

Company: NGL Water Solutions DJ LLC

Well: NGL C10

Field: Eaton

County: Weld State: Colorado

Digital Sonic Logging Tool
CBL/VDL
GR-CCL

County: Weld
Field: Eaton
Location: SWSE Sec.35, T7N, R65W
Well: NGL C10
Company: NGL Water Solutions DJ LLC

Location:		SWSE Sec.35, T7N, R65W SHL: 878' FSL x 2069' FEL Lat: 40.525140/Long:-104.628010	Elev.: K.B. 4820.50 ft G.L. 4807.00 ft D.F. 4819.50 ft
Permanent Datum:	Ground Level	Kelly Bushing	Elev.: 13.50 ft above Perm.Datum
Log Measured From:	Kelly Bushing		
Drilling Measured From:	Kelly Bushing		
API Serial No.	Section:	Township:	Range:
05-123-40772-00	35	7N	65W
Logging Date	09-Apr-2015		
Run Number	IMP1_Run 1		
Depth Driller	10442.00 ft		
Schlumberger Depth	10482.00 ft		
Bottom Log Interval	10484.00 ft		
Top Log Interval	50.00 ft		
Casing Fluid Type	Fresh Water		
Salinity			
Density	8.4 lbm/gal		
Fluid Level	8.00 ft		
BIT/CASING/TUBING STRING			
Bit Size	6.13 in		
From	8859.00 ft		
To	10482.00 ft		
Casing/Tubing Size	4.5 in		
Weight	11.6 lbm/ft		
Grade	N/A		
From	8716.00 ft		
To	10482.00 ft		
Max Recorded Temperatures	299 degF		
Logger on Bottom	Time	08:30:00	
Unit Number	Location:	Ft. Morgan, CO	
Recorded By	Alekssei Bekhterev		
Witnessed By	Jeanell Ries		

Disclaimer

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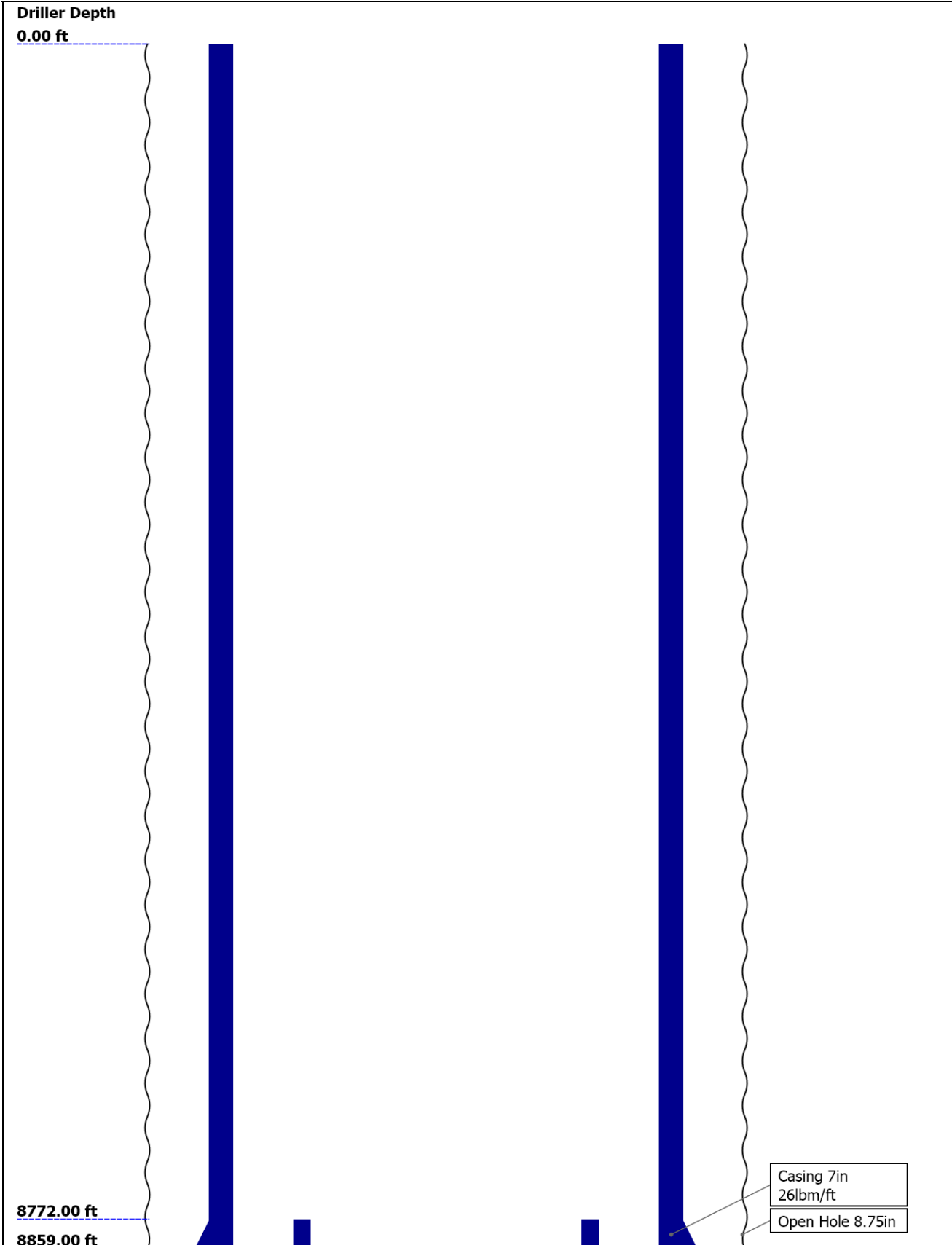
11.4 Log (Sonic CBL Dual Gate with VDL)

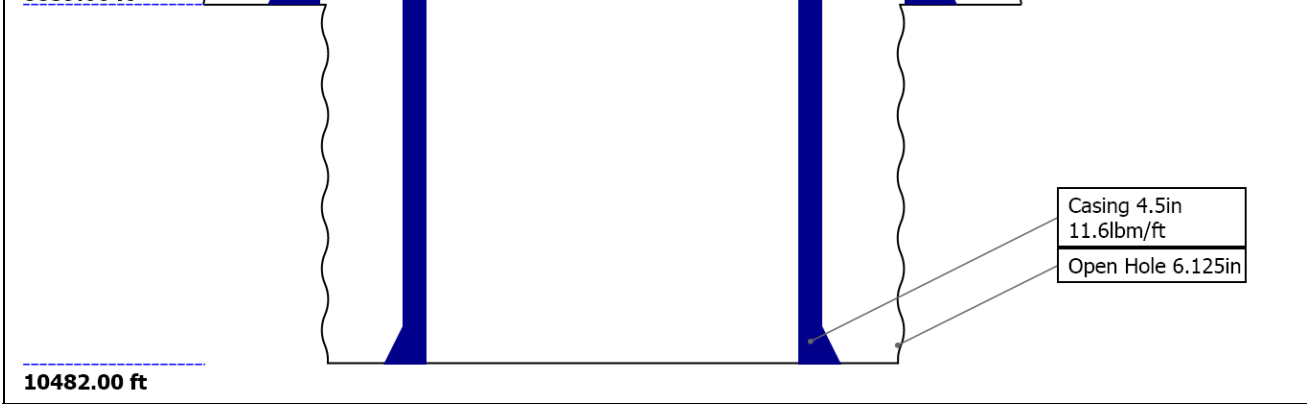
11.5 Parameter Listing

12. Calibration Report

13. Tail

Well Sketch





Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	8.75	6.125				
Top Driller (ft)	0	8859				
Top Logger (ft)	0	8859				
Bottom Driller (ft)	8859	10482				
Bottom Logger (ft)	8859	10482				
Casing						
Size (in)	7	4.5				
Weight (lbm/ft)	26	11.6				
Inner Diameter (in)	6.276	4				
Grade	J55	N/A				
Top Driller (ft)	0	8772				
Top Logger (ft)	0	8772				
Bottom Driller (ft)	8859	10482				
Bottom Logger (ft)	8859	10482				

Operational Run Summary

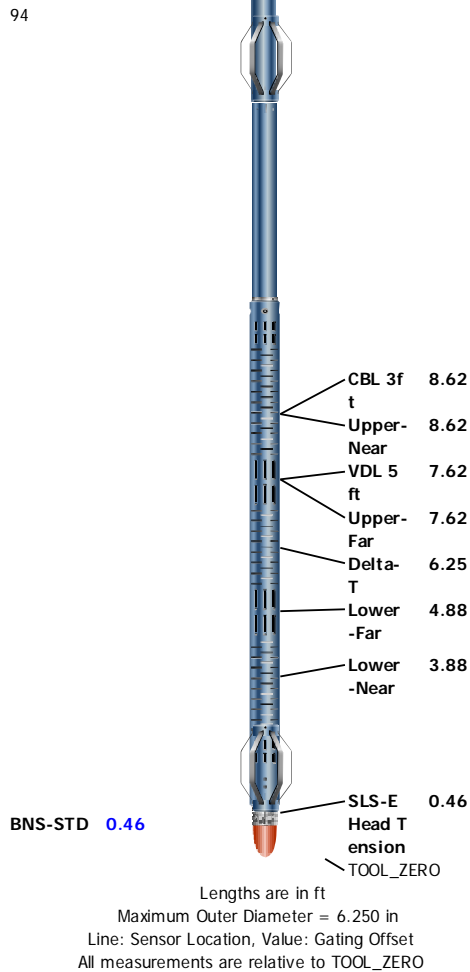
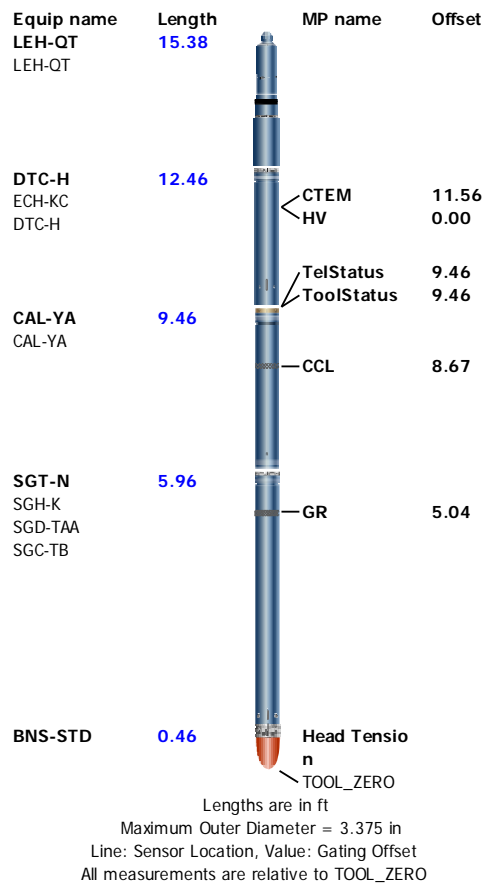
Parameter (unit)	IMP1_Run 1	Run 2				
Date Log Started	09-Apr-2015	25-Apr-2015				
Time Log Started	06:34:00	10:23:52				
Date Log Finished	09-Apr-2015	25-Apr-2015				
Time Log Finished	11:52:08	14:05:56				
Top Log Interval (ft)		50.00				
Bottom Log Interval (ft)	10484.00	8730.00				
Total Depth (ft)	10484.00	8740.00				
Max Hole Deviation (deg)	0.00	NaN				
Azimuth of Max Deviation (deg)	0.00	NaN				
Bit Size (in)	6.125	6.125				
Logging Unit Number	9108	9108				
Logging Unit Location	Ft. Morgan, CO	Ft. Morgan, CO				
Recorded By	Aleksei Bekhterev	Aleksei Bekhterev				

Witnessed By	Jeanell Ries	Ivy Morse				
Service Order Number	CY37-00101	CY37-00101				

Borehole Fluids						
Parameter(unit)	IMP1_Run 1	Run 2				
Fluid Type	Water	Water				
Fluid Name	Fresh Water	Brine				
Max Recorded Temperatures (degF)	299	266				
Salinity (ppm)	0	0				
Density (lbm/gal)	8.4	8.7				
Date Logger on Bottom	09-Apr-2015	25-Apr-2015				
Time Logger on Bottom	08:30:00	11:00:00				
Total Solid (%)						
High Gravity Solids (%)						

Remarks and Equipment Summary						
This is subsiquent trip in the well						
Correlation log: GR-CCL (9-Apr-2015)						
Toolstring ran as per tool sketch. 2 GEMCO centralizers are used to centralize the toolstring						
Log started 10 ft above the plug as per client request						
Repeat pass is done with no pressure as per client request						
Main pass is done under 1000 psi						
CBL log is merged with GR-CCL log (9-Apr-2015) as per client request						
IMP1_Run 1: Remarks		Run 2: Remarks				
		Crew: Gary Lapp, Derrick Hunter				
		Thank you fro choosing Schlumberger Wireline				

IMP1_Run 1: Toolstring	Run 2: Toolstring
	<div> <div> <div>Equip name</div> <div>length</div> <div>MP name</div> <div>Offset</div> </div> <div> <div>LEH-QT</div> <div>37.81</div> <div></div> <div></div> </div> <div> <div>LEH-QT</div> <div></div> <div></div> <div></div> </div> <div> <div>EDTC-B:</div> <div>34.89</div> <div></div> <div></div> </div> <div> <div>8188</div> <div></div> <div></div> <div></div> </div> <div> <div>EDTH-B:</div> <div></div> <div></div> <div></div> </div> <div> <div>8187</div> <div></div> <div></div> <div></div> </div> <div> <div>EDTG-A</div> <div></div> <div></div> <div></div> </div> <div> <div>EDTC-B:</div> <div></div> <div></div> <div></div> </div> <div> <div>8188</div> <div></div> <div></div> <div></div> </div> <div> <div>CAL-YA</div> <div>28.39</div> <div></div> <div></div> </div> <div> <div>CAL-YA</div> <div></div> <div></div> <div></div> </div> <div> <div>CME-AF</div> <div>24.89</div> <div></div> <div></div> </div> <div> <div>DSLT-H:</div> <div>21.1</div> <div></div> <div></div> </div> <div> <div>8181</div> <div></div> <div></div> <div></div> </div> <div> <div>ECH-KH:</div> <div></div> <div></div> <div></div> </div> <div> <div>8232</div> <div></div> <div></div> <div></div> </div> <div> <div>DSLCH:</div> <div></div> <div></div> <div></div> </div> <div> <div>8181</div> <div></div> <div></div> <div></div> </div> <div> <div>SLS-E:12</div> <div></div> <div></div> <div></div> </div> </div> <div> <div>CTEM</div> <div>31.39</div> <div></div> <div></div> </div> <div> <div>ACCZ</div> <div>0.00</div> <div></div> <div></div> </div> <div> <div>HV</div> <div>0.00</div> <div></div> <div></div> </div> <div> <div>Gamm</div> <div>29.52</div> <div></div> <div></div> </div> <div> <div>a Ray</div> <div></div> <div></div> <div></div> </div> <div> <div>TelSta</div> <div>28.39</div> <div></div> <div></div> </div> <div> <div>tus</div> <div></div> <div></div> <div></div> </div> <div> <div>CCL</div> <div>27.6</div> <div></div> <div></div> </div>



Depth Summary

	IMP1_Run 1	Run 2	
Depth Measuring Device			
Type	IDW-JA	IDW-JA	
Serial Number	6780	6780	
Calibration Date	12-Apr-2015	11-Dec-2014	
Calibrator Serial Number			
Calibration Cable Type	7-46A-XS	7-46A-XS	
Wheel Correction 1	-2	-2	
Wheel Correction 2	-2	-2	
Tension Device			
Type	CMTD-B/A	CMTD-B/A	
Serial Number	171	171	
Calibration Date	26-Mar-2015	26-Mar-2015	
Calibrator Serial Number		78805A	
Number of Calibration Points	10	10	
Calibration Root Mean Square Error	14	14	
Calibration Peak Error	26	26	
Logging Cable			
Type	7-46A-XS	7-46A-XS	
Serial Number			
Length	18000.00 ft	18000.00 ft	
Conveyance Type	Wireline	Wireline	
Rig Type	Land Rig	Land Rig	
IMP1_Run 1:Depth Control Parameters		Depth Control Remarks	
Log Sequence	First Log In the Well	All Schlumberger depth polices followed	
Rig Up Length At Surface		IDW used as primary depth device	
Rig Up Length At Bottom		Z-chart used as secondary depth reference	

Rig Up Length Correction	
Stretch Correction	
Tool Zero Check At Surface	
Run 2:Depth Control Parameters	Depth Control Remarks
Log Sequence	All Schlumberger depth policies followed IDW used as primary depth device Z-chart used as secondary depth reference
Subsequent Trip To the Well	
Reference Log Name	
Reference Log Run Number	
Reference Log Date	
Subsequent Trip Down Log Correction	

Composite 1

Main Pass (1000 psi)

Software Version

Acquisition System	Version
Maxwell	5.2.40401.3100

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
IMP1_Run 1	Main[4]:Up	Up	15.46 ft	10490.12 ft	09-Apr-2015 10:36:30 AM	09-Apr-2015 11:48:22 AM	ON	-1.31 ft	Yes
Run 2	Main[6]:Up	Up	5839.89 ft	8738.82 ft	25-Apr-2015 11:21:36 AM	25-Apr-2015 12:12:31 PM	ON	7.92 ft	Yes
Run 2	Log[7]:Up	Up	59.02 ft	5902.34 ft	25-Apr-2015 12:24:24 PM	25-Apr-2015 2:02:29 PM	ON	8.61 ft	Yes

All depths are referenced to toolstring zero

Log

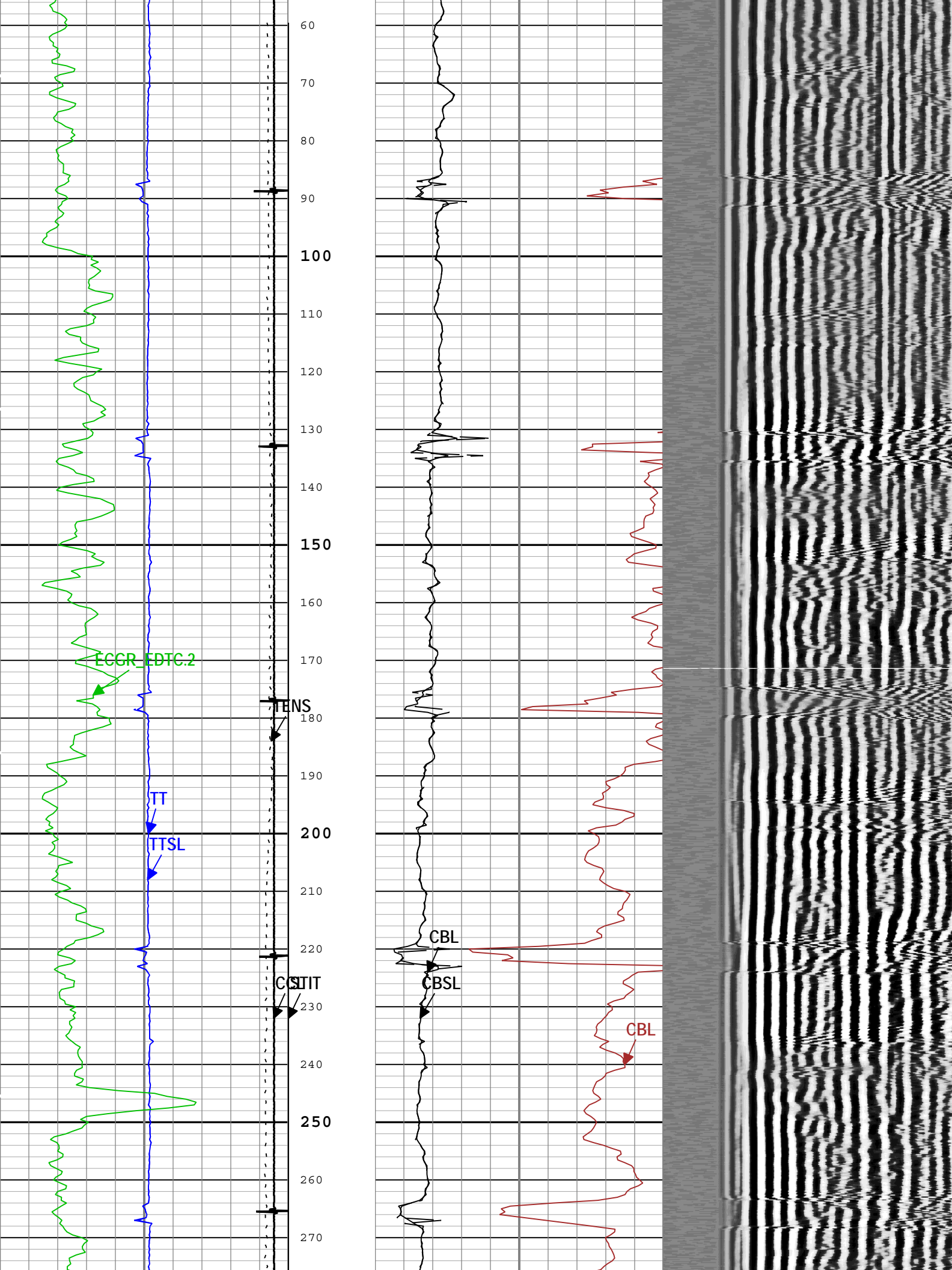
Company:NGL Water Solutions DJ LLC Well:NGL C10
Composite 1:S013

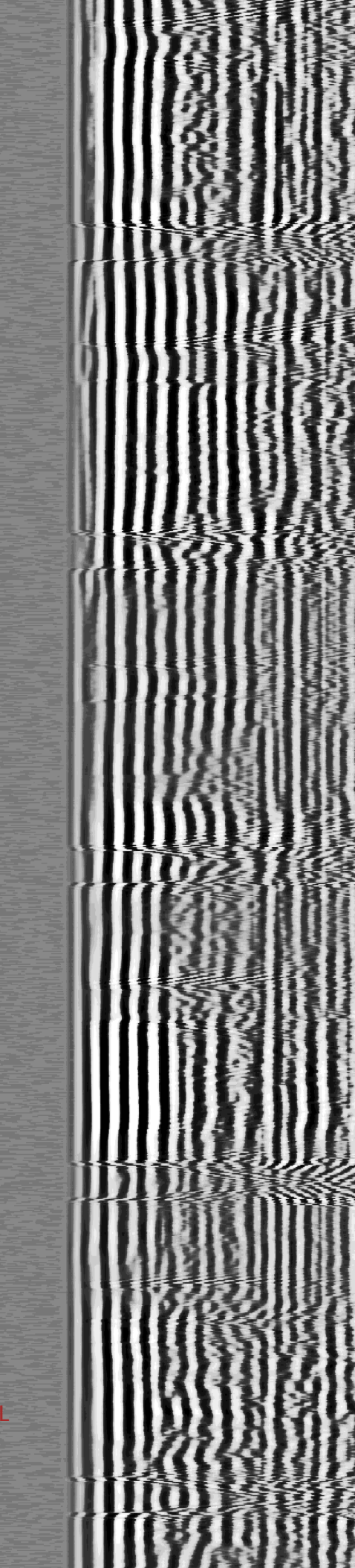
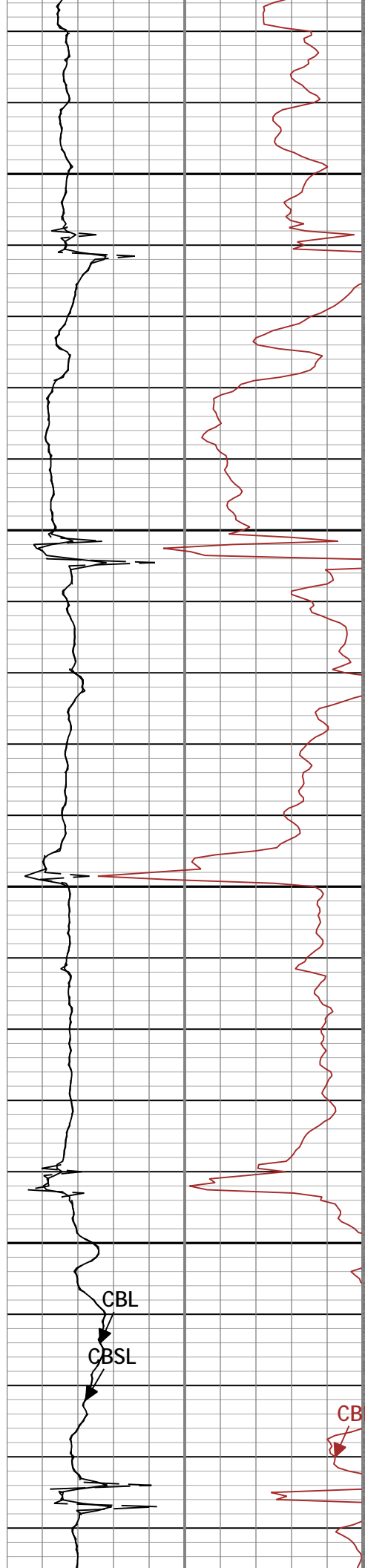
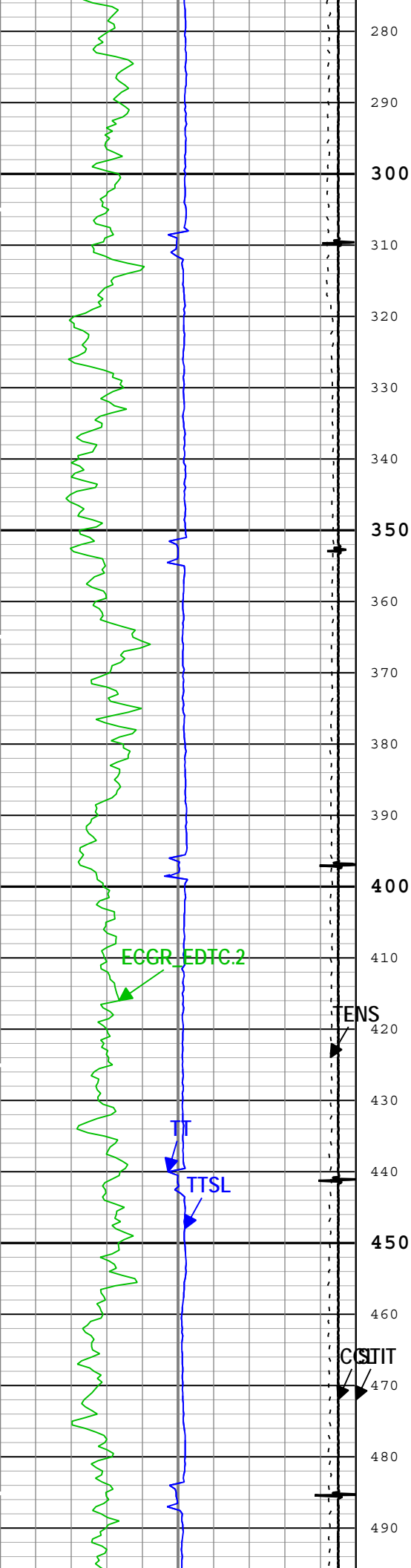
Description: CBL_Dual_Gate Format: Log (Sonic CBL Dual Gate with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth
Creation Date: 25-Apr-2015 18:07:20

