



Run	Trip	Tool	Series Number	Serial Number	Position
1	1	WANDREL	1426XA	1000	CENTRALIZED
1	1	GAMMA RAY/TEMP	1355XA	11871507	CENTRALIZED

## MAIN SECTION

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	353.354	usec	16.883	7310.000
RAL	Amp Gate Start Near	236.845	usec	16.883	7310.000
RAL	Amp Gate Start Radial	236.845	usec	16.883	7310.000
RAL	Amp Gate Width Far	30.000	usec	16.883	7310.000
RAL	Amp Gate Width Near	30.000	usec	16.883	7310.000
RAL	Amp Gate Width Radial	30.000	usec	16.883	7310.000
RAL	casing od	7.000	inches	16.883	7310.000
RAL	casing wt	26.000	lbm/ft	16.883	7310.000
RAL	FB Start Far	328.354	usec	16.883	7310.000
RAL	FB Start Near	211.845	usec	16.883	7310.000
RAL	FB Start Radial	211.845	usec	16.883	7310.000
RAL	FB Thresh Far	10.000	mV	16.883	7310.000
RAL	FB Thresh Near	4.000	mV	16.883	7310.000
RAL	FB Thresh Radial	4.000	mV	16.883	7310.000
RAL	Fluid Travel Time	200.000	usec/ft	16.883	7309.691

## DEPTH OFFSETS (for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-14.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	ARB	CHV	FPR2
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-13.040	AFAR	SIG	TT5			
1355XA	-5.620	GCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : TEKTON ENERGY

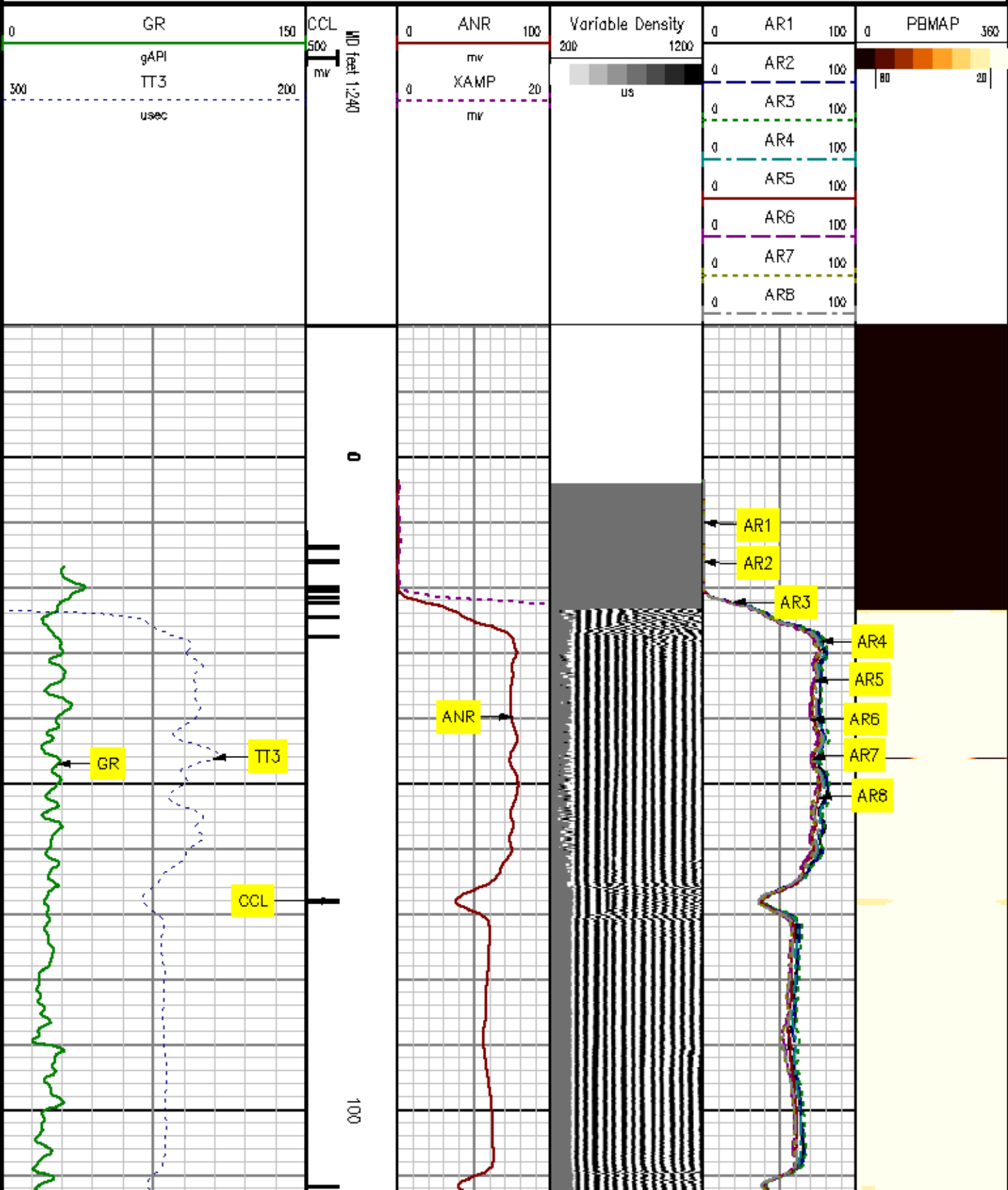
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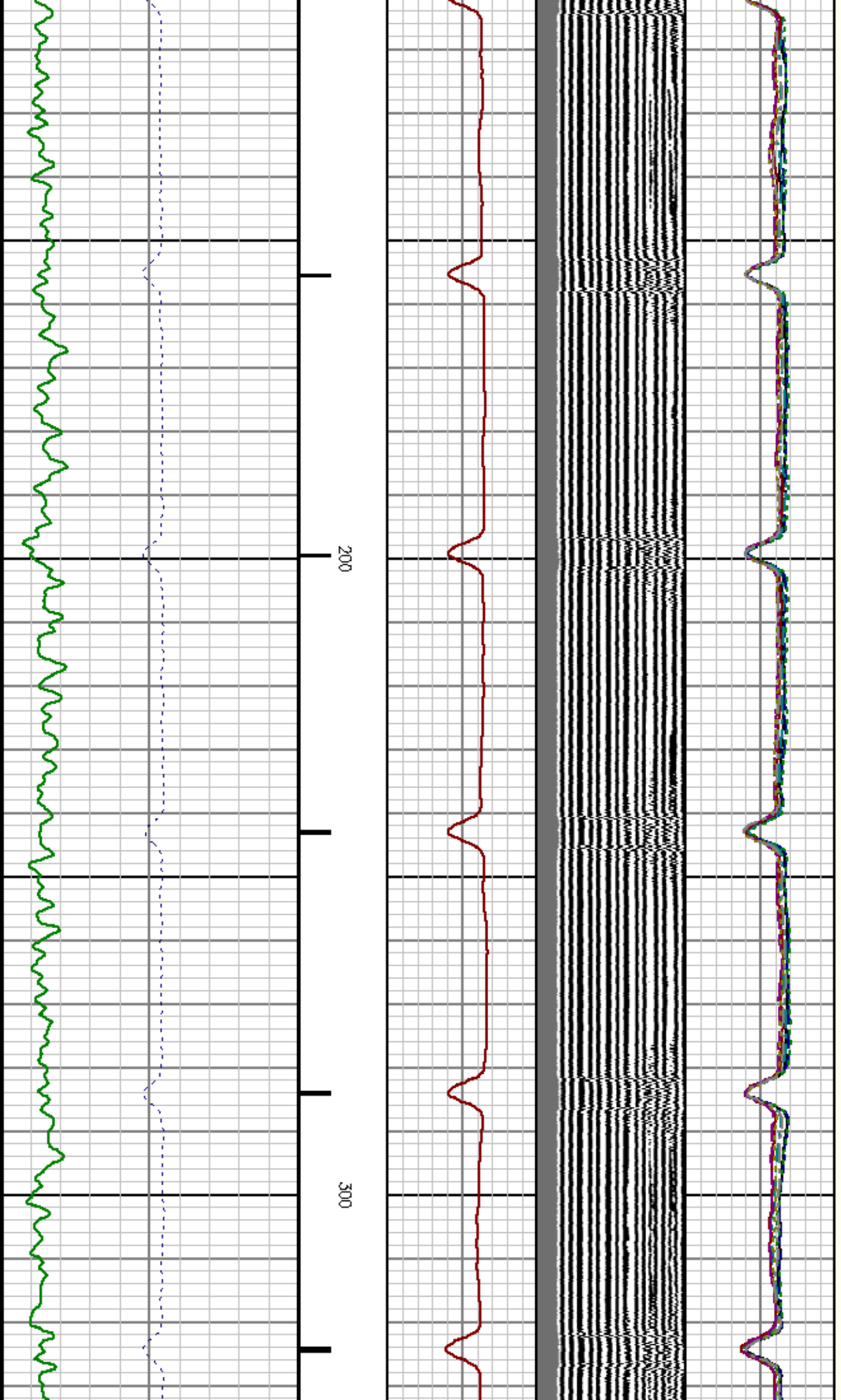
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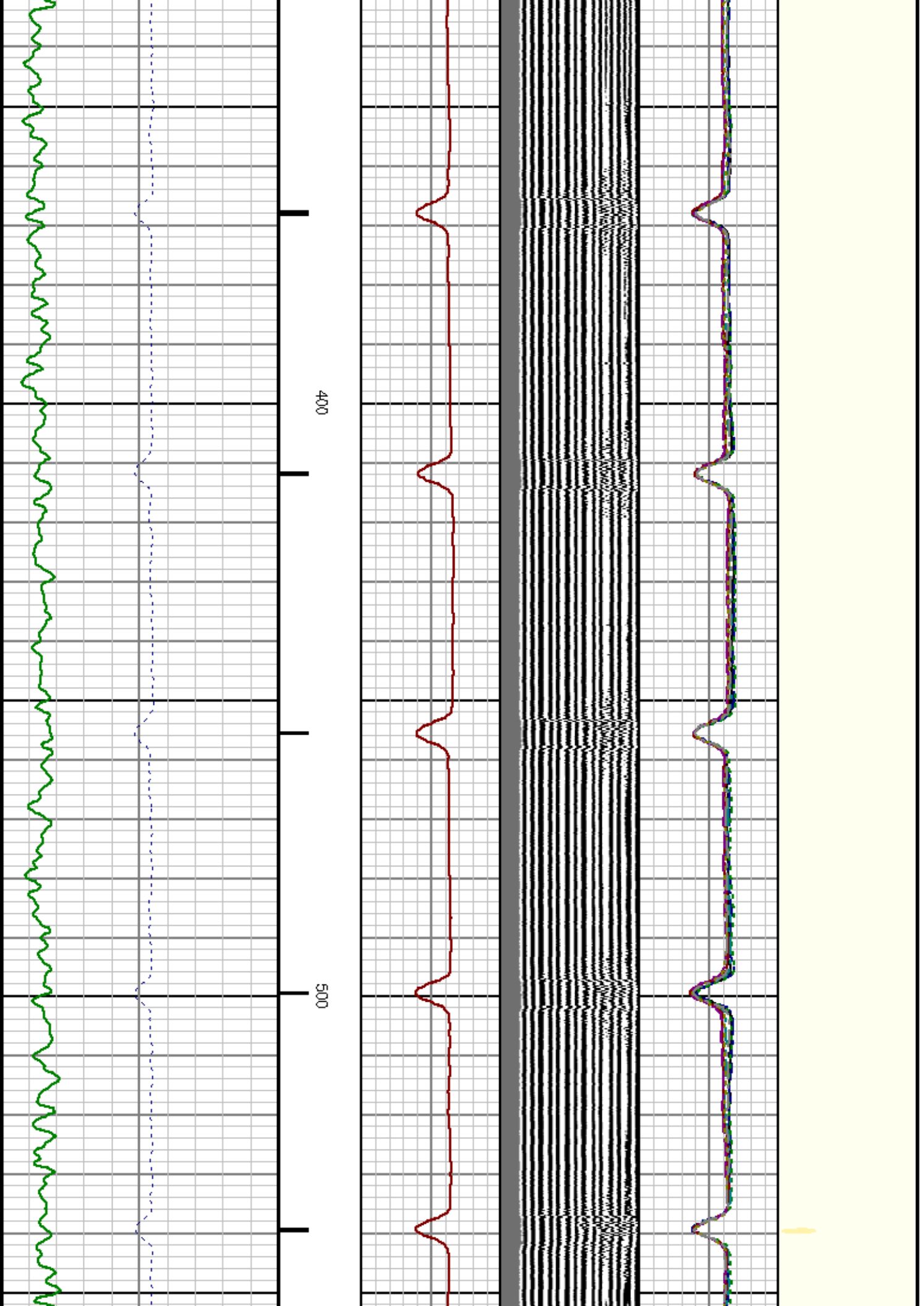
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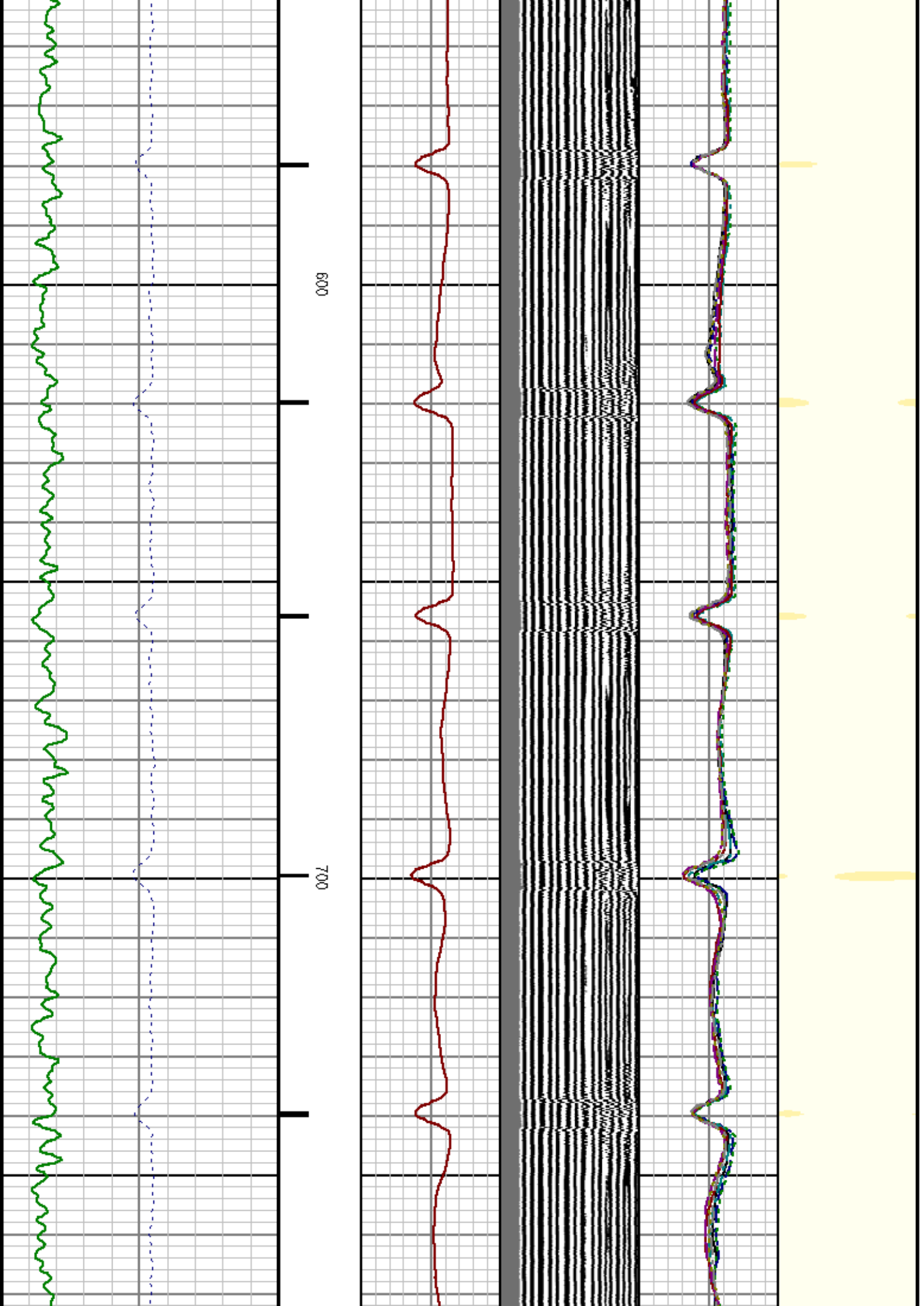
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Created : 4/8/2013 3:16:59 PM

