



CEMENT BOND LOG

COMPANY URSA OPERATING COMPANY WELL VALLEY FARMS 44C-11-06-92 FIELD GRAVEL TREAD CNTY GARFIELD STATE CO									
COMPANY URSA OPERATING COMPANY WELL VALLEY FARMS 44C-11-06-92 FIELD GRAVEL TREAD COUNTY GARFIELD STATE COLORADO									
LOCATION: SHL: 1226' FSL & 1145' FEL BHL: 0519' FSL & 0660' FEL SEC.11 TWP.6S RGE92W									
OTHER SERVICES: PND GR/JB									
PERM. DATUM GROUND LEVEL ELEV. 5577' LOG MEASURED FROM K.B.13.5 FT. ABOVE PERMANENT DATUM DRILLING MEASURED FROM K.B.									
ELEV.:K.B. 5590.5 D.F. 5590.5 G.L. 5577.0									
DATE	20-JAN-2015								
RUN NO.	ONE								
DEPTH DRILLER	7389'								
DEPTH LOGGER	7216'								
BTM. LOG INTERVAL	7210'								
TOP LOG INTERVAL	1000'								
OPEN HOLE SIZE	7.875"								
TYPE FLUID	WATER								
DENS.	8.3								
VISC.	N/A								
MAX. REC. TEMP. F	186 DEG. F								
EST. CEMENT TOP	SEE LOG								
TIME WELL READY	ROA								
TIME LOGGER ON BTM.	SEE LOG								
EQUIP. NO.	14247								
LOCATION	CASPER								
RECORDED BY	P. MAZUR								
WITNESSED BY	NOT WITNESSED								
BOREHOLE RECORD									
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO		
TUBING RECORD									
CASING RECORD	SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM			
SURFACE STRING	8.625"				SURF	1000'			
PROD. STRING	4.5"	11.6			SURF	7488'			
PROD. STRING									
LINER									

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation or recommendation made by any of our employees or agents.

[illegible]

DEPTH SCALE: 5":100'

PROCESSED VERSION: 2012.07.18.162"

MAIN PASS

108968825 SBTMAIN

FINISH DEPTH: 968.4 Feet DIRECTION: UP DATE: 01/20/2015 TIME: 14:58 MODE: ORIGINAL

CCL

-3600 Millivolts 400

GAMMA RAY

0 API 150

TRAVEL TIME 3FT

310 Microseconds 210

MAX ENERGY

0 mv 100

AVG ENERGY

0 mv 100

MIN ENERGY

0 mv 100

Tension

0 2000

3' AMP X 5

0 mv 20

AMPLITUDE 3FT

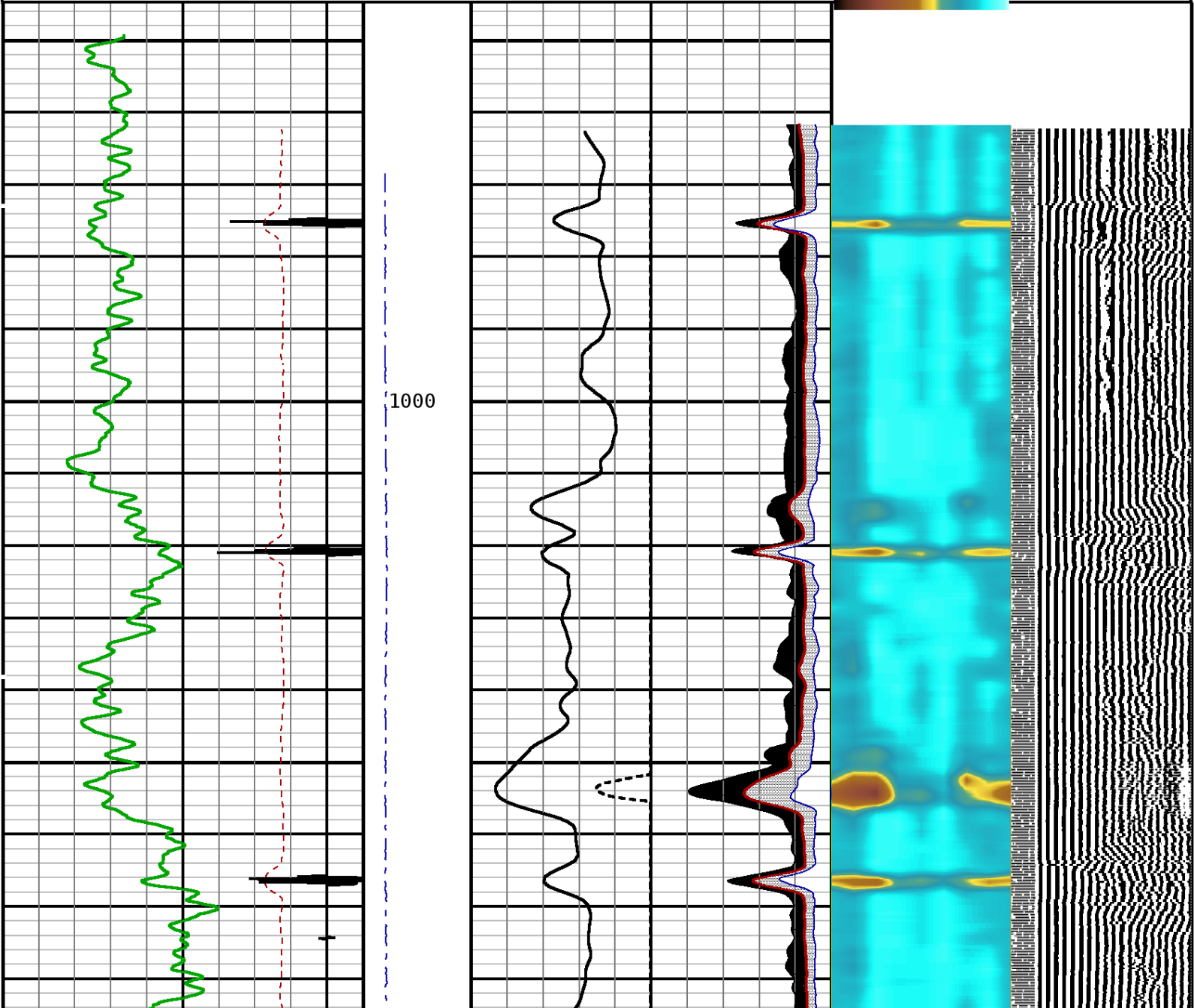
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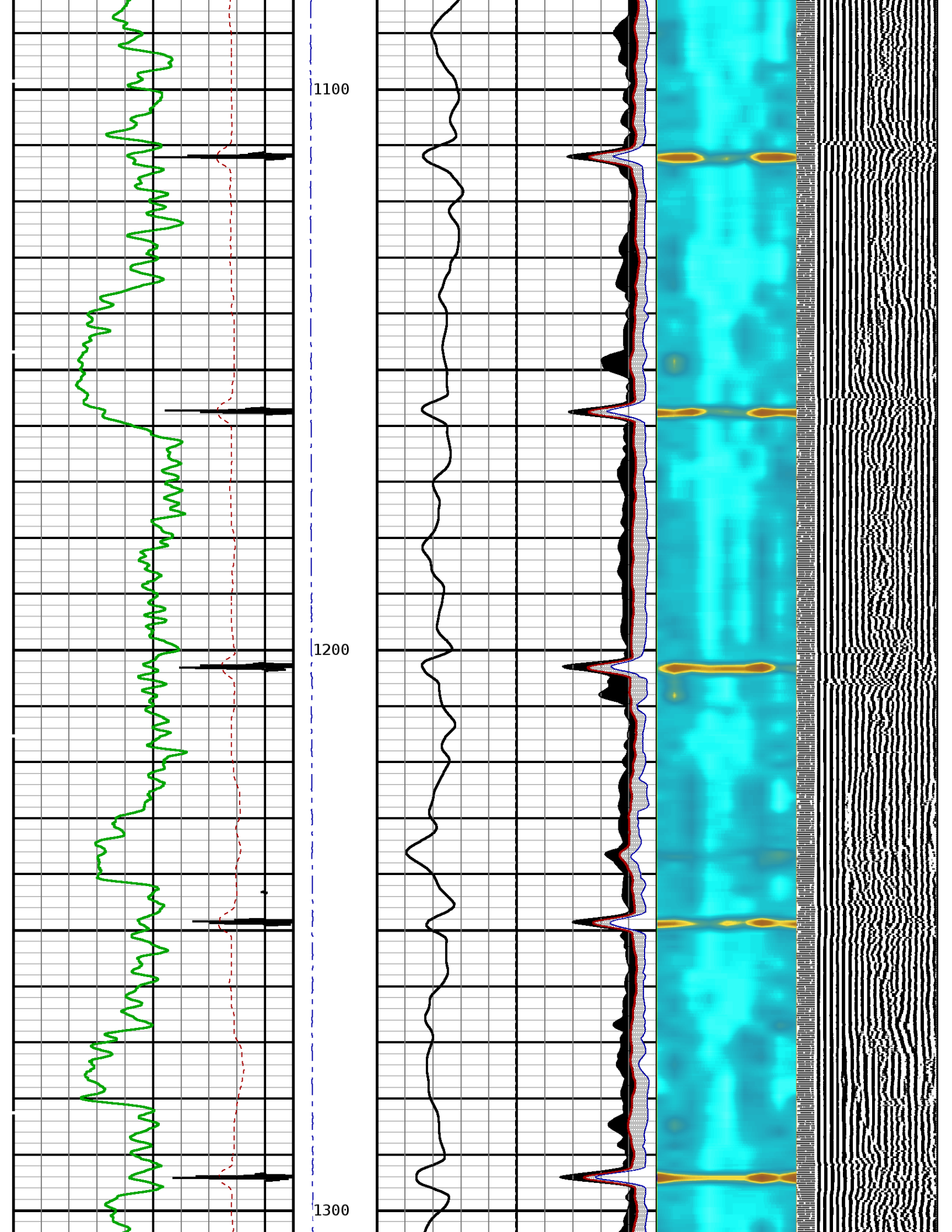
VARIABLE ENERGY

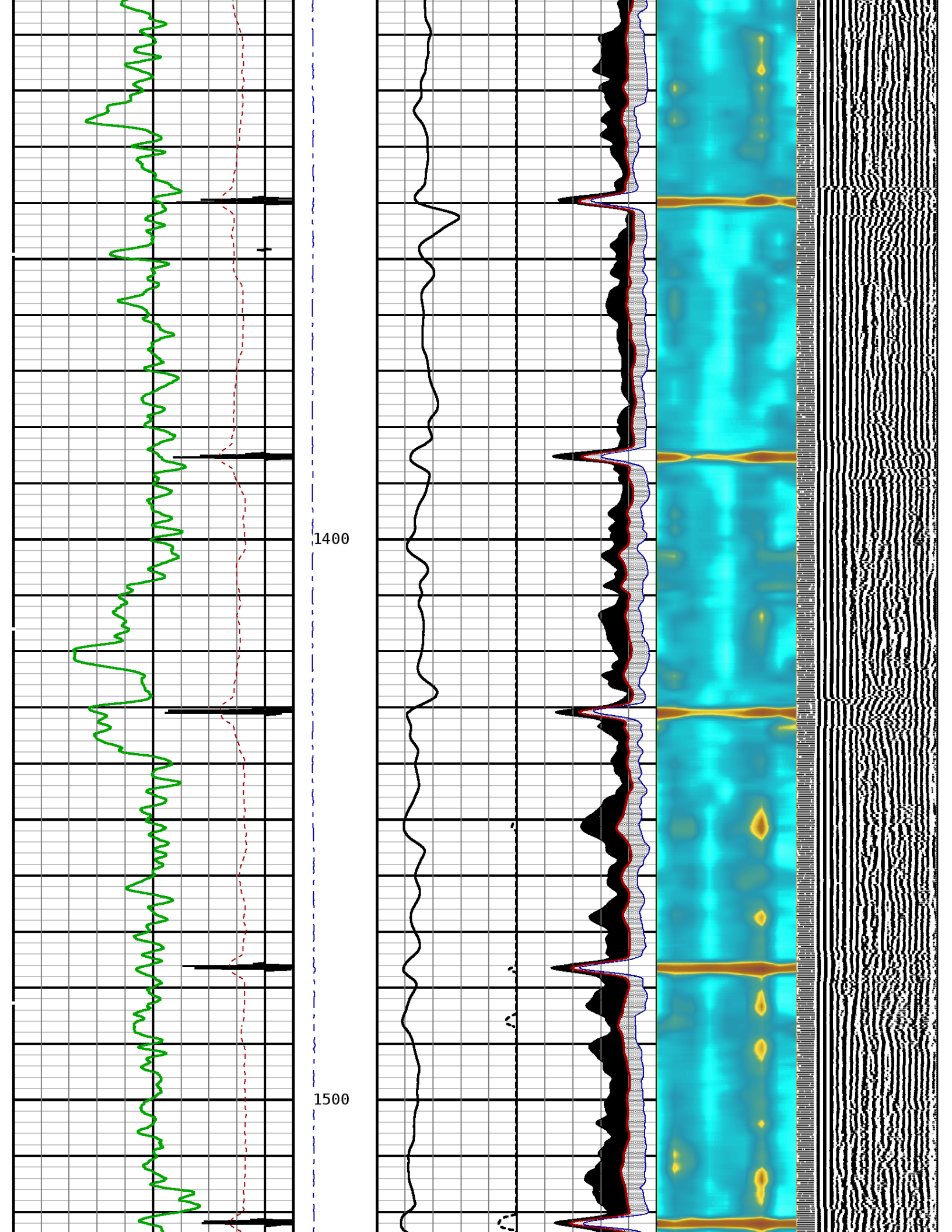
0 mv 80

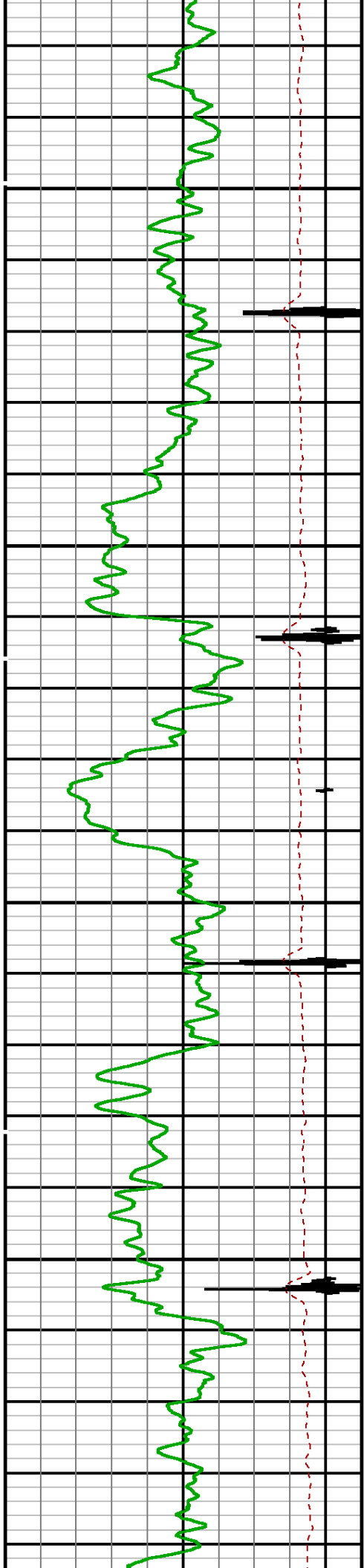
VARIABLE DENSI

200 us 1200



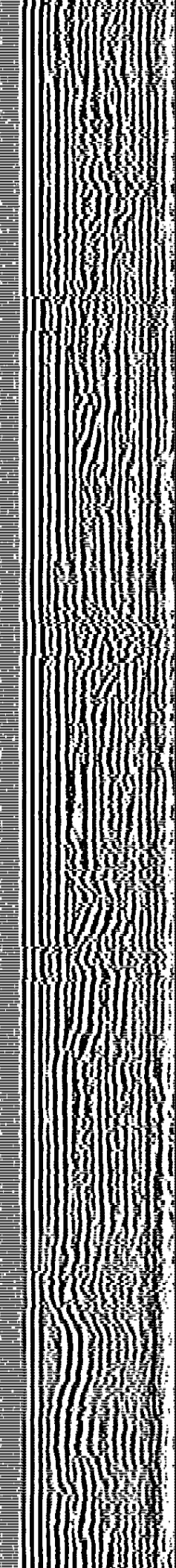
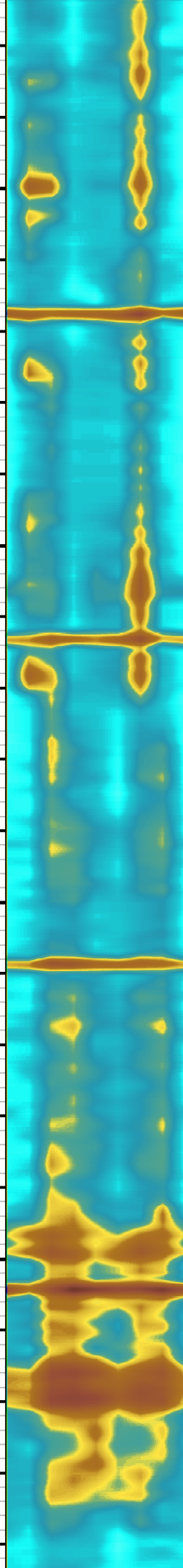
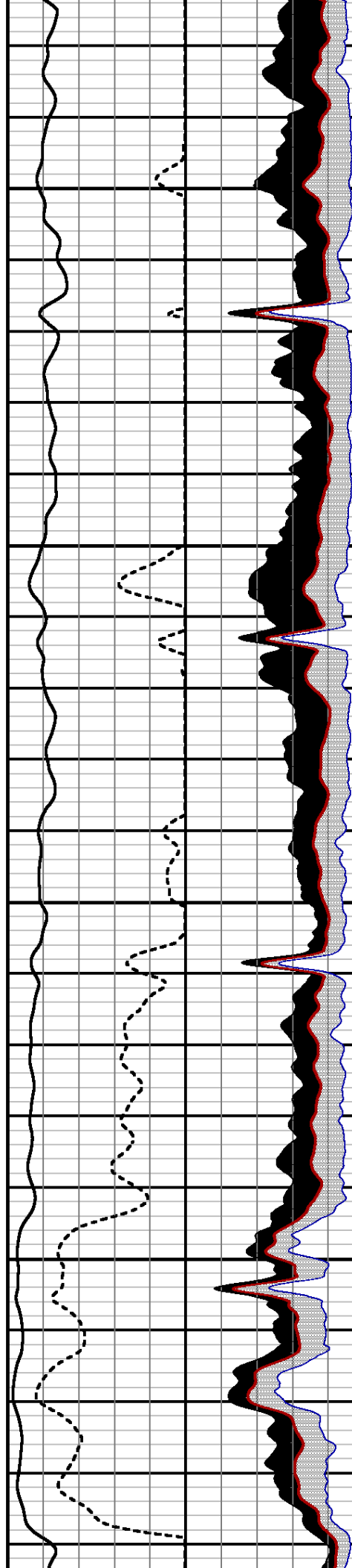


