

Company: ENCANA OIL & GAS (USA) INC

Well: SG 8507C-35 (D36 496)

Field: STORY GULCH

County: GARFIELD

State: COLORADO

SLIM CEMENT MAPPING LOG  
CBL – VDL  
GAMMA RAY – CCL

County:	GARFIELD		
Field:	STORY GULCH		
Location:	SHL: 392 FNL & 1053 FWL		
Well:	SG 8507C-35 (D36 496)		
Company:	ENCANA OIL & GAS (USA) INC		
	LOCATION		
	SHL: 392 FNL & 1053 FWL		Elev.: K.B. 8320.00 ft
	BHL: 2050 FNL & 1805 FEL		G.L. 8290.00 ft
			D.F. 8319.00 ft
	Permanent Datum:	GROUND LEVEL	Elev.: 8290.00 ft
	Log Measured From:	KELLY BUSHING	30.00 ft above Perm. Datum
	Drilling Measured From:	KELLY BUSHING	
	API Serial No.	Section 36	Township 4S
	05-045-20937-000C		Range 96W

	Run 1	Run 2	Run 3
PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation			
CEMENTING DATA			
Primary/Squeeze	Primary		
Casing String No			
Lead Cement Type			
Volume			
Density			
Water Loss			
Additives			
Tail Cement Type			
Volume			
Density			
Water Loss			
Additives			
Expected Cement Top			

Logging Date	4-May-2013		
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Logging Date	
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Run Number	1
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Run Number	
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Depth Driller	12540 ft
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Depth Driller	
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Schlumberger Depth	12435 ft
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Schlumberger Depth	
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Bottom Log Interval	12426 ft
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Bottom Log Interval	
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Top Log Interval	50 ft
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Top Log Interval	
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Casing Fluid Type	FRESH WATER
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Casing Fluid Type	
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Salinity	
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Salinity	
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Density	8.4 lbm/gal
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Density	
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Fluid Level	50 ft
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Fluid Level	
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BIT/CASING/TUBING STRING	
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BIT/CASING/TUBING STRING	
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Bit Size	7.875 in
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Bit Size	
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From	8947 ft
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From	
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To	12540 ft
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To	
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Maximum Recorded Temperatures	283 degF
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Maximum Recorded Temperatures	
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Logger On Bottom	4-May-2013
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Logger On Bottom	
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Unit Number	391
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Unit Number	
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Recorded By	JASON BARRY
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Recorded By	
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Witnessed By	JOHN MILLER
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Witnessed By	
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## DEPTH SUMMARY LISTING

Date Created: 30-APR-2013 11:07:37

## Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	1-25ZT
Serial Number:	6214	Serial Number:	3421	Serial Number:	112136
Calibration Date:	24-APR-2012	Calibration Date:	30-APR-201	Length:	19500 FT
Calibrator Serial Number:		Calibrator Serial Number:	174878	Conveyance Method: Wireline Rig Type: LAND	
Calibration Cable Type:	1-25ZT	Number of Calibration Points:	10		
Wheel Correction 1:	-3	Calibration RMS:	7		
Wheel Correction 2:	-4	Calibration Peak Error:	15		

## Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	0.00 FT
Rig Up Length At Bottom:	0.00 FT
Rig Up Length Correction:	0.00 FT
Stretch Correction:	
Tool Zero Check At Surface:	

### Depth Control Remarks

1. ALL SCHLUMBERGER DEPTH CONTROL POLICIES APPLIED
2. IDW USED AS PRIMARY DEPTH REFERENCE
3. SWPT DRUM COUNTER USED AS SECONDARY DEPTH REFERENCE
- 4.
- 5.
- 6.

## DISCLAIMER

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OTHER SERVICES1	OTHER SERVICES2
OS1: RESERVOIR SATURATION	OS1:
OS2: LOG	OS2:
OS3: SIGMA MODE	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
FIRST RUN IN HOLE CORRELATED TO DOWNLOG	
TOOL RAN AS PER TOOL SKETCH	
ENTRANCE TIME: 9:00	
TIME ON BOTTOM: 9:45	
EXIT TIME: 13:15	

MAX RECORDED TEMPERATURE: 283 DEGF	
MAX RECORDED PRESSURE: 4952 PSIA	
SHORT JOINTS: 7933 FT & 10960 FT	
MAIN PASS LOGGED UNDER ZERO SURFACE PRESSURE	
EXPECTED CBL AMP IN FREE PIPE = 80 MV	
CREW: J BARRY, K BUNTING, K JOHNS, B RANSBOTTOM	
THANK YOU FOR CHOOSING E&P WIRELINE, A SCHLUMBERGER COMPANY	

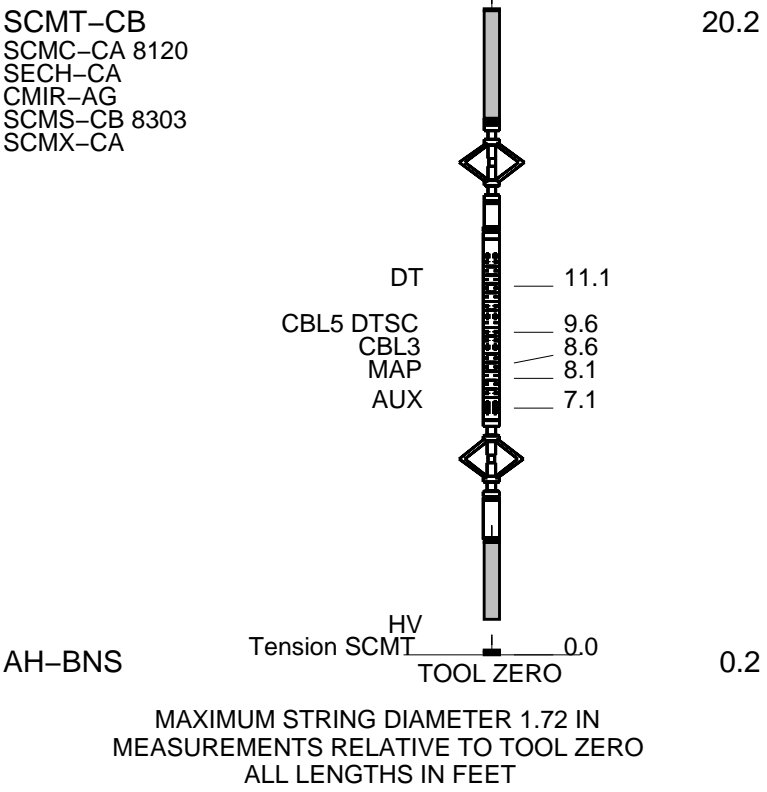
RUN 1 SERVICE ORDER #: C920-00074 PROGRAM VERSION: 19C0-187 FLUID LEVEL: 50 ft			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION	
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	RUN 1	RUN 2
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SURFACE EQUIPMENT	
WITM-A PSC_16MHZ	

DOWNHOLE EQUIPMENT			
MH-22			53.3
MH-22			
Detail MT			
AH-38	TelStatus		51.7
PSPT	CTEM		51.5
PSC-A			51.5
PSPT-B 928			
PSTC-A			
PBMS-B	GR		47.8
CQG_F_Mano			
RTD_Thermometer			
GR	Well_Temp		44.7
CCL	CQG Manom		44.4
PBMS	CCL		44.0
	PBMS PSTC		43.2
RST-C			43.2
RSCH-A 469			
RSC-E			
RSS-A 255			
RSXH-A 493			
RSX-E			
	RSC-A Far		34.1
	RSC-A PNG		
	RSC-A Nea		
	RSX-A PNG		33.6



Schlumberger

MAIN PASS CBL VDL

MAXIS Field Log

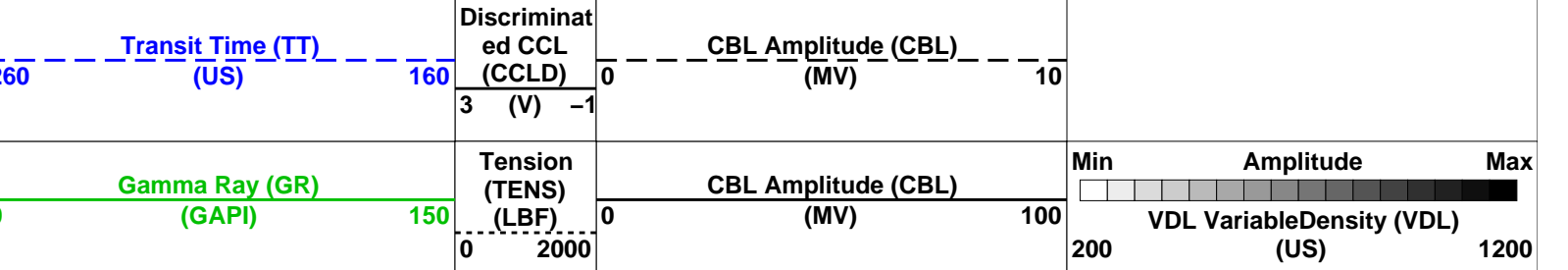
Company: ENCANA OIL & GAS (USA) INC Well: SG 8507C-35 (D36 496)

Input DLIS Files						
DEFAULT	Splice_SCMT_RST_PSP_008CUP	FN:1	PRODUCER	04-May-2013 13:40	12450.0 FT	-14.3 FT
Output DLIS Files						
DEFAULT	SCMT_RST_PSP_009PUP	FN:7	PRODUCER	04-May-2013 13:43	12450.0 FT	-58.5 FT

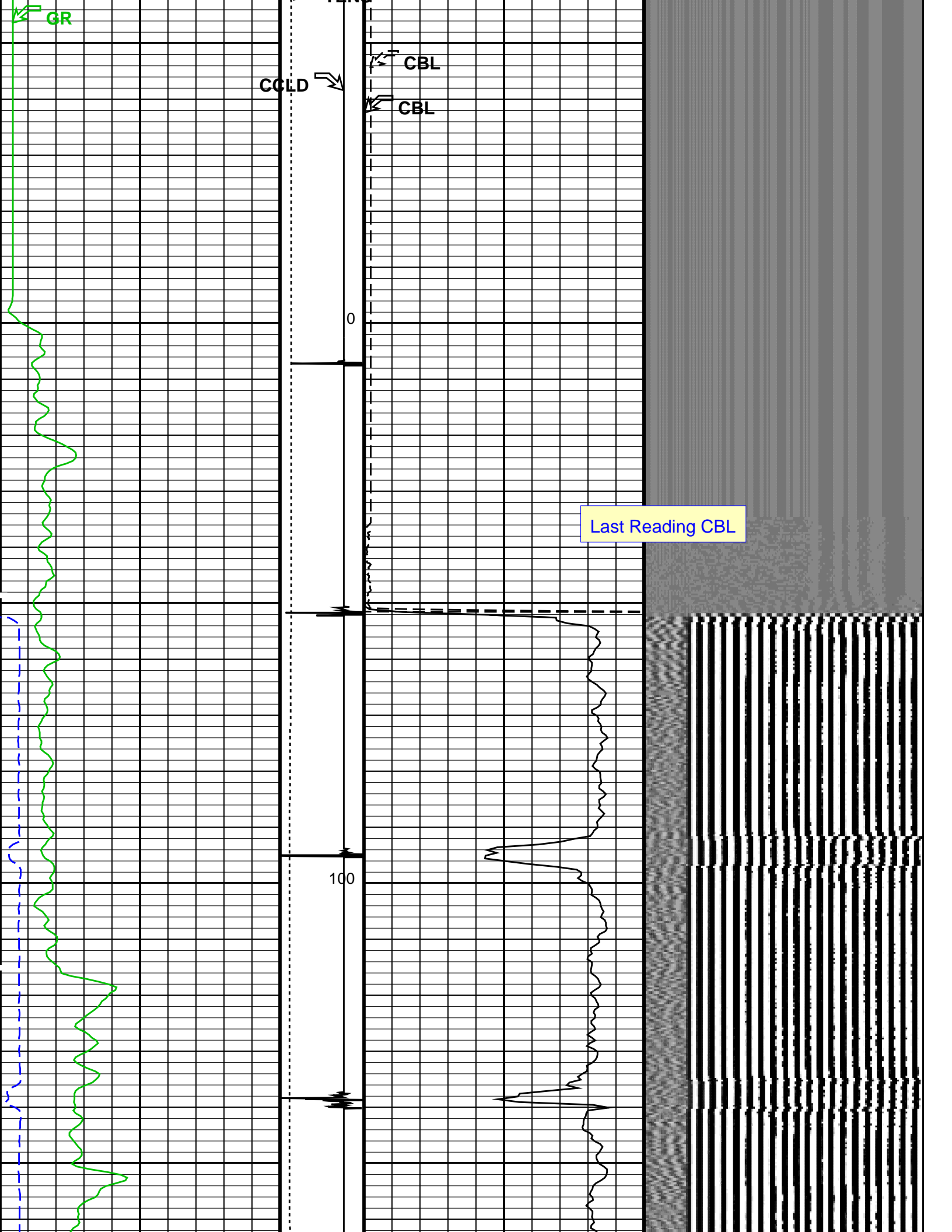
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SCMT-CB	SRPC-5214-H2-2012-OP1	RST-C	SRPC-5214-H2-2012-OP1
PSPT	SRPC-5214-H2-2012-OP1		

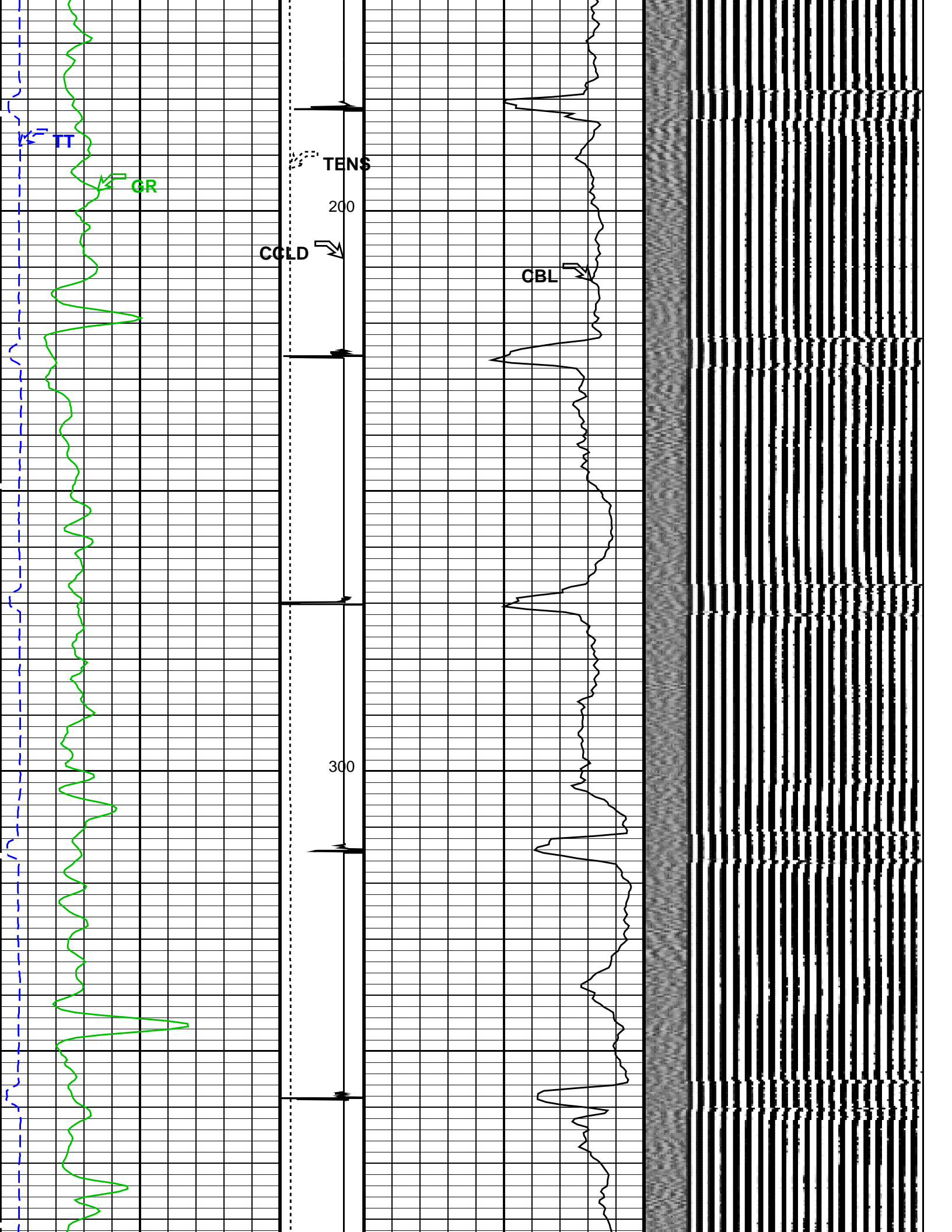
PIP SUMMARY

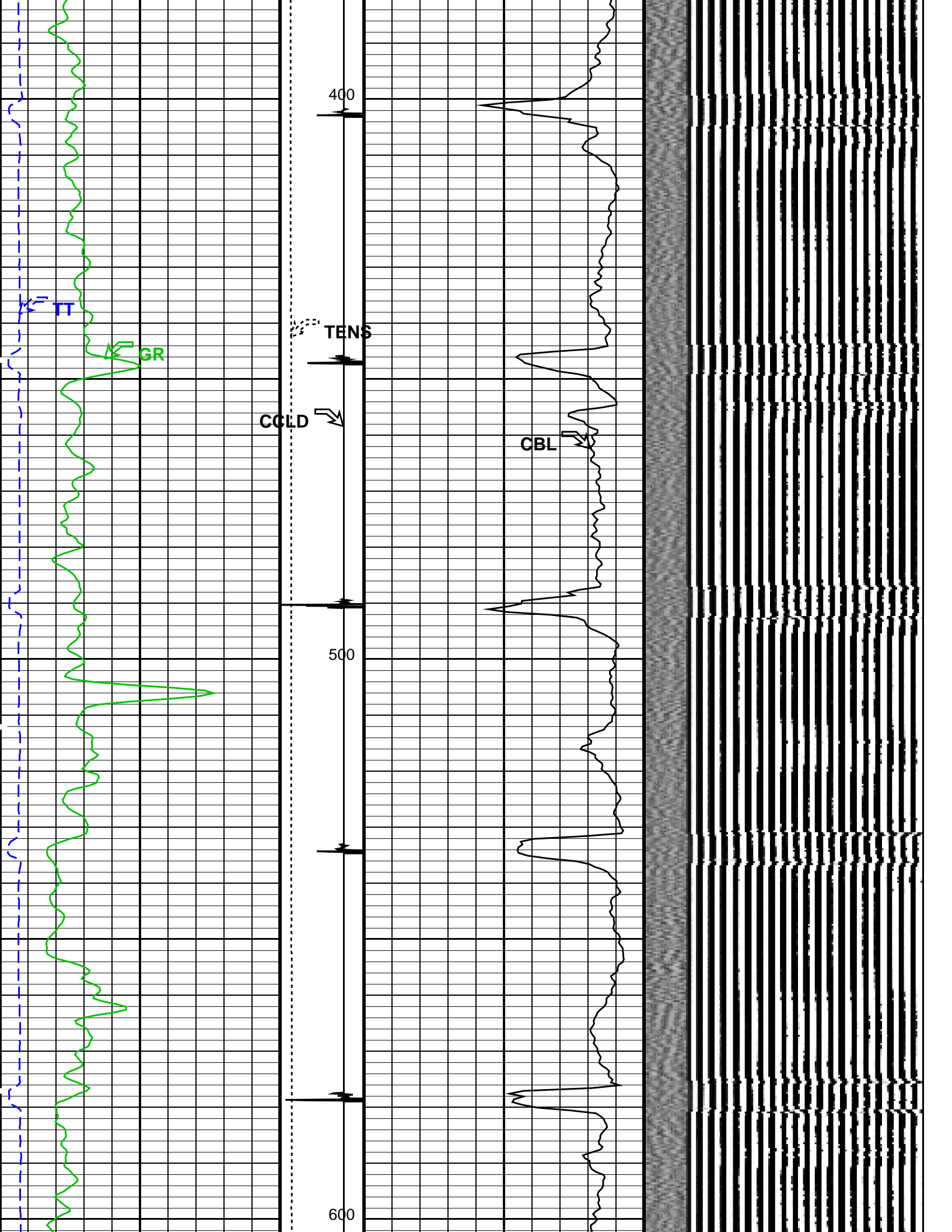
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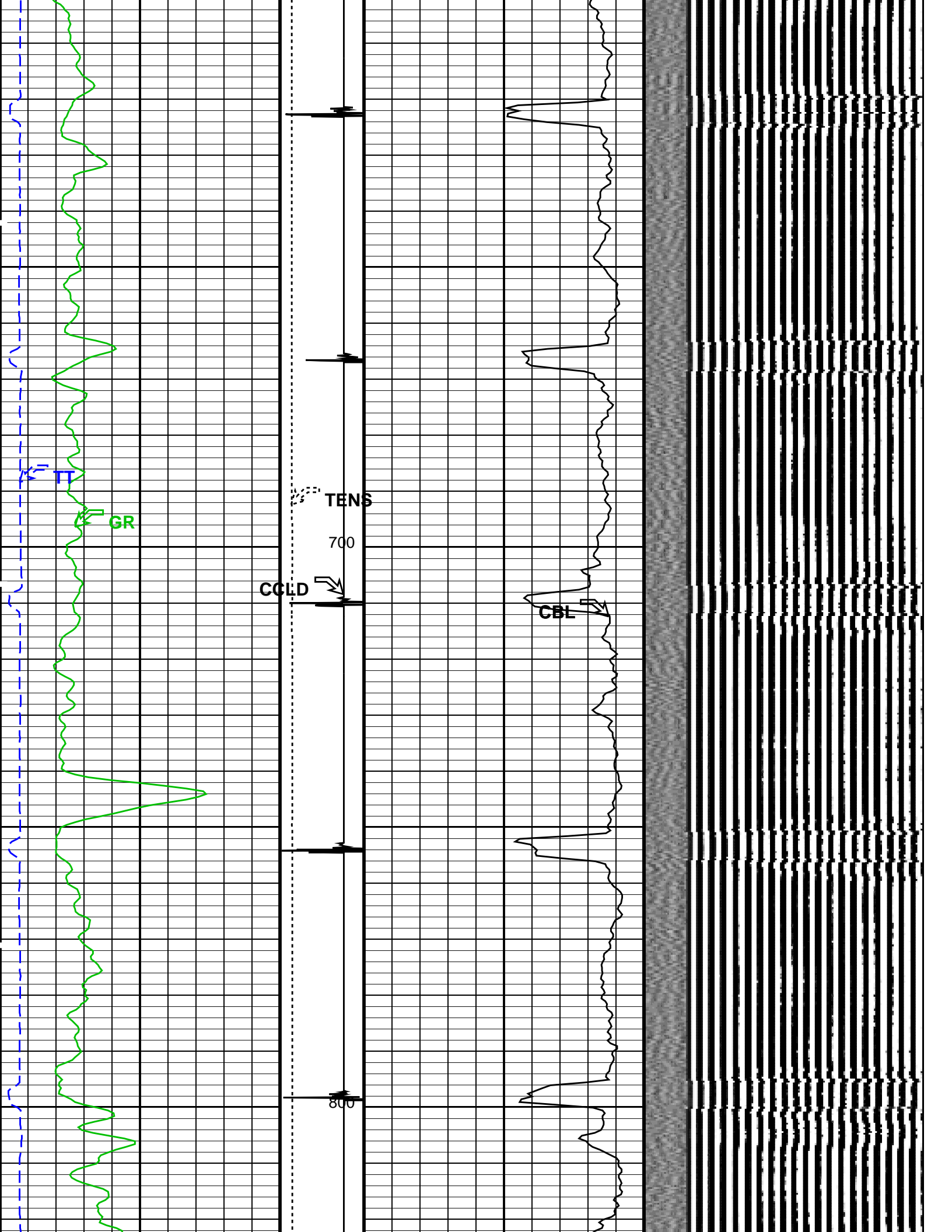


