



RADIAL BOND LOG
VDL & CCL
GAMMA RAY

Pioneer Energy Services

Company ANADARKO PETROLEUM CORP
Well WIRKNER-VANCE 29N-36HZ
Field WATTENBERG
County WELD
State CO

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Well WIRKNER-VANCE 29N-36HZ
Field WATTENBERG
County WELD State CO

Location: API #: 05123378810000
SHL: 396' FSL & 854' FWL
SWSW
Permanent Datum GL Elevation 4823
Log Measured From KB
Drilling Measured From KB
Other Services
CALIPER
Elevation
K.B. 4837
D.F. 4837
G.L. 4823

Date	JANUARY 21, 2014
Run Number	ONE
Depth Driller	11696
Depth Logger	6636
Bottom Logged Interval	6635
Top Log Interval	SURFACE
Open Hole Size	8-3/4"
Type Fluid	WATER
Density / Viscosity	8.33 / 32
Max. Recorded Temp.	214
Estimated Cement Top	40
Time Well Ready	ROA
Time Logger on Bottom	14:30
Equipment Number	24
Location	FORT MORGAN, CO
Recorded By	LEROY HOBBS
Witnessed By	TREVOR DANIEL
SHAUN SCHUMAN	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	9.625"	36#	SURFACE	1015			
Prot. String	7"	26#	SURFACE	7593			
Production String							
Liner	4.5"	11.6#	6671	11681			

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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

SO. 206048

W

S O O O O O X O O N

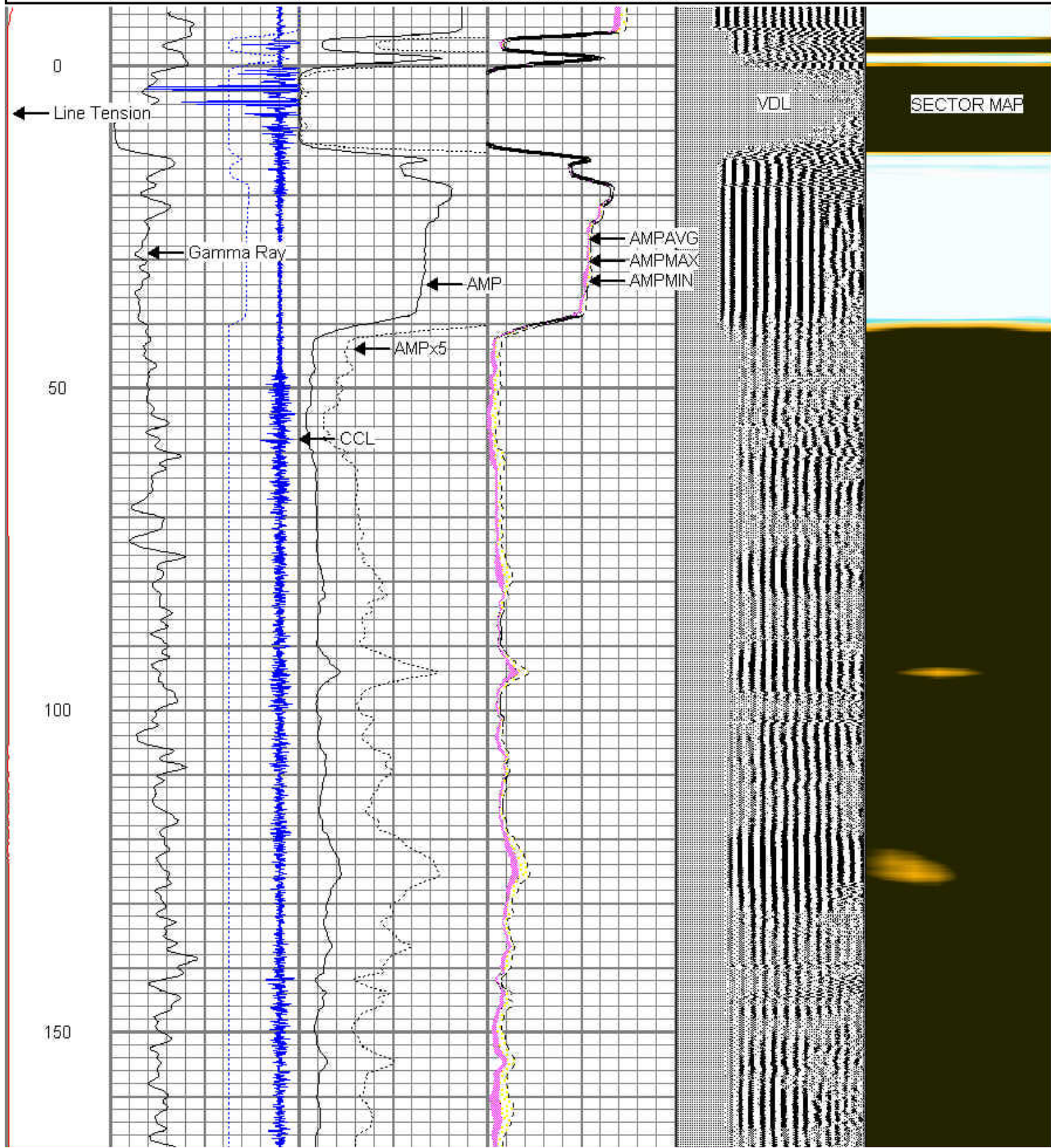
E

THANK YOU FOR USING PIONEER ENERGY SERVICES!

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

Database File: w-v 29n-36hz_rcbl.db
 Dataset Pathname: PASS1.2
 Presentation Format: scbl02
 Dataset Creation: Tue Jan 21 19:05:03 2014
 Charted by: Depth in Feet scaled 1:240

Line Tension	375	TT (usec)	275	0	AMP (mV)	100	0	AMPAVG	150	200	VDL	1200	1	SECTOR MAP	8
0 (lb)2000	-9	CCL	1	0	AMPx5 (mV)	30	0	AMPMAX	150				25		75
	0	GR (GAPI)	200				0	AMPMIN	150						

