Weatherford®

COMPANY URSA OPERATING COMPANY
WELL CSF 44C-09-07-91
FIELD CASTLE SPRINGS
CNTY GARFIELD STATE CO

COMPANY URSA OPERATING
WELL CSF 44C-09-07-
FIELD CASTLE SPRINGS
COUNTY GARFIELD

LOCATION:
SHL 1448' FSL & 2506'
API# 05-045-22415
SEC. 9 TWP. 7S

PERM. DATUM GROUND LEVEL ELI
LOG MEASURED FROM K.B.15.4 FT. ABOVE PEI
DRILLING MEASURED FROM KELLY BUSHING

DATE	05-AUG-2014	
RUN NO.	ONE	
DEPTH DRILLER	7968'	
DEPTH LOGGER	7921'	
BTM. LOG INTERVAL	7915'	
TOP LOG INTERVAL	800'	
OPEN HOLE SIZE	7.875"	
TYPE FLUID	WATER	
DENS. | VISC.	N/A	N/A
MAX. REC. TEMP. `F	180	
EST. CEMENT TOP	SEE LOG	
TIME WELL READY	ROA	
TIME LOGGER ON BTM.	SEE LOG	
EQUIP. NO.	14247	
LOCATION	FARMINGTON	
RECORDED BY	C.CALIENDO	
WITNESSED BY	D. COOLEY	

BOREHOLE RECORD

RUN NO.	BIT	FROM	TO	SI

CASING RECORD	SIZE	WT/FT	GRADE	TY
SURFACE STRING	8-5/8"			
PROT. STRING				
PROD. STRING	4.5"	10.5		
LINER				

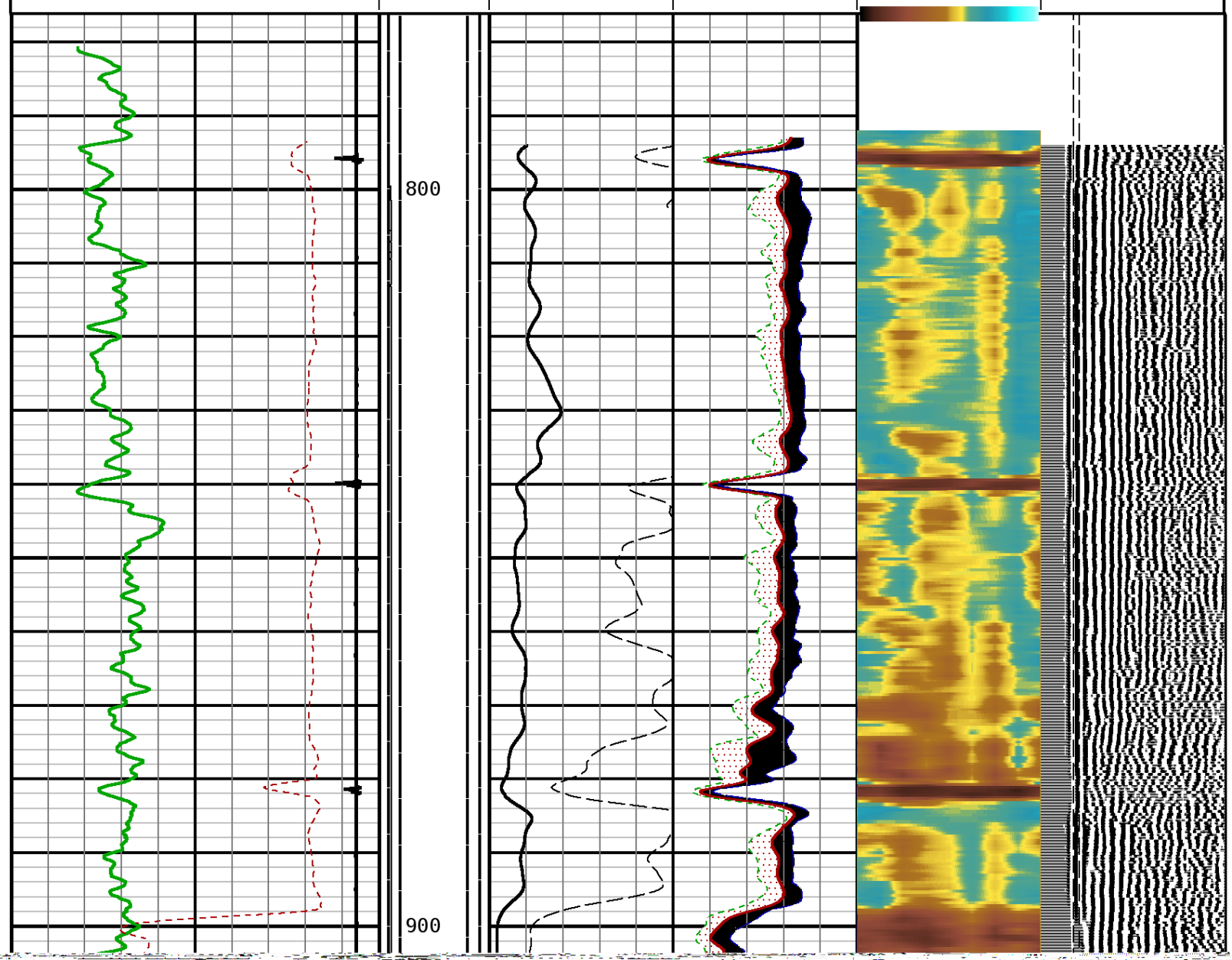
DEPTH SCALE: **5":100'** PROCESSED VERSION: **2012.07.18.162"**

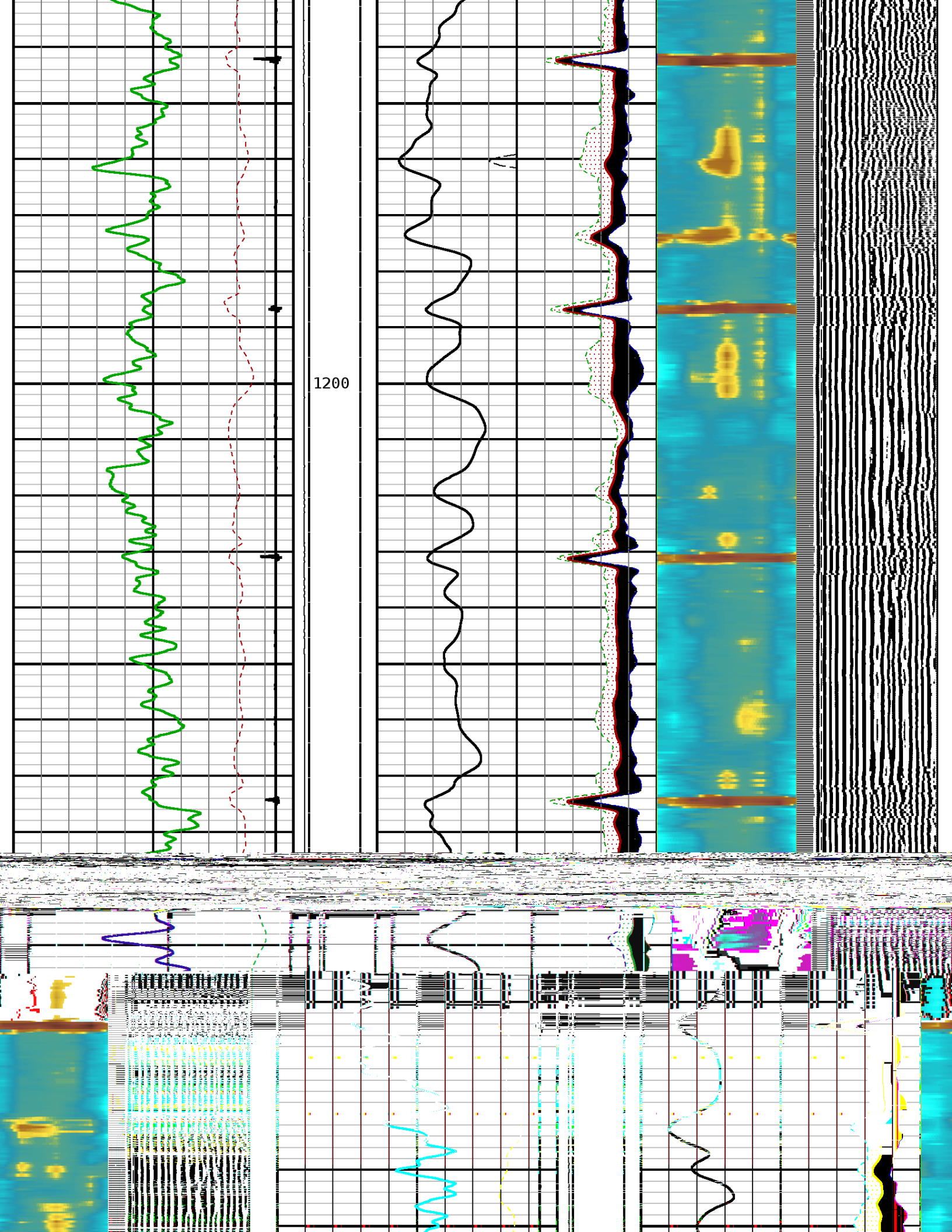
MAIN PASS

94377658 SBTMF

FINISH DEPTH: **799.5** Feet DIRECTION: **UP** DATE: **08/05/2014** TIME: **10:09** MODE: **ORIGINAL**
RECOMPUTED DATE: **08/05/2014** TIME: **10:09**

Collar Locator			MAX ENERGY		FREE PIPE GATE
-1800 Millivolts 120			0 mv 100		200 us 1200
Gamma Ray		AMPLITUDE 3FT	AVG ENERGY		FREE PIPE GATE
0 API 200		0 mv 20	0 mv 100		200 us 1200
TRAVEL TIME 3FT	Tension	AMPLITUDE 3FT	MIN ENERGY	VARIABLE ENERG	VARIABLE DENSI
305 Microseconds 205	0 3000	0 mv 100	0 mv 100	0 mv 80	200 us 1200

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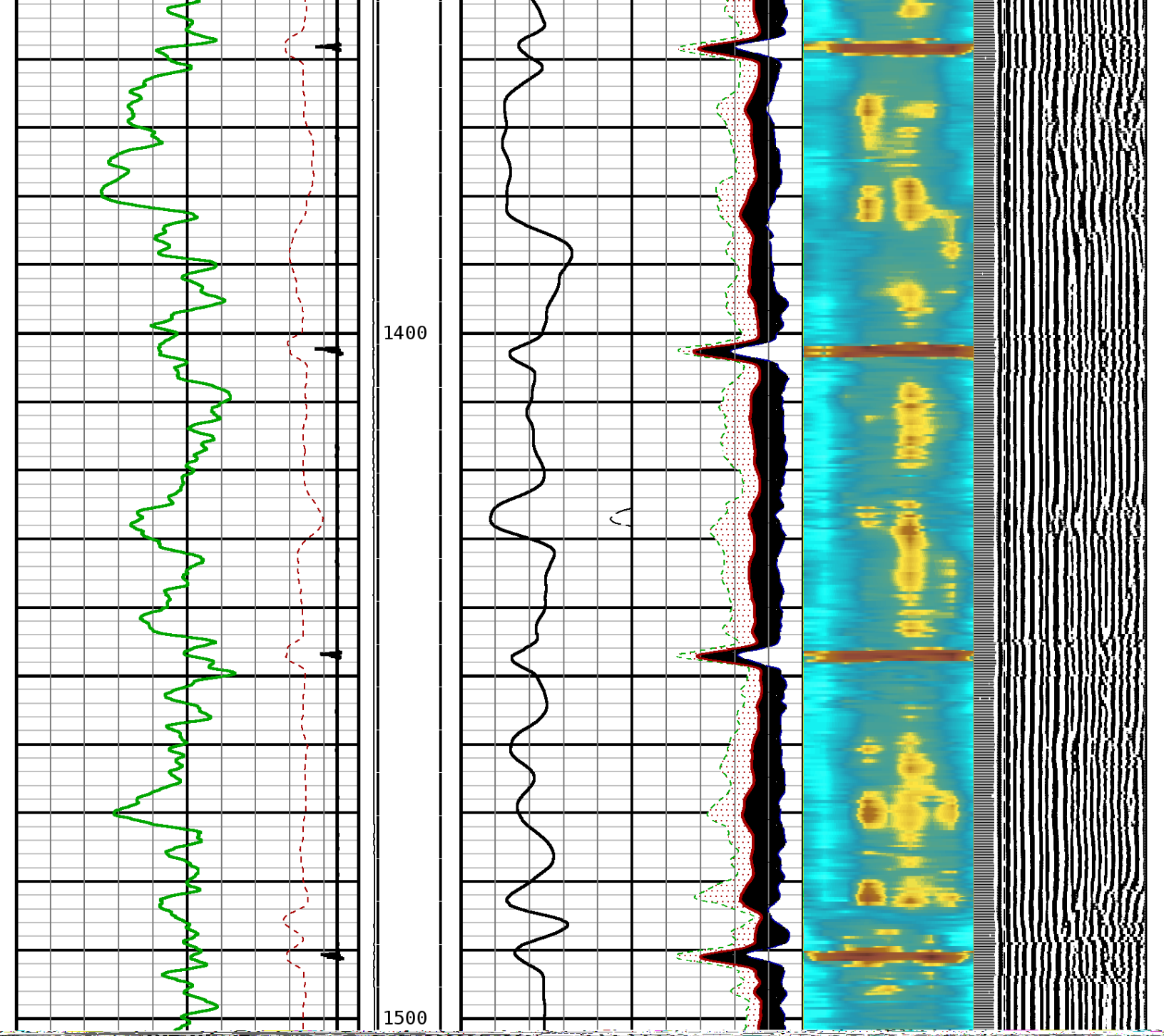
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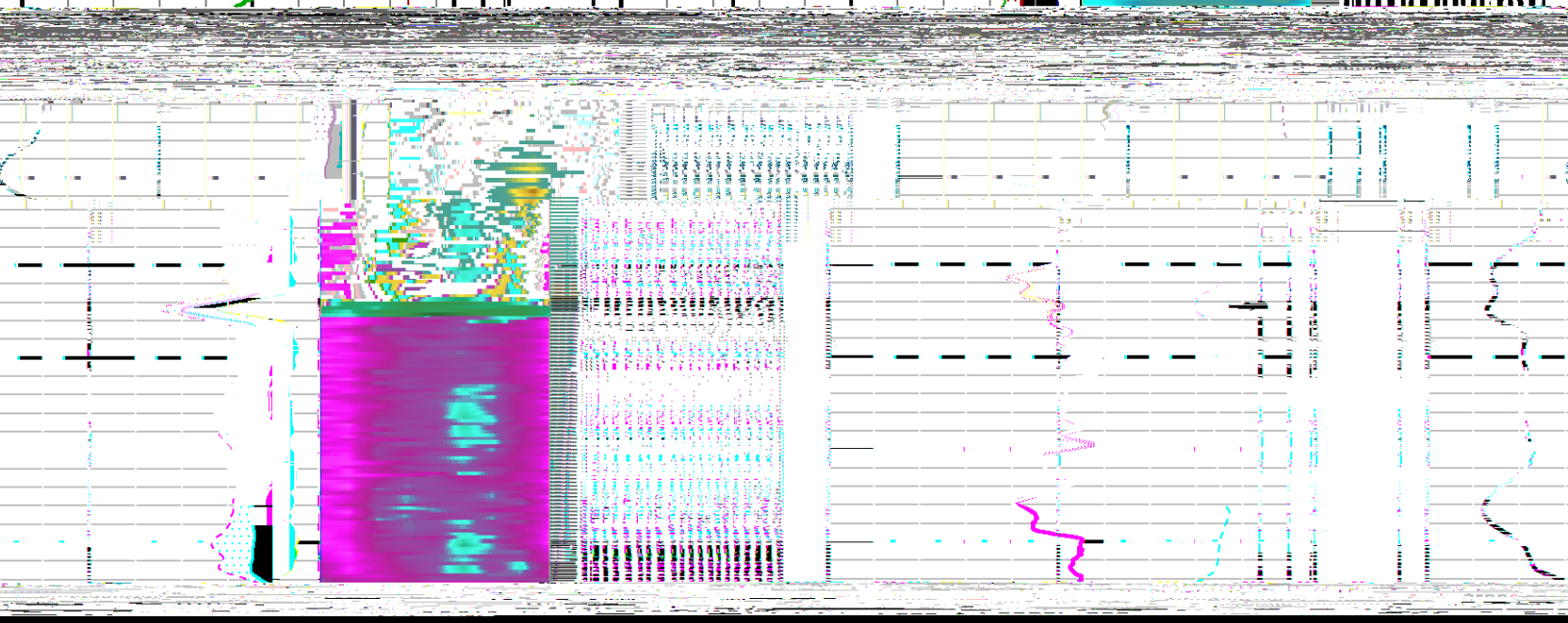