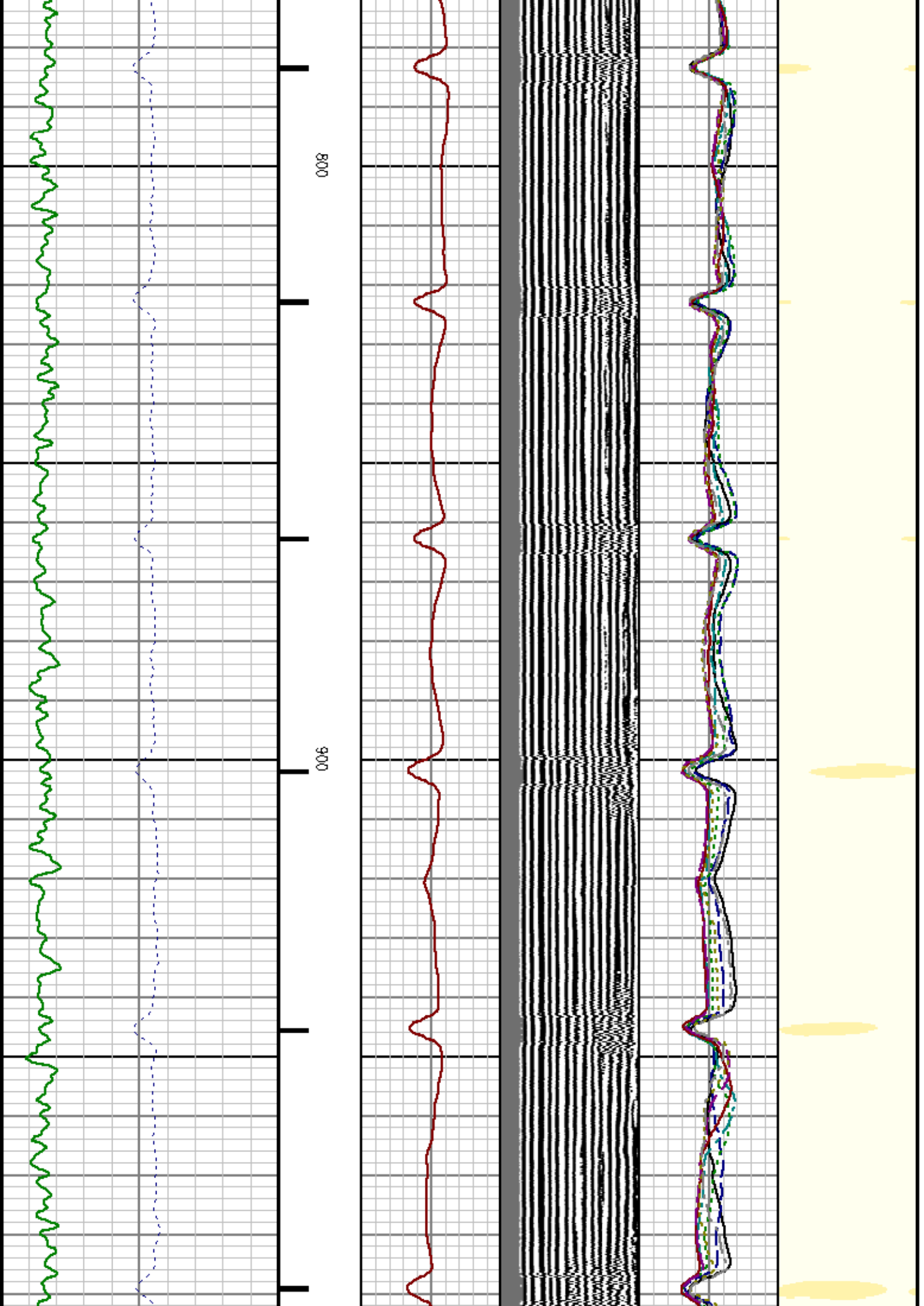


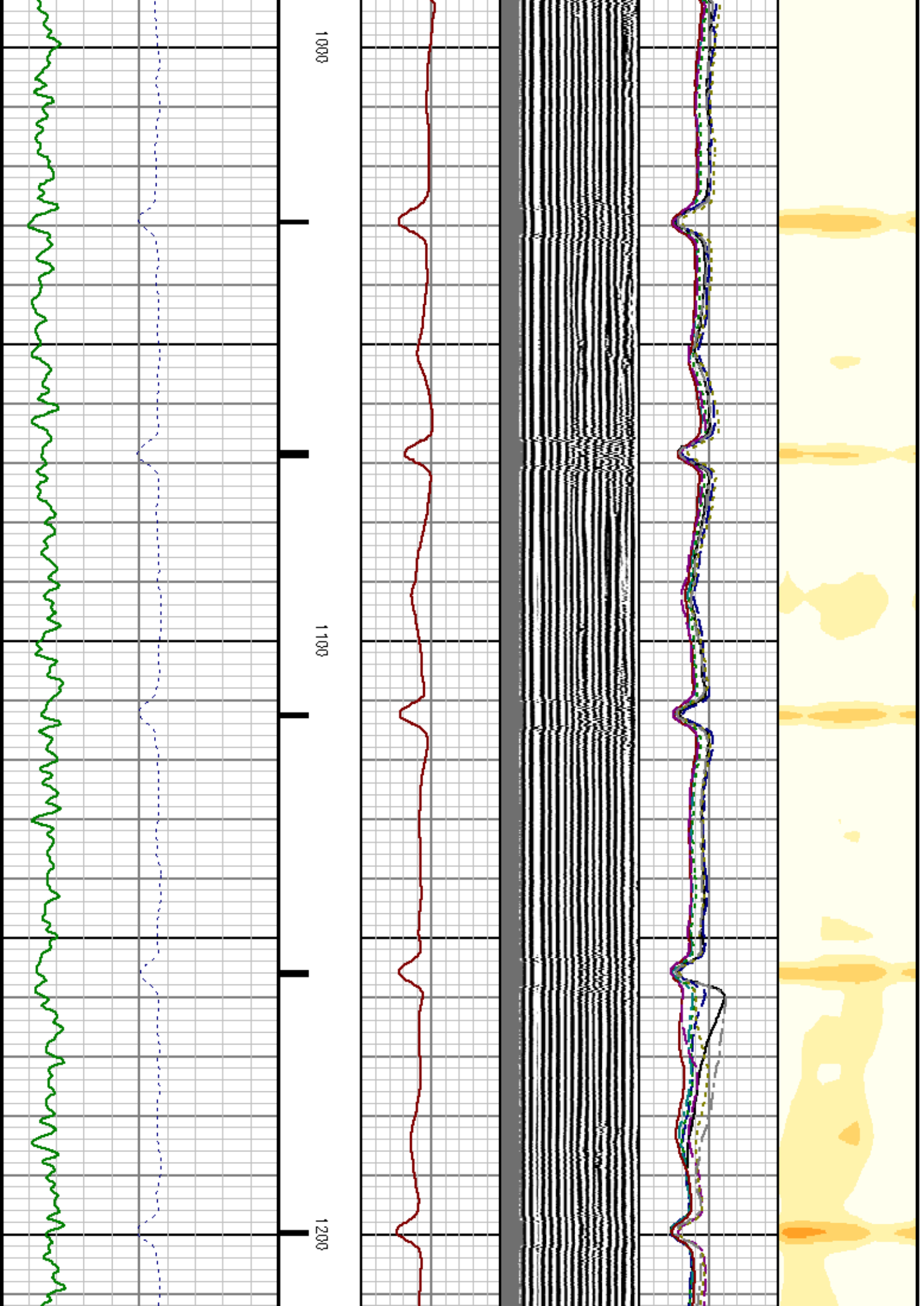




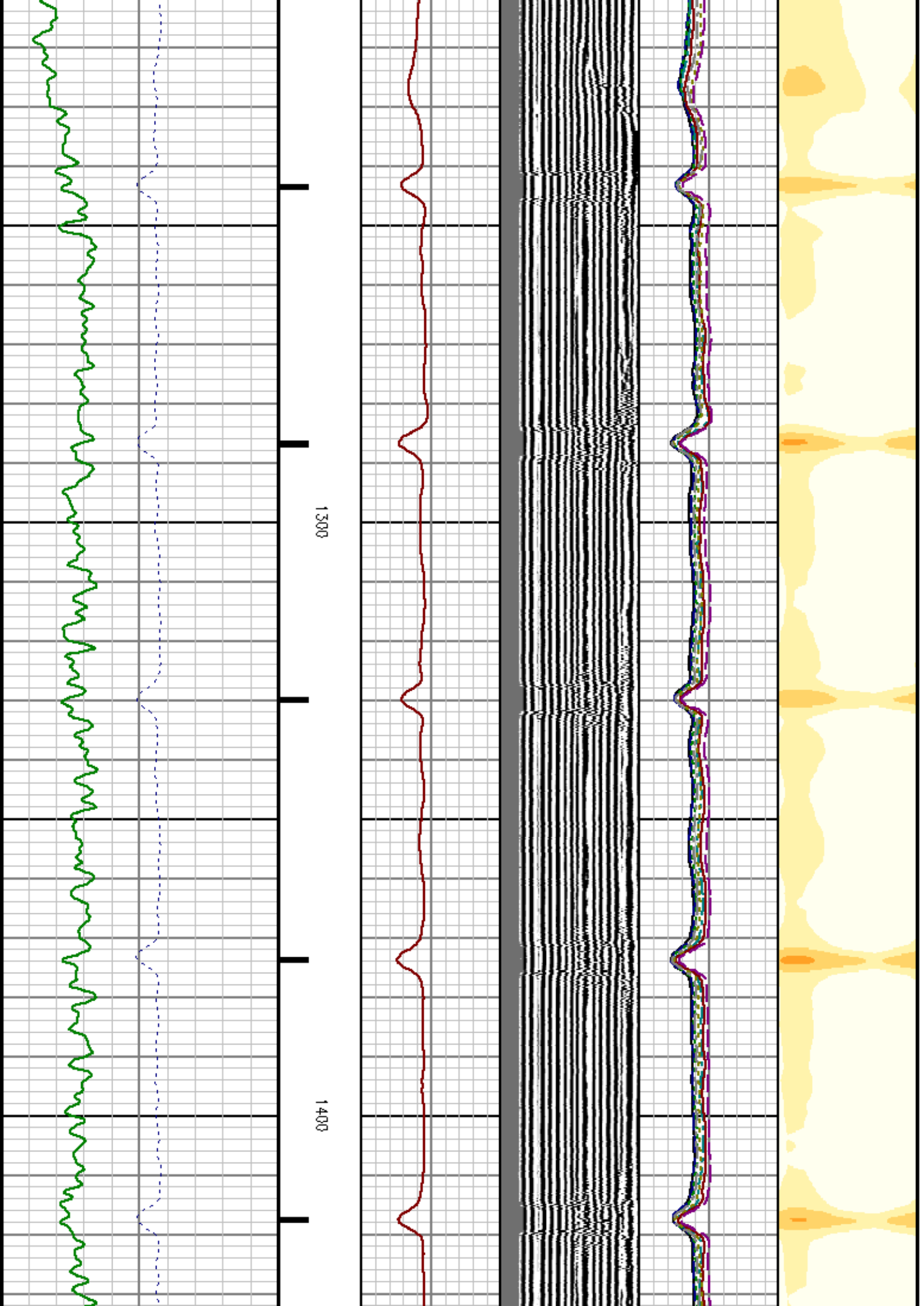


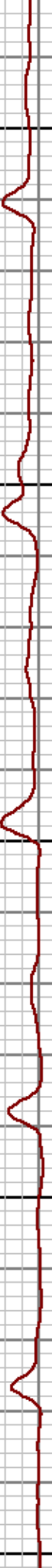
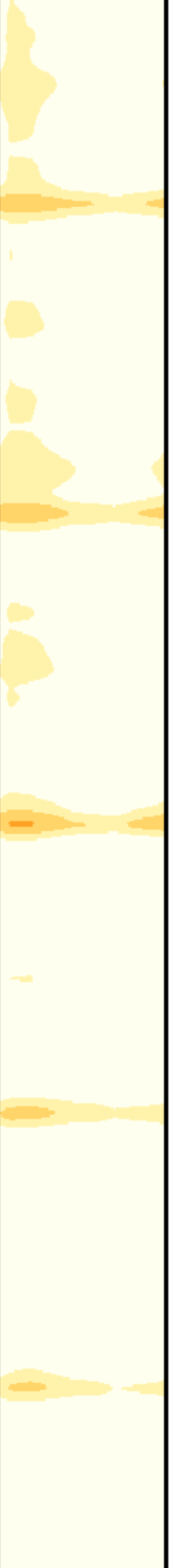








