PIONEER

Pioneer Energy Services

Radial Cement Bond Log W/ Gamma Ray/CCL/VDL And Cement Map

Company ANADARKO PETROLEUM CO.
Well BADDING 35N-2HZ
Field WATTENBERG
County WELD
State CO

Company ANADARKO PETROLEUM CO.

Well BADDING 35N-2HZ

Field WATTENBERG

County WELD **State** CO

Location: API # : 05-123-38285

2411' FSL & 1381' FWL
40.093928 LAT: -104.748799 LONG

SEC 35 TWP 2N RGE 66W

Other Services
JB/GR
Caliper

Permanent Datum	GROUND LEVEL Elevation	5103'
Log Measured From	KELLY BUSHING = 13'	
Drilling Measured From	KELLY BUSHING	

Elevation
K.B. 5116'
D.F. 5117'
G.L. 5103'

Date	29 JAN 2014		
Run Number	ONE		
Depth Driller	15188'		
Depth Logger	7290'		
Bottom Logged Interval	7288'		
Top Log Interval	SURFACE		
Open Hole Size	8.75"		
Type Fluid	WATER		
Density / Viscosity	8.34#		
Max. Recorded Temp.	See Caliper Log		
Estimated Cement Top	384'		
Time Well Ready	11:00		
Time Logger on Bottom	12:00		
Equipment Number	24		
Location	FT. MORGAN		
Recorded By	M. MAVROS		
Witnessed By	Edgar Chavez		

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	1185'
Prot. String				
Production String	7"	26#	SURFACE	7765'
Liner	4-1/2"	11.6#	6665'	15177'

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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

Thank you for using Pioneer Energy Services

Liner Top at

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

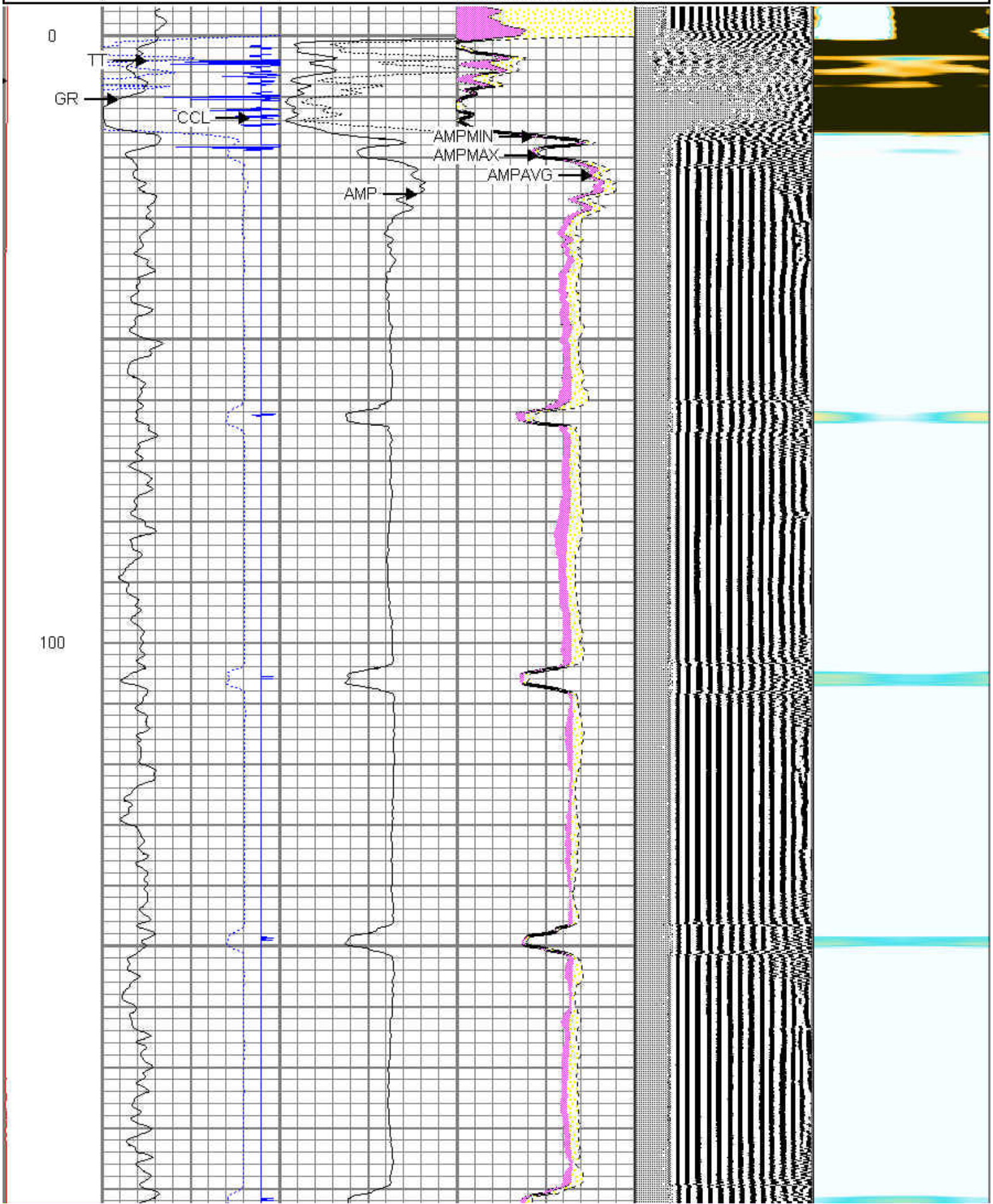
		PTS275	2.83	2.75	
WVF3FT	11.63	RBT-Probe (4.5040904) Prototype Probe Radii Bond Tool with Digital Telemetry	8.88	2.75	90.00
WVFCAL	11.63				
WVFS1	11.63				
WVFS2	11.63				
WVFS3	11.63				
WVFS4	11.63				
WVFS5	11.63				
WVFS6	11.63				
WVFS7	11.63				
WVFS8	11.63				
WVF5FT	10.63				
		PTS275	2.83	2.75	
CCL	3.63				
		GR-Probe275 (030606)	4.54	2.75	57.00
GR	1.56				

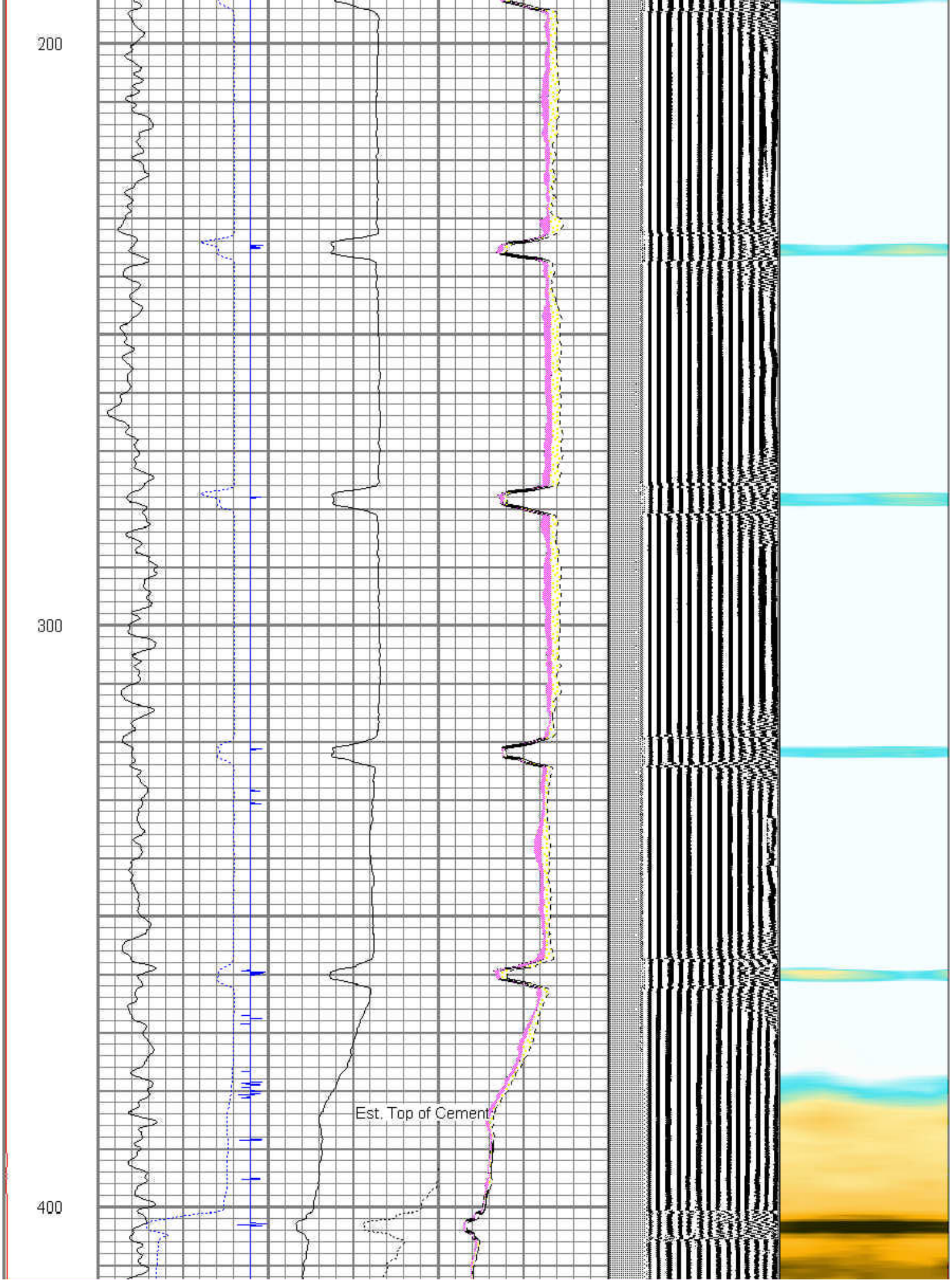
Dataset:	badding35n-2hz.db: field/well/run2/pass2
Total Length:	19.08 ft
Total Weight:	147.00 lb
O.D.	2.75 in

Database File:	badding35n-2hz.db
Dataset Pathname:	run2/pass2
Presentation Format:	scbl02
Dataset Creation:	Wed Jan 29 11:56:45 2014 by Log SCH 120430

Dataset Creation: Wed Jan 29 11:38:45 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

