

Company: ENCANA OIL & GAS (USA) INC

Well: SG 8502E-35 (D36 496)

Field: STORY GULCH

County: GARFIELD State: COLORADO

SLIM CEMENT MAPPING LOG
CBL-VDL
GR-CCL

County: GARFIELD

Field: STORY GULCH

Location: SHL: 370 FNL & 1053 FWL

Well: SG 8502E-35 (D36 496)

Company: ENCANA OIL & GAS (USA) INC

LOCATION			
SHL: 370 FNL & 1053 FWL	Elev.: K.B.	8320.00 ft	
BHL: 1167 FNL & 1802 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	Range 96W
05-045-20941-0C			

	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	11-Apr-2013		
Run Number	1		
Depth Driller	12410 ft		
Schlumberger Depth	12333 ft		
Bottom Log Interval	12324 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	7.875 in		
From	9994 ft		
To	12410 ft		
Casing/Tubing Size	4.500 in		
Weight	11.6 lbm/ft		
Grade			
From	30 ft		
To	12390 ft		
Maximum Recorded Temperatures	282 degF		
Logger On Bottom	11-Apr-2013	9:00	
Unit Number	Location	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	Location		
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

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

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:	20-FEB-2011	Length:	19500 FT
Calibrator Serial Number:		Calibrator Serial Number:	174878	Conveyance Method:	Wireline
Calibration Cable Type:	1-25ZT	Number of Calibration Points:	10	Rig Type:	LAND
Wheel Correction 1:	-3	Calibration RMS:	4		
Wheel Correction 2:	-4	Calibration Peak Error:	8		

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 DOWN LOG	
TOOL RAN AS PER TOOL SKETCH	
MAXIMUM RECORDED TEMPERATURE = 282 DEGF	
MAXIMUM RECORDED PRESSURE = 4958 PSIA	
SHORT JOINTS = 7907 FT & 10881 FT	

ENTRANCE TIME = 08:00	
LOGGER ON BOTTOM = 09:00	
EXIT TIME = 12:00	
MAIN PASS LOGGED WITH ZERO SURFACE PRESSURE	
CYCLE SKIPPING DUE TO GOOD BOND	
EXPECTED CBL AMPLITUDE OF FREE PIPE 80MV	
THANK YOU FOR CHOOSING E&P WIRELINE, A SCHLUMBERGER COMPANY	
YOUR CREW. K. BUNTING. W. AZIZ. K. JOHNS	

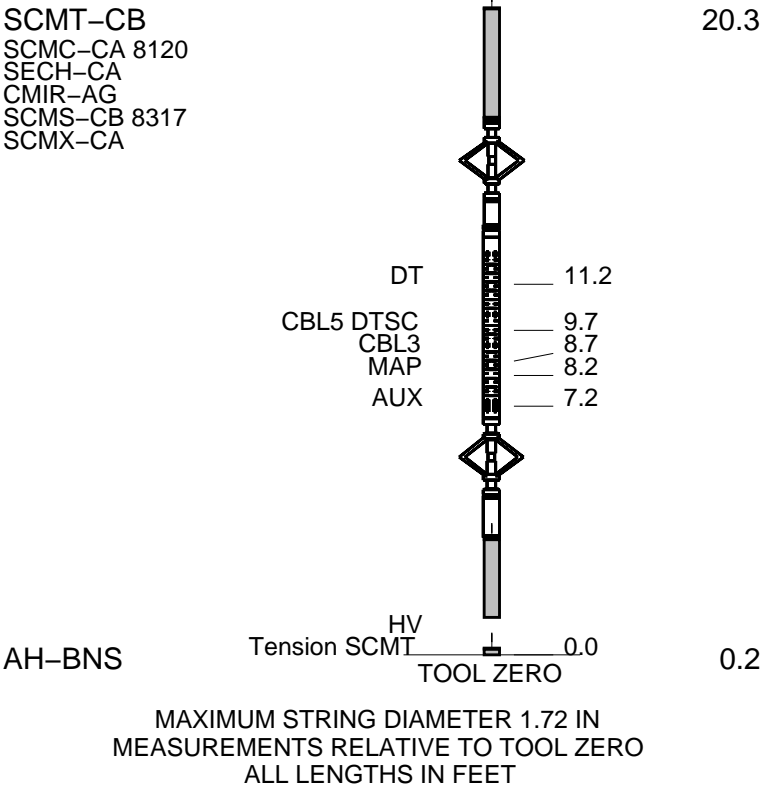
RUN 1 SERVICE ORDER #: CGF9-00038 PROGRAM VERSION: 19C0-187 FLUID LEVEL: 70 ft			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

[illegible]

RUN 1		RUN 2	
1	2	1	2
3	4	3	4
5	6	5	6
7	8	7	8
9	10	9	10
11	12	11	12
13	14	13	14
15	16	15	16
17	18	17	18
19	20	19	20
21	22	21	22
23	24	23	24
25	26	25	26
27	28	27	28
29	30	29	30
31	32	31	32
33	34	33	34
35	36	35	36
37	38	37	38
39	40	39	40
41	42	41	42
43	44	43	44
45	46	45	46
47	48	47	48
49	50	49	50
51	52	51	52
53	54	53	54
55	56	55	56
57	58	57	58
59	60	59	60
61	62	61	62
63	64	63	64
65	66	65	66
67	68	67	68
69	70	69	70
71	72	71	72
73	74	73	74
75	76	75	76
77	78	77	78
79	80	79	80
81	82	81	82
83	84	83	84
85	86	85	86
87	88	87	88
89	90	89	90
91	92	91	92
93	94	93	94
95	96	95	96
97	98	97	98
99	100	99	100

SURFACE EQUIPMENT	
WITM-A PSC_16MHZ	

DOWNHOLE EQUIPMENT			
MH-22			53.4
MH-22			
Detail MT			
AH-38	TelStatus		51.8
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		44.8
CCL	CQG Manom		44.5
PBMS	CCL		44.0
	PBMS PSTC		43.3
RST-C			43.3
RSCH-A 469			
RSC-E			
RSS-A 461			
RSXH-A 493			
RSX-E			
	RSC-A Far		34.2
	RSC-A PNG		
	RSC-A Nea		
	RSX-A PNG		33.7



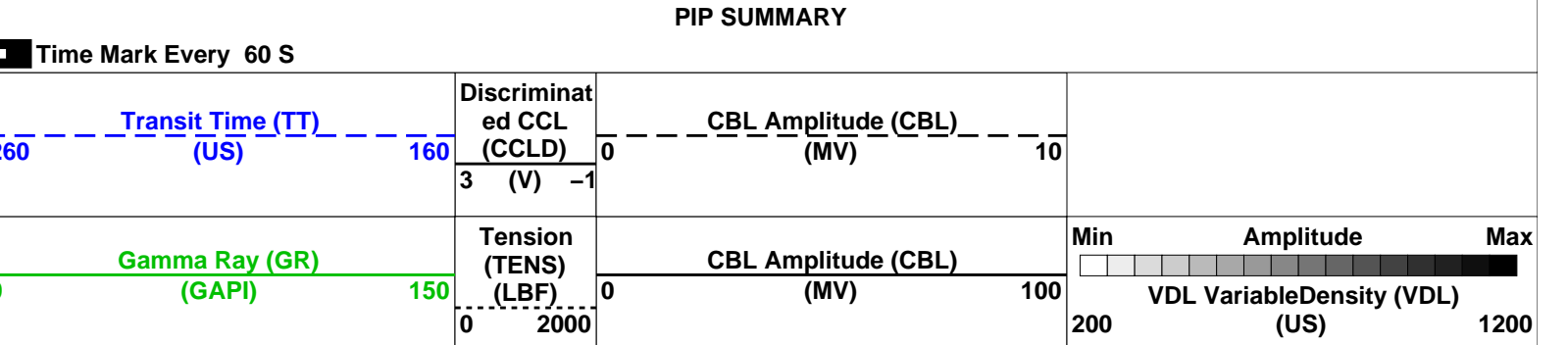
Schlumberger

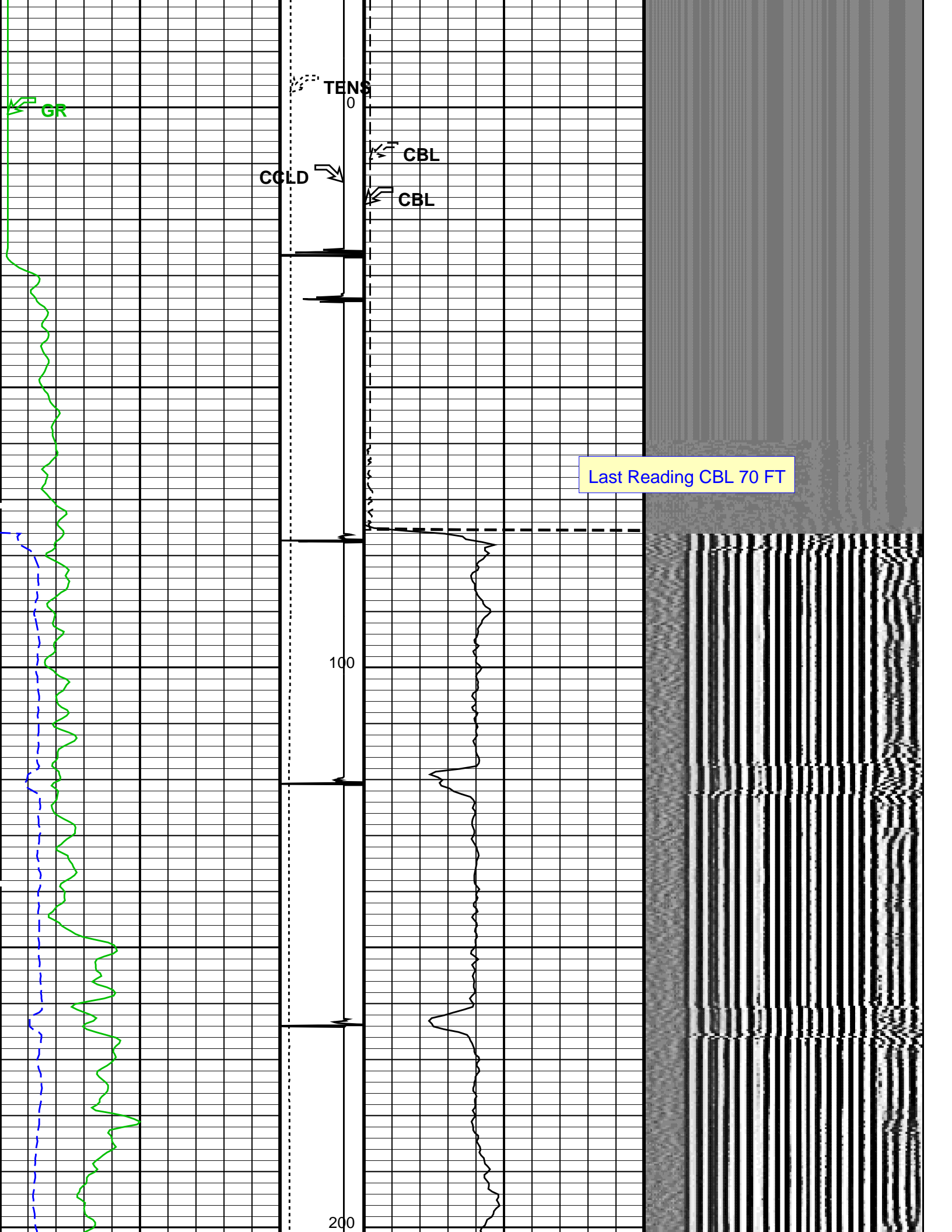
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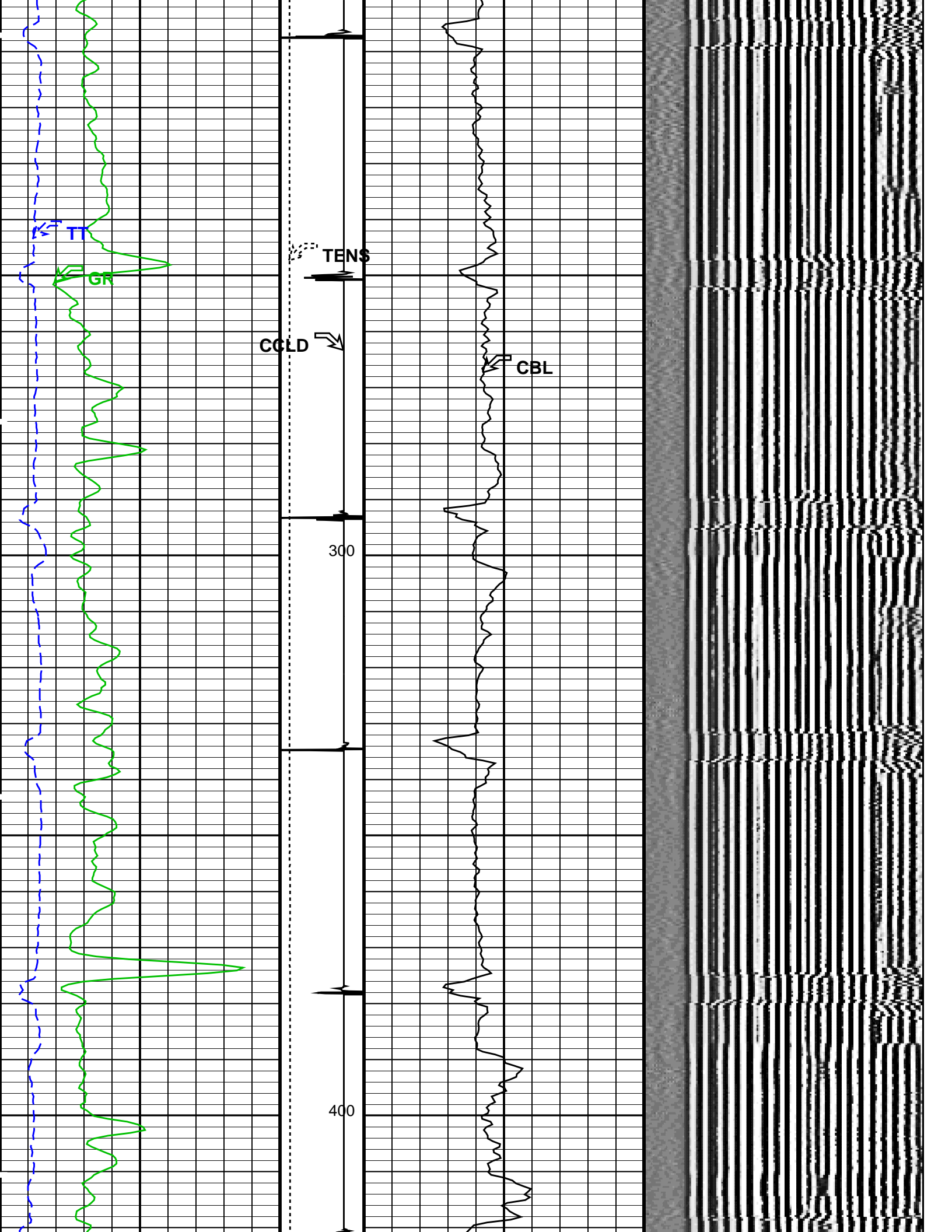
MAXIS Field Log

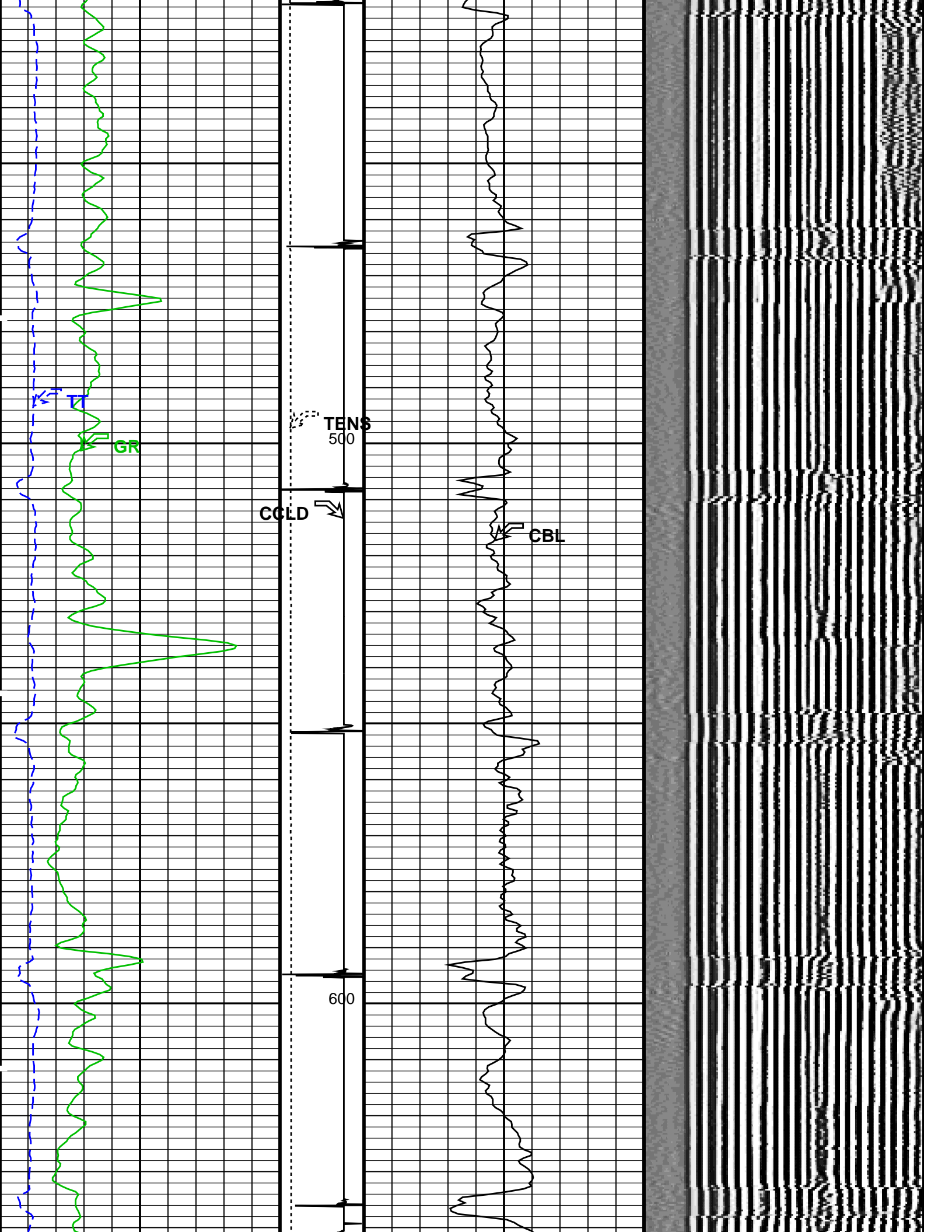
Company: ENCANA OIL & GAS (USA) INCWell: SG 8502E-35 (D36 496)

Input DLIS Files						
DEFAULT	SCMT_RST_PSP_014LUP	FN:13	PRODUCER	11-Apr-2013 09:03	12344.0 FT	15.5 FT
Output DLIS Files						
DEFAULT	SCMT_RST_PSP_018PUP	FN:17	PRODUCER	11-Apr-2013 12:24	12353.0 FT	-20.0 FT
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					

