



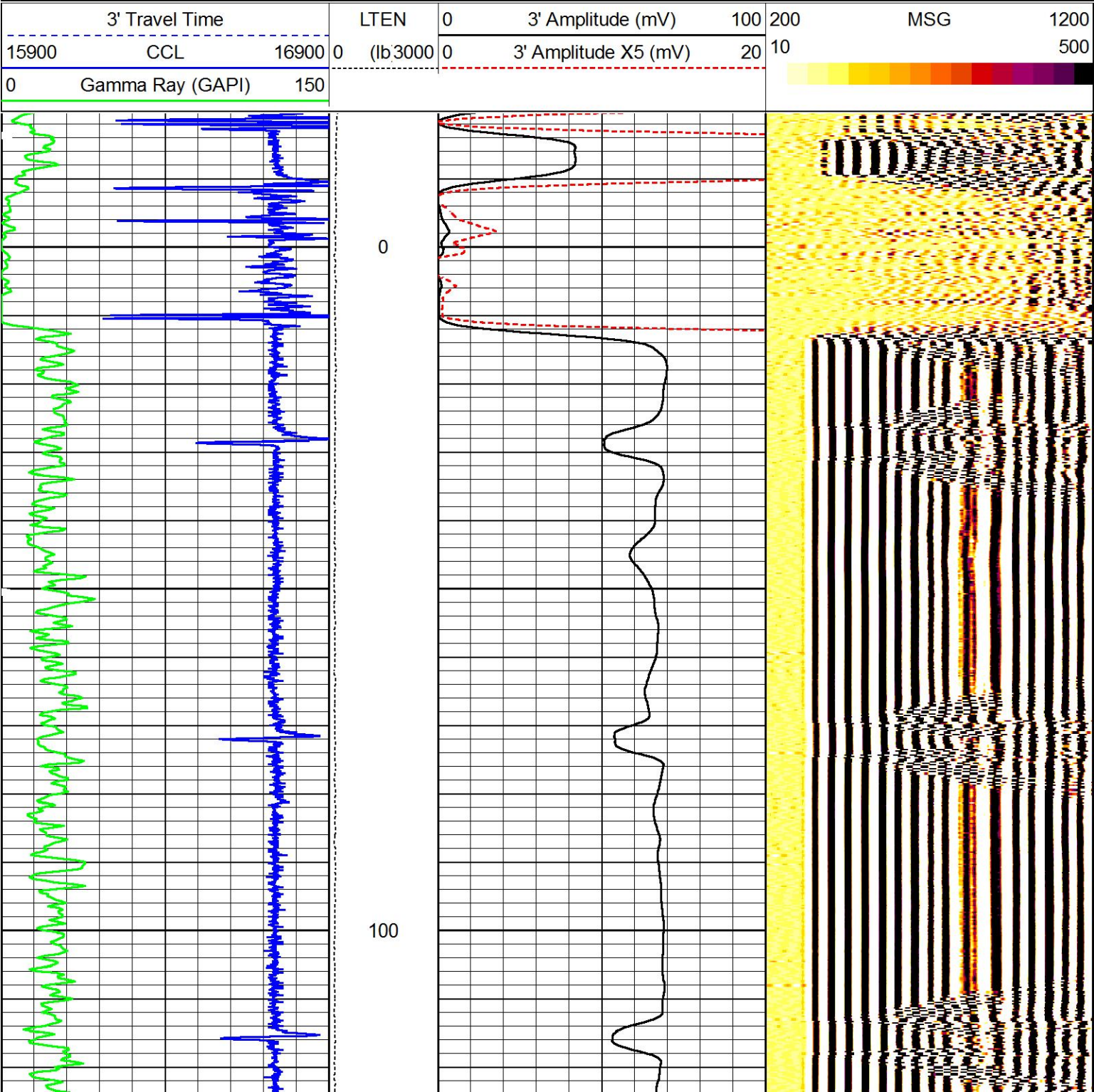
ONE	SURFACE	6786'	2500 PSI	60				
	GAMMA		AMPLITUDE					
Pass	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
	0	150	0	100				
DIRECTIONAL INFORMATION								
Maximum Deviation			deg. @		KOP			

HALLIBURTON

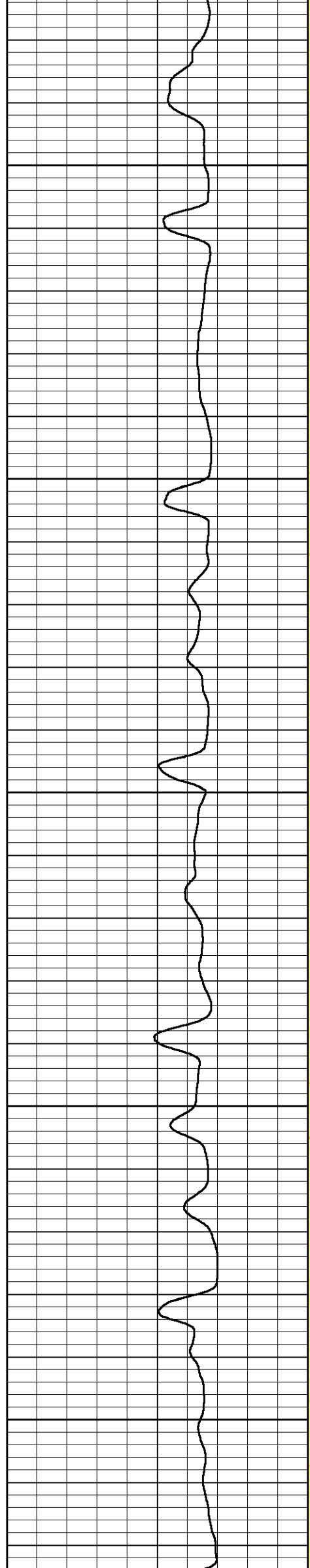
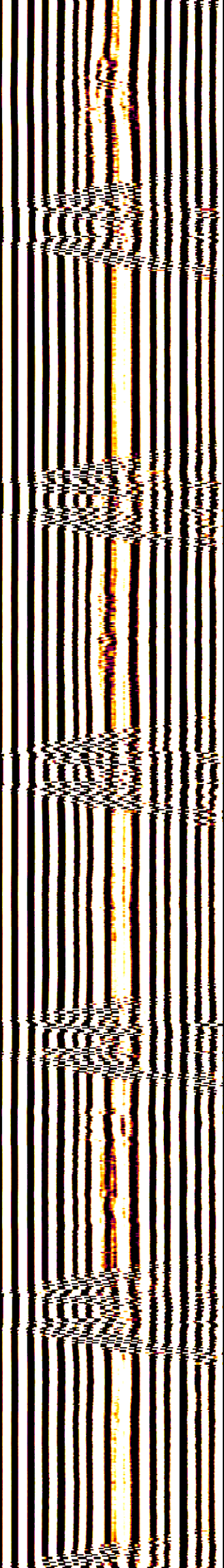
MAIN PASS (2500 PSI)

5" = 100'

Database File	3c-18-m.db
Dataset Pathname	CBL/MAIN
Presentation Format	1 synergy cbl
Dataset Creation	Thu Aug 04 13:24:22 2016
Charted by	Depth in Feet scaled 1:240

