Schlumberger

Company: Crestone Peak Resources and Operating LLC
Well: Echeverria 2E-2H-D267
Field: Wattenberg
County: Weld State: Colorado

County:	Weld
Field:	Wattenberg
Location:	NWNW Sec. 2, T2N, R67W
Well:	Echeverria 2E-2H-D267
Company:	Crestone Peak Resources and Operating LLC

Slim Cement Mapping Tool
Cement Evaluation
Gamma Ray - CCL Log

Location:
NWNW Sec. 2, T2N, R67W
SHL: 898' FNL & 599' FWL
Lat/Long: 40.172032 \ -104.864828

Elev.: K.B. 4905.00 ft
G.L. 4882.00 ft
D.F. 4905.00 ft

Permanent Datum: Ground Level Elev.: 4882.00 f
Log Measured From: Kelly Bushing 23.00 ft above Perm.Datum
Drilling Measured From: Kelly Bushing

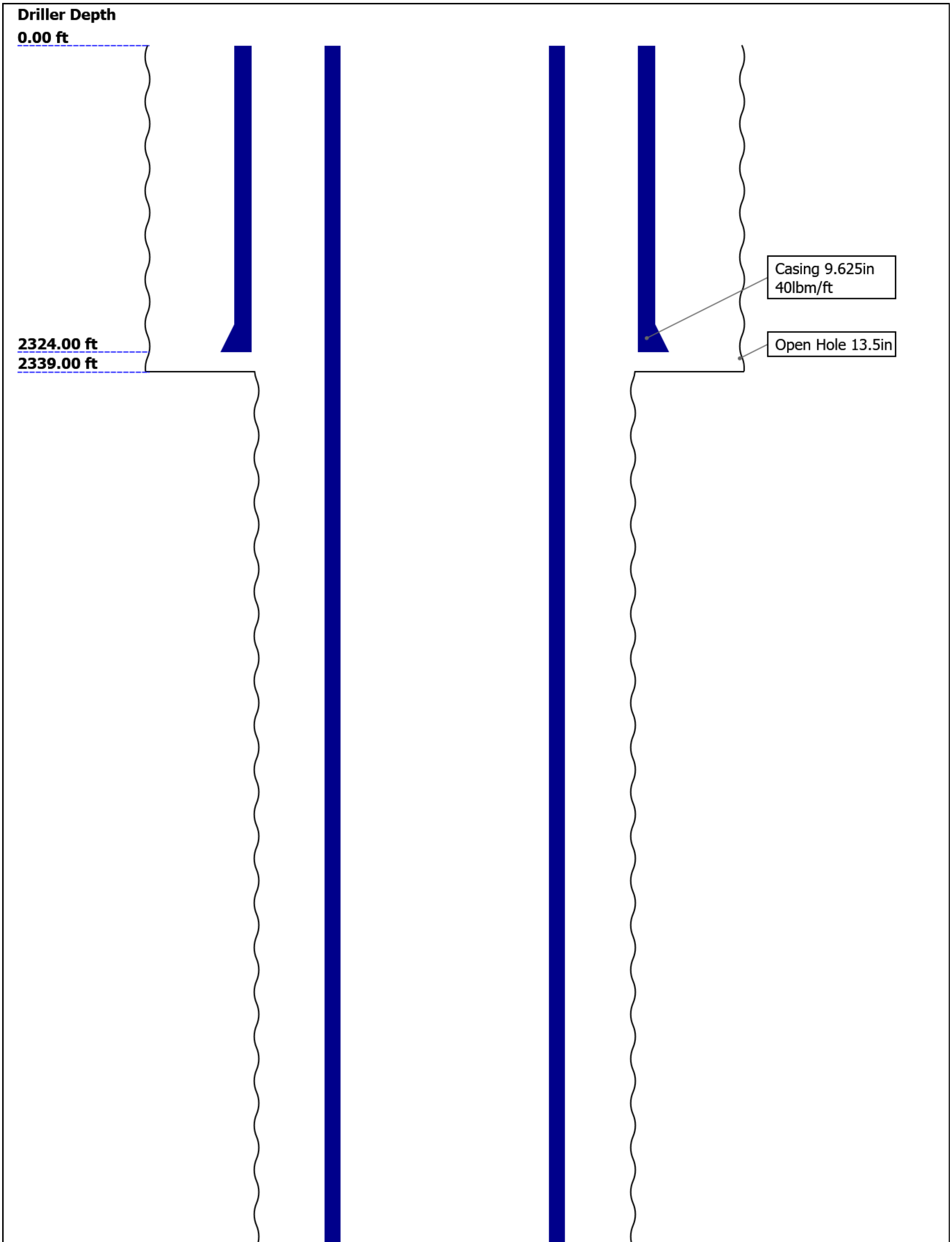
API Serial No.	Section:	Township:	Range:
05-123-48765	2	2N	67W

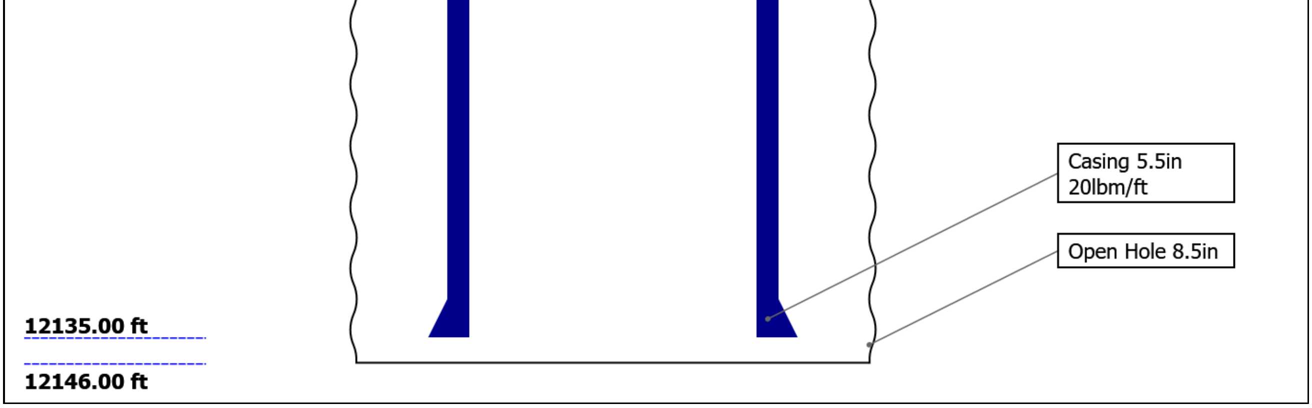
Logging Date	22-May-2019	
Run Number	Two	
Depth Driller	12146.00 ft	
Schlumberger Depth	12146.00 ft	
Bottom Log Interval	7060.00 ft	
Top Log Interval	90.00 ft	
Casing Fluid Type	Brine	
Salinity		
Density	8.4 lbm/gal	
Fluid Level	8.00 ft	
BIT/CASING/TUBING STRING		
Bit Size	8.50 in	
From	2339.00 ft	
To	12146.00 ft	
Casing/Tubing Size	5.5 in	
Weight	20 lbm/ft	
Grade	N/A	
From	0.00 ft	
To	12135.00 ft	
Max Recorded Temperatures	203 degF	
Logger on Bottom Time	22-May-2019 21:26:00	
Unit Number Location:	9111 Fort Morgan	
Recorded By	Alkhalil Alkindi	
Witnessed By	John Ansobor	

Disclaimer

Contents

Well Sketch


Driller Depth
0.00 ft
2324.00 ft
2339.00 ft
Casing 9.625in
40lbm/ft
Open Hole 13.5in



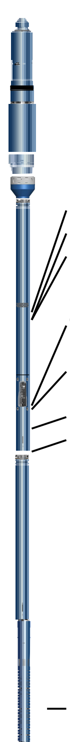
Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	13.5	8.5				
Top Driller (ft)	0	2339				
Top Logger (ft)	0	2339				
Bottom Driller (ft)	2339	12146				
Bottom Logger (ft)	2339	12146				
Casing						
Size (in)	9.625	5.5				
Weight (lbm/ft)	40	20				
Inner Diameter (in)	8.835	4.778				
Grade	N/A	N/A				
Top Driller (ft)	0	0				
Top Logger (ft)	0	0				
Bottom Driller (ft)	2324	12135				
Bottom Logger (ft)	2324	12135				

Remarks and Equipment Summary

Two: Toolstring

Equip name	Length
LEH-QT	32.49
LEH-QT	
AH-323	29.00
AH-329	28.57
PSTP-A:1925	28.27
PSC-A:2776	
PSTC-A:2776	
PBMS-A:1925	
Sapphire 10kPSI:2776	
SCMT-CB:8258	20.01
SECH-CA	
SCMC-CA:8140	
SCMS-CB:8258	
SCMX-CA:8213	
CMIR-AG	



MP name	Offset
GR	24.57
PSTC	24.27
PSTC Tool String Bottom	0.00
Temperature	21.49
Sapphire Pressure	21.37
CCL	20.76
PBMS	20.01
DT	14.48

Two: Remarks

Thank you for choosing Schlumberger!

Toolstring run centralized as per toolsketch

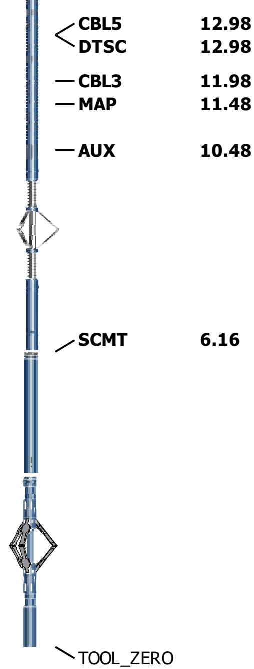
Three 5" Gemco used for centralization

Log run under 0 psi

Annular Fluid: 10.5 ppg OBM
Lead Cement 12.5 ppg
Tail Cement Density: 13.5 ppg
Spacer Density: 11 ppg

Log correlated to Isolation Scanner log at 6803ft

Crew: Alex Schaab



Lengths are in ft
Maximum Outer Diameter = 3.375 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

Depth Summary

	Two		
Depth Measuring Device			
Type	IDW-JA		
Serial Number	6241		
Calibration Date	30-Apr-2019		
Calibrator Serial Number	IDWC-C-57		
Calibration Cable Type	7-46 PXS		
Wheel Correction 1	-1		
Wheel Correction 2	-2		
Tension Device			
Type	CMTD-B/A		
Serial Number	161		
Calibration Date	13-May-2019		
Calibrator Serial Number	1148		
Number of Calibration Points	10		
Calibration Root Mean Square Error	6		
Calibration Peak Error	10		
Logging Cable			
Type	7-46P-XS		
Serial Number	U712020		
Length	23245.00 ft		
Conveyance Type	Wireline		
Rig Type	Crane		
Two:Depth Control Parameters		**Depth Control Remarks**	
Log Sequence	Subsequent Log In the Well	All Schlumberger depth control procedures were followed	
Reference Log Name	Isolation Scanner	IDW used as primary depth control.	

Reference Log Run Number	One	Z-chart used as secondary depth control
Reference Log Date	22-May-2019	Depth correlated to Isolation Scanner Log

Two

Main Pass

Software Version

Acquisition System	Version
Maxwell 2019	9.0.106845.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Two	Log[5]:Up	Up	14.02 ft	7077.57 ft	22-May-2019 6:26:55 PM	22-May-2019 10:31:06 PM	ON	6.39 ft	Yes

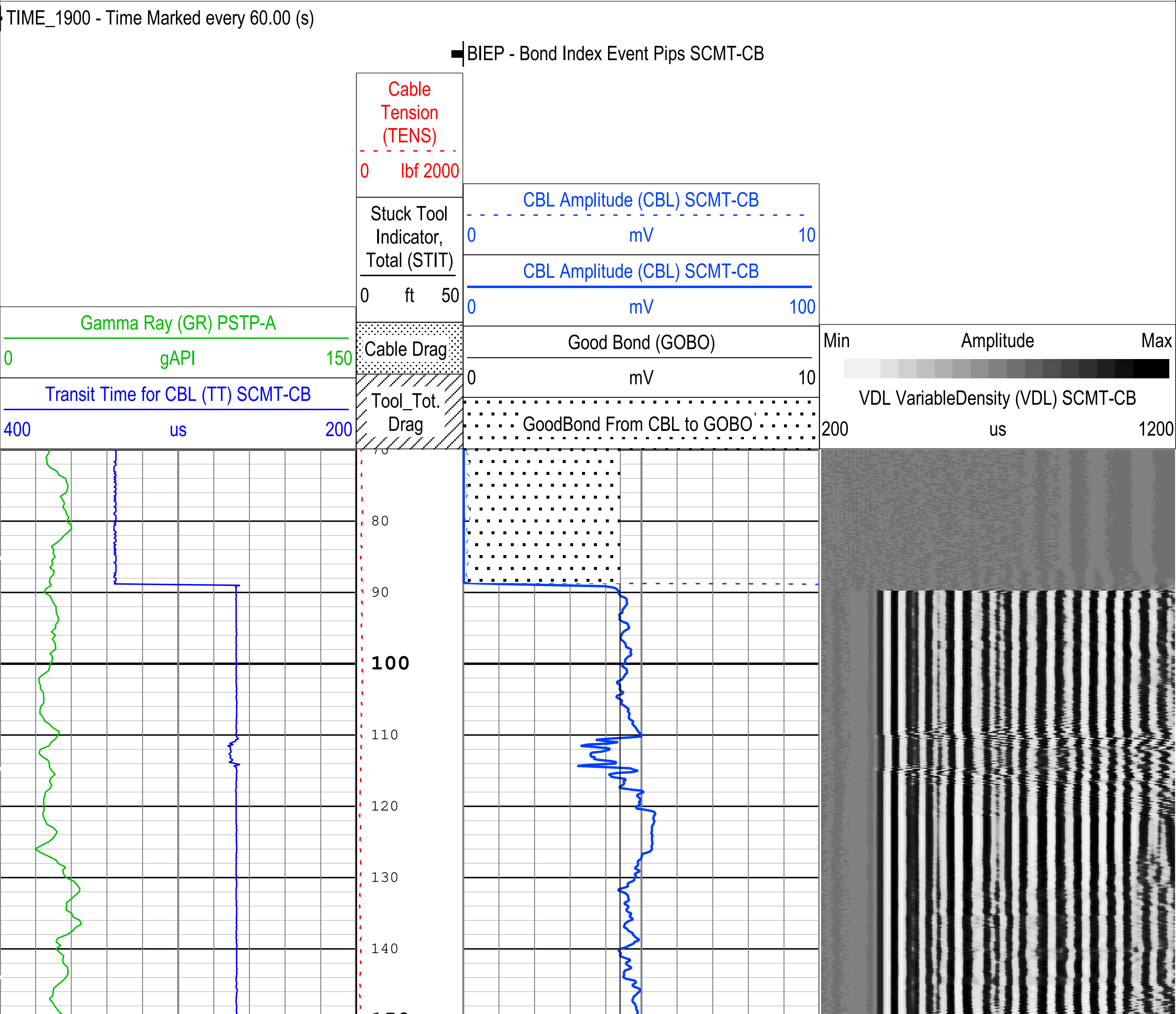
All depths are referenced to toolstring zero

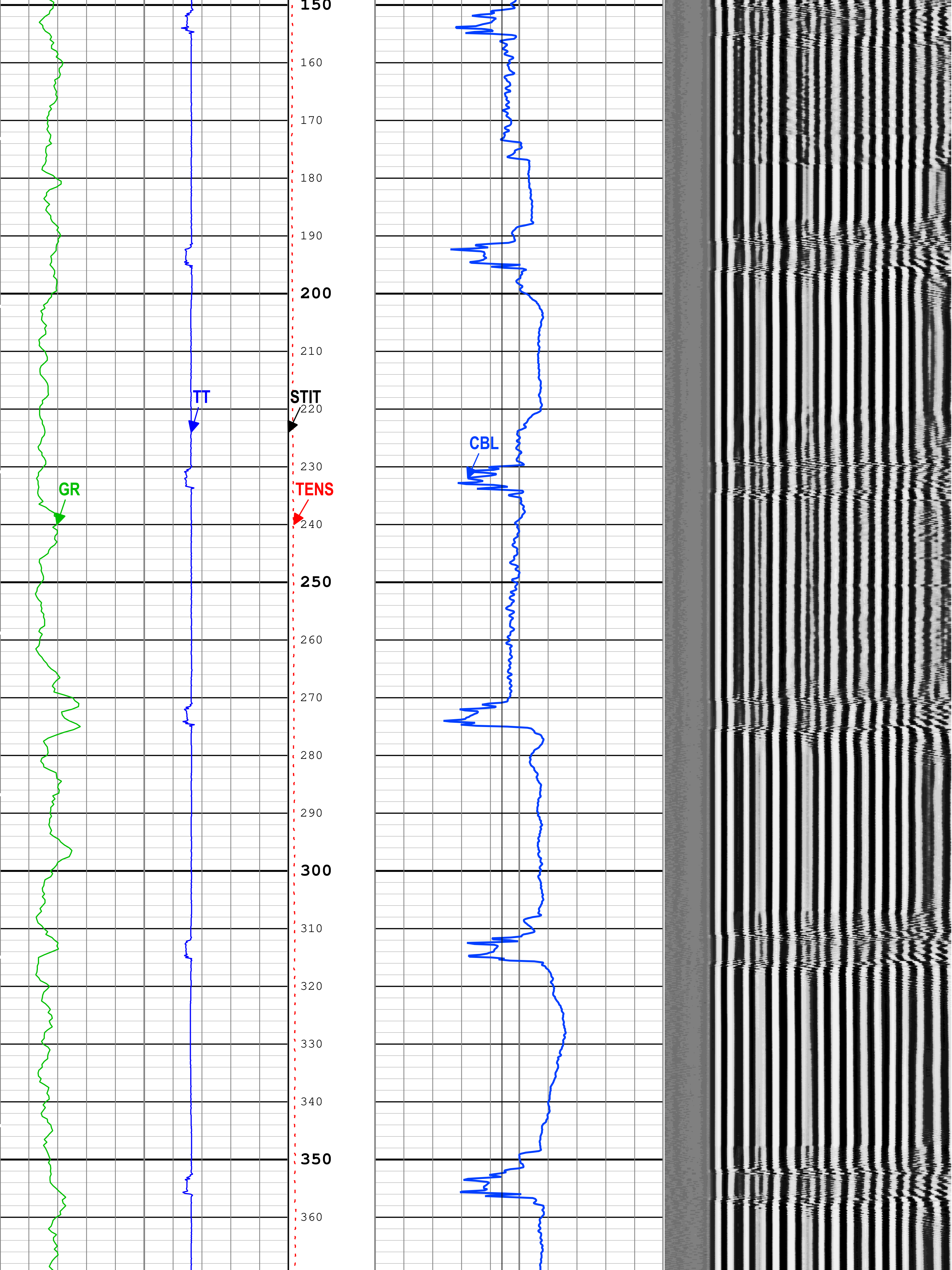
Log

Company:Crestone Peak Resources and Operating LLC Well:Echeverria 2E-2H-D267

Two: Log[5]:Up:S007

Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 24-May-2019 12:57:53

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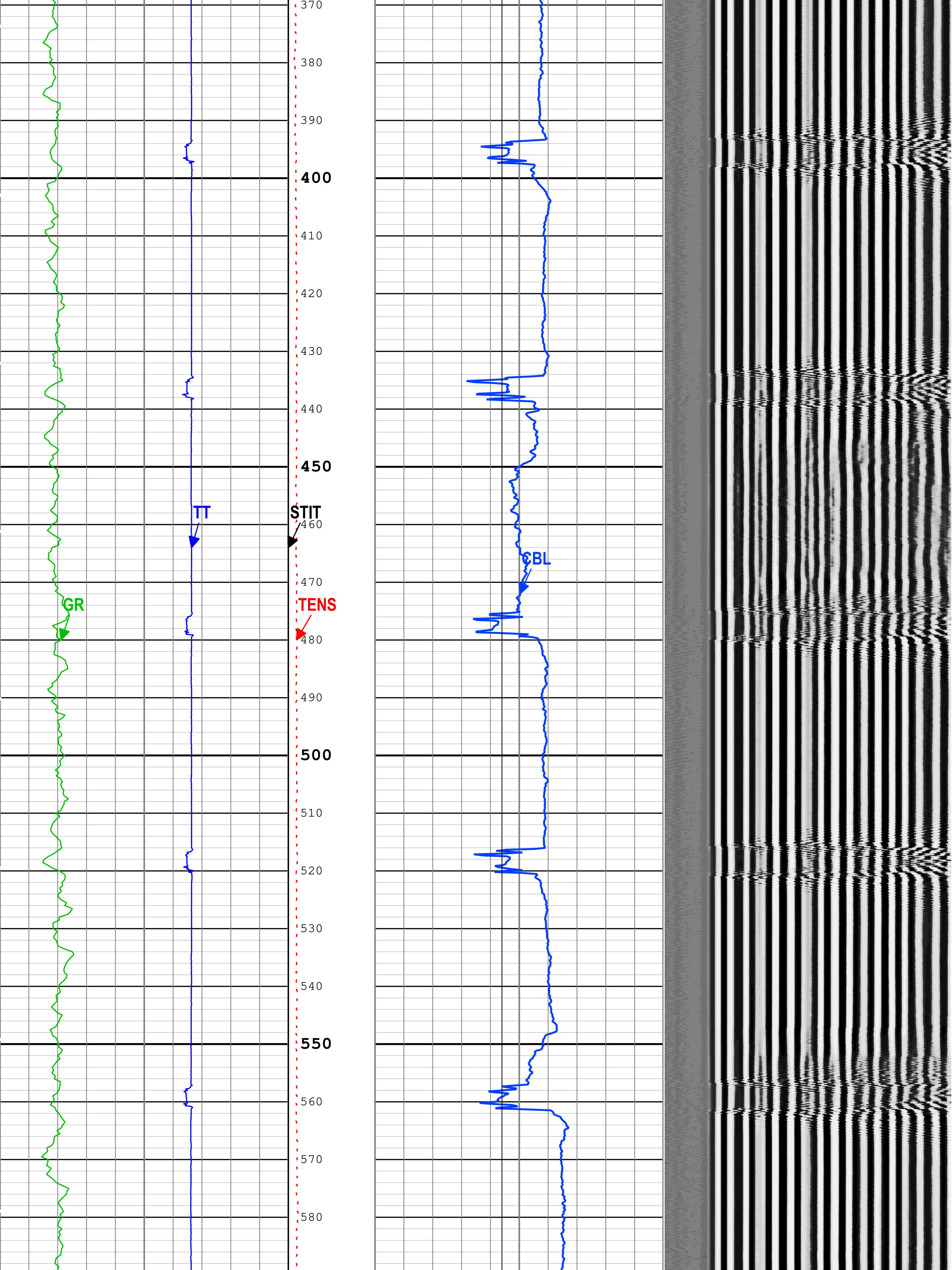
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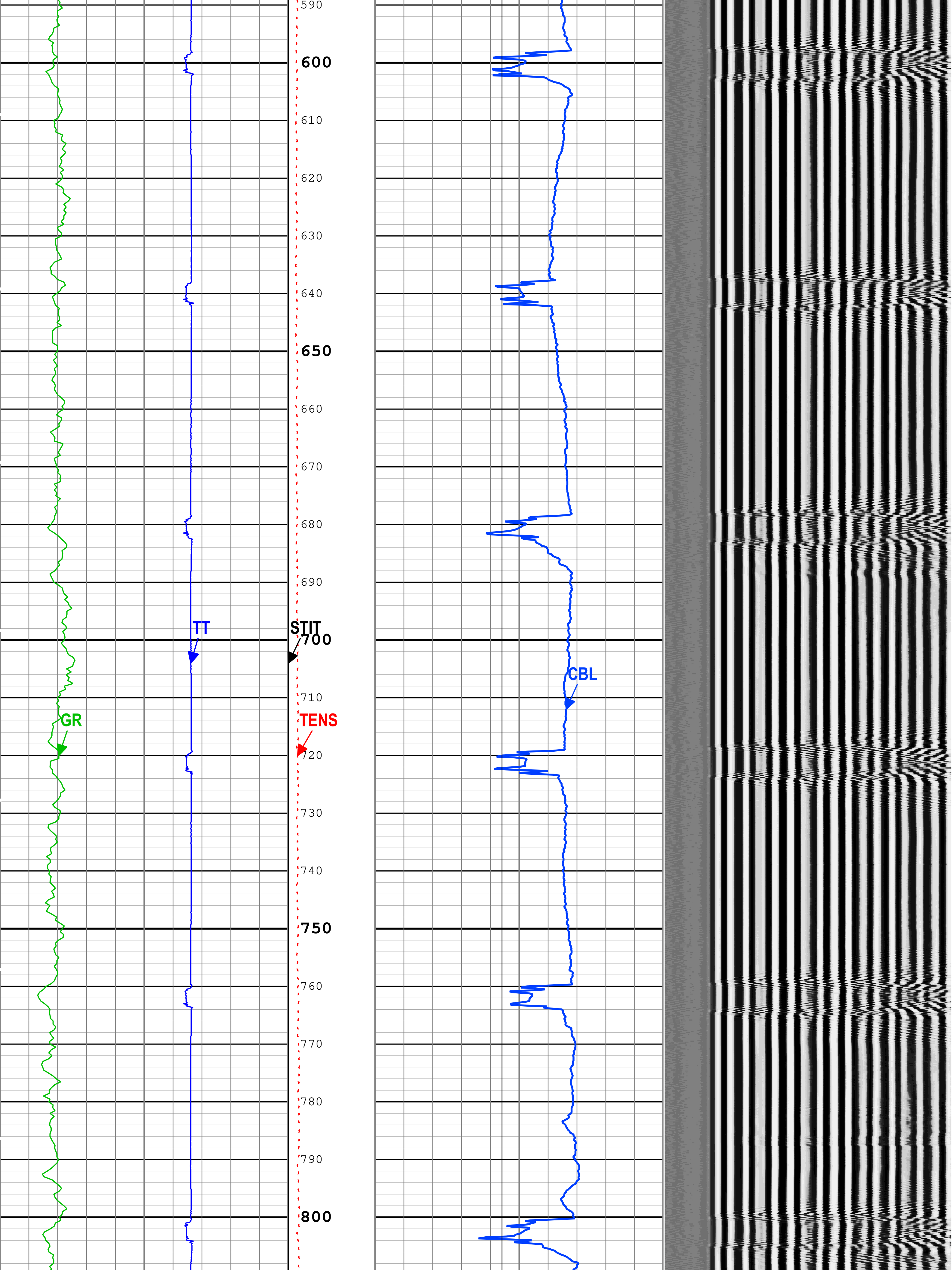
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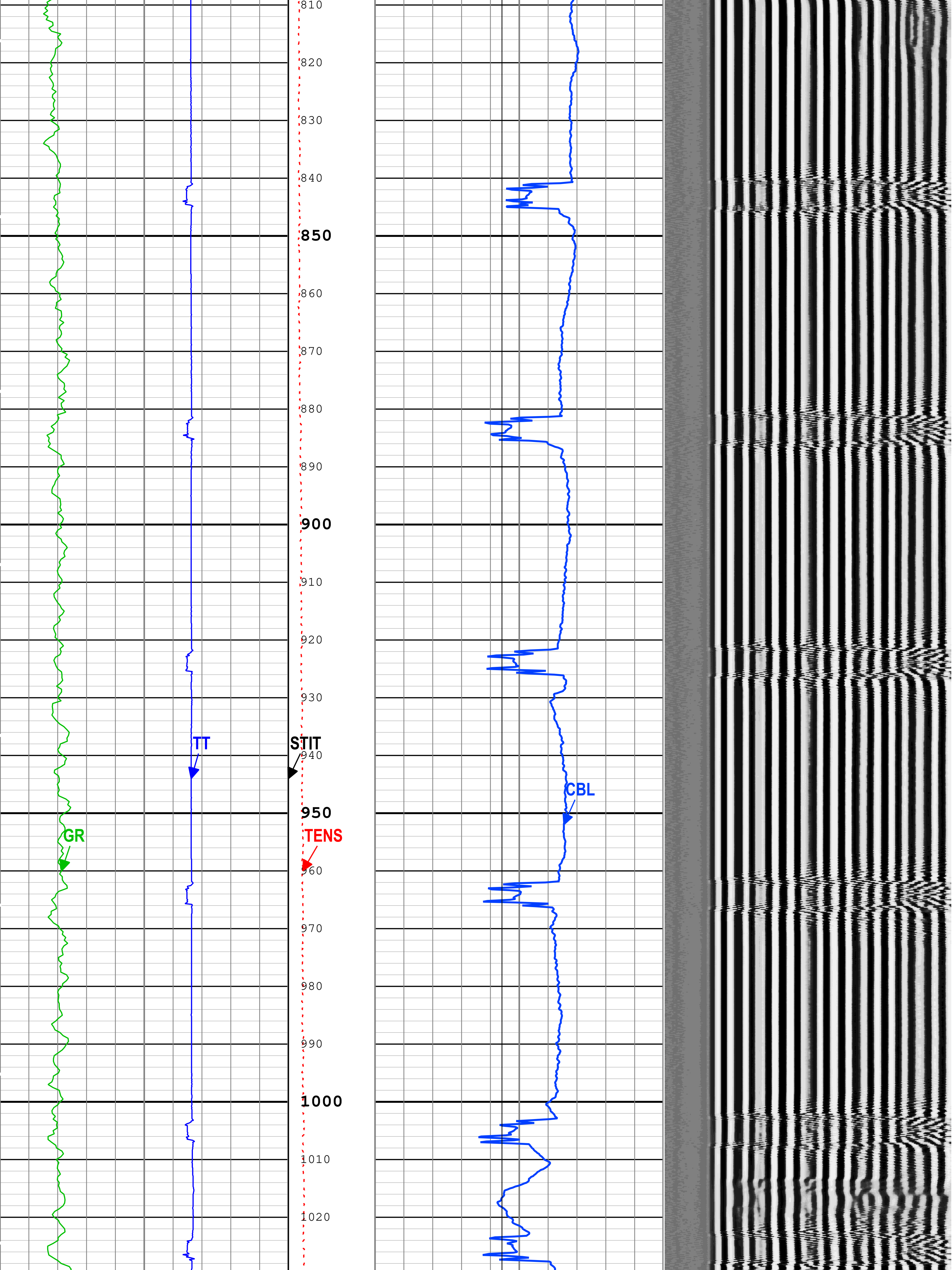
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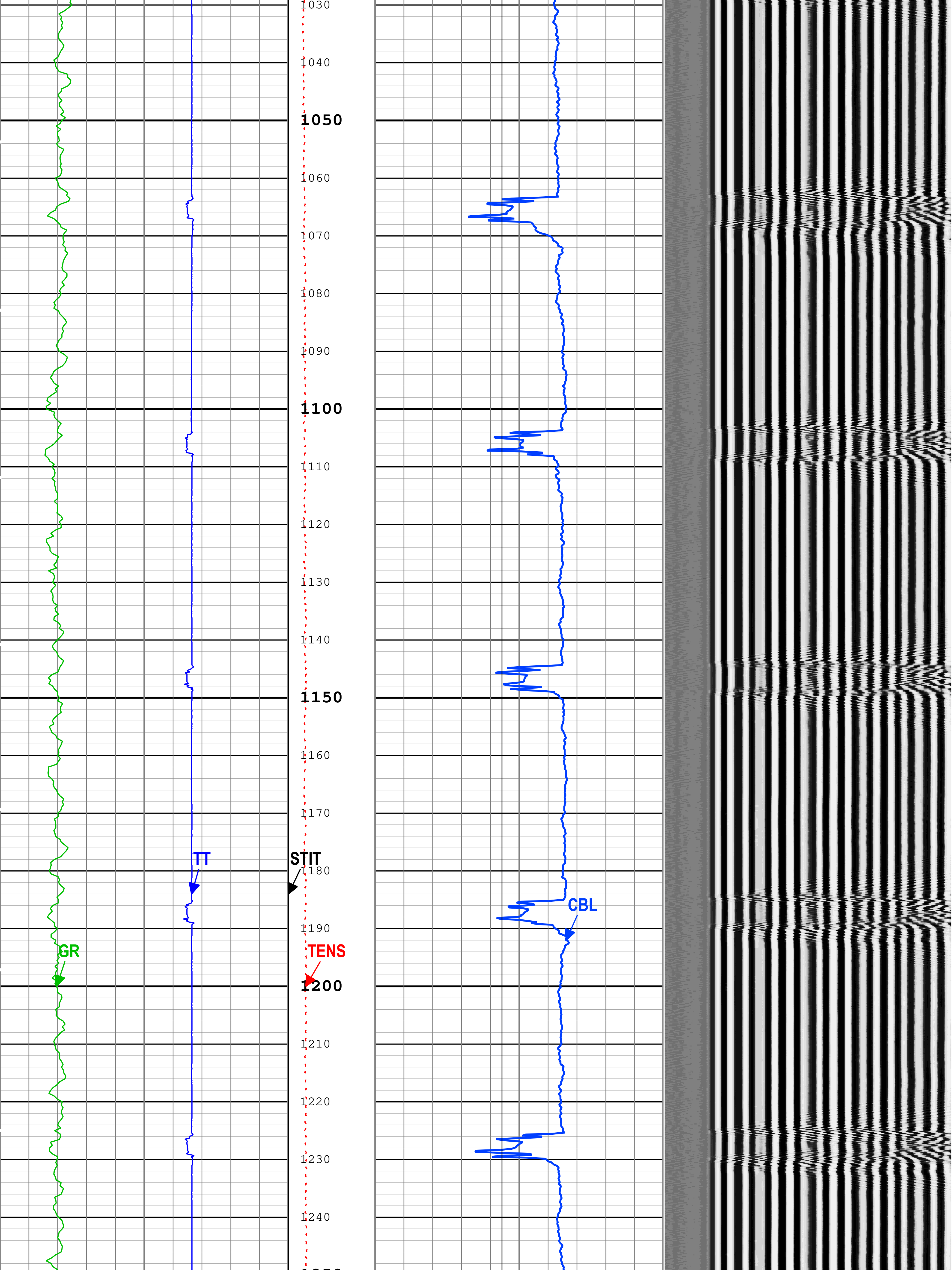
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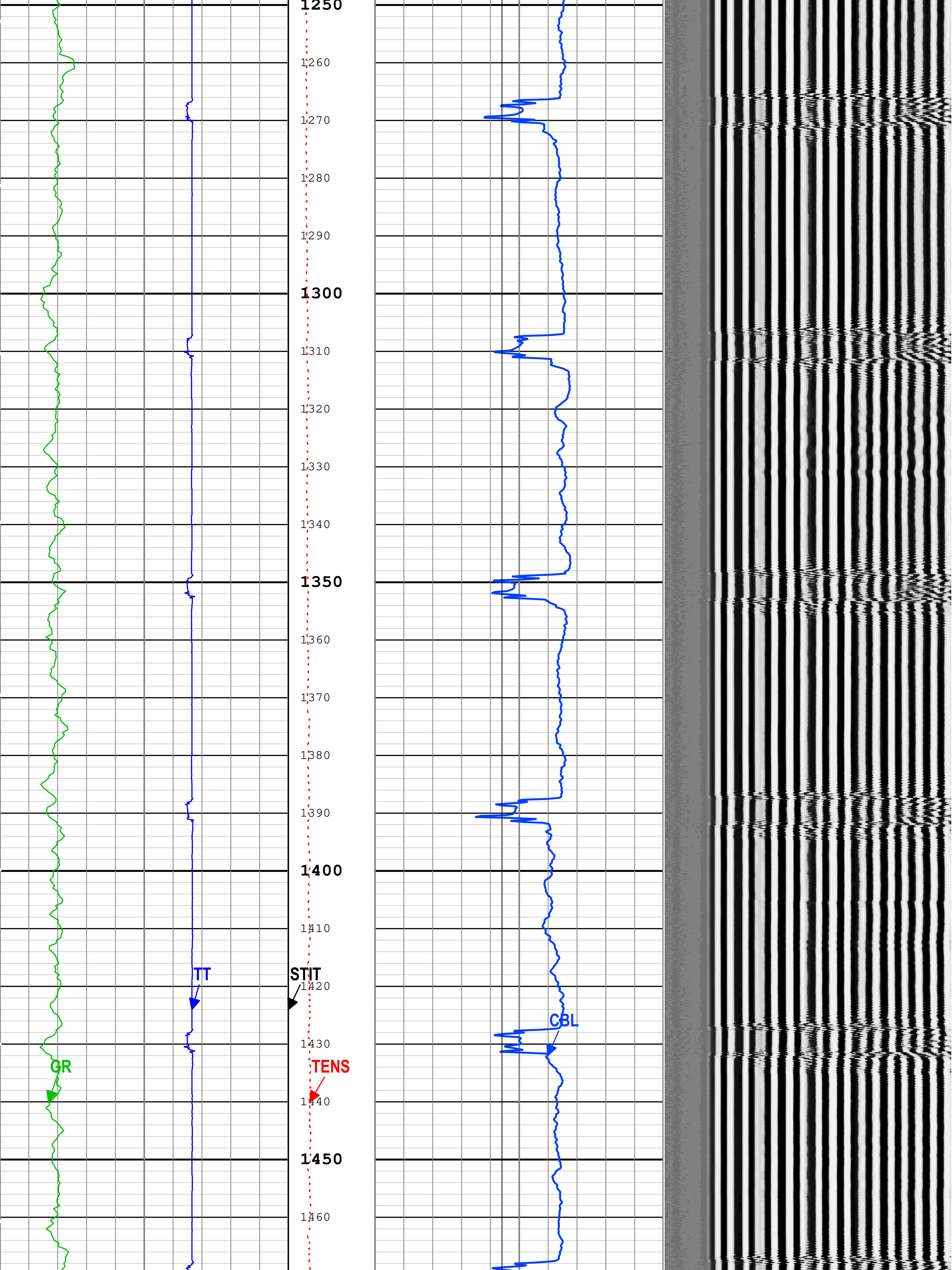
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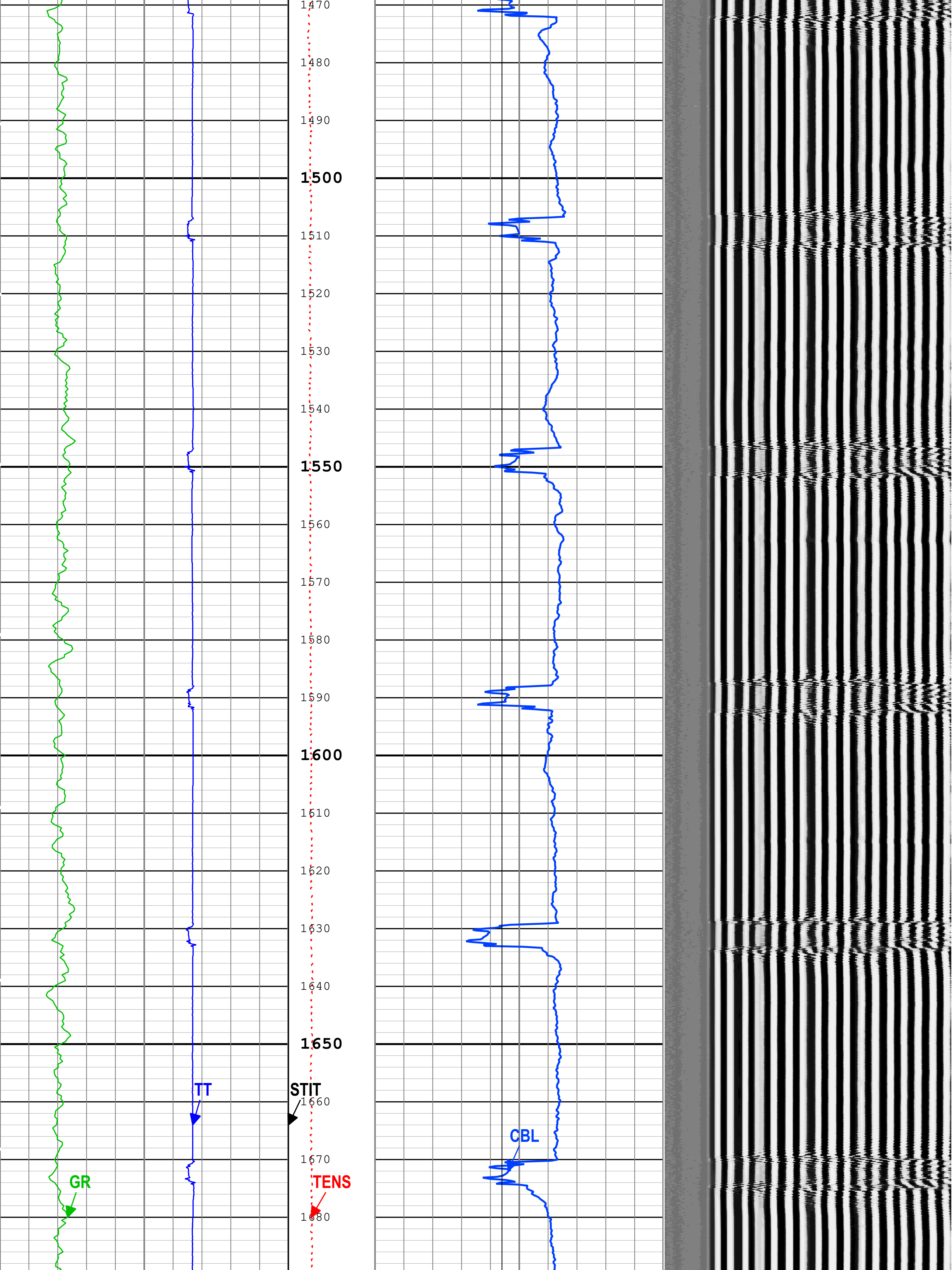