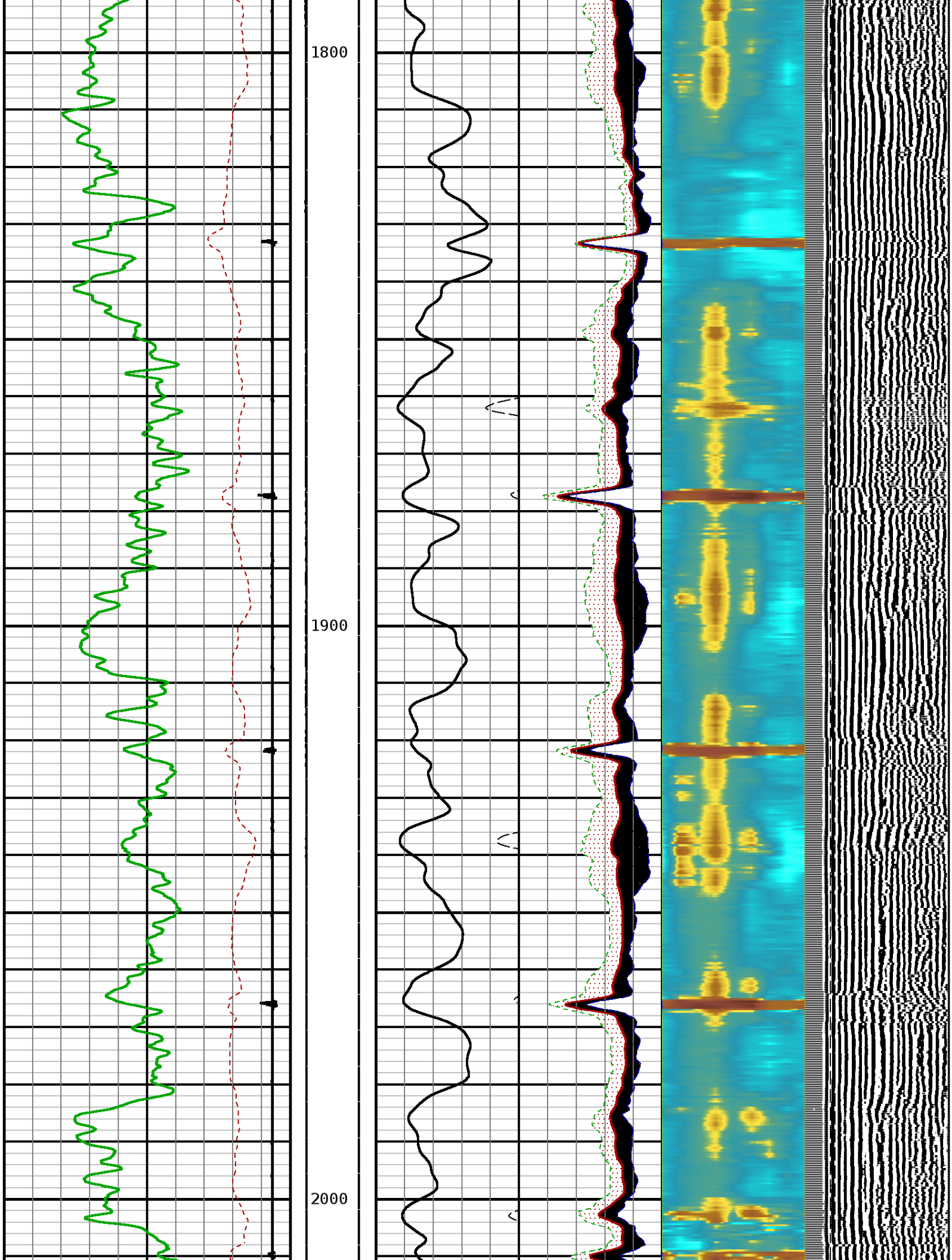
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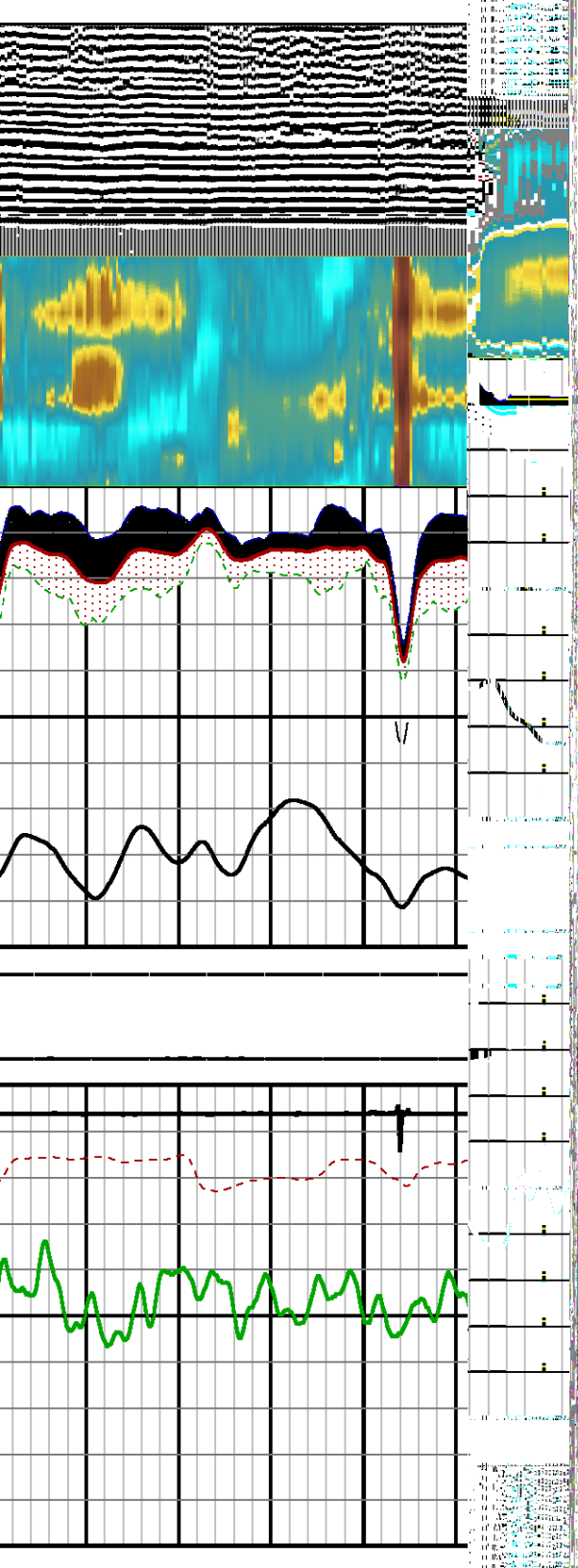

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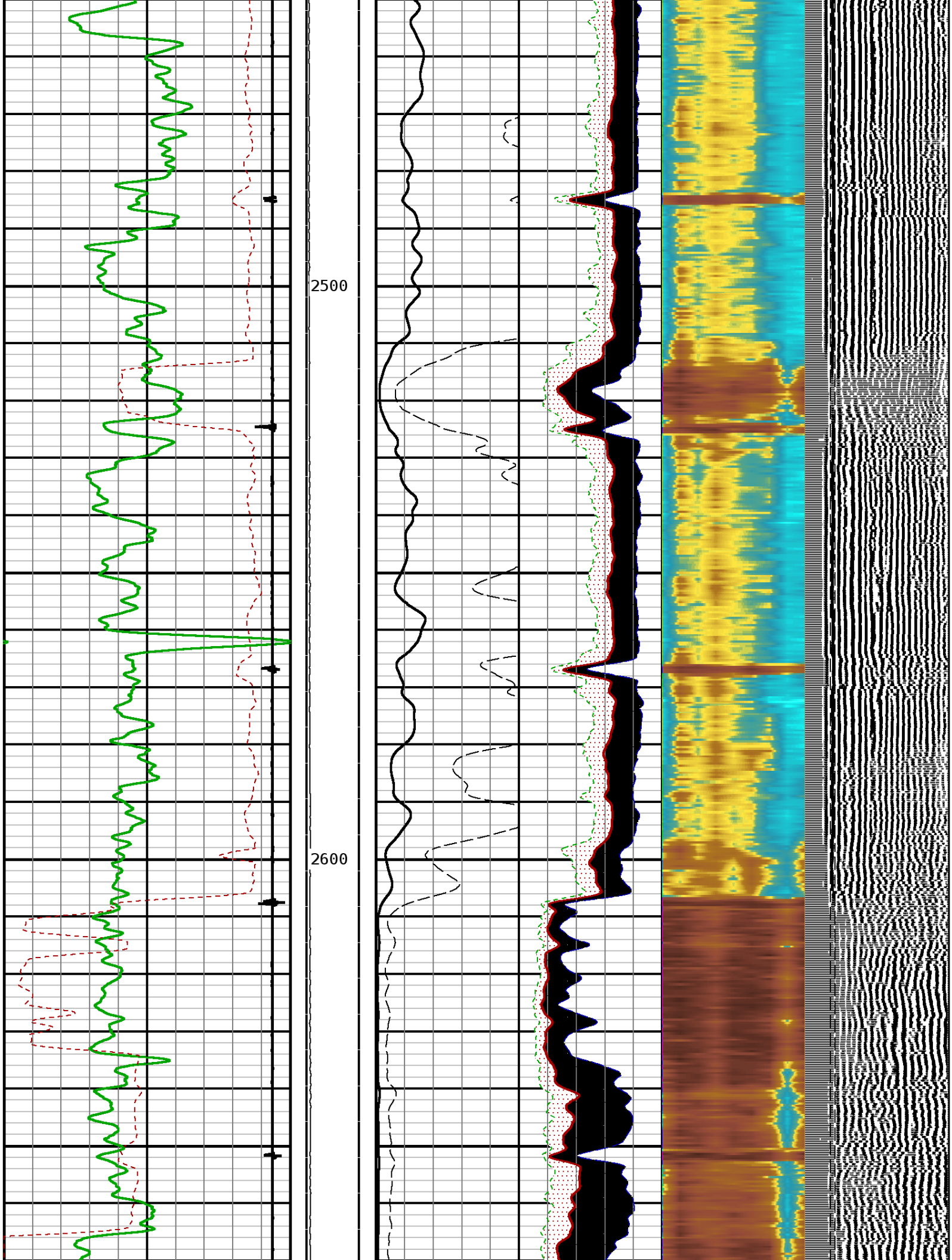
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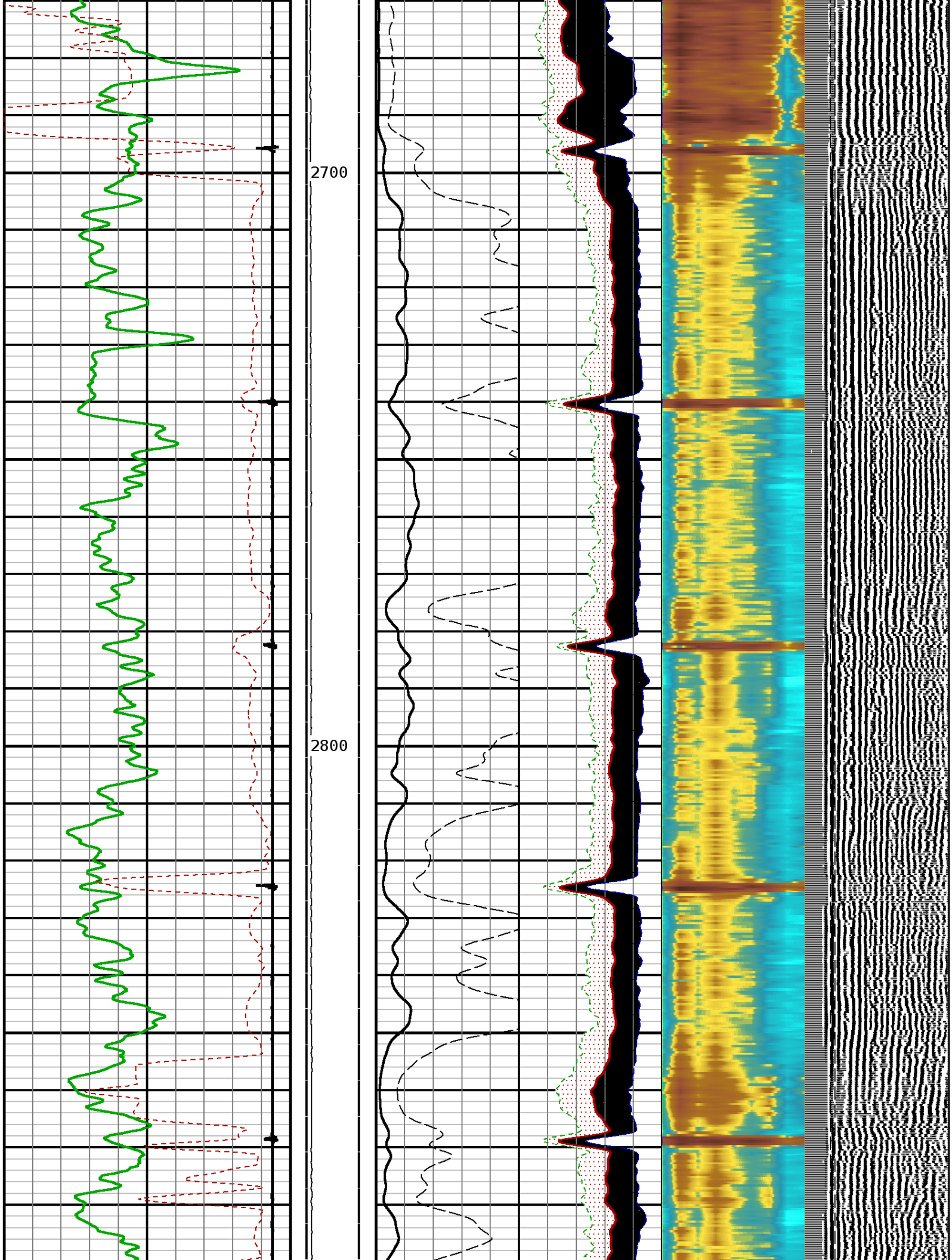
