

E&P Wireline

Company: Anadarko

Well: Troudt 35C-33HZ

Field: Wattenberg

County: Weld

State: Colorado

CBL, VDL, GR, CCL, TEMP, PRES

County: Weld

Field: Wattenberg

Location: 304/FSL, 1650/FWL

Well: Troudt 35C-33HZ

Company: Anadarko

LOCATION

304/FSL, 1650/FWL

SESW SEC 33 T2N R67W

Elev.: K.B. 5062.00 ft

G.L. 5037.00 ft

D.F. 5062.00 ft

Permanent Datum: _____

GROUND LEVEL _____

Elev.: 5037.00 ft _____

Log Measured From: KELLY BUSHING

Drilling Measured From: KELLY BUSHING

25.00 ft above Perm. Datum

API Serial No. 0512339281

Section 33

Township 2N

Range 67W

Logging Date	8-Jul-2015						
Run Number	1						
Depth Driller	12717 ft						
Schlumberger Depth	7984 ft						
Bottom Log Interval	7960 ft						
Top Log Interval	134 ft						
Casing Fluid Type	FRESH WATER						
Salinity							
Density	8.4 lbm/gal						
Fluid Level	0 ft						
BIT/CASING/TUBING STRING							
Bit Size	8.000 in						
From	0 ft						
To	12717 ft						
Casing/Tubing Size	5.500 in						
Weight	17 lbm/ft						
Grade	HCP-110						
From	0 ft						
To	12717 ft						
Maximum Recorded Temperatures	260 degF						
Logger On Bottom	8-Jul-2015	Time	8:30				
Unit Number	9971	Location	PLATTEVILLE				
Recorded By	SHELBY LANGFORD						
Witnessed By	DARREL BOTHWELL						

PVT DATA				Run 1	Run 2	Run 3
Oil Density						
Water Salinity						
Gas Gravity						
Bo						
Bw						
1/Bq						
Bubble Point Pressure						
Bubble Point Temperature						
Solution GOR						
Maximum Deviation				92 deg		
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						
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				Time		
Unit Number				Location		
Recorded By						
Witnessed By						

DEPTH SUMMARY LISTING

Date Created: 8-JUL-2015 7:07:58

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	1-33A-SLC
Serial Number:		Serial Number:		Serial Number:	
Calibration Date:		Calibration Date:	16-MAR-2015	Length:	25000 FT
Calibrator Serial Number:		Calibrator Serial Number:			
Calibration Cable Type:	1-33A-SLC	Number of Calibration Points:	10	Conveyance Method:	Wireline
Wheel Correction 1:	-4	Calibration RMS:	0	Rig Type:	LAND
Wheel Correction 2:	-4	Calibration Peak Error:	0		

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. BENCHMARK
2.
3.
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
MAIN PASS RAN UNDER 2000 PSI AT SURFACE	
REPEAT PASS RAN UNDER 1000 PSI AT SURFACE	

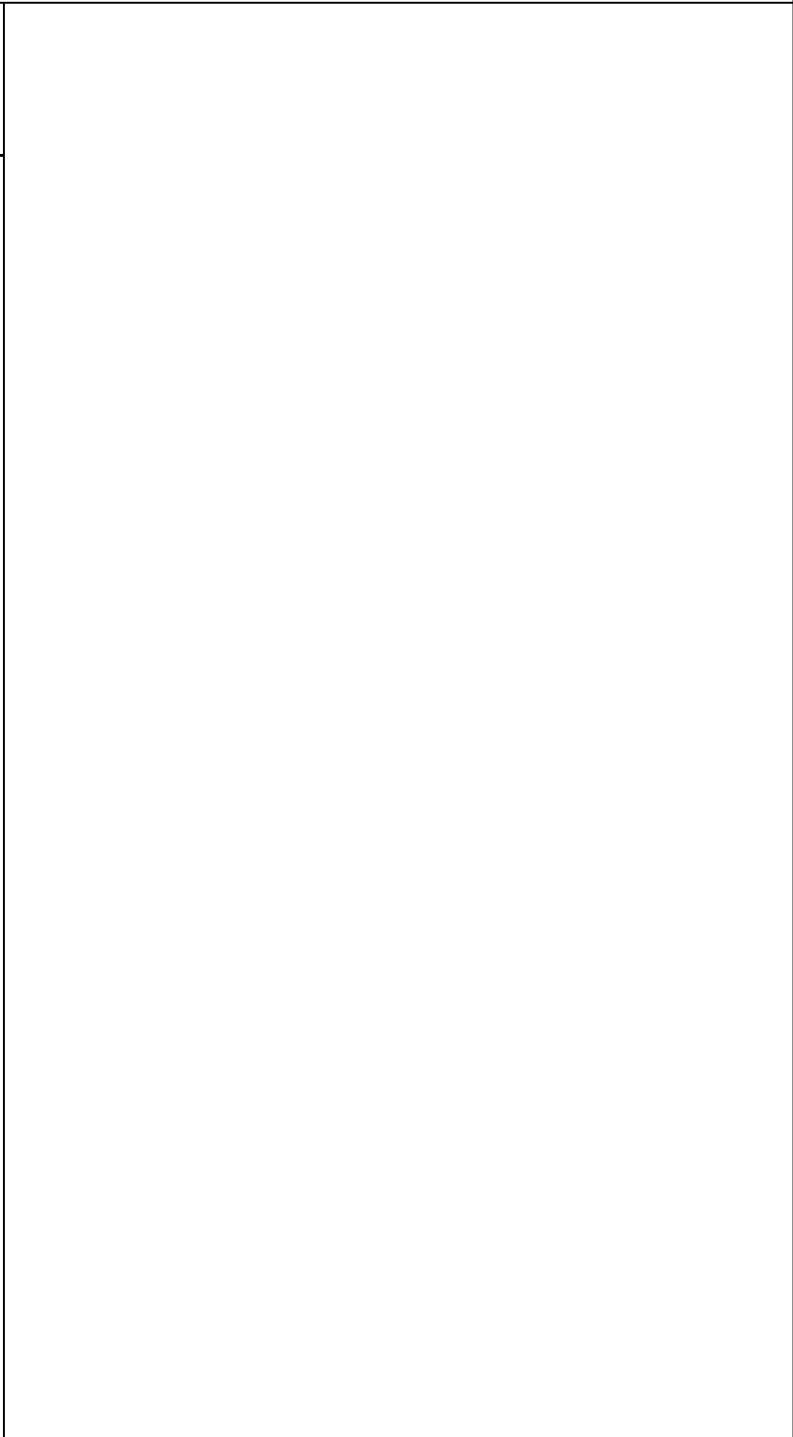
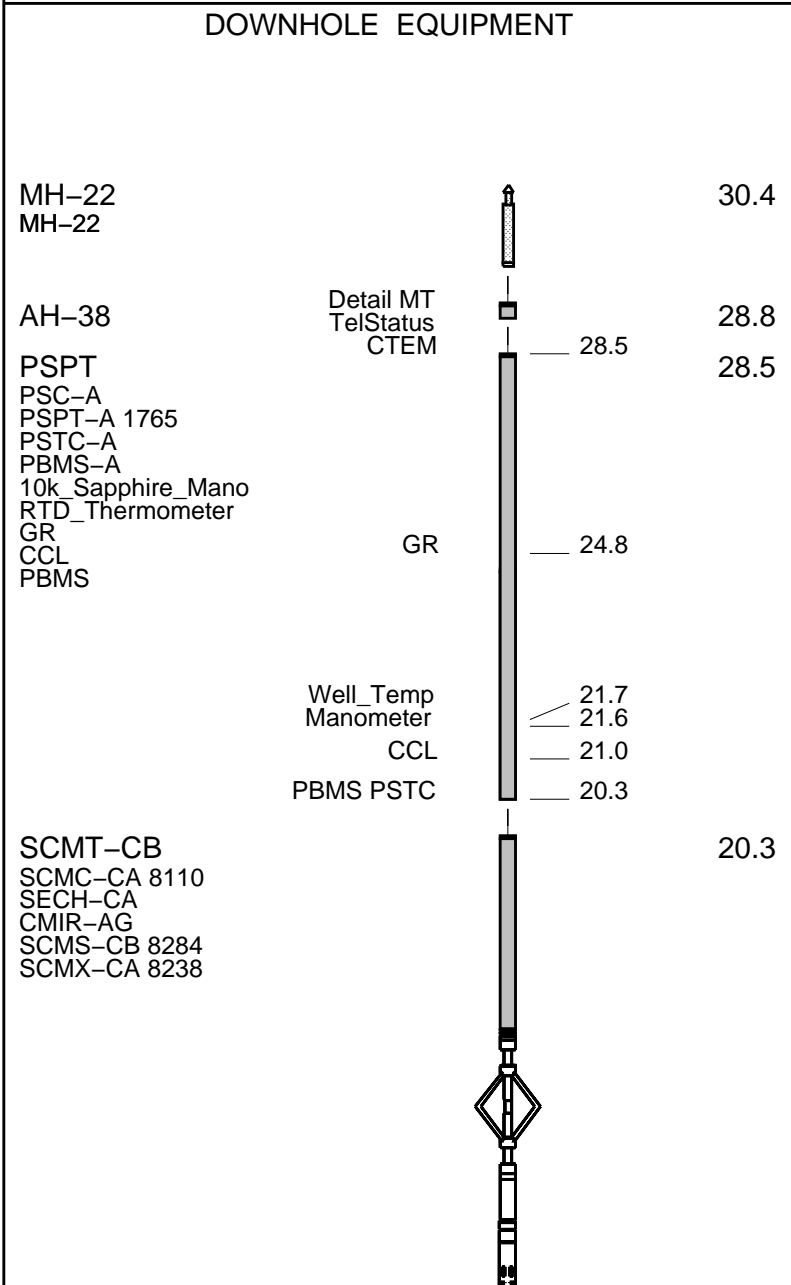
FIRST LOG IN WELL PROCEDURES FOLLOWED	
THANK YOY FOR CHOOSING E&P WIRELINE	
YOUR CREW TODAY HAS BEEN	
SHELBY LANGFORD	
BRENTON KRAL	
SARAH TROUTNER	

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

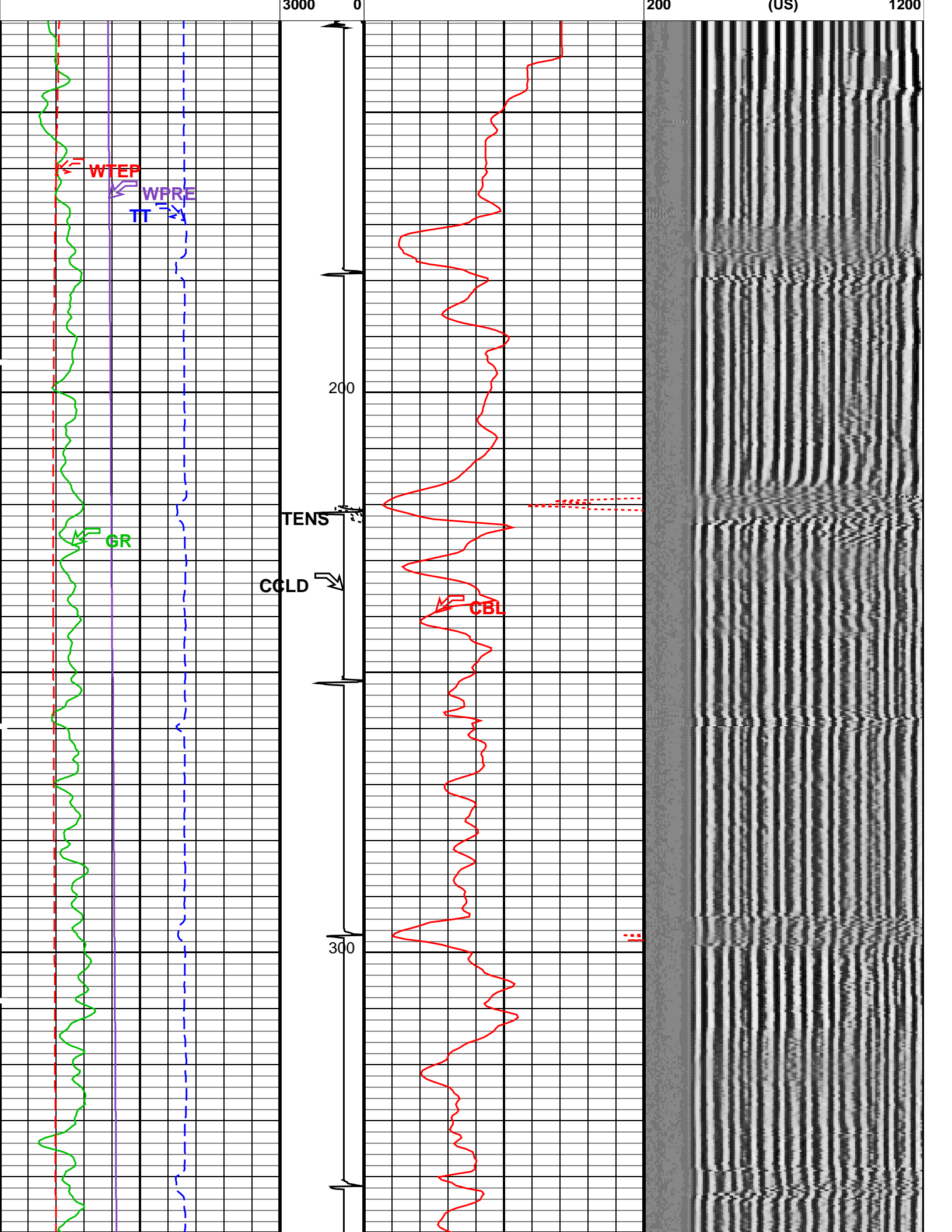
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RUN 1			RUN 2		