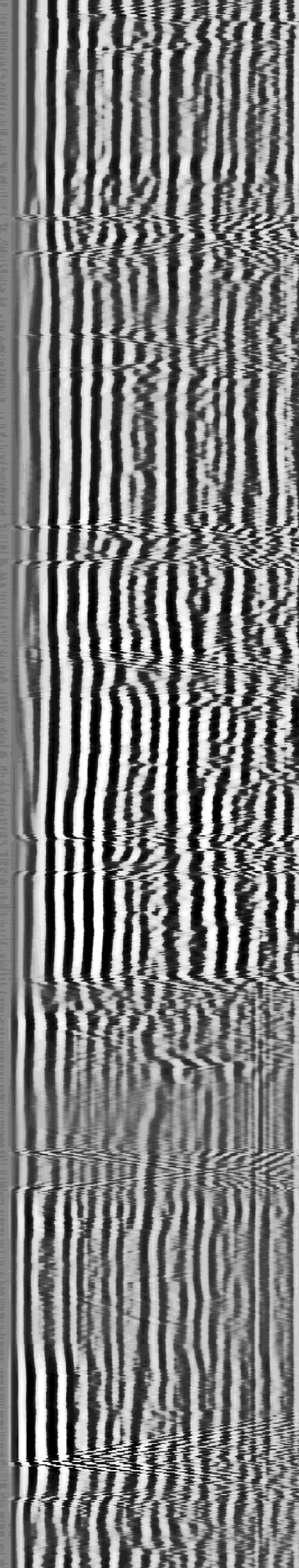
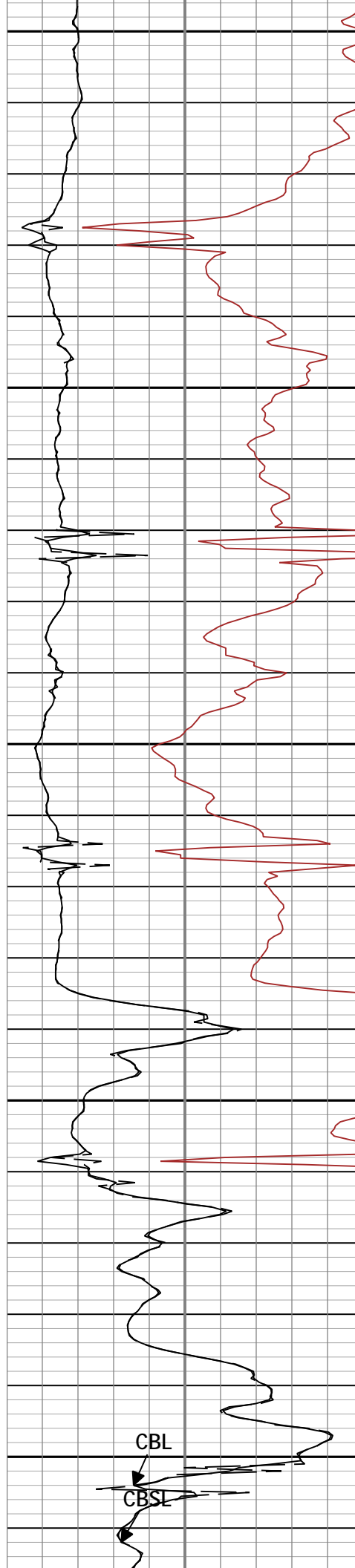
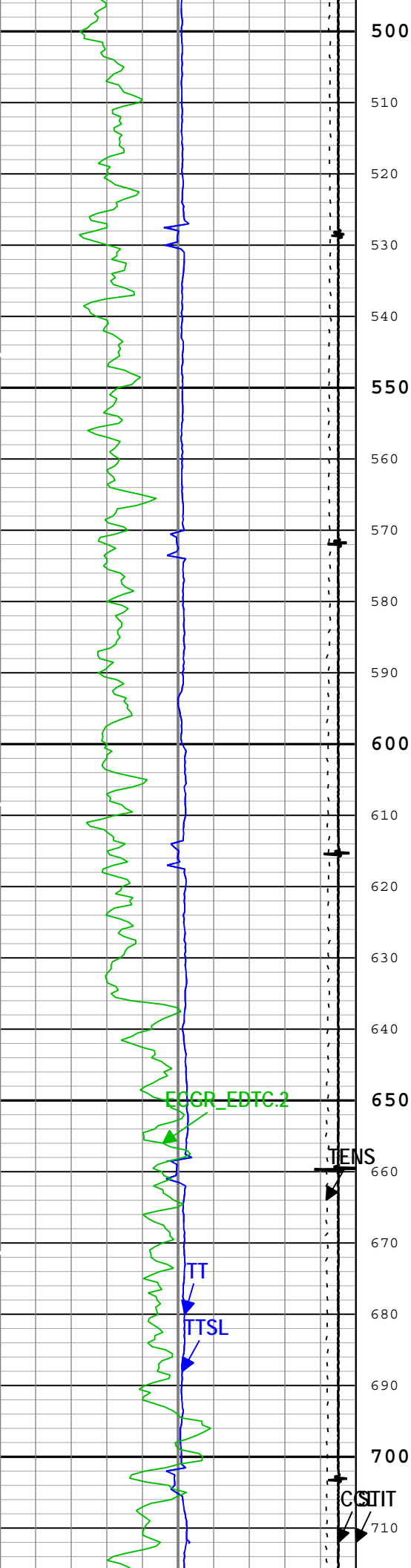
- └ BIEP - Bond Index Event Pips DSLT-H[1]

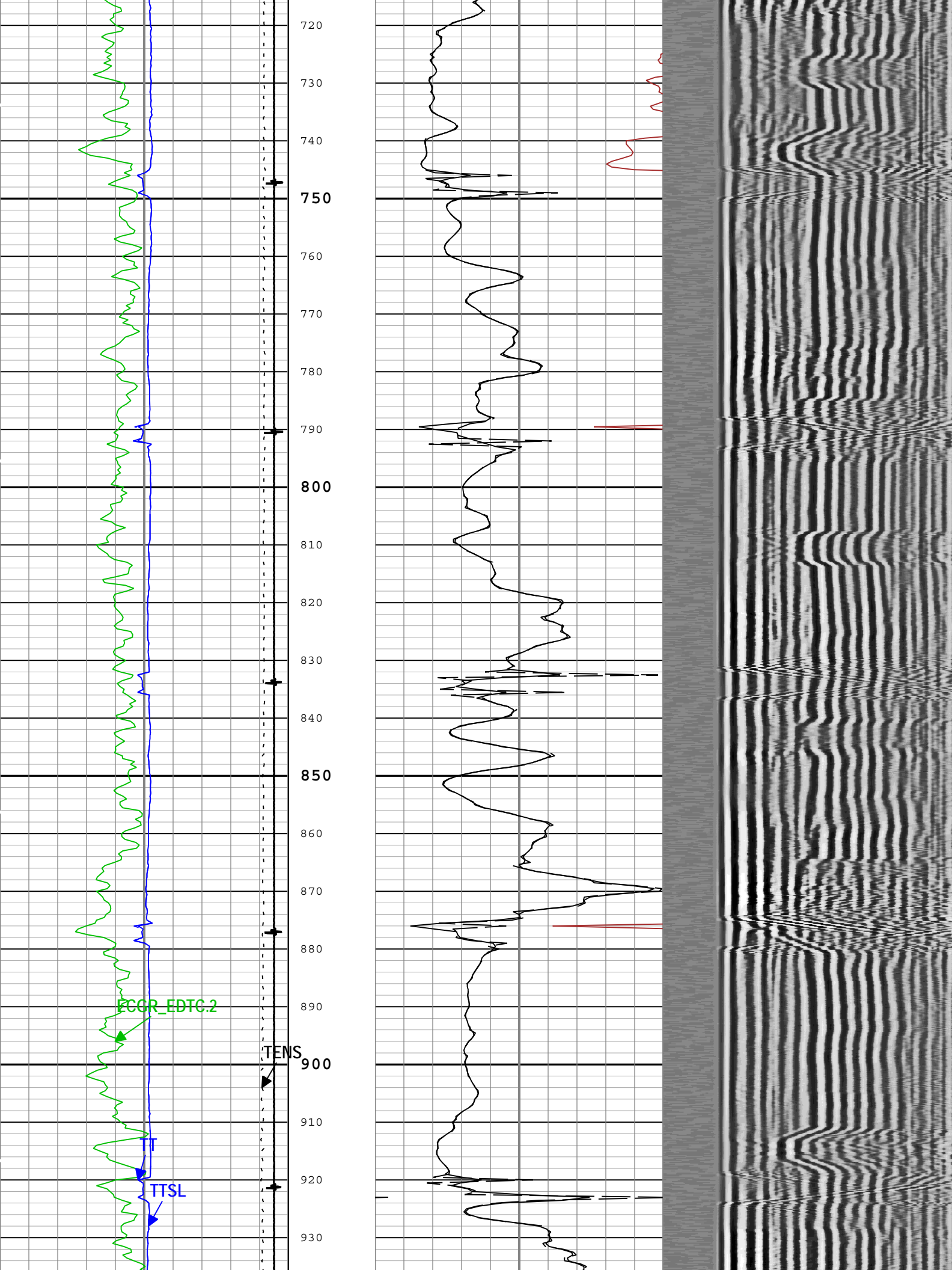
TIME_1900 - Time Marked every 60.00 (s)

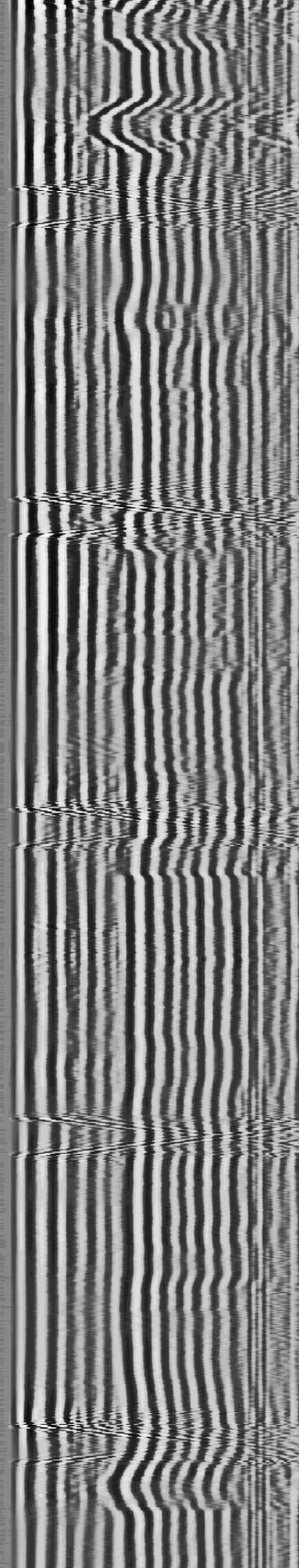
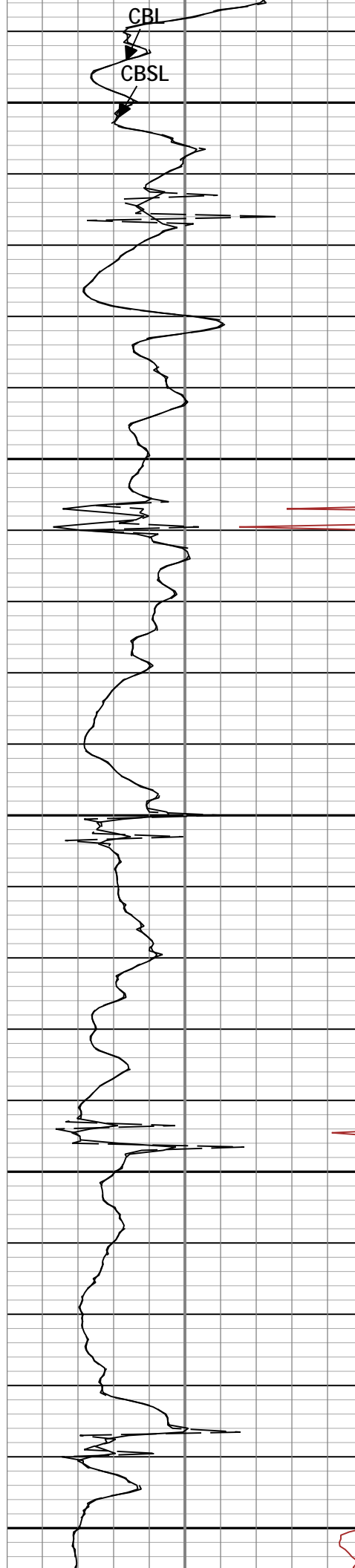
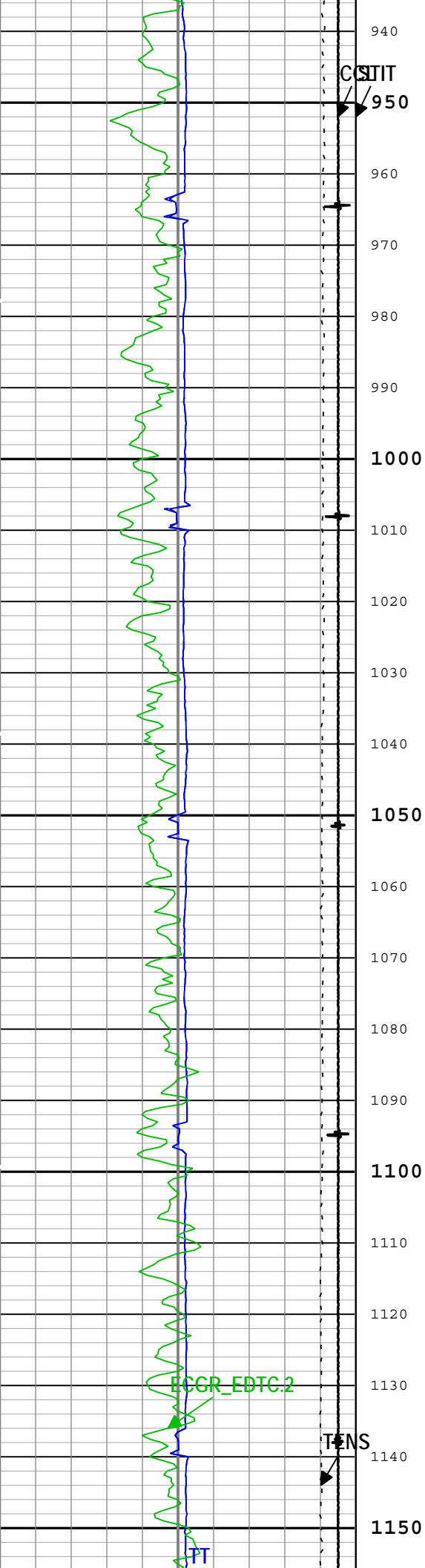
Casing Collar Locator Amplitude (CCL) CAL-YA[1]											
-19	1										
Gamma Ray (ECGR).1 SGT-N[1]											
0	150										
gAPI											
Transit Time (Sliding Gate) (TTSL) DSLT-H[1]											
400	200										
us											
Transit Time for CBL (TT) DSLT-H[1]											
400	200										
us											
Cable Tension (TENS)											
10000	0										
lbf											
Gamma Ray (ECGR_EDTC).2 EDTC-B[1]											
0	150										
gAPI											
Stuck Tool Indicator, Total (STIT)											
0	50										
ft											
Cable Drag											
0	50										
mV											
Tool_Tot. Drag											
0	50										
mV											
CBL Amplitude (CBL) DSLT-H[1]											
0	10										
mV											
CBL Amplitude (Sliding Gate) (CBSL) DSLT-H[1]											
0	50										
mV											
CBL Amplitude (CBL) DSLT-H[1]											
0	50										
mV											
Variable Density Log (VDL) DSLT-H[1]											
200	1200										
us											

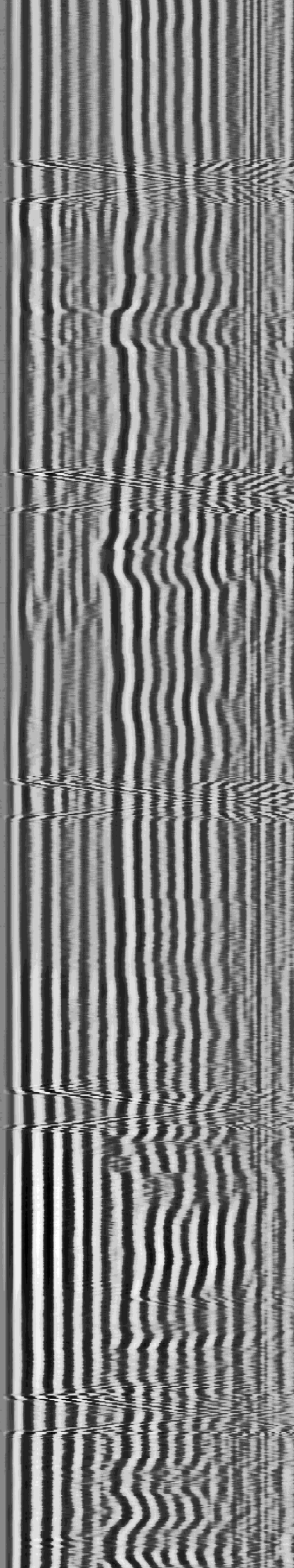
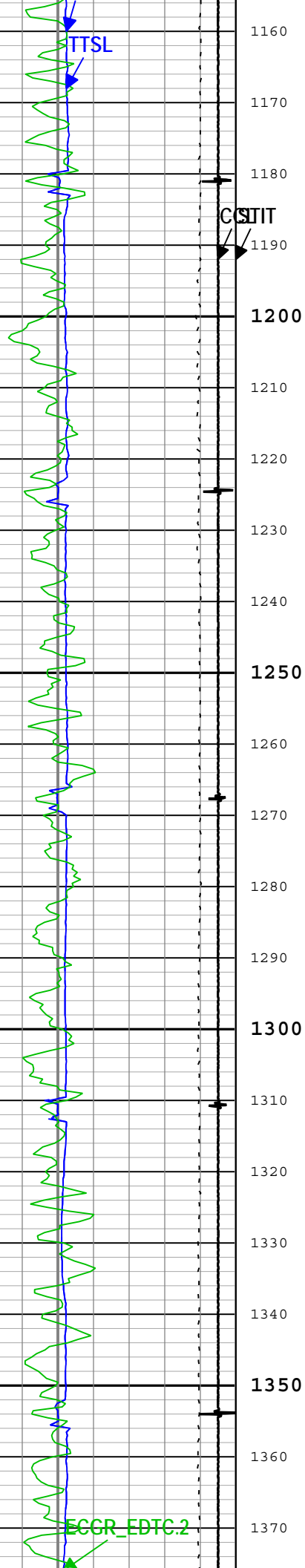


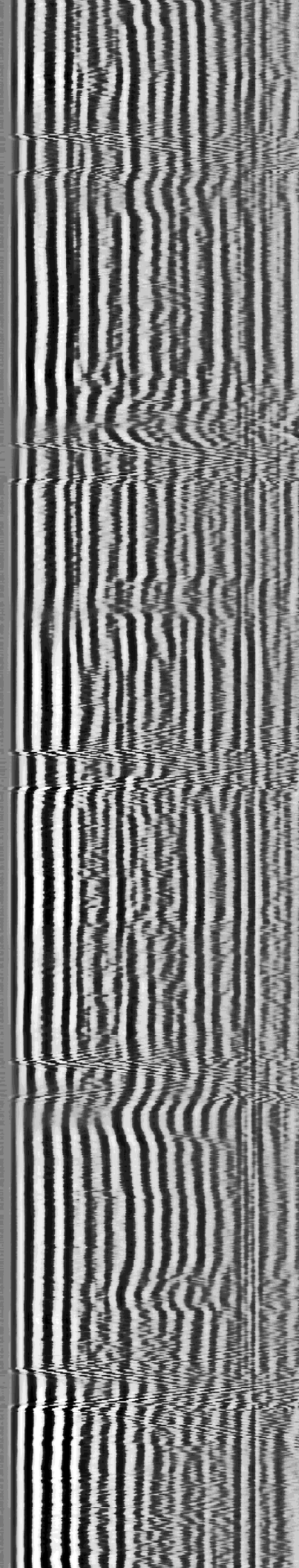
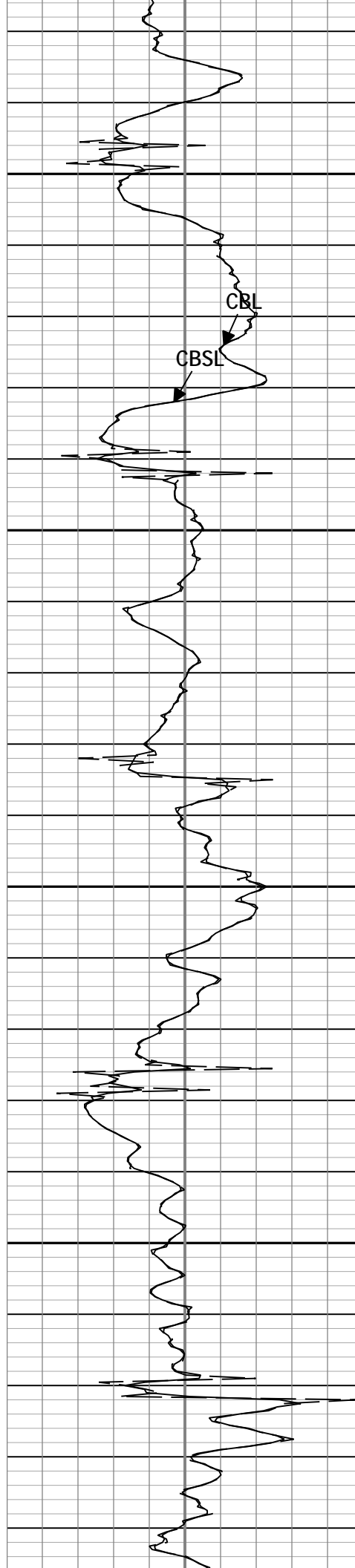
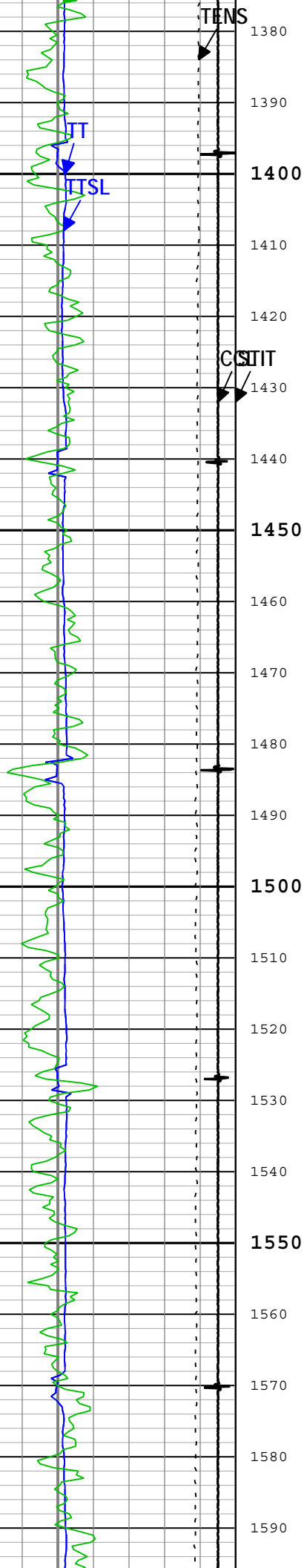


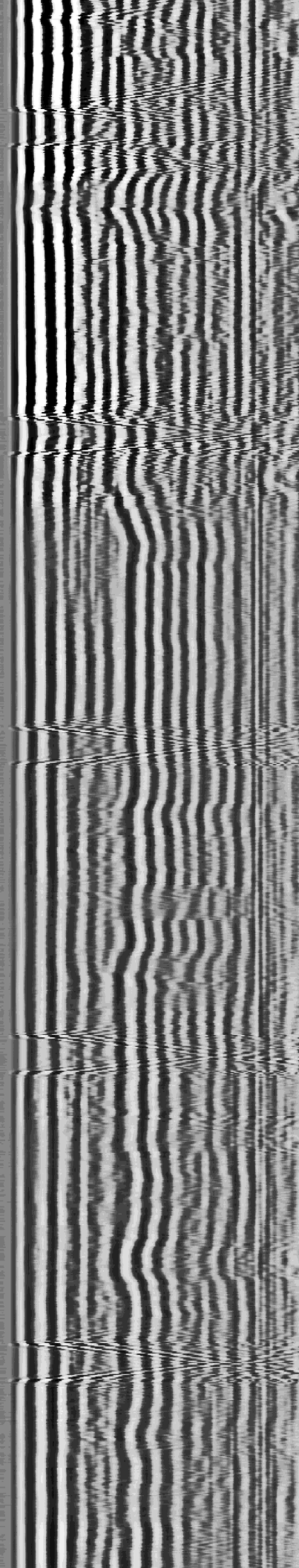
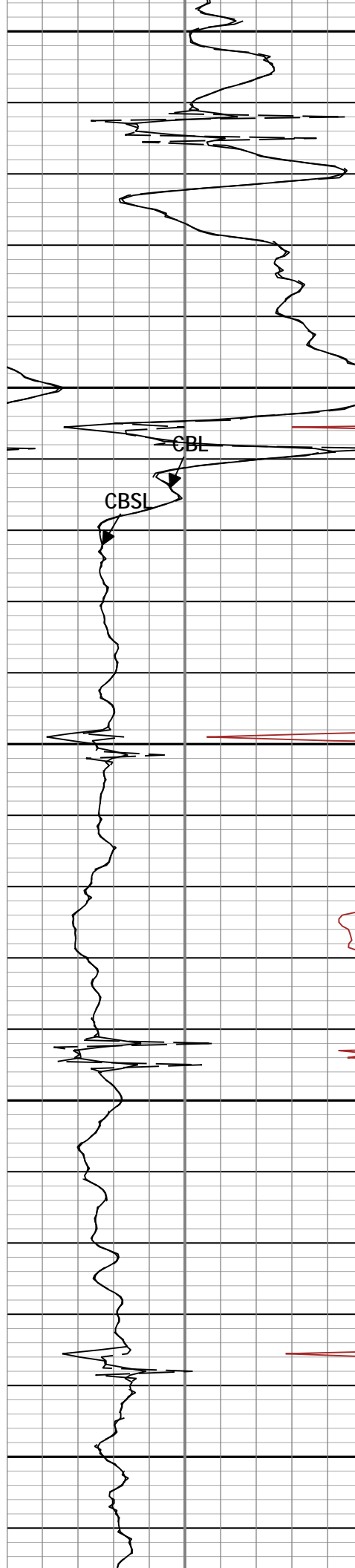
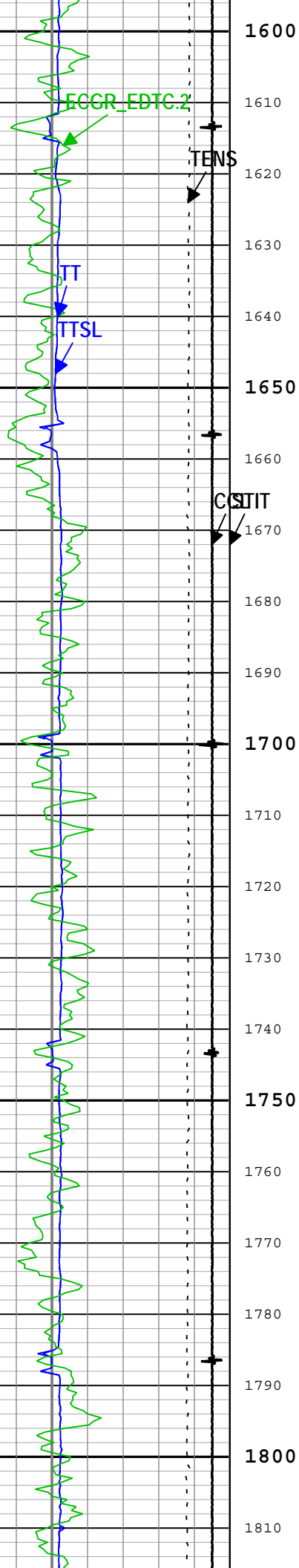


