



SECTOR BOND
GAMMA RAY / CCL LOG

COMPANY URSA OPERATING COMPANY		
WELL	BAT 34C-24-07-96	
FIELD	BATTLEMENT MESA	
COUNTY	GARFIELD	
LOCATION:		
SHL: 1816'	FSL & 2073'	FWL
BHL: 0743'	FSL & 1954'	FEL
SEC 24	TWP 7S	RGE96W

OTHER SERVICES:
GR/JB
PND

PERM. DATUM GROUND LEVEL	ELEV. 5182.5'
LOG MEASURED FROM K.B. 17 FT. ABOVE PERMANENT DATUM	
DRILLING MEASURED FROM K.B.	

ELEV.:K.B.	5199.5
D.F.	5199.5
G.L.	5182.5

DATE	08-MAR-2015
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RUN NO.

DEPTH DRILLER

DEPTH LOGGER

BIM. LOG INIER

10P LOG INTERVIEW

OPEN HOLE SIZE

THE I EOLD
DENS | VTSC

DEMO:	VIDEO
MAX REC	TEMP

EST. CEMENT TO

TIME WELL READY

TIME LOGGER ON

EQUIP. NO.

LOCATION

RECORDED BY

WITNESSED BY

BOOK _____

NON NO.	D.

[illegible][illegible][illegible]

CASING RECORD

SURFACE STRING

PROT. STRING

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.

REMARKS	Rig: WFT CRANE #14045	Service Order # 113040938
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LOG WAS CORRALATED TO WEATHERFORD PULSED NEUTRON DECAY LOG BHT 179 °F

ALL LOGGED INTERVALS PER CUSTOMER REQUEST

Prints: 2

THANK YOU FOR CHOOSING WEATHERFORD WIRELINE SERVICES

EQUIPMENT DATA

[illegible]

DEPTH SCALE: 5":100'

PROCESSED VERSION: 2012.07.18.162"

MAIN PASS

113040938 SBTMAIN

FINISH DEPTH: 39.2 Feet DIRECTION: UP DATE: 03/08/2015 TIME: 18:10 MODE: ORIGINAL

CCL

-3600 Millivolts 400

GAMMA RAY

0 API 150

TRAVEL TIME 3FT

312 Microseconds 212

MAX ENERGY

0 mv 100

AVG ENERGY

0 mv 100

Tension

3' AMP X 5

0 mv 20

AMPLITUDE 3FT

0 mv 100

MIN ENERGY

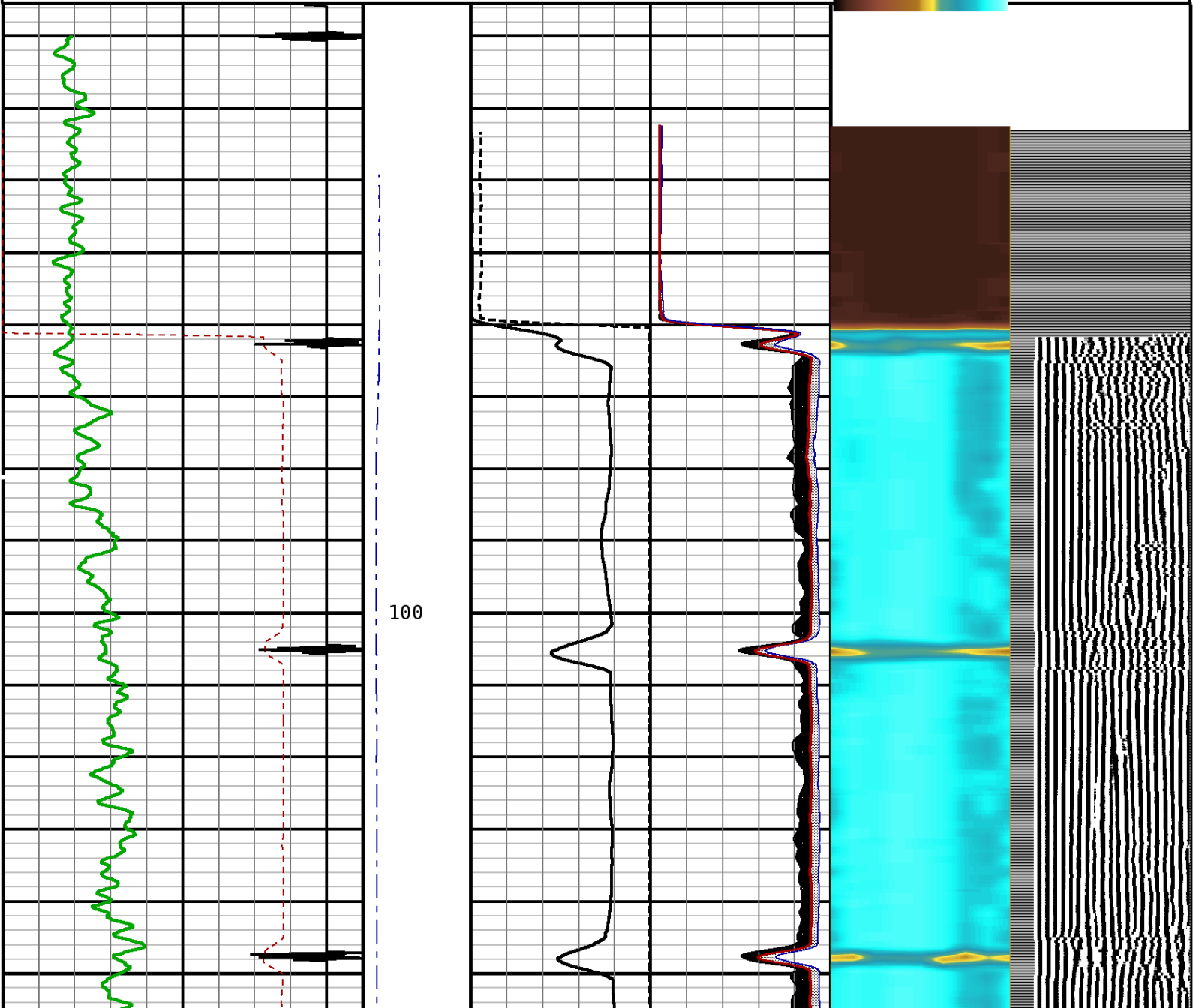
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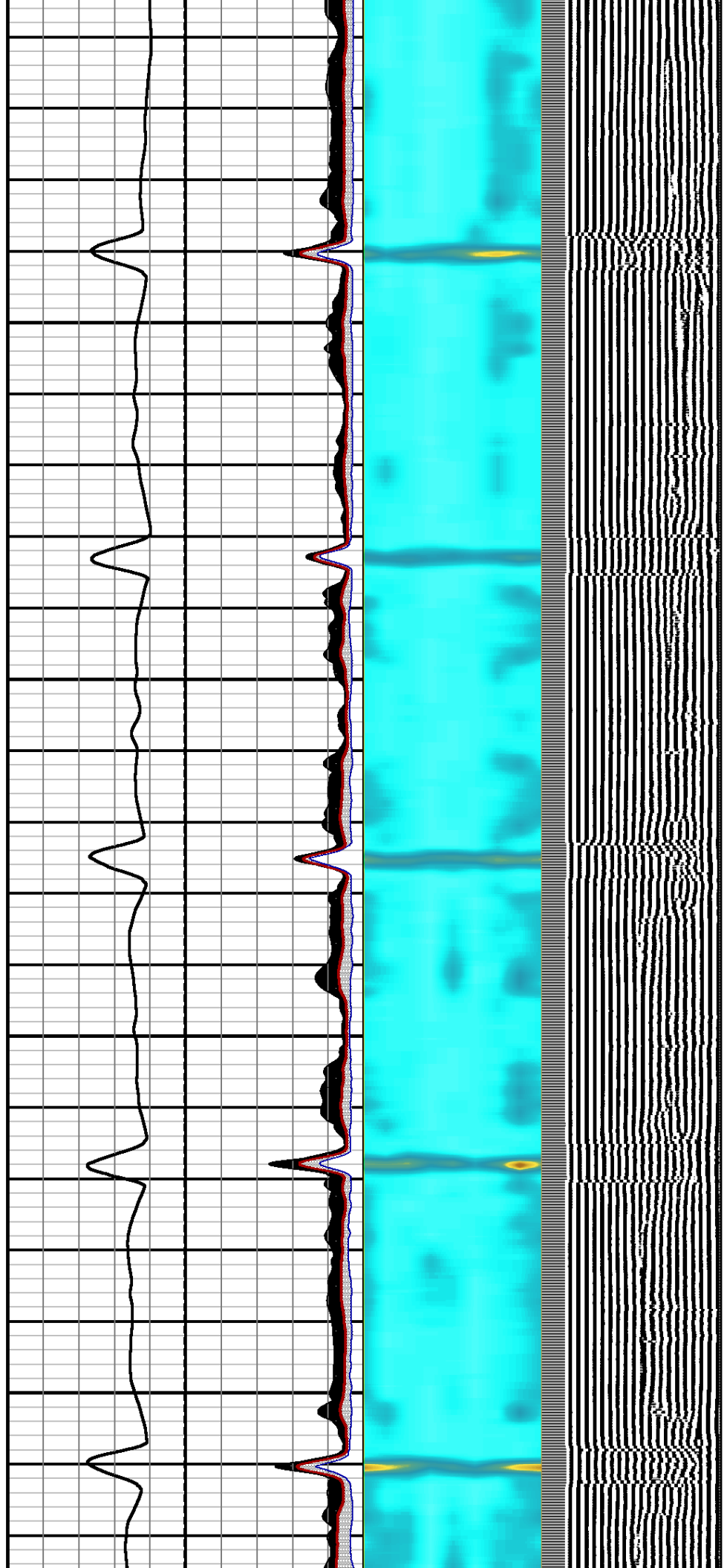
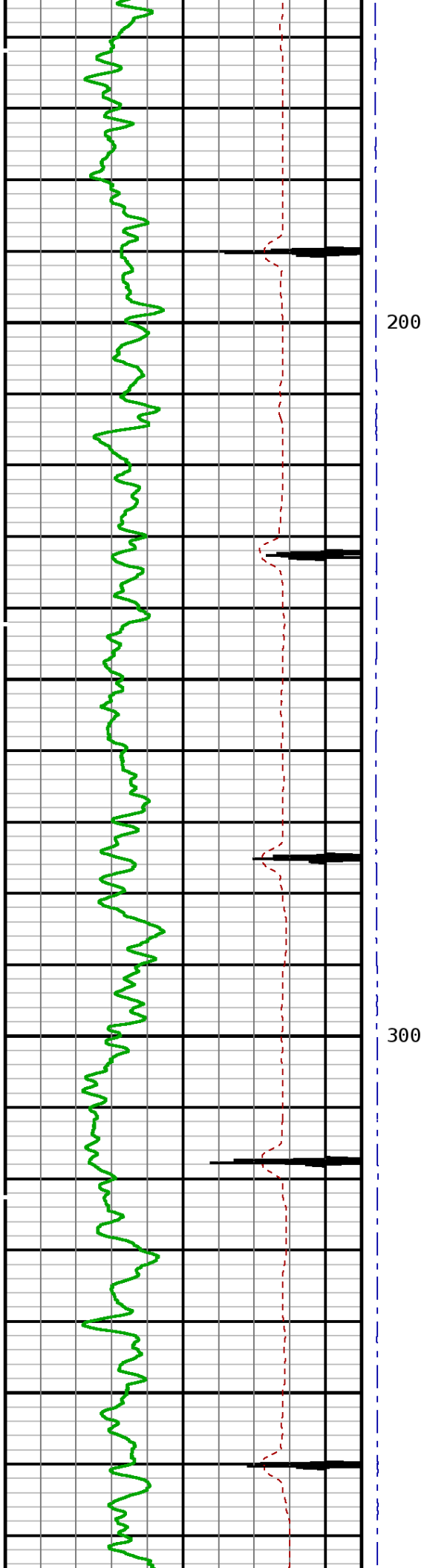
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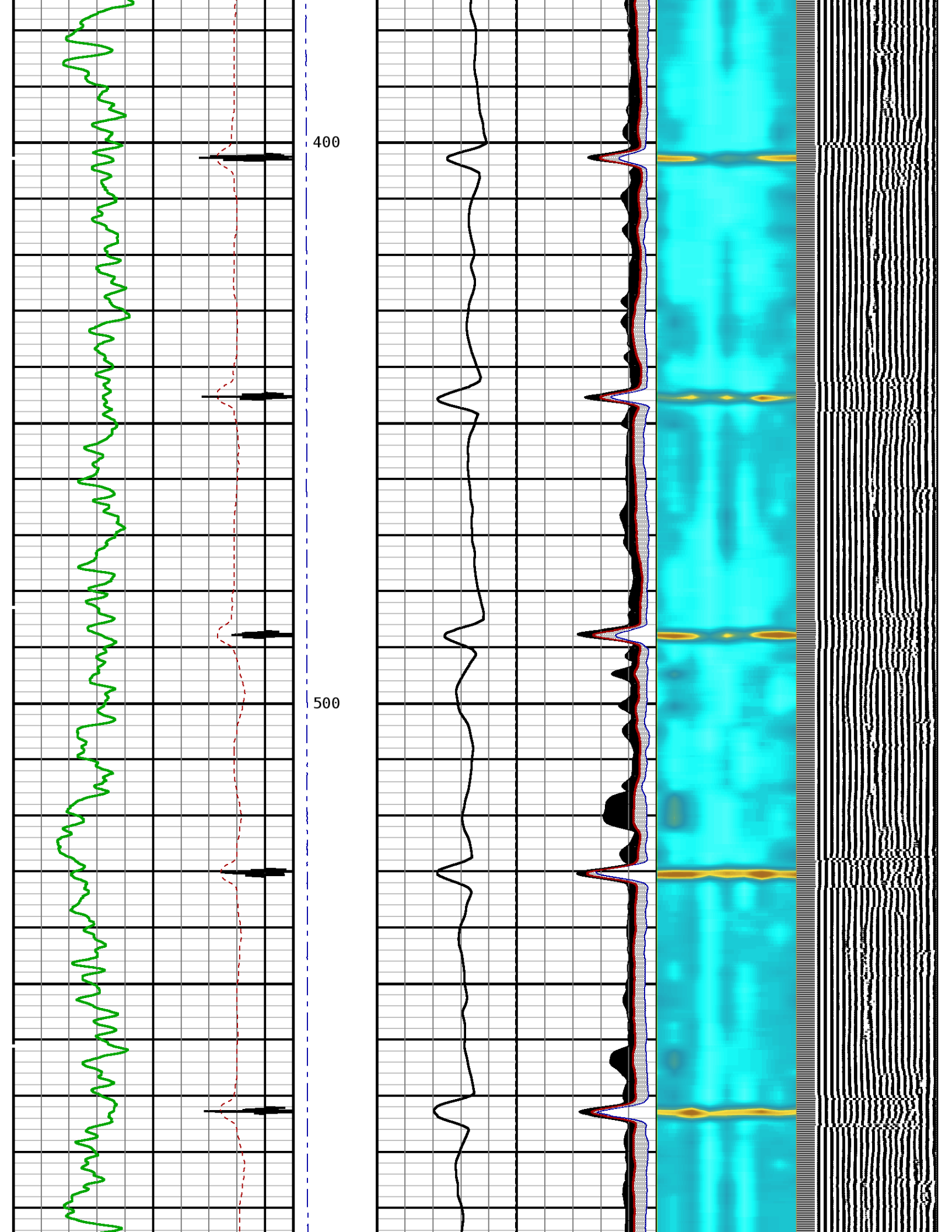
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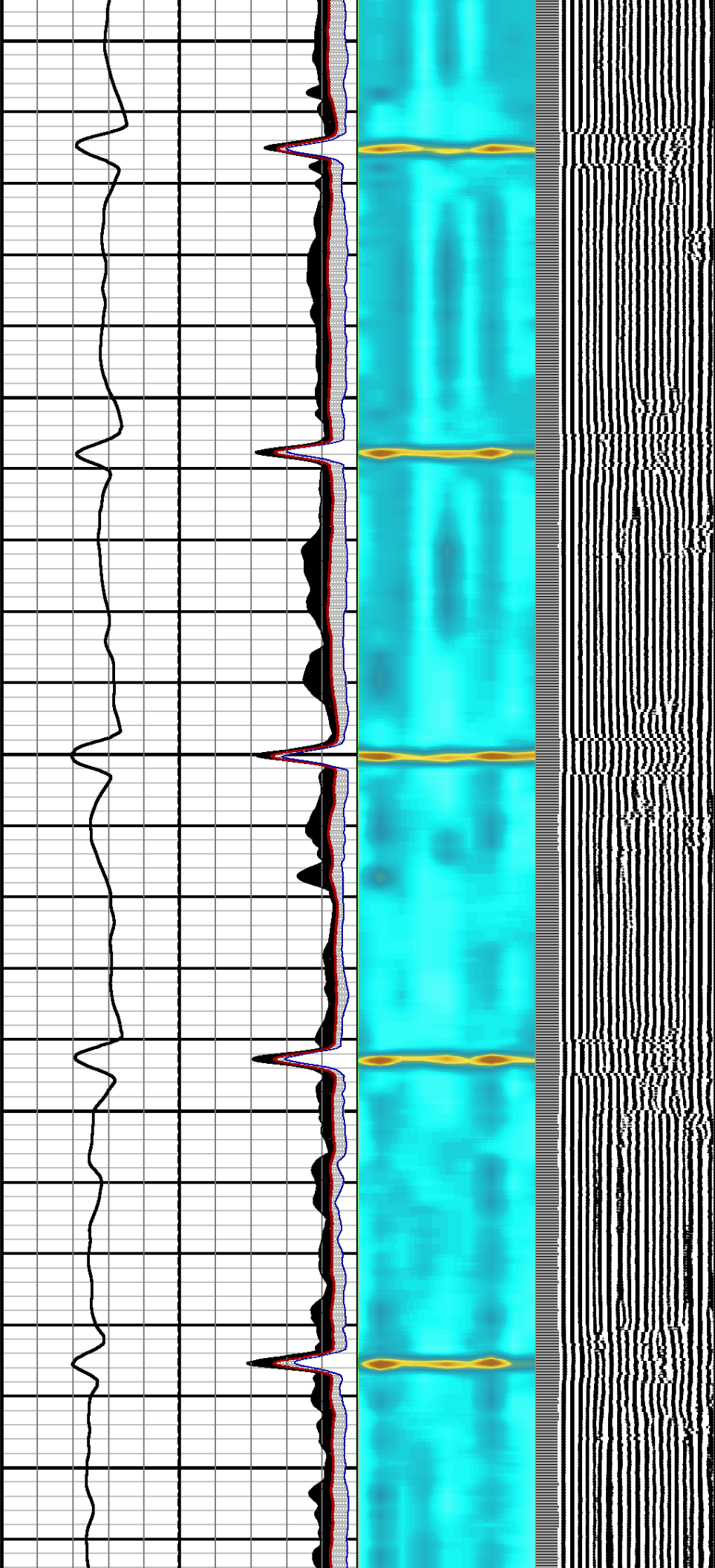
VARIABLE DENSI

