



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

Well: **SG 8504E-36 (D36 496)**

Field: **STORY GULCH**

County: **GARFIELD** State: **COLORADO**

SLIM CEMENT MAPPING LOG
CBL-VDL
GR-CCL

County:	GARFIELD		
Field:	STORY GULCH		
Location:	SHL: 373 FNL & 1061 FWL		
Well:	SG 8504E-36 (D36 496)		
Company:	ENCANA OIL & GAS (USA) INC		
LOCATION			
SHL: 373 FNL & 1061 FWL		Elev.: K.B. 8320.00 ft	
BHL: 672 FWL & 1186 FNL		G.L. 8290.00 ft	
		D.F. 8319.00 ft	
Permanent Datum:	GROUND LEVEL		
Log Measured From:	KELLY BUSHING		
Drilling Measured From:	KELLY BUSHING		
API Serial No. 05-045-20933-0C		Section 36	Township 4S
			Range 96W

PVT DATA			
Oil Density	Run 1	Run 2	R
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	11-Apr-2013		
Run Number	1		
Depth Driller	11992 ft		
Schlumberger Depth	11916 ft		
Bottom Log Interval	11907 ft		
Top Log Interval	60 ft		
Casing Fluid Type	FRESH WATER		
Salinity			
Density	8.4 lbm/gal		
Fluid Level	60 ft		
BIT/CASING/TUBING STRING			
Bit Size	7.875 in		
From	10085 ft		
To	11992 ft		
Casing/Tubing Size	4.500 in		
Weight	11.6 lbm/ft		
Grade			
From	30 ft		
To	11972 ft		
Maximum Recorded Temperatures	285 degF		
Logger On Bottom	11-Apr-2013	13:15	
Unit Number	391	GRAND JUNCTION	
Recorded By	KIRSTIE BUNTING		
Witnessed By	JOHN MILLER		

Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Fluid Type			
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size			
From			
To			
Casing/Tubing Size			
Weight			
Grade			
From			
To			
Maximum Recorded Temperatures			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

Date Created: 14-MAR-2013 10:41:08

Logging Cable

Type:	1-25ZT
Serial Number:	112136
Length:	19500 FT
<hr/>	
Conveyance Method:	Wireline
Rig Type:	LAND

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:	

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.

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 OF 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.

OTHER SERVICES2
OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 2

TOOL RAN AS PER TOOL SKETCH

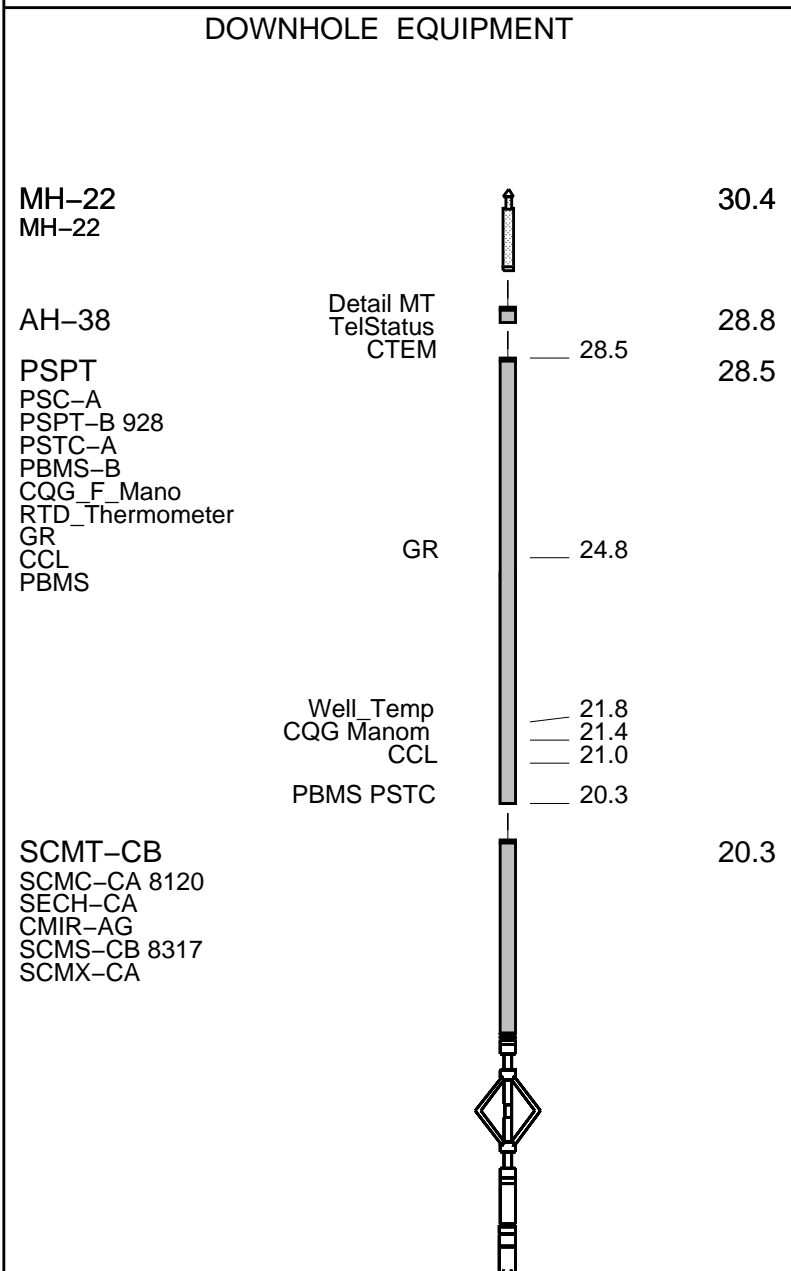
MAXIMUM RECORDED PRESSURE = 5008 PSIA

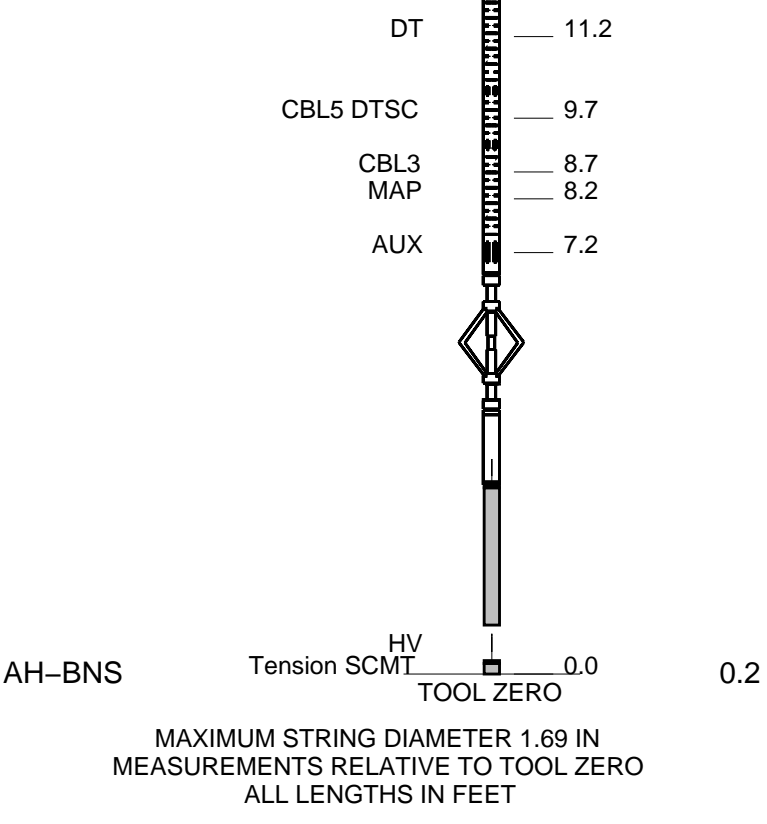
SHORT JOINTS = 7509 FT & 10458 FT	
ENTRANCE TIME = 12:30	
LOGGER ON BOTTOM = 13:15	
EXIT TIME = 16:15	
MAIN PASS LOGGED WITH ZERO SURFACE PRESSURE	
EXPECTED CBL AMPLITUDE IN FREE PIPE 80MV	
CYCLE SKIPPING DUE TO GOOD BOND	
THANK YOU FOR CHOOSING E&P WIRELINE, A SCHLUMBERGER COMPANY	
YOUR CREW, K. BUNTING, W. AZIZ, K. JOHNS	

RUN 1			RUN 2		
SERVICE ORDER #:	CGF9-00039		SERVICE ORDER #:		
PROGRAM VERSION:	19C0-187		PROGRAM VERSION:		
FLUID LEVEL:	60 ft		FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT
 WITM-A
 PSC_16MHZ





Schlumberger

MAIN PASS CBL VDL

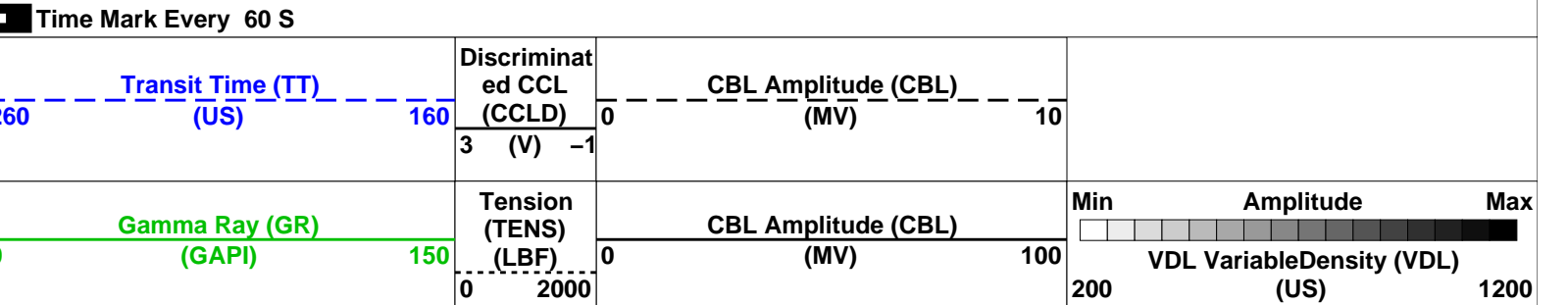
MAXIS Field Log

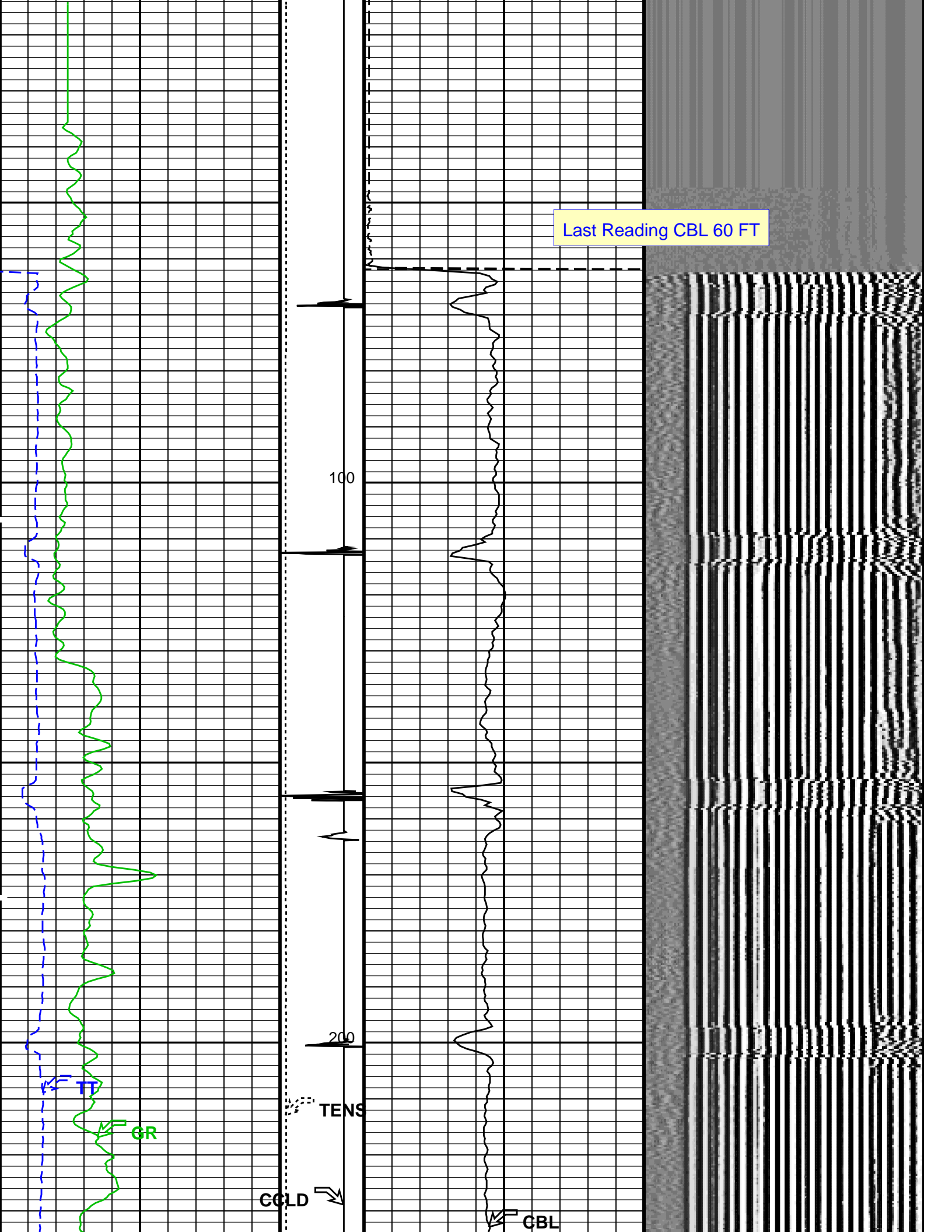
Company: ENCANA OIL & GAS (USA) INC Well: SG 8504E-36 (D36 496)

Input DLIS Files						
DEFAULT	SCMT_PSP_023LUP	FN:22	PRODUCER	11-Apr-2013 13:16	11929.5 FT	31.0 FT
Output DLIS Files						
DEFAULT	SCMT_PSP_026PUP	FN:25	PRODUCER	11-Apr-2013 16:33	11933.5 FT	13.5 FT

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

PIP SUMMARY





Last Reading CBL 60 FT

100

200

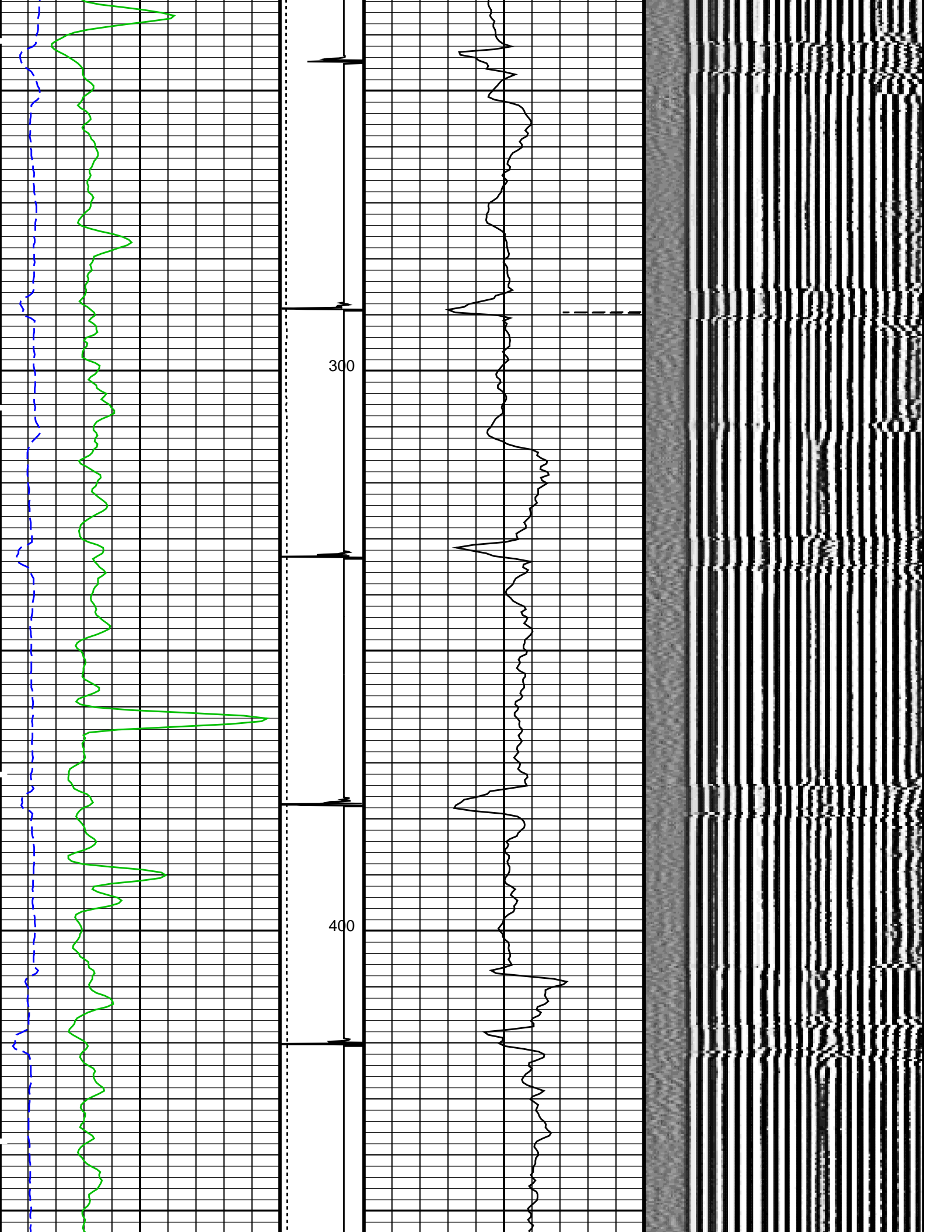
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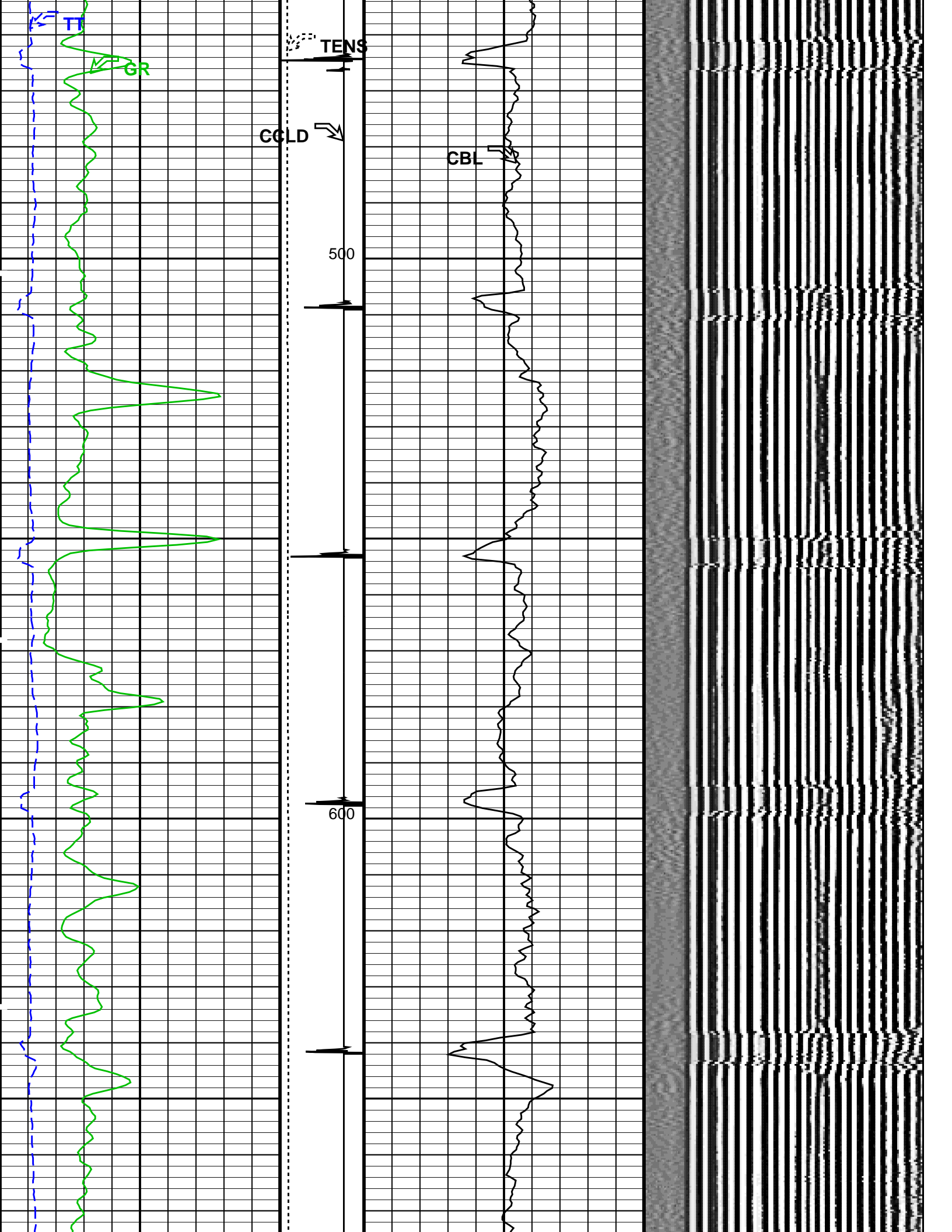
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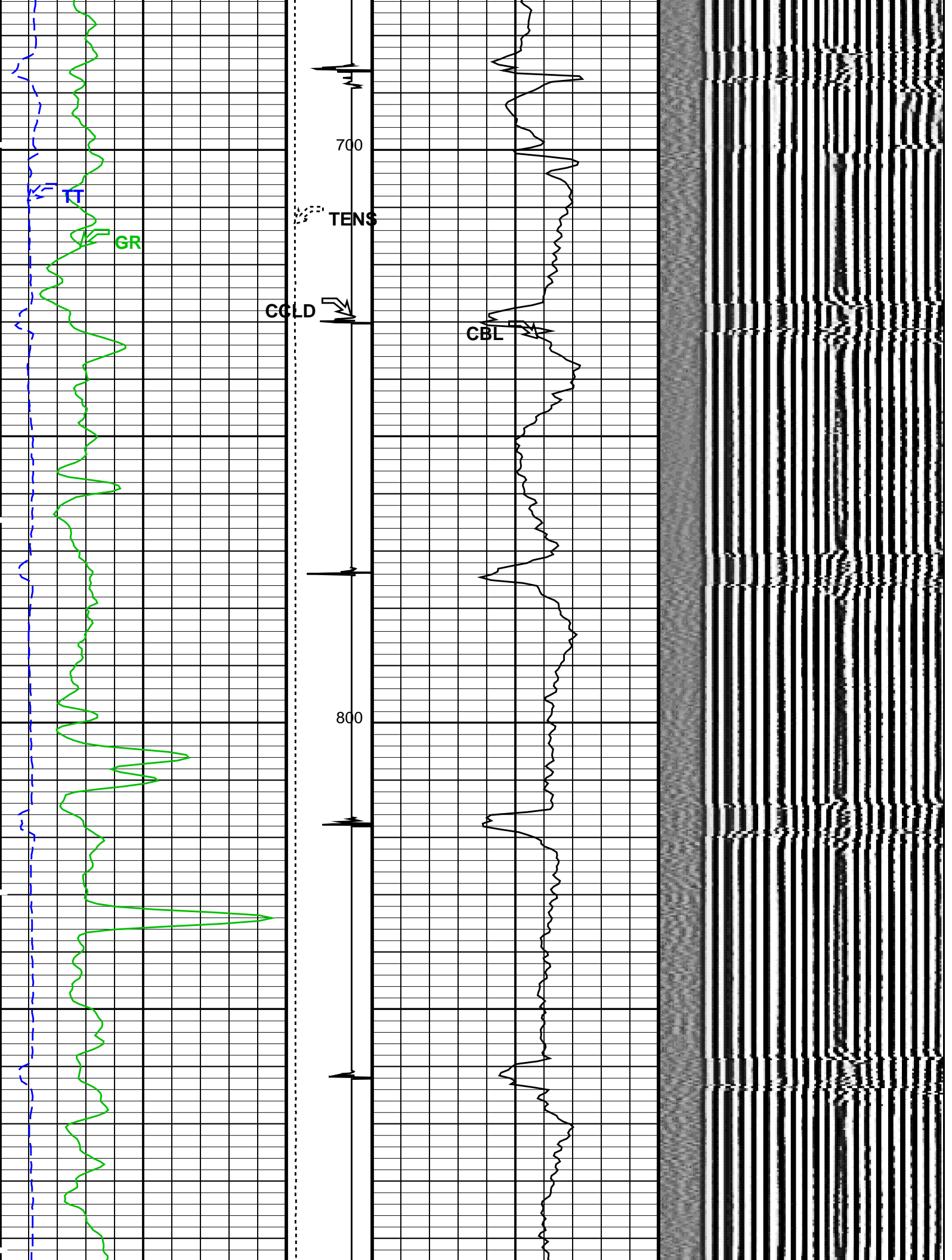
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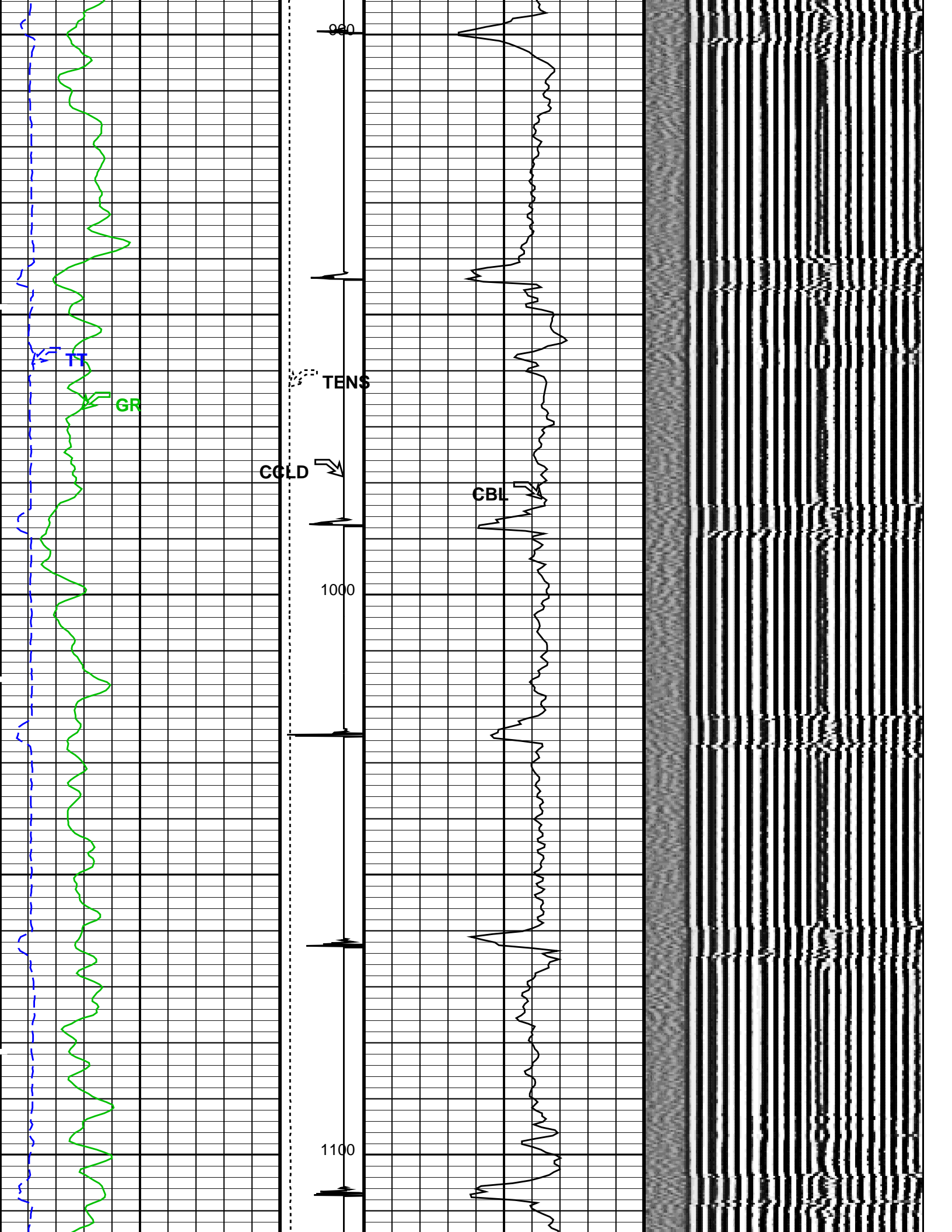
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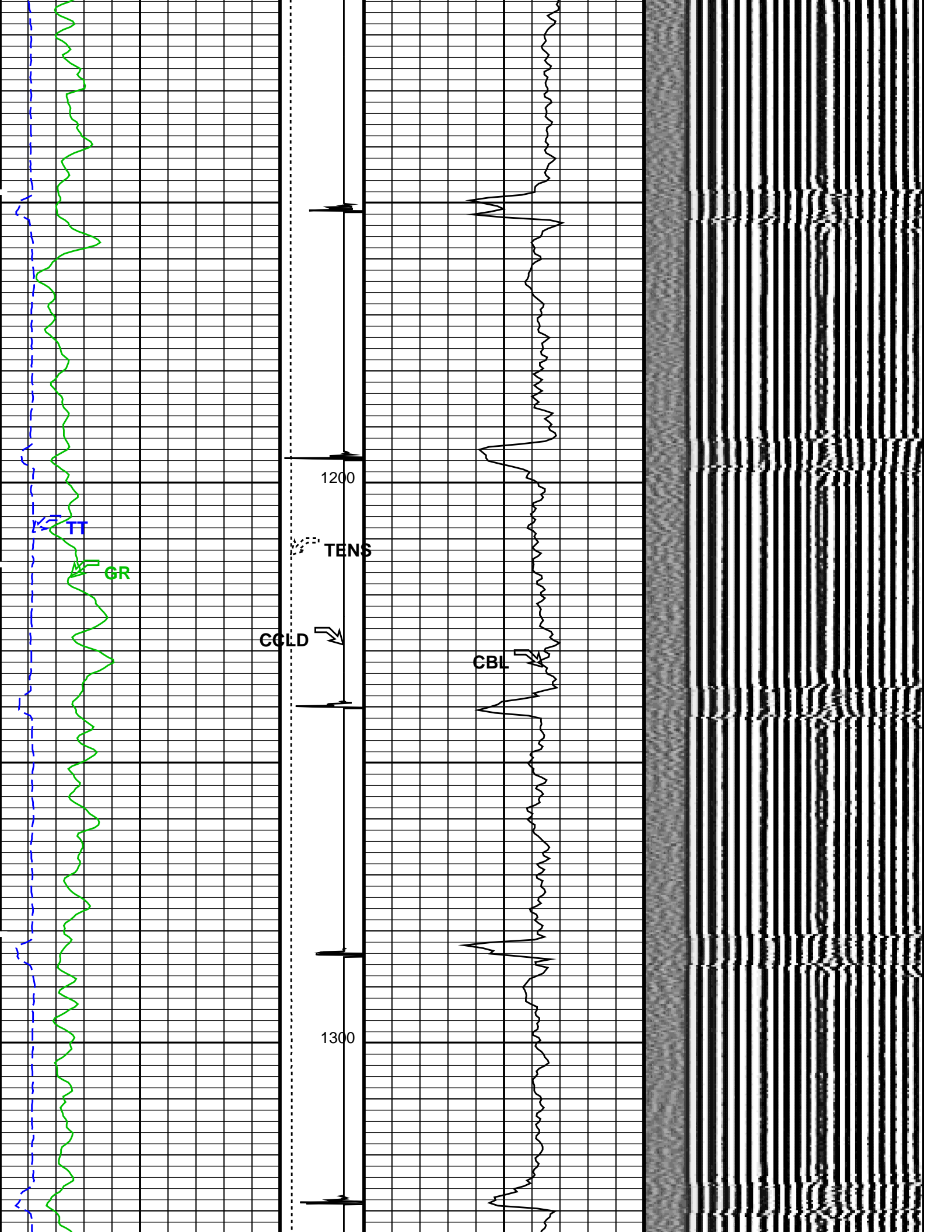
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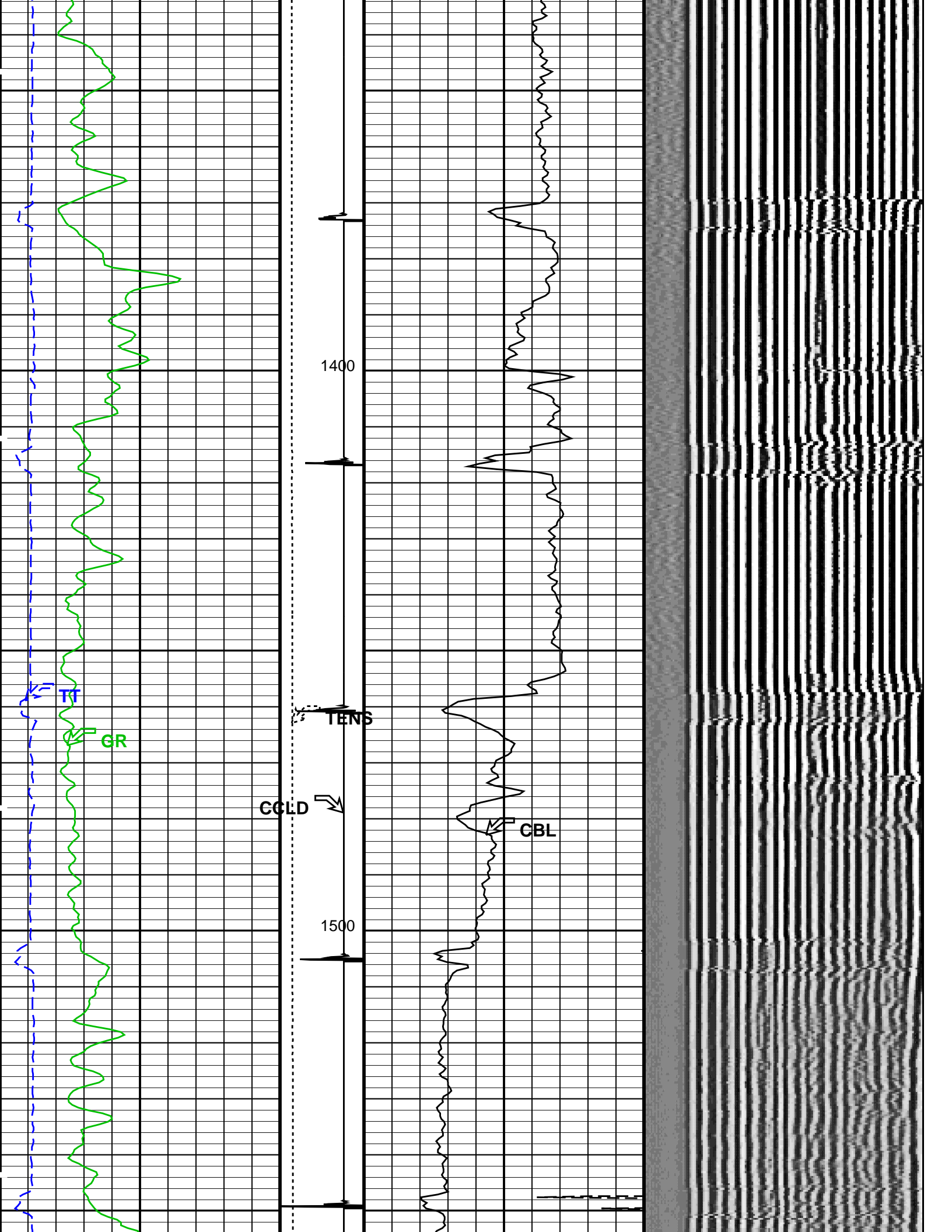