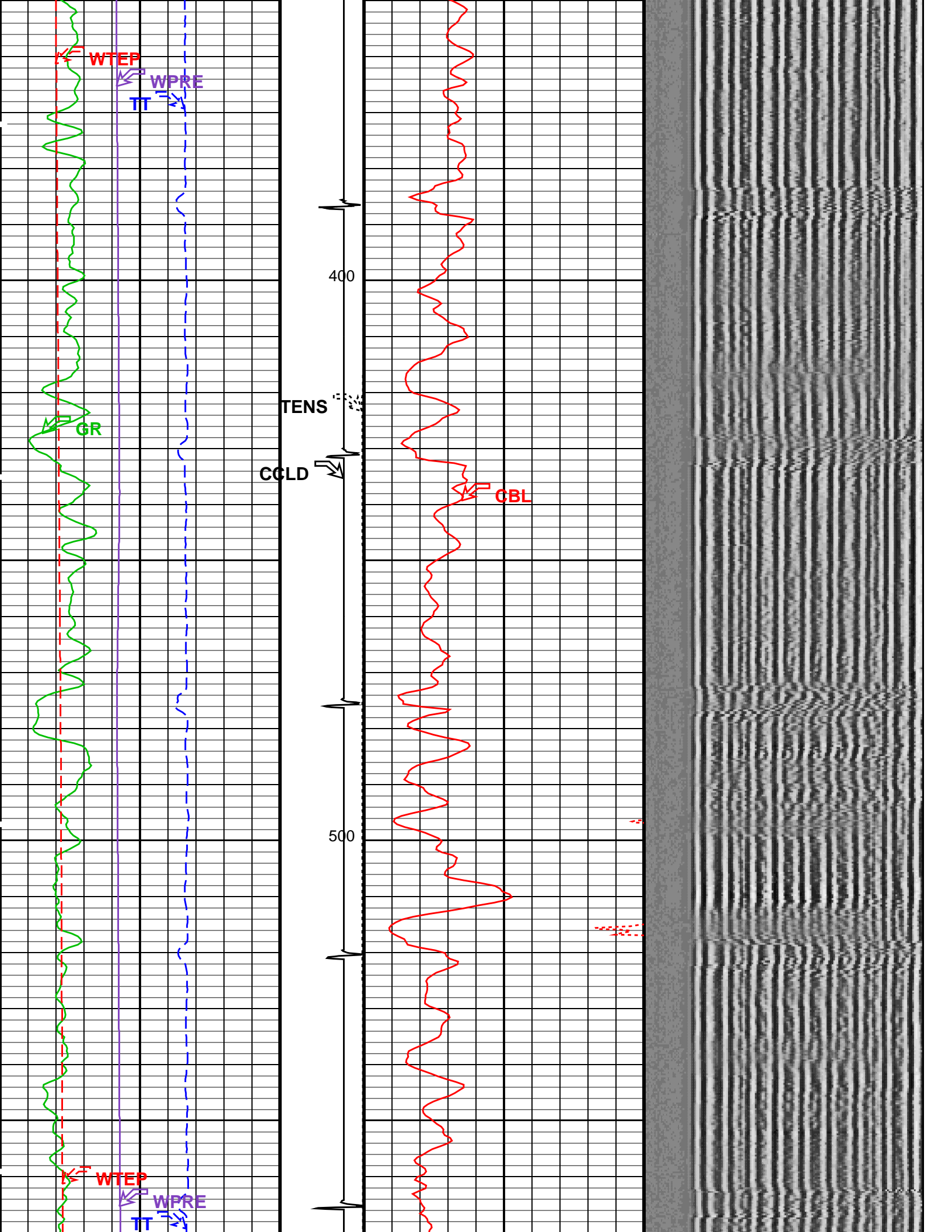
SURFACE EQUIPMENT

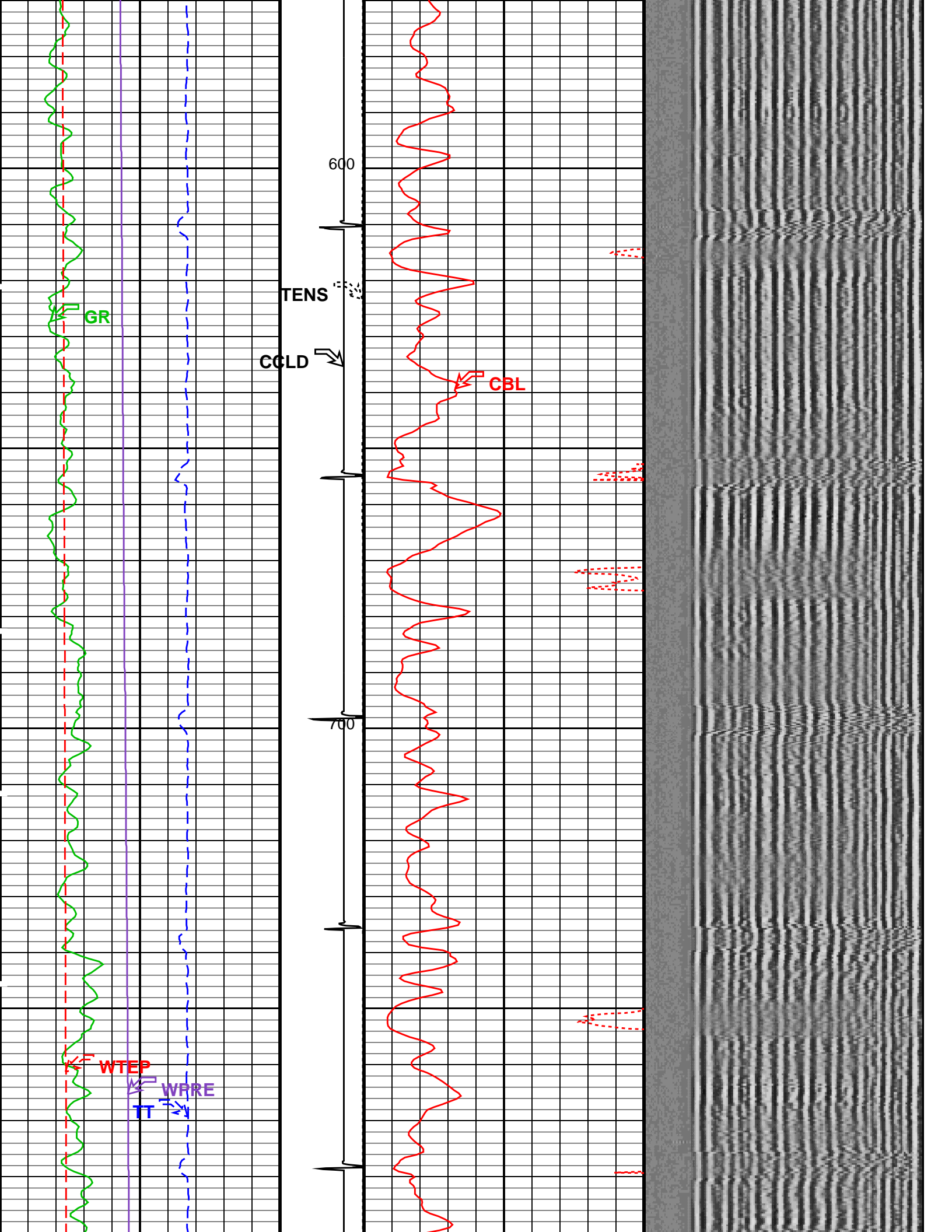
WITM-A
PSC_16MHZ

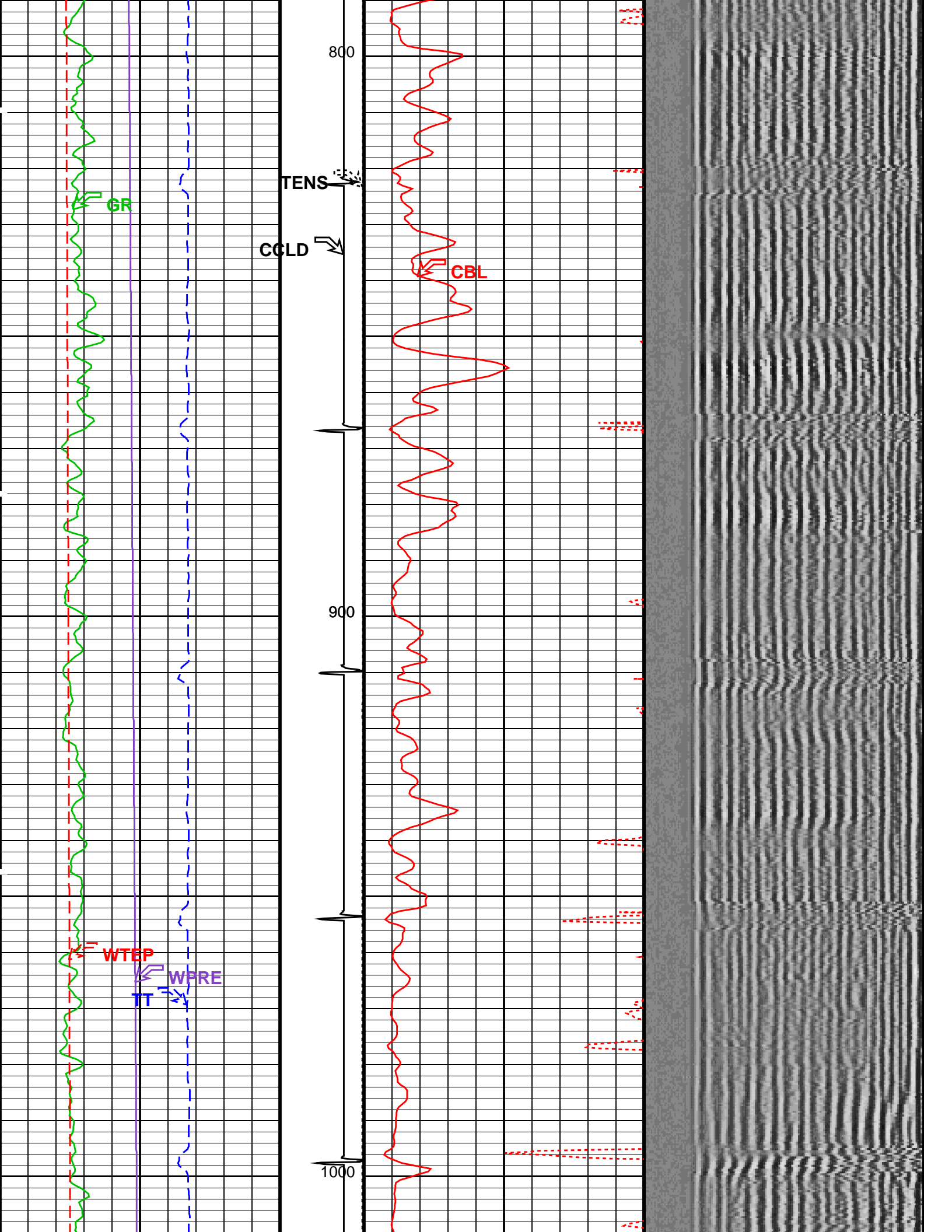


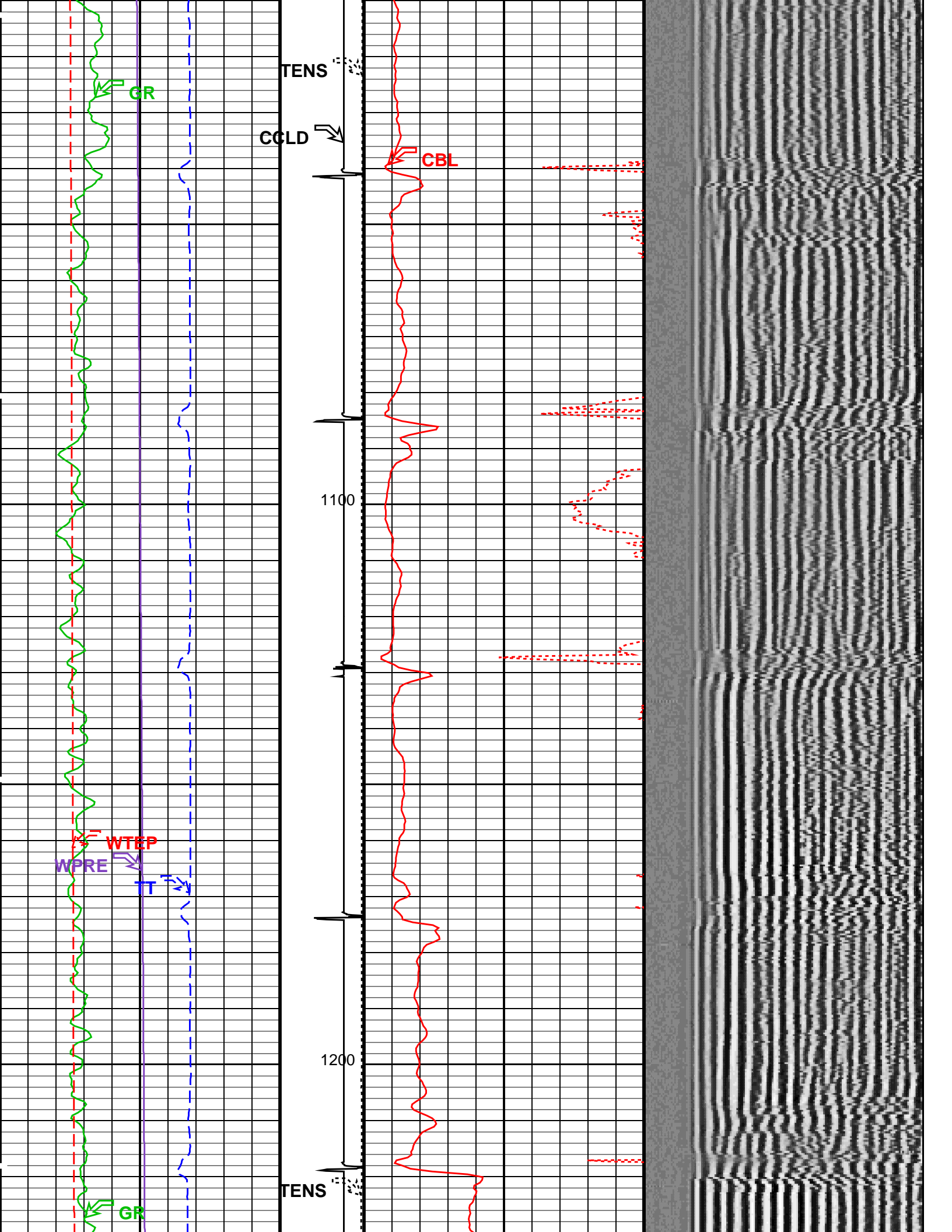


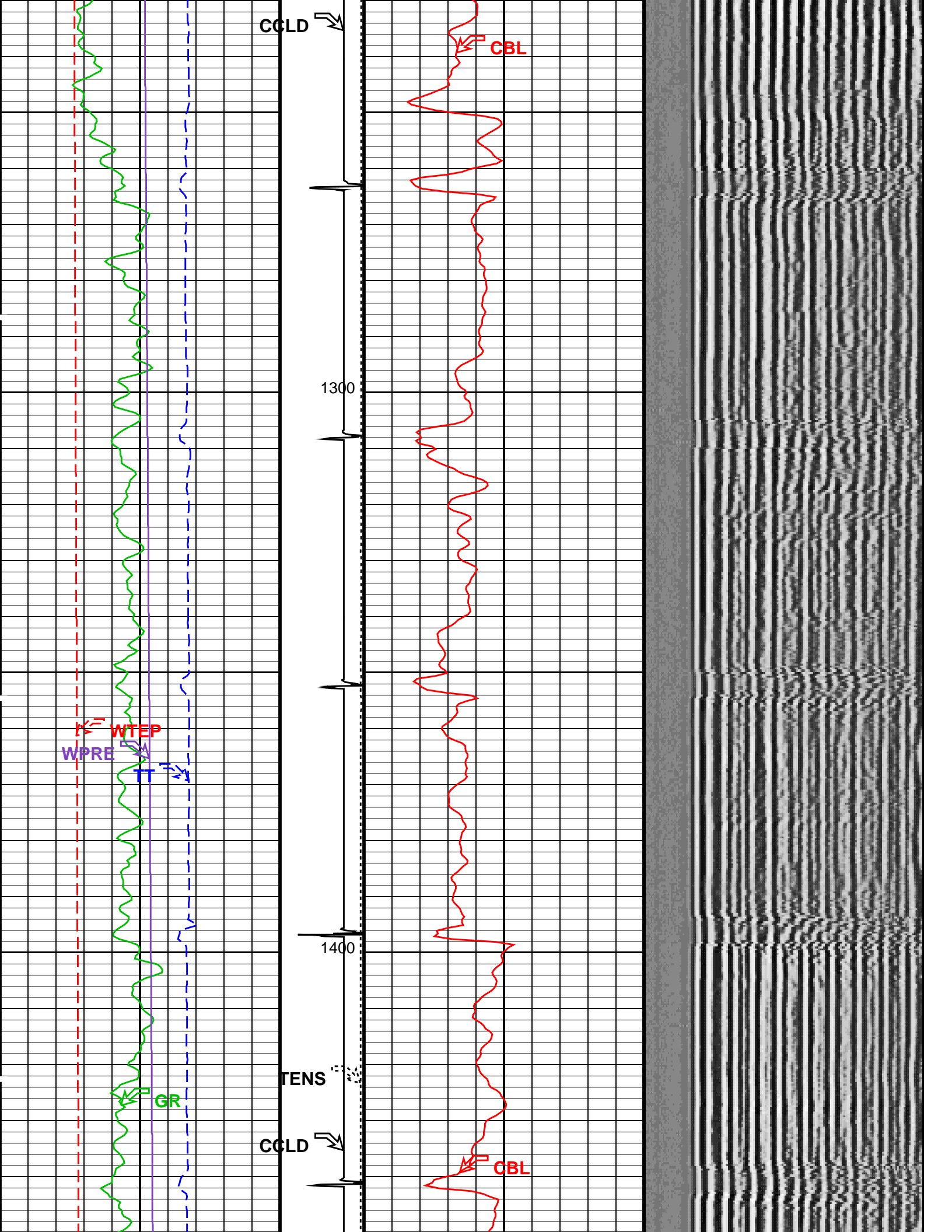


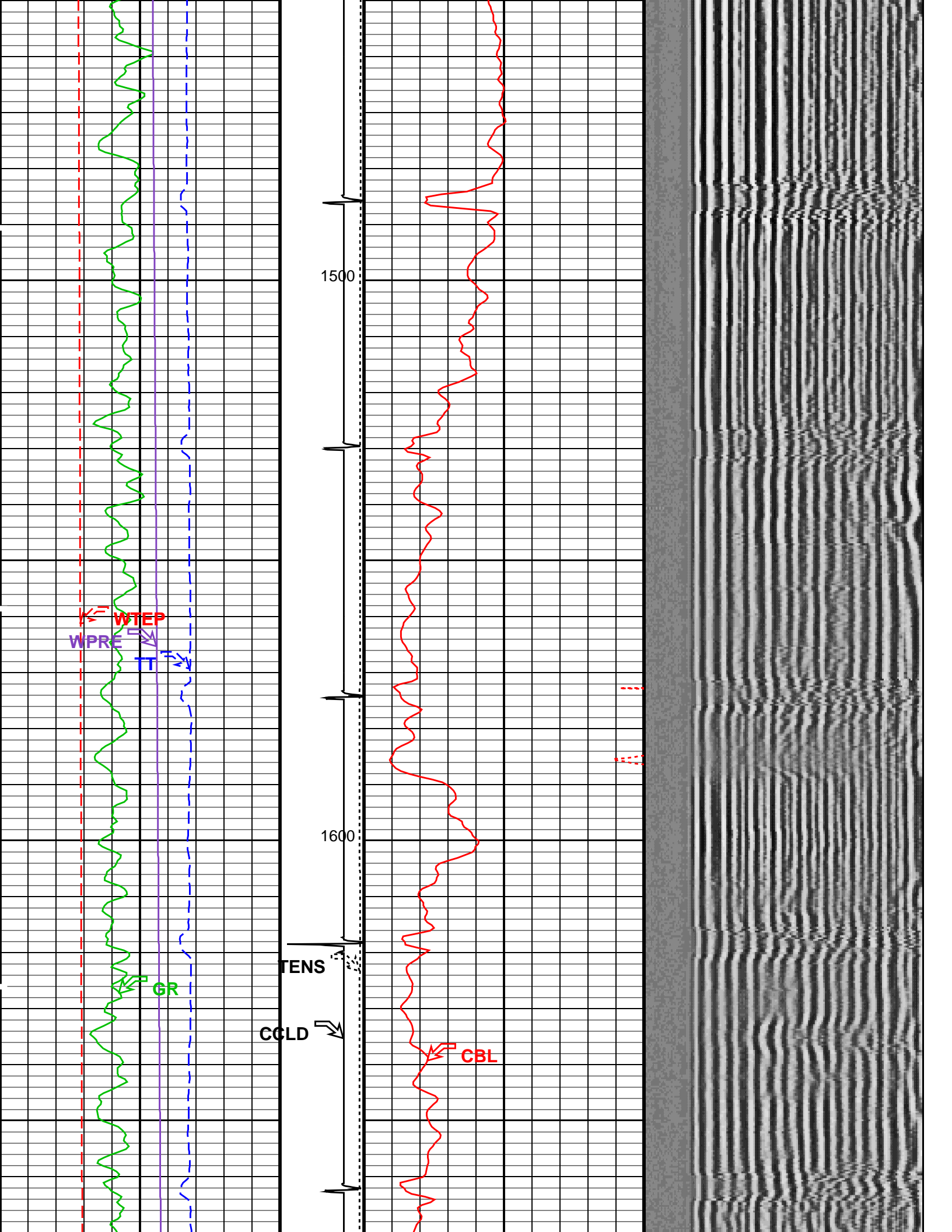


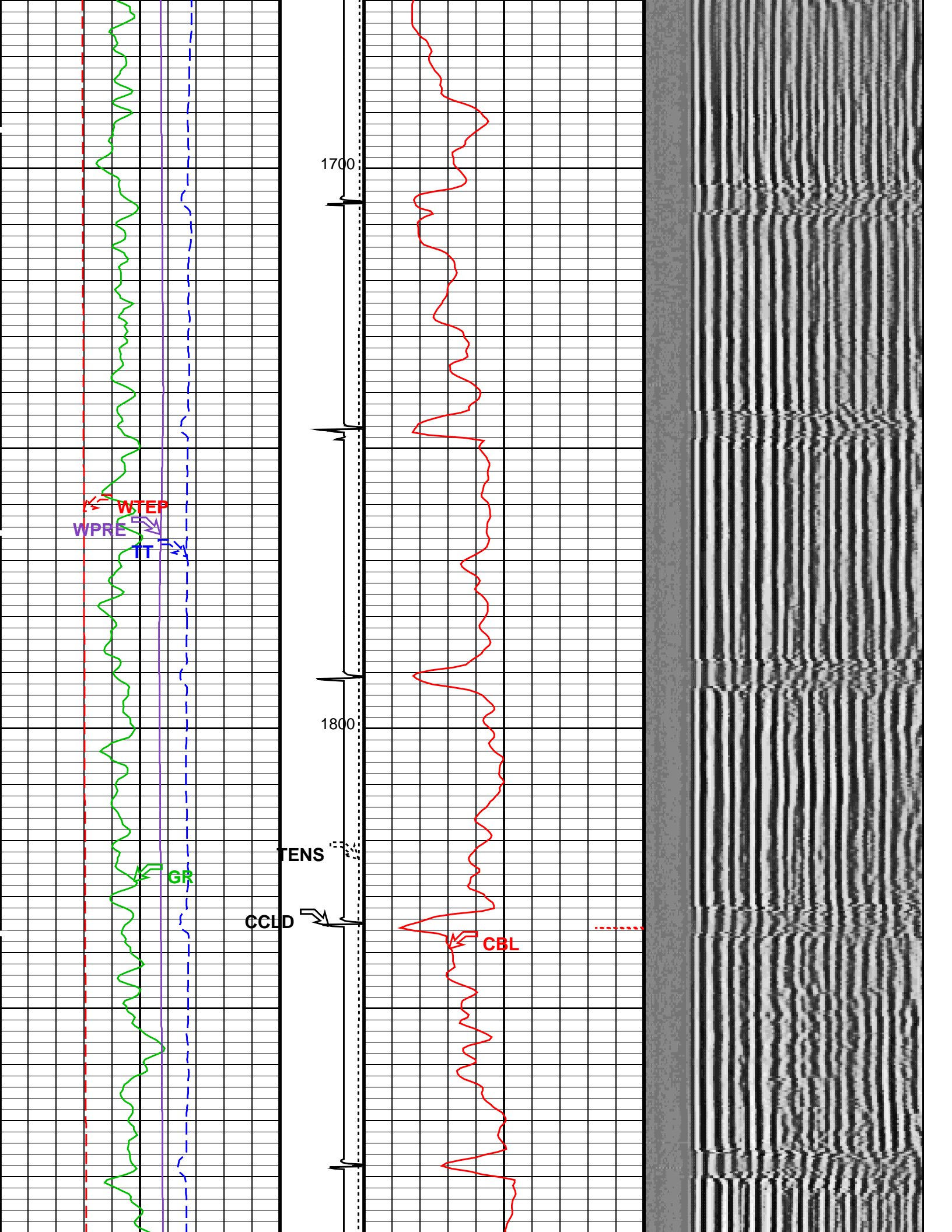


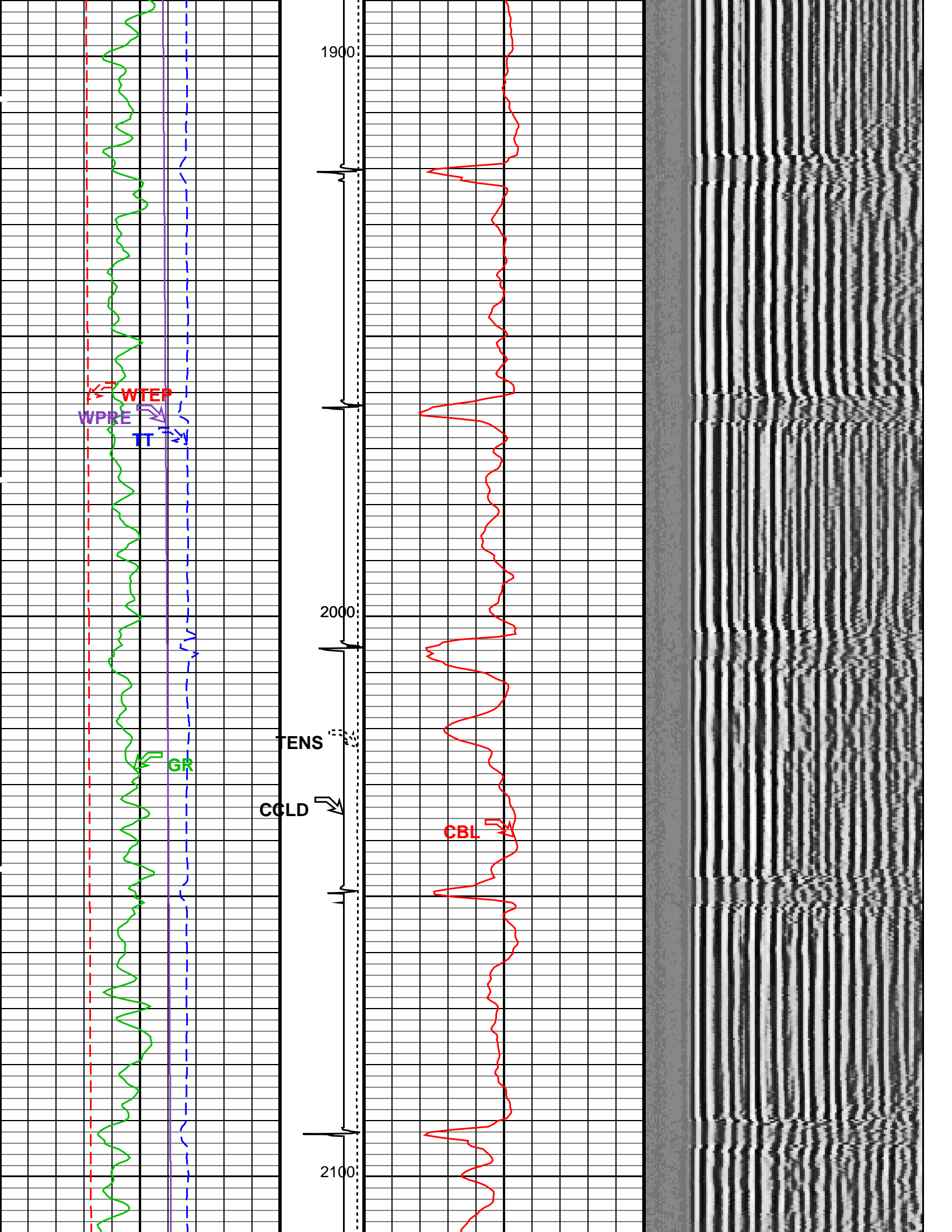


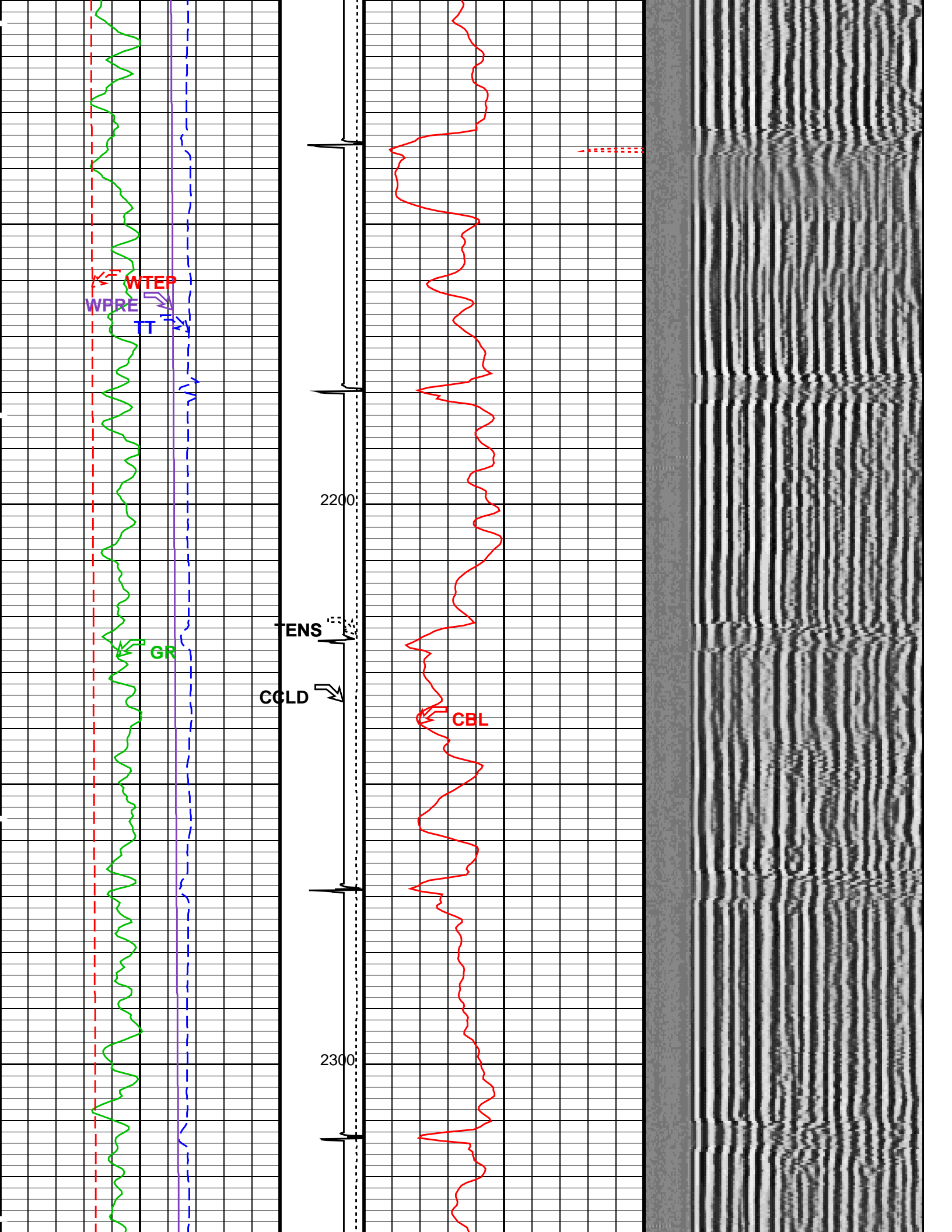


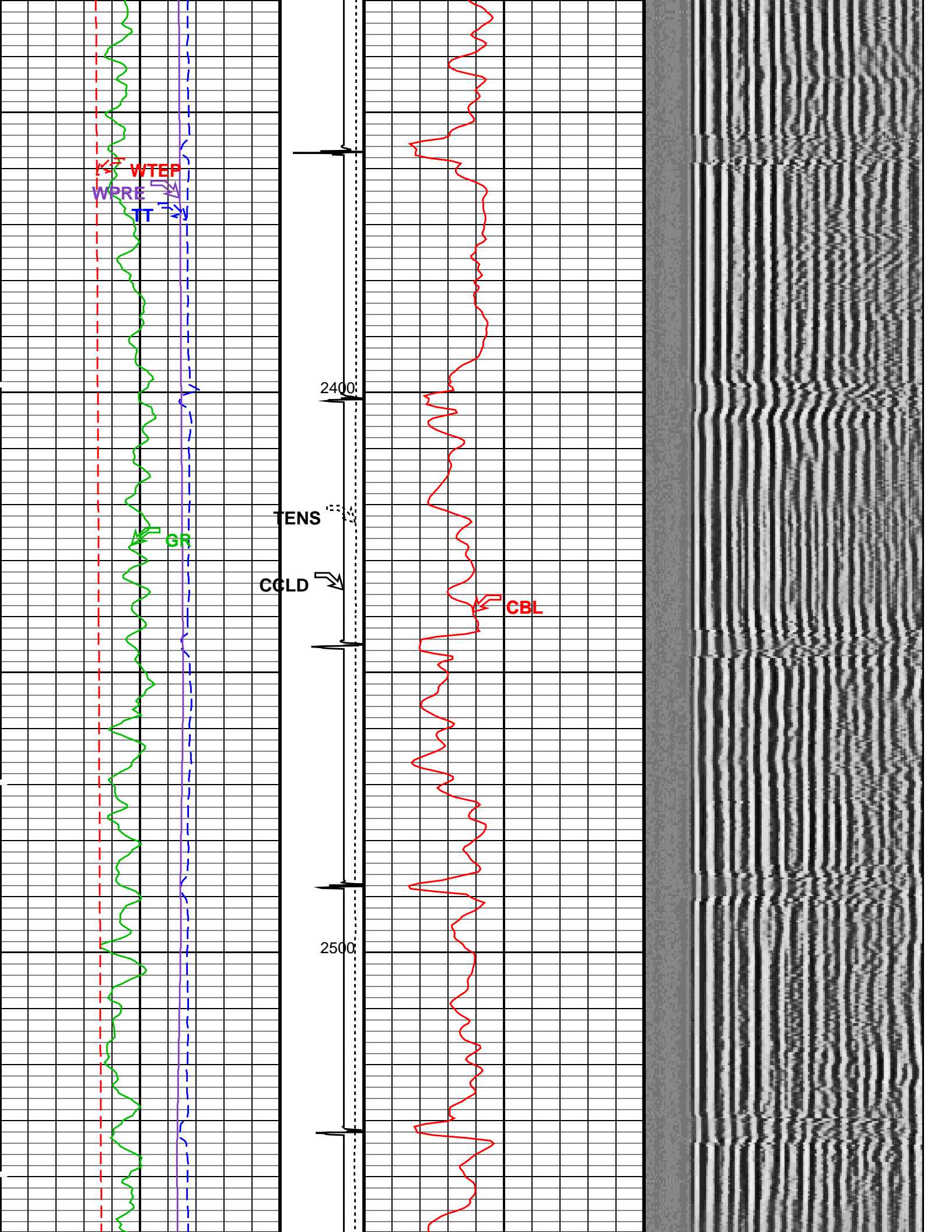


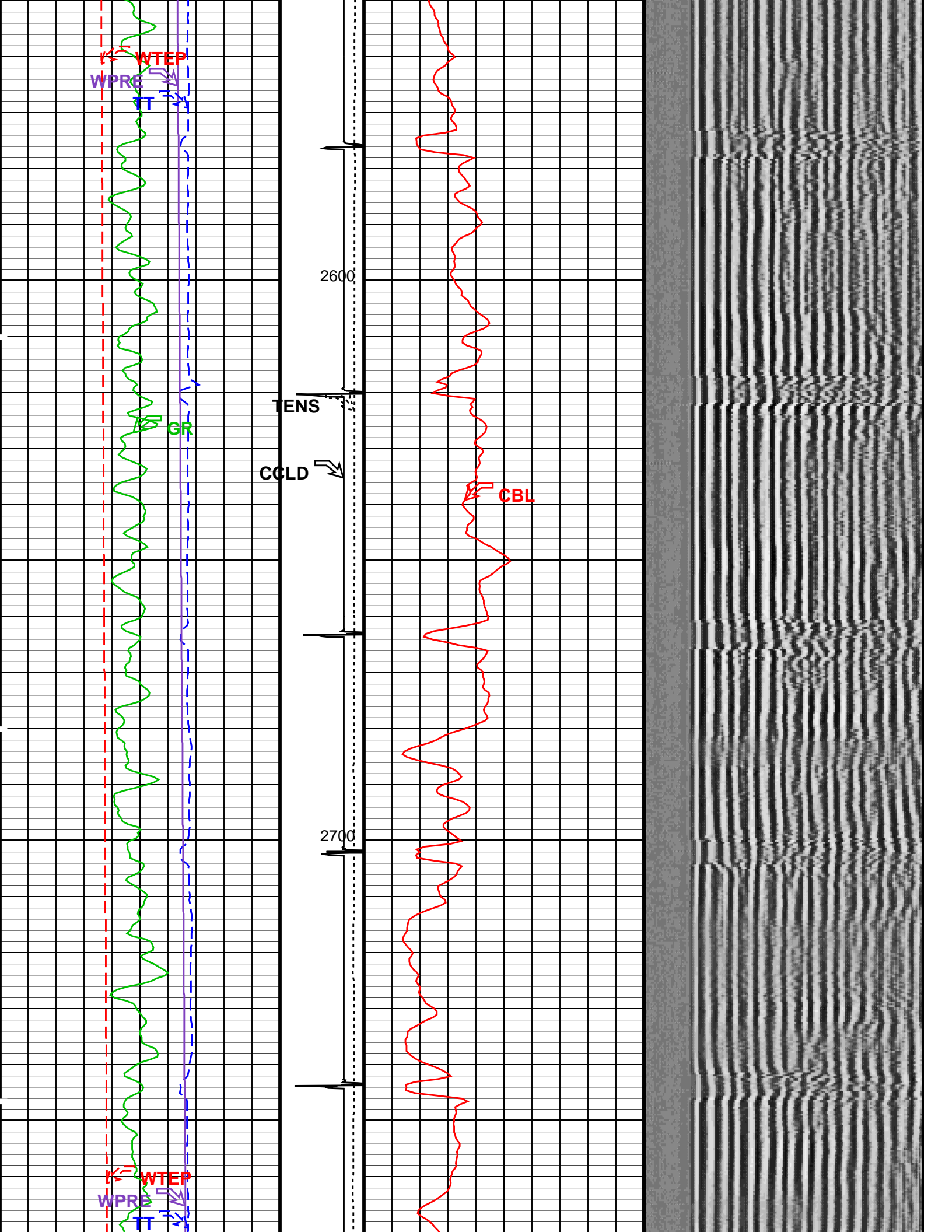


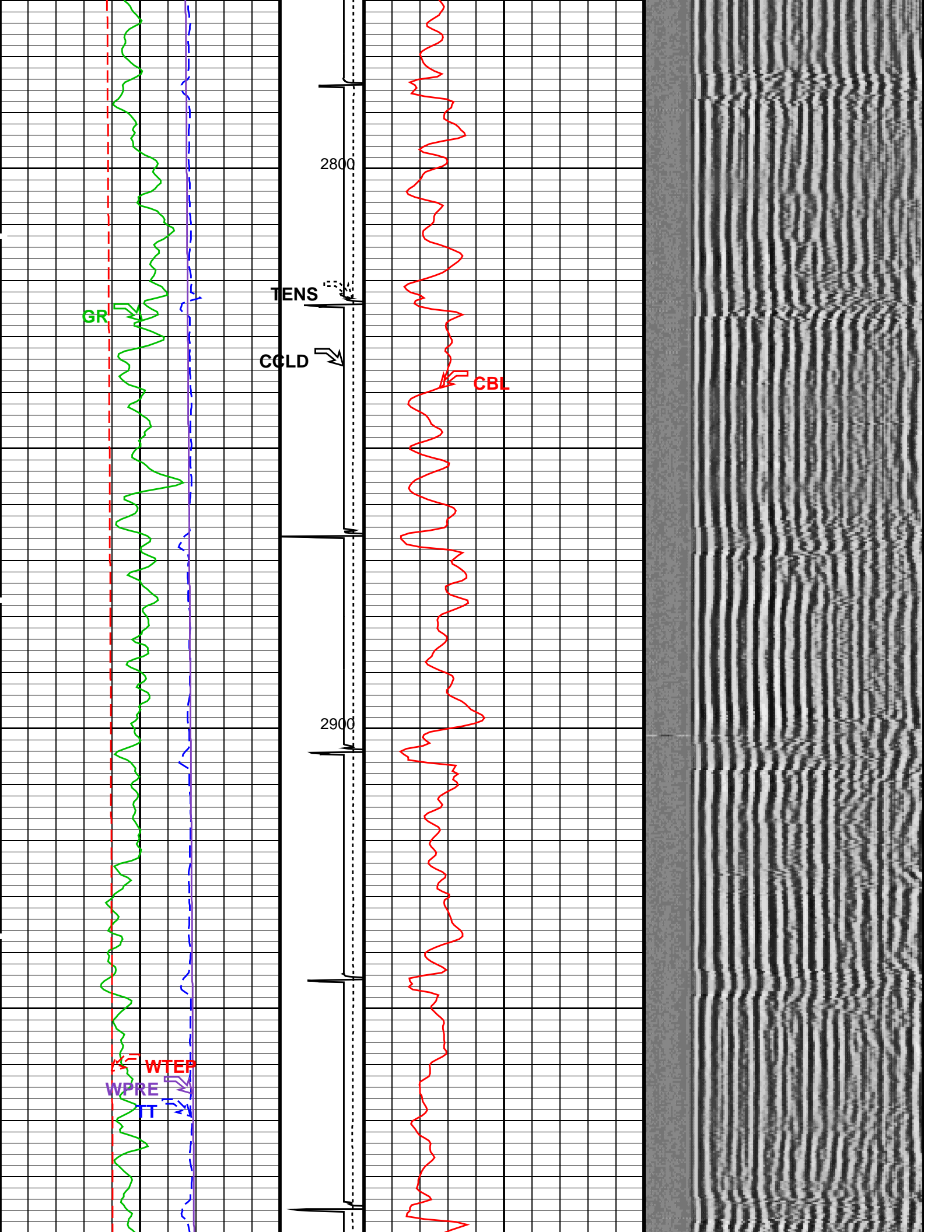


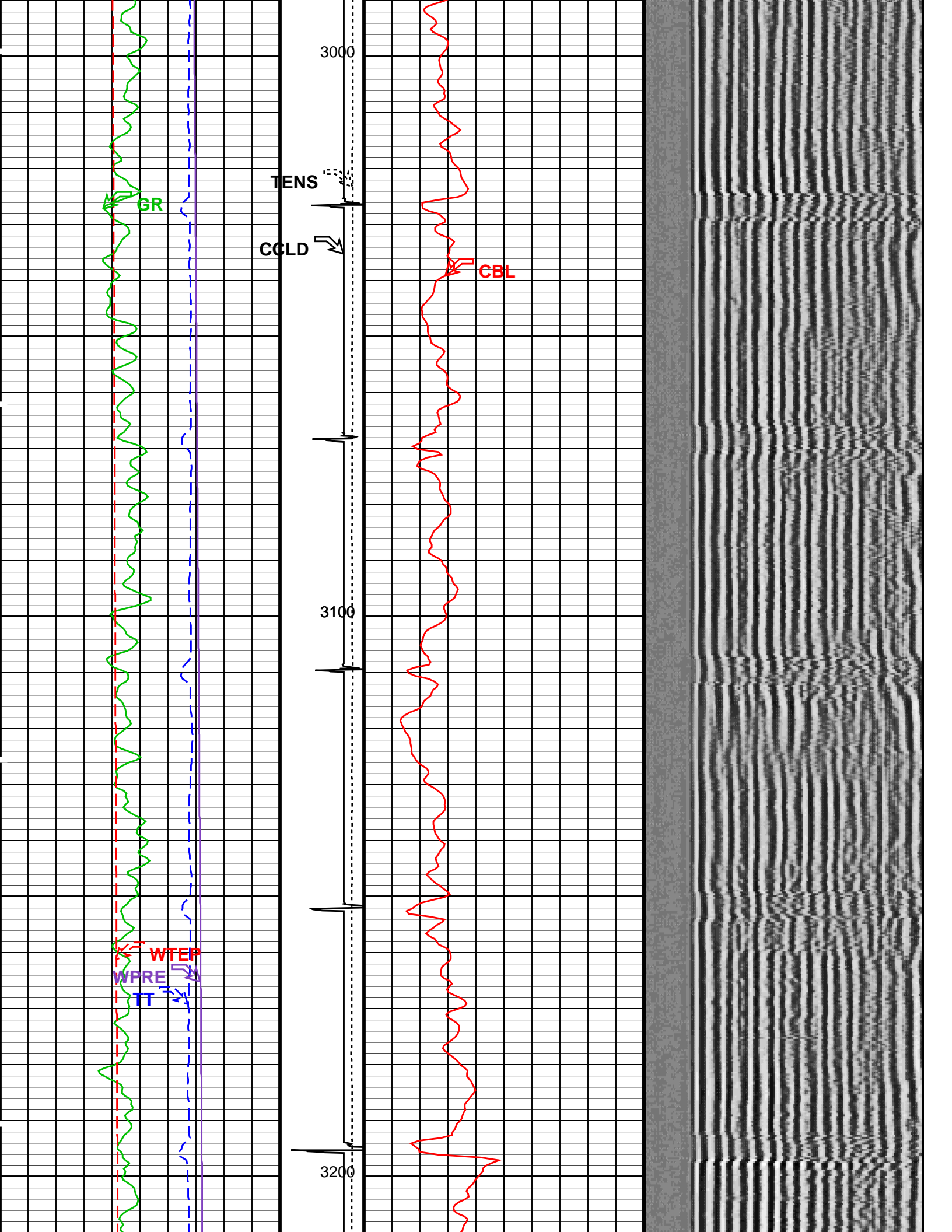


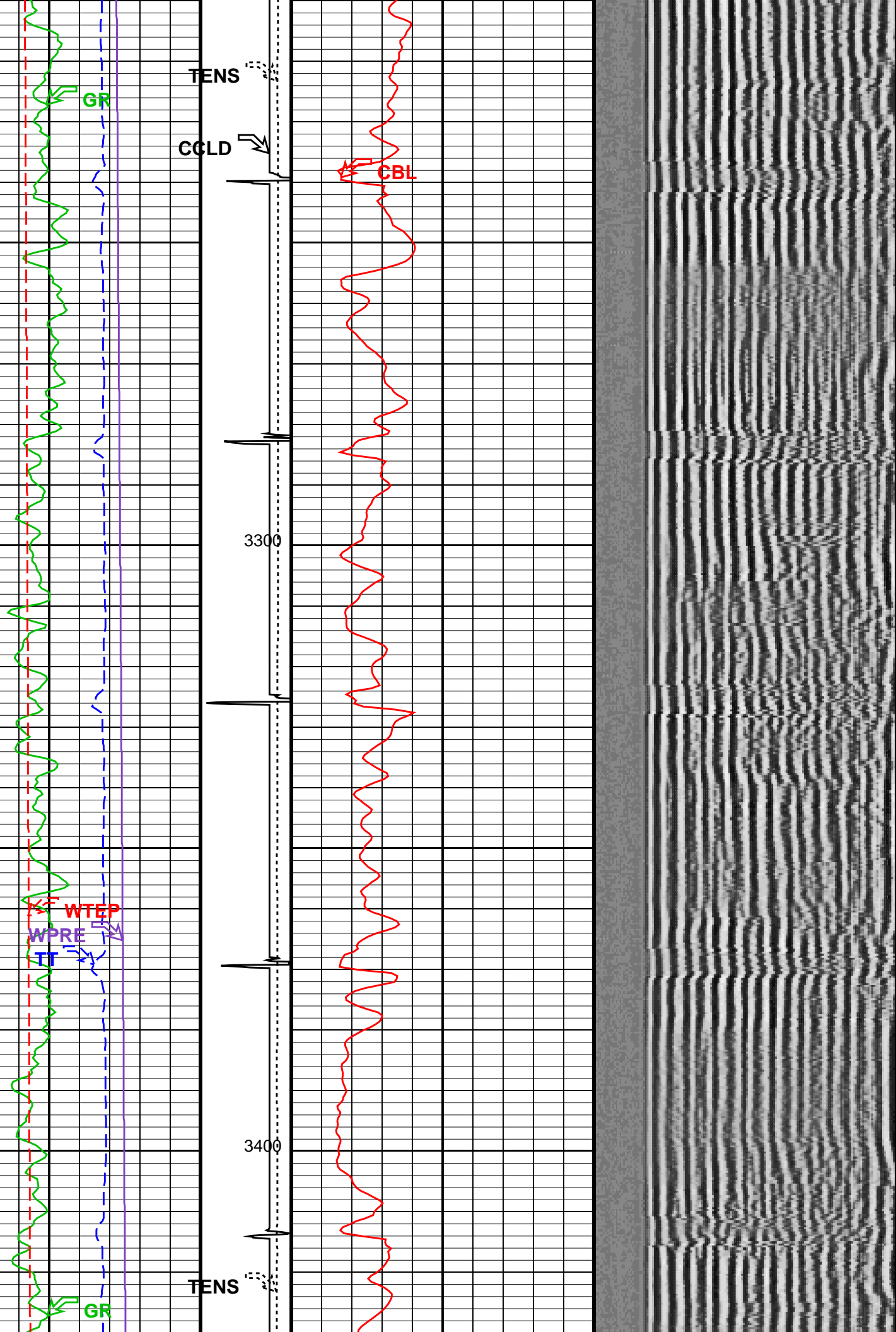


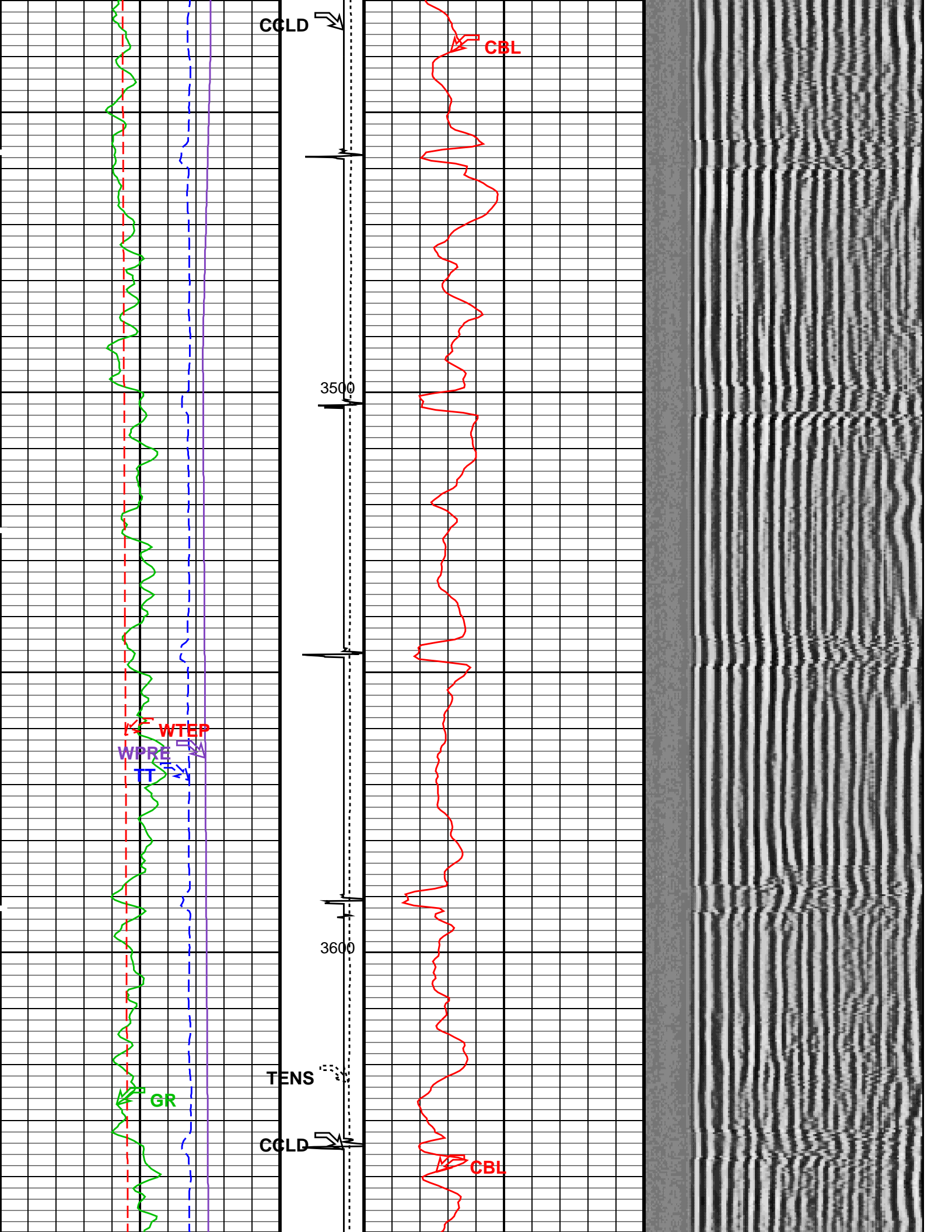


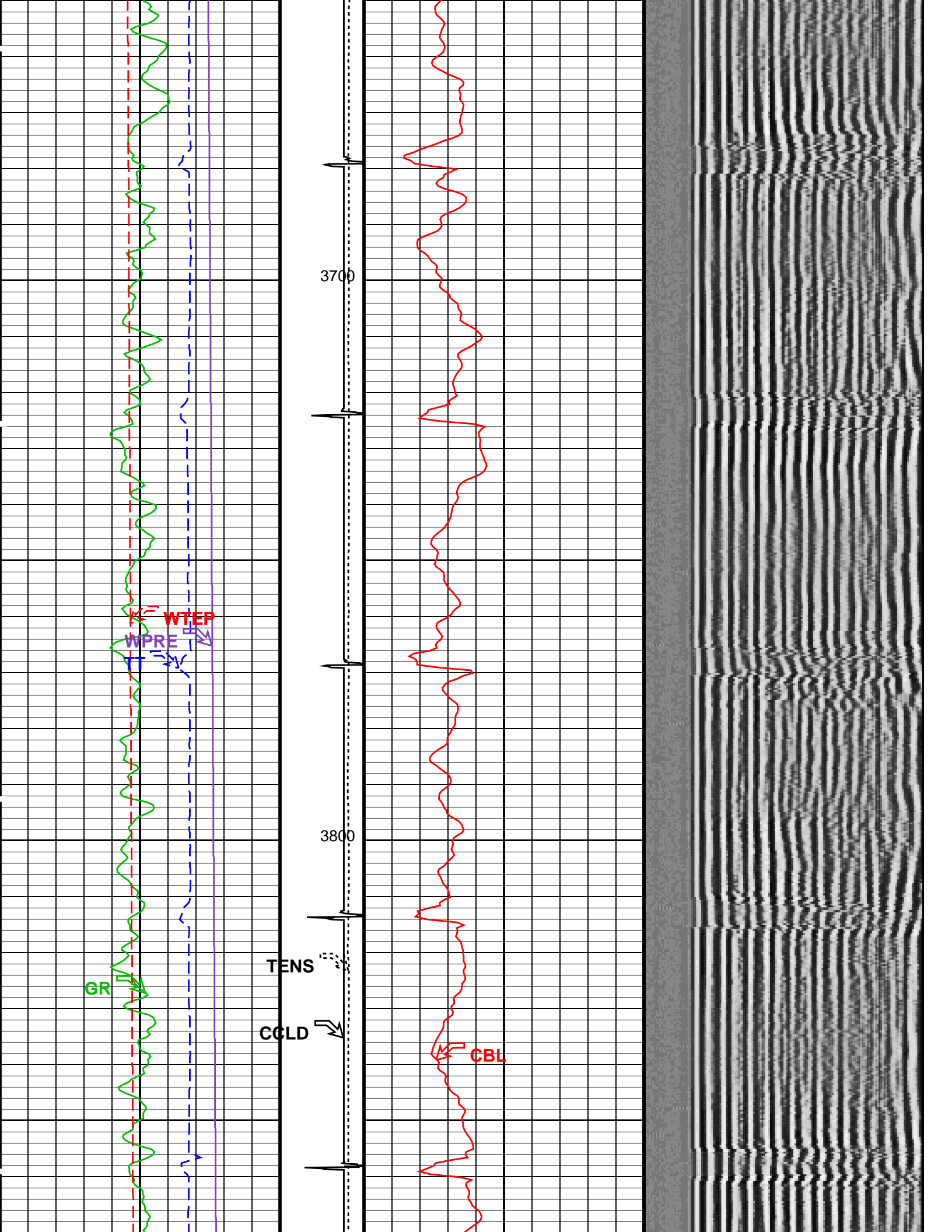


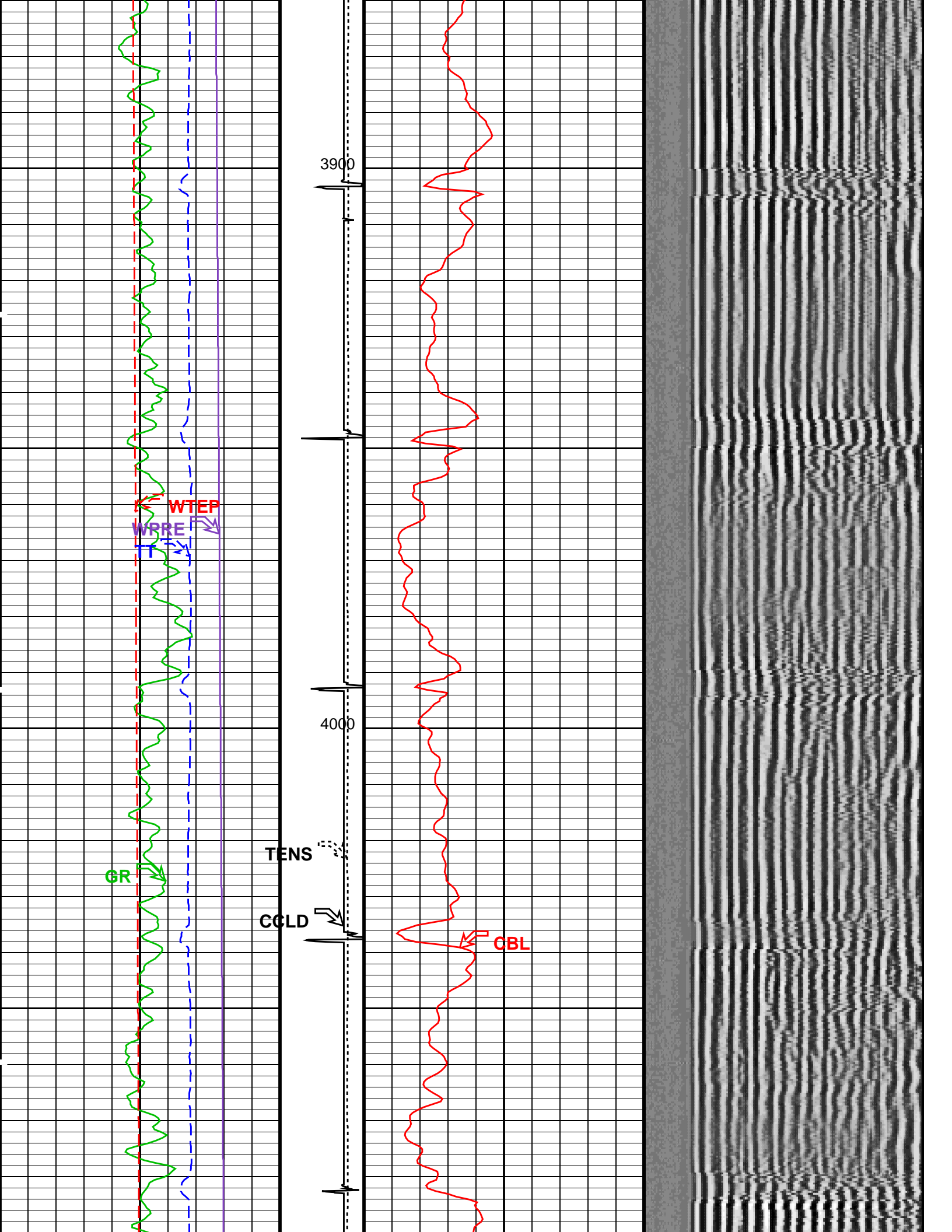


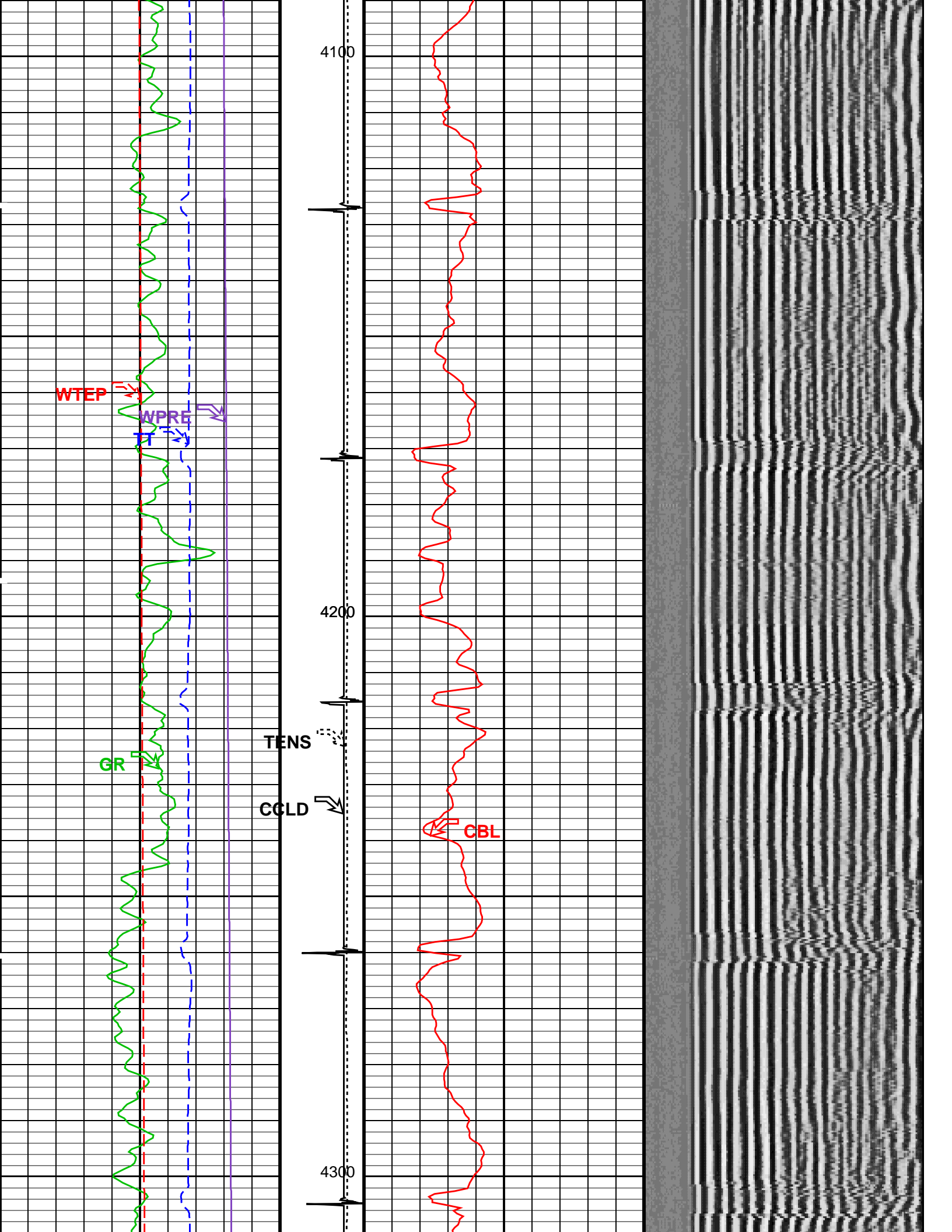


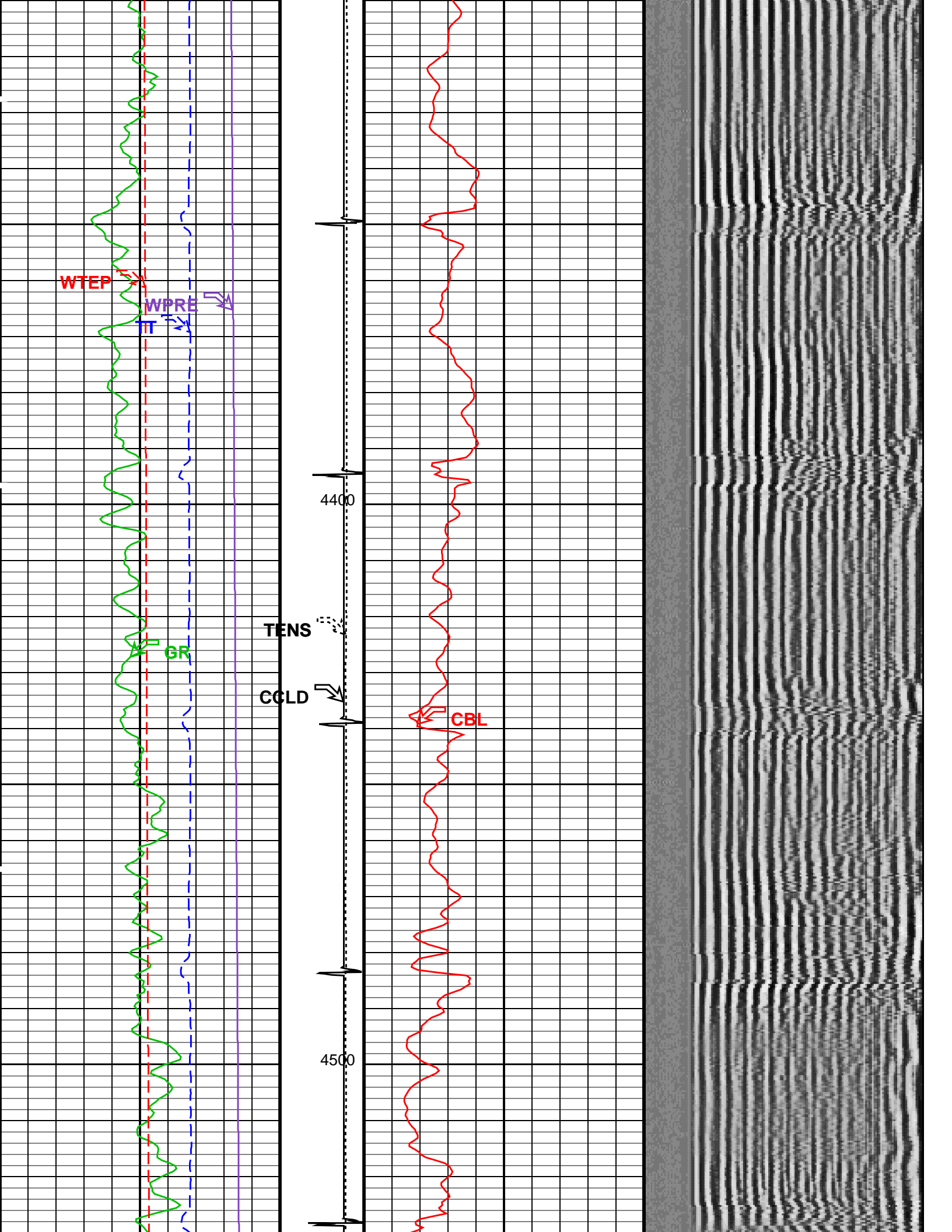


