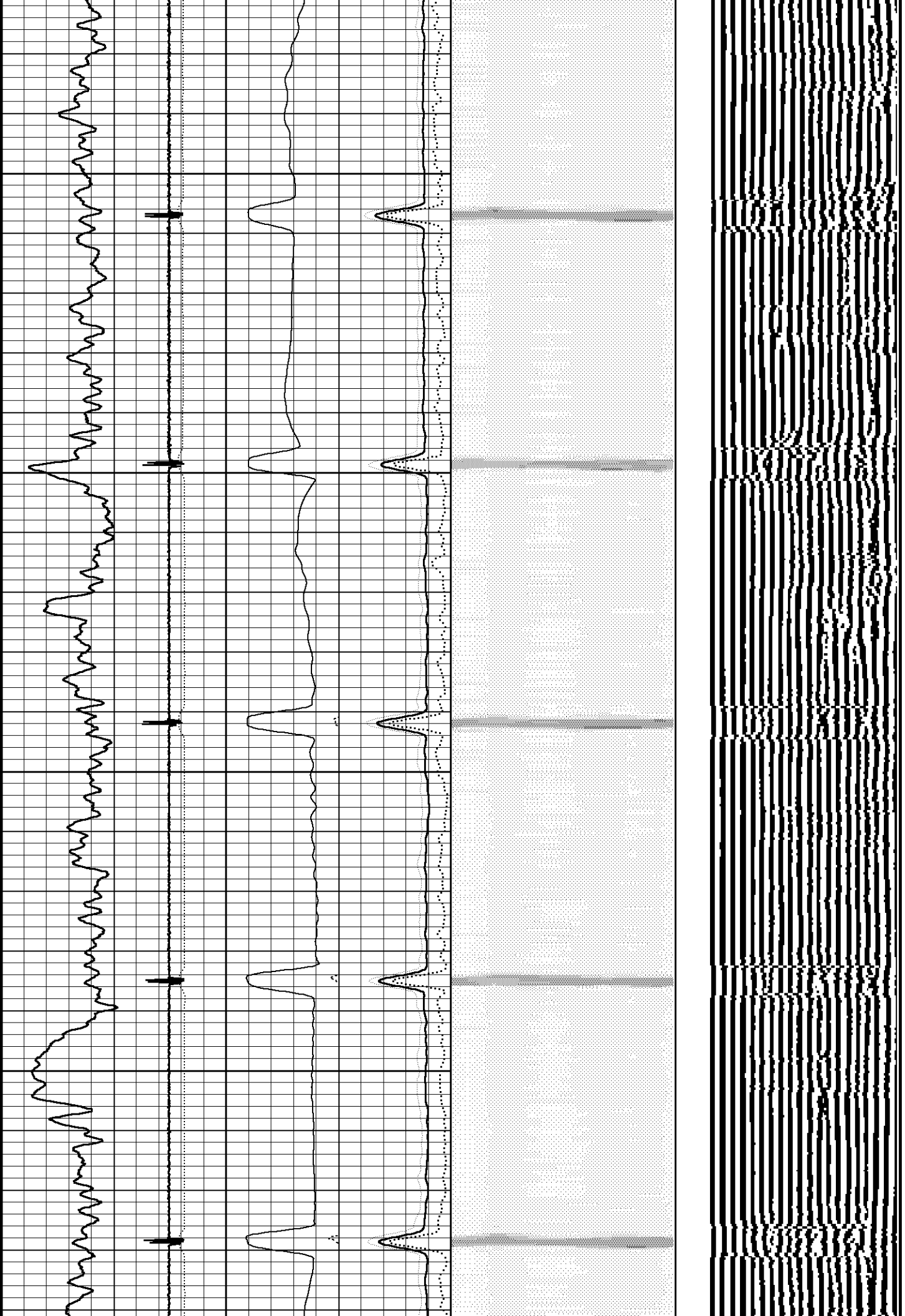


450

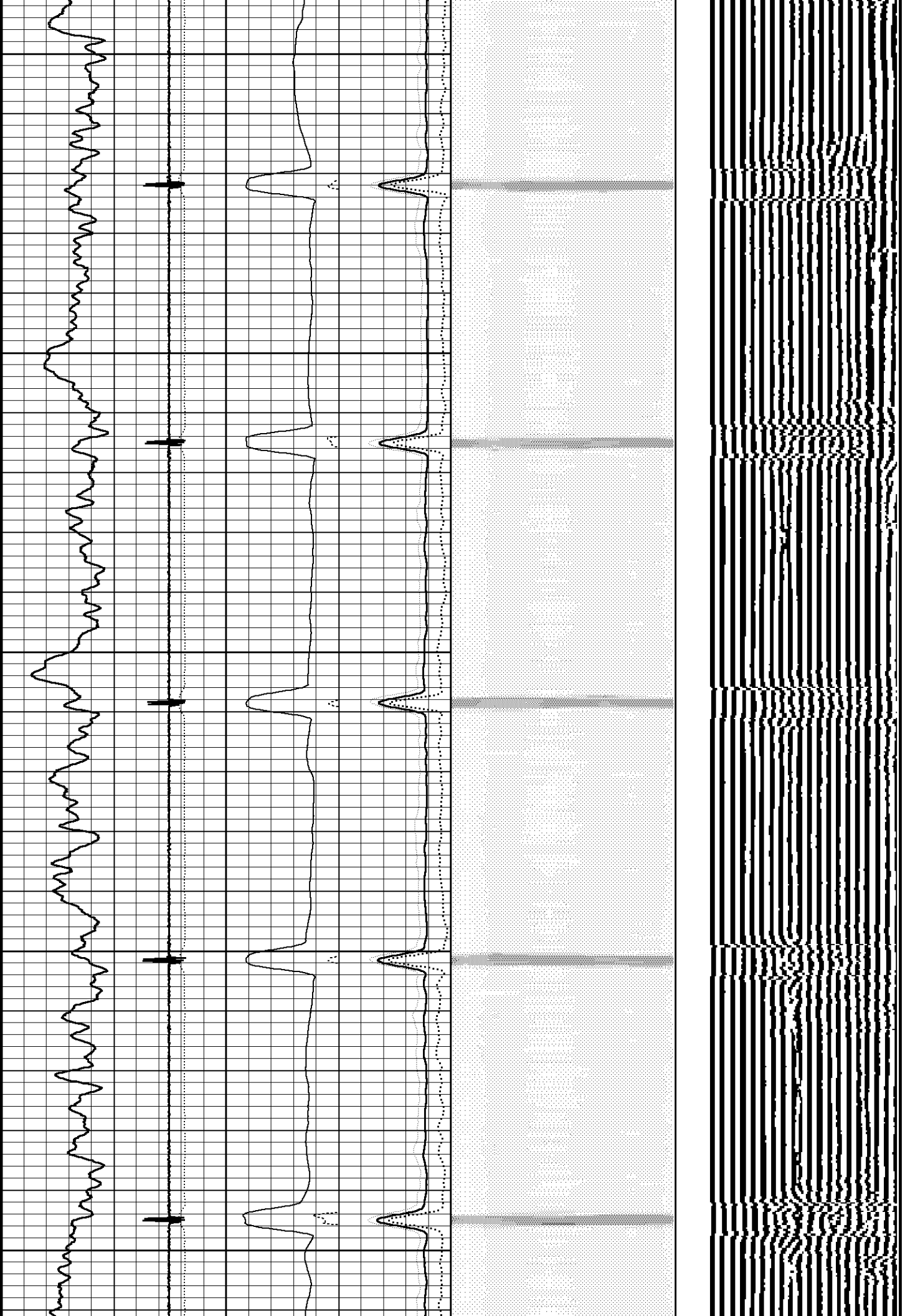
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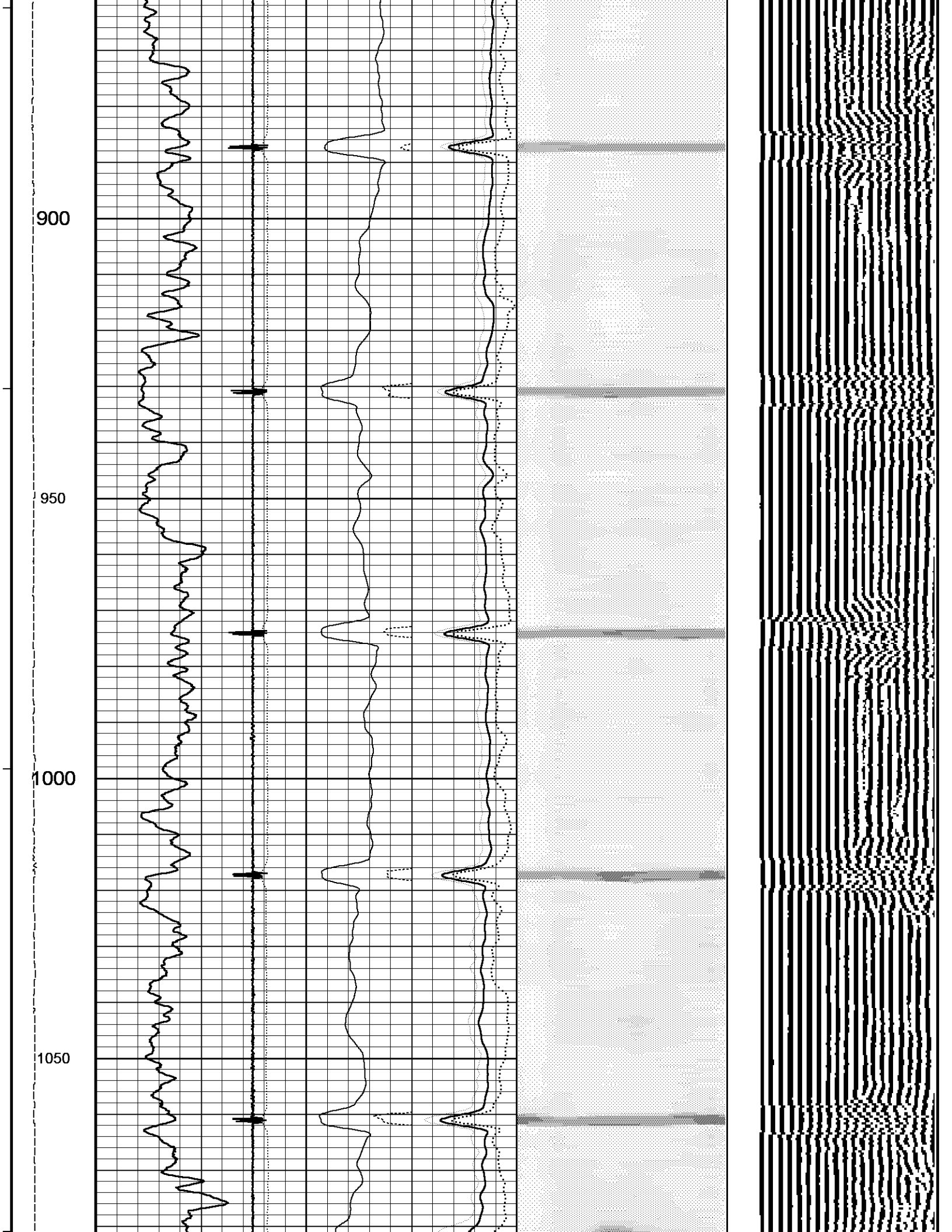
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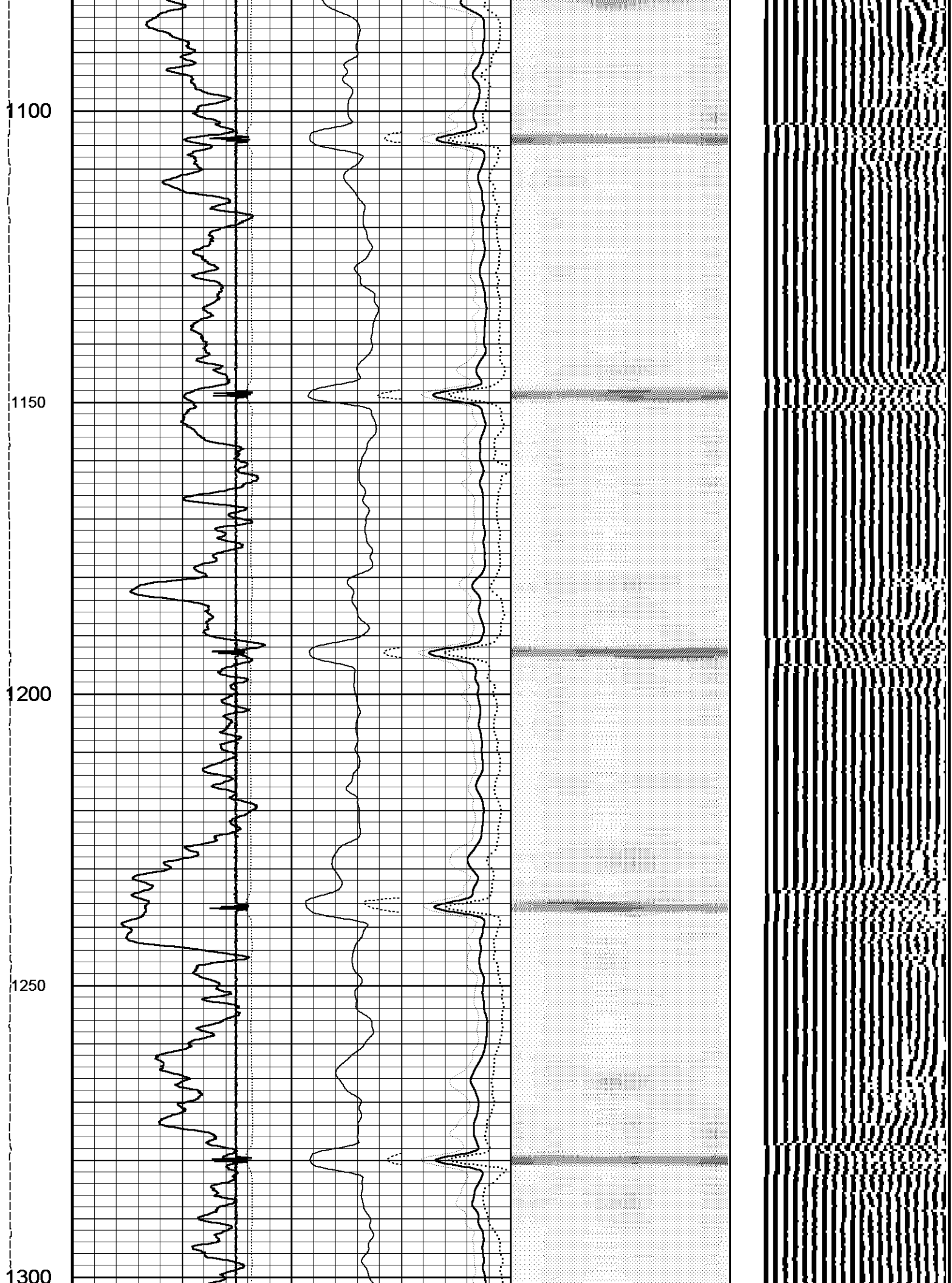
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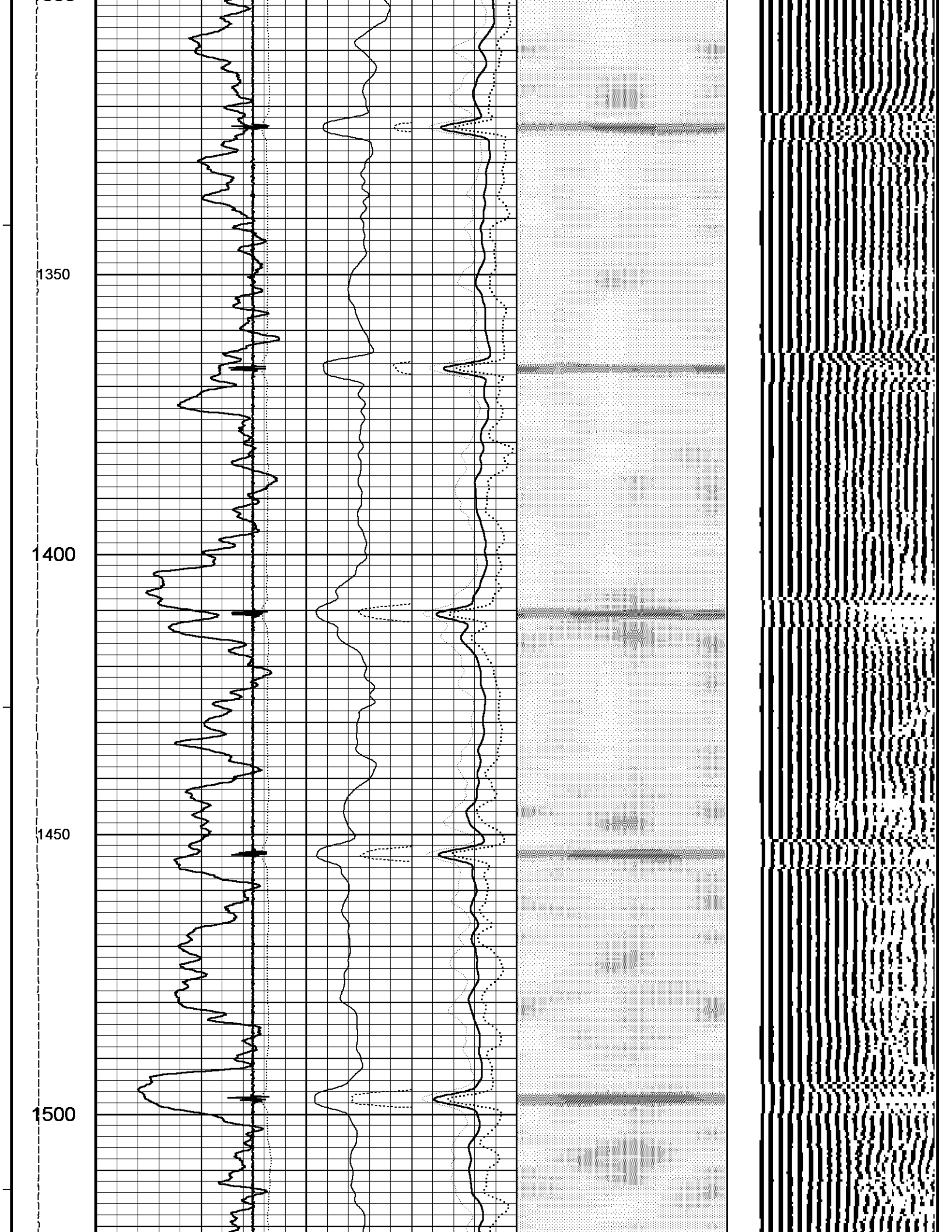