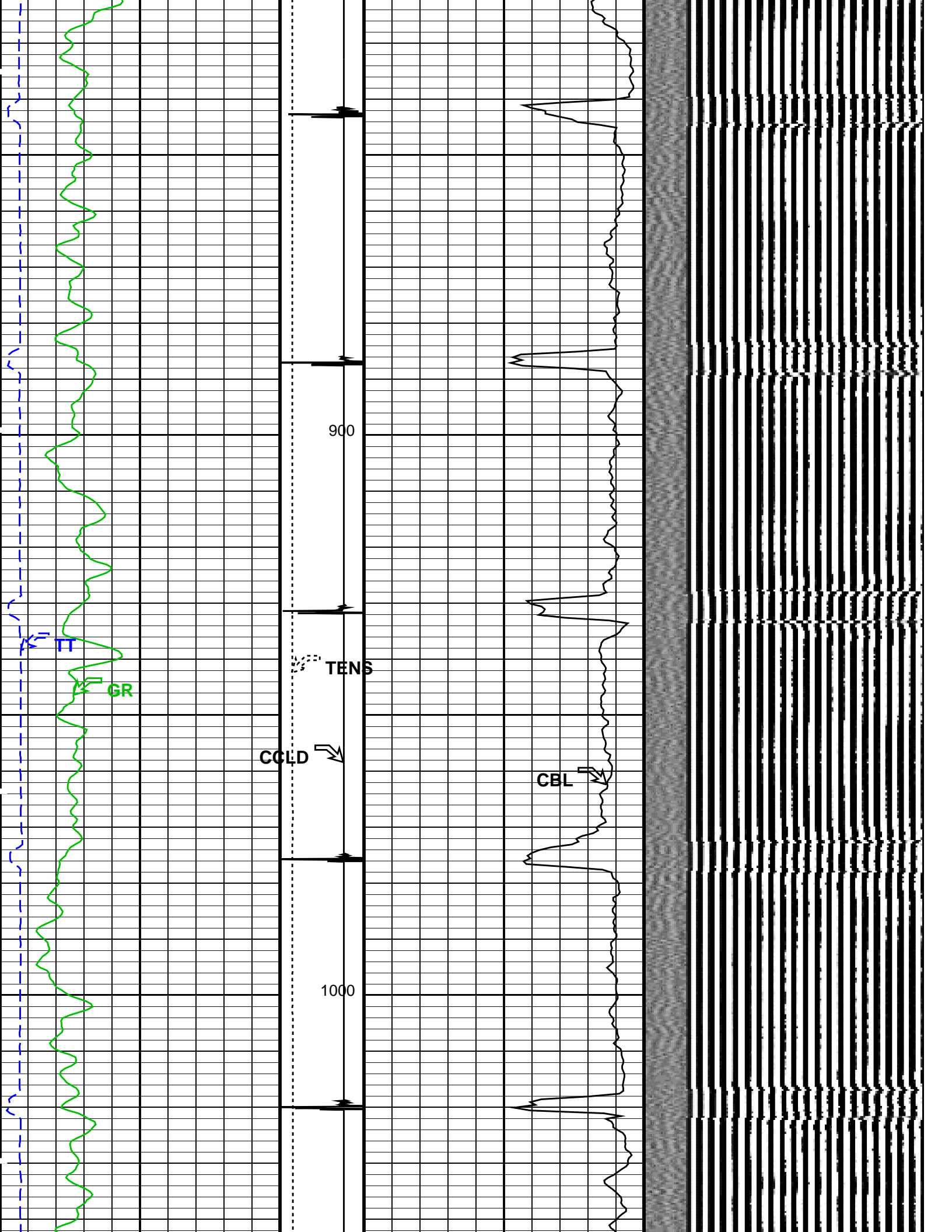


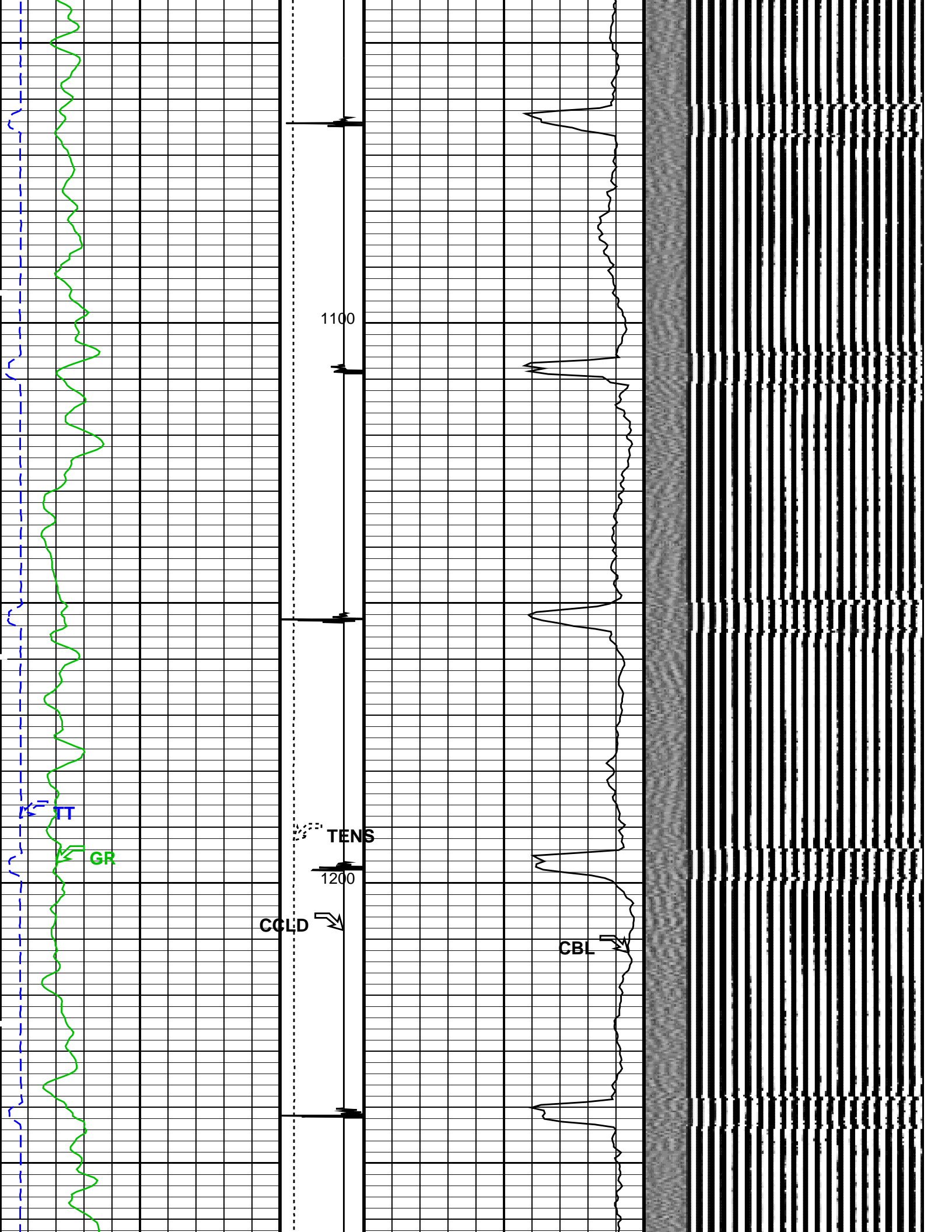




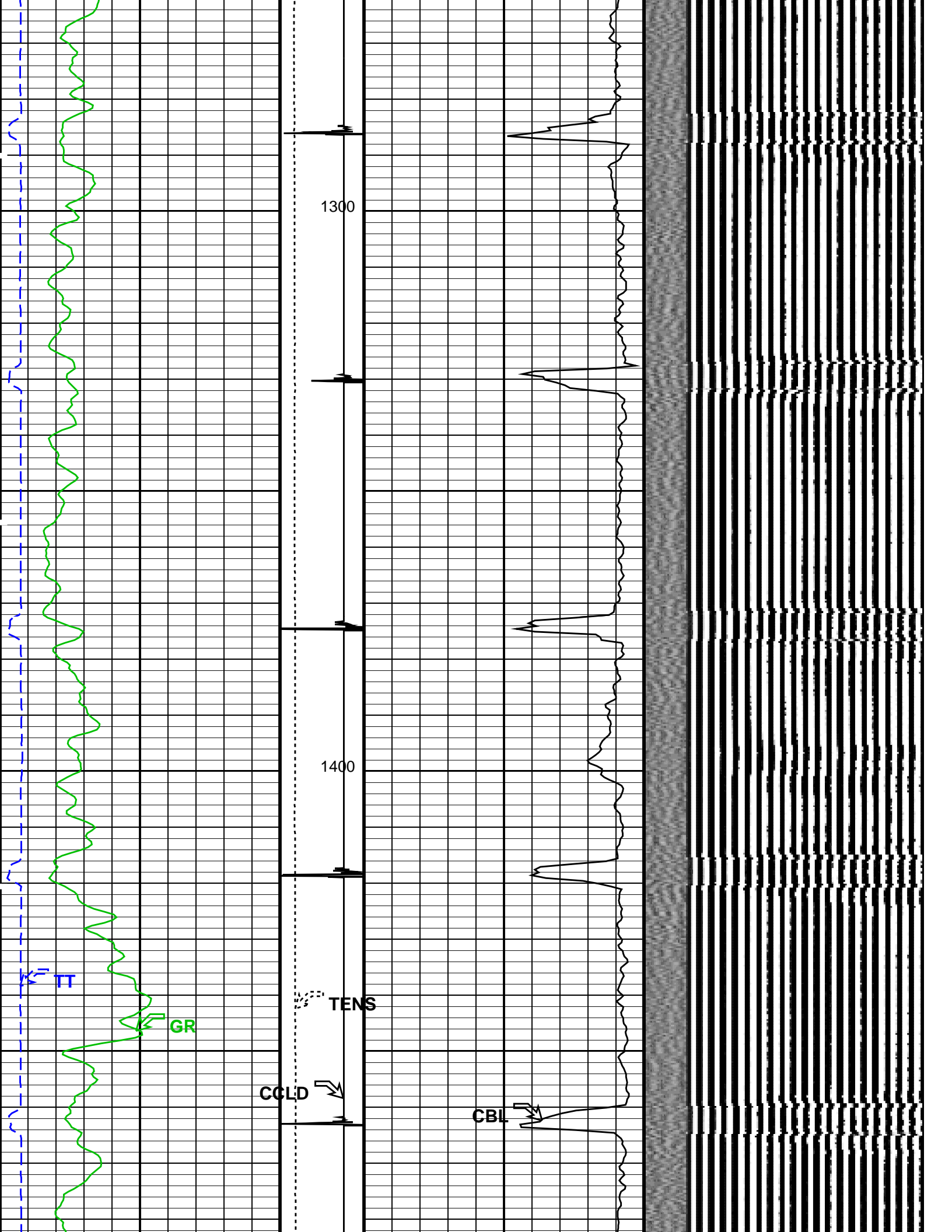


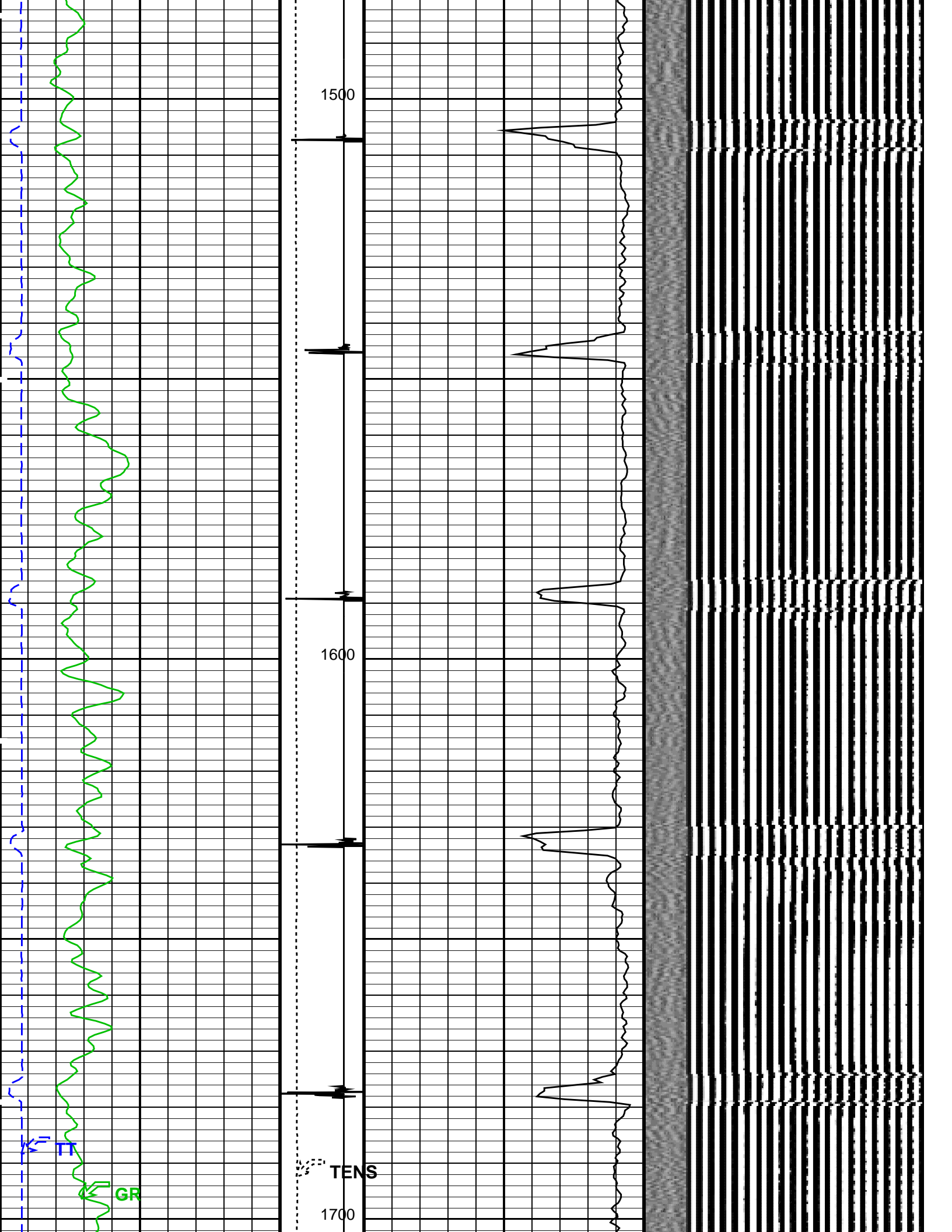




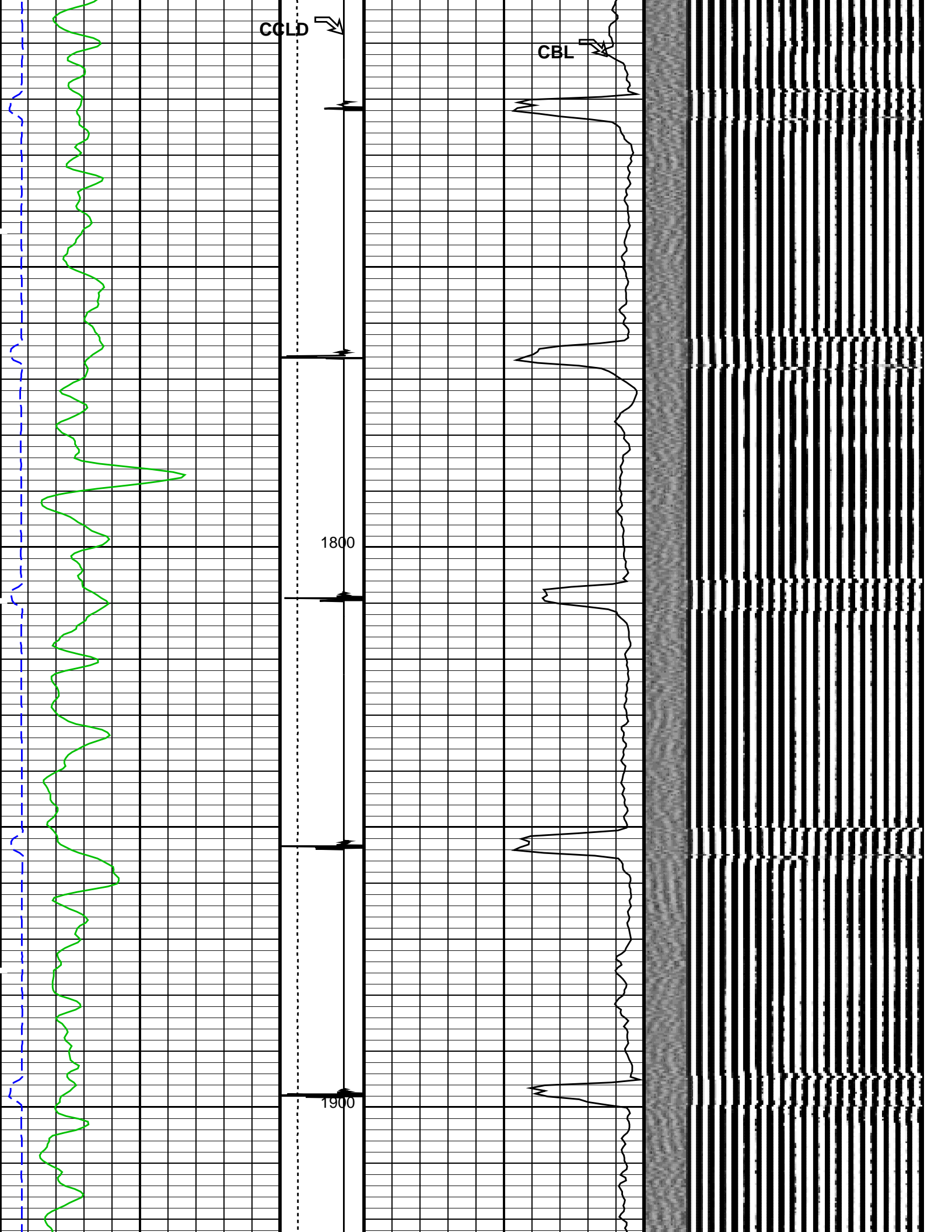


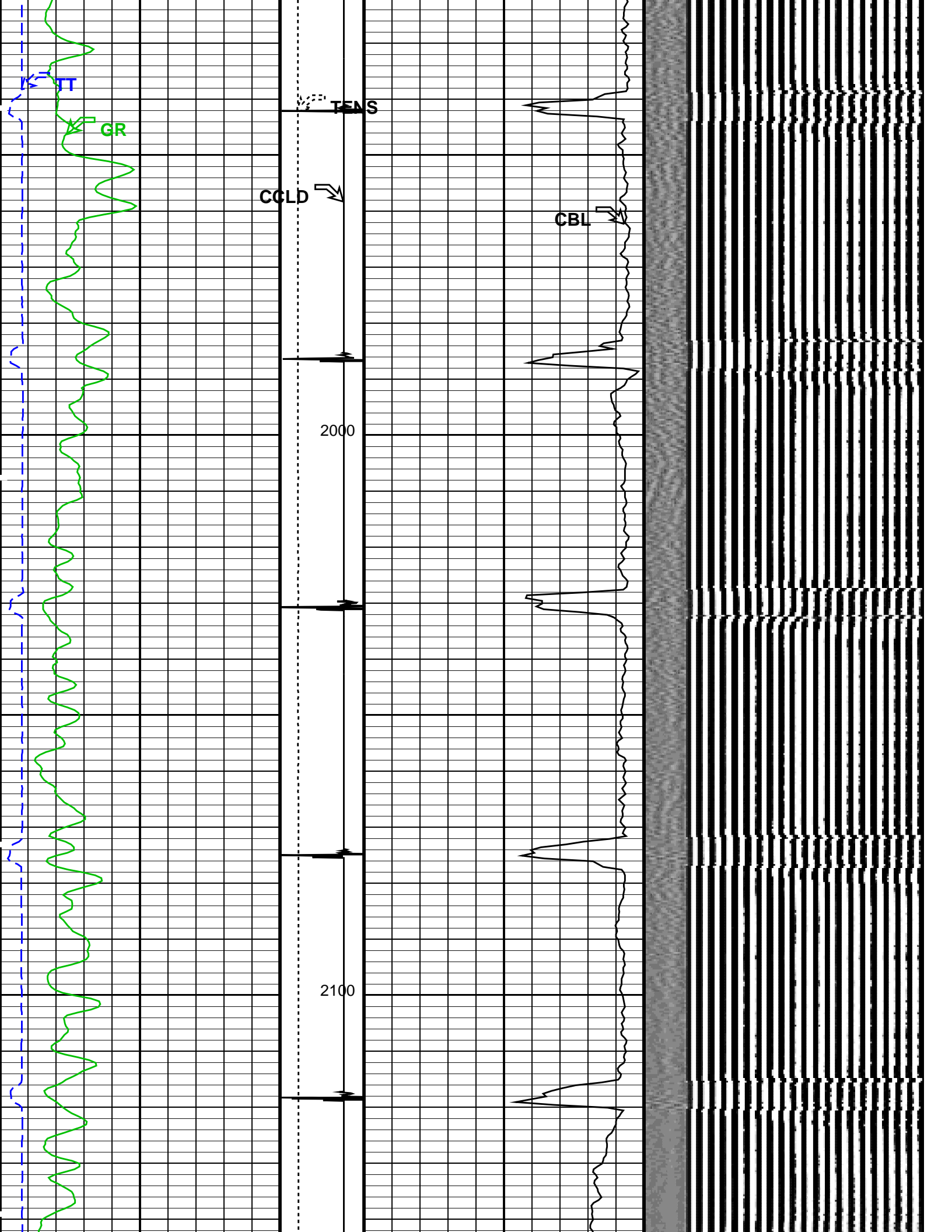


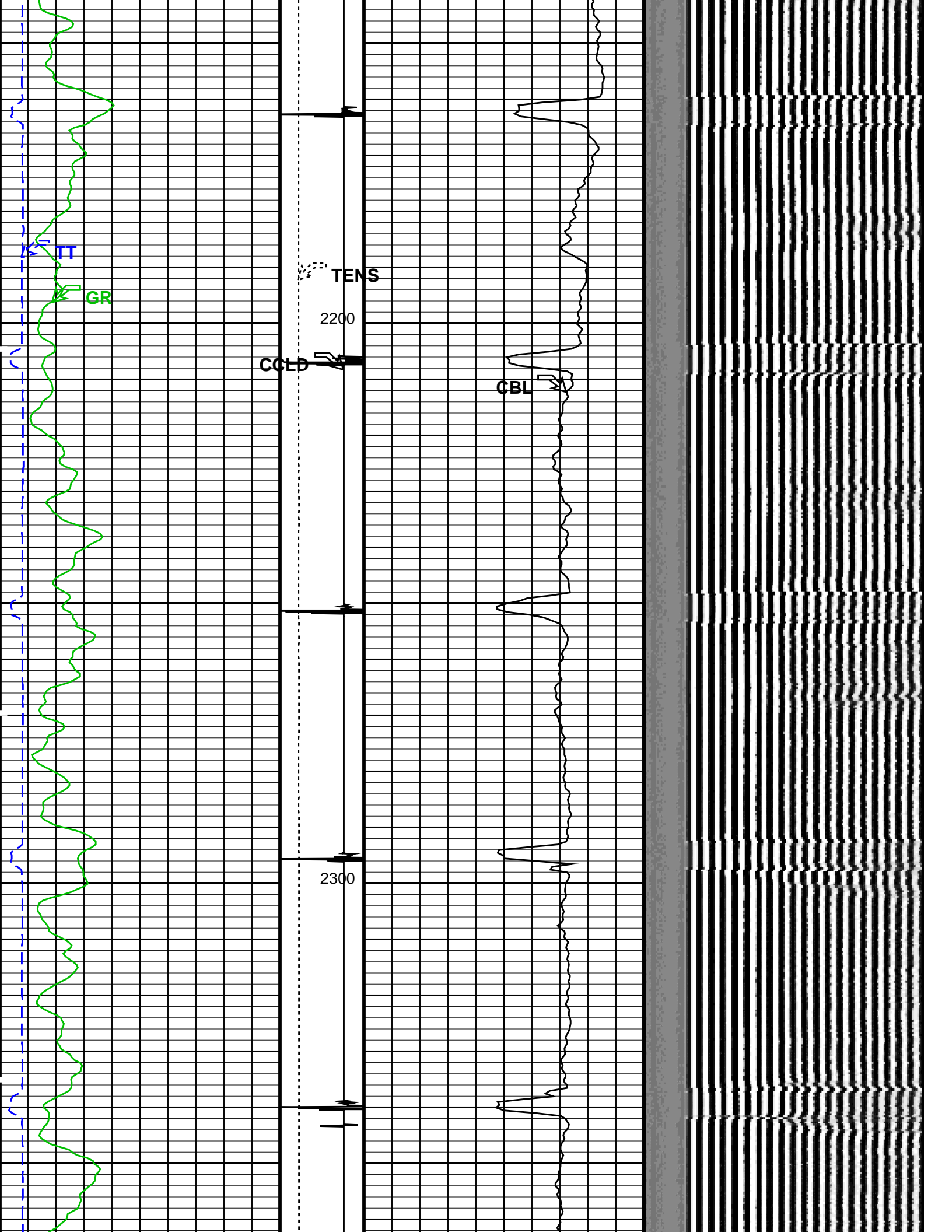


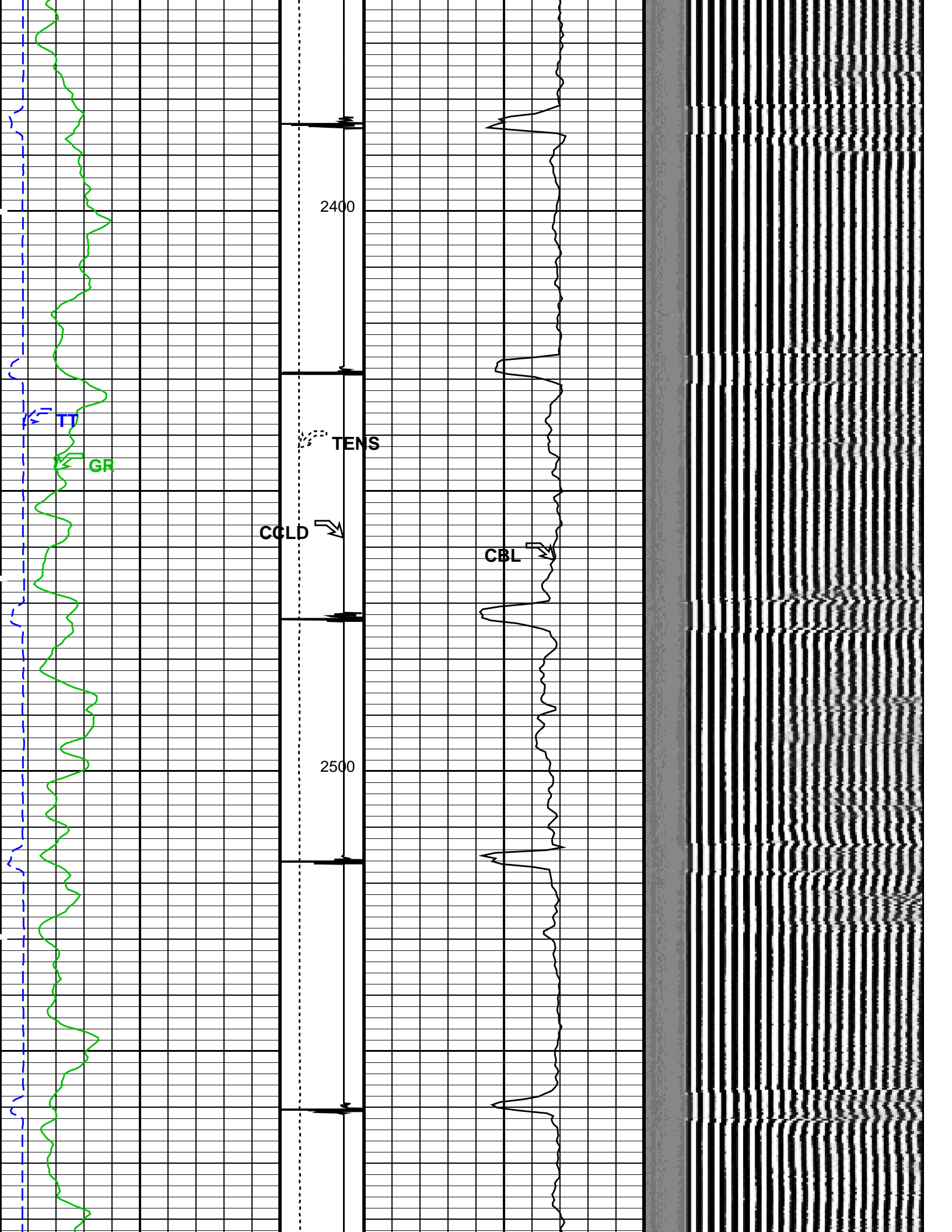


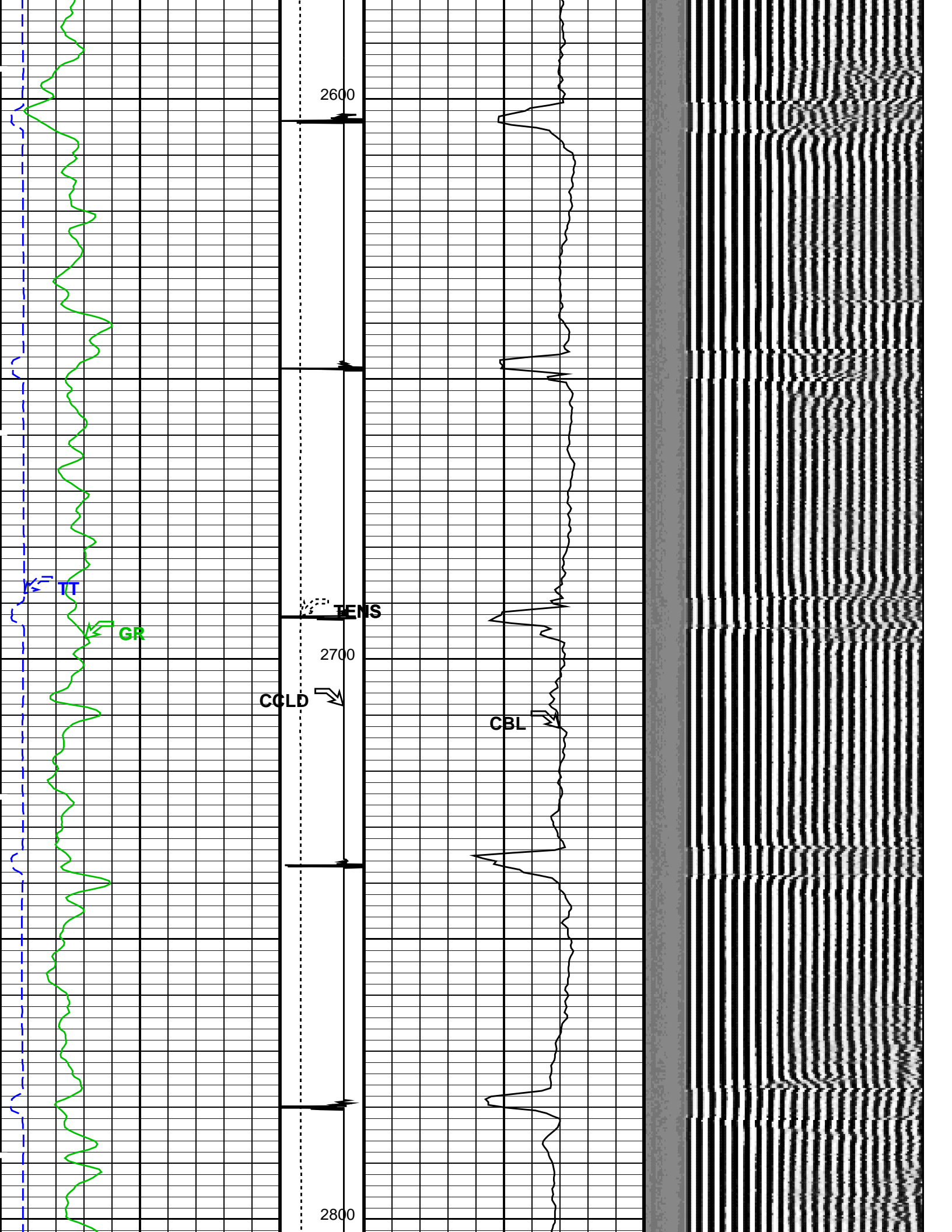