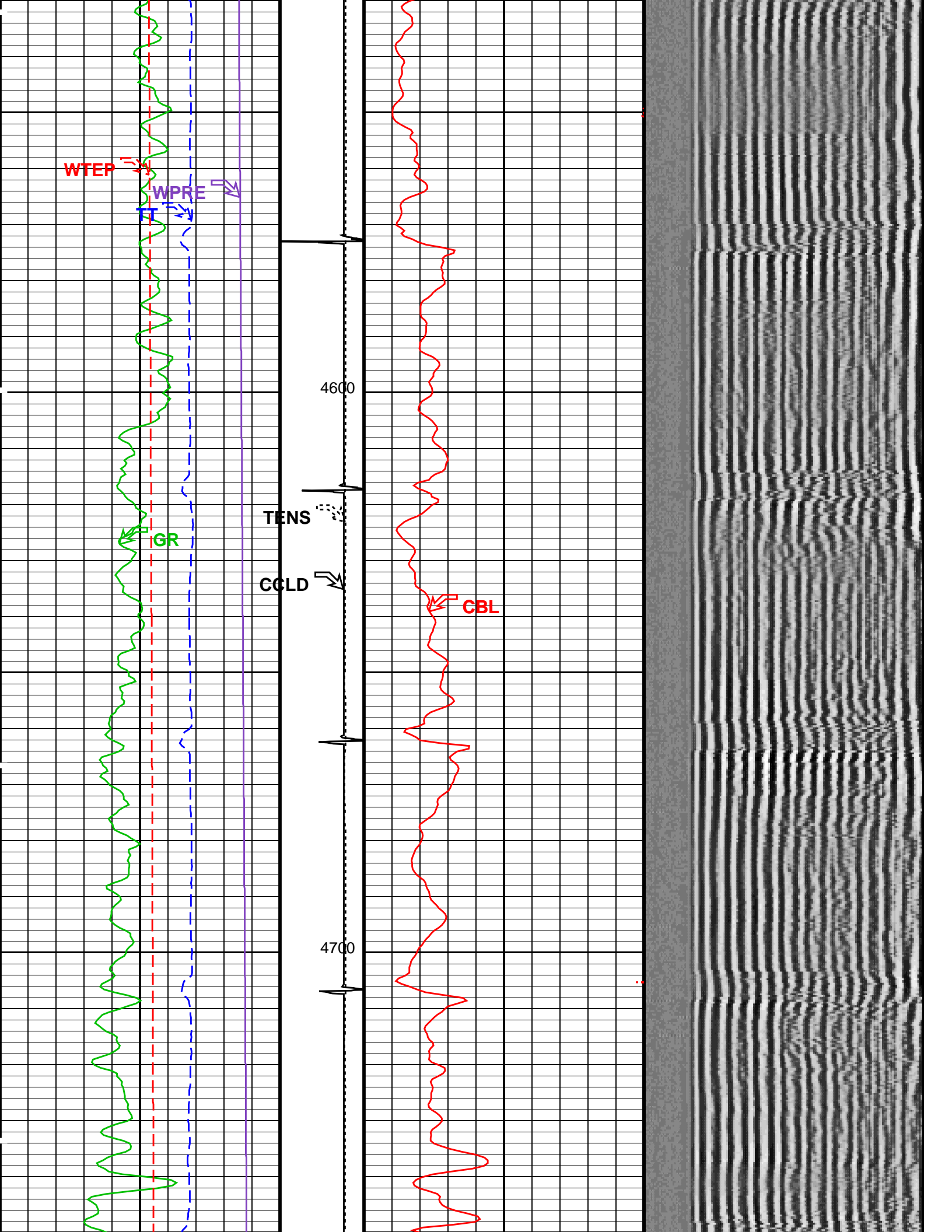


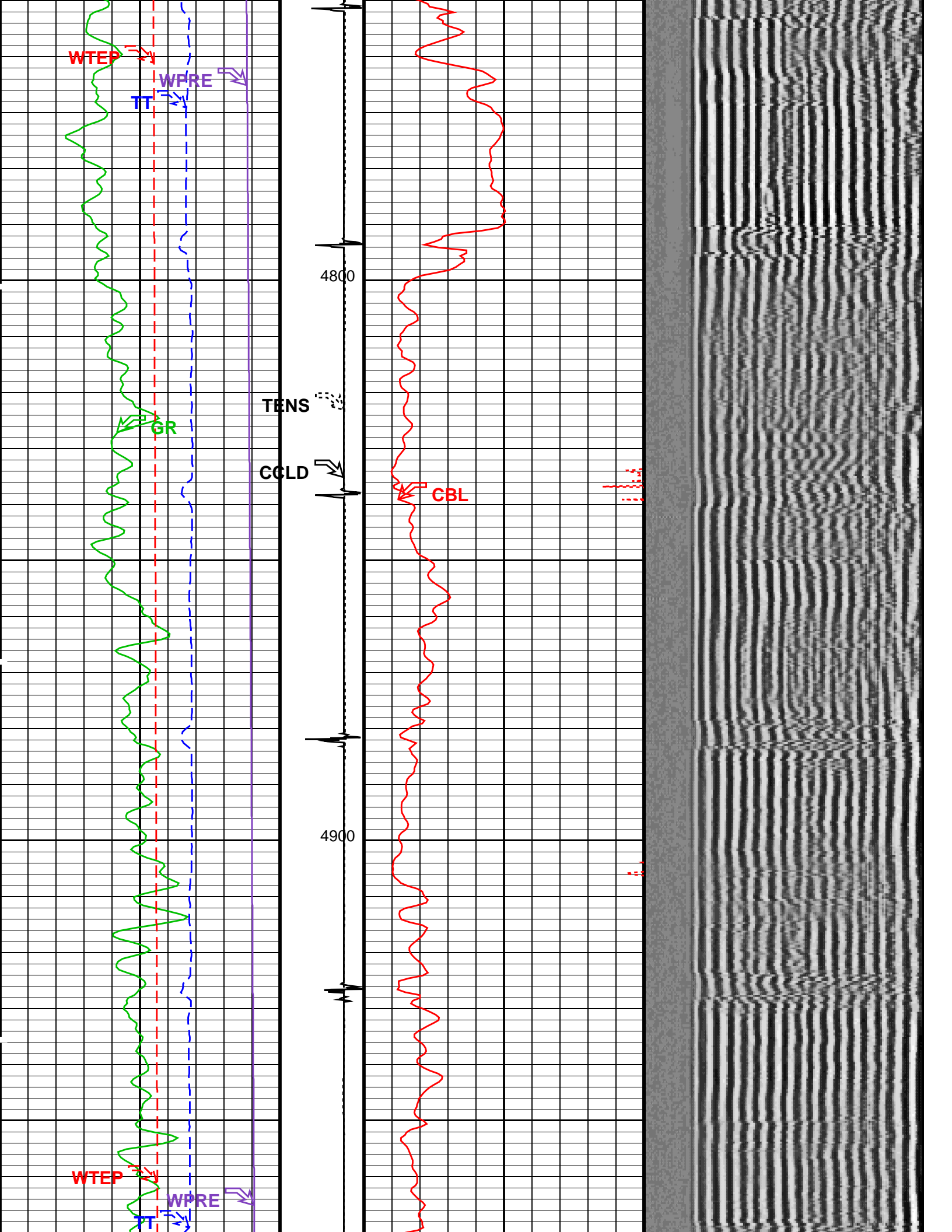


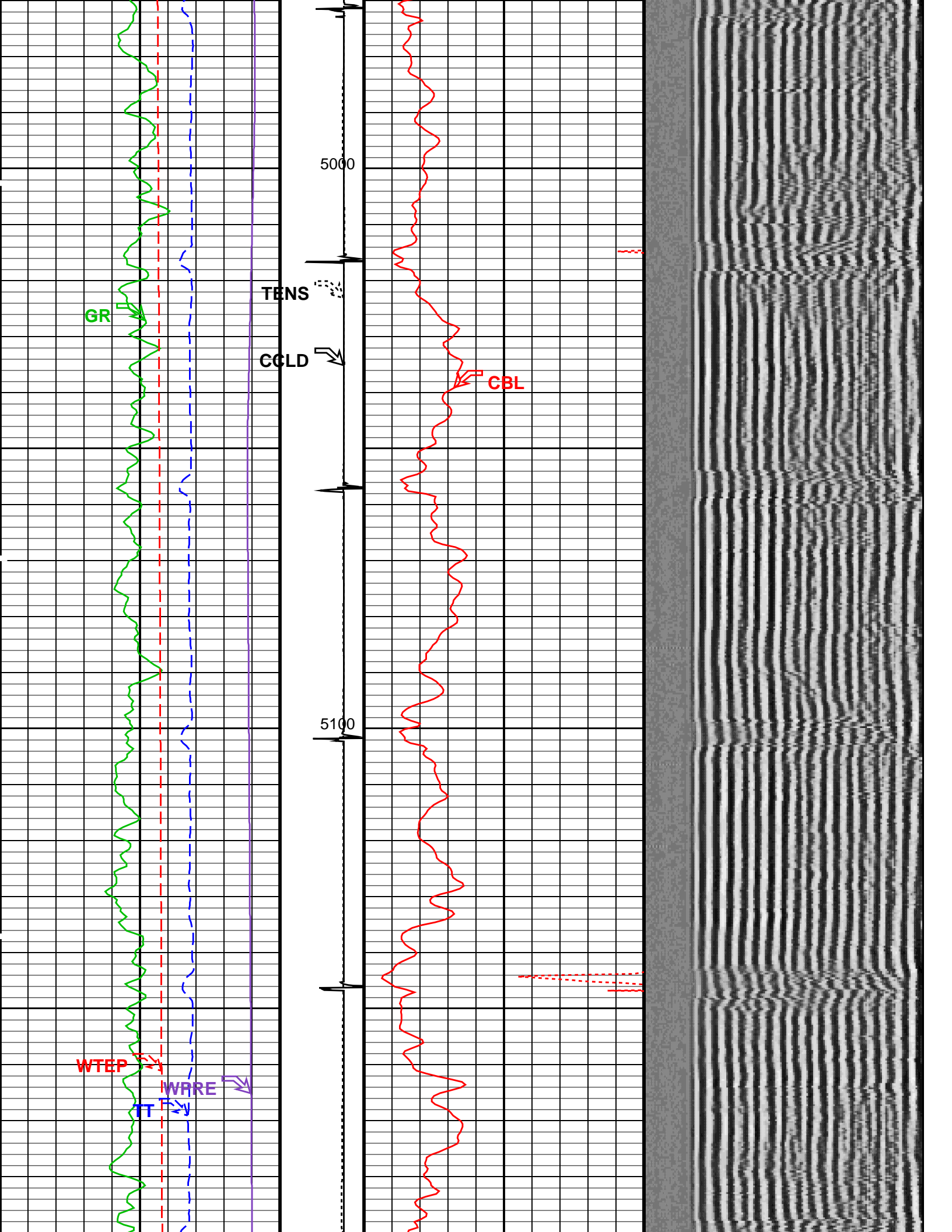


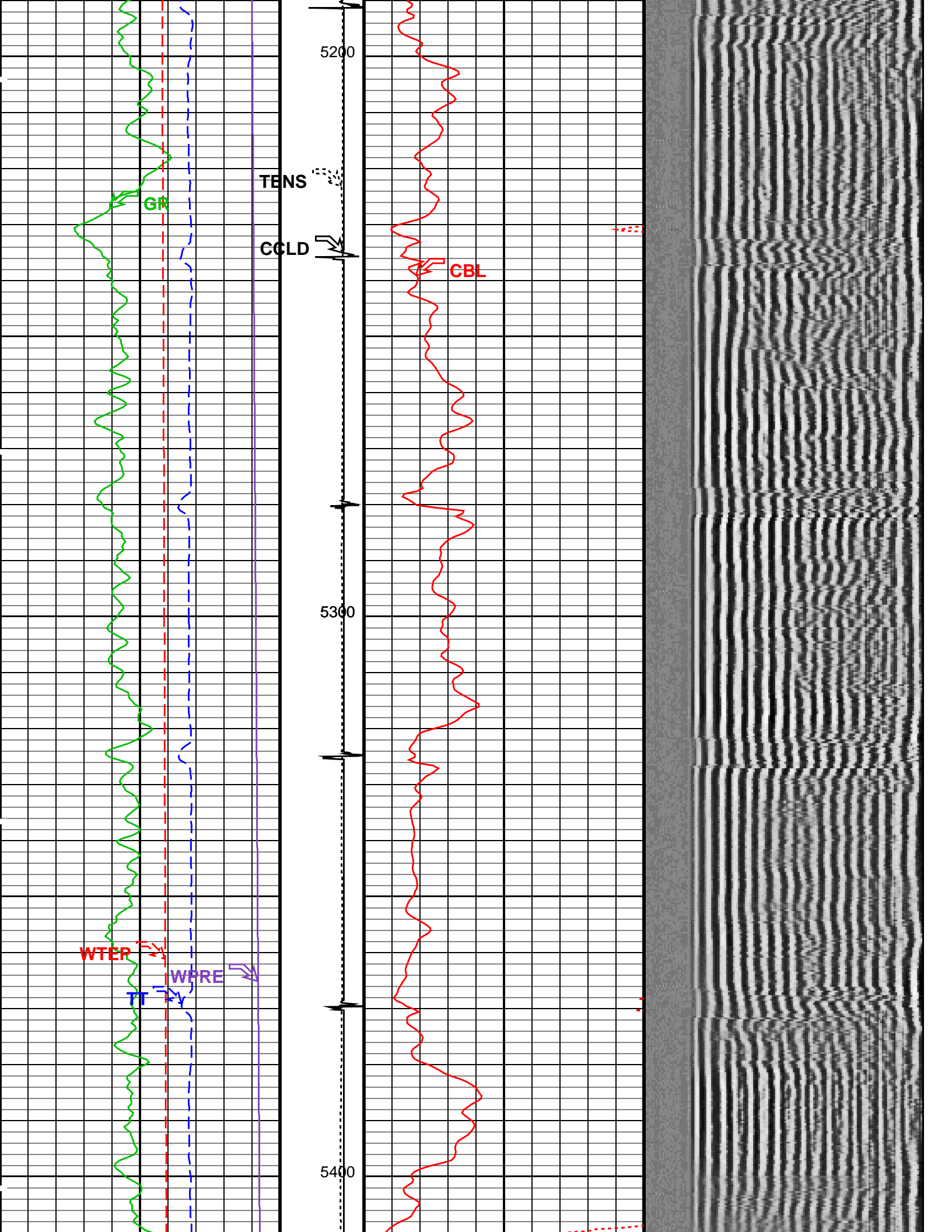


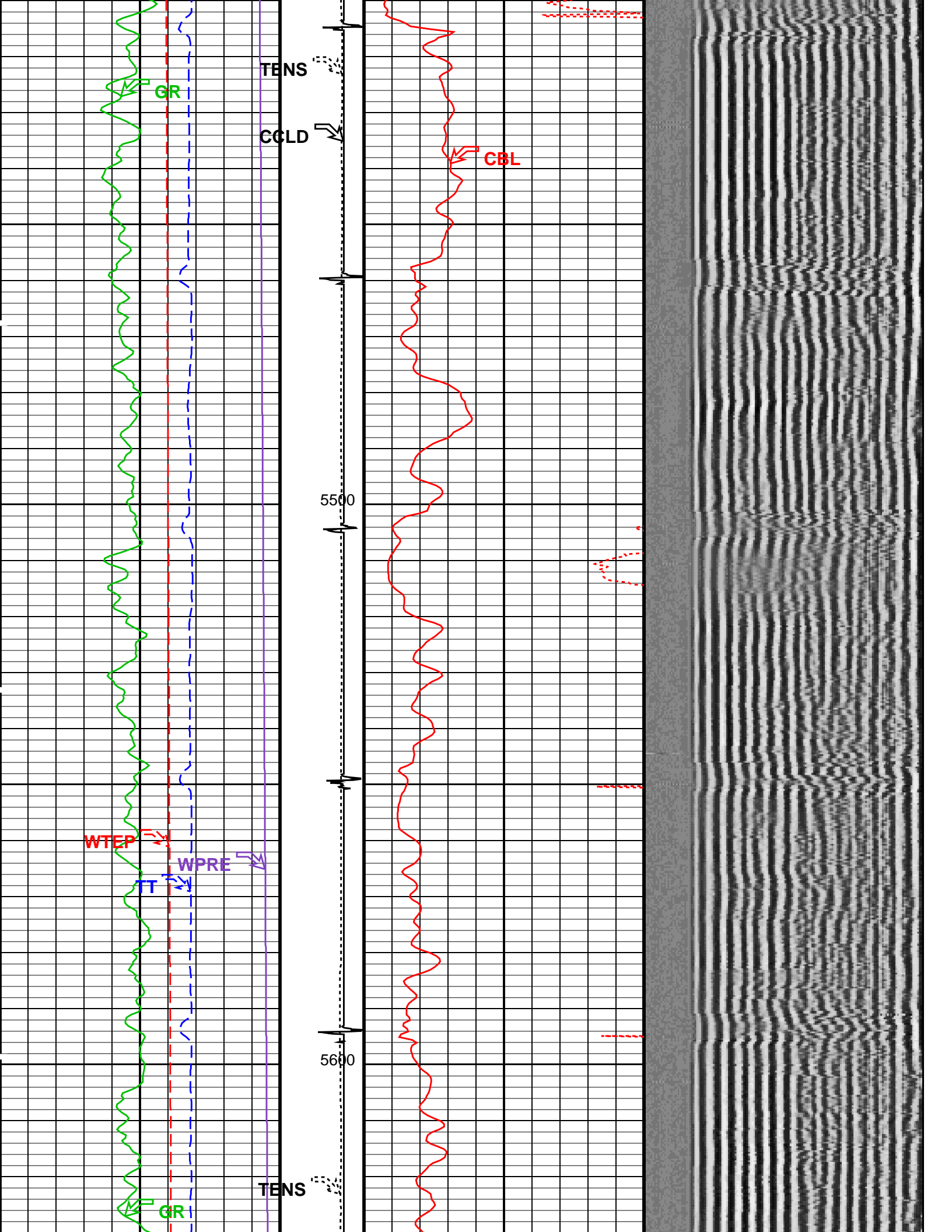


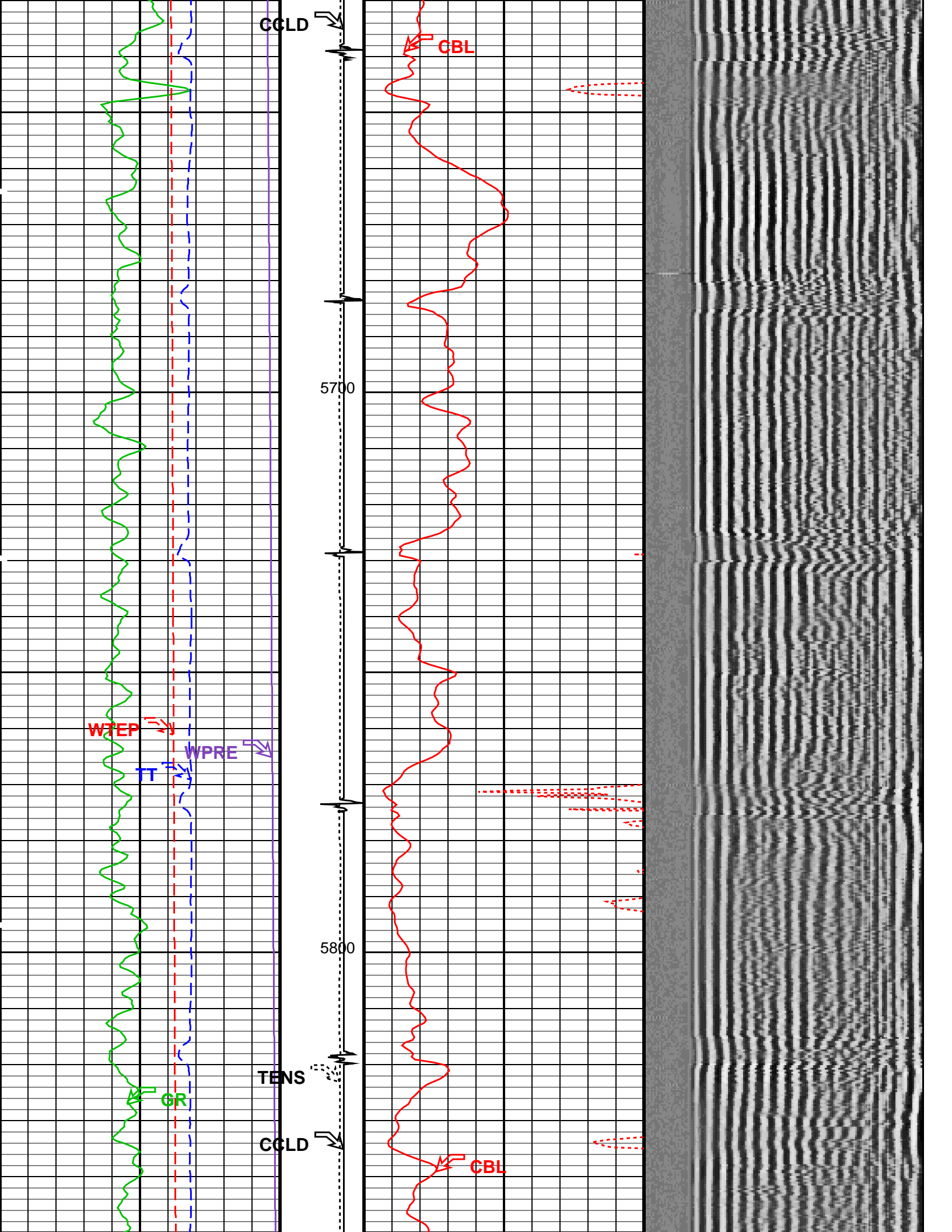


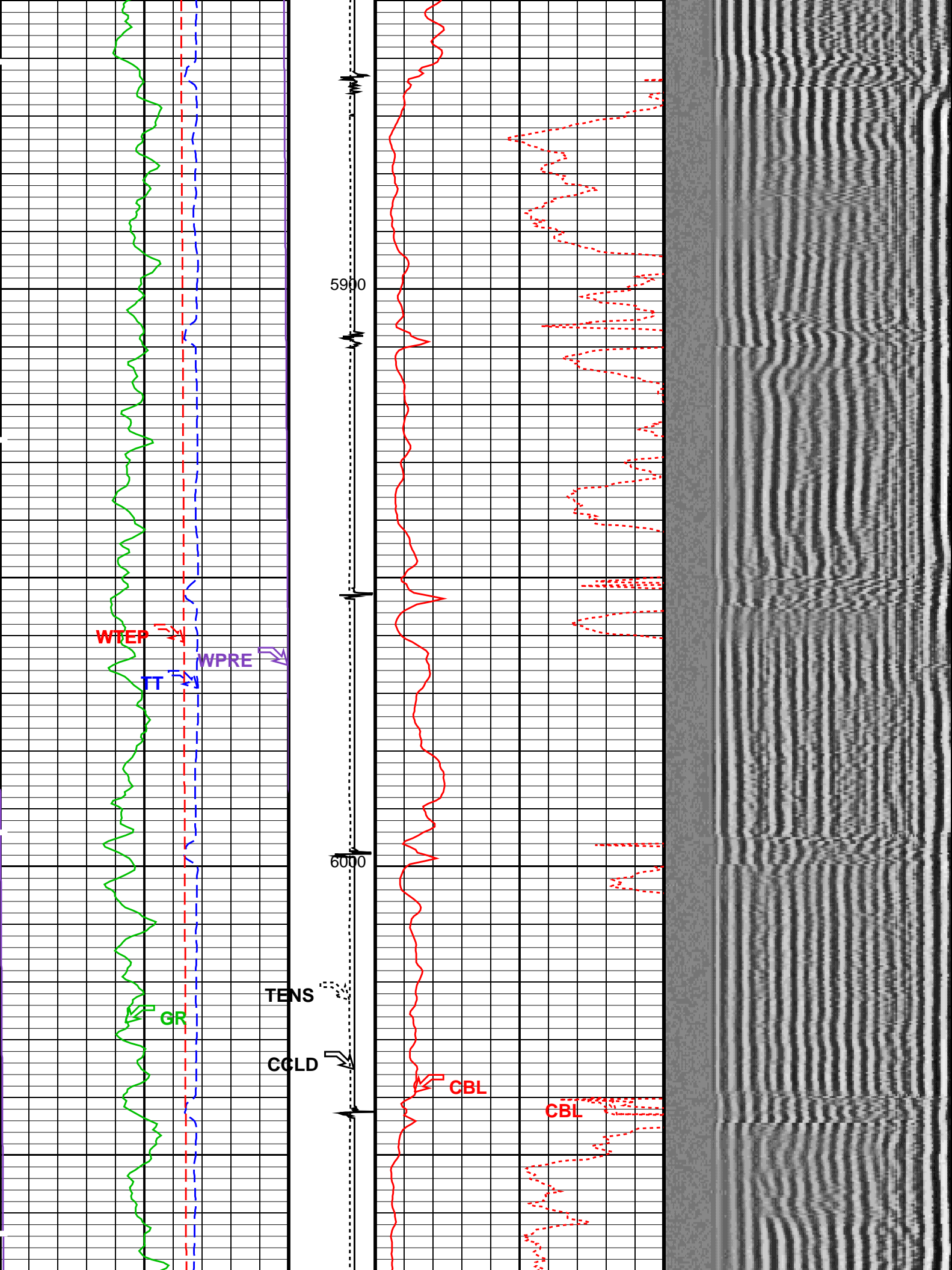


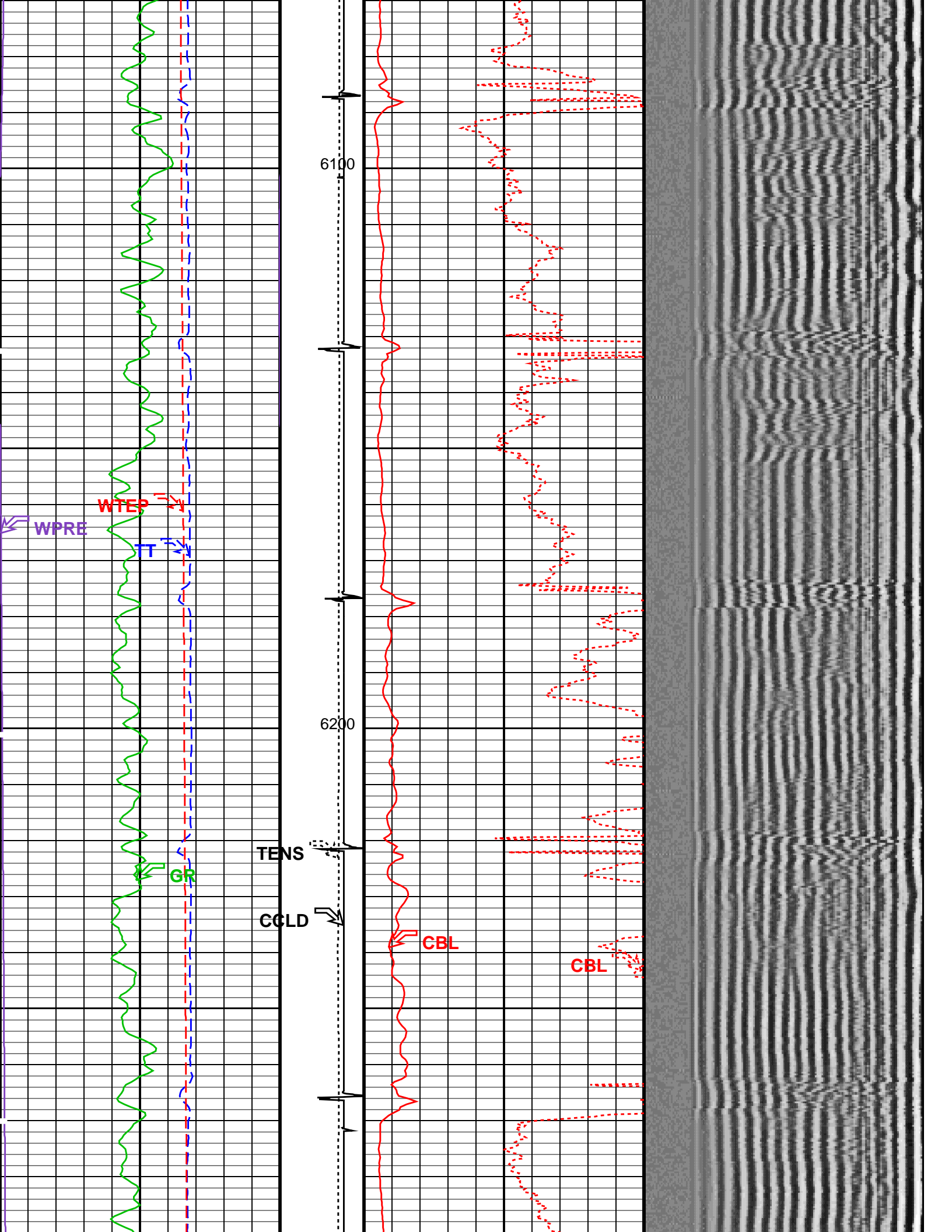


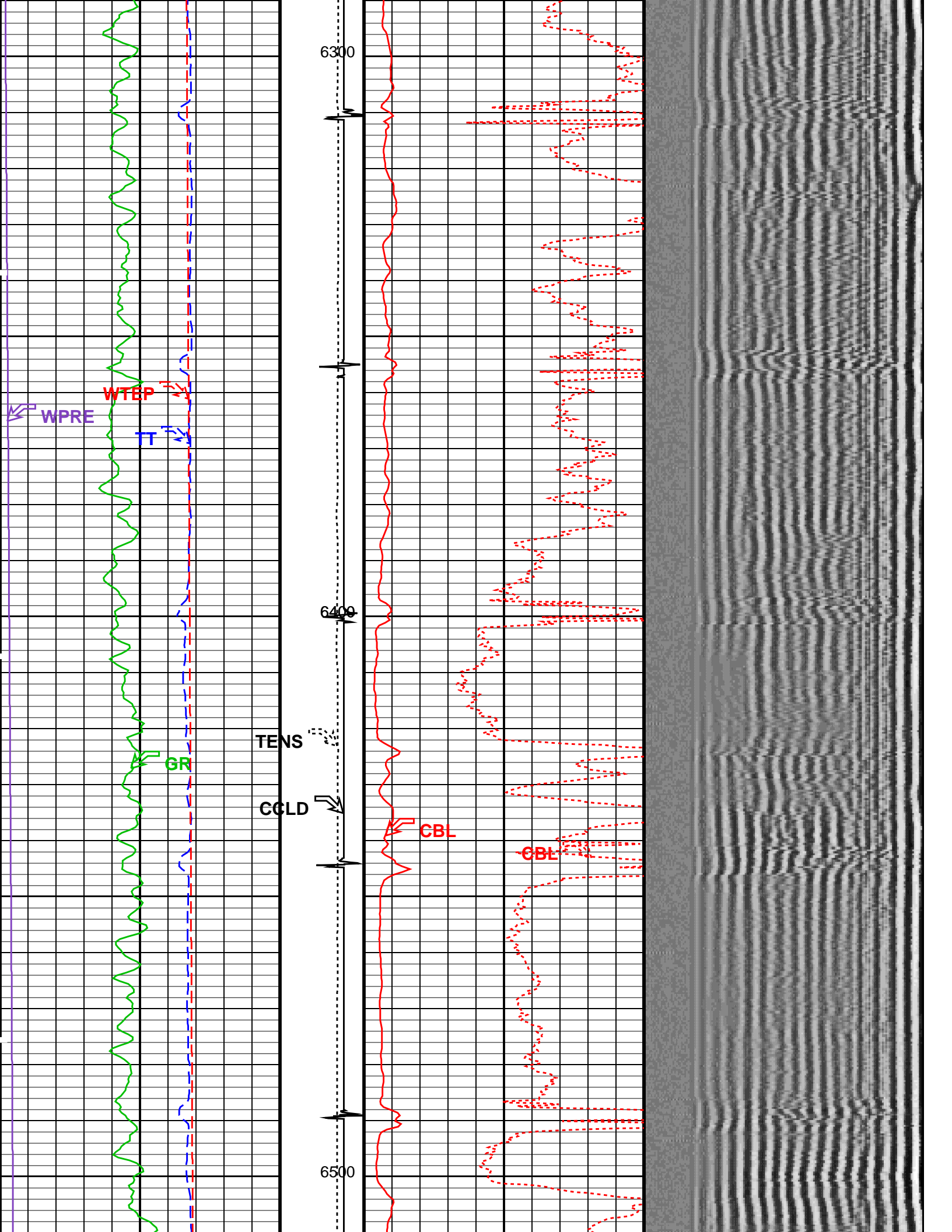


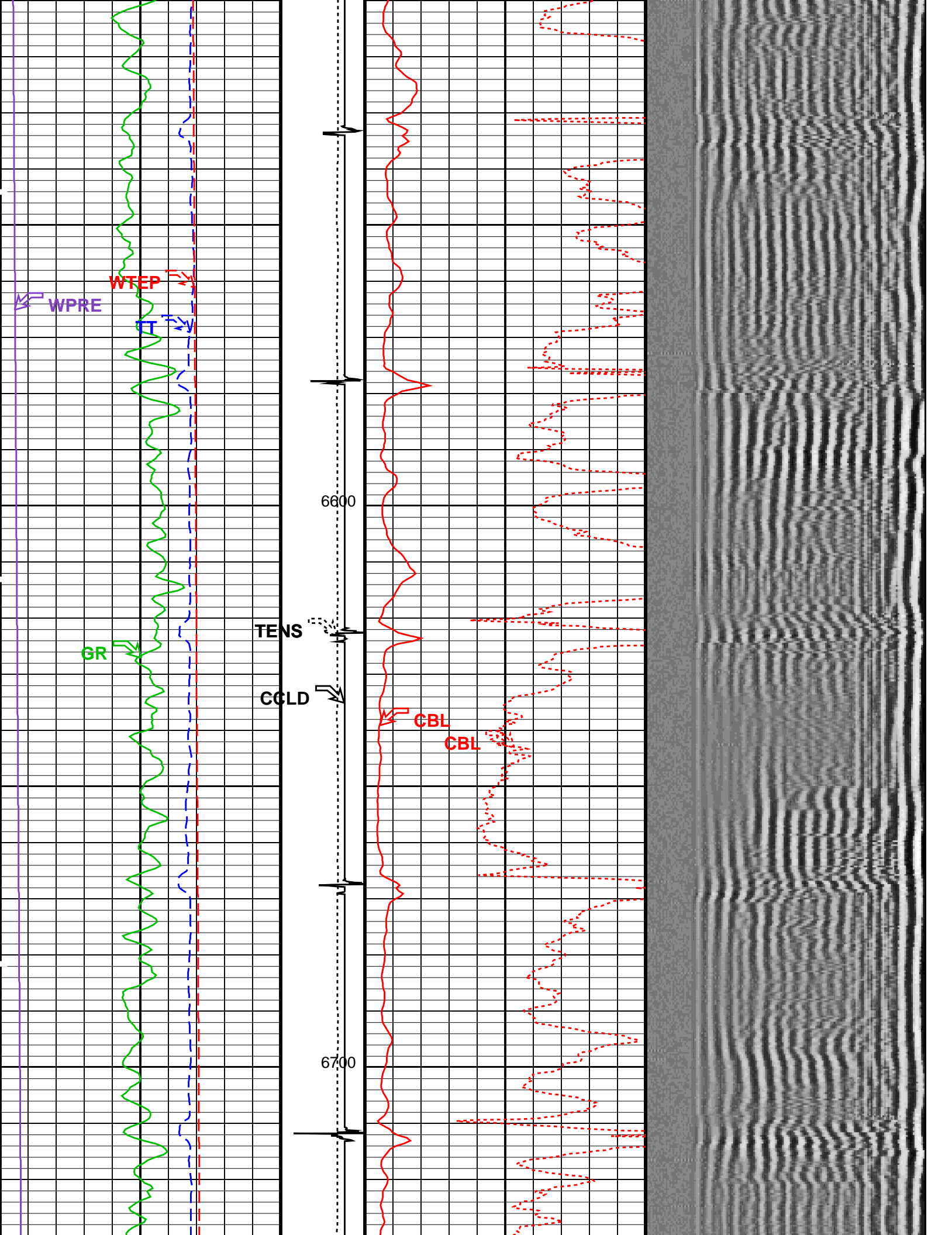


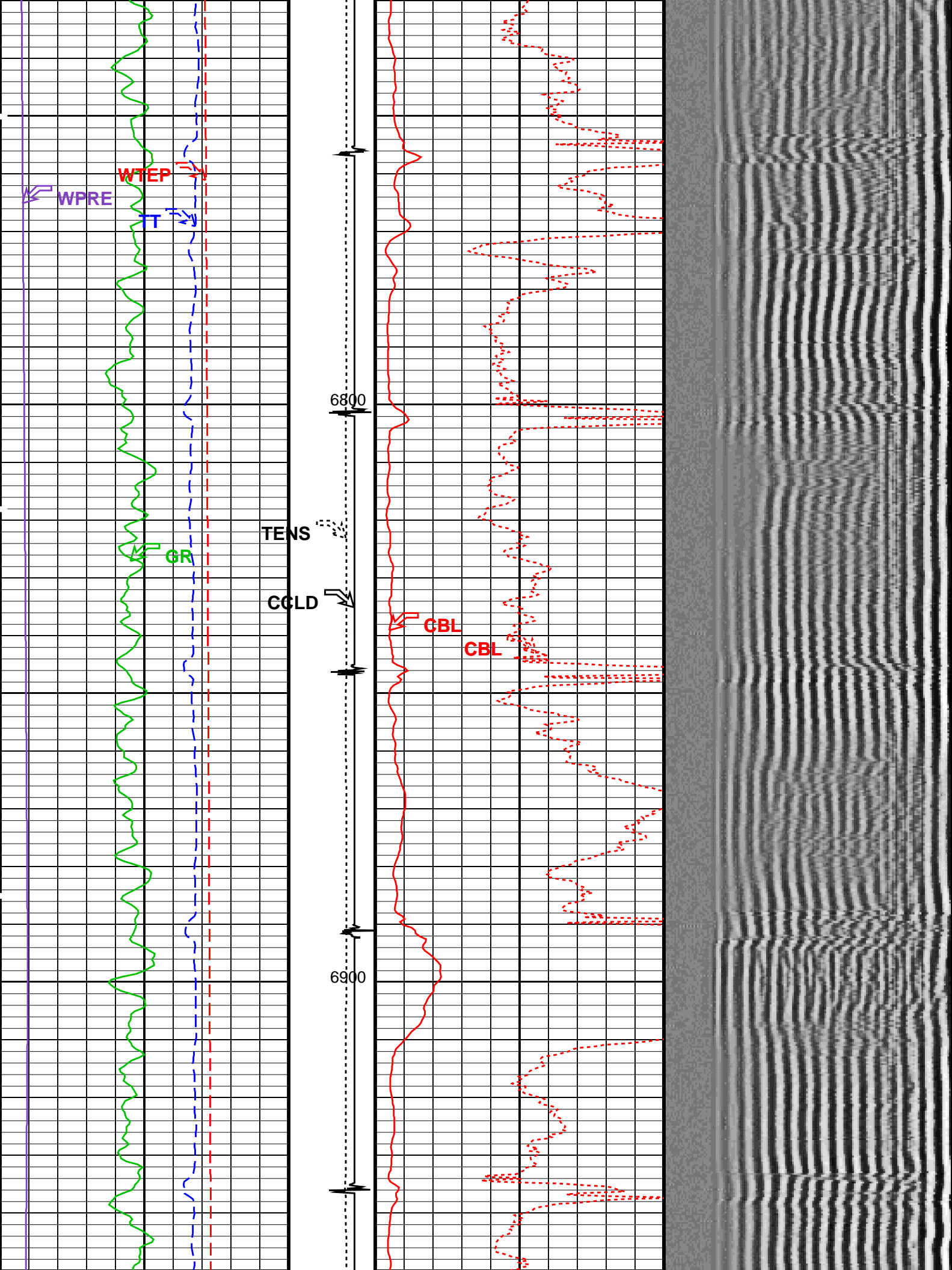


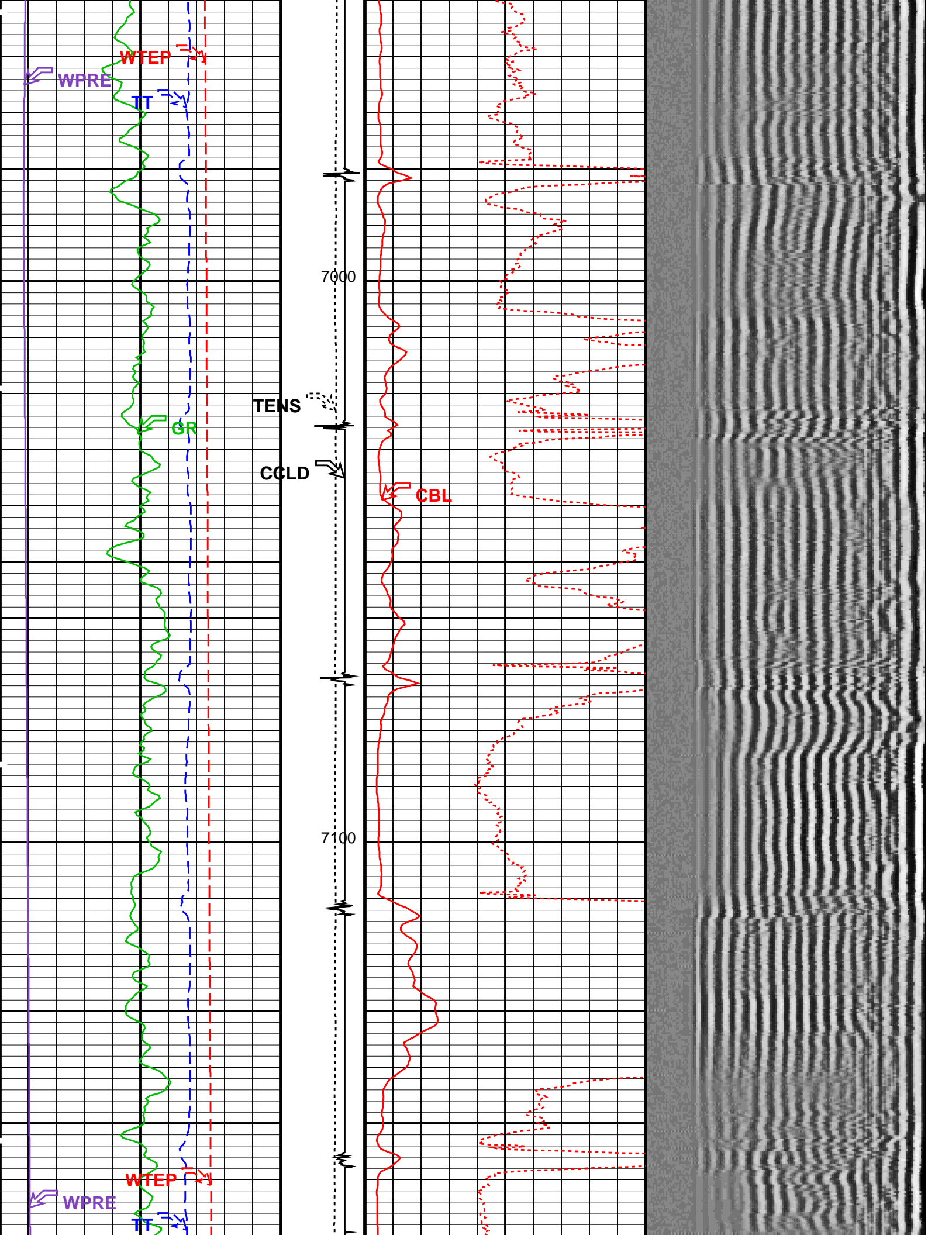


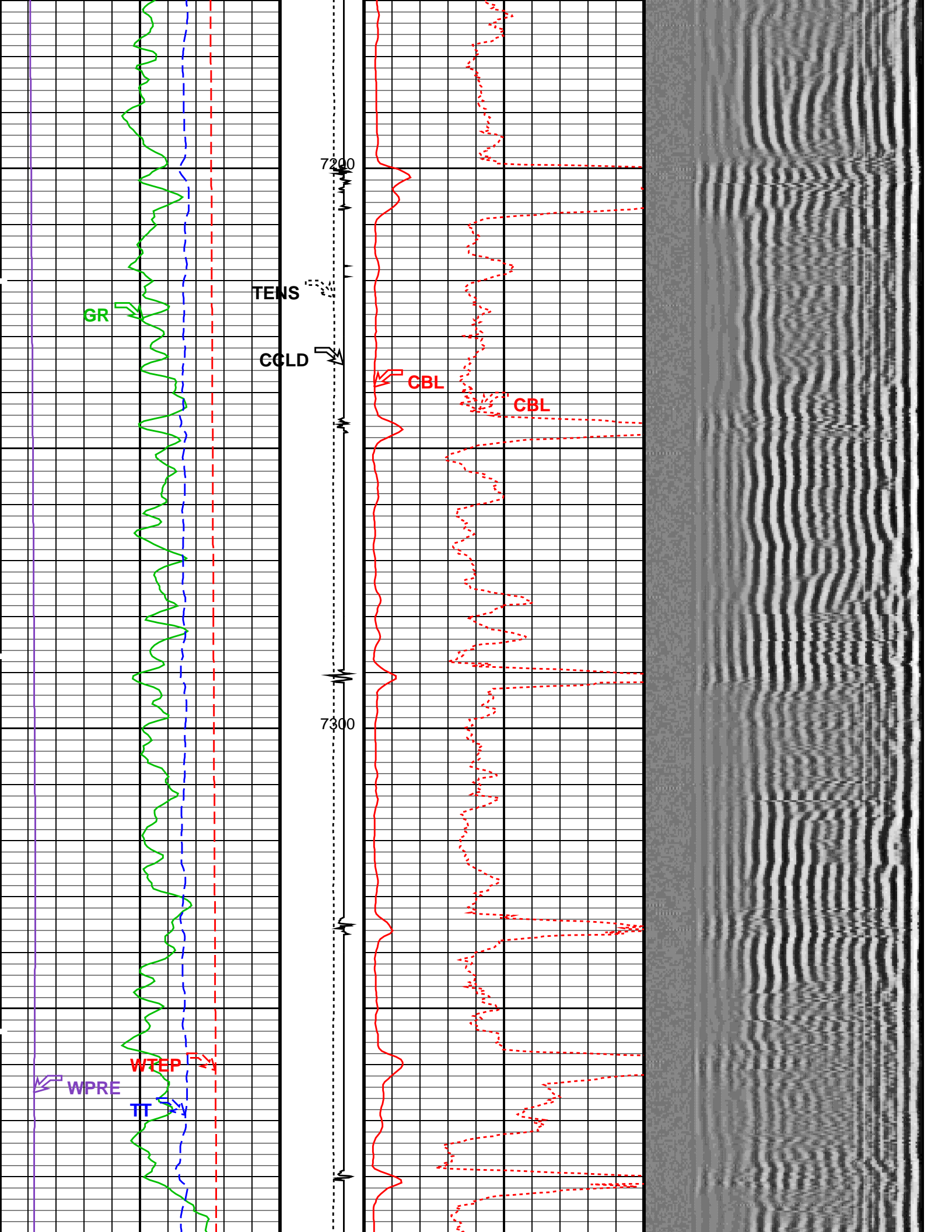


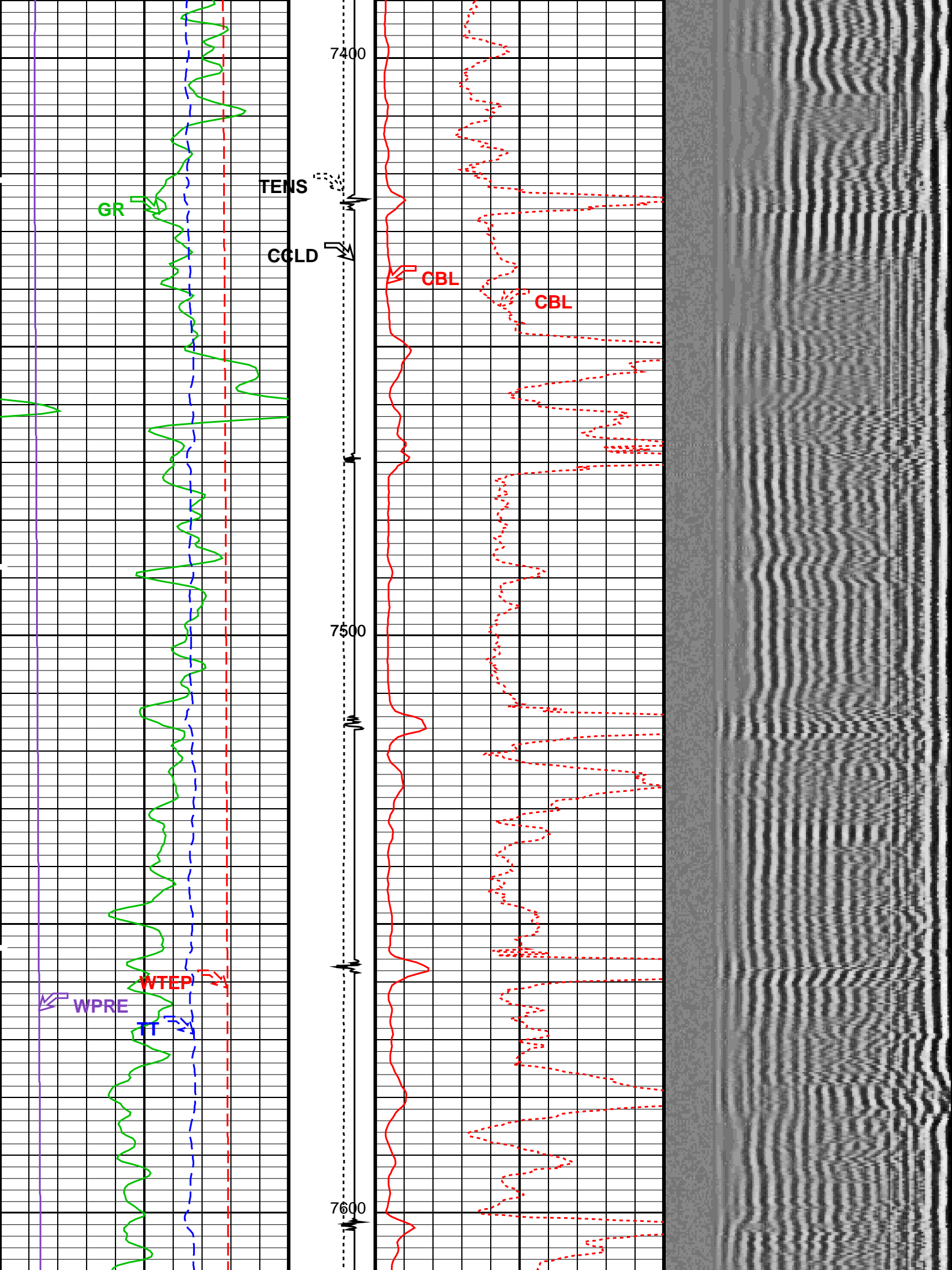


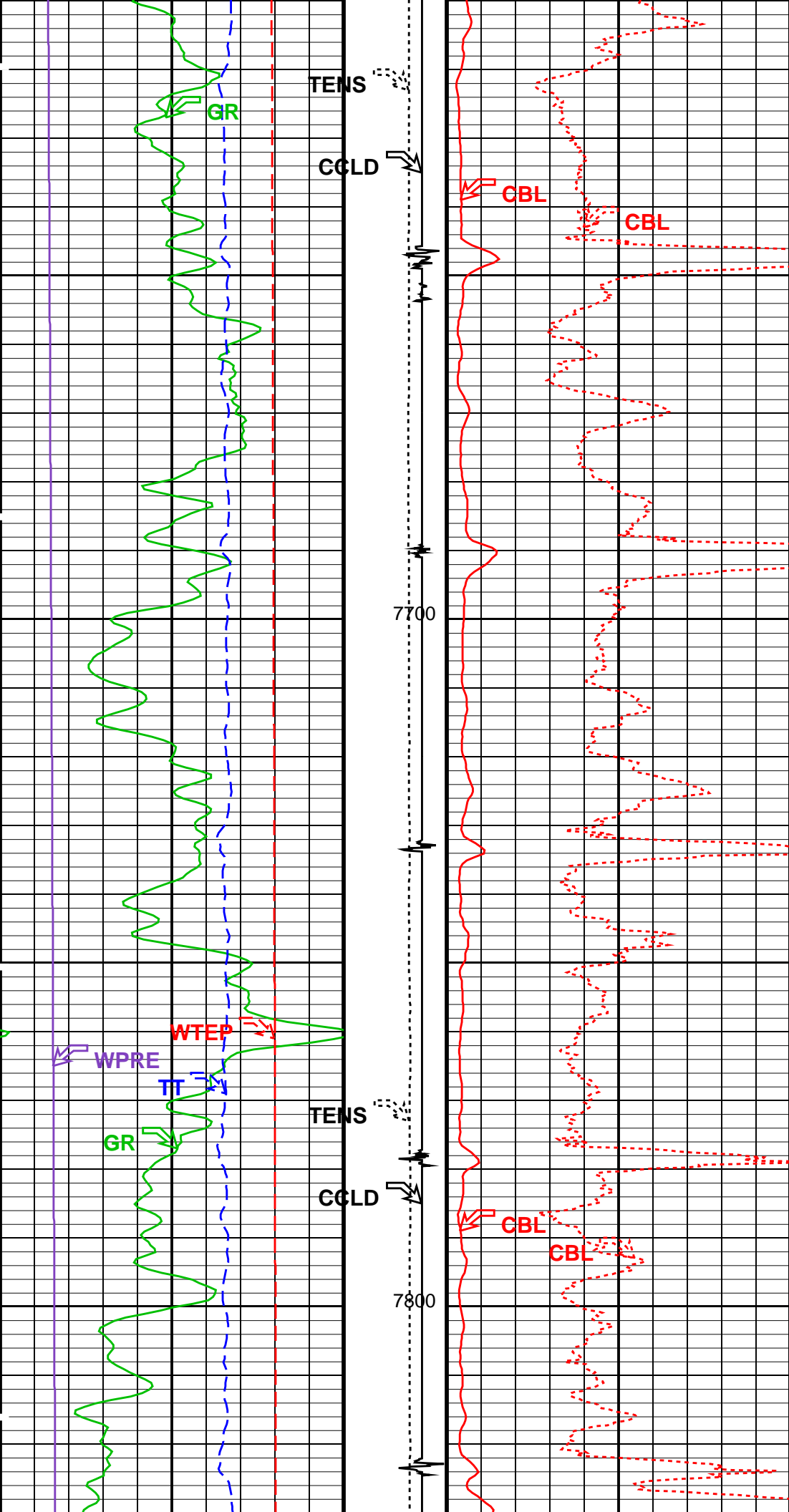


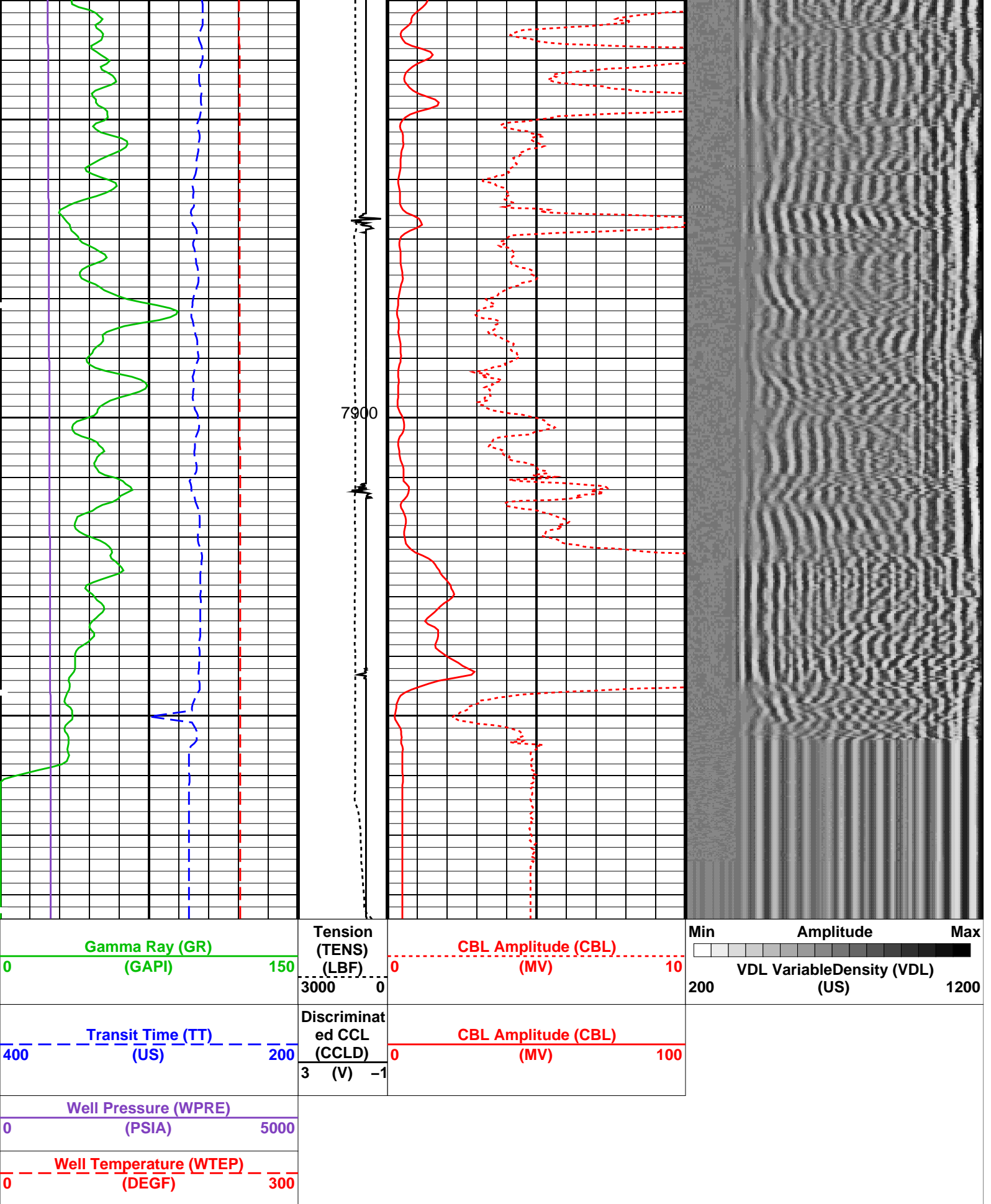












SCMT-CB		19C2-270		PSPT		19C2-270	
<<<SCMT Cement Evaluation Information Summary>>>							
Sonde Serial Number		SCMS-CB 8284					
Current Casing Size		5.50000 IN					