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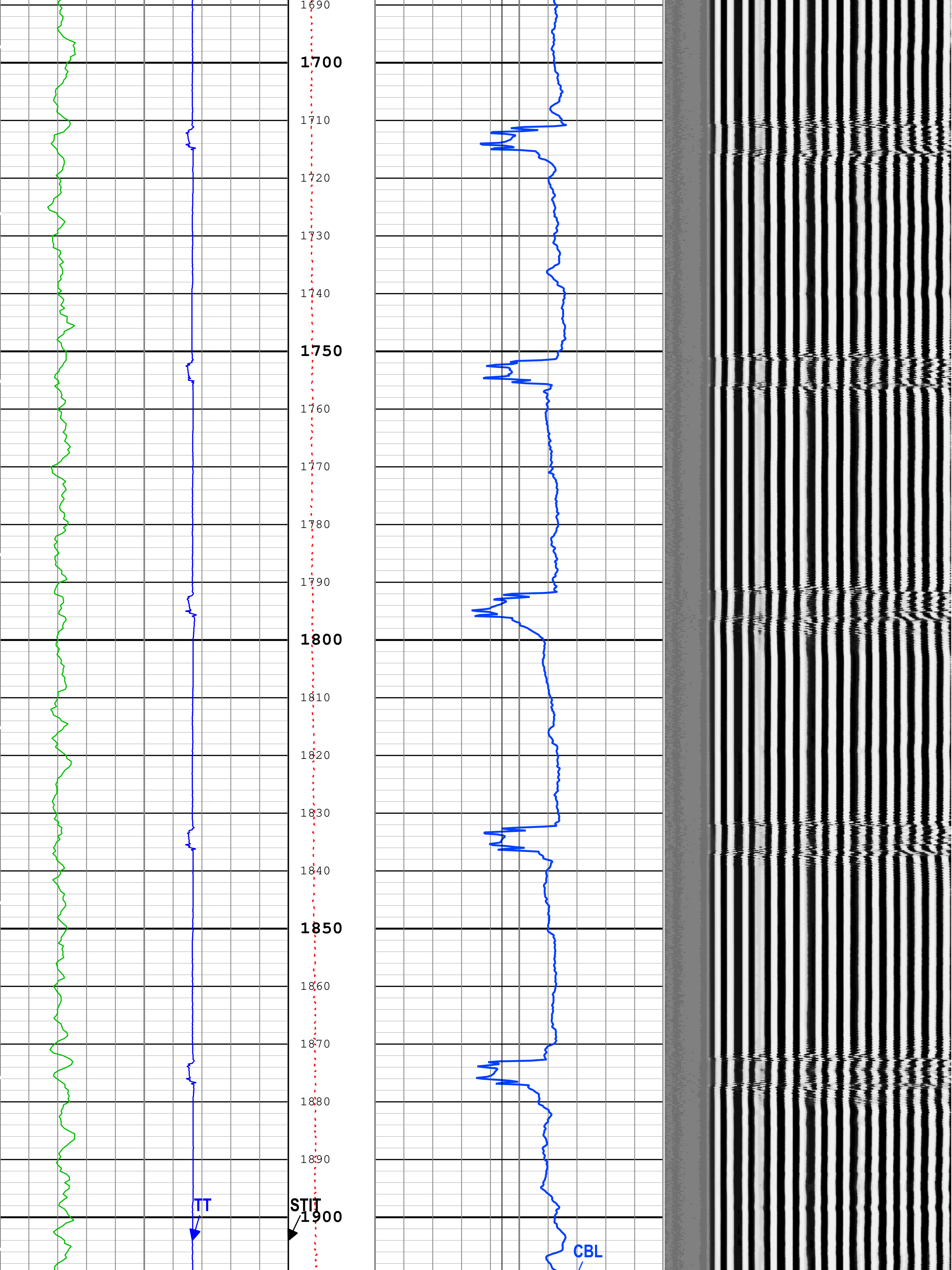
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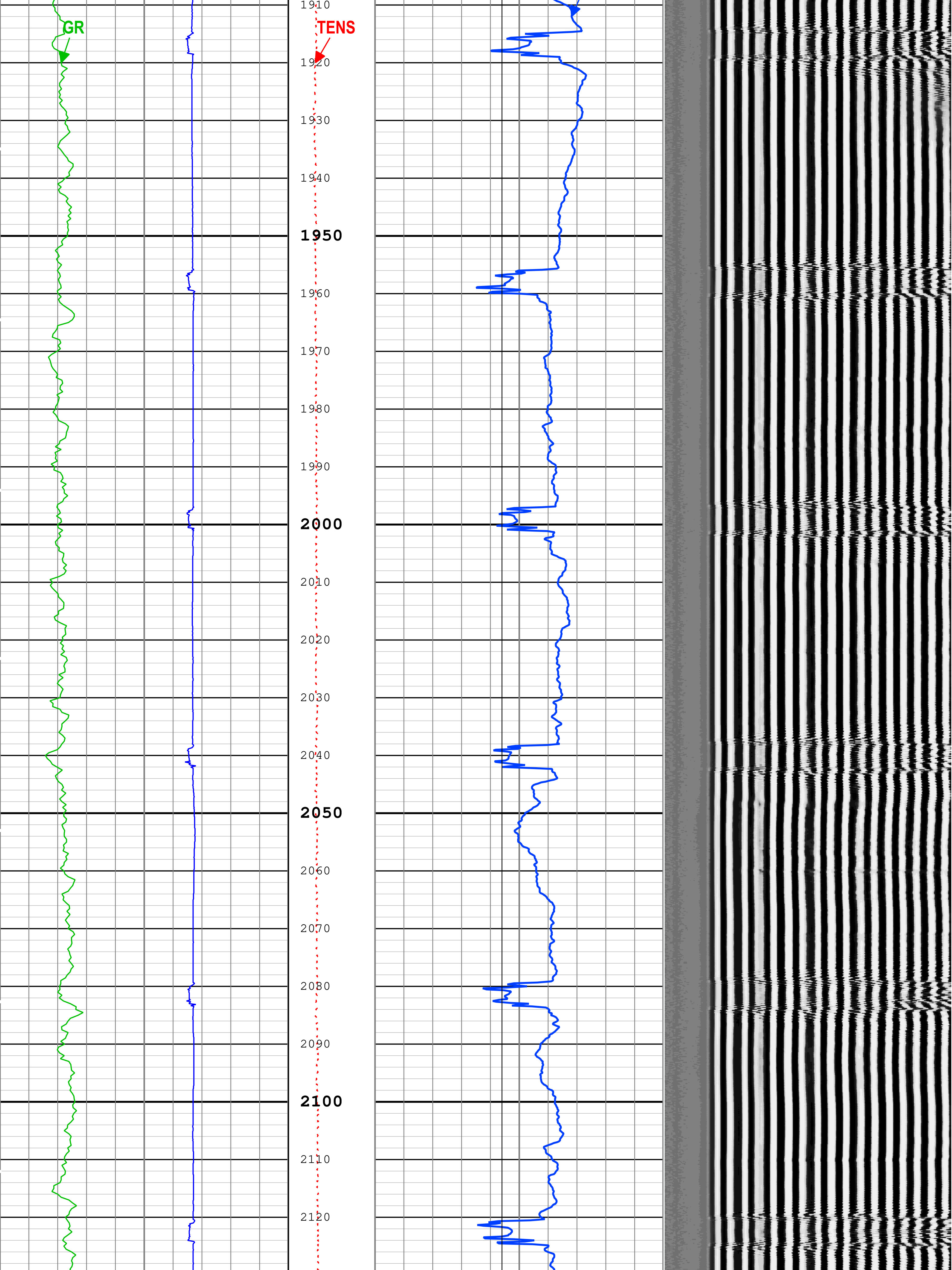
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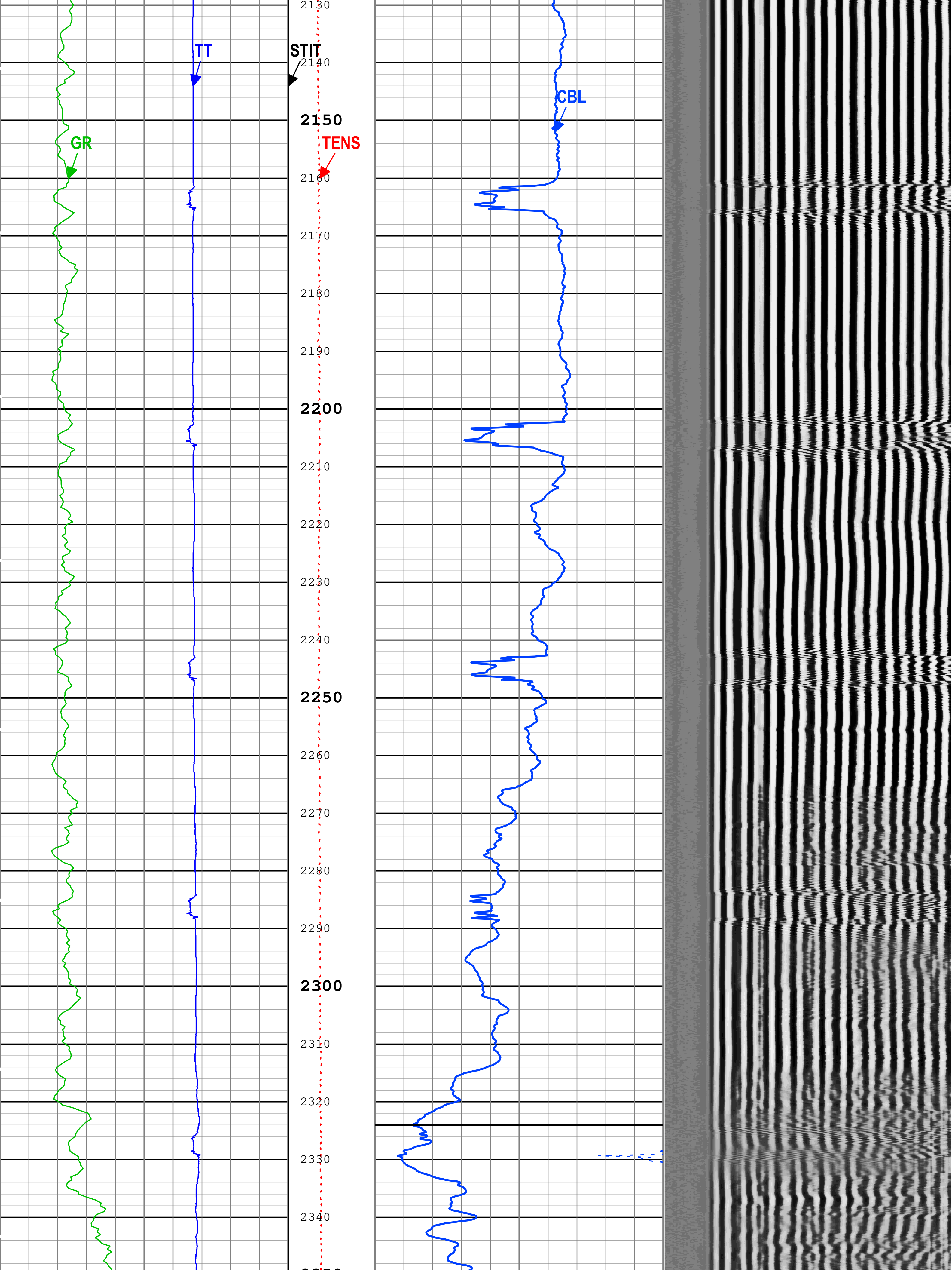

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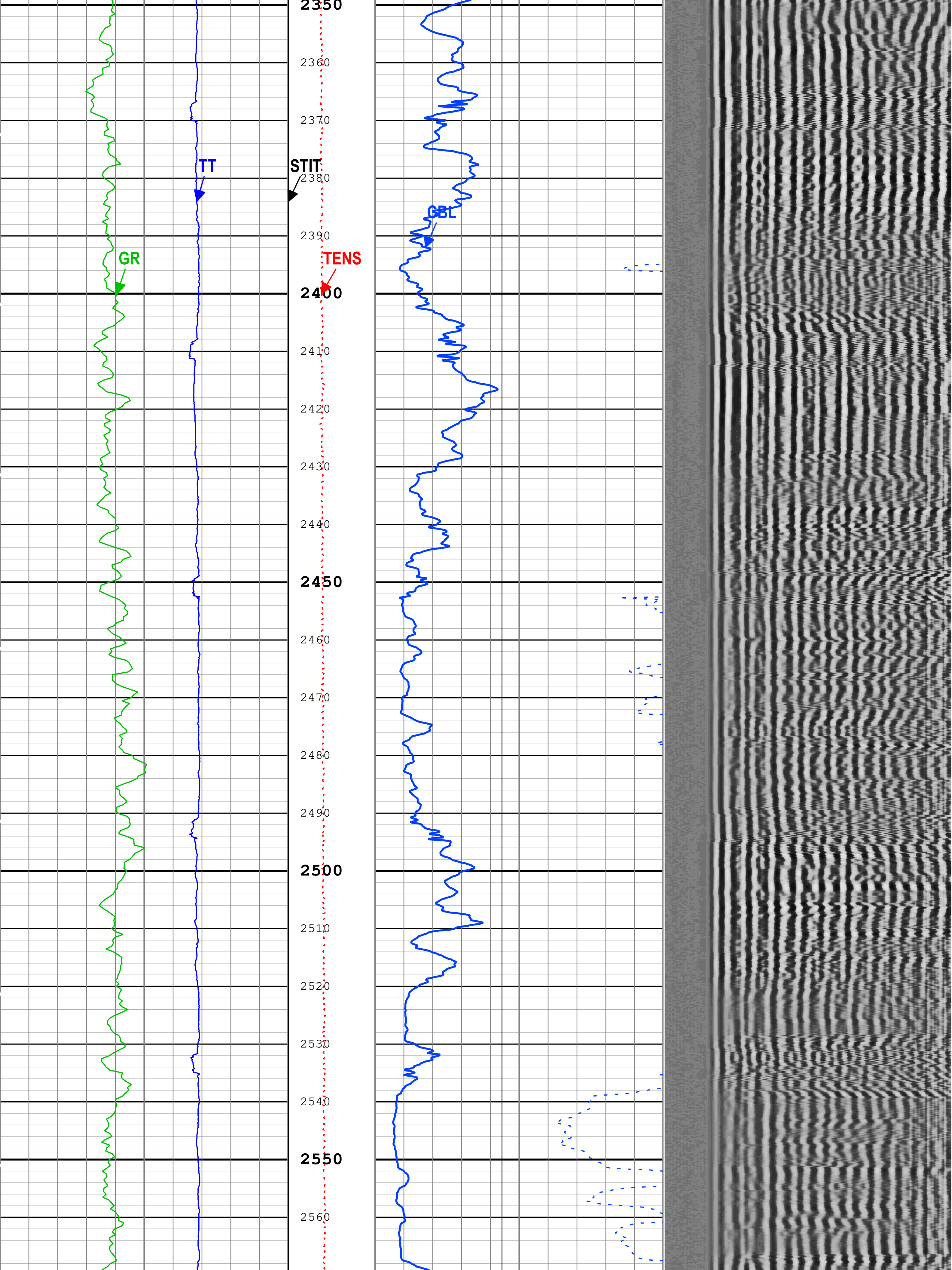
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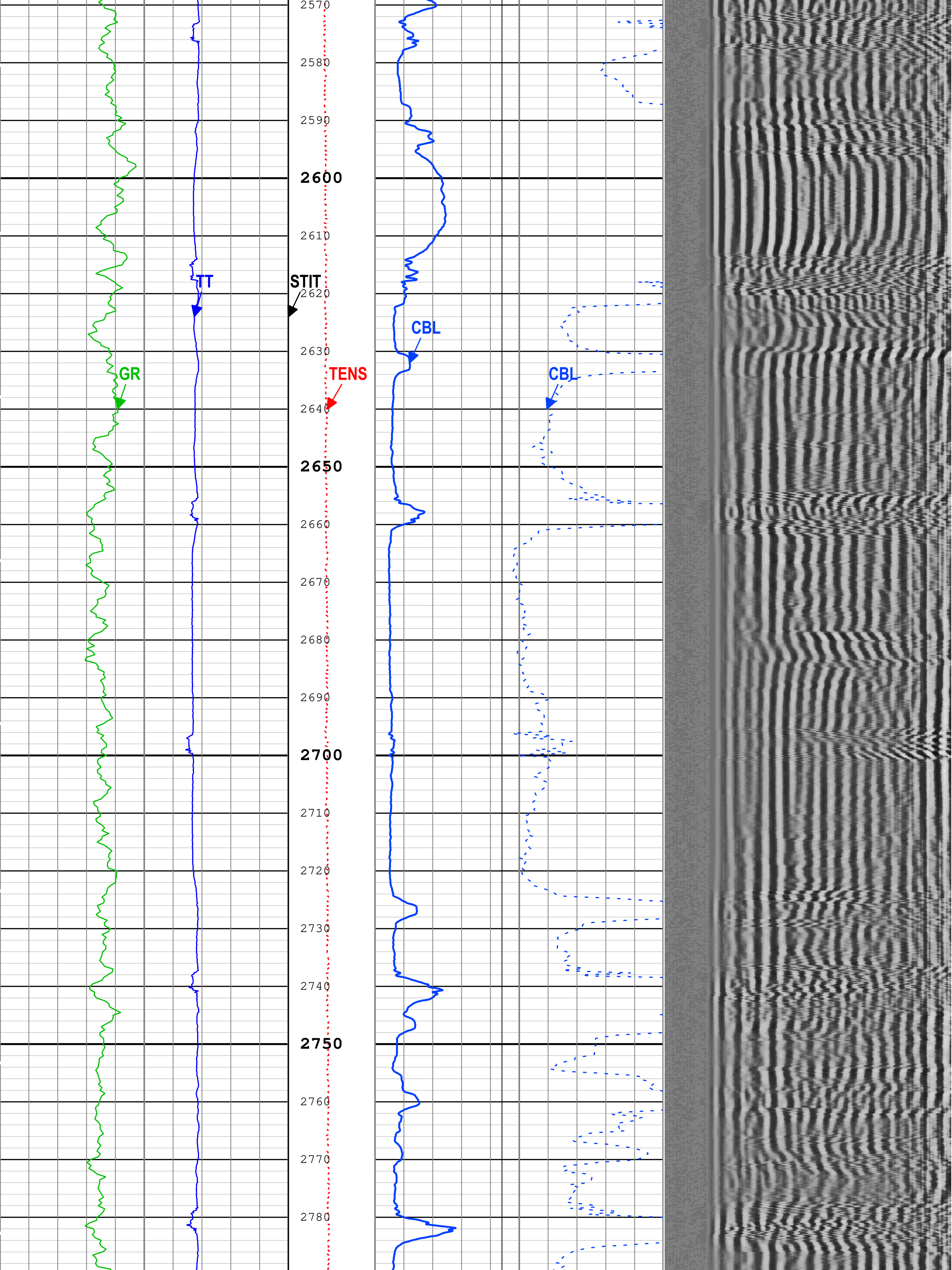
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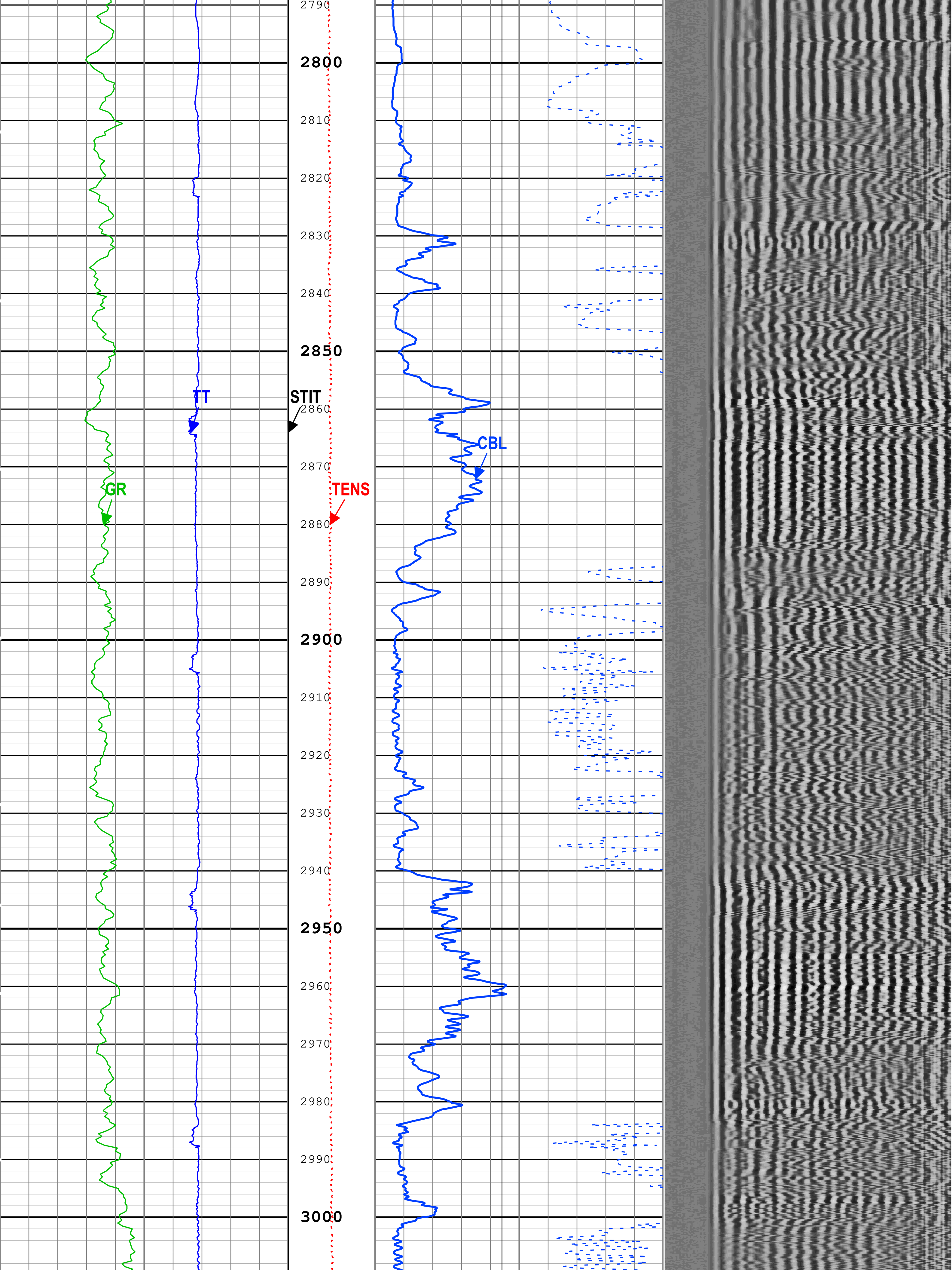
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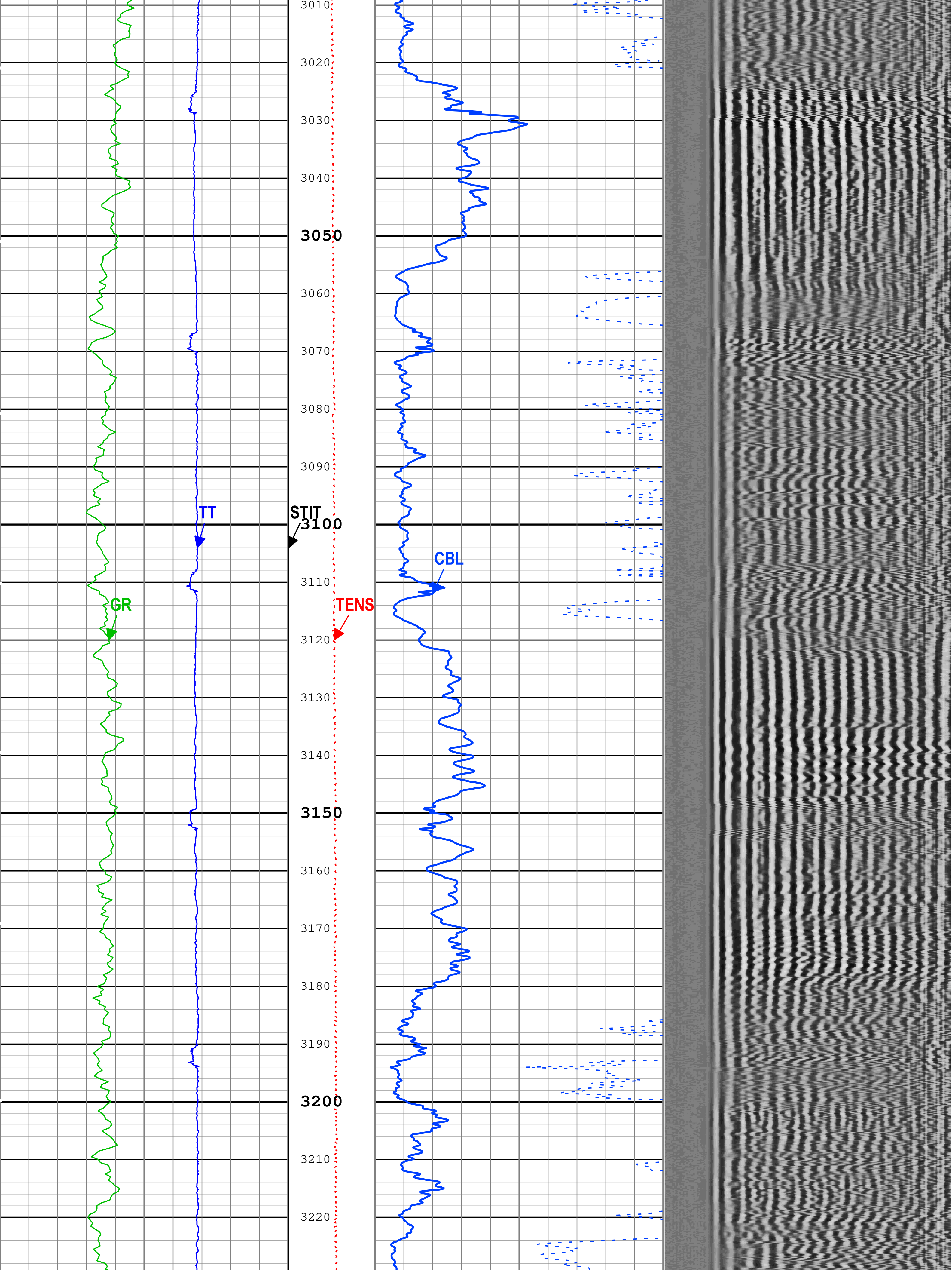
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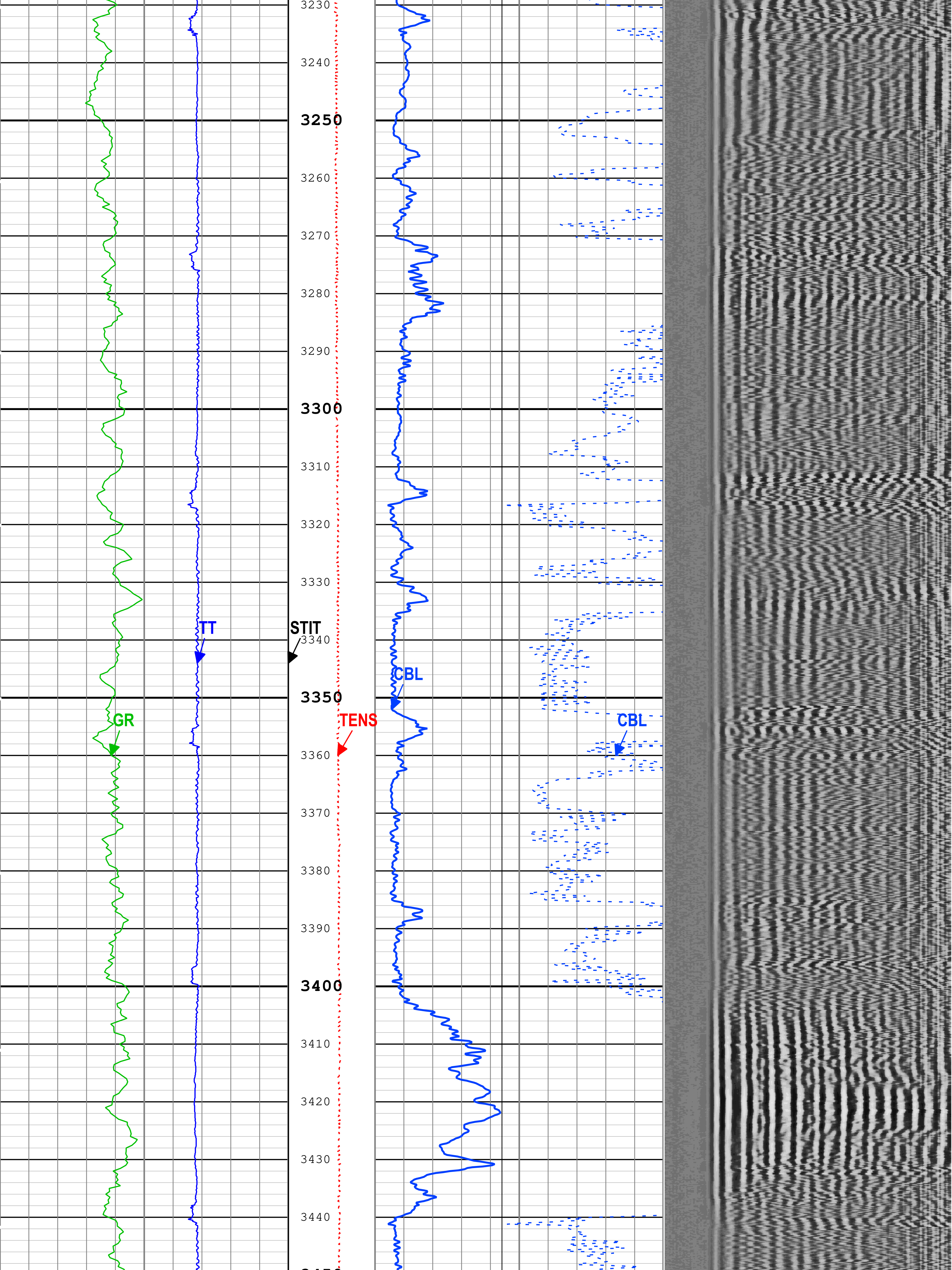
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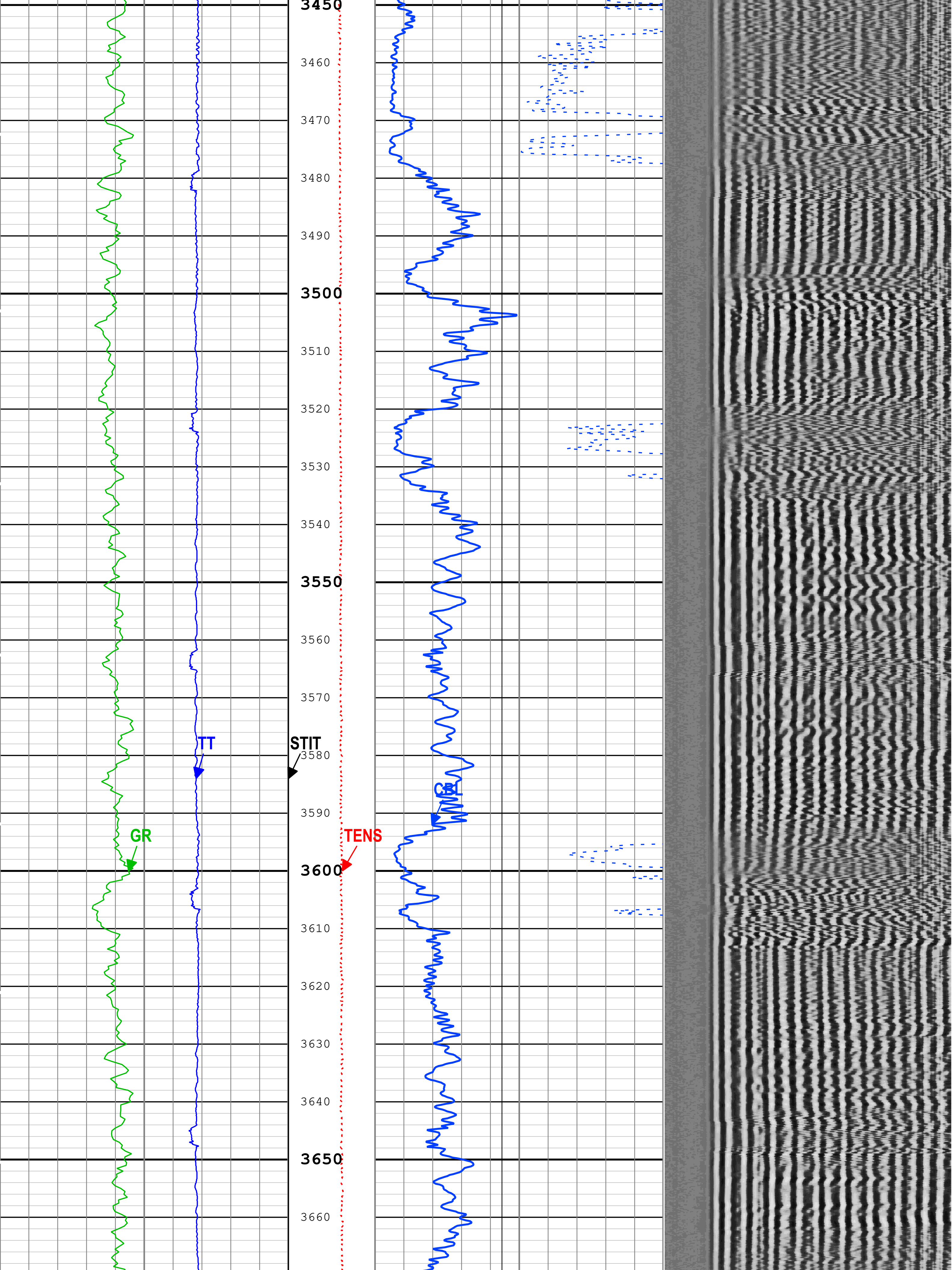
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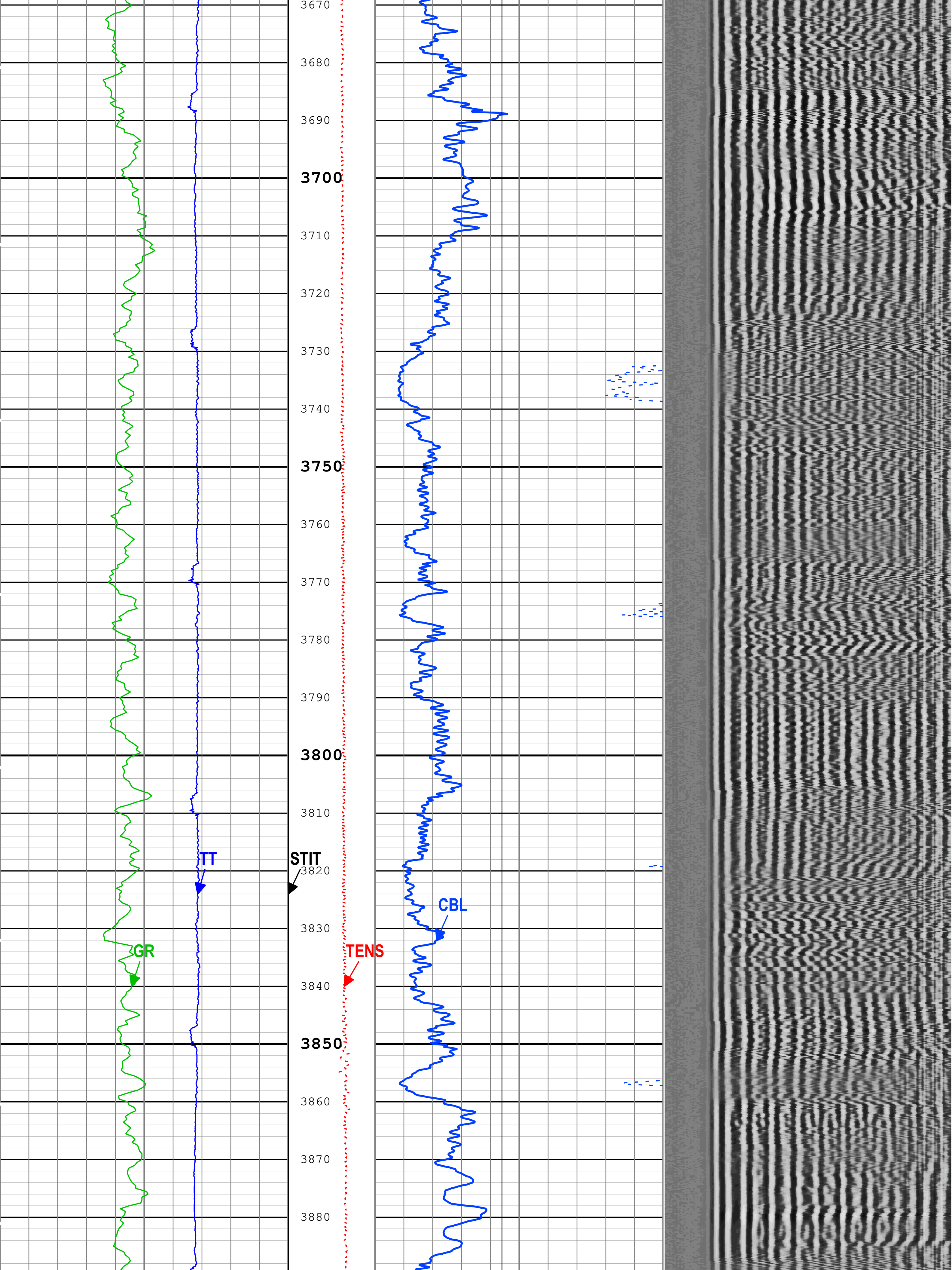