200 us 1200





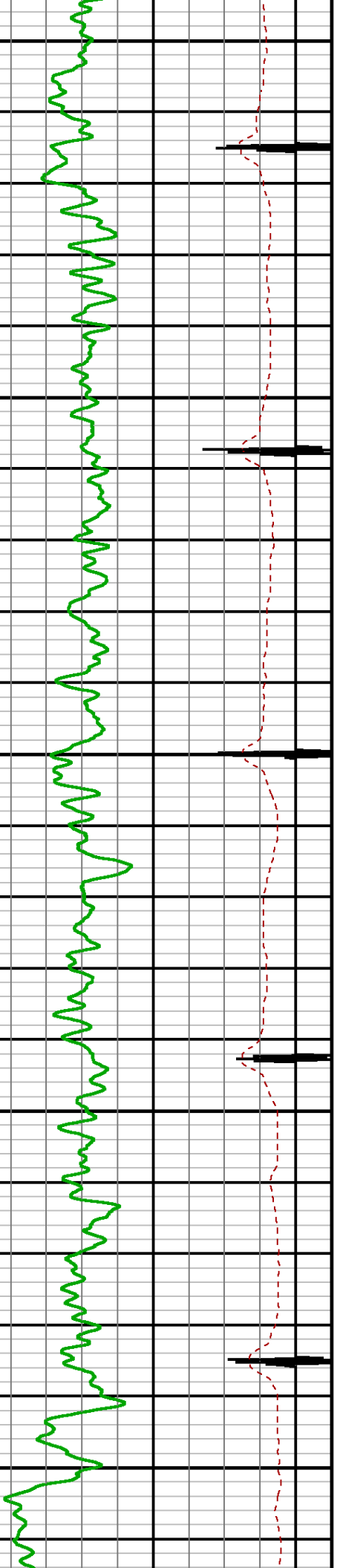


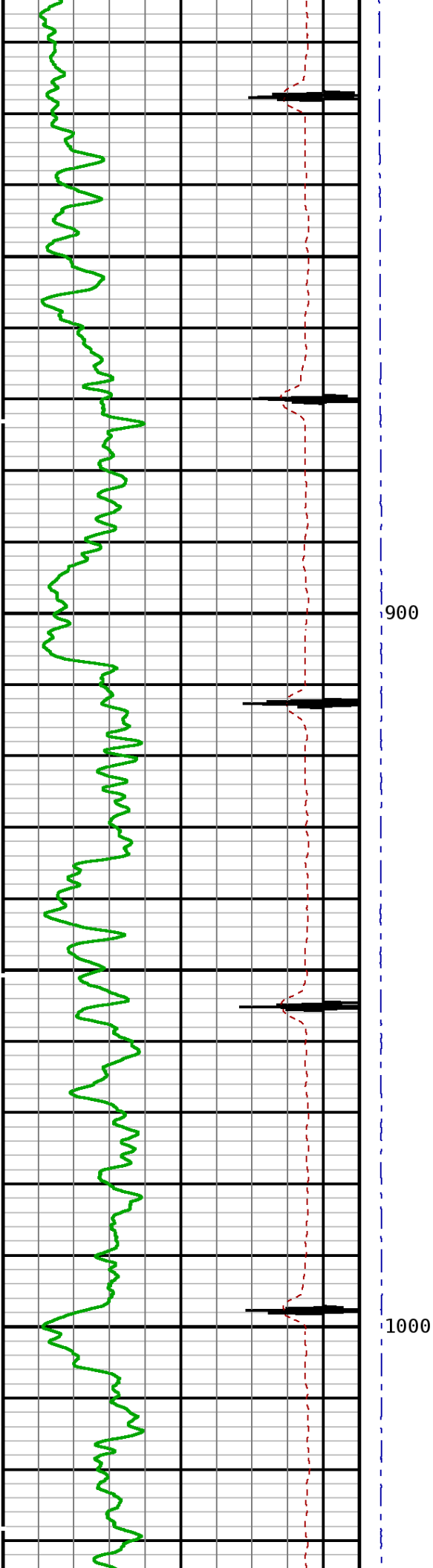
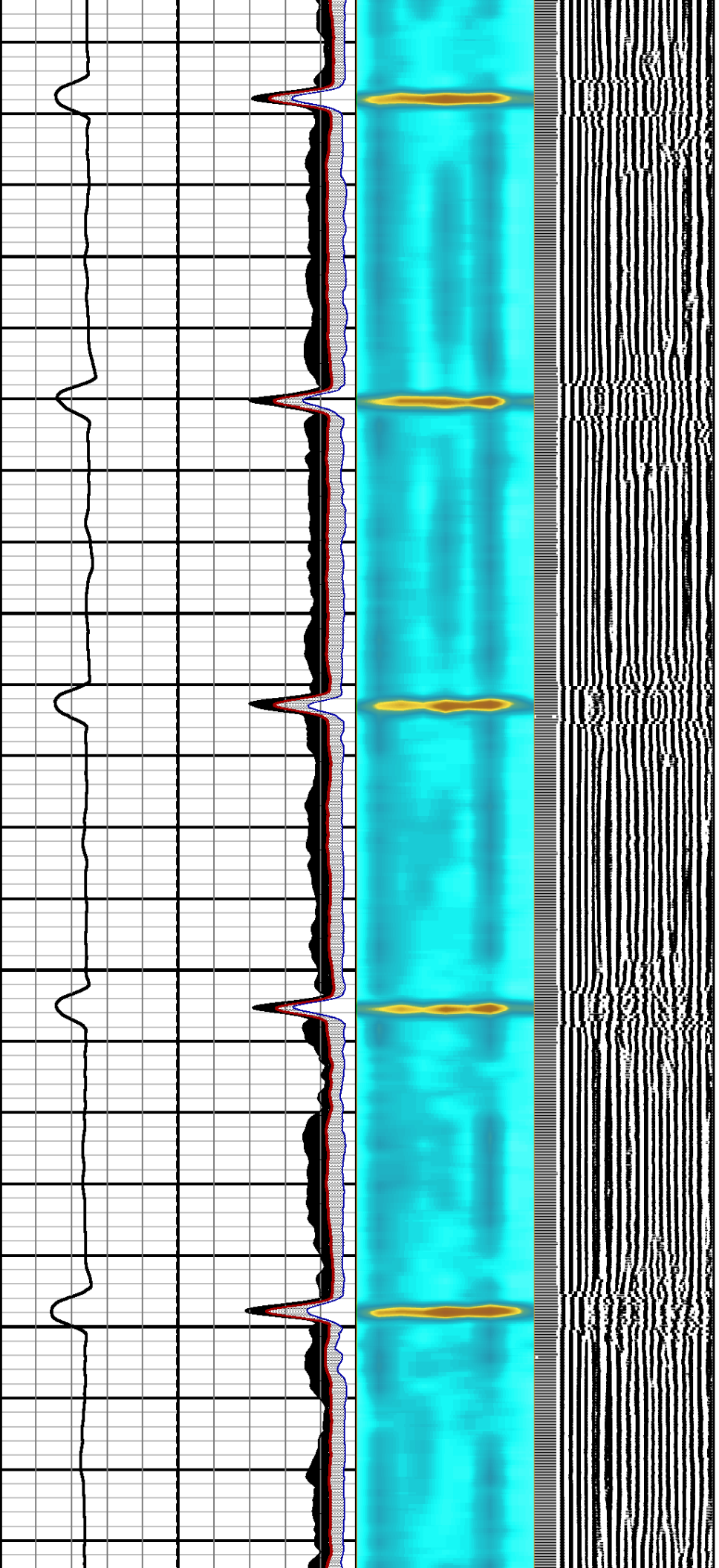


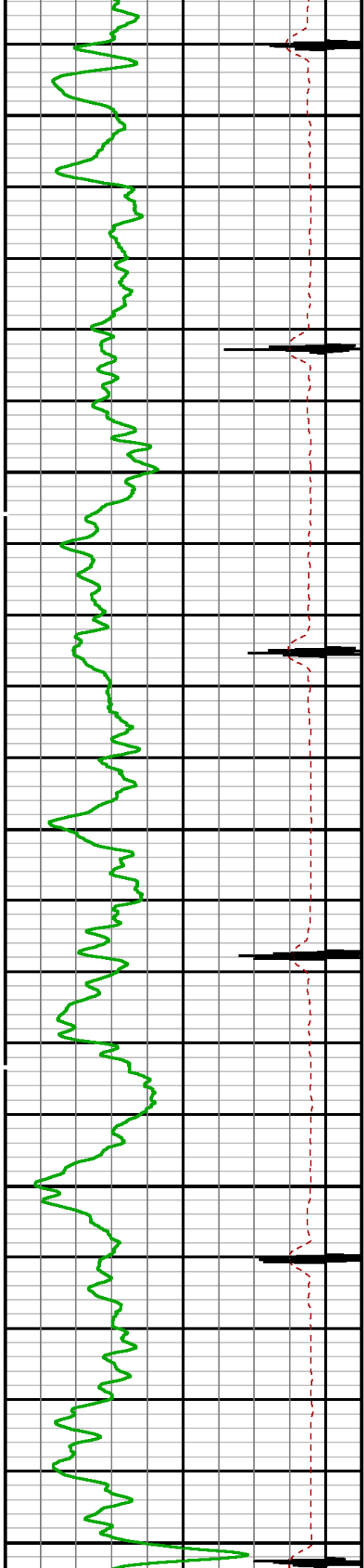
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700

800

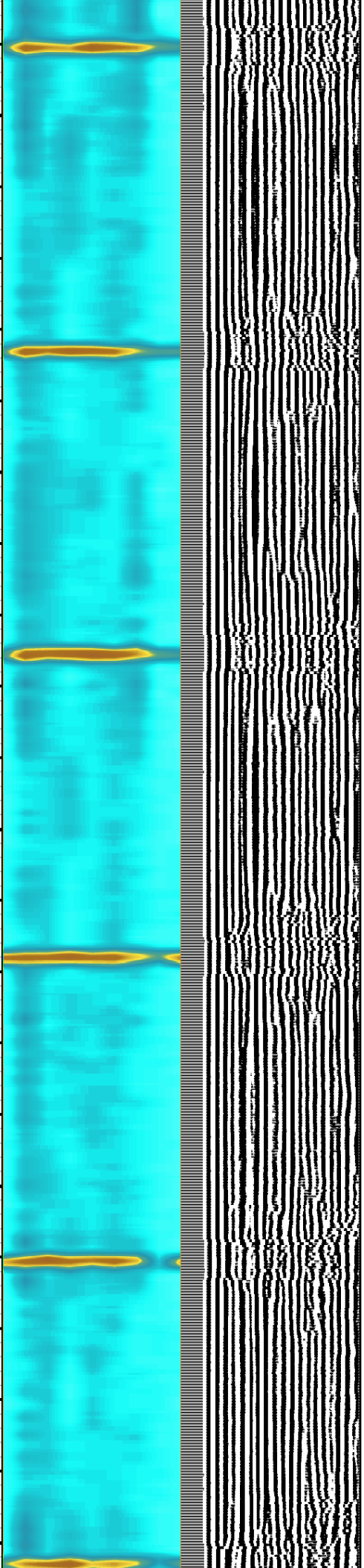
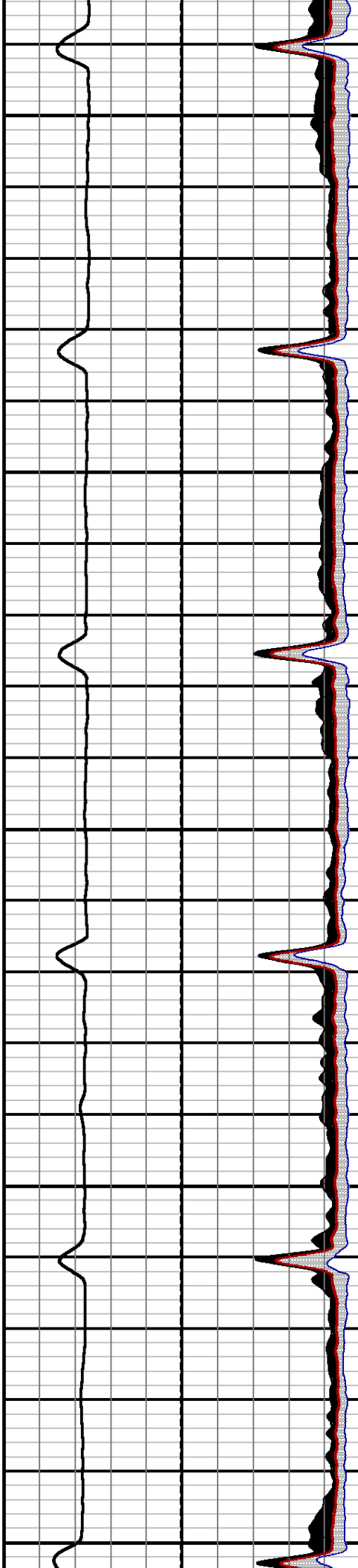