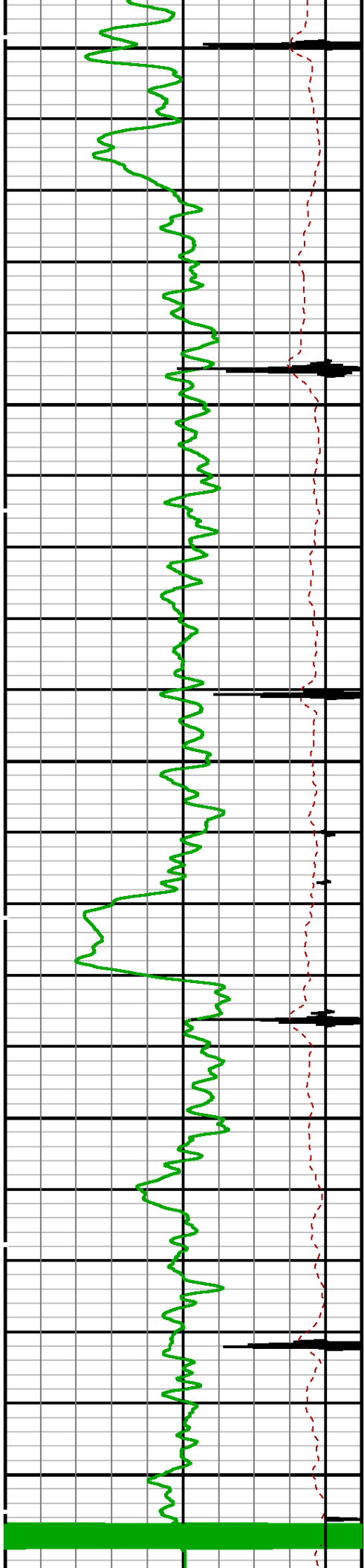




1600

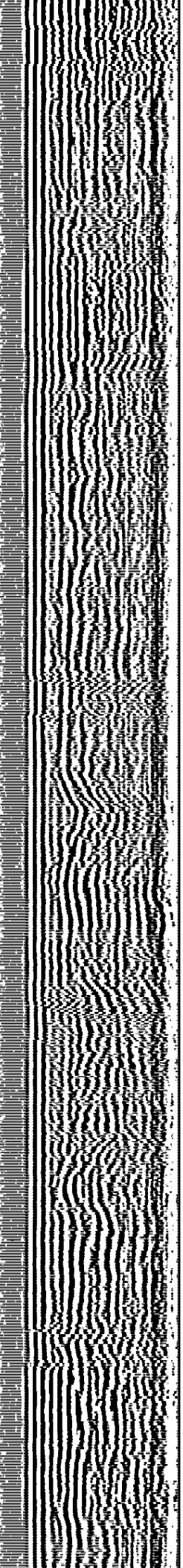
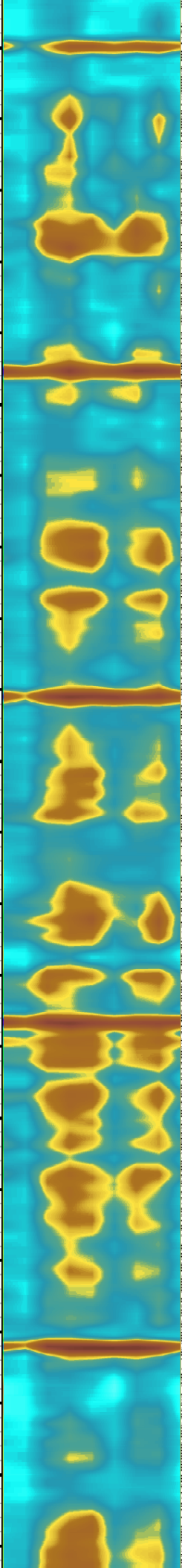
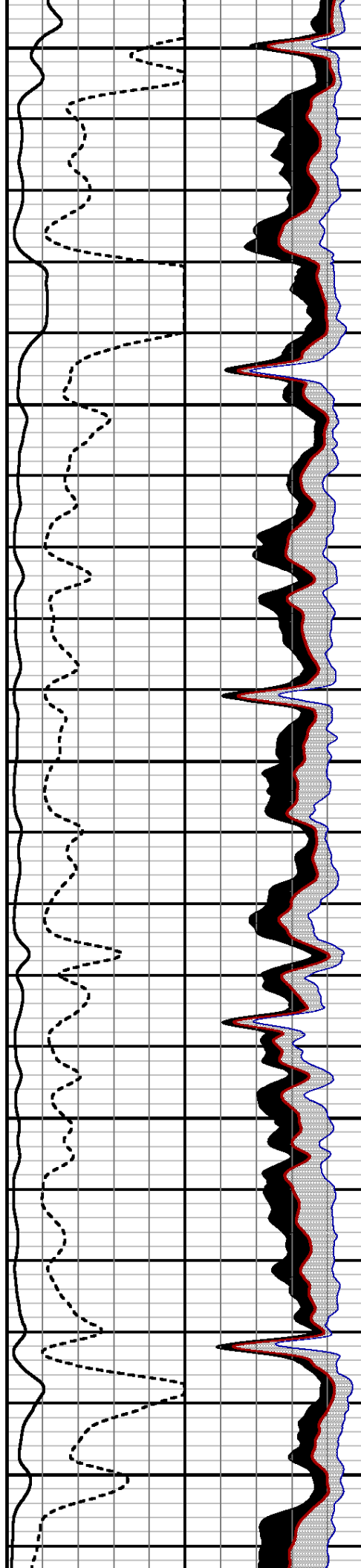
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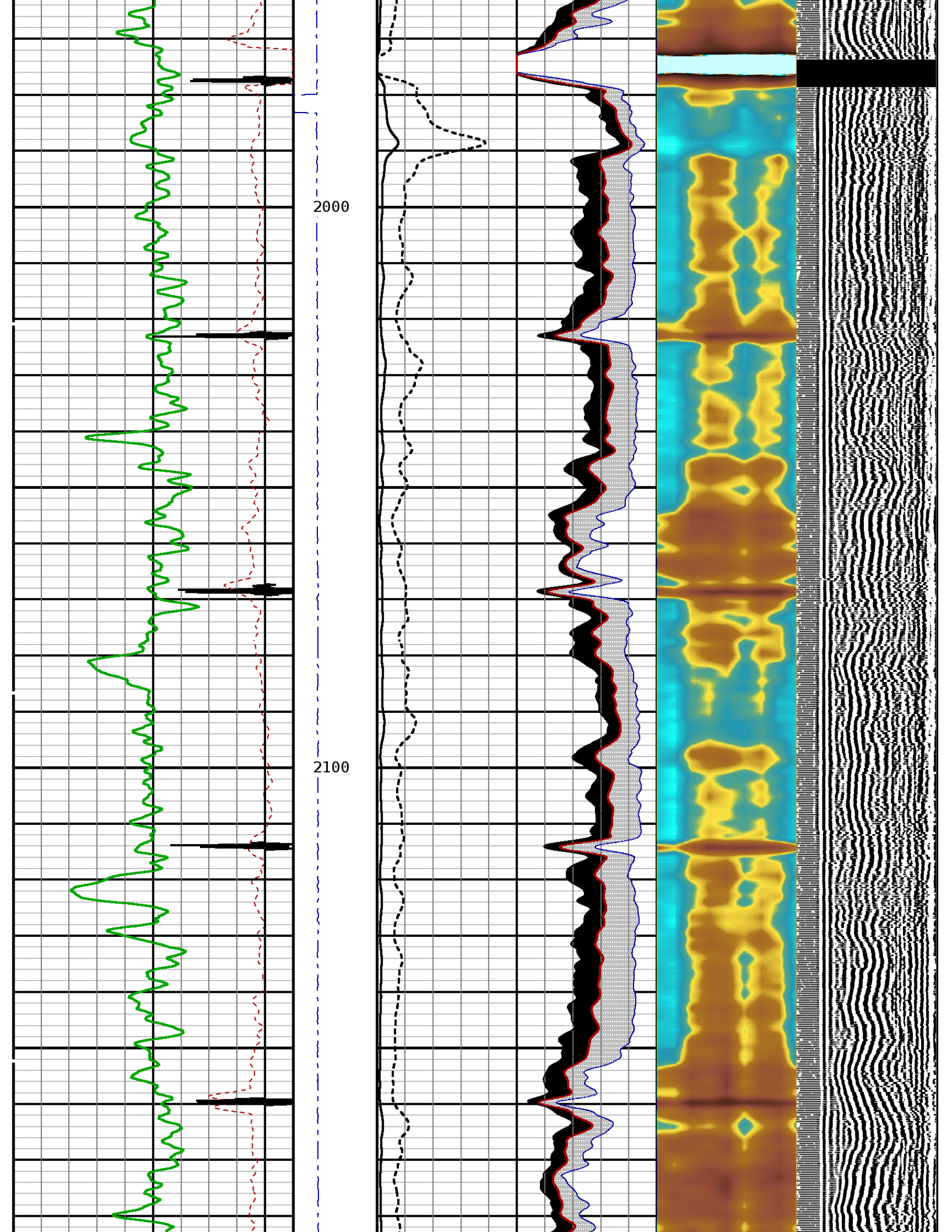