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700  
750  
800  
850



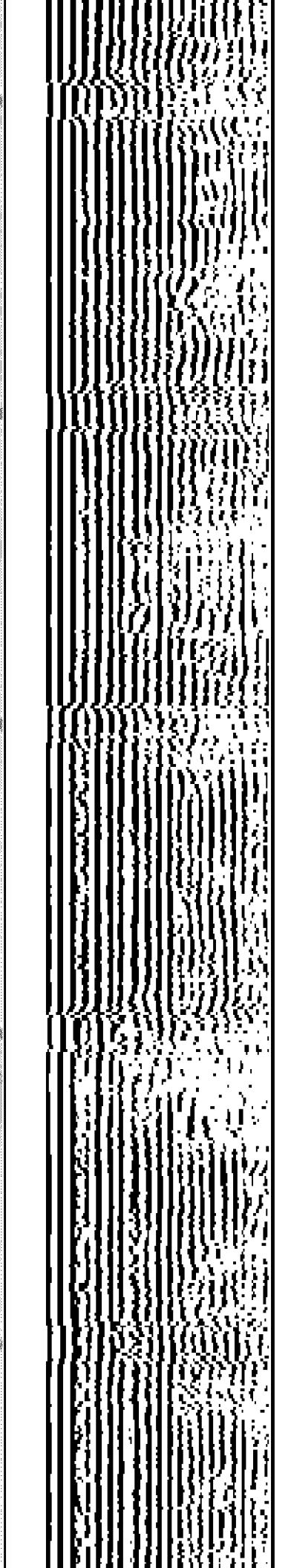
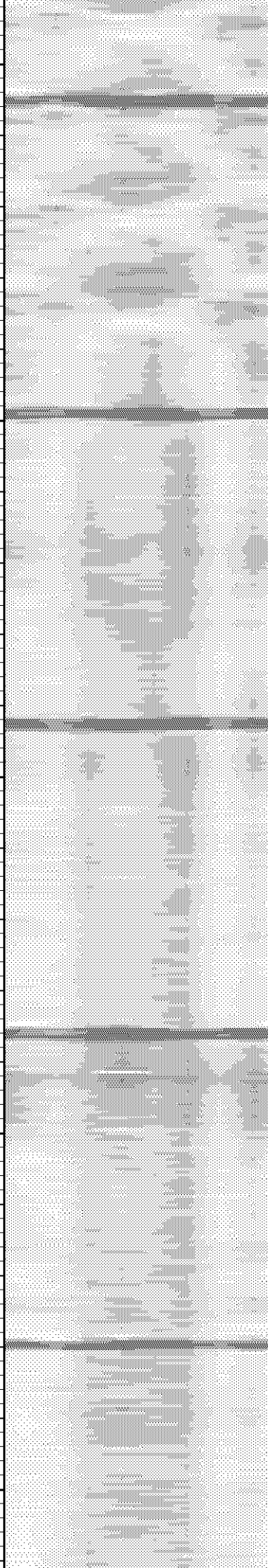
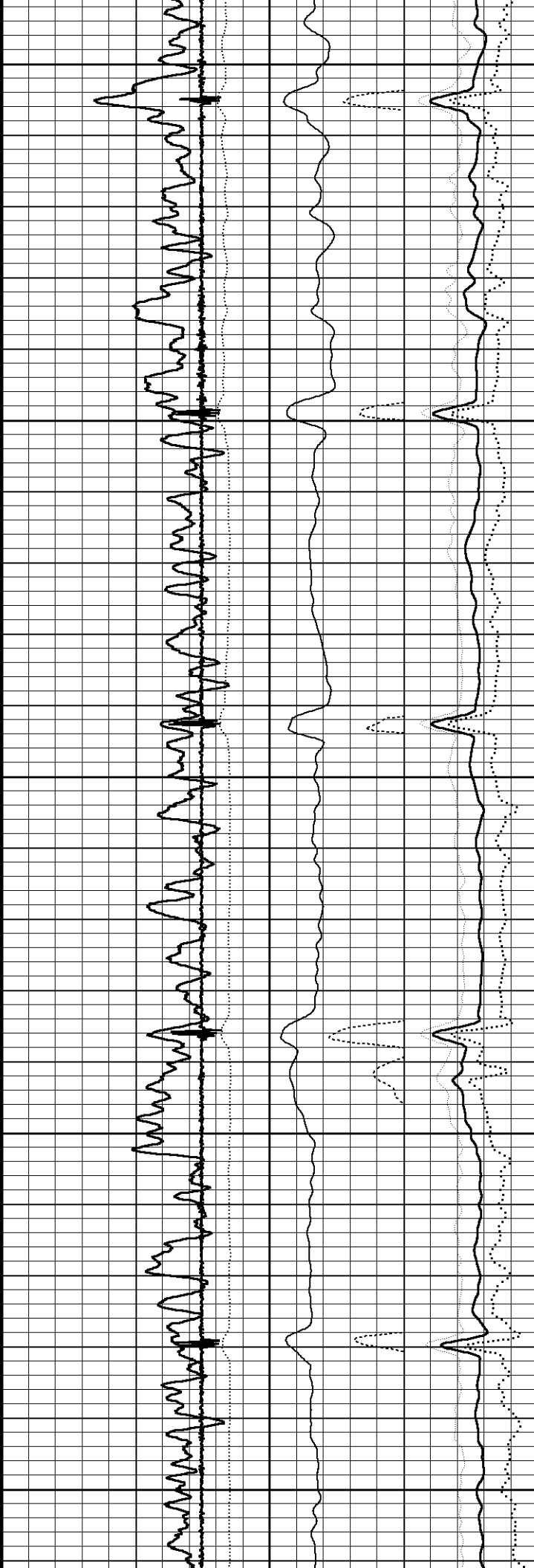








1750  
1800  
1850  
1900  
1950

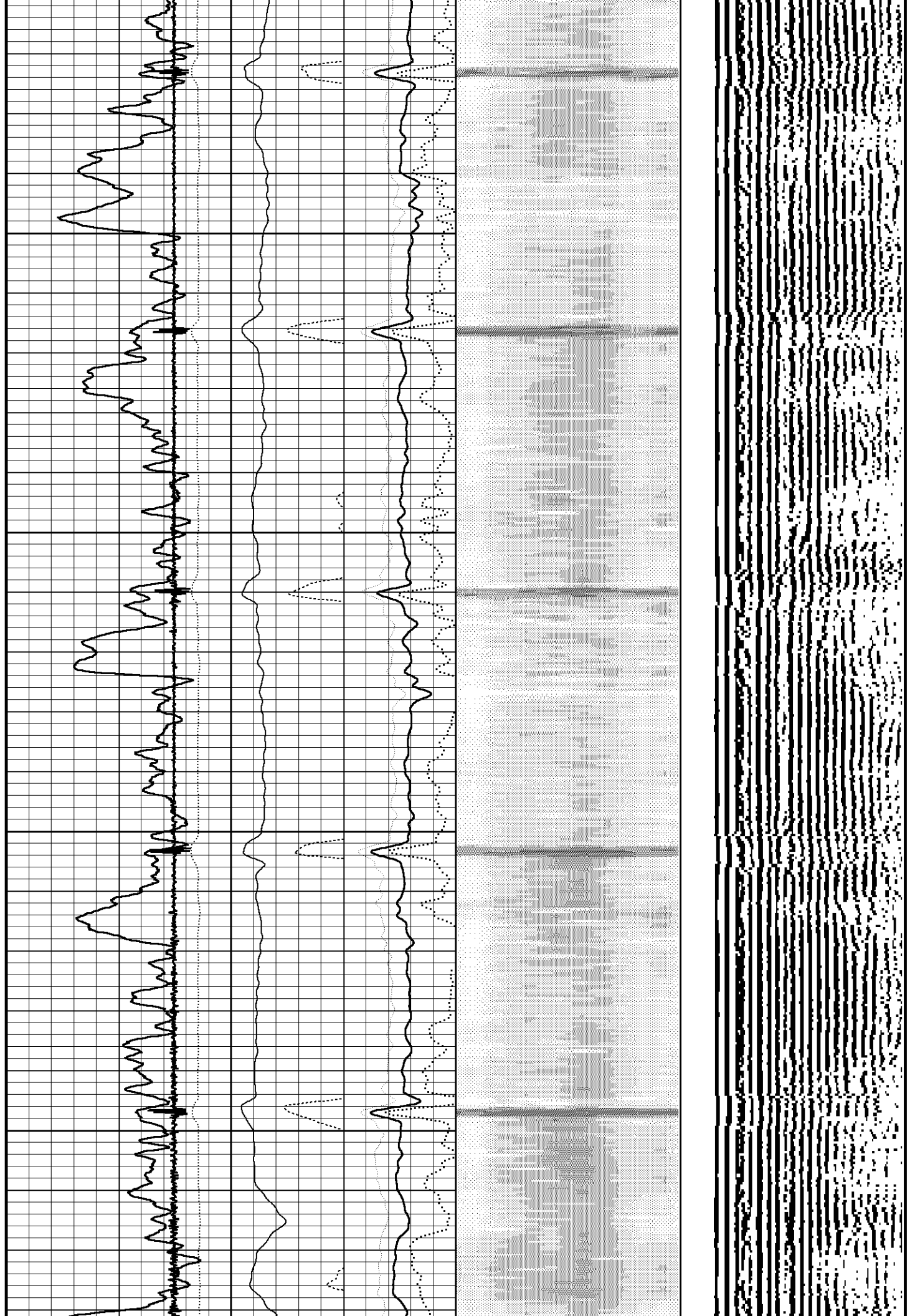


2000

2050

2100

2150



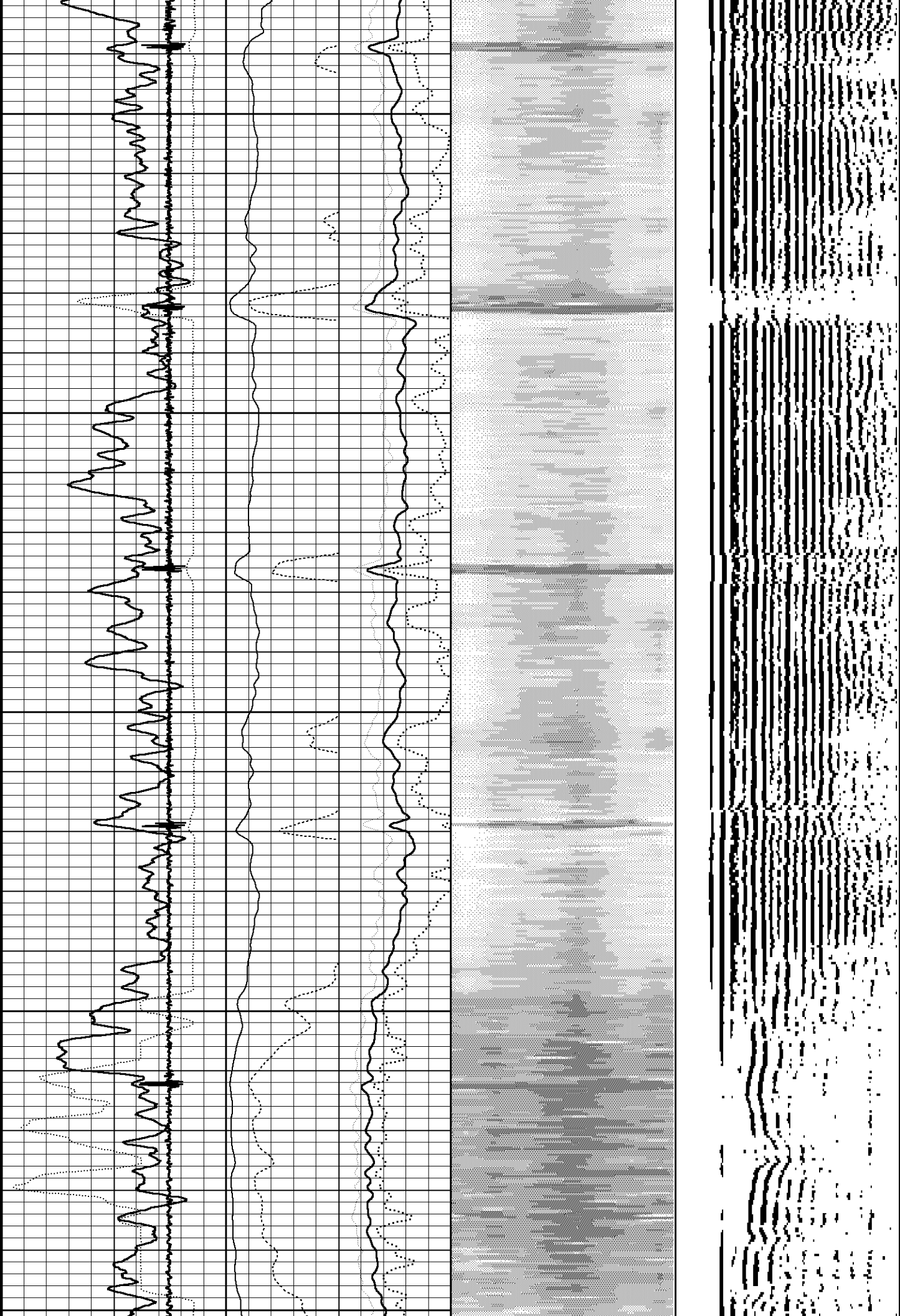
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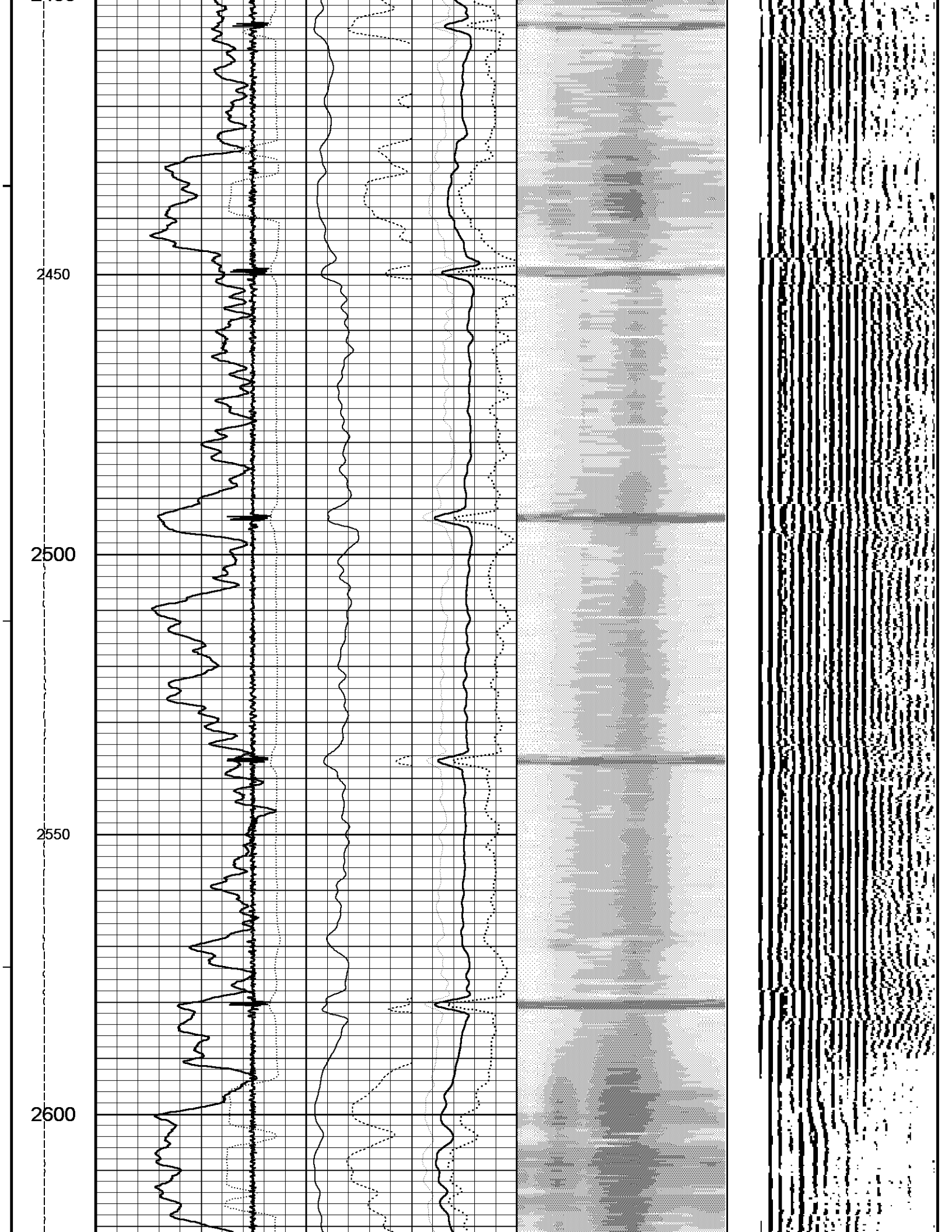
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2300

