



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: 14384	Company Well Field County	CONOCOPHILLIPS NPM #CP07A-05 A05 596 NORTH PARACHUTE MESA GARFIELD	State COLORADO
API No: 02-046-14333	Location SHL: 480' R/L & 528' FEL NE NE B/L: 1690' R/L & 1690' FEL SE NE SEC 5 TWP 5S RGE 98E		Other Services PPM 3.825" GAUGE
VER: 5.3	Permanent Datum Log Measured From Drill Measured From		Elevations KB B418 DF B417 GL B402
G.L. _____ Elevation 8402 K.B. _____ 18 Above P. D. K.B. _____			

Date	06-FEB-2008	
Run	ONE	
Service Order	547258	
Depth Driller	10861	
Depth Logger	10770	
Bottom Logged Interval	10770	
Top Logged Interval	6950	
Time Started	09:30	
Time Finished	13:30	
Operator Rig Time	4 HRS	
Type of Fluid in Hole	WATER	
Fluid Density	N/A	
Salinity	N/A	
Fluid Level	PULL	
Logged Cement Top	8330	
Wellhead Pressure	0	
Maximum Hole Deviation	N/A	
Nominal Logging Speed	40	
Maximum Recorded Temperature	275	
Reference Log	BY/GRAQ-DEN	
Reference Log Date	26-DEC-07	
Equipment No.	8054	GRAND JCT, CO
Recorded By	TIM KAULT	
Witnessed By	MR. DON CARLSON	

In making interpretations of logs, our employees will give the customer the benefit of their best judgement. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Borehole Record		
Bit Size	From	To
6.125		

Casing Record				
Size	Weight	Grade	From	To
4.5	15.1	P-110	SURFACE	10804

Remarks
THE CREW OF 8054 THANKS YOU.

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	MANDRAL	1426XA	10124056	CENTRALIZED
1	1	GAMMA RAY	2450XA	10124120	CENTRALIZED

MAIN SECTION

SECONDARY PRESENTATION

0 # PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	314.263	usec	3346.250	10799.000
RAL	Amp Gate Start Near	197.754	usec	3346.250	10799.000
RAL	Amp Gate Start Radial	197.754	usec	3346.250	10799.000
RAL	Amp Gate Width Far	25.000	usec	3346.250	10799.000
RAL	Amp Gate Width Near	25.000	usec	3346.250	10799.000
RAL	Amp Gate Width Radial	25.000	usec	3346.250	10799.000
RAL	casing od	4.500	inches	3346.250	10799.000
RAL	casing wt	15.100	lbm/ft	3346.250	10799.000
RAL	FB Start Far	289.263	usec	3346.250	10799.000
RAL	FB Start Near	172.754	usec	3346.250	10799.000
RAL	FB Start Radial	172.754	usec	3346.250	10799.000
RAL	FB Thresh Far	15.000	mv	3346.250	10799.000
RAL	FB Thresh Near	10.000	mv	3346.250	10799.000
RAL	FB Thresh Radial	10.000	mv	3346.250	10799.000
RAL	Fluid Travel Time	200.000	usec/ft	3346.250	10799.664

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-15.360	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-14.360	AFAR	SIG	TT5			
1426XA	-7.250	CCL					
1426XA	-5.390	GR					
1426XA	0.000	NEU					

Created by : RAL, v4.8.007

Plotted by : PlotMgr, v5.4.504

Company : ODOMOPHILLIPS

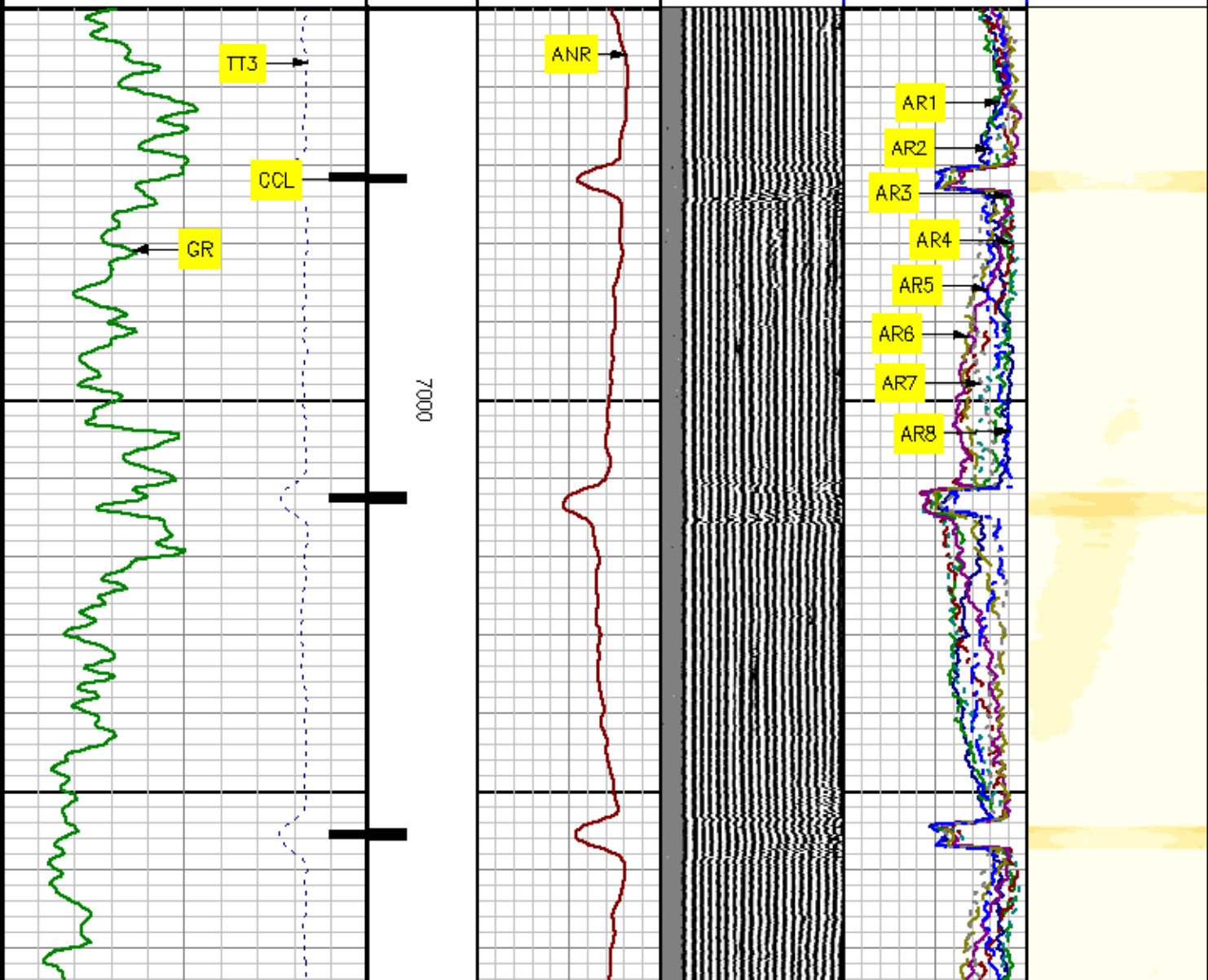
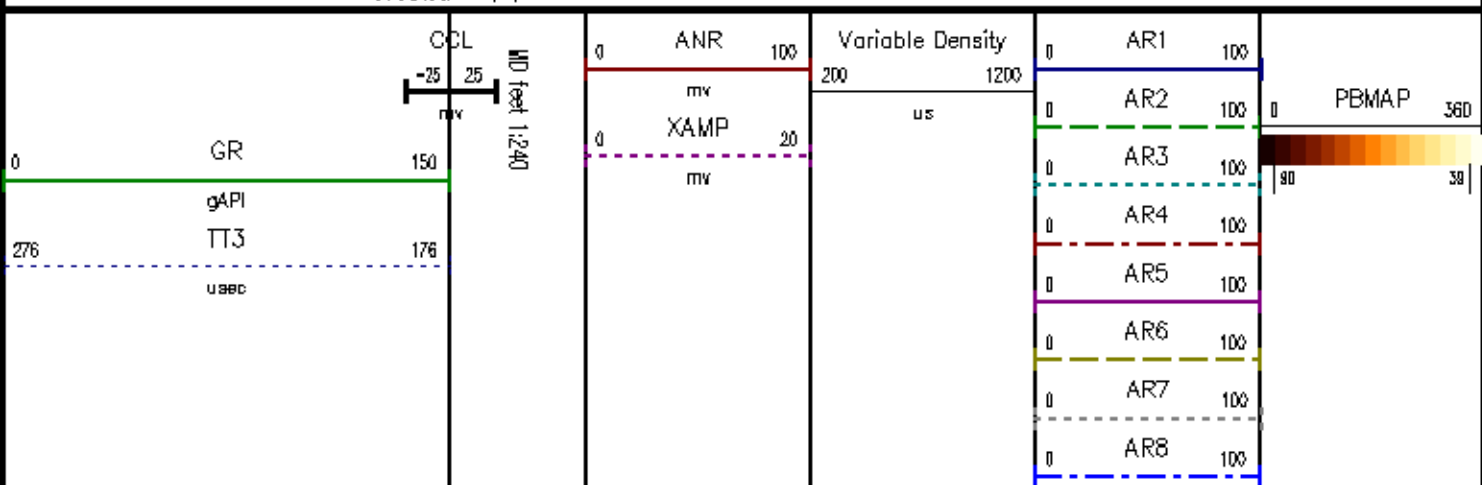
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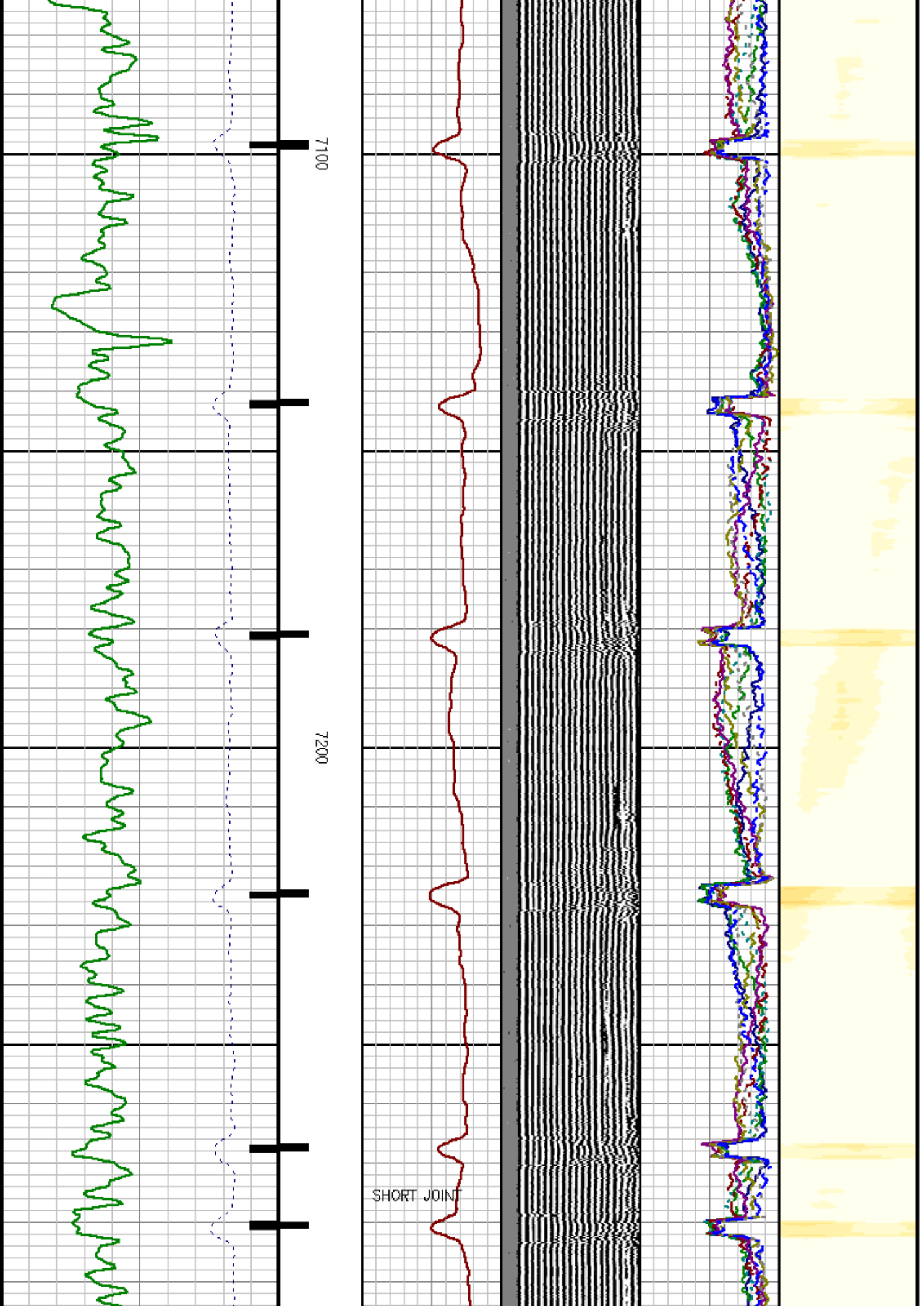
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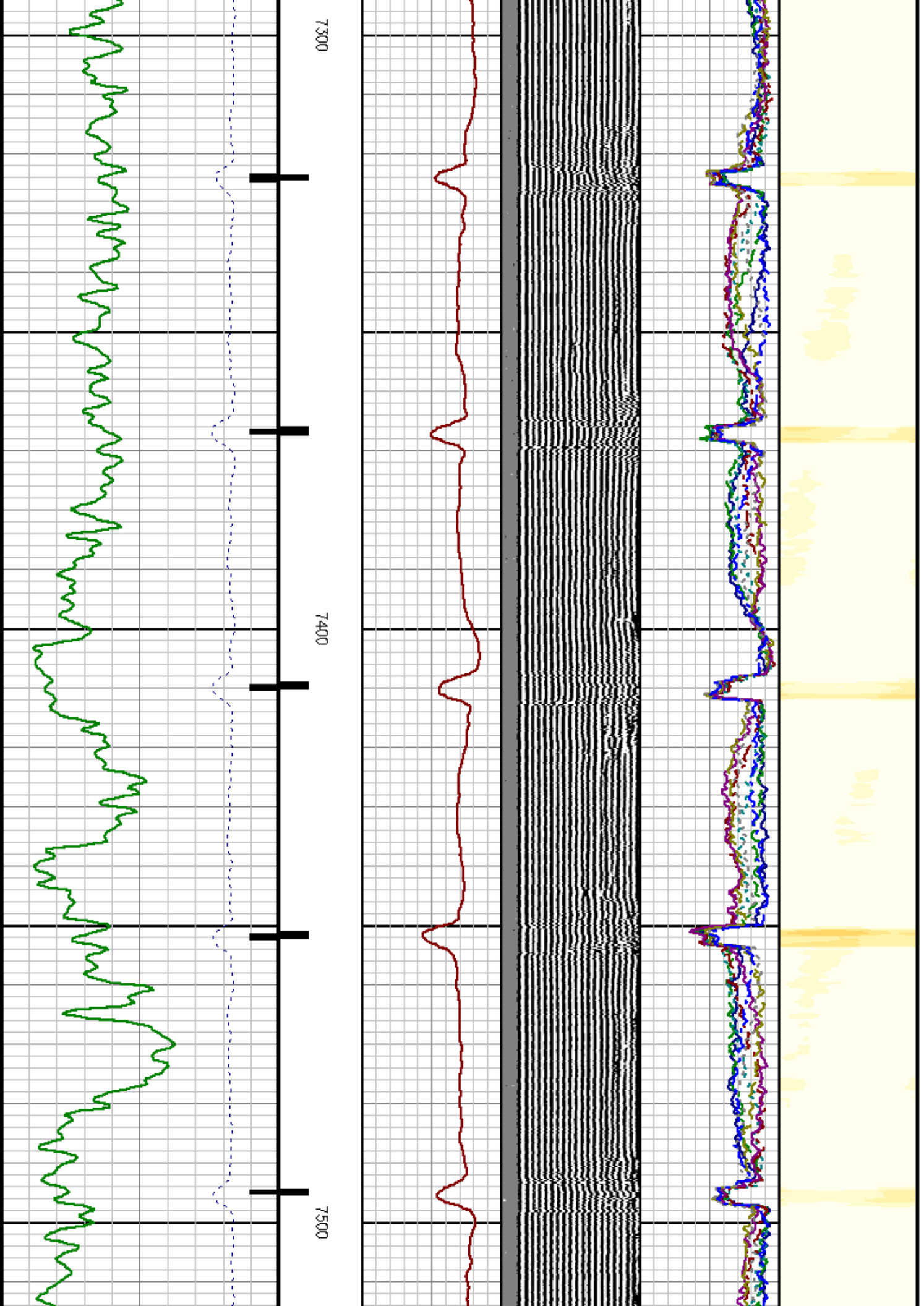
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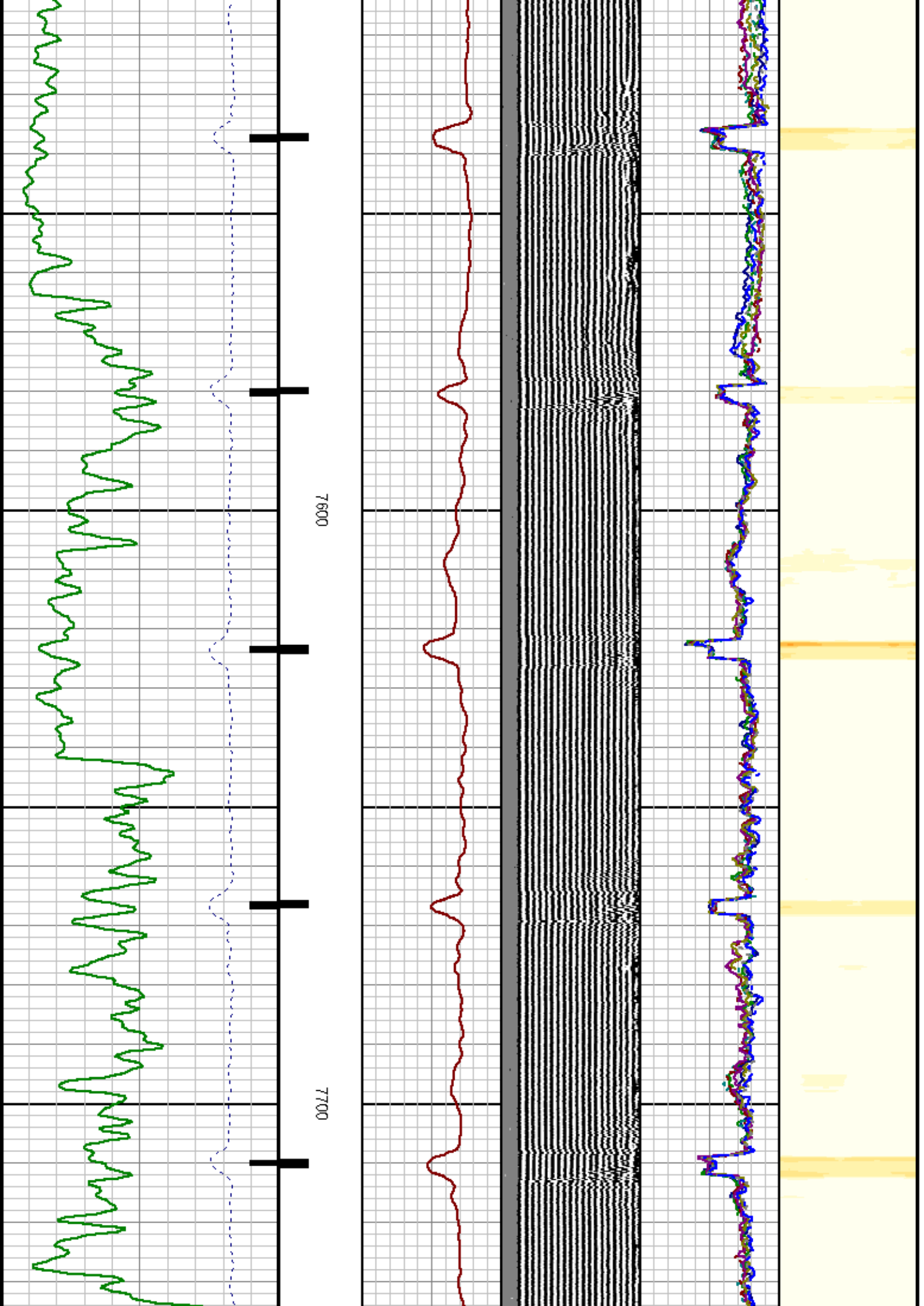
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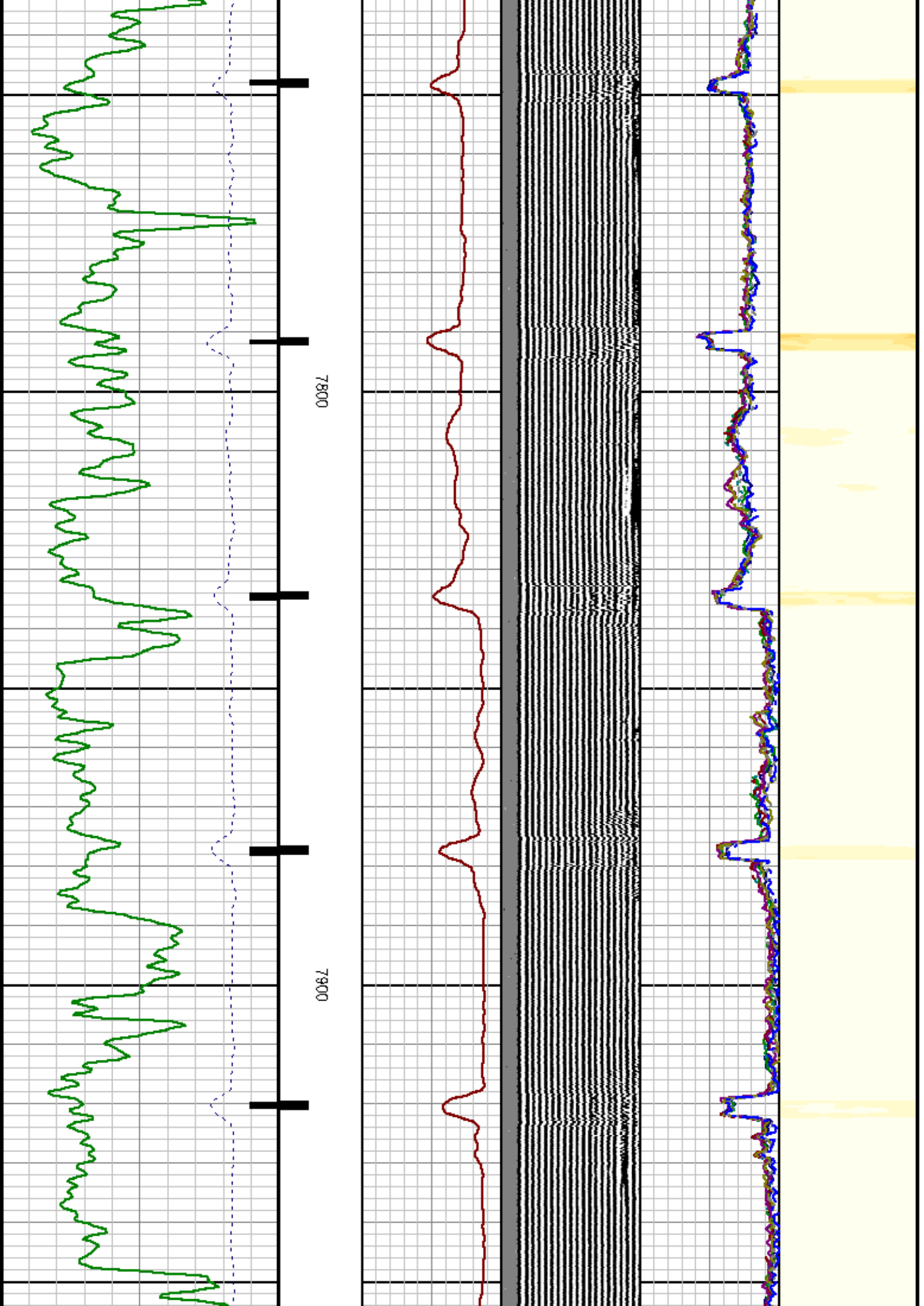
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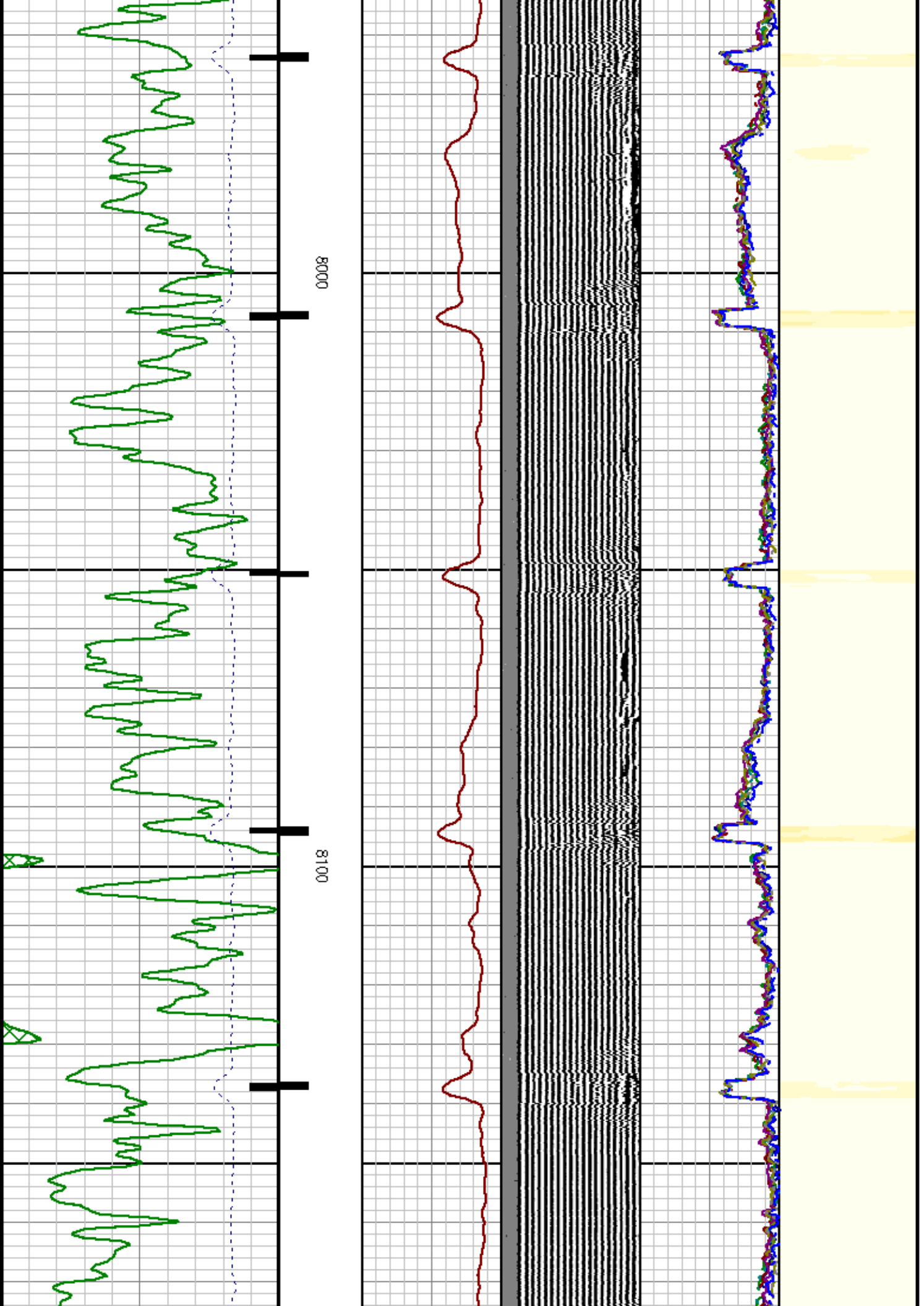


