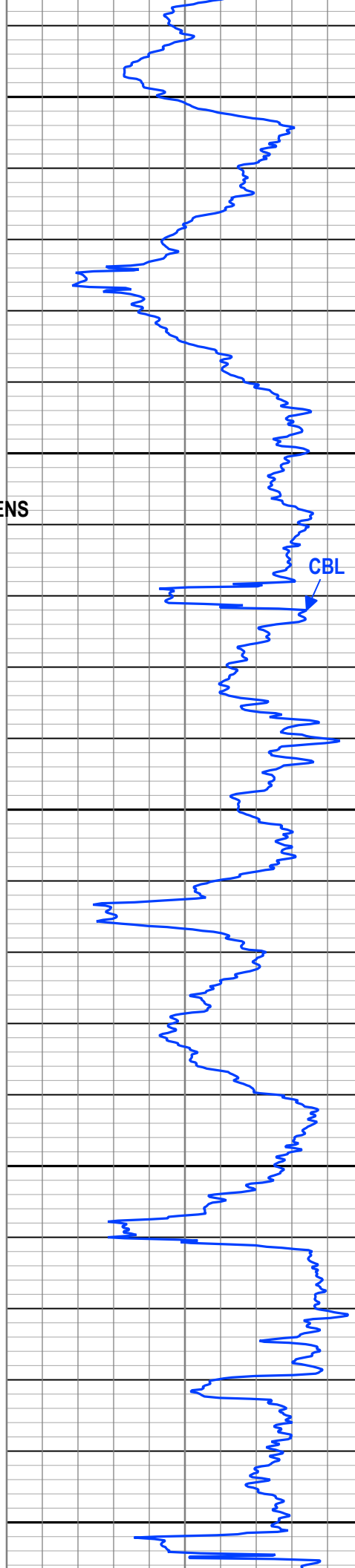
2570  
2580  
2590  
2600  
2610  
2620  
2630  
2640  
2650  
2660  
2670  
2680  
2690  
2700  
2710  
2720  
2730  
2740  
2750  
2760  
2770  
2780



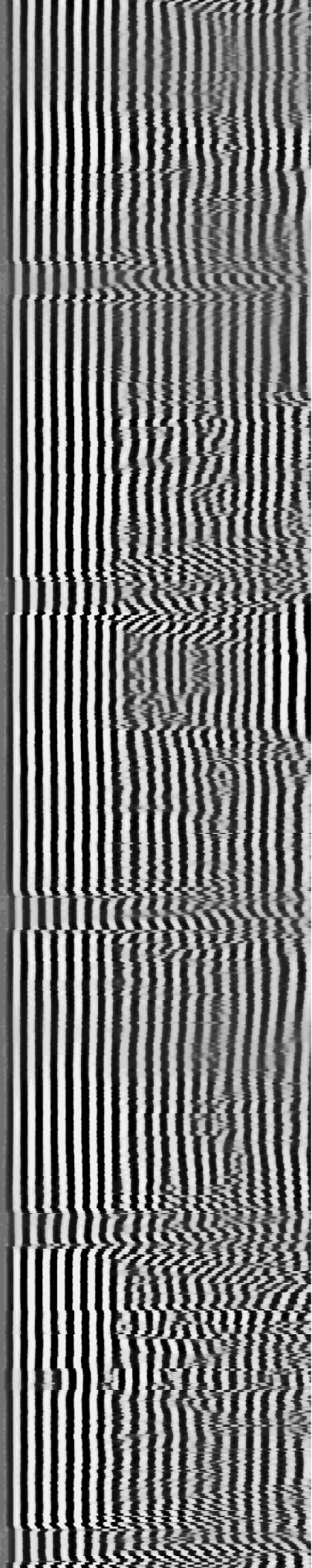


2790  
2800  
2810  
2820  
2830  
2840  
2850  
2860  
2870  
2880  
2890  
2900  
2910  
2920  
2930  
2940  
2950  
2960  
2970  
2980  
2990  
3000

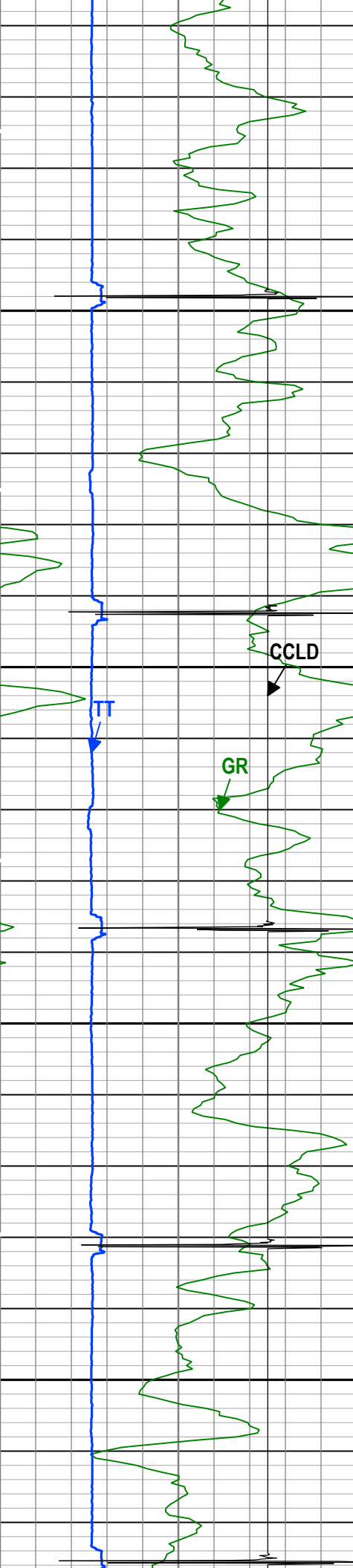
TENS



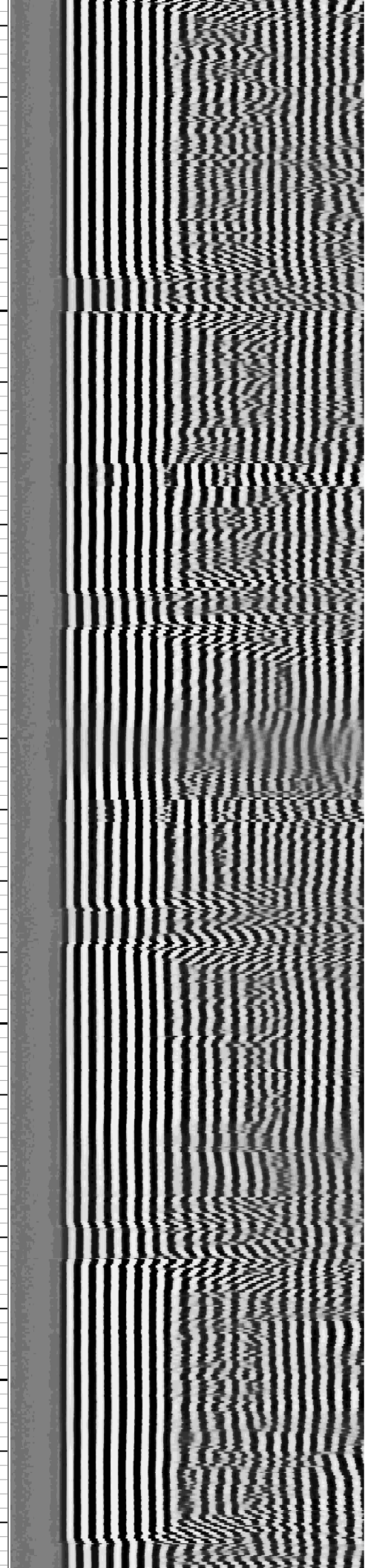
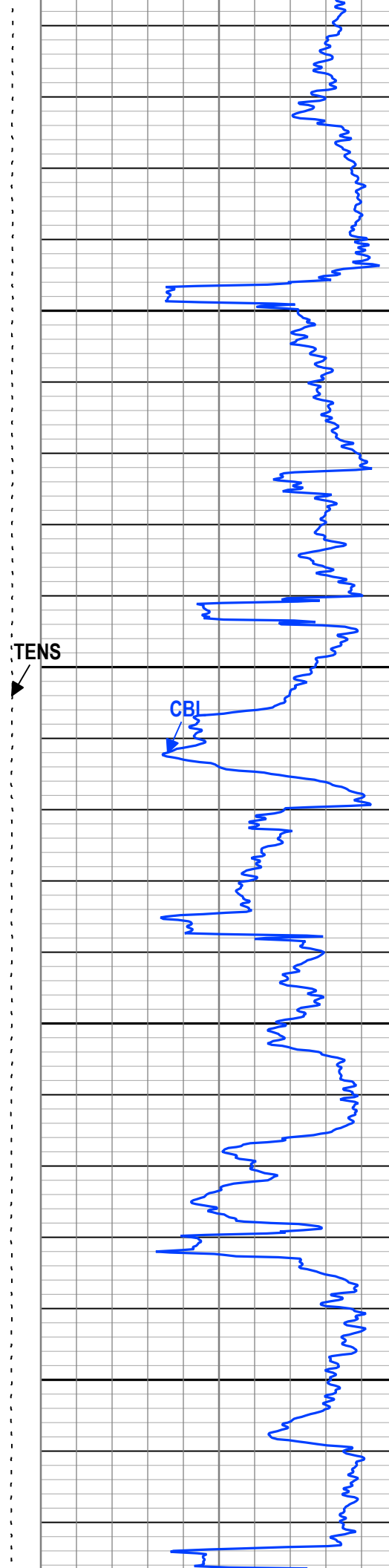
CBL



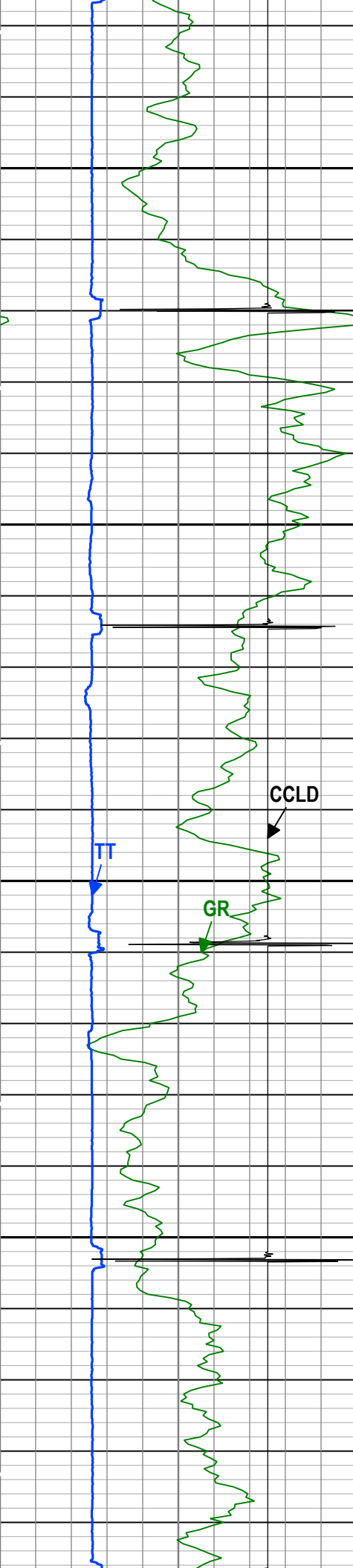




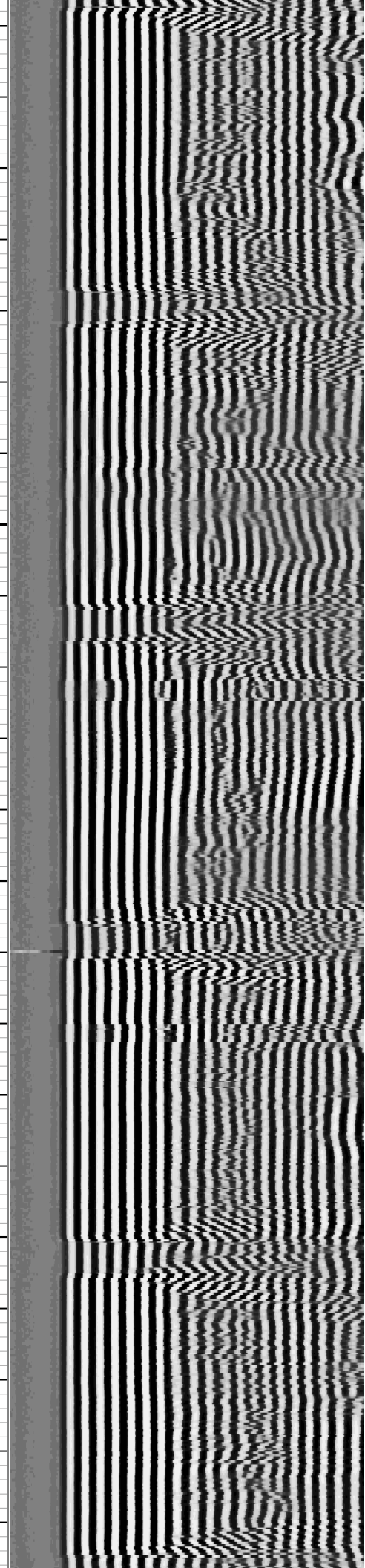
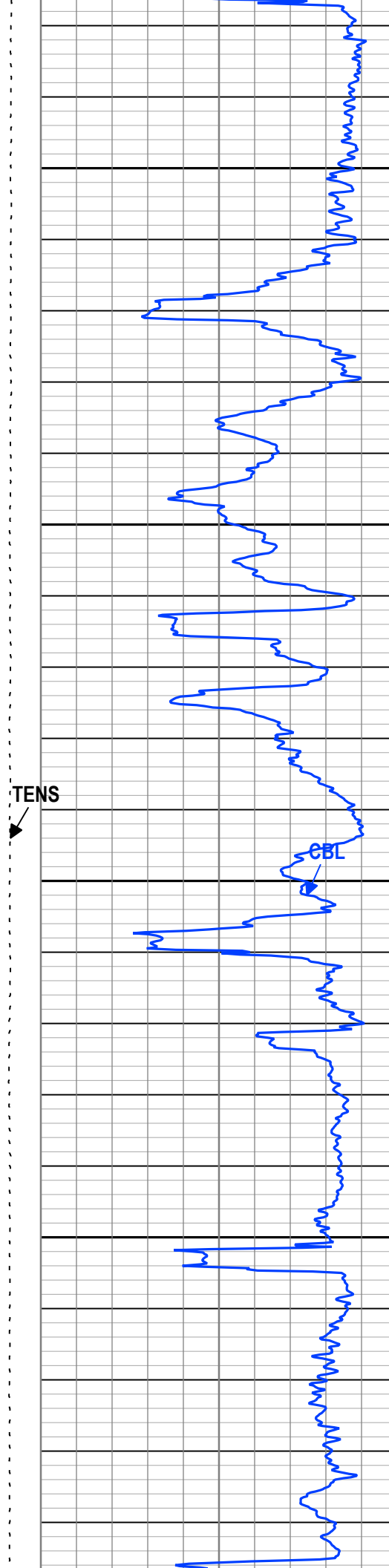
3010  
3020  
3030  
3040  
3050  
3060  
3070  
3080  
3090  
3100  
3110  
3120  
3130  
3140  
3150  
3160  
3170  
3180  
3190  
3200  
3210  
3220

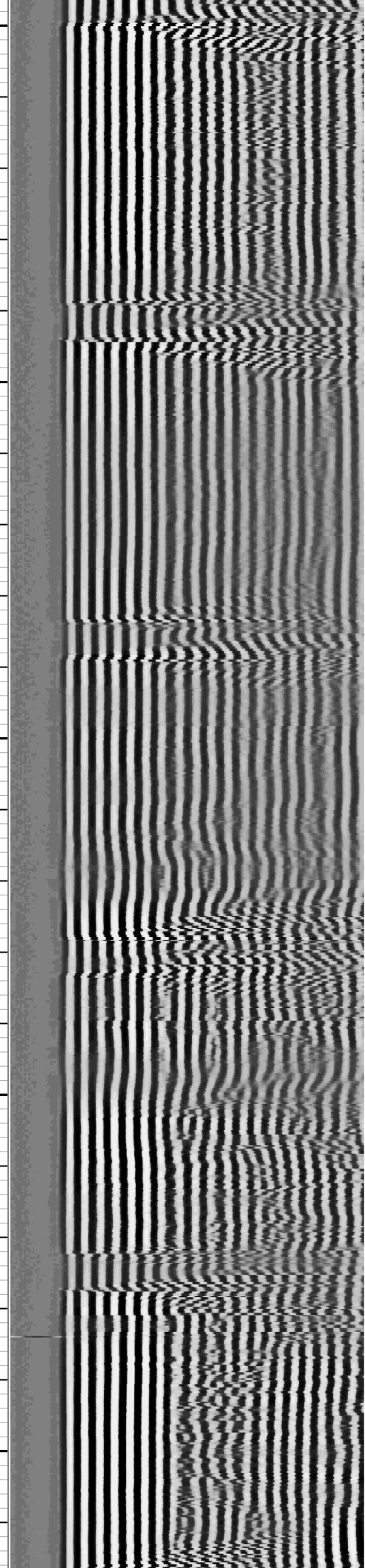
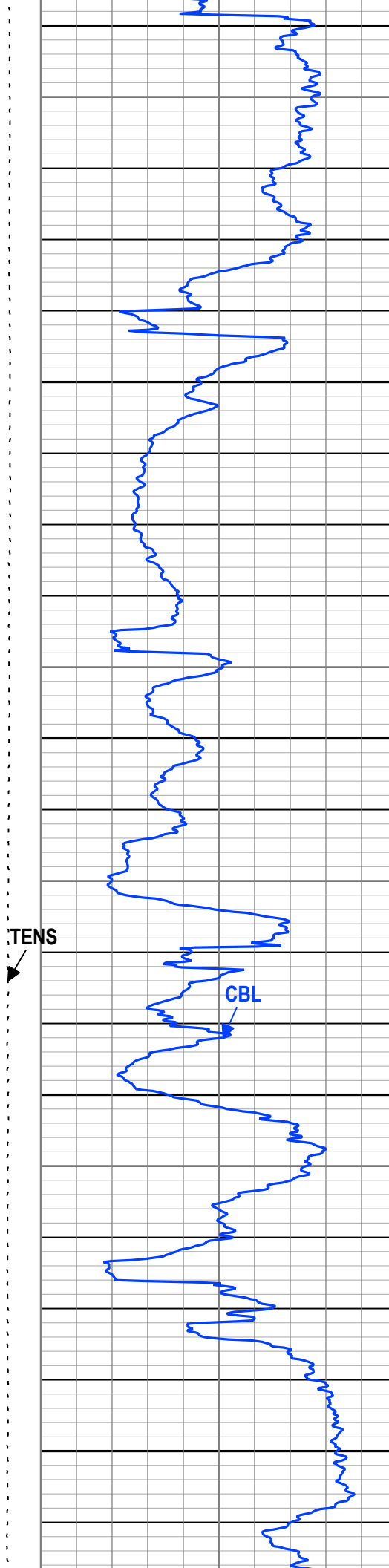
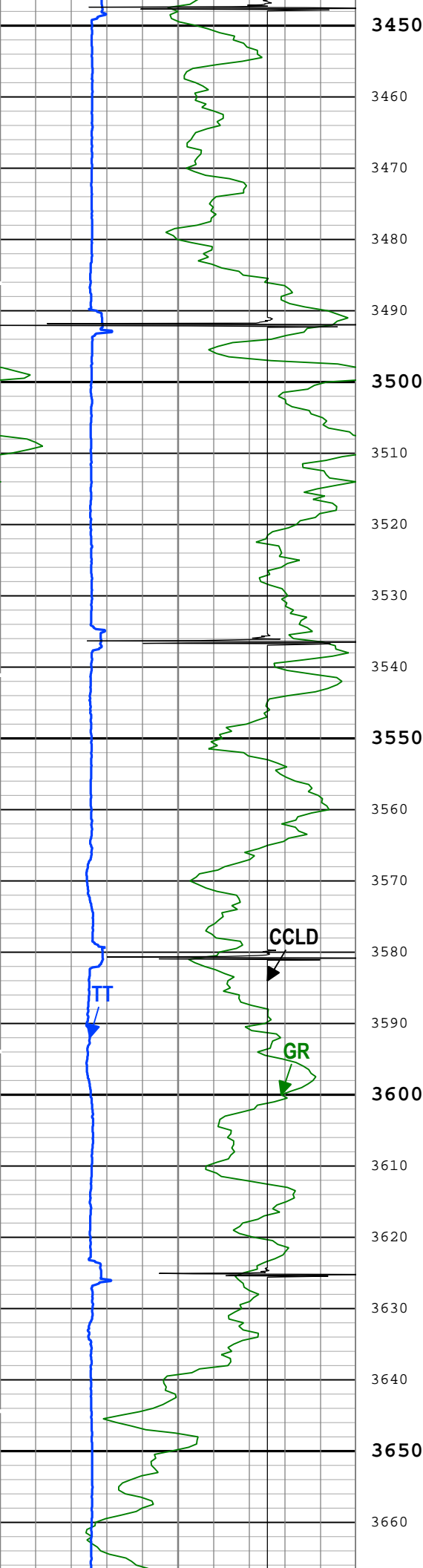






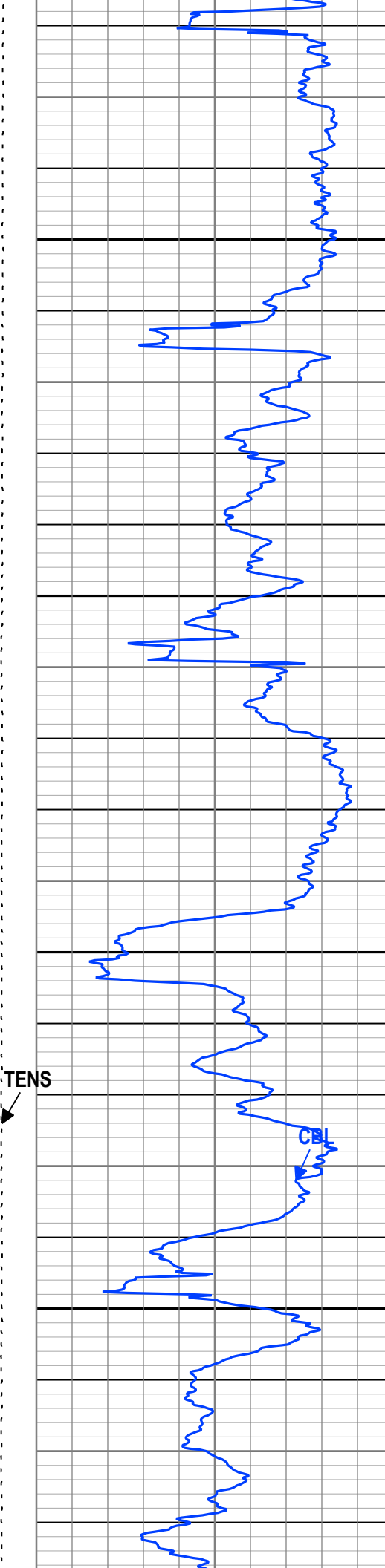
3230  
3240  
3250  
3260  
3270  
3280  
3290  
3300  
3310  
3320  
3330  
3340  
3350  
3360  
3370  
3380  
3390  
3400  
3410  
3420  
3430  
3440

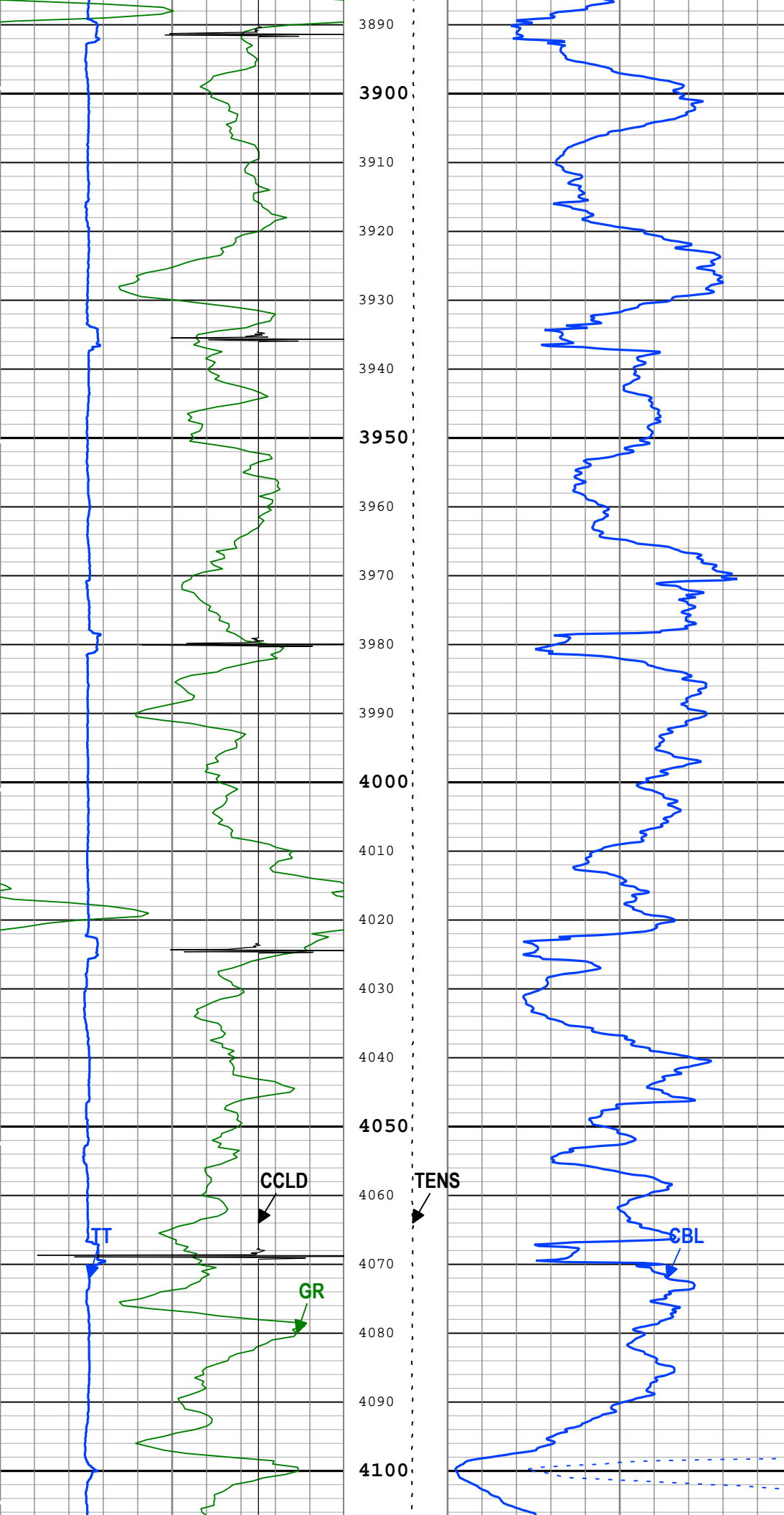




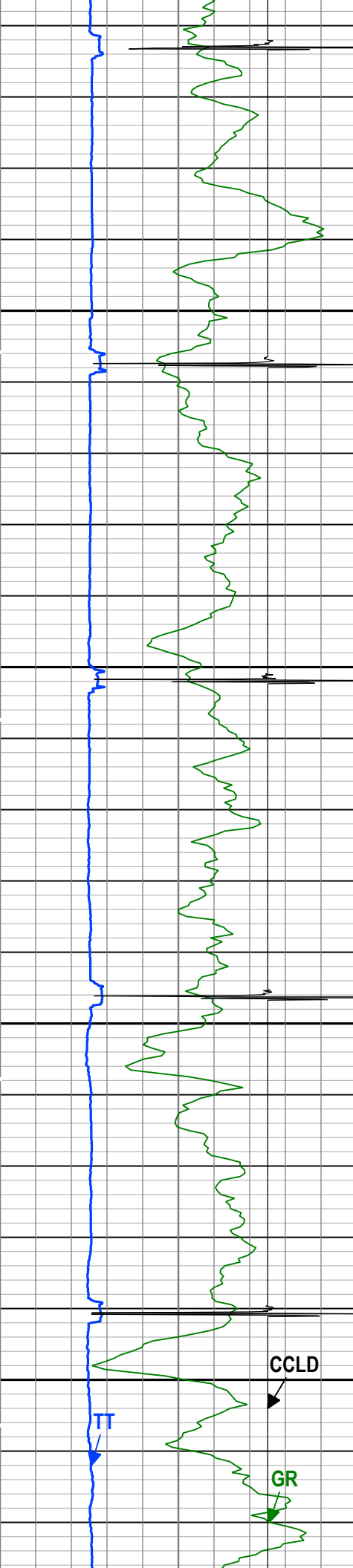


3670  
3680  
3690  
3700  
3710  
3720  
3730  
3740  
3750  
3760  
3770  
3780  
3790  
3800  
3810  
3820  
3830  
3840  
3850  
3860  
3870  
3880

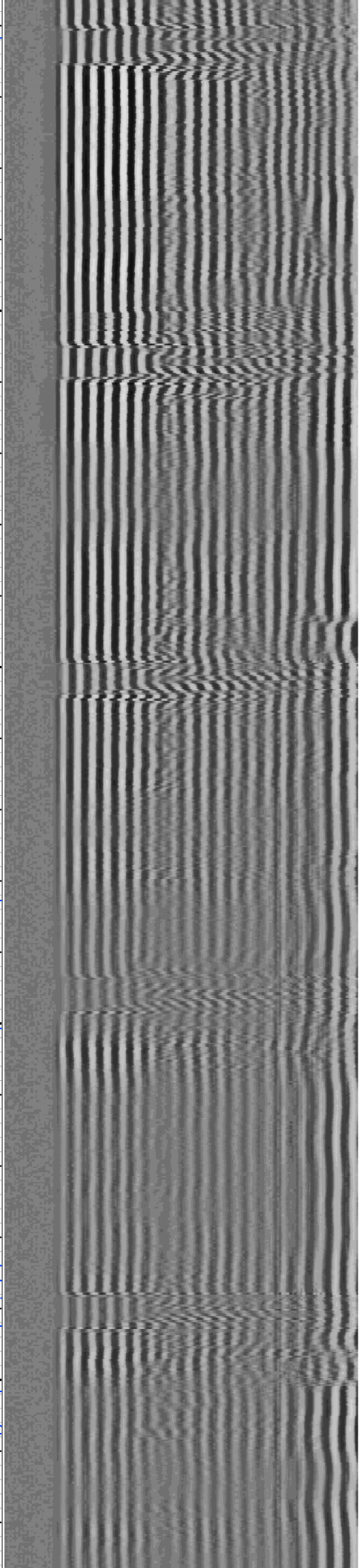
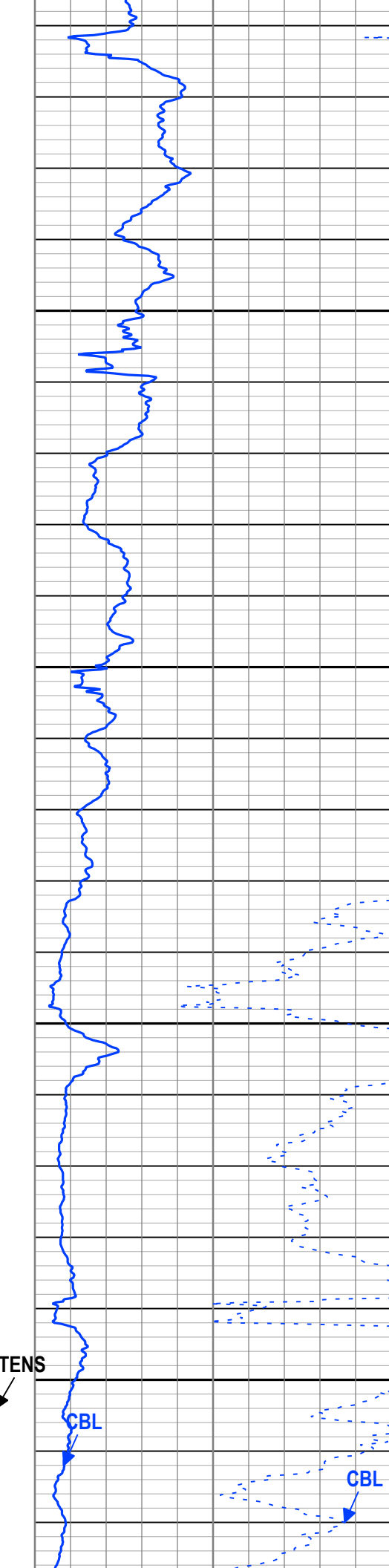






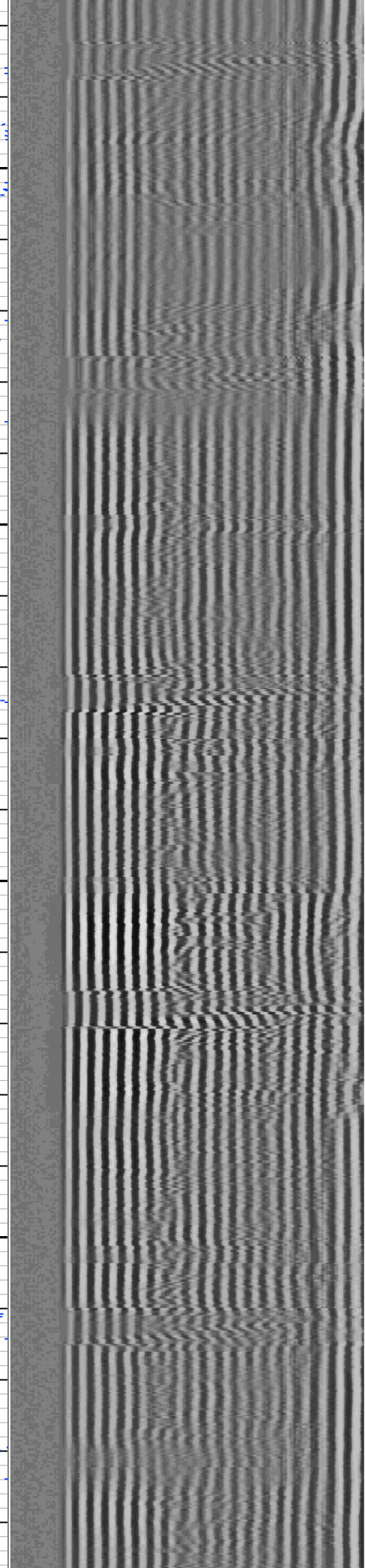
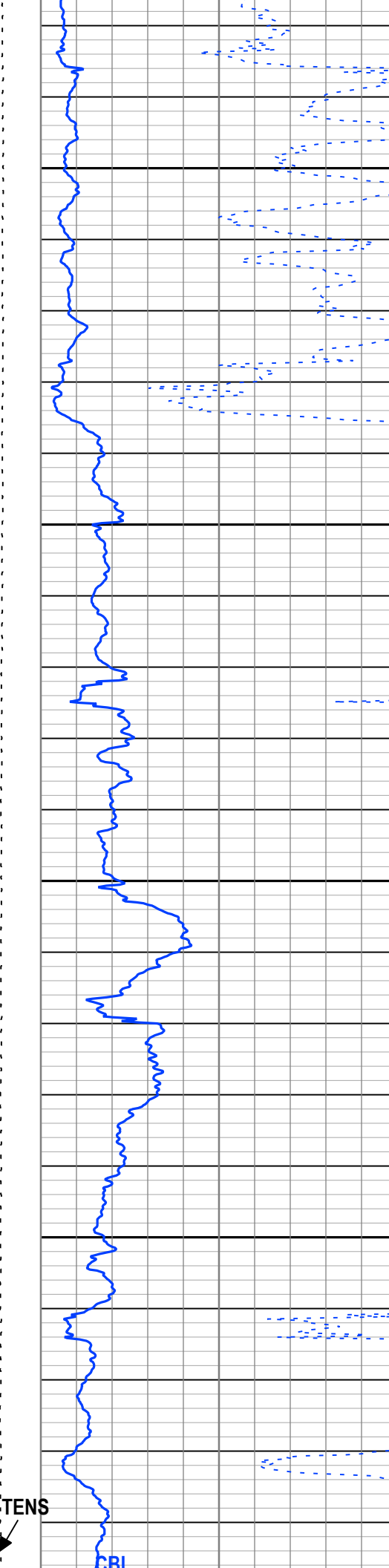


4110  
4120  
4130  
4140  
4150  
4160  
4170  
4180  
4190  
4200  
4210  
4220  
4230  
4240  
4250  
4260  
4270  
4280  
4290  
4300  
4310  
4320





4330  
4340  
4350  
4360  
4370  
4380  
4390  
4400  
4410  
4420  
4430  
4440  
4450  
4460  
4470  
4480  
4490  
4500  
4510  
4520  
4530  
4540

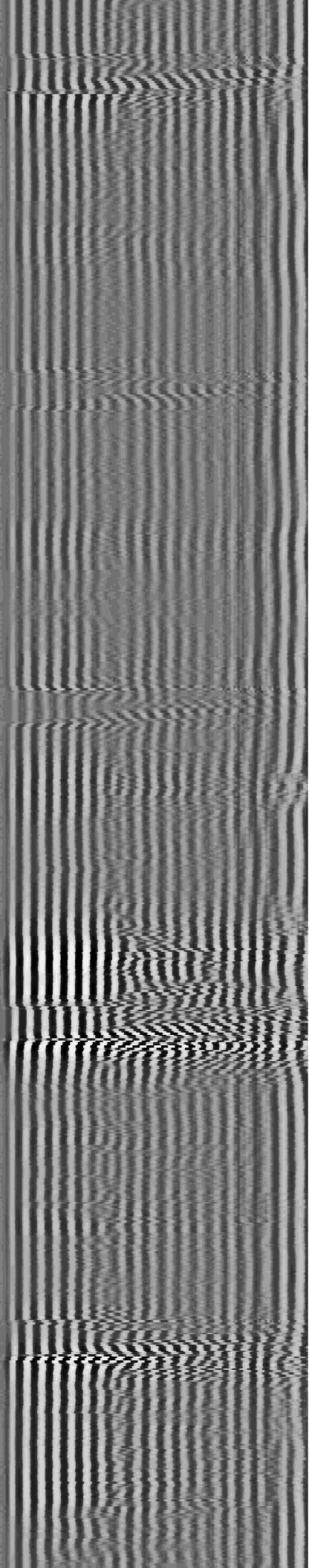
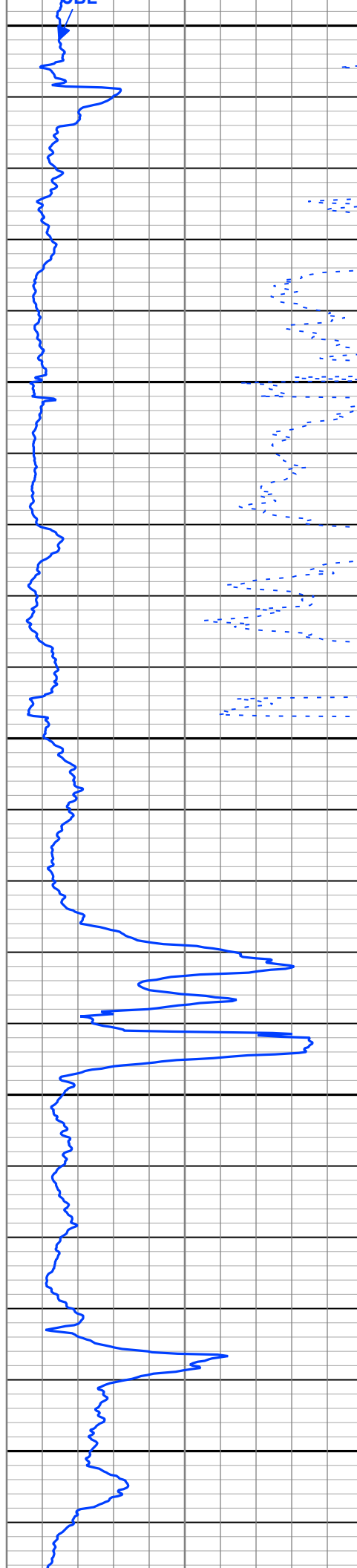
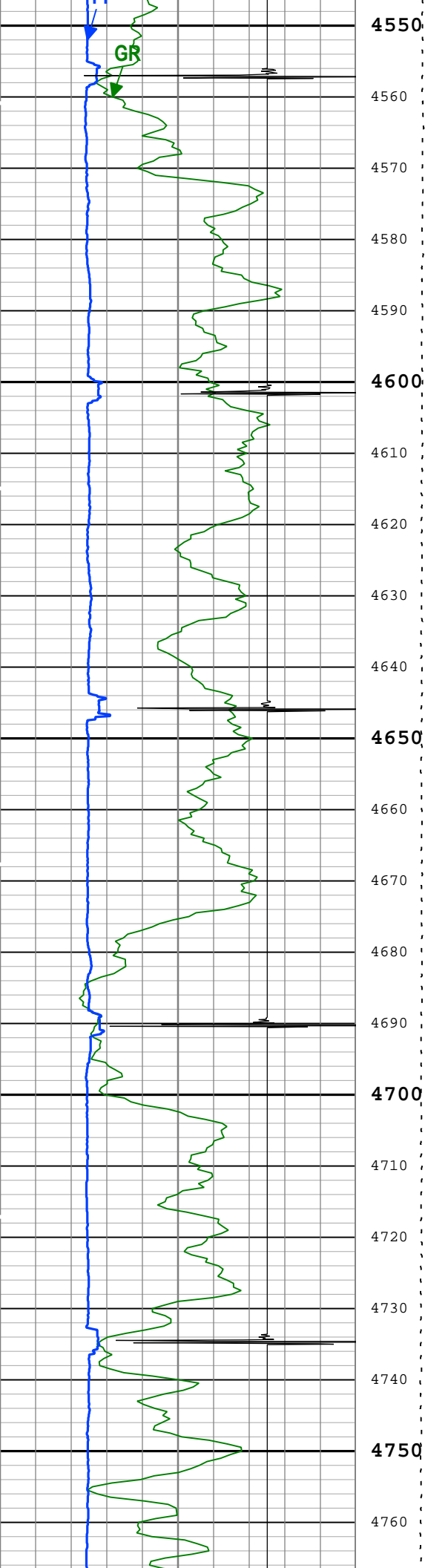