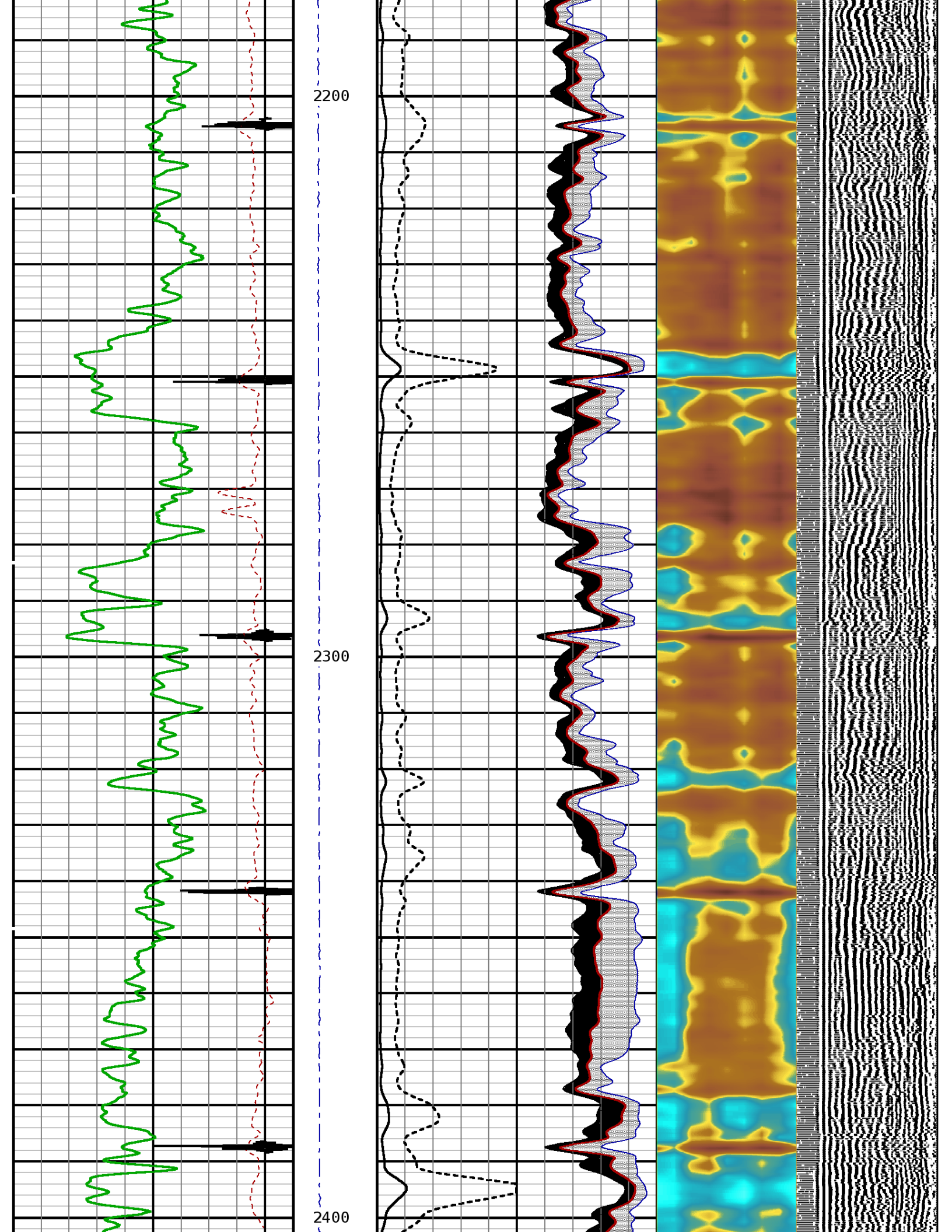


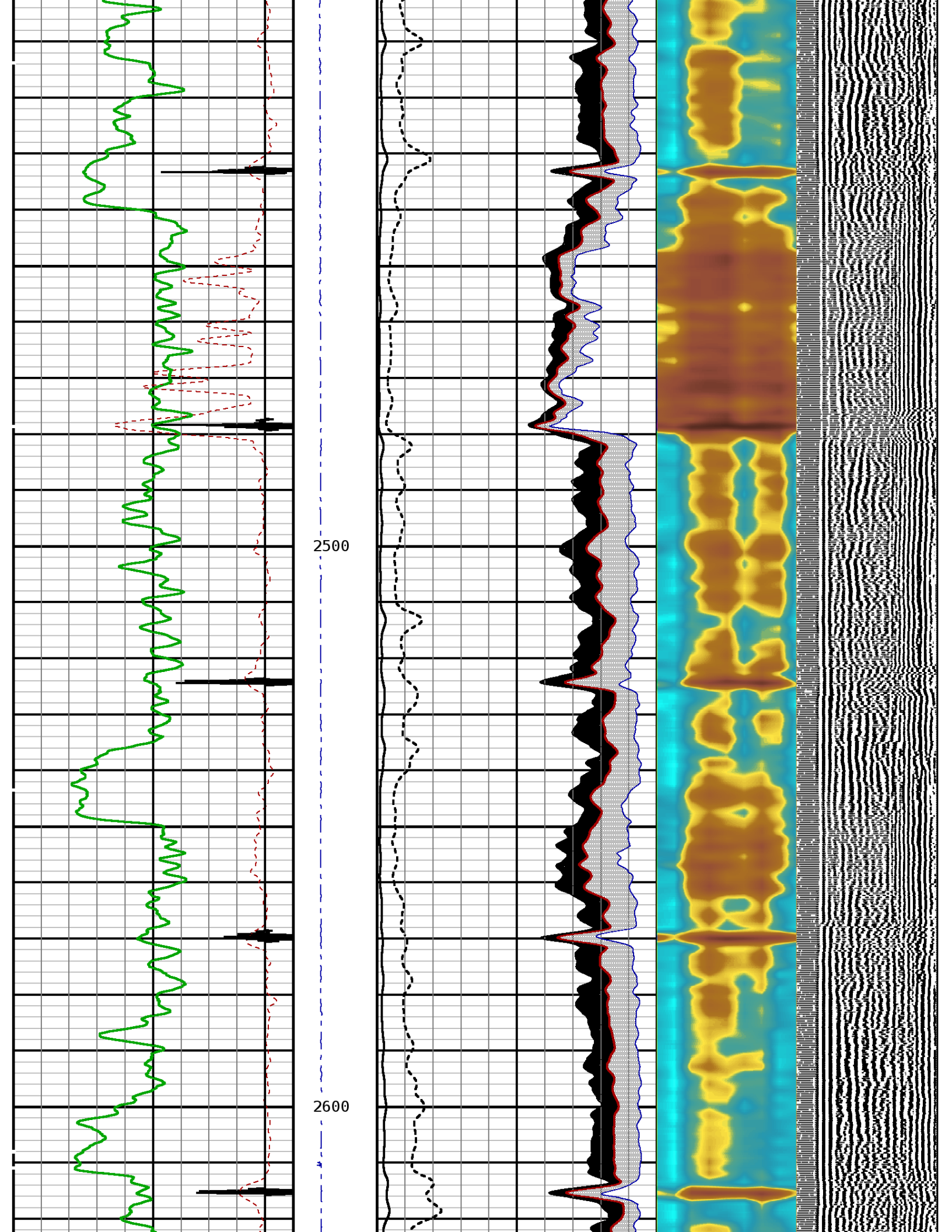
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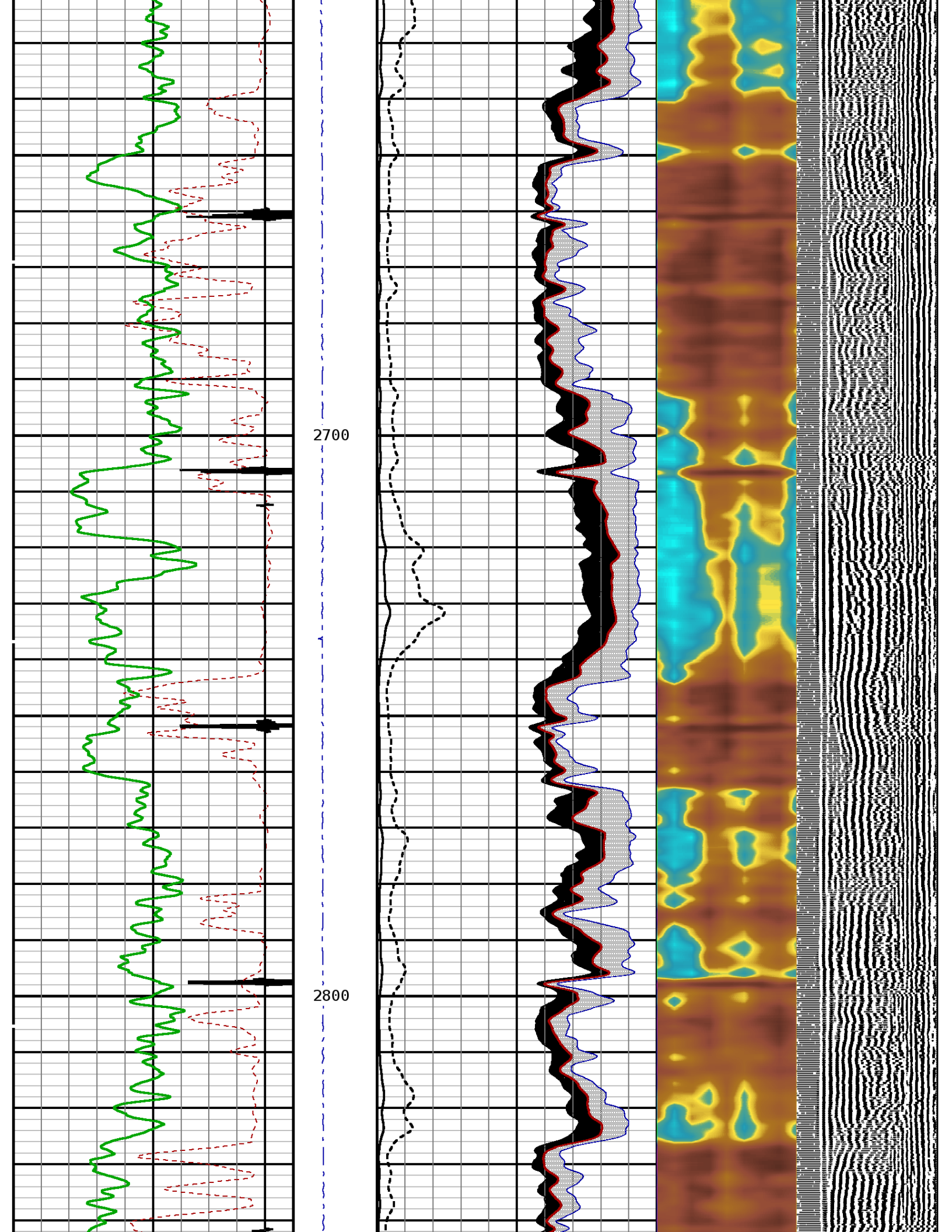
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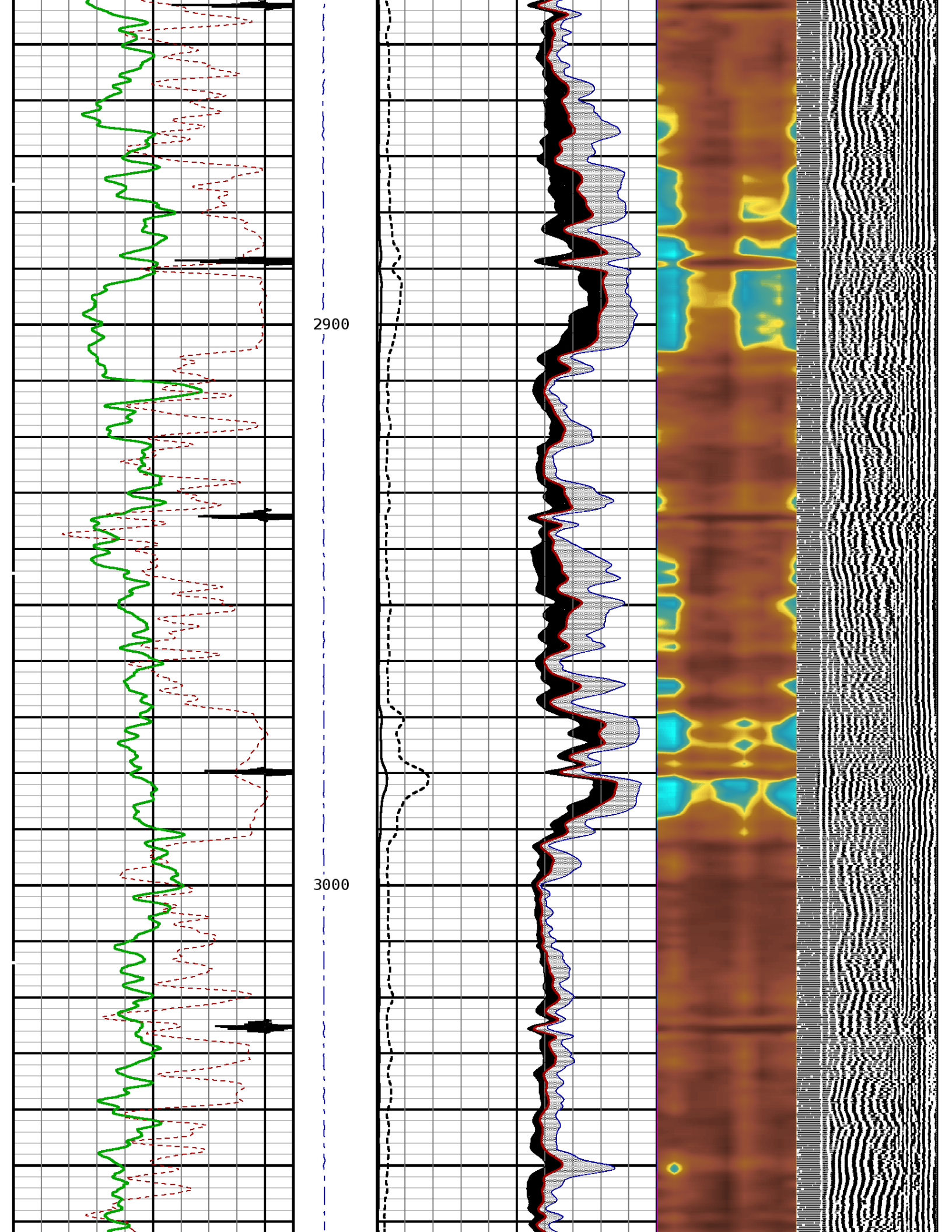


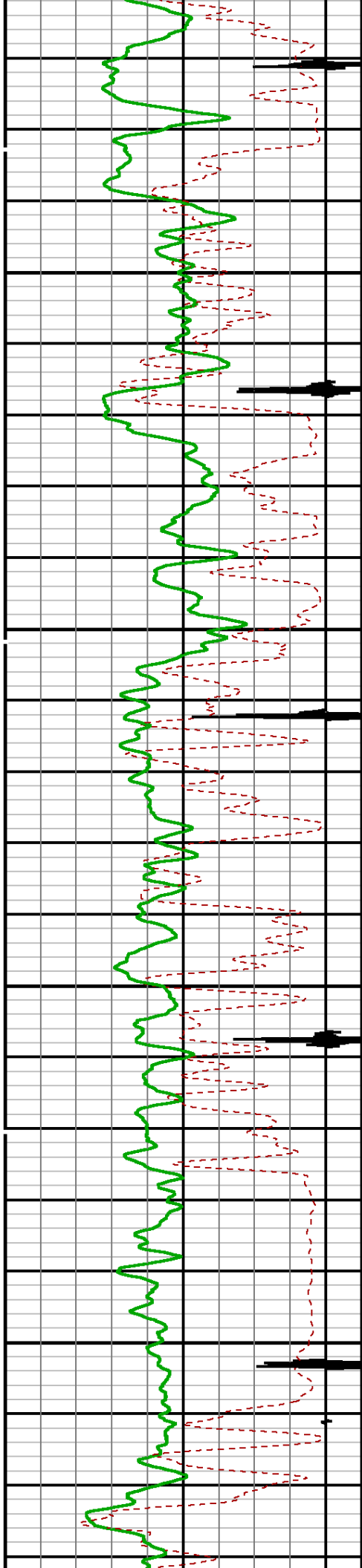






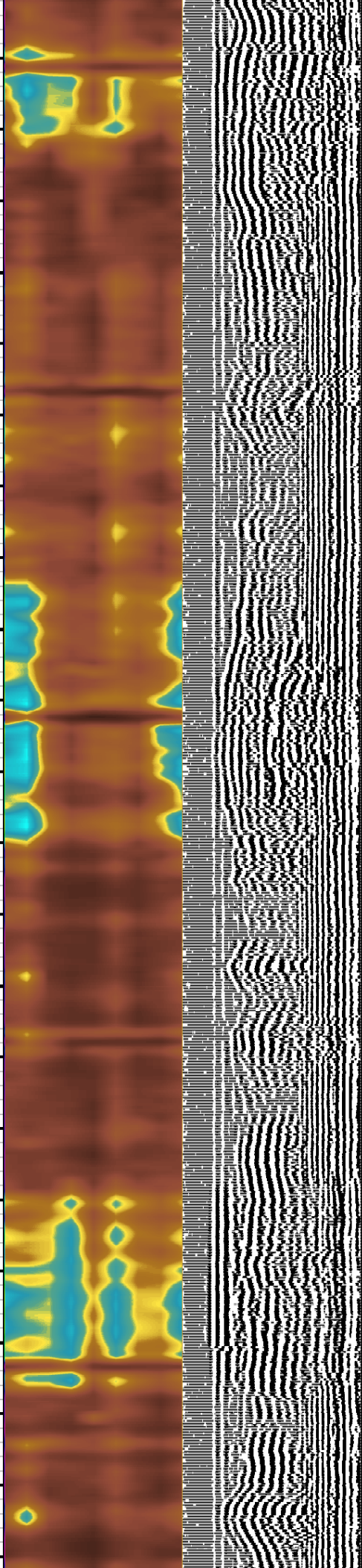
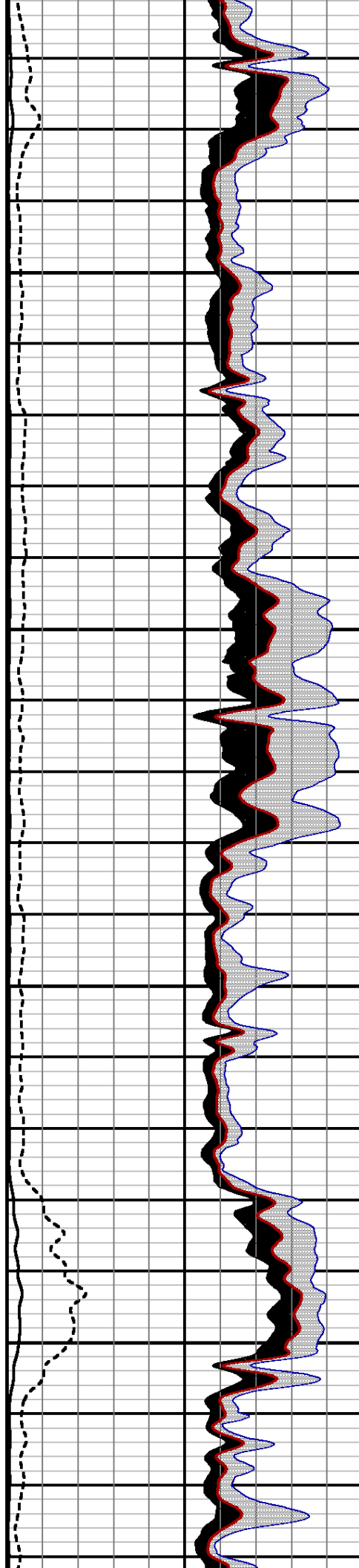


