

Company: ENCANA OIL & GAS INC (USA)

Well: GMR 8-5B1 (K8W)

Field: MAMM CREEK

County: GARFIELD

State: COLORADO

CEMENT BOND LOG
CBL – VDL
GAMMA RAY – CCL

County:	GARFIELD		
Field:	MAMM CREEK		
Location:	SHL: 1958 FSL 1927 FWL		
Well:	GMR 8-5B1 (K8W)		
Company:	ENCANA OIL & GAS INC (USA)		
	LOCATION		
	SHL: 1958 FSL 1927 FWL BHL: 140 FWL 1460 FNL	Elev.: K.B. 7848.00 ft G.L. 7826.00 ft D.F. 7847.00 ft	
	Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	GROUND LEVEL _____ KELLY BUSHING _____ KELLY BUSHING _____	Elev.: 7826.00 ft 22.00 ft above Perm. Datum
	API Serial No. _____ 05-045-19145-0000		Section 8 Township 7S Range 93W

	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	29-Sep-2010		
Run Number	1		
Depth Driller	10482 ft		
Schlumberger Depth	10402 ft		
Bottom Log Interval	10394 ft		
Top Log Interval	500 ft		
Casing Fluid Type	FRESH WATER		
Salinity			
Density	8.4 lbm/gal		
Fluid Level	22 ft		
BIT/CASING/TUBING STRING			
Bit Size	7.880 in		
From	22 ft		
To	10482 ft		
Casing/Tubing Size	4.500 in		
Weight	11.6 lbm/ft		
Grade			
From	22 ft		
To	10467 ft		
Maximum Recorded Temperatures	241 degF		
Logger On Bottom	29-Sep-2010	22:00	
Unit Number	Location		
Recorded By	STEPHEN CHAN		
Witnessed By	UNATTENDED		

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: 29-SEP-2010 23:04:34

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-C	Type:	1-25P
Serial Number:	6322	Serial Number:	385	Serial Number:	385
Calibration Date:	4-AUG-2010	Calibration Date:	1-SEP-2010	Length:	18000 FT
Calibrator Serial Number:	33	Calibrator Serial Number:	1159	Conveyance Method:	Wireline
Calibration Cable Type:	1-25P	Number of Calibration Points:	10	Rig Type:	LAND
Wheel Correction 1:	-4	Calibration RMS:	44		
Wheel Correction 2:	-3	Calibration Peak Error:	90		

Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	120.00 FT
Rig Up Length At Bottom:	120.00 FT
Rig Up Length Correction:	0.00 FT
Stretch Correction:	9.50 FT
Tool Zero Check At Surface:	0.80 FT

Depth Control Remarks

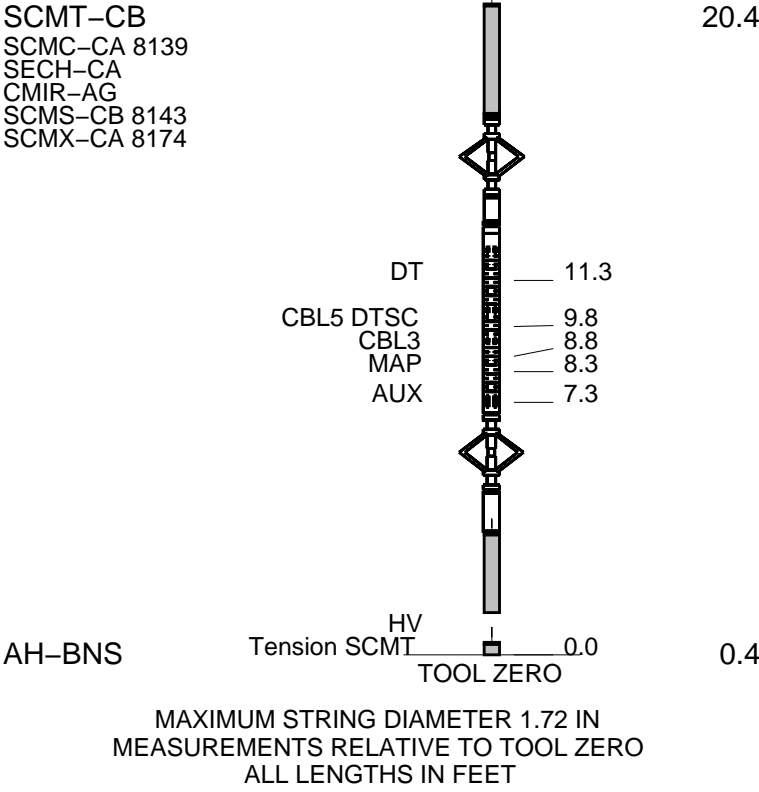
1. ALL SCHLUMBERGER DEPTH CONTROL POLICIES FOLLOWED.
2. IDW USED AS PRIMARY DEPTH CONTROL.
3. Z-CHART USED AS SECONDARY DEPTH CONTROL.
- 4.
- 5.
- 6.

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: RST OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
THIS IS THE FIRST RUN IN HOLE.	
TOOL RAN AS PER TOOL SKETCH.	
EXPECTED FREE PIPE AMPLITUDE 81mV.	
CYCLE SKIPPING DUE TO GOOD BOND.	
TD TAGGED: 10402FT	

MAX TEMPERATURE AT TD: 241DEGF					
MAX PRESSURE AT TD: 4206PSI					
SHORT JOINT:9164FT, 8162FT					
AFE: 09129715					
THANK YOU FOR CHOOSING SCHLUMBERGER.					
<div> <div>RUN 1</div> <div> <div>SERVICE ORDER #:</div> <div>PROGRAM VERSION:</div> <div>FLUID LEVEL:</div> </div> <div> <div>BCN9-000058</div> <div>17C0-154</div> <div>22 ft</div> </div> </div>			<div> <div>RUN 2</div> <div> <div>SERVICE ORDER #:</div> <div>PROGRAM VERSION:</div> <div>FLUID LEVEL:</div> </div> </div>		
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		53.6			
Detail MT					
AH-38	TelStatus	52.0			
PSPT-A/B	CTEM	51.7			
PSC-A		51.7			
PSPT-A 3779					
PSTC					
PBMS-A	GR	48.0			
10k_Sapphire_Mano					
RTD_Thermometer					
GR	Well_Temp	44.9			
CCL	Manometer	44.8			
PBMS	CCL	44.2			
	PBMS PSTC	43.5			
RST-C		43.5			
RSCH-A 298					
RSC-C					
RSS-A 255					
RSXH-A 309					
RSX-C					
	RSC-A Far	34.3			
	RSC-A PNG				
	RSC-A Nea				
	RSX-A PNG	33.8			



Schlumberger

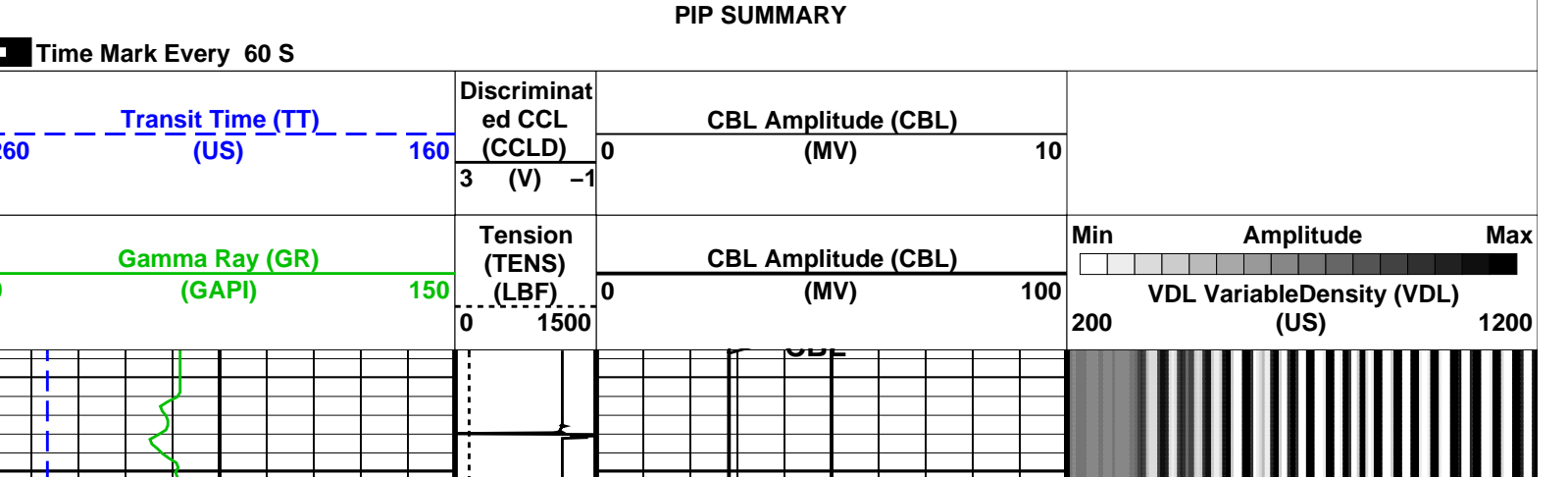
MAIN PASS

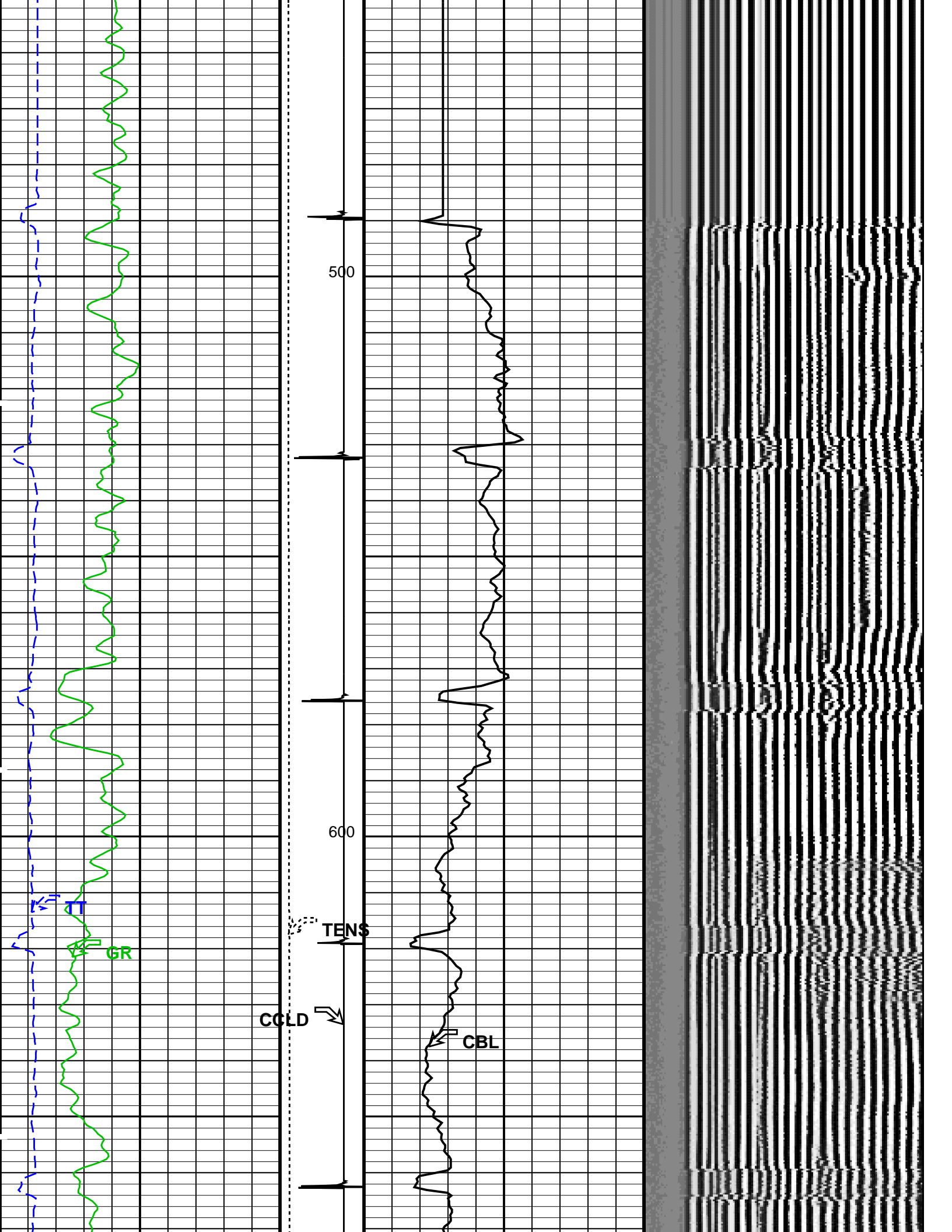
MAXIS Field Log

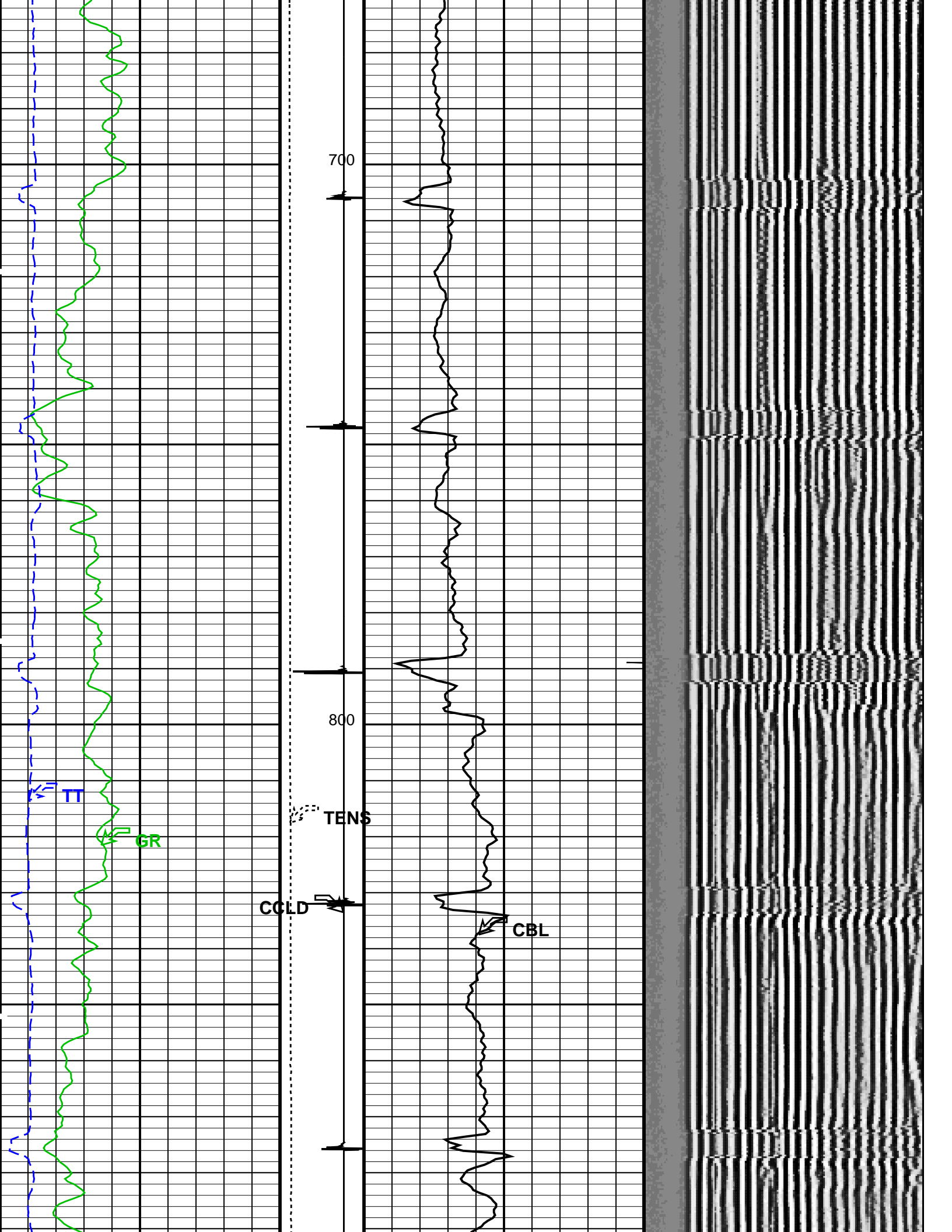
Company: ENCANA OIL & GAS INC (USA) Well: GMR 8-5B1 (K8W)

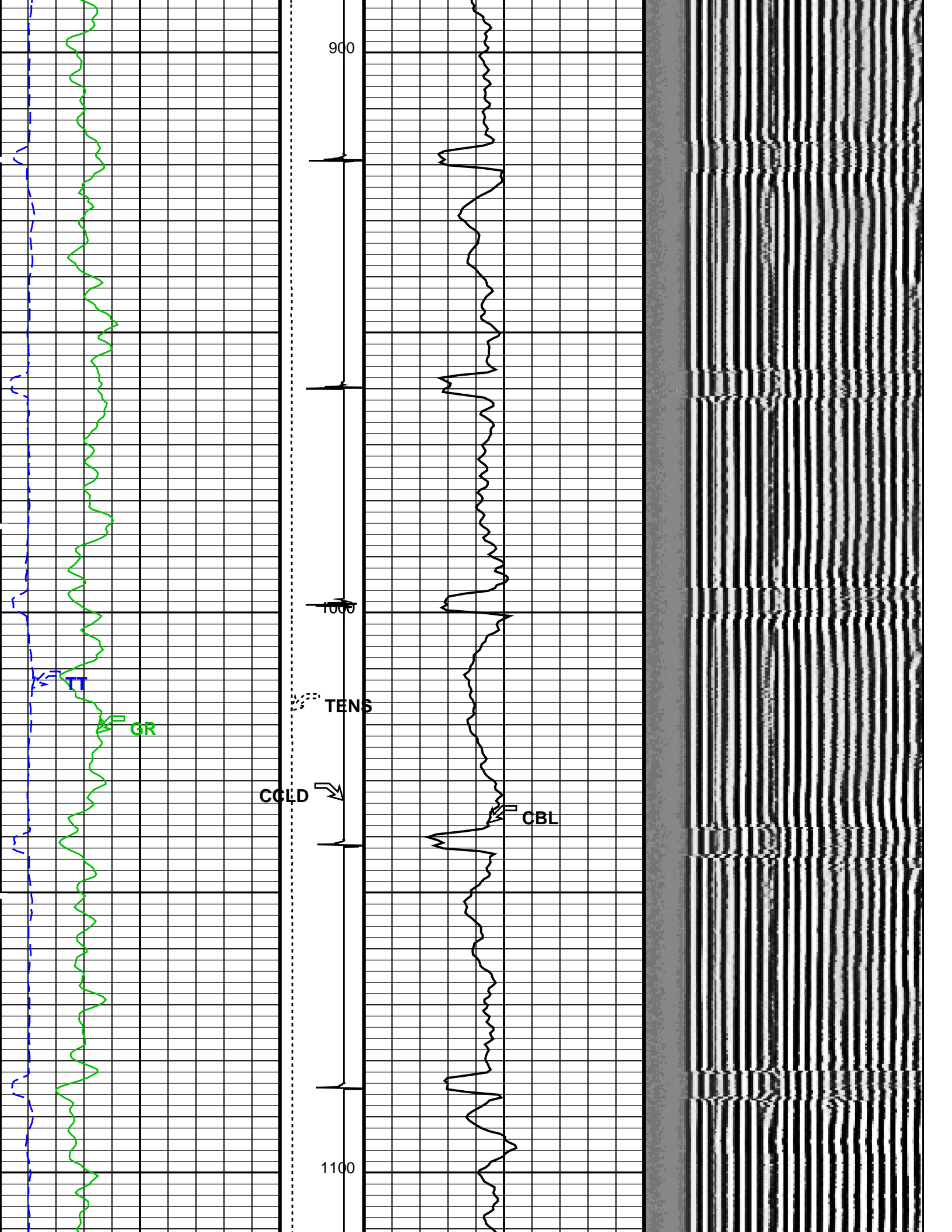
Output DLIS Files						
DEFAULT	SCMT_RST_PSP_014LUP	FN:13	PRODUCER	29-Sep-2010 22:31	10438.5 FT	437.0 FT

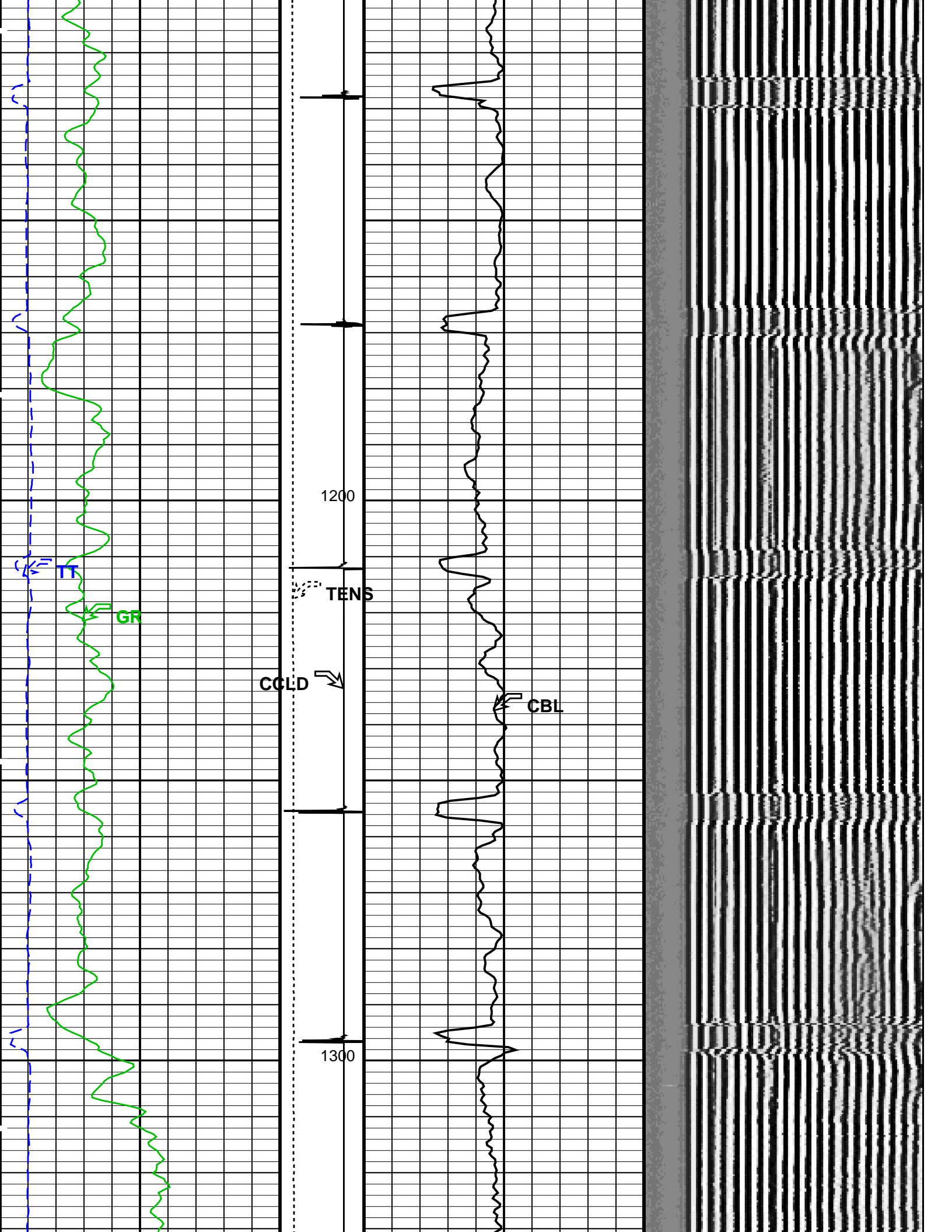
OP System Version: 17C0-154			
SCMT-CB	17C0-154	RST-C	17C0-154
PSPT-A/B	17C0-154		