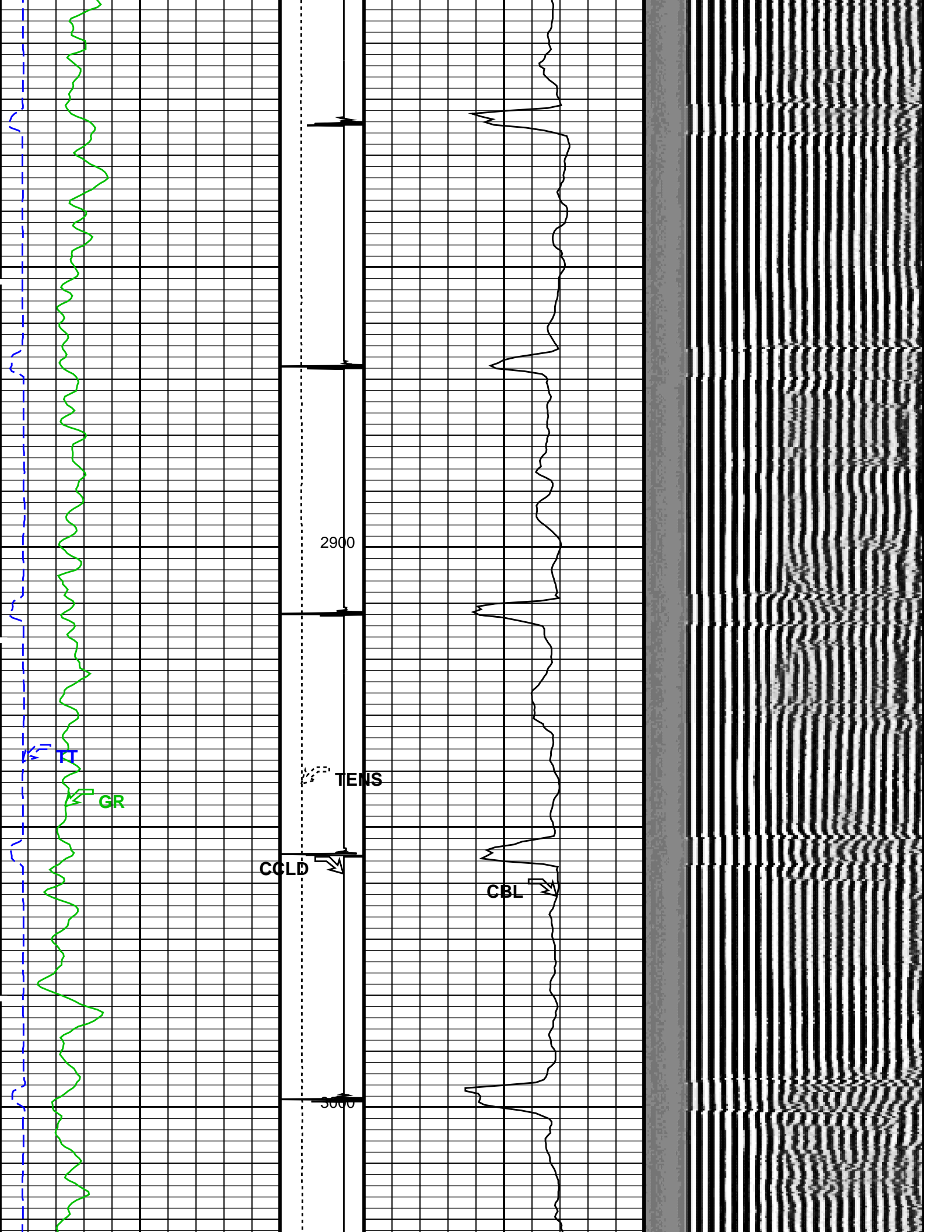


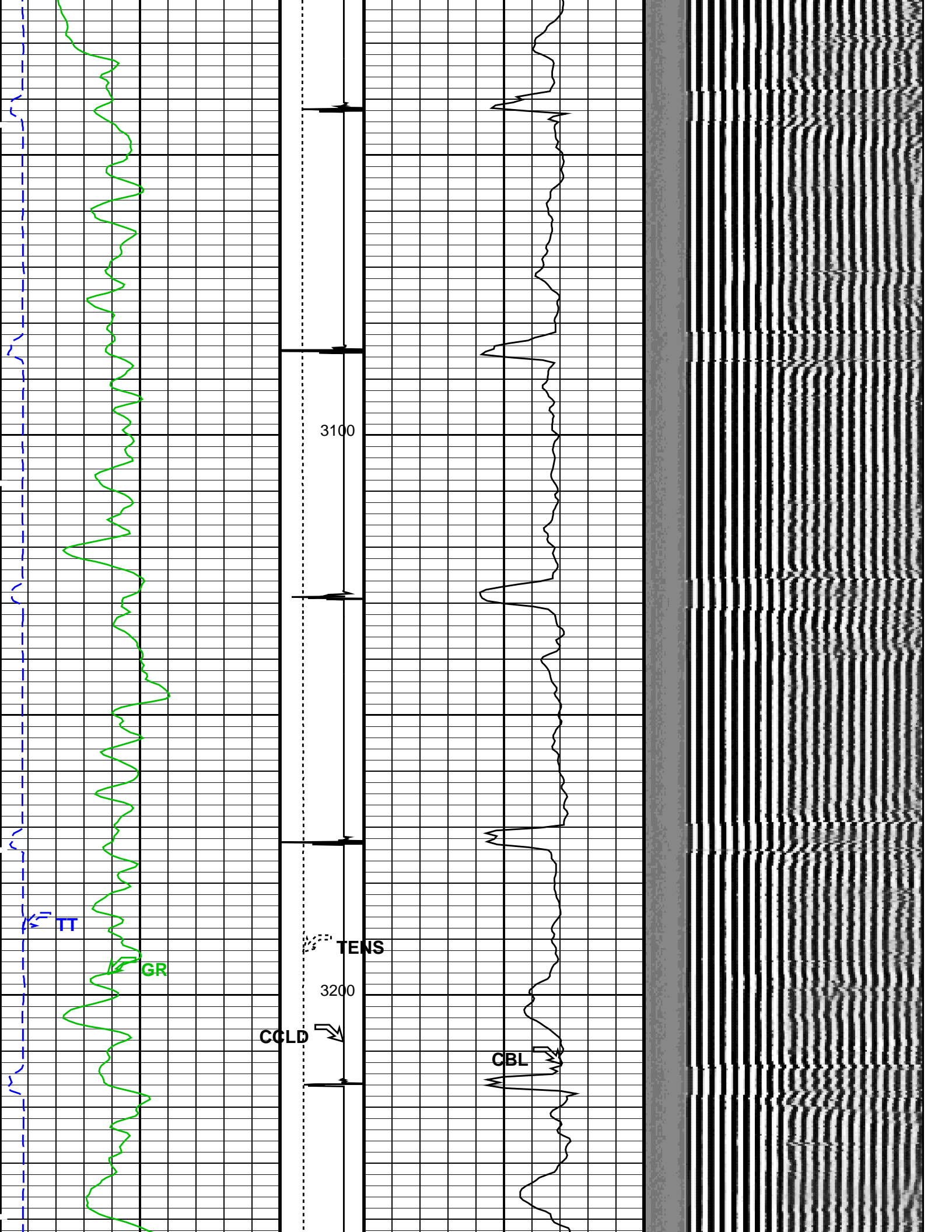


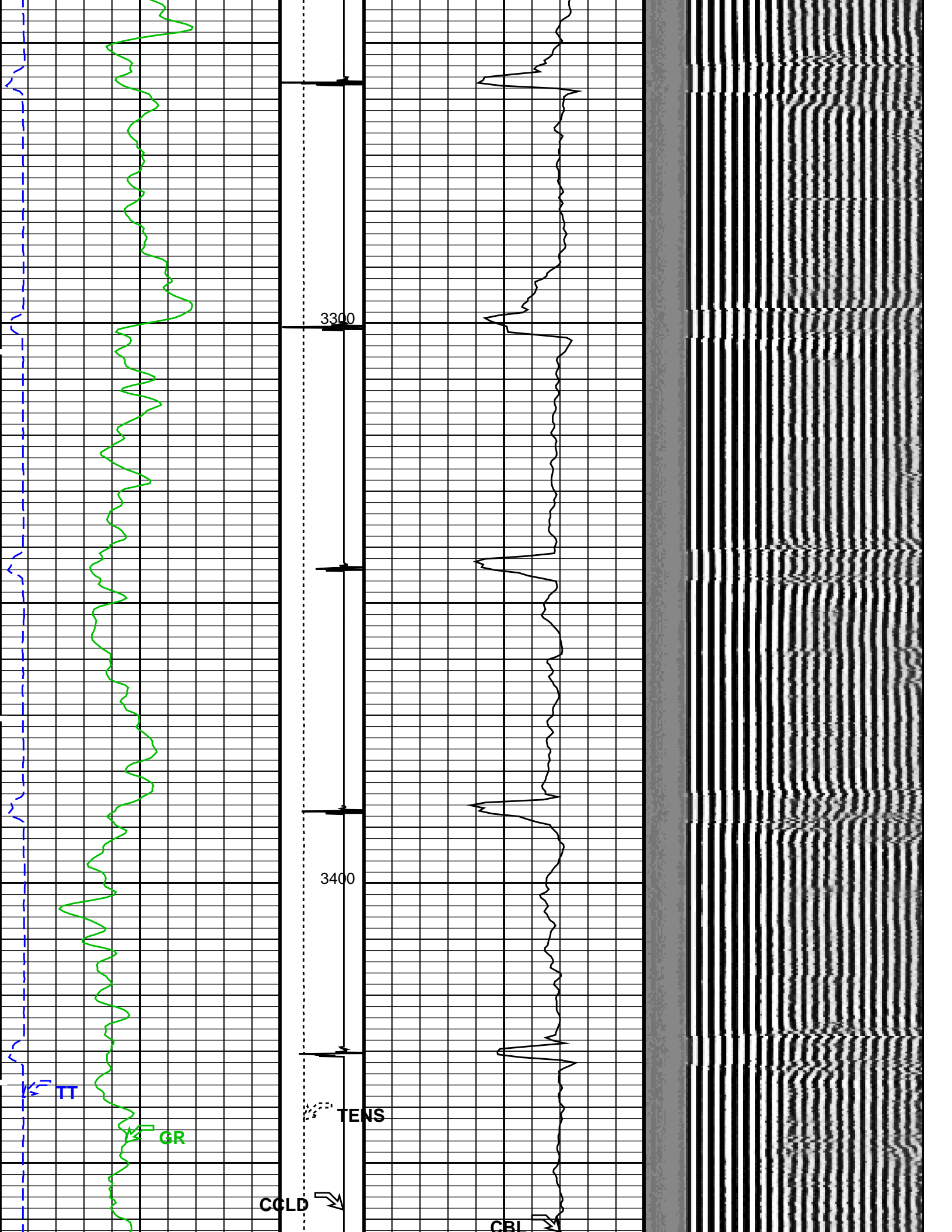




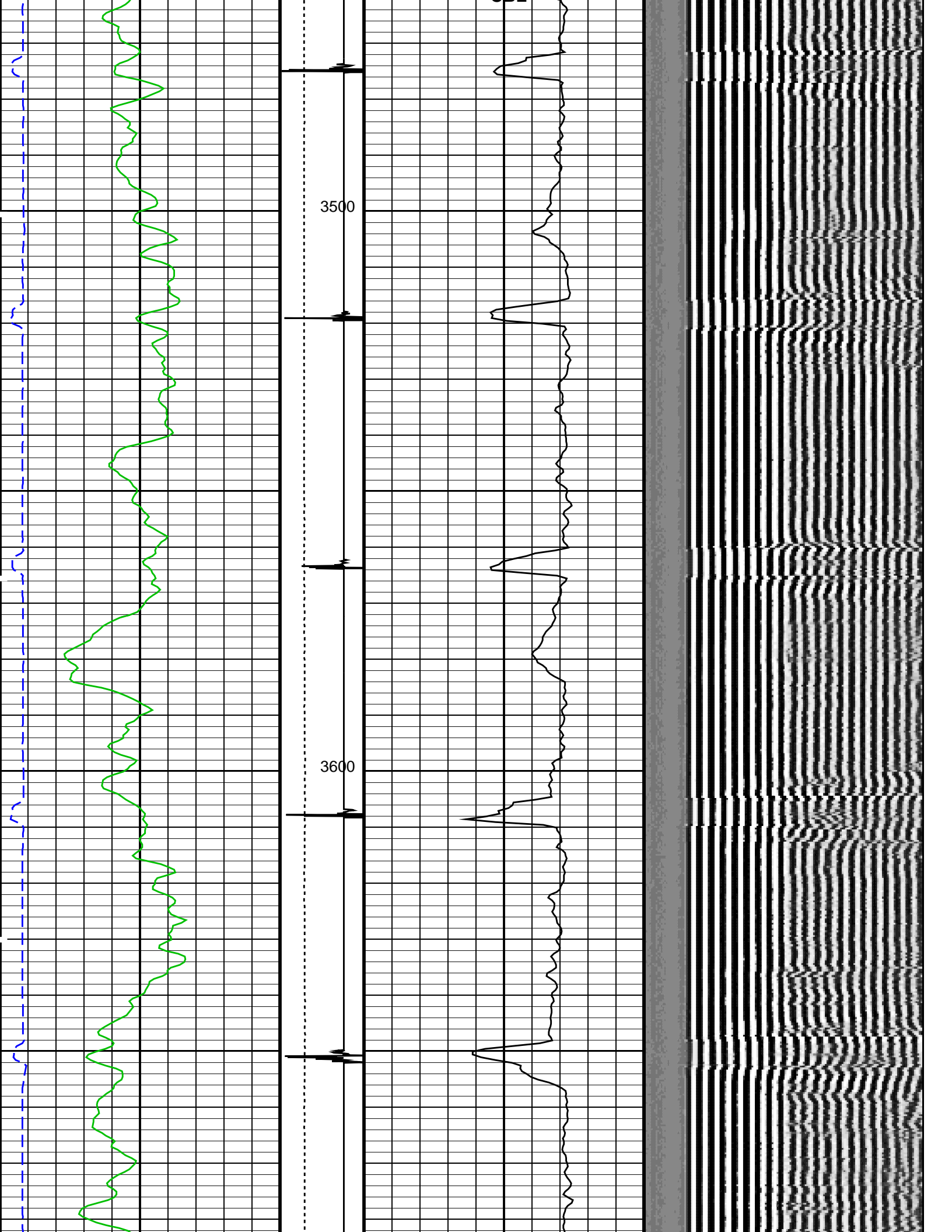


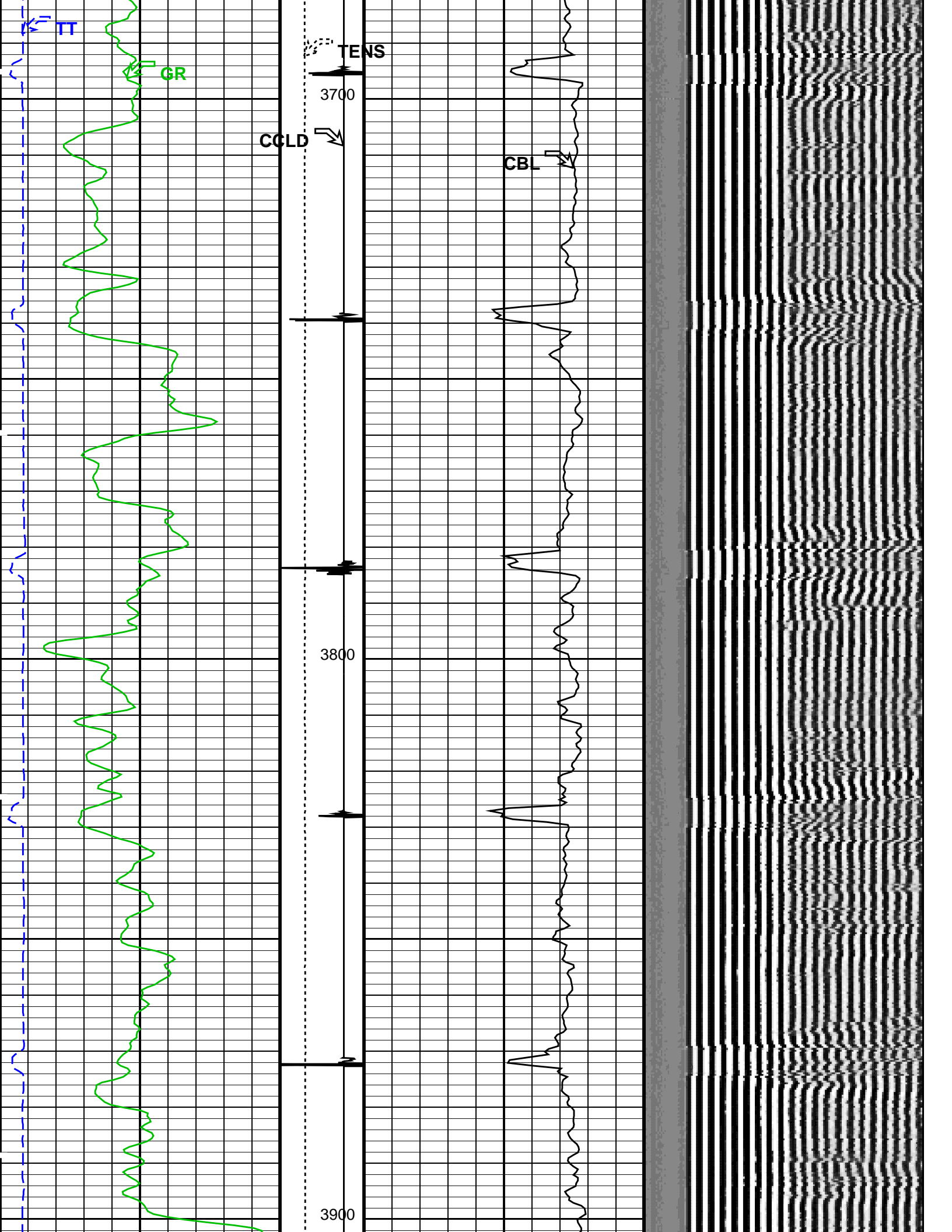


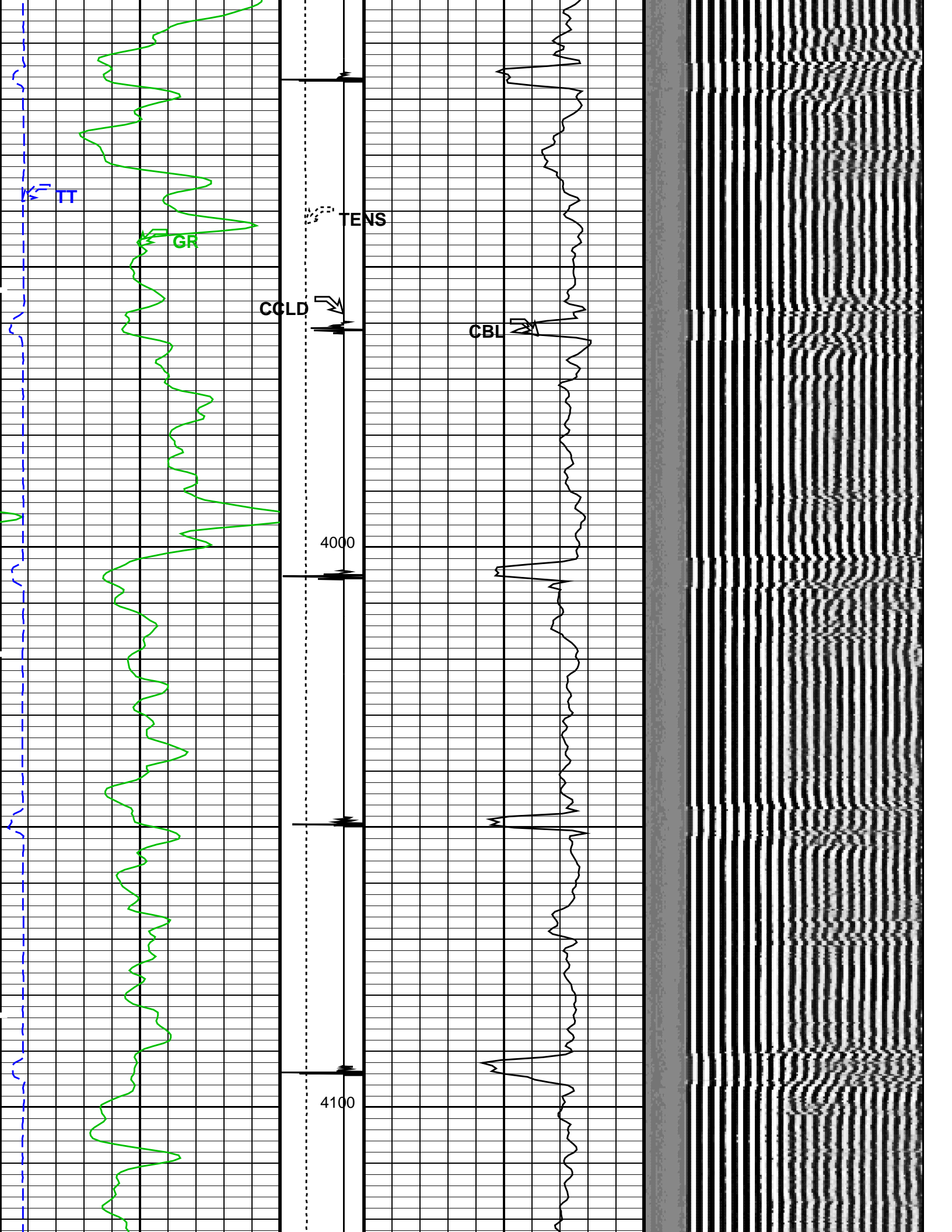


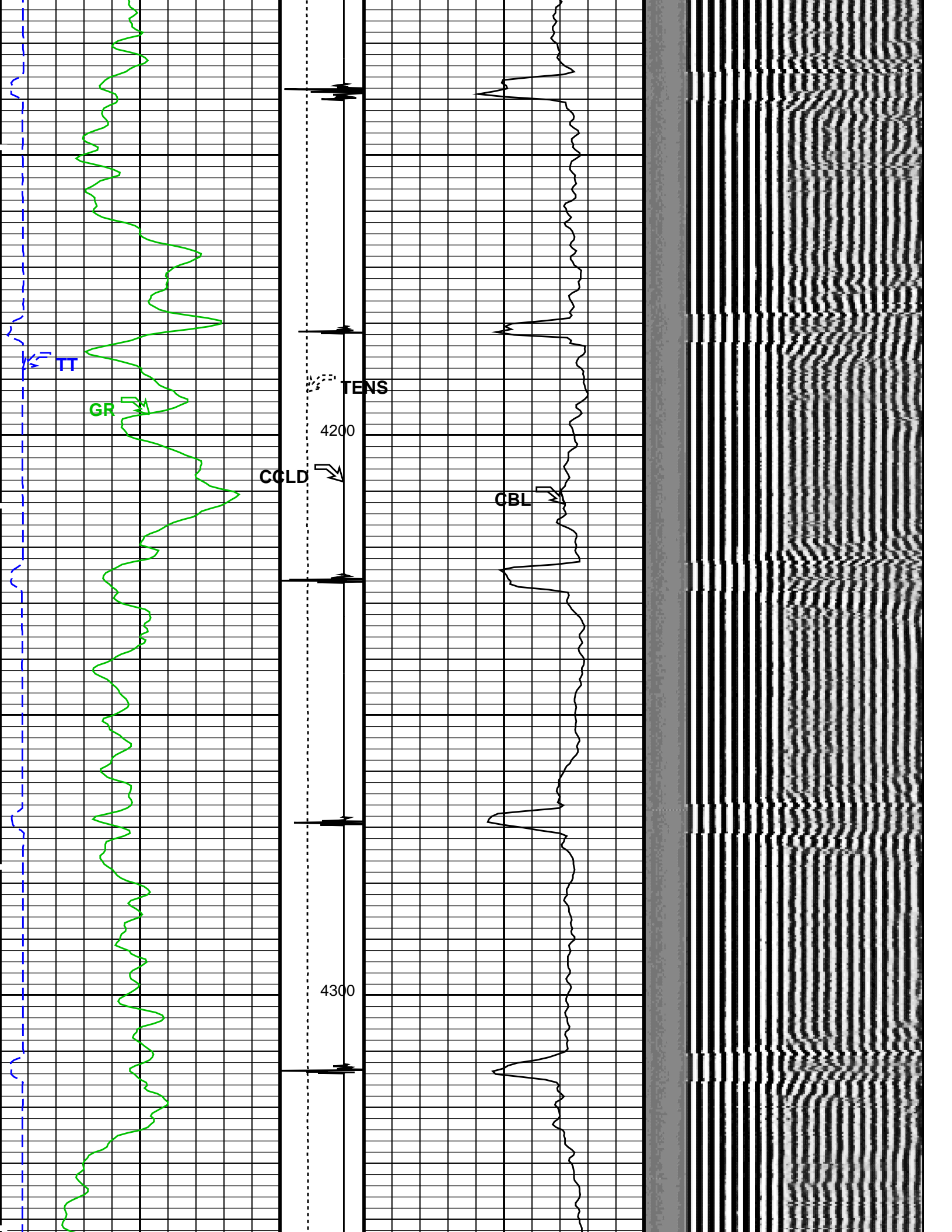




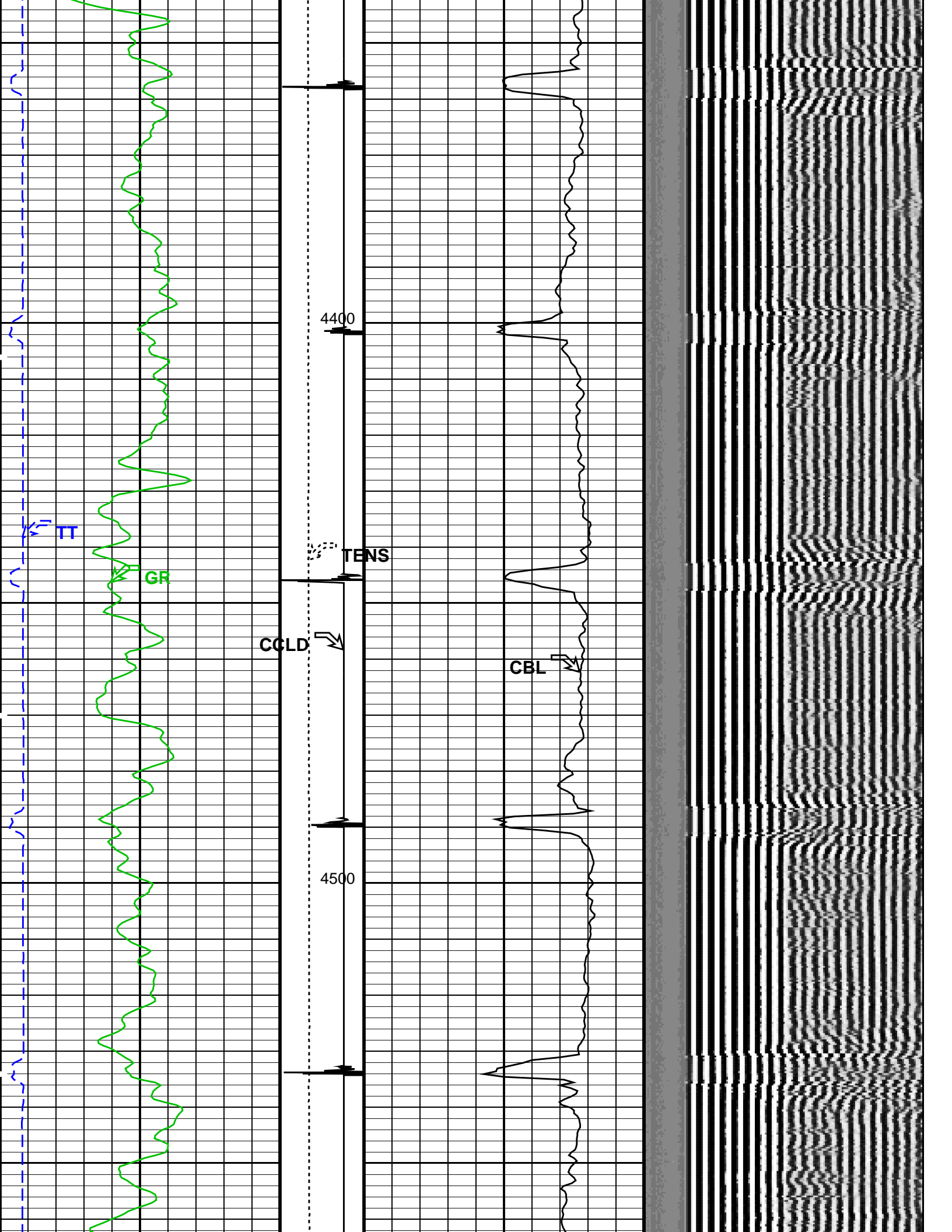


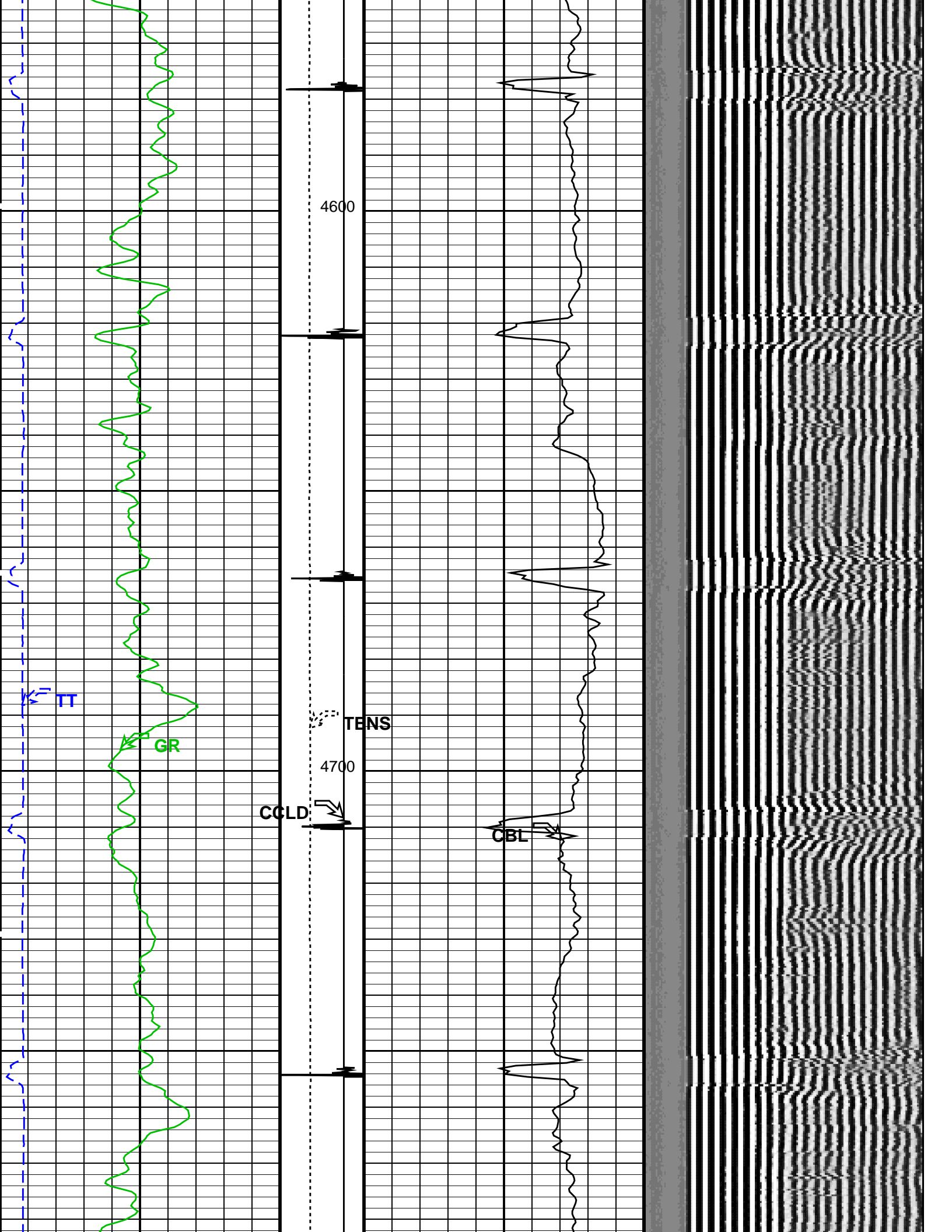


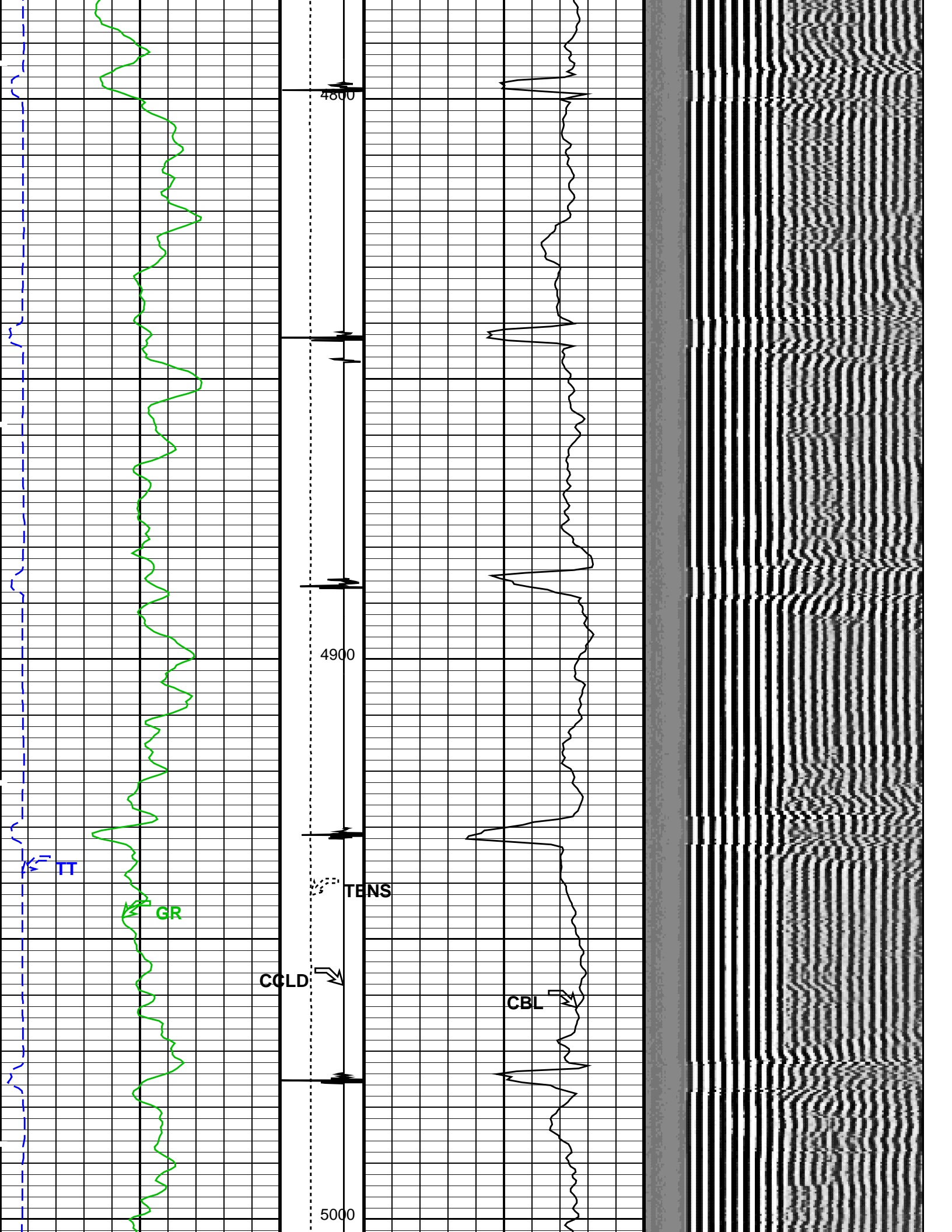