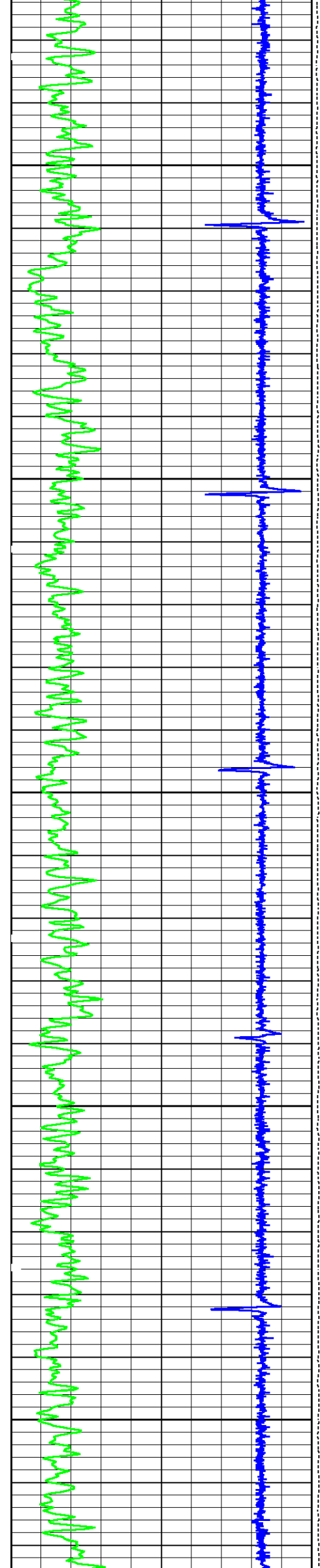


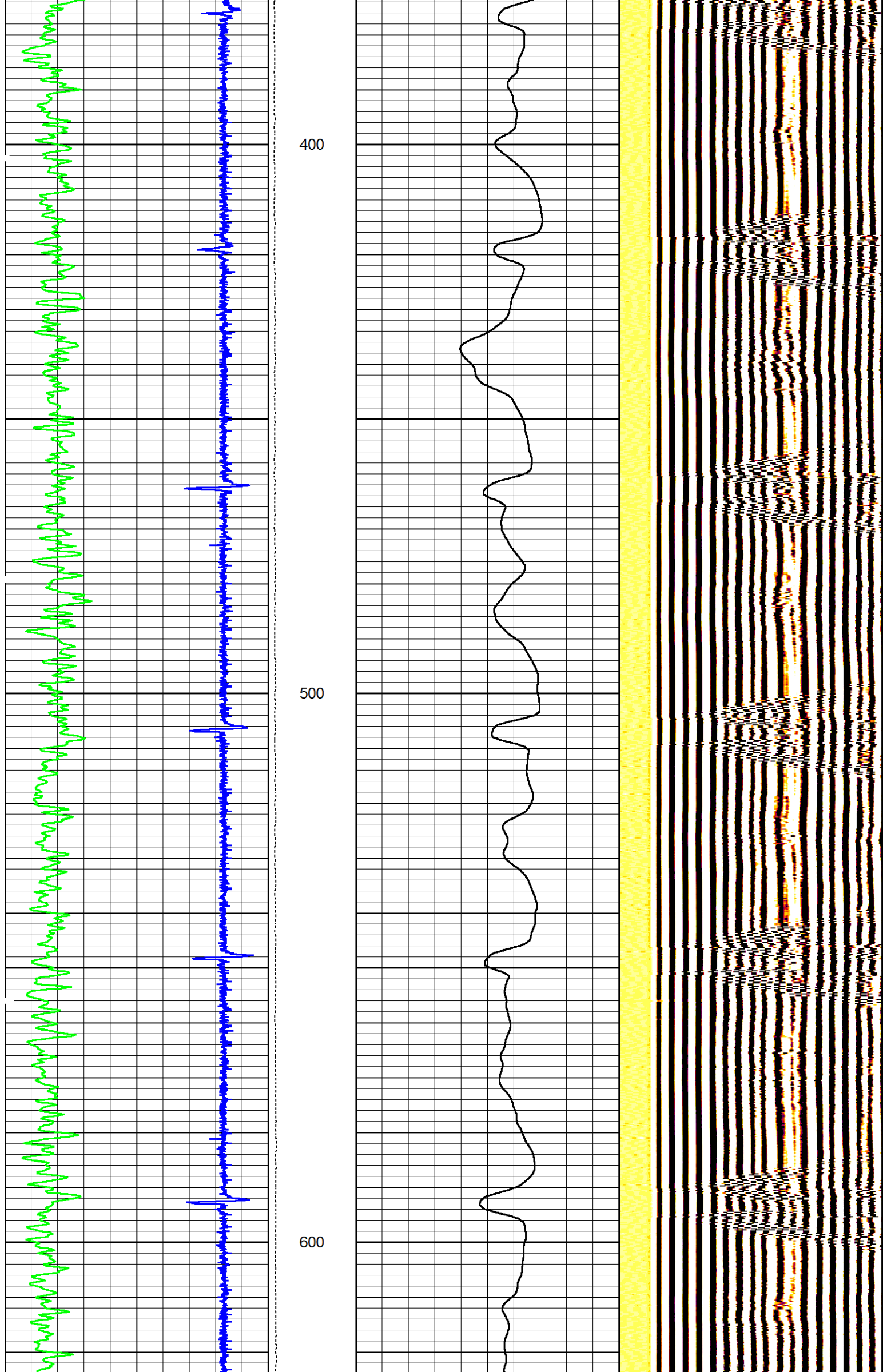


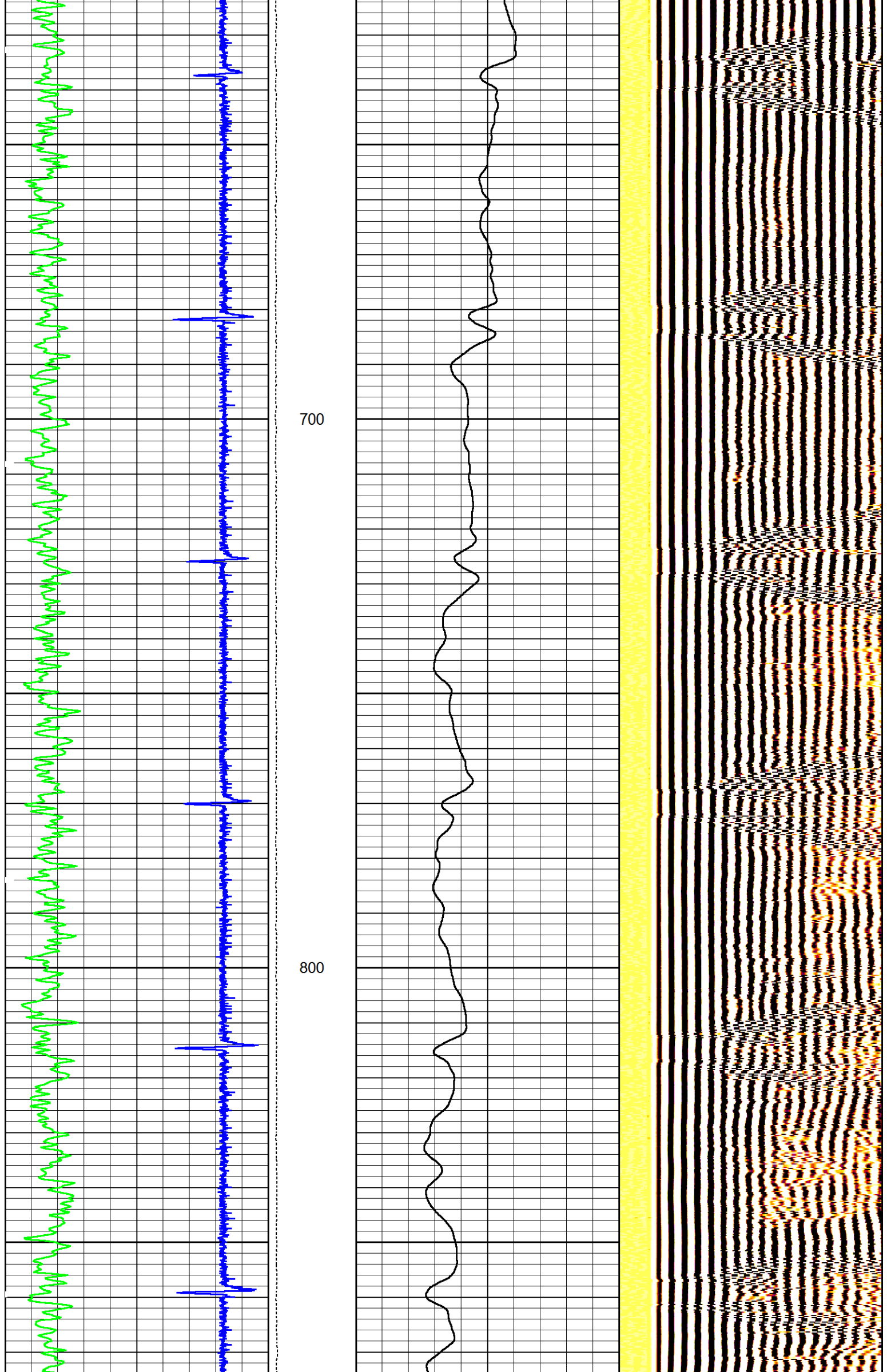


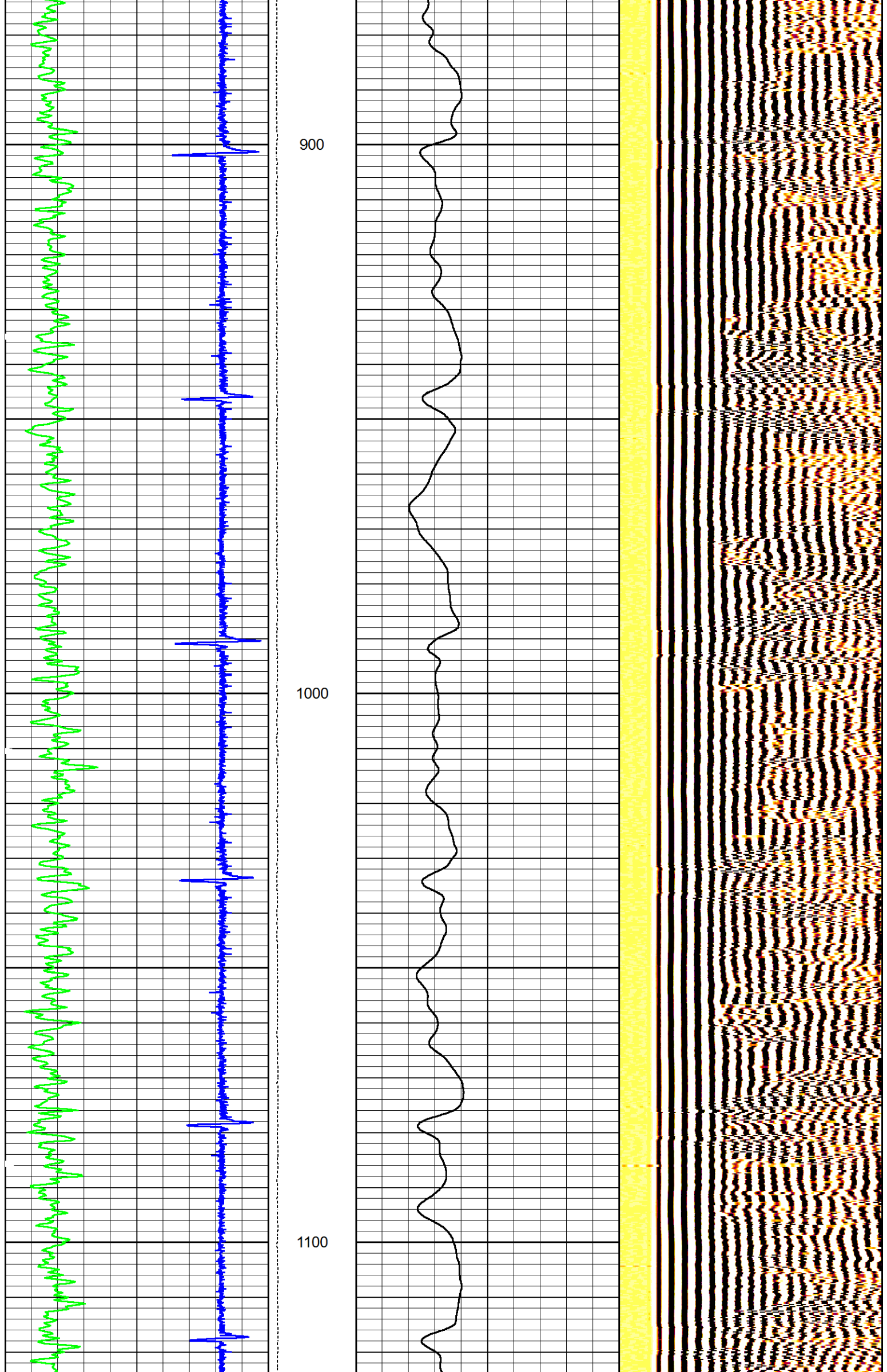
200

300

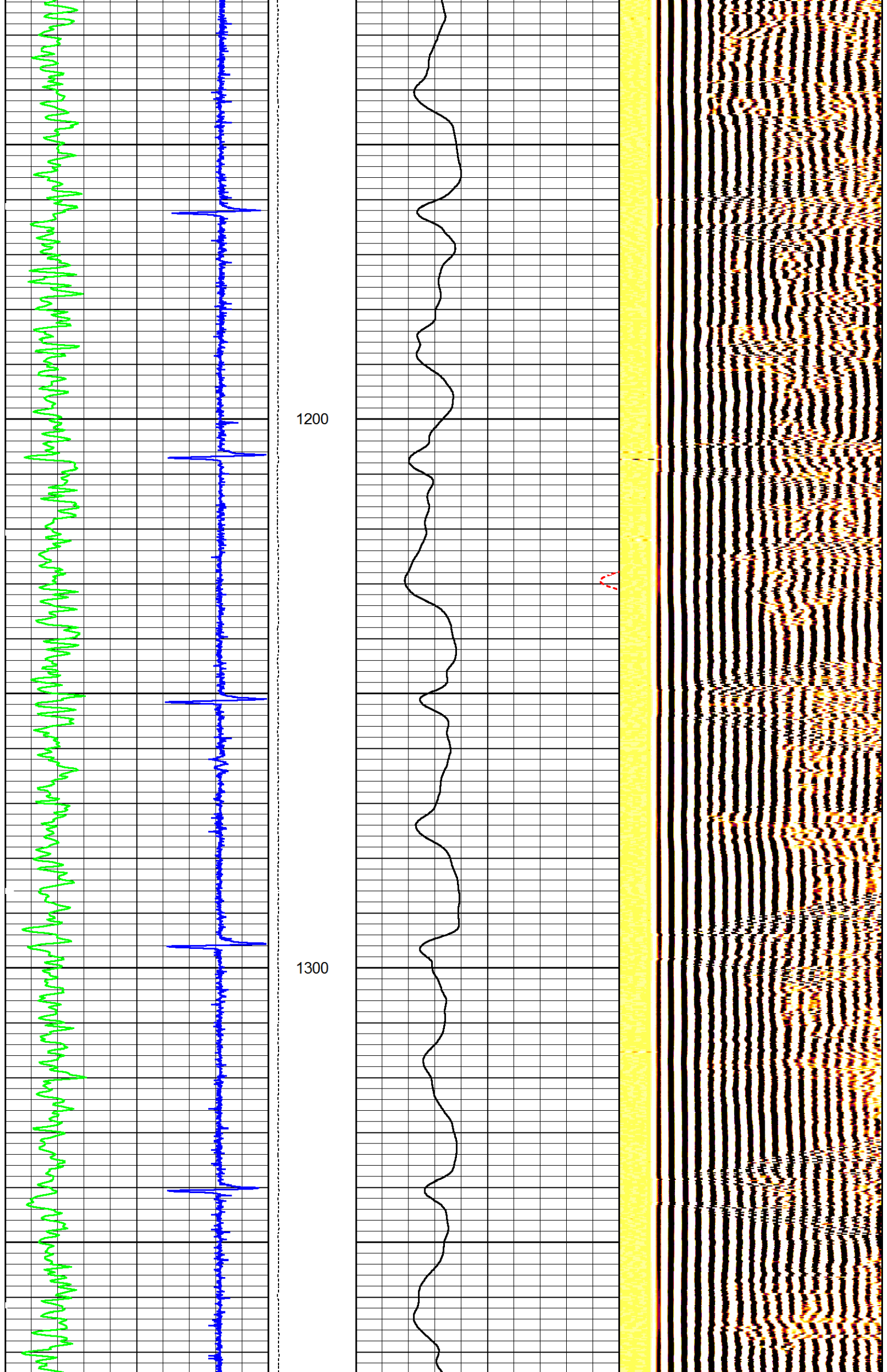


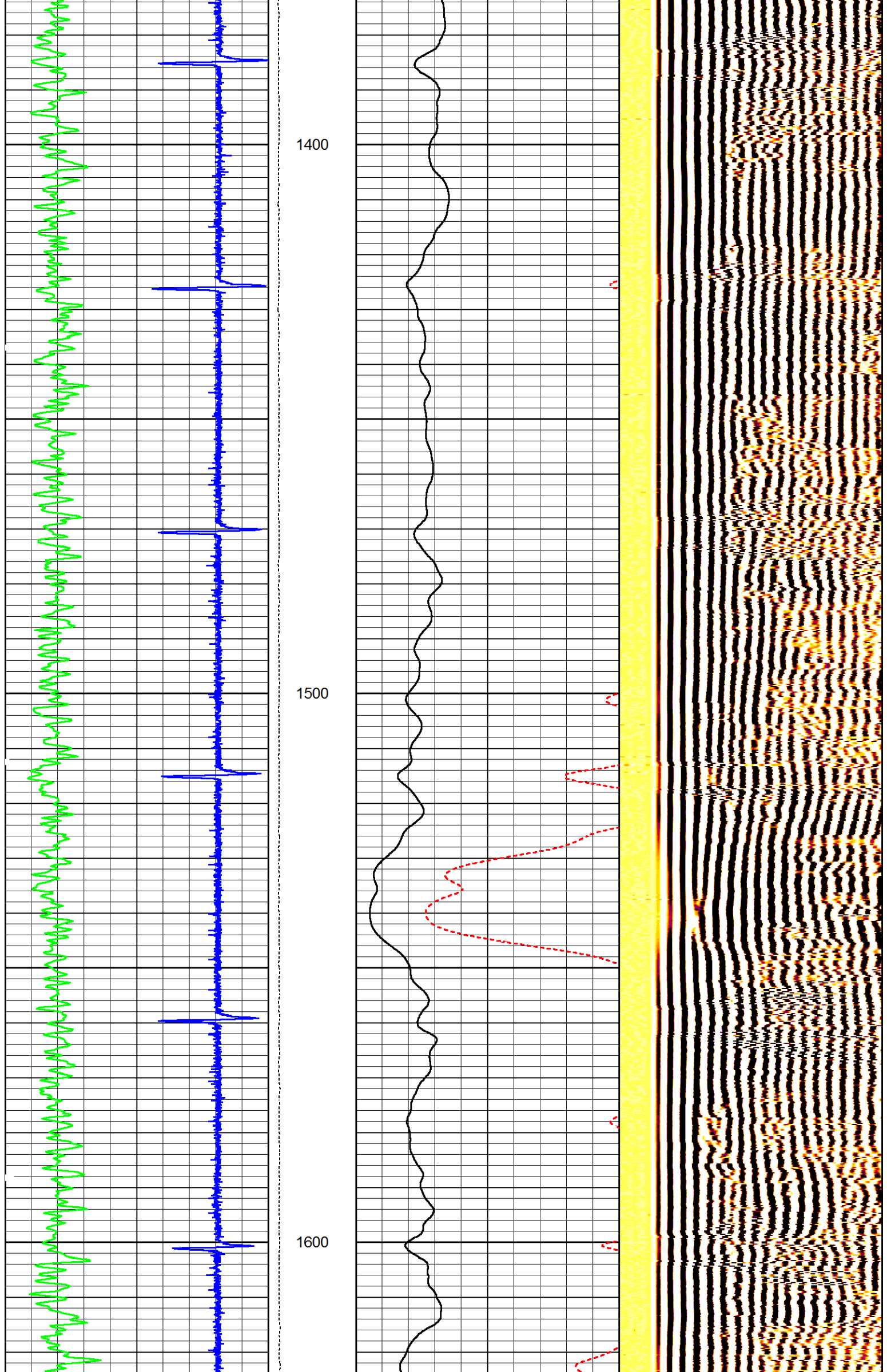




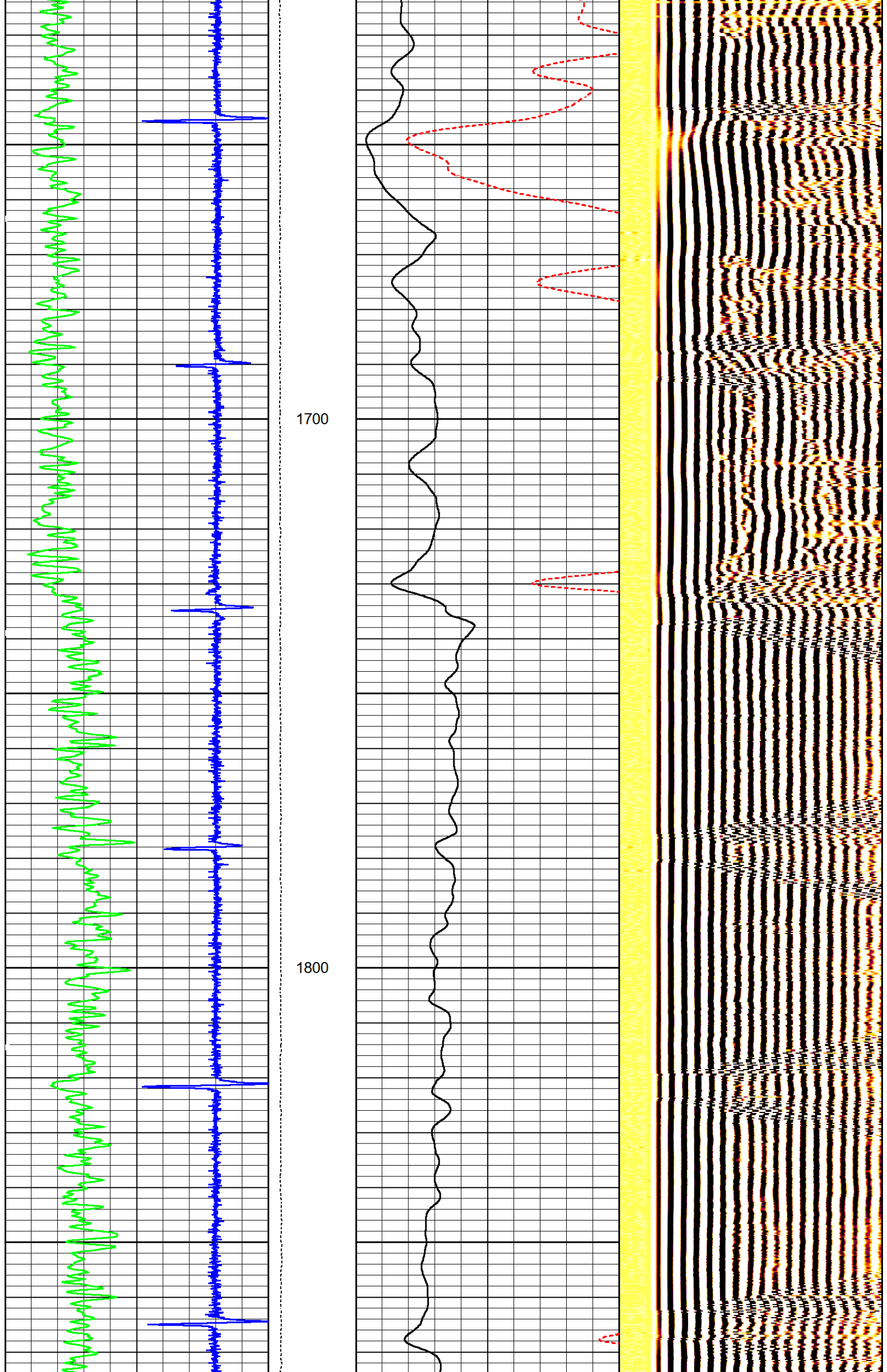


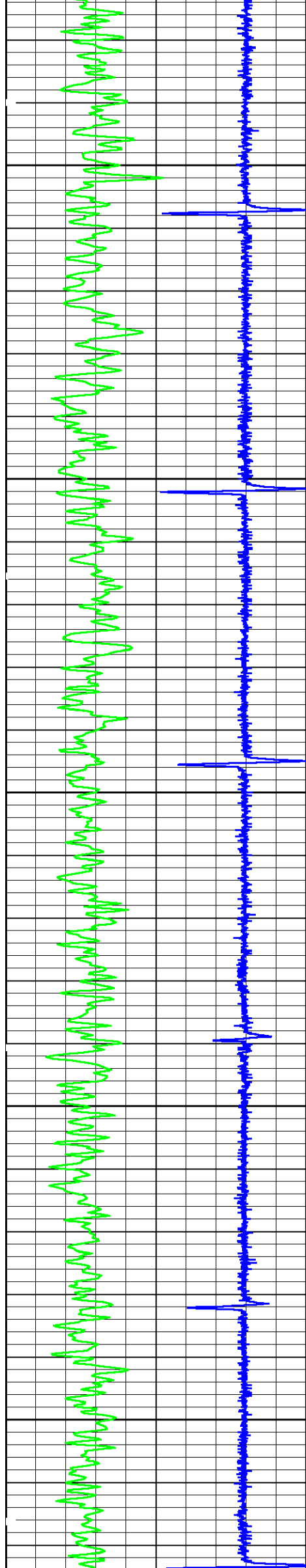








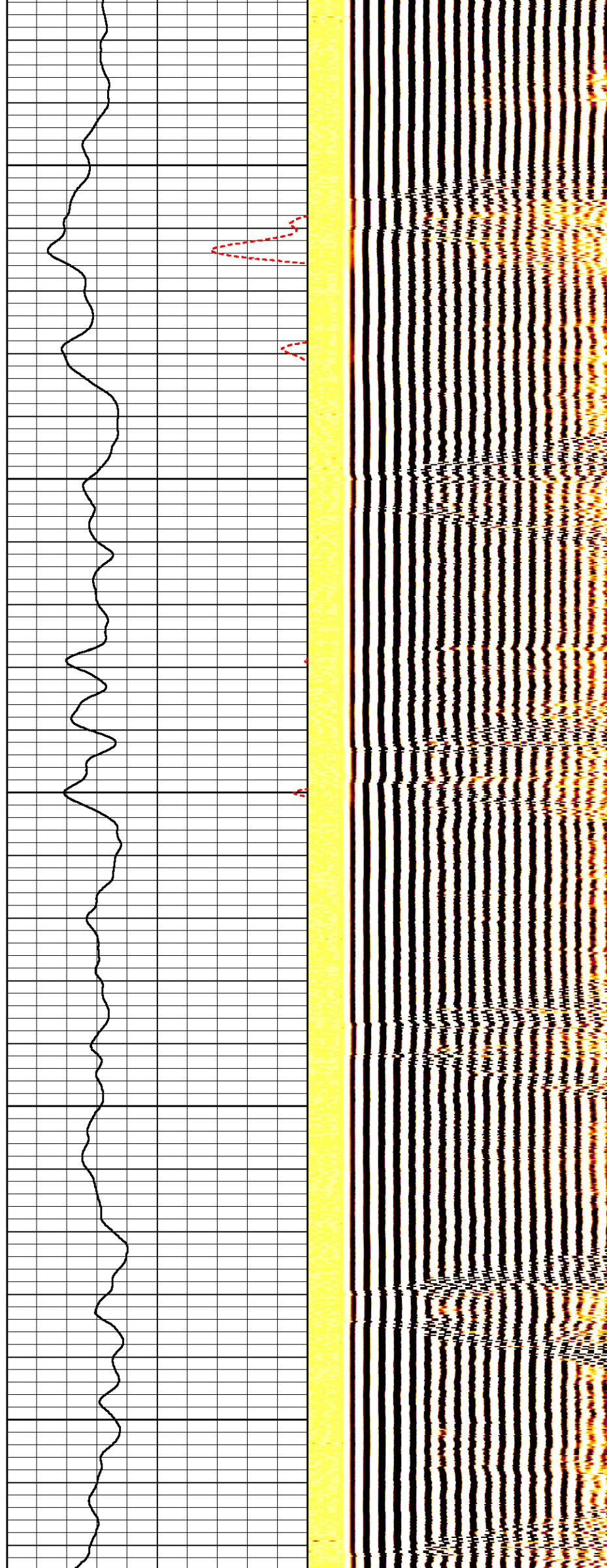