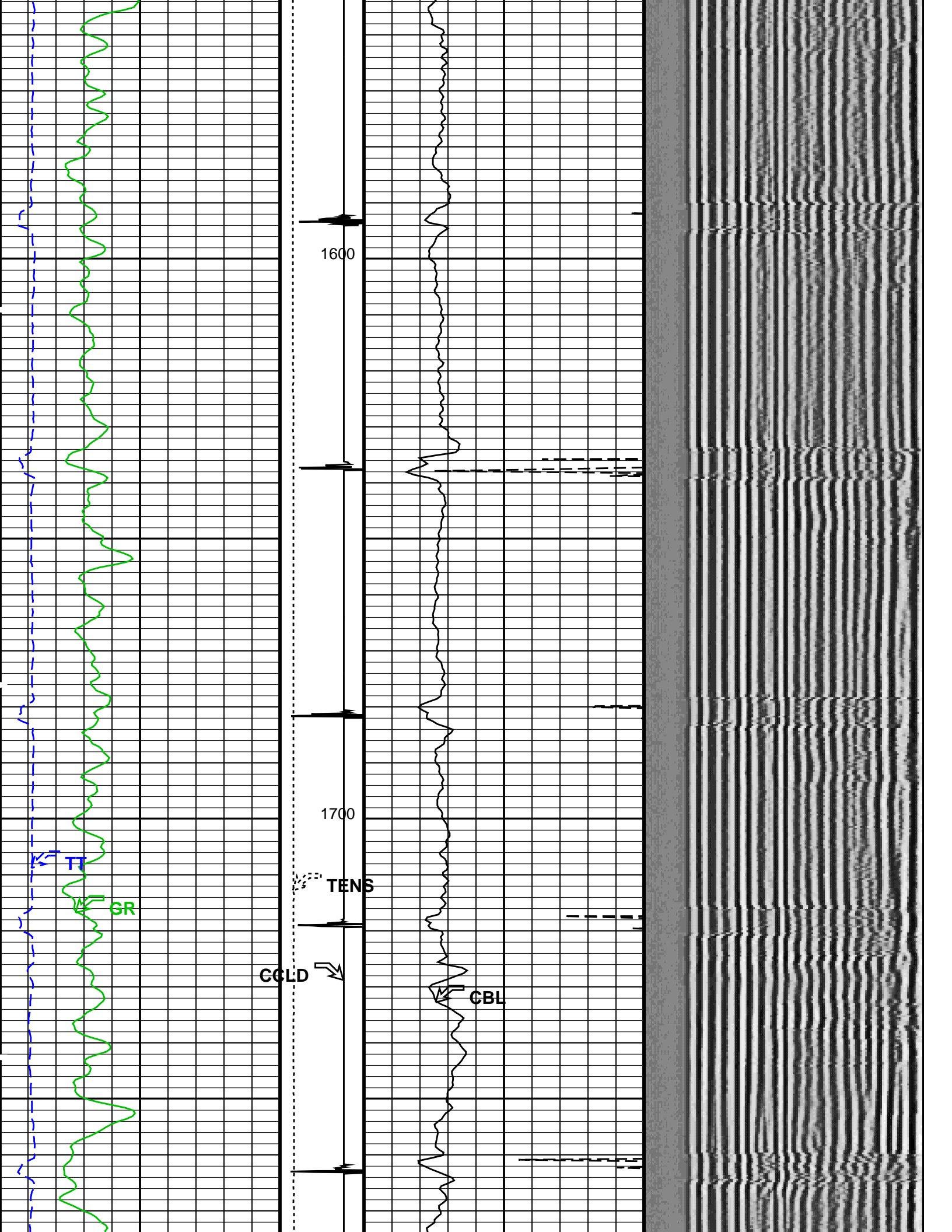


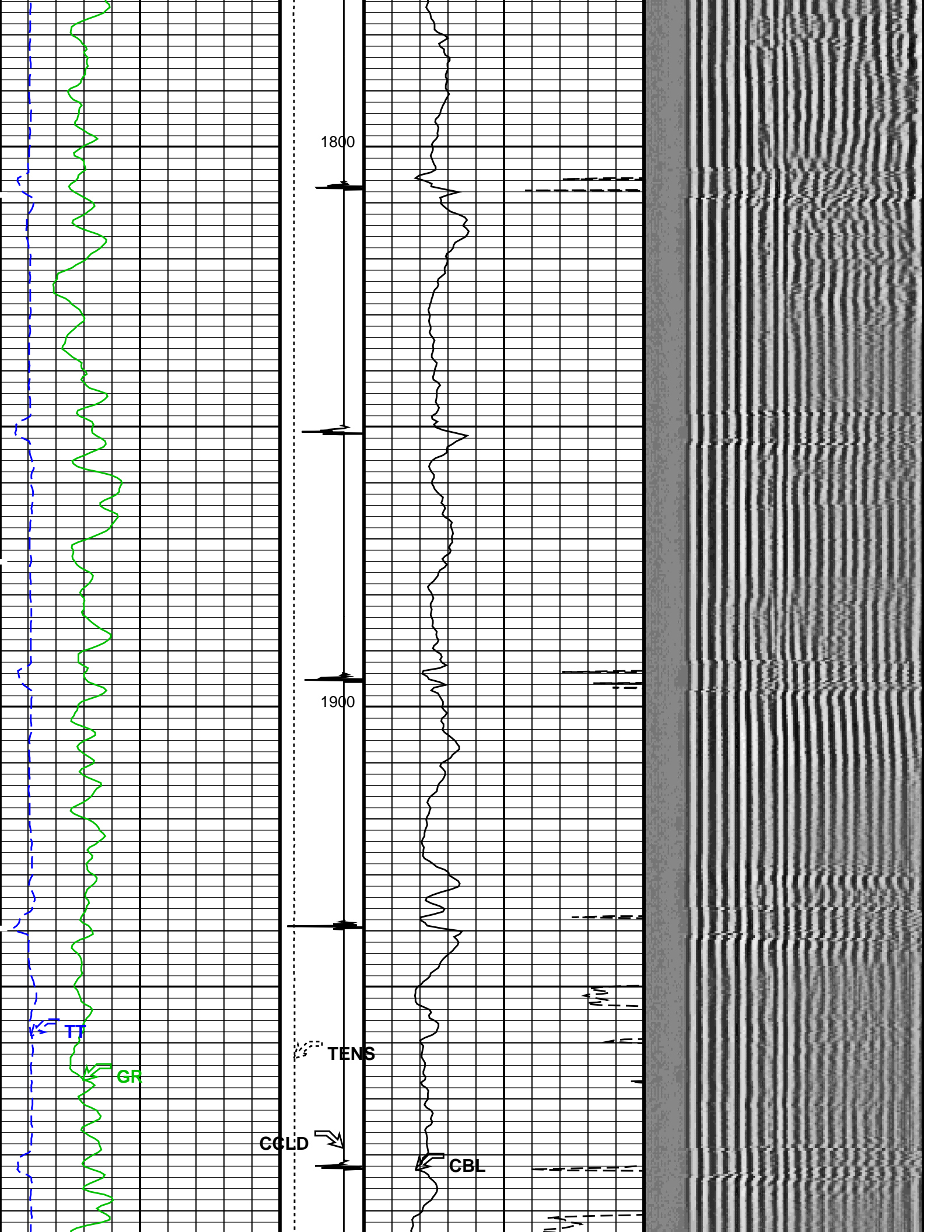


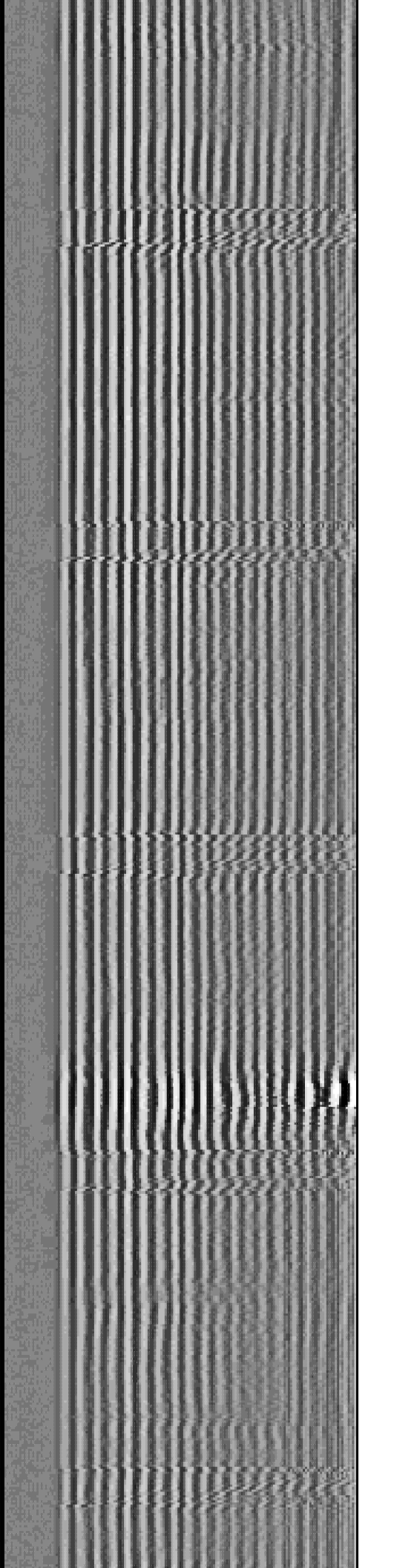
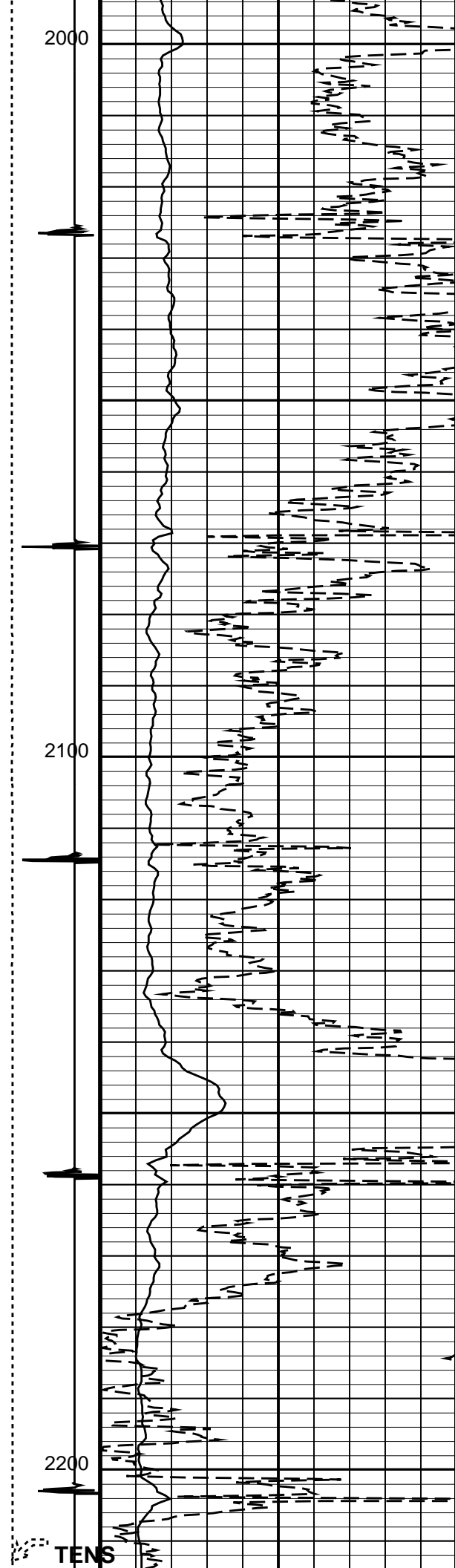
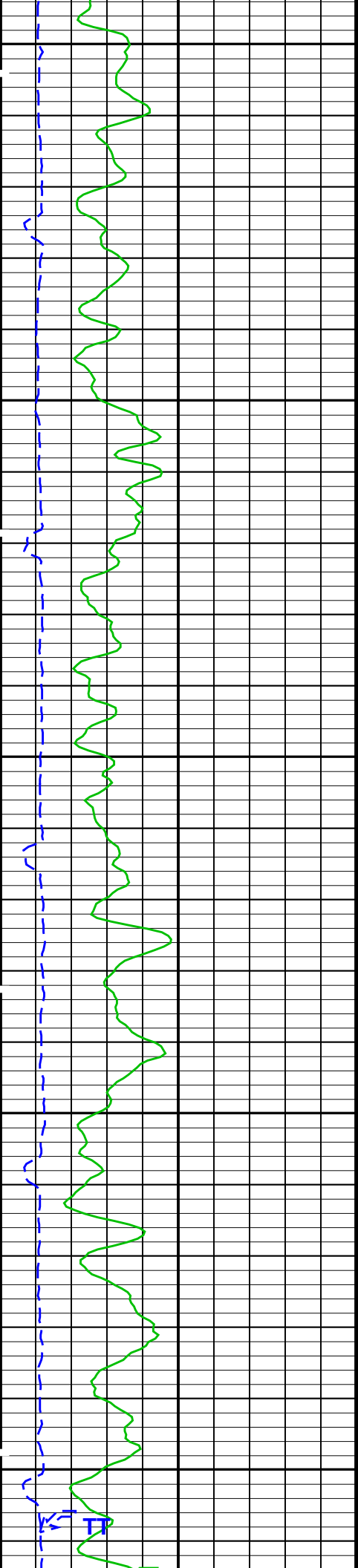