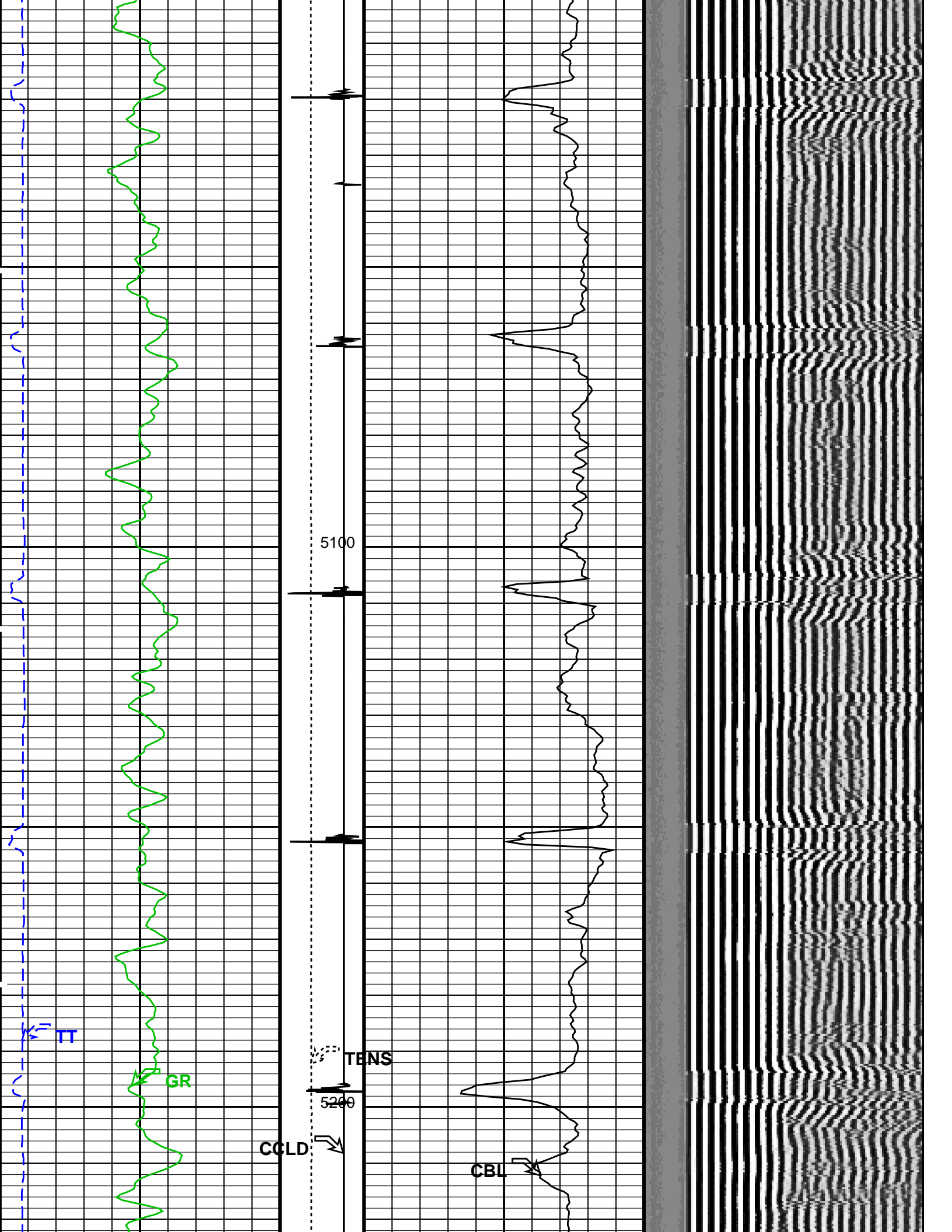




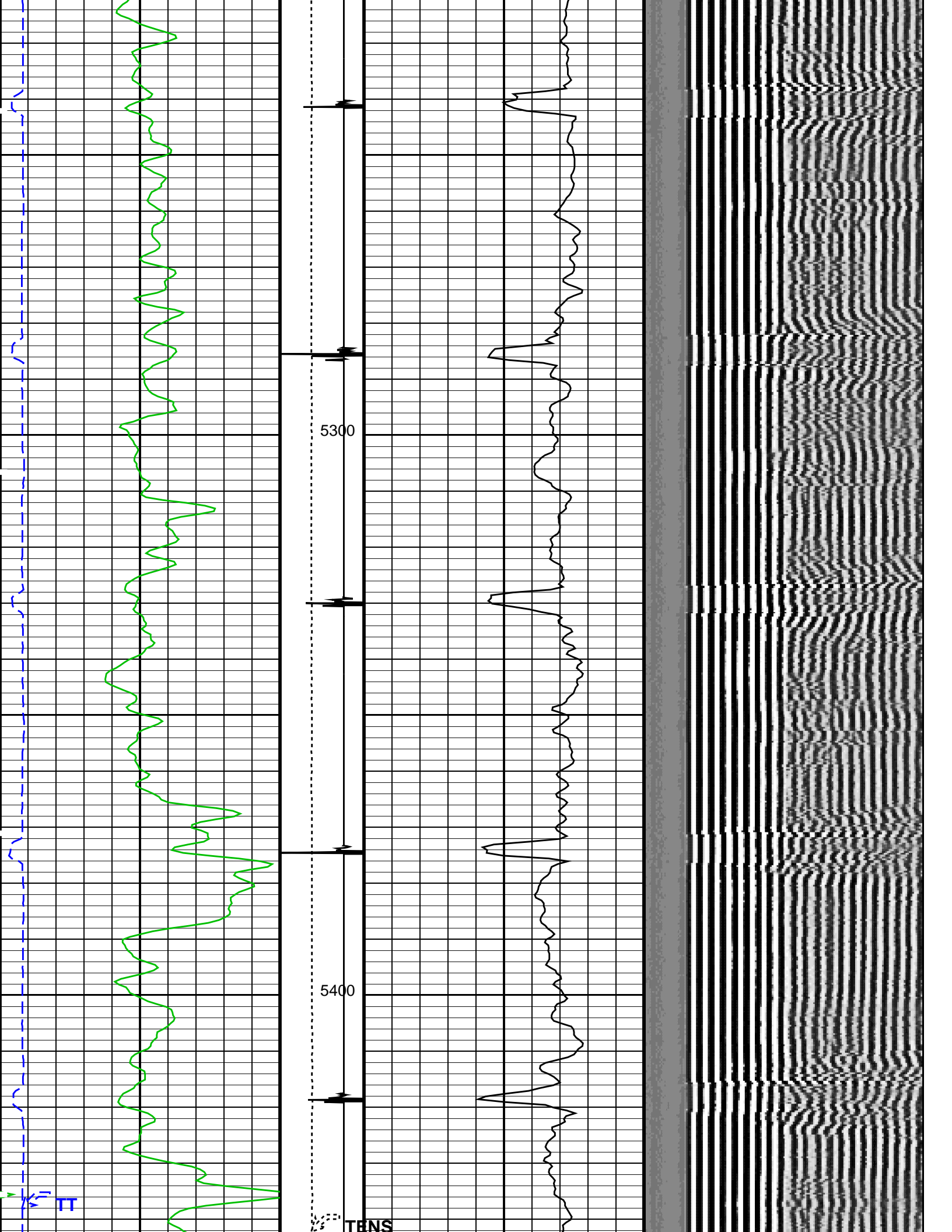


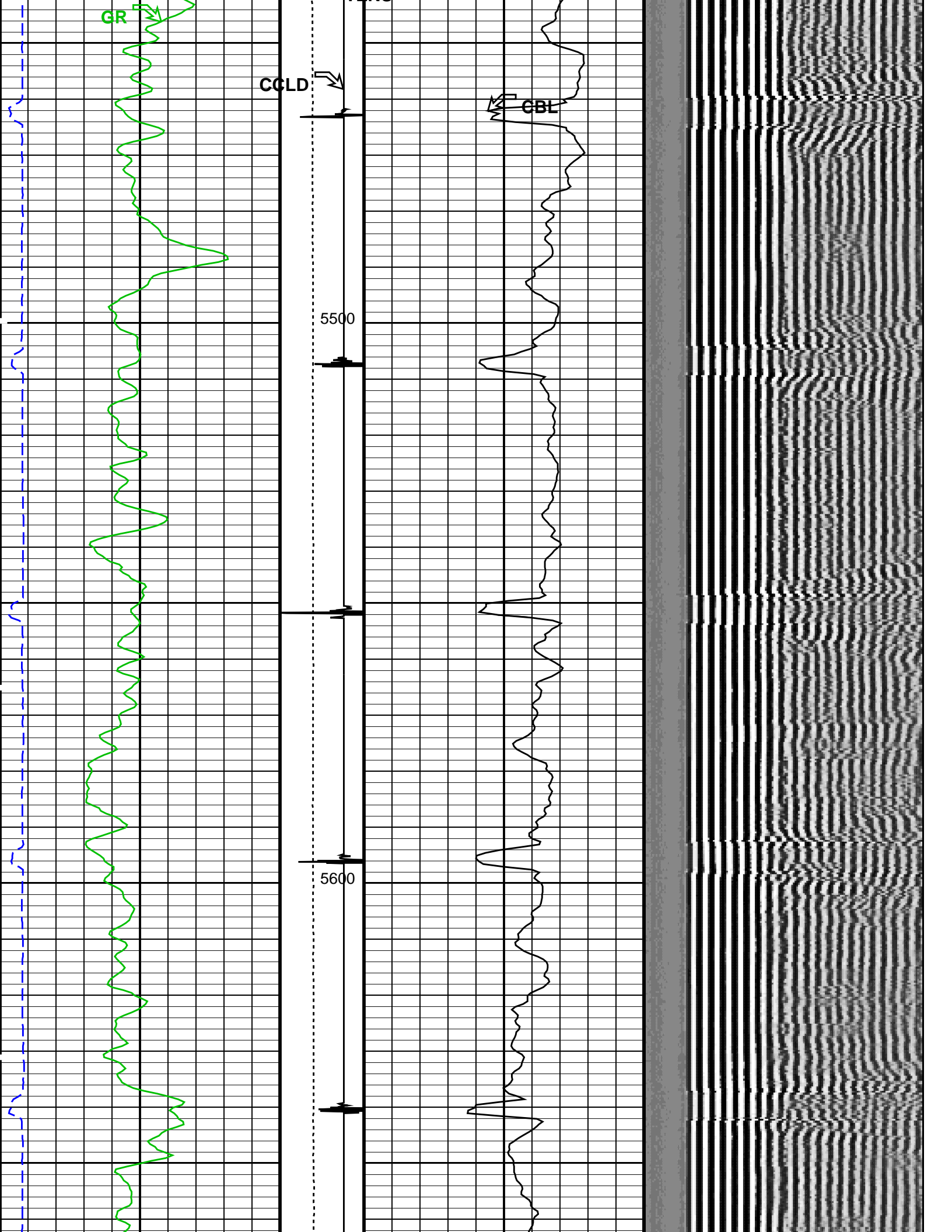


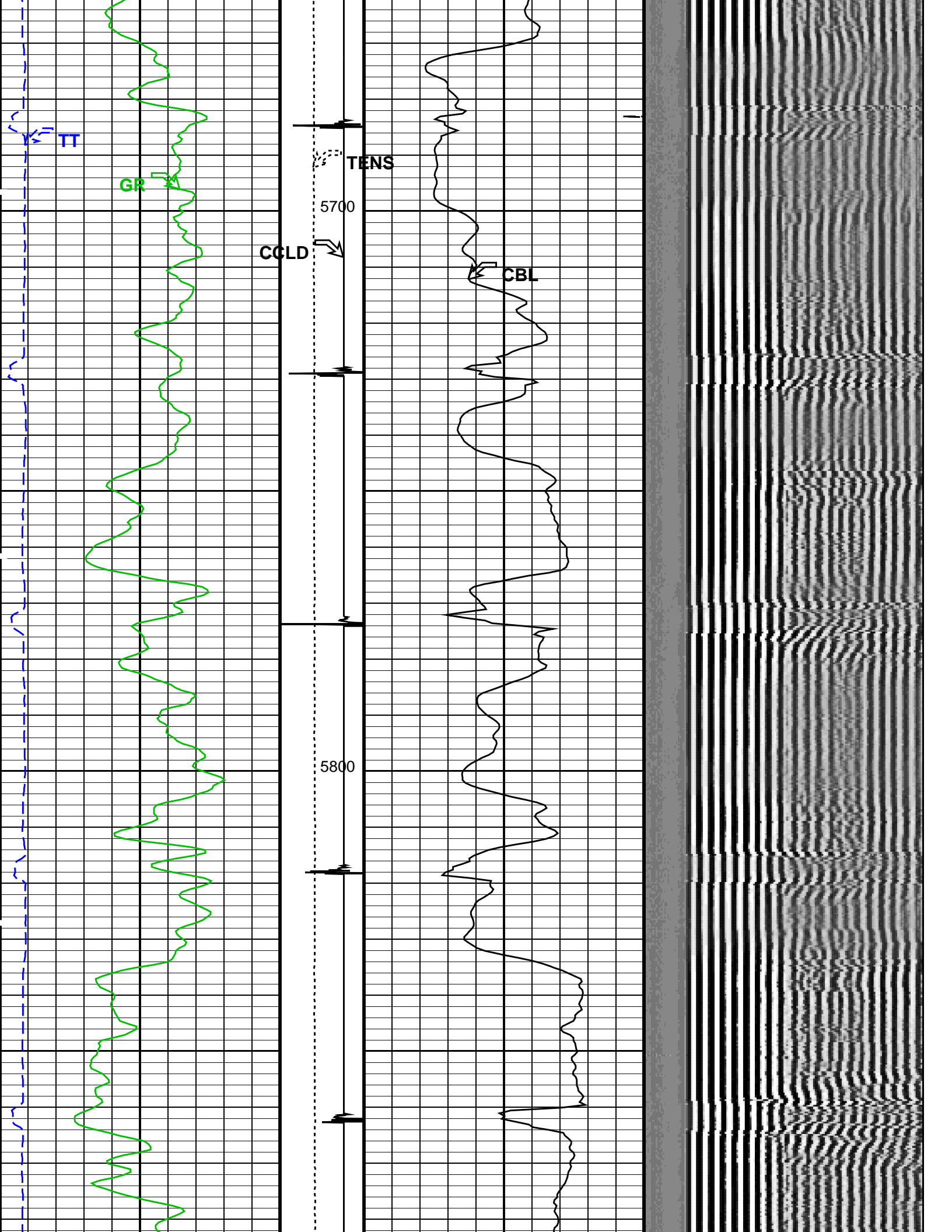


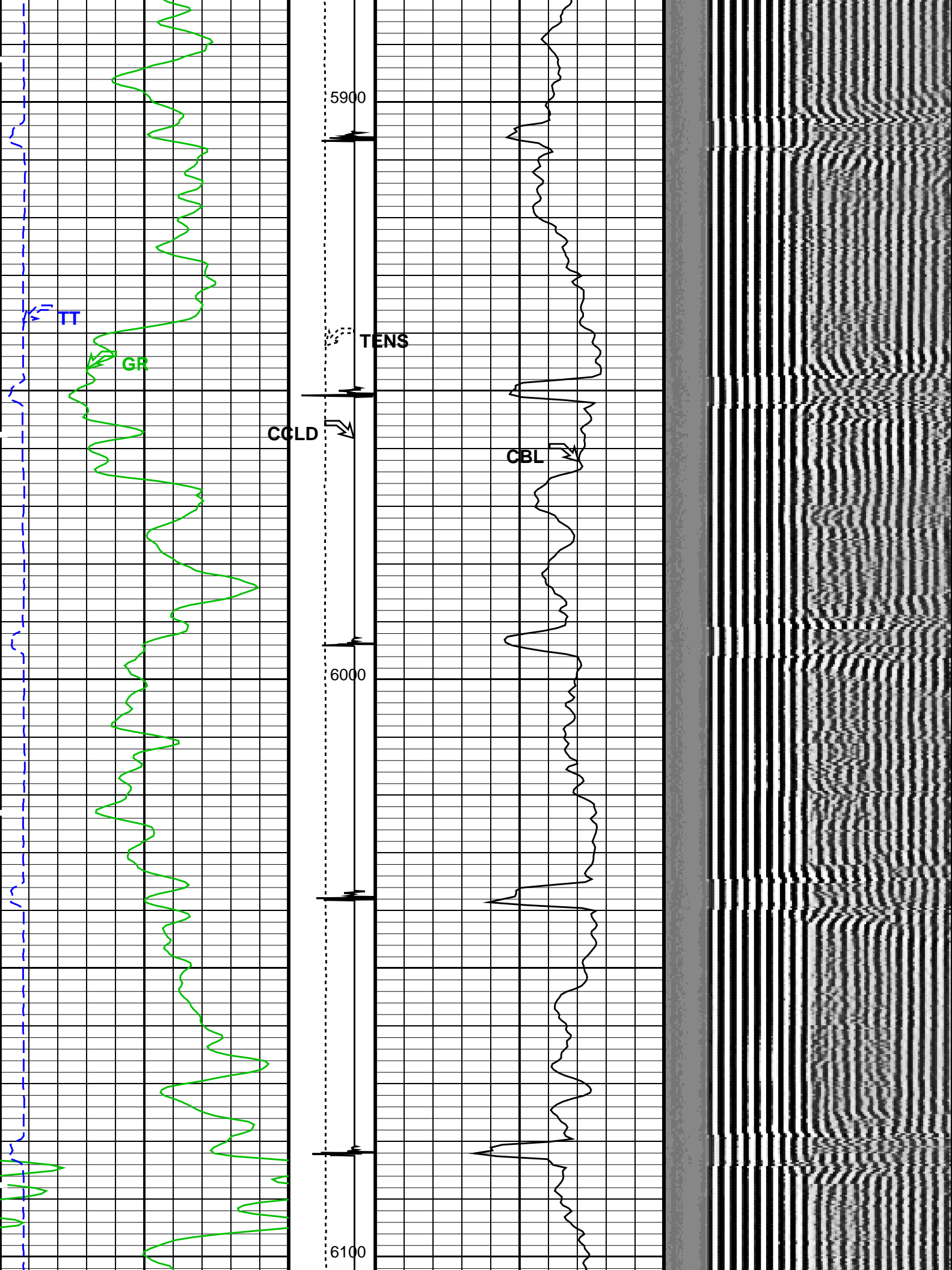




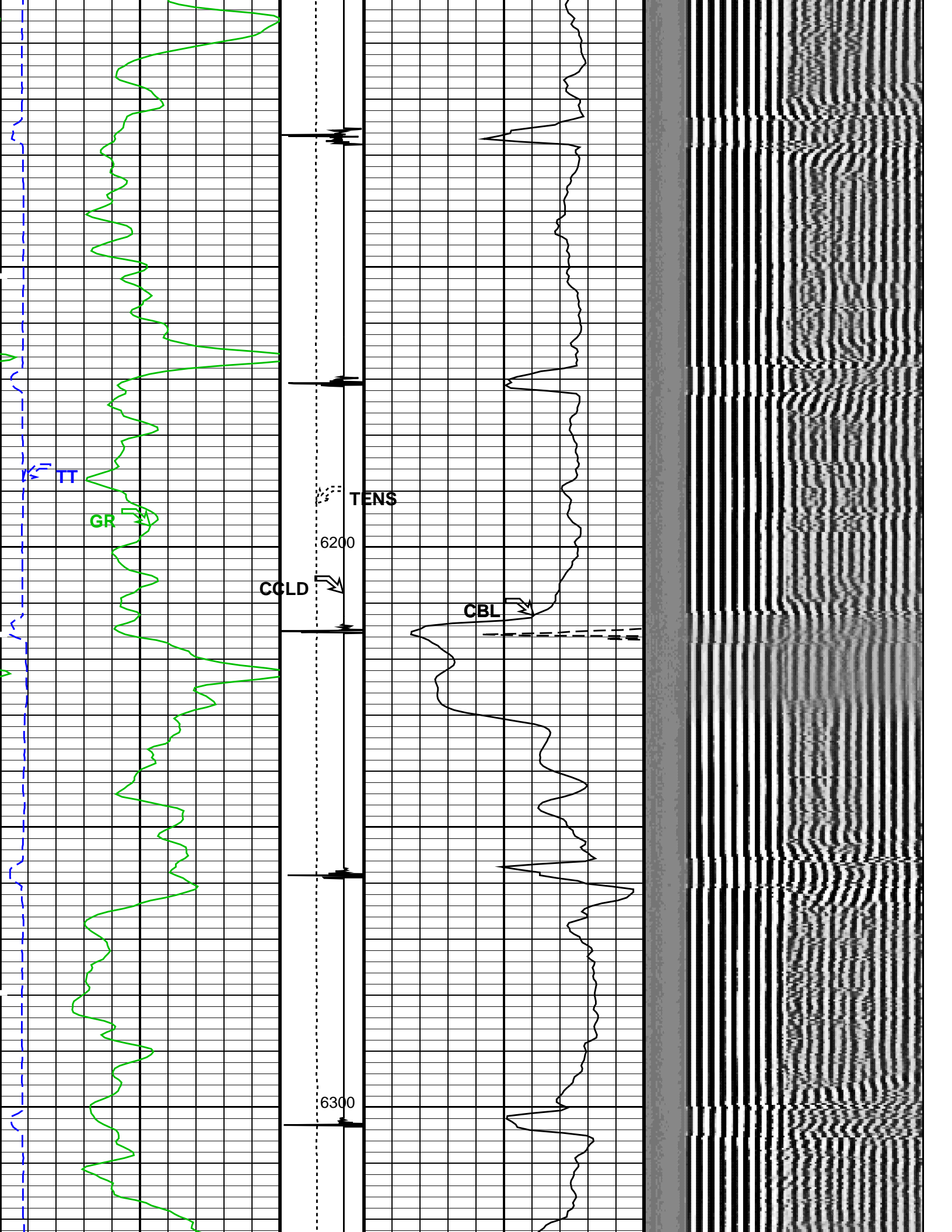


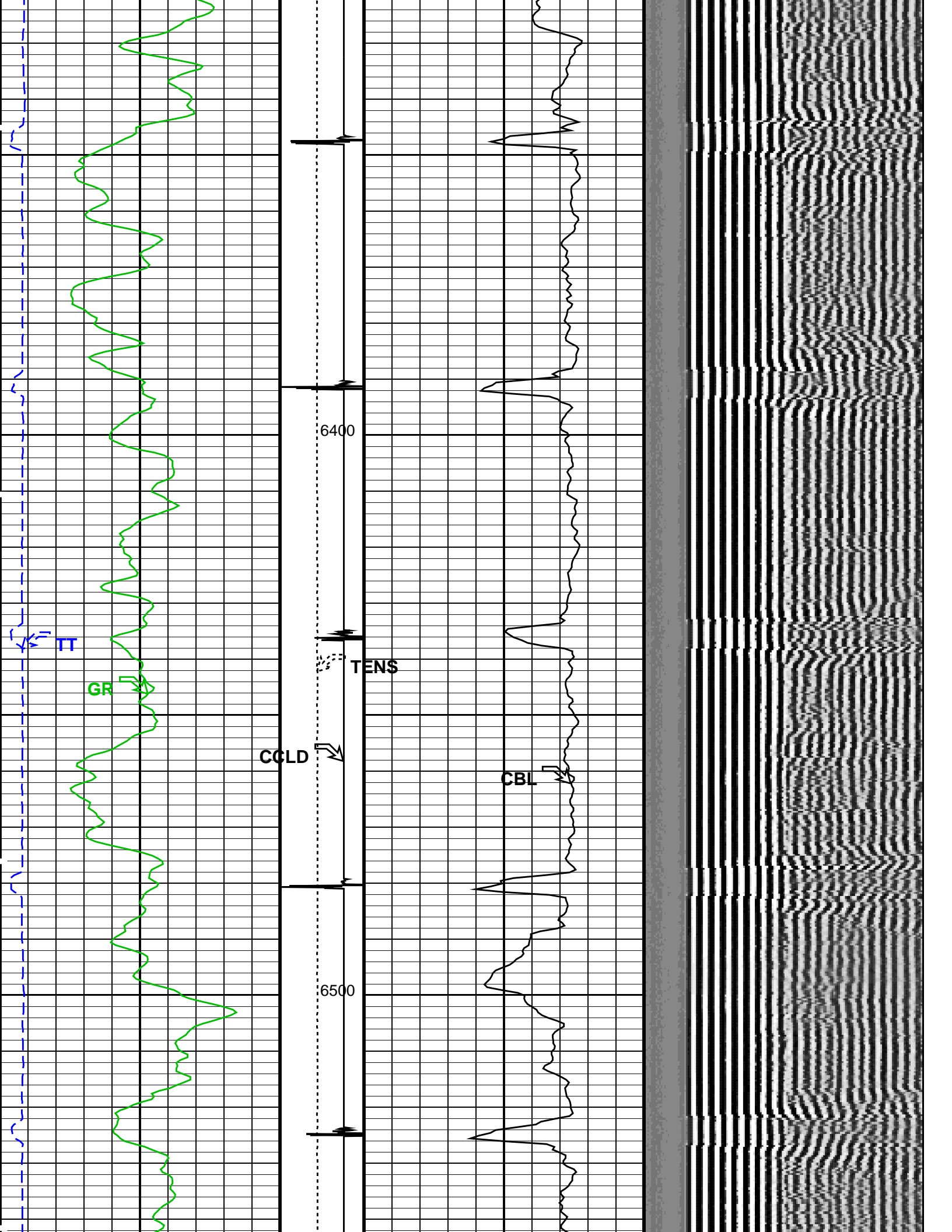


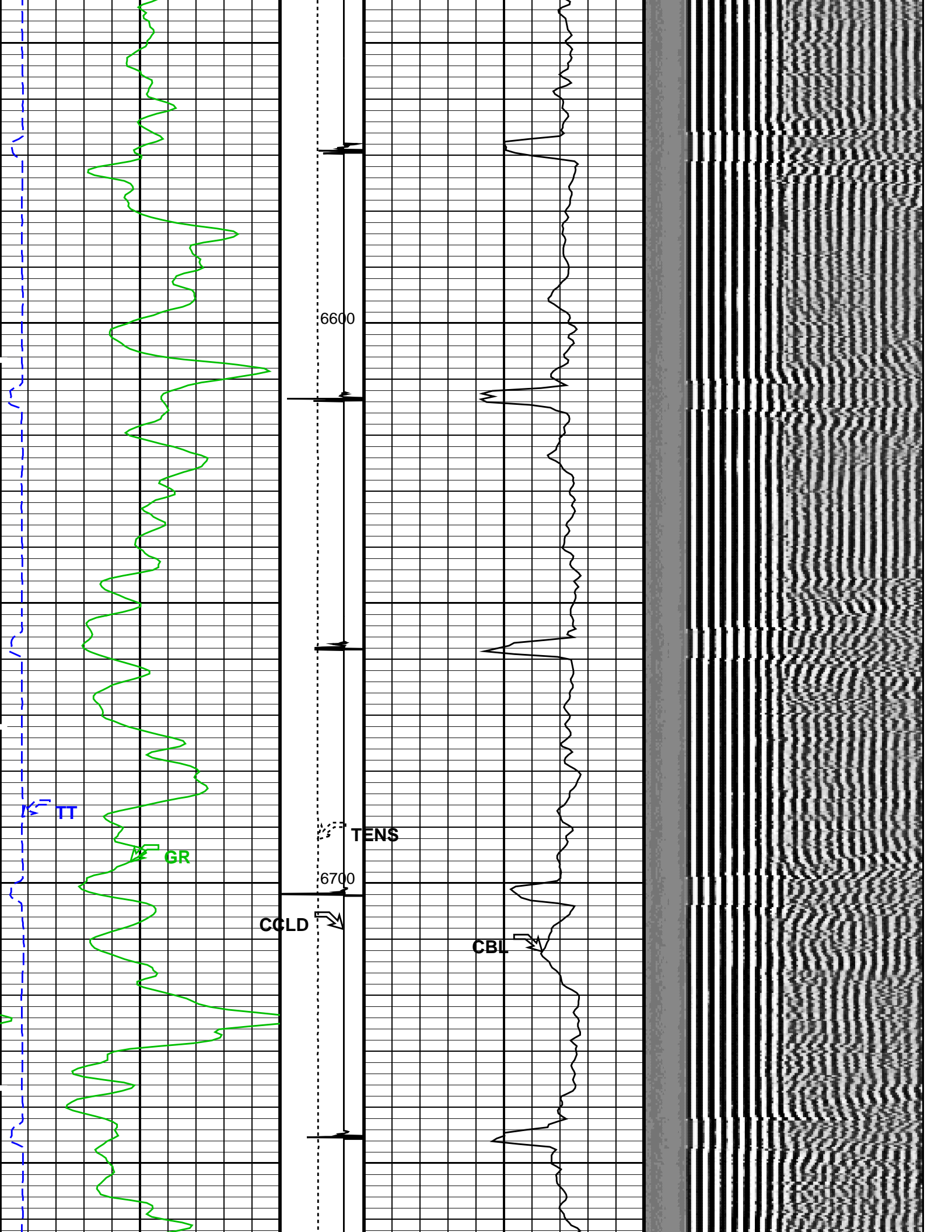


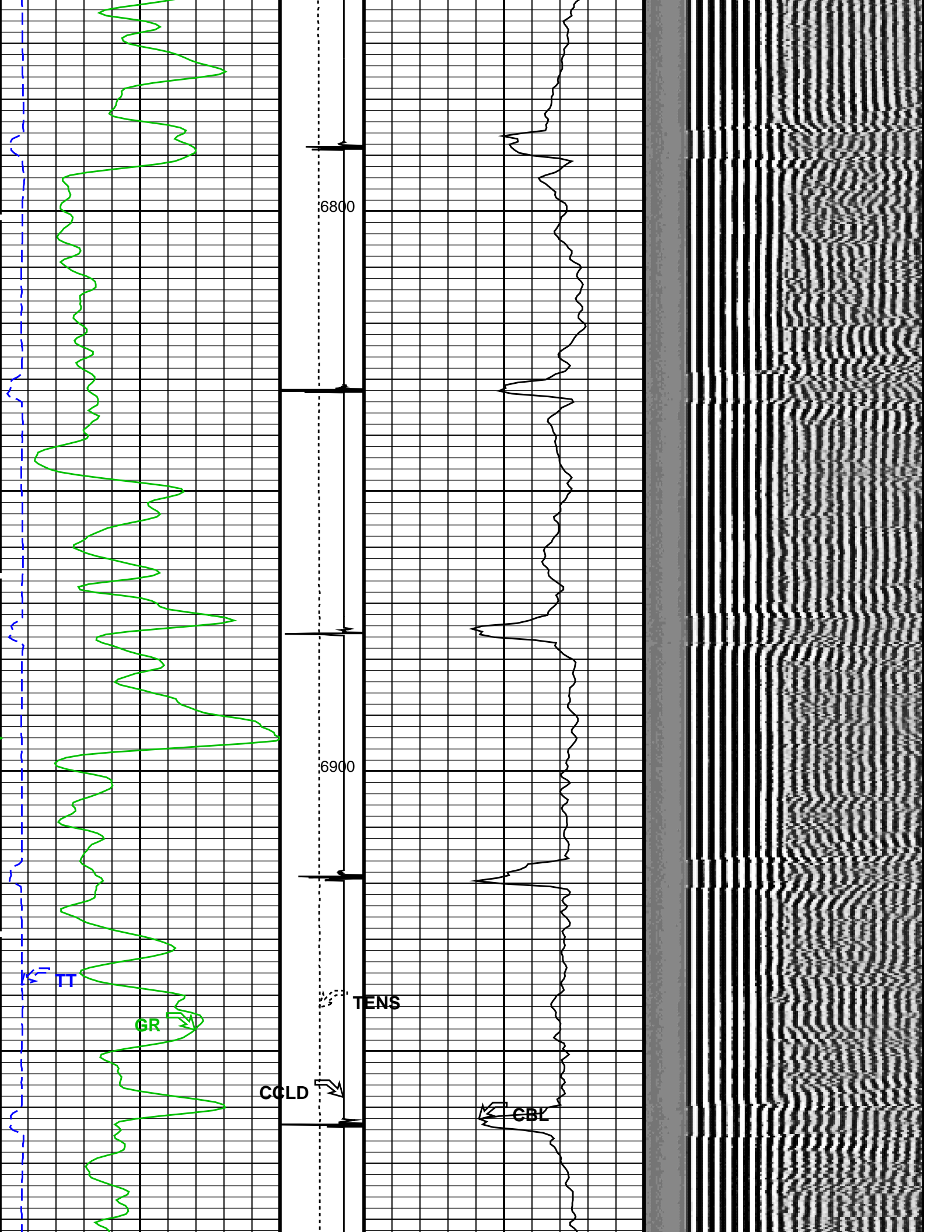