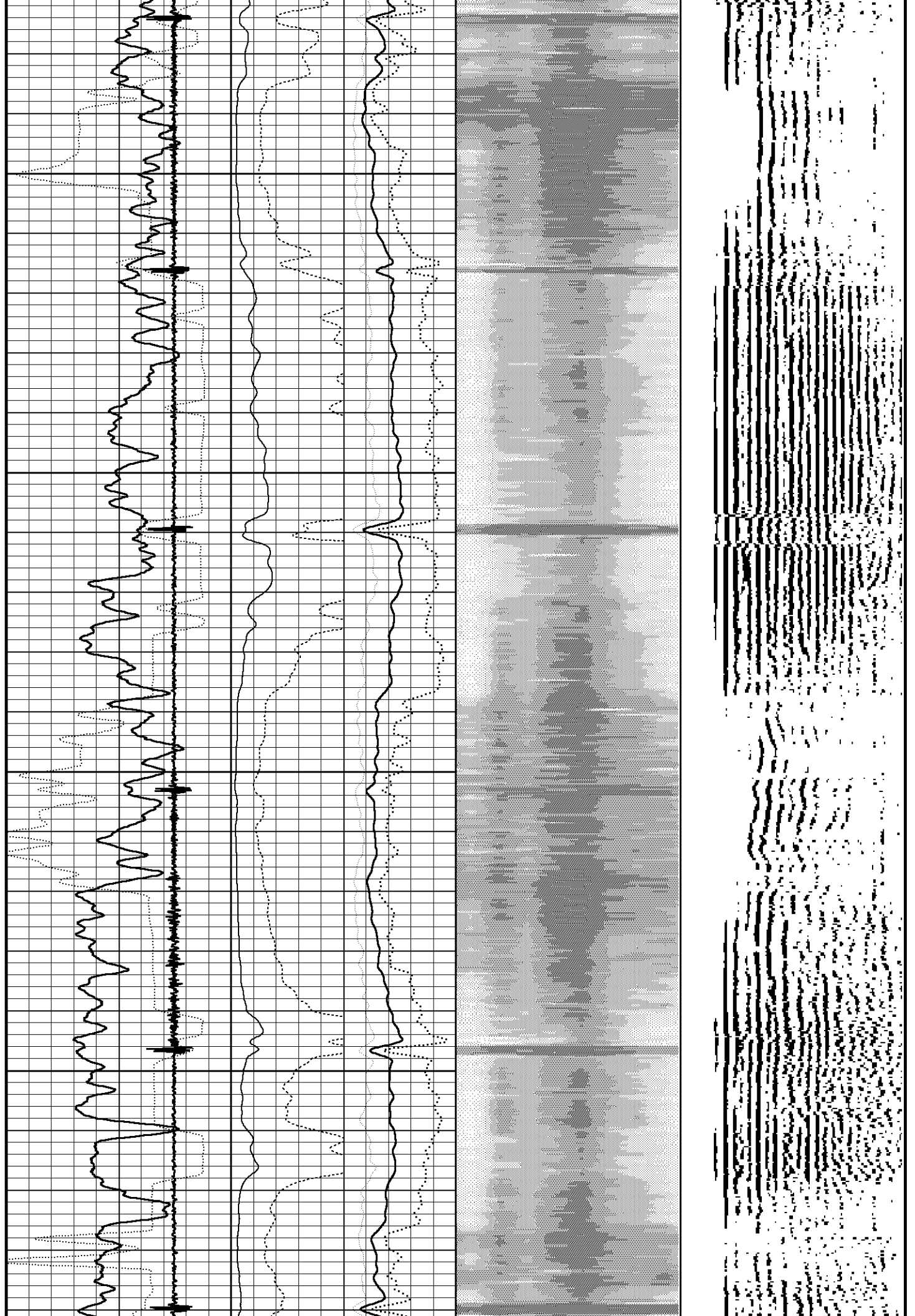
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2400

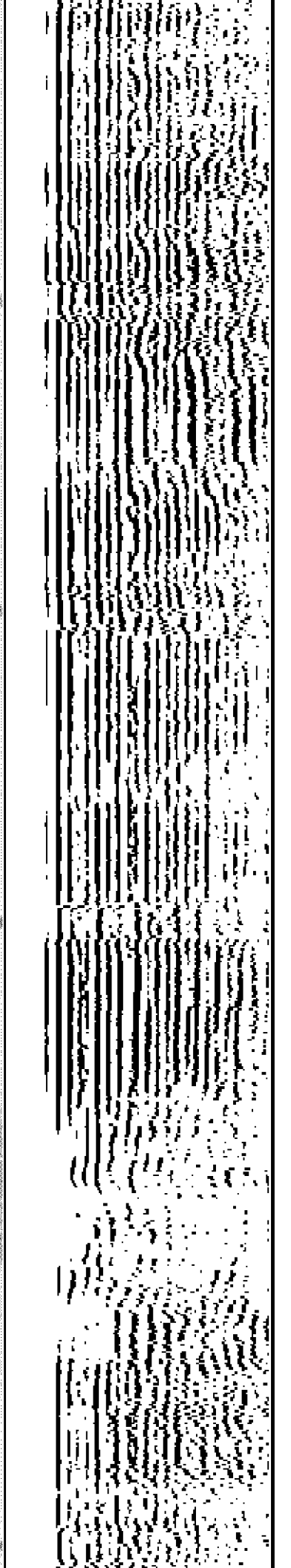
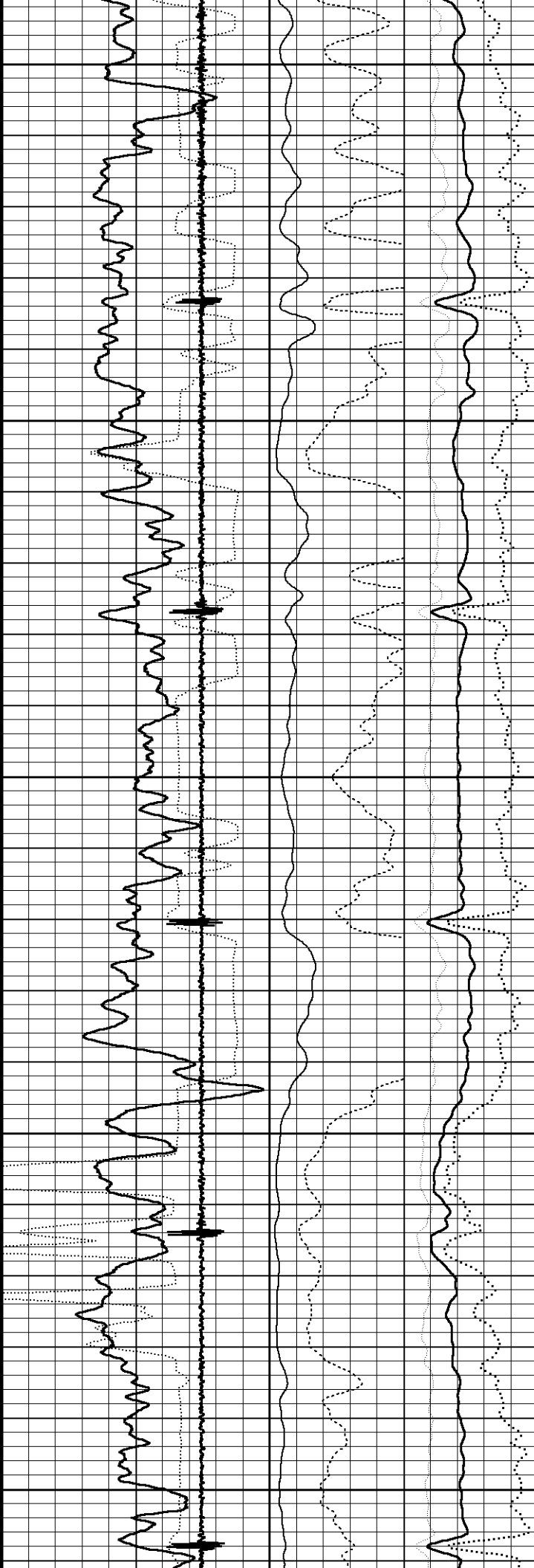




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2700  
2750  
2800



2850  
2900  
2950  
3000  
3050

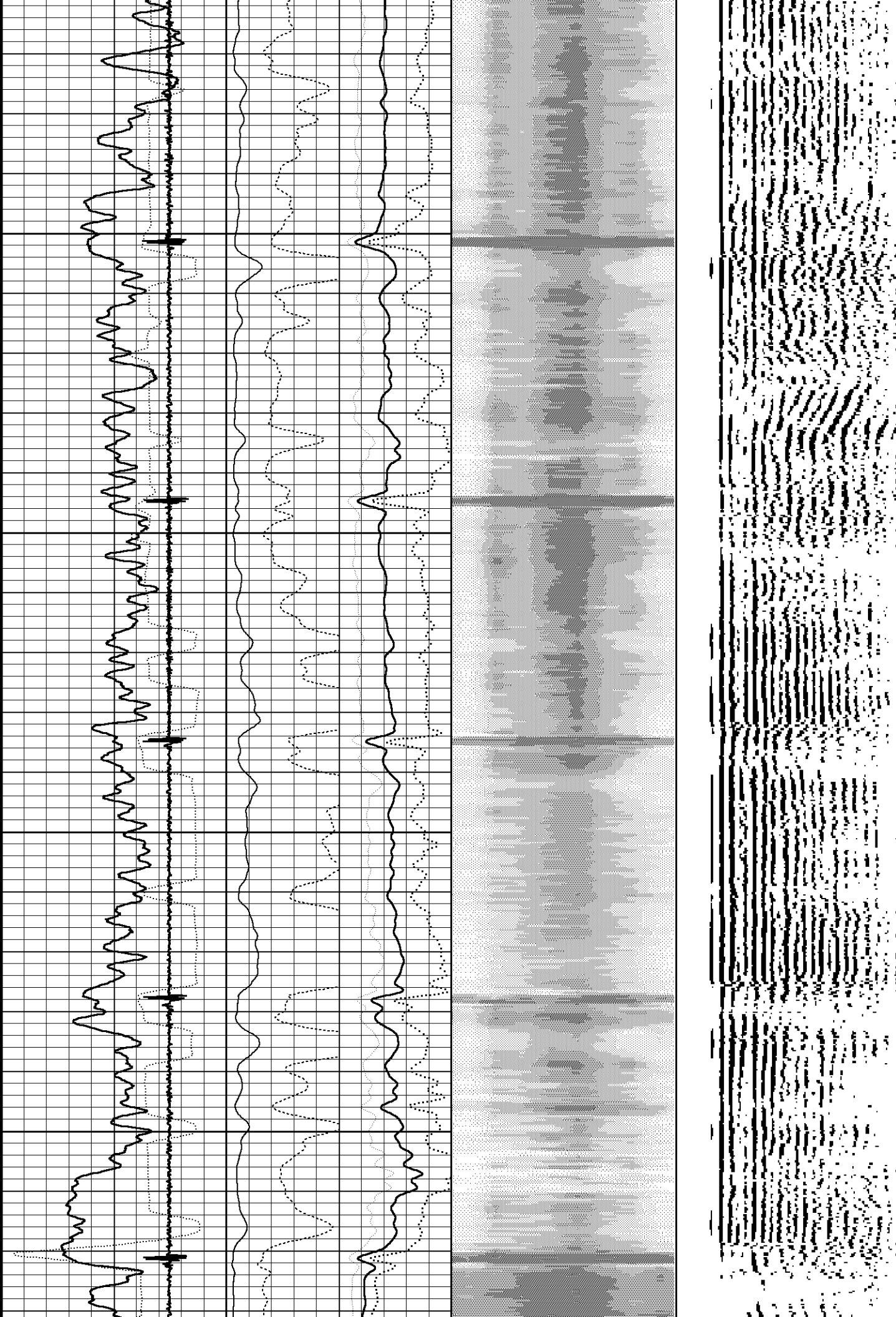


3100

3150

3200

3250



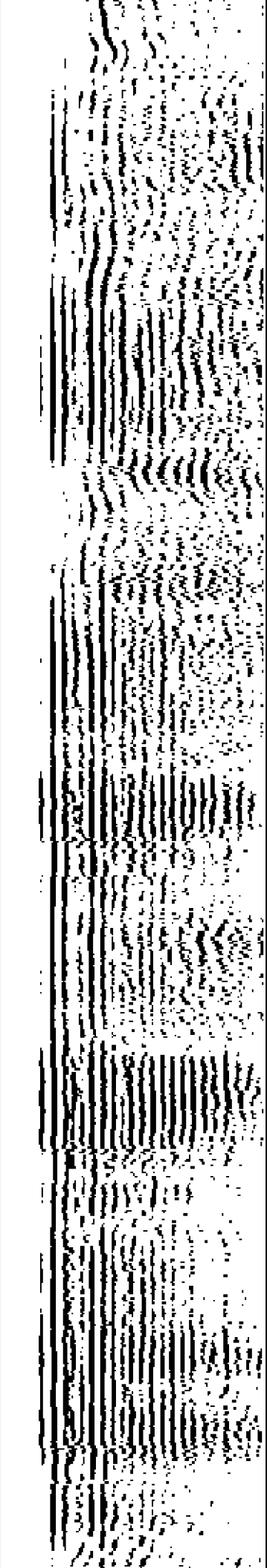
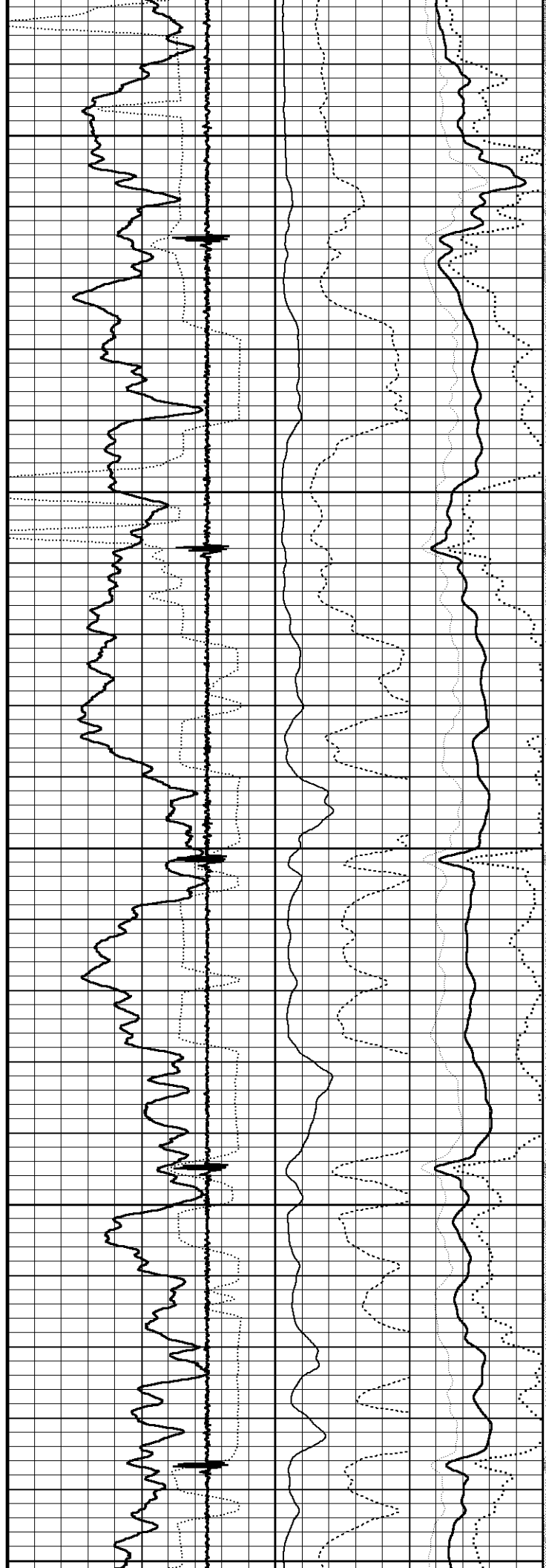
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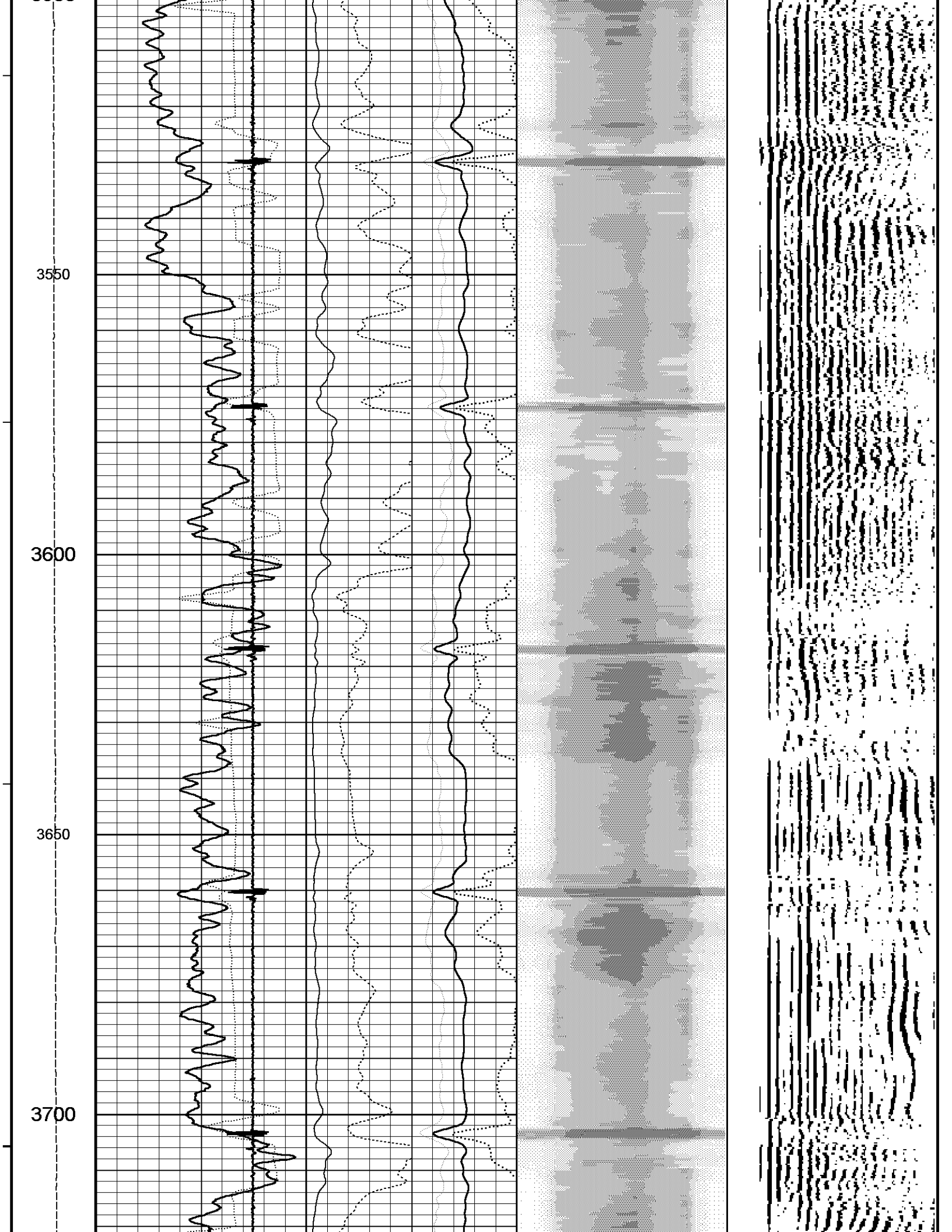
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3400