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

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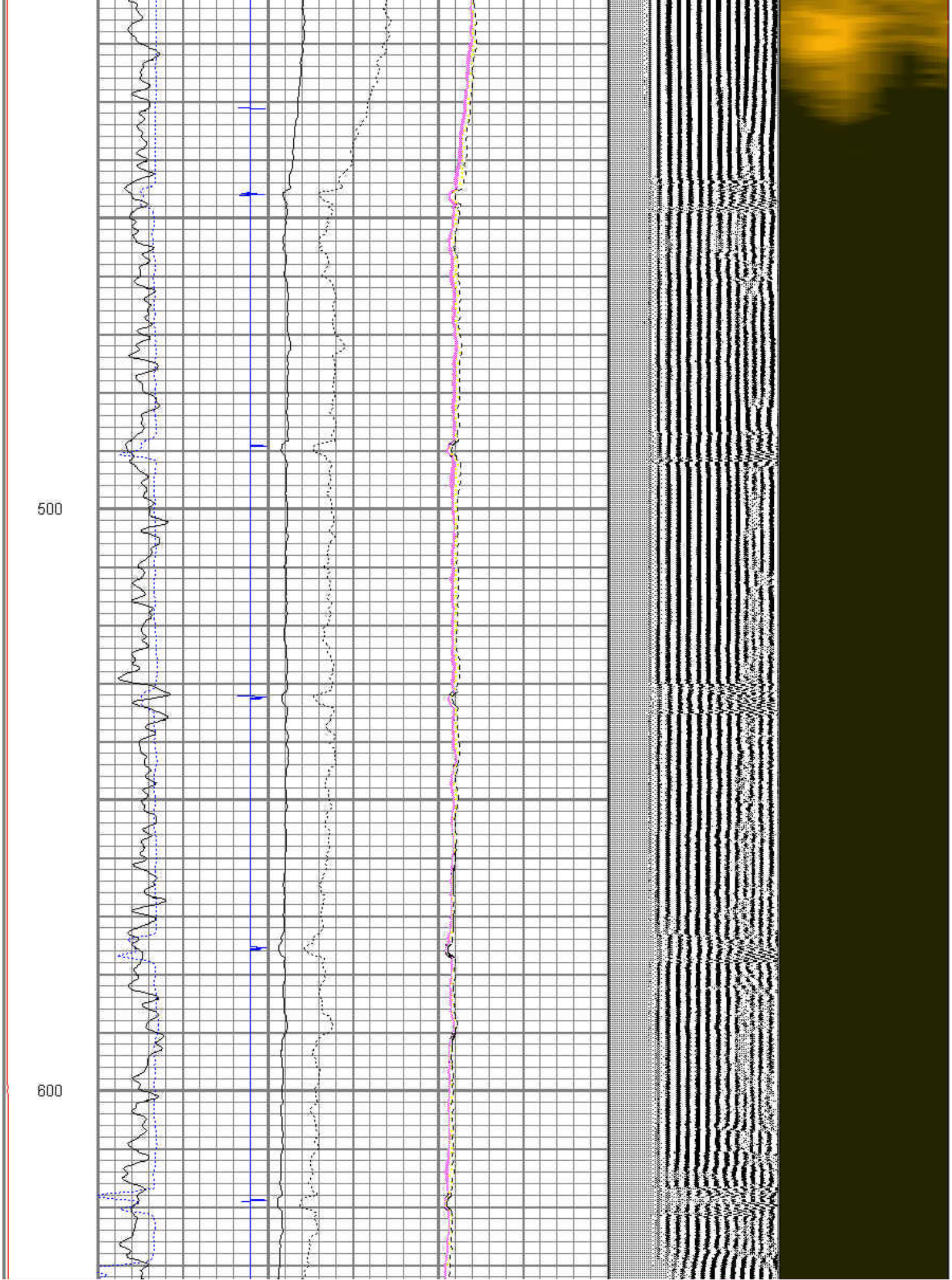
Est. Top of Cement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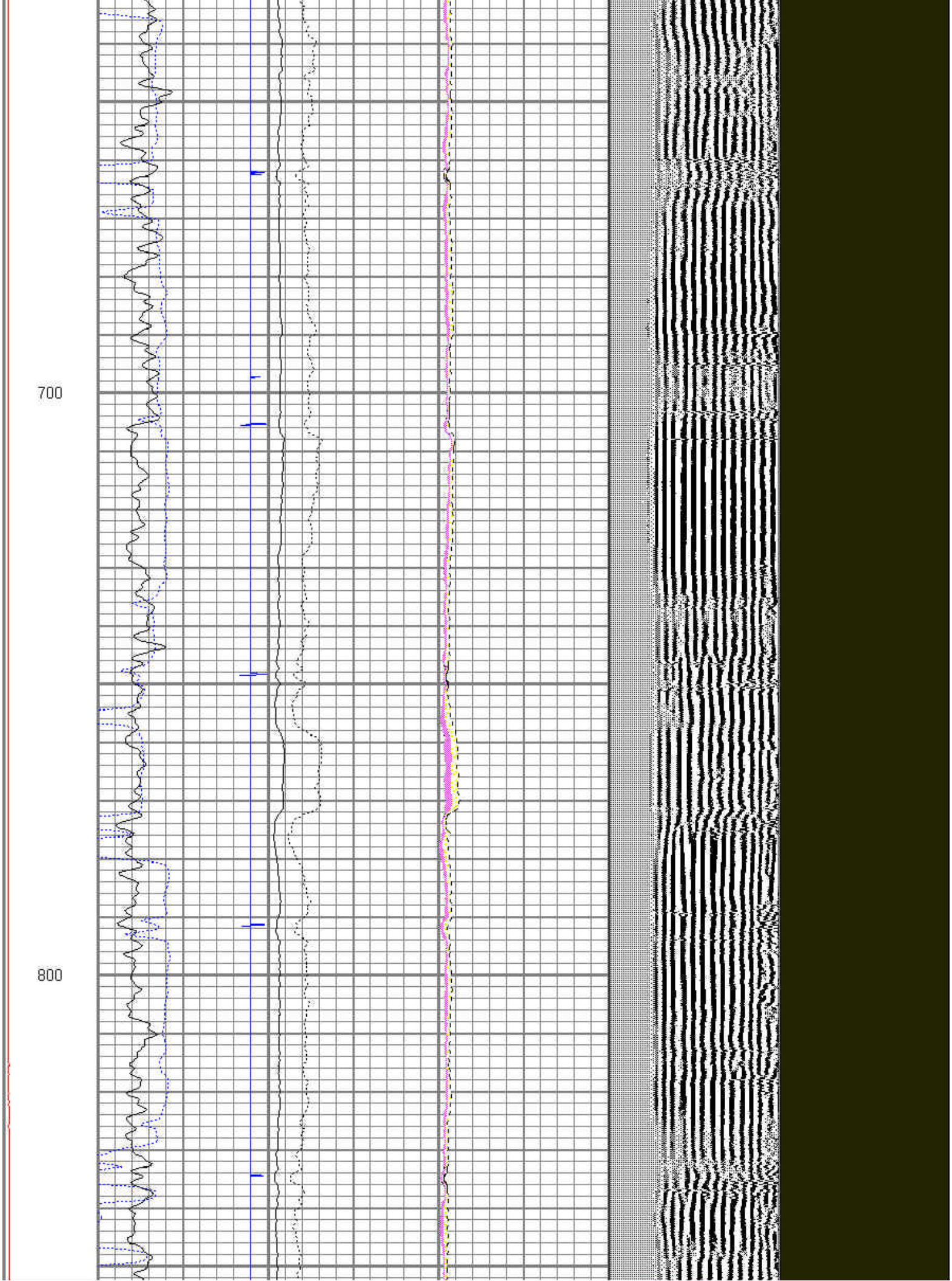
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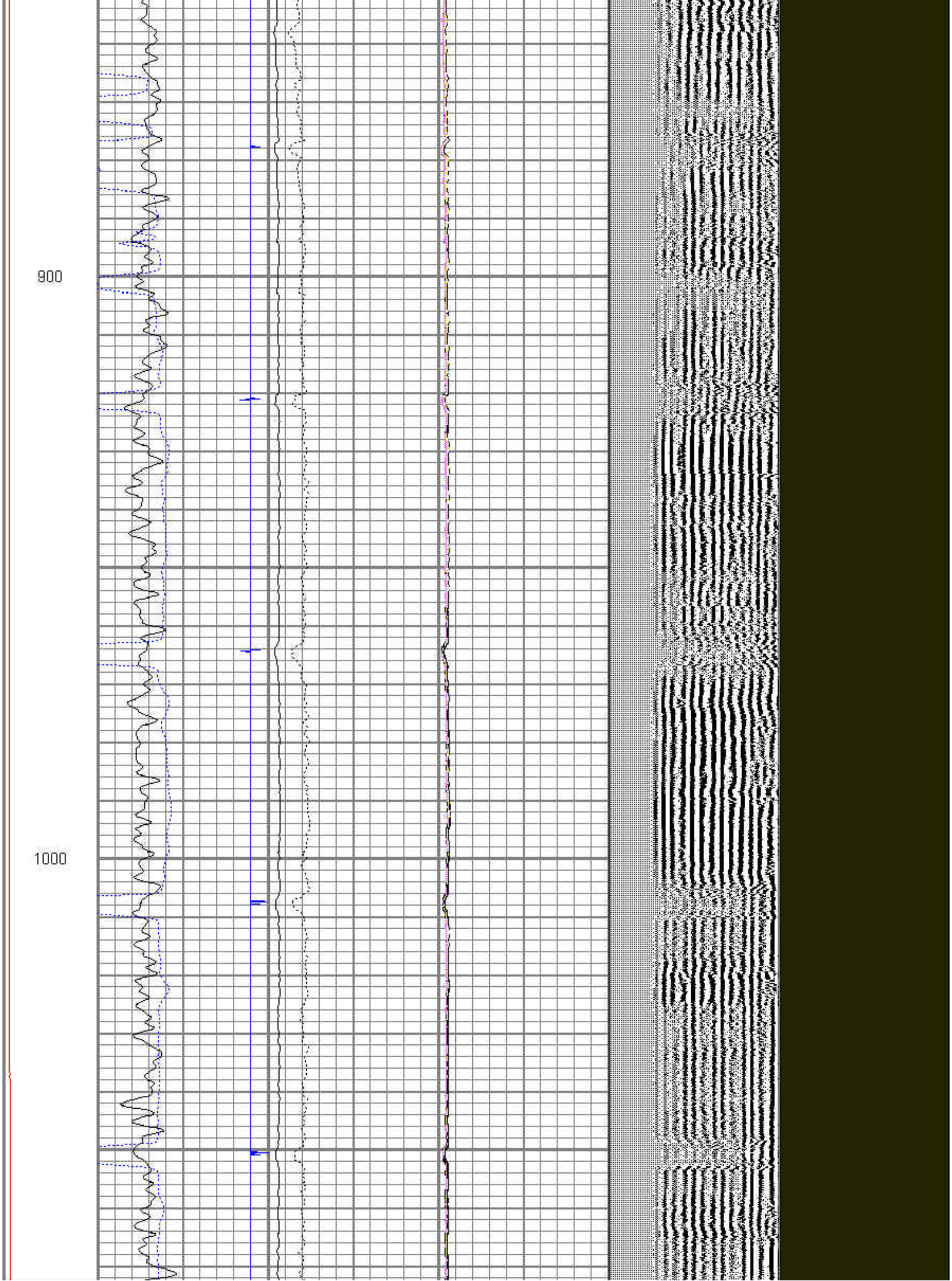