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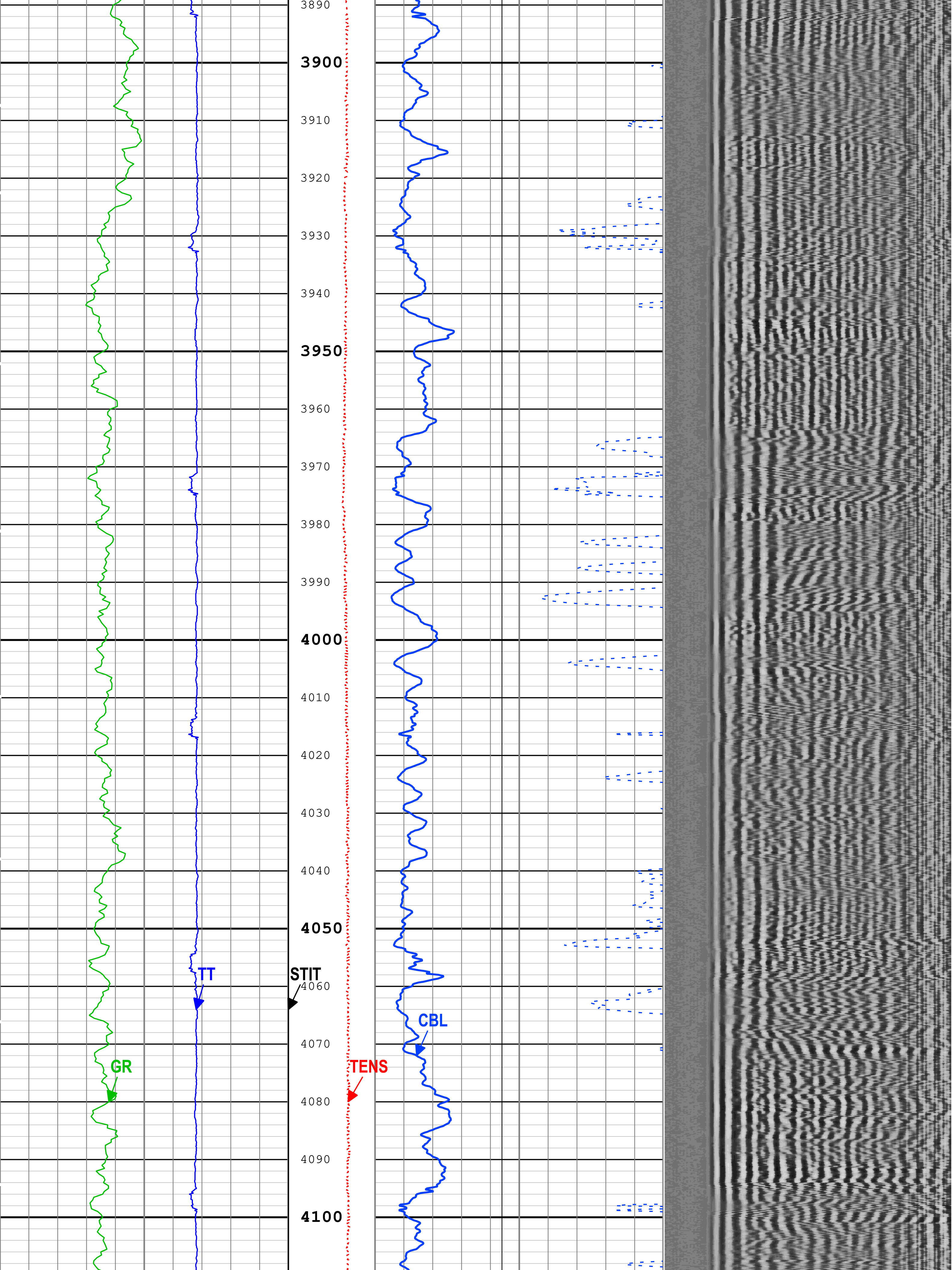
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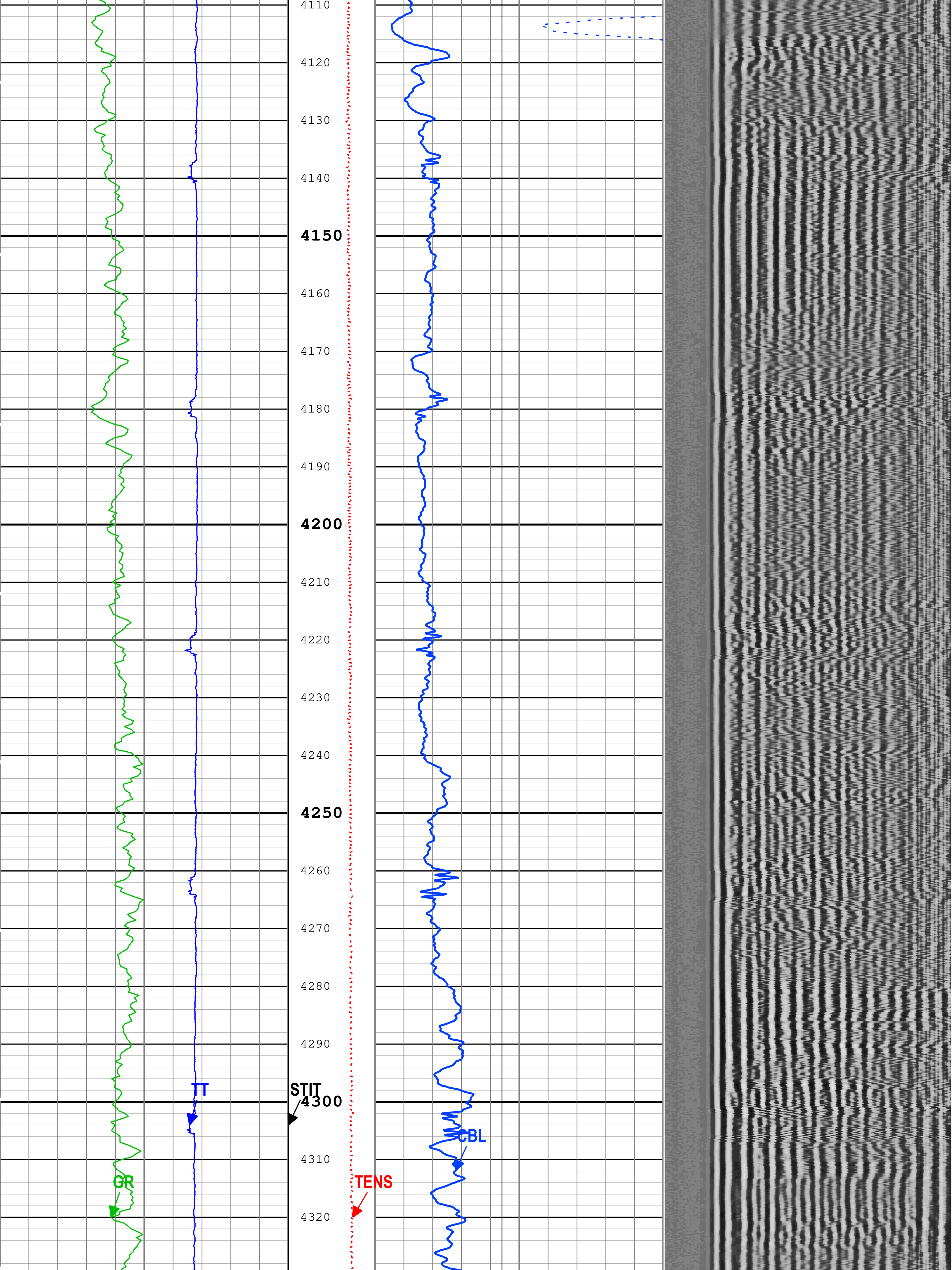

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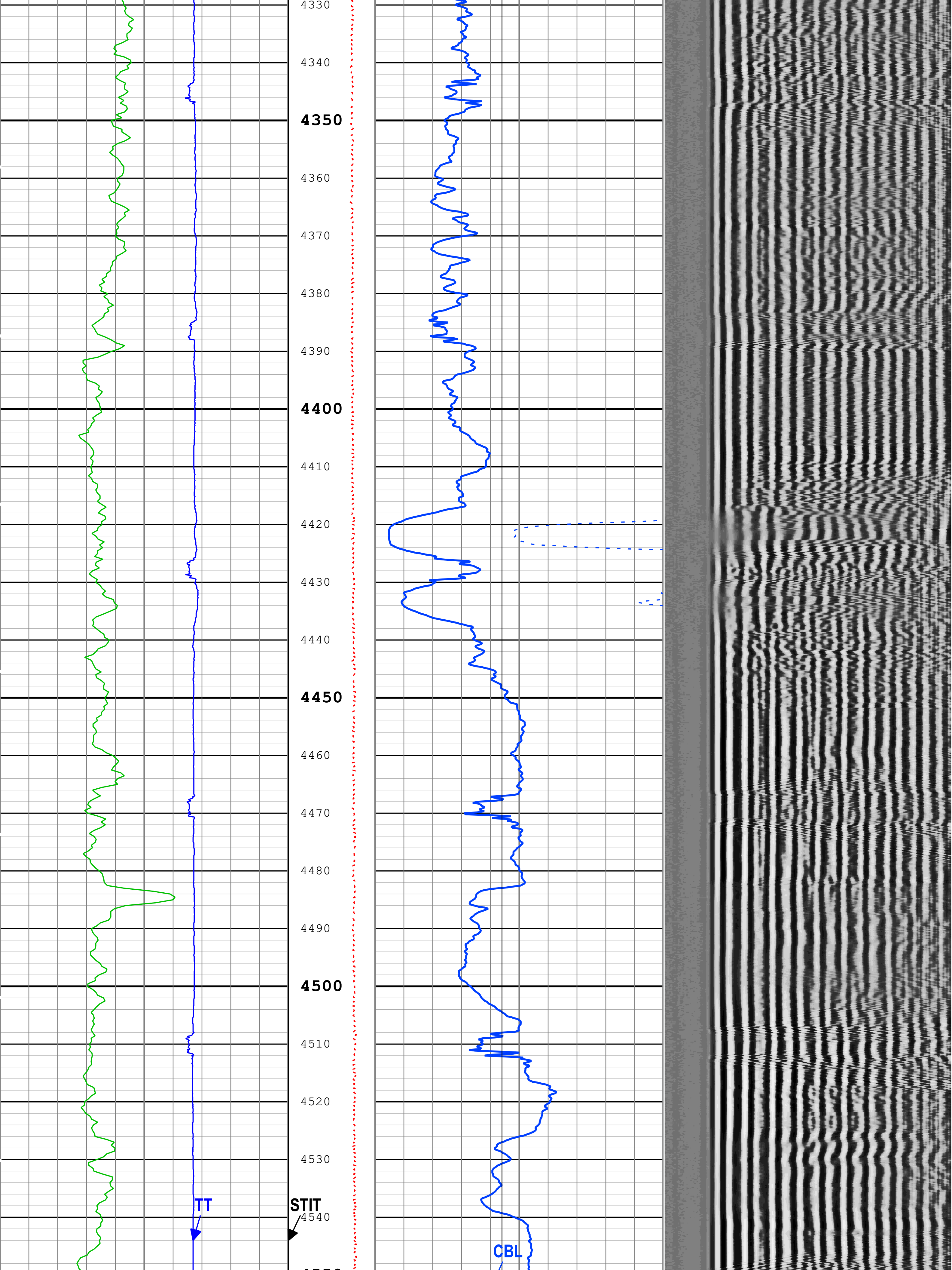
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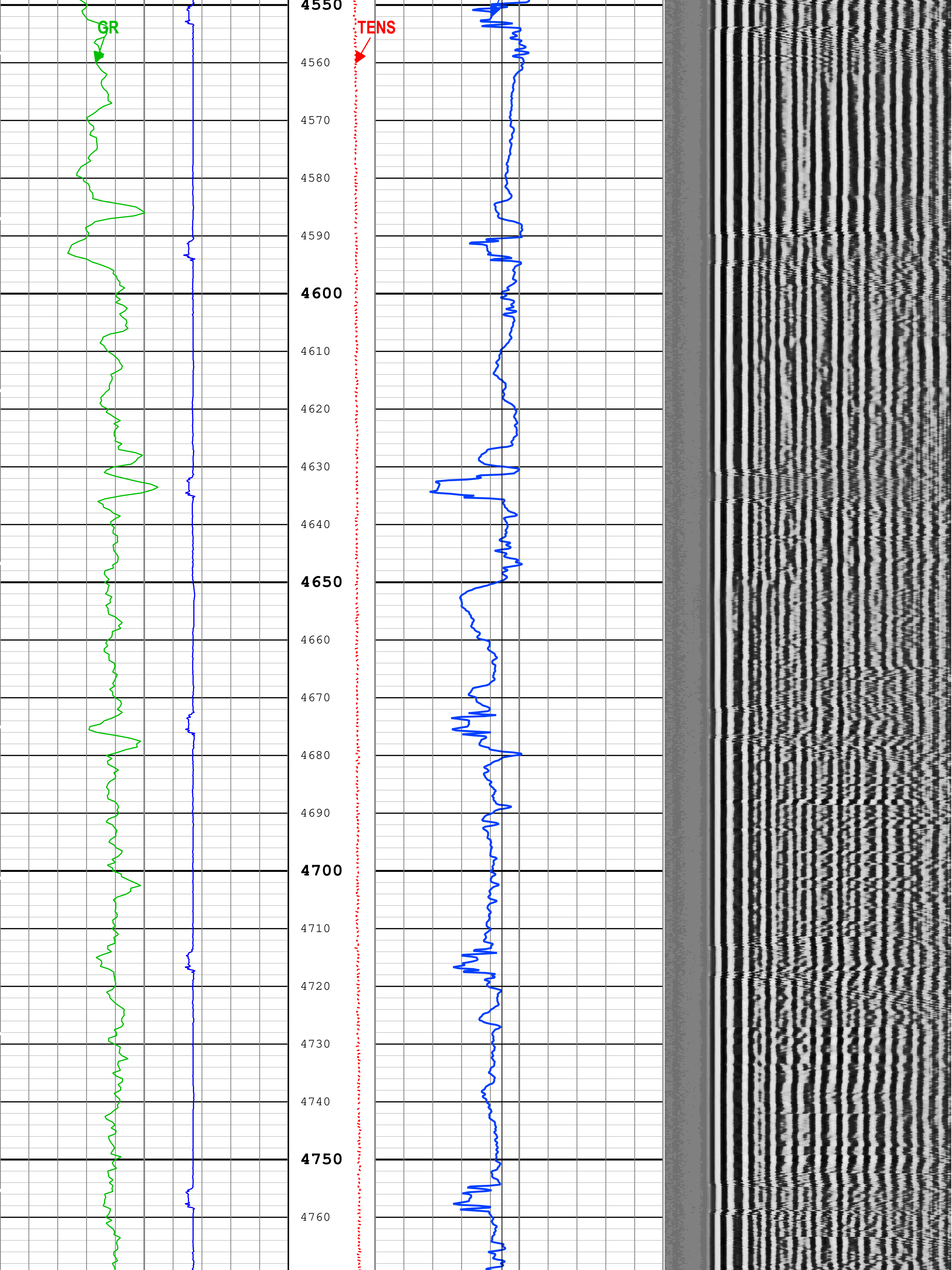
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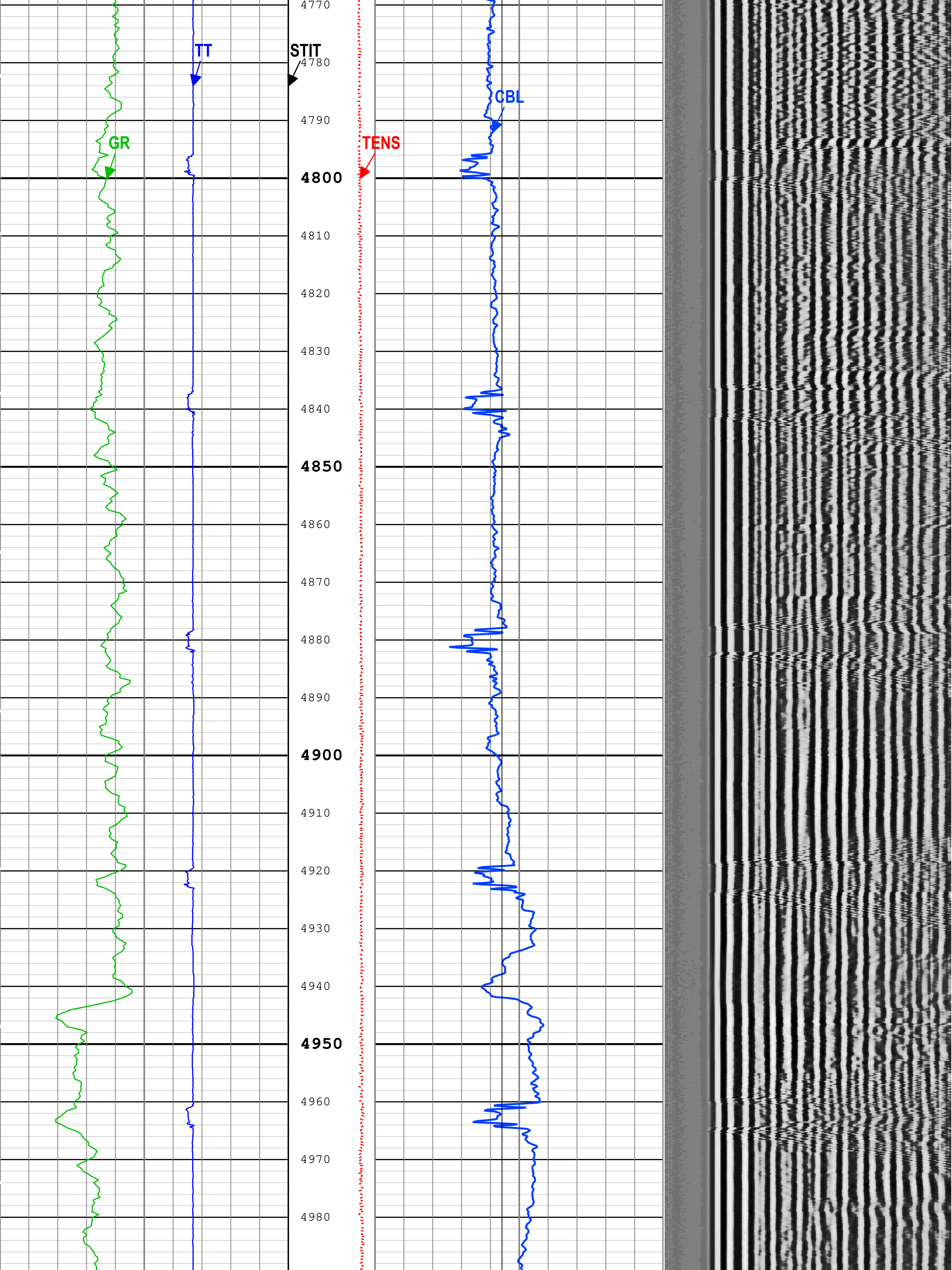
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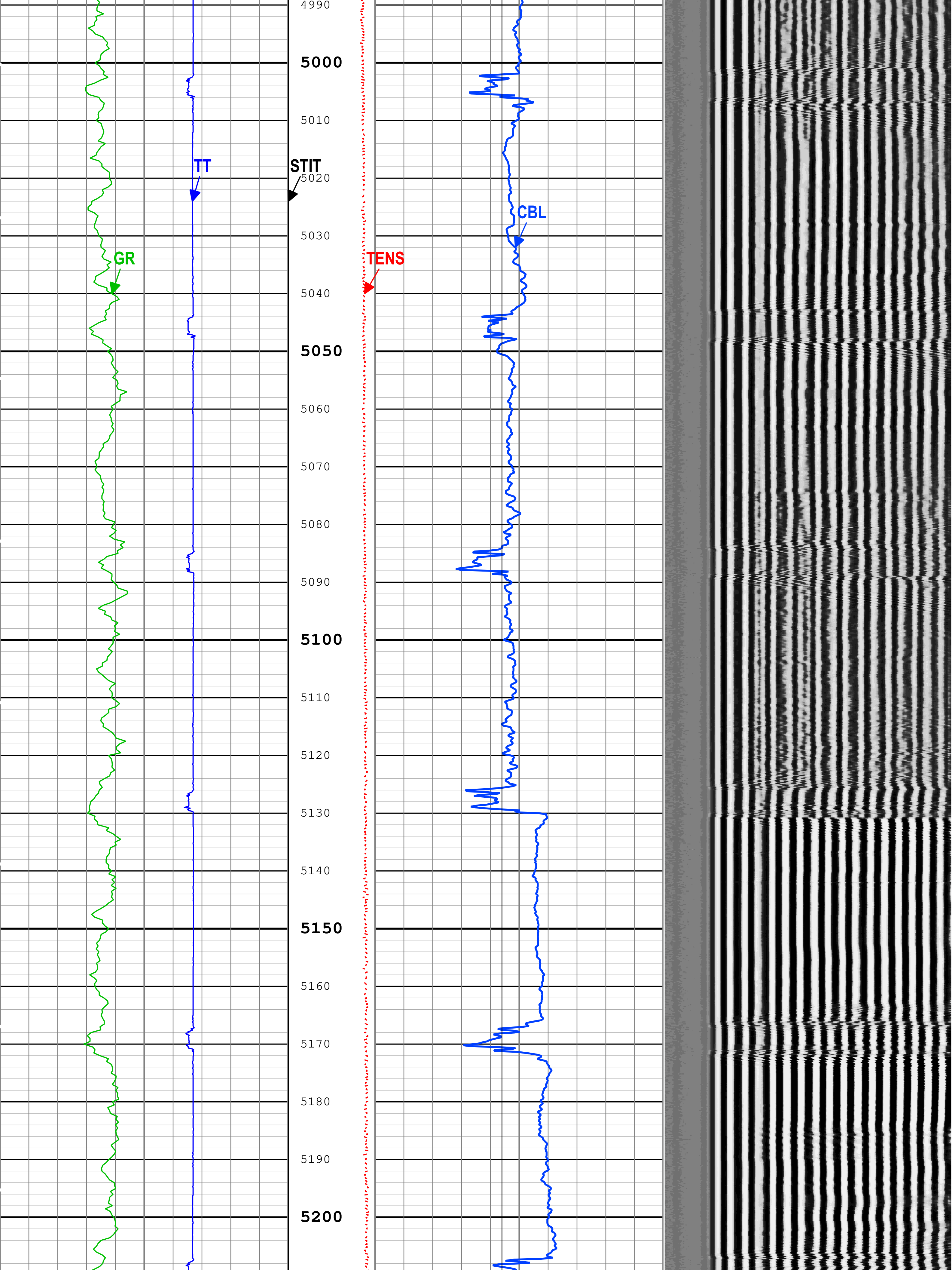
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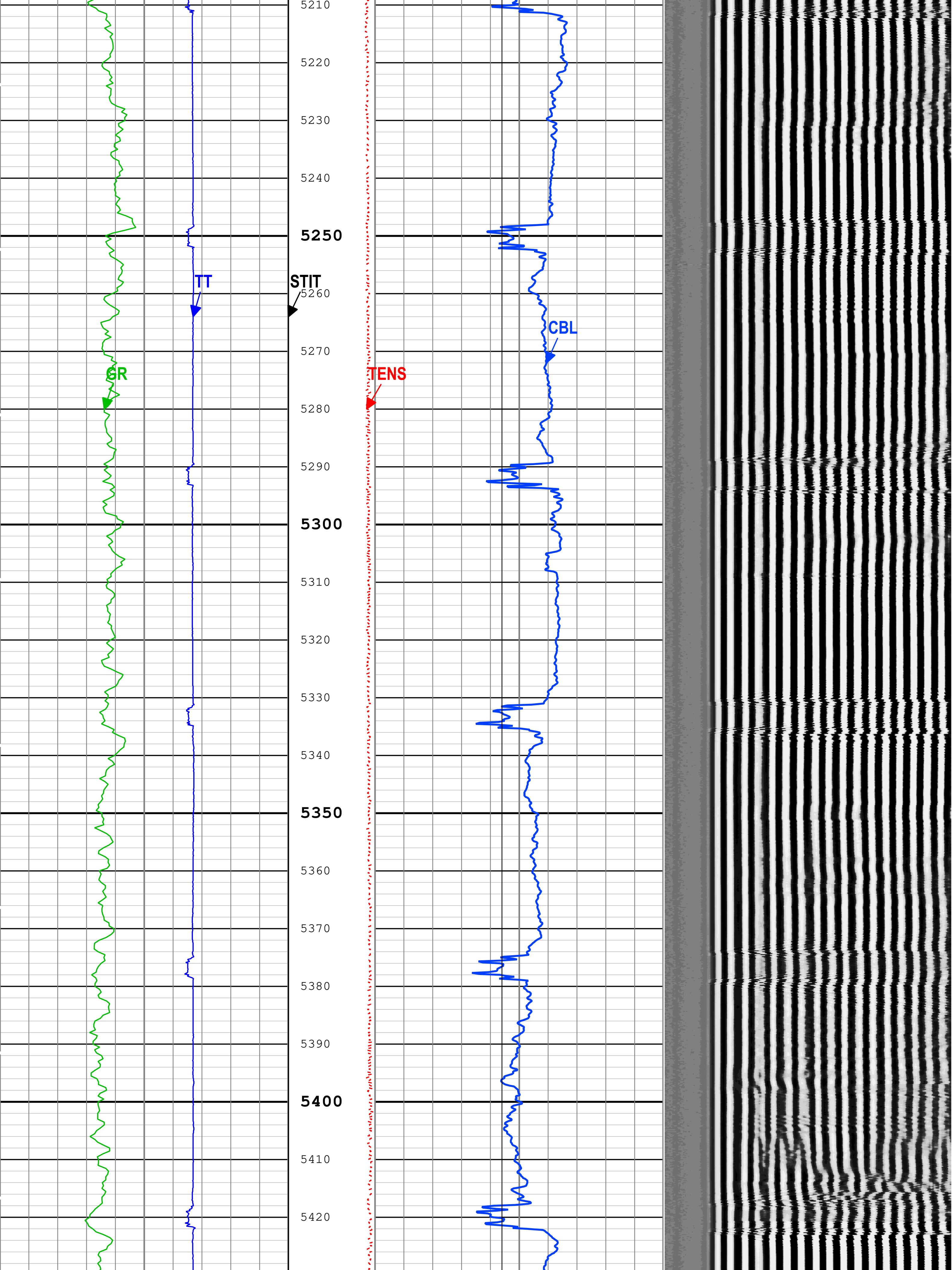
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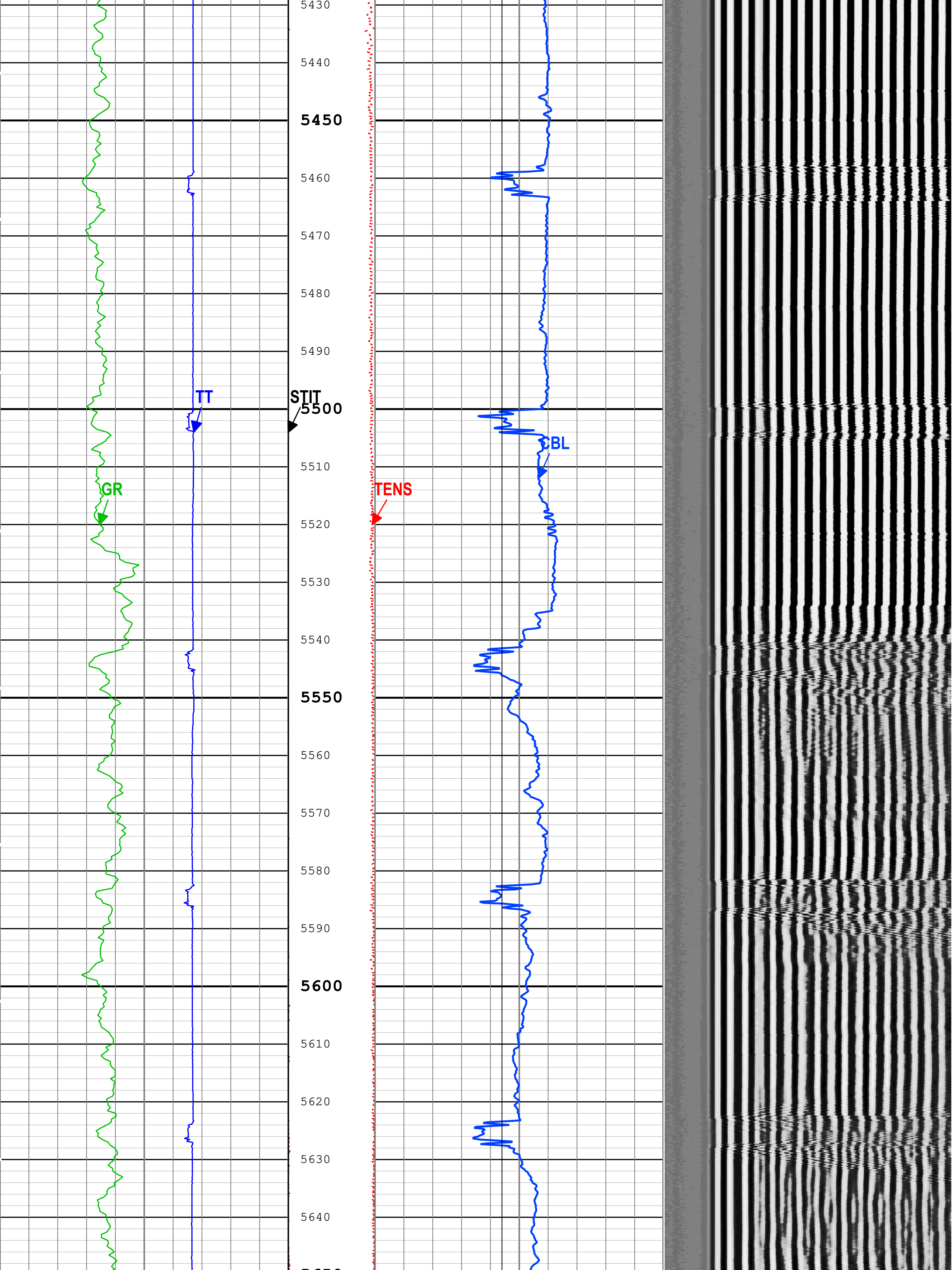