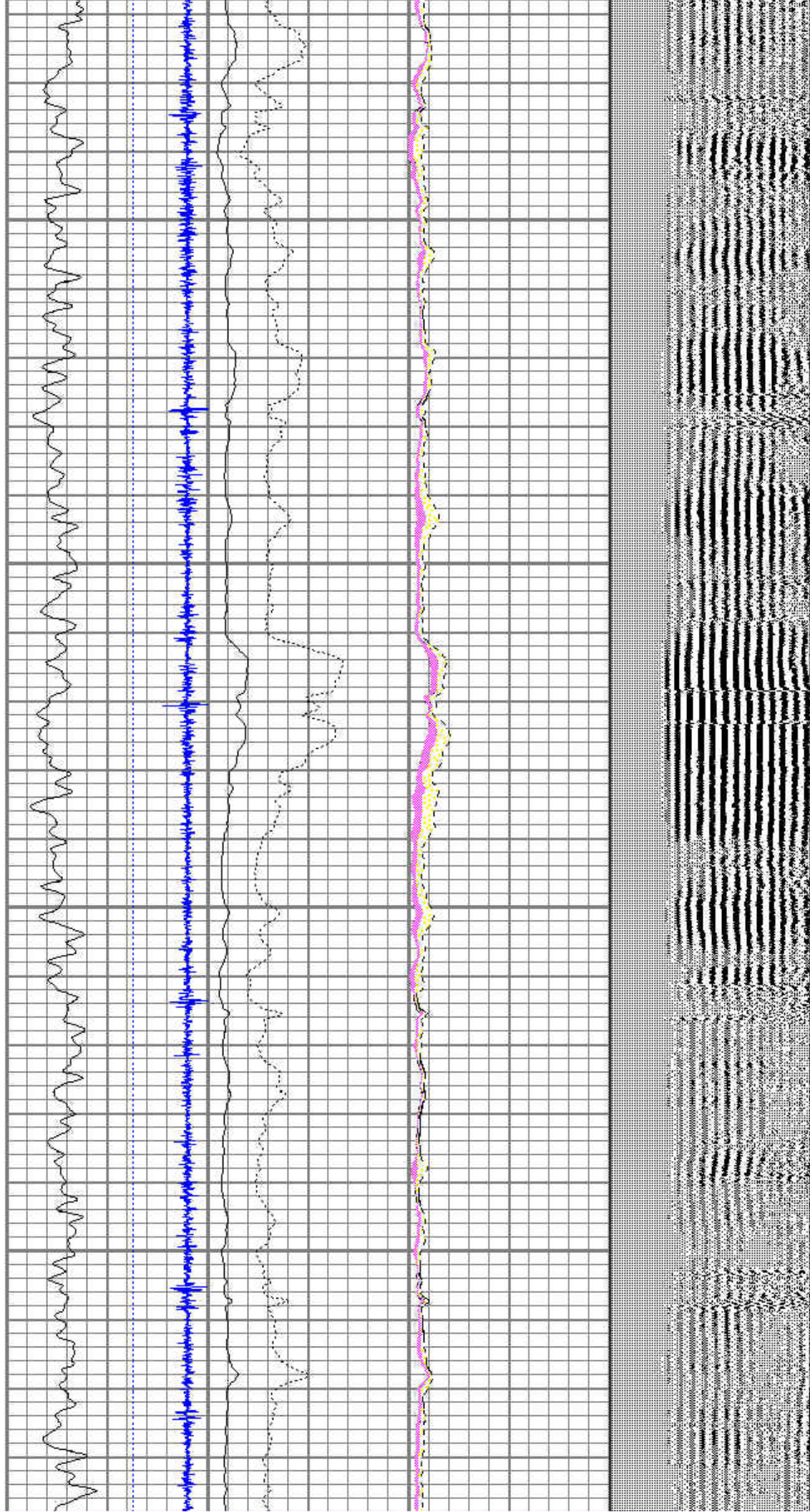


200

250

300

350



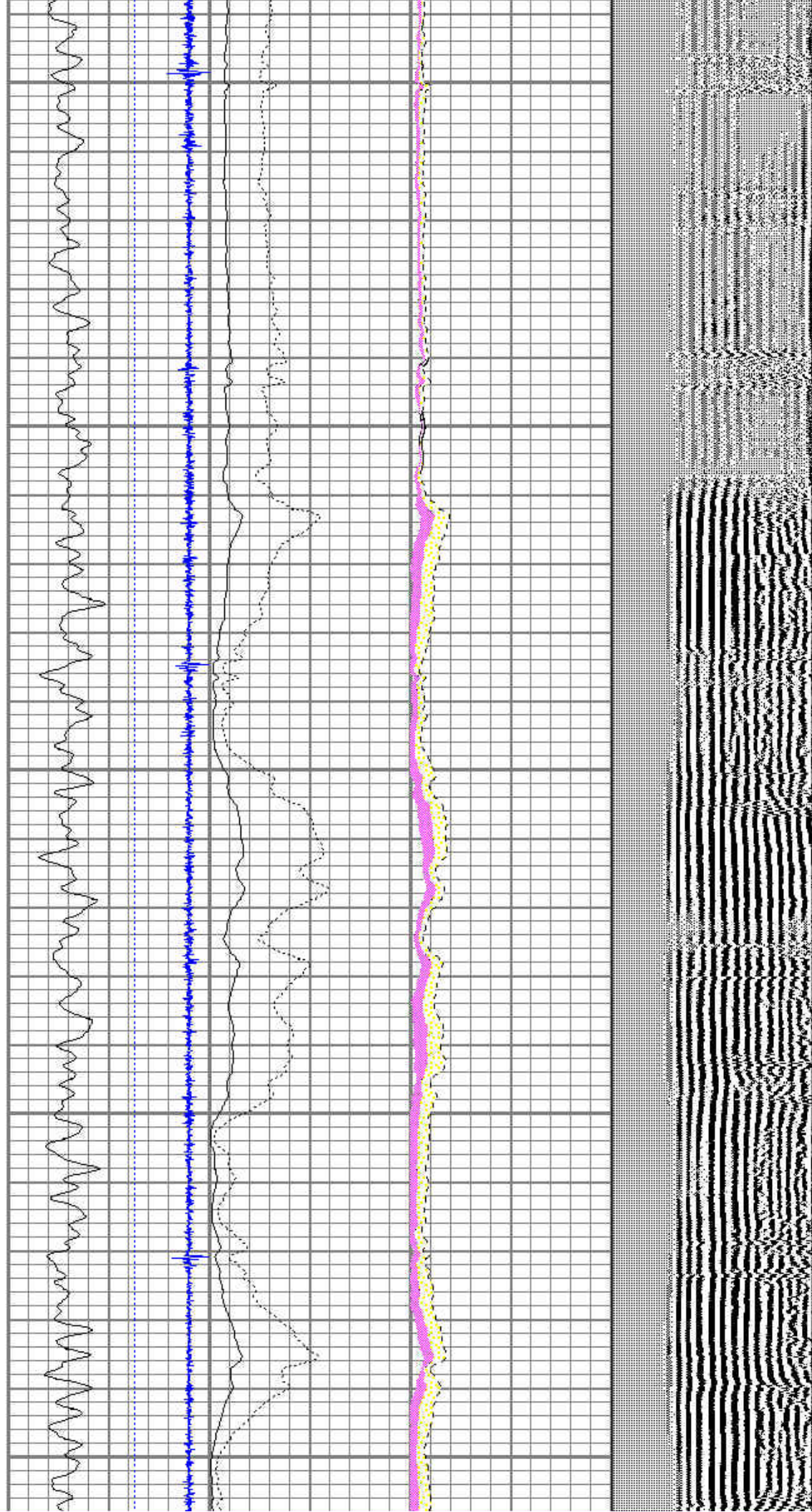
400

450

500

550

600

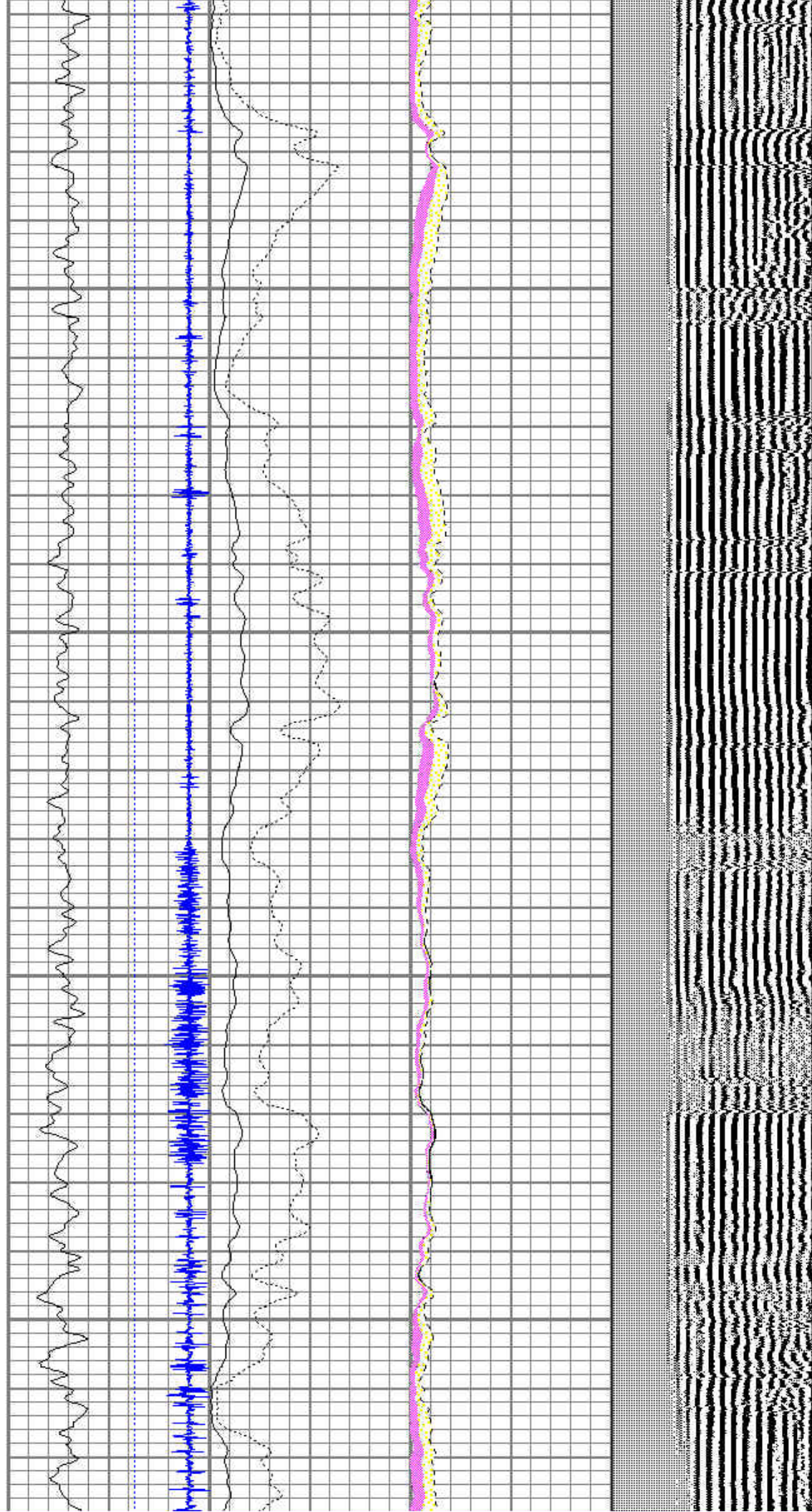


650

700

750

800

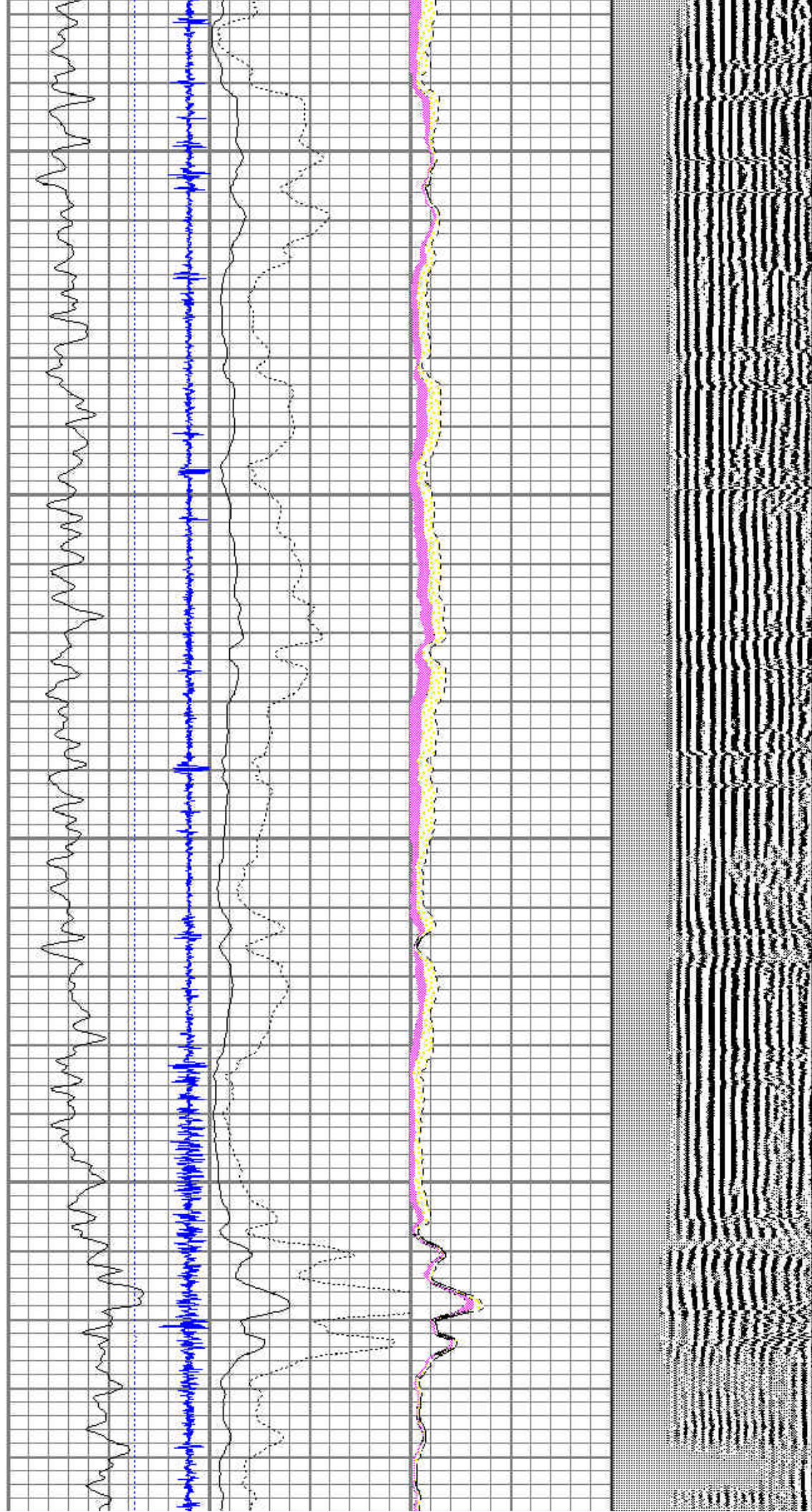


850

900

950

1000



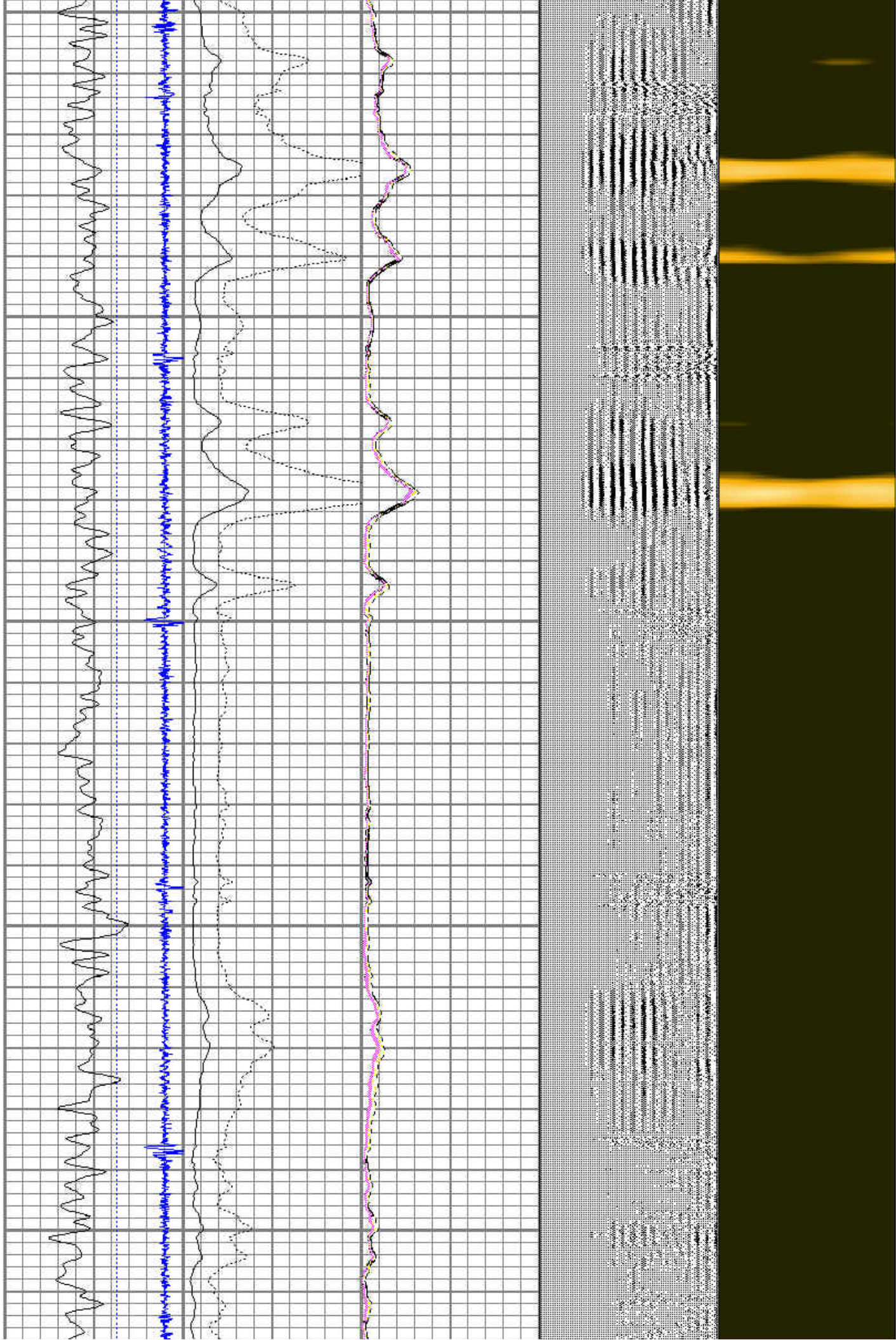
1050

1100

1150

1200

1250

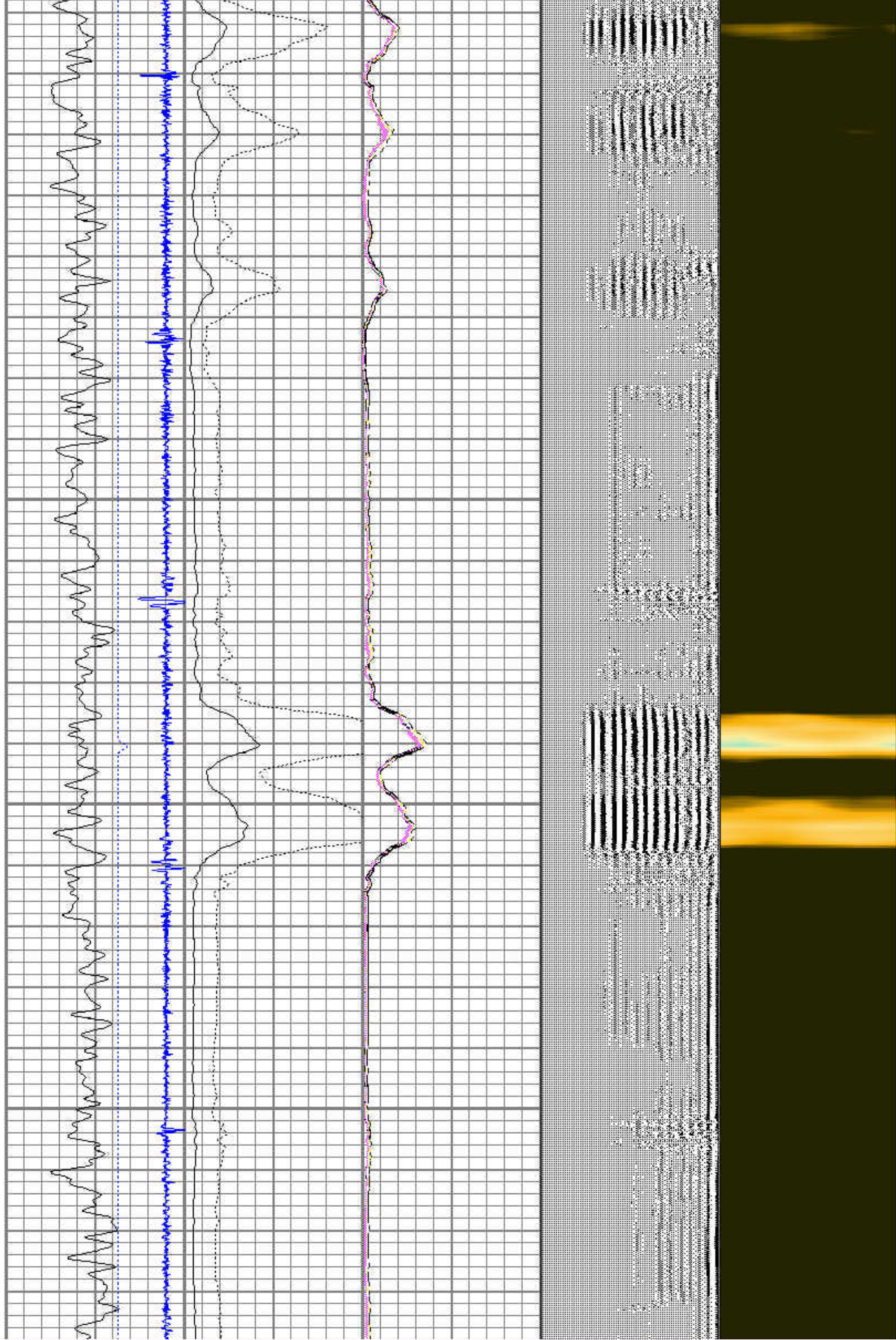


1300

1350

1400

1450



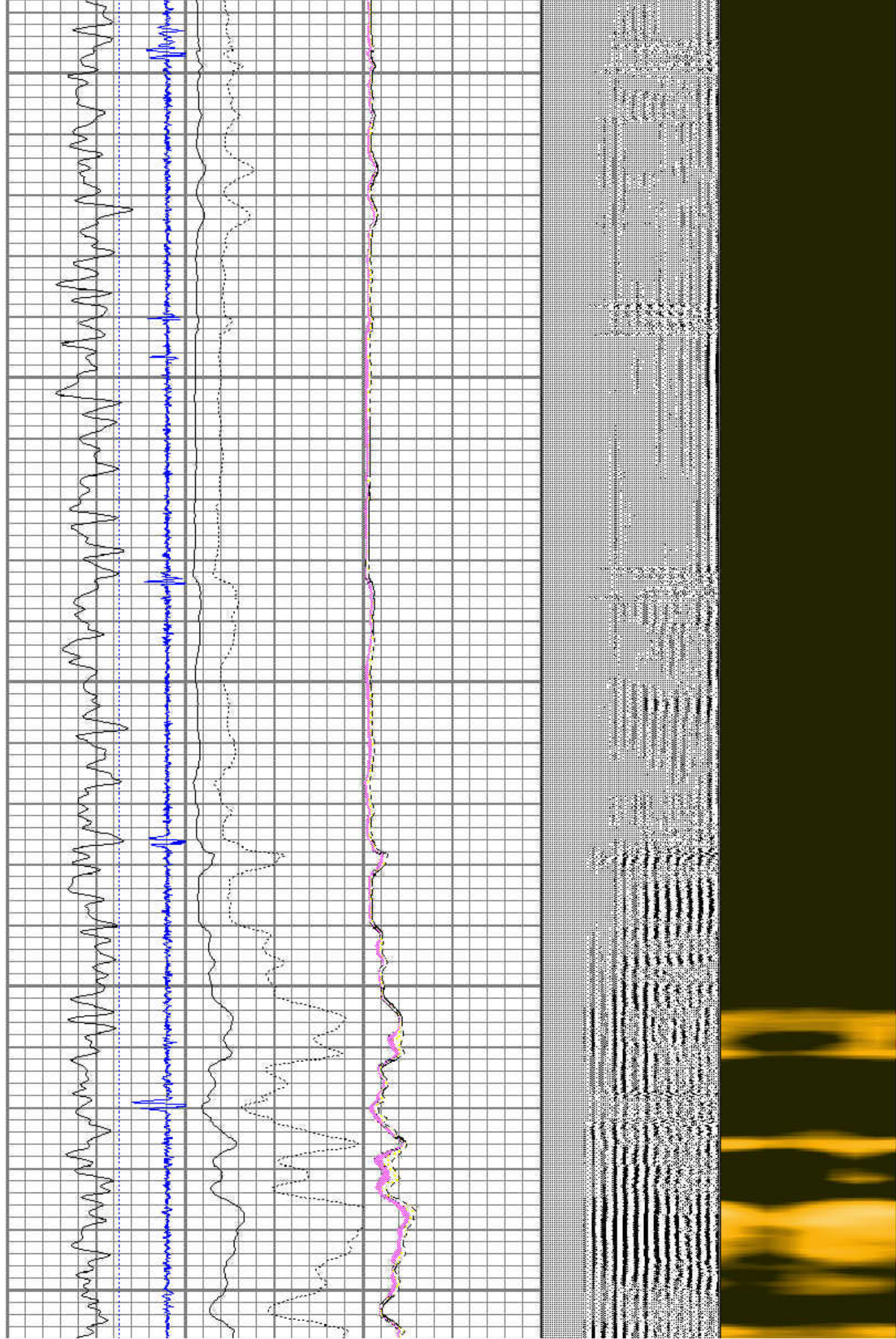
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1550

