

Company: ENCANA OIL & GAS (USA) INC

Well: SG 8513A-36 (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: 440 FNL & 1023 FWL		
Well:	SG 8513A-36 (D36 496)		
Company:	ENCANA OIL & GAS (USA) INC		
	LOCATION		
	SHL: 440 FNL & 1023 FWL	Elev.:	K.B. 8320.00 ft
	BHL: 1139 FSL & 684 FWL		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
	05-045-20926-000C		Range 96W

	Oil Density	Run 1	Run 2	Run 3
	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	2-Jul-2013		
Run Number	1		
Depth Driller	12697 ft		
Schlumberger Depth	12630 ft		
Bottom Log Interval	12621 ft		
Top Log Interval	70 ft		
Casing Fluid Type	FRESH WATER		
Salinity			
Density	8.4 lbm/gal		
Fluid Level	70 ft		
BIT/CASING/TUBING STRING			
Bit Size	7.625 in		
From	9540 ft		
To	12697 ft		
Casing/Tubing Size	4.500 in		
Weight	11.6 lbm/ft		
Grade			
From	30 ft		
To	12677 ft		
Maximum Recorded Temperatures	285 degF		
Logger On Bottom	2-Jul-2013	20:15	
Unit Number	391	GRAND JUNCTION	
Recorded By	JASON BARRY		
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			

DEPTH SUMMARY LISTING

Date Created: 3-JUN-2013 9:46:48

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:	4-24-2012	Calibration Date:	6-3-2013	Length:	19500 FT
Calibrator Serial Number:		Calibrator Serial Number:	174878		
Calibration Cable Type:	1-25P	Number of Calibration Points:	10	Conveyance Method:	Wireline
Wheel Correction 1:	-3	Calibration RMS:	2	Rig Type:	LAND
Wheel Correction 2:	-4	Calibration Peak Error:	6		

Depth Control Parameters

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

Depth Control Remarks

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

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE 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 SERVICES1 OS1: NONE OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
FIRST RUN IN HOLE CORRELATED TO DOWNLOG	
TOOL RAN AS PER TOOL SKETCH	
ENTRANCE TIME: 19:30	
TIME ON BOTTOM: 20:15	
EXIT TIME: 23:30	

MAX RECORDED TEMPERATURE: 285 DEGF	
MAX RECORDED PRESSURE: 4955 PSIA	
SHORT JOINT: 8215 FT & 11173 FT	
MAIN PASS LOGGED UNDER ZERO SURFACE PRESSURE	
EXPECTED CBL AMP IN FREE PIPE IS 80 MV	
CREW: J BARRY, W AZIZ, K JOHNS, J FESSENDEN	
THANK YOU FOR CHOOSING E&P WIRELINE, A SCHLUMBERGER COMPANY	

RUN 1			RUN 2		
SERVICE ORDER #:	C920-00098		SERVICE ORDER #:		
PROGRAM VERSION:	19C0-187		PROGRAM VERSION:		
FLUID LEVEL:	70 ft		FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT

WITM-A
PSC_16MHZ

DOWNHOLE EQUIPMENT

MH-22
MH-22

30.3

Detail MT
TelStatus
CTEM

AH-38

28.7

PSPT
PSC-A
PSPT-B 928
PSTC-A
PBMS-B
CQG_F Mano
RTD_Thermometer
GR
CCL
PBMS

GR

28.4

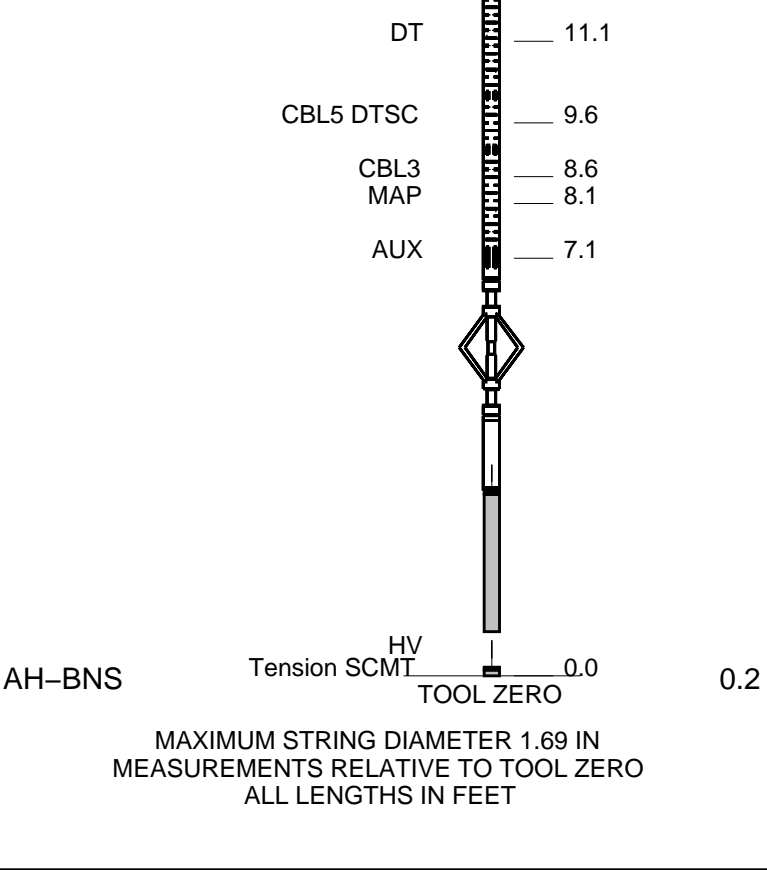
24.7

Well_Temp
CQG Manom
CCL
PBMS PSTC

21.7
21.3
20.9
20.2

SCMT-CB
SCMC-CA 8120
SECH-CA
CMIR-AG
SCMS-CB 8303
SCMX-CA

20.2



MAIN PASS CBL VDL

MAXIS Field Log

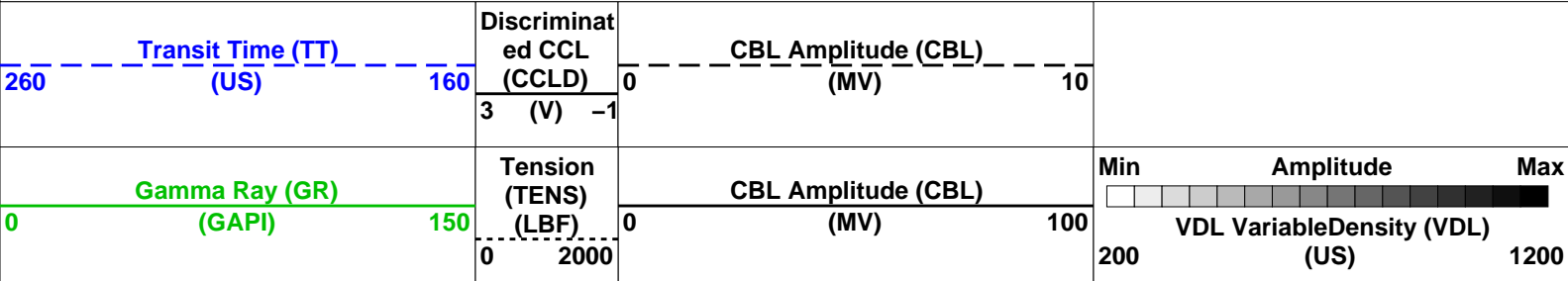
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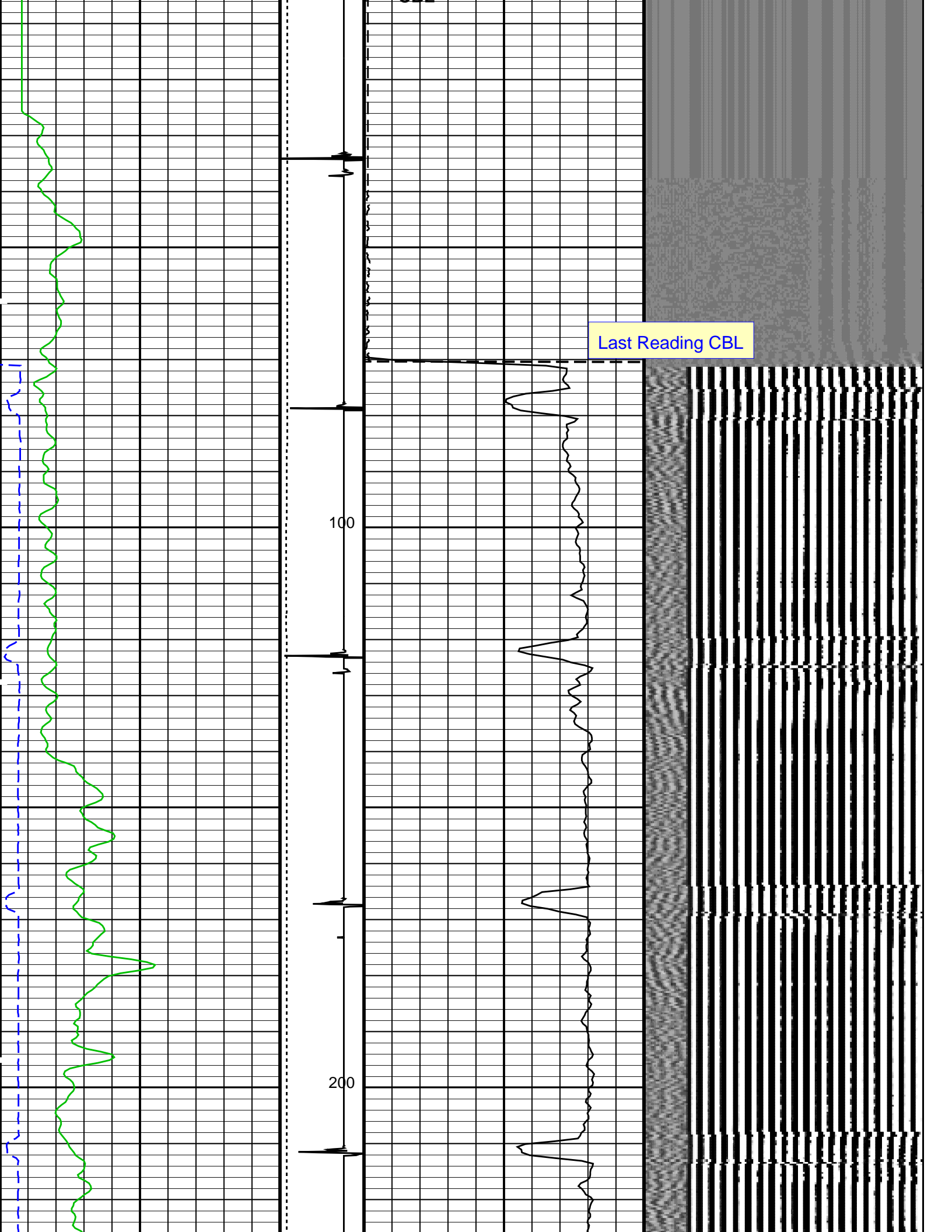
Input DLIS Files						
DEFAULT	SCMT_PSP_022LUP	FN:21	PRODUCER	02-Jul-2013 20:13	12644.5 FT	18.0 FT
Output DLIS Files						
DEFAULT	SCMT_PSP_024PUP	FN:23	PRODUCER	02-Jul-2013 23:25	12651.5 FT	3.5 FT

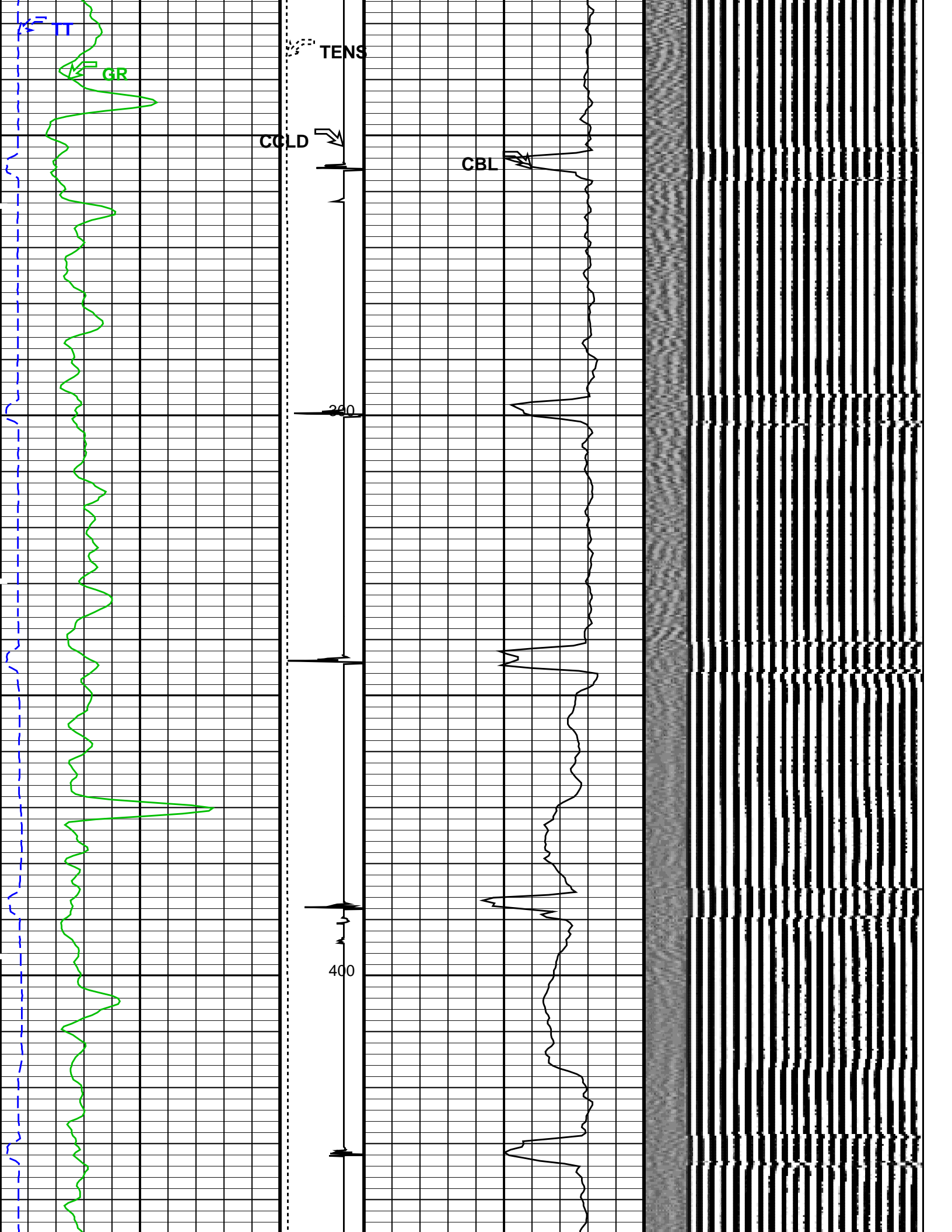
OP System Version: 19C0-187			
SCMT-CB	SRPC-5214-H2-2012-OP1	PSPT	SRPC-5214-H2-2012-OP1