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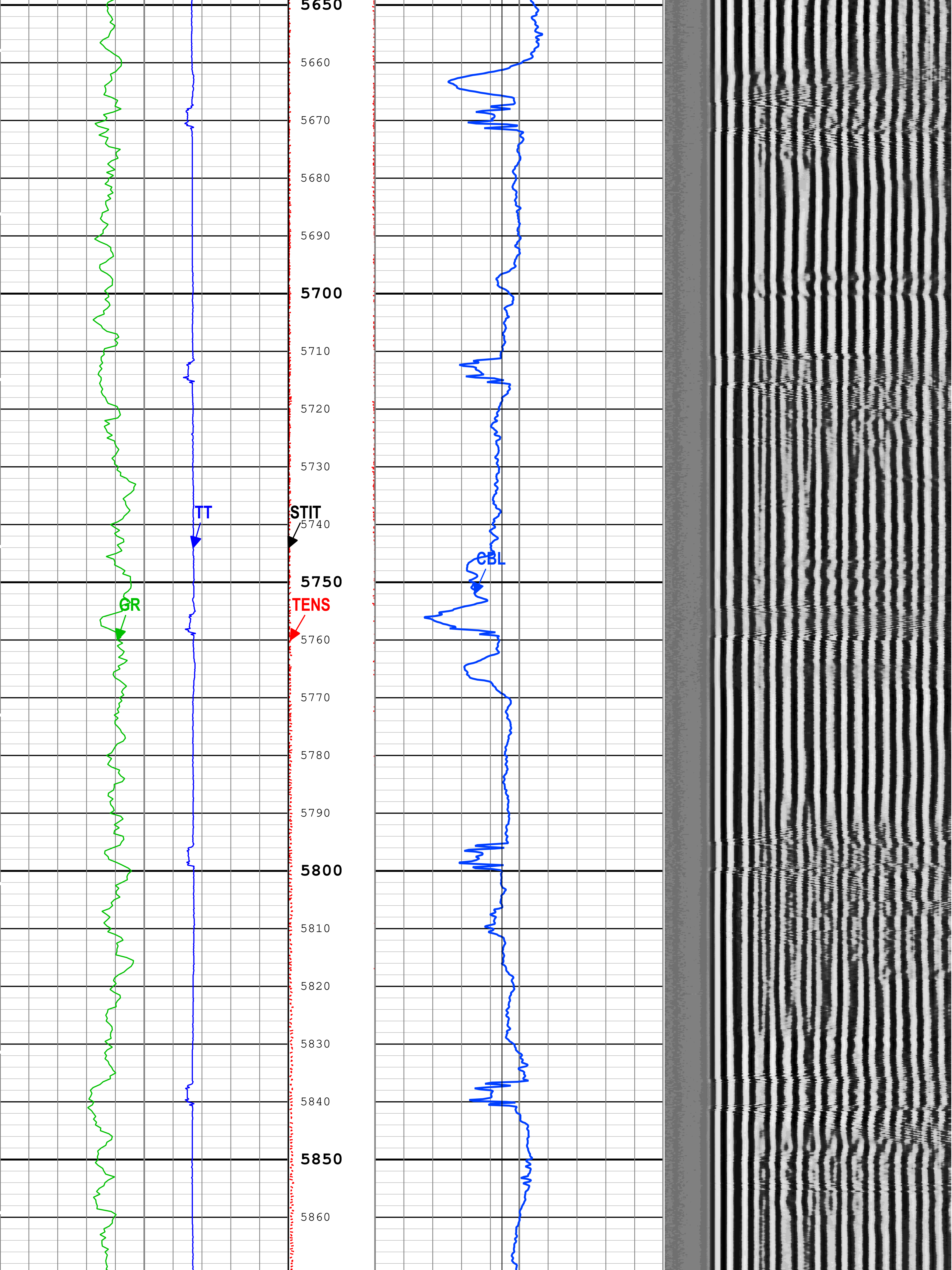
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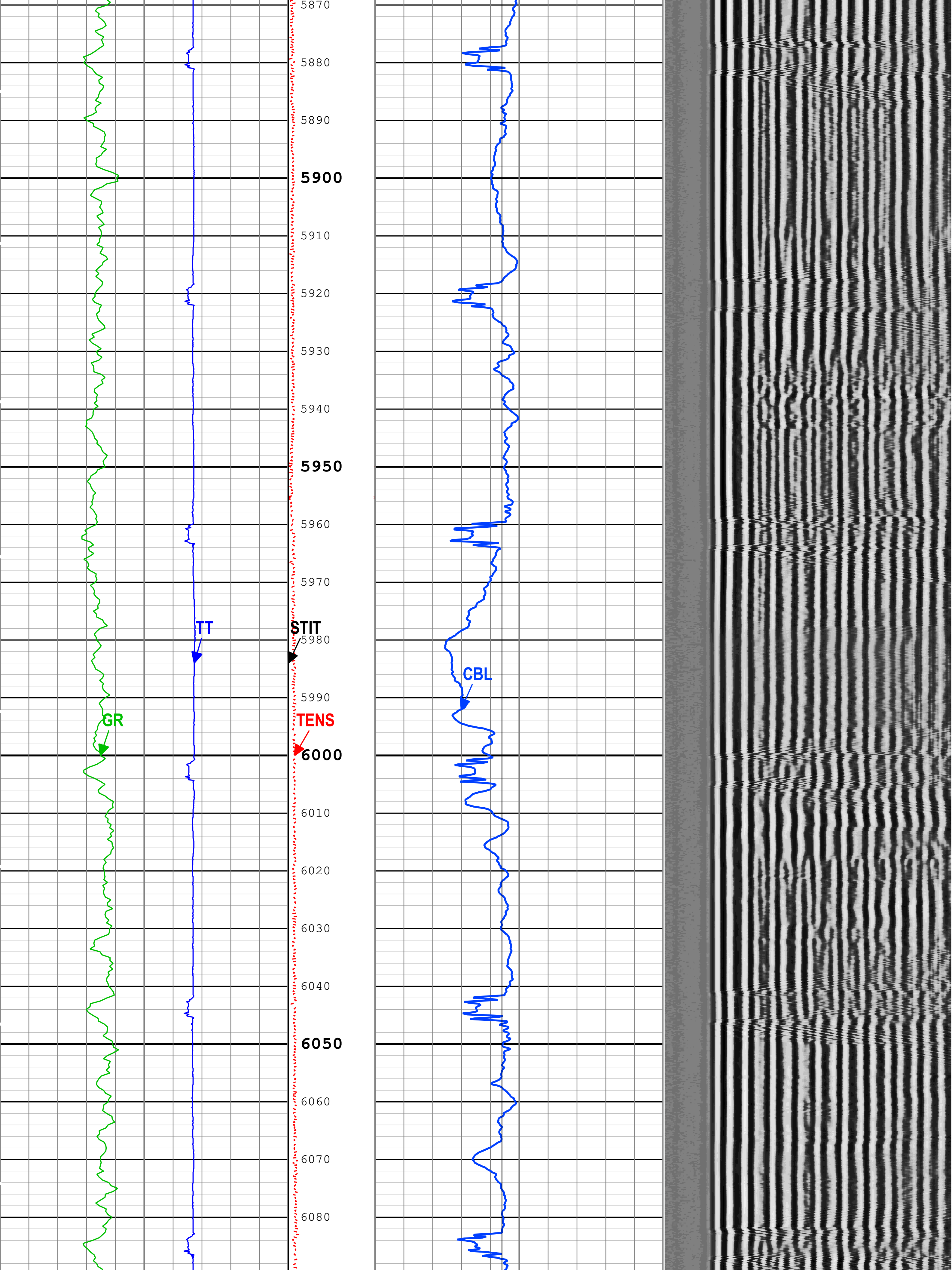
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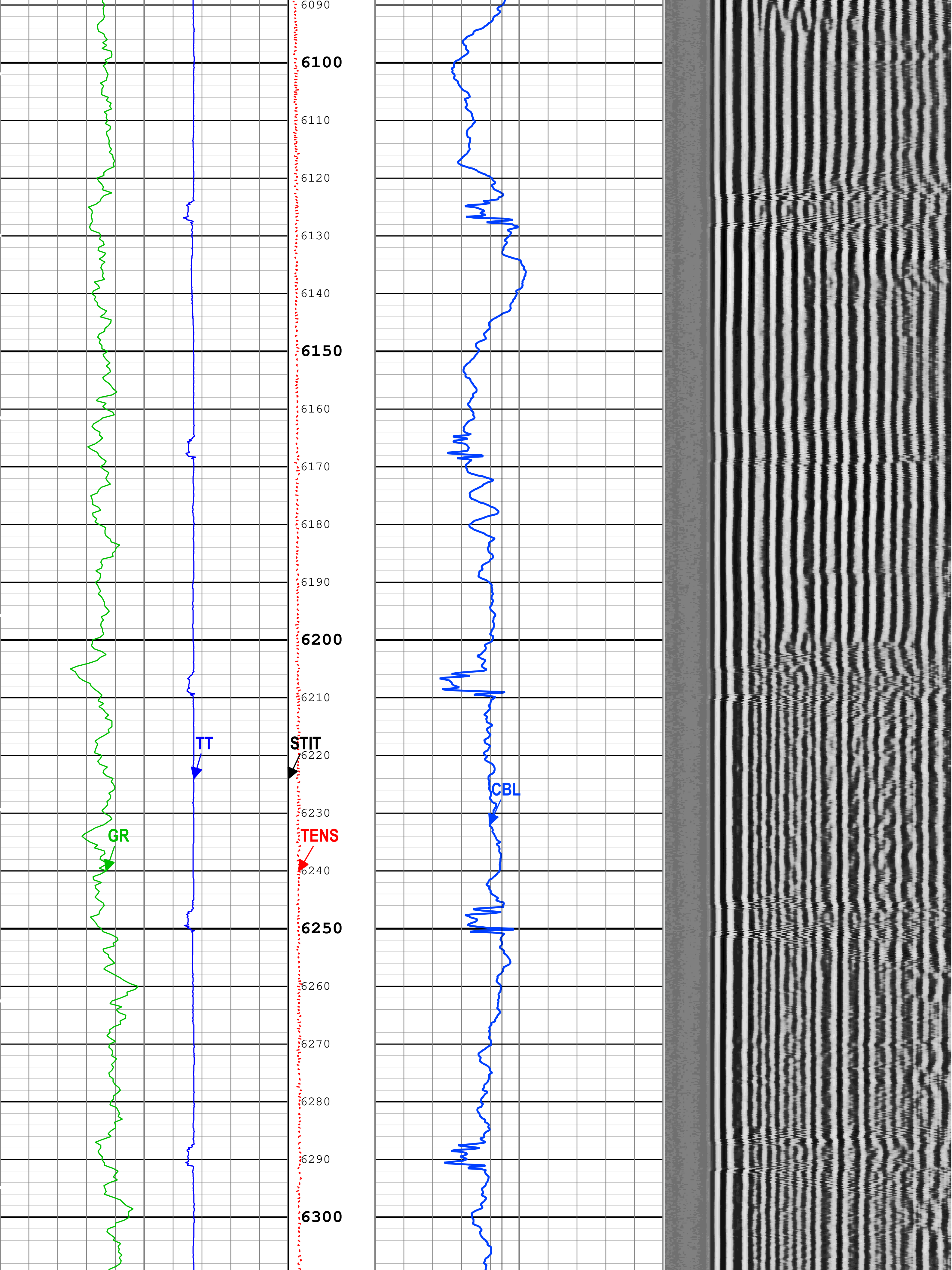
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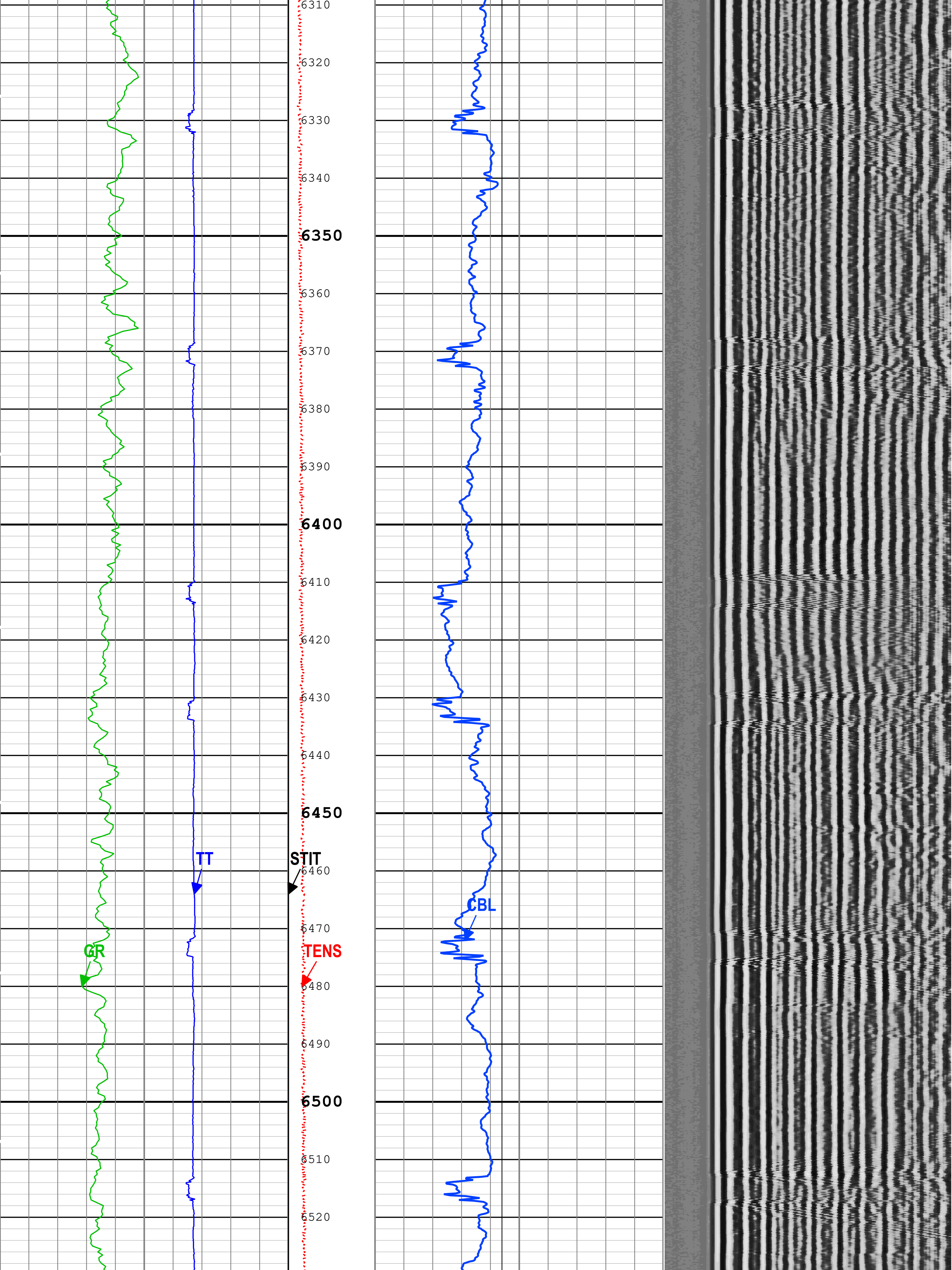
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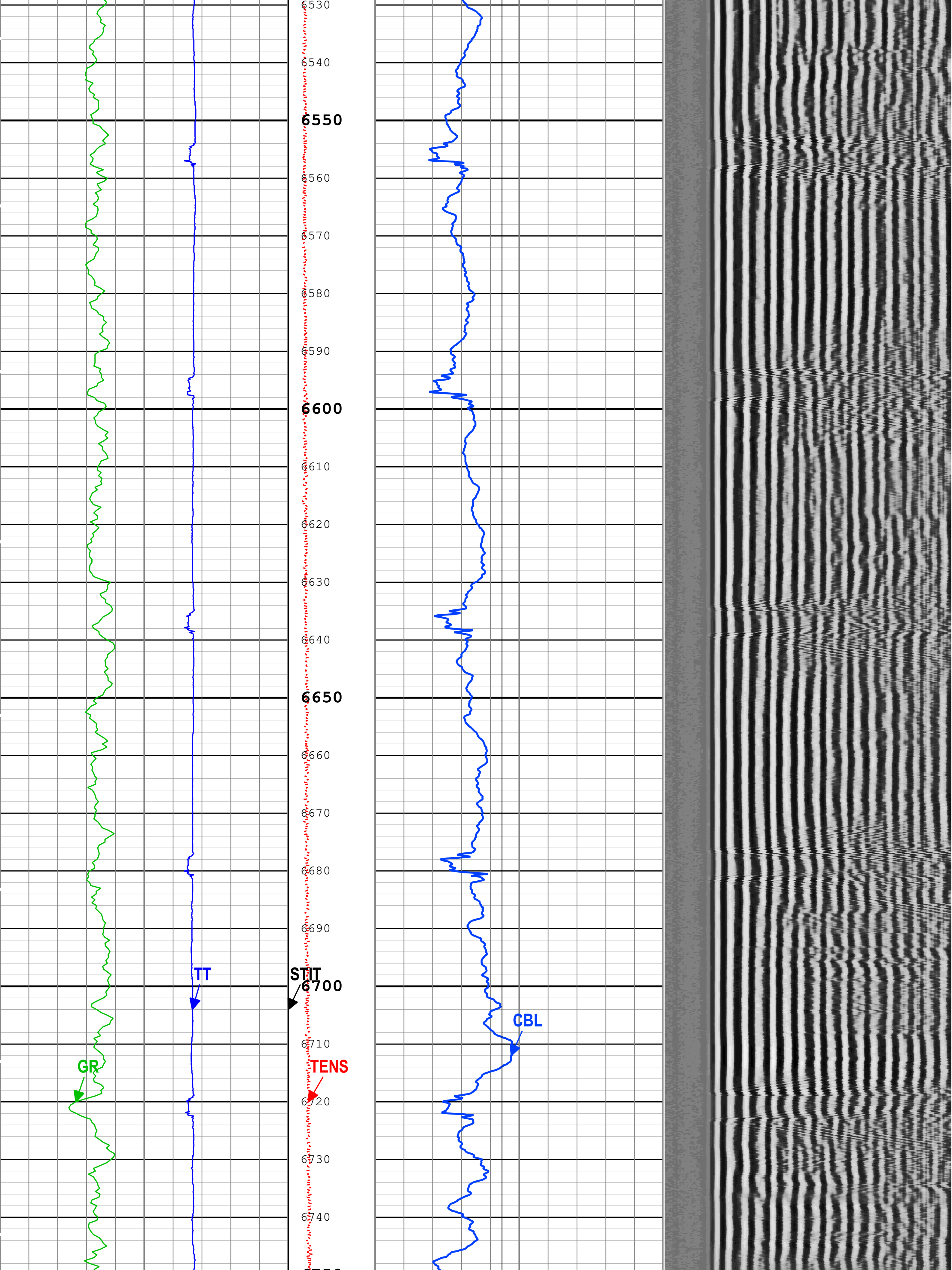
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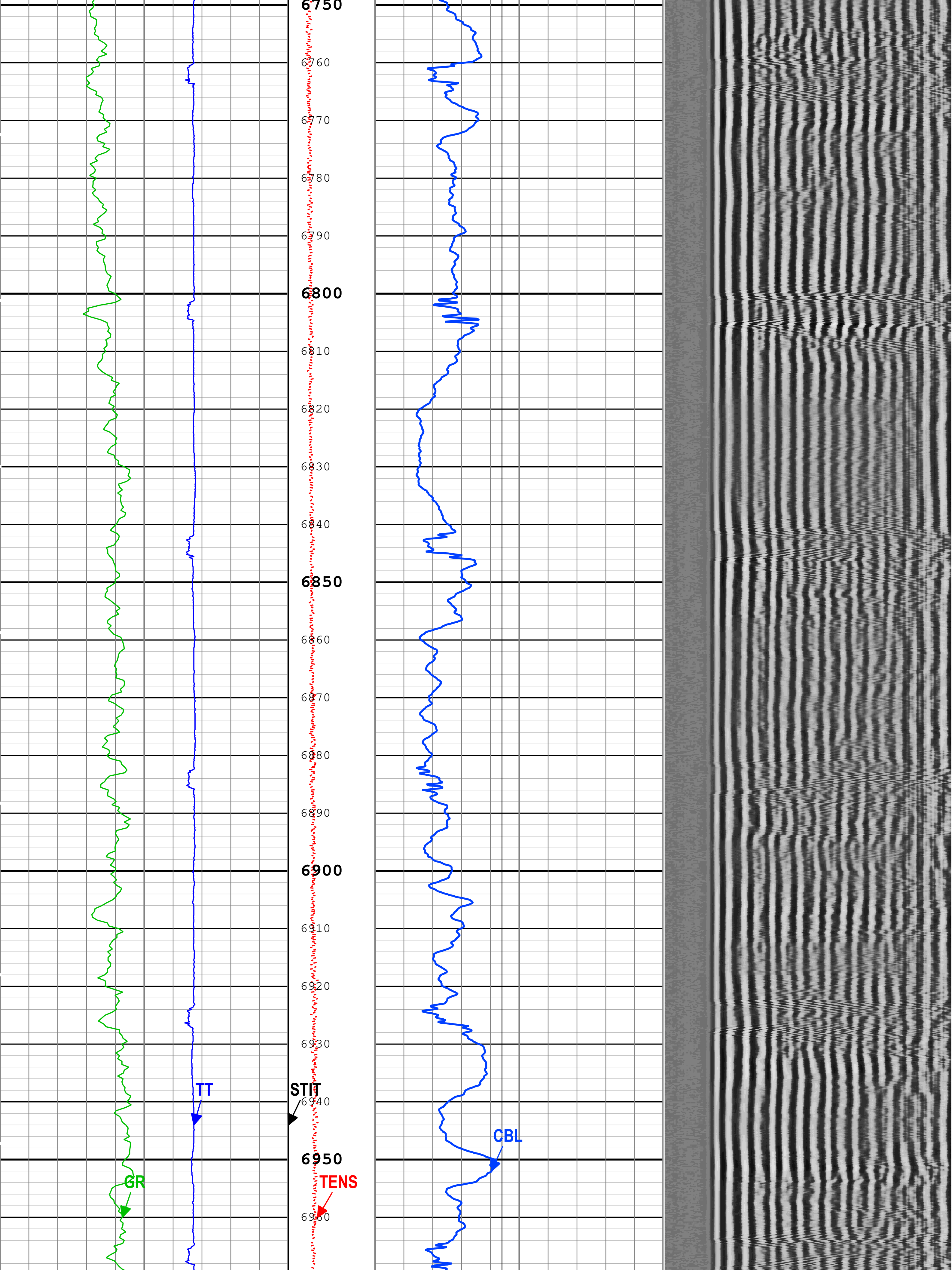
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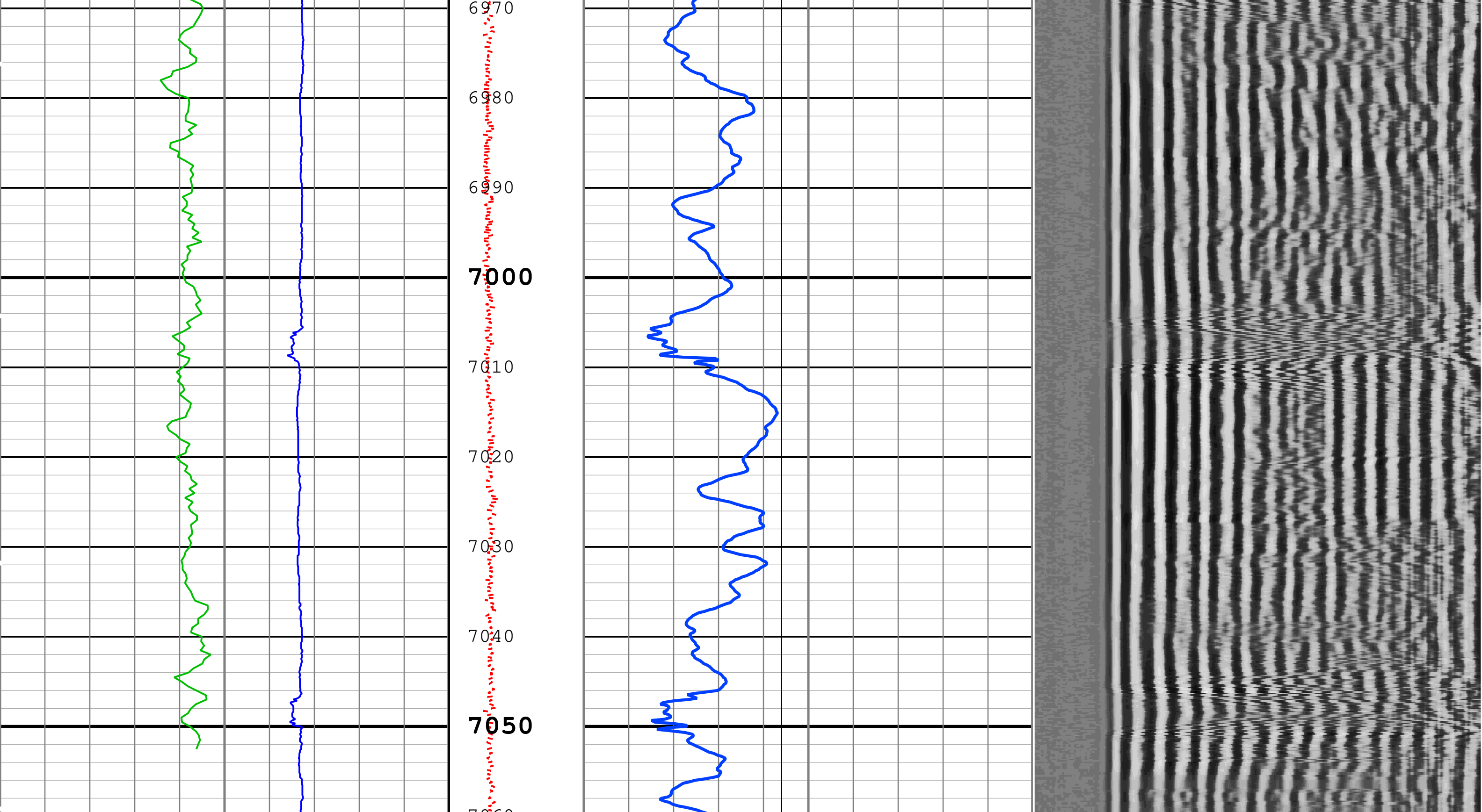


Gamma Ray (GR) PSTP-A
0 gAPI 150

Transit Time for CBL (TT) SCMT-CB
400 us 200

Cable Tension (TENS)
0 lbf 2000

Stuck Tool Indicator, Total (STIT)
0 ft 50

Cable Drag

Tool_Tot. Drag

CBL Amplitude (CBL) SCMT-CB
0 mV 10

CBL Amplitude (CBL) SCMT-CB
0 mV 100

Good Bond (GOBO)
0 mV 10

GoodBond From CBL to GOBO

Min Amplitude Max

VDL VariableDensity (VDL) SCMT-CB
200 us 1200

BIEP - Bond Index Event Pips SCMT-CB

TIME_1900 - Time Marked every 60.00 (s)

Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 24-May-2019 12:57:53

Channel Processing Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	235.86	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	72	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.361	in
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-CB	4.4	mV
GTSE	Generalized Temperature Selection, from Measured or	Borehole	WTEP	

	Computed Temperature			
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-CB	11.85	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-CB	Depth Zoned	ft
MSA	Minimum Sonic Amplitude	SCMT-CB	2.19	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	2.19	mV
RUN_SNUM	Run Sequence Number	WSDRUN	2	

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
MCI	14.81	70	2324
MCI	4.75	2324	7060

All depth are actual.