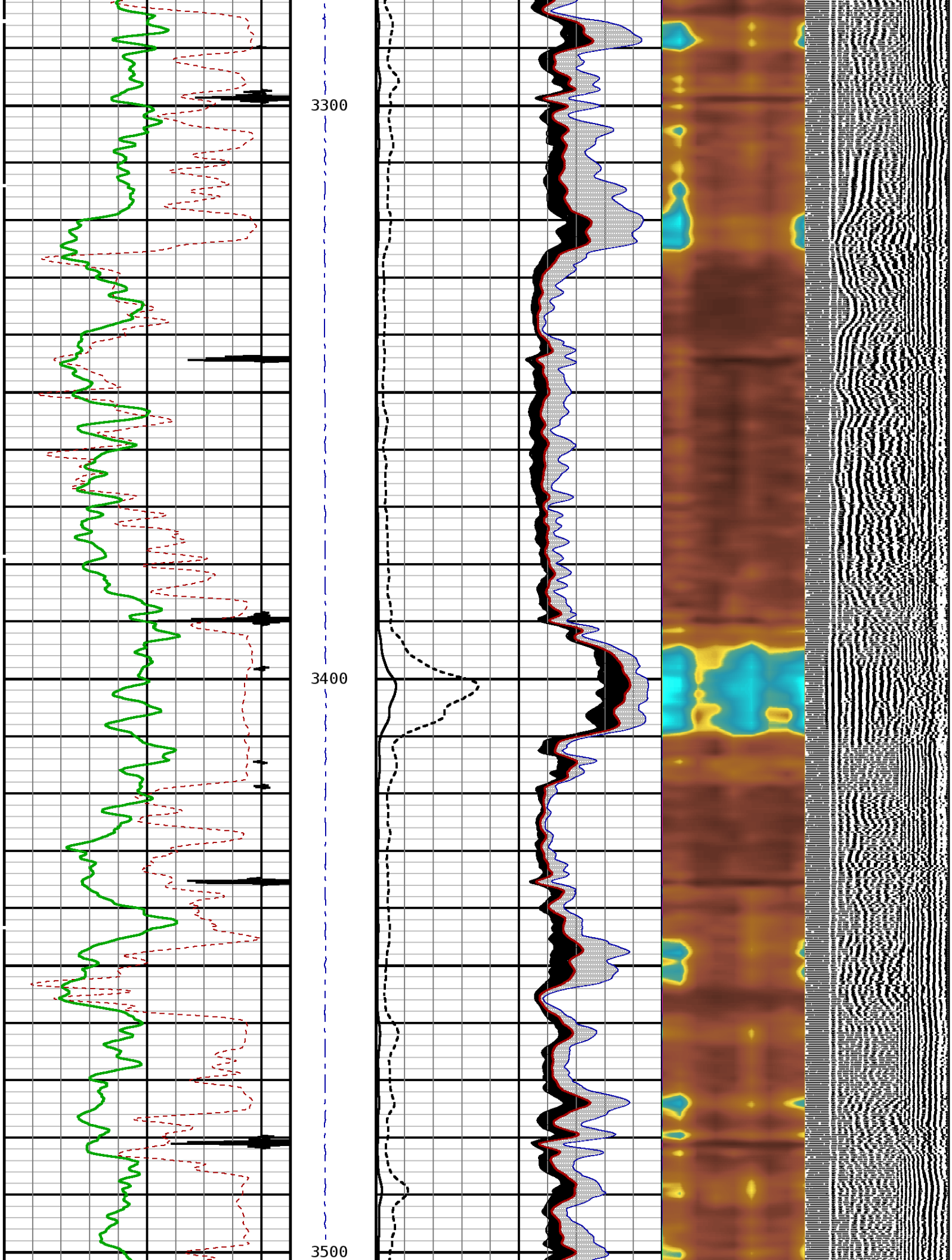


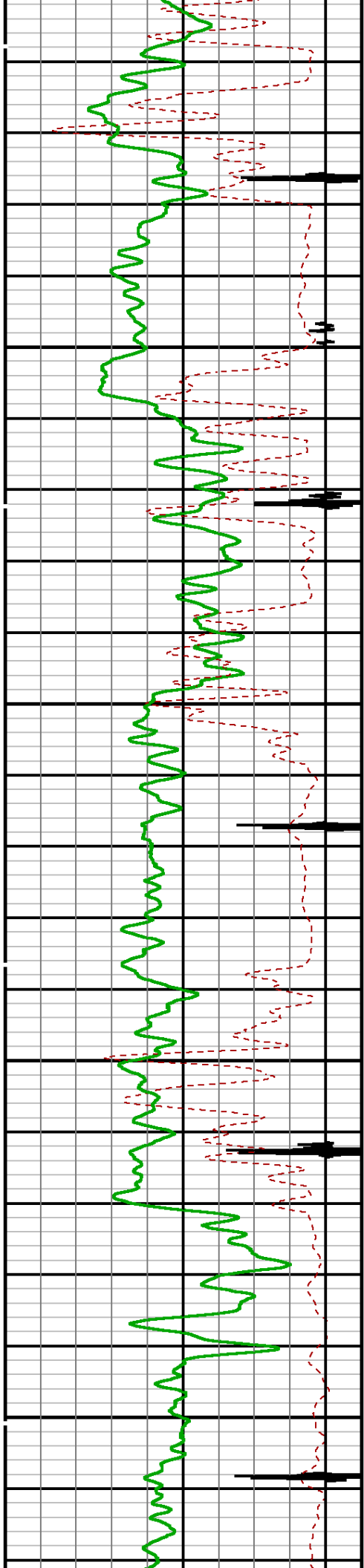


3100

3200

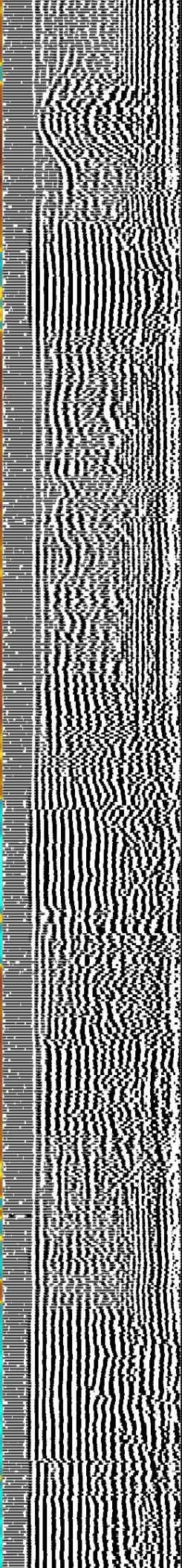
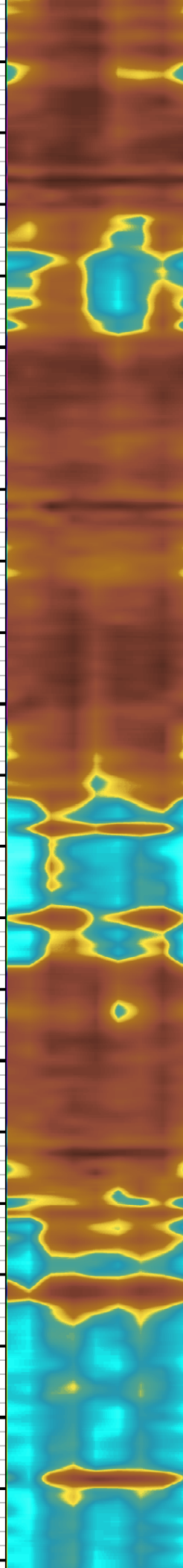
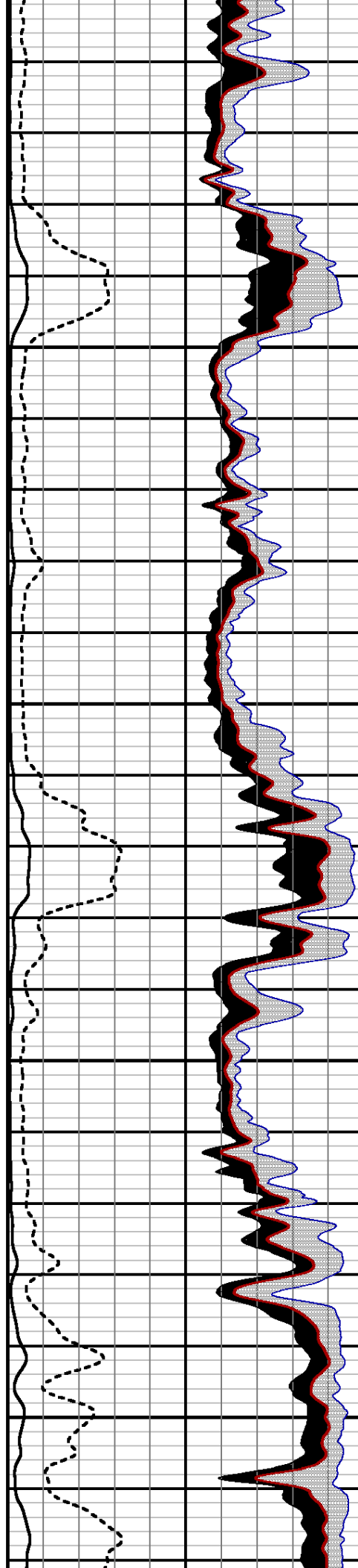


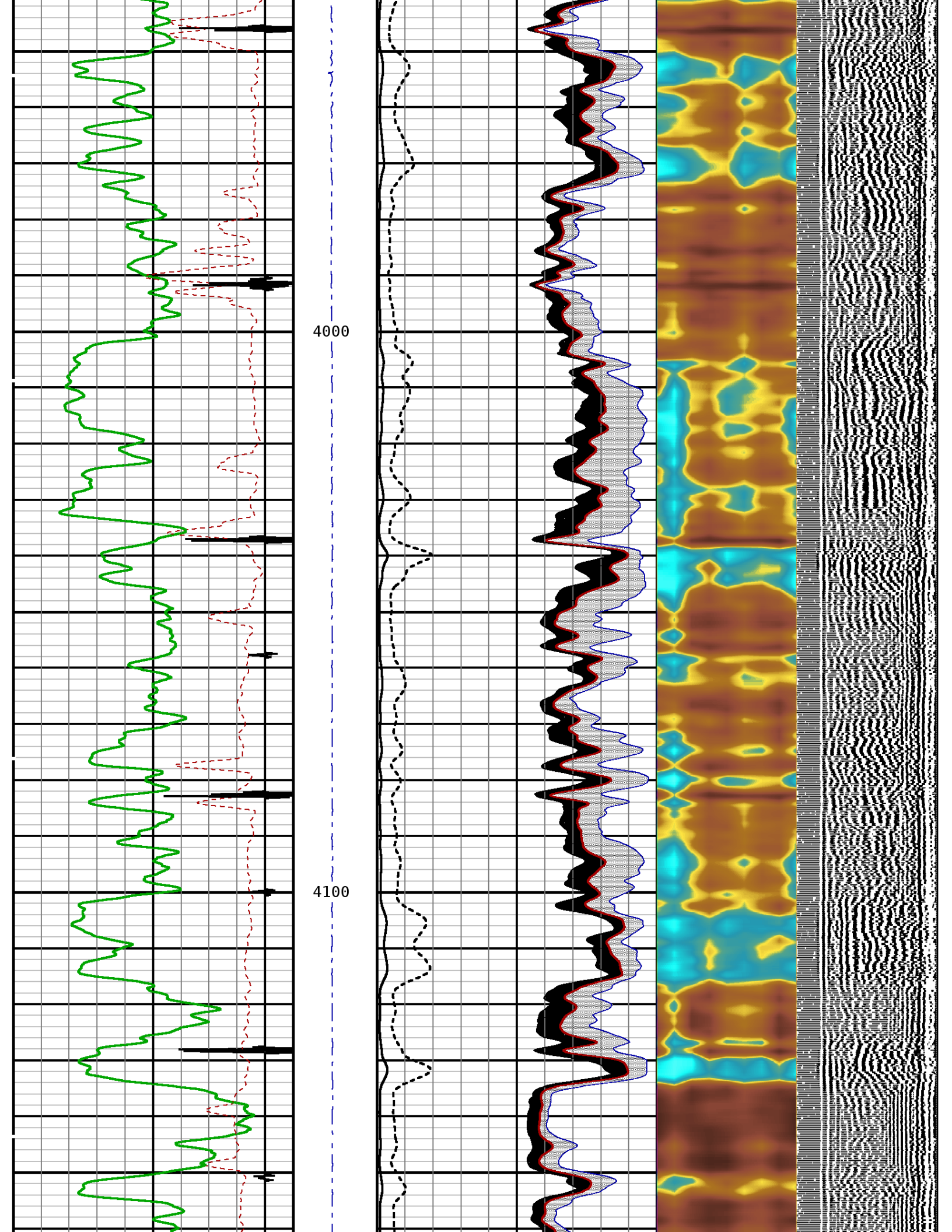


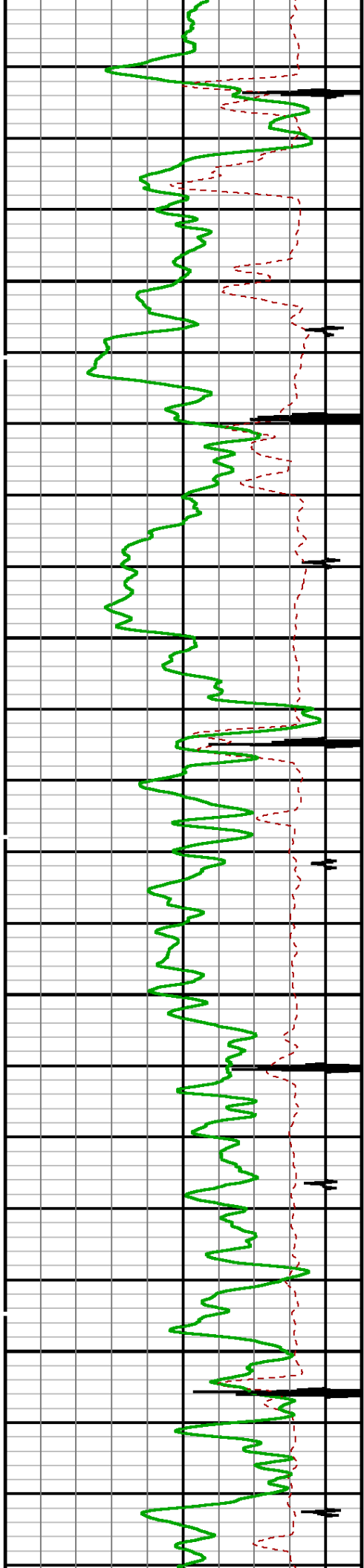


3600

3700

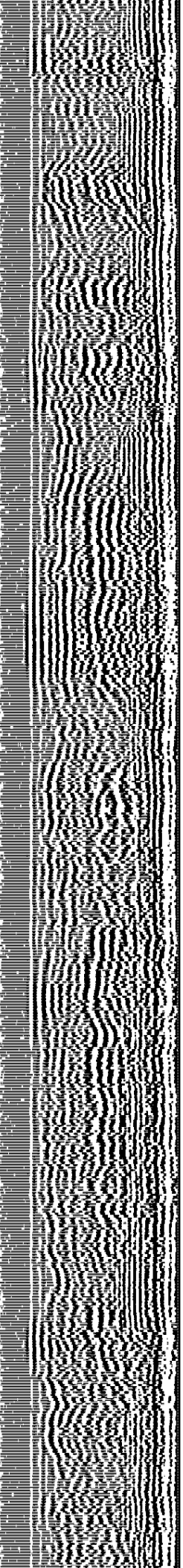
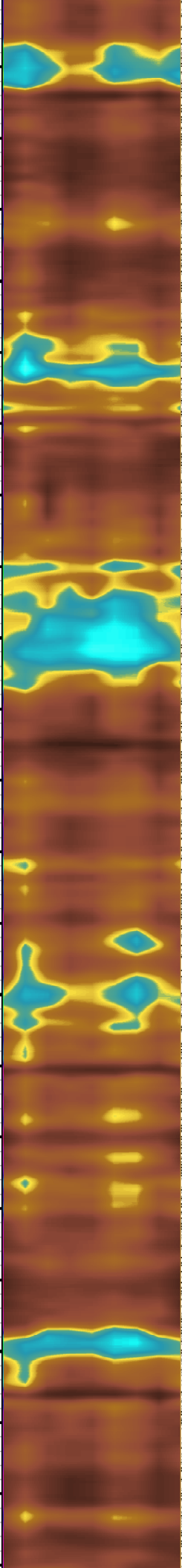
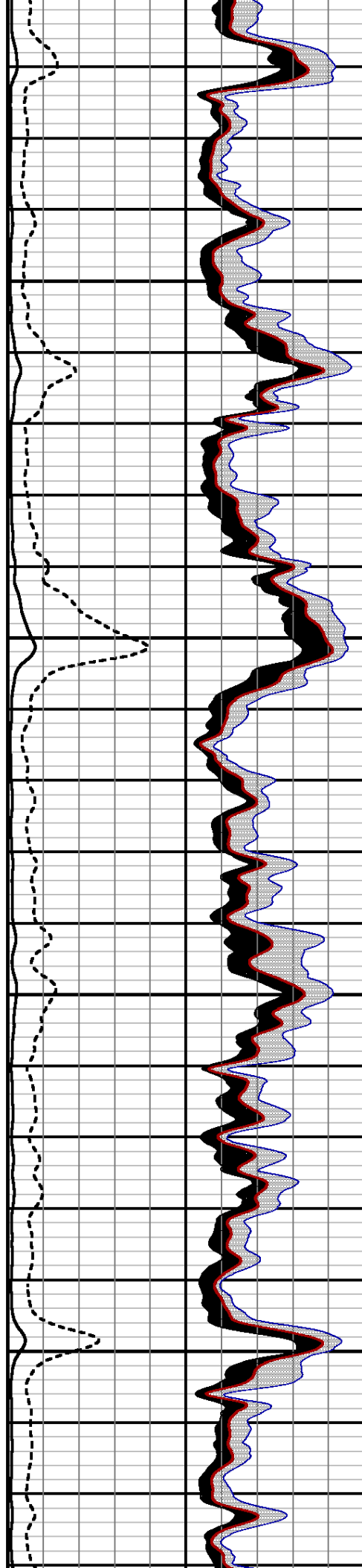


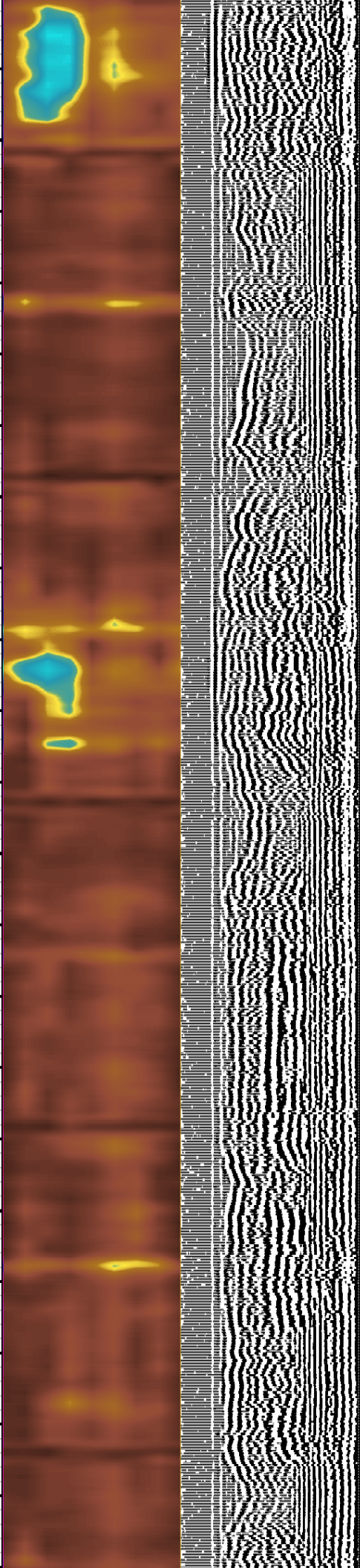
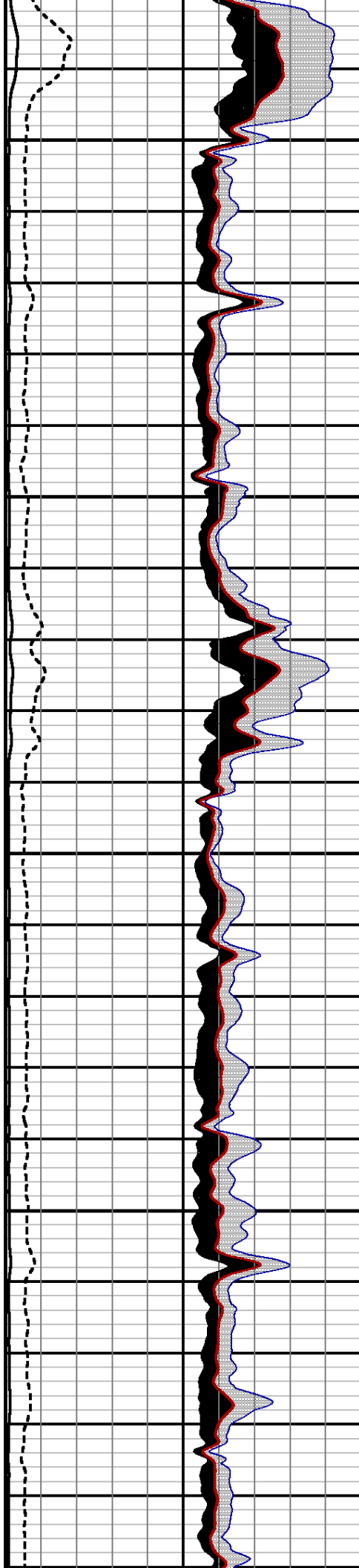
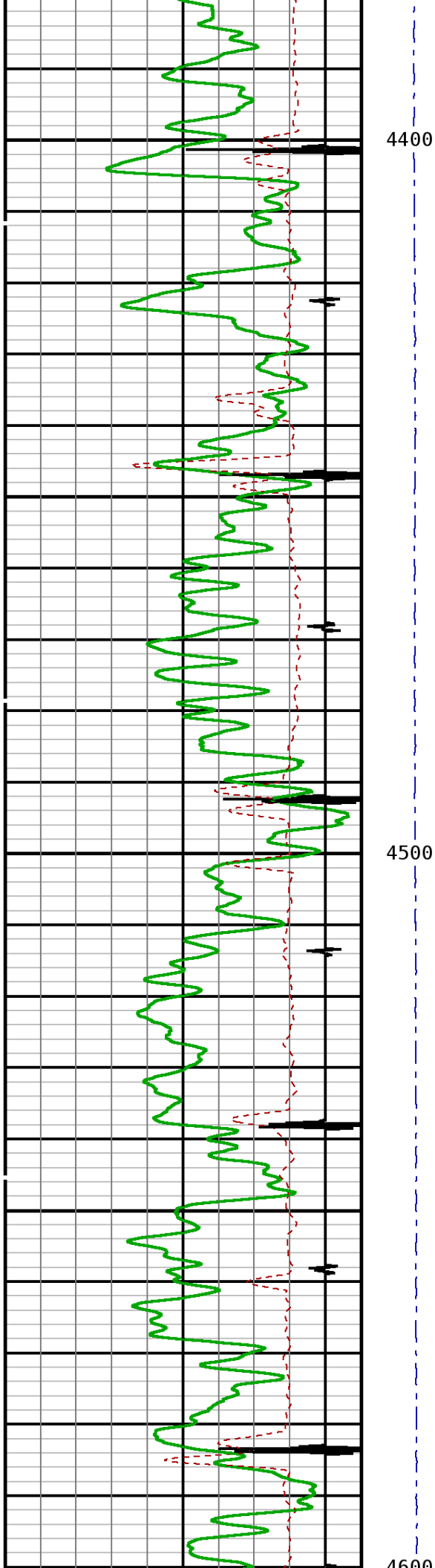