1600

1650

1700

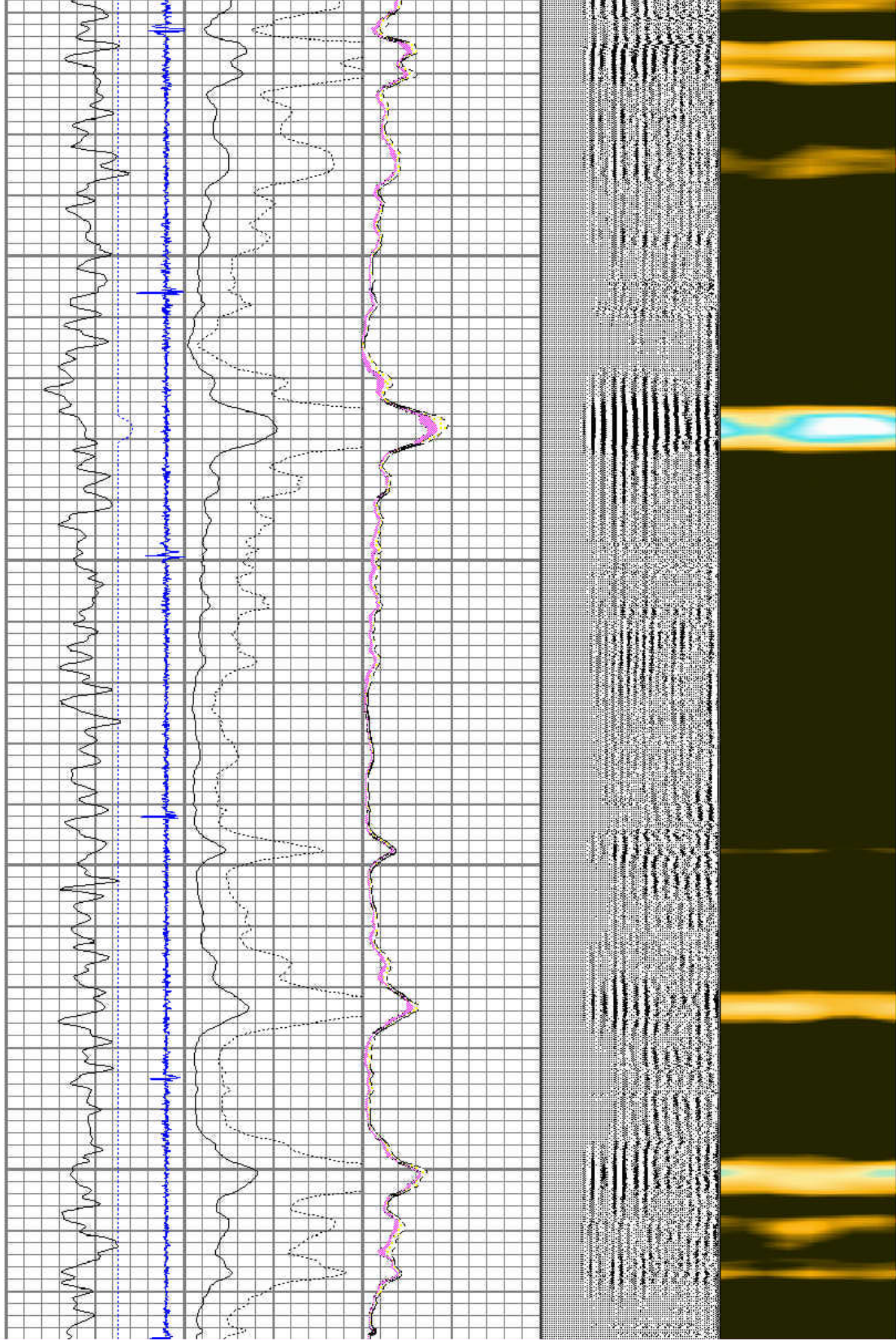


1750

1800

1850

1900

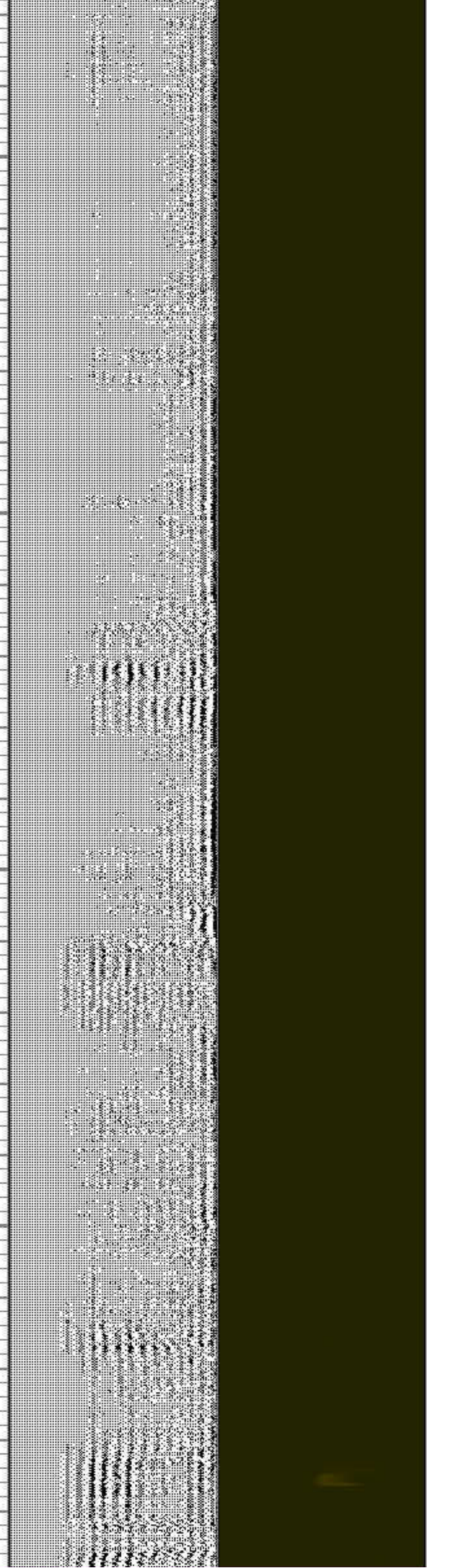
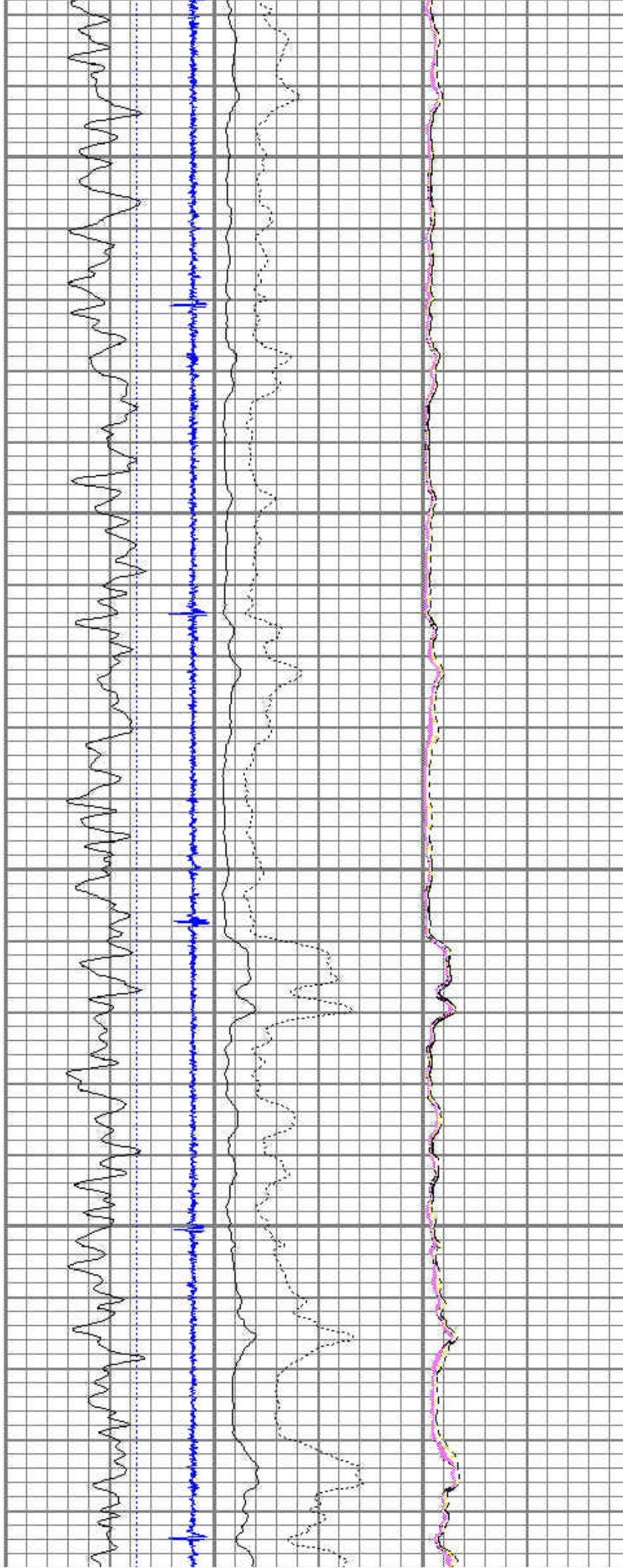


1950

2000

2050

2100



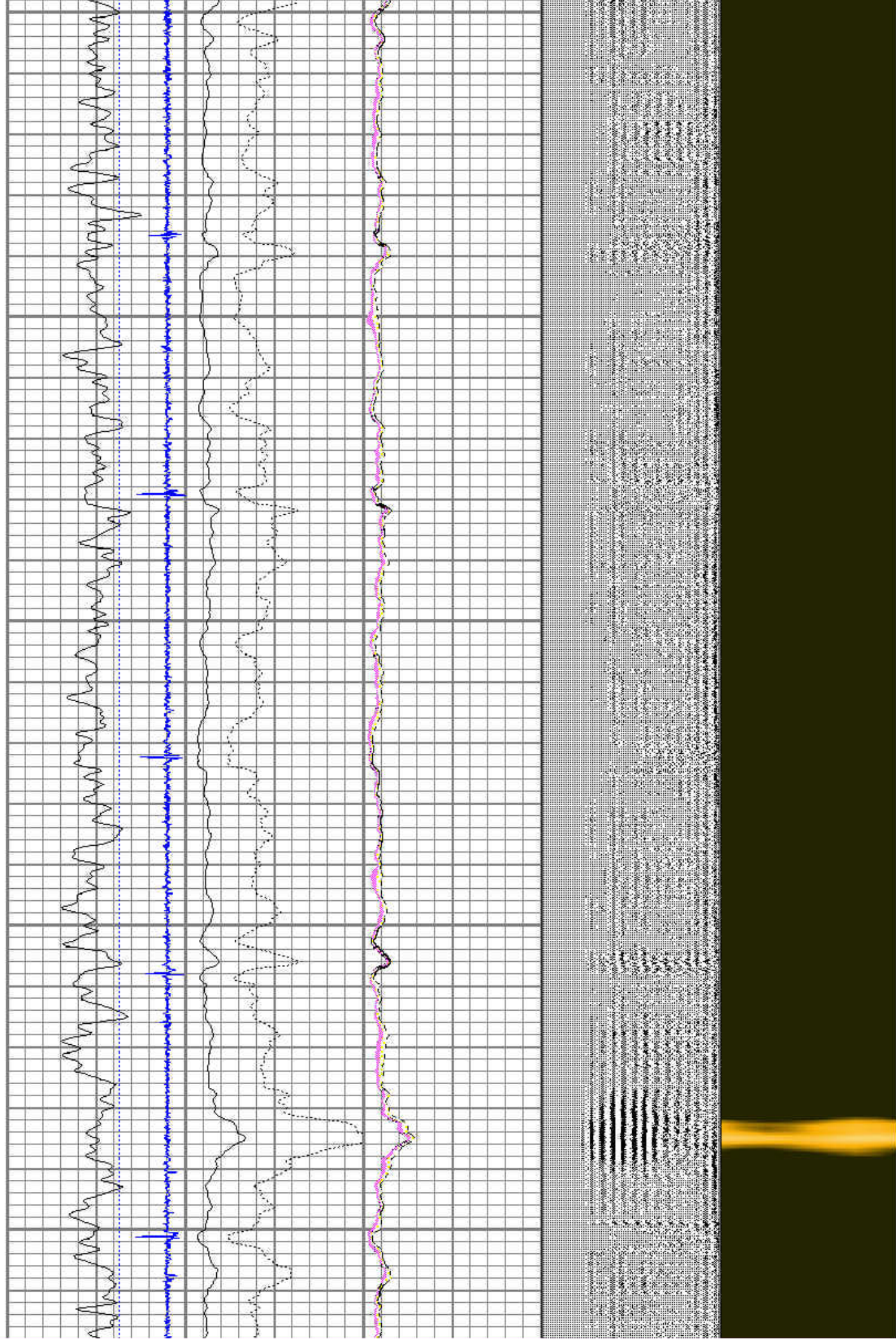
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2200