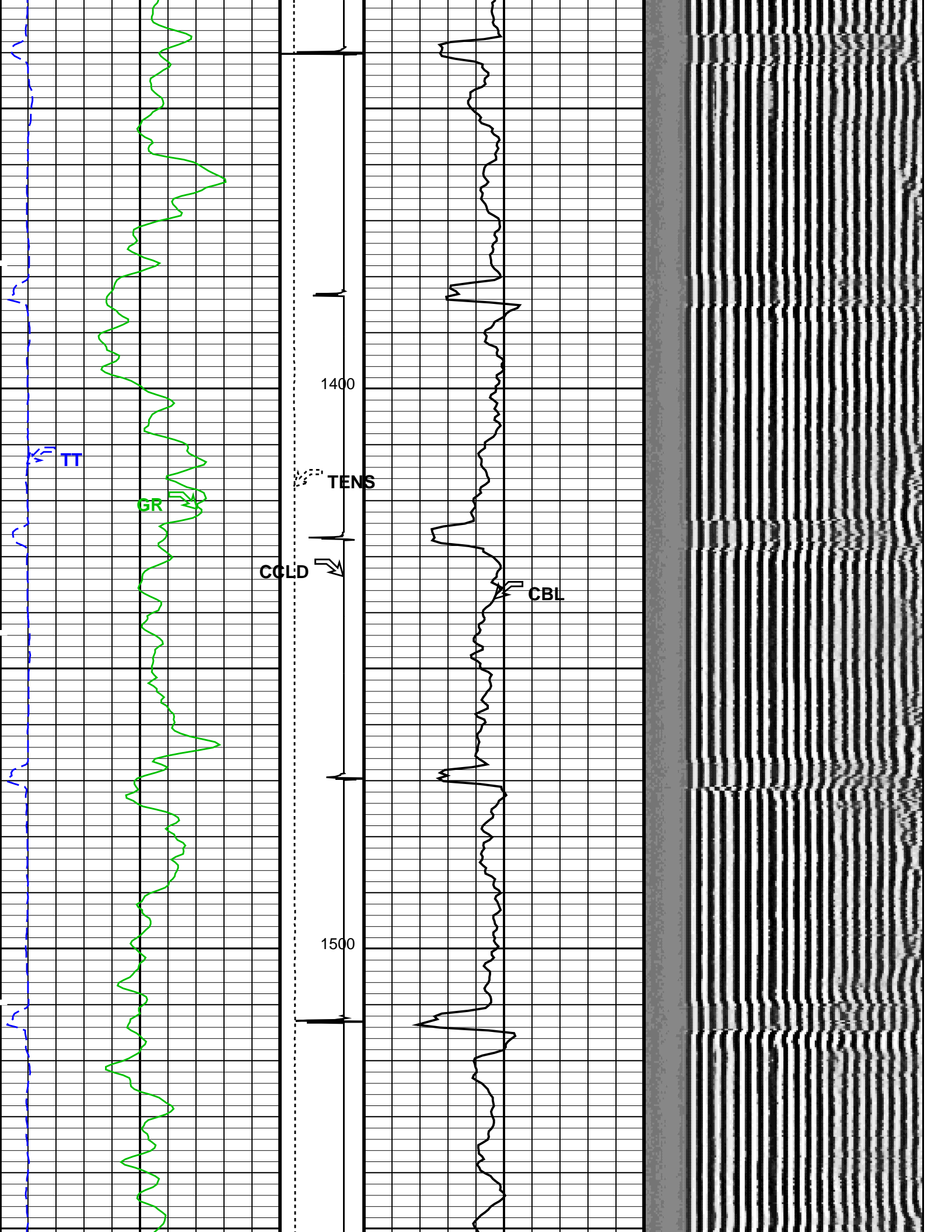


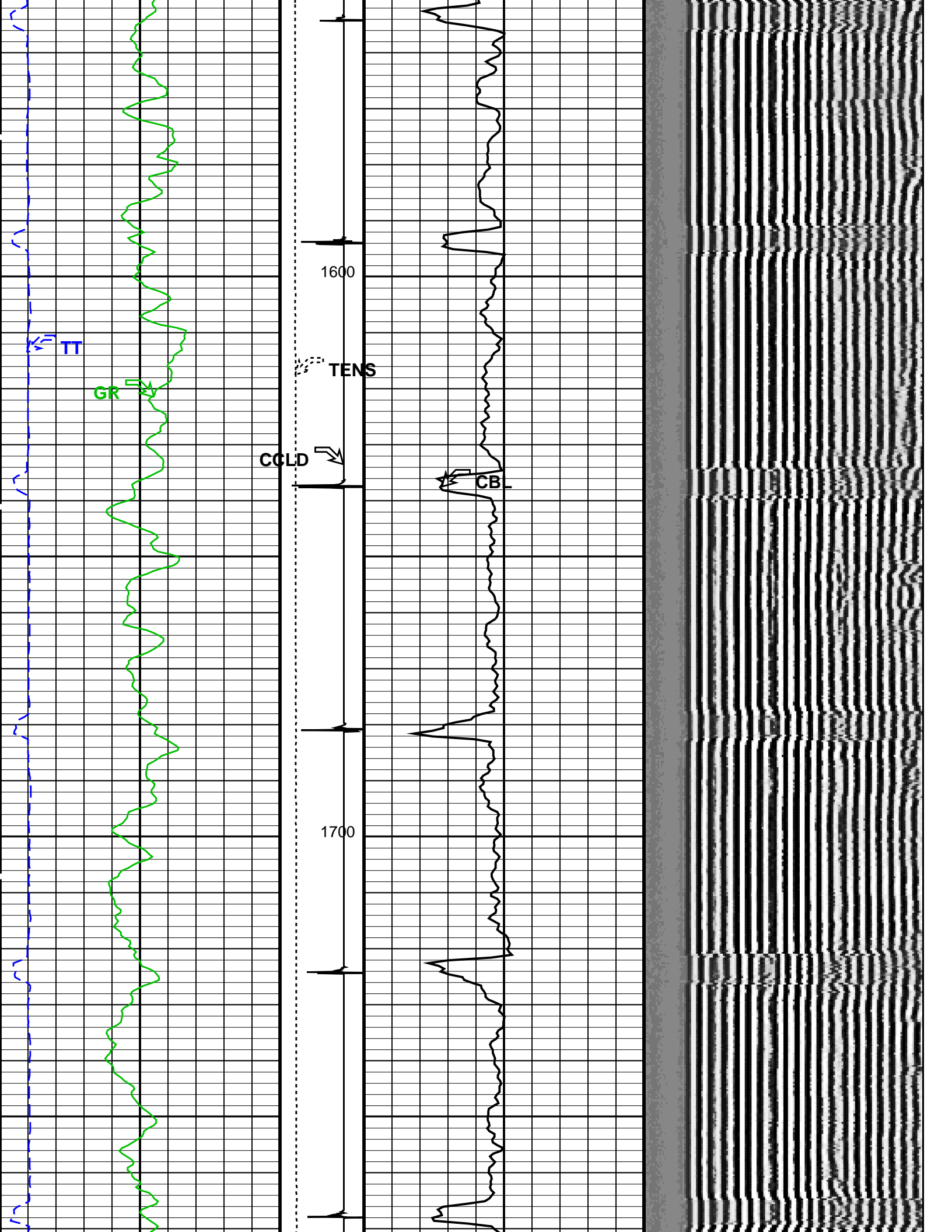


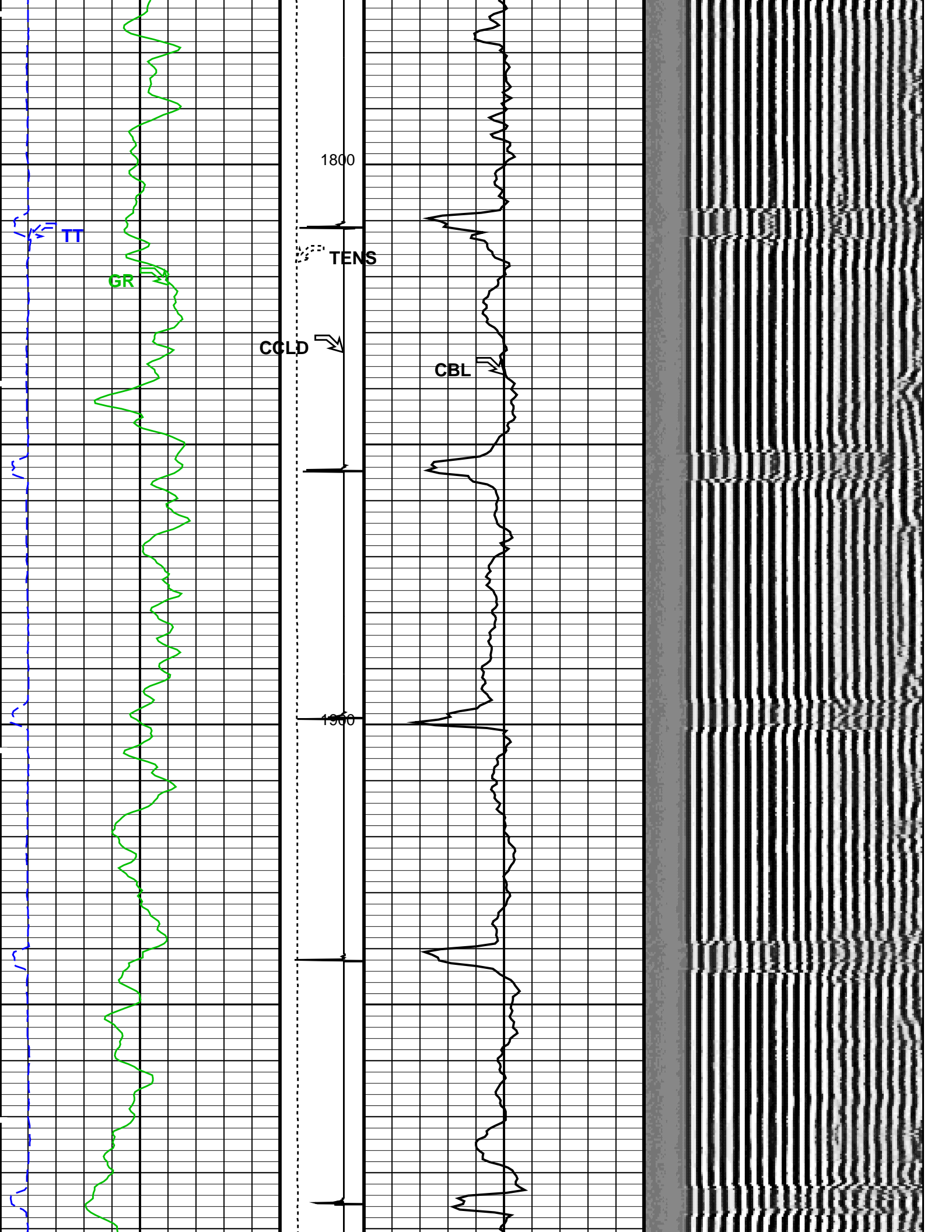


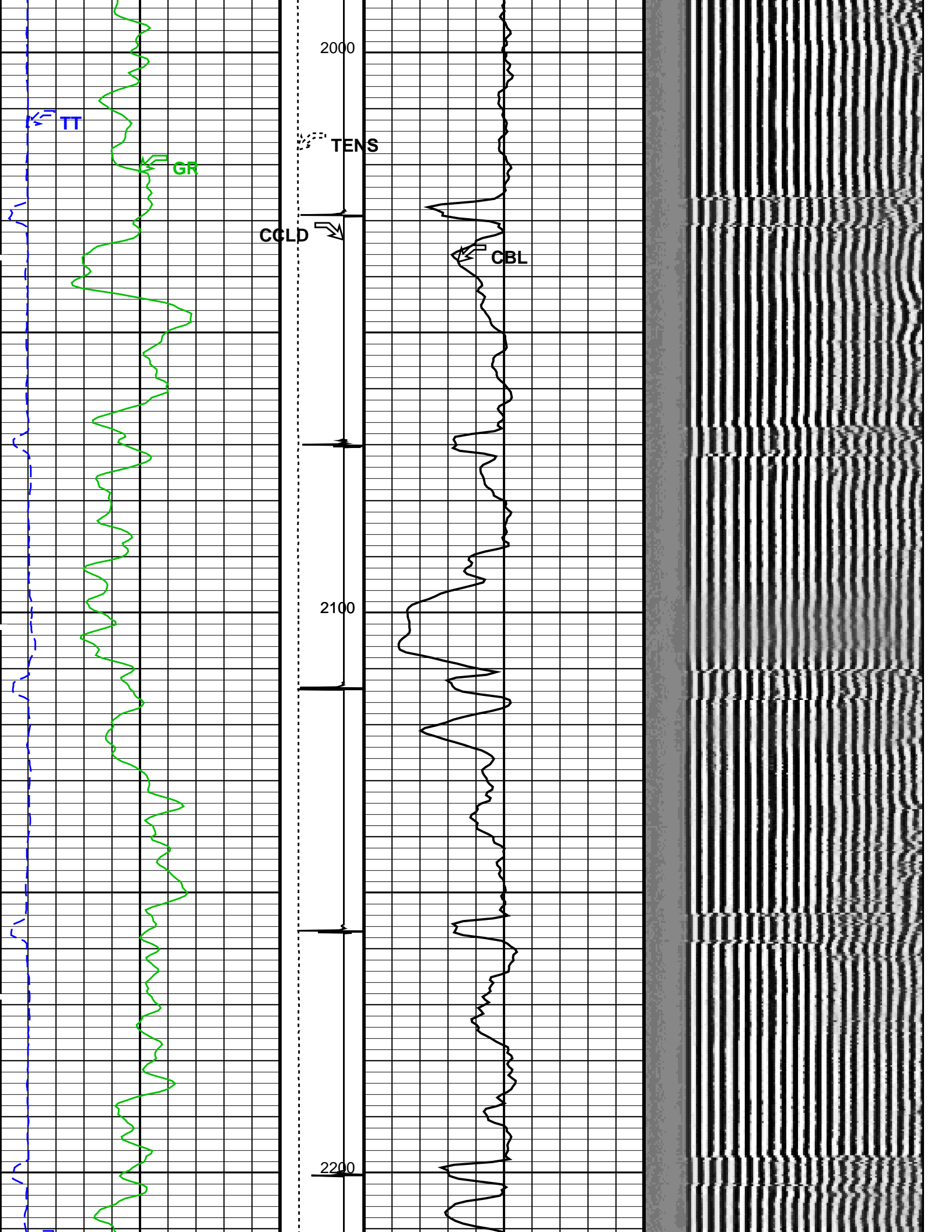


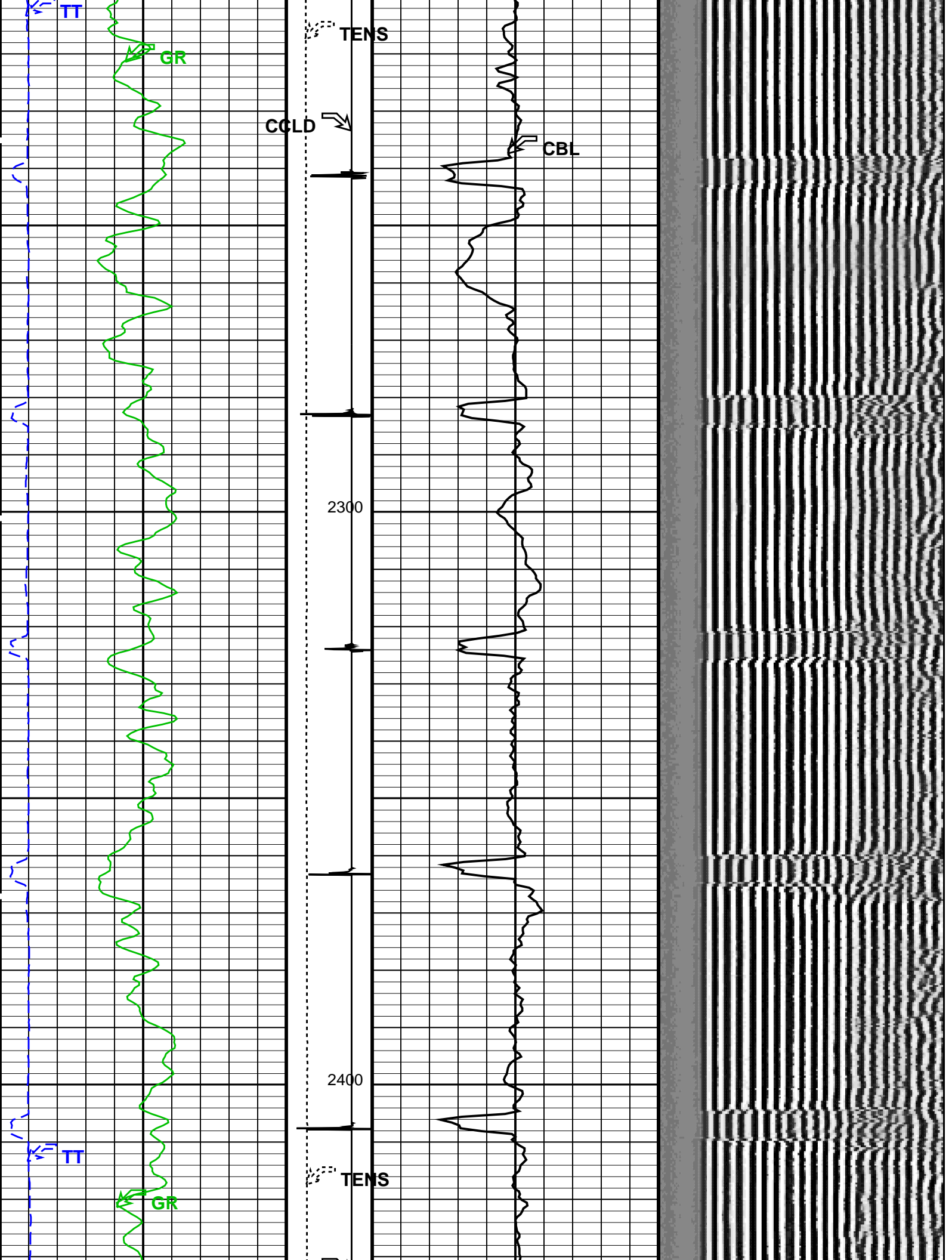


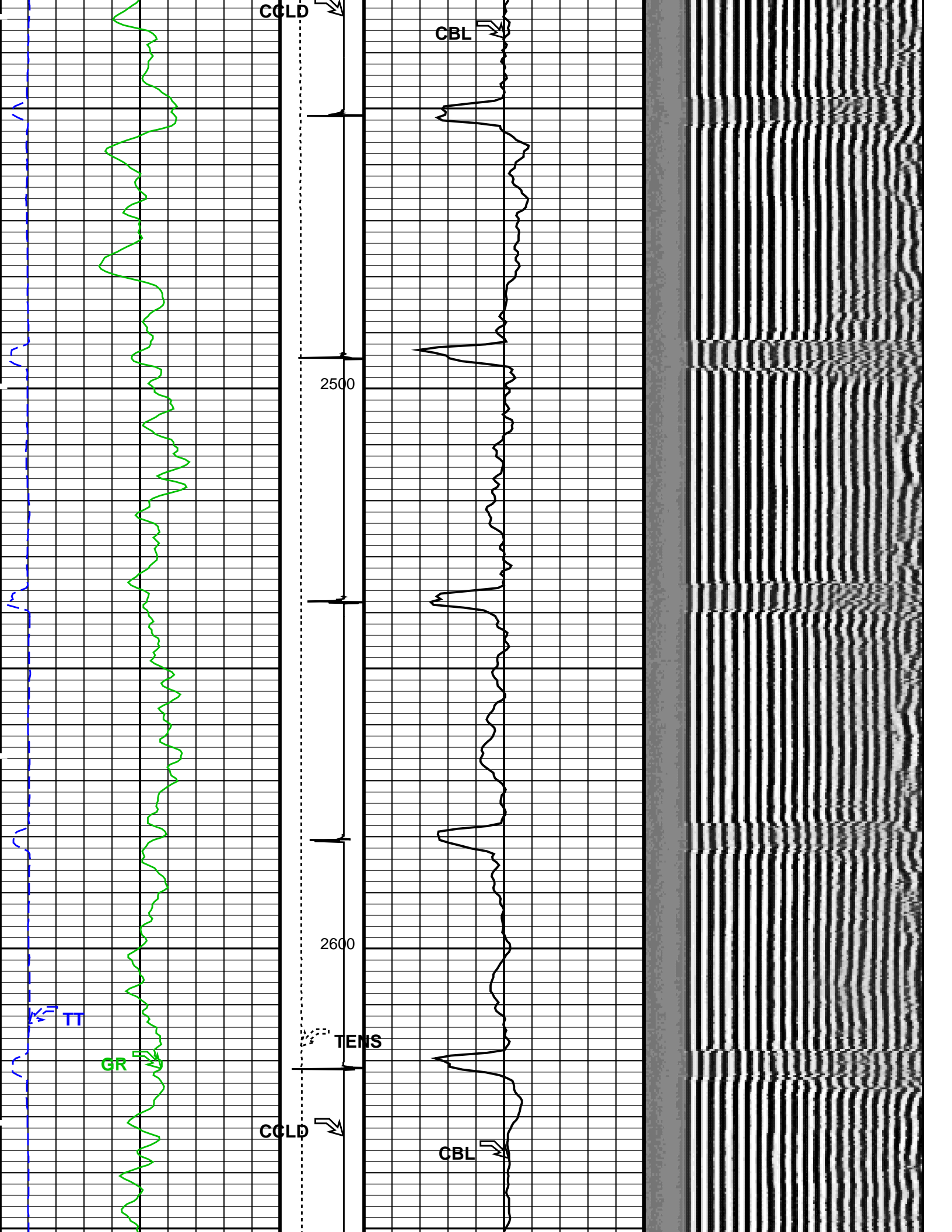


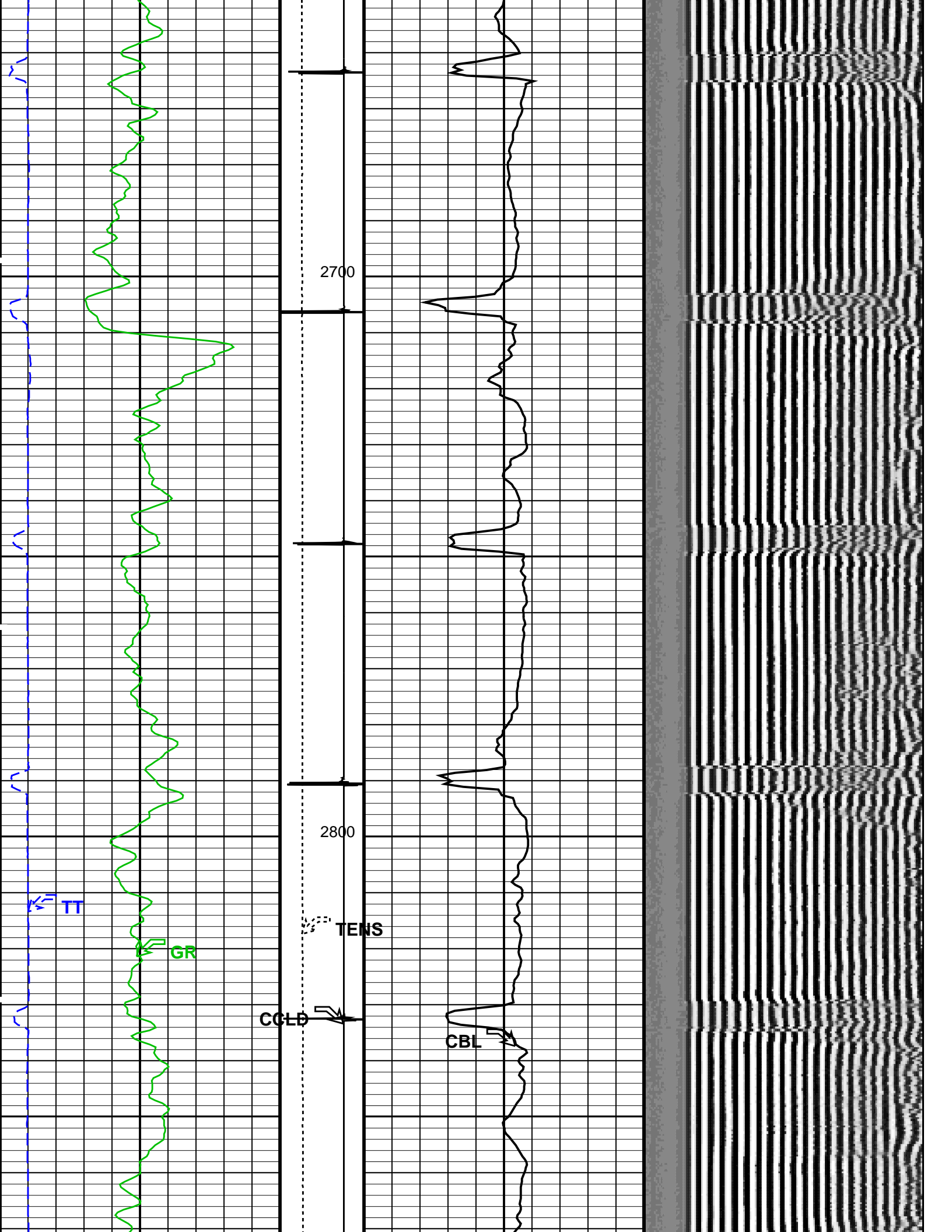


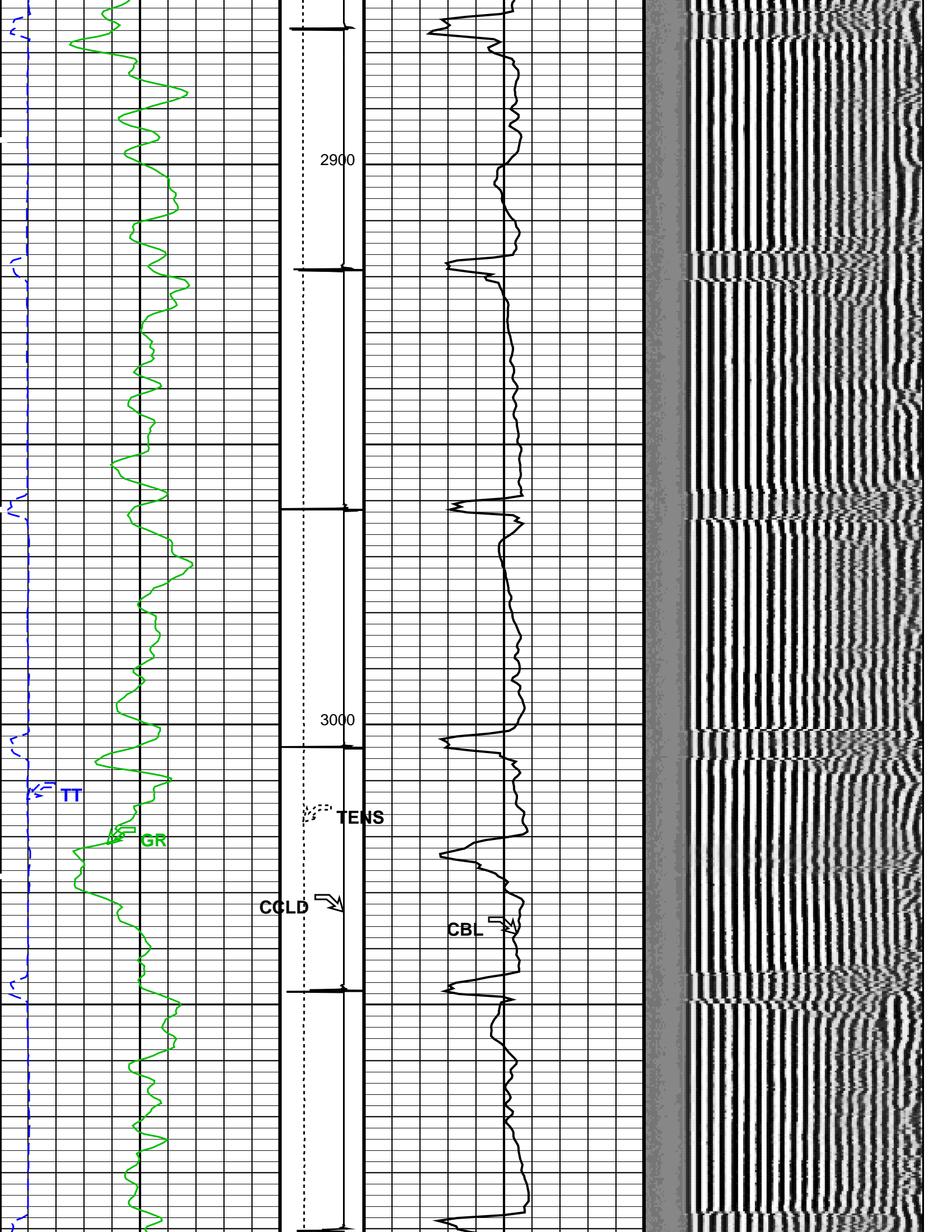