Tool Control Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-CB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	

Two

Main Pass

Software Version

Acquisition System	Version
Maxwell 2019	9.0.106845.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Two	Log[5]:Up	Up	14.02 ft	7077.57 ft	22-May-2019 6:26:55 PM	22-May-2019 10:31:06 PM	ON	6.39 ft	Yes

All depths are referenced to toolstring zero

Log

Company:Crestone Peak Resources and Operating LLC Well:Echeverria 2E-2H-D267

Two: Log[5]:Up:S007

Description: SCMT VDL Image Format: Log (SCMT_VDL_Image) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 24-May-2019 12:58:03

TIME_1900 - Time Marked every 60.00 (s)

Gamma Ray (GR) PSTP-A
0 gAPI 150

Relative Bearing (RB_SCMT) SCMT-CB
0 deg 360

Minimum MAP Transit Time (MITT) SCMT-CB
100 us 300

Maximum MAP Transit Time (MXTT) SCMT-CB
100 us 300

Transit Time for CBL (TT) SCMT-CB
200 us 400

CBL Amplitude (CBL) SCMT-CB
0 mV 10

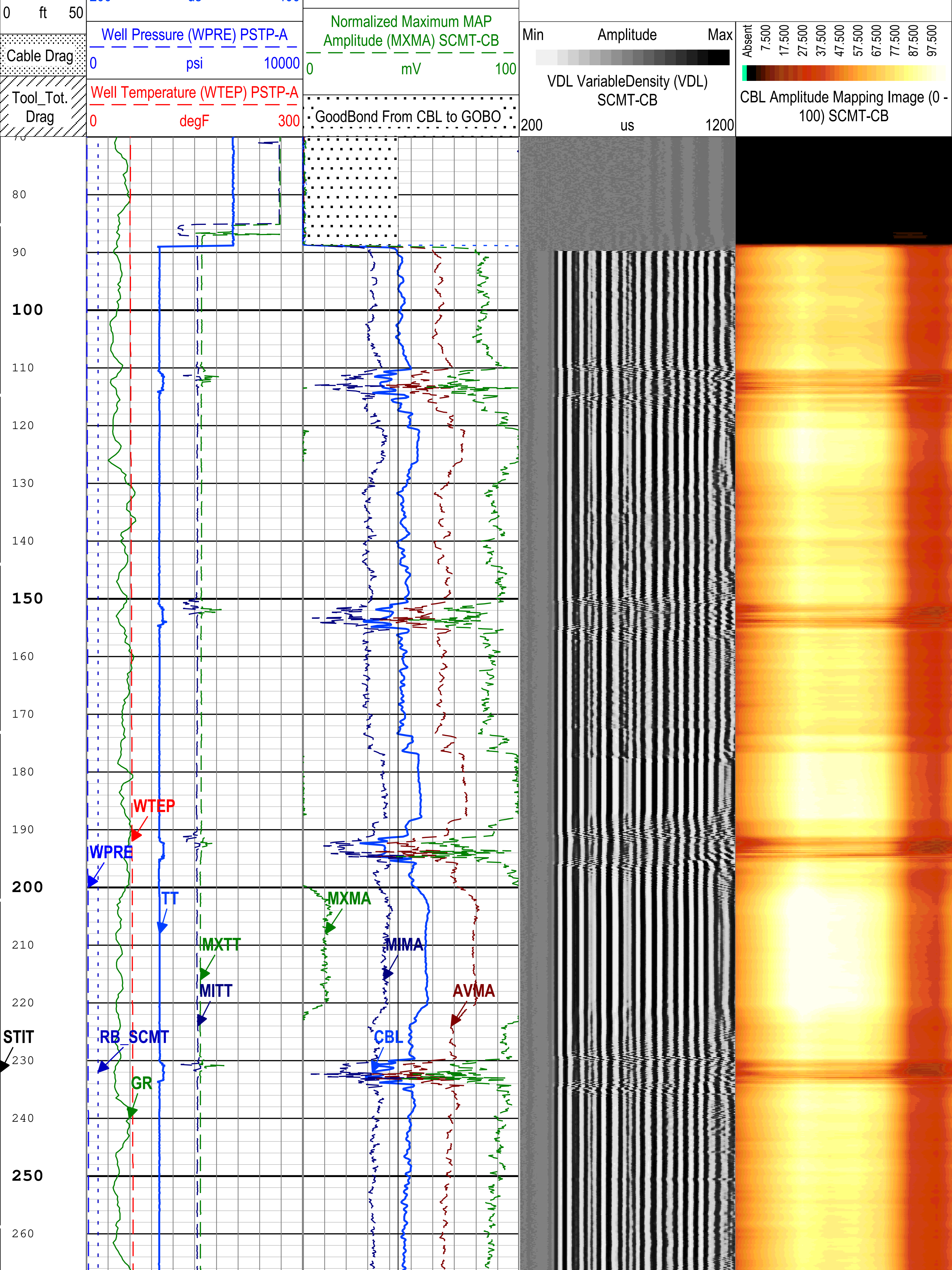
CBL Amplitude (CBL) SCMT-CB
0 mV 100

Good Bond (GOBO)
0 mV 10

Normalized Average MAP Amplitude (AVMA) SCMT-CB
0 mV 100

Normalized Minimum MAP Amplitude (MIMA) SCMT-CB
0 mV 100

Stuck Tool Indicator, Total (STIT)


0 ft 50
Cable Drag
Tool_Tot. Drag
Well Pressure (WPRE) PSTP-A
0 psi 10000
Well Temperature (WTEP) PSTP-A
0 degF 300
Normalized Maximum MAP Amplitude (MXMA) SCMT-CB
0 mV 100
GoodBond From CBL to GOBO
Min Amplitude Max
VDL VariableDensity (VDL) SCMT-CB
200 us 1200
Absent
7.500
17.500
27.500
37.500
47.500
57.500
67.500
77.500
87.500
97.500
CBL Amplitude Mapping Image (0 - 100) SCMT-CB
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
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STIT
RB_SCMT
CBL
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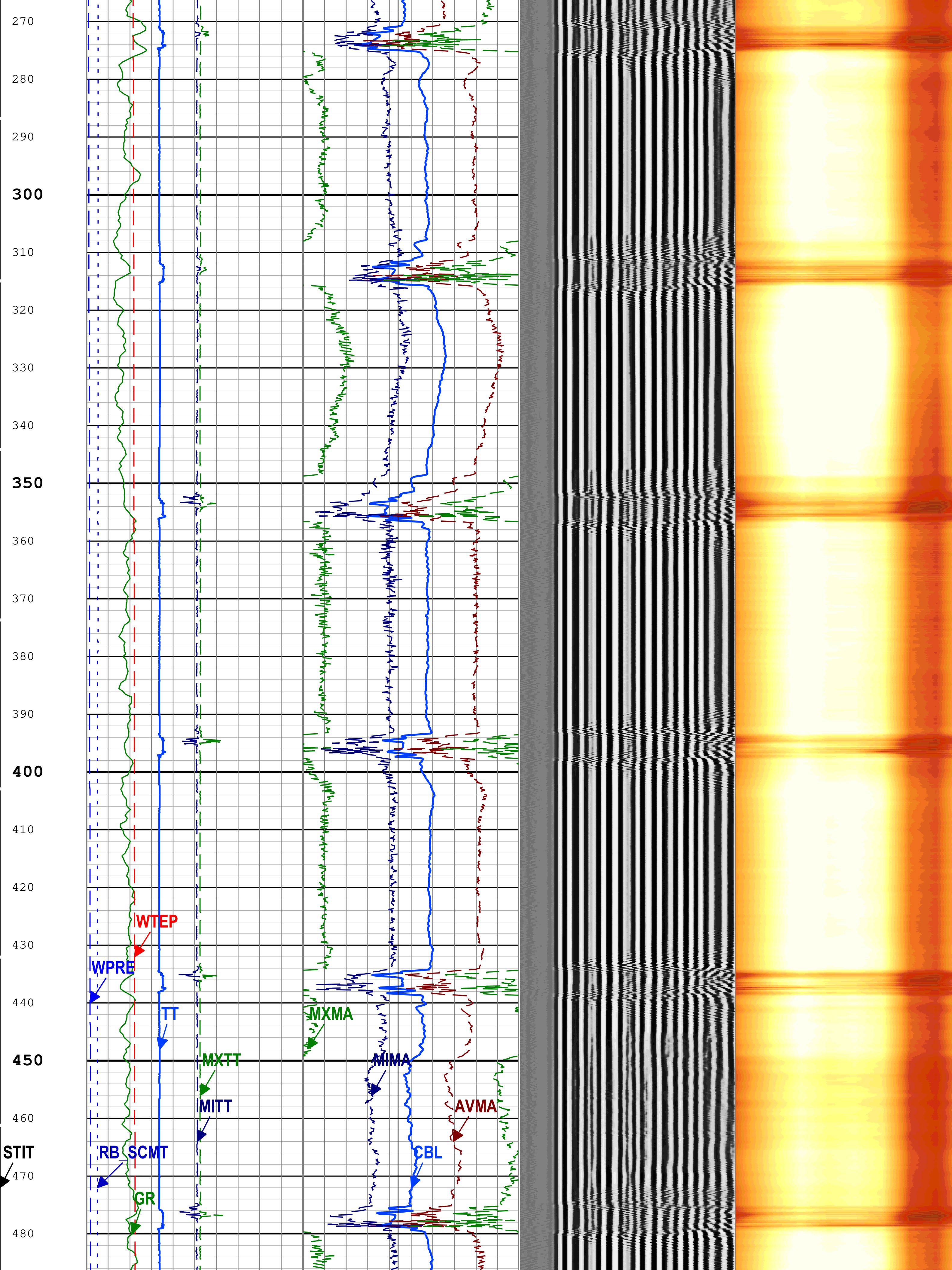

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RB
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CBL
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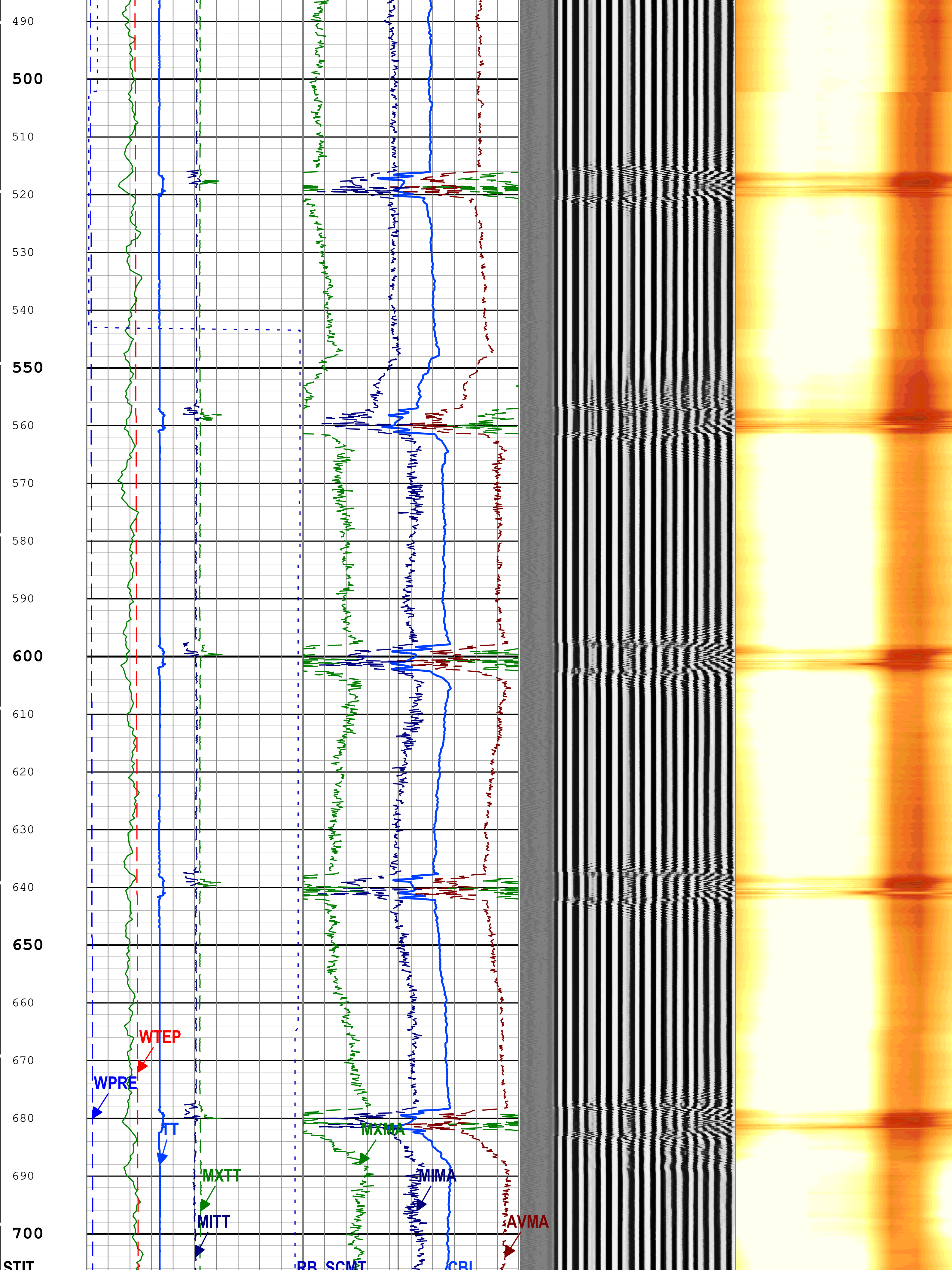
GR
480



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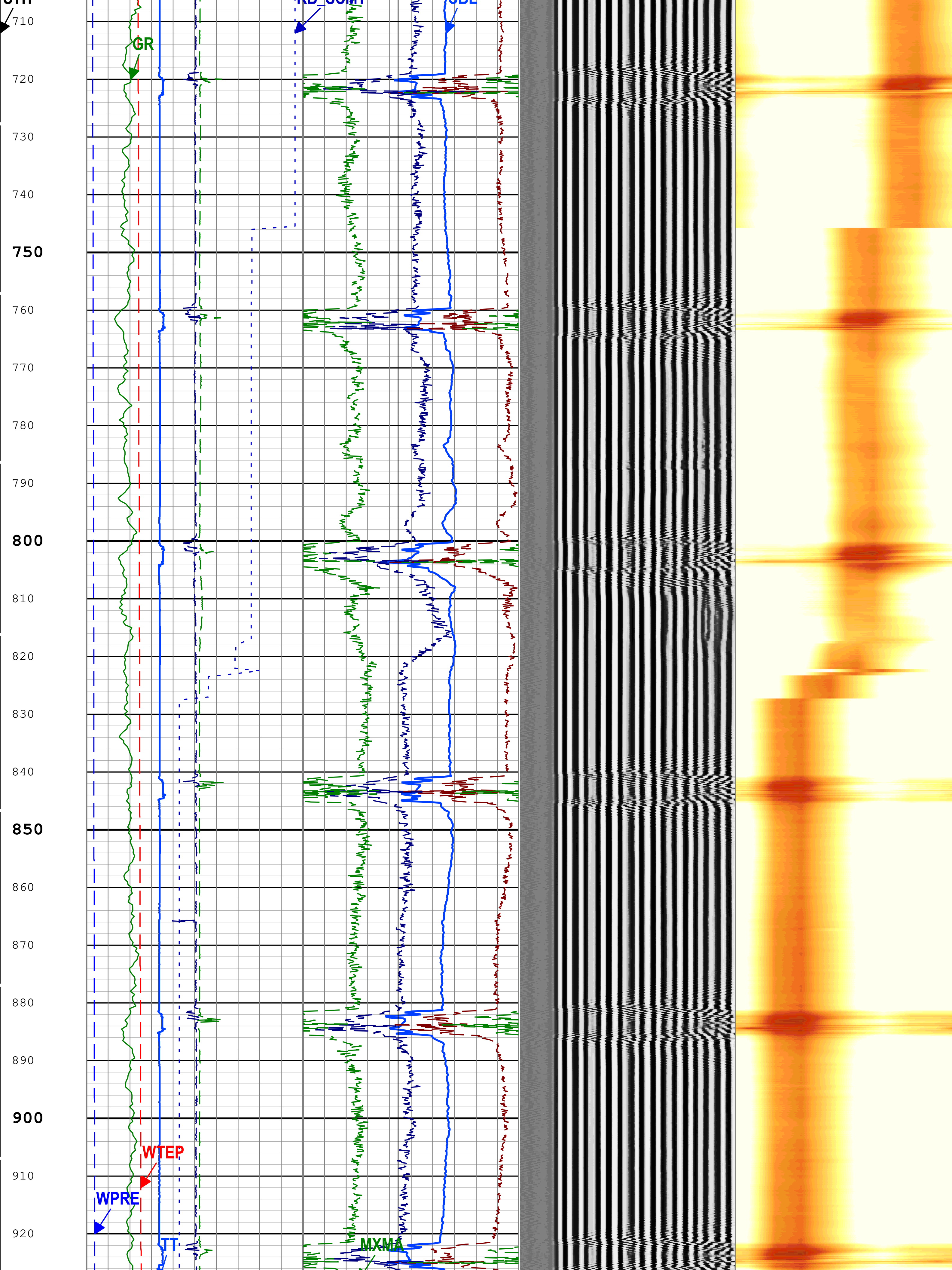
MIMA
AVMA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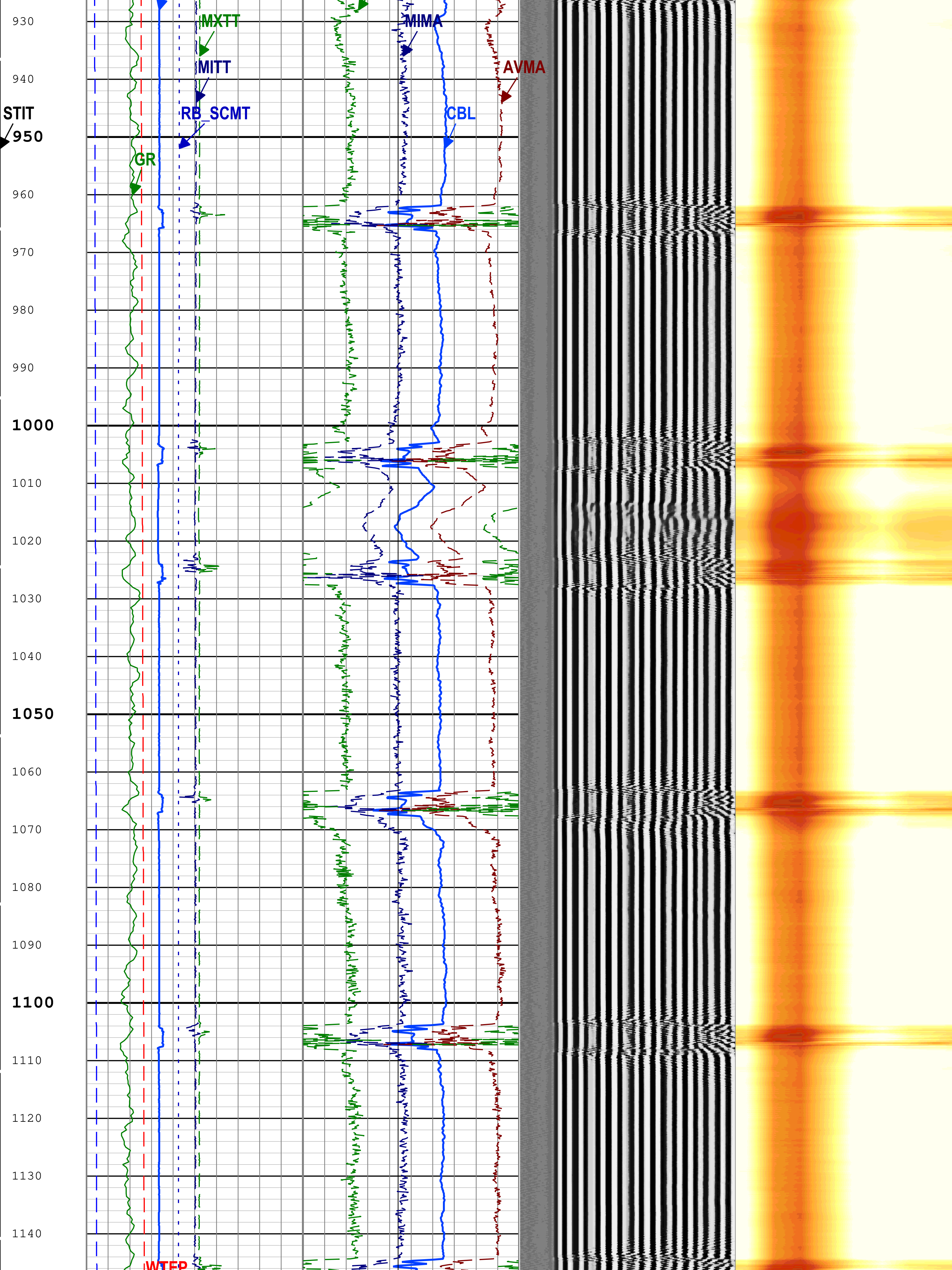

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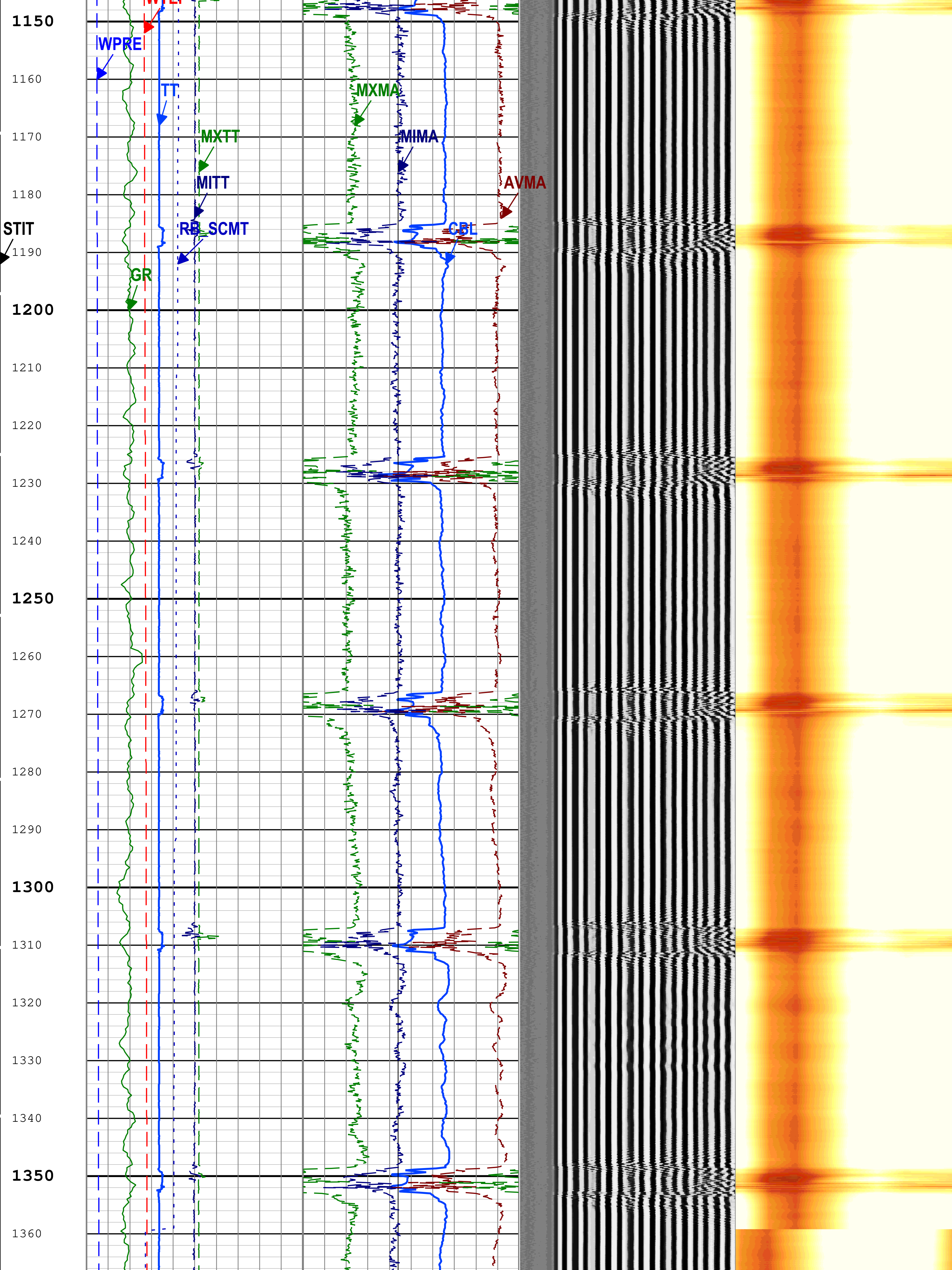
WTEP