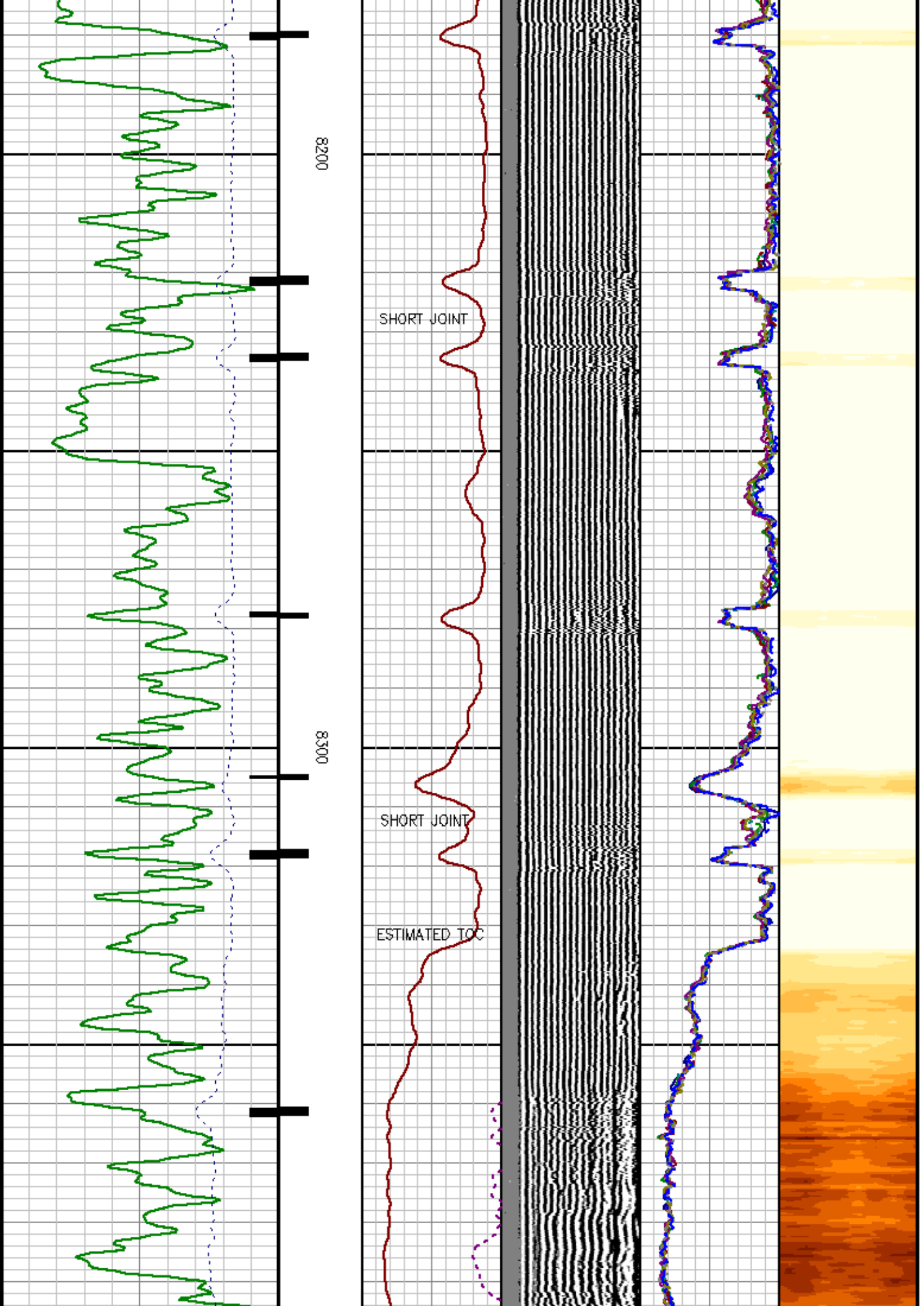


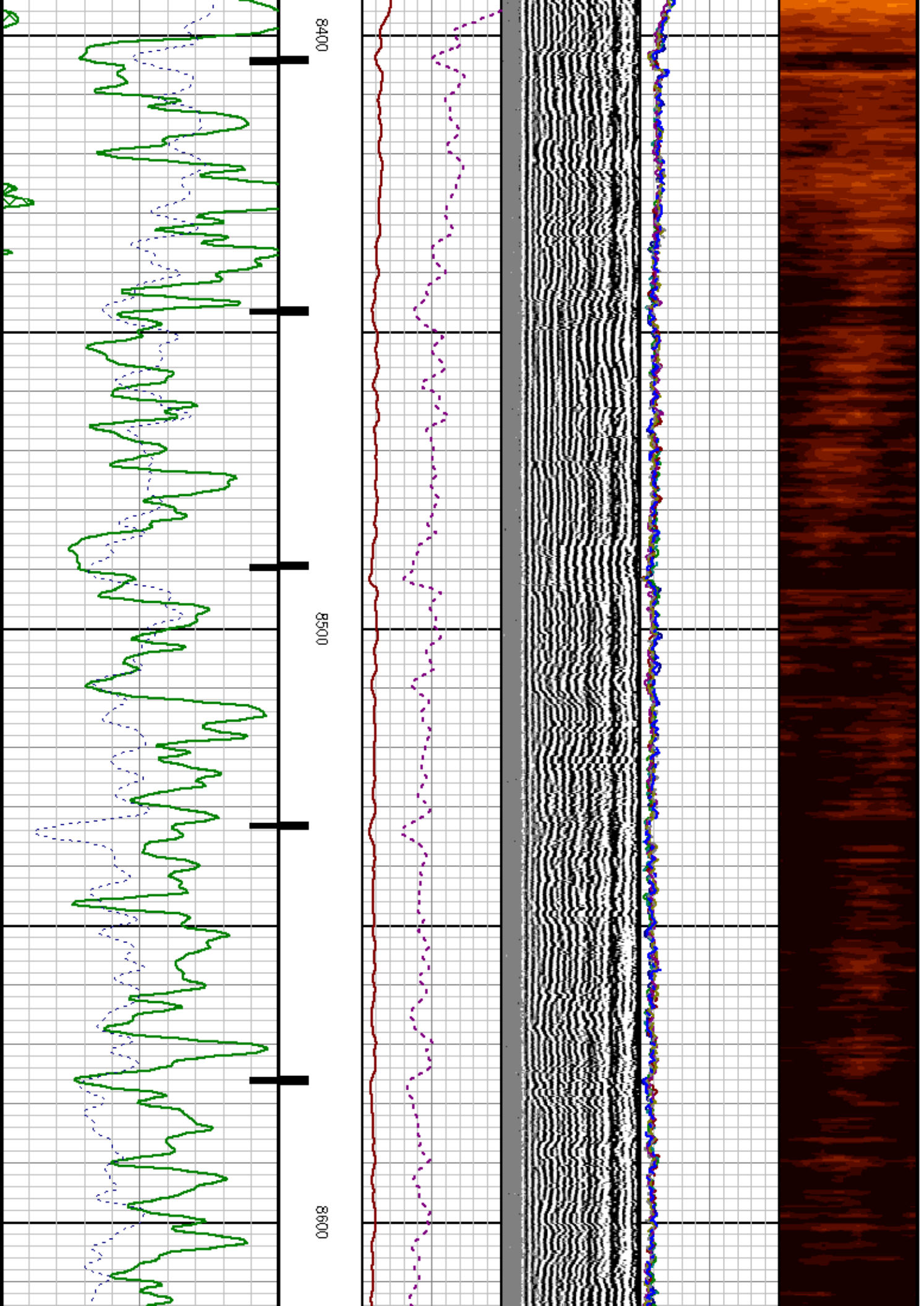


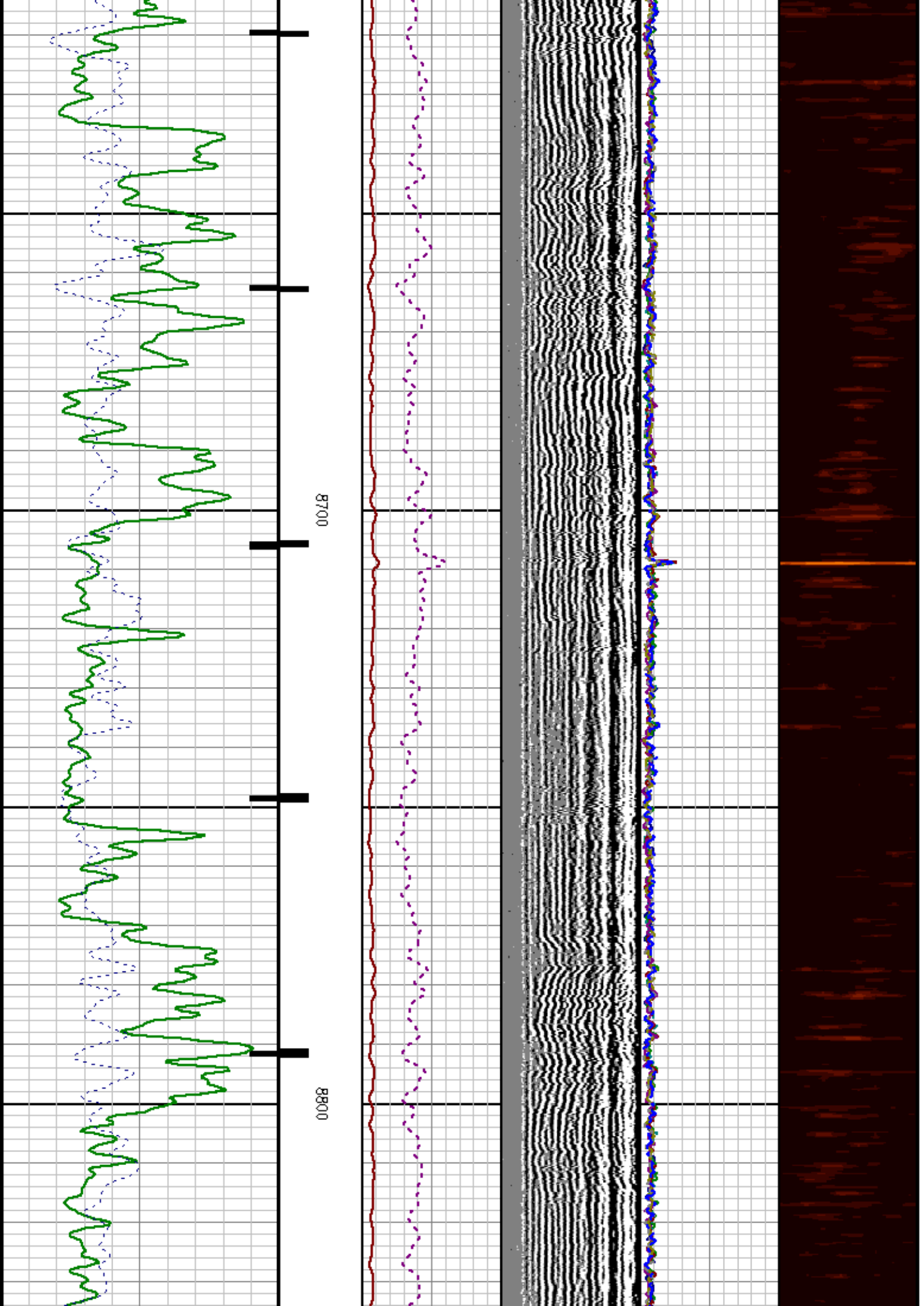


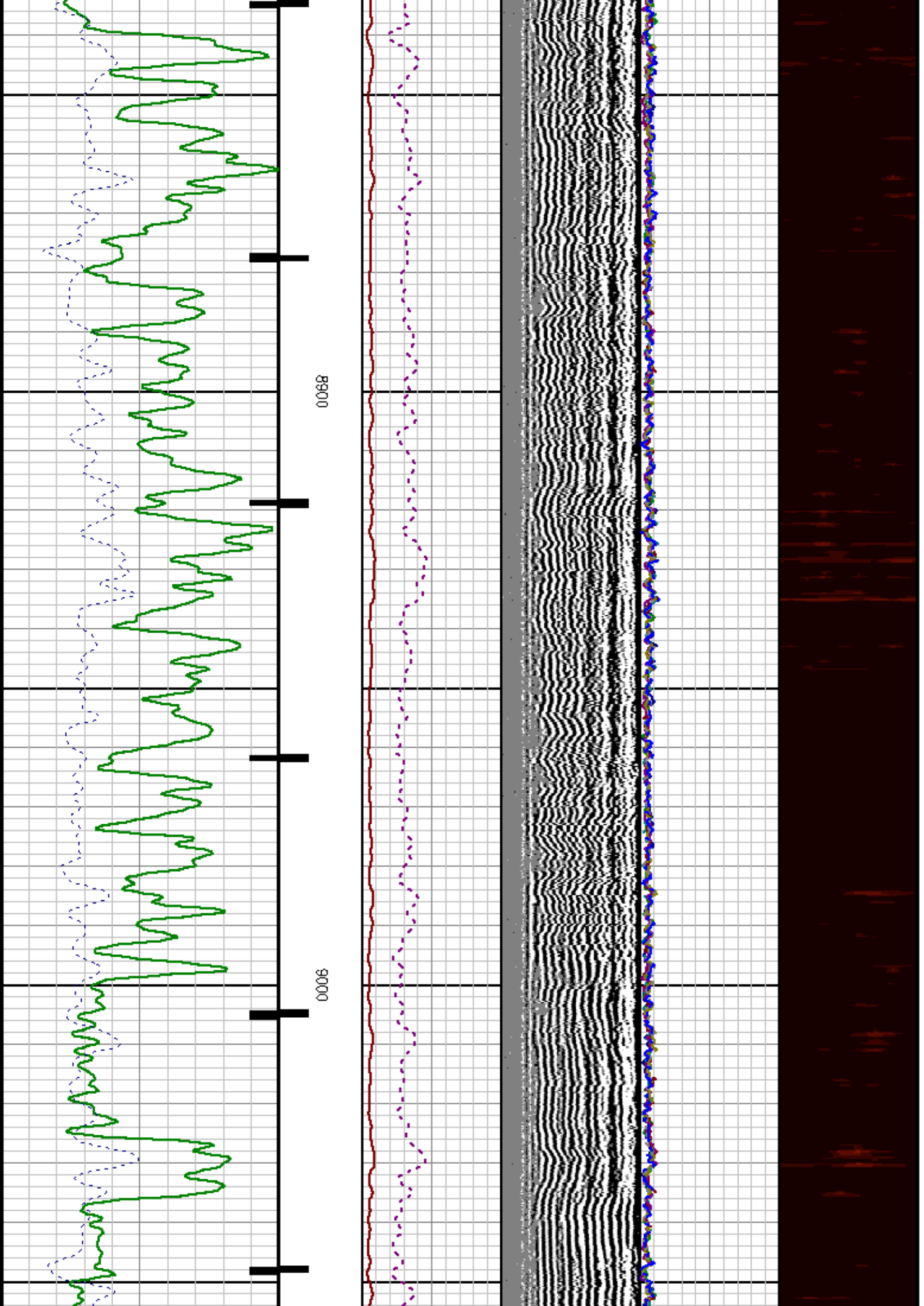


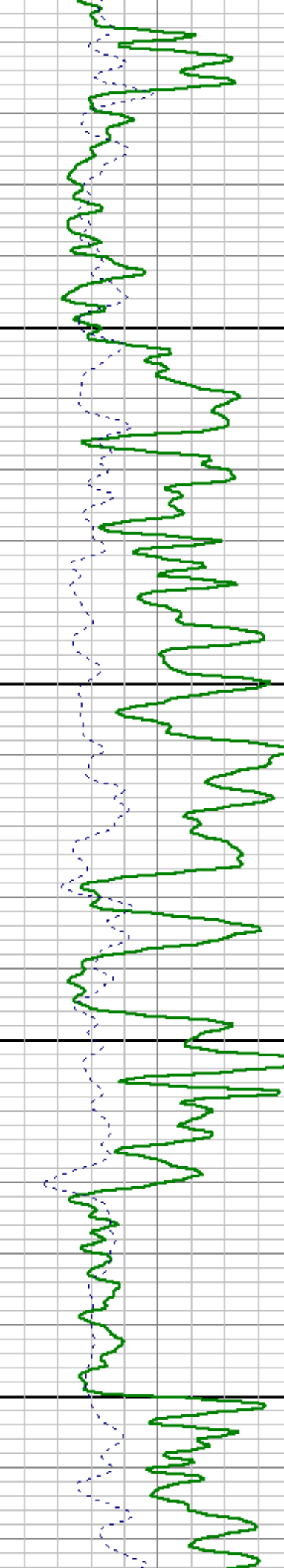
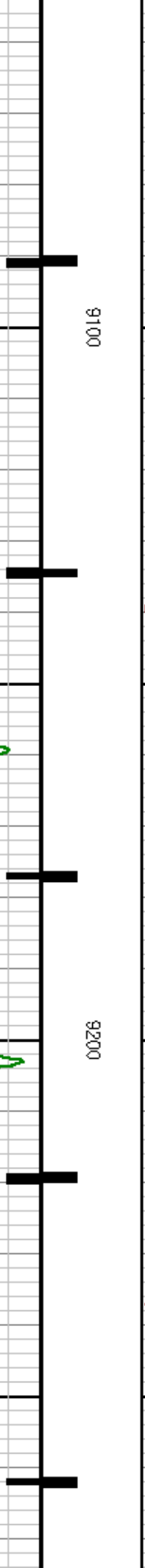
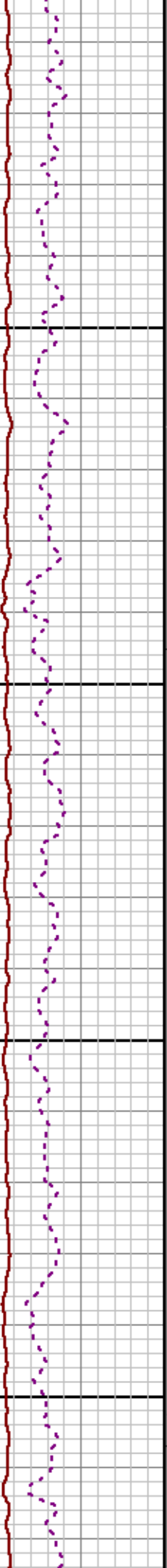
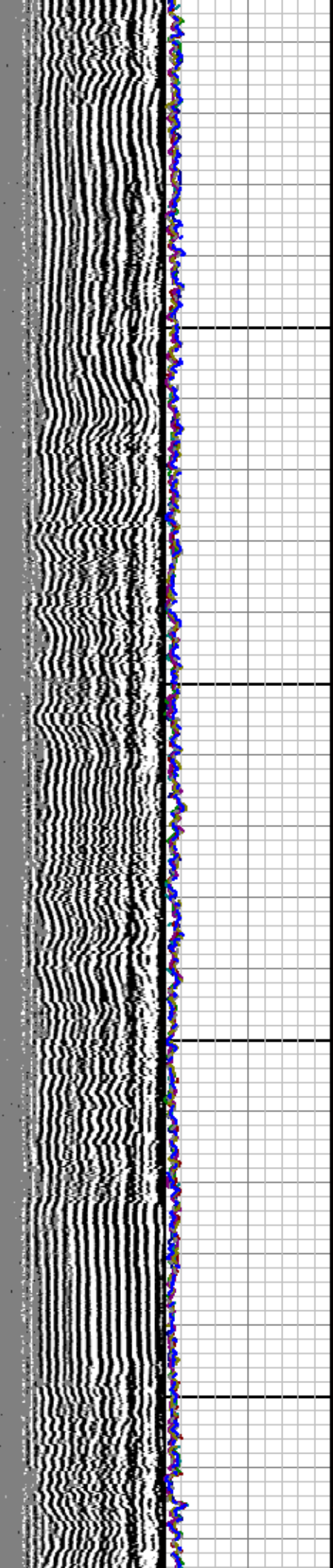
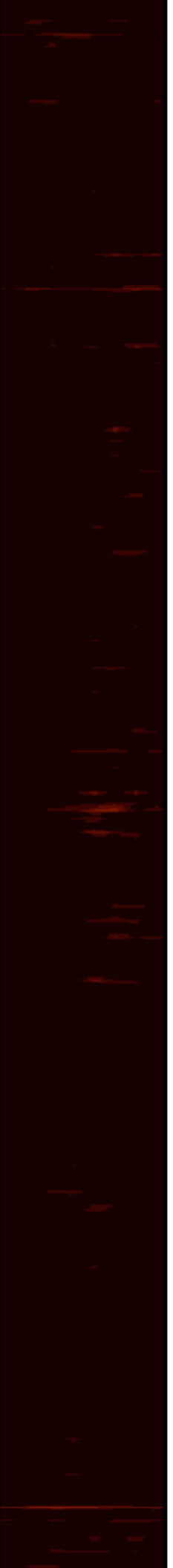


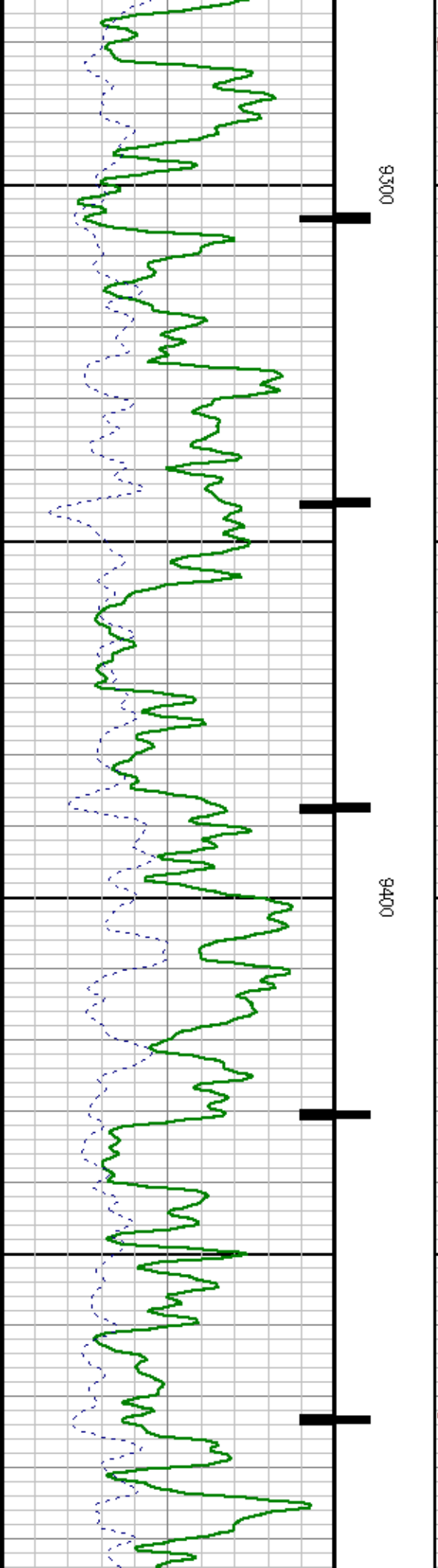
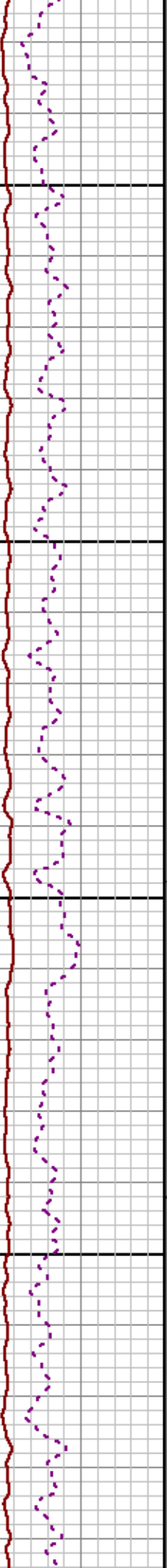
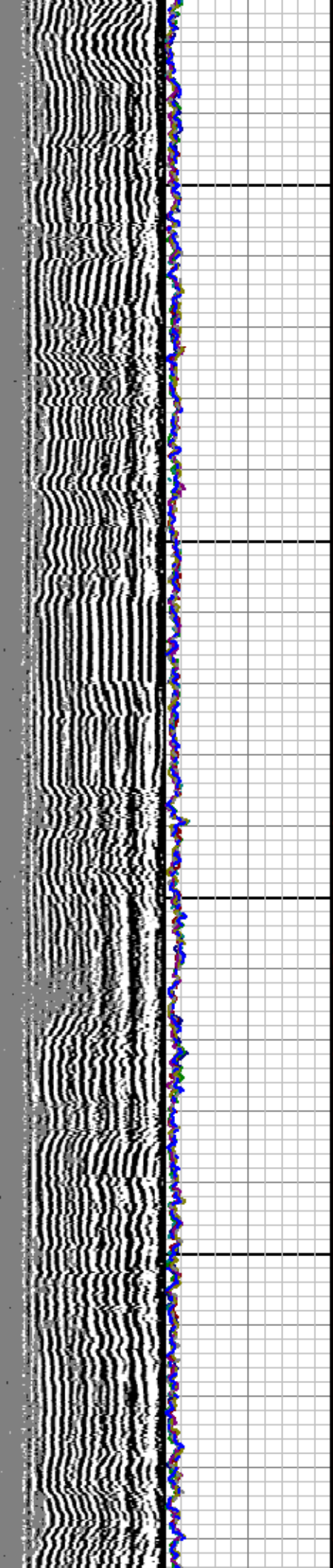