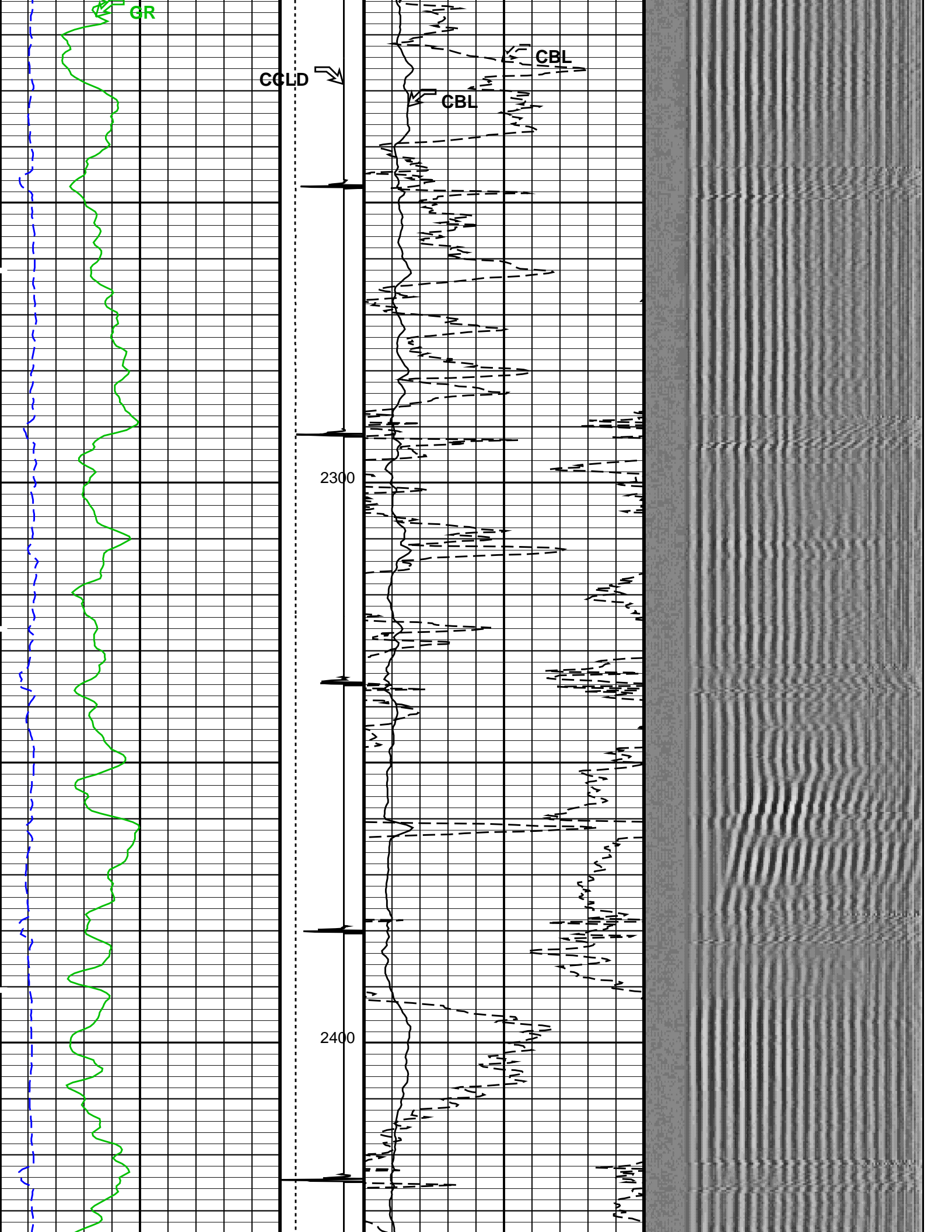


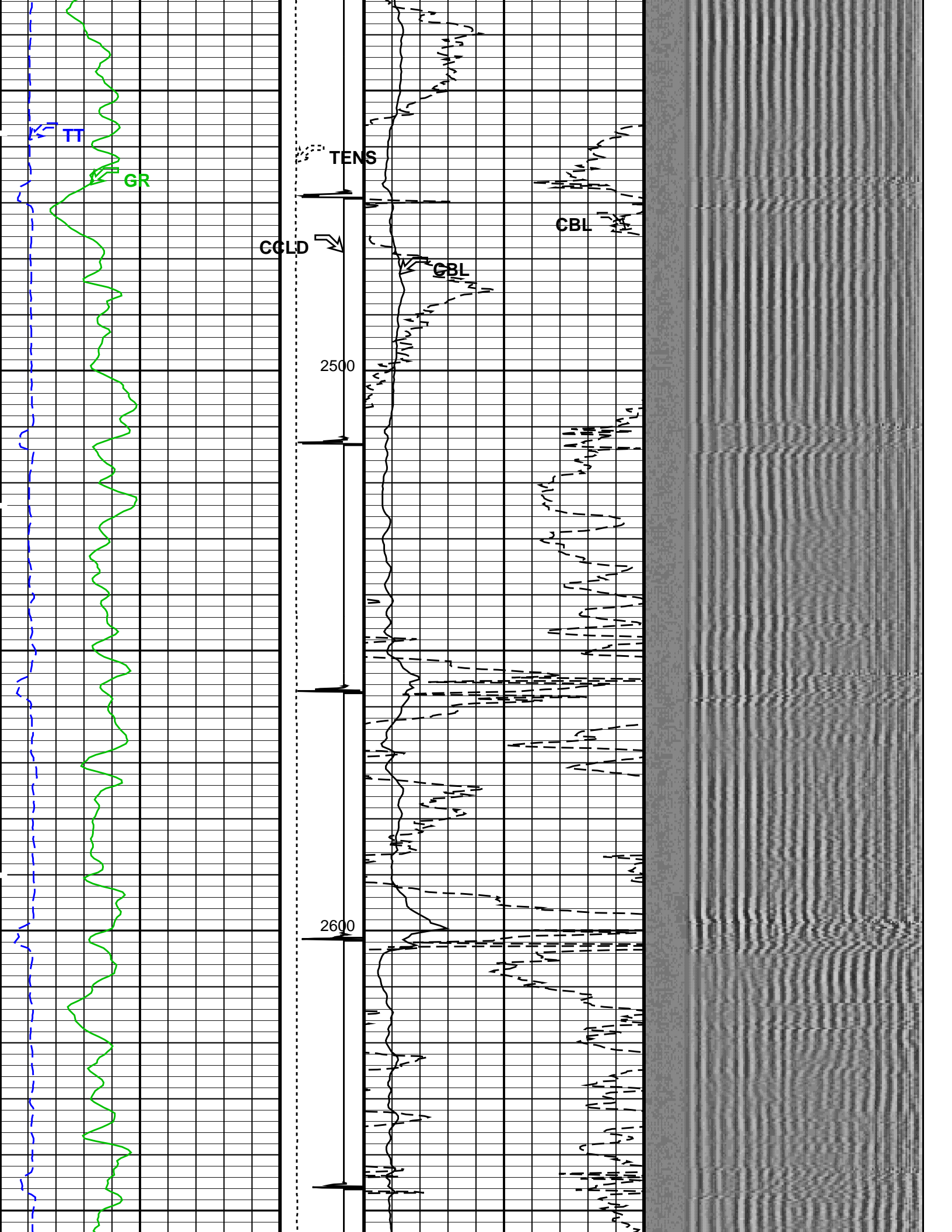


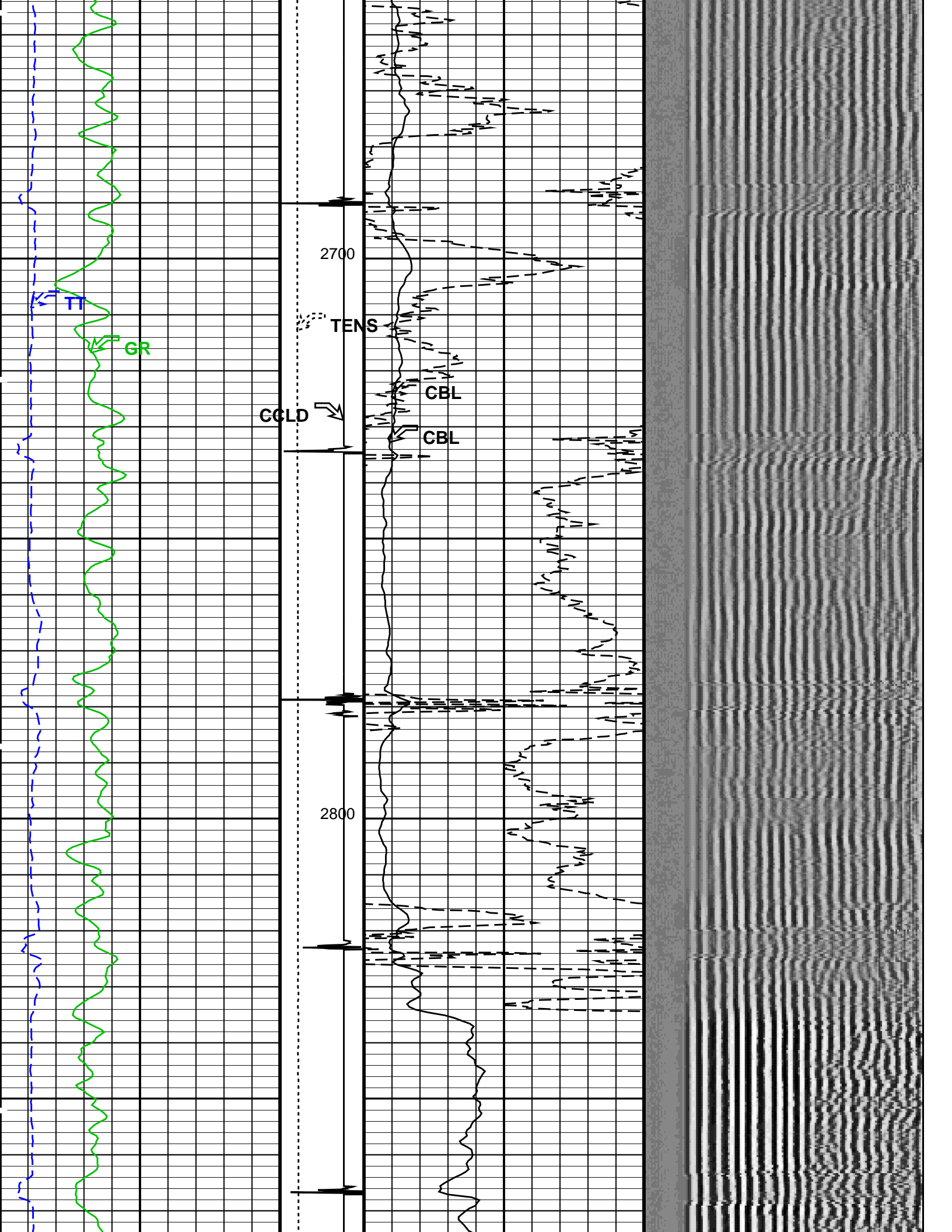


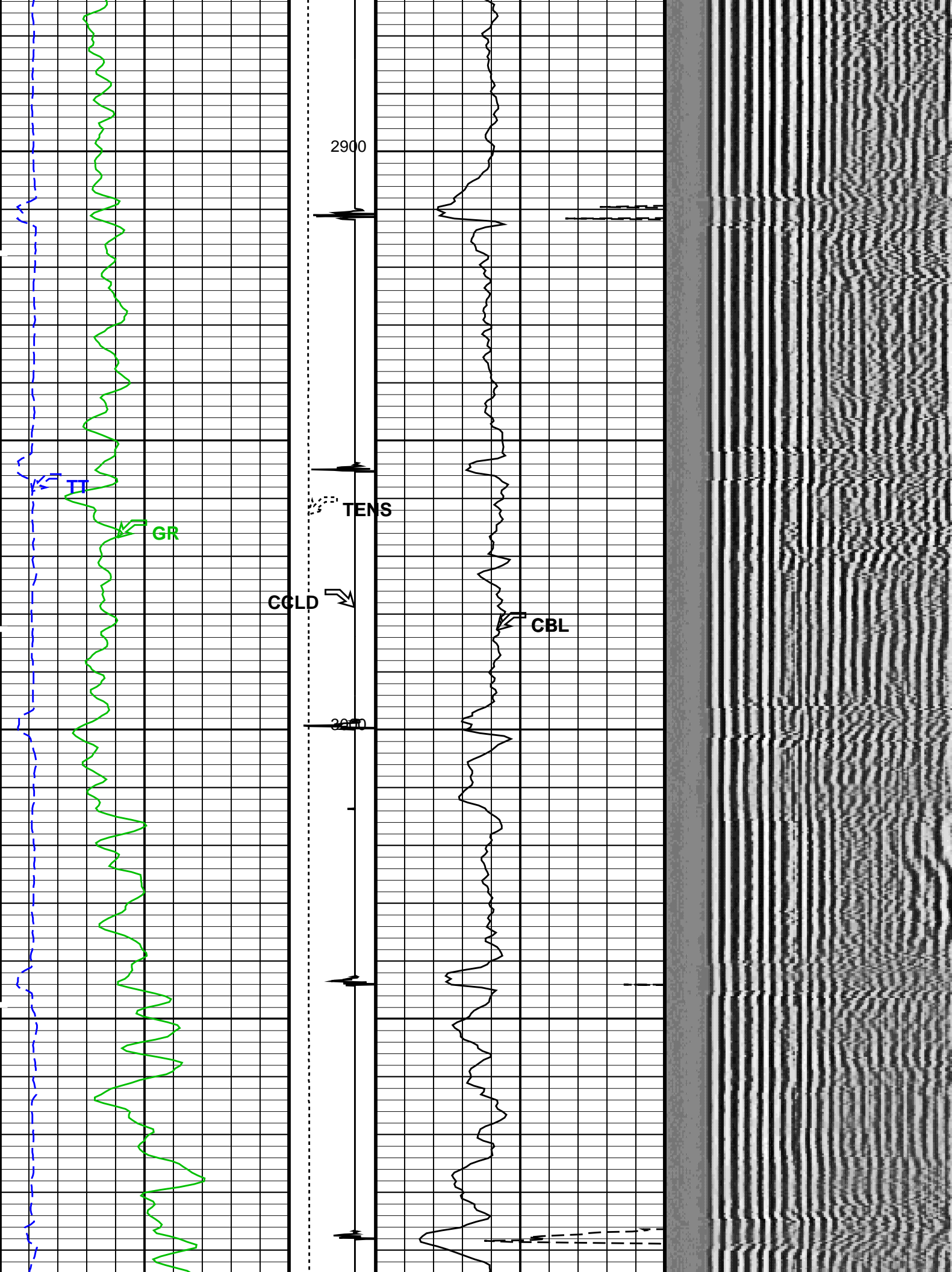


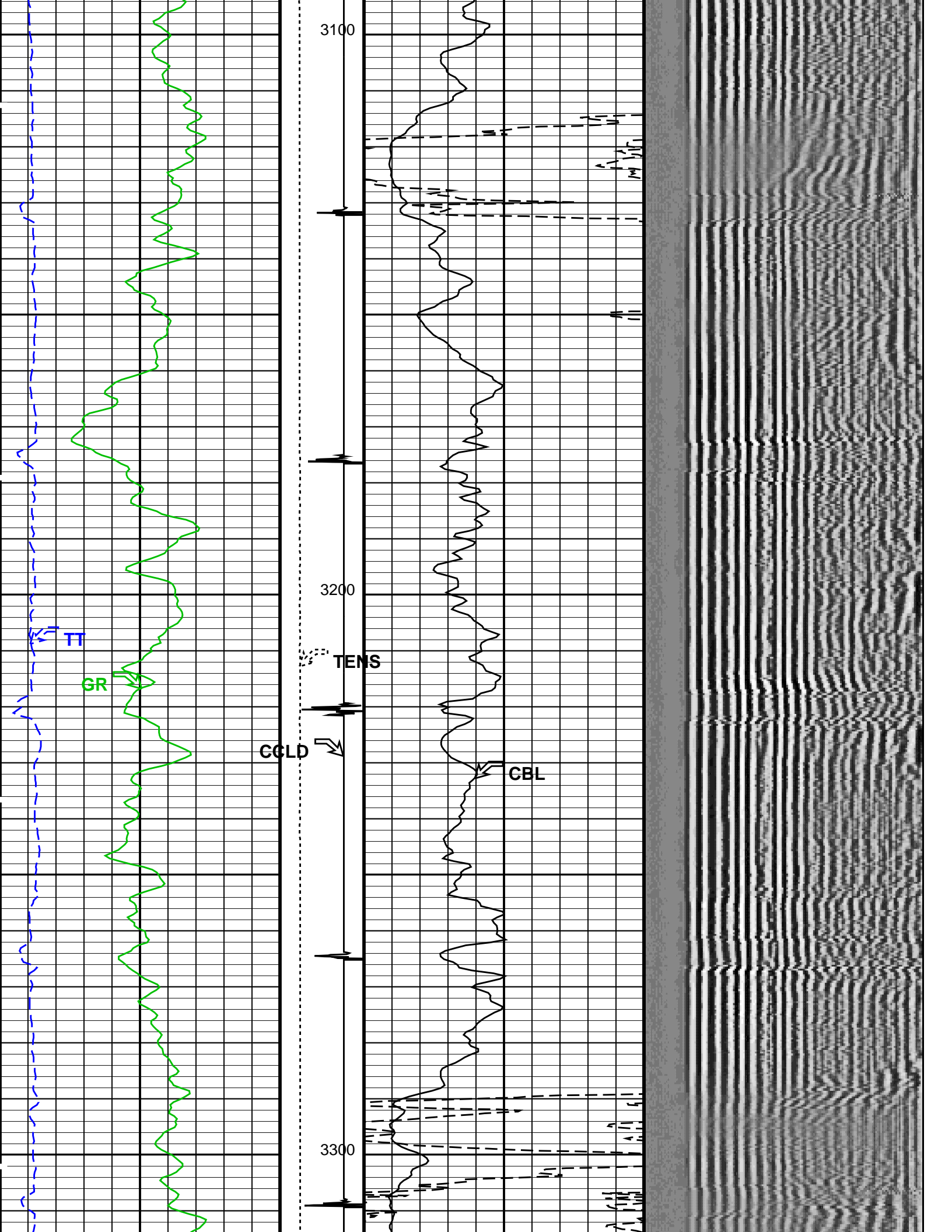
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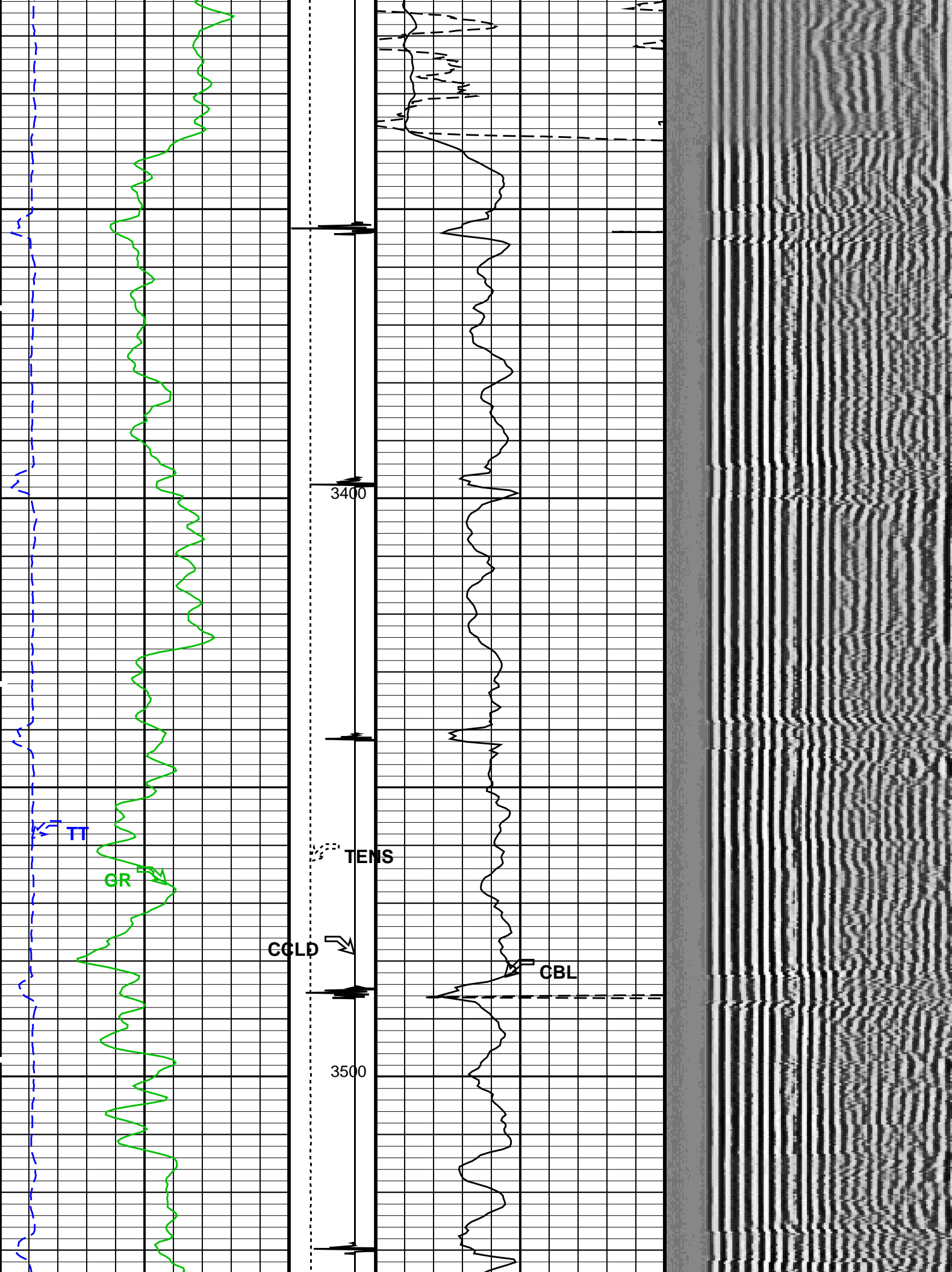