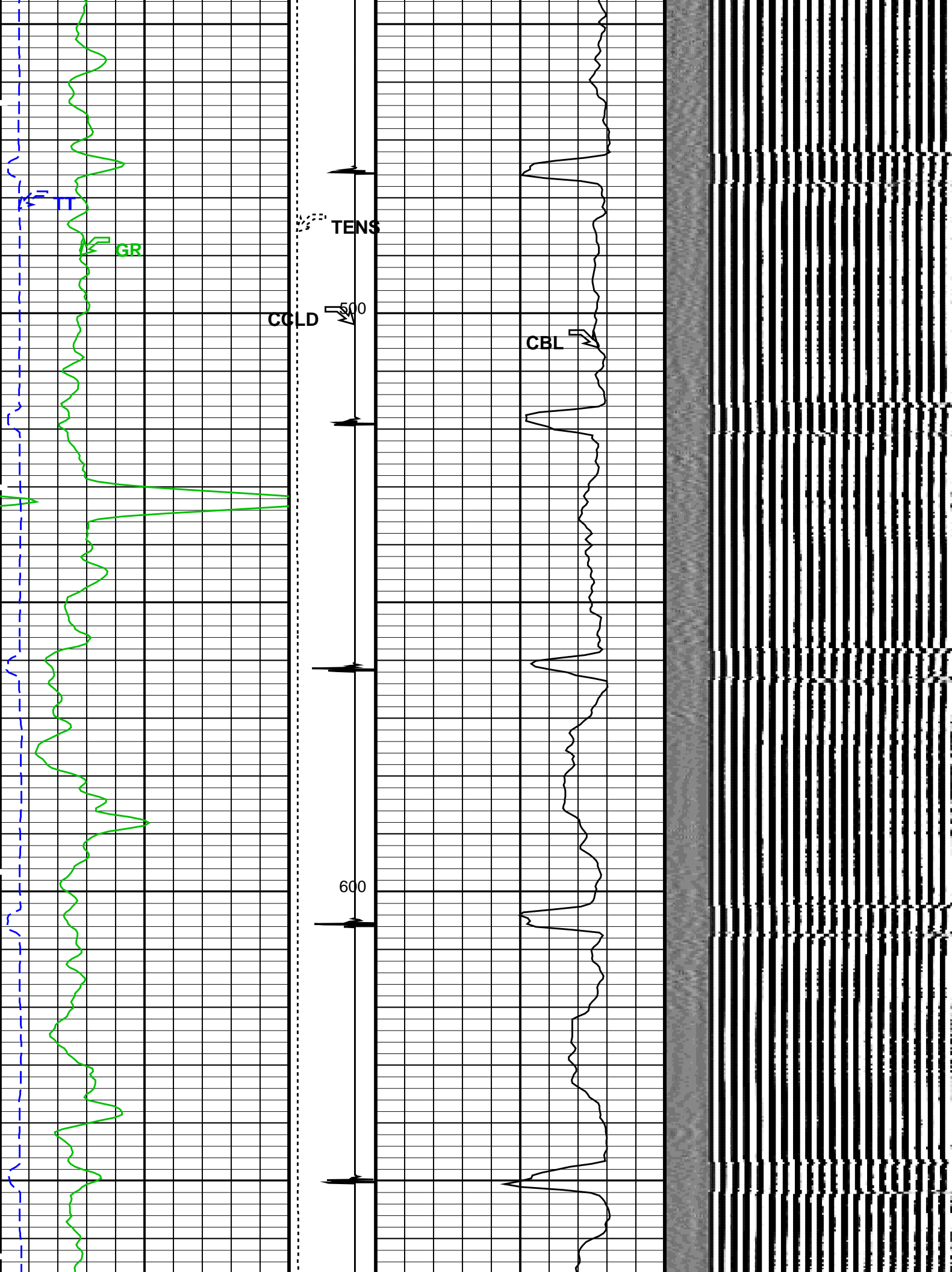
PIP SUMMARY

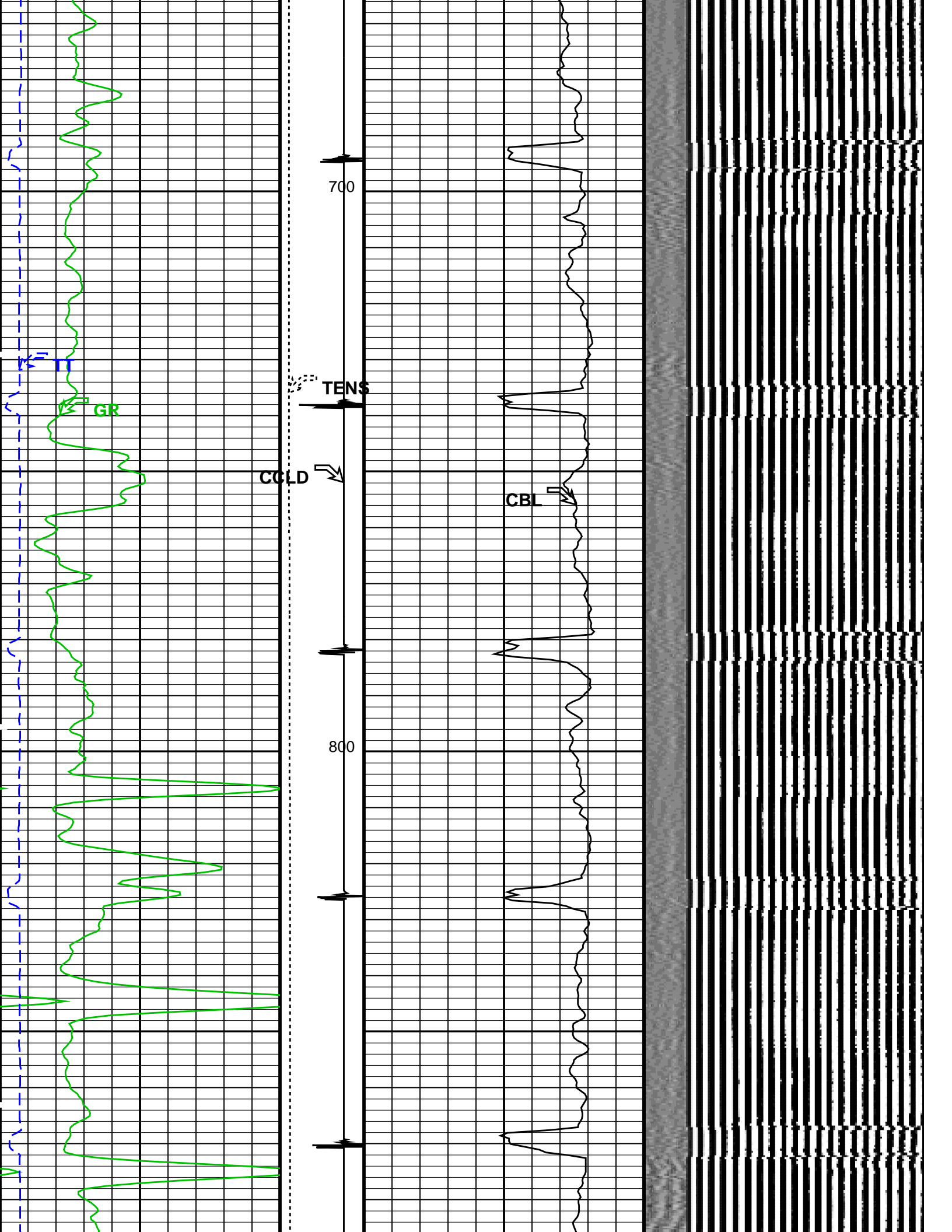
☒ Time Mark Every 60 S

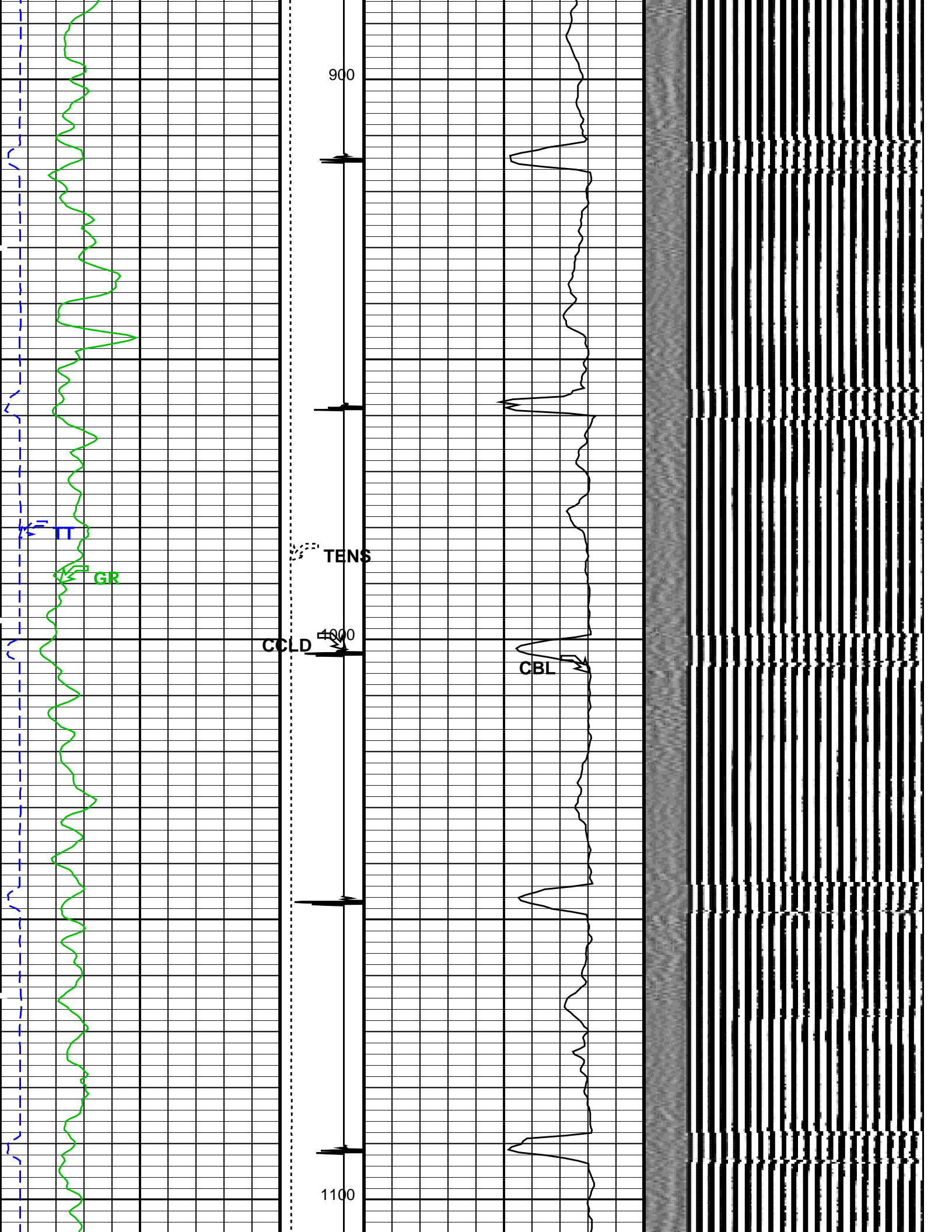


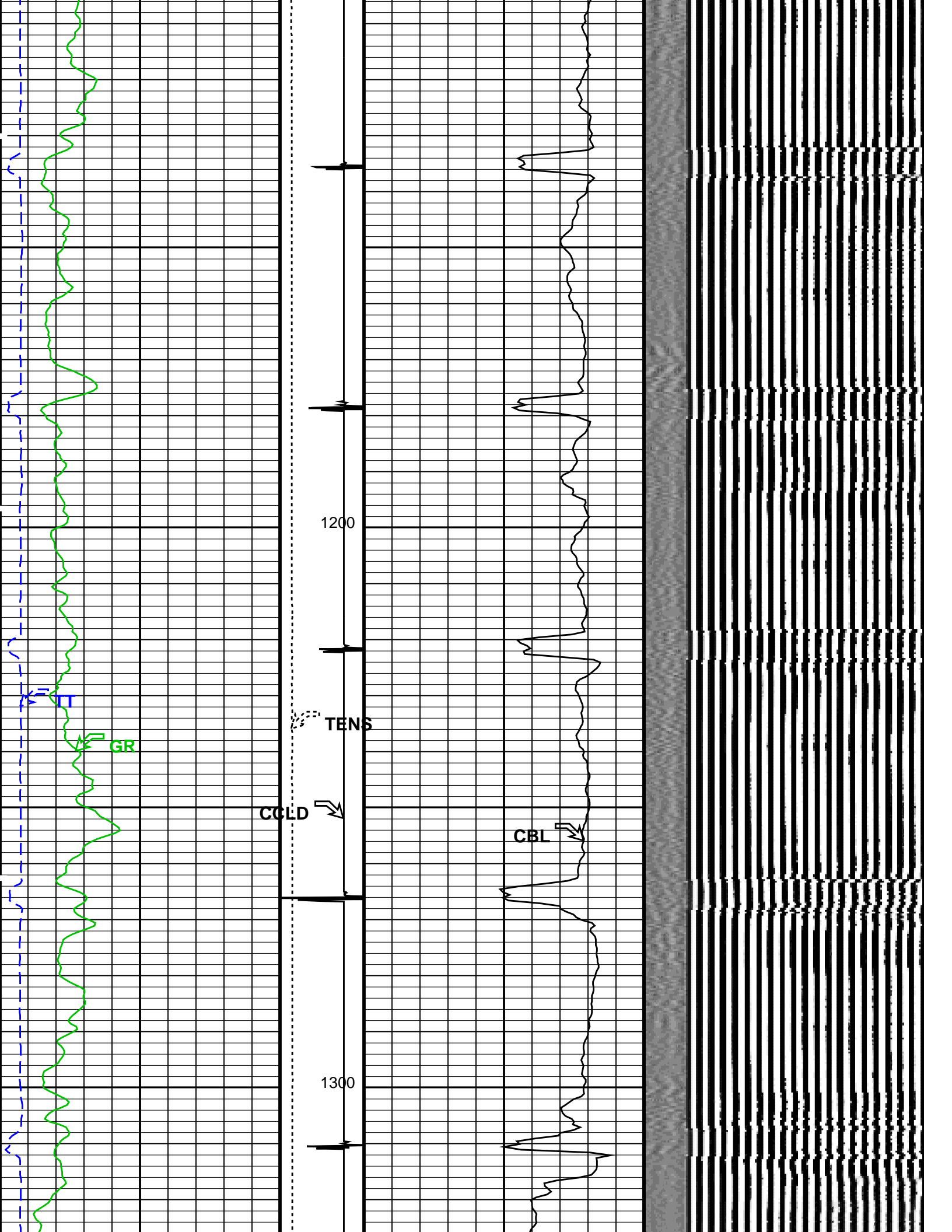


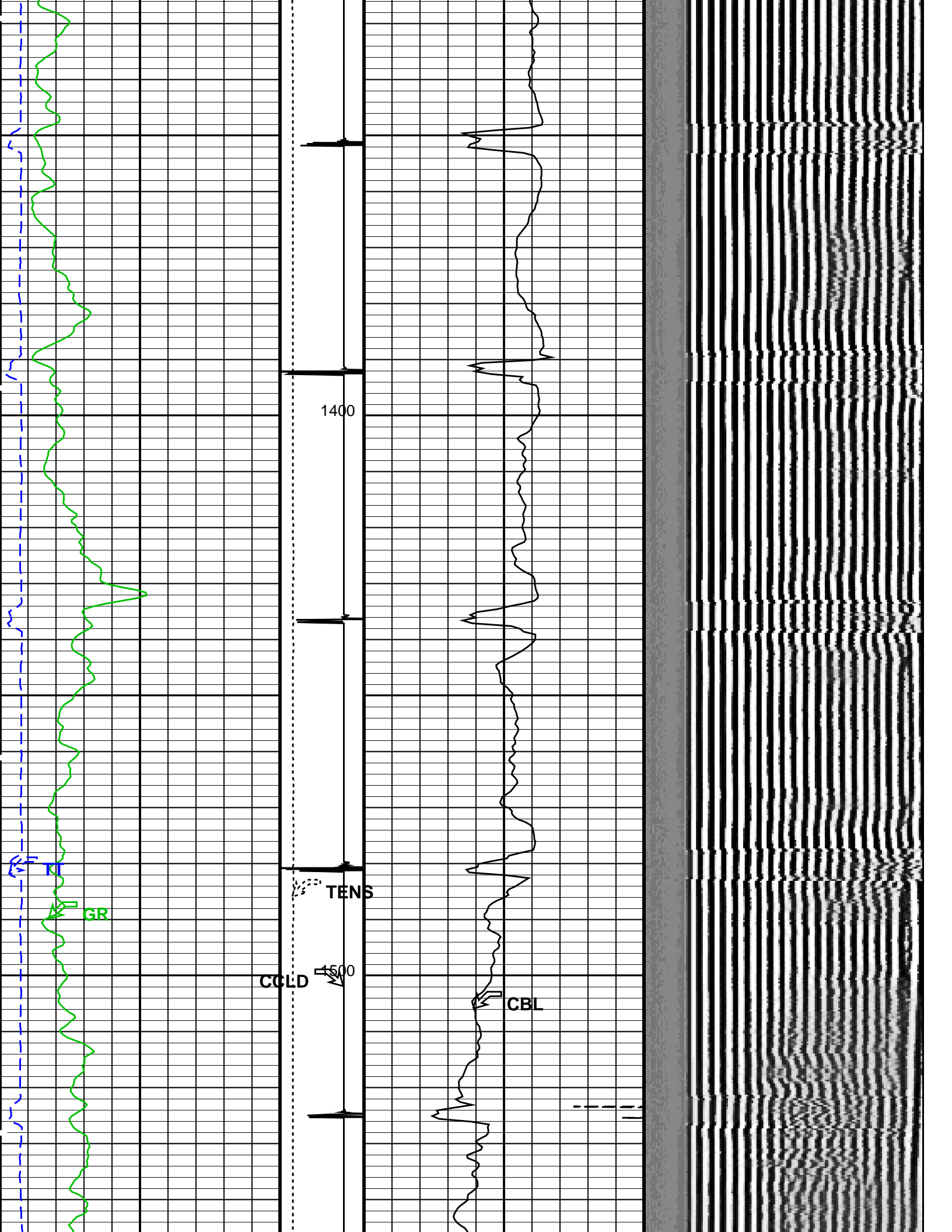


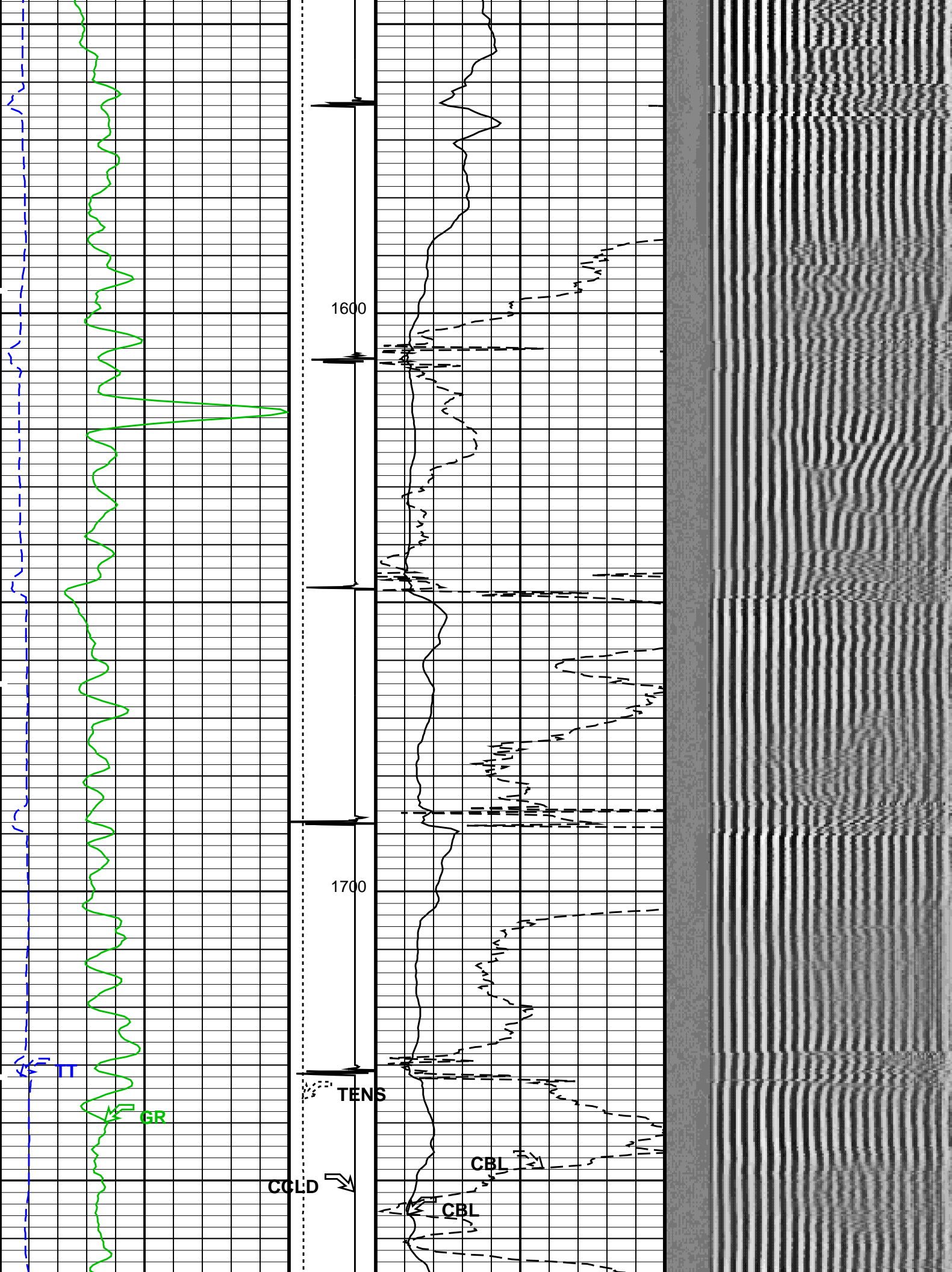


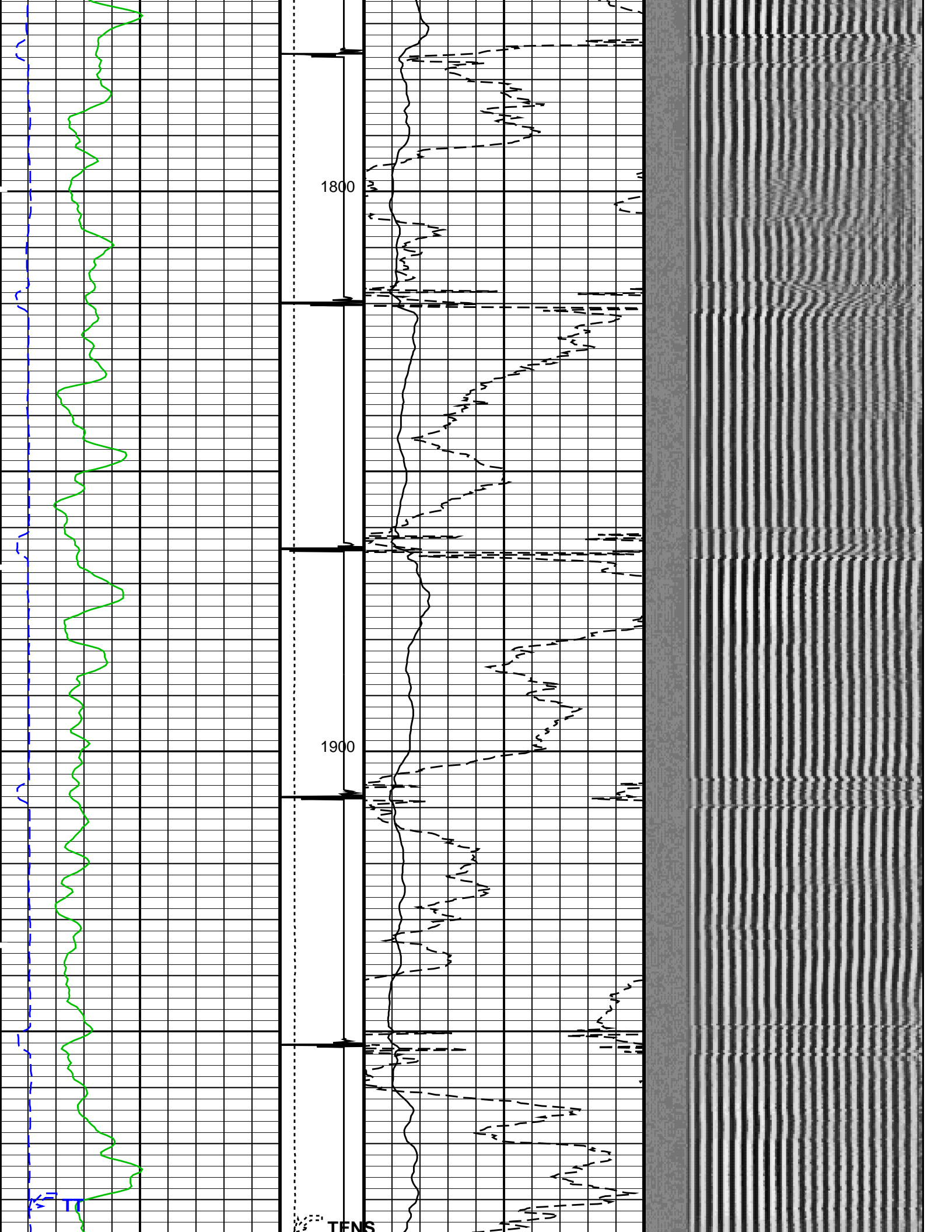


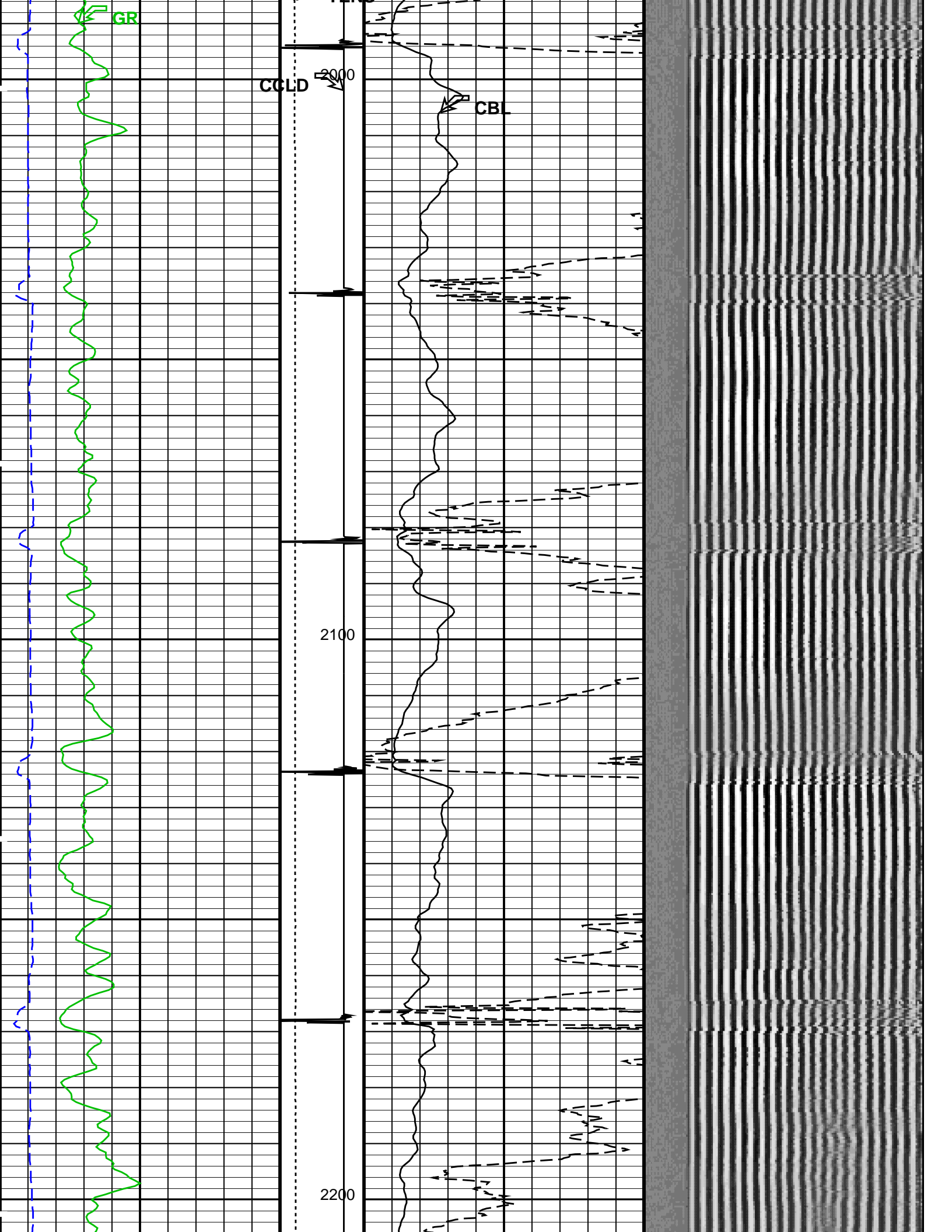


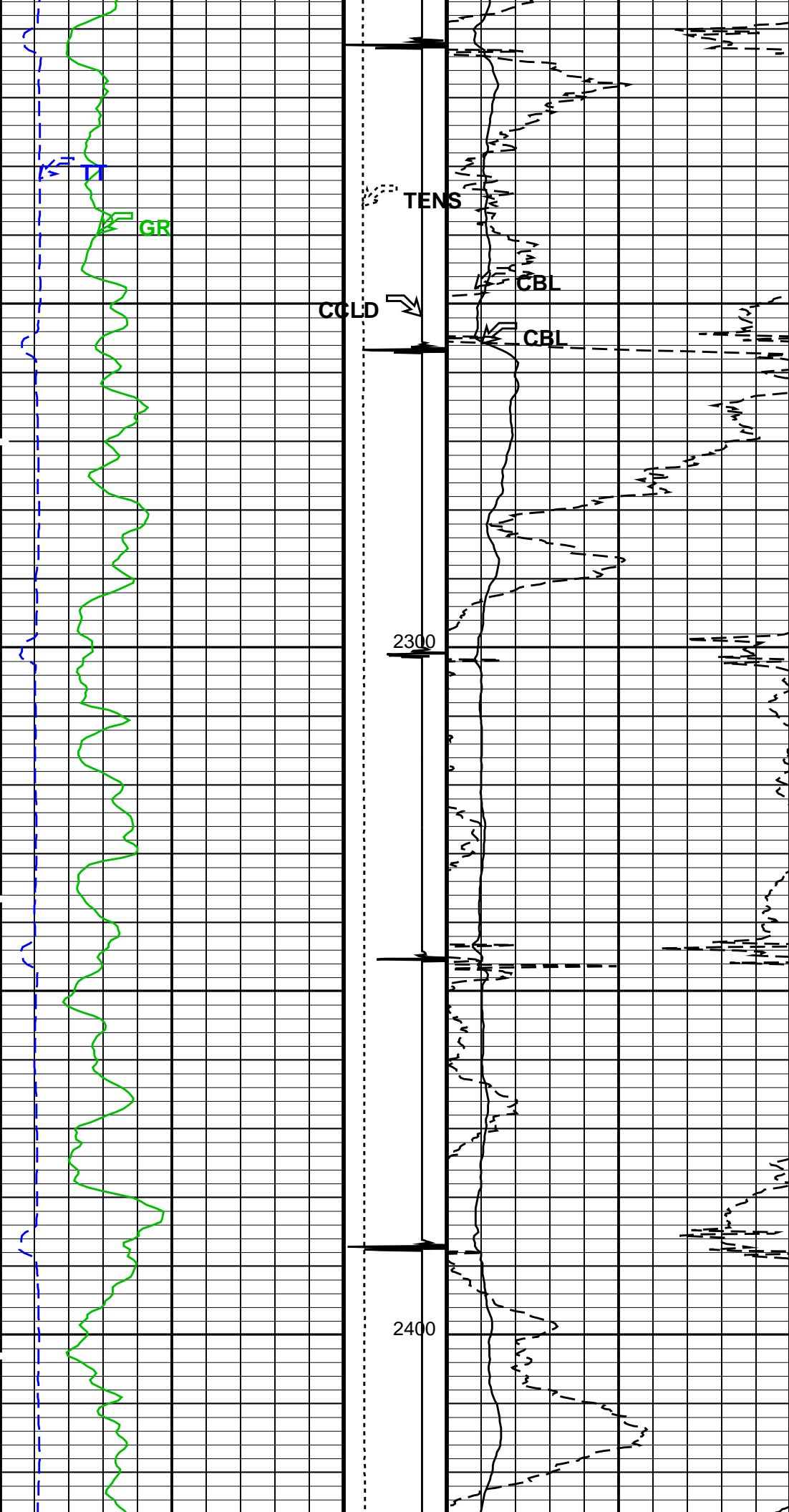