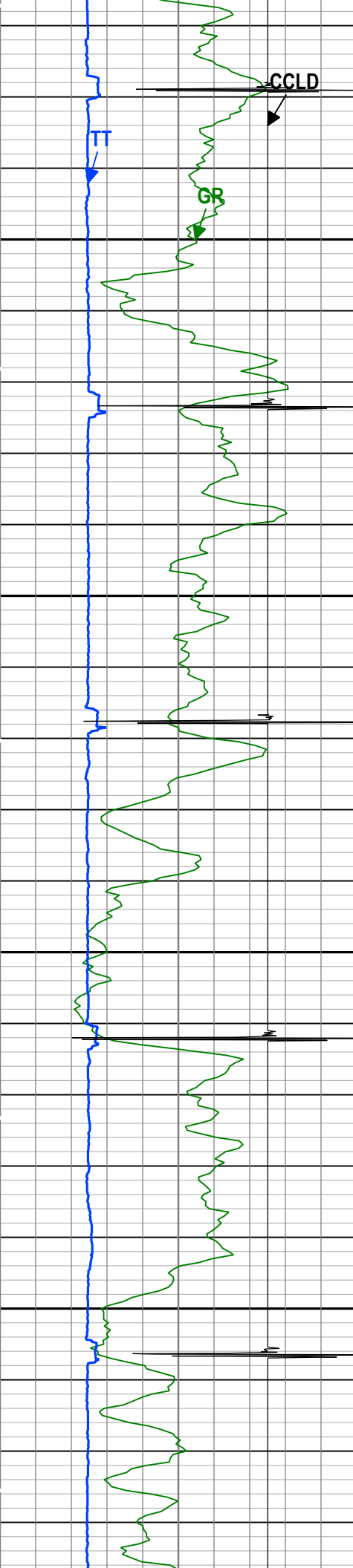
CCLD

TENS

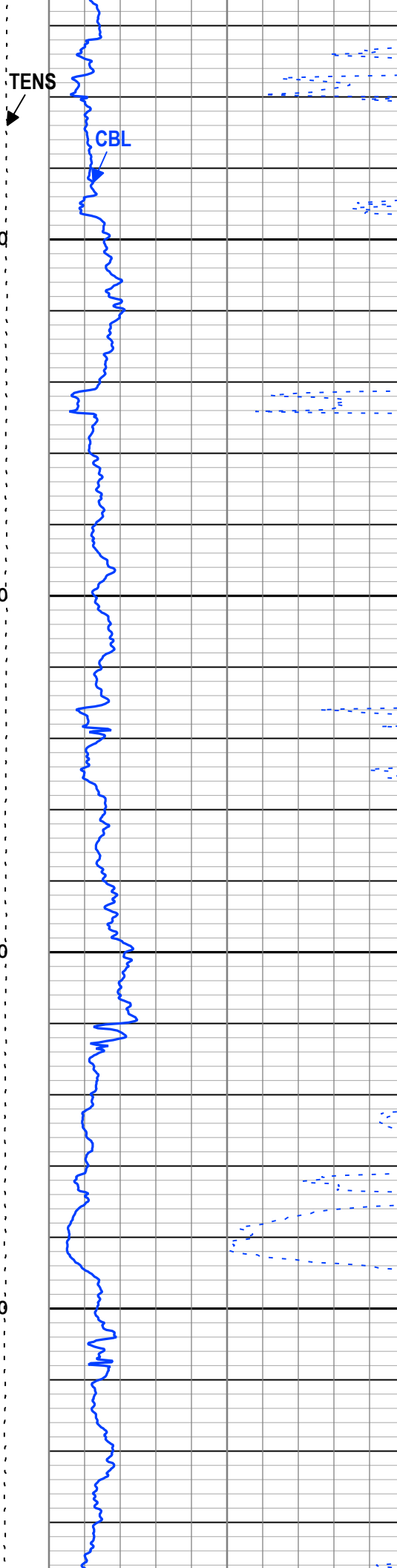
CRI

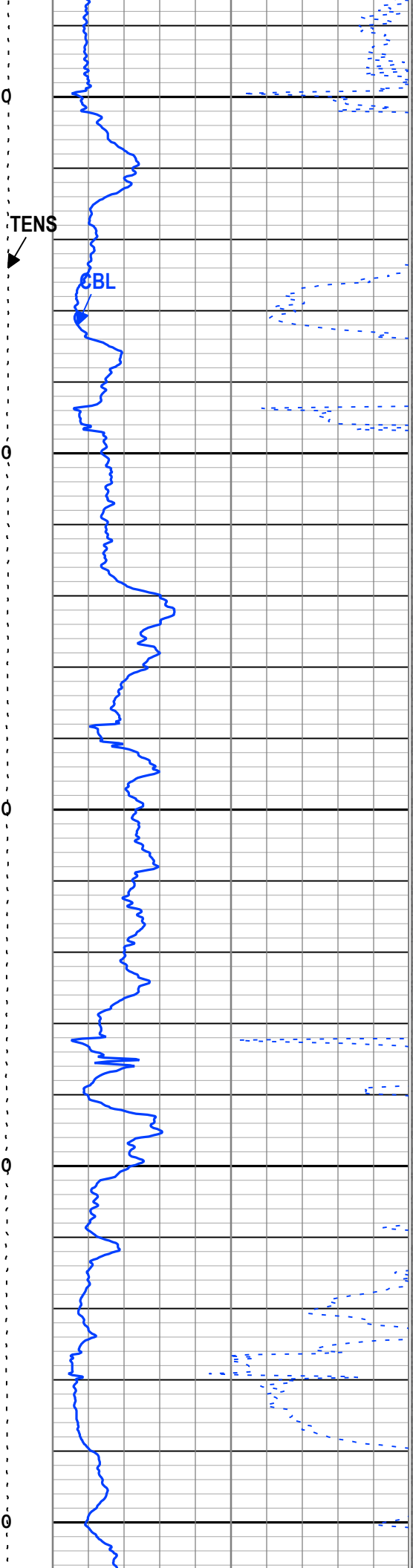
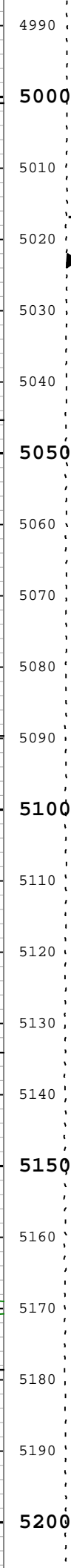
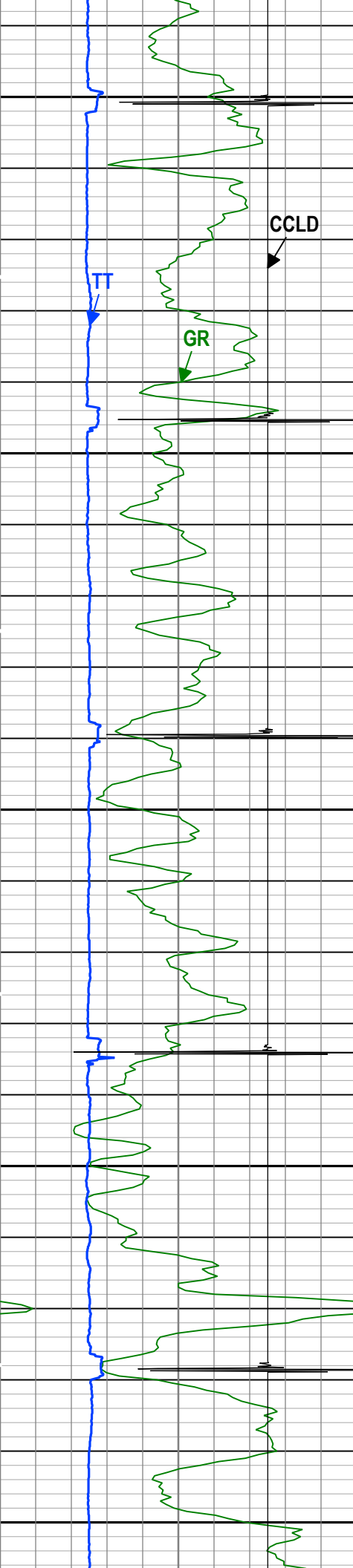


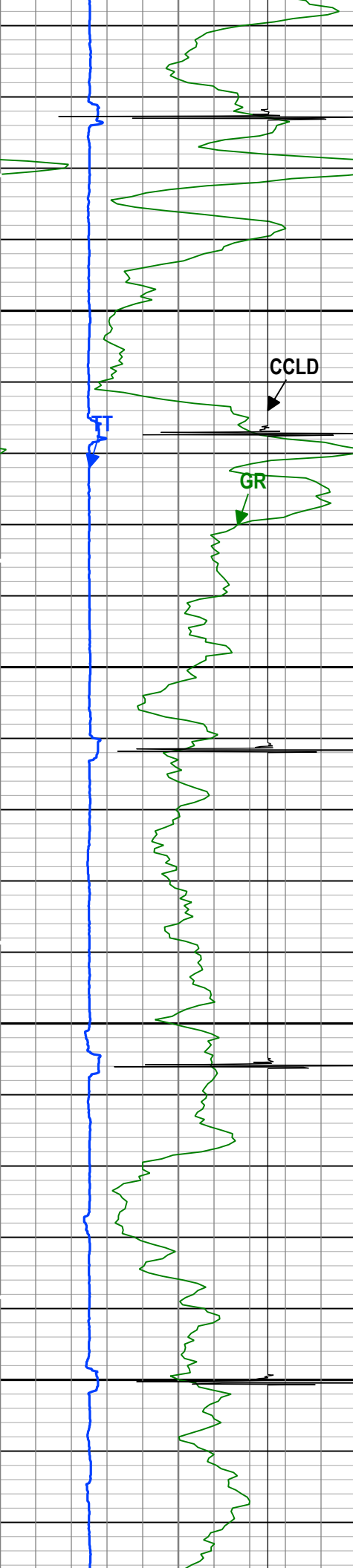




4770  
4780  
4790  
4800  
4810  
4820  
4830  
4840  
4850  
4860  
4870  
4880  
4890  
4900  
4910  
4920  
4930  
4940  
4950  
4960  
4970  
4980



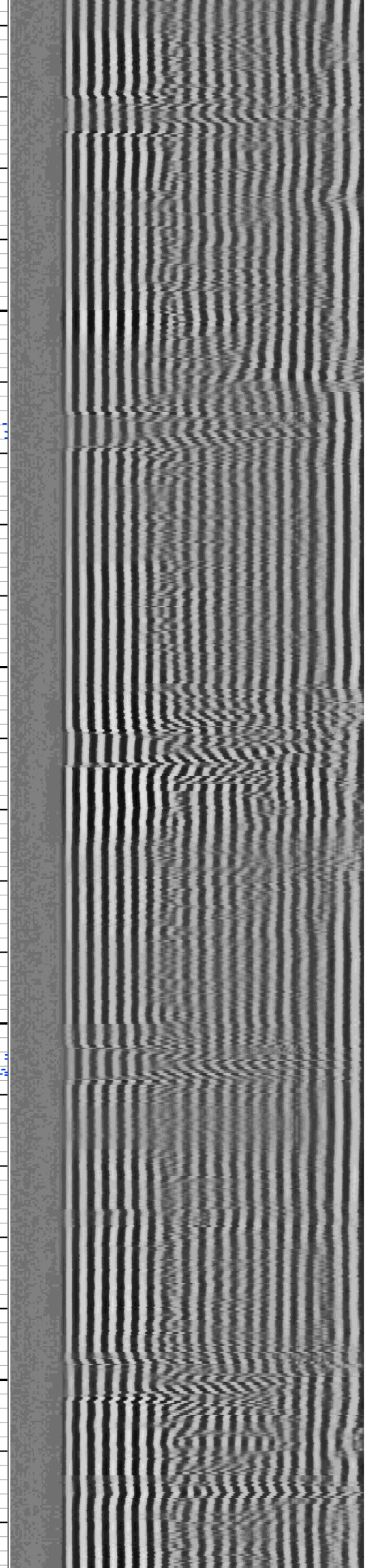
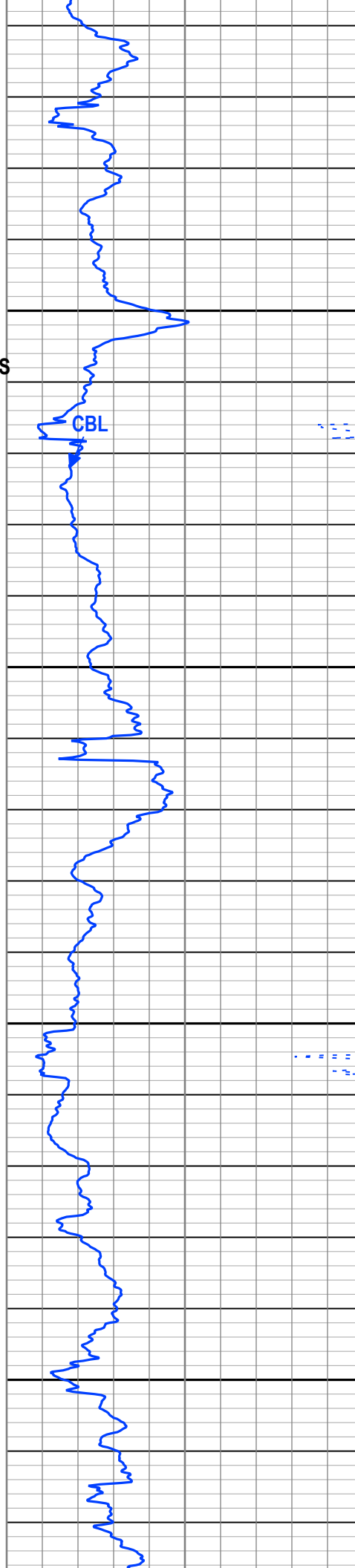




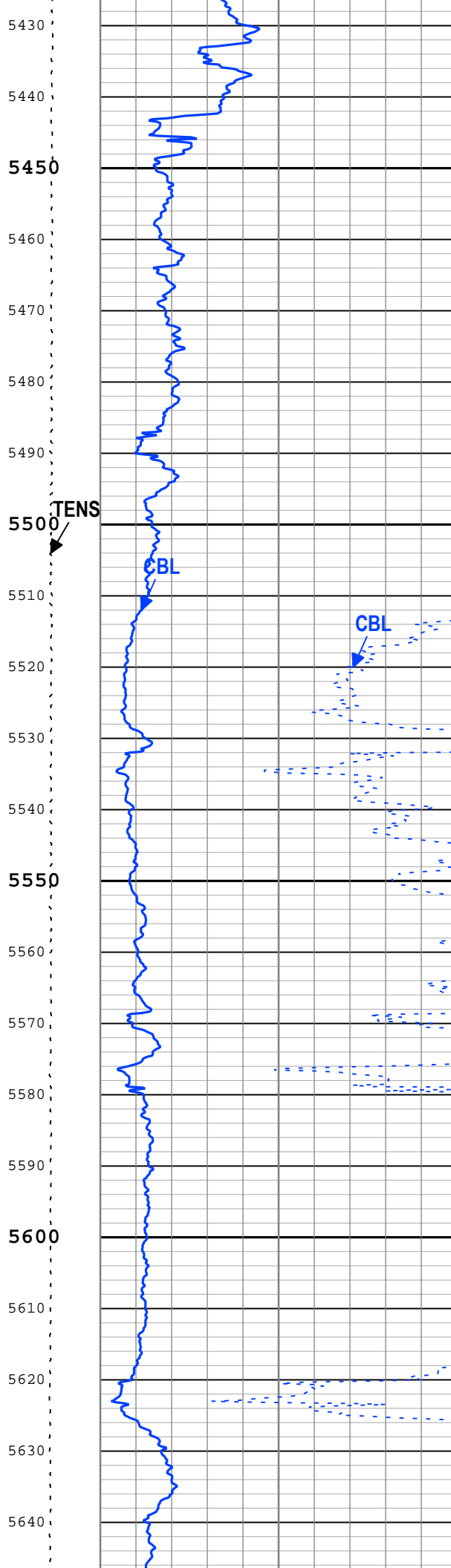
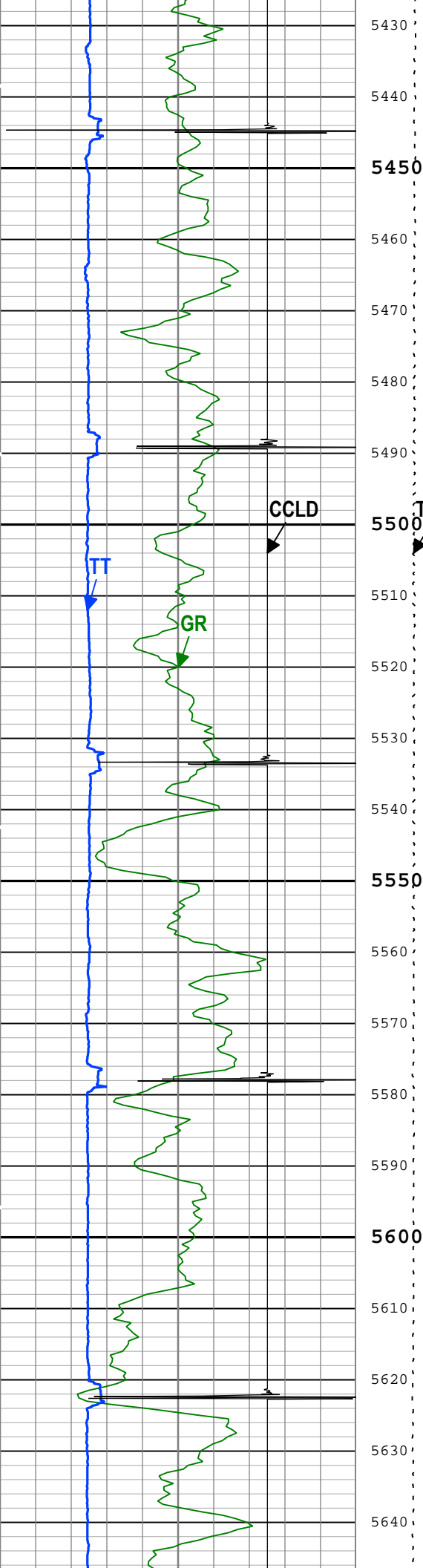
5210  
5220  
5230  
5240  
5250  
5260  
5270  
5280  
5290  
5300  
5310  
5320  
5330  
5340  
5350  
5360  
5370  
5380  
5390  
5400  
5410  
5420

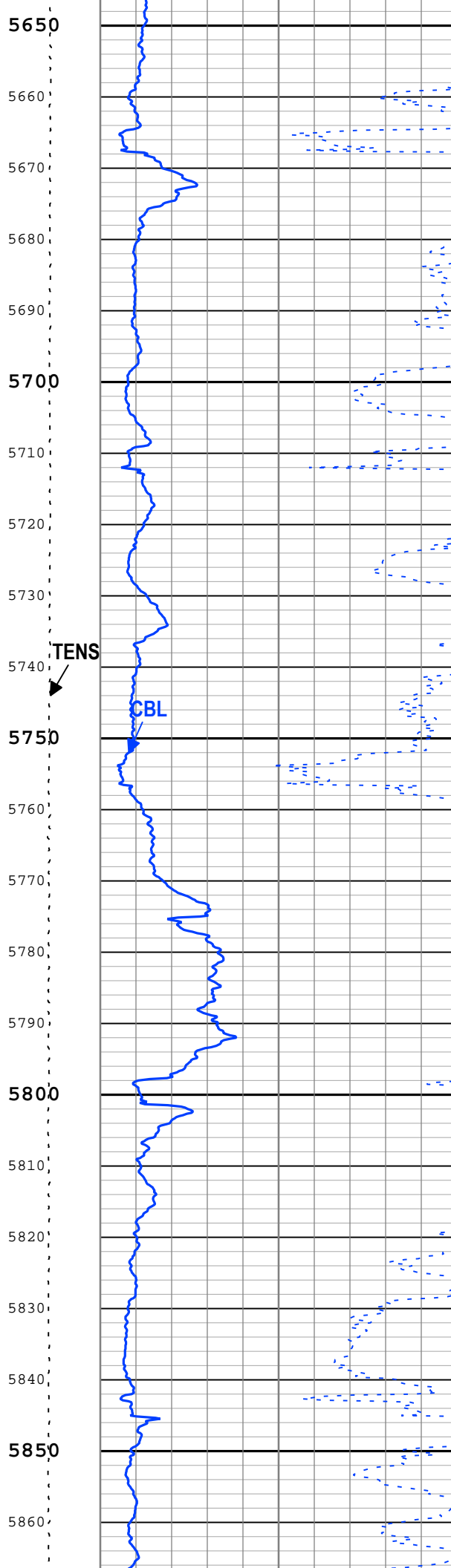
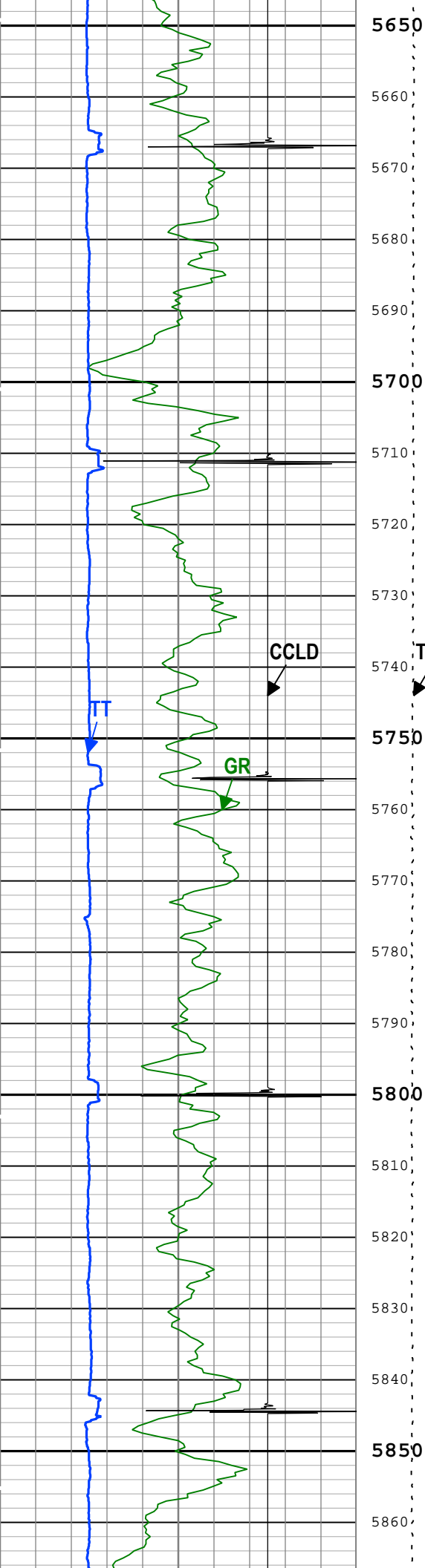
TENS

CBL

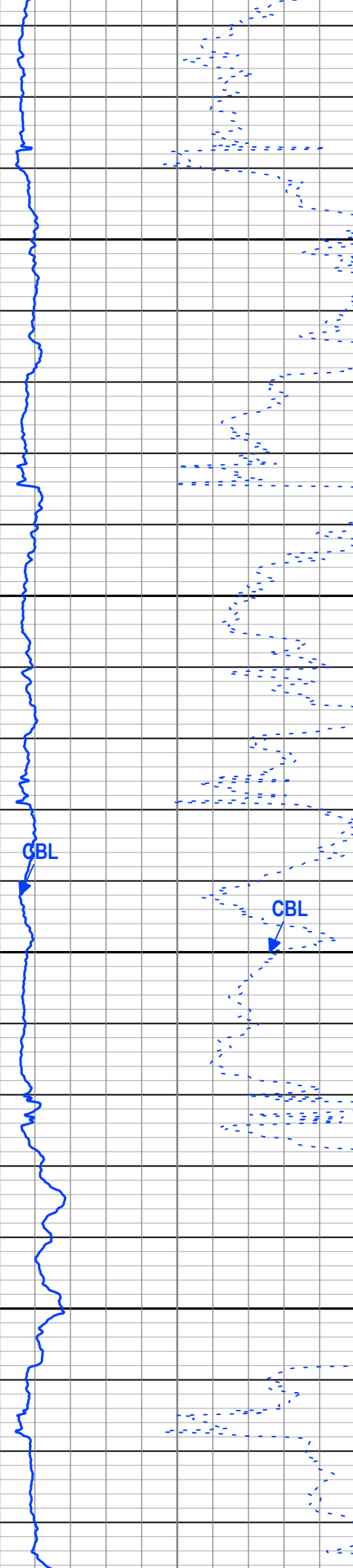
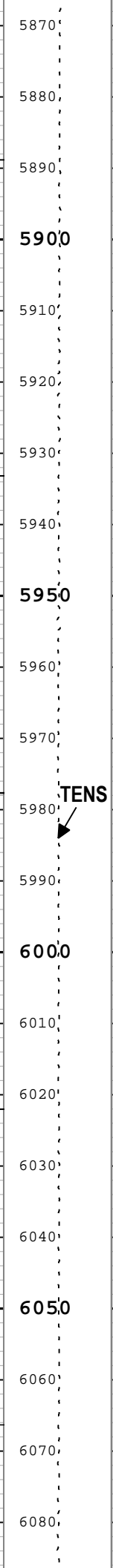
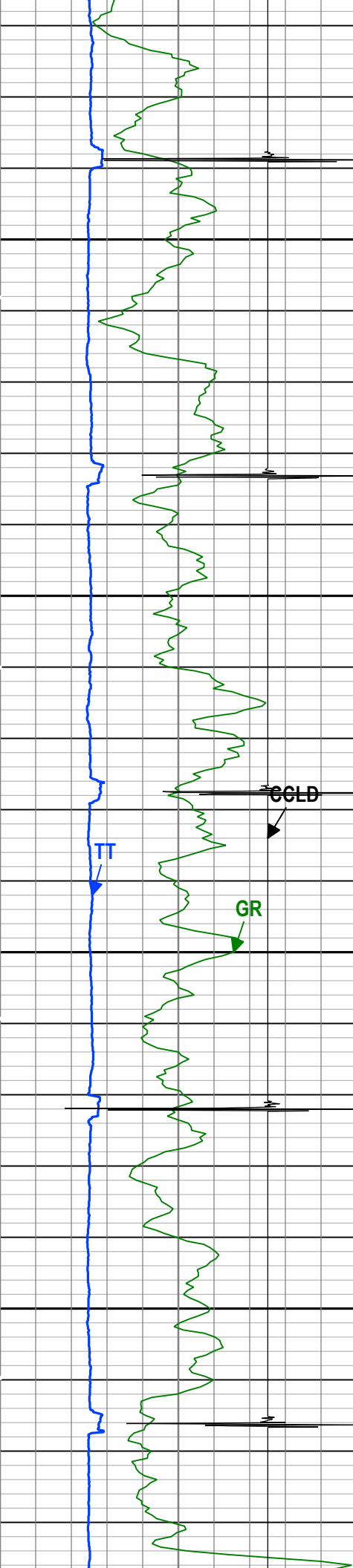


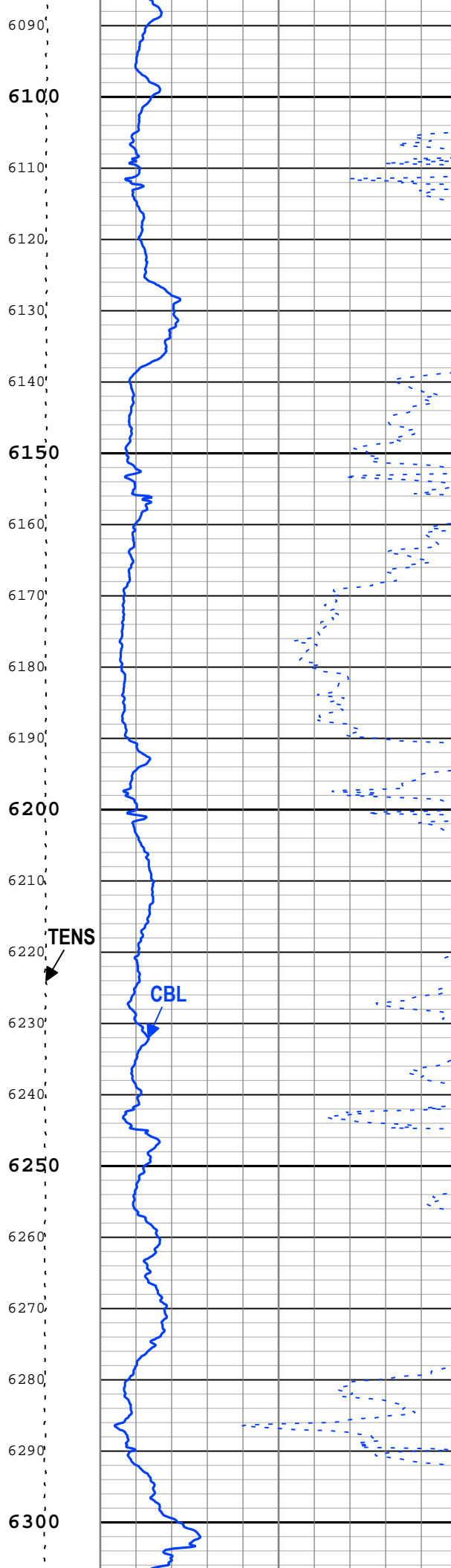
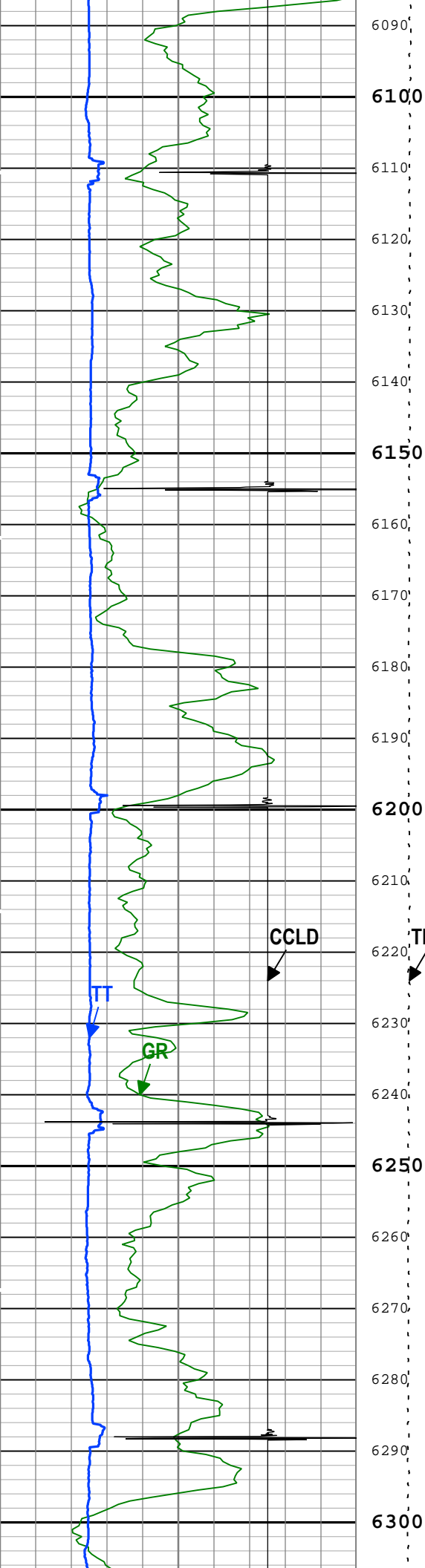


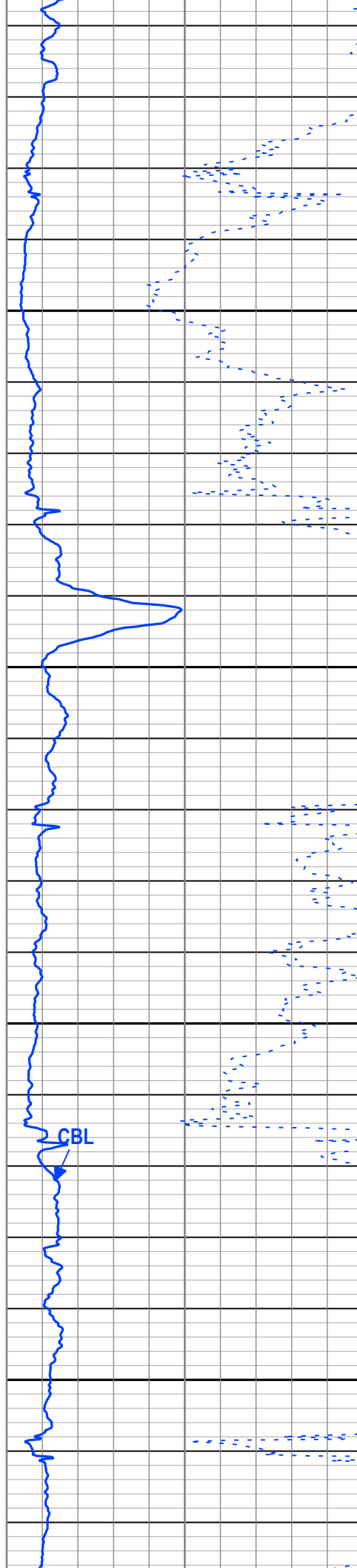
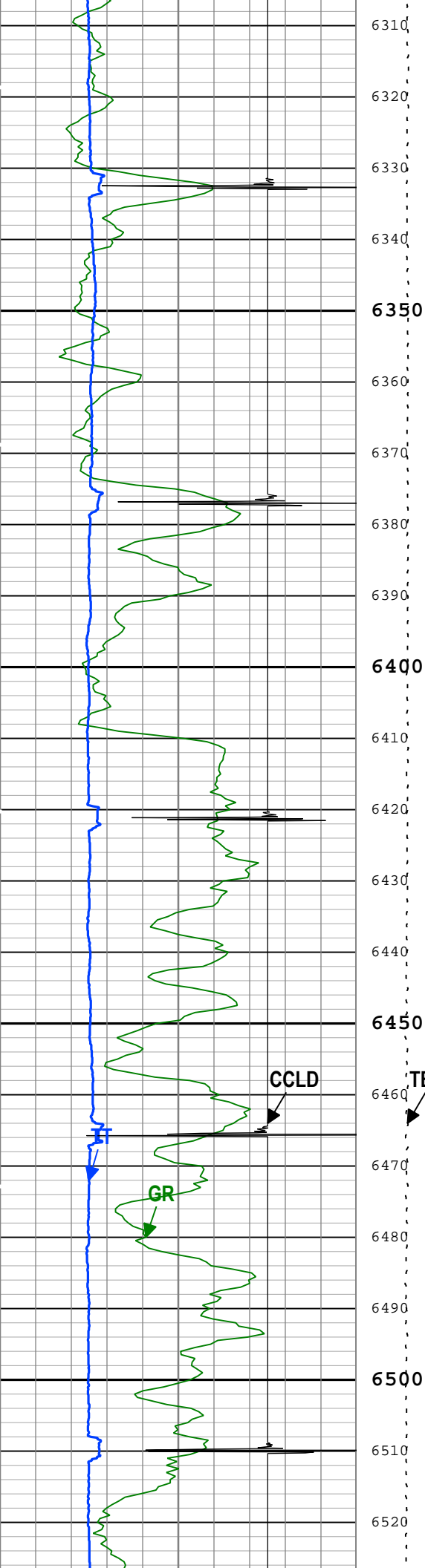


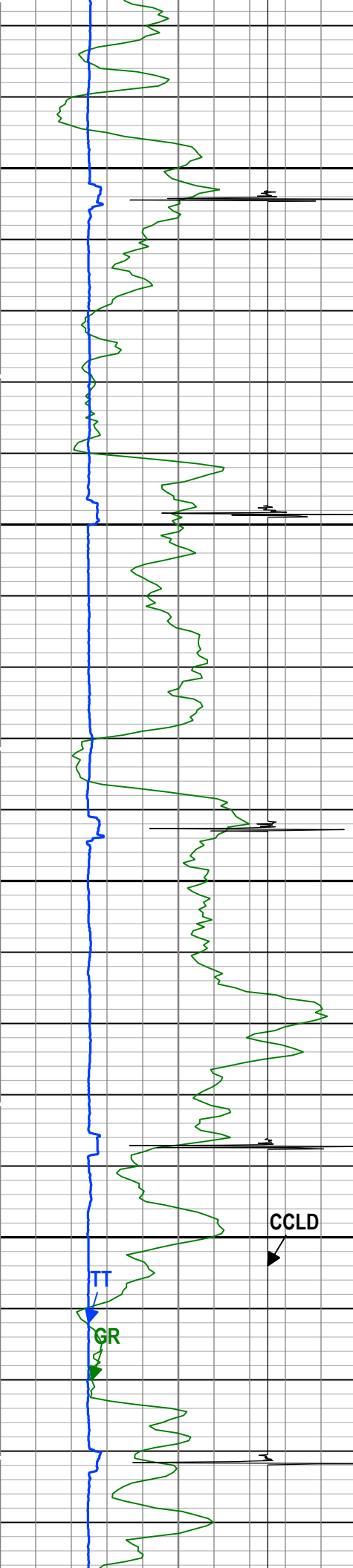






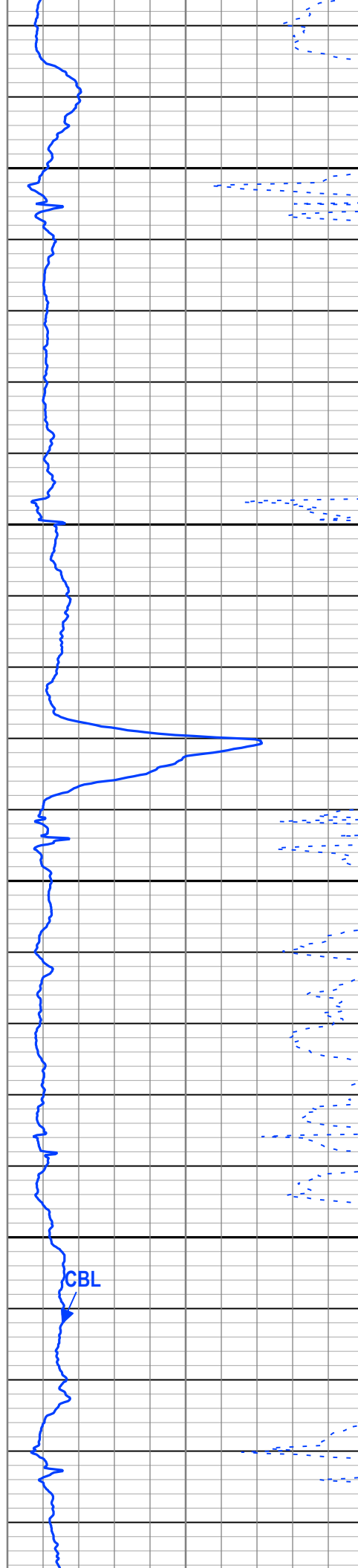




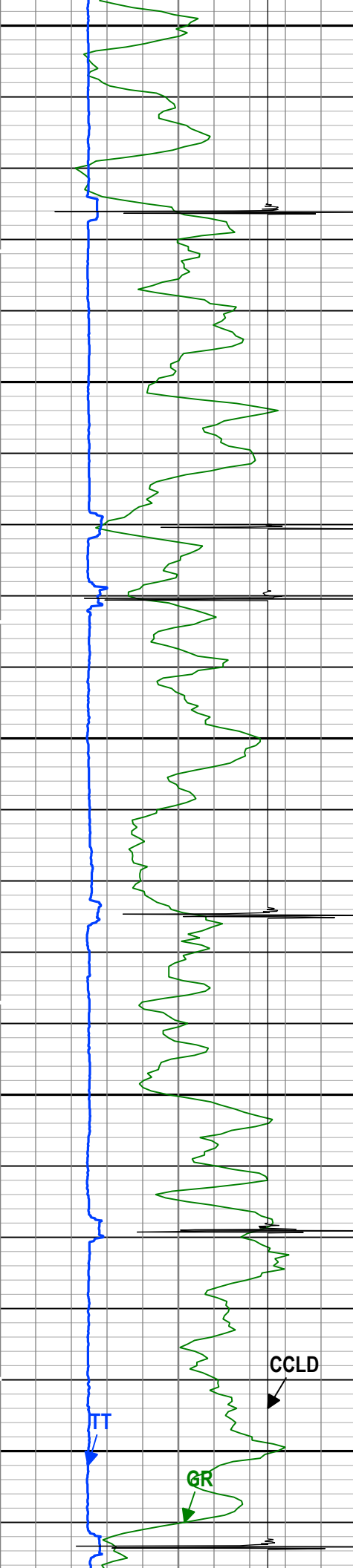


6530  
6540  
6550  
6560  
6570  
6580  
6590  
6600  
6610  
6620  
6630  
6640  
6650  
6660  
6670  
6680  
6690  
6700  
6710  
6720  
6730  
6740

TENS





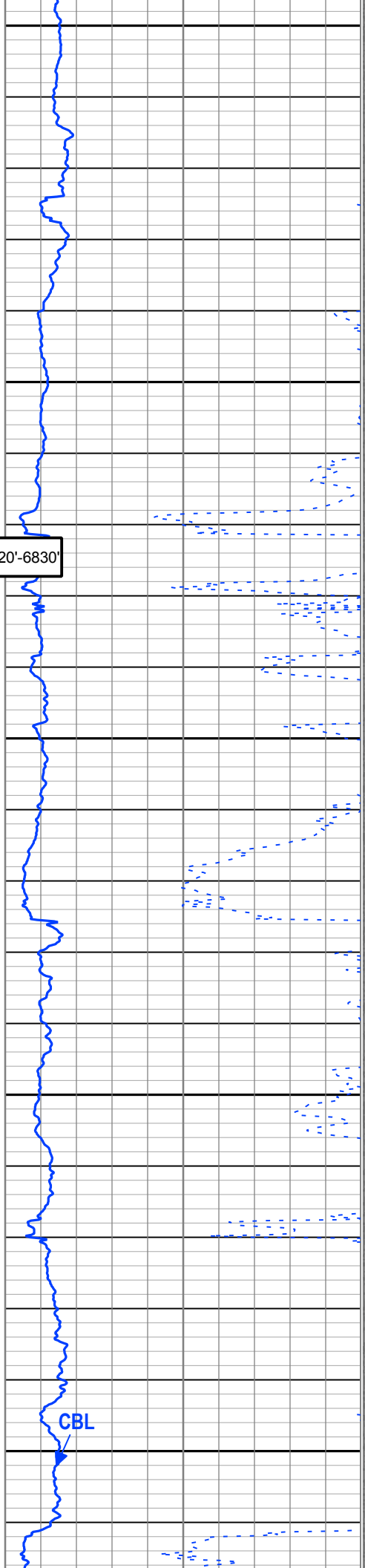


6750  
6760  
6770  
6780  
6790  
6800  
6810  
6820  
6830  
6840  
6850  
6860  
6870  
6880  
6890  
6900  
6910  
6920  
6930  
6940  
6950  
6960