3450

3500



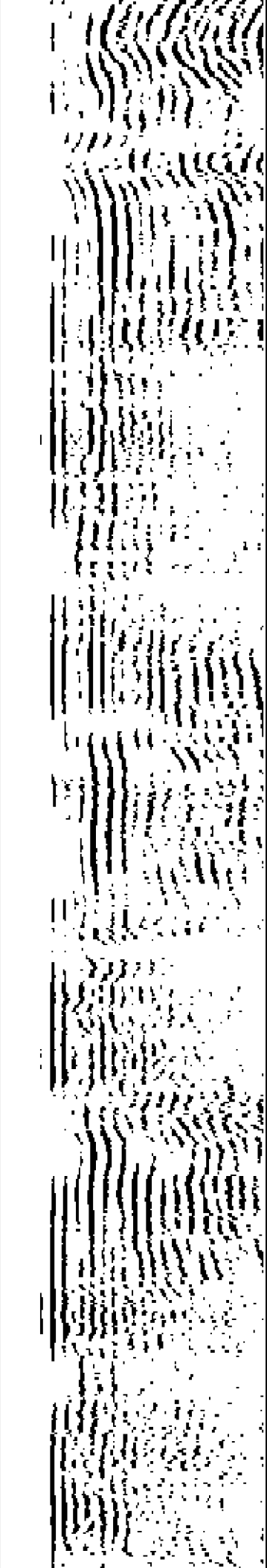
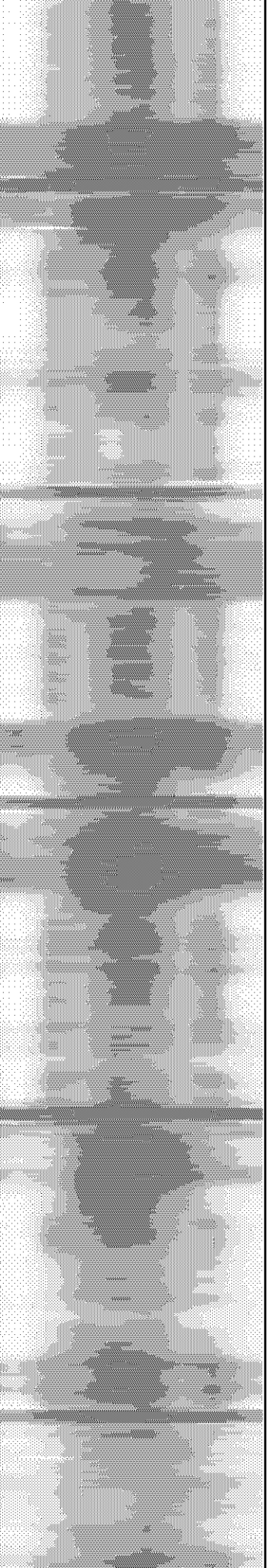
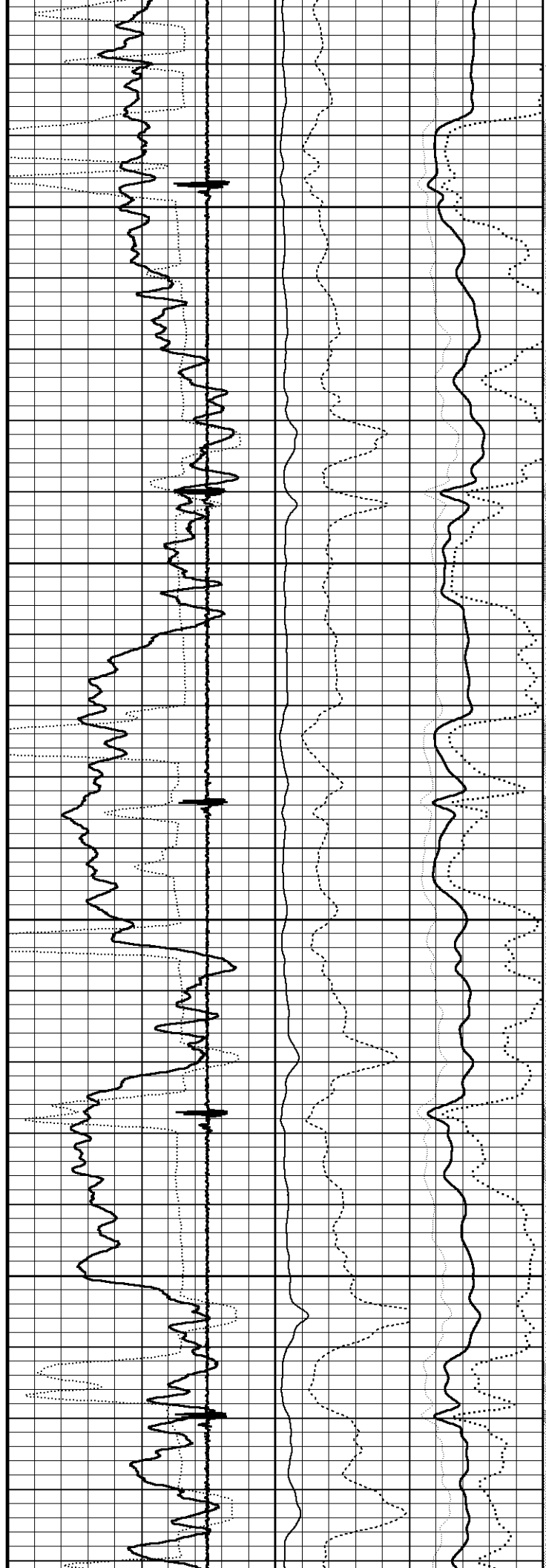


3750

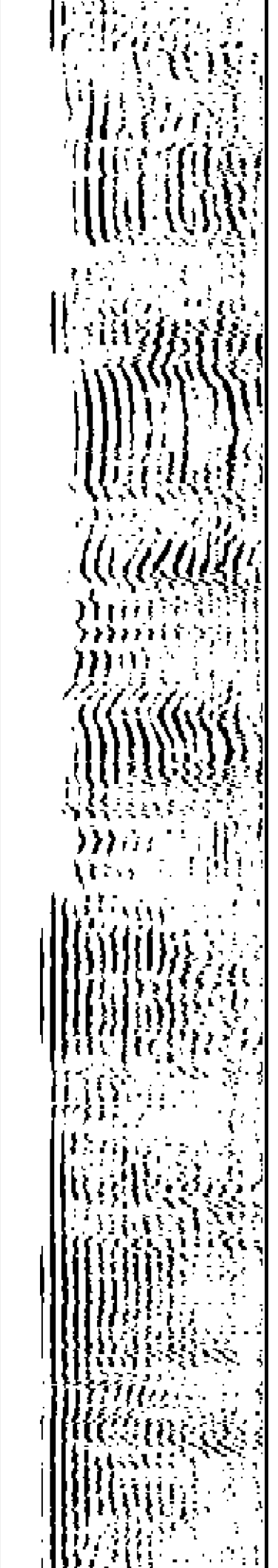
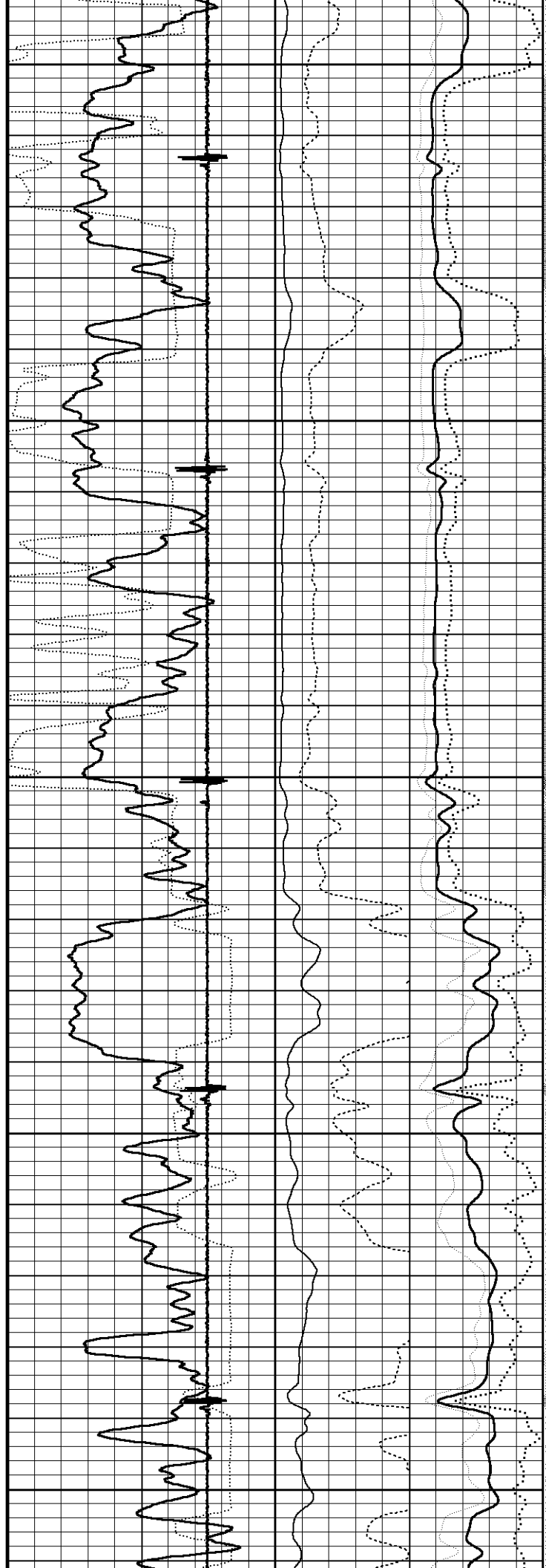
3800

3850

3900



3950  
4000  
4050  
4100  
4150

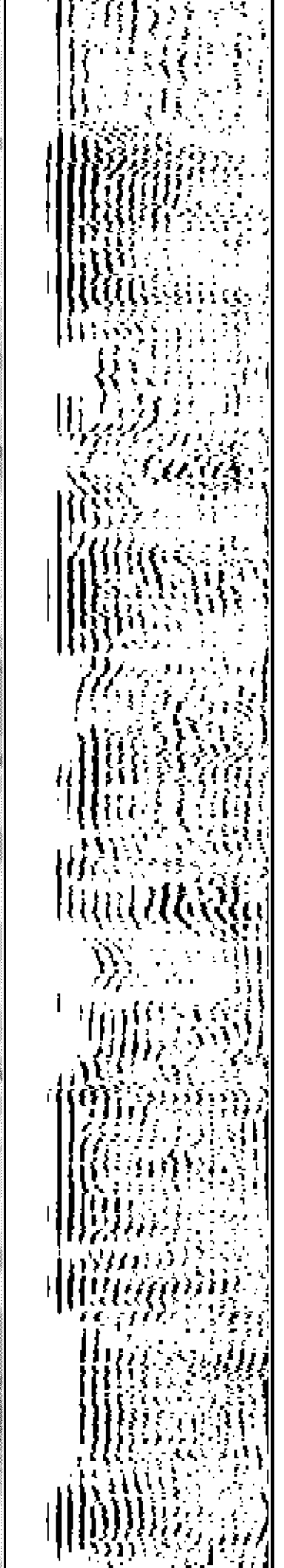
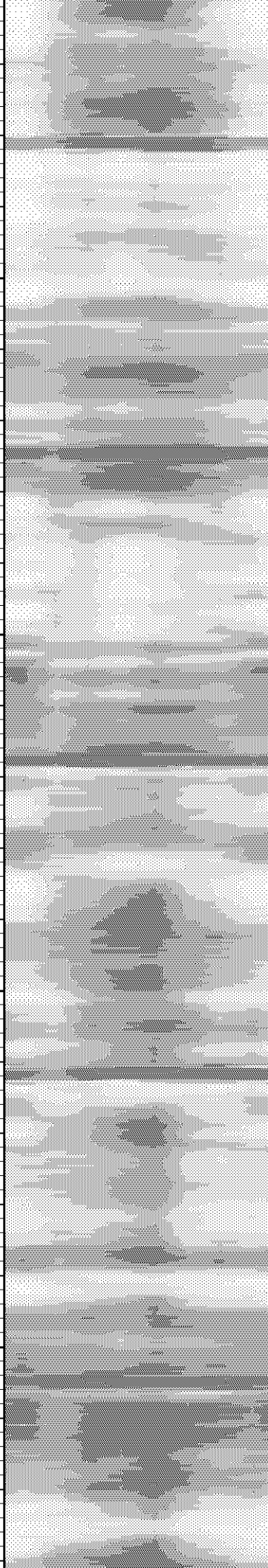
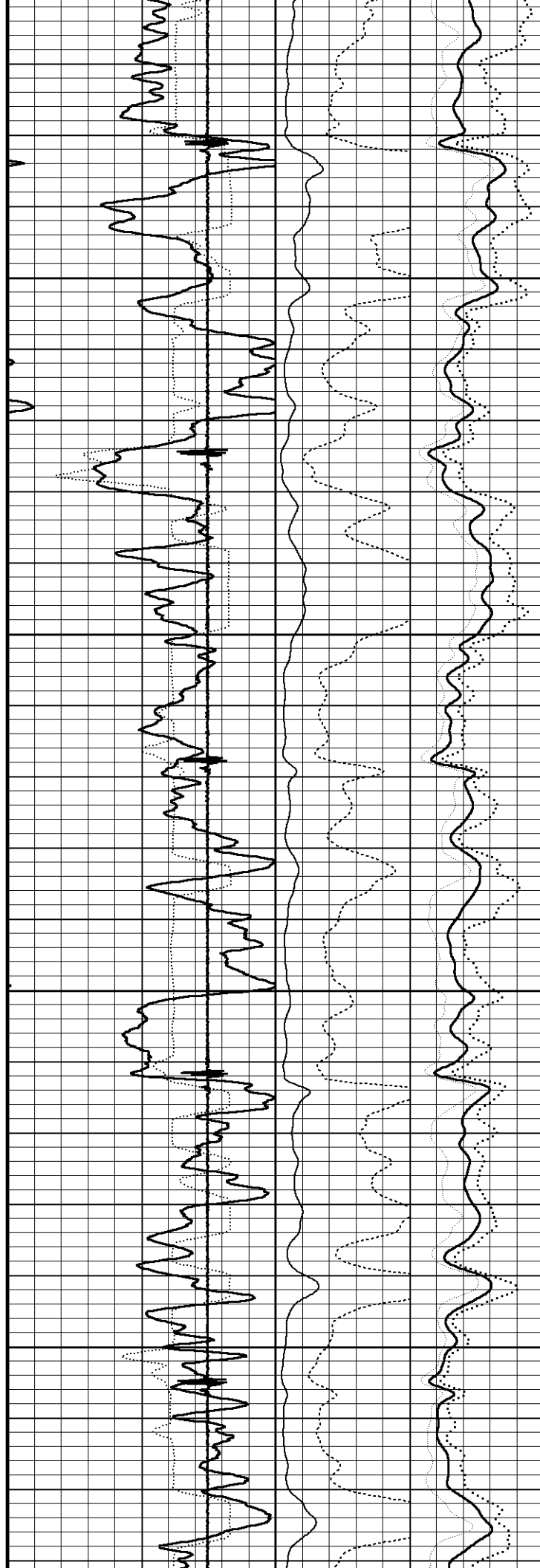