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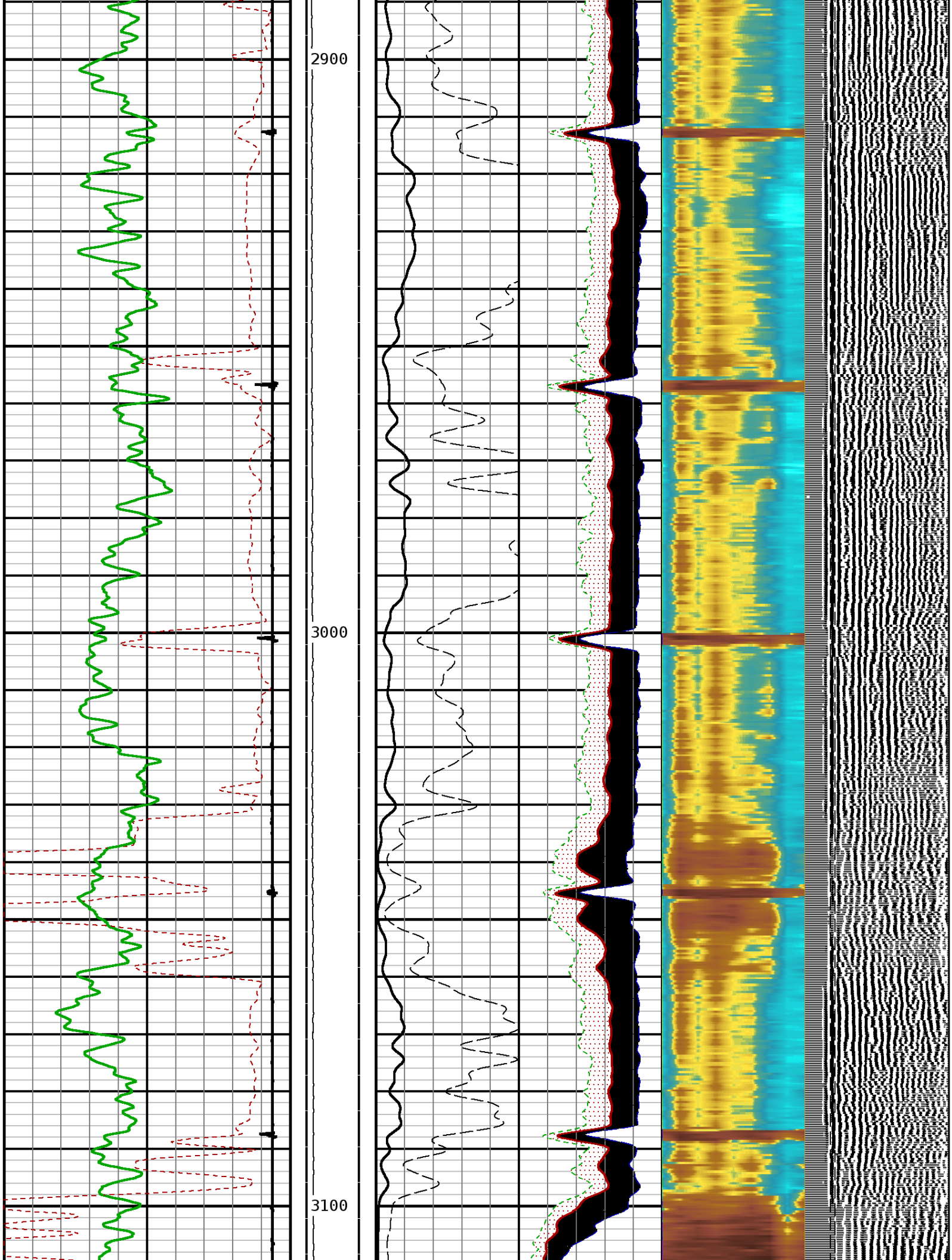
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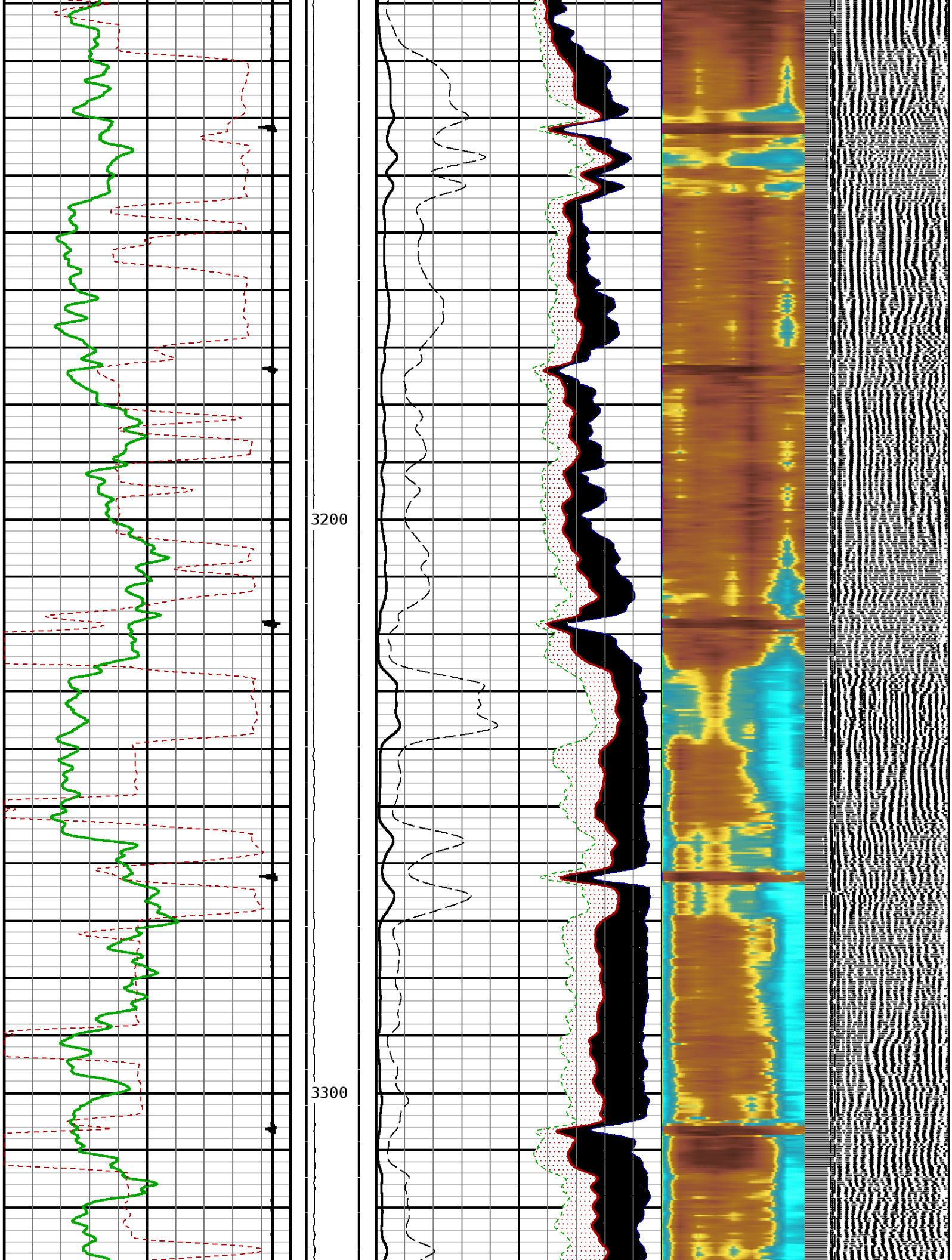
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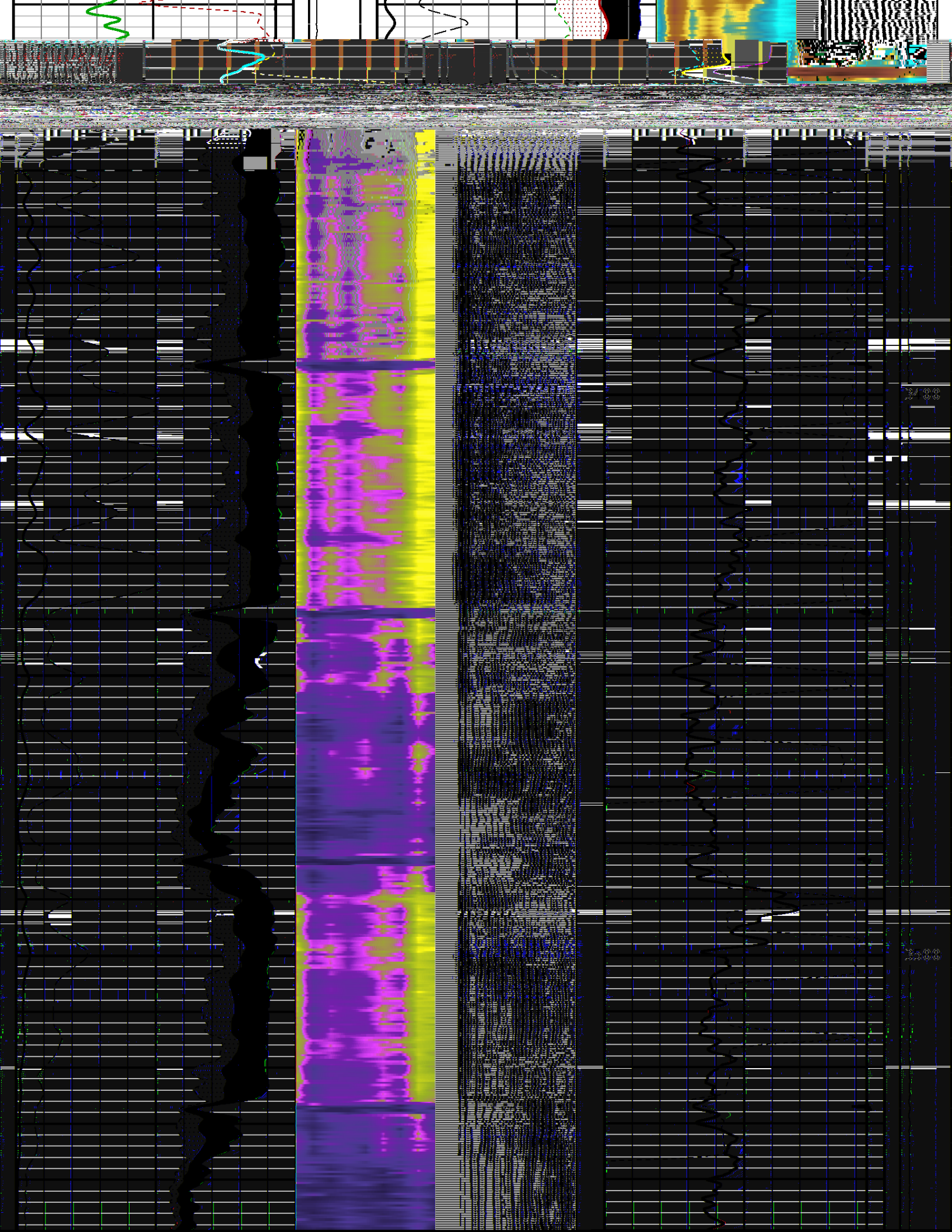