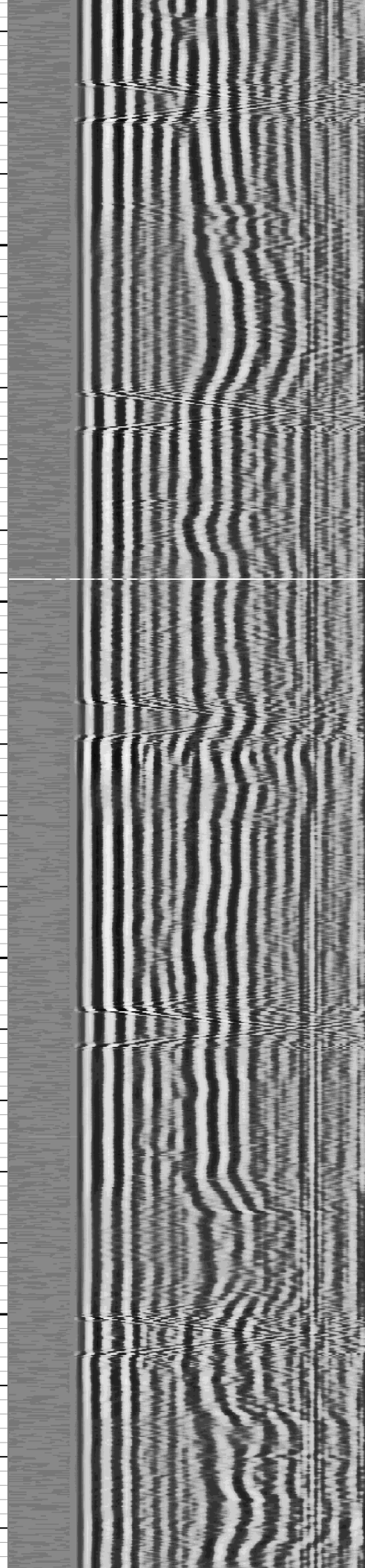
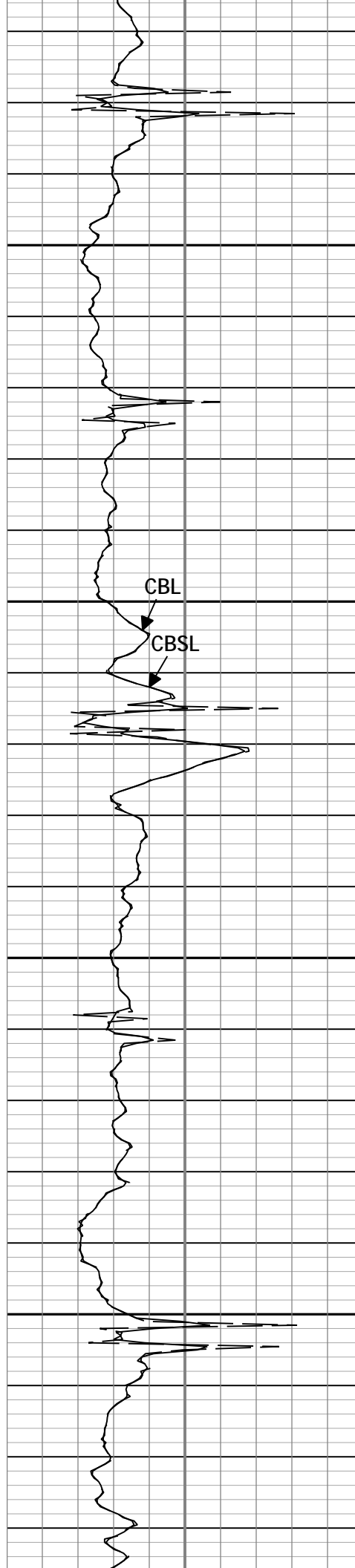
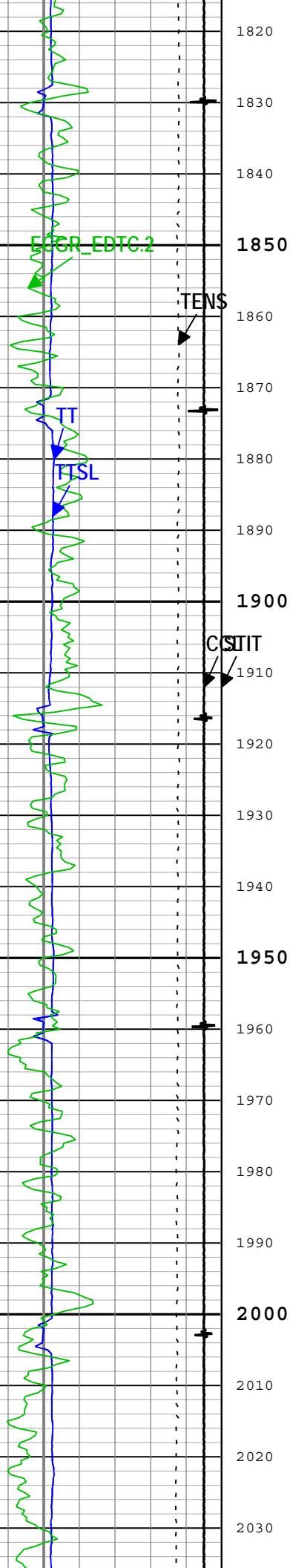


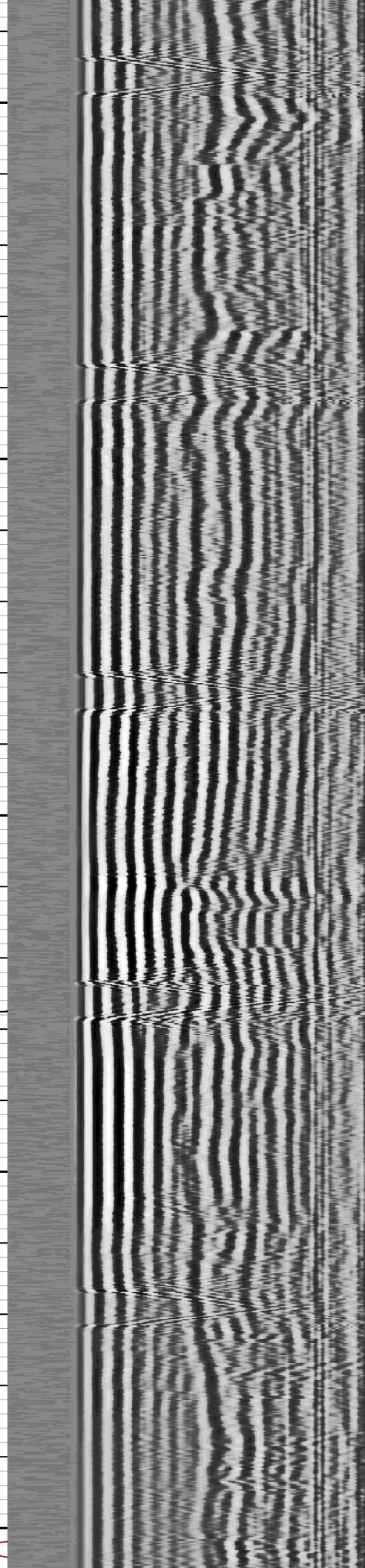
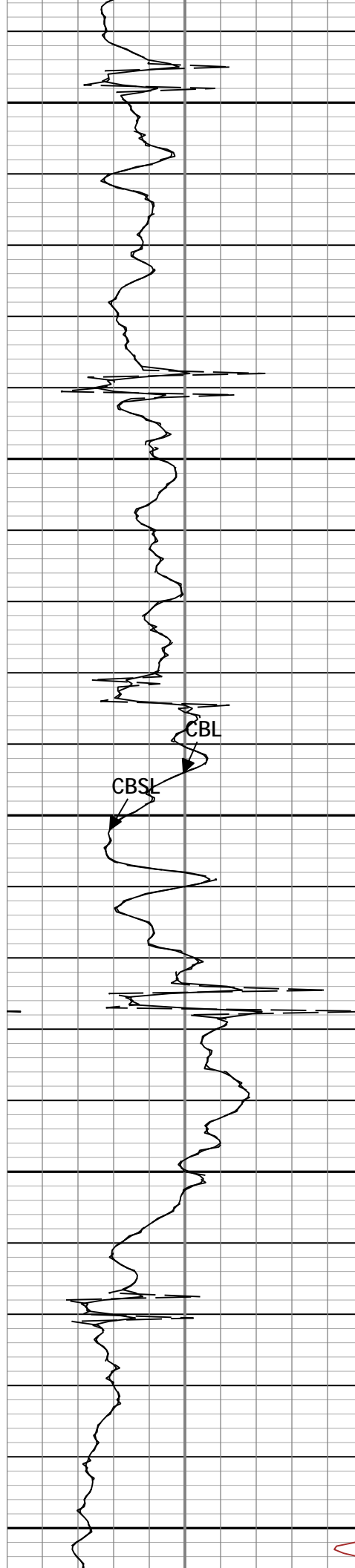
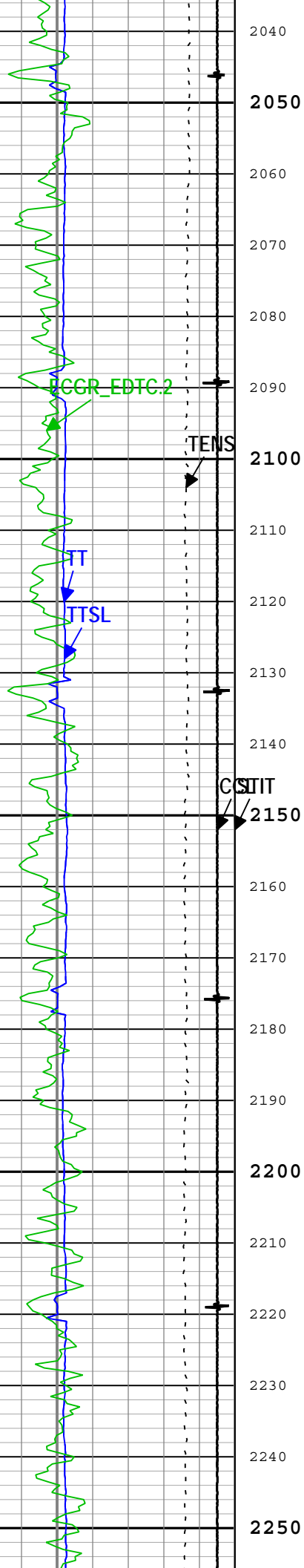


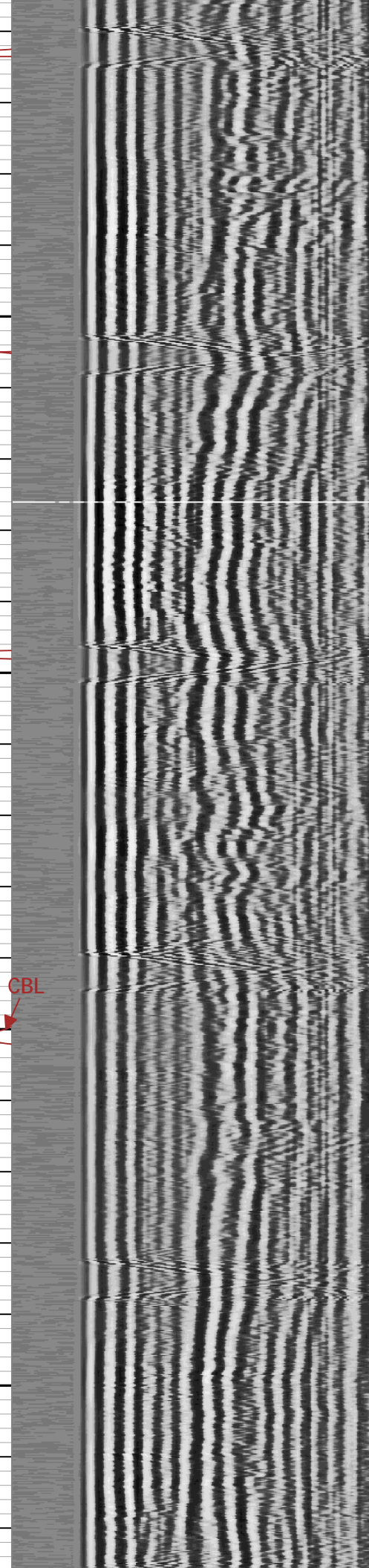
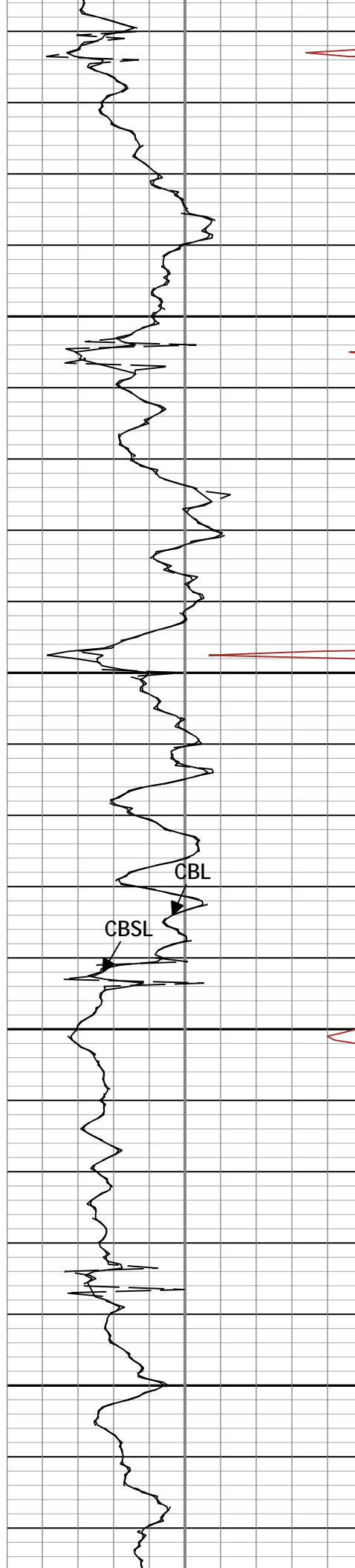
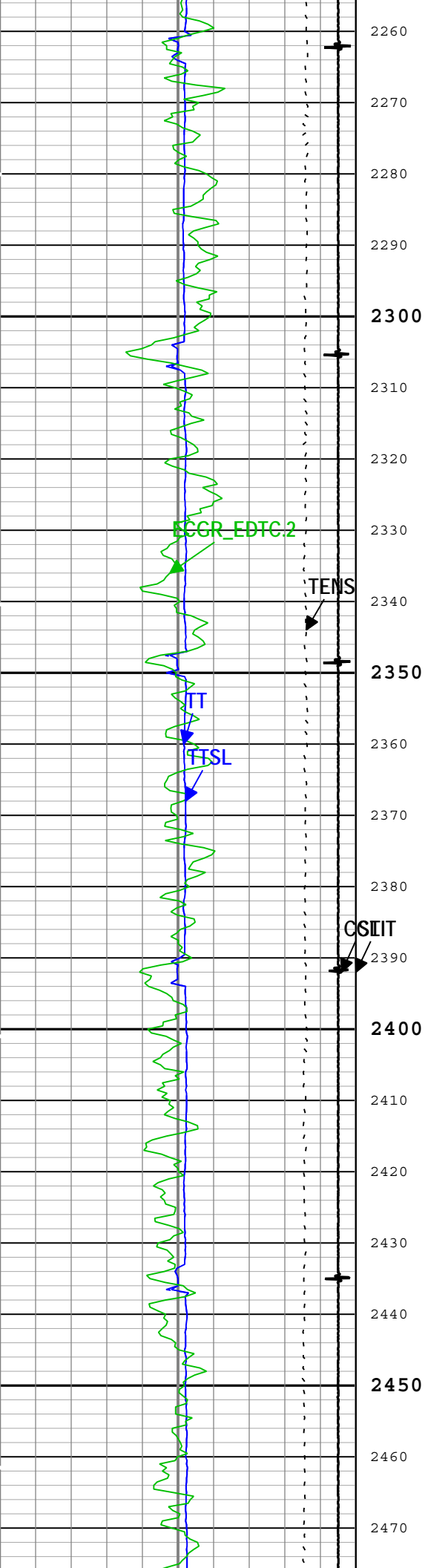


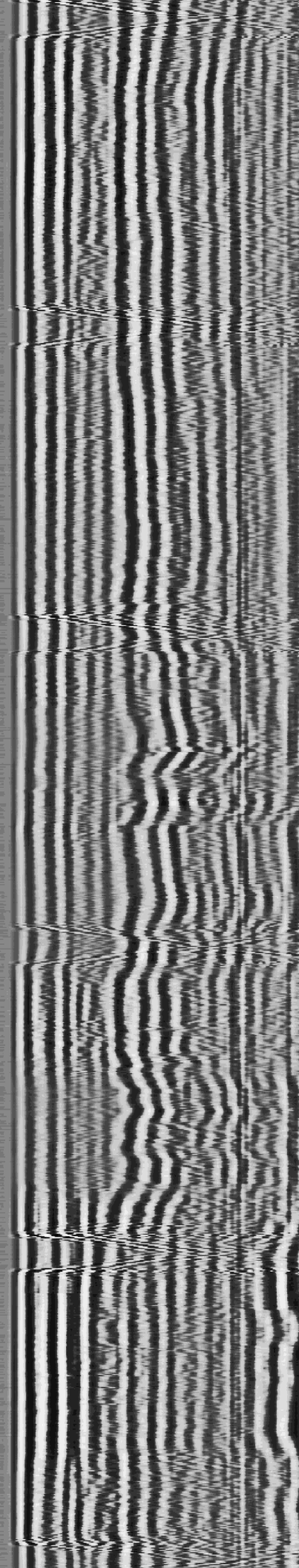
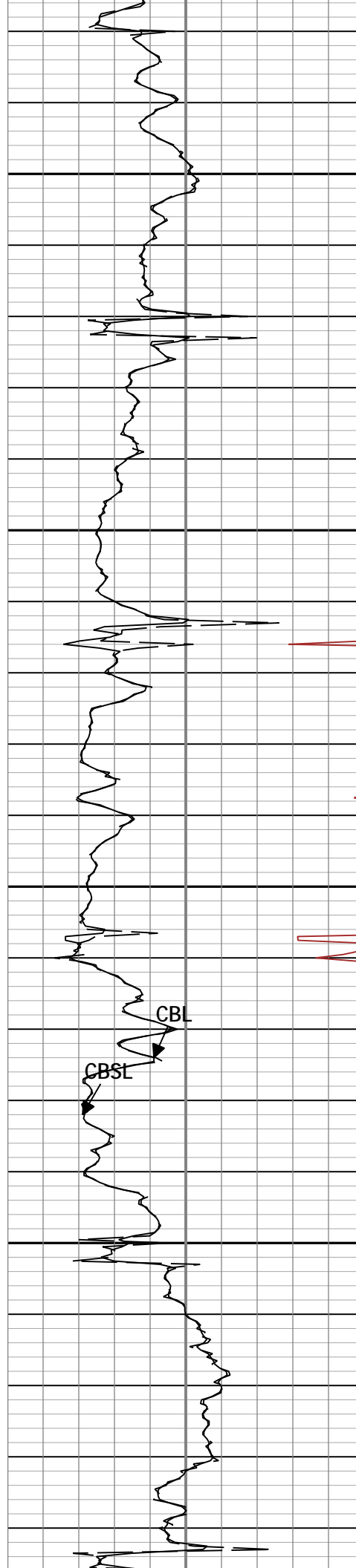
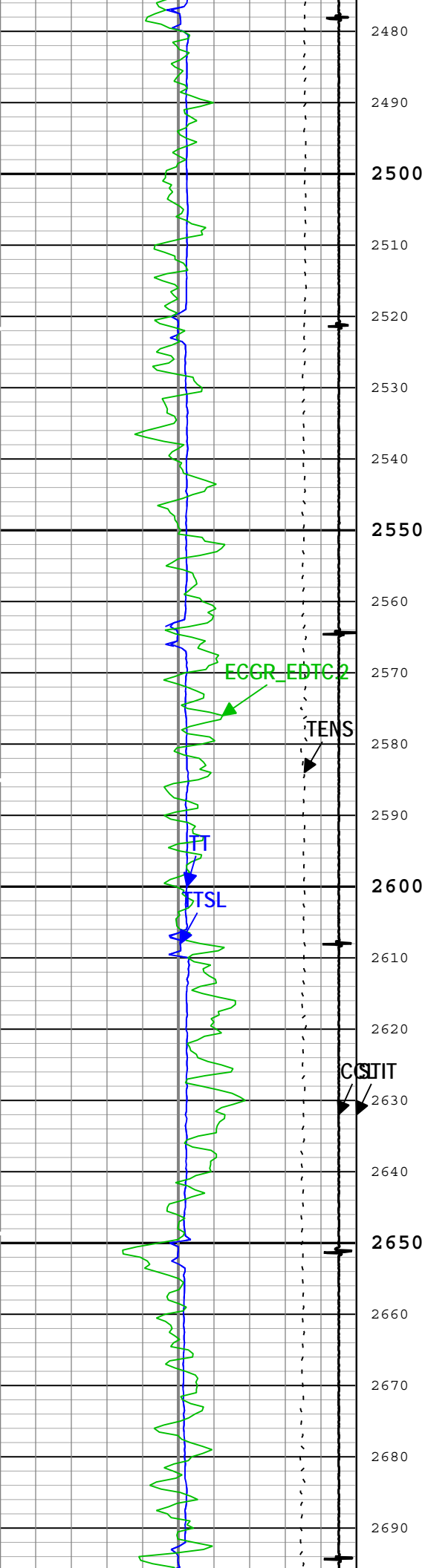


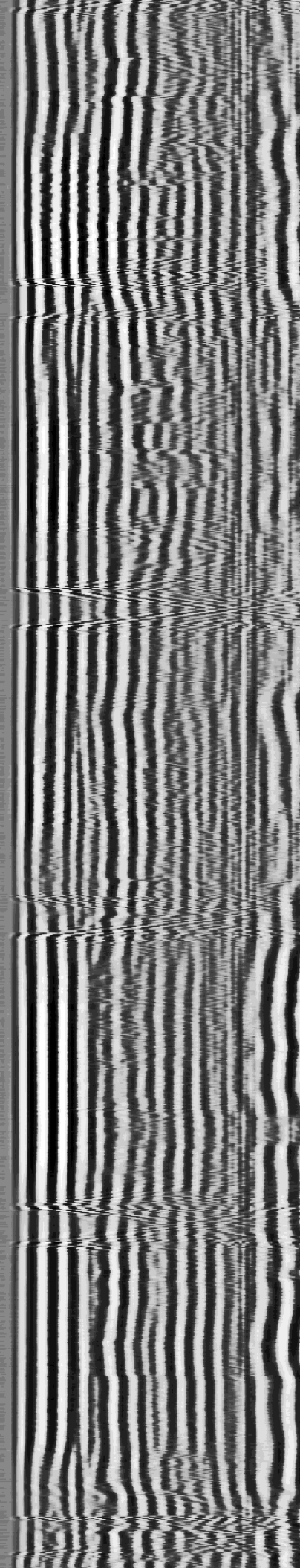
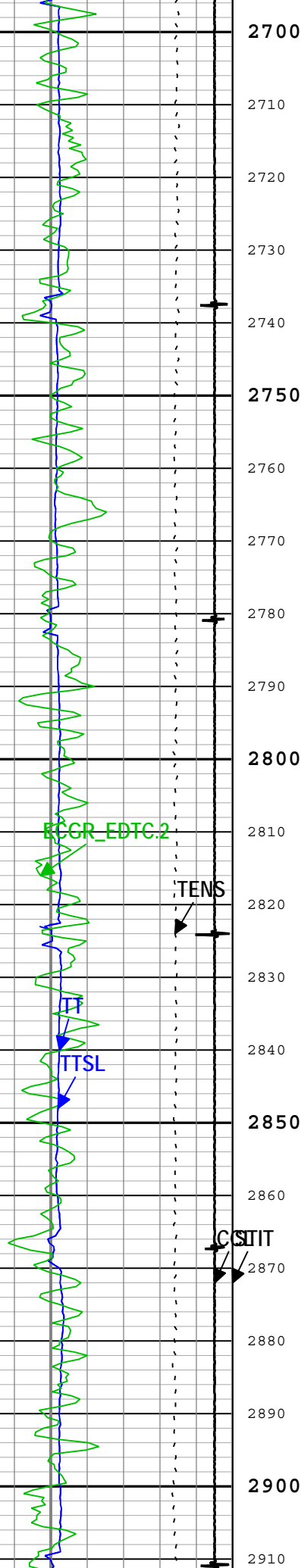


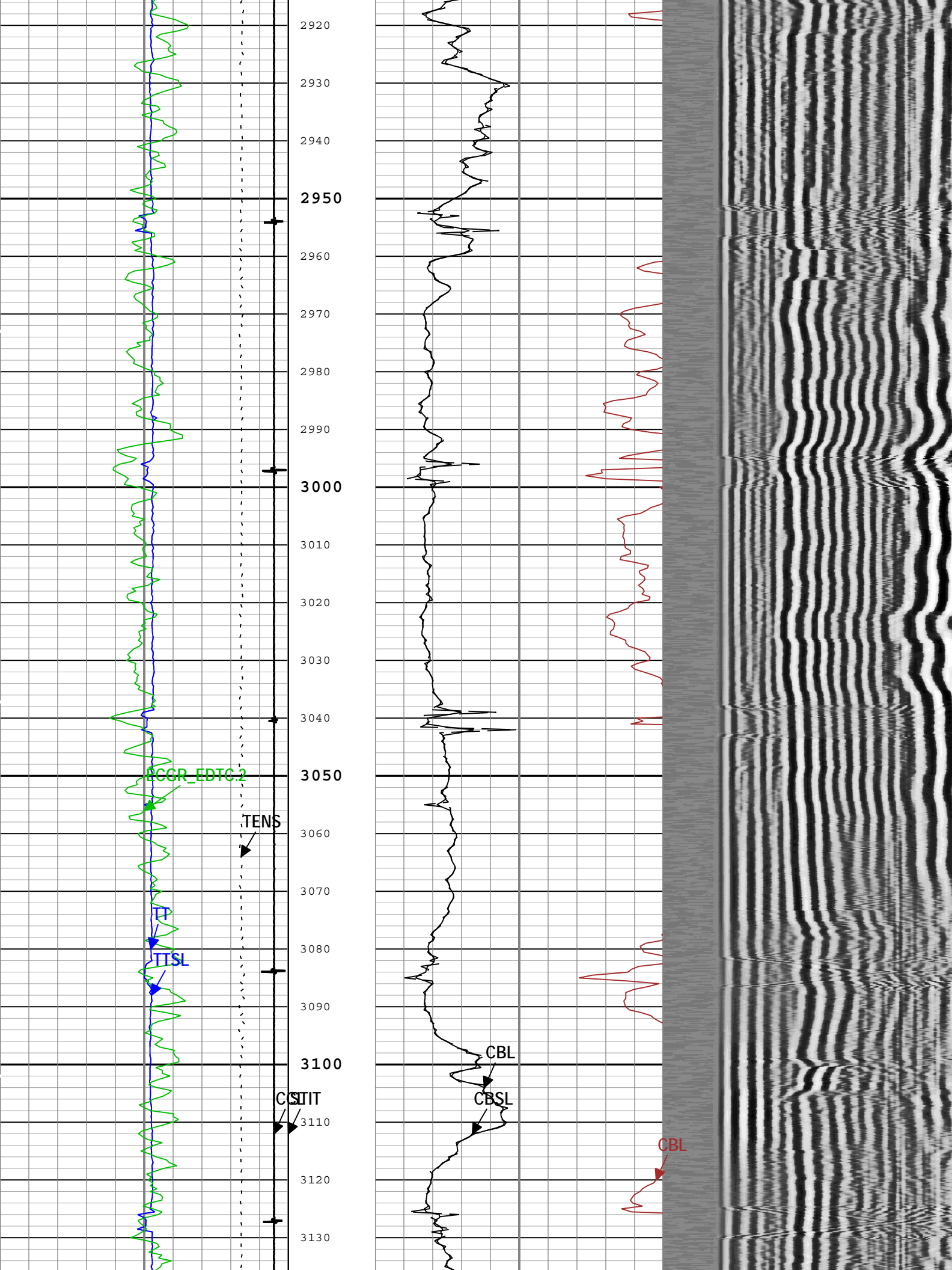


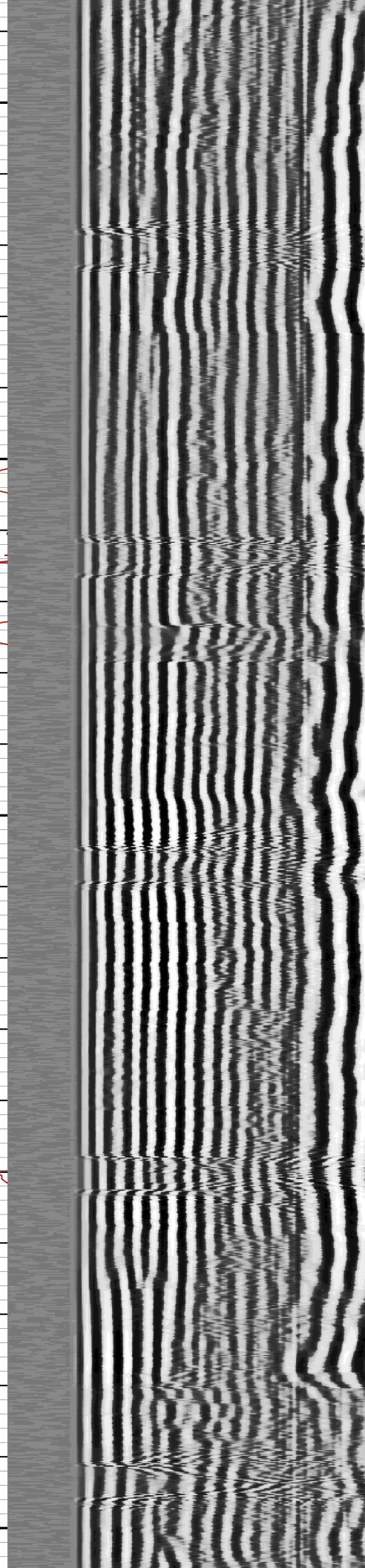
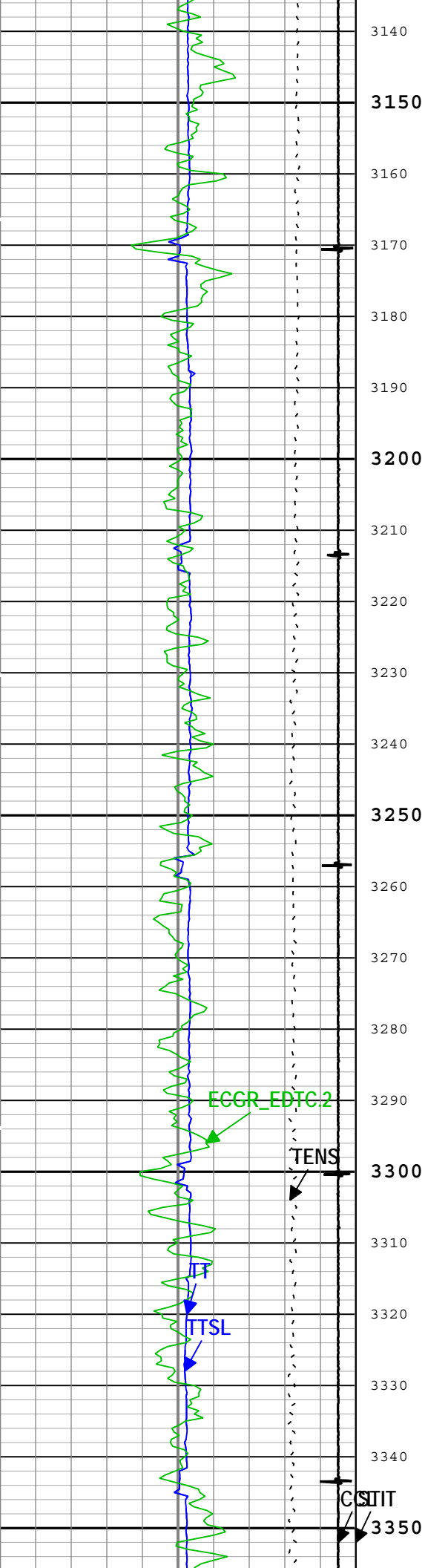