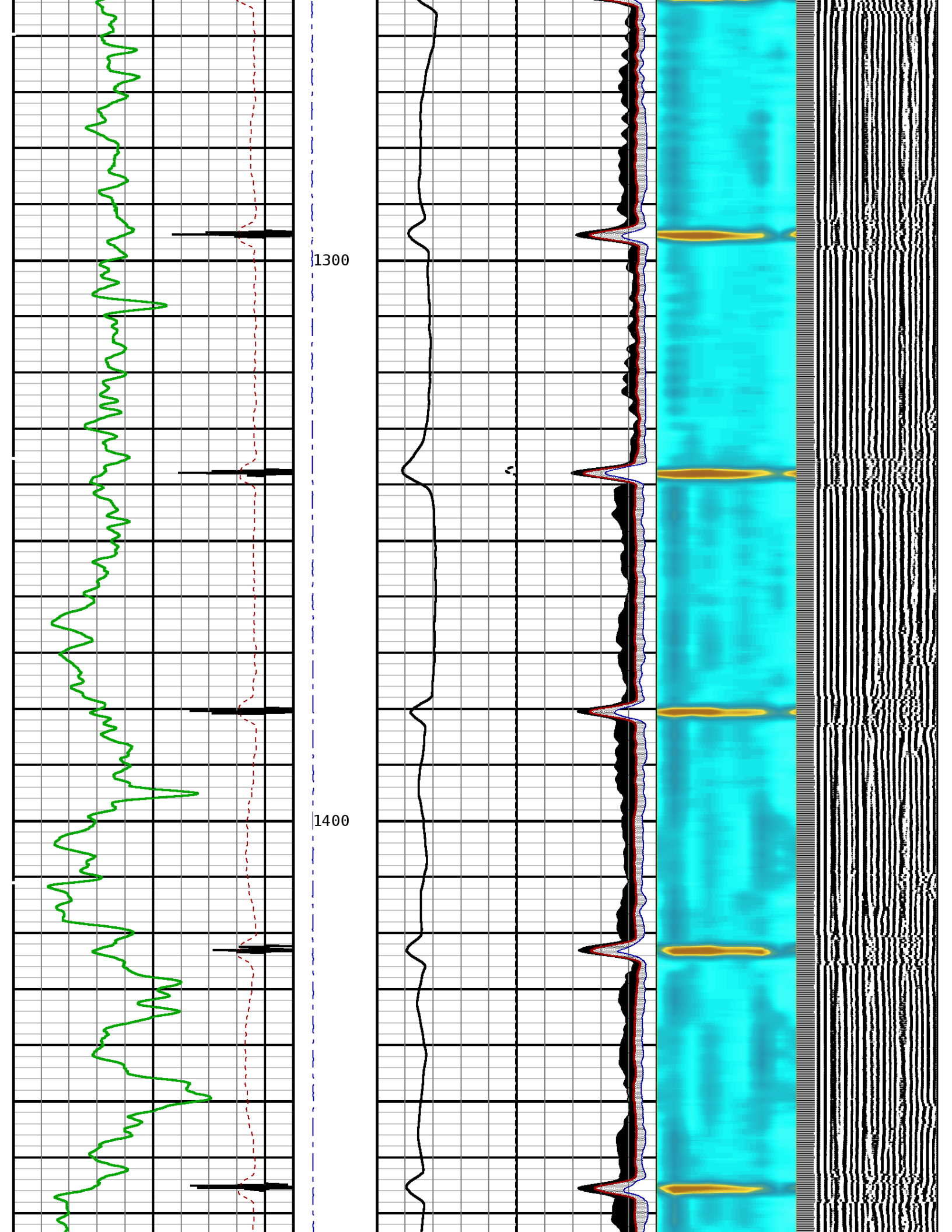


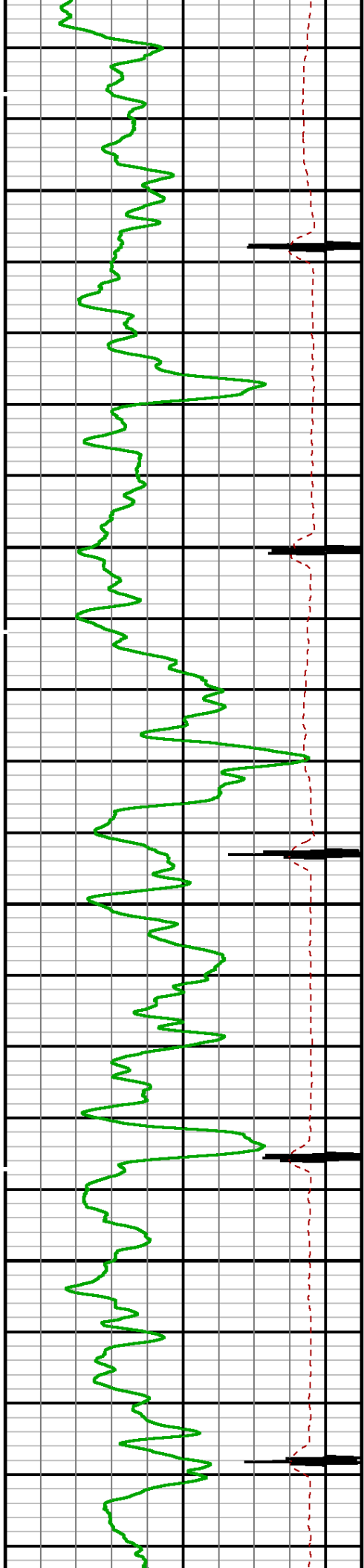


1100

1200

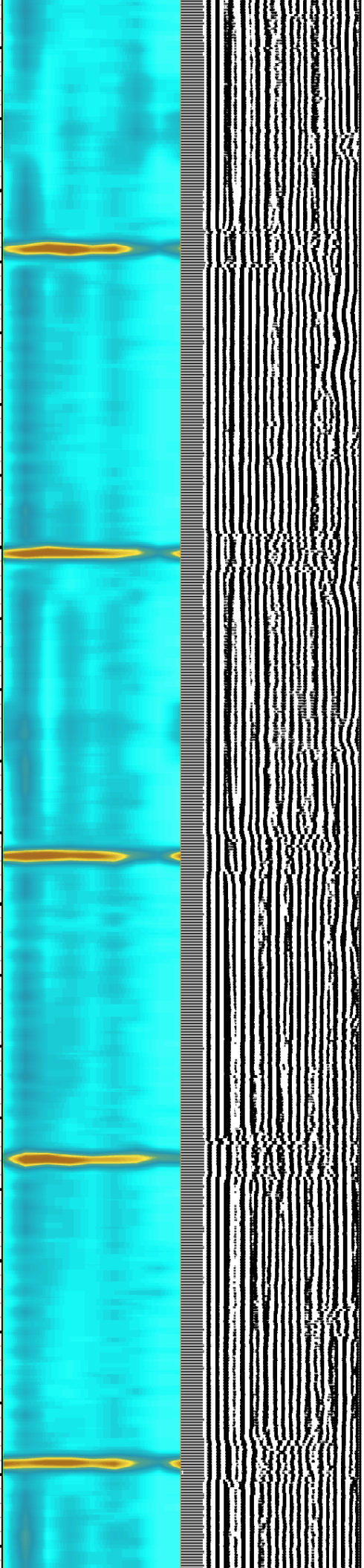
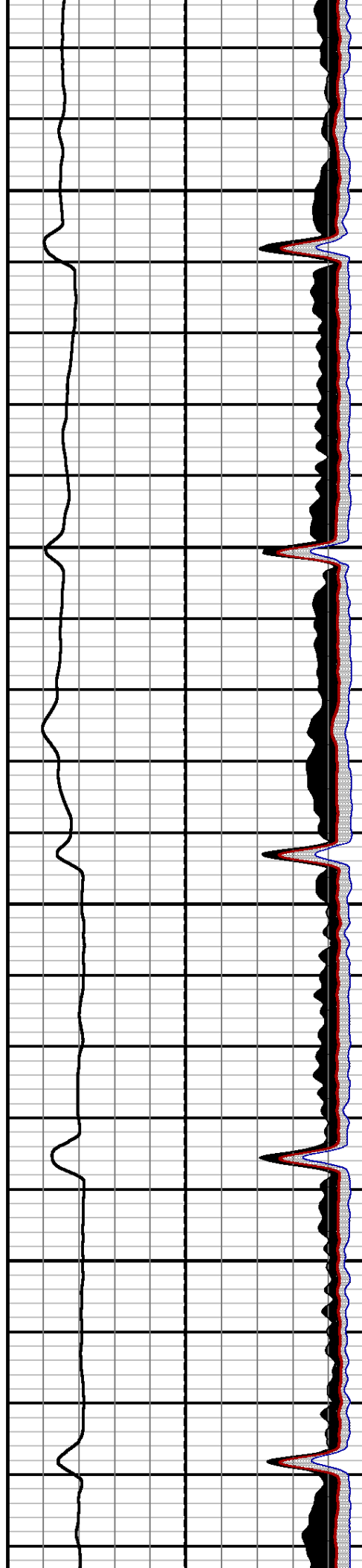


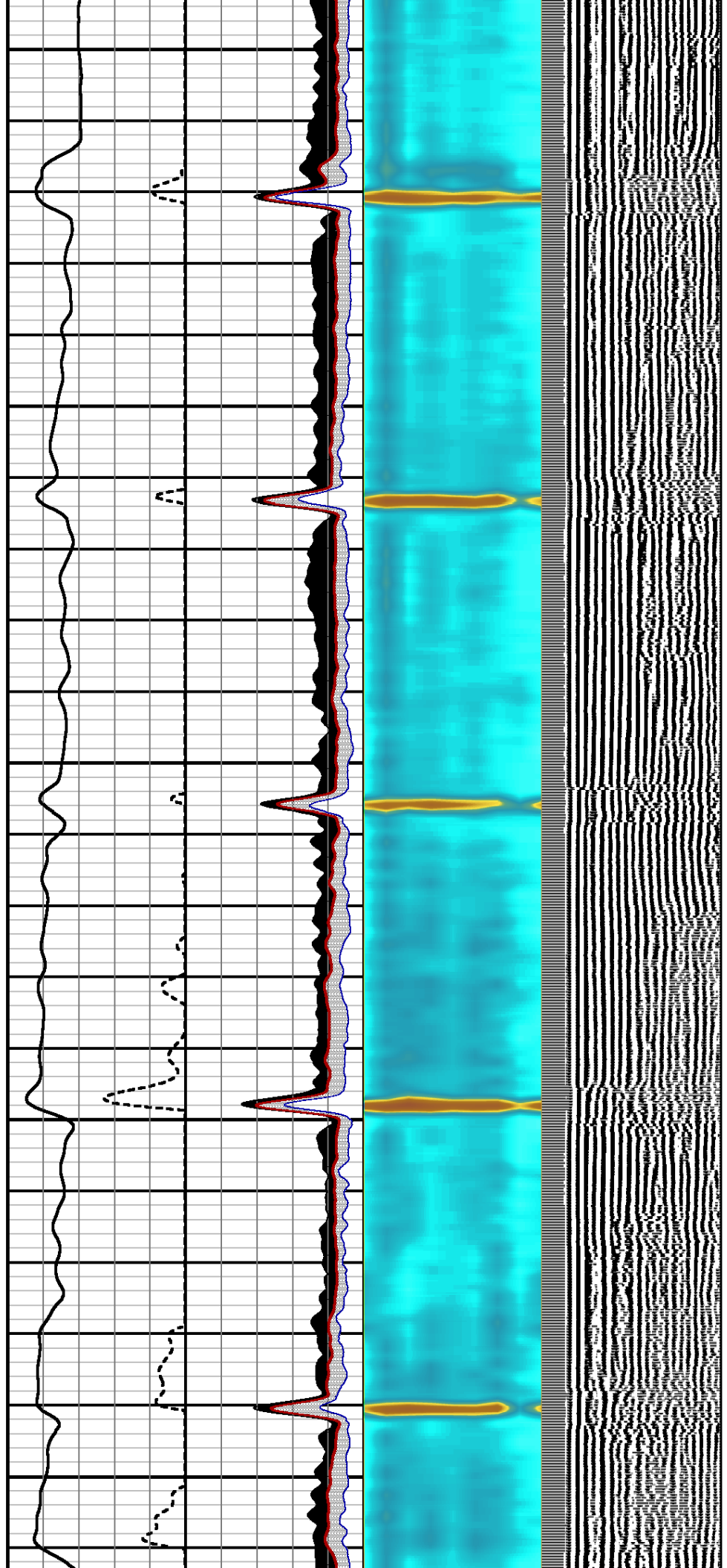
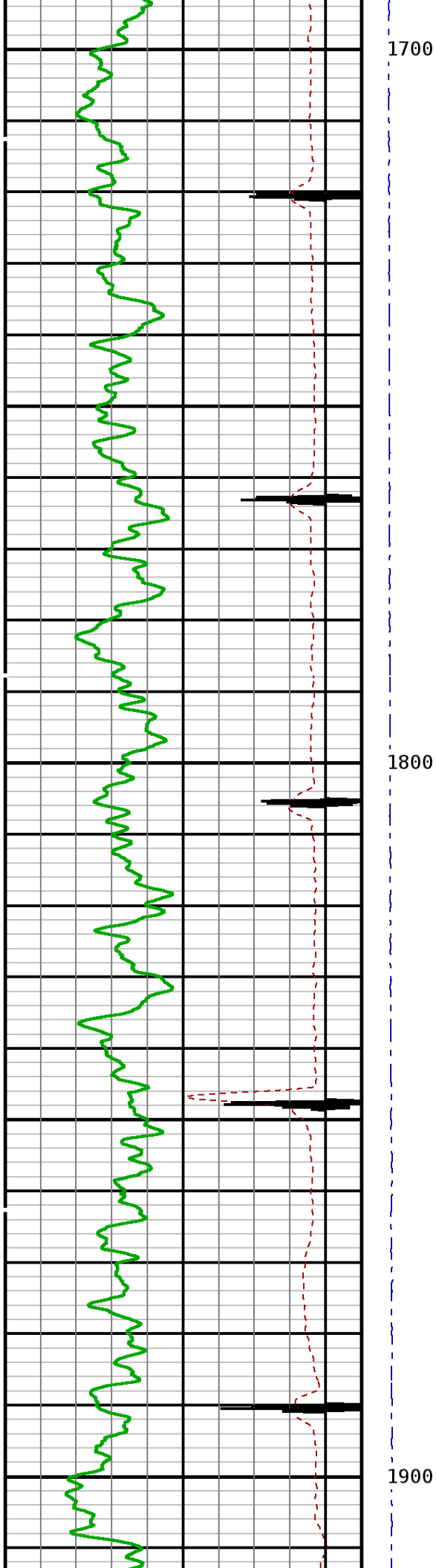