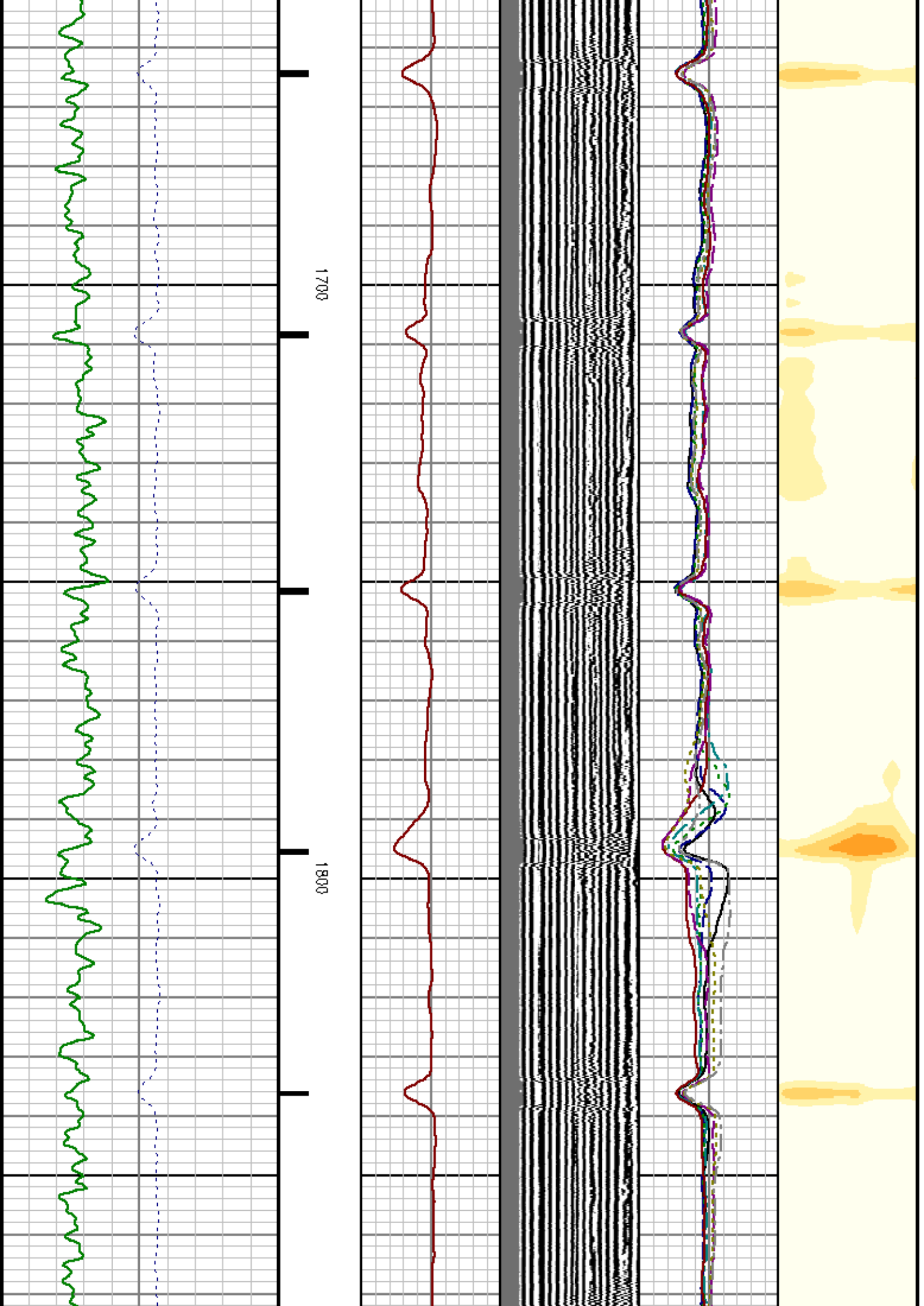


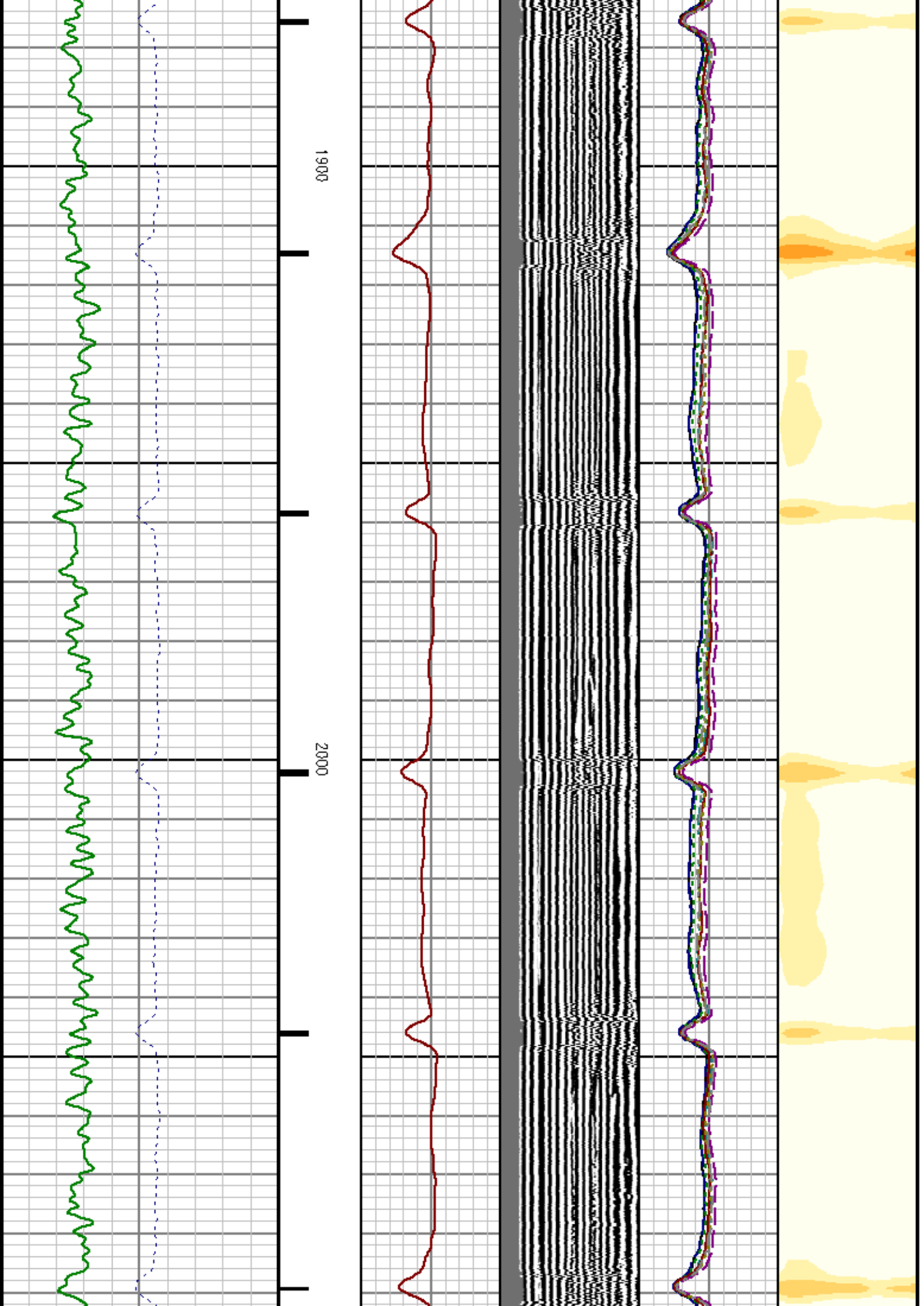


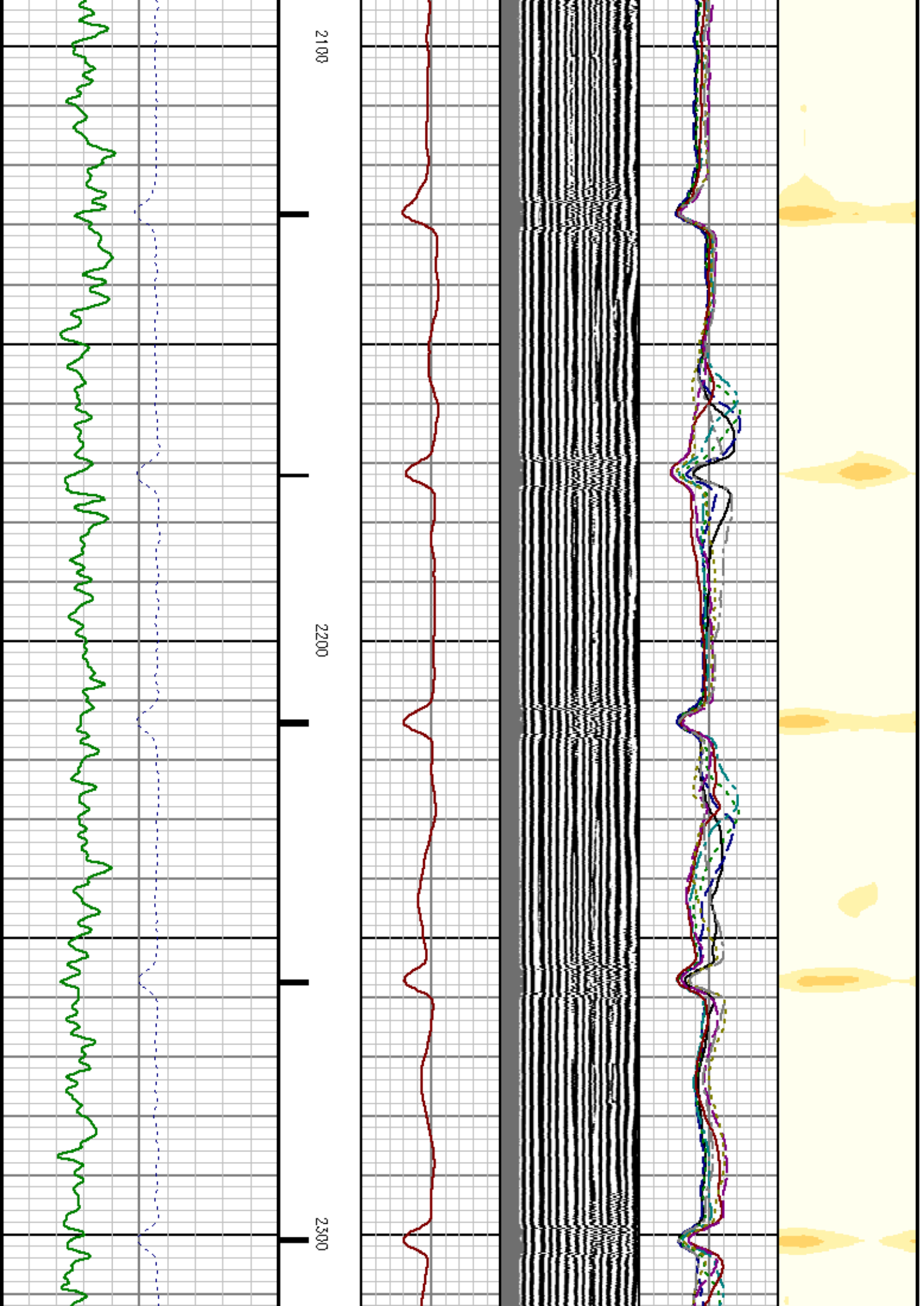
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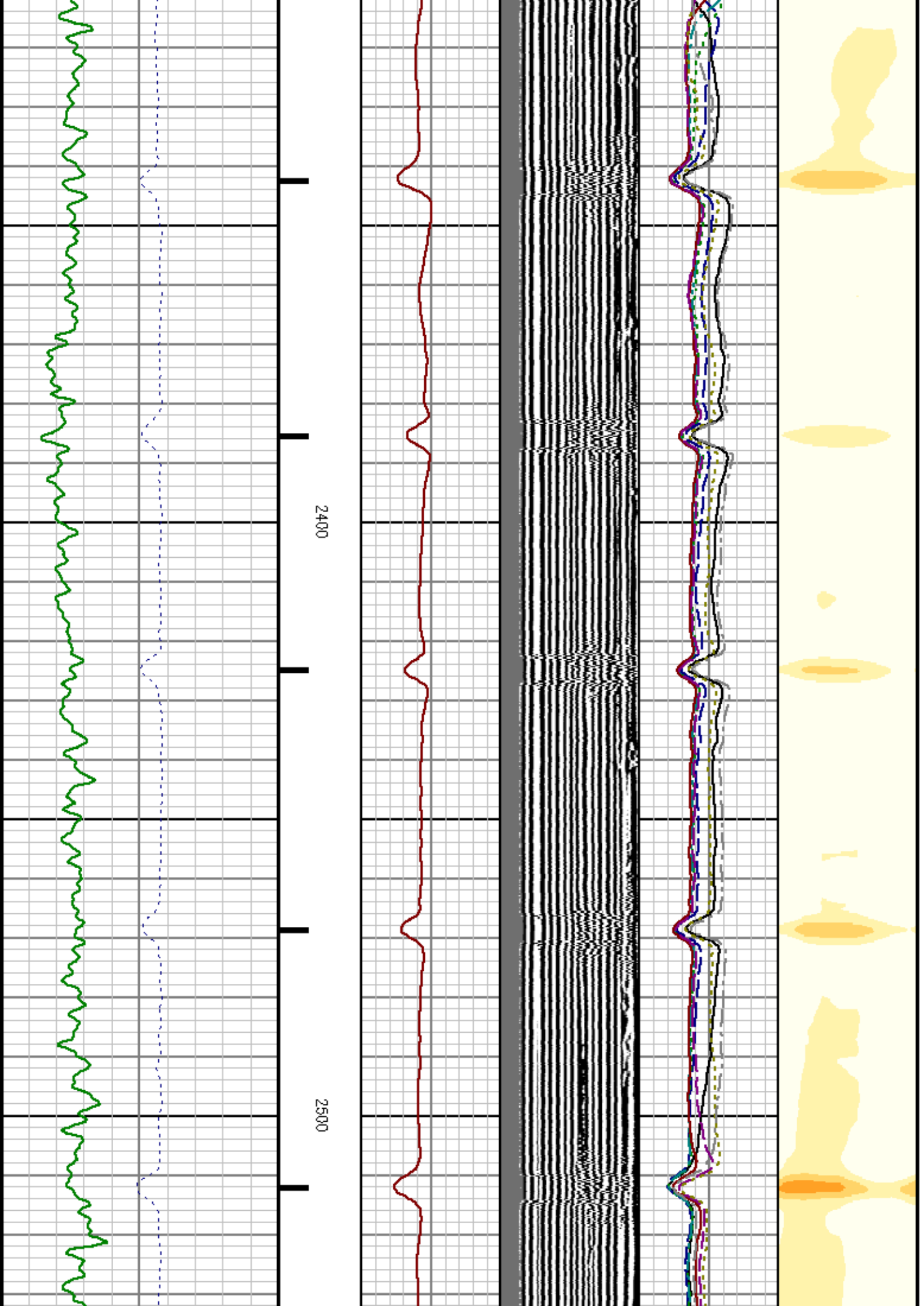




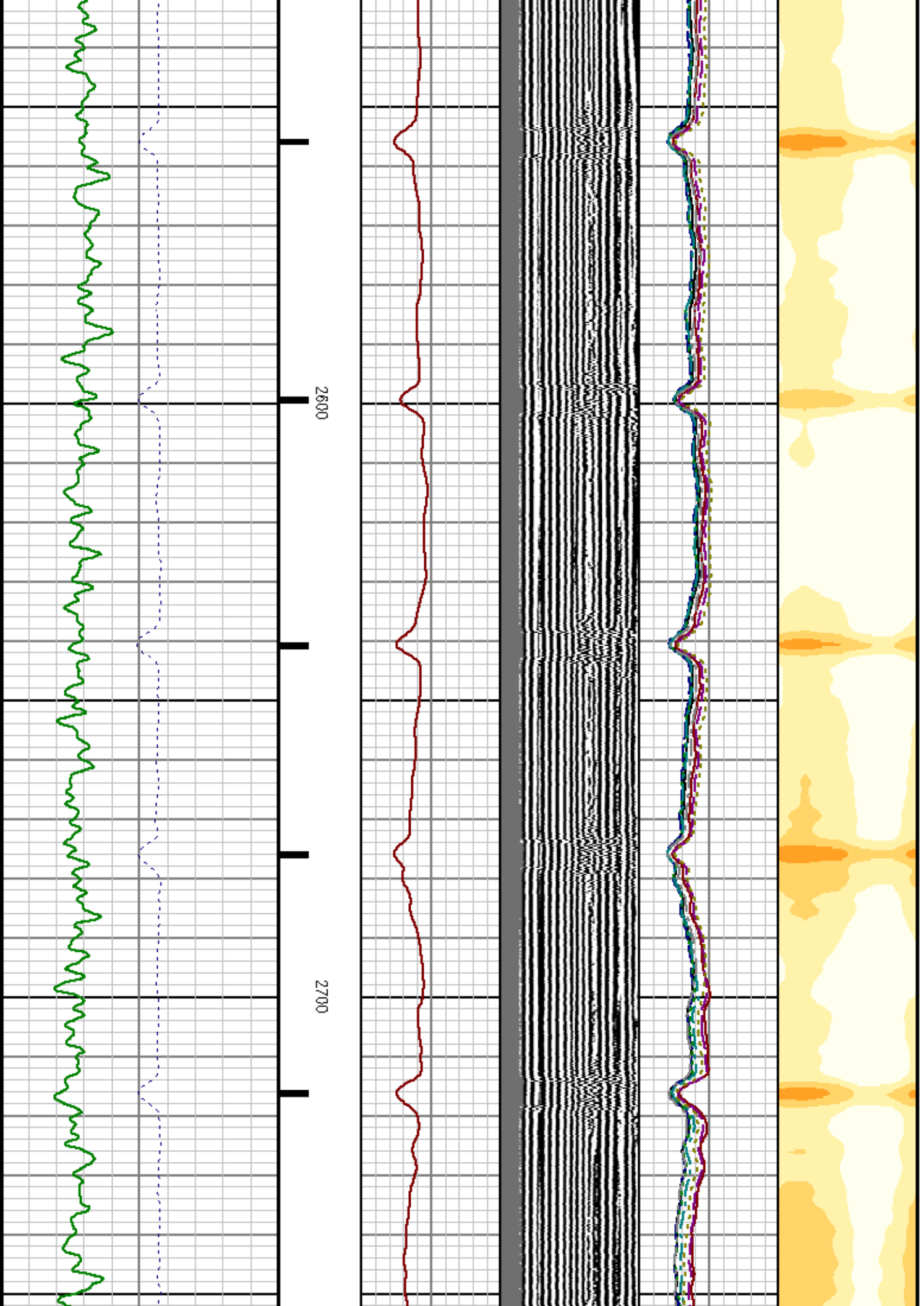


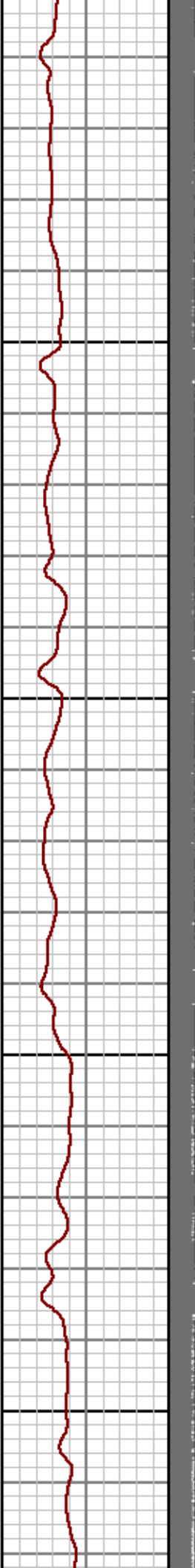
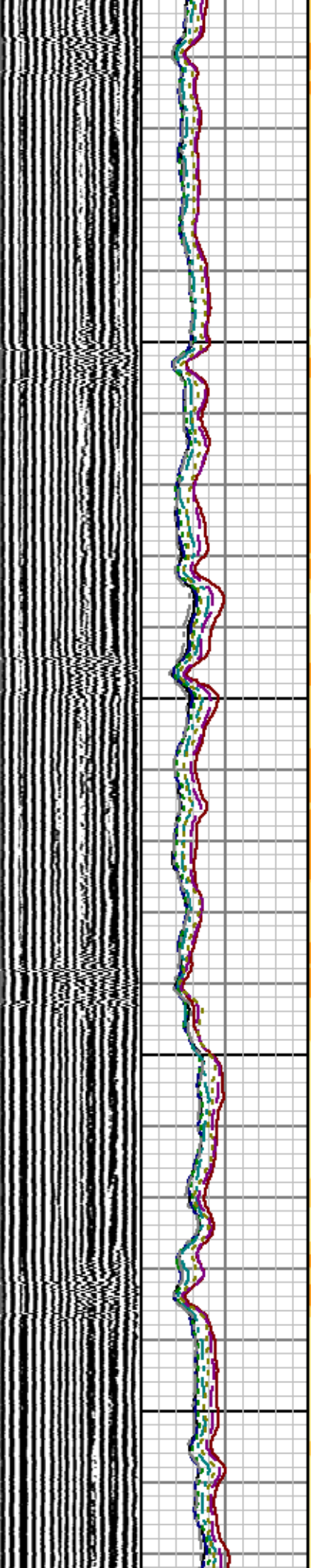