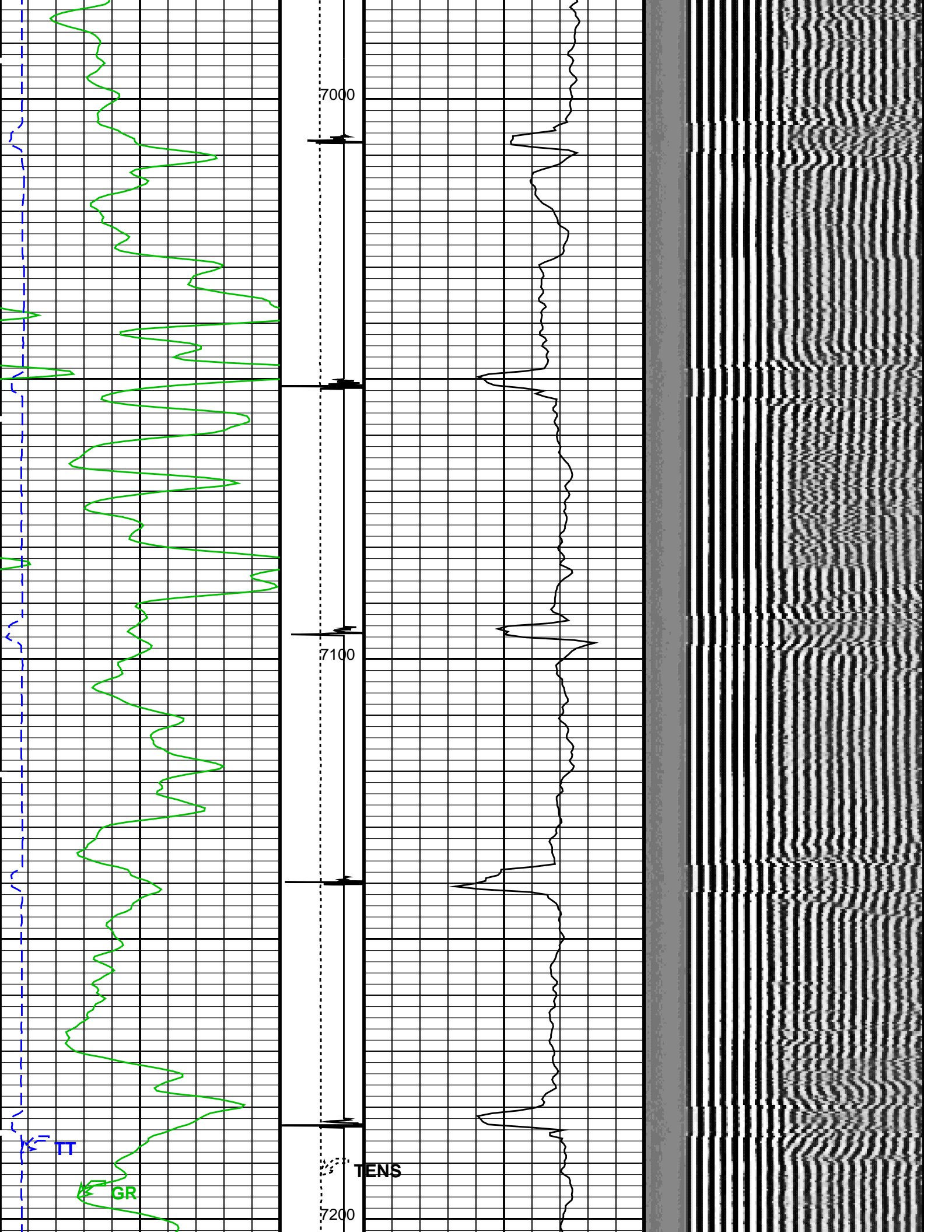


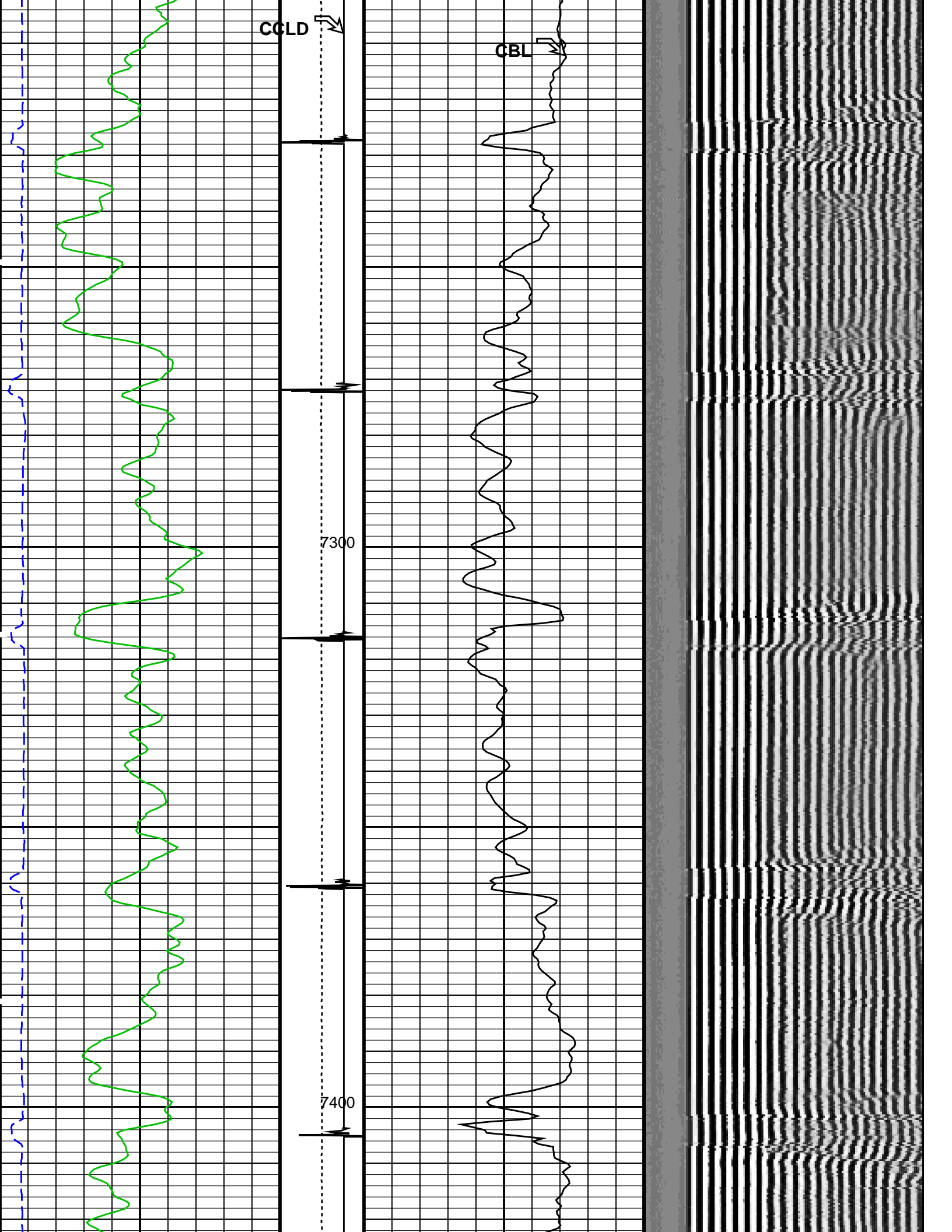


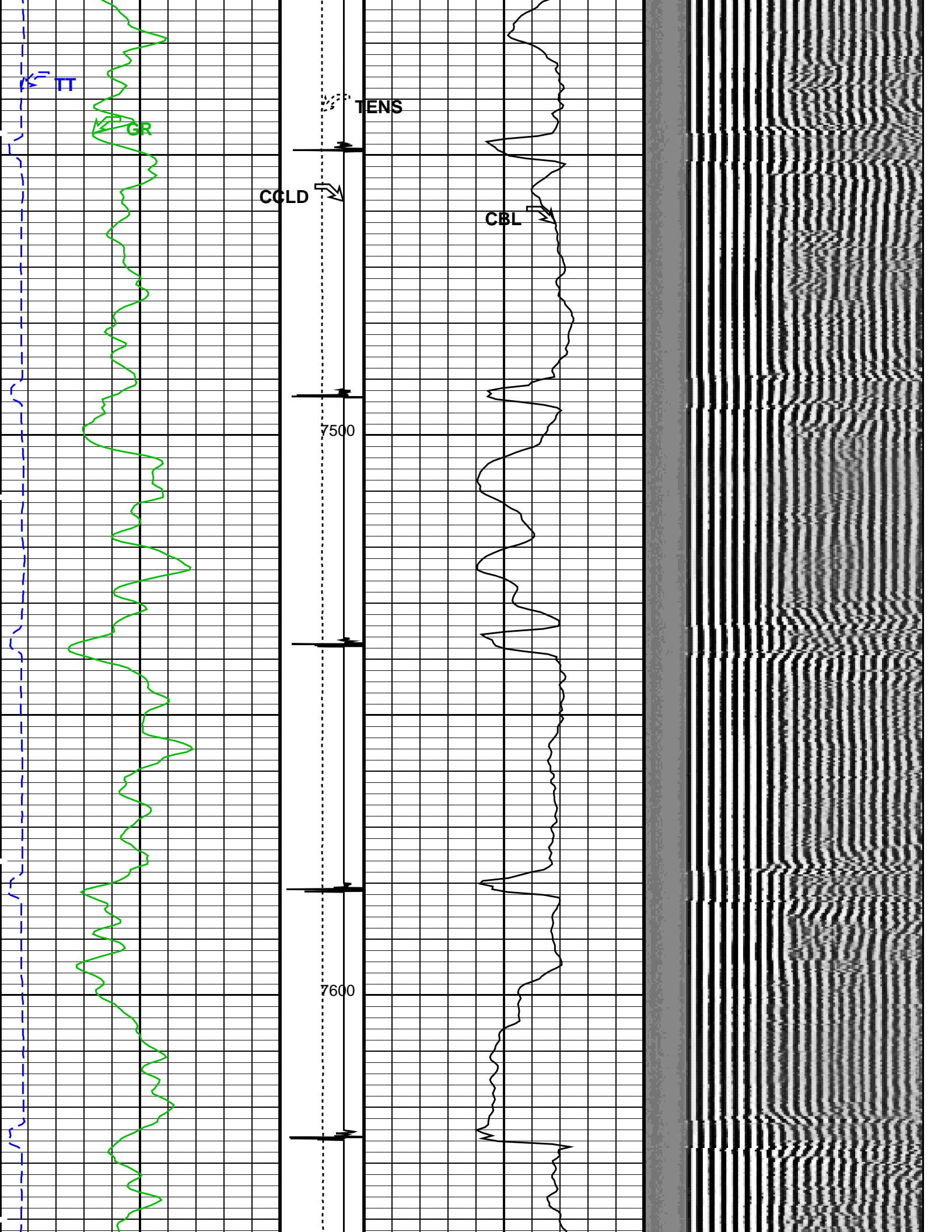


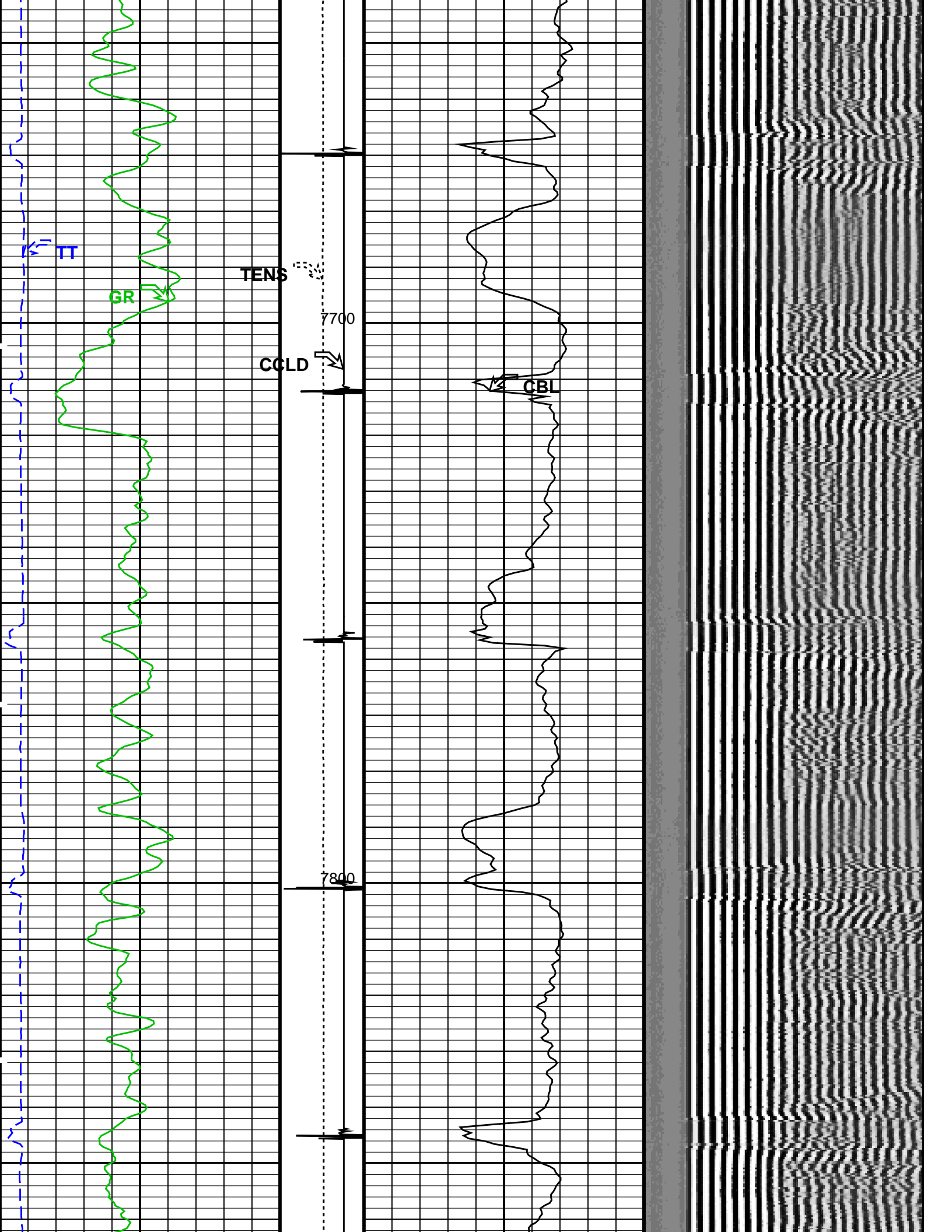




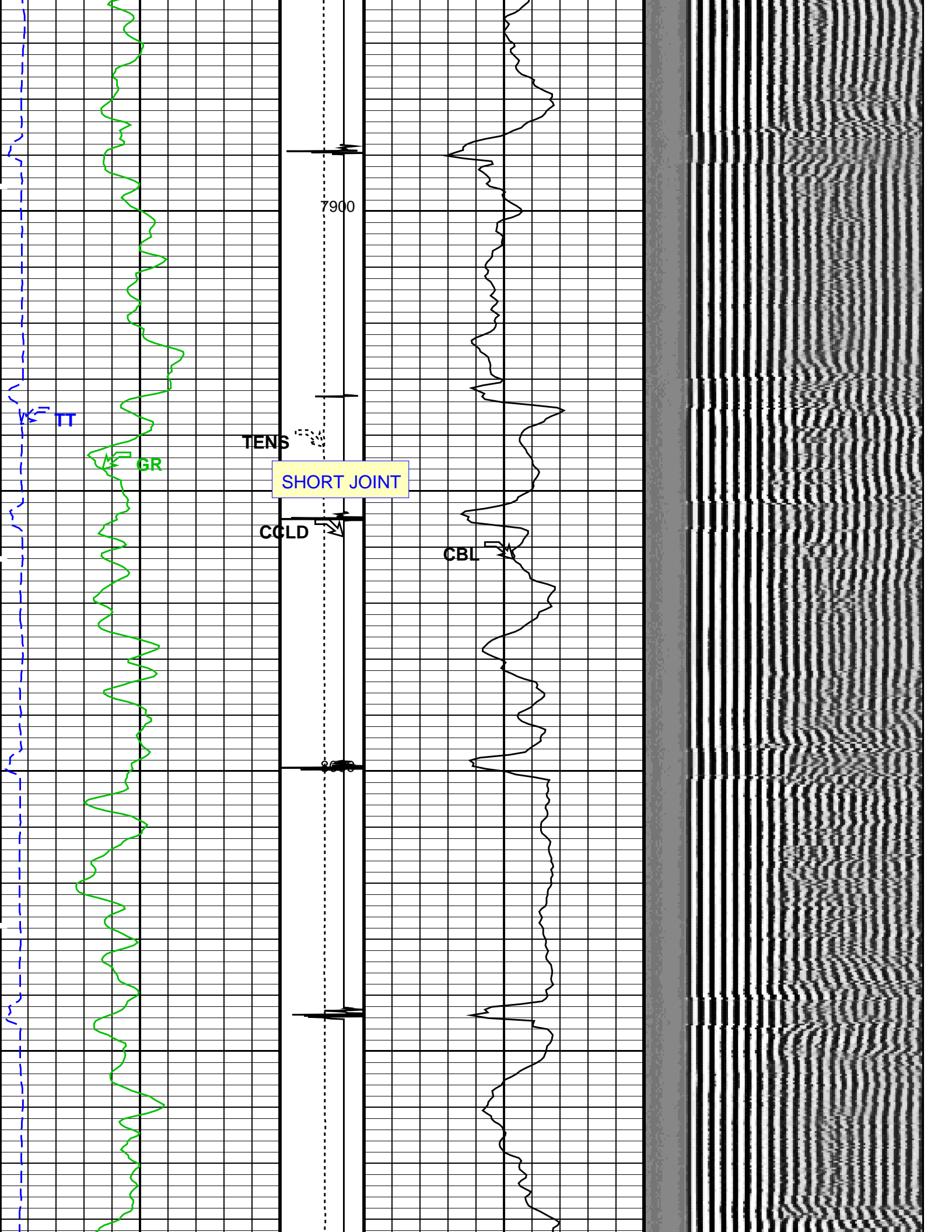


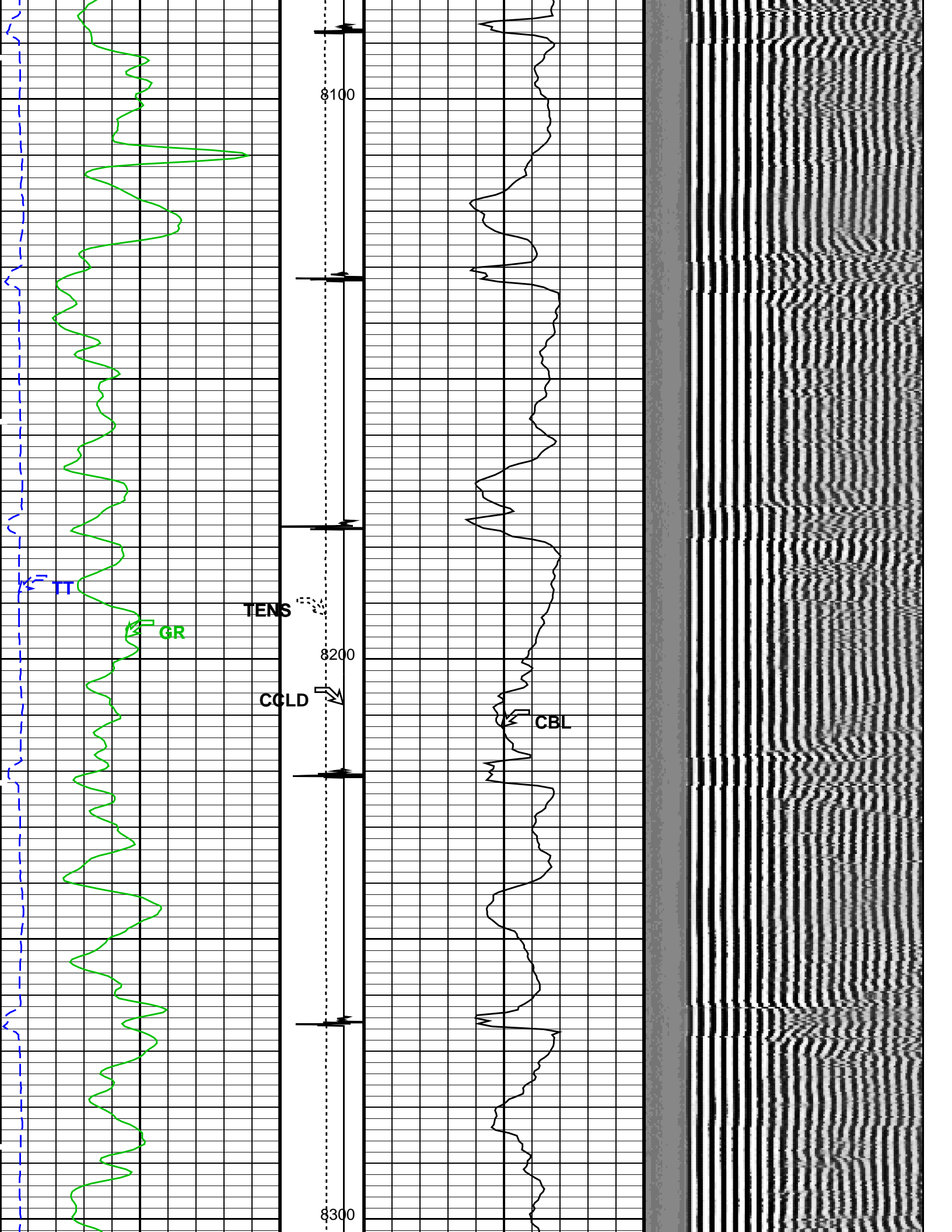




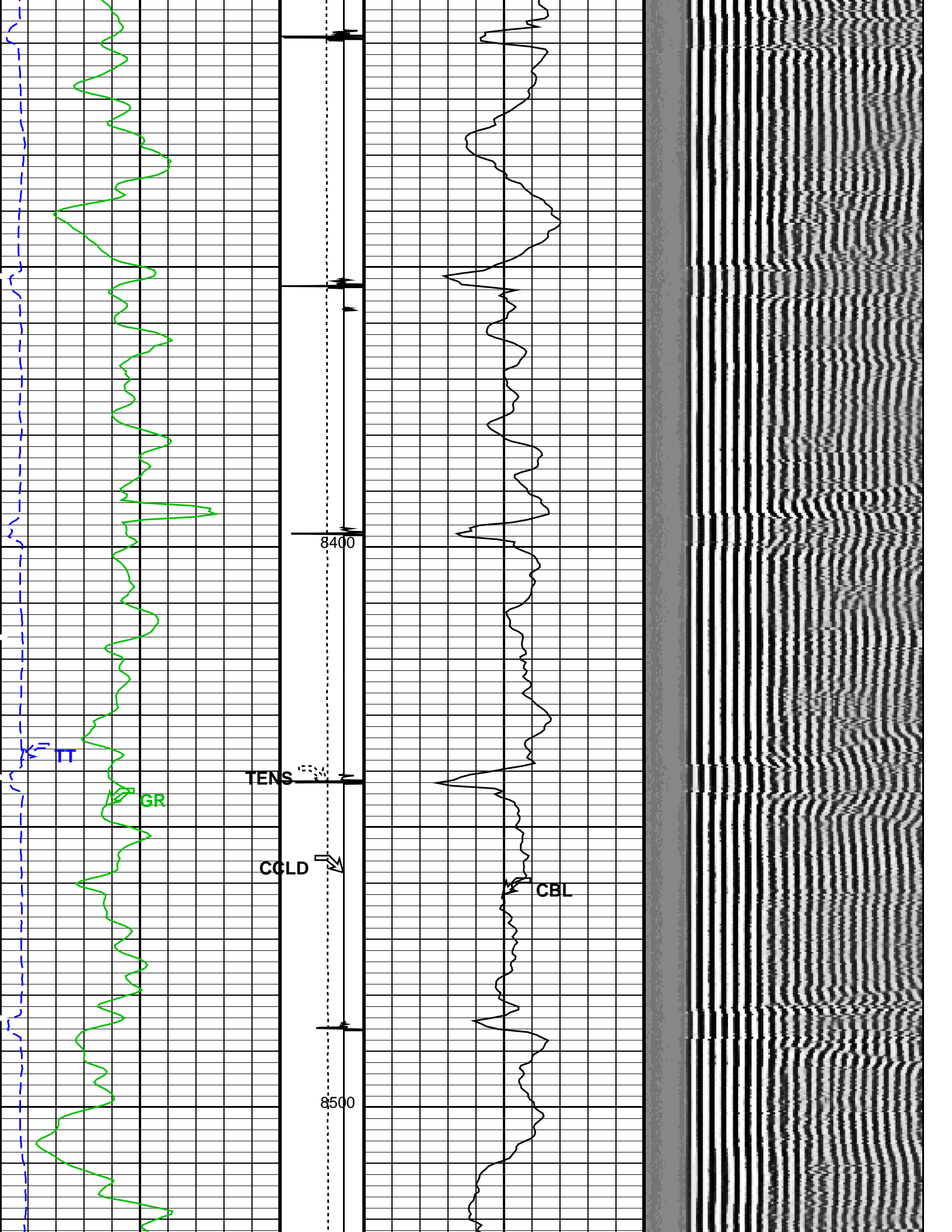


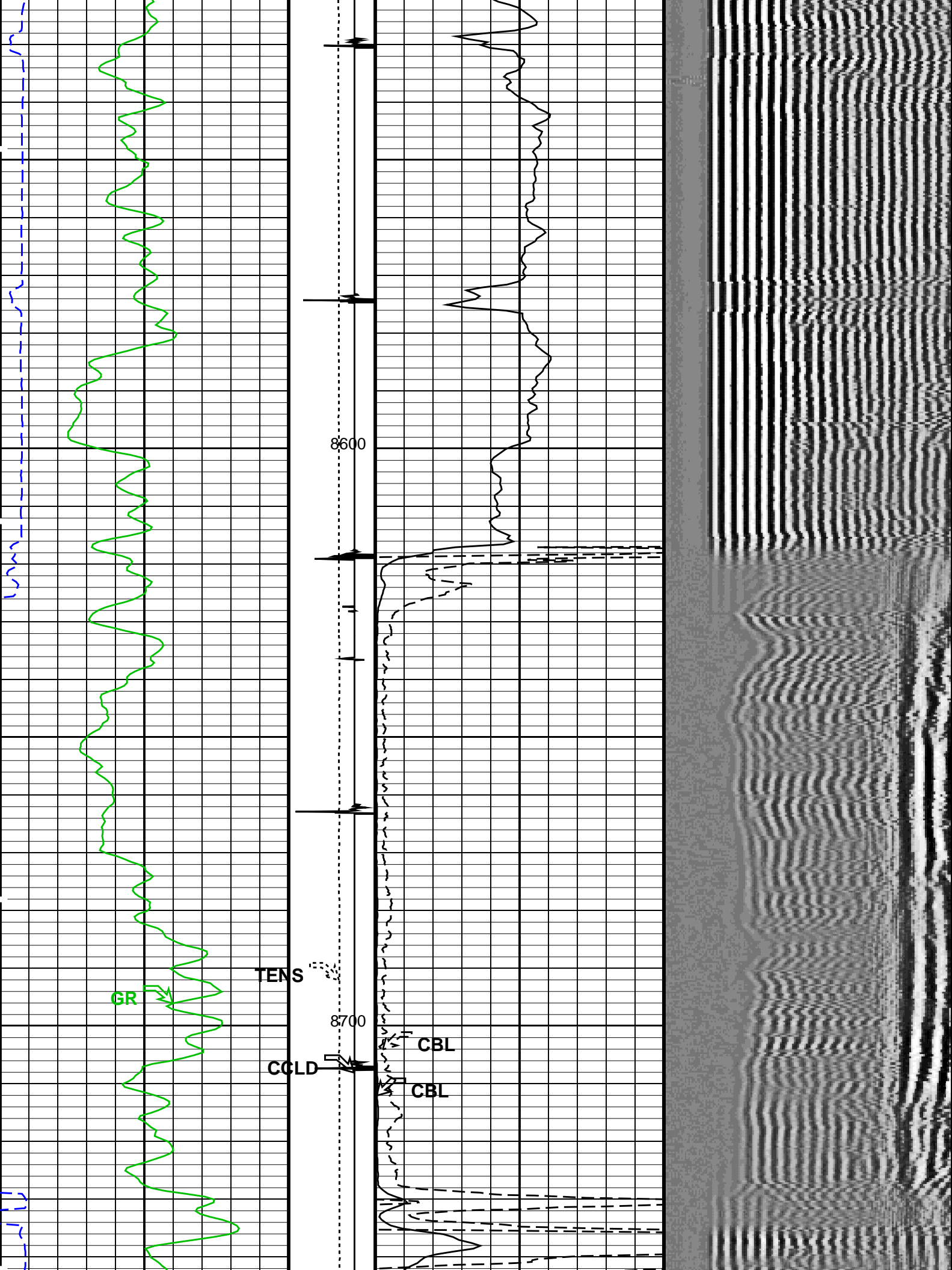


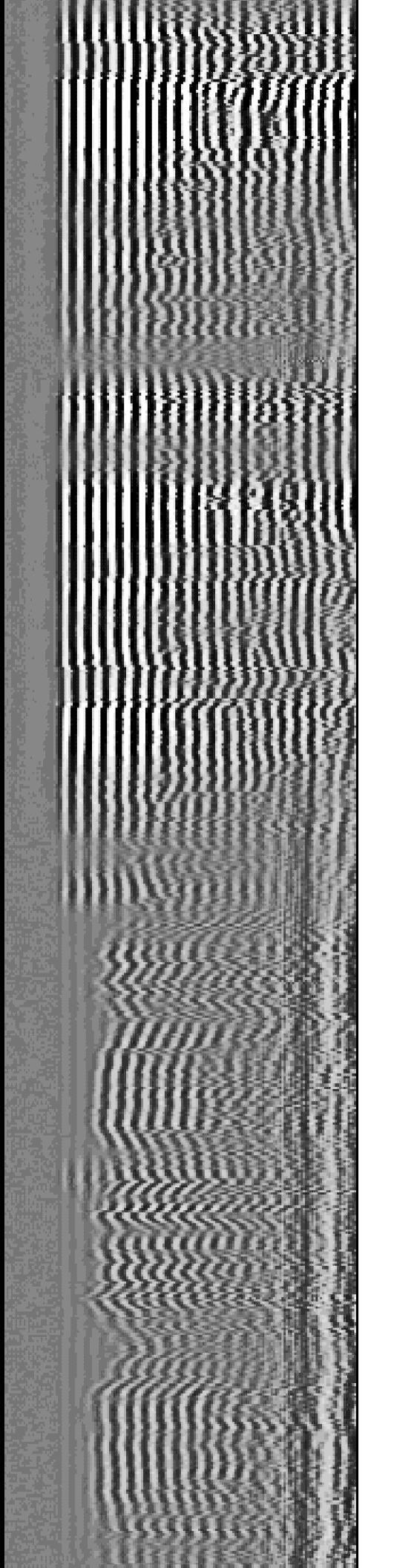
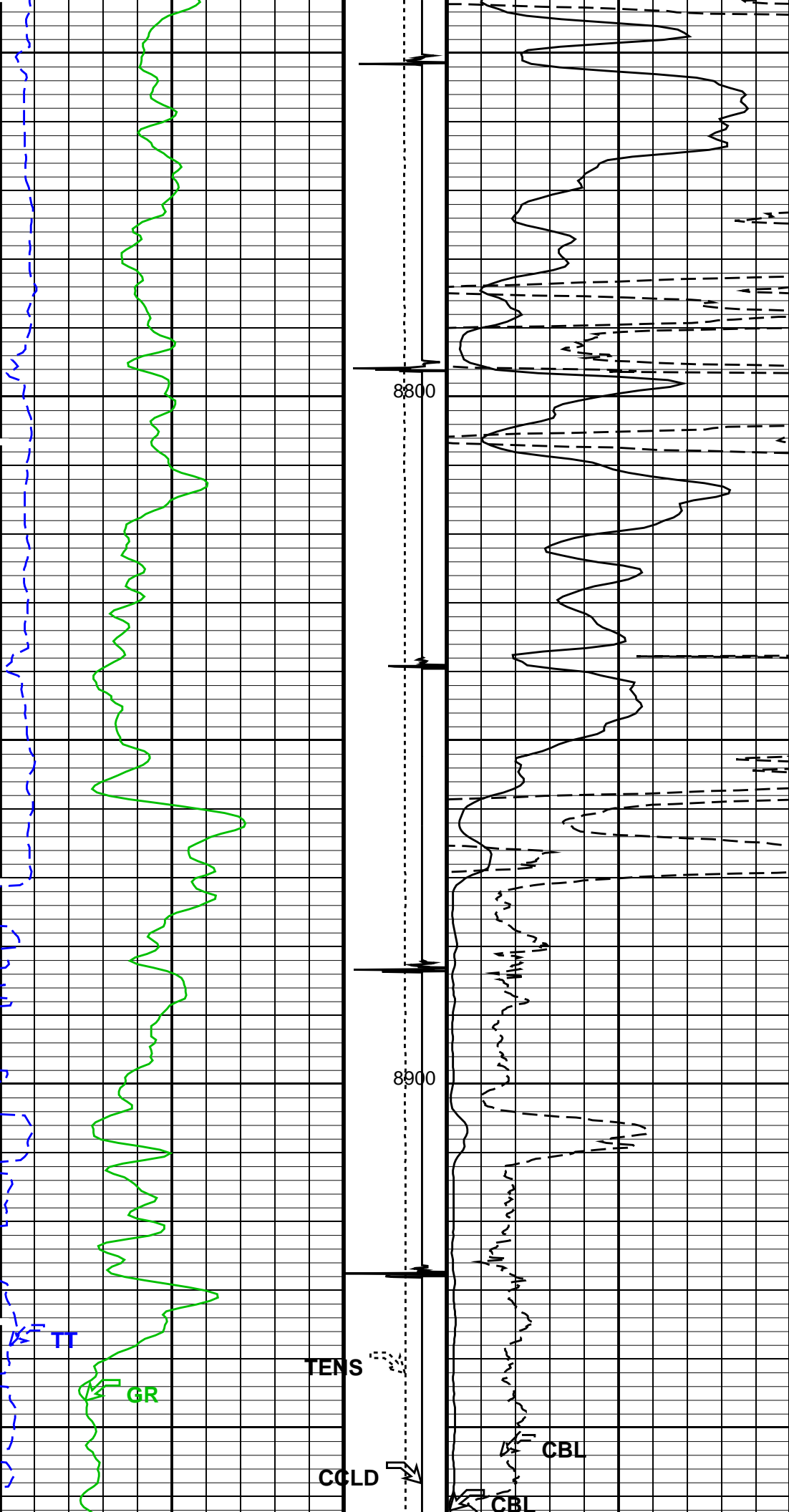