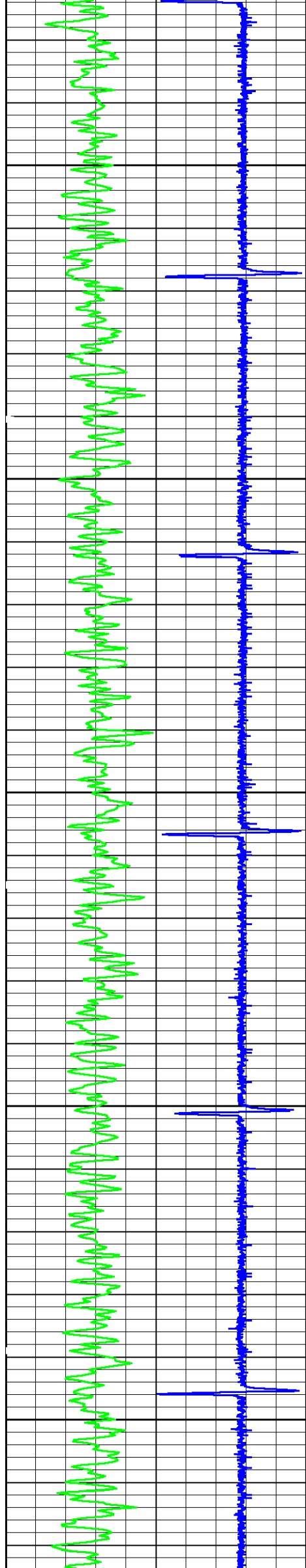


1900

2000

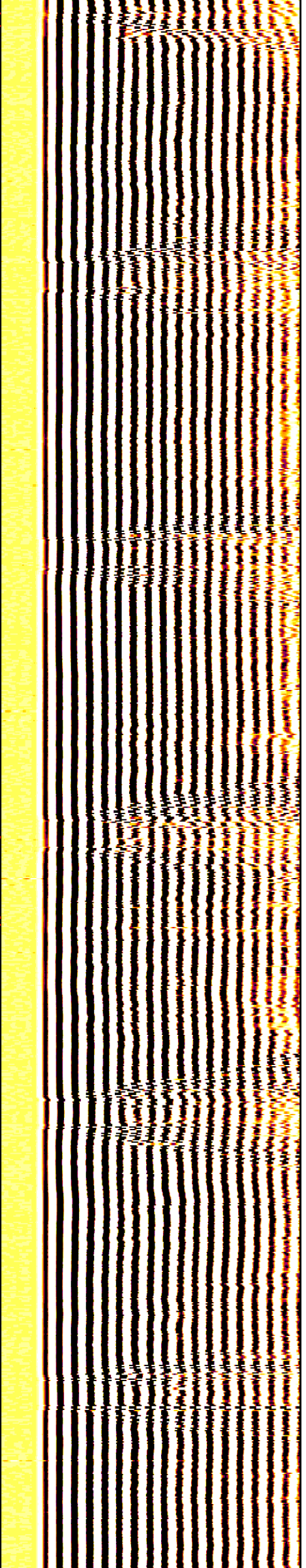
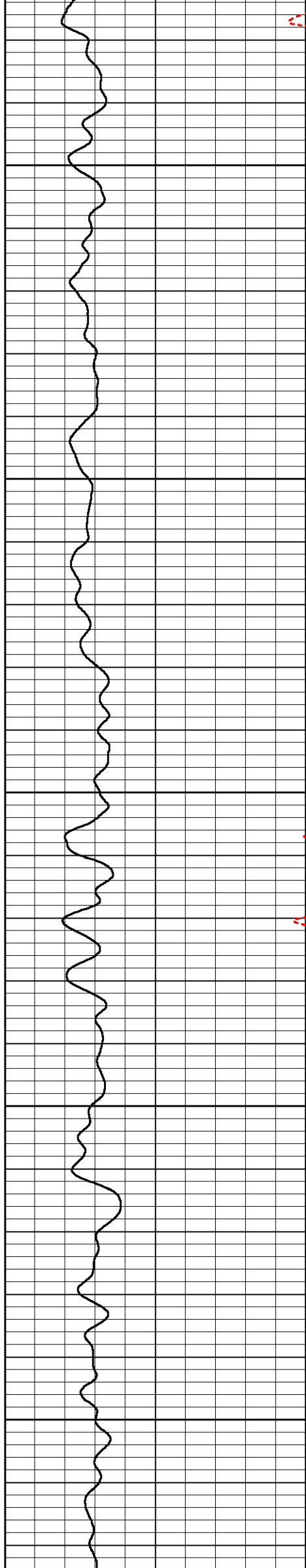
2100



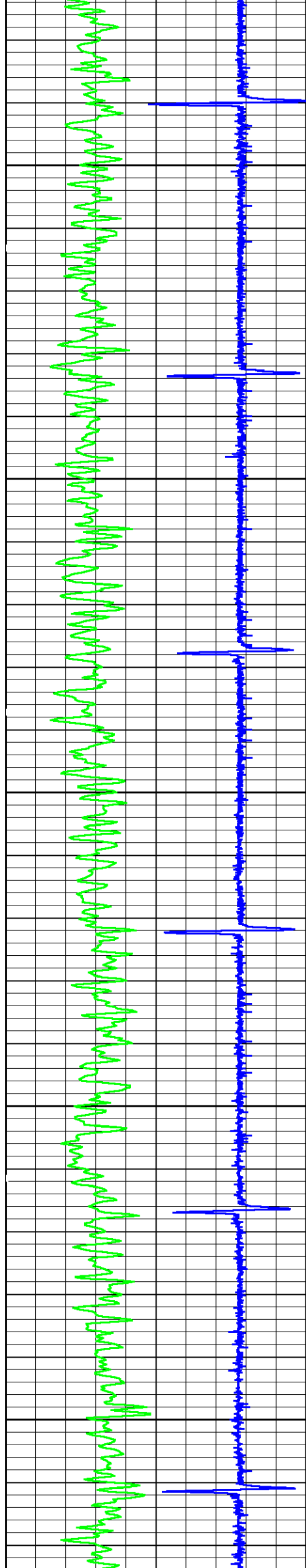


2200

2300



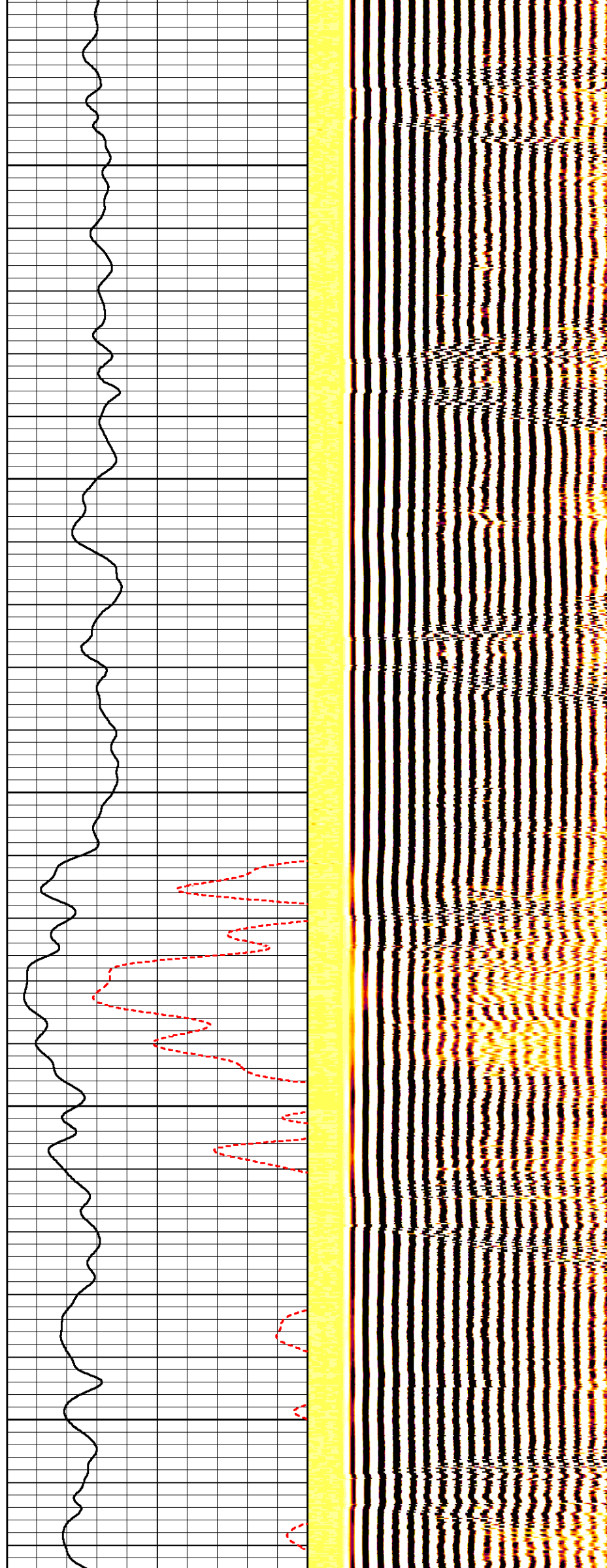


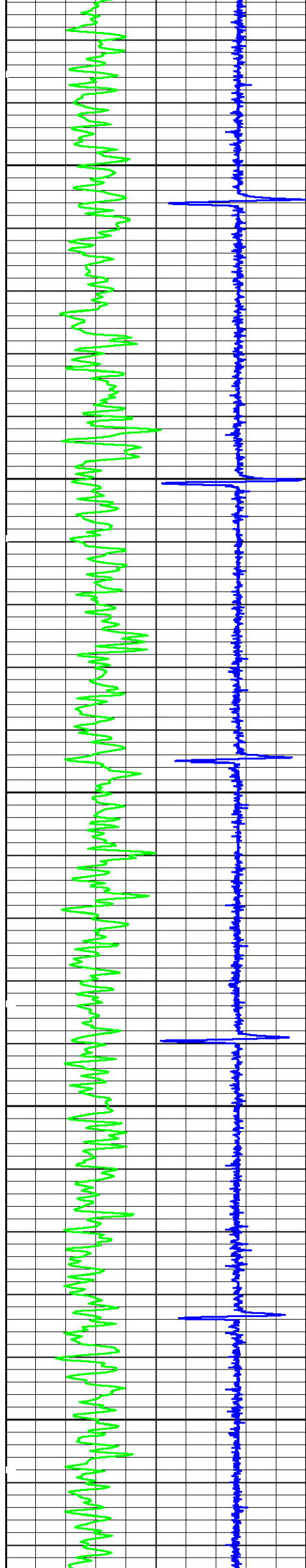


2400

2500

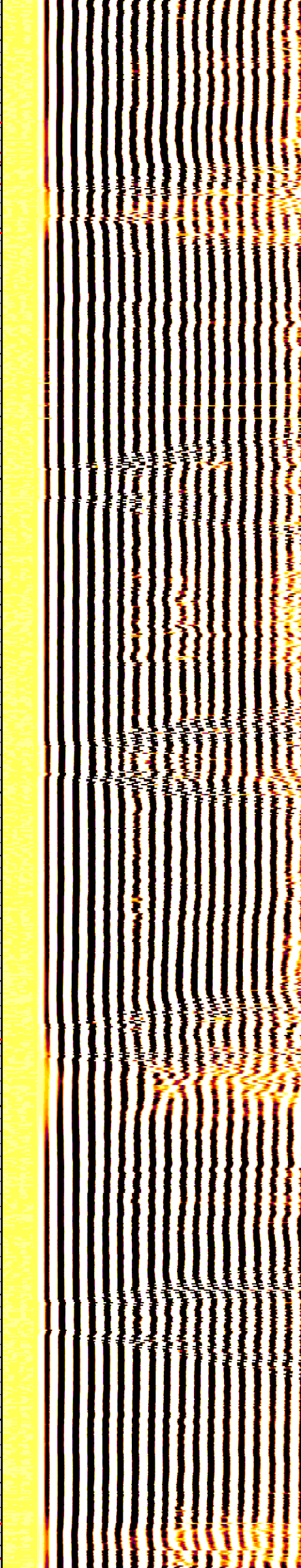
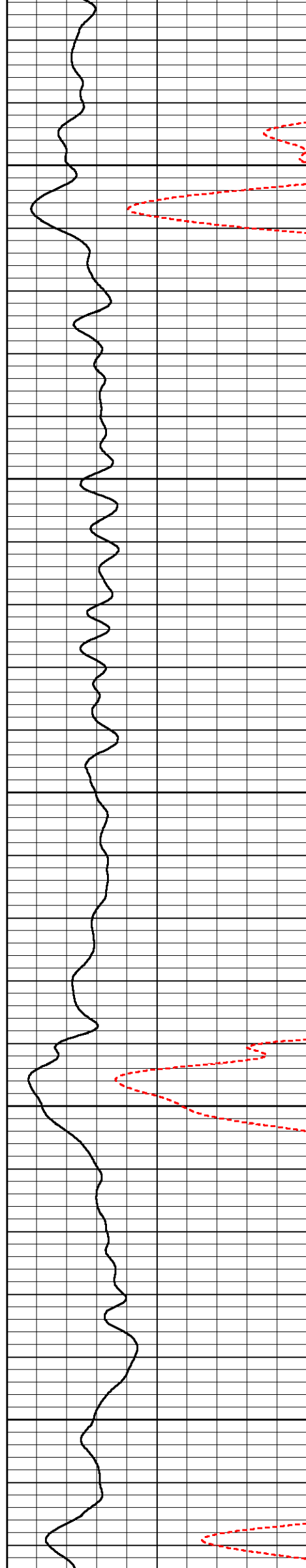
2600