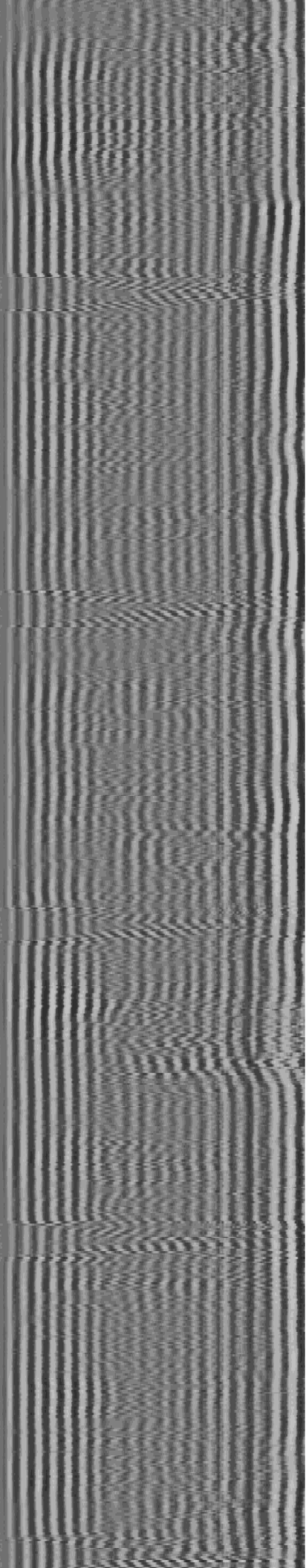
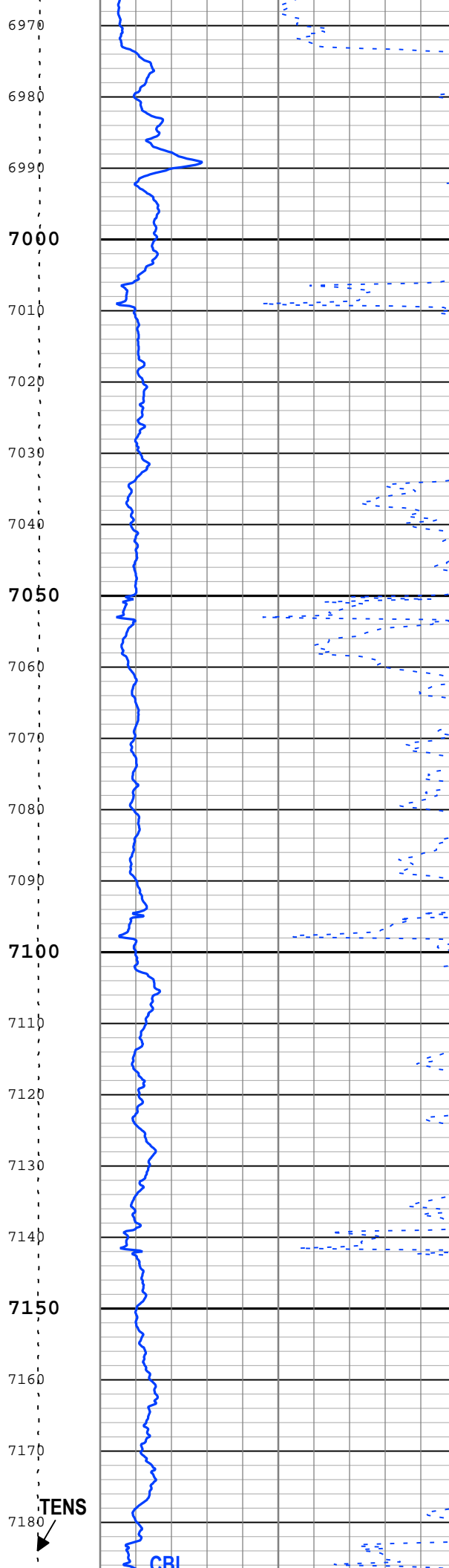
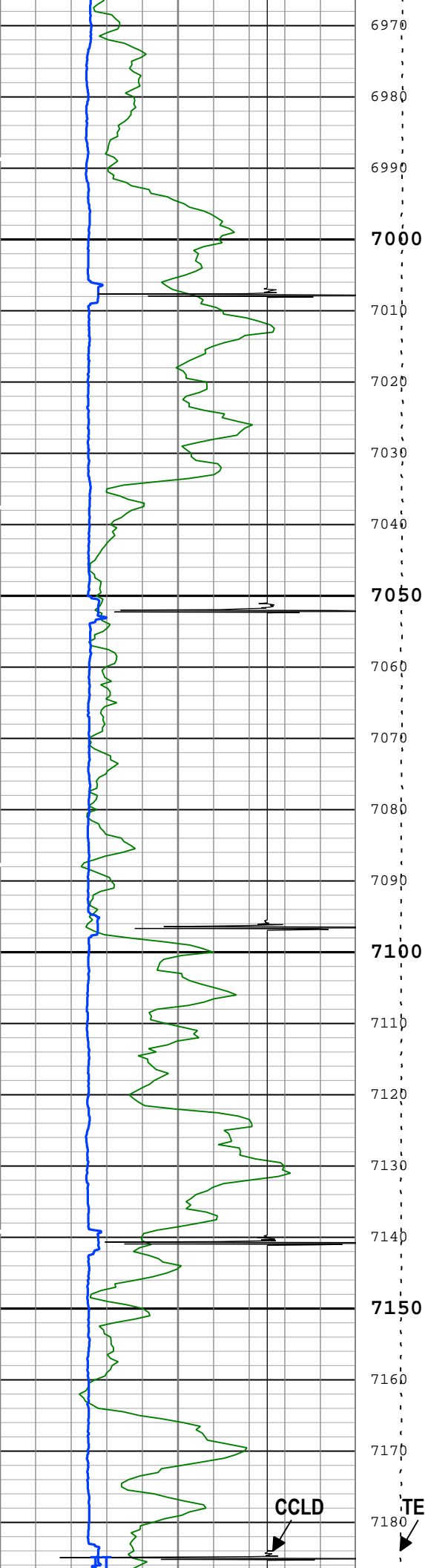
Short Joint 6820'-6830'

TENS  
CCLD

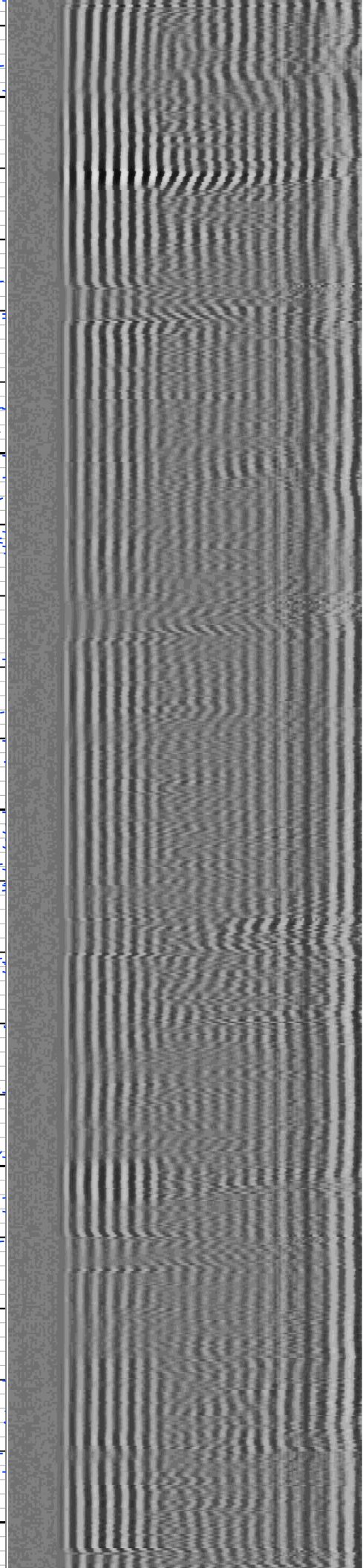
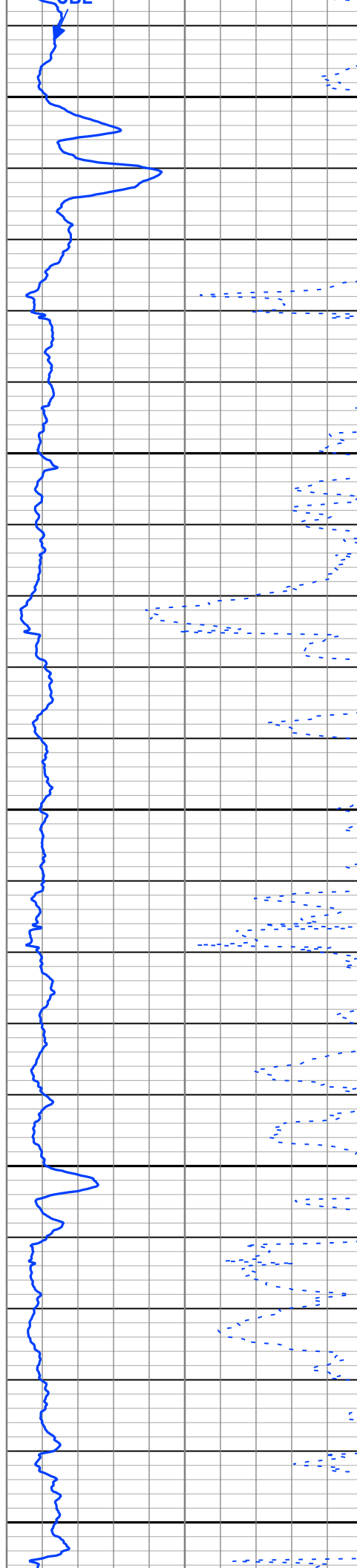
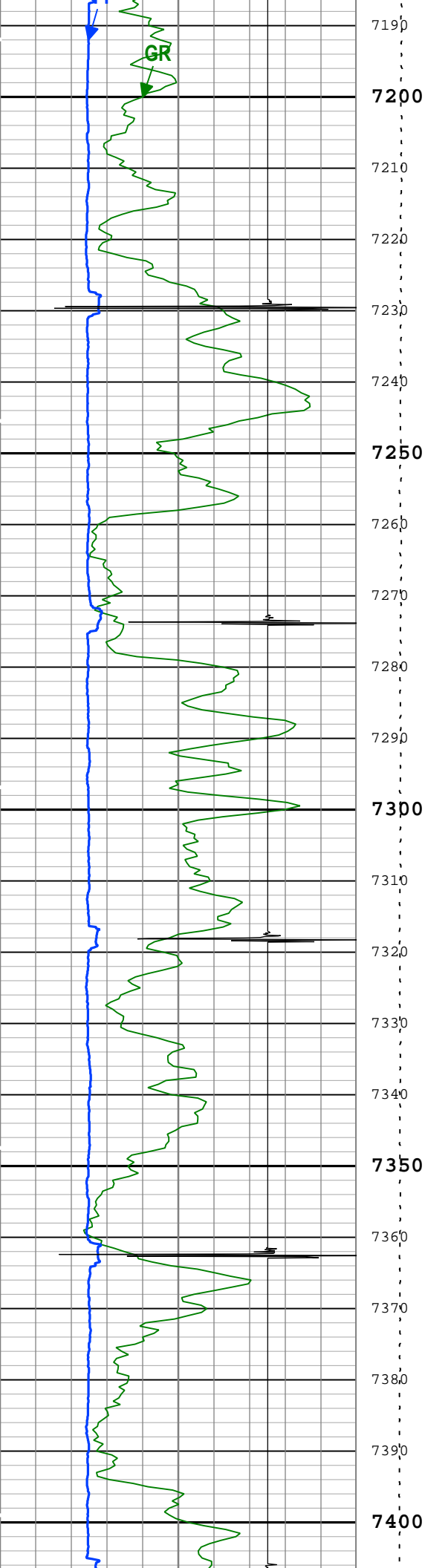
GR

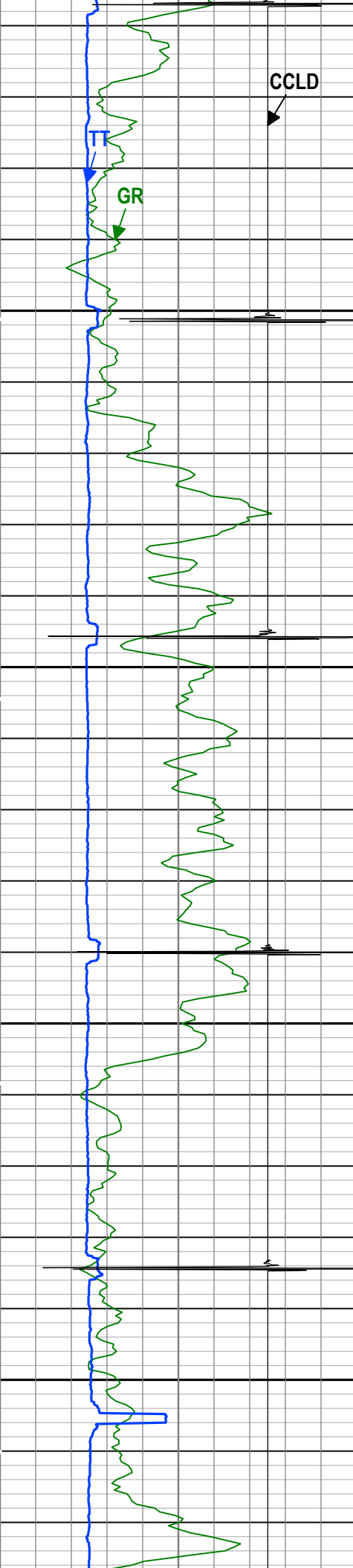


CBL

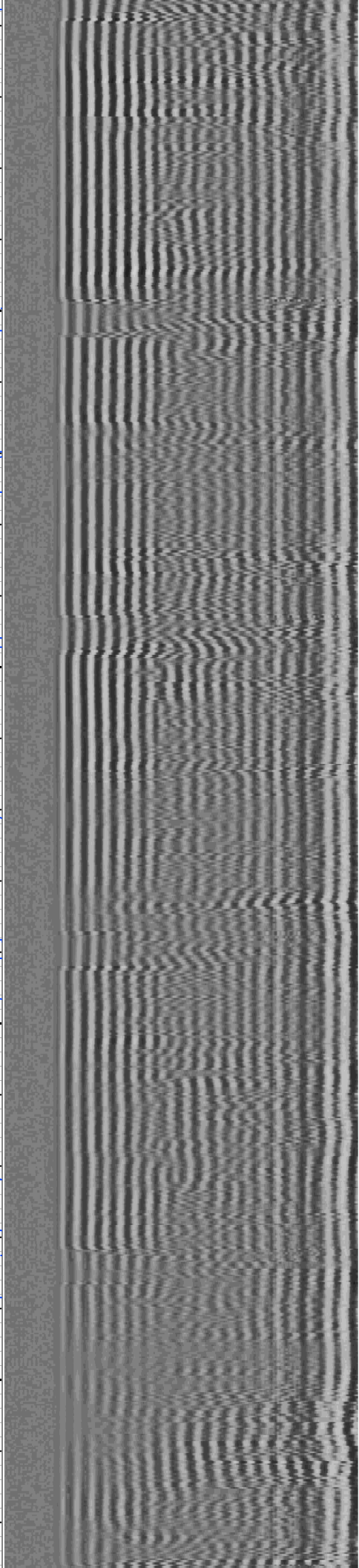
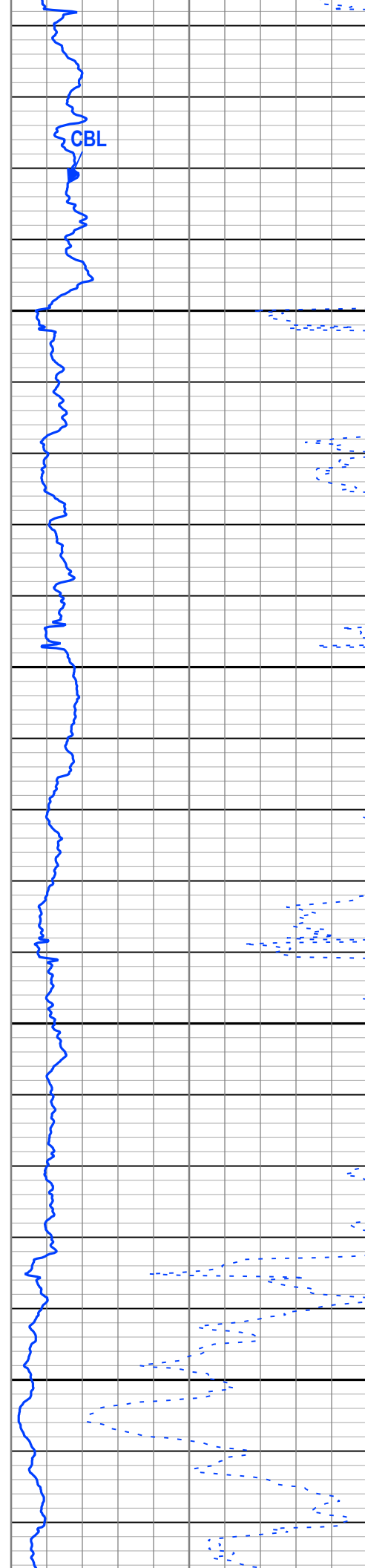


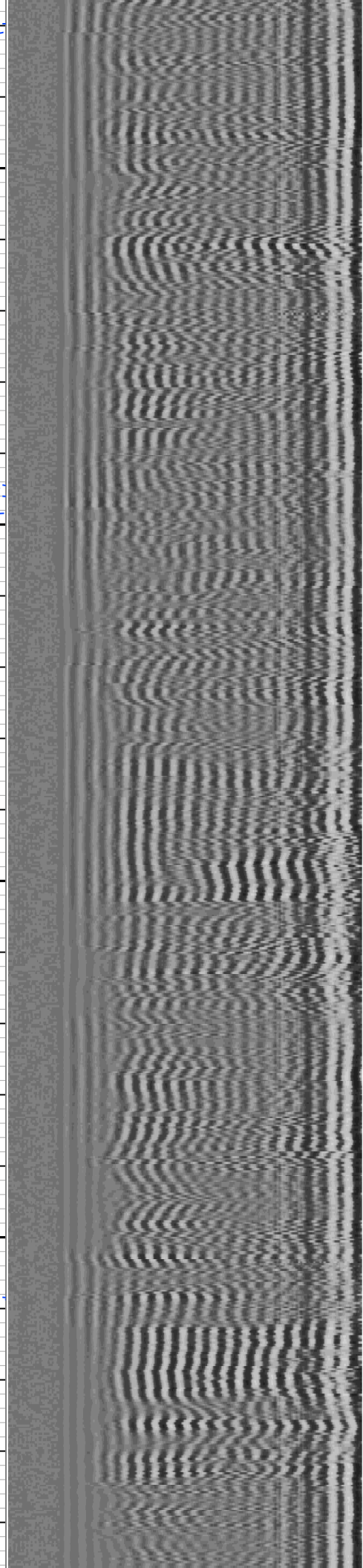
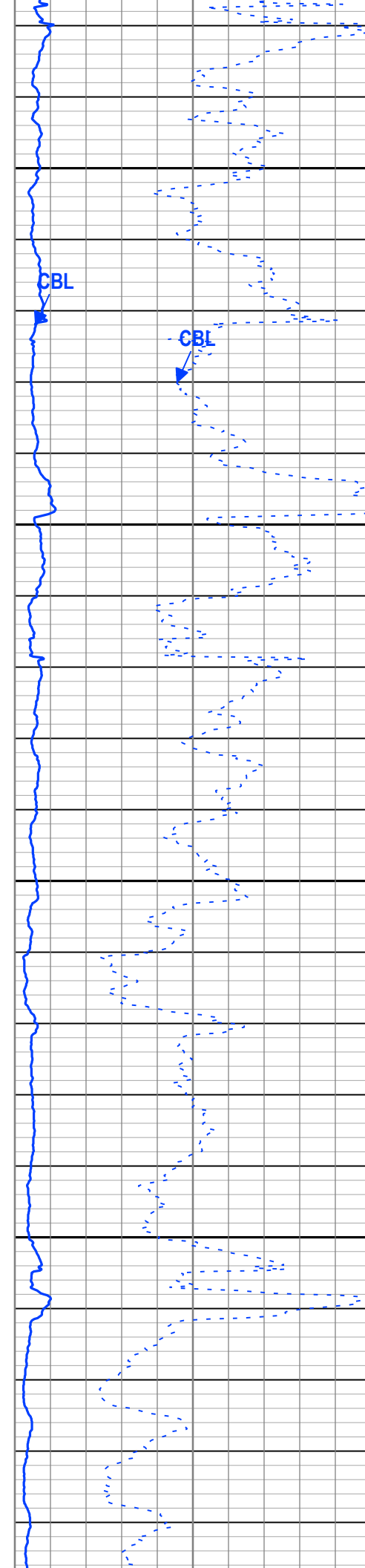
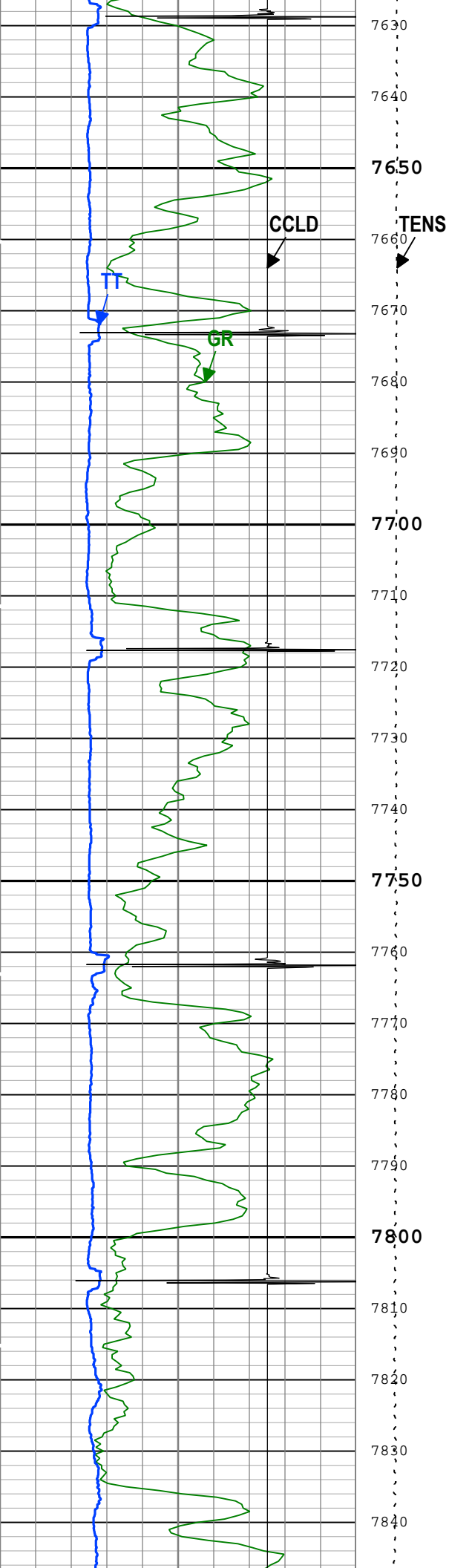


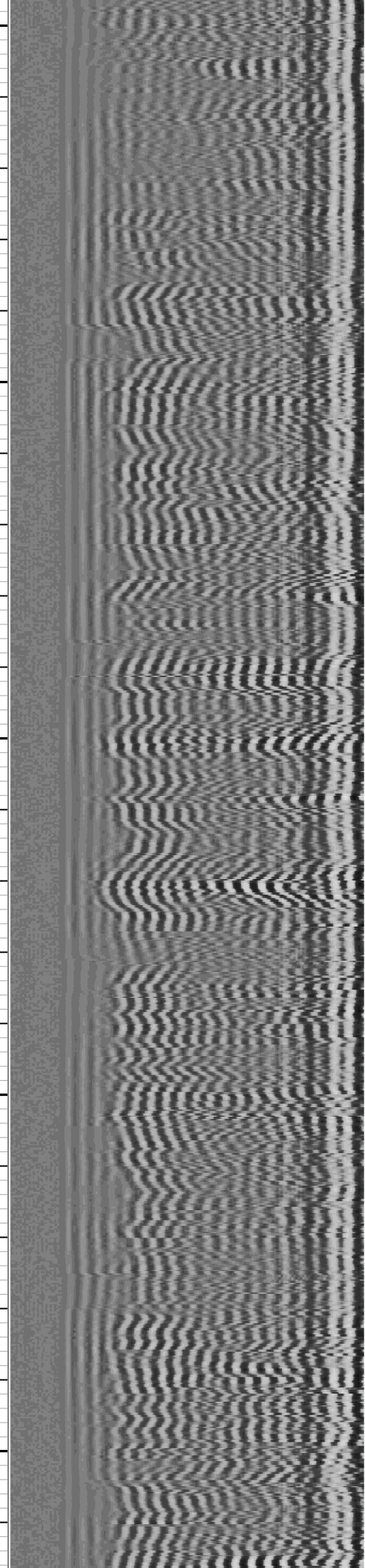
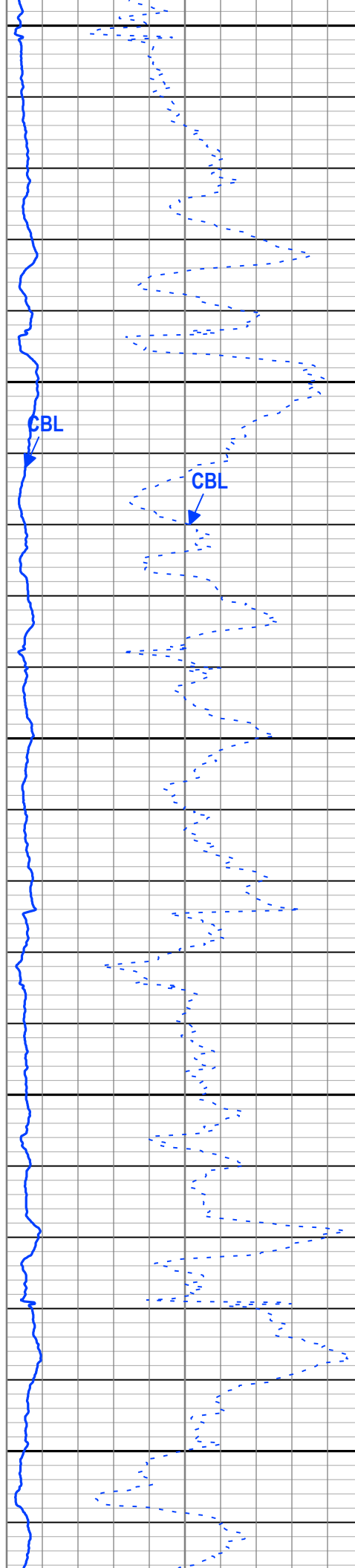
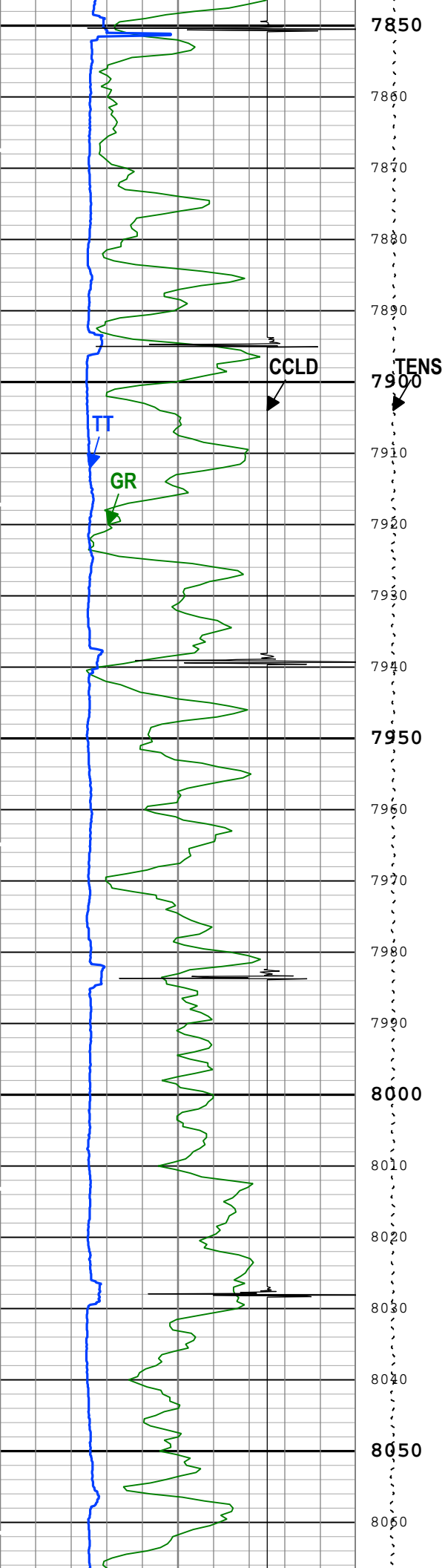




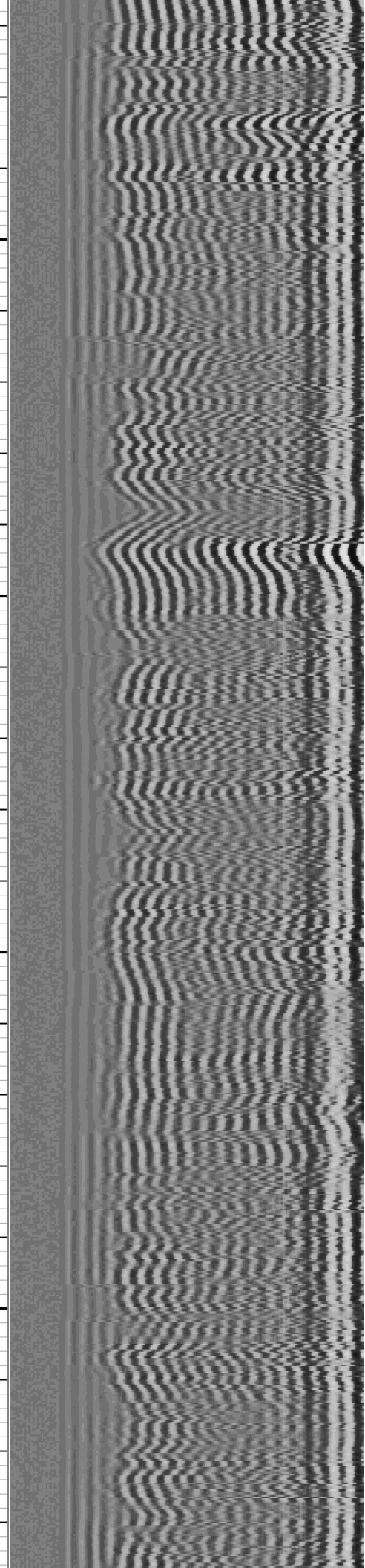
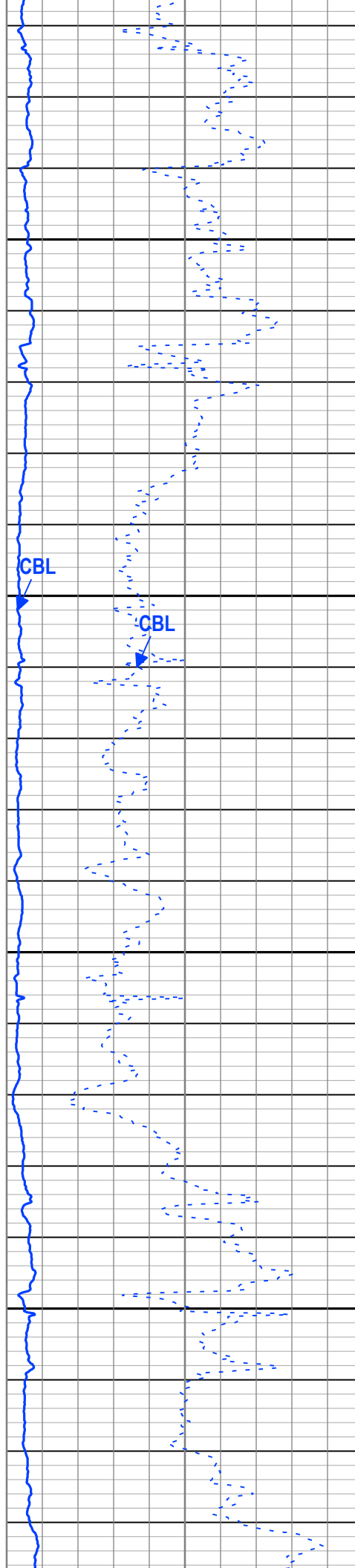
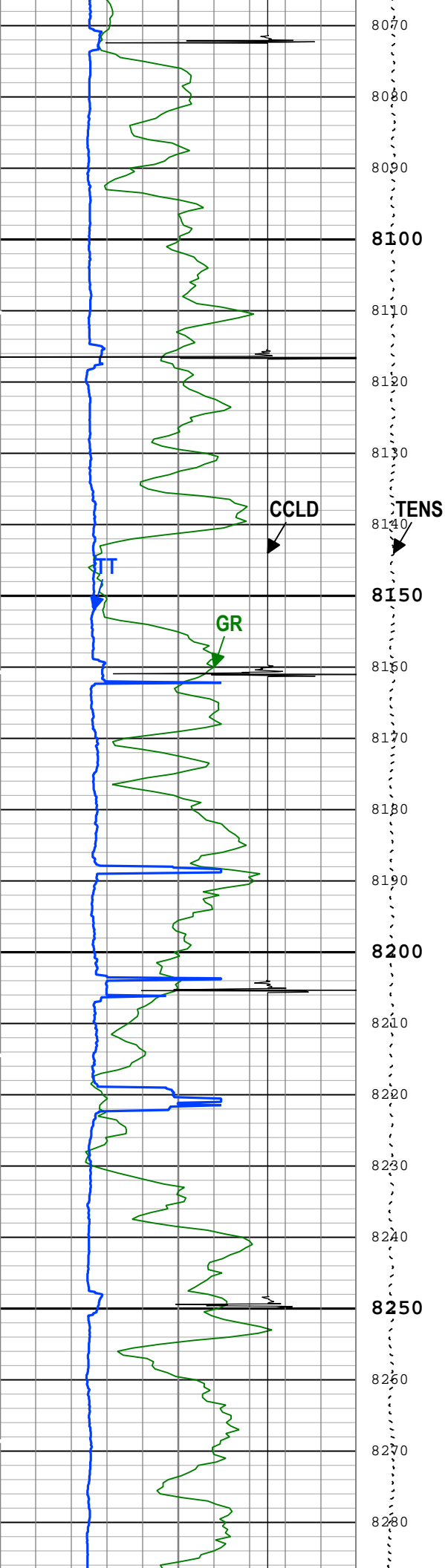
7410  
7420 TENS  
7430  
7440  
7450  
7460  
7470  
7480  
7490  
7500  
7510  
7520  
7530  
7540  
7550  
7560  
7570  
7580  
7590  
7600  
7610  
7620

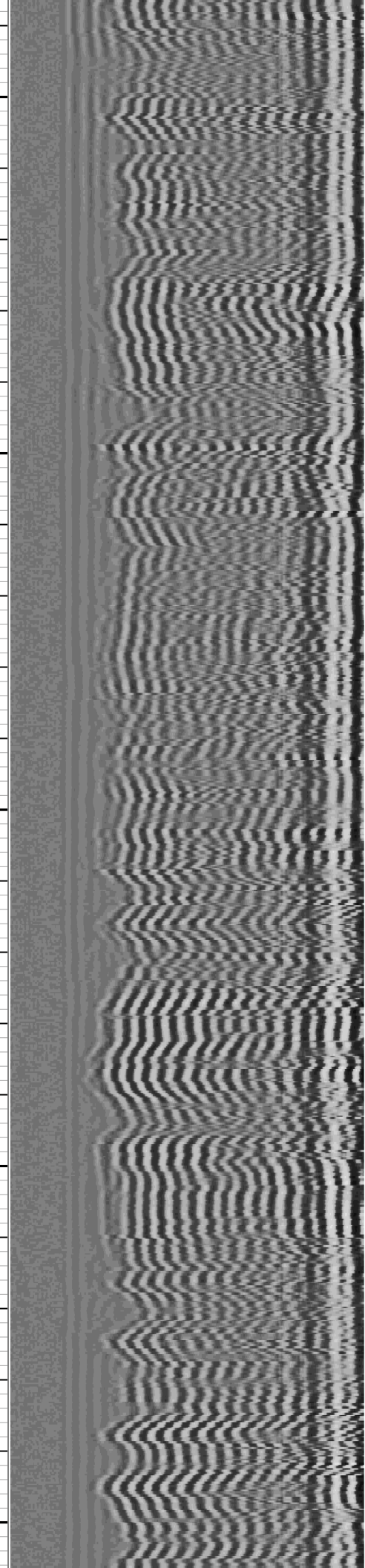
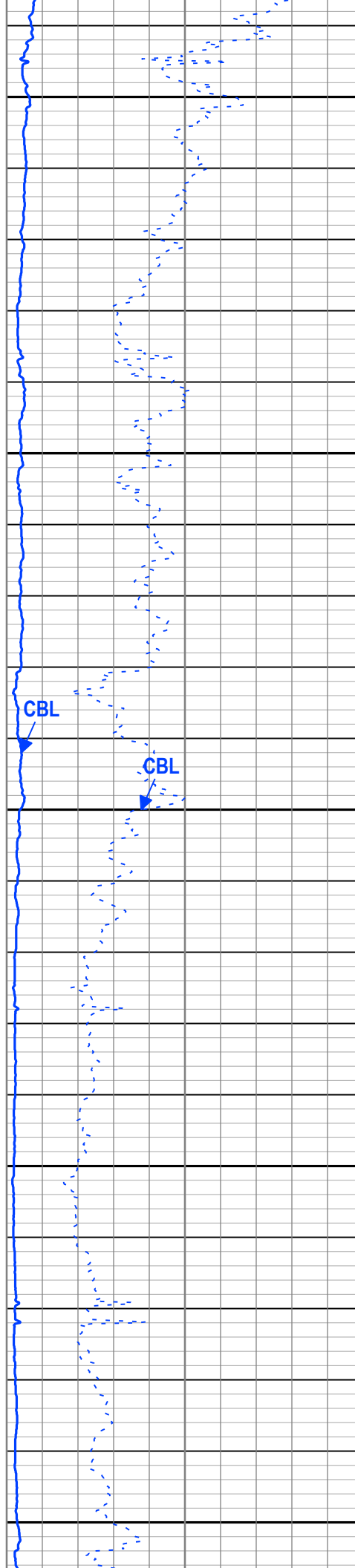
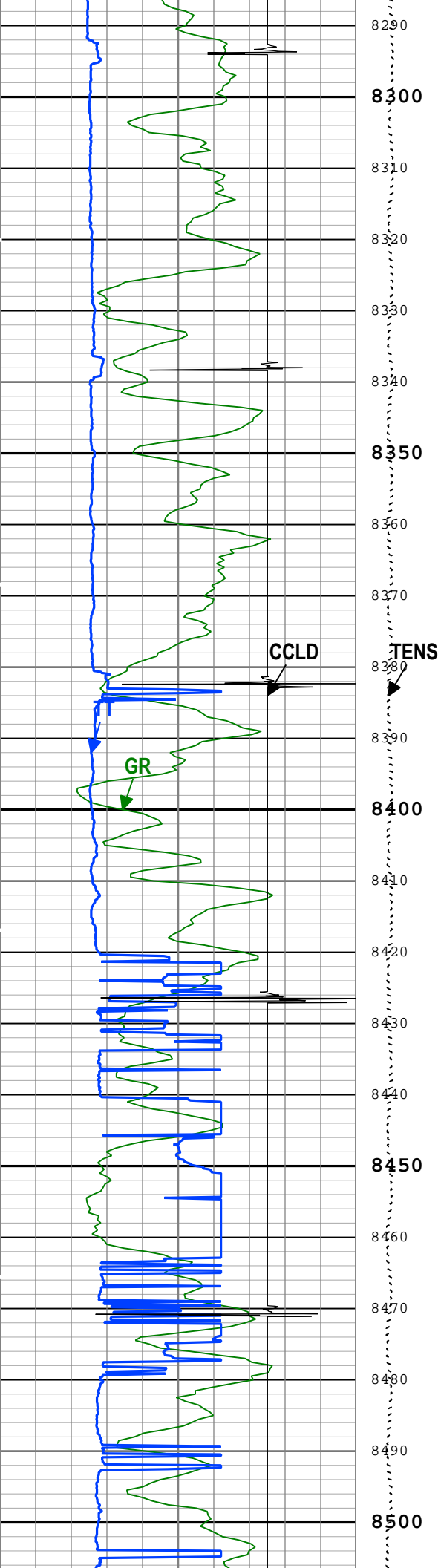




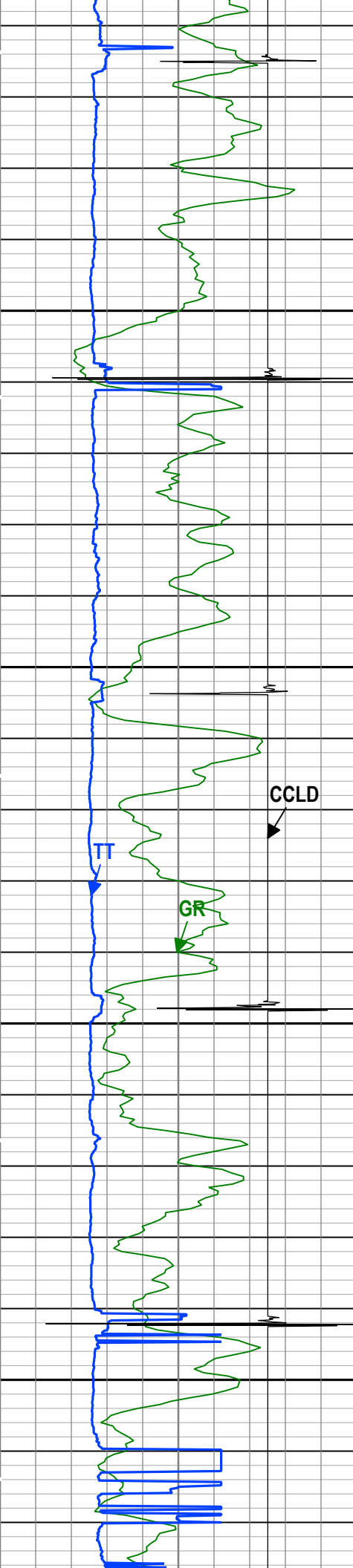




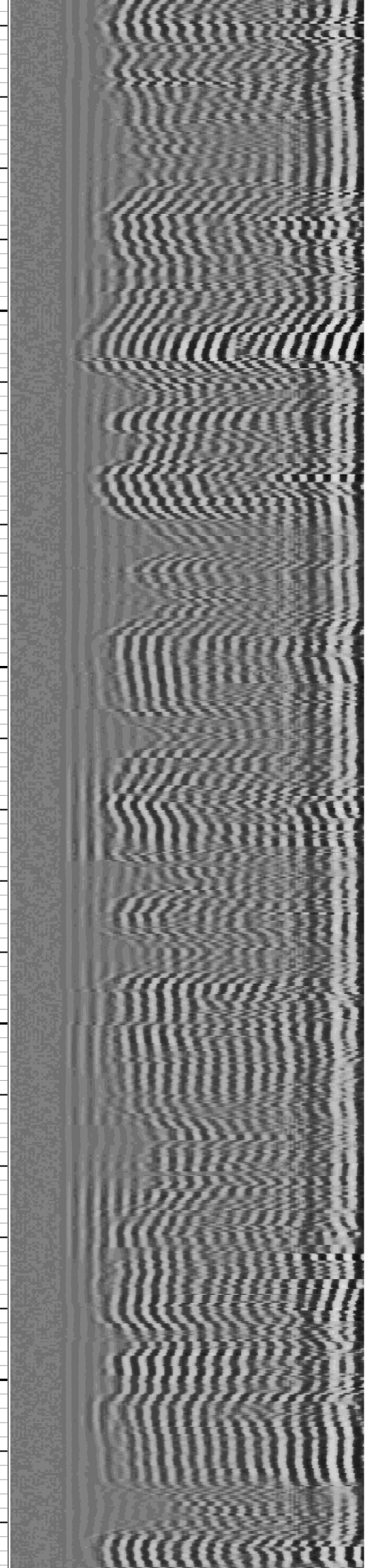
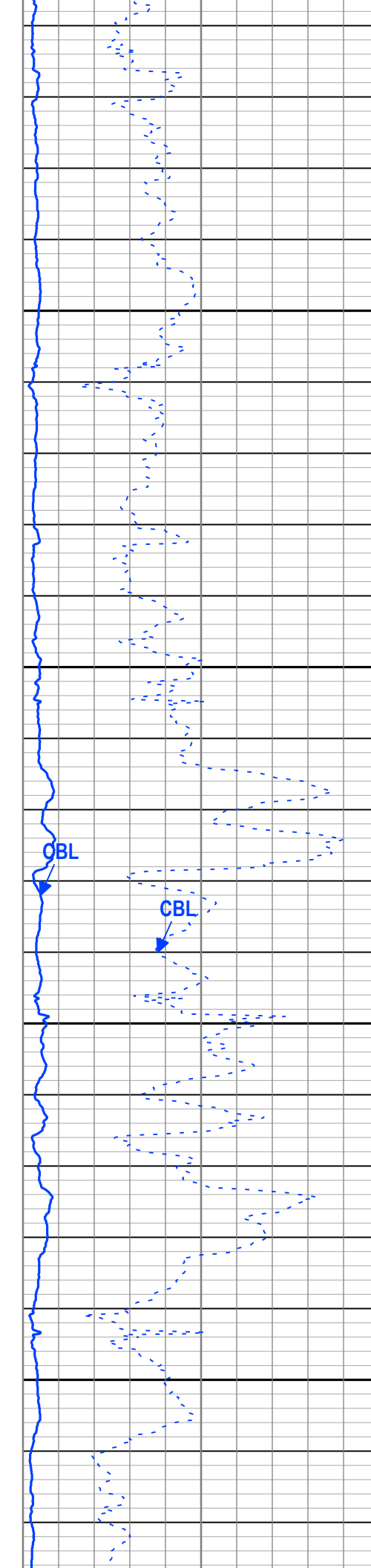