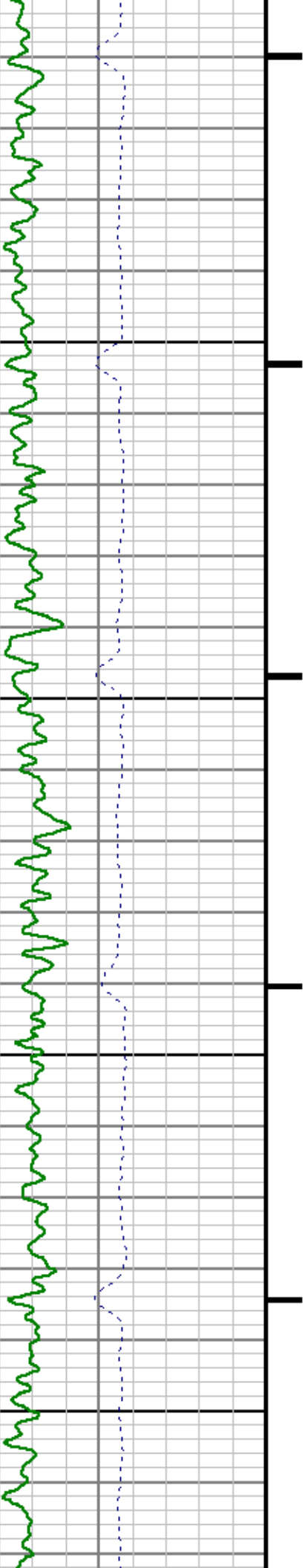


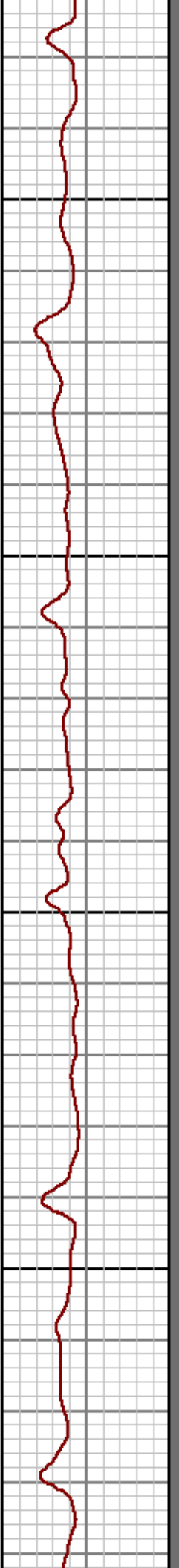
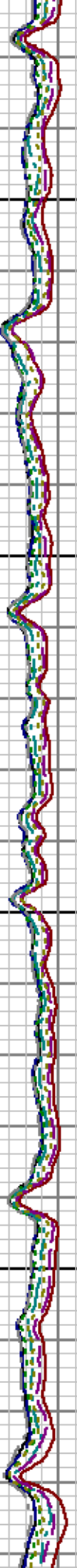




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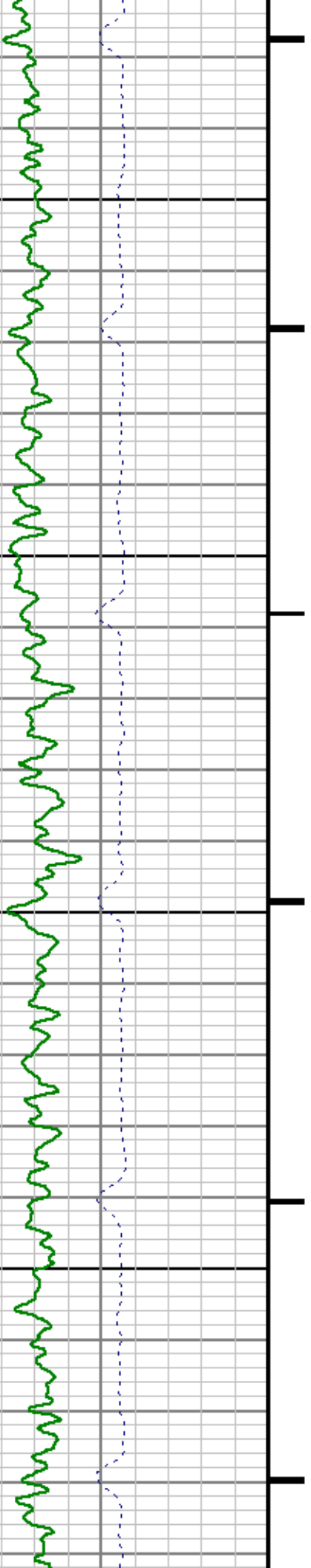
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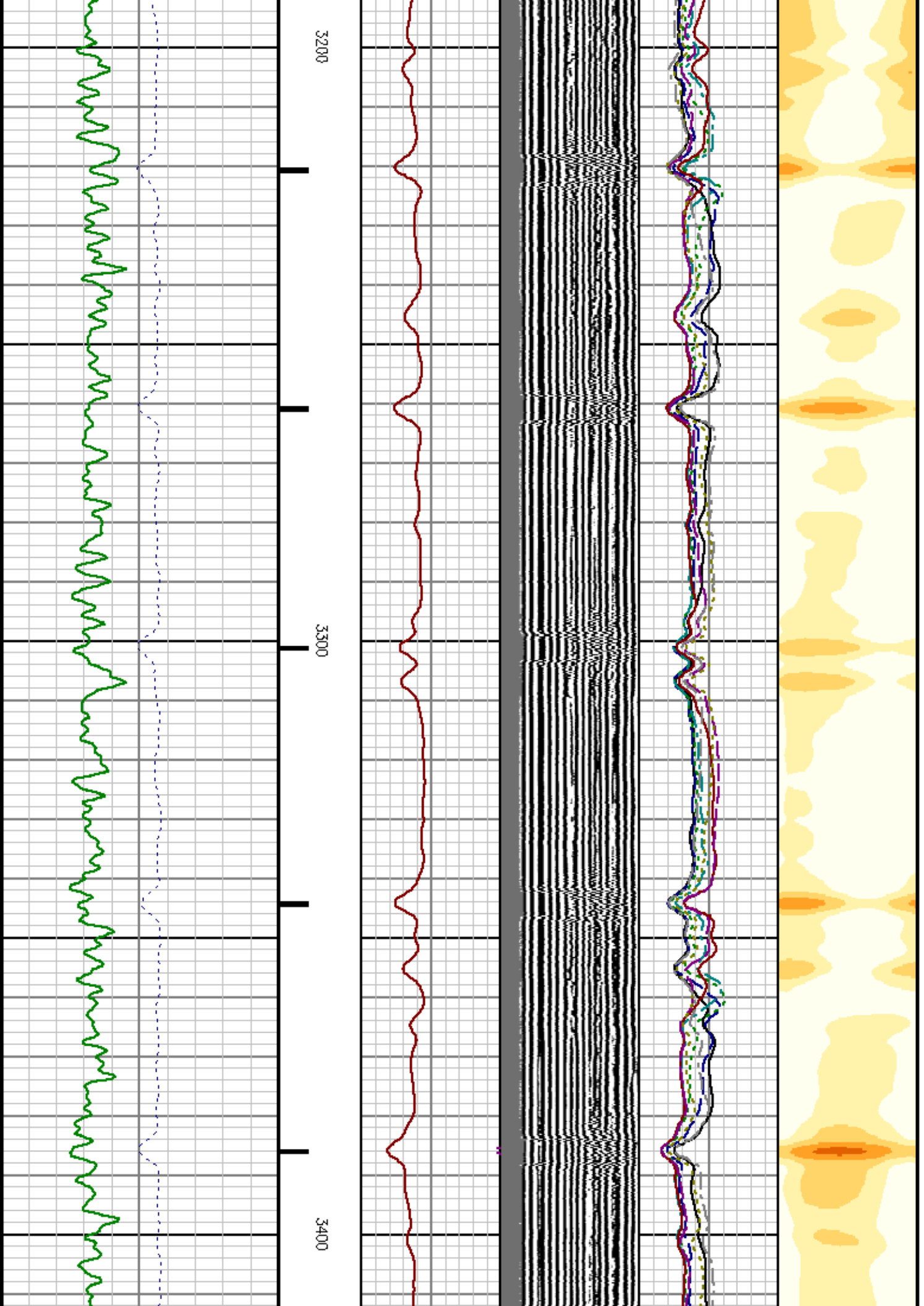




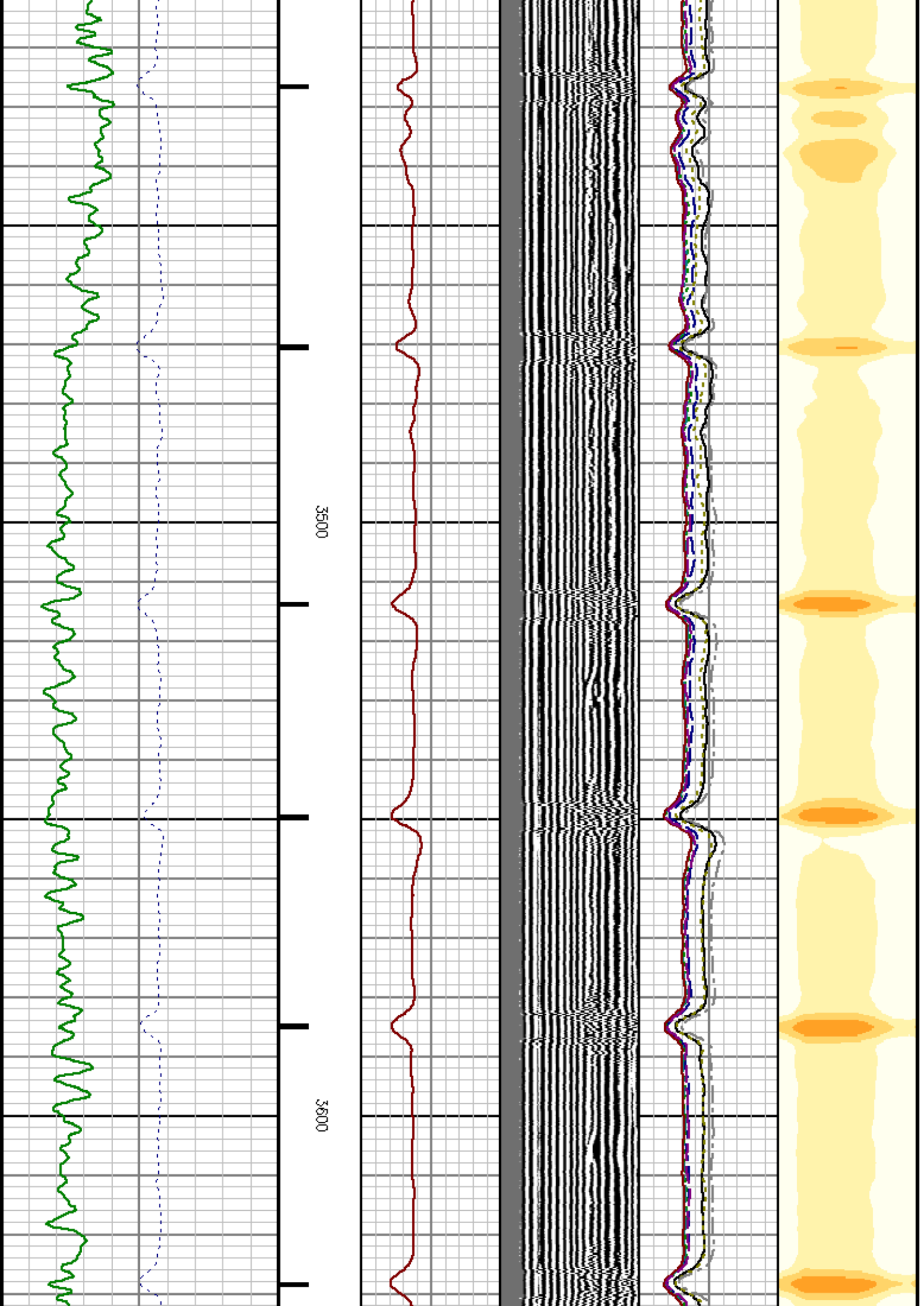
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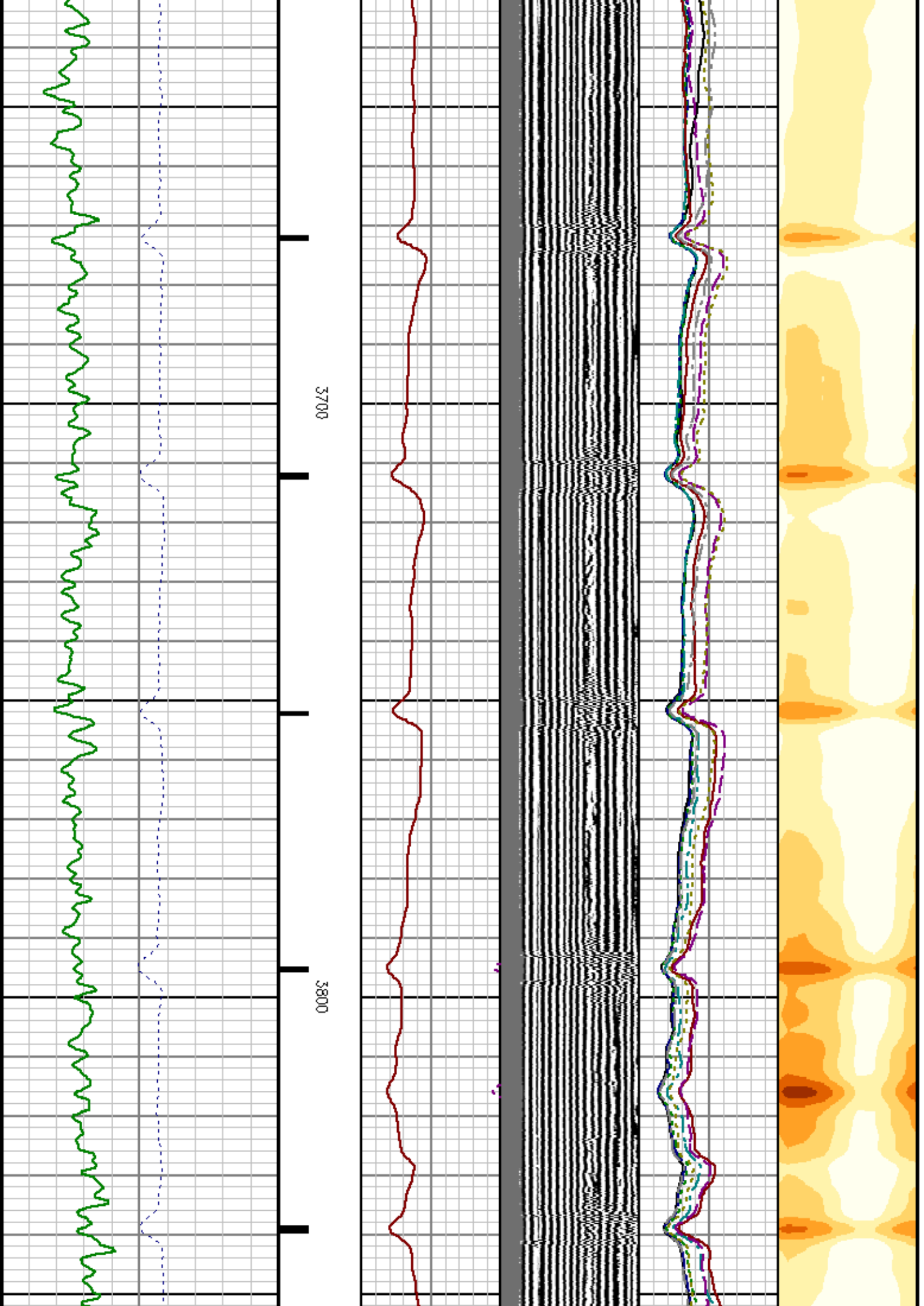
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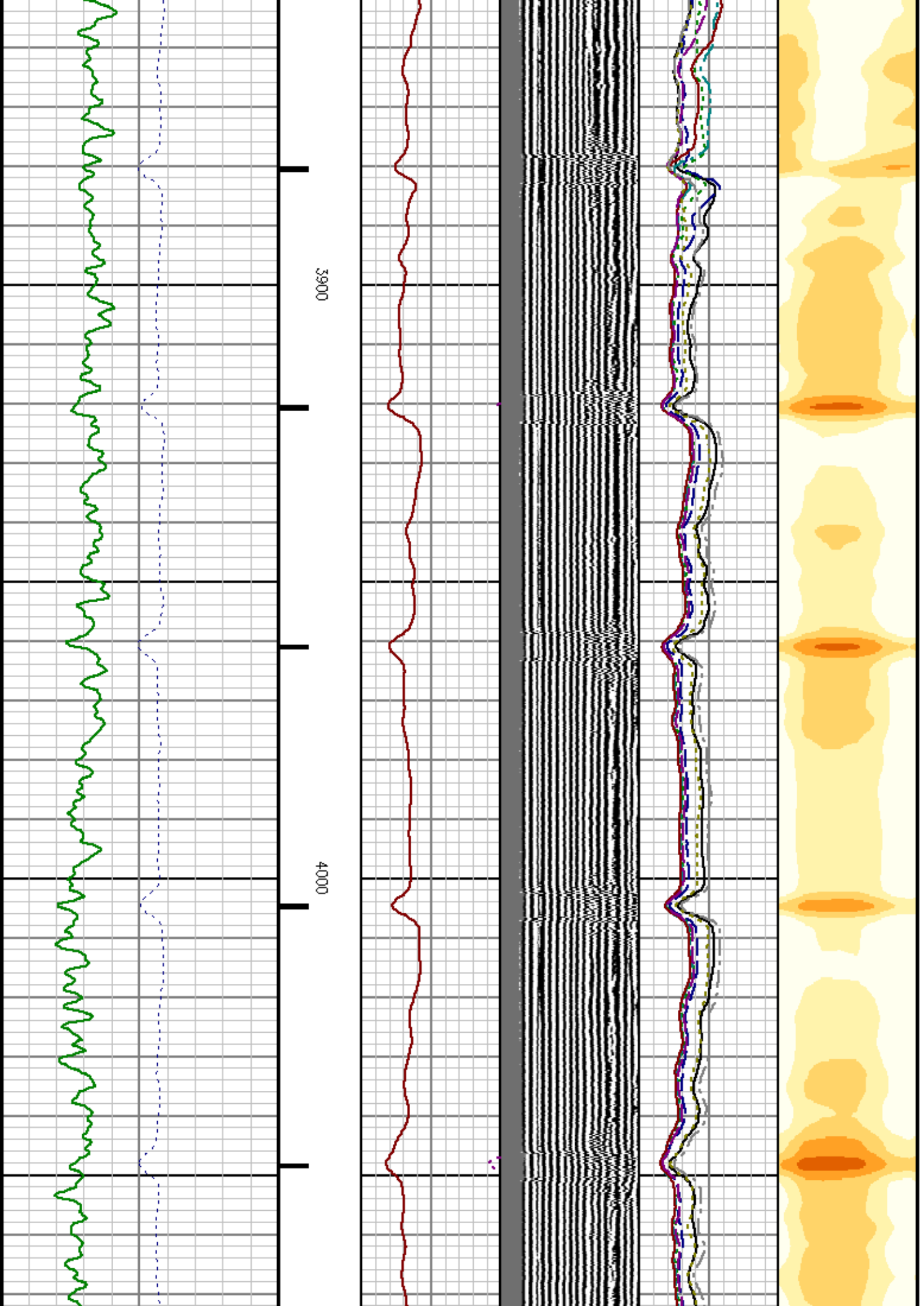