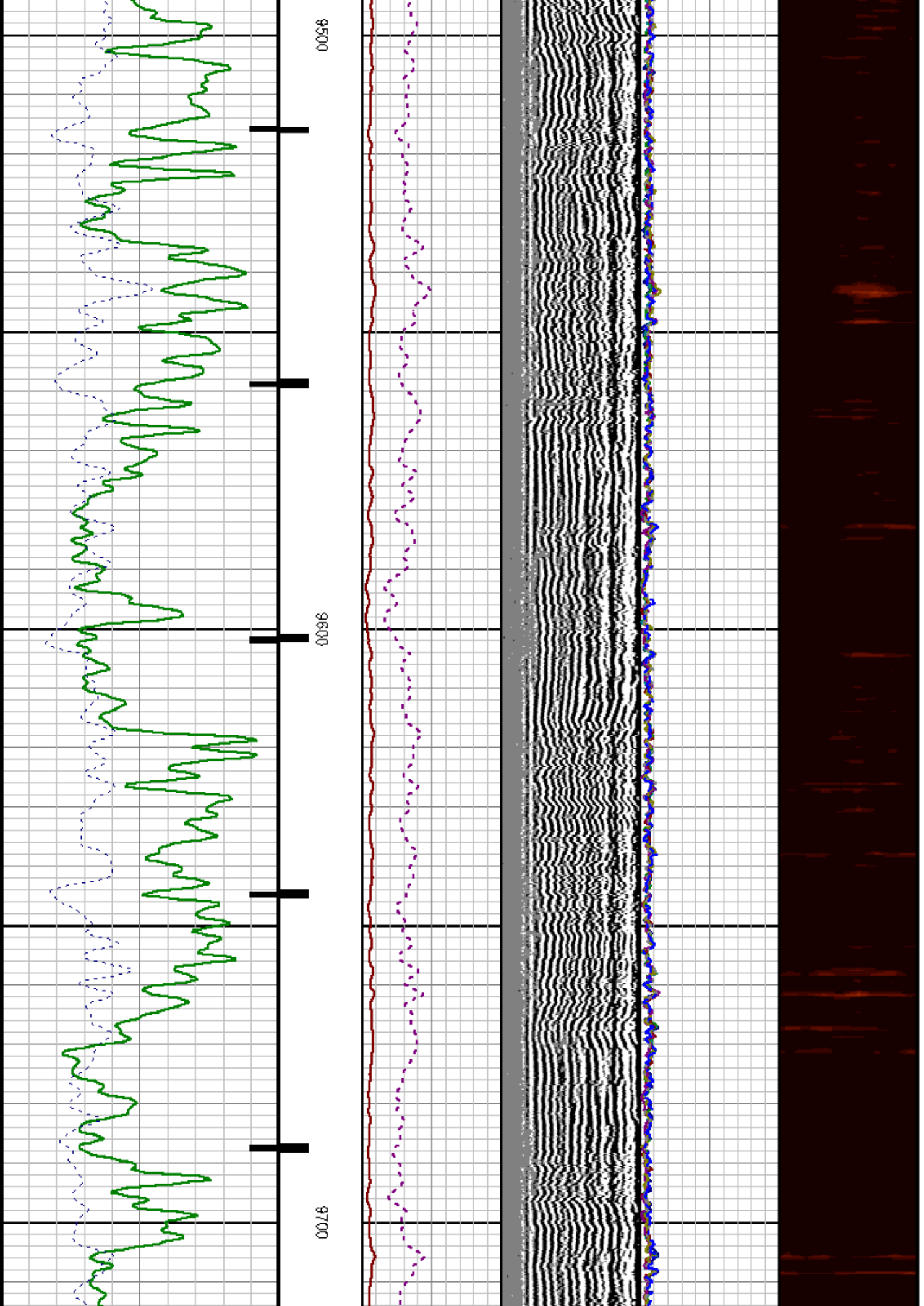


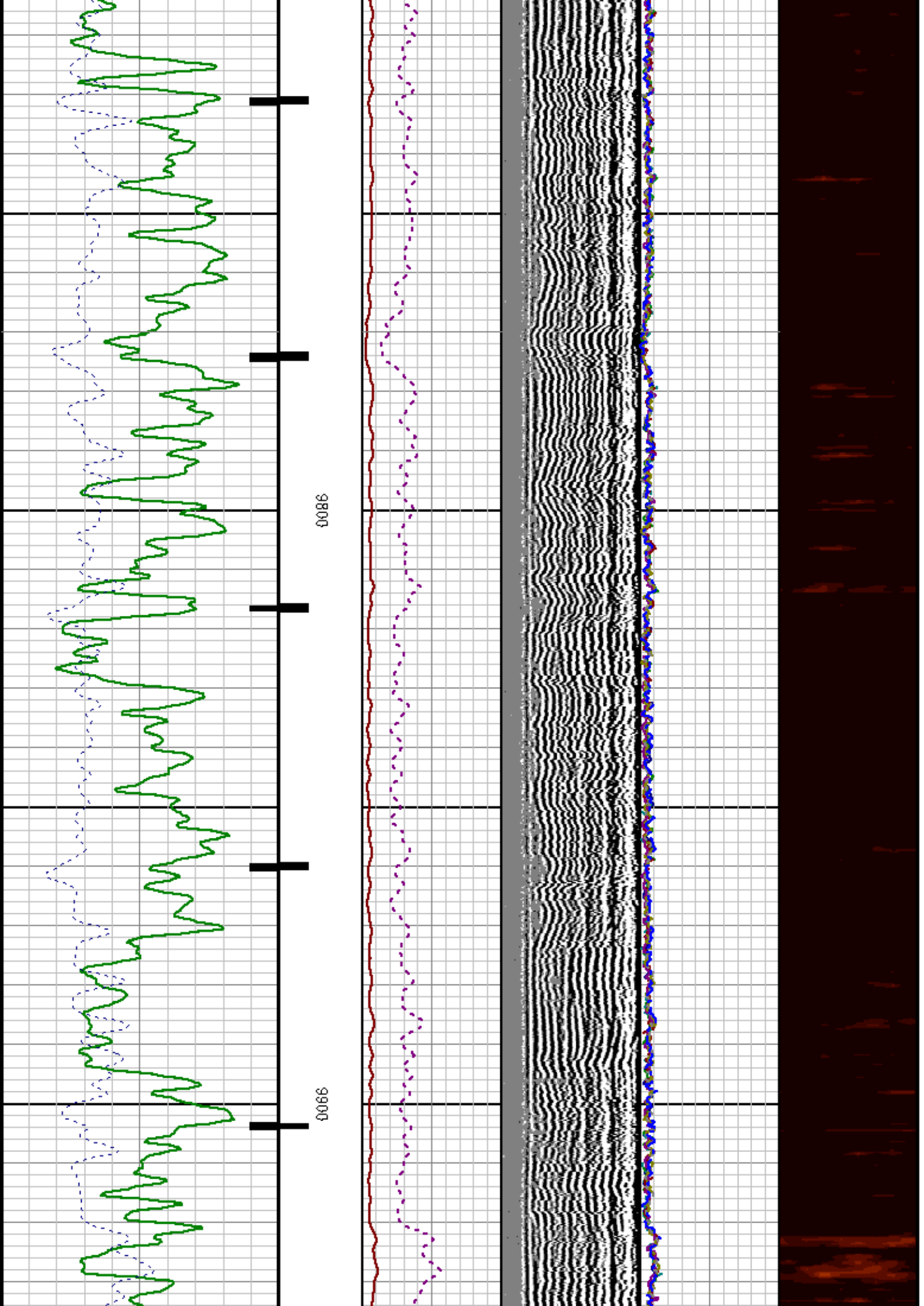


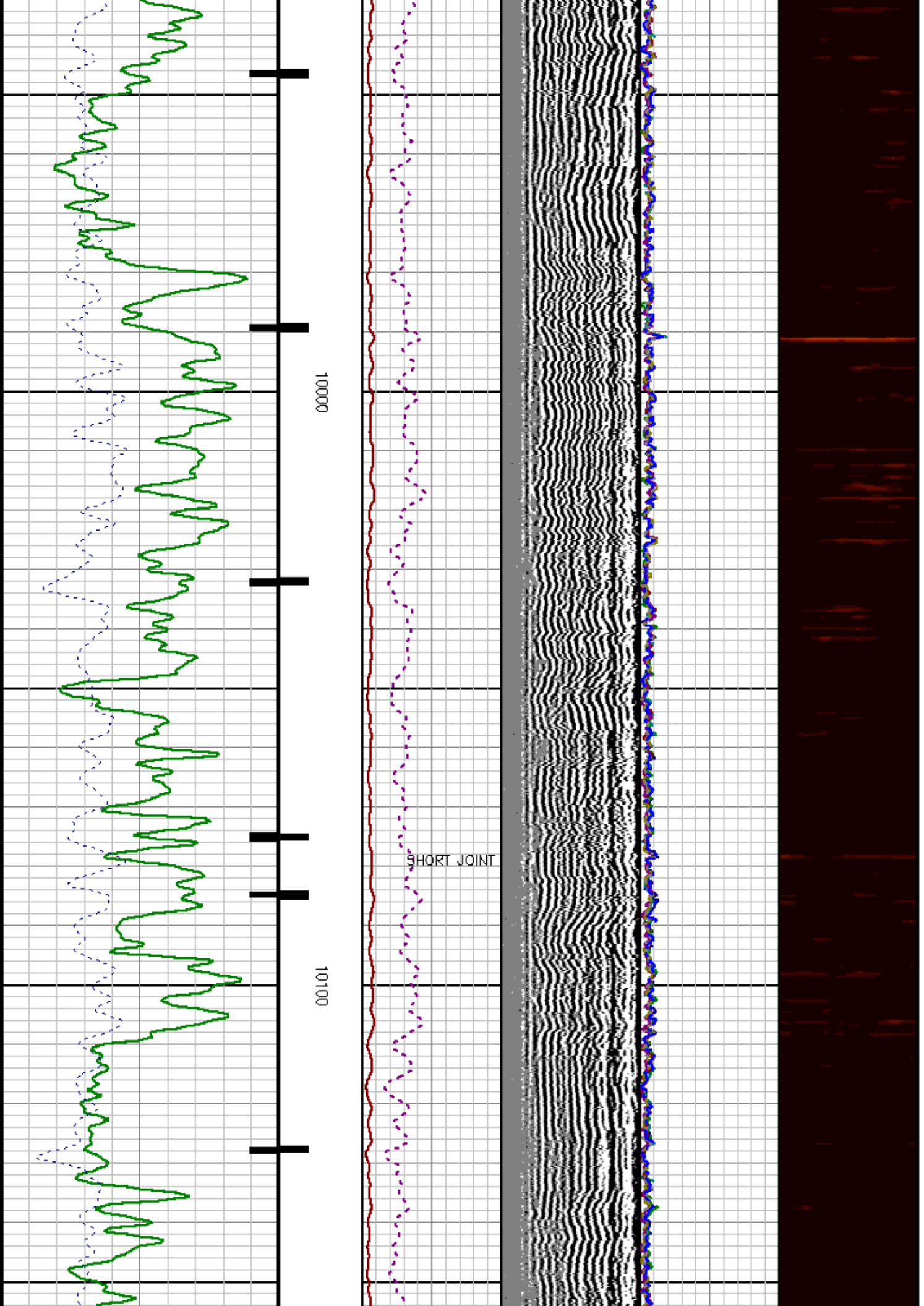


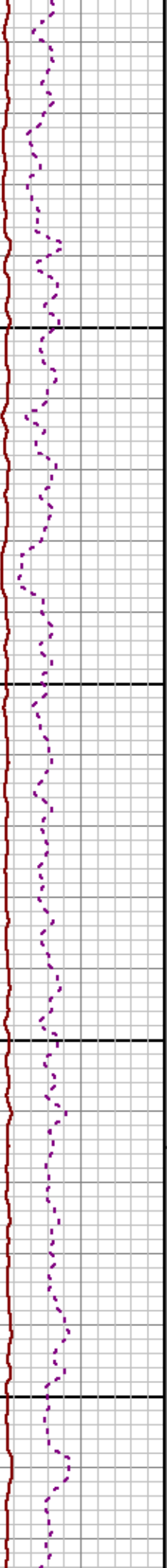
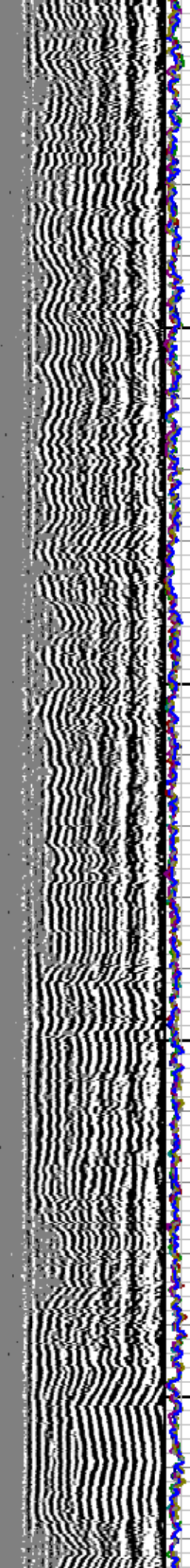
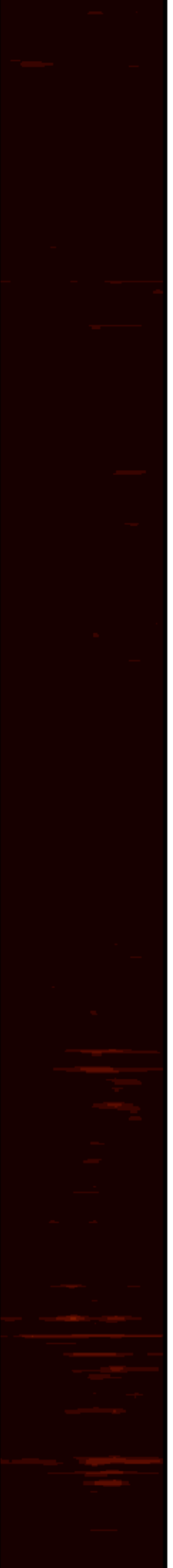






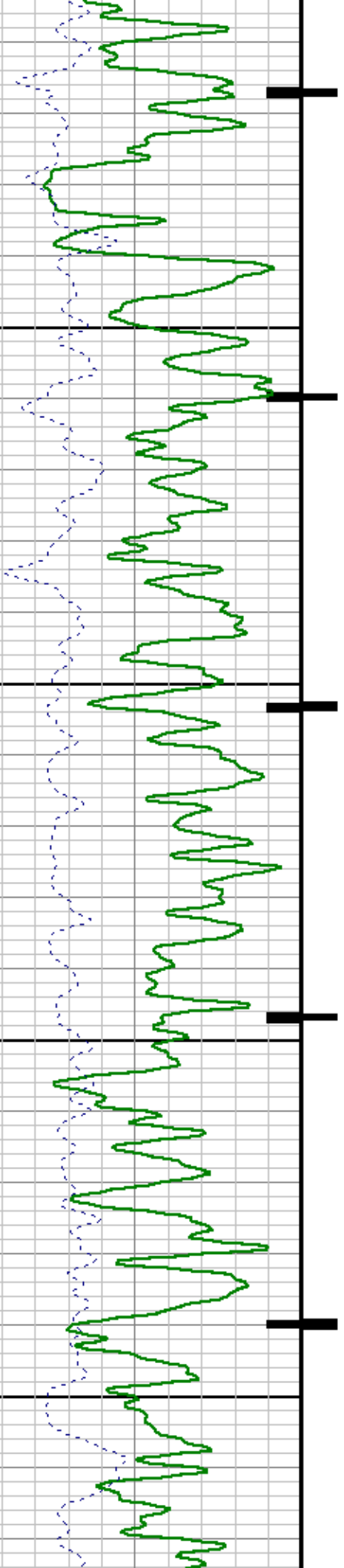


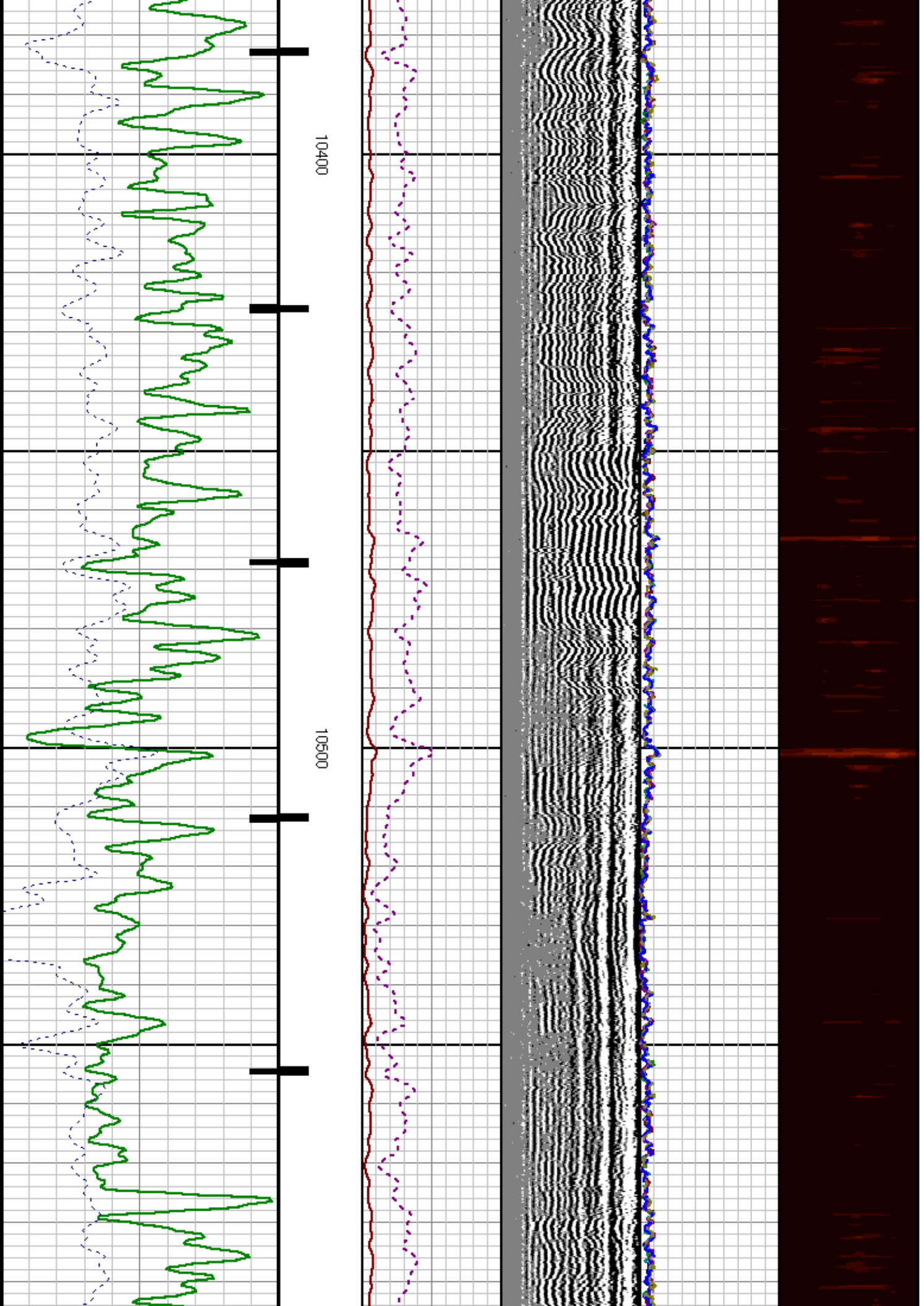


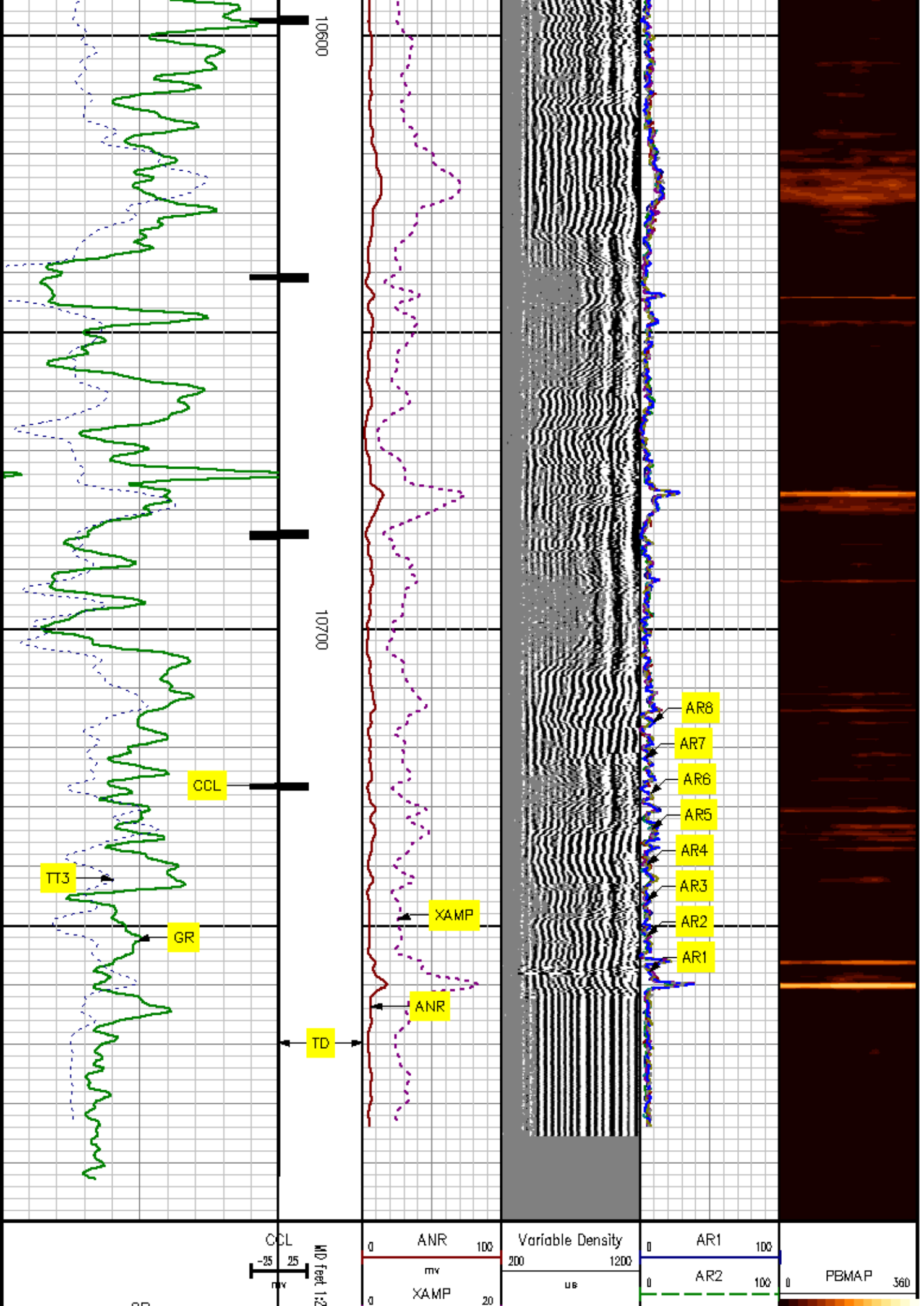


10200

10300







0	GR	150	40	mv	0	AR3	100	90	50
	gAPI				0	AR4	100		
276	TT3	176			0	AR5	100		
	usec				0	AR6	100		
					0	AR7	100		
					0	AR8	100		

MAIN SECTION PRIMARY PRESENTATION

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	314.283	usec	3346.250	10799.000
RAL	Amp Gate Start Near	197.754	usec	3346.250	10799.000
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RAL	Amp Gate Width Radial	25.000	usec	3346.250	10799.000
RAL	casing od	4.500	inches	3346.250	10799.000
RAL	casing wt	15.100	lbm/ft	3346.250	10799.000
RAL	FB Start Far	269.283	usec	3346.250	10799.000
RAL	FB Start Near	172.754	usec	3346.250	10799.000
RAL	FB Start Radial	172.754	usec	3346.250	10799.000
RAL	FB Thresh Far	15.000	mv	3346.250	10799.000
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DEPTH OFFSETS (for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES						
1426XA	-15.360	ACAL	ANR	AR1	AR2	AR3	AR4	
		AR5	AR6	AR7	AR8	CHV	FPR2	

1426XA -14.360
 1426XA -7.250
 1426XA -5.390
 1426XA 0.000

FPR3	FPR5	TT3	TTR1	TTR2	TTR3
TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
AFAR	SIG	TT5			
CCL					
GR					
NEU					