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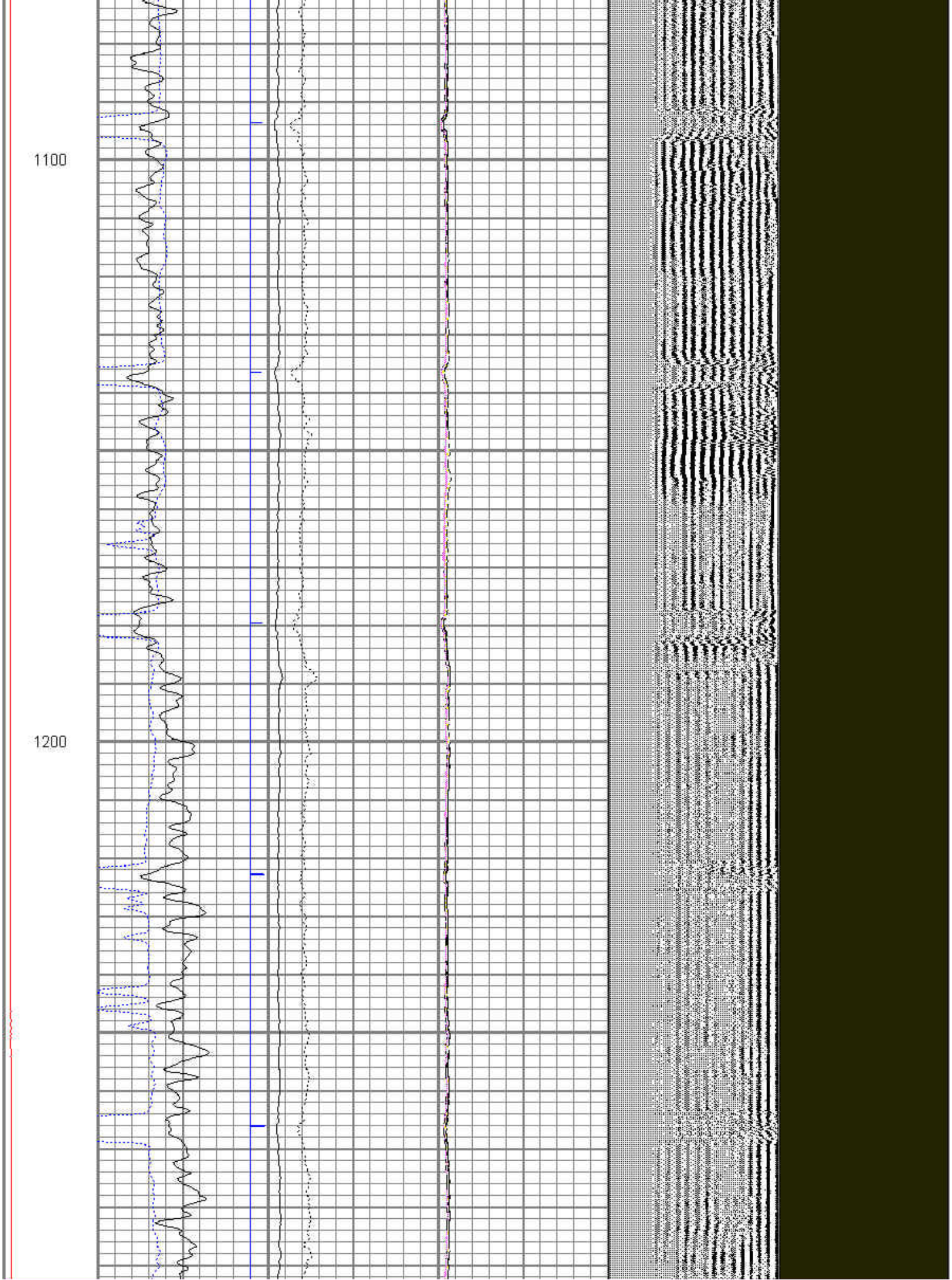
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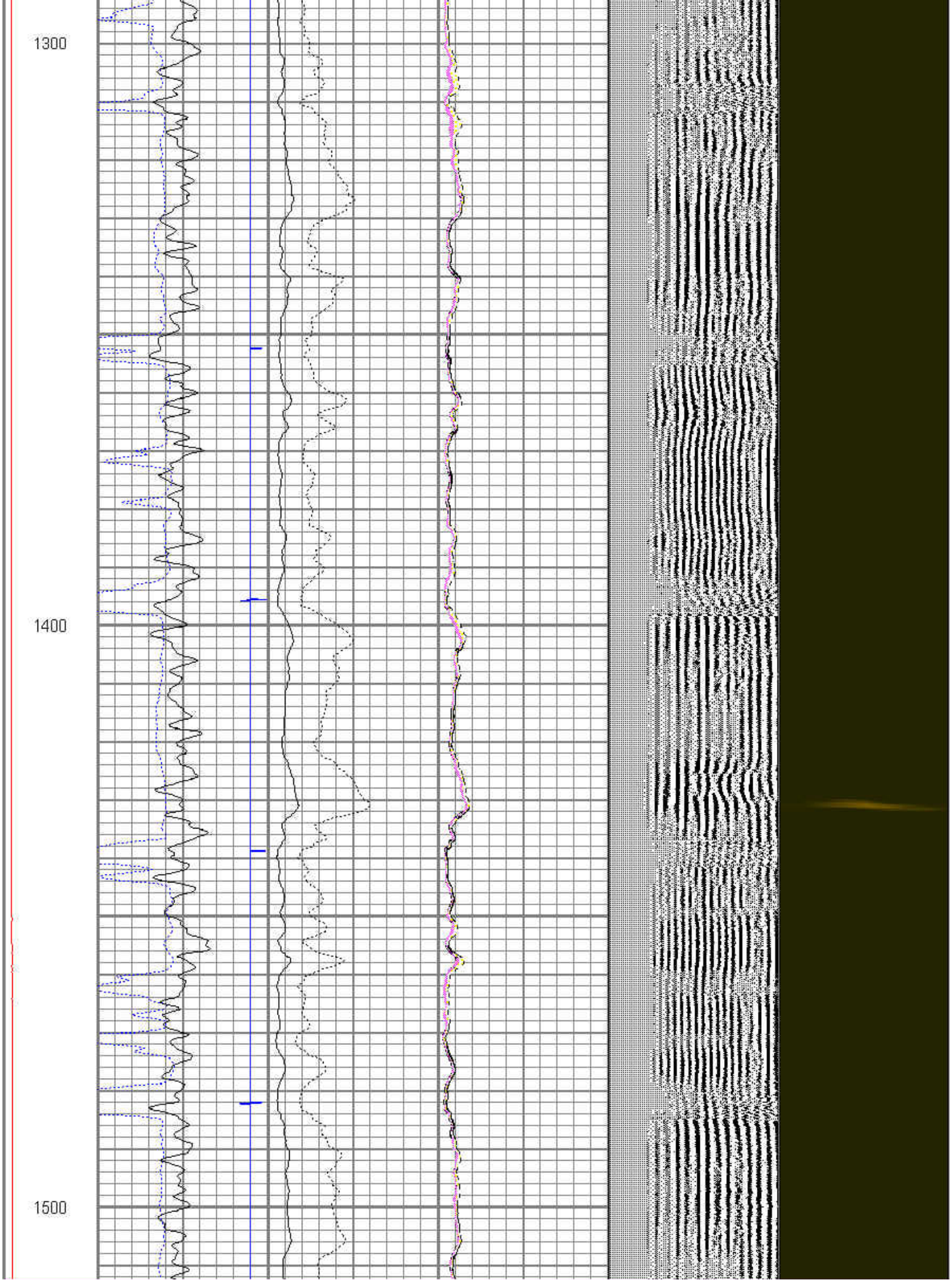
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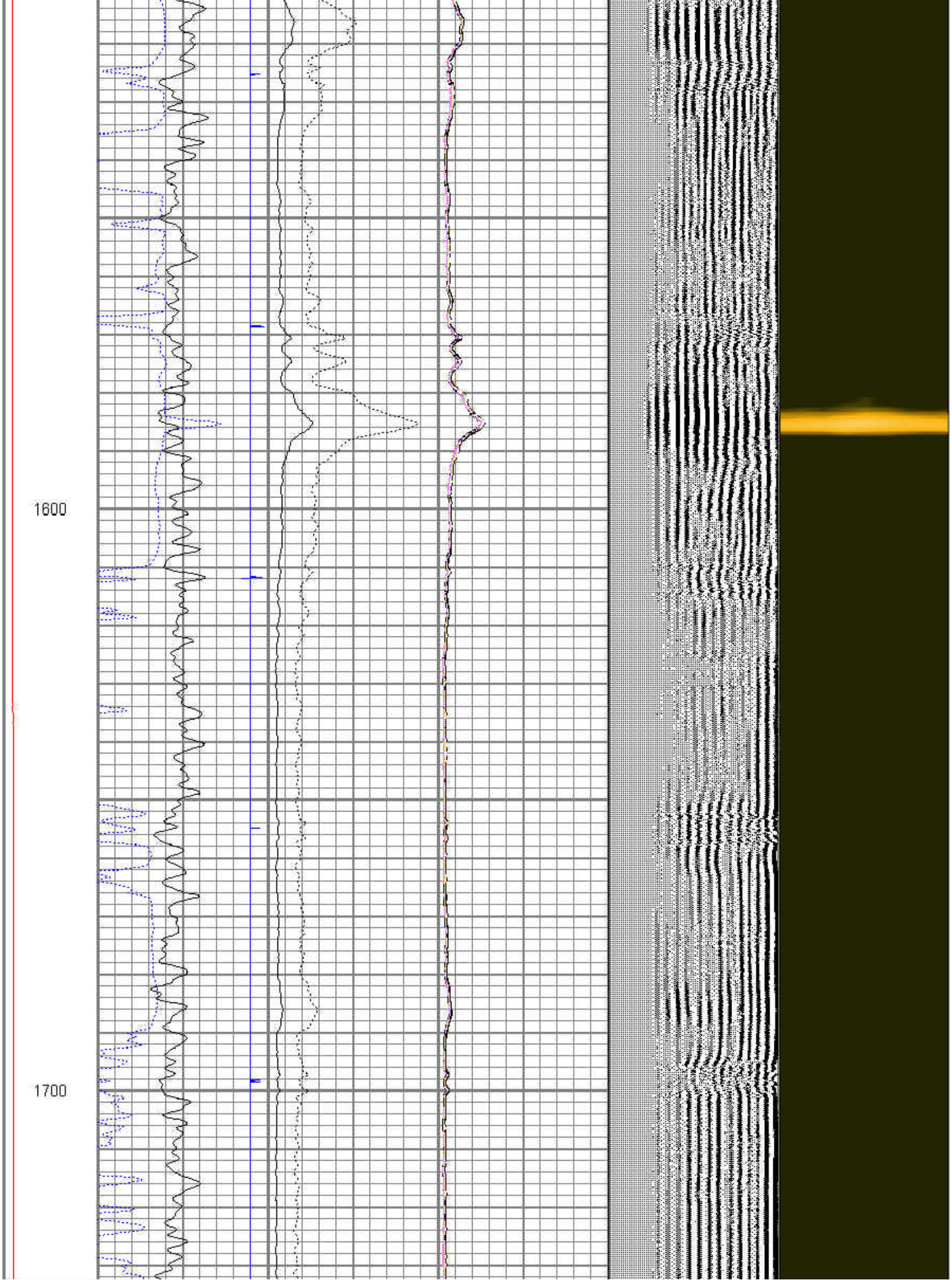
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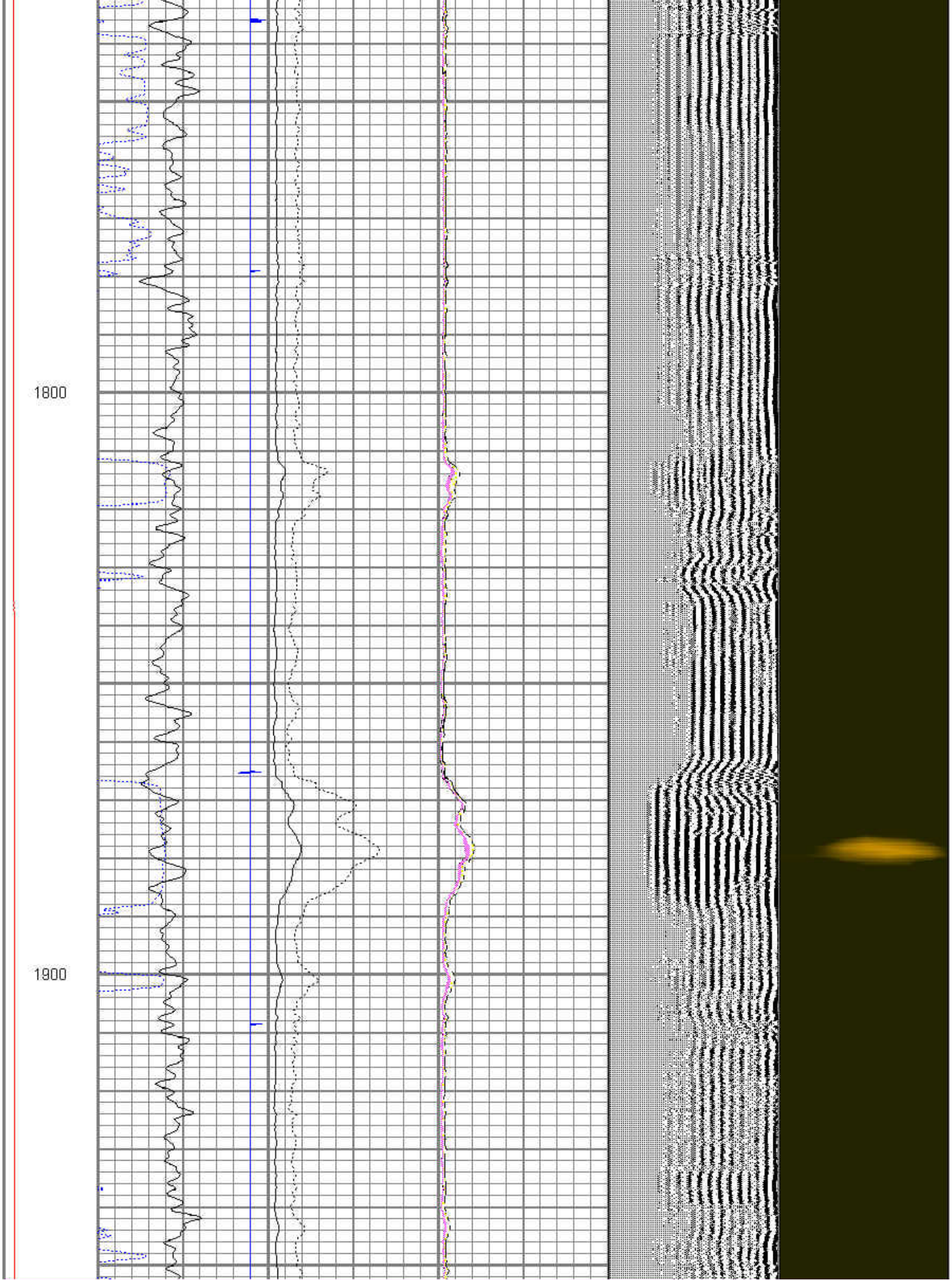