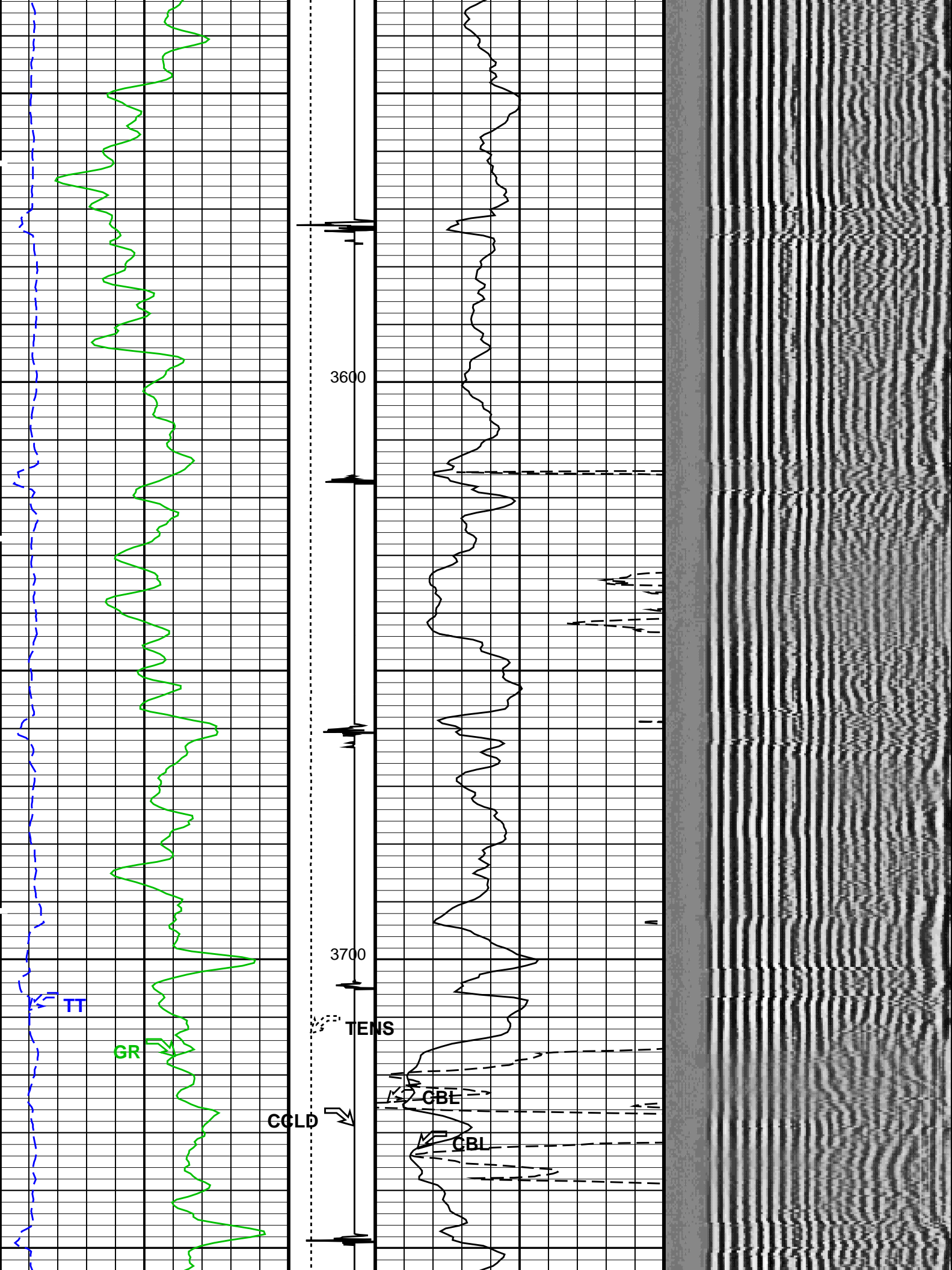


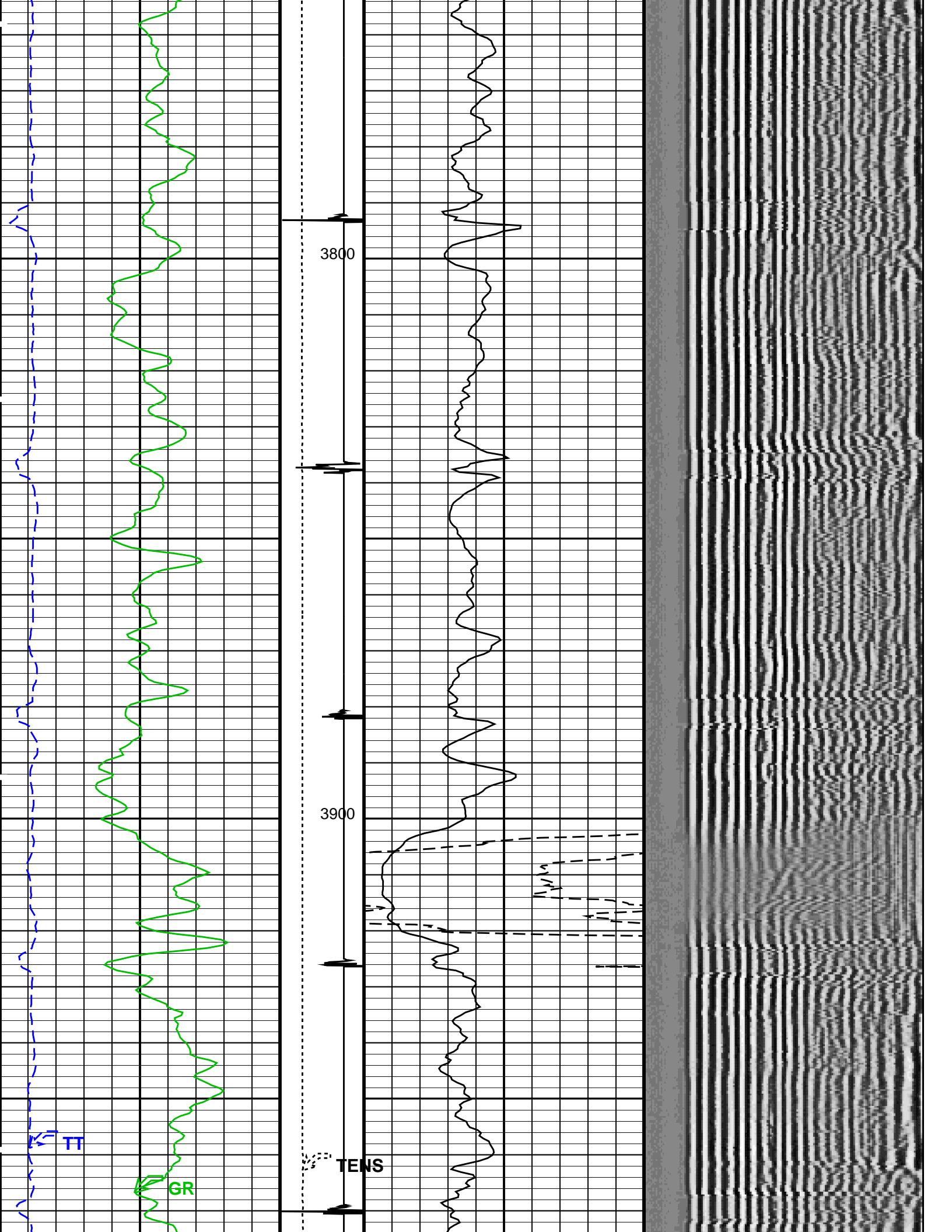


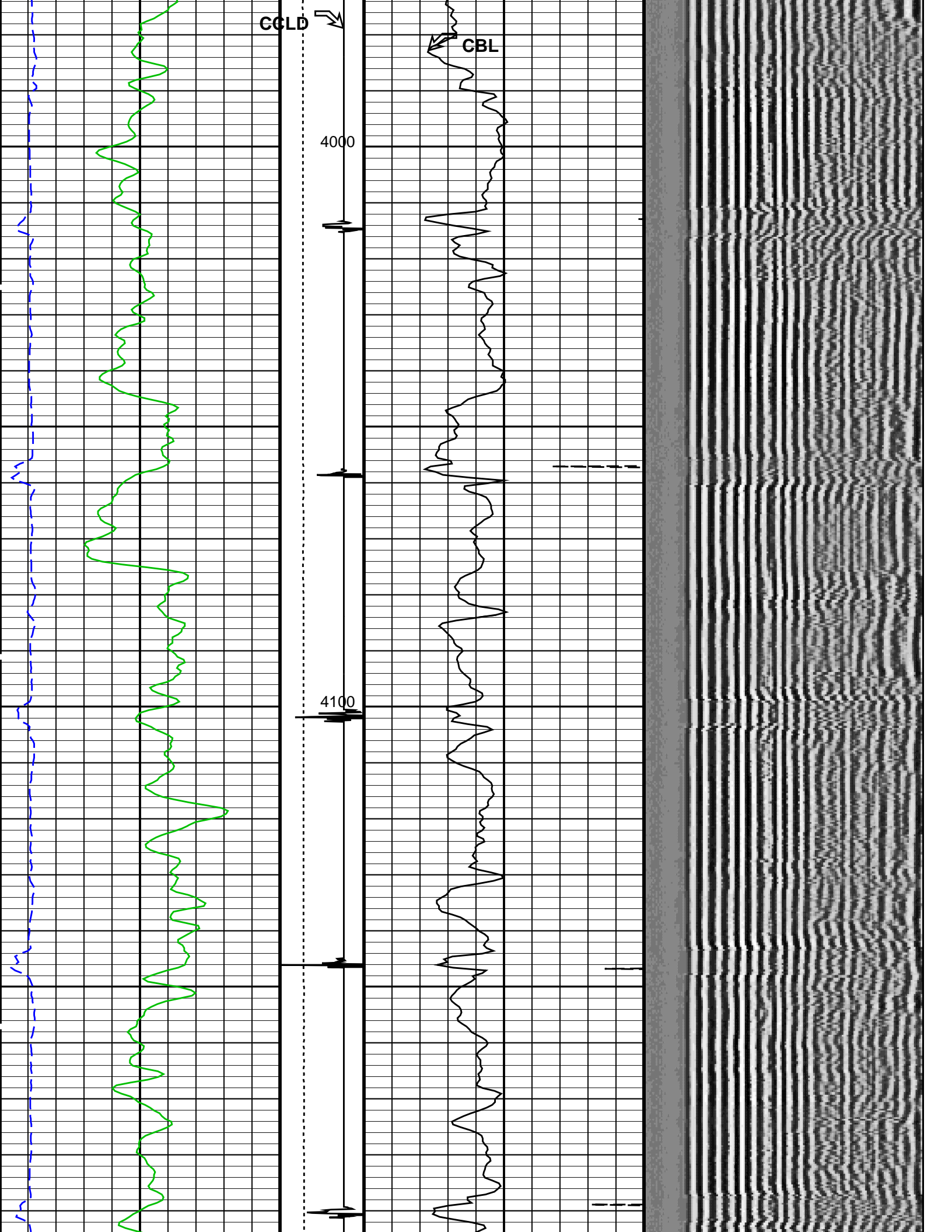


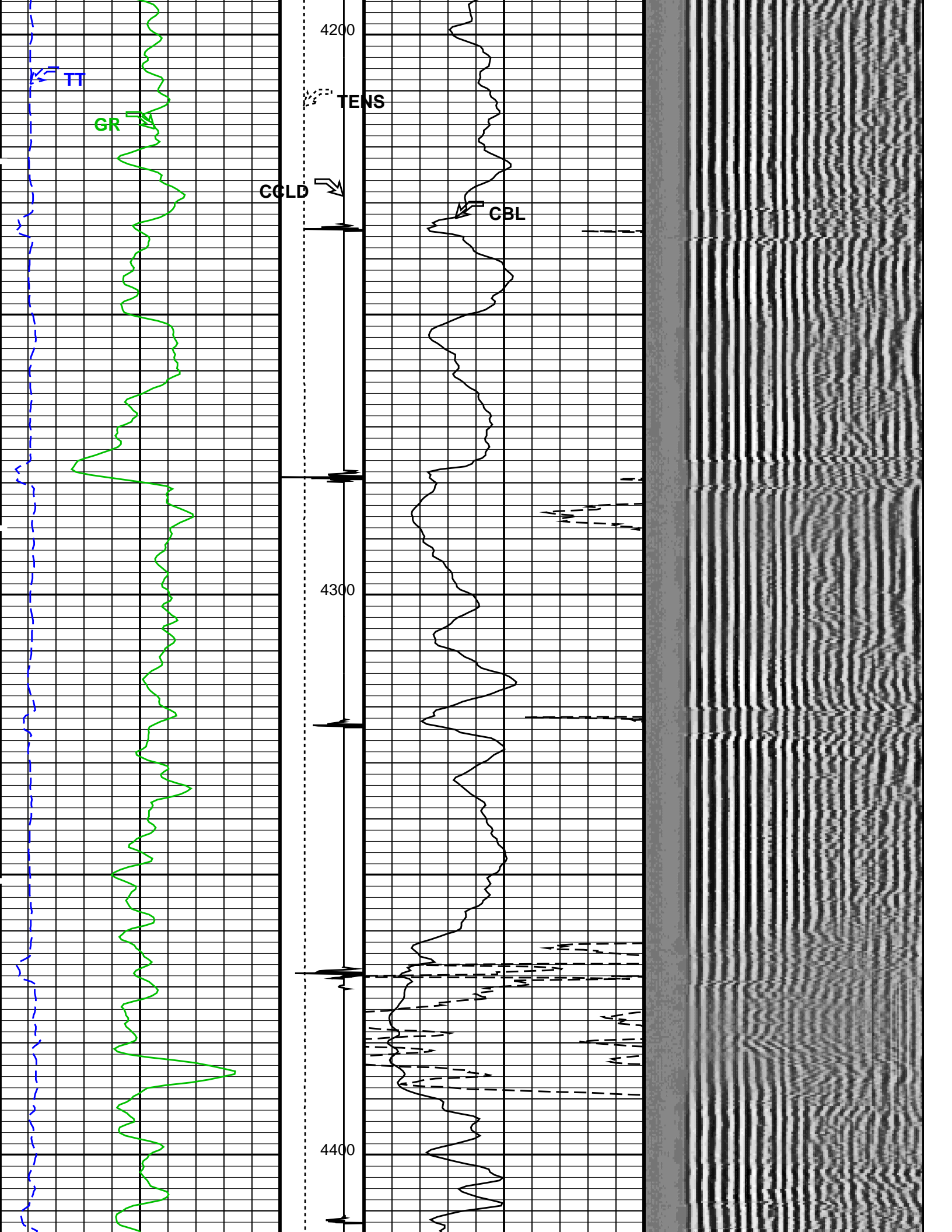


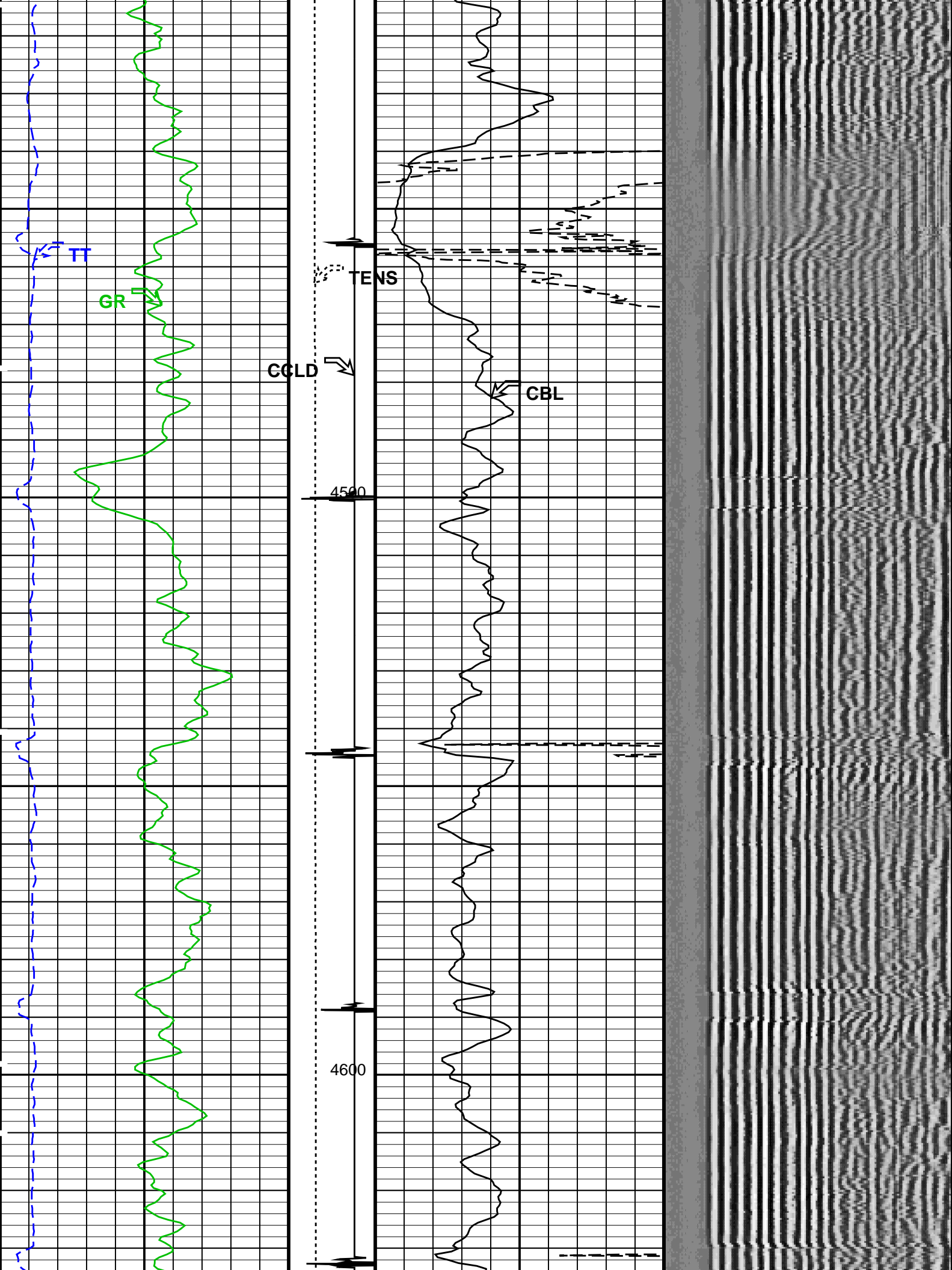


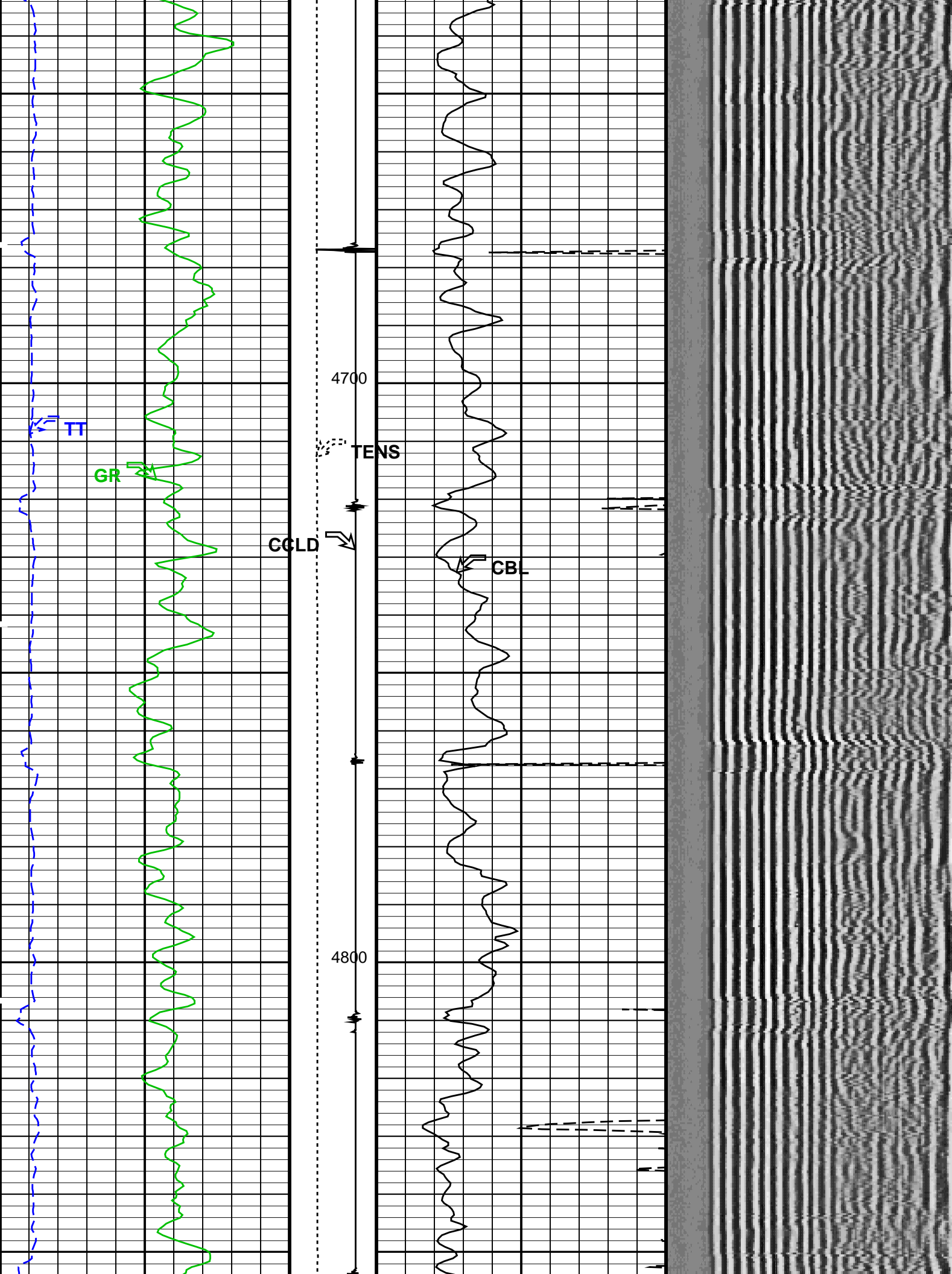


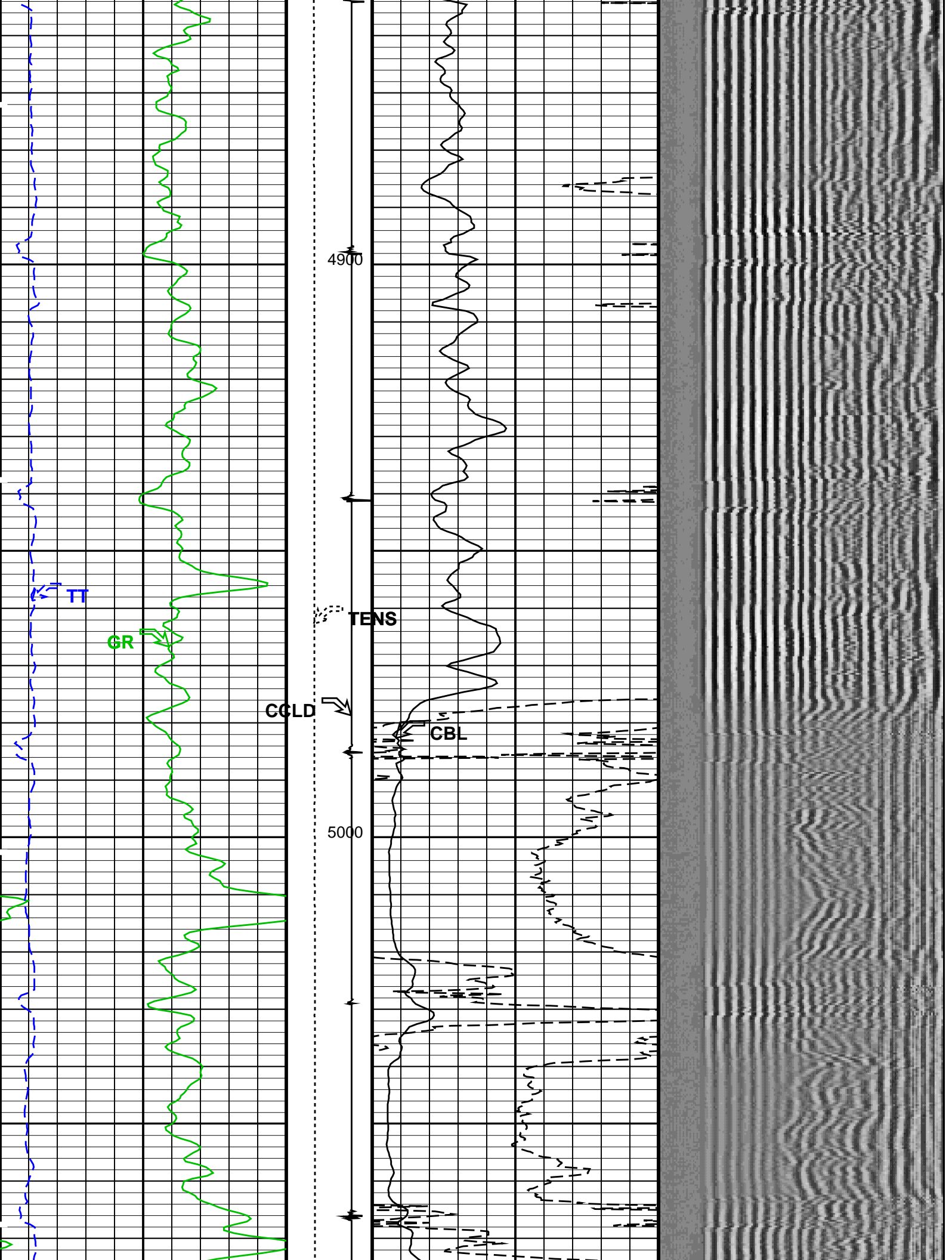


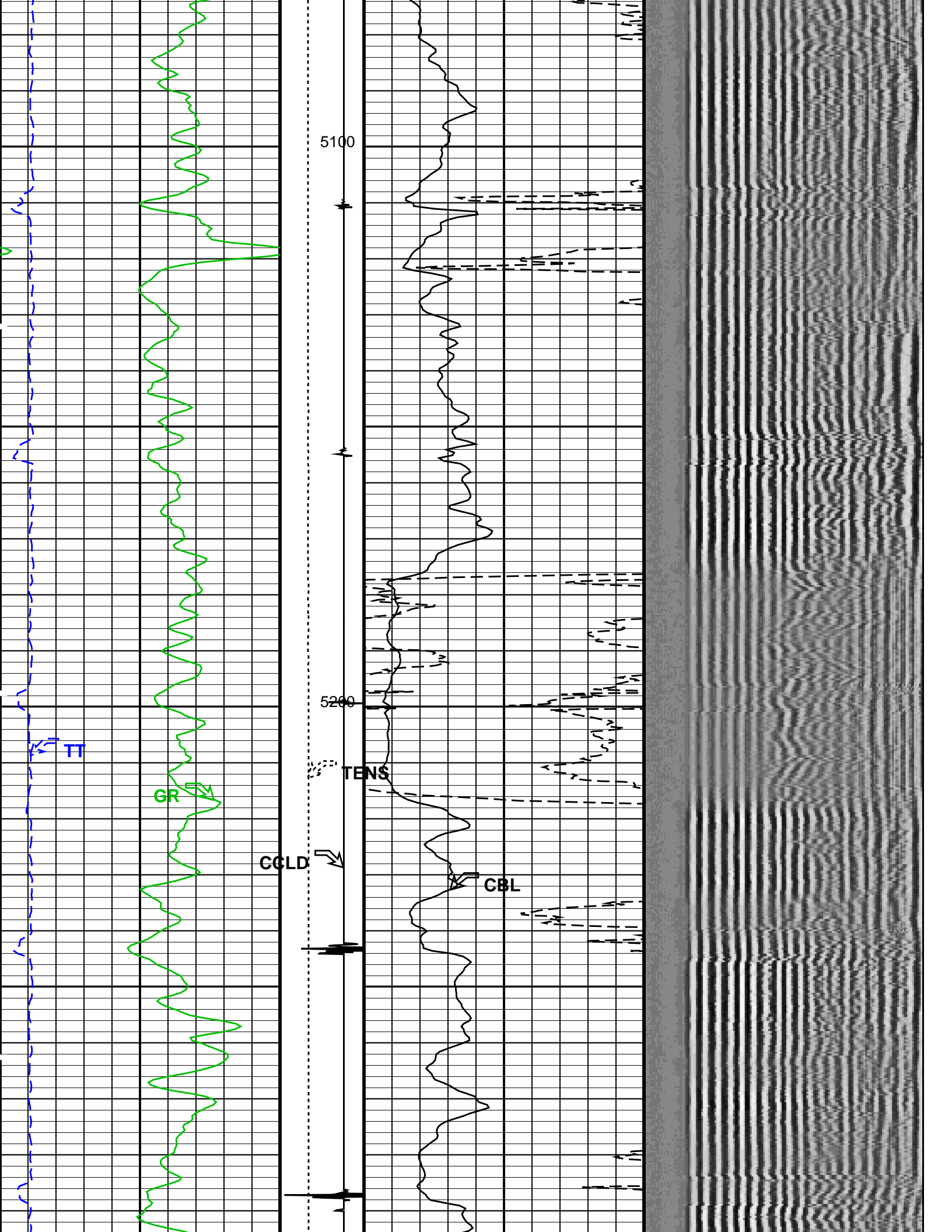


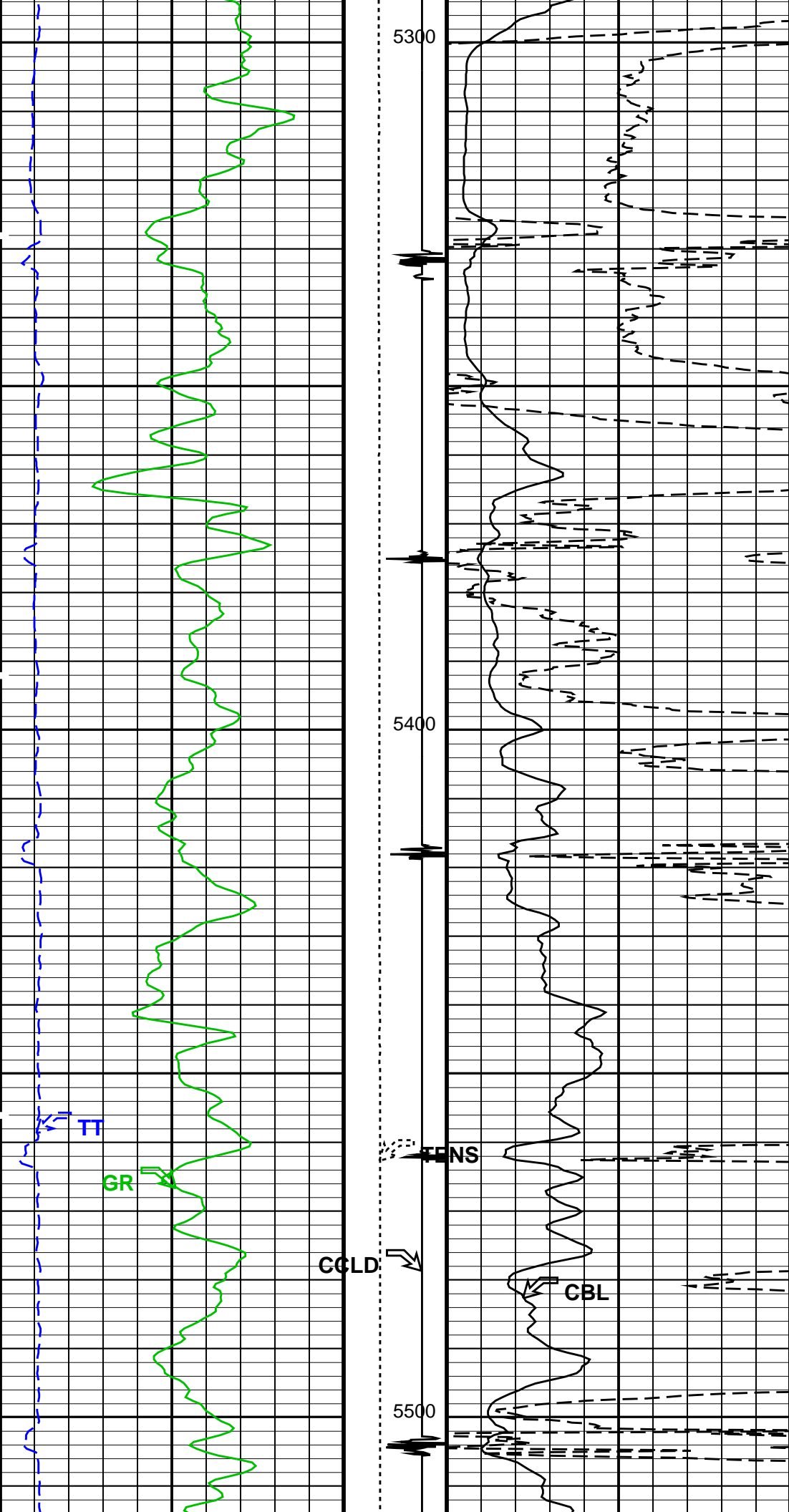


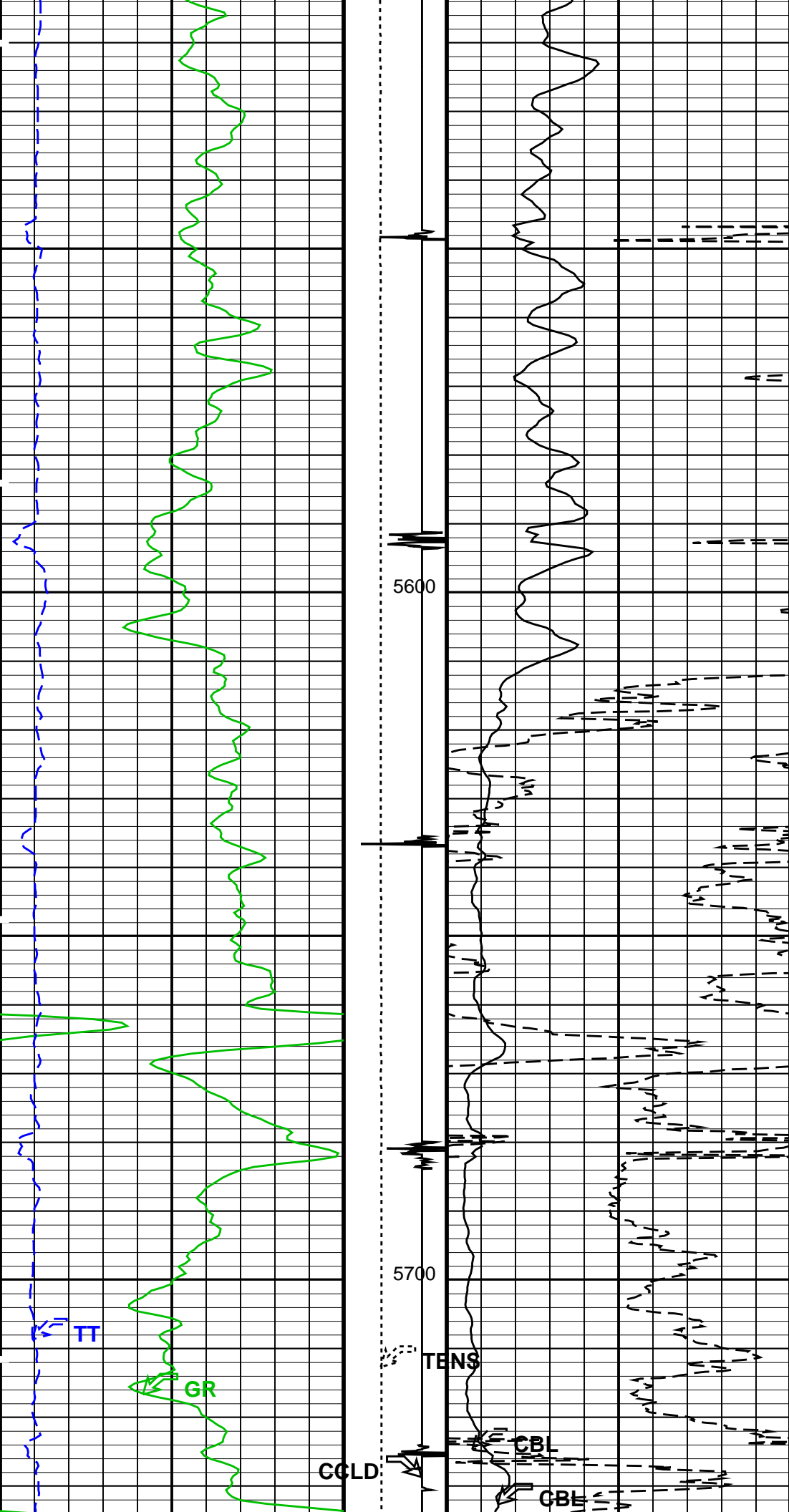


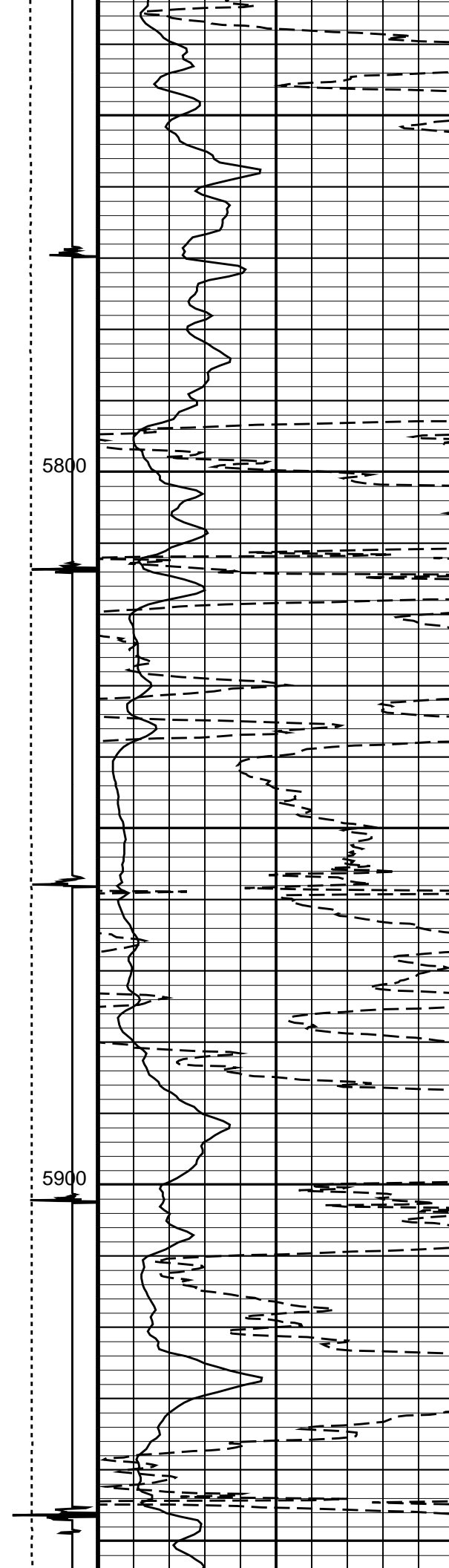
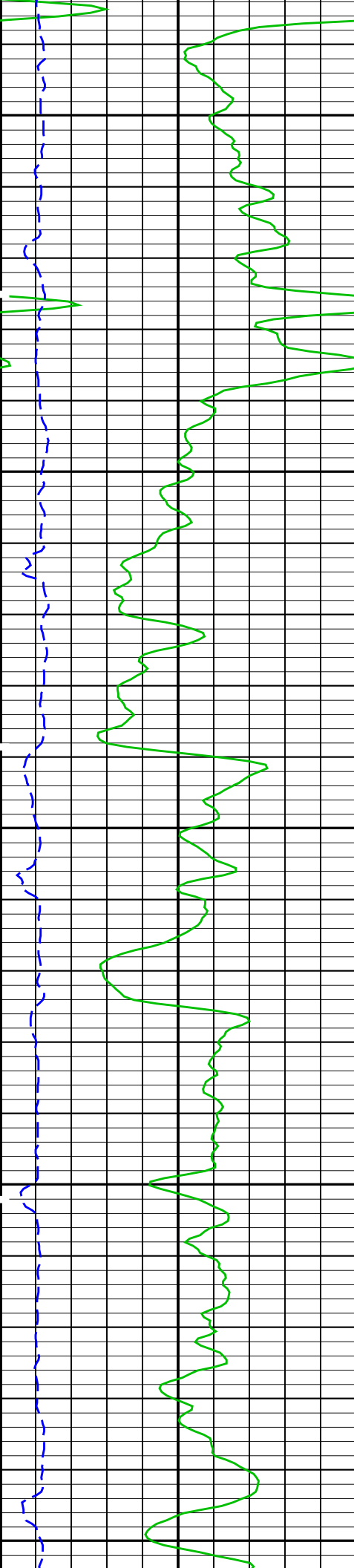


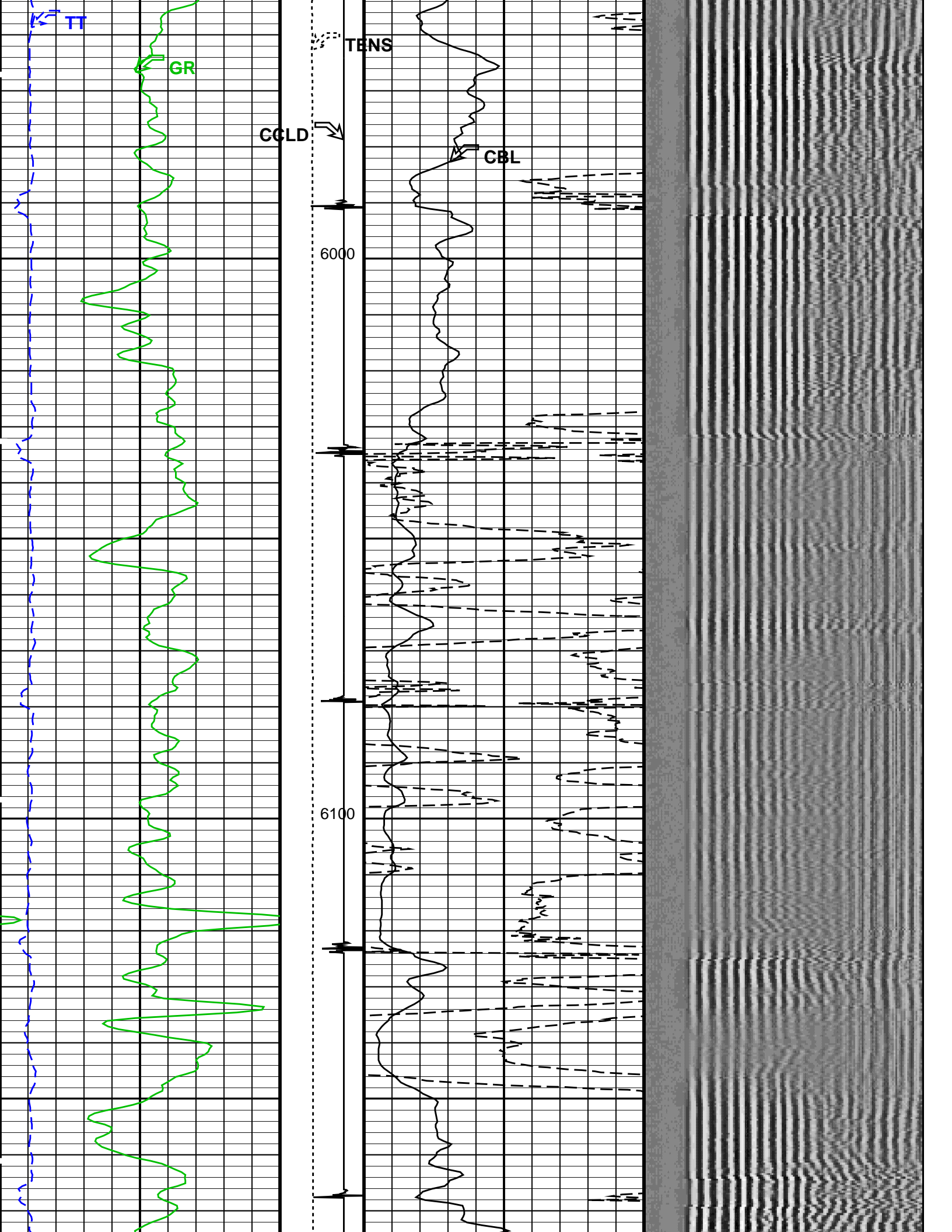


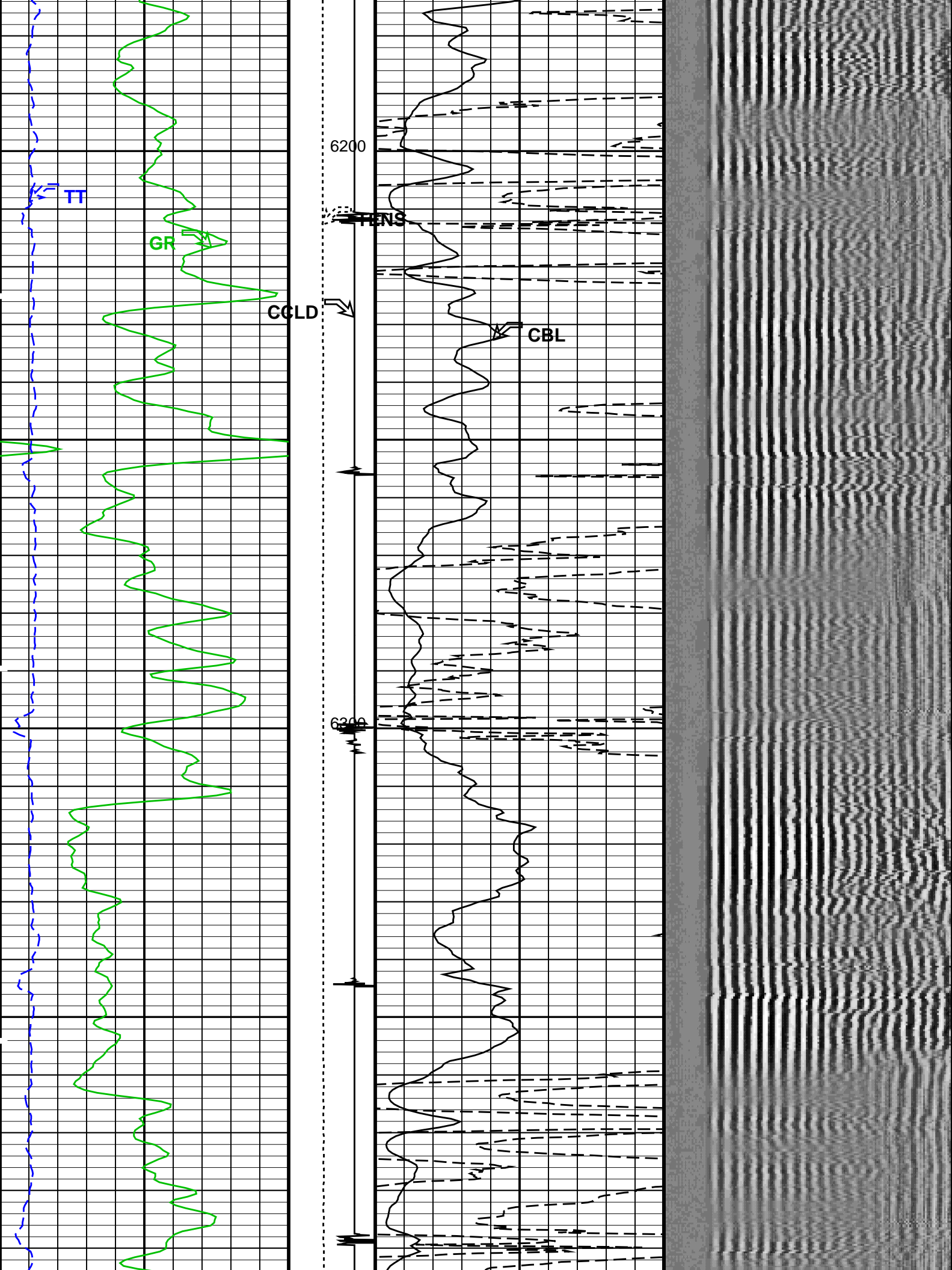


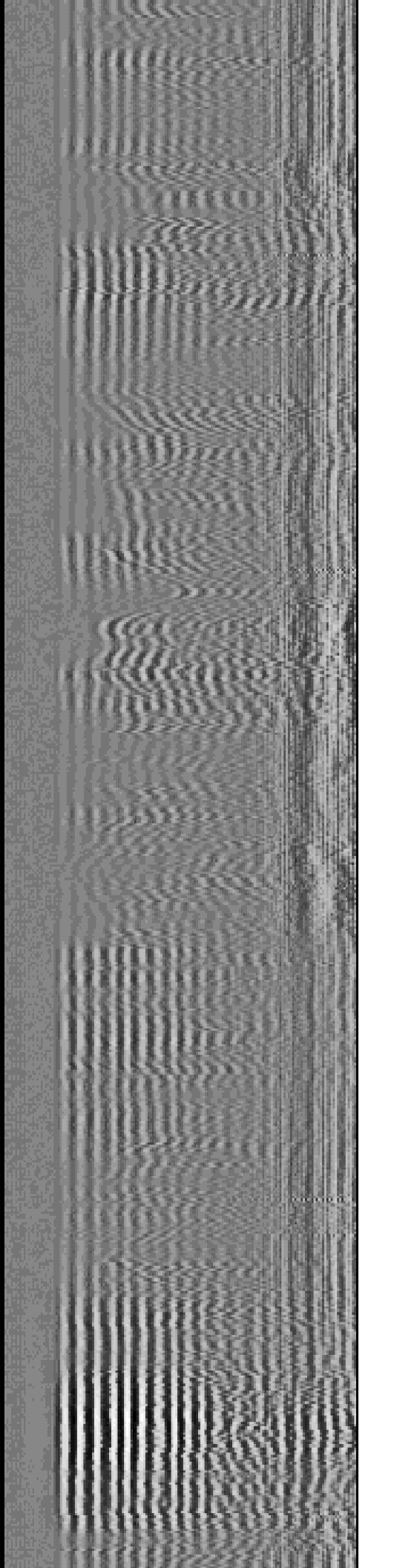
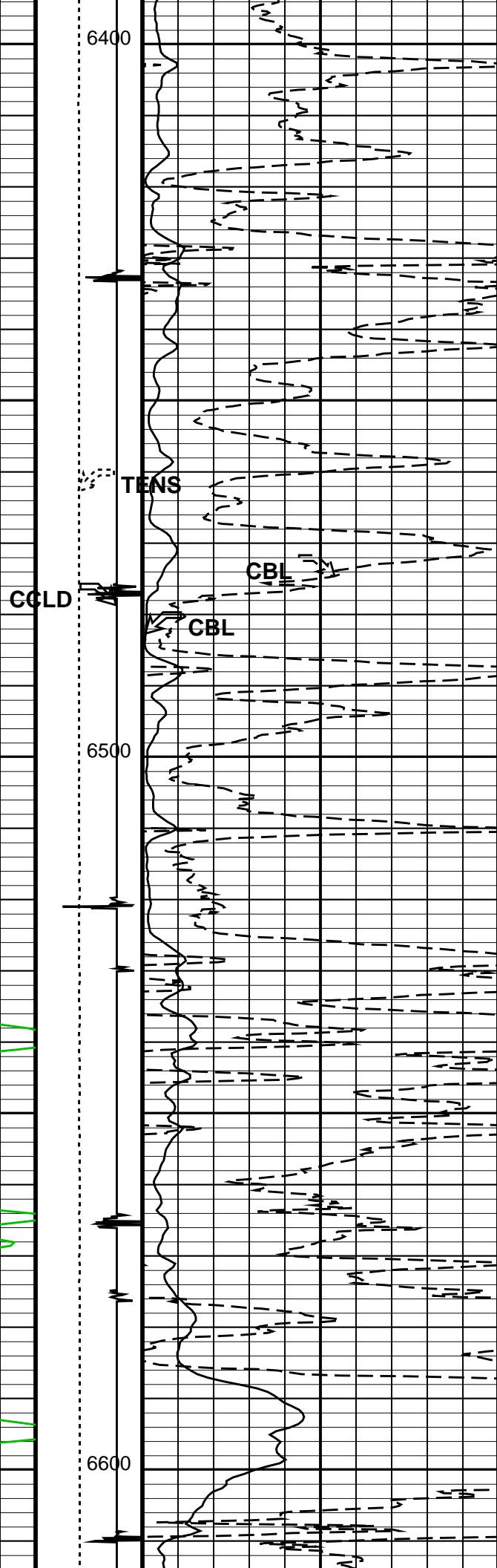
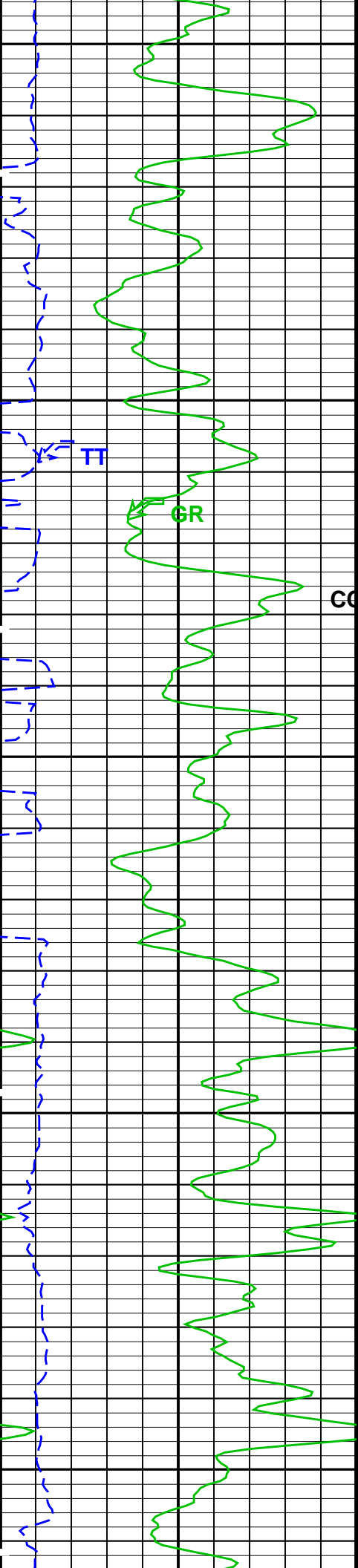