Created by : RAL, v4.8.007

Plotted by : PlotMgr, v5.4.504

Company : CONOCOPhillips

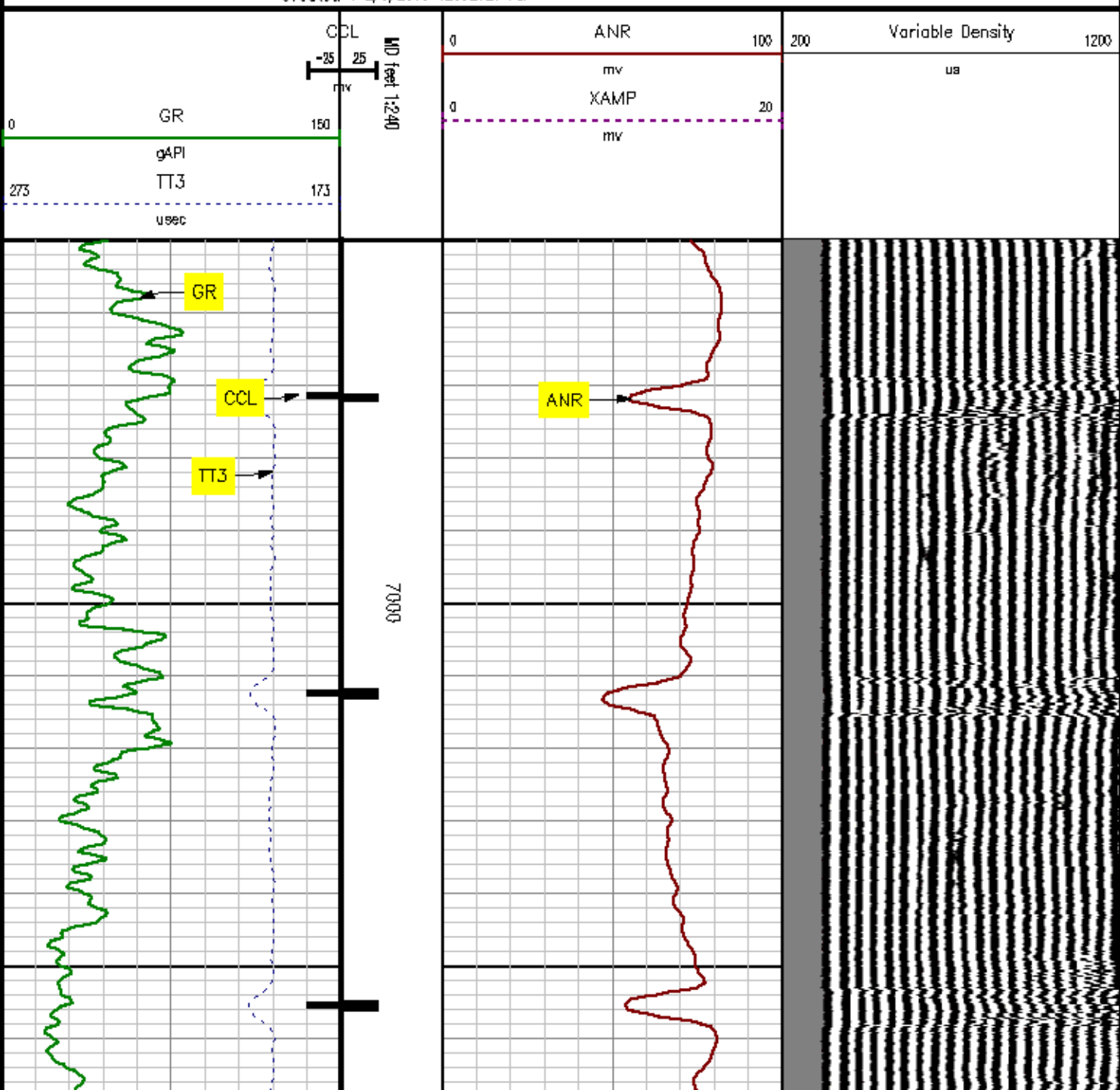
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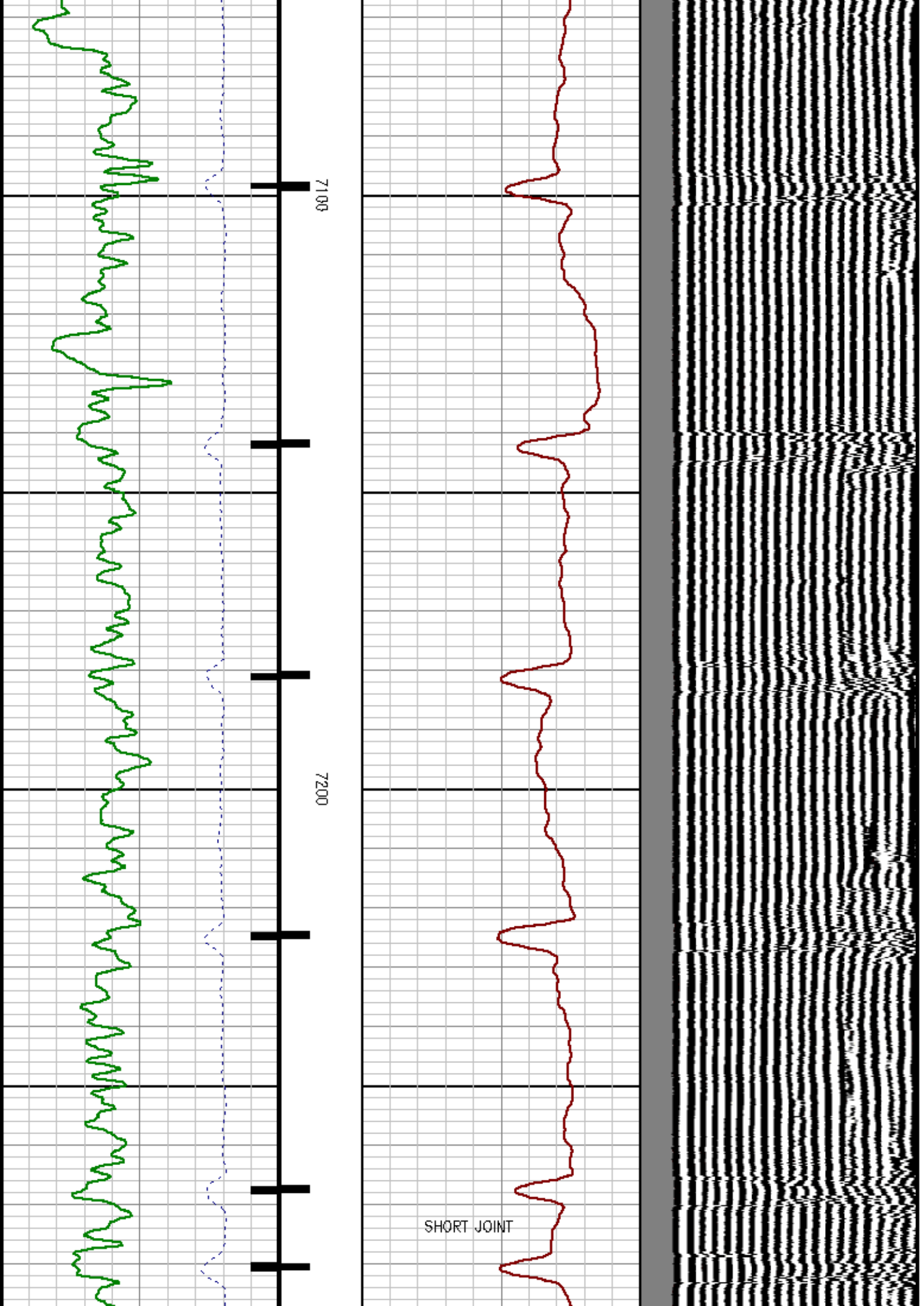
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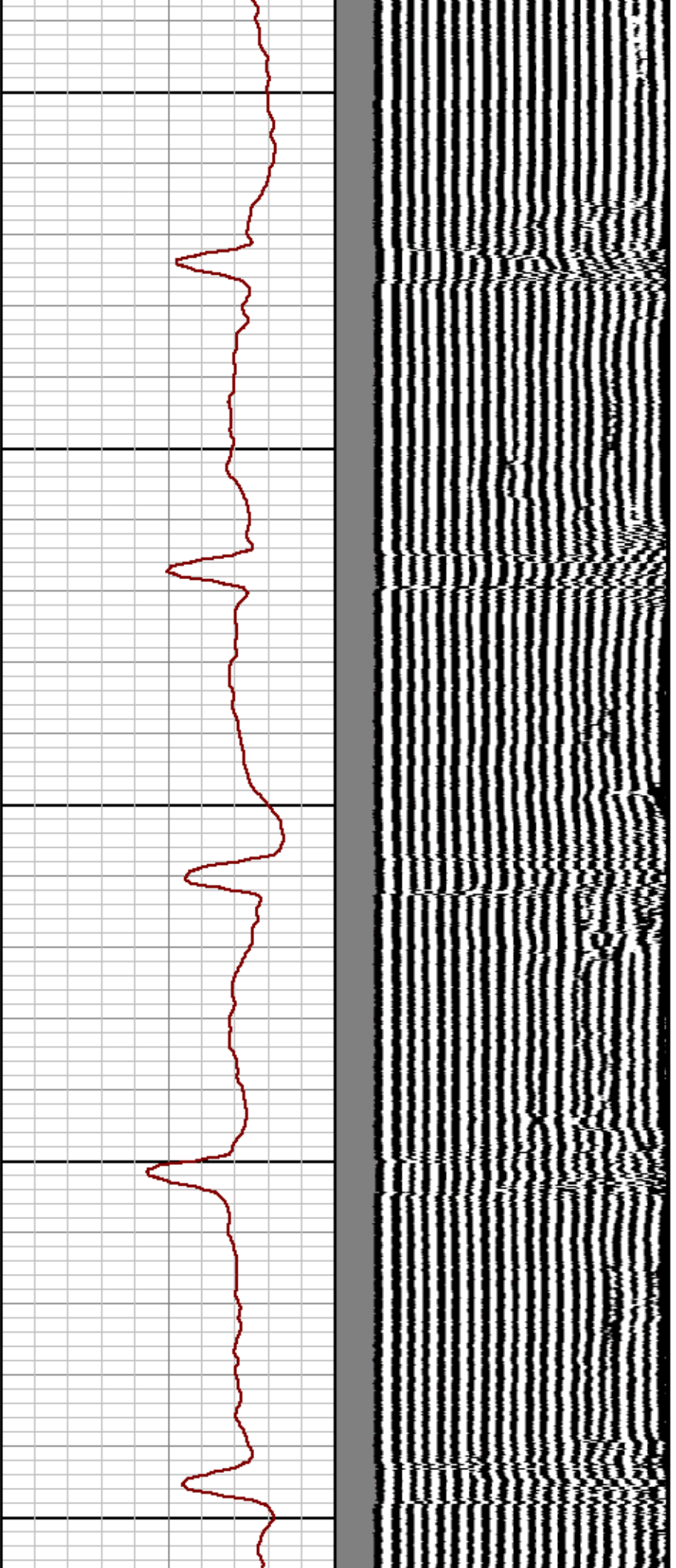
Mode : PlotMgr 5.4.504

Interval : 6950.00 - 10799.75 feet UP

Created : 2/8/2008 12:52:26 PM