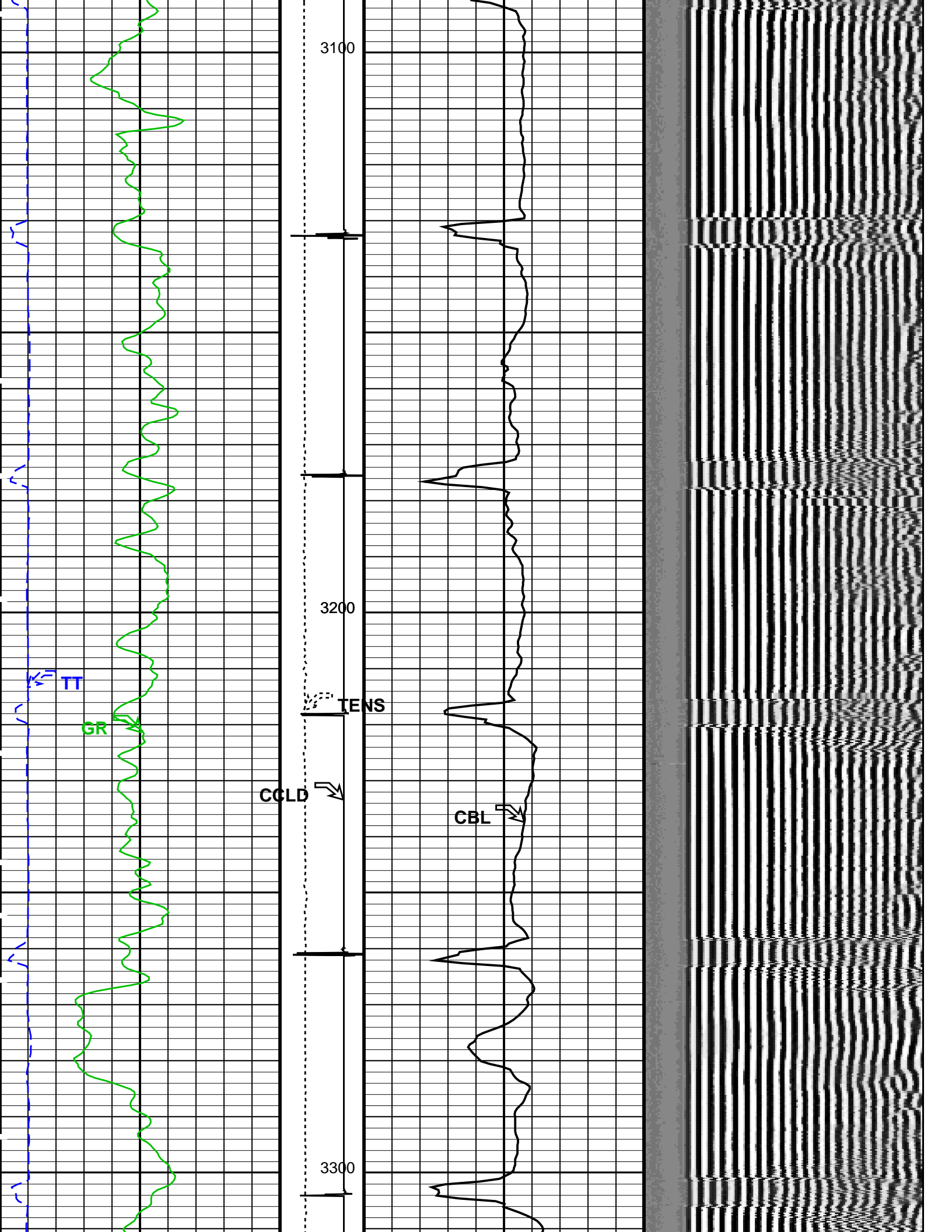


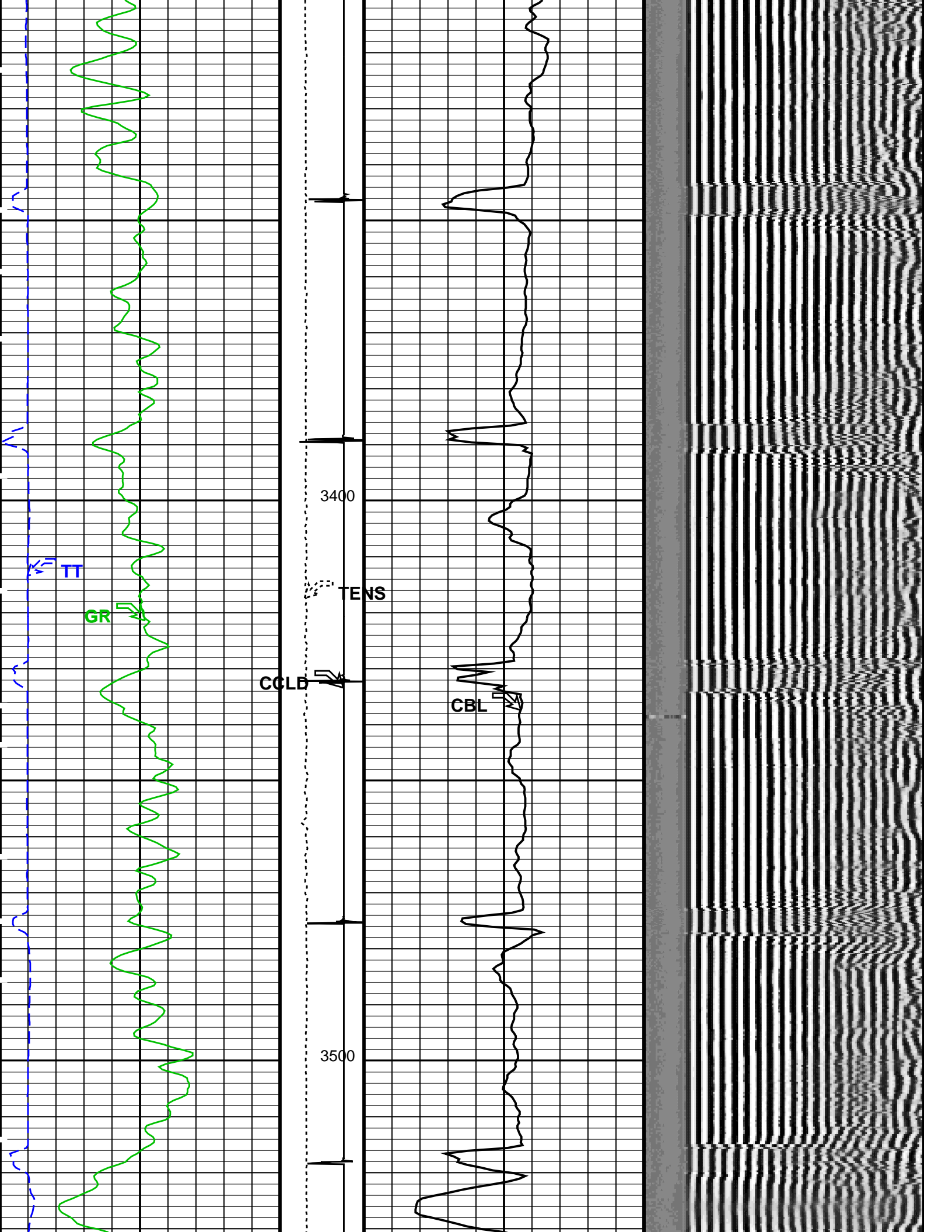


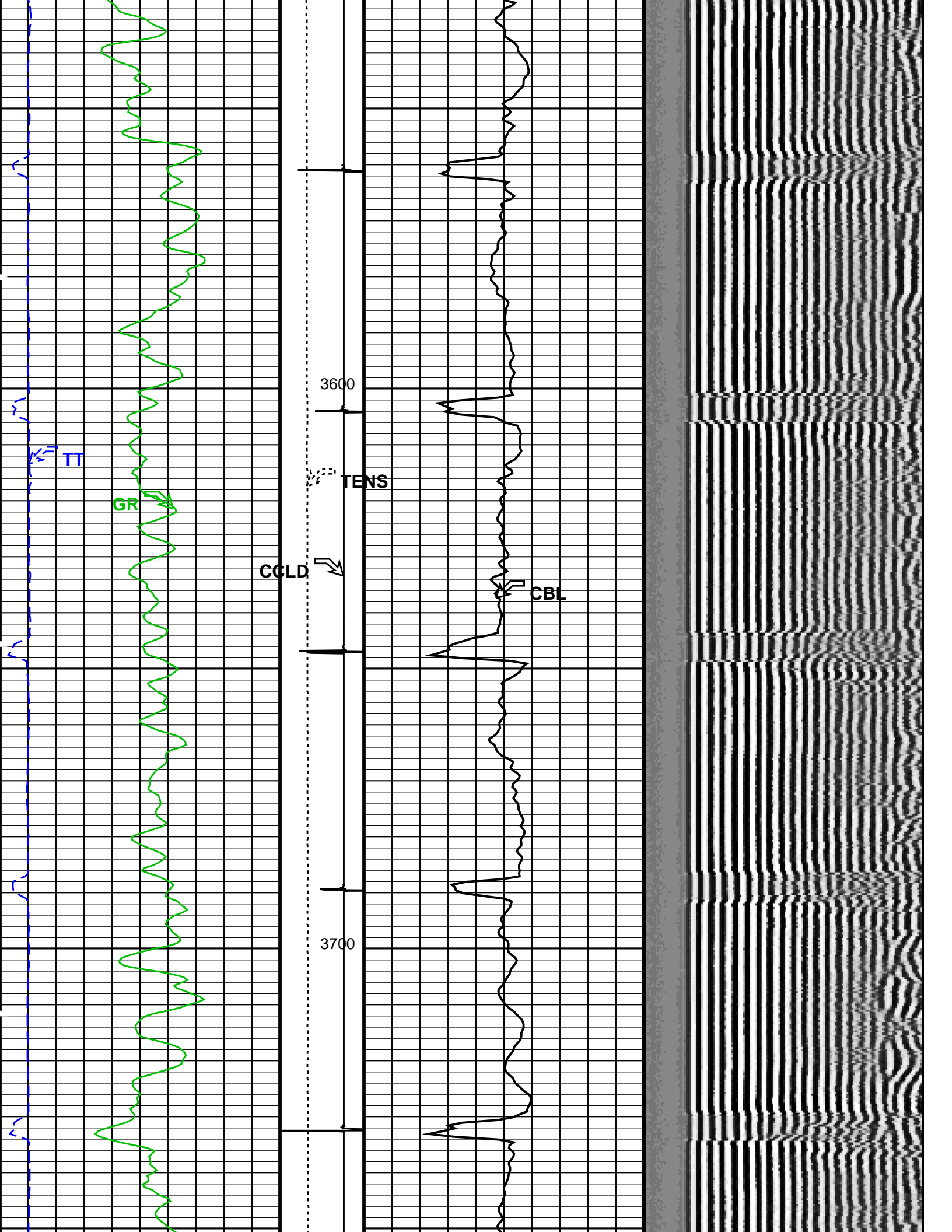


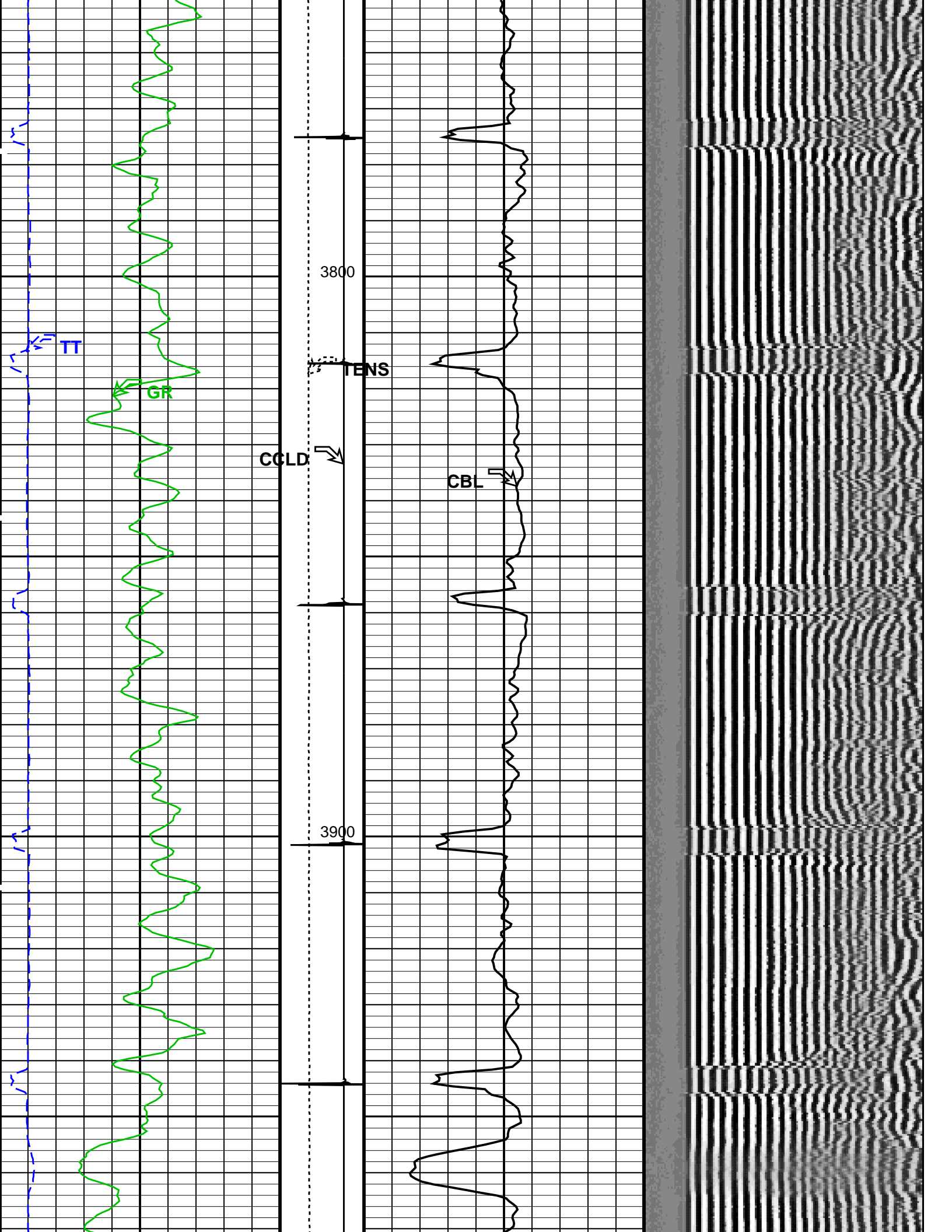


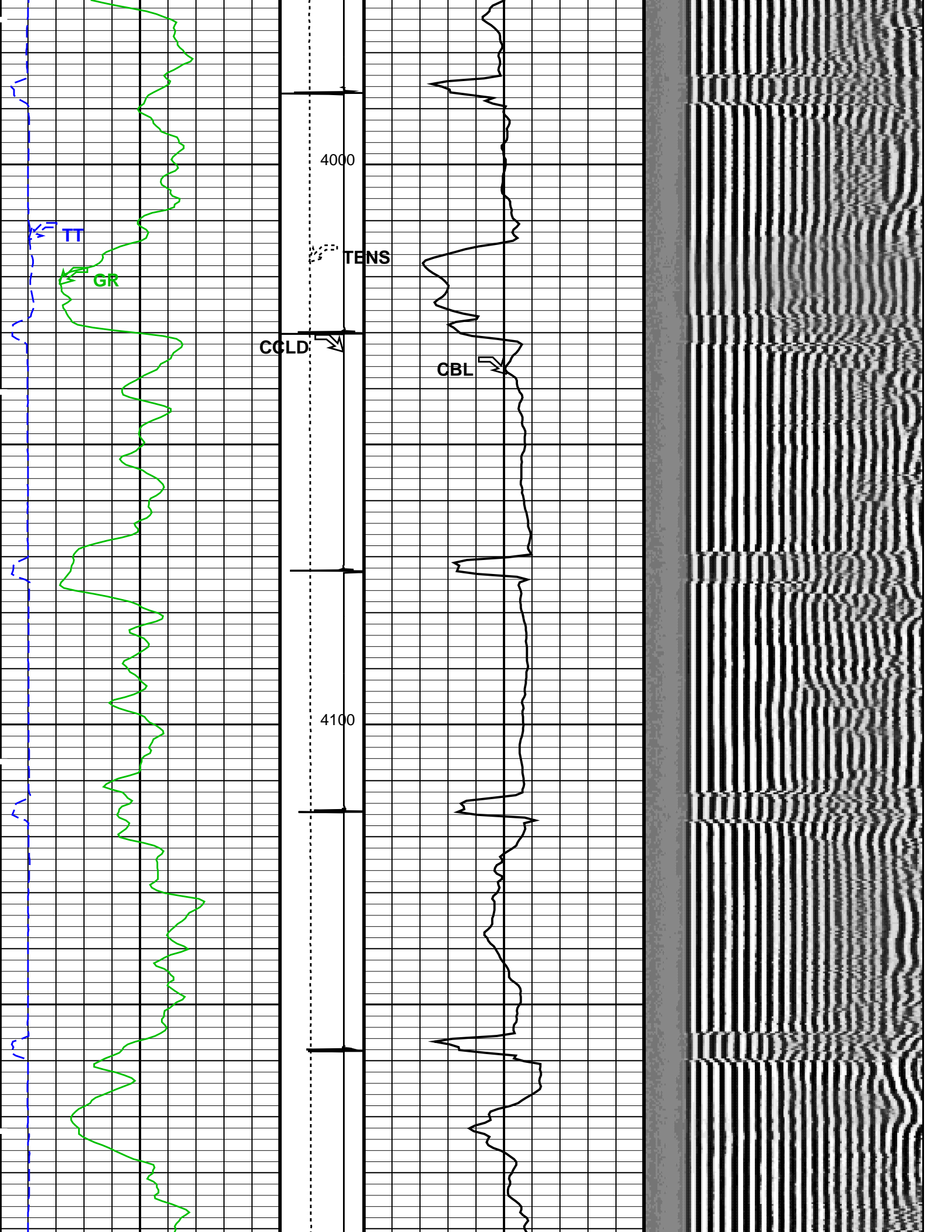


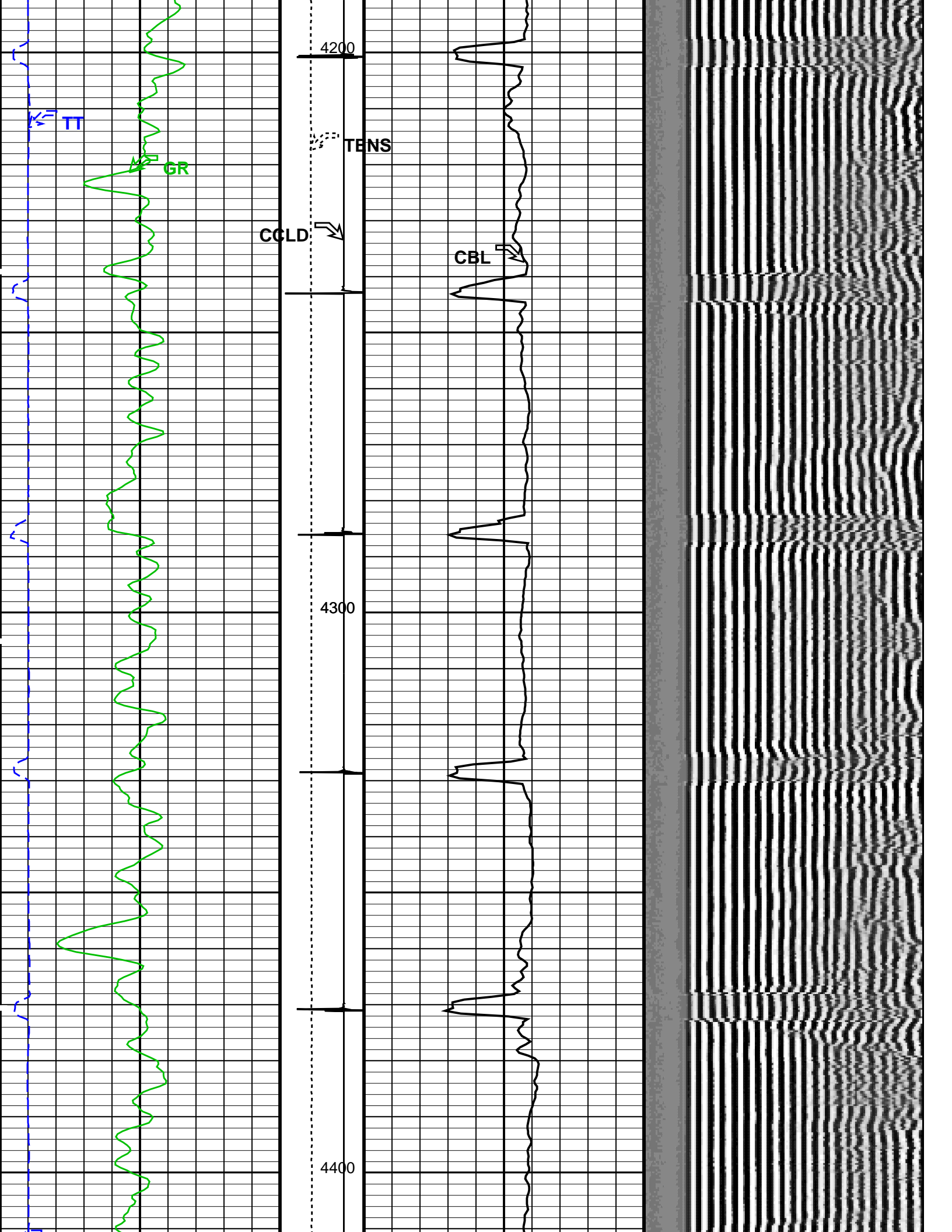


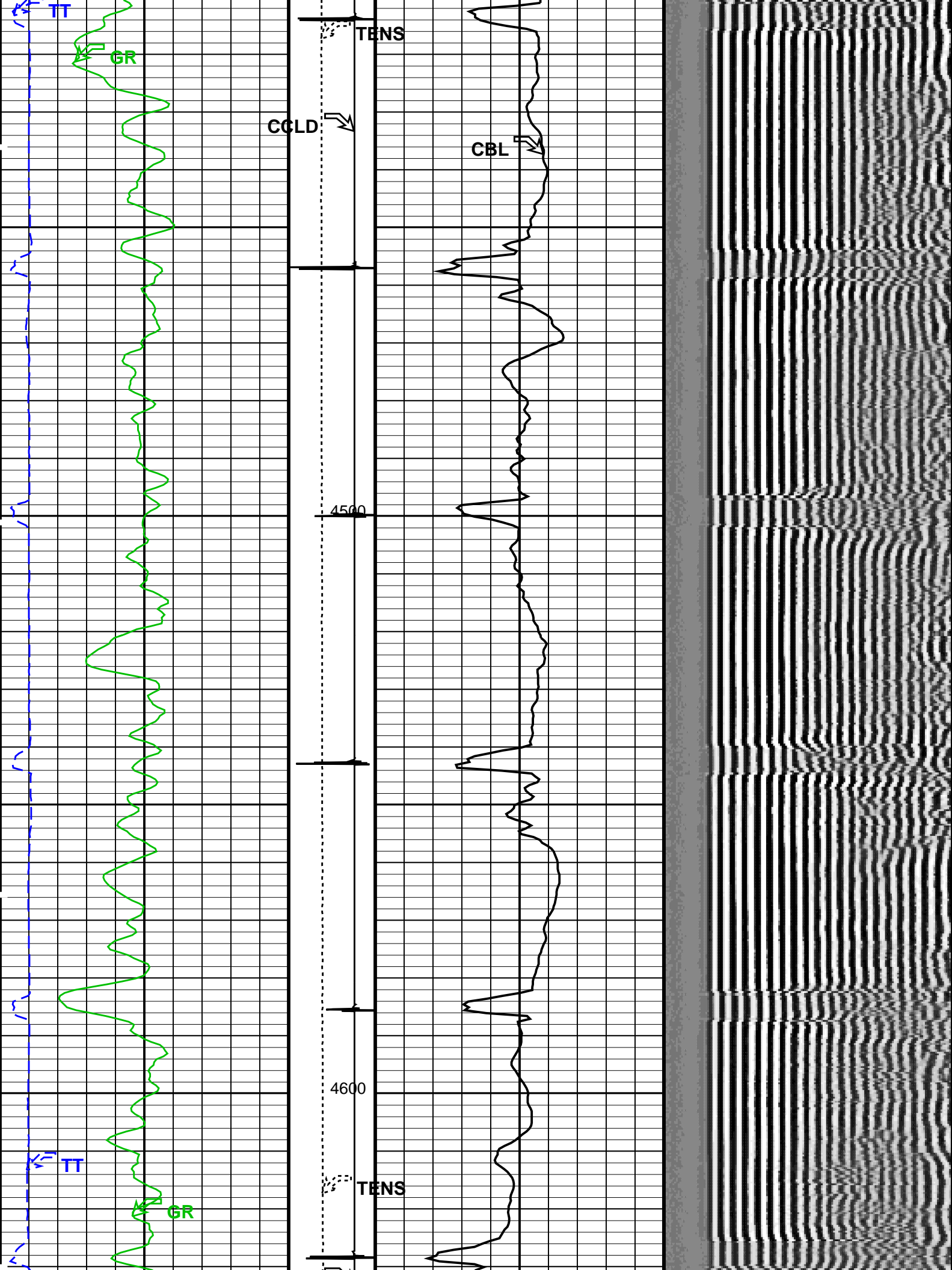


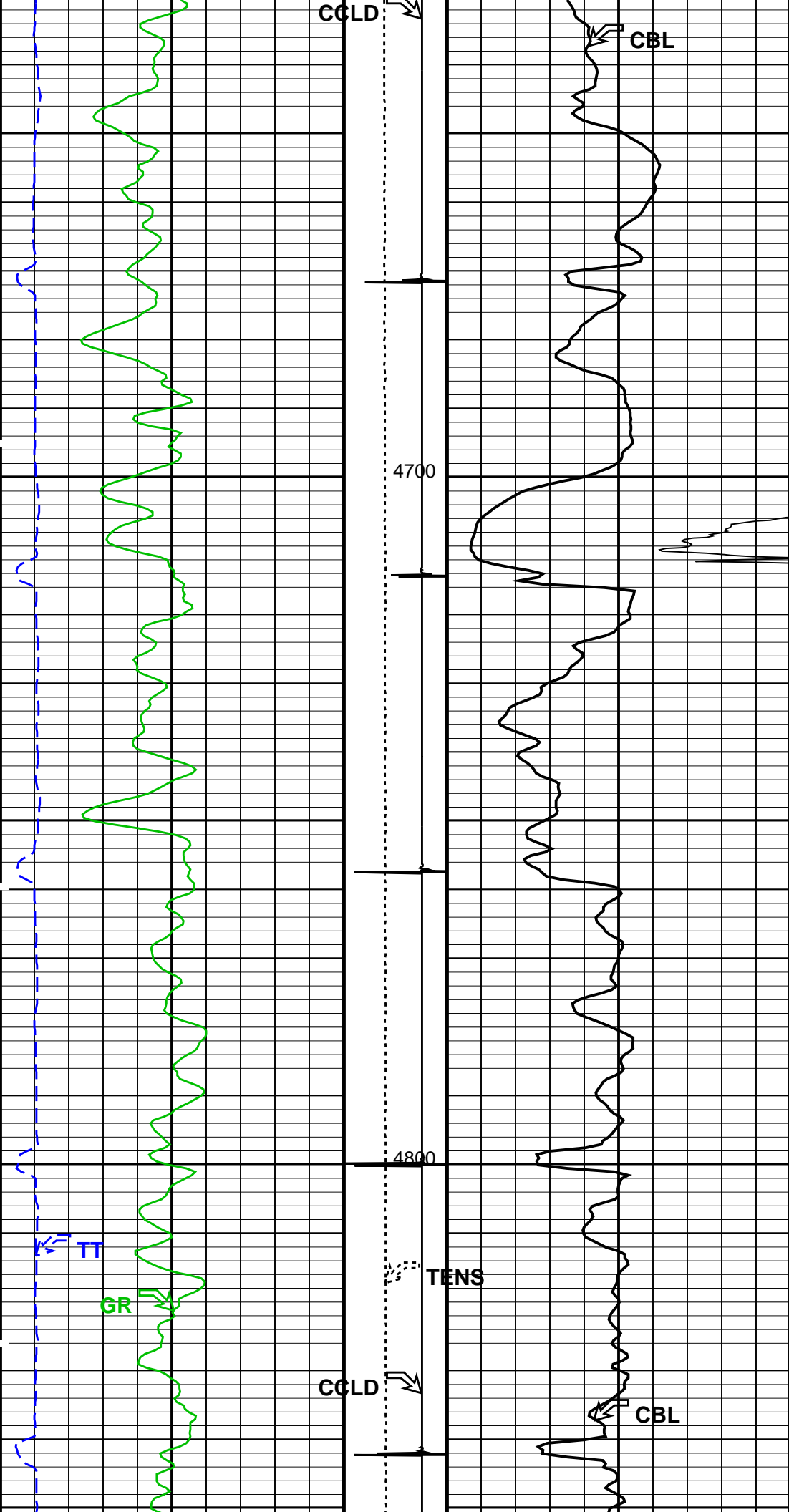