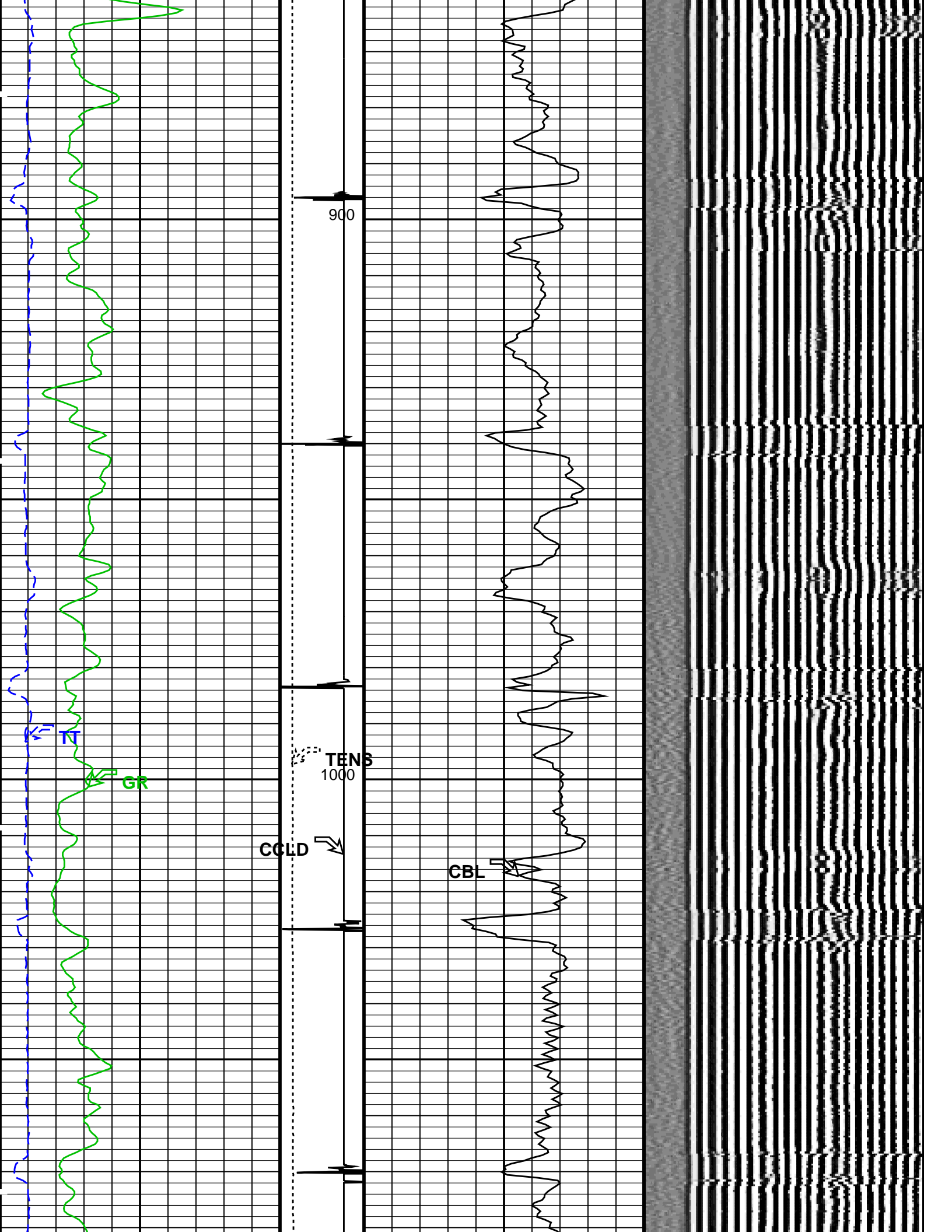


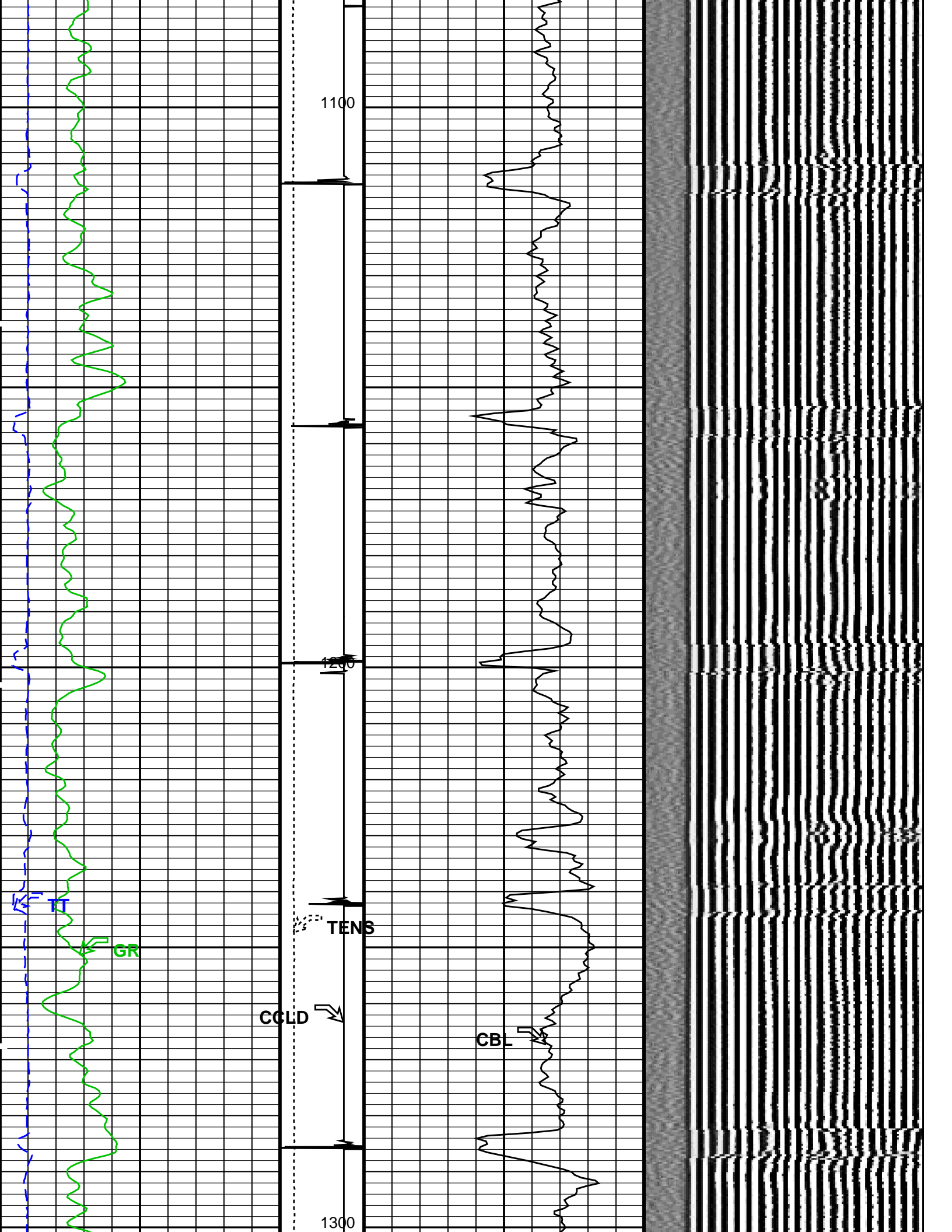


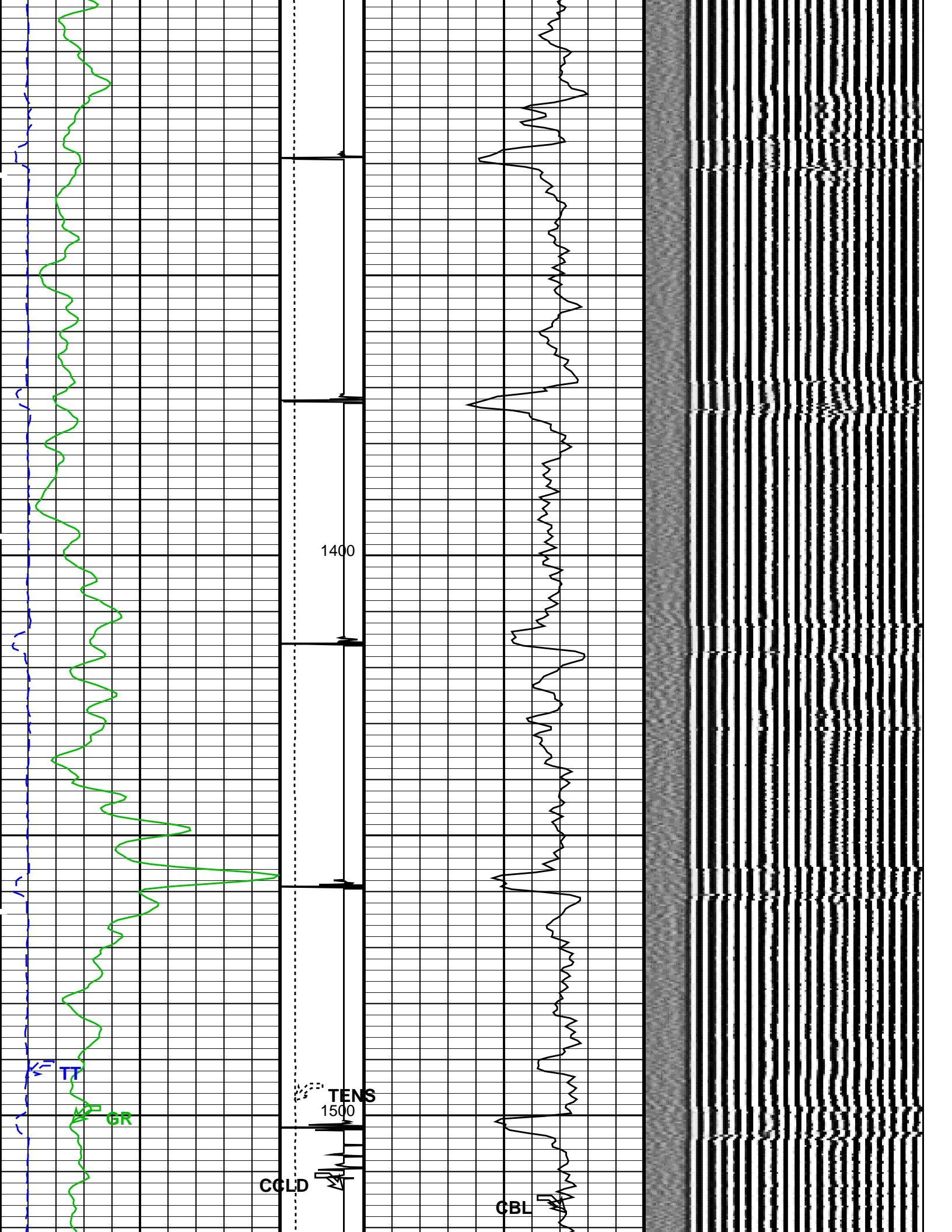


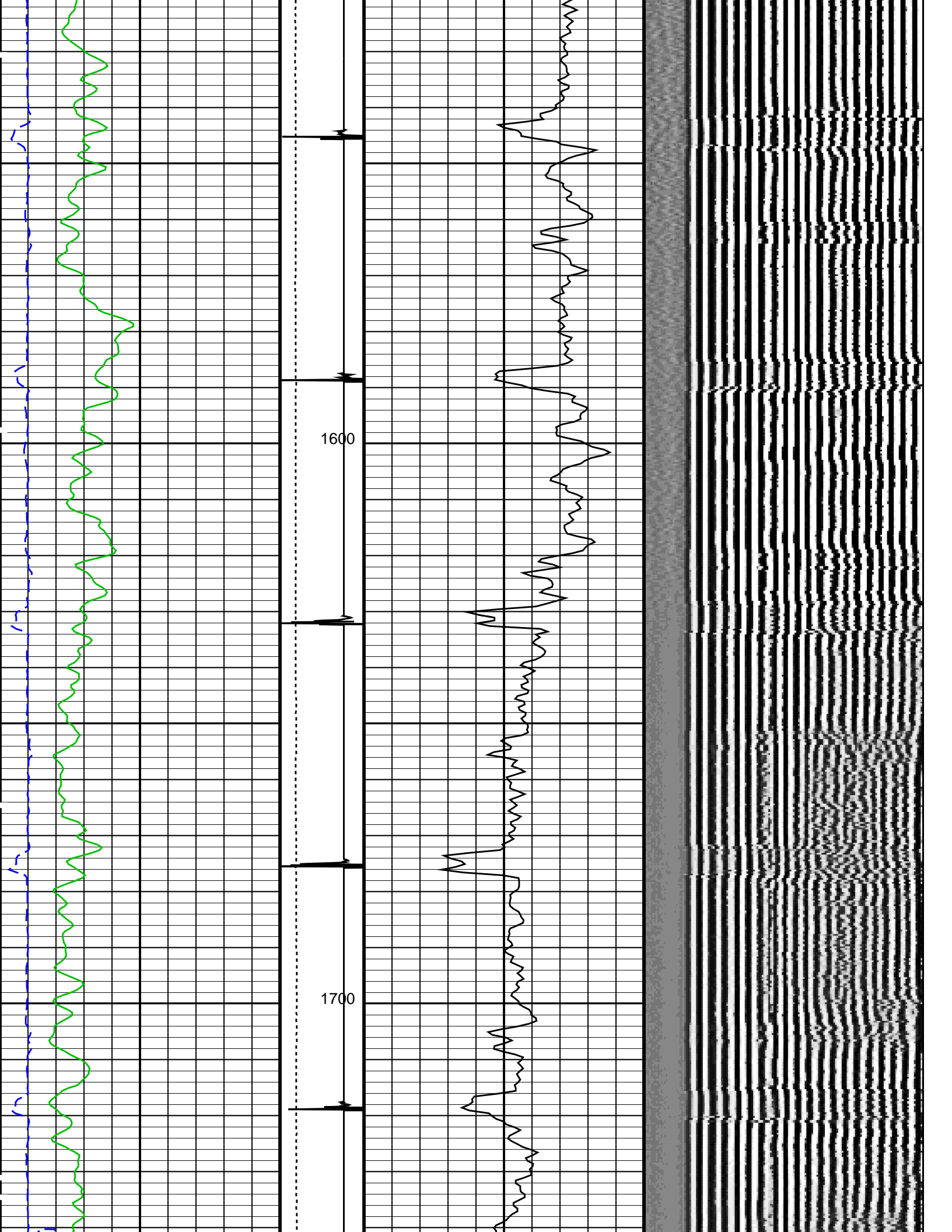


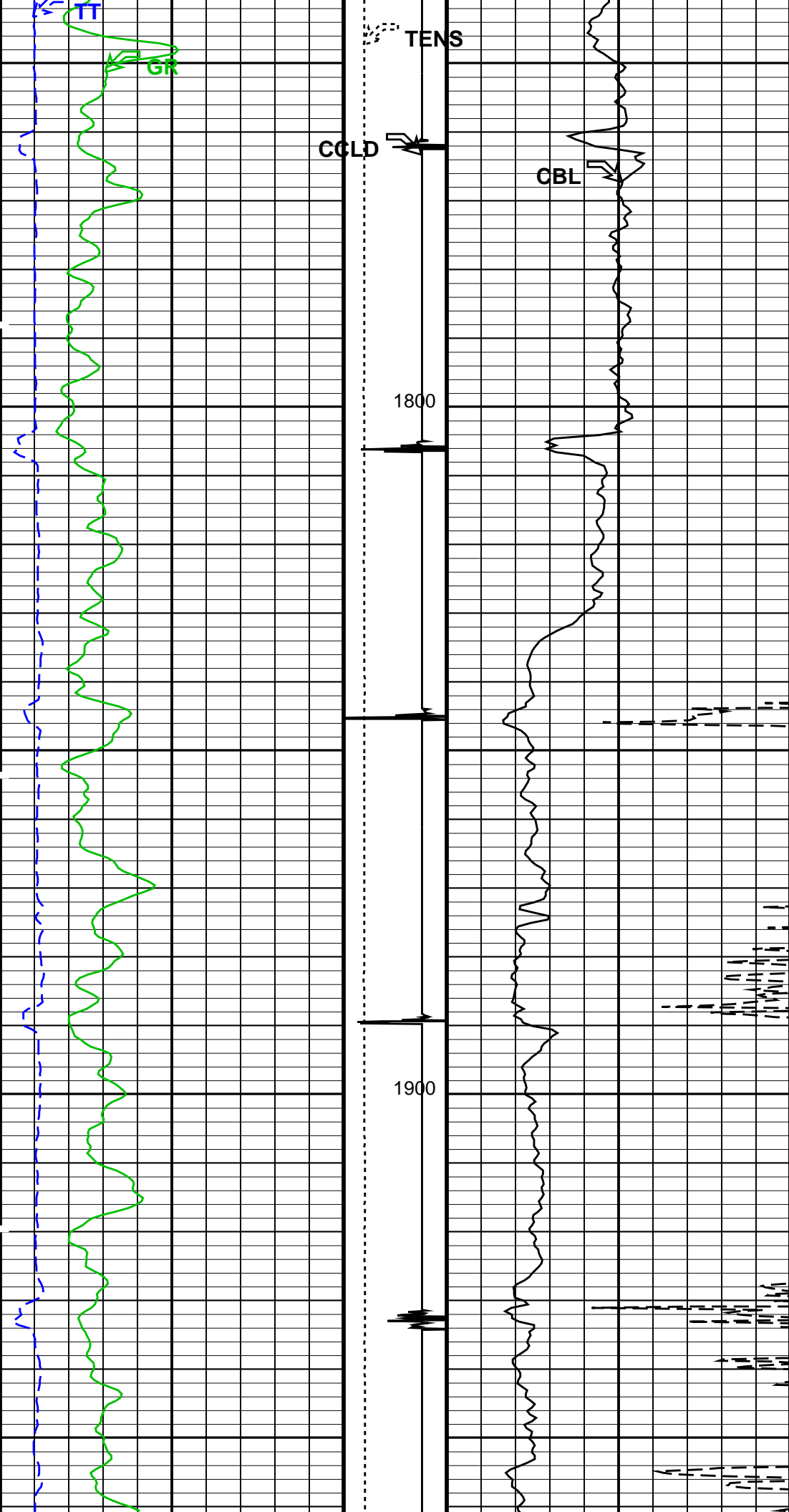


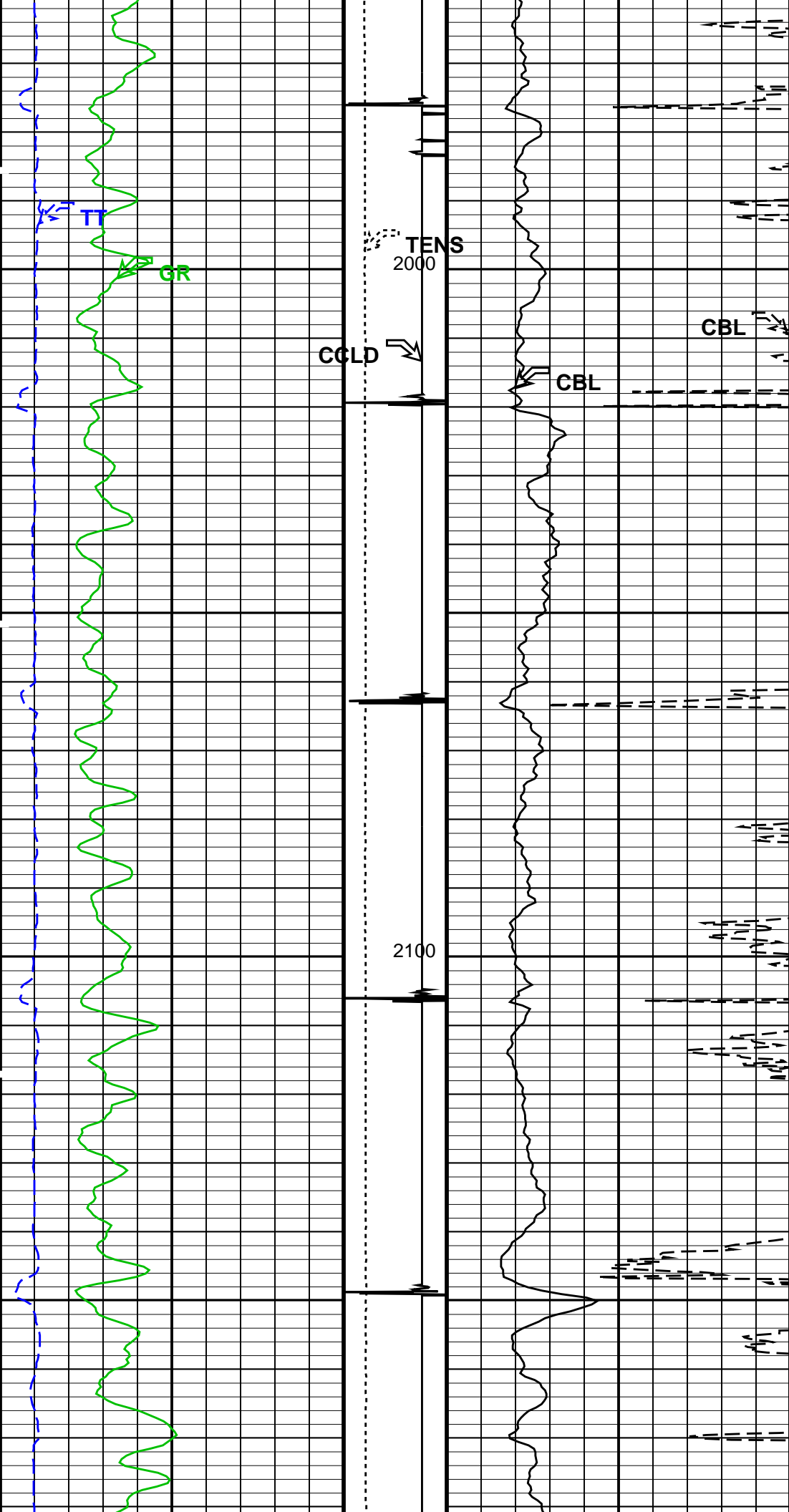


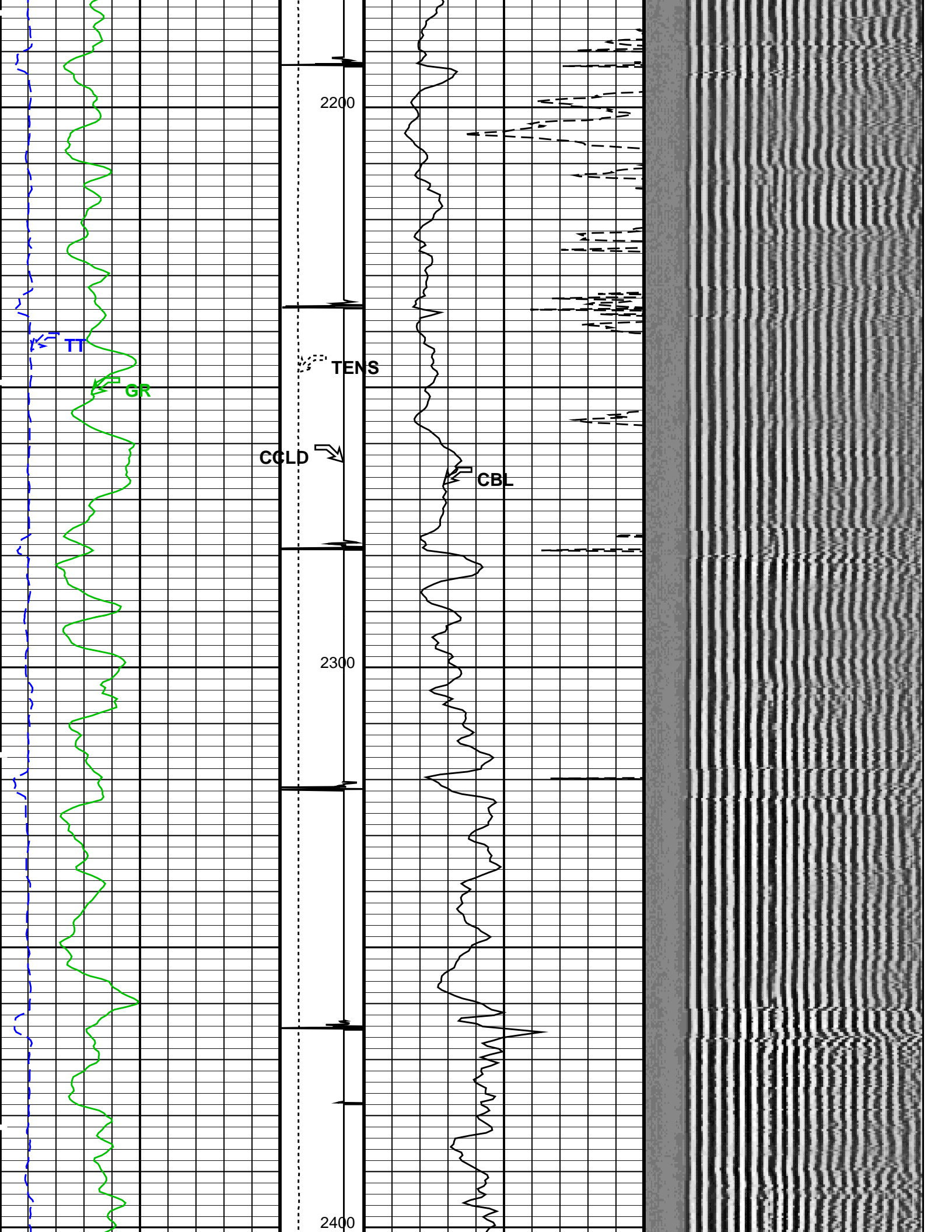


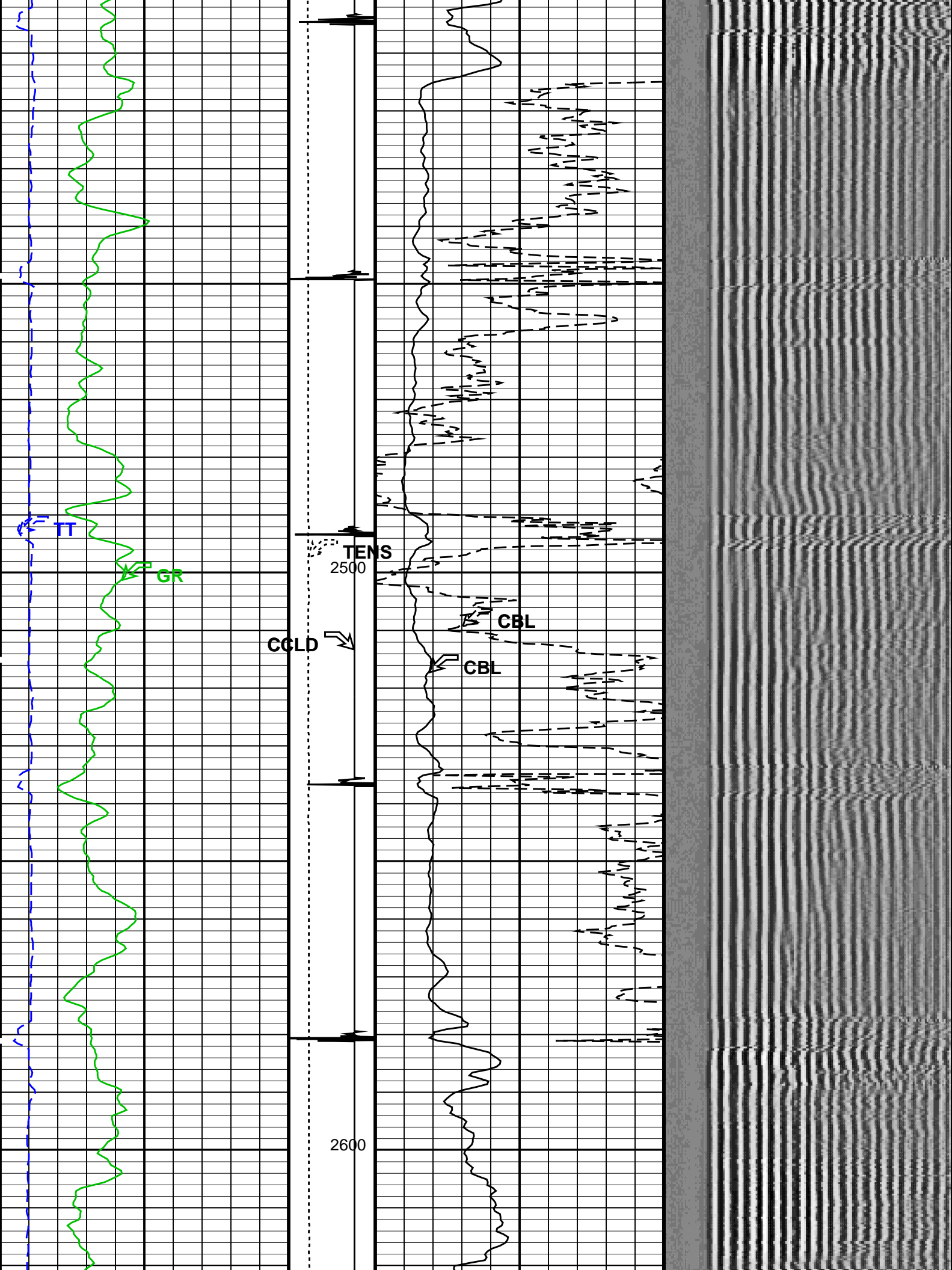


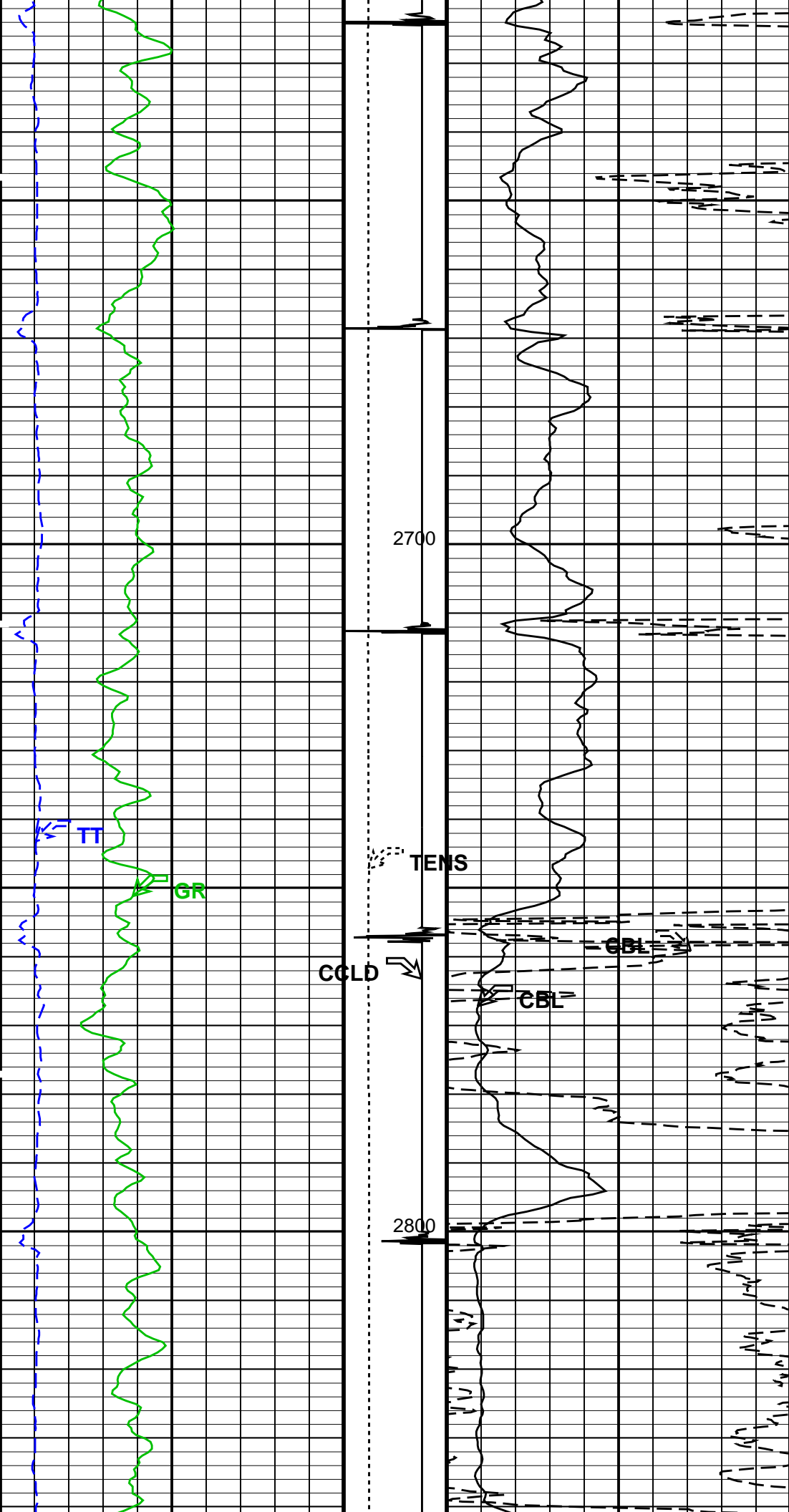


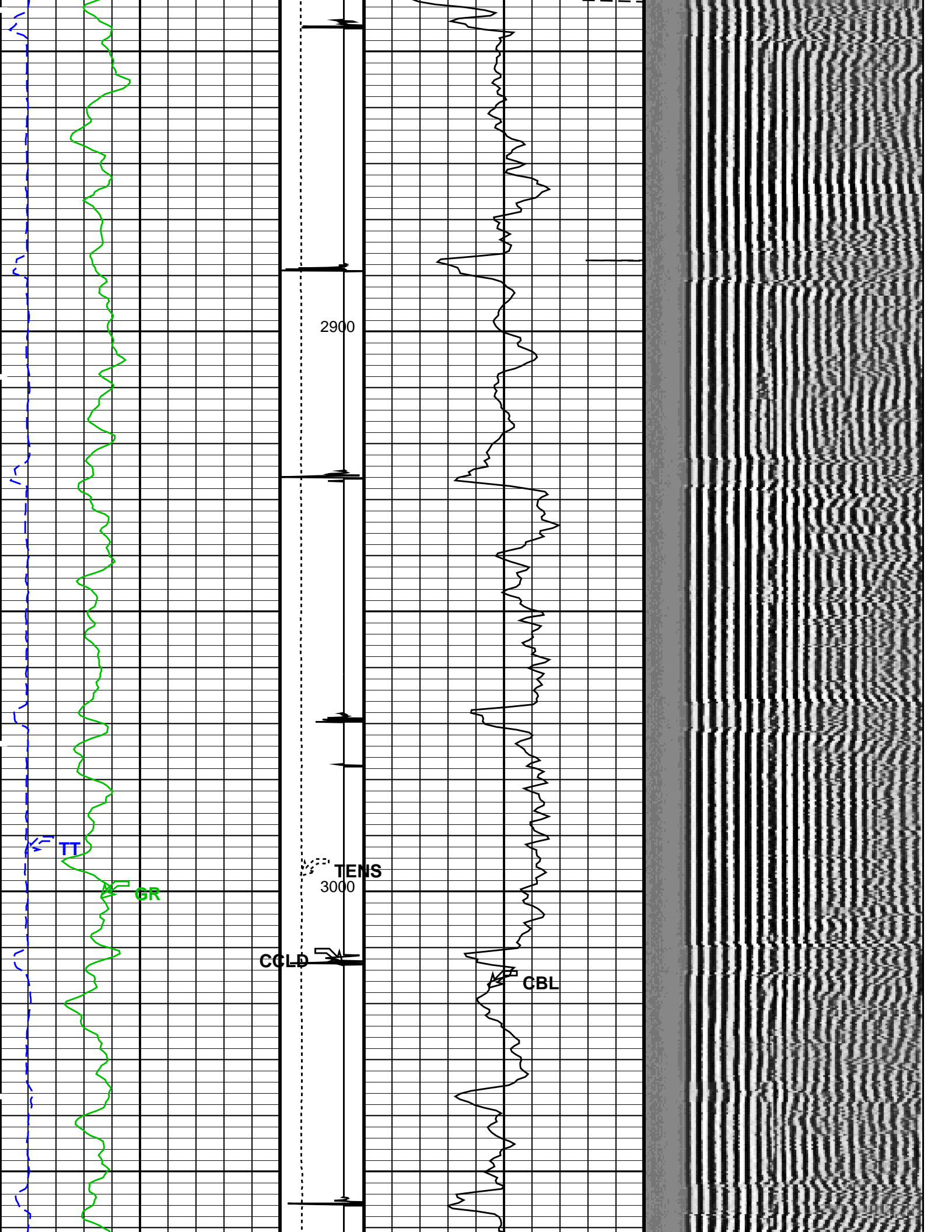