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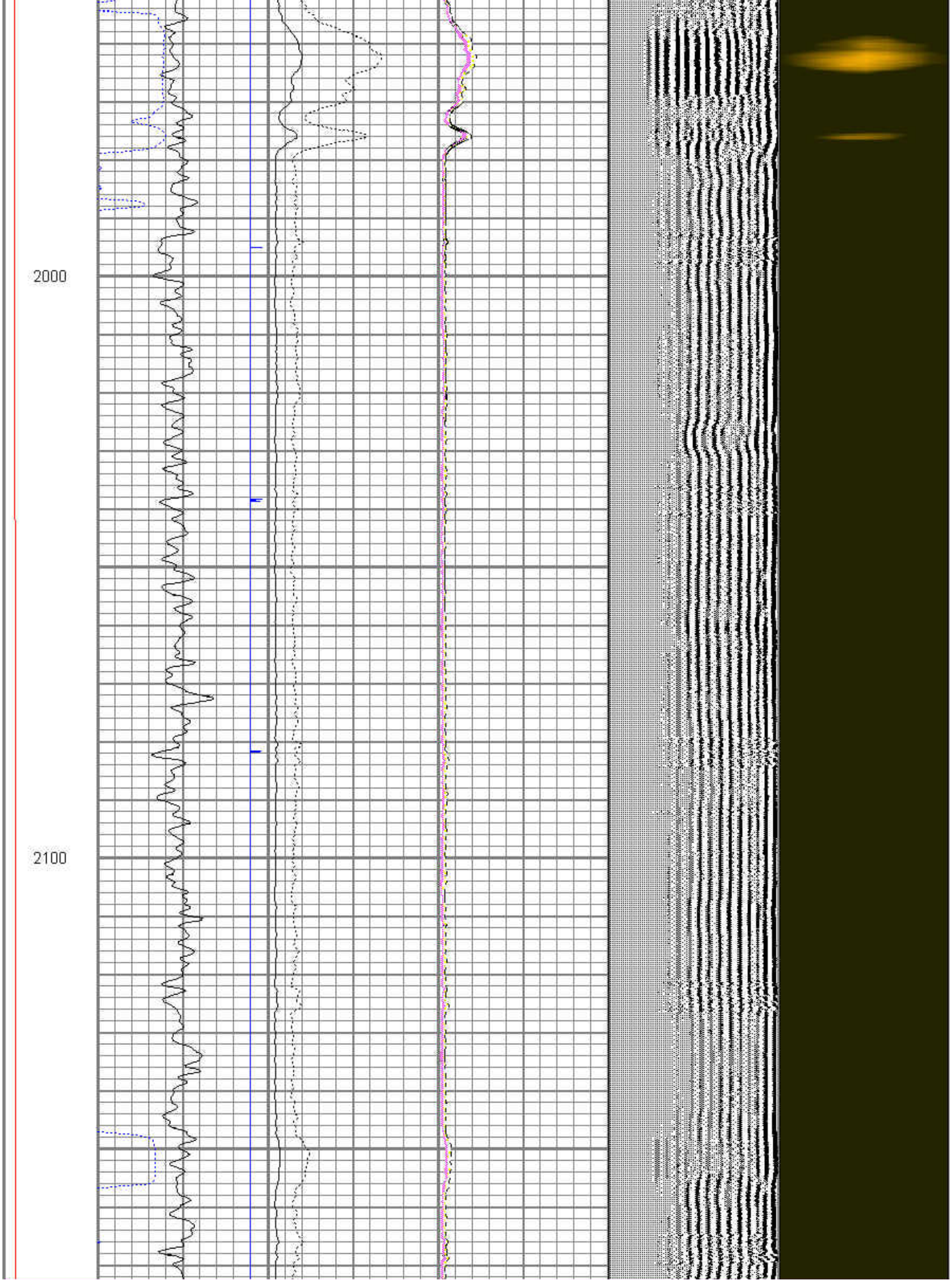
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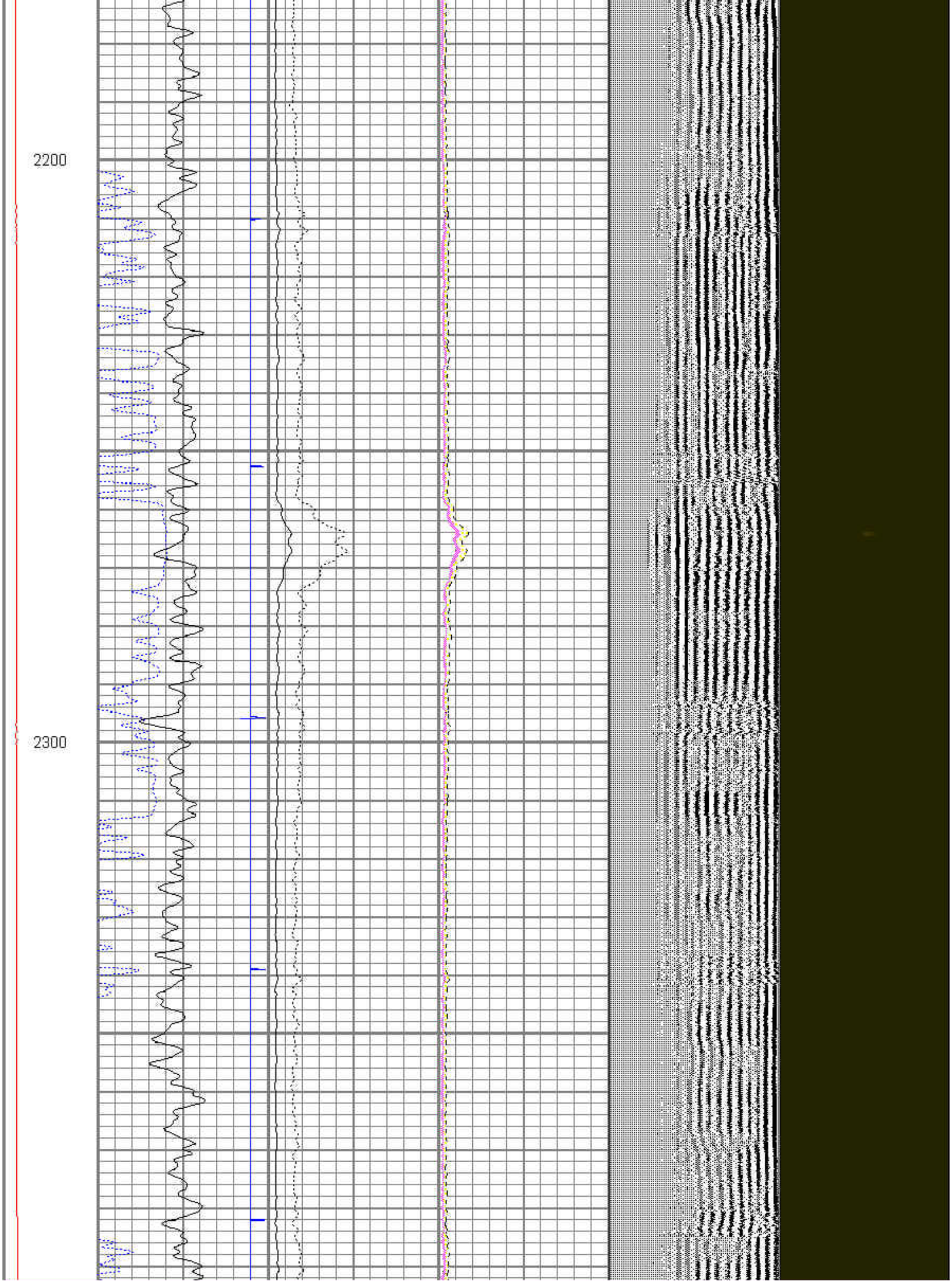
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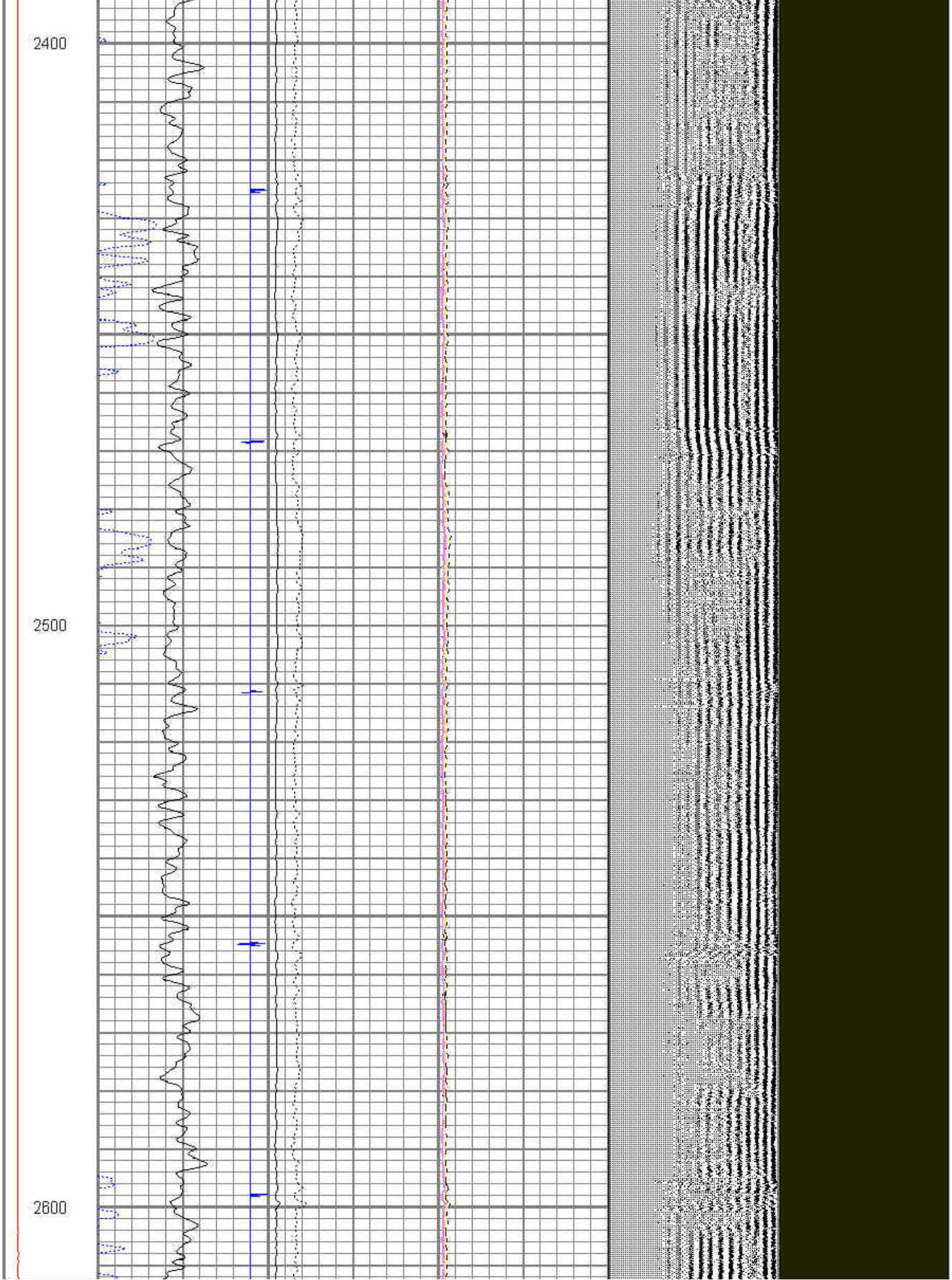
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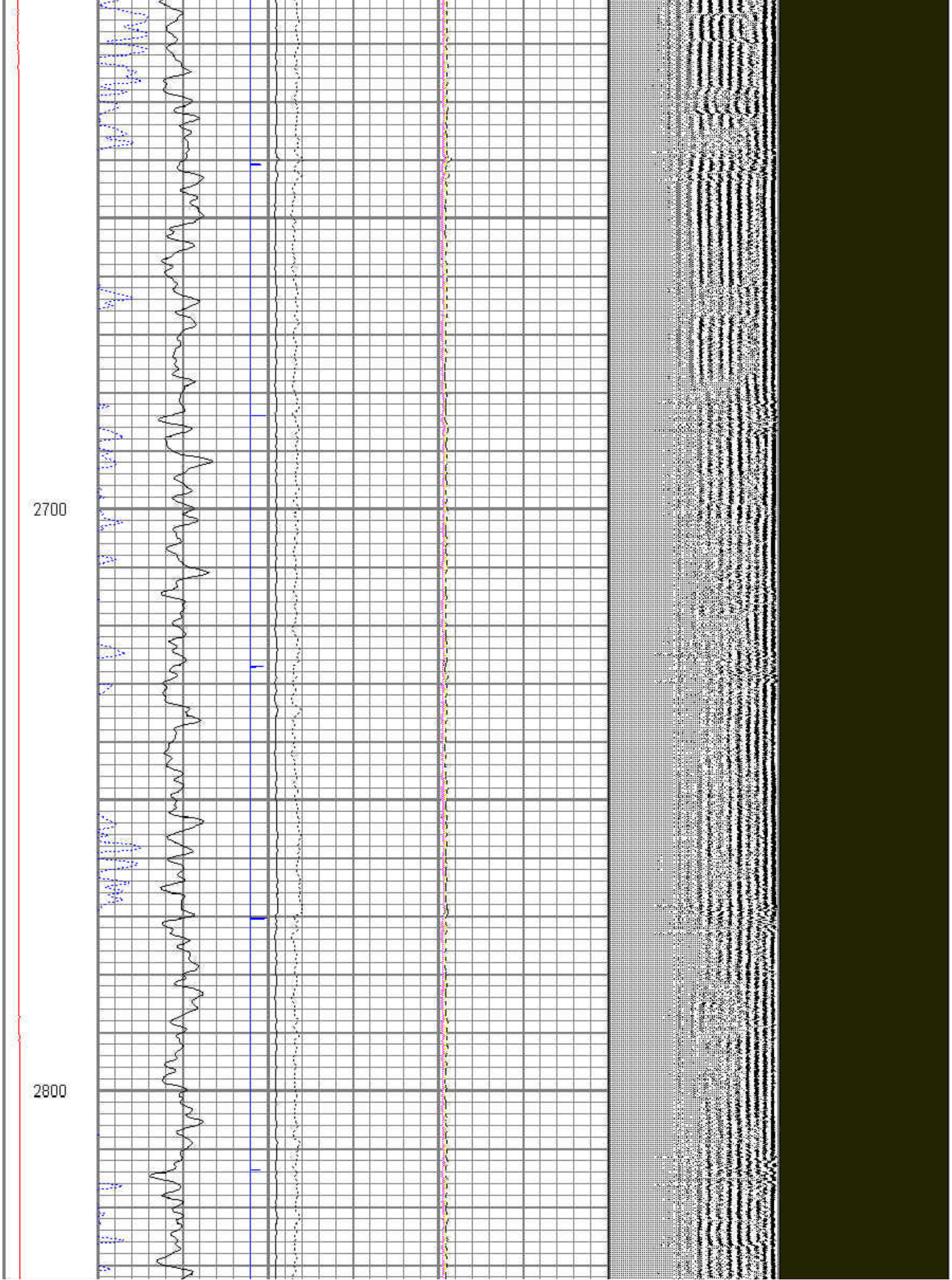