2250

2300

2350

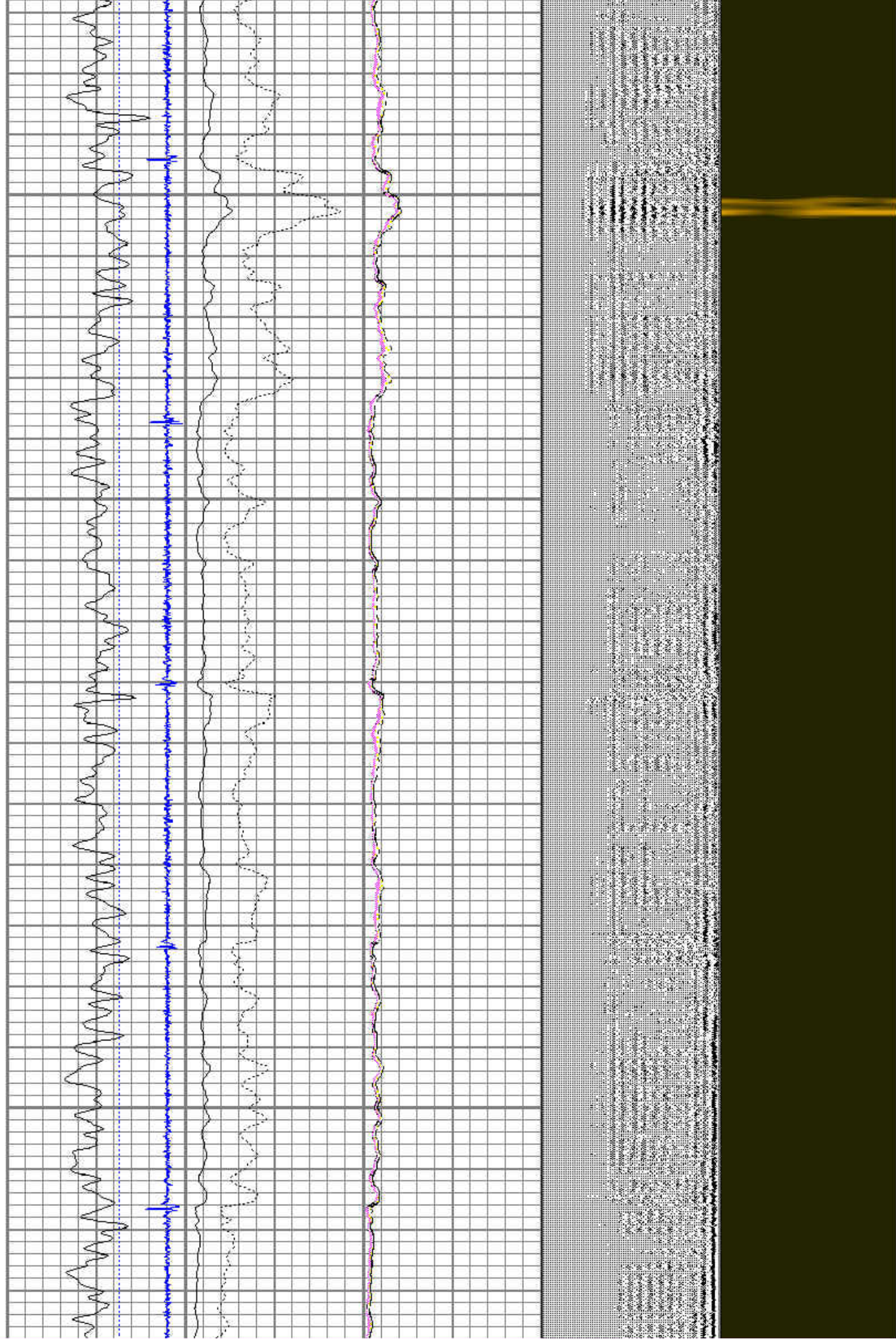


2400

2450

2500

2550



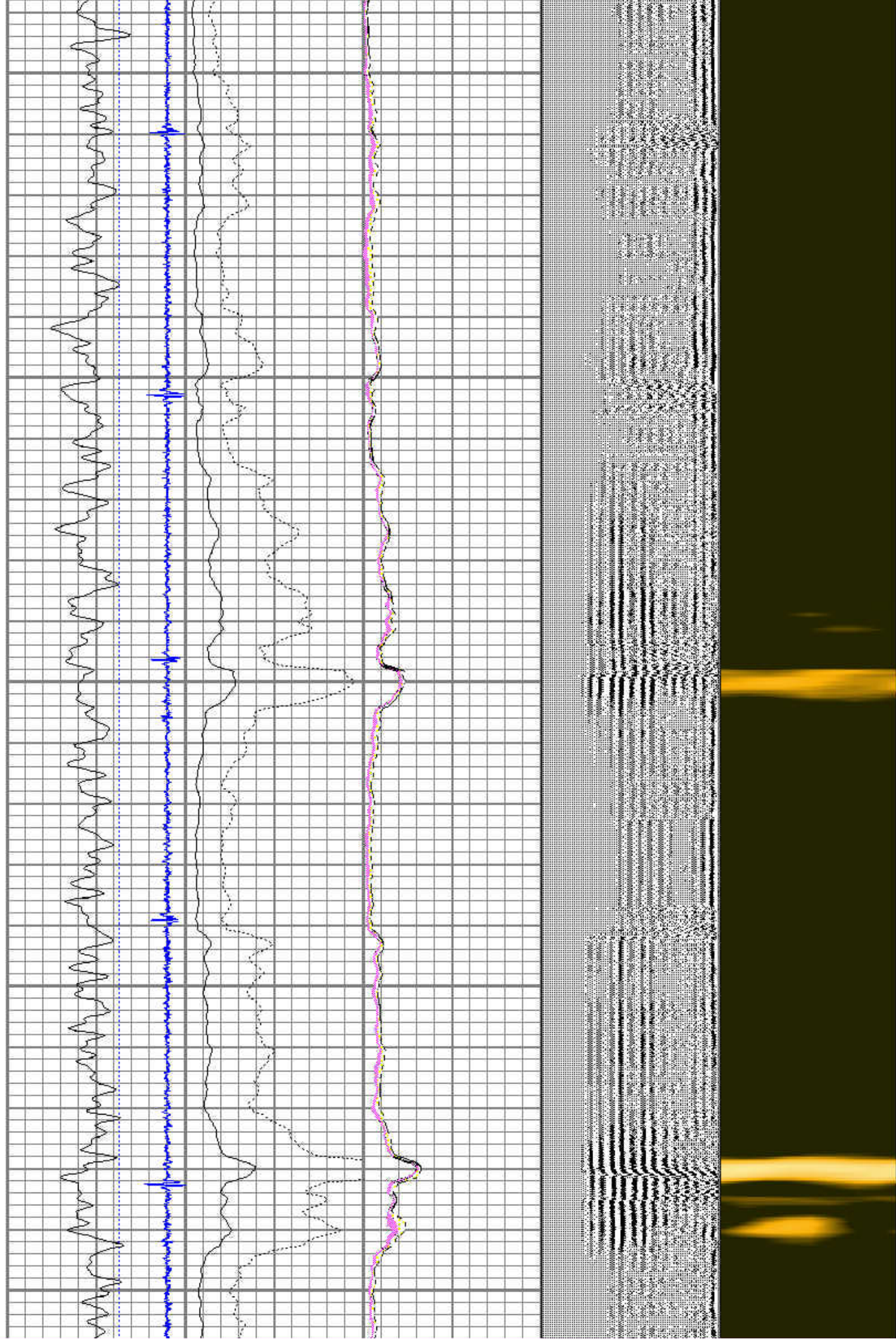
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2650

2700

2750

2800

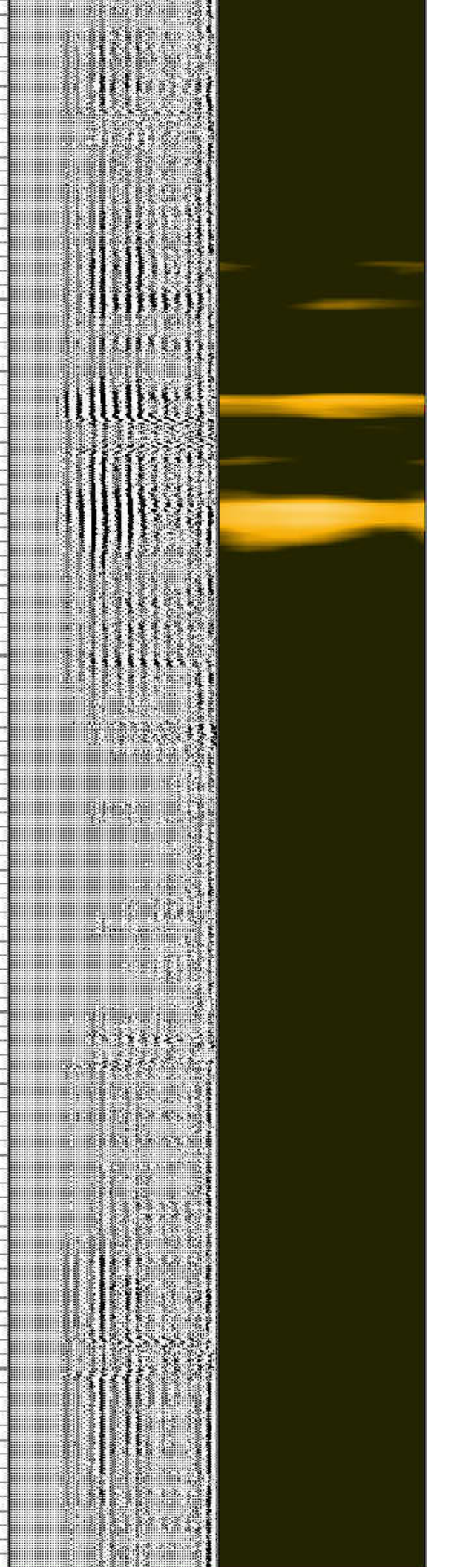
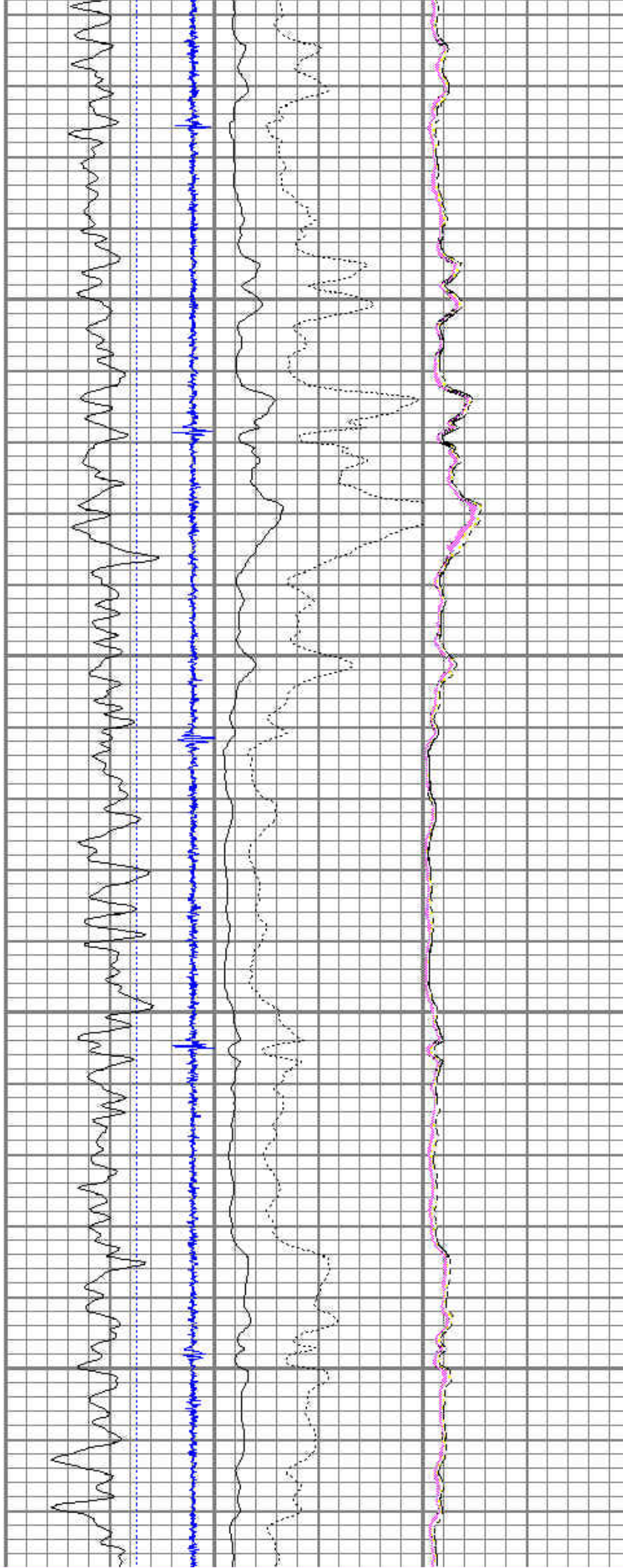


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2900

2950

3000

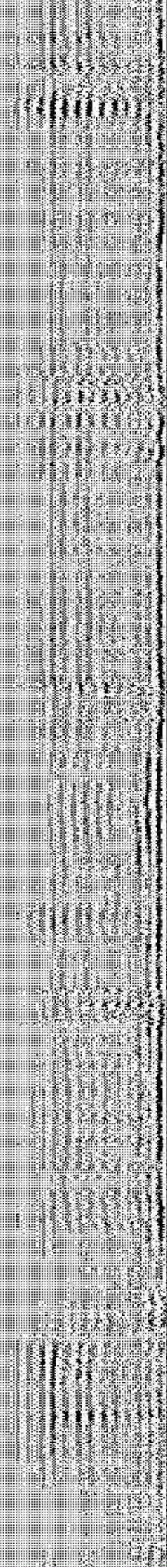
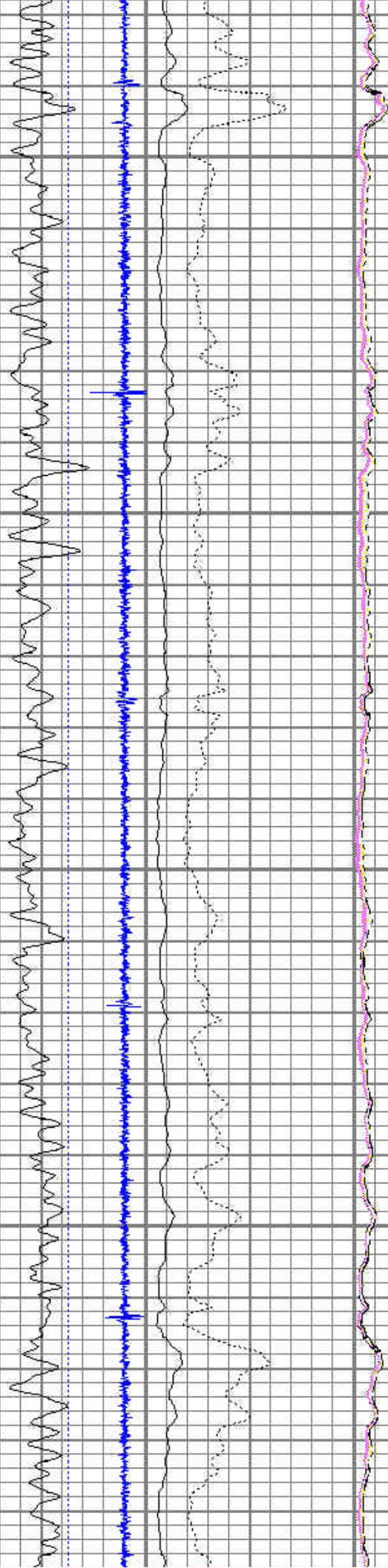