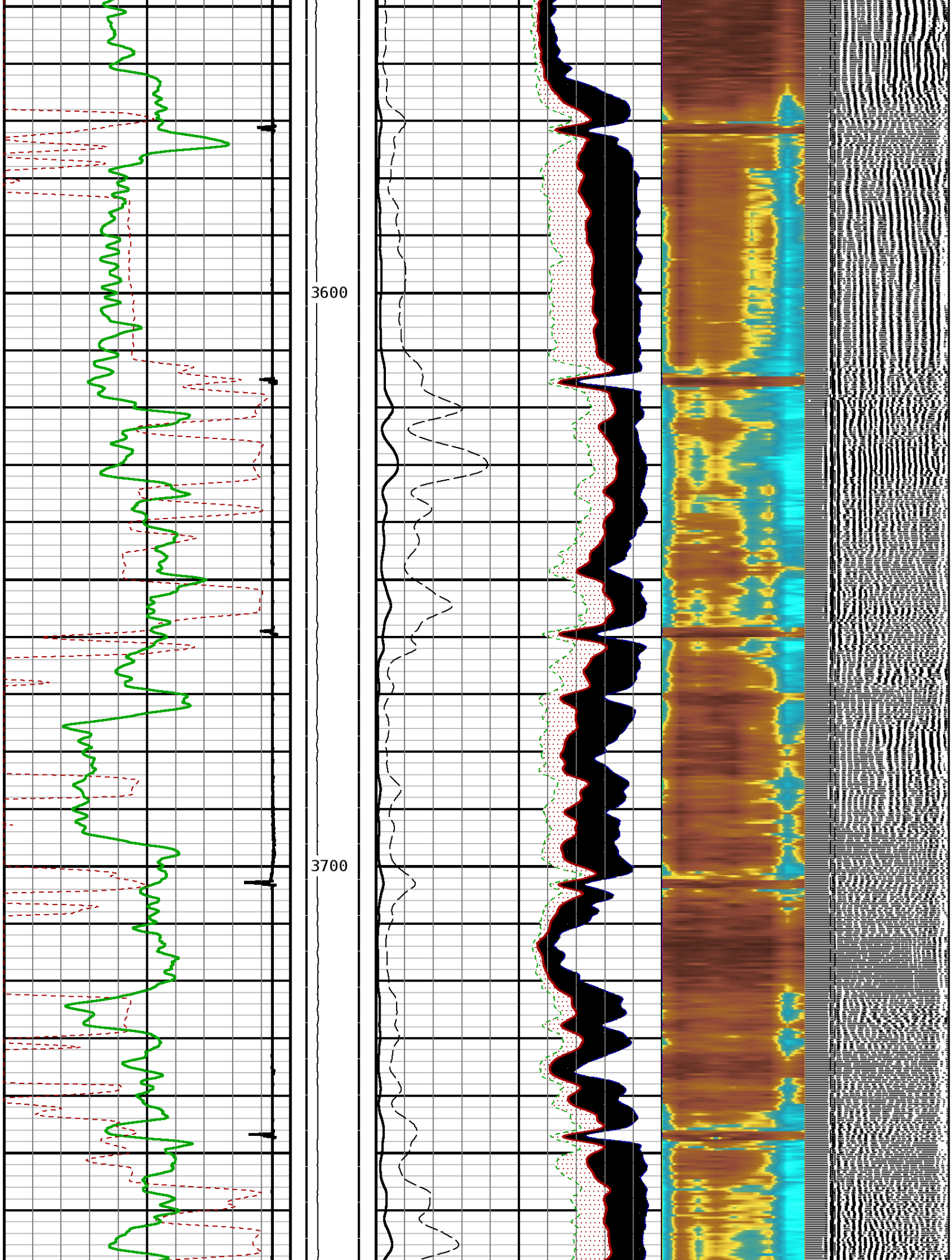
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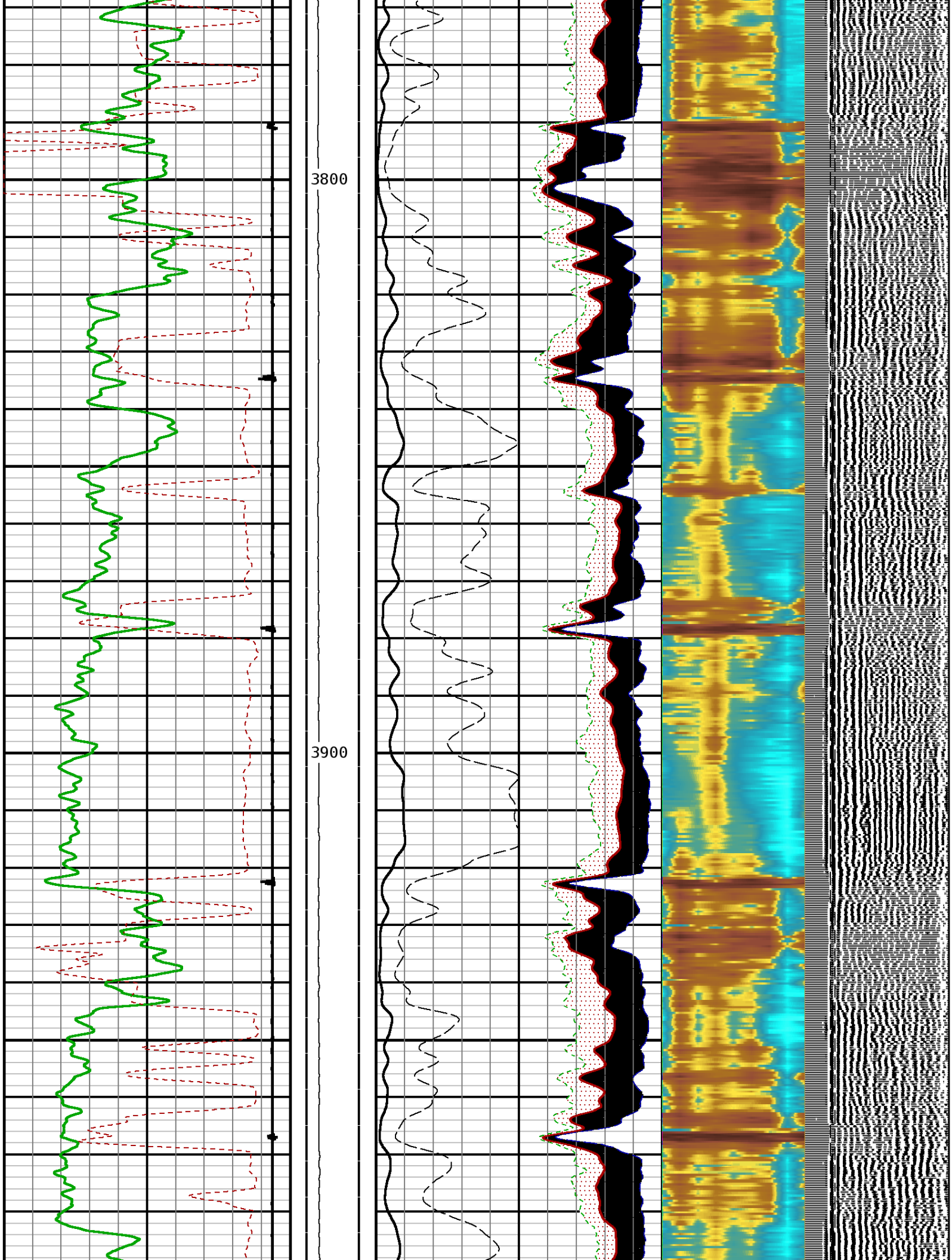
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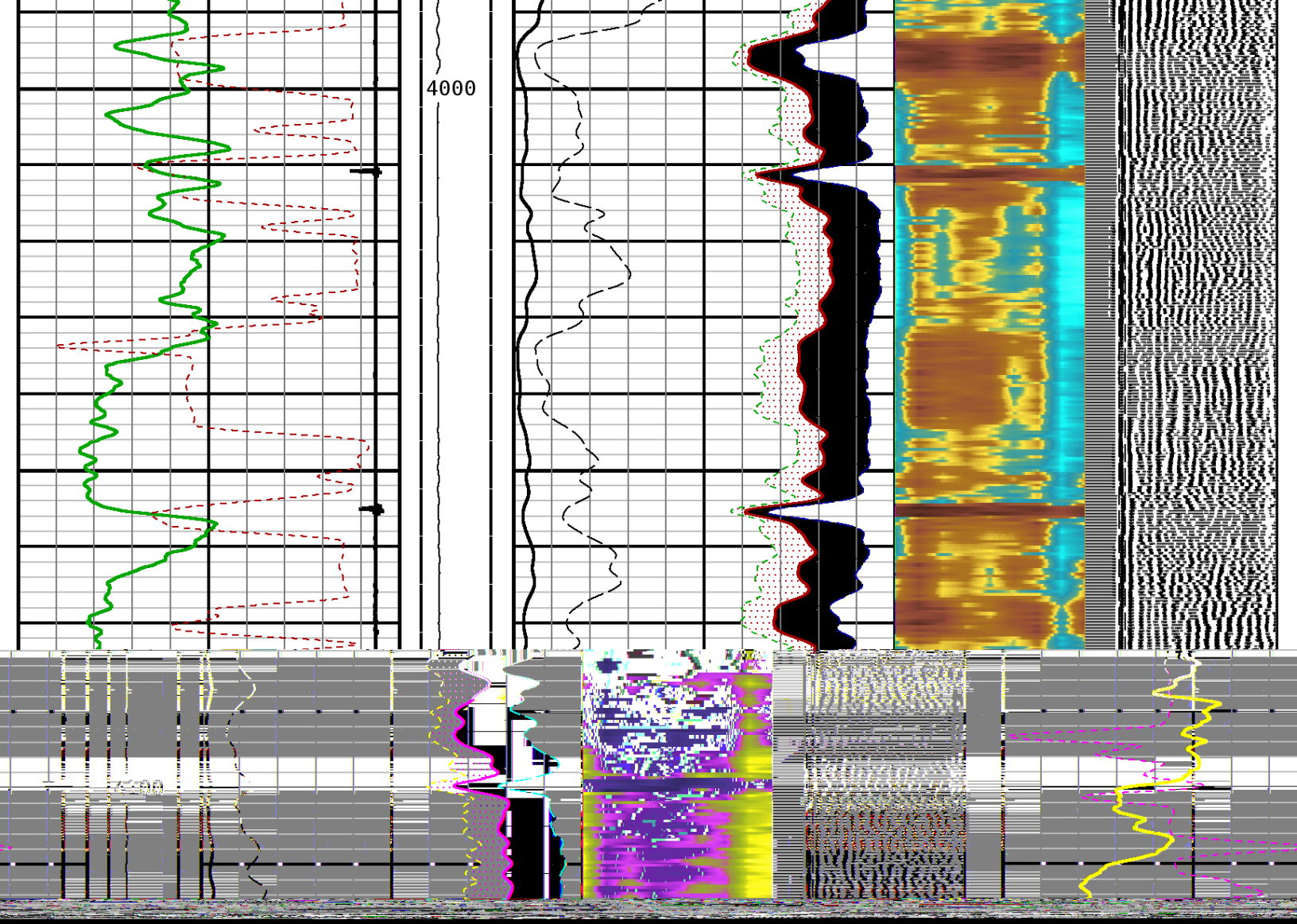
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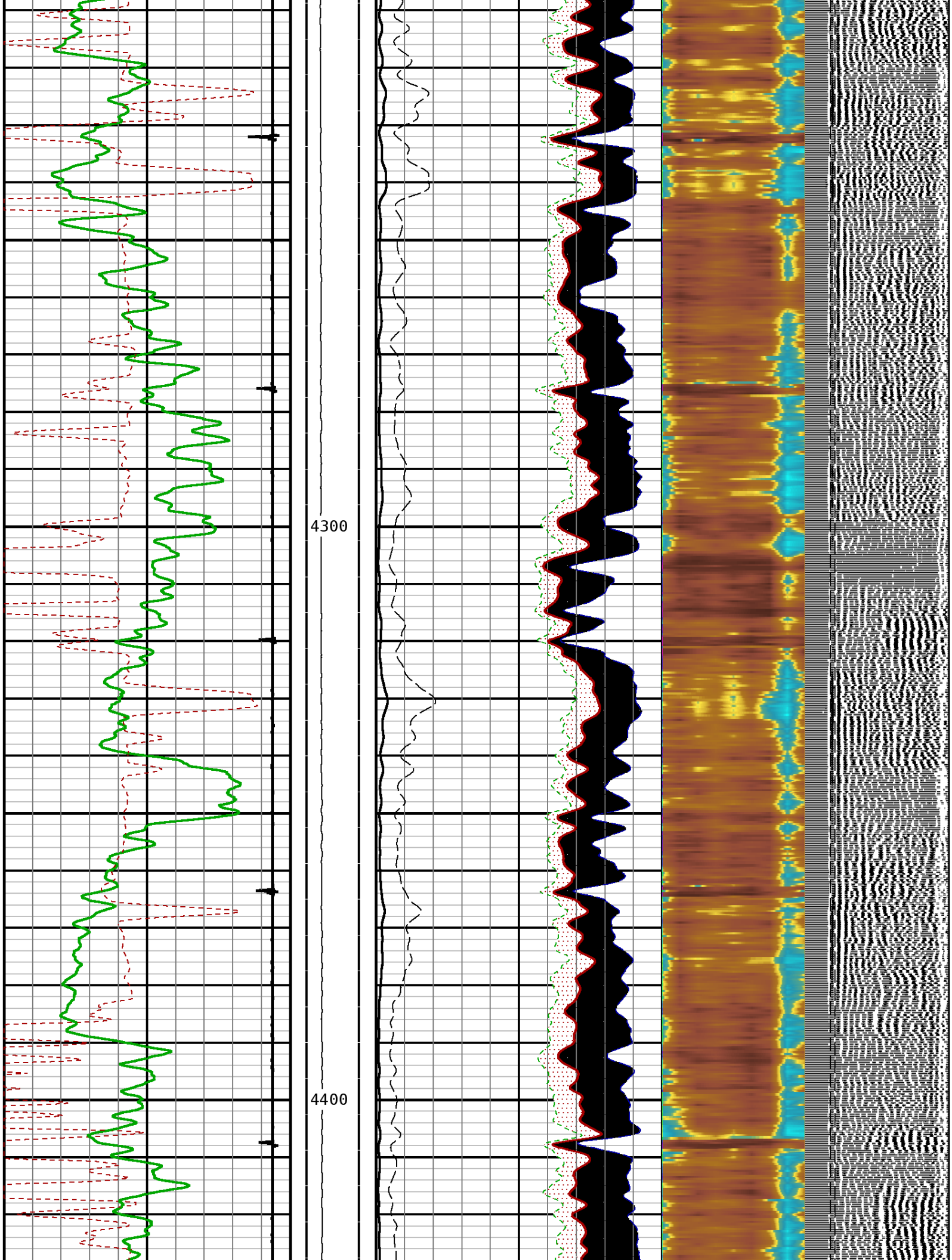
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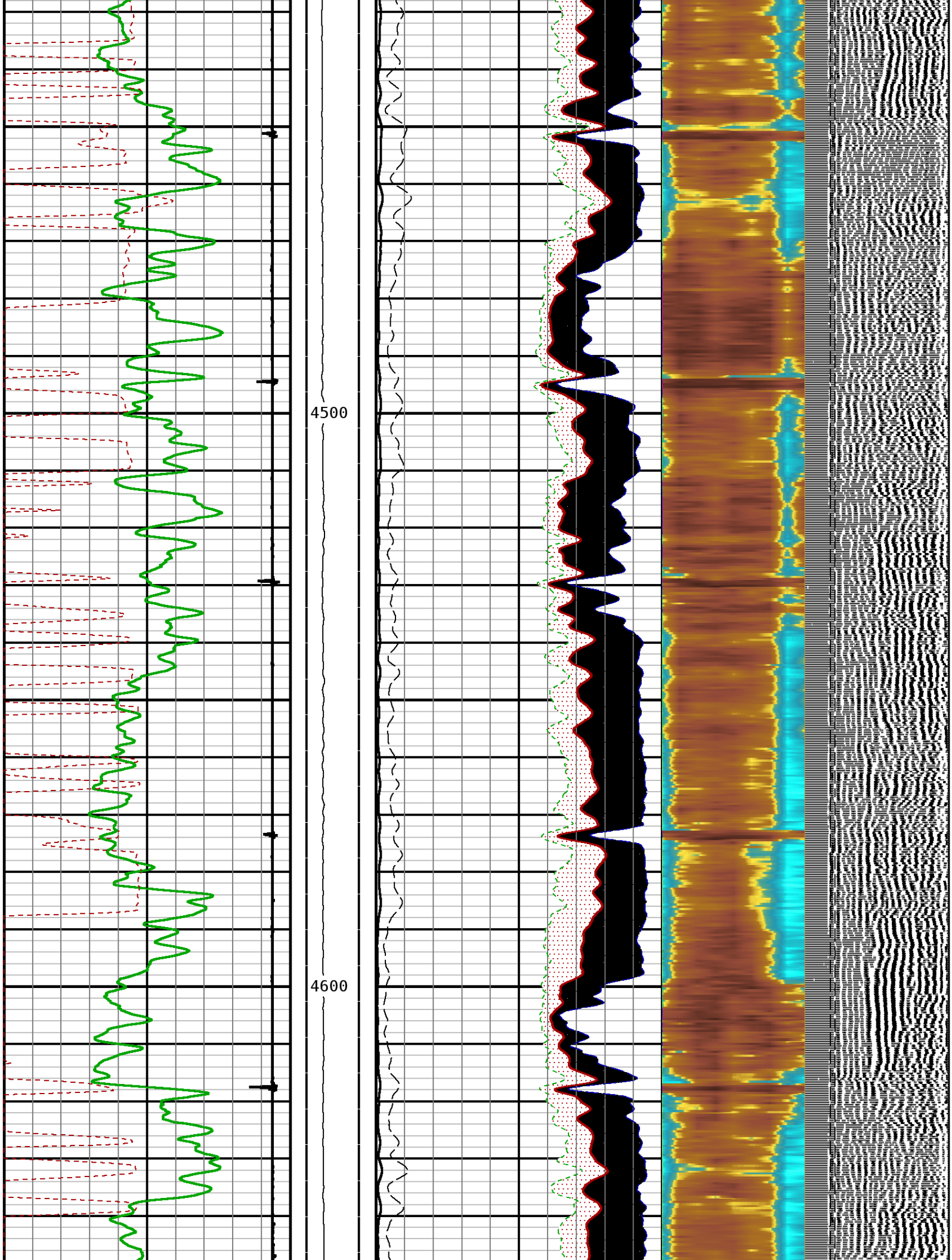