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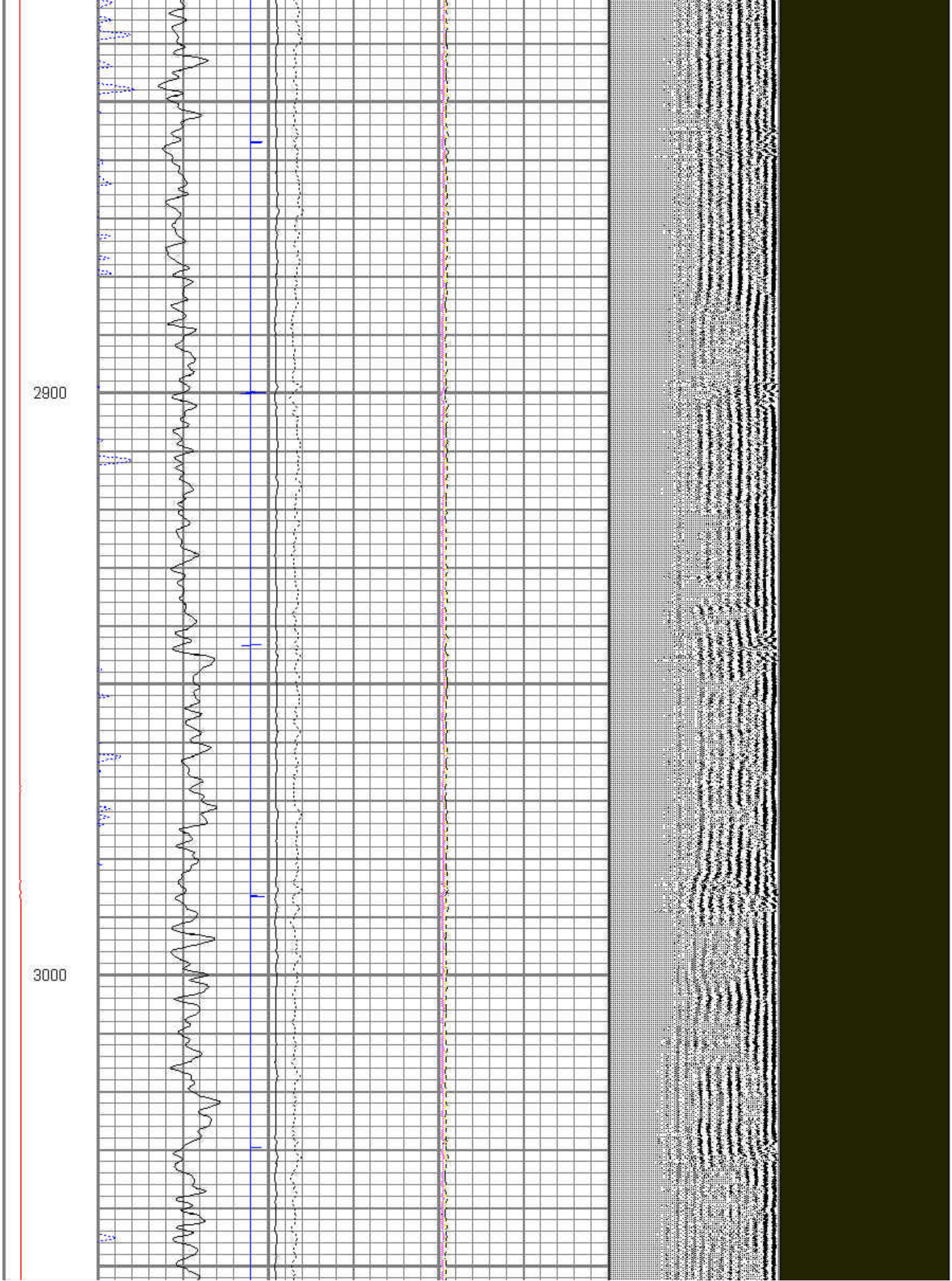
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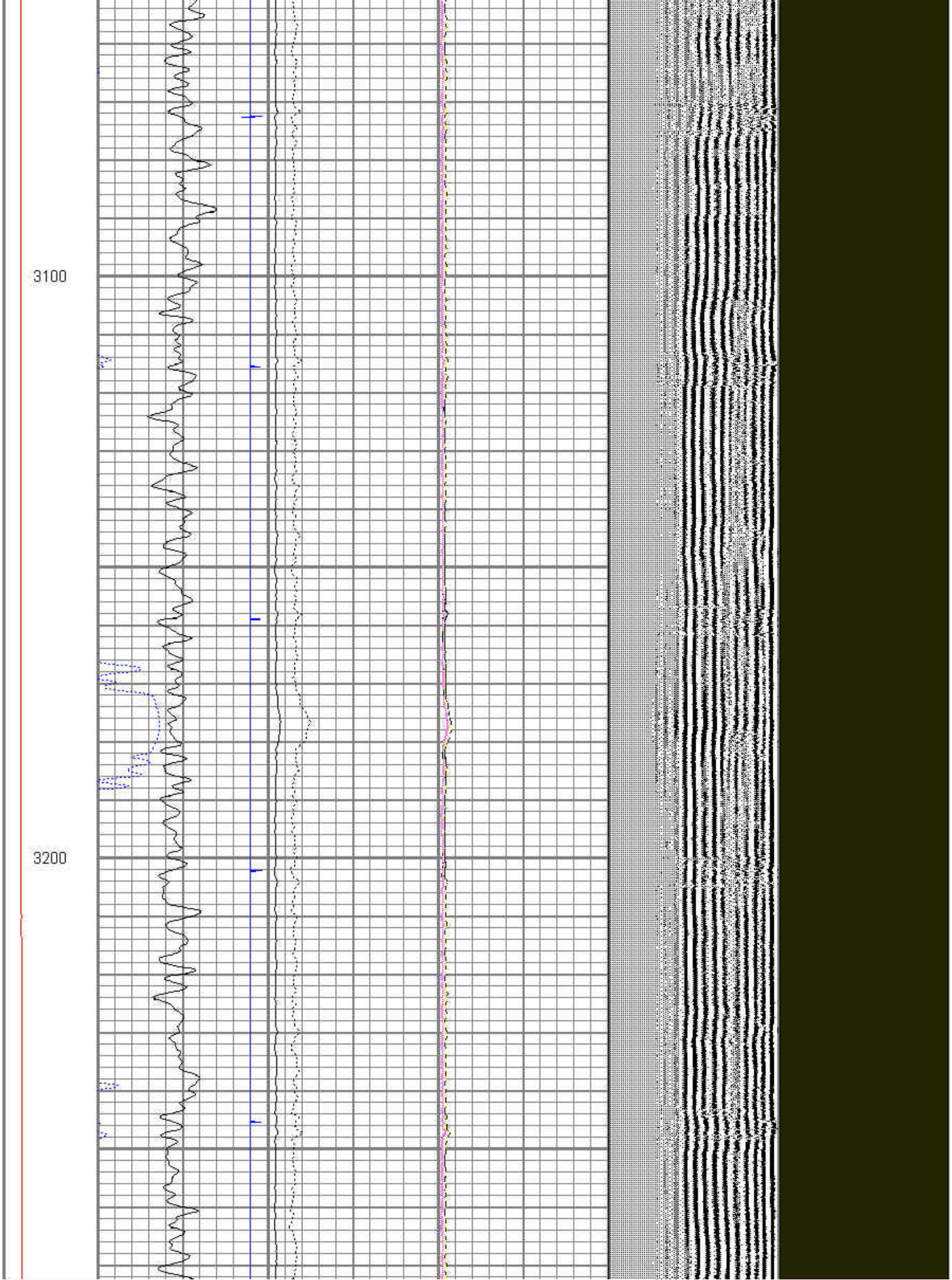
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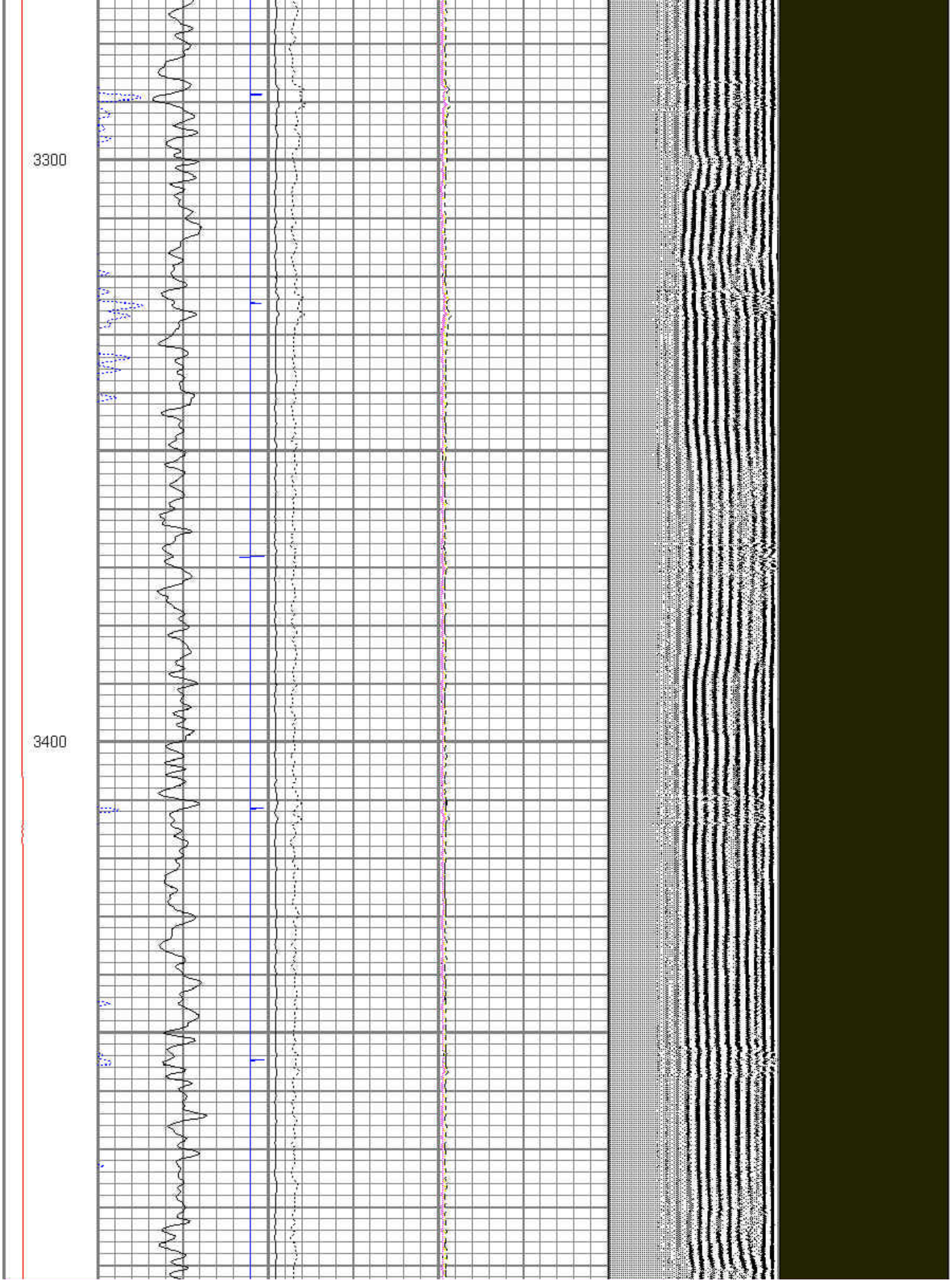