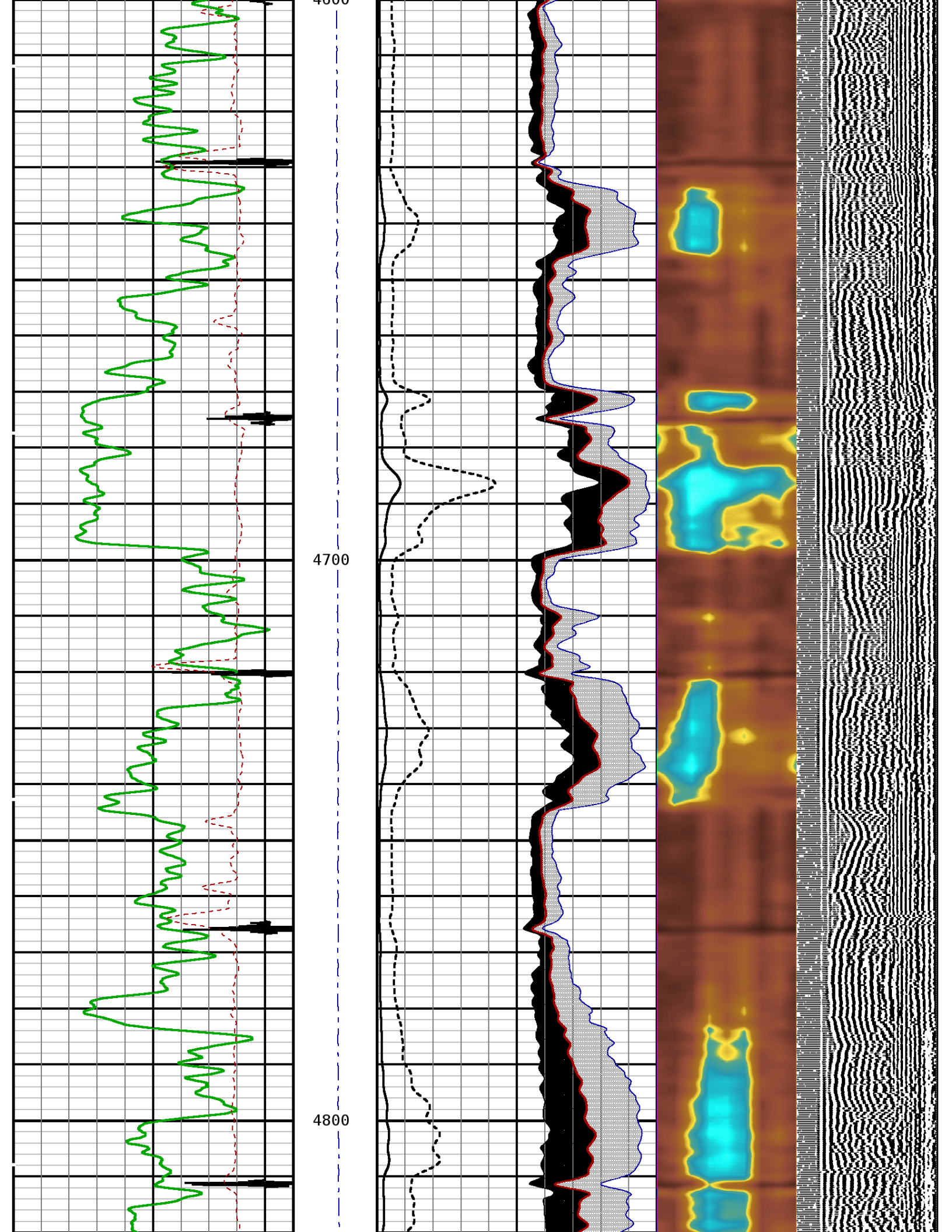


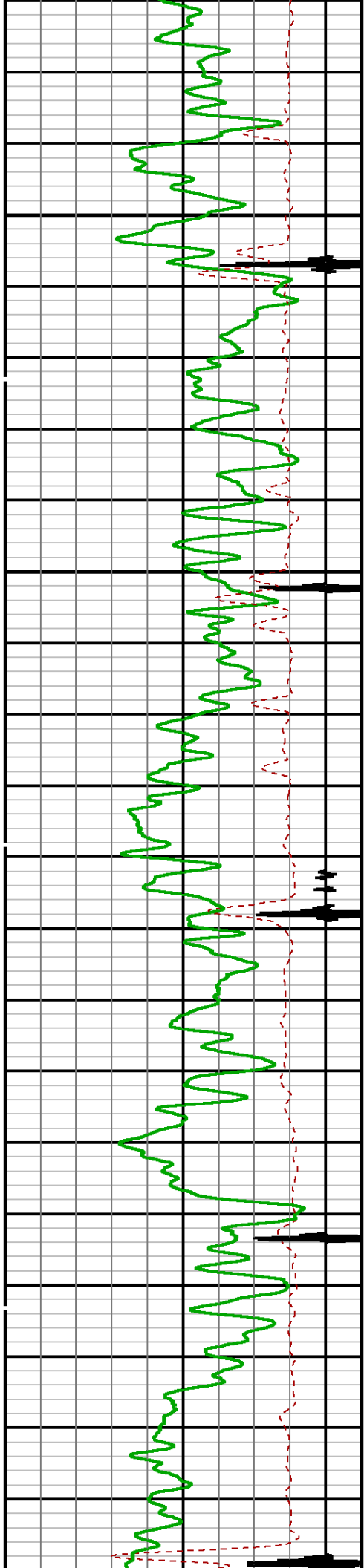
4200

4300



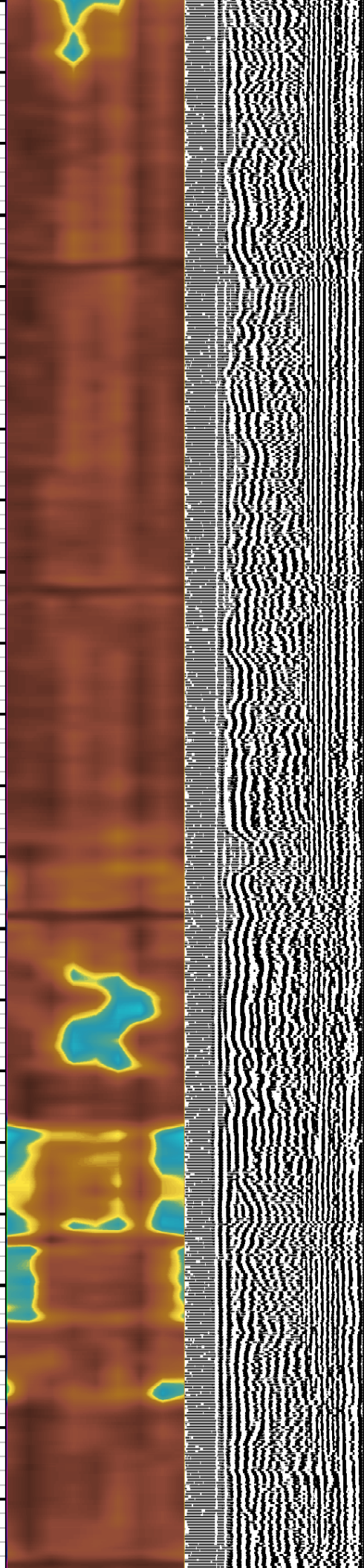
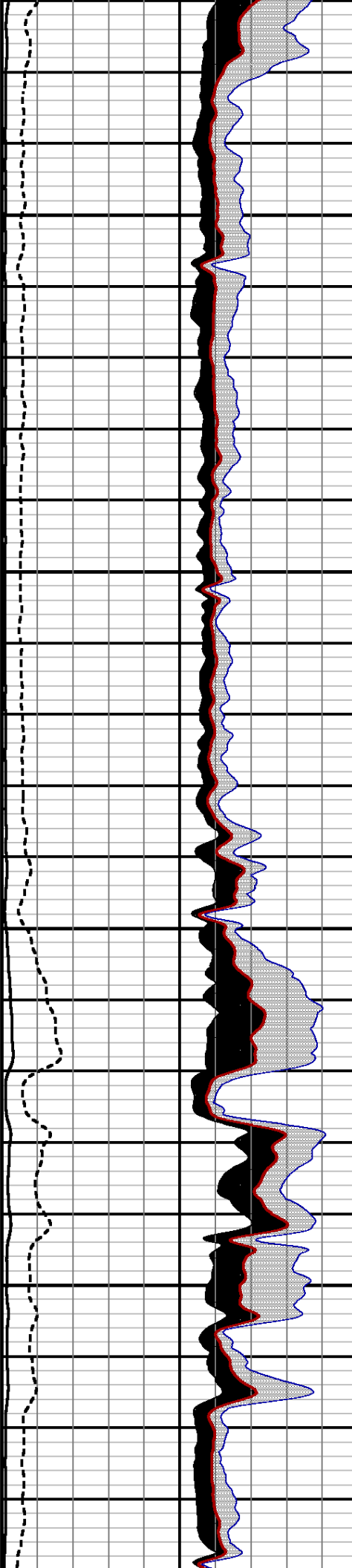