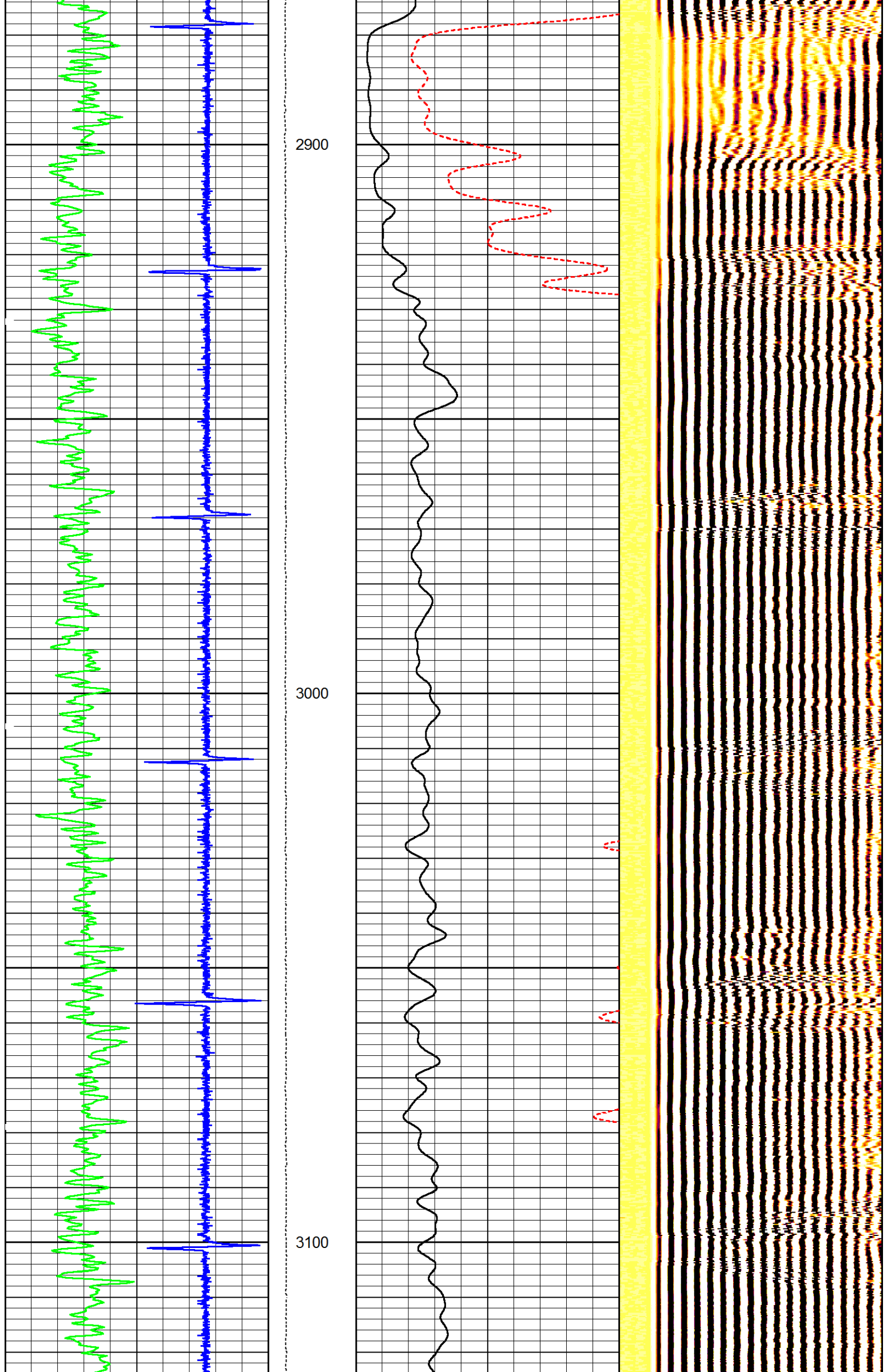




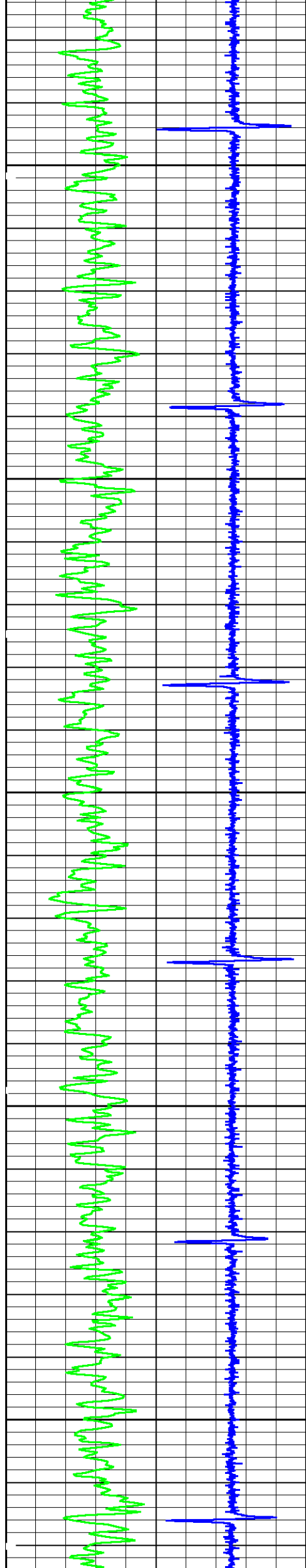
2700

2800



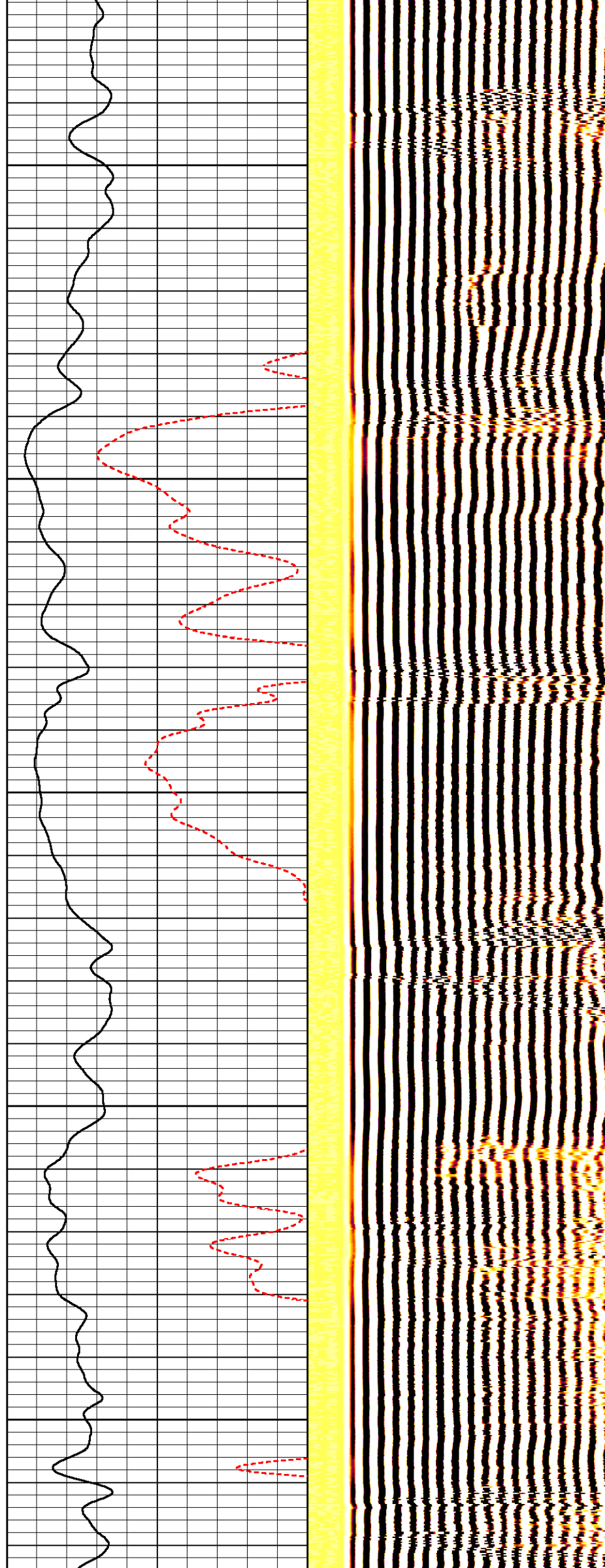


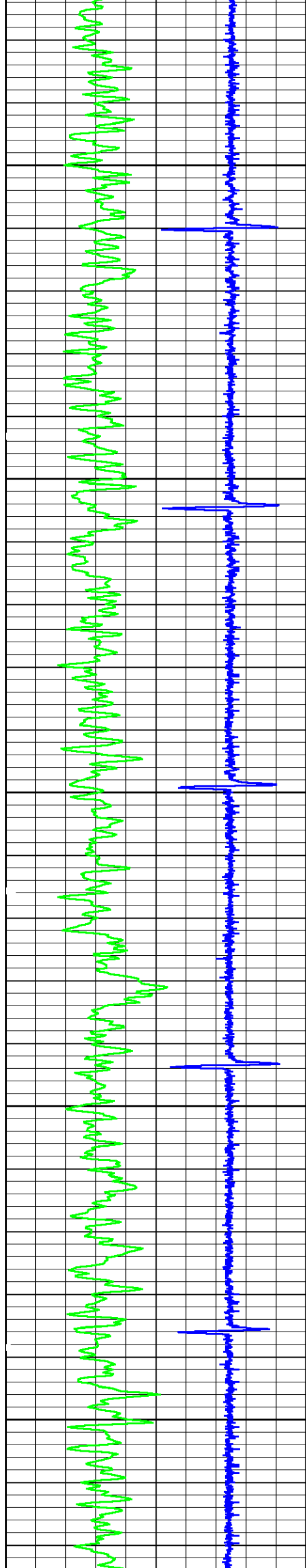




3200

3300

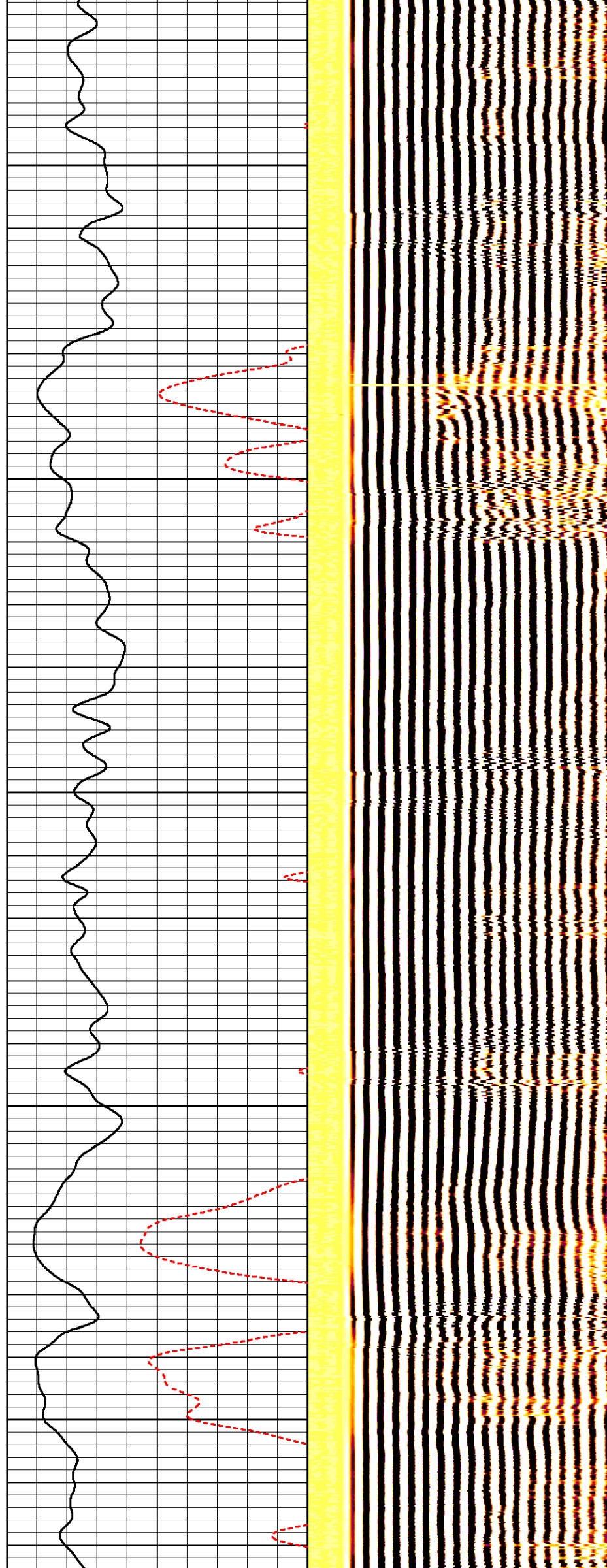