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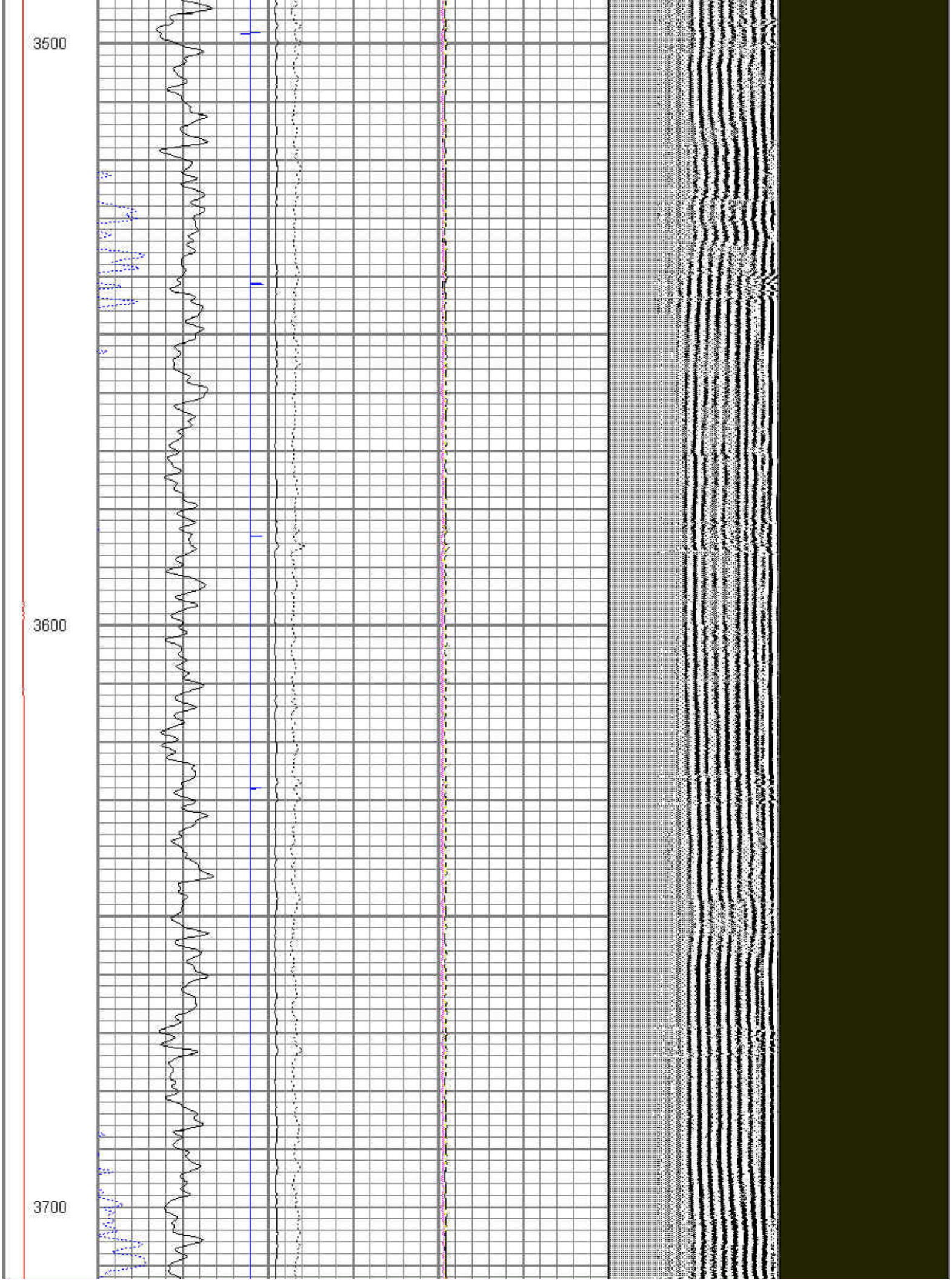
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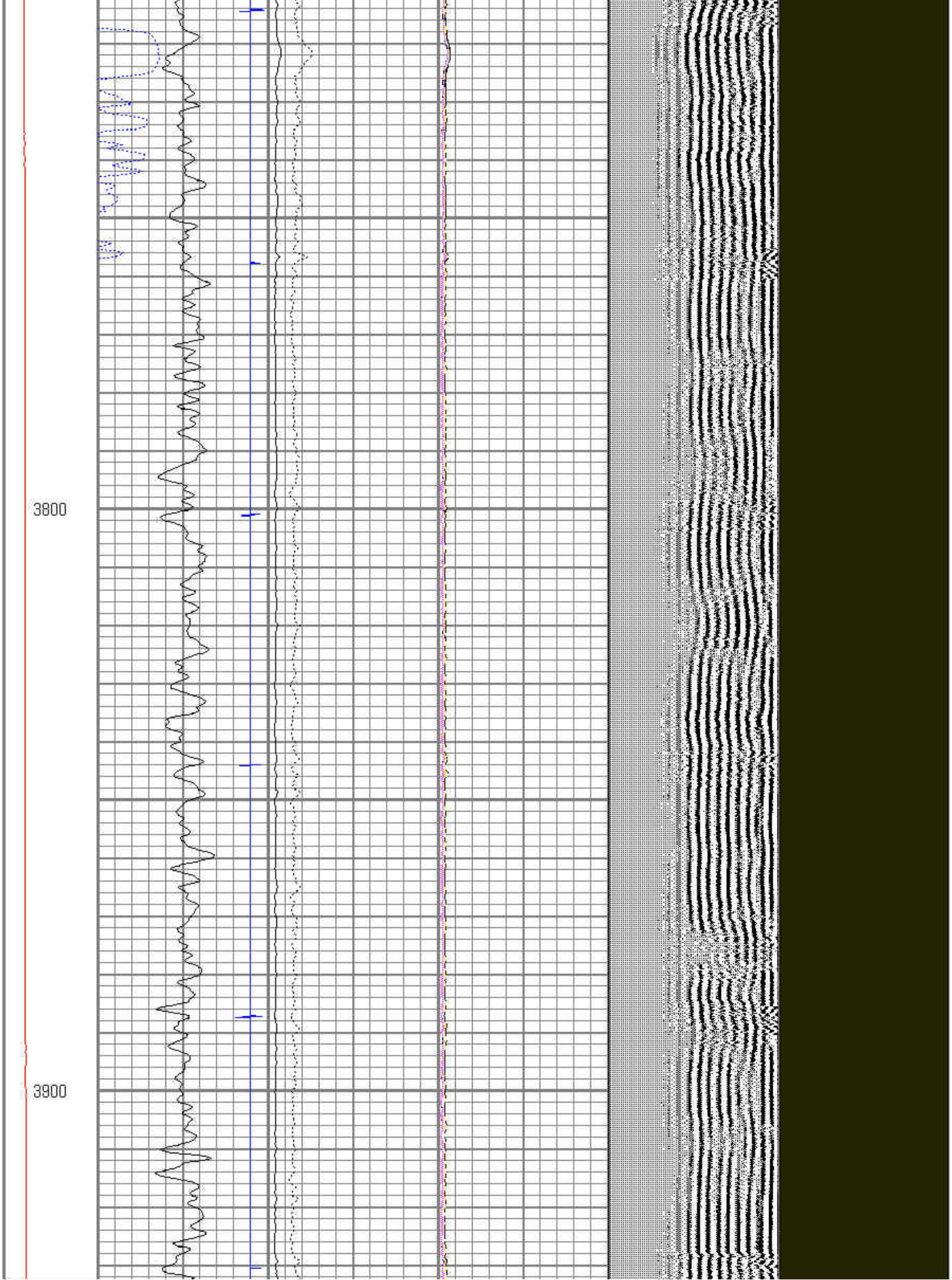
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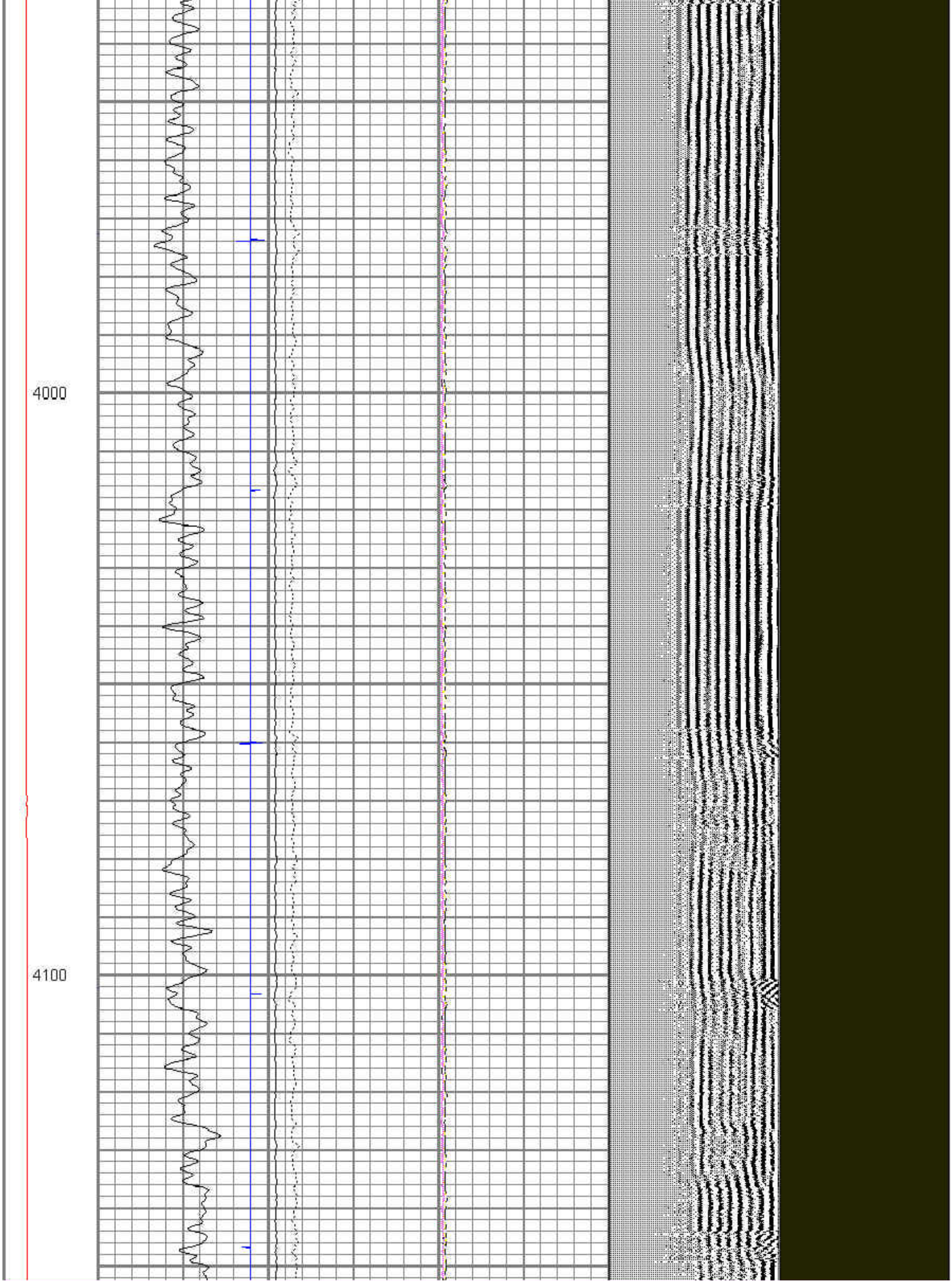
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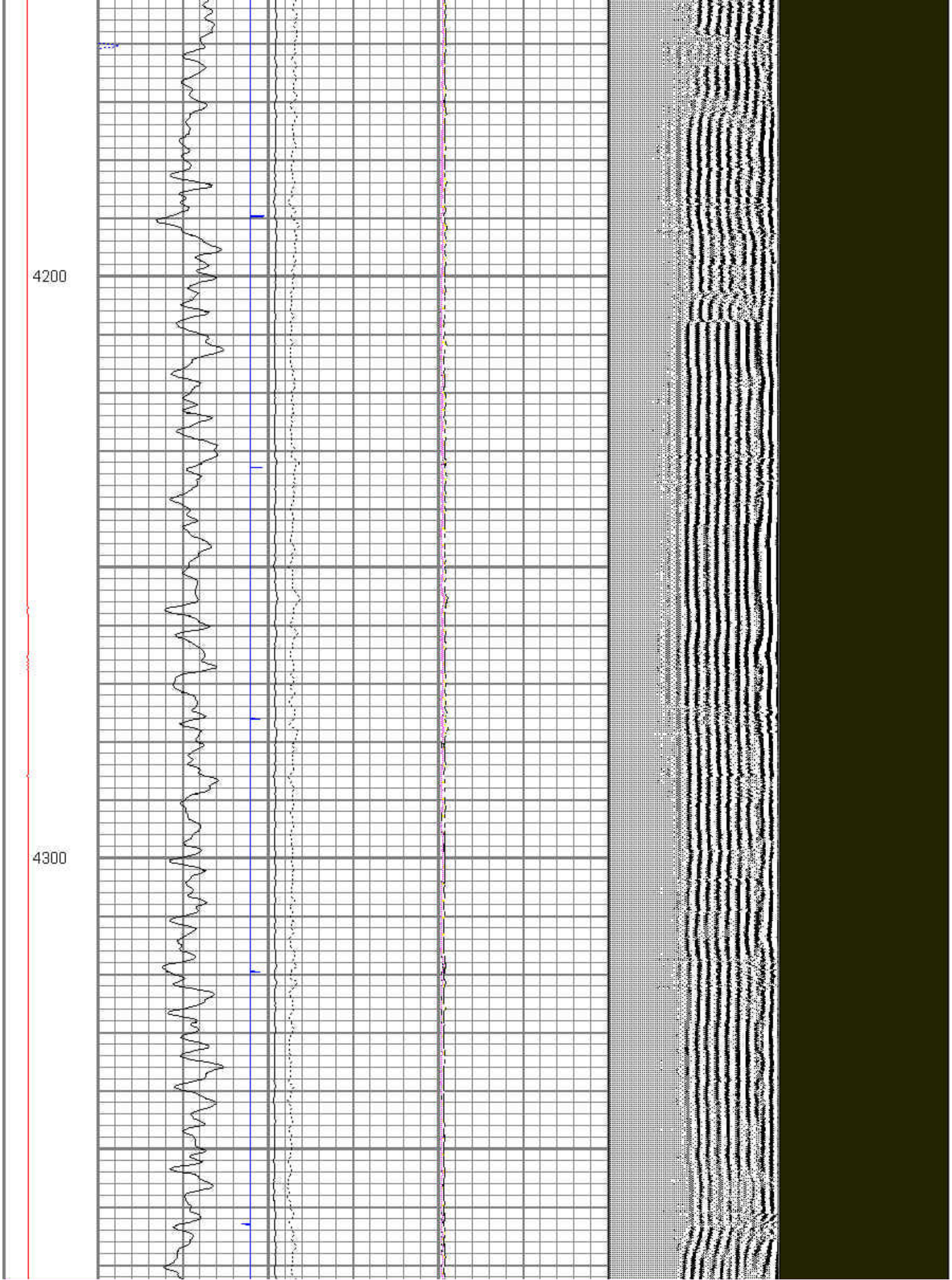