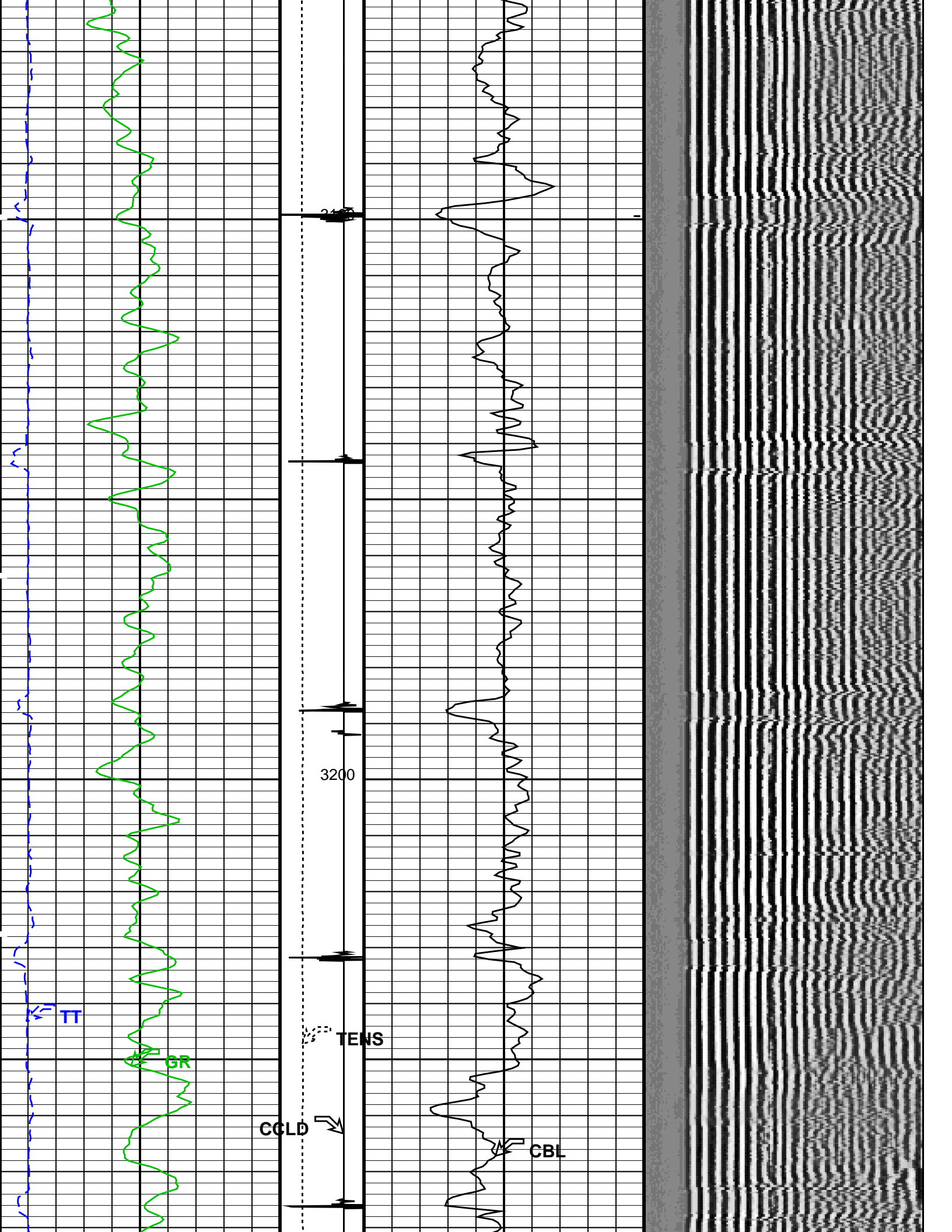


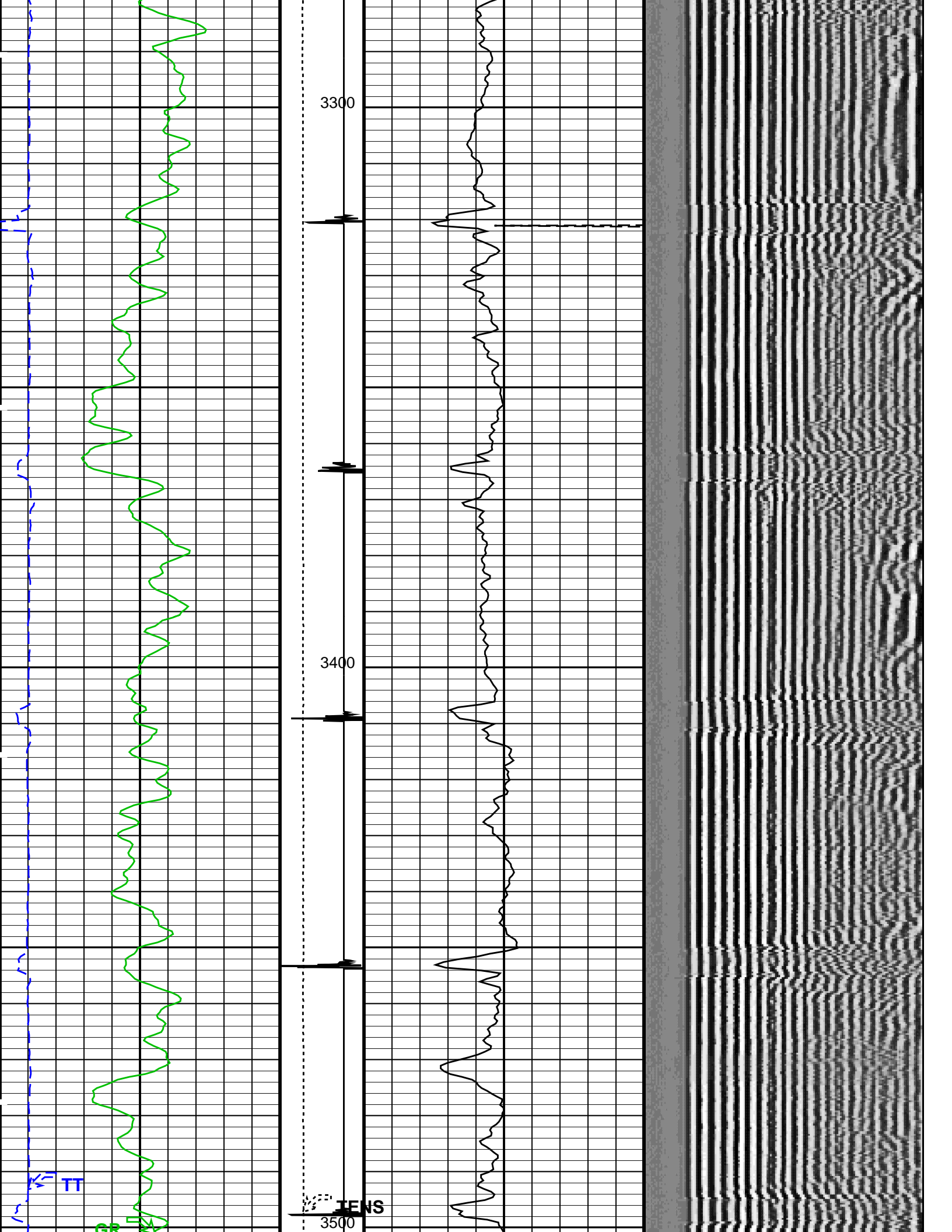


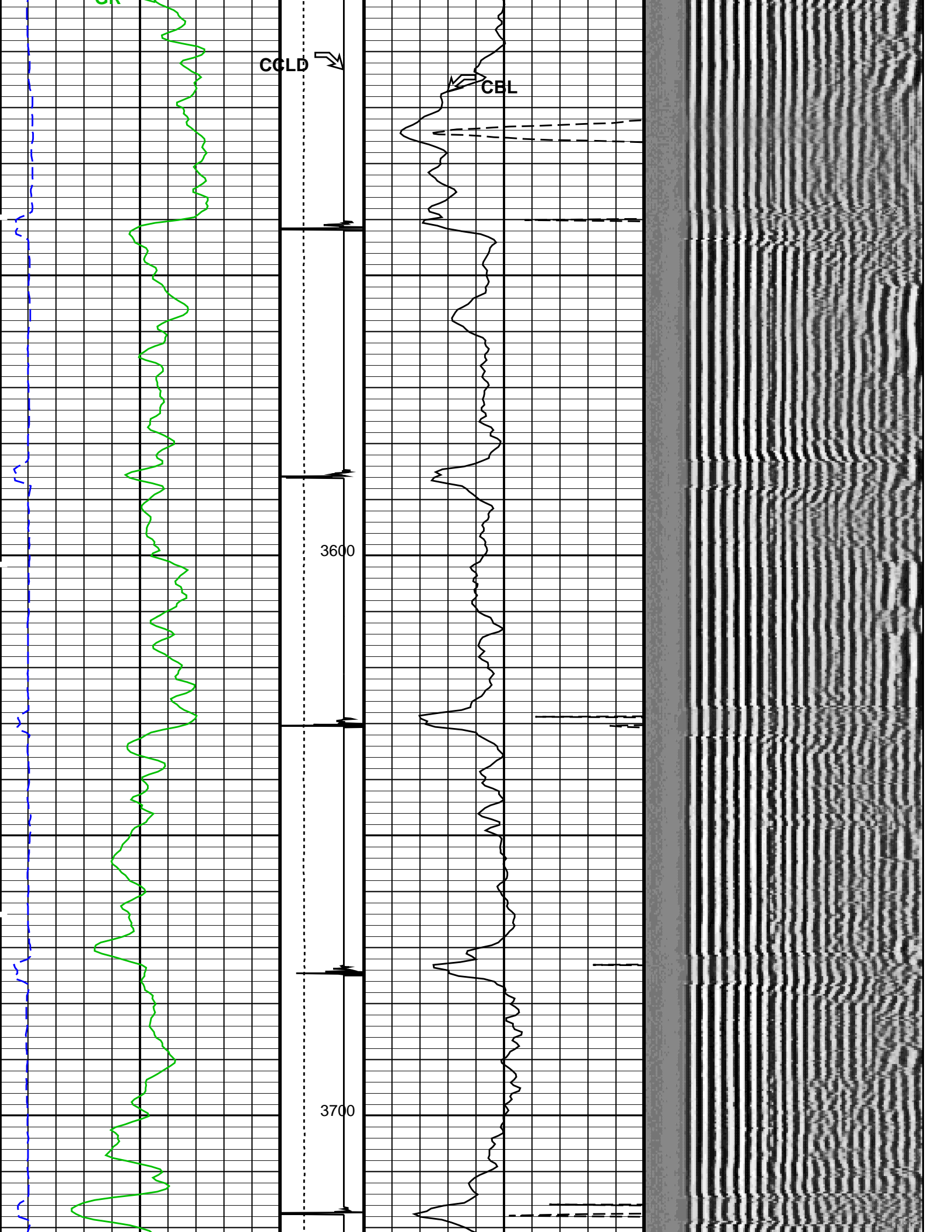


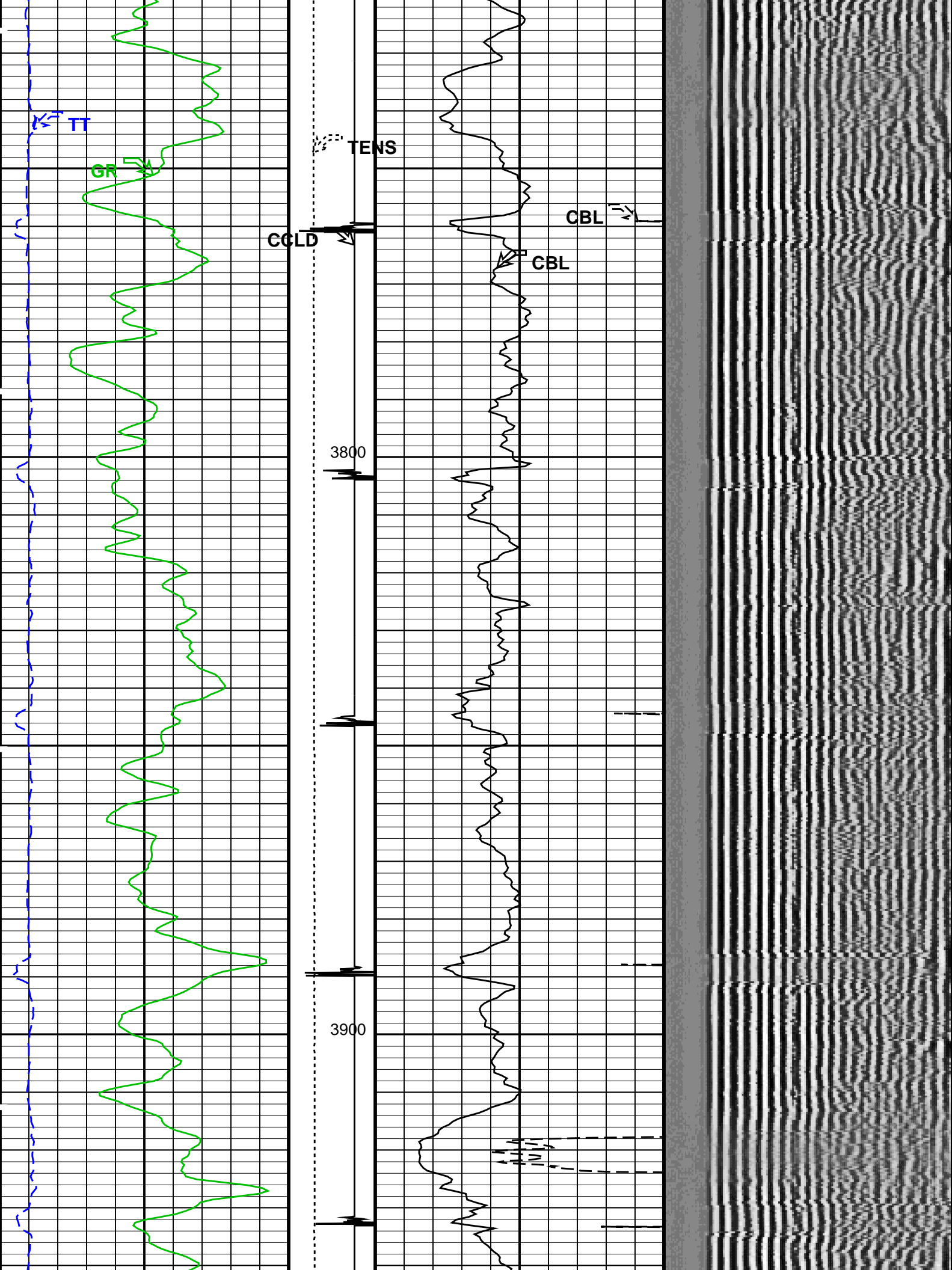


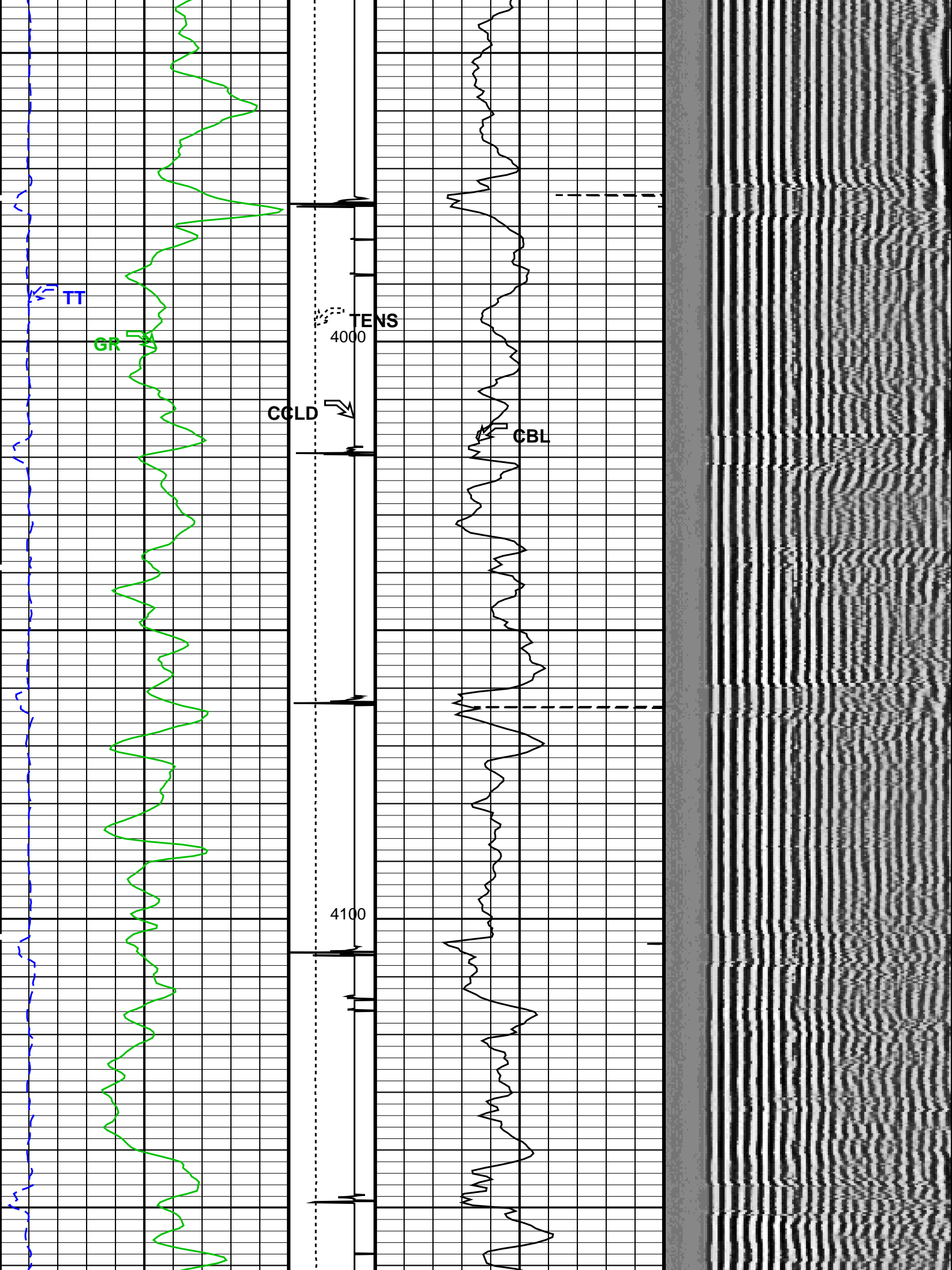


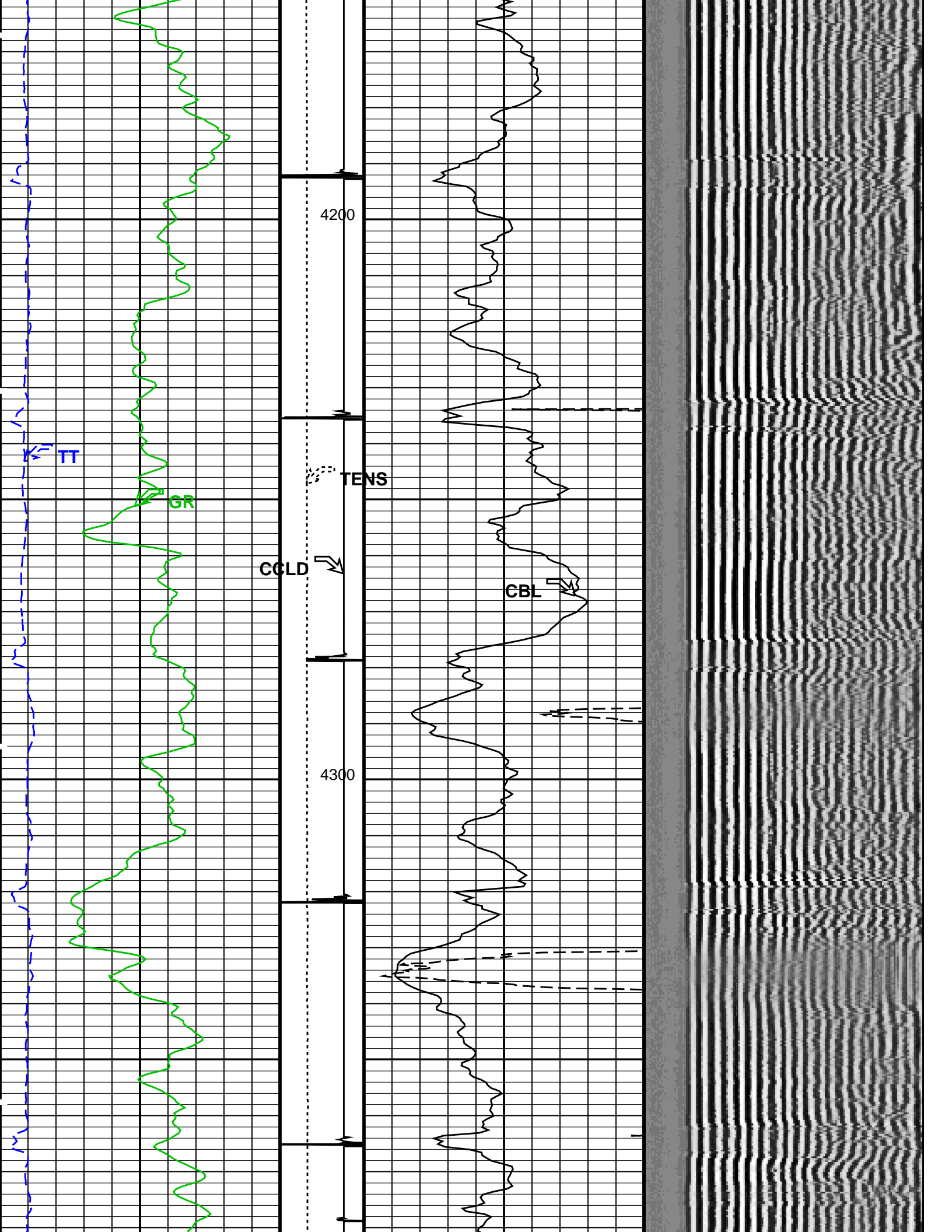


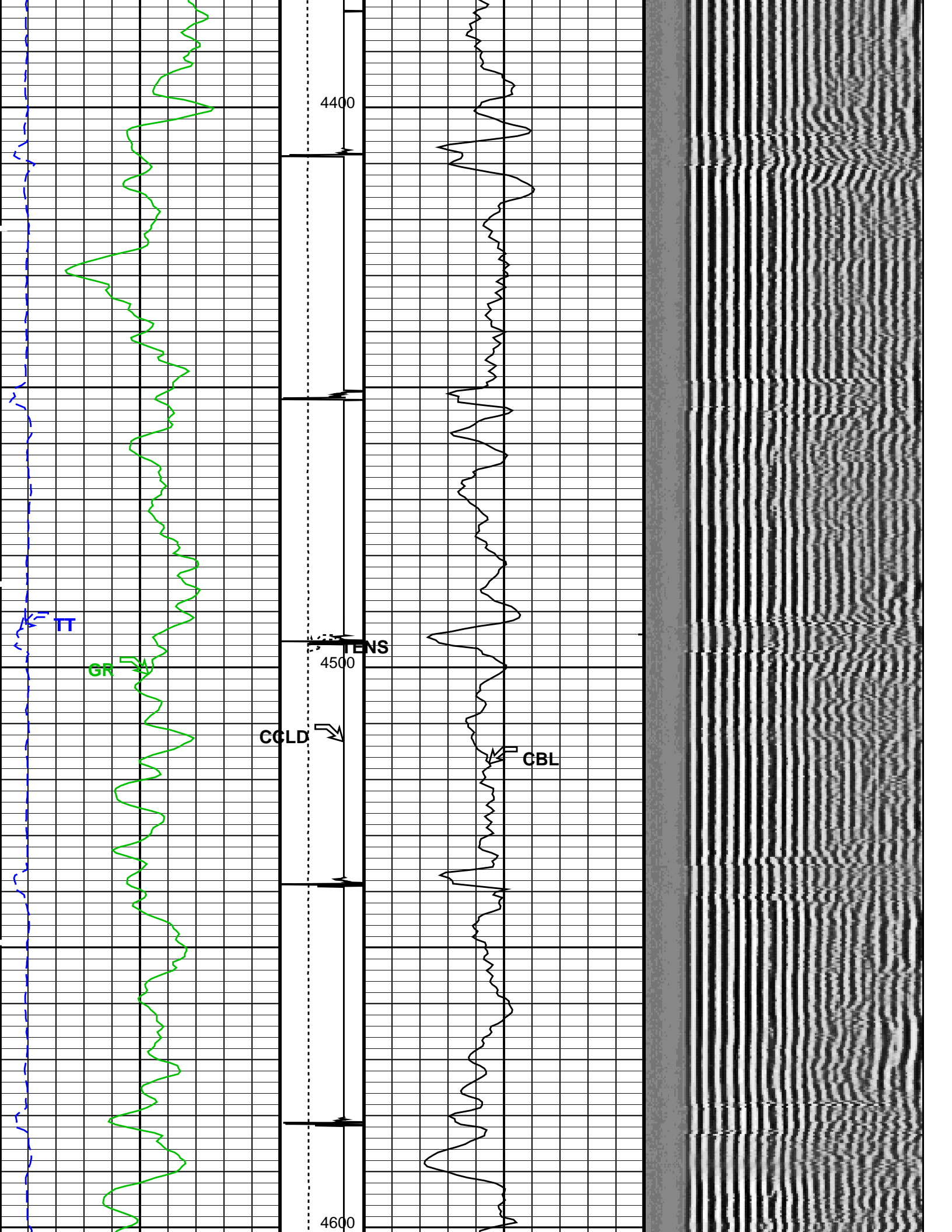


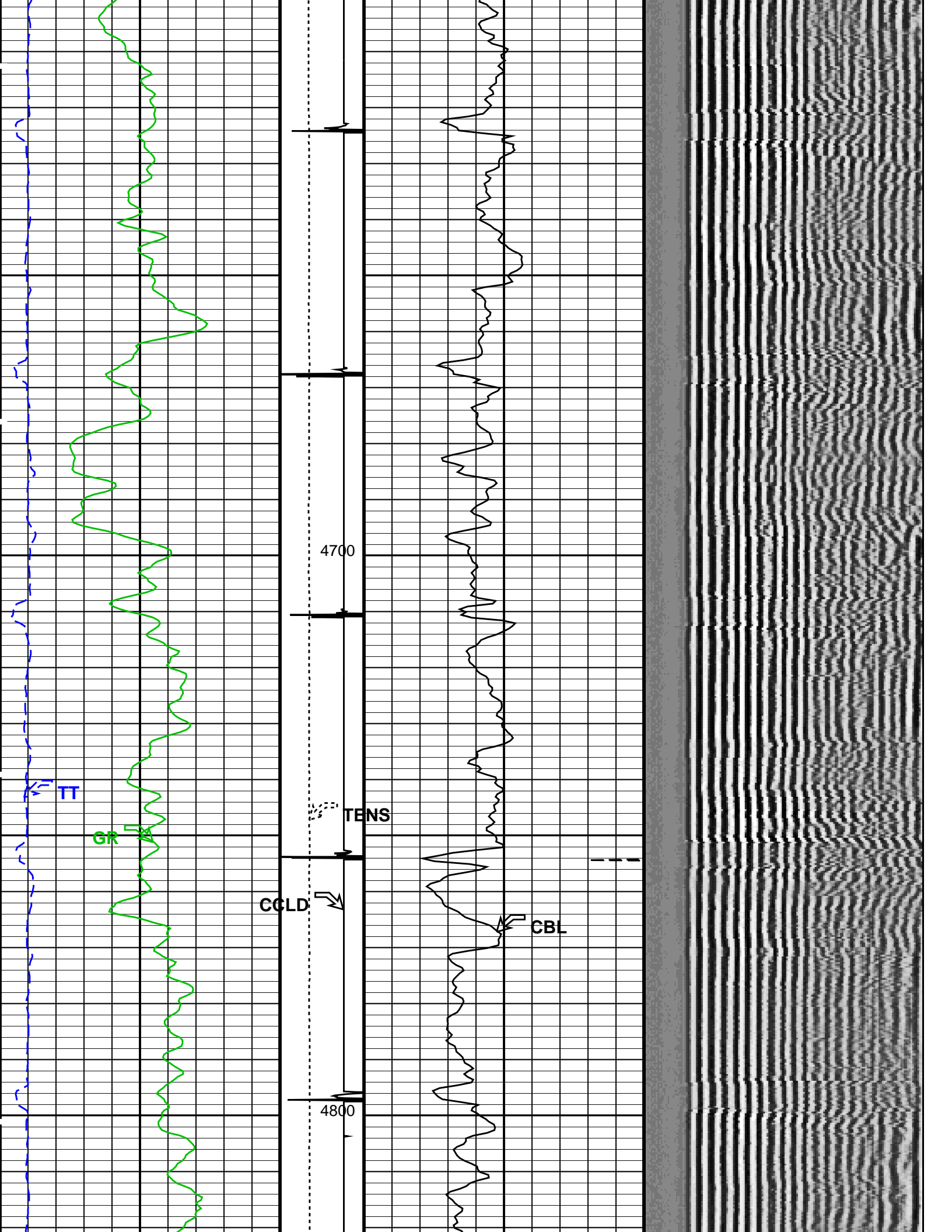


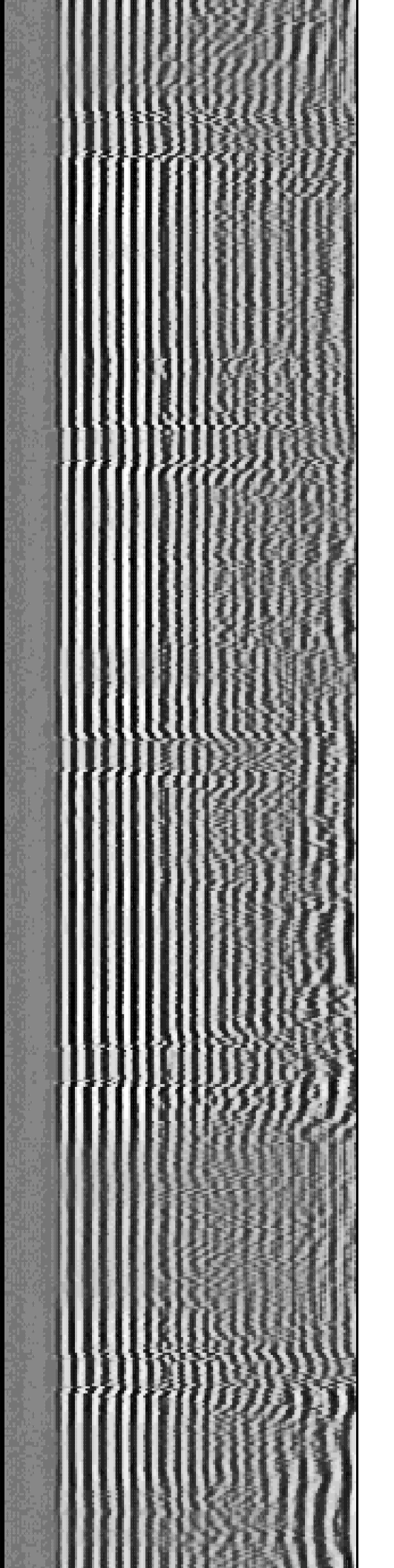
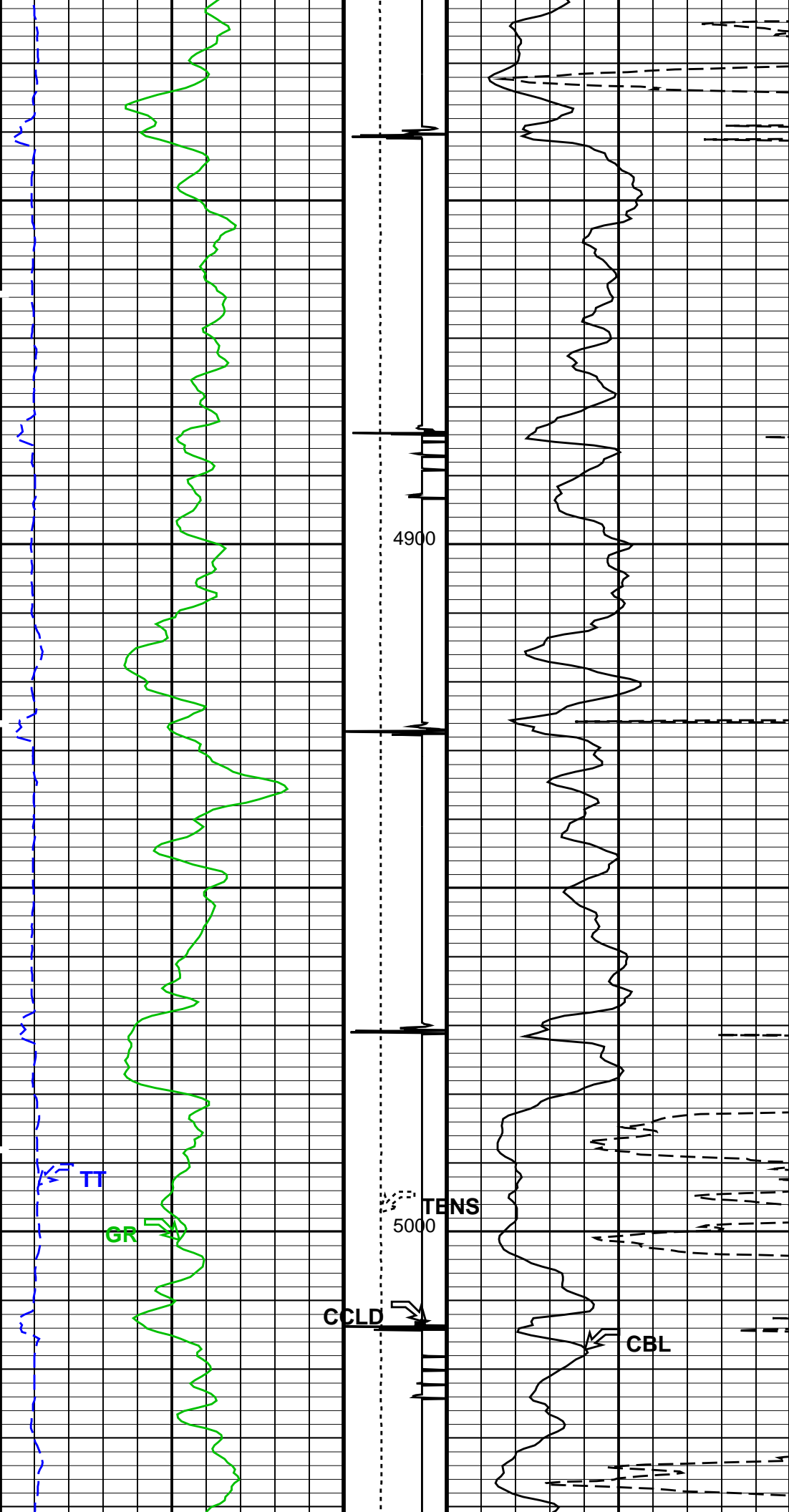