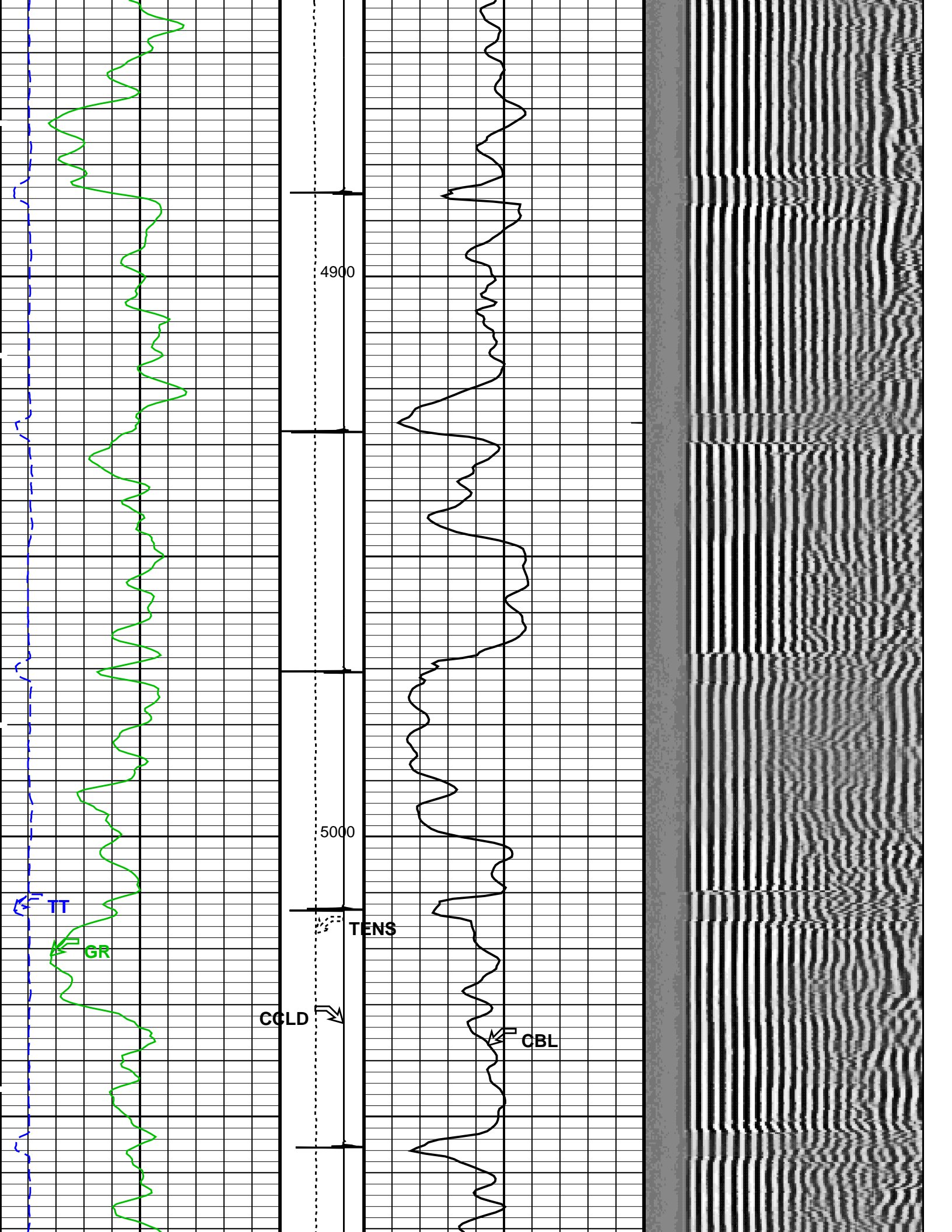


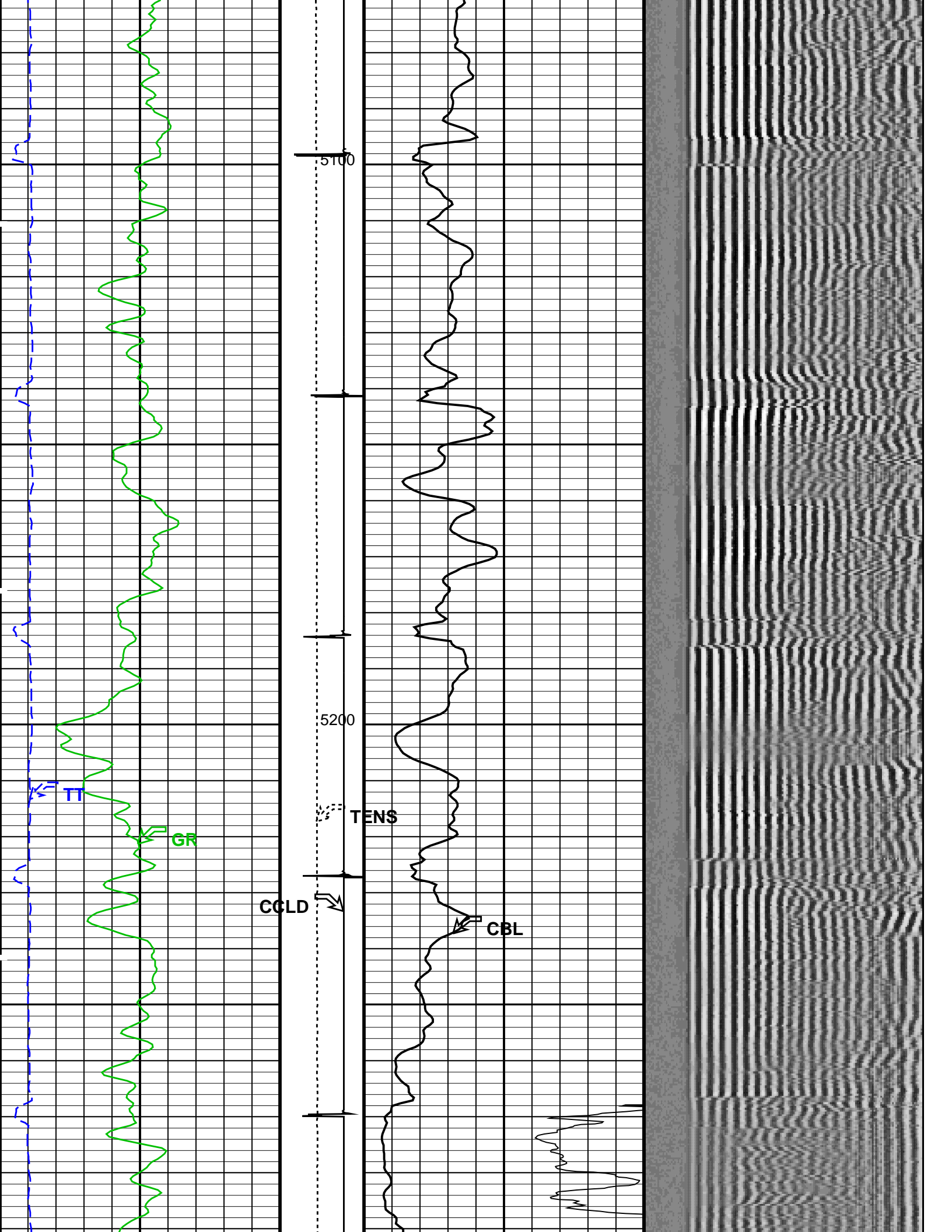


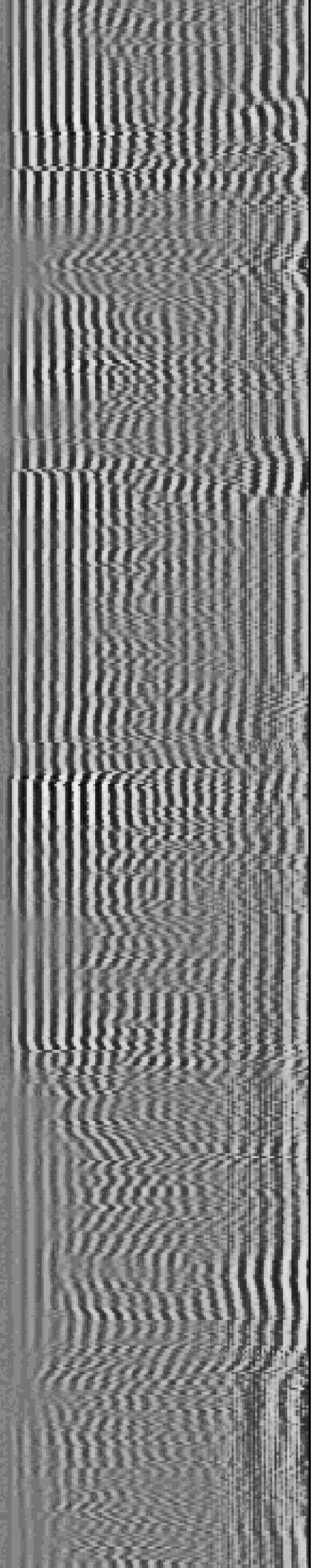
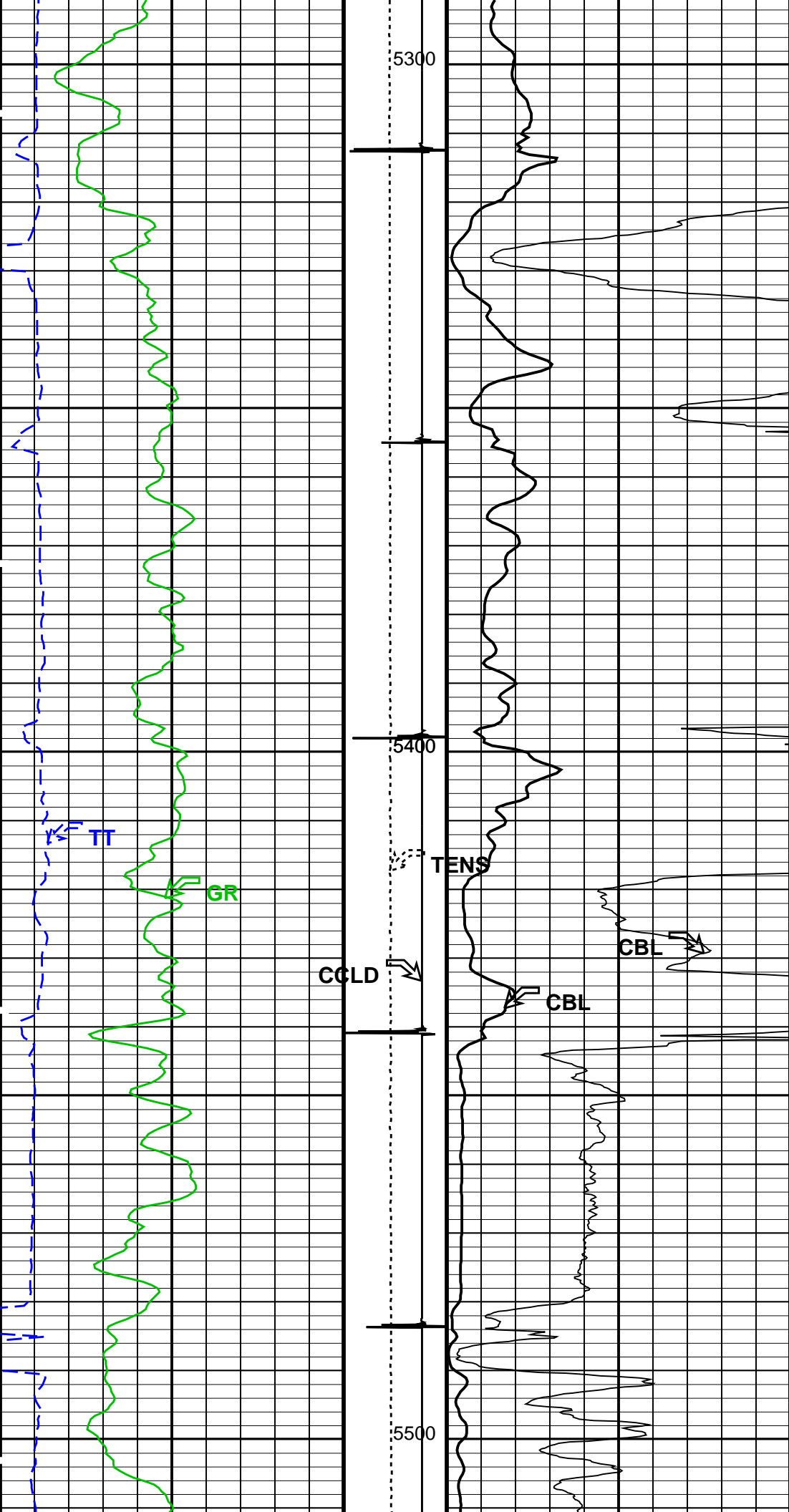


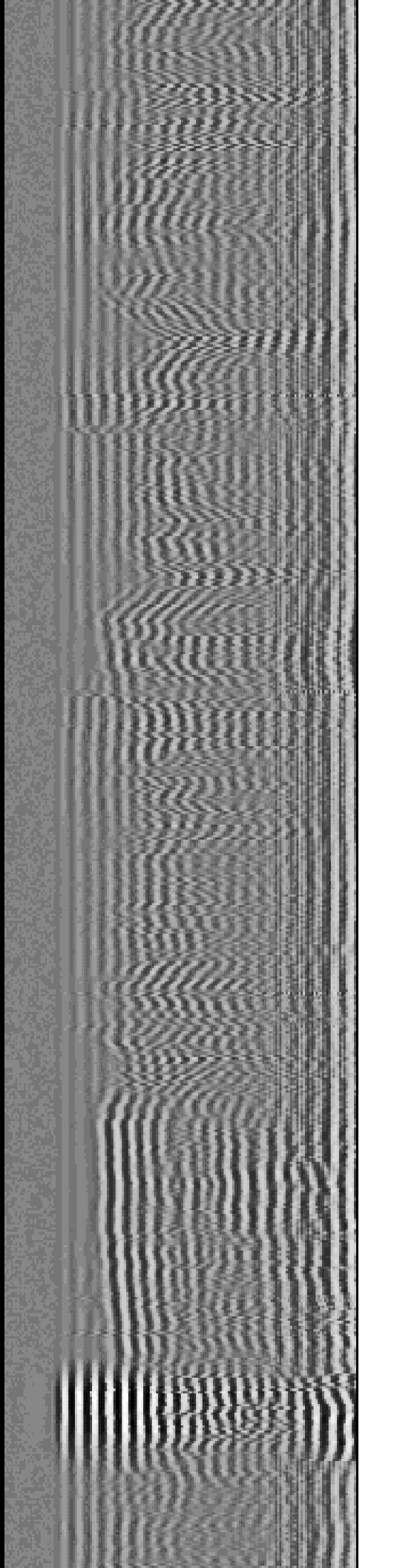
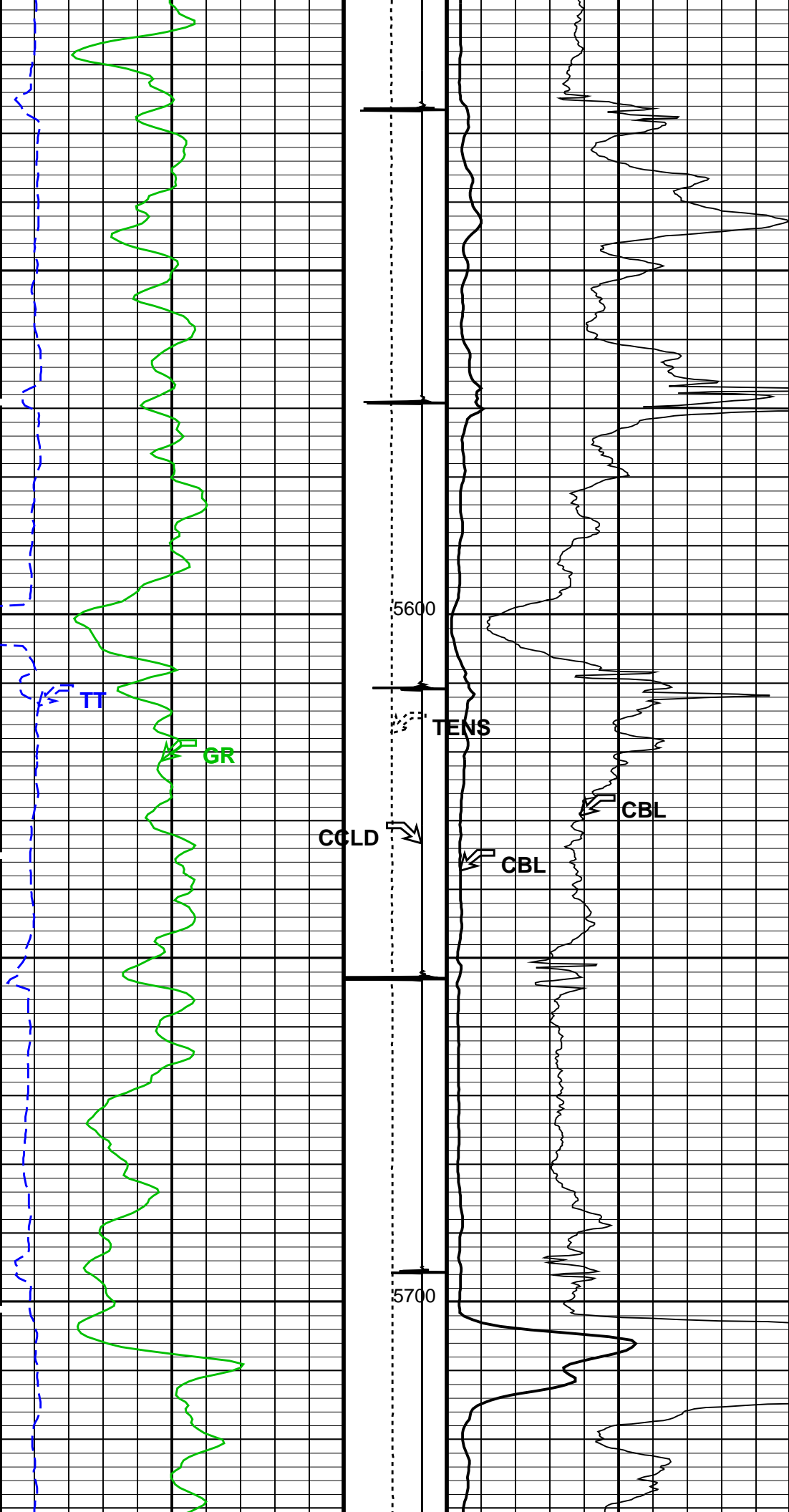


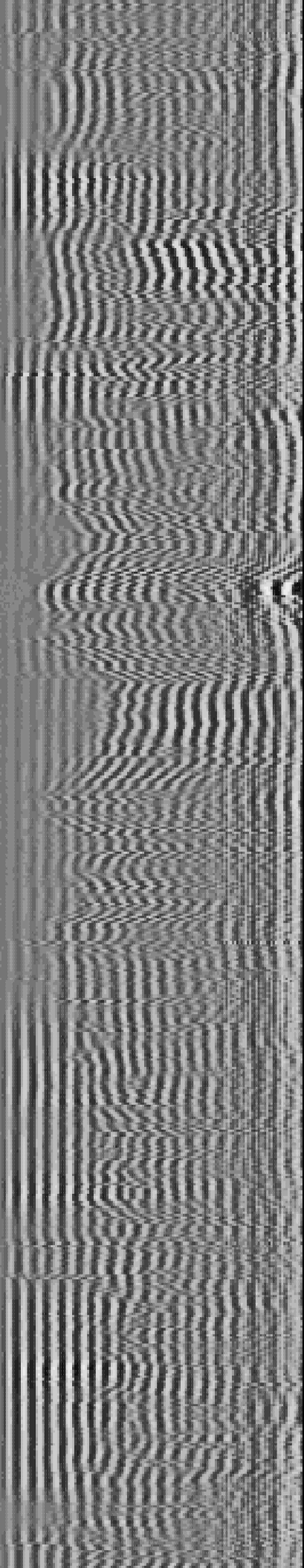
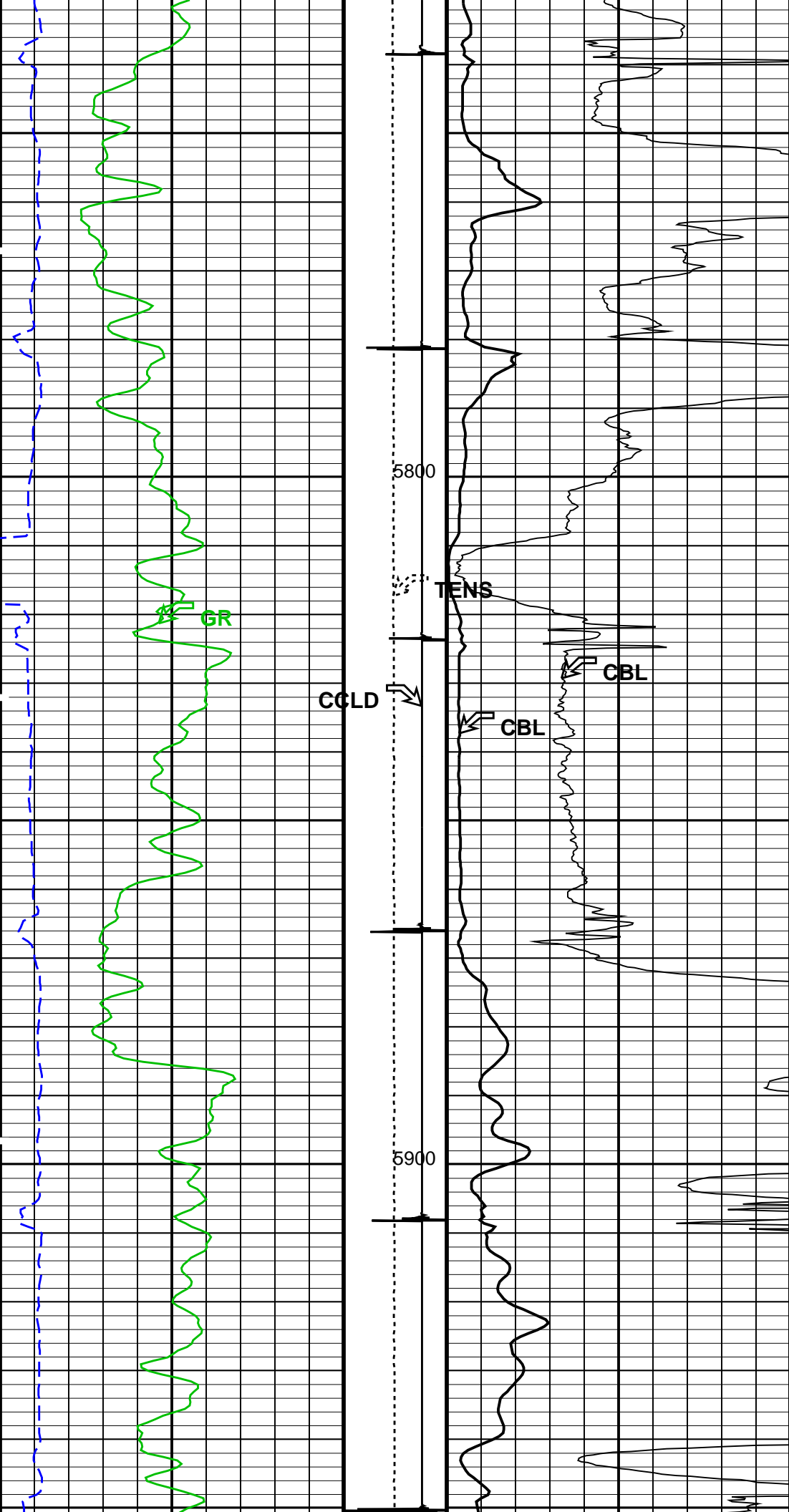