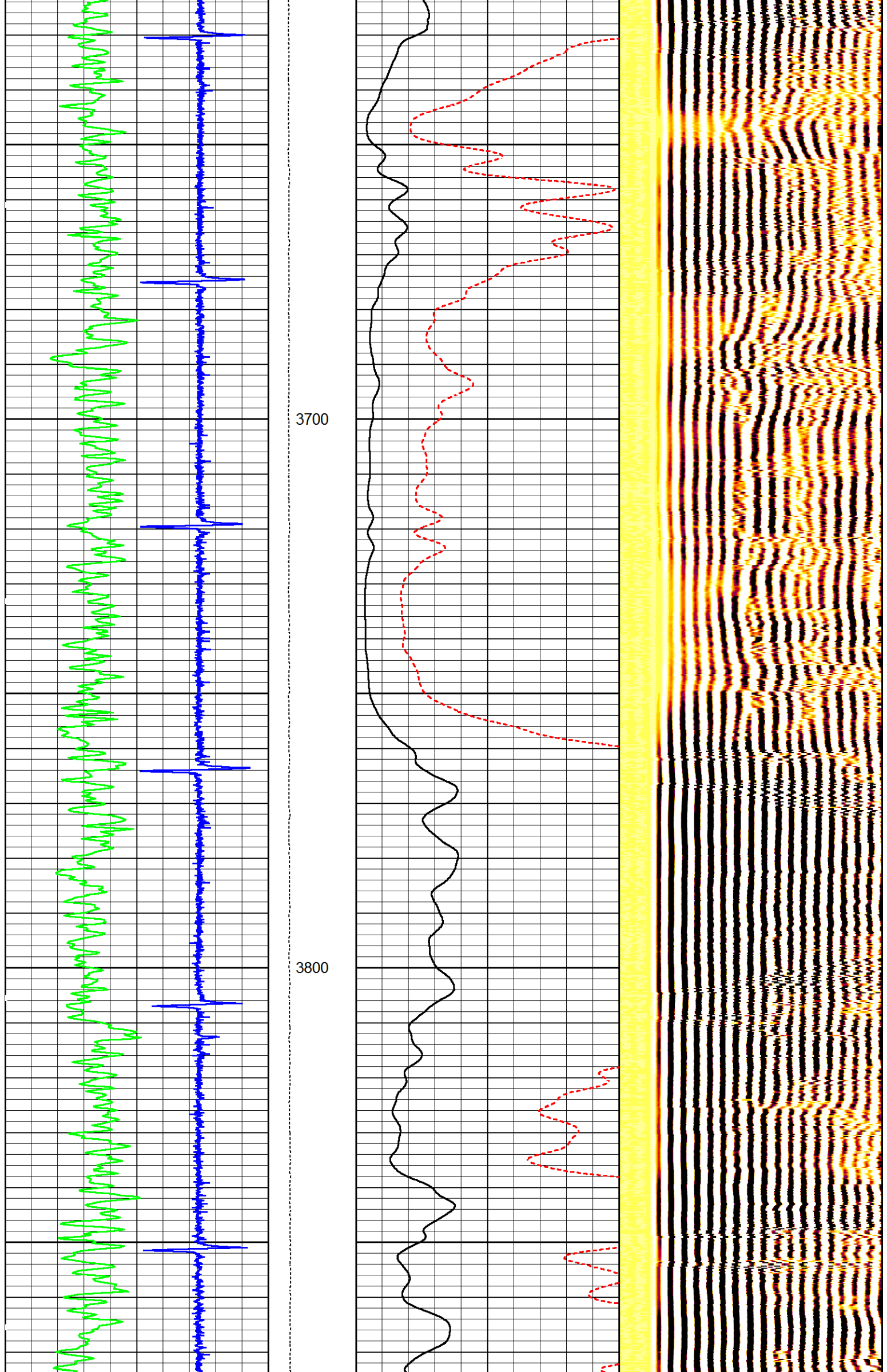


3400

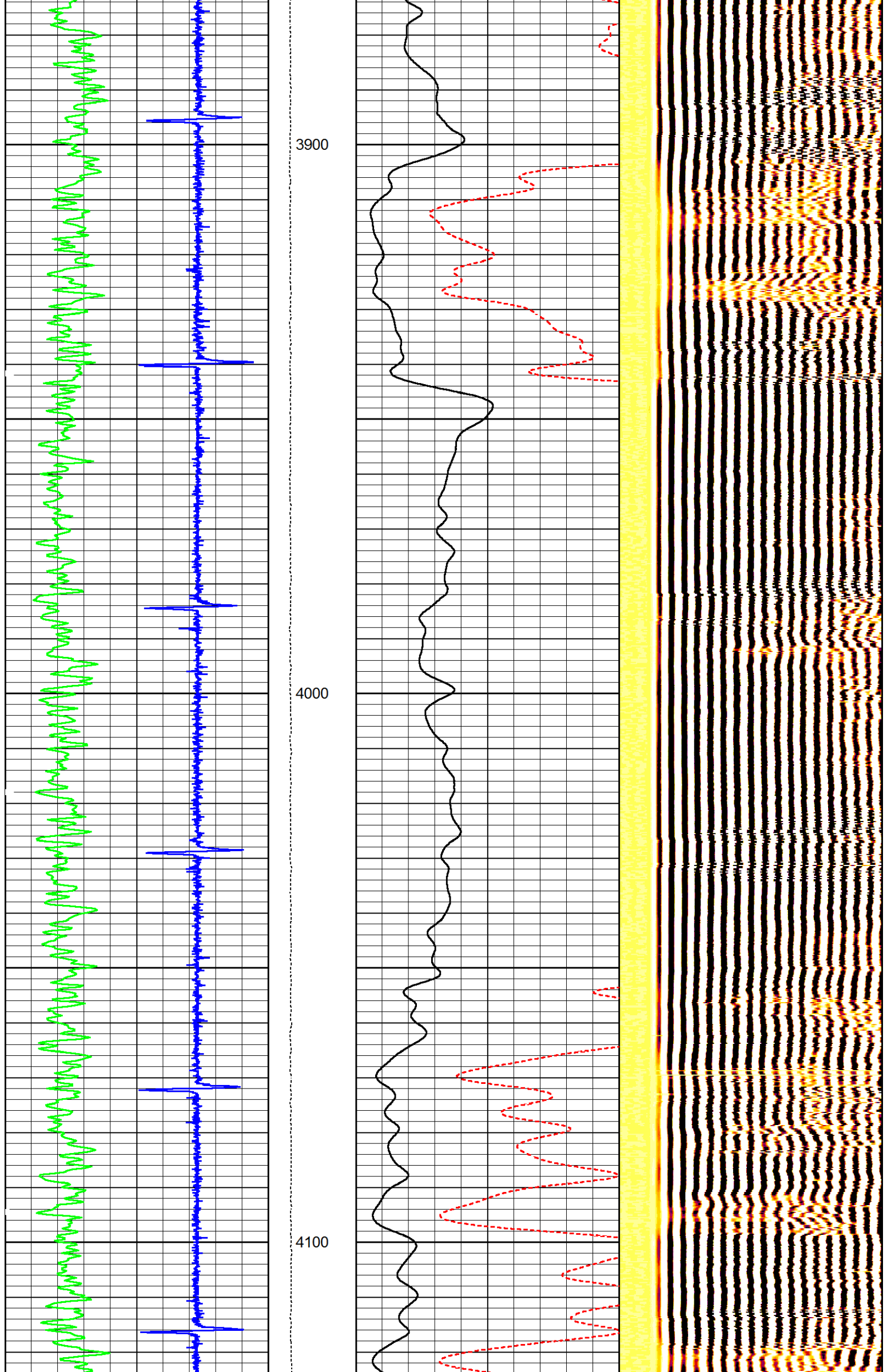
3500

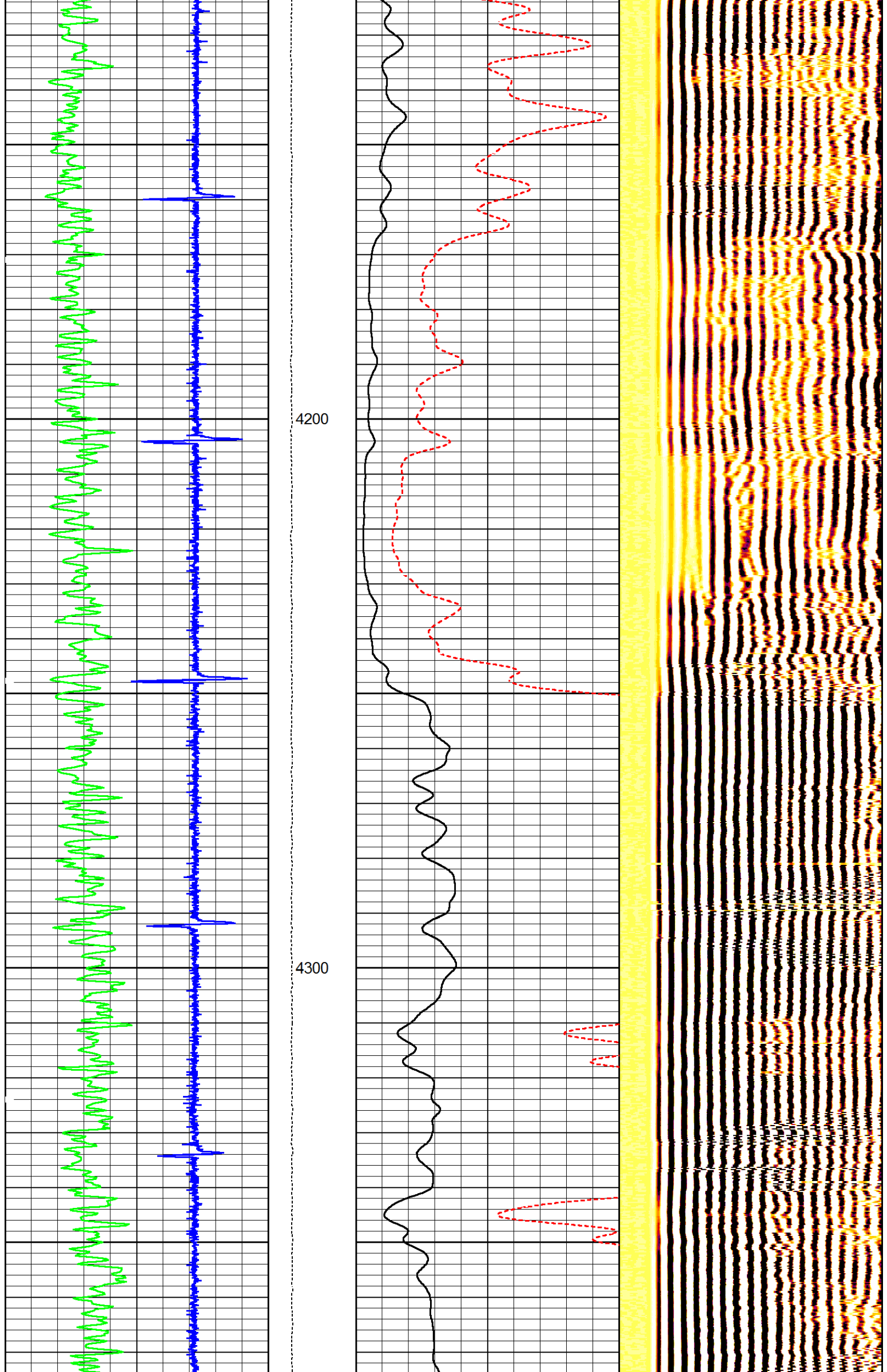
3600

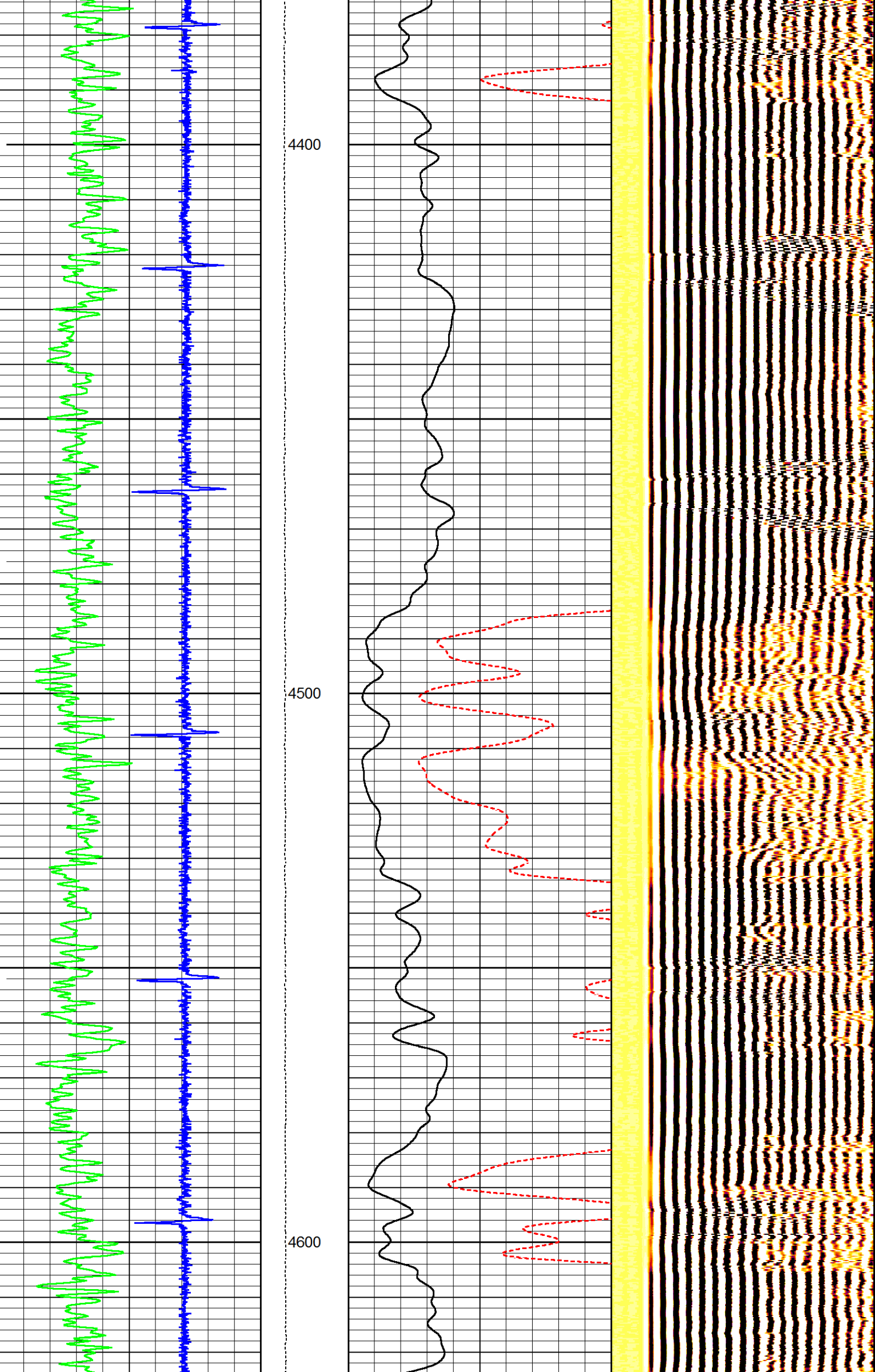




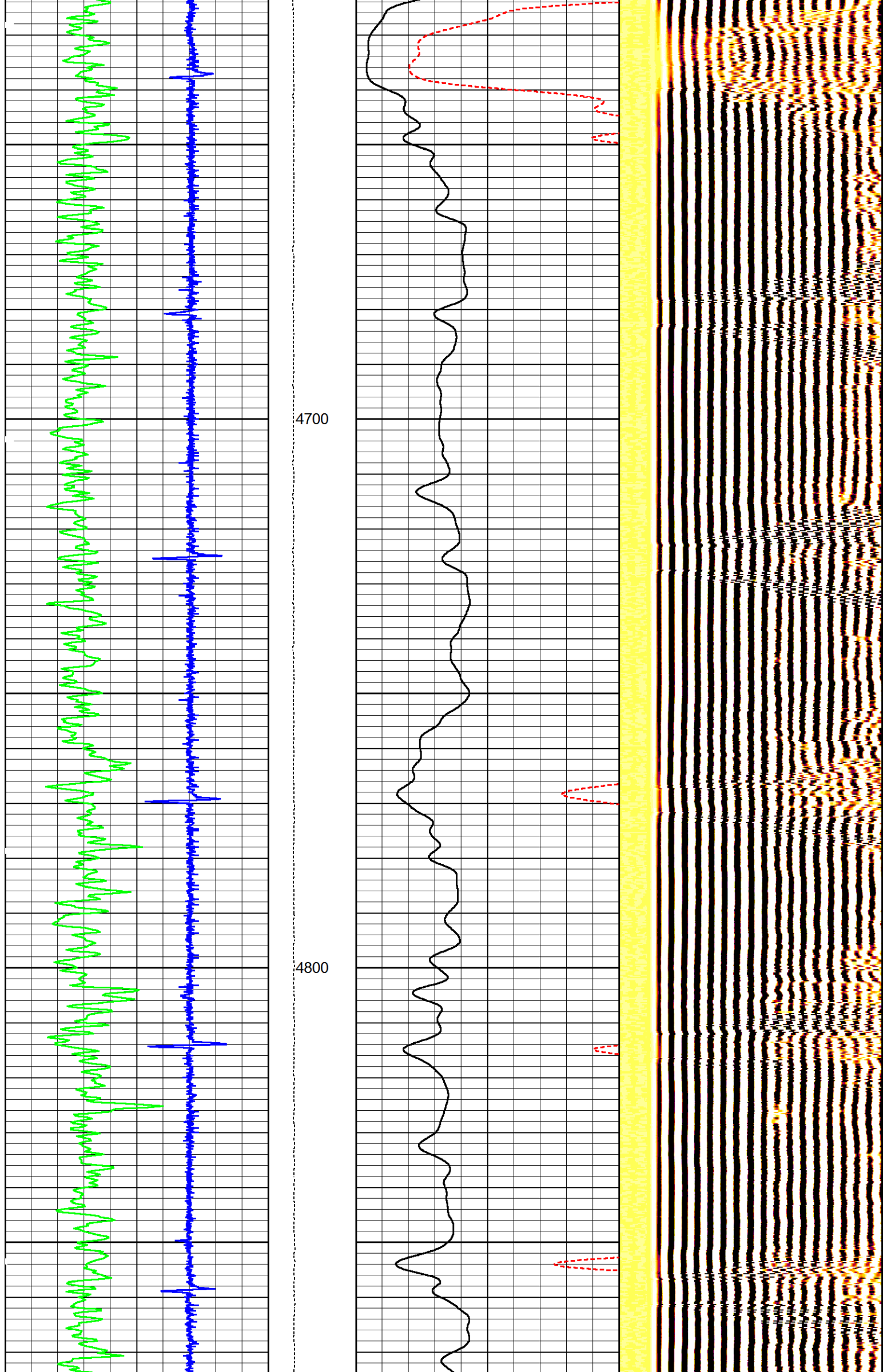


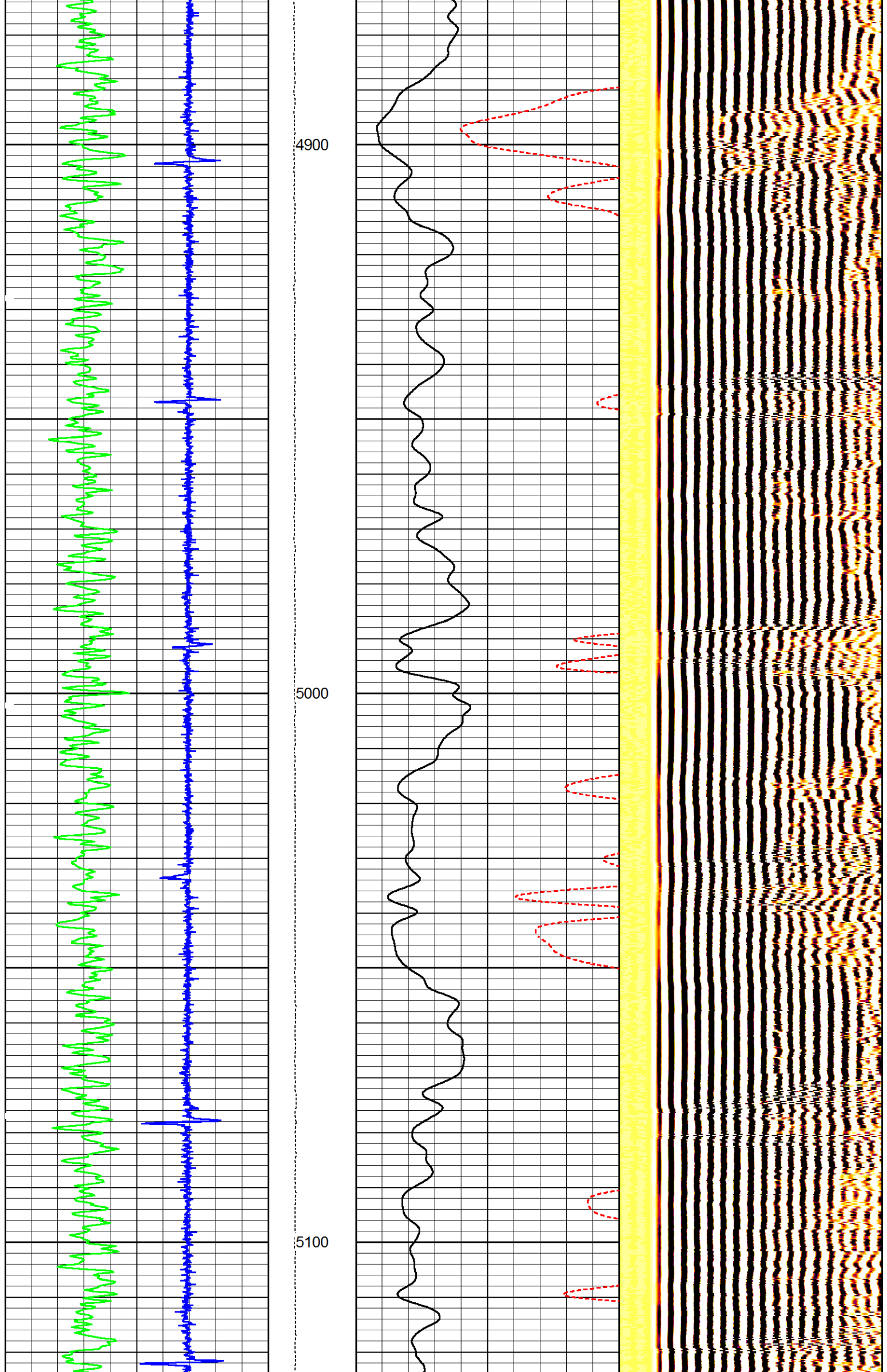