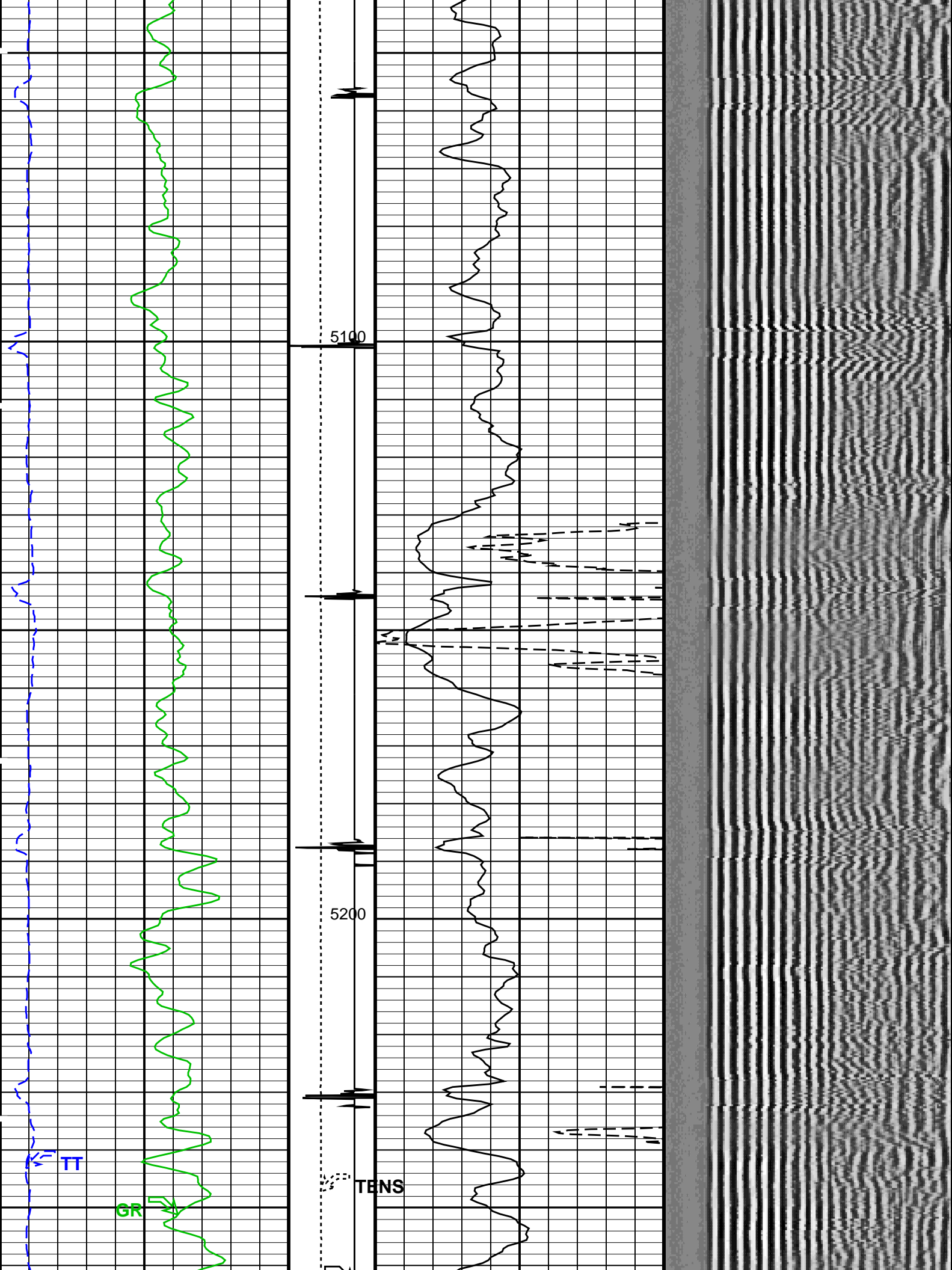


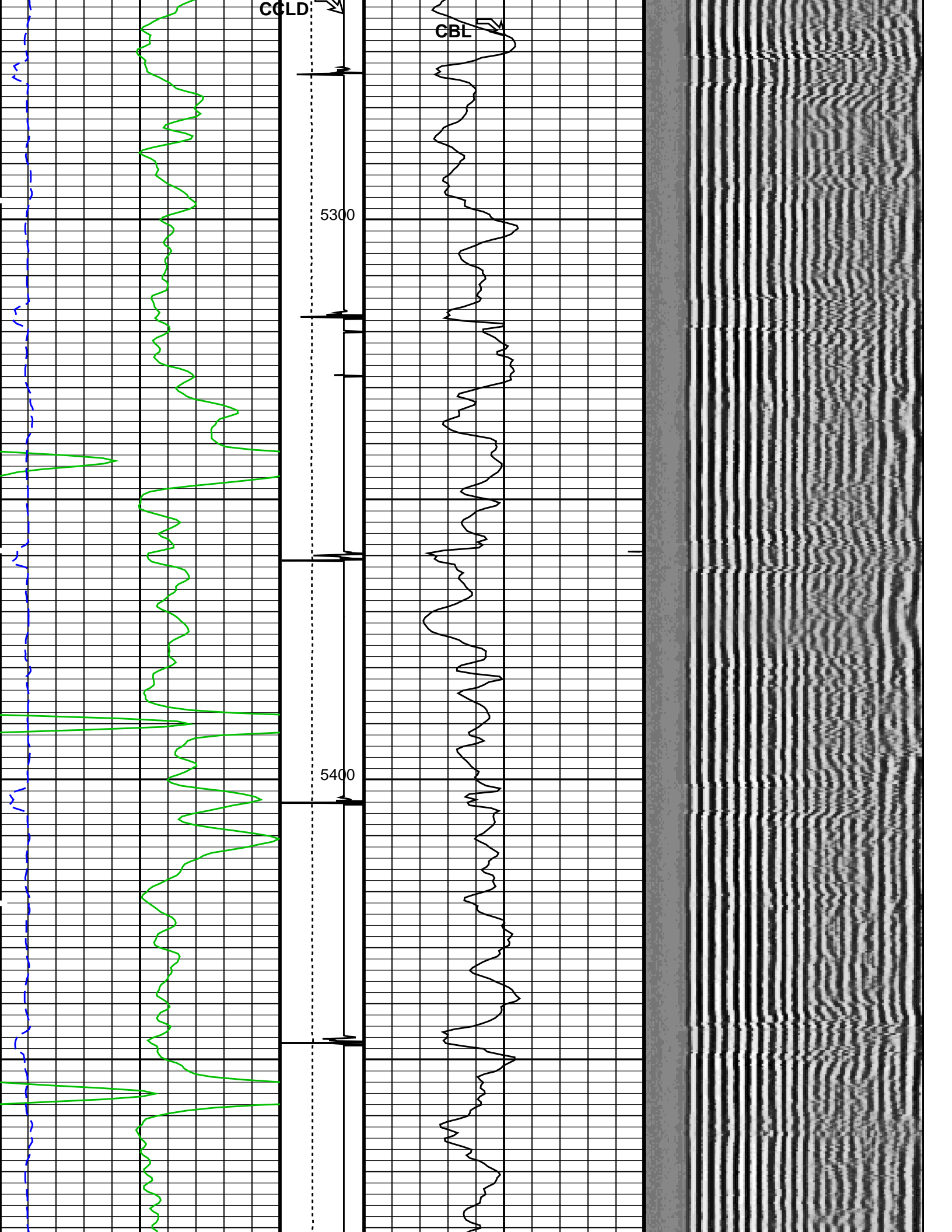


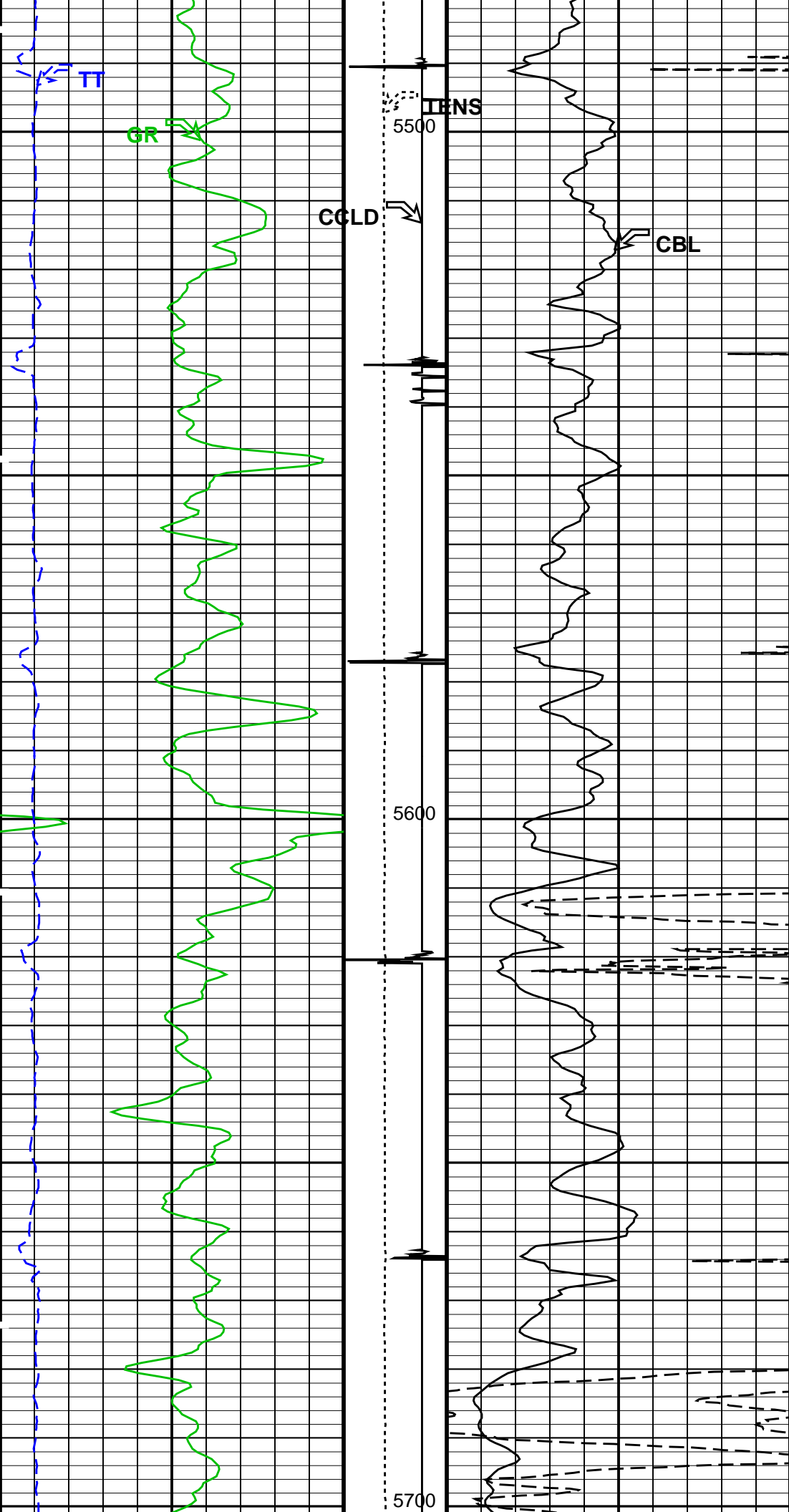


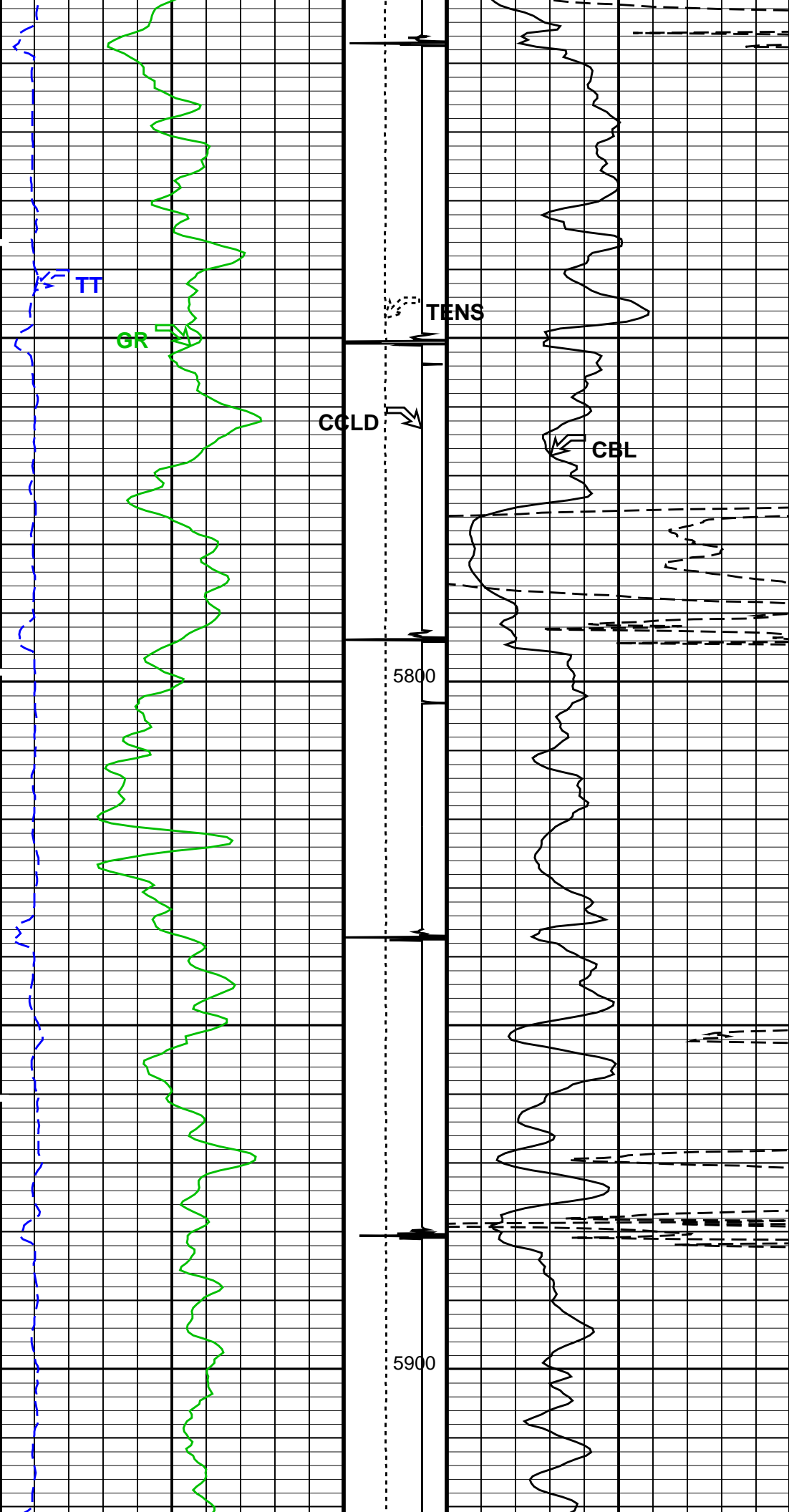


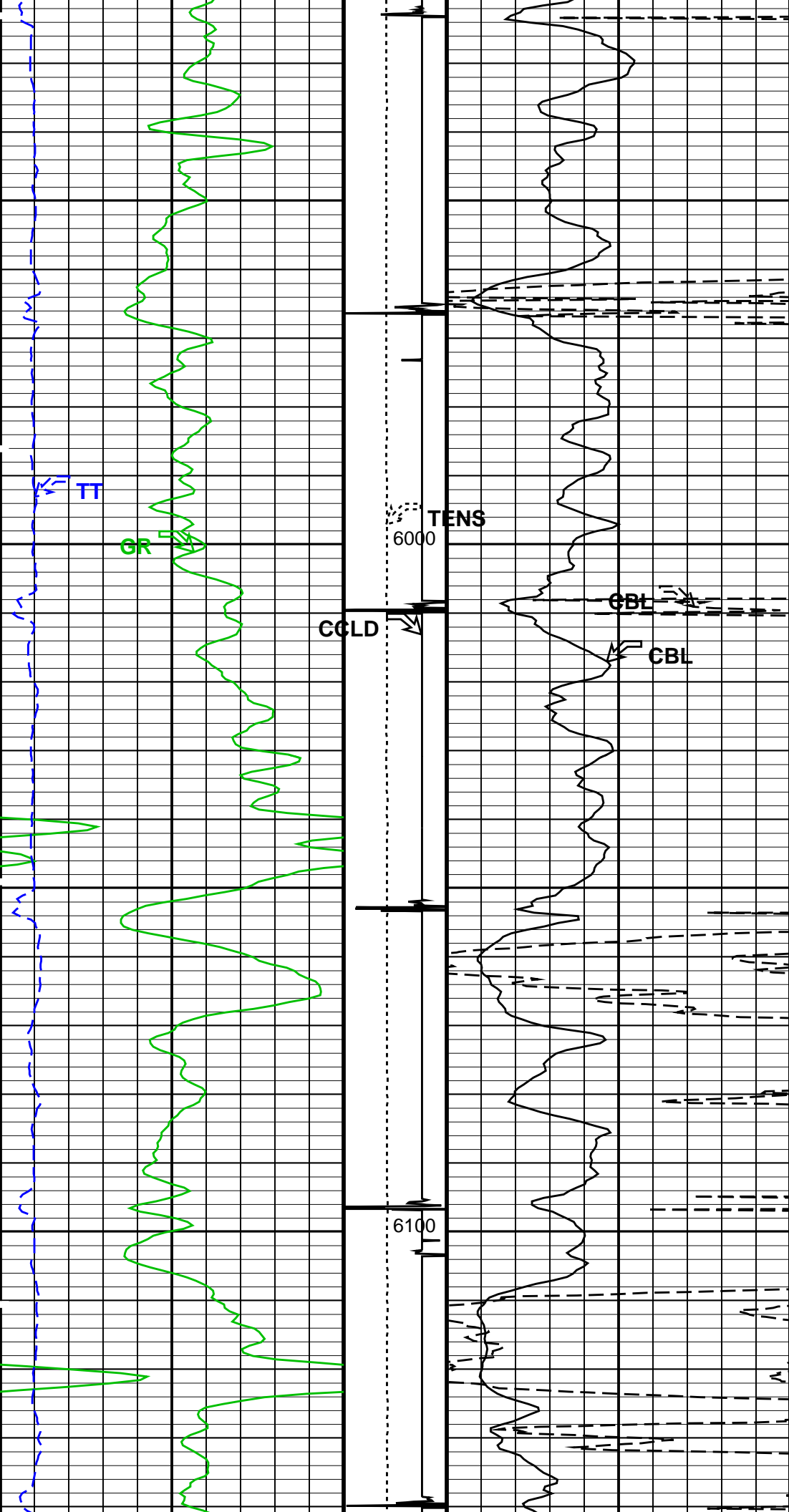


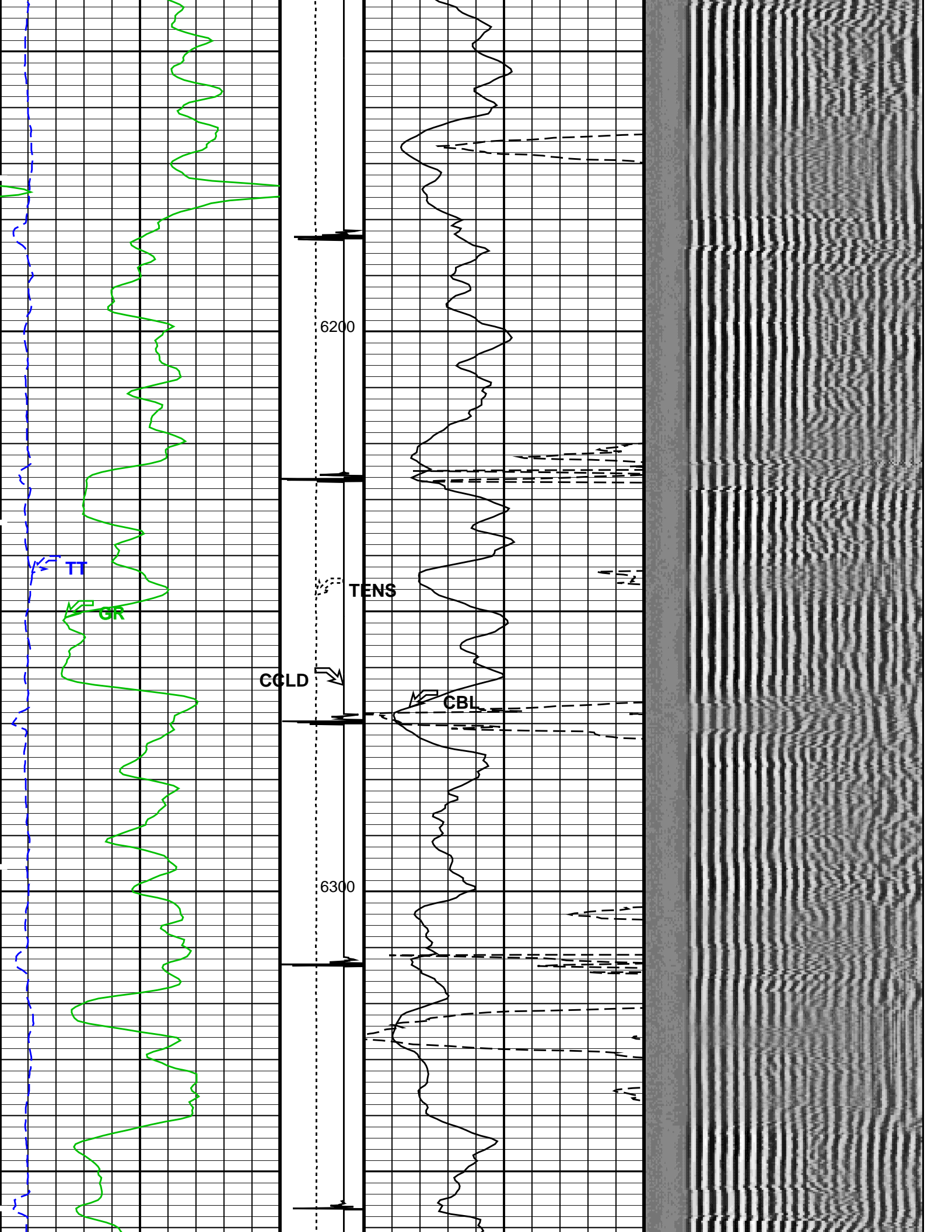


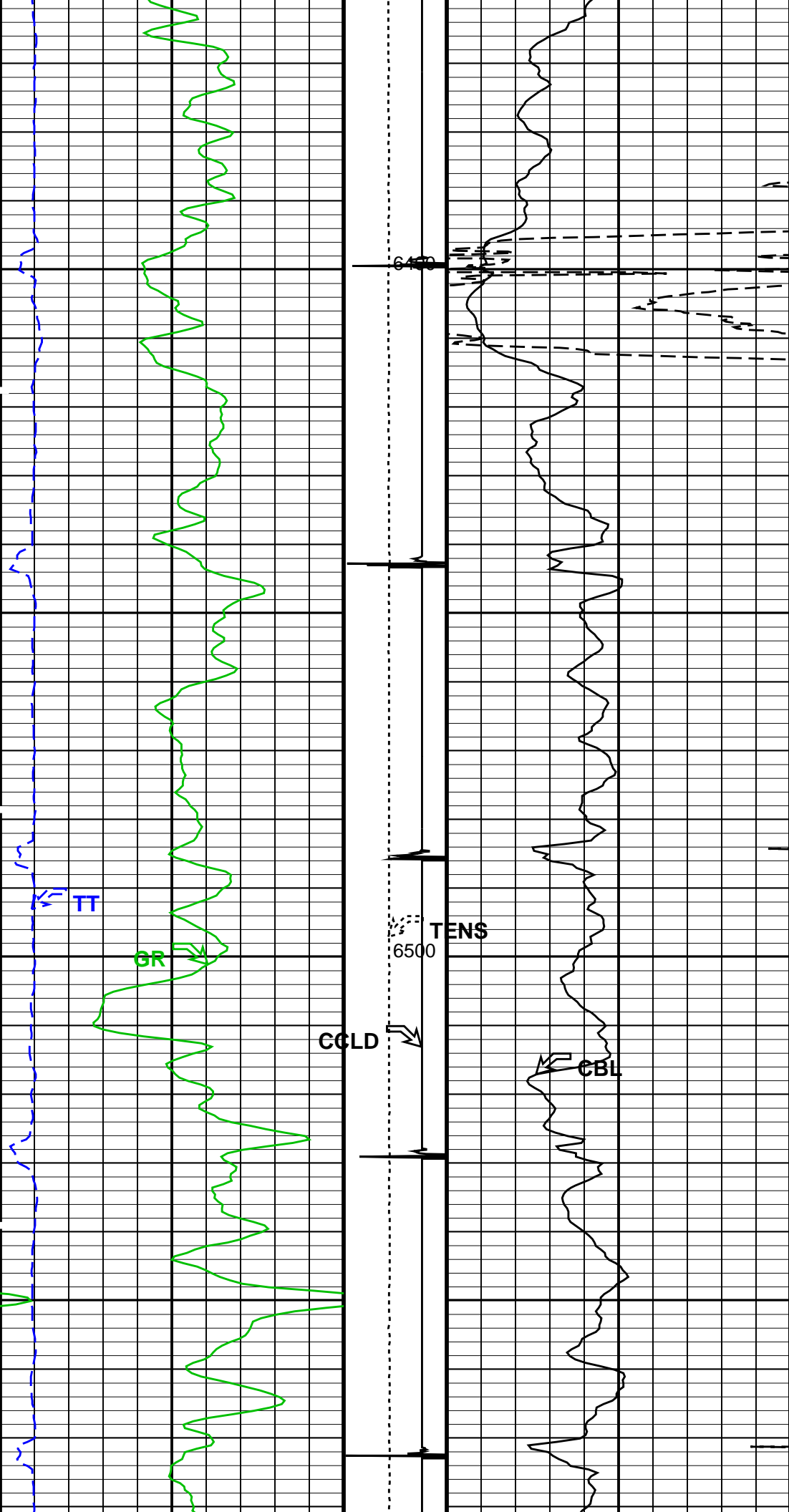


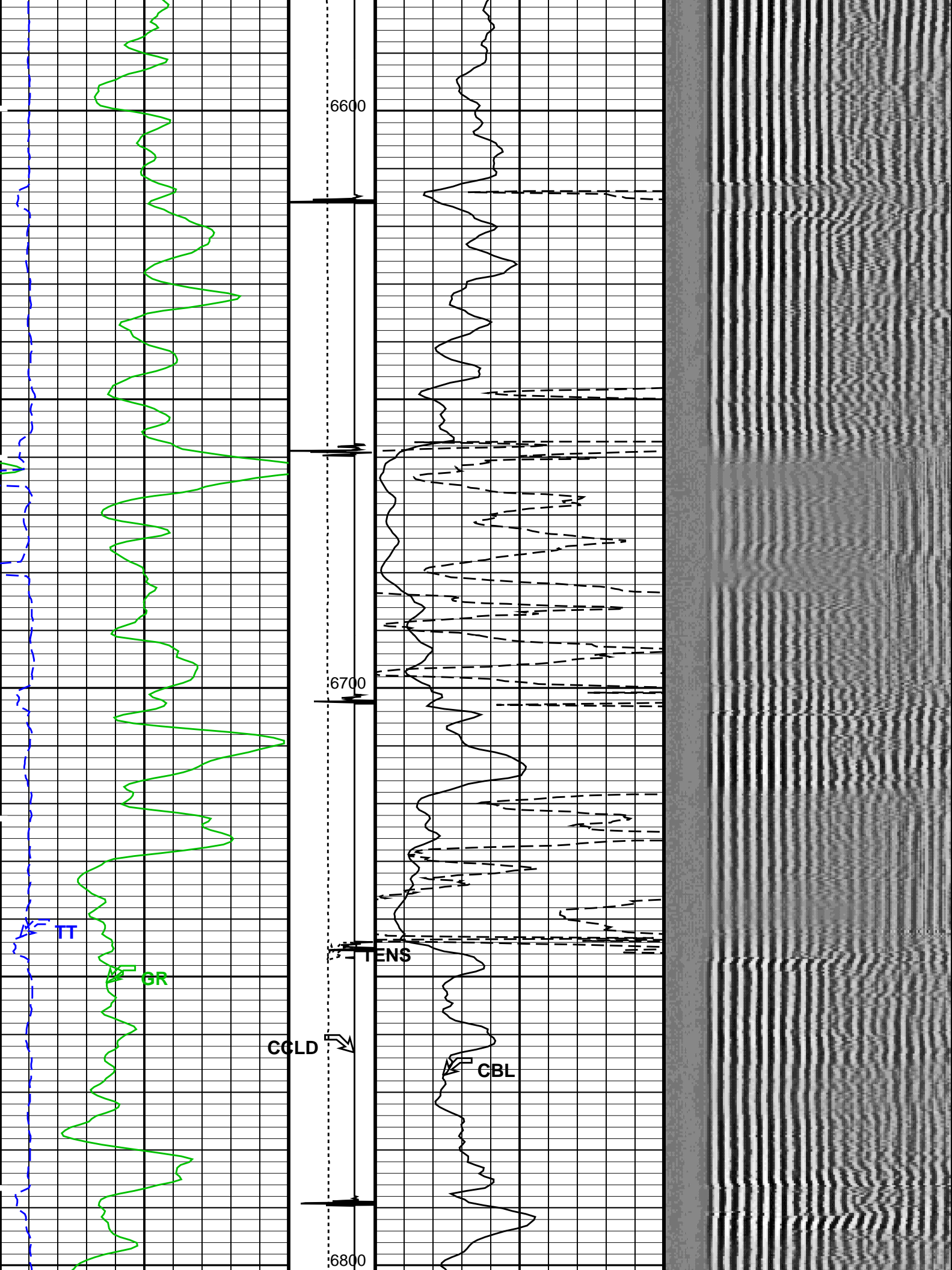


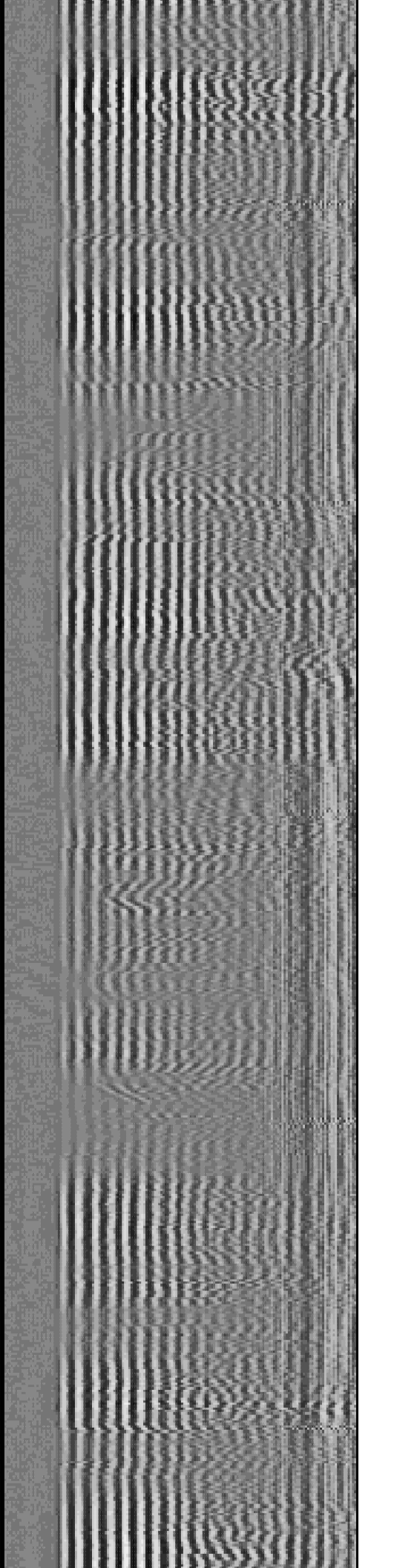
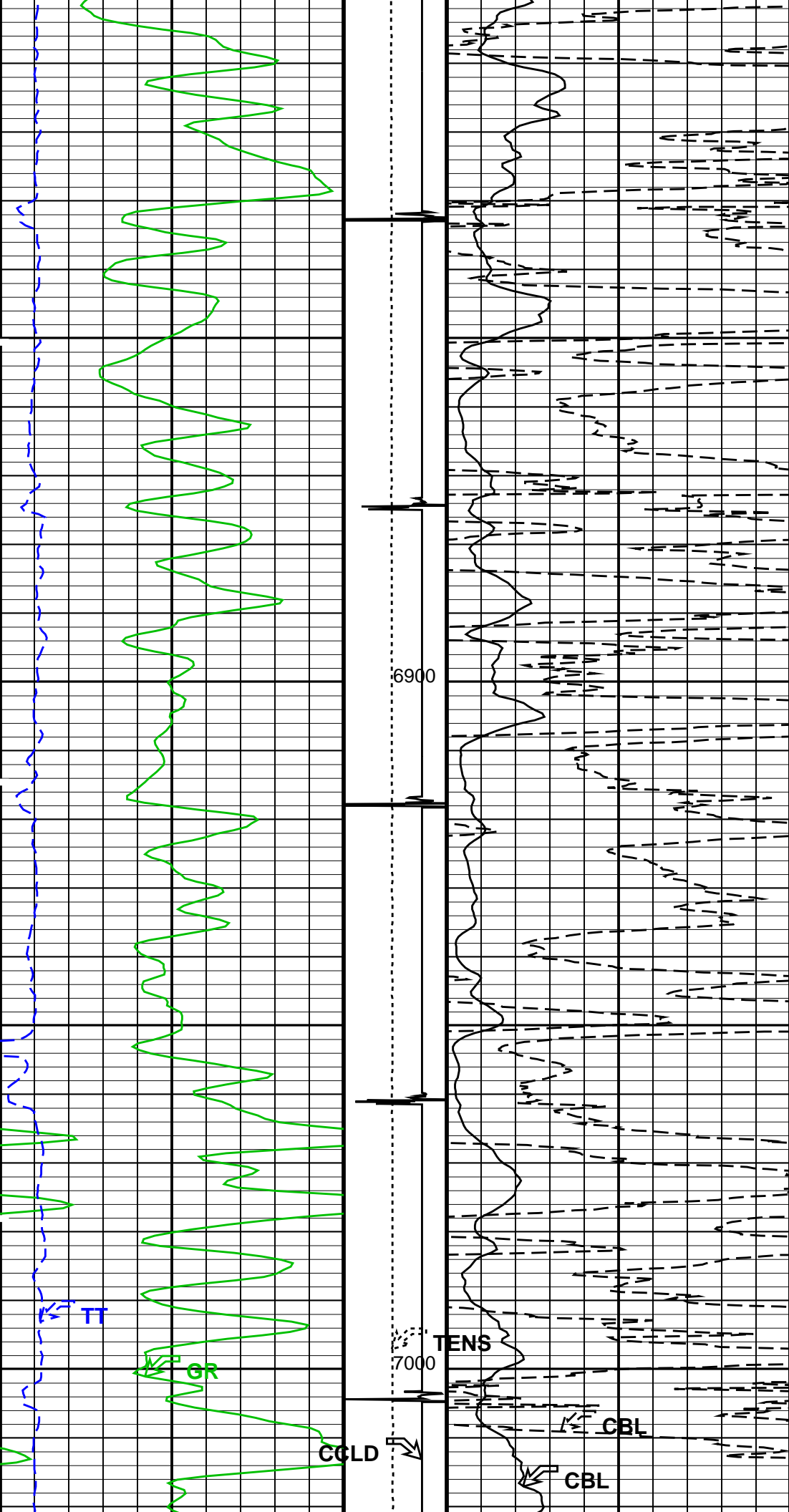