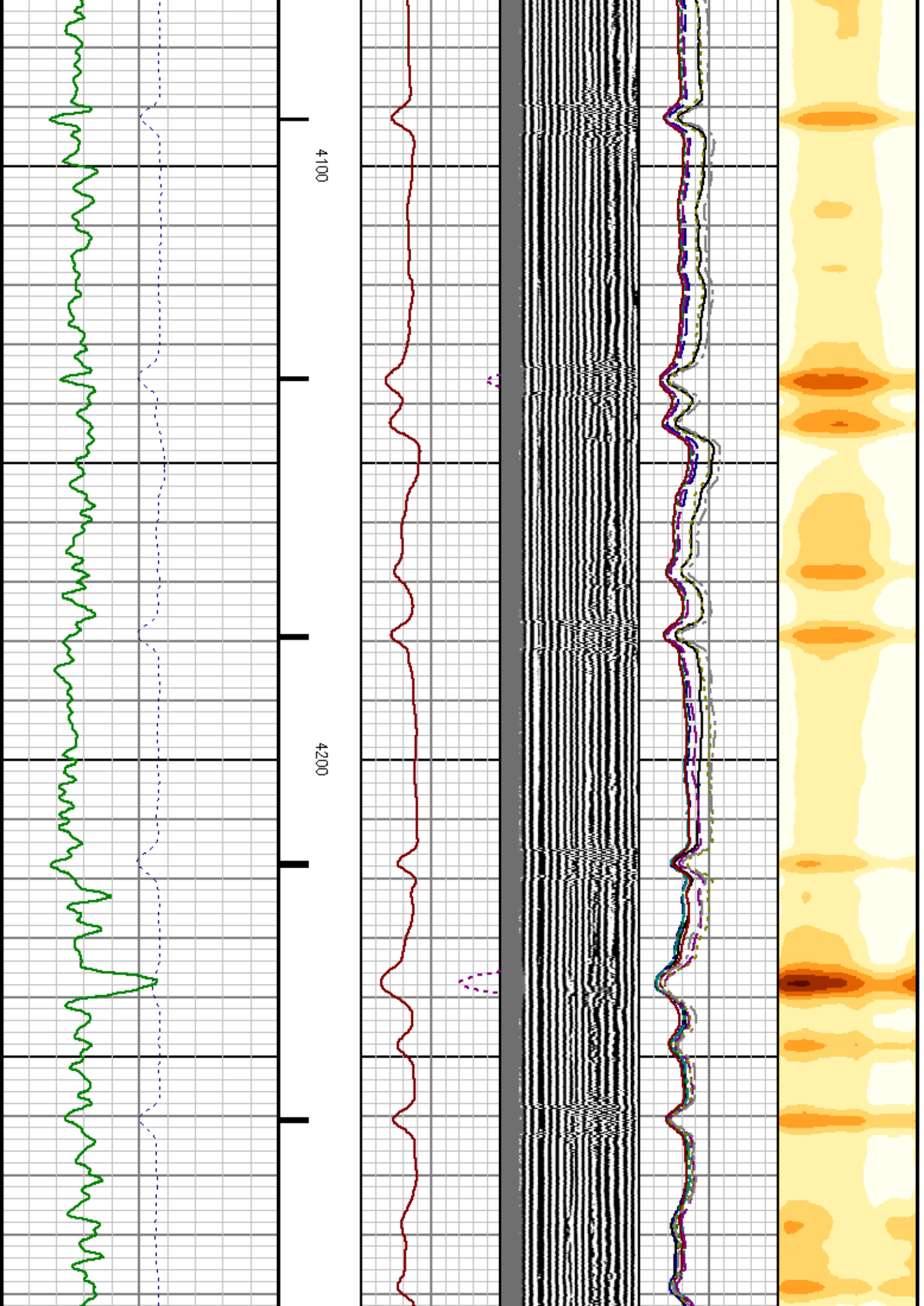


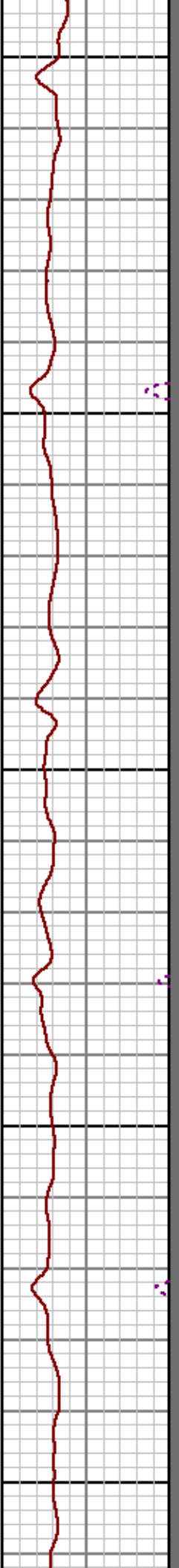
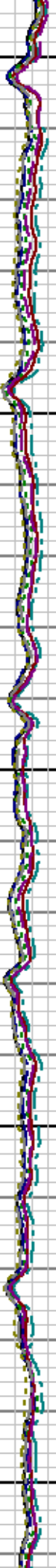










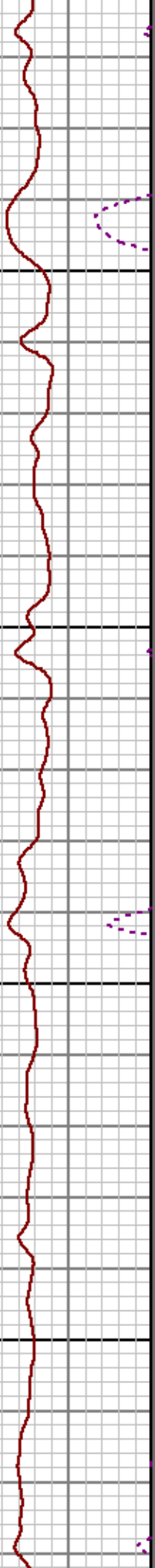
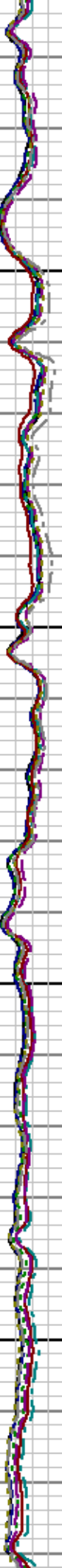


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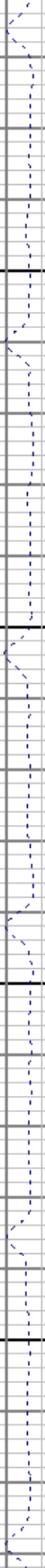
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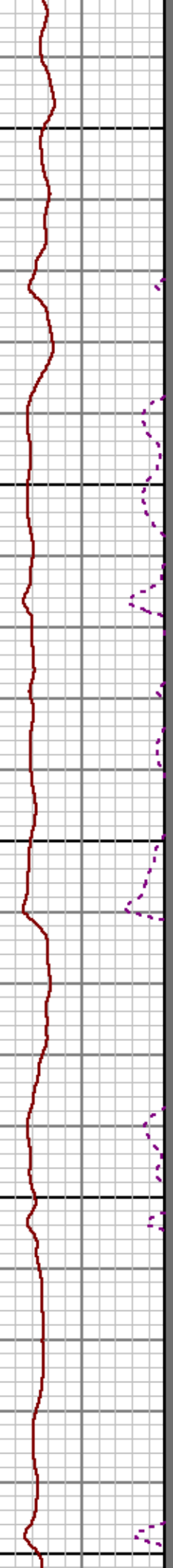
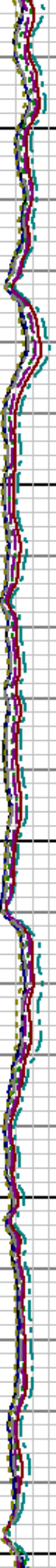


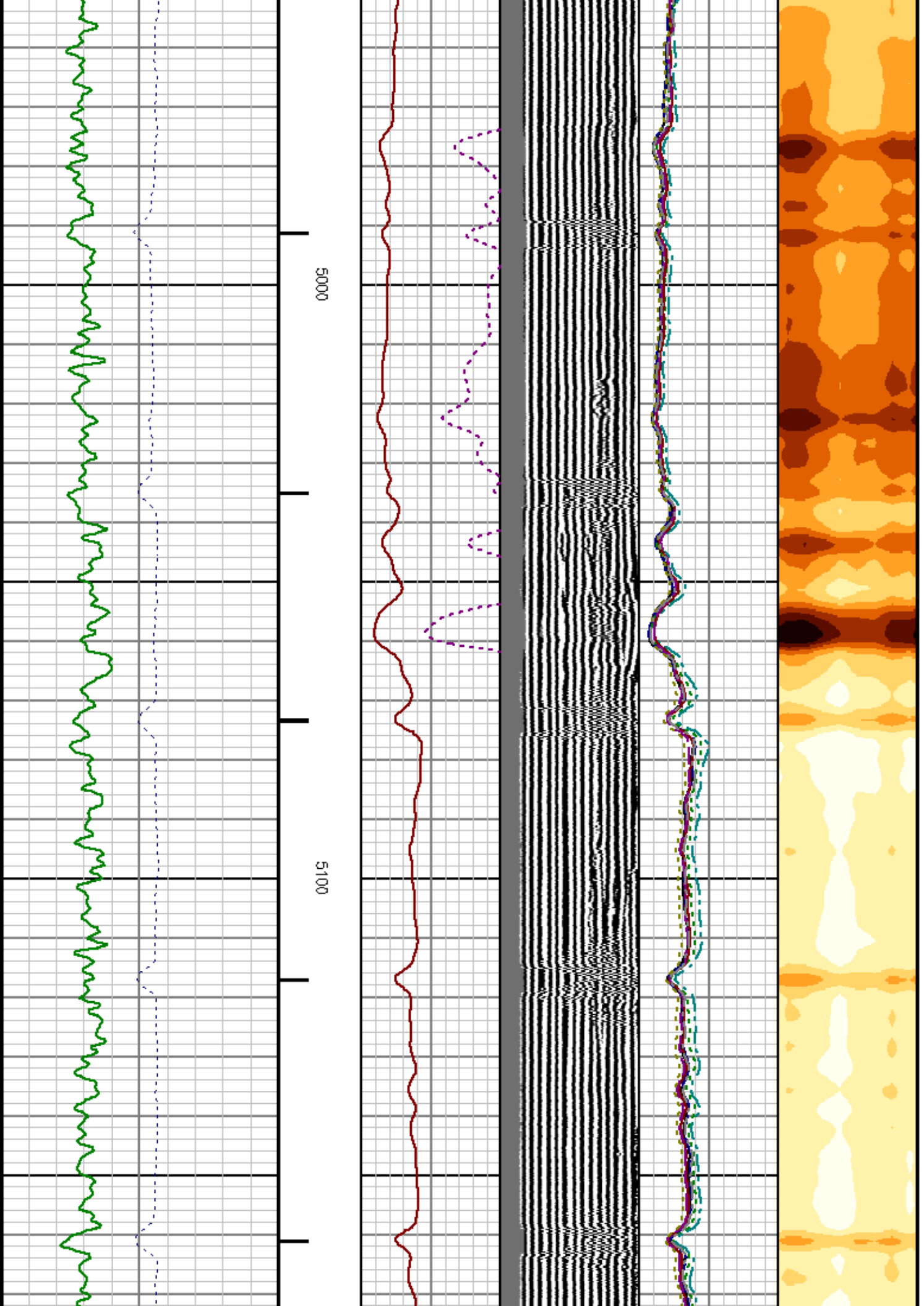
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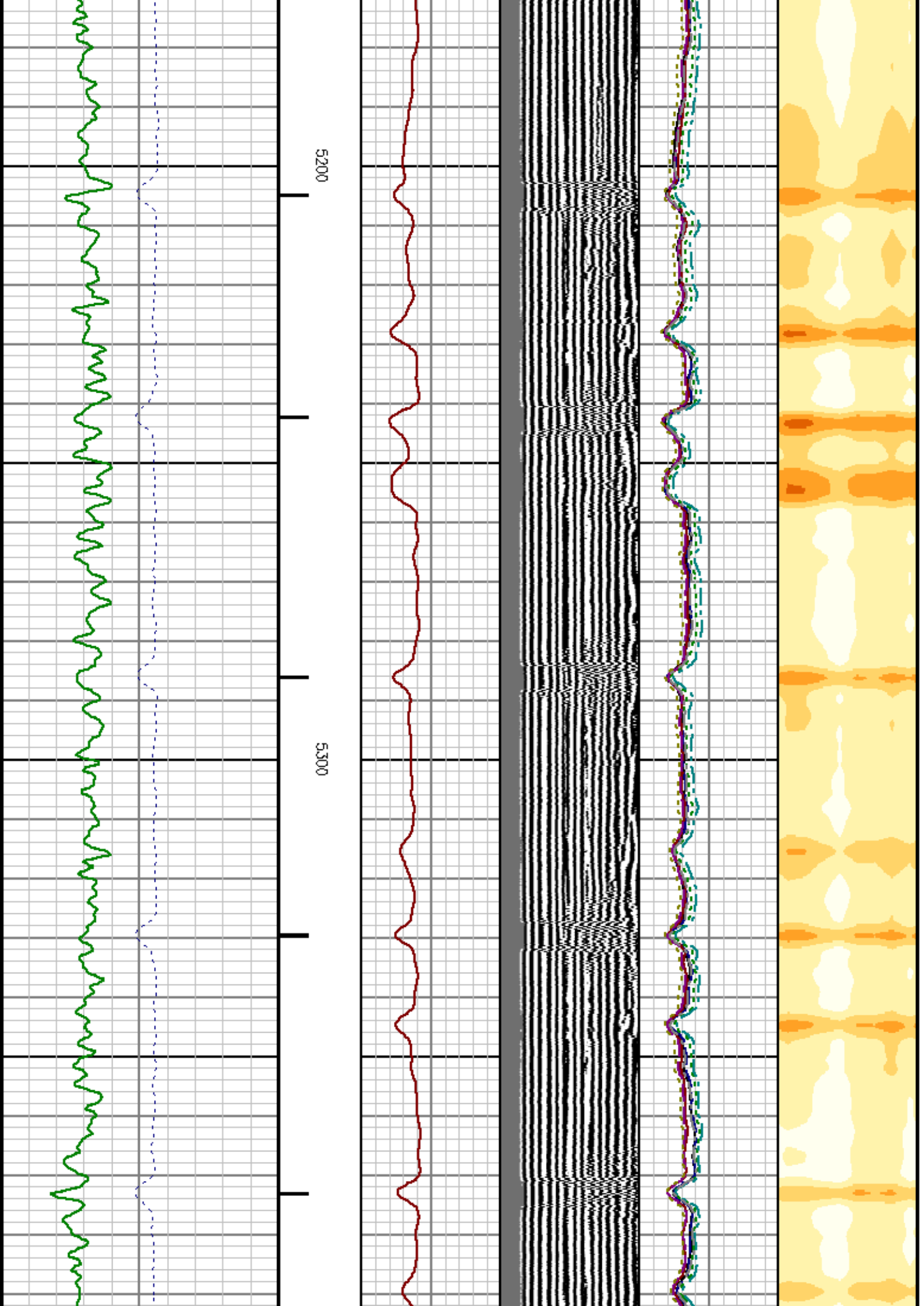