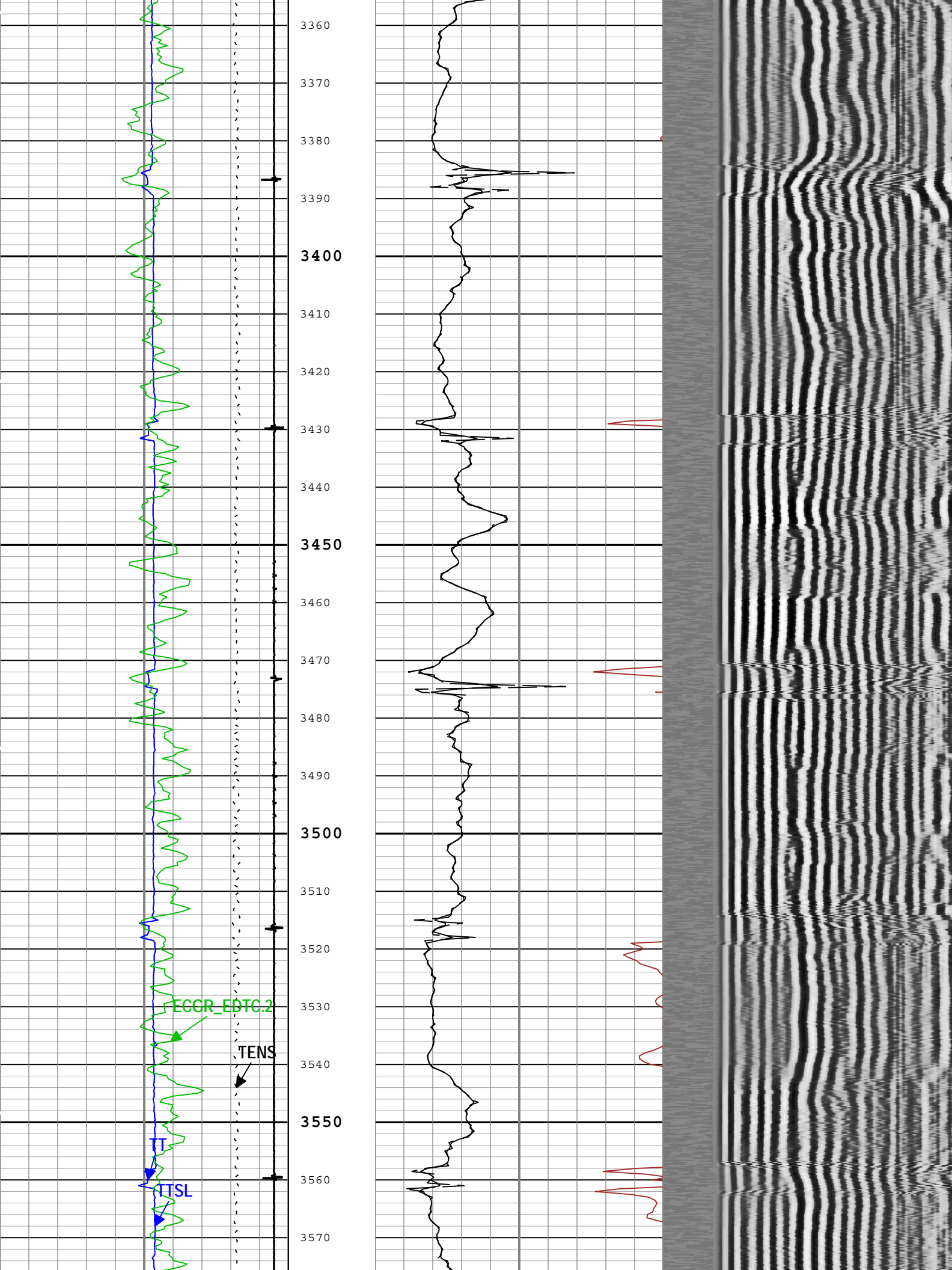


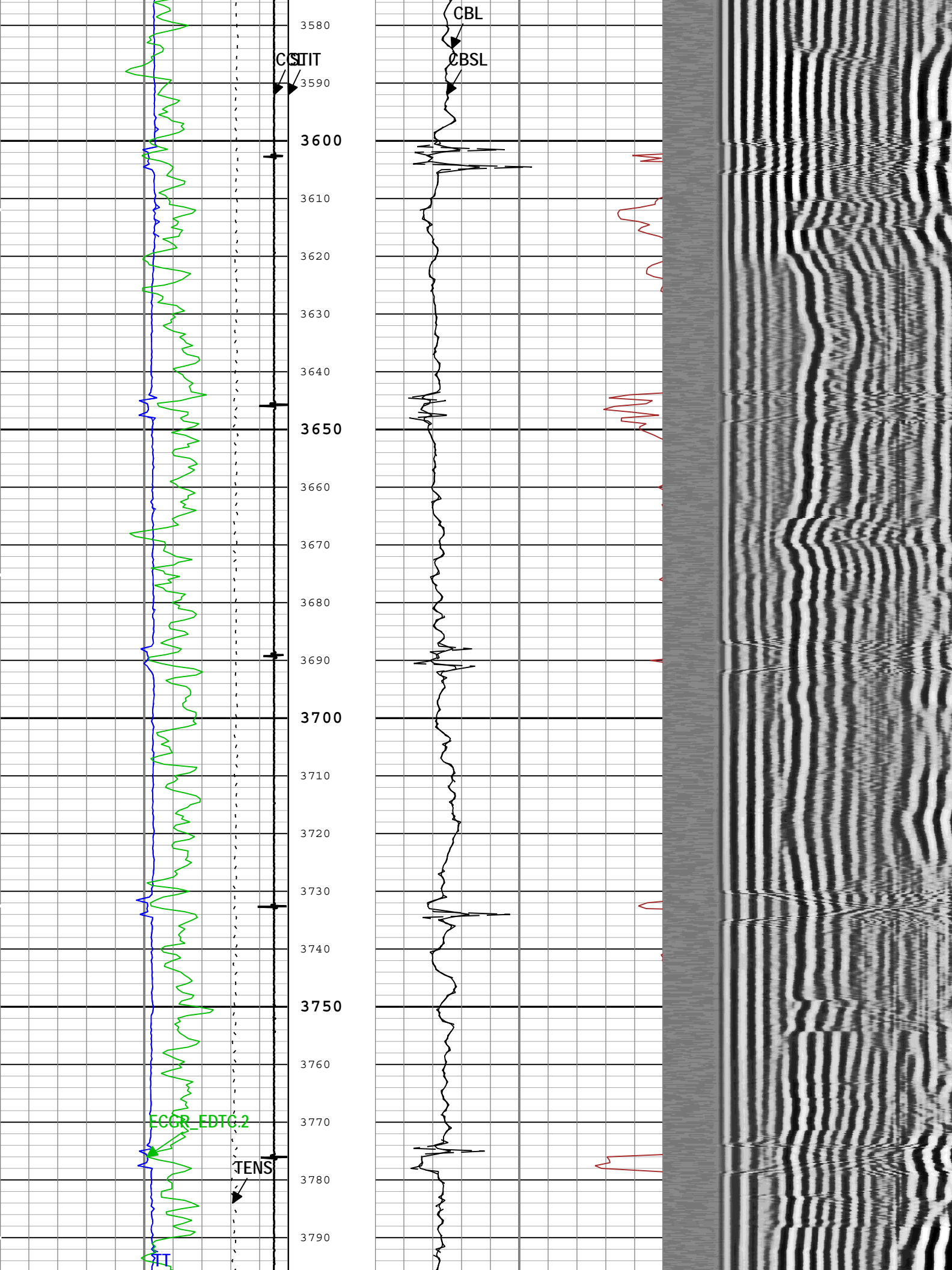


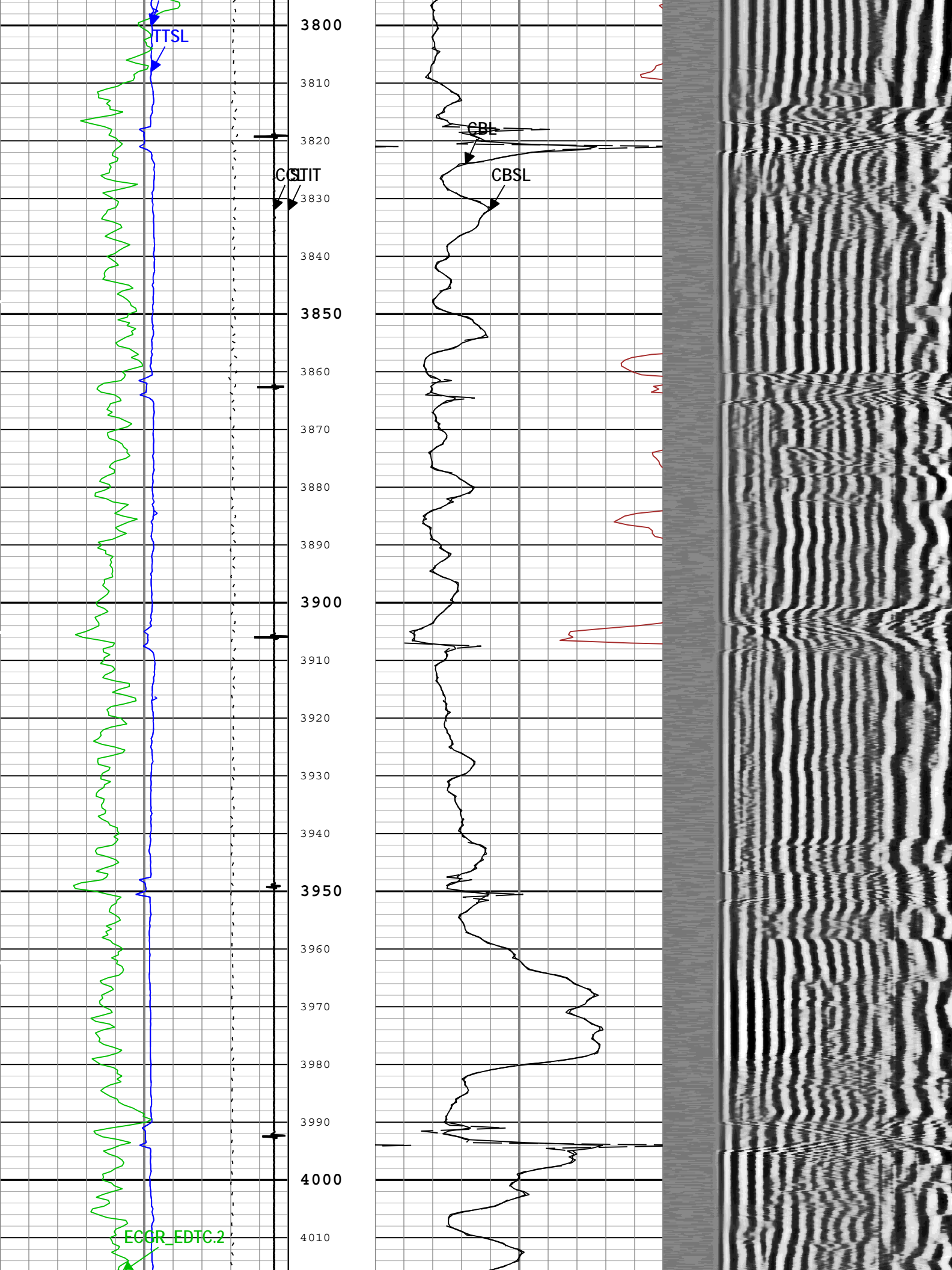


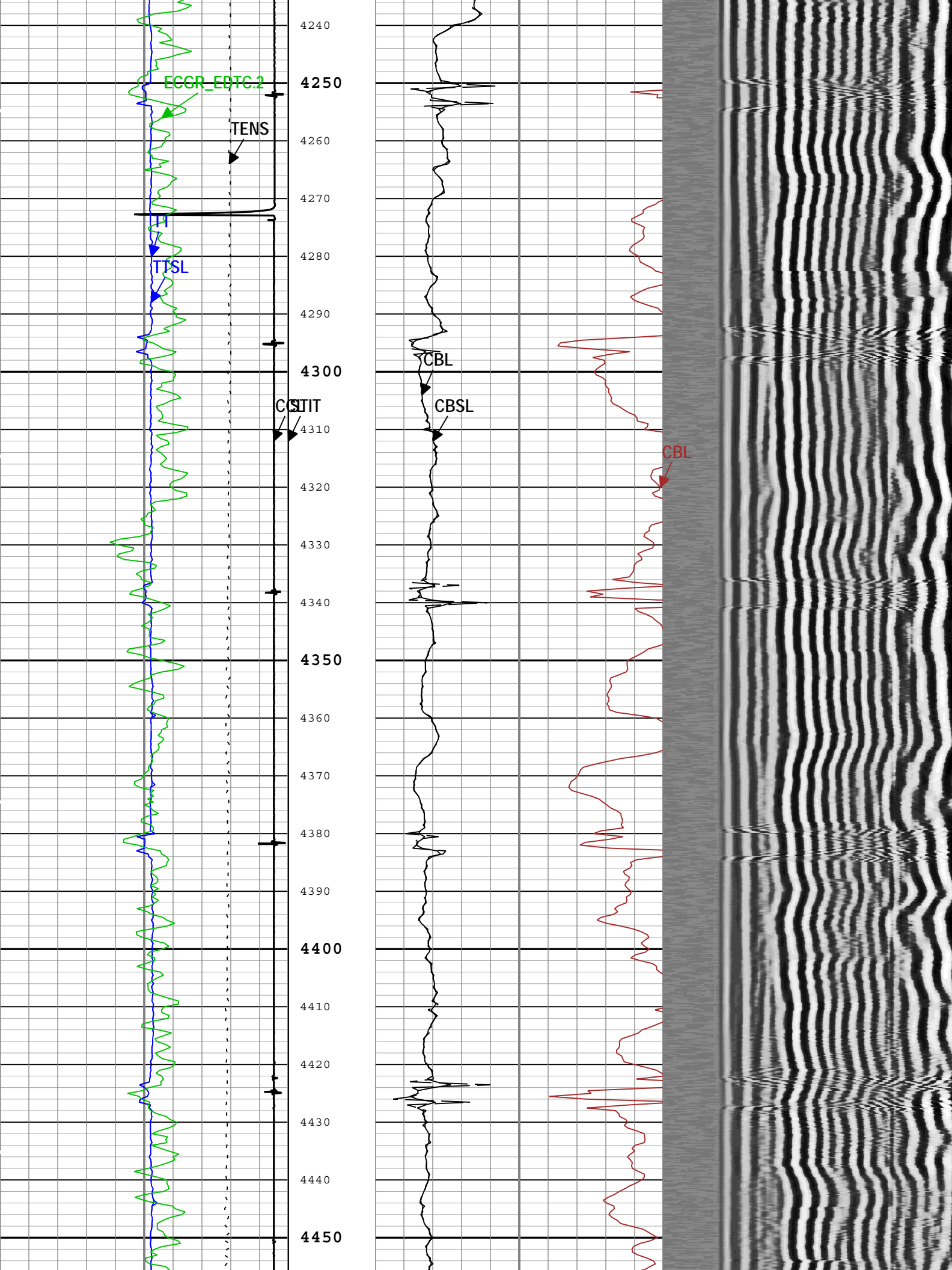


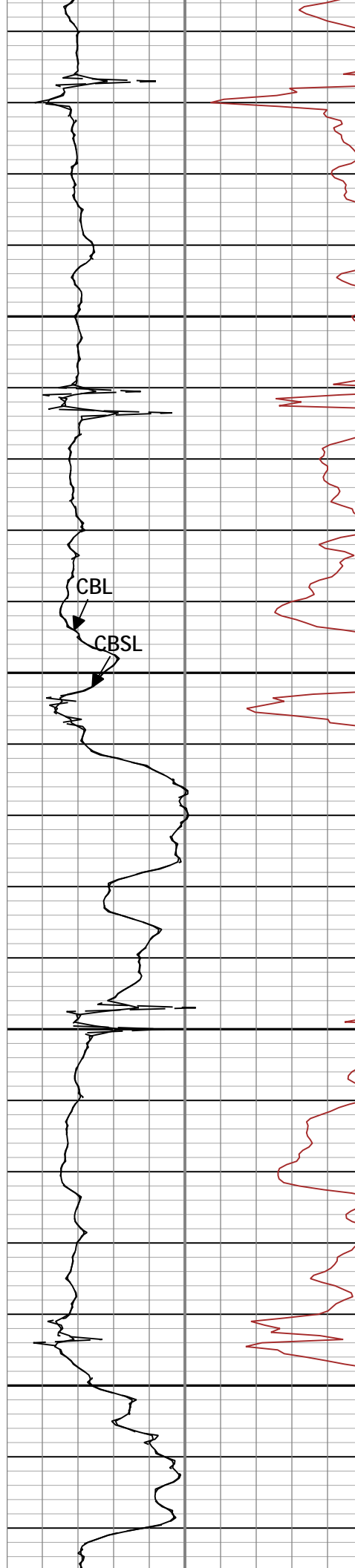
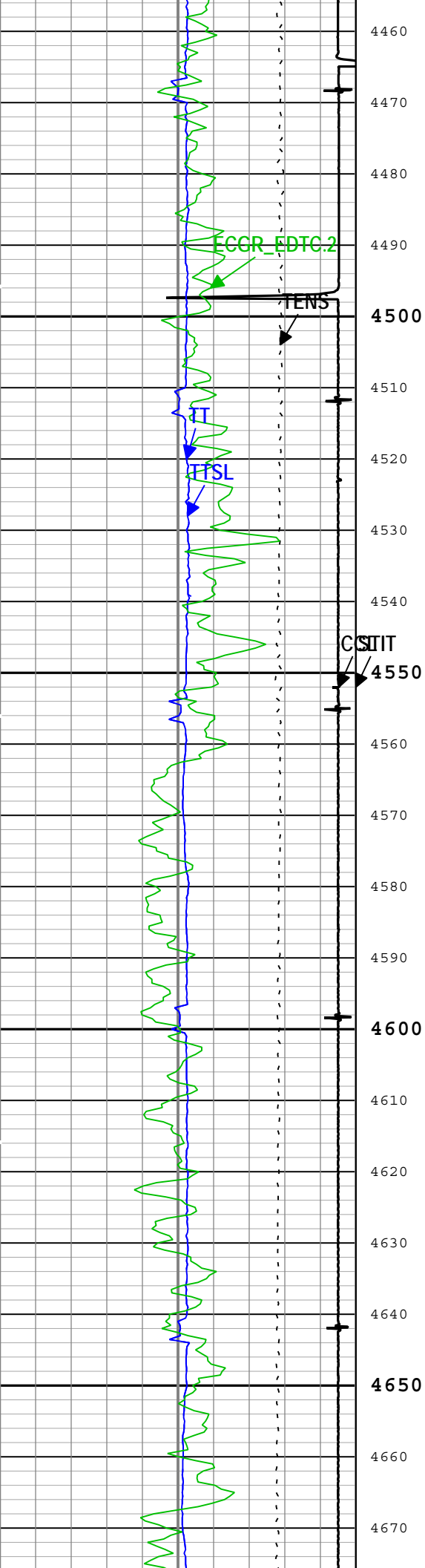