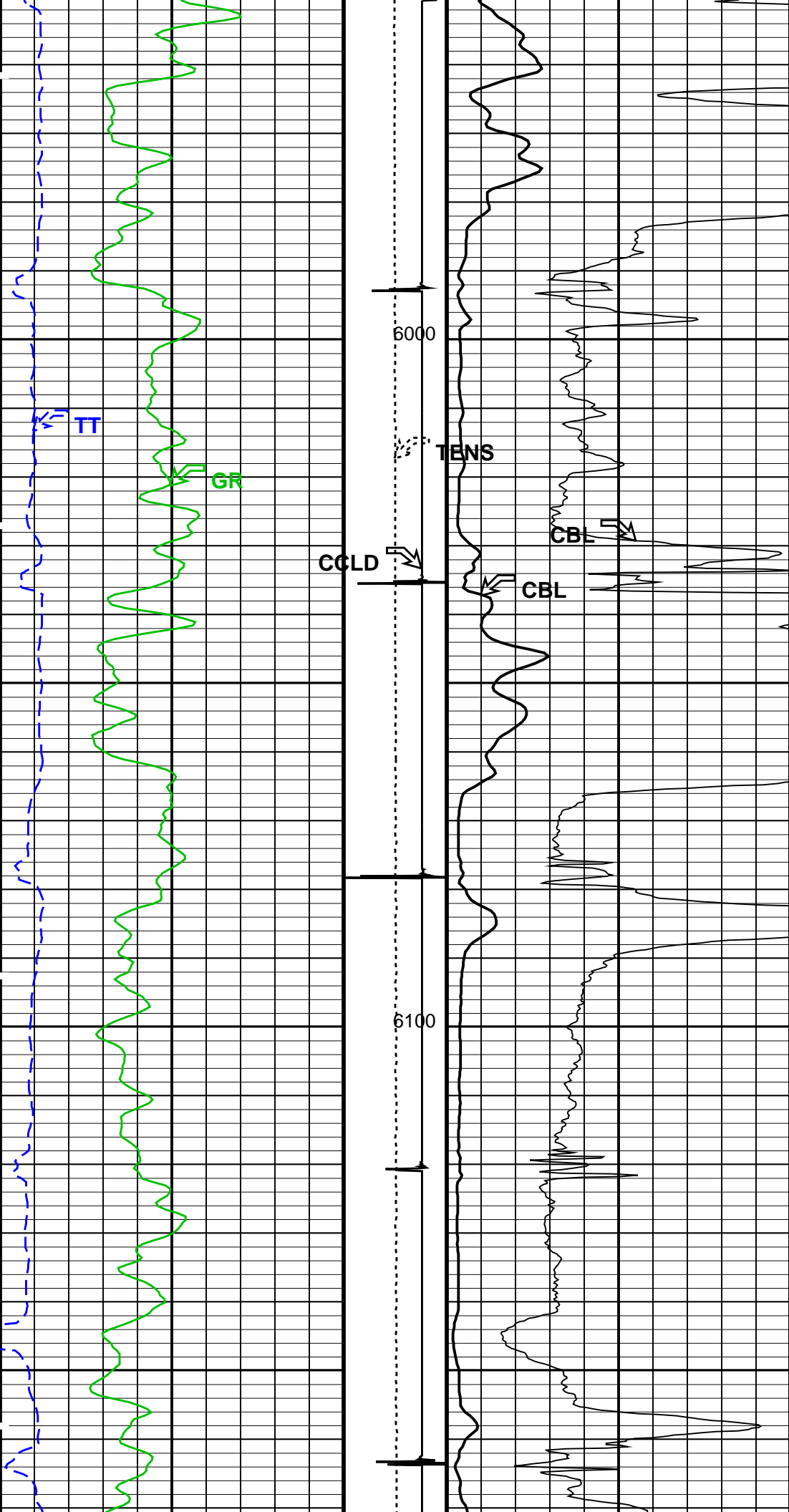


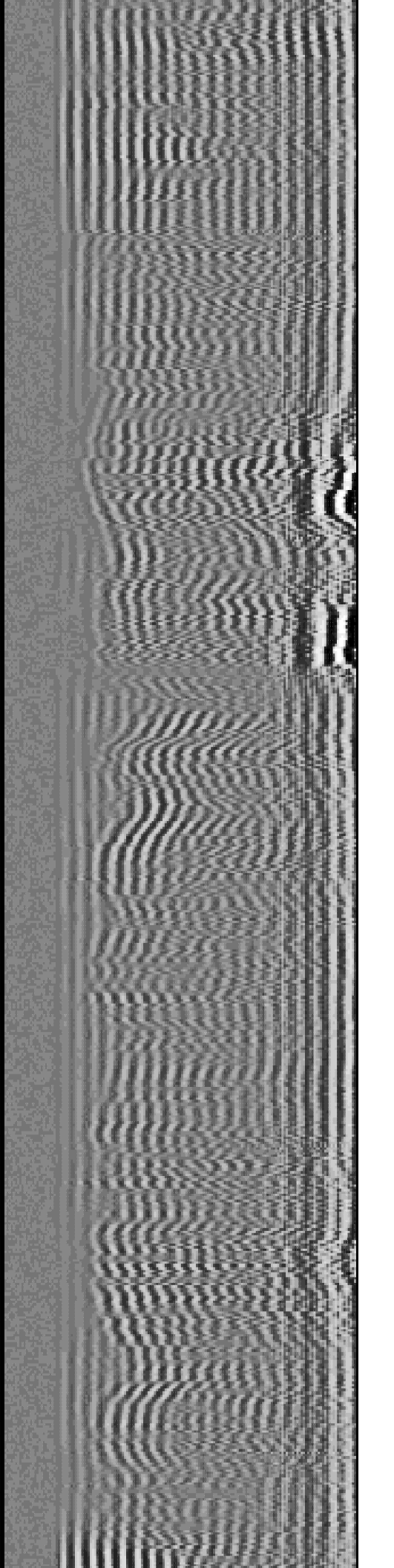
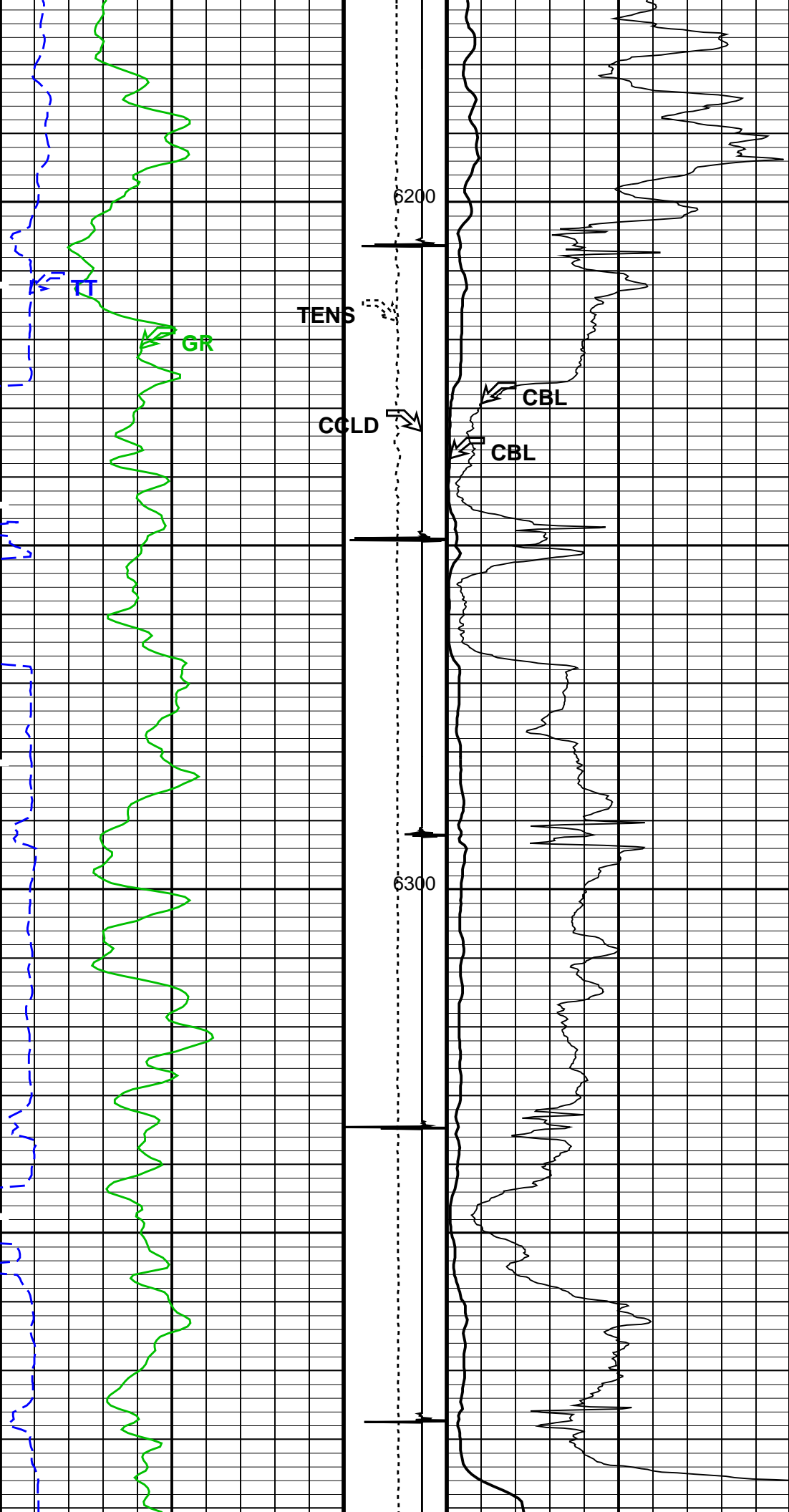


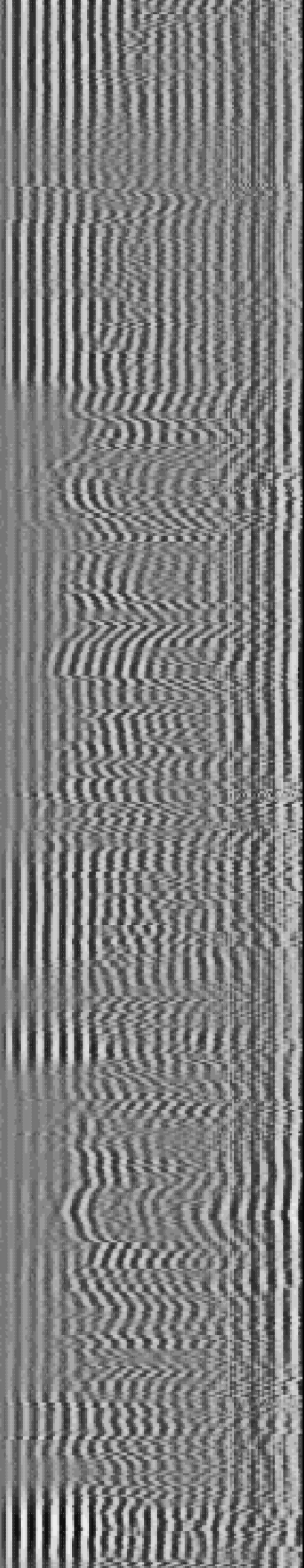
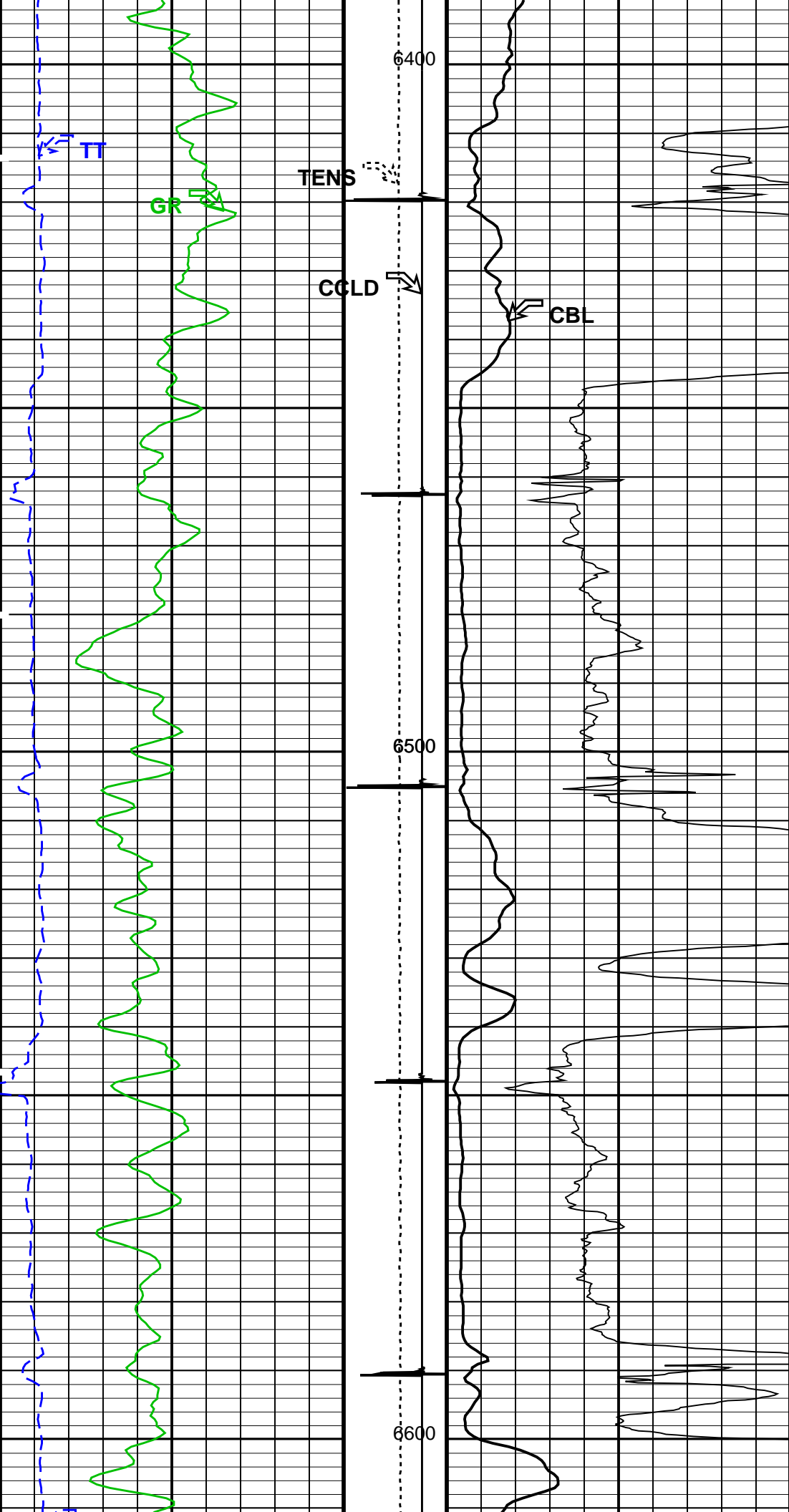


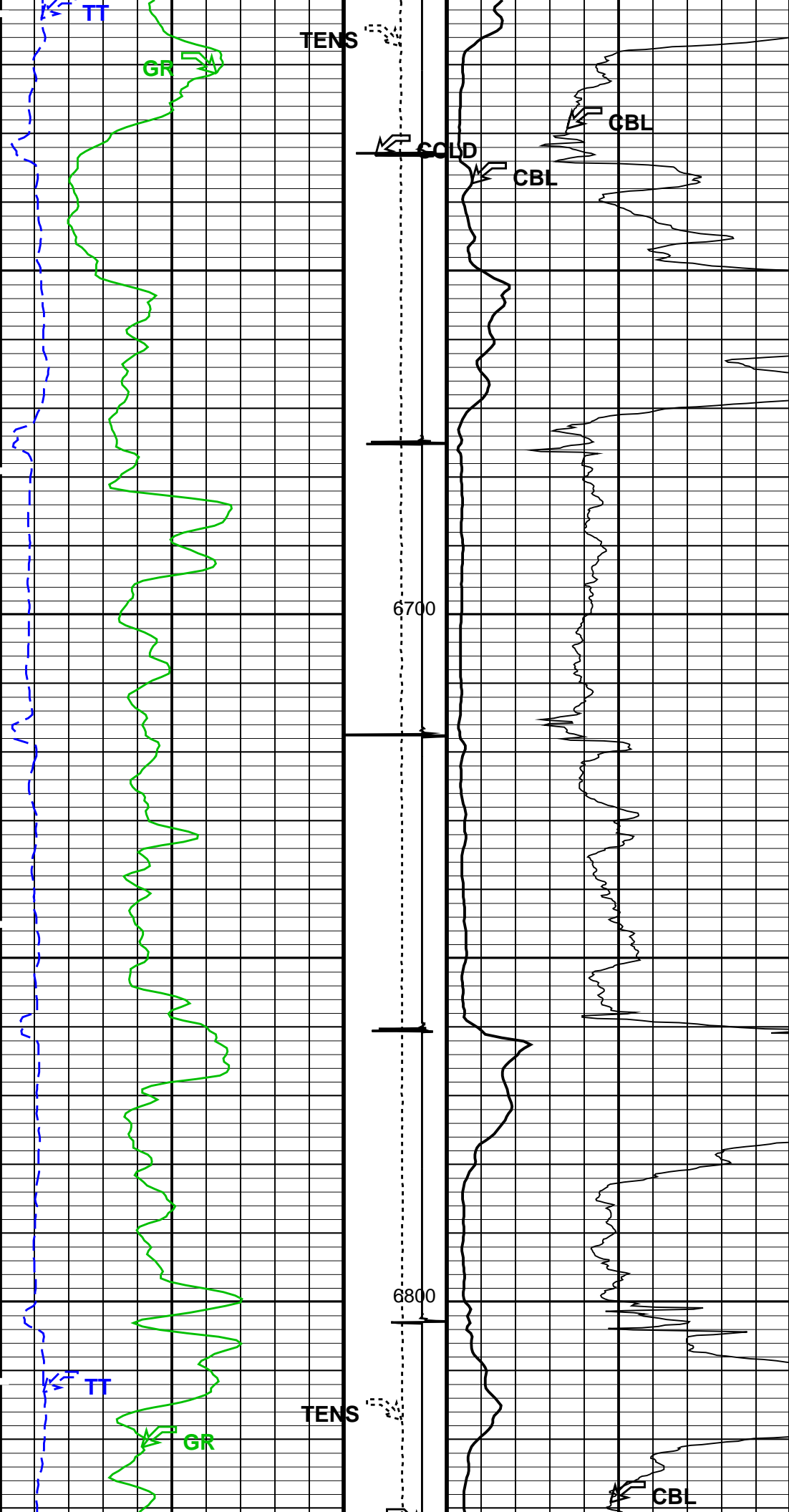


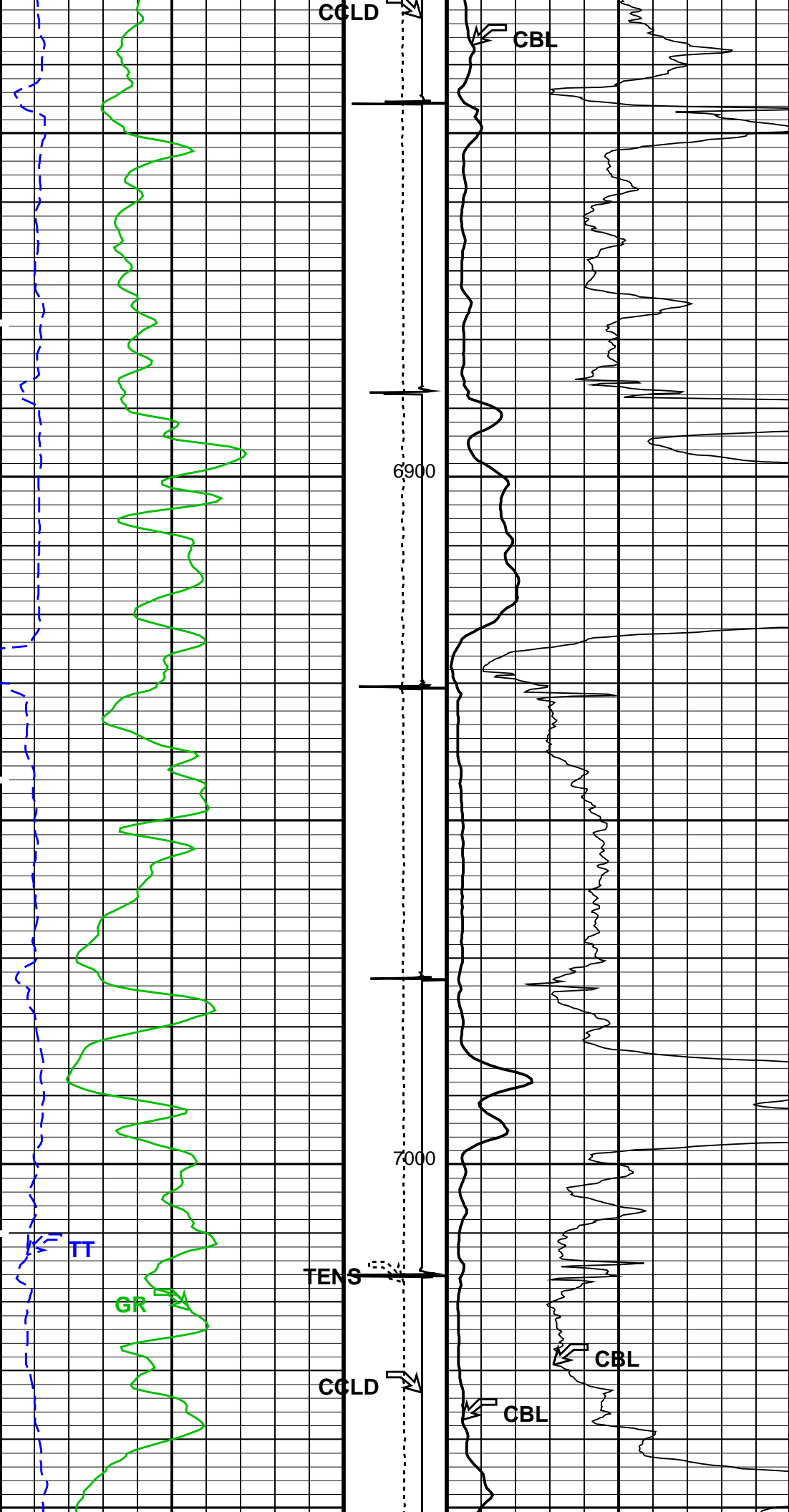


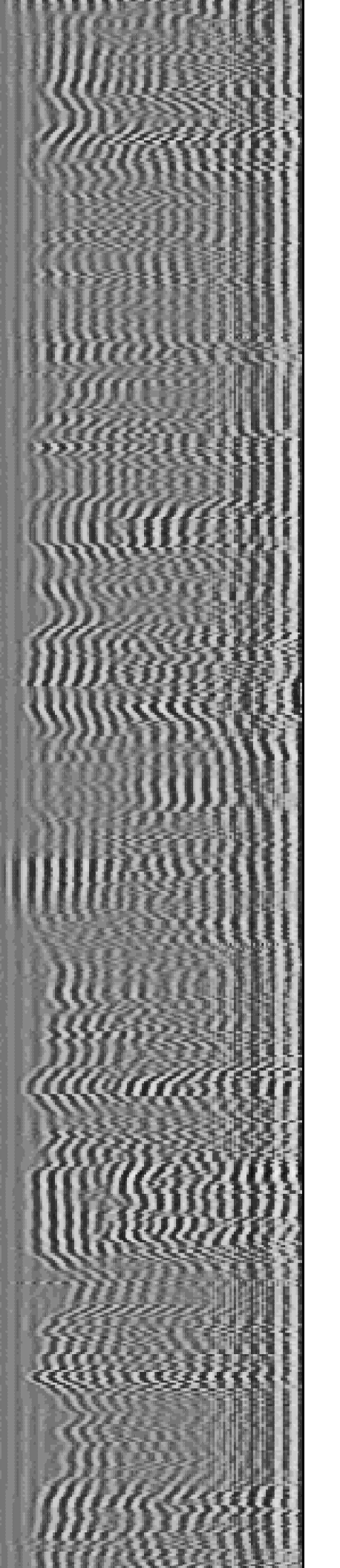
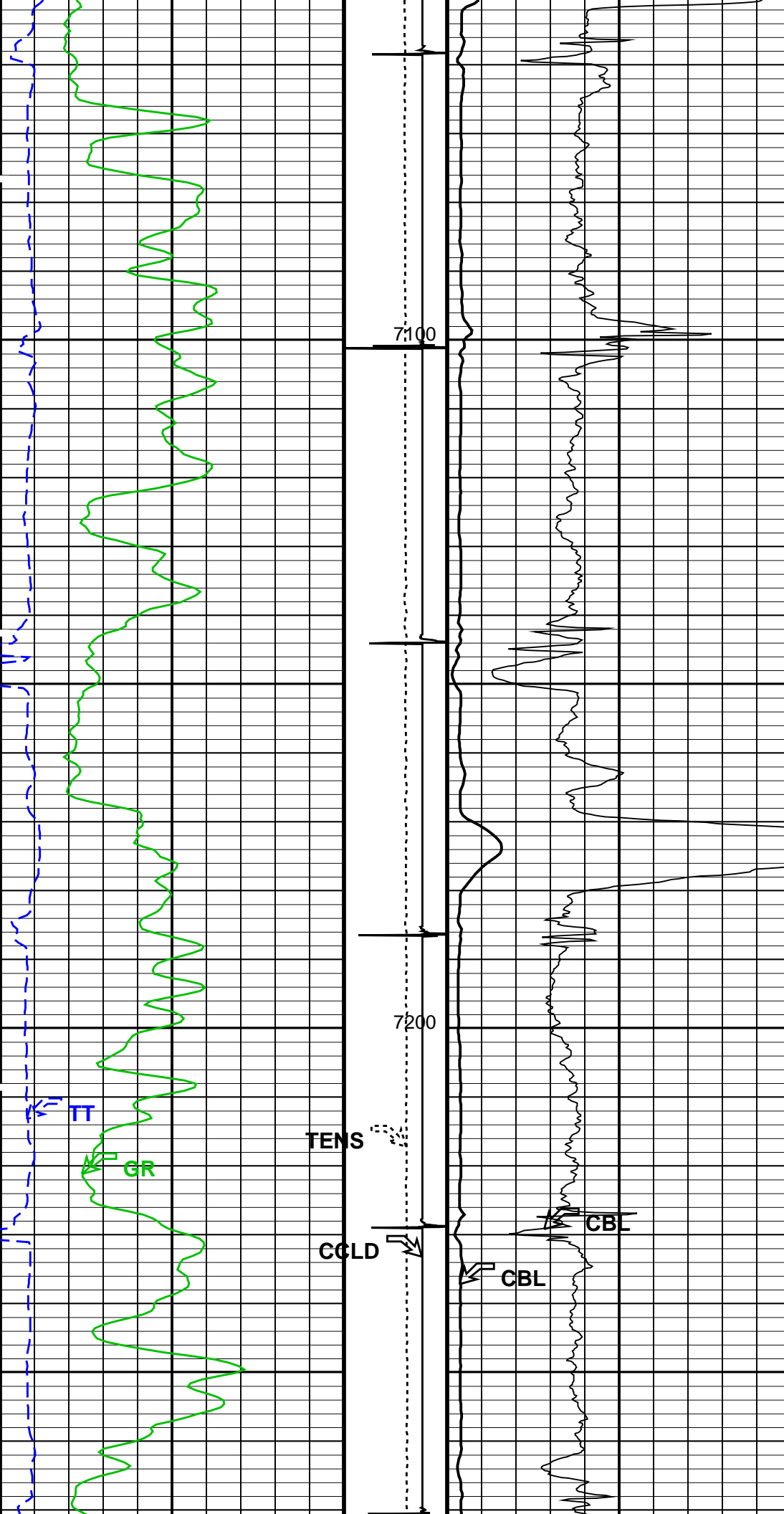