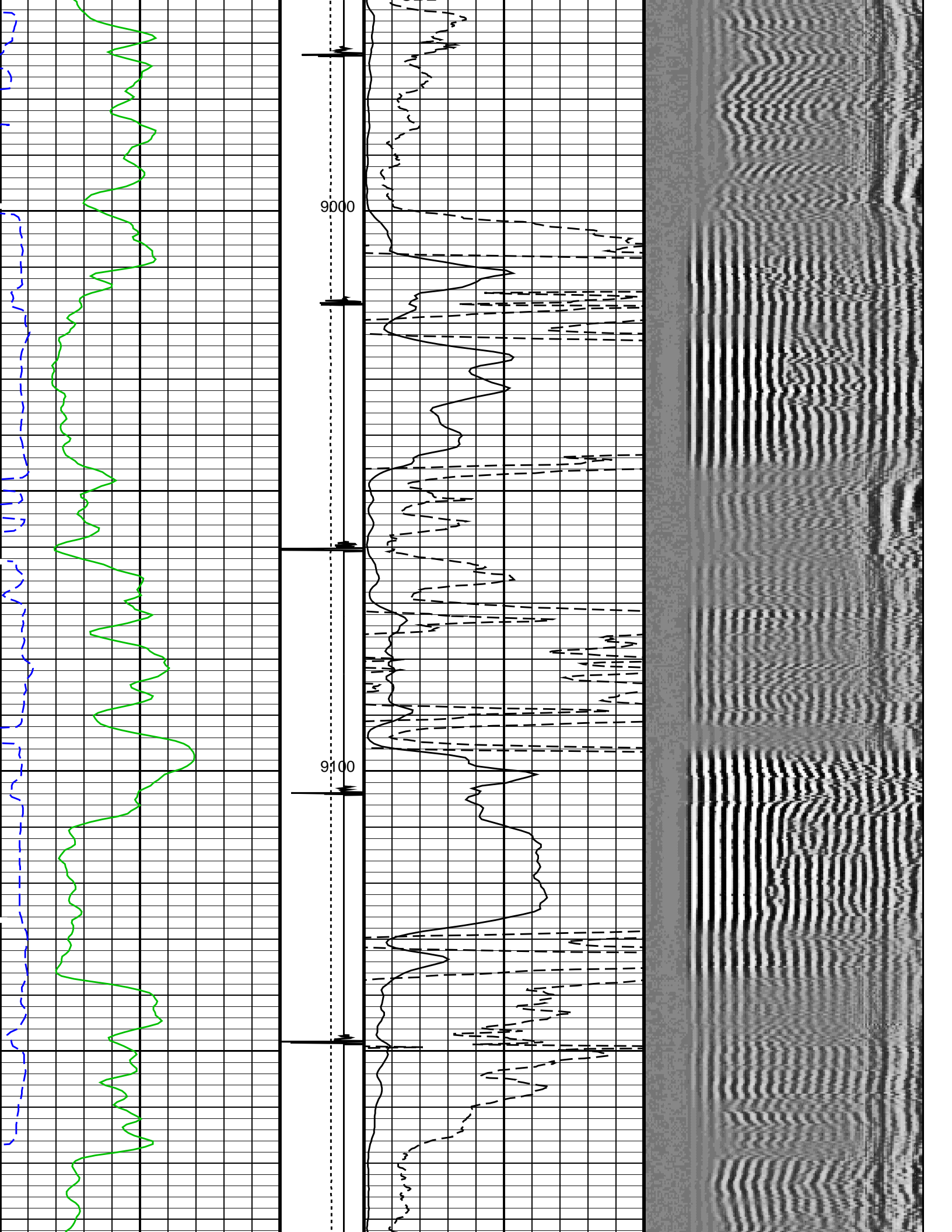




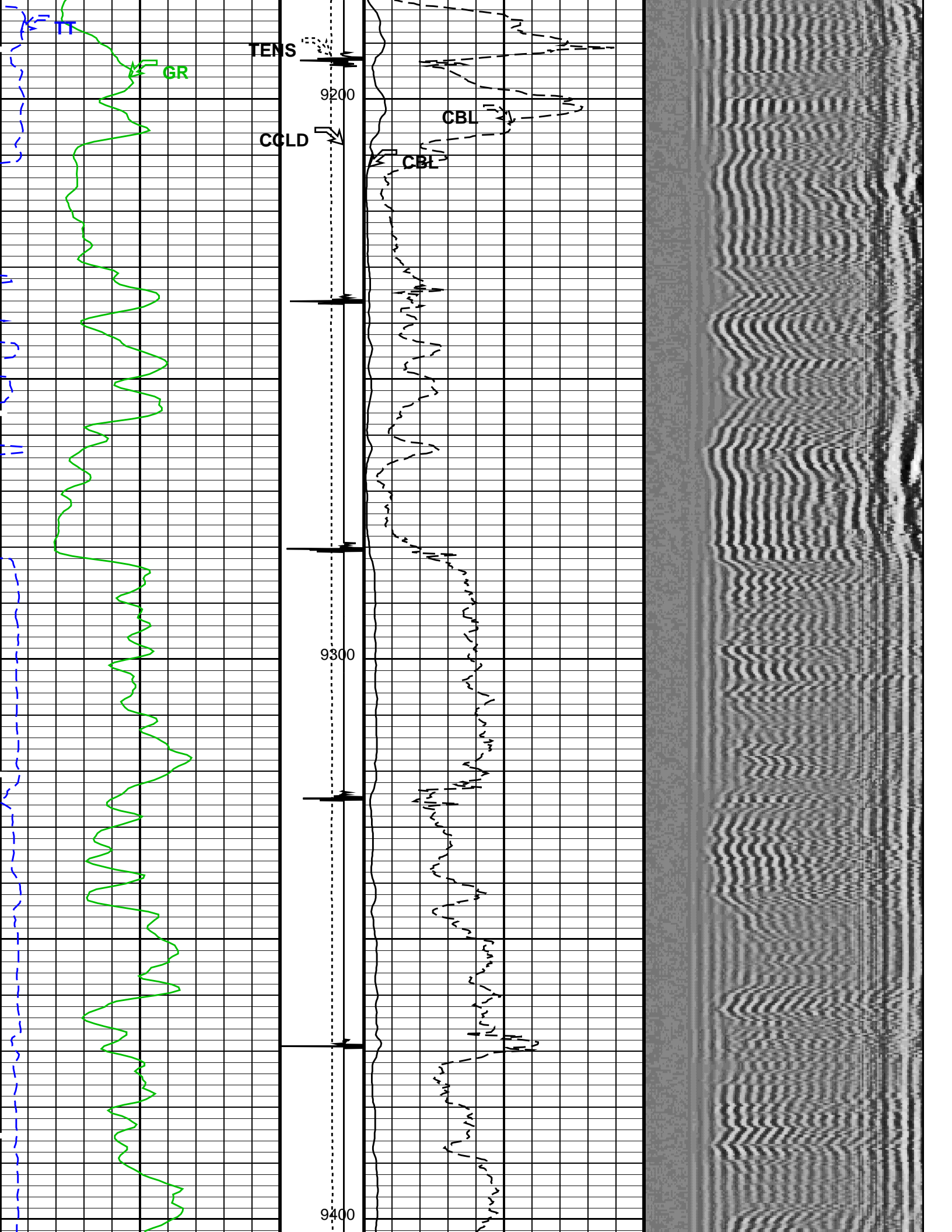


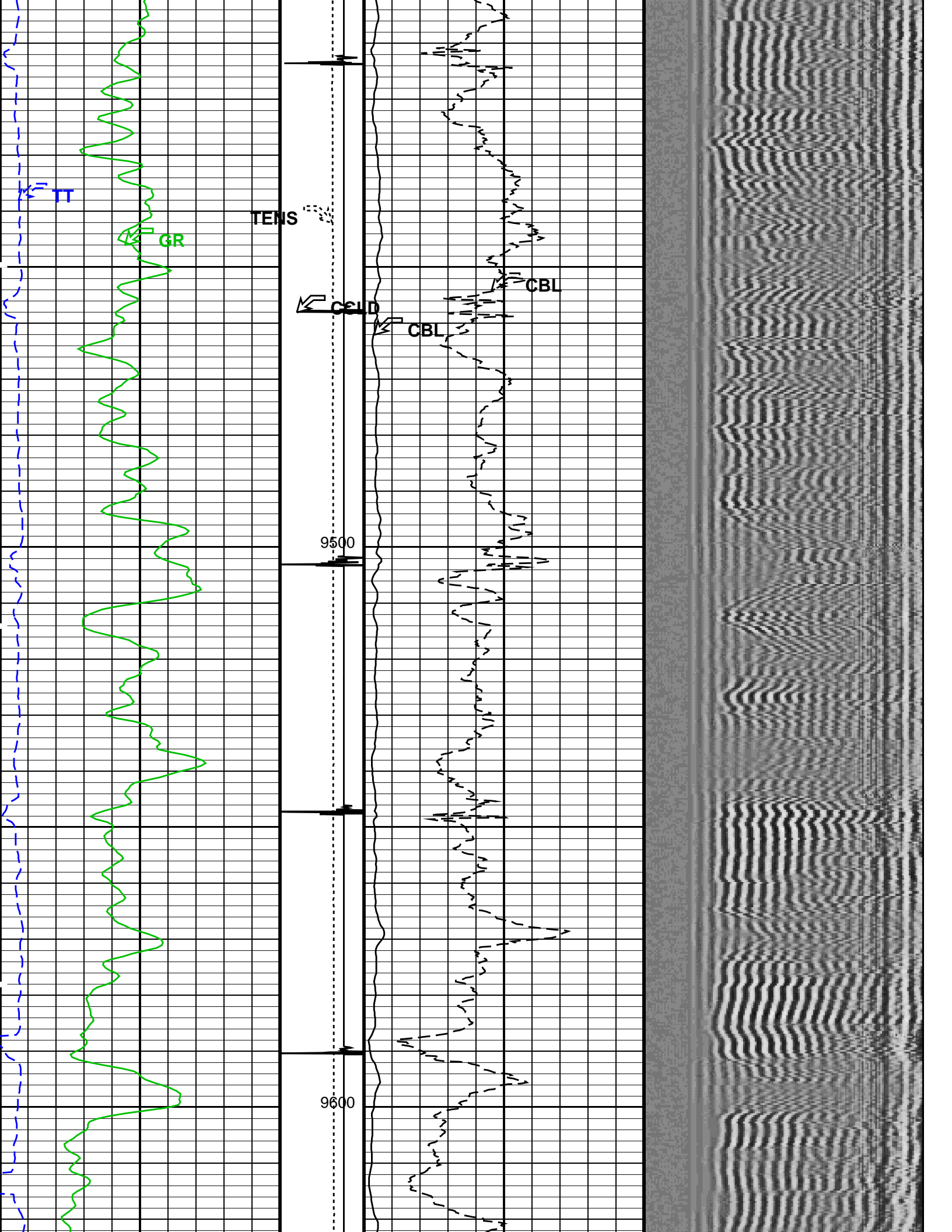




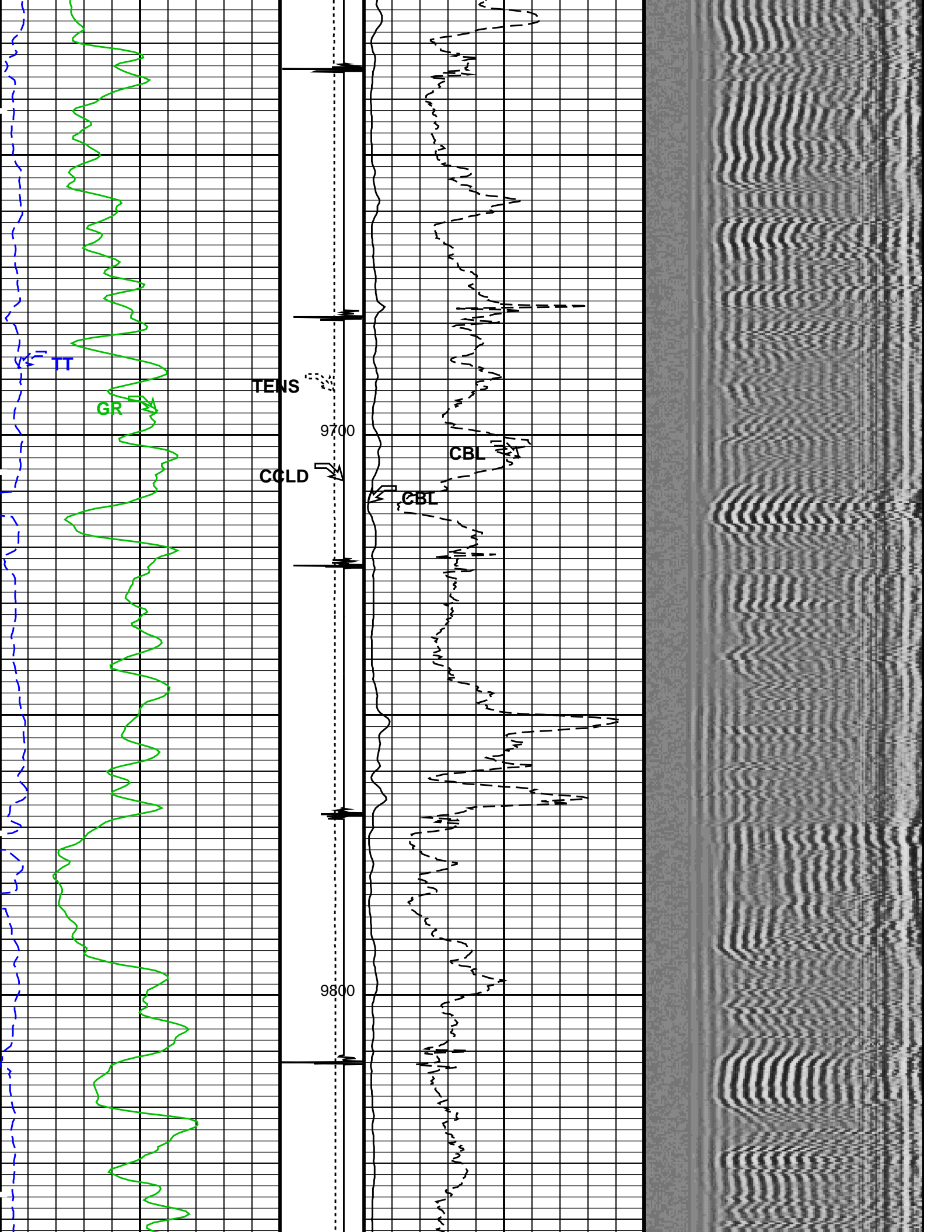


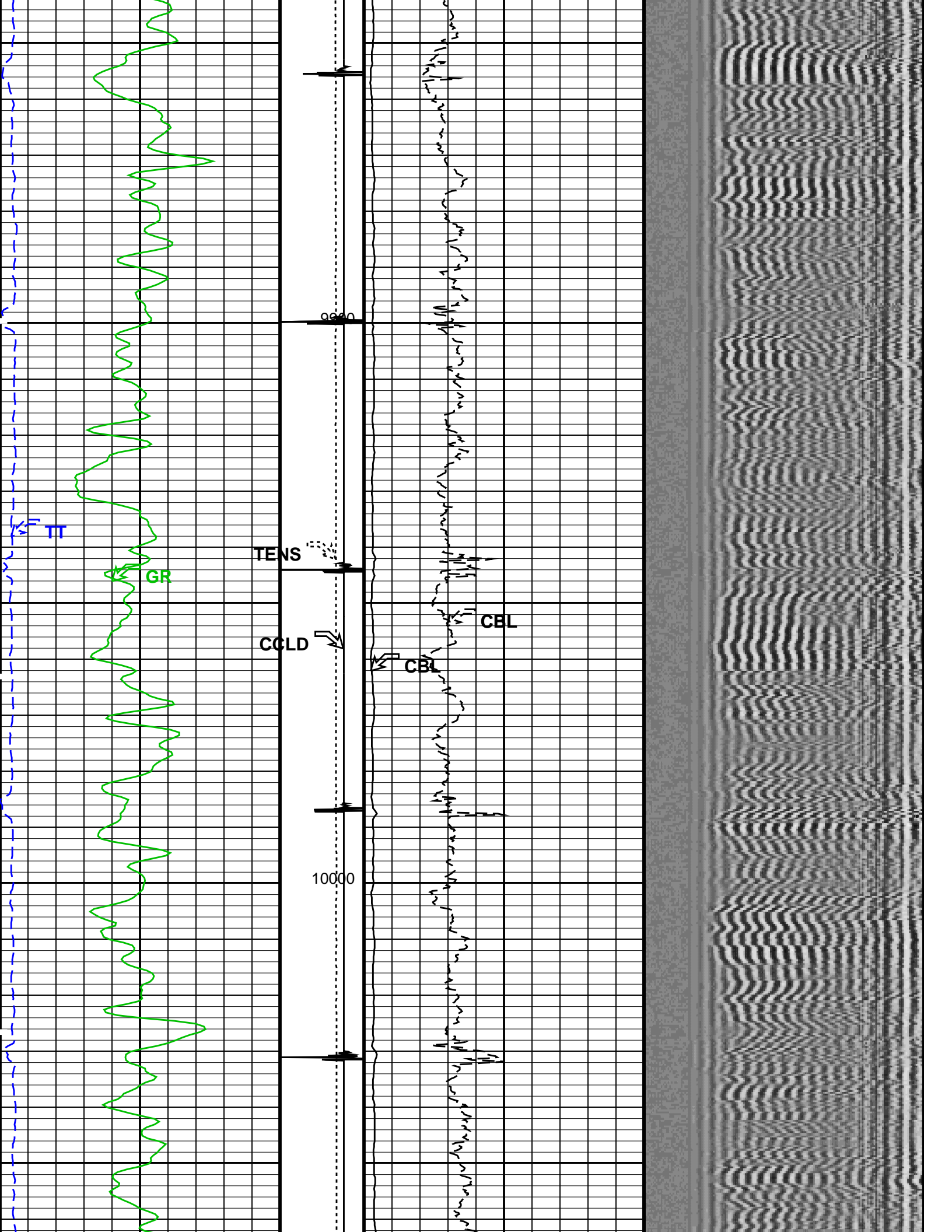


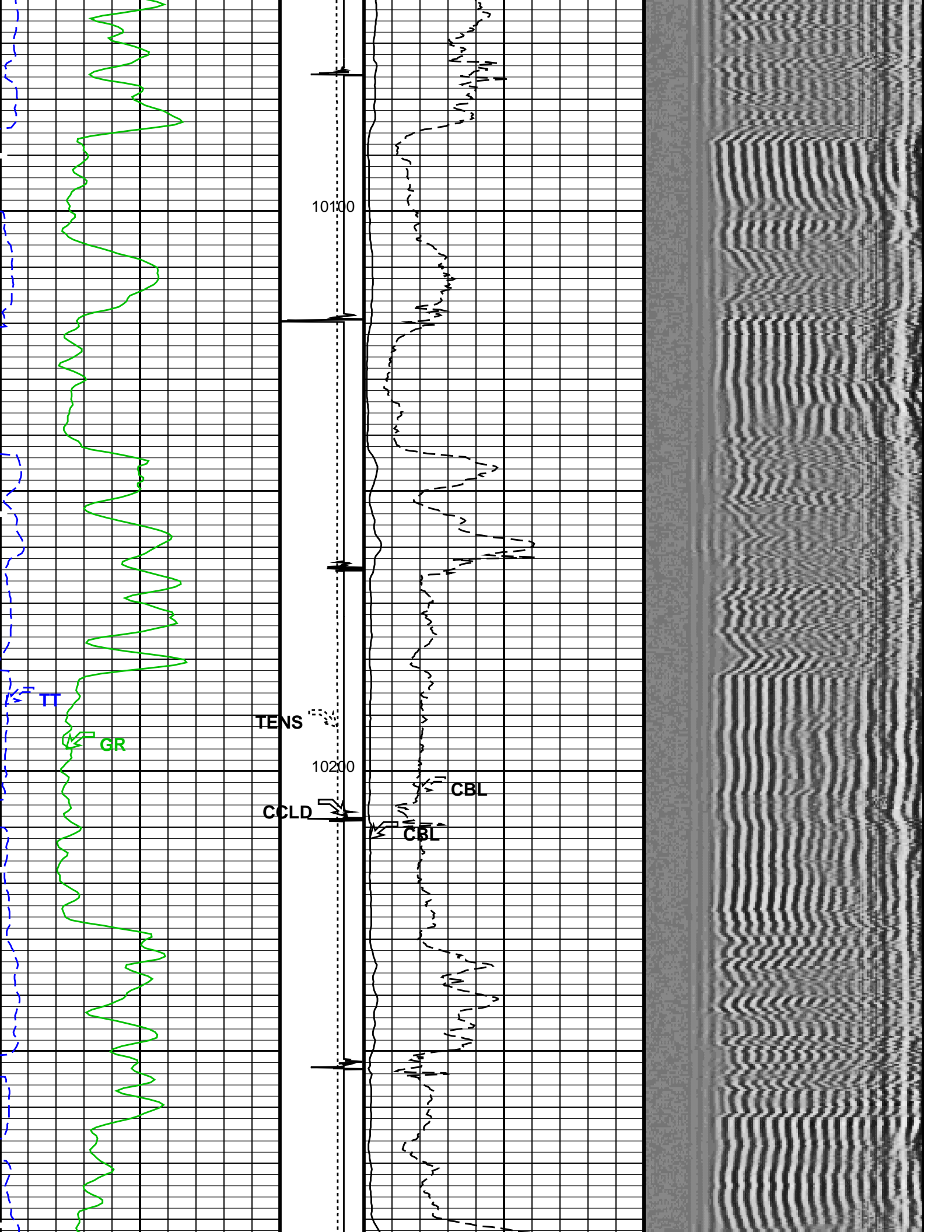


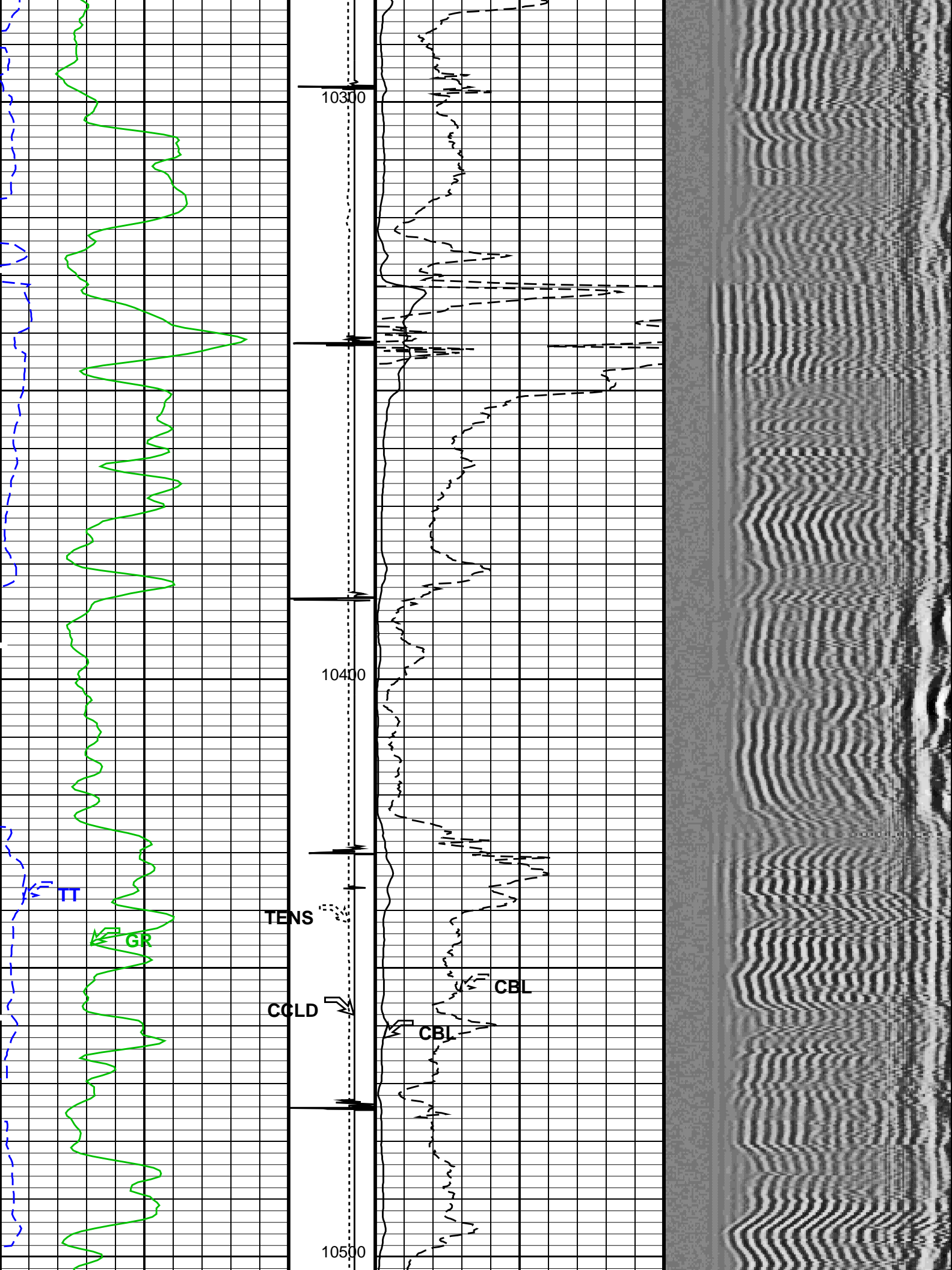




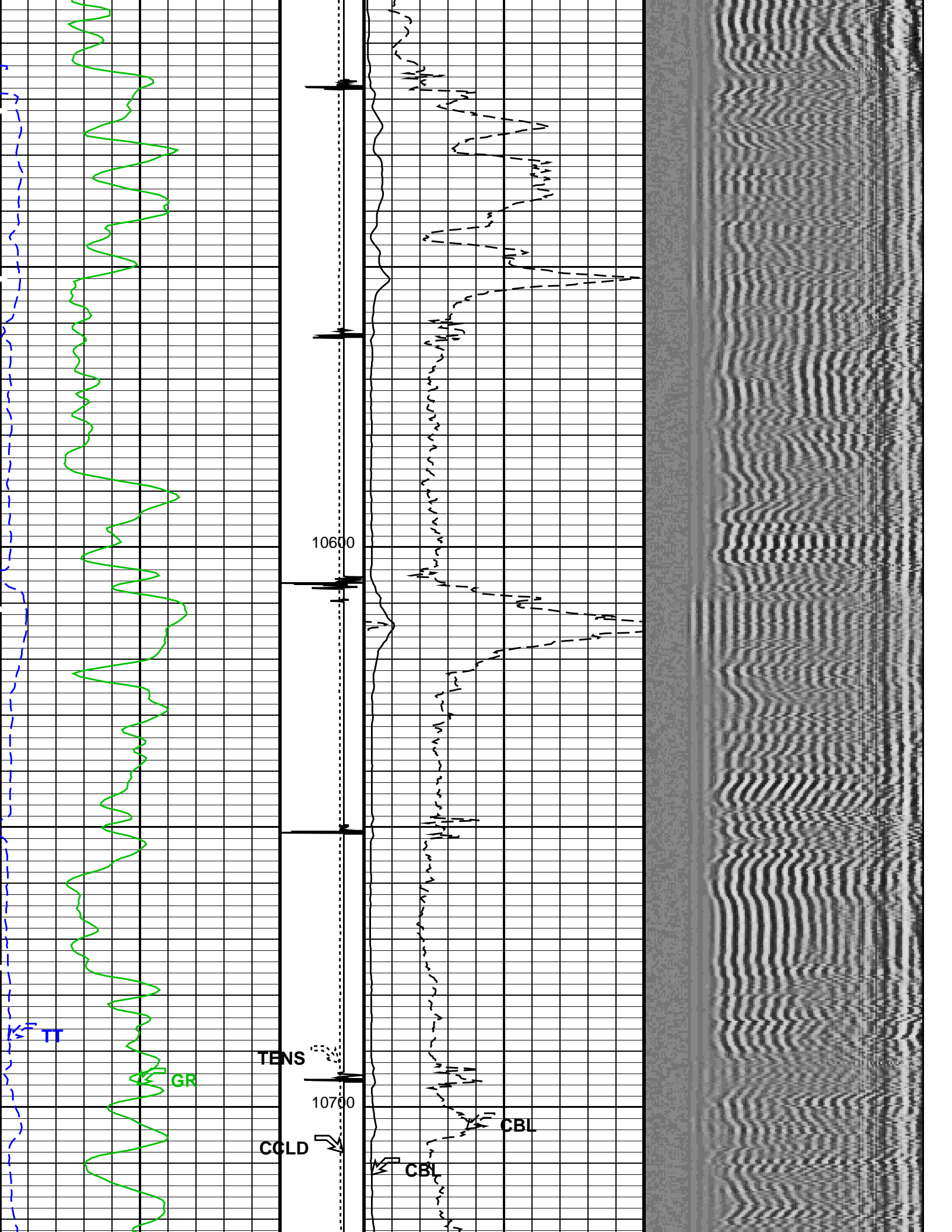




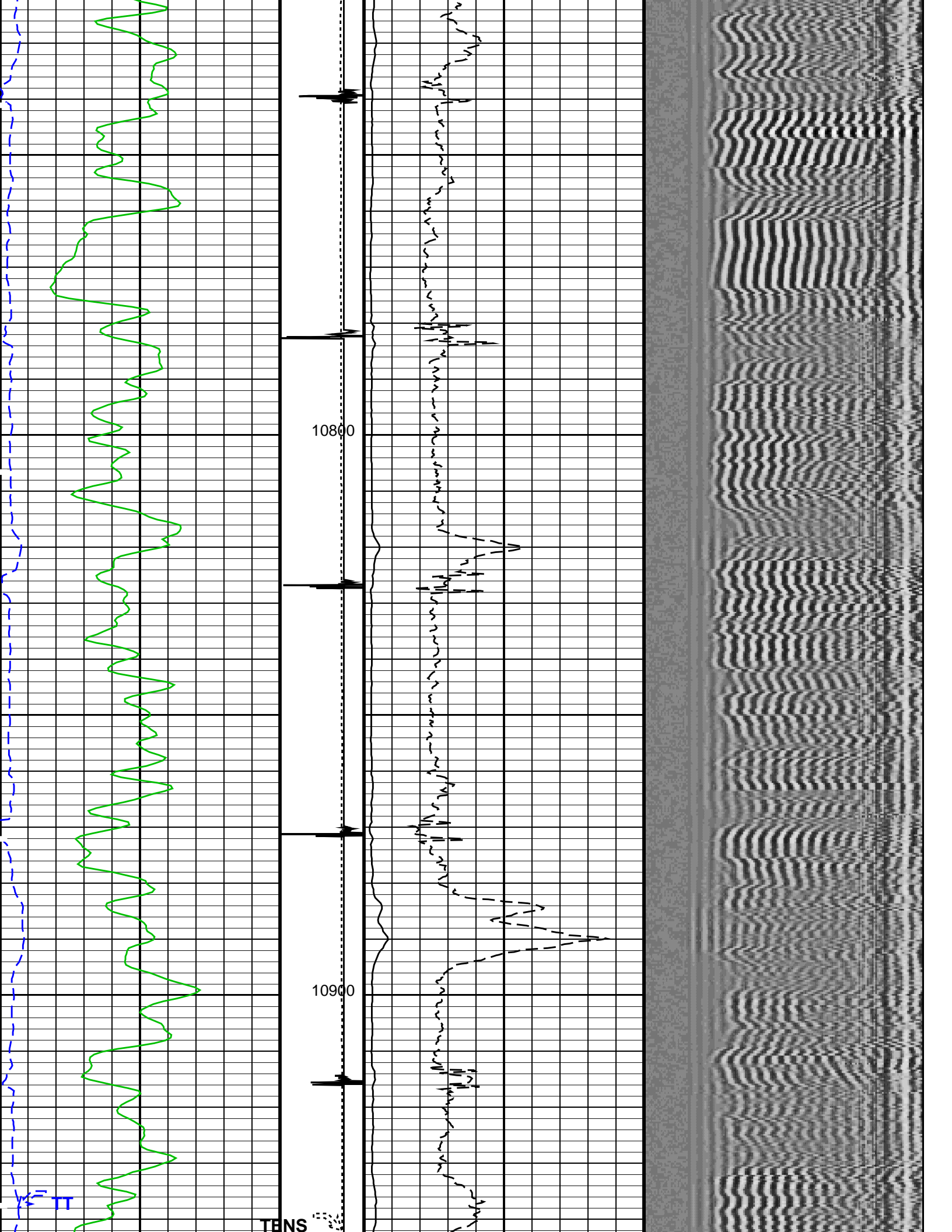


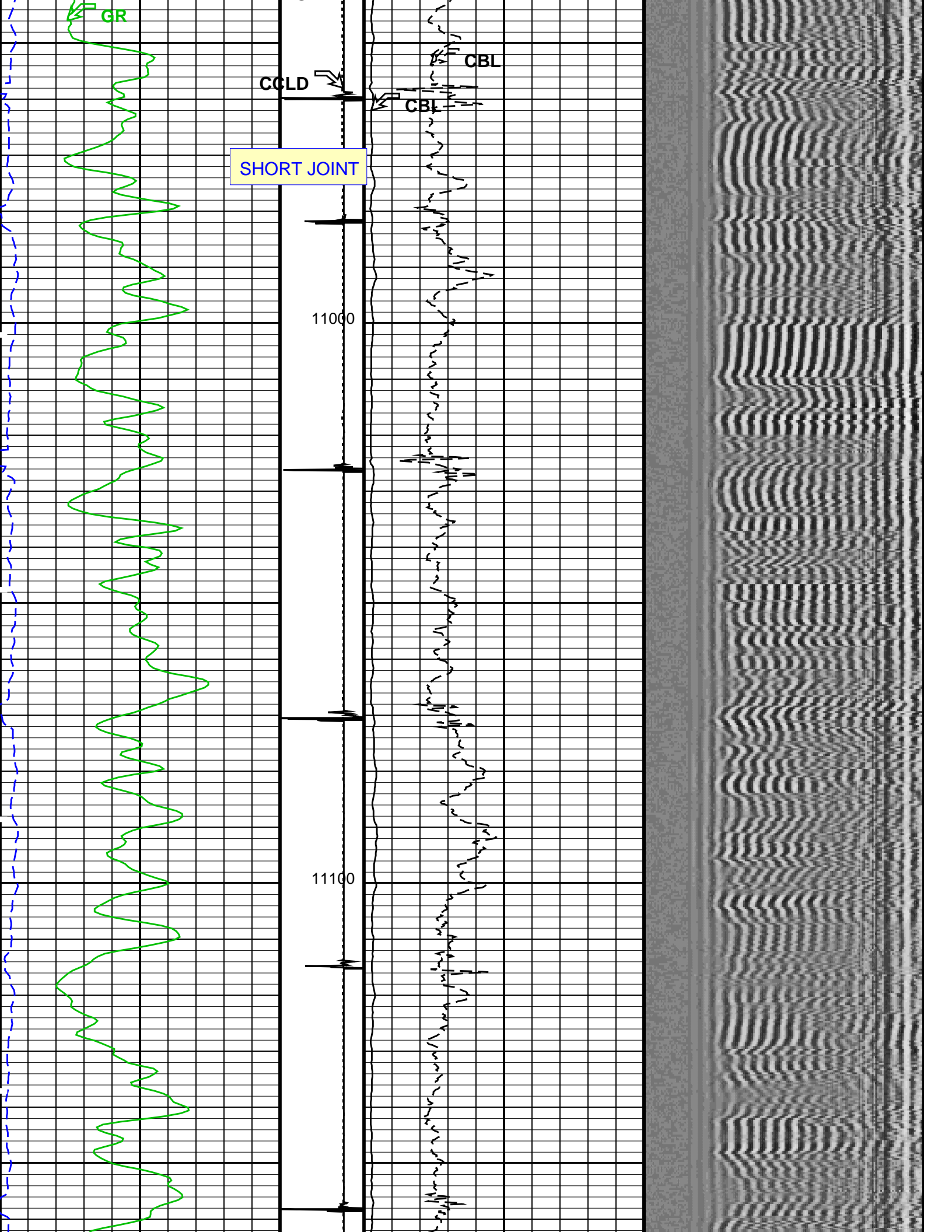


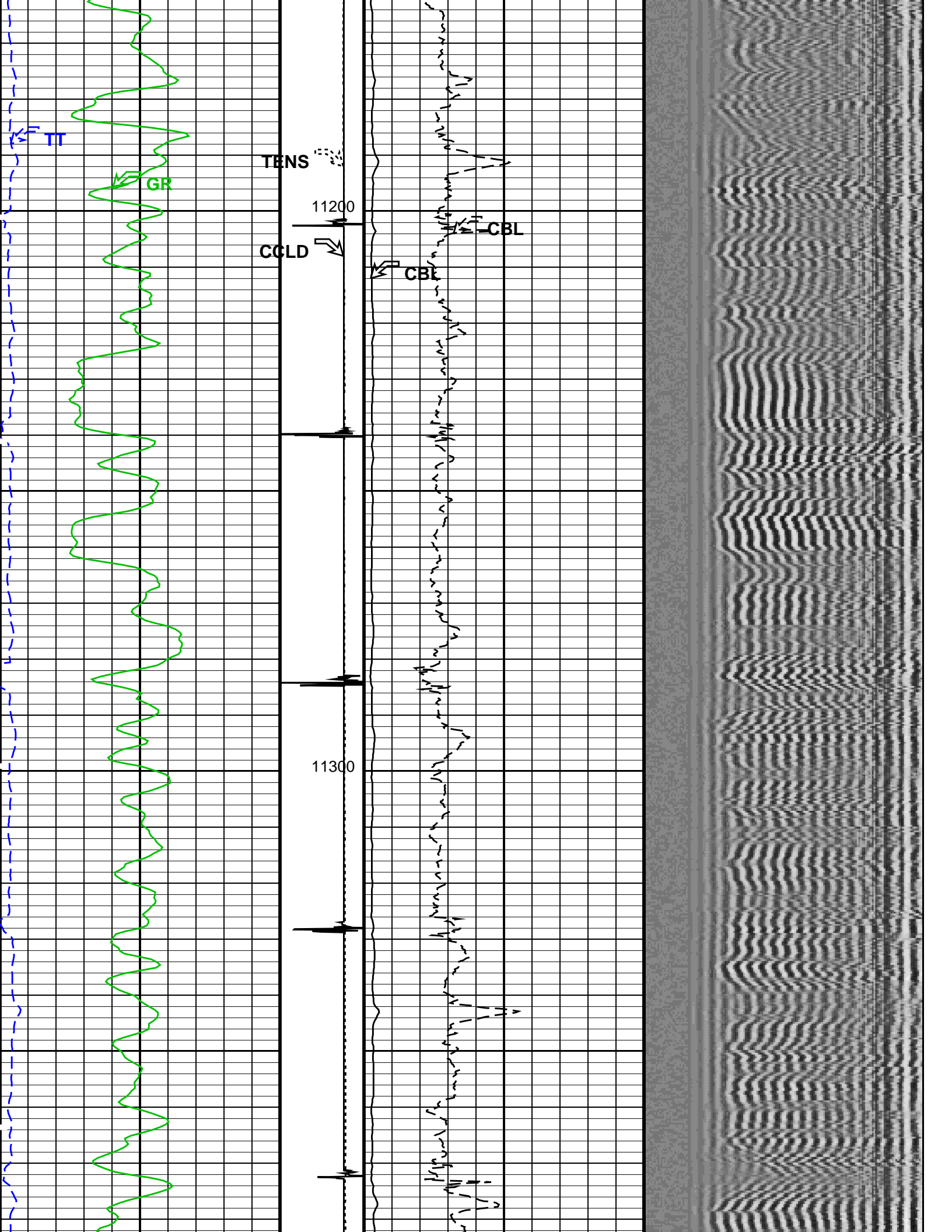