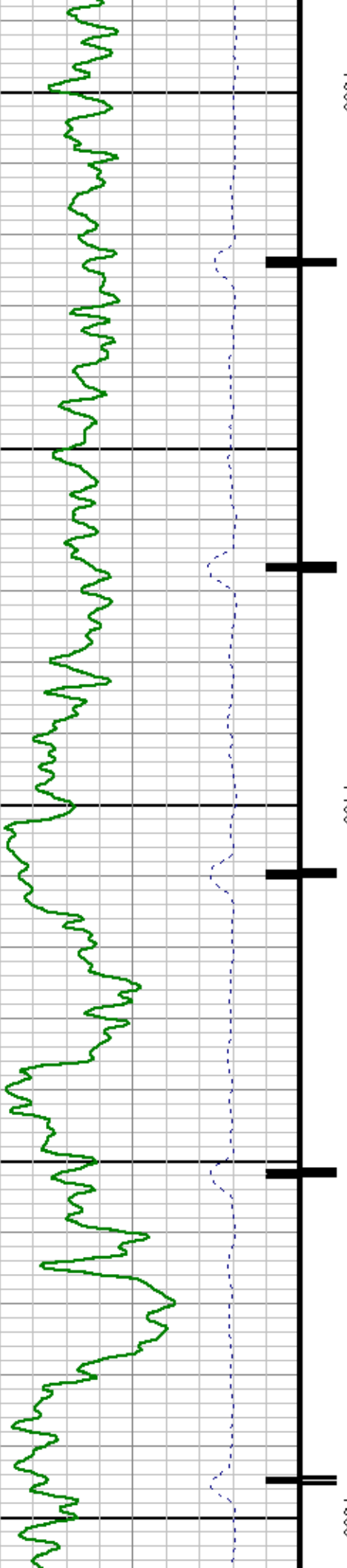


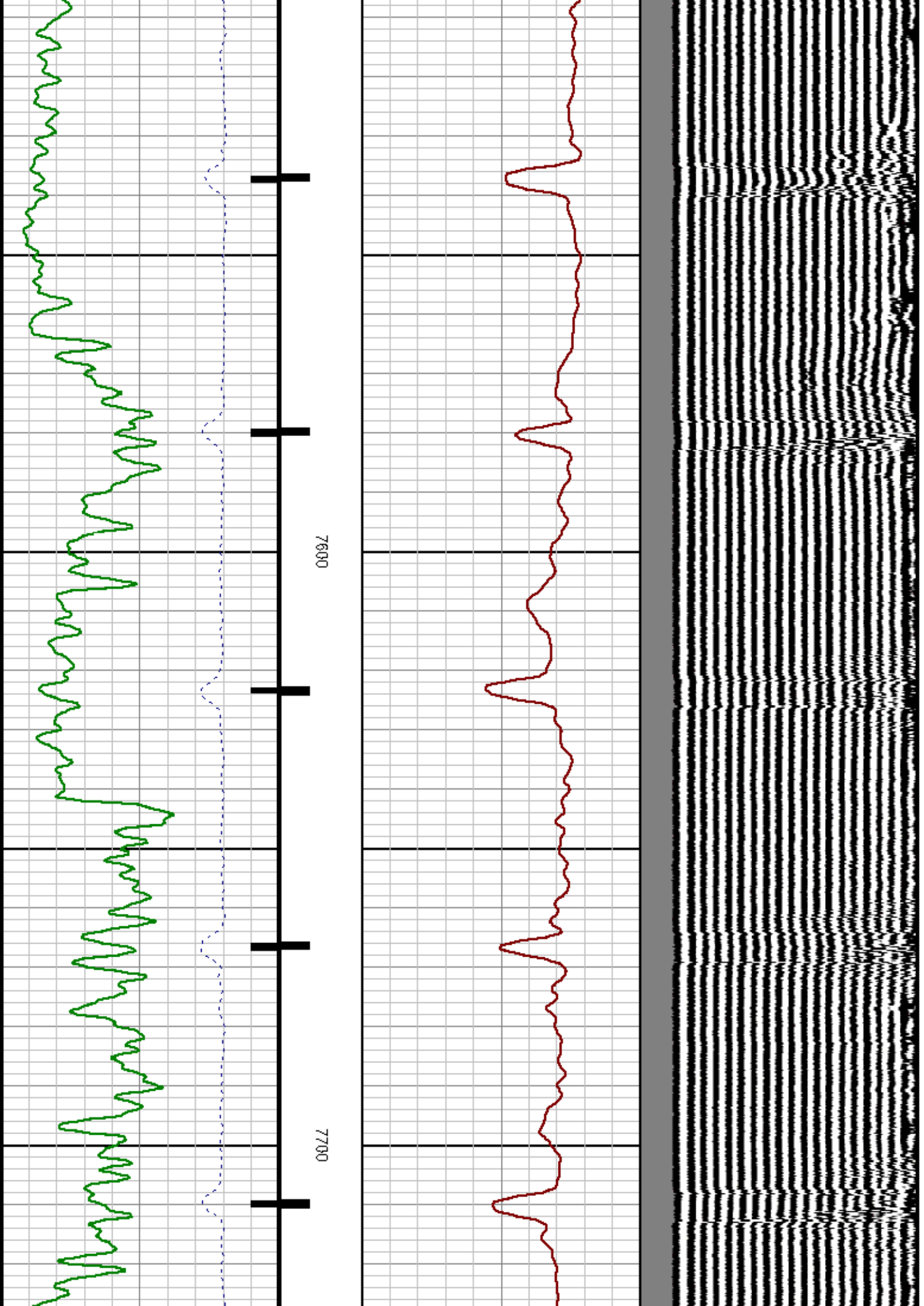


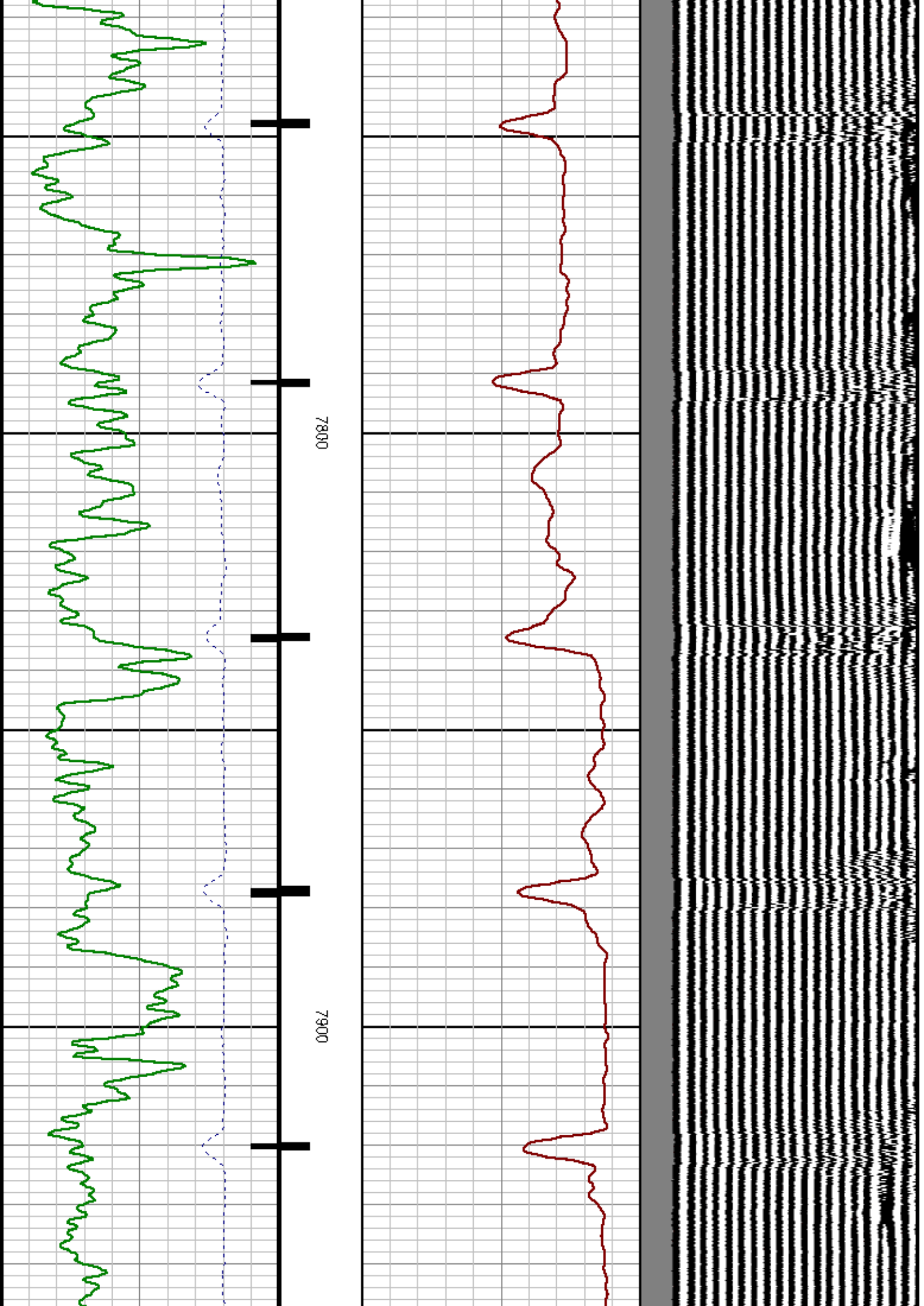
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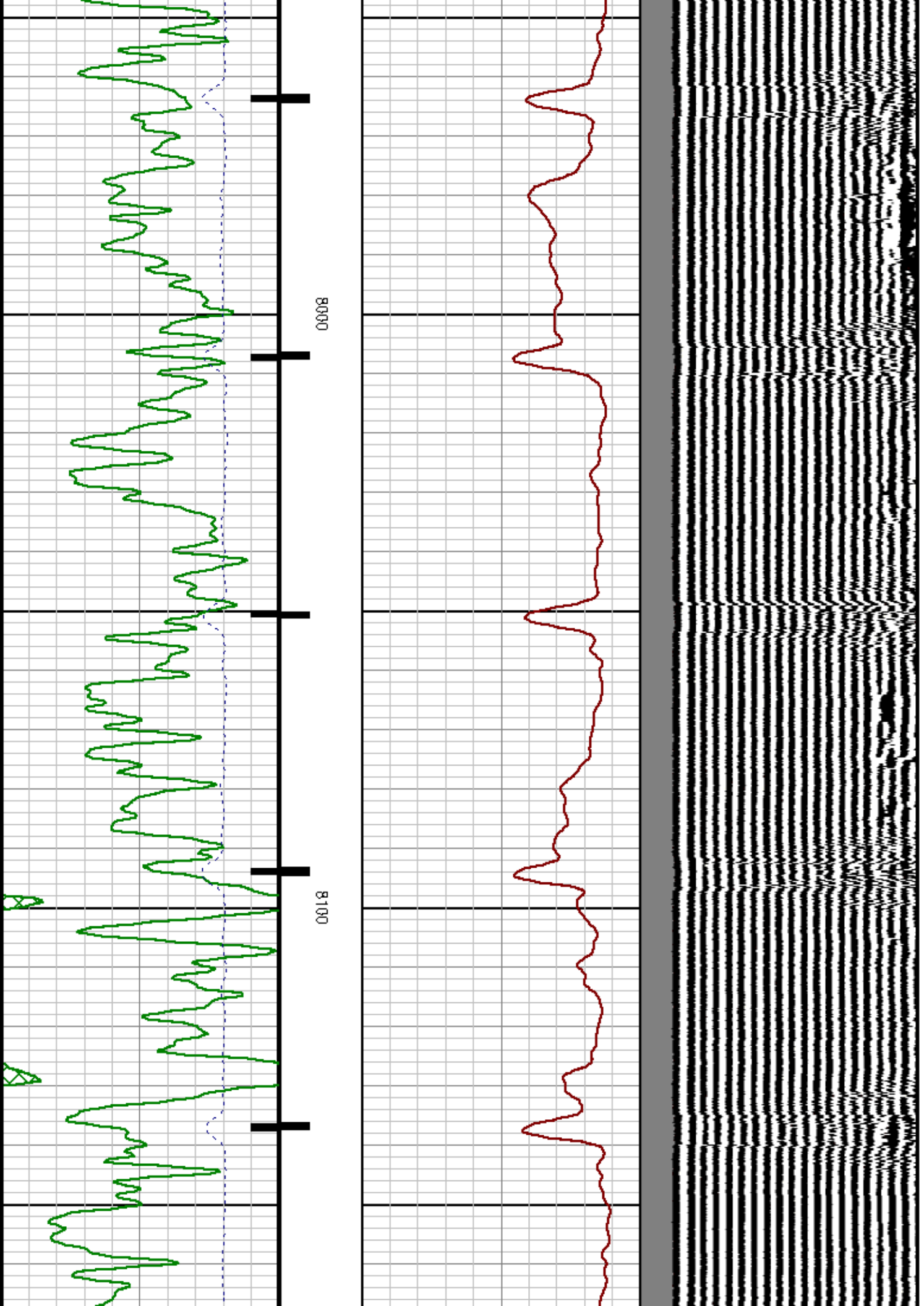
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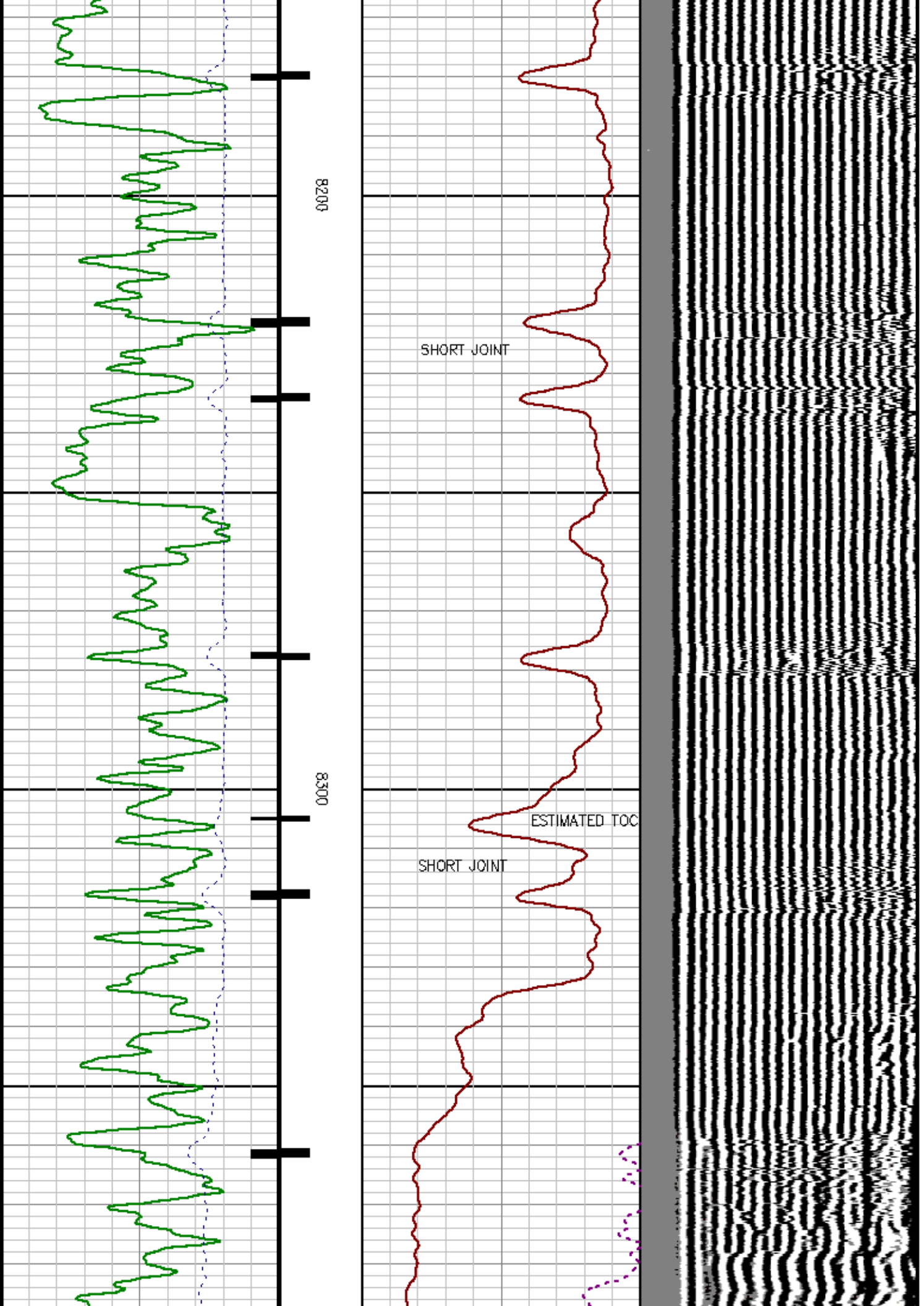
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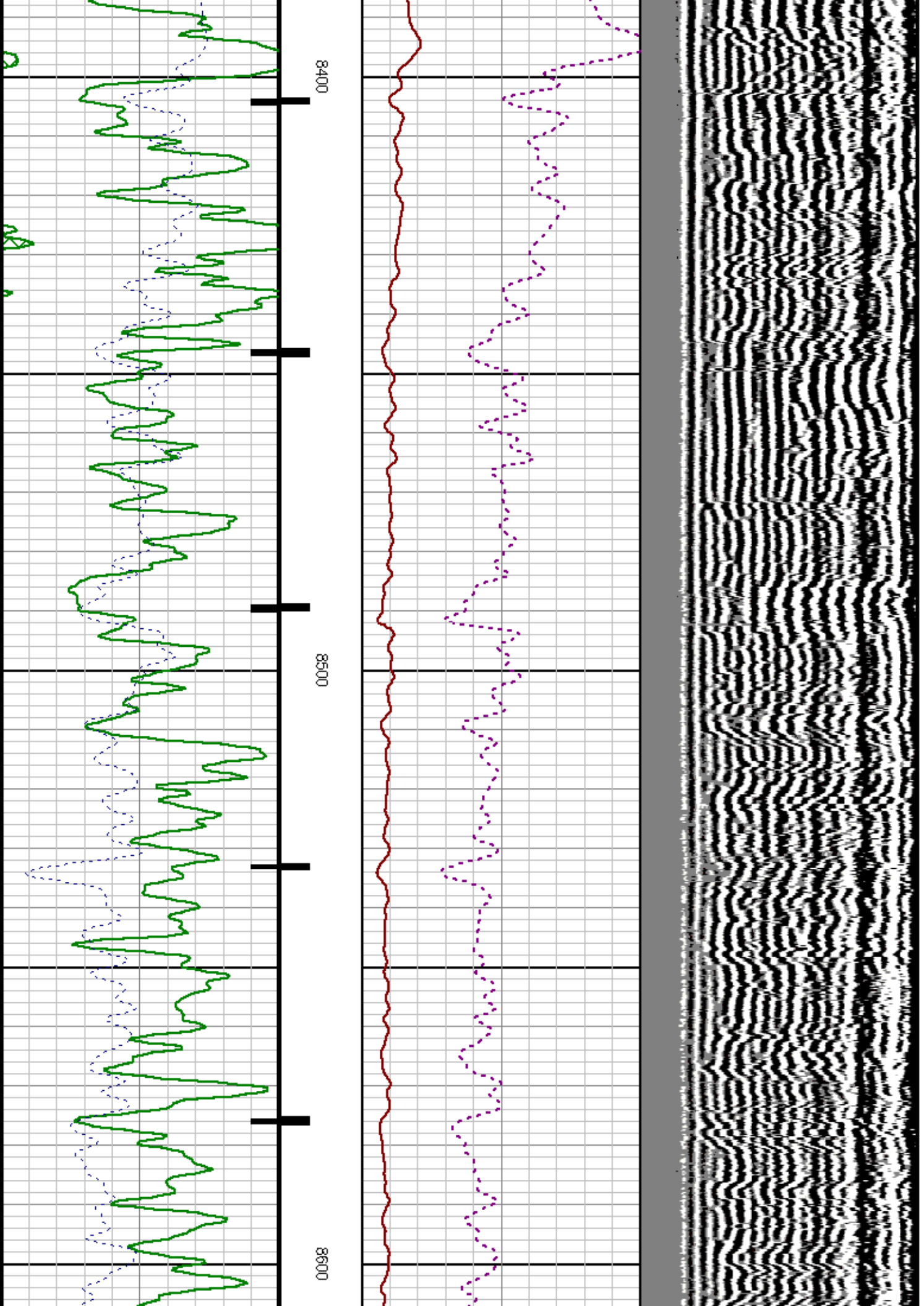