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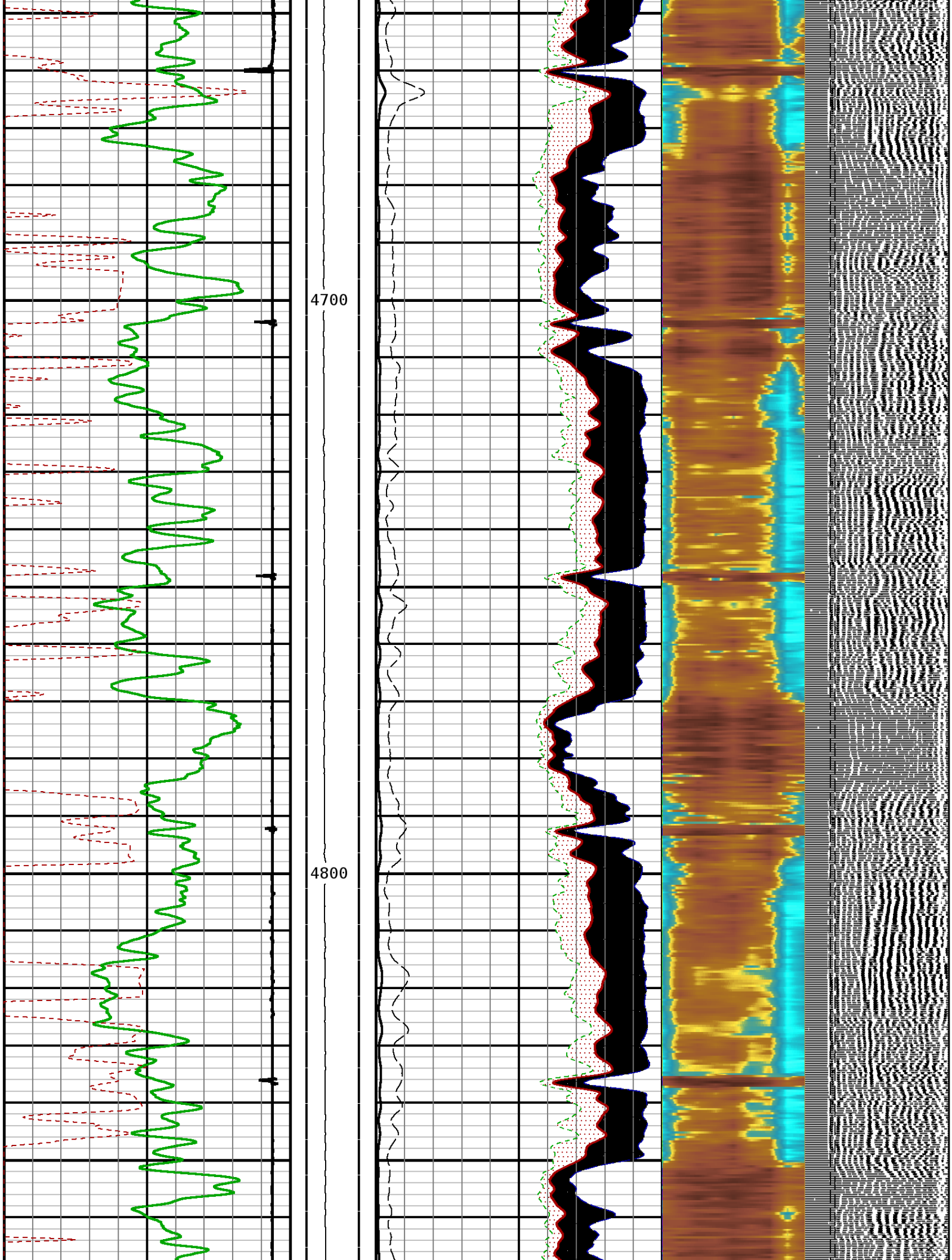
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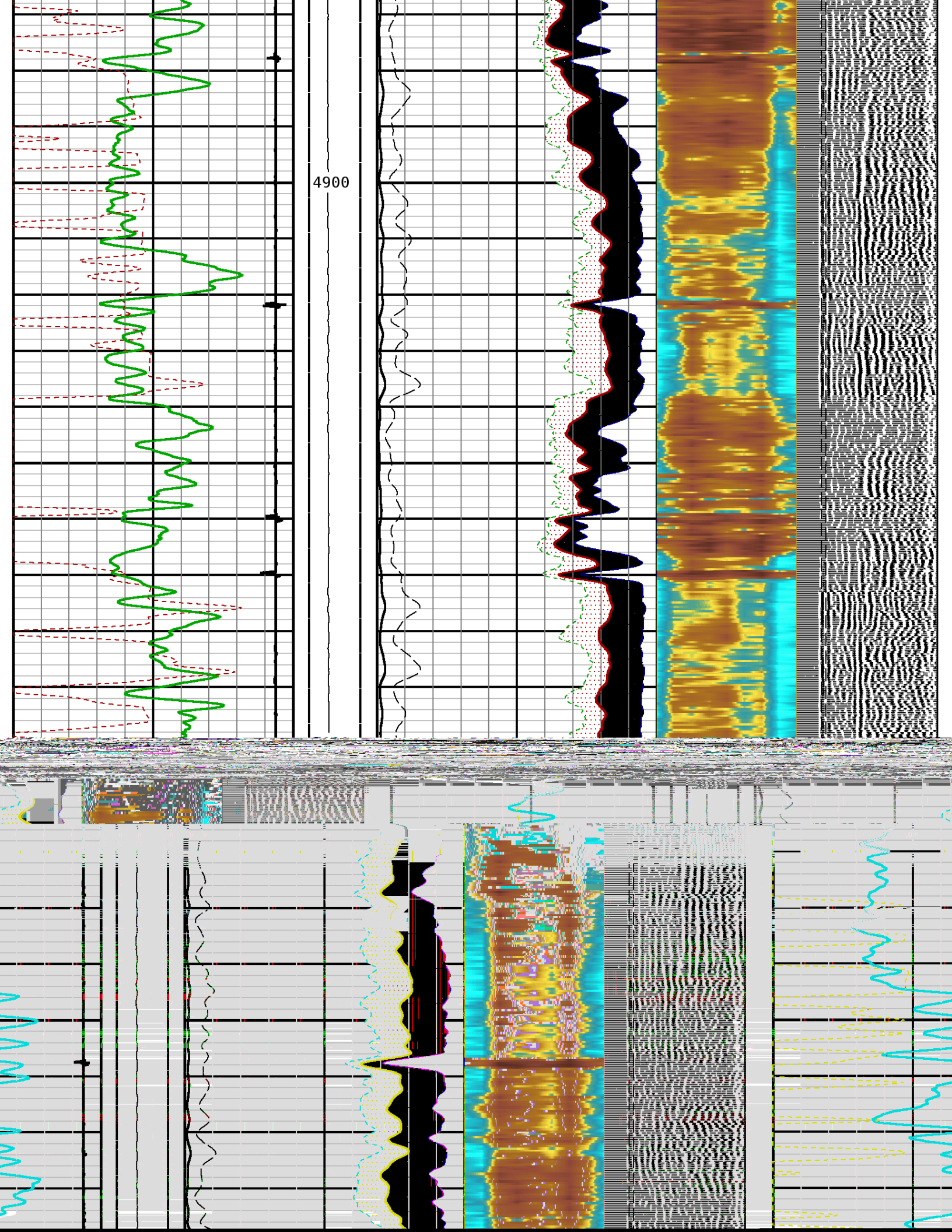
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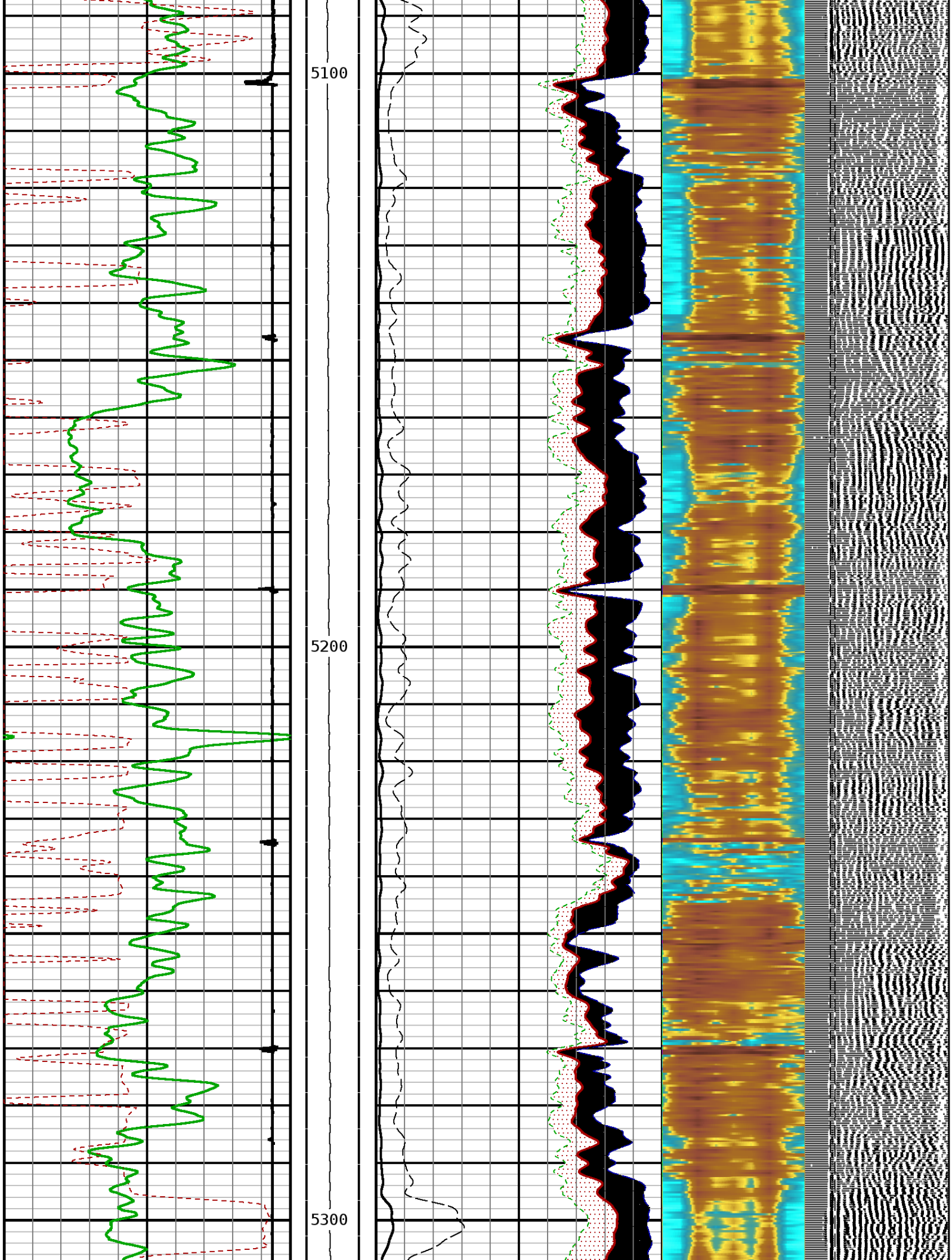
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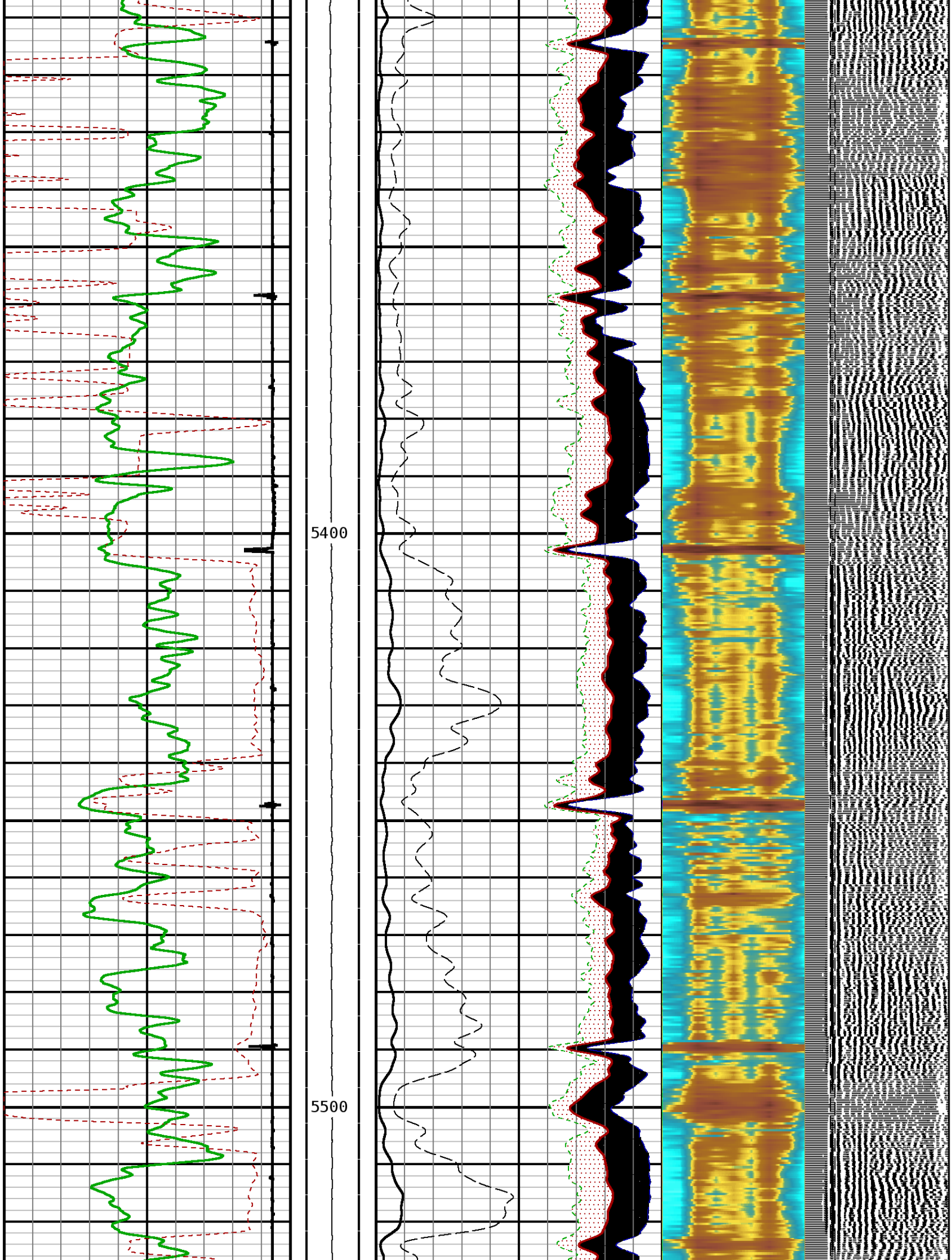
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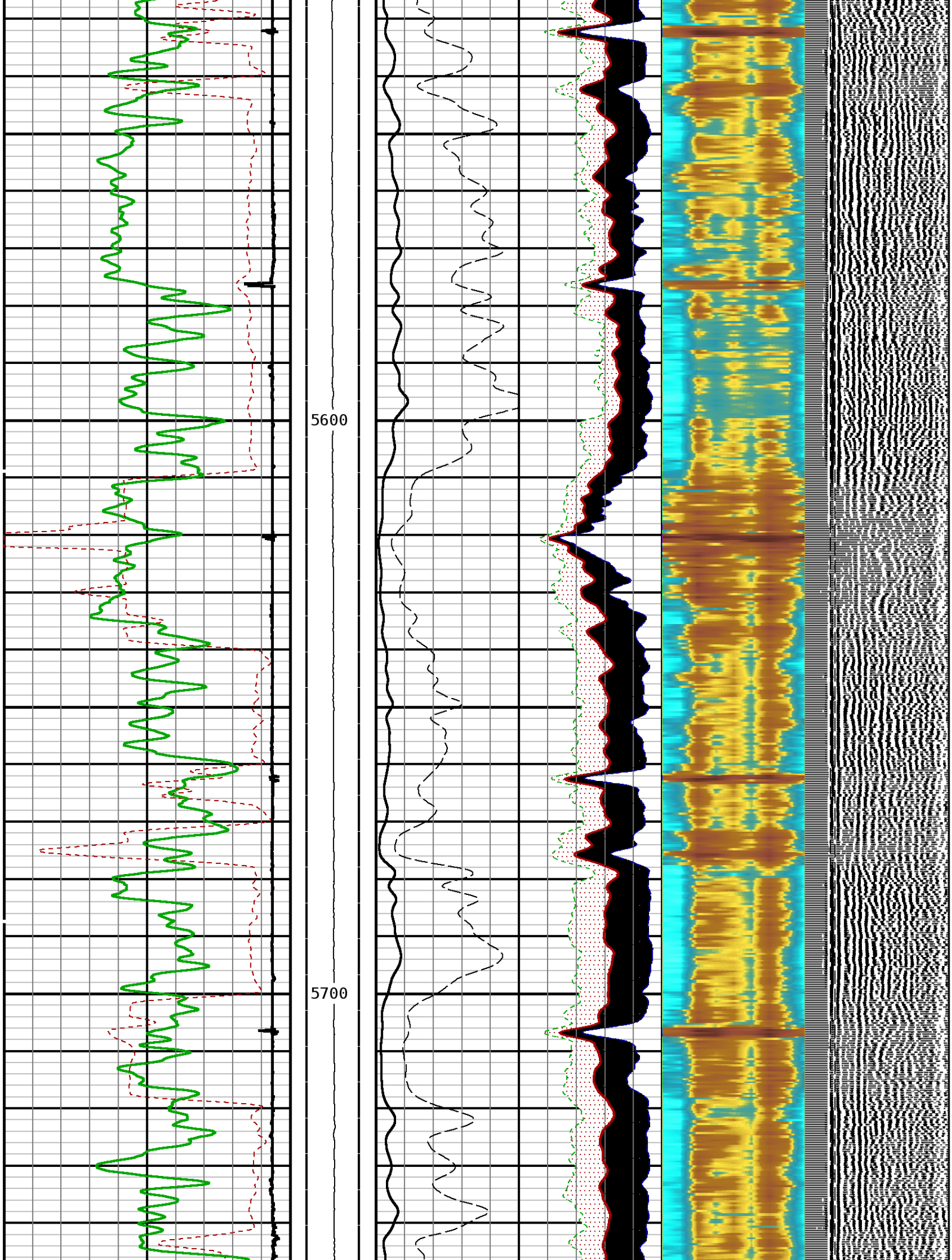