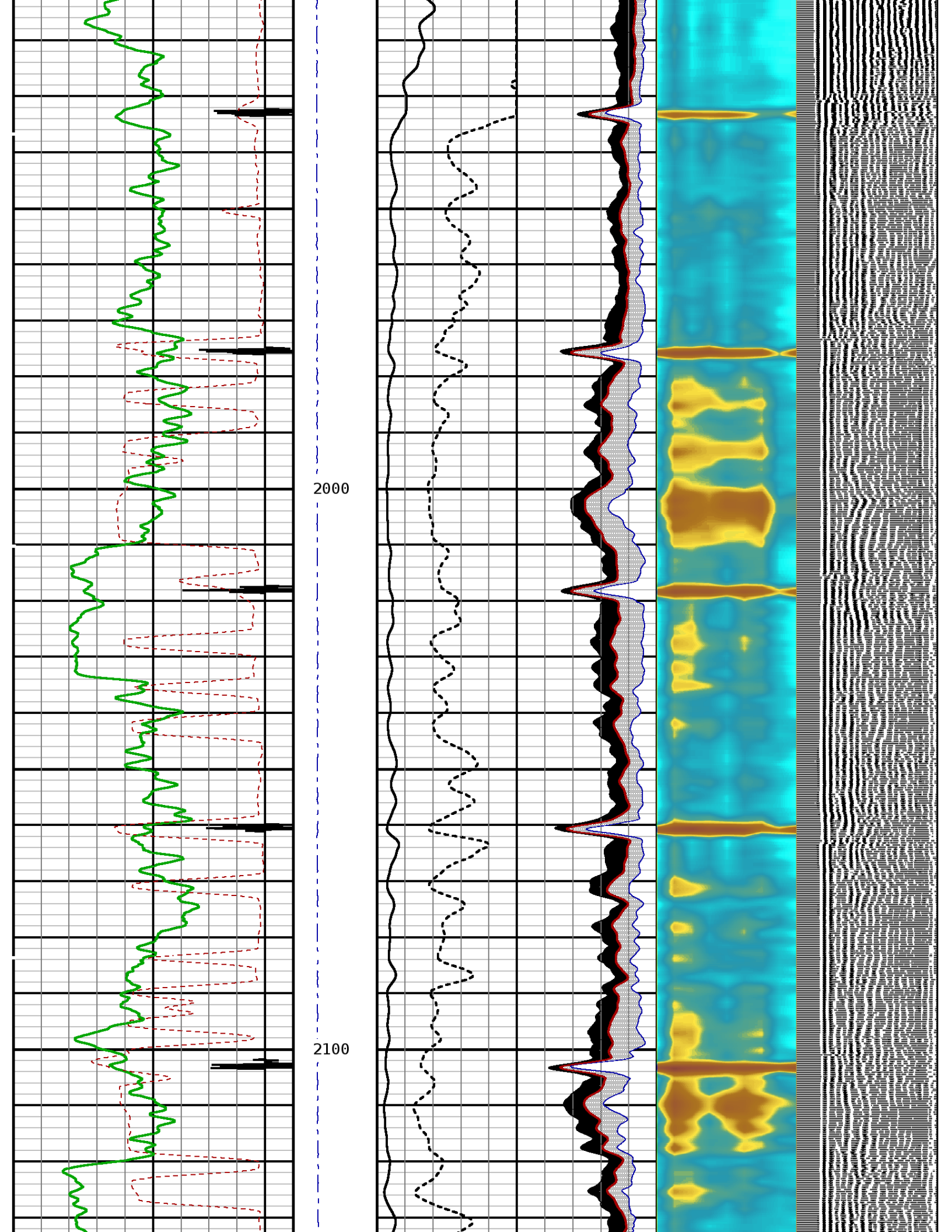


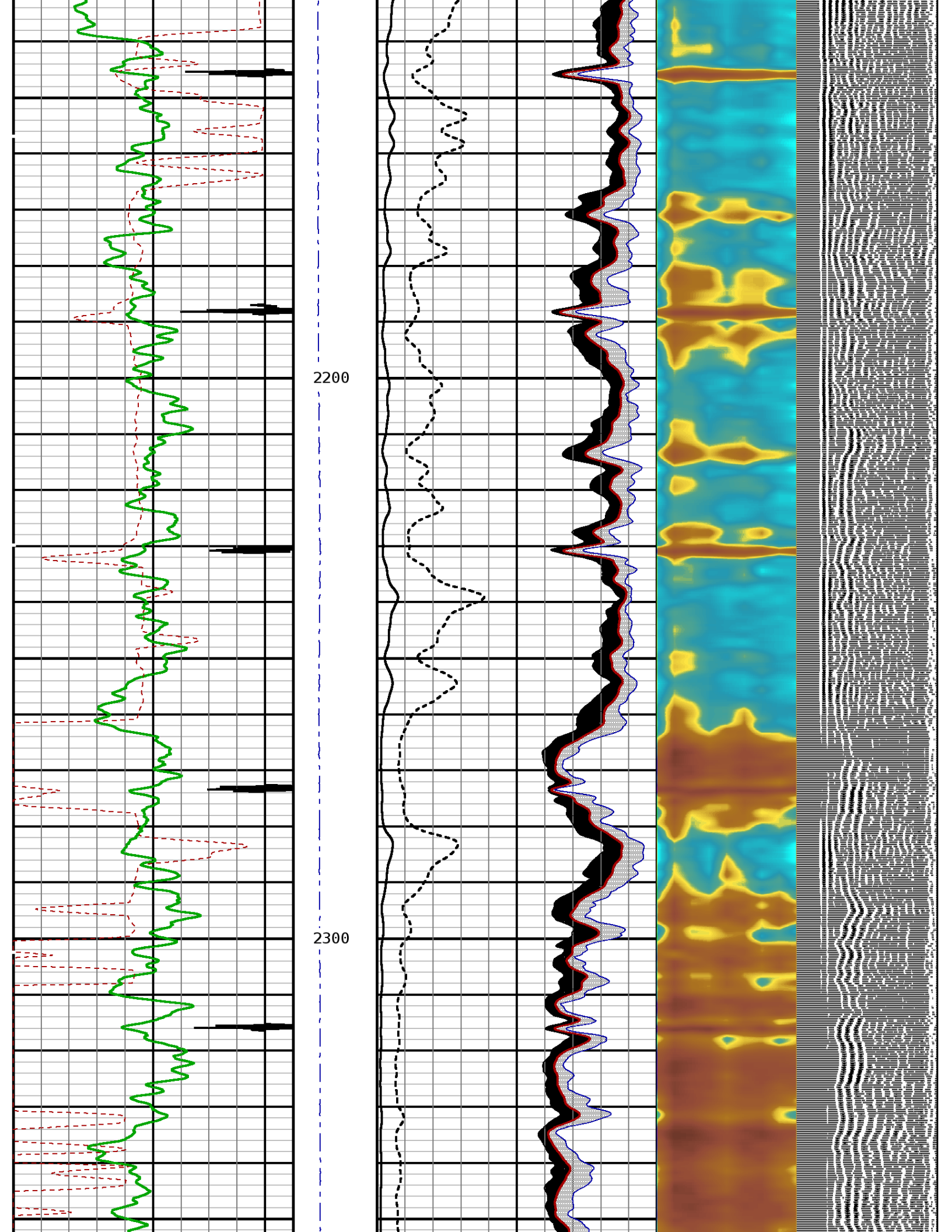
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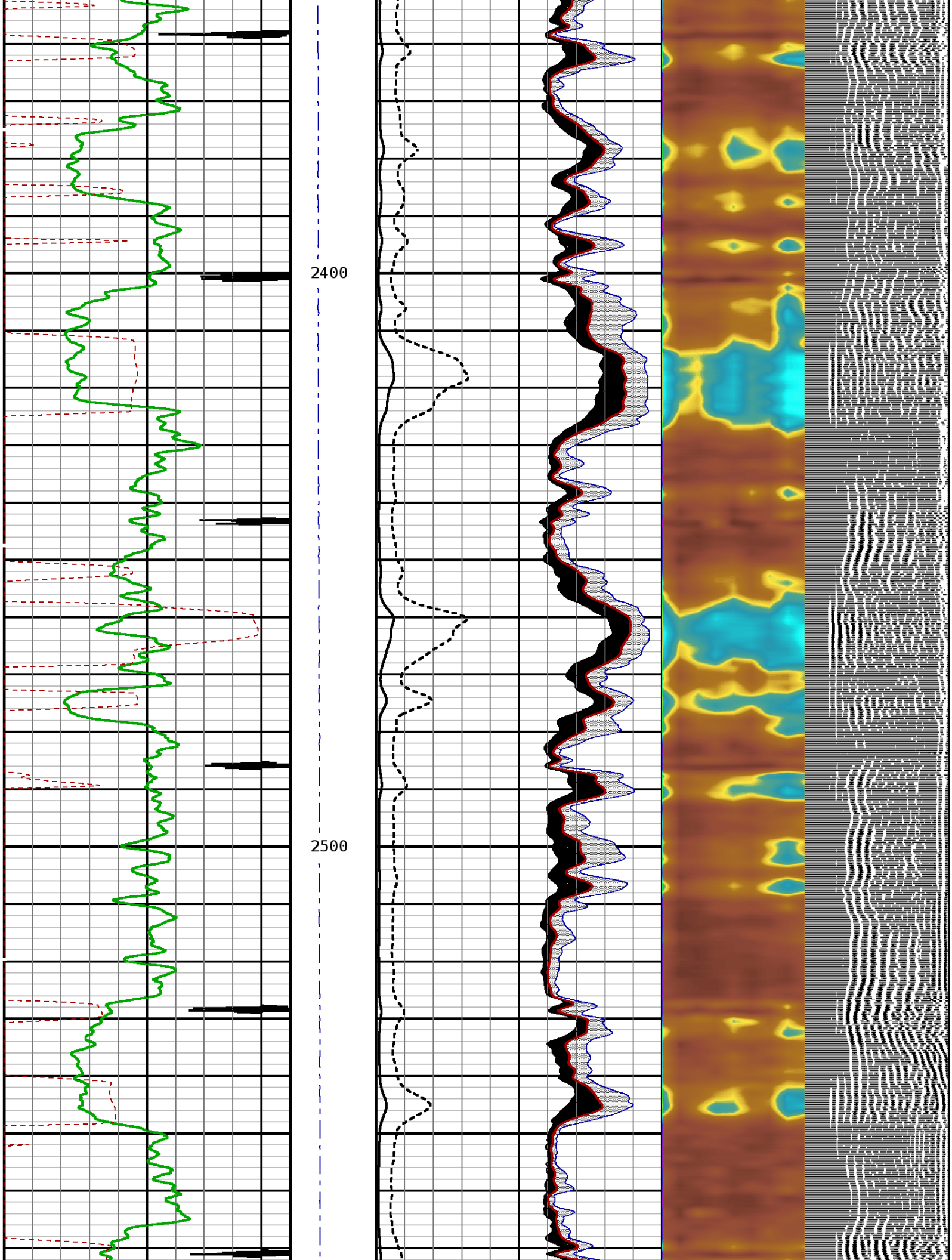
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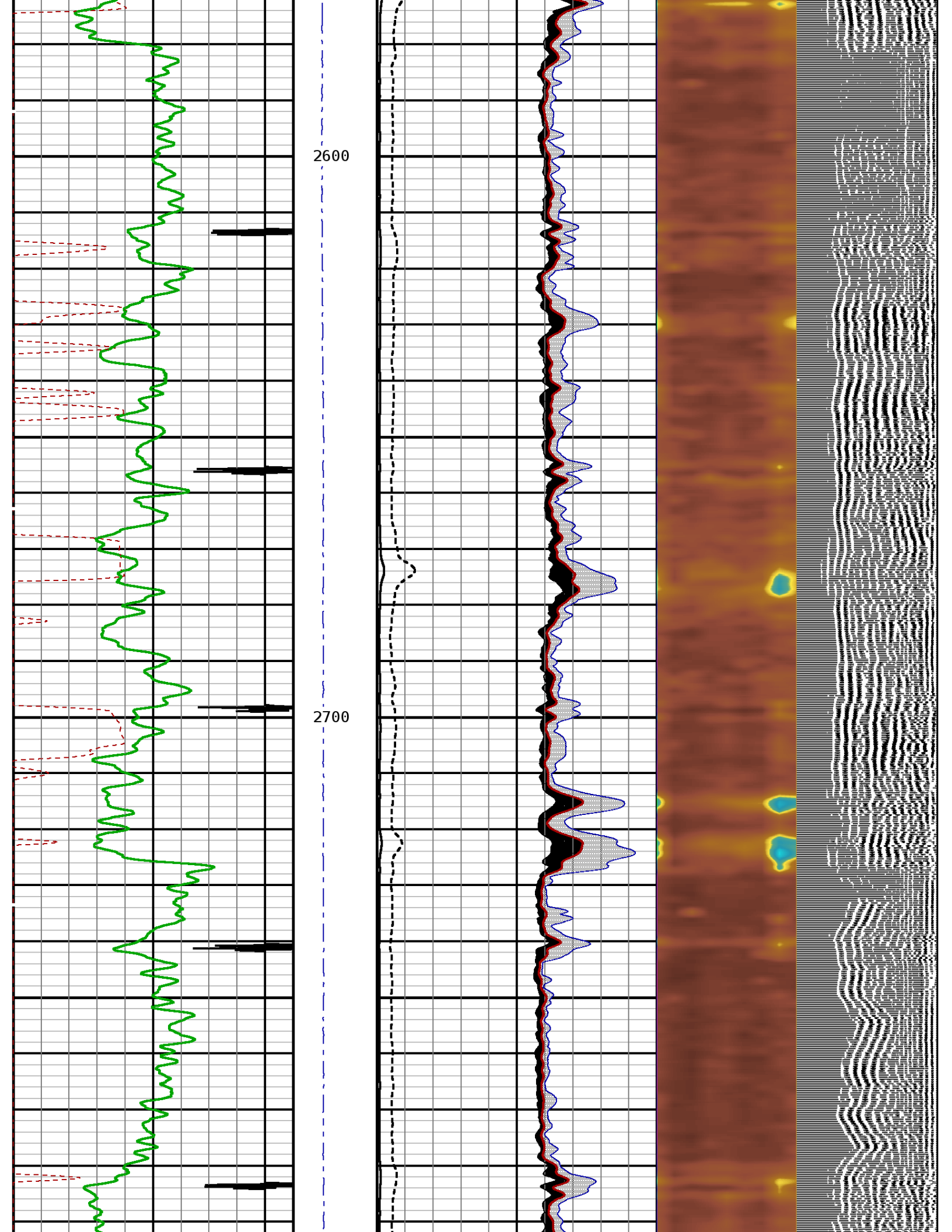


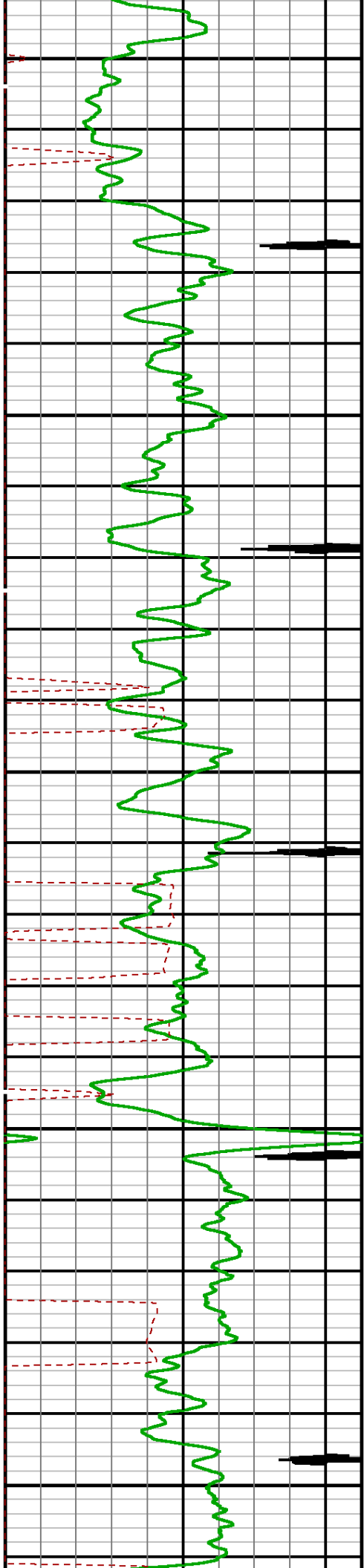








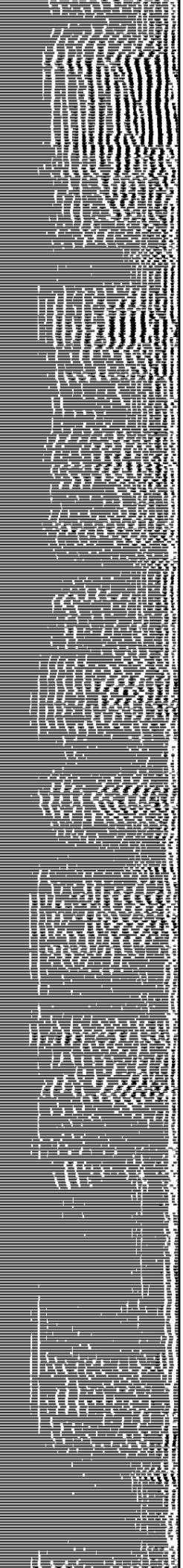
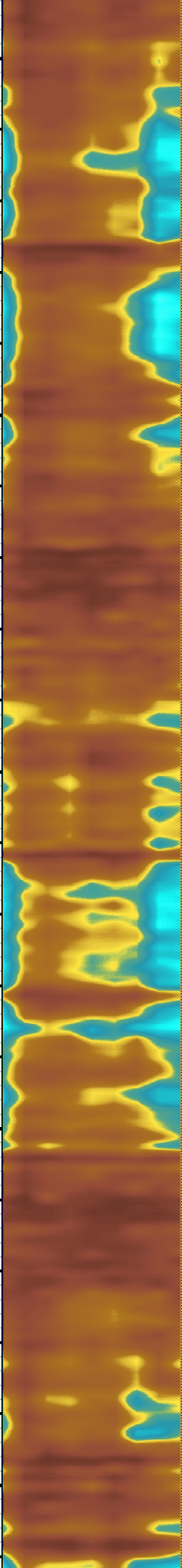
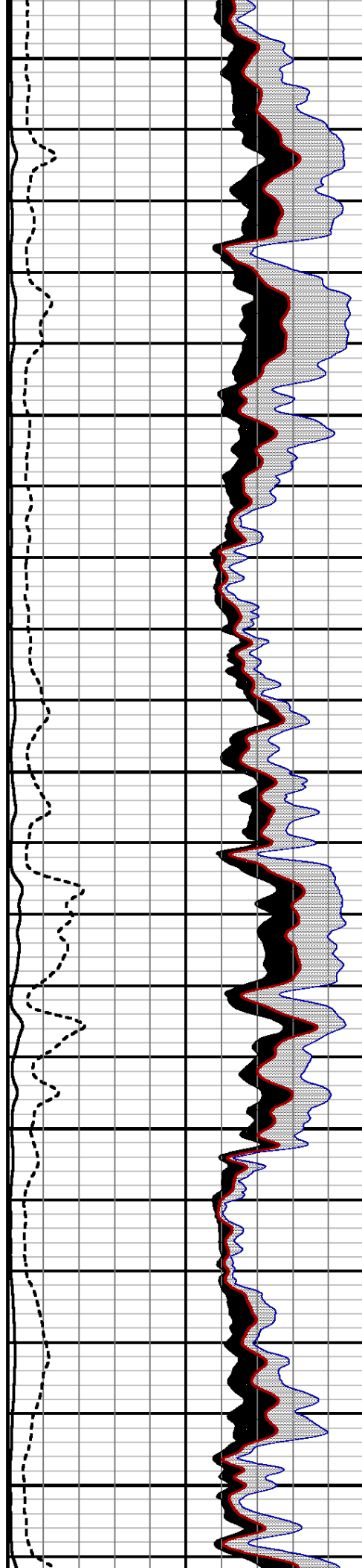


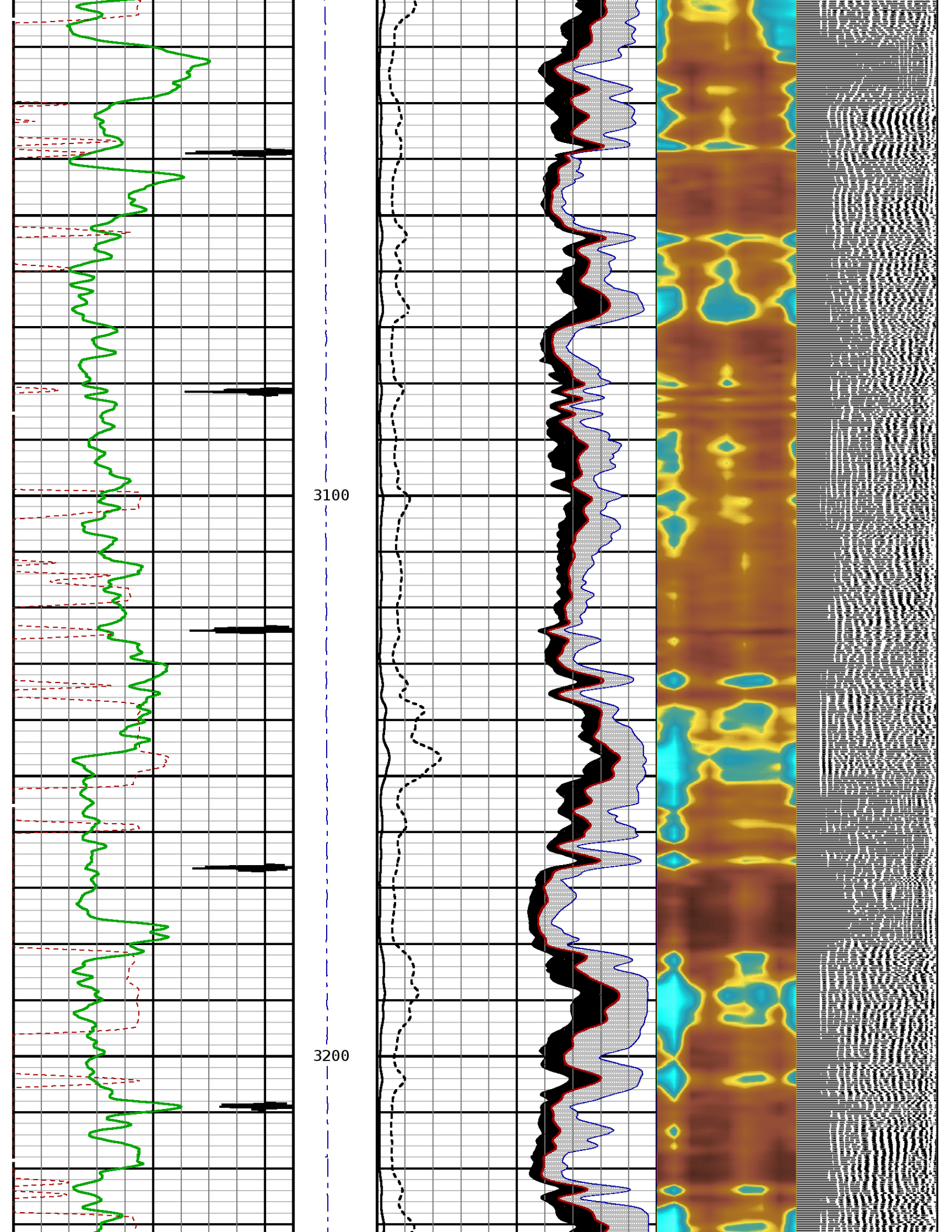


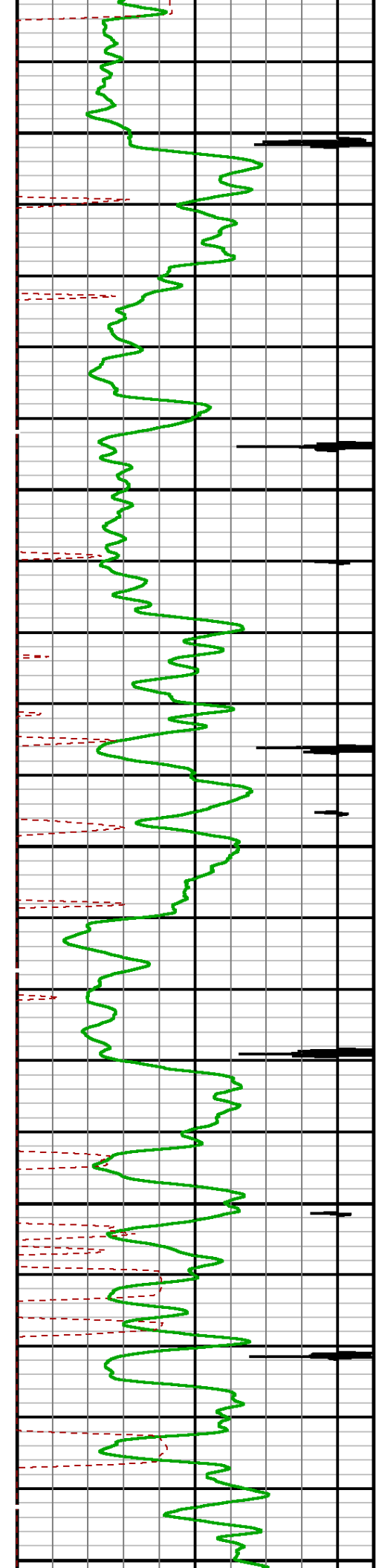
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2900

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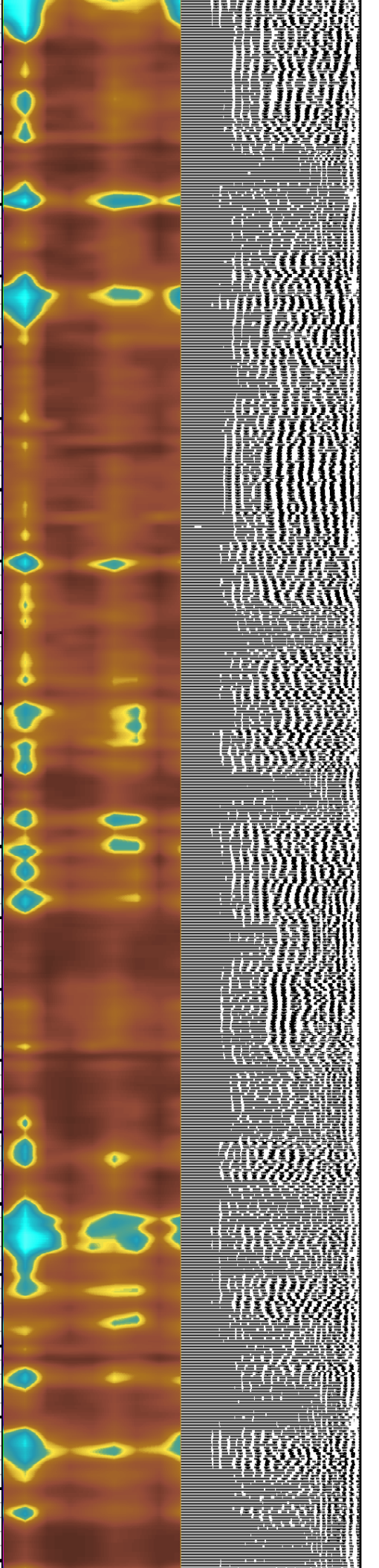
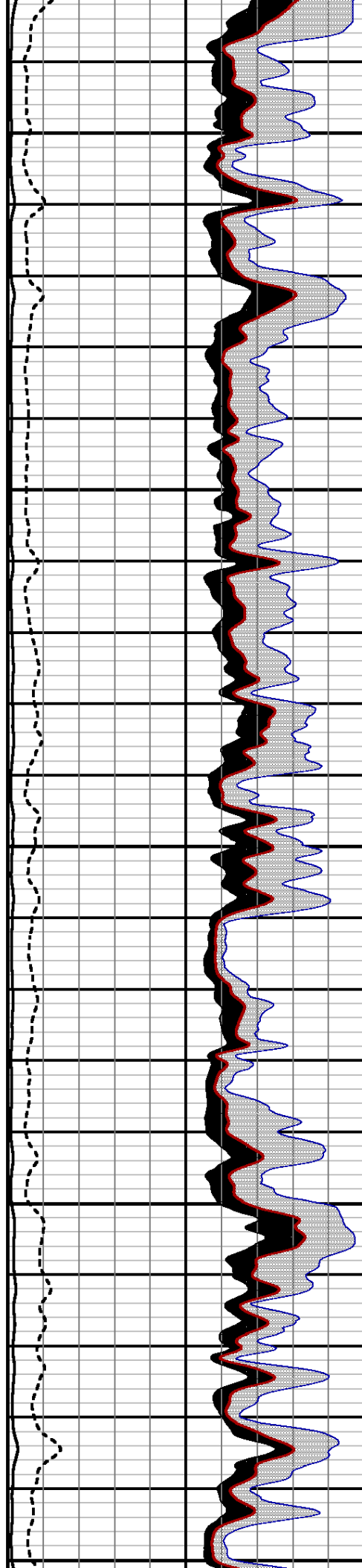