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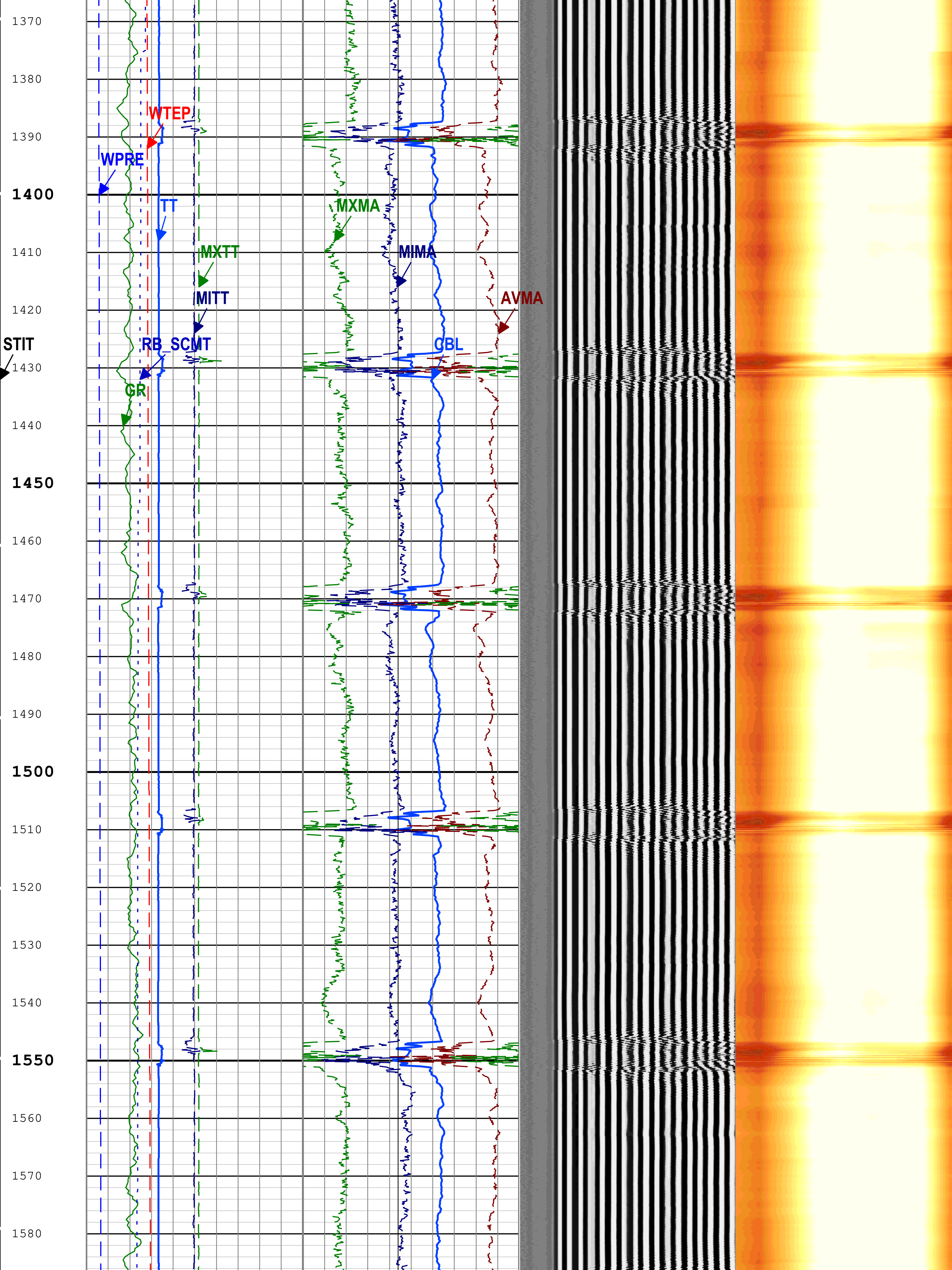
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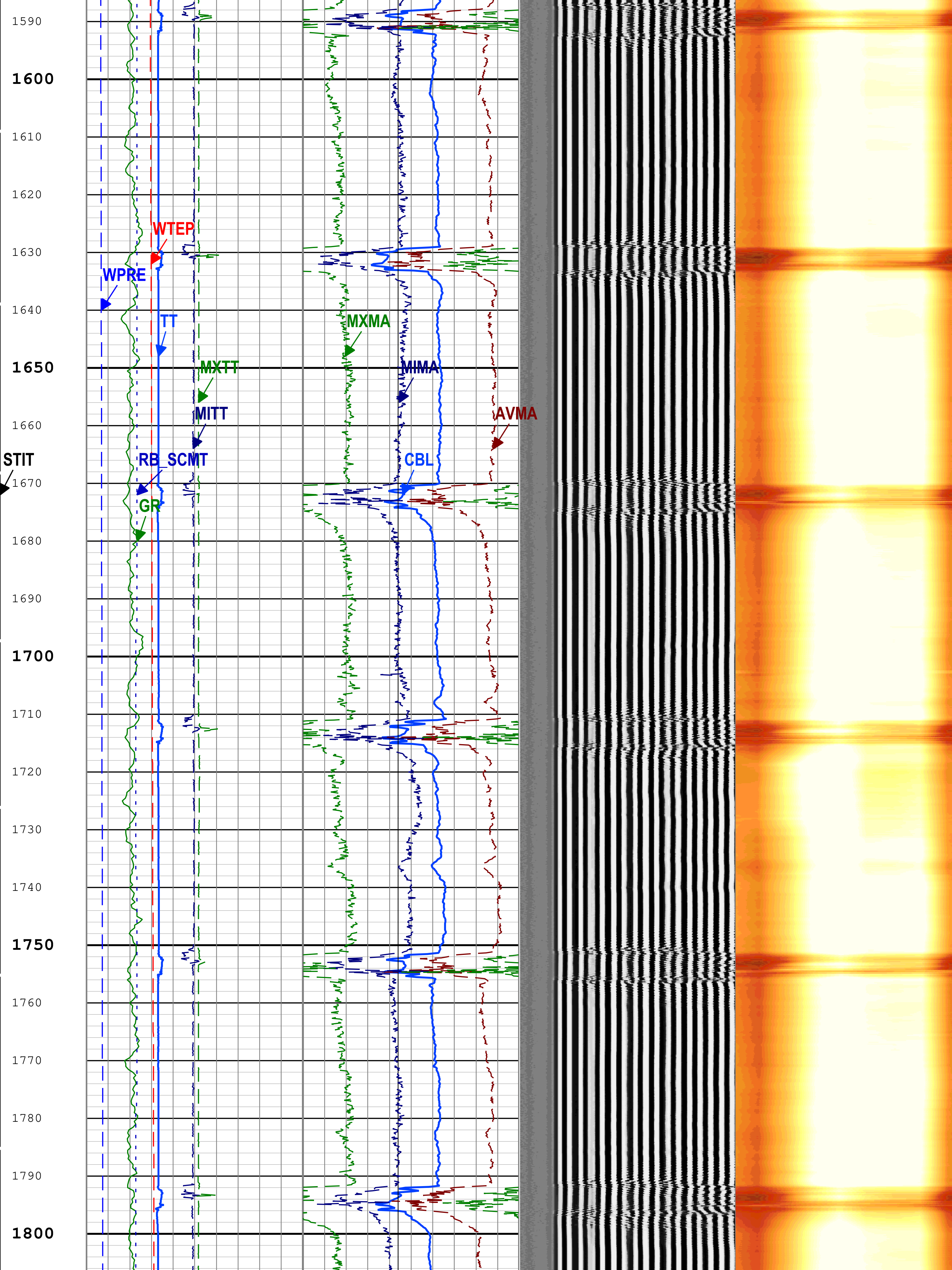
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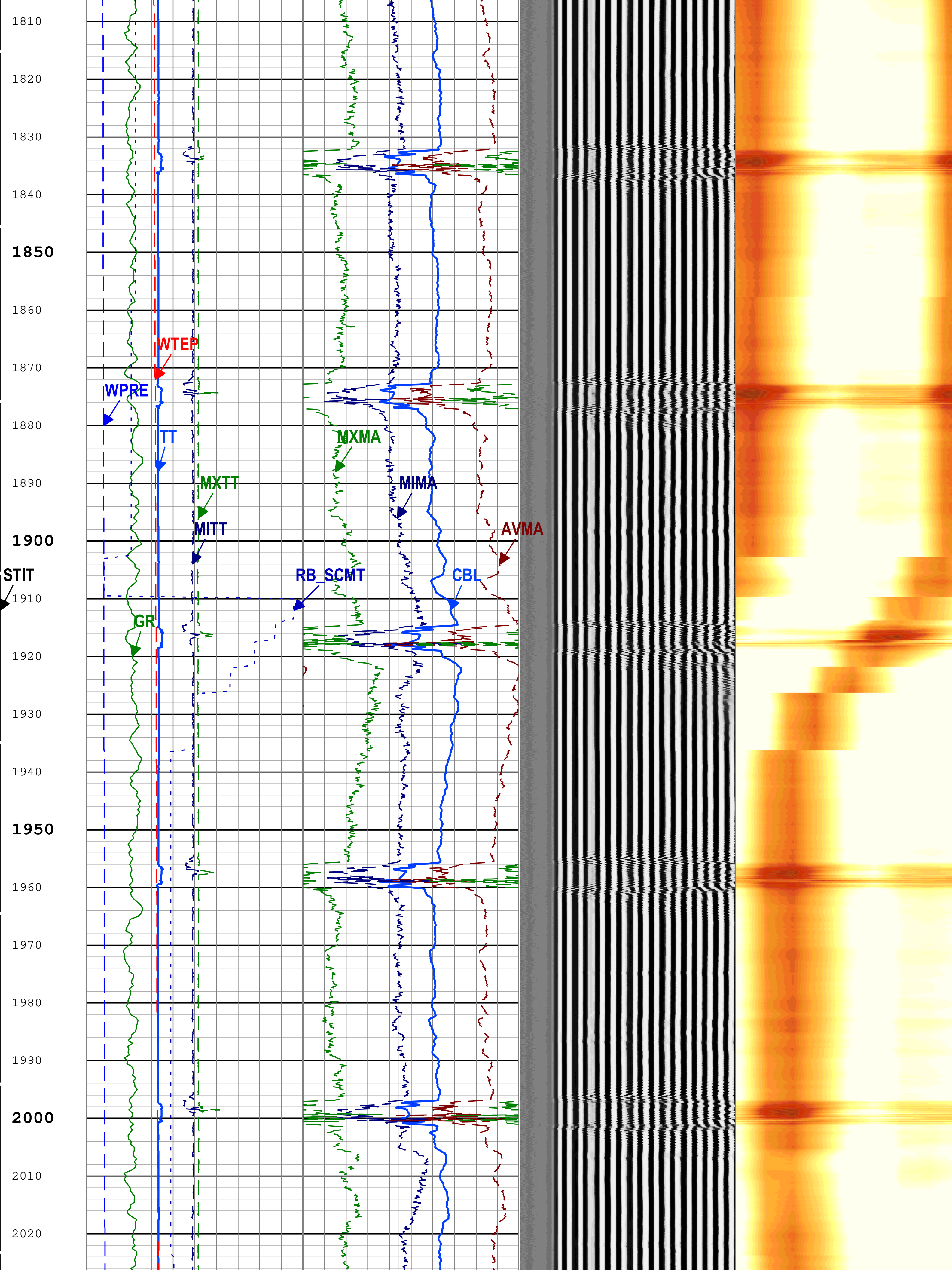
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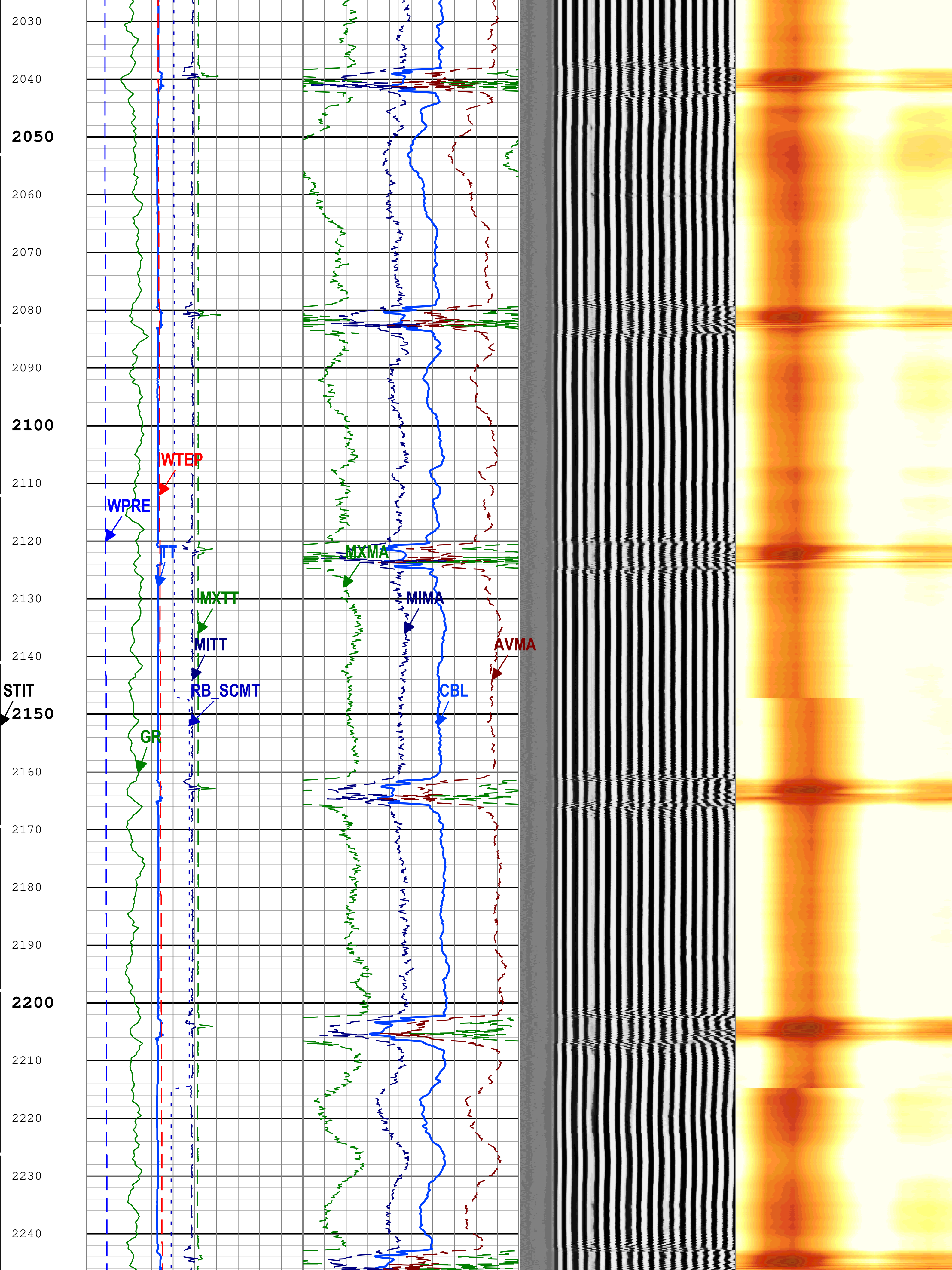
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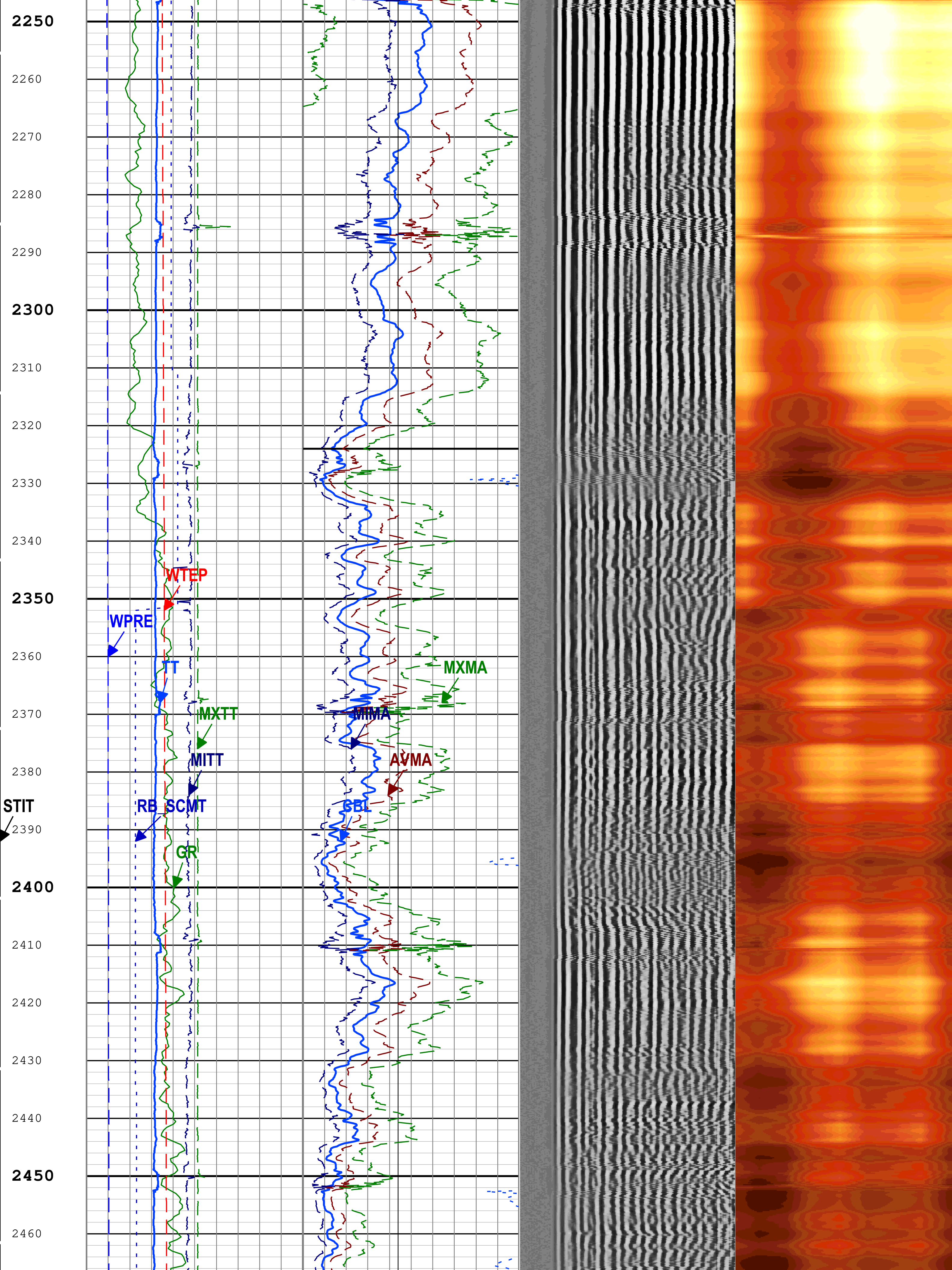
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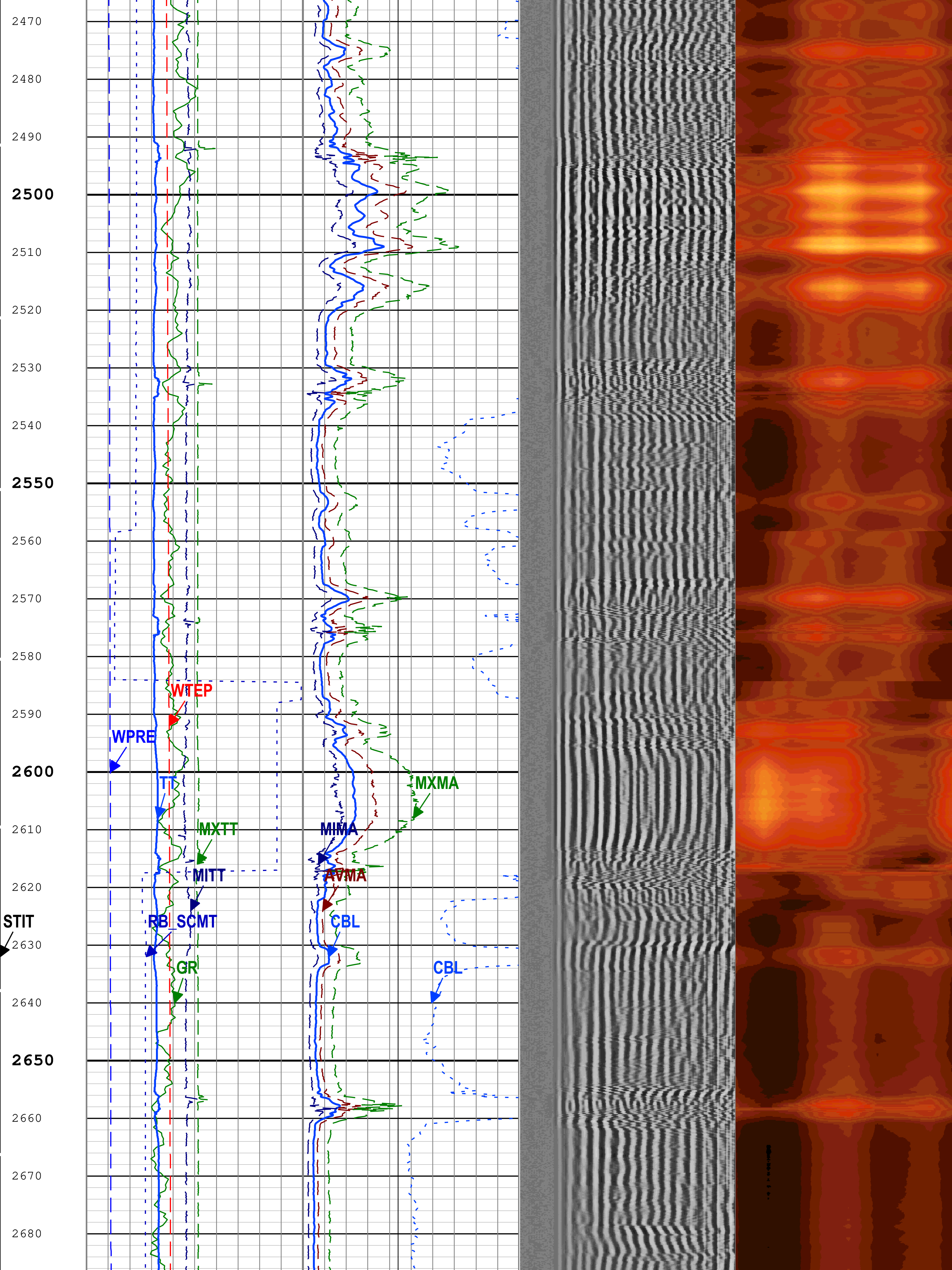
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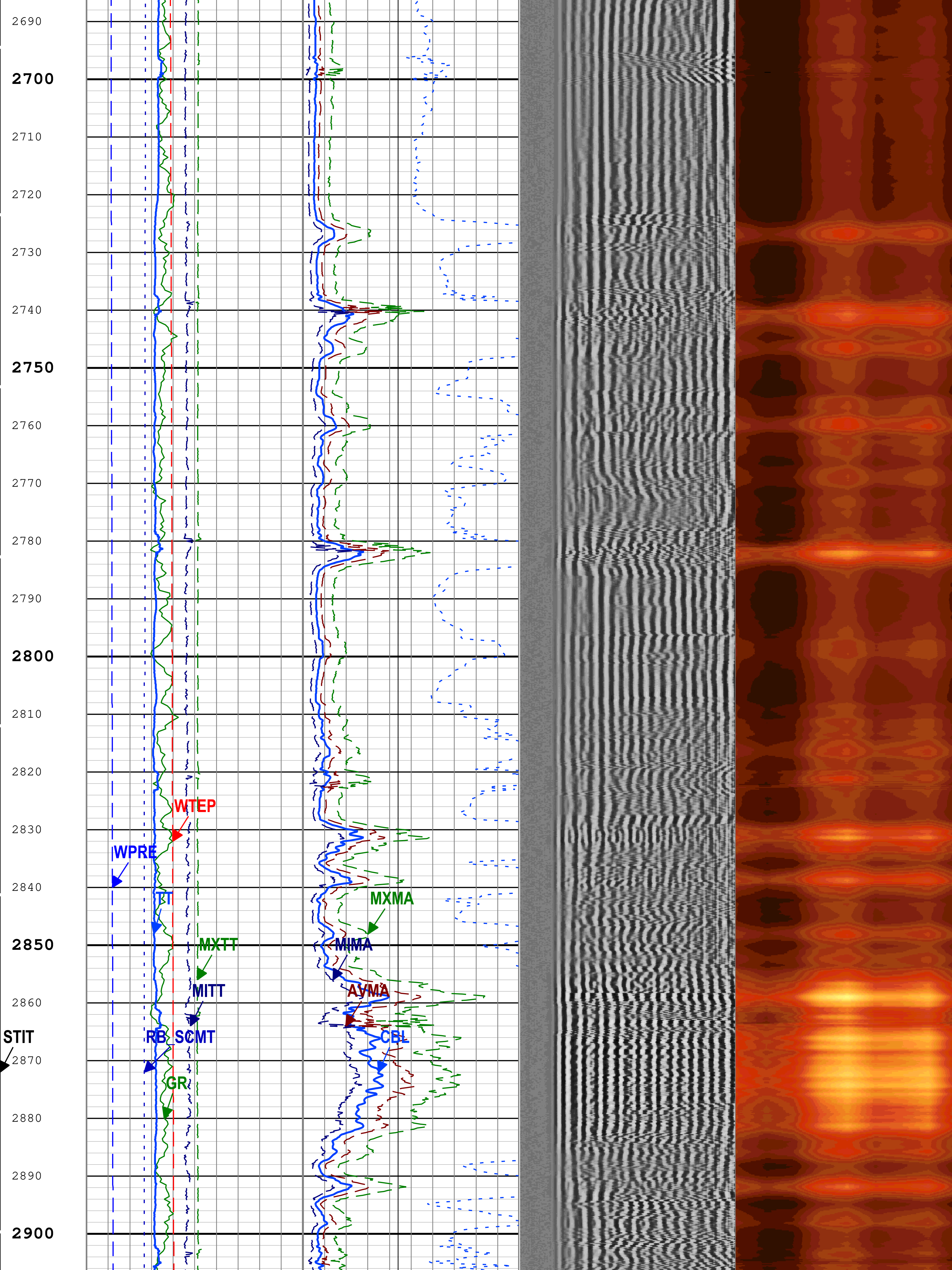
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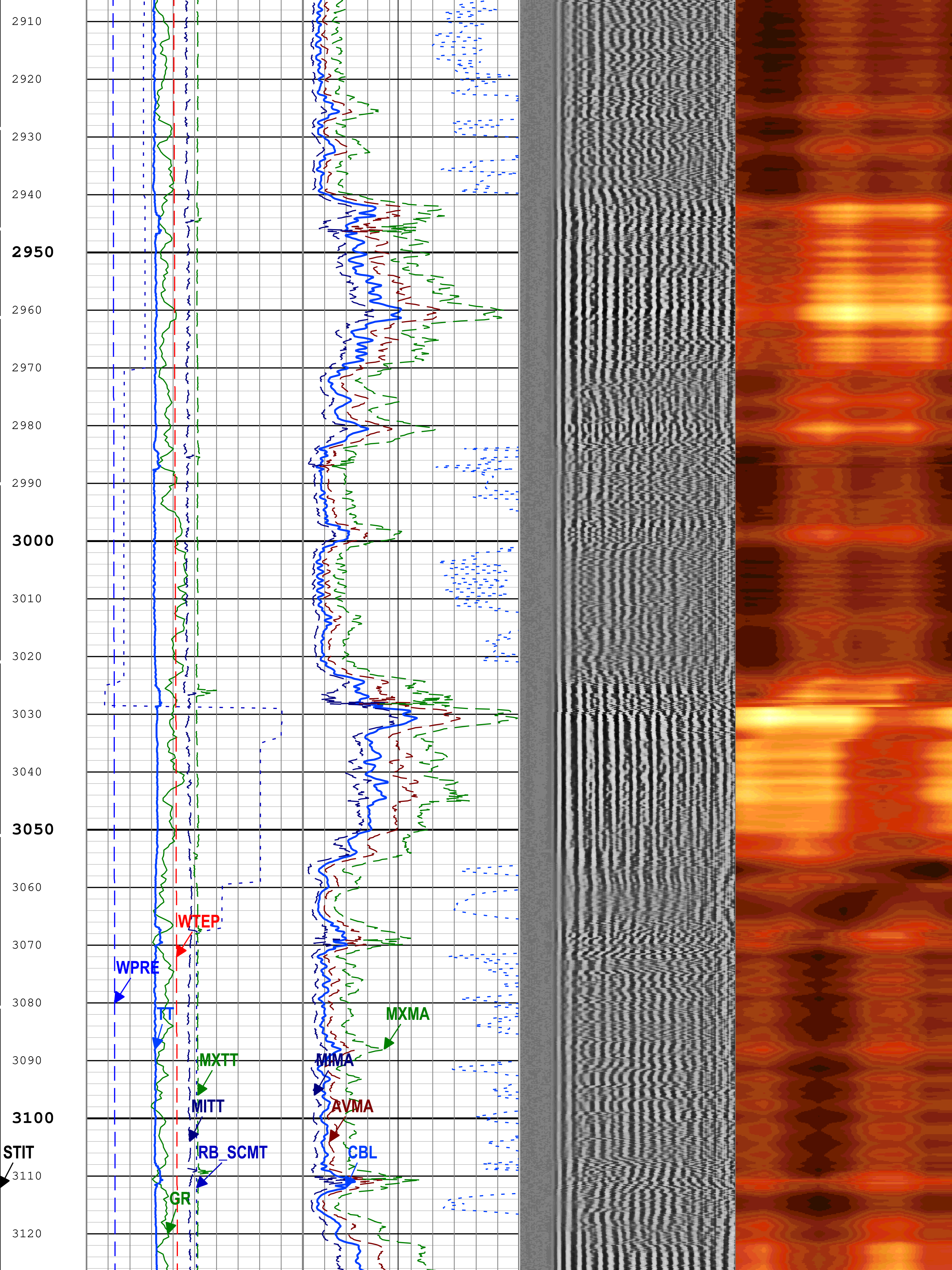
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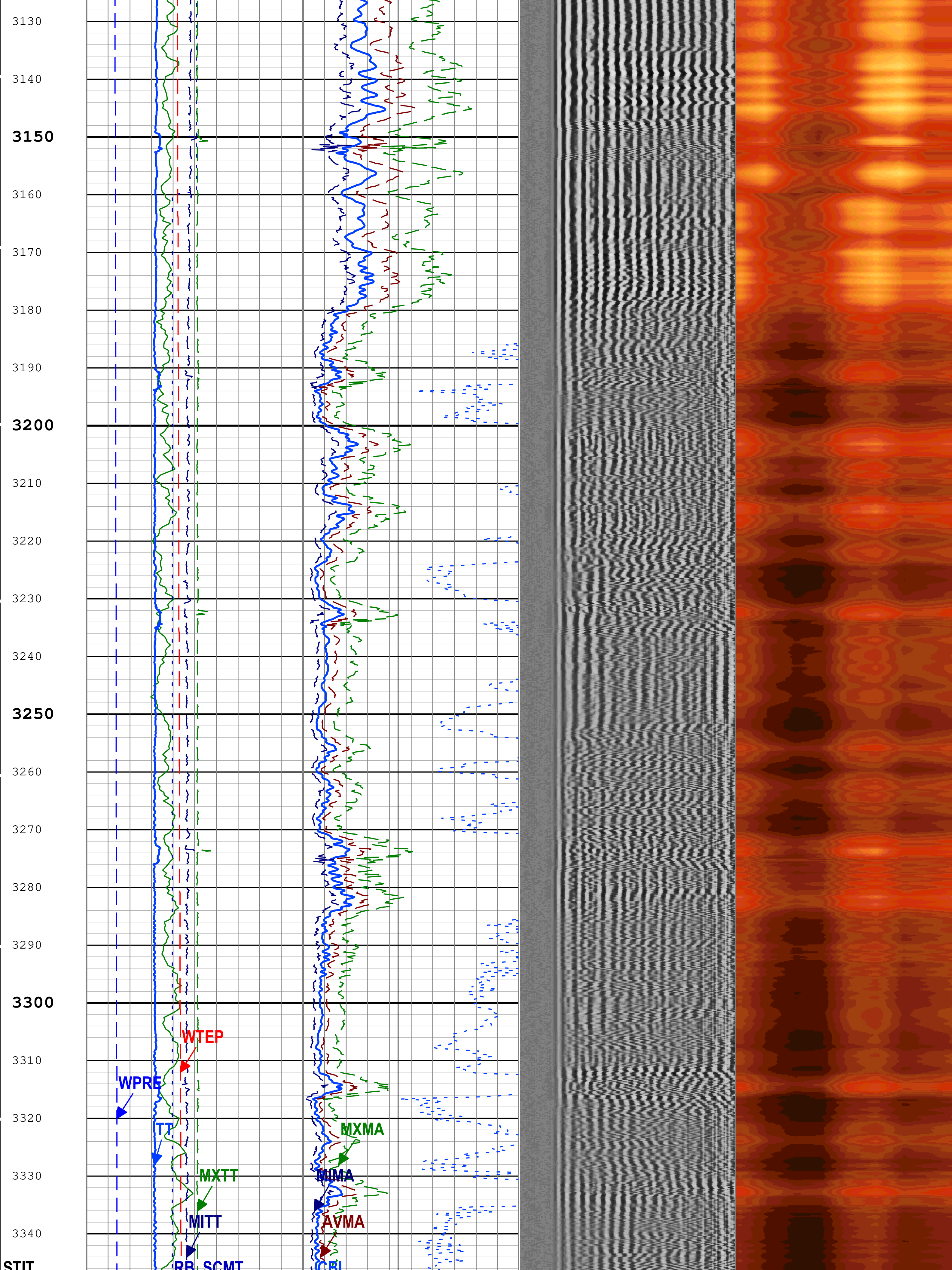
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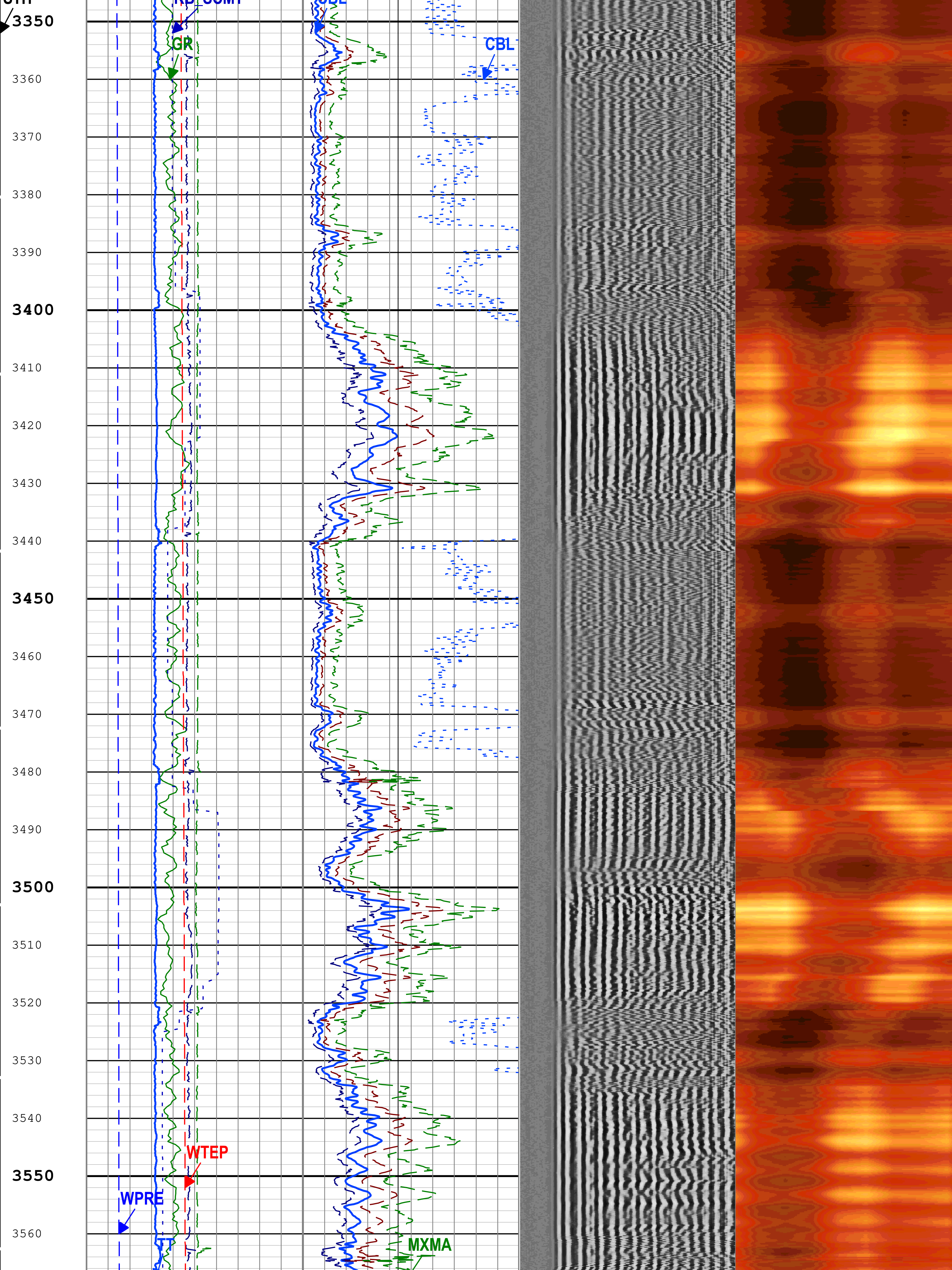
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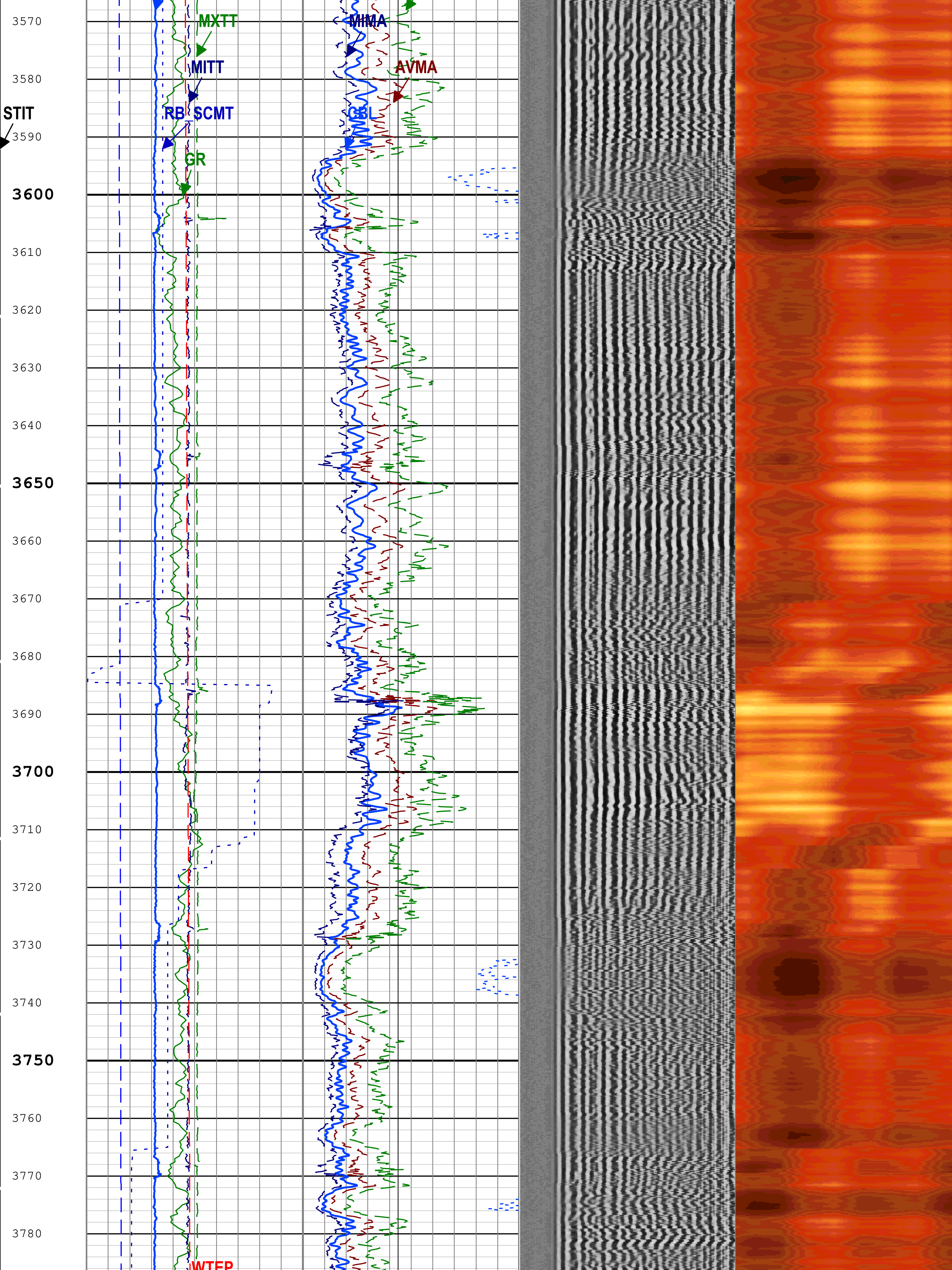

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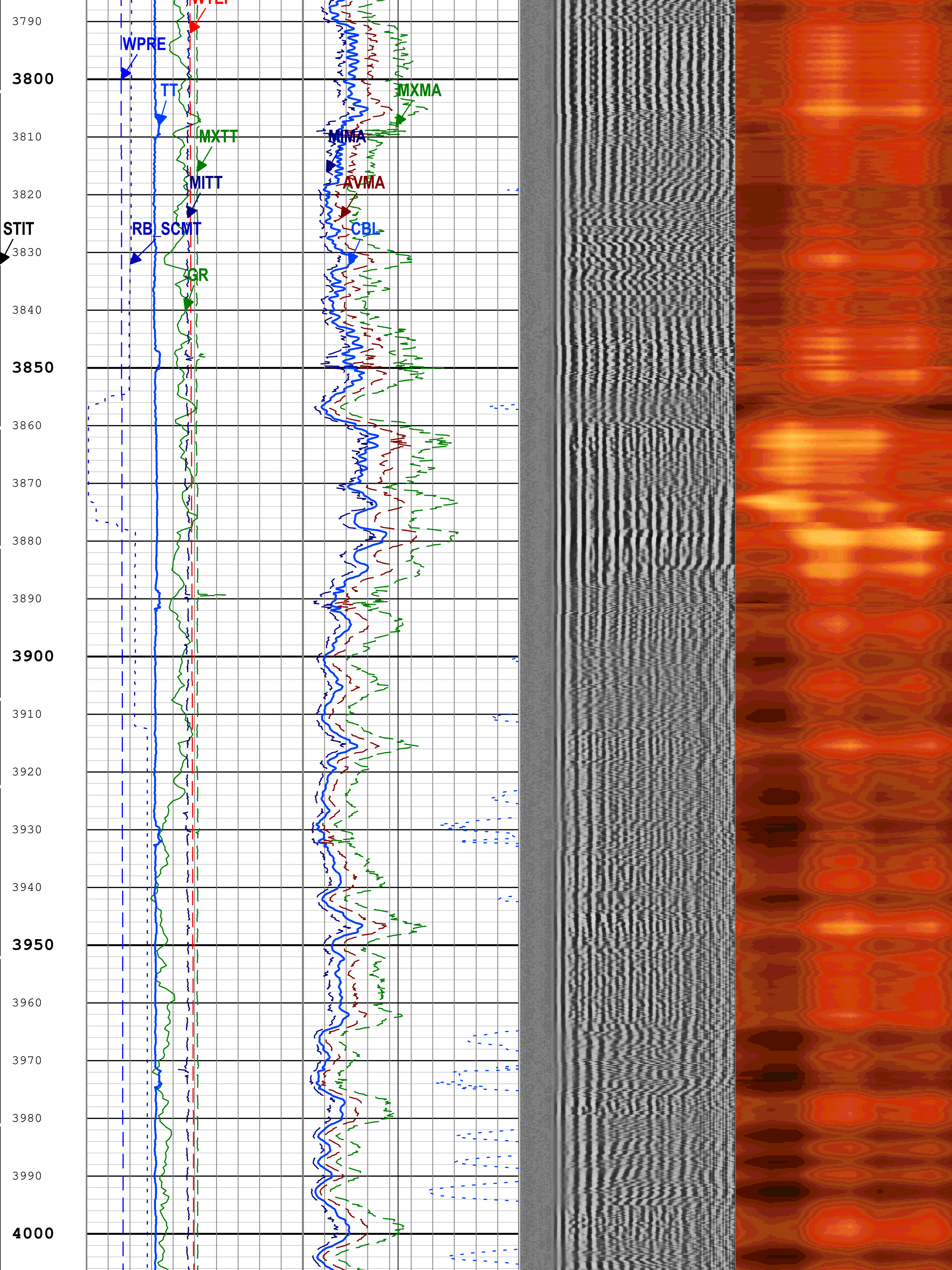

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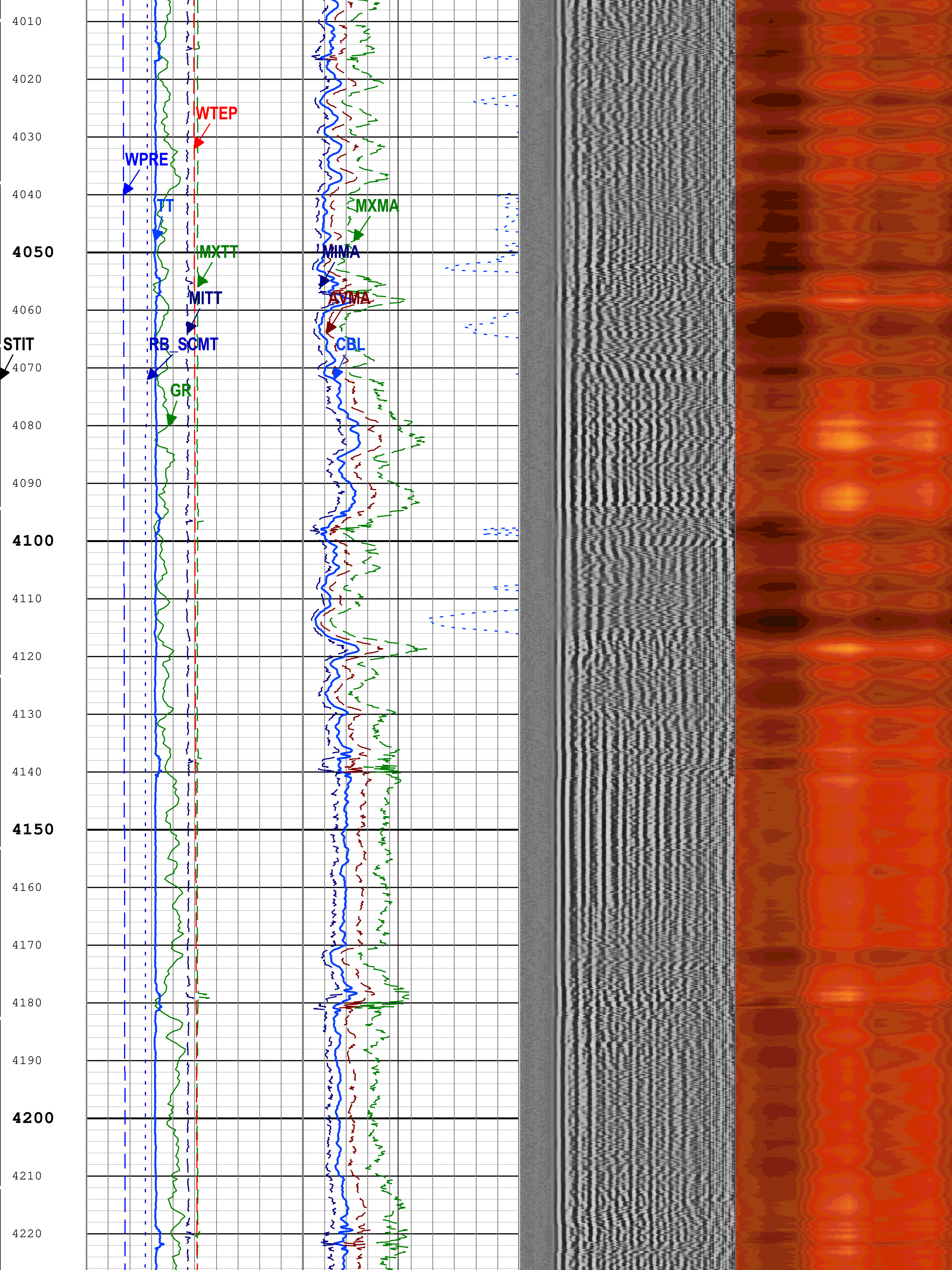