Casing Weight		17.0 LB/F					
Expected CBL Amplitude in Free Pipe Section		71 MV	Minimum Sonic Amplitude		1.15842 MV (100% Cement)		
					2.63842 MV (80% Cement)		
			MAP Minimum Sonic Amplitude		7.35072 MV (100% Cement)		
					12.3898 MV (80% Cement)		
Master Calibration (Normalization)		Before Calibration (Adjustment)					
Date of Master Calibration		12-JUL-2007					
CBL Correction Factor		0.0716233	CBL Adjustment Factor (CBAF)		1.0		
MAP 1 Correction Factor		0.102087	MAP Adjustment Factor (MPAF)		1.0		
MAP 2 Correction Factor		0.103149					
MAP 3 Correction Factor		0.108331					
MAP 4 Correction Factor		0.0974528					
MAP 5 Correction Factor		0.0887865					
MAP 6 Correction Factor		0.0755598					
MAP 7 Correction Factor		0.0967715					
MAP 8 Correction Factor		0.0896694					
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				238.059	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				352.059	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				71	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				0.306128	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				2.63842	MV	
MAPD	SCMT MAP Peak Detection Mode				PEAK		
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate				181.059	US	
MAPT	SCMT MAP Fixed Threshold Level				30	MV	
MATT	Maximum Attenuation				13.848	DB/F	
MCCF	MAP Cement Type Compensation Factor				1		
MCI	Minimum Cemented Interval for Isolation				4.75	FT	
MMSA	MAP Minimum Sonic Amplitude				7.35072	MV	
MSA	Minimum Sonic Amplitude				1.15842	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				5.500	IN	
CWEI	Casing Weight				17.00	LB/F	
DFD	Drilling Fluid Density				8.40	LB/G	
TD	Total Depth				-50000	FT	
