



# RADIAL CEMENT BOND LOG GAMMA RAY CCL

Pioneer Energy Services

Company ENCANA OIL & GAS (USA) INC.

Well State 1C-16H

Field WATTENBERG

County WELD State COLORADO

Location: API #: 05123368550000

SEC 16 TWP 3N RGE 68W

Permanent Datum GL Elevation 5016'

Log Measured From KELLY BUSHING

Drilling Measured From KELLY BUSHING

Other Services  
None

Elevation  
K.B. 5040'  
D.F. 5039'  
G.L. 5016'

Date 27-June-2013

Run Number 1

Depth Driller N/A

Depth Logger 7263'

Bottom Logged Interval 7263'

Top Log Interval SURFACE

Open Hole Size 9.875"

Type Fluid DRILLING FLUID

Density / Viscosity 12LB

Max. Recorded Temp. NA

Estimated Cement Top 1662'

Time Well Ready 1000

Time Logger on Bottom 1052

Equipment Number 24

Location FORT MORGAN CO.

Recorded By G. Grimshaw

Witnessed By Mr. Charlie Parker

Borehole Record

Run Number Bit From To Size Weight From To

Casing Record Size Wgt/Ft Top Bottom

Surface String

Prot. String

Production String

Liner

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR CHOOSING PIONEER WIRELINE  
SO # 2-204



Pioneer Energy Services

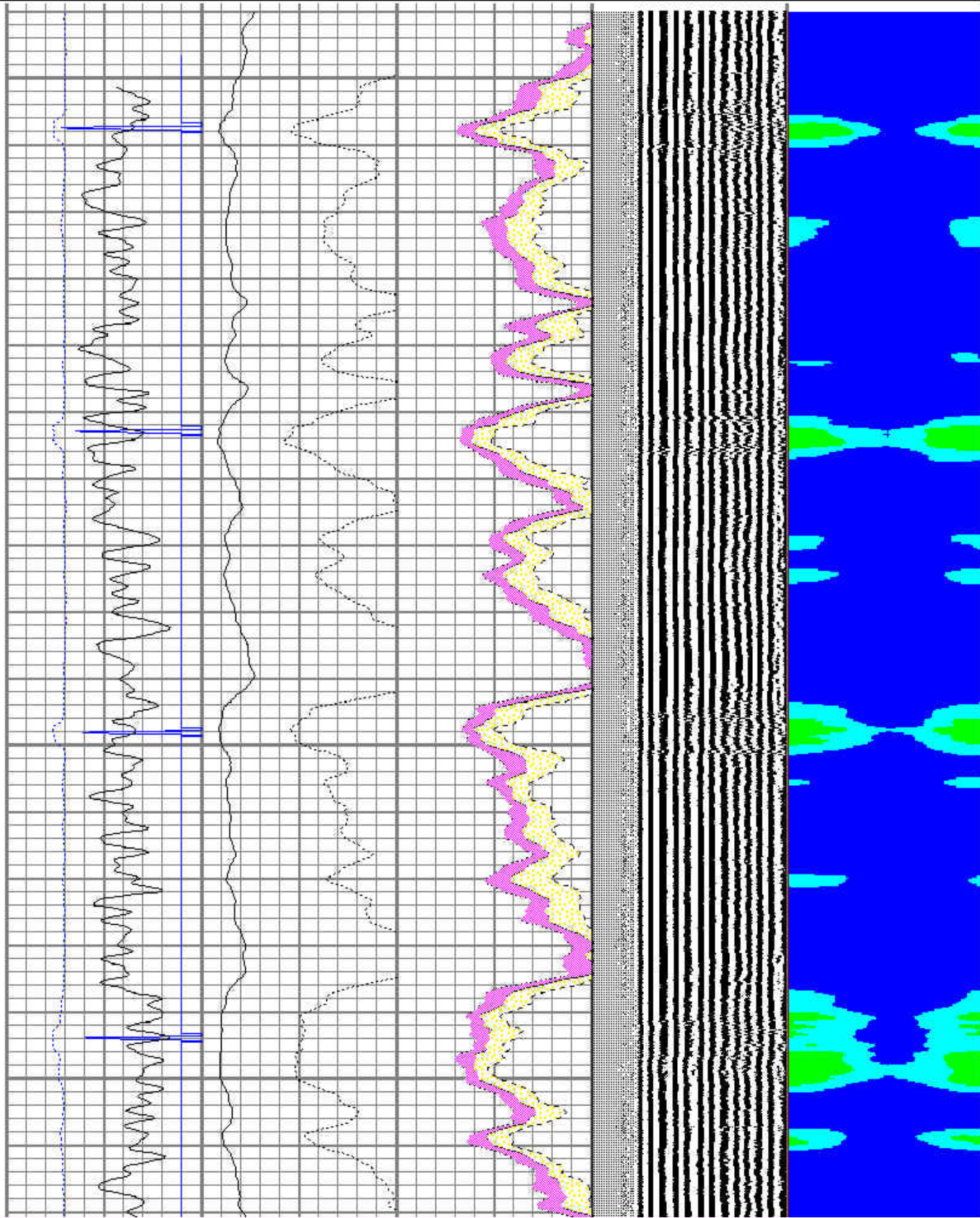
# Main Pass

Database File: state1b-16h.db  
 Dataset Pathname: pass3  
 Presentation Format: scbl02  
 Dataset Creation: Thu Jun 27 10:42:39 2013 by Log SCH 120430  
 Charted by: Depth in Feet scaled 1:240

LTEN	322	TT (usec)	222	0	AMP (mV)	100	0	AMPAVG	150	200	VDL	1200	1	SECTOR MAP	8
0	(lb)1000	-9	CCL	1	0	AMPx5 (mV)	20	0	AMPMAX	150			25		75
		0	GR (GAPI)	150				0	AMPMIN	150					