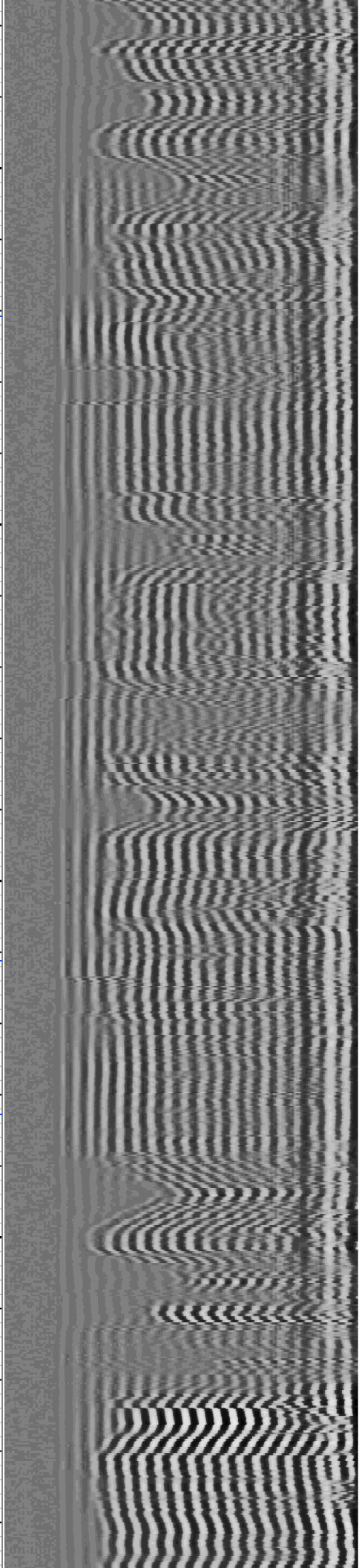
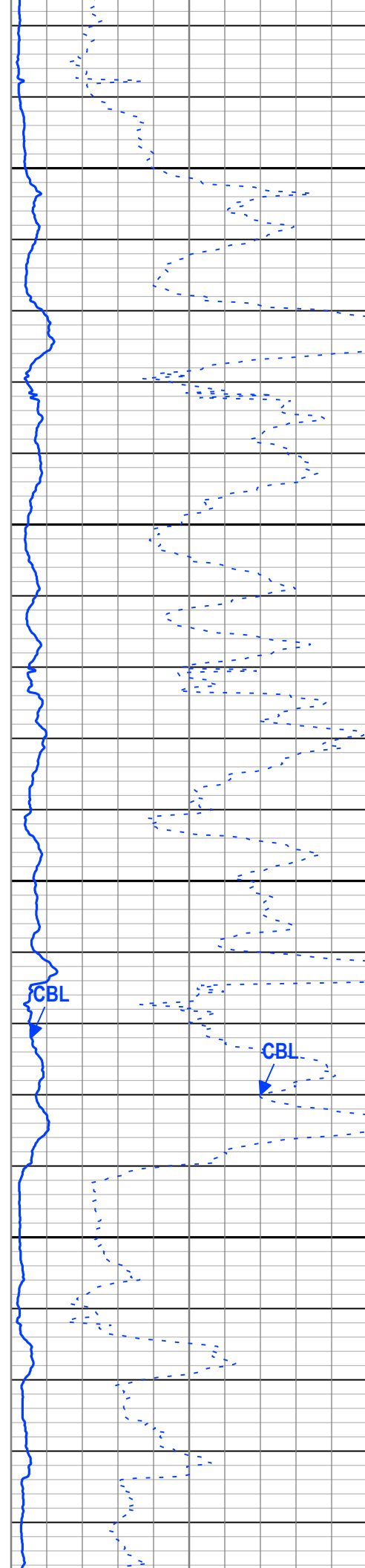
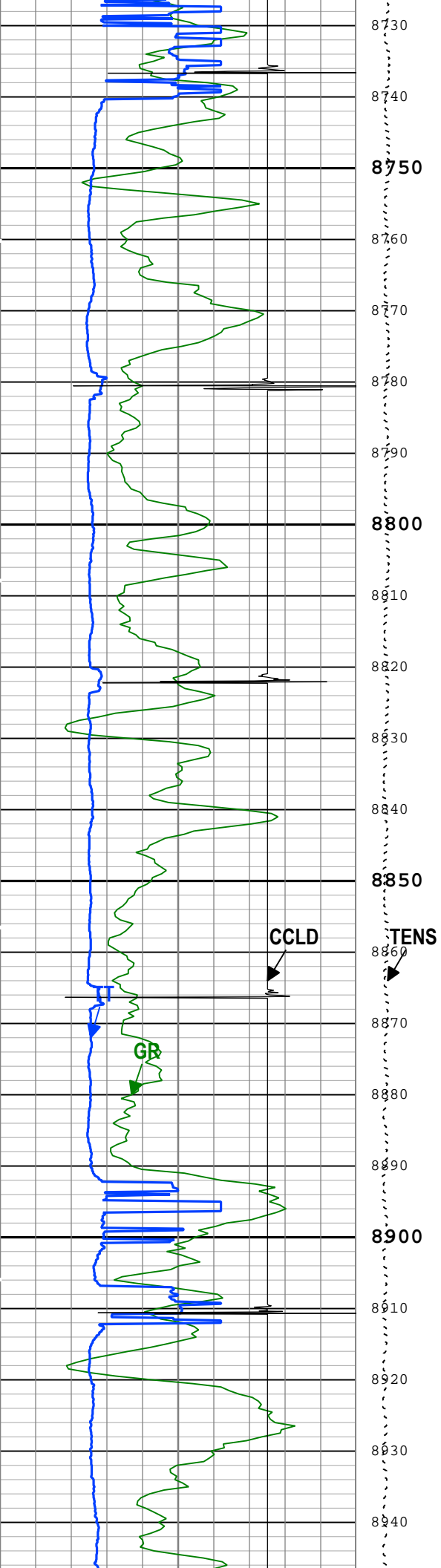


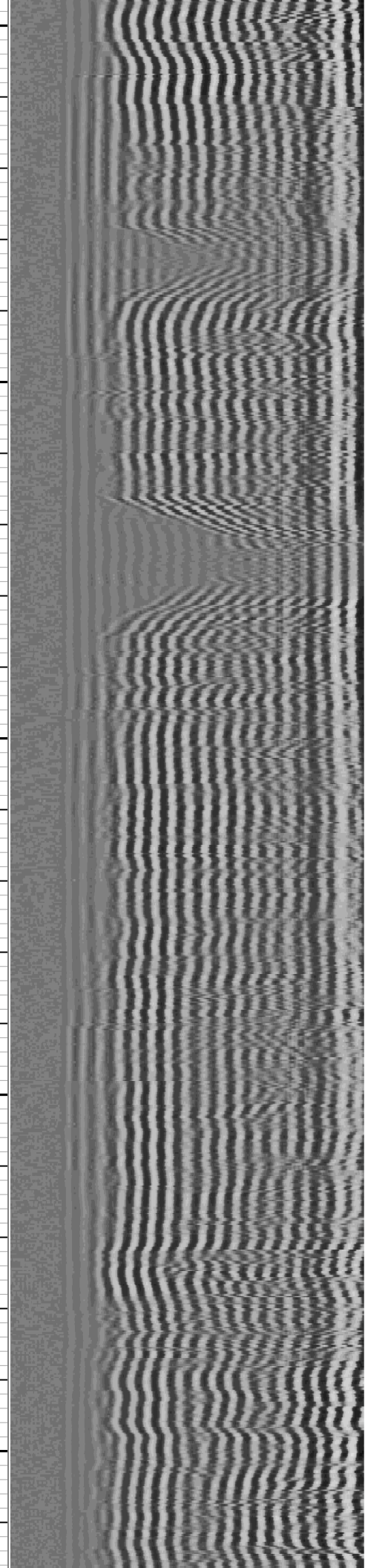
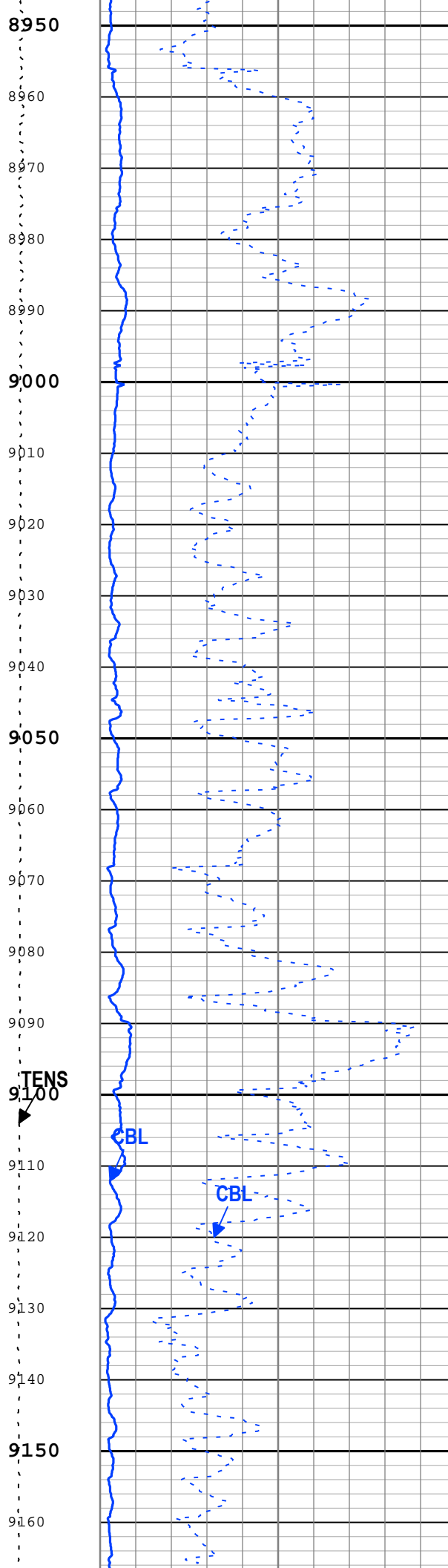
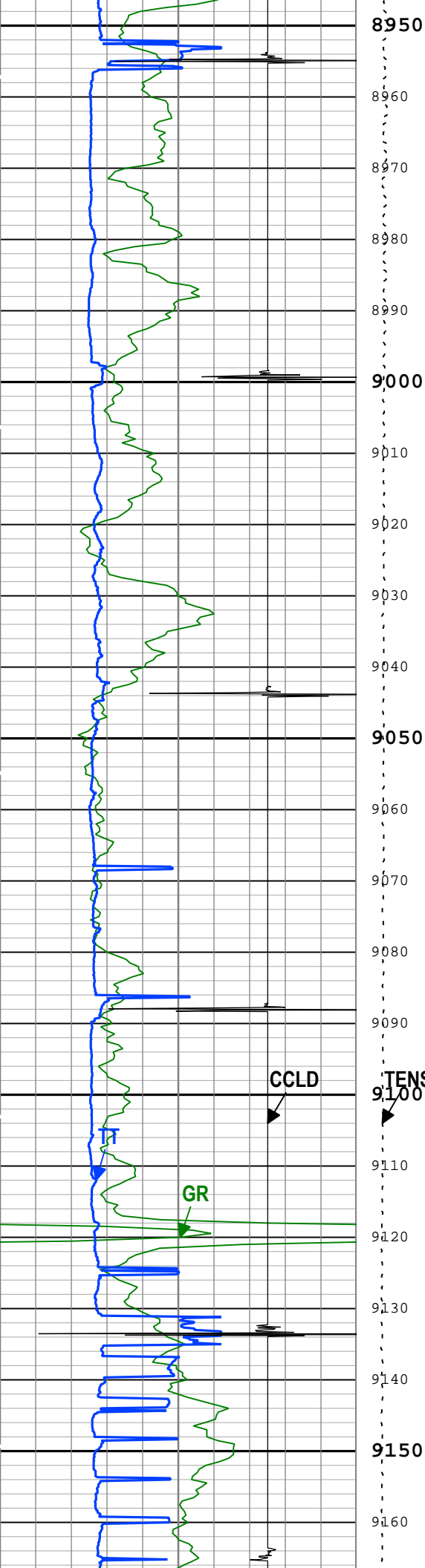


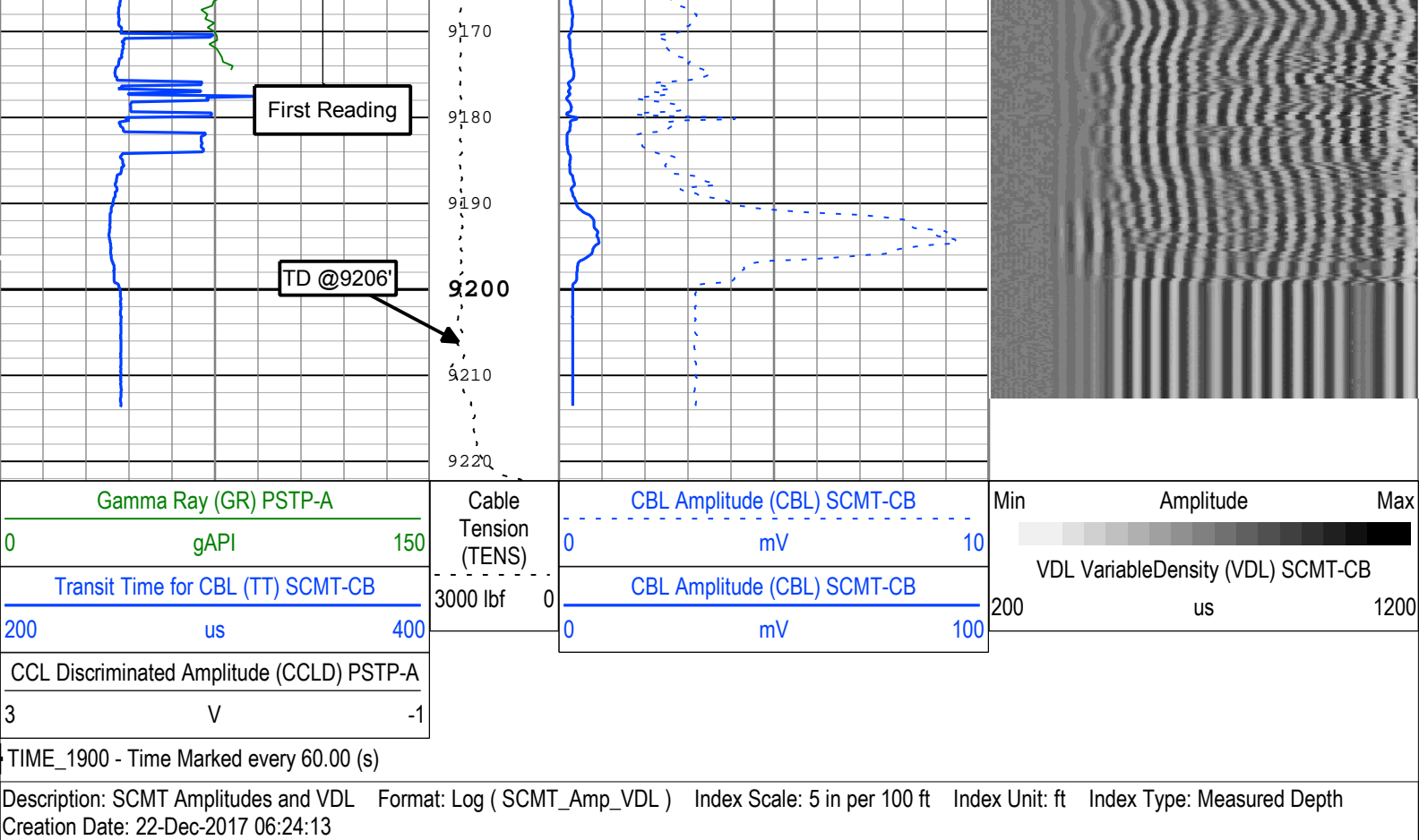


8510  
8520  
8530  
8540  
**8550**  
8560  
8570  
8580  
8590  
**8600**  
8610  
**TENS**  
8620  
8630  
8640  
**8650**  
8660  
8670  
8680  
8690  
**8700**  
8710  
8720









Channel Processing Parameters

One: Parameters

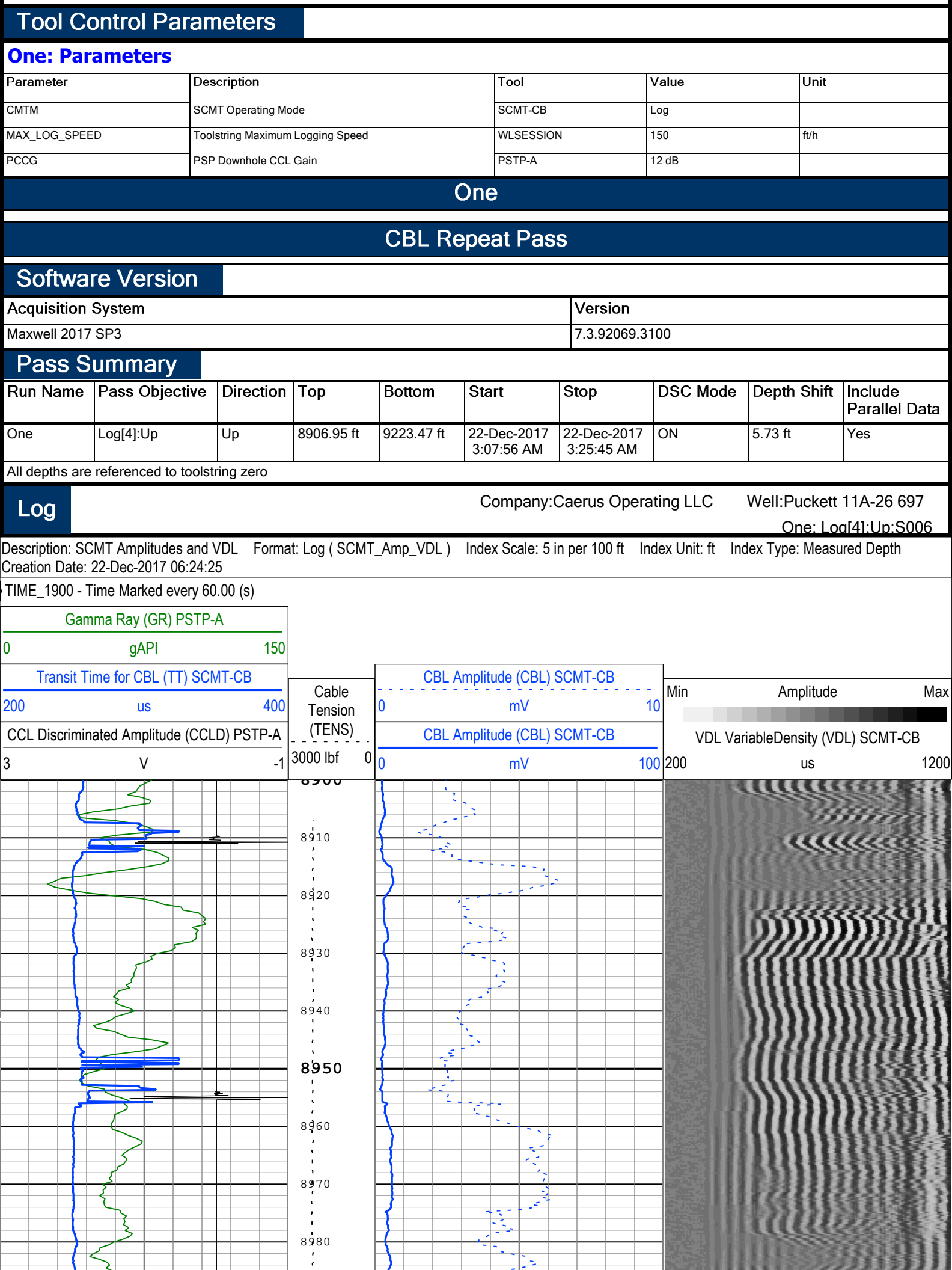
Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	224	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	Depth Zoned	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DFD	Drilling Fluid Density	Borehole	8.6	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	8432	ft
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST(RT)	
MSA	Minimum Sonic Amplitude	SCMT-CB	Depth Zoned	mV
PDAT	Permanent Datum	WLSESSION	GL	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
SHT	Surface Hole Temperature	Borehole	68	degF

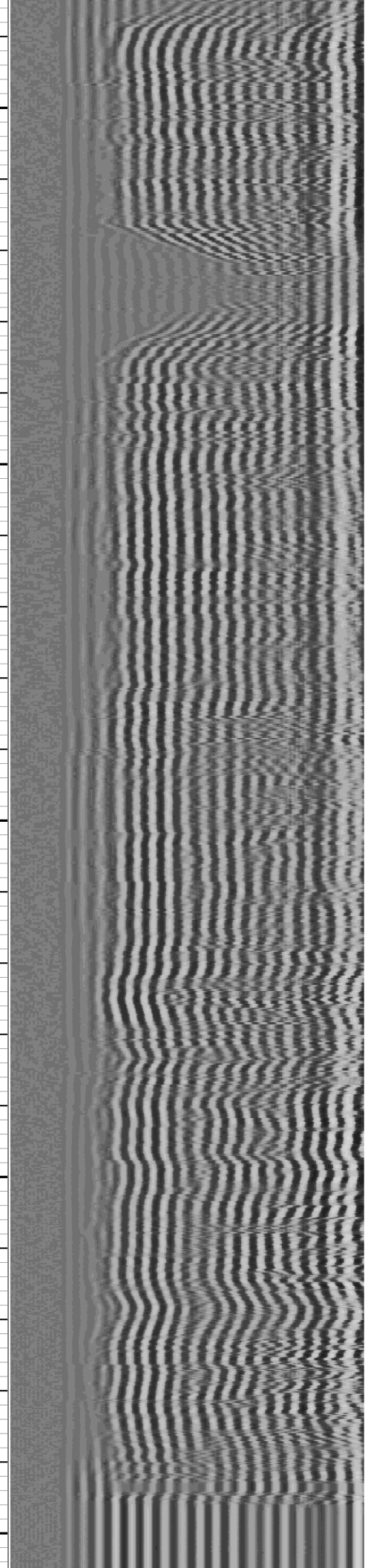
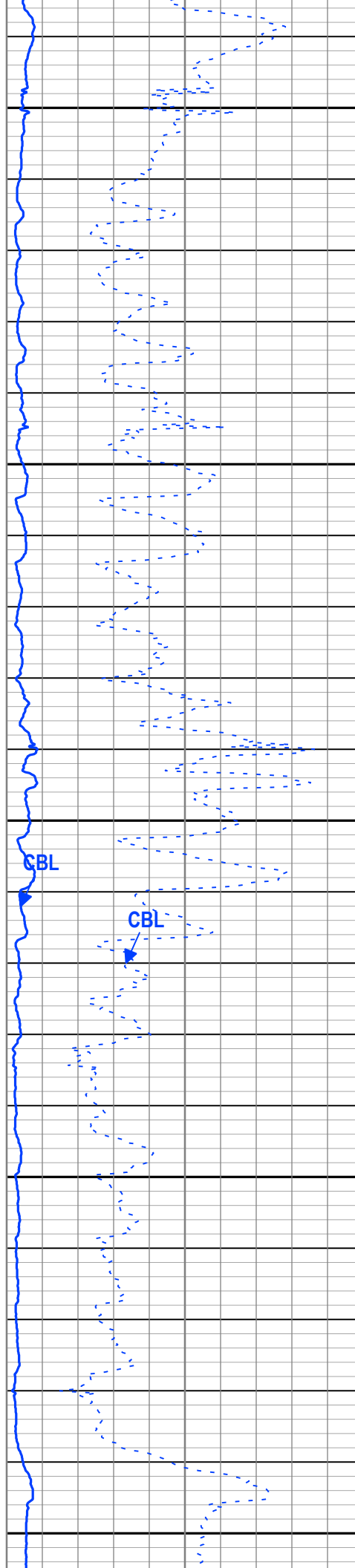
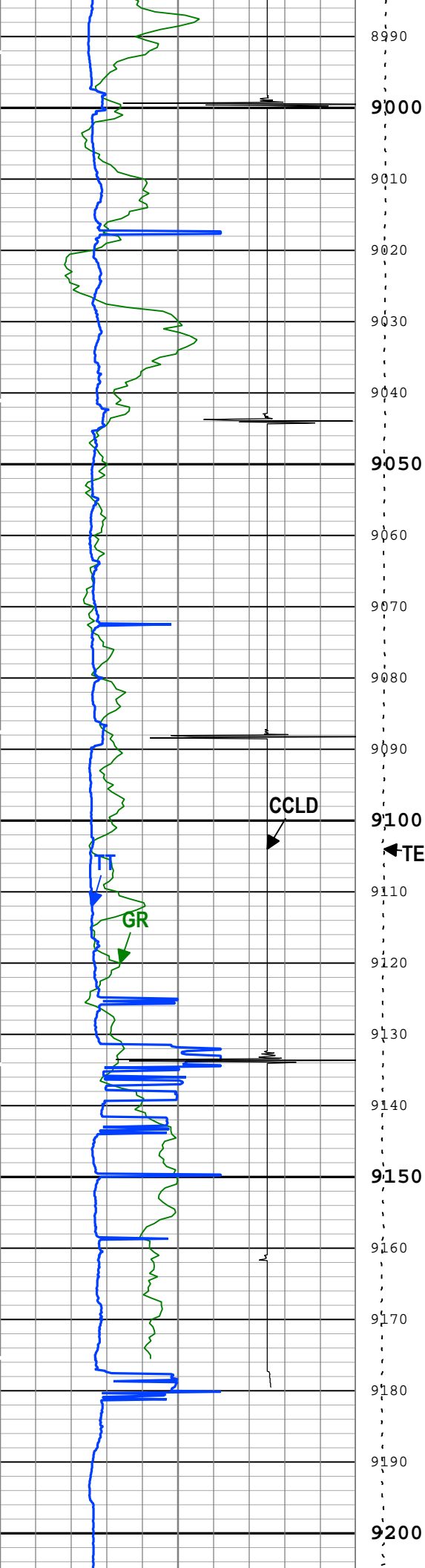
Depth Zone Parameters

Parameter	Value	Start ( ft )	Stop ( ft )
CBRA	80	2420	9216
CBRA	0	9216	9222.25
MSA	0.51	2420	9216
MSA	0	9216	9222.25

All depth are actual.







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	Depth Zoned	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DFD	Drilling Fluid Density	Borehole	8.6	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	8432	ft
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST(RT)	
MSA	Minimum Sonic Amplitude	SCMT-CB	Depth Zoned	mV
PDAT	Permanent Datum	WLSESSION	GL	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
SHT	Surface Hole Temperature	Borehole	68	degF
Depth Zone Parameters				
Parameter	Value	Start ( ft )	Stop ( ft )	
CBRA	80	8900	9216	
CBRA	0	9216	9223.5	
MSA	0.51	8900	9216	
MSA	0	9216	9223.5	
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	12 dB	
One				

# CBL Free Pipe

## Software Version

Acquisition System

Maxwell 2017 SP3

Version

7.3.92069.3100

## Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[2]:Up	Up	894.06 ft	1155.48 ft	22-Dec-2017 2:24:44 AM	22-Dec-2017 2:30:25 AM	ON	0.00 ft	No

All depths are referenced to toolstring zero

## Log

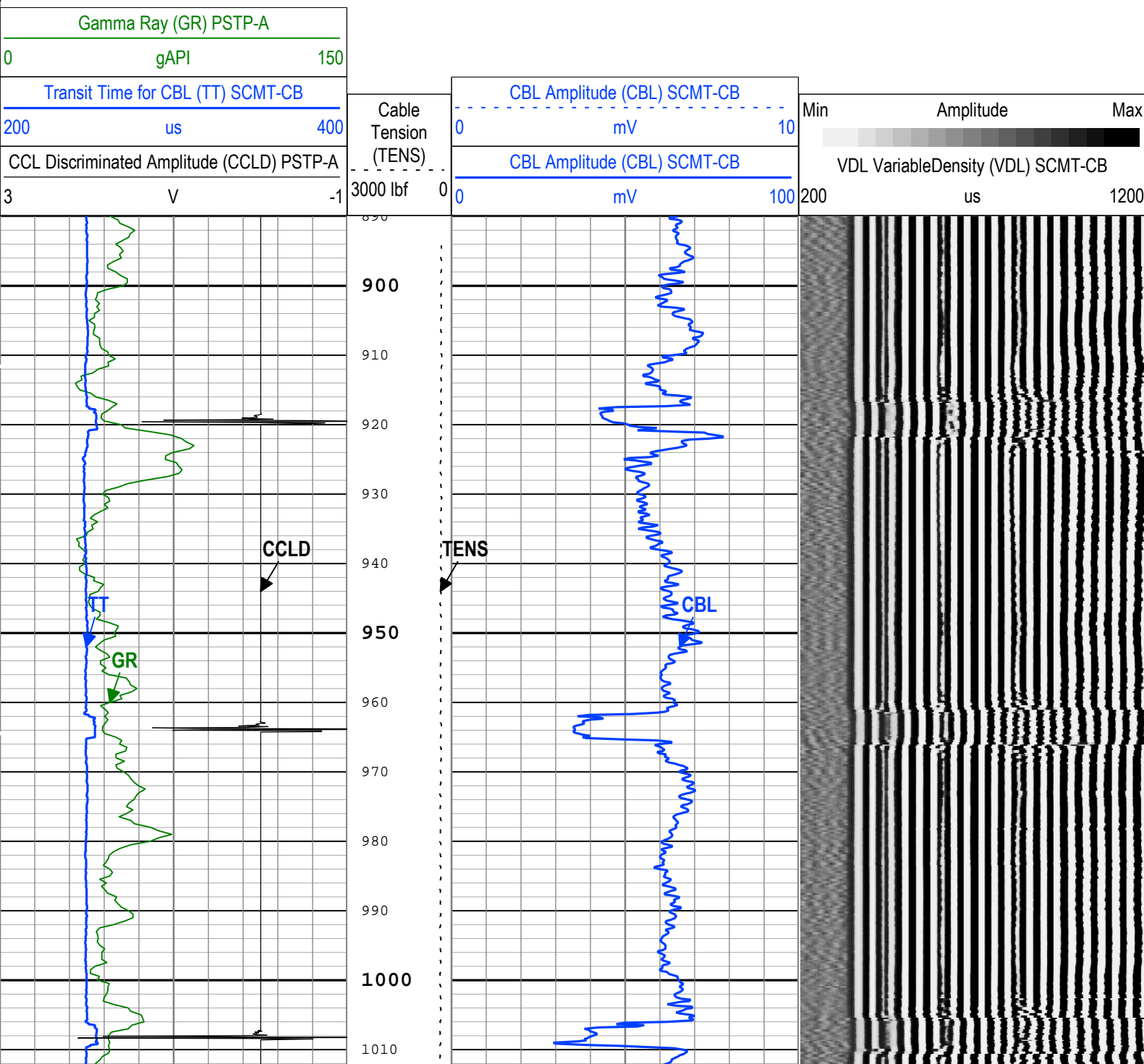
Company:Caerus Operating LLC

Well:Puckett 11A-26 697

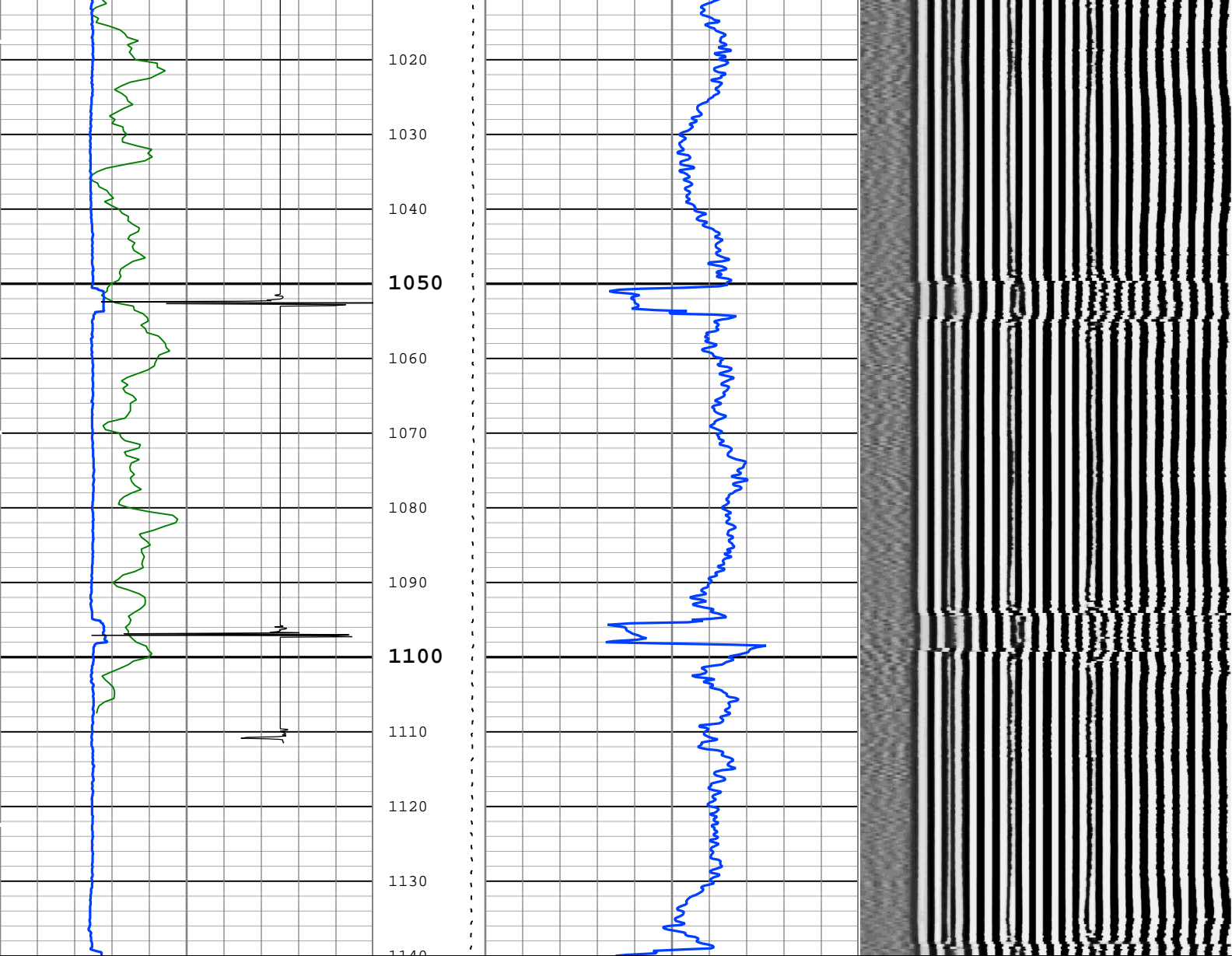
One: Log[2]:Up:S006

Description: SCMT Amplitudes and VDL Format: Log ( SCMT\_Amp\_VDL ) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth  
Creation Date: 22-Dec-2017 06:24:27

TIME\_1900 - Time Marked every 60.00 (s)







Gamma Ray (GR) PSTP-A	Cable Tension (TENS)	CBL Amplitude (CBL) SCMT-CB	Min	Amplitude	Max
0 gAPI 150	3000 lbf 0	0 mV 10			
Transit Time for CBL (TT) SCMT-CB		CBL Amplitude (CBL) SCMT-CB		VDL VariableDensity (VDL) SCMT-CB	
200 us 400		0 mV 100	200	us	1200
CCL Discriminated Amplitude (CCLD) PSTP-A					
3 V -1					

TIME\_1900 - Time Marked every 60.00 (s)

Description: SCMT Amplitudes and VDL    Format: Log ( SCMT\_Amp\_VDL )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth  
Creation Date: 22-Dec-2017 06:24:27

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	8.6	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	8432	ft
GGRD	Geothermal Gradient	Borehole	1	0.01 degF/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST(RT)	
MSA	Minimum Sonic Amplitude	SCMT-CB	0.51	mV
PDAT	Permanent Datum	WLSESSION	GL	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
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

## Sigma Main Pass

## Software Version

Acquisition System	Version
Maxwell 2017 SP3	7.3.92069.3100

## Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[6]:Up	Up	2416.63 ft	9222.26 ft	22-Dec-2017 3:39:52 AM	22-Dec-2017 5:55:24 AM	ON	6.36 ft	Yes

All depths are referenced to toolstring zero

## Log

Company:Caerus Operating LLC

Well:Puckett 11A-26 697

One: Log[6]:Up:S006

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: 22-Dec-2017 06:24:30

—IHV - Integrated Hole Volume every 10.00 (ft3)

TIME\_1900 - Time Marked every 60.00 (s)

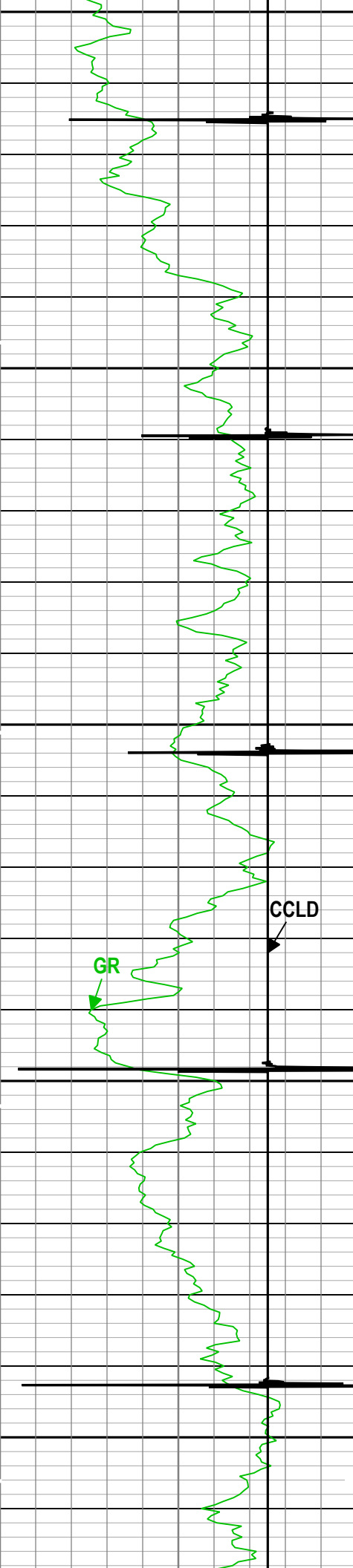
—| IHV - Integrated Hole Volume every 100.00 (ft3)

—ICV - Integrated Cement Volume every 10.00 (ft3)

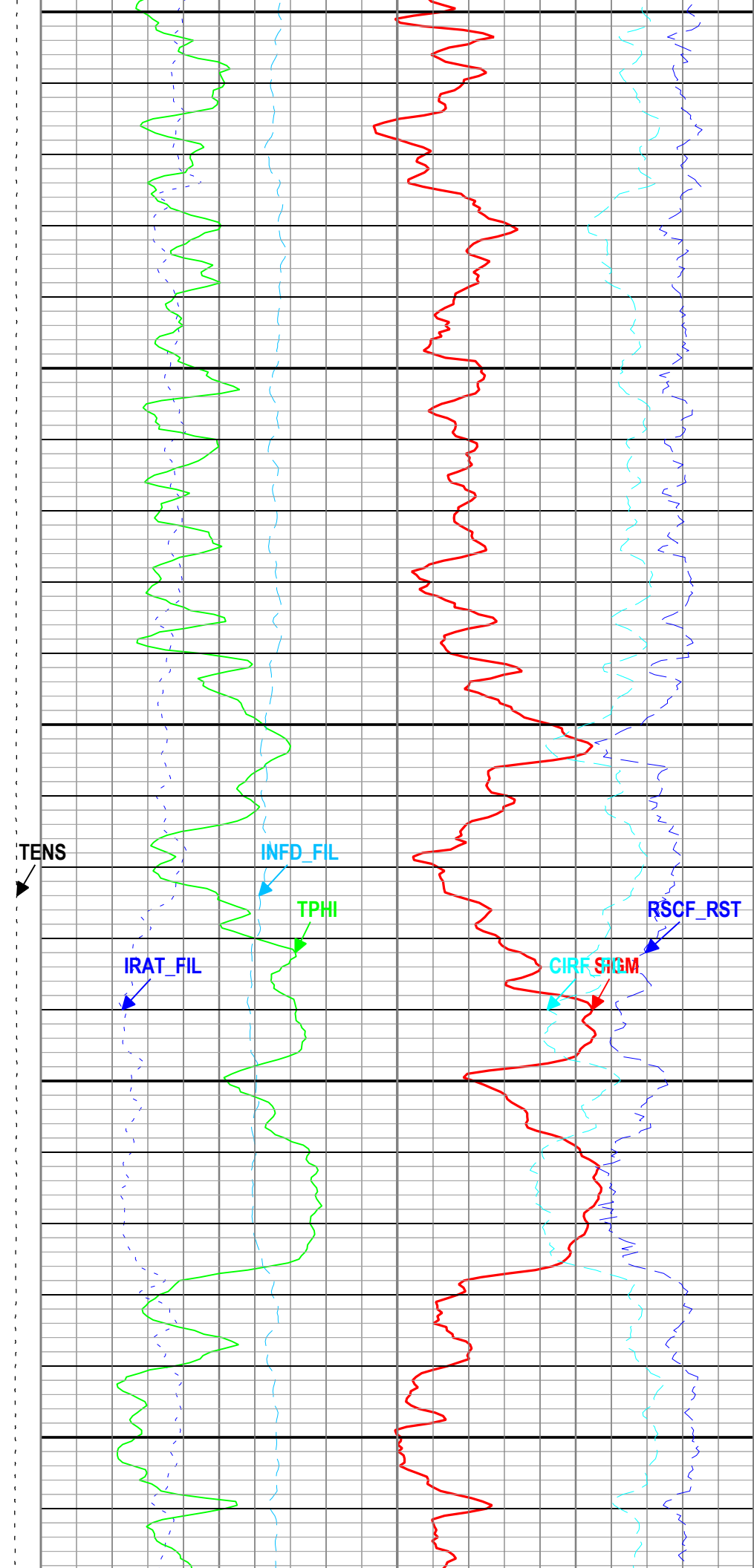
TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

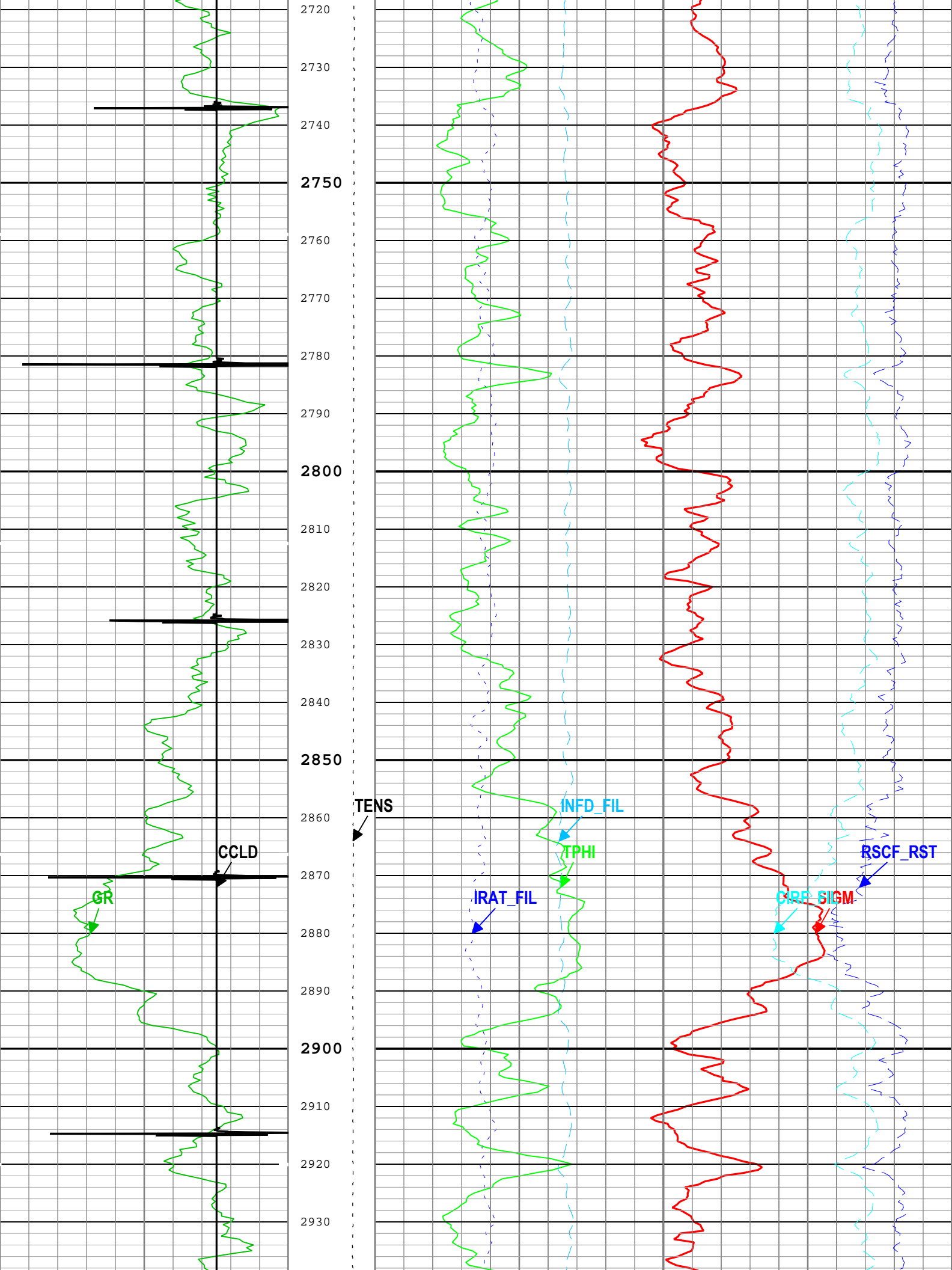
— ICV - Integrated Cement Volume every 100.00 (ft3)