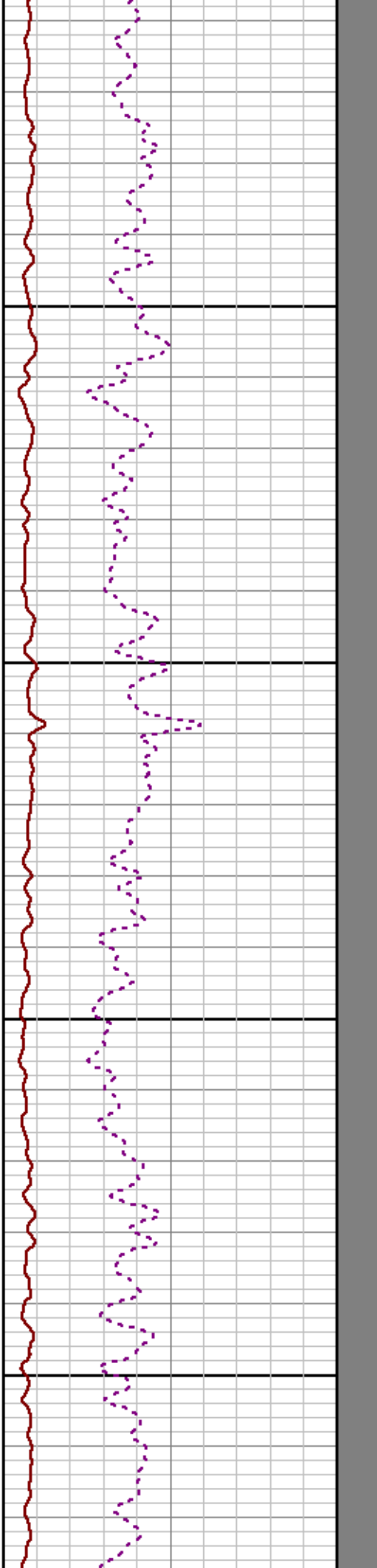
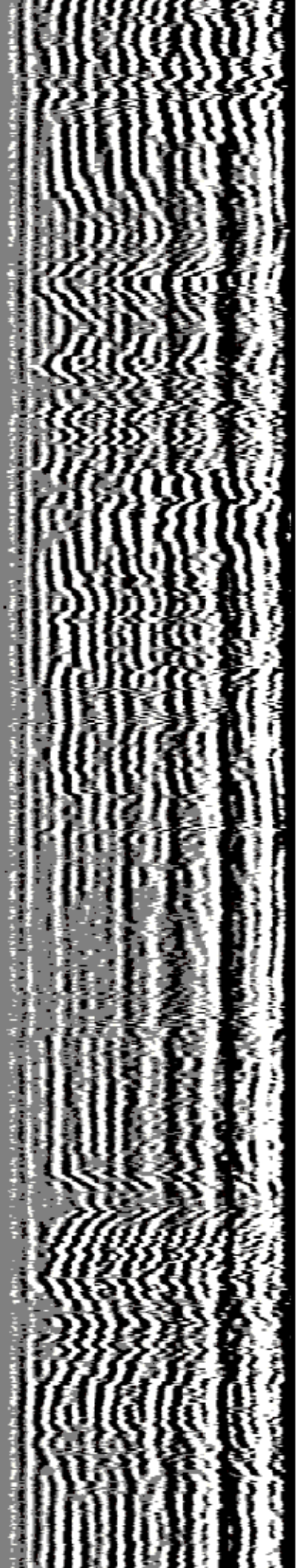






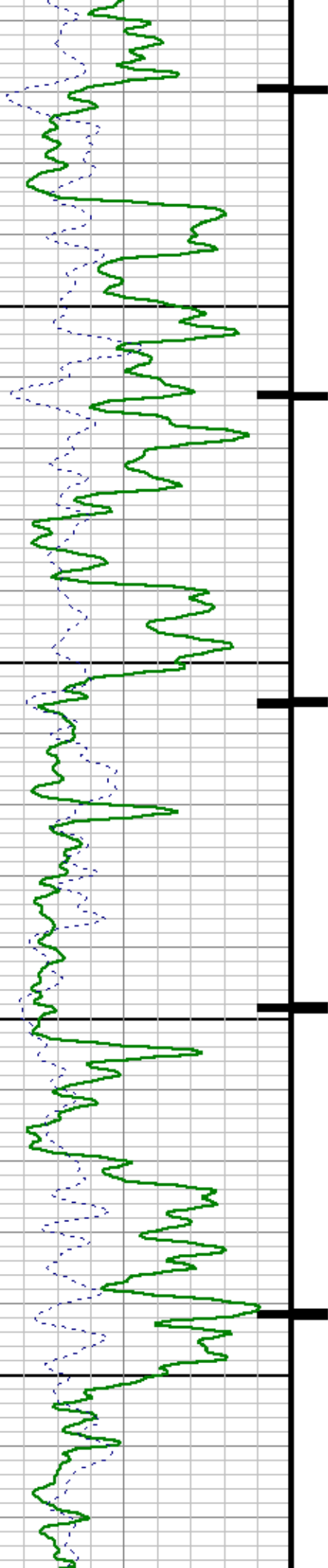


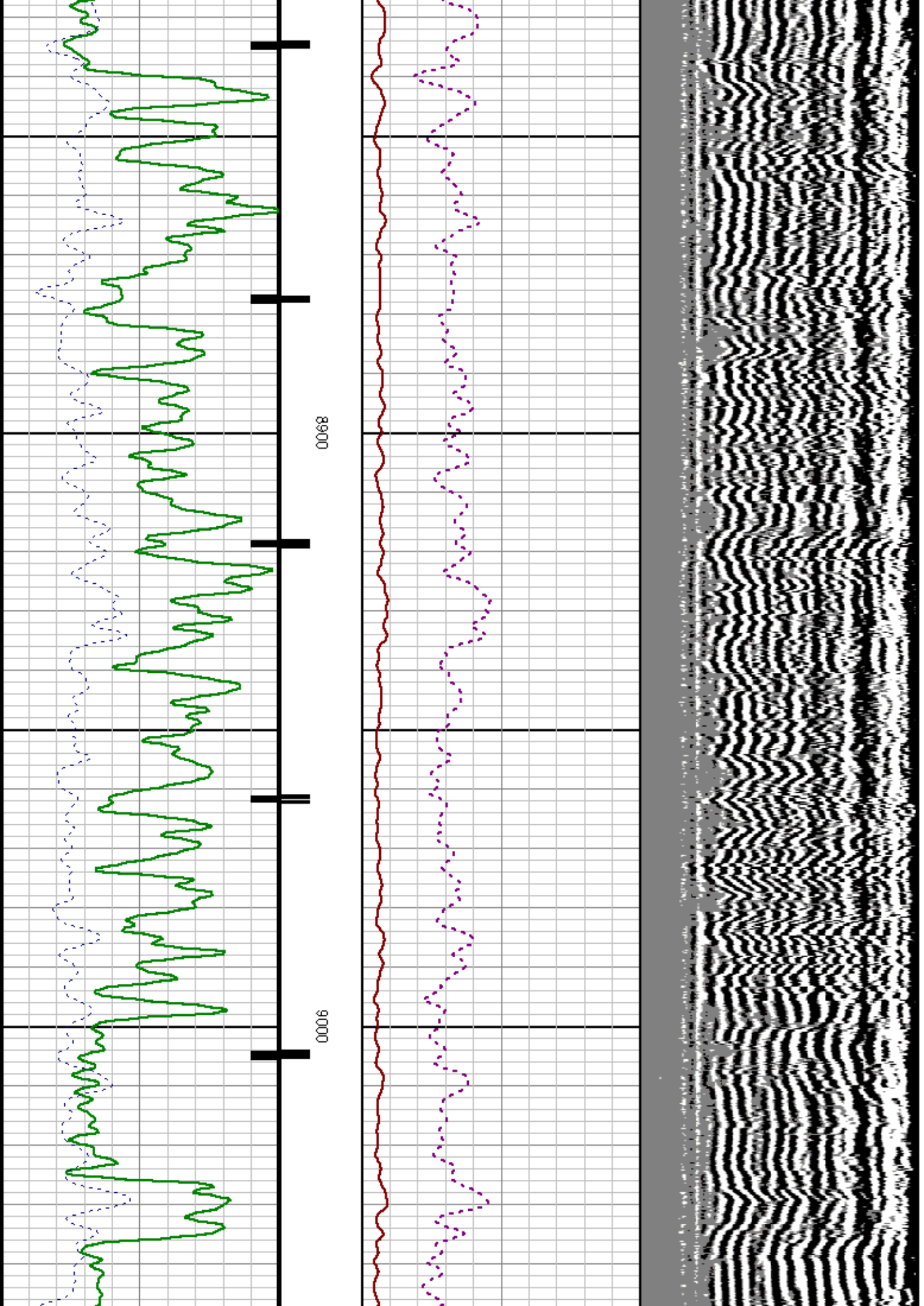


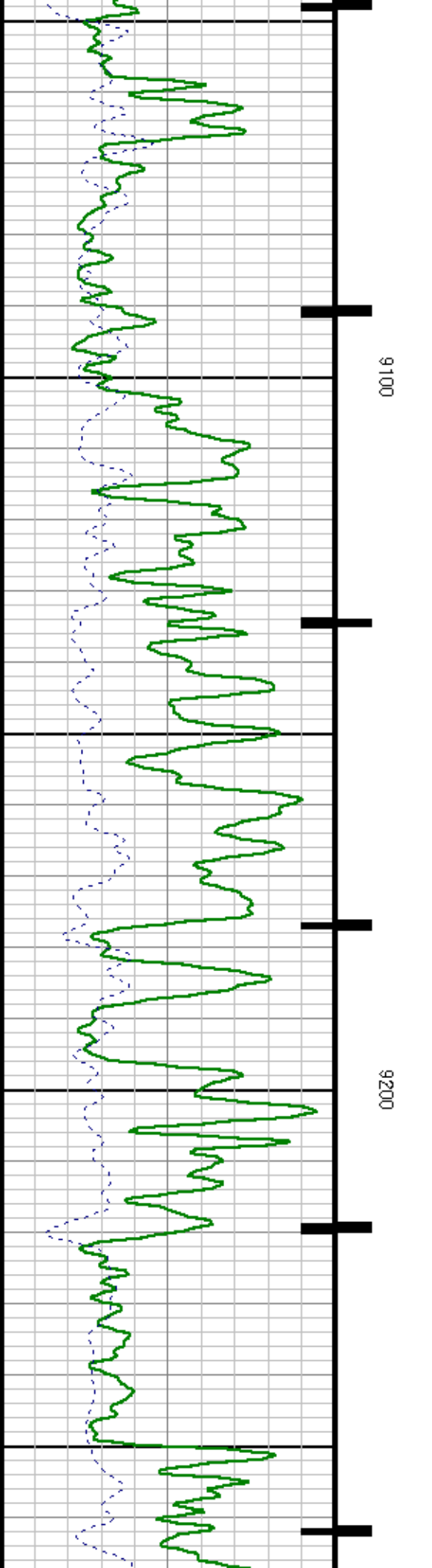
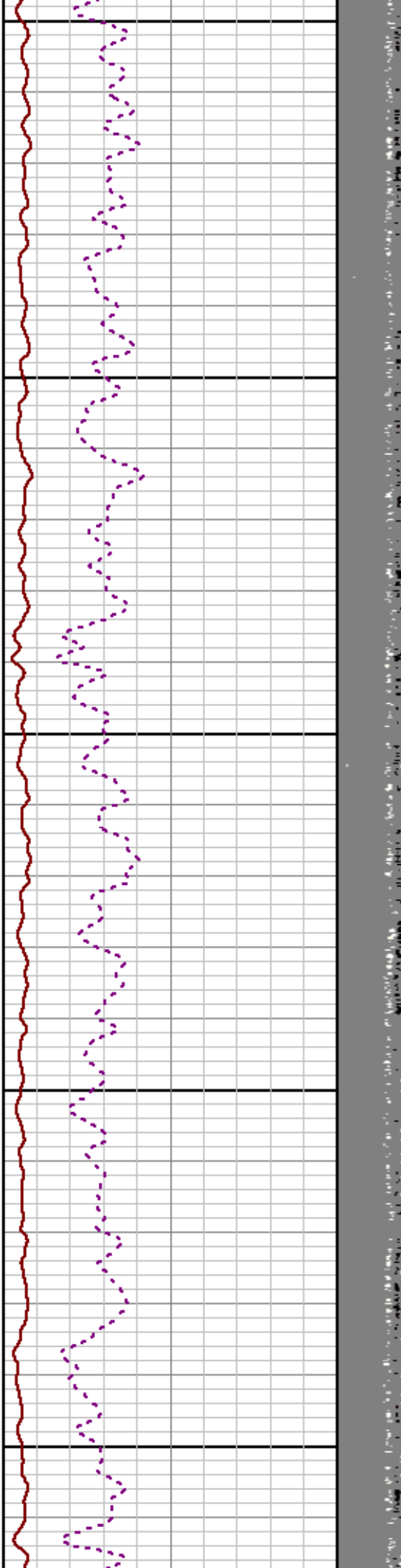
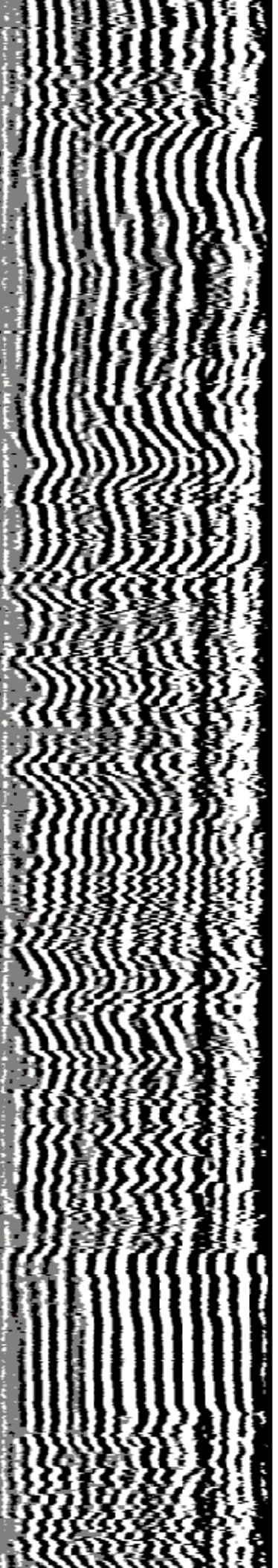