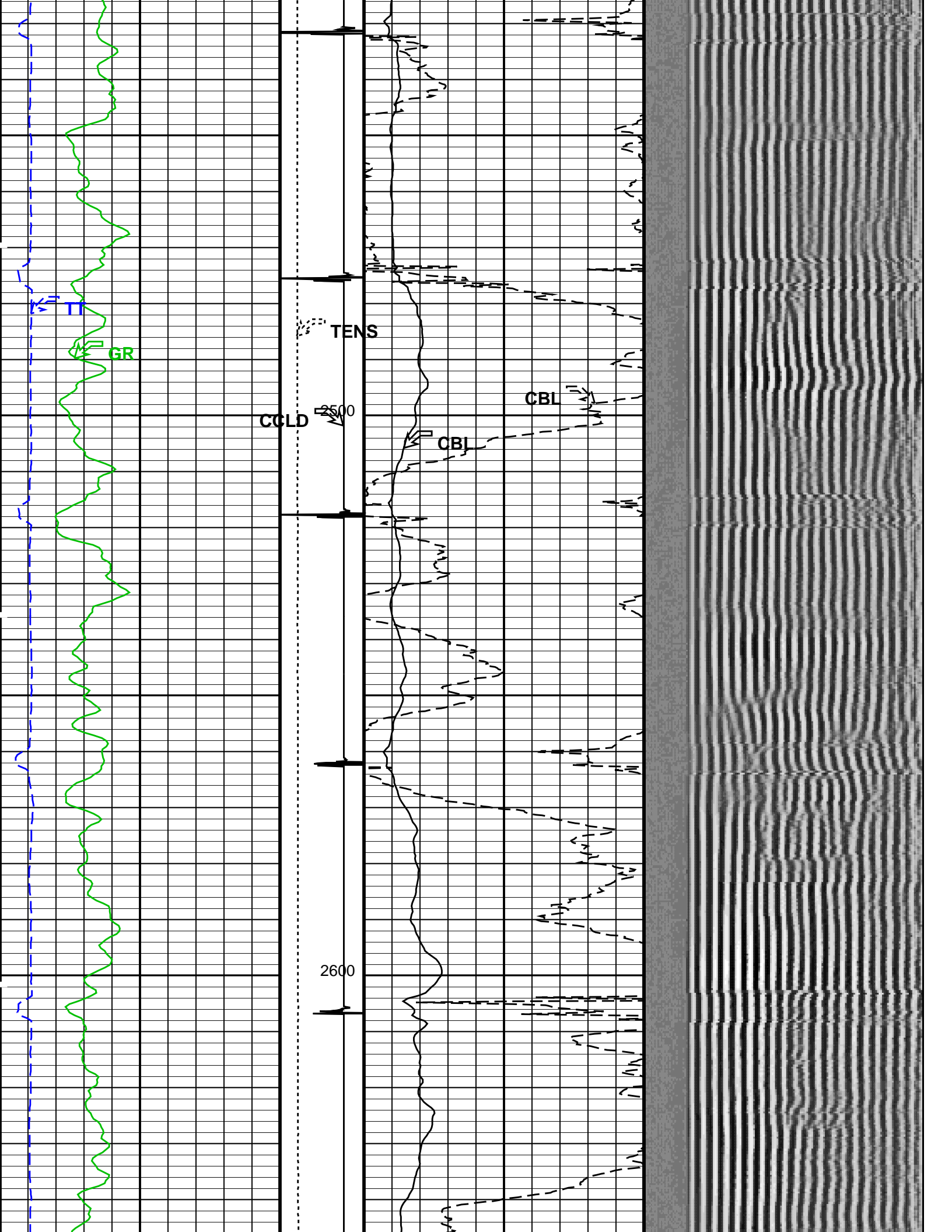


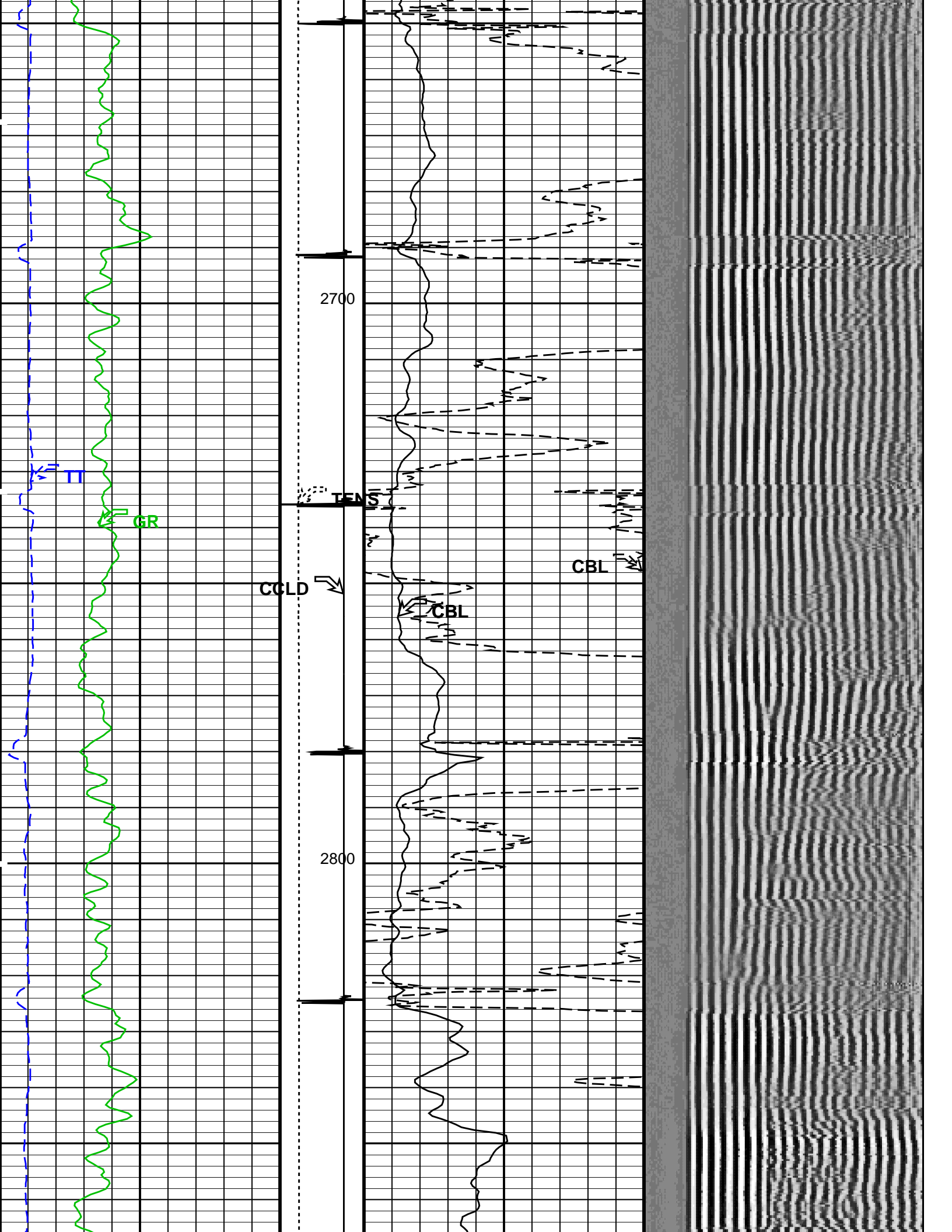


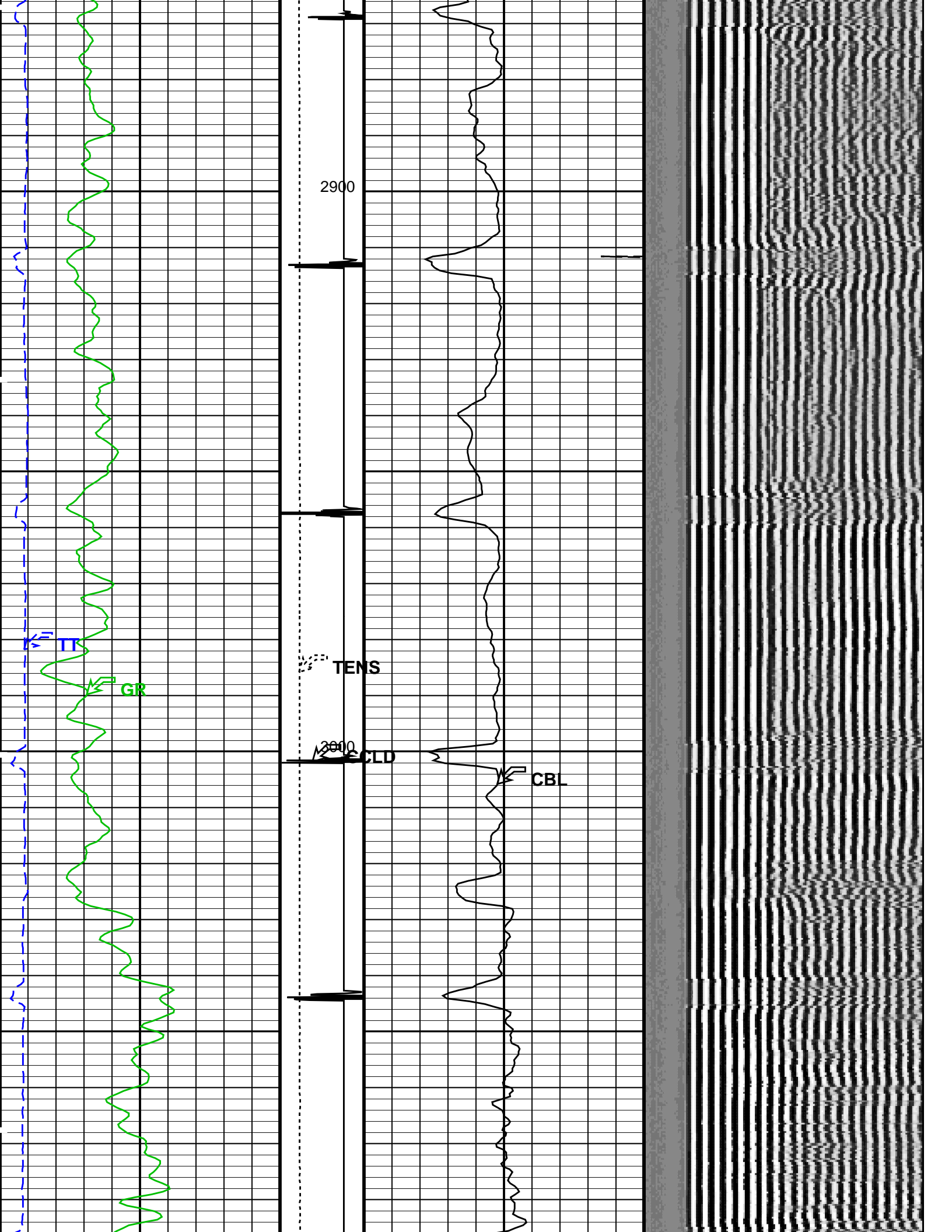


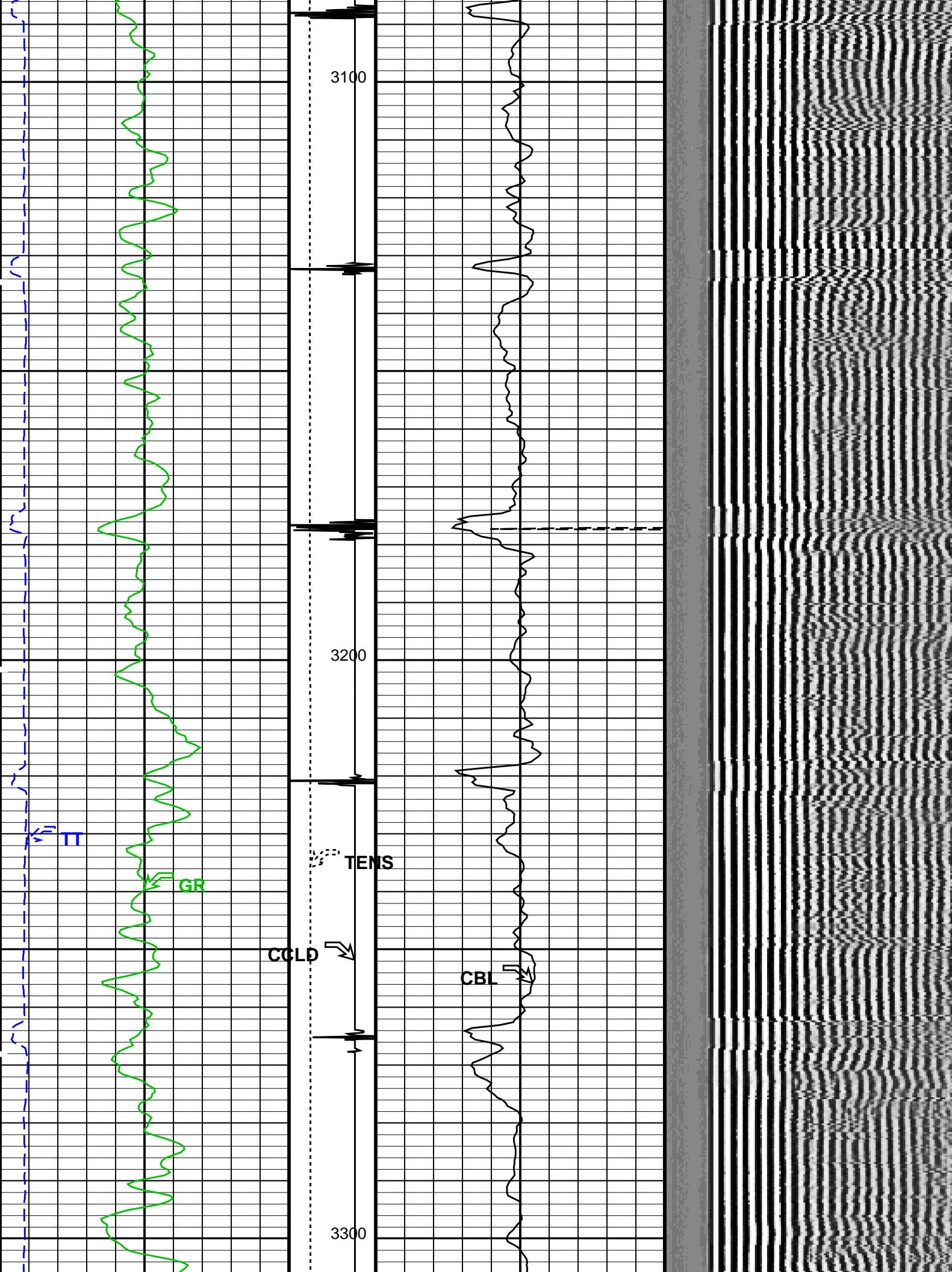


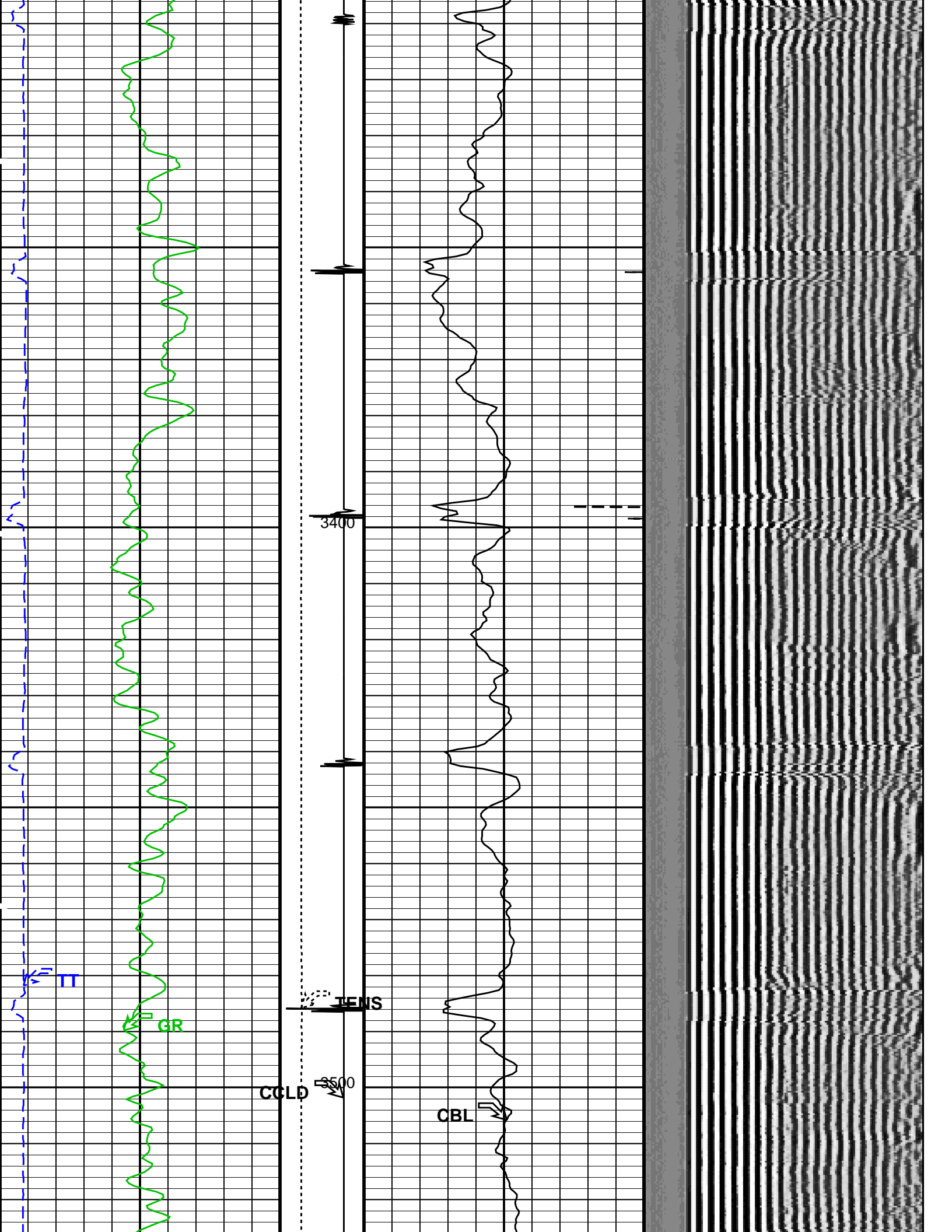


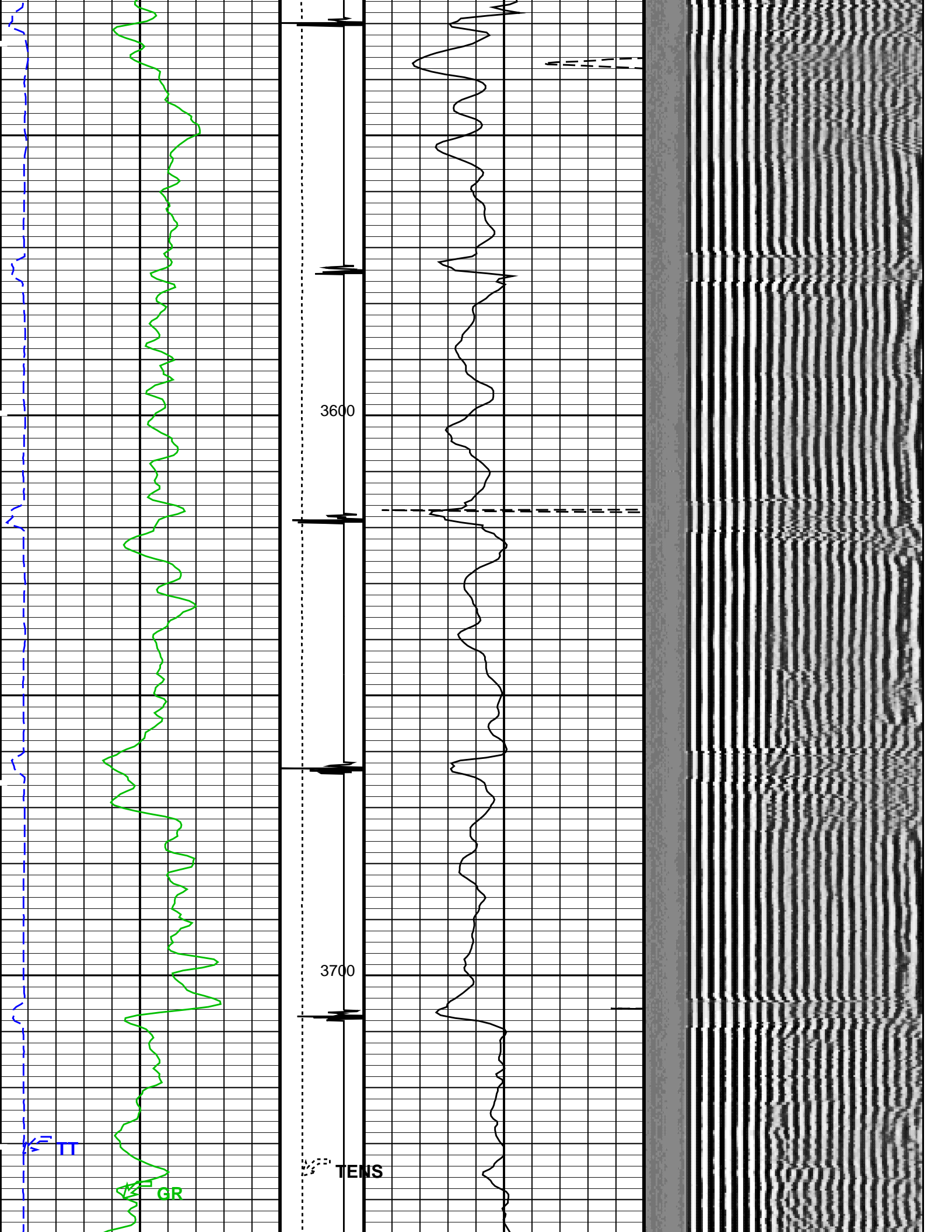


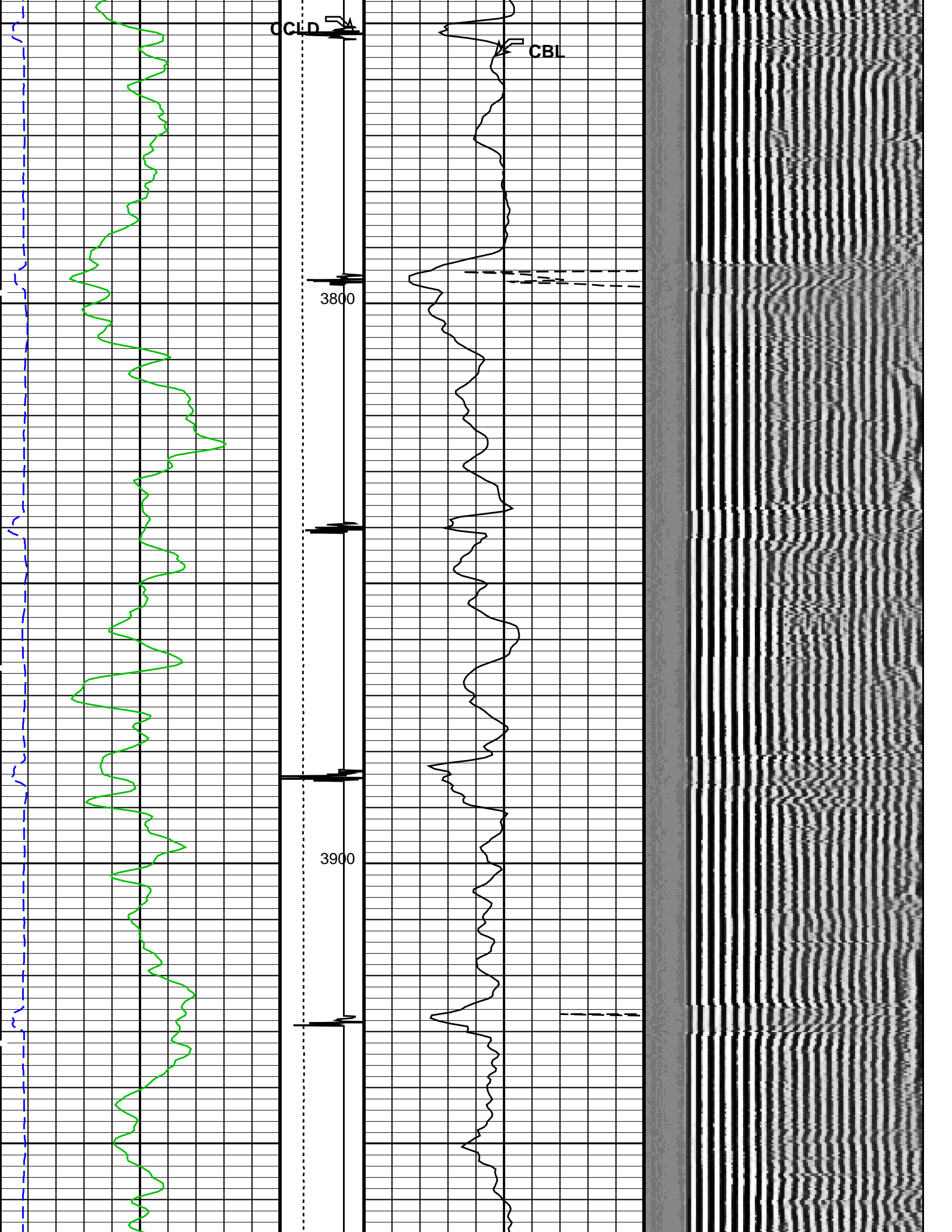


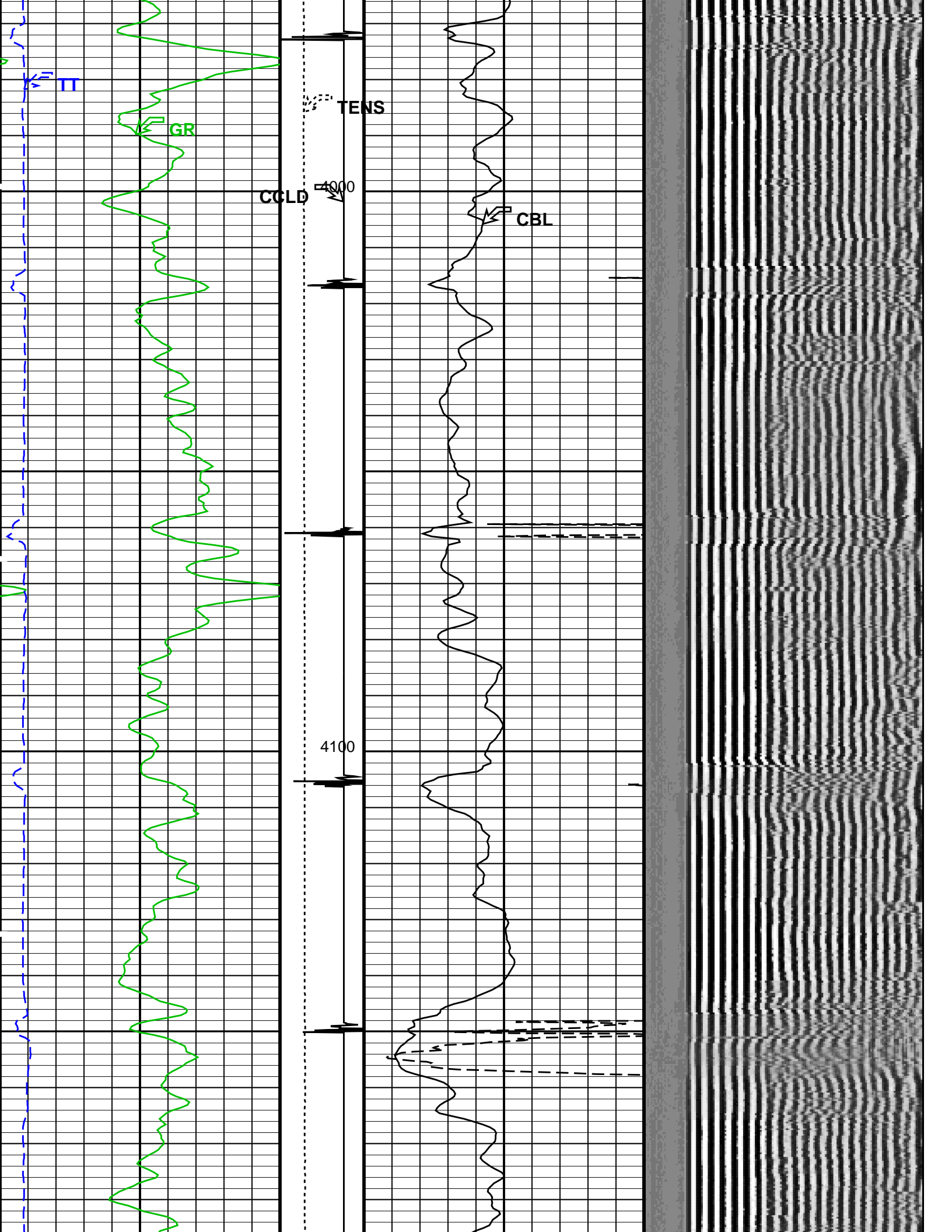


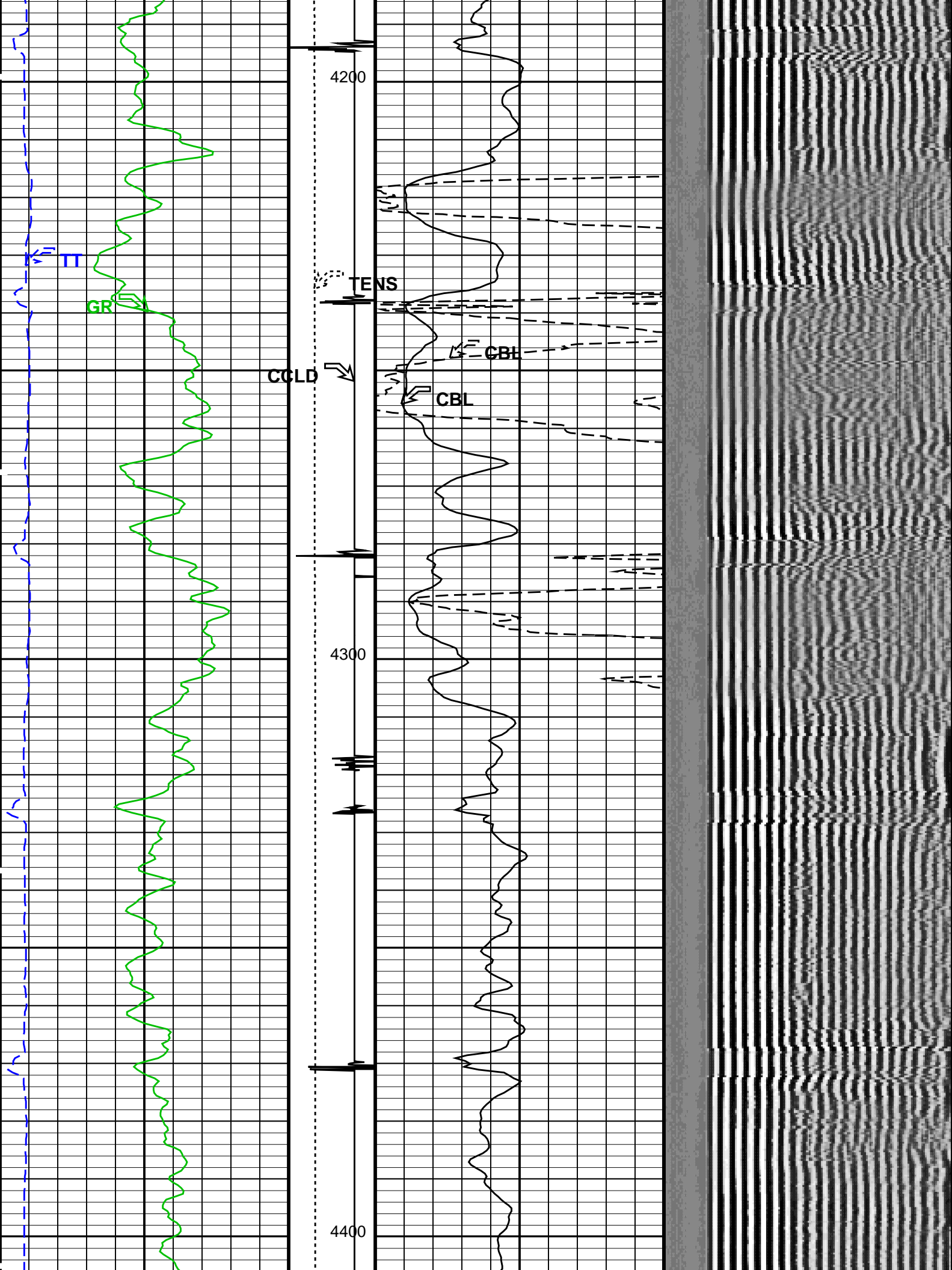


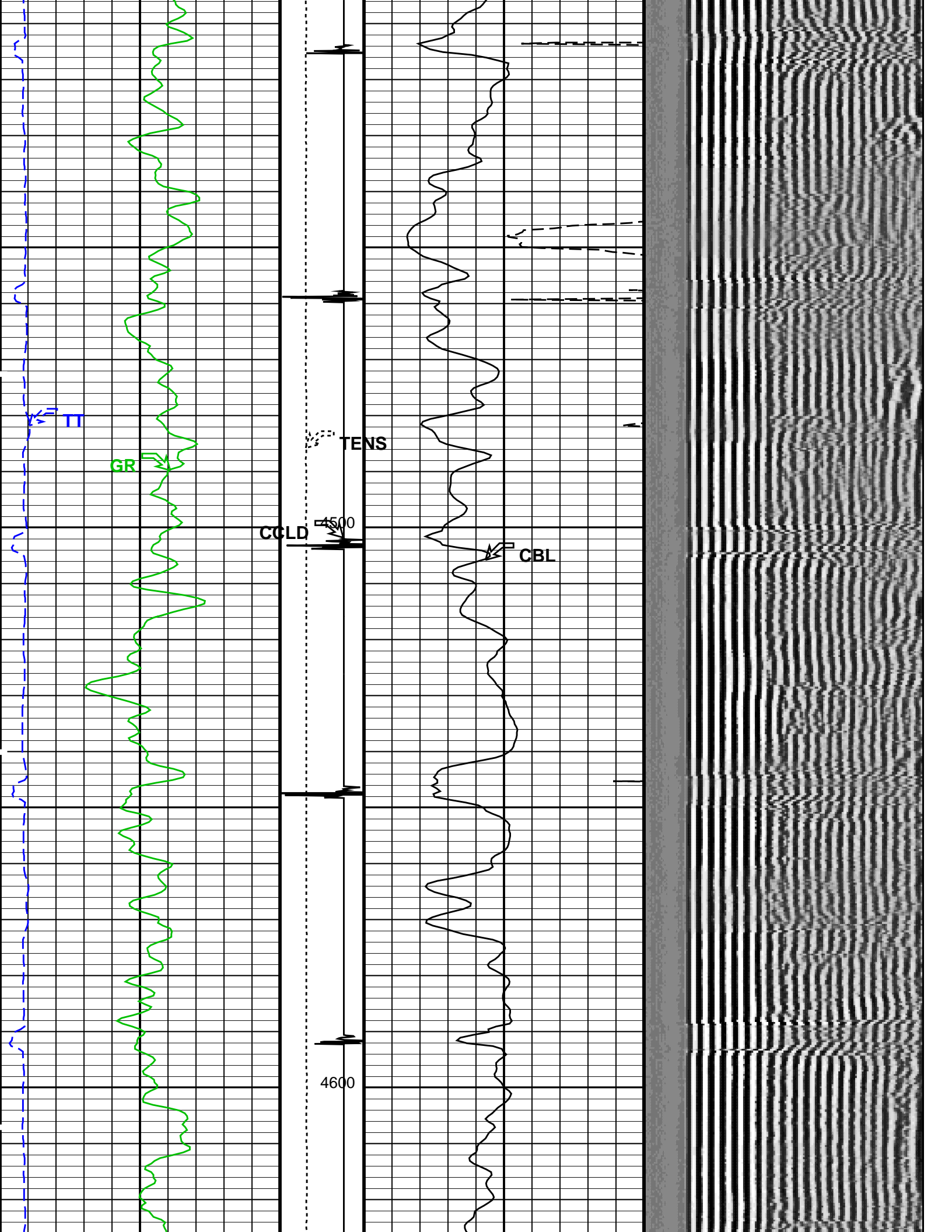