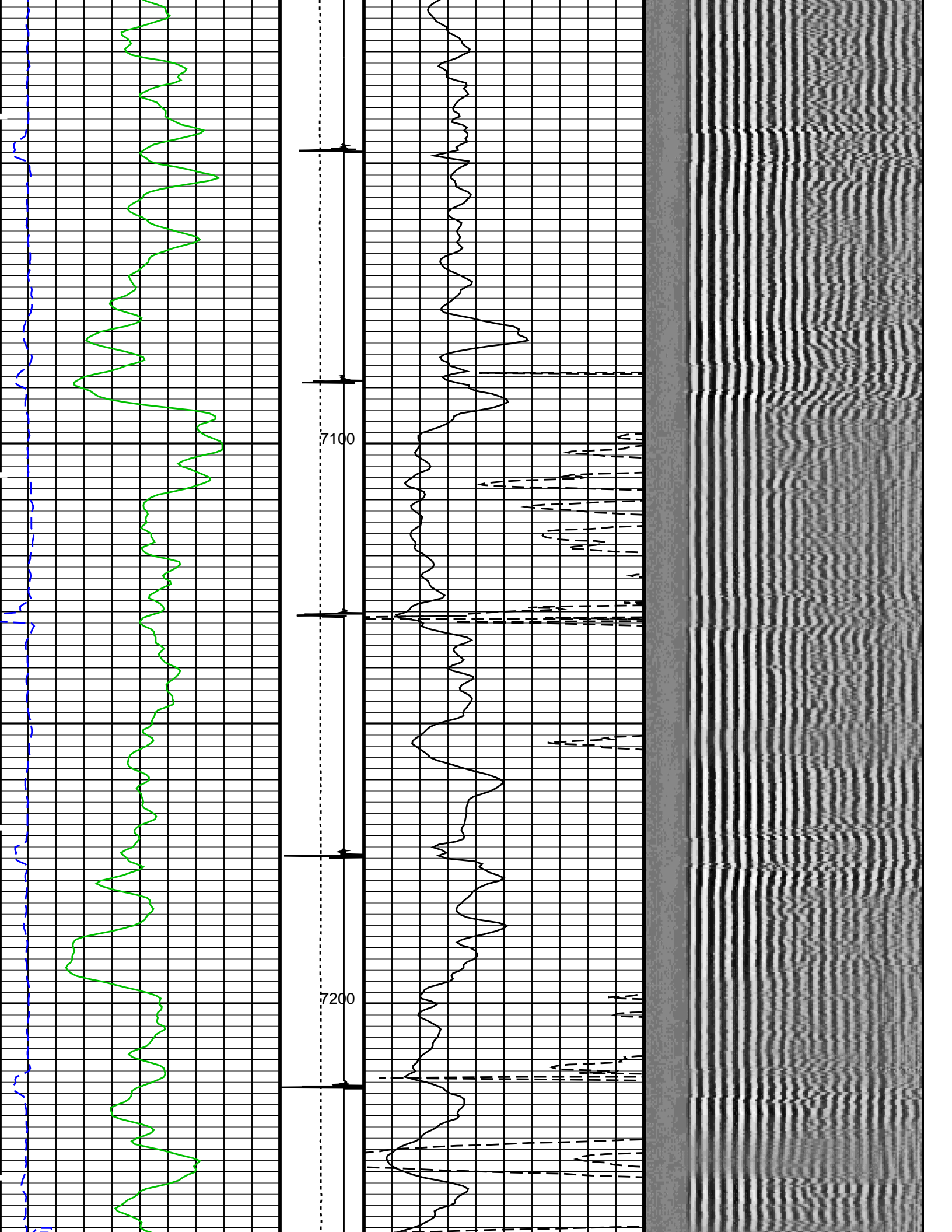


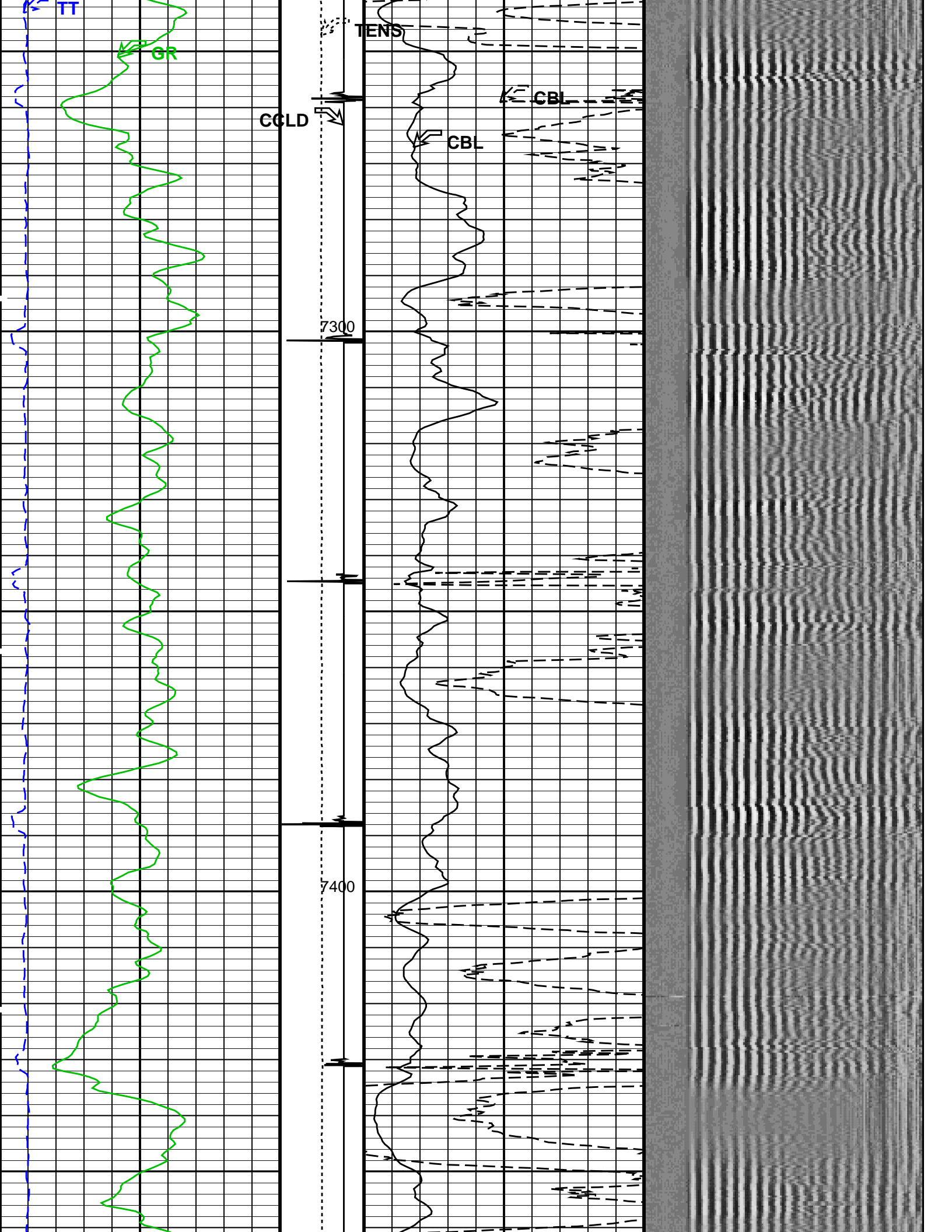


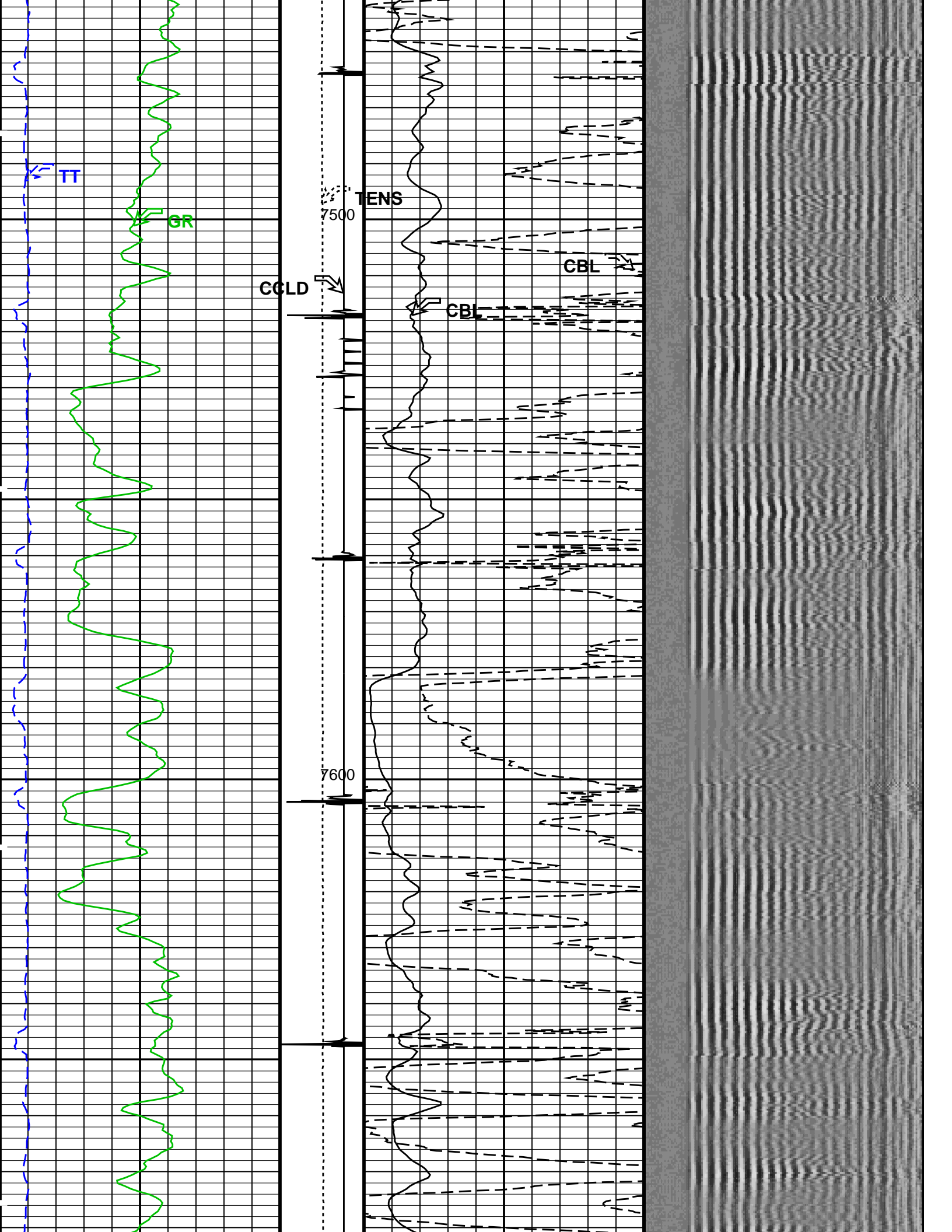


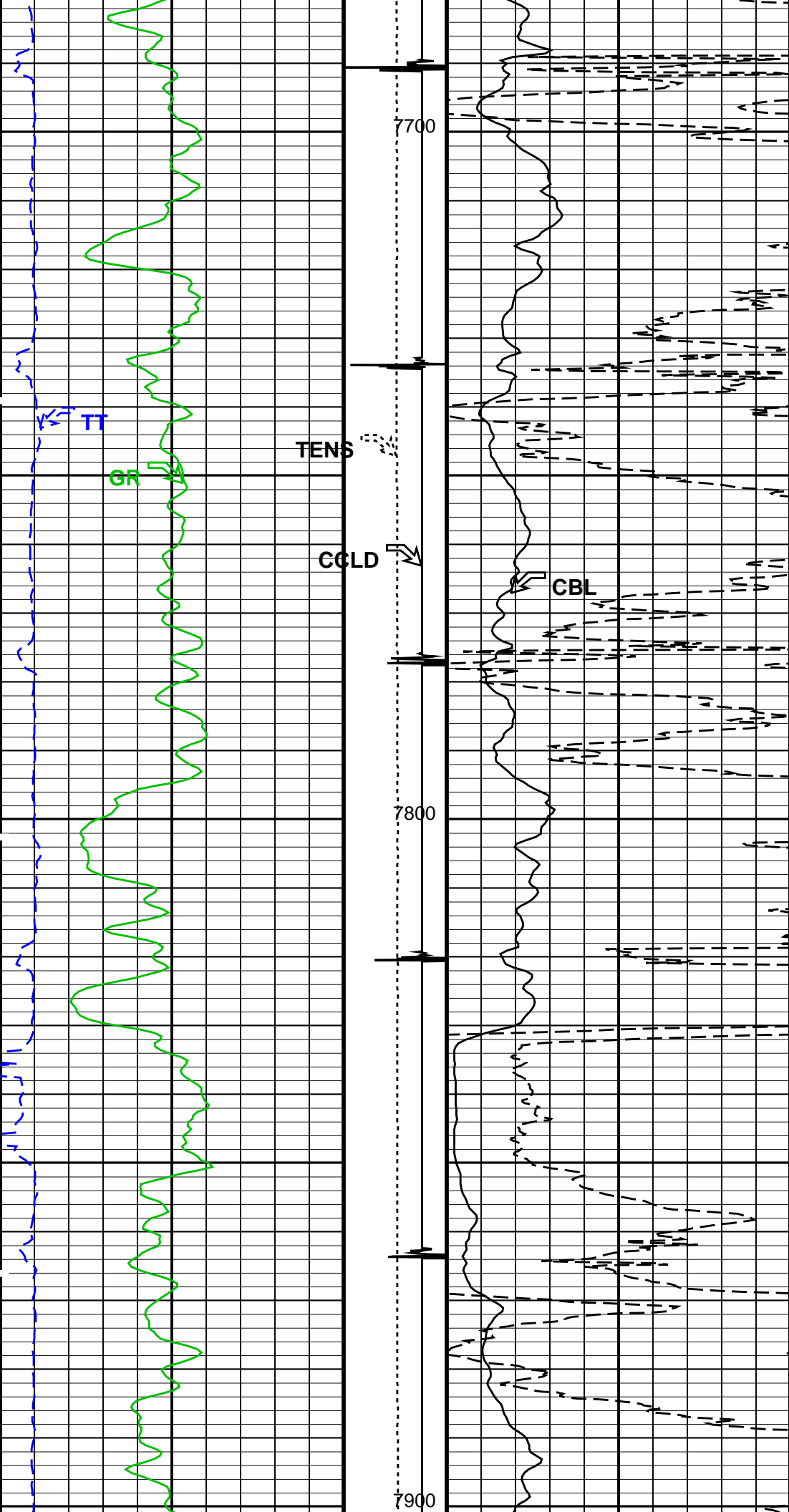


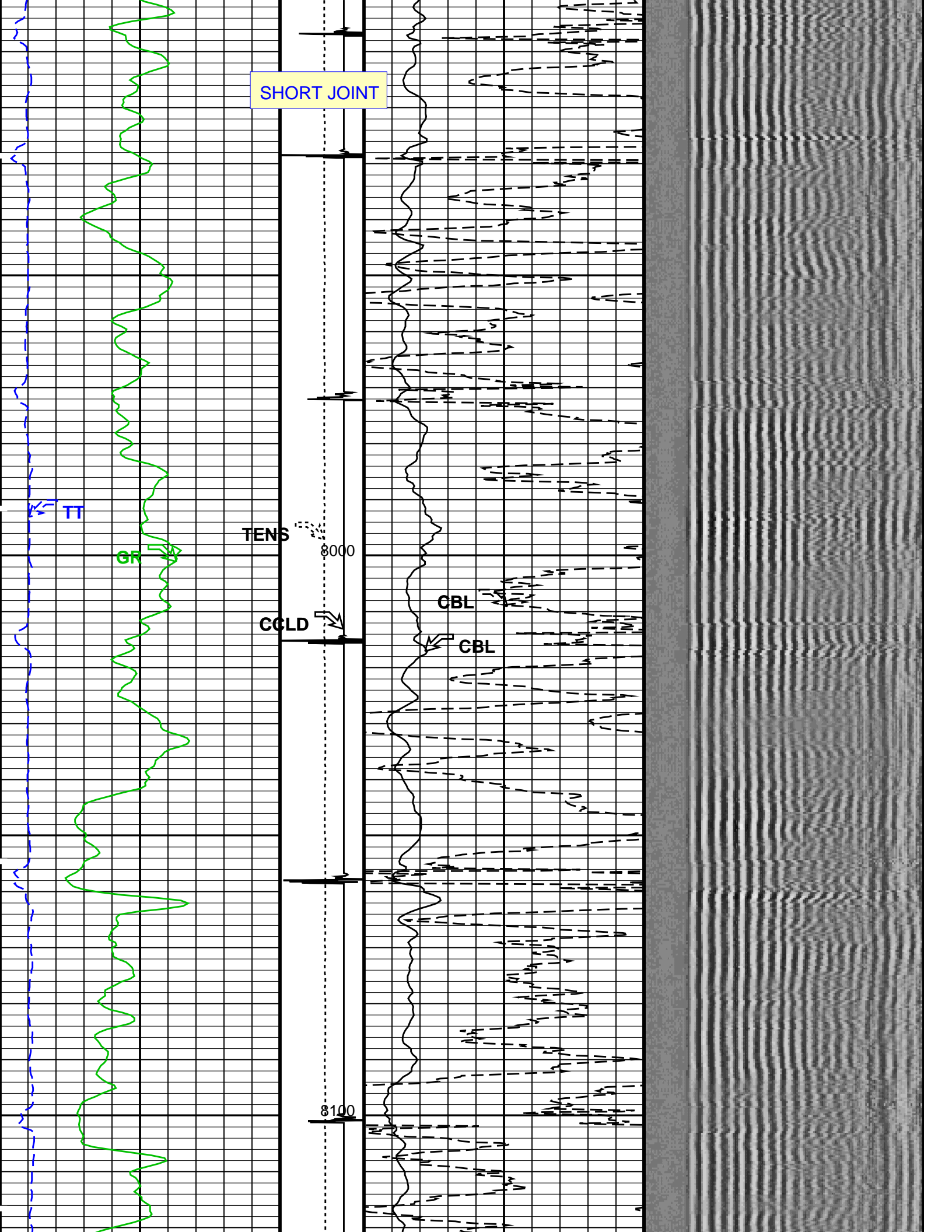


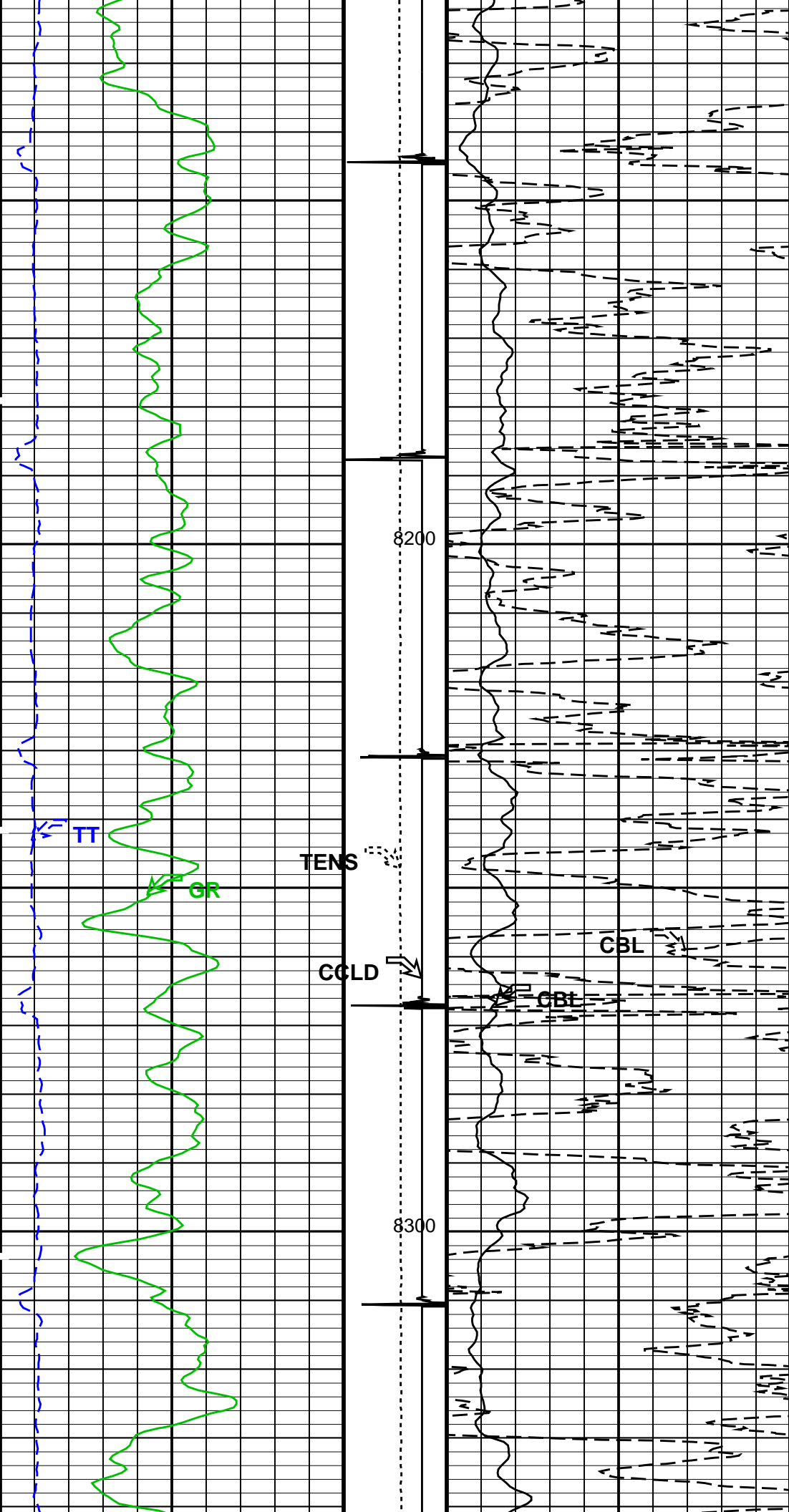


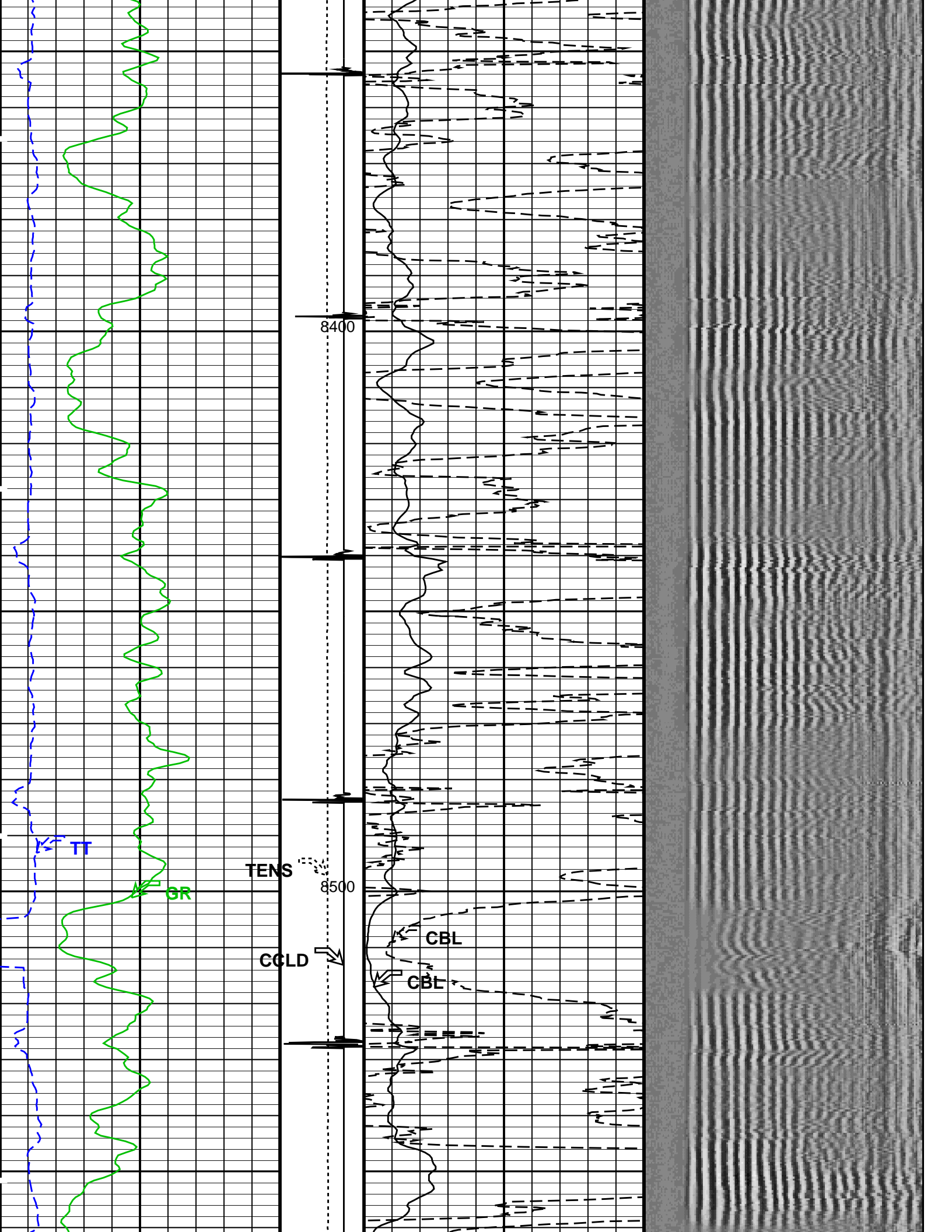


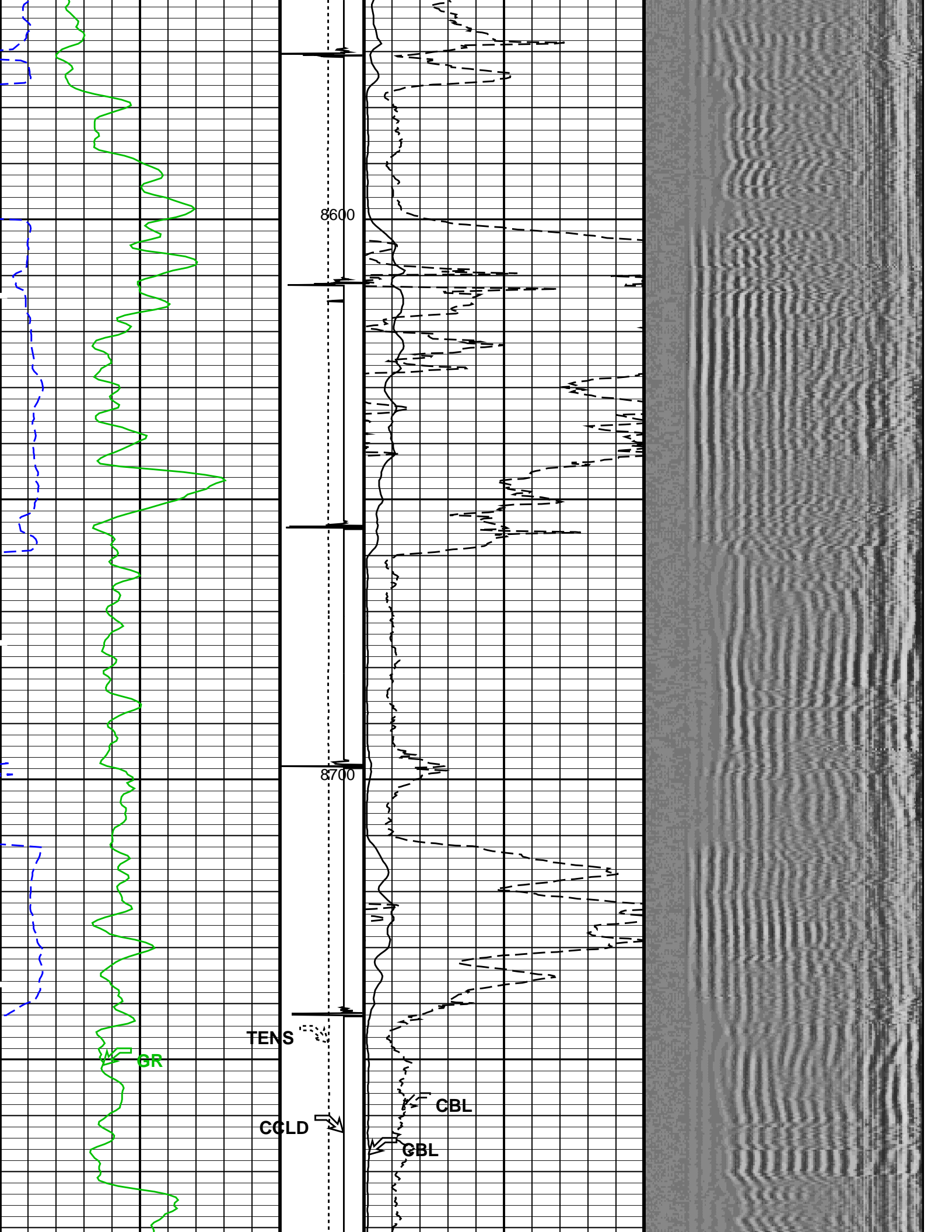


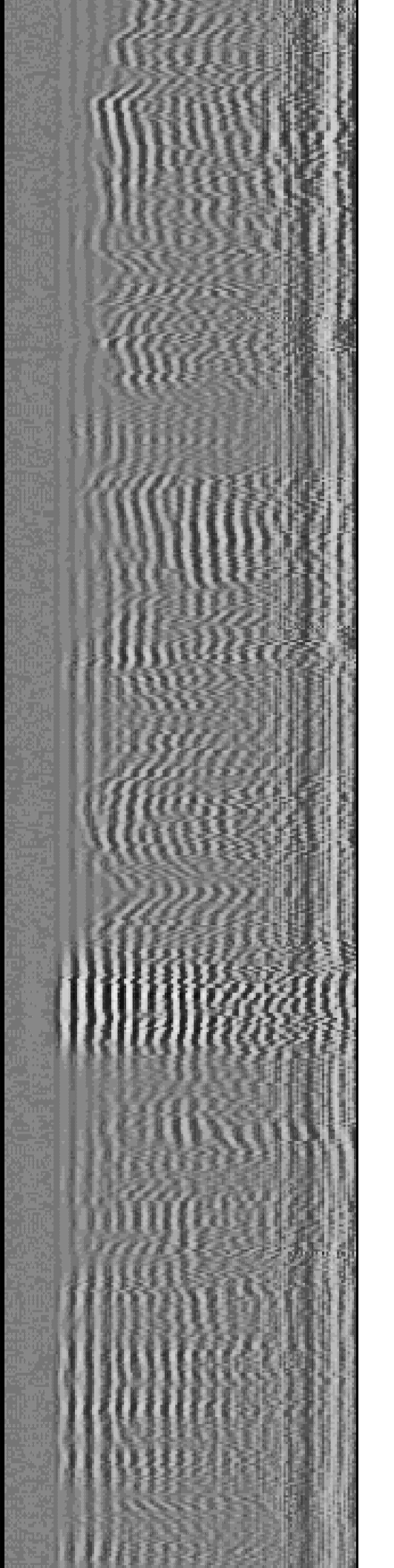
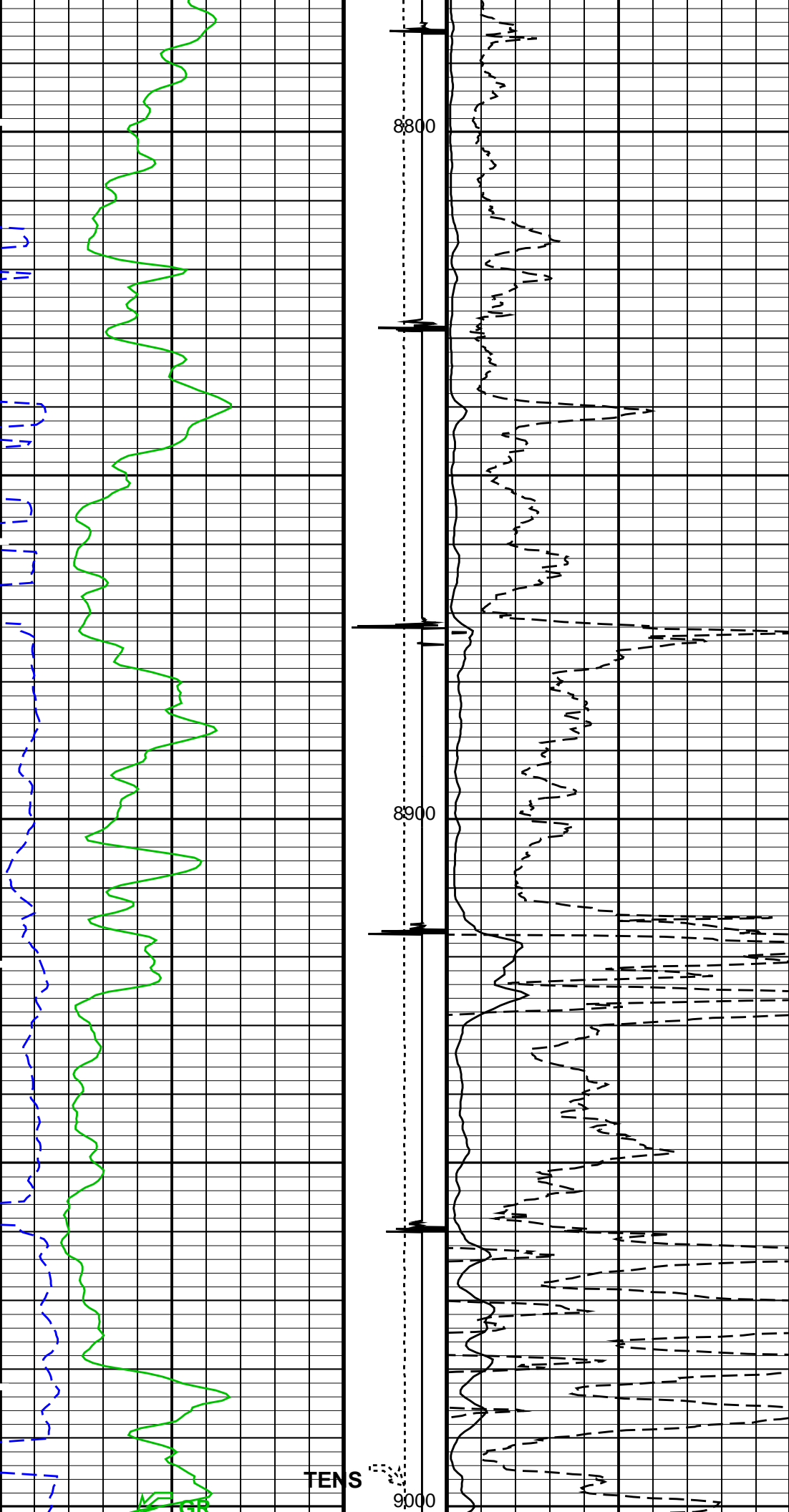