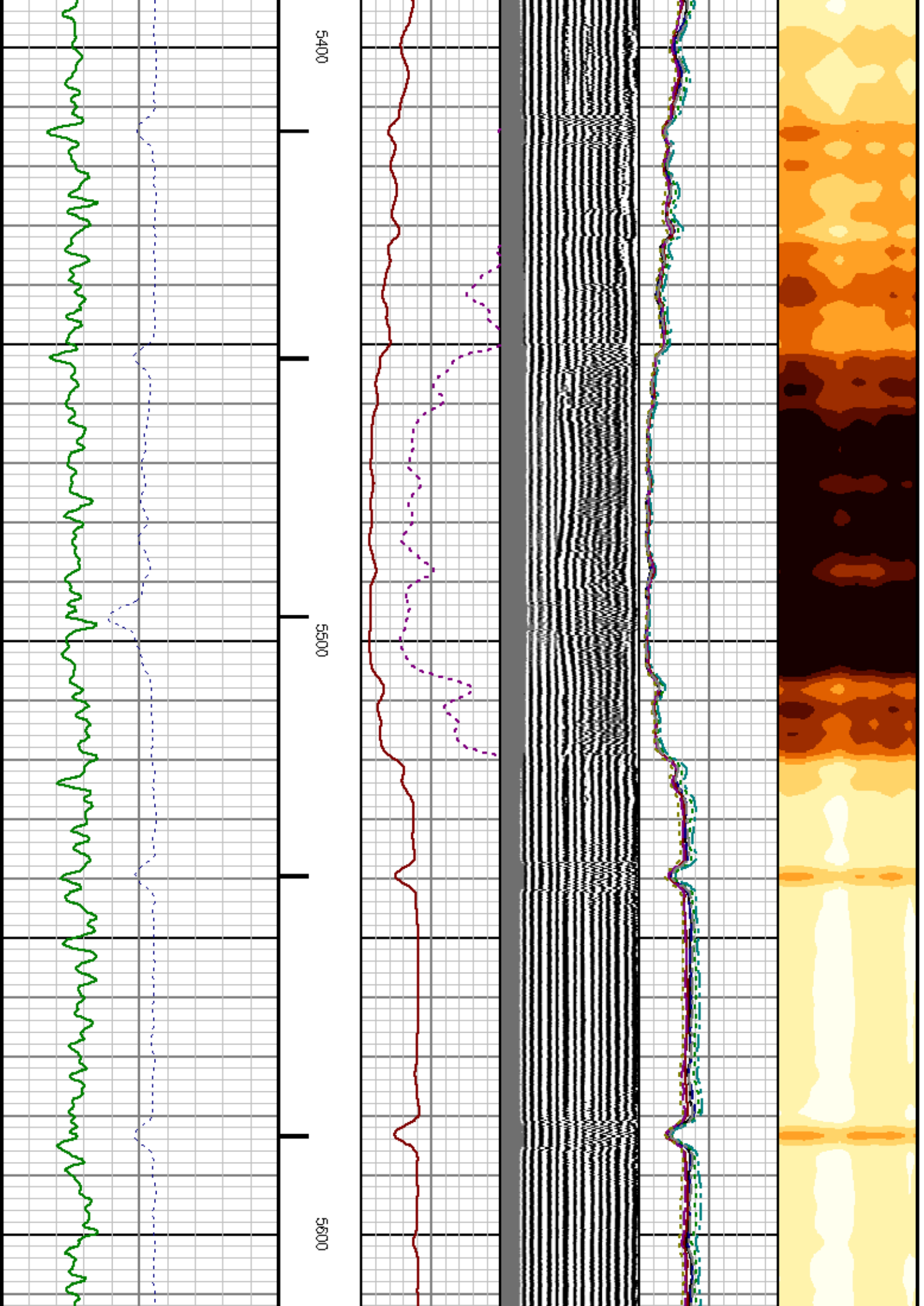


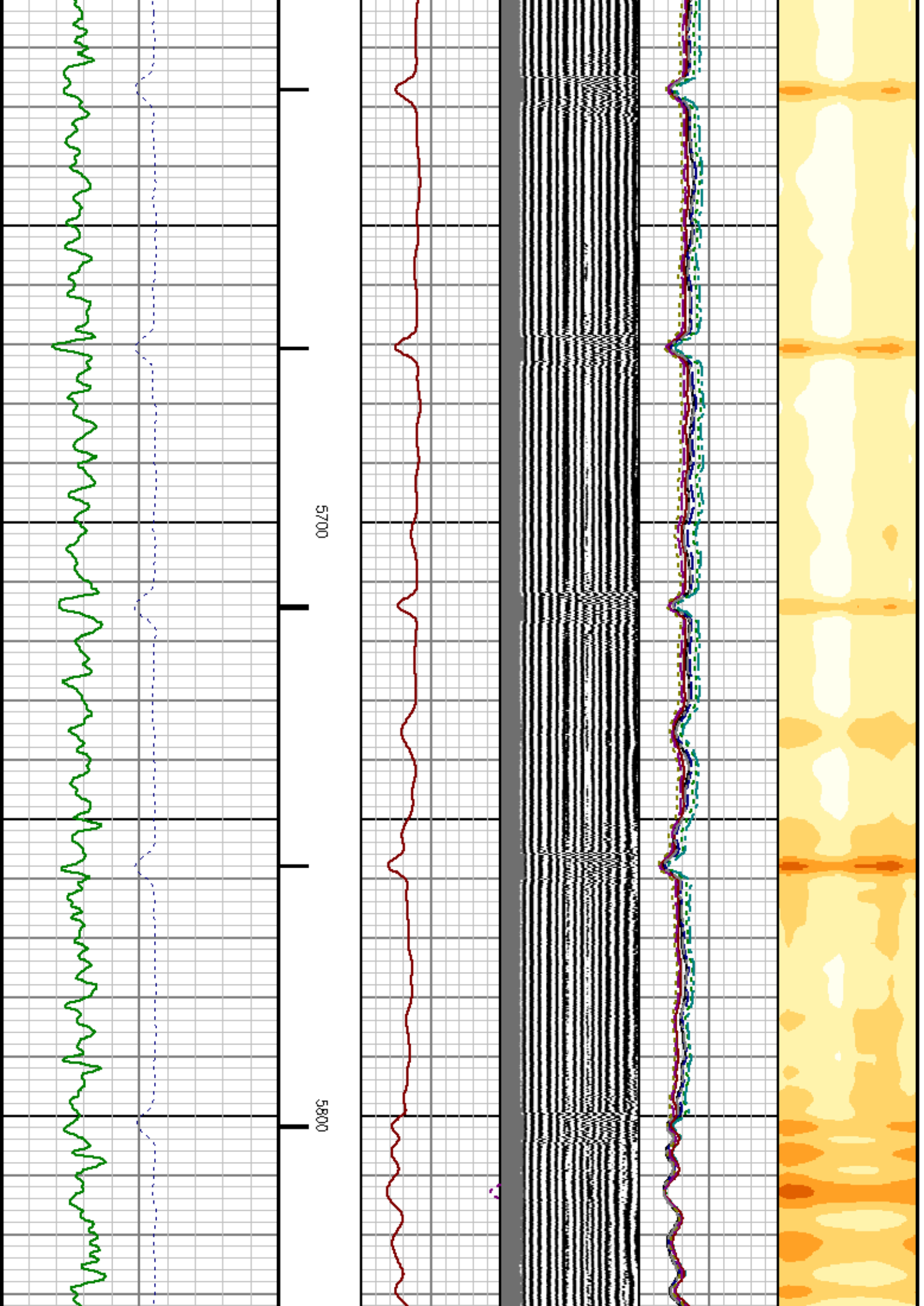


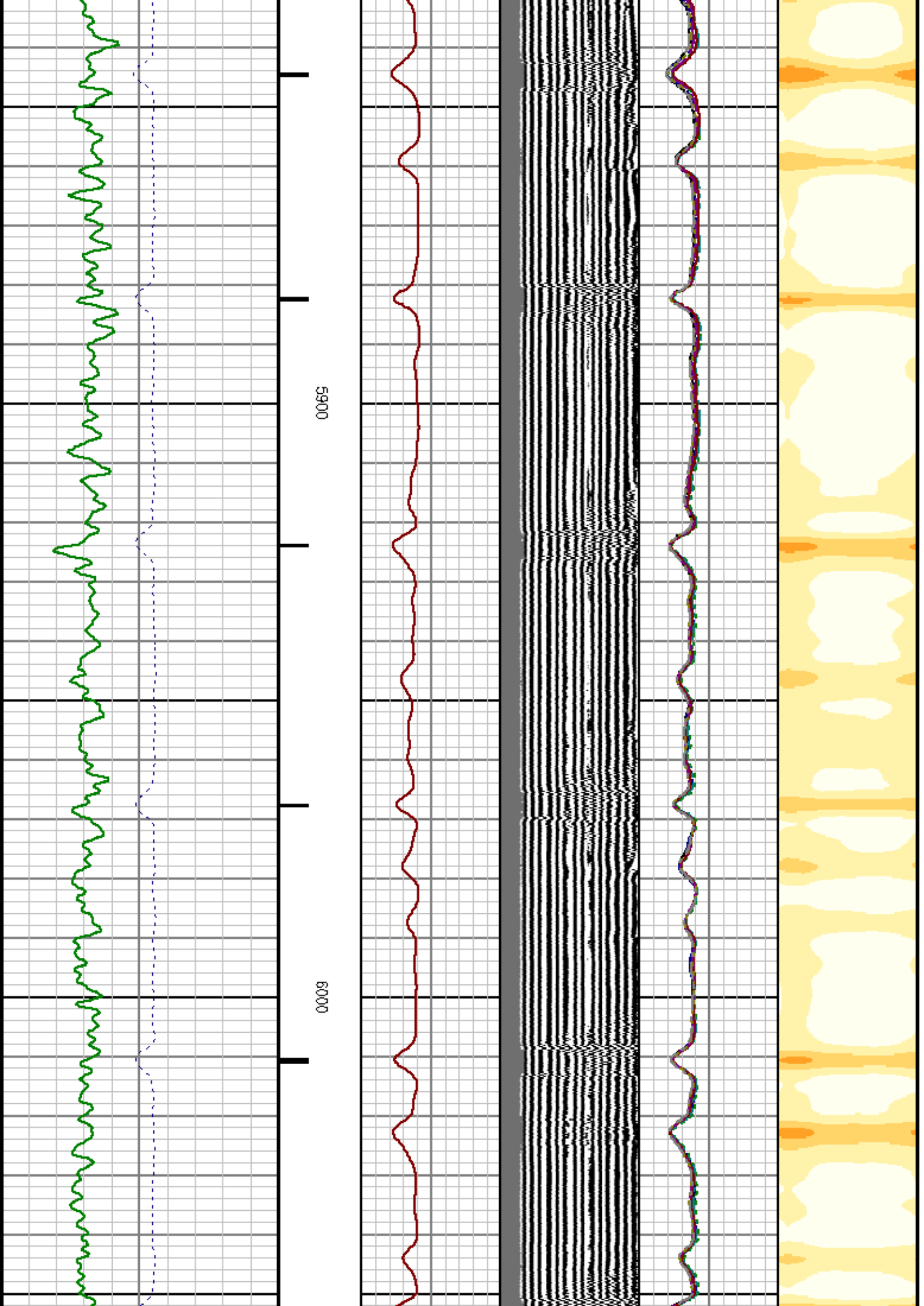




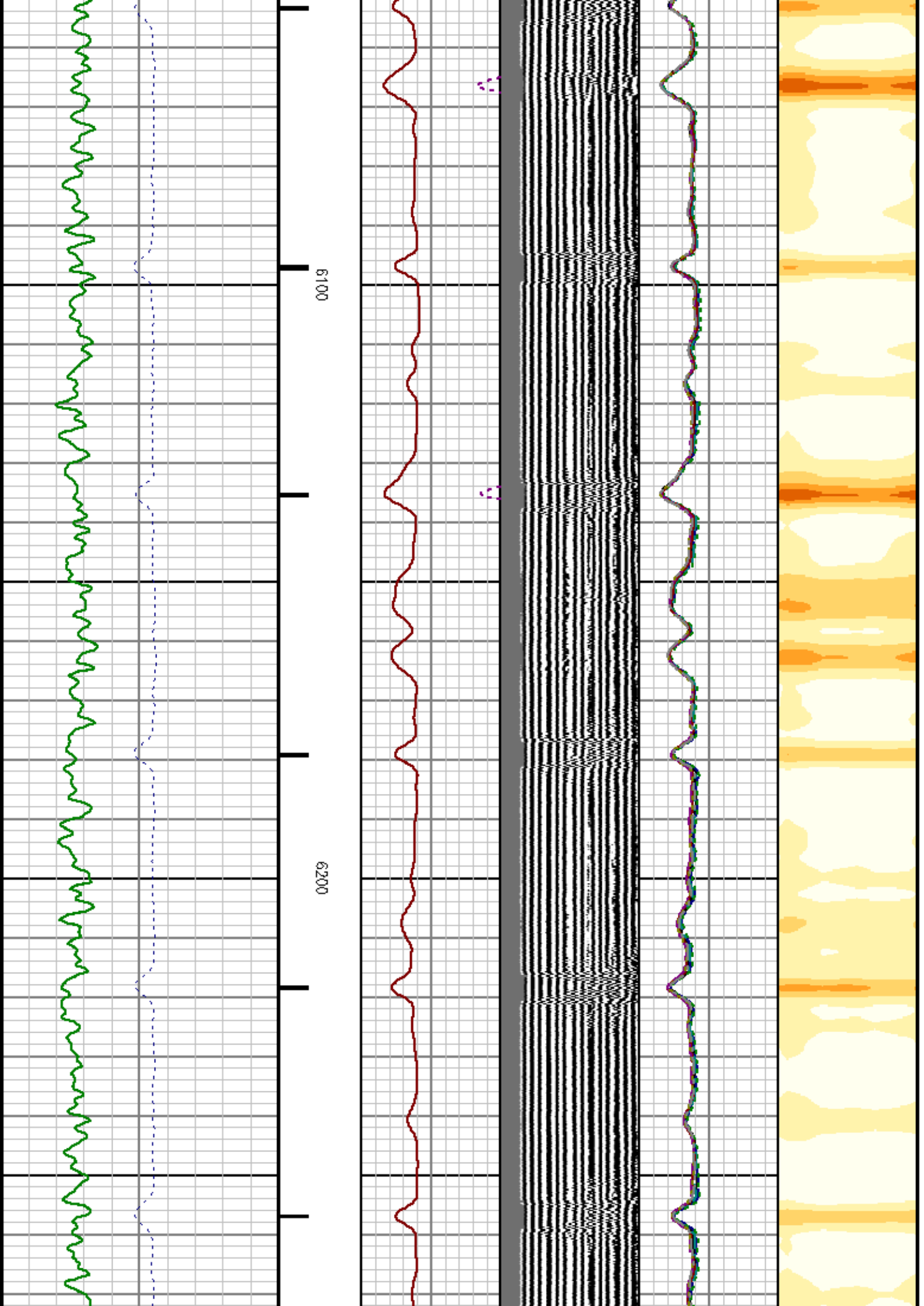


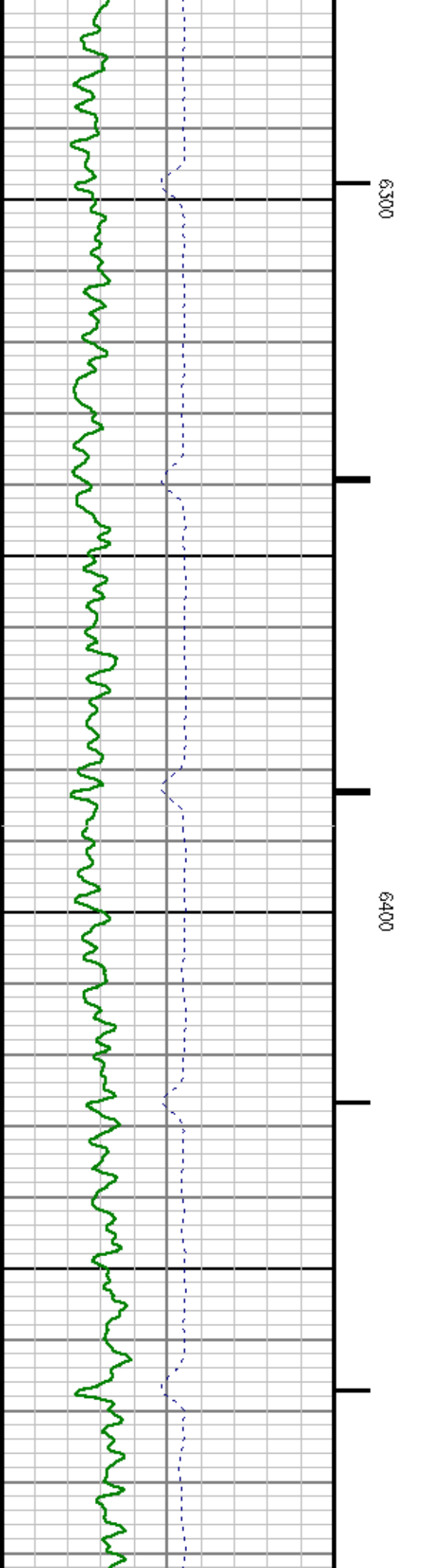
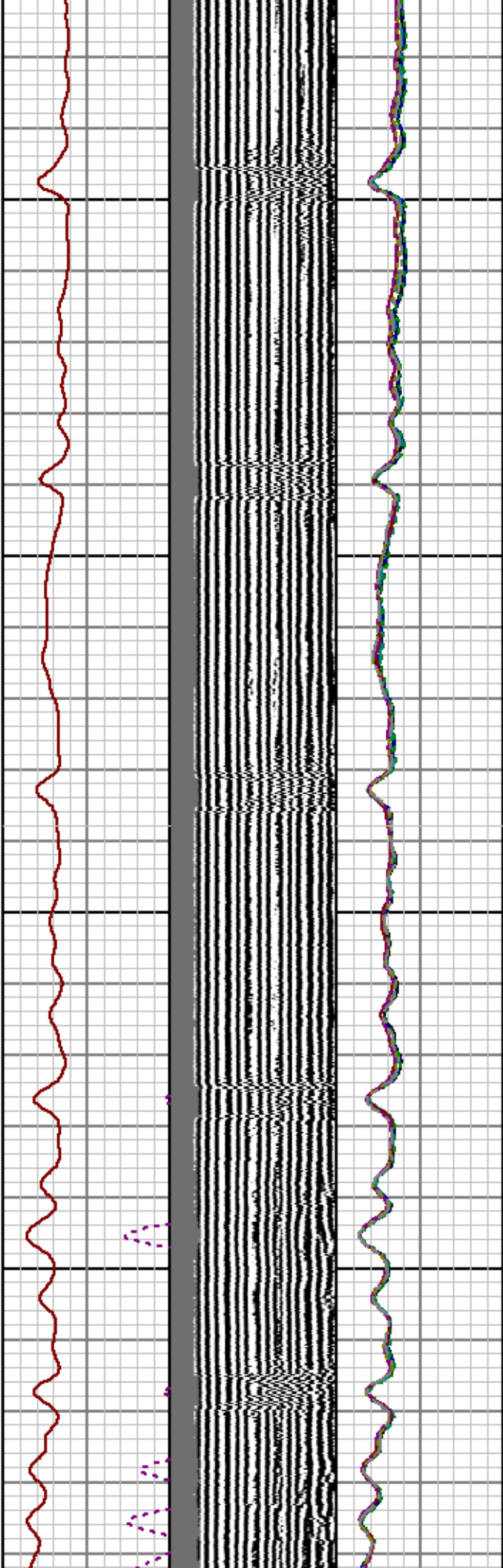




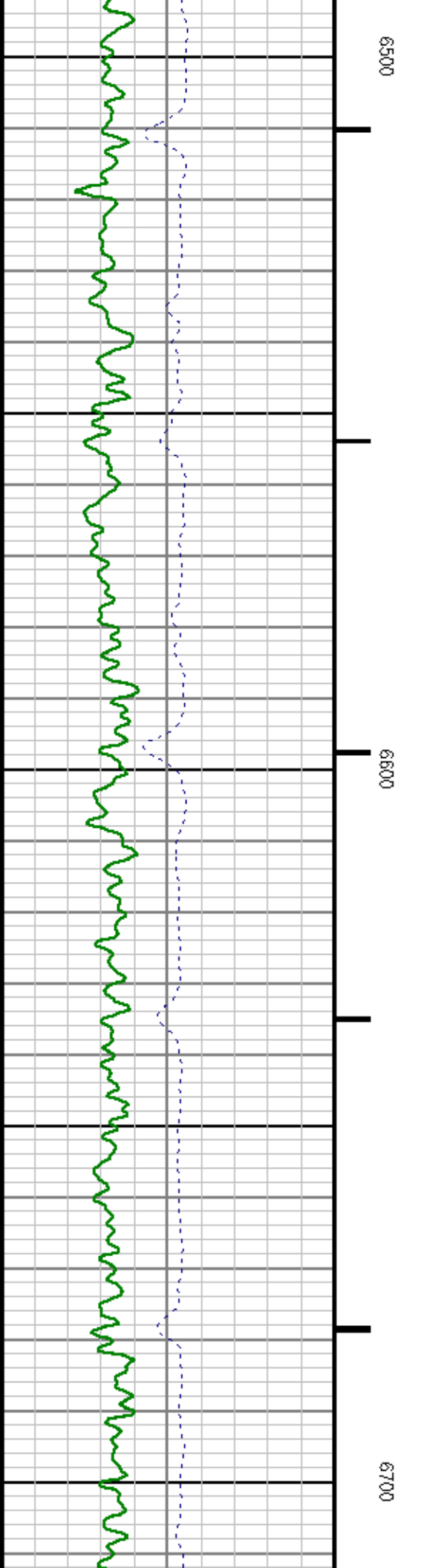
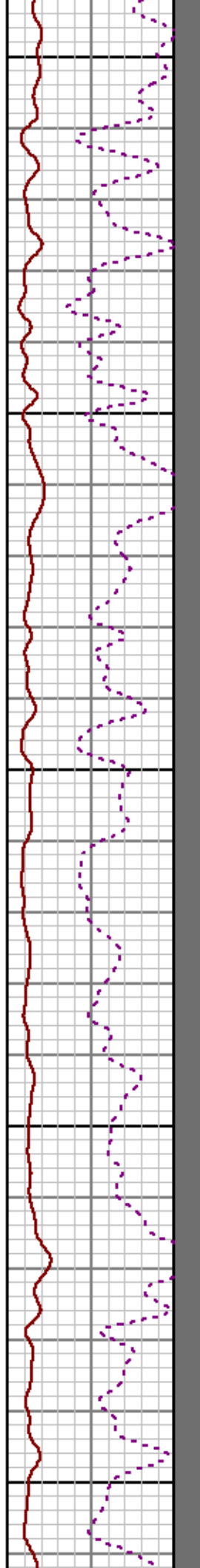
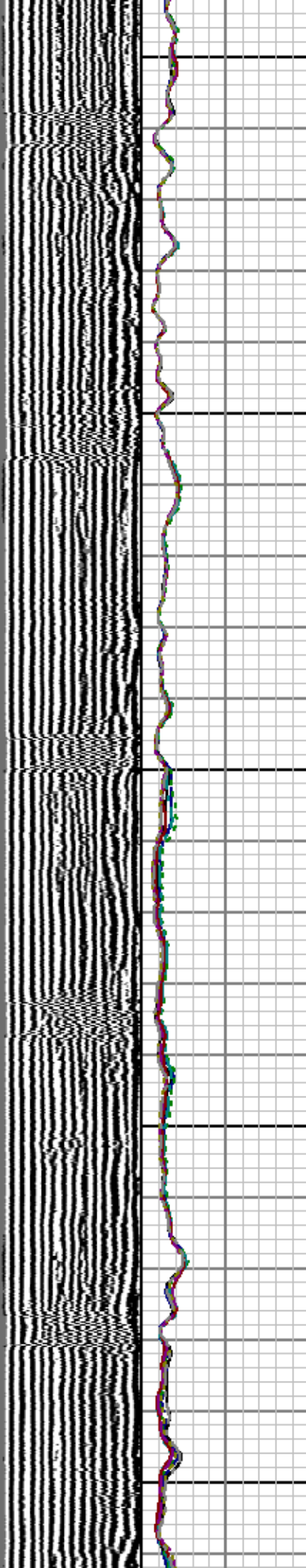