<div>Gamma Ray (GR) PSTP-A</div> <div>0gAPI150</div>		<div>Cable Tension (TENS)</div> <div>3000 lbf0</div>	<div>Inelastic Ratio Filtered (IRAT_FIL) RST-C</div> <div>0.750</div>		<div>Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C</div> <div>50</div>	
<div>CCL Discriminated Amplitude (CCLD) PSTP-A</div> <div>-3V1</div>			<div>Thermal Decay Porosity (TPHI) RST-C</div> <div>0.6ft3/ft30</div>			
			<div>Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C</div> <div>100001/s0</div>			<div>Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C</div> <div>450</div>
			<div>Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C</div> <div>60cu0</div>			

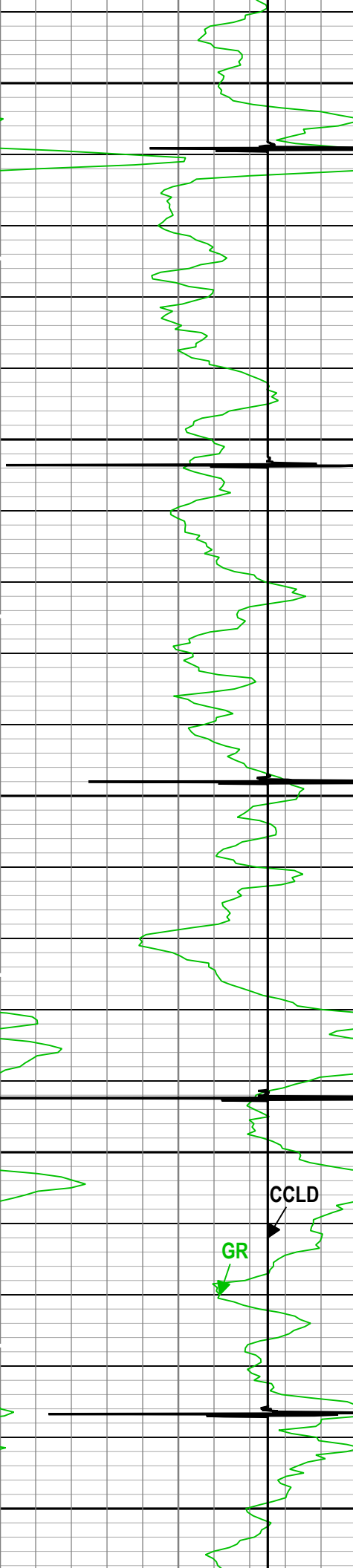


2500  
2510  
2520  
2530  
2540  
2550  
2560  
2570  
2580  
2590  
2600  
2610  
2620  
2630  
2640  
2650  
2660  
2670  
2680  
2690  
2700  
2710

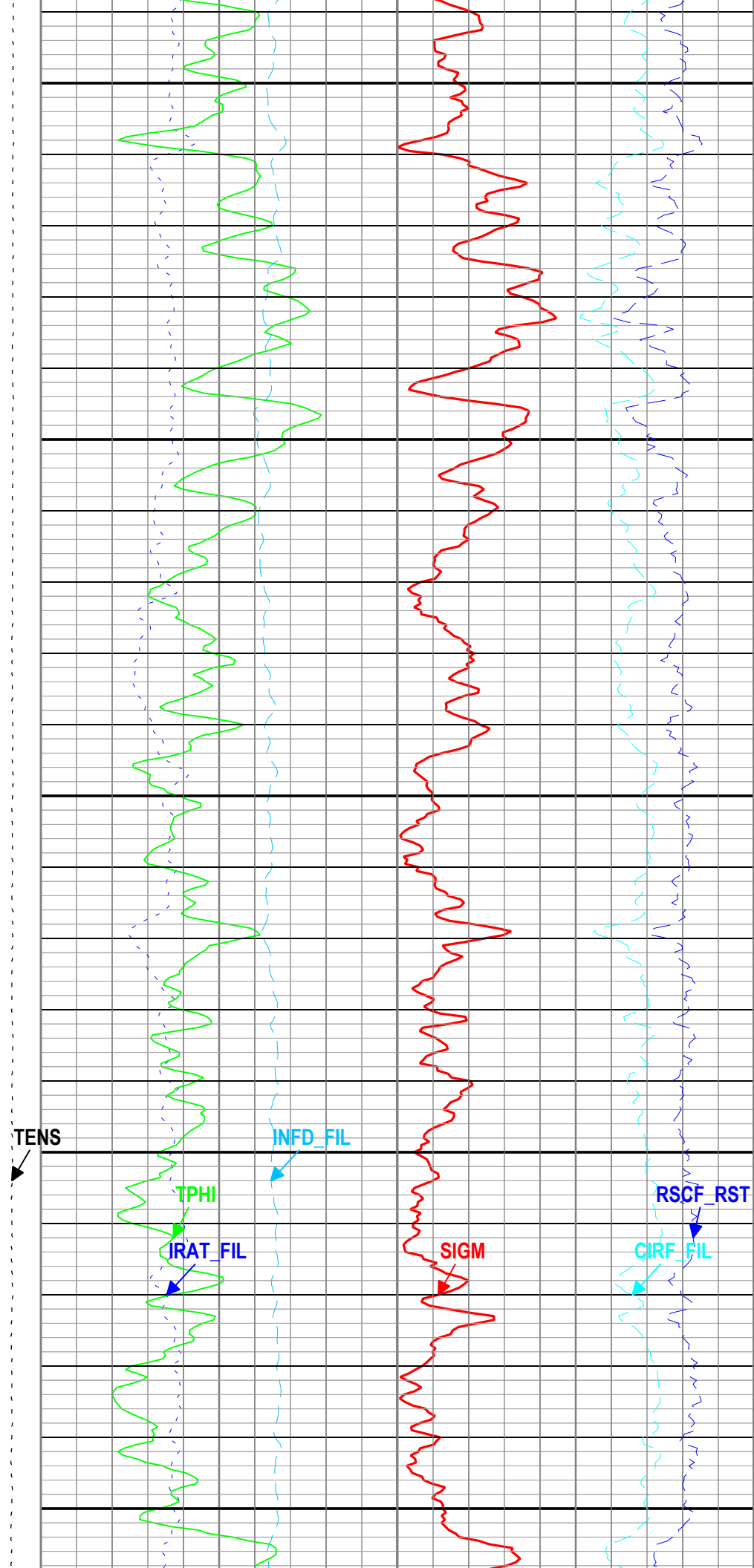








2940  
2950  
2960  
2970  
2980  
2990  
3000  
3010  
3020  
3030  
3040  
3050  
3060  
3070  
3080  
3090  
3100  
3110  
3120  
3130  
3140  
3150



TENS

INFD\_FIL

RSCF\_RST

GR

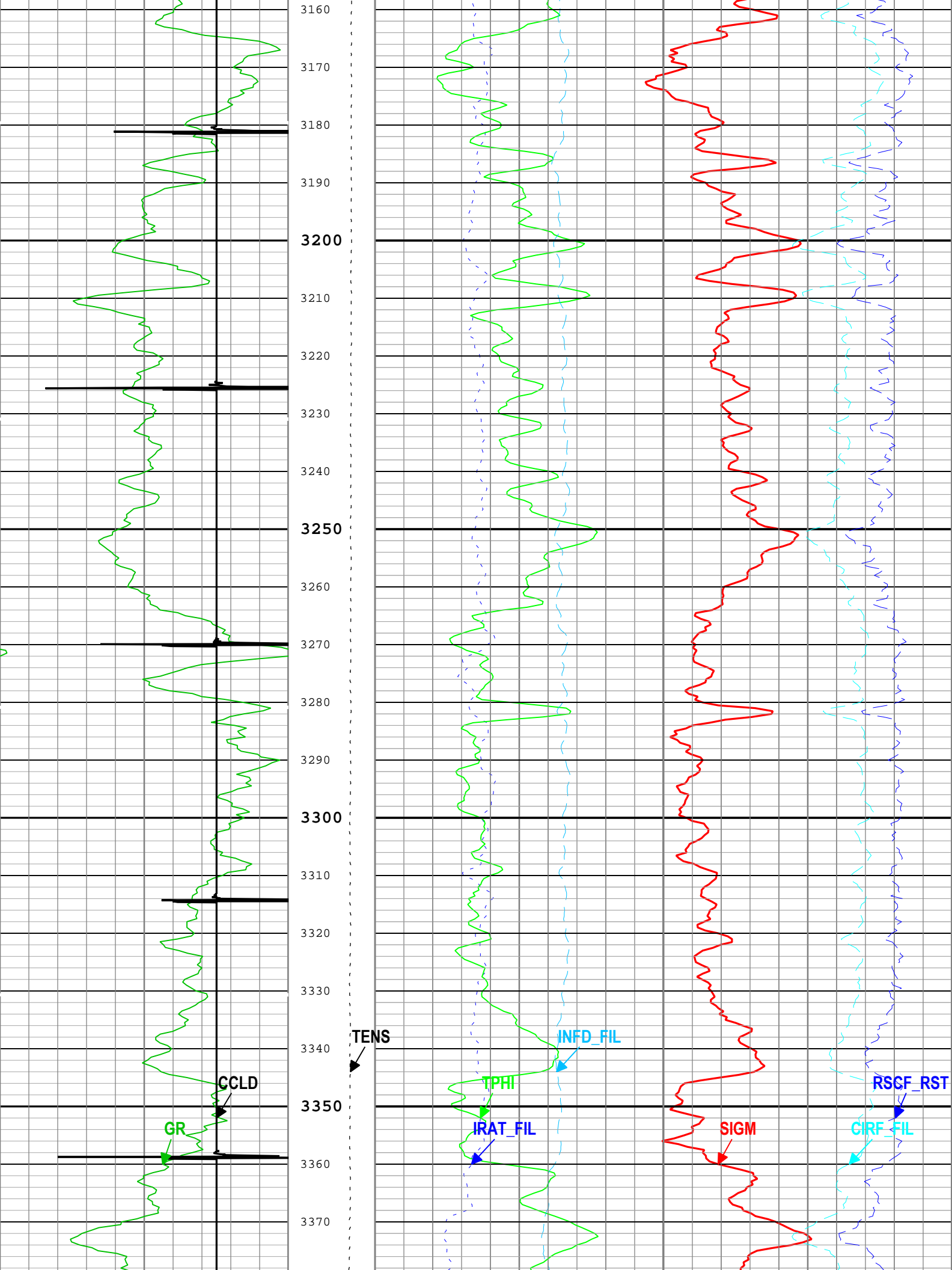
CCLD

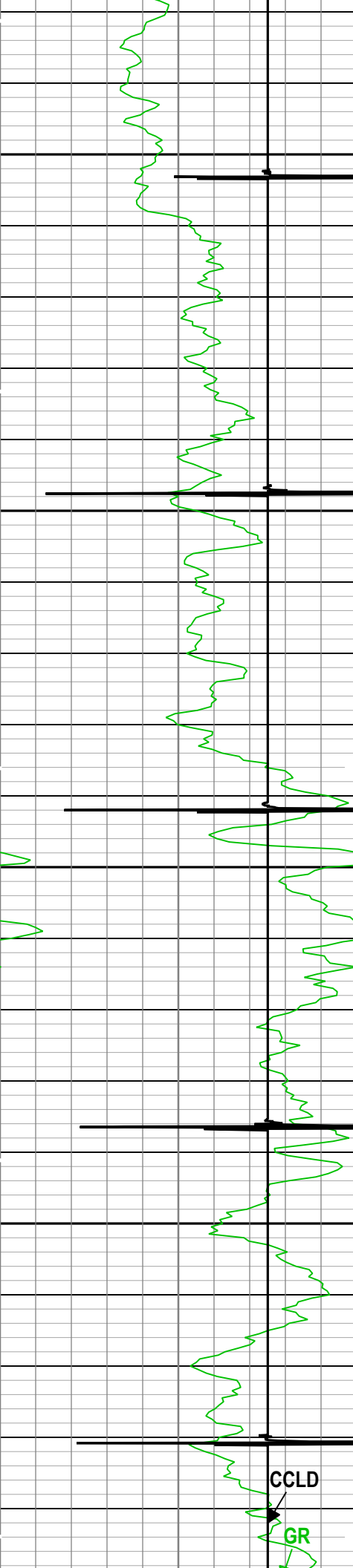
TPHI

IRAT\_FIL

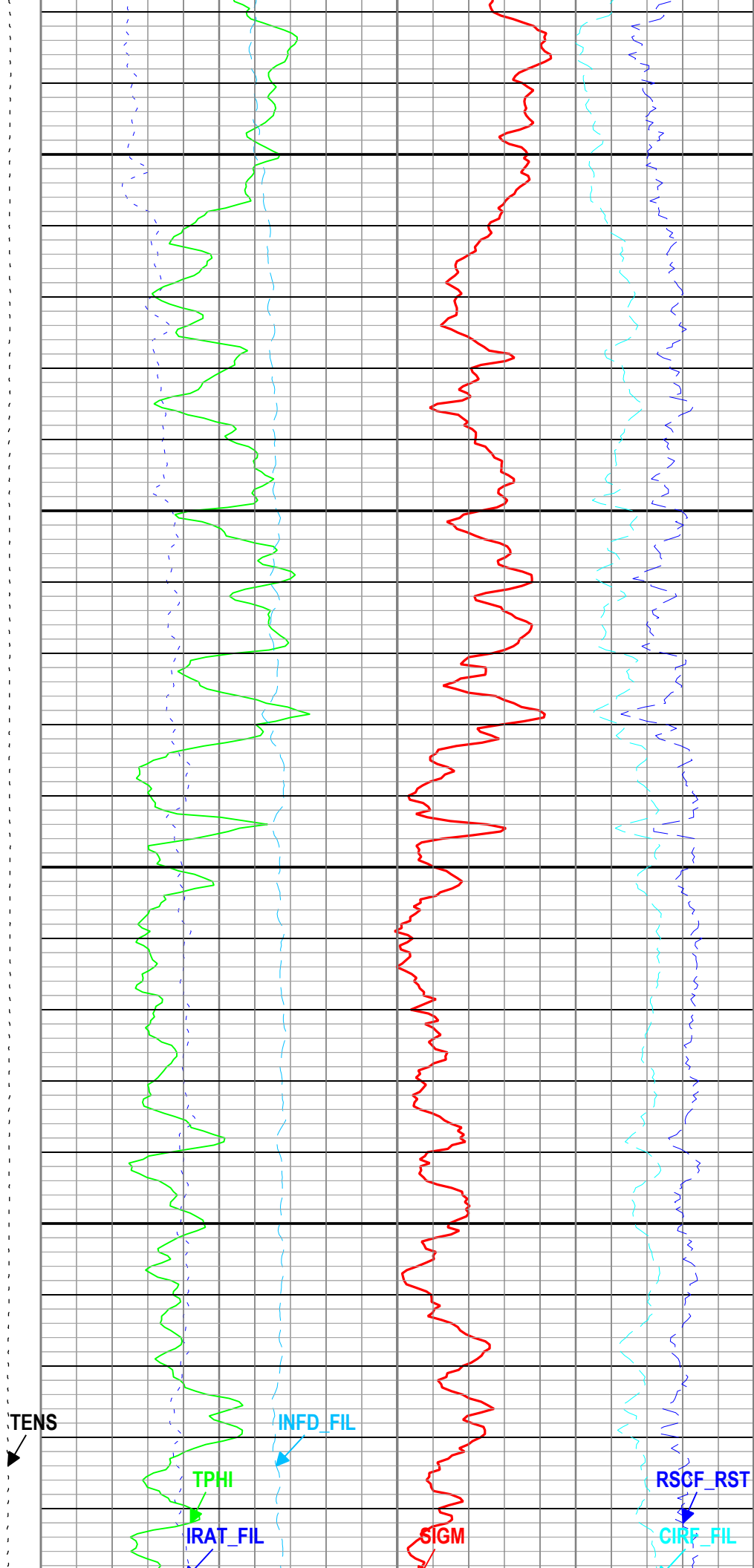
SIGM

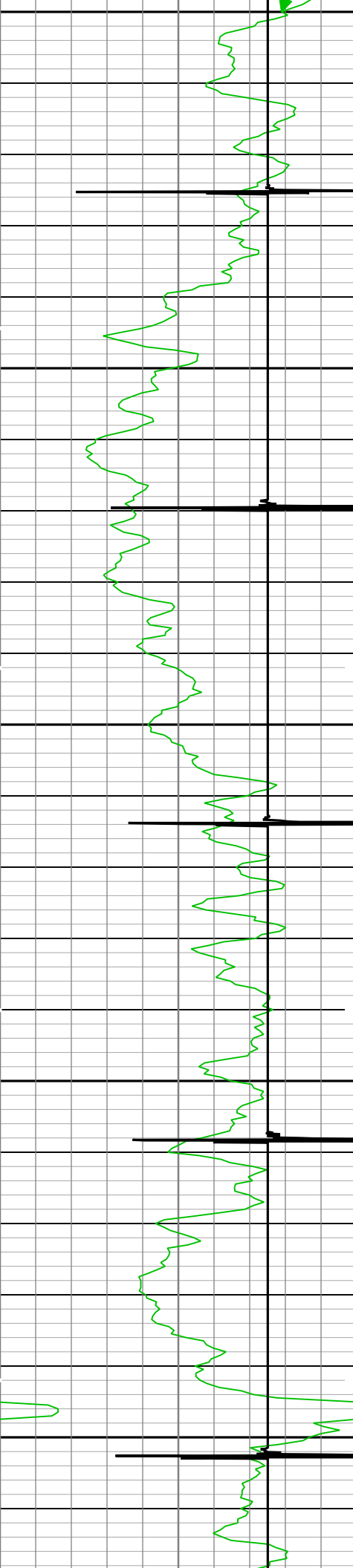
CIRF\_FIL



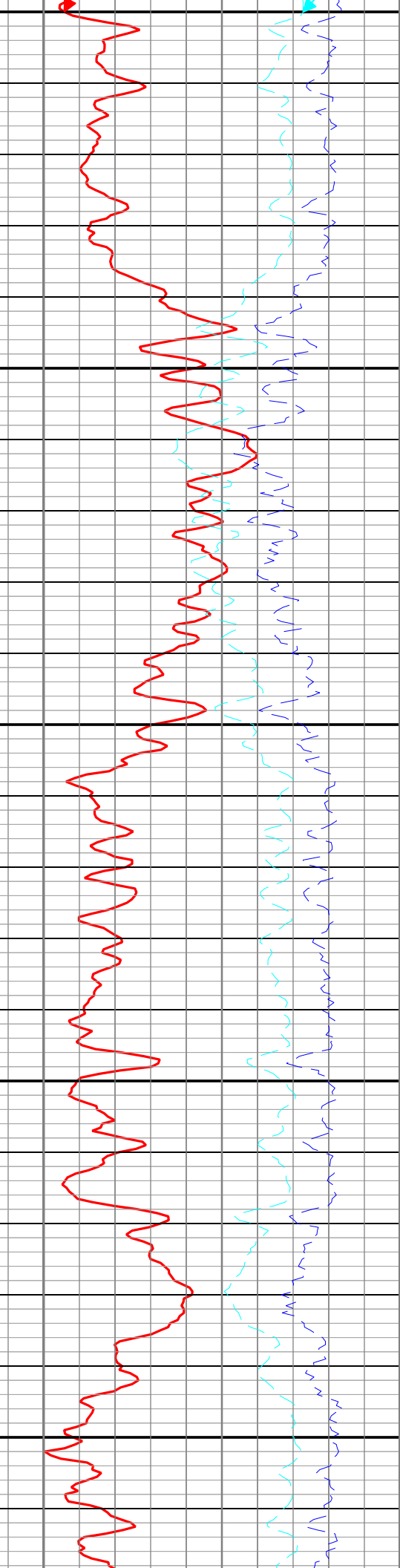
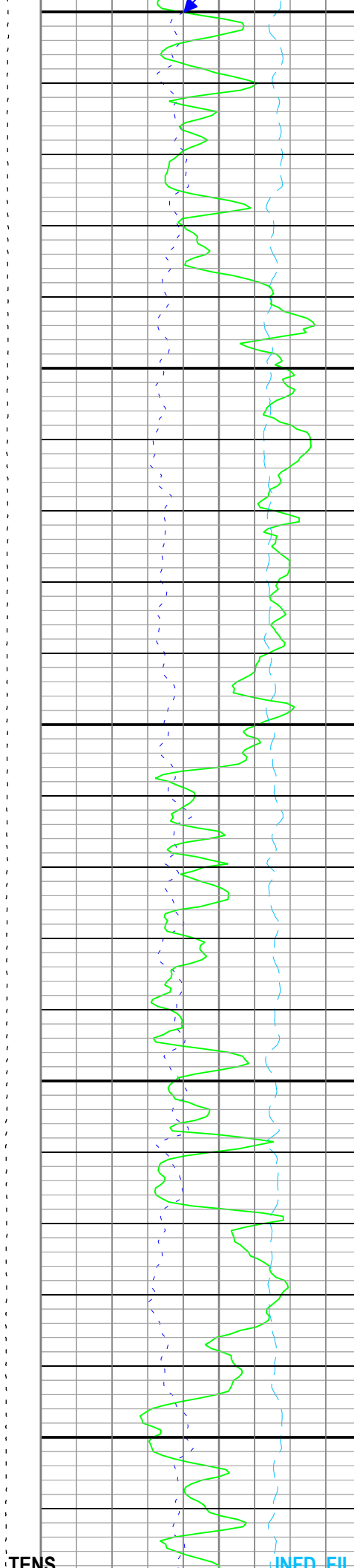


3380  
3390  
3400  
3410  
3420  
3430  
3440  
3450  
3460  
3470  
3480  
3490  
3500  
3510  
3520  
3530  
3540  
3550  
3560  
3570  
3580  
3590



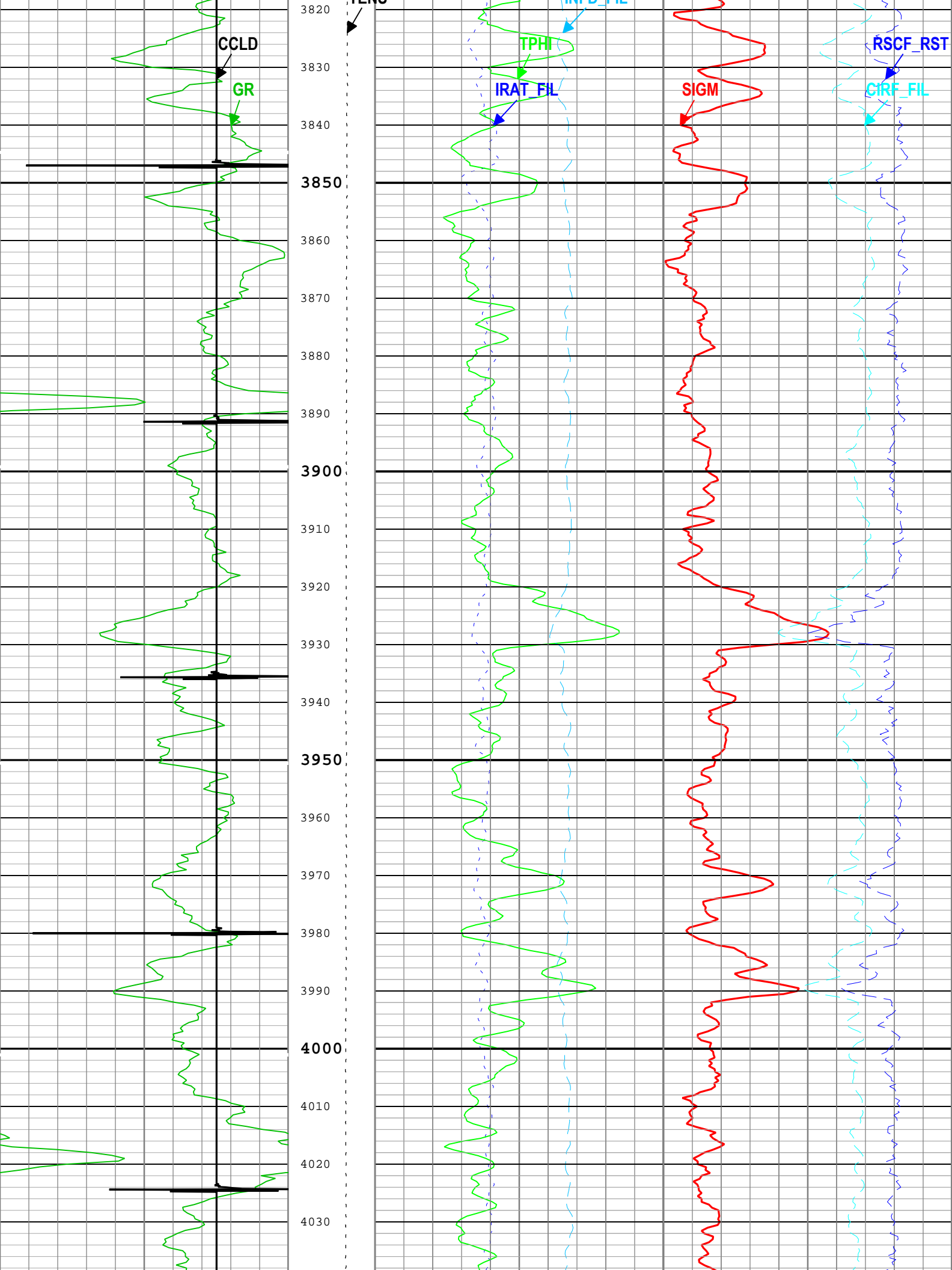


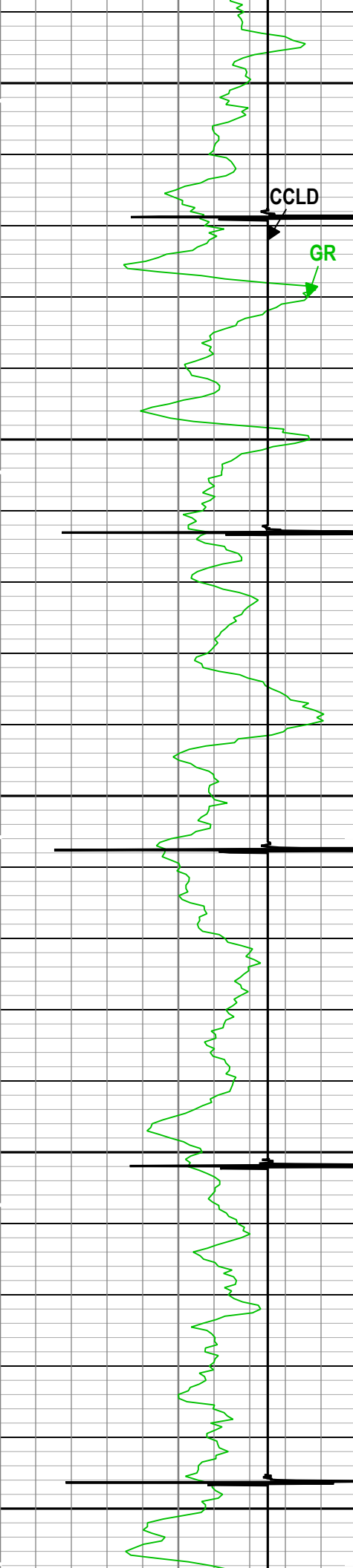
3600  
3610  
3620  
3630  
3640  
3650  
3660  
3670  
3680  
3690  
3700  
3710  
3720  
3730  
3740  
3750  
3760  
3770  
3780  
3790  
3800  
3810



TENS  
INED FI





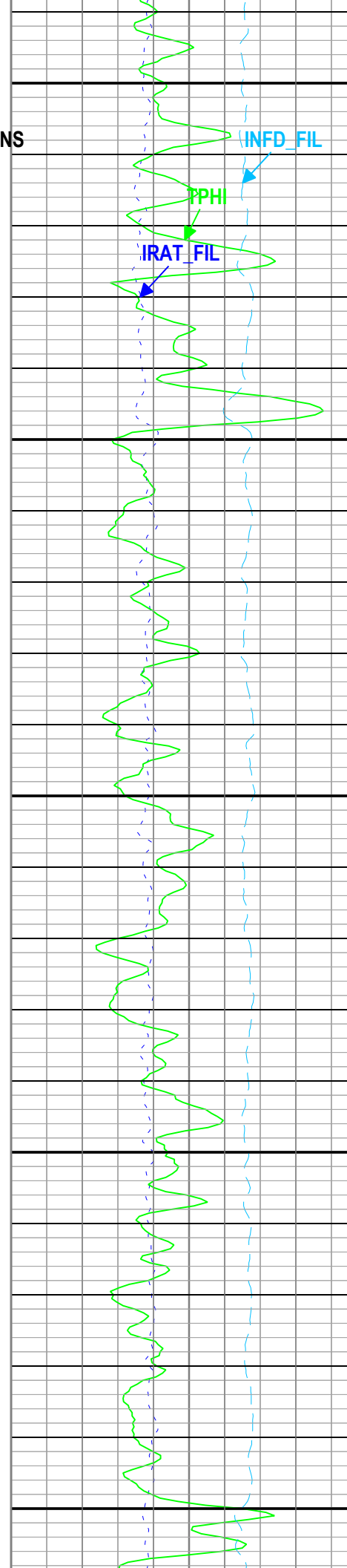


4040  
4050  
4060  
4070  
4080  
4090  
4100  
4110  
4120  
4130  
4140  
4150  
4160  
4170  
4180  
4190  
4200  
4210  
4220  
4230  
4240  
4250

TENS

CCLD

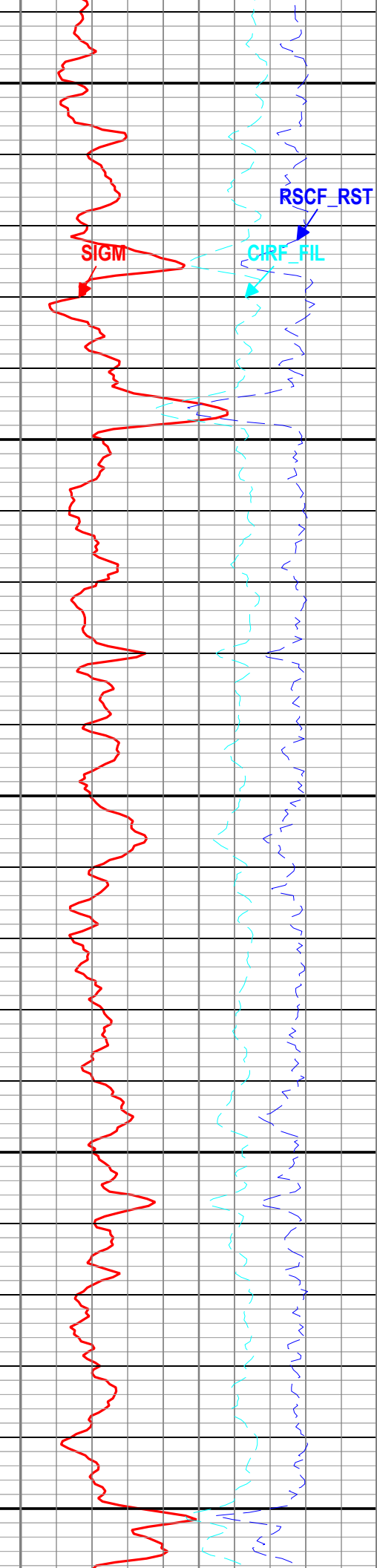
GR



PPHI

IRAT\_FIL

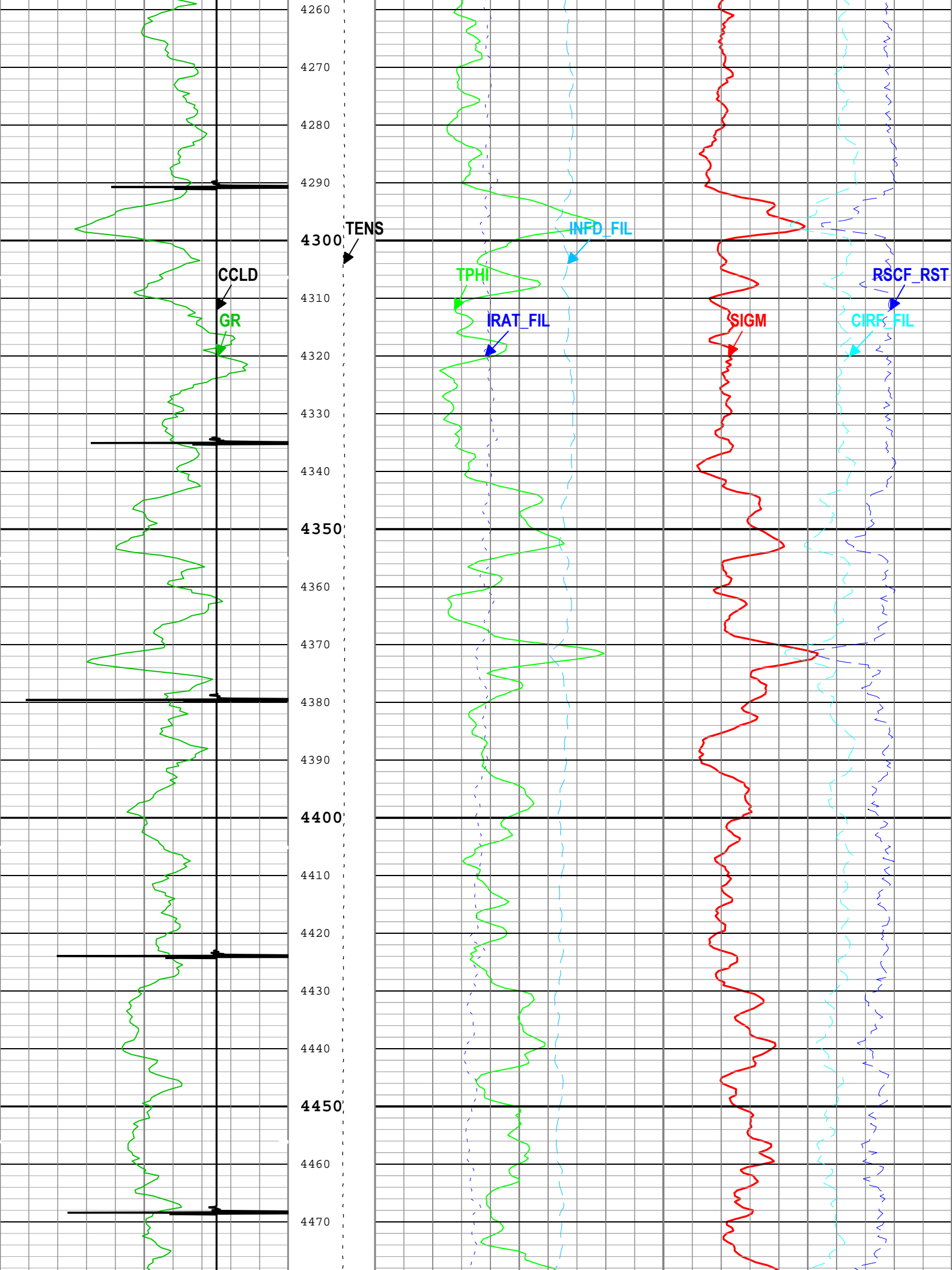
INFD\_FIL

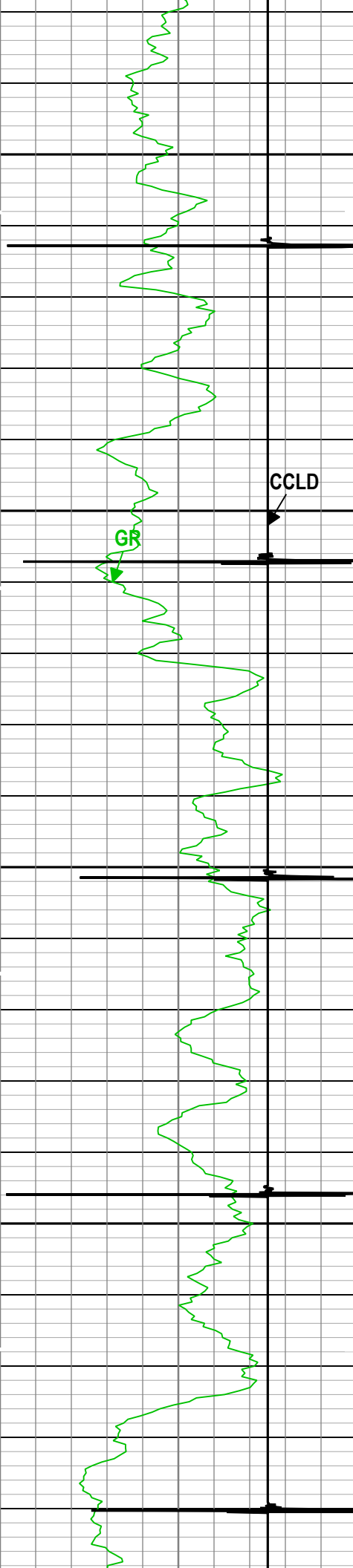


SIGM

CIRF\_FIL

RSCF\_RST



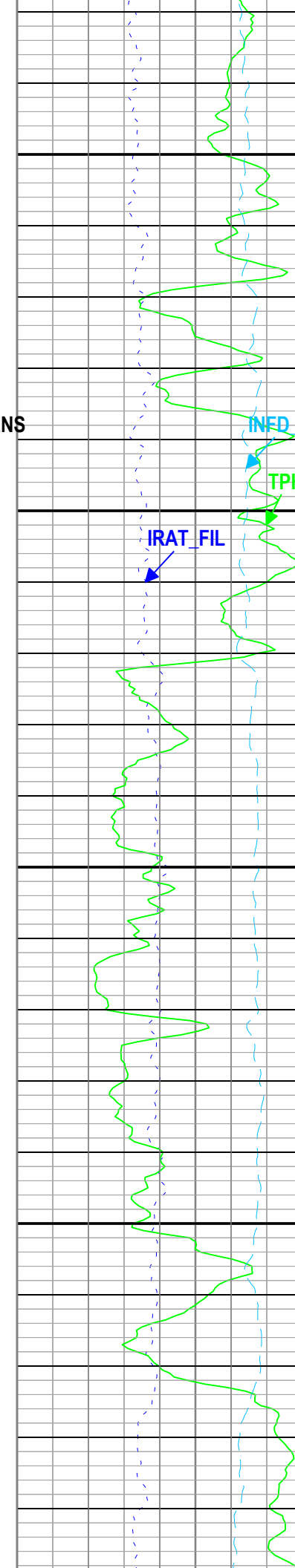


4480  
4490  
4500  
4510  
4520  
4530  
4540  
4550  
4560  
4570  
4580  
4590  
4600  
4610  
4620  
4630  
4640  
4650  
4660  
4670  
4680  
4690

TENS

CCLD

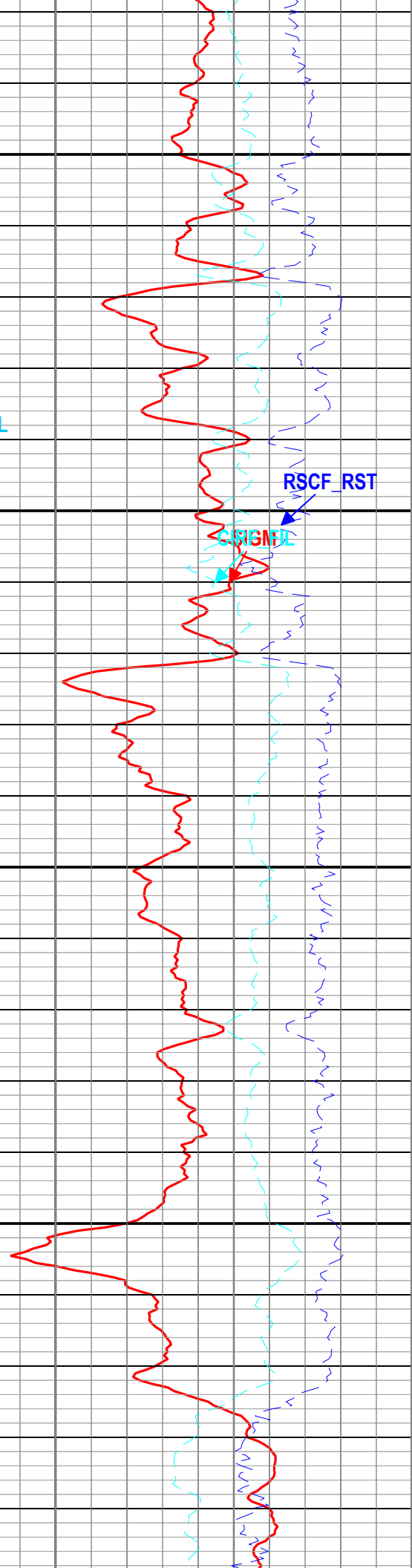
GR



INED\_FIL

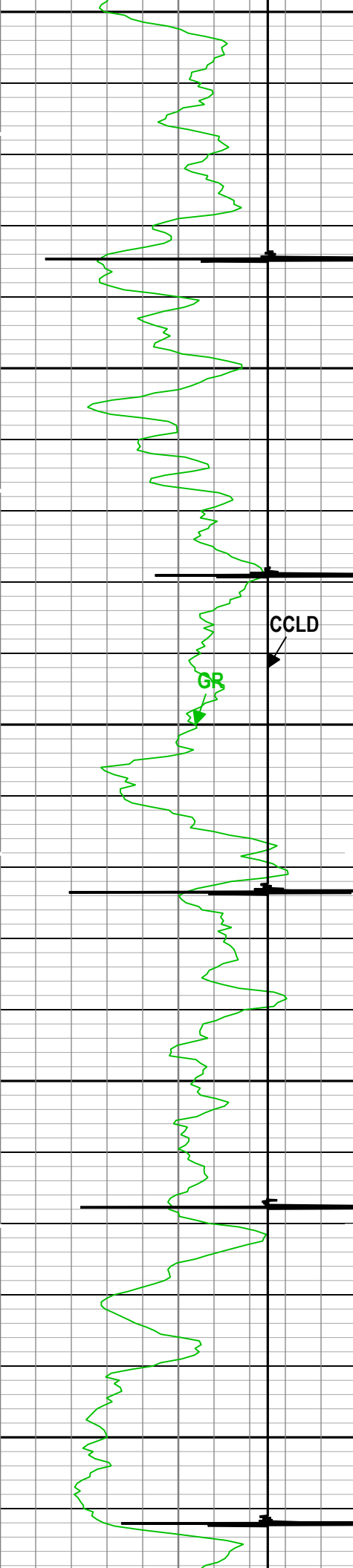
TPHI

IRAT\_FIL



RSCF\_RST

CRIGM\_FIL

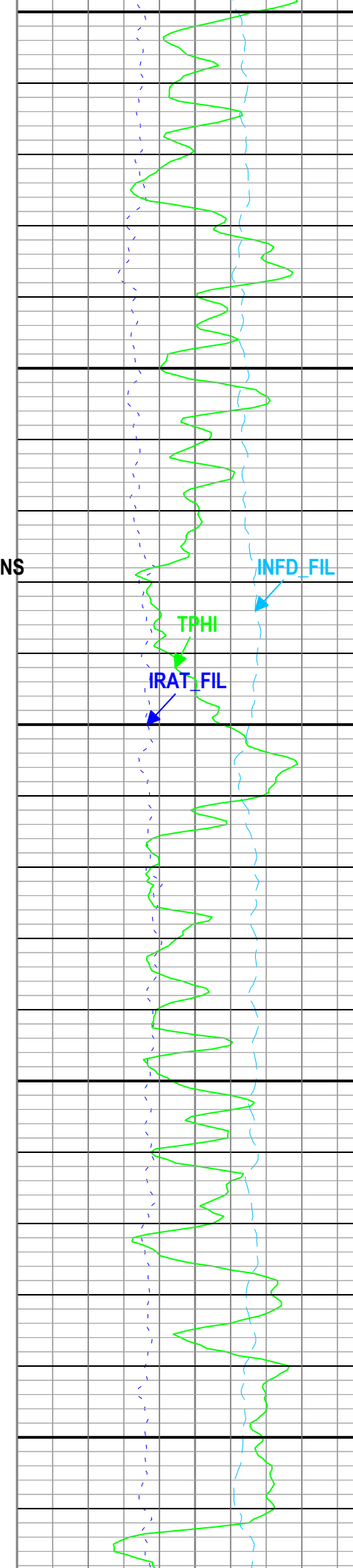


4700  
4710  
4720  
4730  
4740  
4750  
4760  
4770  
4780  
4790  
4800  
4810  
4820  
4830  
4840  
4850  
4860  
4870  
4880  
4890  
4900  
4910