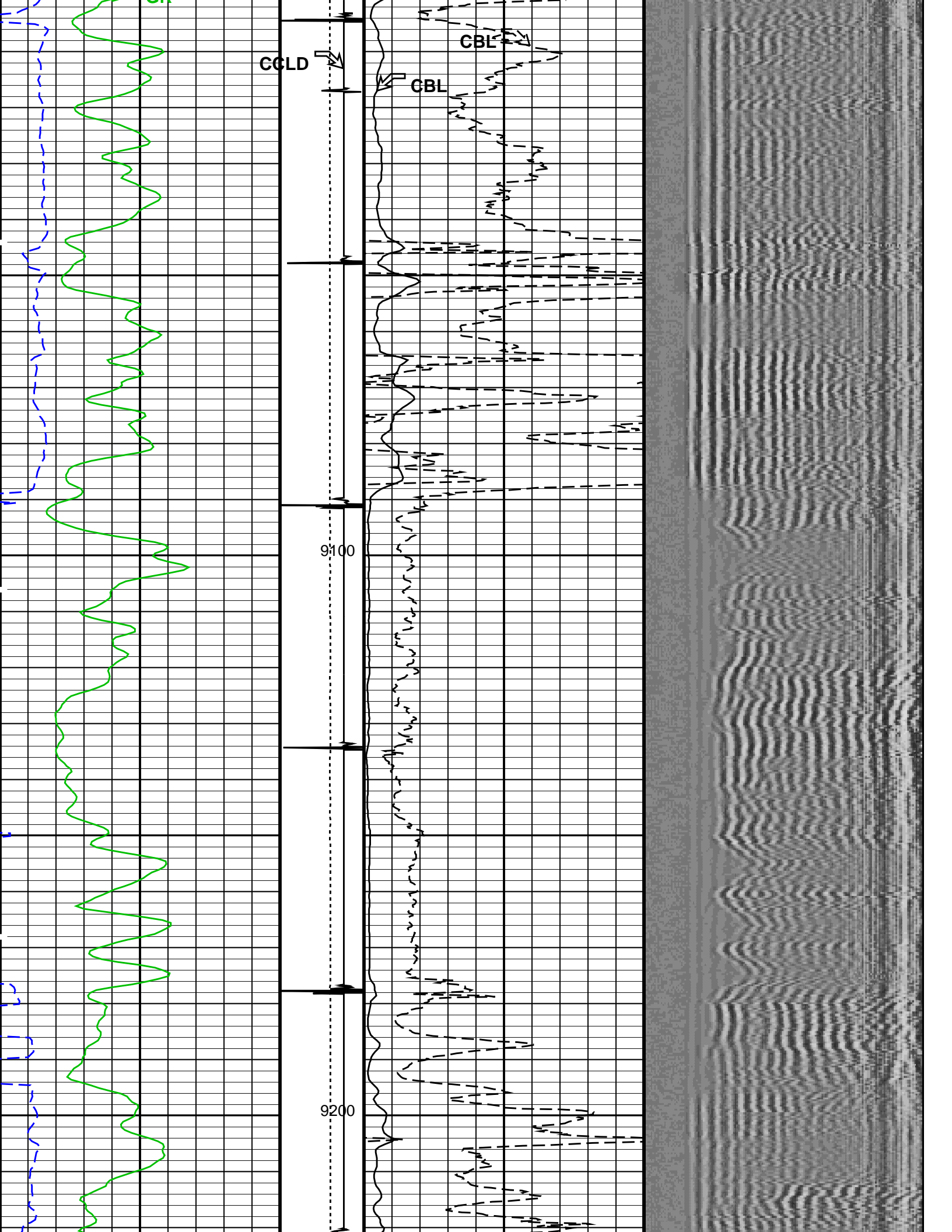


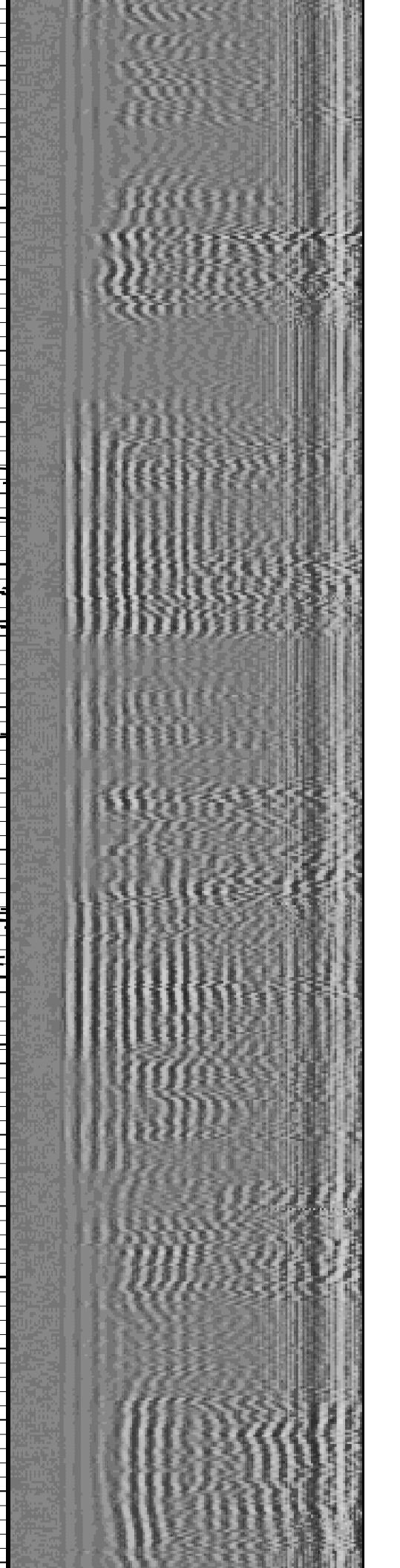
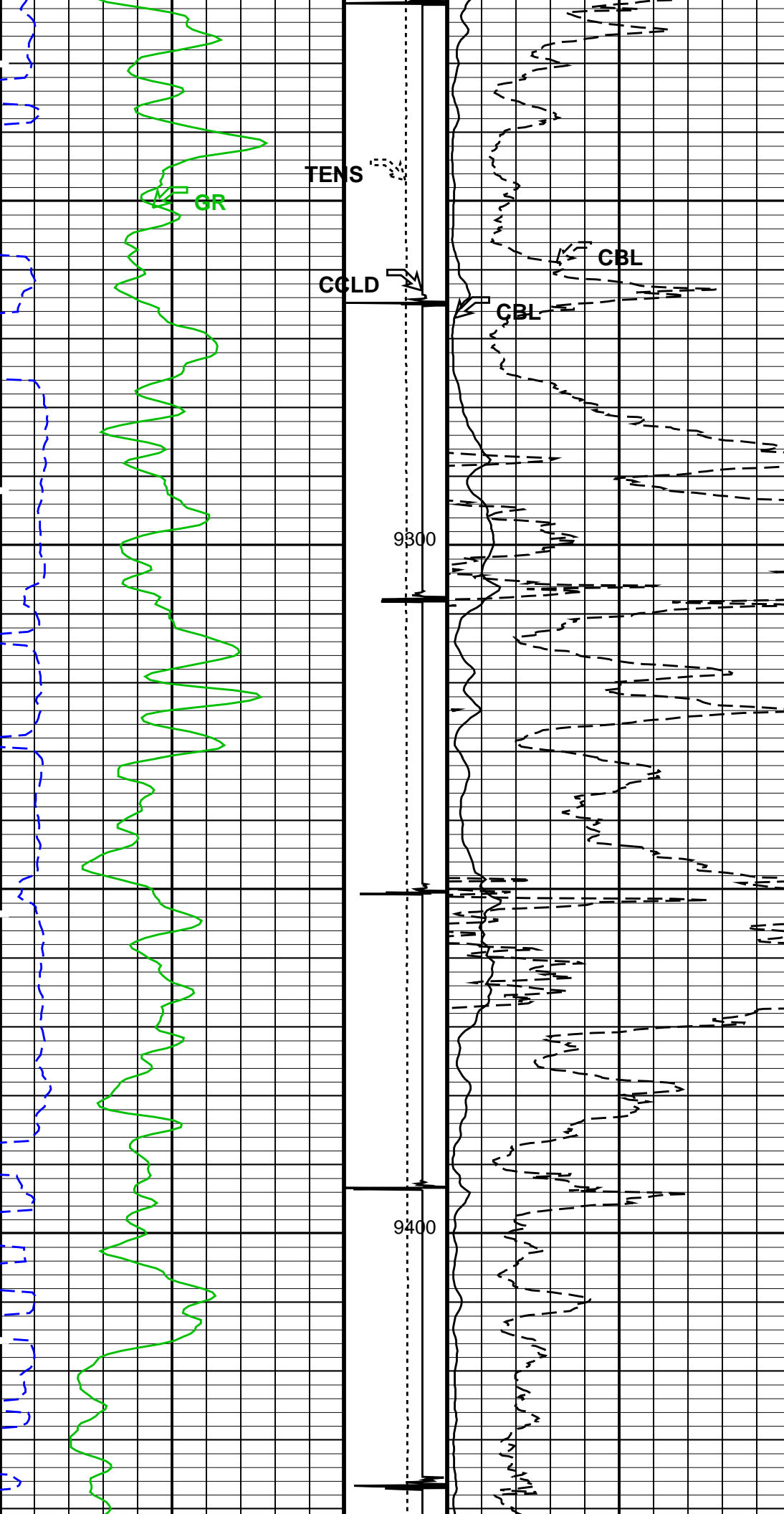


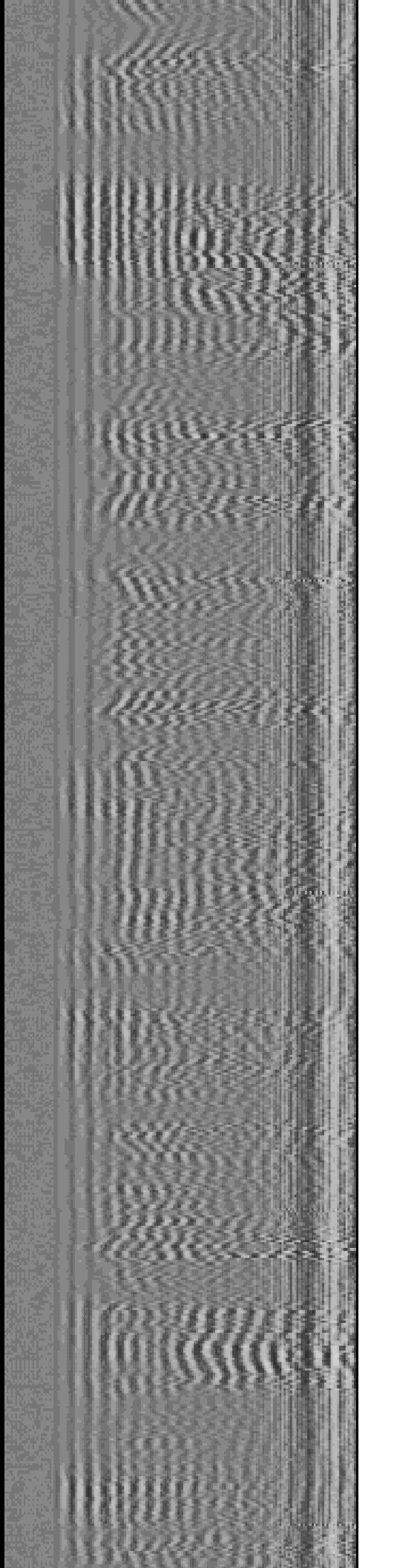
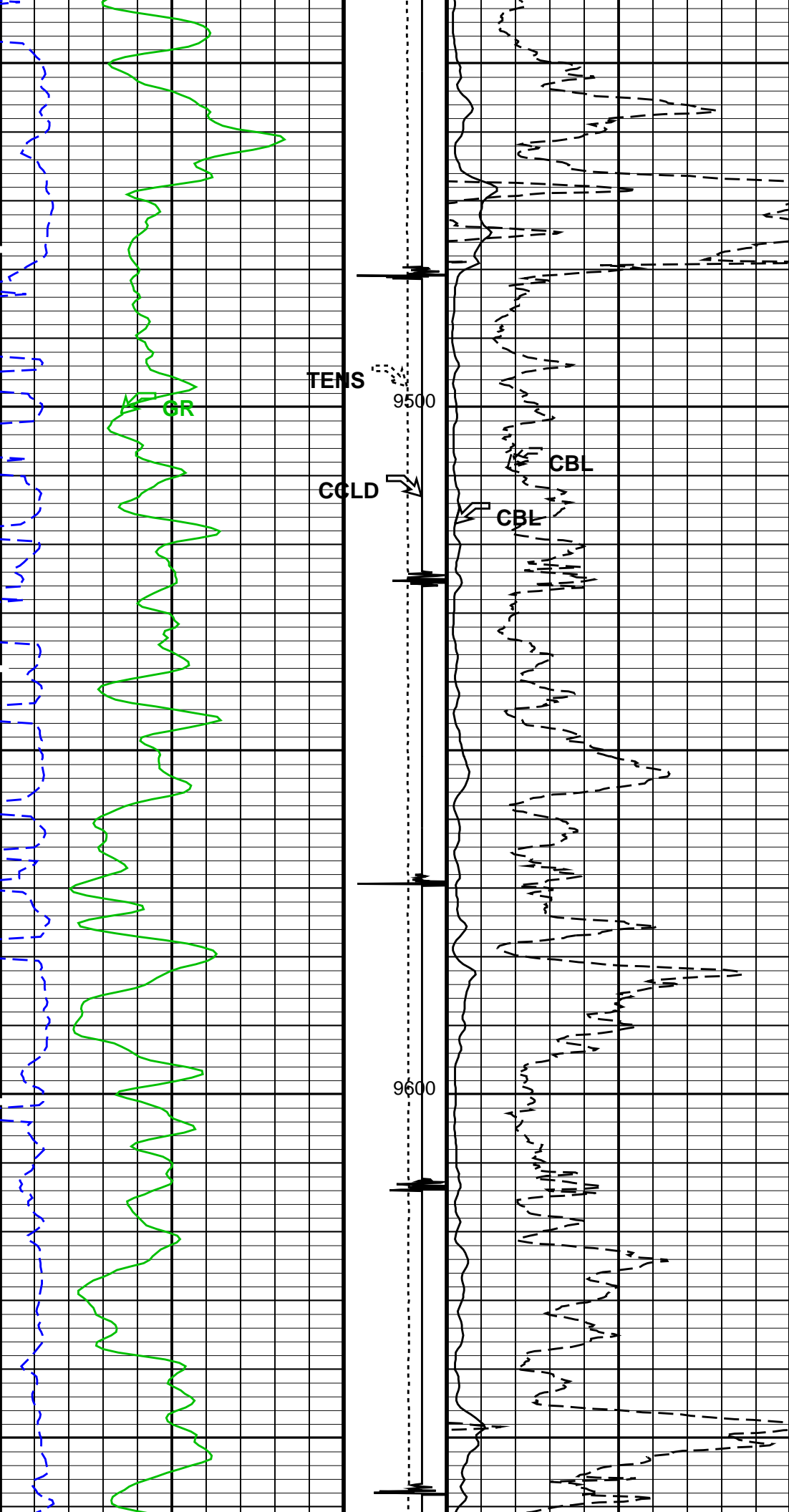


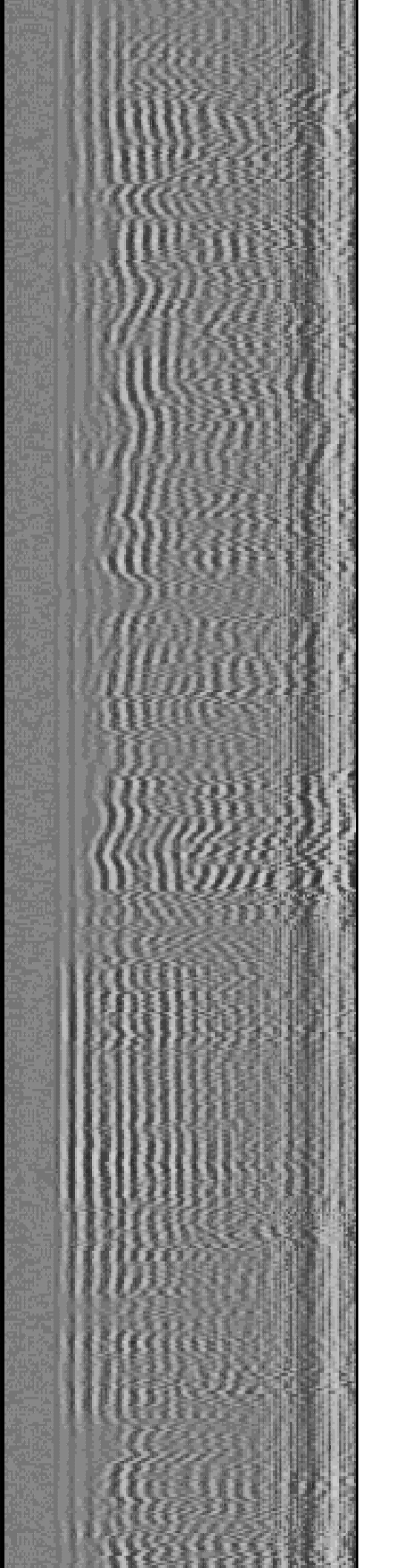
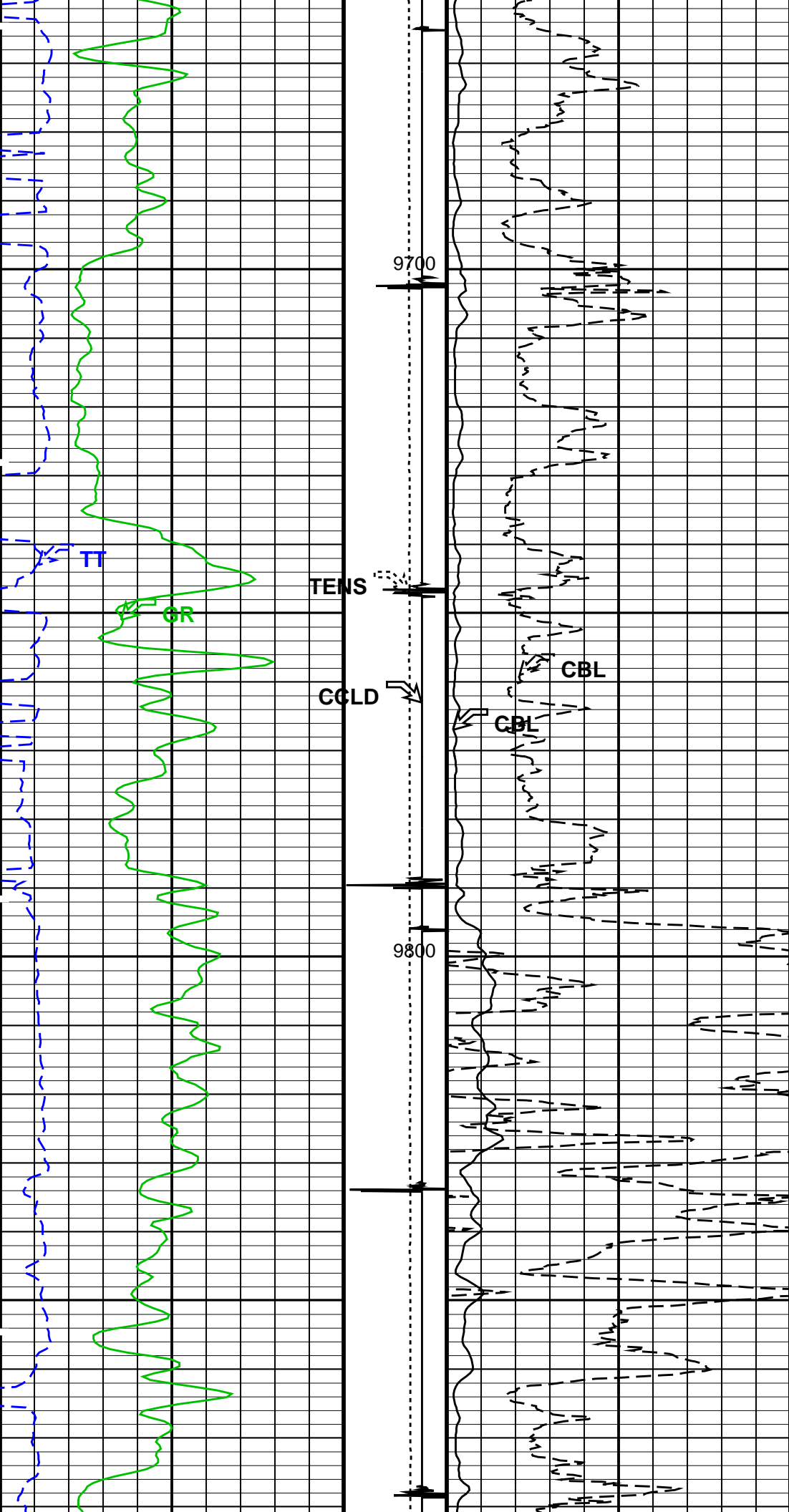


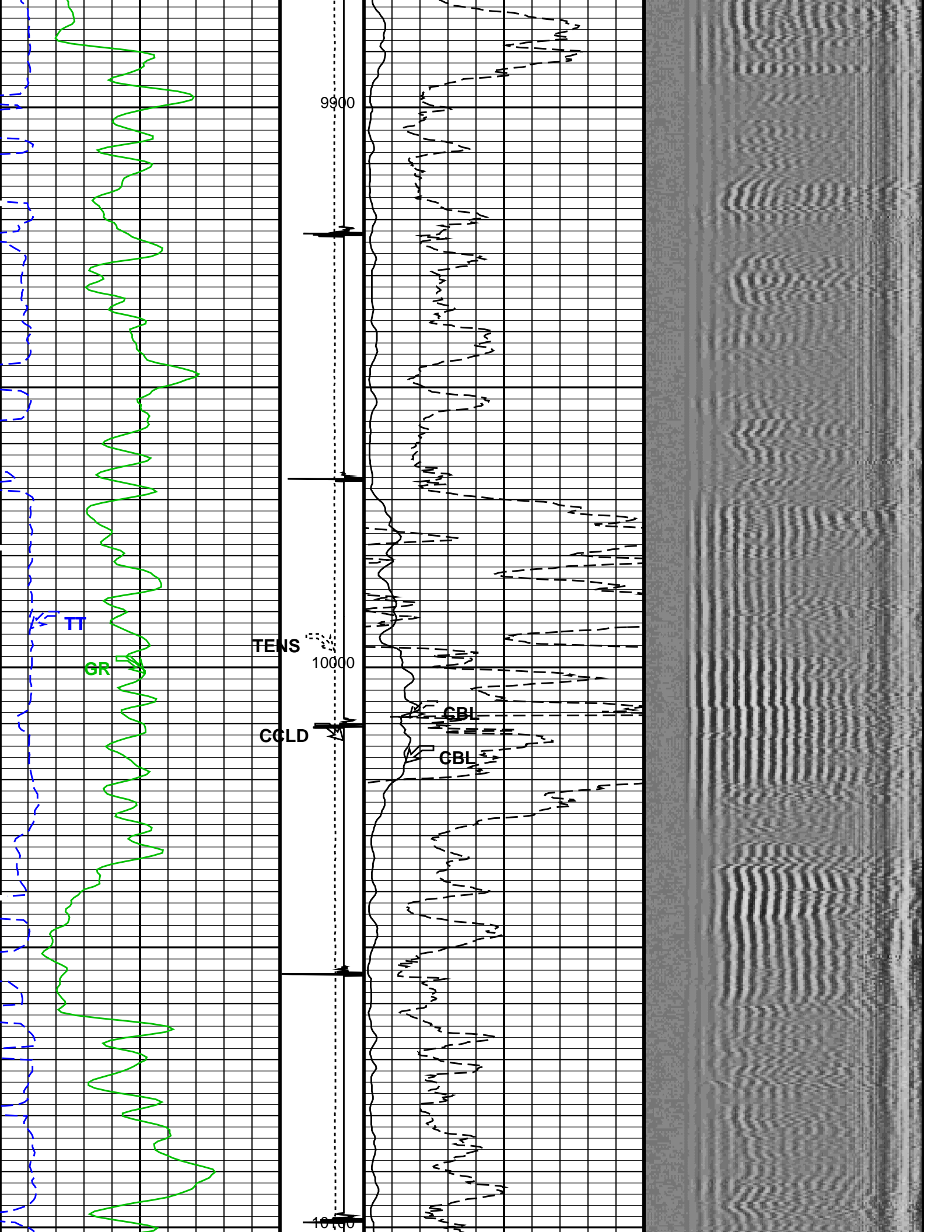


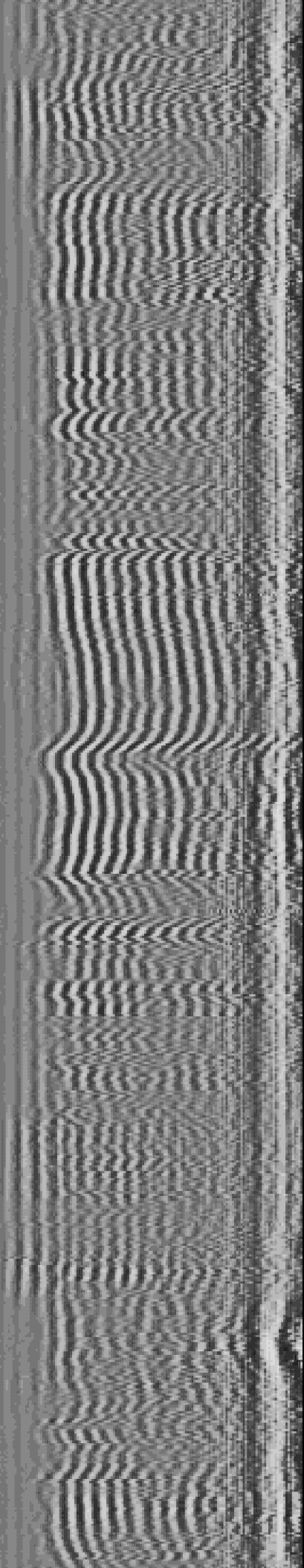
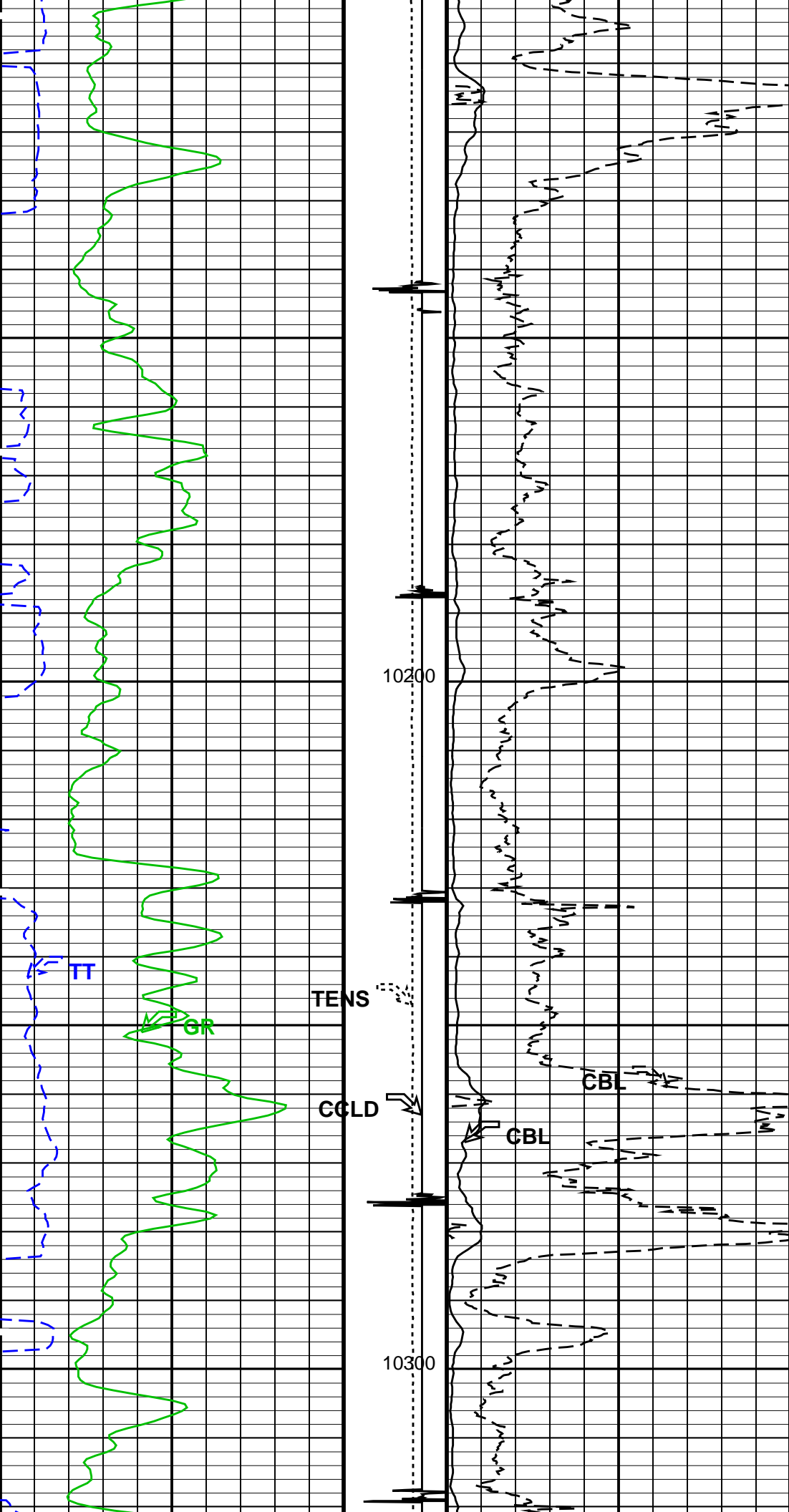