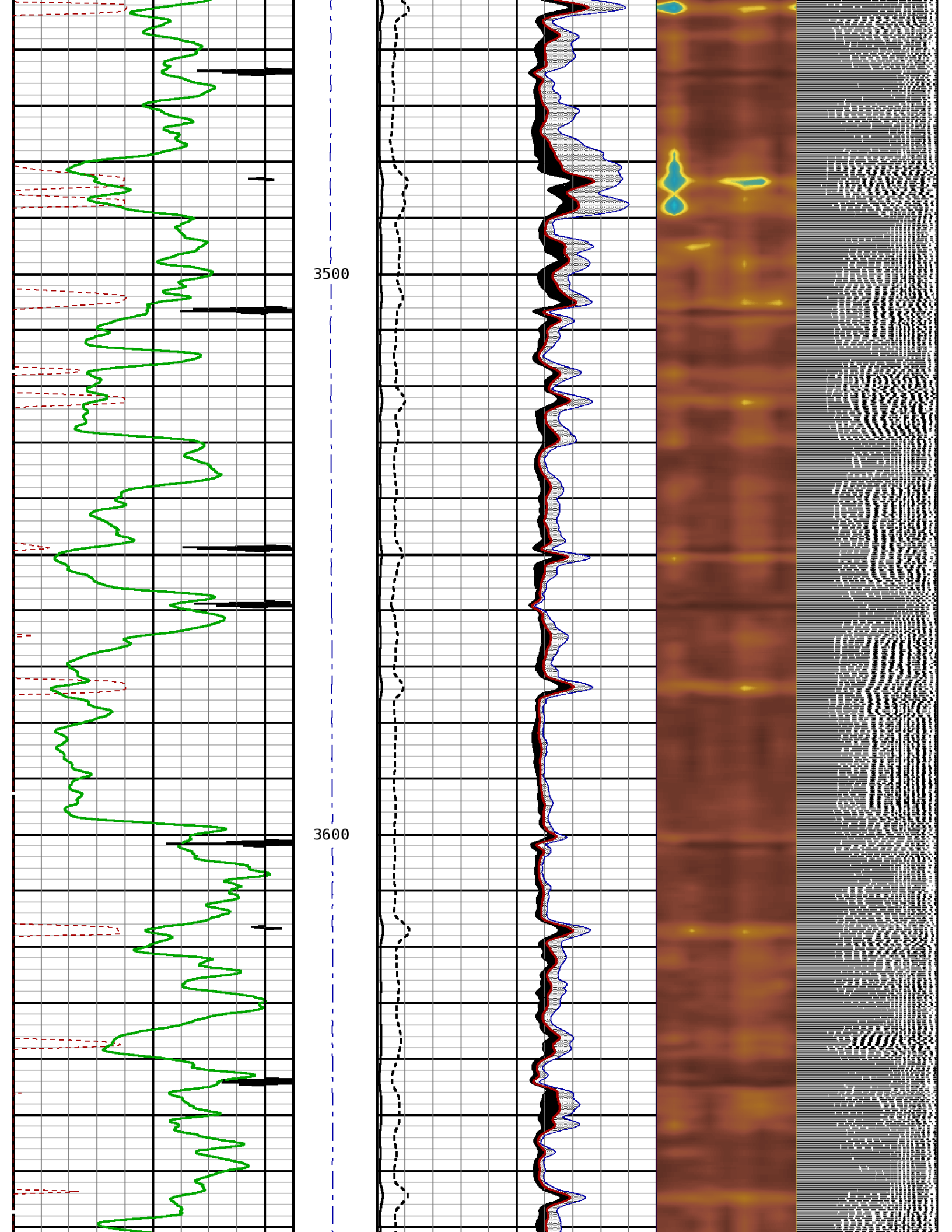


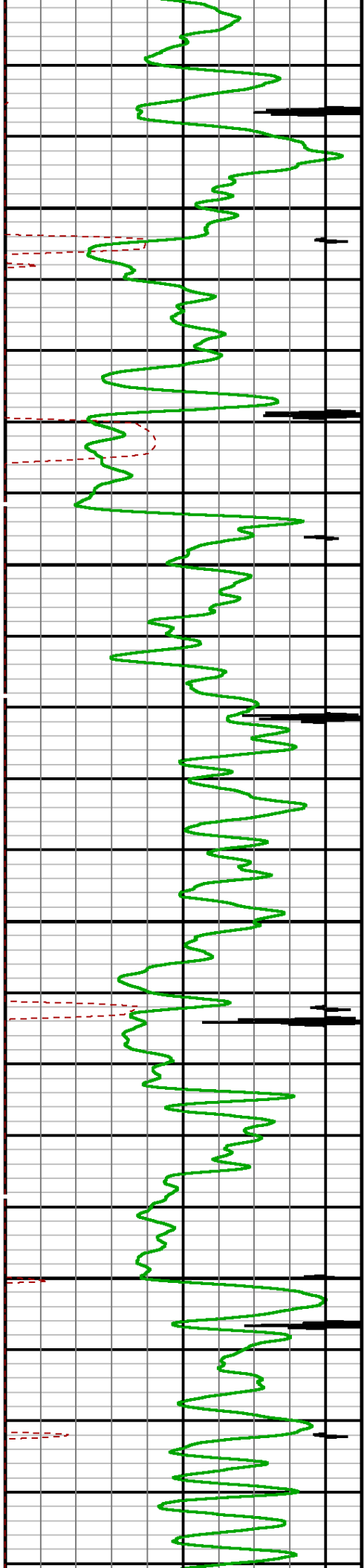


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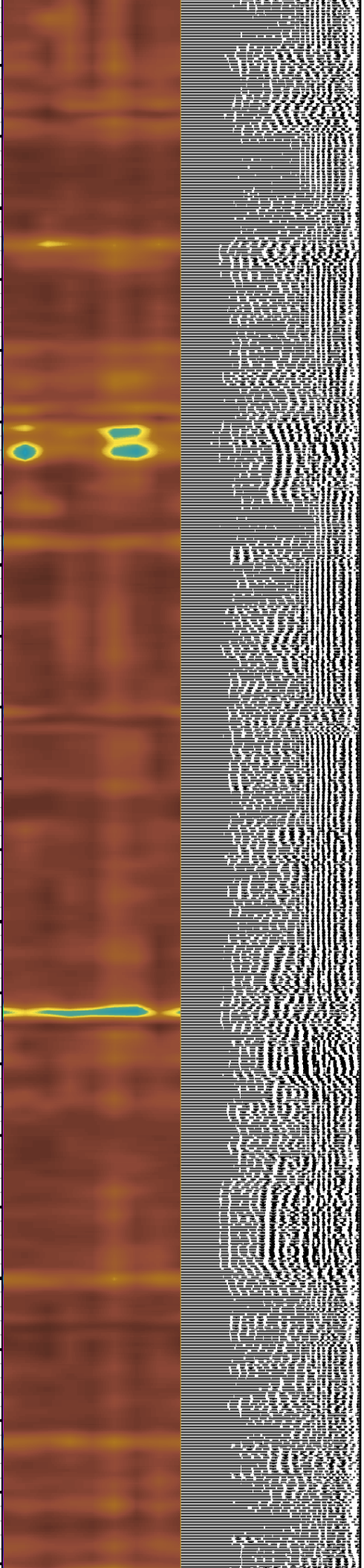
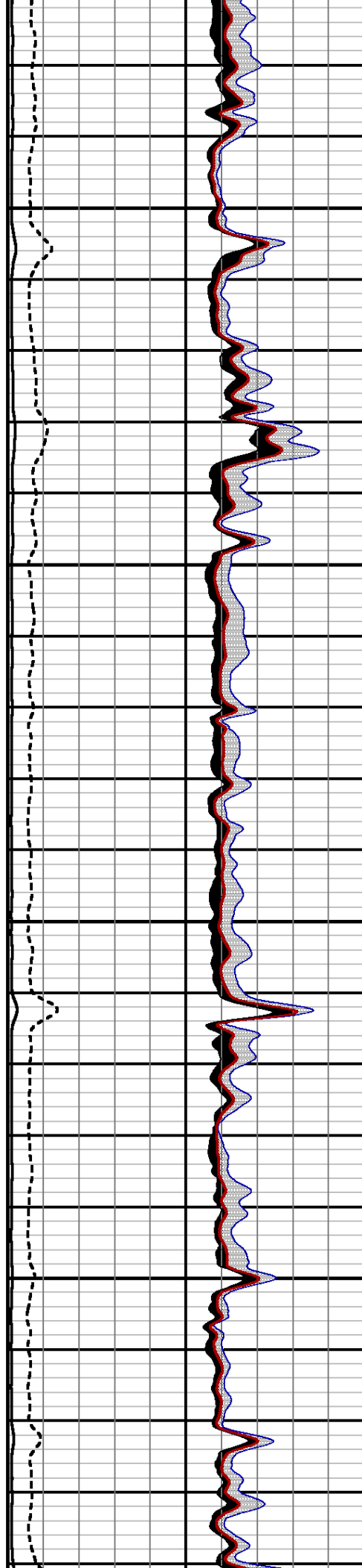


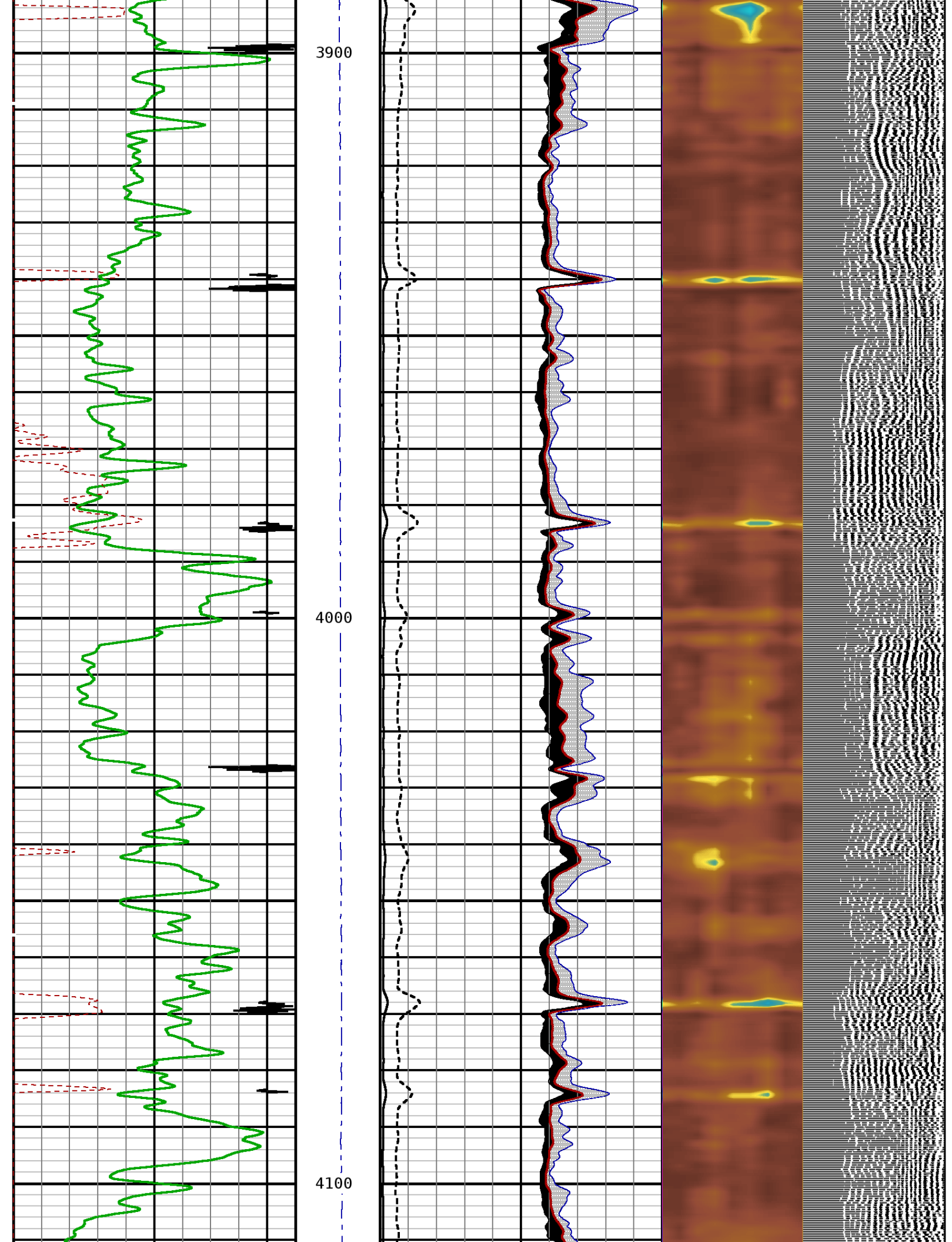


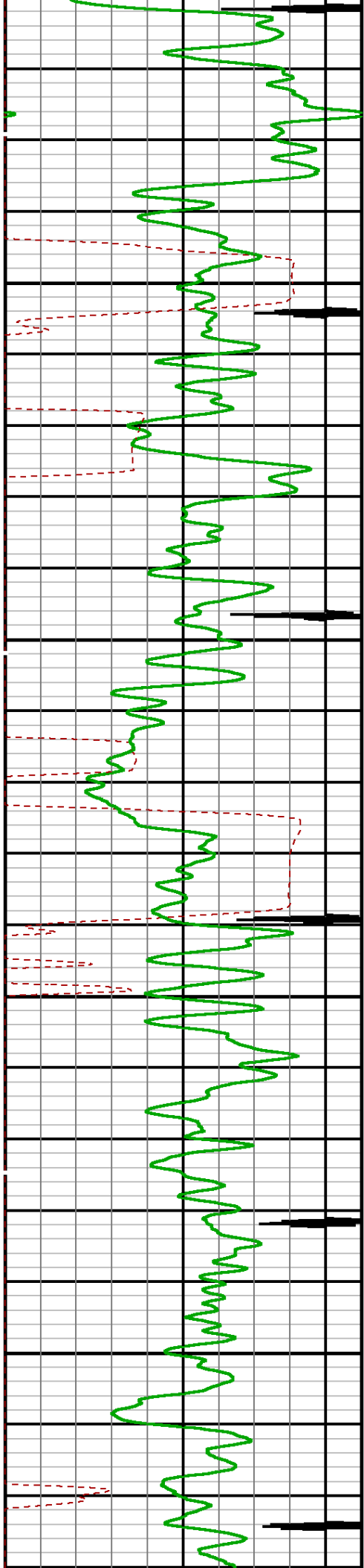


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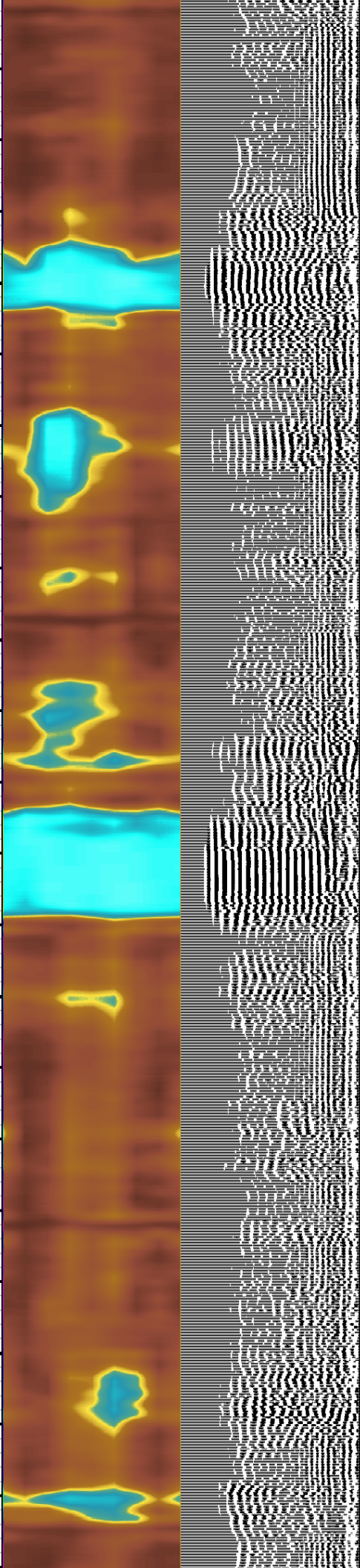
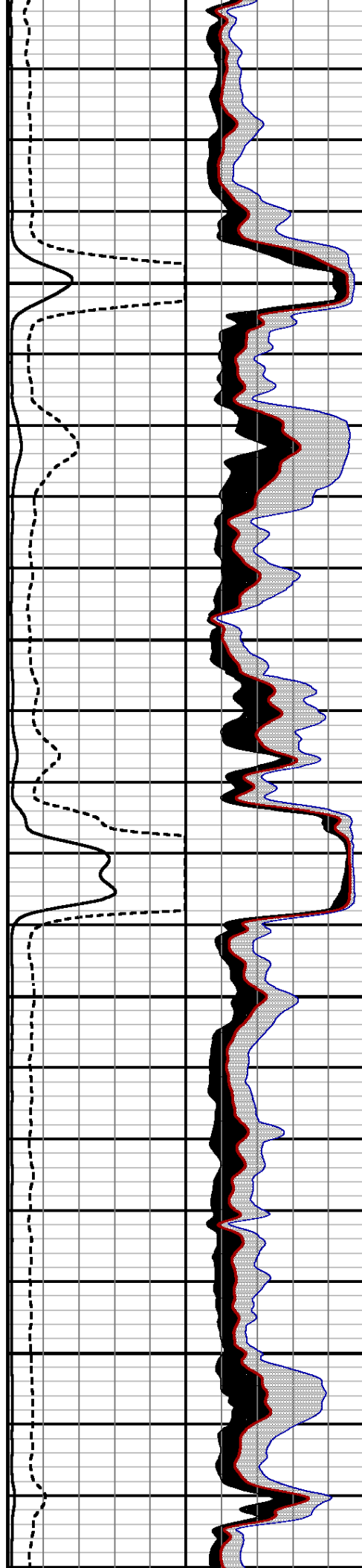