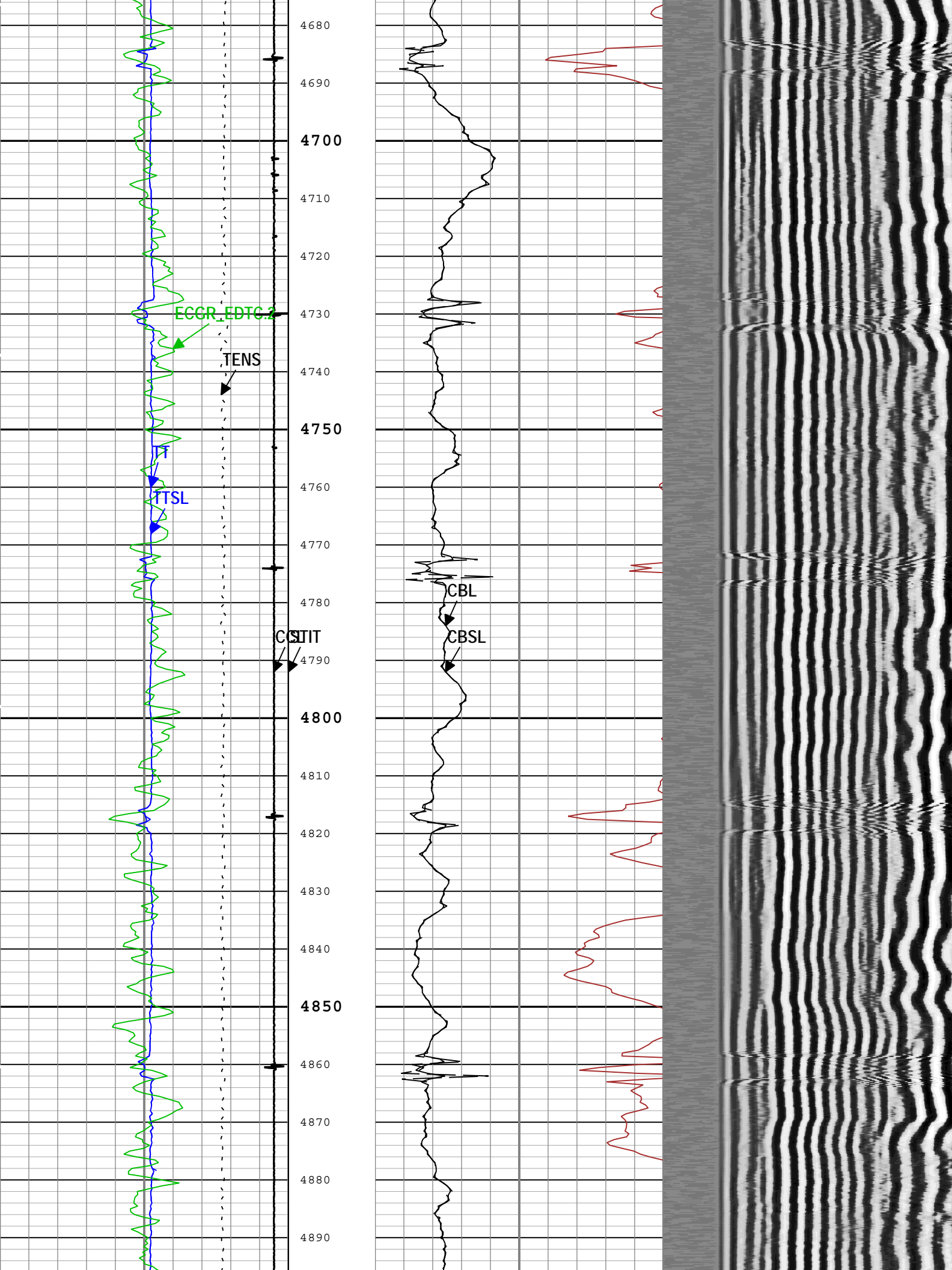


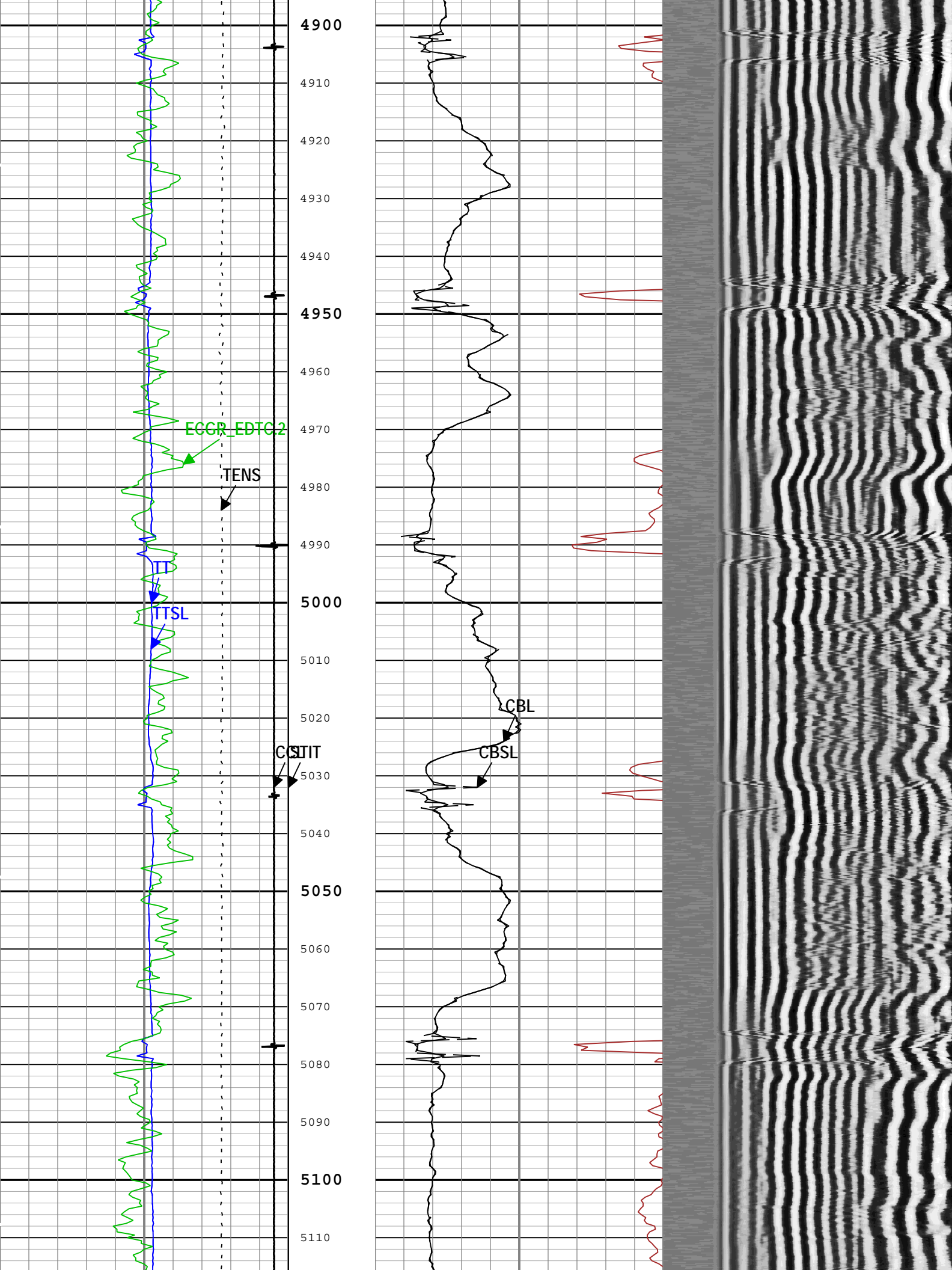


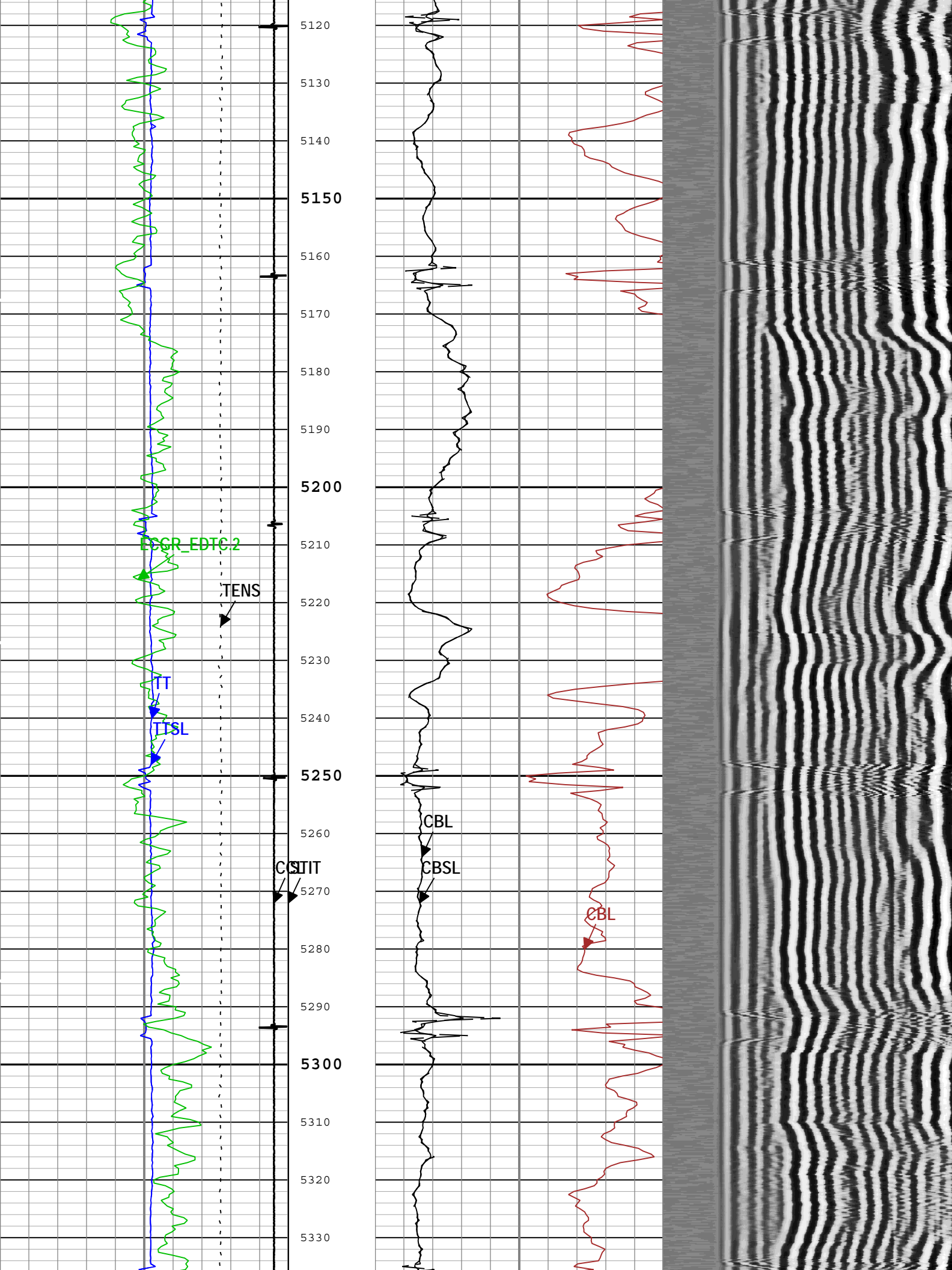


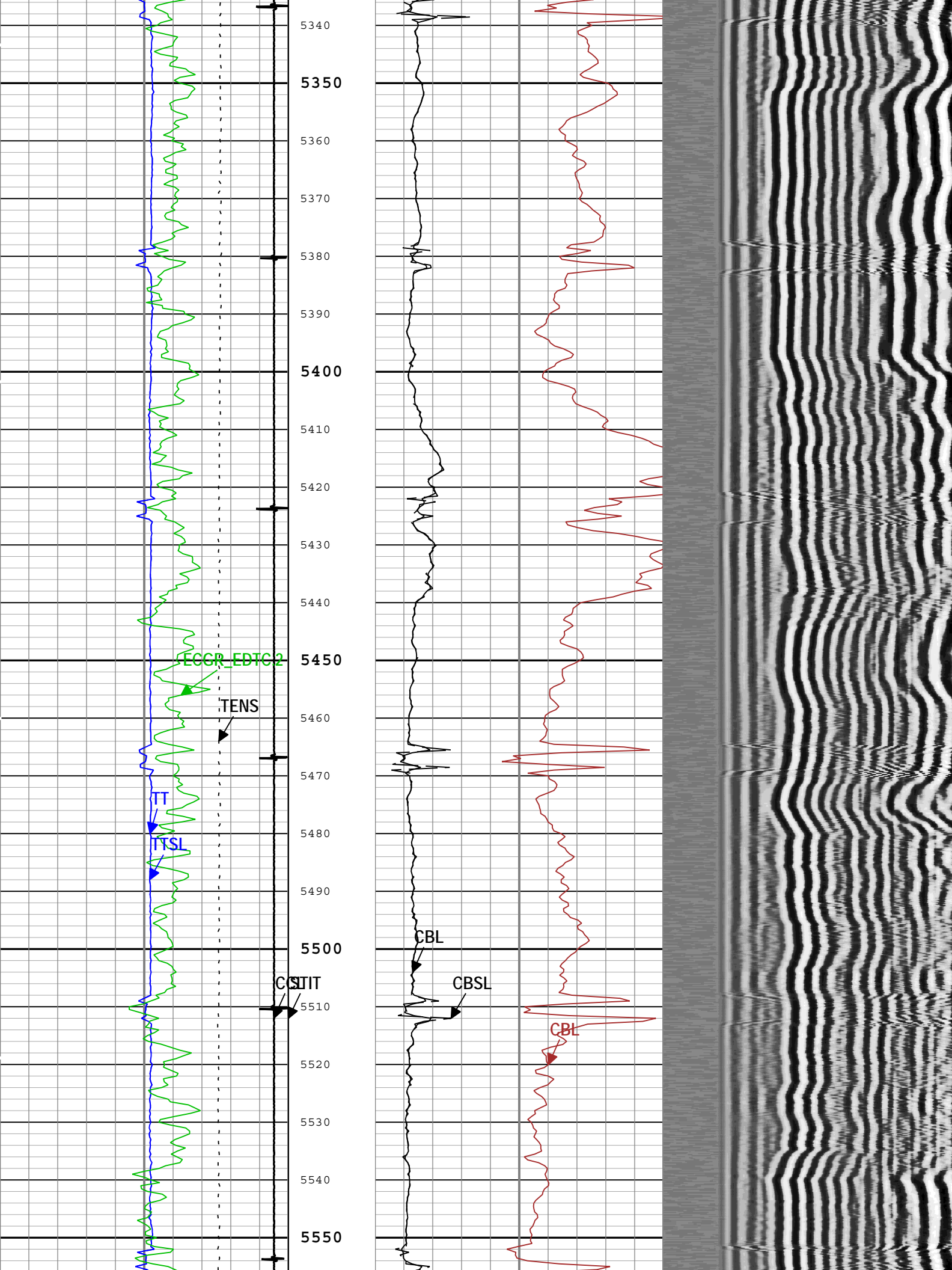


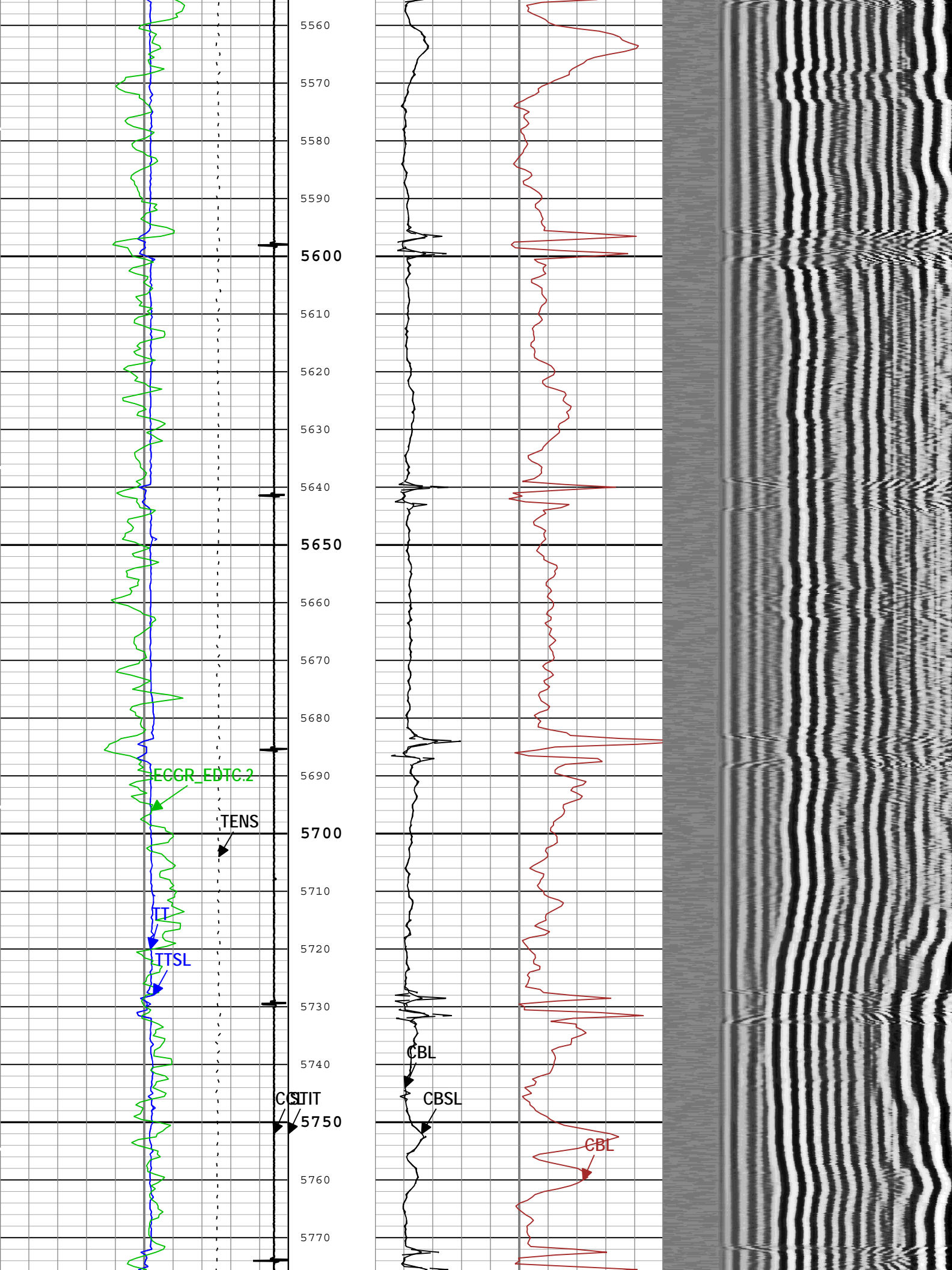


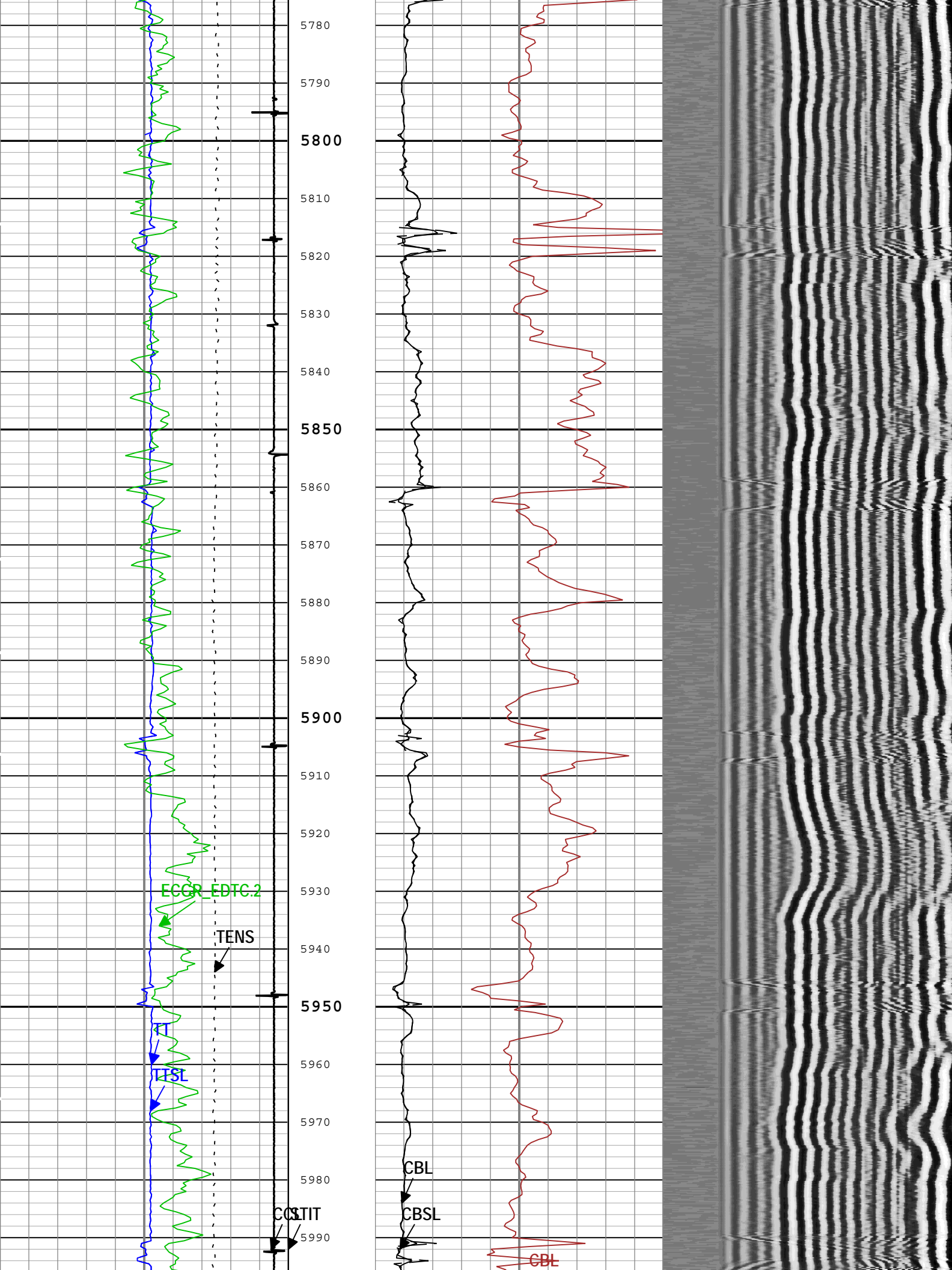


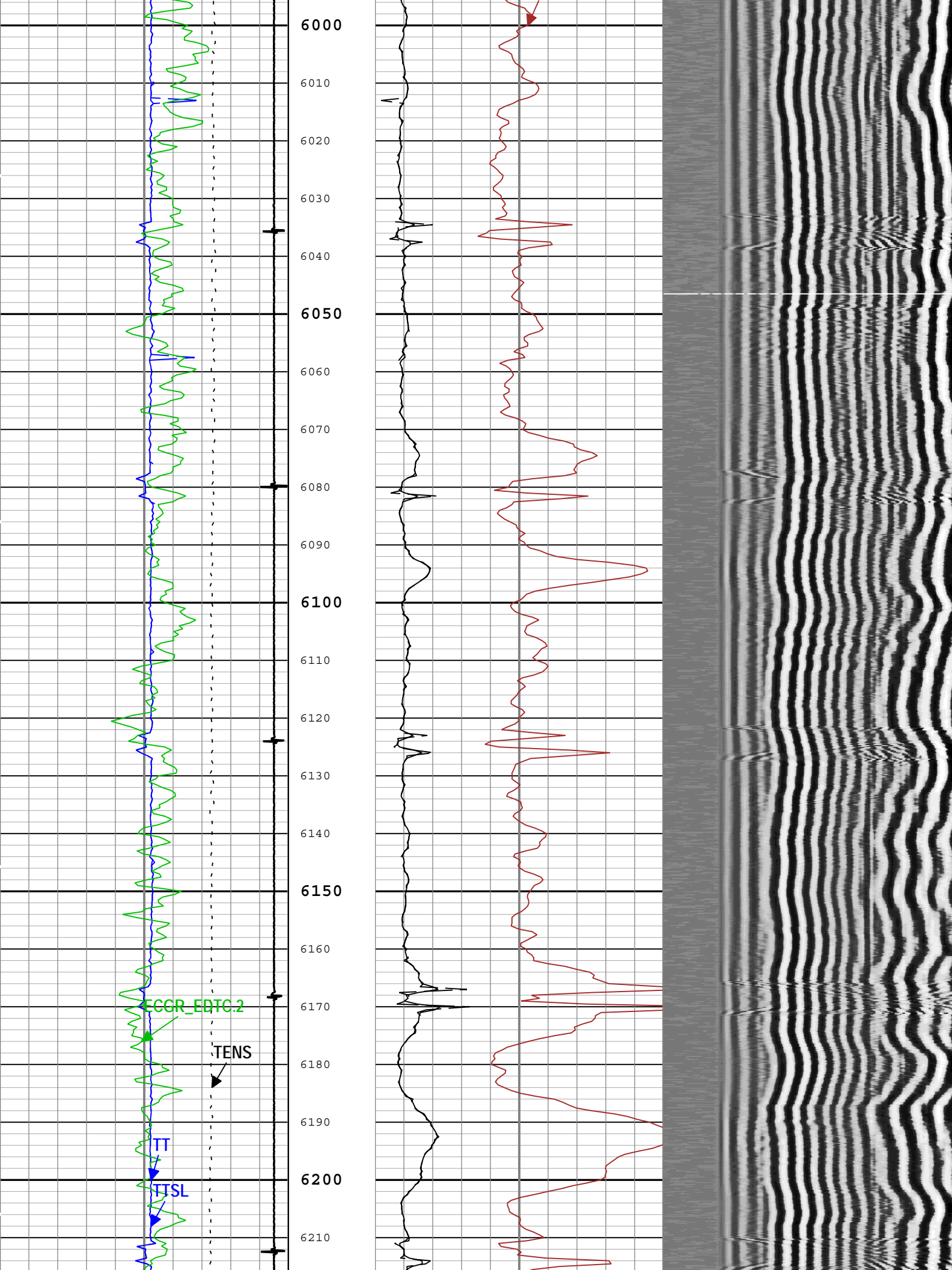


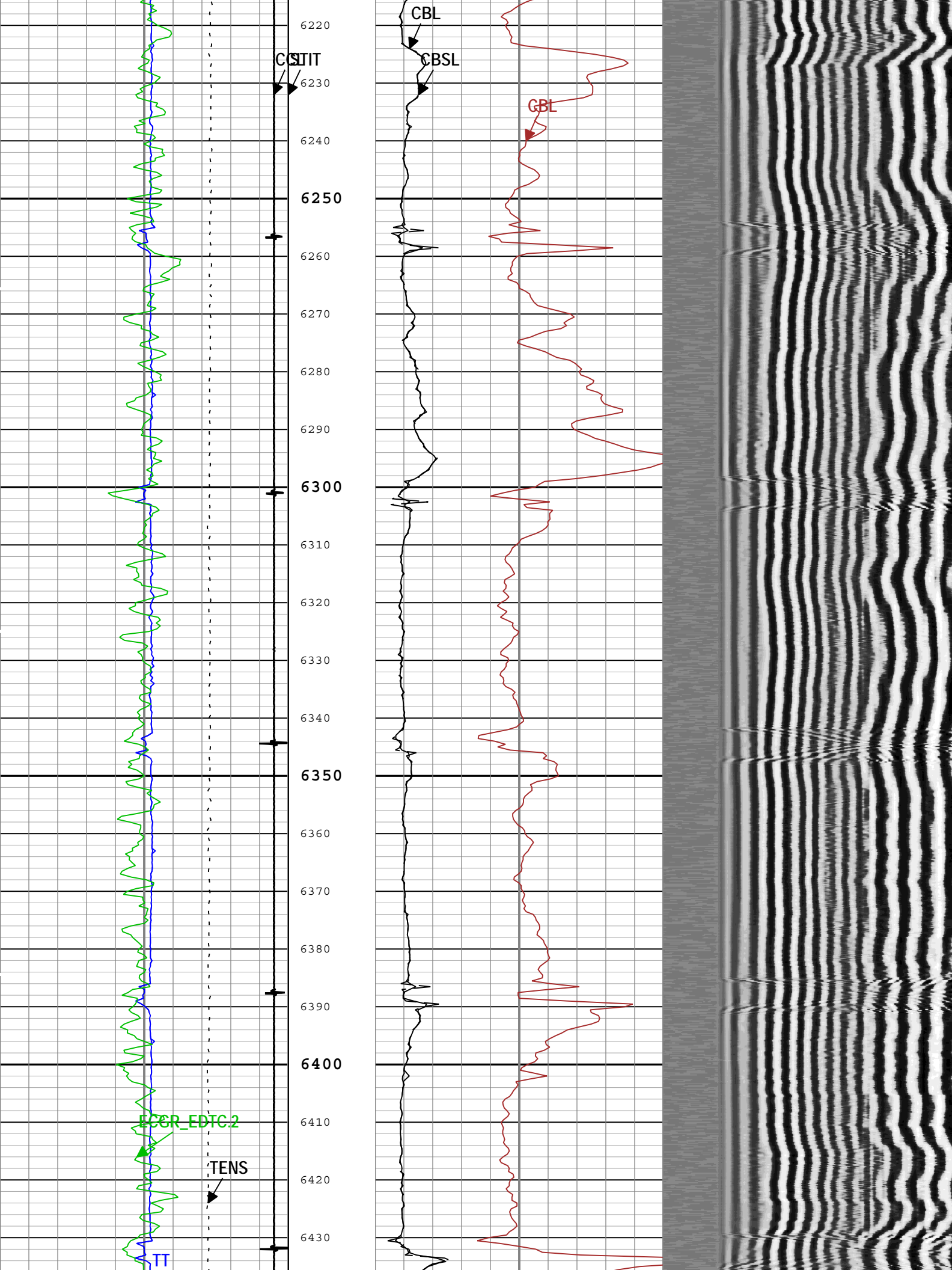


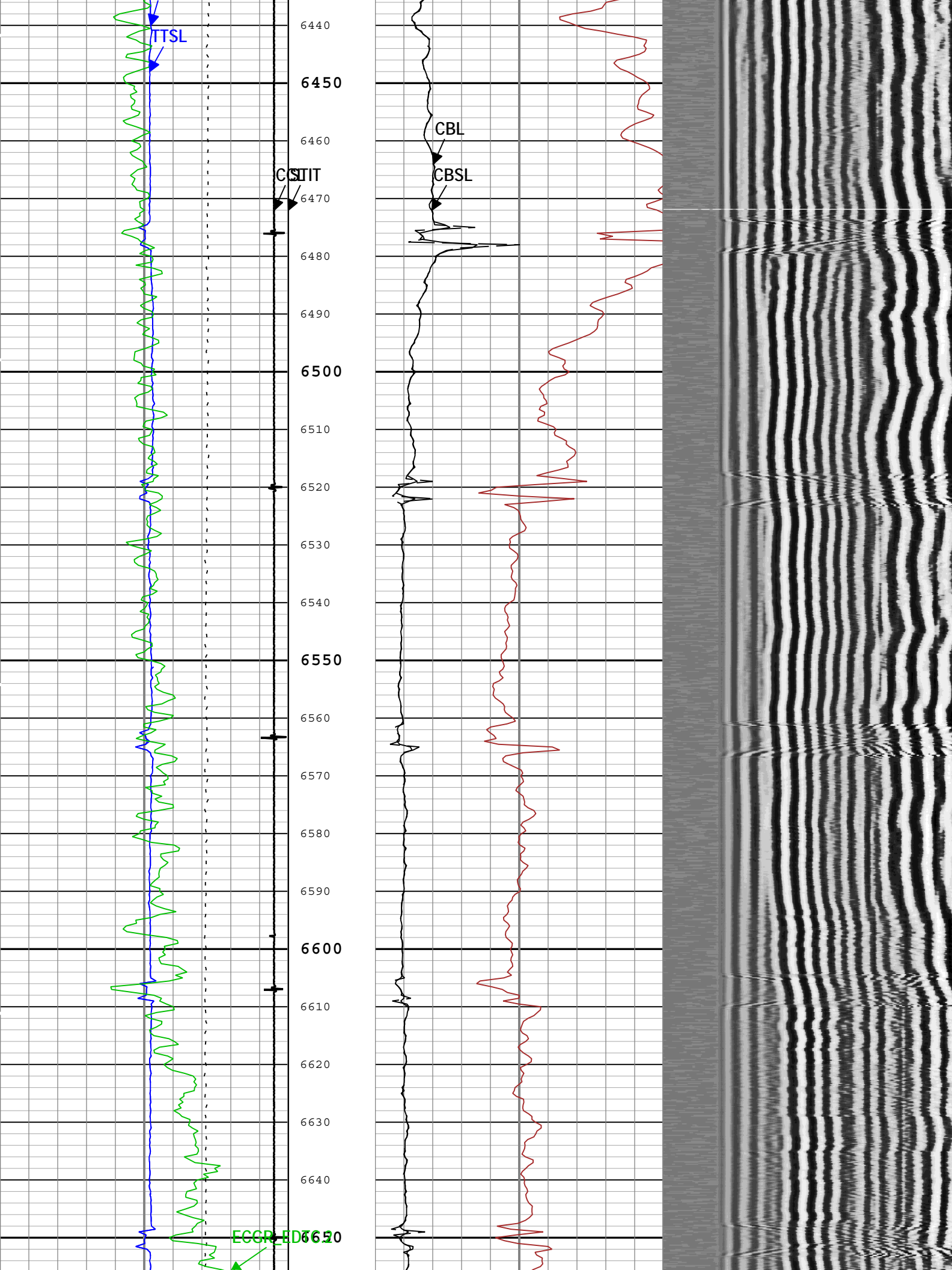


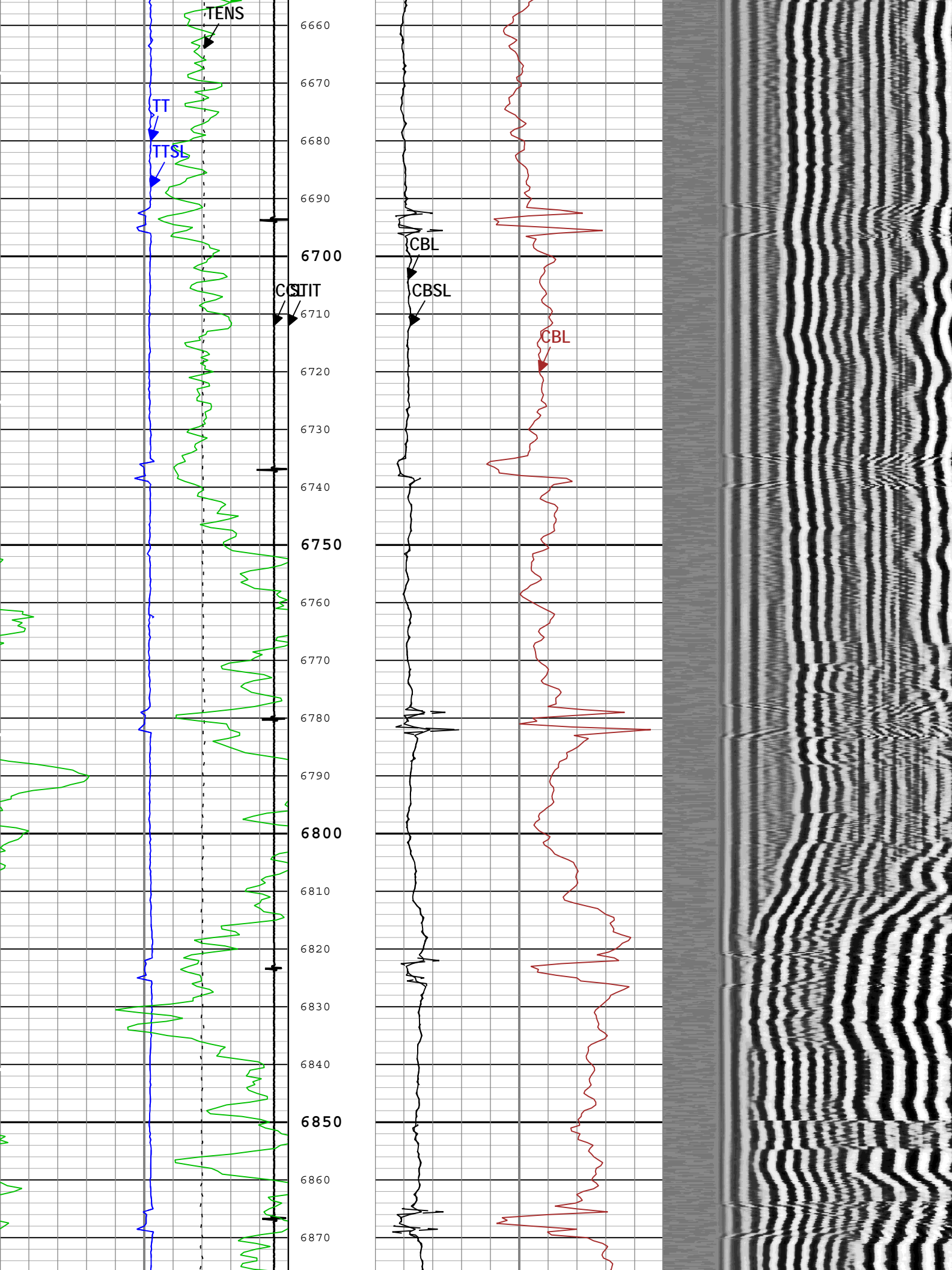