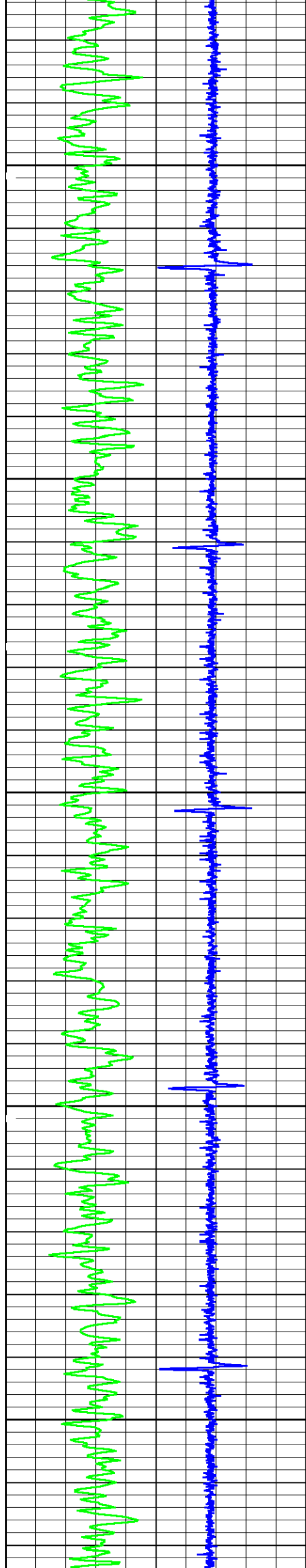






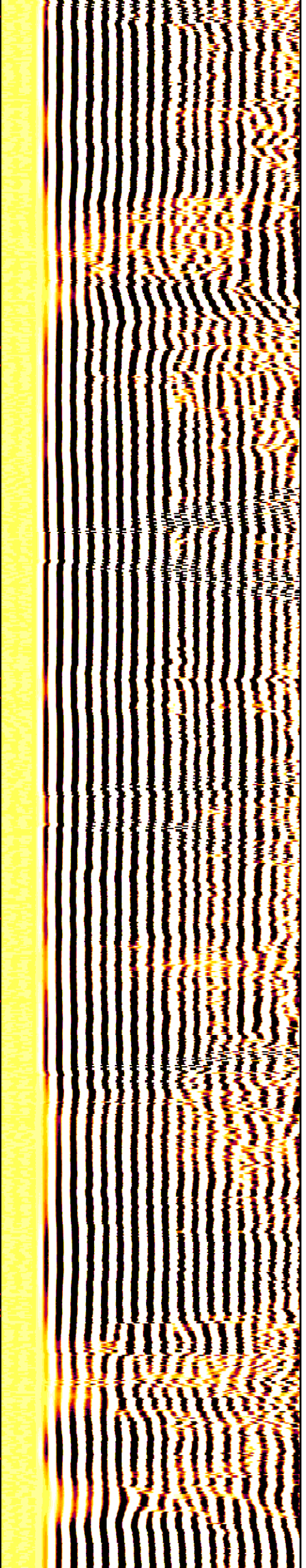
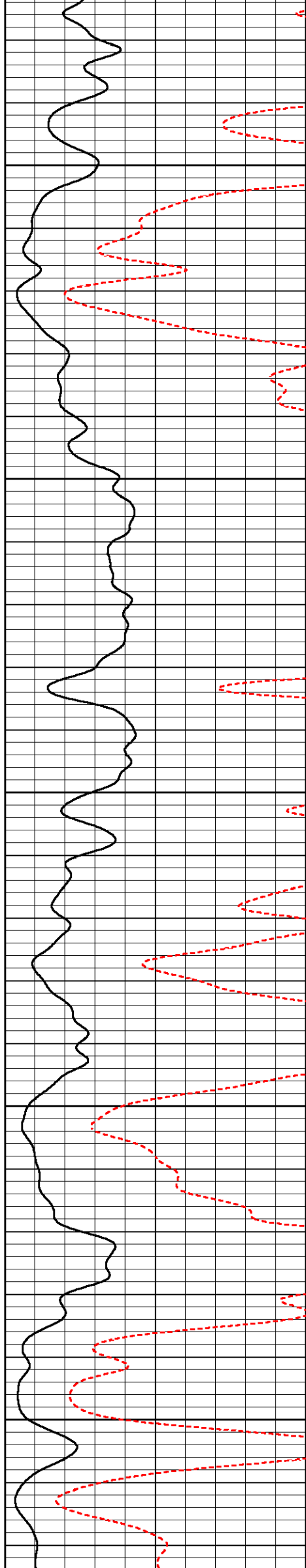




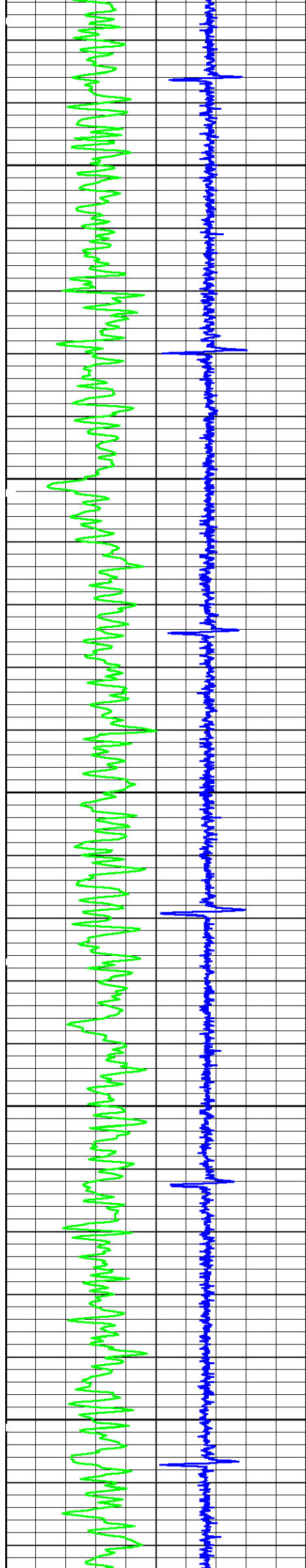


5200

5300



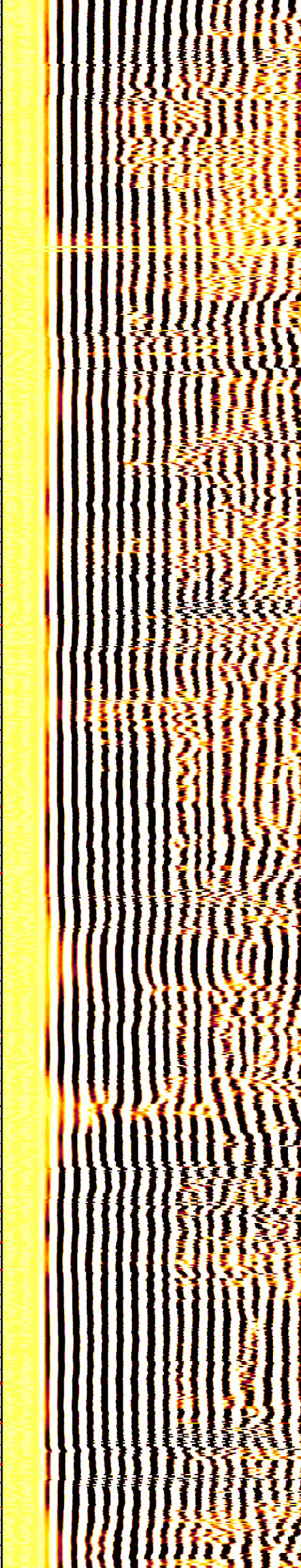
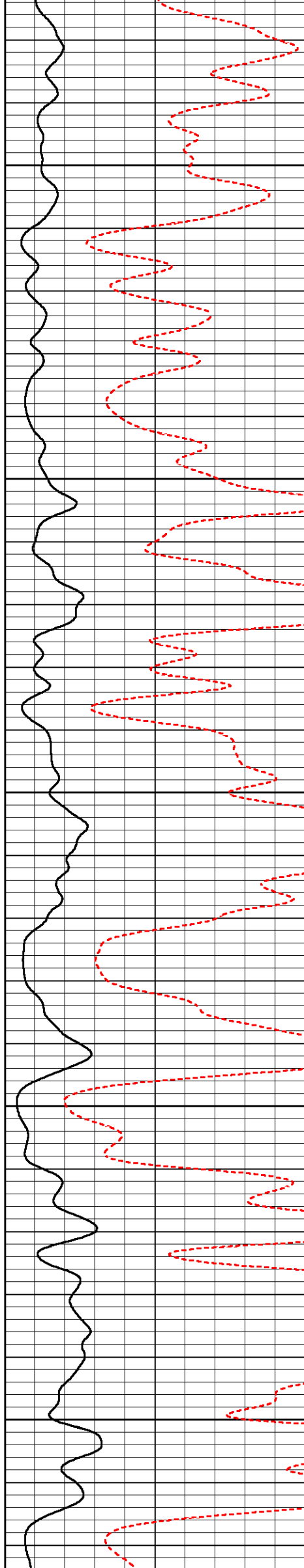