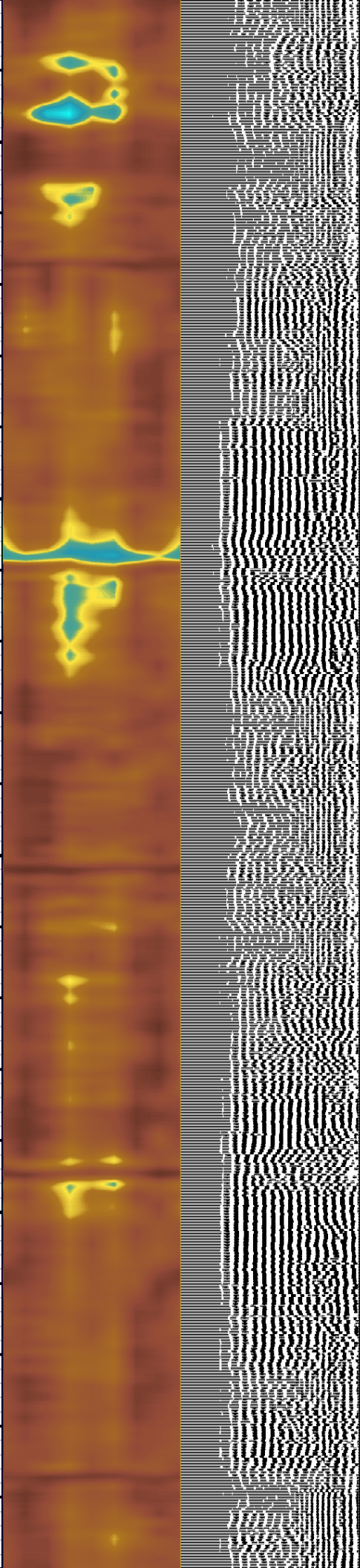
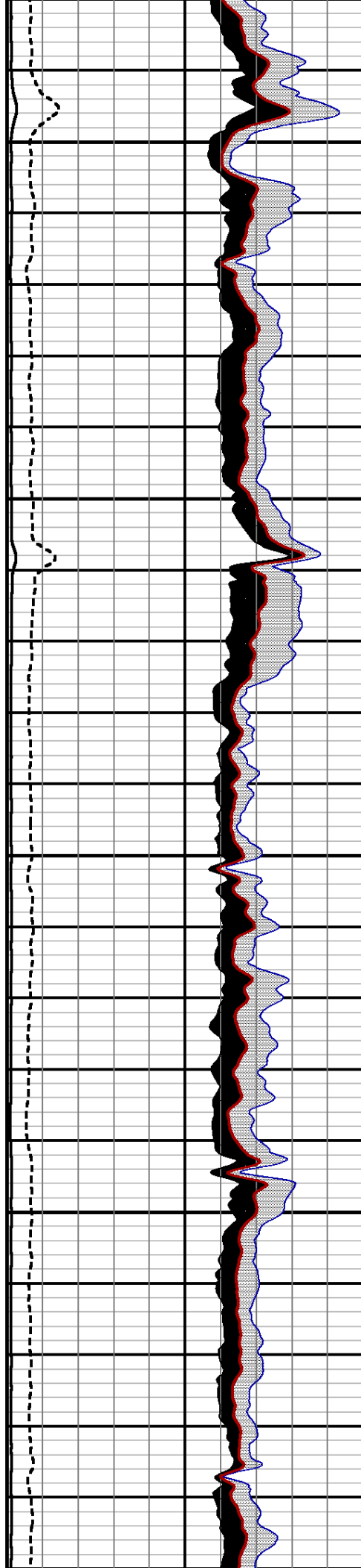
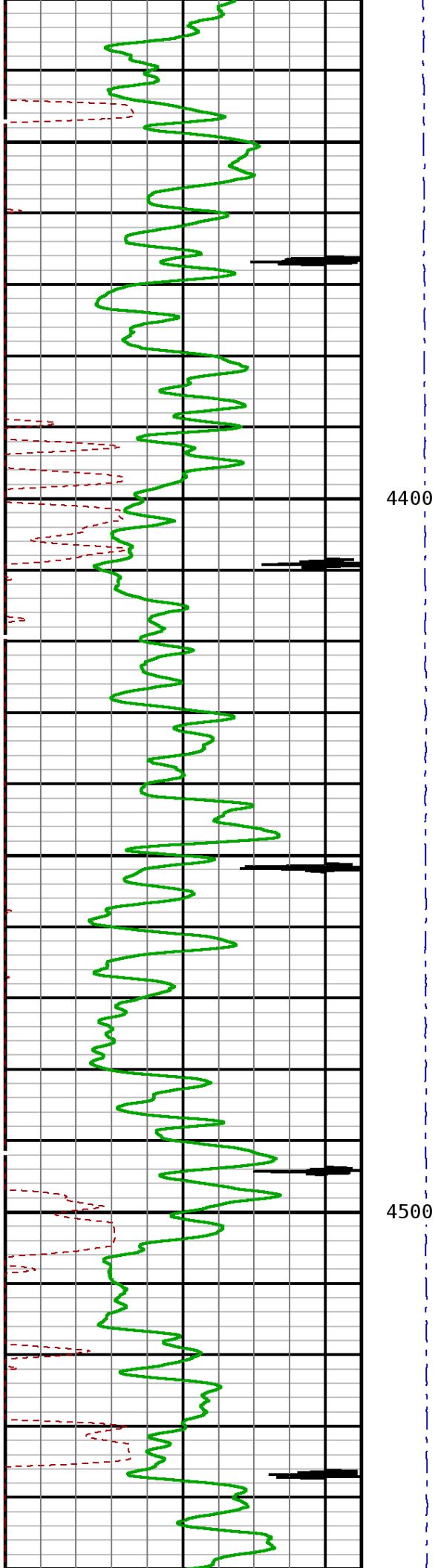


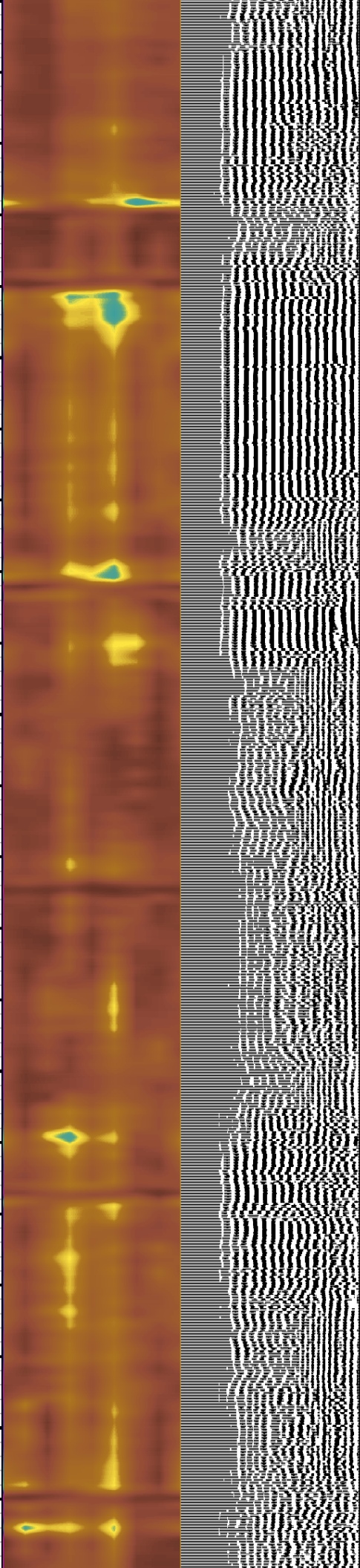
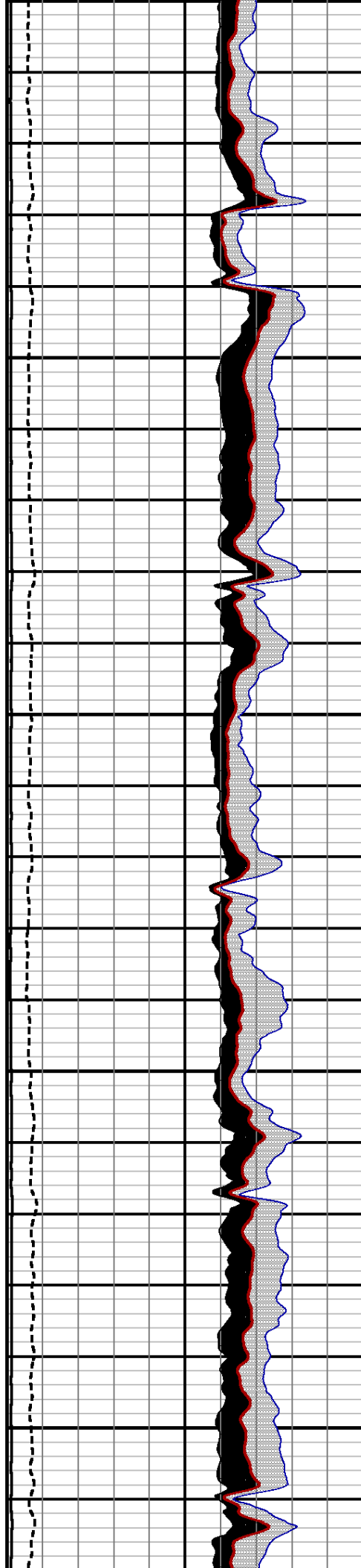
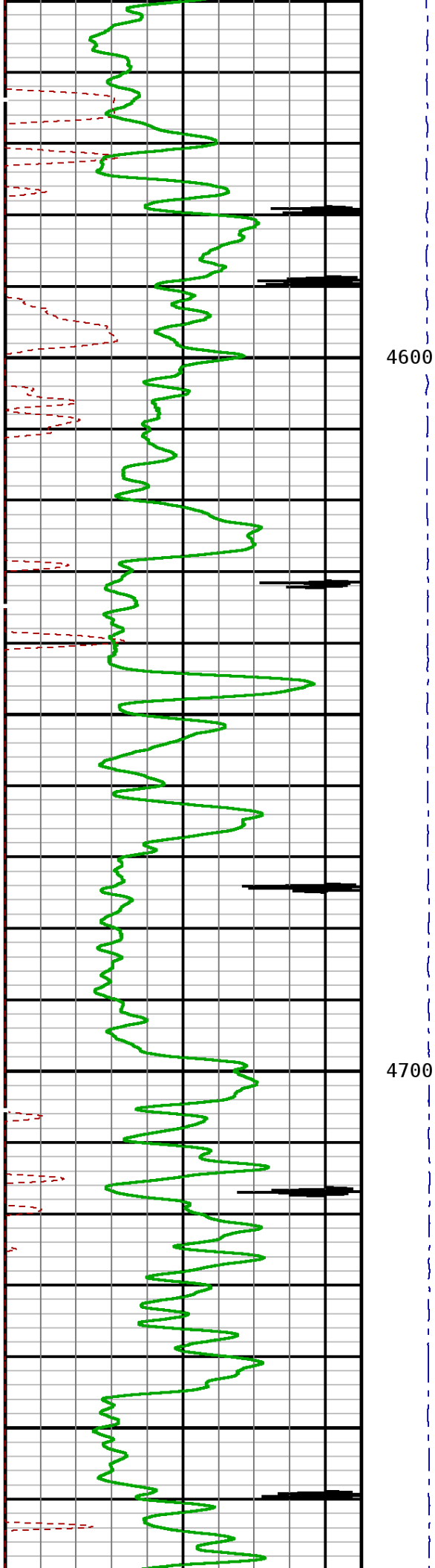