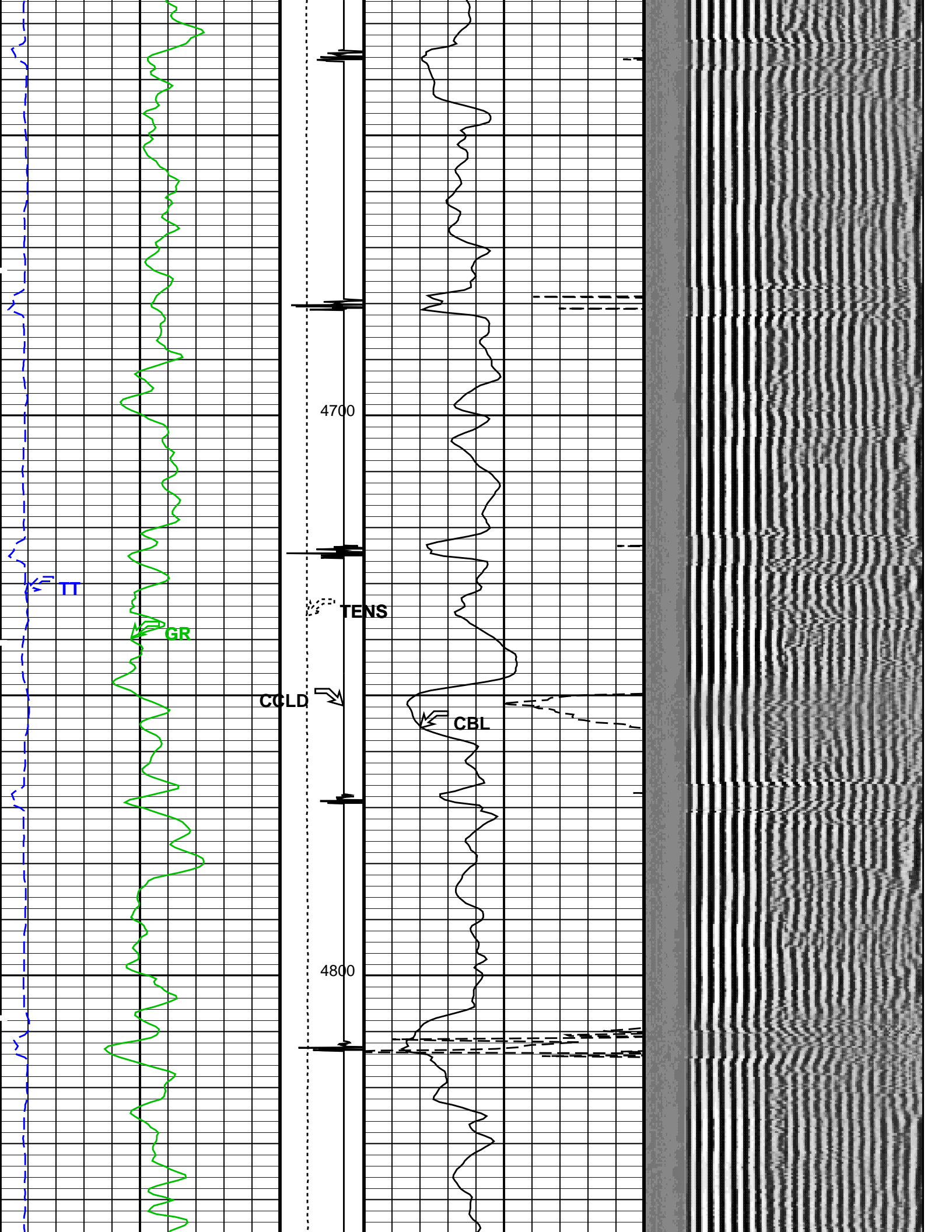


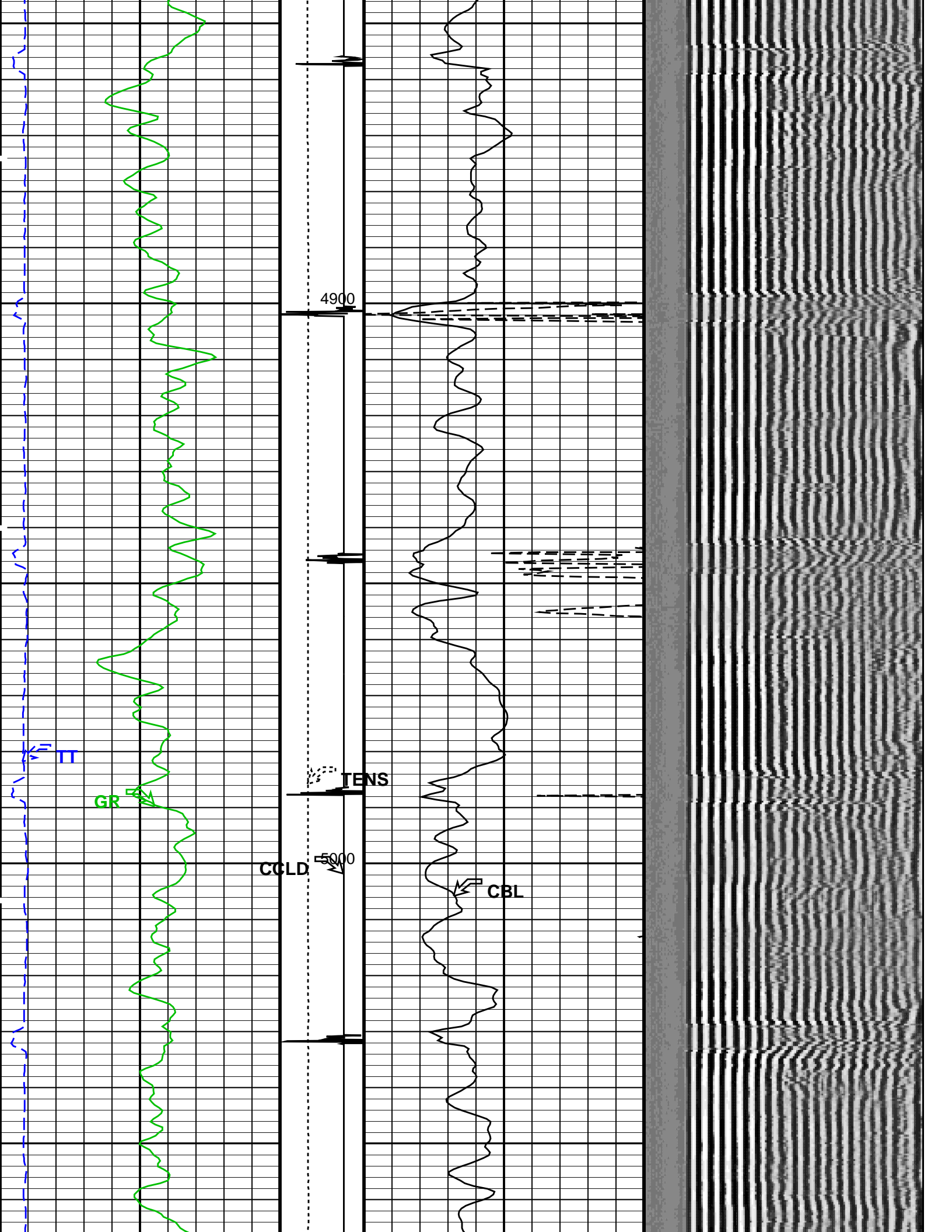


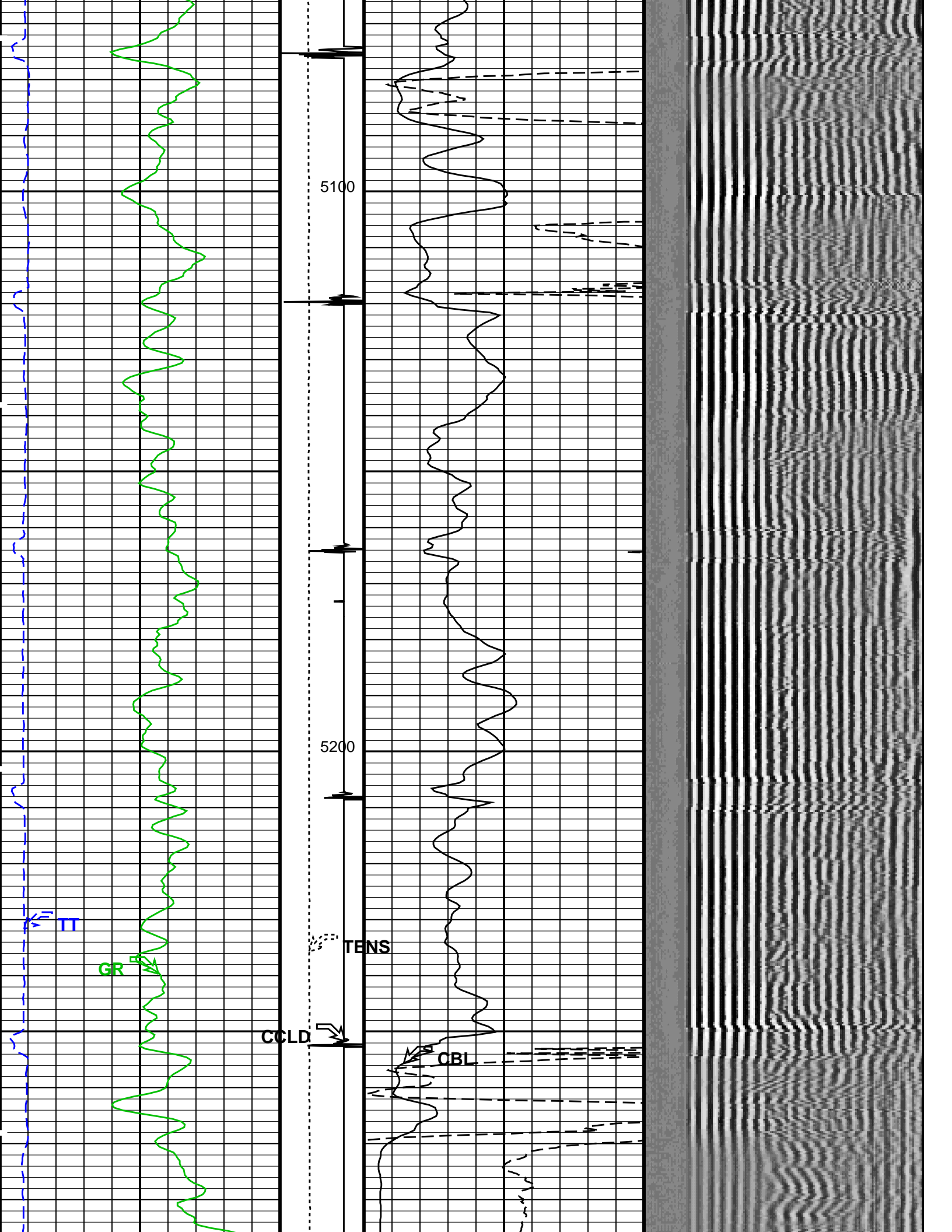


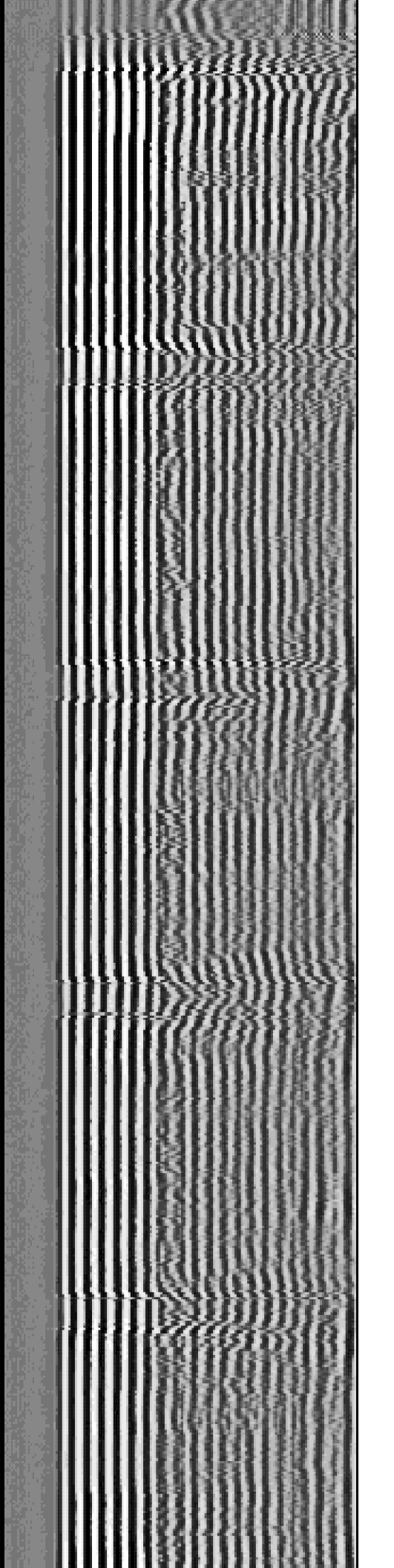
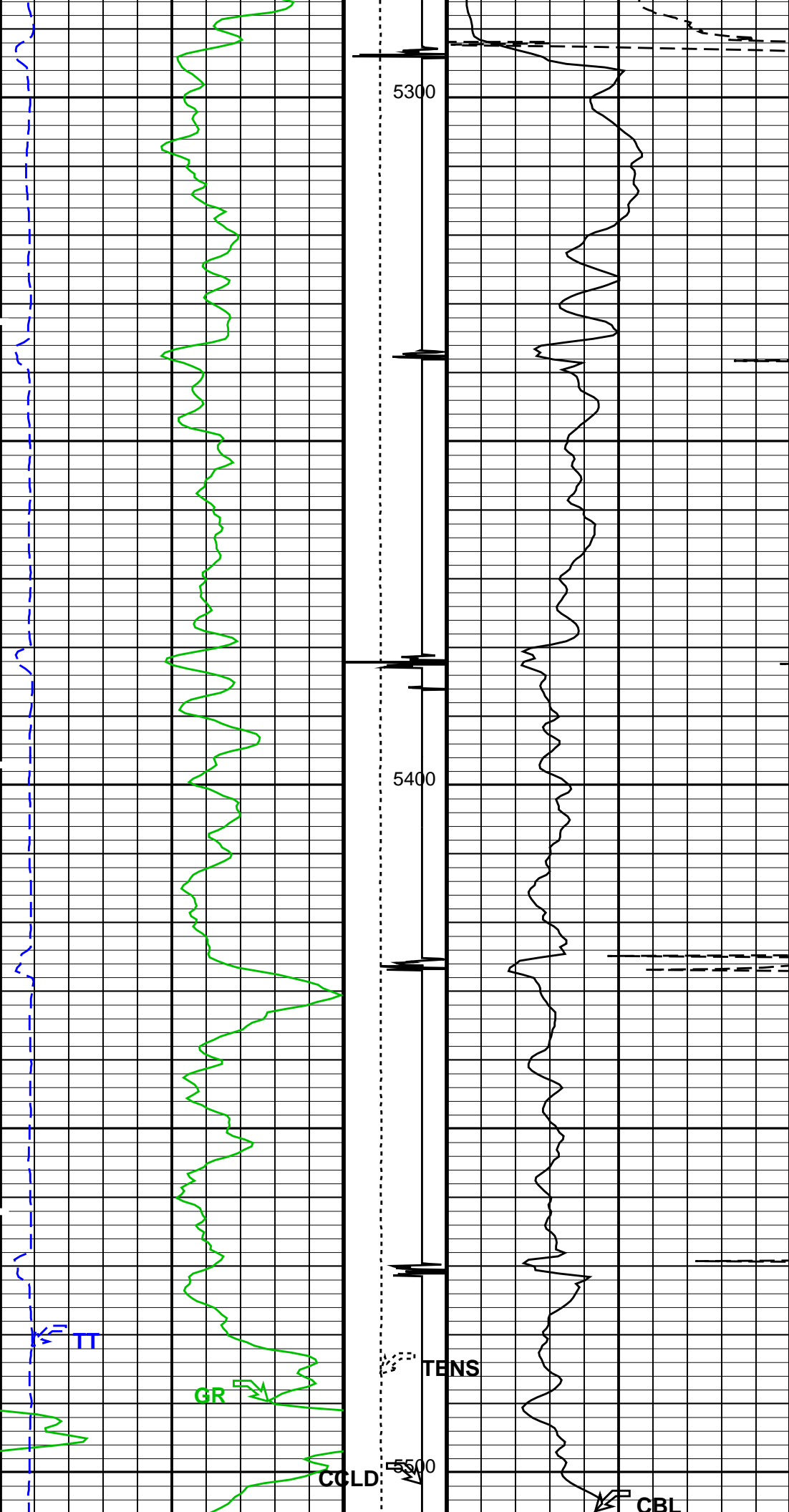


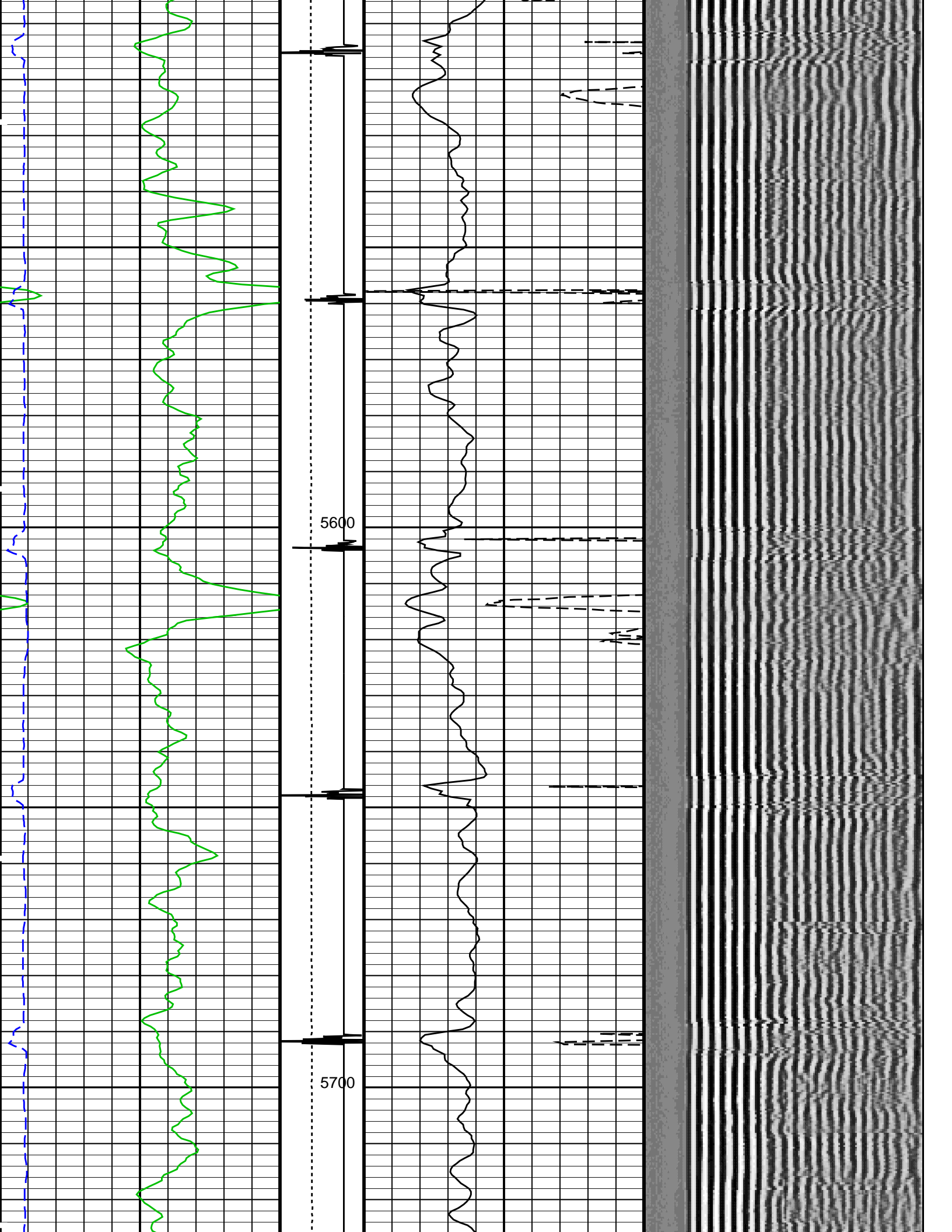


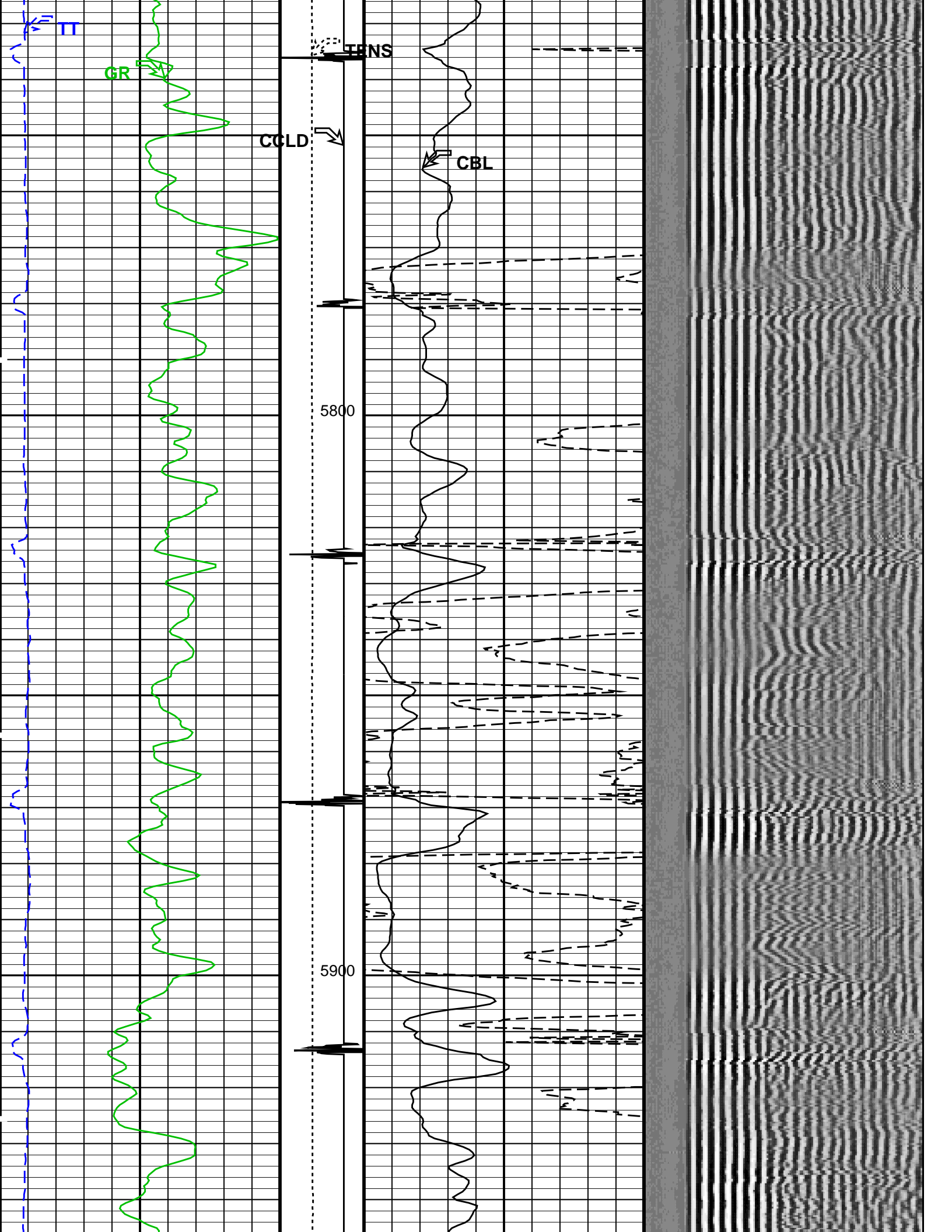


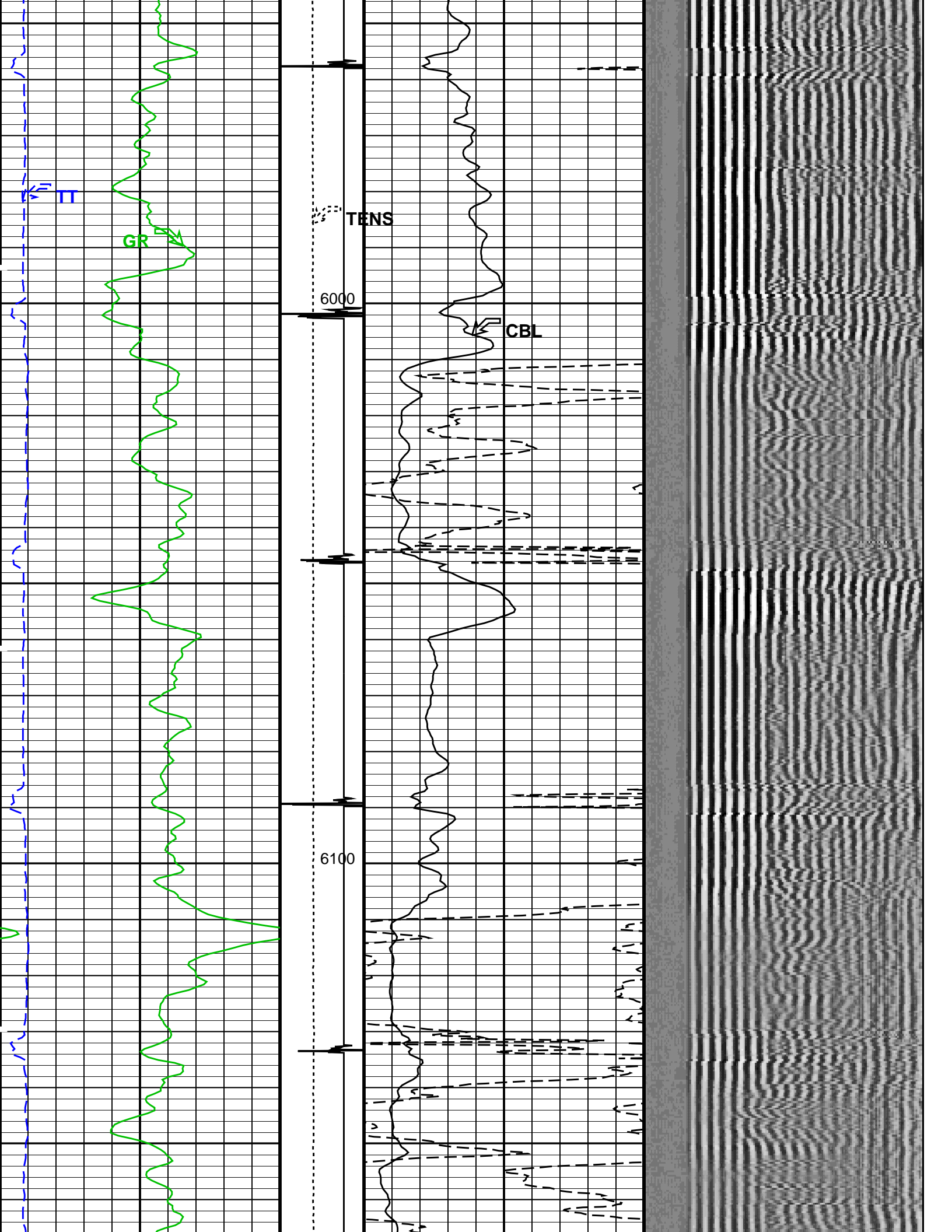


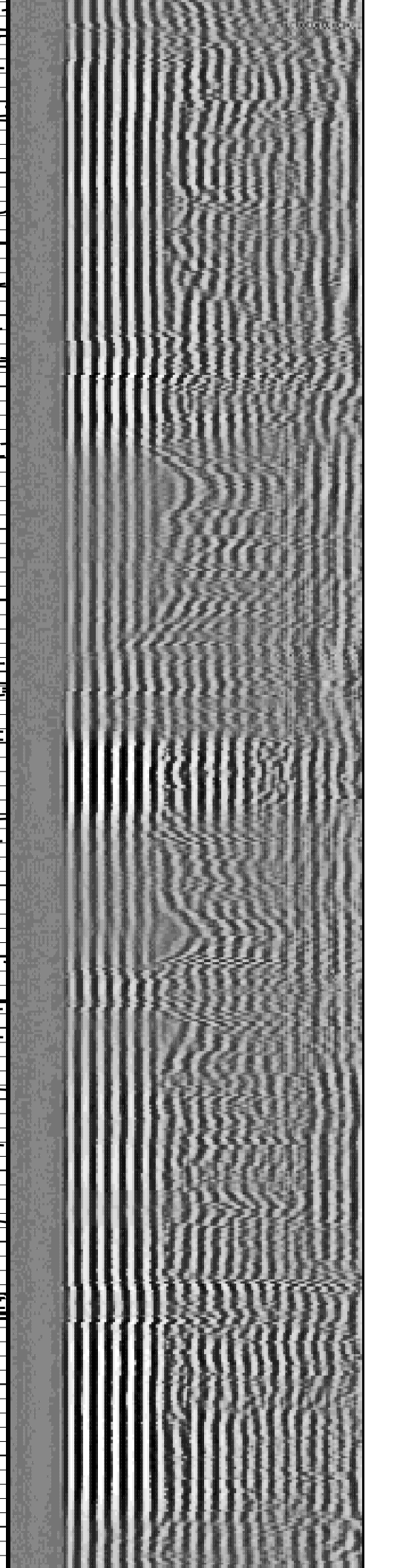
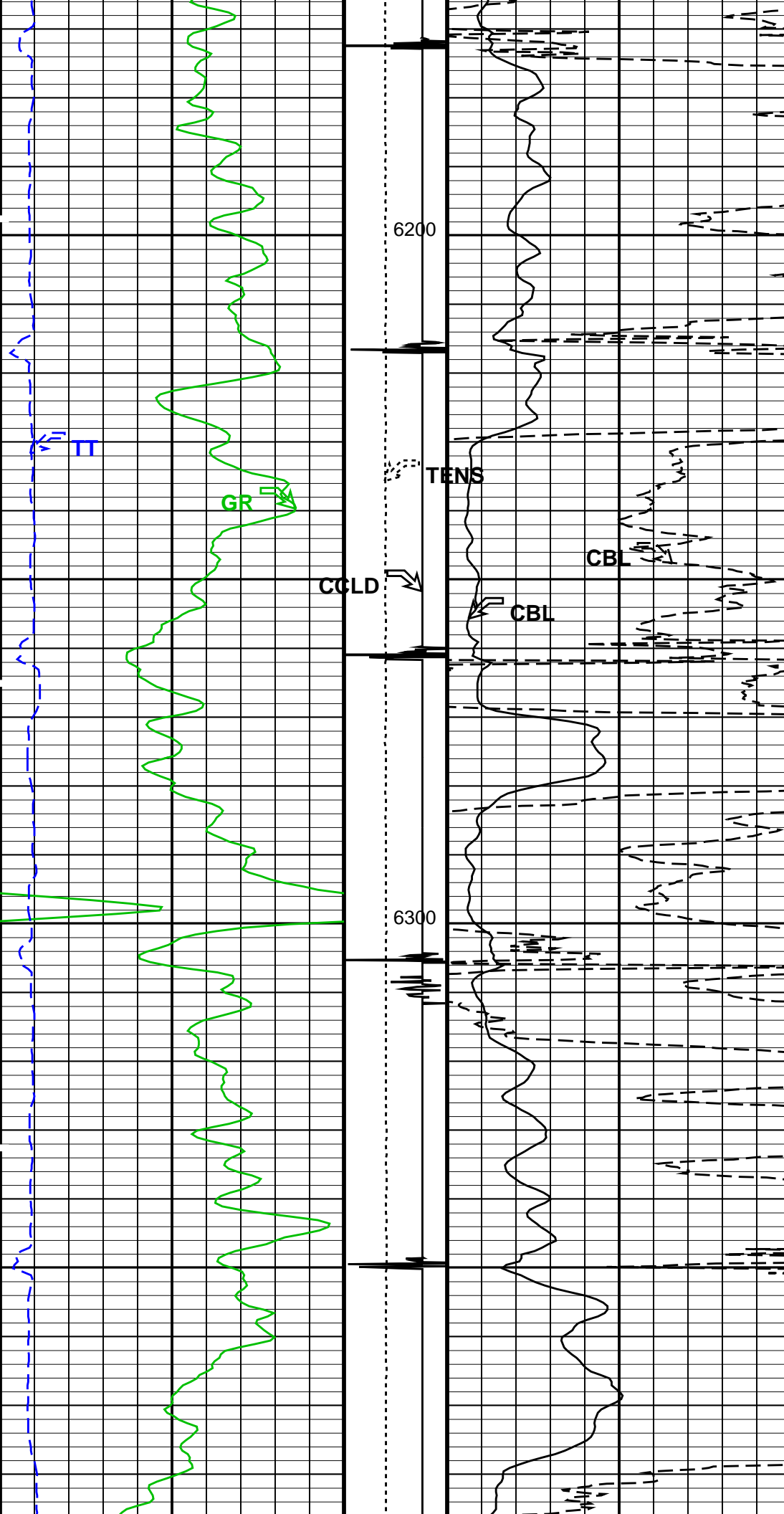