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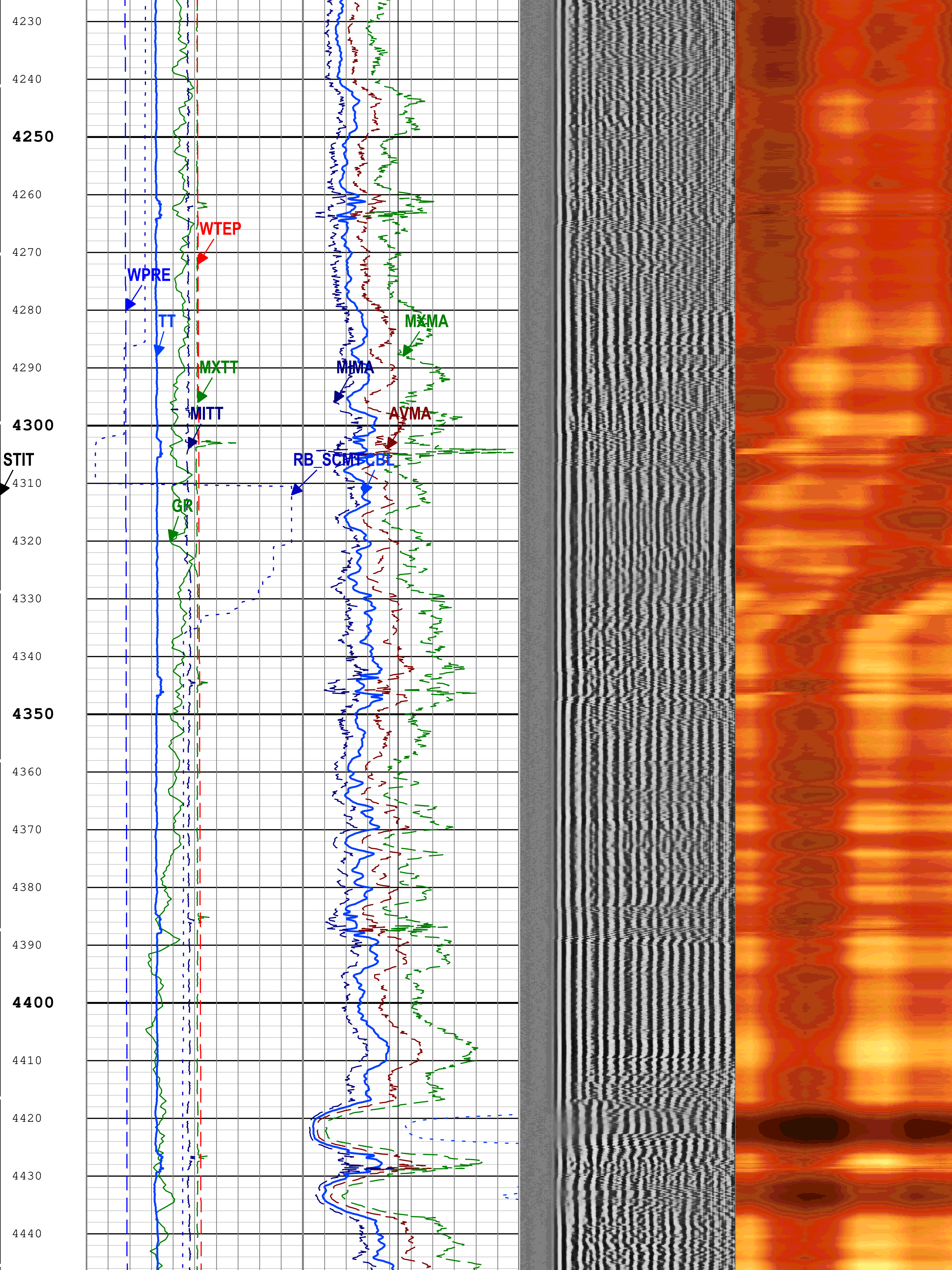
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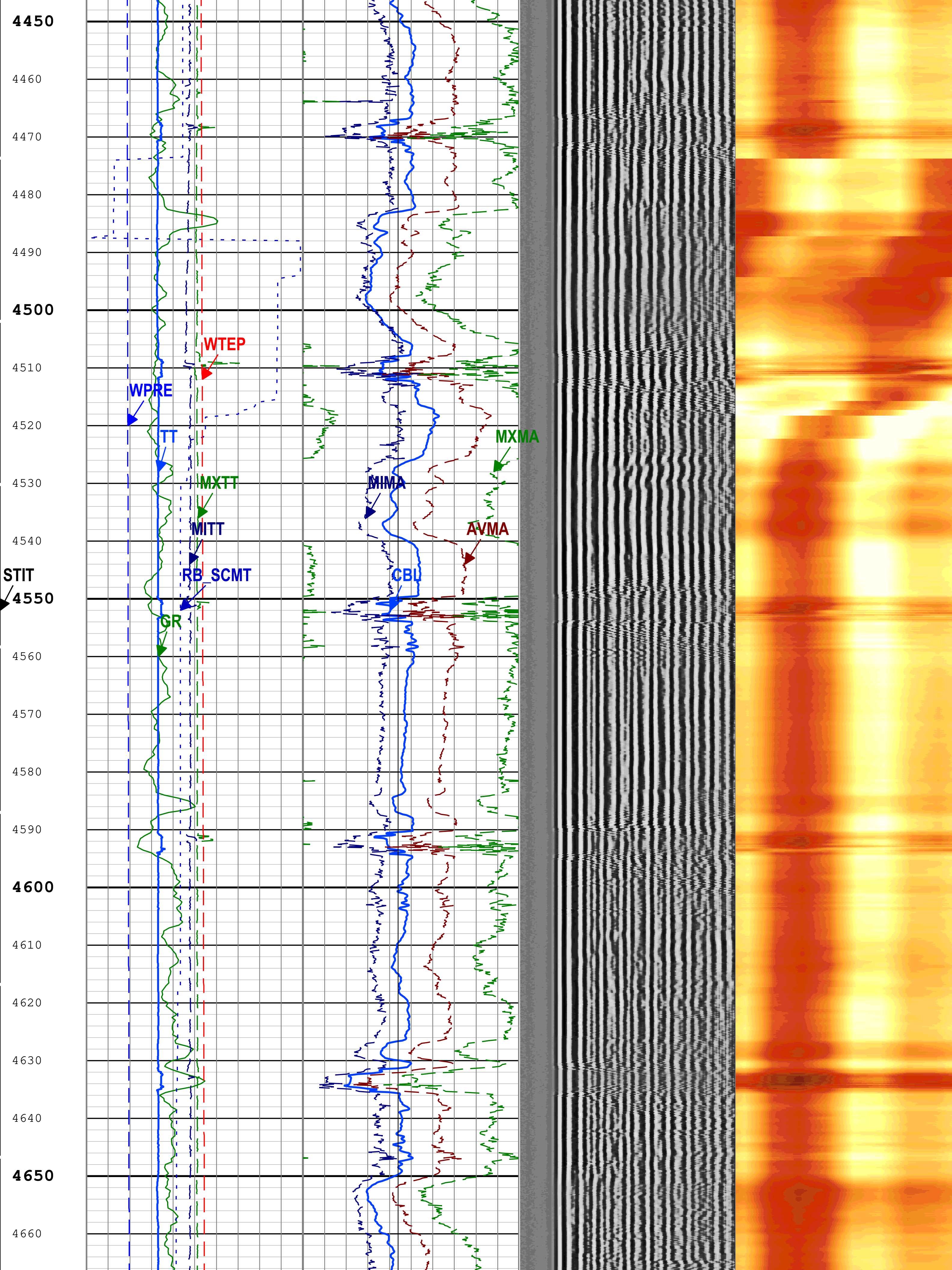
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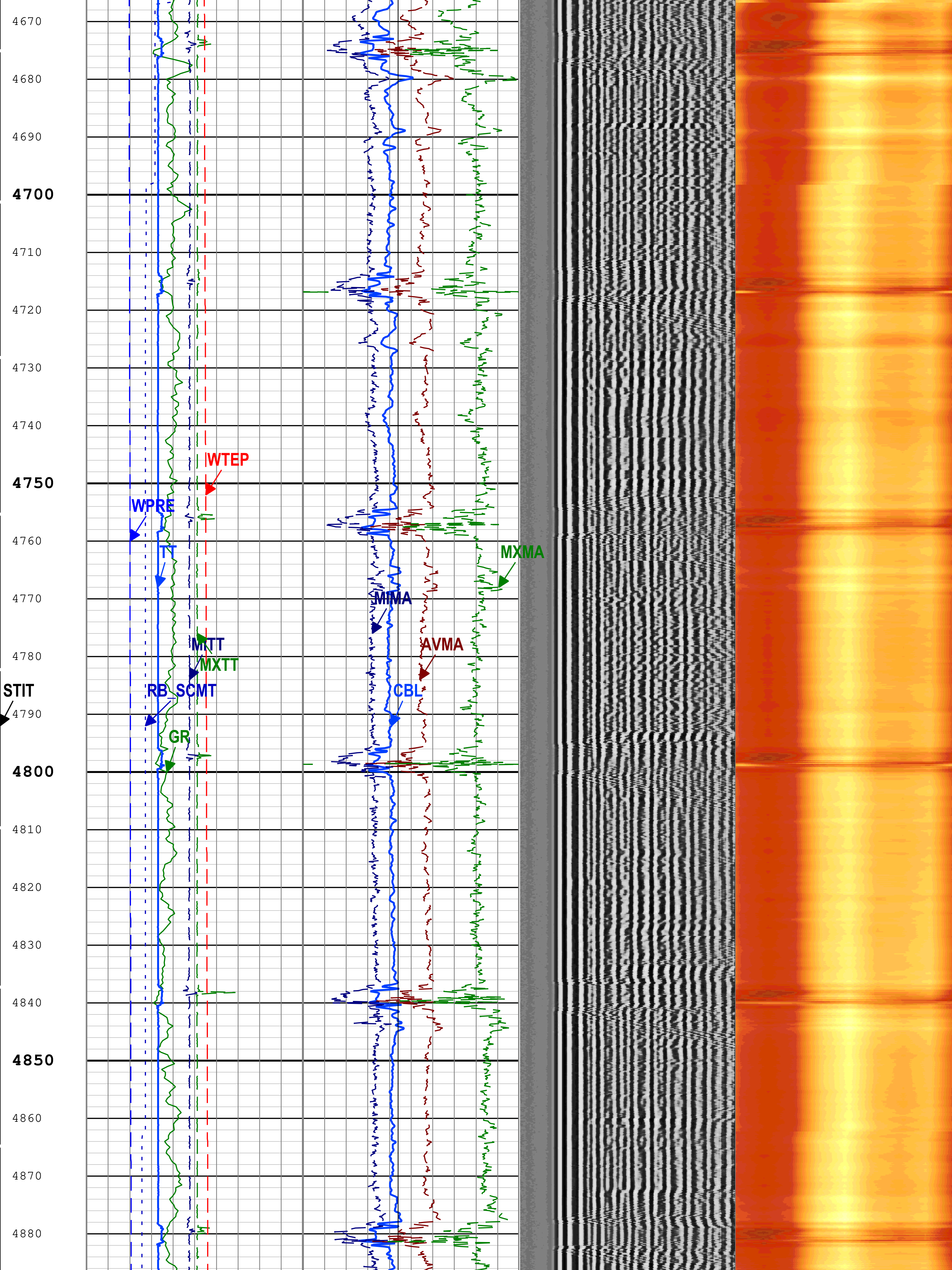
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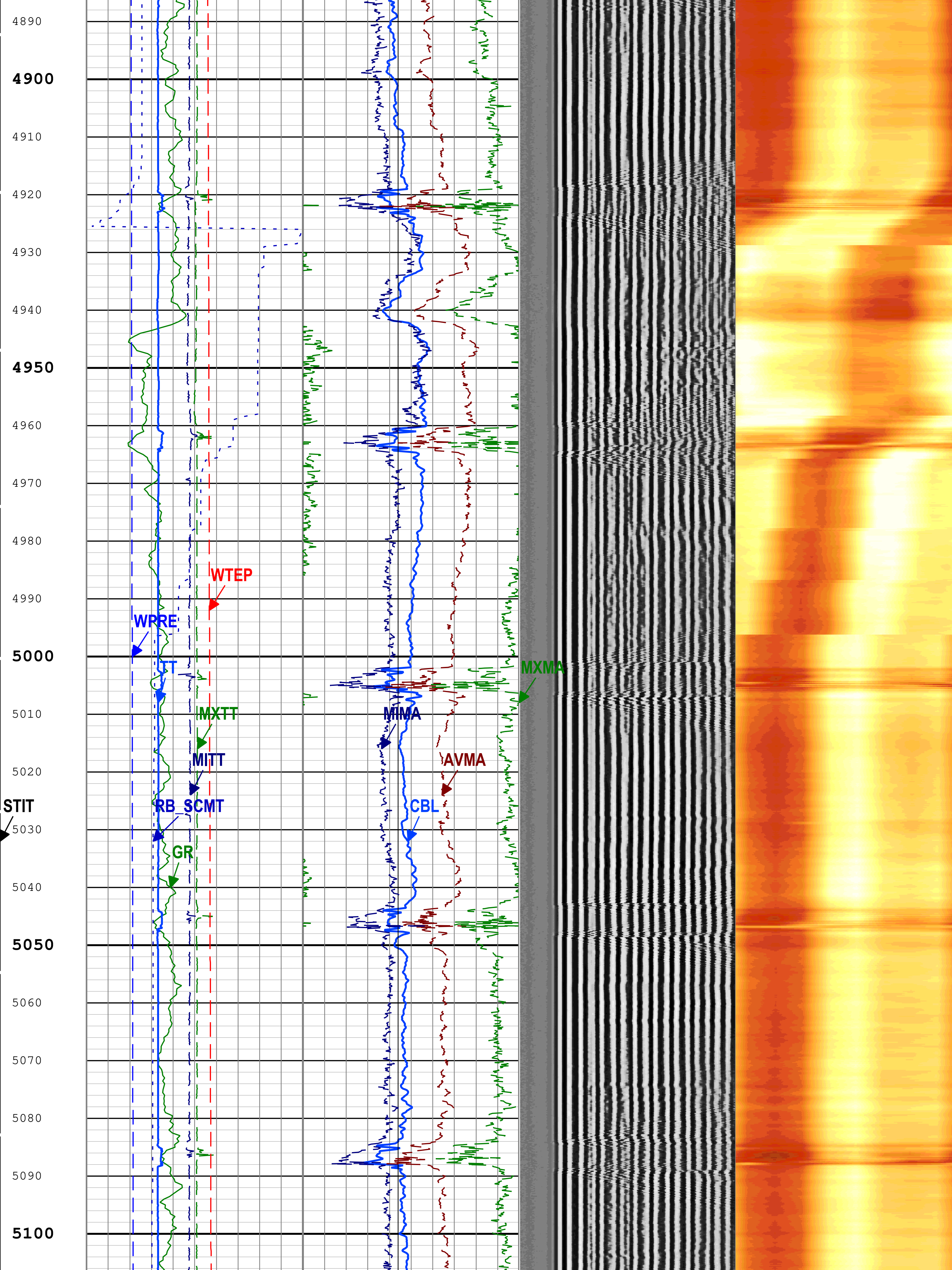
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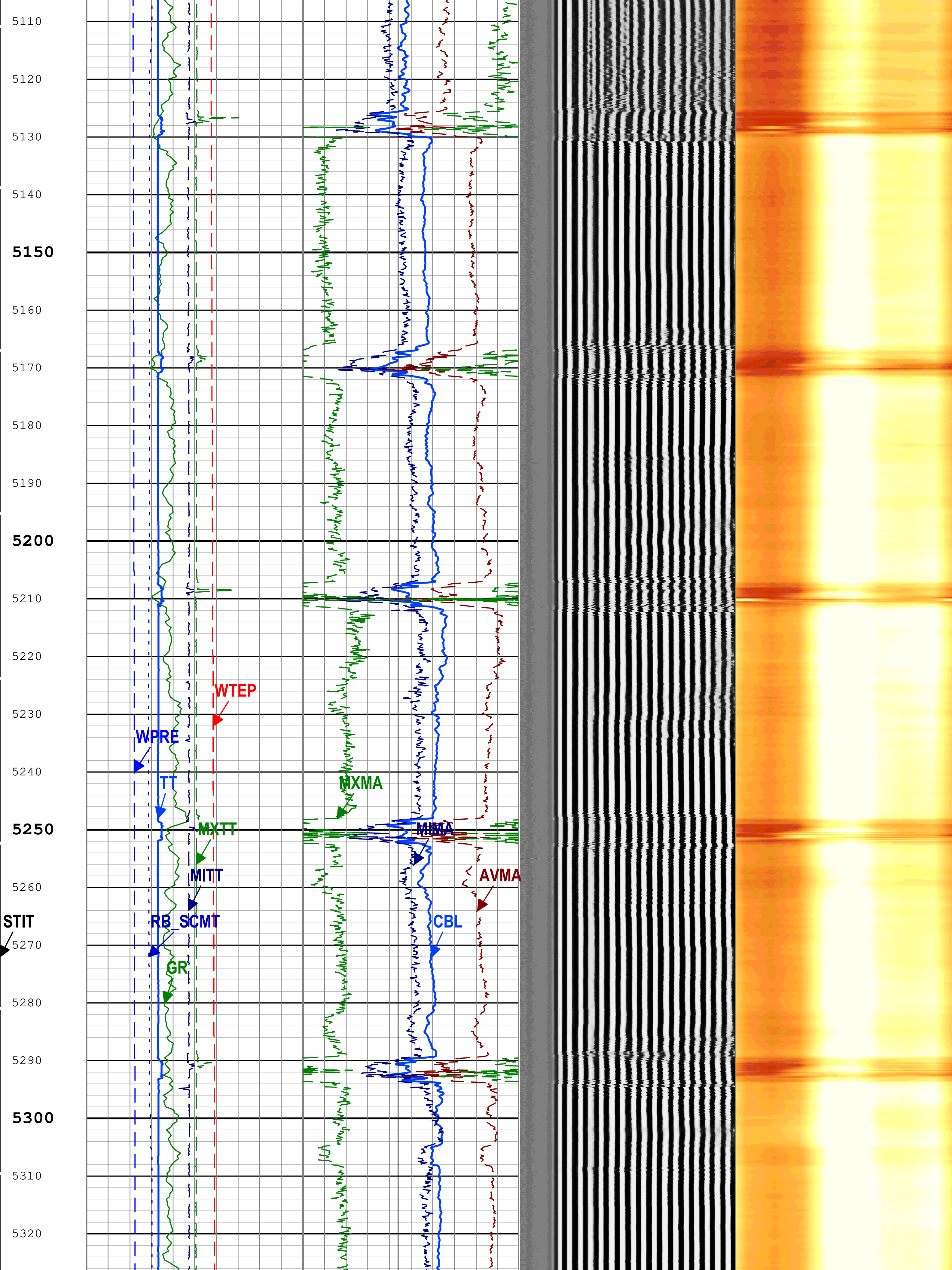
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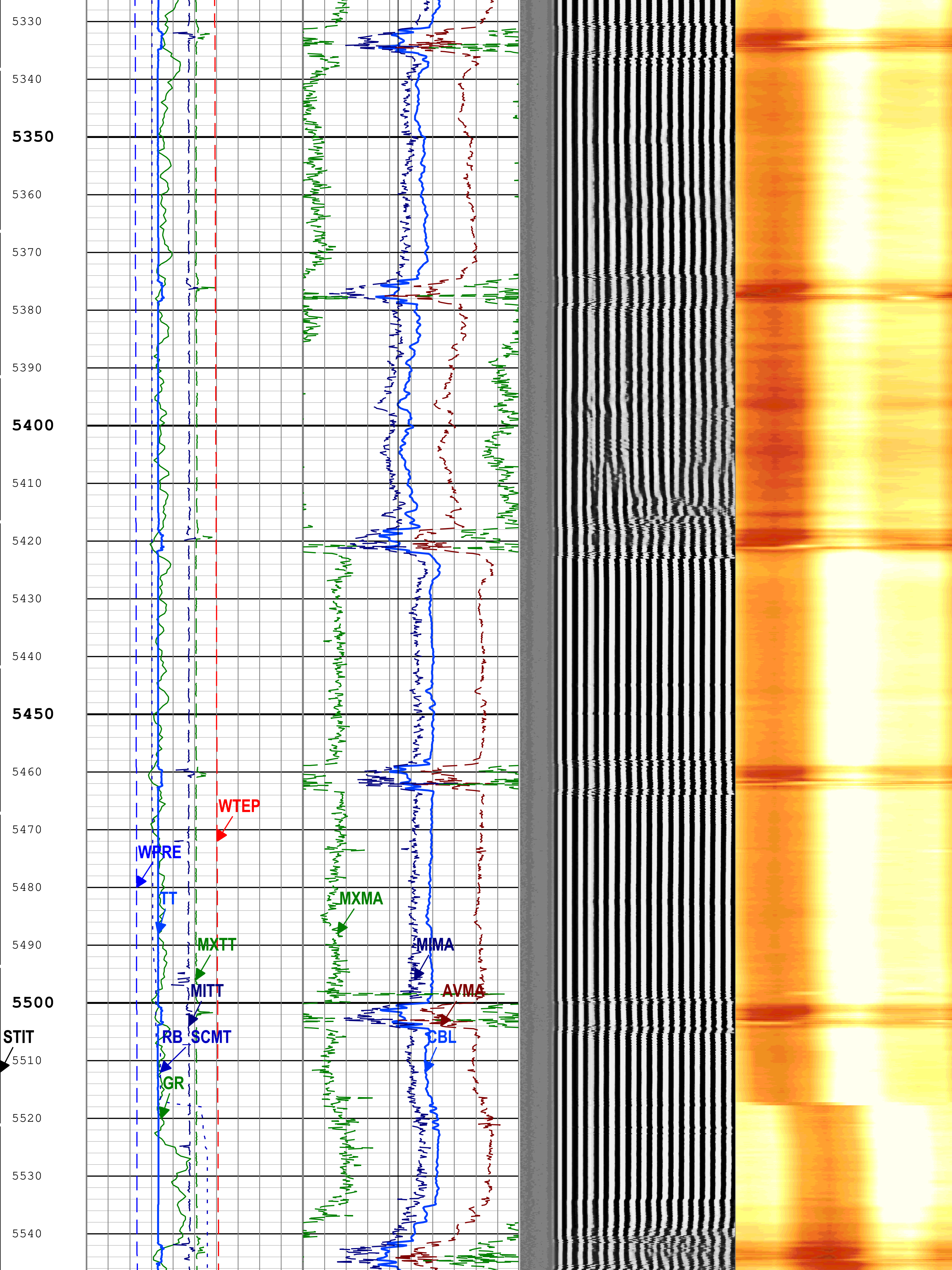

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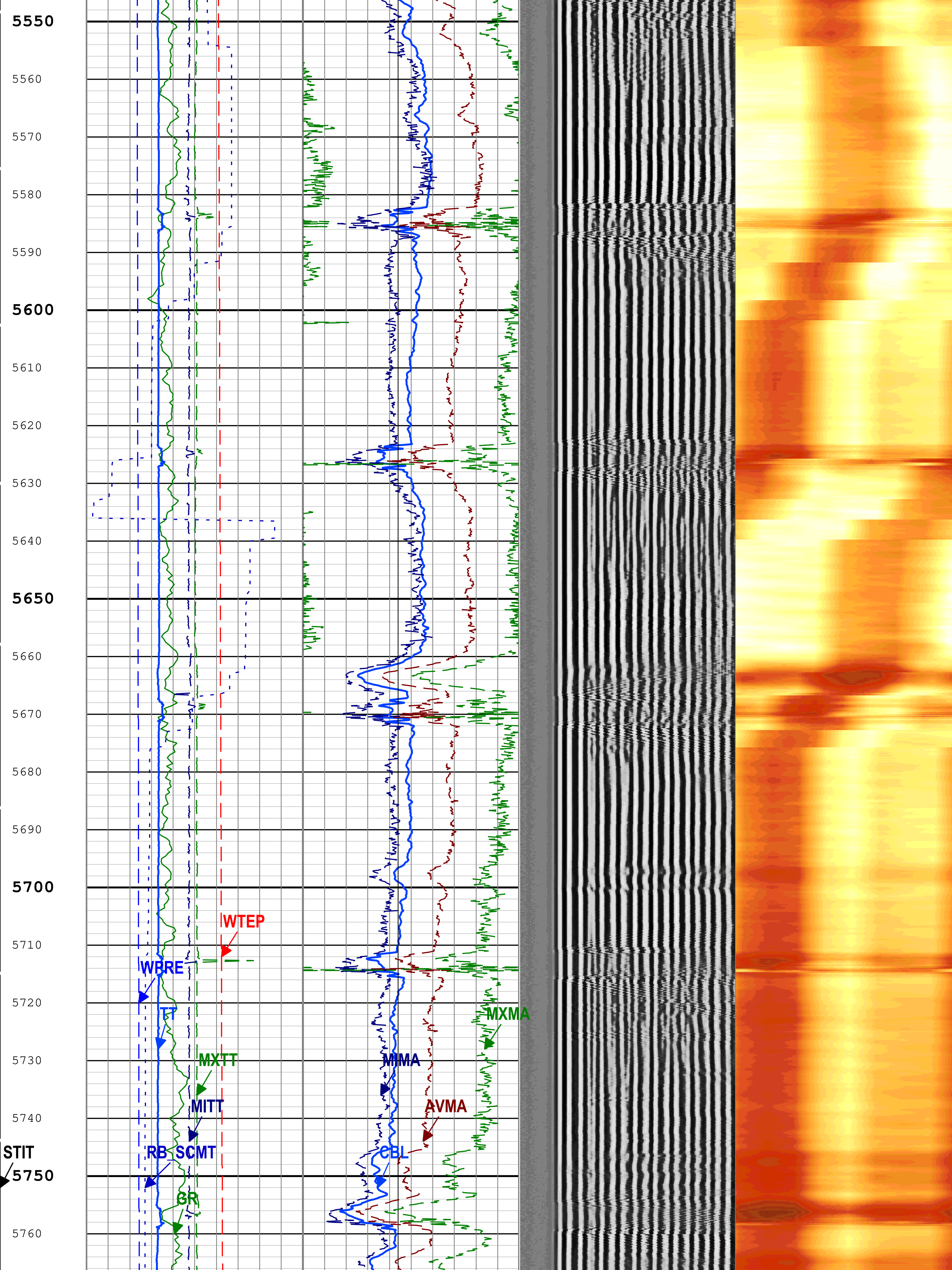

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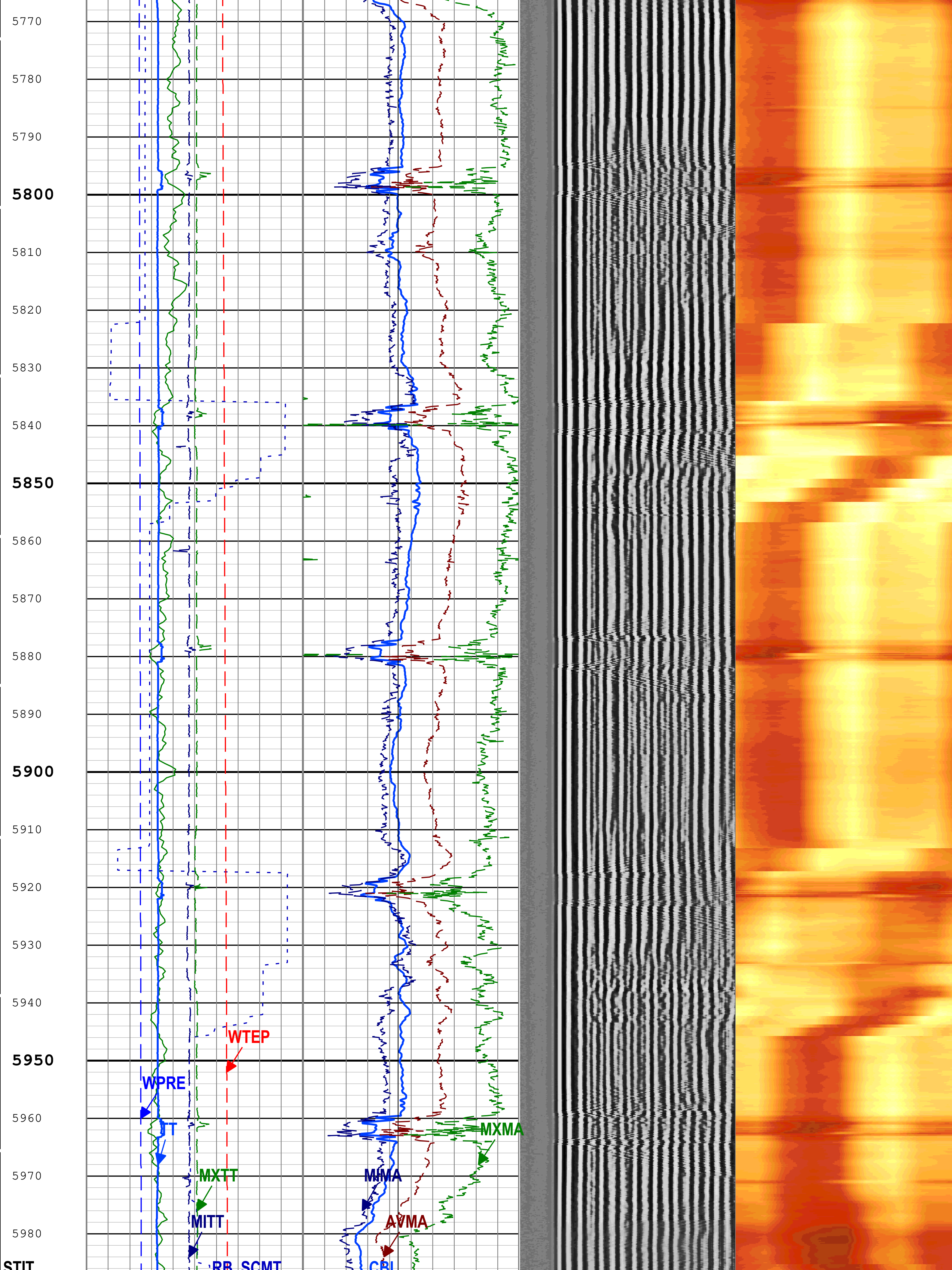

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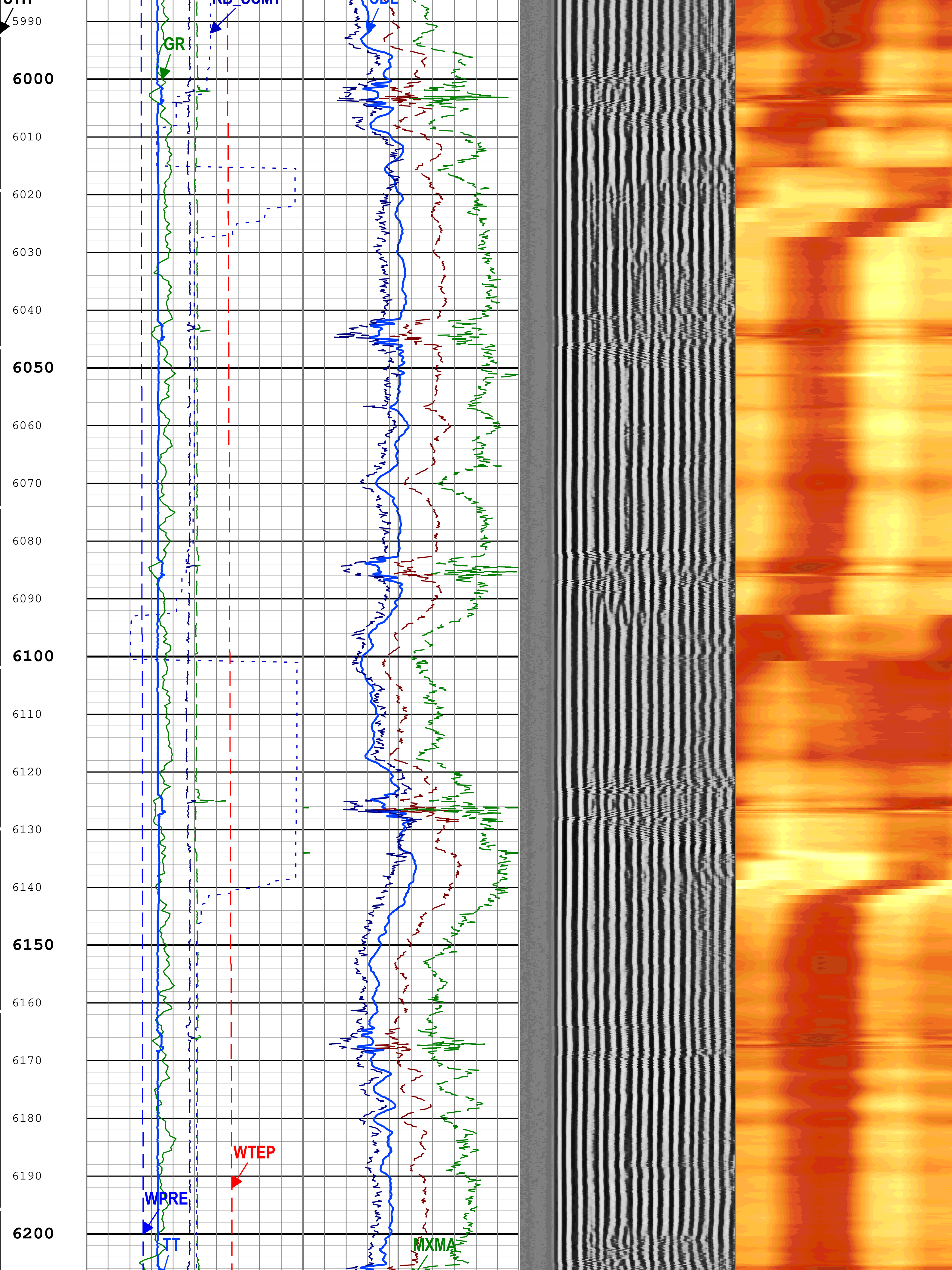