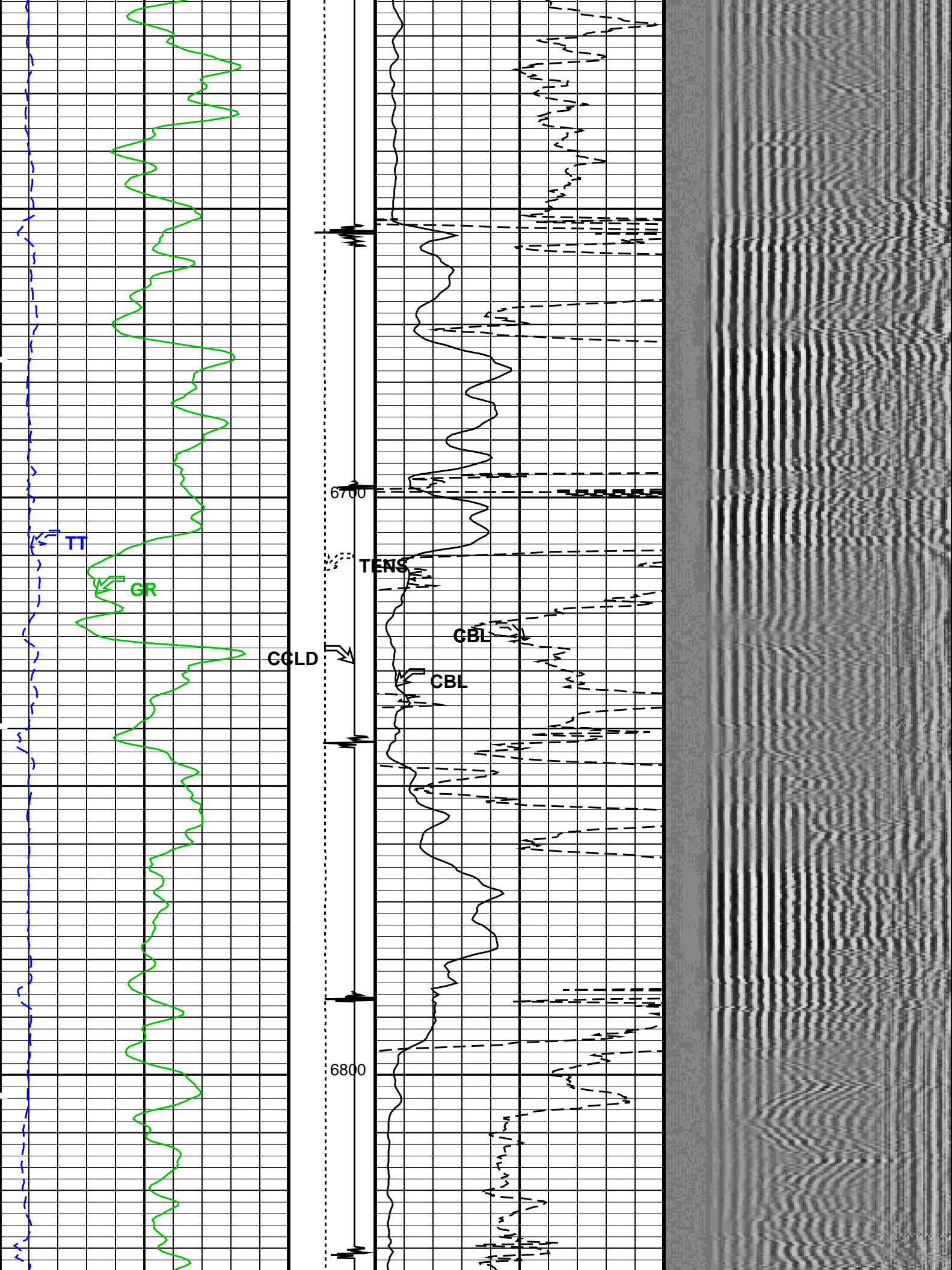


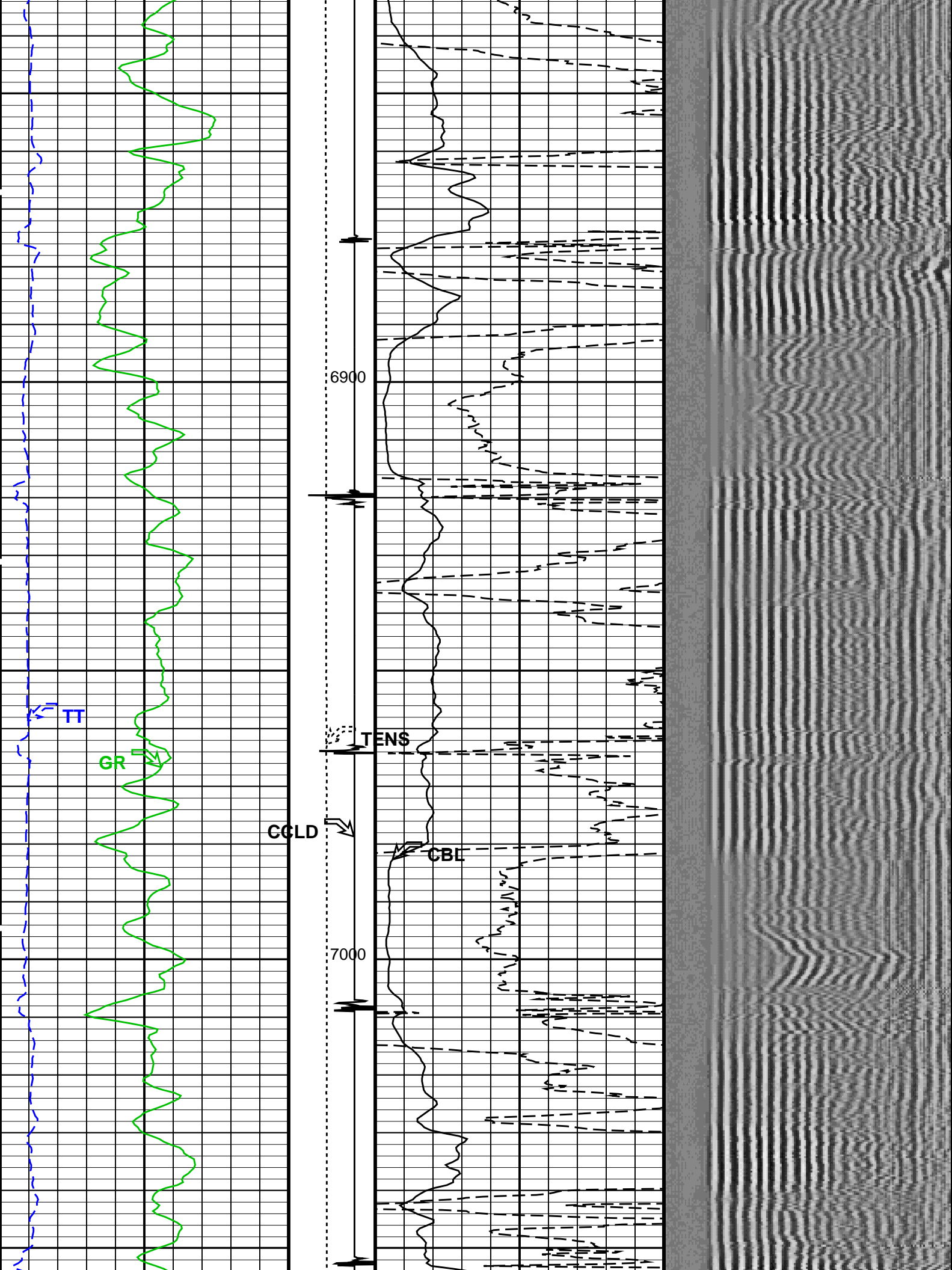


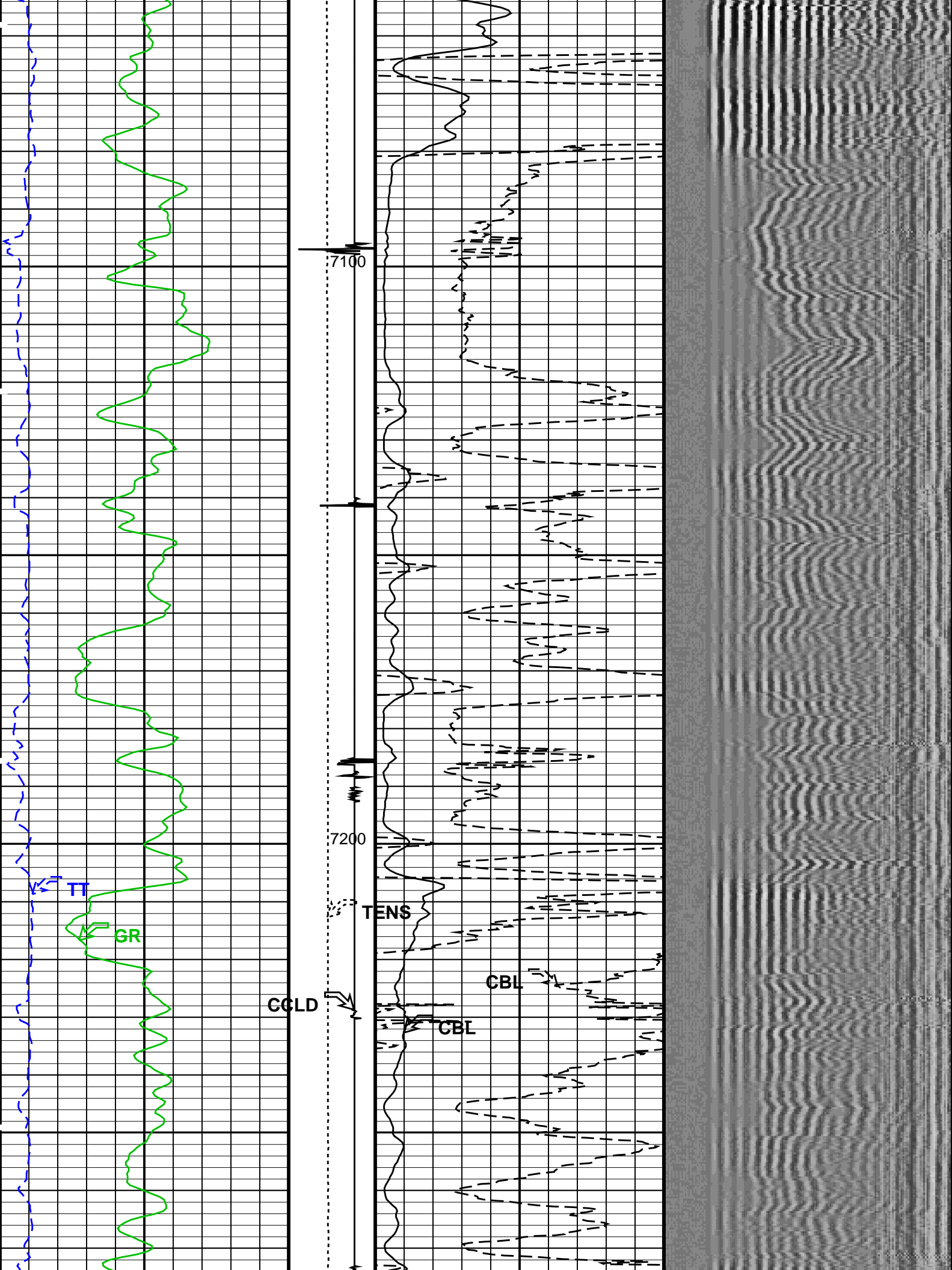


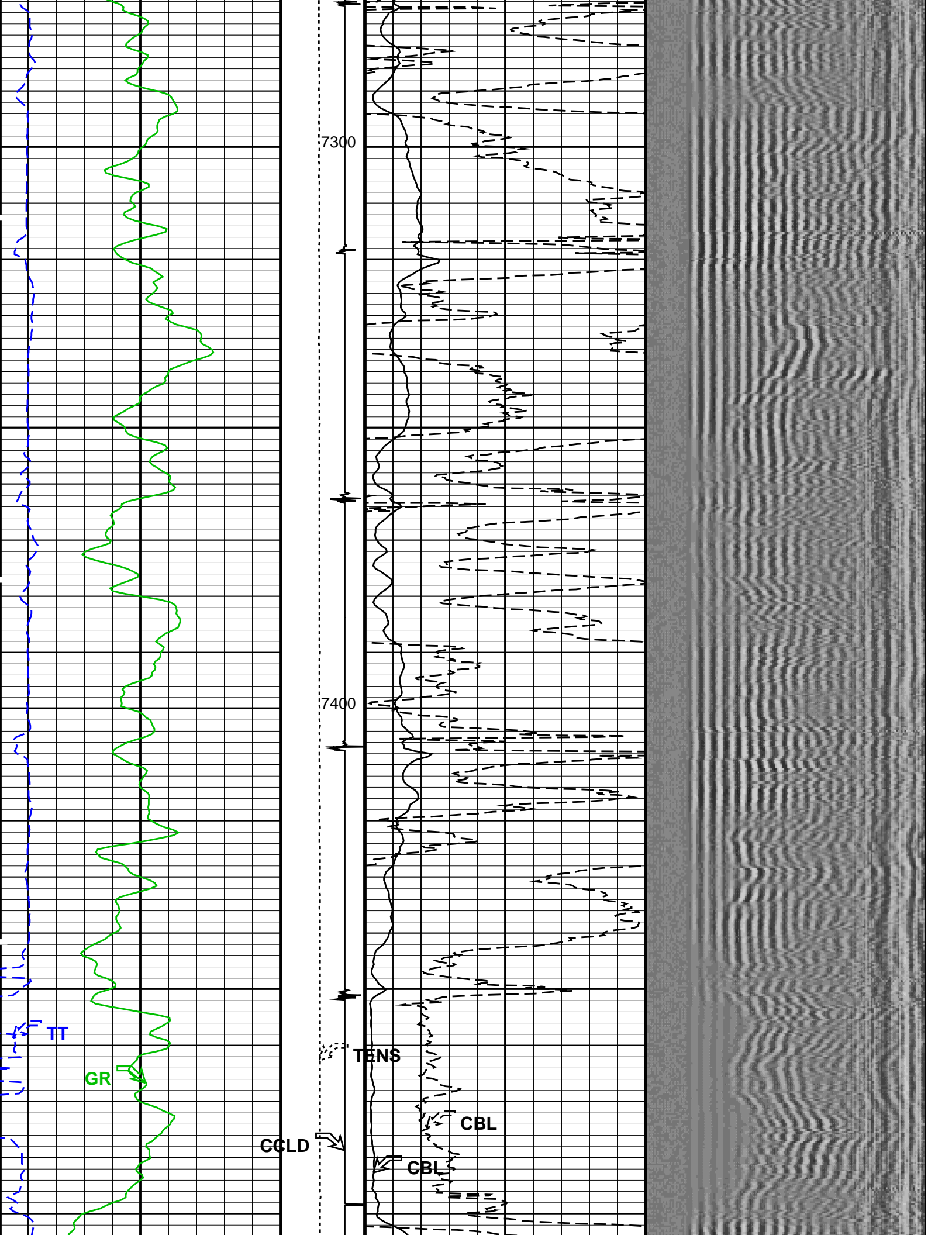




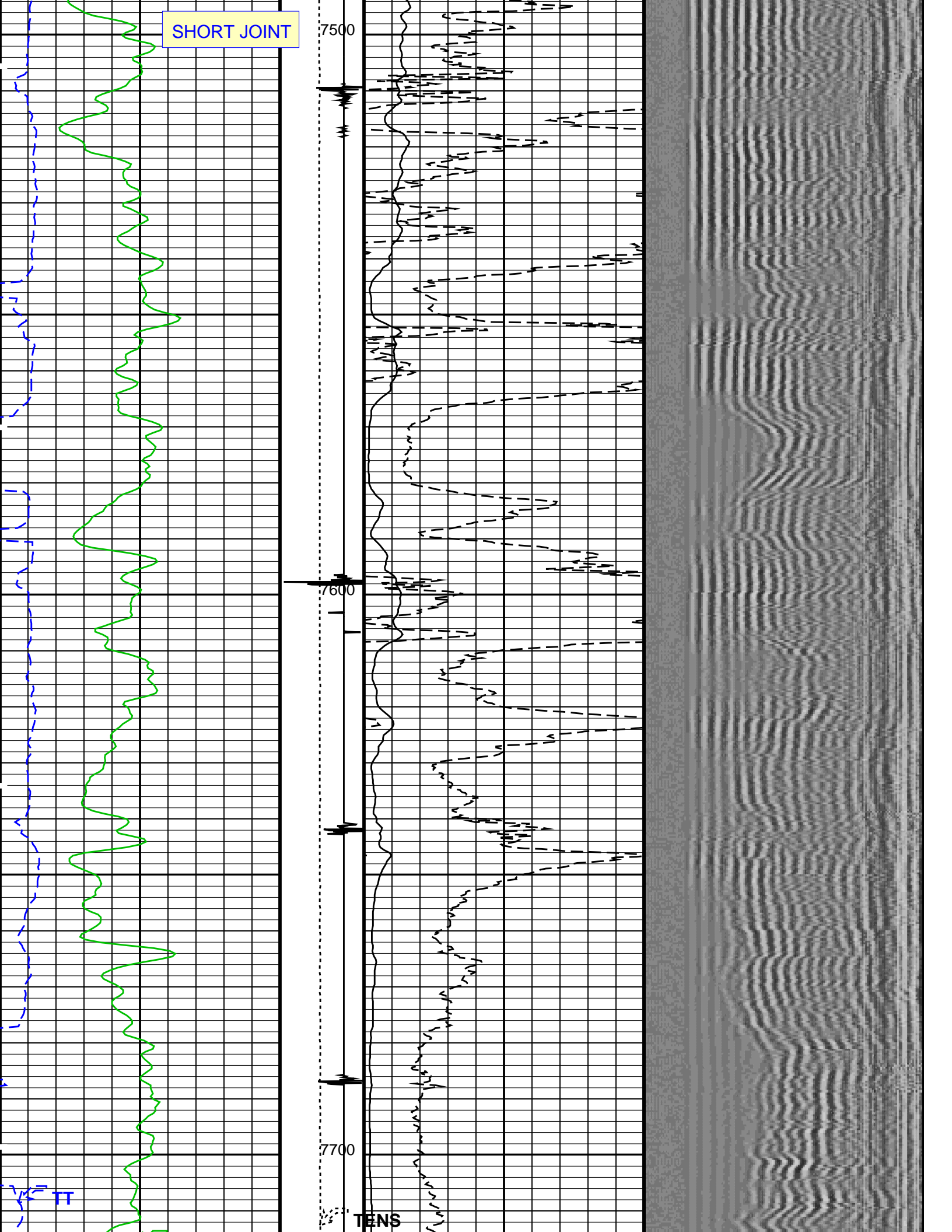








SHORT JOINT



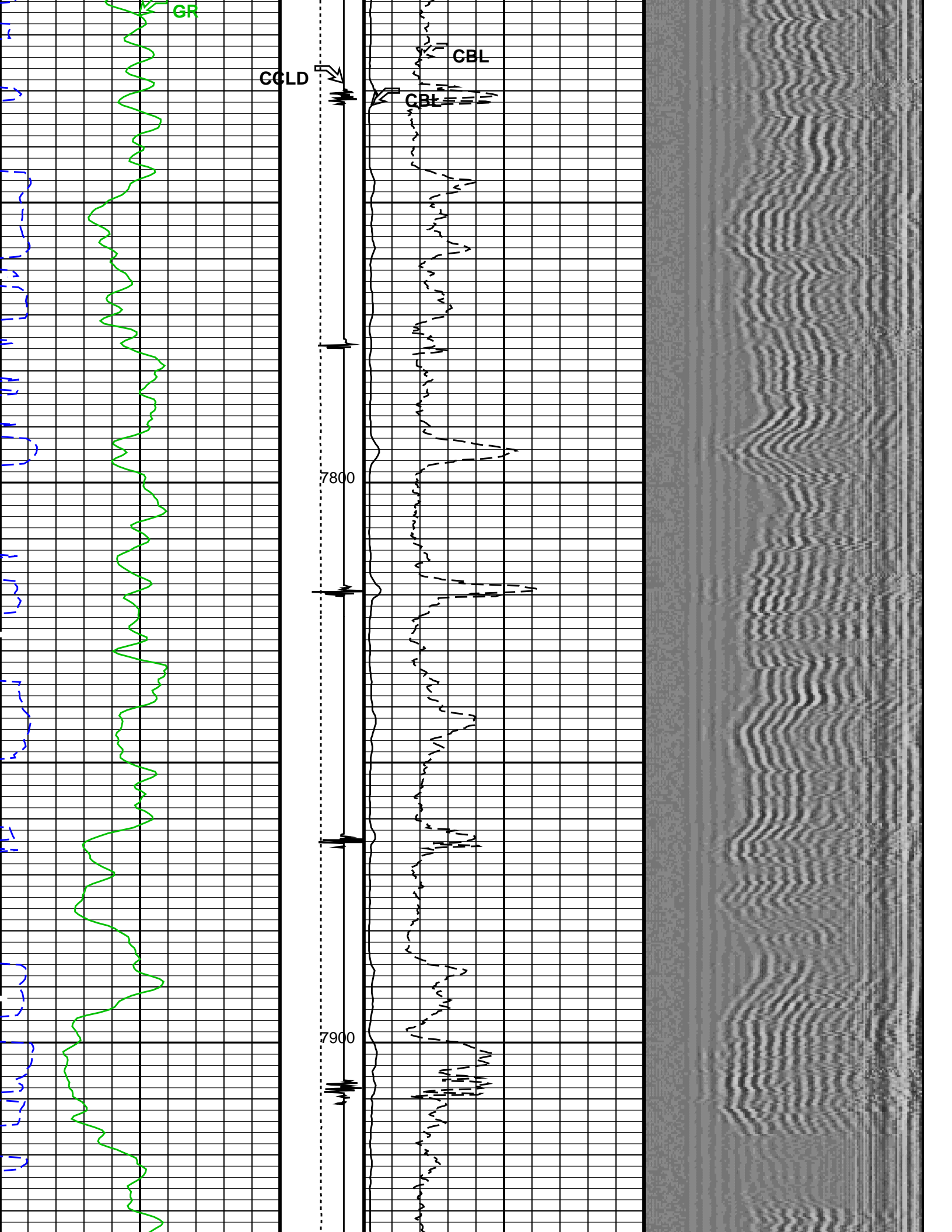
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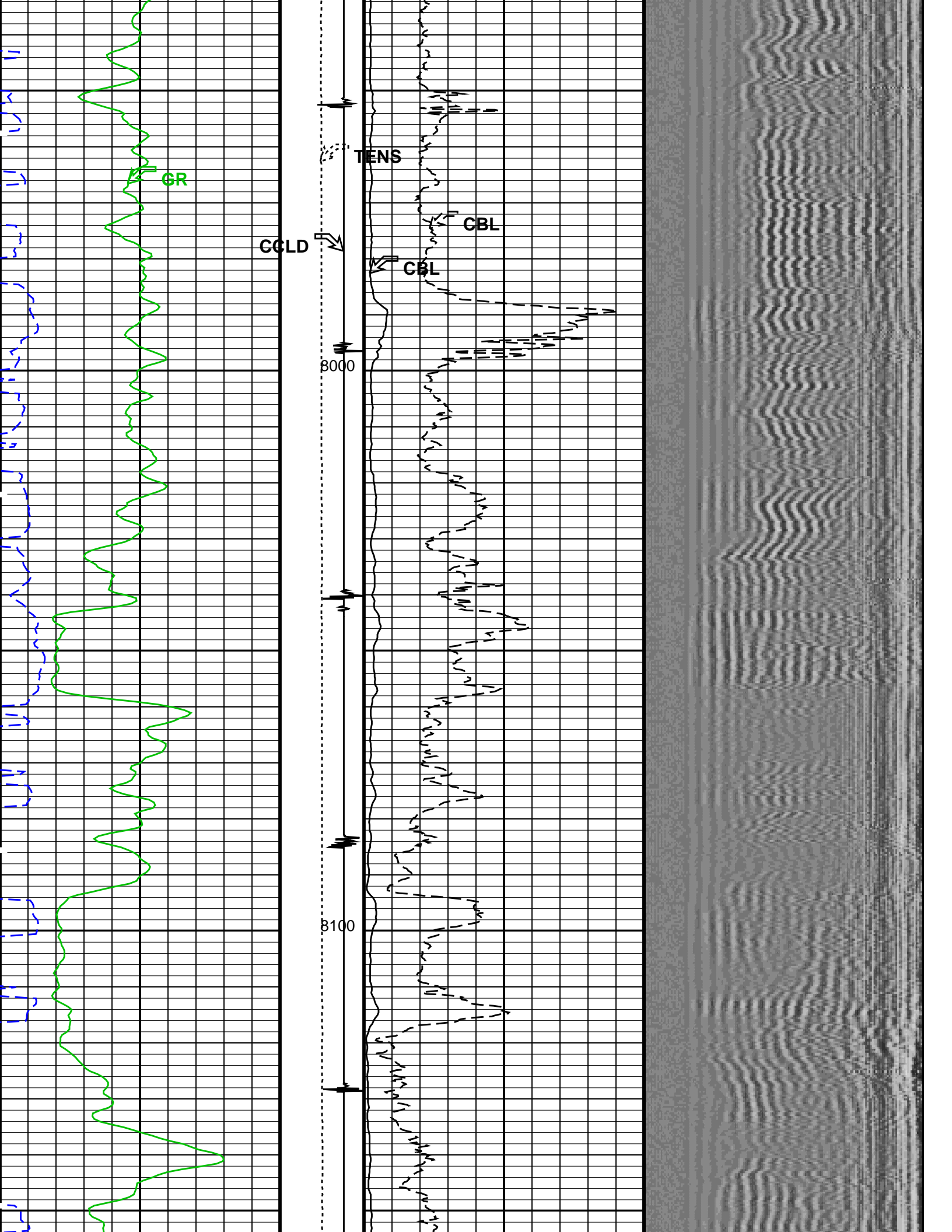
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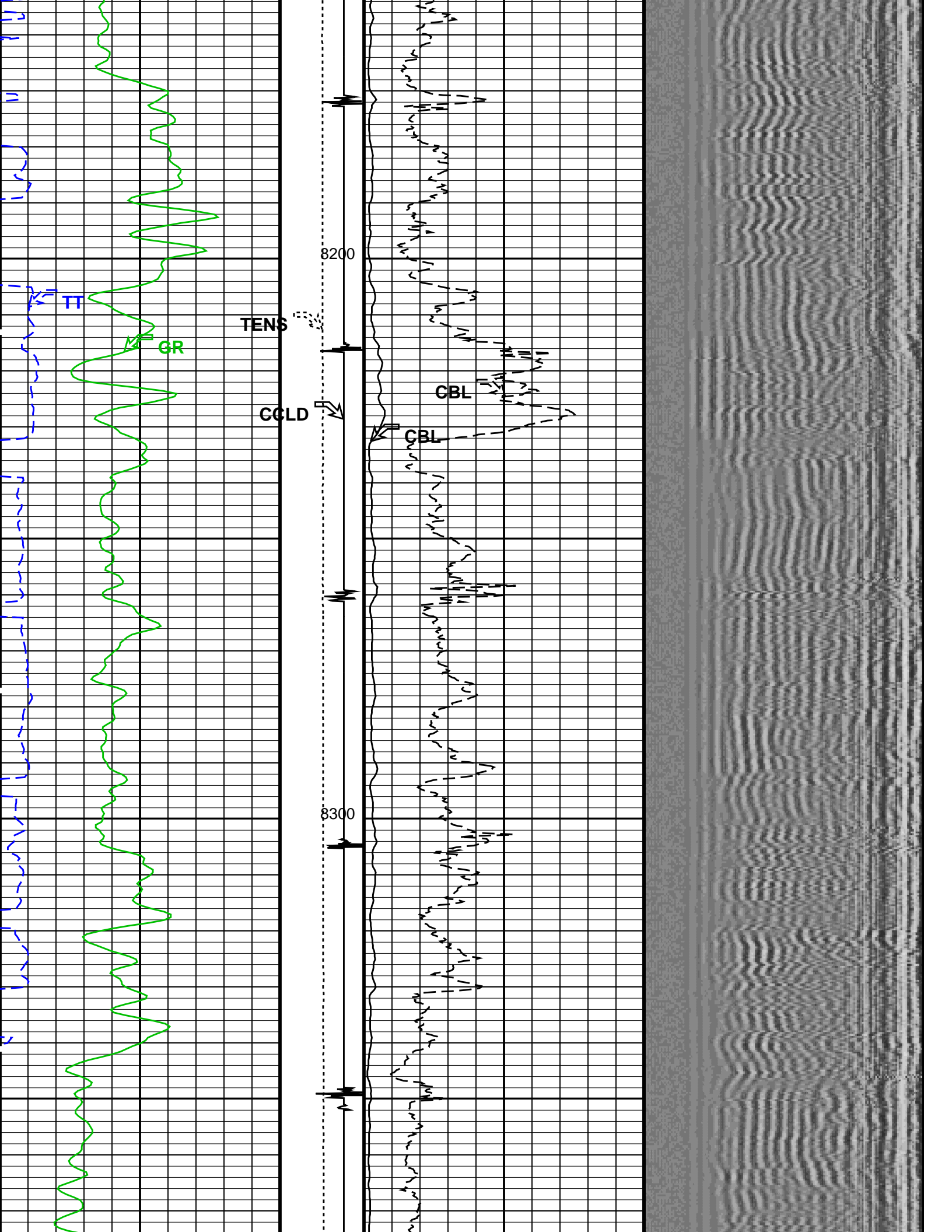