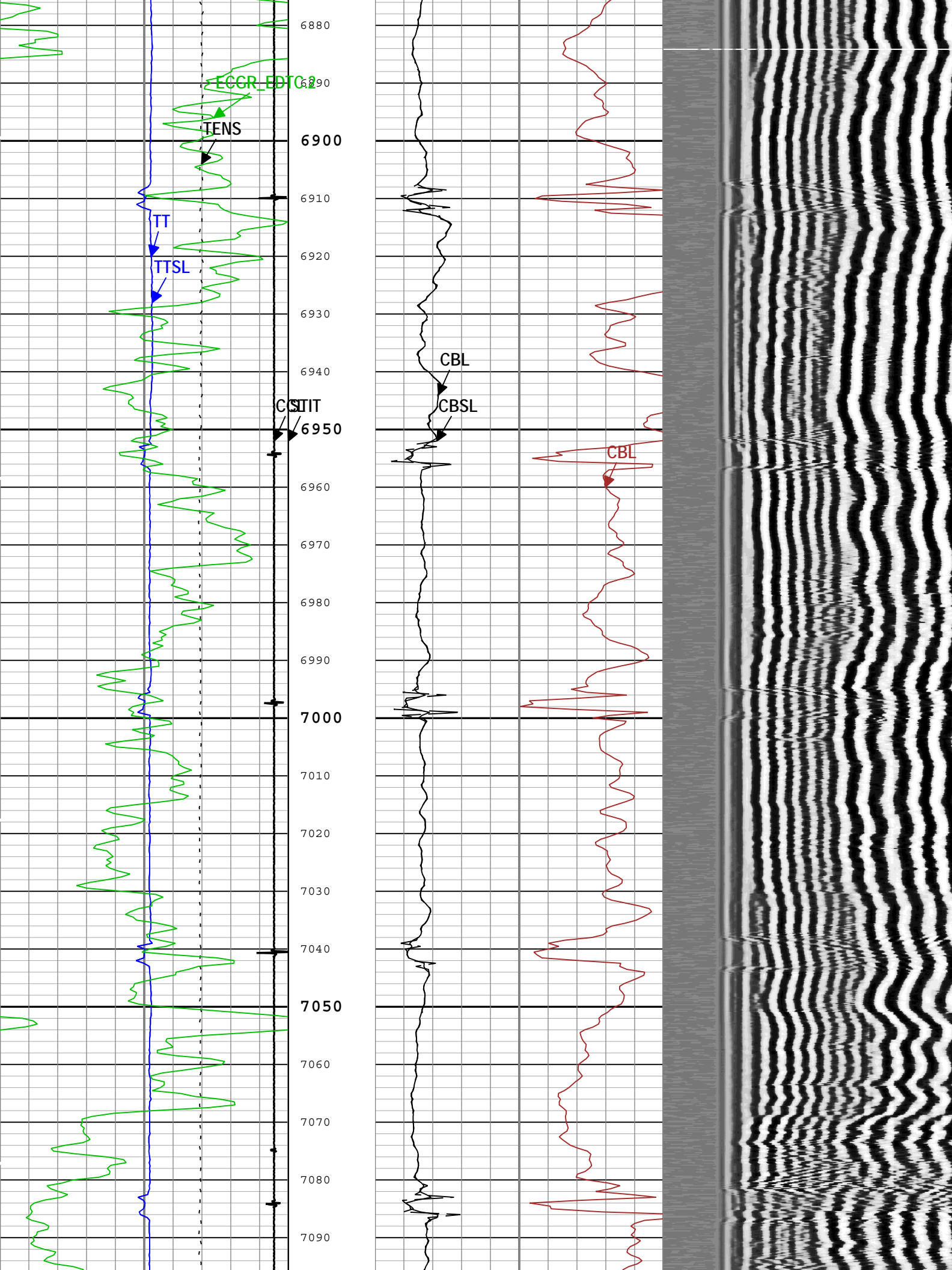


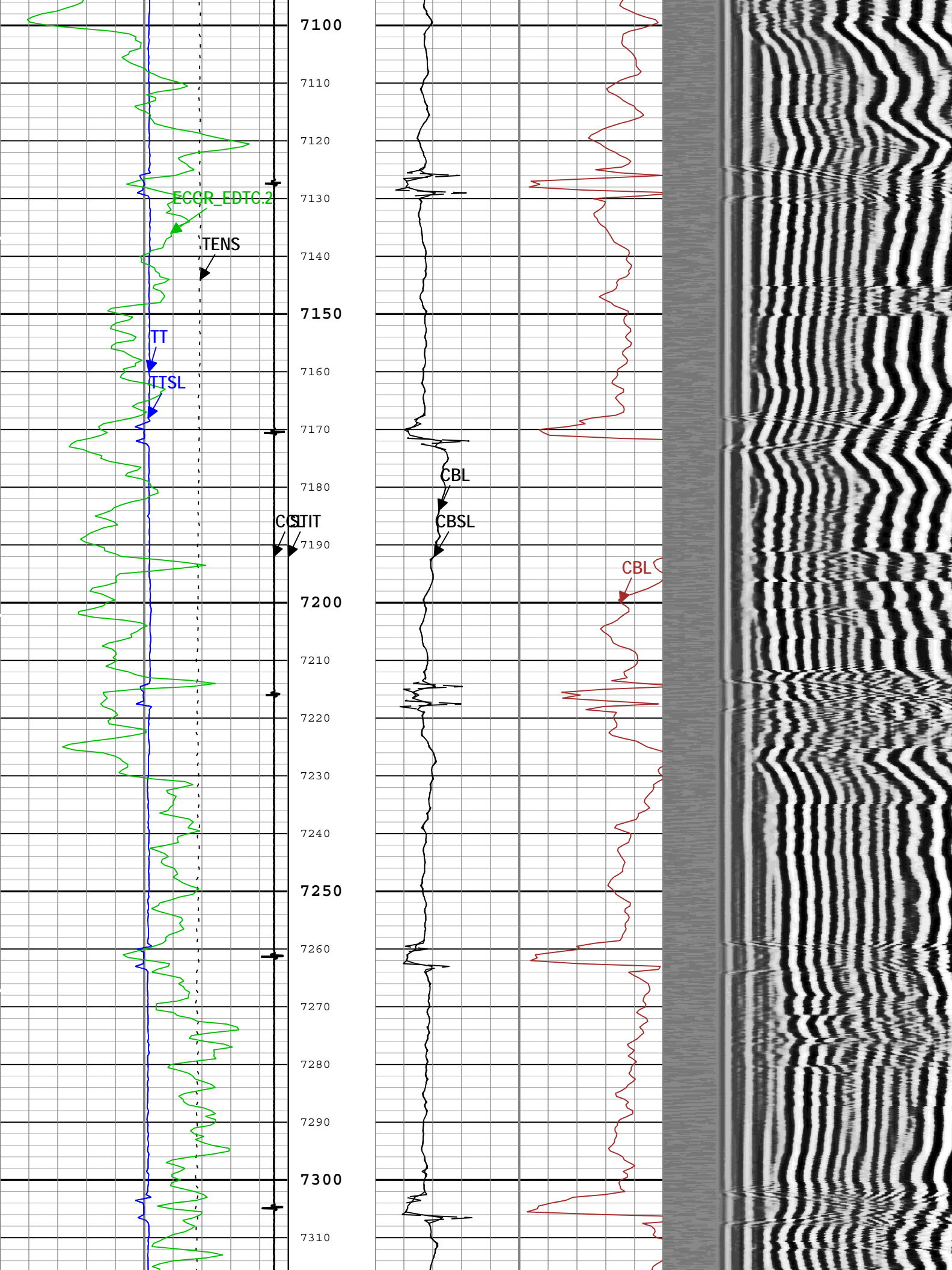


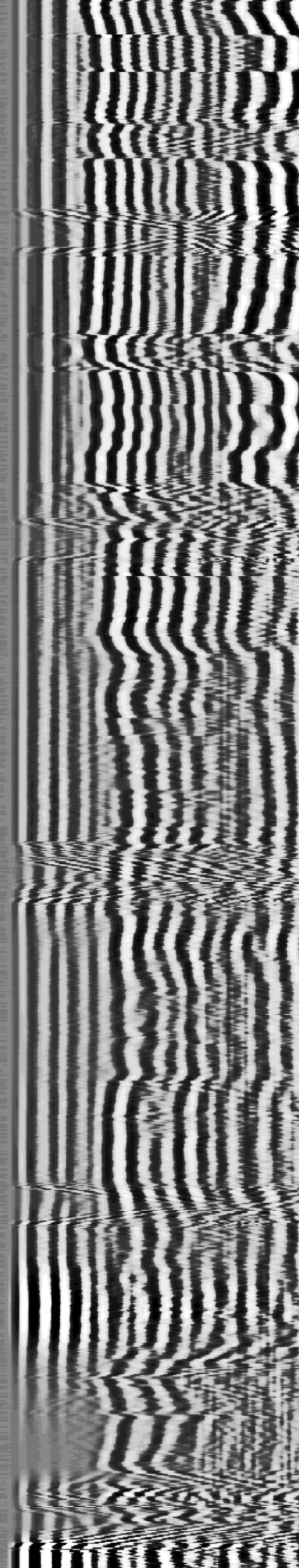
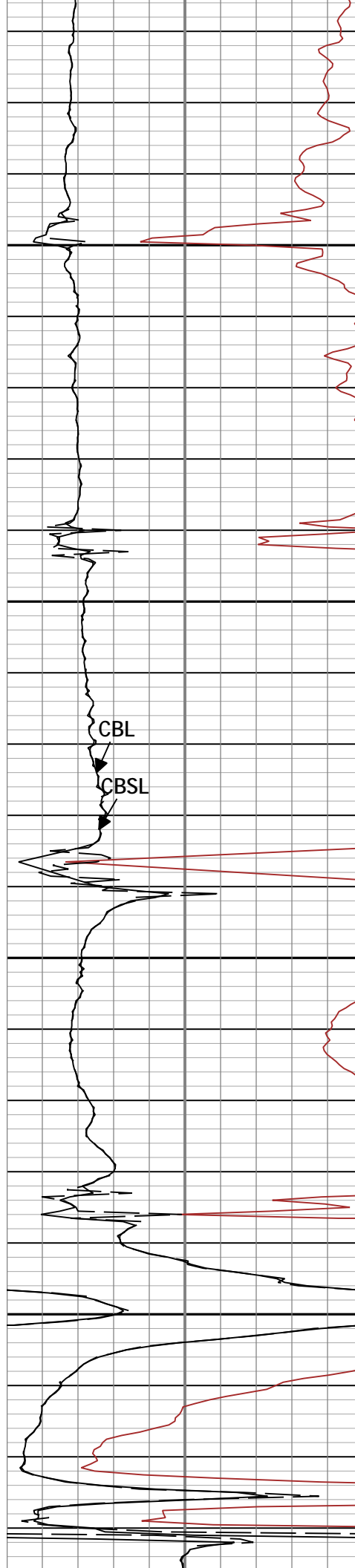
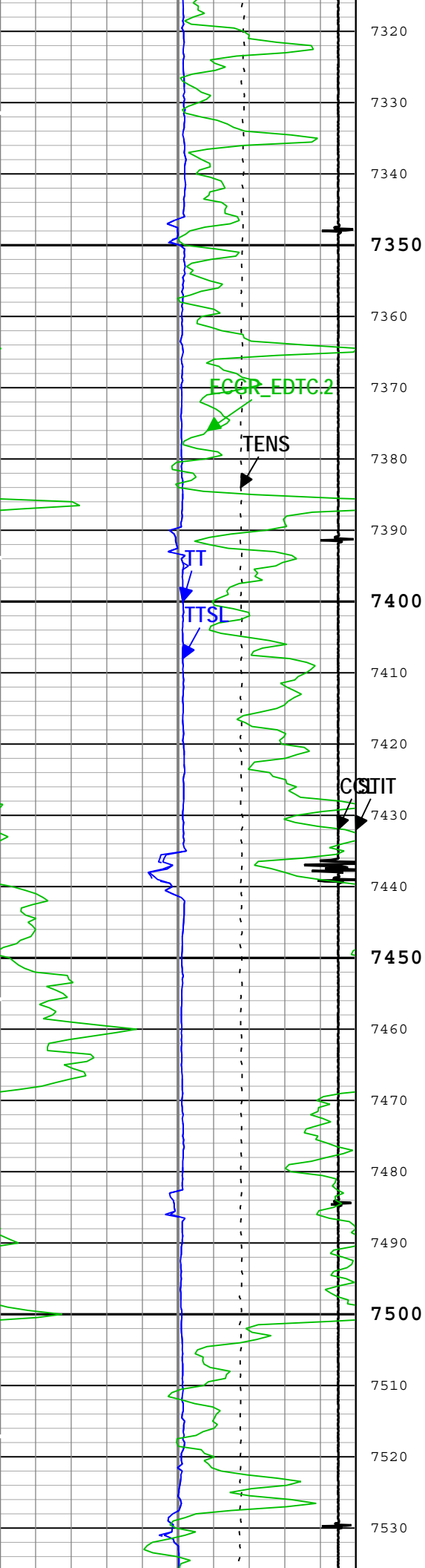


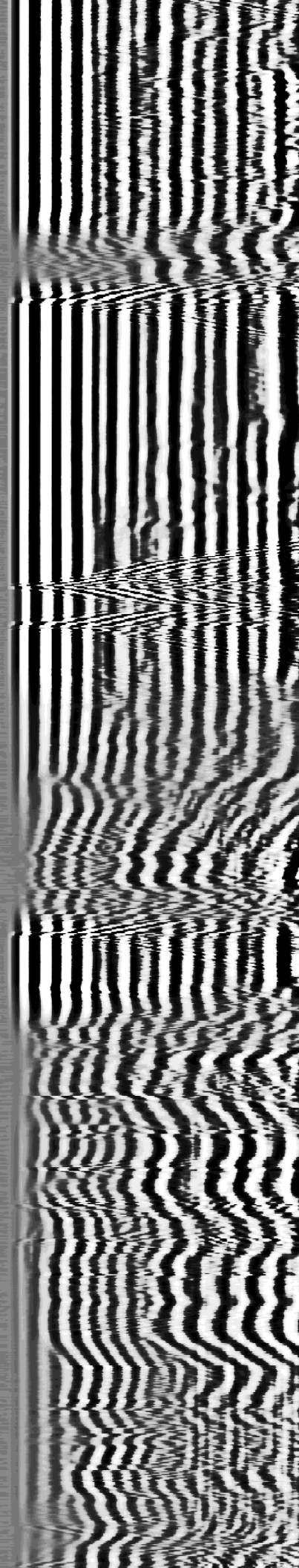
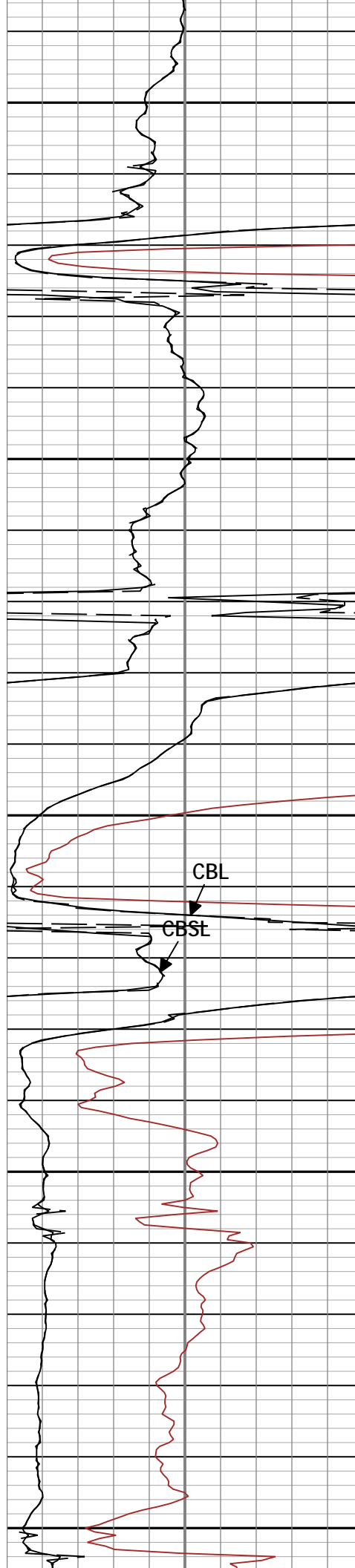
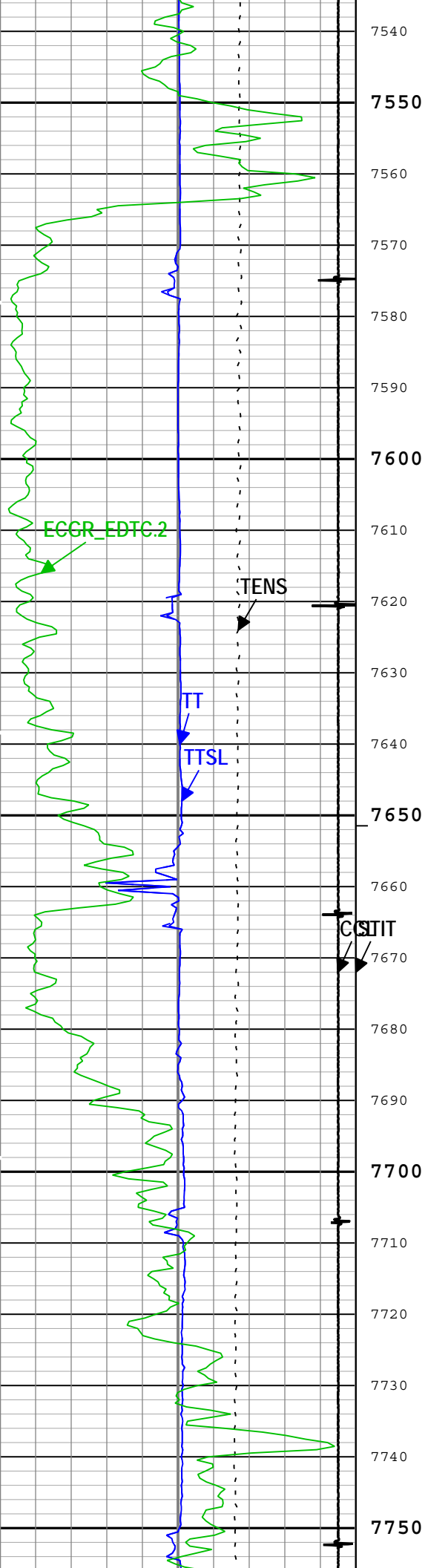


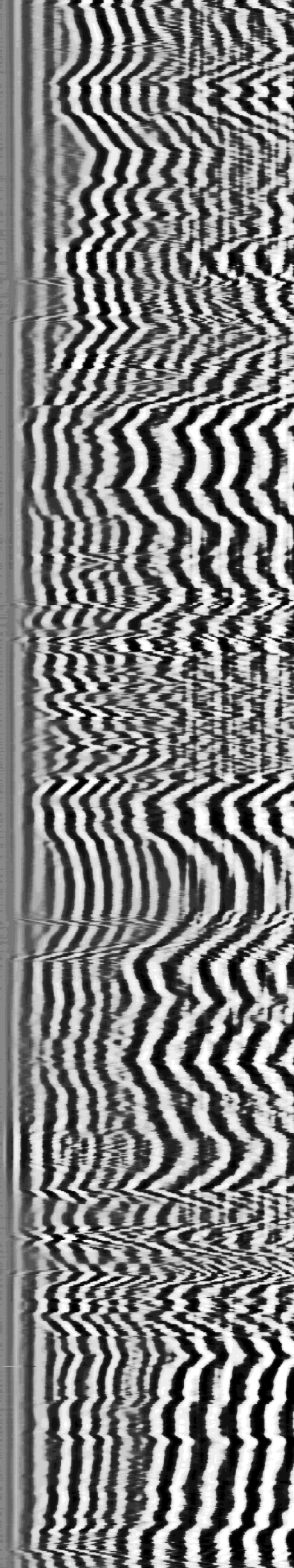
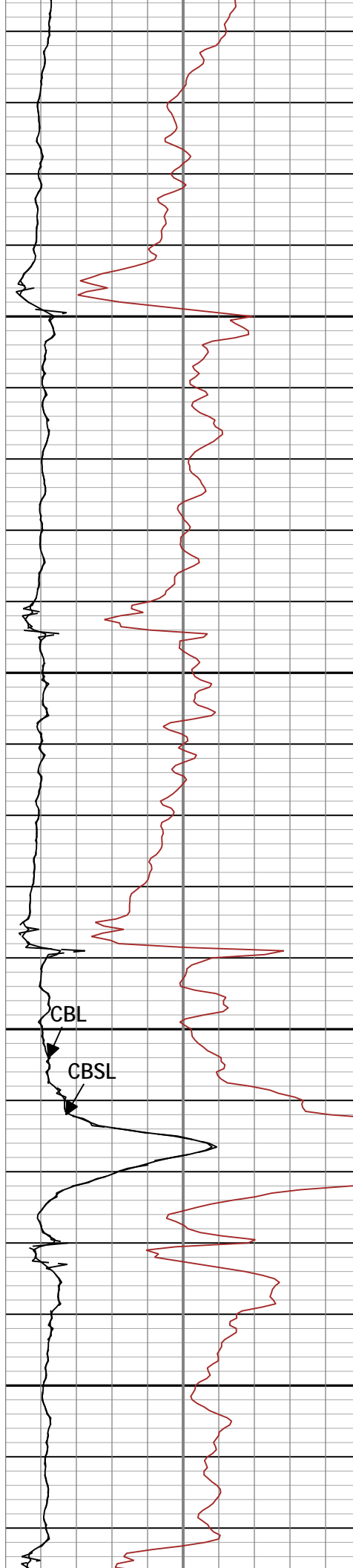
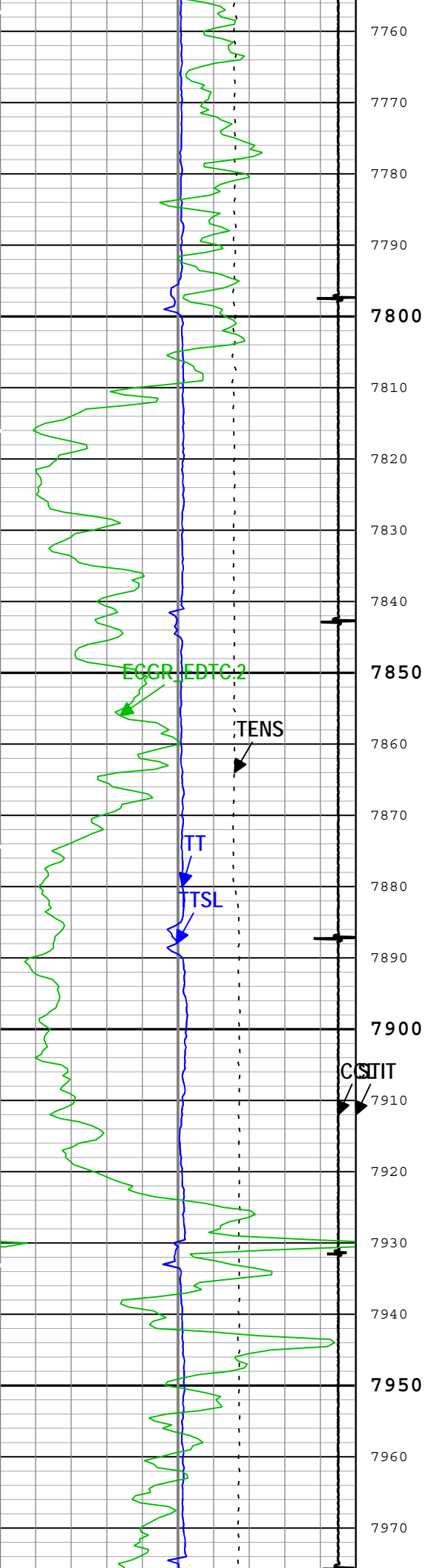