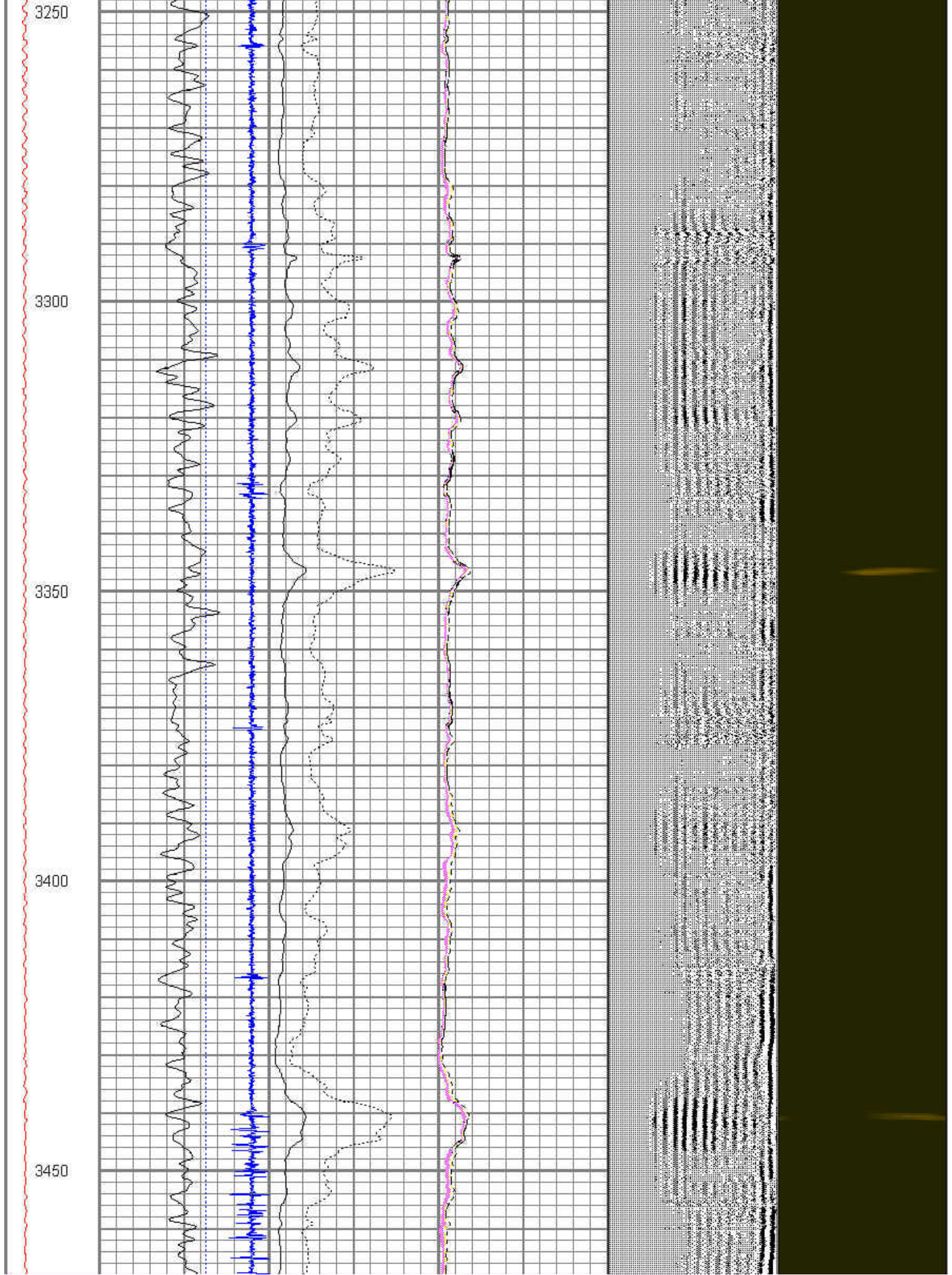
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3100

3150

3200



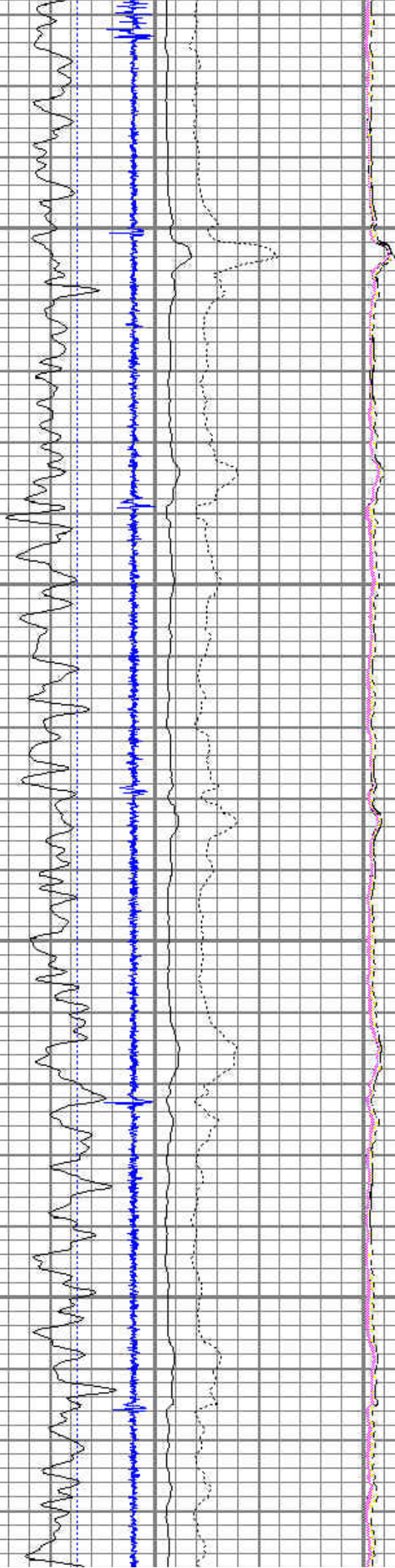


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3550

3600

3650



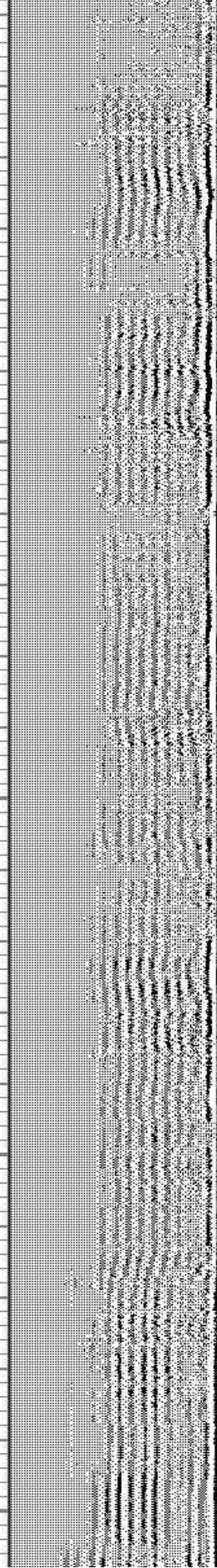
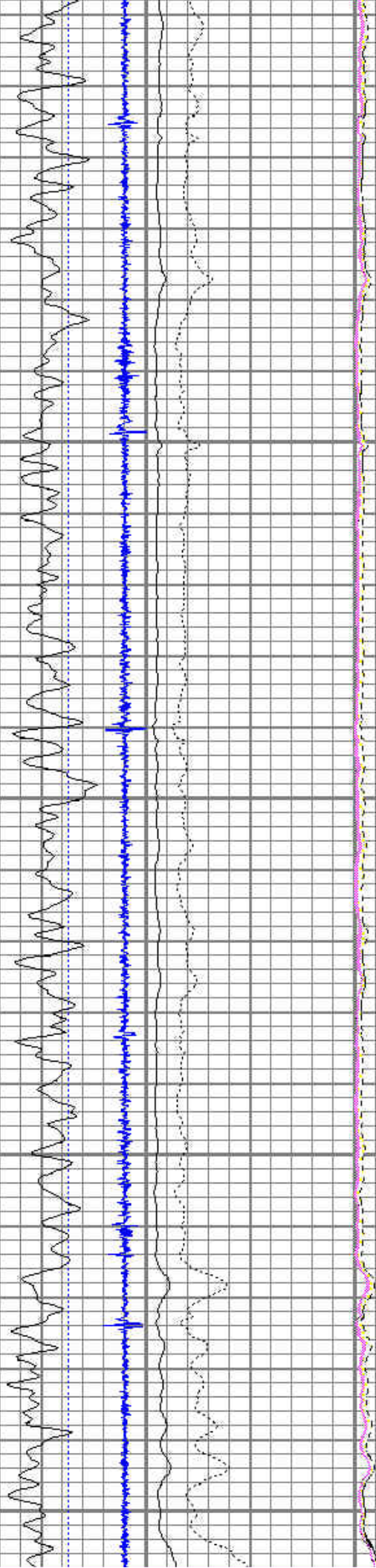
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3800

3850

3900

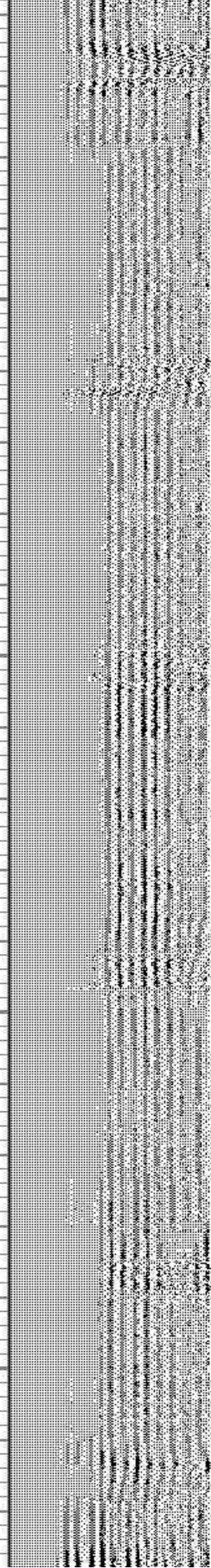
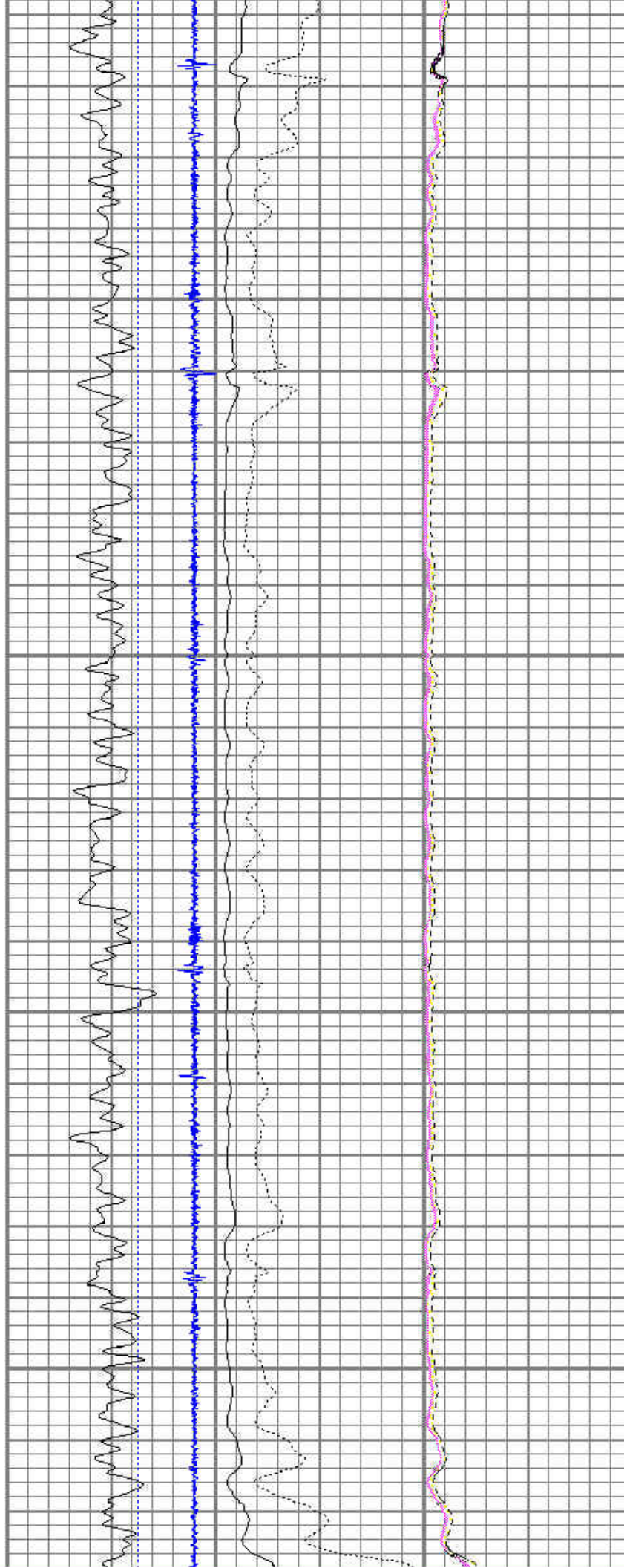