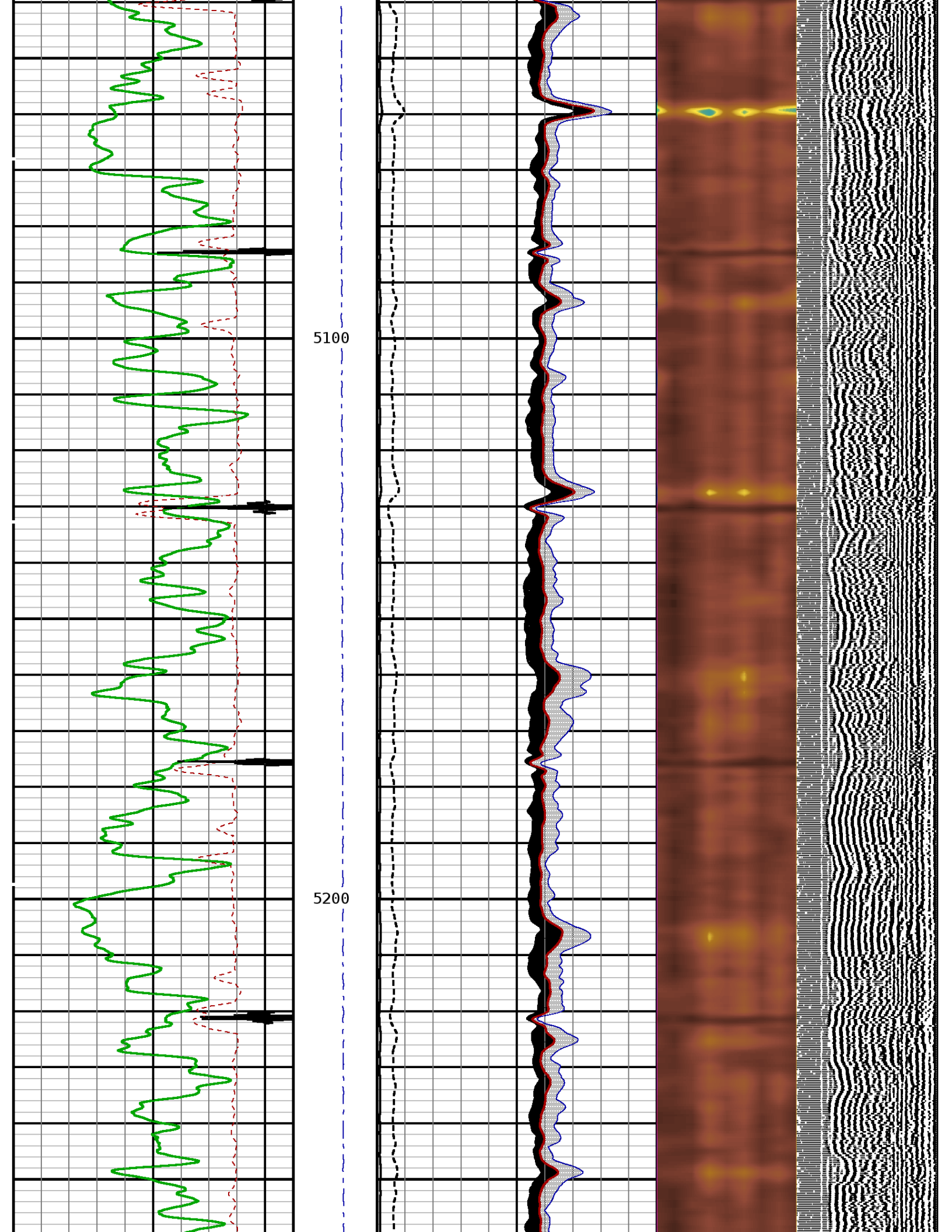


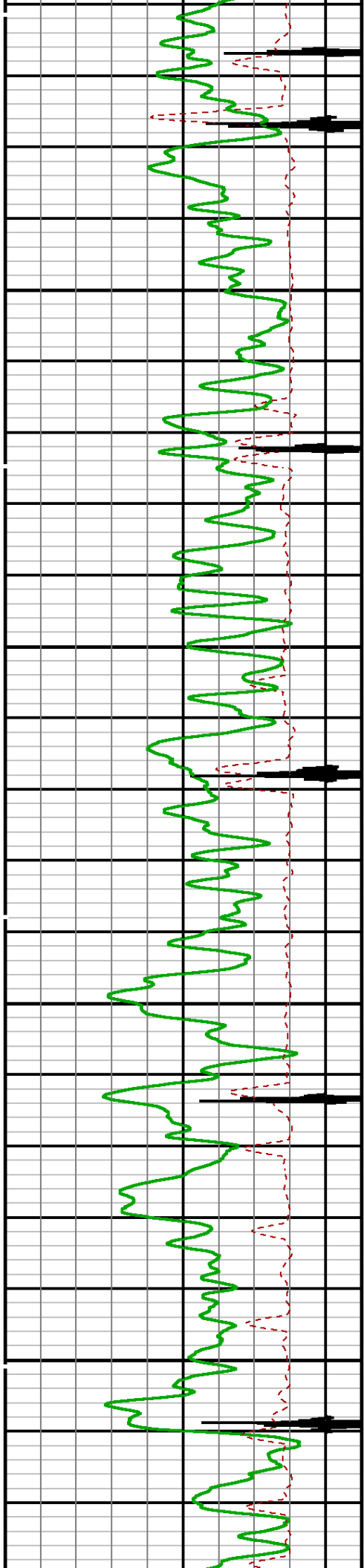


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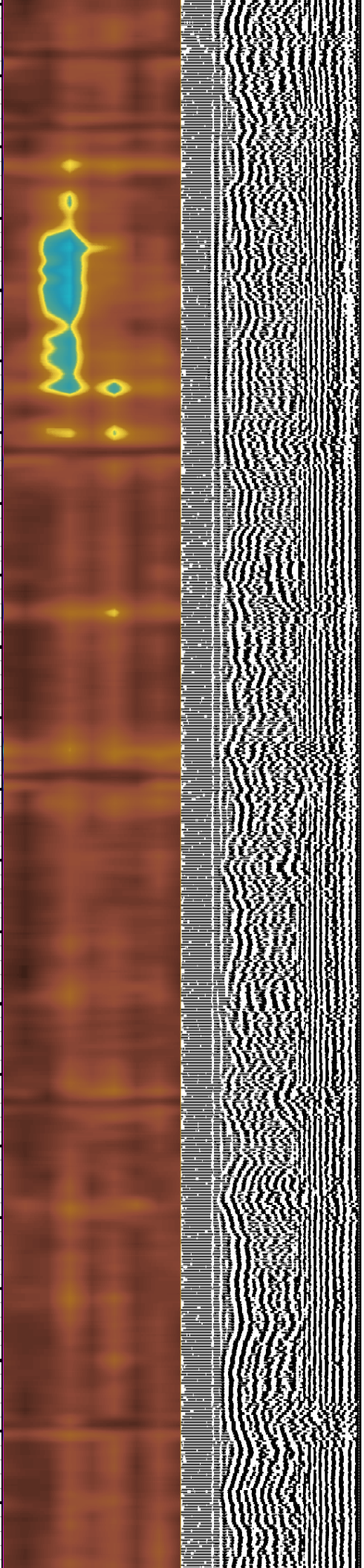
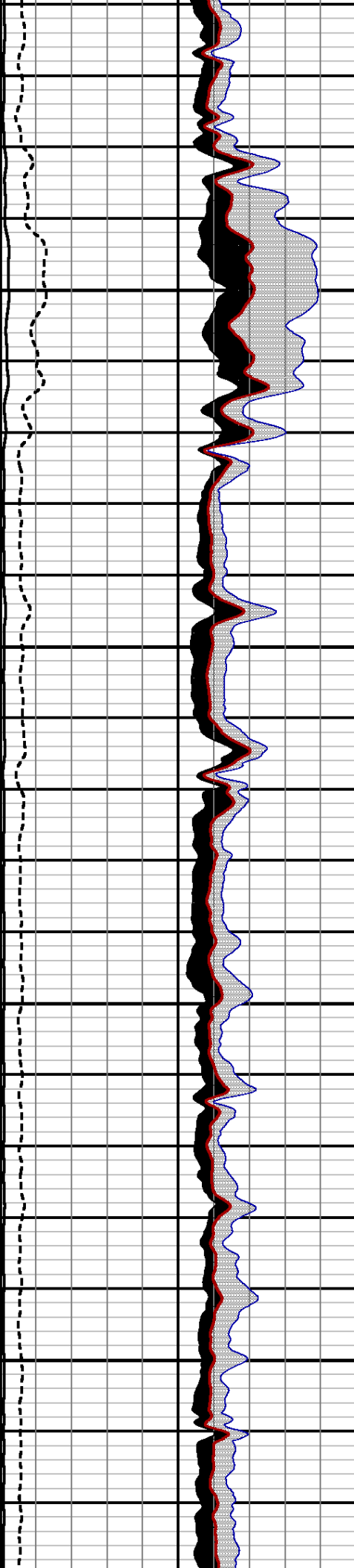


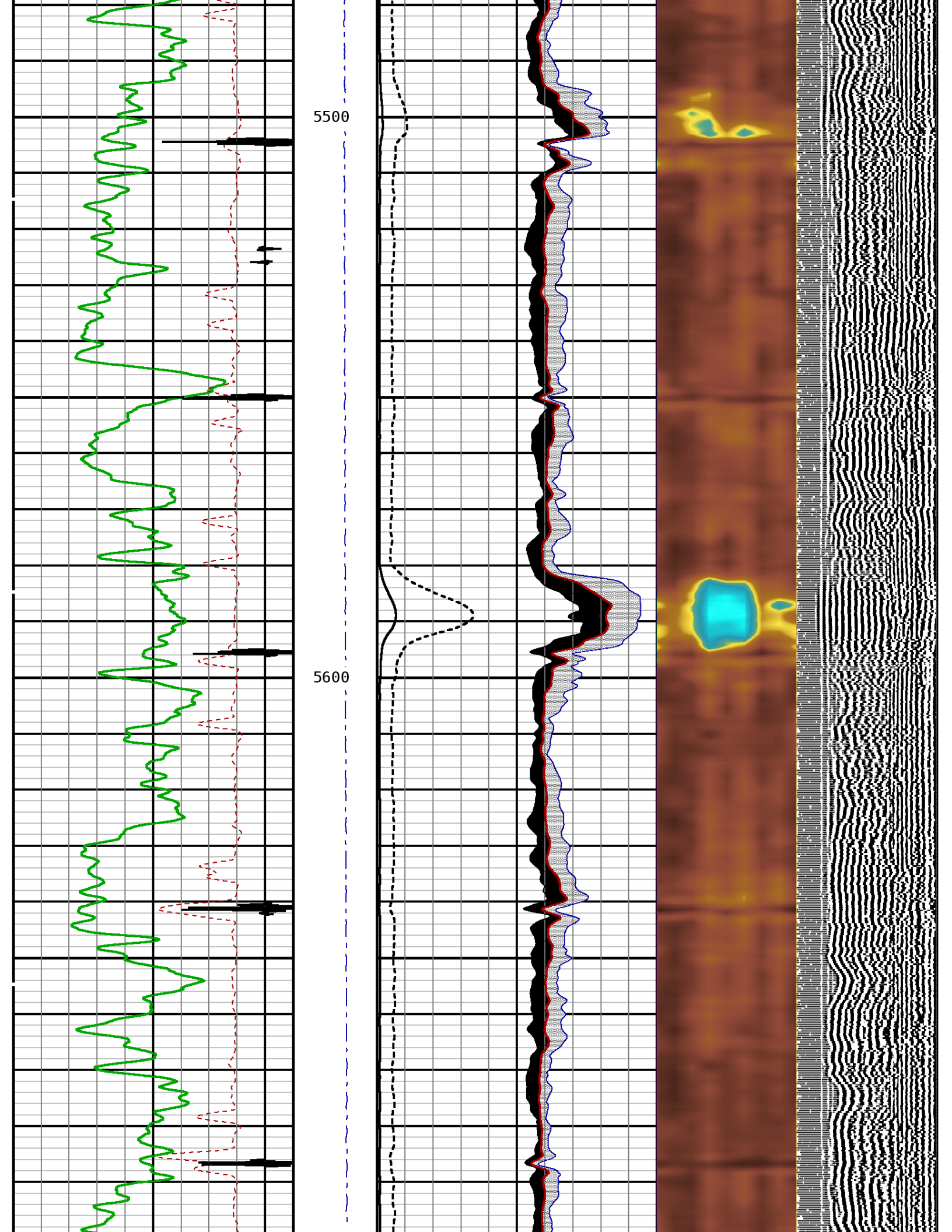


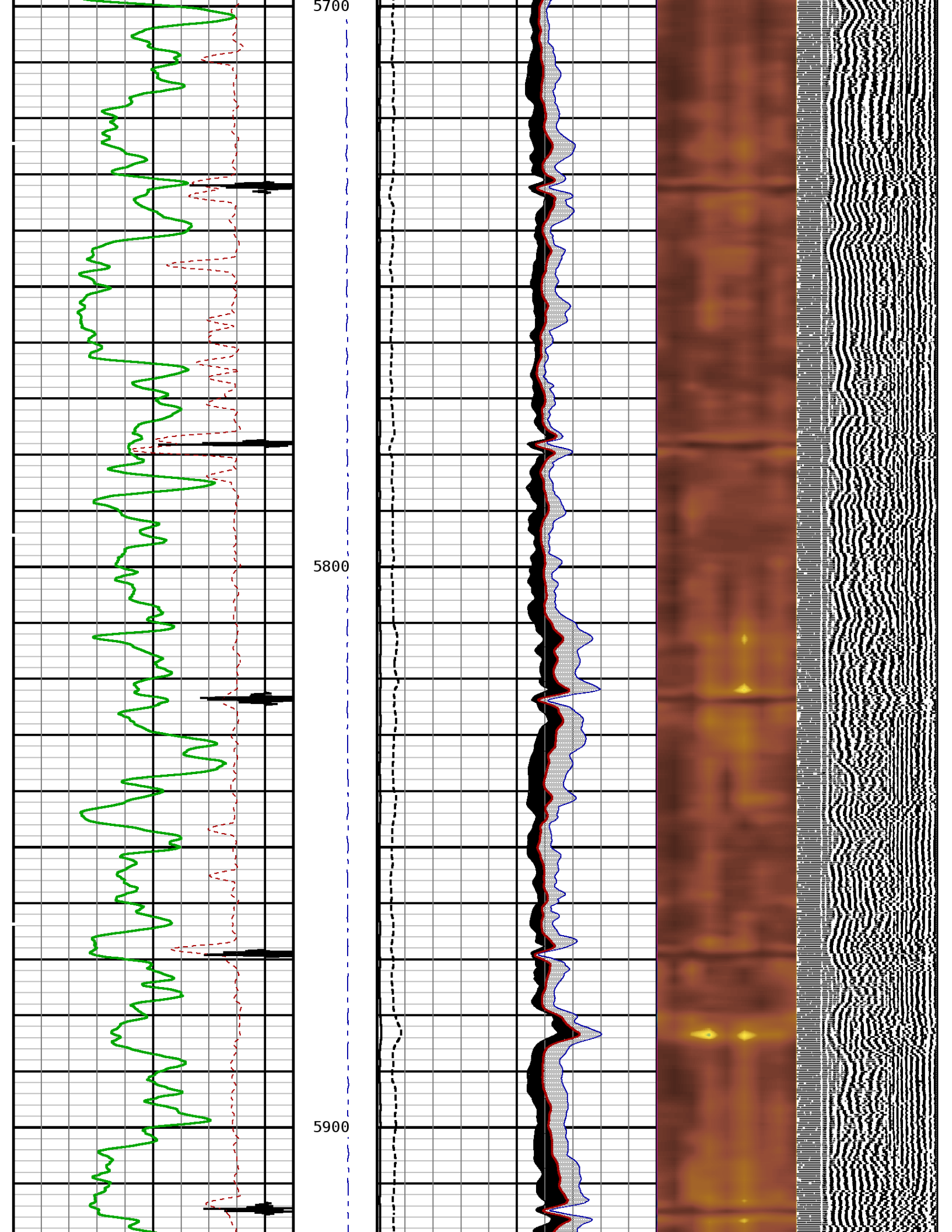


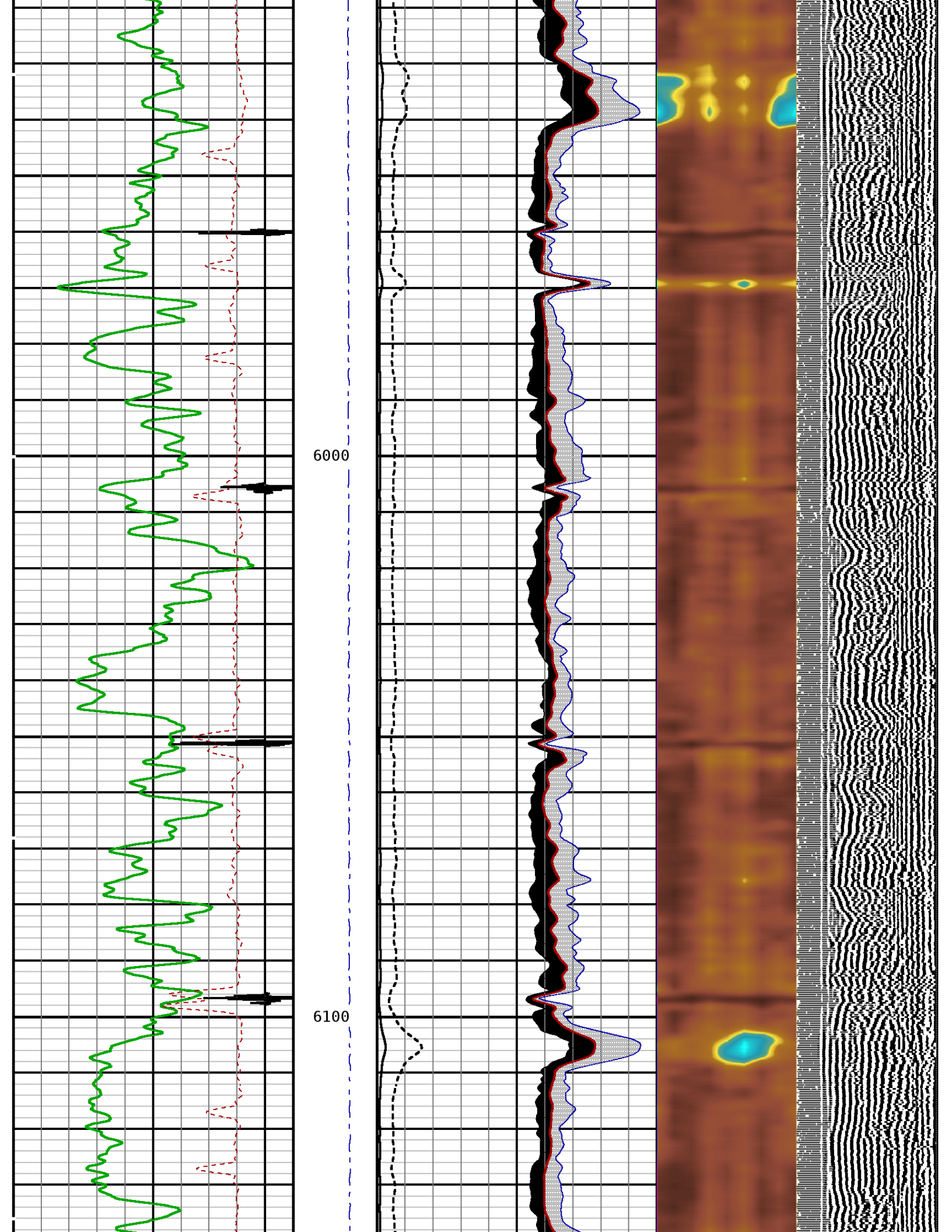
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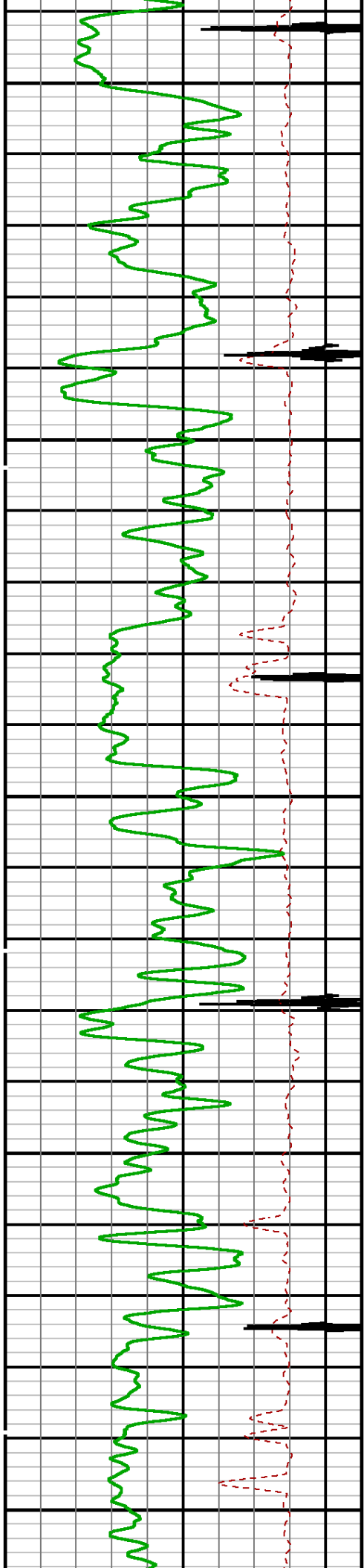
5400