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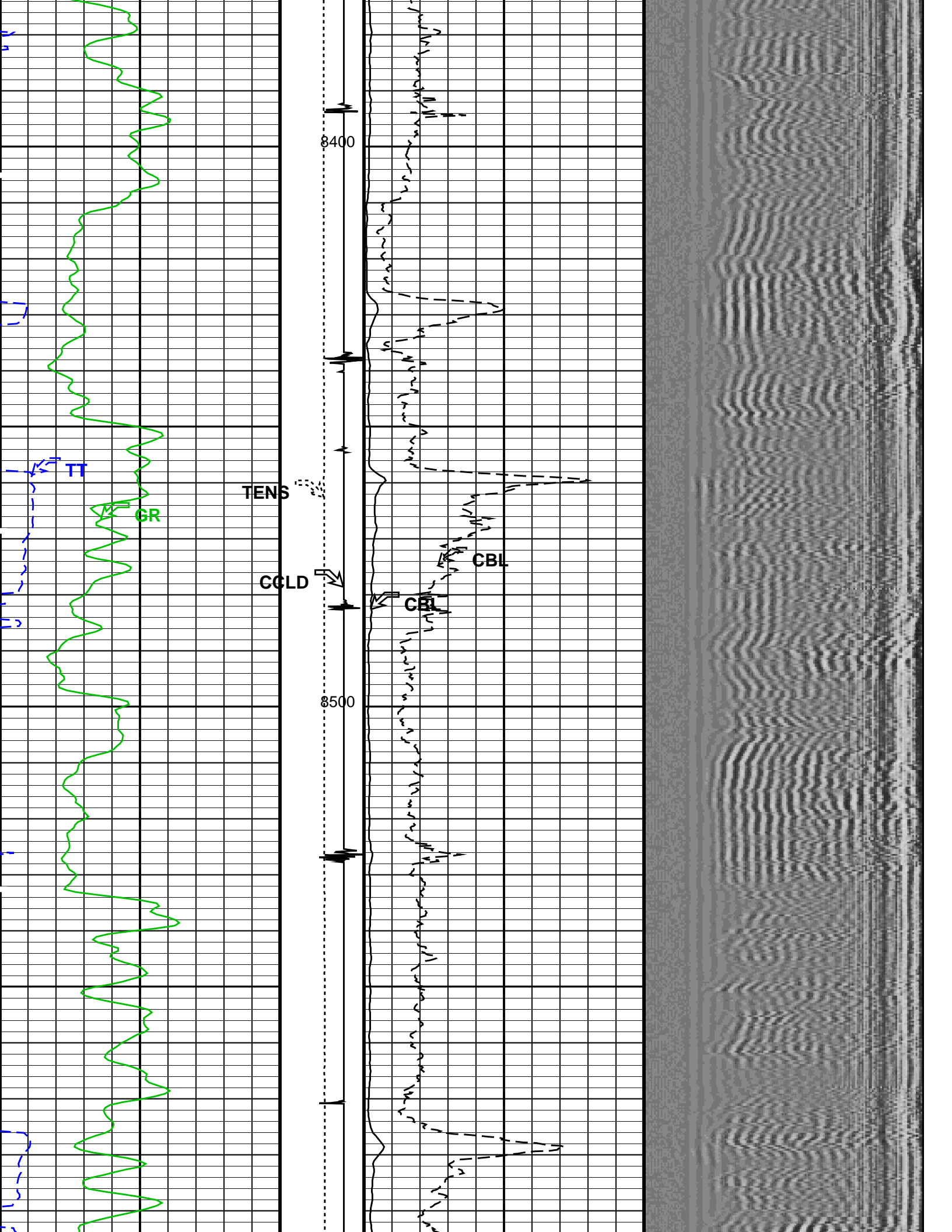
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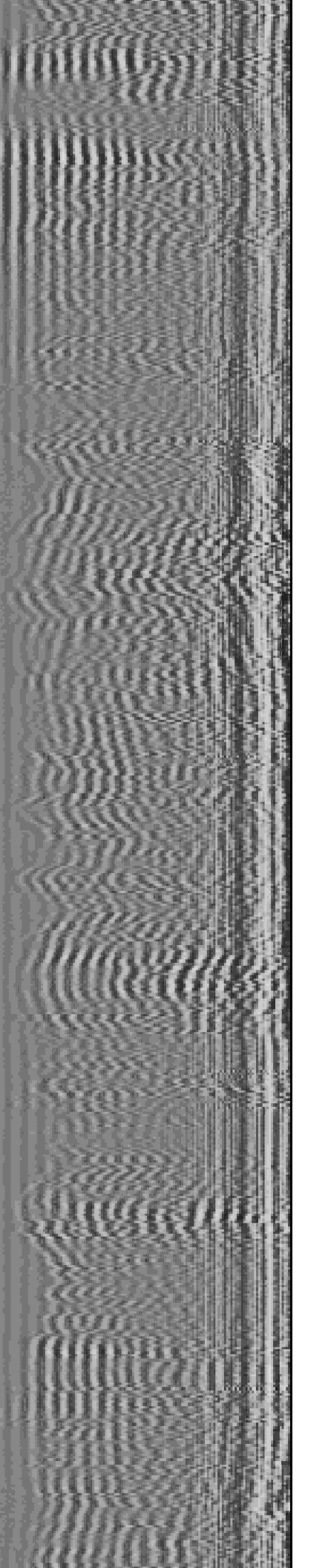
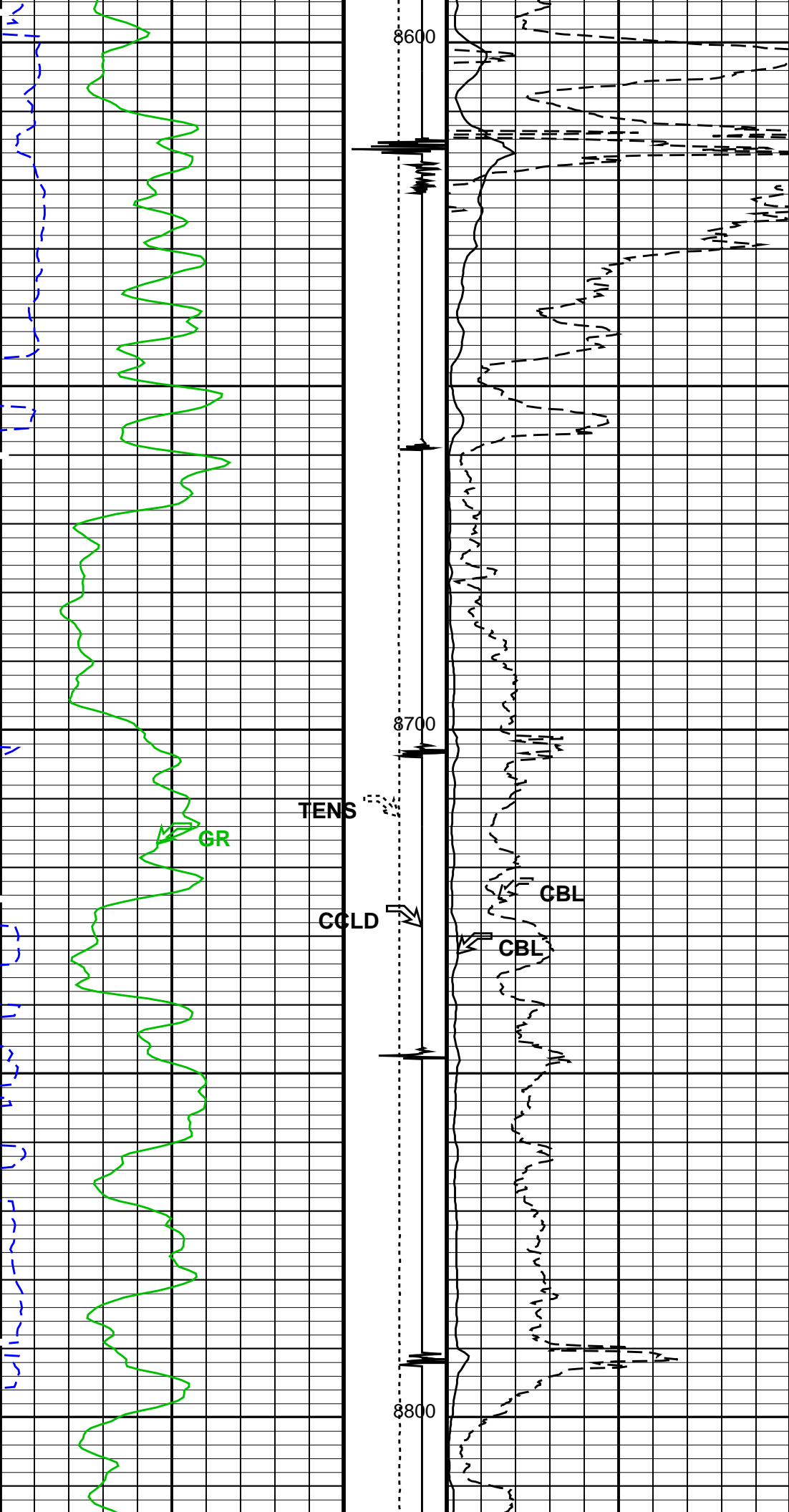
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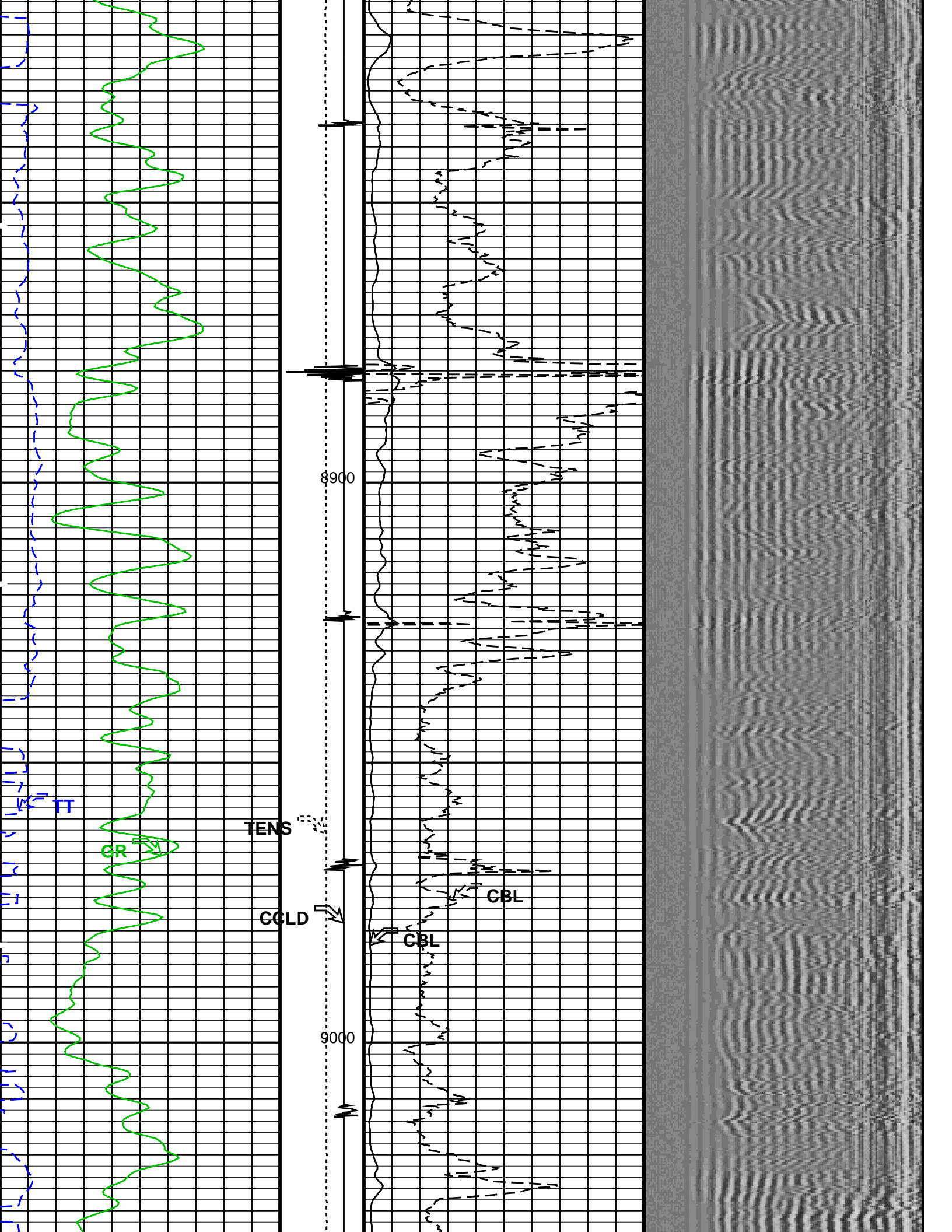


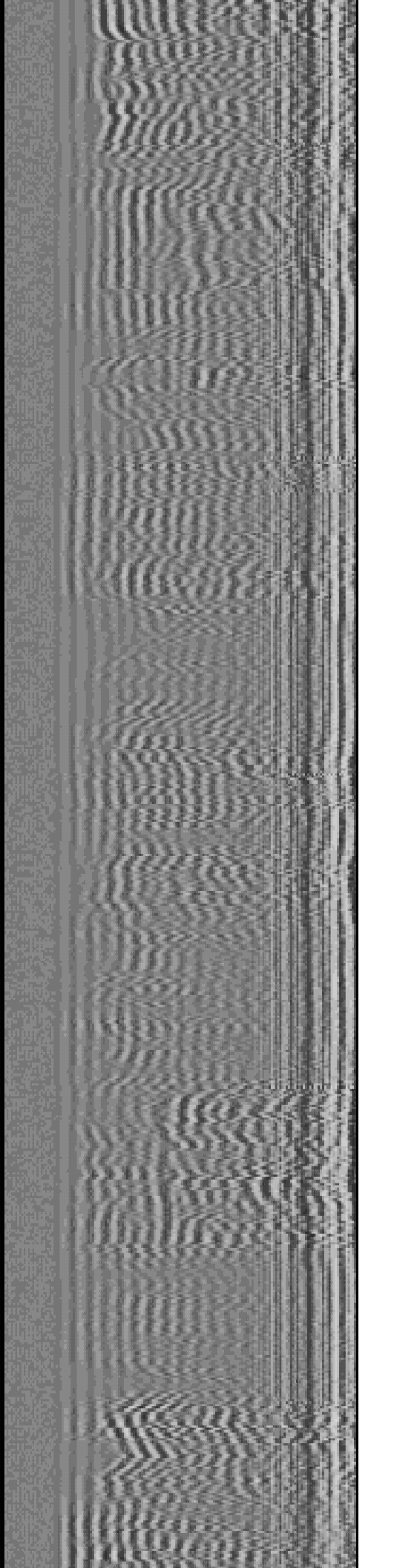
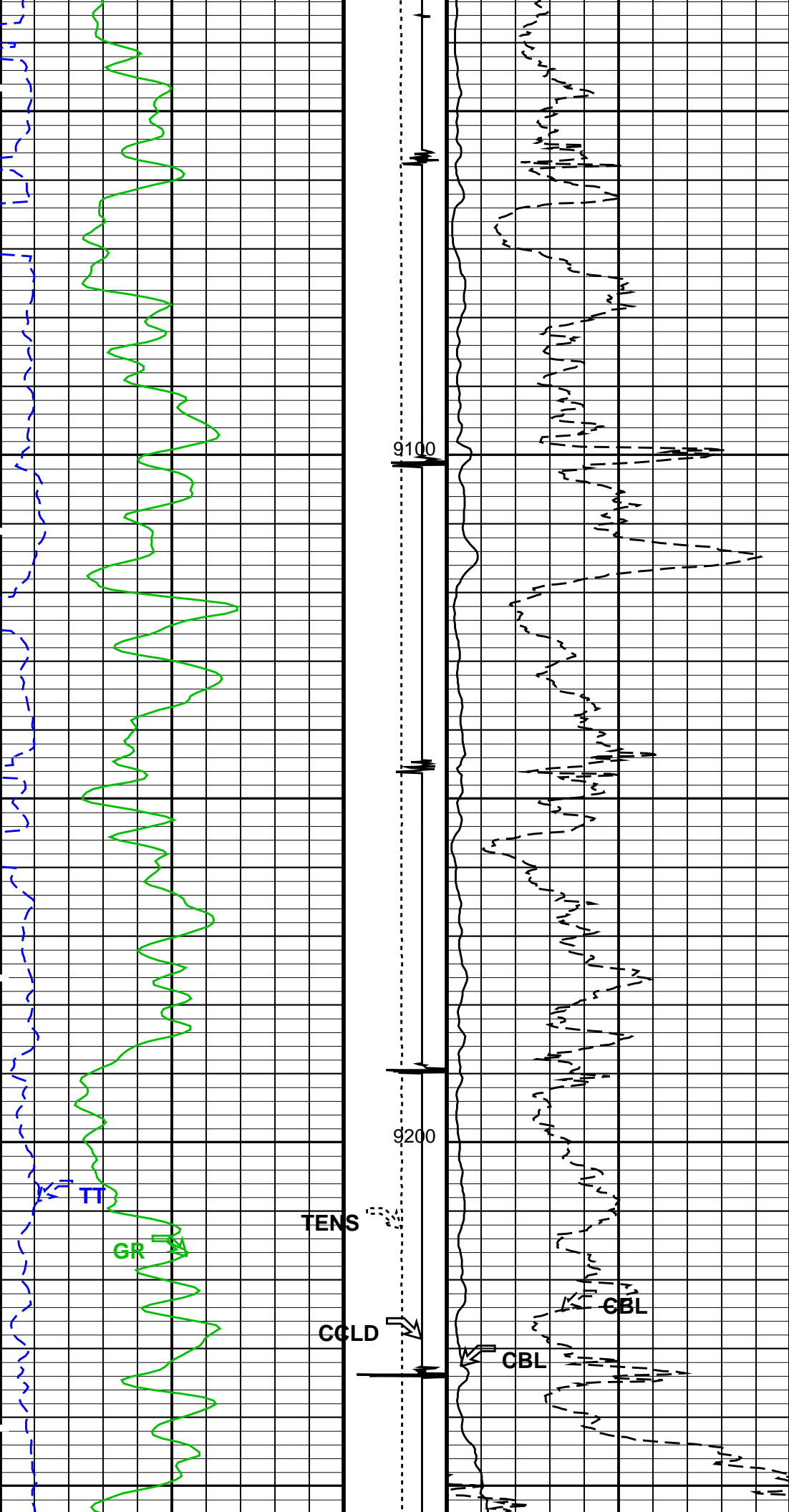


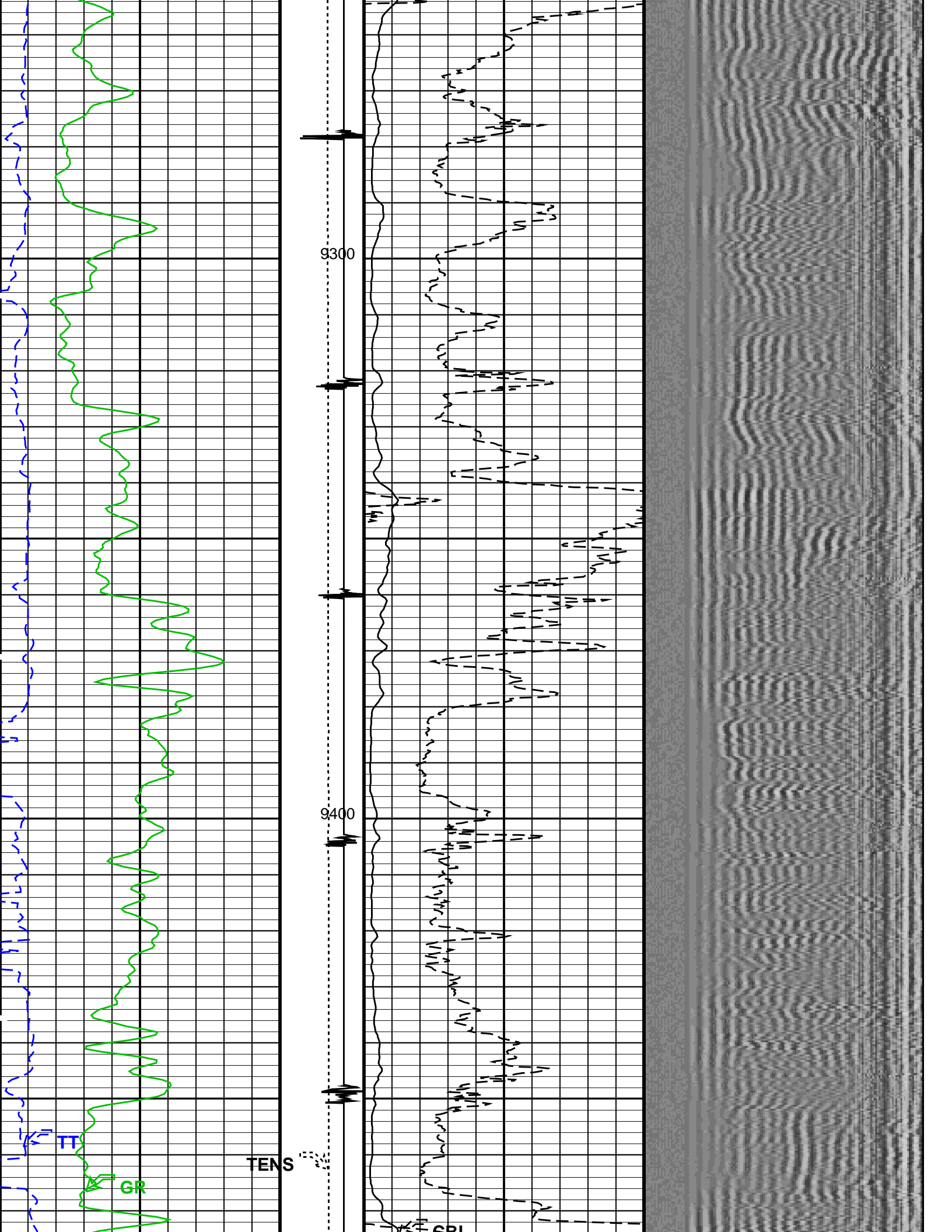


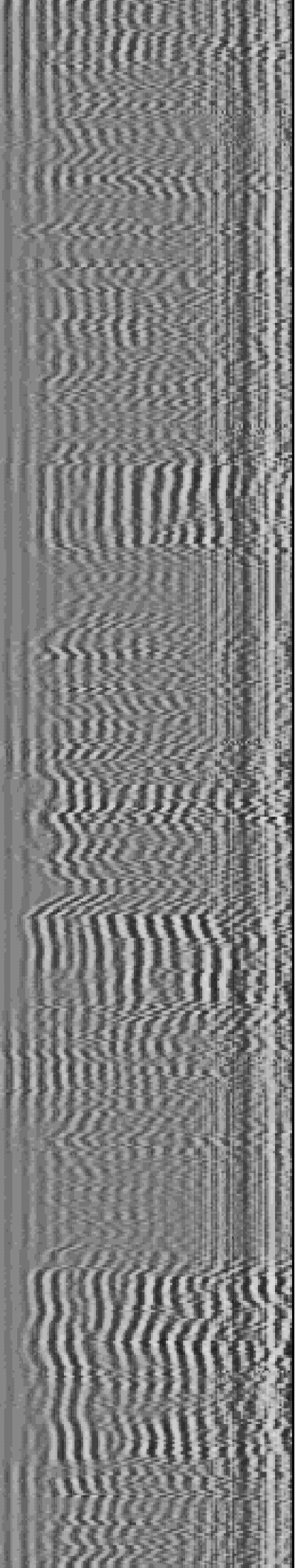
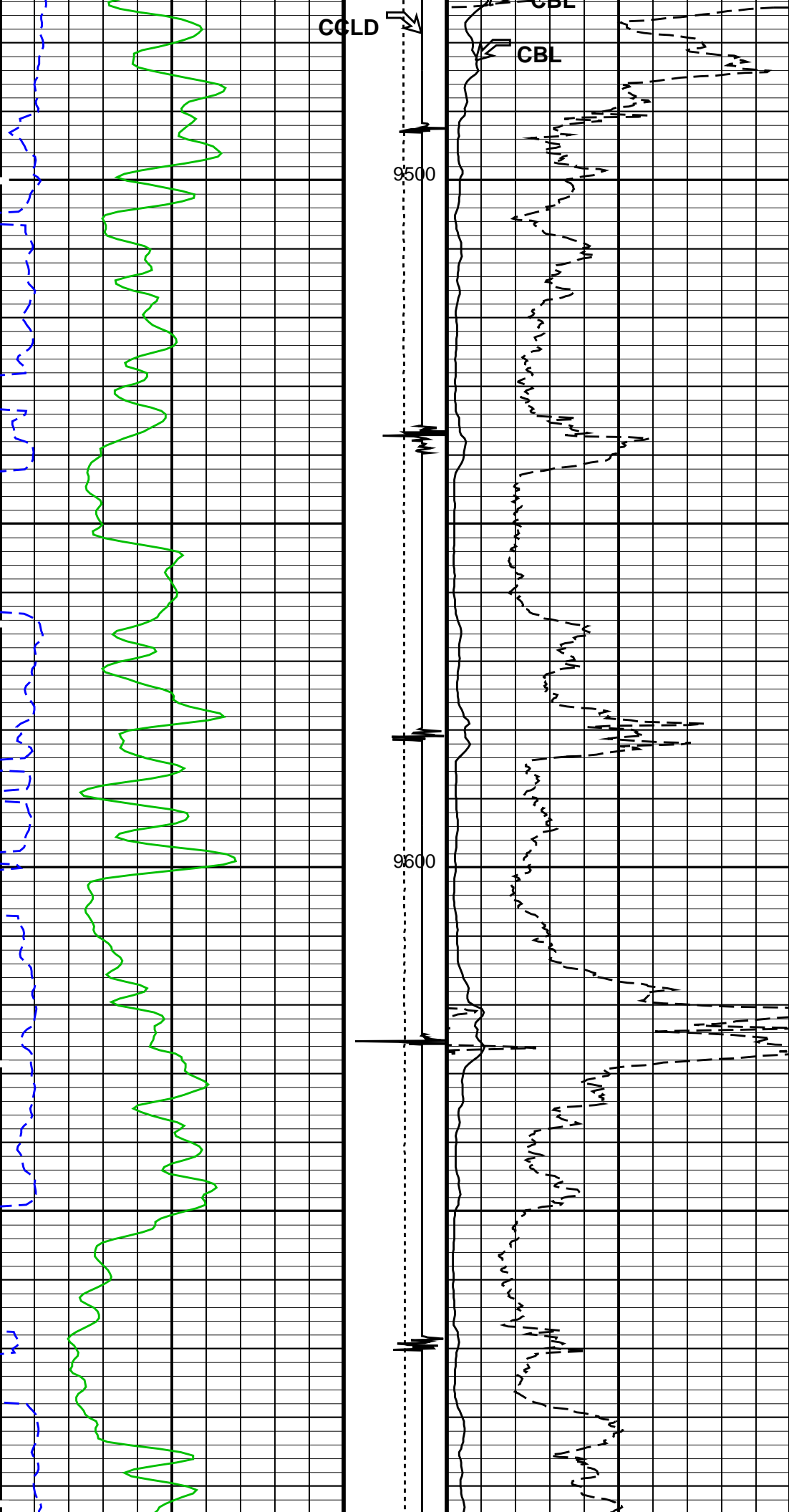