3950

4000

4050

4100

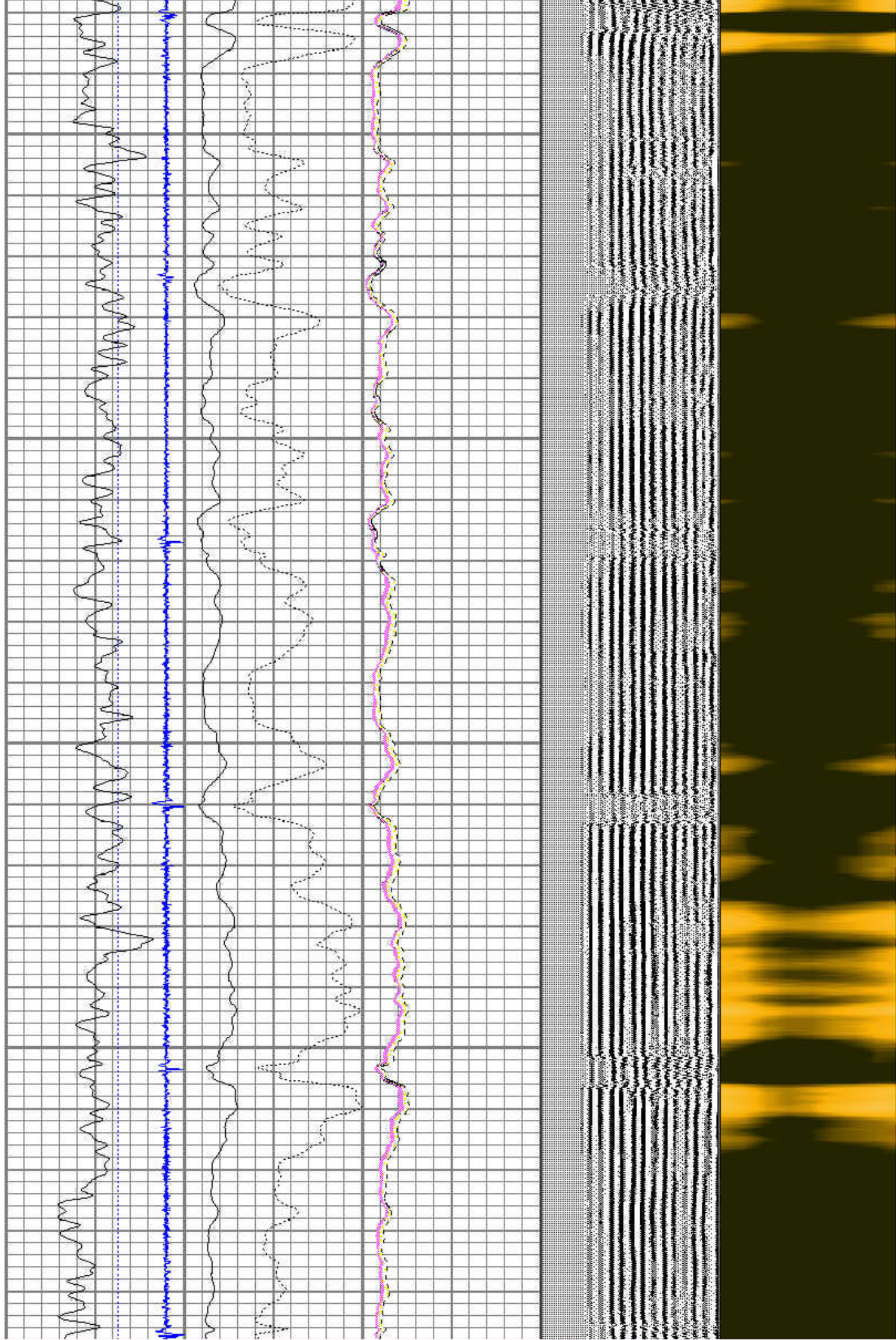


4150

4200

4250

4300



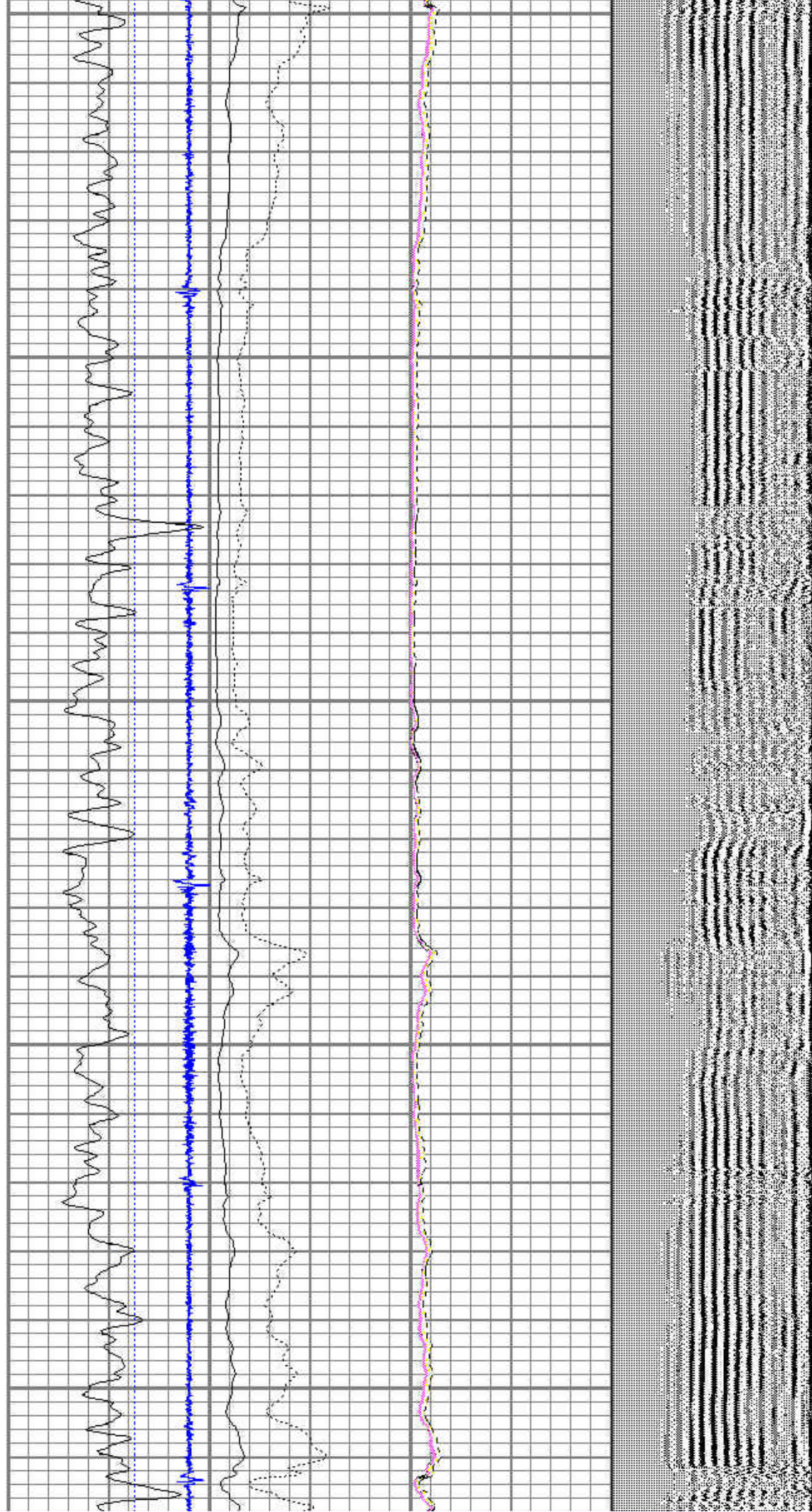
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4400

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4500

4550

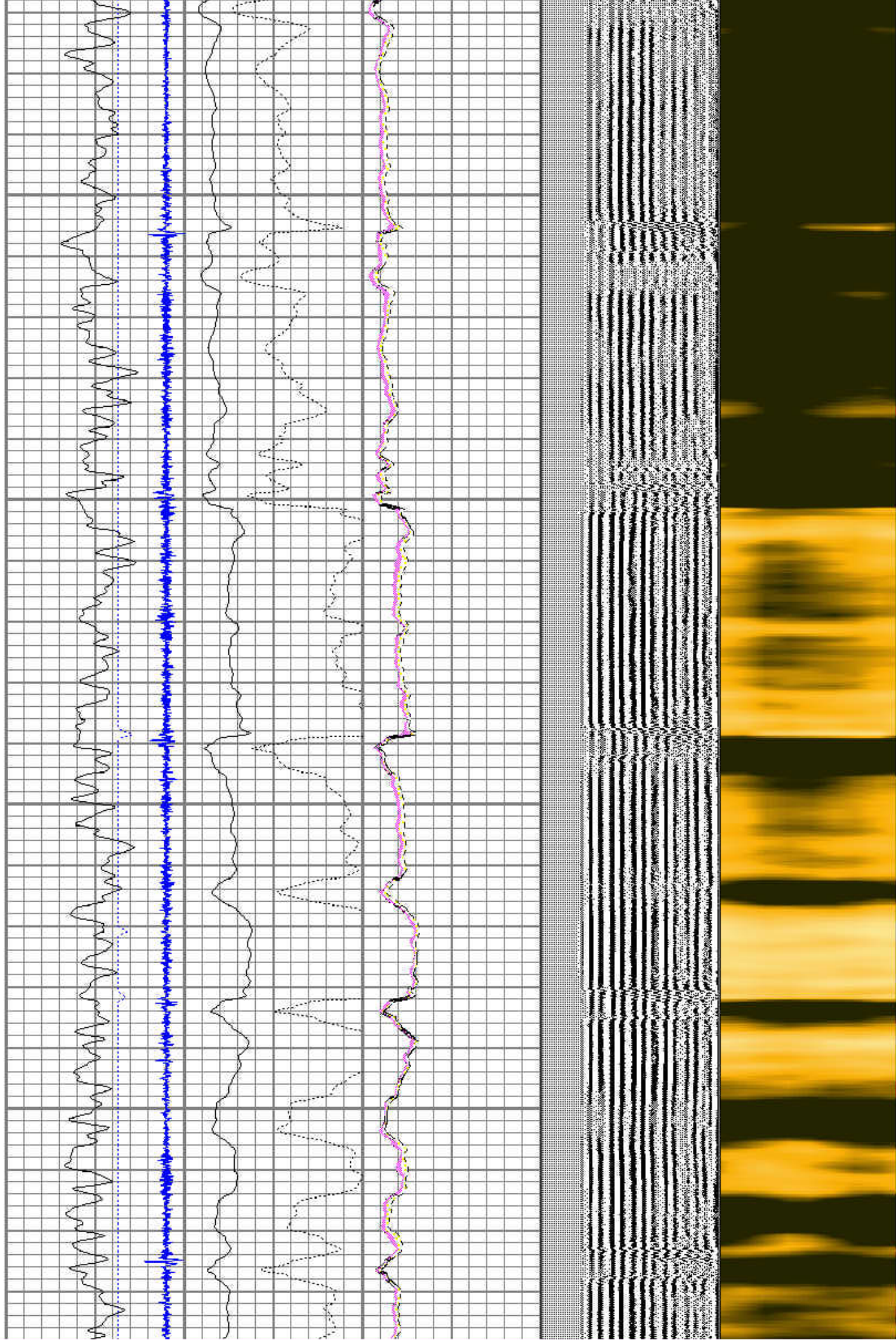


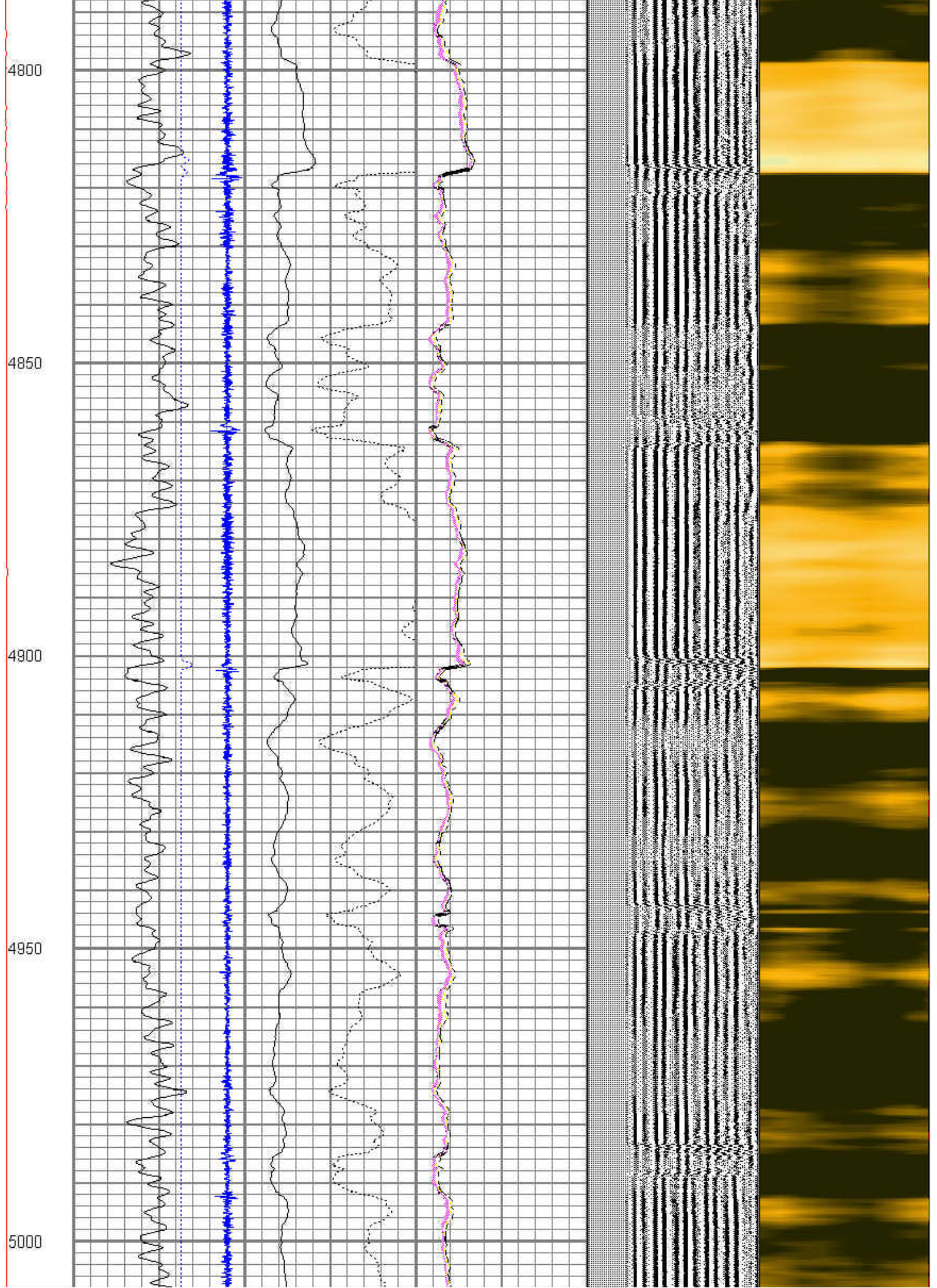
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4700