2100

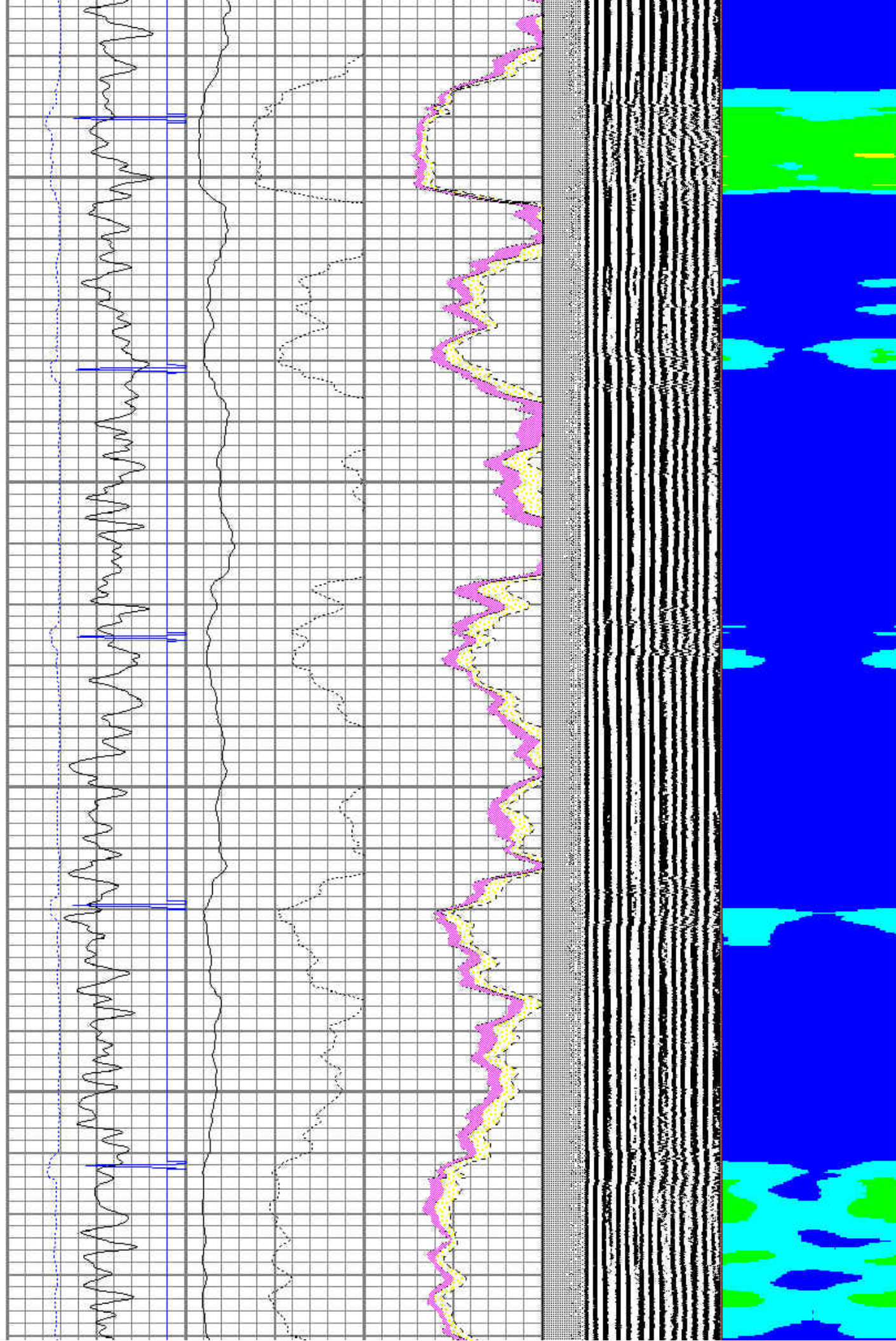
2200





2300

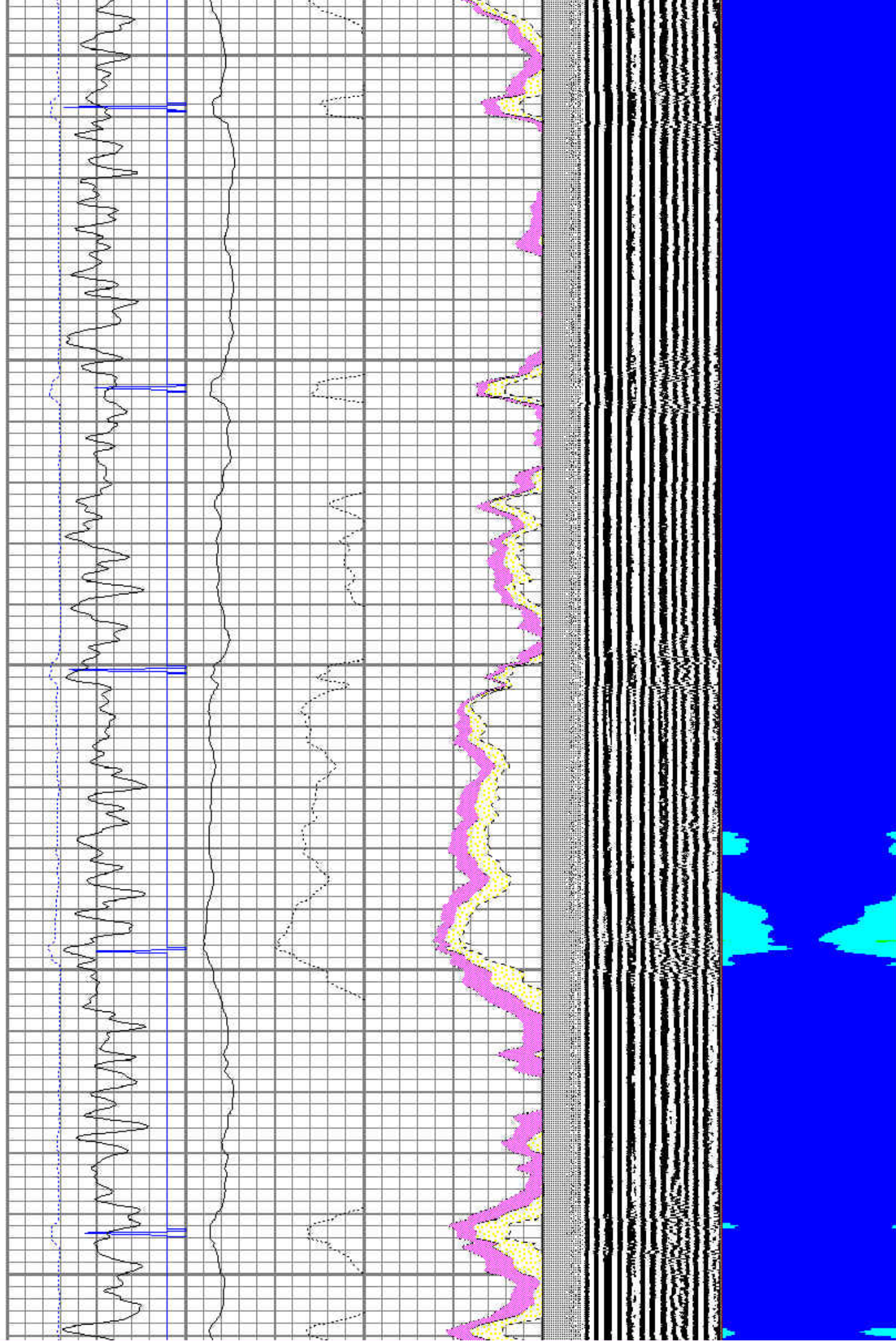
2400





2500

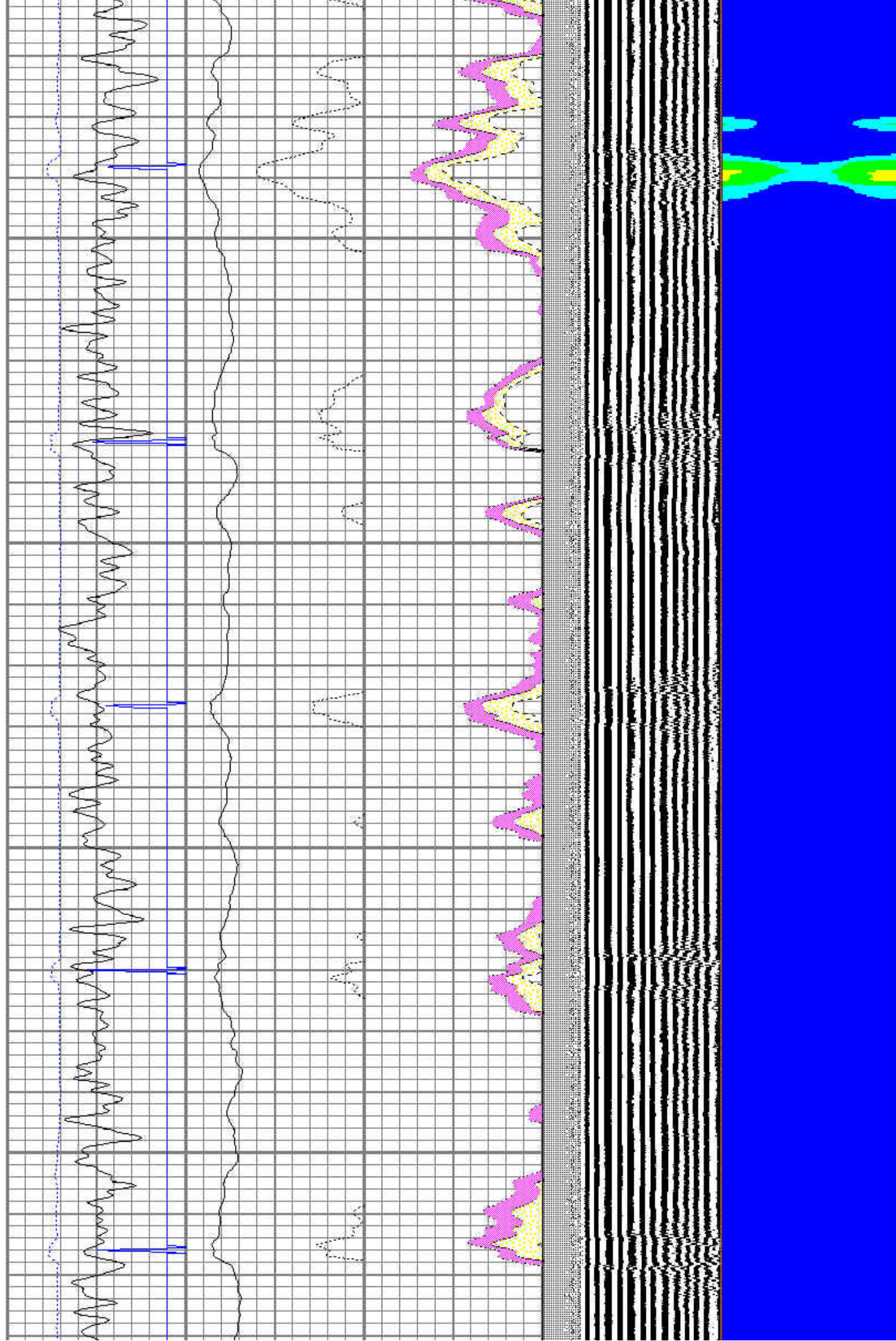
2600





2700

2800

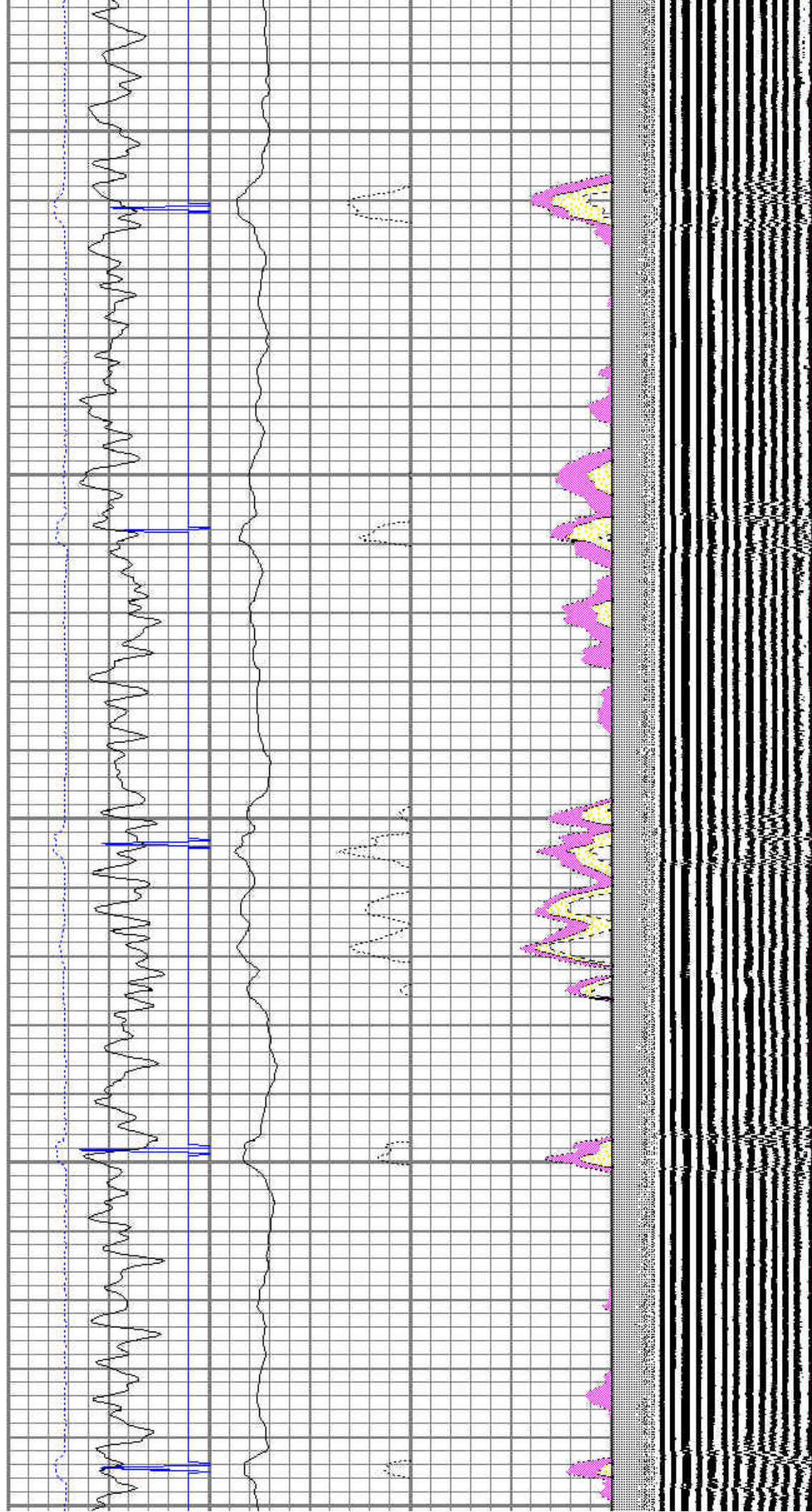




2900

3000

3100



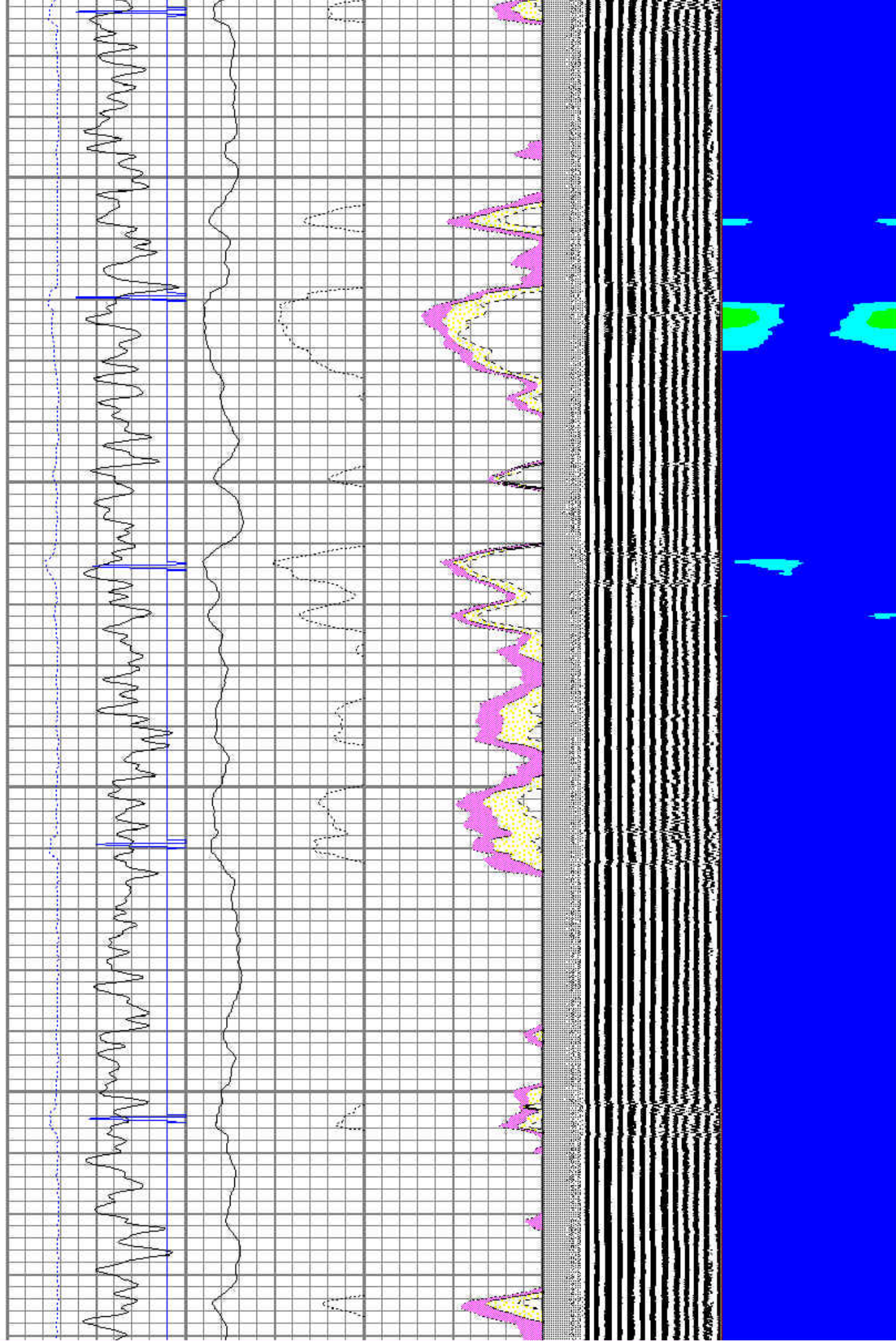


3300



3400

3500



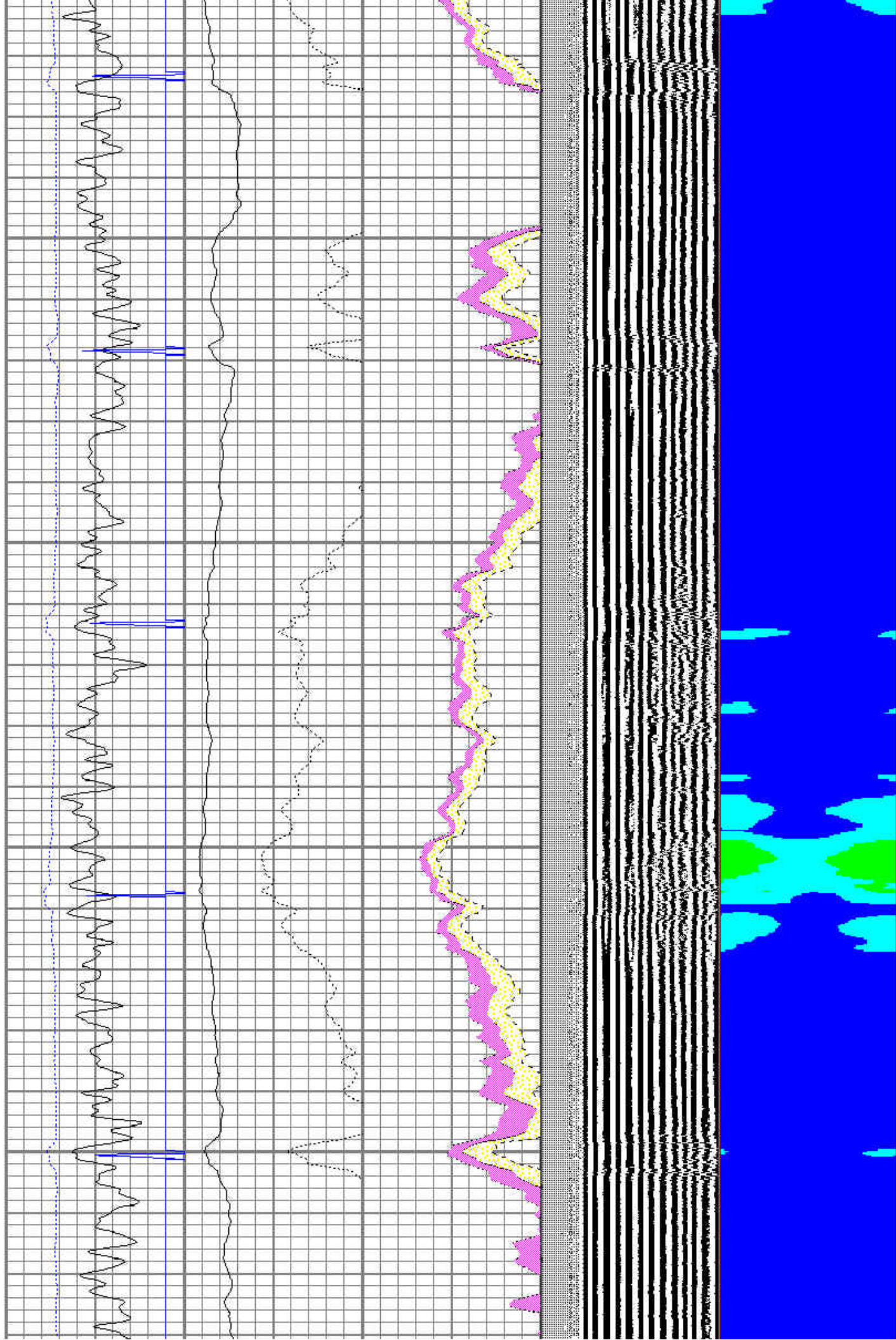


3700



3800

3900

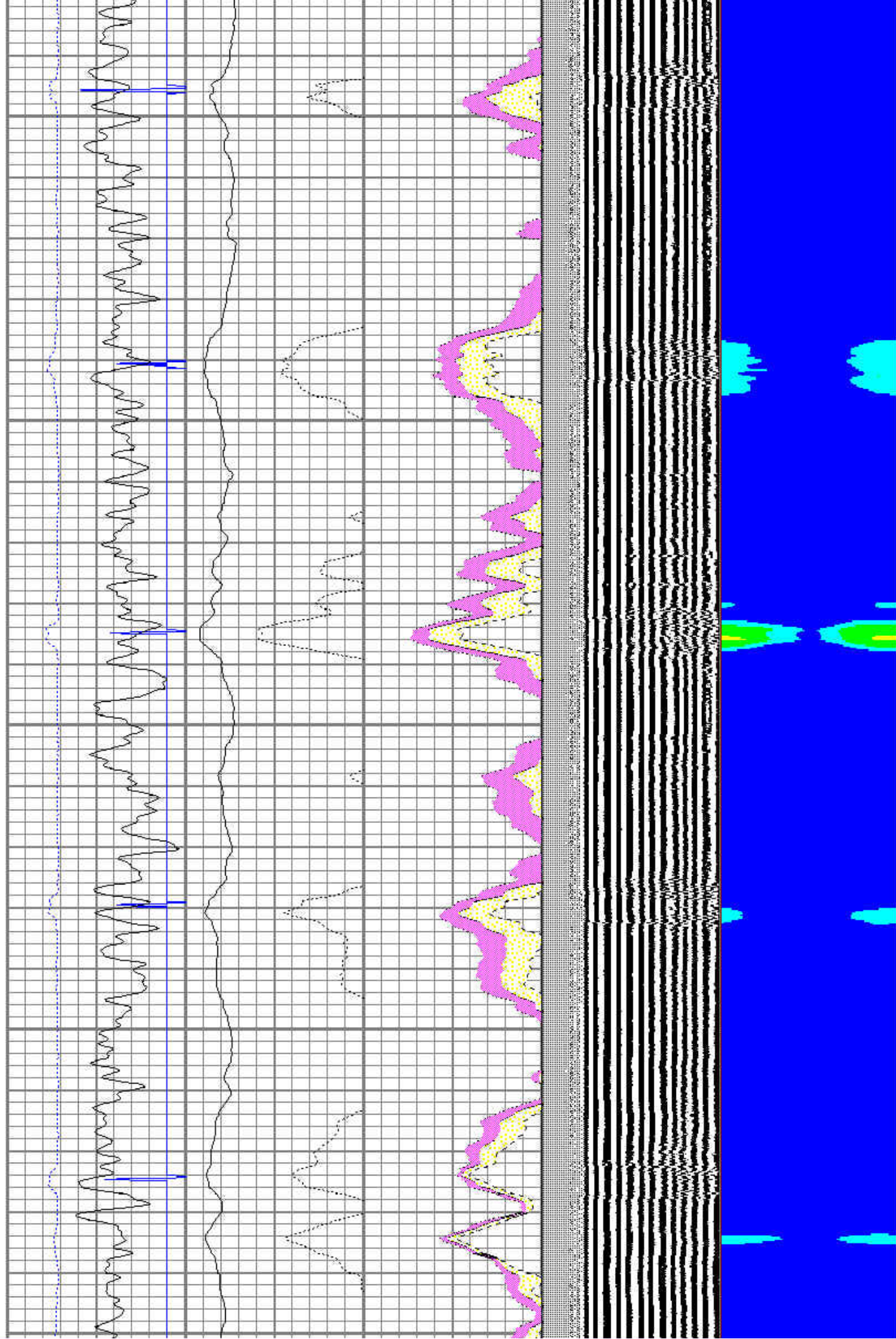




4000

4100