4200

4250

4300

4350



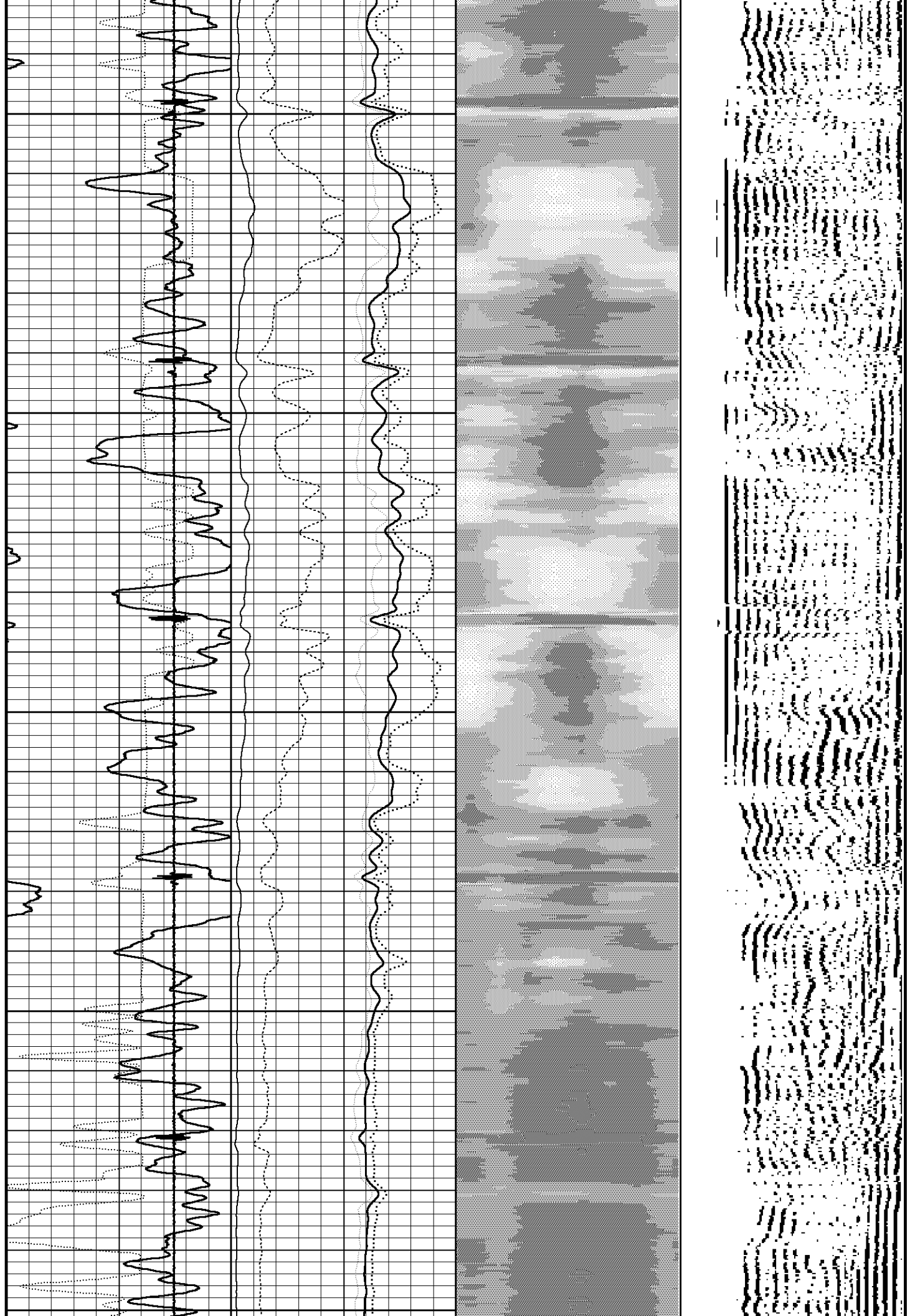
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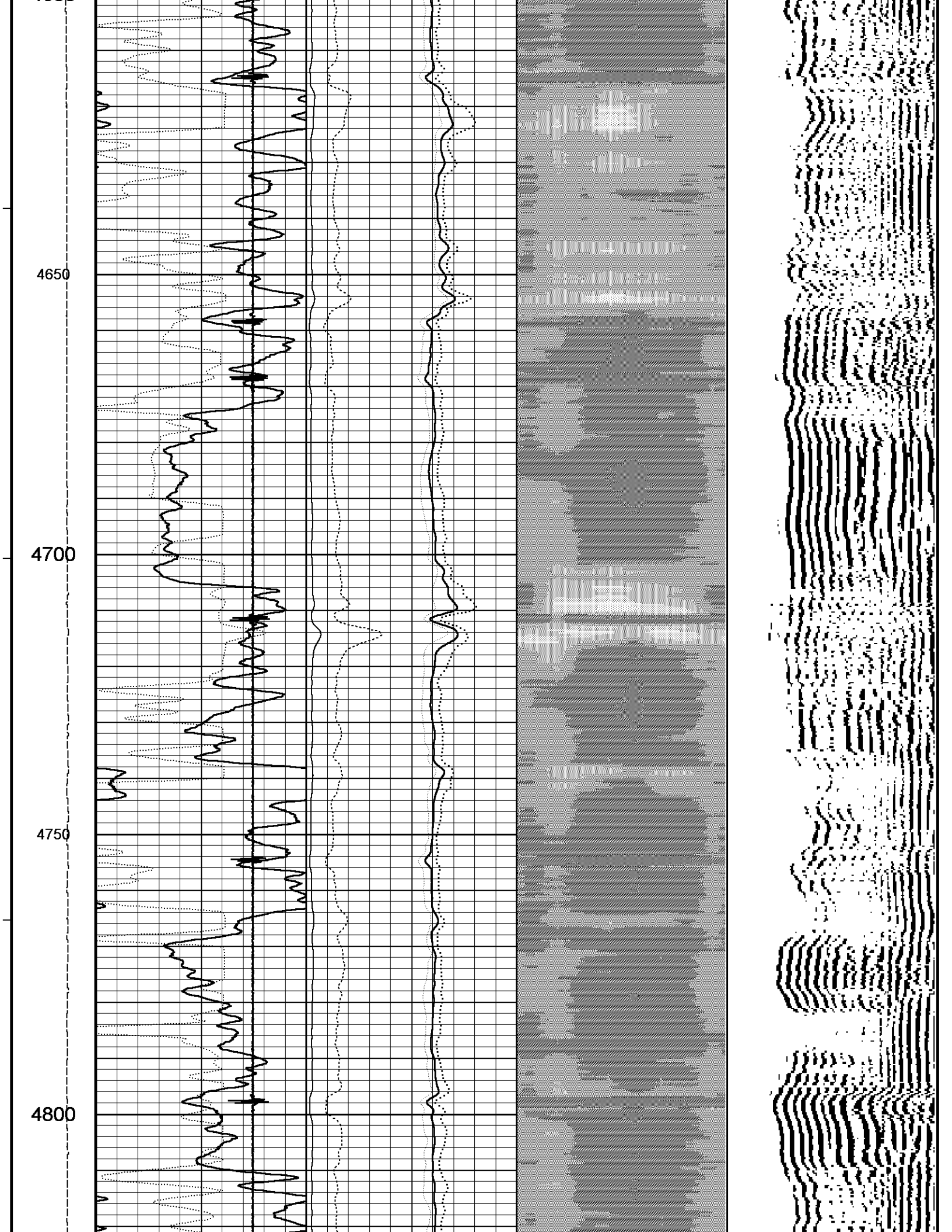
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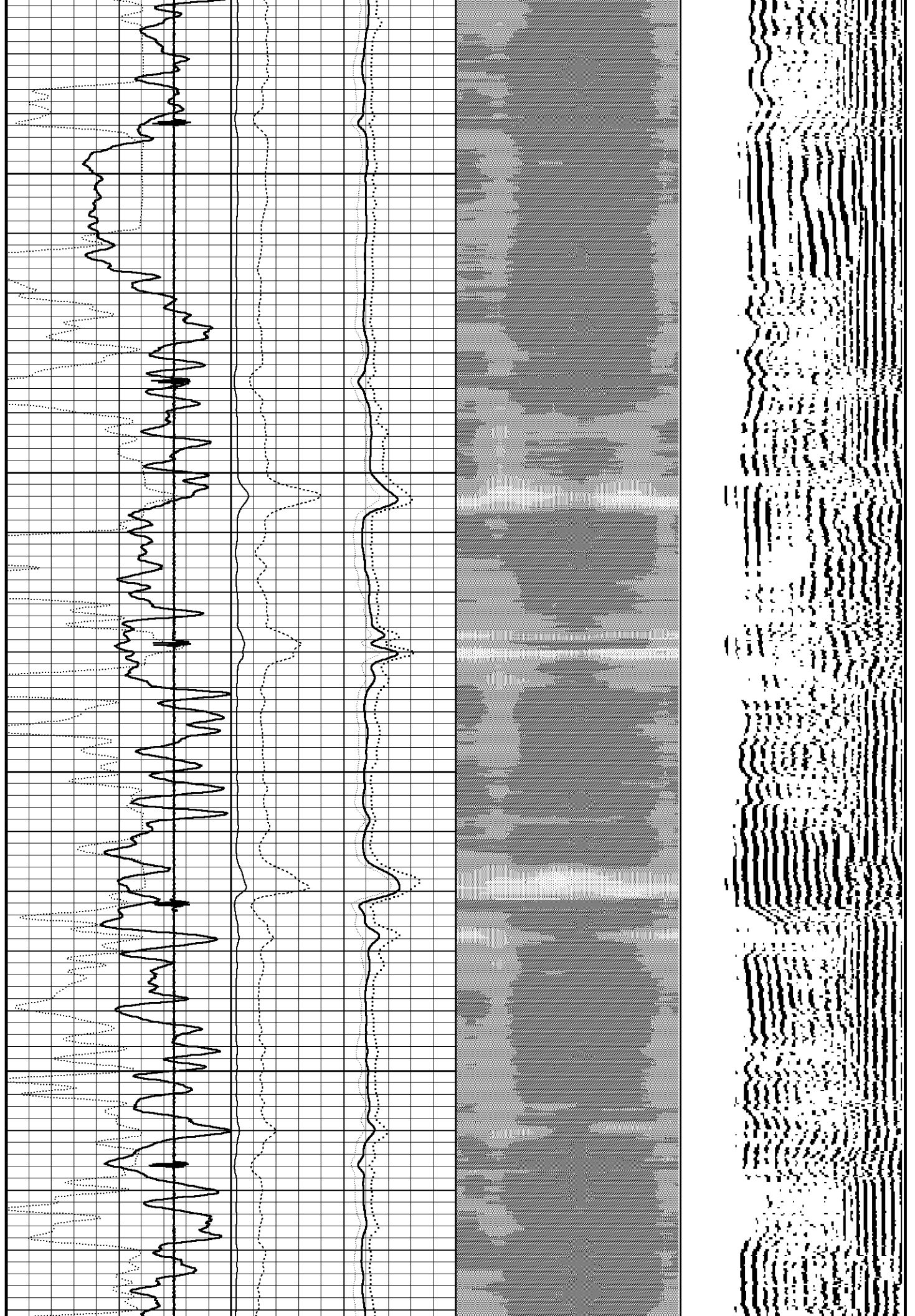
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4600