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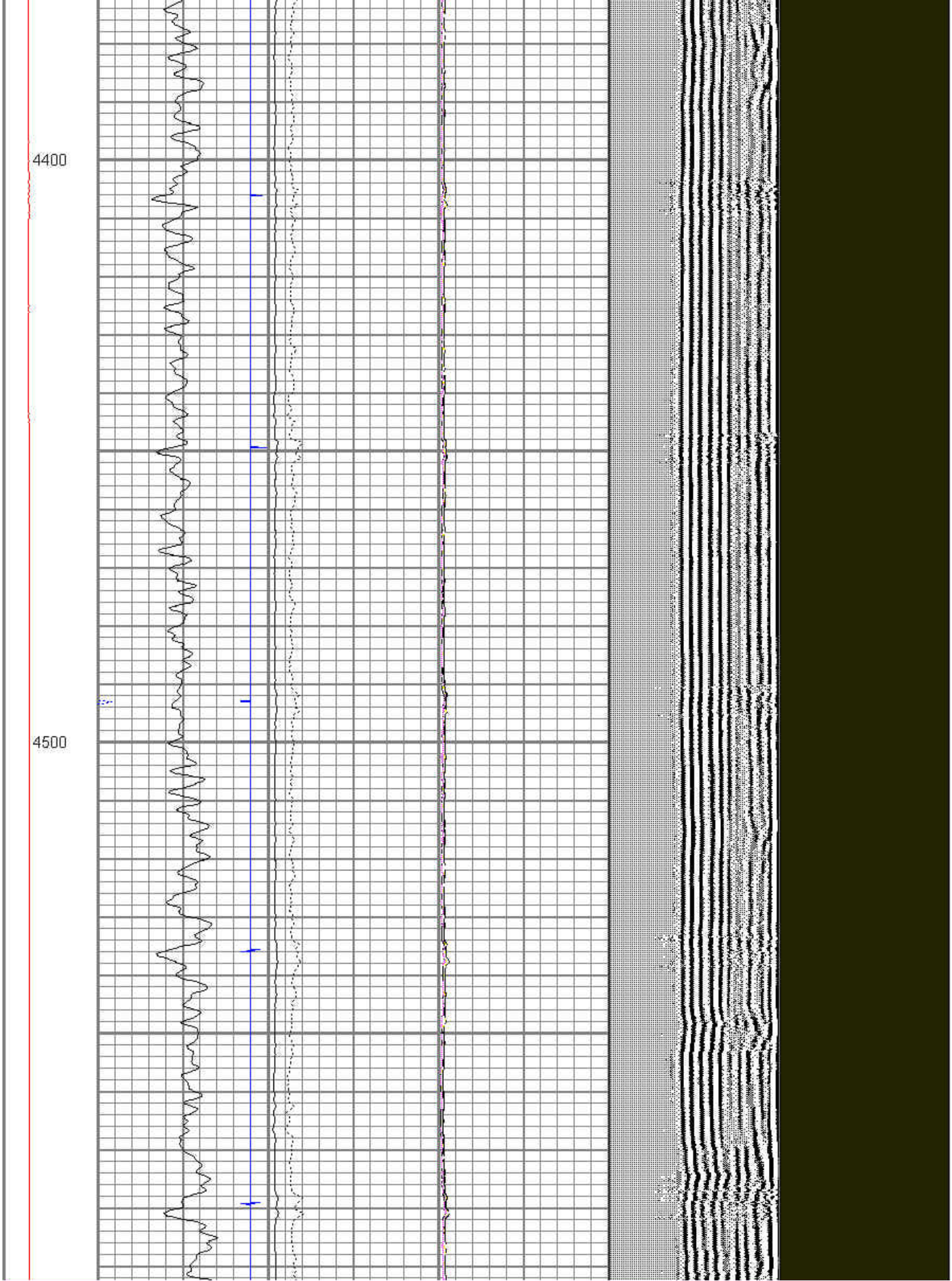
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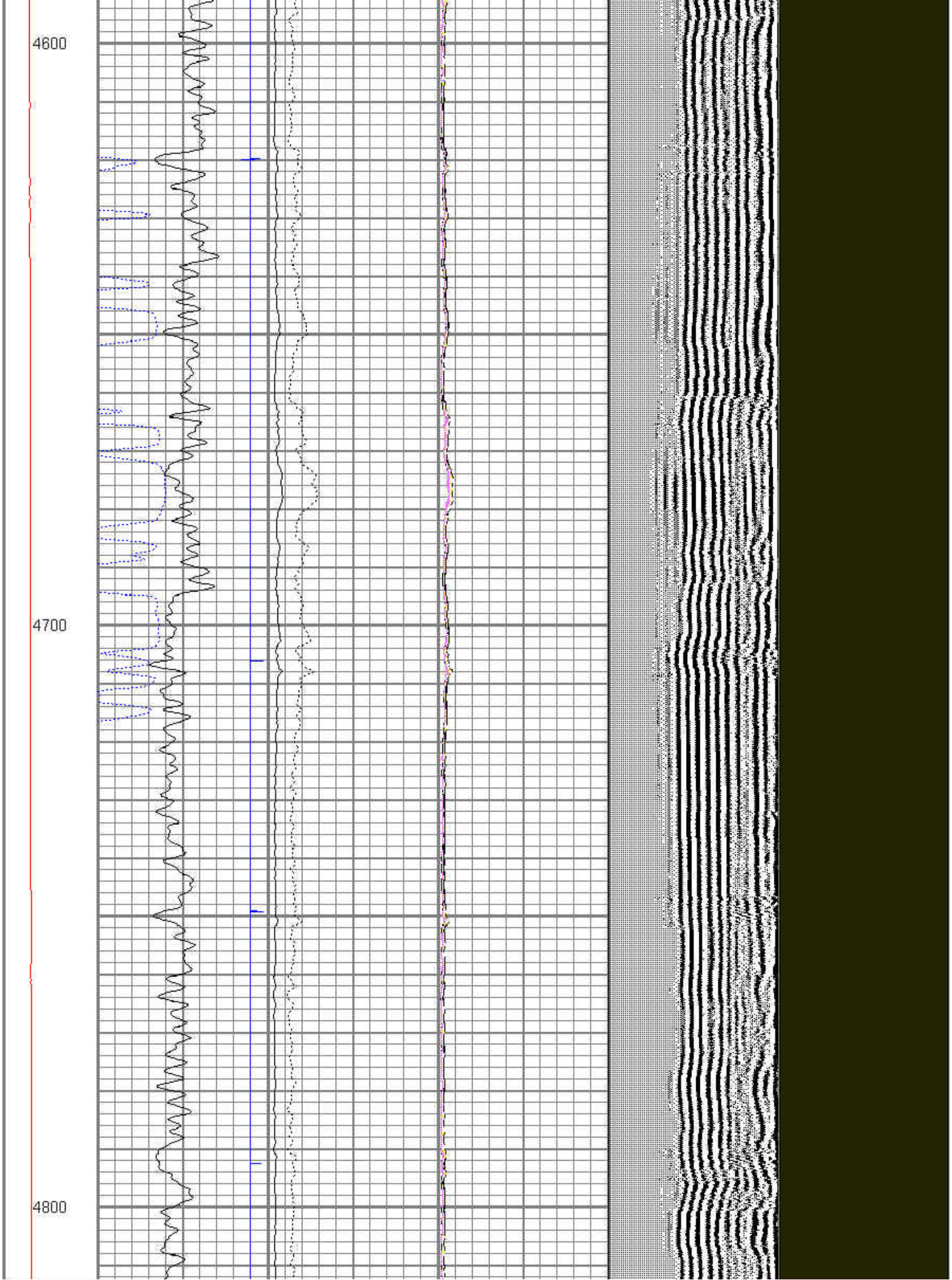
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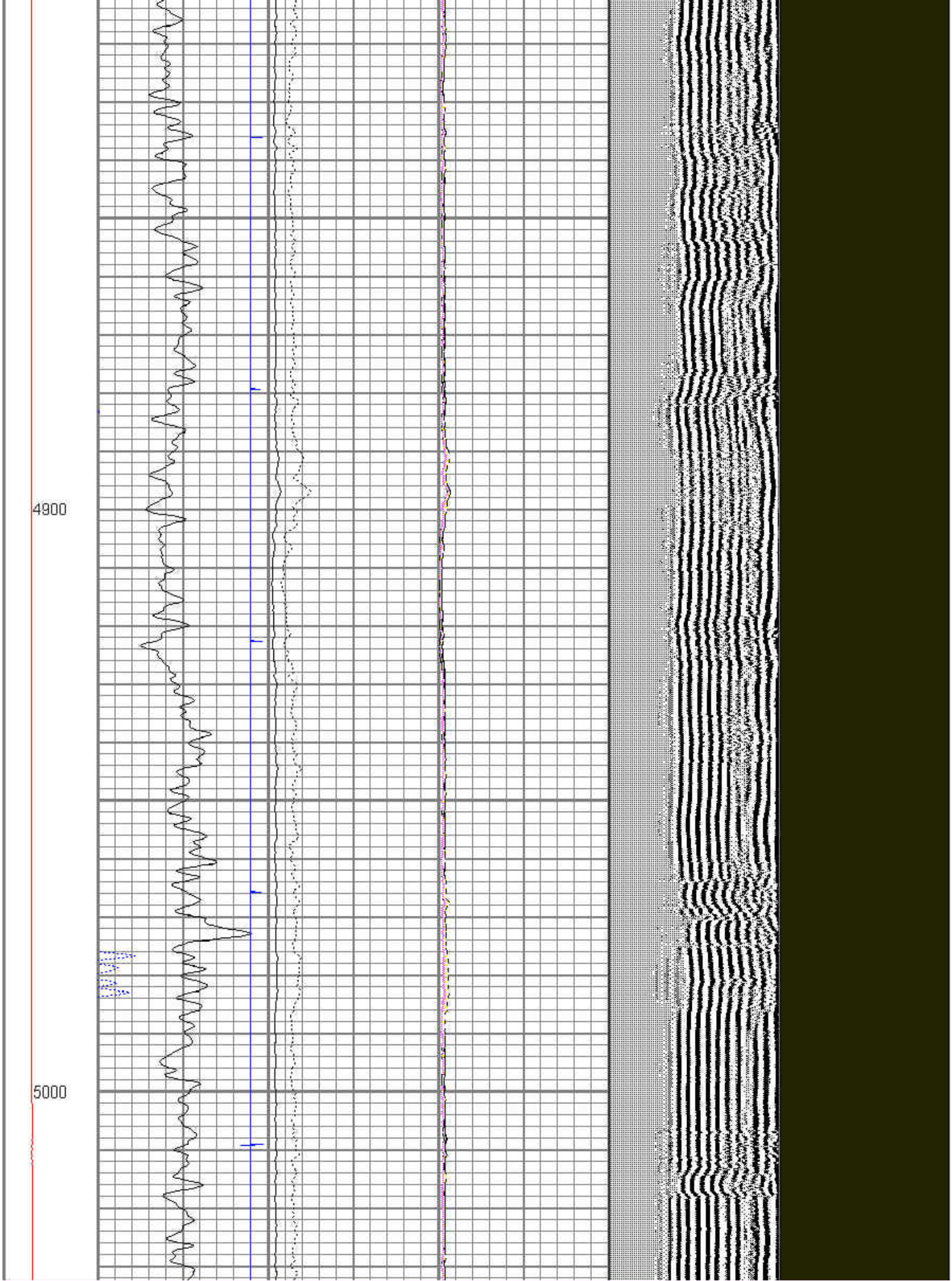
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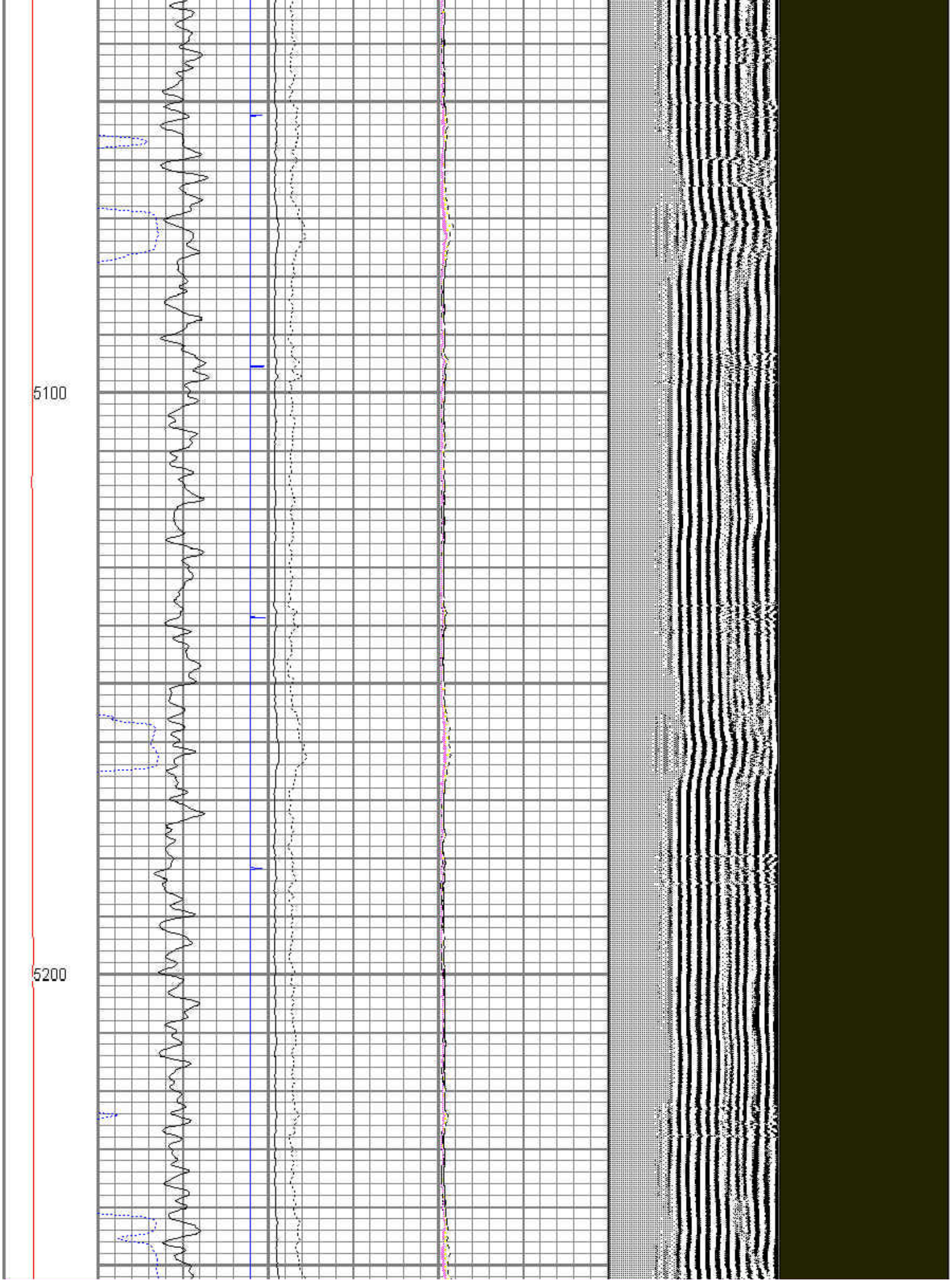