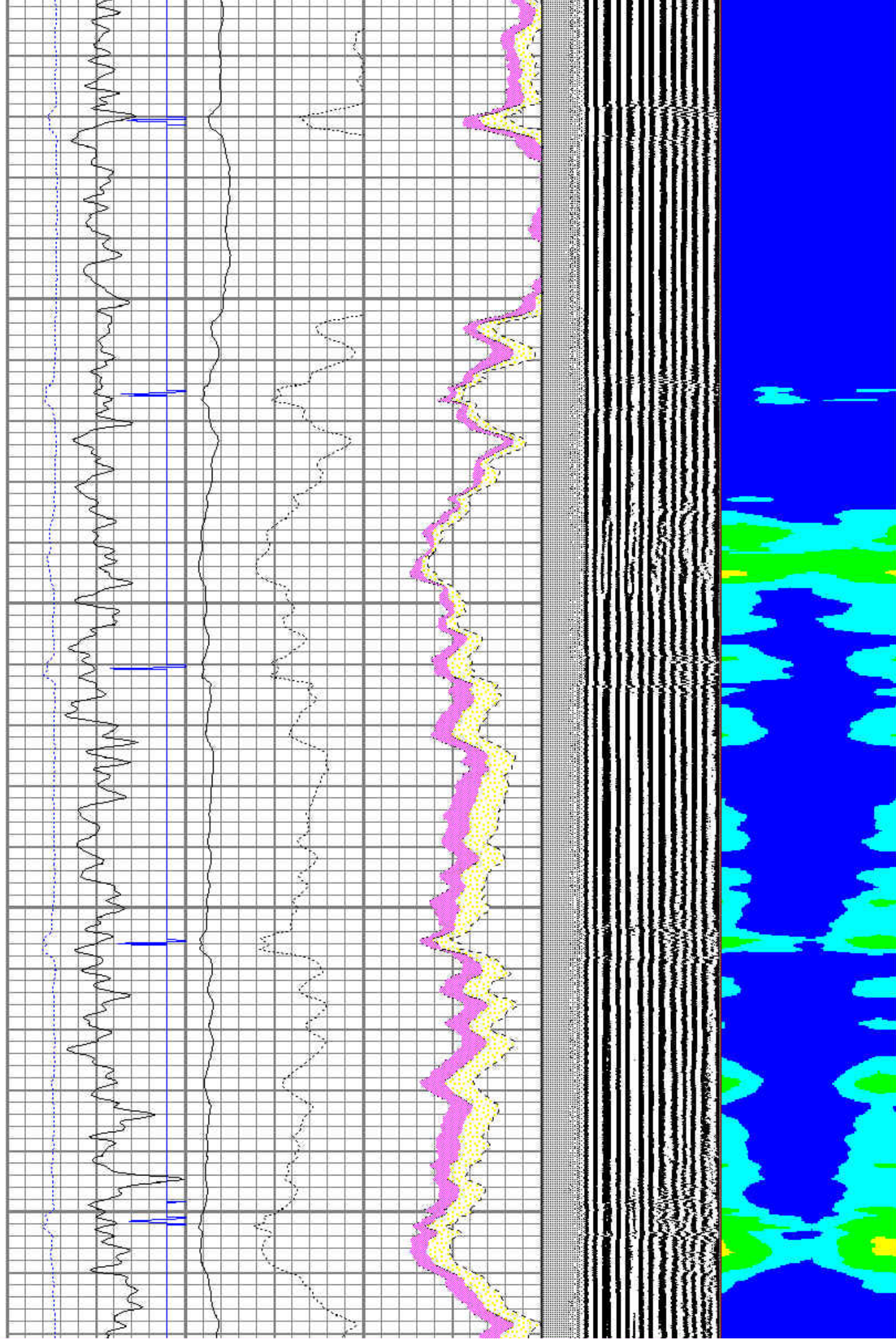
4200





4300

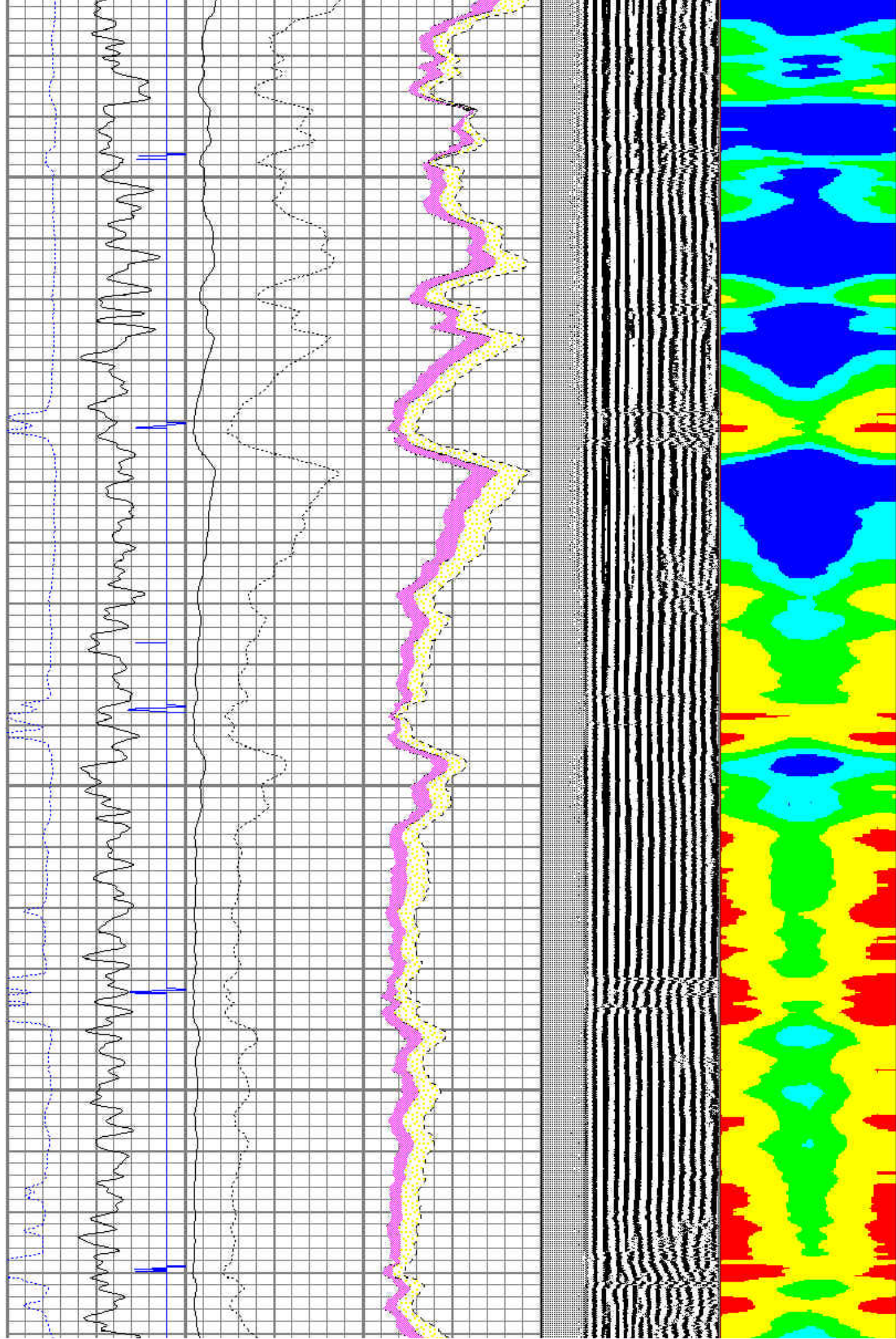
4400





4500

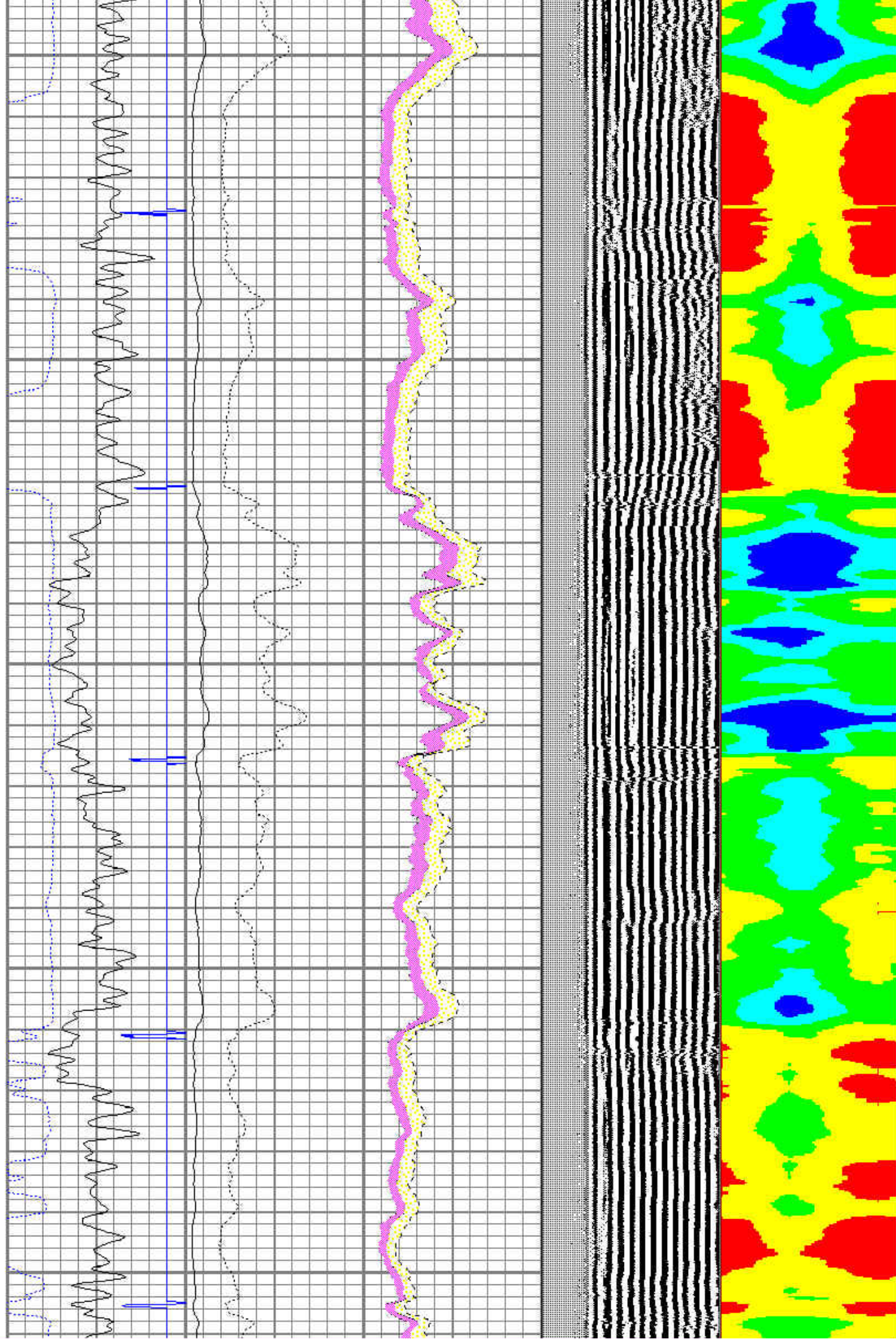
4600





4700

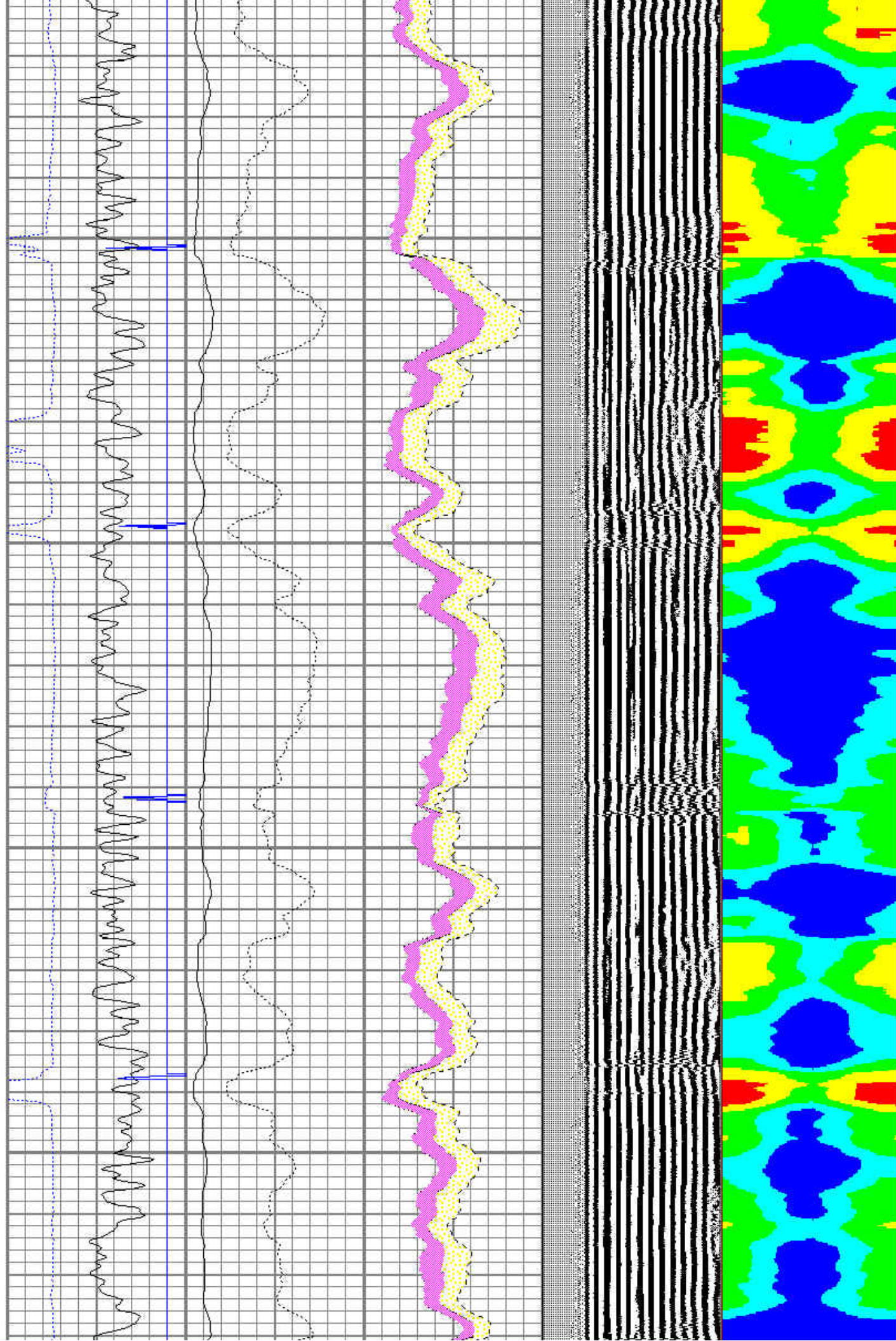
4800





4900

5000

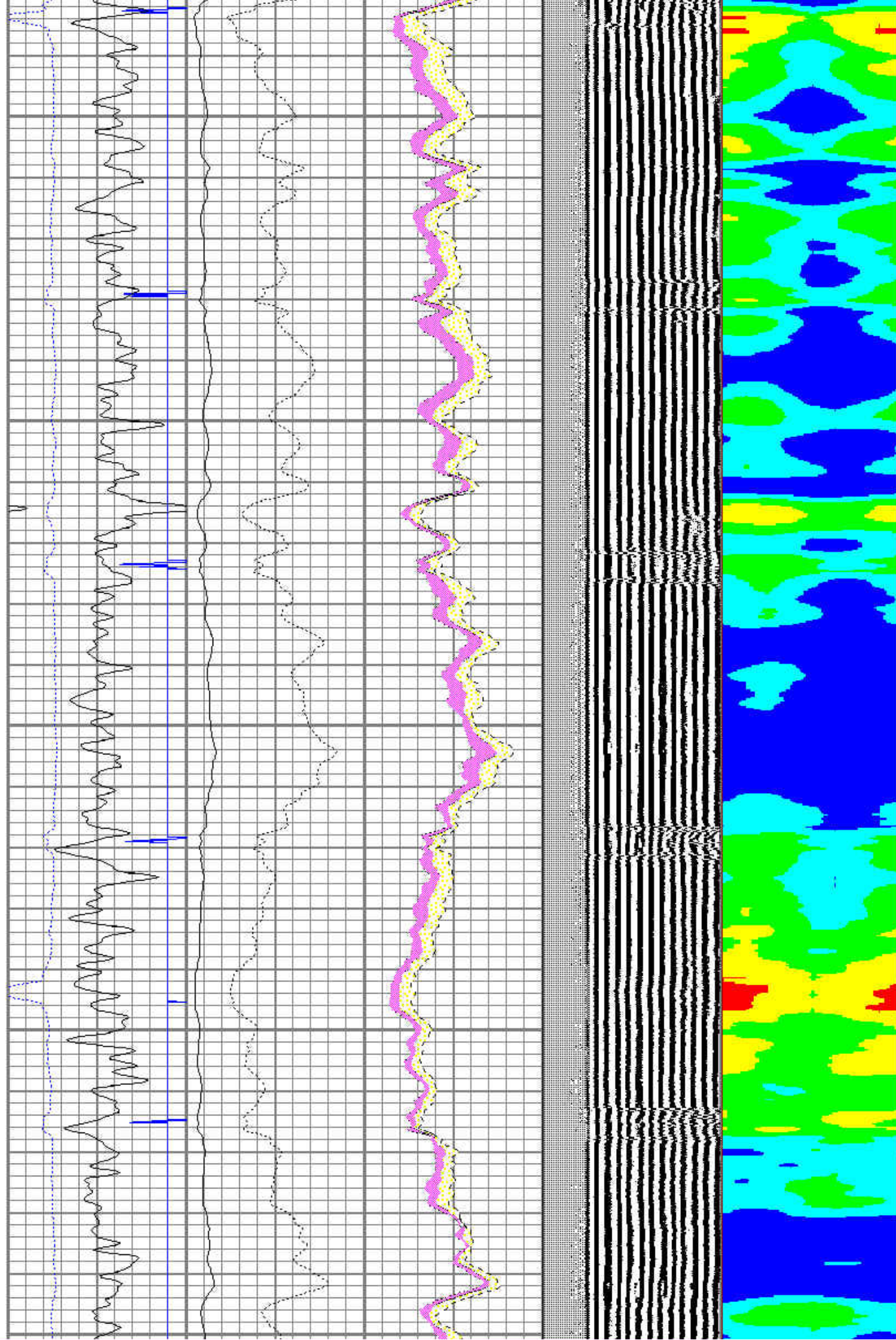




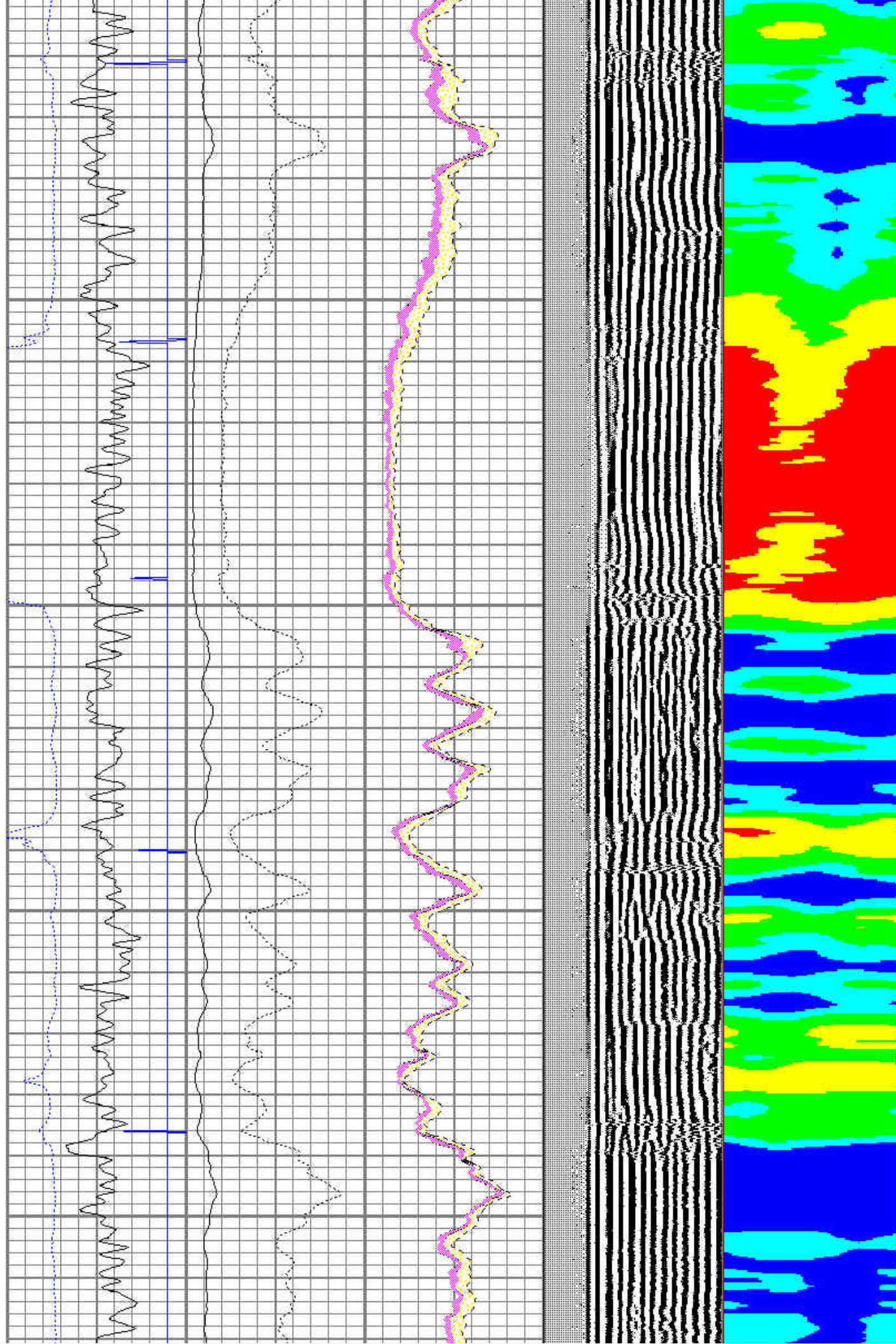
5100

5200

5300





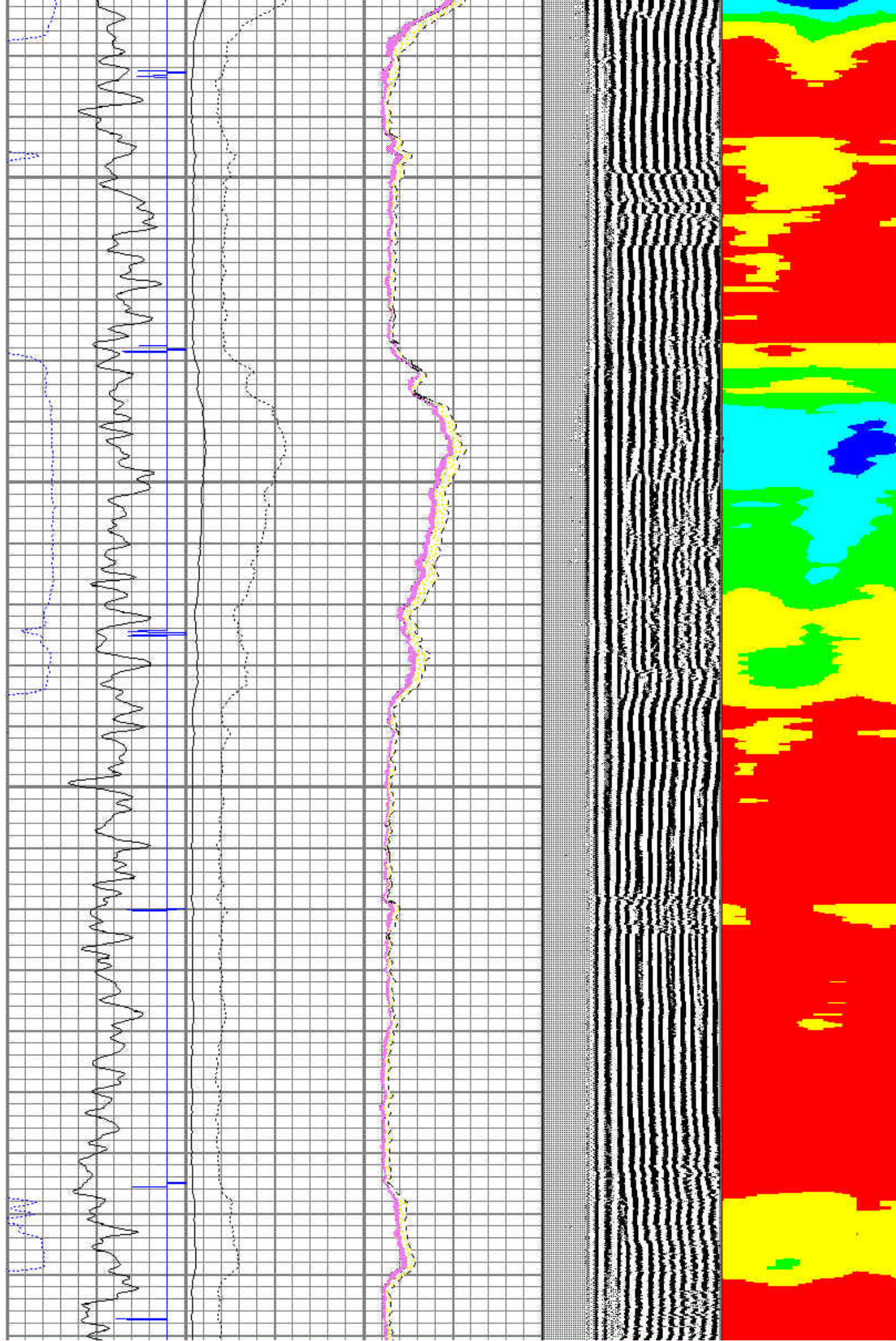


The figure displays a series of seismic data panels. The top panel is a color-coded seismic image, likely a reflection profile, showing various geological features in red, yellow, green, and blue. Below this is a series of black and white seismic traces, which appear to be stacked sections or individual traces from a seismic survey. The bottom panel shows a series of blue and green traces on a grid background, possibly representing a different type of seismic data or a processed version of the top panel's data.