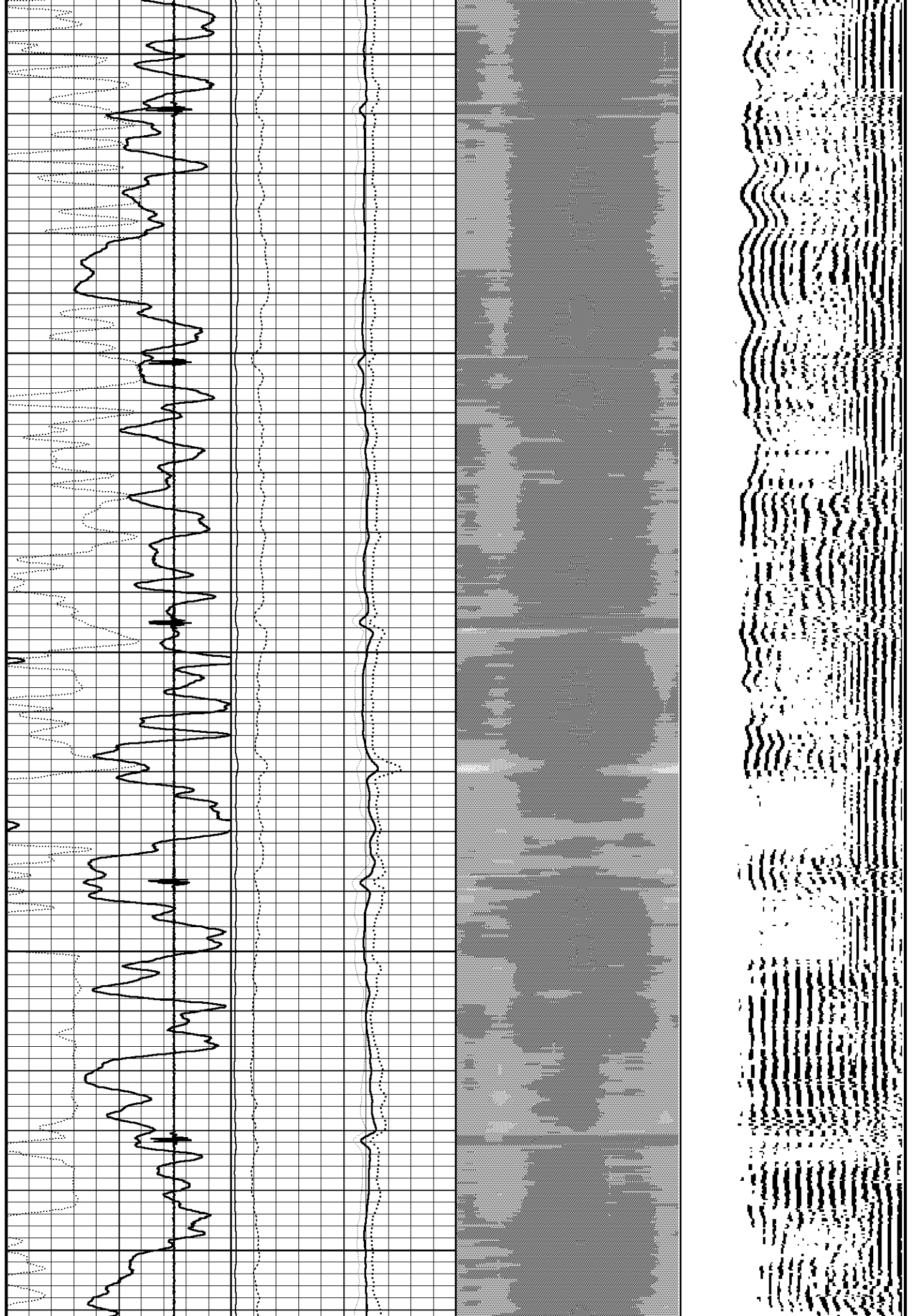




4850  
4900  
4950  
5000



5050  
5100  
5150  
5200  
5250

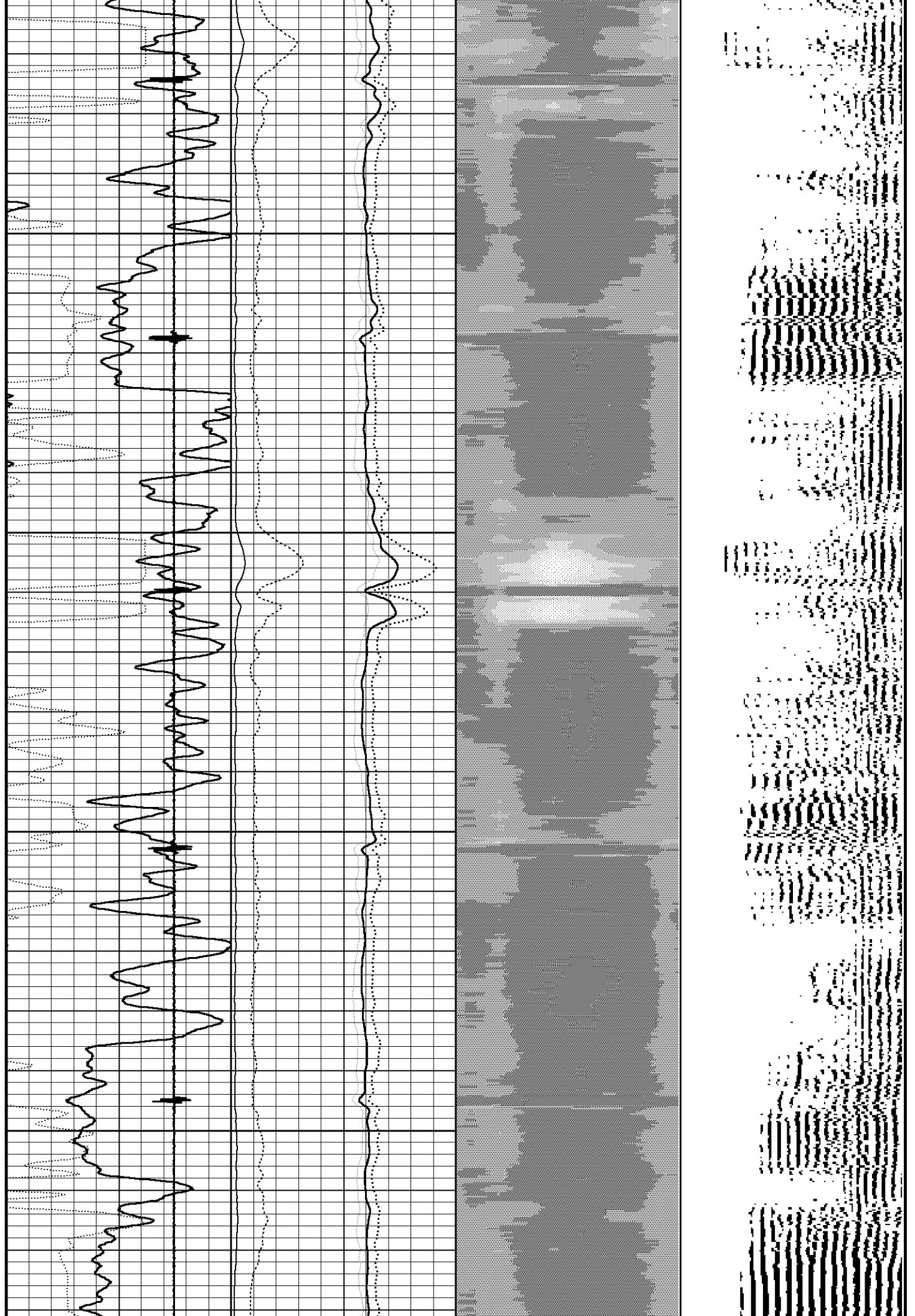


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5350

5400

5450



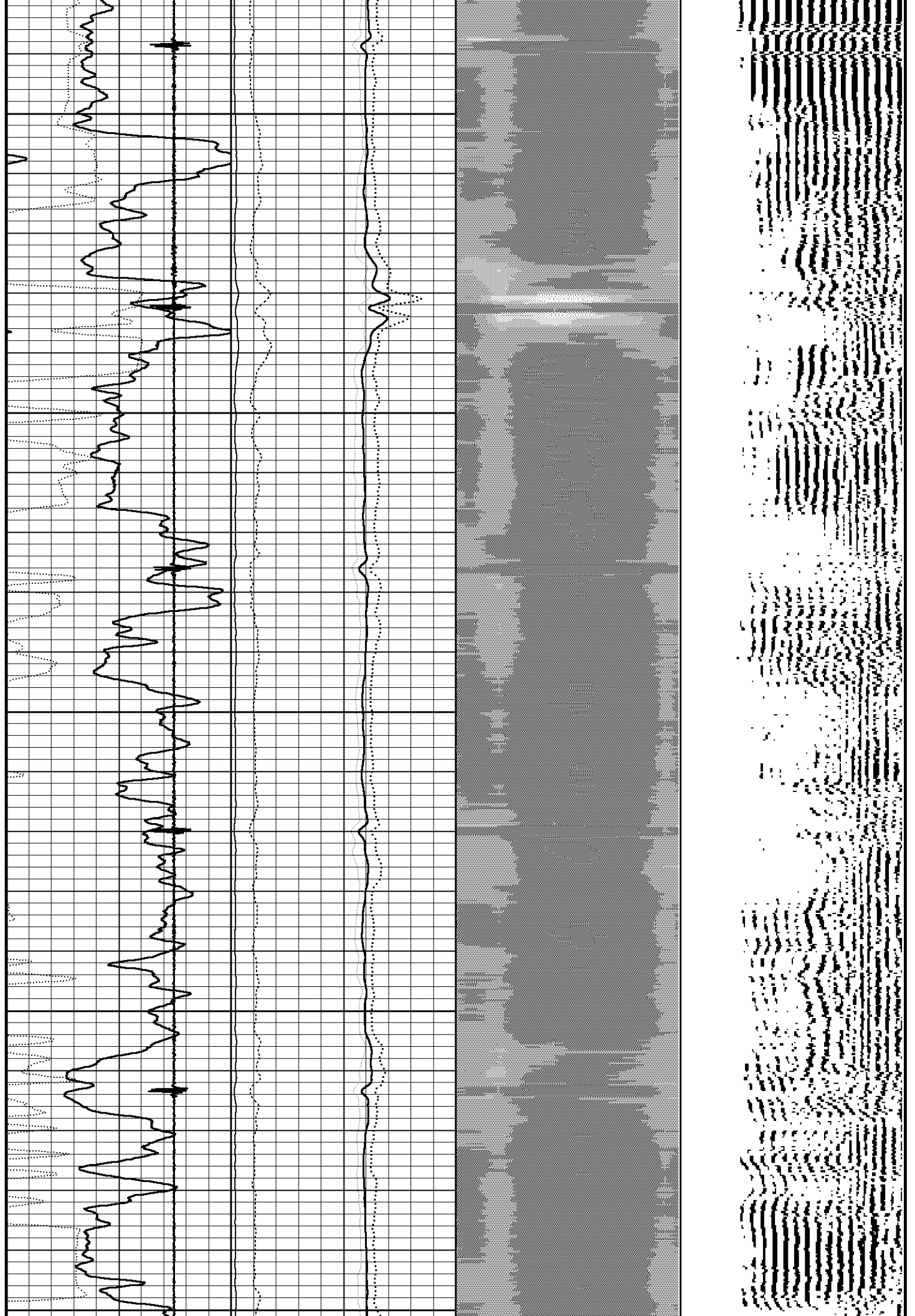
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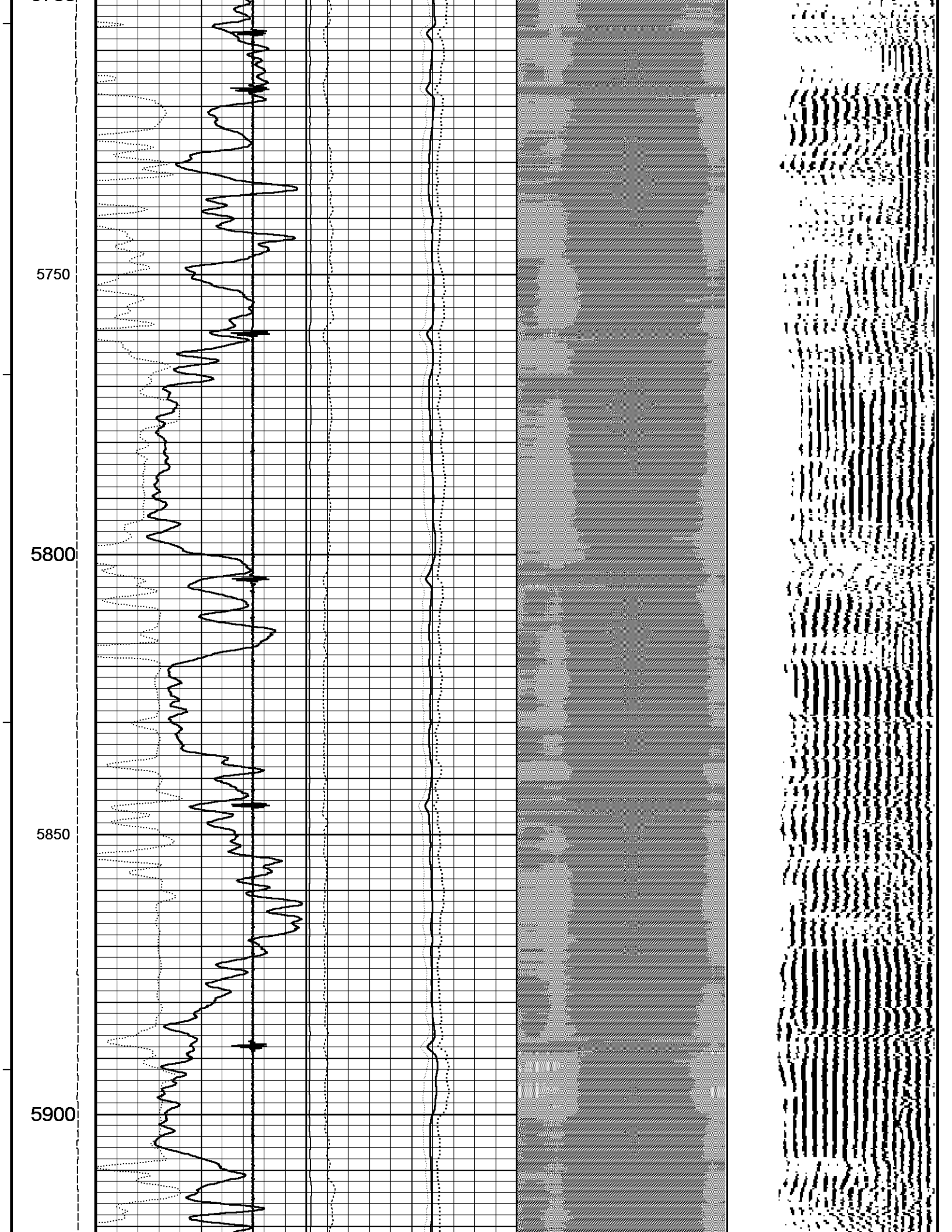
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5600