TENS

CCLD

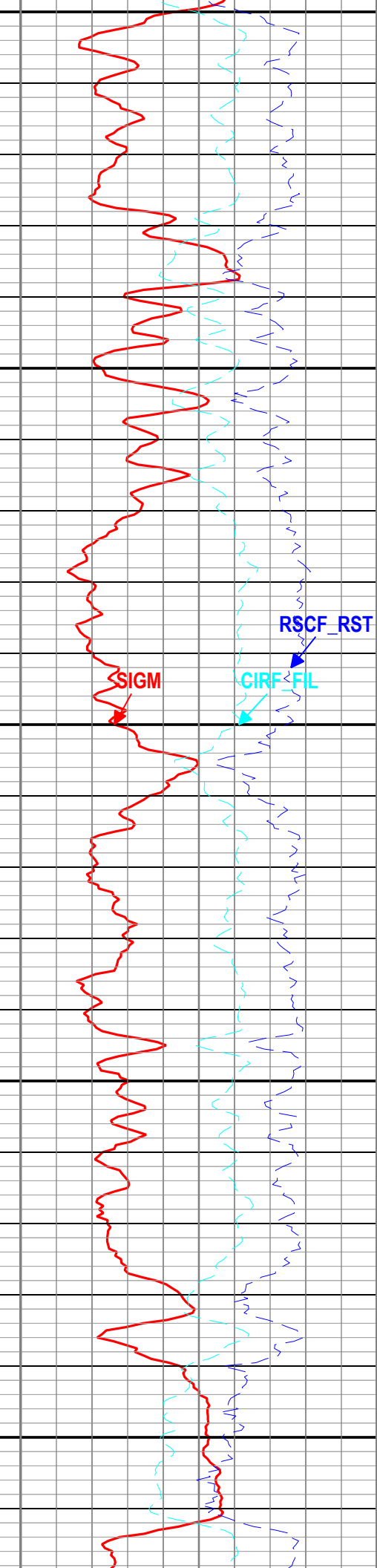
GR



TPHI

IRAT\_FIL

INFD\_FIL

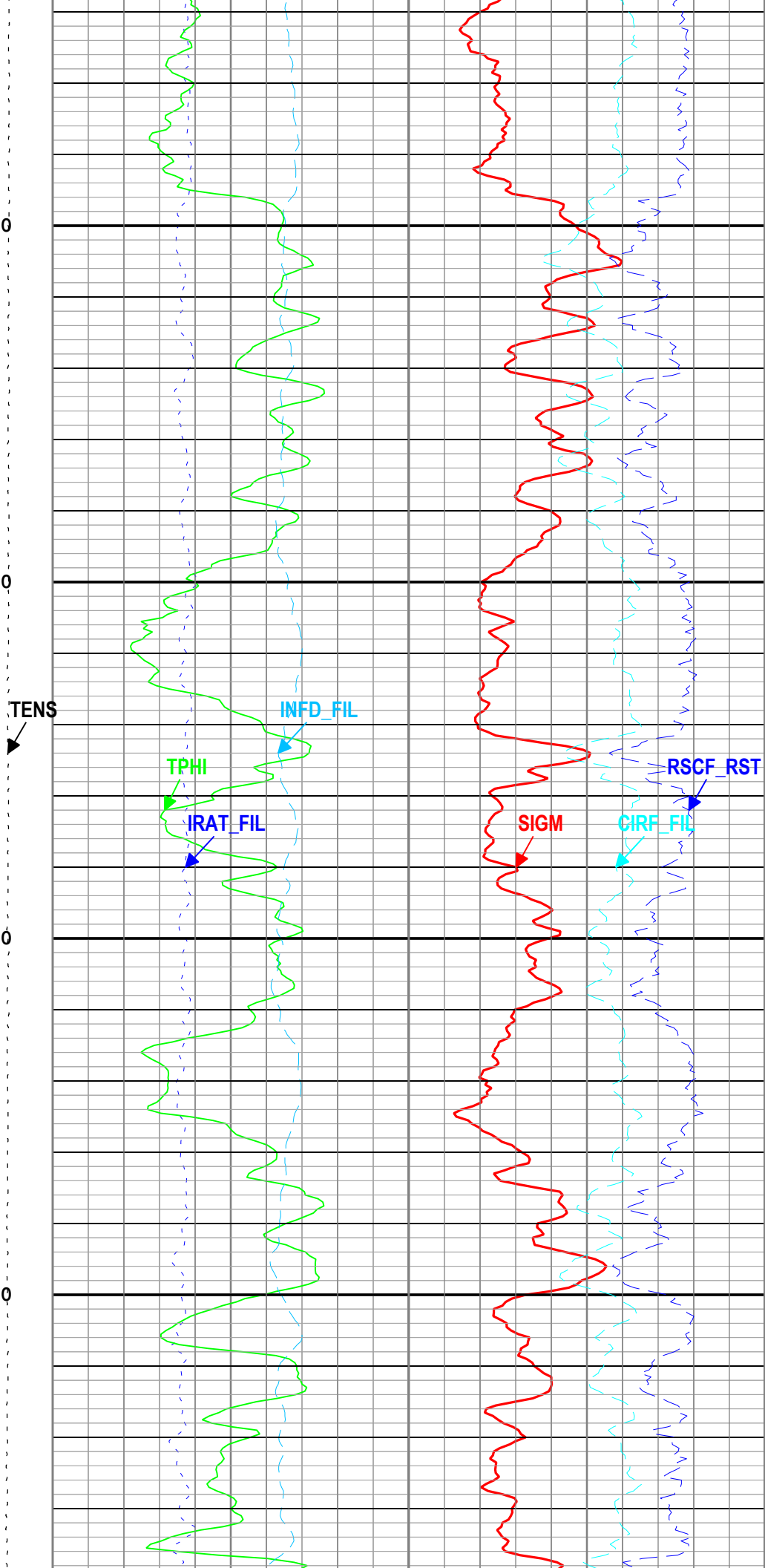
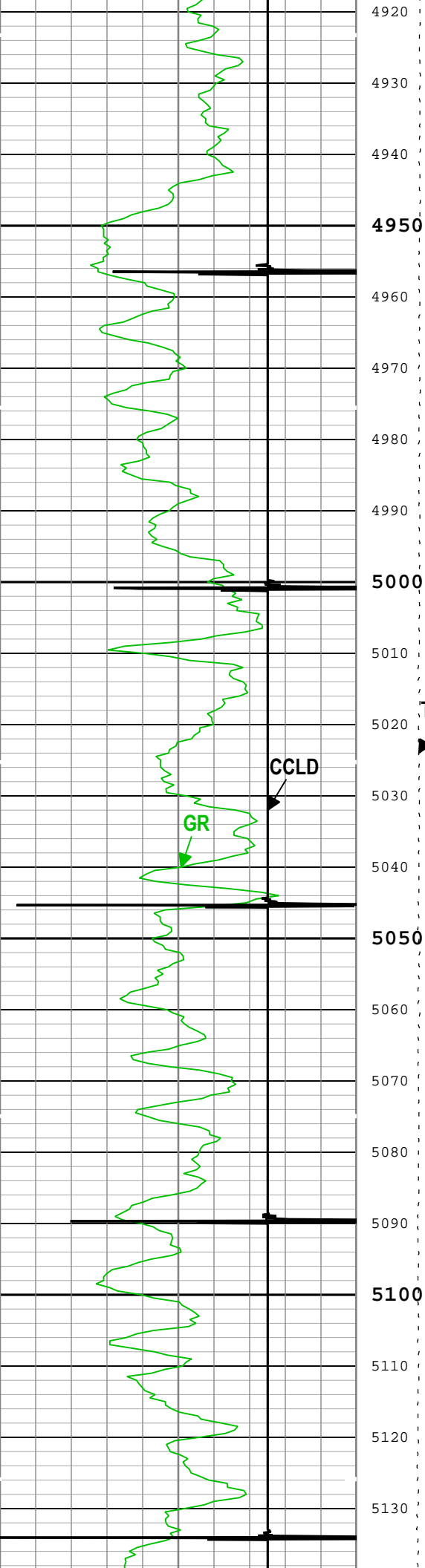


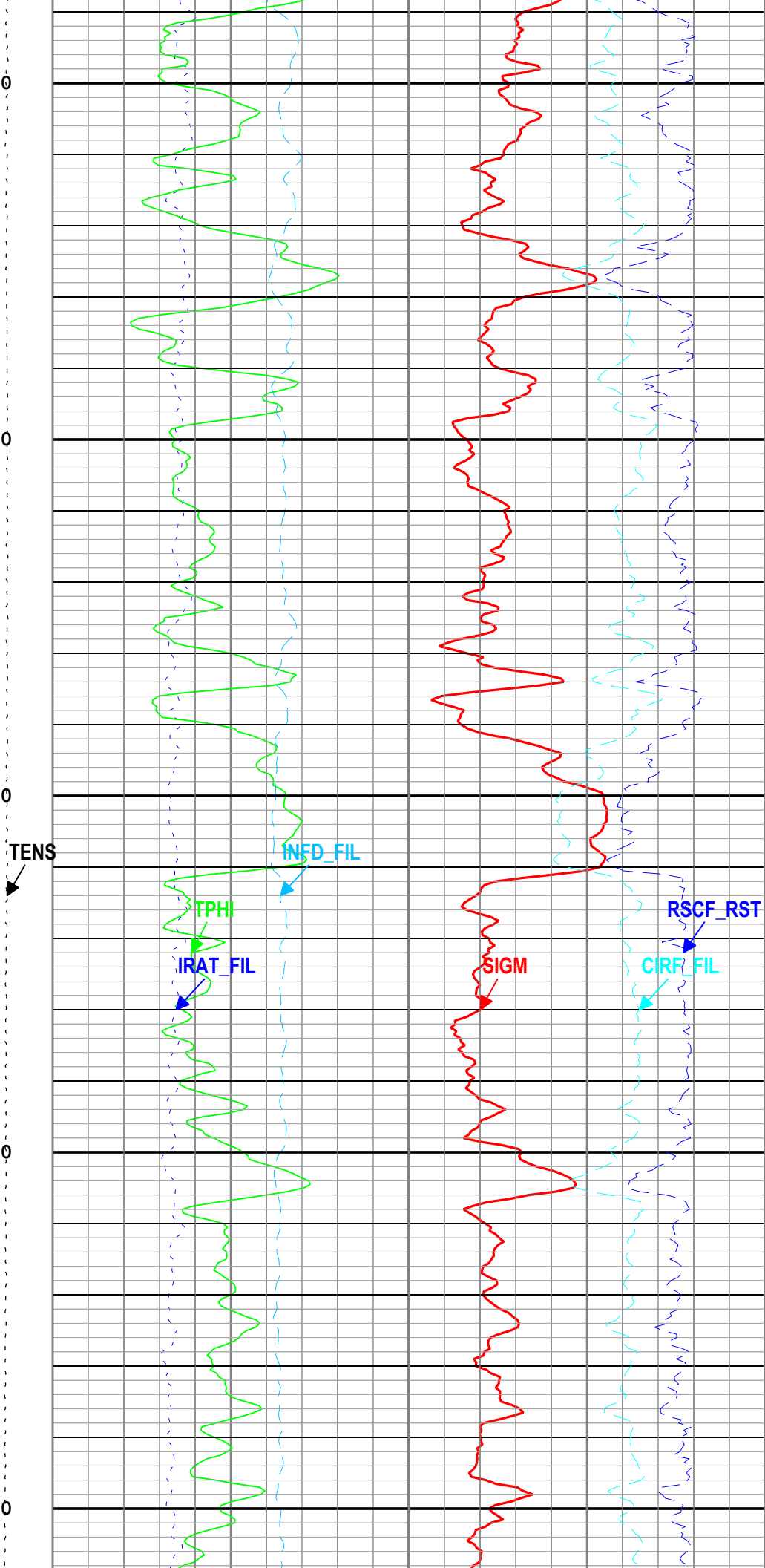
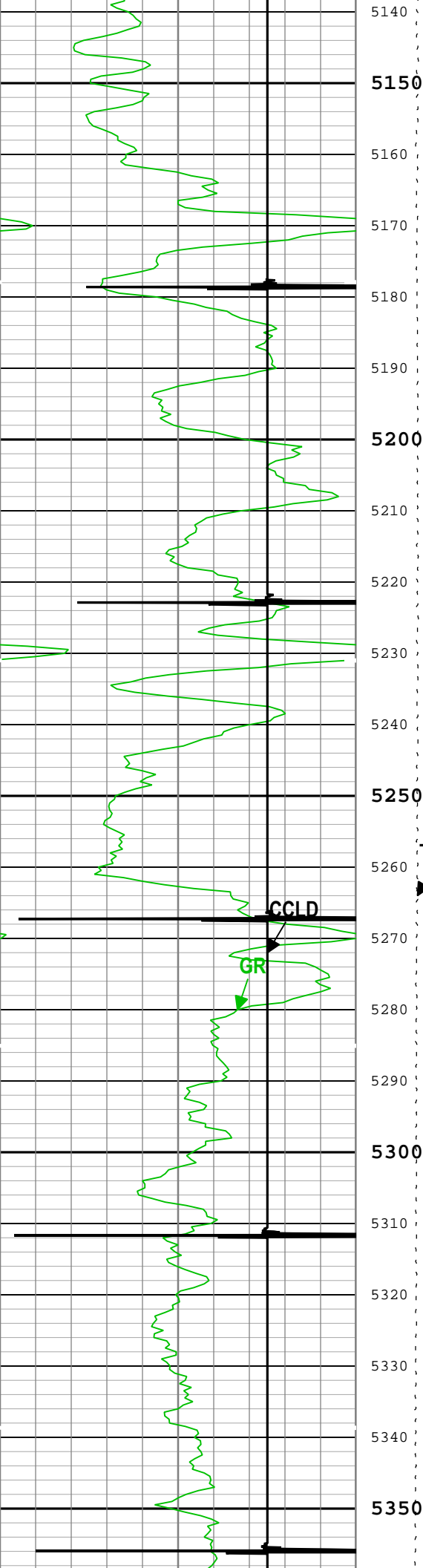
SIGM

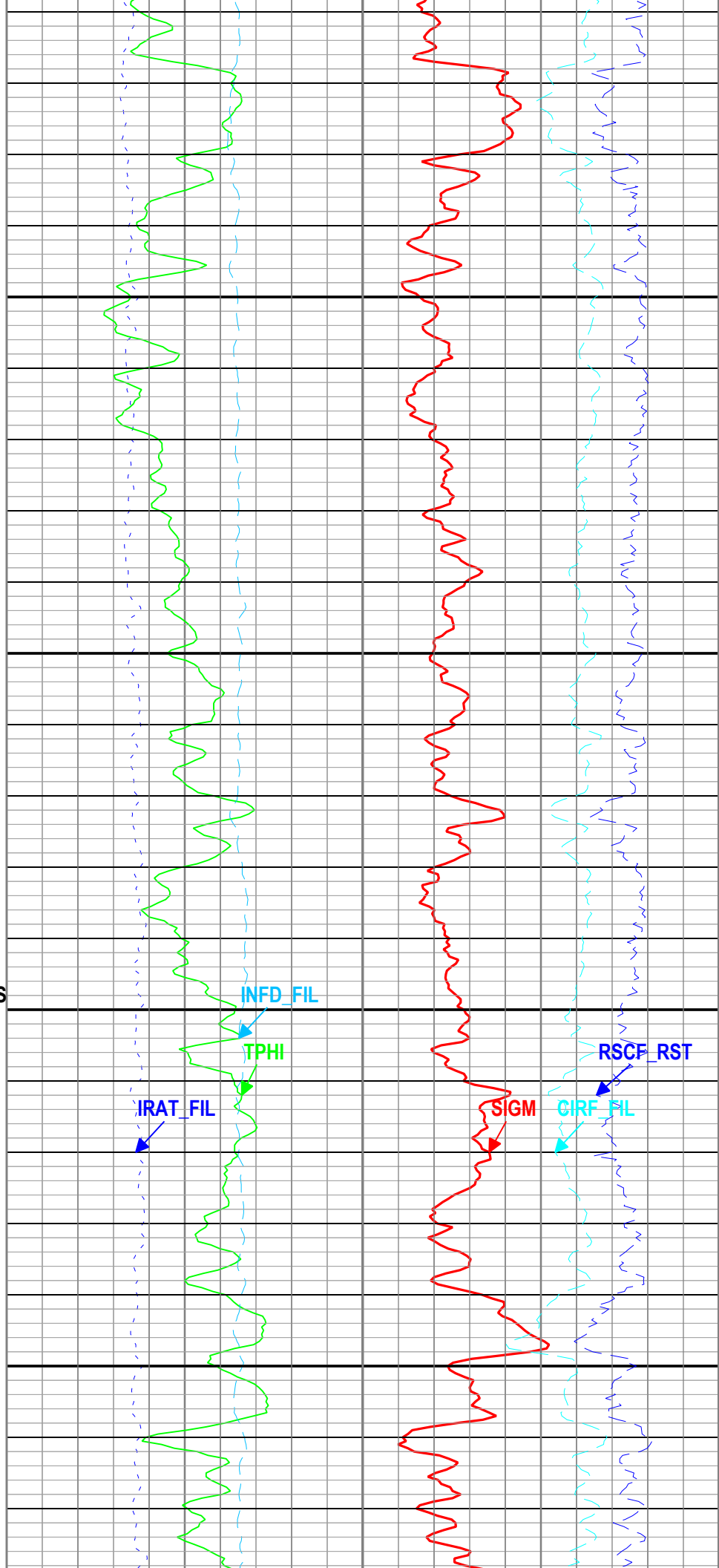
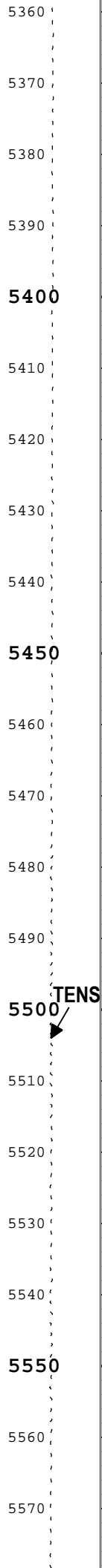
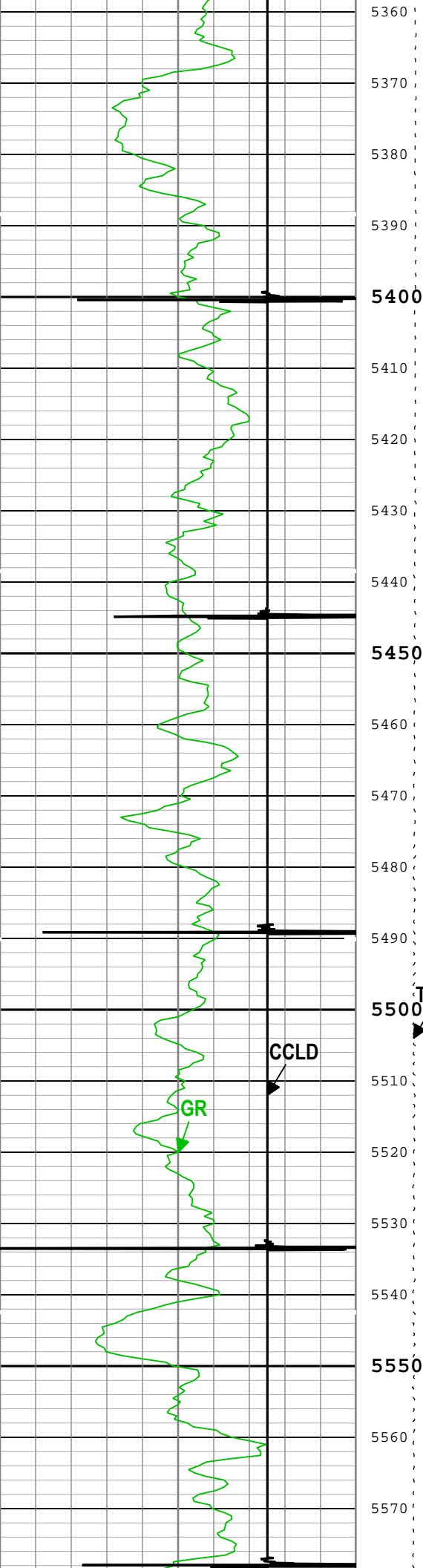
CIRF\_FIL

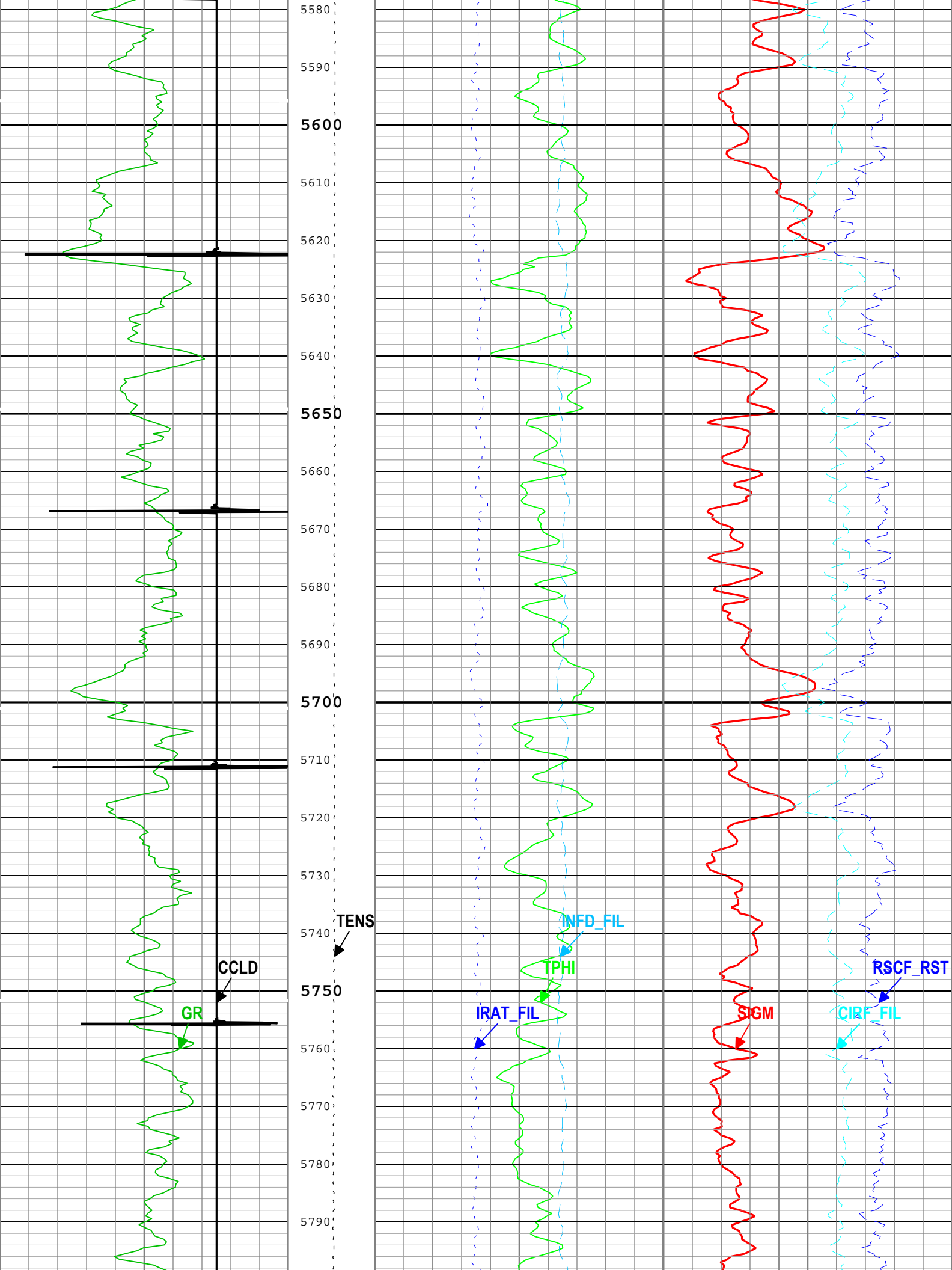
RSCF\_RST

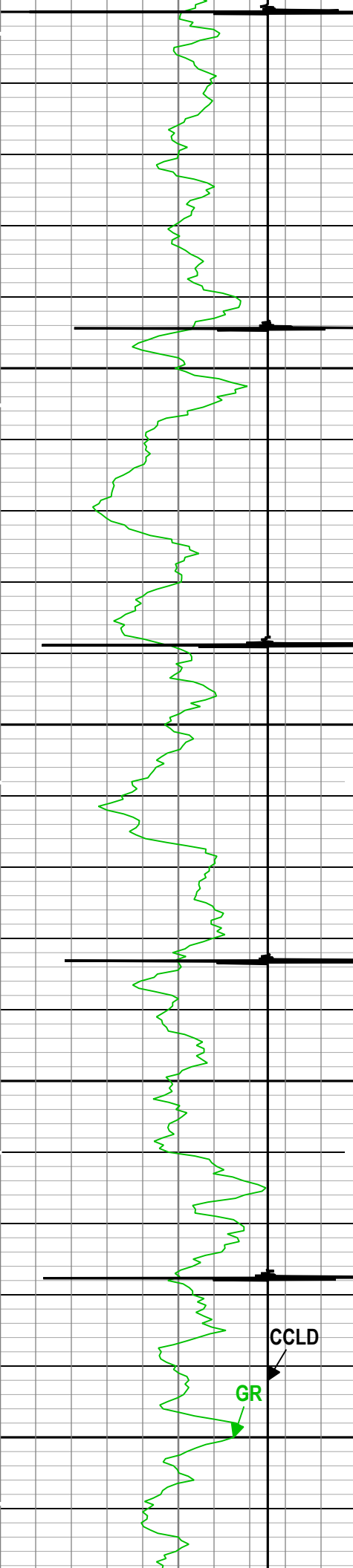










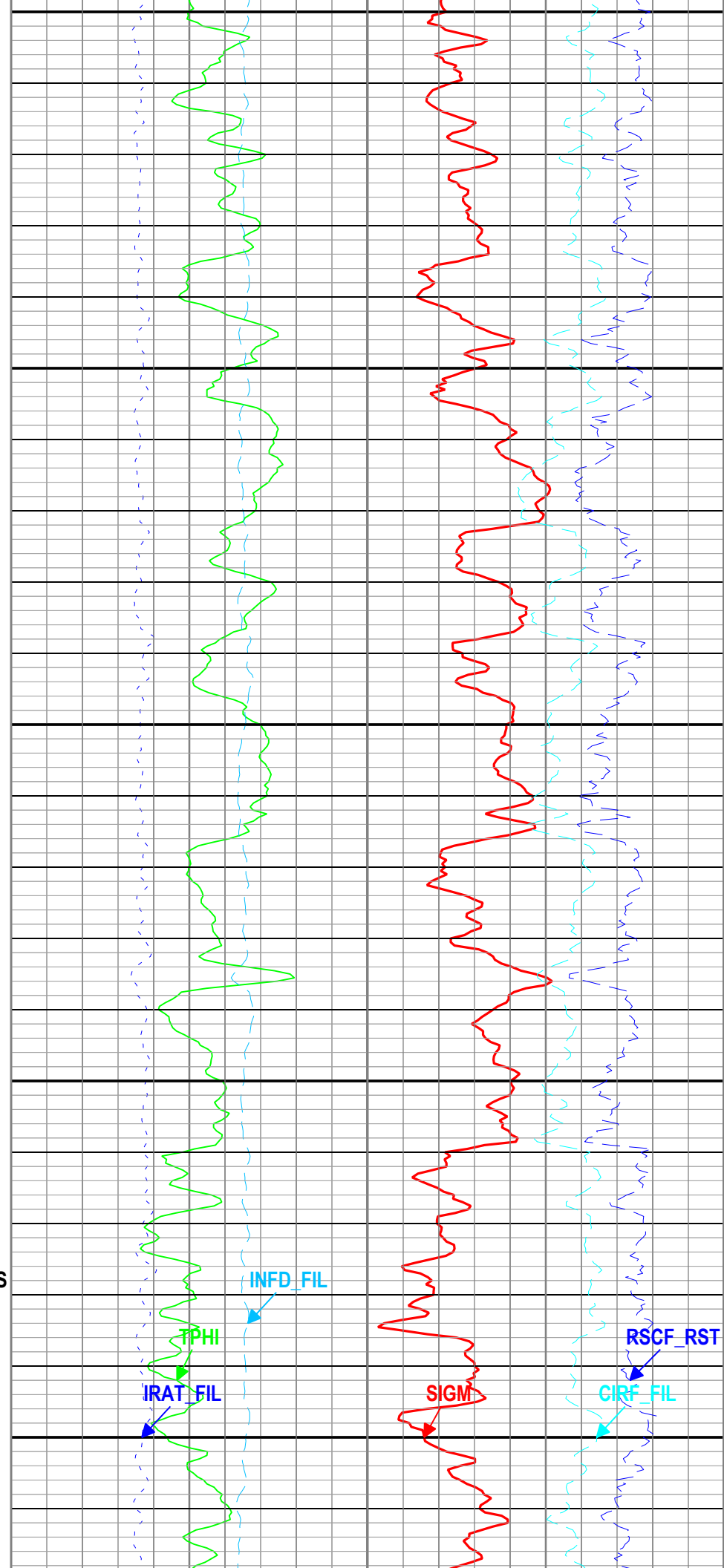


5800  
5810  
5820  
5830  
5840  
5850  
5860  
5870  
5880  
5890  
5900  
5910  
5920  
5930  
5940  
5950  
5960  
5970  
5980  
5990  
6000  
6010

TENS

CCLD

GR



INFD\_FIL

IRAT\_FIL

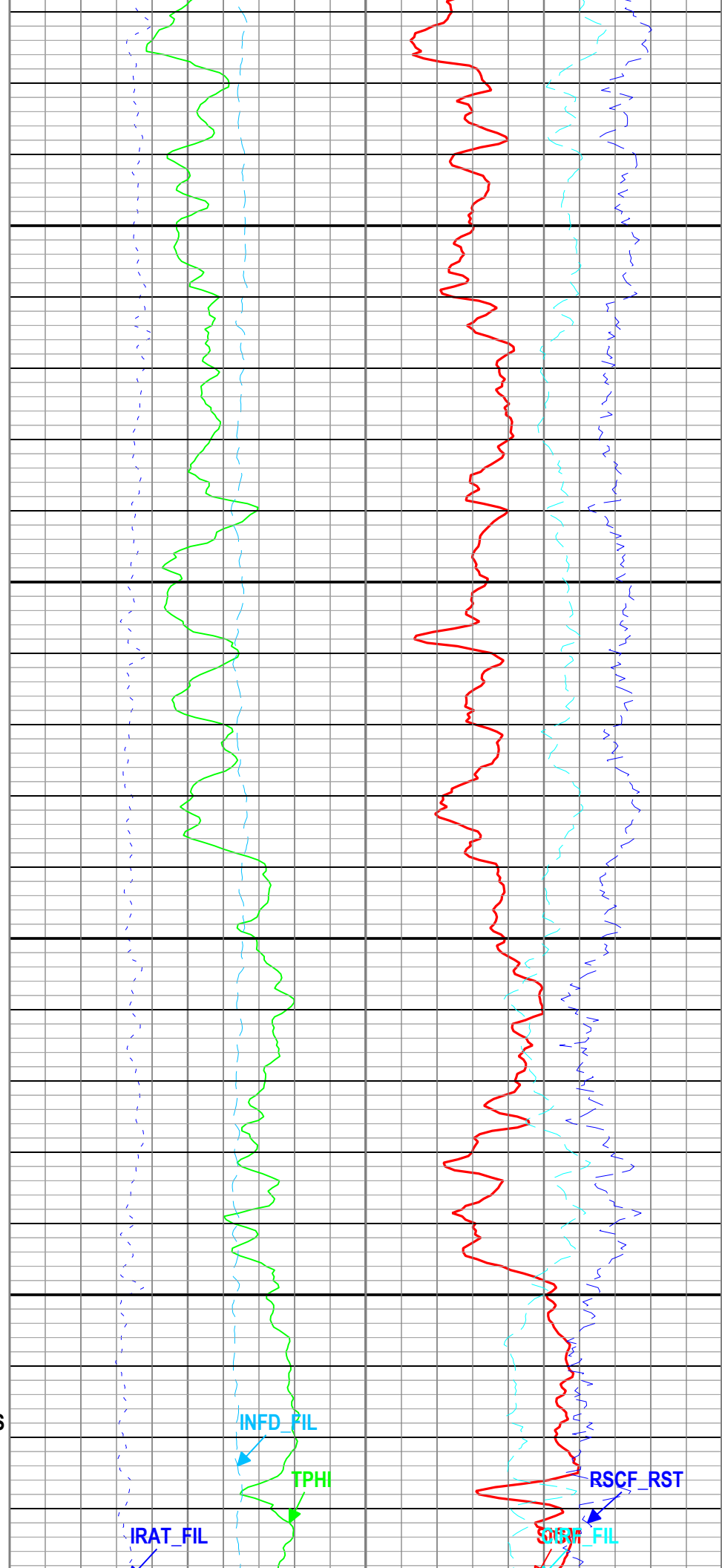
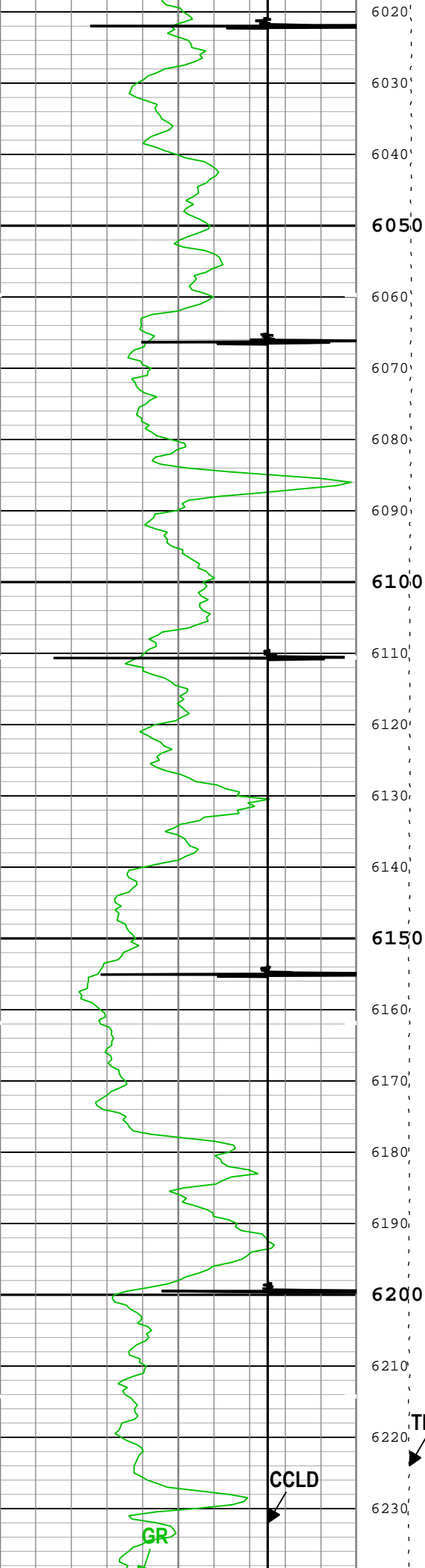
TPHI

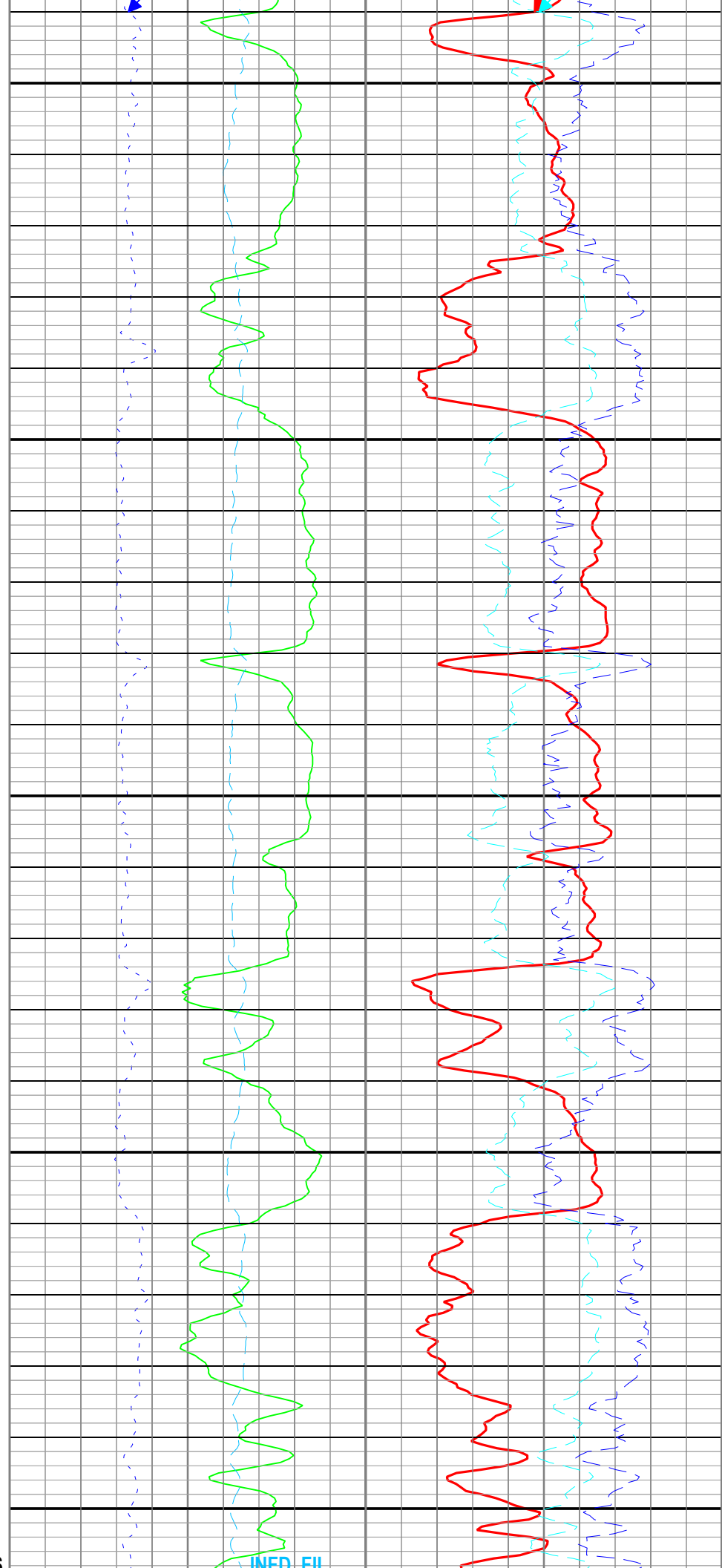
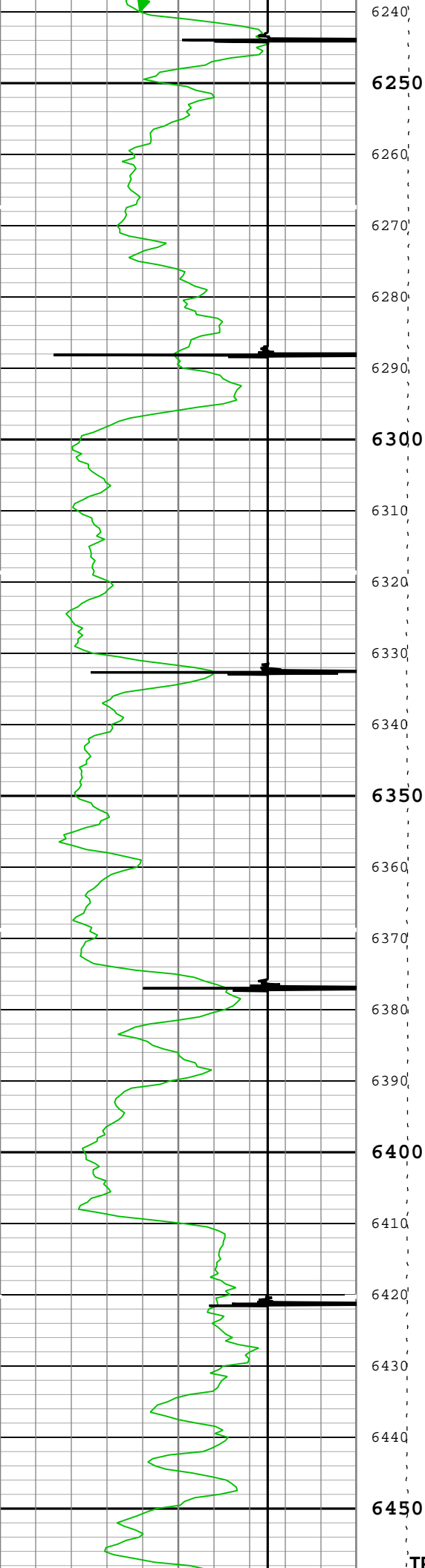
RSCF\_RST