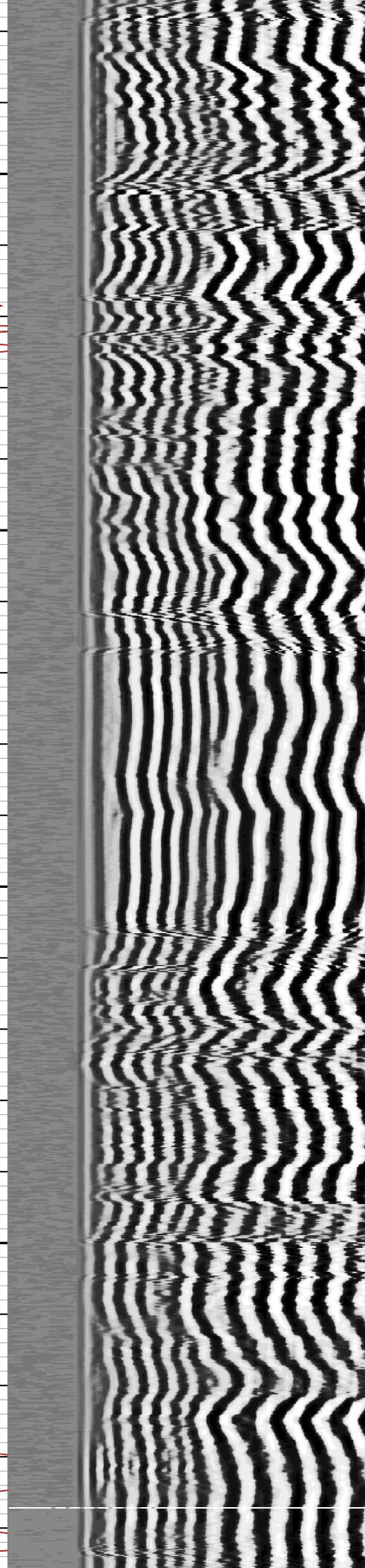
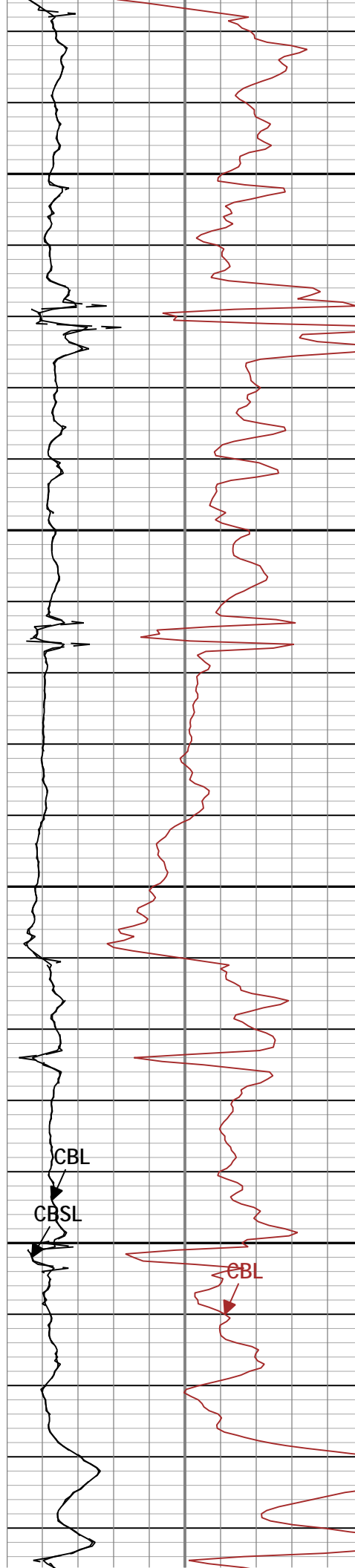
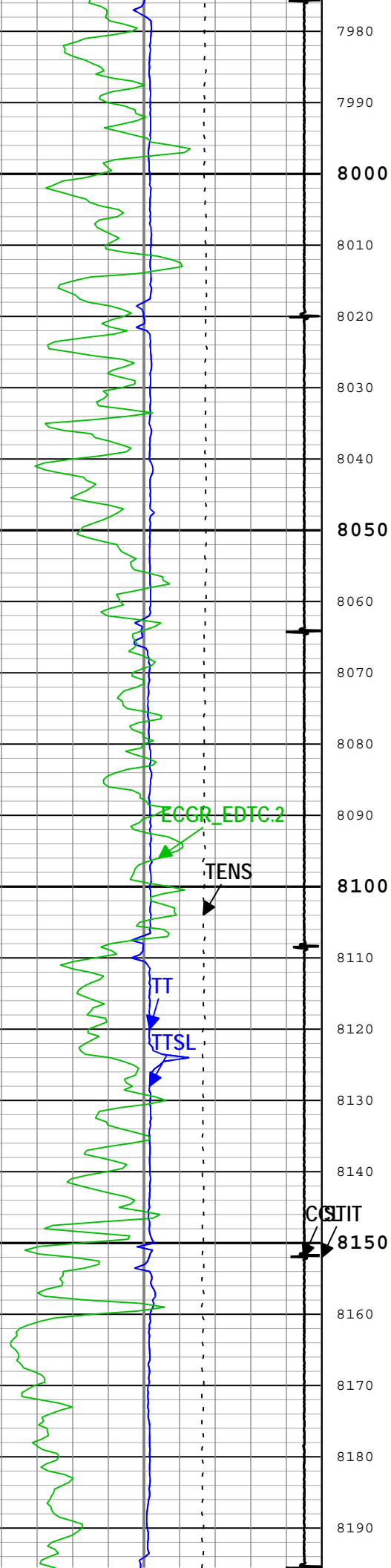