Output DLIS Files							
DEFAULT		SCMT_PSP_005LUP		FN:4	PRODUCER	08-Jul-2015 08:33	

Company: Anadarko

Well: Troudt 35C-33HZ

Output DLIS Files

DEFAULT

SCMT_PSP_003LUP

FN:2

PRODUCER

08-Jul-2015 08:22

OP System Version: 19C2-270

SCMT-CB

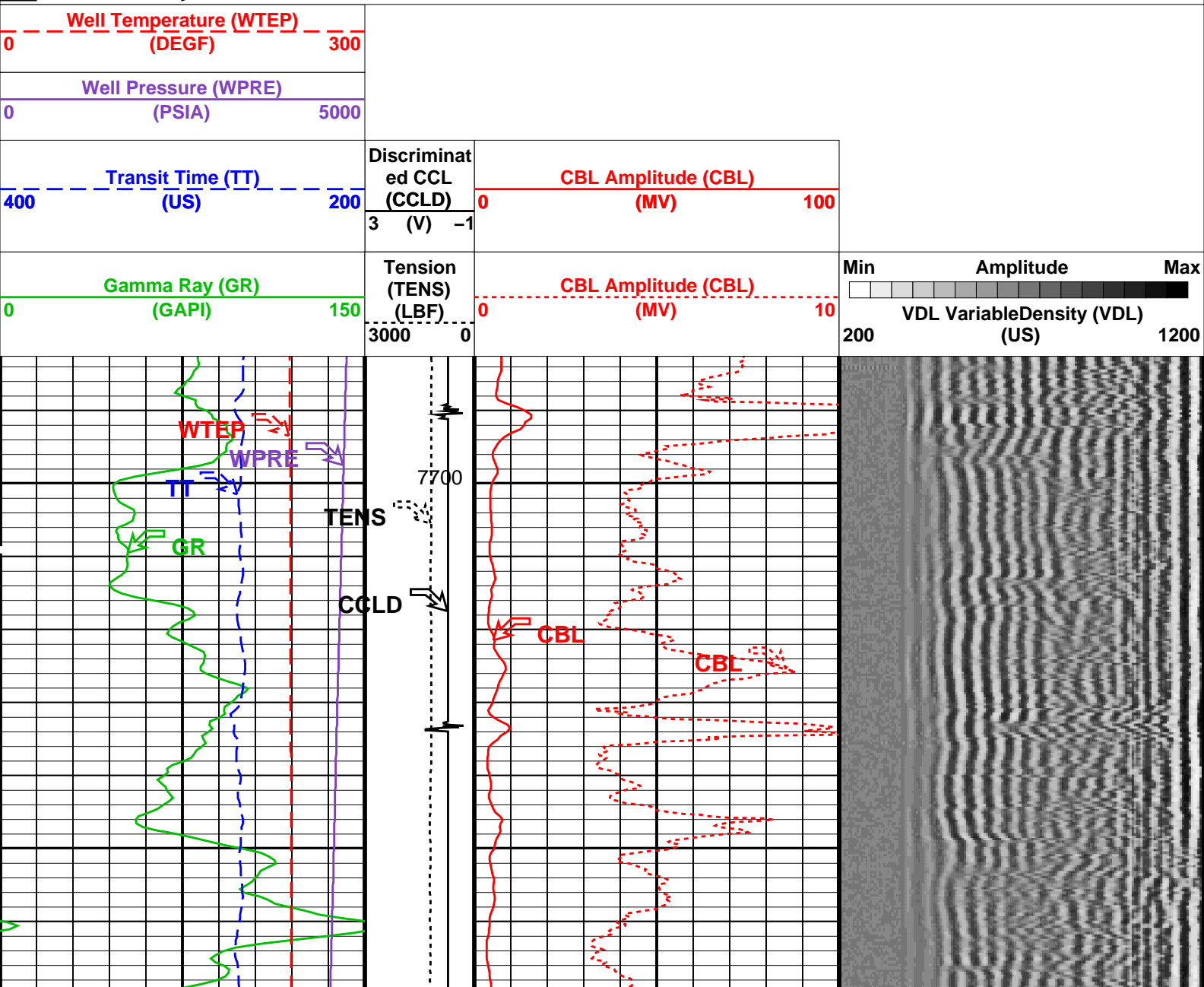
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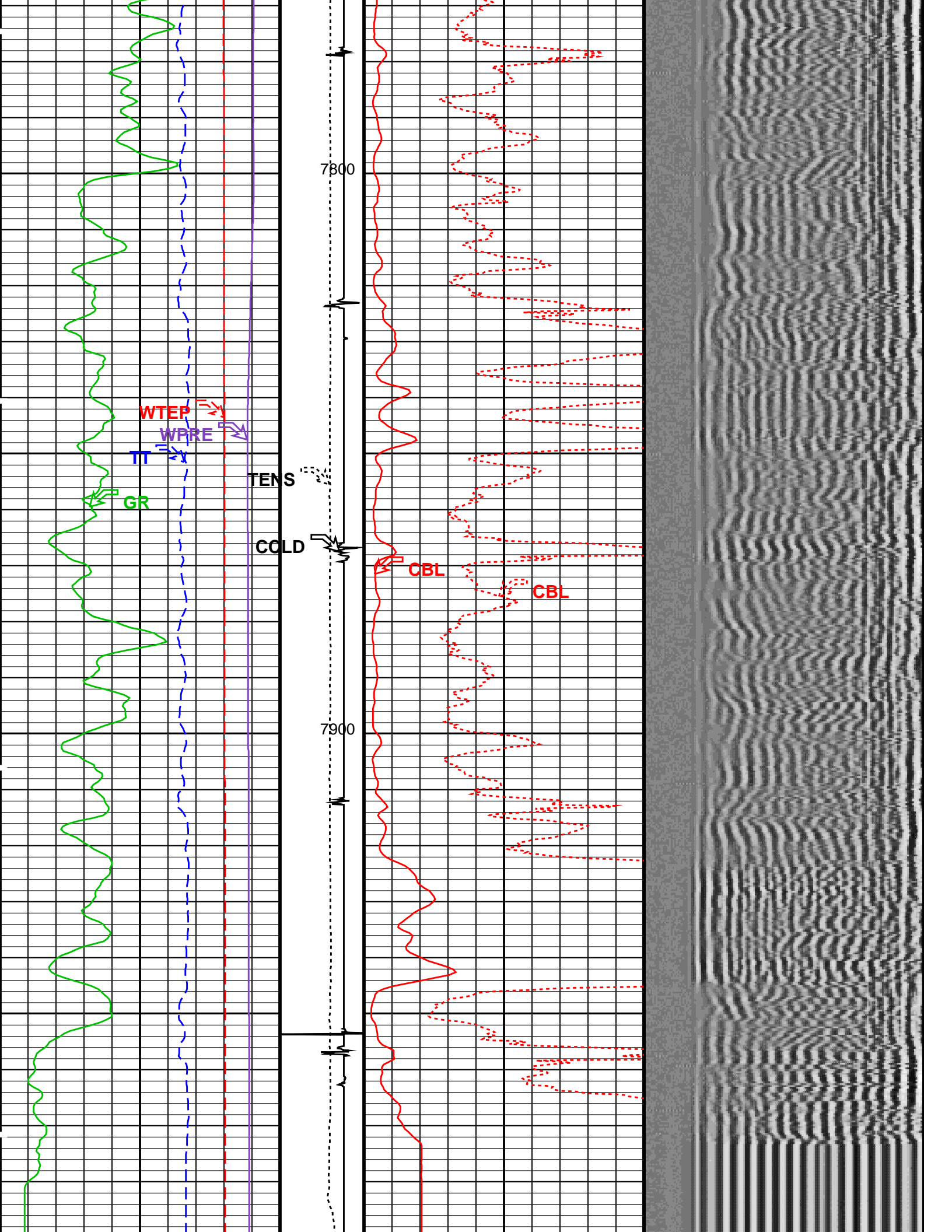
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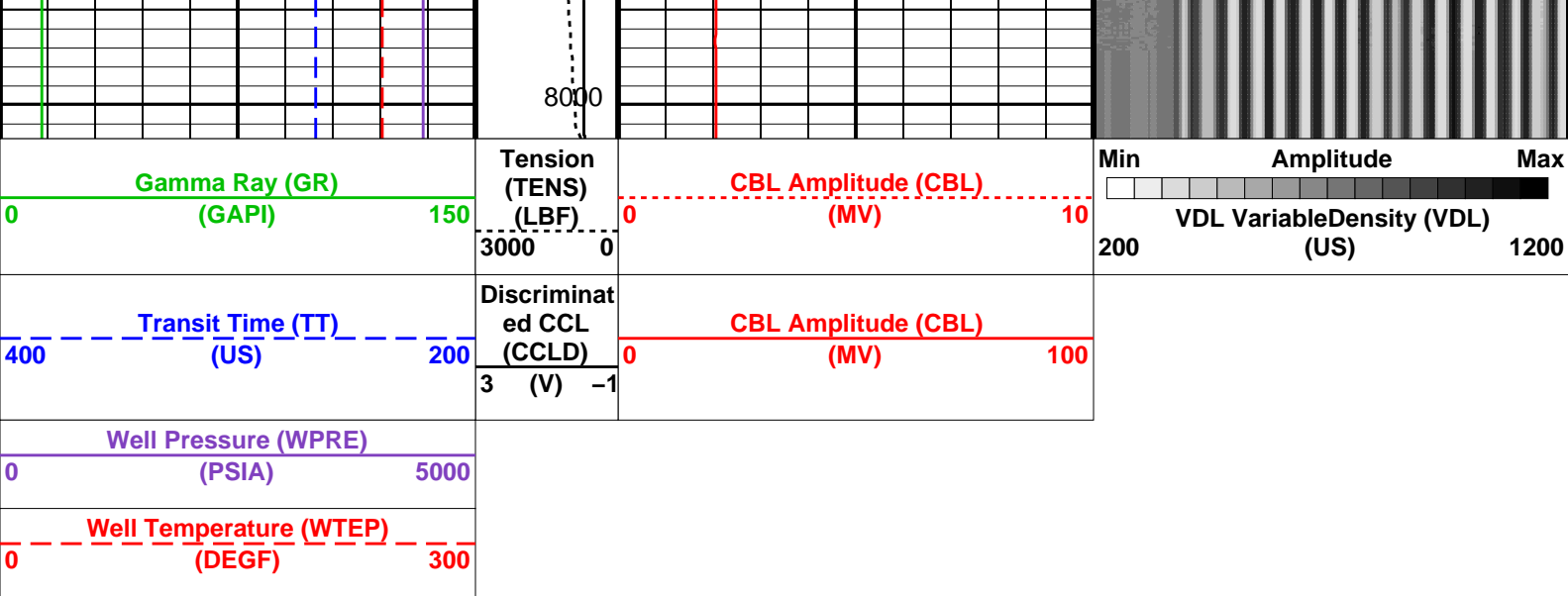
19C2-270

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: 08-Jul-2015 08:22

OP System Version: 19C2-270

SCMT-CB	19C2-270	PSPT	19C2-270
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<<<SCMT Cement Evaluation Information Summary>>>			
Sonde Serial Number	SCMS-CB 8284		
Current Casing Size	5.50000 IN		
Casing Weight	17.0 LB/F		