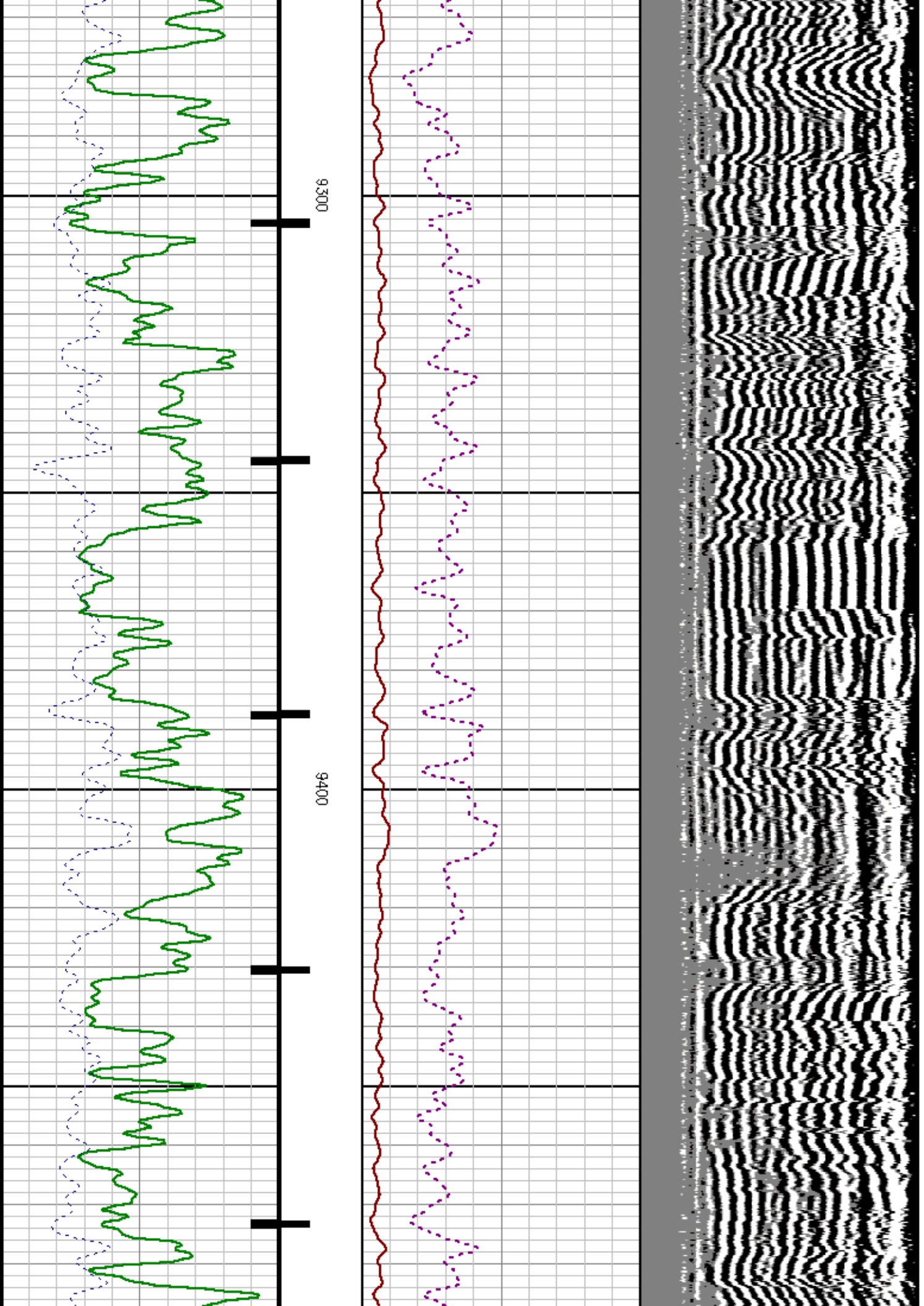
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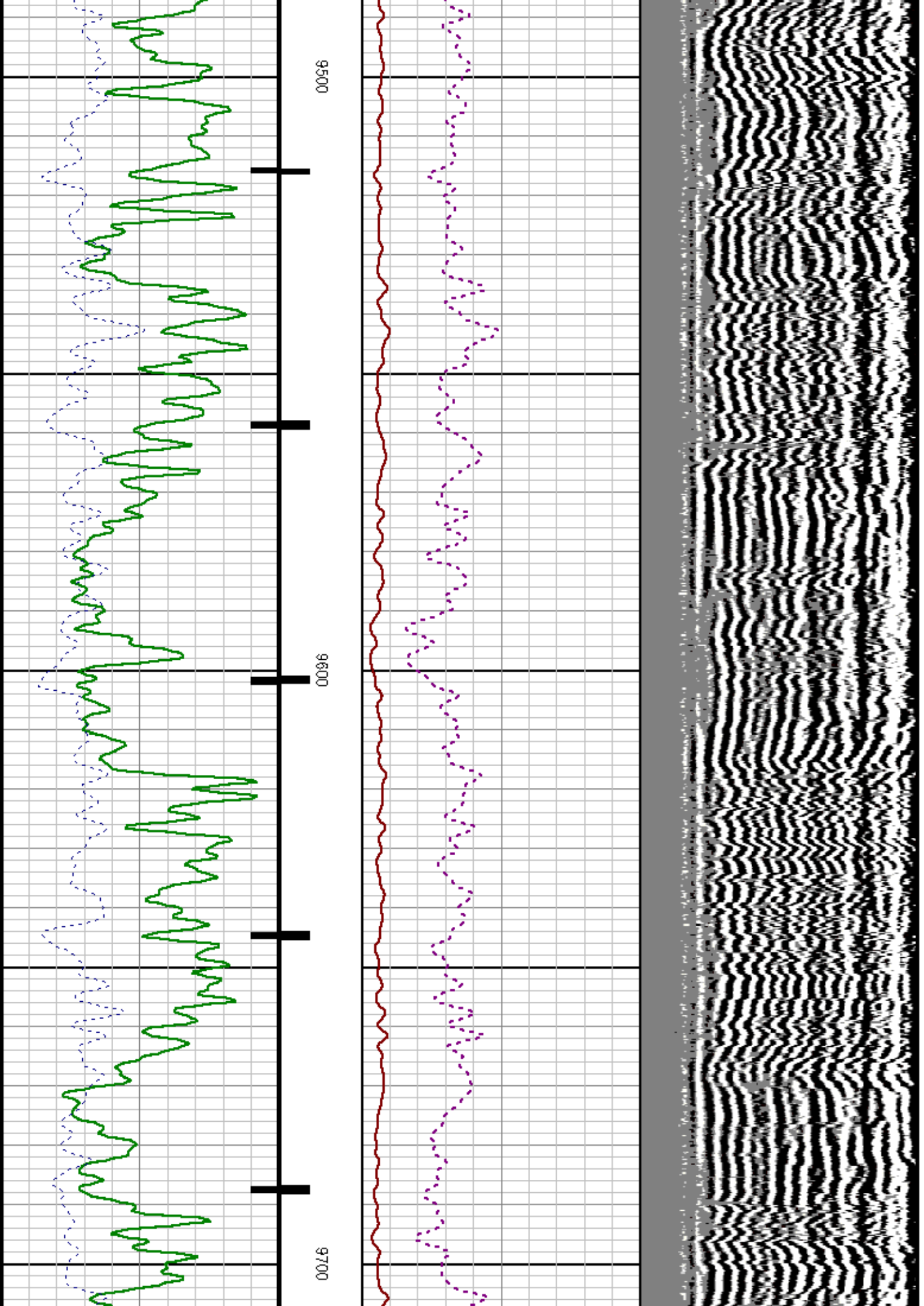
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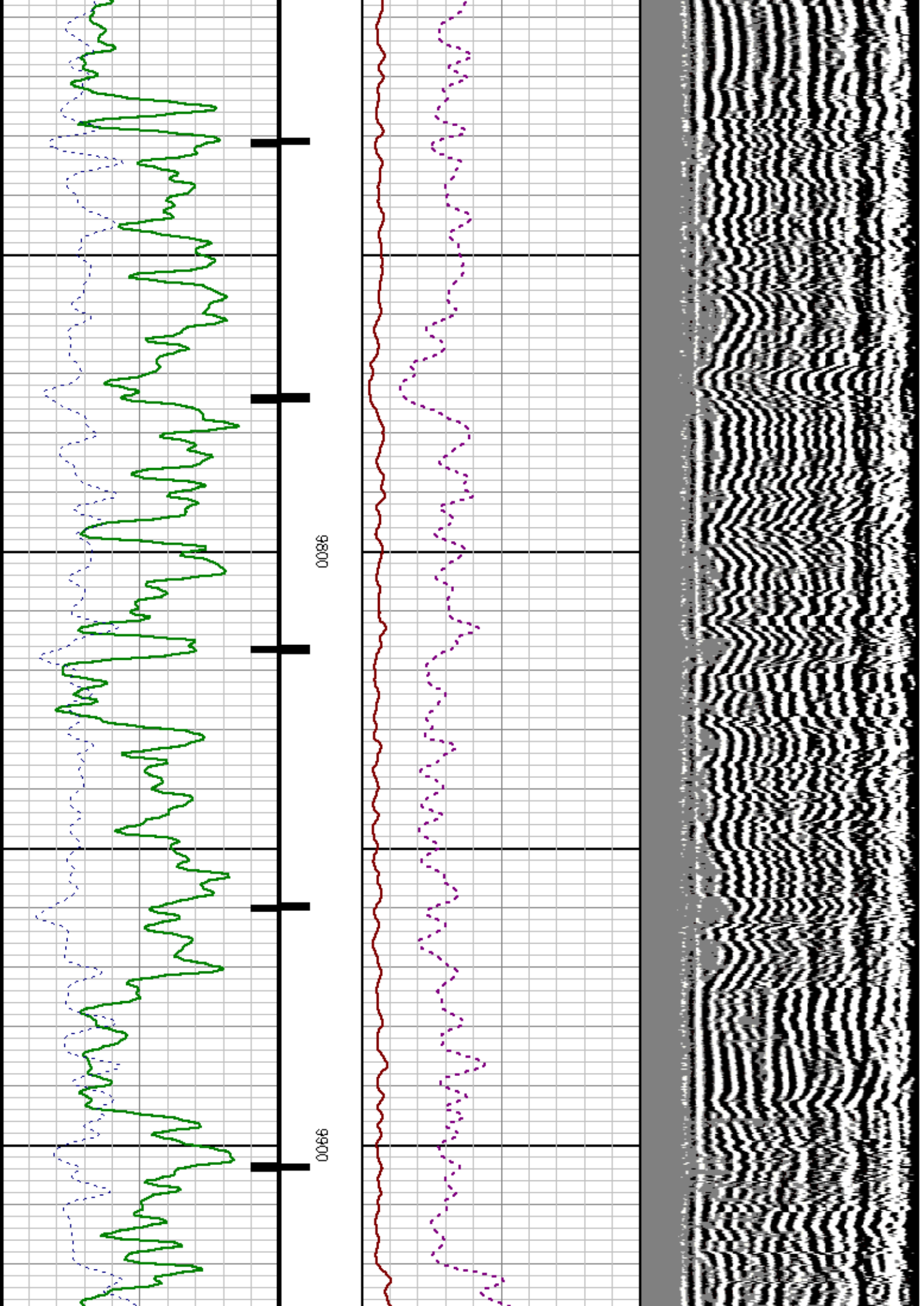