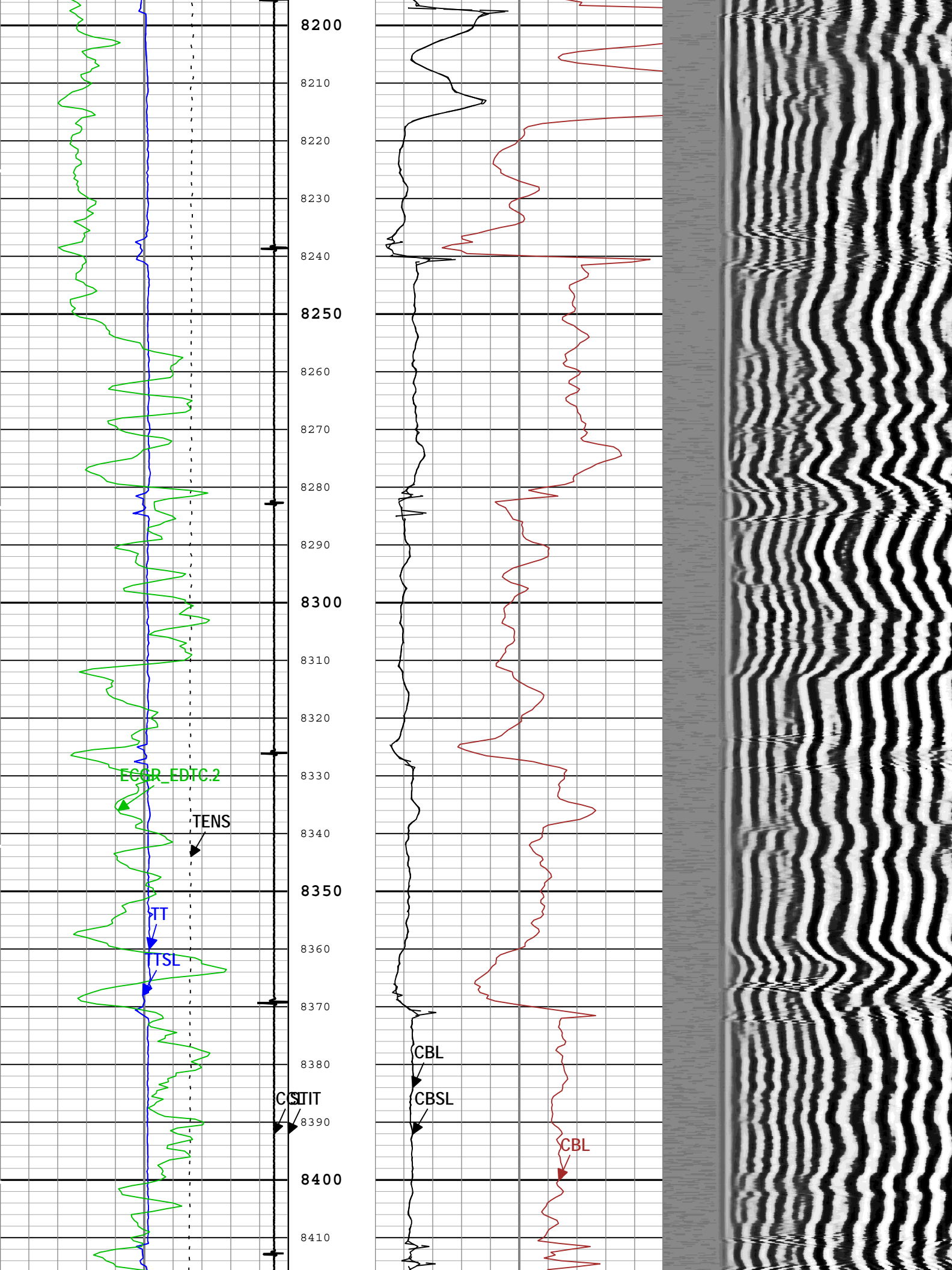


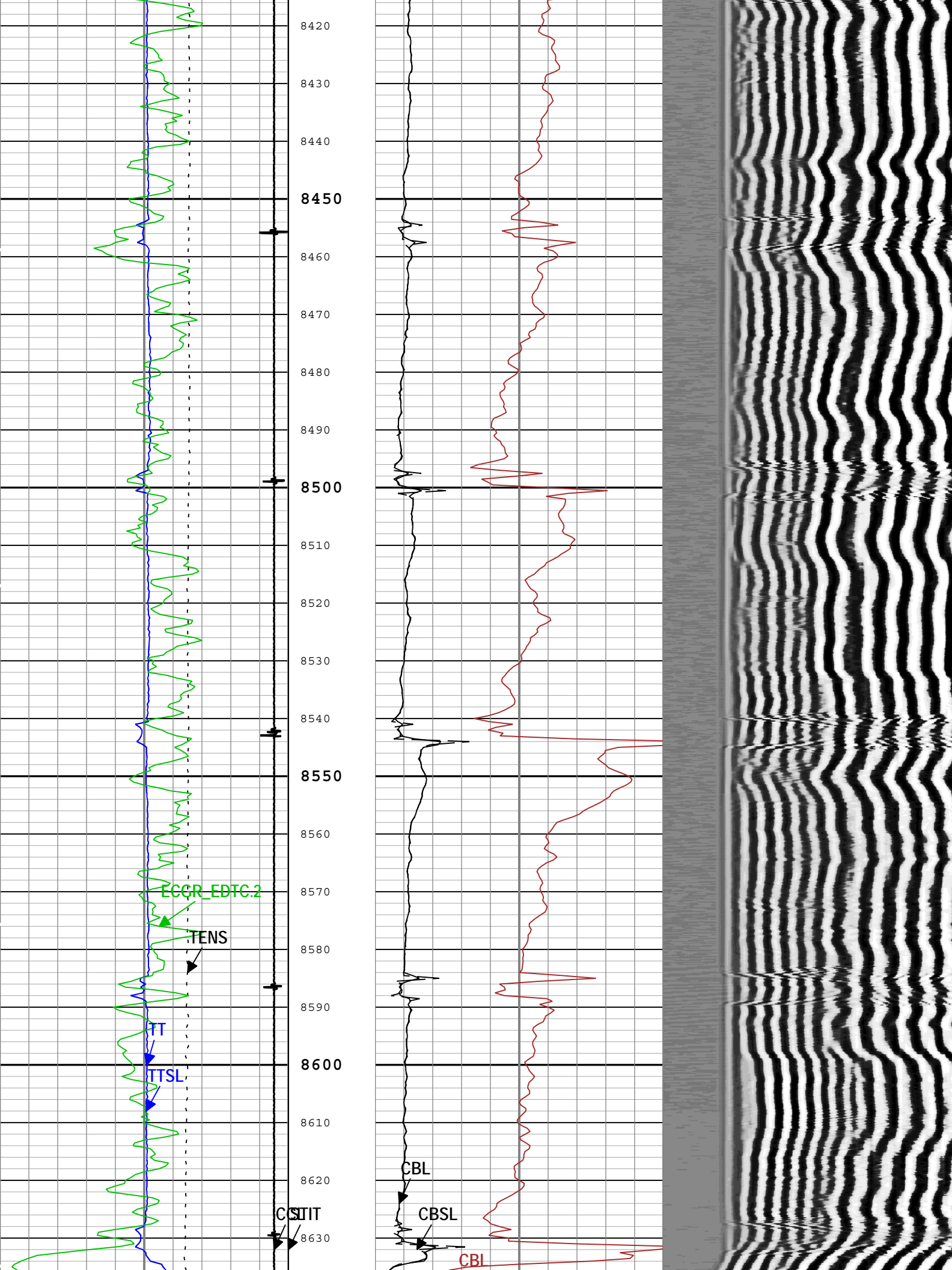


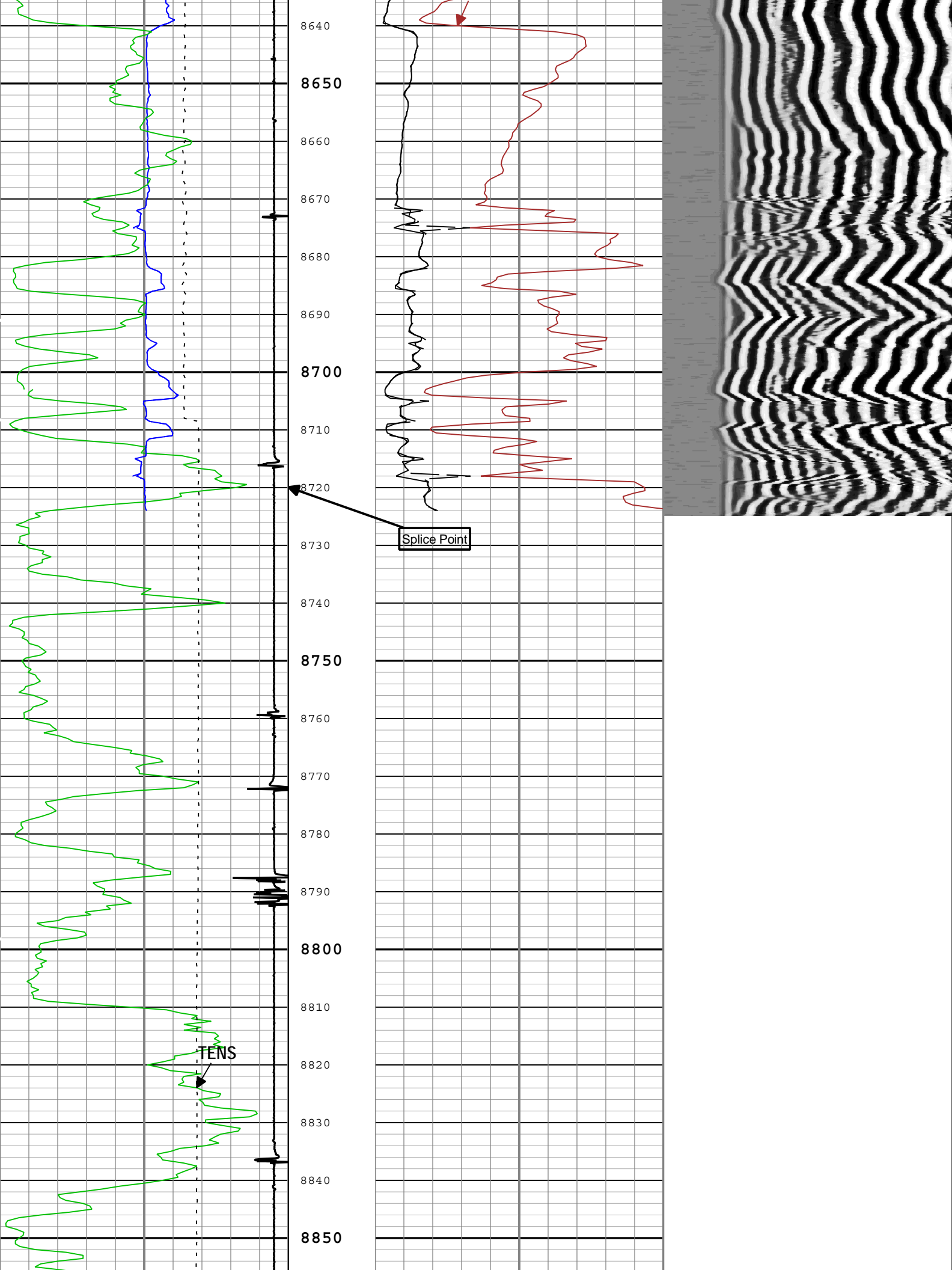


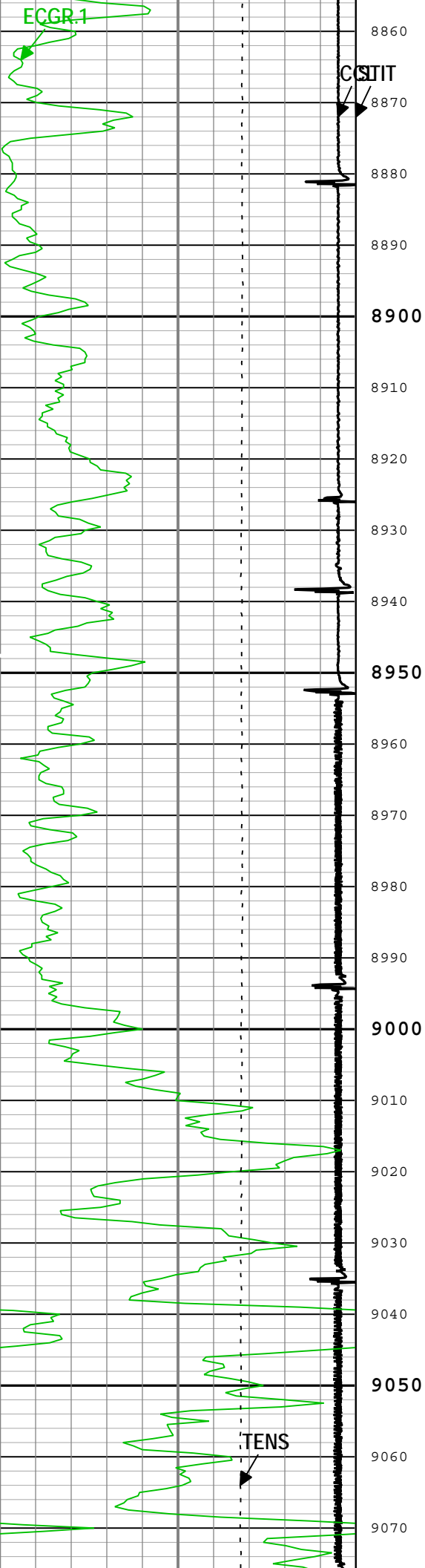


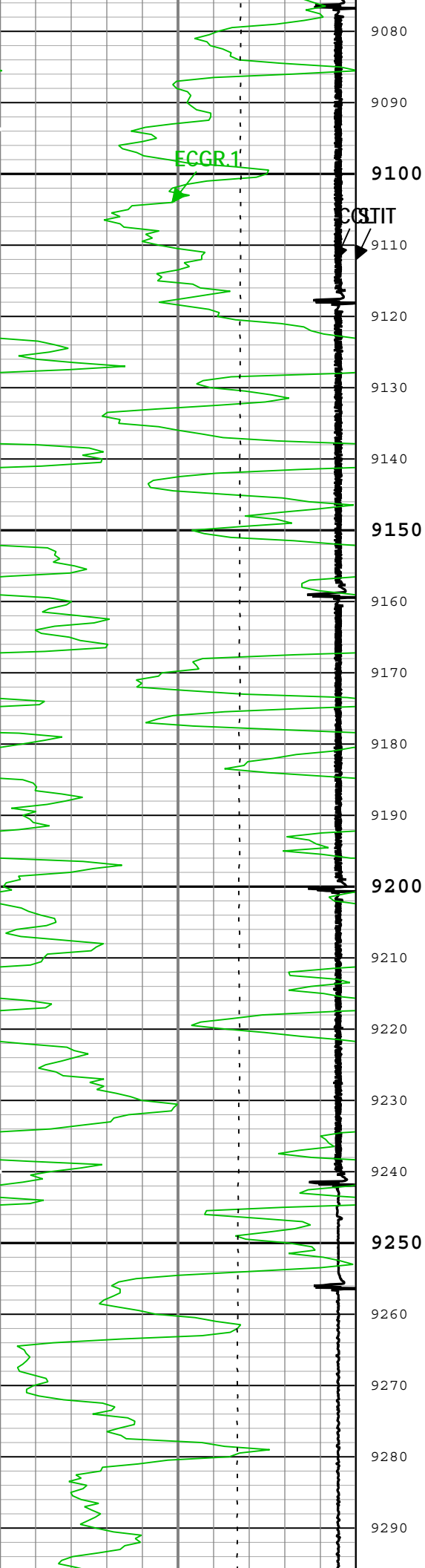


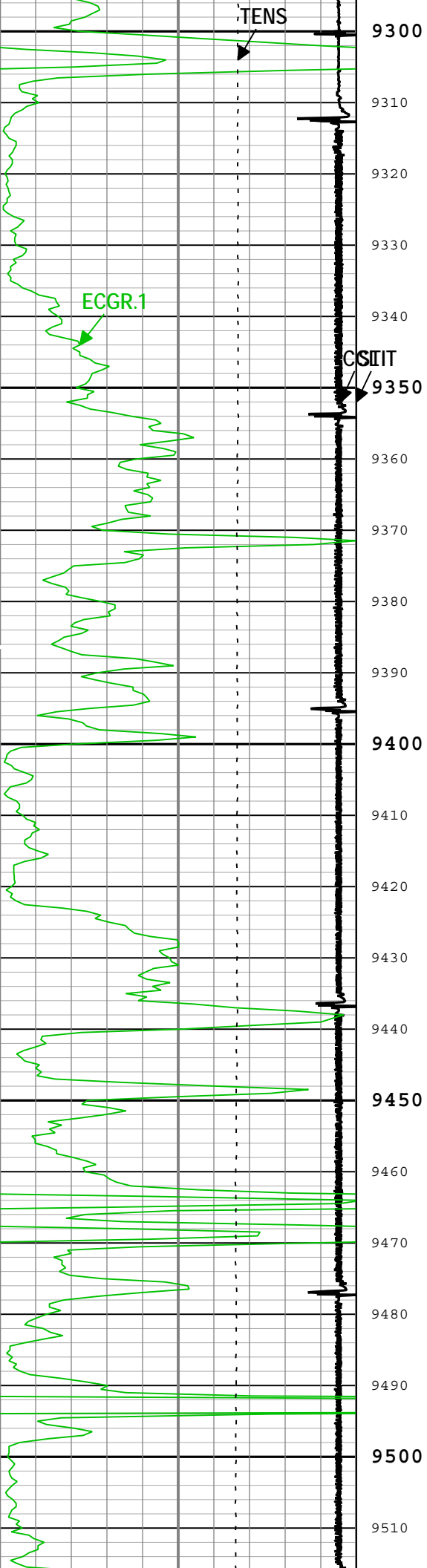


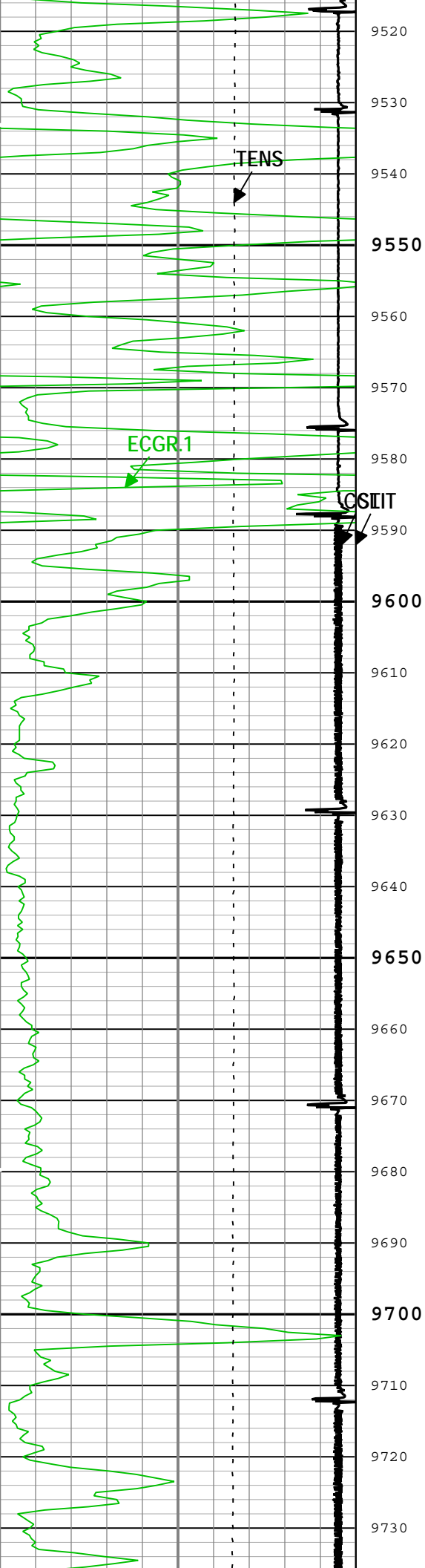


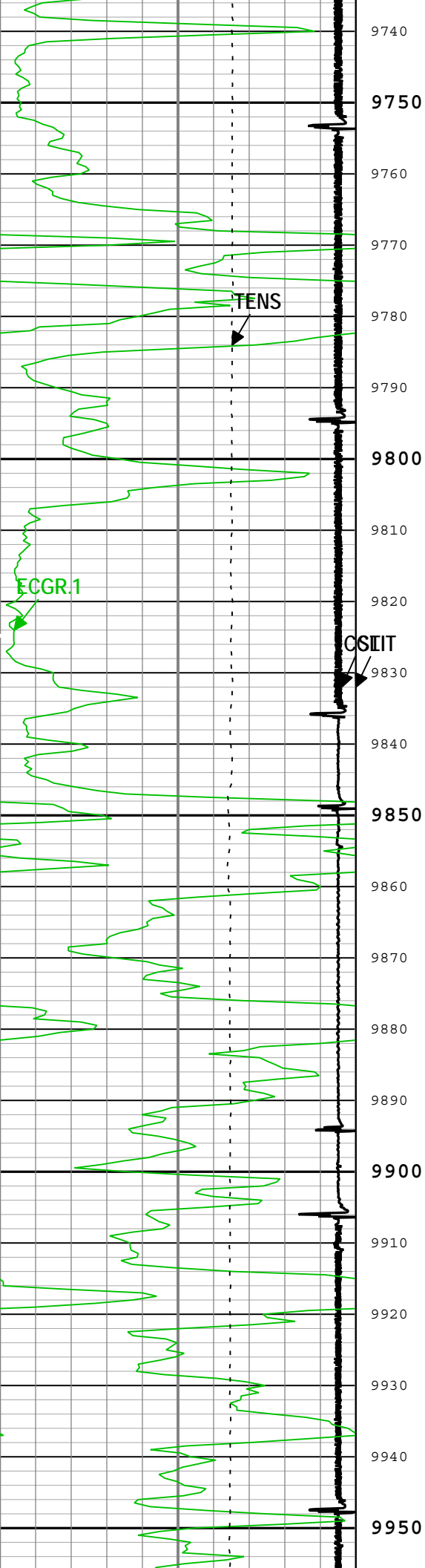


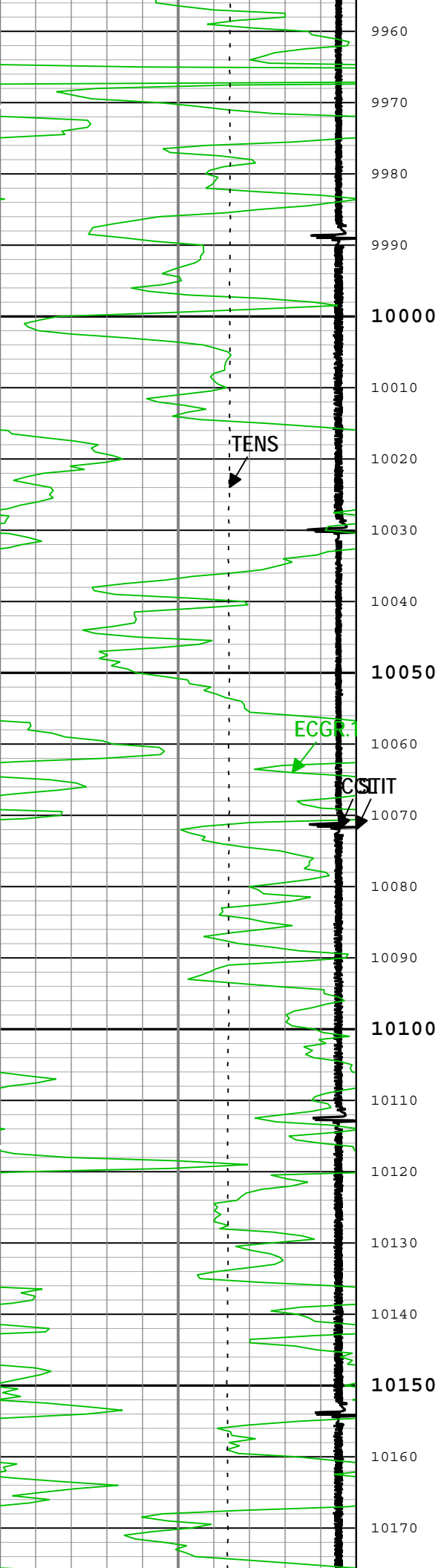


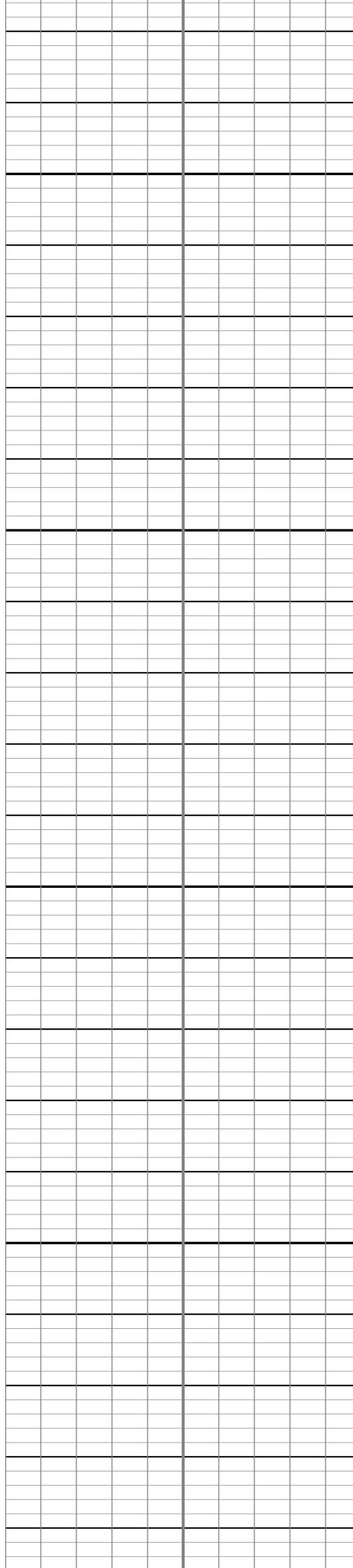
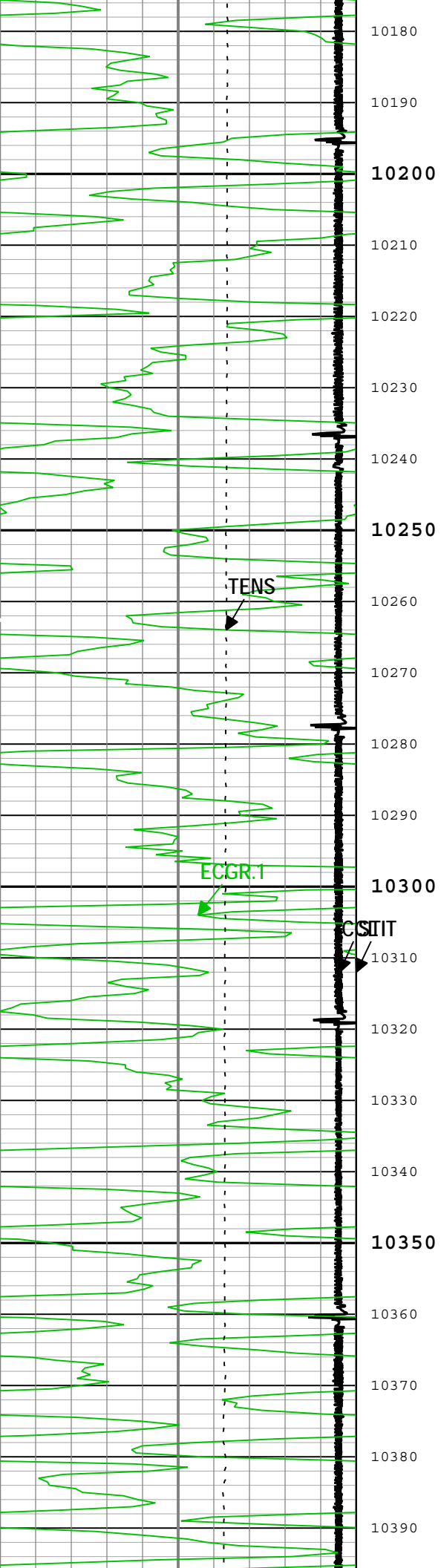


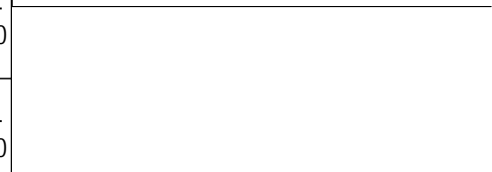
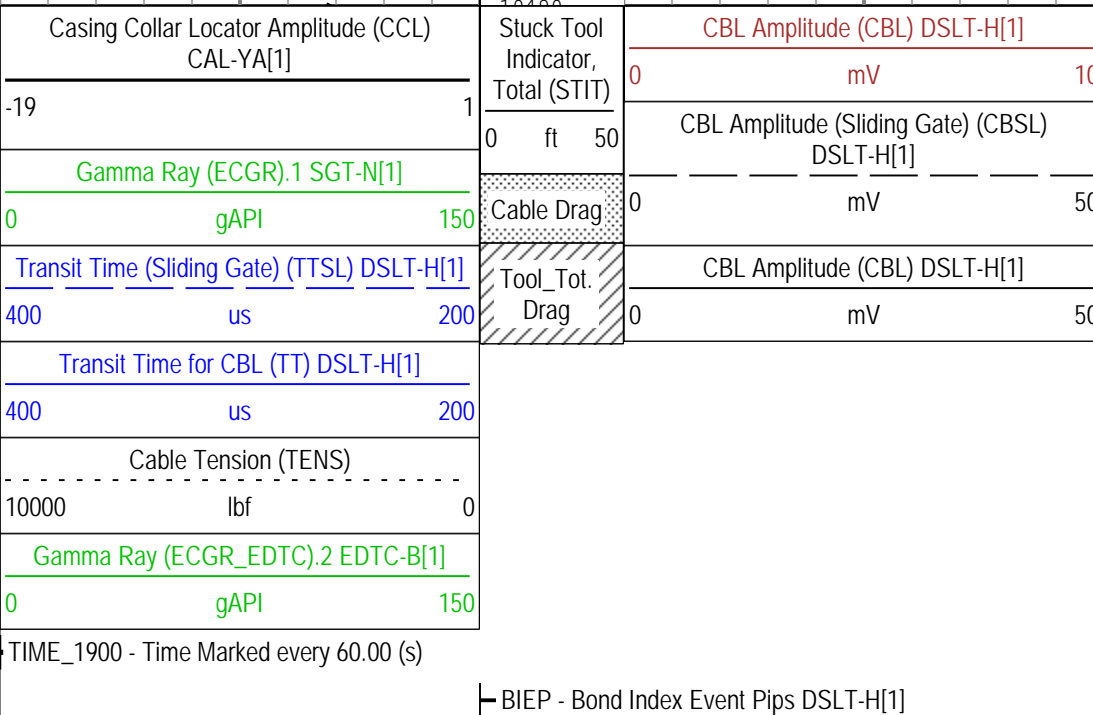








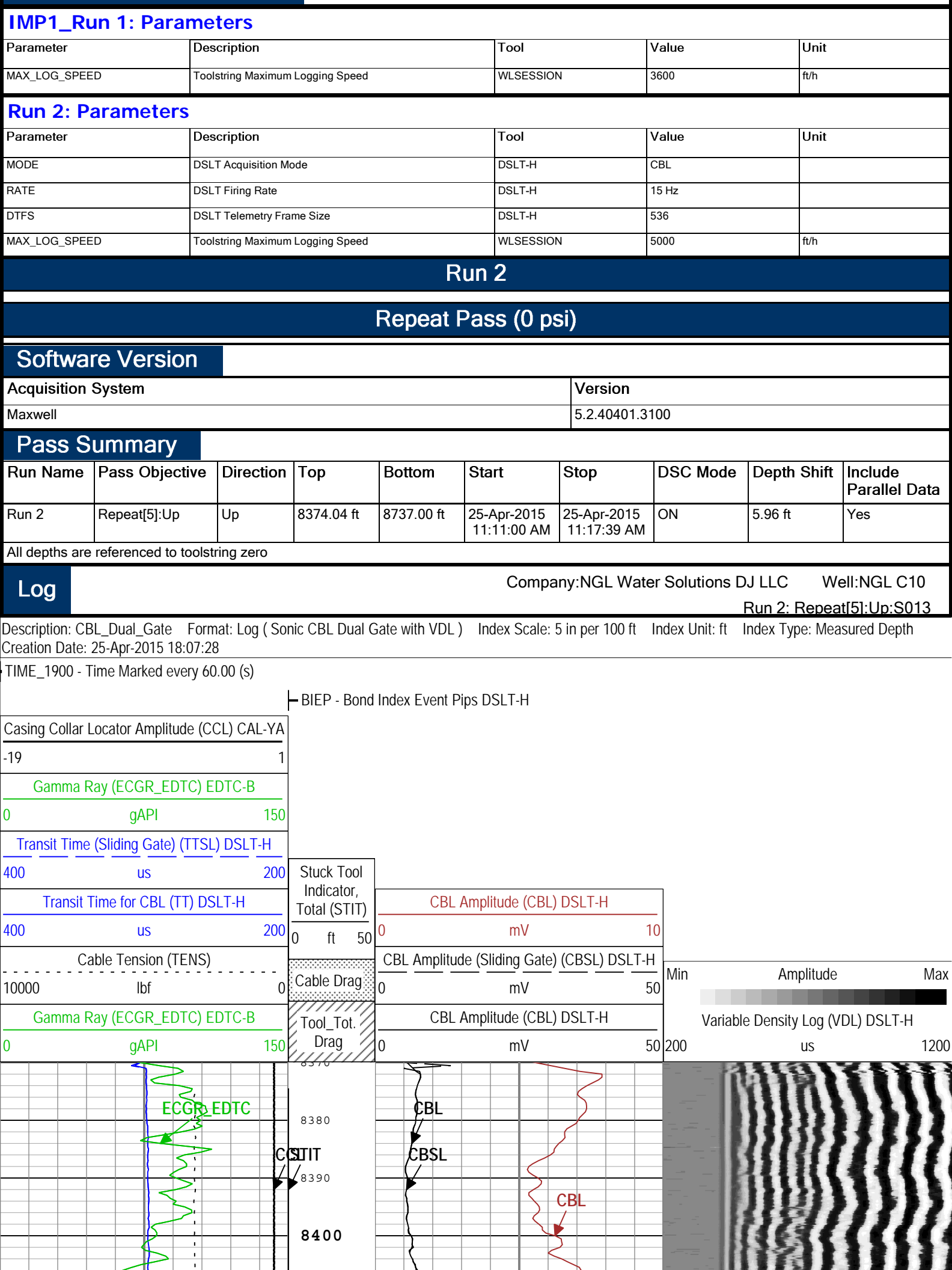


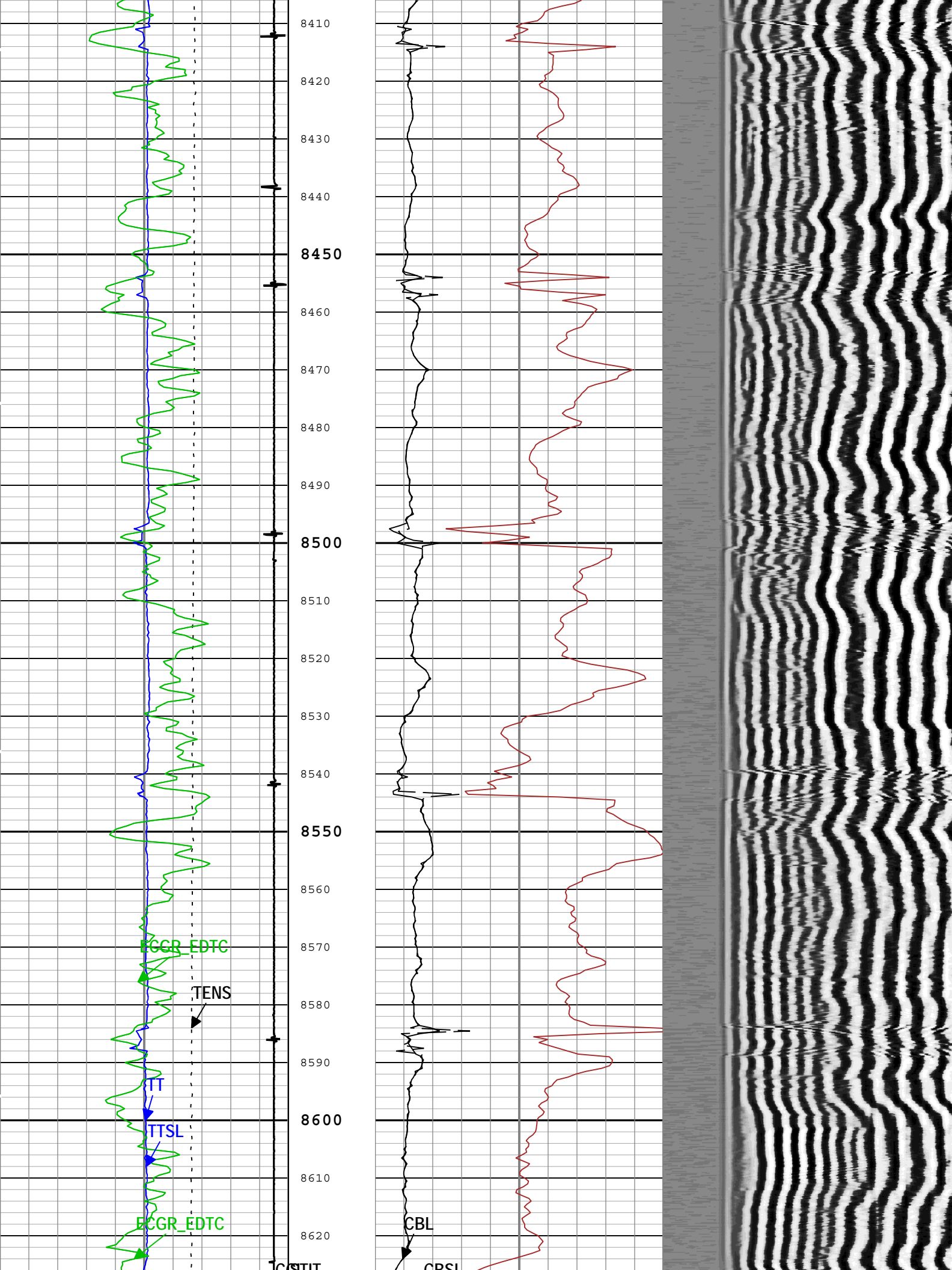


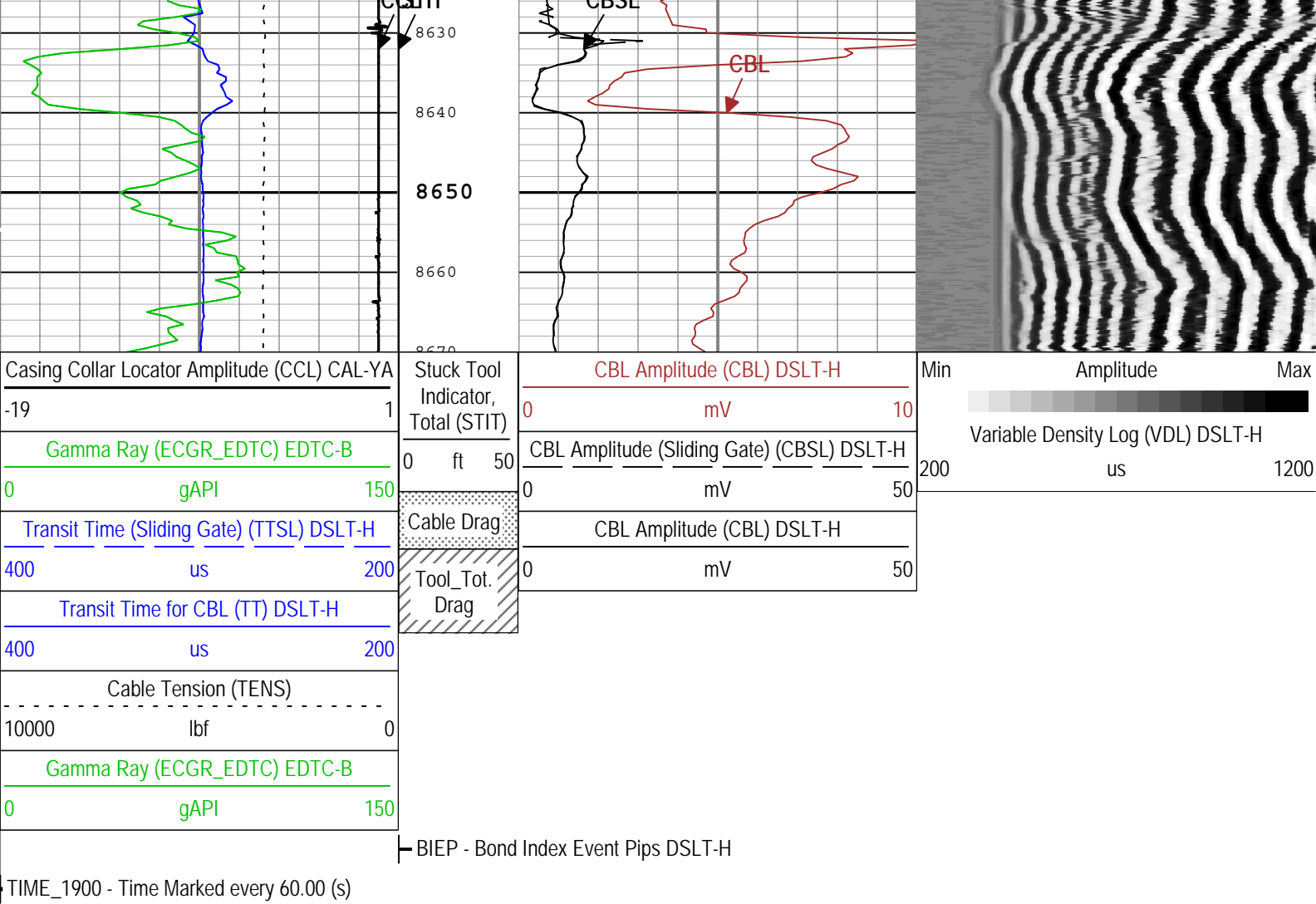
Channel Processing Parameters	
Channel ID	1
Channel Name	Channel 1
Channel Type	Channel 1
Channel Status	Channel 1
Channel Location	Channel 1
Channel Description	Channel 1
Channel Address	Channel 1
Channel Phone	Channel 1
Channel Email	Channel 1
Channel Website	Channel 1
Channel Social Media	Channel 1
Channel Notes	Channel 1

IMP1_Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
ISSBAR	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased	
BS	Bit Size	WLSESSION	Depth Zoned	in
CBLO	Casing Bottom (Logger)	WLSESSION	10482	ft
CCL_MULTIPLIER	Casing Collar Locator Multiplier	CAL-YA	3	
CDEN	Cement Density	SGT-N	2	g/cm3

DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal	
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS		
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS		
TD	Total Measured Depth	Borehole	10484	ft	
TPOS	Tool Position: Centered or Eccentered	SGT-N	Centered		
IMP1_Run 1Depth Zoned Parameters					
Parameter	Value	Start (ft)	Stop (ft)		
BS	8.75	29.5	8859		
BS	6.125	8859	10482		
All depth are actual.					
Run 2: Parameters					
Parameter	Description	Tool	Value	Unit	
AMSG	Auxiliary Minimum Sliding Gate	DSLTH	228	us	
ISSBAR	Barite Mud Presence Flag	Borehole	No		
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased		
BS	Bit Size	WLSESSION	8.75	in	
CBLO	Casing Bottom (Logger)	WLSESSION	10482	ft	
CBRA	CBL LQC Reference Amplitude in Free Pipe	DSLTH	62	mV	
CCL_MULTIPLIER	Casing Collar Locator Multiplier	CAL-YA	3		
CDEN	Cement Density	EDTC-B	2	g/cm3	
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time		
DETE	Delta-T Detection	DSLTH	E1		
DFD	Drilling Fluid Density	Borehole	8.7	lbm/gal	
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS		
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS		
GOBO_CURR	Good Bond in Arbitrary Cement	DSLTH	2.87	mV	
MAHTR	Manual High Threshold Reference for first arrival detection	DSLTH	120		
MATT_CURR	Maximum Attenuation in Arbitrary Cement	DSLTH	11.82	dB/ft	
MCI	Minimum Cemented Interval for Isolation	DSLTH	10	ft	
MNHTR	Minimum High Threshold Reference for first arrival detection	DSLTH	Time Zoned		
MSA	Minimum Sonic Amplitude	DSLTH	1.33	mV	
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	DSLTH	1.33	mV	
NMSG	Near Minimum Sliding Gate	DSLTH	273	us	
SGAD	Sliding Gate Status	DSLTH	Off		
SGDT	Sliding Gate Delta-T	DSLTH	54	us/ft	
TD	Total Measured Depth	Borehole	8740	ft	
TPOS_EDTC	Tool Position: Centered or Eccentered	EDTC-B	Centered		
Run 2Time Zoned Parameters					
Pass Main[6]:Up					
Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
MNHTR	139	25-Apr-2015 11:21:36	25-Apr-2015 11:27:39	8732.42	8478.94
MNHTR	124	25-Apr-2015 11:27:39	25-Apr-2015 11:30:35	8478.94	8307.26
MNHTR	97	25-Apr-2015 11:30:35	25-Apr-2015 12:12:31	8307.26	5888.64
Pass Log[7]:Up					
MNHTR	97	25-Apr-2015 12:25:42	25-Apr-2015 14:02:29	5888.64	59.1
All depth are at tool zero.					
Tool Control Parameters					







Channel Processing Parameters				
Run 2: Parameters				
Parameter	Description	Tool	Value	Unit
AMSG	Auxiliary Minimum Sliding Gate	DSLTH	228	us
ISSBAR	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased	
BS	Bit Size	WLSESSION	8.75	in
CBLO	Casing Bottom (Logger)	WLSESSION	10482	ft
CBRA	CBL LQC Reference Amplitude in Free Pipe	DSLTH	62	mV
CCL_MULTIPLIER	Casing Collar Locator Multiplier	CAL-YA	3	
CDEN	Cement Density	EDTC-B	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DETE	Delta-T Detection	DSLTH	E1	
DFD	Drilling Fluid Density	Borehole	8.7	lbm/gal
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS	
GOBO_CURR	Good Bond in Arbitrary Cement	DSLTH	2.87	mV
MAHTR	Manual High Threshold Reference for first arrival detection	DSLTH	120	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	DSLTH	11.82	dB/ft
MCI	Minimum Cemented Interval for Isolation	DSLTH	10	ft
MNHTR	Minimum High Threshold Reference for first arrival detection	DSLTH	Time Zoned	
MSA	Minimum Sonic Amplitude	DSLTH	1.33	mV

MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	DSL-T-H	1.33	mV
NMSG	Near Minimum Sliding Gate	DSL-T-H	273	us
SGAD	Sliding Gate Status	DSL-T-H	Off	
SGDT	Sliding Gate Delta-T	DSL-T-H	Time Zoned	us/ft
TD	Total Measured Depth	Borehole	8740	ft
TPOS_EDTC	Tool Position: Centered or Eccentered	EDTC-B	Centered	

Time Zone Parameters					
Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
MNHTR	179	25-Apr-2015 11:11:00	25-Apr-2015 11:13:36	8737	8618.67
MNHTR	151	25-Apr-2015 11:13:36	25-Apr-2015 11:13:47	8618.67	8608.55
MNHTR	139	25-Apr-2015 11:13:47	25-Apr-2015 11:17:39	8608.55	8374.04
SGDT	59	25-Apr-2015 11:11:00	25-Apr-2015 11:11:25	8737	8732.72
SGDT	54	25-Apr-2015 11:11:25	25-Apr-2015 11:17:39	8732.72	8374.04
All depth are at tool zero.					

Tool Control Parameters	
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Run 2: Parameters				
Parameter	Description	Tool	Value	Unit
MODE	DSL-T Acquisition Mode	DSL-T-H	CBL	
RATE	DSL-T Firing Rate	DSL-T-H	15 Hz	
DTFS	DSL-T Telemetry Frame Size	DSL-T-H	536	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	5000	ft/h

Calibration Report	
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SGT-N (Scintillation Gamma-Ray Tool) Calibration - Run IMP1_Run 1	
Primary Equipment :	
Scintillation Gamma Cartridge	SGC-TB
Calibration Parameter :	
Plus Reference (Jig minus background reference)	165

SGT-N Gamma-Ray Calibration - Gamma Ray Coefficients							
Before (Measured):		18:44:53 08-Apr-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Gain		Before			1.041		

SGT-N Gamma-Ray Calibration - Gamma Ray Accumulations							
Before (Measured):		18:44:53 08-Apr-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement	gAPI	Before		0	66.891	120.000	
RGR Plus Measurement	gAPI	Before	158.470	144.063	158.470	172.876	

SGT-N Gamma-Ray Plateau Check - Gamma Ray Plateau Check							
Before (Measured):		18:47:25 08-Apr-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Plus Plateau Measurement	gAPI	Before			226.057		
RGR Minus Plateau Measurement	gAPI	Before			224.625		

EDTC-B (Enhanced Digital Telemetry Cartridge - Version B) Calibration - Run 2		
Primary Equipment :		
EDTC-B	EDTC-B	8188
Calibration Parameter :		
Plus Reference (Jig minus background reference)	160	

EDTC-B Accelerometer Calibration - EDTC-B Accelerometer Calibration	
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Before (Measured):		15:30:46 24-Apr-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
AZ Vertical Measurement	ft/s2	Before	32.19	31.53	32.45	32.84	<div><div></div><div></div><div></div></div>
EDTC-B Memory Data - EDTC-B Memory Data							
Master (EEPROM):		12:23:29 25-Apr-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
Initial PMT HV	V	Master			1537.000		<div><div></div><div></div></div>
Accelerometer Serial Number		Master			230		<div><div></div><div></div></div>
Accelerometer Coefficients - 0		Master	----	----	2.980	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 1		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 2		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 3		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 4		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 5		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 6		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 7		Master	----	----	0.006	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 8		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 9		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 10		Master	----	----	0.000	----	<div><div></div><div></div></div>
Accelerometer Coefficients - 11		Master	----	----	0.000	----	<div><div></div><div></div></div>
Gamma-Ray Detector Serial Number		Master			65535		<div><div></div><div></div></div>
EDTC-B Gamma-Ray Calibration - Gamma Ray Coefficients							
Before (Measured):		07:43:02 24-Apr-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
Gamma Ray Gain		Before	1.000	0.900	1.067	1.100	<div><div></div><div></div><div></div></div>
EDTC-B Gamma-Ray Calibration - Gamma Ray Accumulations							
Before (Measured):		07:43:02 24-Apr-2015					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
RGR Zero Measurement	gAPI	Before		0	77.199	120.000	<div><div></div><div></div><div></div></div>
RGR Plus Measurement	gAPI	Before	160.000	145.000	149.885	175.000	<div><div></div><div></div><div></div></div>

Field:	Eaton
County:	Weld
State:	Colorado

Digital Sonic Logging Tool

CBL/VDL

GR-CCL