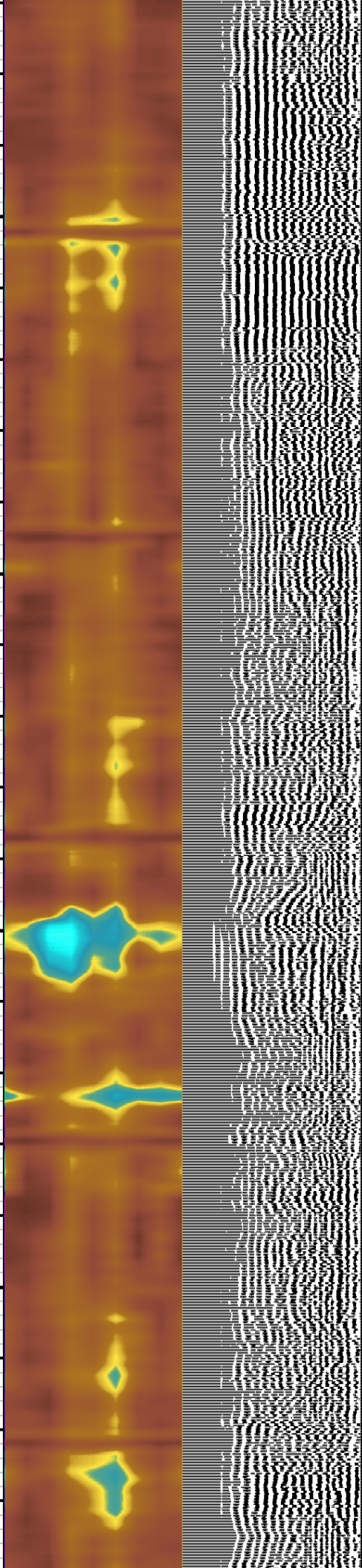
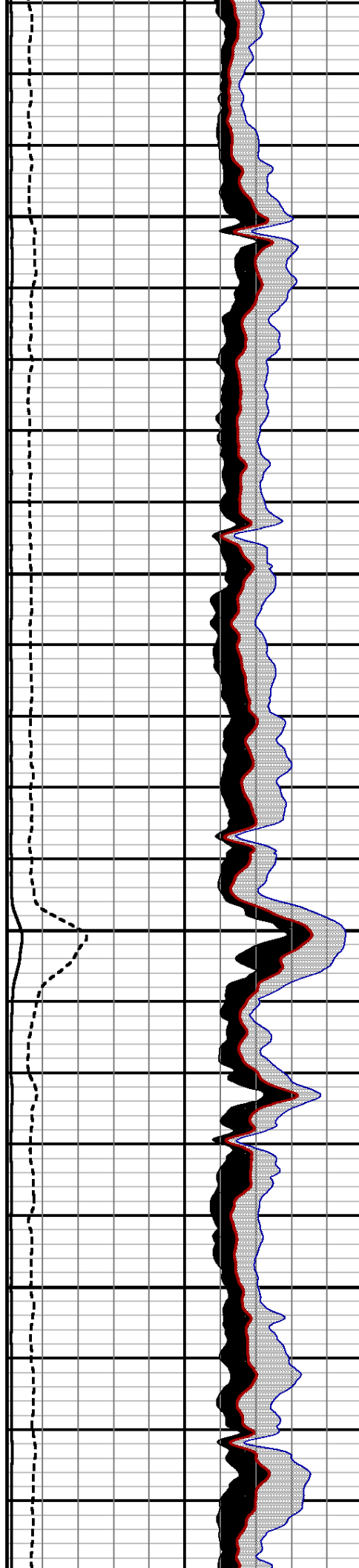
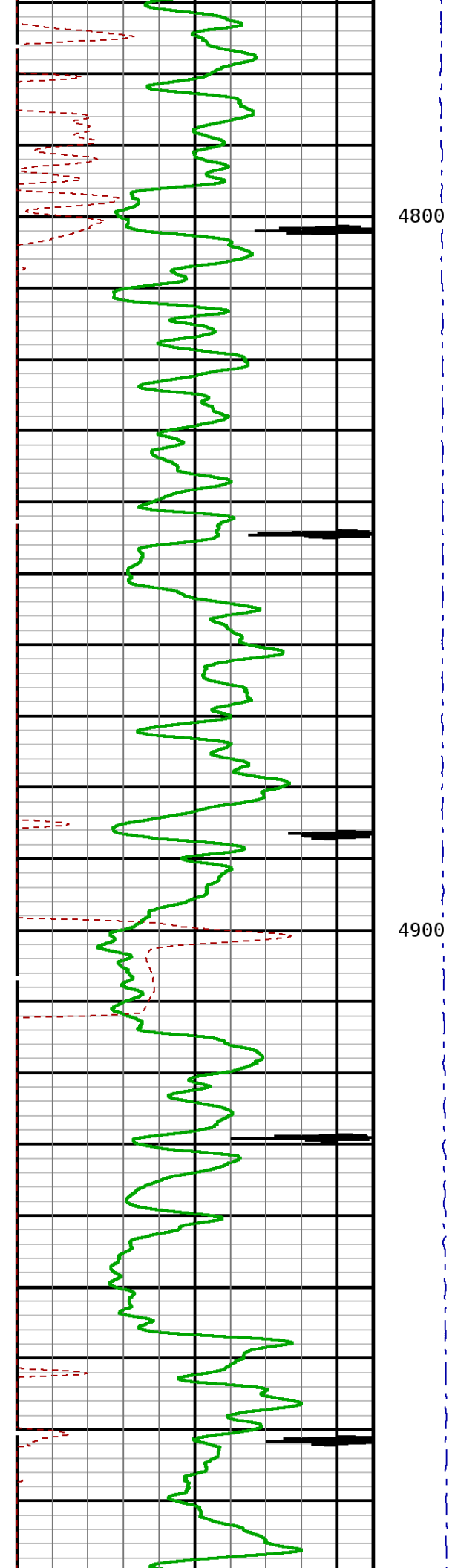
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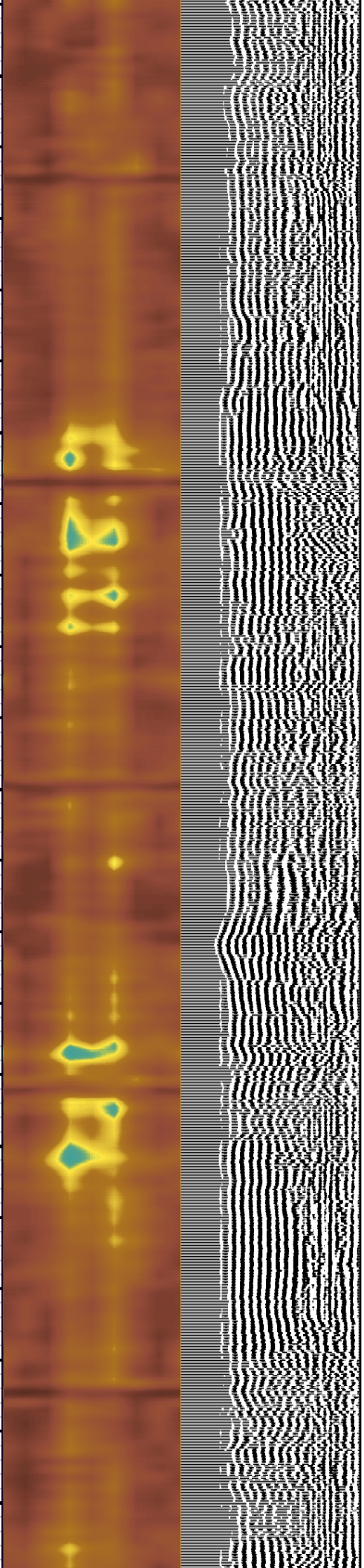
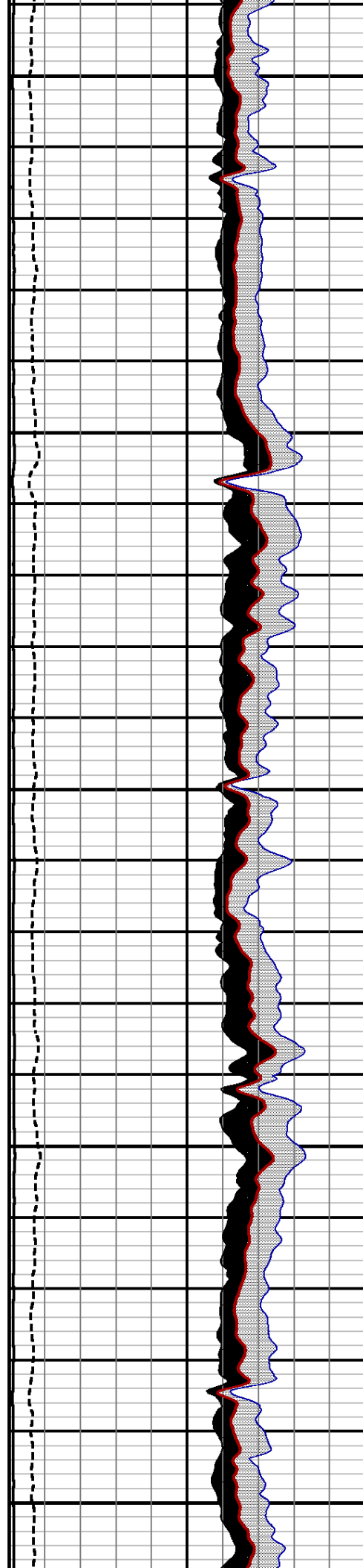
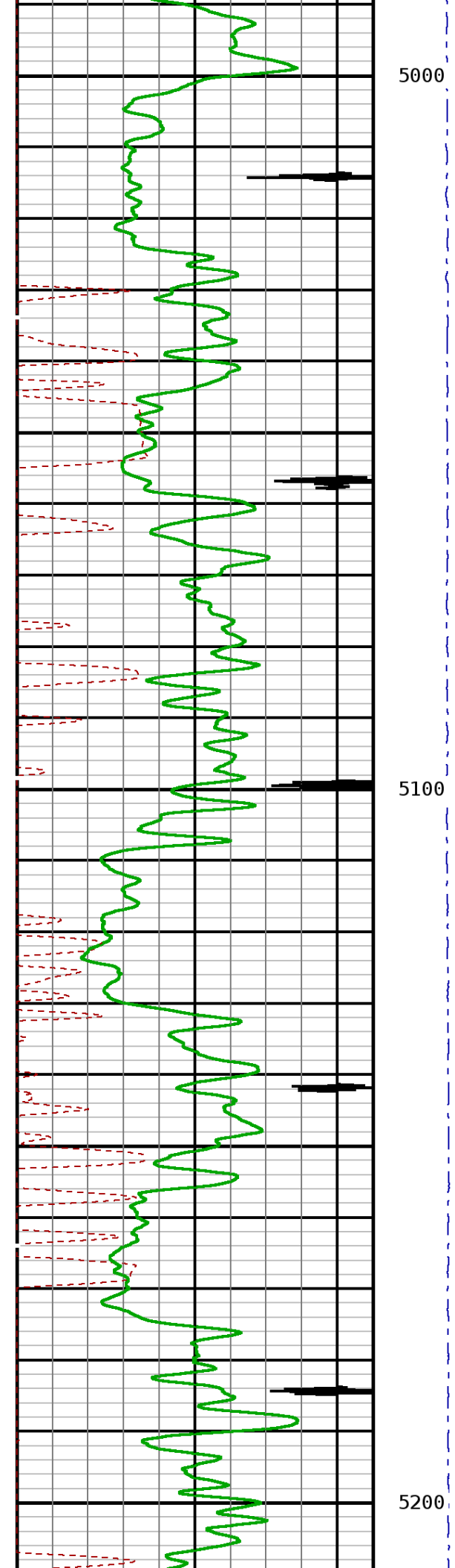
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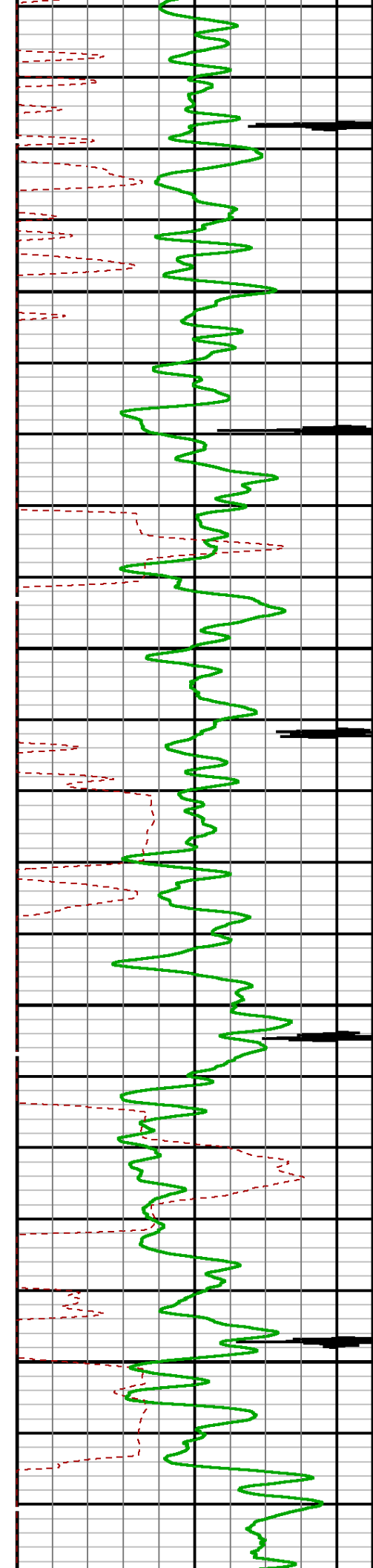






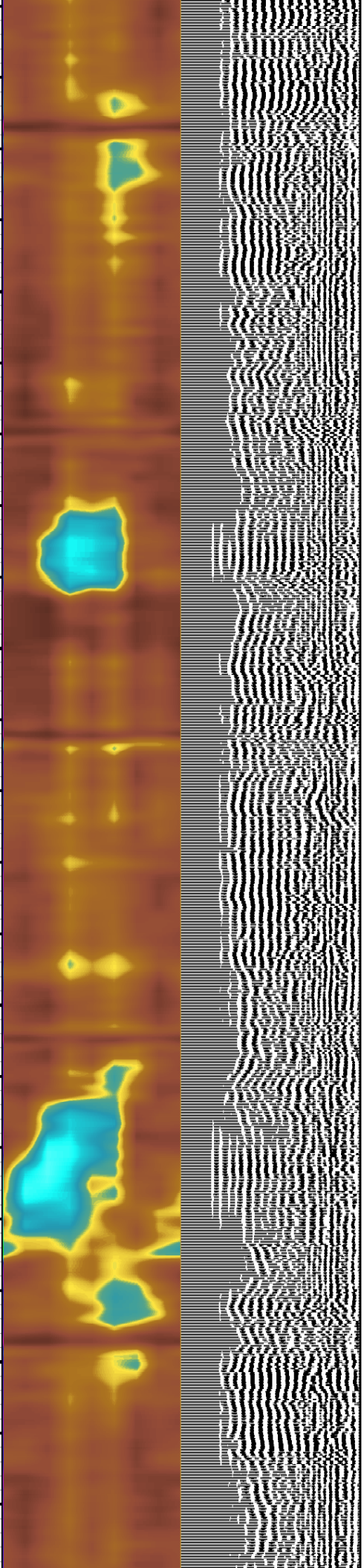
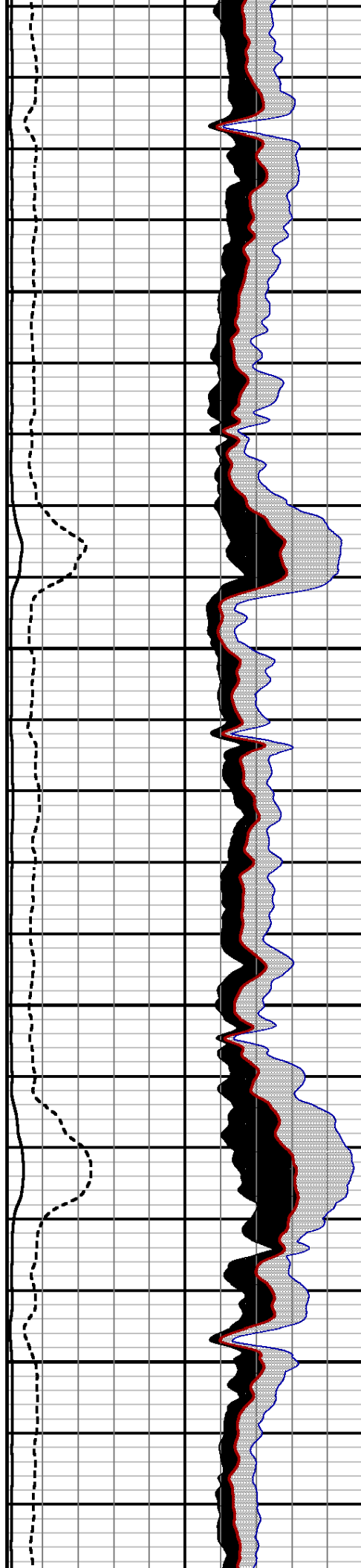


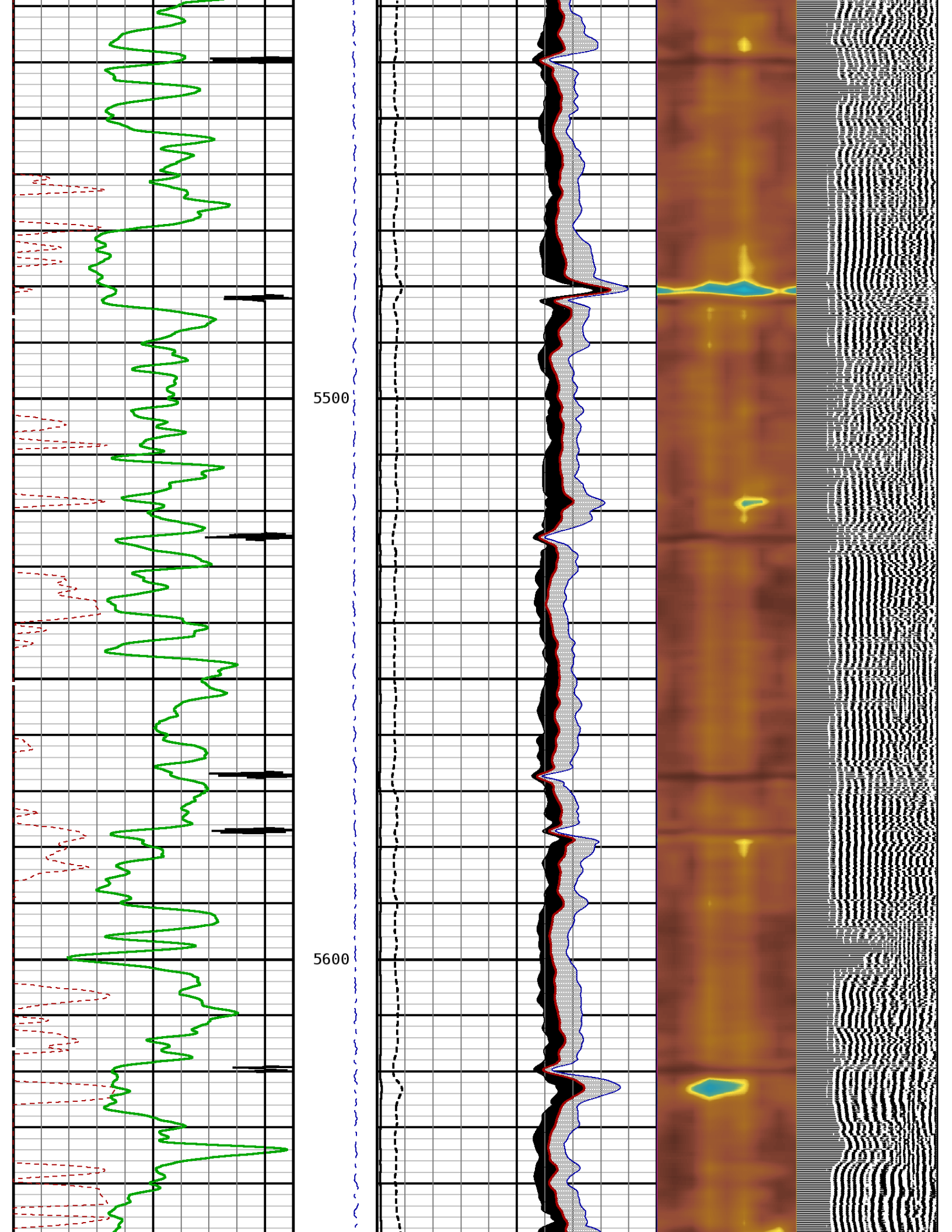


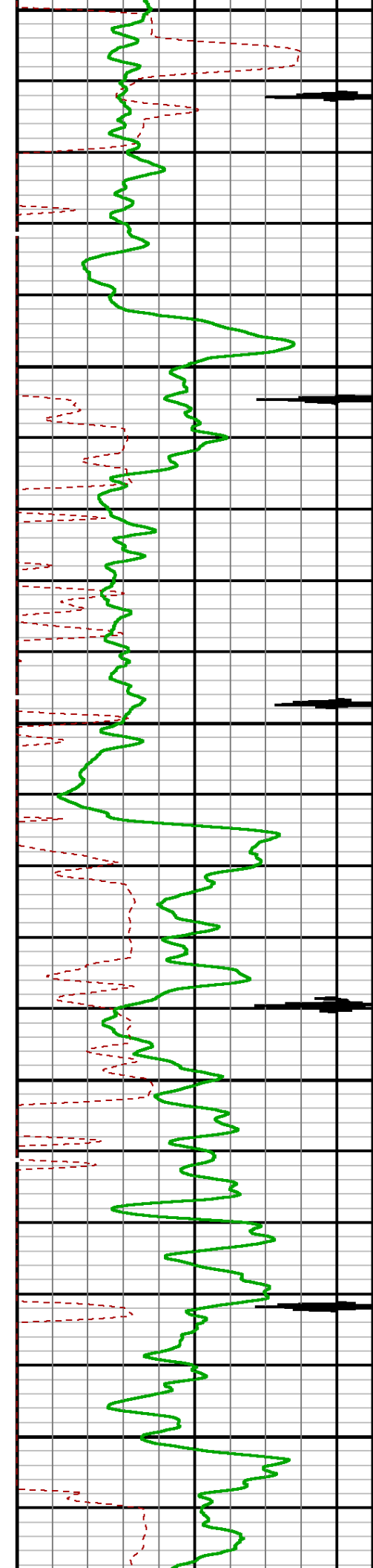


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5400

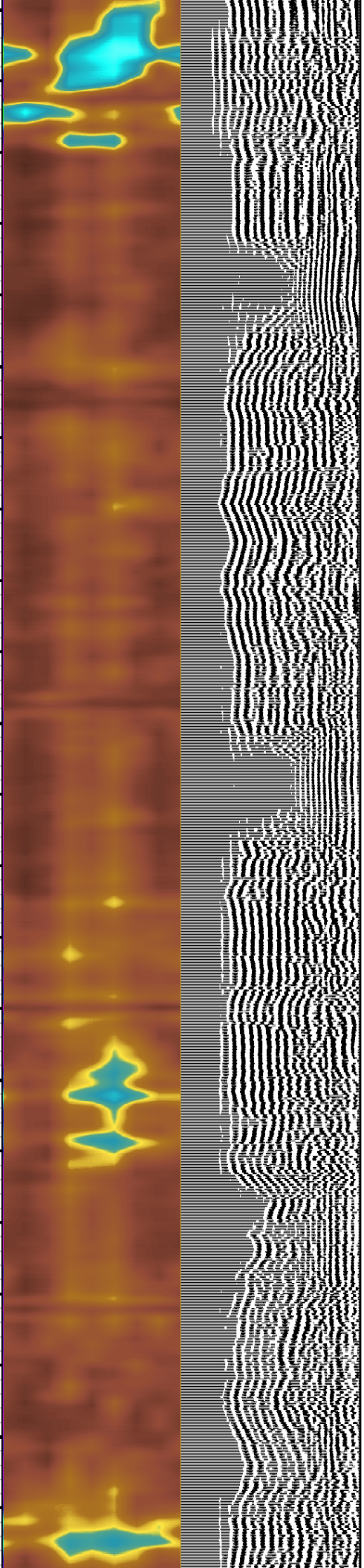
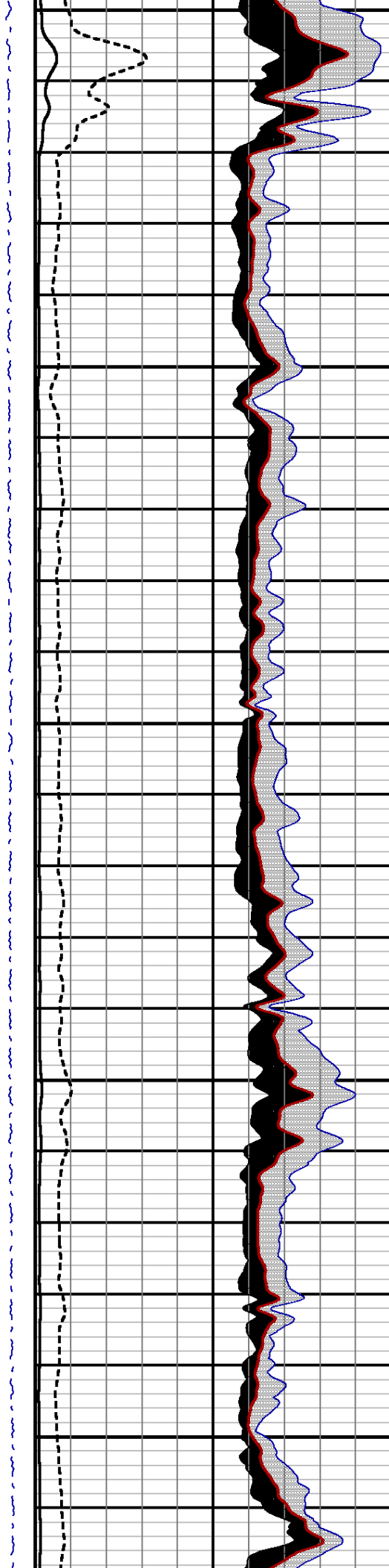