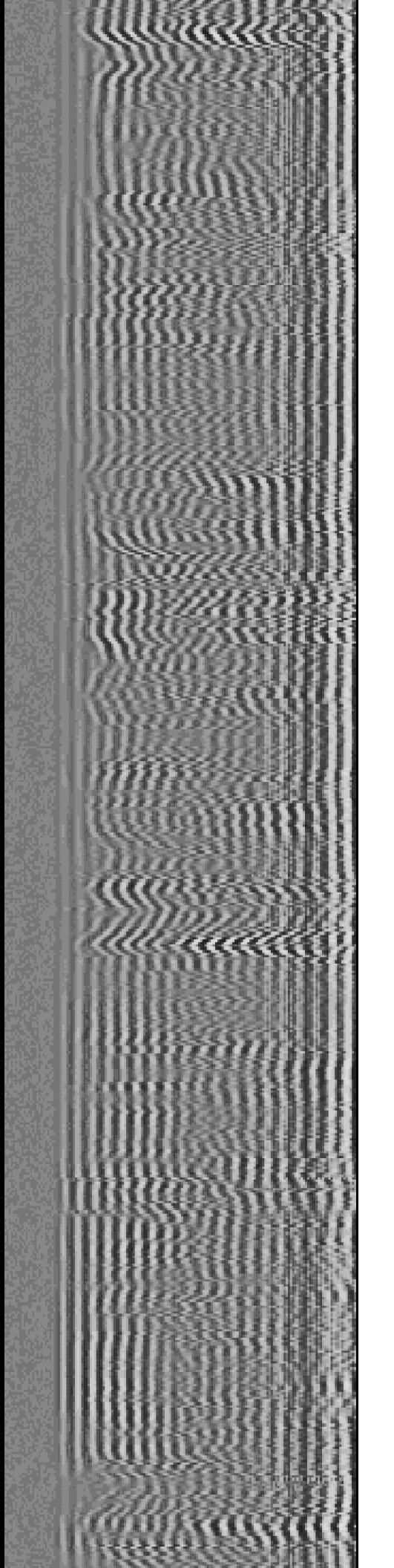
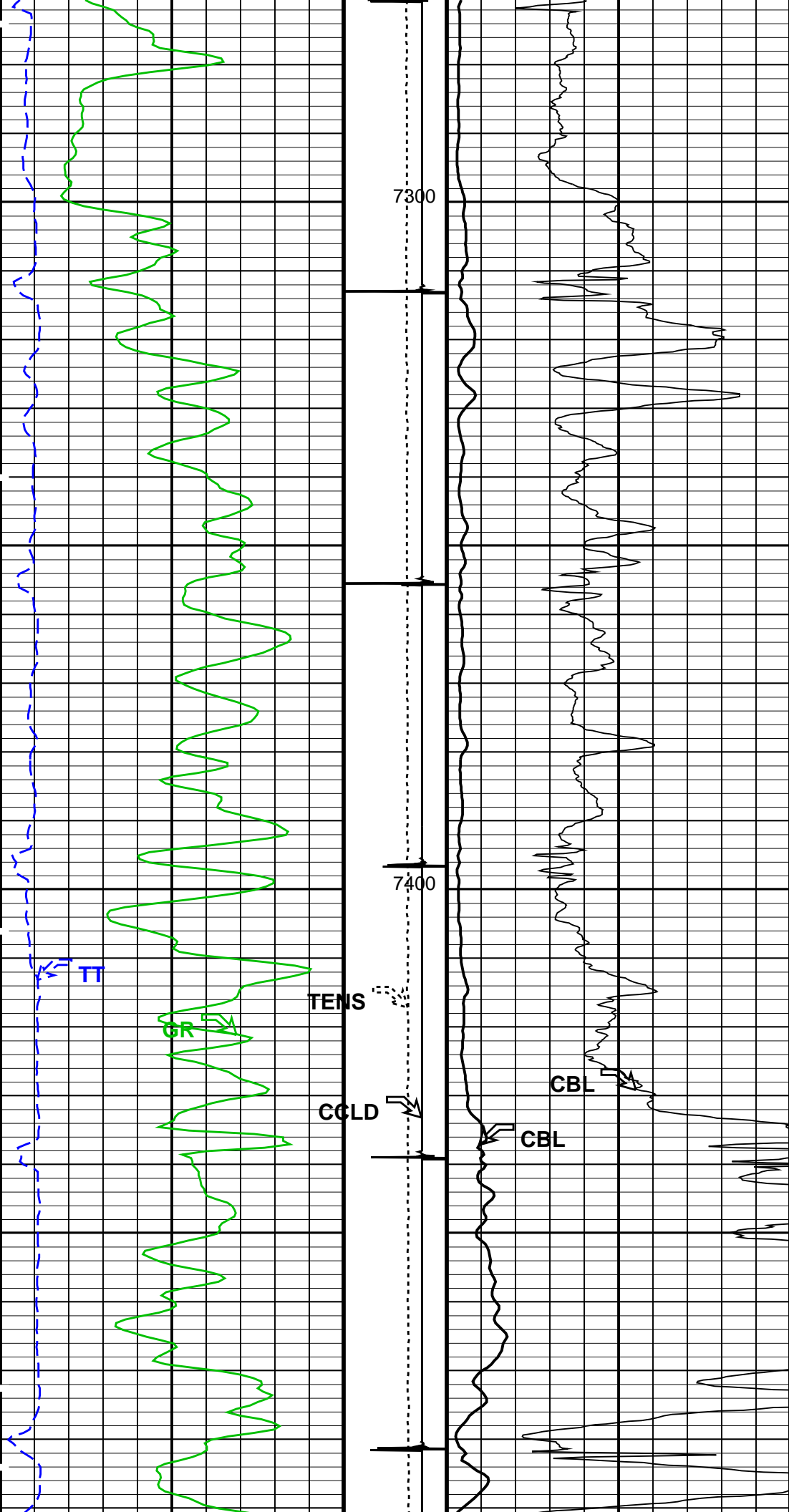