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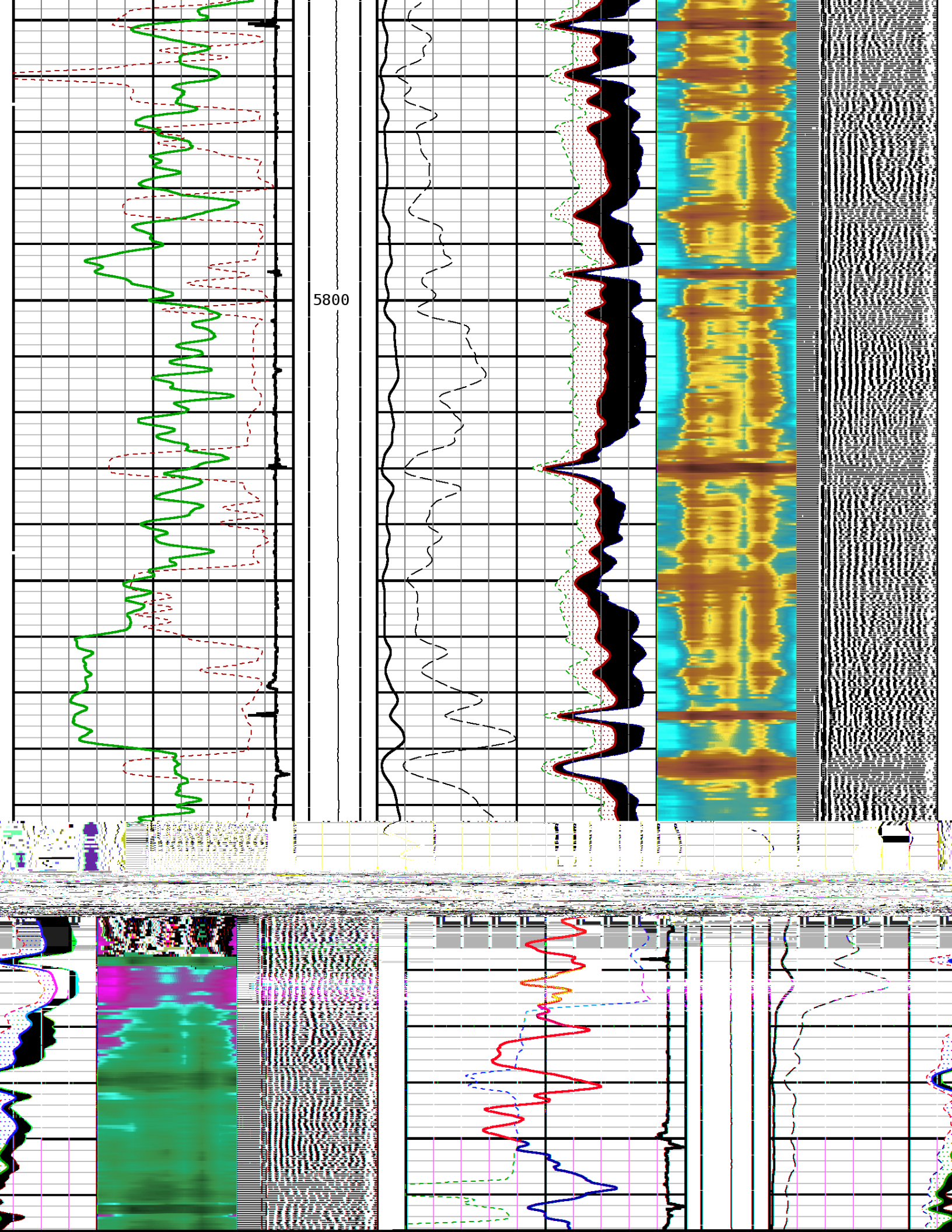
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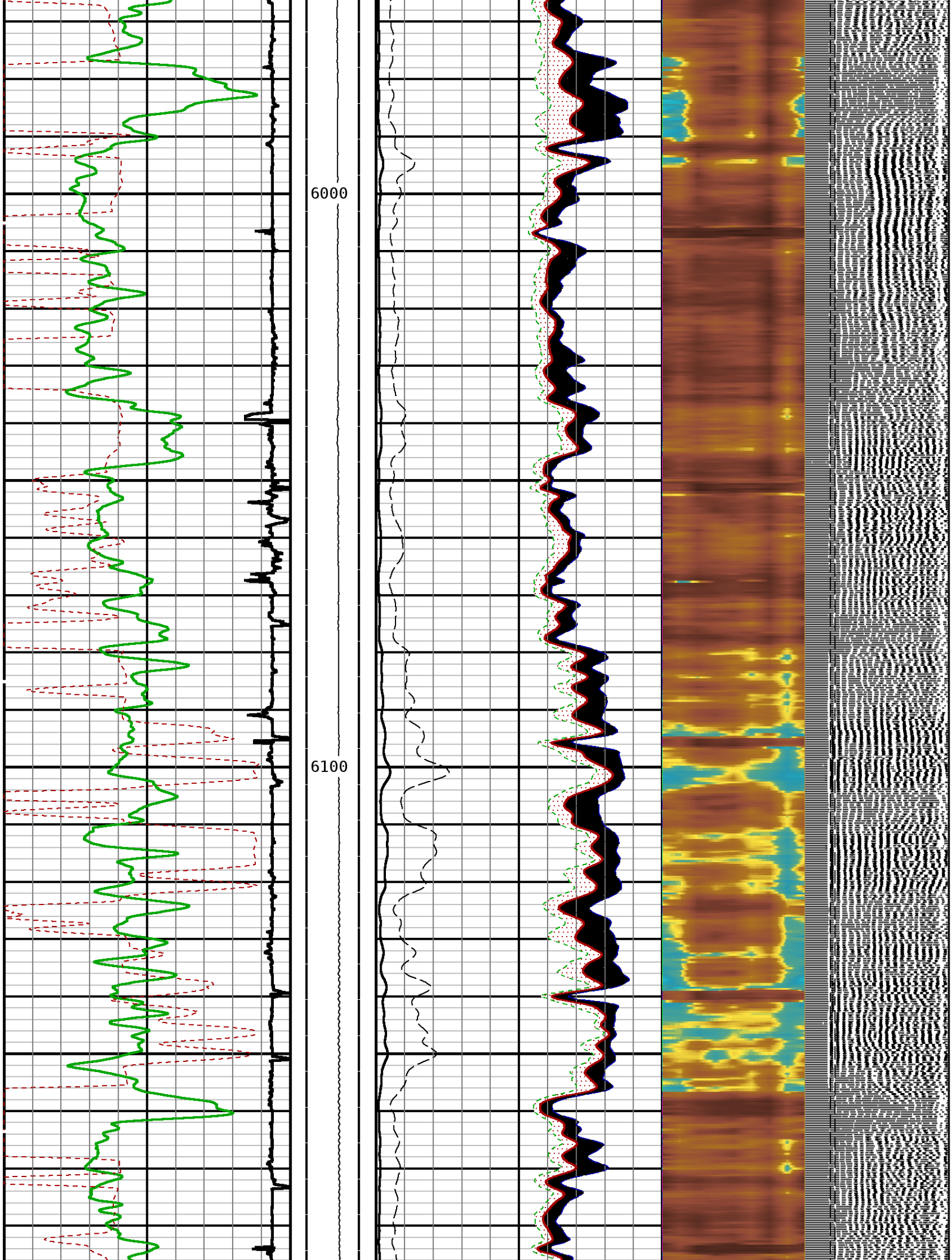
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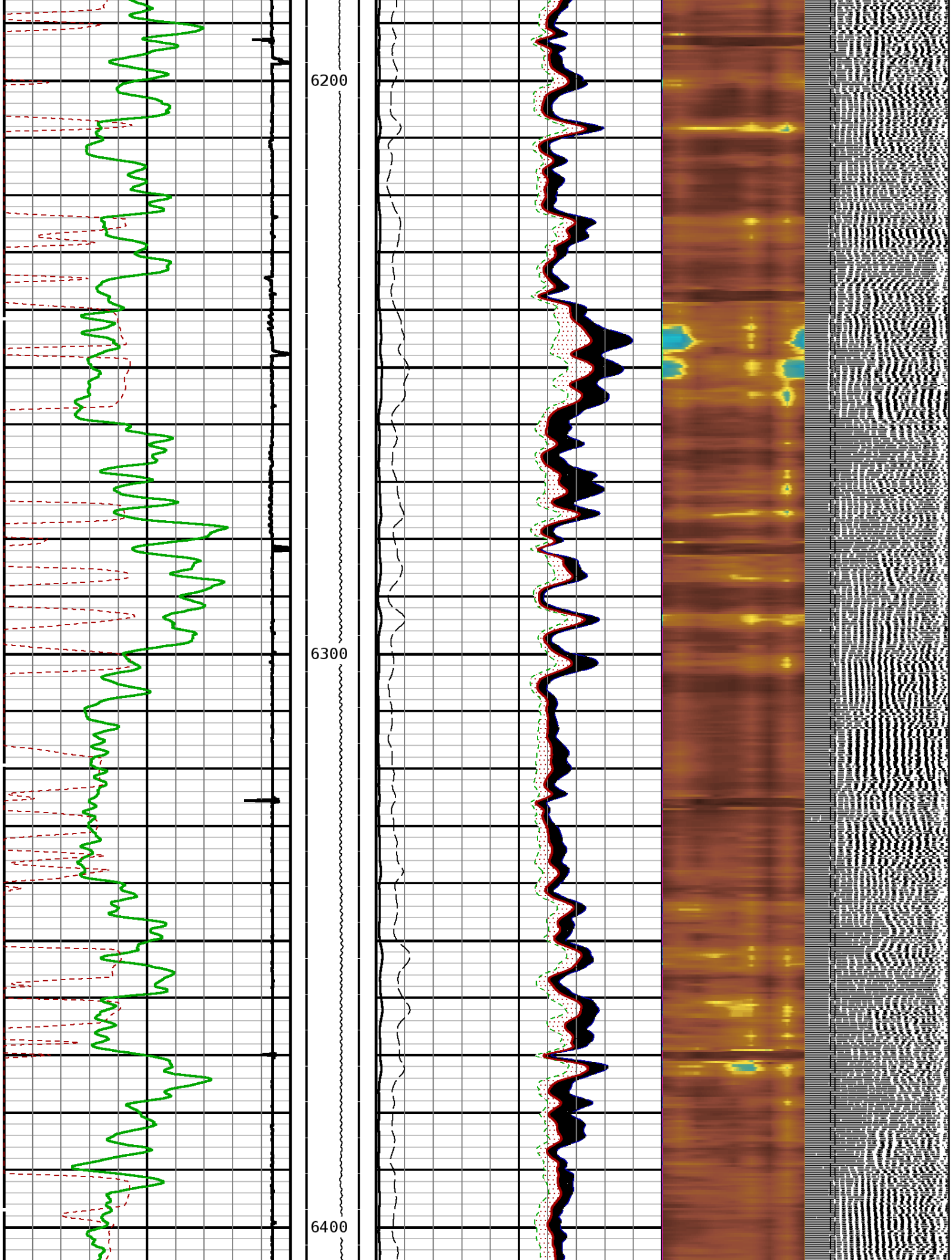
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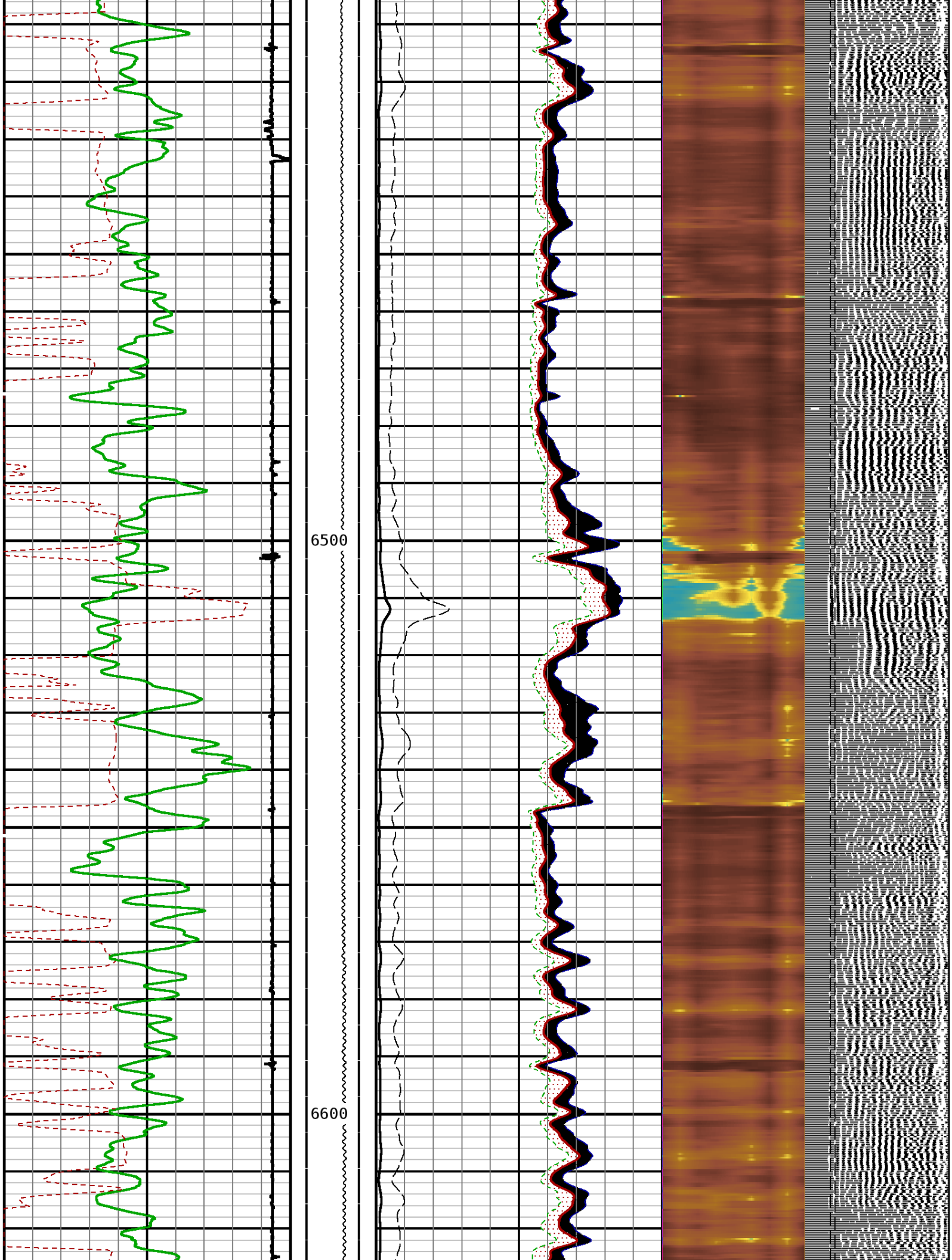
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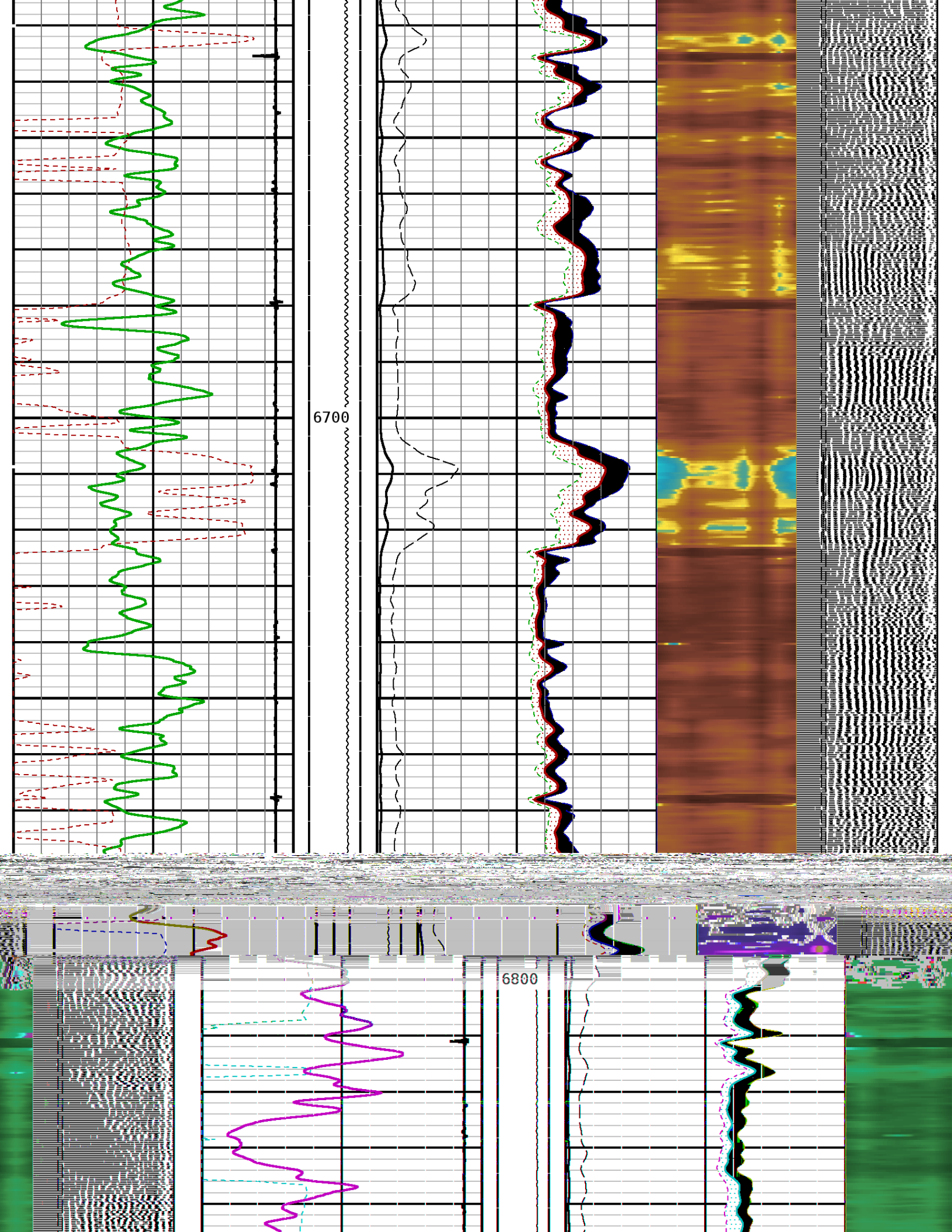