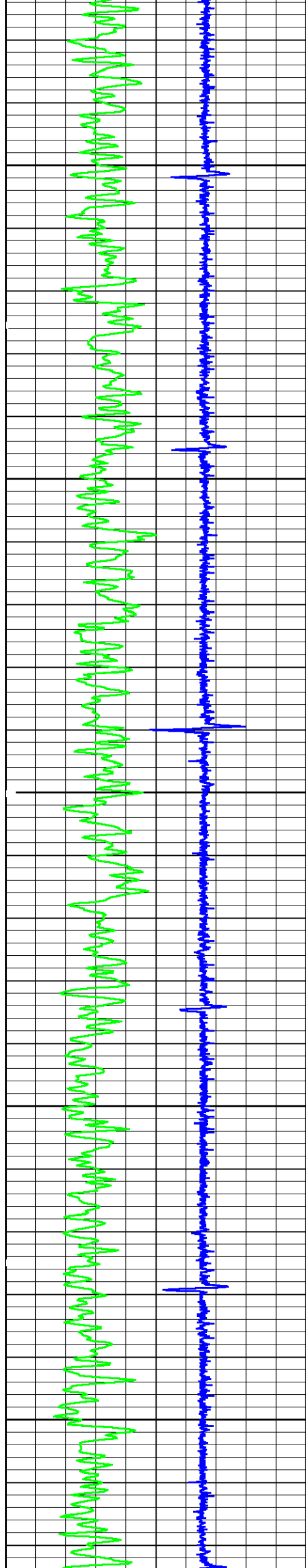


5400

5500

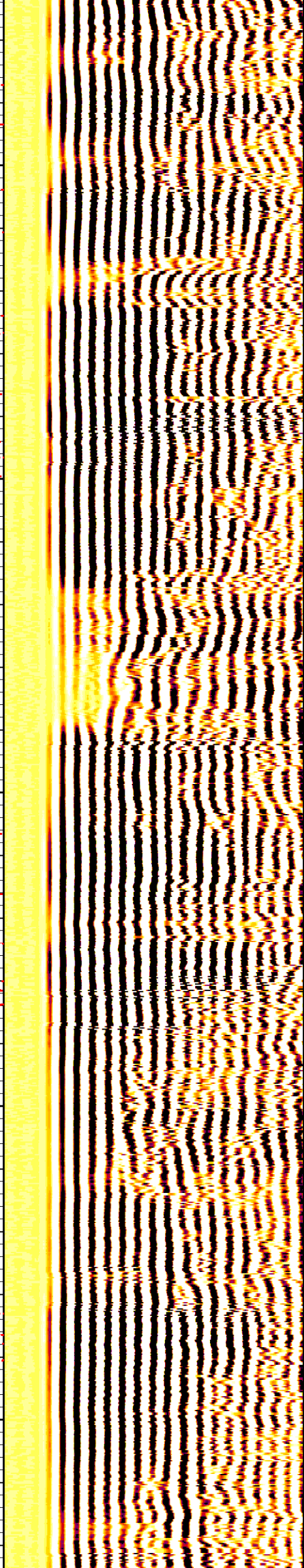
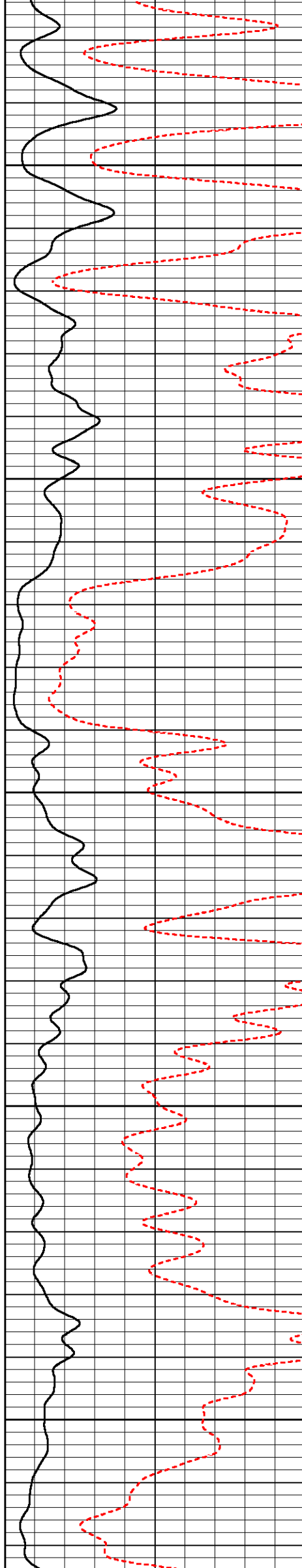
5600

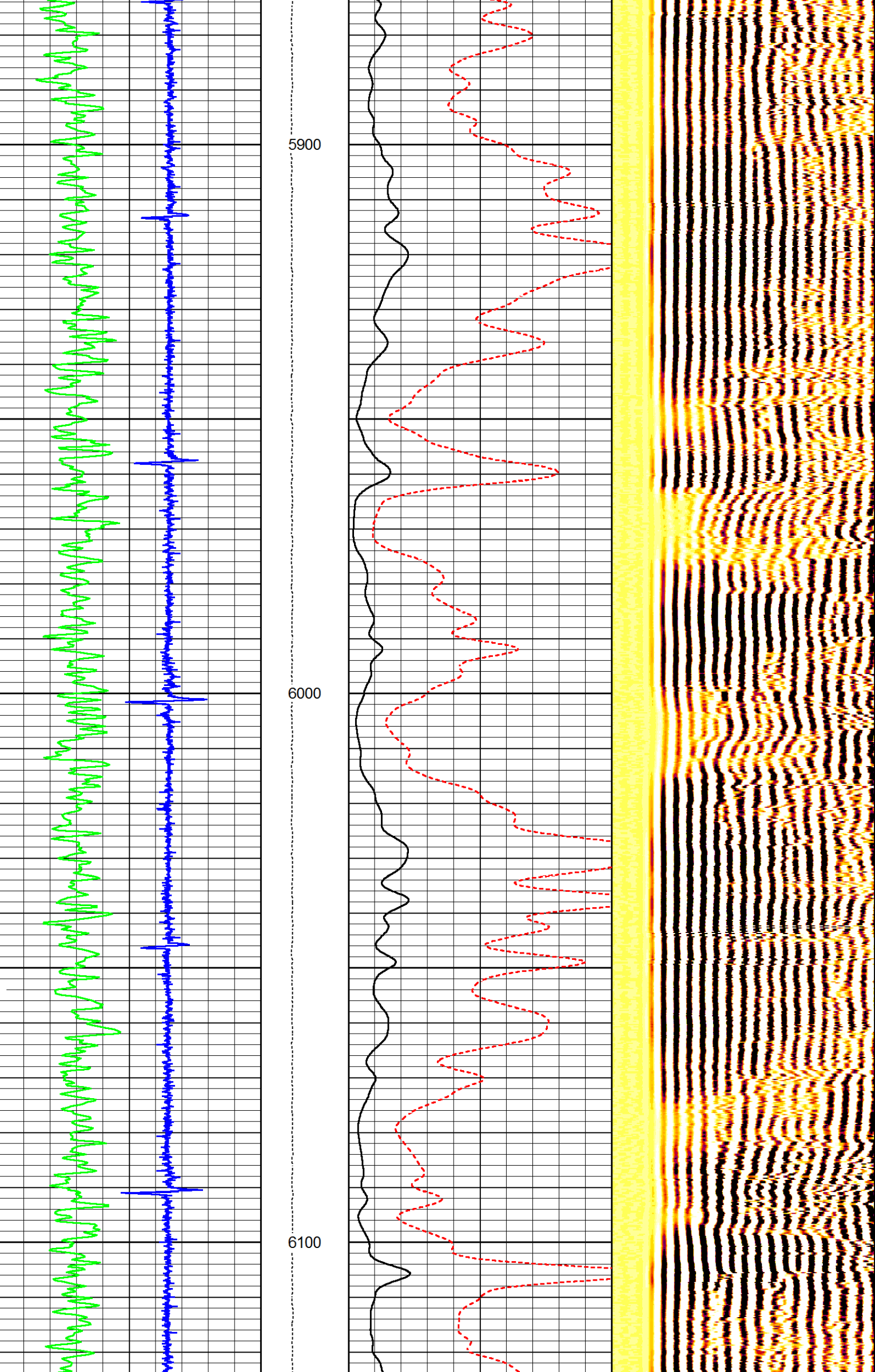




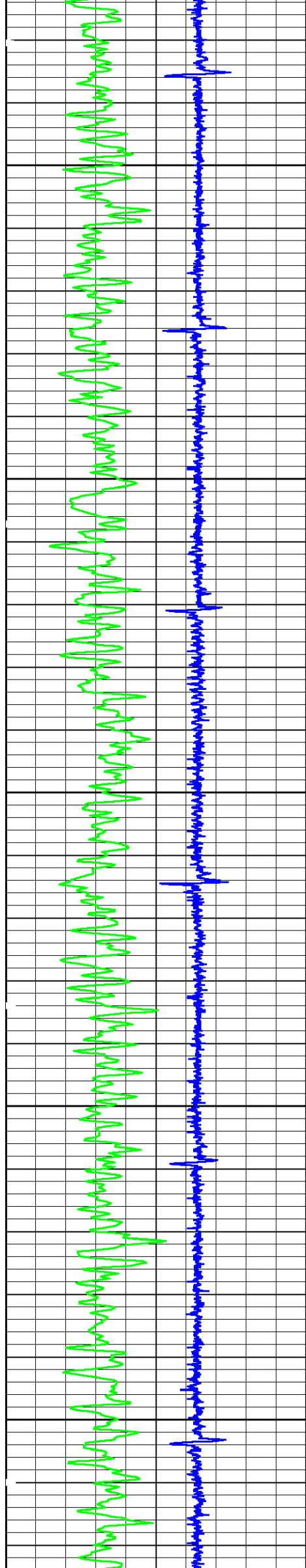
5700

5800



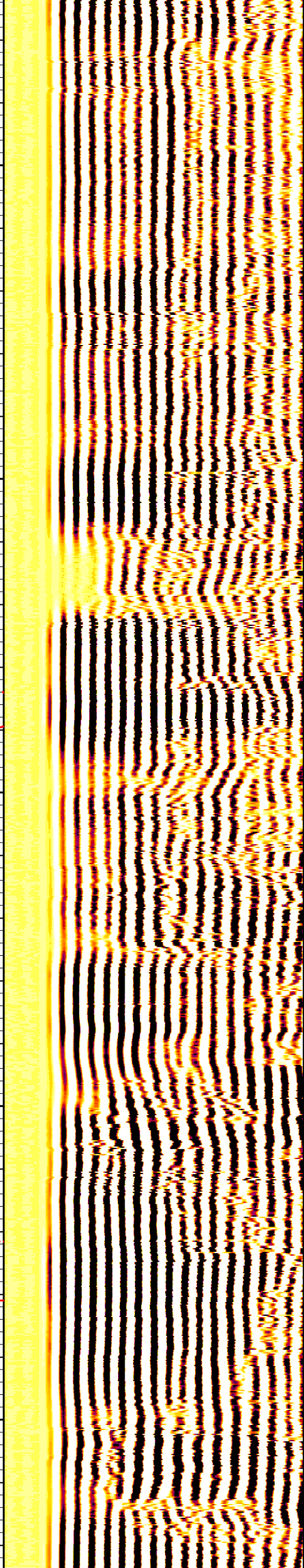
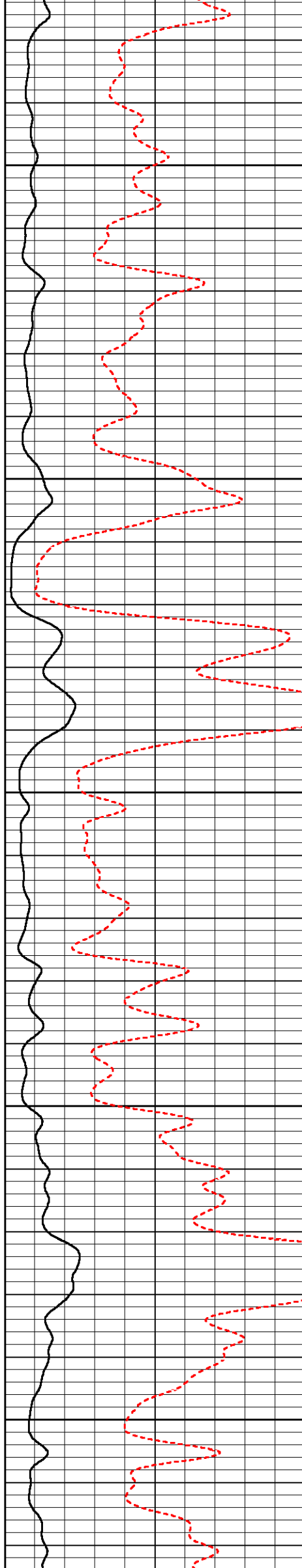


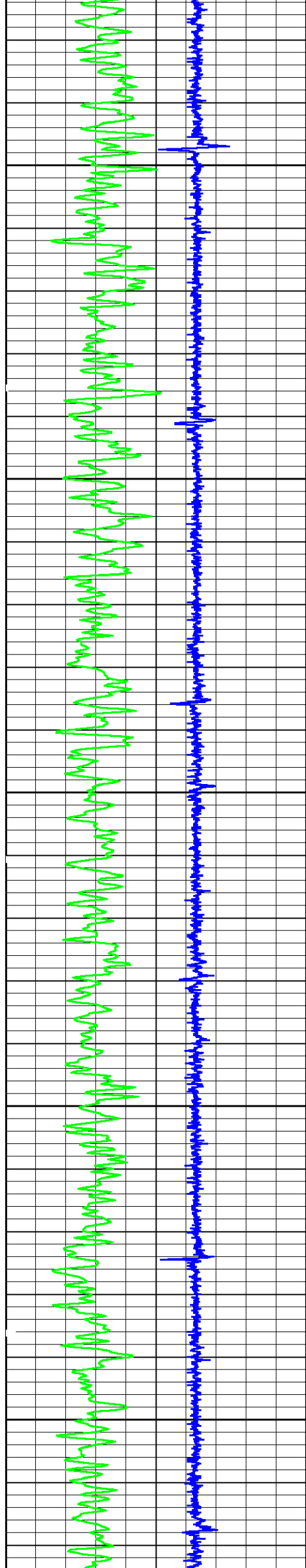




6200

6300

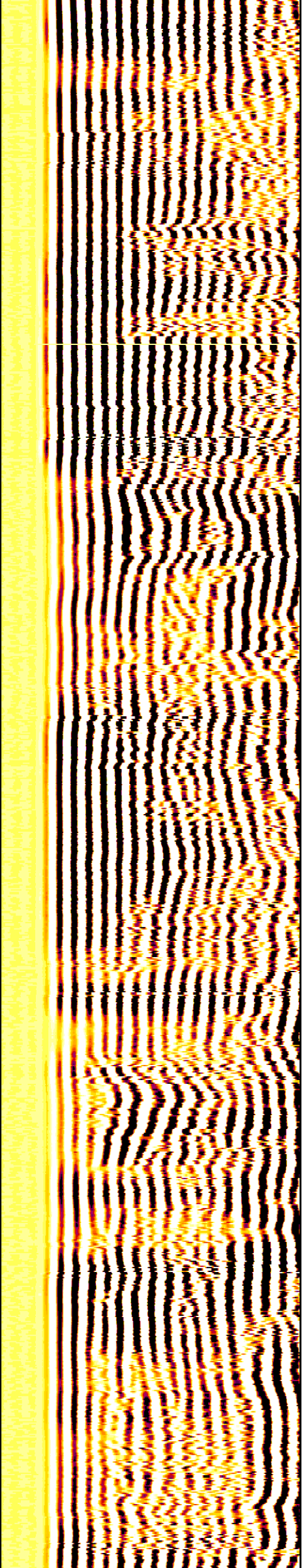
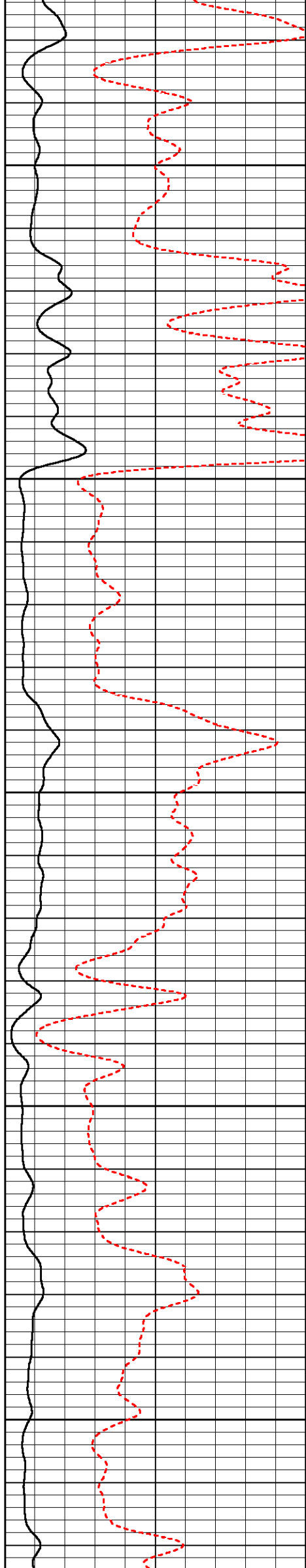