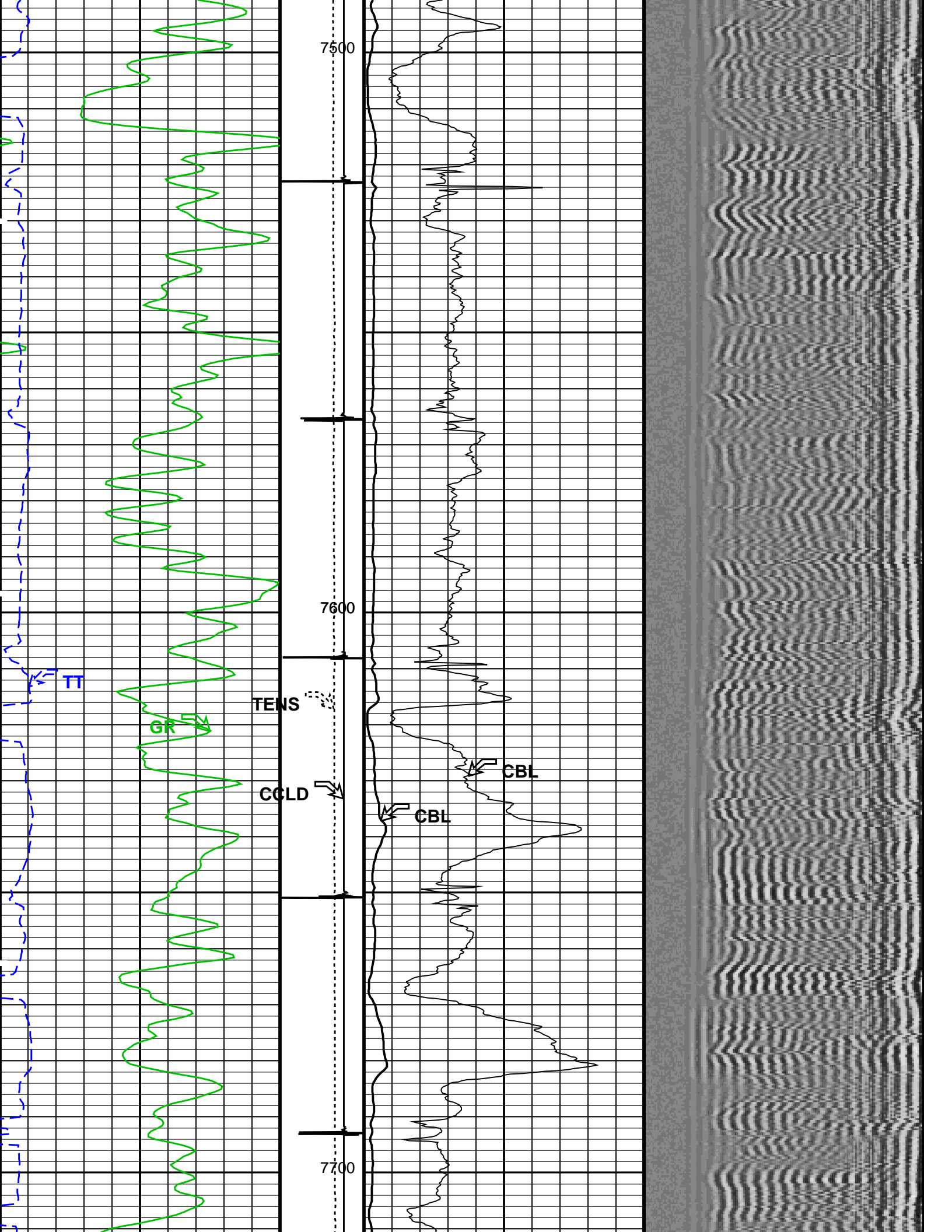


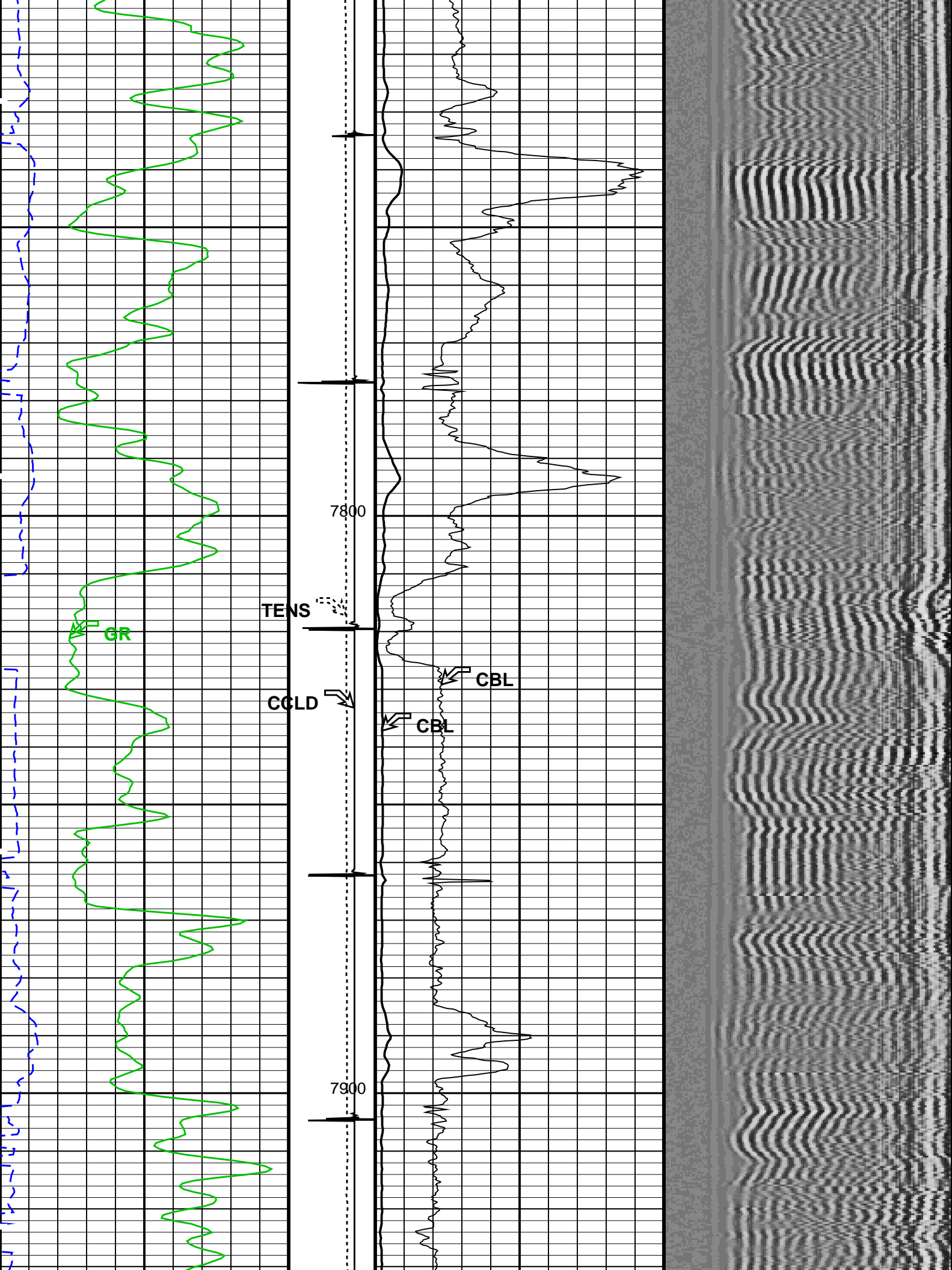


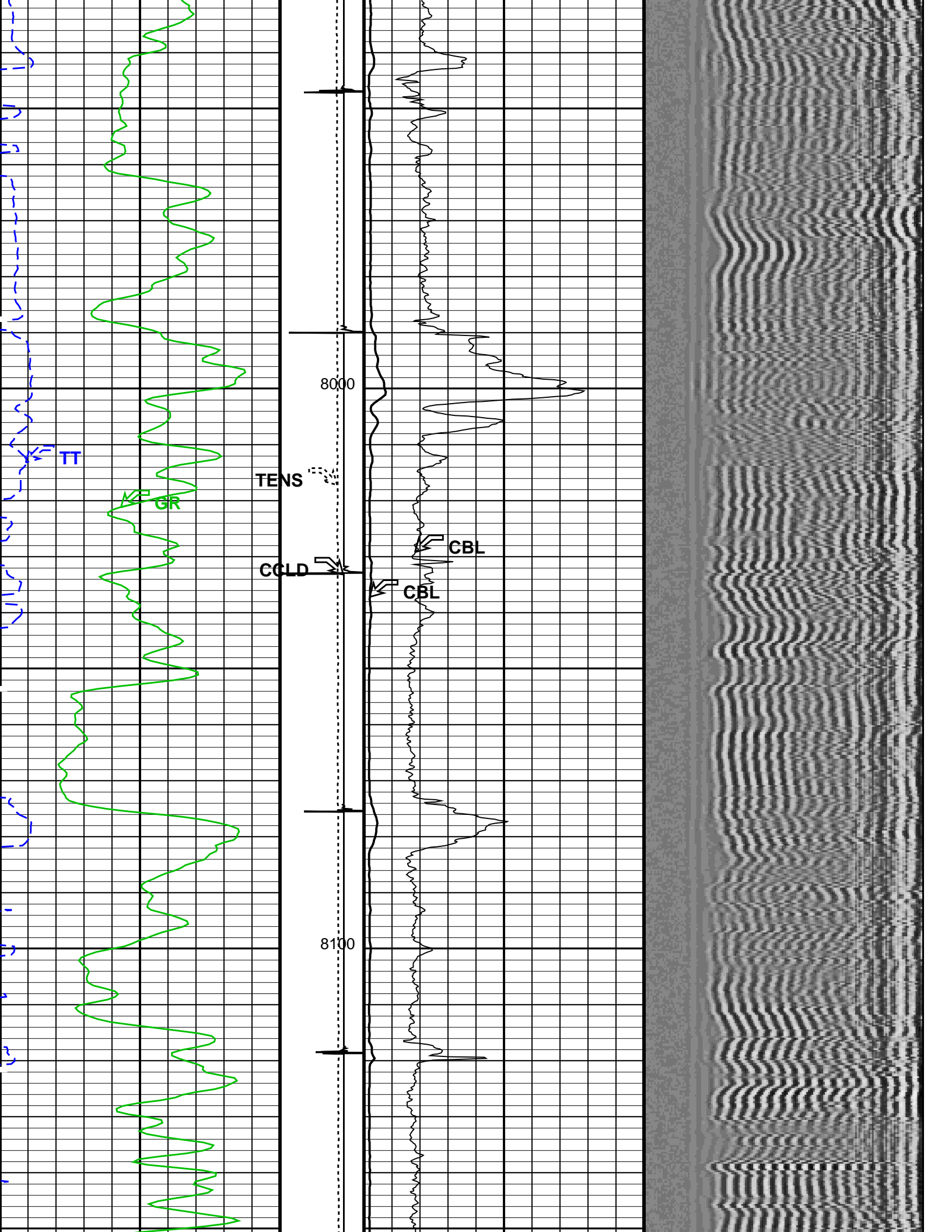


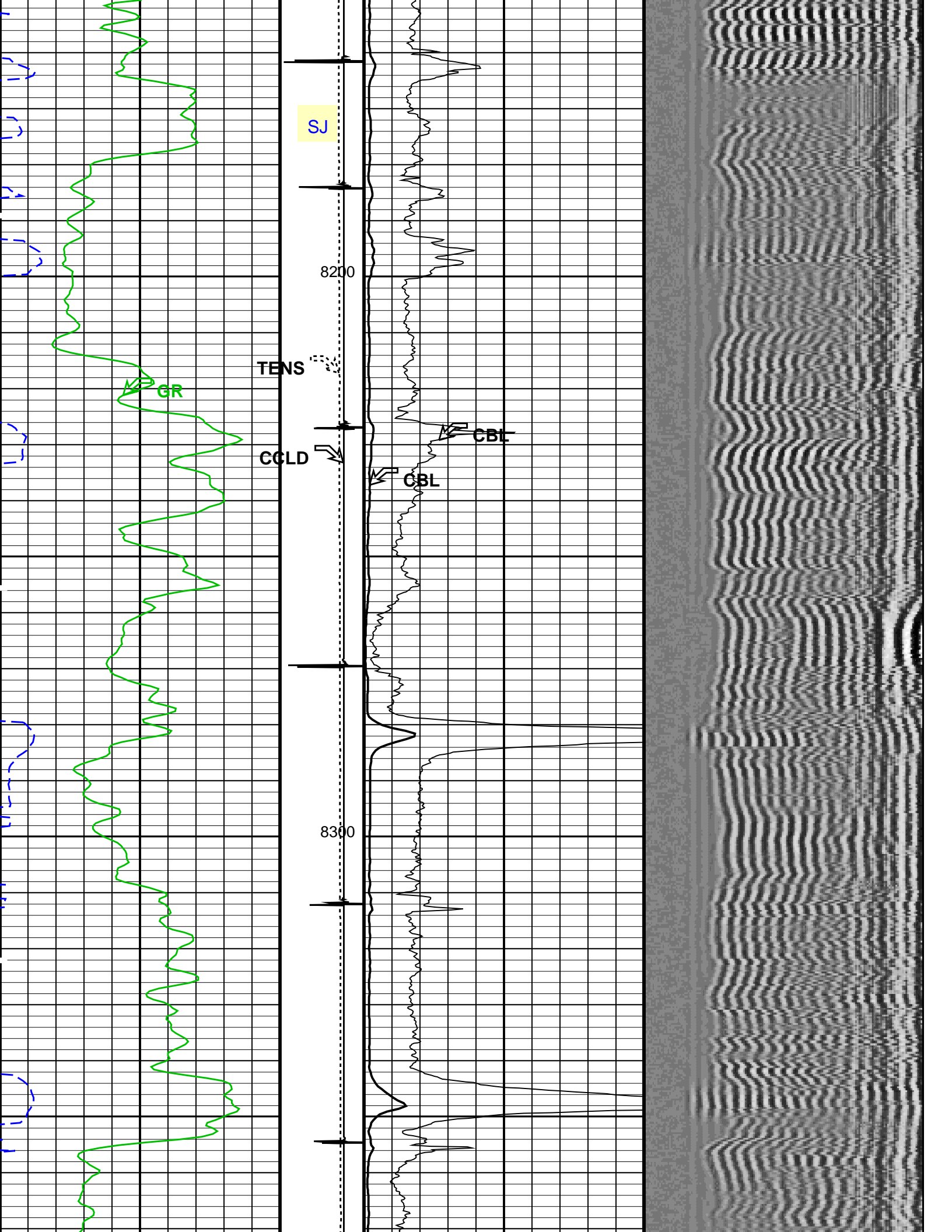


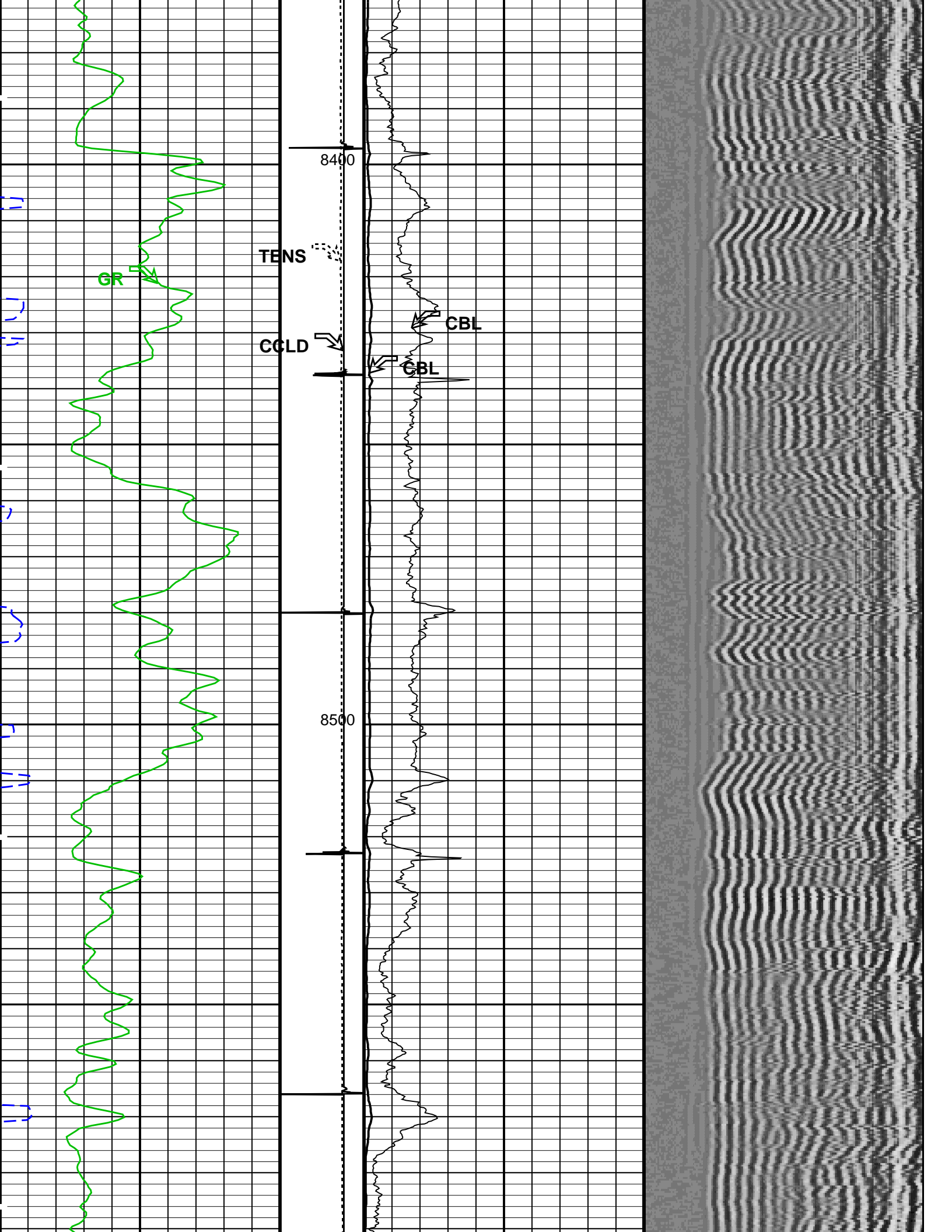


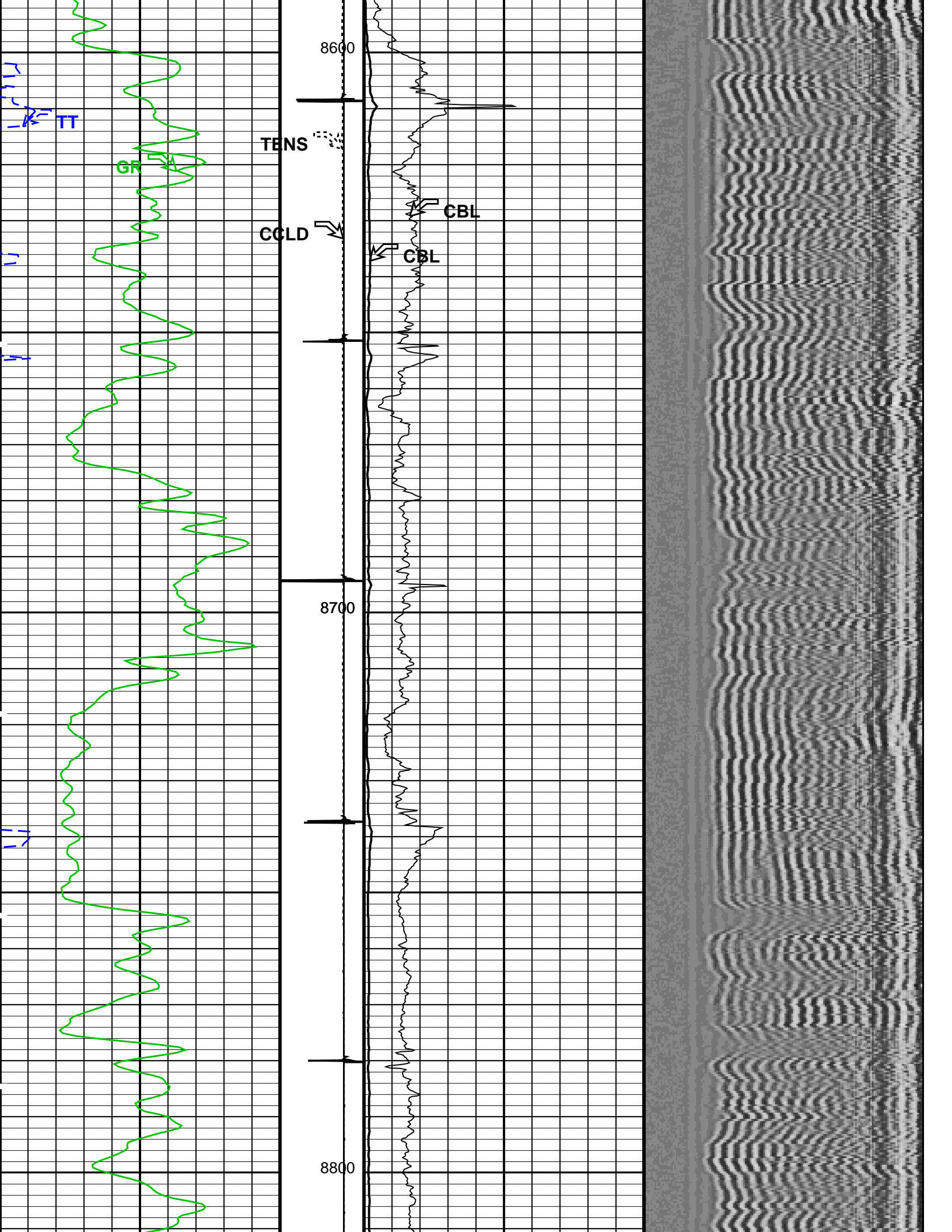


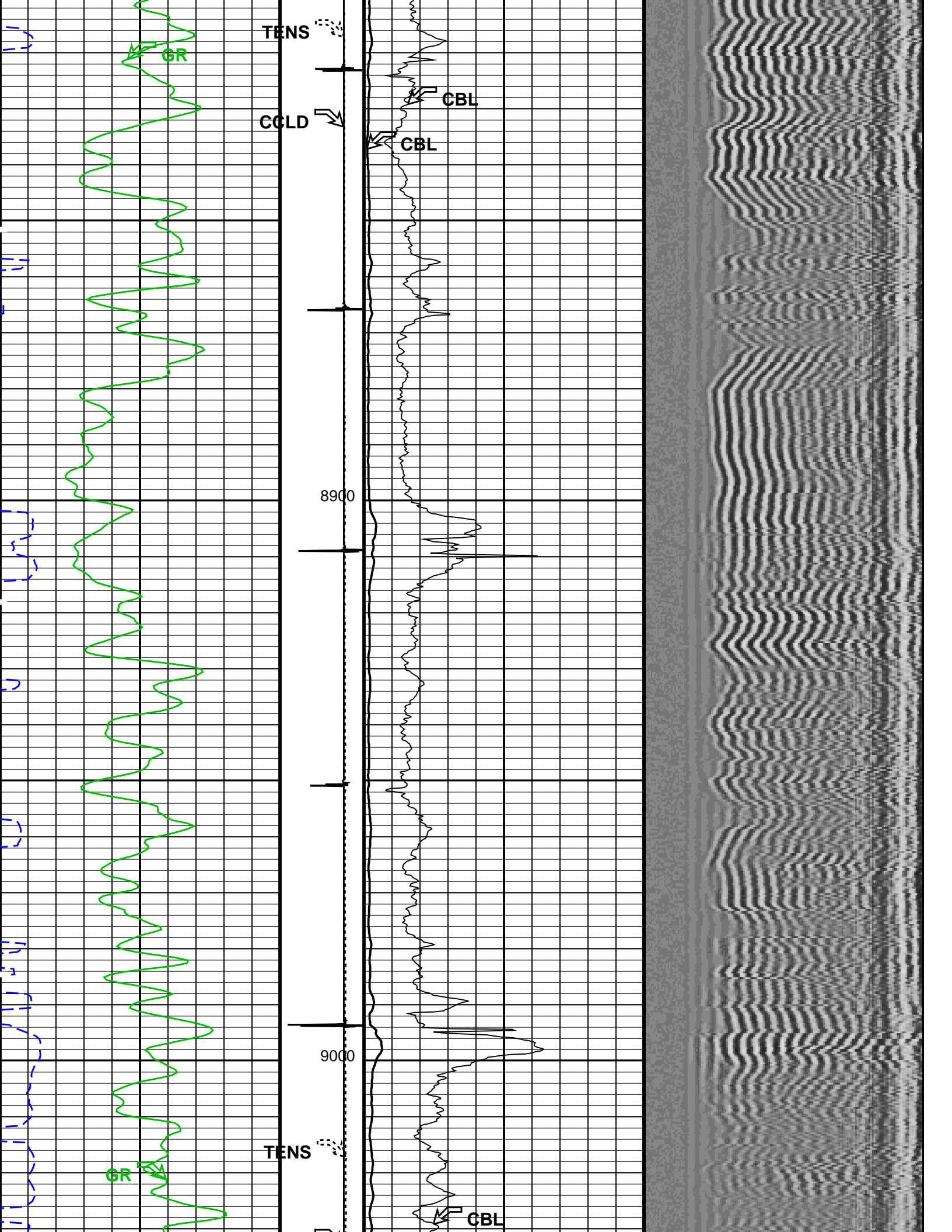


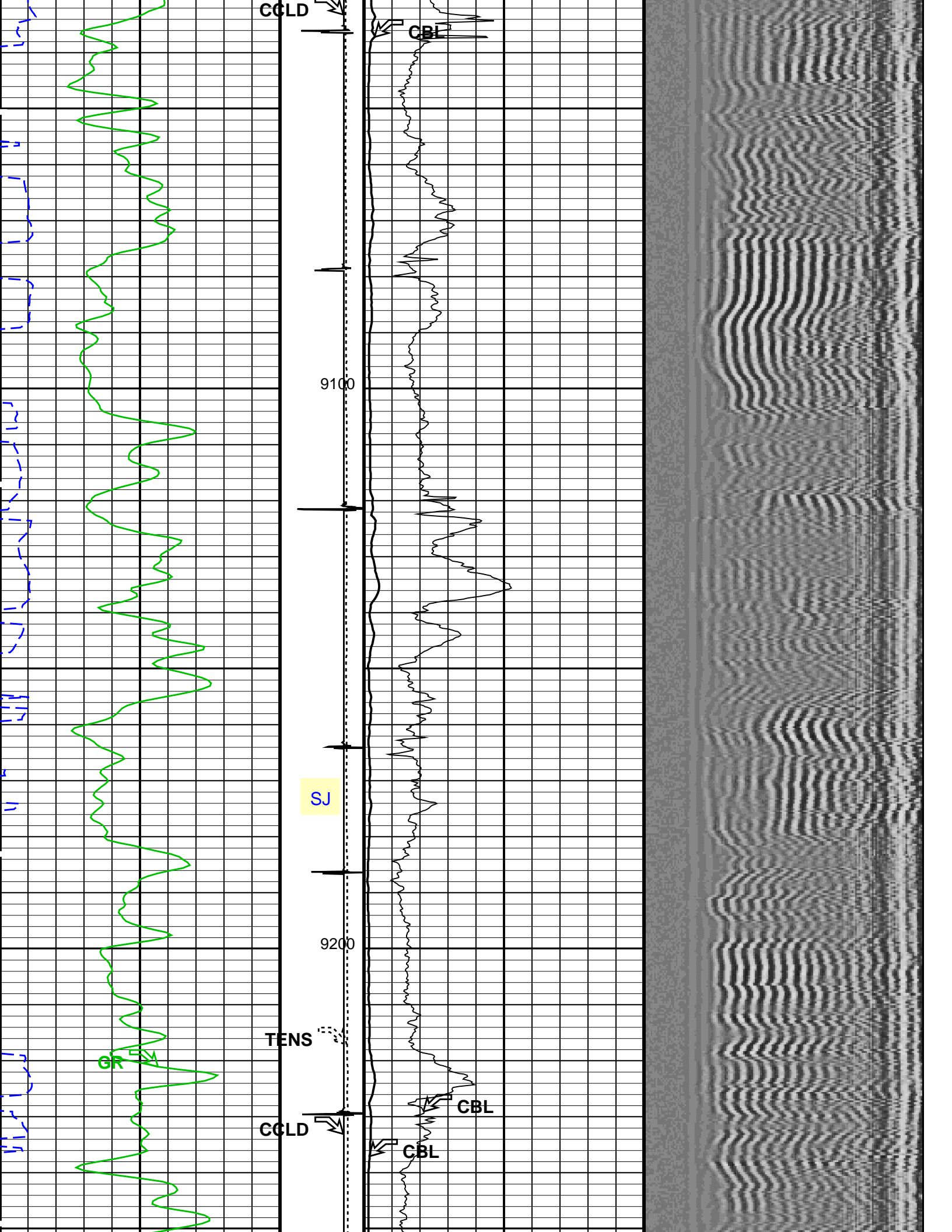


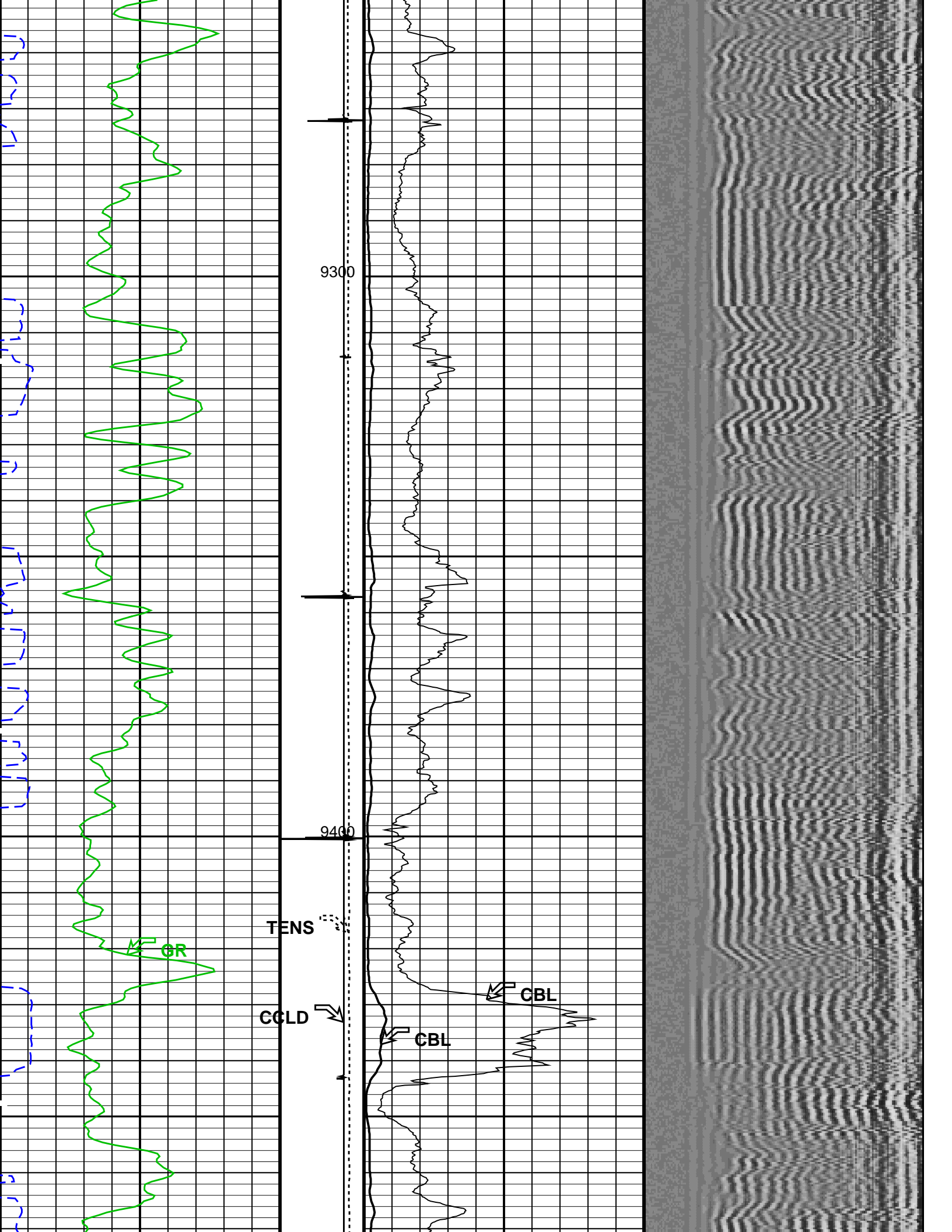


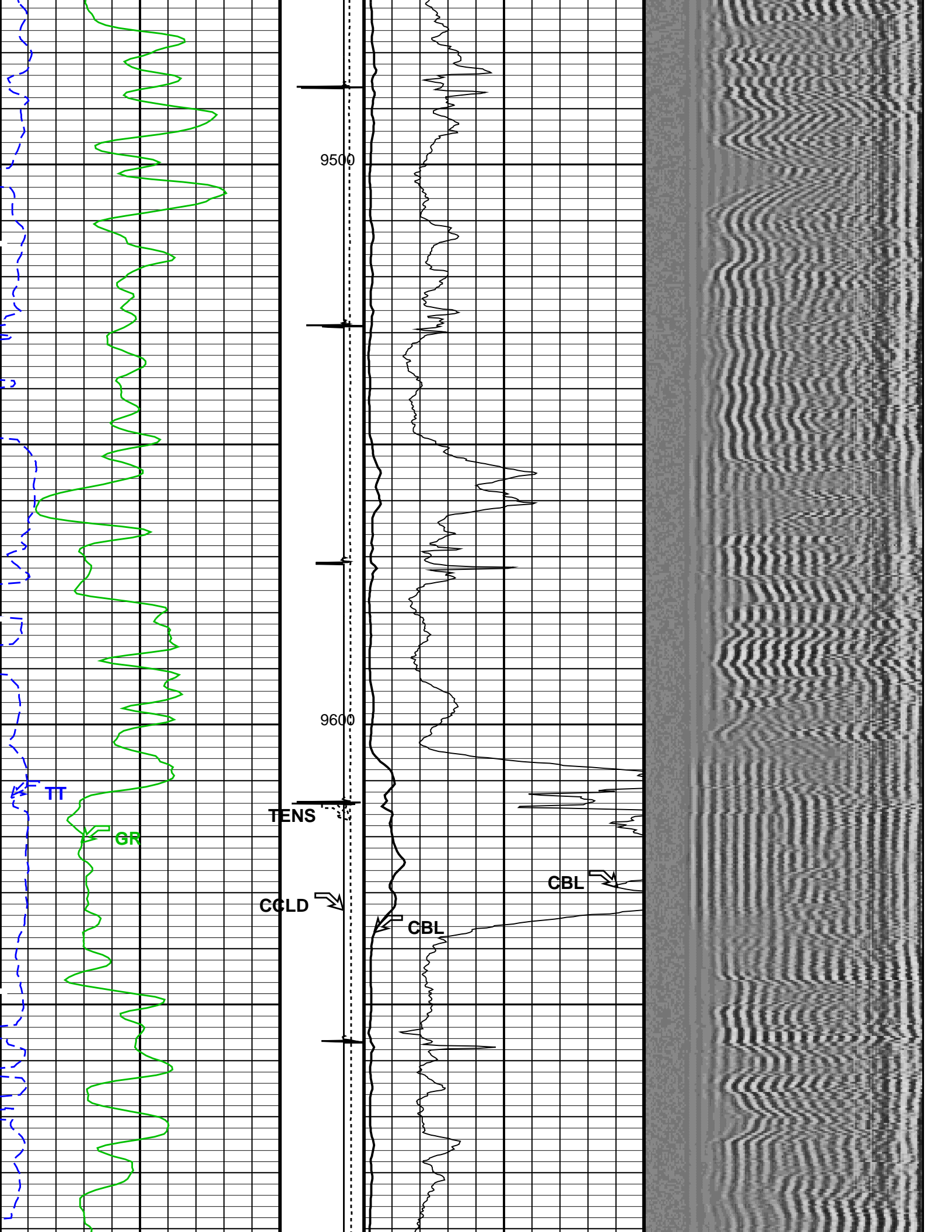


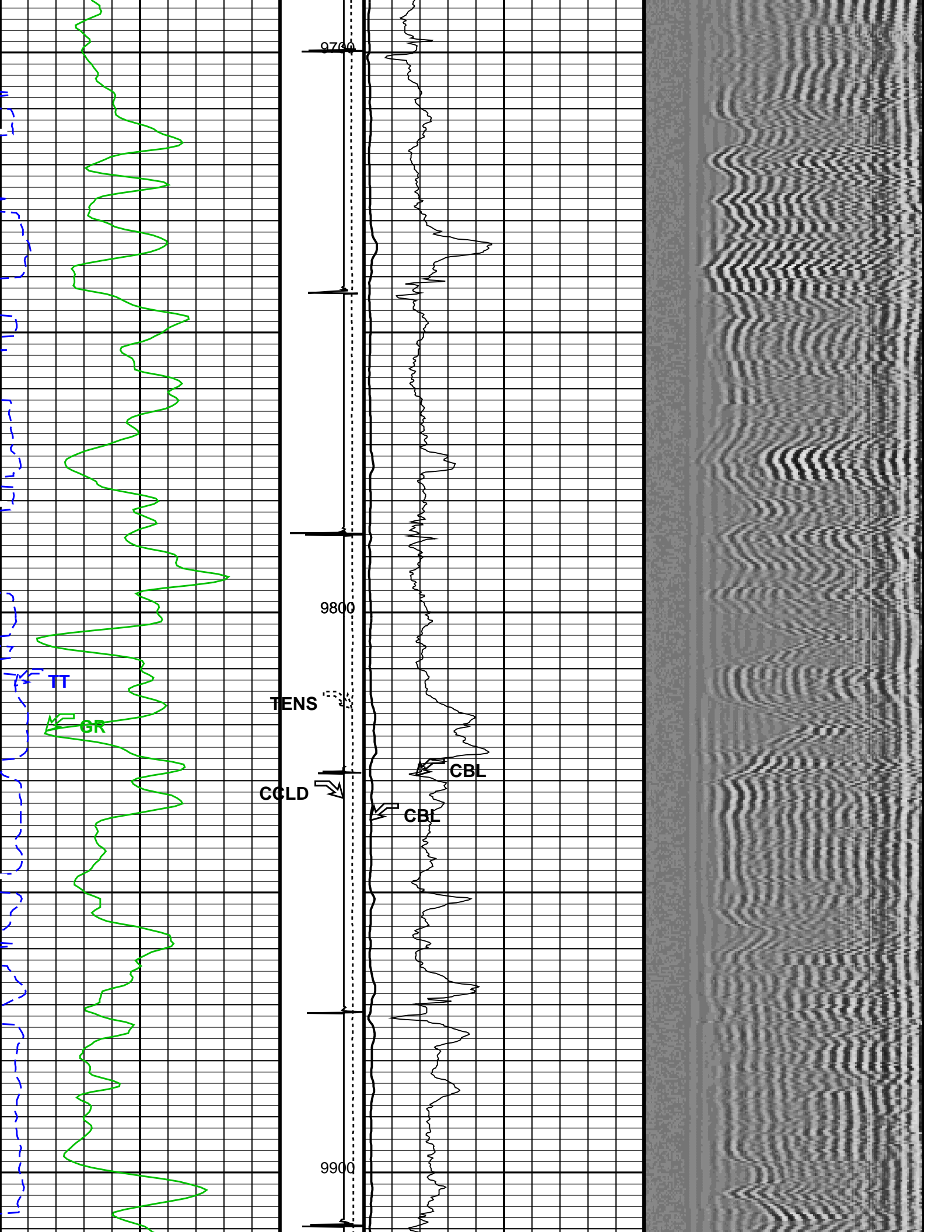


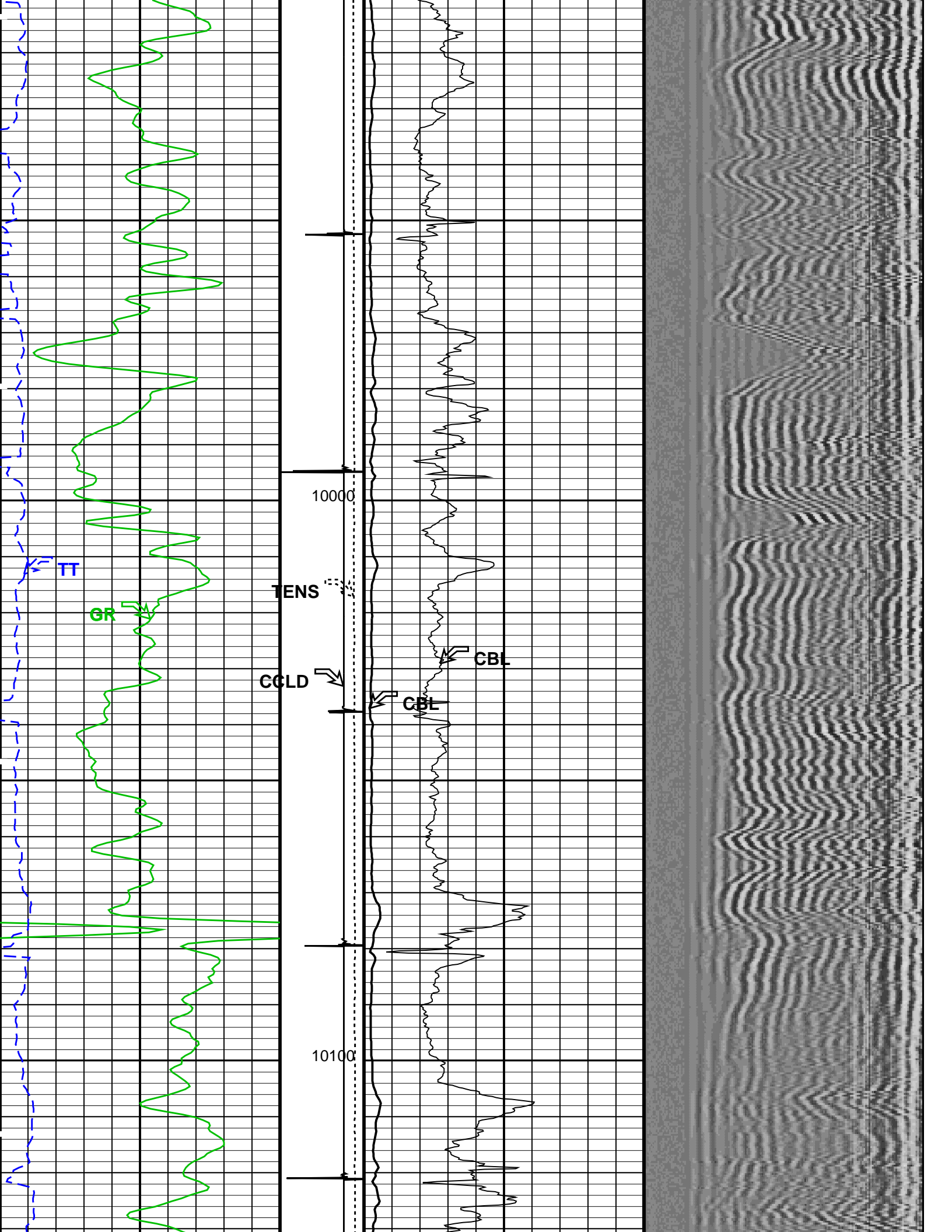


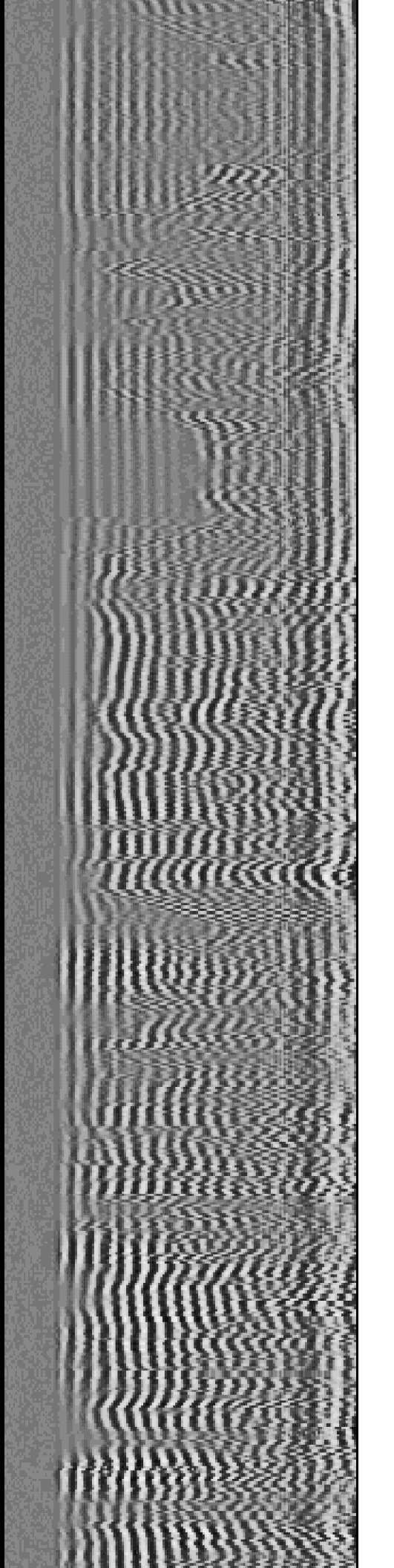
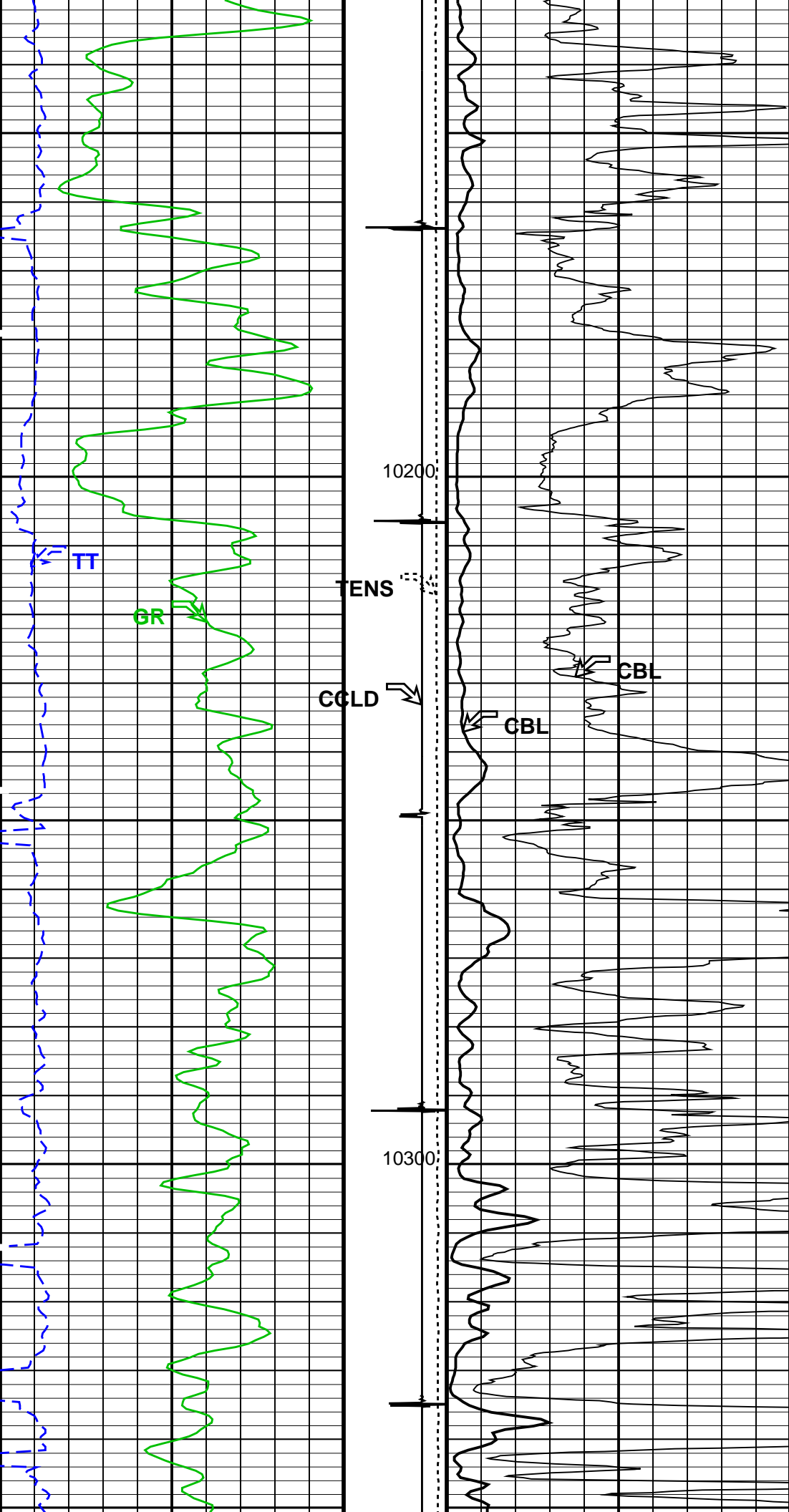