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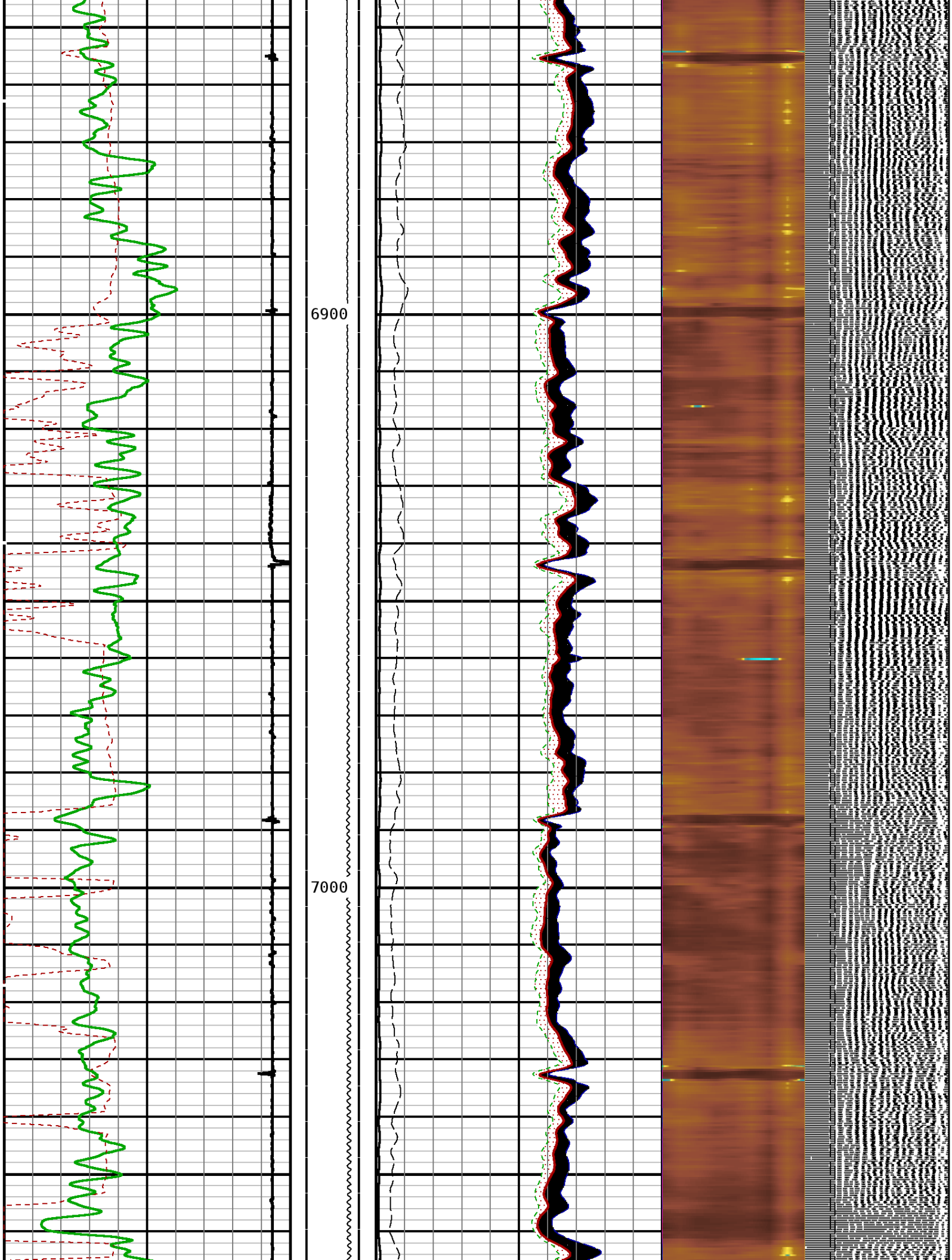
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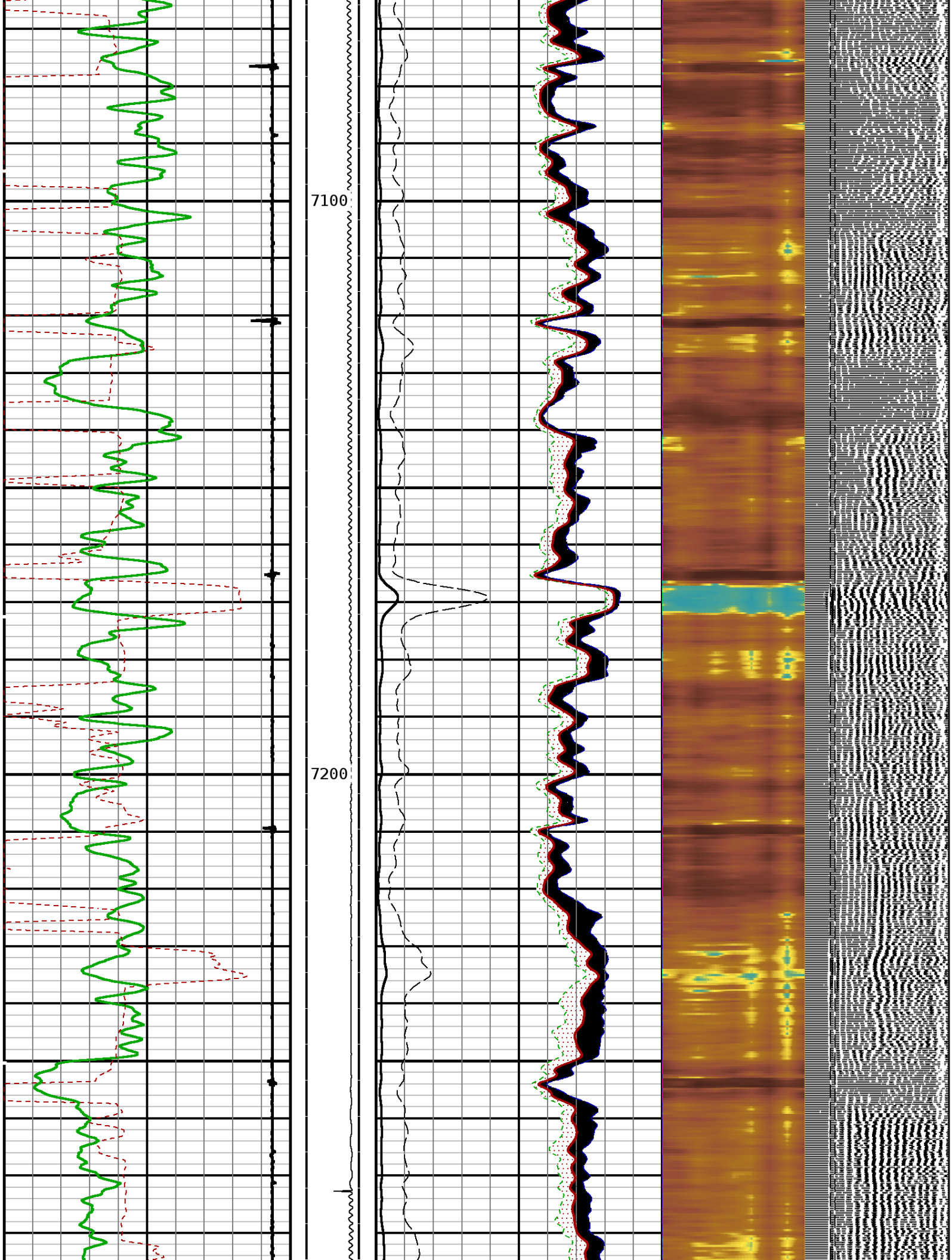
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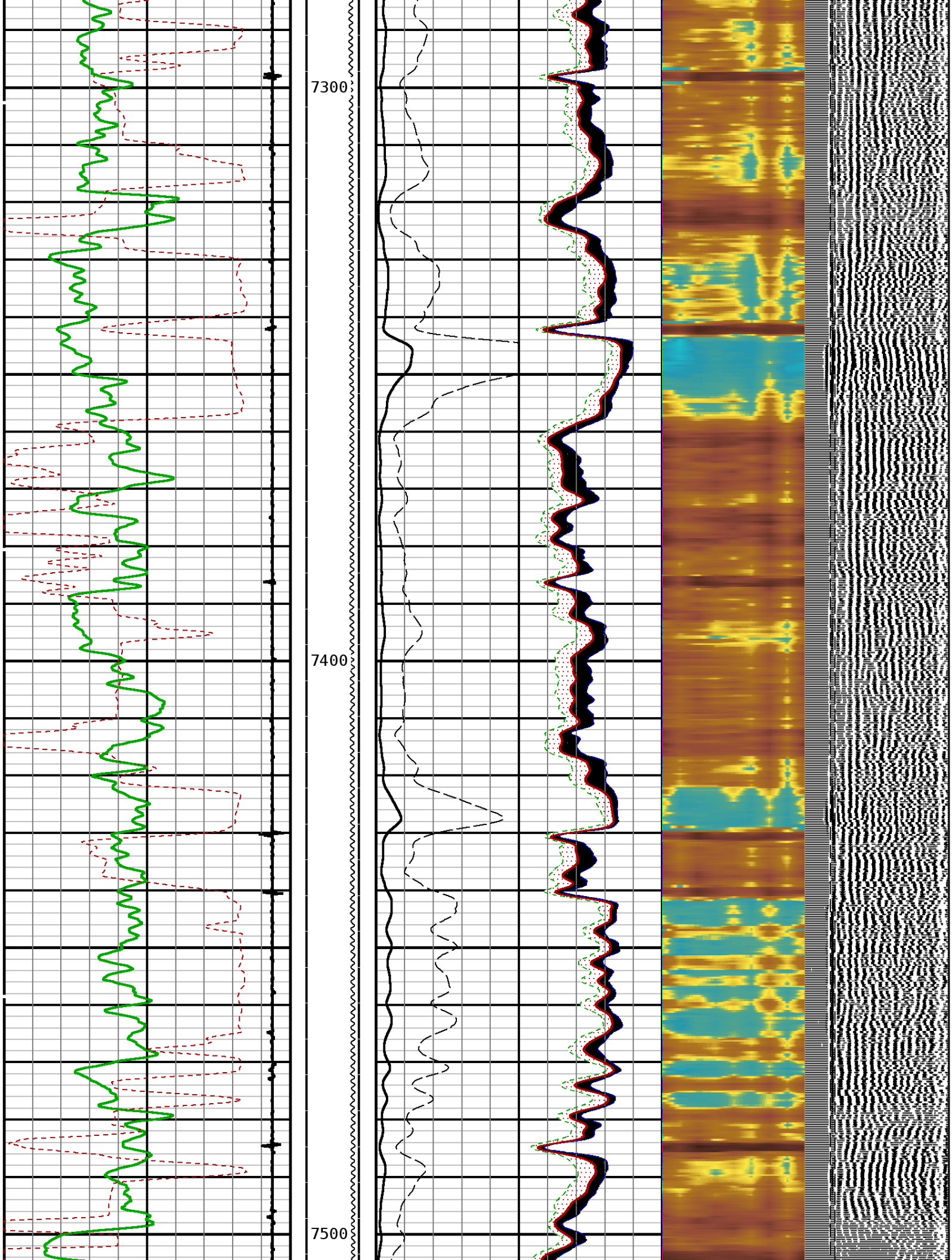
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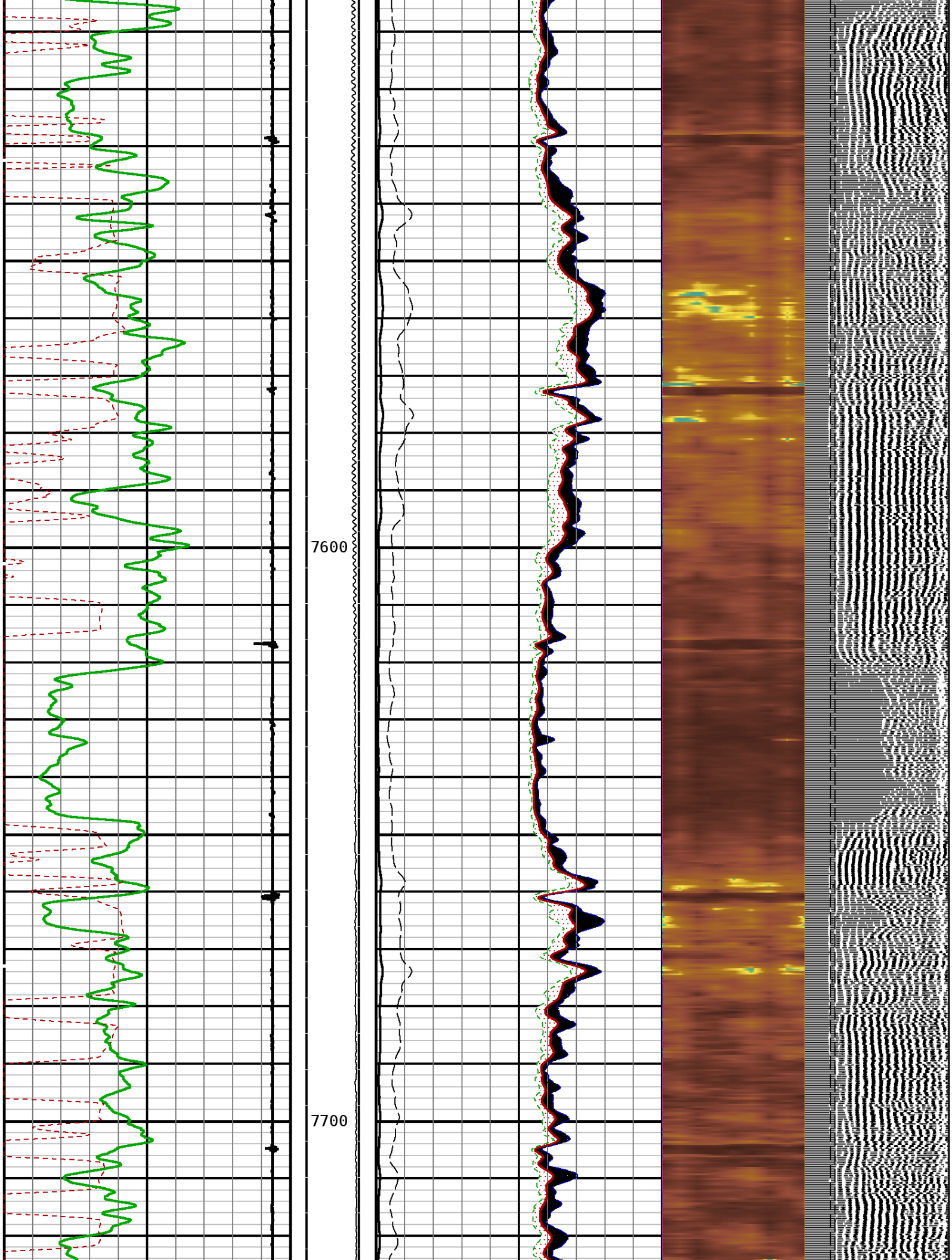
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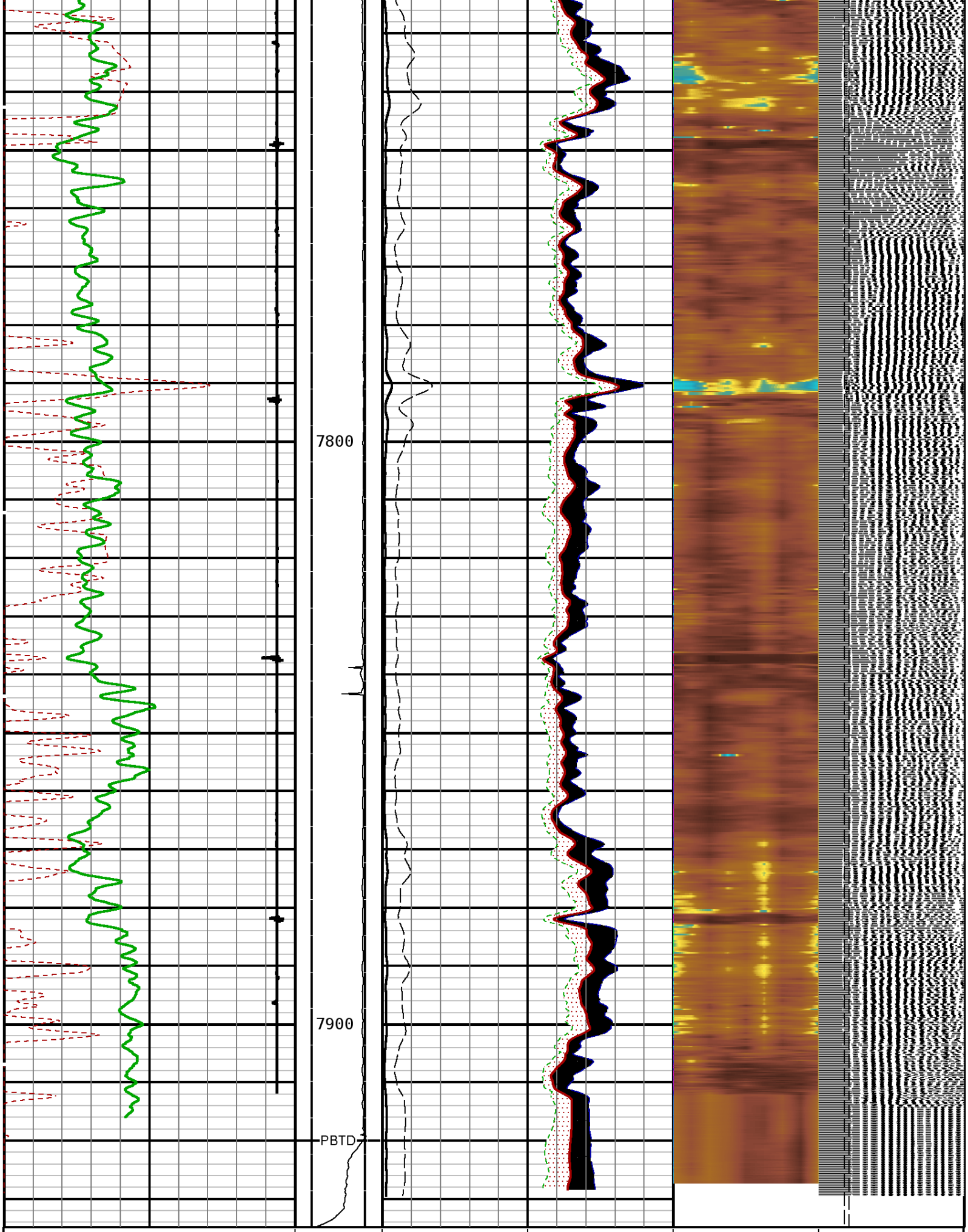