5600

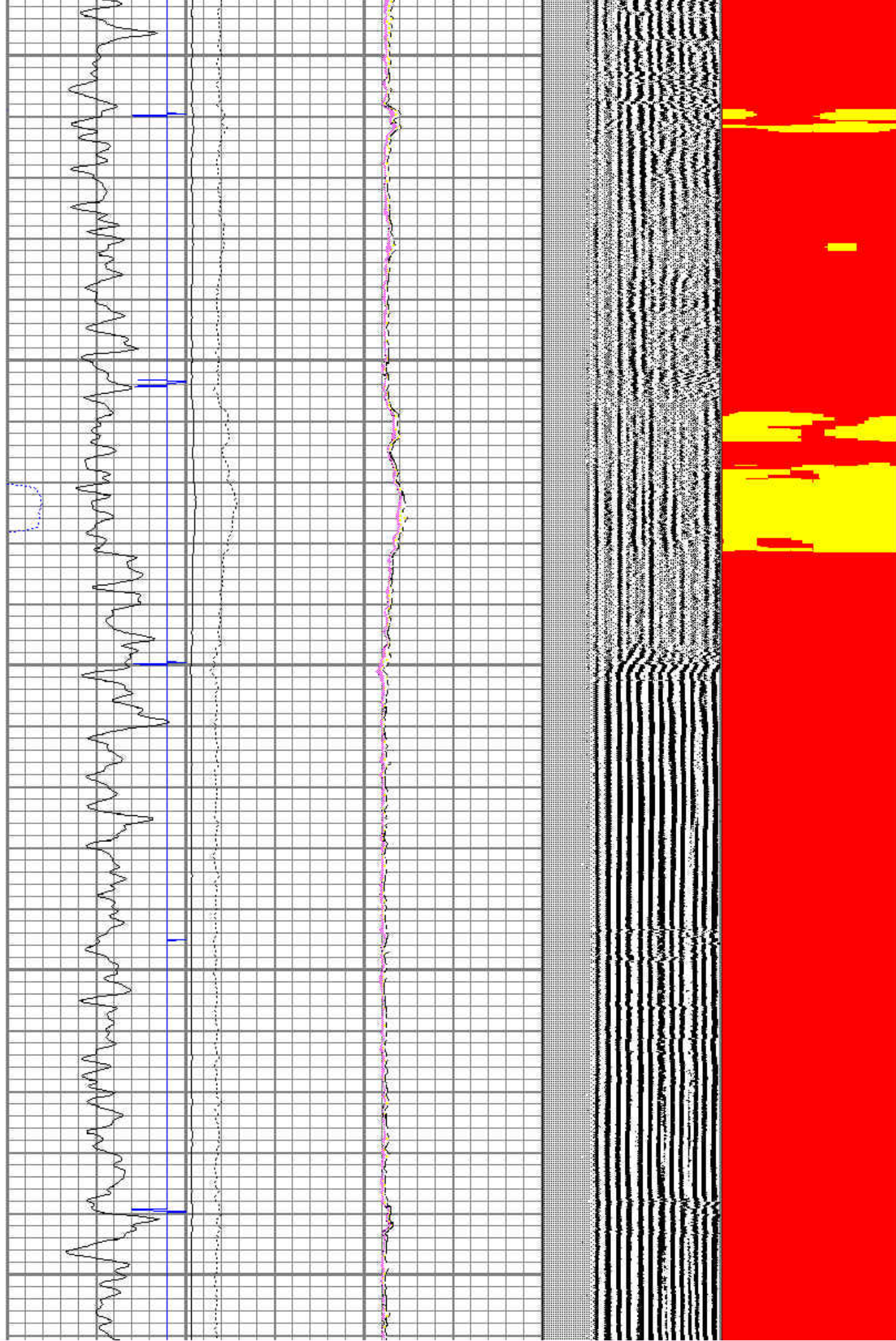
5700





5800

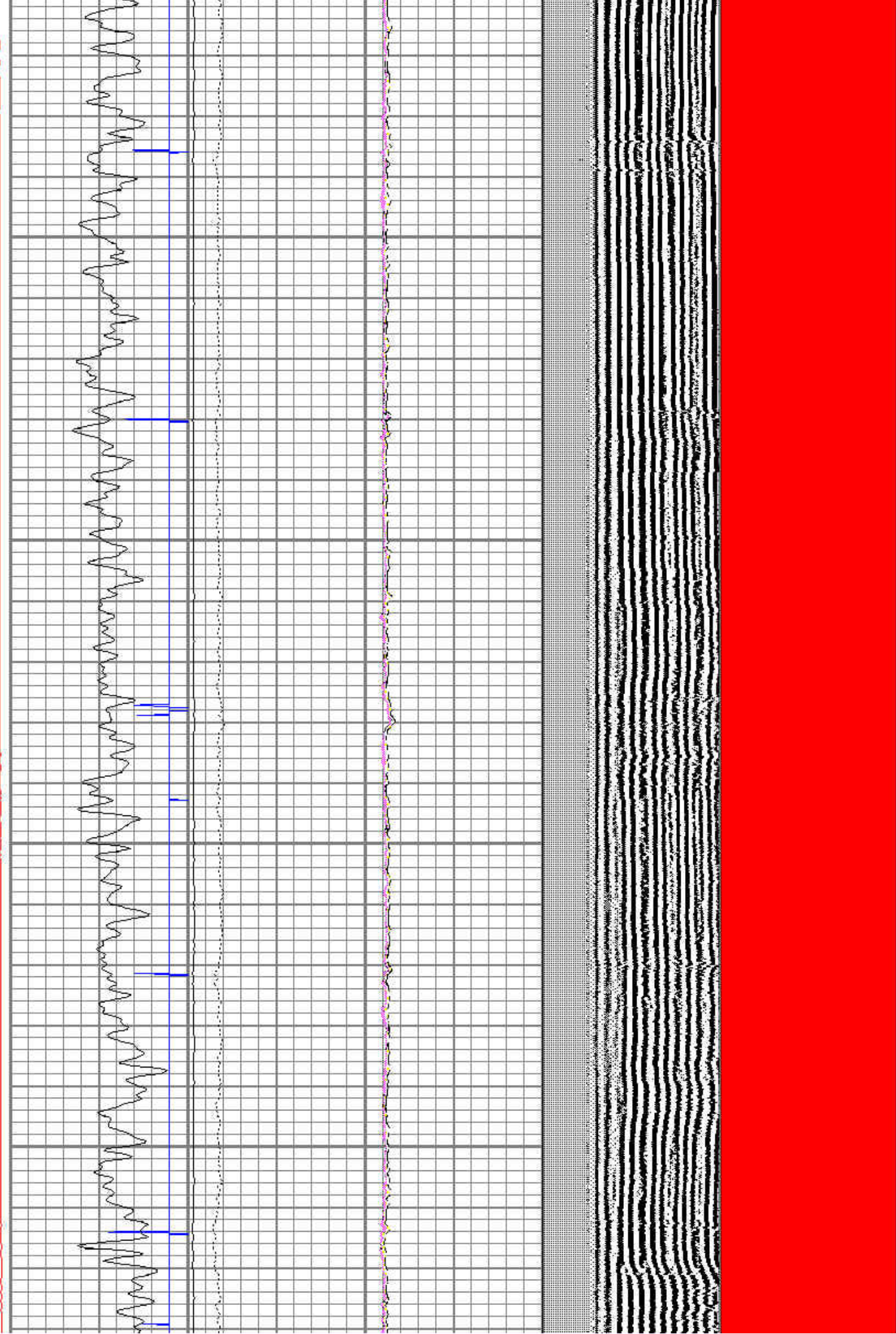
5900





6000

6100

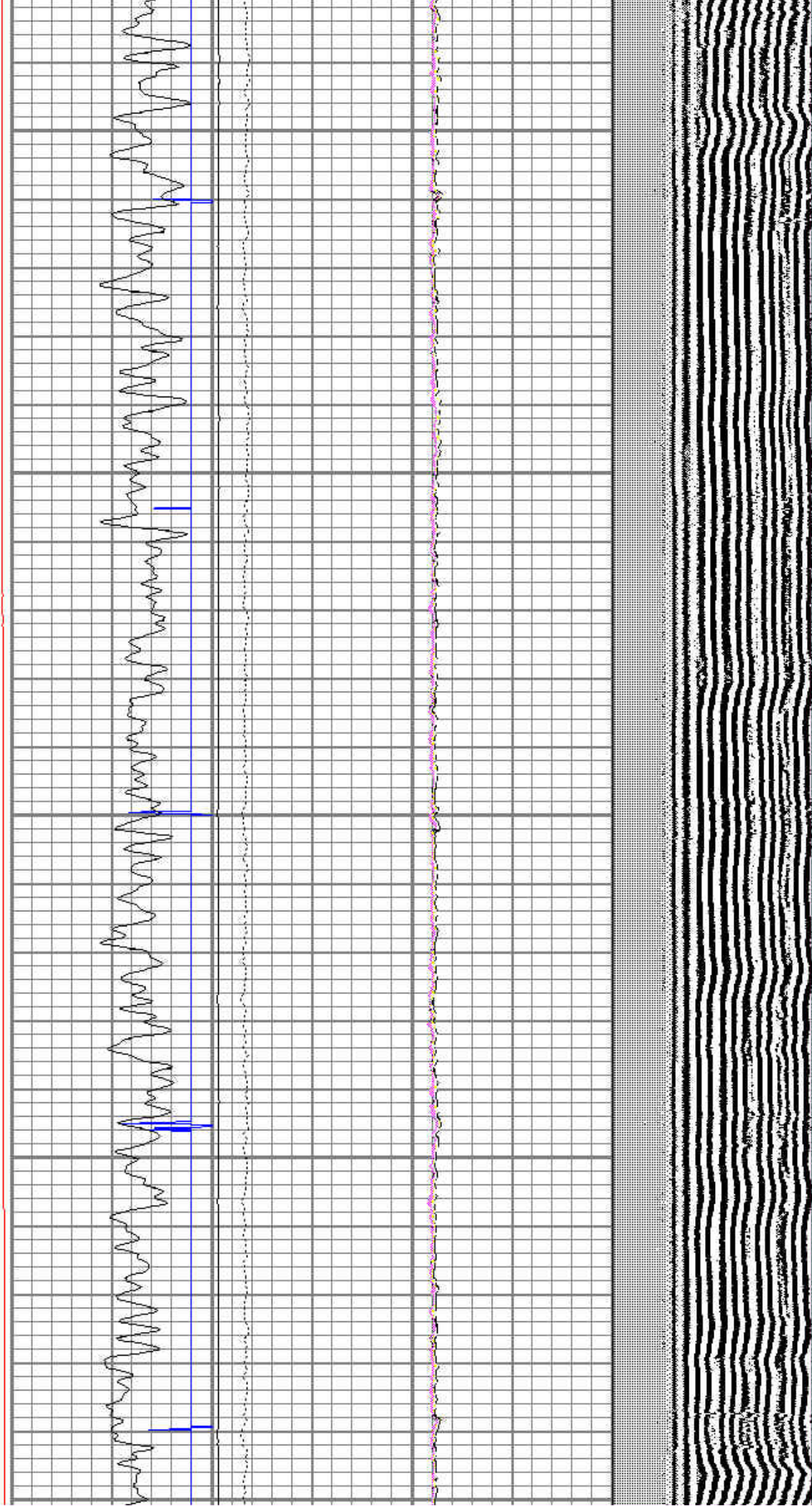




6200

6300

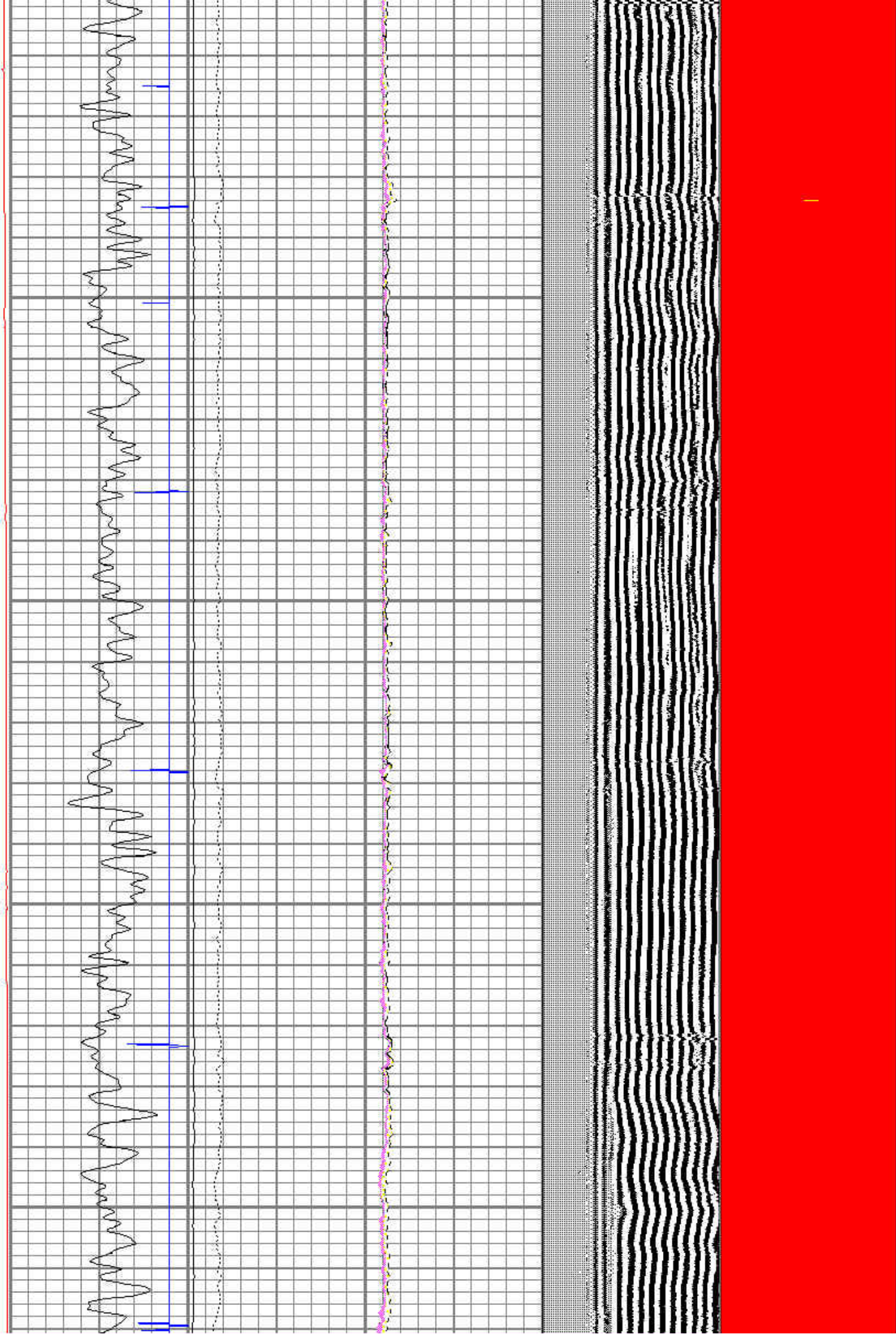
6400





6500

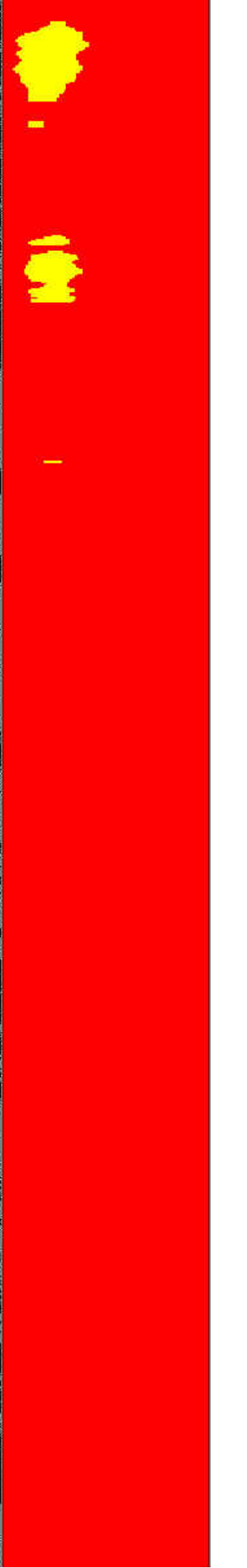
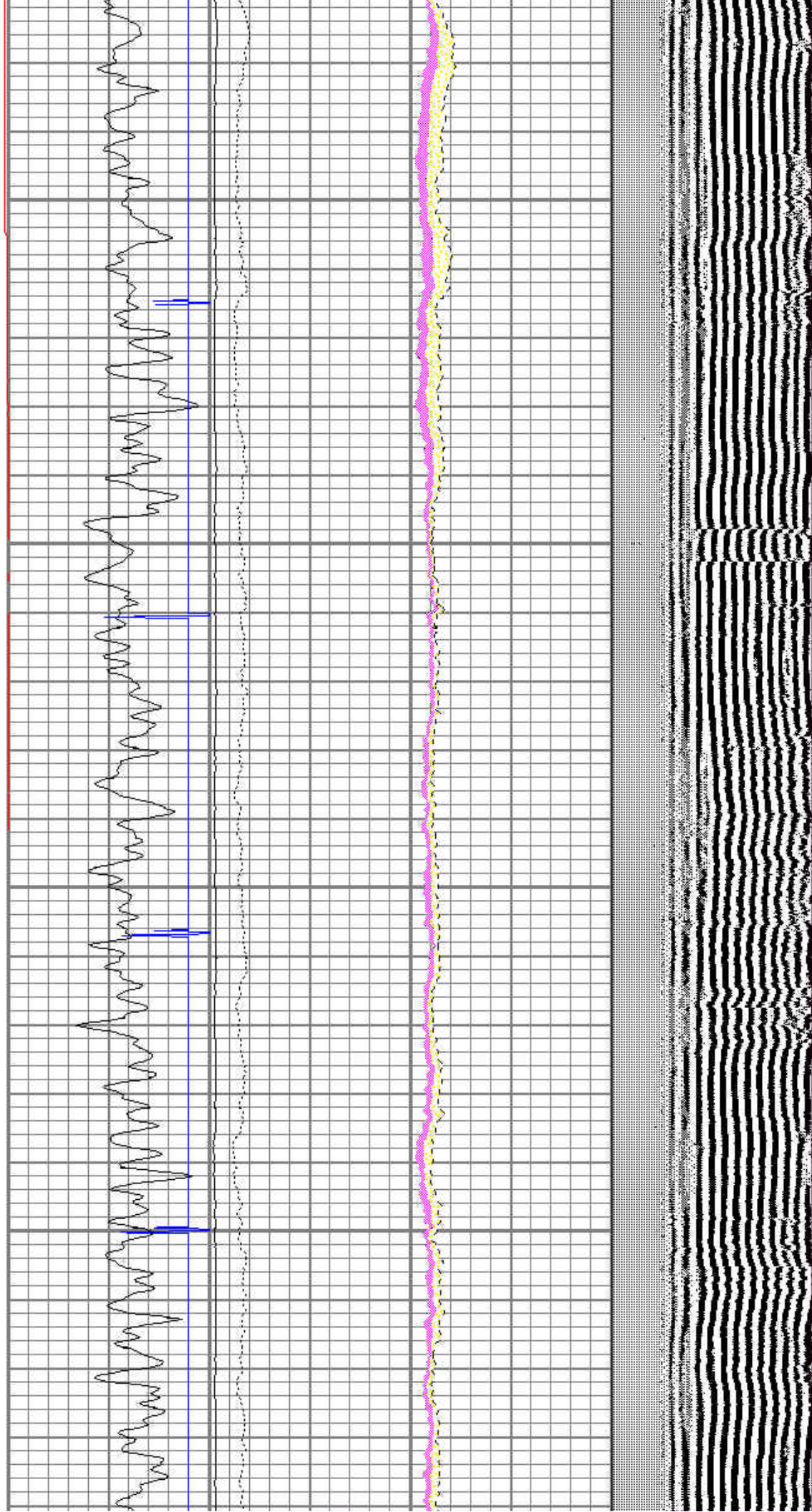
6600