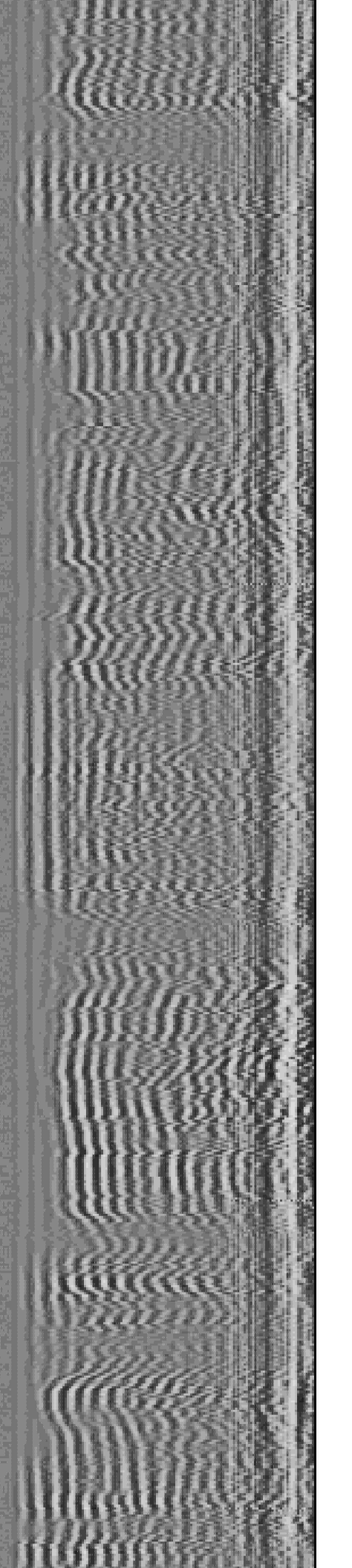
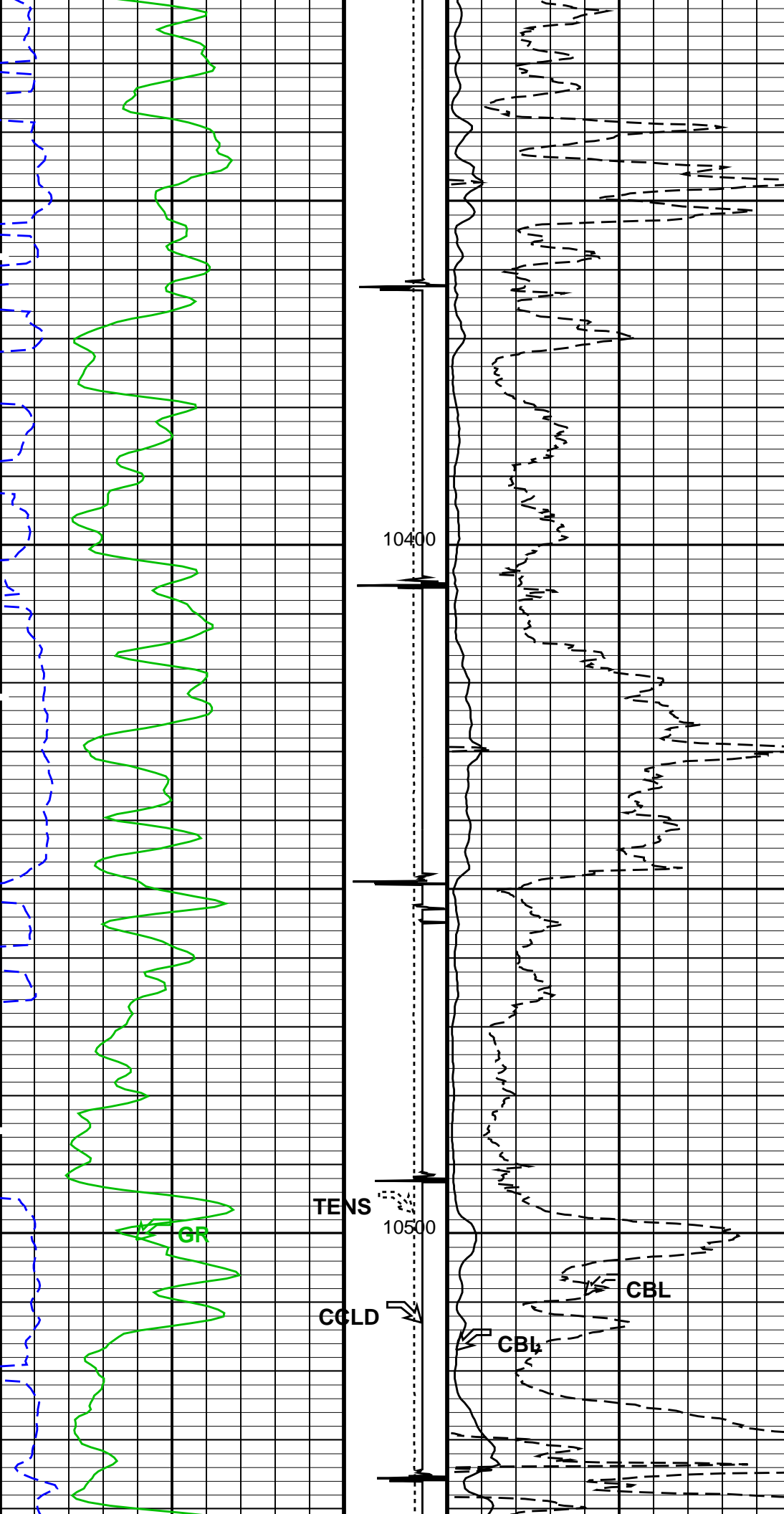


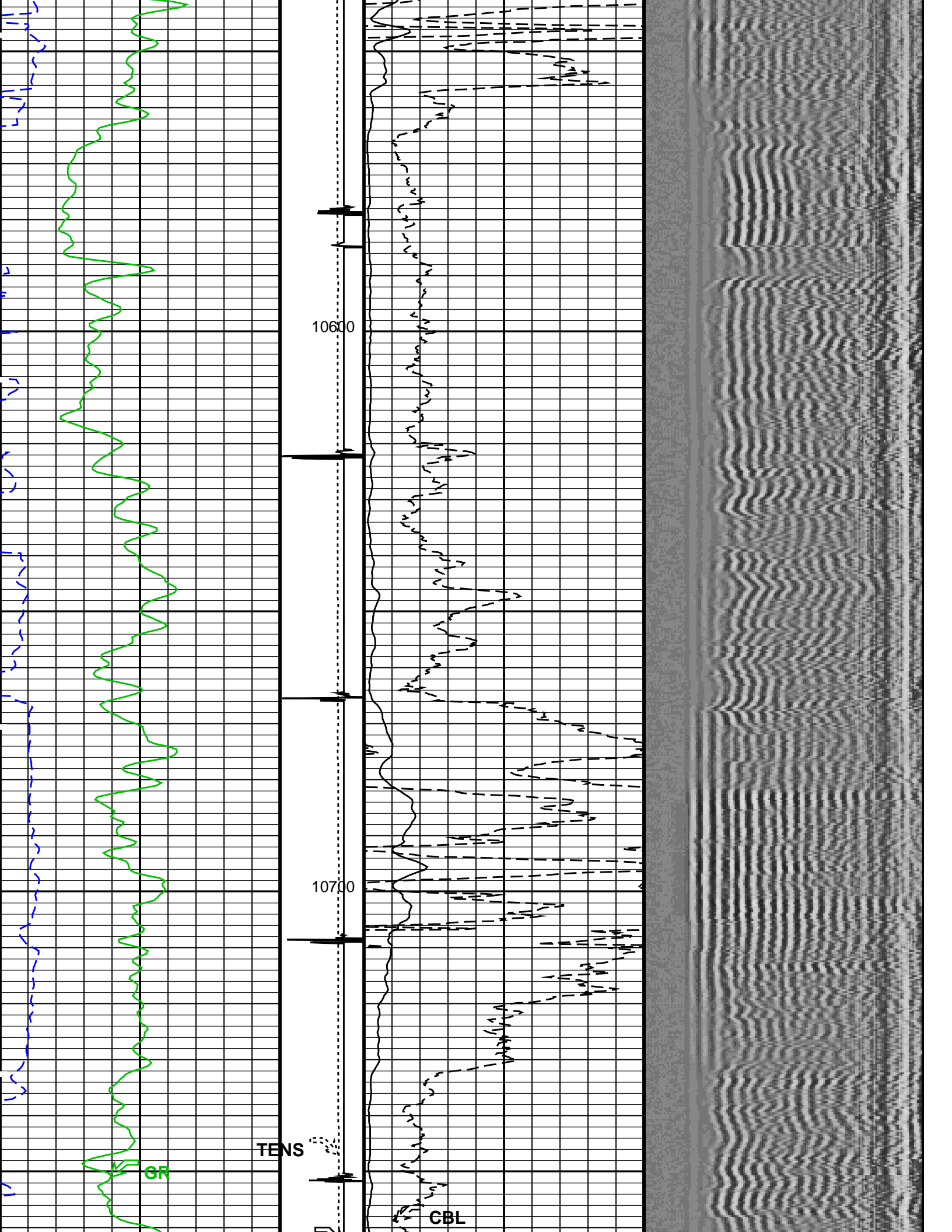


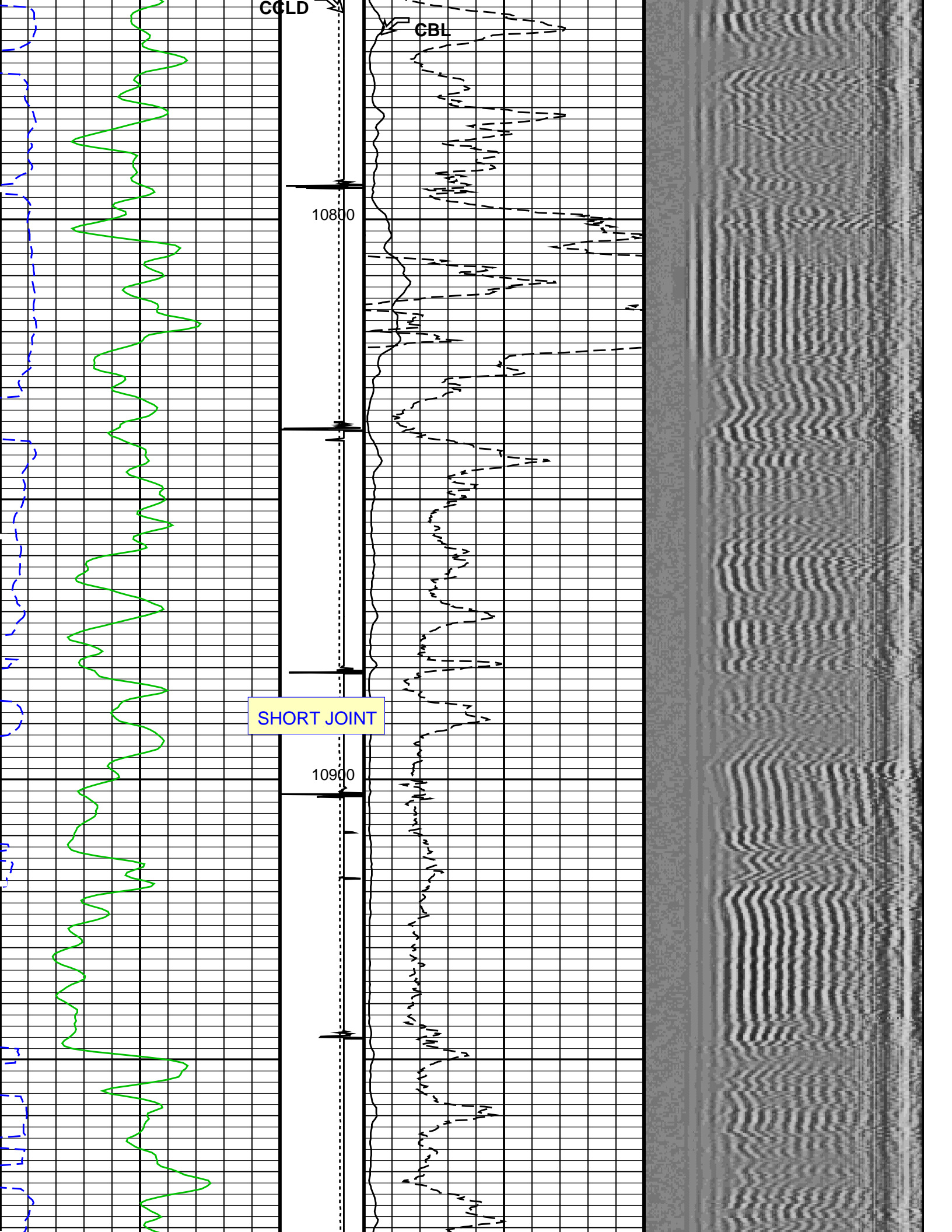


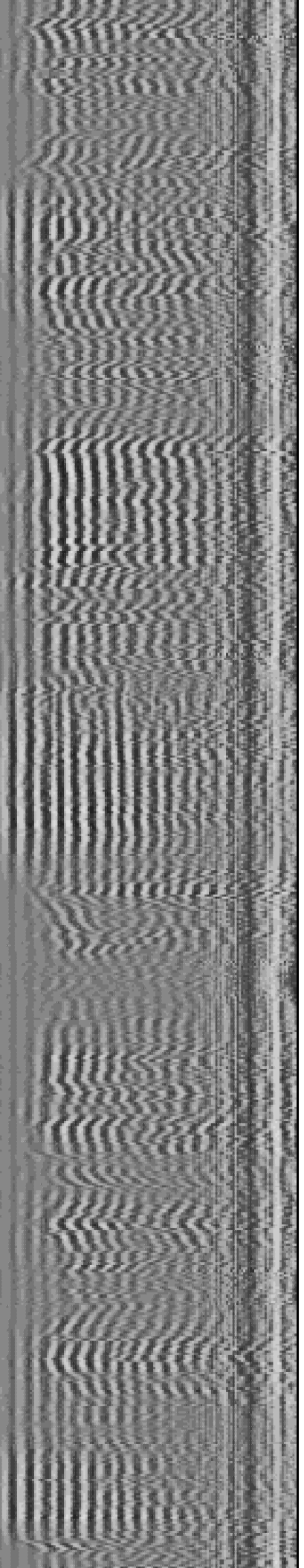
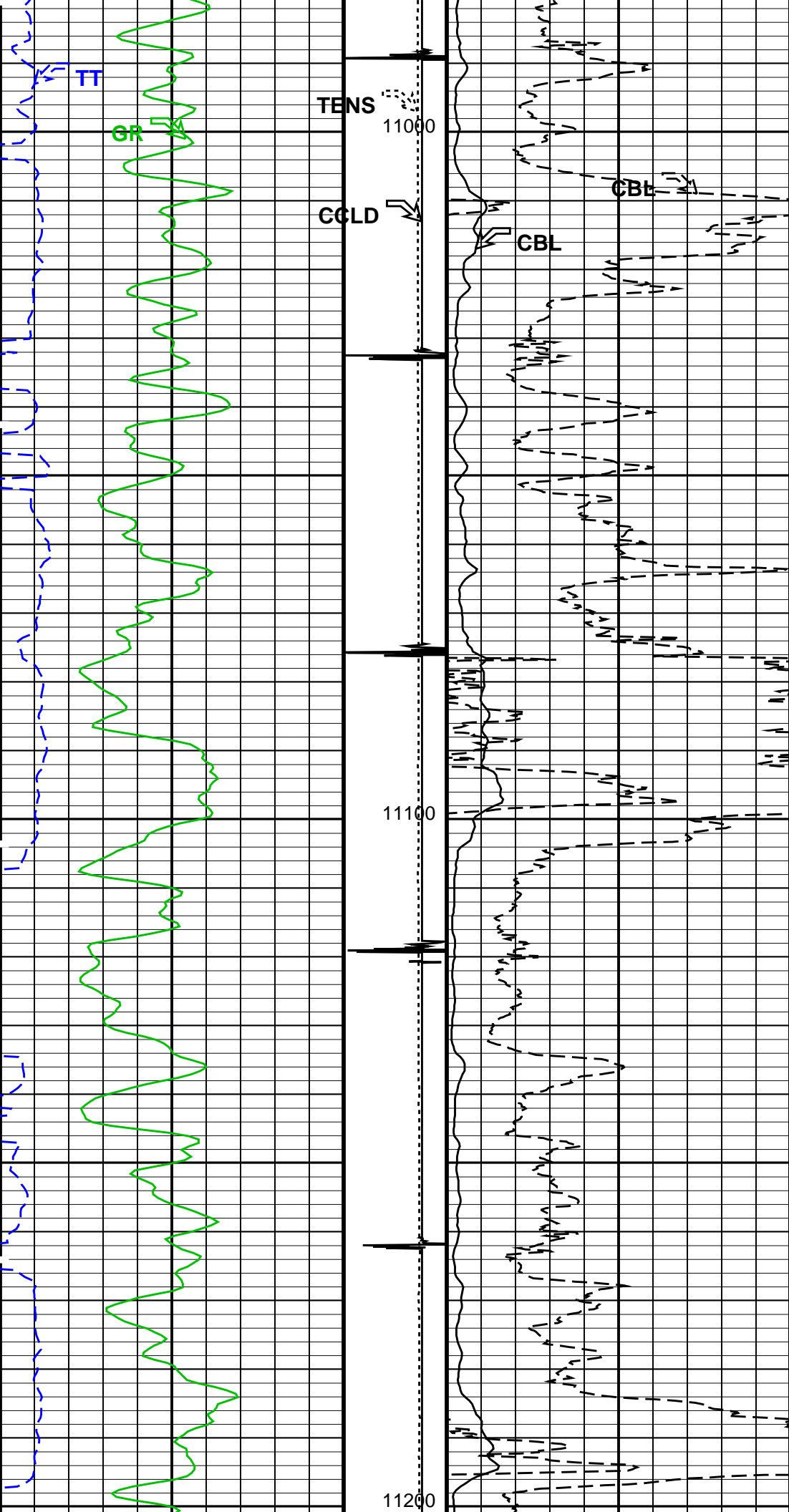