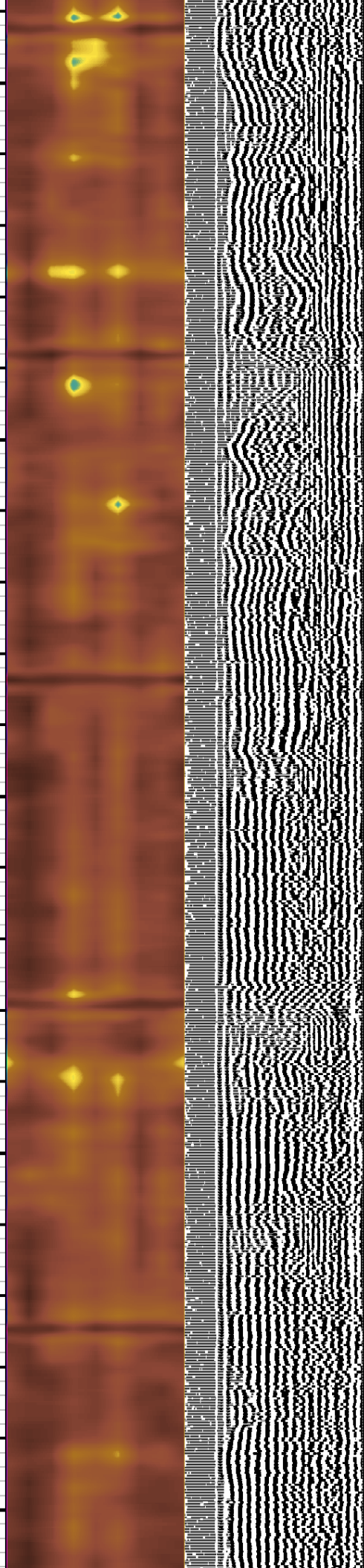
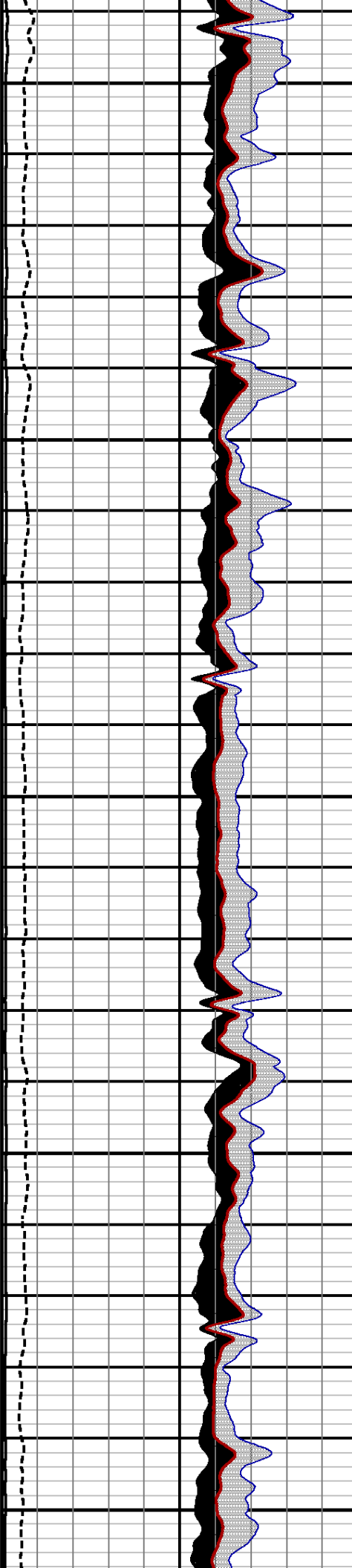


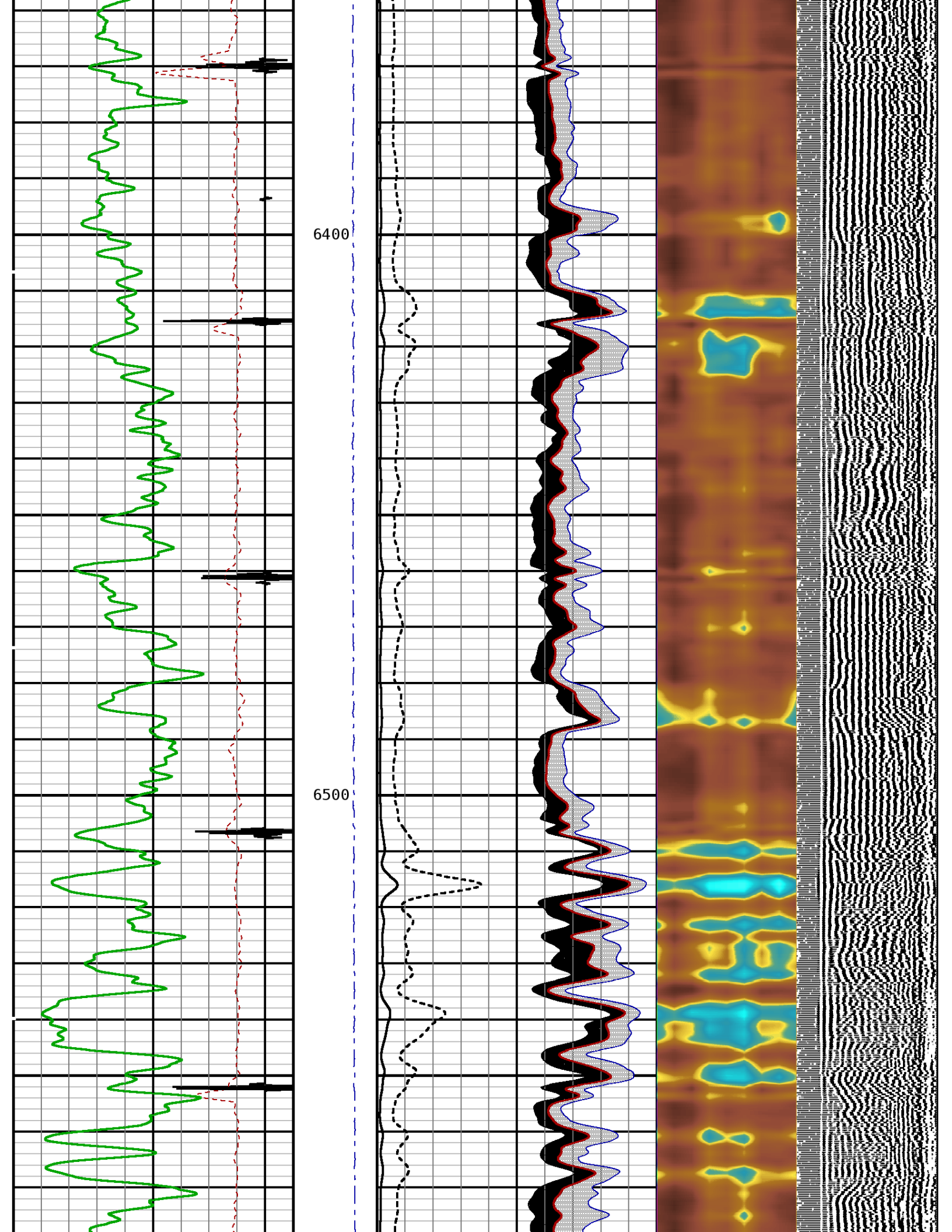


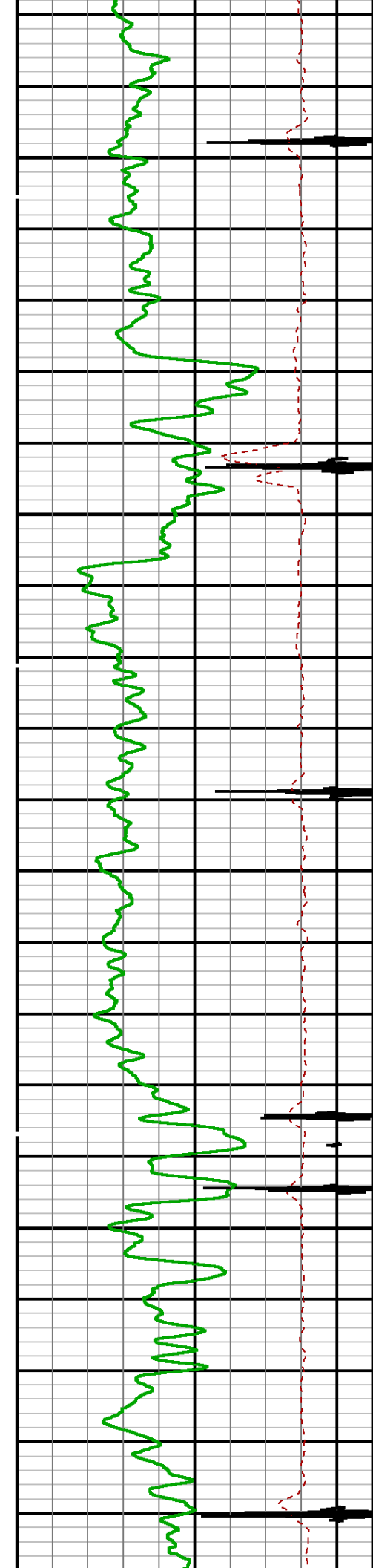


6200

6300

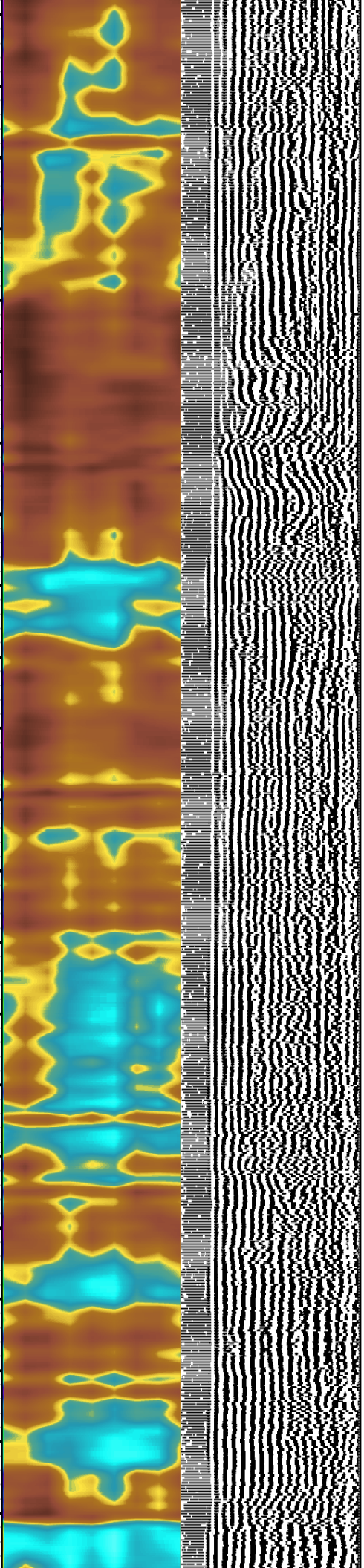
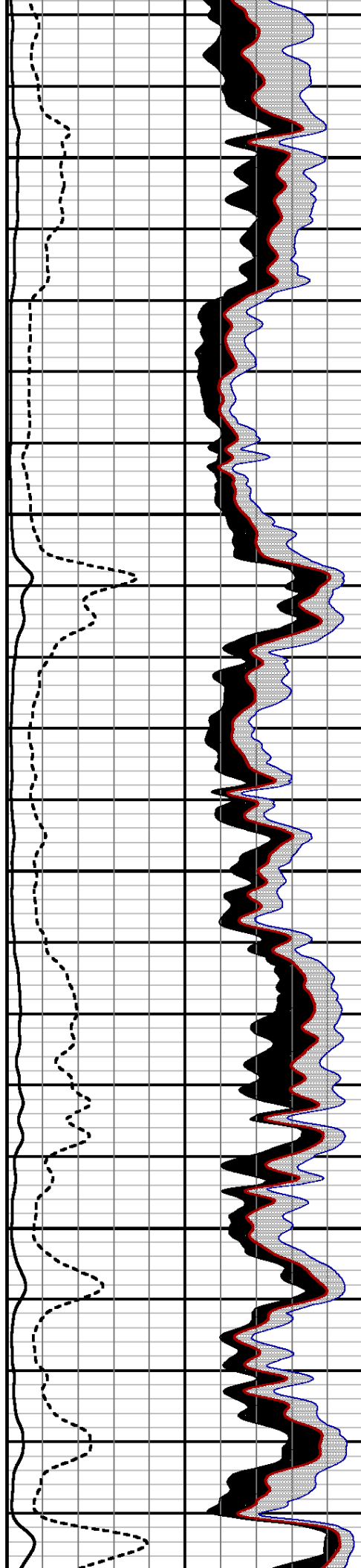