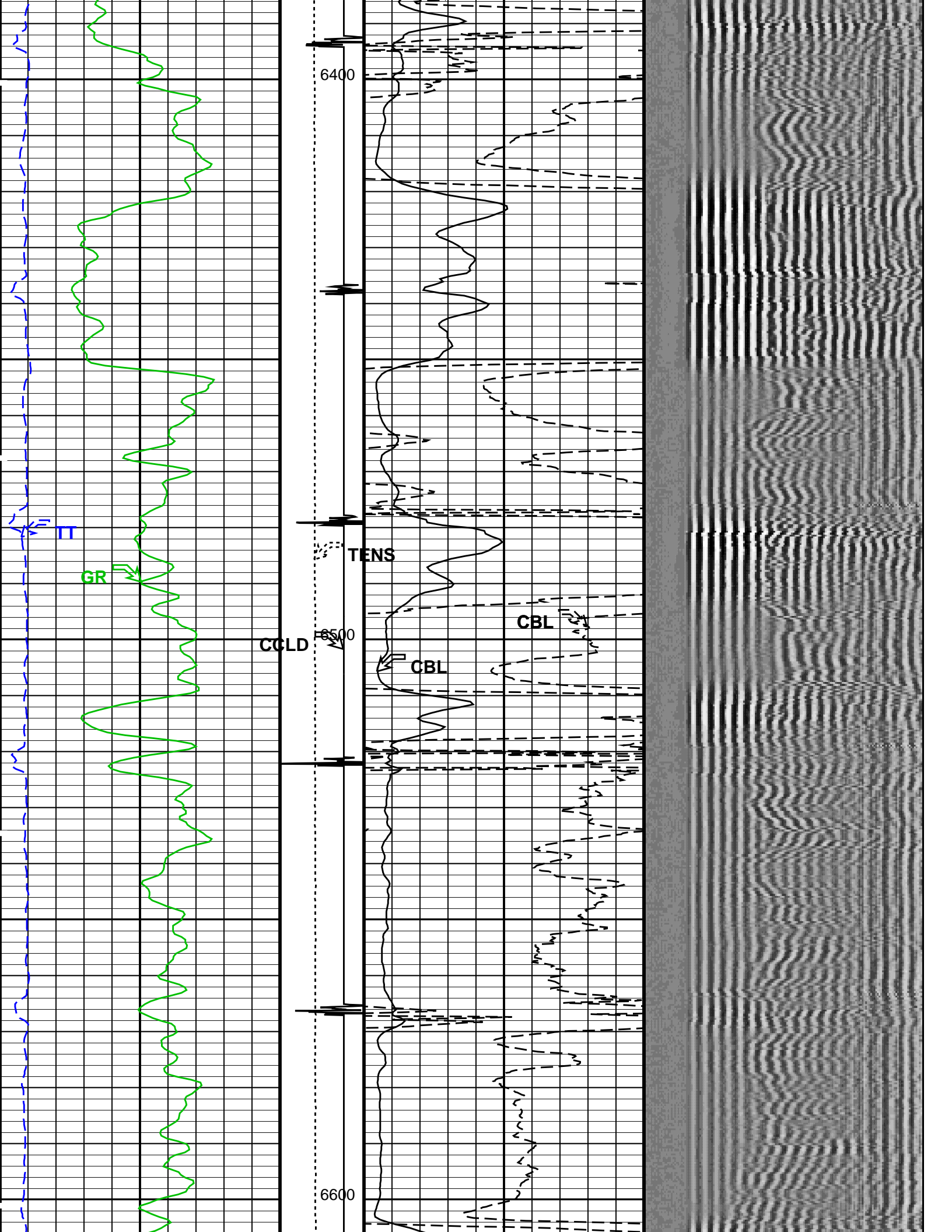


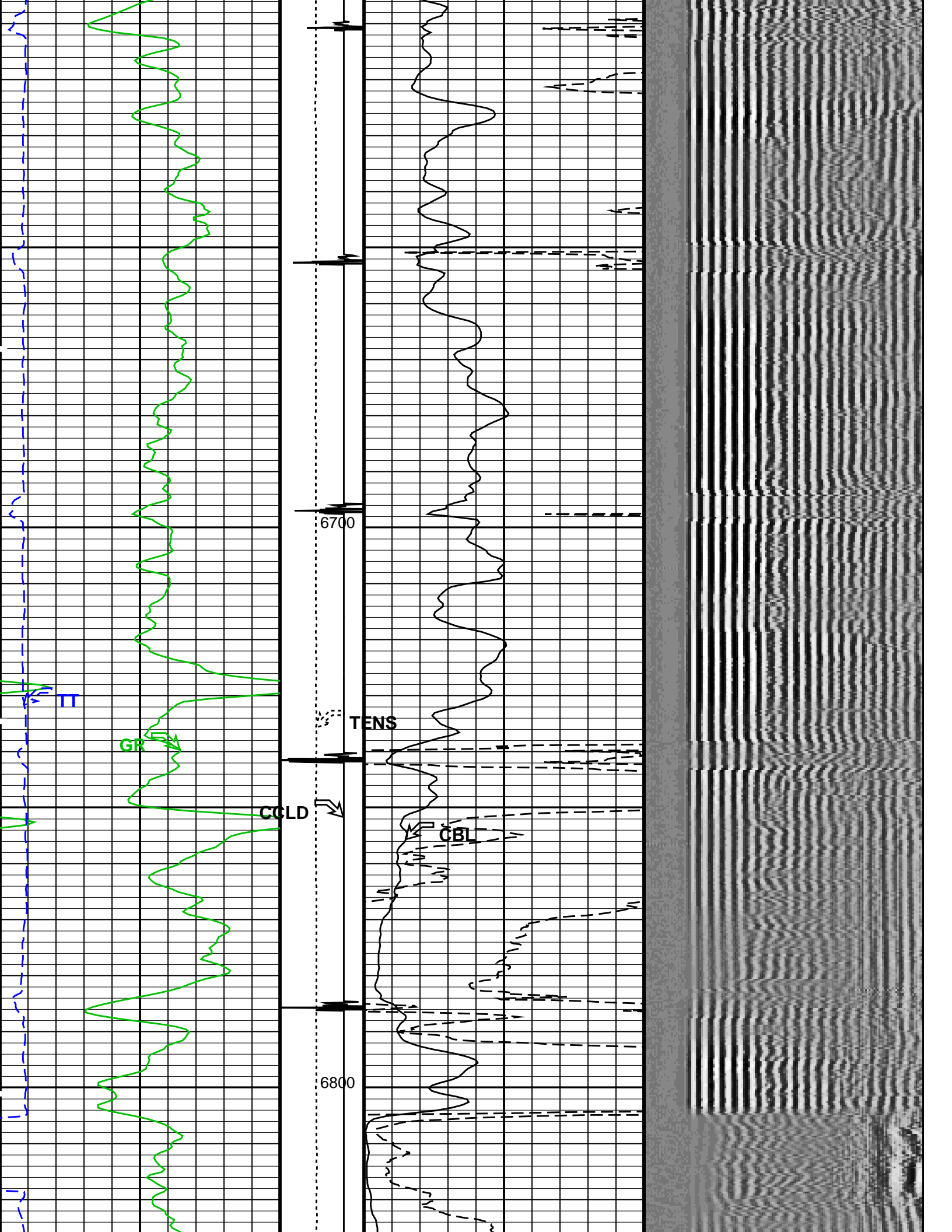


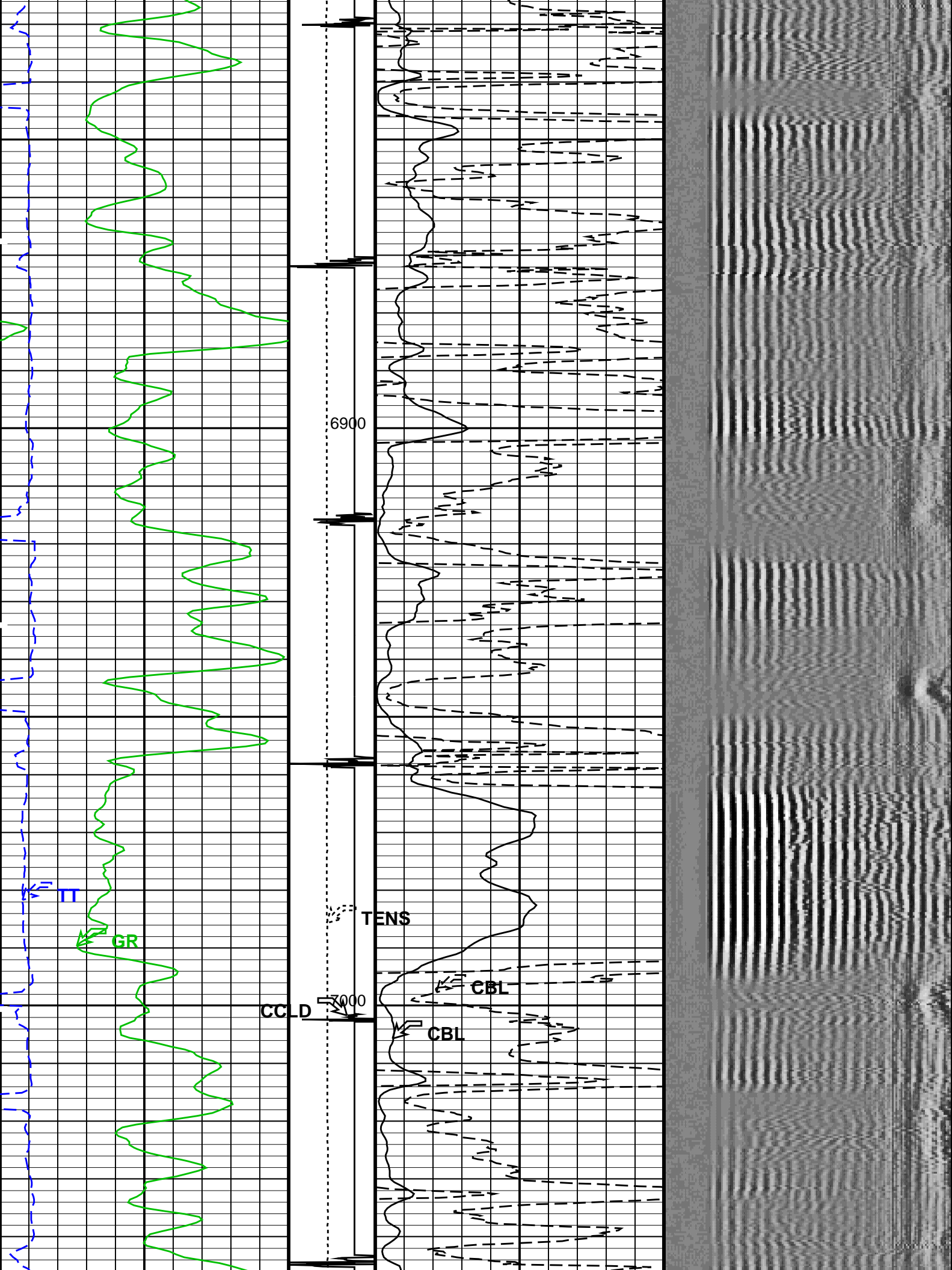


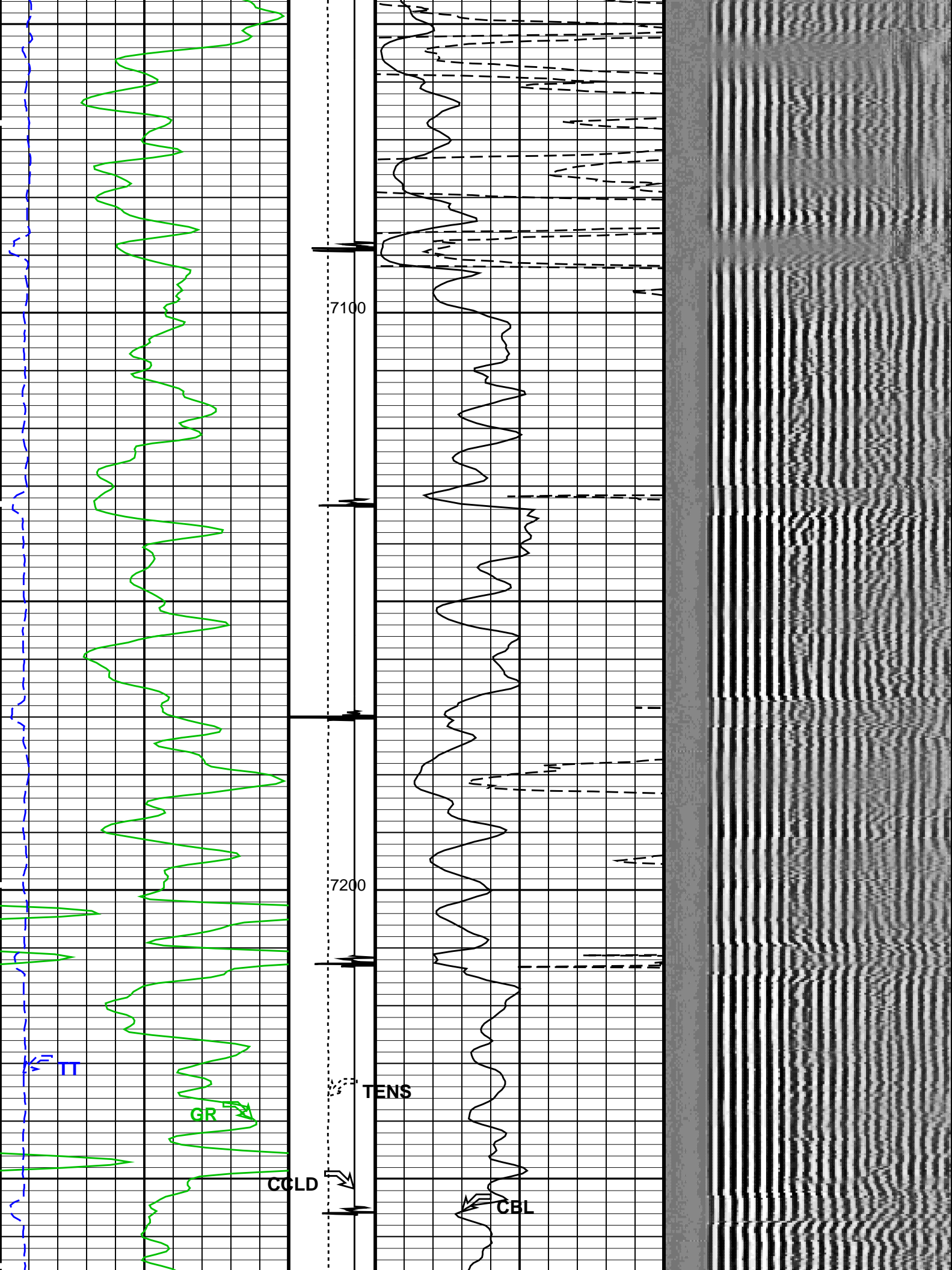


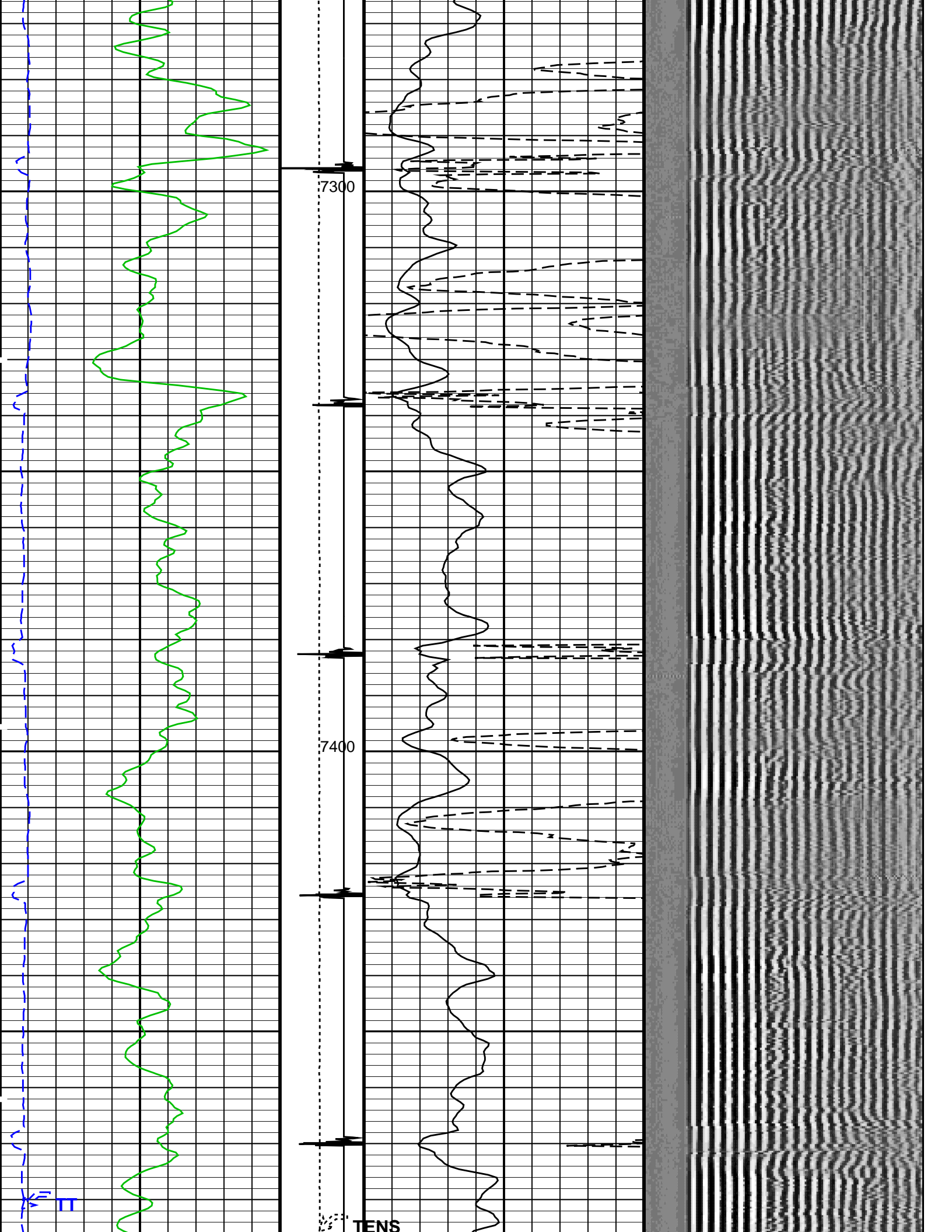


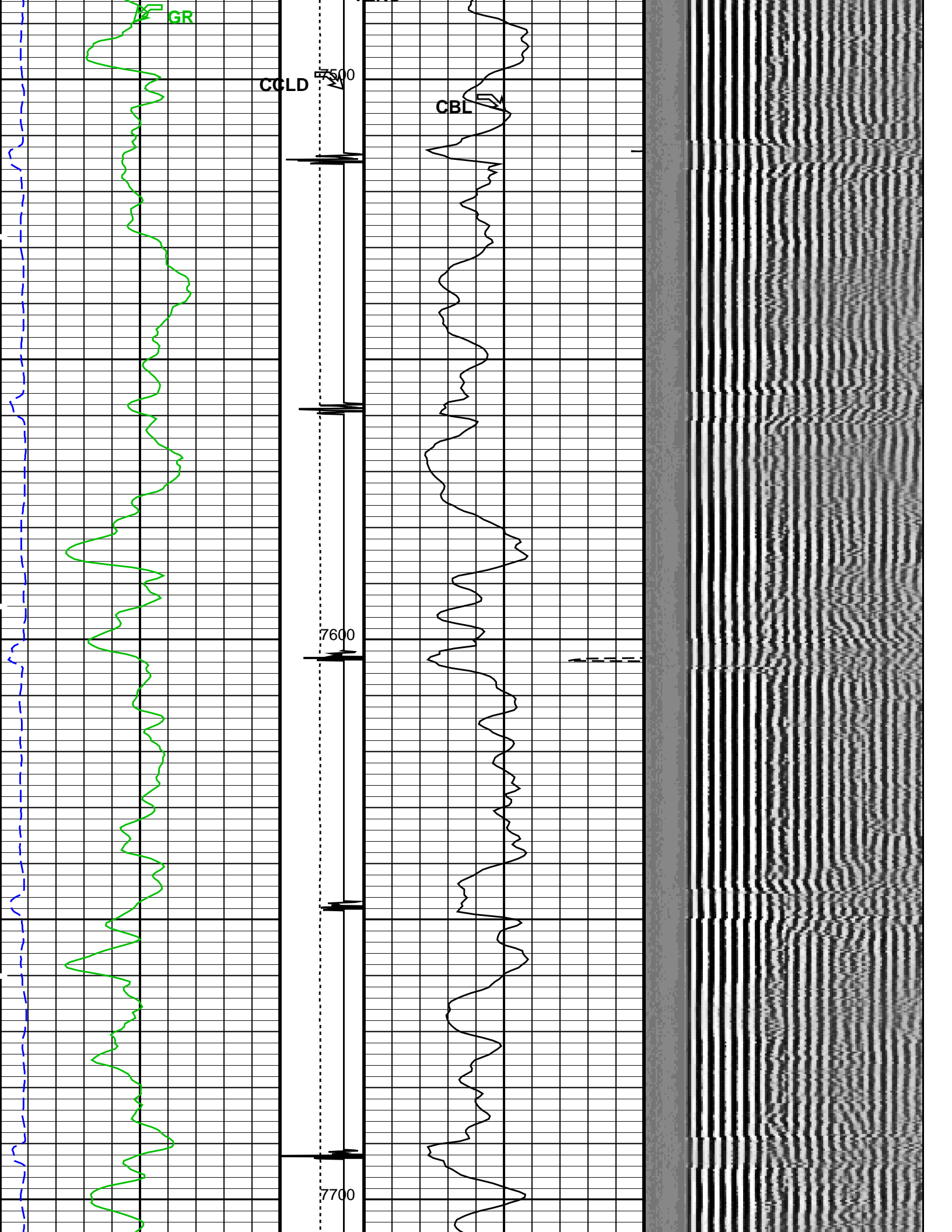


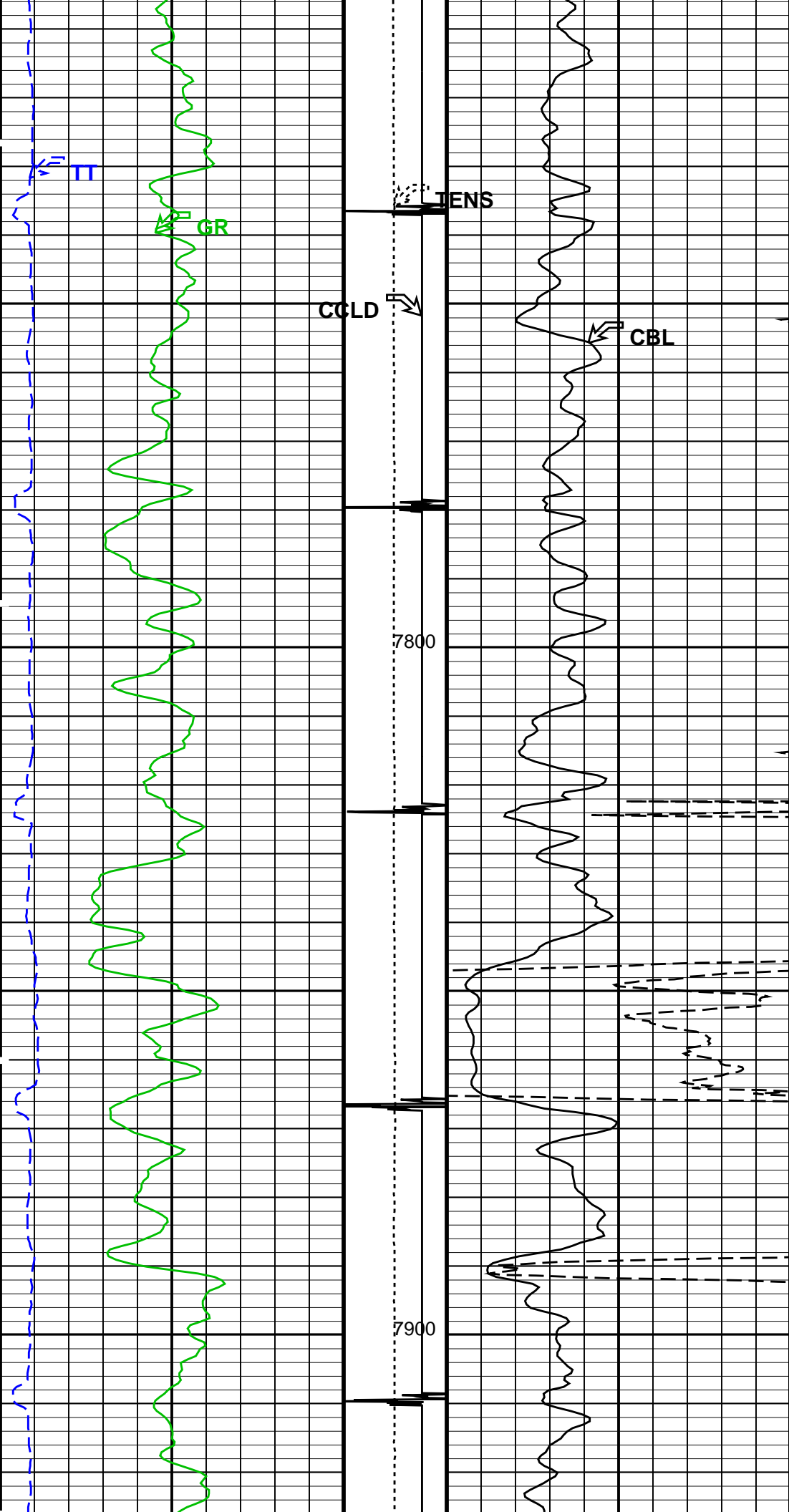


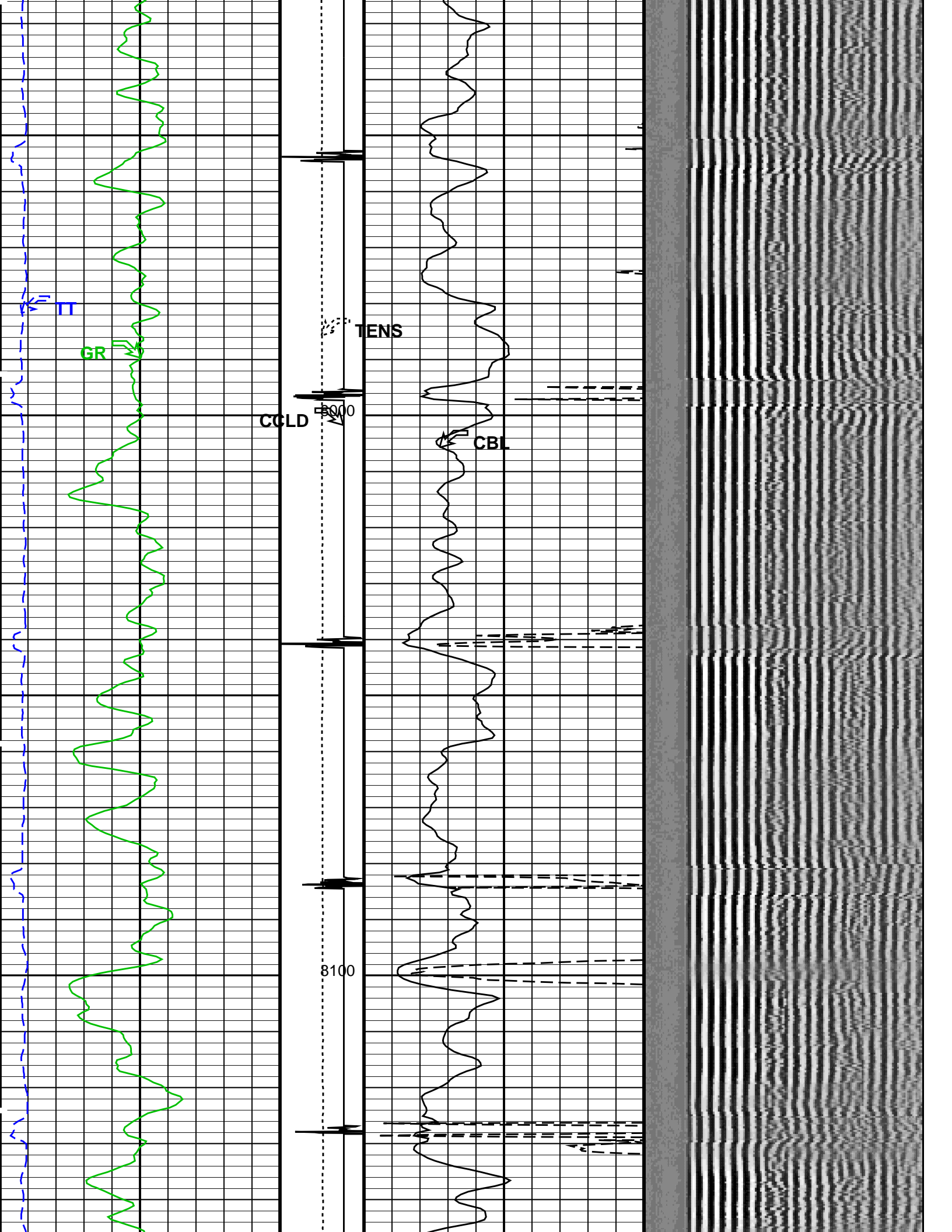


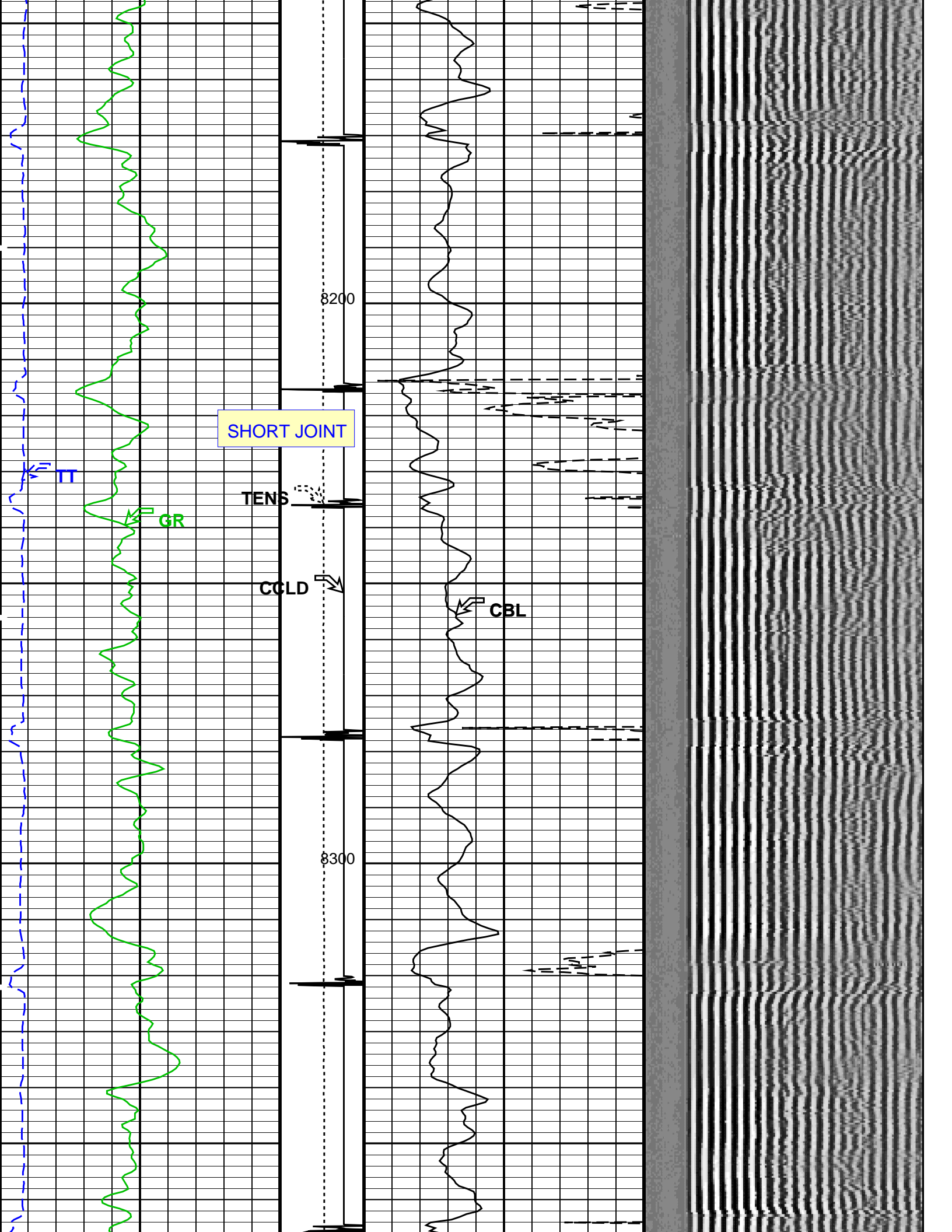


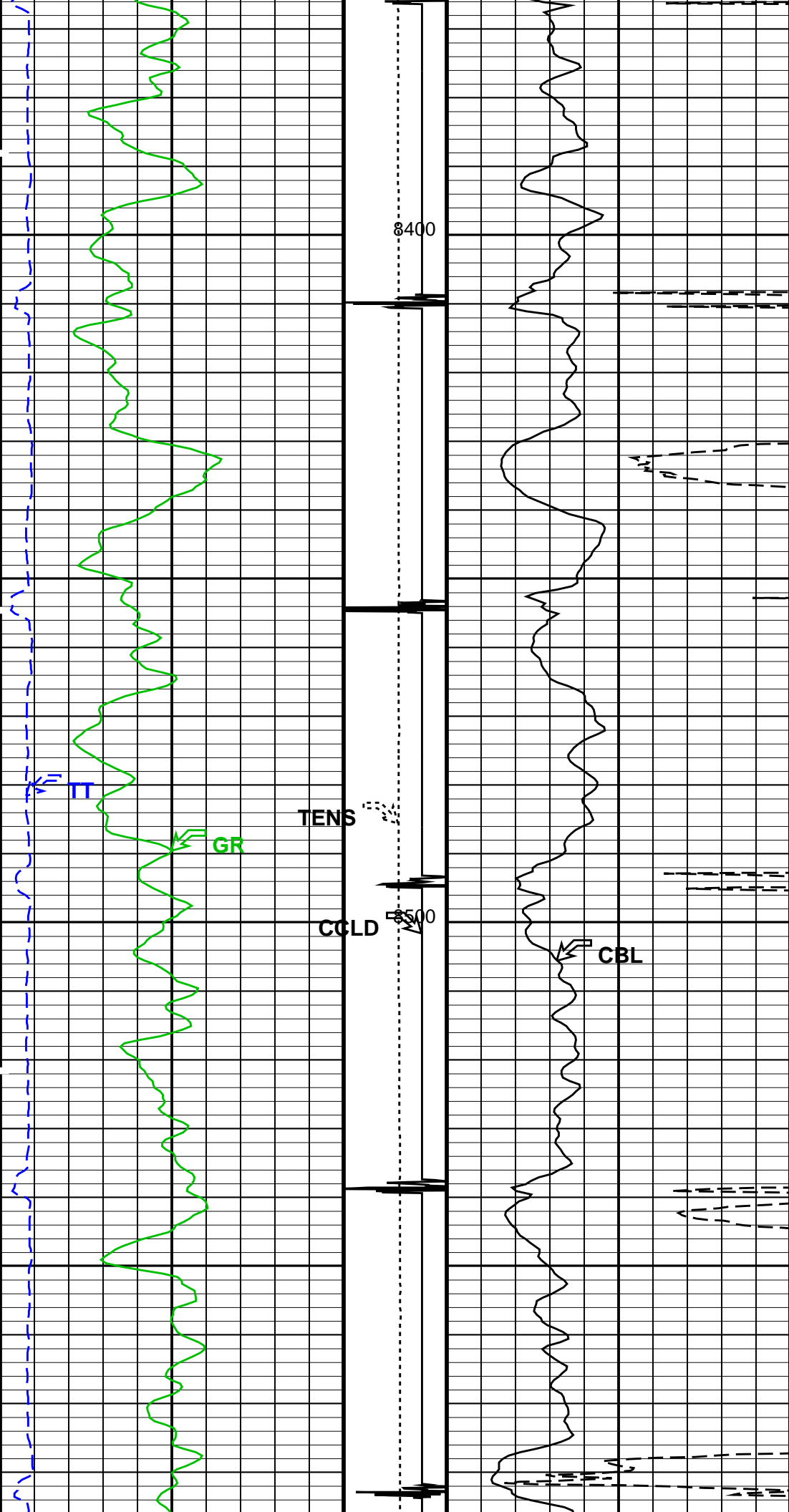