4750



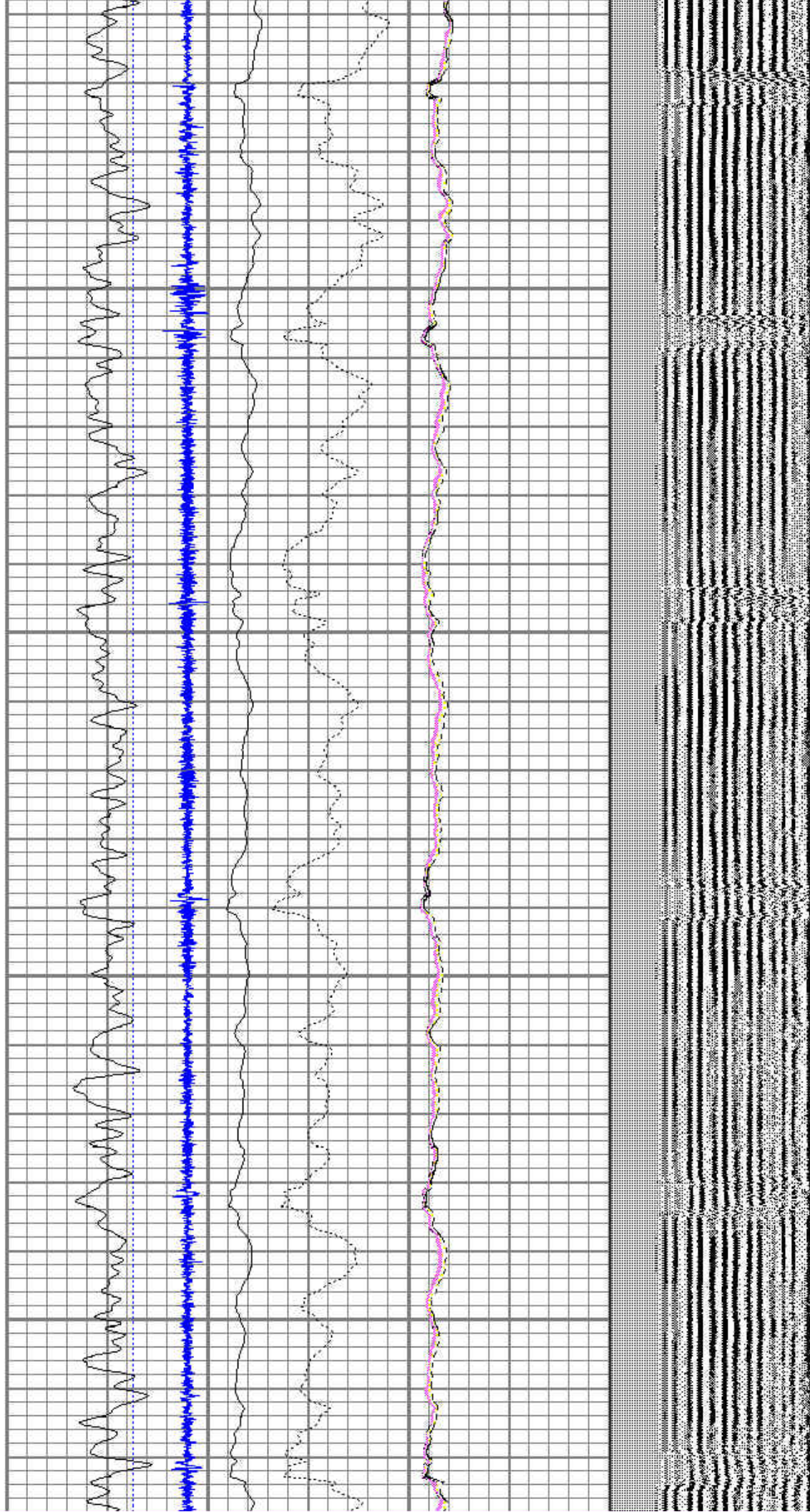


5050

5100

5150

5200

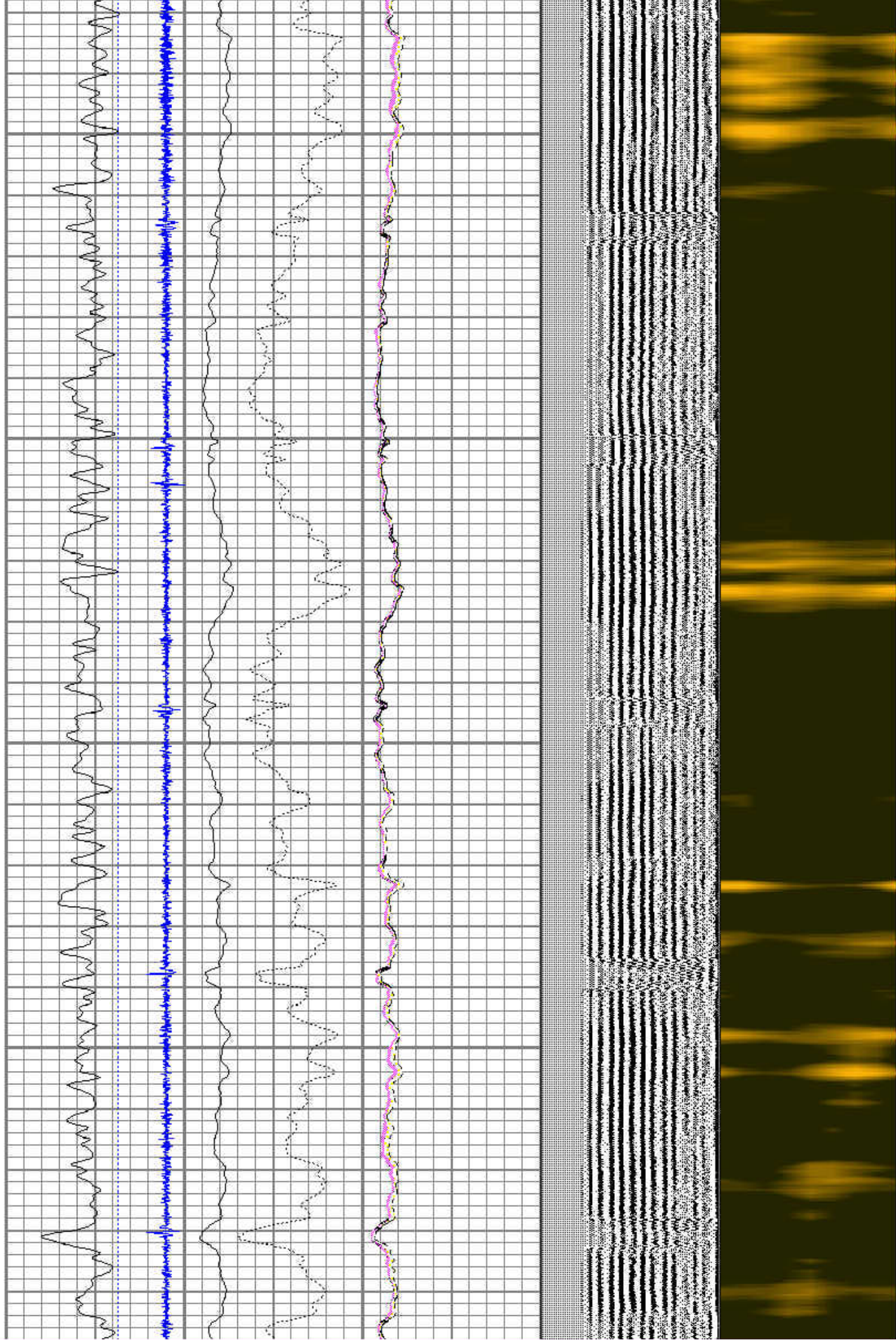


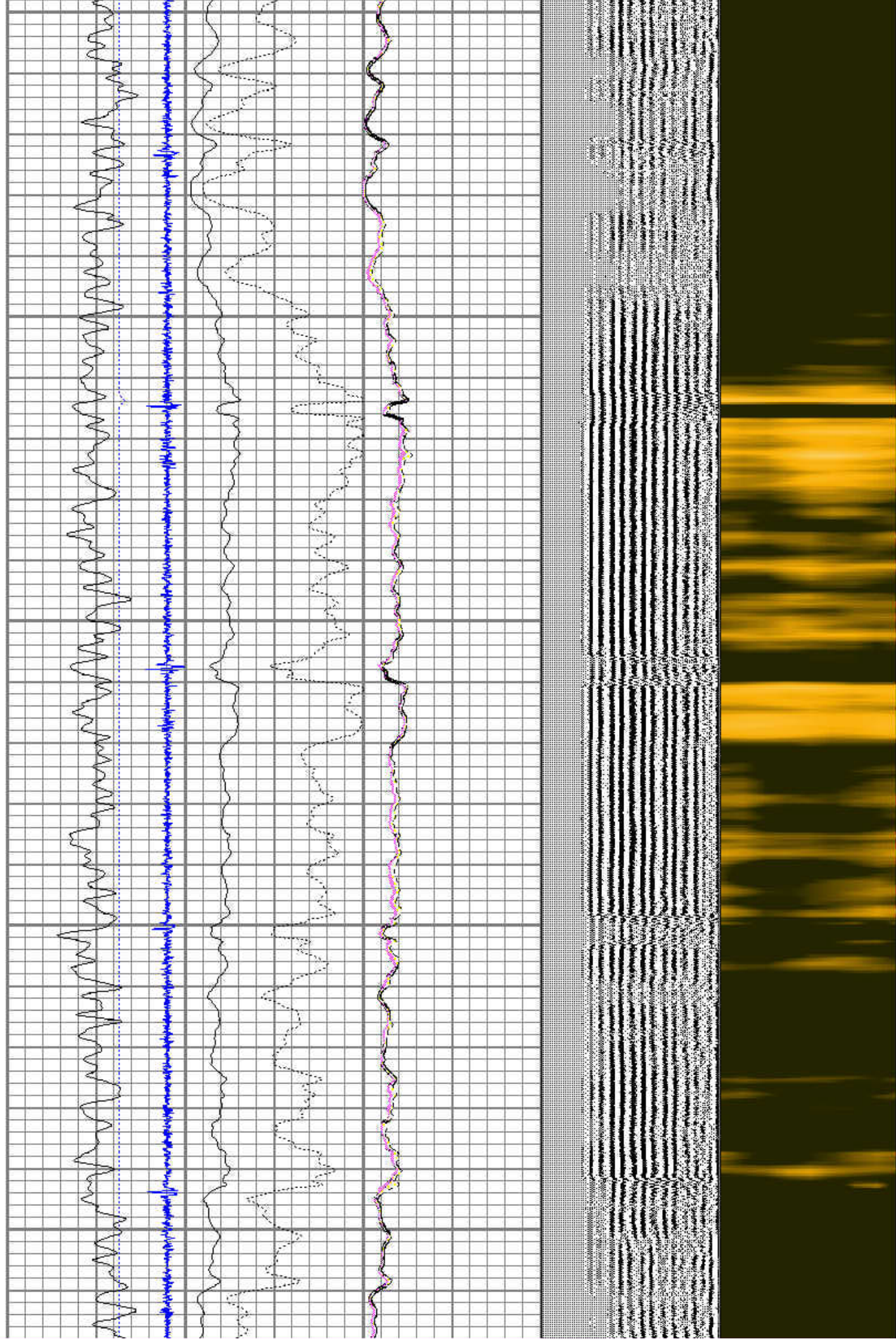
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5300