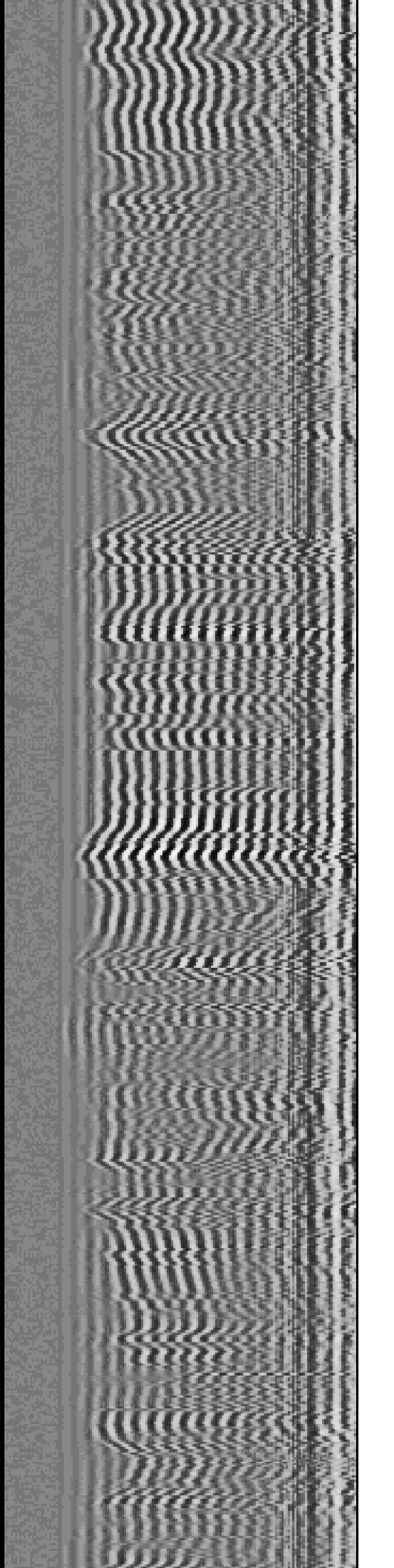
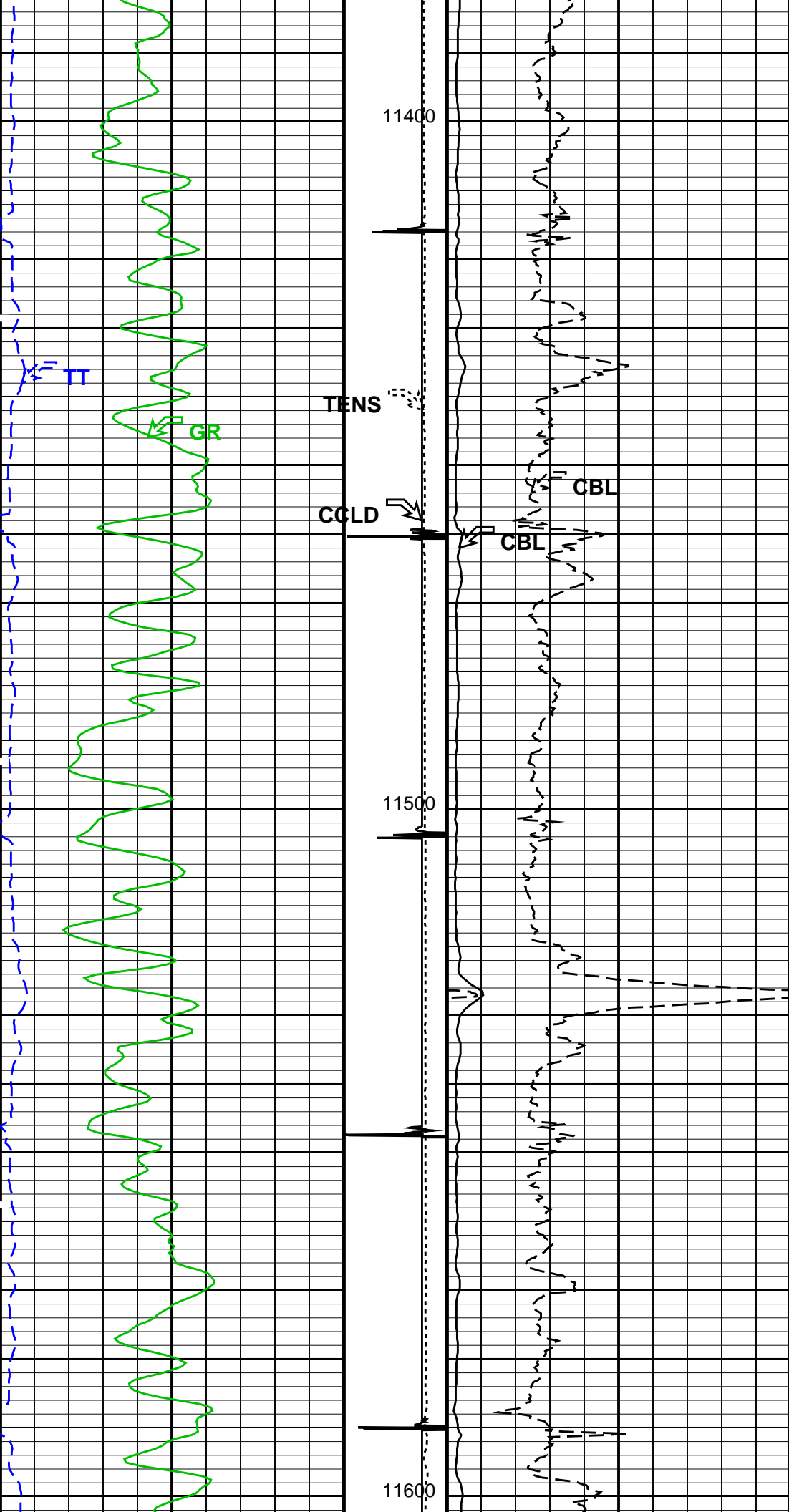




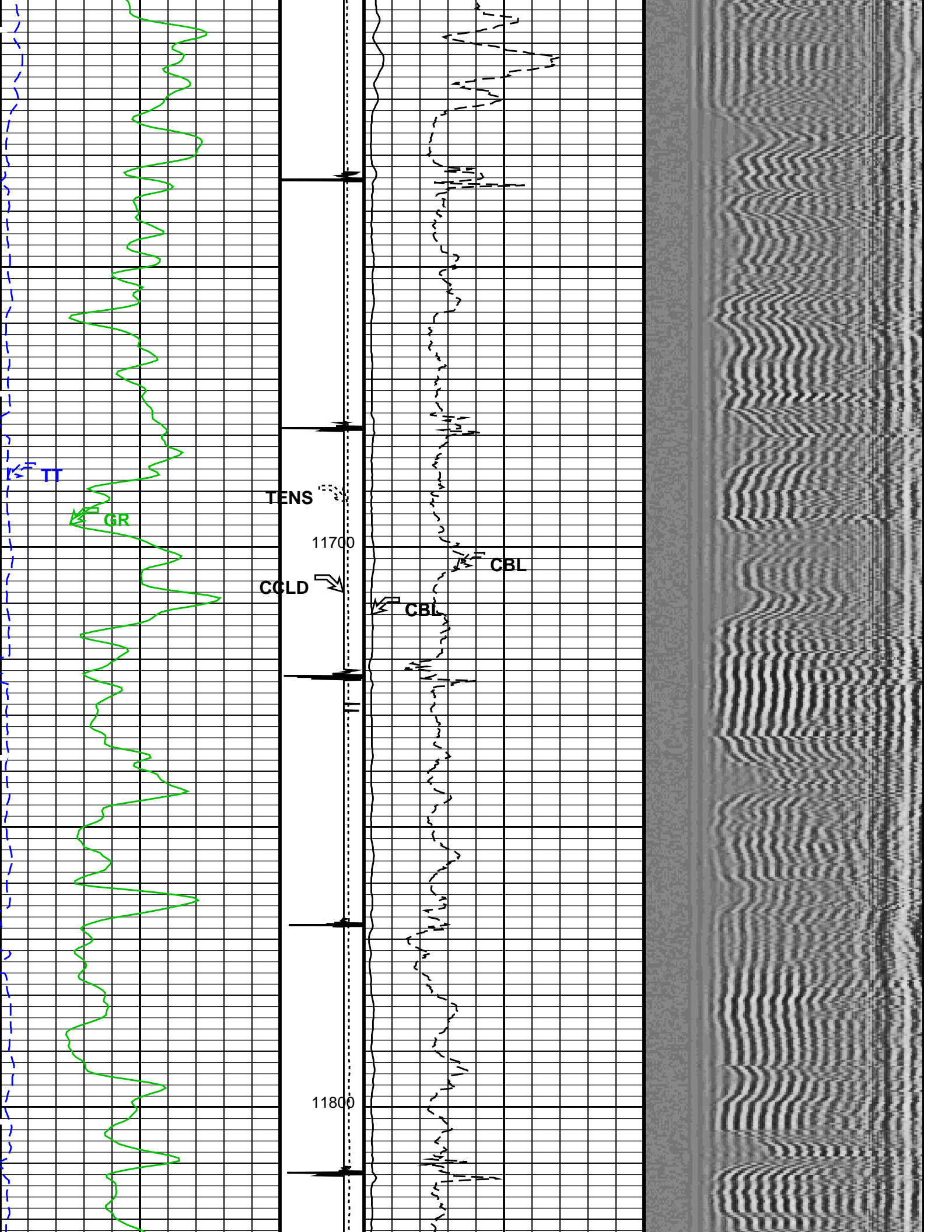




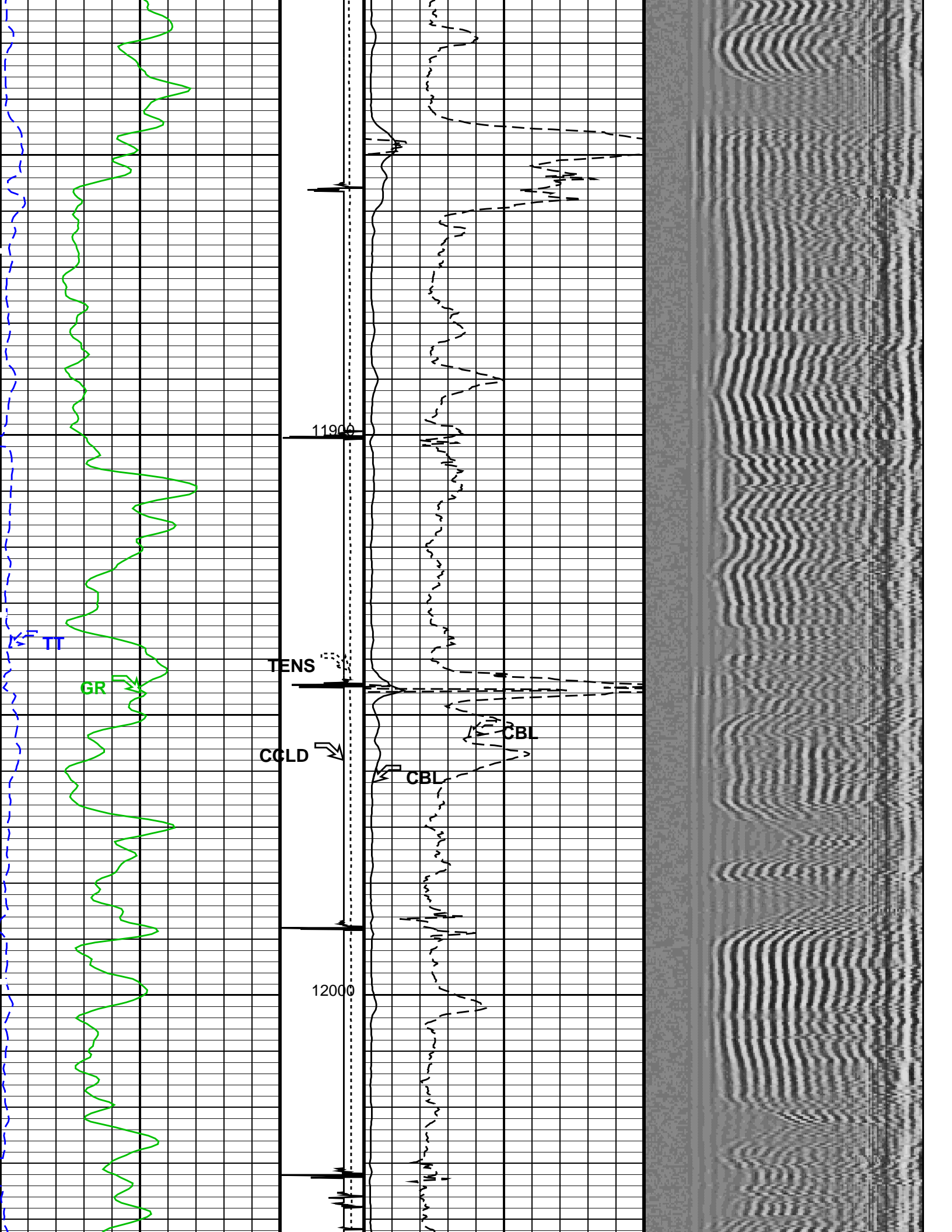


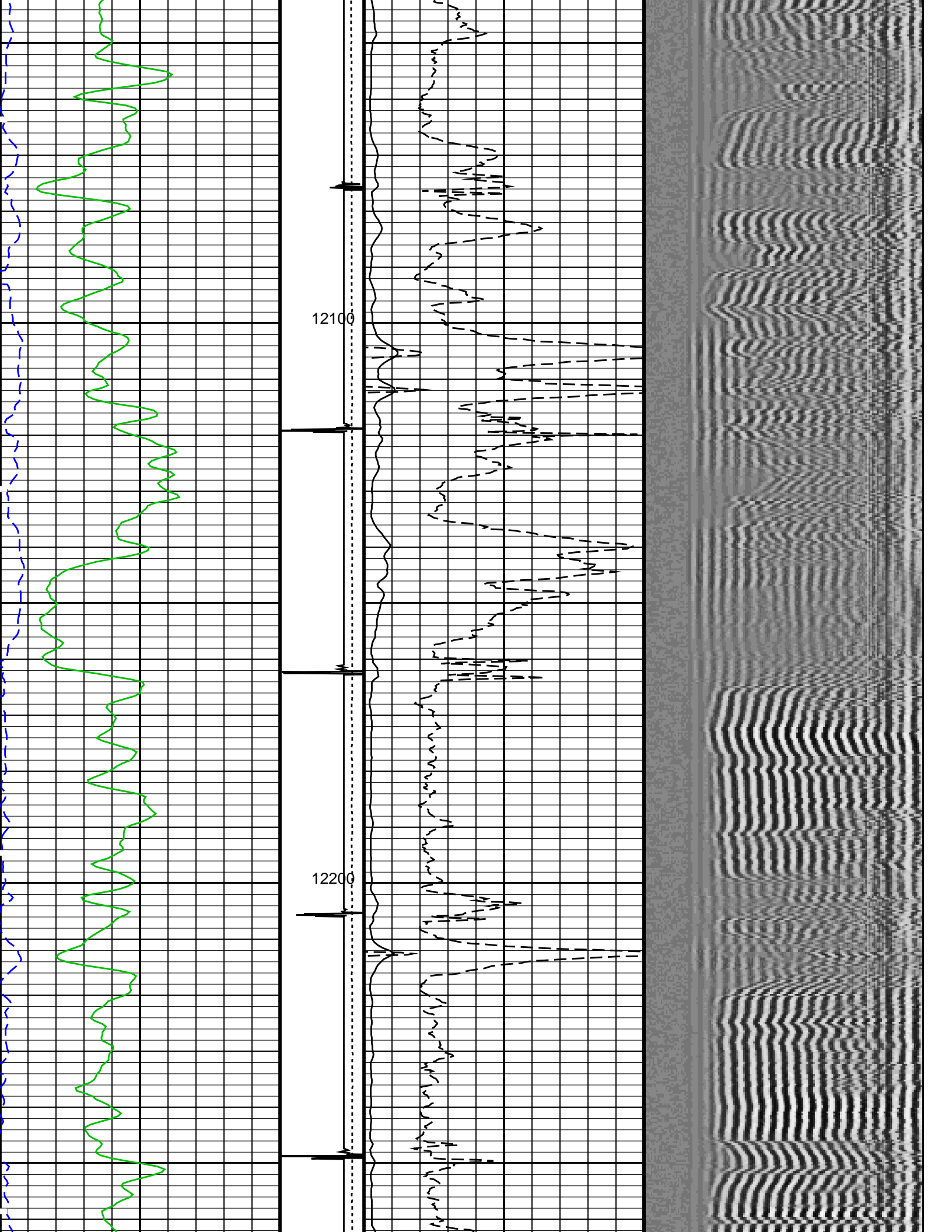


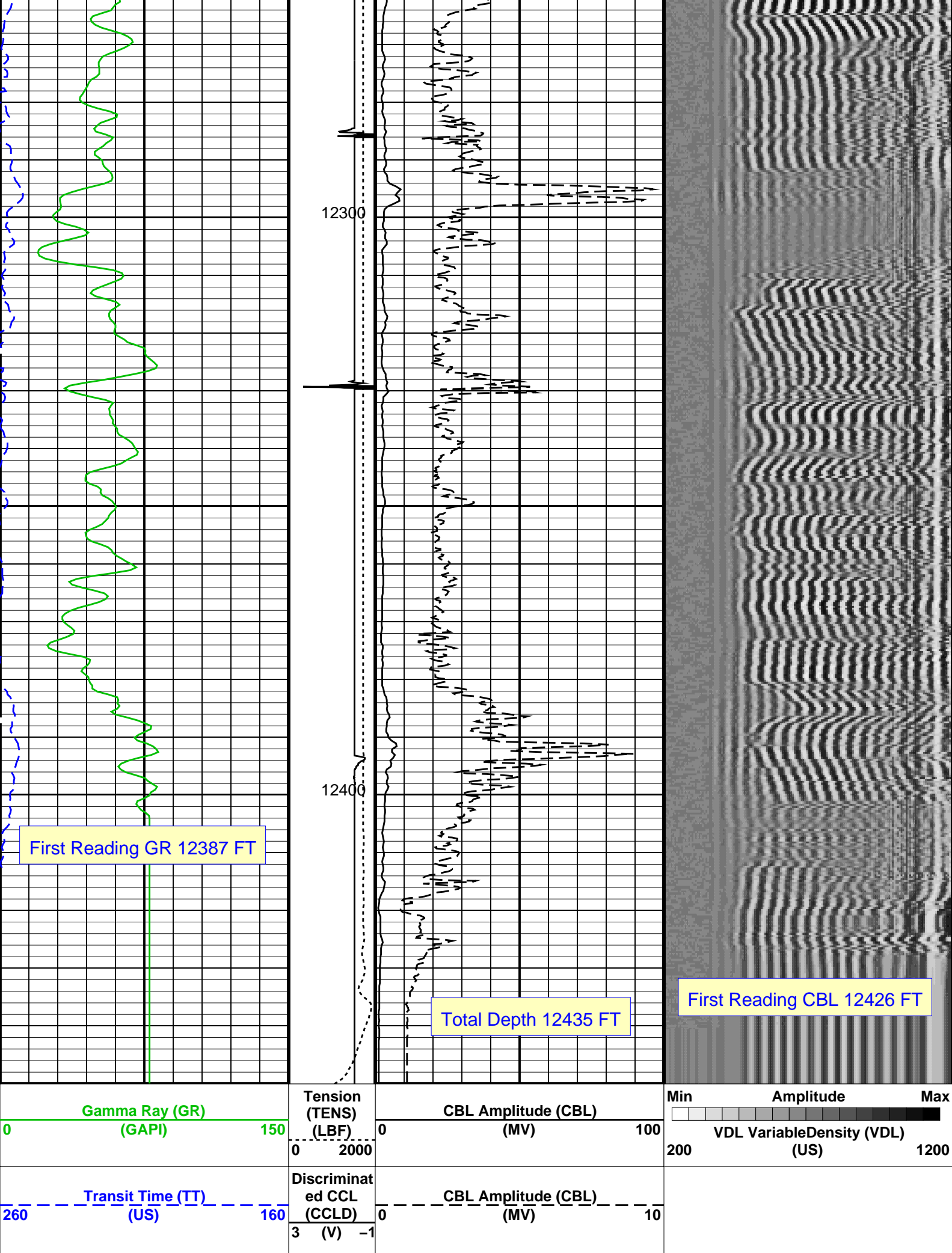












Time Mark Every 60 S

Format: CBL\_VDL    Vertical Scale: 5" per 100'

Graphics File Created: 04-May-2013 13:43

OP System Version: 19C0-187

SCMT-CB  
PSPT

SRPC-5214-H2-2012-OP1!  
SRPC-5214-H2-2012-OP1!