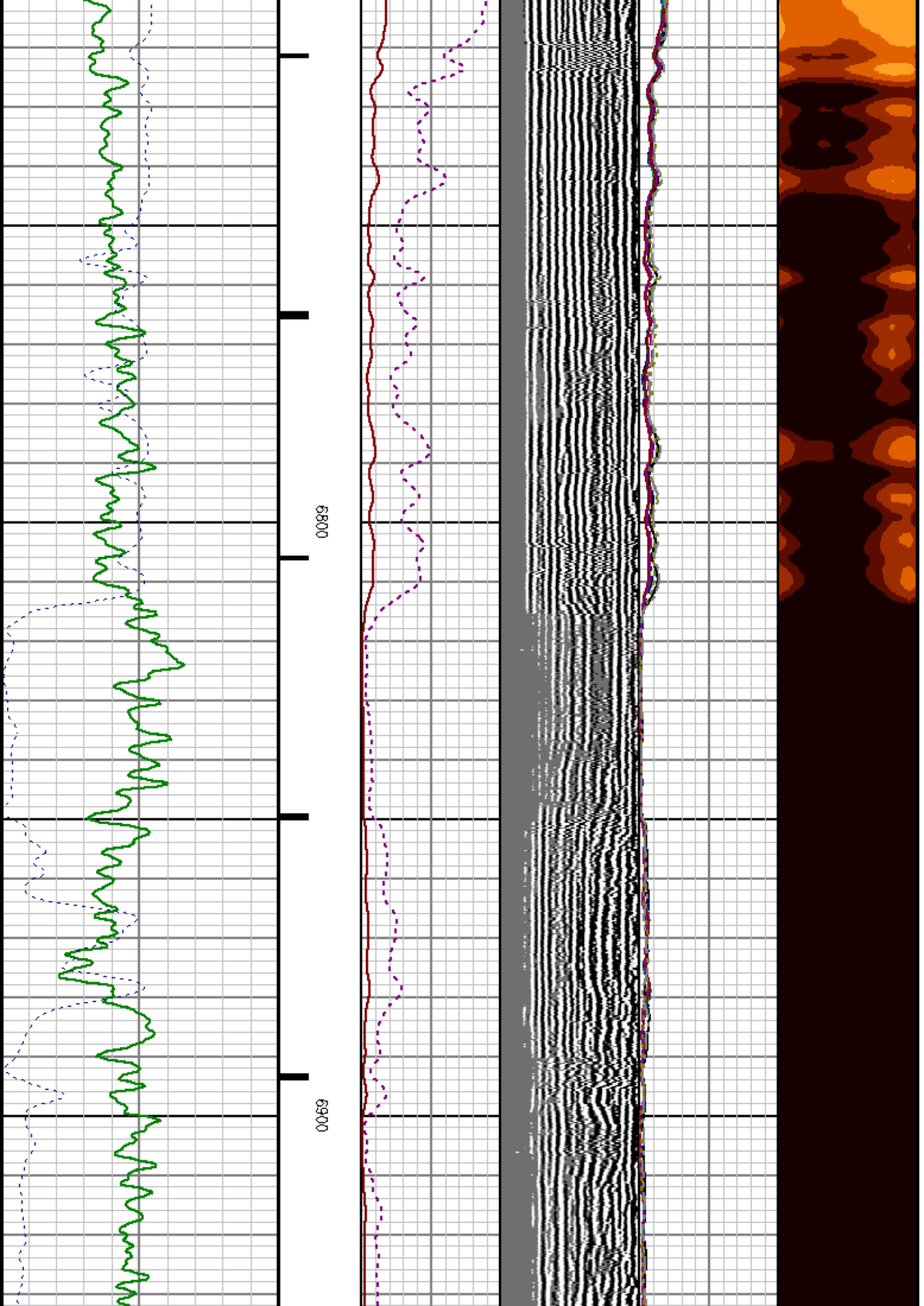


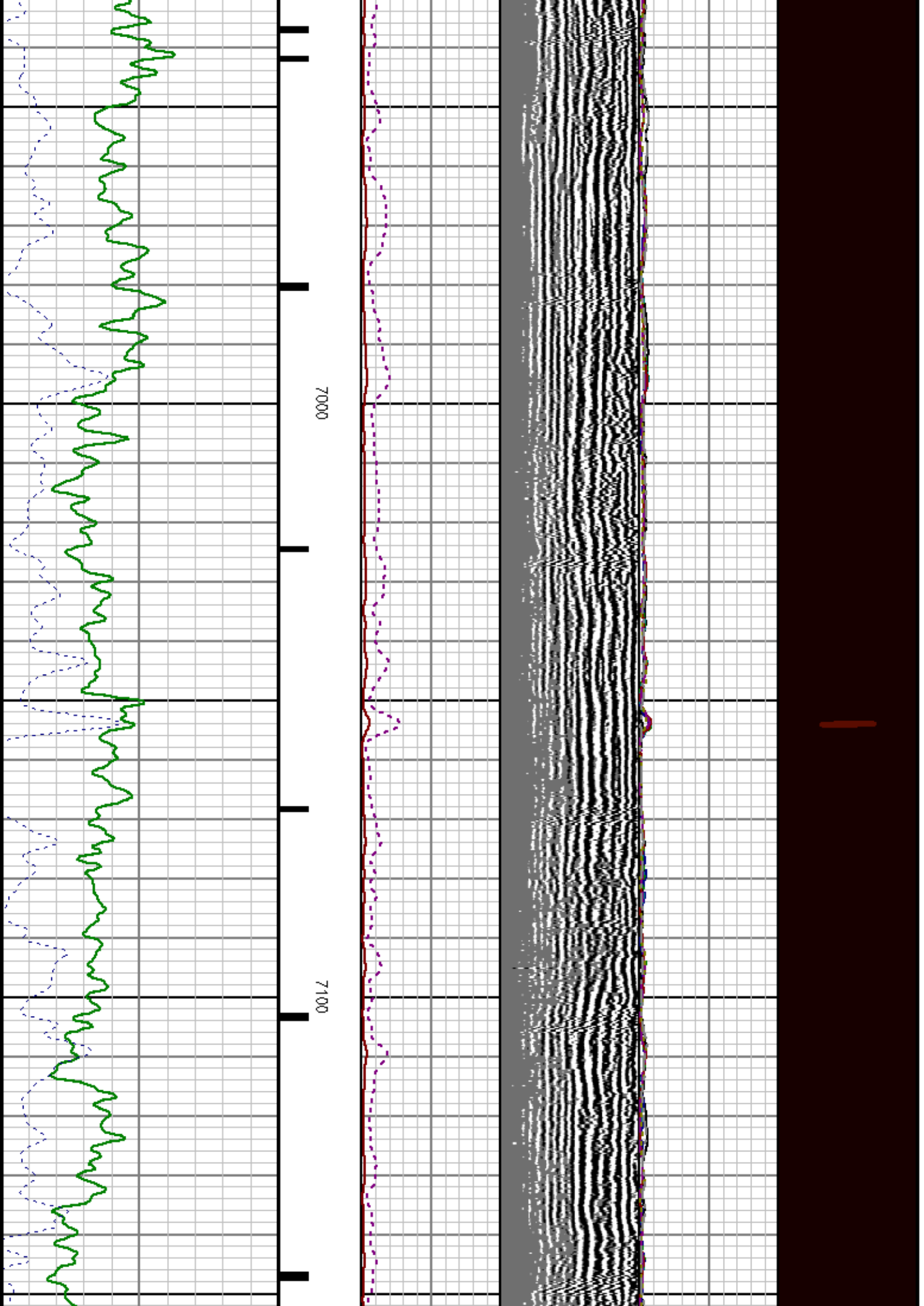


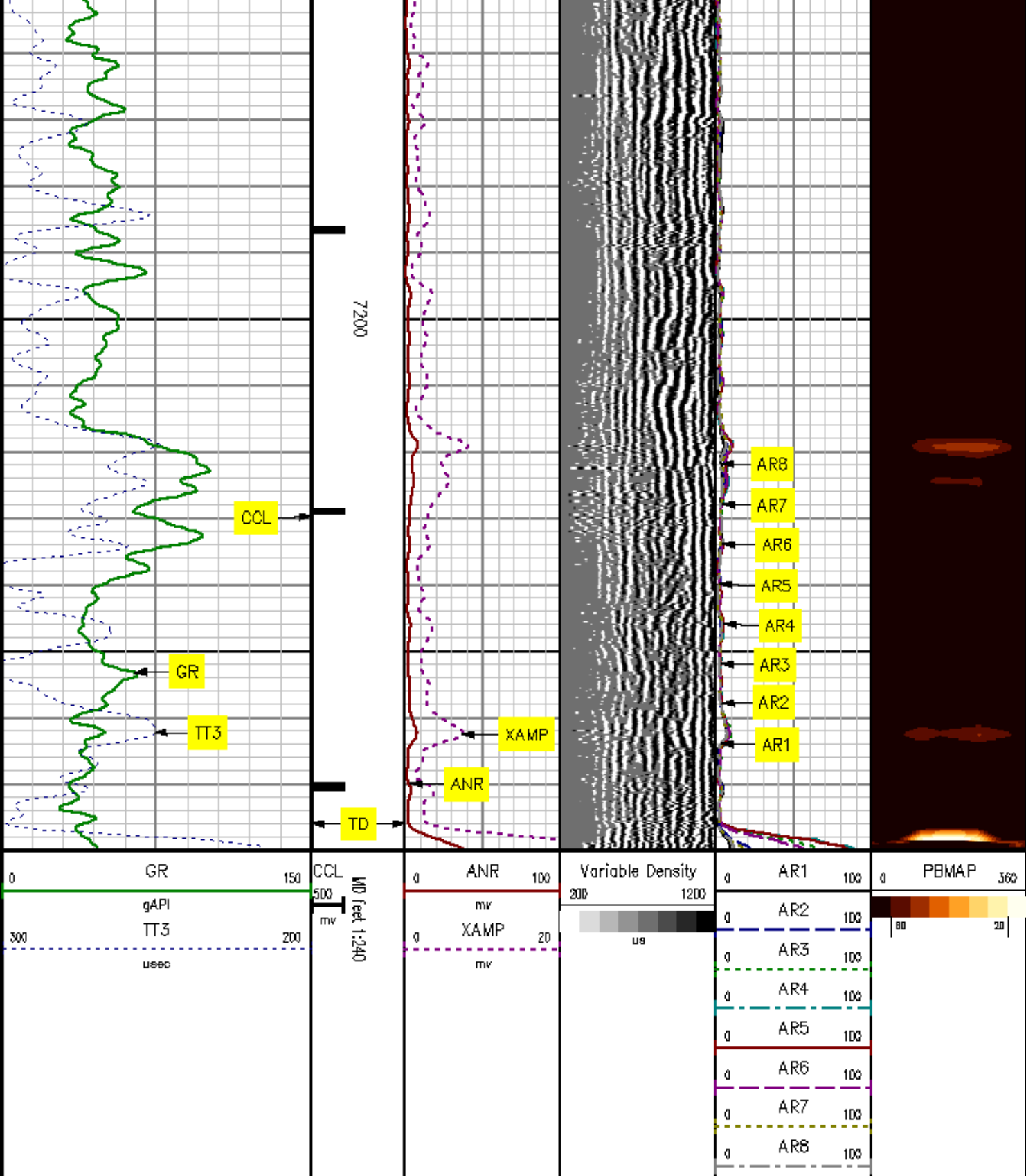












MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	353.354	usec	7027.488	7282.000
RAL	Amp Gate Start Near	236.845	usec	7027.488	7282.000
RAL	Amp Gate Start Radial	236.845	usec	7027.488	7282.000
RAL	Amp Gate Width Far	30.000	usec	7027.488	7282.000
RAL	Amp Gate Width Near	30.000	usec	7027.488	7282.000
RAL	Amp Gate Width Radial	30.000	usec	7027.488	7282.000
RAL	casing od	7.000	inches	7027.488	7282.000
RAL	casing wt	26.000	lbm/ft	7027.488	7282.000
RAL	FB Start Far	328.354	usec	7027.488	7282.000
RAL	FB Start Near	211.845	usec	7027.488	7282.000
RAL	FB Start Radial	211.845	usec	7027.488	7282.000
RAL	FB Thresh Far	10.000	mv	7027.488	7282.000
RAL	FB Thresh Near	4.000	mv	7027.488	7282.000
RAL	FB Thresh Radial	4.000	mv	7027.488	7282.000
RAL	Fluid Travel Time	200.000	usec/ft	7027.488	7281.859

### DEPTH OFFSETS (for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-14.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	ARB	CHV	FPR2
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-13.040	AFAR	SIG	TT5			
1355XA	-5.620	CCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : TEKTON ENERGY

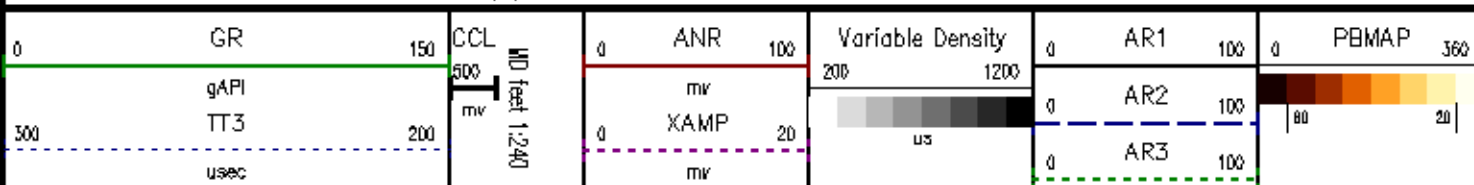
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Mode : PlotMgr 5.4.504

Interval : 7000.00 - 7282.00 feet UP

Created : 4/8/2013 3:09:56 PM

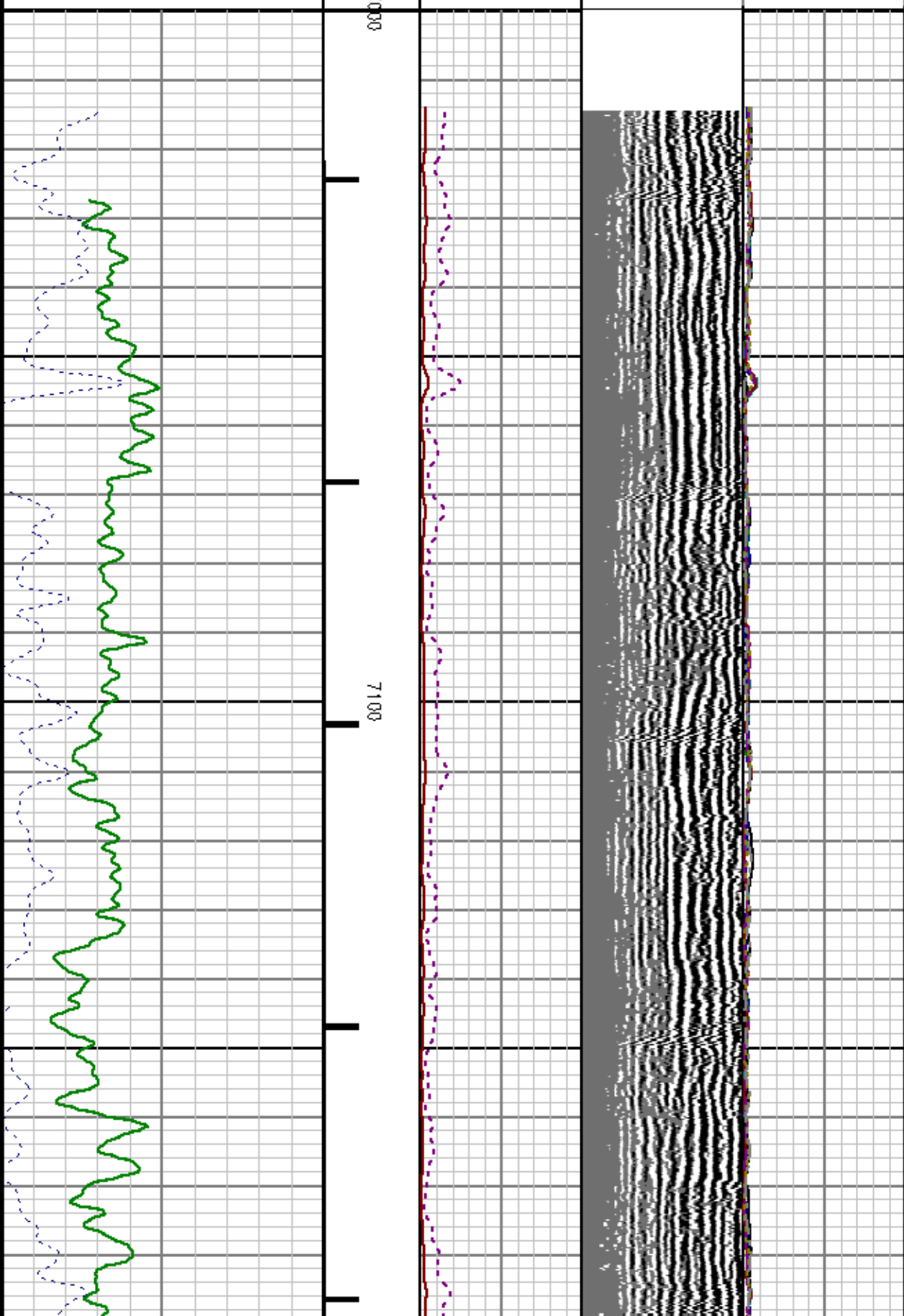


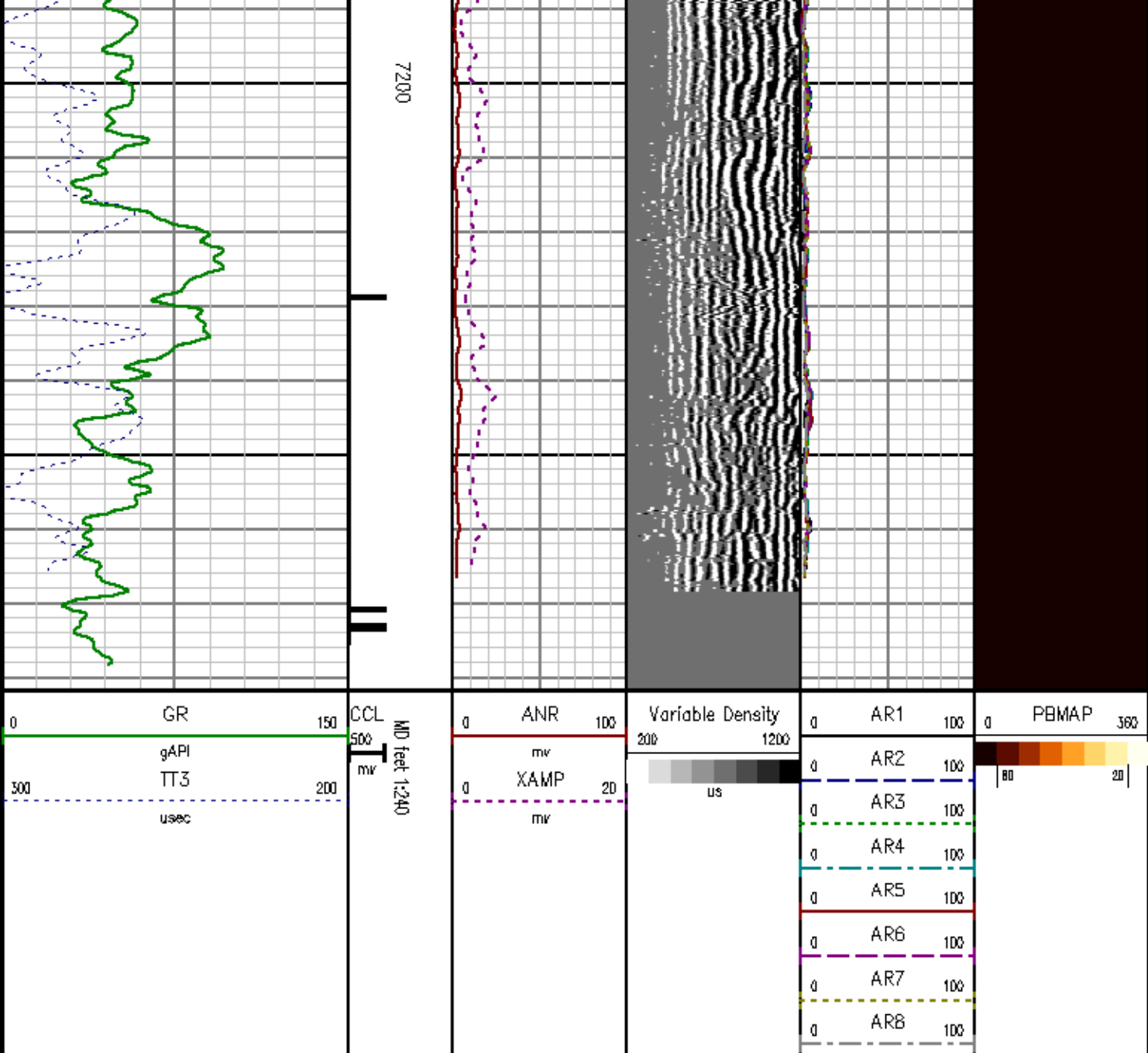


0	AR4	100
0	AR5	100
0	AR6	100
0	AR7	100
0	AR8	100

7000

7100





## CALIBRATION SUMMARY

*RALSHP*

Shop Calibration: C:\case\calvar\RALSHP\100043\_shp.cal

### SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Mon Apr 08 16:32:00 2013 TOOL SERIES: 1426XA ASSET: 1000 SEQ: A3

Tool Delay [usec]	-58.00	Tank OD in	5.50	Tank Wt lbm/ft	15.50	Tank ID in	4.95
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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	166	25	-0.478	100.00	0.71
3 Ft. Receiver	219	216	30	166	25	0.444	100.00	0.70
5 Ft. Receiver	329	332	30	252	25	-0.694	150.00	0.68
Radial #1	219	216	30	120	25	-0.066	100.00	0.70