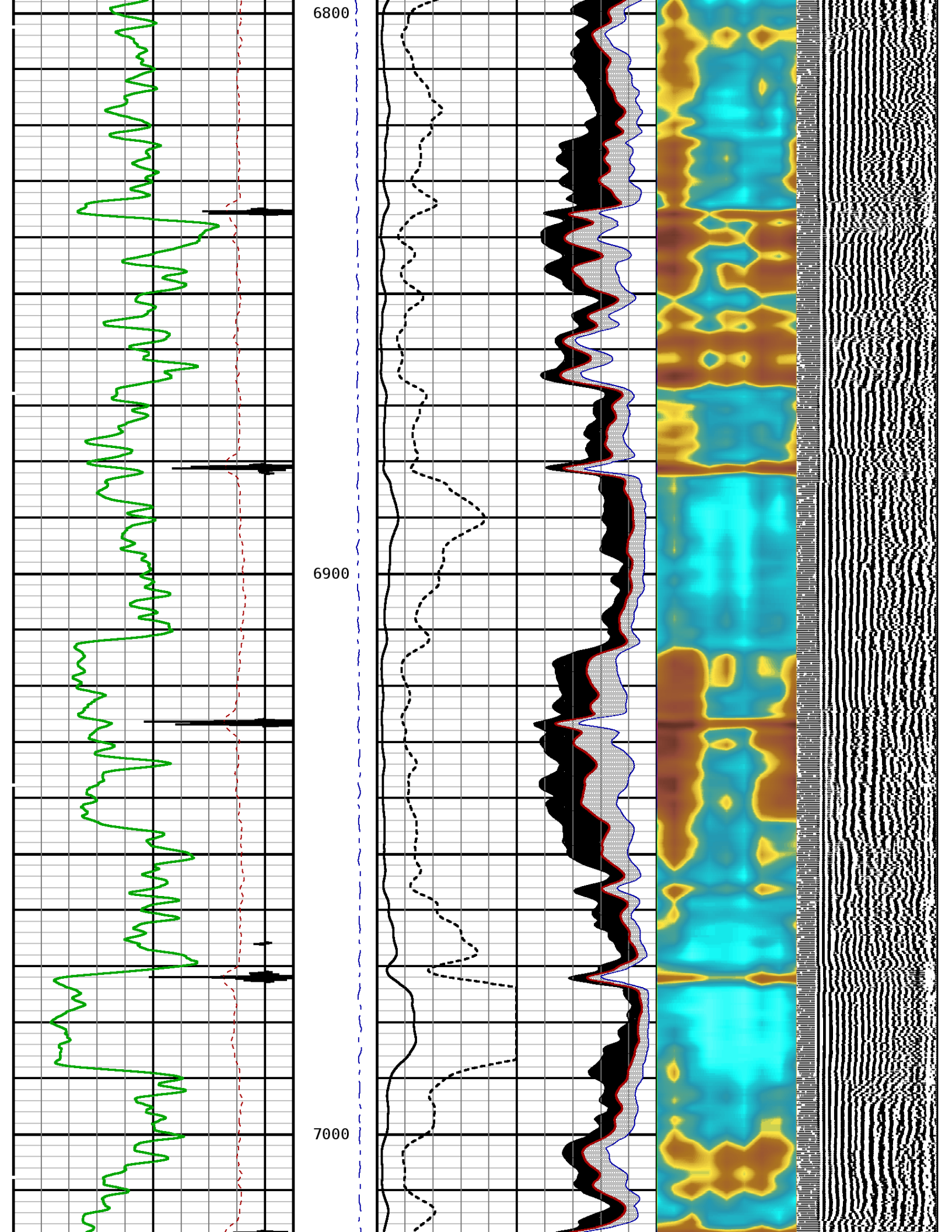


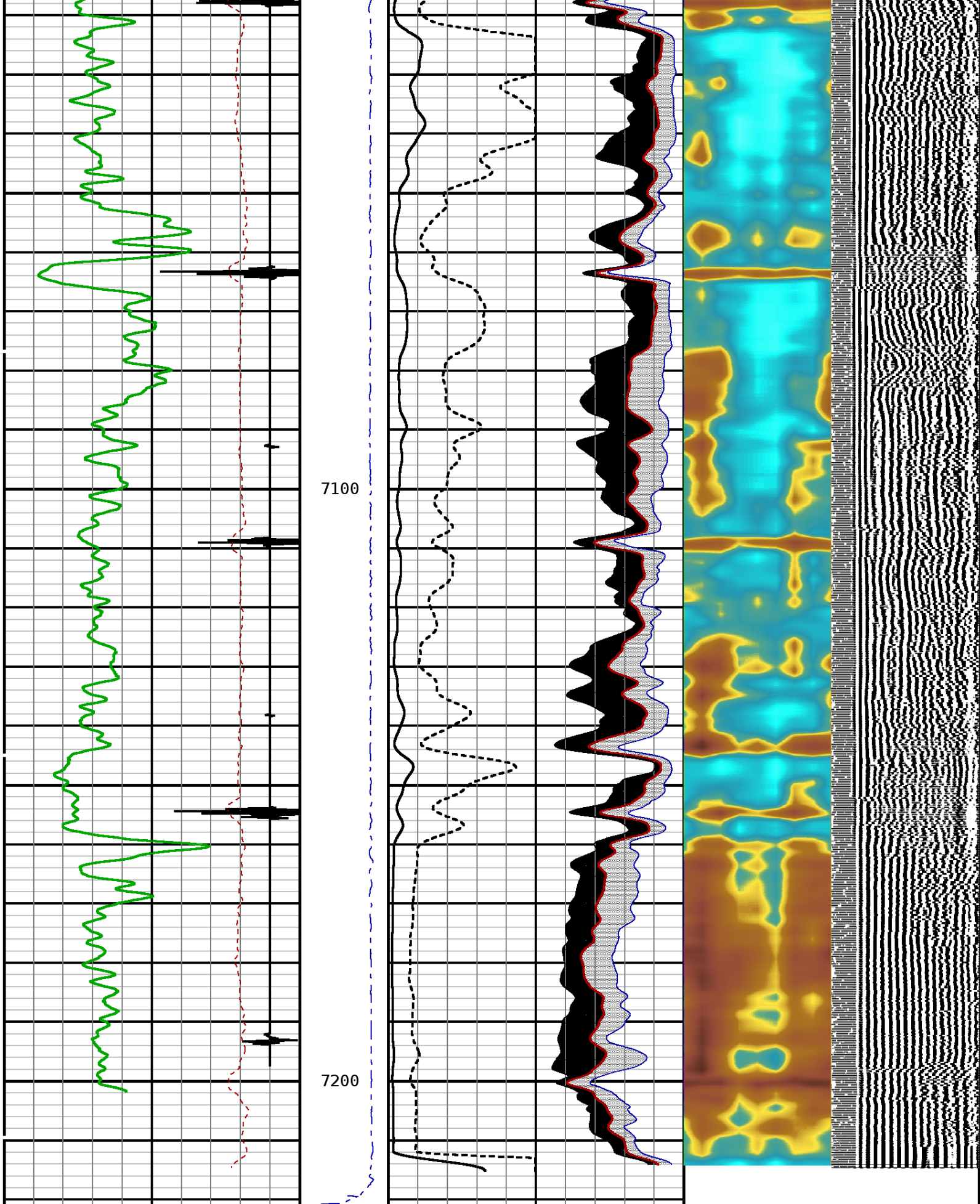


6600

6700

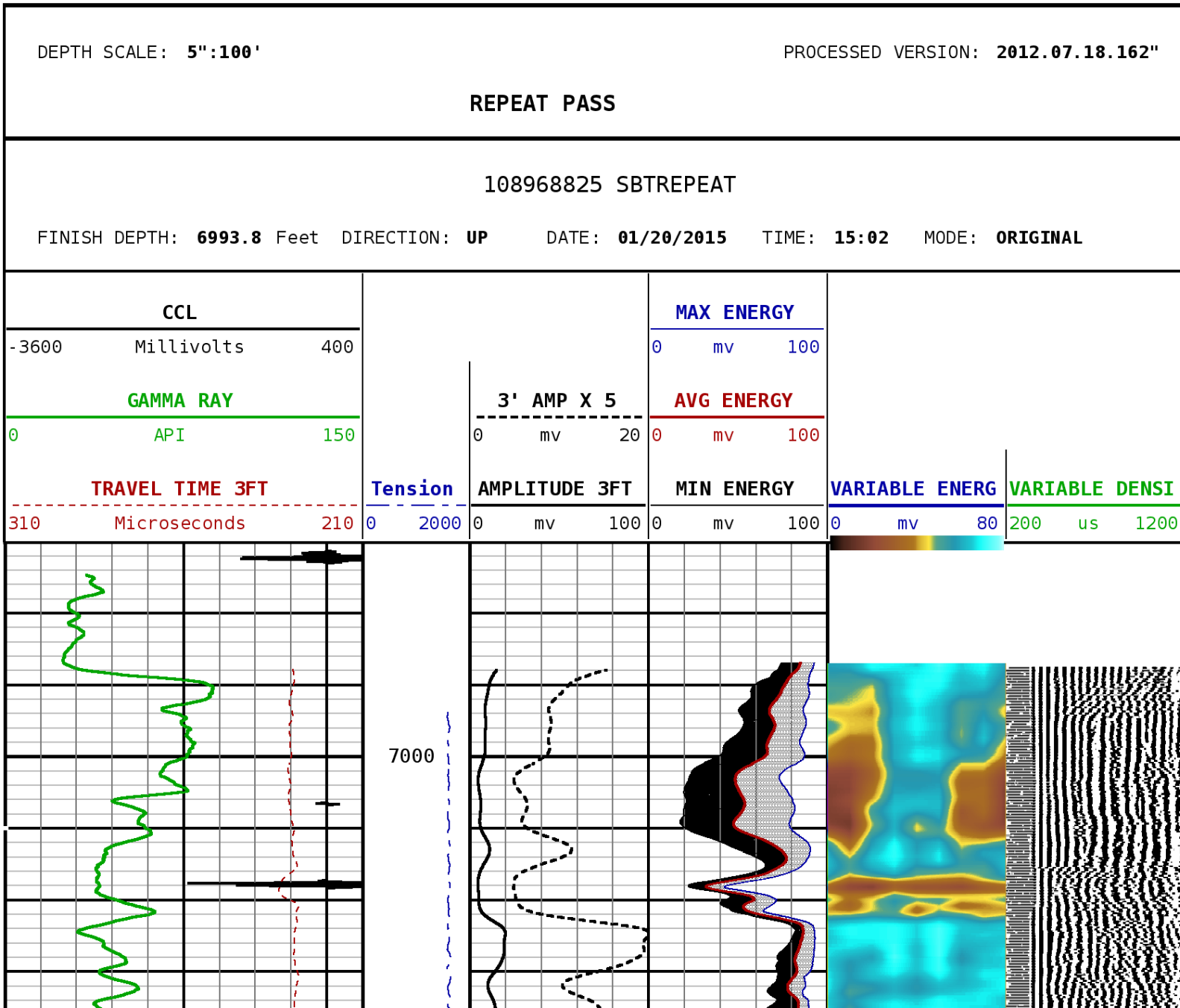


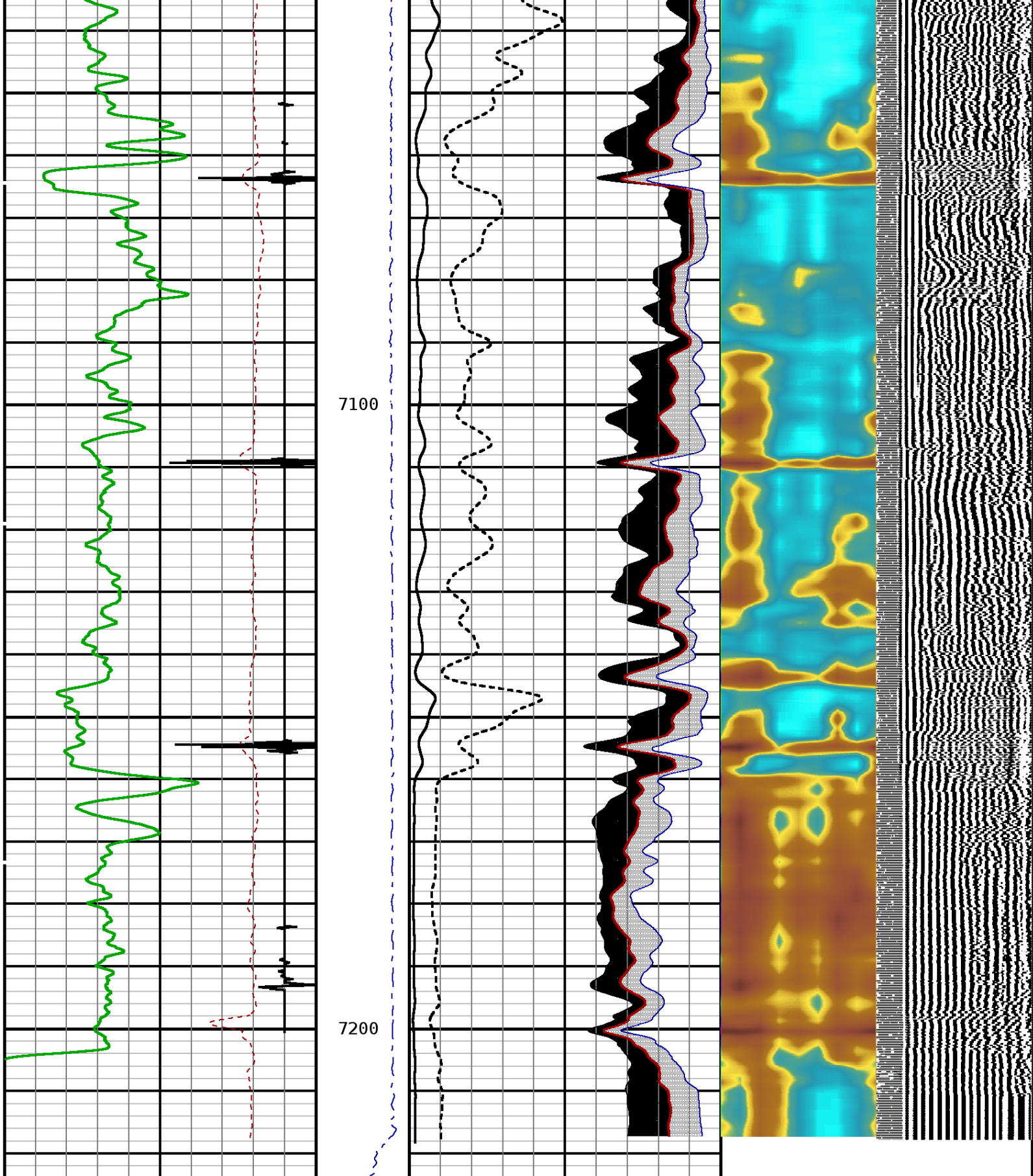




TRAVEL TIME 3FT			Tension	AMPLITUDE 3FT	MIN ENERGY	VARIABLE ENERGY	VARIABLE DENSITY
310	Microseconds	210	0 2000	0 mv 100	0 mv 100	0 mv 80	200 us 1200

<div>GAMMA RAY</div> <div>0API150</div> <div>CCL</div> <div>-3600Millivolts400</div>			<div>3' AMP X 5</div> <div>0mv20</div>		<div>AVG ENERGY</div> <div>0mv100</div> <div>MAX ENERGY</div> <div>0mv100</div>	
START DEPTH: 7221.0 DIRECTION: UP DATE: 01/20/2015 TIME: 14:54 MODE: ORIGINAL						
108968825 SBTMAIN						
MAIN PASS						
DEPTH SCALE: 5":100'				LOGGED VERSION: 2012.07.18.162"		





TRAVEL TIME 3FT		Tension	AMPLITUDE 3FT	MIN ENERGY	VARIABLE ENERGY	VARIABLE DENSITY
310	Microseconds	0	0	0	0	200
210		2000	100	100	80	1200
GAMMA RAY			3' AMP X 5	AVG ENERGY		
0	API		0	0		
150			20	100		
CCI				MAX ENERGY		

CCL

-3600

Millivolts

400

MAX ENERGY

0

mv

100

START DEPTH: 7224.1 DIRECTION: UP DATE: 01/20/2015 TIME: 15:02 MODE: ORIGINAL

108968825 SBTREPEAT

REPEAT PASS

DEPTH SCALE: 5":100'

LOGGED VERSION: 2012.07.18.162"

1 7/16 Adapter Head

Weight 2.2 LB.
Length 2.54
Max. Diameter

Total Stack Weight in air
Total Stack Length 27.83 FT.

Slim Hole Centralizer

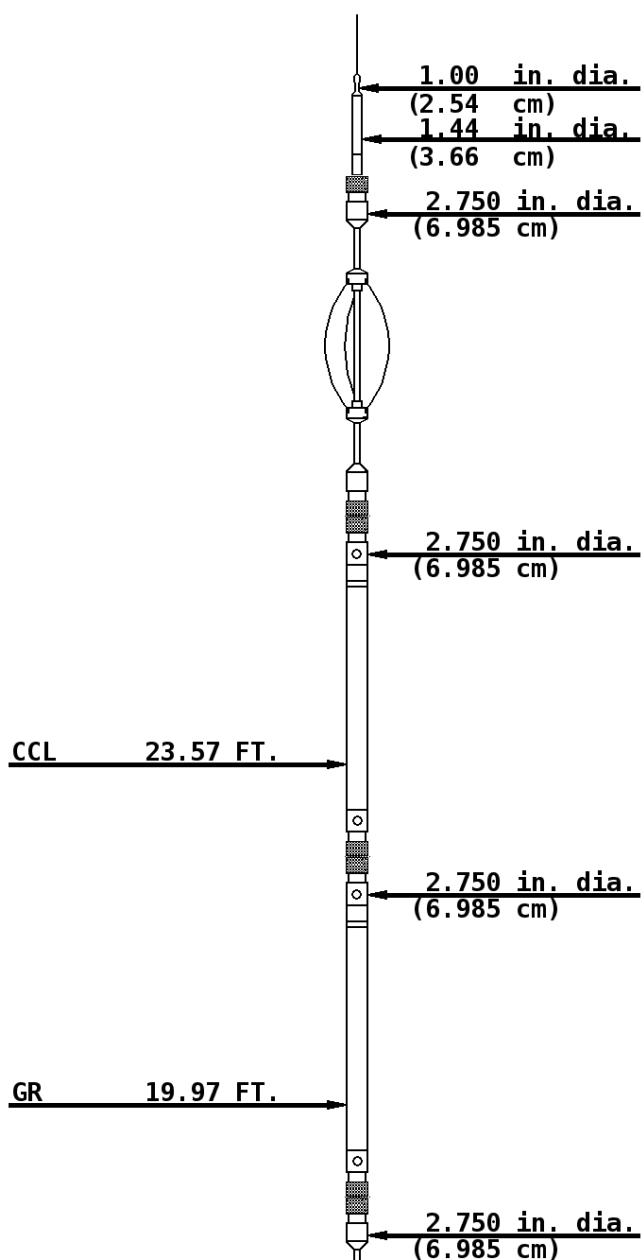
Weight 15 lbs
Length 2.49 FT.
Max. Diameter 2.750 IN.

Collar Locator

Weight 39.8 LBS.
Length 3.40 FT.
Max. Diameter 2.75 IN.

Slim Hole Gamma Ray

Weight 39.8 LBS.
Length 4.71 FT.
Max. Diameter 2.750 IN.



Slim Hole Centralizer

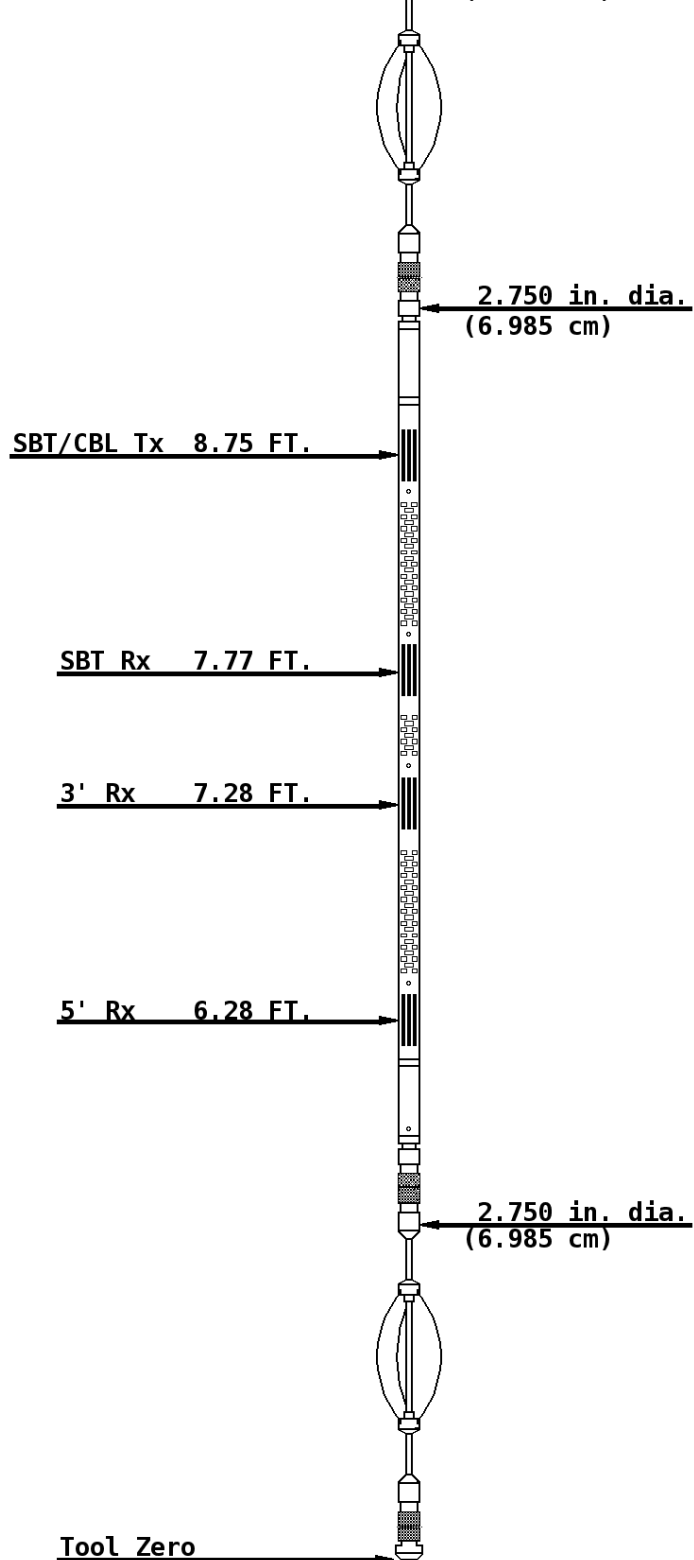
Weight 22 LBS.
Length 3.08 FT.
Max. Diameter 2.750 IN.

Sector Bond

Weight 89.2 LBS.
Length 10.32 FT.
Max. Diameter 2.750 IN.

Slim Hole Centralizer

Weight 15.0 LBS.
Length 2.82 FT.
Max. Diameter 2.750 IN.



COMPANY URSA OPERATING COMPANY

WELL VALLEY FARMS 44C-11-06-92

FIELD GRAVEL TREAD

COUNTY GARFIELD

STATE COLORADO



Weatherford®