6700

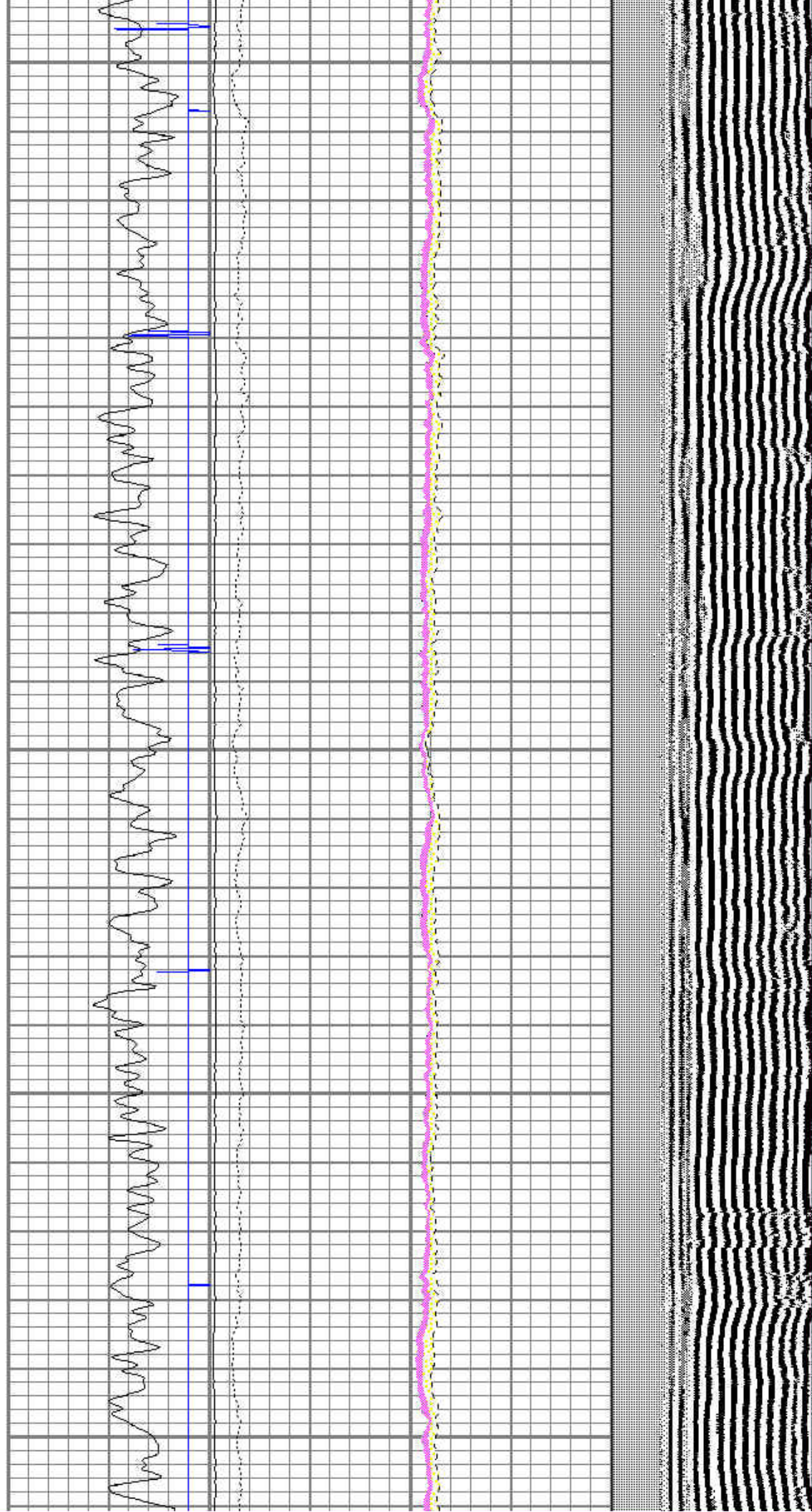
6800



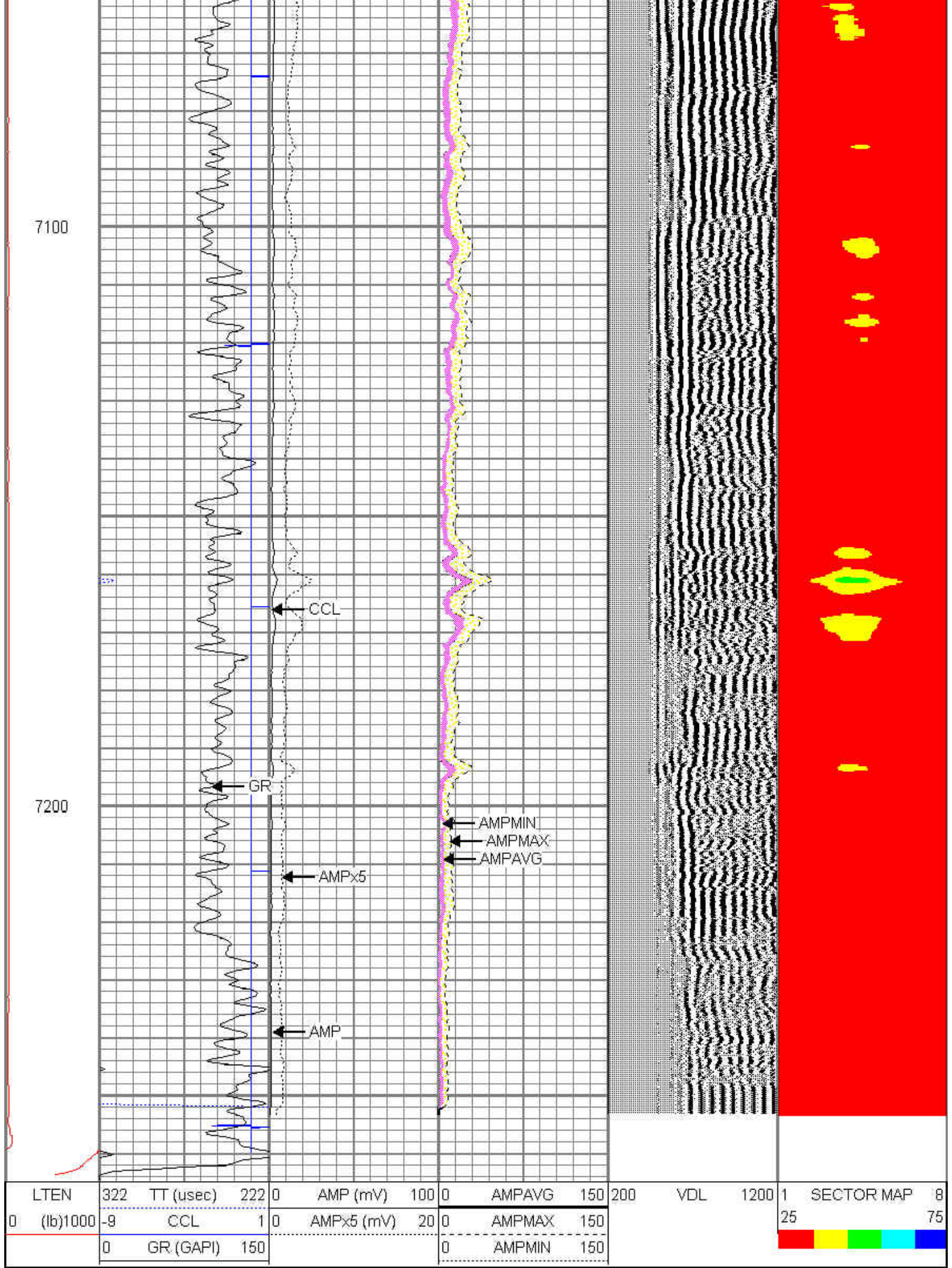


6900

7000





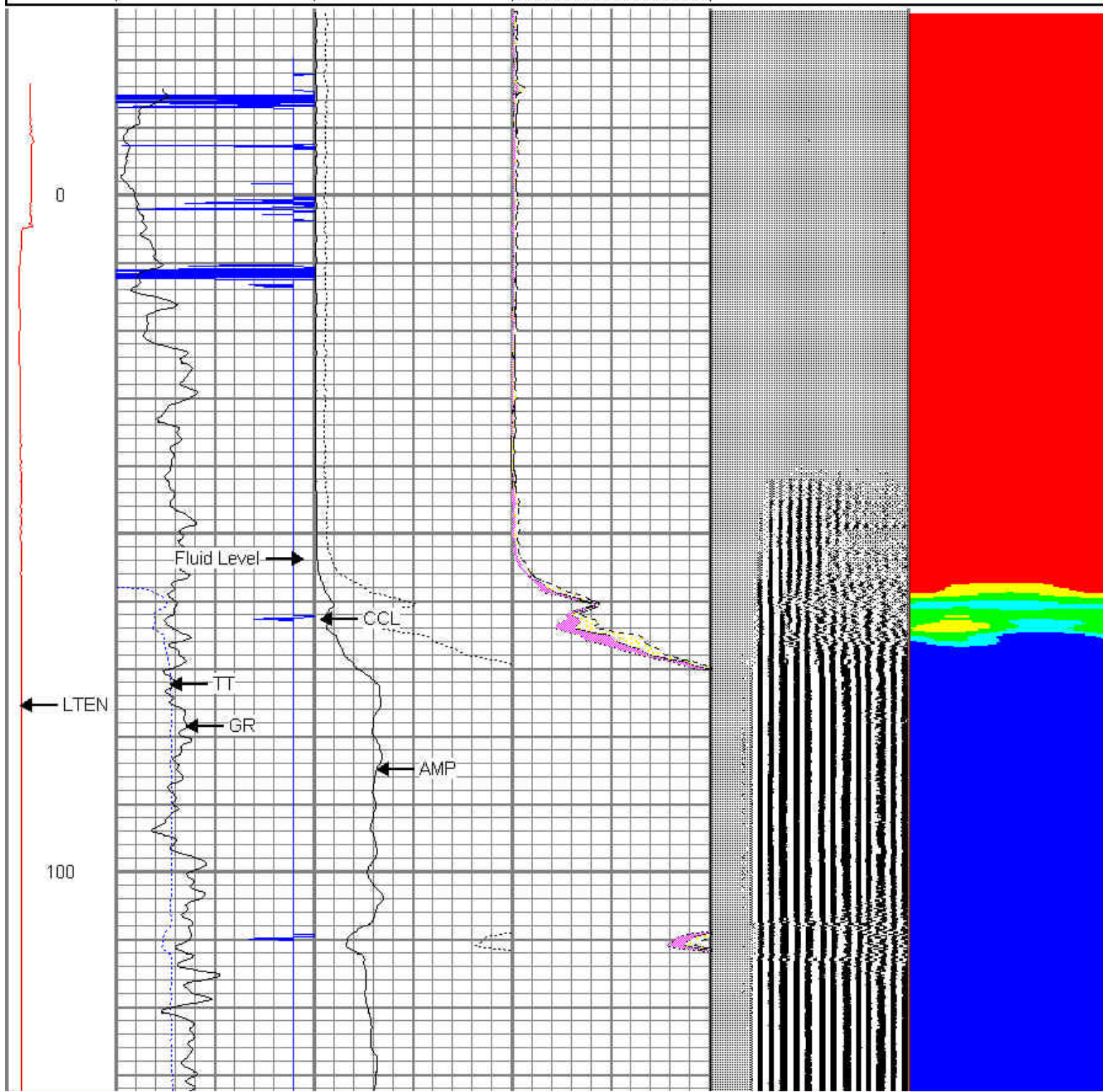




# Repeat pass surface

Database File: state1b-16h.db  
 Dataset Pathname: pass5  
 Presentation Format: schl02  
 Dataset Creation: Thu Jun 27 11:55:29 2013 by Log SCH 120430  
 Charted by: Depth in Feet scaled 1:240

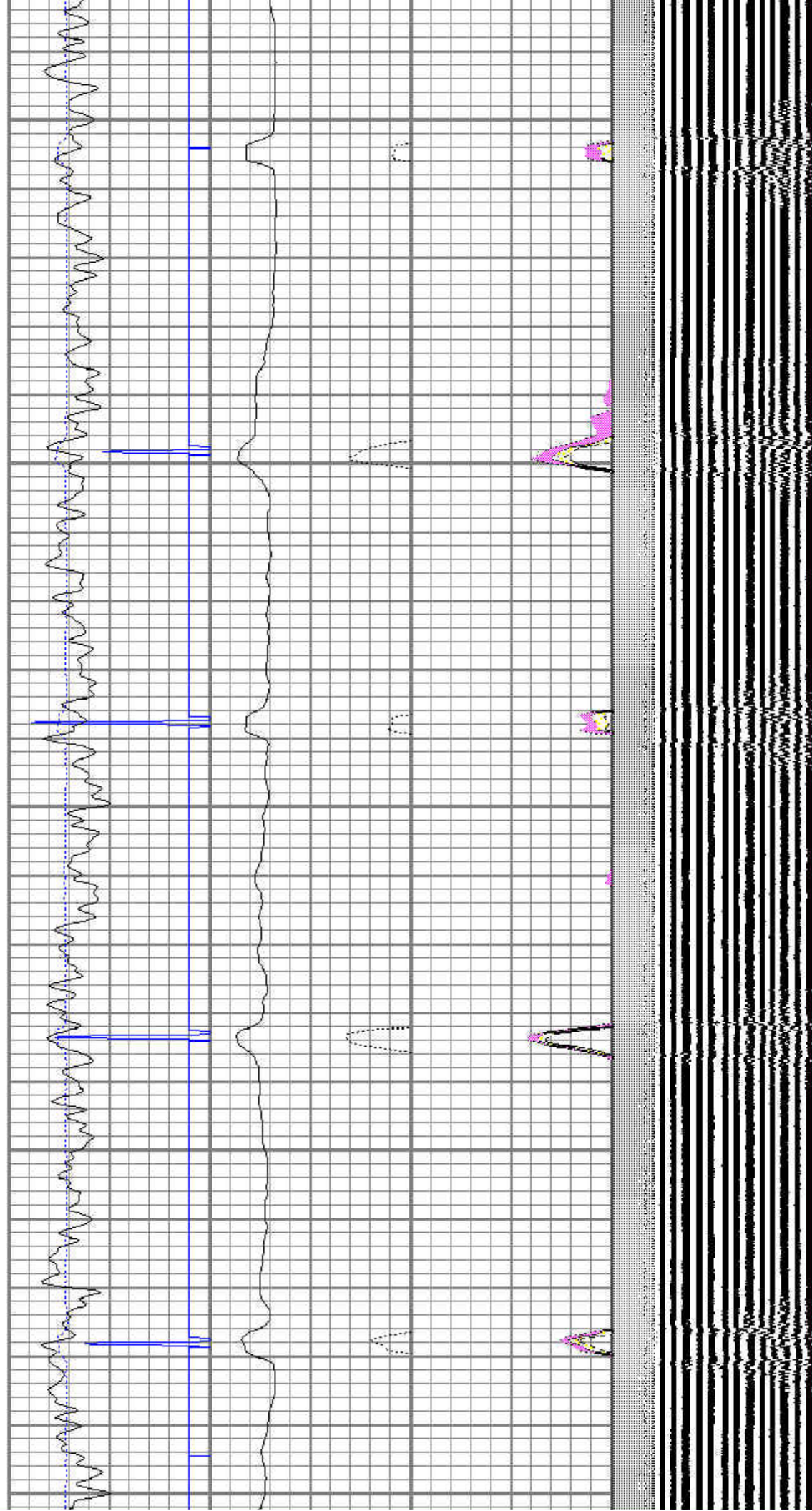
LTEN	322	TT (usec)	222	0	AMP (mV)	100	0	AMPAVG	150	200	VDL	1200	1	SECTOR MAP	8
0	(lb)1000	-9	CCL	1	0	AMPx5 (mV)	20	0	AMPMAX	150			25		75
	0	GR (GAPI)	150					0	AMPMIN	150					