7800
7900
PBTD
TRAVEL TIME 3FT
Tension
AMPLITUDE 3FT
MIN ENERGY
VARIABLE ENERG
VARIABLE DENSI

305	Microseconds	205	0	3000	0	mv	100	0	mv	100	0	mv	80	200	us	1200
	Gamma Ray					AMPLITUDE 3FT			AVG ENERGY					FREE PIPE GATE	
0	API	200			0	mv	20	0	mv	100				200	us	1200
	Collar Locator								MAX ENERGY					FREE PIPE GATE	
-1800	Millivolts	120						0	mv	100				200	us	1200

START DEPTH: **7935.0** DIRECTION: **UP** DATE: **08/05/2014** TIME: **10:06** MODE: **ORIGINAL**
RECOMPUTED DATE: **08/05/2014** TIME: **10:06**

94377658 SBTMF

MAIN PASS

DEPTH SCALE: **5":100'** LOGGED VERSION: **2012.07.18.162"**

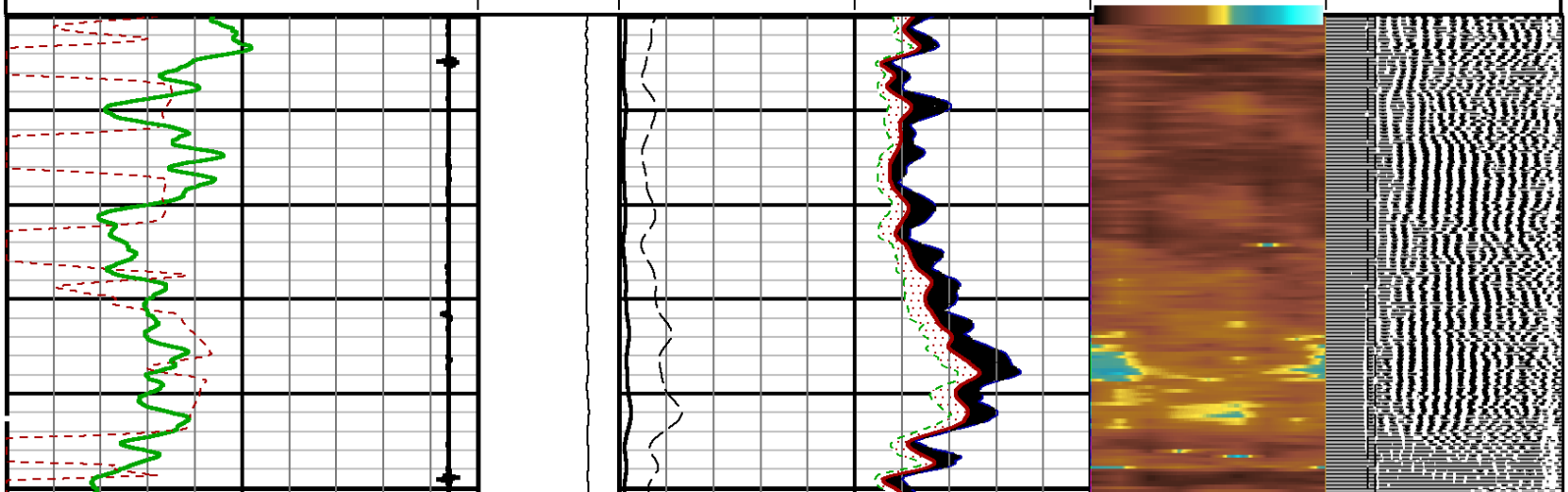
DEPTH SCALE: **5":100'** PROCESSED VERSION: **2012.07.18.162"**

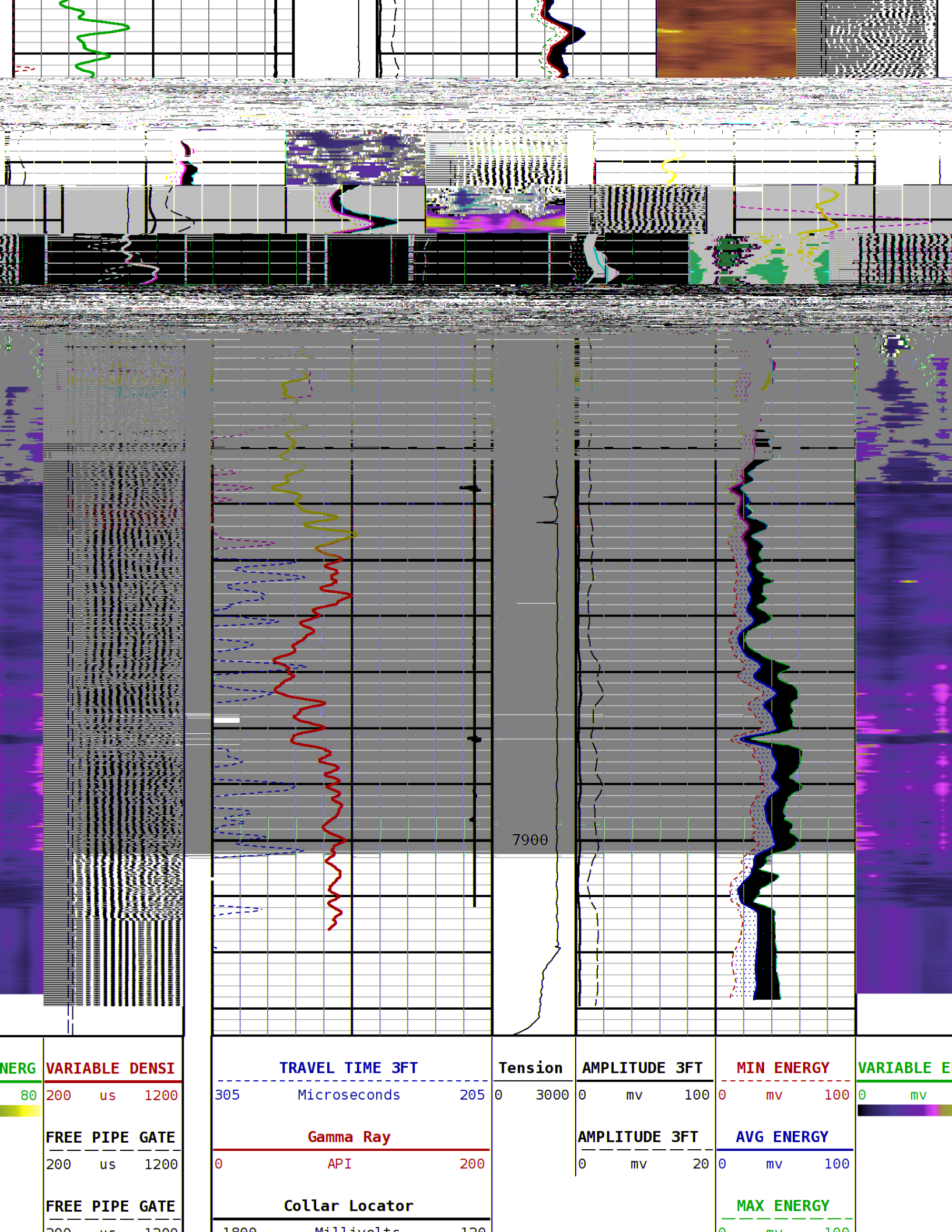
REPEAT PASS

94377658 SBTRF

FINISH DEPTH: **7700.0** Feet DIRECTION: **UP** DATE: **08/05/2014** TIME: **10:10** MODE: **ORIGINAL**
RECOMPUTED DATE: **08/05/2014** TIME: **10:10**

	Collar Locator								MAX ENERGY					FREE PIPE GATE	
-1800	Millivolts	120						0	mv	100				200	us	1200
	Gamma Ray					AMPLITUDE 3FT			AVG ENERGY					FREE PIPE GATE	
0	API	200			0	mv	20	0	mv	100				200	us	1200
	TRAVEL TIME 3FT		Tension			AMPLITUDE 3FT			MIN ENERGY			VARIABLE ENERG		VARIABLE DENSI	
305	Microseconds	205	0	3000	0	mv	100	0	mv	100	0	mv	80	200	us	1200




7900
NERG
80
VARIABLE DENSI
200 us 1200
FREE PIPE GATE
200 us 1200
FREE PIPE GATE
TRAVEL TIME 3FT
305 Microseconds 205
Gamma Ray
0 API 200
Collar Locator
Tension
0 3000
AMPLITUDE 3FT
0 mv 100
AMPLITUDE 3FT
0 mv 20
MIN ENERGY
0 mv 100
AVG ENERGY
0 mv 100
MAX ENERGY
VARIABLE E
0 mv

-1800	millivolts	120			0	mV	100			200	us	1200

START DEPTH: **7935.0** DIRECTION: **UP** DATE: **08/05/2014** TIME: **10:10** MODE: **ORIGINAL**
RECOMPUTED DATE: **08/05/2014** TIME: **10:10**

94377658 SBTRF

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

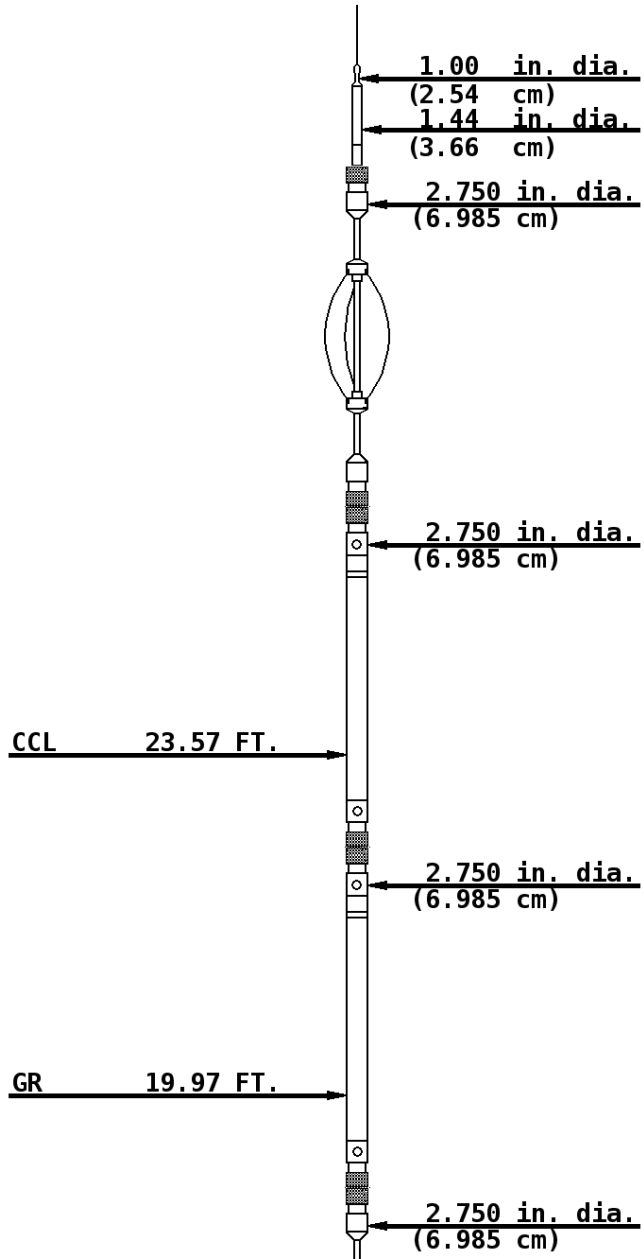
Weight	15 lbs
Length	2.49 FT.
Max. Diameter	2.750 IN.

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

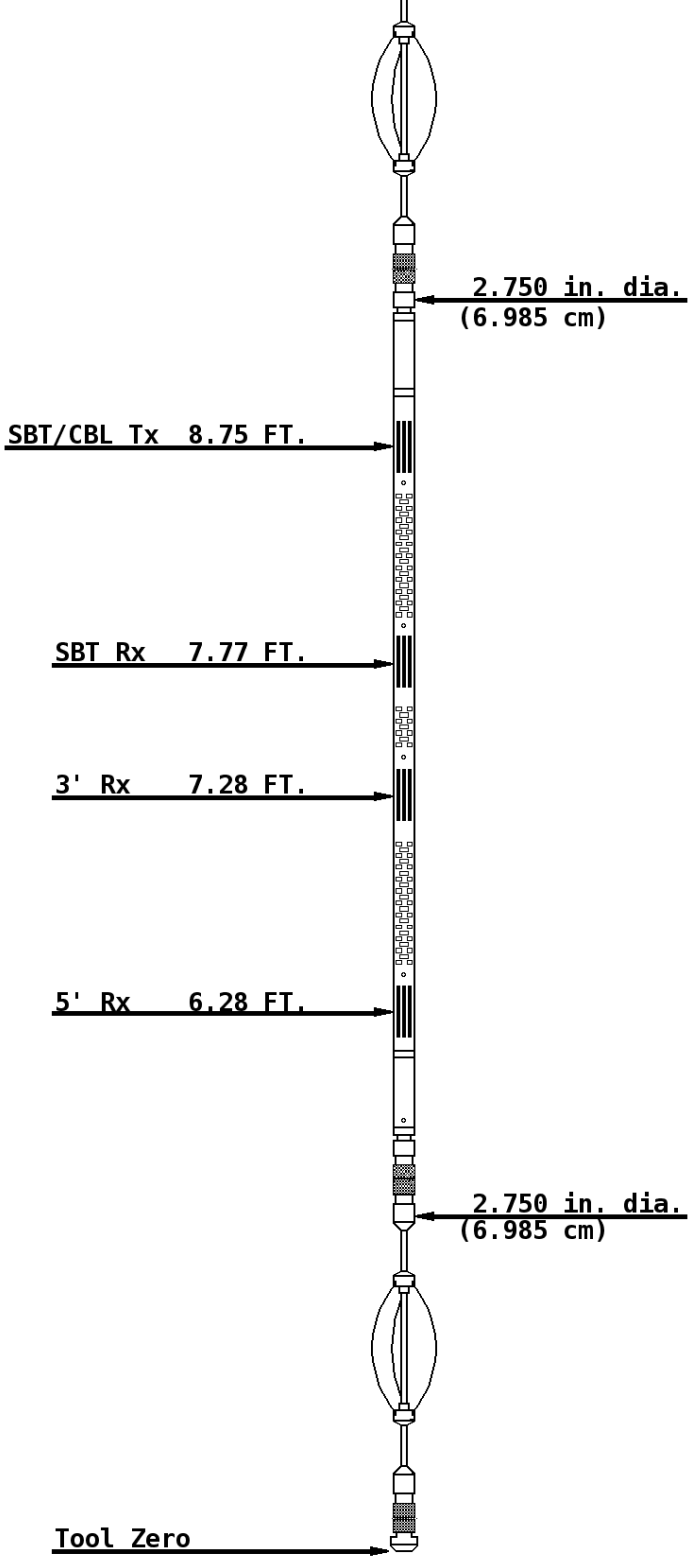
Weight	22 LBS.
Length	3.08 FT.
Max. Diameter	2.750 IN.

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.



COMPANY	URSA OPERATING COMPANY
WELL	CSF 44C-09-07-91
FIELD	CASTLE SPRINGS
COUNTY	GARFIELD
STATE	COLORADO

Weatherford®