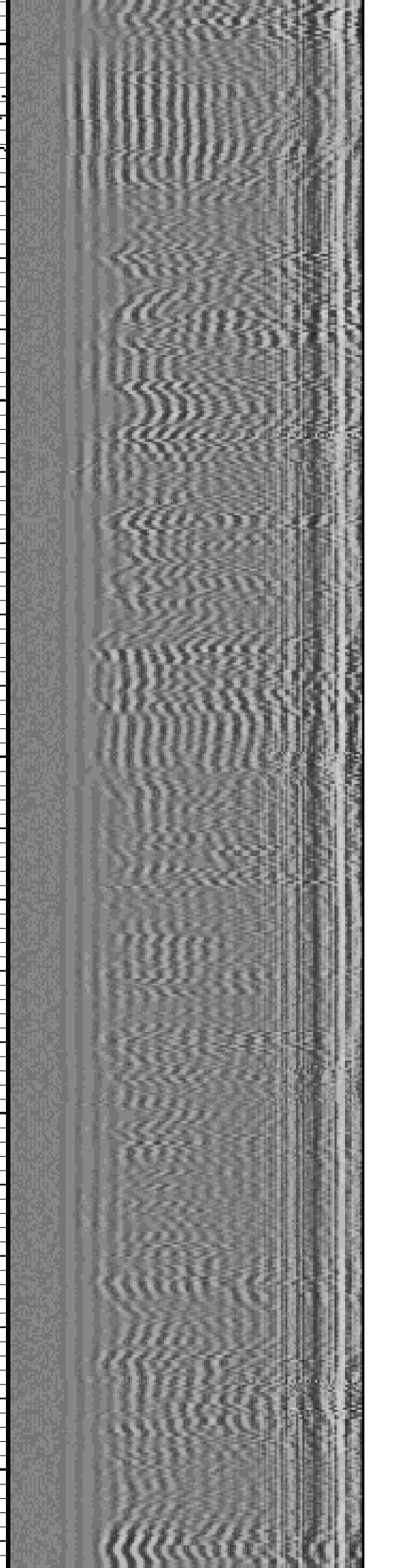
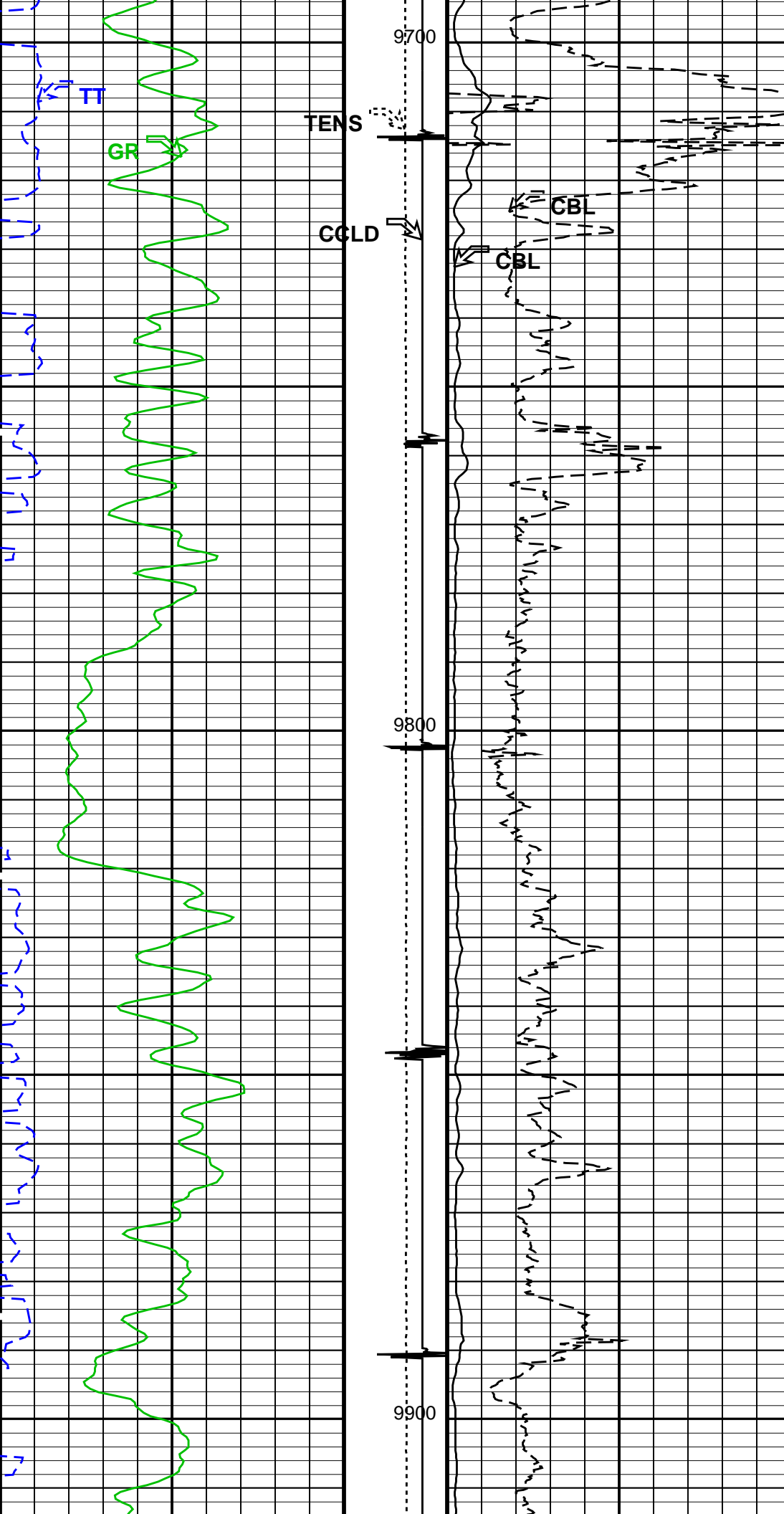


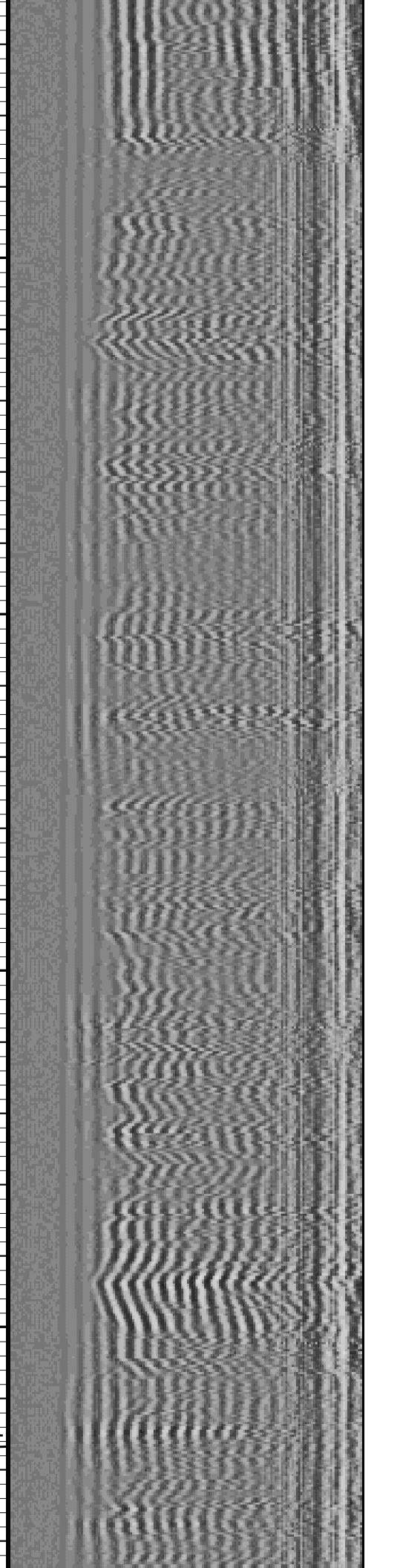
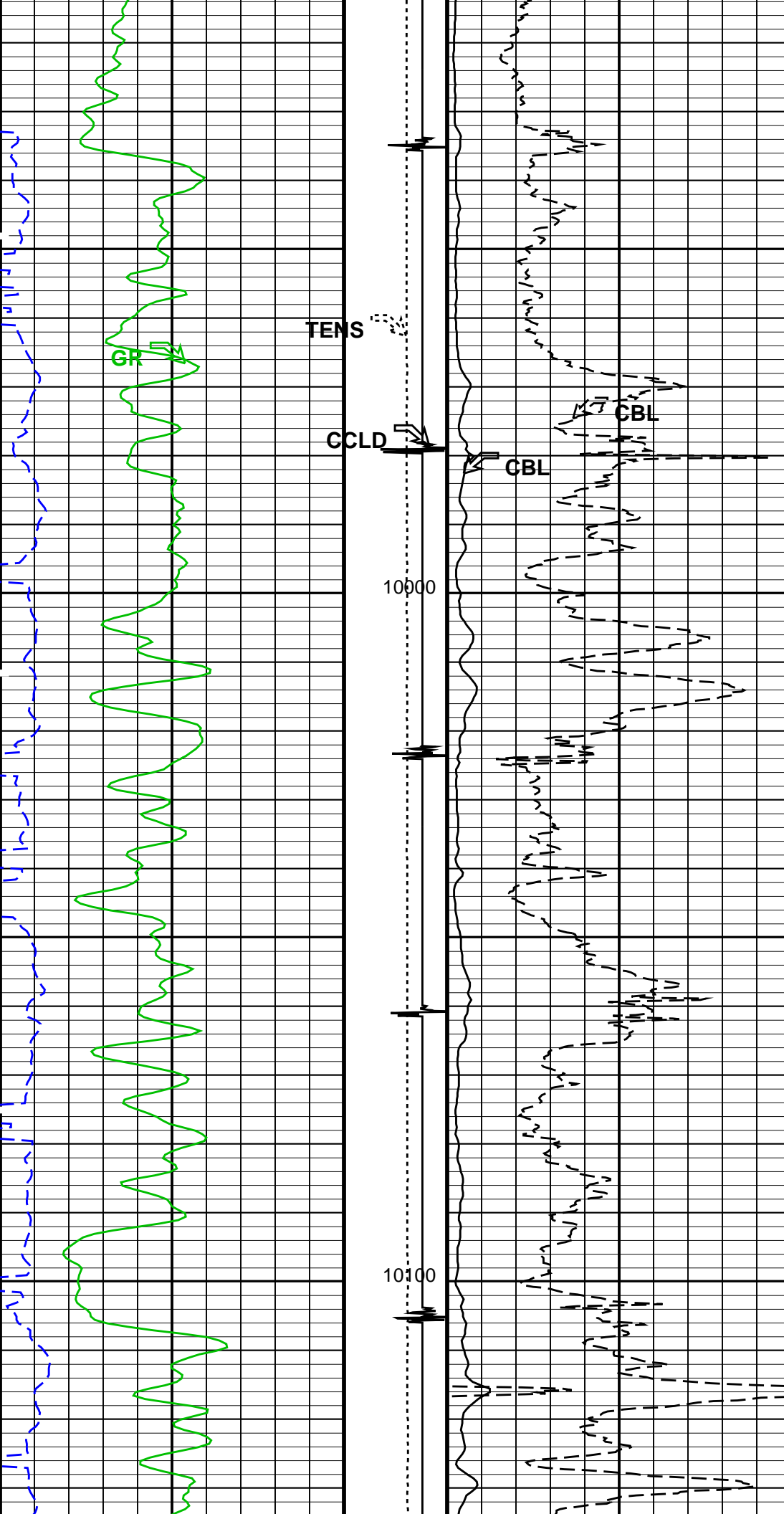