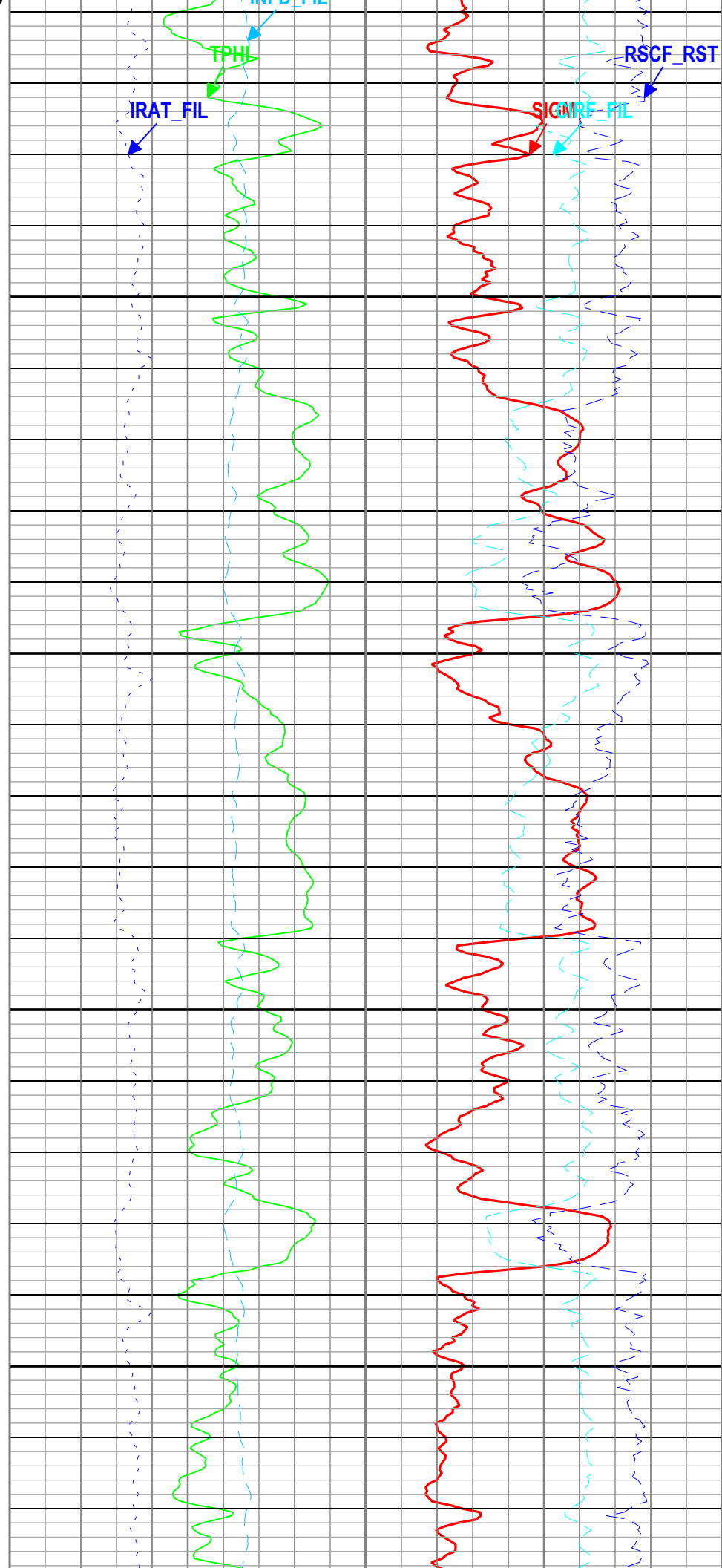
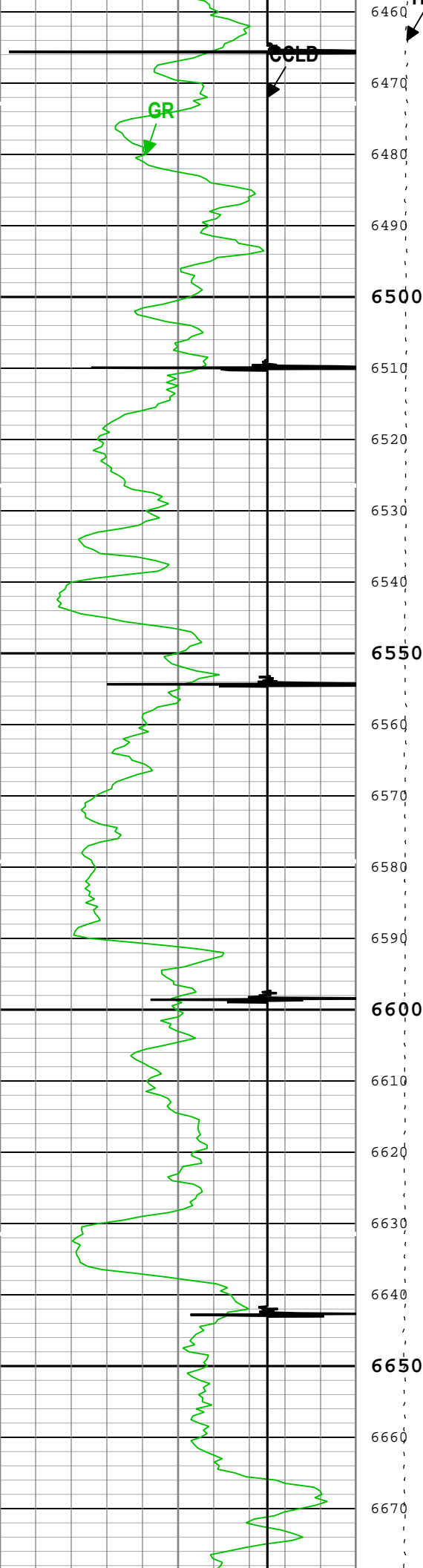
CIRF\_FIL

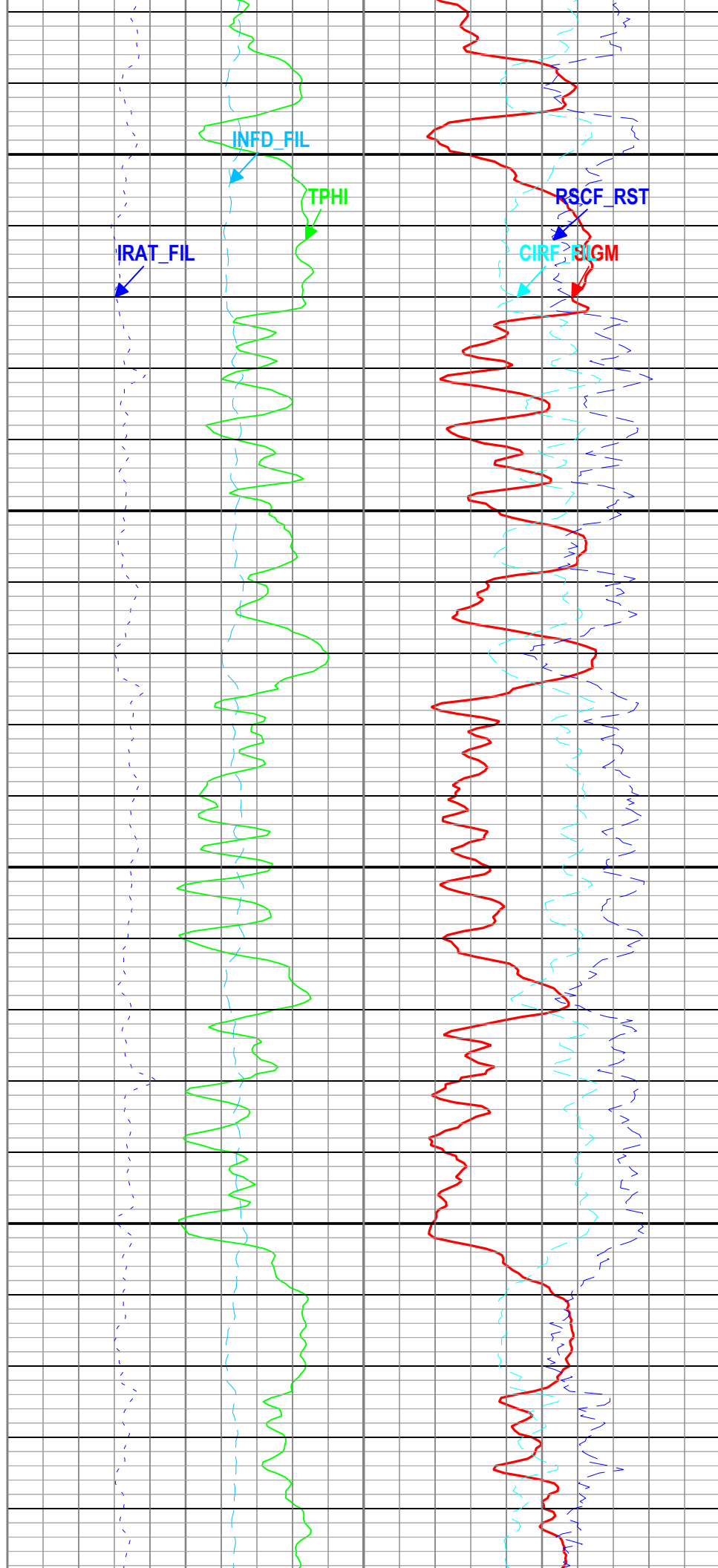
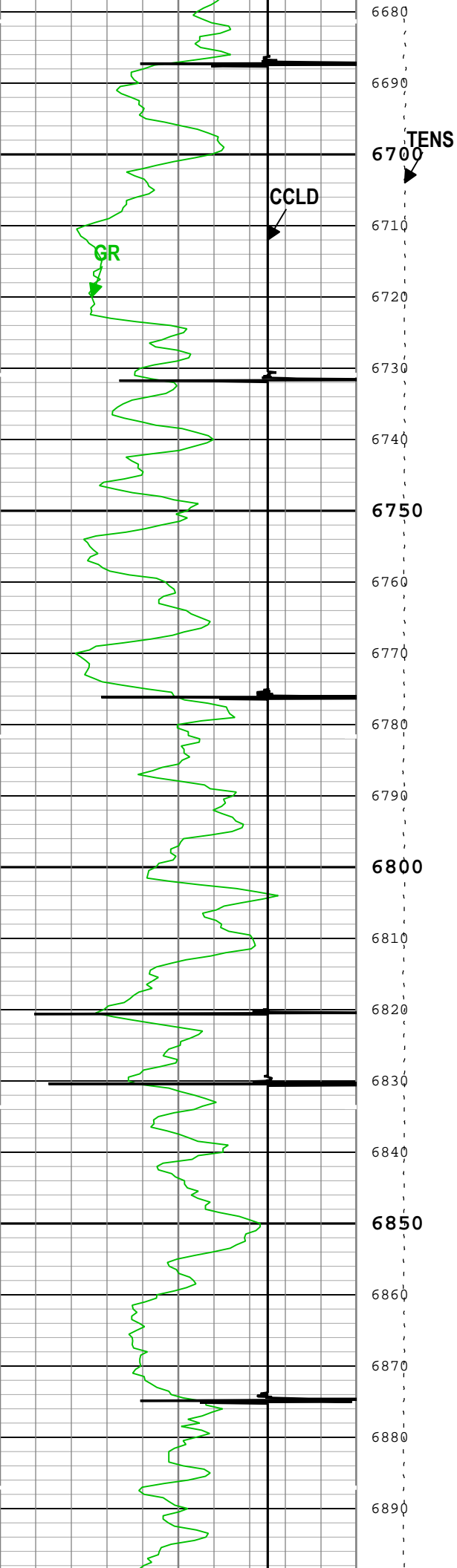
SIGM

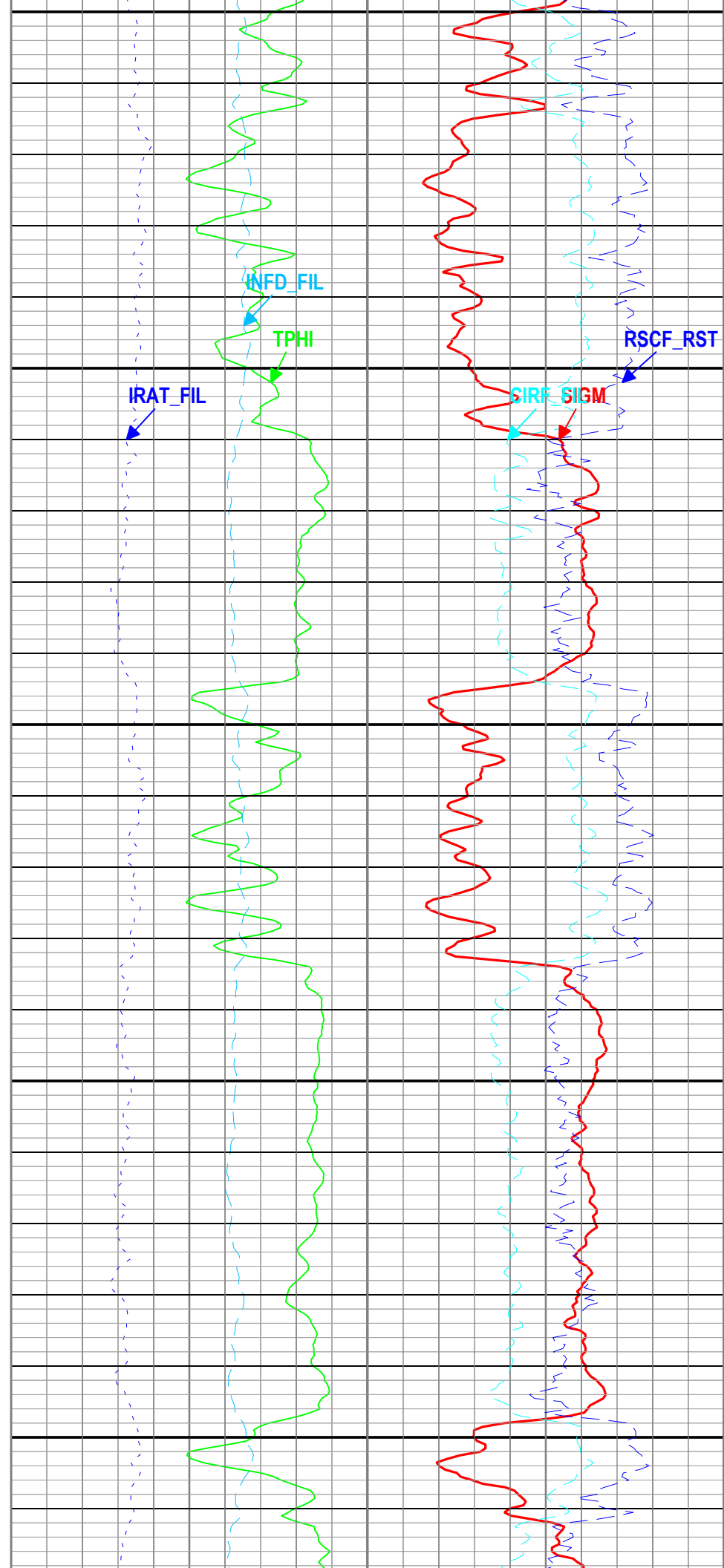
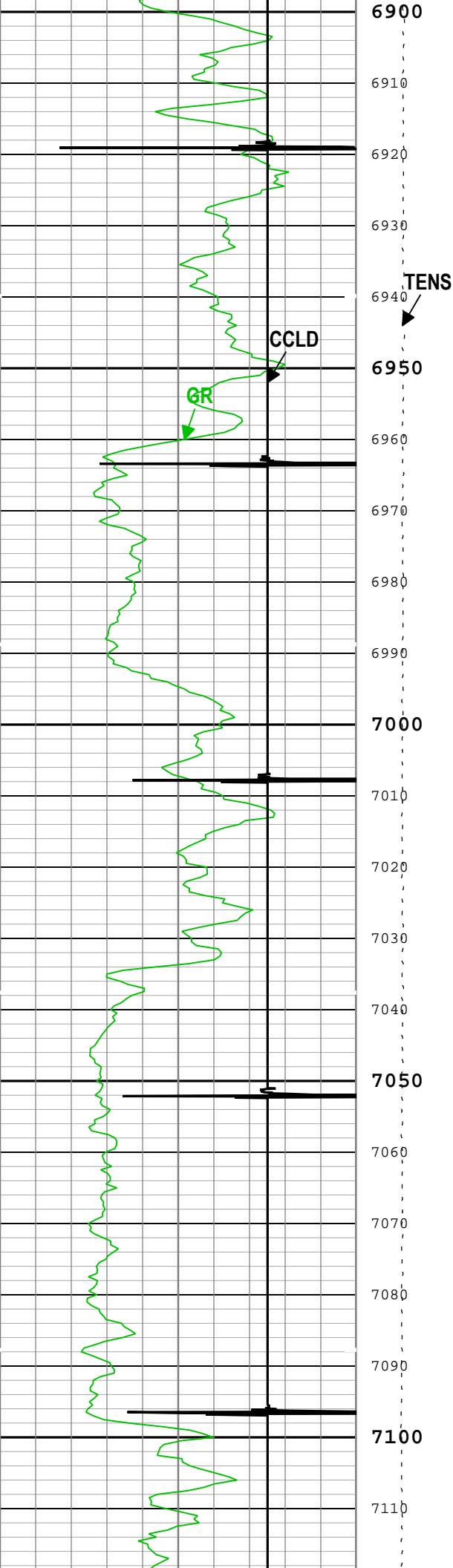




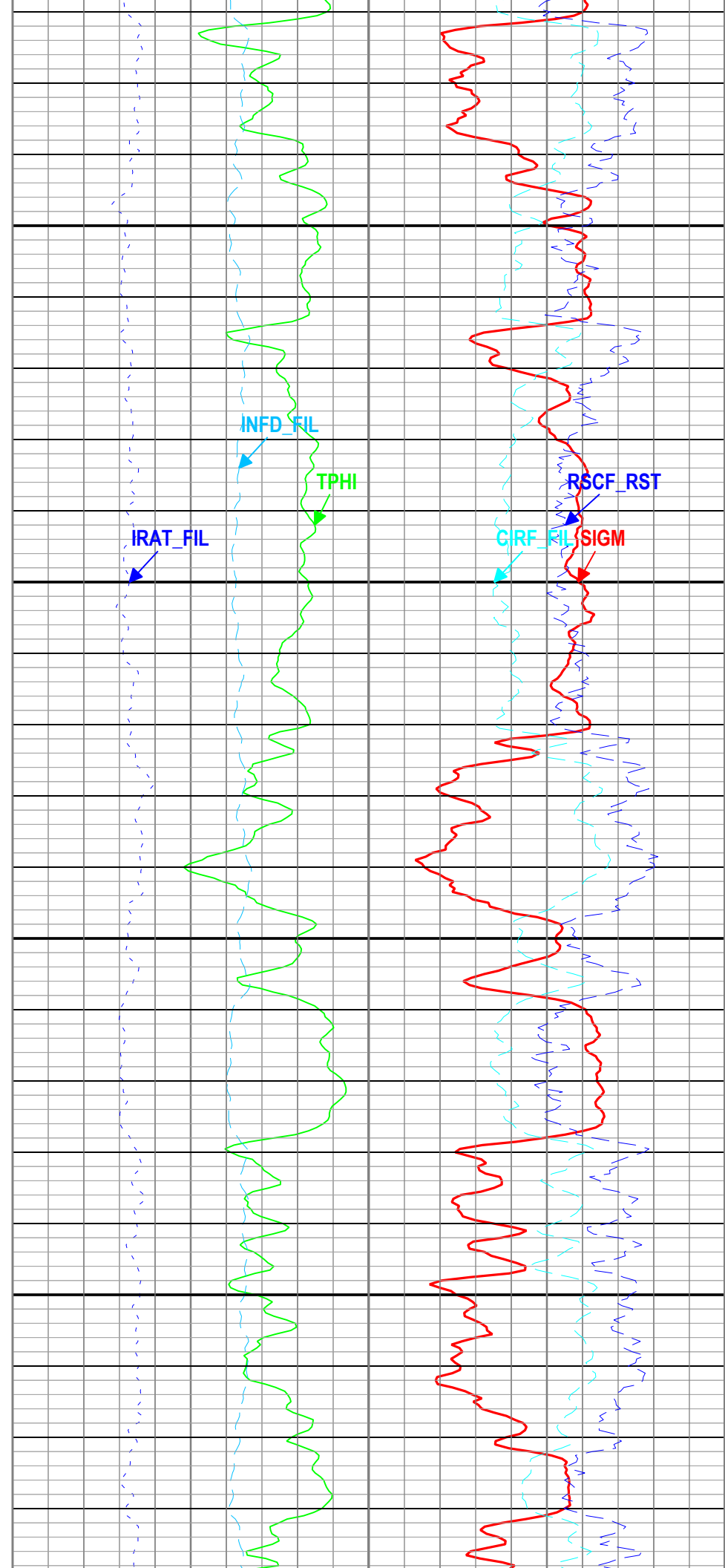
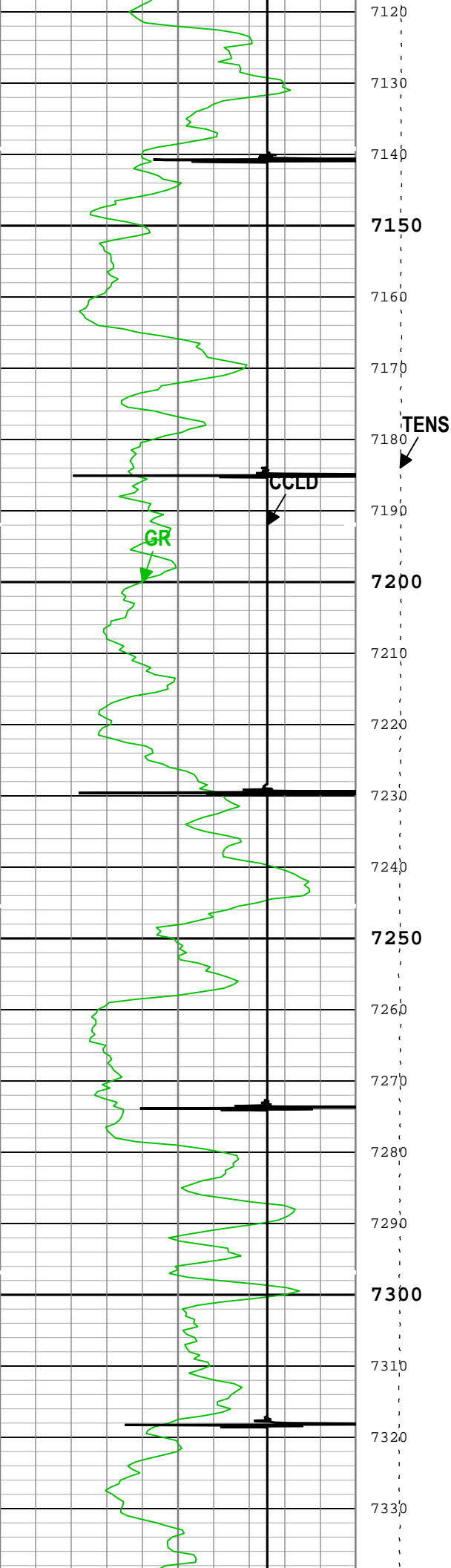


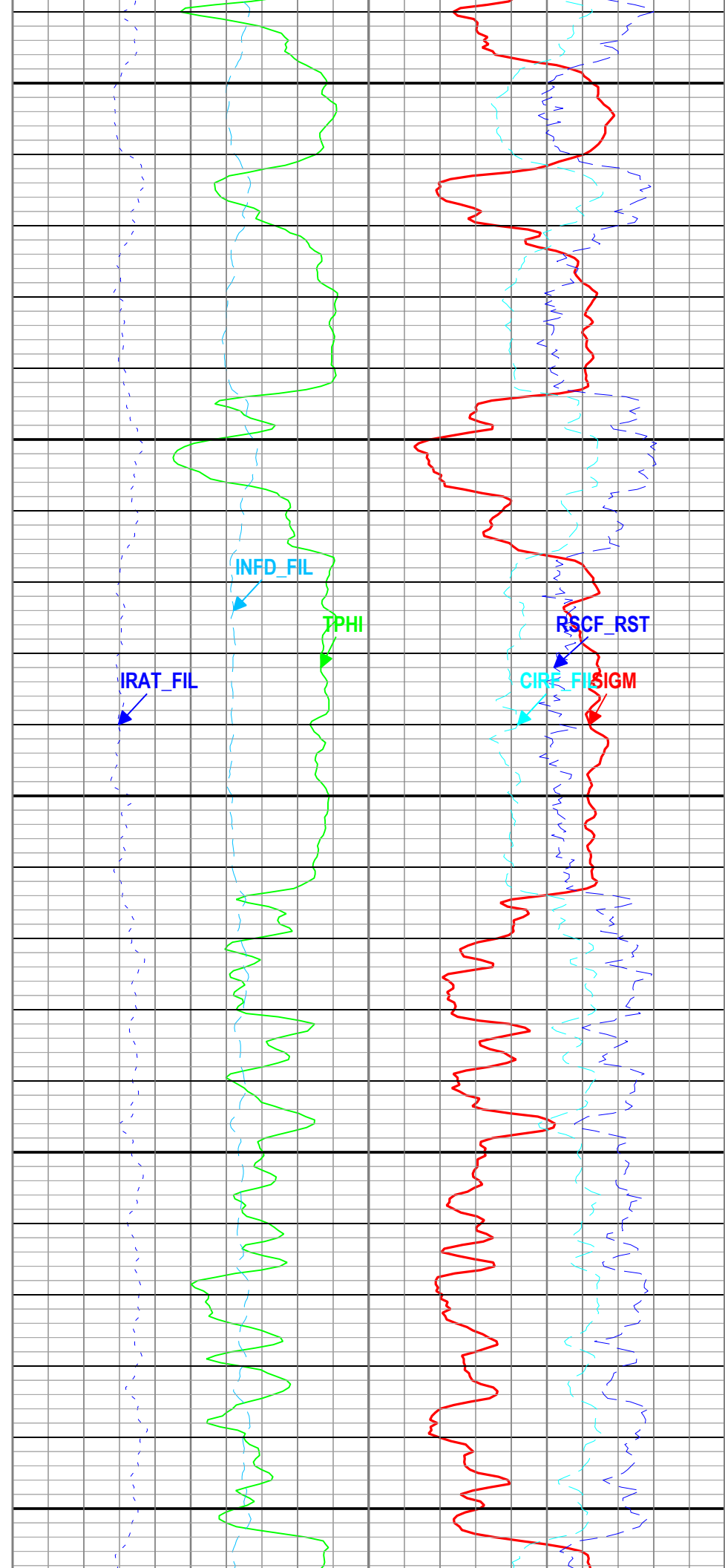
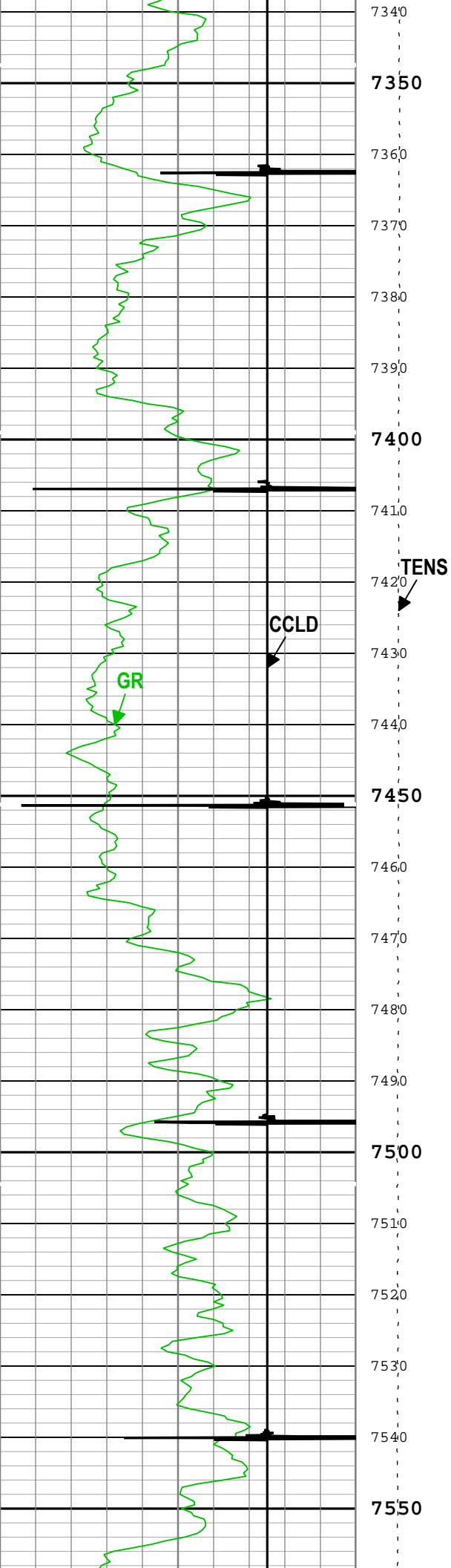


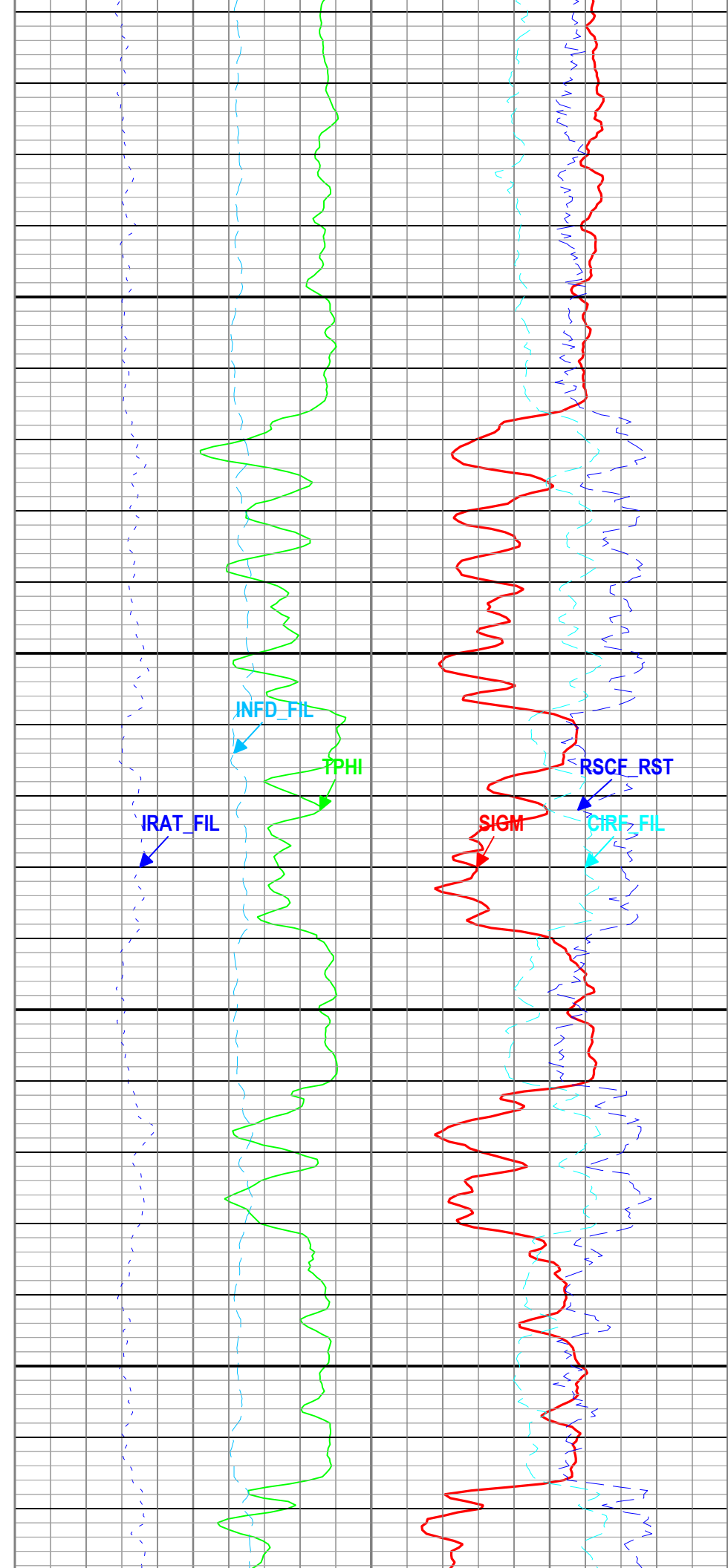
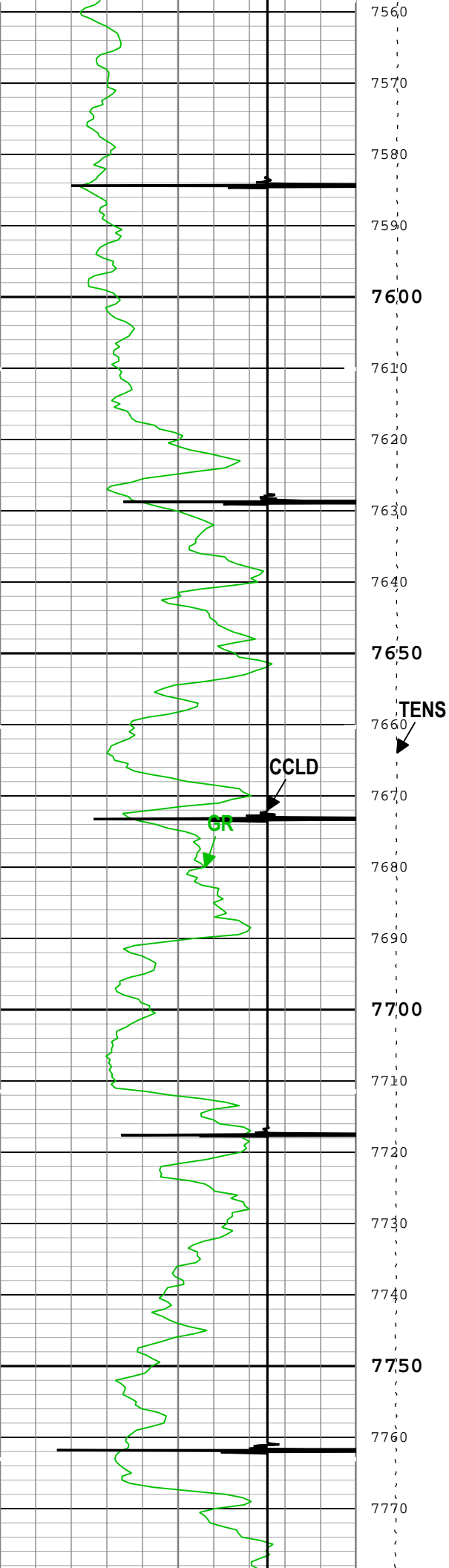


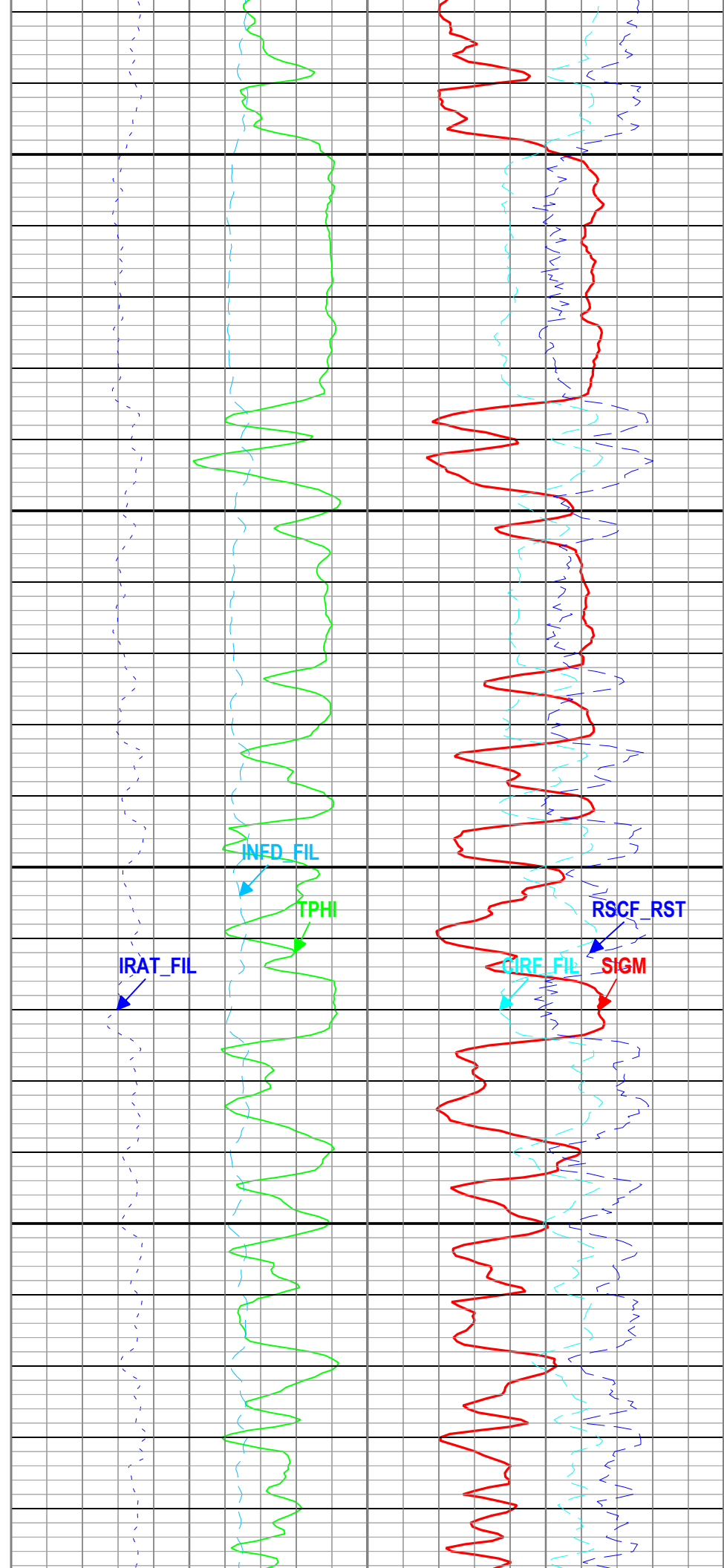
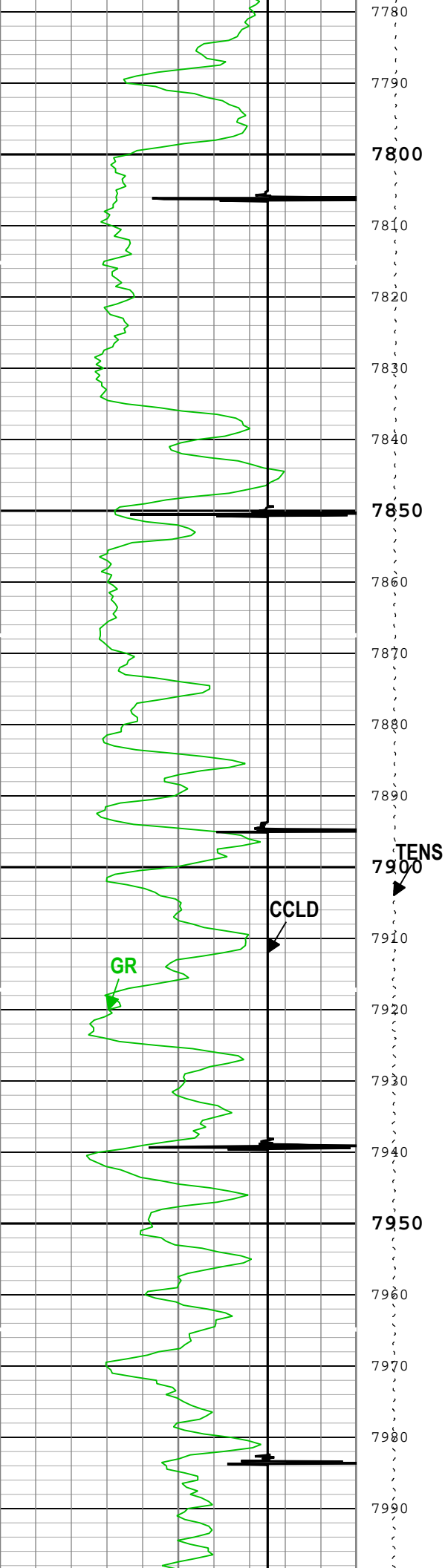


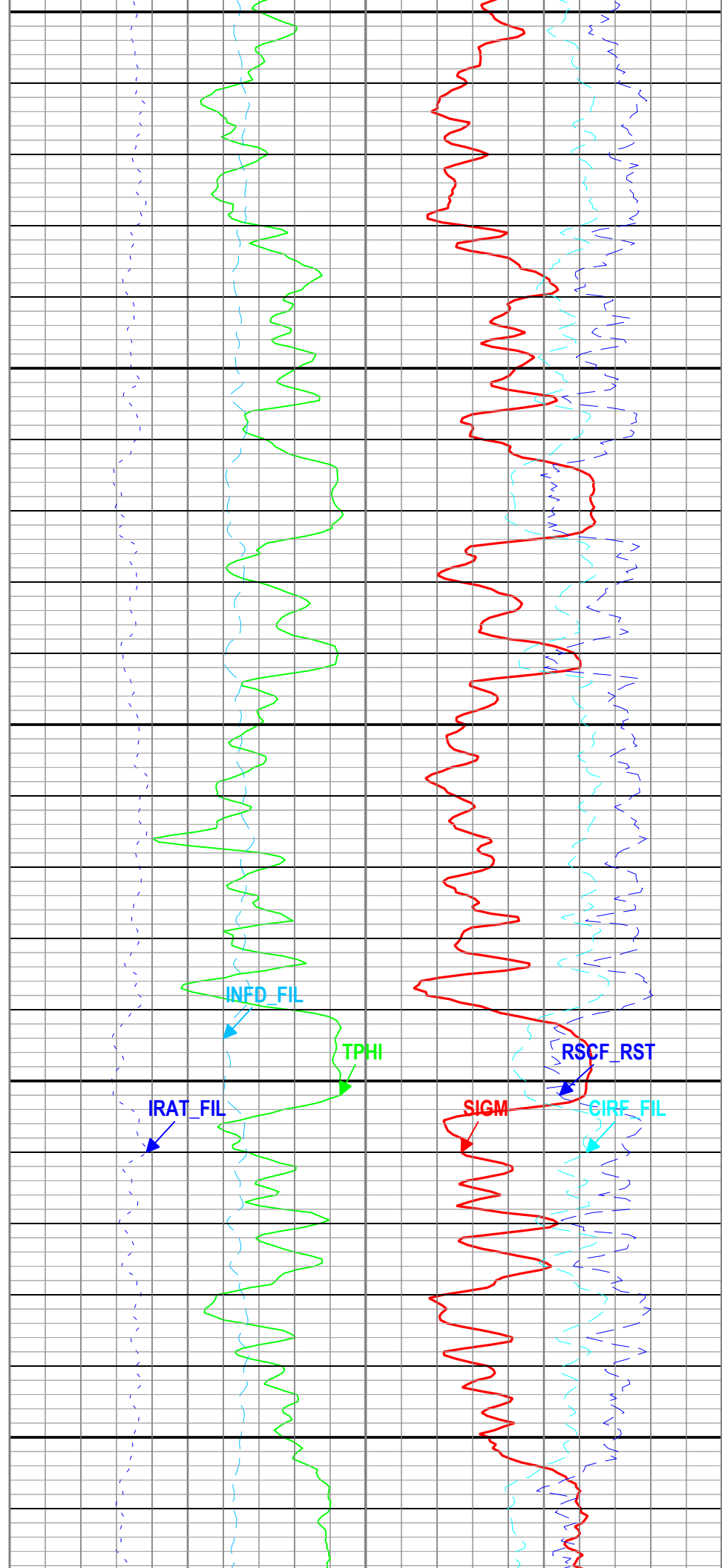
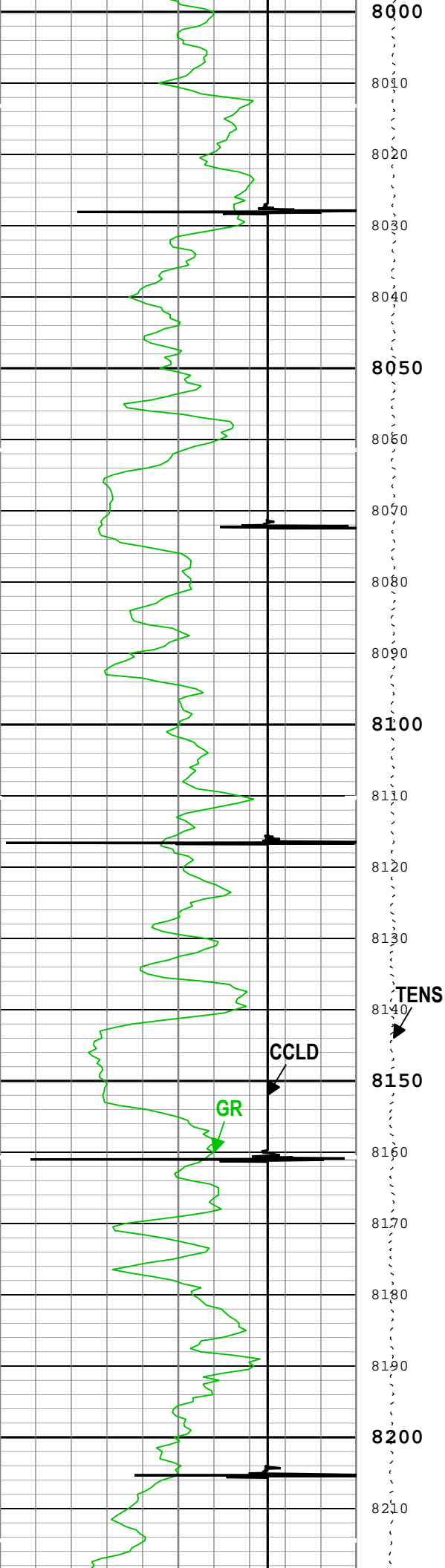