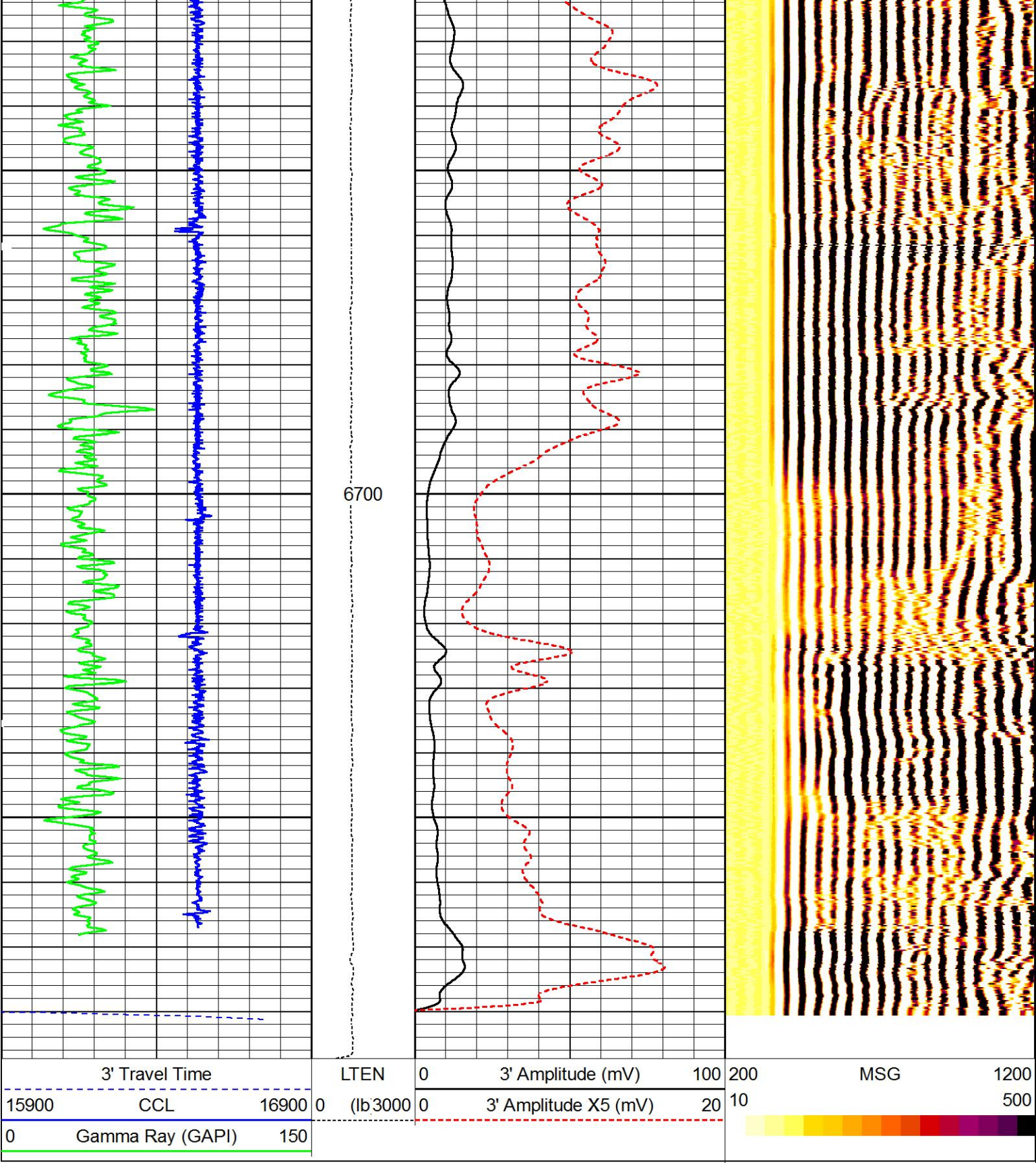
6400

6500

6600







MAIN PASS (2500 PSI)

HALLIBURTON

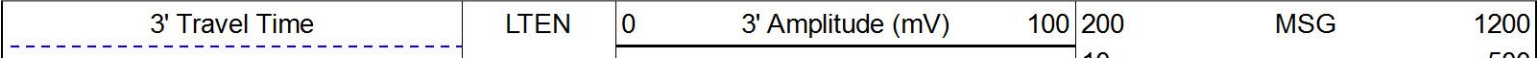
5" = 100'

REPEAT PASS (2500 PSI)

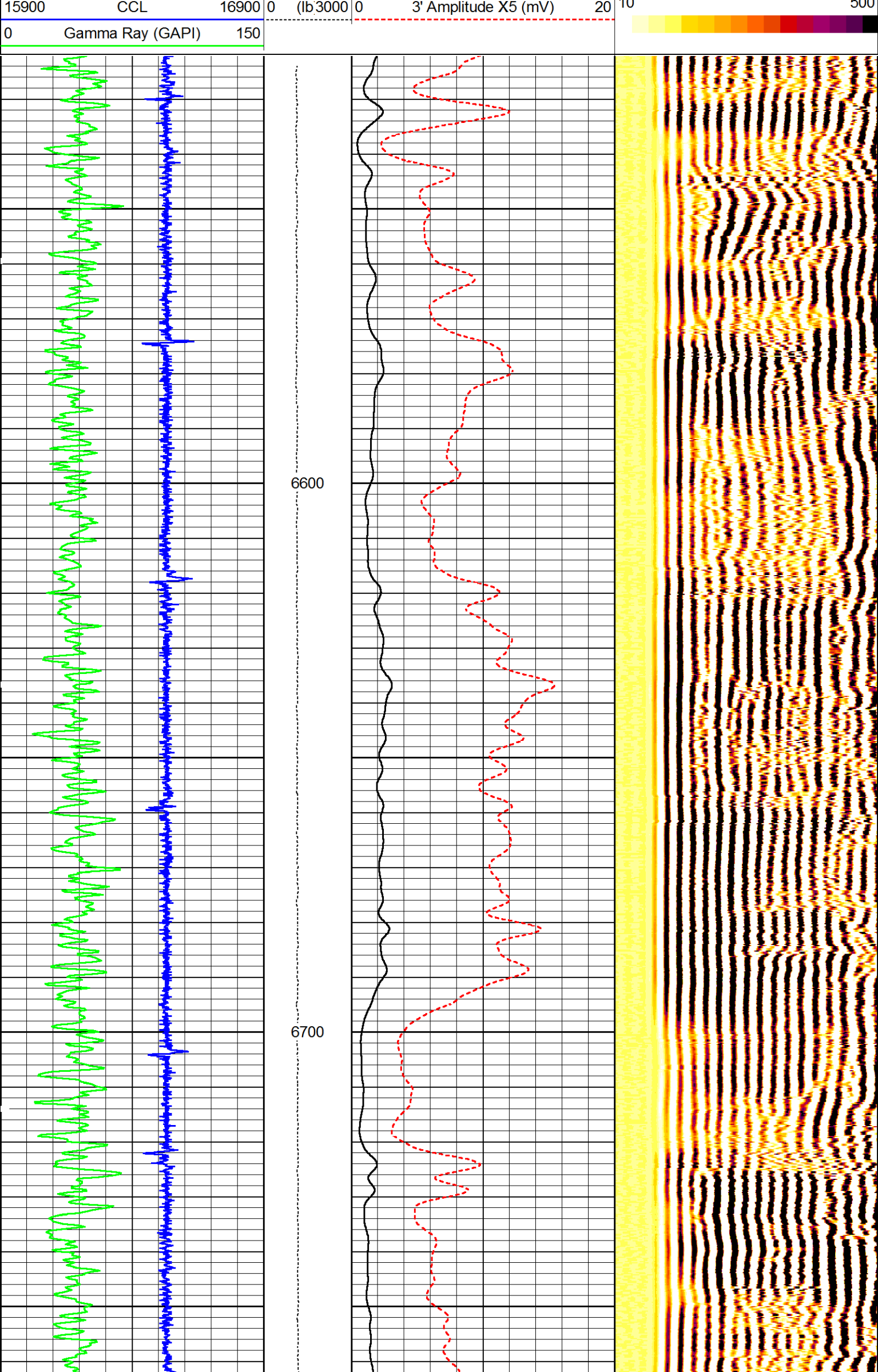
HALLIBURTON

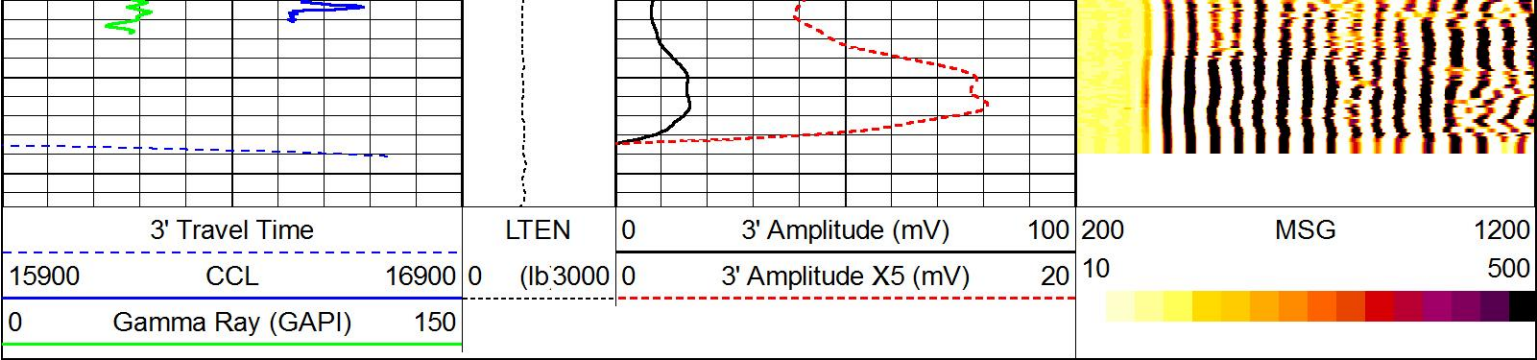
5" = 100'

Database File 3c-18-m.db  
Dataset Pathname CBL/RPT  
Presentation Format 1 synergy cbl  
Dataset Creation Thu Aug 04 13:18:17 2016  
Charted by Depth in Feet scaled 1:240









REPEAT PASS (2500 PSI)

HALLIBURTON

5" = 100'

Log Variables DatabaseD:\Warrior\_data\3c-18-m.db  
Dataset field/well/CBL/MAIN/\_vars\_

Top - Bottom

BHTEMP_Src ITEMPX	PPT usec 0	CASEWGHT lb/ft 17	MAXAMPL mV 72	MINAMPL mV 1	MINATTN db/ft 0.8	SRFTEMP degF 0	MudWgt lb/gal 8.5
CASETHCK in 0.304	CASEOD in 5.5	PERFS 0	TDEPTH ft 0	BOTTEMP degF 250	BITSIZE in 7.875		

Calibration Report

Database File 3c-18-m.db  
Dataset Pathname CBL/MAIN  
Dataset Creation Thu Aug 04 13:24:22 2016

Segmented Cement Bond Log Calibration Report

Serial Number: 000001  
Tool Model: 004  
  
Calibration Casing Diameter: 5.500 in  
Calibration Depth: 480.220 ft

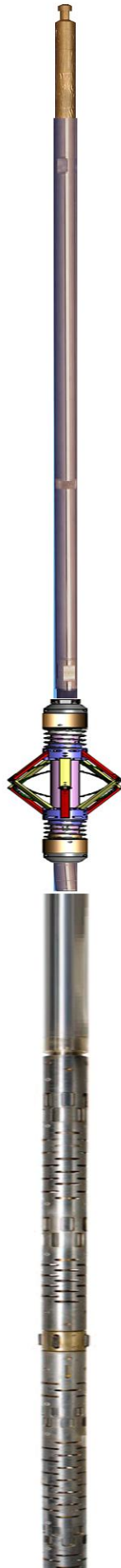
Master Calibration, performed Wed Aug 03 08:06:46 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	0.849	0.000	72.000	84.826	0.000
5FT	0.000	1.343	0.000	72.000	53.621	0.000
S1	0.000	0.824	0.000	72.000	87.414	0.000
S2	0.000	0.818	0.000	72.000	88.044	0.000
S3	0.000	0.833	0.000	72.000	86.397	0.000
S4	0.000	0.856	0.000	72.000	84.129	0.000
S5	0.000	0.874	0.000	72.000	82.374	0.000
S6	0.000	0.874	0.000	72.000	82.334	0.000
S7	0.000	0.847	0.000	72.000	84.972	0.000
S8	0.000	0.825	0.000	72.000	87.281	0.000

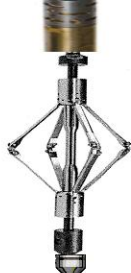
Calibration Report

Serial Number: 000001  
Tool Model: 004  
Performed:  
  
Reference (degF) Reading ()  
Low: 33.000 512.000  
High: 345.000 850.000  
Gain = 0.923 Offset = -439.615

Gamma Ray Calibration Report				
Serial Number:		10009835		
Tool Model:		002		
Performed:		Thu May 12 12:53:25 2016		
Calibrator Value:		155.0	GAPI	
Background Reading:		47.8	cps	
Calibrator Reading:		208.4	cps	
Sensitivity:		0.9654	GAPI/cps	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
CCL	20.02		STNDCH-STND_CH Fishing Neck	1.50	2.00	1.00	
			TTTCU-002 (10009835) Through Tubing Telemetry Cartridge - Ultrawire	7.65	1.69	100.00	
GR	17.76		CENT-CASTM-CENT CAST M INLINE CENTRALIZER	2.16	3.13	25.00	
	17.76		AUH-001 (000001) Adaptor Ultrawire/Halliburton	0.38	1.69	3.00	
CBLTEMP	7.55		RBT-004 (000001) Radial Bond Tool (UW 3 1/8) 20K Rated		9.48	3.13	140.00



						
			CENT-CSS169Roller CSS 1 11/16" ROLLER CENTRALIZER	2.20	1.69	4.41
LLMTEN	0.00		BUL-006 (000002) Bullnose Terminator	0.22	1.69	1.20
Dataset: 3c-18-m.db: field/well/CBL/MAIN Total length: 23.59 ft Total weight: 274.61 lb O.D.: 3.13 in						

Company	SYNERGY RESOURCES CORP.				
Well	FAGERBERG 3C-18-M				
Field	WATTENBERG				
County	WELD	State	CO		
HALLIBURTON	CEMENT BOND LOG				