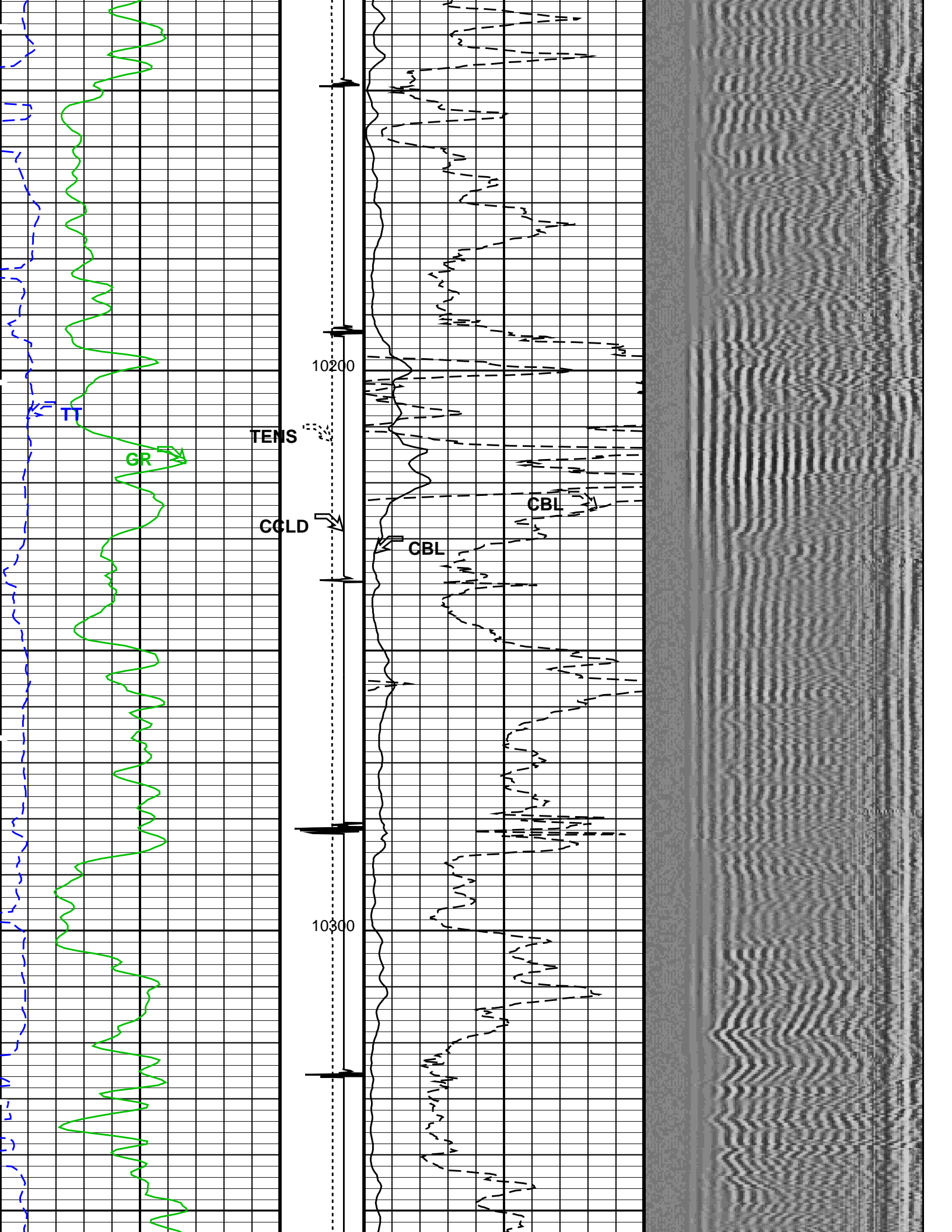


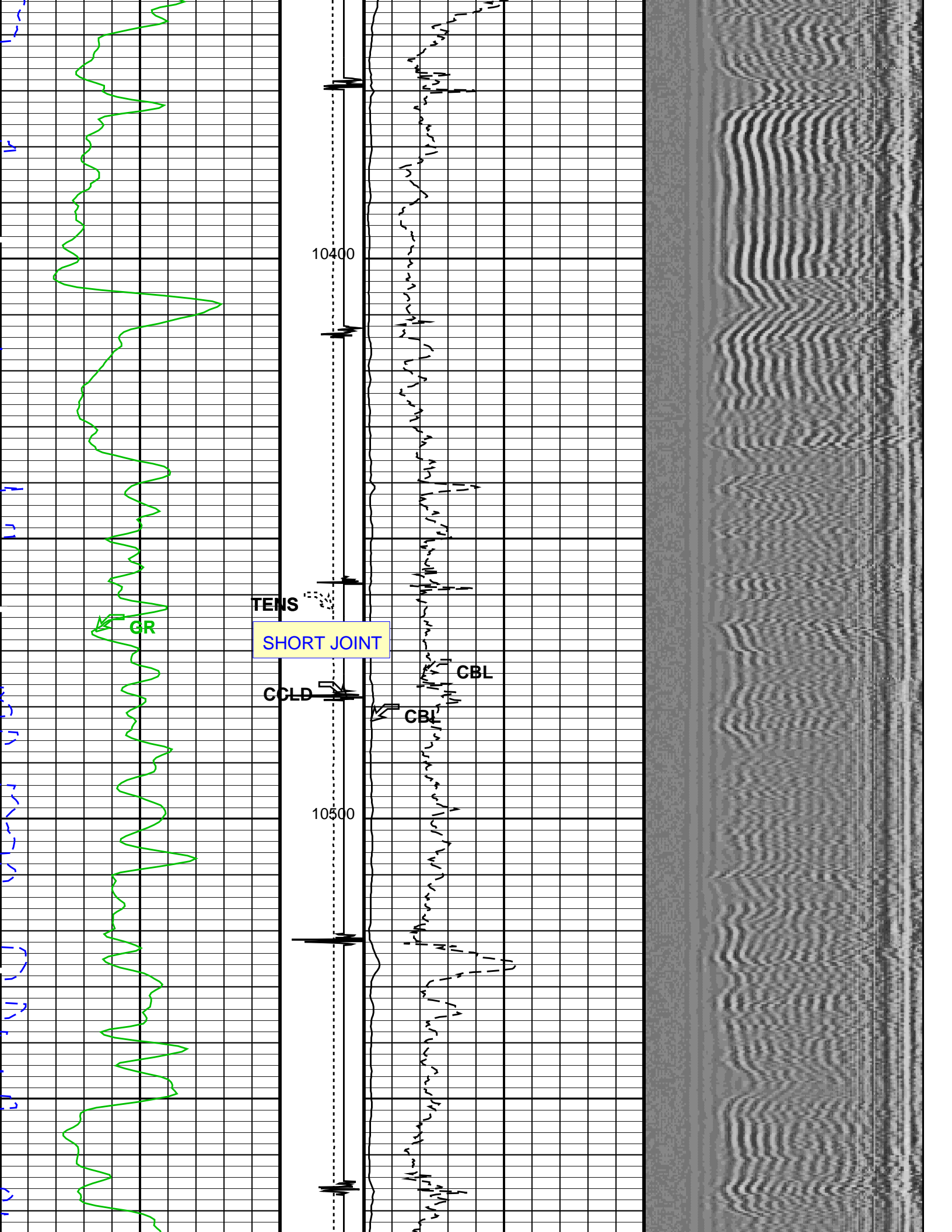


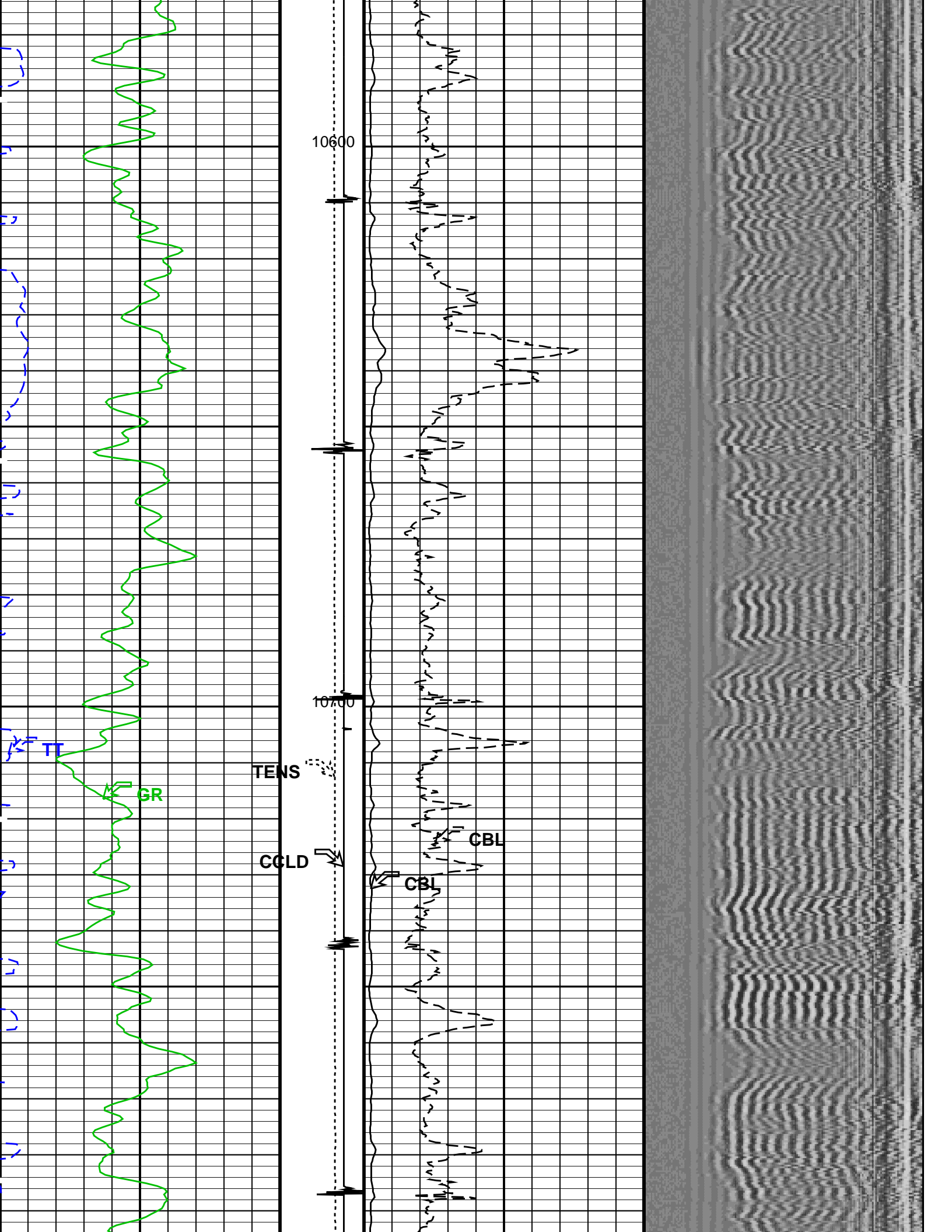


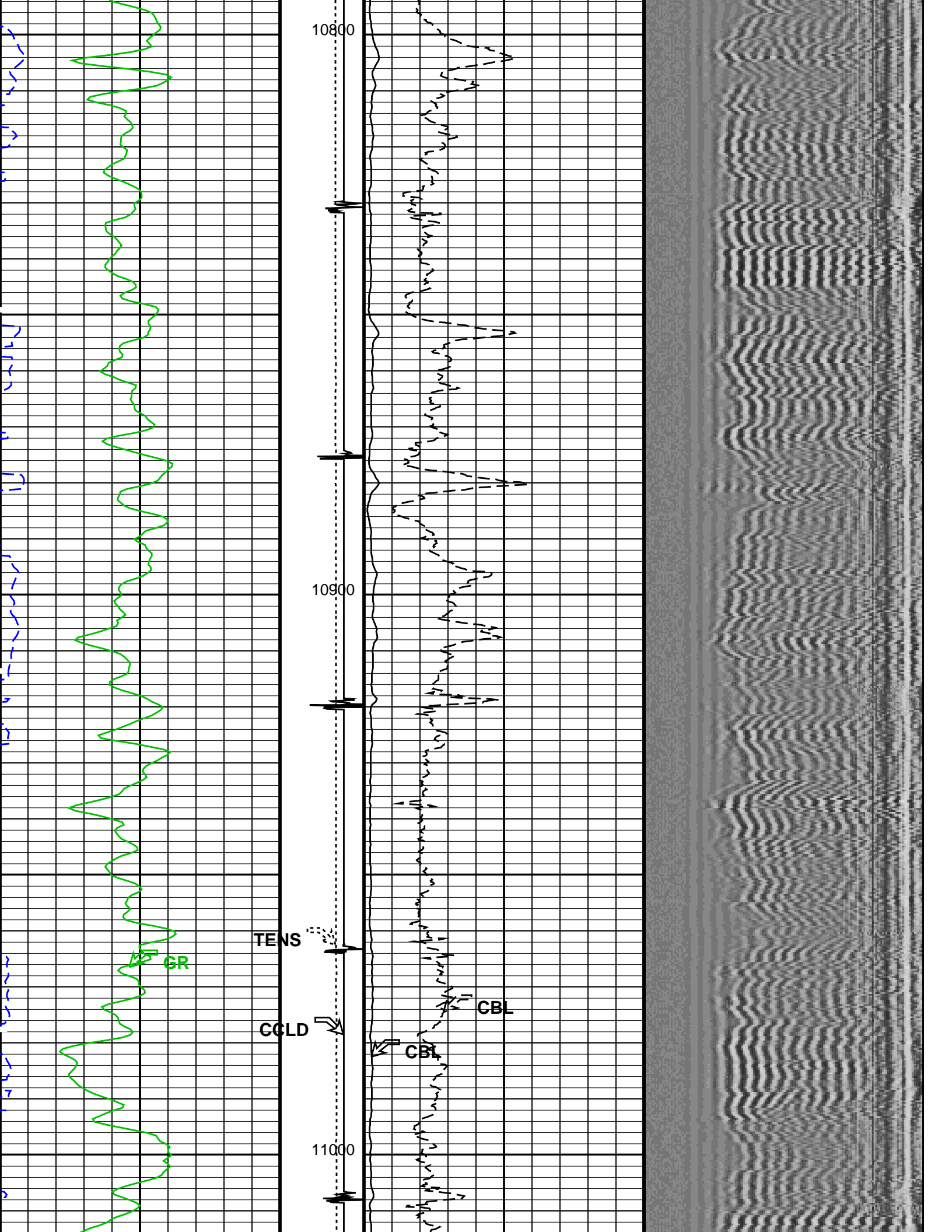


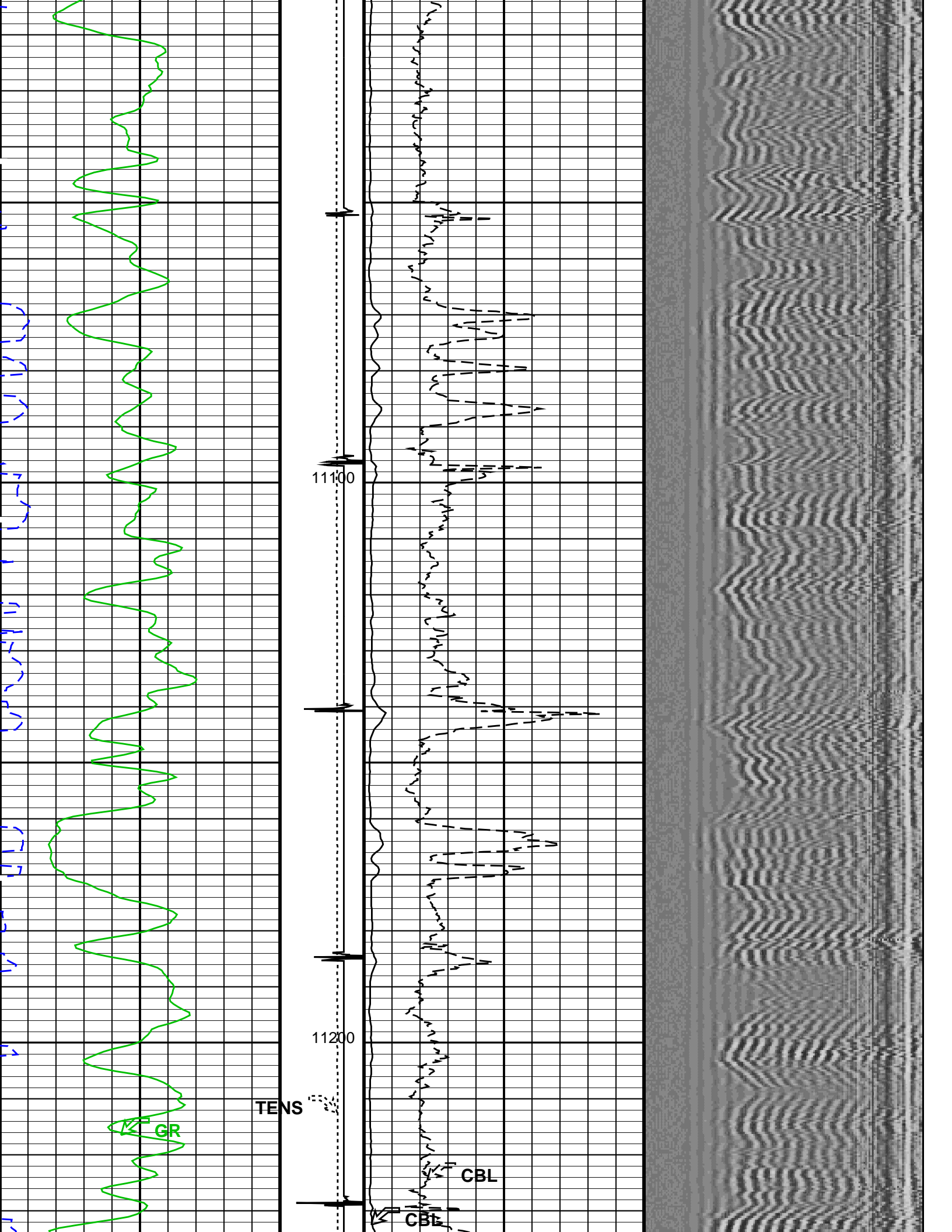


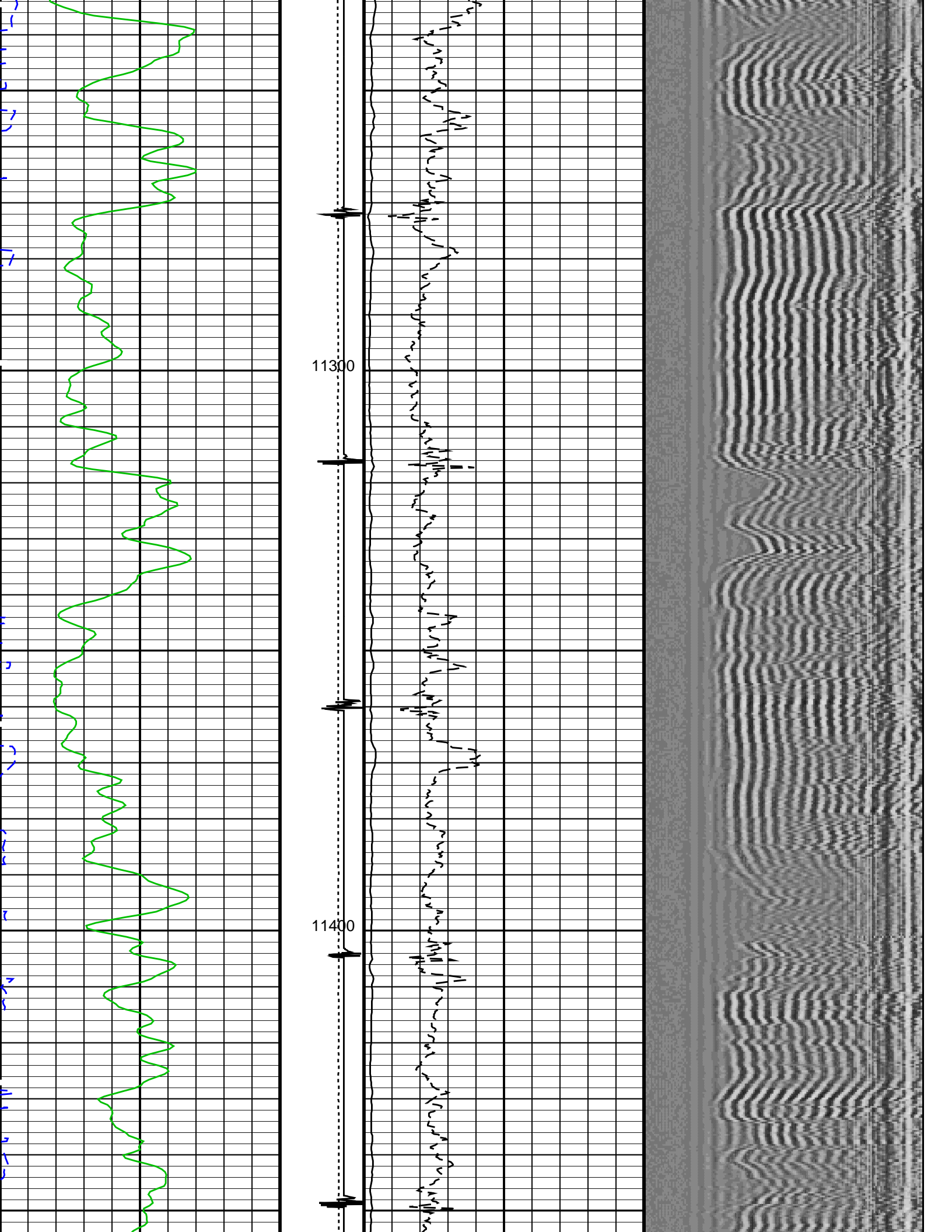


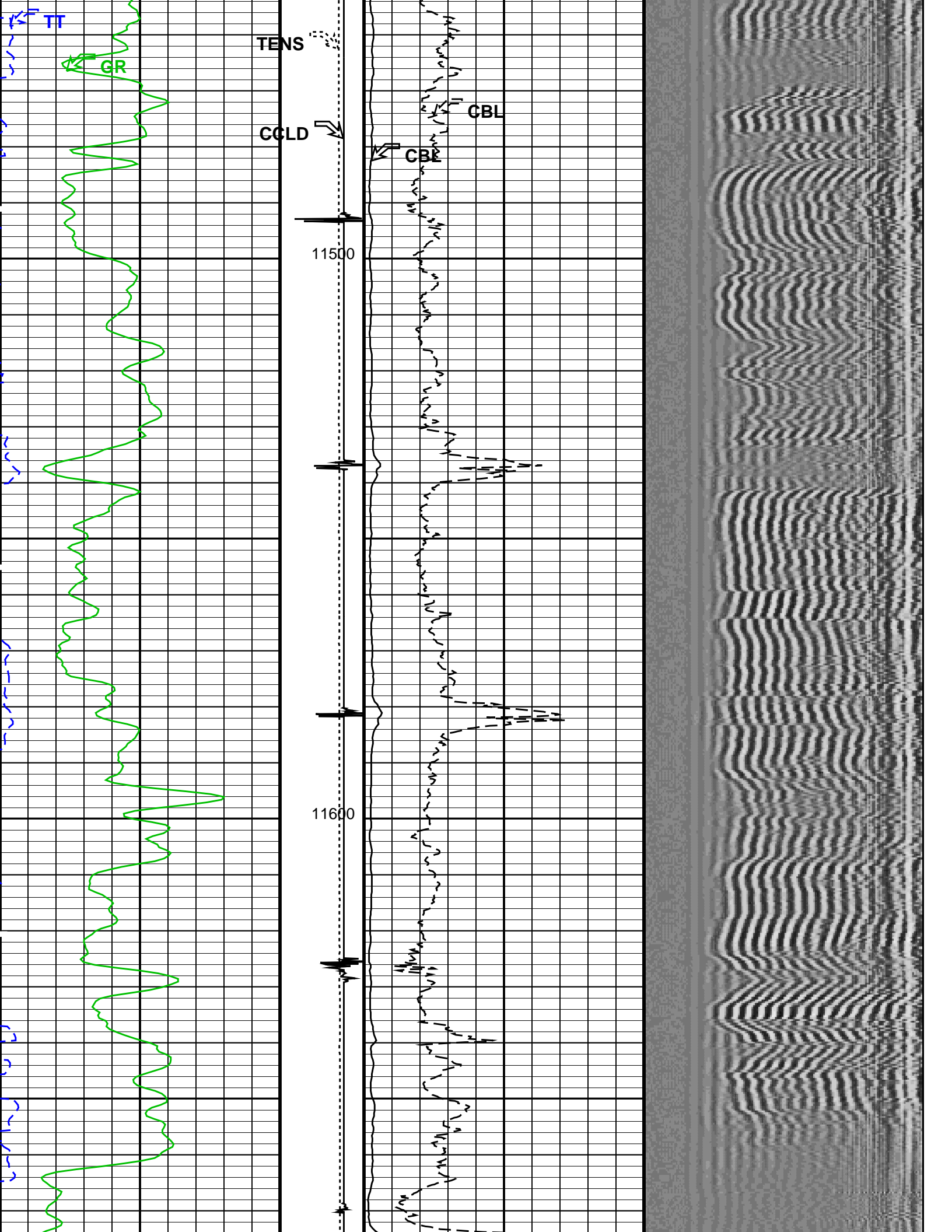


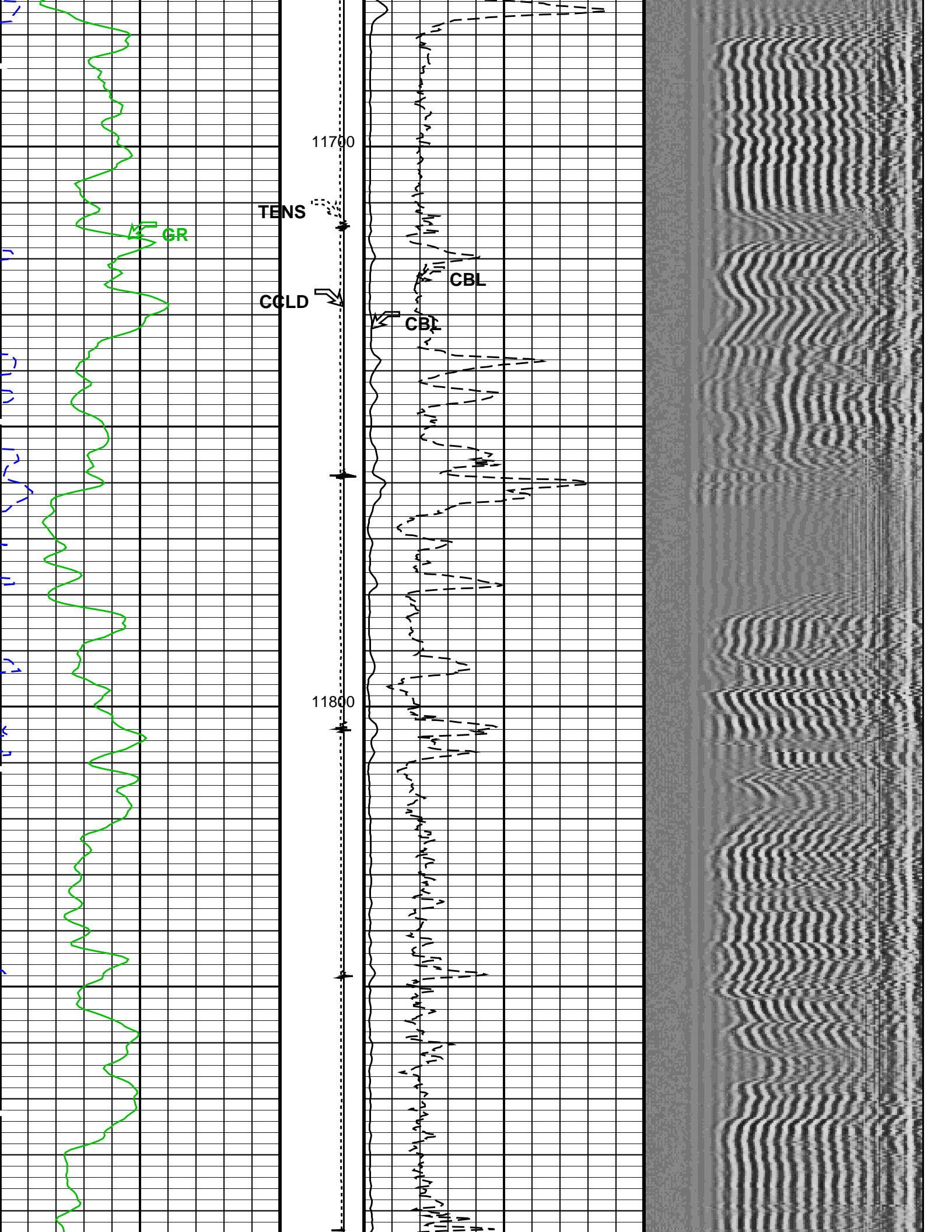


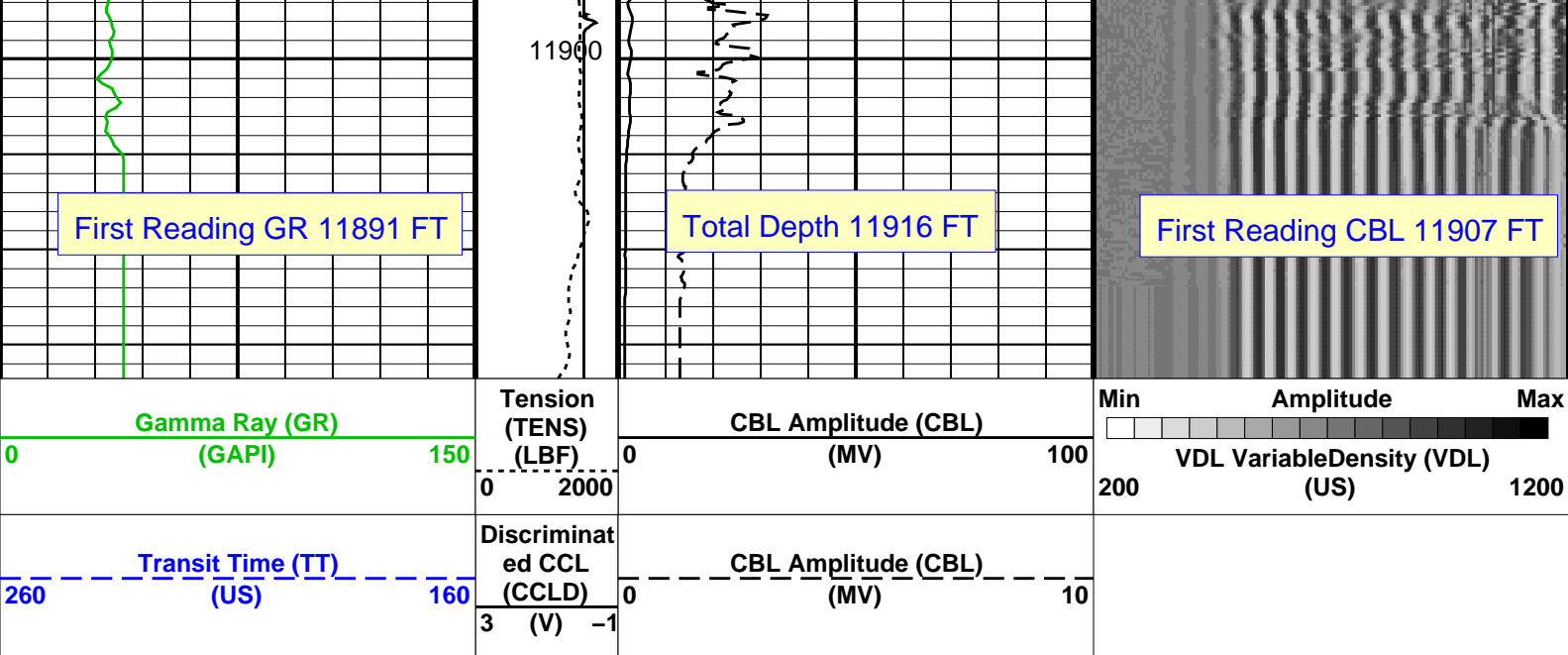












PIP SUMMARY

Time Mark Every 60 S

Format: CBL_VDL Vertical Scale: 5" per 100'

Graphics File Created: 11-Apr-2013 16:33

OP System Version: 19C0-187

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

<<<SCMT Cement Evaluation Information Summary>>>

Sonde Serial Number	SCMS-CB 8317		
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	26-SEP-2012		
CBL Correction Factor	0.0719381	CBL Adjustment Factor (CBAF)	1.12000
MAP 1 Correction Factor	0.116622	MAP Adjustment Factor (MPAF)	1.0
MAP 2 Correction Factor	0.138771		
MAP 3 Correction Factor	0.154480		
MAP 4 Correction Factor	0.126474		
MAP 5 Correction Factor	0.116062		
MAP 6 Correction Factor	0.126351		
MAP 7 Correction Factor	0.134711		
MAP 8 Correction Factor	0.138445		

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			
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DO	Depth Offset for Playback	4.0	FT
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	11916	FT

Input DLIS Files

DEFAULT	SCMT_PSP_023LUP	FN:22	PRODUCER	11-Apr-2013 13:16	11929.5 FT	31.0 FT
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Output DLIS Files

DEFAULT	SCMT_PSP_026PUP	FN:25	PRODUCER	11-Apr-2013 16:33
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REPEAT ANALYSIS CBL VDL

MAXIS Field Log

Company: ENCANA OIL & GAS (USA) INC	Well: SG 8504E-36 (D36 496)
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Input DLIS Files

DEFAULT	SCMT_PSP_026PUP	FN:25	PRODUCER	11-Apr-2013 16:33	11933.5 FT	13.5 FT
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Output DLIS Files

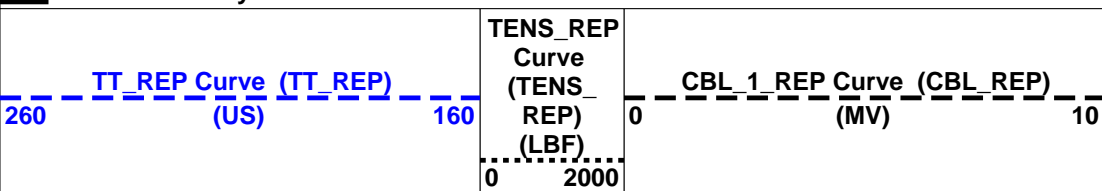
DEFAULT	SCMT_PSP_029PUP	FN:28	PRODUCER	11-Apr-2013 16:42	7606.5 FT	7244.5 FT
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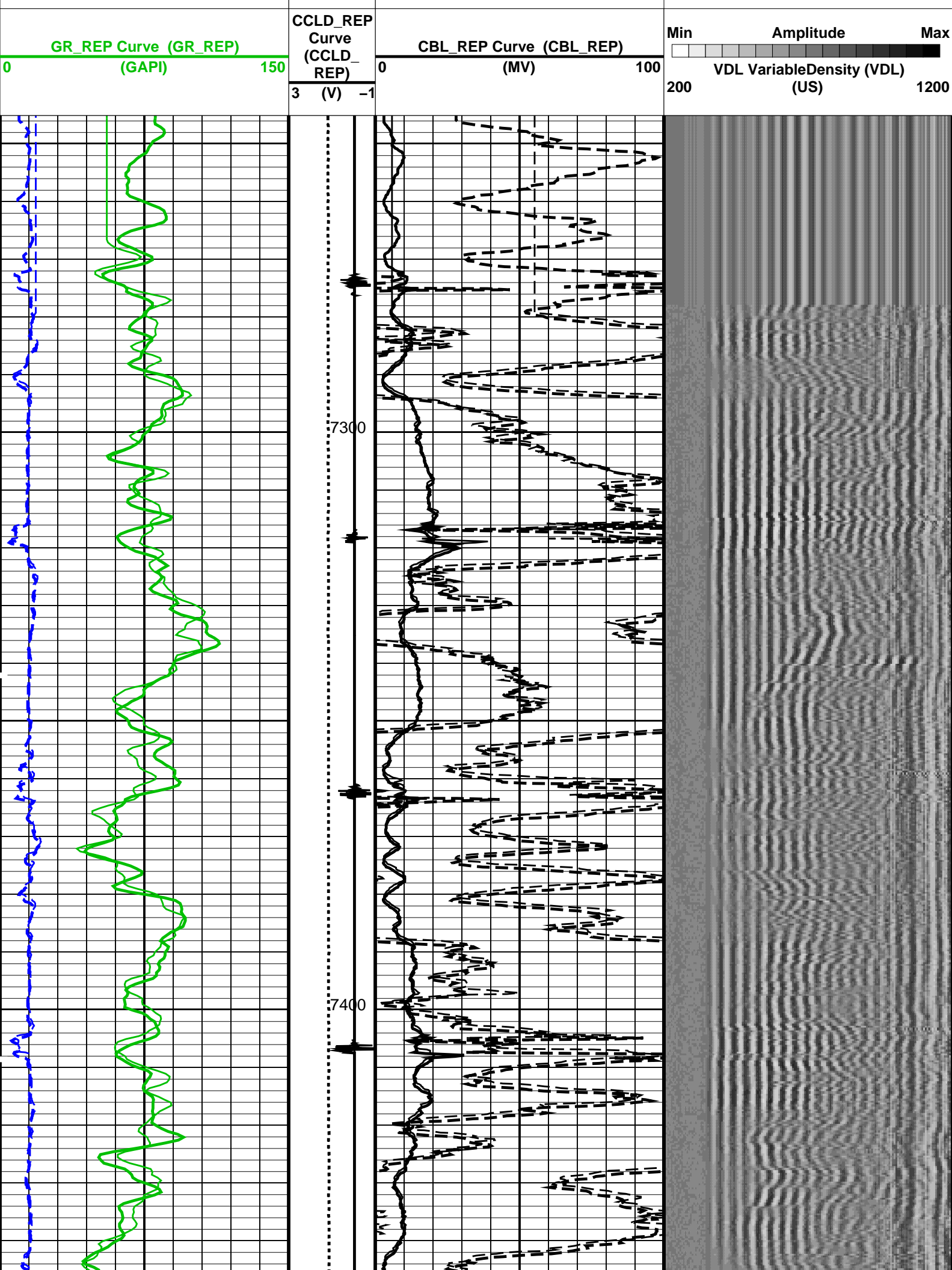
OP System Version: 19C0-187

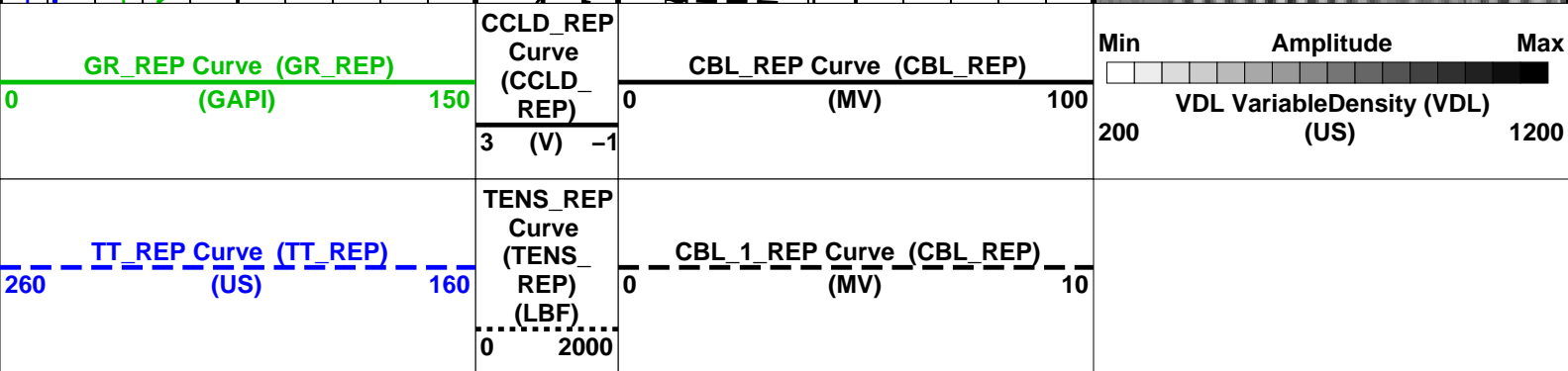
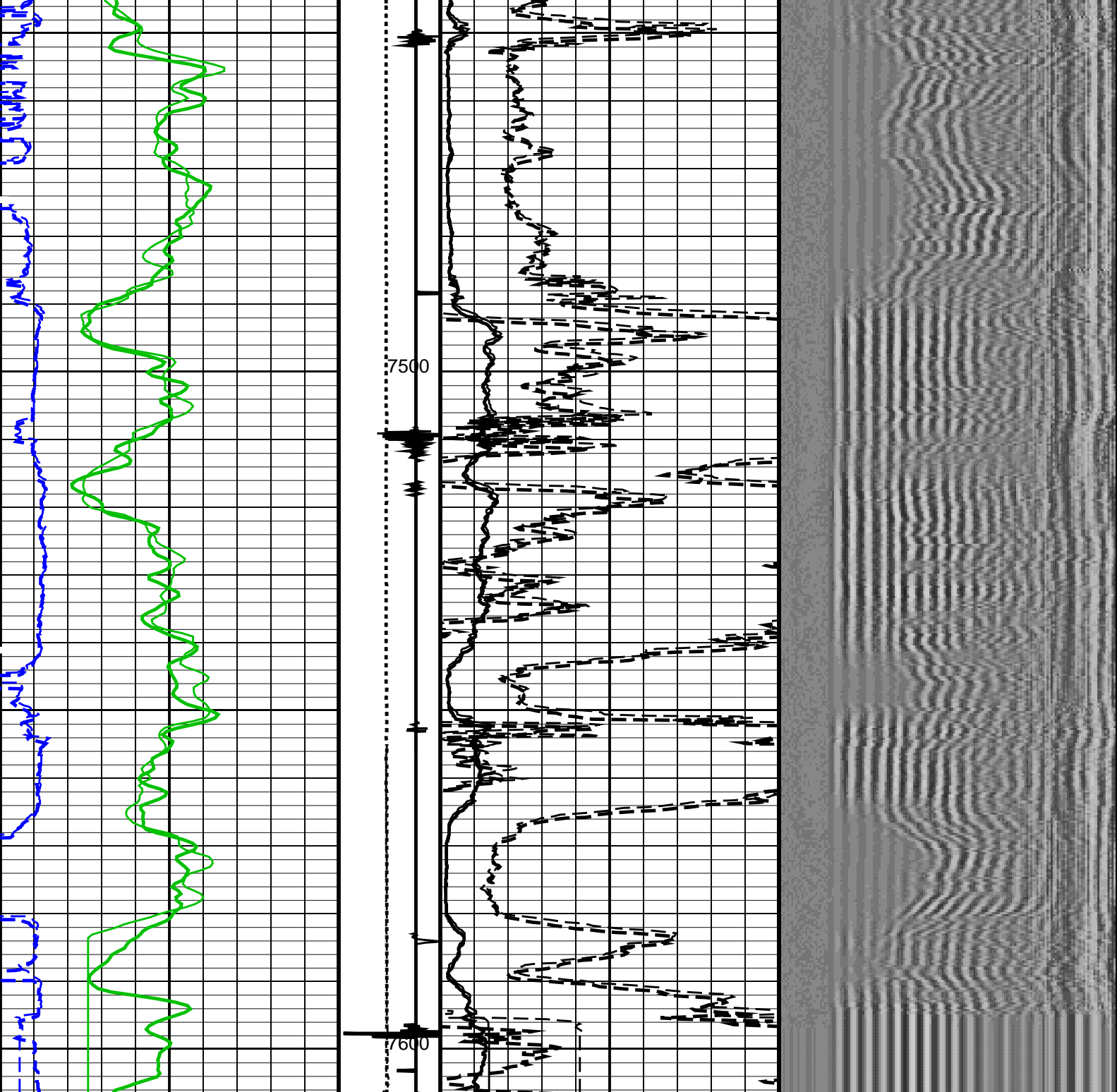
SCMT-CB	SRPC-5214-H2-2012-OP1!	PSPT	SRPC-5214-H2-2012-OP1!
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PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

SCMT-CB		SRPC-5214-H2-2012-OP1		PSPT		SRPC-5214-H2-2012-OP1	
<<<SCMT Cement Evaluation Information Summary>>>							
Sonde Serial Number		SCMS-CB 8317					
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		26-SEP-2012					
CBL Correction Factor		0.0719381	CBL Adjustment Factor (CBAF)		1.12000		
MAP 1 Correction Factor		0.116622	MAP Adjustment Factor (MPAF)		1.0		
MAP 2 Correction Factor		0.138771					
MAP 3 Correction Factor		0.154480					
MAP 4 Correction Factor		0.126474					
MAP 5 Correction Factor		0.116062					
MAP 6 Correction Factor		0.126351					
MAP 7 Correction Factor		0.134711					
MAP 8 Correction Factor		0.138445					

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			
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DO	Depth Offset for Playback	0.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	11916	FT

Input DLIS Files

DEFAULT	SCMT_PSP_026PUP	FN:25	PRODUCER	11-Apr-2013 16:33	11933.5 FT	13.5 FT
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Output DLIS Files

DEFAULT

SCMT_PSP_029PUP

FN:28

PRODUCER

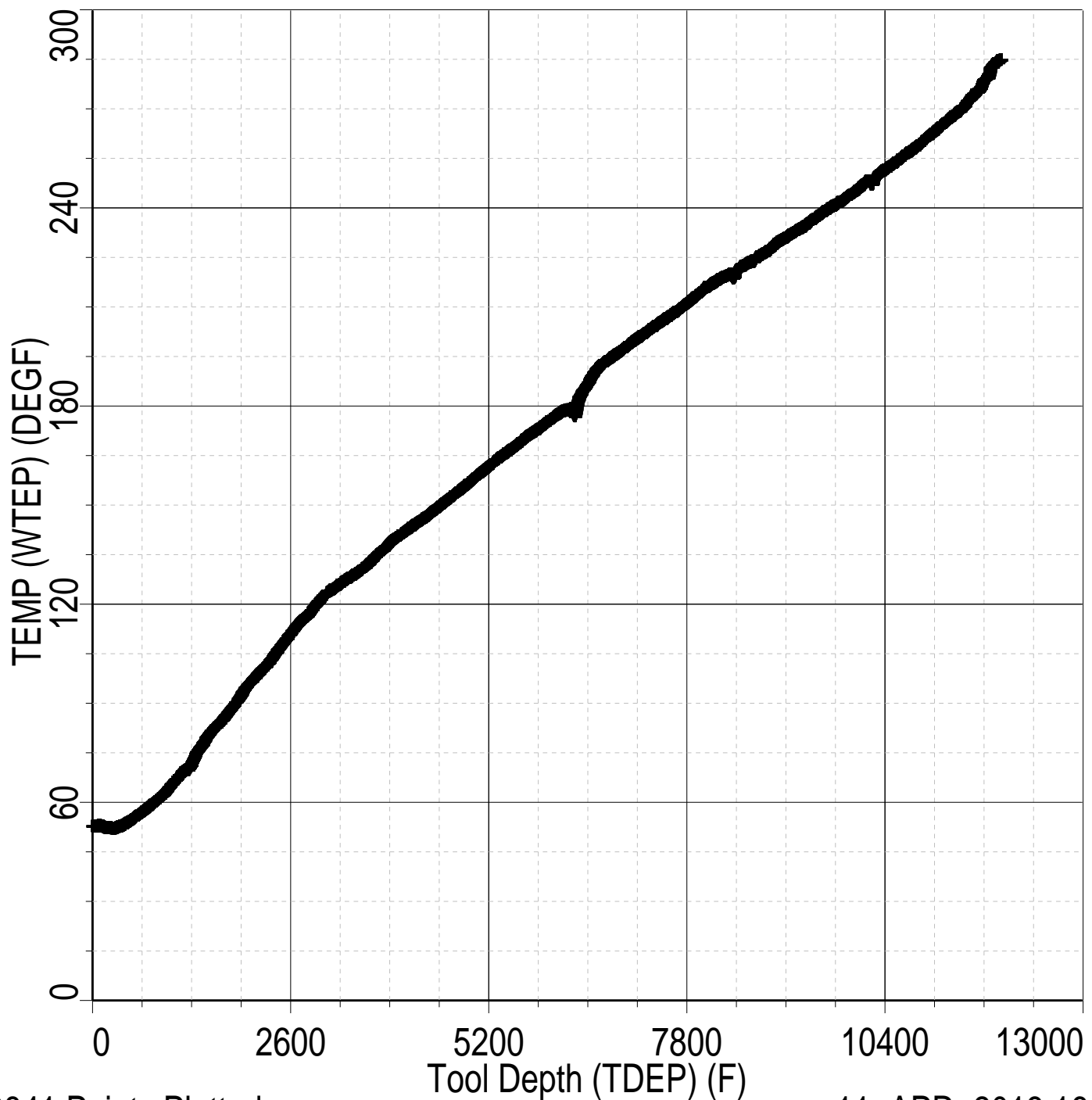
11-Apr-2013 16:42

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TEMPERATURE PLOT

MAXIS Field Log

Index: 11933.5 – 13.5 FT



Schlumberger**PBMS COEFFICIENTS**

MAXIS Field Log

Client: ENCANA OIL & GAS (USA) INC
Field: STORY GULCH
Well: SG 8504E-36 (D36 496)
Run date: 11-Apr-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 8504E-36 (D36 496)
Run date: 11-Apr-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

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

Client: ENCANA OIL & GAS (USA) INC
Field: STORY GULCH
Well: SG 8504E-36 (D36 496)
Run date: 11-Apr-2013

Tool: PSP
Sub Type: PBMS
Sensor: CQG

PBMS Quartz Gauge type F

Sonde Serial NB
Sensor Serial NB 928
Calib Date ddmmyy 280612
Matrix Size 66
Coeff CRC 9DC3

COEFFICIENTS FOR CQG PBMS-B.928 S/N:

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**0	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	+1.117016867873E+03	−.284359629614E−03	+6.04391180345E−08
Fb**1	−.598309140812E−02	+1.182731130848E−07	+1.160166486172E−12
Fb**2	−.307621454576E−07	+3.00601550309E−12	+3.11233548560E−17
Fb**3	−.419658736767E−12	+1.117473708647E−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	+1.114322792679E−12	+1.153807711176E−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	+3.10874009898E+05	+2.88920923041E−02	+6.97940727038E−06
	(Fb'−Fc')**3	(Fb'−Fc')**4	(Fb'−Fc')**5
(Fb'−Fc')**0	−.657432344763E−10	−.412920638782E−15	+2.13369826099E−20

PBMS Quartz Gauge type F

Sonde Serial NB :
Sensor Serial NB 928
Calib Date ddmmyy 280612
Matrix Size 16
Coeff CRC 8419

Clock Temp Coeff

	(Fb'-Fc')**0	(Fb'-Fc')**1	(Fb'-Fc')**2
(Fb'-Fc')**0	+1.15369519827E+03	-5.565338877075E-02	-3.33717531829E-07
	(Fb'-Fc')**3	(Fb'-Fc')**4	(Fb'-Fc')**5
(Fb'-Fc')**0	-1.24387135327E-12	+7.13102327208E-16	-3.16084316842E-20

Schlumberger

MASTER CALIBRATION

MAXIS Field Log

Slim Cement Mapping Tool, 1-11/16 OD / Equipment Identification

Primary Equipment:

Slim Cement Mapping Xmitter Electronics

SCMX – CA

Slim Cement Mapping Sonde

SCMS – CB8317

Slim Cement Mapping Cartridge


SCMC – CA8120

Auxiliary Equipment:

Slim Electronics Cartridge Housing

SECH – CA

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	<div><div></div></div>			1029	Master	<div><div></div></div>			864.7
	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	<div><div></div></div>			776.8	Master	<div><div></div></div>			948.8
	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	<div><div></div></div>			1034	Master	<div><div></div></div>			949.7
	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	<div><div></div></div>			890.8	Master	<div><div></div></div>			866.8
	500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)			500.0 (Minimum)	1075 (Nominal)	1650 (Maximum)	

Phase	CBL Amplitude Plus MV	Value	
Master		1334	
1000 (Minimum)	1350 (Nominal)	1700 (Maximum)	
Master: 26-Sep-2012 14:15			

Company:	ENCANA OIL & GAS (USA) INC	Schlumberger
Well:	SG 8504E-36 (D36 496)	
Field:	STORY GULCH	
County:	GARFIELD	
State:	COLORADO	
SLIM CEMENT MAPPING LOG		
CBL-VDL		
GR-CCL		