Expected CBL Amplitude in Free Pipe Section	71 MV	Minimum Sonic Amplitude	1.15842 MV (100% Cement) 2.63842 MV (80% Cement)
		MAP Minimum Sonic Amplitude	7.35072 MV (100% Cement) 12.3898 MV (80% Cement)
Master Calibration (Normalization)		Before Calibration (Adjustment)	
Date of Master Calibration	12-JUL-2007		
CBL Correction Factor	0.0716233	CBL Adjustment Factor (CBAF)	1.0
MAP 1 Correction Factor	0.102087	MAP Adjustment Factor (MPAF)	1.0
MAP 2 Correction Factor	0.103149		
MAP 3 Correction Factor	0.108331		
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MAP 6 Correction Factor	0.0755598		
MAP 7 Correction Factor	0.0967715		
MAP 8 Correction Factor	0.0896694		

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	238.059	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	352.059	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	71	MV

CMCF	CBL Cement Type Compensation Factor	1	IN
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
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MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	181.059	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	13.848	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	4.75	FT
MMSA	MAP Minimum Sonic Amplitude	7.35072	MV
MSA	Minimum Sonic Amplitude	1.15842	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	5.500	IN
CWEI	Casing Weight	17.00	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
TD	Total Depth	-50000	FT

Output DLIS Files

DEFAULT	SCMT_PSP_003LUP	FN:2	PRODUCER	08-Jul-2015 08:22
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Company: **Anadarko**

Well: **Troudt 35C-33HZ**

Field: **Wattenberg**

County: **Weld**

State: **Colorado**

E&P Wireline

CBL, VDL, GR, CCL, TEMP, PRES