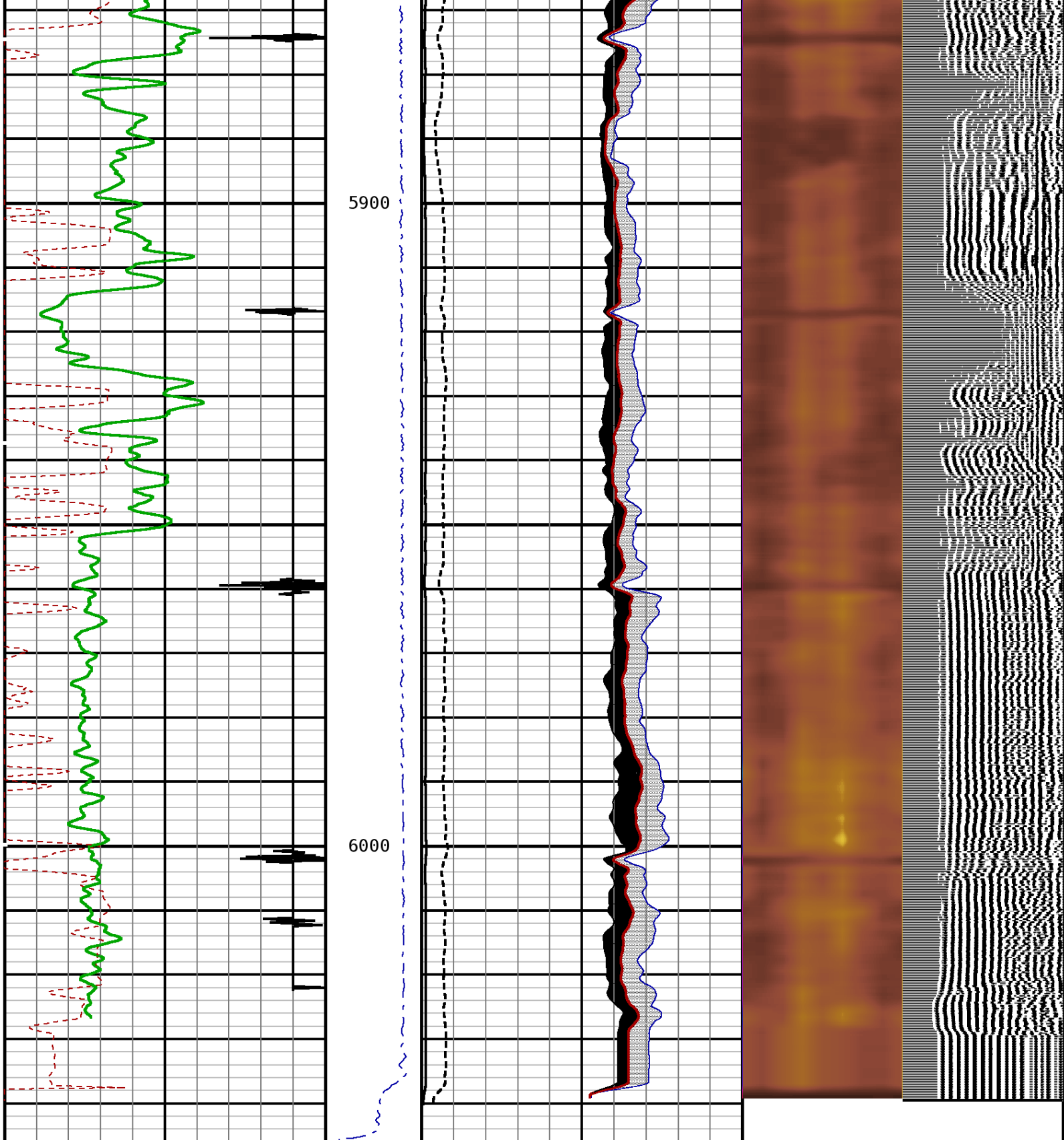




5700

5800





TRAVEL TIME 3FT			Tension		AMPLITUDE 3FT		MIN ENERGY		VARIABLE ENERG	VARIABLE DENSI	
312	Microseconds	212	0	2000	0	mv	100	0	mv	80	200 us 1200
GAMMA RAY			3' AMP X 5		AVG ENERGY		MAX ENERGY				
0	API	150			0	mv	20	0	mv	100	
CCL											
-3600	Millivolts	400									

START DEPTH: 6046.0 DIRECTION: UP DATE: 03/08/2015 TIME: 18:07 MODE: ORIGINAL

113040938 SBTMAIN

MAIN PASS

DEPTH SCALE: 5":100'

LOGGED VERSION: 2012.07.18.162"

DEPTH SCALE: 5":100'

PROCESSED VERSION: 2012.07.18.162"

REPEAT PASS

113040938 SBTREPEAT

FINISH DEPTH: 5778.1 Feet DIRECTION: UP DATE: 03/08/2015 TIME: 18:14 MODE: ORIGINAL

CCL

-3600 Millivolts 400

GAMMA RAY

0 API 150

TRAVEL TIME 3FT

312 Microseconds 212

MAX ENERGY

0 mv 100

AVG ENERGY

0 mv 100

Tension

0 2000

3' AMP X 5

0 mv 20

AMPLITUDE 3FT

0 mv 100

MIN ENERGY

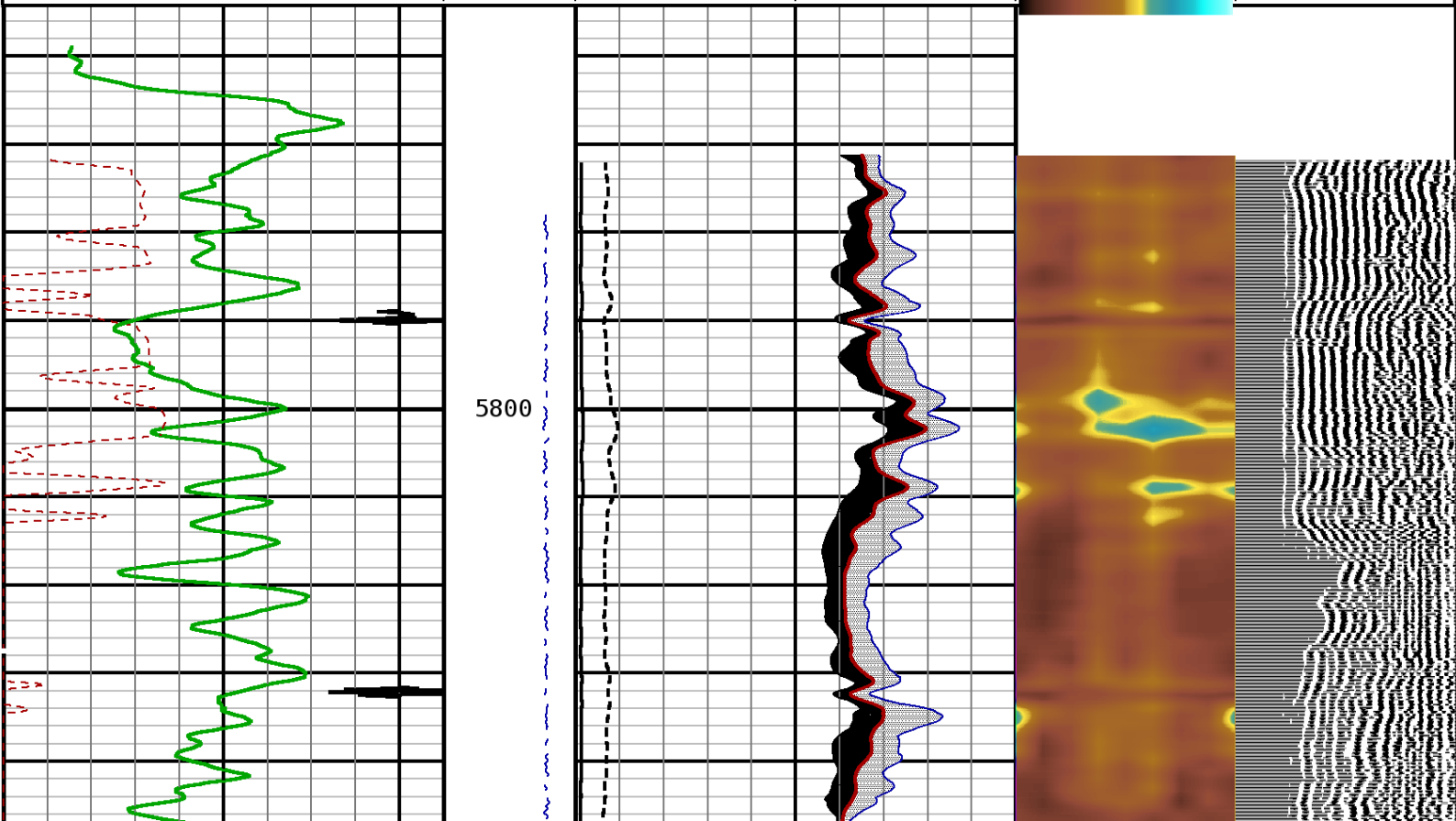
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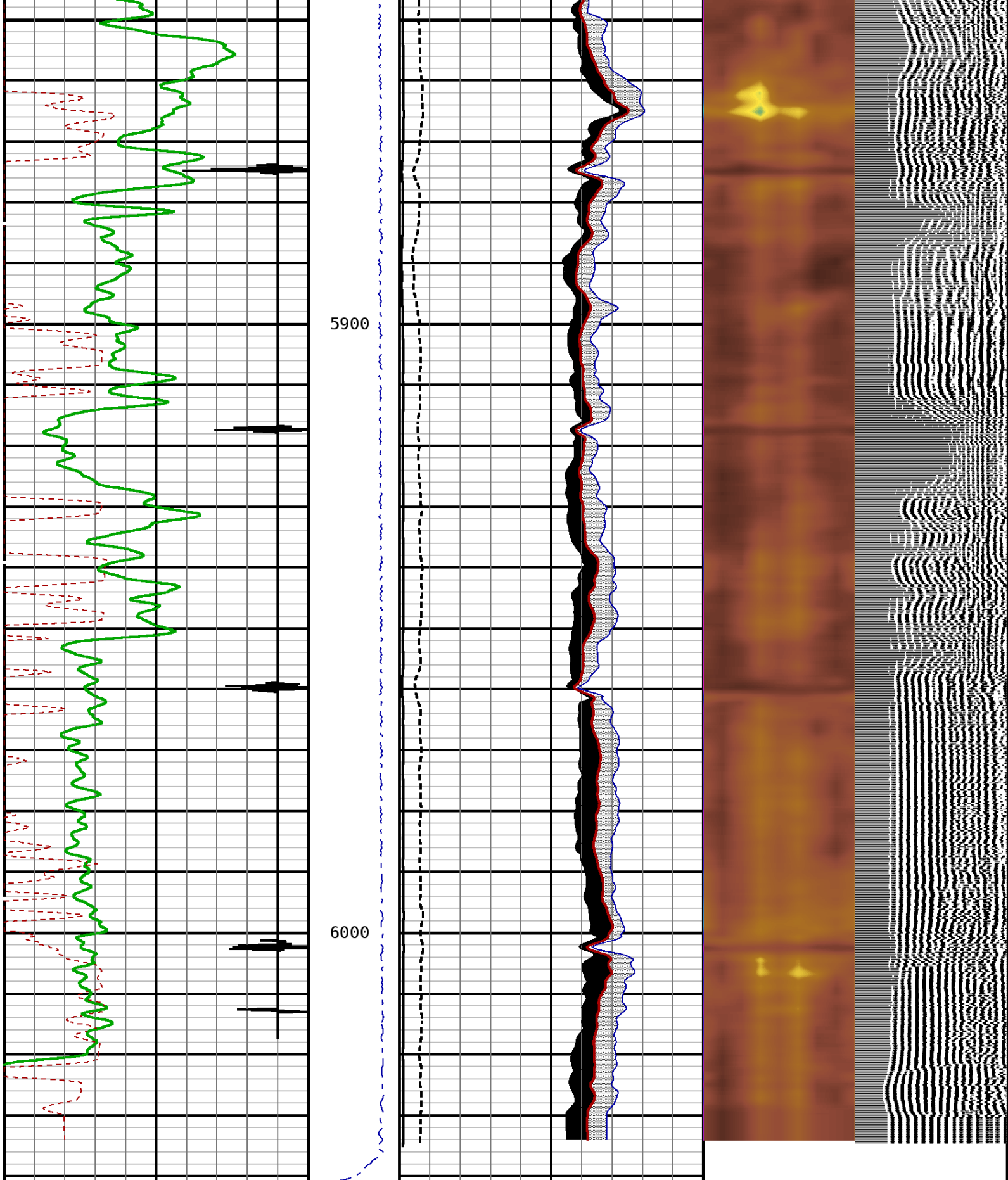
VARIABLE ENERG

0 mv 80

VARIABLE DENSI

200 us 1200





TRAVEL TIME 3FT			Tension		AMPLITUDE 3FT		MIN ENERGY		VARIABLE ENERGY		VARIABLE DENSI					
312	Microseconds	212	0	2000	0	mv	100	0	mv	100	0	mv	80	200	us	1200
GAMMA RAY					3' AMP X 5		AVG ENERGY									
0	API	150			0	mv	20	0	mv	100						

CCL

-3600

Millivolts

400

MAX ENERGY

0

mv

100

START DEPTH: **6040.9** DIRECTION: **UP** DATE: **03/08/2015** TIME: **18:14** MODE: **ORIGINAL**

113040938 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 1.44 IN.

Total Stack Weight 223.0 LBS. in air
Total Stack Length 27.83 FT.

Slim Hole Centralizer

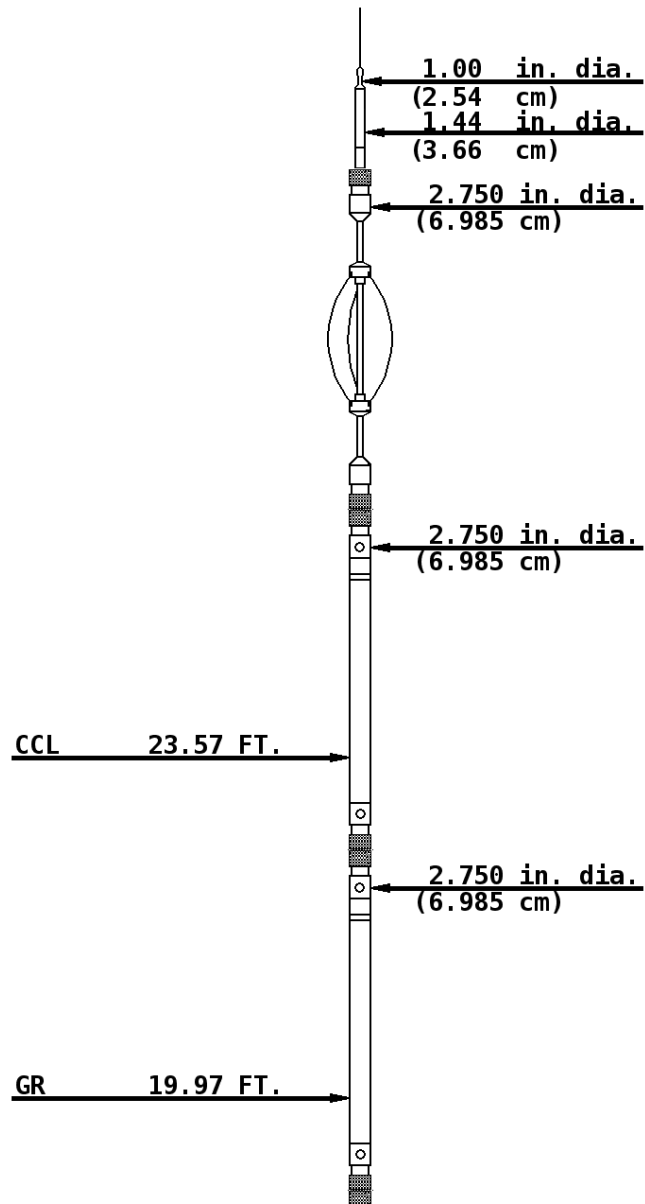
Weight 15 lbs
Length 2.49 FT.
Max. Diameter 2.750 IN.

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.

SBT/CBL Tx 8.75 FT.

SBT Rx 7.77 FT.

3' Rx 7.28 FT.

5' Rx 6.28 FT.

Tool Zero

2.750 in. dia.
(6.985 cm)

2.750 in. dia.
(6.985 cm)

2.750 in. dia.
(6.985 cm)

COMPANY URSA OPERATING COMPANY

WELL BAT 34C-24-07-96

FIELD BATTLEMENT MESA

COUNTY GARFIELD

STATE COLORADO



Weatherford®