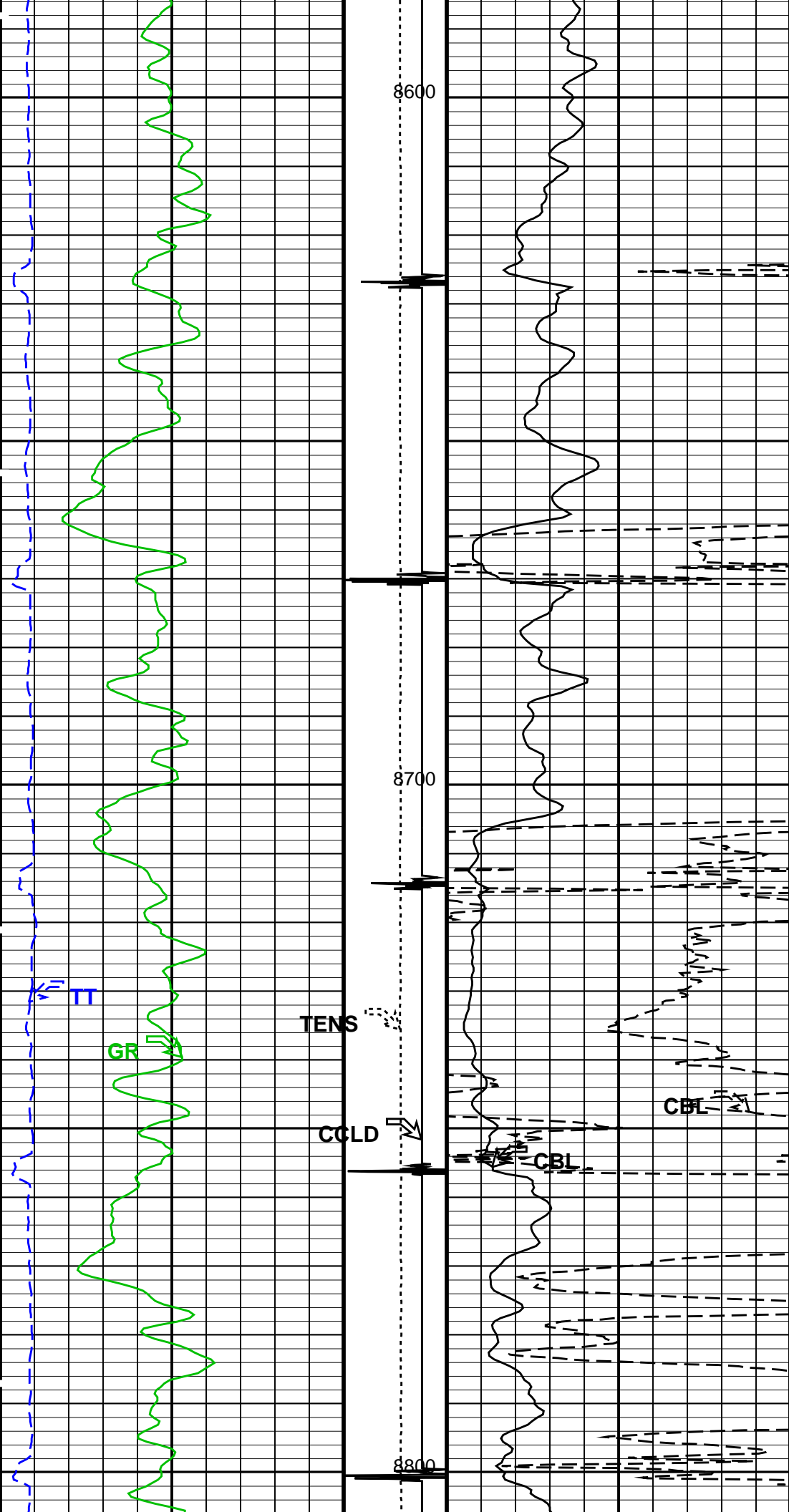


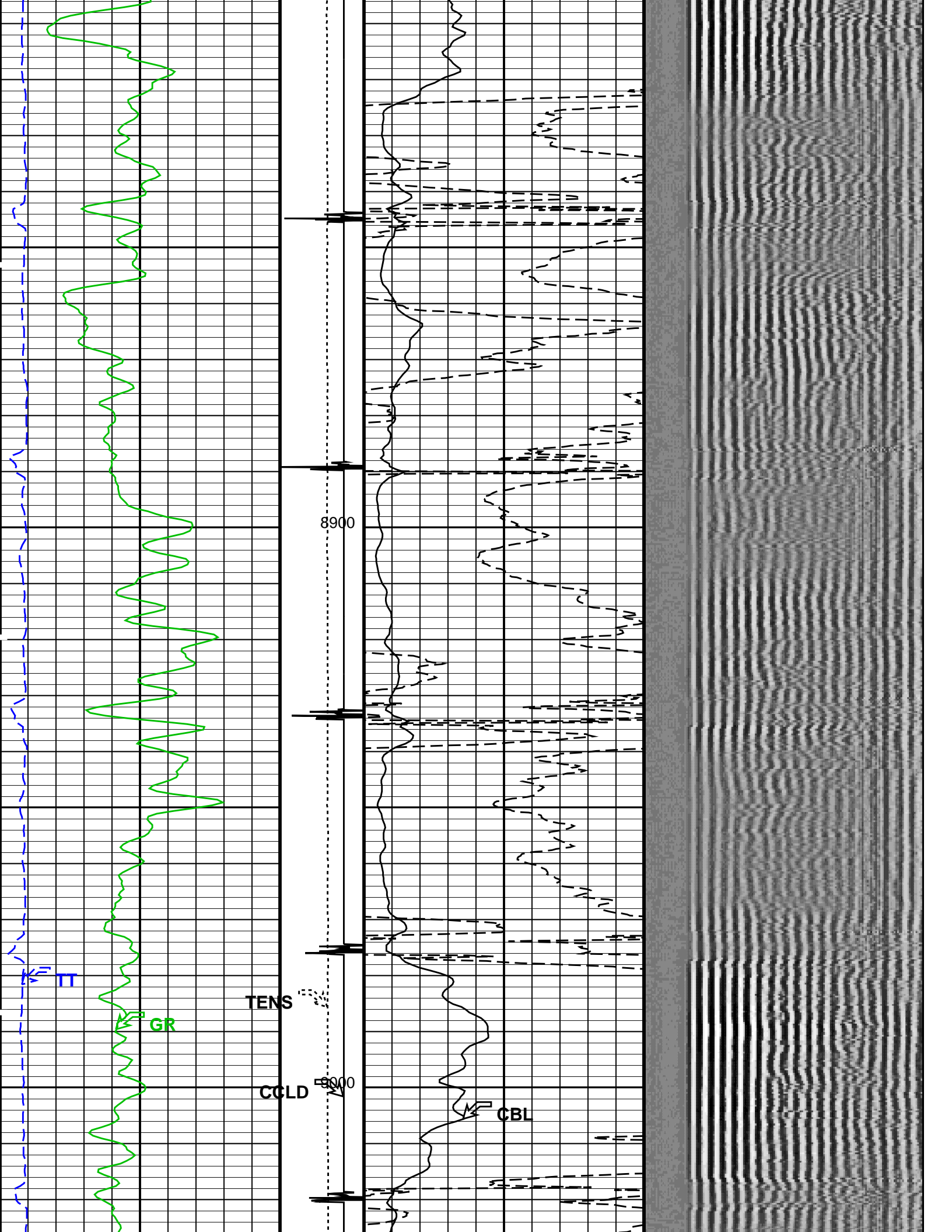


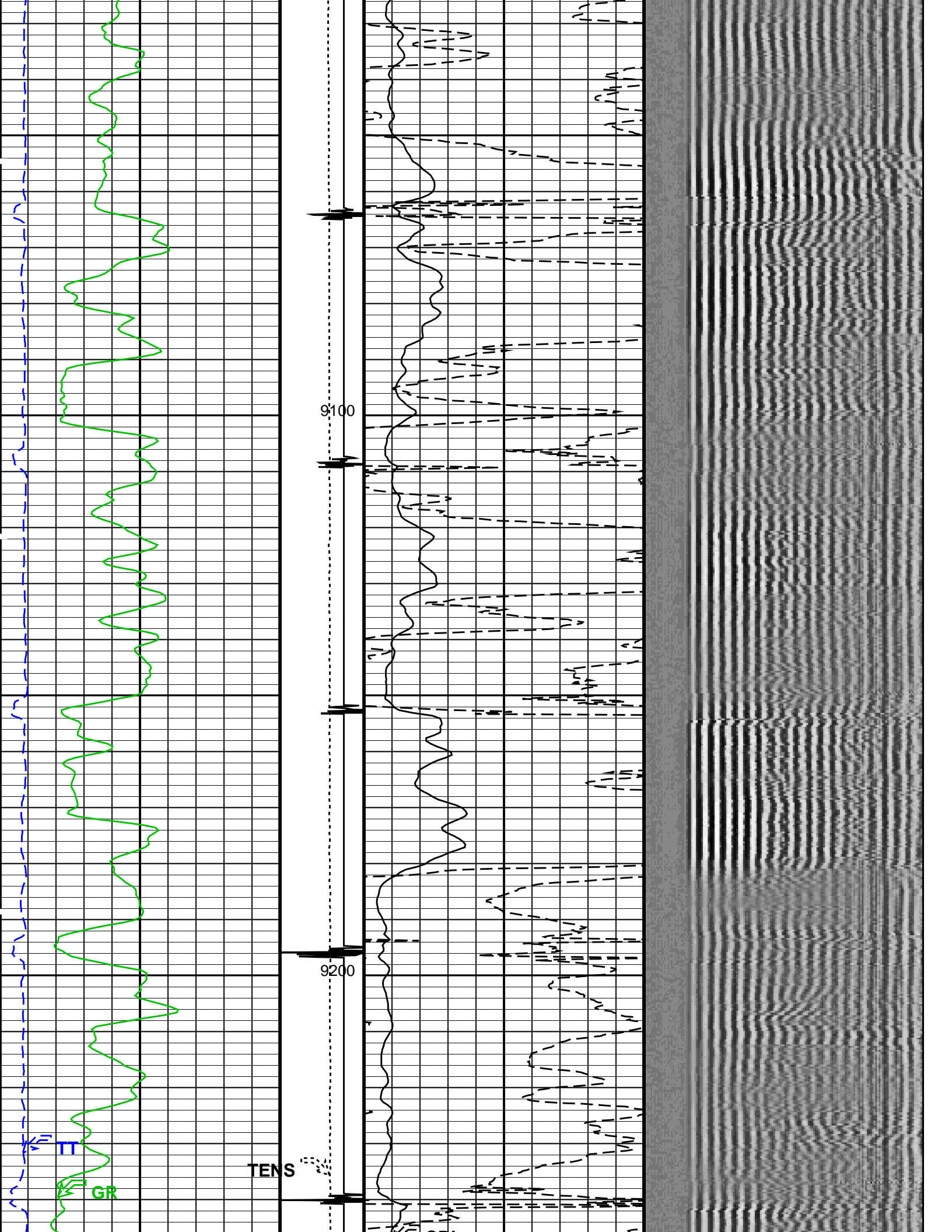


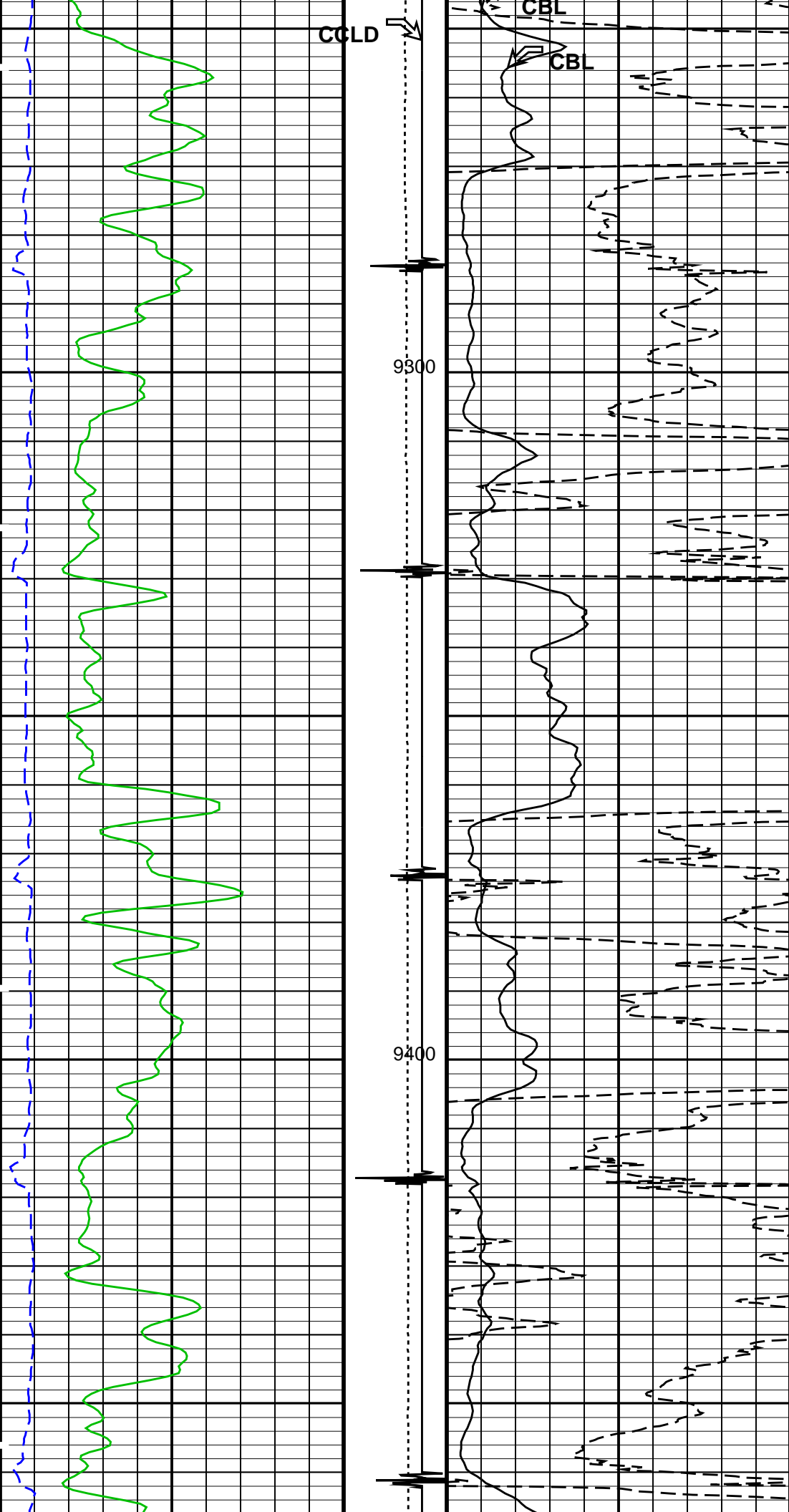


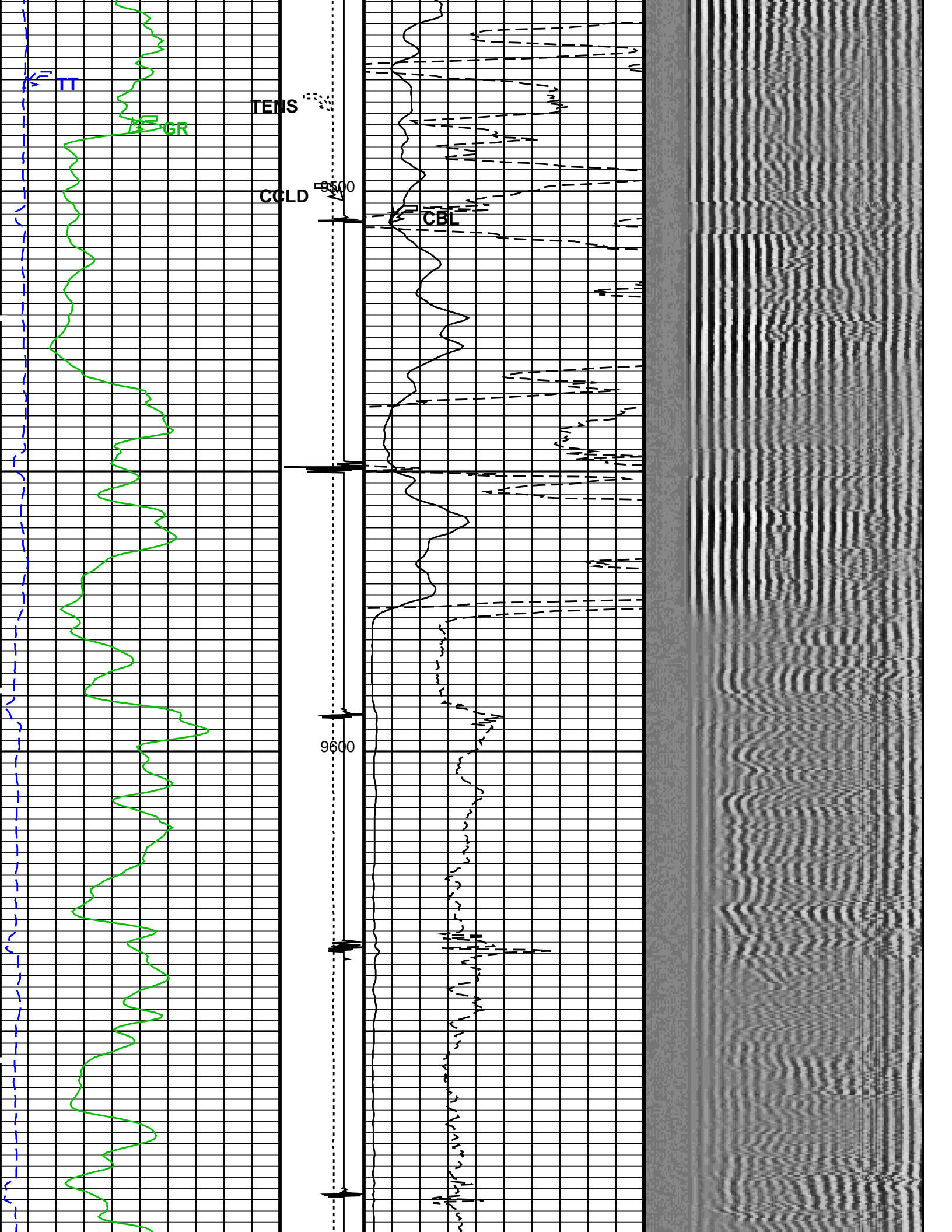


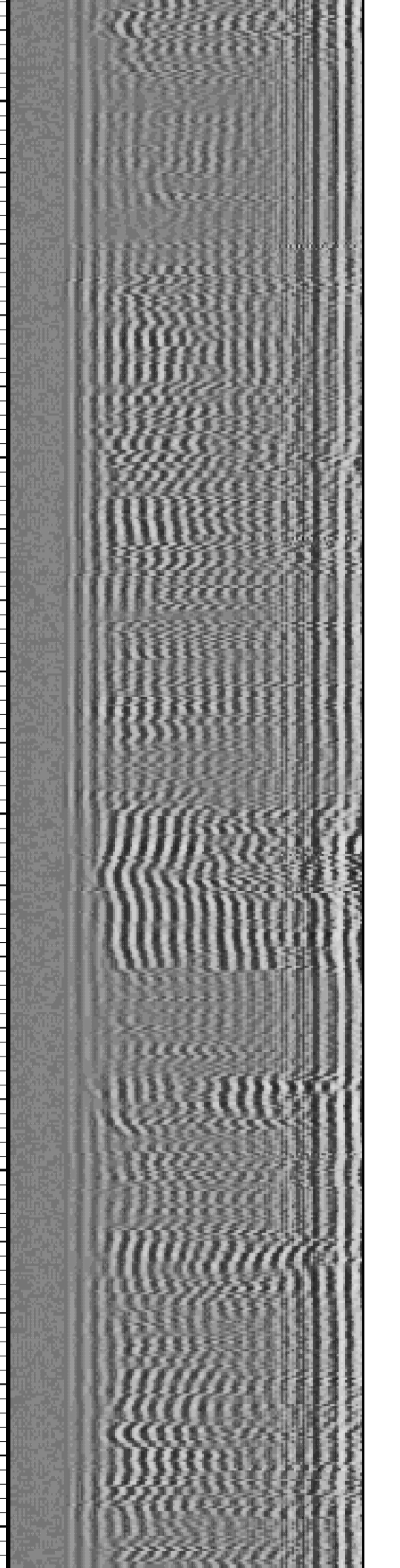
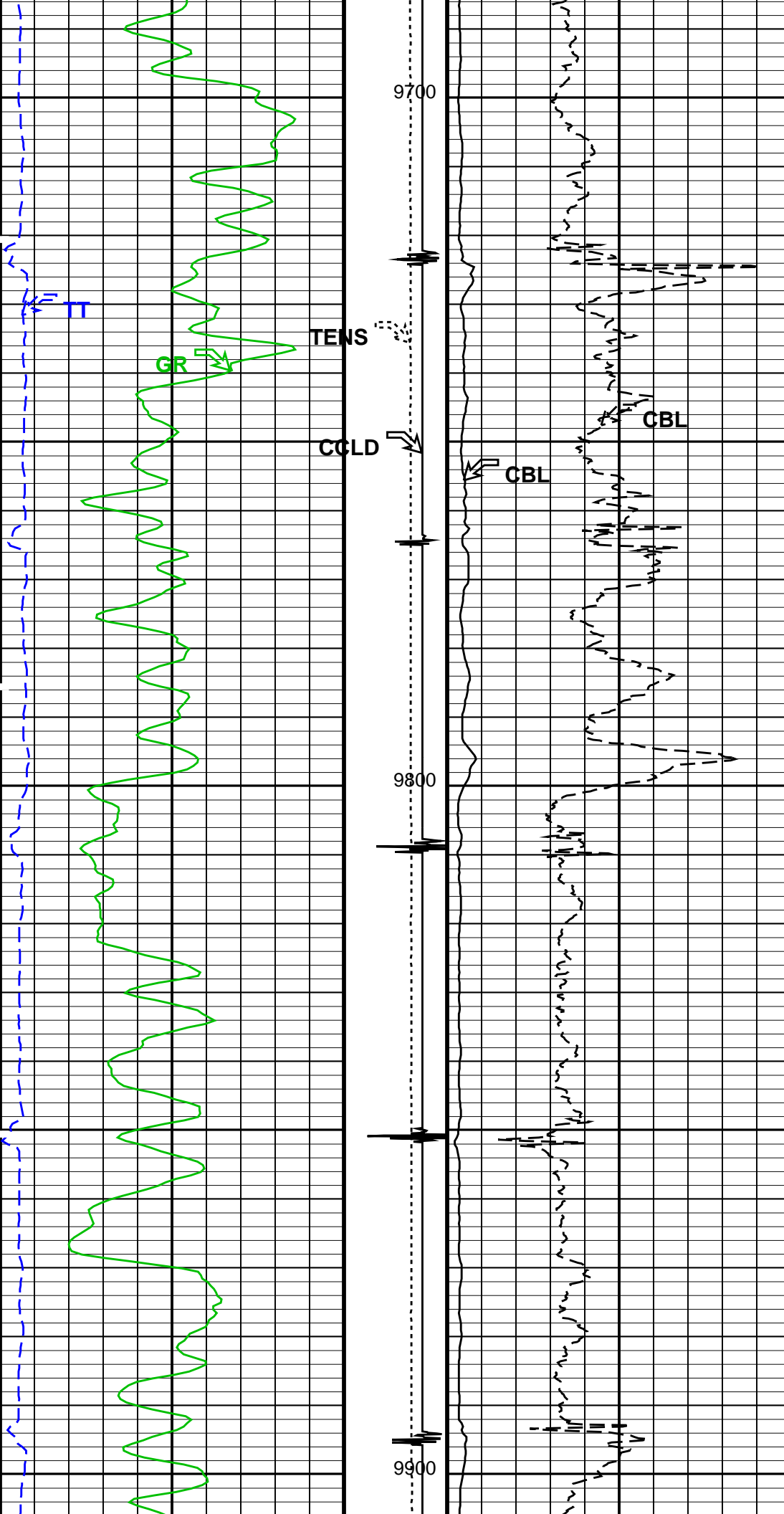


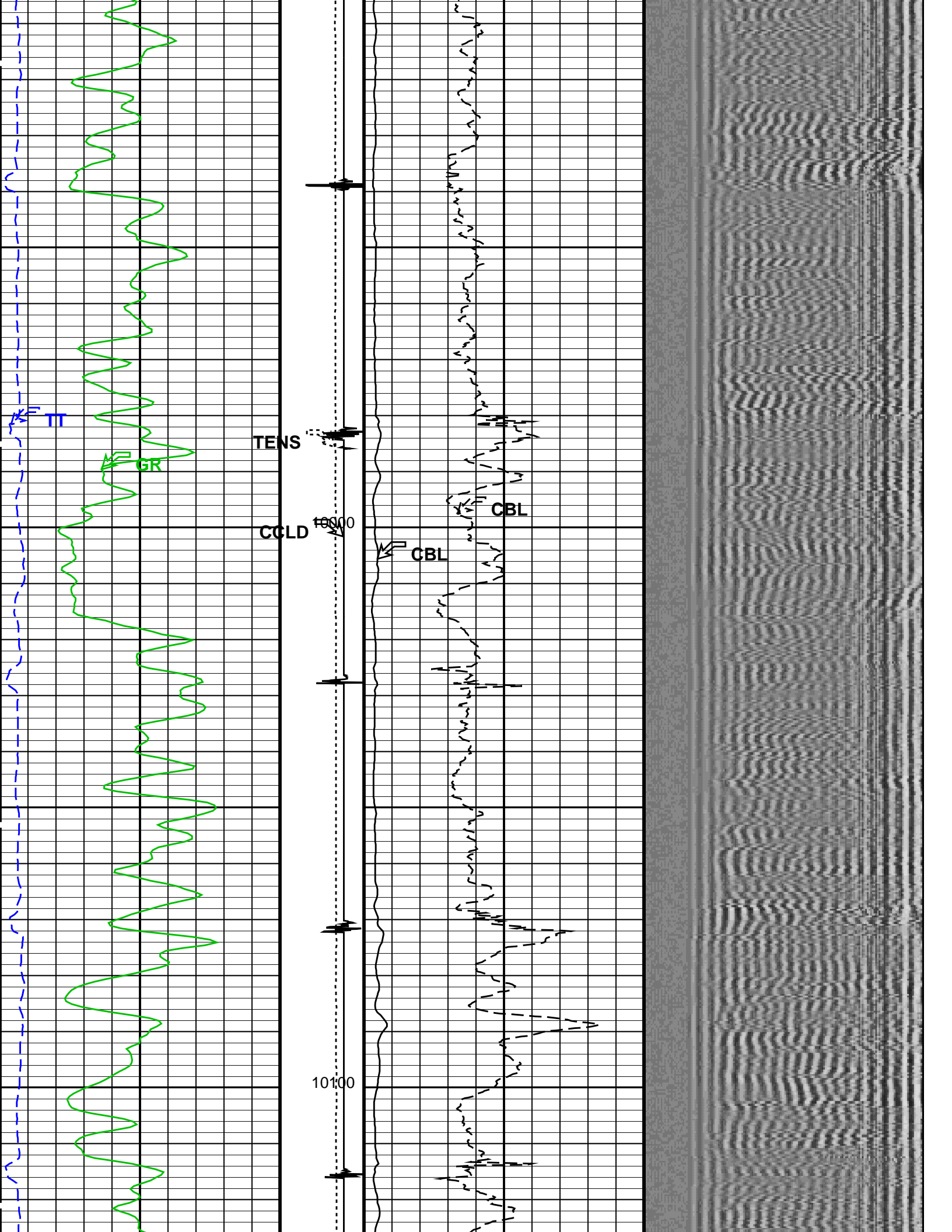


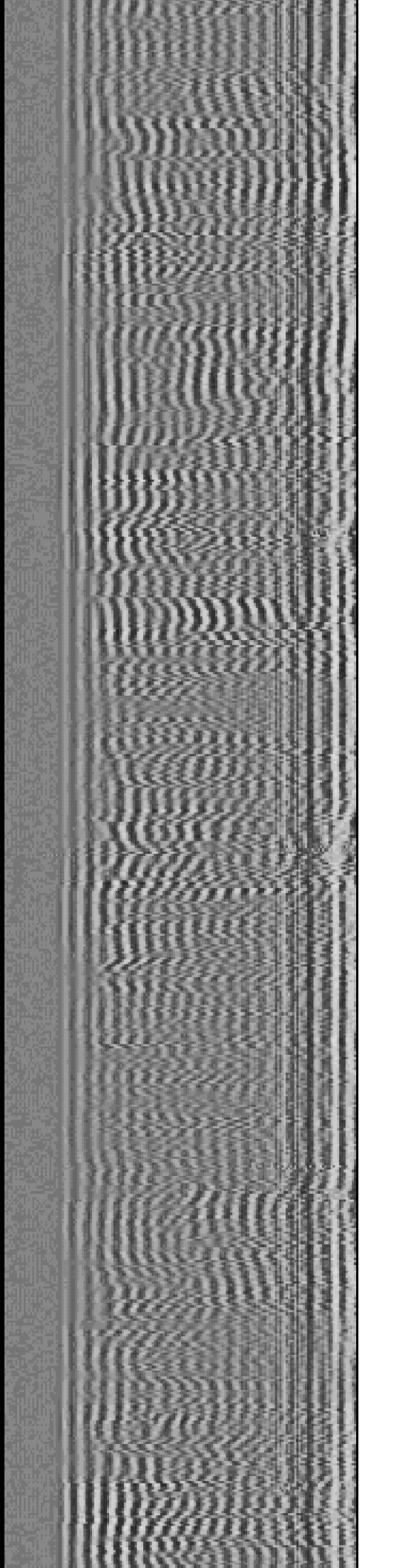
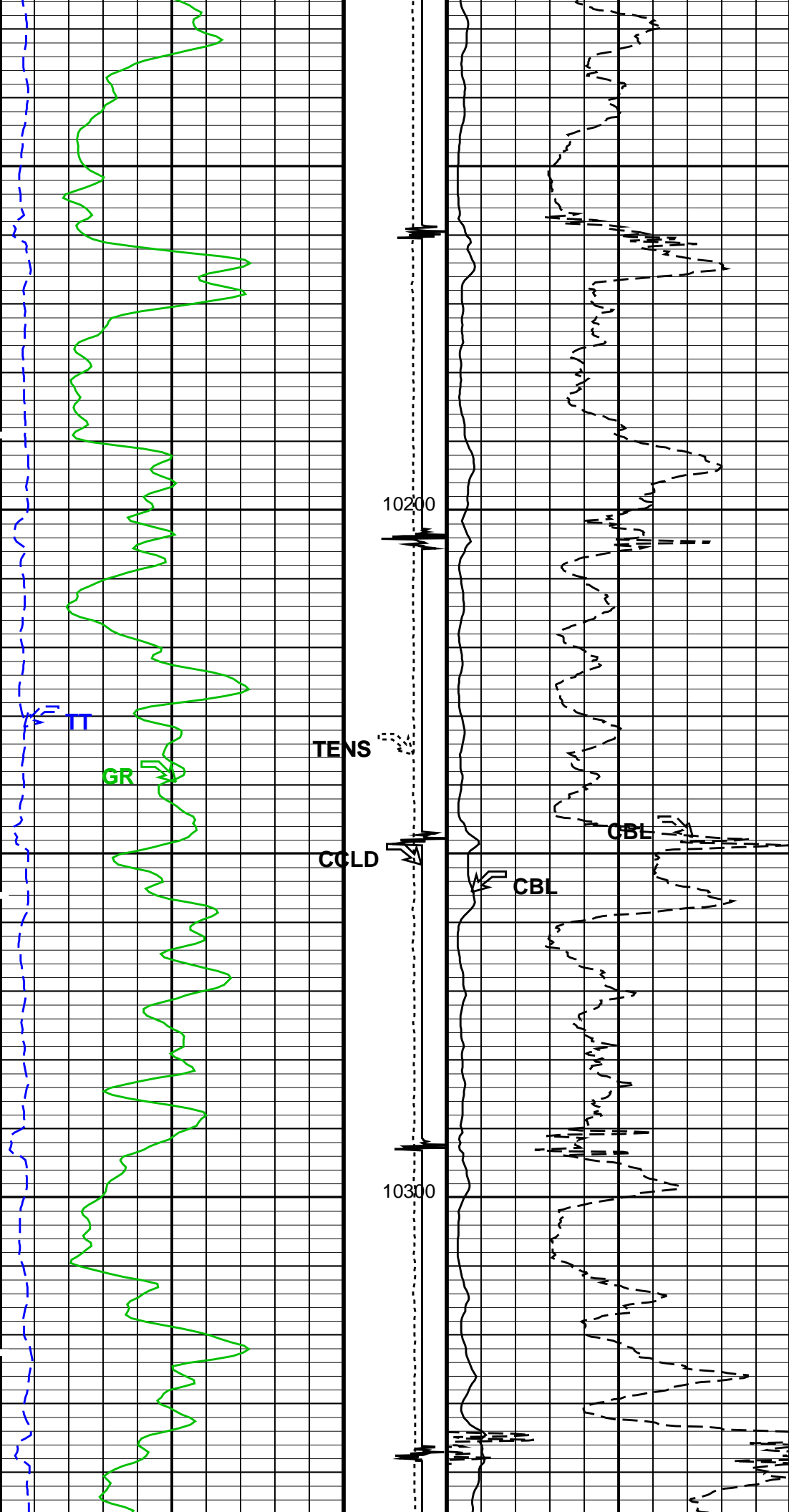