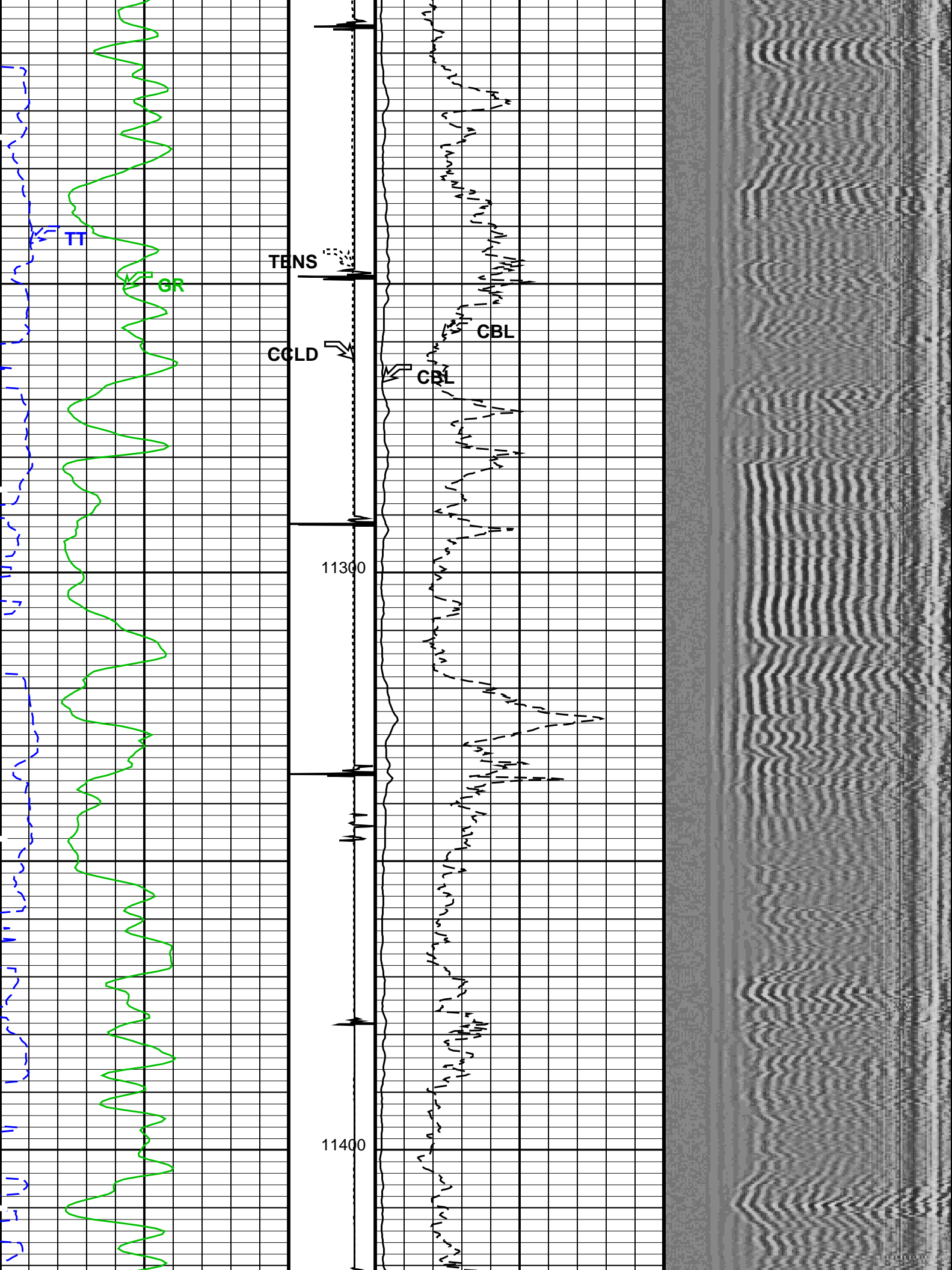


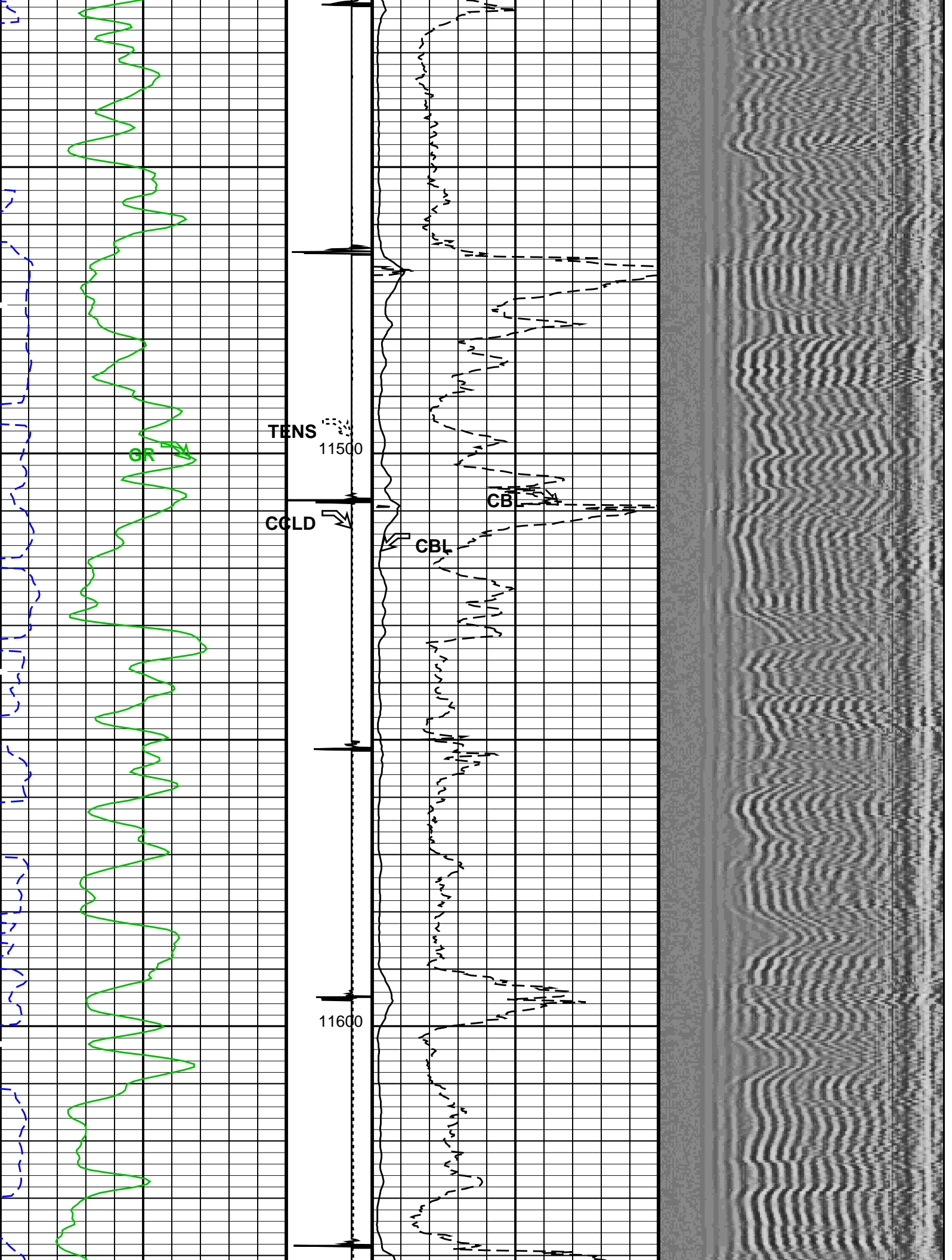


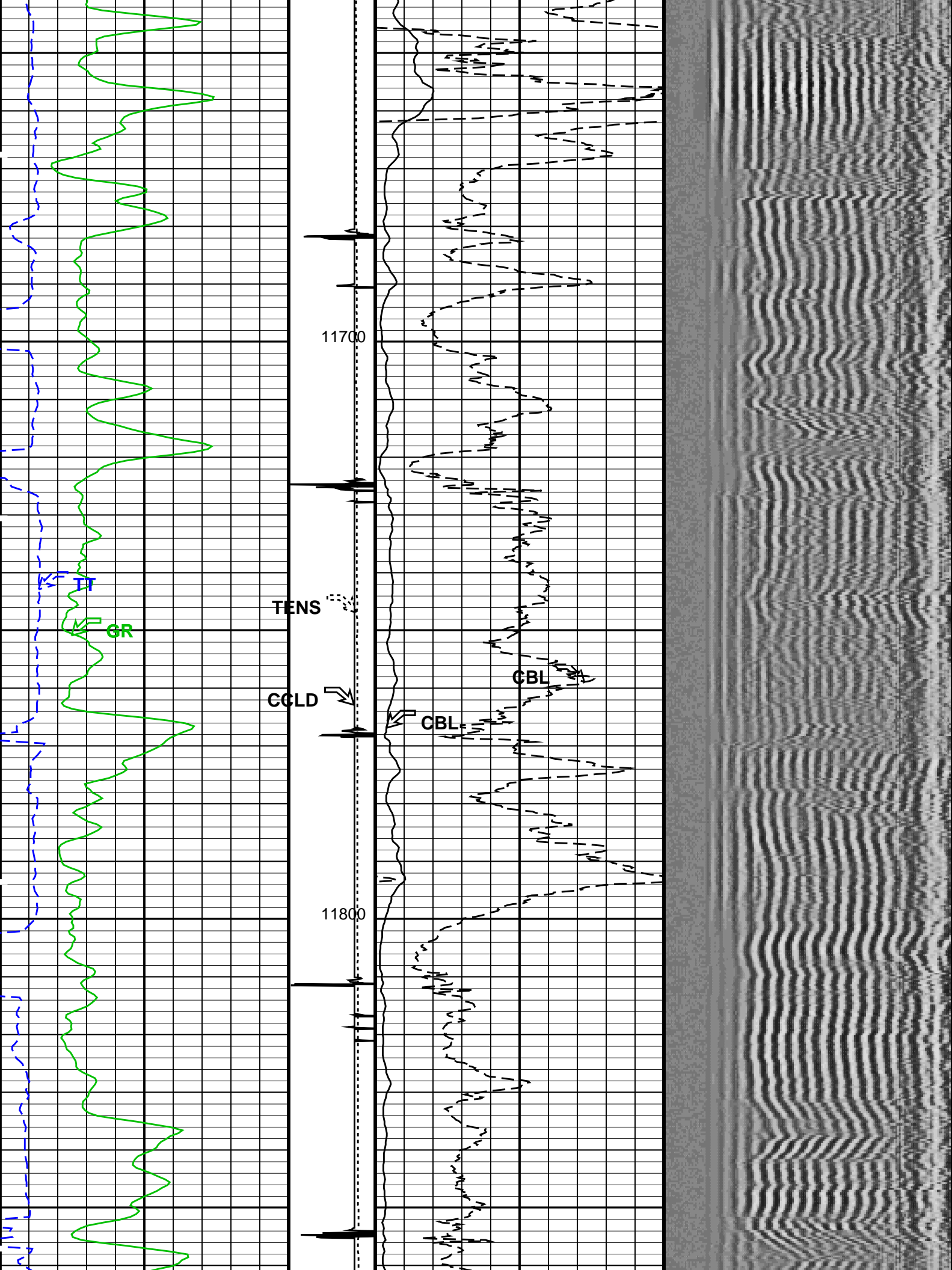


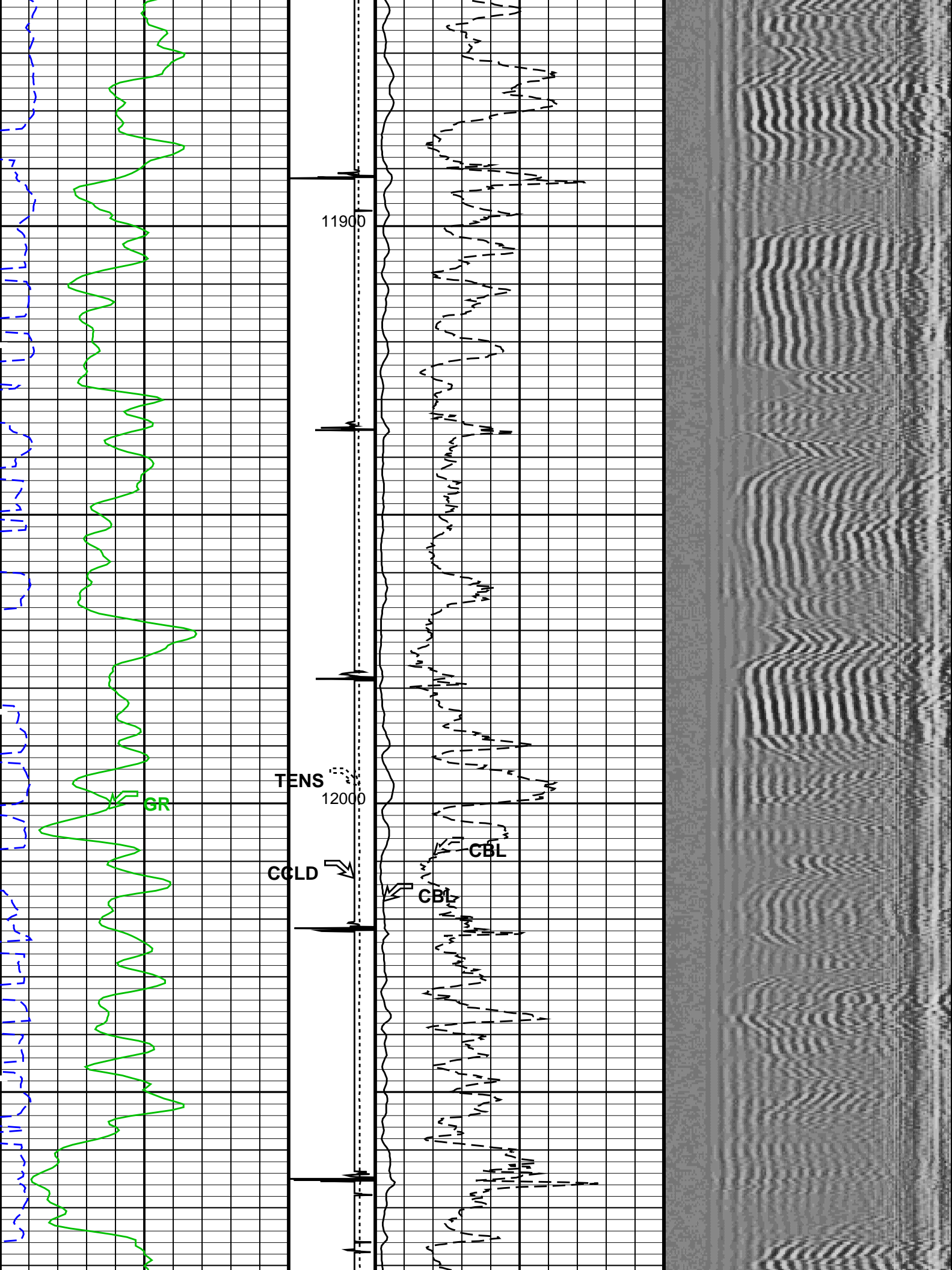


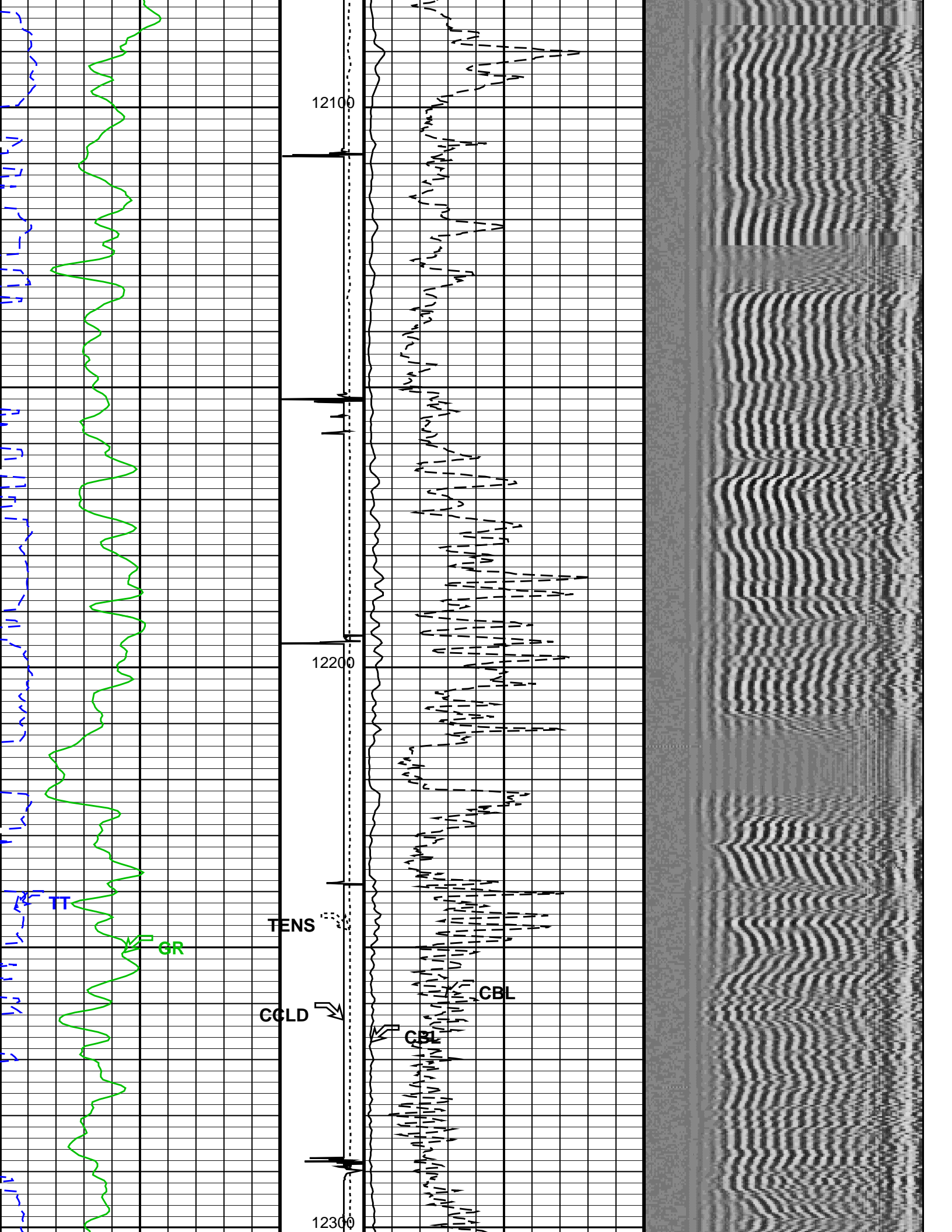


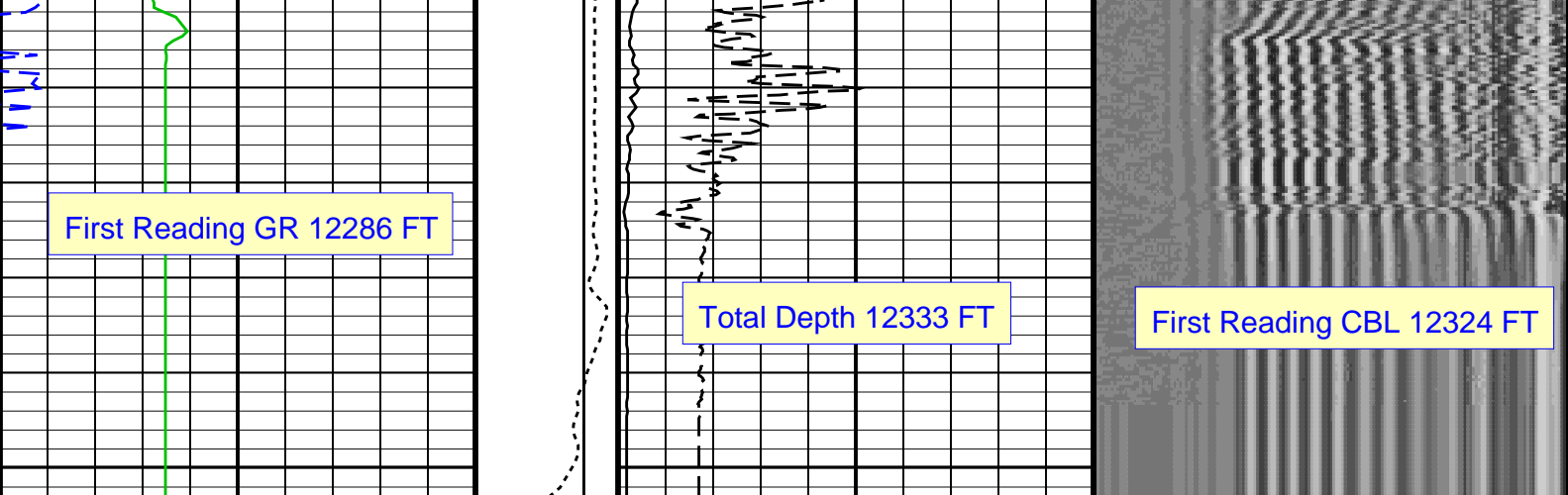












Gamma Ray (GR) (GAPI)	Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	Min 200	Amplitude Max	1200
0 150	0 2000	0 100	200	1200	1200
Transit Time (TT) (US)	Discriminat ed CCL (CCLD) (V)	CBL Amplitude (CBL) (MV)	VDL VariableDensity (VDL) (US)		
260 160	3 -1	0 10			

PIP SUMMARY

Time Mark Every 60 S

Format: CBL_VDL Vertical Scale: 5" per 100'

Graphics File Created: 11-Apr-2013 12:24

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 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)	1.0
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
BILI	SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD 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	
CMT C	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	9.0	FT
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	12333	FT

Input DLIS Files

DEFAULT	SCMT_RST_PSP_014LUP	FN:13	PRODUCER	11-Apr-2013 09:03	12344.0 FT	15.5 FT
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Output DLIS Files

DEFAULT	SCMT_RST_PSP_018PUP	FN:17	PRODUCER	11-Apr-2013 12:24
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REPEAT ANALYSIS CBL VDL

MAXIS Field Log

Company: ENCANA OIL & GAS (USA) INC

Well: SG 8502E-35 (D36 496)

Input DLIS Files

DEFAULT	SCMT_RST_PSP_011LUP	FN:10	PRODUCER	11-Apr-2013 08:42	8094.5 FT	7755.5 FT
DEFAULT	SCMT_RST_PSP_018PUP	FN:17	PRODUCER	11-Apr-2013 12:24	12353.0 FT	-20.0 FT

Output DLIS Files

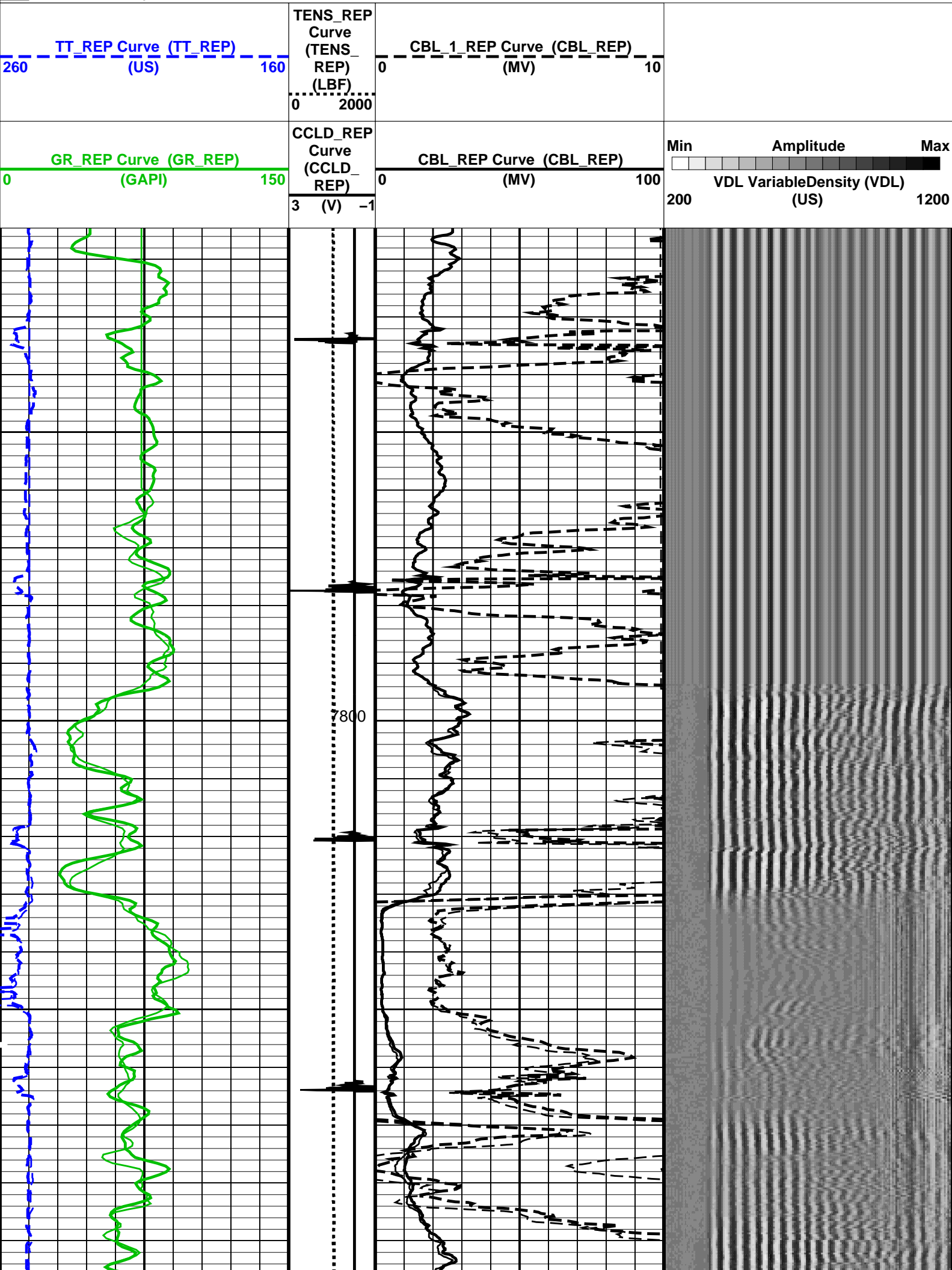
DEFAULT	SCMT_RST_PSP_019PUP	FN:18	PRODUCER	11-Apr-2013 12:33	8097.5 FT	7714.0 FT
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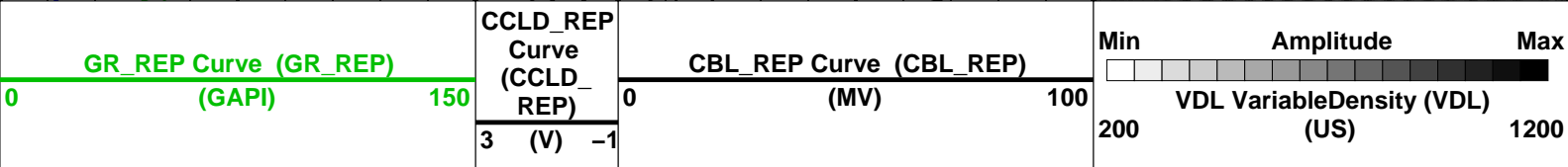
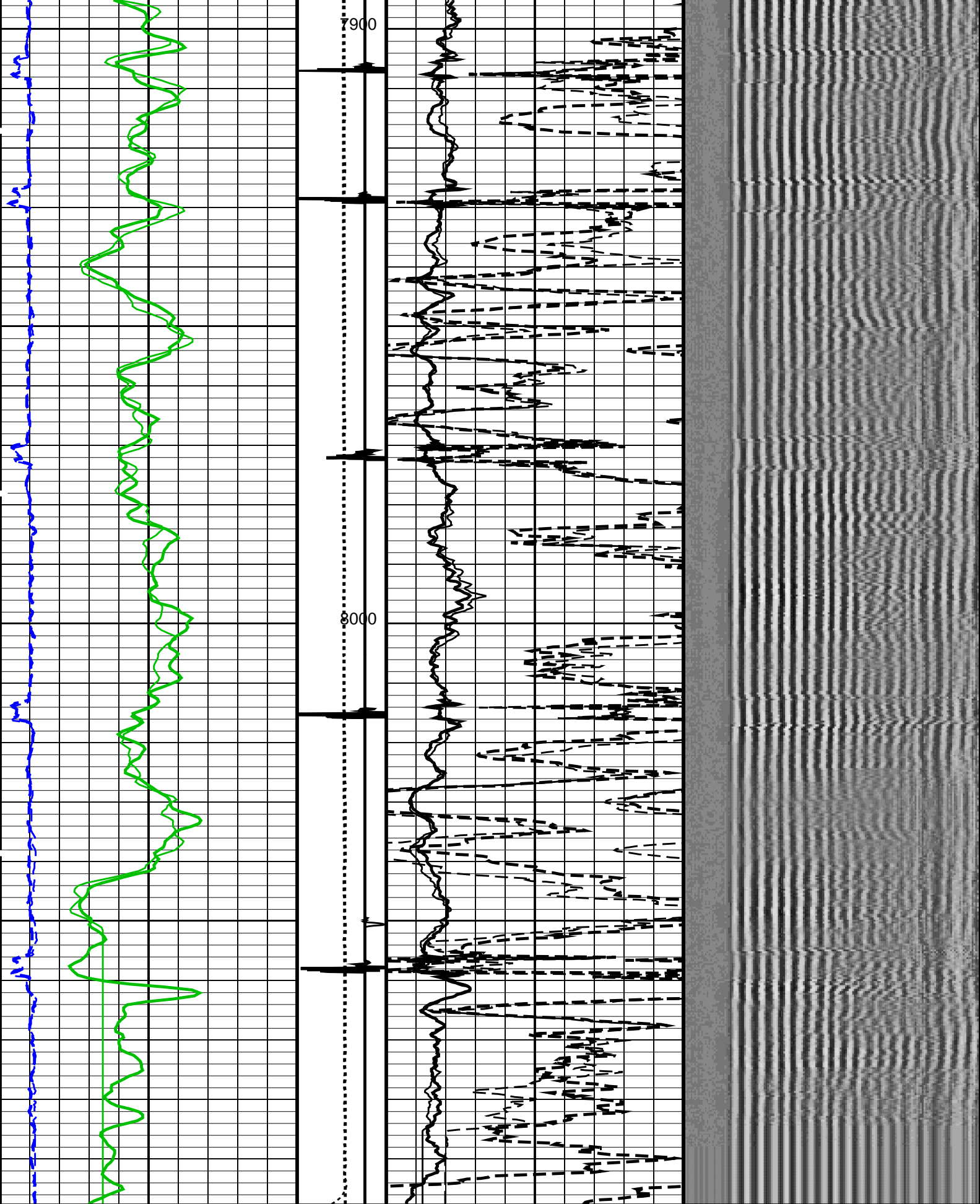
OP System Version: 19C0-187

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

PIP SUMMARY

Time Mark Every 60 S





<div>TT_REP Curve (TT_REP)</div> <div>260160</div> <div>(US)</div>		<div>TENS_REP Curve (TENS_REP)</div> <div>010</div> <div>(LBF)</div> <div>02000</div>	<div>CBL_1_REP Curve (CBL_REP)</div> <div>010</div> <div>(MV)</div>		
PIP SUMMARY					
<div>Time Mark Every 60 S</div>					
Format: CBL_VDL_REP		Vertical Scale: 5" per 100'		Graphics File Created: 11-Apr-2013 12:33	
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 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)	1.0		
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	3.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	12333	FT

Input DLIS Files

DEFAULT	SCMT_RST_PSP_011LUP	FN:10	PRODUCER	11-Apr-2013 08:42	8094.5 FT	7755.5 FT
DEFAULT	SCMT_RST_PSP_018PUP	FN:17	PRODUCER	11-Apr-2013 12:24	12353.0 FT	-20.0 FT

Output DLIS Files

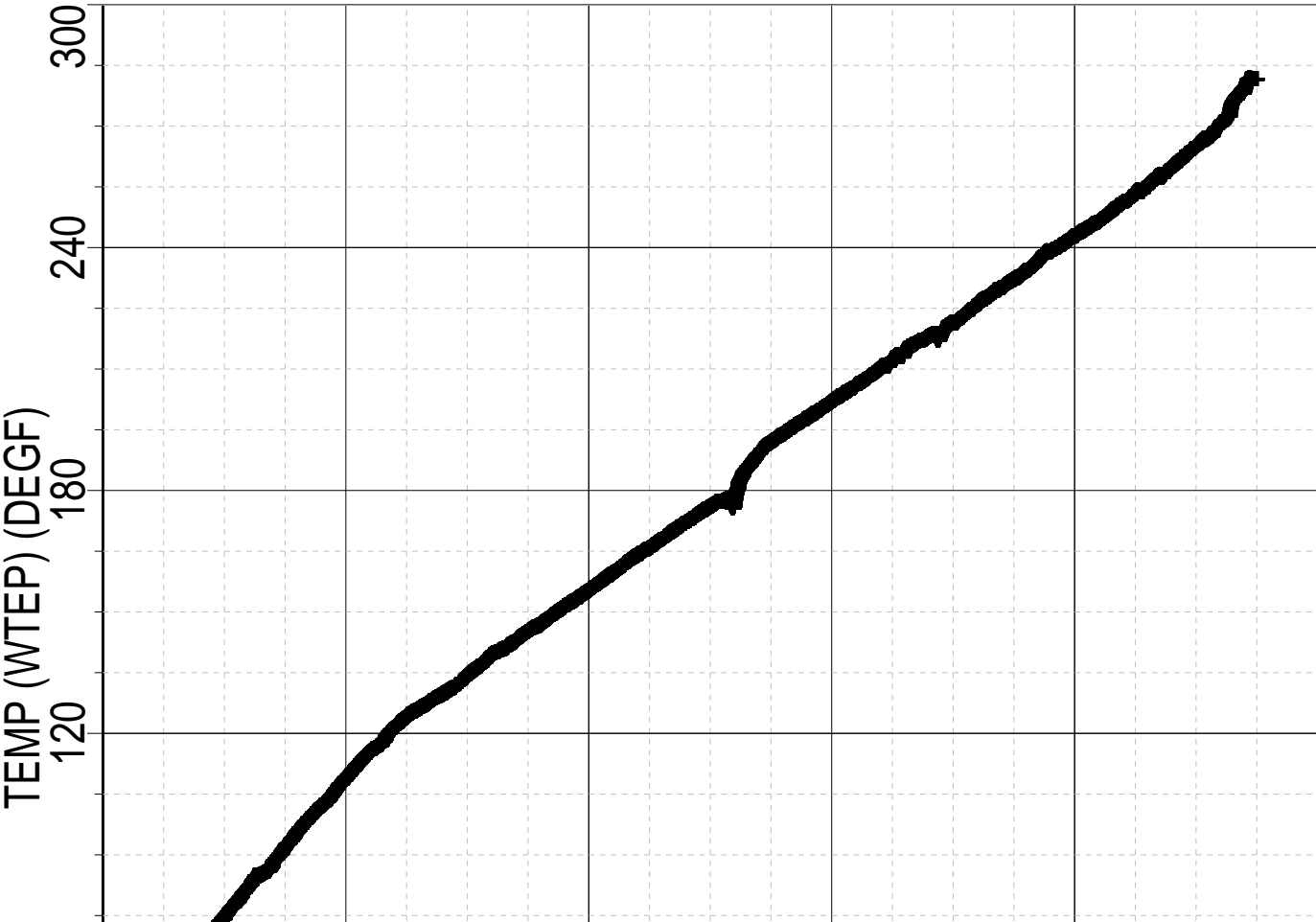
DEFAULT	SCMT_RST_PSP_019PUP	FN:18	PRODUCER	11-Apr-2013 12:33
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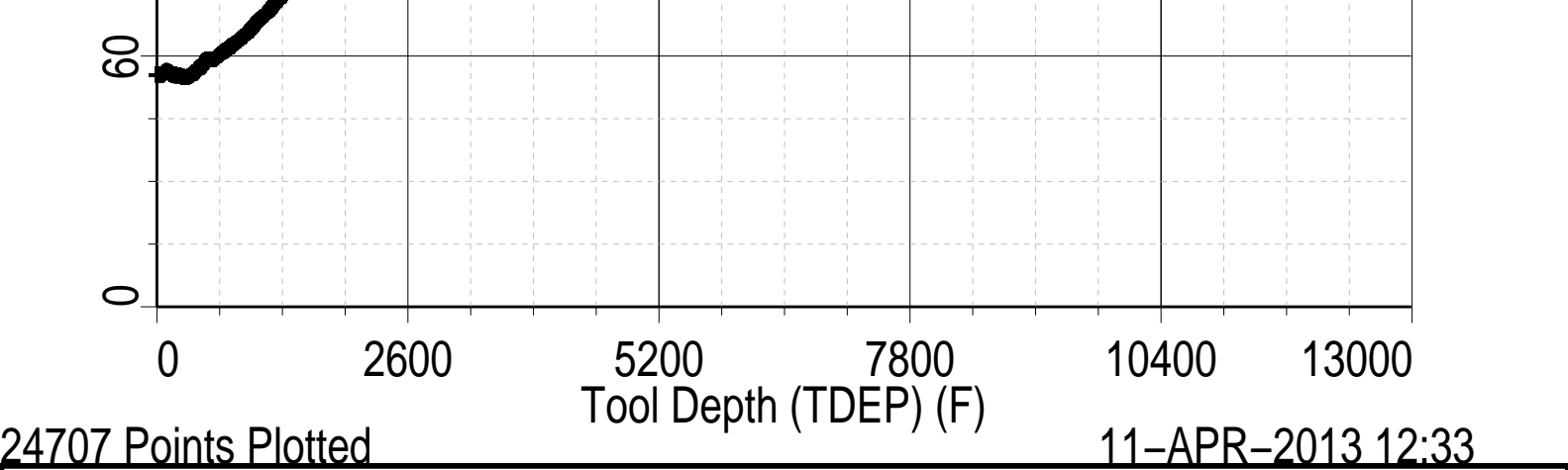
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TEMPERATURE PLOT

MAXIS Field Log

Index: 12353.0 – -20.0 FT





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PBMS COEFFICIENTS

MAXIS Field Log

Client:	ENCANA OIL & GAS (USA) INC	Tool:	PSP
Field:	STORY GULCH	Sub Type:	PBMS
Well:	SG 8502E-35 (D36 496)	Sensor:	GR
Run date:	11-Apr-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	<div>+.182000000000e+04</div>	<div>+.332000000000e+04</div>

Client: ENCANA OIL & GAS (USA) INC

Field: STORY GULCH

Well: SG 8502E-35 (D36 496)

Run date: 11-Apr-2013

Tool: PSP

Sub Type: PBMS

Sensor: WellTemp RTD

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 8502E-35 (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

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	+1.185123362373E-11	+2.203107925433E-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	+4.400325894750E-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
Calib Date ddmmyy
Matrix Size
Coeff CRC

:
928
280612
66
283B

Temp Coeff

	Fc**0	Fc**1	Fc**2
Fb**0	+1.117016867873E+03	-.284359629614E-03	+6.604391180345E-08
Fb**1	-.598309140812E-02	+1.182731130848E-07	+1.160166486172E-12
Fb**2	-.307621454576E-07	+3.300601550309E-12	+3.311233548560E-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

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		1029	Master		864.7

<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>			<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>				
Phase	MAP 3 Amplitude Plus MV		Value	Phase	MAP 4 Amplitude Plus MV		Value
Master	<div><div></div><div></div><div></div></div>		776.8	Master	<div><div></div><div></div><div></div></div>		948.8
<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>			<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>				
Phase	MAP 5 Amplitude Plus MV		Value	Phase	MAP 6 Amplitude Plus MV		Value
Master	<div><div></div><div></div><div></div></div>		1034	Master	<div><div></div><div></div><div></div></div>		949.7
<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>			<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>				
Phase	MAP 7 Amplitude Plus MV		Value	Phase	MAP 8 Amplitude Plus MV		Value
Master	<div><div></div><div></div><div></div></div>		890.8	Master	<div><div></div><div></div><div></div></div>		866.8
<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>			<div><div></div><div>500.0 (Minimum)</div><div>1075 (Nominal)</div><div>1650 (Maximum)</div></div>				
Phase	CBL Amplitude Plus MV		Value				
Master	<div><div></div><div></div><div></div></div>		1334				
<div><div></div><div>1000 (Minimum)</div><div>1350 (Nominal)</div><div>1700 (Maximum)</div></div>							
Master: 26-Sep-2012 14:15							

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

Schlumberger

Well: **SG 8502E-35 (D36 496)**

Field: **STORY GULCH**

County: **GARFIELD**

State: **COLORADO**

SLIM CEMENT MAPPING LOG

CBL-VDL

GR-CCL