200

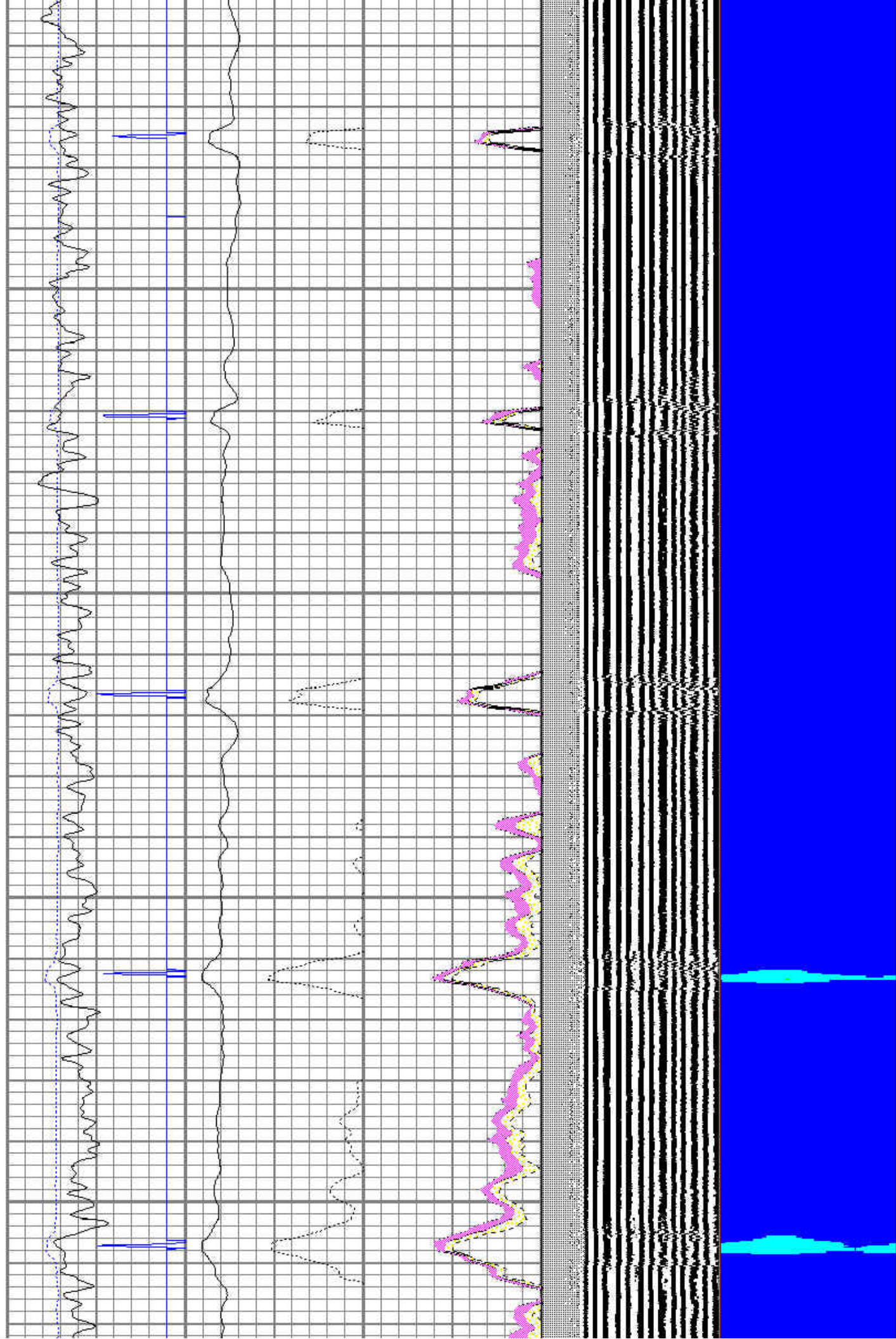
300





400

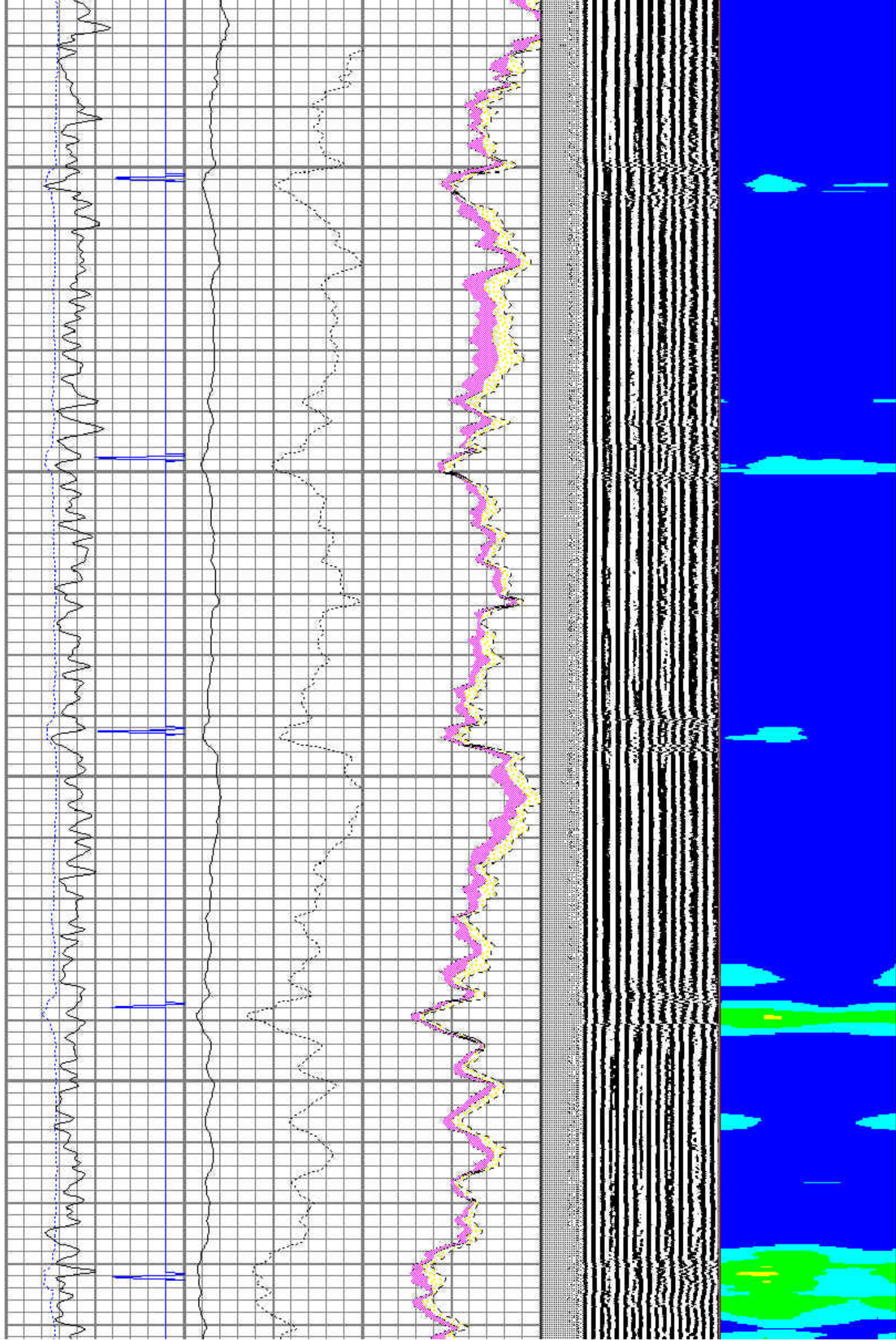
500





600

700

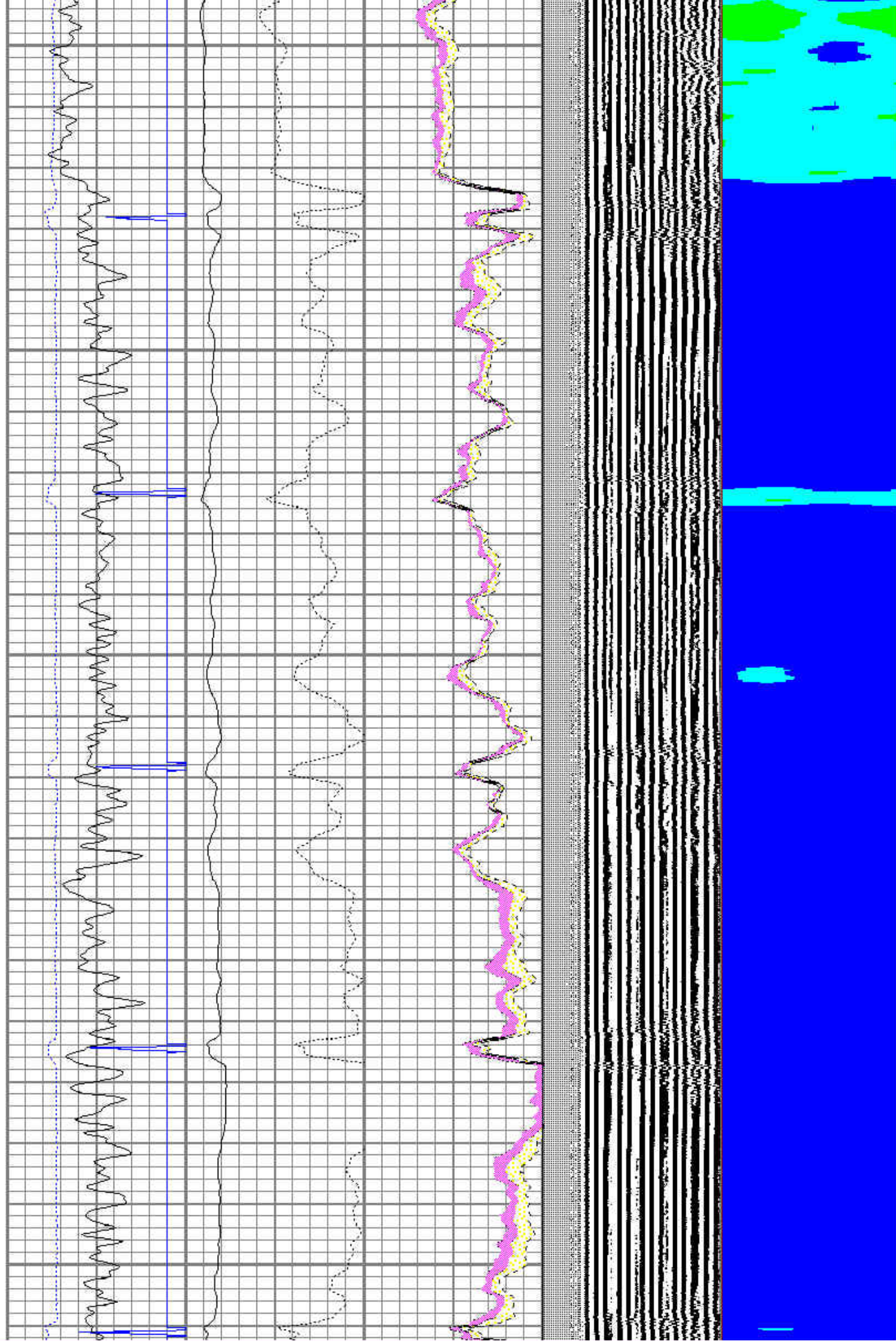




800

900

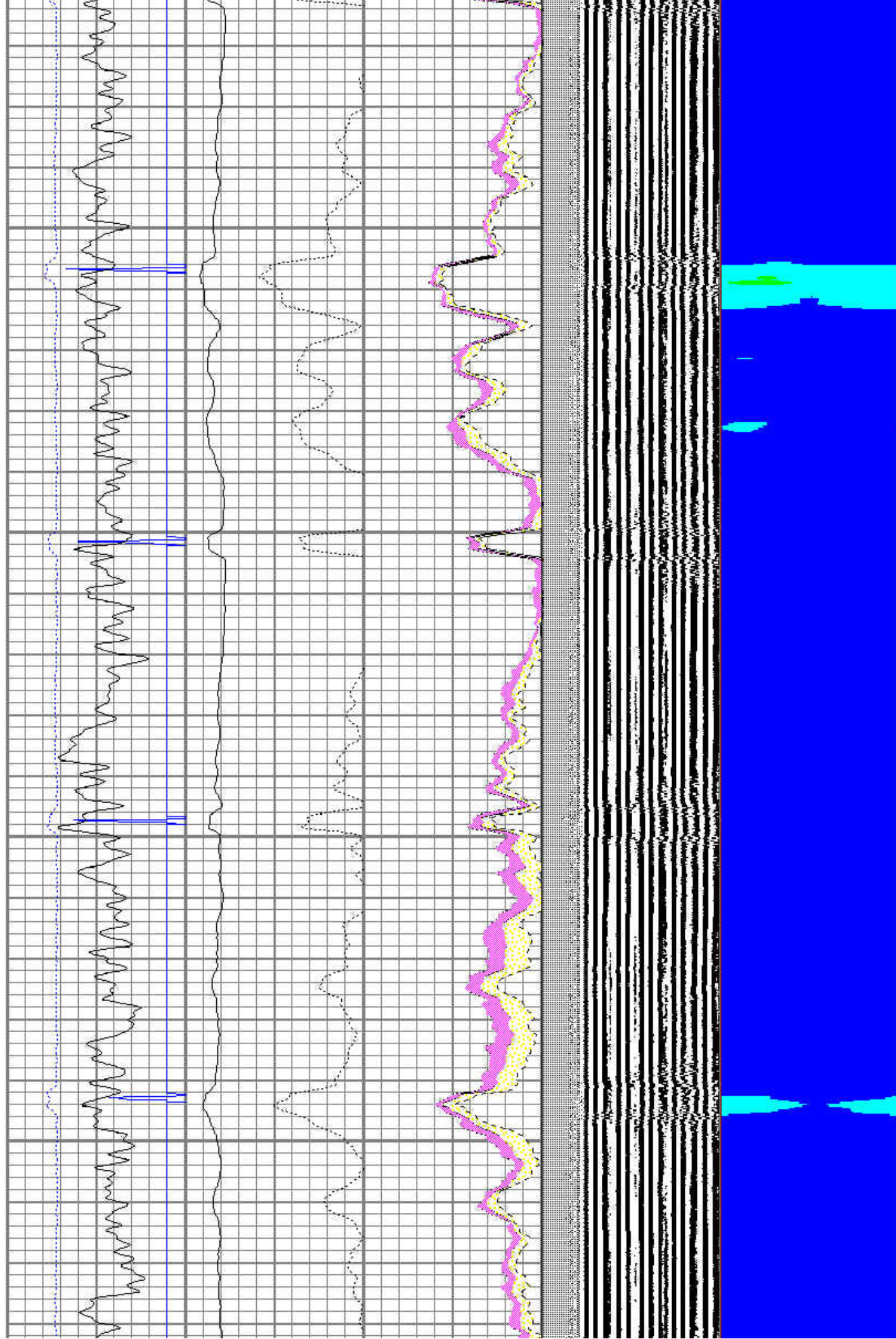
1000





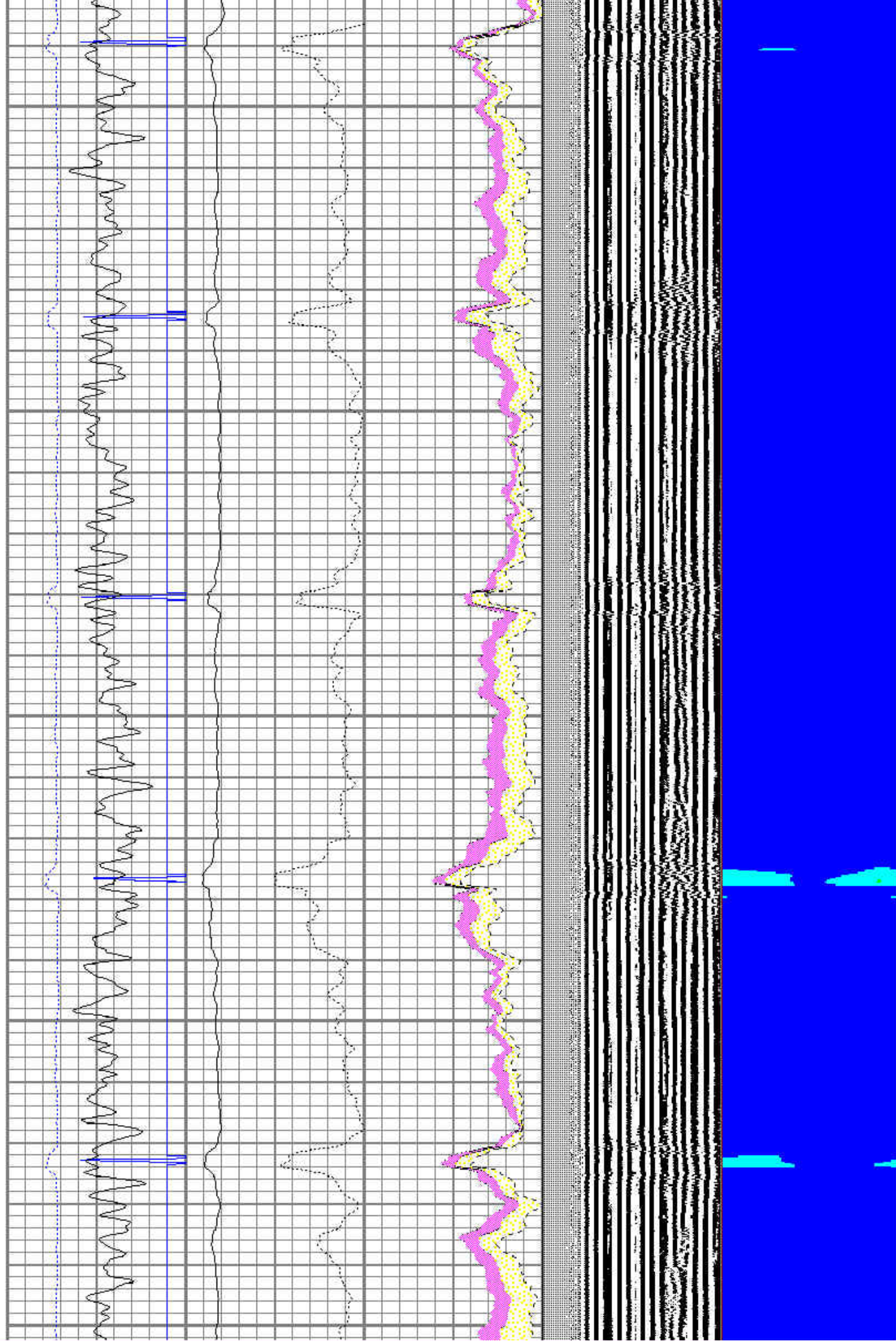
1100

1200





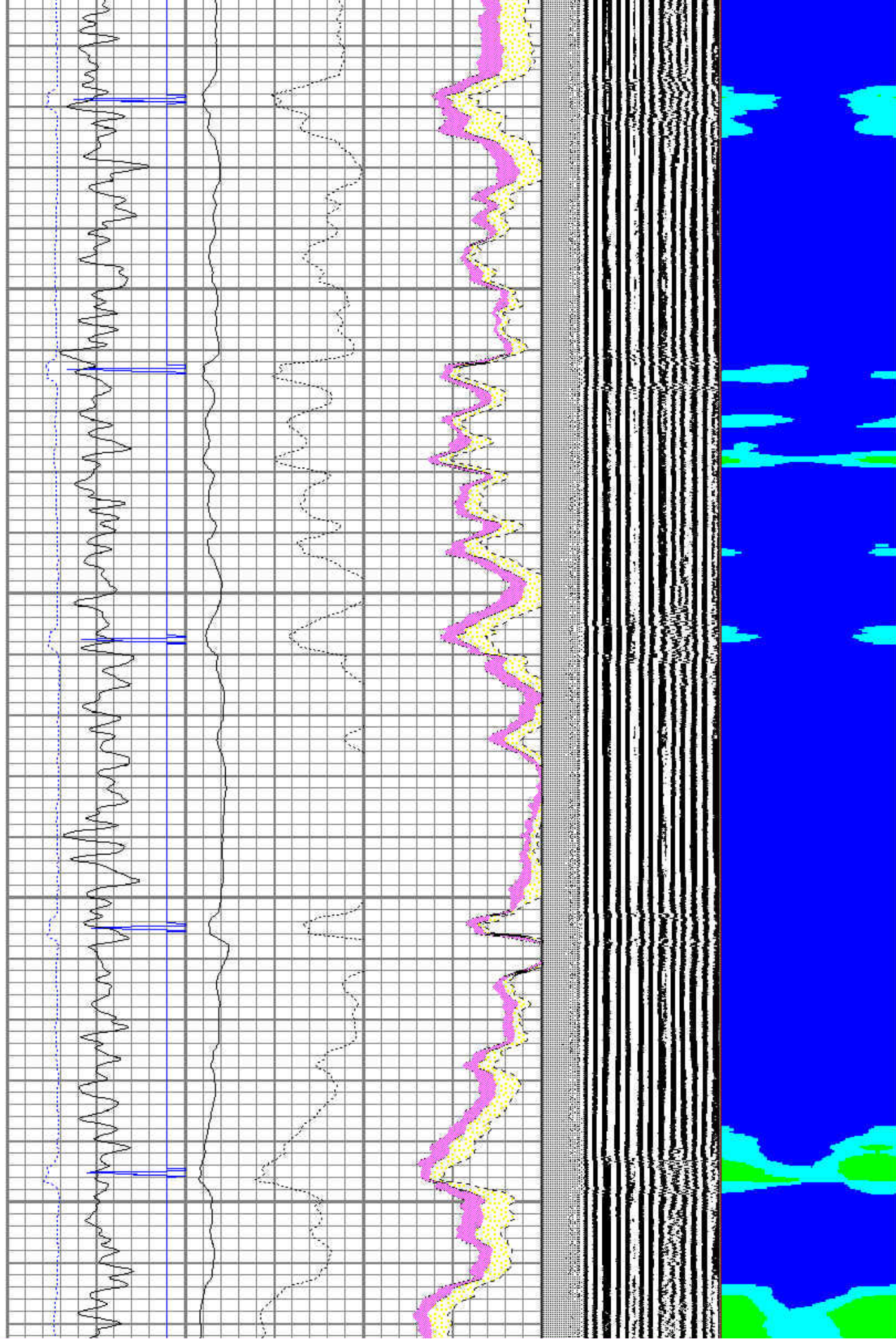
1400





1500

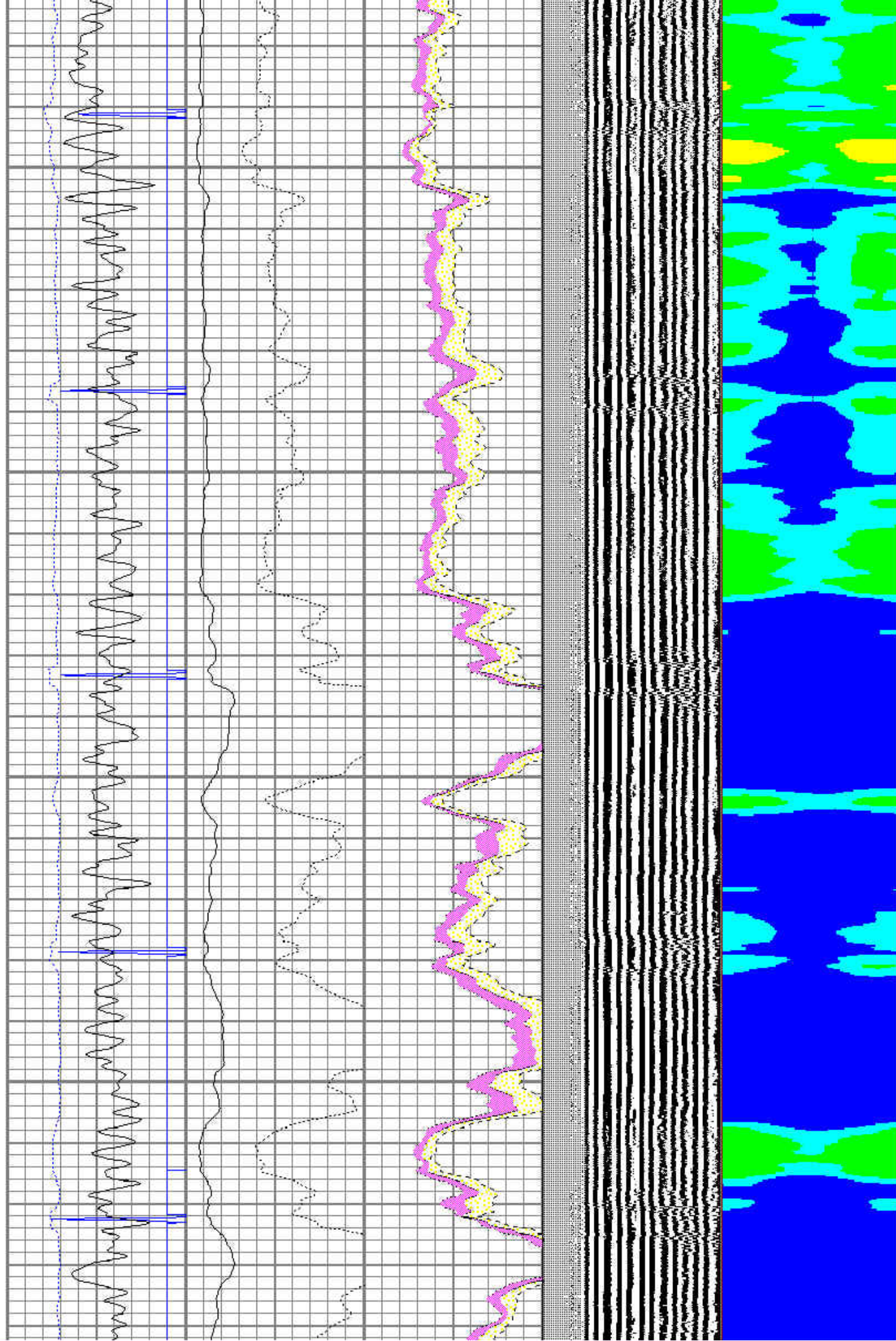
1600





1700

1800

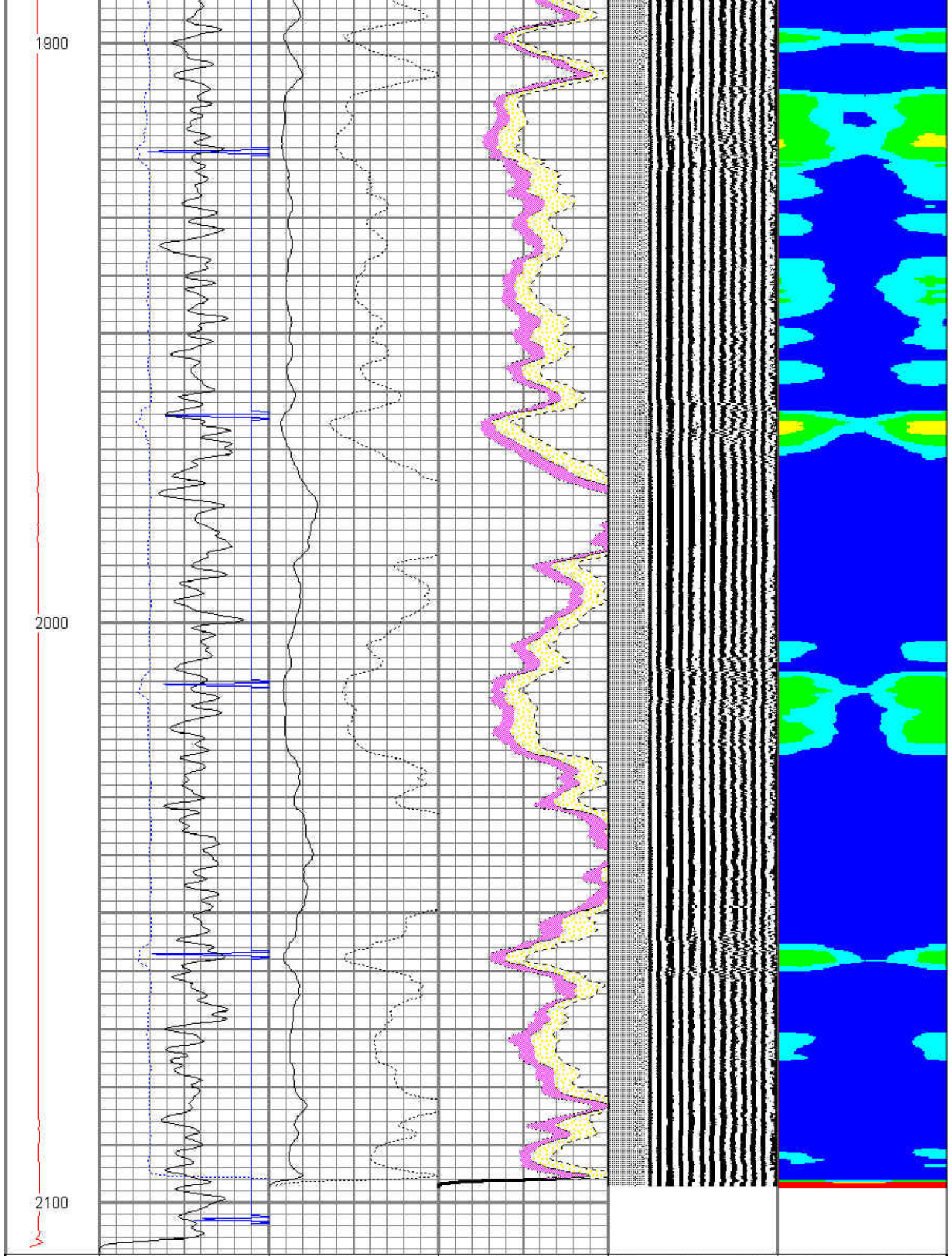




1900



2000

2100





0	(lb)1000	-9	CCL	1	0	AMPx5 (mV)	20	0	AMPMAX	150	25	75
		0	GR (GAPI)	150				0	AMPMIN	150		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVFS3FT	11.63		RBT-Probe (4.5040904)	8.88	2.75	90.00
WVFCAL	11.63		Prototype Probe Radii Bond Tool with Digital Telemetry			
WVFS1	11.63					
WVFS2	11.63					
WVFS3	11.63					
WVFS4	11.63					
WVFS5	11.63					
WVFS6	11.63					
WVFS7	11.63					
WVFS8	11.63					
WVFS5FT	10.63					
			PTS275	2.83	2.75	
CCL	3.63		GR-Probe275 (030606)	4.54	2.75	57.00
GR	0.89					



Dataset:	state1b-16h.db: field/well/run1/pass3
Total Length:	19.08 ft
Total Weight:	147.00 lb
O.D.	2.75 in