5350

5400



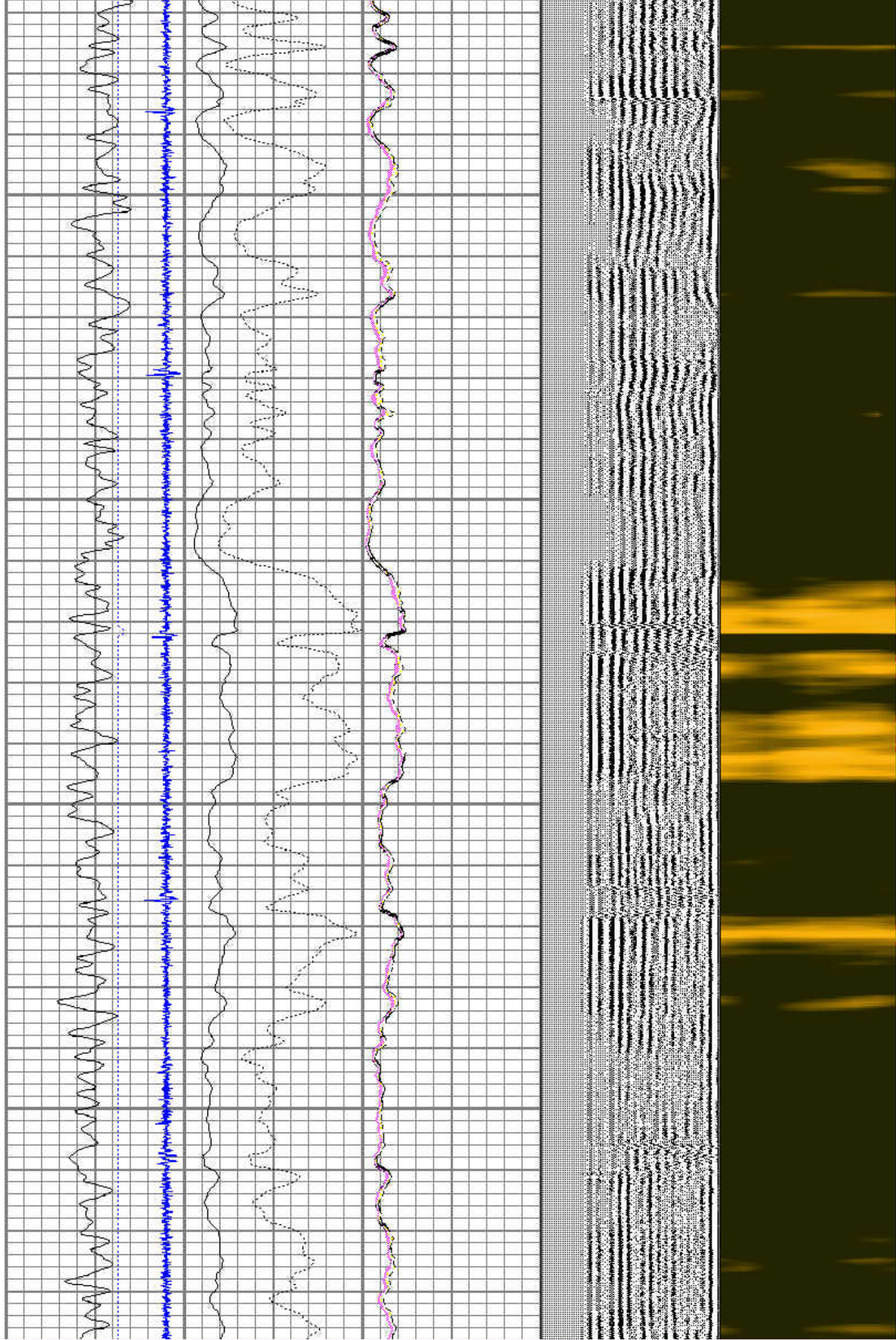


5700

5750

5800

5850



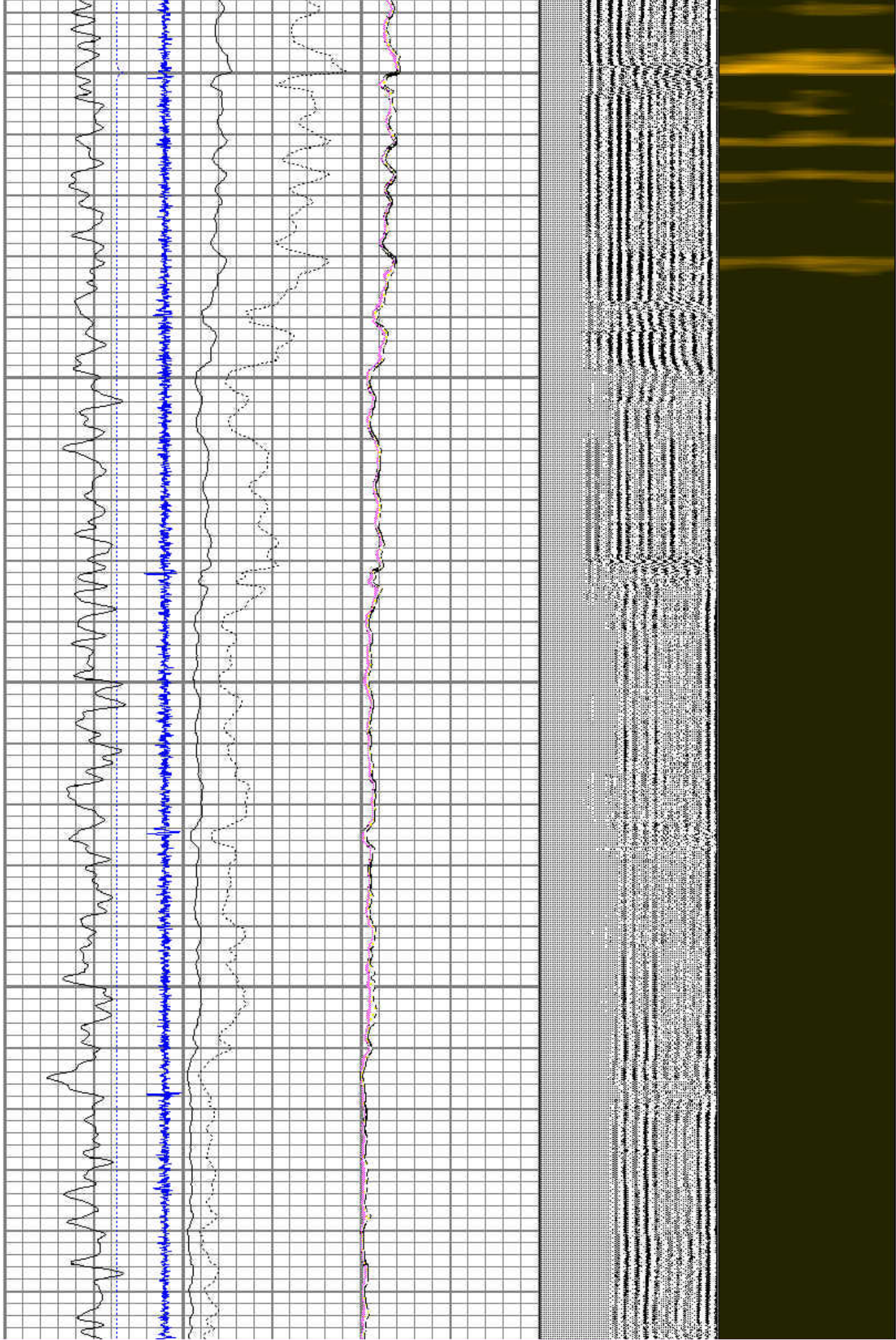
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5950

6000

6050

6100

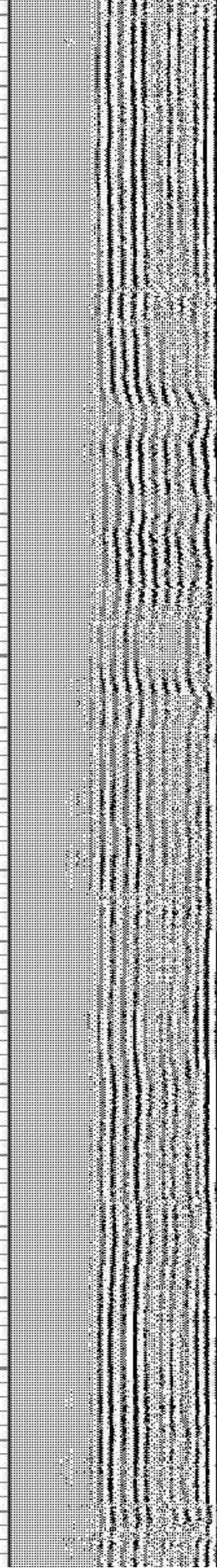
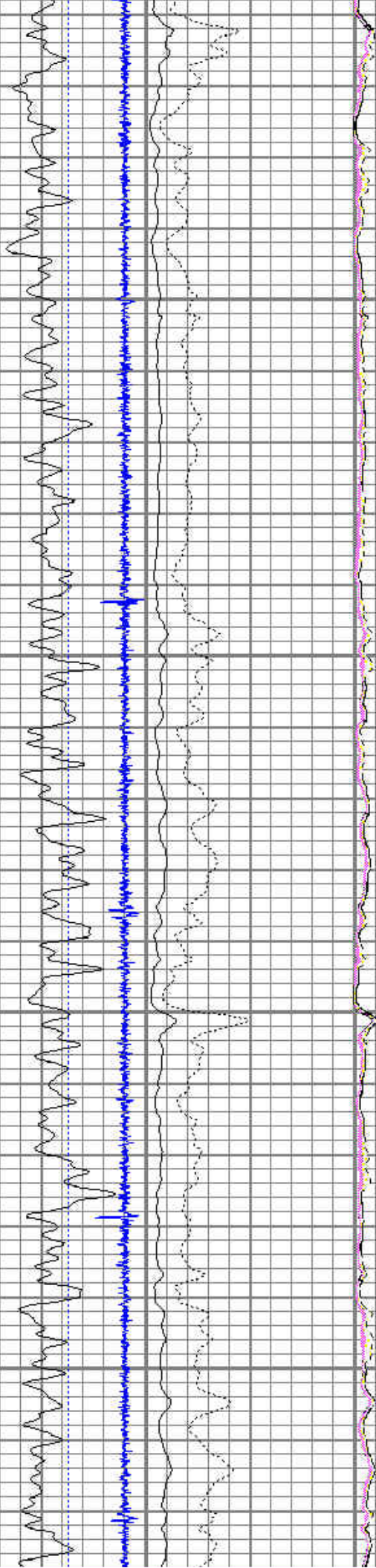


6150

6200

6250

6300



6350

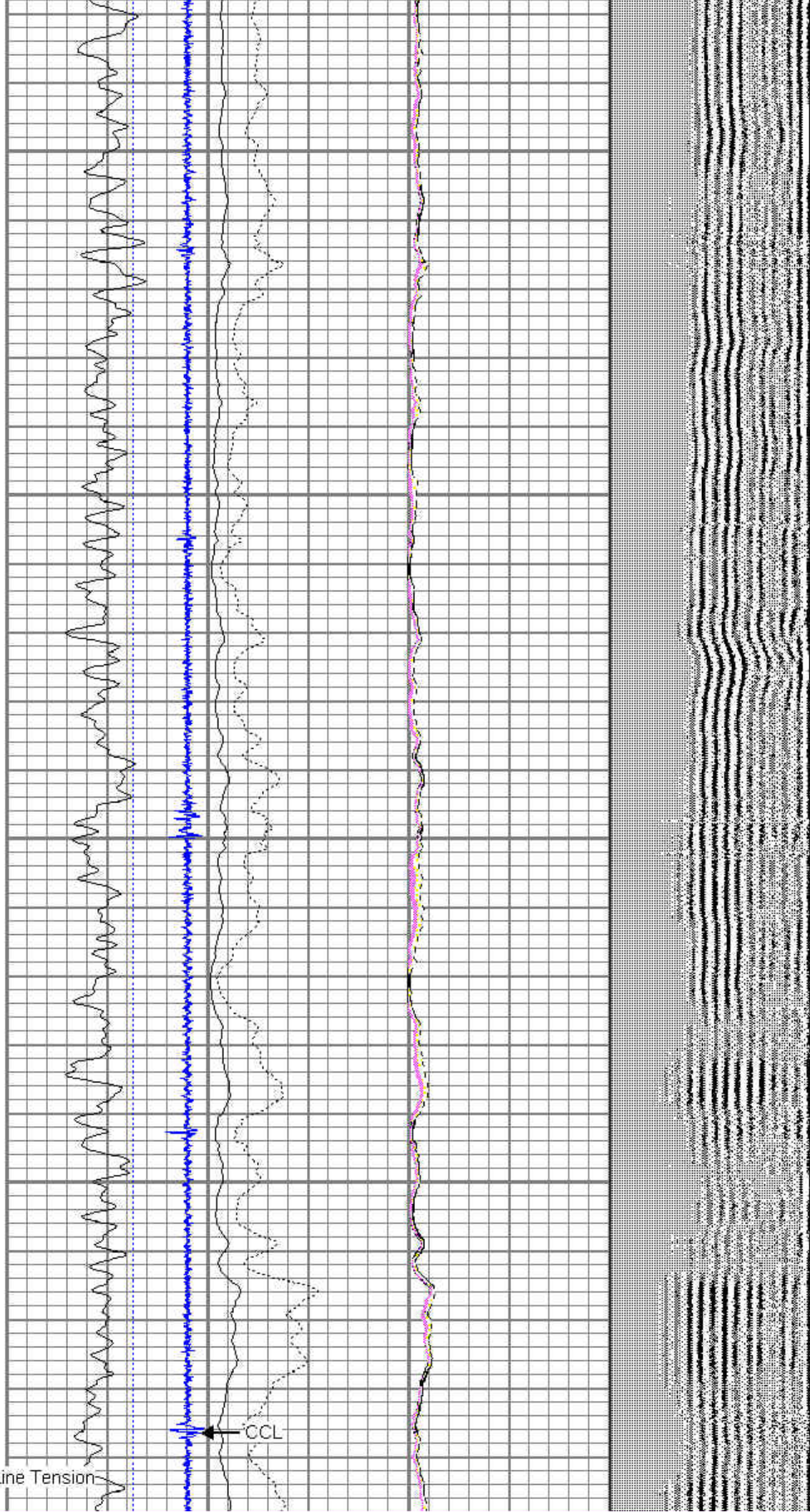
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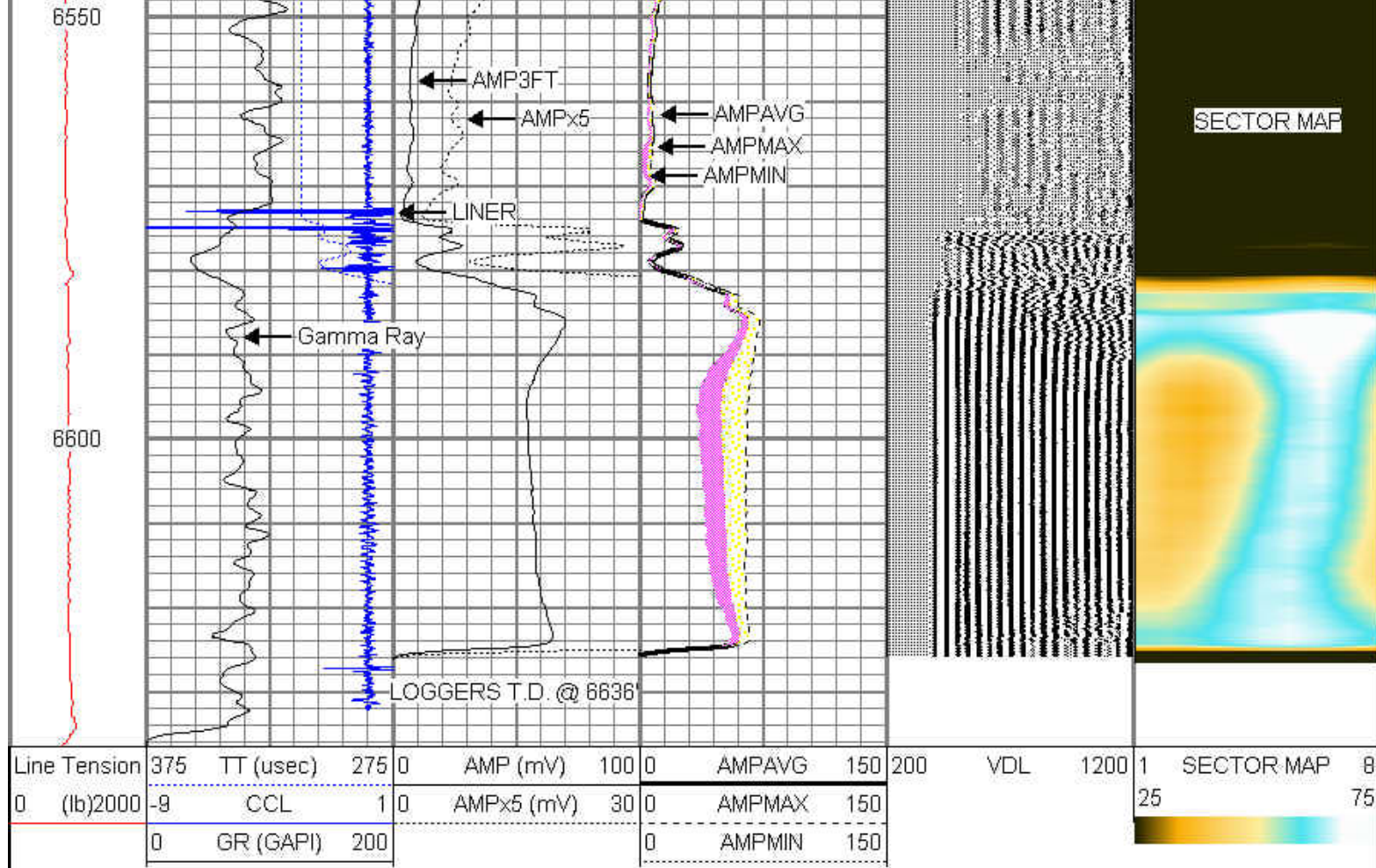
6450

6500

← Line Tension

← CCL





Calibration Report	
Database File:	w-v 29n-36hz_rcbl.db
Dataset Pathname:	pass1
Dataset Creation:	Tue Jan 21 19:05:19 2014
Gamma Ray Calibration Report	
Serial Number:	030606
Tool Model:	Probe275
Performed:	Fri Jan 17 16:24:35 2014
Calibrator Value:	138.0 GAPI
Background Reading:	35.9 cps
Calibrator Reading:	244.8 cps
Sensitivity:	0.9000 GAPI/cps
Segmented Cement Bond Log Calibration Report	
Serial Number:	4.5040904
Tool Model:	Probe
Calibration Casing Diameter:	4.500 in
Calibration Depth:	6624.502 ft
Master Calibration, performed Tue Jan 21 15:00:40 2014:	
Raw (v)	
Zero	Cal
3'	0.011
CAL	0.010
Calibrated (mv)	
Zero	Cal
3'	1.500
CAL	81.196
Results:	
Gain	Offset
3'	58.558
CAL	0.849

5'	0.011	1.242	1.500	81.196	64.740	0.786
SUM						
S1	0.011	1.343	0.000	100.000	75.086	-0.840
S2	0.011	1.488	0.000	100.000	67.718	-0.774
S3	0.011	1.528	0.000	100.000	65.936	-0.747
S4	0.011	1.521	0.000	100.000	66.248	-0.753
S5	0.011	1.456	0.000	100.000	69.242	-0.784
S6	0.011	1.321	0.000	100.000	76.352	-0.846
S7	0.011	1.221	0.000	100.000	82.668	-0.911
S8	0.011	1.240	0.000	100.000	81.369	-0.900

Internal Reference Calibration, performed Tue Jan 21 15:00:40 2014:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.010	0.335	1.000	0.000

Air Zero Calibration, performed Thu Feb 23 11:04:07 2012:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	



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