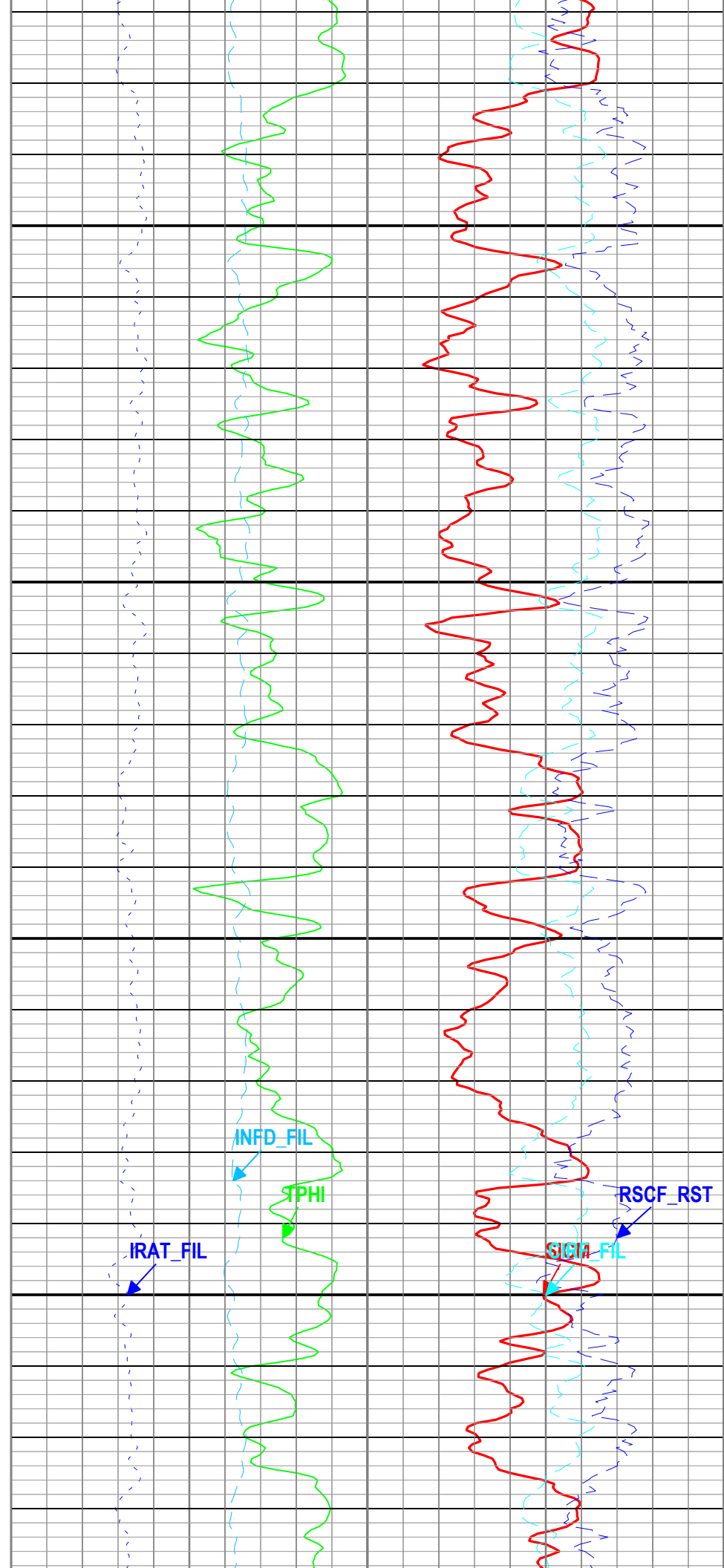
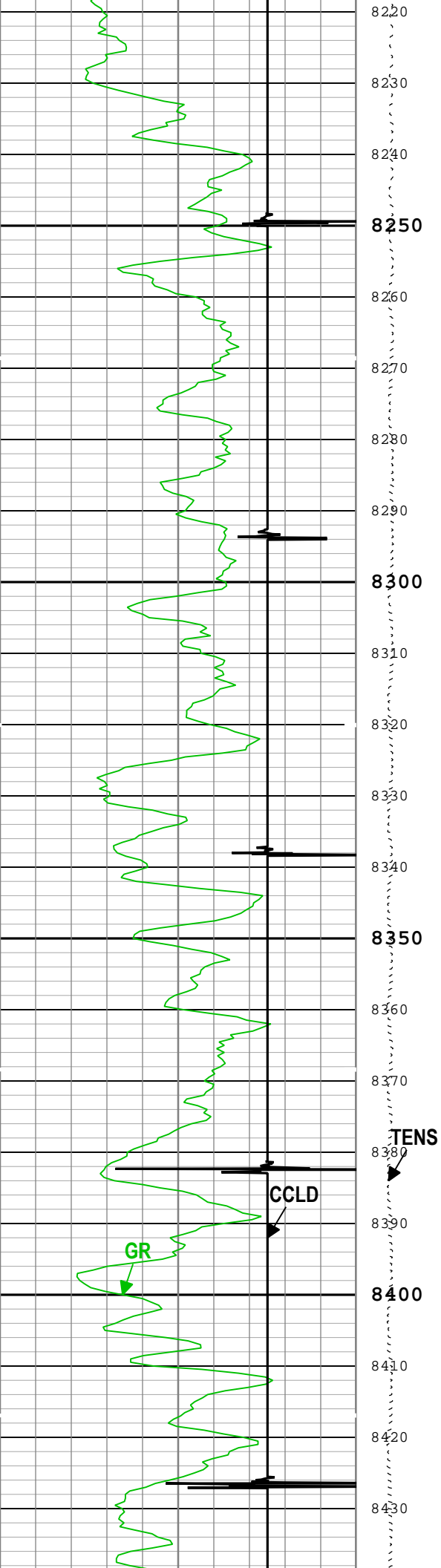


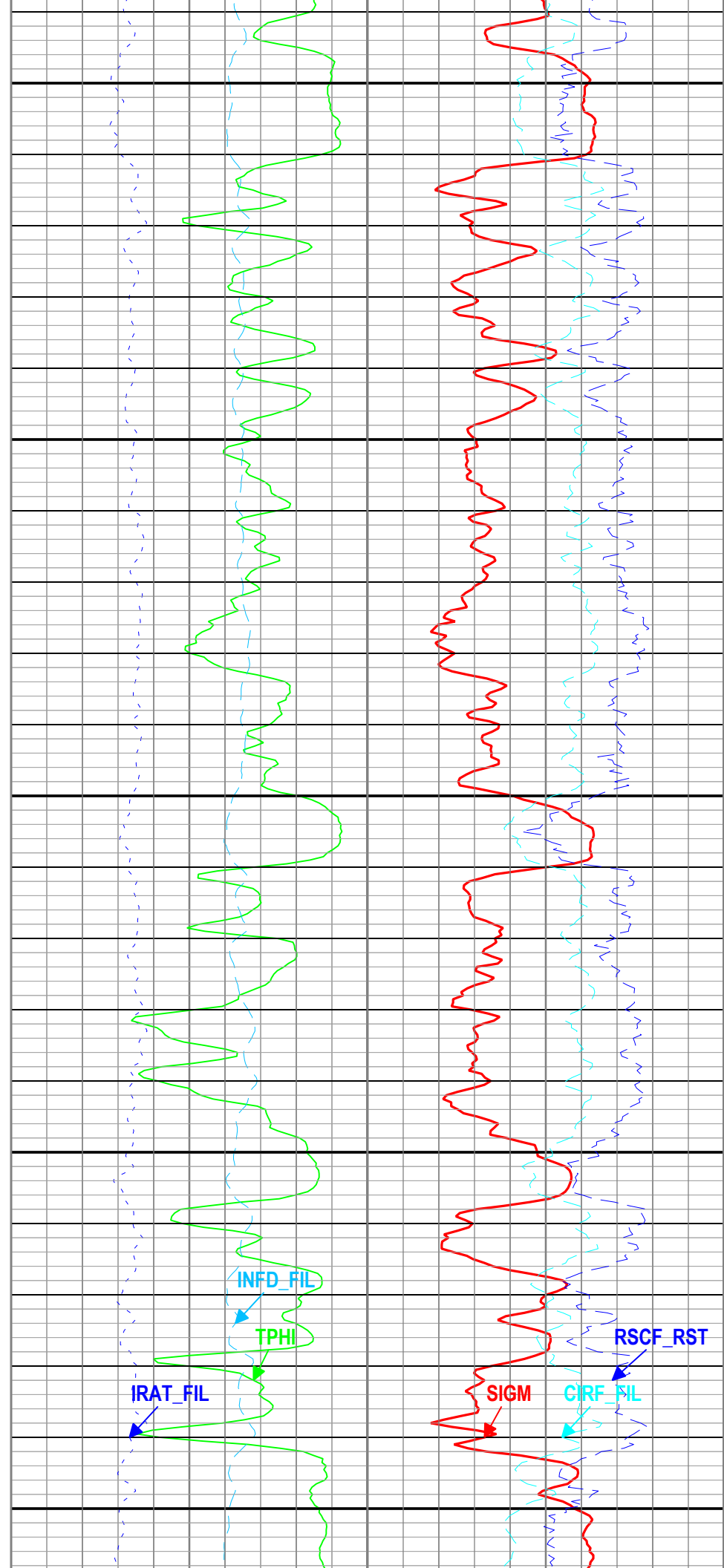
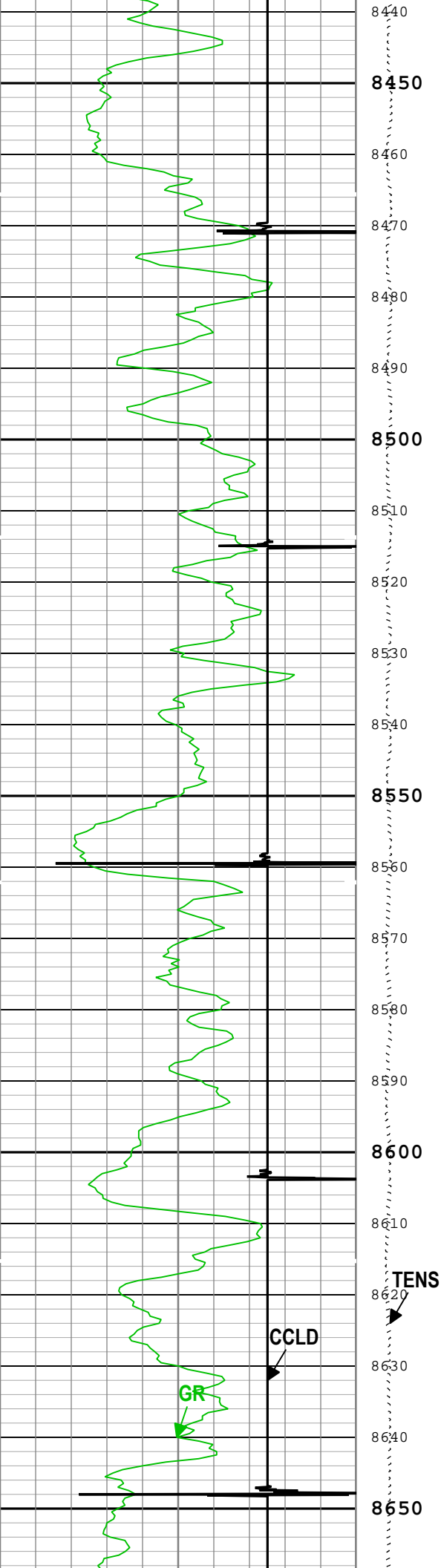


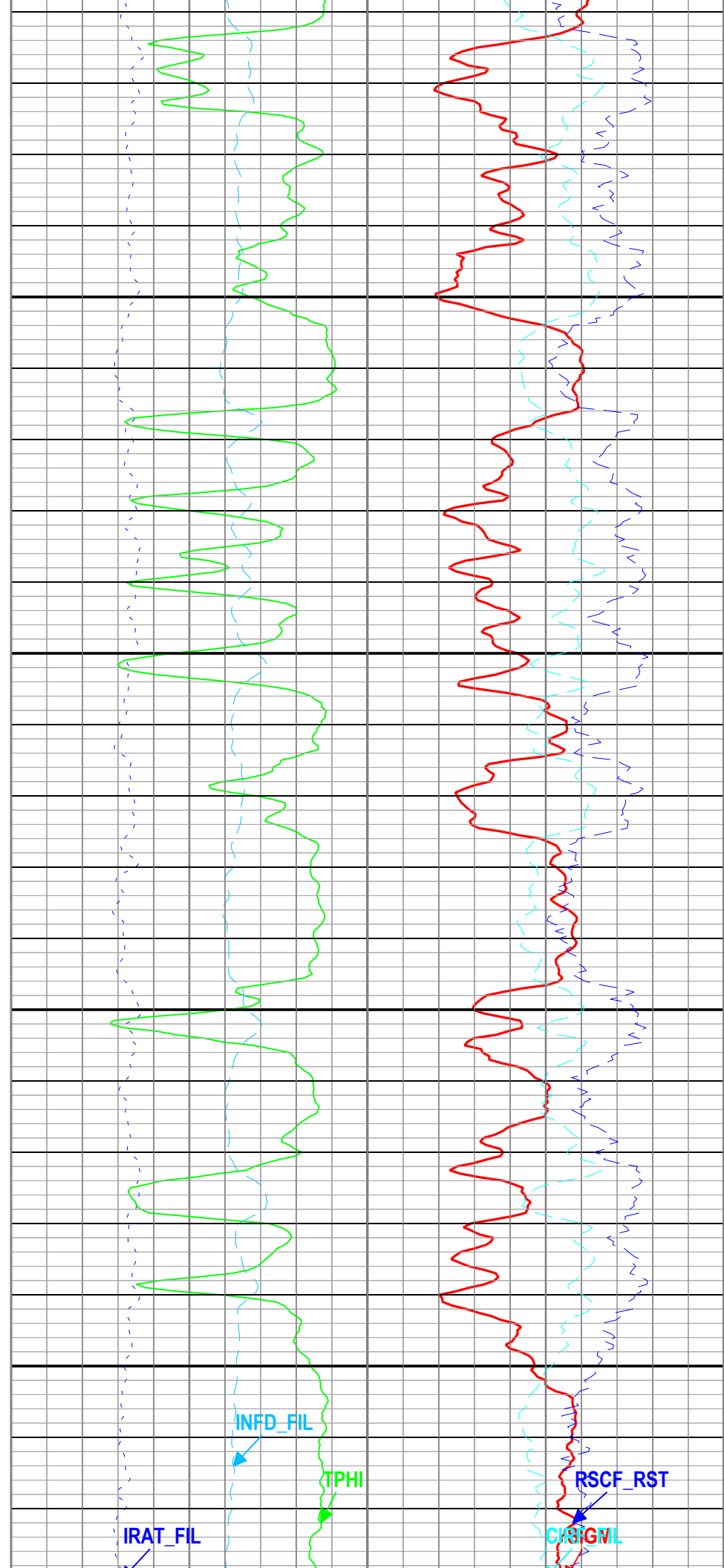
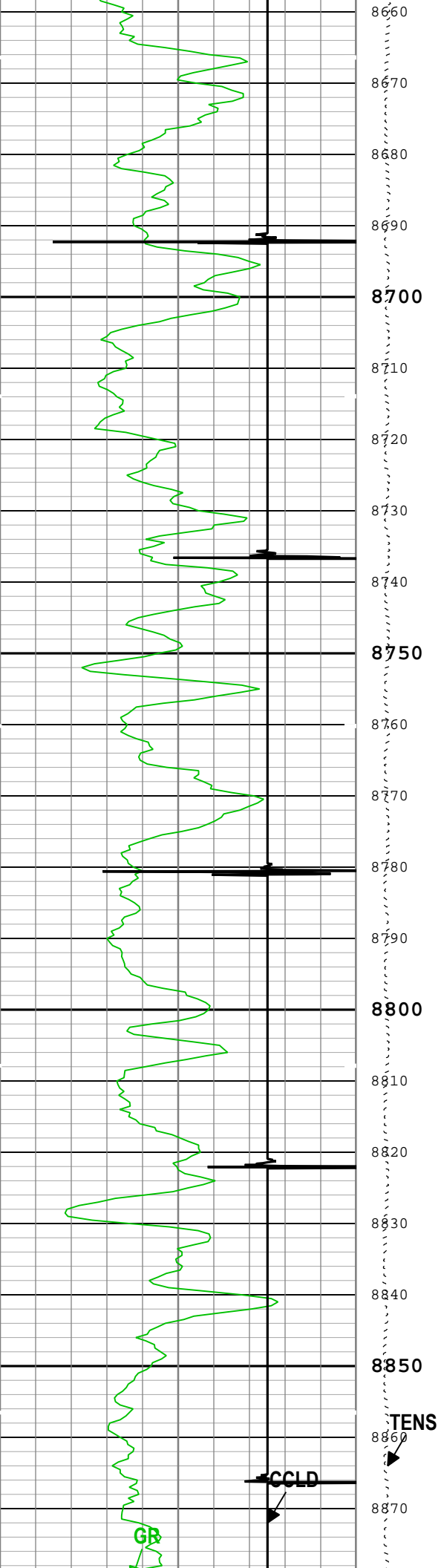


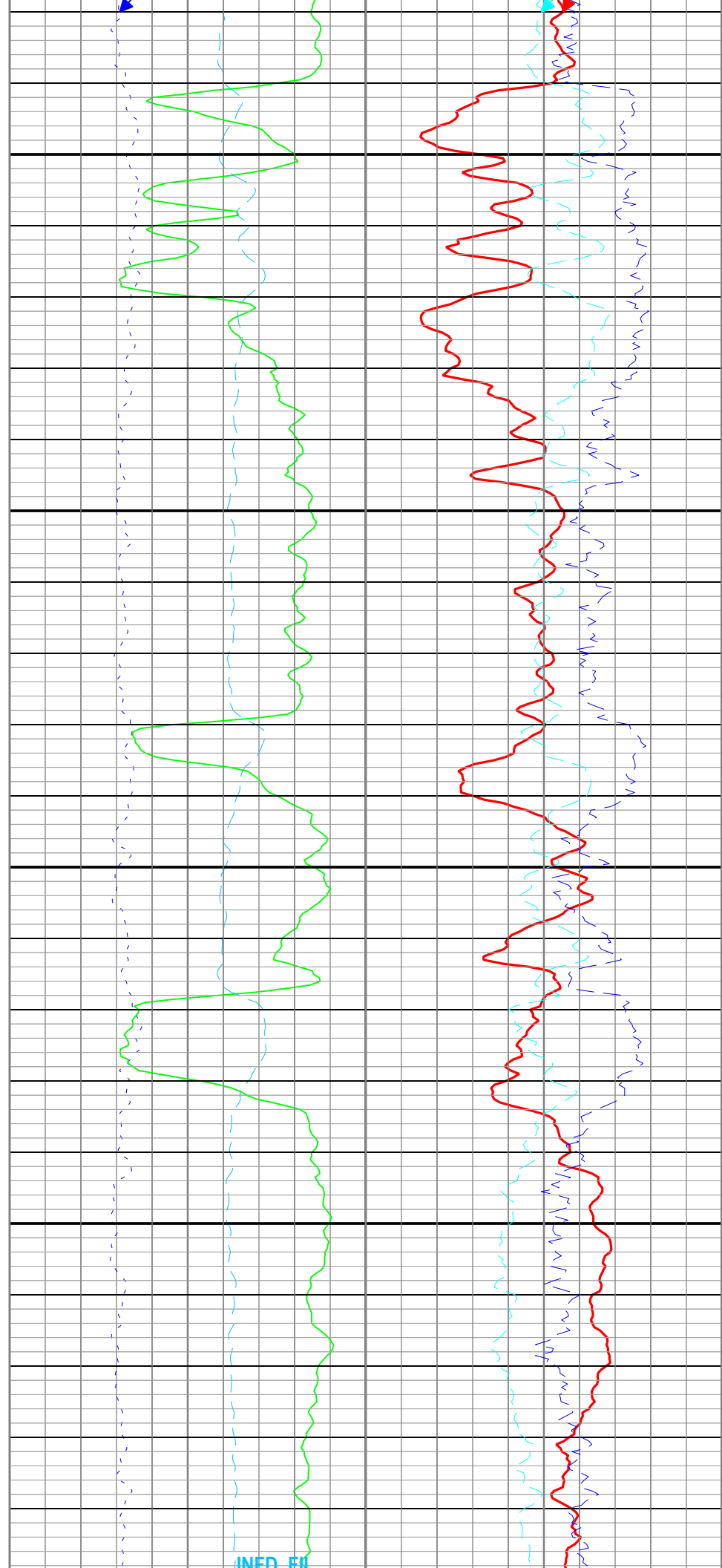
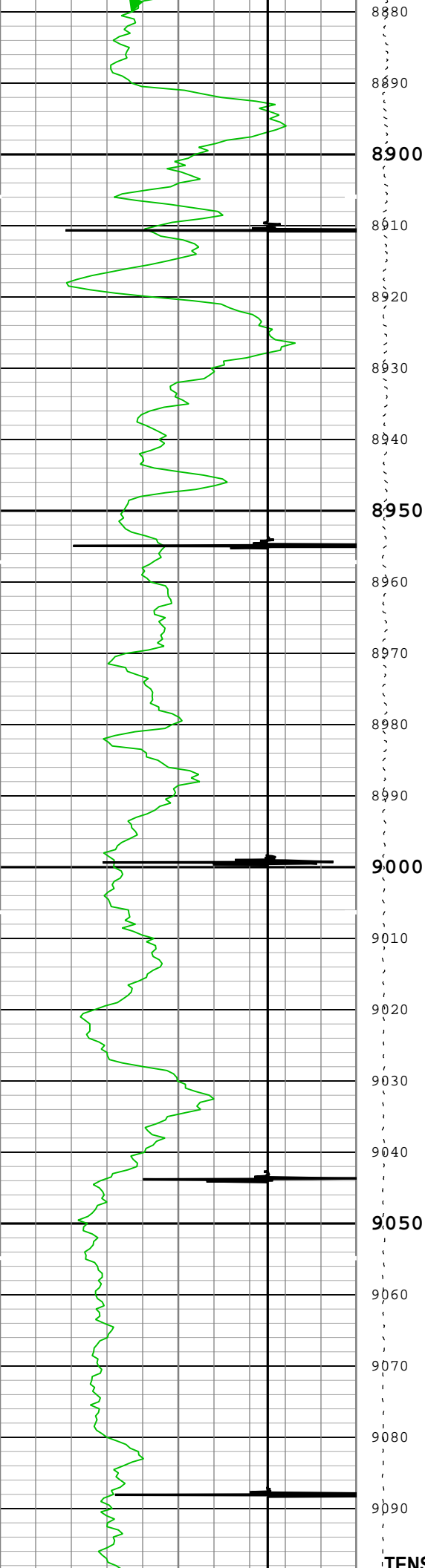


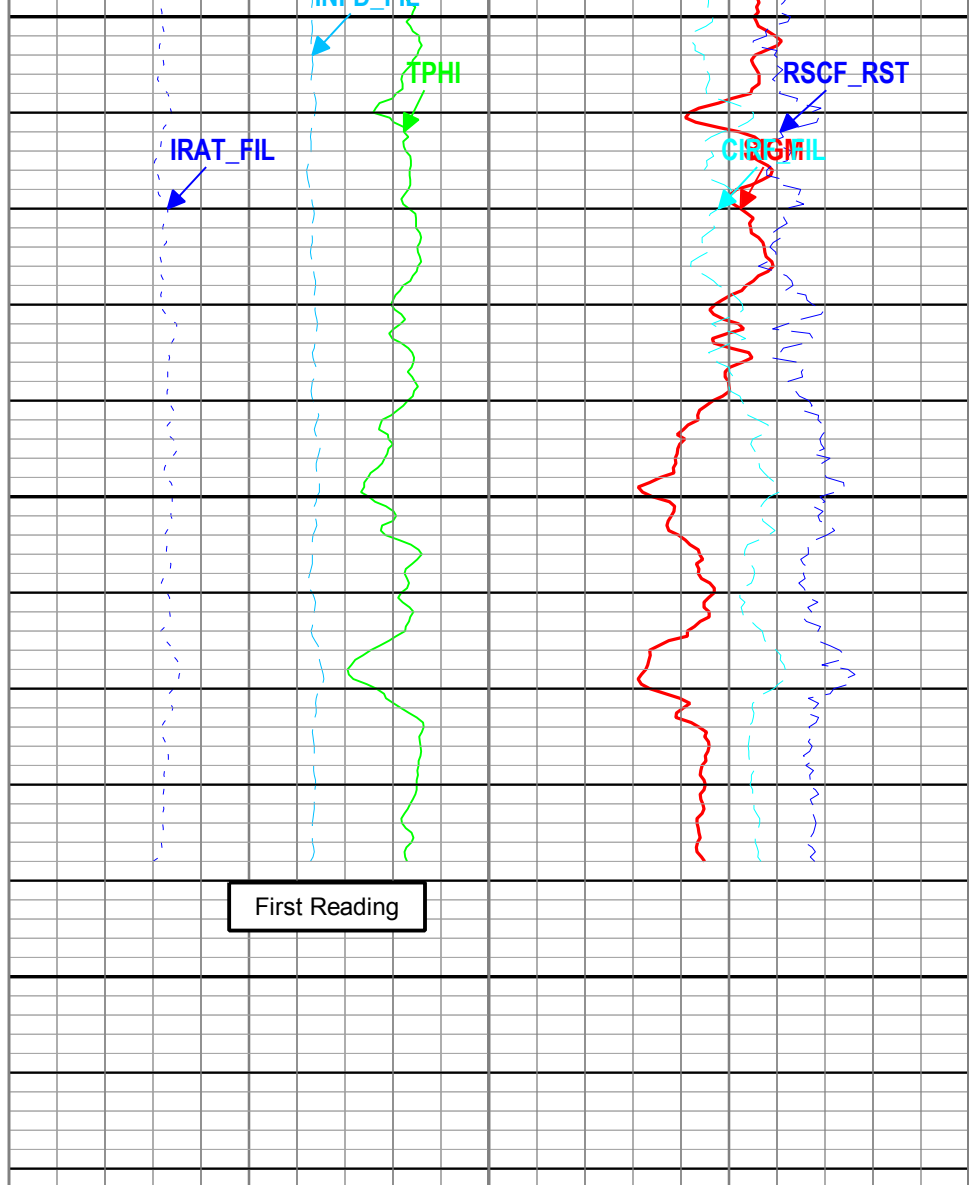
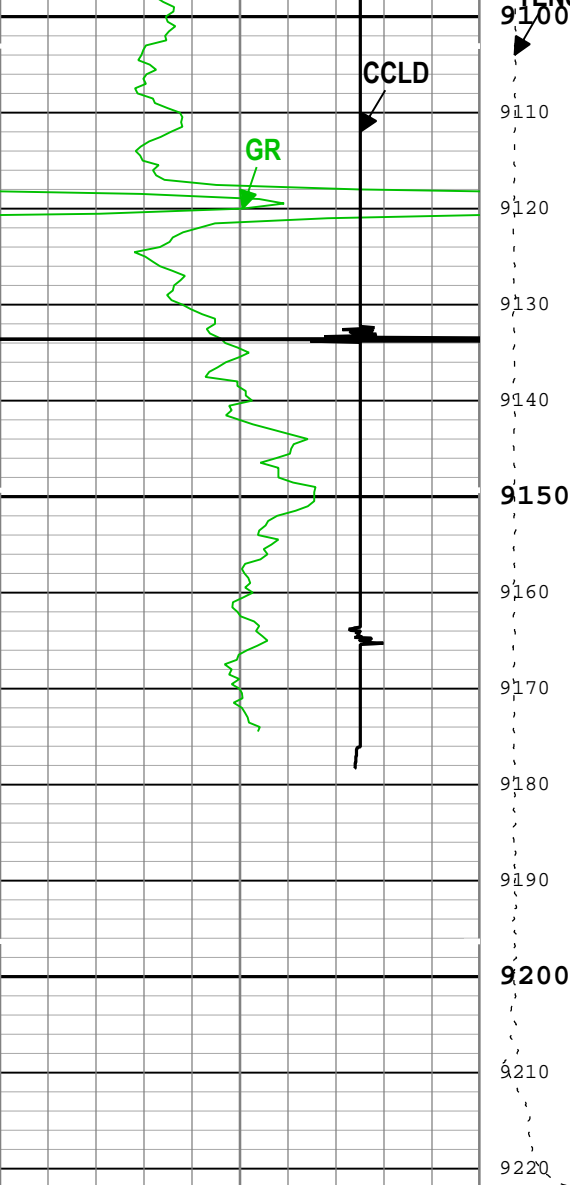












Gamma Ray (GR) PSTP-A		
0	gAPI	150
CCLD Discriminated Amplitude (CCLD) PSTP-A		
-3	V	1

Cable Tension (TENS)
3000 lbf

Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C			
60	cu		0
Inelastic Ratio Filtered (IRAT_FIL) RST-C		Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C	
0.75	0	5	0
Thermal Decay Porosity (TPHI) RST-C		Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C	
0.6	ft3/ft3	45	0
Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C			
10000	1/s		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)
- IHV - Integrated Hole Volume every 100.00 (ft3)
- TIME\_1900 - Time Marked every 60.00 (s)
- 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: 22-Dec-2017 06:24:30

## 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
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	
RST_DLM	Depth Log Mode	RST-C	Sigma	

One

Sigma Repeat Pass

Software Version

Acquisition System	Version
Maxwell 2017 SP3	7.3.92069.3100

Pass Summary

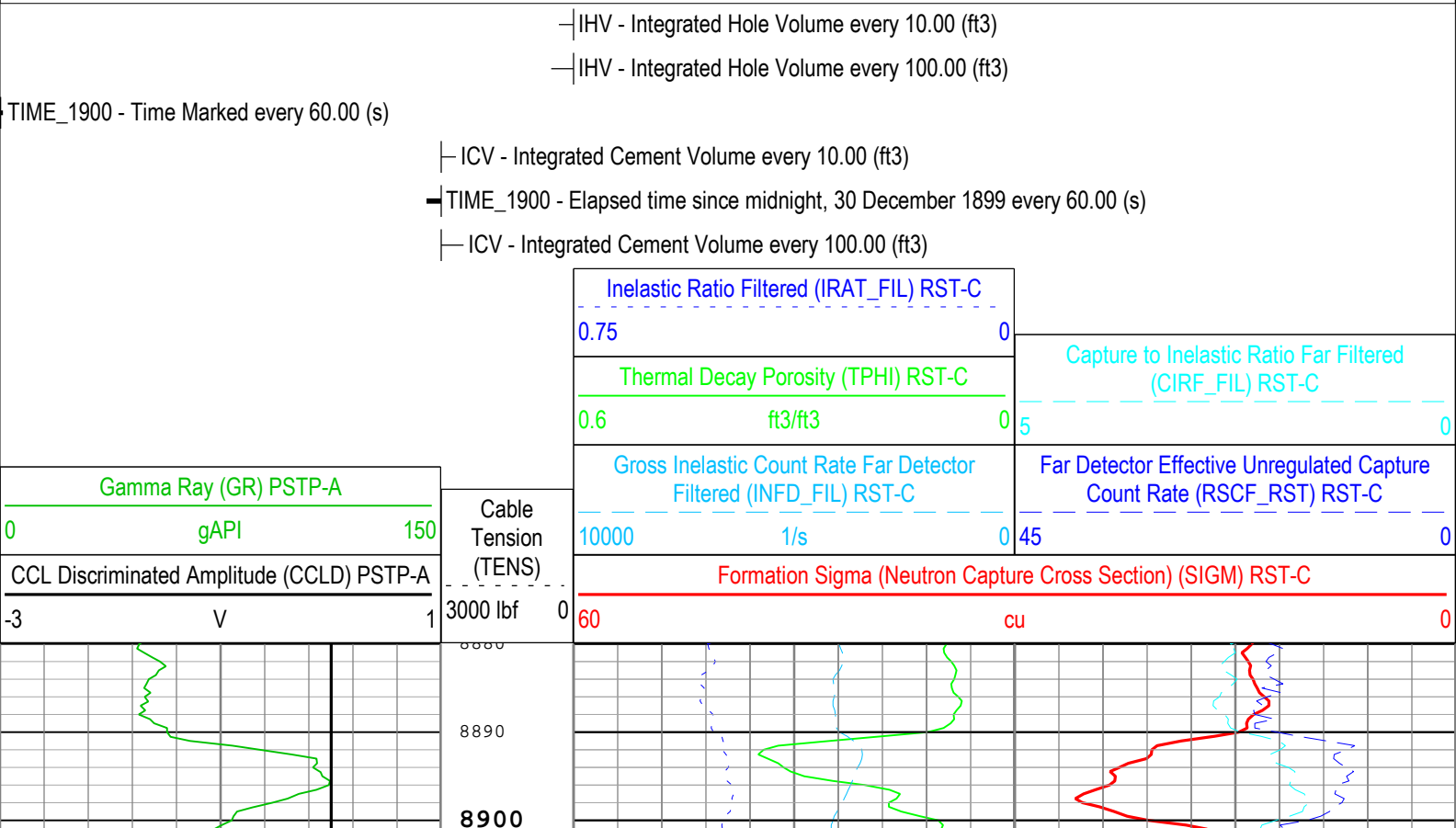
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[4]:Up	Up	8906.95 ft	9223.47 ft	22-Dec-2017 3:07:56 AM	22-Dec-2017 3:25:45 AM	ON	5.73 ft	Yes

All depths are referenced to toolstring zero

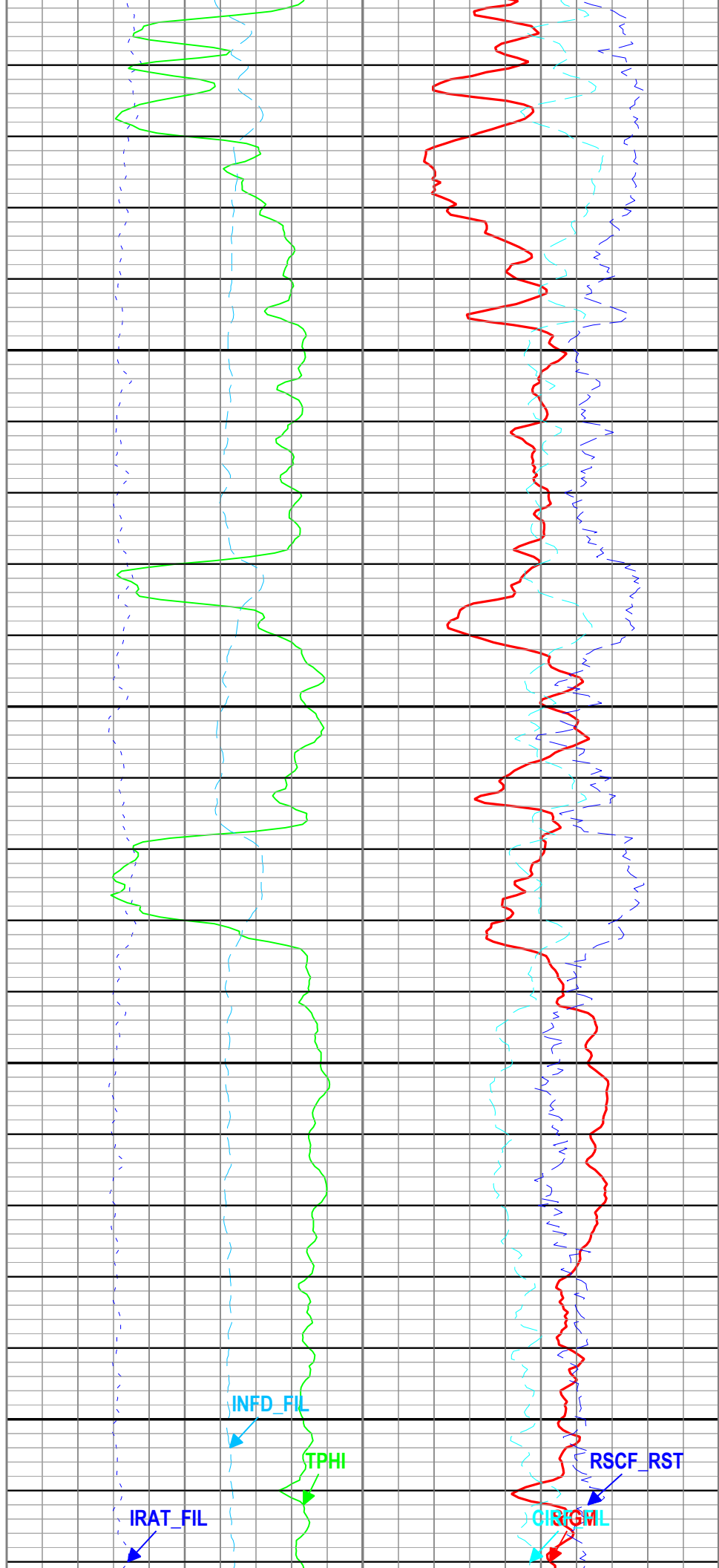
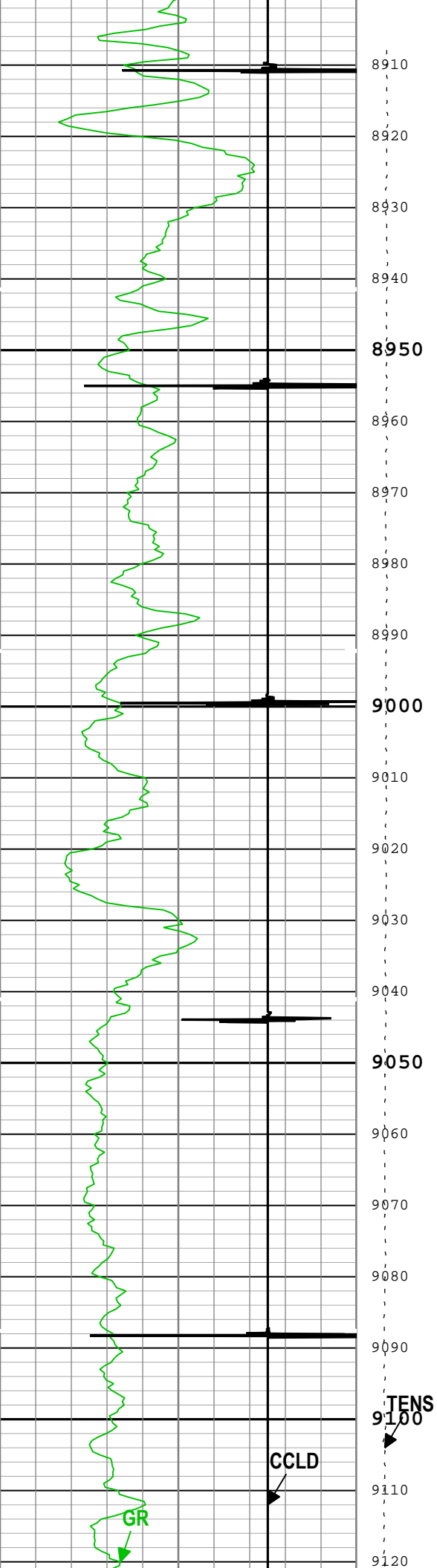
Log

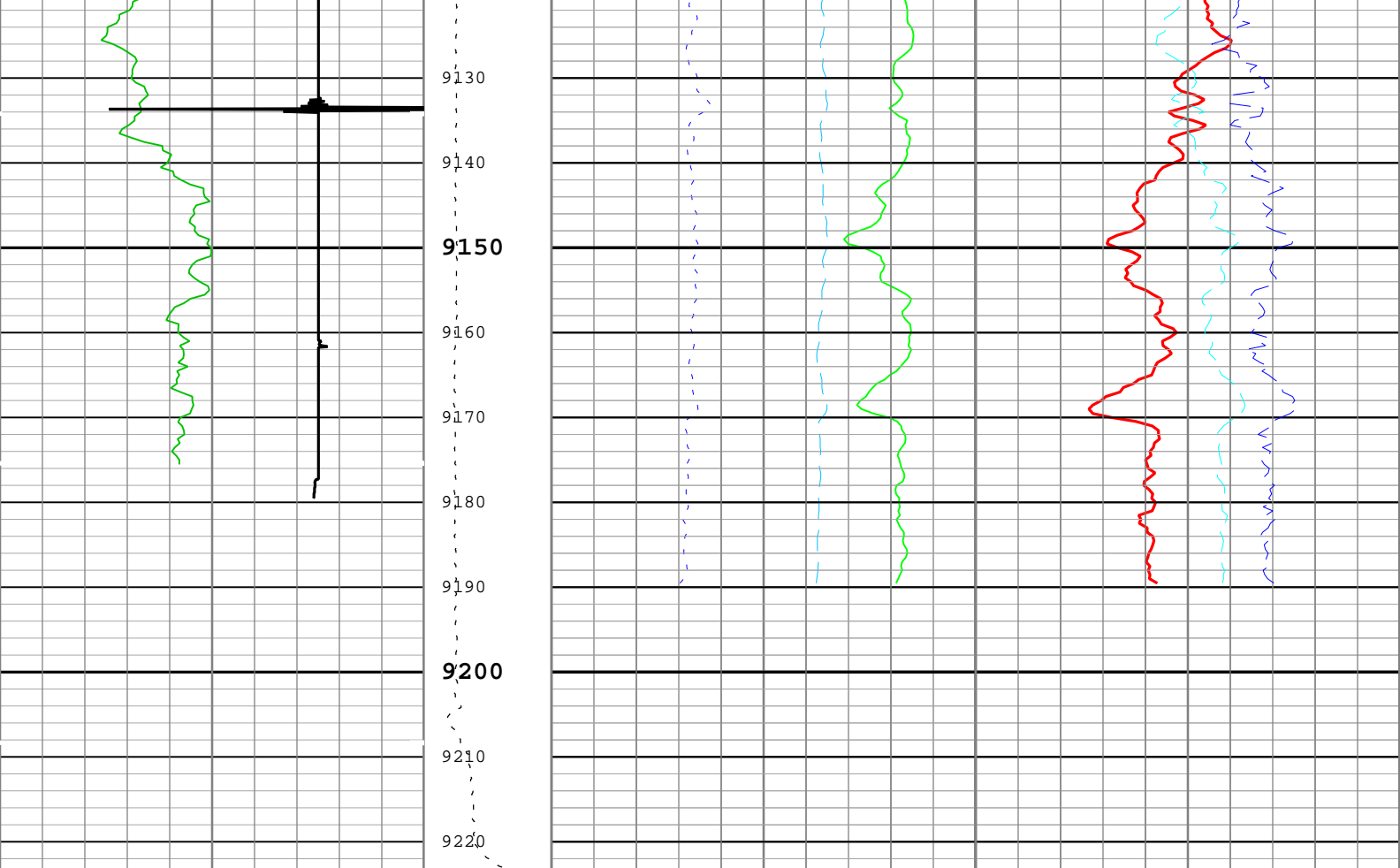
Company:Caerus Operating LLC      Well:Puckett 11A-26 697  
One: Log[4]:Up:S006

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: 22-Dec-2017 06:24:36









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			3000 lbf	Inelastic Ratio Filtered (IRAT_FIL) RST-C		
-3	V	1	0	0.75	0	Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C
				Thermal Decay Porosity (TPHI) RST-C		
				0.6	ft3/ft3	0
				Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C		
				10000	1/s	0
				Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C		
				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: 22-Dec-2017 06:24:36

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
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	
RST_DLM	Depth Log Mode	RST-C	Sigma	

Well:	Puckett 11A-26 697
Field:	Grand Valley
County:	Garfield
State:	Colorado

Cement Bond Log

RST Sigma Log

Gamma Ray/ Collar Log