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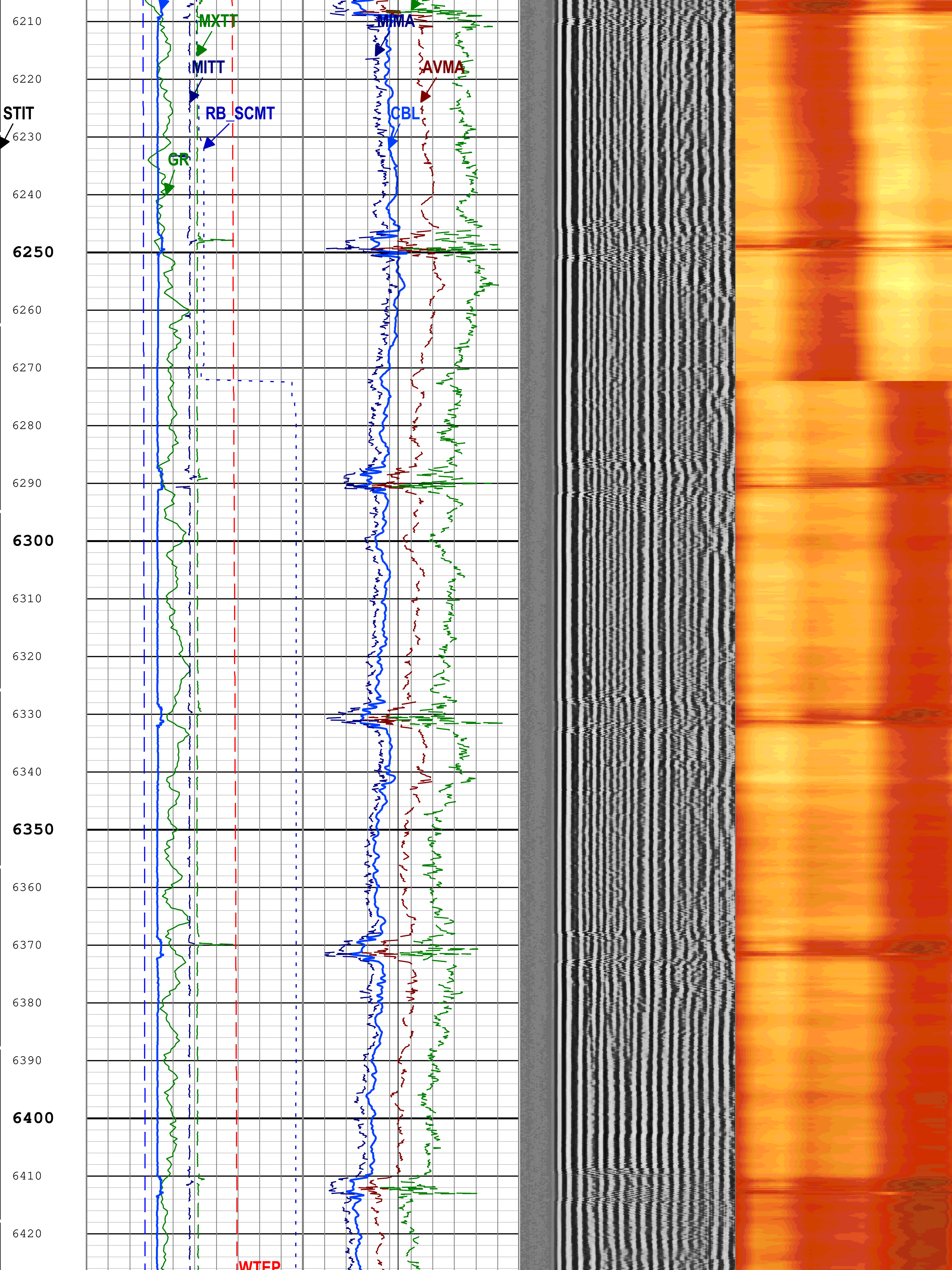
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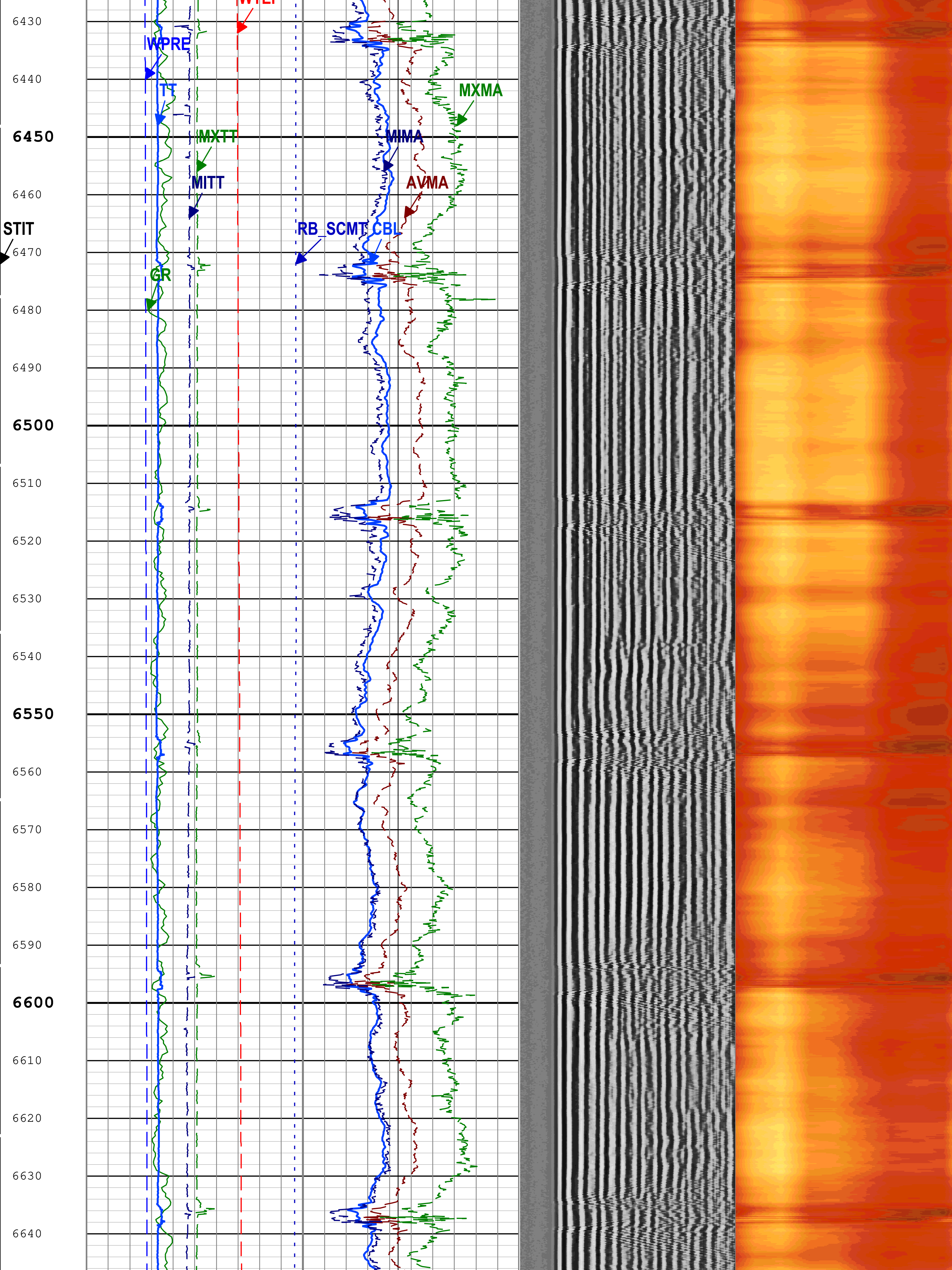
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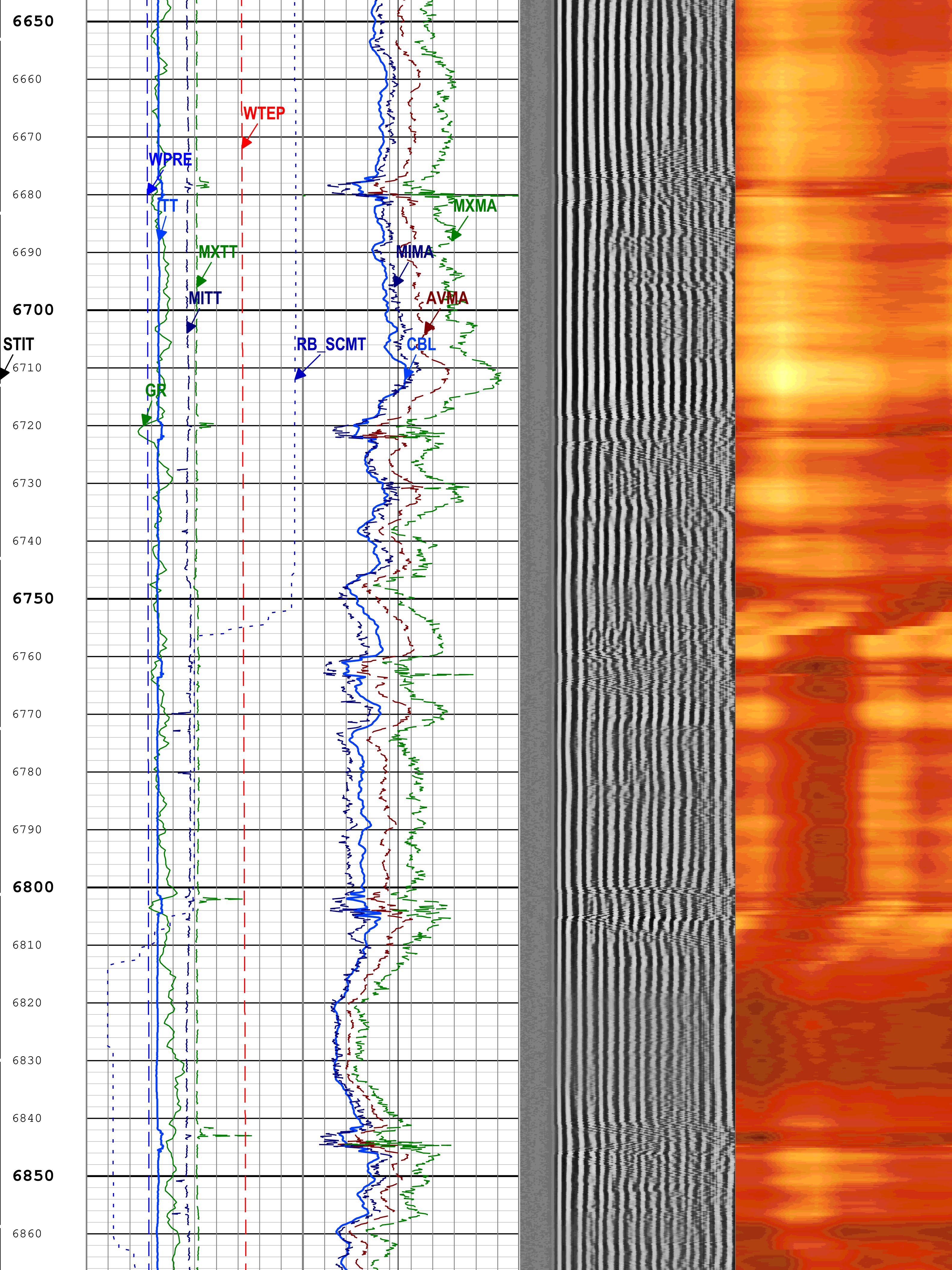
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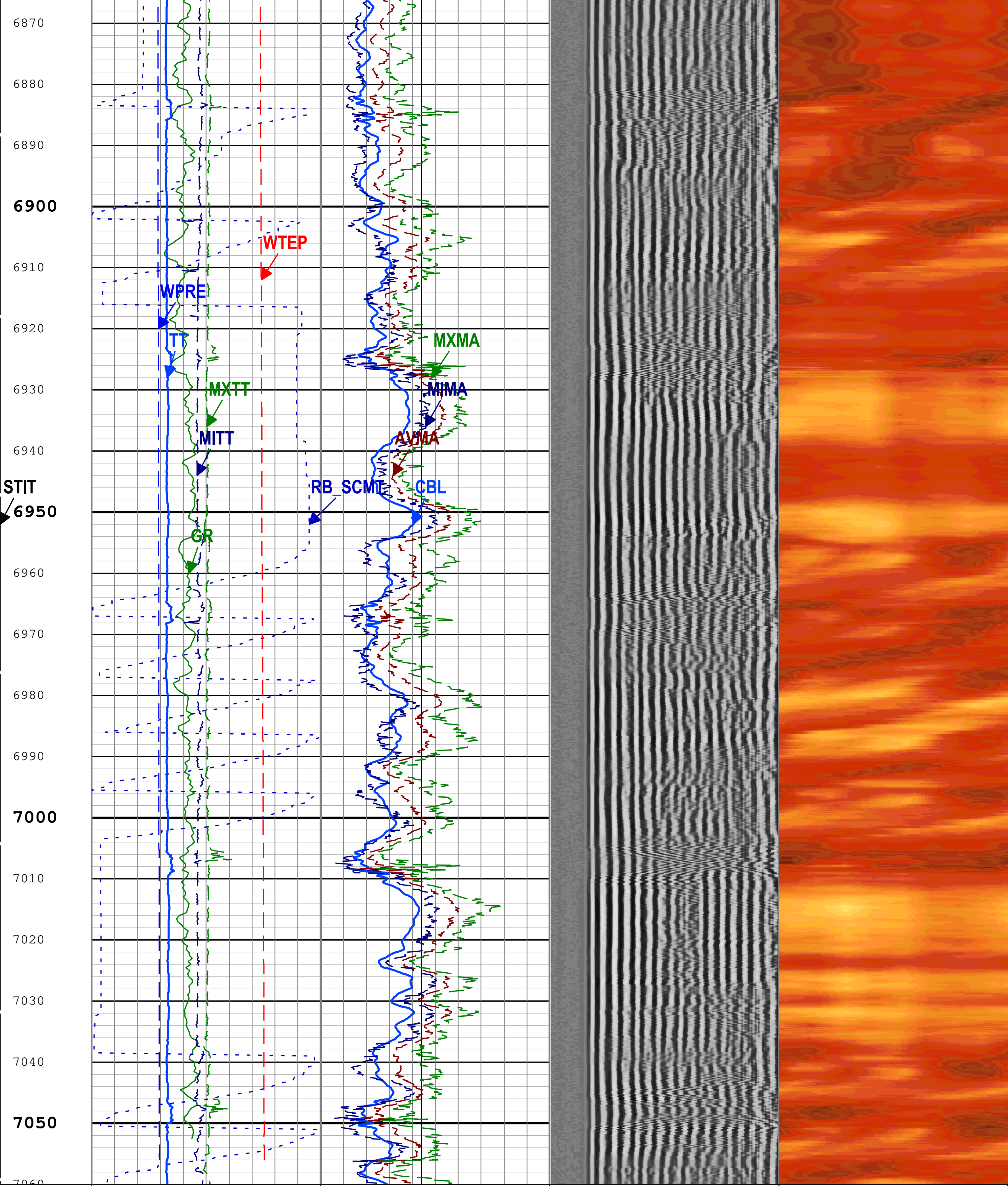


Stuck Tool Indicator, Total (STIT)	Gamma Ray (GR) PSTP-A	CBL Amplitude (CBL) SCMT-CB	Min Amplitude Max	Absent 7.500 17.500 27.500 37.500 47.500 57.500 67.500 77.500 87.500 97.500
0 ft 50	0 gAPI 150	0 mV 10	VDL VariableDensity (VDL) SCMT-CB	CBL Amplitude Mapping Image (0 - 100) SCMT-CB
Cable Drag	Relative Bearing (RB_SCMT) SCMT-CB	CBL Amplitude (CBL) SCMT-CB	200 us 1200	
	0 deg 360	0 mV 100		
		Good Bond (GOBO)		

Tool_Tot. Drag	Minimum MAP Transit Time (MITT) SCMT-CB 100 us 300	0 mV 10
	Maximum MAP Transit Time (MXTT) SCMT-CB 100 us 300	Normalized Average MAP Amplitude (AVMA) SCMT-CB 0 mV 100
	Transit Time for CBL (TT) SCMT-CB 200 us 400	Normalized Minimum MAP Amplitude (MIMA) SCMT-CB 0 mV 100
	Well Pressure (WPRE) PSTP-A 0 psi 10000	Normalized Maximum MAP Amplitude (MXMA) SCMT-CB 0 mV 100
	Well Temperature (WTEP) PSTP-A 0 degF 300	GoodBond From CBL to GOBO

TIME_1900 - Time Marked every 60.00 (s)

Description: SCMT VDL Image Format: Log (SCMT_VDL_Image) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 24-May-2019 12:58:03

Channel Processing Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	235.86	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	72	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.361	in
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	WTEP	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	SCMT-CB	178.6	us
MMSA	MAP Minimum Sonic Amplitude	SCMT-CB	10.85	mV
MSA	Minimum Sonic Amplitude	SCMT-CB	2.19	mV
RUN_SNUM	Run Sequence Number	WSDRUN	2	

Tool Control Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-CB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	

Two

Repeat Pass

Software Version

Acquisition System	Version
Maxwell 2019	9.0.106845.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include

									Parallel Data
Two	Log[2]:Up	Up	2081.31 ft	2406.10 ft	22-May-2019 5:53:23 PM	22-May-2019 6:05:18 PM	ON	5.68 ft	Yes

All depths are referenced to toolstring zero

Log Company:Crestone Peak Resources and Operating LLC Well:Echeverria 2E-2H-D267

Two: Log[2]:Up:S007

Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 24-May-2019 12:58:15

BIEP - Bond Index Event Pips SCMT-CB

TIME_1900 - Time Marked every 60.00 (s)

Cable Tension (TENS)
0 lbf 2000

Stuck Tool Indicator, Total (STIT)
0 ft 50

CBL Amplitude (CBL) SCMT-CB
0 mV 10

CBL Amplitude (CBL) SCMT-CB
0 mV 100

Gamma Ray (GR) PSTP-A
0 gAPI 150

Transit Time for CBL (TT) SCMT-CB
400 us 200

Cable Drag

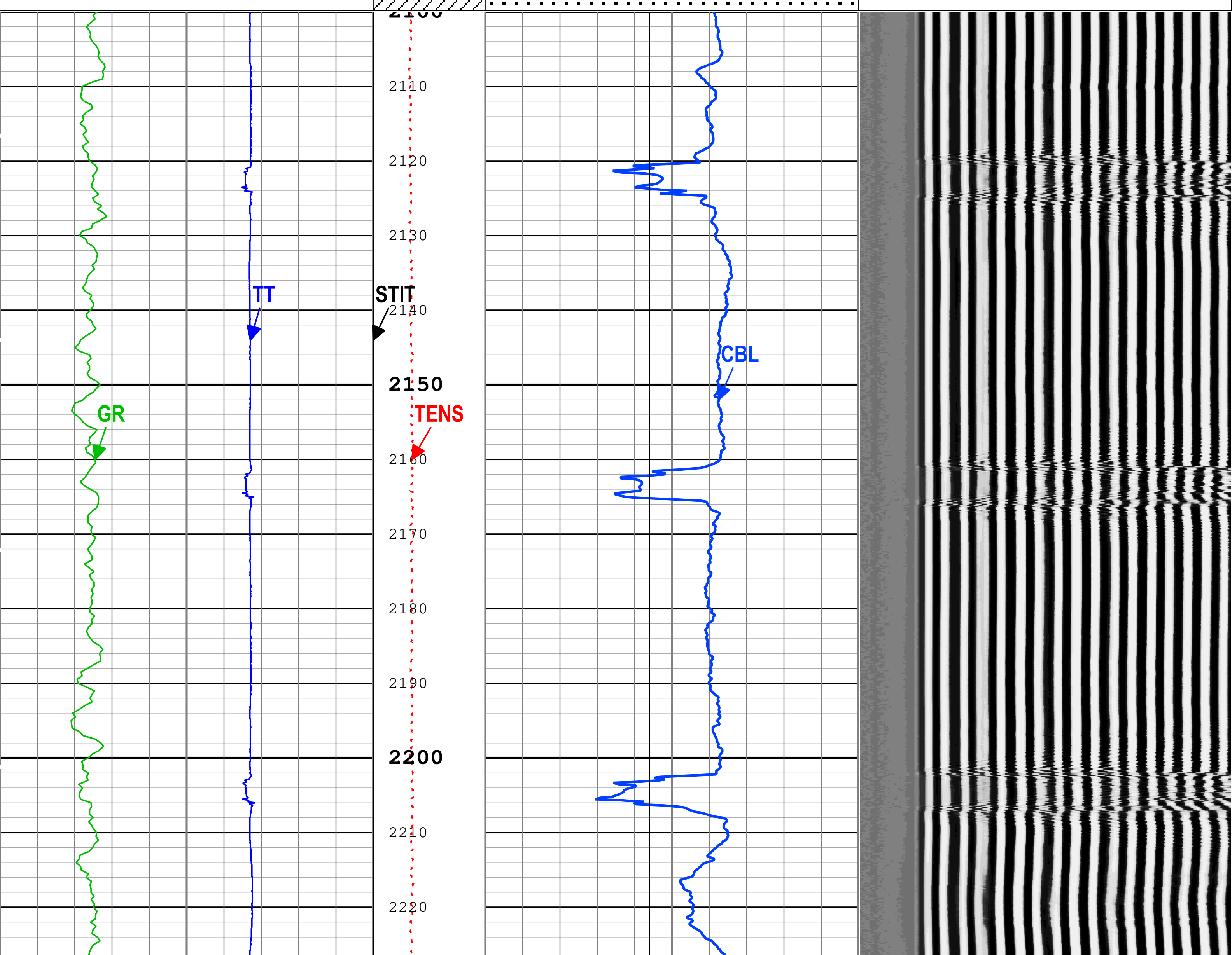
Tool_Tot. Drag

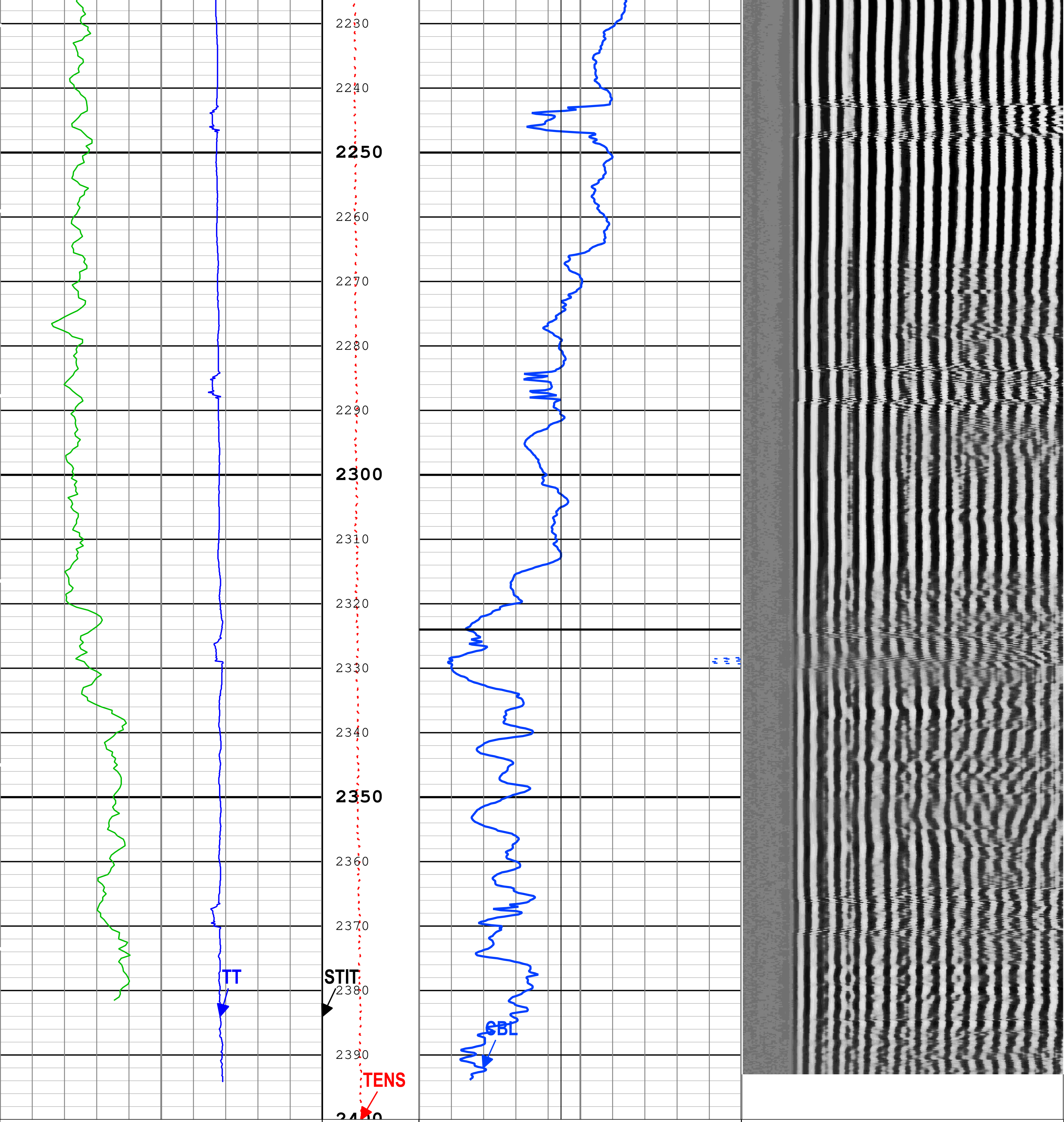
Good Bond (GOBO)
0 mV 10

GoodBond From CBL to GOBO

Min Amplitude Max

VDL VariableDensity (VDL) SCMT-CB
200 us 1200





Gamma Ray (GR) PSTP-A
0 gAPI 150

Transit Time for CBL (TT) SCMT-CB
400 us 200

Cable Tension (TENS)
0 lbf 2000

Stuck Tool Indicator, Total (STIT)
0 ft 50

Cable Drag

Tool Tot

CBL Amplitude (CBL) SCMT-CB
0 mV 10

CBL Amplitude (CBL) SCMT-CB
0 mV 100

Good Bond (GOBO)
0 mV 10

GoodBond From CBL to GOBO

Min Amplitude Max

VDL VariableDensity (VDL) SCMT-CB
200 us 1200

Tool_Tot. Drag

TIME_1900 - Time Marked every 60.00 (s)

BIEP - Bond Index Event Pips SCMT-CB

Description: Sonic CBL with VDL   Format: Log (Sonic CBL with VDL)   Index Scale: 5 in per 100 ft   Index Unit: ft   Index Type: Measured Depth   Creation Date: 24-May-2019 12:58:15

Channel Processing Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	235.86	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	72	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.361	in
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
GOBO_CURR	Good Bond in Arbitrary Cement	SCMT-CB	4.4	mV
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	WTEP	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	SCMT-CB	11.85	dB/ft
MCI	Minimum Cemented Interval for Isolation	SCMT-CB	Depth Zoned	ft
MSA	Minimum Sonic Amplitude	SCMT-CB	2.19	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	SCMT-CB	2.19	mV
RUN_SNUM	Run Sequence Number	WSDRUN	2	

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
MCI	14.81	2100	2324
MCI	4.75	2324	2400

All depth are actual.

Tool Control Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-CB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	36 dB	

Two

Repeat Pass

Software Version

Acquisition System	Version
Maxwell 2019	9.0.106845.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Two	Log[2]:Up	Up	2081.31 ft	2406.10 ft	22-May-2019 5:53:23 PM	22-May-2019 6:05:18 PM	ON	5.68 ft	Yes

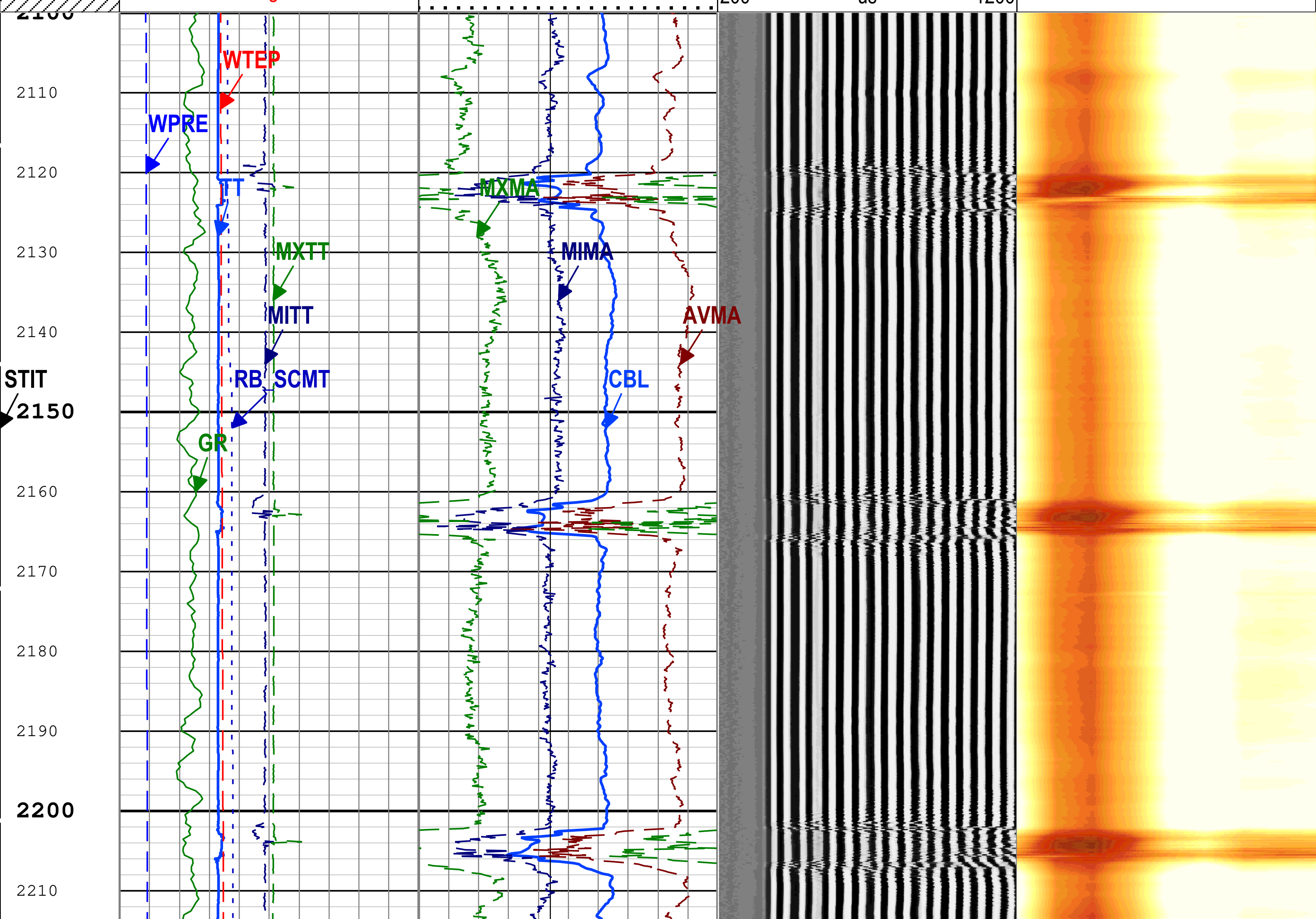
All depths are referenced to toolstring zero

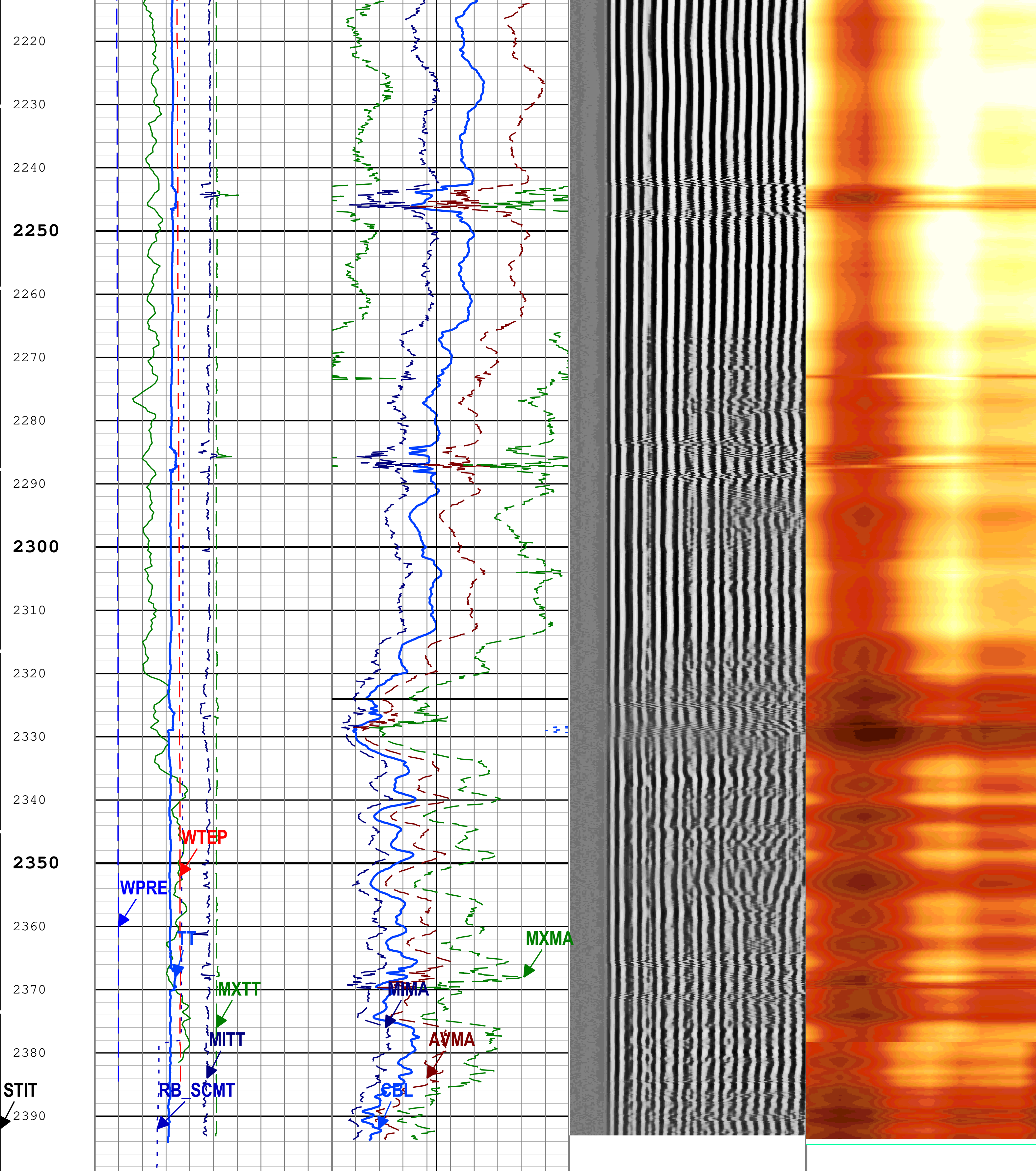
Log

Description: SCMT VDL Image   Format: Log (SCMT_VDL_Image)   Index Scale: 5 in per 100 ft   Index Unit: ft   Index Type: Measured Depth   Creation Date: 24-May-2019 12:58:17

TIME_1900 - Time Marked every 60.00 (s)

Track	Curve	Left	Unit	Right
1	Stuck Tool Indicator, Total (STIT)	0	ft	50
1	Cable Drag			
1	Tool_Tot. Drag			
2	Gamma Ray (GR) PSTP-A	0	gAPI	150
2	Relative Bearing (RB_SCMT) SCMT-CB	0	deg	360
2	Minimum MAP Transit Time (MITT) SCMT-CB	100	us	300
2	Maximum MAP Transit Time (MXTT) SCMT-CB	100	us	300
2	Transit Time for CBL (TT) SCMT-CB	200	us	400
2	Well Pressure (WPRE) PSTP-A	0	psi	10000
2	Well Temperature (WTEP) PSTP-A	0	degF	300
3	CBL Amplitude (CBL) SCMT-CB	0	mV	10
3	CBL Amplitude (CBL) SCMT-CB	0	mV	100
3	Good Bond (GOBO)	0	mV	10
3	Normalized Average MAP Amplitude (AVMA) SCMT-CB	0	mV	100
3	Normalized Minimum MAP Amplitude (MIMA) SCMT-CB	0	mV	100
3	Normalized Maximum MAP Amplitude (MXMA) SCMT-CB	0	mV	100
3	GoodBond From CBL to GOBO			
4	VDL VariableDensity (VDL) SCMT-CB (Amplitude: Min – Max)	200	us	1200
5	CBL Amplitude Mapping Image (0 - 100) SCMT-CB (Absent, 7.500, 17.500, 27.500, 37.500, 47.500, 57.500, 67.500, 77.500, 87.500, 97.500)			





Stuck Tool Indicator, Total (STIT) 0 ft 50	Gamma Ray (GR) PSTP-A 0 gAPI 150	CBL Amplitude (CBL) SCMT-CB 0 mV 10	Min Amplitude Max VDL VariableDensity (VDL) SCMT-CB 200 us 1200	Absent 7.500 17.500 27.500 37.500 47.500 57.500 67.500 77.500 87.500 97.500 CBL Amplitude Mapping Image (0 - 100) SCMT-CB
Cable Drag	Relative Bearing (RB_SCMT) SCMT-CB 0 deg 360	CBL Amplitude (CBL) SCMT-CB 0 mV 100		
Tool_Tot. Drag	Minimum MAP Transit Time (MITT) SCMT-CB	Good Bond (GOBO) 0 mV 10		
		Normalized Average MAP		

100	us	300
Maximum MAP Transit Time (MXTT) SCMT-CB		
100	us	300
Transit Time for CBL (TT) SCMT-CB		
200	us	400
Well Pressure (WPRE) PSTP-A		
0	psi	10000
Well Temperature (WTEP) PSTP-A		
0	degF	300

Amplitude (AVMA) SCMT-CB		
0	mV	100
Normalized Minimum MAP Amplitude (MIMA) SCMT-CB		
0	mV	100
Normalized Maximum MAP Amplitude (MXMA) SCMT-CB		
0	mV	100
GoodBond From CBL to GOBO		

TIME_1900 - Time Marked every 60.00 (s)

Description: SCMT VDL Image Format: Log (SCMT_VDL_Image) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 24-May-2019 12:58:17

Channel Processing Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
BHT	Bottom Hole Temperature	Borehole	212	degF
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	SCMT-CB	235.86	us
CBLG	CBL Gate Width	SCMT-CB	40	us
CBRA	CBL LQC Reference Amplitude in Free Pipe	SCMT-CB	72	mV
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.361	in
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	WTEP	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	SCMT-CB	178.6	us
MMSA	MAP Minimum Sonic Amplitude	SCMT-CB	10.85	mV
MSA	Minimum Sonic Amplitude	SCMT-CB	2.19	mV
RUN_SNUM	Run Sequence Number	WSDRUN	2	

Tool Control Parameters

Two: Parameters

Parameter	Description	Tool	Value	Unit
CMTM	SCMT Operating Mode	SCMT-CB	Log	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h
PCCG	PSP Downhole CCL Gain	PSTP-A	36 dB	

Well: Echeverria 2E-2H-D267

Field: Wattenberg

County: Weld

State: Colorado

Slim Cement Mapping Tool

Cement Evaluation

Gamma Ray - CCL Log