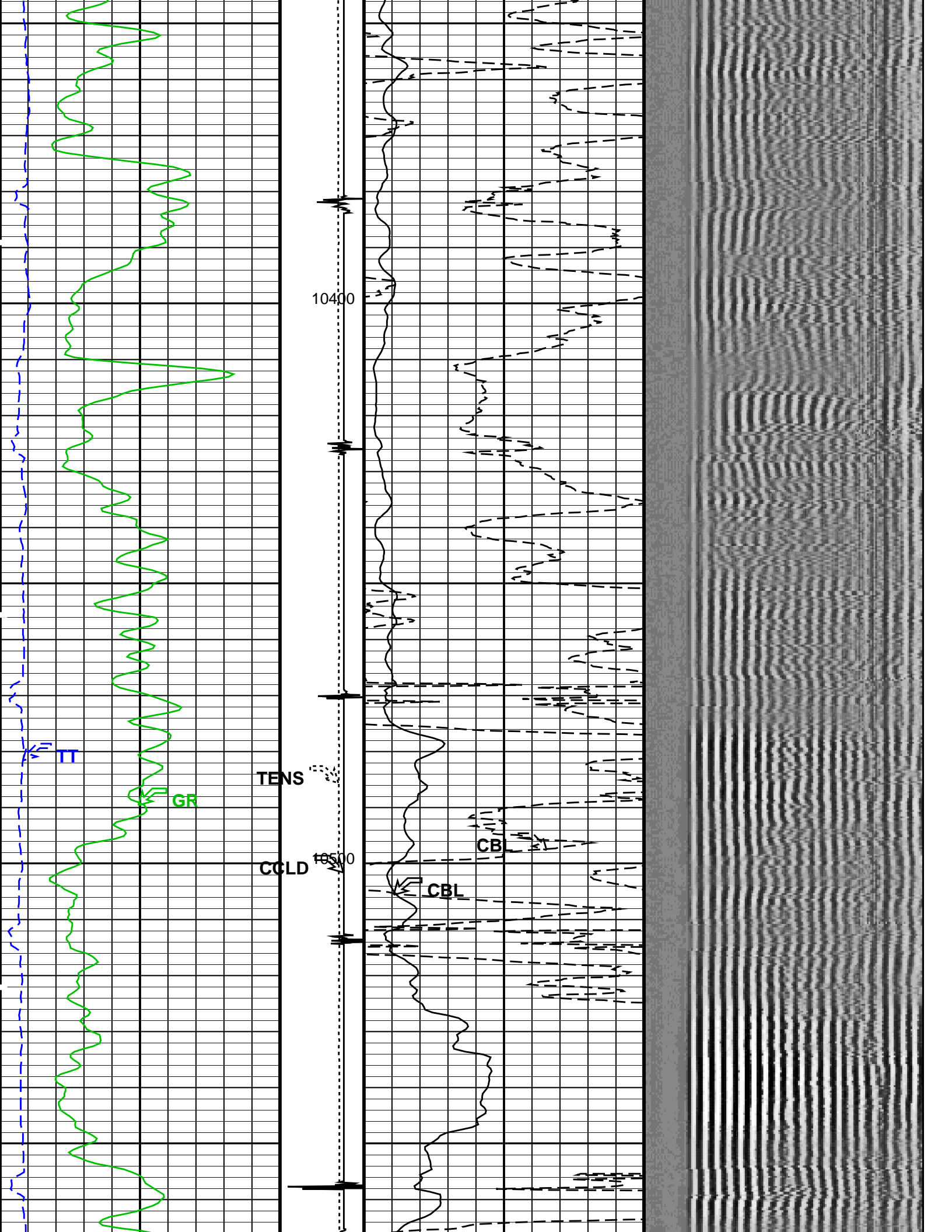


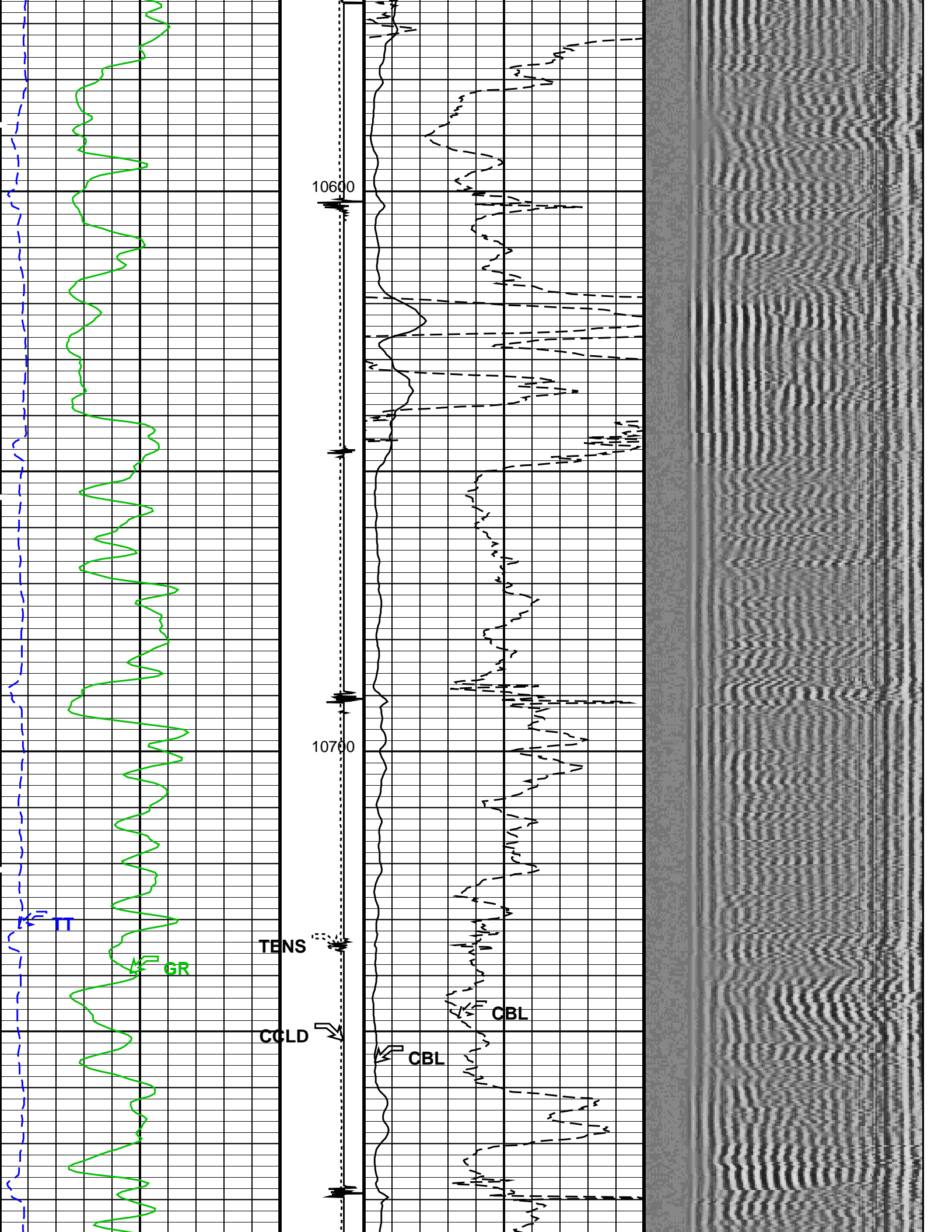


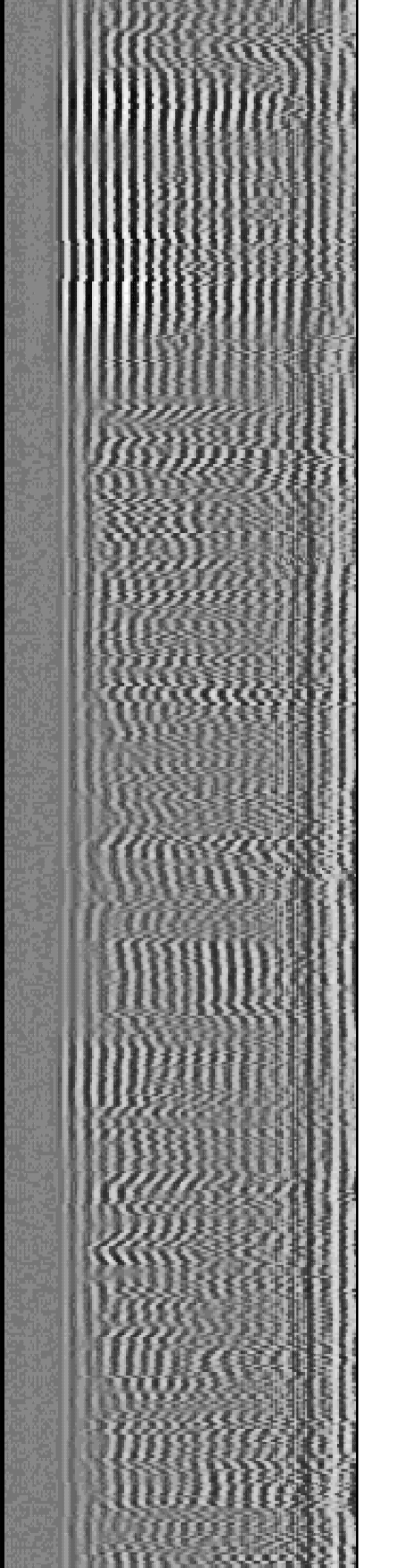
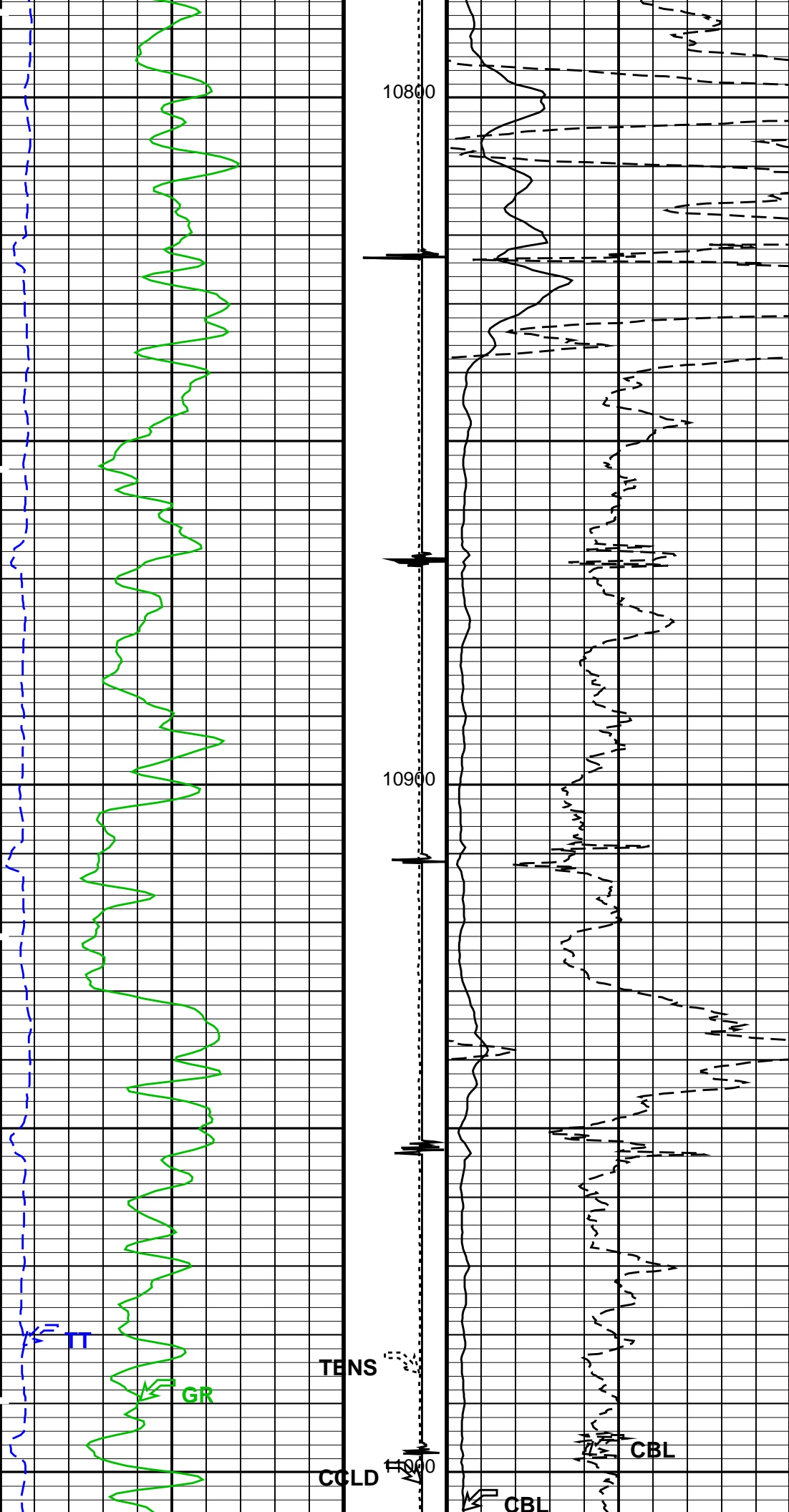