5650

5700



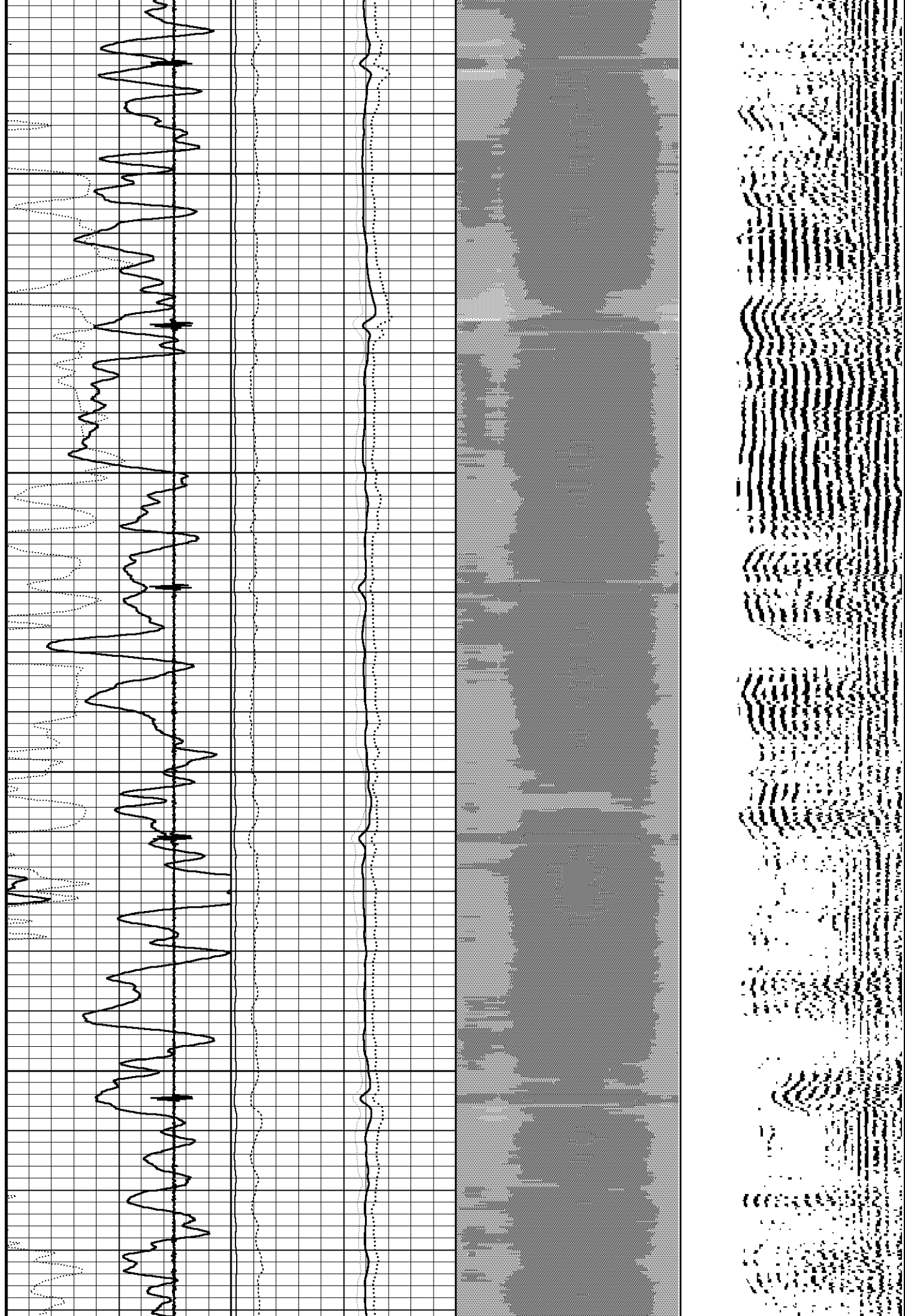


5950

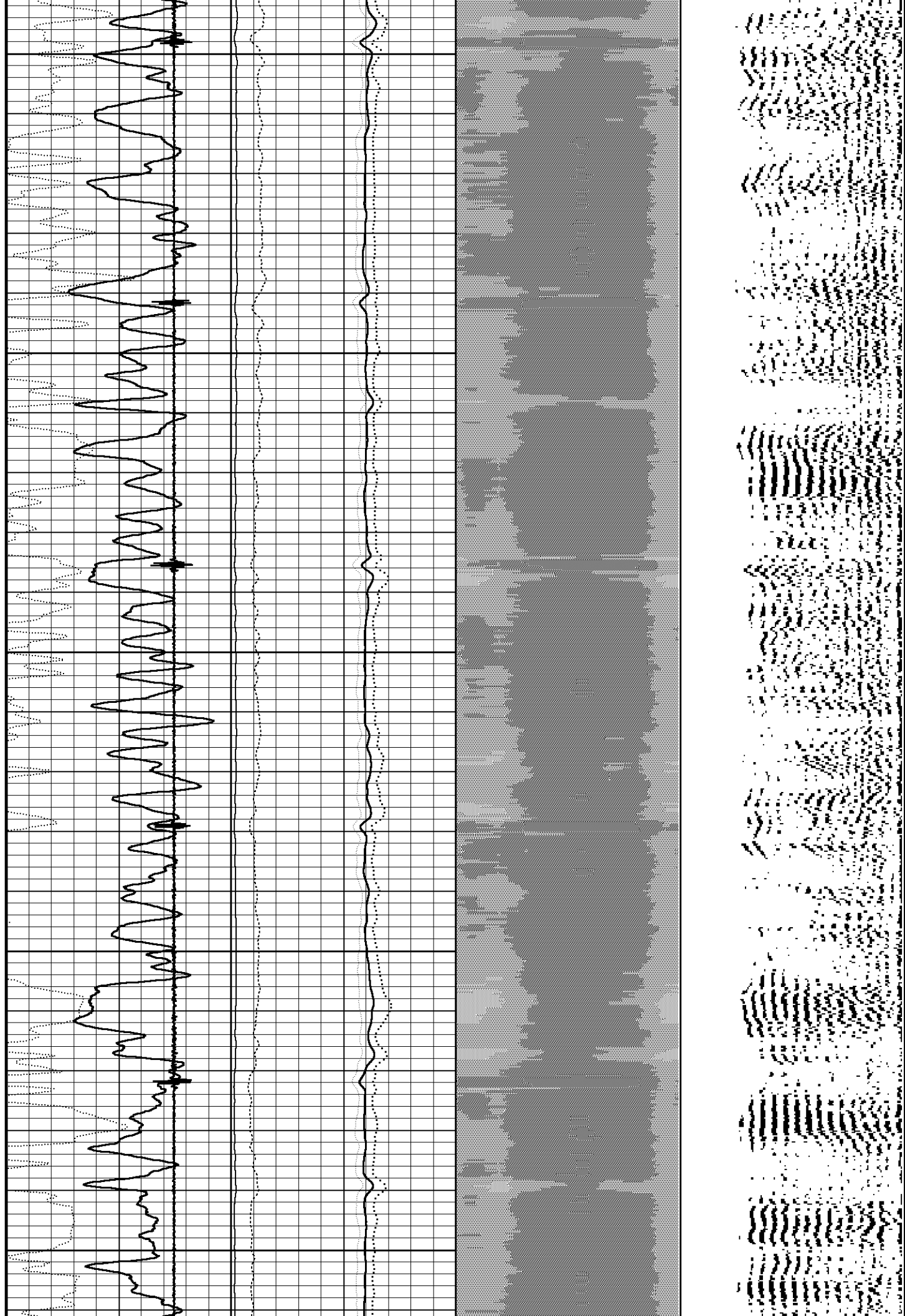
6000

6050

6100



6150  
6200  
6250  
6300  
6350

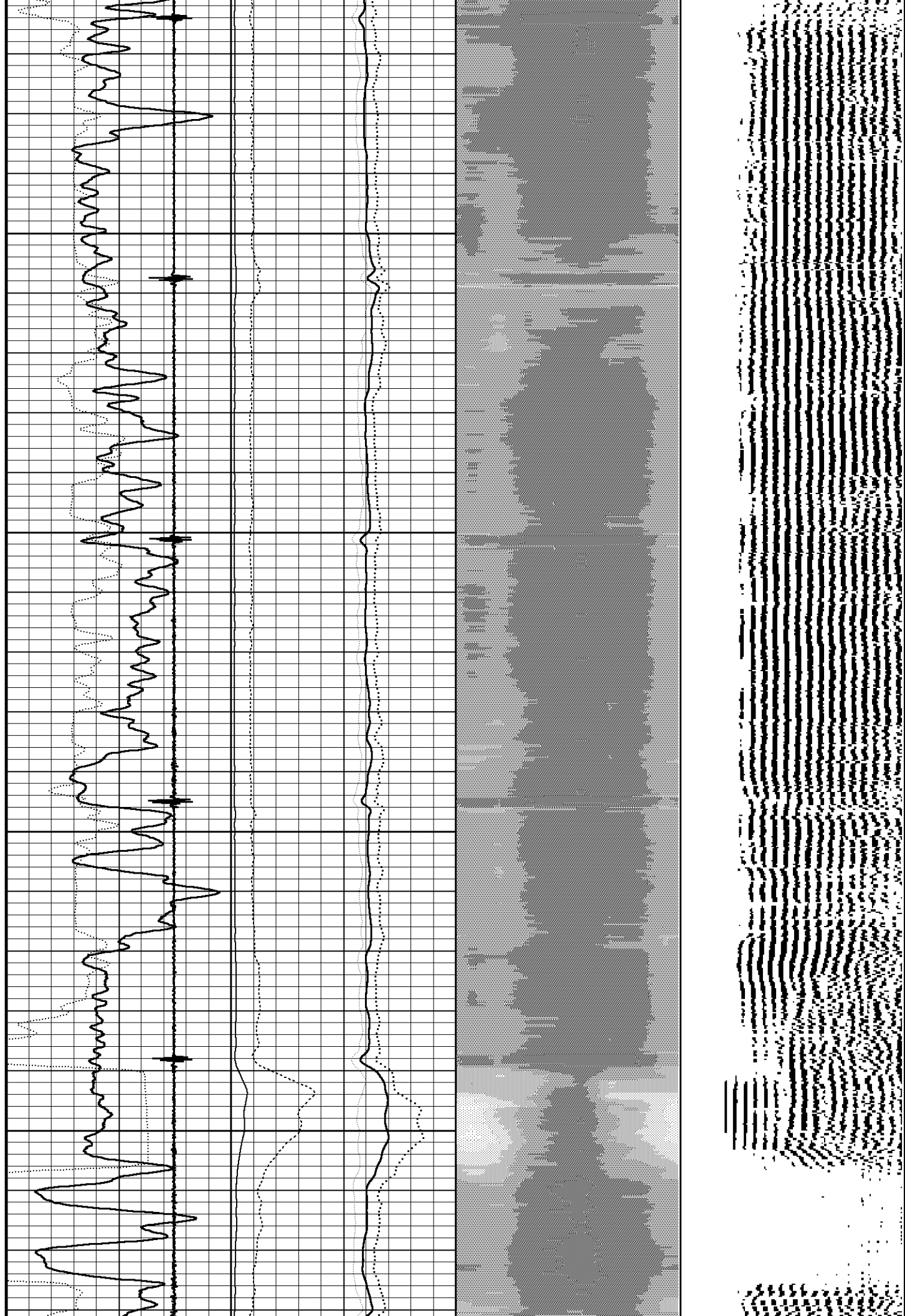


6400

6450

6500

6550



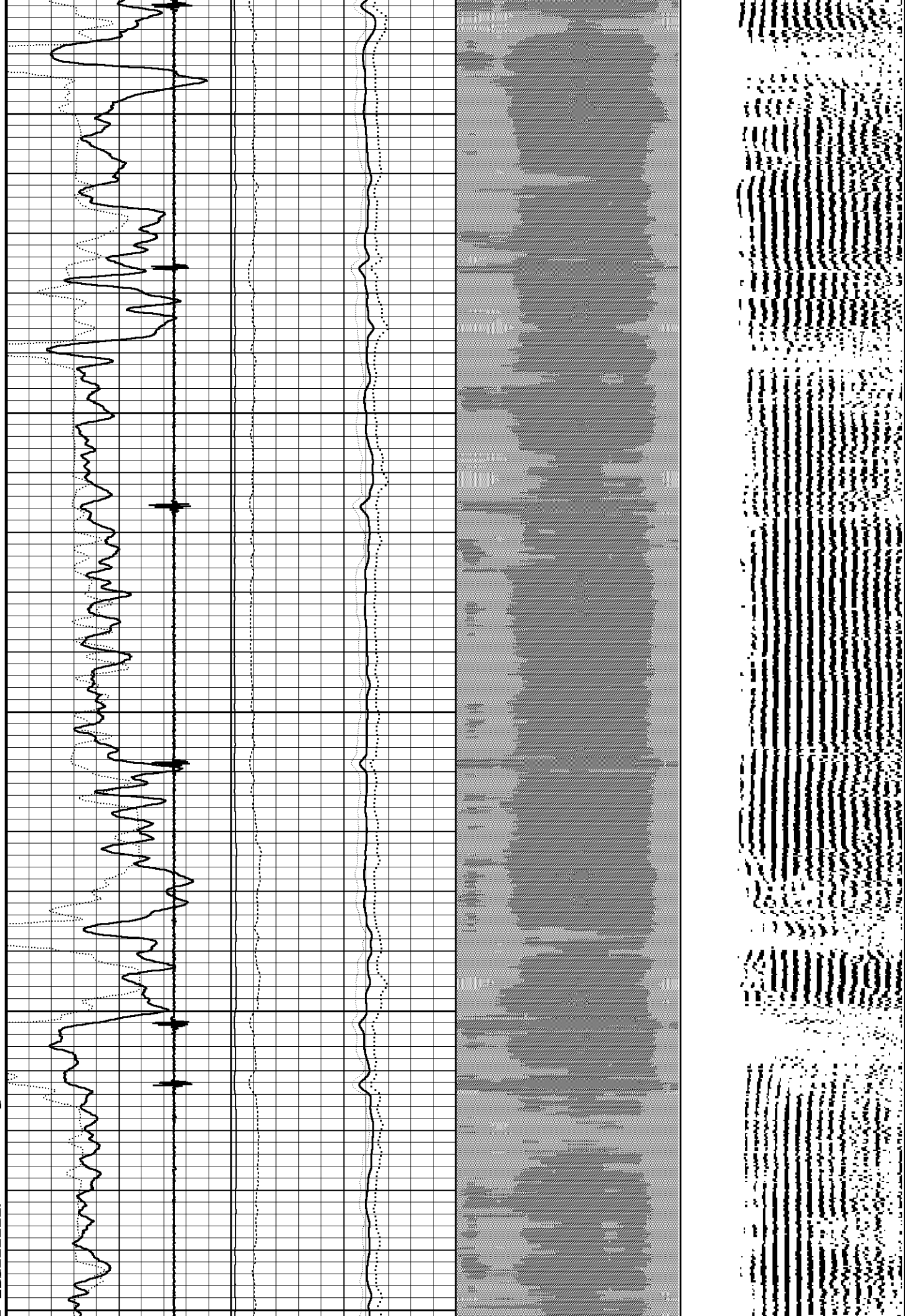
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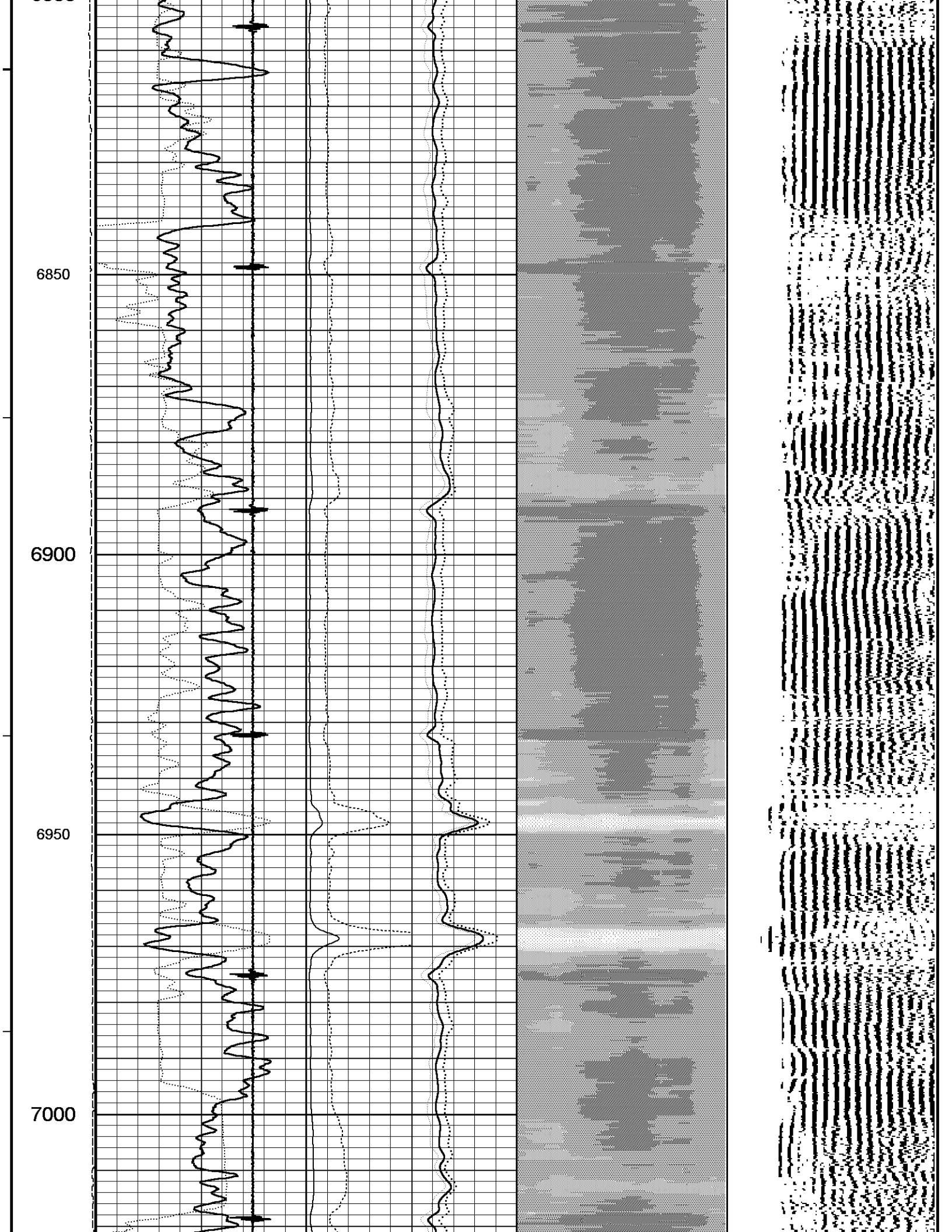
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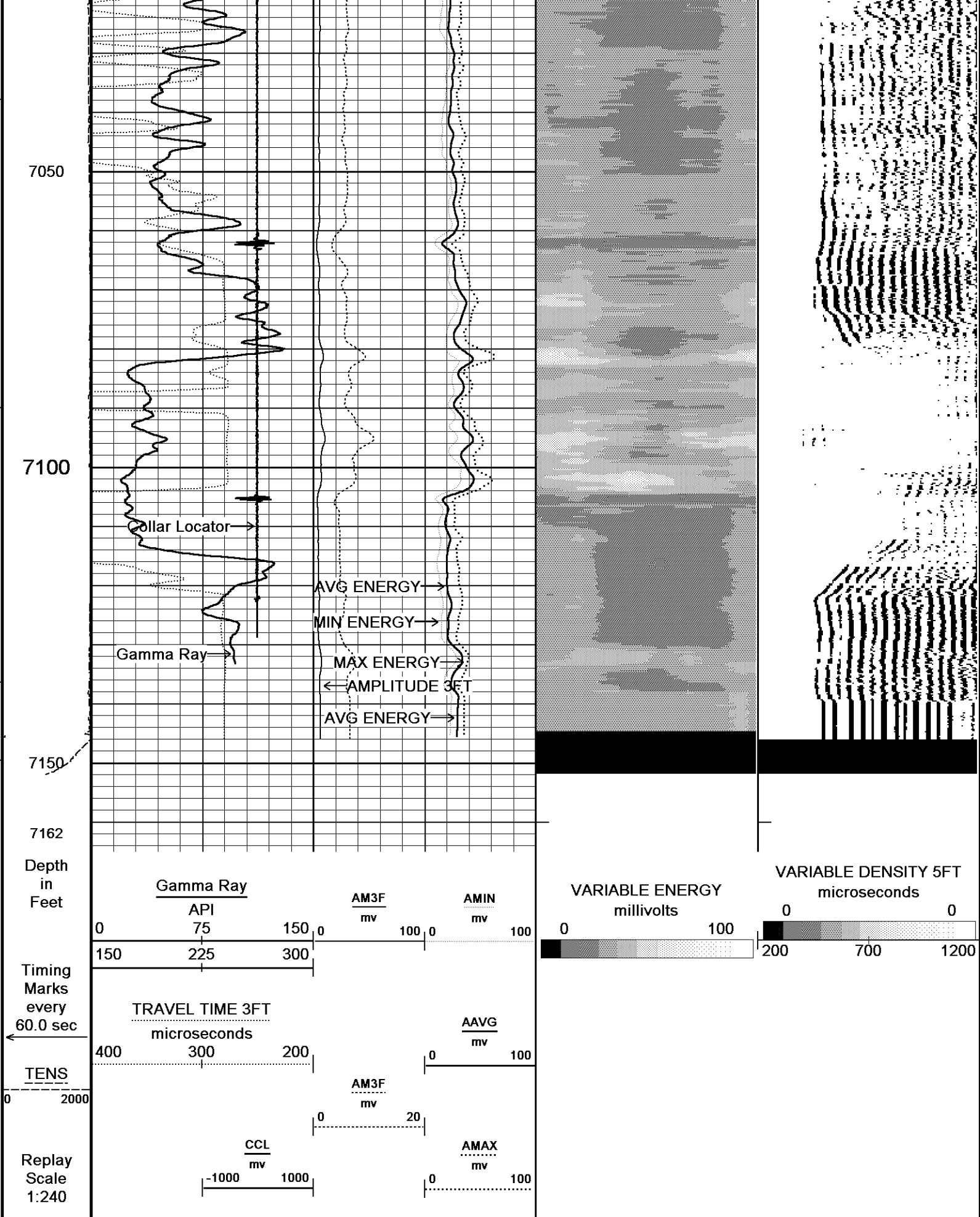
6700

6750

6800







REPEAT PASS

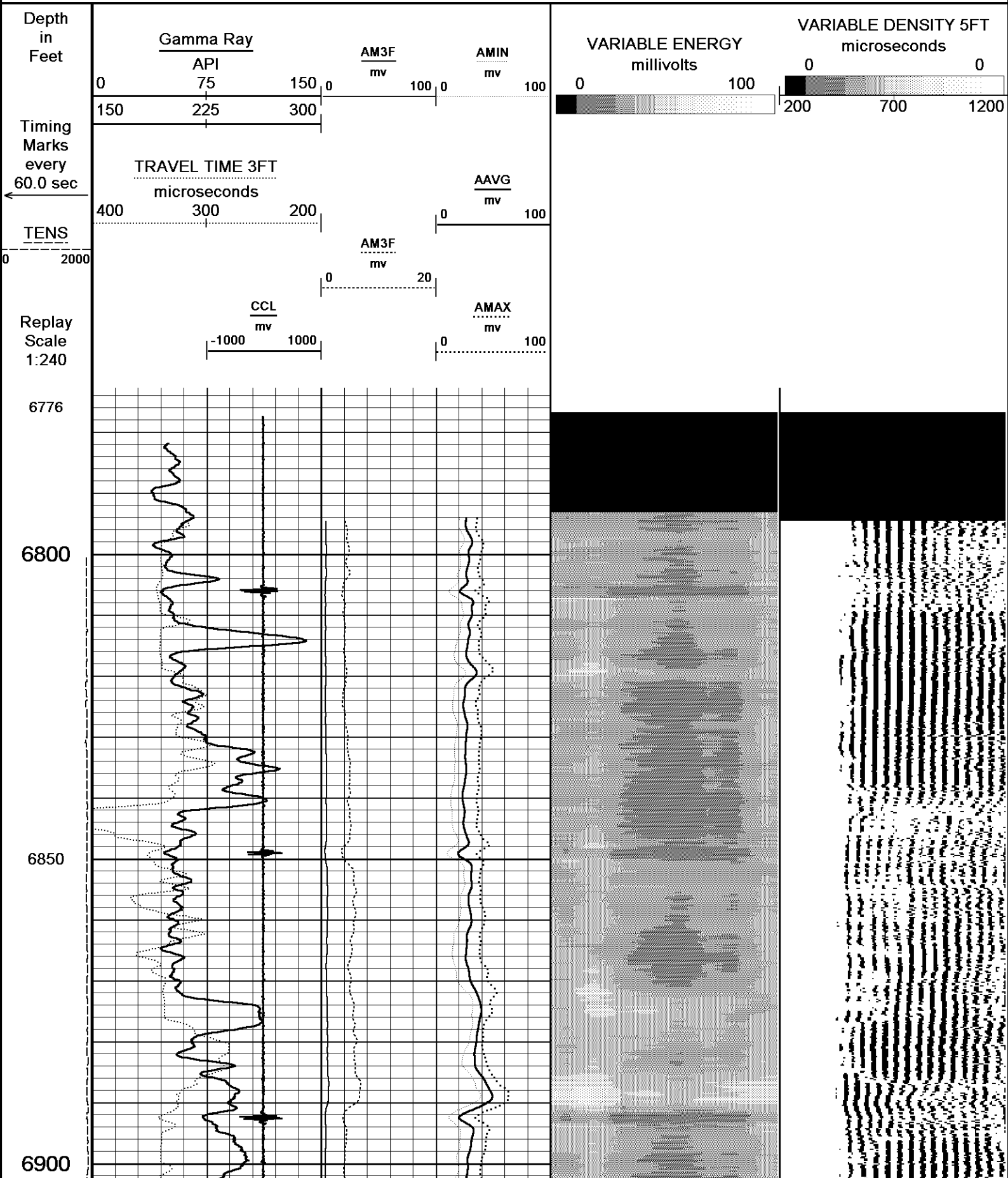
Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 26-NOV-2013 16:07