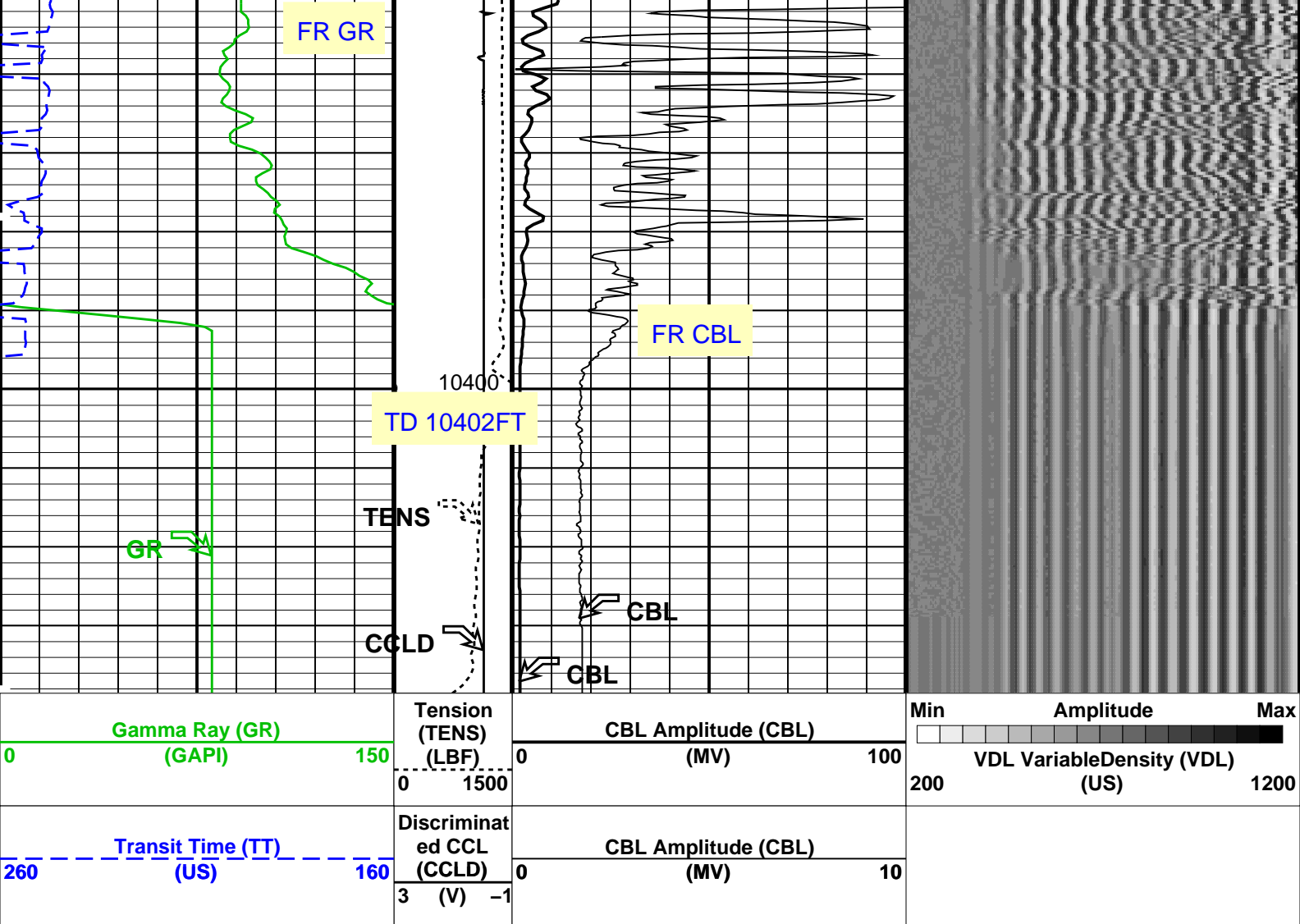












PIP SUMMARY

Time Mark Every 60 S

Format: CBL_VDL Vertical Scale: 5" per 100'

Graphics File Created: 29-Sep-2010 22:31

OP System Version: 17C0-154

SCMT-CB 17C0-154 RST-C 17C0-154
PSPT-A/B 17C0-154

<<<SCMT Cement Evaluation Information Summary>>>

Sonde Serial Number SCMS-CB 8143

Current Casing Size 4.5000 IN

Casing Weight 11.6000 LB/F

Expected CBL Amplitude in Free Pipe Section 80 MV

Minimum Sonic Amplitude 0.573313 MV (100% Cement)
1.53933 MV (80% Cement)
MAP Minimum Sonic Amplitude 4.27928 MV (100% Cement)
8.03705 MV (80% Cement)

Master Calibration (Normalization)

Before Calibration (Adjustment)

Date of Master Calibration 23-JUL-2010

CBL Correction Factor 0.0705711

CBL Adjustment Factor (CBAF) 1.0

MAP 1 Correction Factor 0.0957562

MAP Adjustment Factor (MPAF) 1.0

MAP 2 Correction Factor 0.106555

MAP 3 Correction Factor 0.132028

MAP 4 Correction Factor 0.127912

MAP 5 Correction Factor 0.122910

MAP 5 Correction Factor	0.122910
MAP 6 Correction Factor	0.115415
MAP 7 Correction Factor	0.115763
MAP 8 Correction Factor	0.0988873

Parameters

DLIS Name	Description	Value	
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD			
BILI	Bond Index Level for Zone Isolation	0.8	
BISS	Bond Index Source Selection for BIQL	BI	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	228.052	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	342.052	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	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	
CMTT	SCMT Tool position on CAN	5	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.255617	IN
DTF	Delta-T Fluid	203	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	0.992742	
GOBO	Good Bond	1.53933	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	171.052	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	4.27928	MV
MSA	Minimum Sonic Amplitude	0.573313	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
RBC	Relative Bearing Correction Allow/Disallow	ALLOW	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
RST-C: Reservoir Saturation Pro Tool C			
	Tractor Available in Tool String	NO	
AIRB	RST Air Borehole	No	
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	241	DEGF
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
CSID	Casing Size I.D.	4	IN
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	CU
PTIER	RST Tiered Presentation Selection	0_Customer	
PVL_PSNT_PRST	PVL Peak Signal/Noise Threshold	3	
RGAI	Near/Far Gain Calibration Ratio	1	
SHT	Surface Hole Temperature	68	DEGF
TIER_IC	RST IC Acquisition Mode	0_CO_Yield_and_Spectrolith	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
WOFSL_PRST	RST WFL-Off Subcycle Length	0	
WONSL_PRST	RST WFL-On Subcycle Length	0	
WSCOM_PRST	RST Station Log Comment		
PSPT-A/B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	241	DEGF
CSID	Casing Size I.D.	4	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
PBPO	PBMS Tool position on CAN	2	

PCCG	PBMS CCL Gain	DB12	
PSTP	PSTC Tool Position on CAN Bus	1	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
ALTDPC	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	7.880	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	22.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	10402	FT
TDD	Total Depth - Driller	10482.00	FT
TDL	Total Depth - Logger	10402.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Output DLIS Files

DEFAULT SCMT_RST_PSP_014LUP FN:13 PRODUCER 29-Sep-2010 22:31

Schlumberger

REPEAT ANALYSIS

MAXIS Field Log

Company: ENCANA OIL & GAS INC (USA) Well: GMR 8-5B1 (K8W)

Input DLIS Files

DEFAULT SCMT_RST_PSP_013PUP FN:12 PRODUCER 29-Sep-2010 22:30 10434.0 FT 10021.5 FT

Output DLIS Files

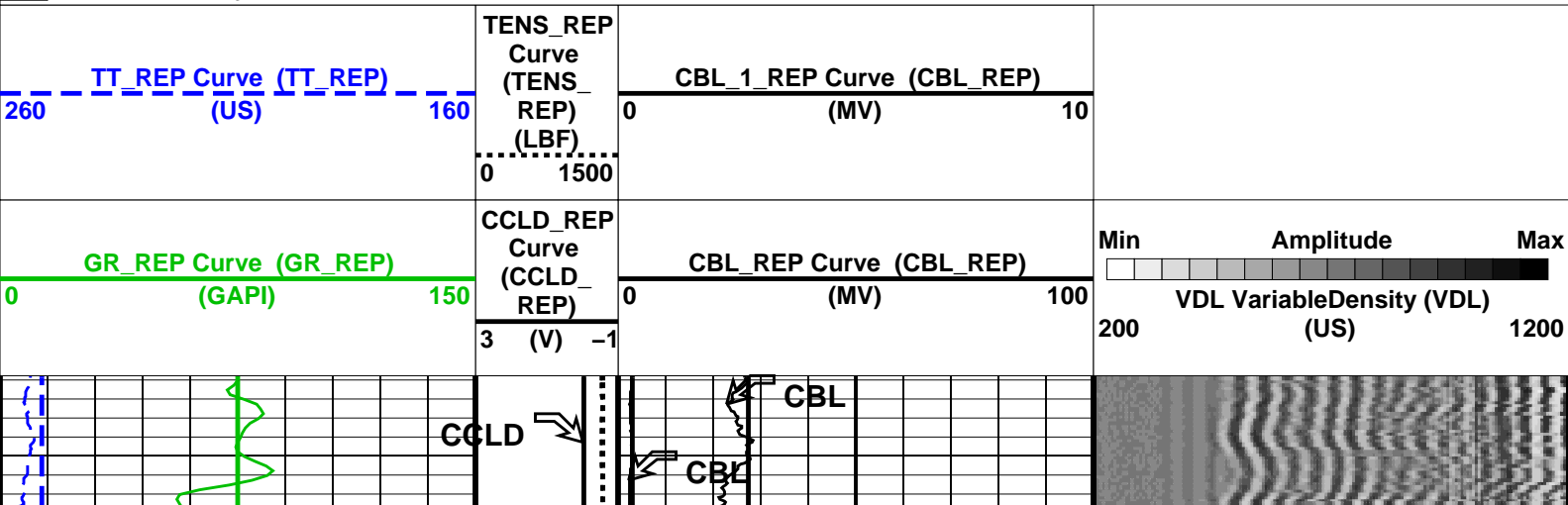
DEFAULT SCMT_RST_PSP_014LUP FN:13 PRODUCER 29-Sep-2010 22:31

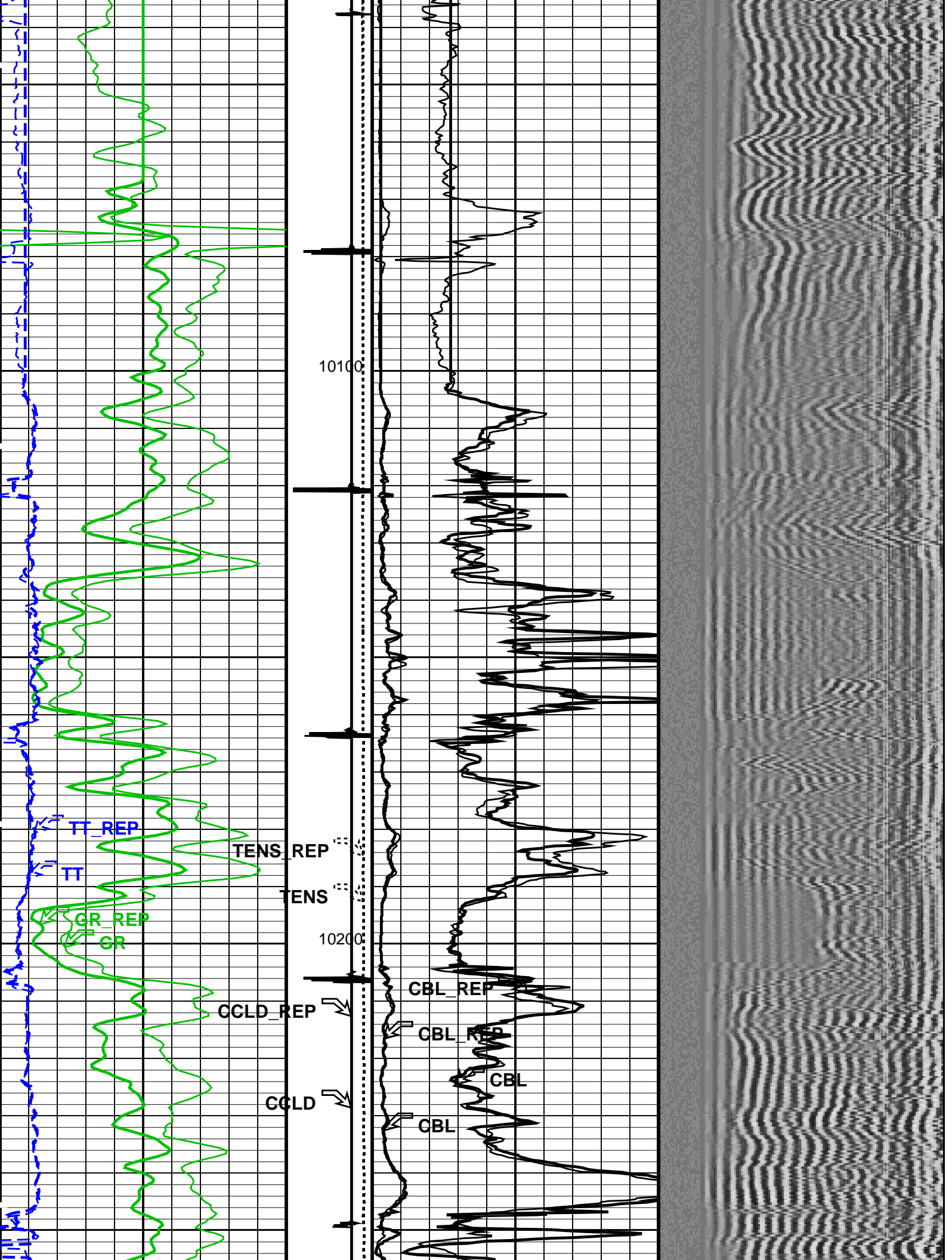
OP System Version: 17C0-154

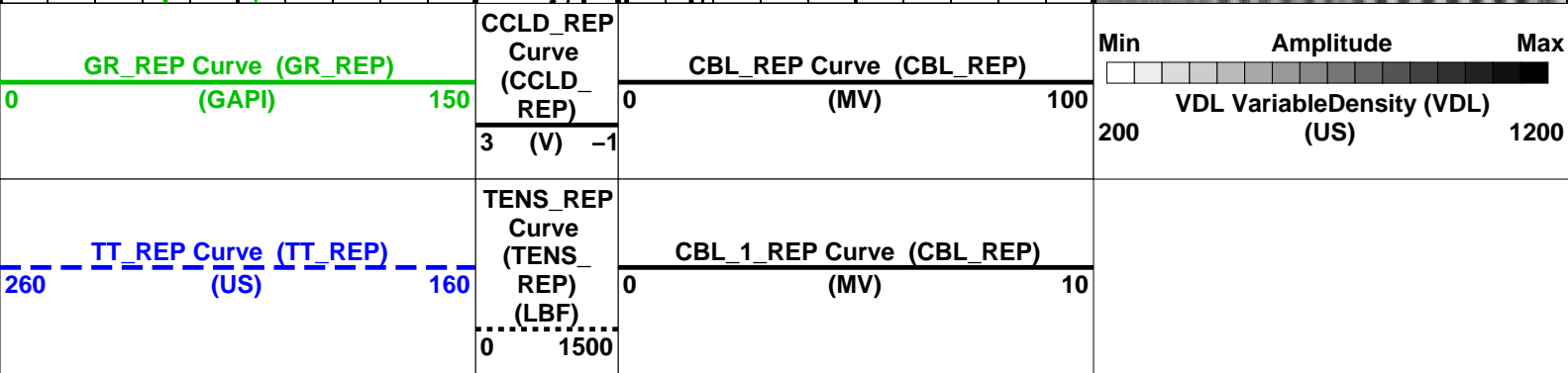
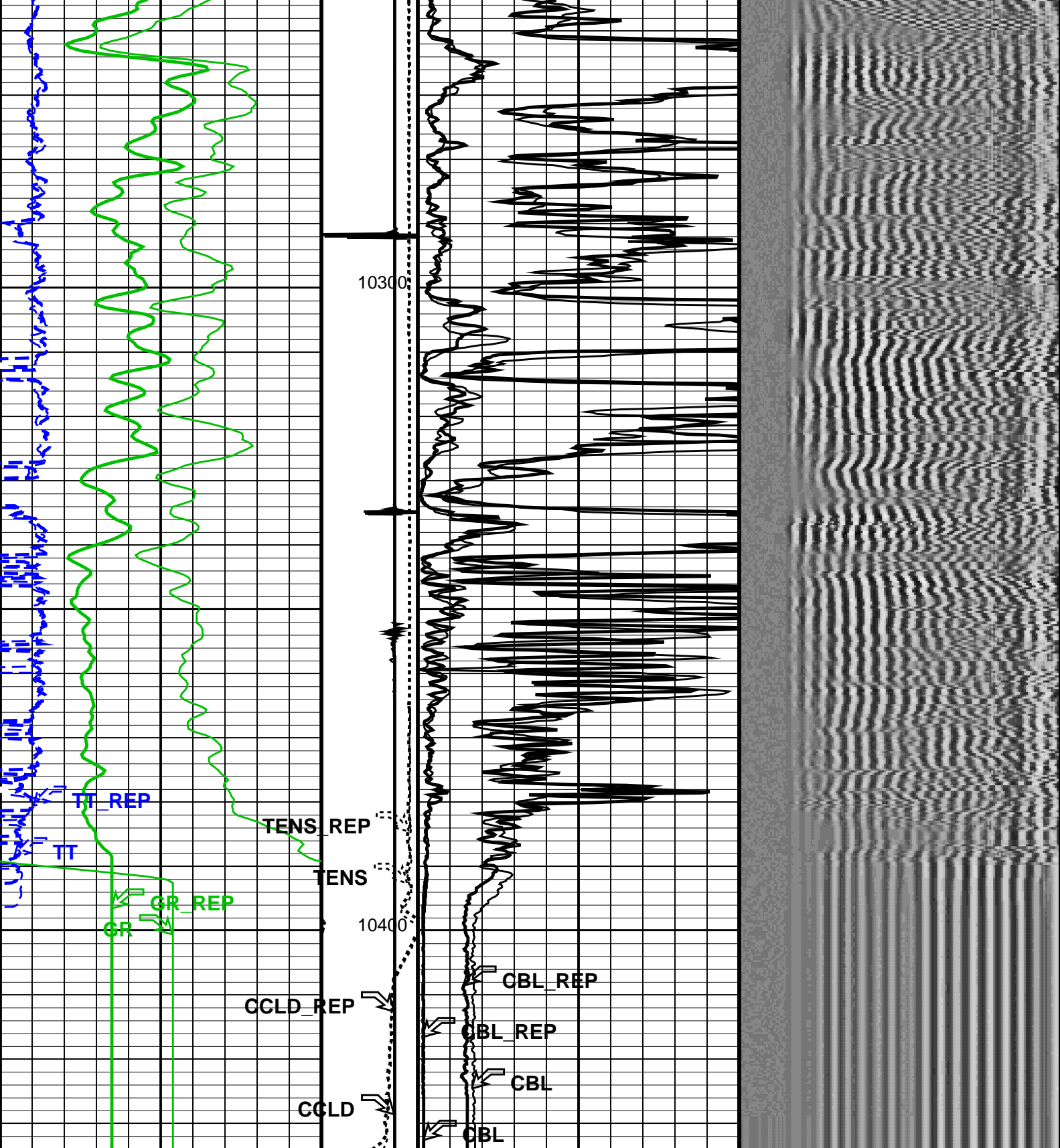
SCMT-CB	17C0-154	RST-C	17C0-154
PSPT-A/B	17C0-154		

PIP SUMMARY

Time Mark Every 60 S







AIRB	Tractor Available in Tool String	NO	
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	241	DEGF
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
CSID	Casing Size I.D.	4	IN
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	CU
PTIER	RST Tiered Presentation Selection	0_Customer	
PVL_PSNT_PRST	PVL Peak Signal/Noise Threshold	3	
RGAI	Near/Far Gain Calibration Ratio	1	
SHT	Surface Hole Temperature	68	DEGF
TIER_IC	RST IC Acquisition Mode	0_CO_Yield_and_Spectrolith	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
WOFSL_PRST	RST WFL-Off Subcycle Length	0	
WONSL_PRST	RST WFL-On Subcycle Length	0	
WSCOM_PRST	RST Station Log Comment		
PSPT-A/B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	241	DEGF
CSID	Casing Size I.D.	4	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
PBPO	PBMS Tool position on CAN	2	
PCCG	PBMS CCL Gain	DB12	
PSTP	PSTC Tool Position on CAN Bus	1	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
ALTDCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	7.880	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	22.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	10402	FT
TDD	Total Depth - Driller	10482.00	FT
TDL	Total Depth - Logger	10402.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Input DLIS Files

DEFAULT	SCMT_RST_PSP_013PUP	FN:12	PRODUCER	29-Sep-2010 22:30	10434.0 FT	10021.5 FT
---------	---------------------	-------	----------	-------------------	------------	------------

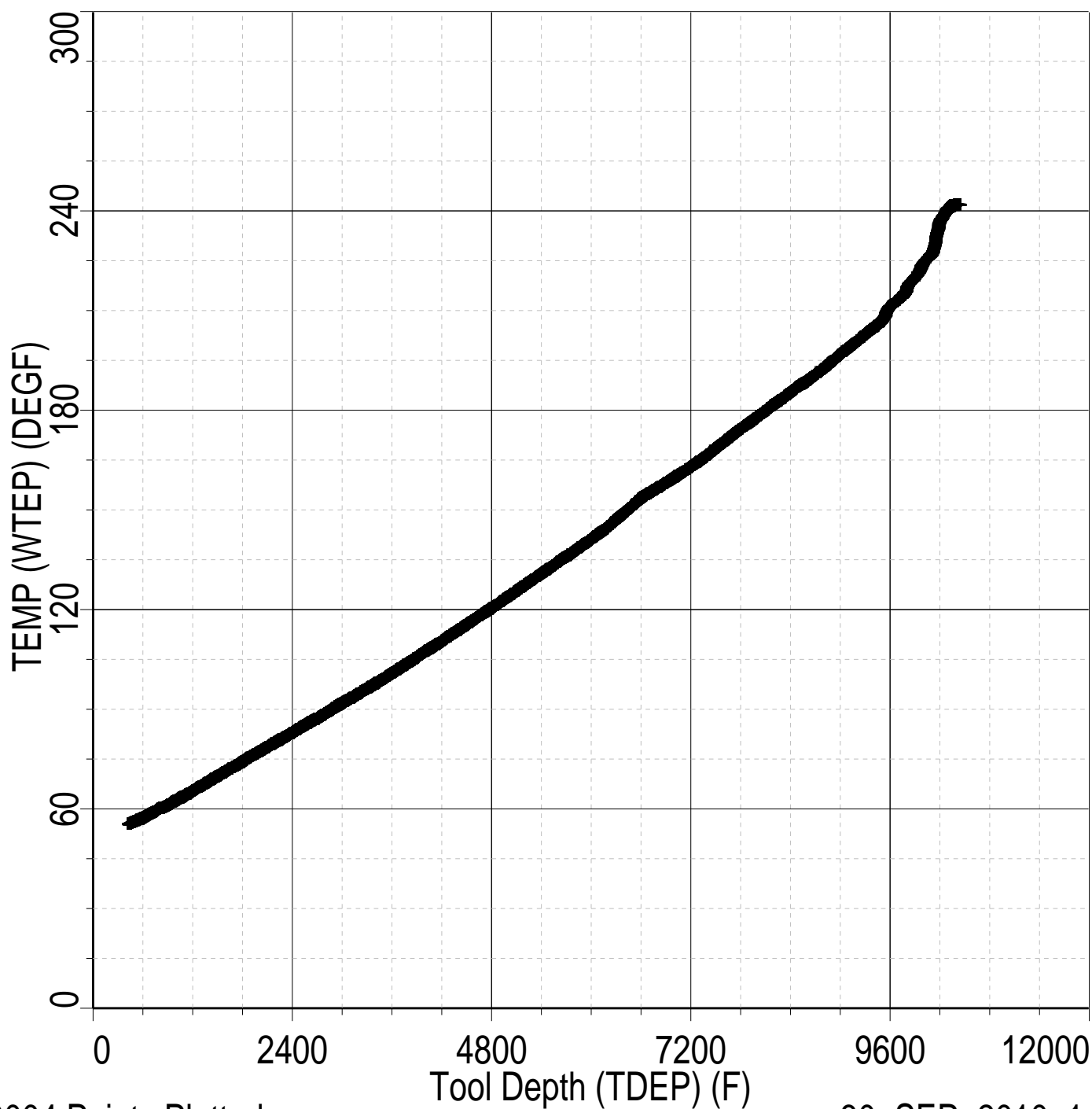
Output DLIS Files

DEFAULT	SCMT_RST_PSP_014LUP	FN:13	PRODUCER	29-Sep-2010 22:31
---------	---------------------	-------	----------	-------------------

Schlumberger

TEMPERATURE PLOT

Index: 10438.5 – 437.0 FT



20004 Points Plotted

30-SEP-2010 1:22

Schlumberger

COEFFICIENTS

MAXIS Field Log

Client: ENCANA OIL & GAS INC (USA)
Field: MAMM CREEK

Tool: PSP
Sub Type: PBMS

PBMS Sapphire 10kPsi Gauge

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

COEFFICIENTS FOR SAPPHIRE PBMS–A.3779 S/N:

3779

090107

66

4C82

Pres Coeff

	Tt**0	Tt**1	Tt**2
Tp**0	–.611876617639E+04	+.471061007964E+04	–.216447354932E+04
Tp**1	+.371836126905E+04	–.234756196935E+04	+.129149325686E+04
Tp**2	+.193143980957E+02	–.189348218853E+01	–.341812471126E+01
Tp**3	–.568815065386E+01	+.200079683569E+01	0.0
Tp**4	0.0	0.0	0.0
Tp**5	0.0	0.0	0.0

	Tt**3	Tt**4	Tt**5
Tp**0	+.380249508124E+03	–.247683004908E+02	0.0
Tp**1	–.227135245080E+03	+.146352372057E+02	0.0
Tp**2	0.0	0.0	0.0
Tp**3	0.0	0.0	0.0
Tp**4	0.0	0.0	0.0
Tp**5	0.0	0.0	0.0

PBMS Sapphire 10kPsi Gauge

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

:

3779

090107

66

C39E

Temp Coeff

	Tp**0	Tp**1	Tp**2
Tt**0	–.278275571347E+03	+.251216271916E+01	–.820715649824E+00
Tt**1	+.598349067015E+02	–.107326373545E+01	+.652890183203E–01
Tt**2	+.109160002120E+02	+.262812193556E+00	–.450134240377E–02
Tt**3	–.673302171285E+00	–.213772918779E–01	0.0
Tt**4	0.0	0.0	0.0
Tt**5	0.0	0.0	0.0

PBMS RTD Well Thermometer

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

COEFFICIENTS FOR RTD THERMOMETER PBMS–A.3779 S/N:

3779

090107

16

3846

WTemp Coeff

	Tt**0	Tt**1	Tt**2
Tt**0	+ .492135102627E+02	– .278827553804E+03	+ .142867554561E+03
	Tt**3	Tt**4	Tt**5
Tt**0	– .233378392336E+02	+ .145553494493E+01	0.0

Company: ENCANA OIL & GAS INC (USA)



Well: GMR 8–5B1 (K8W)
Field: MAMM CREEK
County: GARFIELD
State: COLORADO

CEMENT BOND LOG
CBL – VDL
GAMMA RAY – CCL