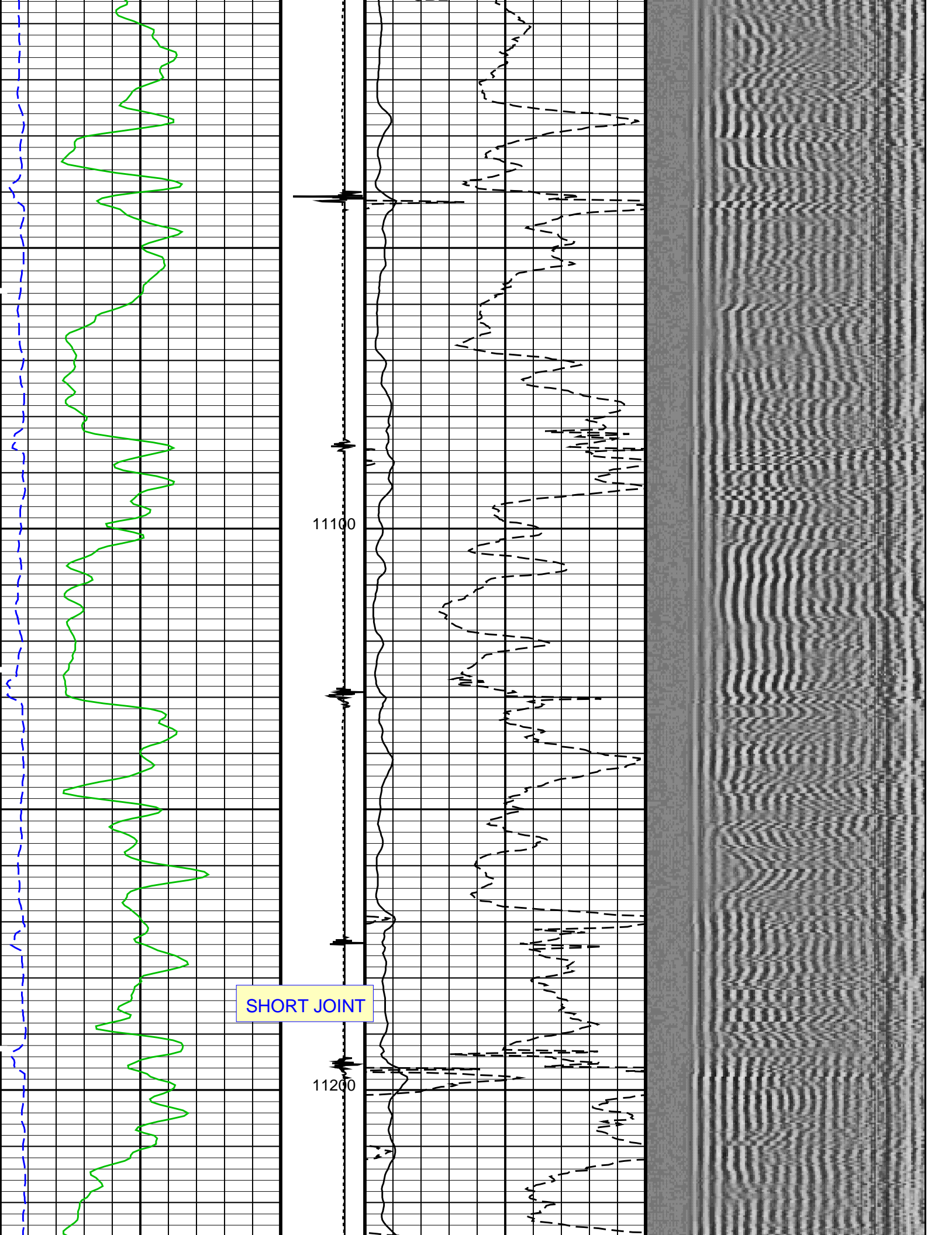


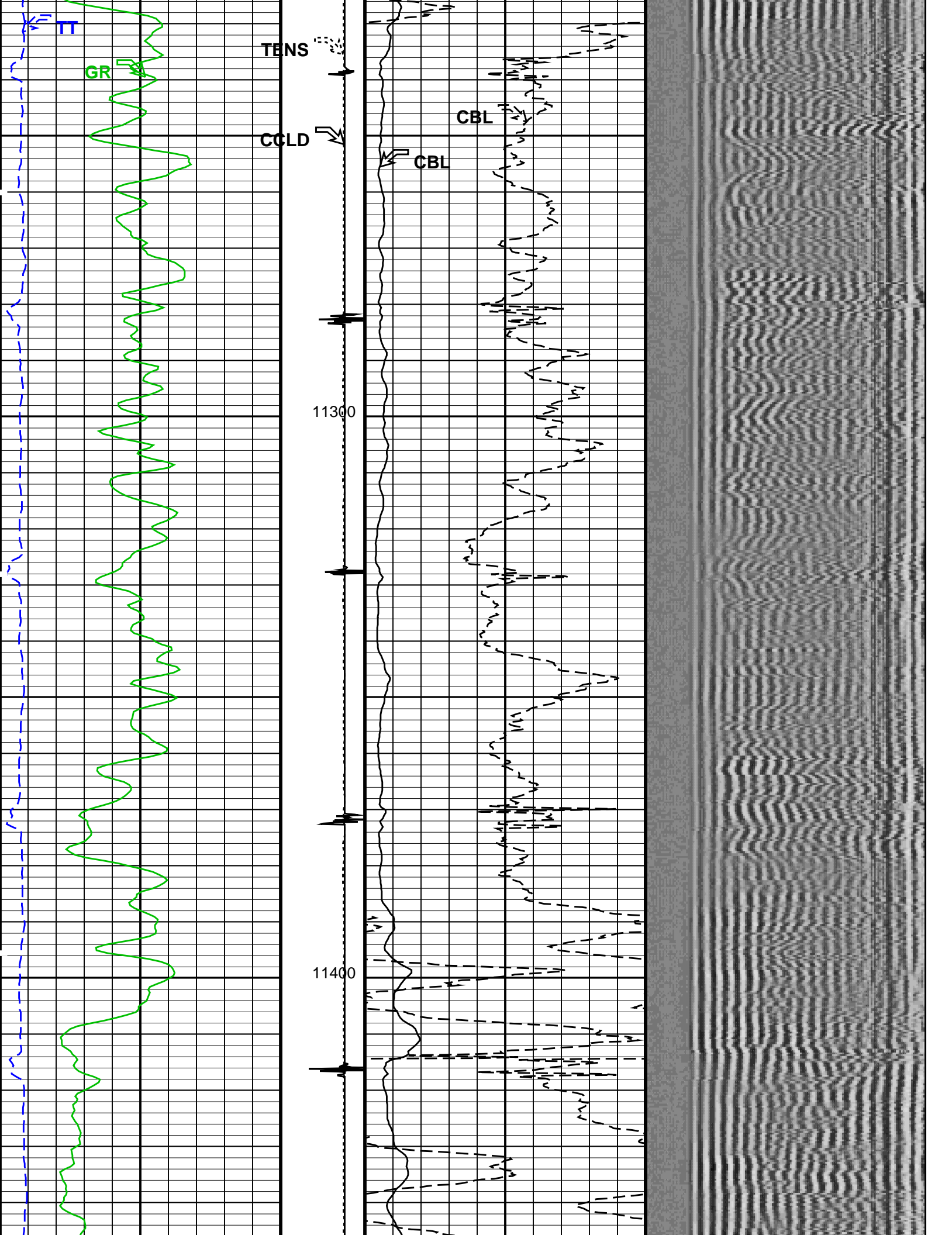


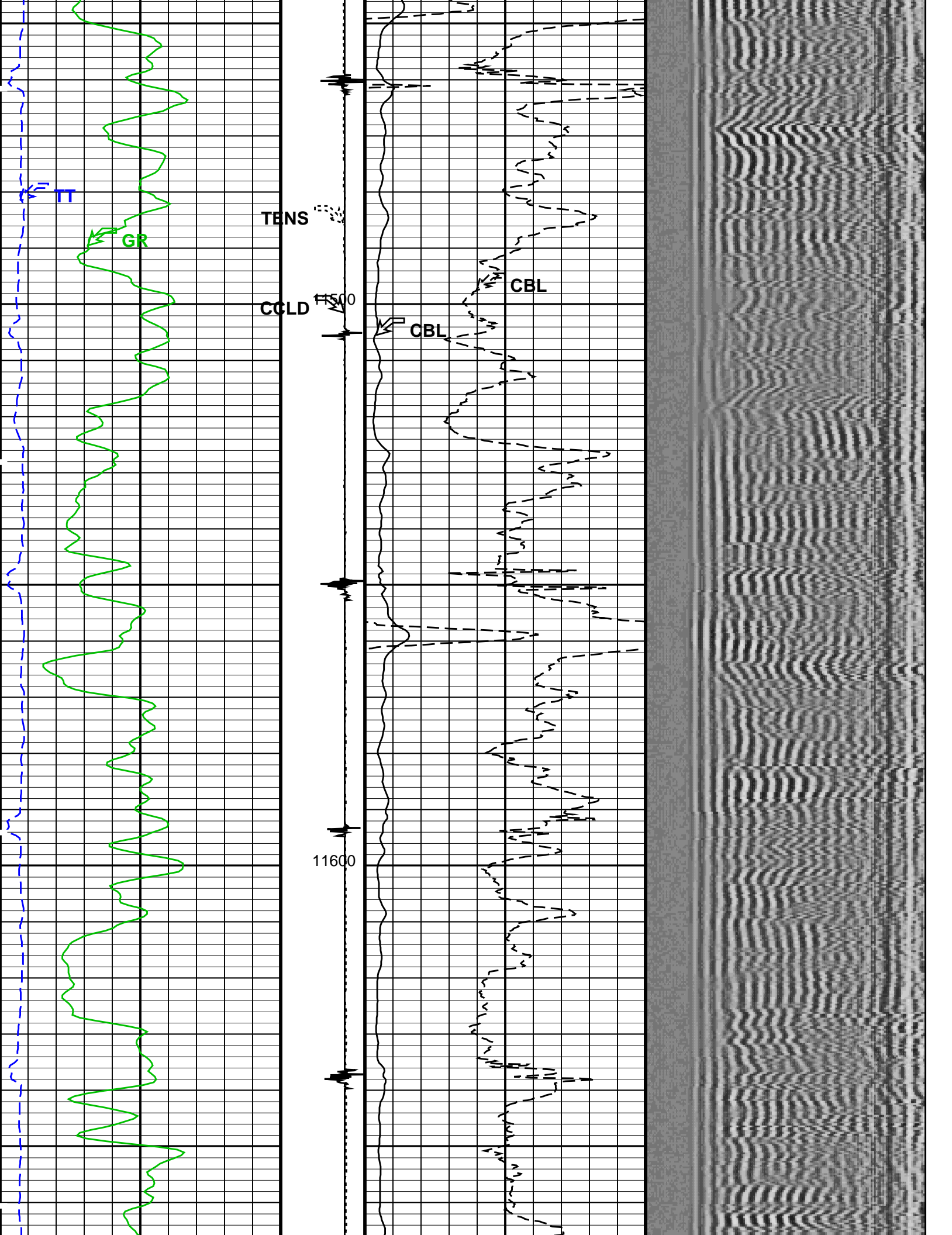


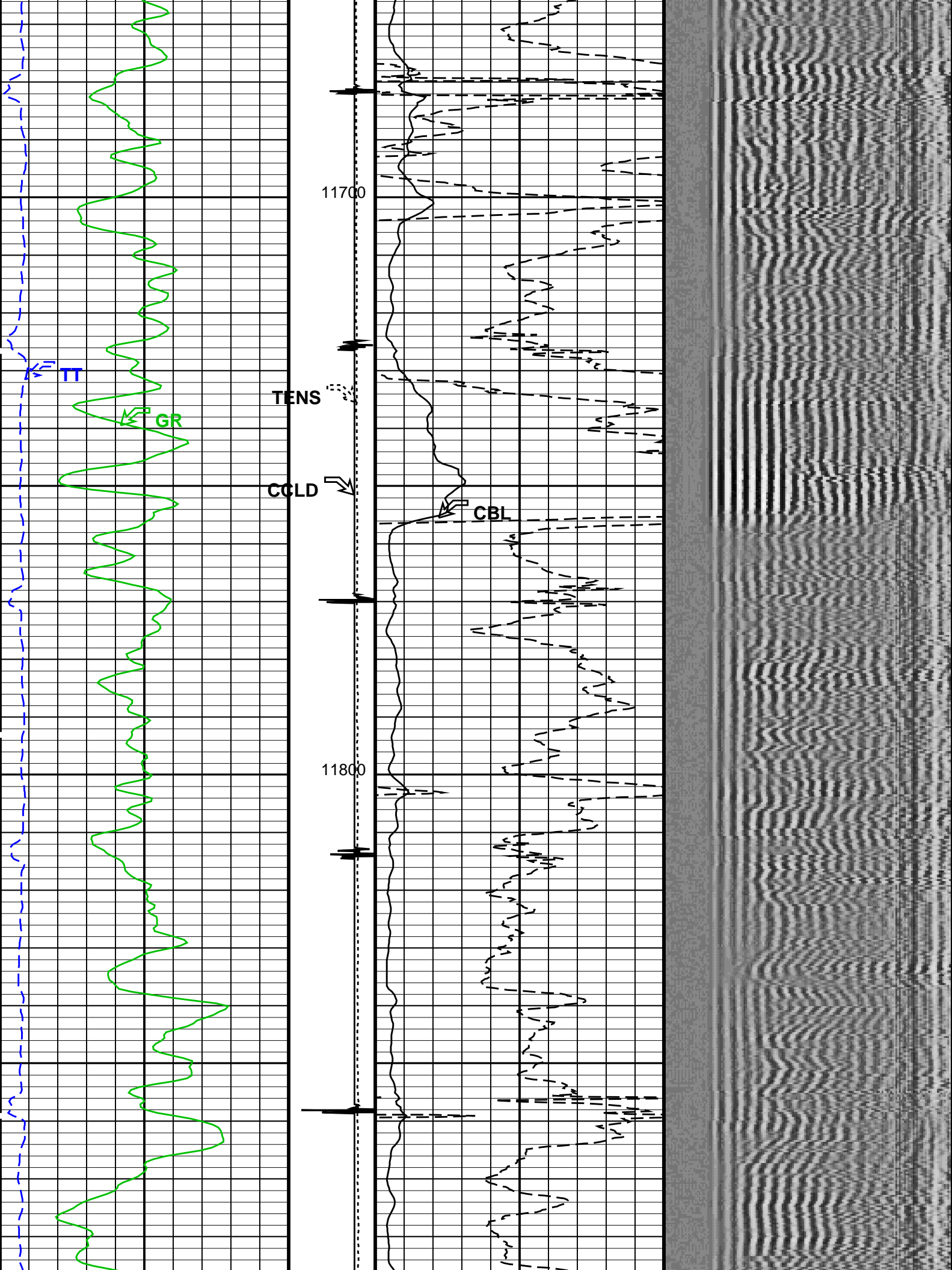


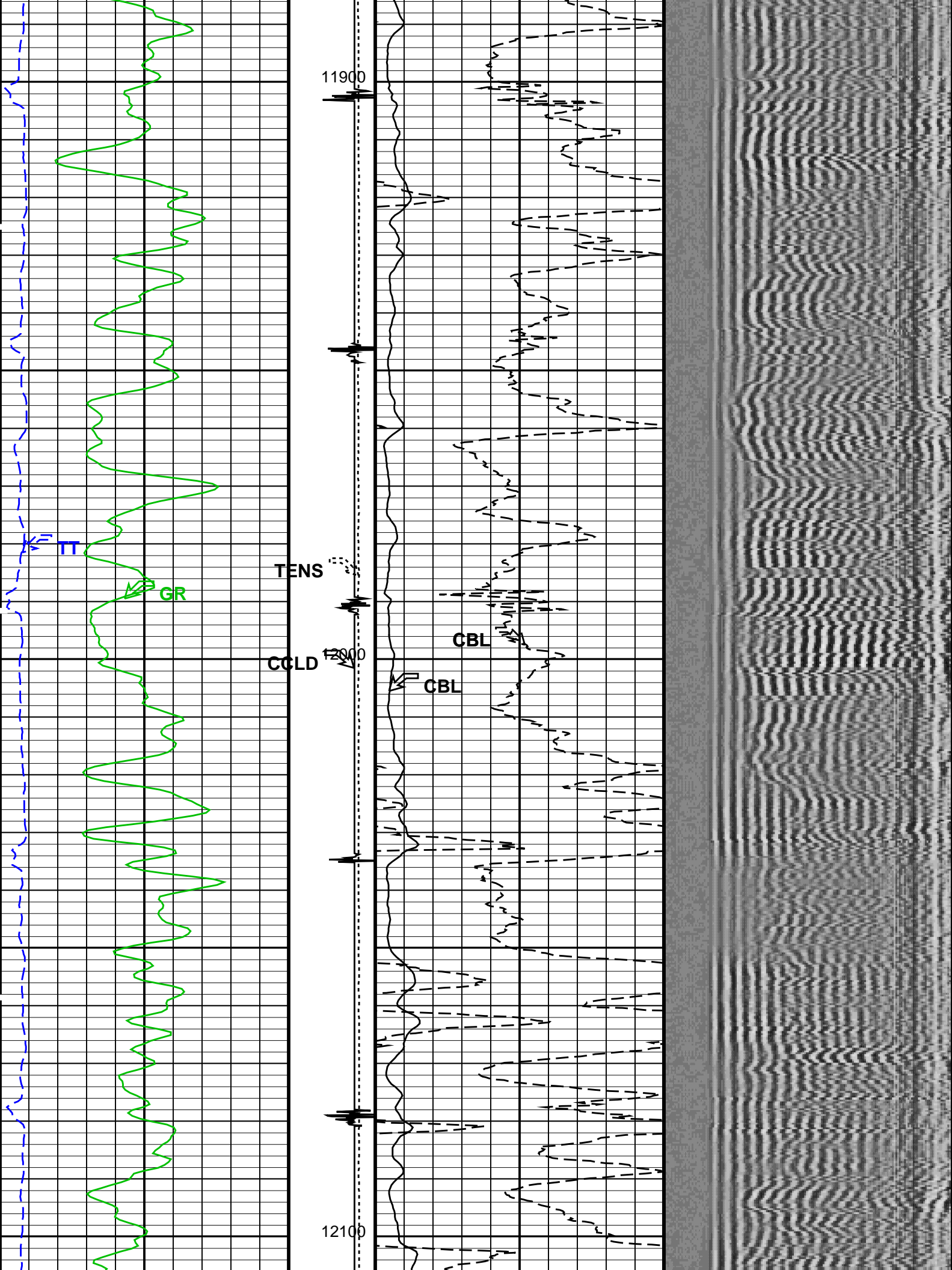


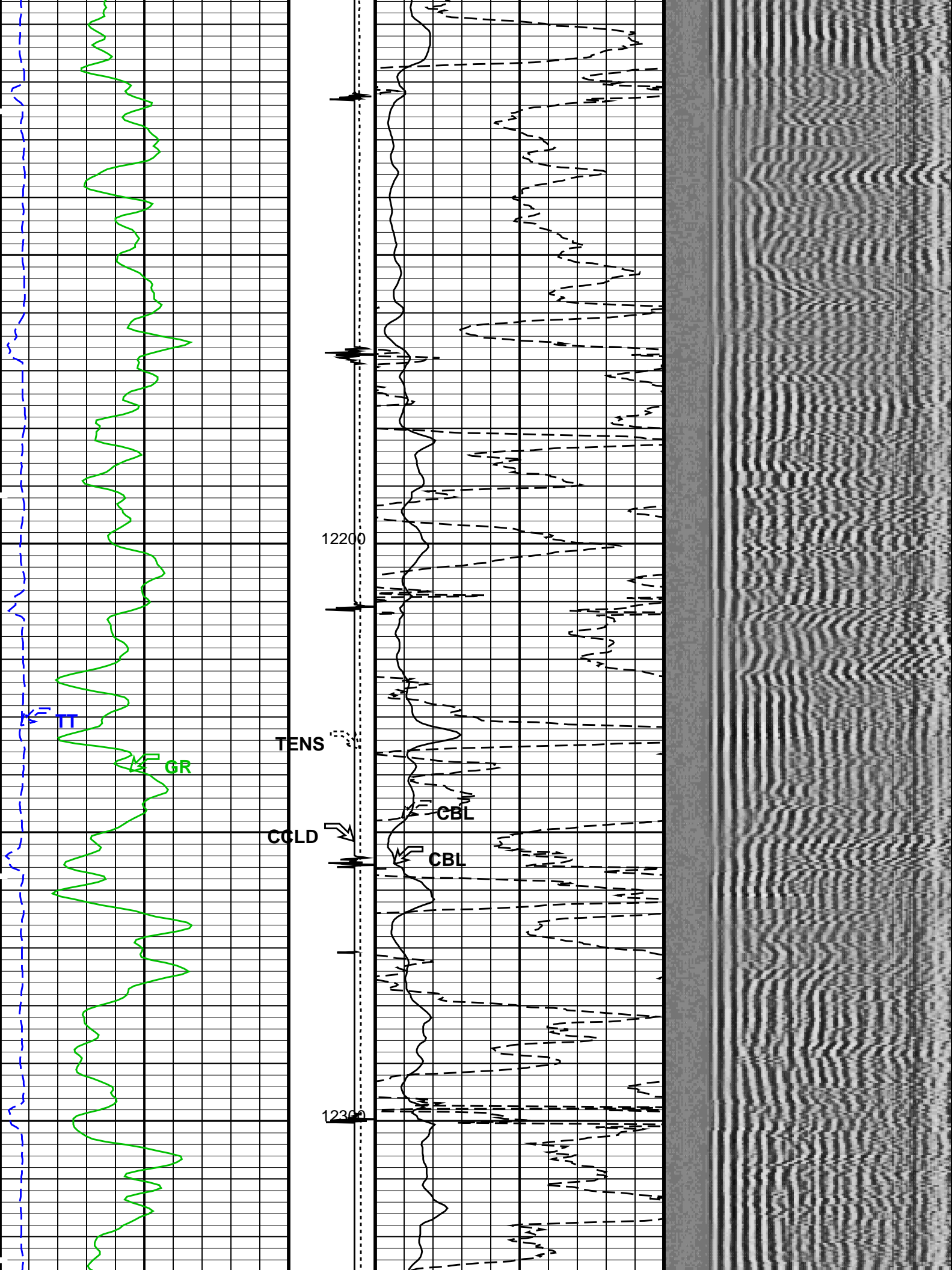


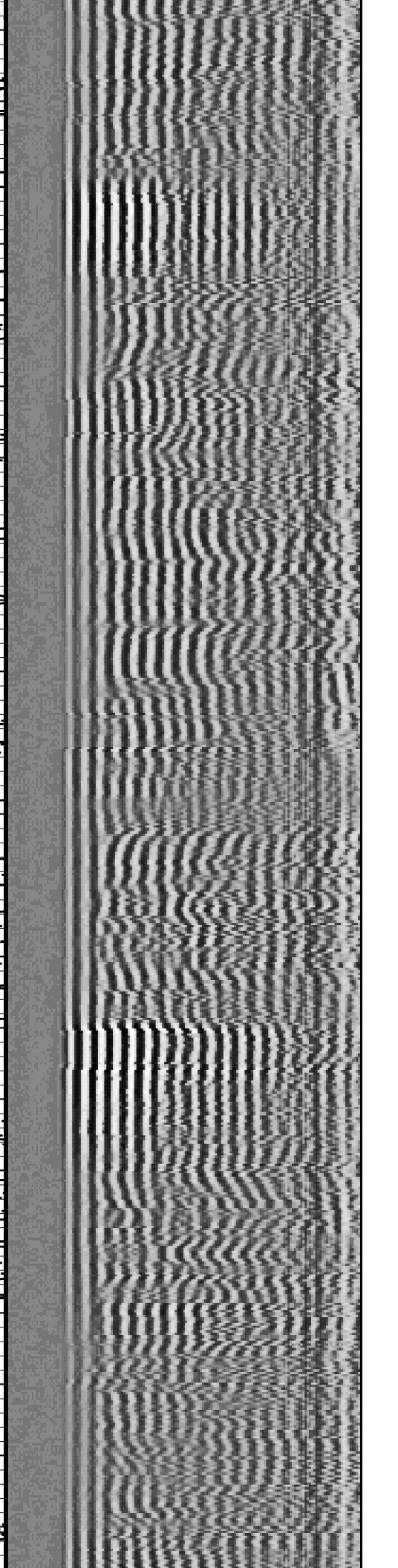
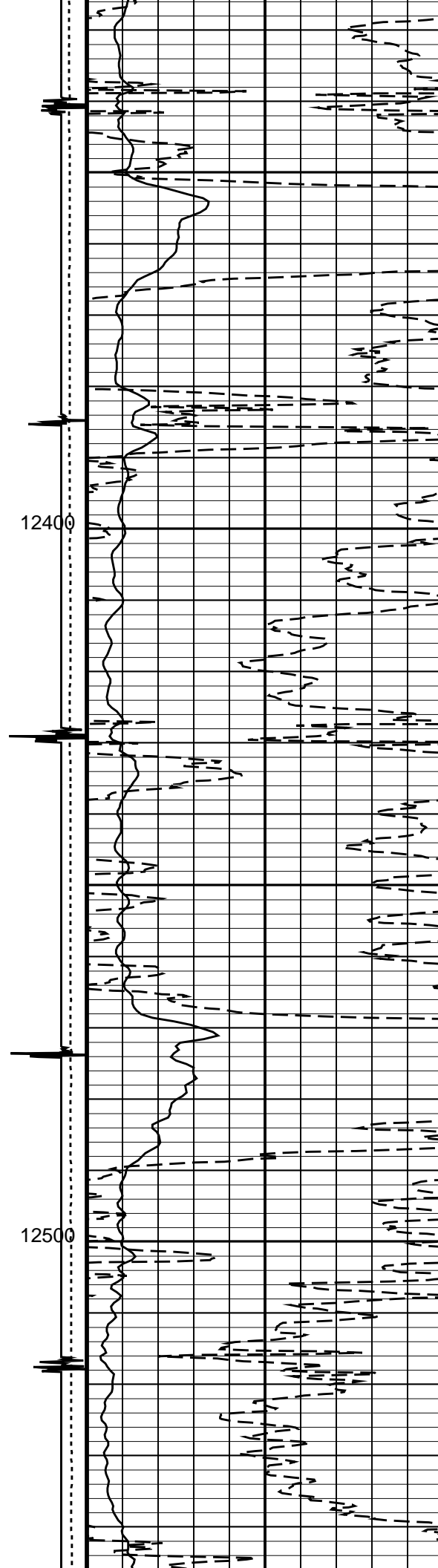
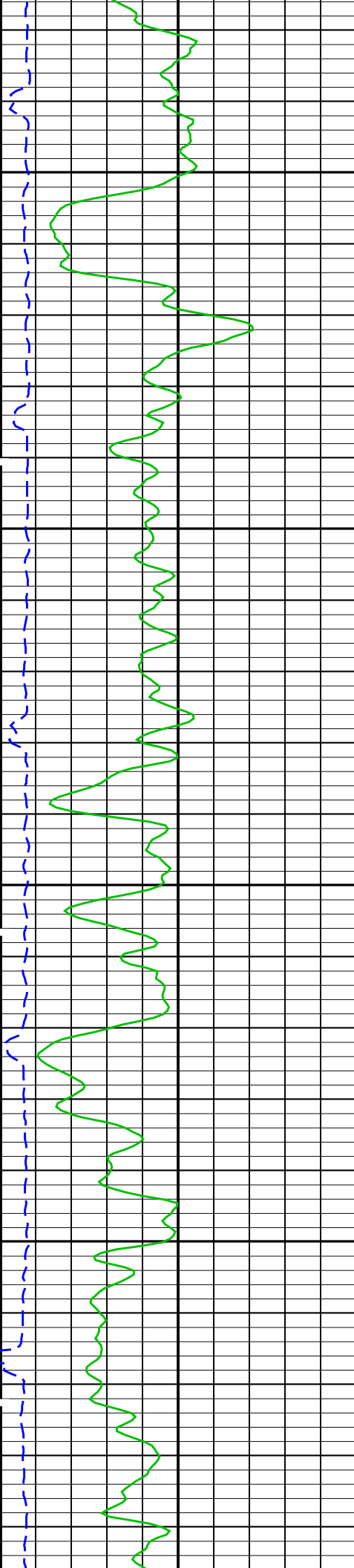


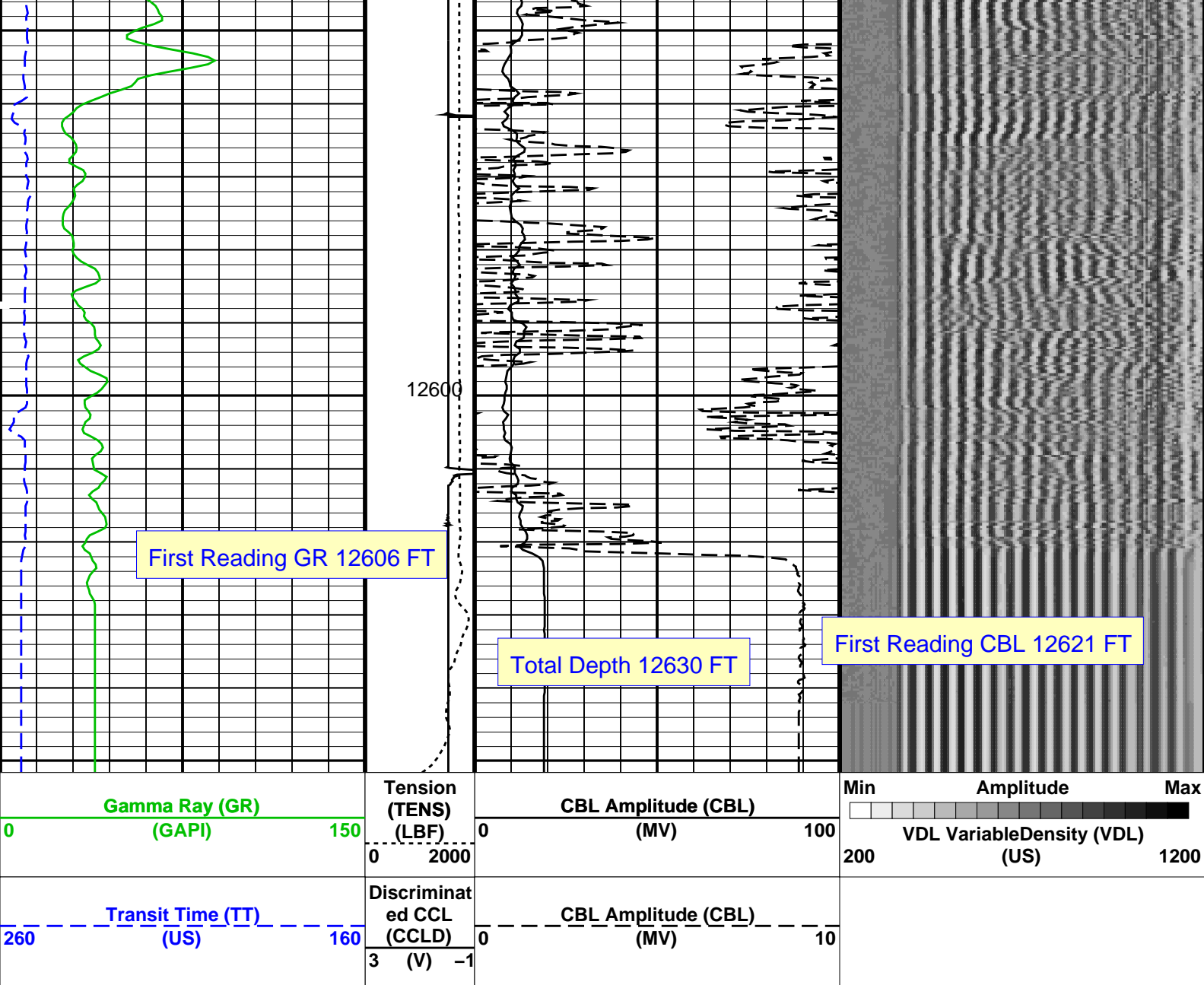












PIP SUMMARY

Time Mark Every 60 S

Format: CBL_VDL Vertical Scale: 5" per 100'

Graphics File Created: 02-Jul-2013 23:25

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 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) 0.700000

MAP Correction Factor 0.10244

MAP Adjustment Factor (MAAF) 1.0

MAP 1 Correction Factor	0.136845
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

MAP Adjustment Factor (MPAF) 1.0

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	7.0	FT
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	12630	FT

Input DLIS Files

DEFAULT SCMT_PSP_022LUP FN:21 PRODUCER 02-Jul-2013 20:13 12644.5 FT 18.0 FT

Output DLIS Files

DEFAULT SCMT_PSP_024PUP FN:23 PRODUCER 02-Jul-2013 23:25

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REPEAT ANALYSIS CBL VDL

MAXIS Field Log

Input DLIS Files

DEFAULT	SCMT_PSP_020LUP	FN:19	PRODUCER	02-Jul-2013 19:51	8333.0 FT	8058.5 FT
DEFAULT	SCMT_PSP_024PUP	FN:23	PRODUCER	02-Jul-2013 23:25	12651.5 FT	3.5 FT

Output DLIS Files

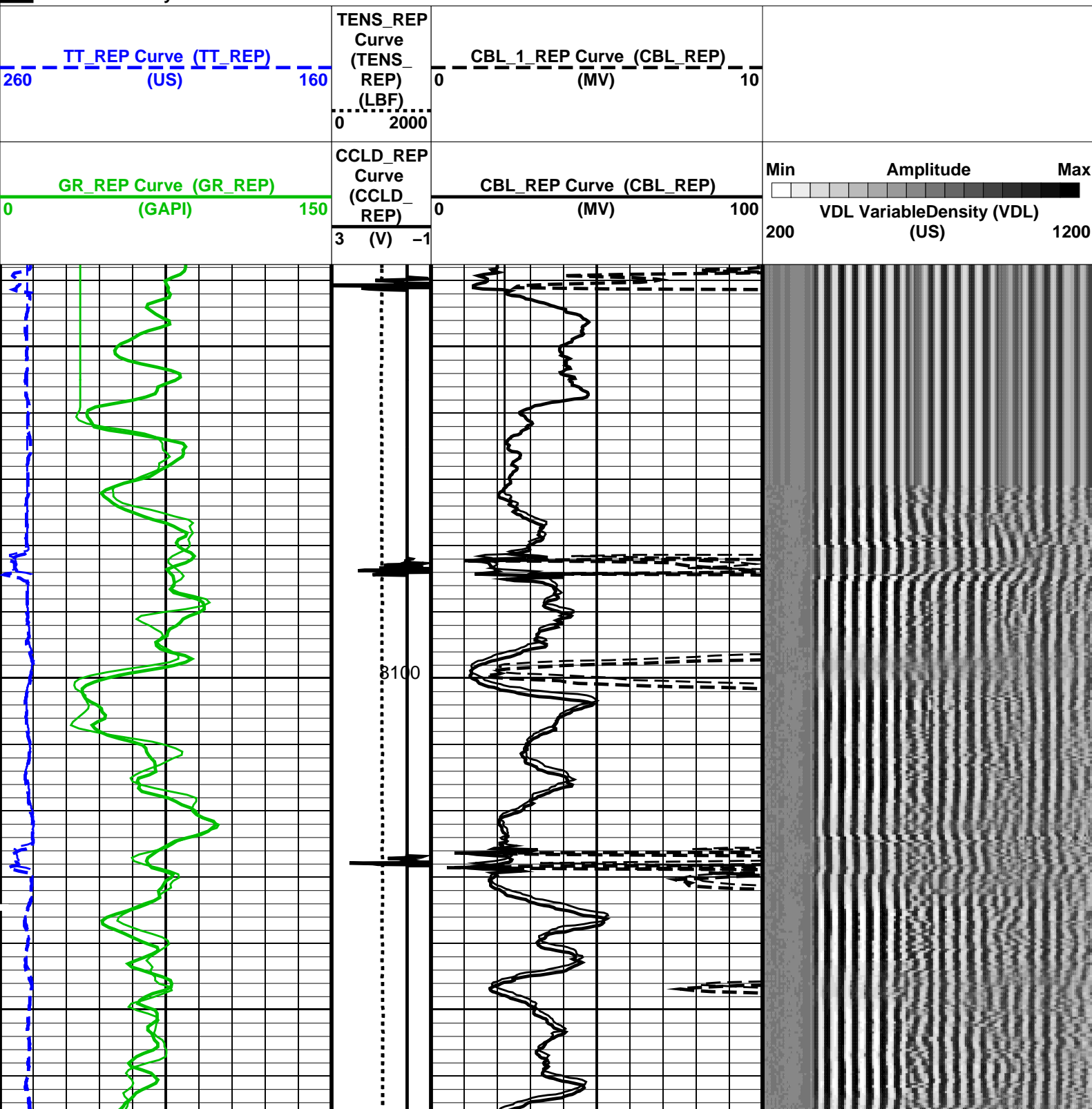
DEFAULT	SCMT_PSP_025PUP	FN:24	PRODUCER	02-Jul-2013 23:37	8333.0 FT	8037.0 FT
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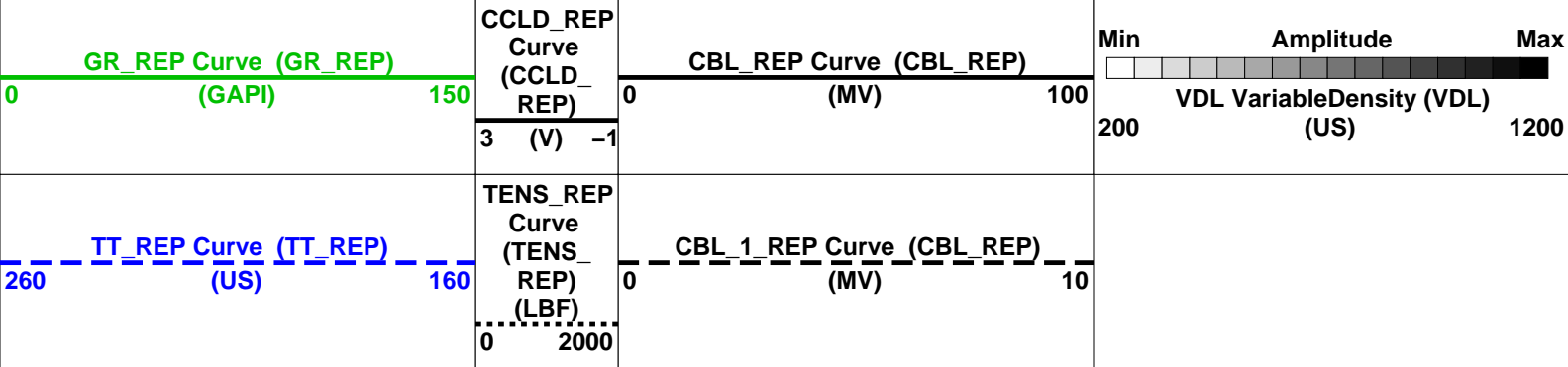
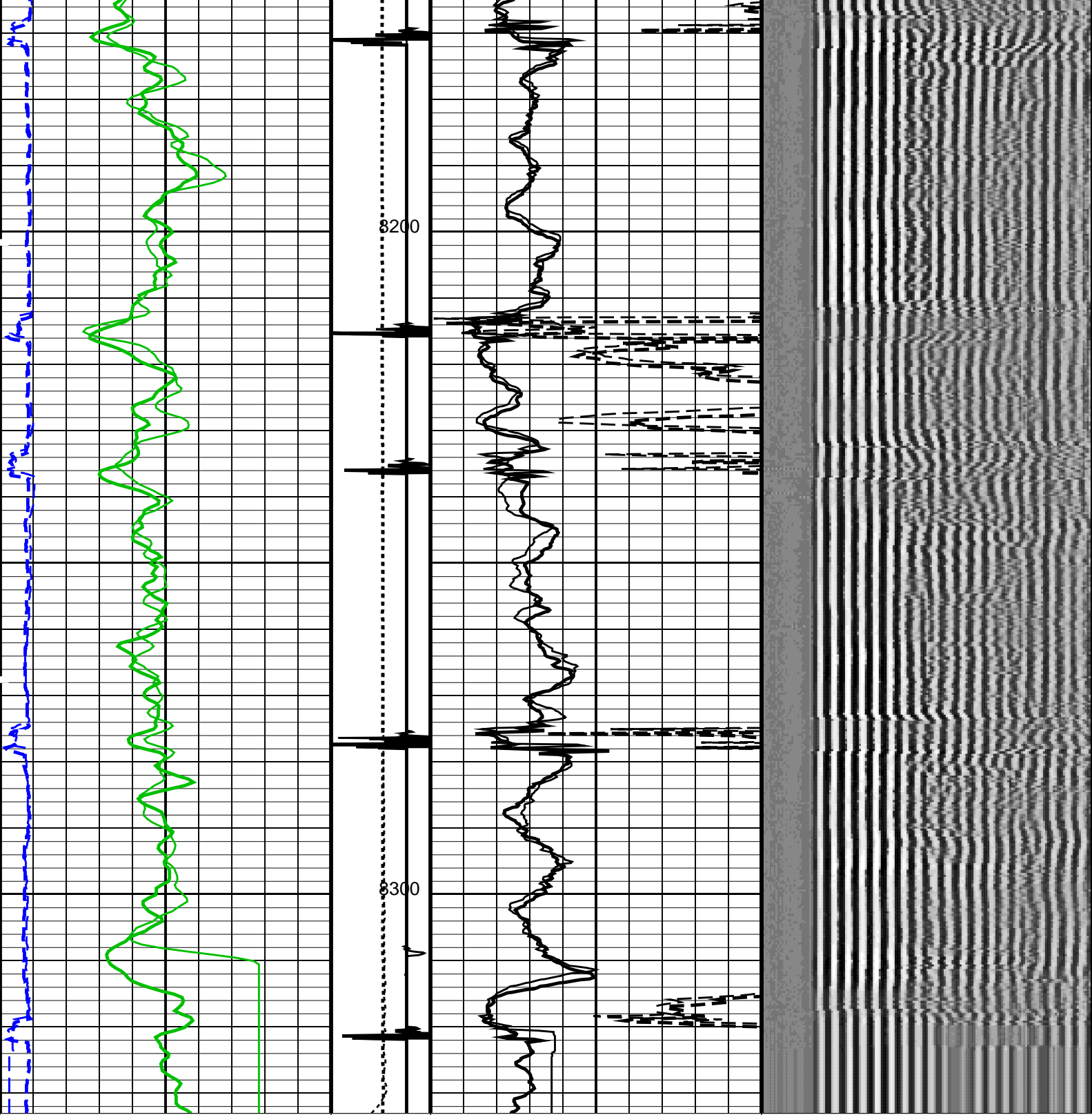
OP System Version: 19C0-187

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

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 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)		0.700000		
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	0.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	12630	FT

Input DLIS Files

DEFAULT	SCMT_PSP_020LUP	FN:19	PRODUCER	02-Jul-2013 19:51	8333.0 FT	8058.5 FT
DEFAULT	SCMT_PSP_024PUP	FN:23	PRODUCER	02-Jul-2013 23:25	12651.5 FT	3.5 FT

Output DLIS Files

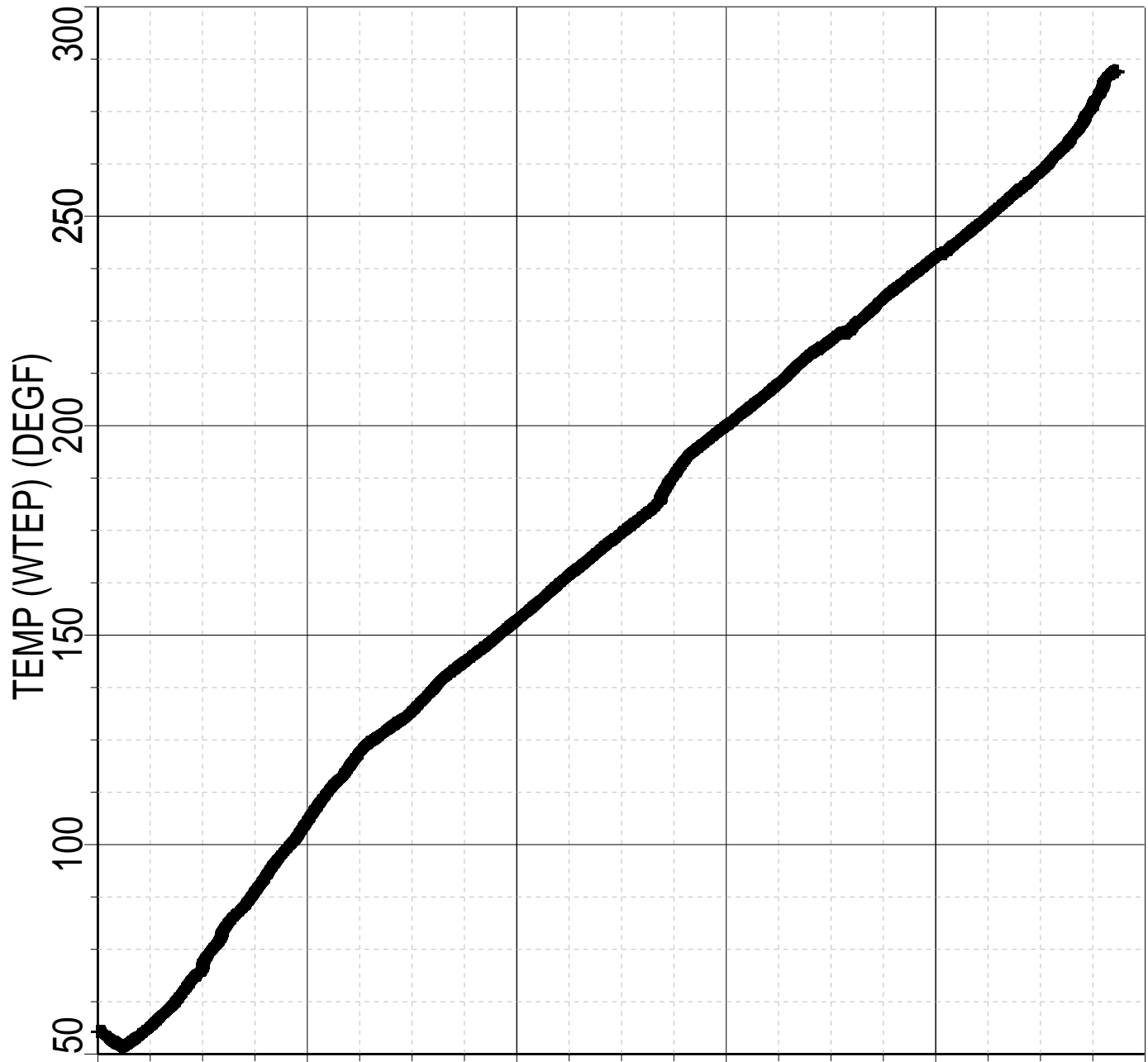
DEFAULT	SCMT_PSP_025PUP	FN:24	PRODUCER	02-Jul-2013 23:37
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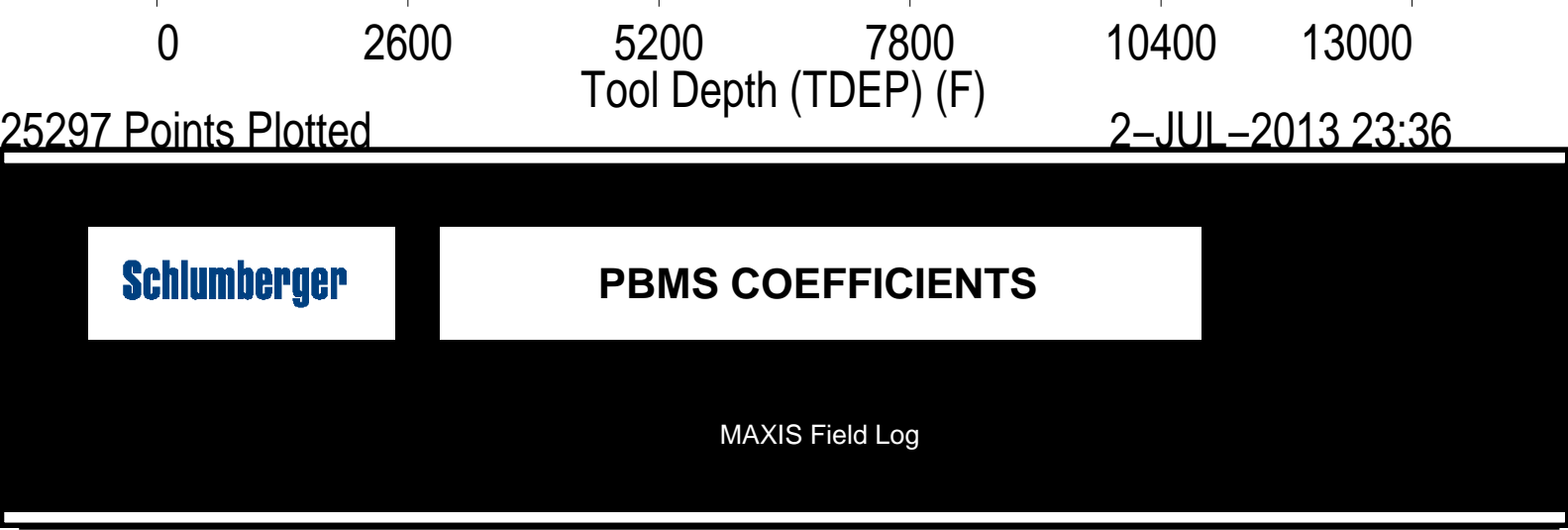
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TEMPERATURE PLOT

MAXIS Field Log

Index: 12651.5 – 3.5 FT





Client:	ENCANA OIL & GAS (USA) INC	Tool:	PSP
Field:	STORY GULCH	Sub Type:	PBMS
Well:	SG 8513A-36 (D36 496)	Sensor:	GR
Run date:	2-Jul-2013		

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	Tool:	PSP
Field:	STORY GULCH	Sub Type:	PBMS
Well:	SG 8513A-36 (D36 496)	Sensor:	WellTemp RTD
Run date:	2-Jul-2013		

PBMS RTD Well Thermometer

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

COEFFICIENTS FOR RTD THERMOMETER PBMS–B.928 S/N:

928

280612

16

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 8513A–36 (D36 496)

Run date: 2–Jul–2013

Tool: PSP

Sub Type: PBMS

Sensor: CQG

PBMS Quartz Gauge type F

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

COEFFICIENTS FOR CQG PBMS–B.928 S/N:

928

280612

66

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	+.4222250441458E–19	+.4222250441458E–19	0.0

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

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
<div><div>500.0</div><div>1075</div><div>1650</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>					<div><div>500.0</div><div>1075</div><div>1650</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>				
Phase	CBL Amplitude Plus MV			Value					
Master	<div><div></div></div>			1334					
<div><div>1000</div><div>1350</div><div>1700</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>									
Master: 26-Sep-2012 14:15									

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

Schlumberger

Well: **SG 8513A-36 (D36 496)**

Field: **STORY GULCH**

County: **GARFIELD**

State: **COLORADO**

SLIM CEMENT MAPPING LOG

CBL – VDL

GAMMA RAY – CCL