Radial #2	219	216	30	120	25	0.731	100.00	0.70
Radial #3	219	216	30	120	25	0.929	100.00	0.71
Radial #4	219	216	30	120	25	1.002	100.00	0.71
Radial #5	219	216	30	120	25	0.514	100.00	0.71
Radial #6	219	216	30	120	25	0.832	100.00	0.71
Radial #7	219	216	30	120	25	0.597	100.00	0.71
Radial #8	220	216	30	120	25	0.351	100.00	0.70

# RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\1000A3 fld.cal

## WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Mon Apr 08 16:33:18 2013 TOOL SERIES: 1428KA ASSET: 1000 SEQ: A3

Tool Delay [usec]	-58.00	Casing OD in	7.00	Casing Wt lbm/ft	28.00	Casing ID in	6.28
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RECEIVER	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Full Amp. [mV]	Wellsite Factor	Amp. Ref [mV]
CAL Pulse	166	25	-0.016	0.000	0.99	100.000
3 Ft. Receiver	237	30	0.074			
5 Ft. Receiver	150	30	-0.764			
Radial #1	237	30	0.439			
Radial #2	237	30	0.432			
Radial #3	237	30	0.085			
Radial #4	237	30	0.153			
Radial #5	237	30	0.172			
Radial #6	237	30	0.078			
Radial #7	237	30	0.220			
Radial #8	237	30	0.352			

# GAMMA RAY

Calibration File: C:\case\calver\GR\507A1.cal

## CALIBRATION SUMMARY

DATE/TIME PERFORMED: Fri Apr 05 16:46:32 2013 TOOL SERIES: 1355KA ASSET: 507 SEQ: A1

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K DA501	42.18	114.53	2.073	87.44	237.44	150.00

Verification File: C:\case\calvar\GR\507A1.VP

PRIMARY LOG VERIFICATION						
DATE/TIME PERFORMED:	Fri Apr 05 16:47:58 2013		TOOL SERIES:	1355XA	ASSET:	507 SEQ: A1
Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K DA501	44.53	110.80	2.073	92.32	229.70	137.38

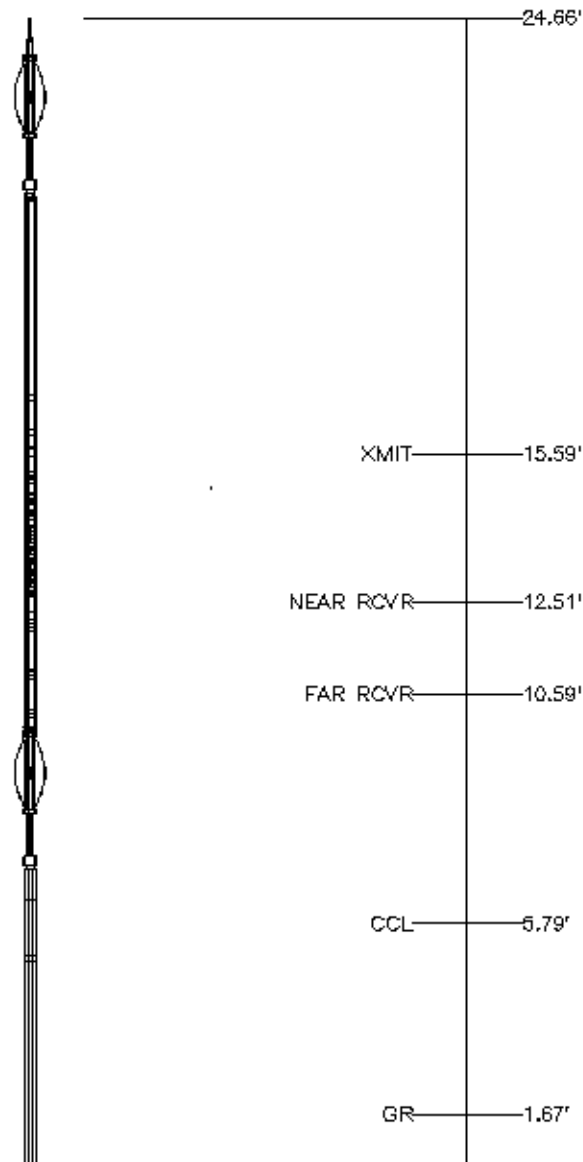
## TOOL DIAGRAM

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

RAL GR/TEMP/CCL/CHV DETECTOR (1355XA)



TEMP 0.17'  
0.00'

Total Length: 24.66'  
Total Weight: Not Available  
Max Diameter: 0' 3.12"



Company	TEKTON ENERGY		
Well	RANCHO WATER VALLEY 11-7-7-33-270-6		
Field	WATTENBERG		
County	WELD	State	COLORADO

File No:	16203
API No:	05123364280000

Location	Elevations				
	KB	4782.5 ft			
	DF	4781.5 ft			
	GL	4775 ft			
SEC	4	TWP	5N	RGE	67W

Baker Atlas

CASE