Filename: C:\Logs\URSA MCLIN B PAD\B15\McLIN 15 SBT.dta

Recorded on 22-NOV-2013 20:14

System Versions: Logged with 13.07.1492 Plotted with 13.07.1492

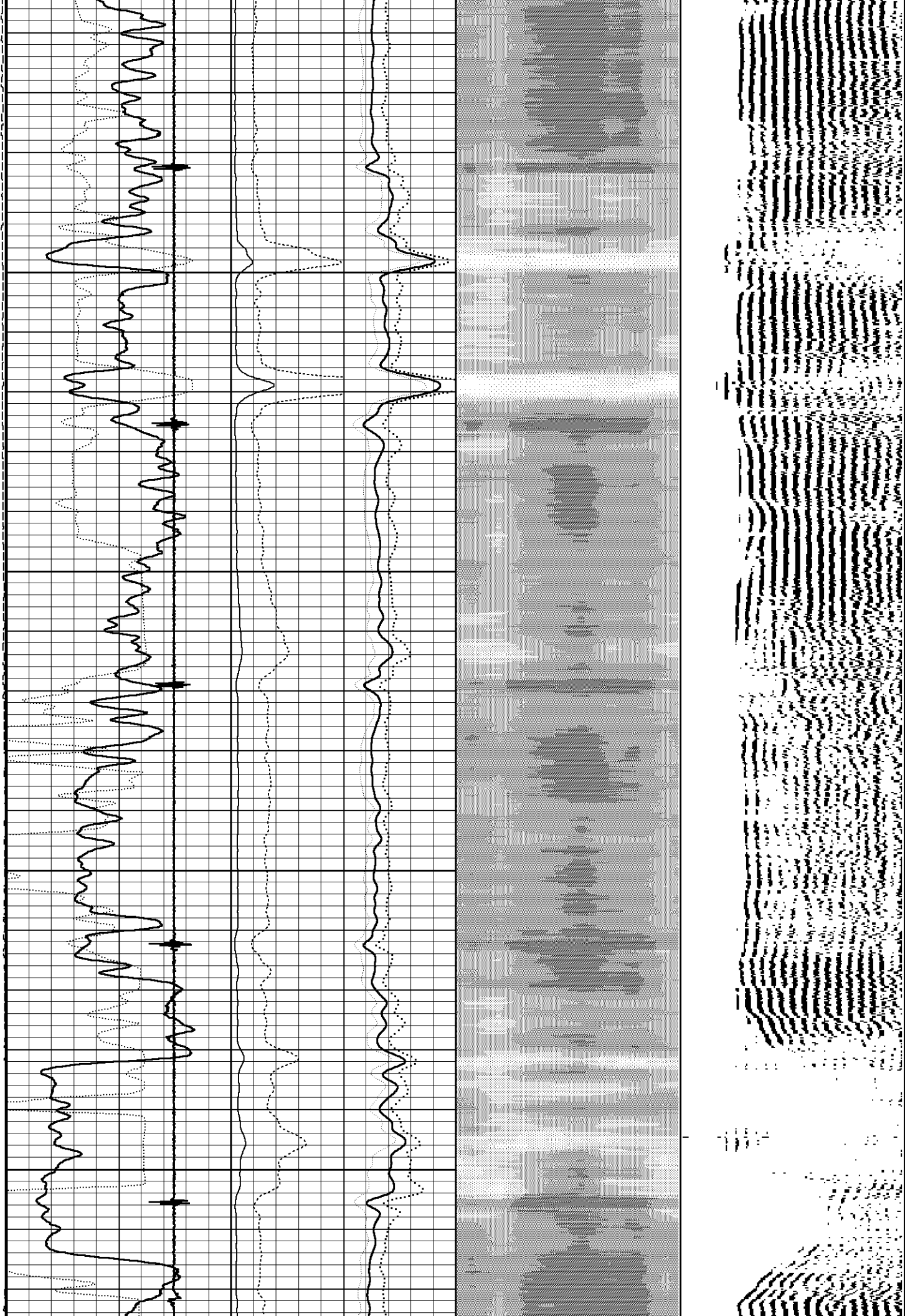


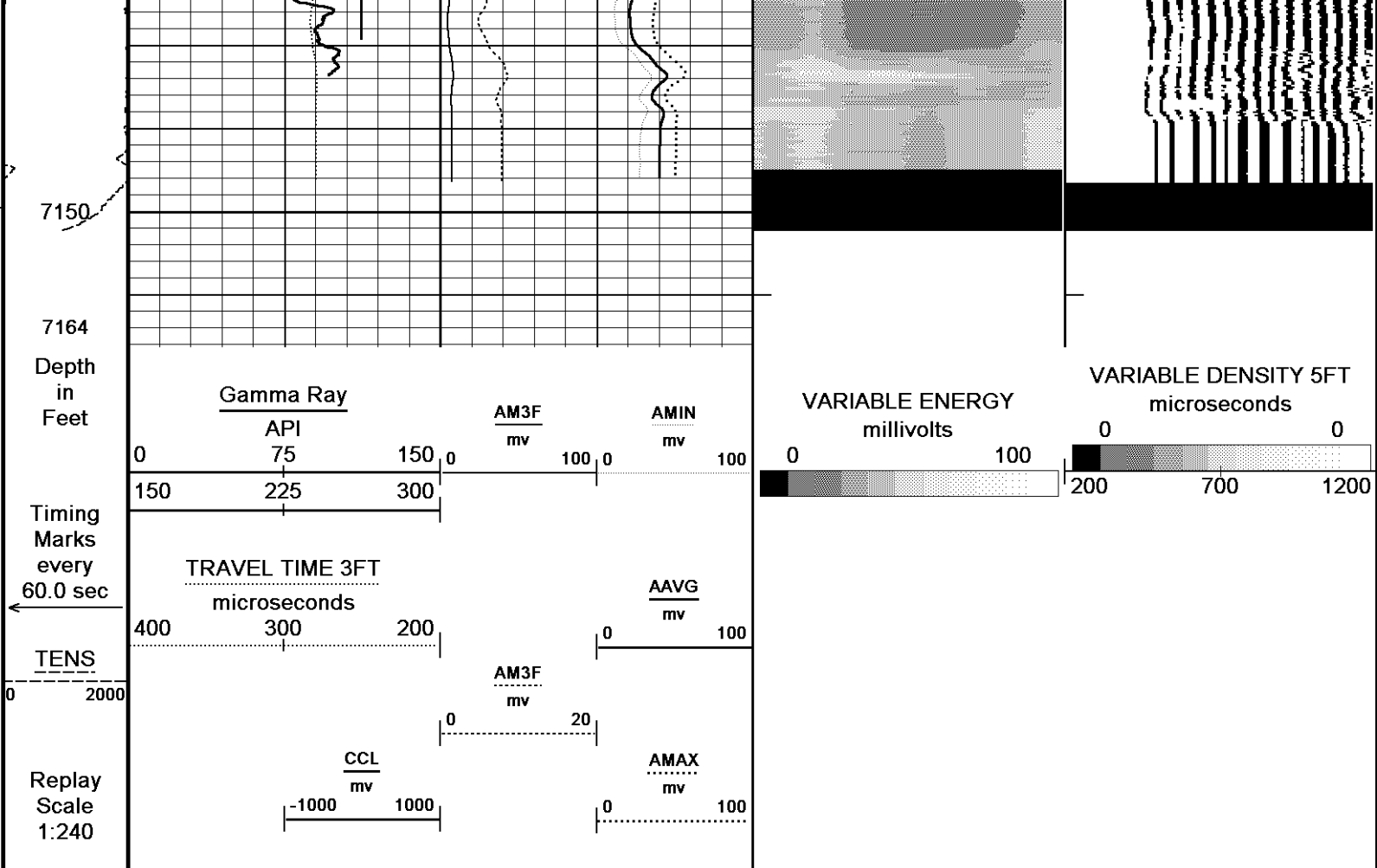
6950

7000

7050

7100





Depth Based Data - Maximum Sampling Increment 2.5cm  
 Plotted on 26-NOV-2013 16:07  
 Filename: C:\Logs\URSA MCLIN B PAD\B15\McLIN 15 SBT.dta  
 Recorded on 22-NOV-2013 20:14  
 System Versions: Logged with 13.07.1492 Plotted with 13.07.1492

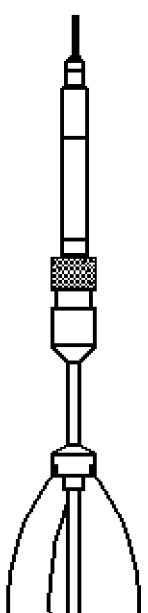
↑ REPEAT PASS ↑

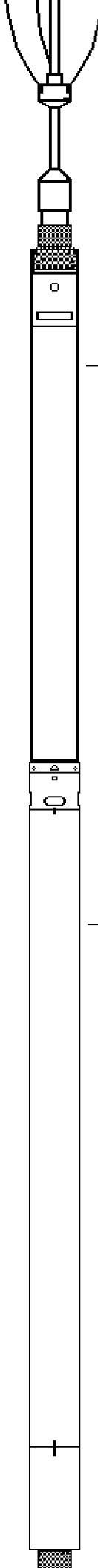
REMARKS  
 C:\Logs\URSA MCLIN B PAD\B15\McLIN 15 SBT\_001.dta  
 THIS IS THE MAIN LOG FOR THIS WELL. ALL LOG INTERVALS WERE DONE TO COSTUMER REQUEST.

DOWNHOLE EQUIPMENT  
 C:\Logs\URSA MCLIN B PAD\B15\McLIN 15 SBT.dta

Mono-Cablehead  
 MCH-AA 0 LG: 1.02 ft WT: 2.2 lb OD: 1.42 in

2.75in Bond Cent  
 CEN-AA 216 LG: 2.49 ft WT: 11.0 lb OD: 2.72 in





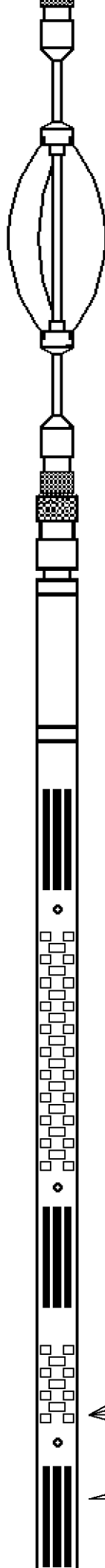
2.75" CCL/Telemetry Sub  
CTB-AB 323 LG: 3.40 ft WT: 39.7 lb OD: 2.76 in

23.23 ft CCL - Collar Locator

2.75" Gamma Ray Tool  
GRB-AA 0 LG: 4.71 ft WT: 59.5 lb OD: 2.76 in

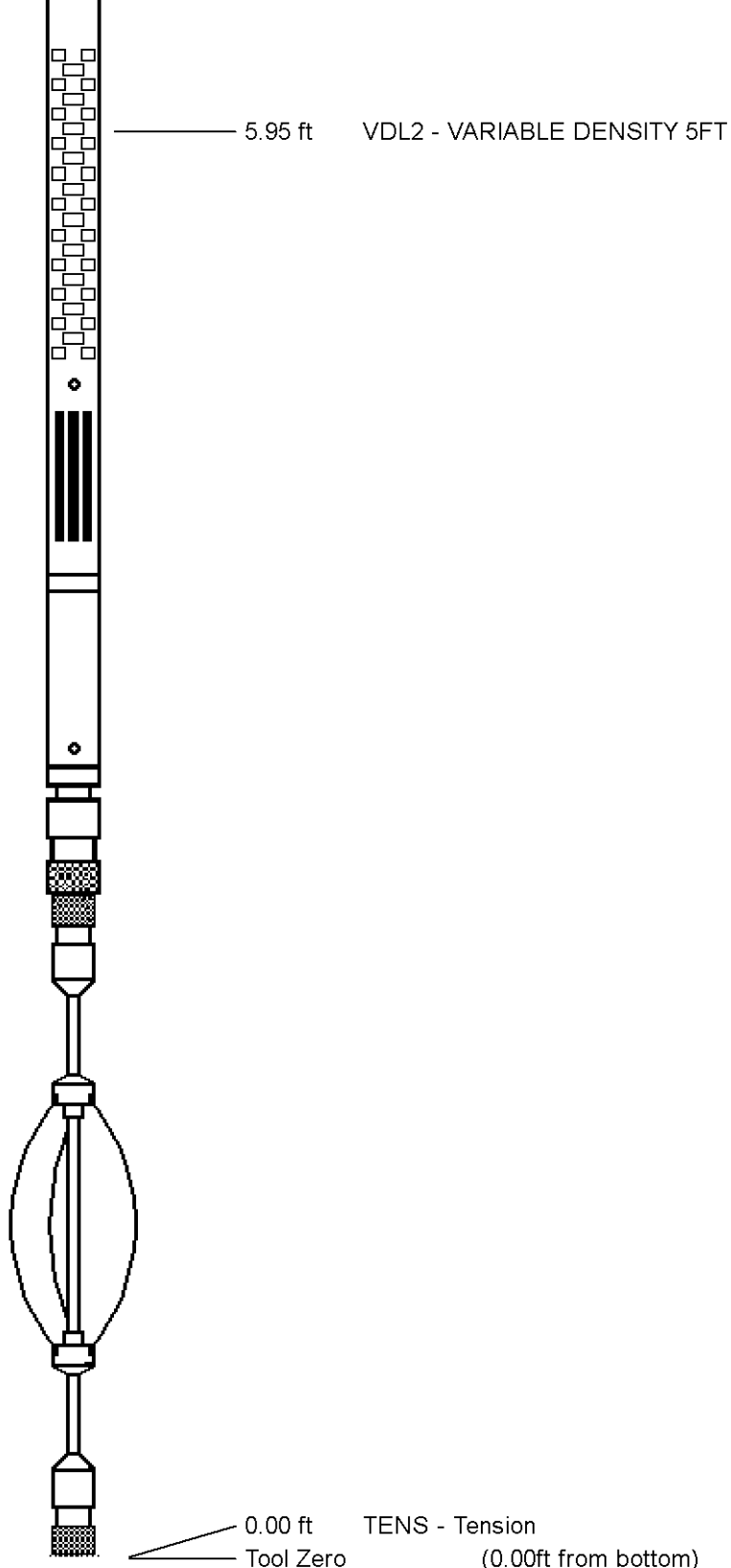
19.64 ft GR - Gamma Ray

2.75in SBT Middle  
CEN-BA 210 LG: 3.08 ft WT: 22.0 lb OD: 2.72 in



Sector Bond Tool  
SBT-AA 229 LG: 10.32 ft WT: 90.4 lb OD: 2.72 in

7.44 ft AMIN - MIN ENERGY  
7.44 ft AMAX - MAX ENERGY  
7.44 ft VAMP - VARIABLE ENERGY  
7.44 ft AAVG - AVG ENERGY  
6.95 ft AM3F - AMPLITUDE 3FT  
6.95 ft TT3F - TRAVEL TIME 3FT



2.75in Bond Cent  
 CEN-AA 210 LG: 2.49 ft WT: 11.0 lb OD: 2.72 in

Total Length: 27.51 ft Weight: 235.9 lb

0.00 ft TENS - Tension  
 Tool Zero (0.00ft from bottom)

All measurements relative to tool zero.

SHOP AND FIELD CALIBRATIONS

C:\Logs\URSA MCLIN B PAD\B15\McLIN 15 SBT\_002.dta

UGR Field survey cal GRB-AA 0

Field calibration on 27-AUG-2013 10:31

Gamma Ray Field survey calibration

Tool Type: GRB-AA  
 Calibrator No: th\_022

serial No: 0

Background      Calibrator      Standard      Units

0.0              296.8              140.0      CPS

Delta Counts Per Sec: 296.8              CPS/API = 2.120

SBT Field Calibration    SBT-AA 229

Field Calibration on 22-NOV-2013 19:29

## Sector Bond Field Calibration

Tool Type	SBT-AA	Serial No	229
Sensor	Description	Standard	Measured
AMP 3FT	100% Bond	2.70	1.10
	Free Pipe	81.00	1066.30
AMP 5FT	100% Bond	1.80	5.50
	Free Pipe	54.00	1933.80
1 SECTOR AMP	100% Bond	5.00	12.20
	Free Pipe	95.00	408.72
2 SECTOR AMP	100% Bond	5.00	66.40
	Free Pipe	95.00	537.20
3 SECTOR AMP	100% Bond	5.00	4.70
	Free Pipe	95.00	549.15
4 SECTOR AMP	100% Bond	5.00	3.70
	Free Pipe	95.00	411.20
5 SECTOR AMP	100% Bond	5.00	3.70
	Free Pipe	95.00	507.20
6 SECTOR AMP	100% Bond	5.00	6.20
	Free Pipe	95.00	536.50
7 SECTOR AMP	100% Bond	5.00	3.50
	Free Pipe	95.00	543.10
8 SECTOR AMP	100% Bond	5.00	11.90
	Free Pipe	95.00	480.70

SBT Constants    SBT-AA 229

Last Edited on 00-JAN-1988 00:00

Min Ampl 100% Bond	3.00 mv
Max Ampl 0% Bond	81.00 mv
Casing Size	4.50 IN
Casing Weight	11.6 LB/F
3' TT Correction	-999.3 us
DT Fluid	200.0 US/F
Fast Formation TT	38.5 US/F
Cement Cmpr Strength	580 PSI
Casing Velocity	57.00 US/F
Maximum Attenuation	12.00 DB/F

SMS Constants    SMS-A 0

Cement weight 0.00 LB/G  
 Cement weight 0.00 LB/G

COMPANY URSA OPERATING  
 WELL MCLIN B15  
 FIELD KOKOPELLI  
 PROVINCE/COUNTY GARFIELD  
 COUNTRY/STATE COLORADO

Elevation Kelly Bushing	5613.50	feet	Bottom Log Interval	7146.00	feet
Elevation Drill Floor	5613.50	feet	Depth Driller	7318.00	feet
Elevation Ground Level	5598.00	feet	Depth Logger	7146.00	feet



**Weatherford**<sup>®</sup>

SECTOR BOND  
 GAMMA RAY CCL  
 VARIABLE ENERGY DENSITY LOG