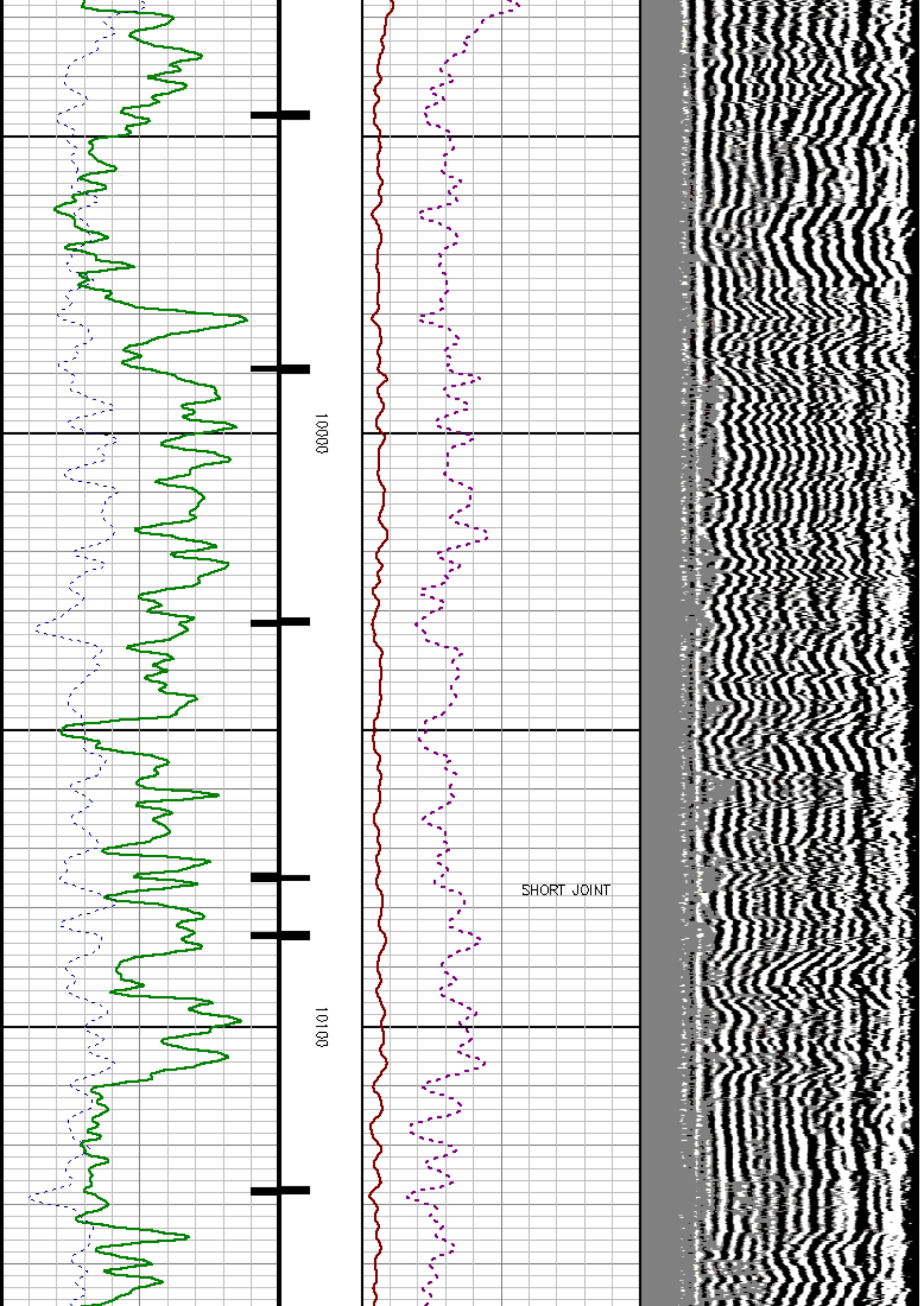


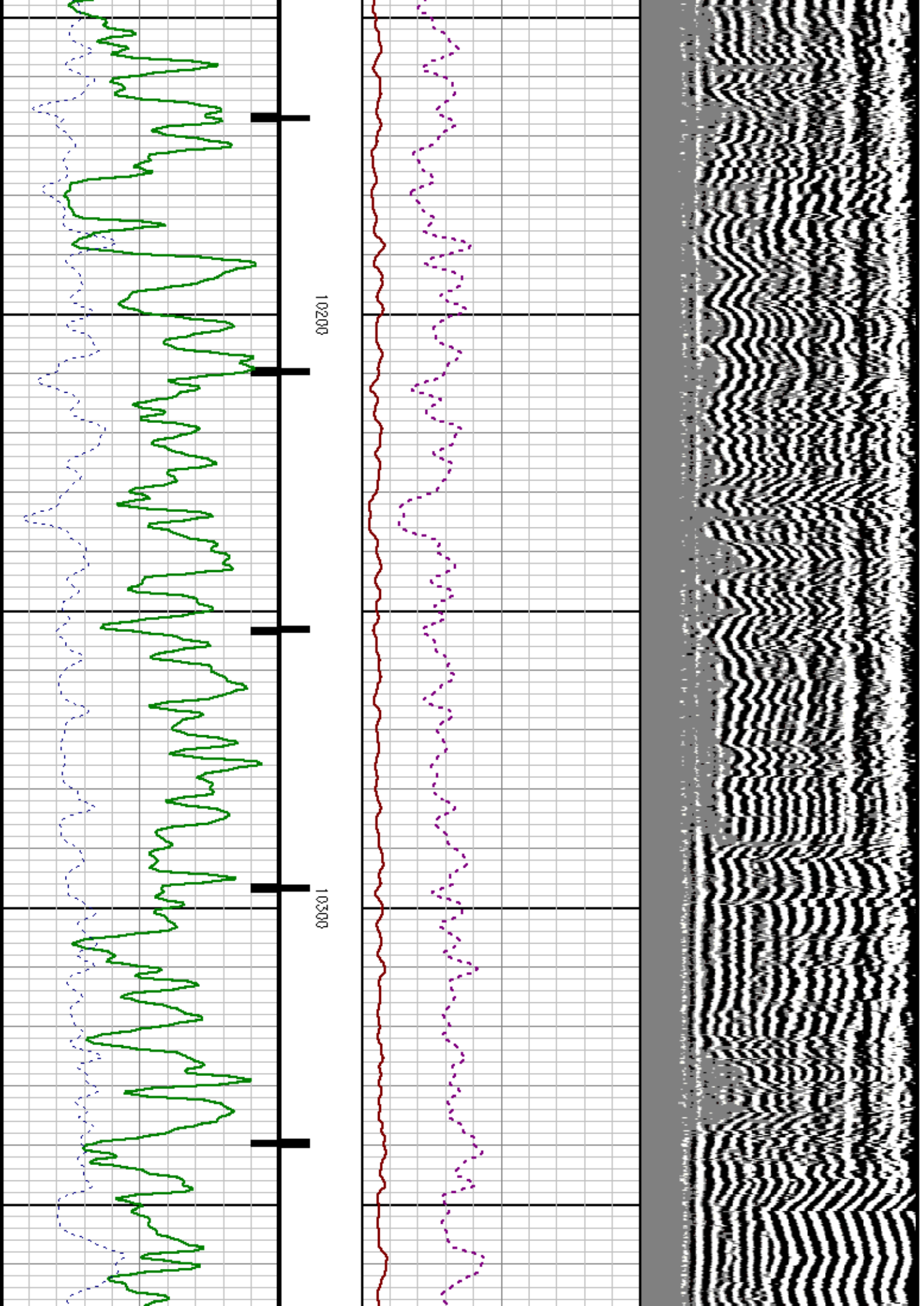


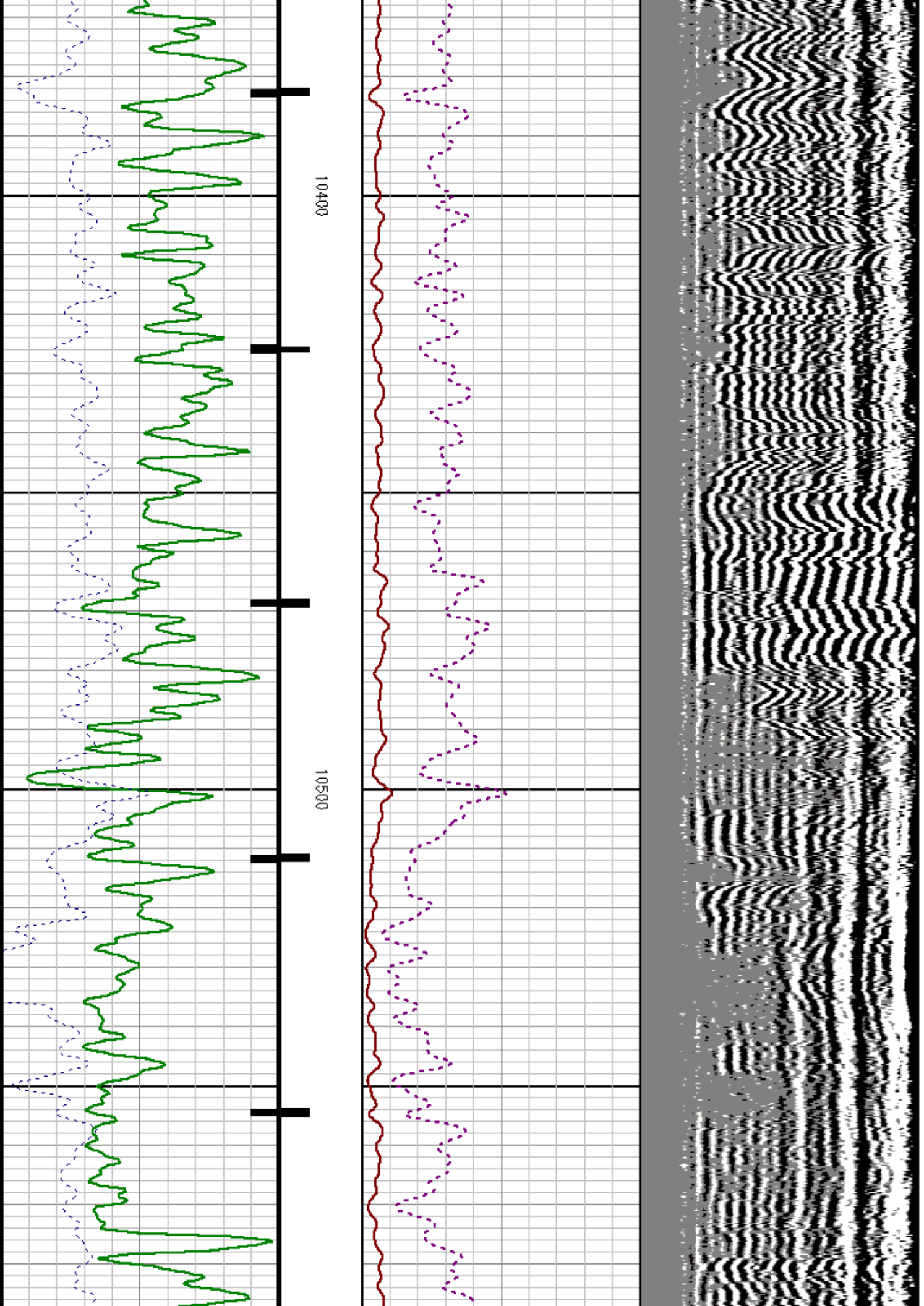


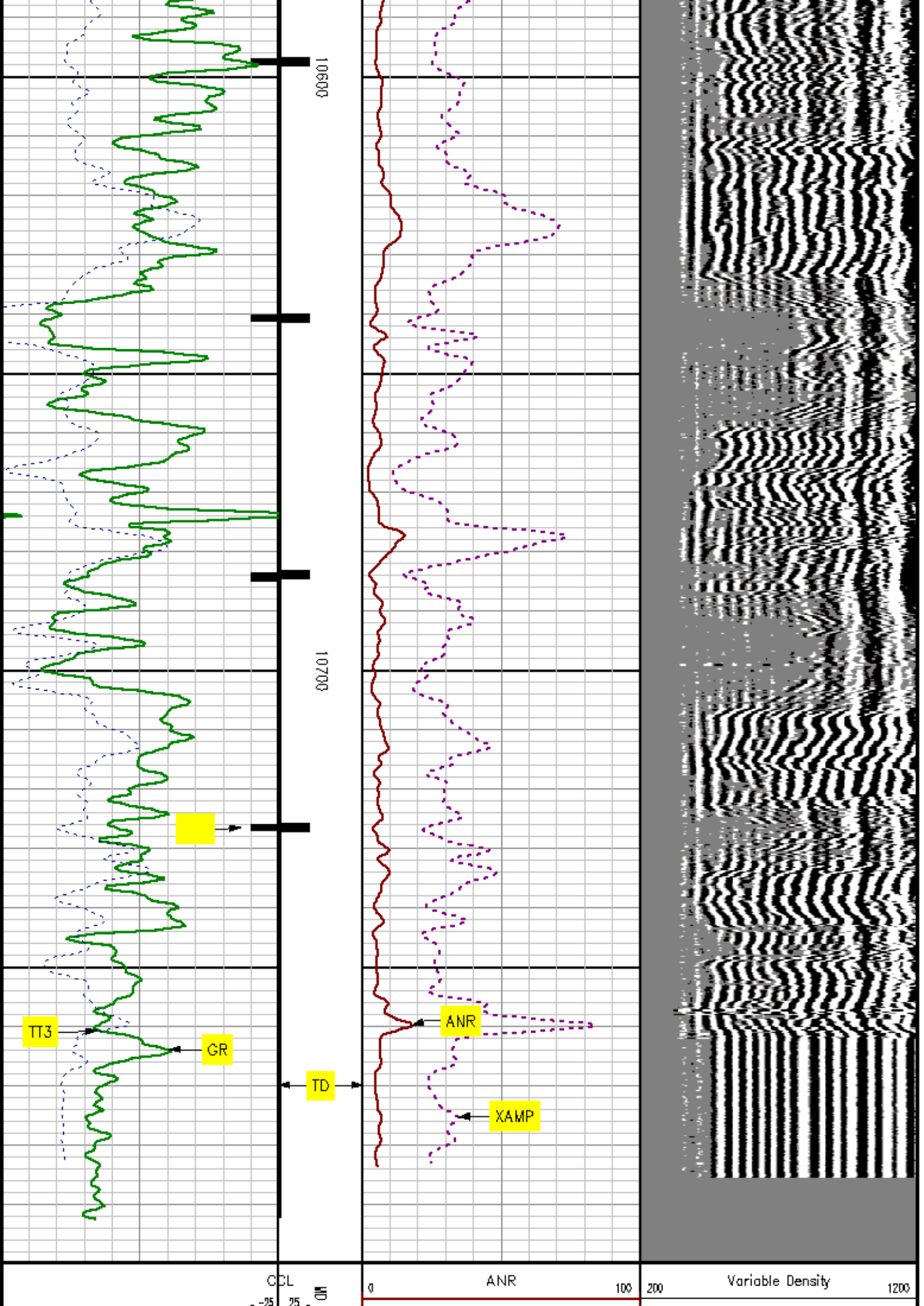


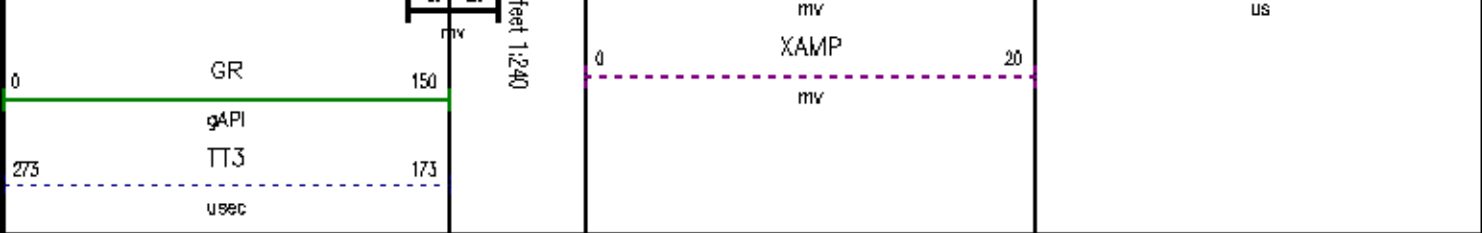












REPEAT SECTION

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	314.283	usec	10525.476	10793.000
RAL	Amp Gate Start Near	197.754	usec	10525.476	10793.000
RAL	Amp Gate Start Radial	197.754	usec	10525.476	10793.000
RAL	Amp Gate Width Far	25.000	usec	10525.476	10793.000
RAL	Amp Gate Width Near	25.000	usec	10525.476	10793.000
RAL	Amp Gate Width Radial	25.000	usec	10525.476	10793.000
RAL	casing od	4.500	inches	10525.476	10793.000
RAL	casing wt	15.100	lbm/ft	10525.476	10793.000
RAL	FB Start Far	289.283	usec	10525.476	10793.000
RAL	FB Start Near	172.754	usec	10525.476	10793.000
RAL	FB Start Radial	172.754	usec	10525.476	10793.000
RAL	FB Thresh Far	15.000	mv	10525.476	10793.000
RAL	FB Thresh Near	10.000	mv	10525.476	10793.000
RAL	FB Thresh Radial	10.000	mv	10525.476	10793.000
RAL	Fluid Travel Time	200.000	usec/ft	10525.476	10793.000

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-15.360	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	GHV	FPR2
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-14.360	AFAR	SIG	TT5			
1426XA	-7.250	OCL					
1426XA	-5.390	GR					

Created by : RAL, v4.8.007

Plotted by : PlotMgr, v5.4.504

Company : CONOCOPhillips

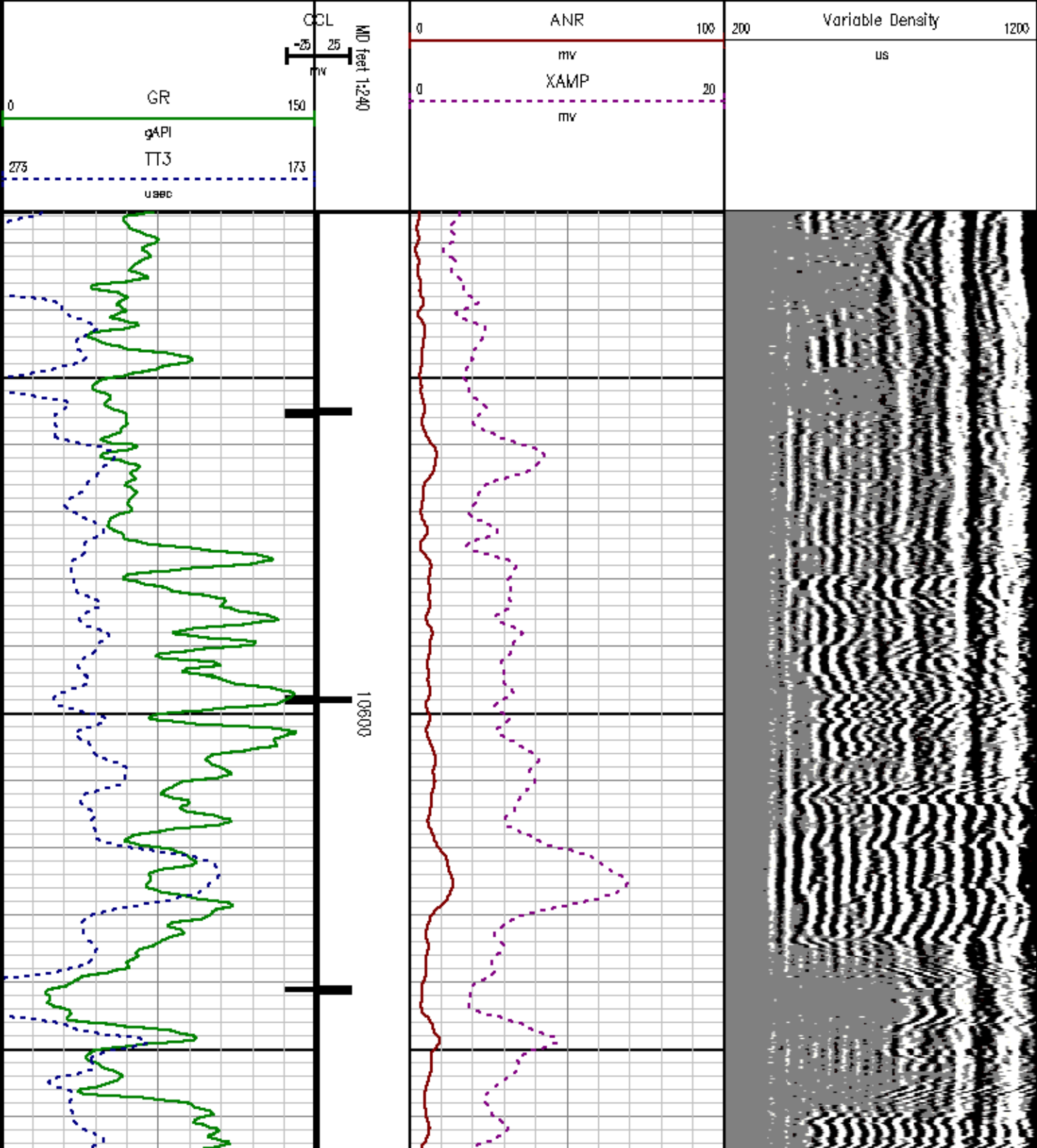
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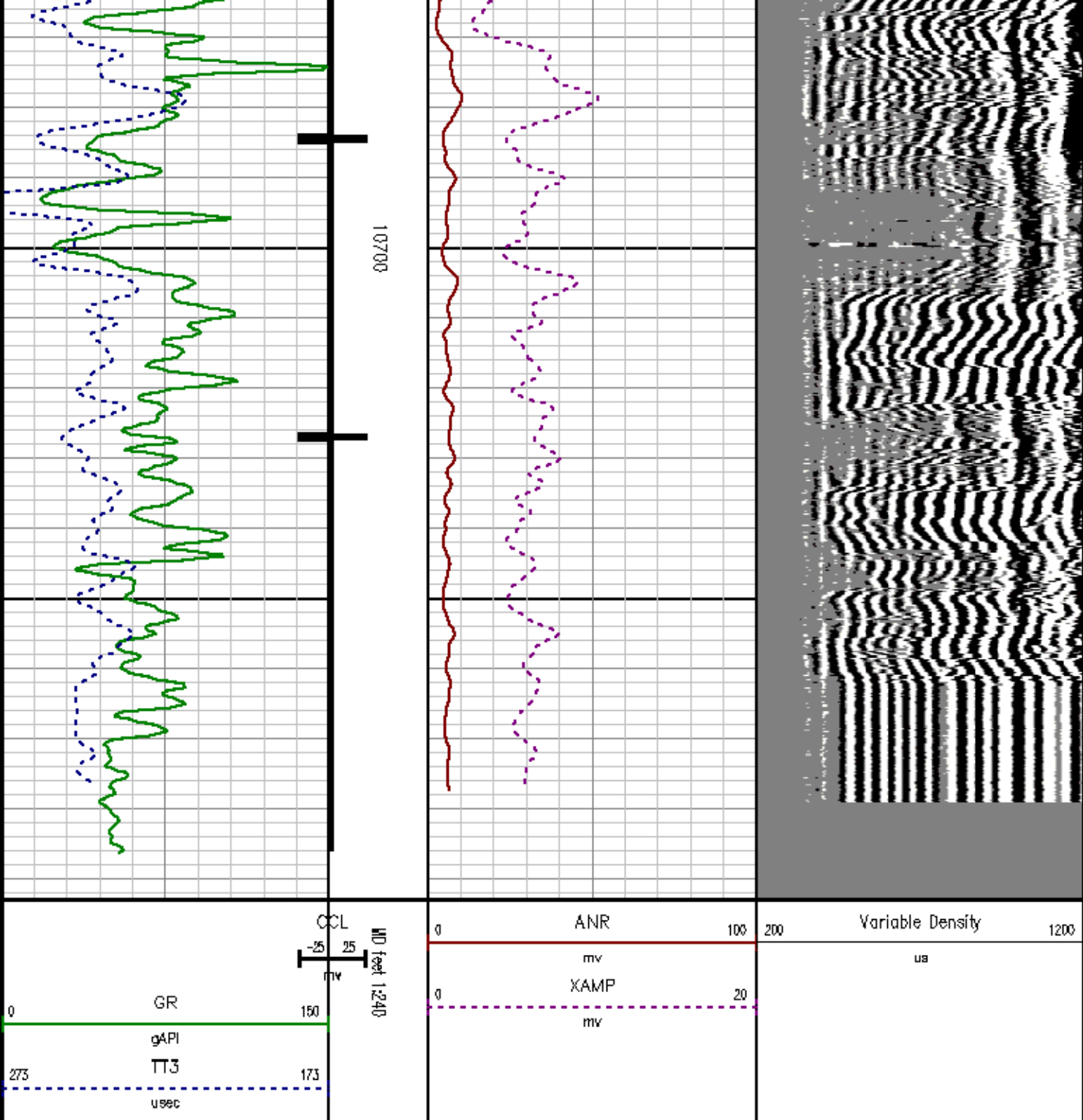
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Mode : PlotMgr 5.4.504

Interval : 10525.50 - 10793.00 feet UP

Created : 2/8/2008 1:10:02 PM





CALIBRATION SUMMARY

GAMMA RAY

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Mon Feb 04 10:37:59 2008 TOOL SERIES: 1426XA ASSET: 120 SEQ: F1

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
RA22B BA65B	135.24	307.42	0.581	78.55	178.55	100.00

Verification File: C:\case\calver\GR\120F2.VP

PRIMARY LOG VERIFICATION

DATE/TIME PERFORMED: Mon Feb 04 10:42:57 2008 TOOL SERIES: 1426XA ASSET: 120 SEQ: F2

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
RA22B BA65B	136.49	307.87	0.582	79.40	179.08	99.69

RALSHP #2

Shop Calibration: C:\case\calver\RA1SHP\965\1 shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Fri Jan 11 15:13:44 2008 TOOL SERIES: 1426XA ASSET: 965 SEQ: J1

RECEIVER	Travel Time [usec]	Amp. Gate Start [usec]	Amp. Gate Width [usec]	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Amp Ref. [mV]	Shop Factor
CAL Pulse	219	216	30	168	25	0.482	100.00	0.20
3 Ft. Receiver	219	216	30	1	194	0.990	100.00	0.19
5 Ft. Receiver	329	332	30	282	25	7.049	150.00	0.21
Radial #1	219	216	30	1	192	-0.983	100.00	0.19
Radial #2	220	216	30	1	192	1.373	100.00	0.19
Radial #3	220	216	30	1	192	2.802	100.00	0.19
Radial #4	219	216	30	1	192	3.724	100.00	0.19
Radial #5	219	216	30	1	192	3.111	100.00	0.19
Radial #6	218	216	30	1	192	4.657	100.00	0.19
Radial #7	217	216	30	1	192	-1.229	100.00	0.18
Radial #8	219	216	30	1	192	-1.791	100.00	0.19

TOOL DIAGRAM

OTA SHORT CABLE HEAD	
CENTRALIZER	
Series	RALCENT
Mnemonic	CENT
Diameter	3.12"
Weight	20.00 lb

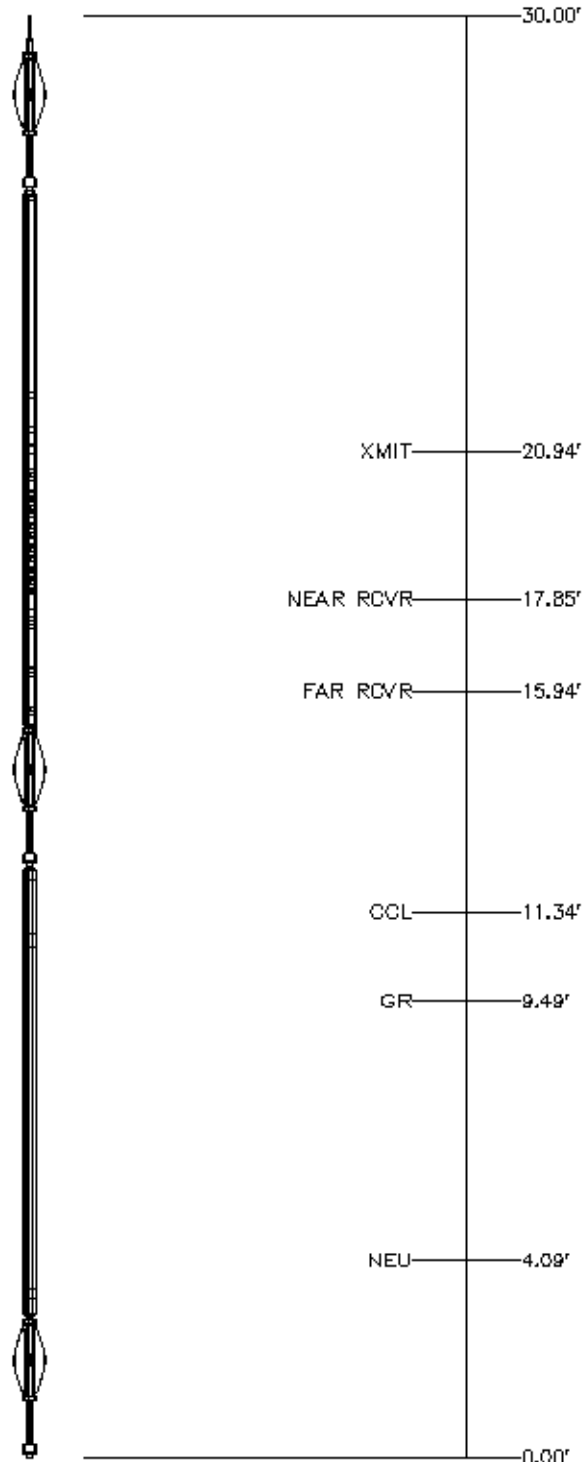
PROBE 2 3/4 DUAL RECEIVER RADII (1426XA)

CENTRALIZER	
Series	RALCENT
Mnemonic	CENT
Diameter	3.12"
Weight	20.00 lb

Probe GR/CCL/NEU

Series	2459XA
Mnemonic	PROB
Diameter	2.75"
Length	9.42'
Measure Point	1.21' NEU
Measure Point	6.60' GR
Measure Point	8.46' CCL

CENTRALIZER	
Series	RALCENT
Mnemonic	CENT
Diameter	3.12"
Weight	20.00 lb



Total Length: 30.00'

Total Weight: Not Available

Max Diameter: 0' 3.12"



Company	CONOCOPHILLIPS		
Well	NPM #CP07A-05 A05 596		
Field	NORTH PARACHUTE MESA		
County	GARFIELD	State	COLORADO

File No:	1439A
API No:	05-046-14533

Location

SHL : 480' FNL & 528' FEL NE NE
BHL : 1630' FNL & 1650' FEL SW NE

Elevations

KB 8418
DF 8417

VER:5.3

Baker Atlas

CASE

07/00

SEC 5 TWP 5S RGE 9E

GL 8402