RST-C

SRPC-5214-H2-2012-OP1!

<<<SCMT Cement Evaluation Information Summary>>>

Sonde Serial Number

SCMS-CB 8303

Current Casing Size

4.50000 IN

Casing Weight

11.6000 LB/F

Expected CBL Amplitude  
in Free Pipe Section

80 MV

Minimum Sonic Amplitude

0.579149 MV (100% Cement)

1.55185 MV (80% Cement)

MAP Minimum Sonic Amplitude

4.32284 MV (100% Cement)

8.10244 MV (80% Cement)

Master Calibration (Normalization)

Before Calibration (Adjustment)

Date of Master Calibration

7-SEP-2012

CBL Correction Factor

0.0756720

CBL Adjustment Factor (CBAF)

0.800000

MAP 1 Correction Factor

0.136845

MAP Adjustment Factor (MPAF)

1.0

MAP 2 Correction Factor

0.165126

MAP 3 Correction Factor

0.125717

MAP 4 Correction Factor

0.196395

MAP 5 Correction Factor

0.147692

MAP 6 Correction Factor

0.128887

MAP 7 Correction Factor

0.150775

MAP 8 Correction Factor

0.144577

Parameters

DLIS Name

Description

Value

SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD

BILI

Bond Index Level for Zone Isolation

0.8

CB3D

SCMT CBL 3 ft Peak Detection Mode

PEAK

CB3G

SCMT CBL 3 ft Peak Detection T0\_Delay and Noise Gate

224.559

US

CB3T

SCMT CBL 3 ft Fixed Threshold Level

20

MV

CB5D

SCMT CBL 5 ft Peak Detection Mode

PEAK

CB5G

SCMT CBL 5 ft Peak Detection T0\_Delay and Noise Gate

338.559

US

CB5T

SCMT CBL 5 ft Fixed Threshold Level

20

MV

CBLG

CBL Gate Width

45

US

CBRA

CBL LQC Reference Amplitude in Free Pipe

80

MV

CMCF

CBL Cement Type Compensation Factor

1

CMTC

SCMT Slow Channel Multiplexer Mode

SCAN

CMTM

SCMT Operating Mode

LOG

CSCS

SCMT Slow Channel Index

VCC

CTHI

Casing Thickness

0.255617

IN

DTF

Delta-T Fluid

189

US/F

FATT

Acoustic Attenuation due to Fluid

0

DB/F

FCF

CBL Fluid Compensation Factor

0.924277

GOBO

Good Bond

1.55185

MV

MAPD

SCMT MAP Peak Detection Mode

PEAK

MAPG

SCMT MAP Peak Detection T0\_Delay and Noise Gate

167.559

US

MAPT

SCMT MAP Fixed Threshold Level

30

MV

MATT

Maximum Attenuation

16.5449

DB/F

MCCF

MAP Cement Type Compensation Factor

1

MCI

Minimum Cemented Interval for Isolation

1.25

FT

MMSA

MAP Minimum Sonic Amplitude

4.32284

MV

MSA

Minimum Sonic Amplitude

0.579149

MV

PEDE

Peak Detection On/Off Switch in Playback

OFF

VDLG

VDL Manual Gain

5

ZCMT

Acoustic Impedance of Cement

6.8

MRAY

System and Miscellaneous

CSIZ

Current Casing Size

4.500

IN

CWEI

Casing Weight

11.60

LB/F

DFD

Drilling Fluid Density

8.40

LB/G

PC

Depth Offset for Playback

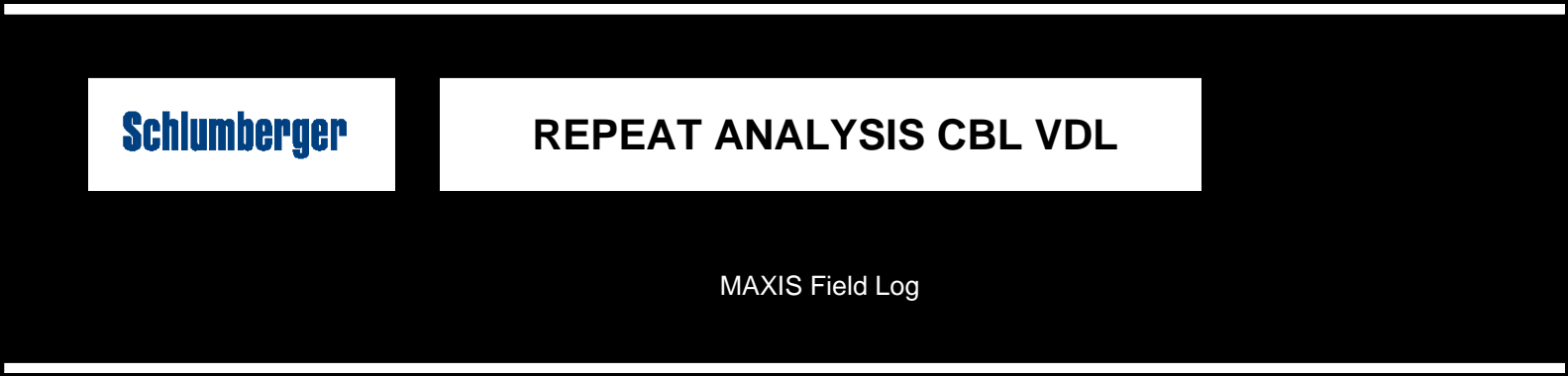
7.0

FT

Input DLIS Files						
DEFAULT	Splice_SCMT_RST_PSP_008CUP	FN:1	PRODUCER	04-May-2013 13:40	12450.0 FT	-14.3 FT
Output DLIS Files						
DEFAULT	SCMT_RST_PSP_009PUP	FN:7	PRODUCER	04-May-2013 13:43		



REPEAT ANALYSIS CBL VDL

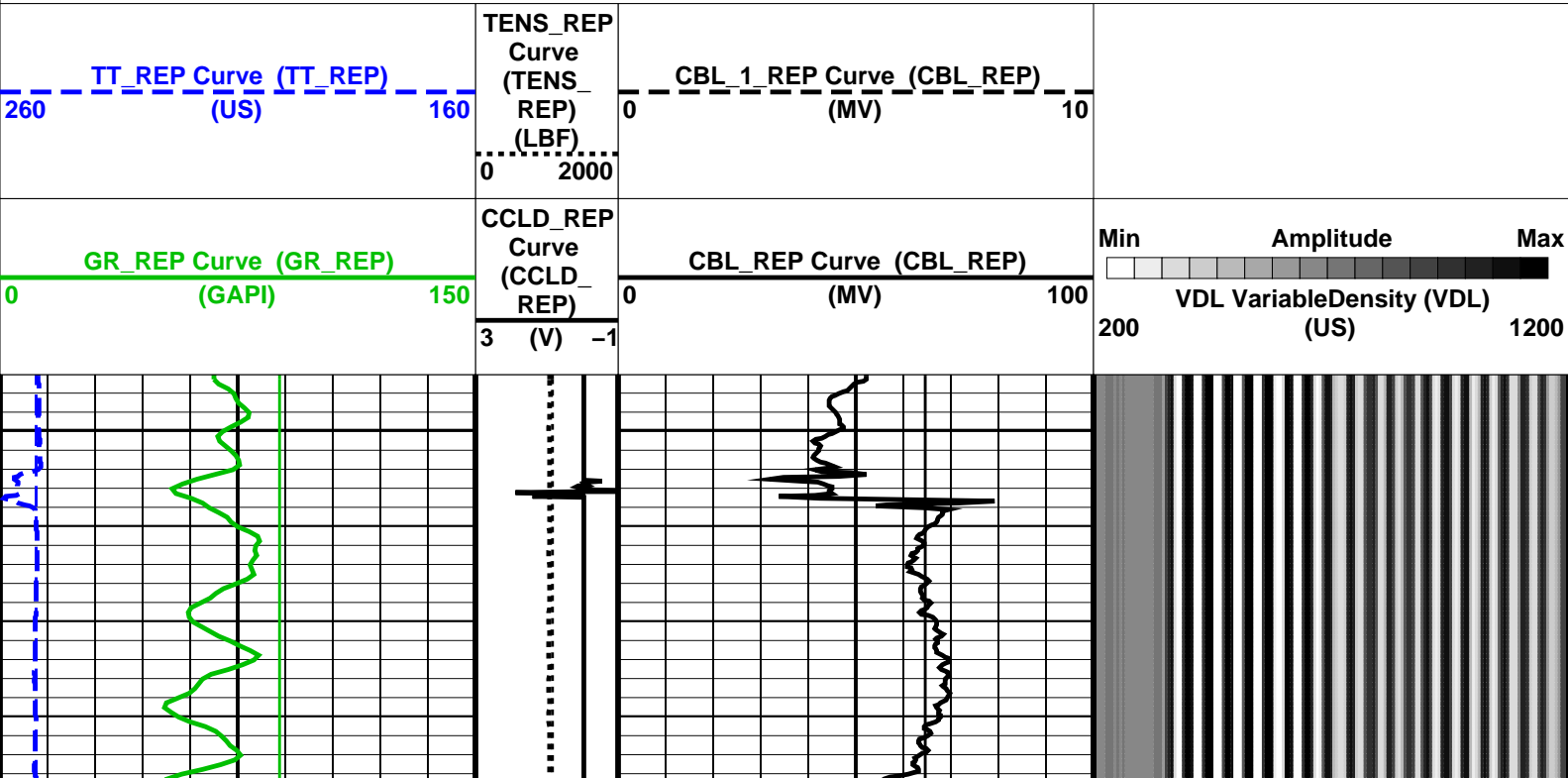


Company: ENCANA OIL & GAS (USA) INC	Well: SG 8507C-35 (D36 496)
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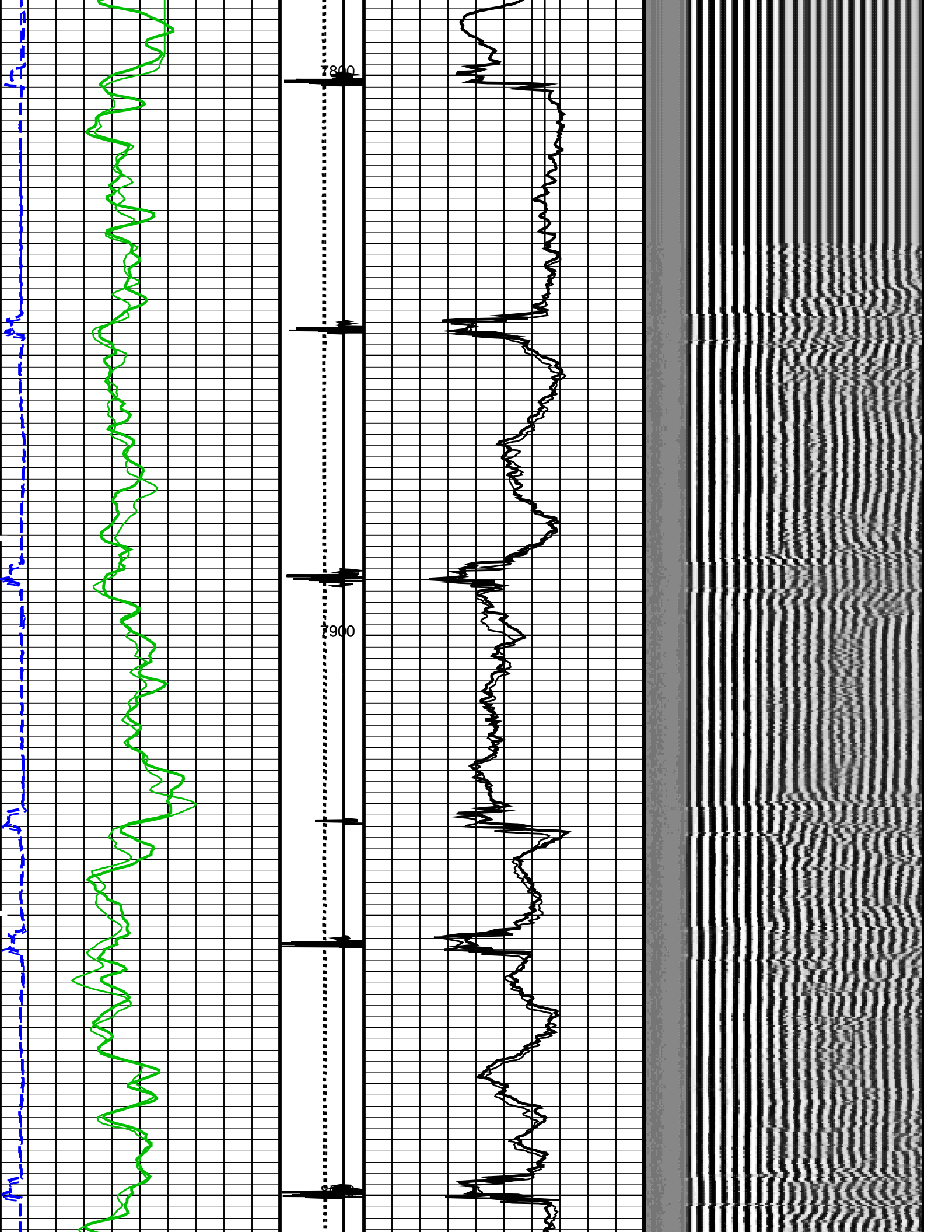
Input DLIS Files						
DEFAULT	SCMT_RST_PSP_002LUP	FN:1	PRODUCER	04-May-2013 09:19	8144.5 FT	7794.0 FT
DEFAULT	SCMT_RST_PSP_009PUP	FN:7	PRODUCER	04-May-2013 13:43	12450.0 FT	-58.5 FT
Output DLIS Files						
DEFAULT	SCMT_RST_PSP_010PUP	FN:8	PRODUCER	04-May-2013 13:55	8145.5 FT	7743.5 FT

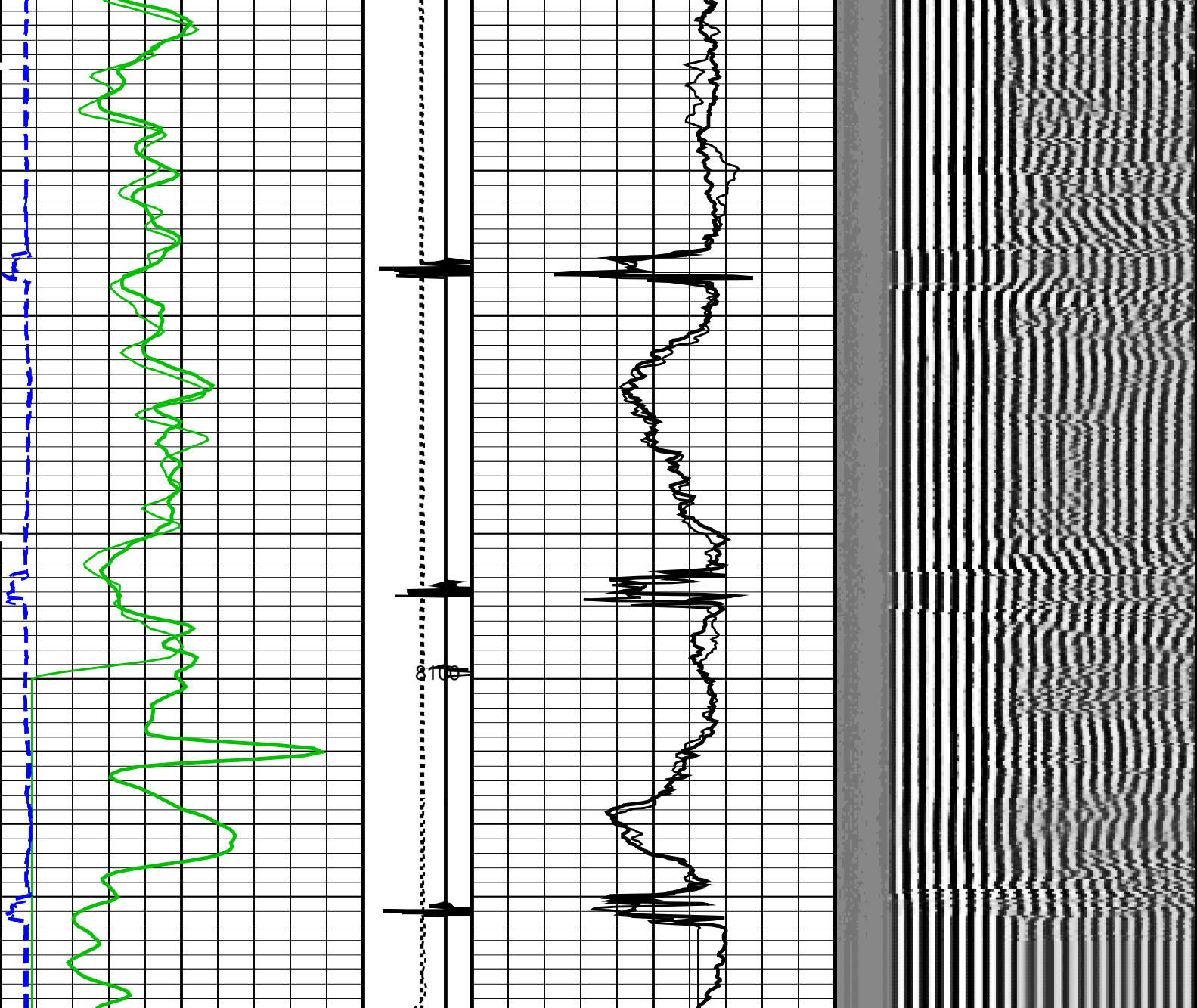
OP System Version: 19C0-187			
SCMT-CB PSPT	SRPC-5214-H2-2012-OP1! SRPC-5214-H2-2012-OP1!	RST-C	SRPC-5214-H2-2012-OP1!

PIP SUMMARY









<p>GR_REP Curve (GR_REP) (GAPI)</p> <p>0 150</p>	<p>CCLD_REP Curve (CCLD_REP)</p> <p>3 (V) -1</p>	<p>CBL_REP Curve (CBL_REP) (MV)</p> <p>0 100</p>	<p>Min Amplitude Max</p> <p>200 VDL VariableDensity (VDL) (US) 1200</p>
<p>TT_REP Curve (TT_REP) (US)</p> <p>260 160</p>	<p>TENS_REP Curve (TENS_REP) (LBF)</p> <p>0 2000</p>	<p>CBL_1_REP Curve (CBL_REP) (MV)</p> <p>0 10</p>	

#### PIP SUMMARY

Time Mark Every 60 S

Format: CBL\_VDL\_REP Vertical Scale: 5" per 100'

Graphics File Created: 04-May-2013 13:55

OP System Version: 19C0-187

SCMT-CB	SRPC-5214-H2-2012-OP1	RST-C	SRPC-5214-H2-2012-OP1
PSPT	SRPC-5214-H2-2012-OP1		

#### <<<SCMT Cement Evaluation Information Summary>>>

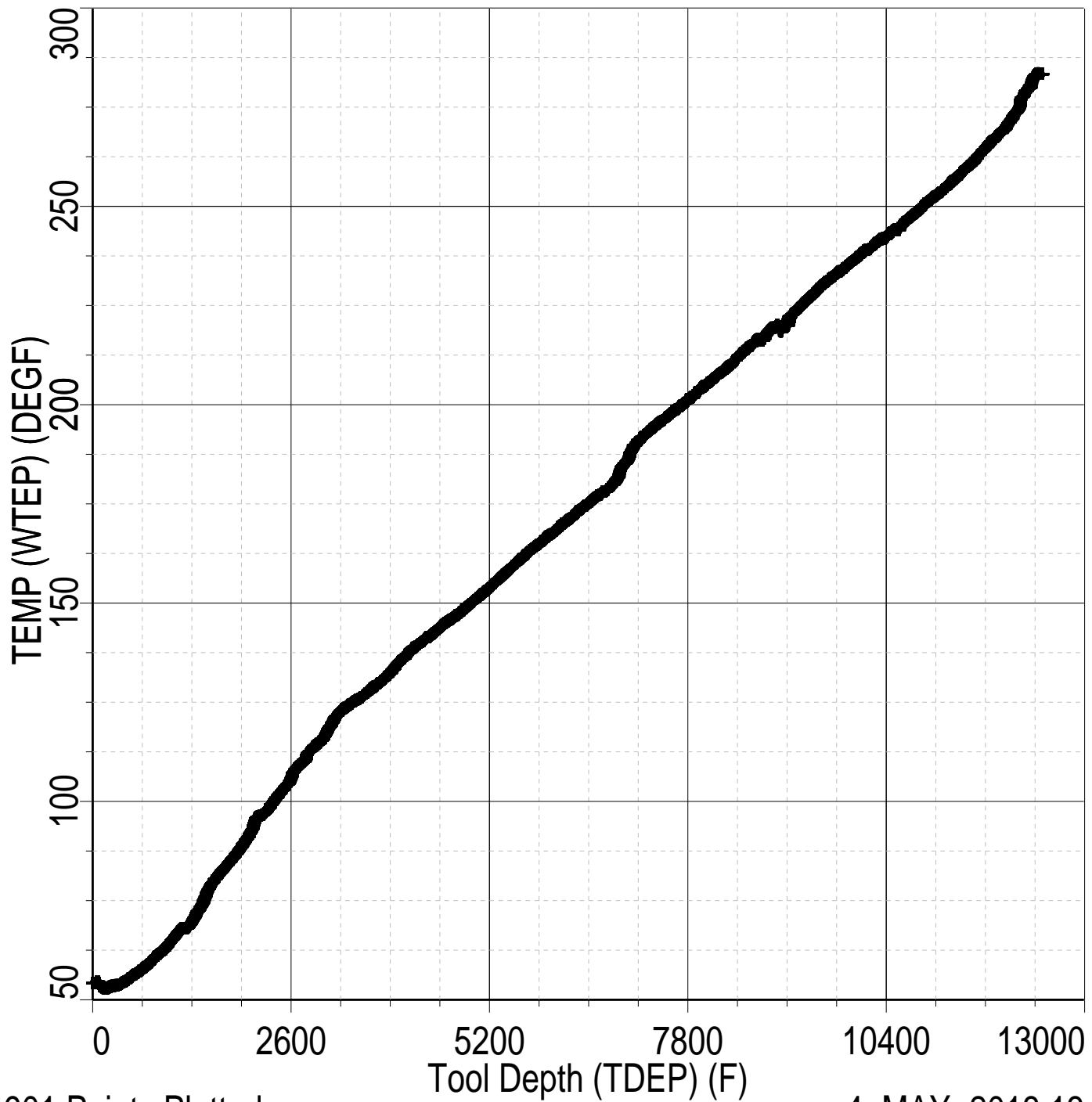
Sonde Serial Number	SCMS-CB 8303
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Current Casing Size	4.50000 IN		
Casing Weight	11.6000 LB/F		
Expected CBL Amplitude in Free Pipe Section	80 MV	Minimum Sonic Amplitude	0.579149 MV (100% Cement) 1.55185 MV (80% Cement)
		MAP Minimum Sonic Amplitude	4.32284 MV (100% Cement) 8.10244 MV (80% Cement)
Master Calibration (Normalization)		Before Calibration (Adjustment)	
Date of Master Calibration	7-SEP-2012		
CBL Correction Factor	0.0756720	CBL Adjustment Factor (CBAF)	0.800000
MAP 1 Correction Factor	0.136845	MAP Adjustment Factor (MPAF)	1.0
MAP 2 Correction Factor	0.165126		
MAP 3 Correction Factor	0.125717		
MAP 4 Correction Factor	0.196395		
MAP 5 Correction Factor	0.147692		
MAP 6 Correction Factor	0.128887		
MAP 7 Correction Factor	0.150775		
MAP 8 Correction Factor	0.144577		

Parameters			
DLIS Name	Description	Value	
	SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD		
BILI	Bond Index Level for Zone Isolation	0.8	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	224.559	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	338.559	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	45	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	80	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.255617	IN
DTF	Delta-T Fluid	189	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	0.924277	
GOBO	Good Bond	1.55185	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	167.559	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	16.5449	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	1.25	FT
MMSA	MAP Minimum Sonic Amplitude	4.32284	MV
MSA	Minimum Sonic Amplitude	0.579149	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
	System and Miscellaneous		
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DO	Depth Offset for Playback	1.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	12435	FT

Input DLIS Files						
DEFAULT	SCMT_RST_PSP_002LUP	FN:1	PRODUCER	04-May-2013 09:19	8144.5 FT	7794.0 FT
DEFAULT	SCMT_RST_PSP_009PUP	FN:7	PRODUCER	04-May-2013 13:43	12450.0 FT	-58.5 FT
Output DLIS Files						
DEFAULT	SCMT_RST_PSP_010PUP	FN:8	PRODUCER	04-May-2013 13:55		

Index: 12450.0 – -58.5 FT



## MAXIS Field Log

Client: ENCANA OIL & GAS (USA) INC  
Field: STORY GULCH  
Well: SG 8507C-35 (D36 496)  
Run date: 4-May-2013

Tool: PSP  
Sub Type: PBMS  
Sensor: GR

## PBMS Gamma Ray

Sonde Serial NB RESISTORS FOR GR SENSOR N.33223, TOOL PBMS-BA0928. SENSOR S/N:  
Sensor Serial NB 33223  
Calib Date ddmmyy 090800  
Matrix Size 12  
Coeff CRC CFE2

## GR HV Rt

Rt\*\*0

Rt\*\*1

Rt\*\*0

+.182000000000e+04

+.332000000000e+04

Client: ENCANA OIL & GAS (USA) INC  
Field: STORY GULCH  
Well: SG 8507C-35 (D36 496)  
Run date: 4-May-2013

Tool: PSP  
Sub Type: PBMS  
Sensor: WellTemp RTD

## PBMS RTD Well Thermometer

Sonde Serial NB COEFFICIENTS FOR RTD THERMOMETER PBMS-B.928 S/N:  
Sensor Serial NB 928  
Calib Date ddmmyy 280612  
Matrix Size 16  
Coeff CRC A24E



WTemp Coeff			
	Tt**0	Tt**1	Tt**2
Tt**0	−.391987973189E+03	+.191346892512E+03	−.440920753451E+02
	Tt**3	Tt**4	Tt**5
Tt**0	+.957191300908E+01	−.711421725686E+00	0.0

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Client:	ENCANA OIL & GAS (USA) INC	Tool:	PSP
Field:	STORY GULCH	Sub Type:	PBMS
Well:	SG 8507C−35 (D36 496)	Sensor:	CQG
Run date:	4−May−2013		

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PBMS Quartz Gauge type F	
Sonde Serial NB	COEFFICIENTS FOR CQG PBMS−B.928 S/N:
Sensor Serial NB	928
Calib Date ddmmyy	280612
Matrix Size	66
Coeff CRC	9DC3

Pres Coeff	Fb**0	Fb**1	Fb**2
Fc**0	+.714463802232E+04	+.183434658655E−01	−.156620073569E−06
Fc**1	−.100638308957E+01	−.119899563644E−04	−.912155899025E−10
Fc**2	+.936268101283E−06	+.423898071451E−10	+.958076371919E−15
Fc**3	+.185123362373E−11	+.203107925433E−15	0.0
Fc**4	0.0	0.0	0.0
Fc**5	0.0	0.0	0.0
	Fb**3	Fb**4	Fb**5
Fc**0	−.746577997611E−10	−.588773826860E−15	−.622250441458E−19
Fc**1	−.120636521092E−15	+.400325894750E−19	0.0
Fc**2	0.0	0.0	0.0
Fc**3	0.0	0.0	0.0
Fc**4	0.0	0.0	0.0
Fc**5	0.0	0.0	0.0

PBMS Quartz Gauge type F

Sonde Serial NB :  
Sensor Serial NB 928  
Calib Date ddmmyy 280612  
Matrix Size 66  
Coeff CRC 283B

Temp Coeff

	Fc**0	Fc**1	Fc**2
Fb**0	+.117016867873E+03	-.284359629614E-03	+.604391180345E-08
Fb**1	-.598309140812E-02	+.182731130848E-07	+.160166486172E-12
Fb**2	-.307621454576E-07	+.300601550309E-12	+.311233548560E-17
Fb**3	-.419658736767E-12	+.117473708647E-16	0.0
Fb**4	0.0	0.0	0.0
Fb**5	0.0	0.0	0.0

	Fc**3	Fc**4	Fc**5
Fb**0	+.114322792679E-12	+.153807711176E-17	-.736714260866E-21
Fb**1	-.528037875456E-18	-.220337637519E-21	0.0
Fb**2	0.0	0.0	0.0
Fb**3	0.0	0.0	0.0
Fb**4	0.0	0.0	0.0
Fb**5	0.0	0.0	0.0










PBMS Quartz Gauge type F

Sonde Serial NB :  
Sensor Serial NB 928  
Calib Date ddmmyy 280612  
Matrix Size 16  
Coeff CRC 093F

Clock Freq Coeff

	(Fb'-Fc')**0	(Fb'-Fc')**1	(Fb'-Fc')**2
(Fb'-Fc')**0	+.310874009898E+05	+.288920923041E-02	+.697940727038E-06

	(Fb'-Fc')**3	(Fb'-Fc')**4	(Fb'-Fc')**5
(Fb'-Fc')**0	-.657432344763E-10	-.412920638782E-15	+.213369826099E-20

Slim Cement Mapping Tool, 1–11/16 OD Master Calibration									
SCMT CBL and MAP Amplitude Normalization in SFT–155/–255									
Phase	MAP 1 Amplitude Plus MV			Value	Phase	MAP 2 Amplitude Plus MV			Value
Master				876.9	Master				726.7
	500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)			500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)	
Phase	MAP 3 Amplitude Plus MV			Value	Phase	MAP 4 Amplitude Plus MV			Value
Master				954.5	Master				611.0
	500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)			500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)	
Phase	MAP 5 Amplitude Plus MV			Value	Phase	MAP 6 Amplitude Plus MV			Value
Master				812.5	Master				931.0
	500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)			500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)	
Phase	MAP 7 Amplitude Plus MV			Value	Phase	MAP 8 Amplitude Plus MV			Value
Master				795.9	Master				830.0
	500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)			500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)	
Phase	CBL Amplitude Plus MV			Value					
Master				1269					
	1000 (Minimum)	1350 (Nominal)	1700 (Maximum)						

Company: **ENCANA OIL & GAS (USA) INC**

**Schlumberger**

Well: **SG 8507C-35 (D36 496)**

Field: **STORY GULCH**

County: **GARFIELD**

State: **COLORADO**

SLIM CEMENT MAPPING LOG

CBL – VDL

GAMMA RAY – CCL