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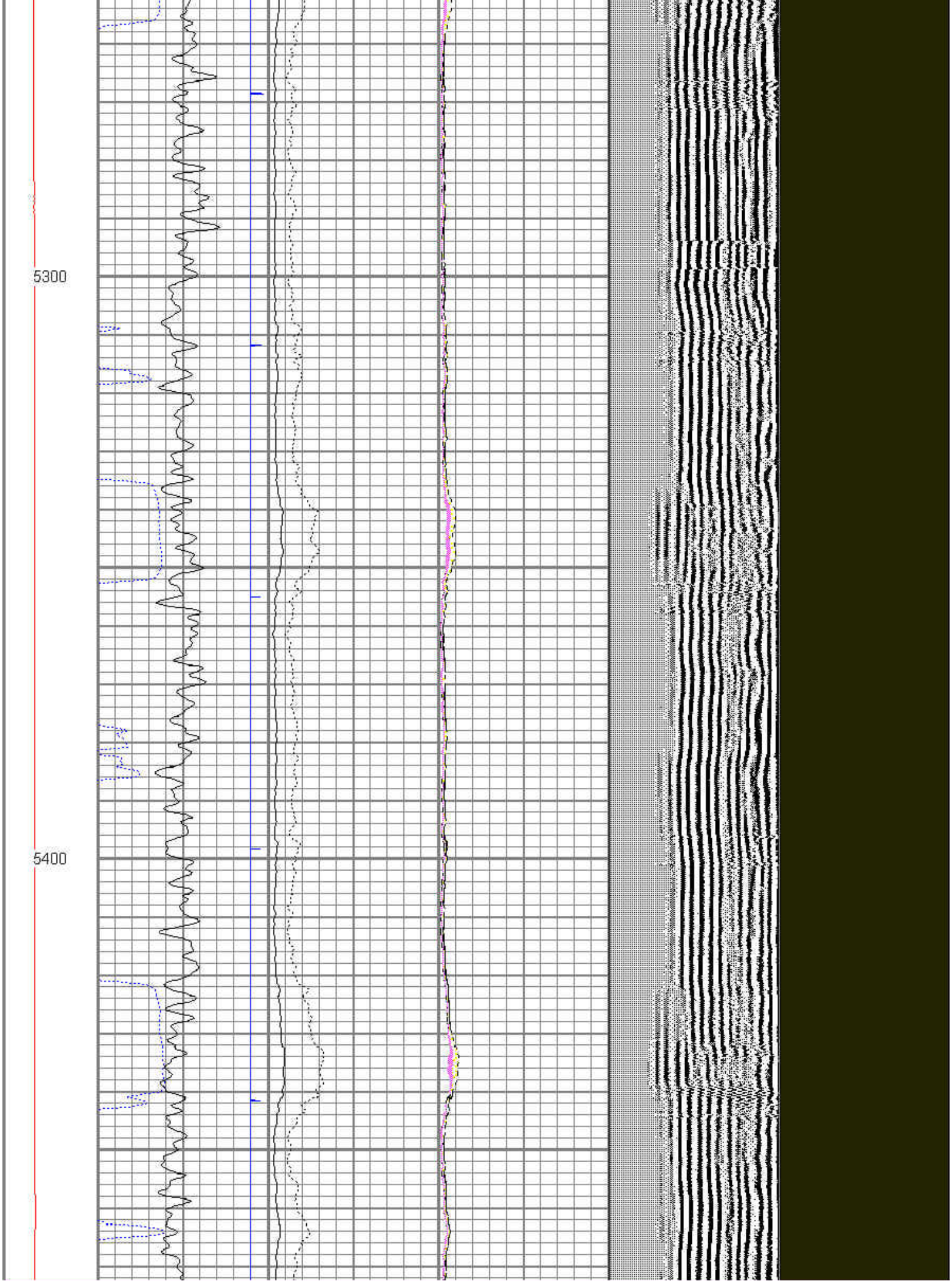
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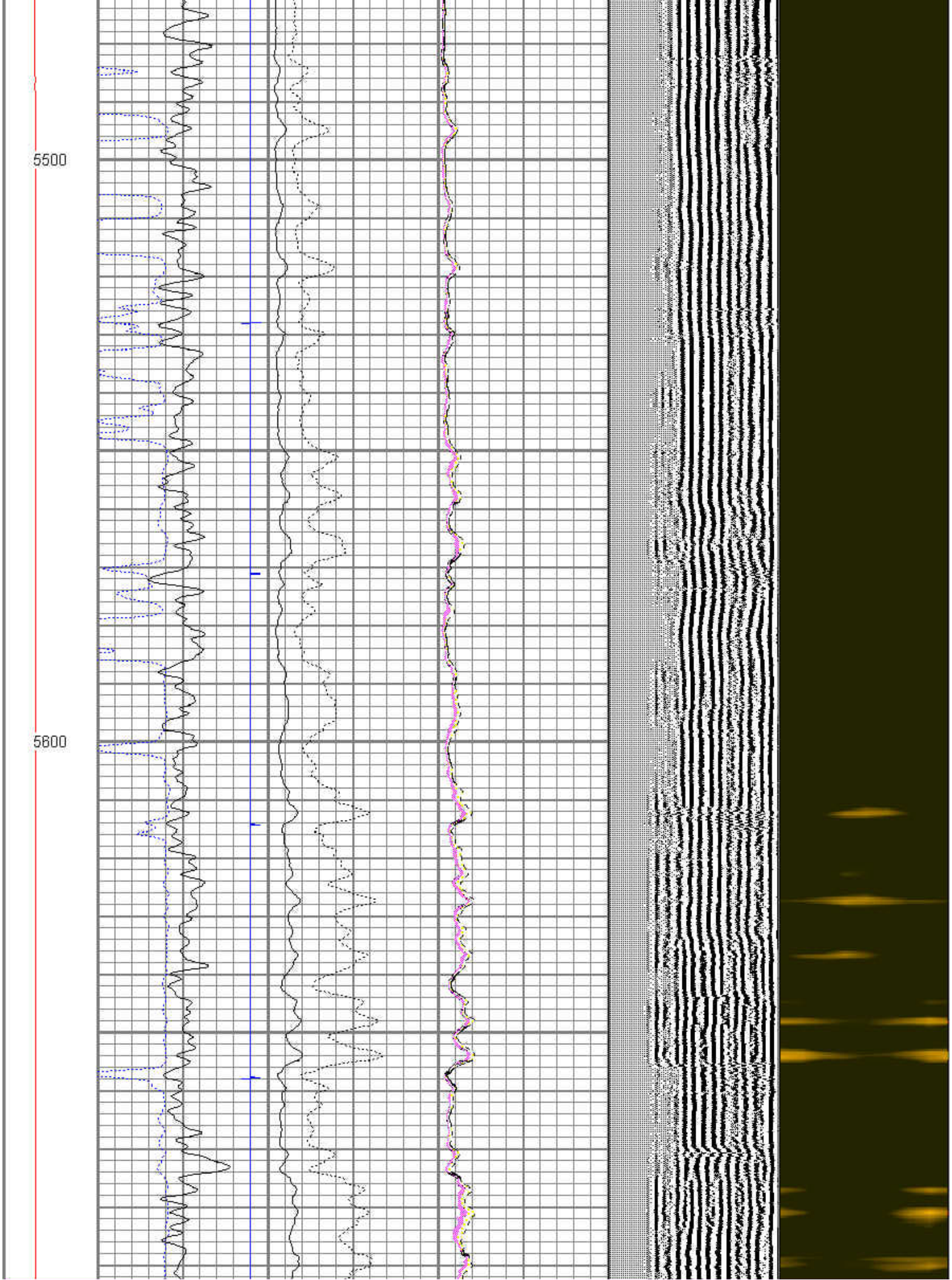
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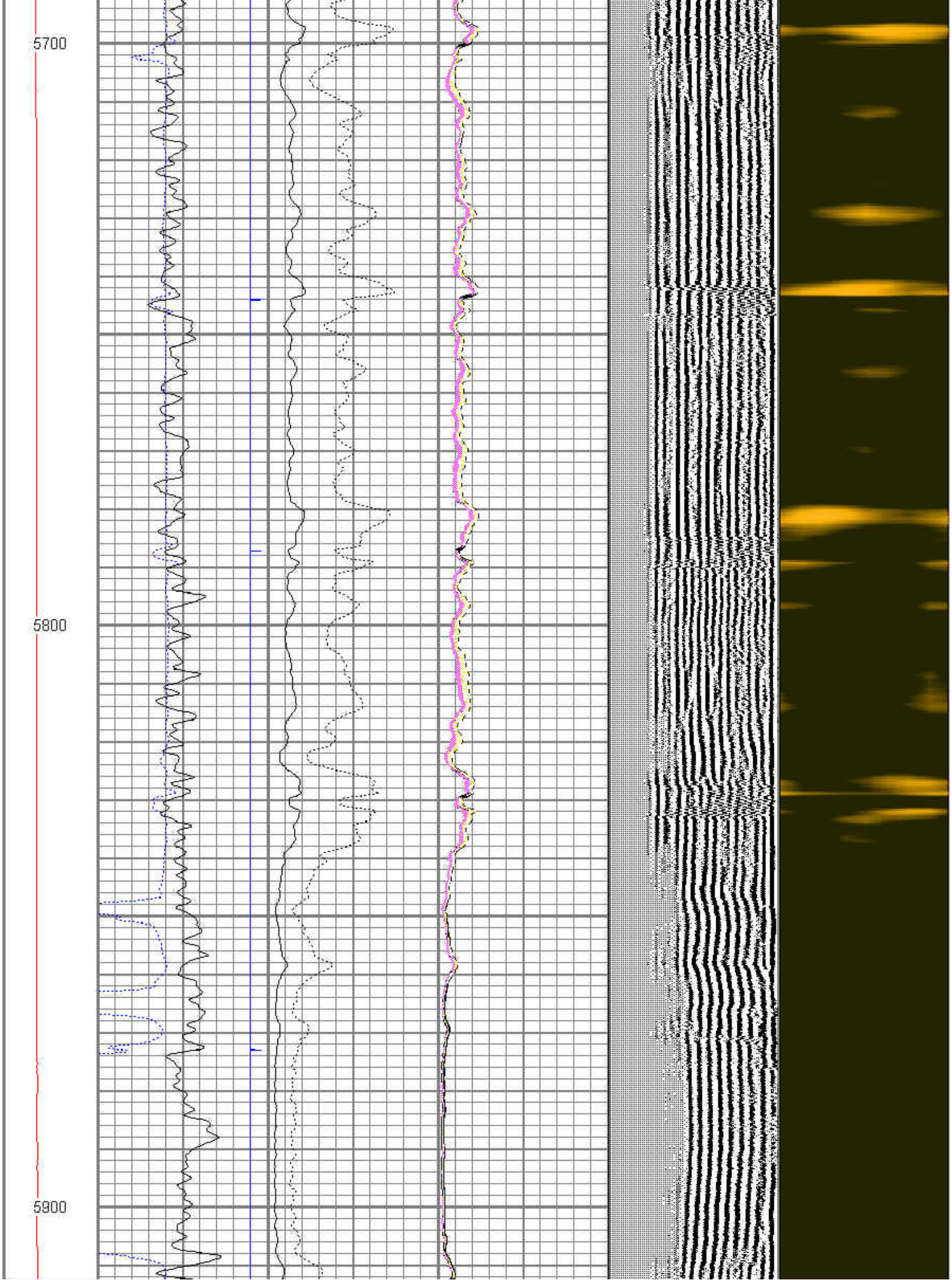
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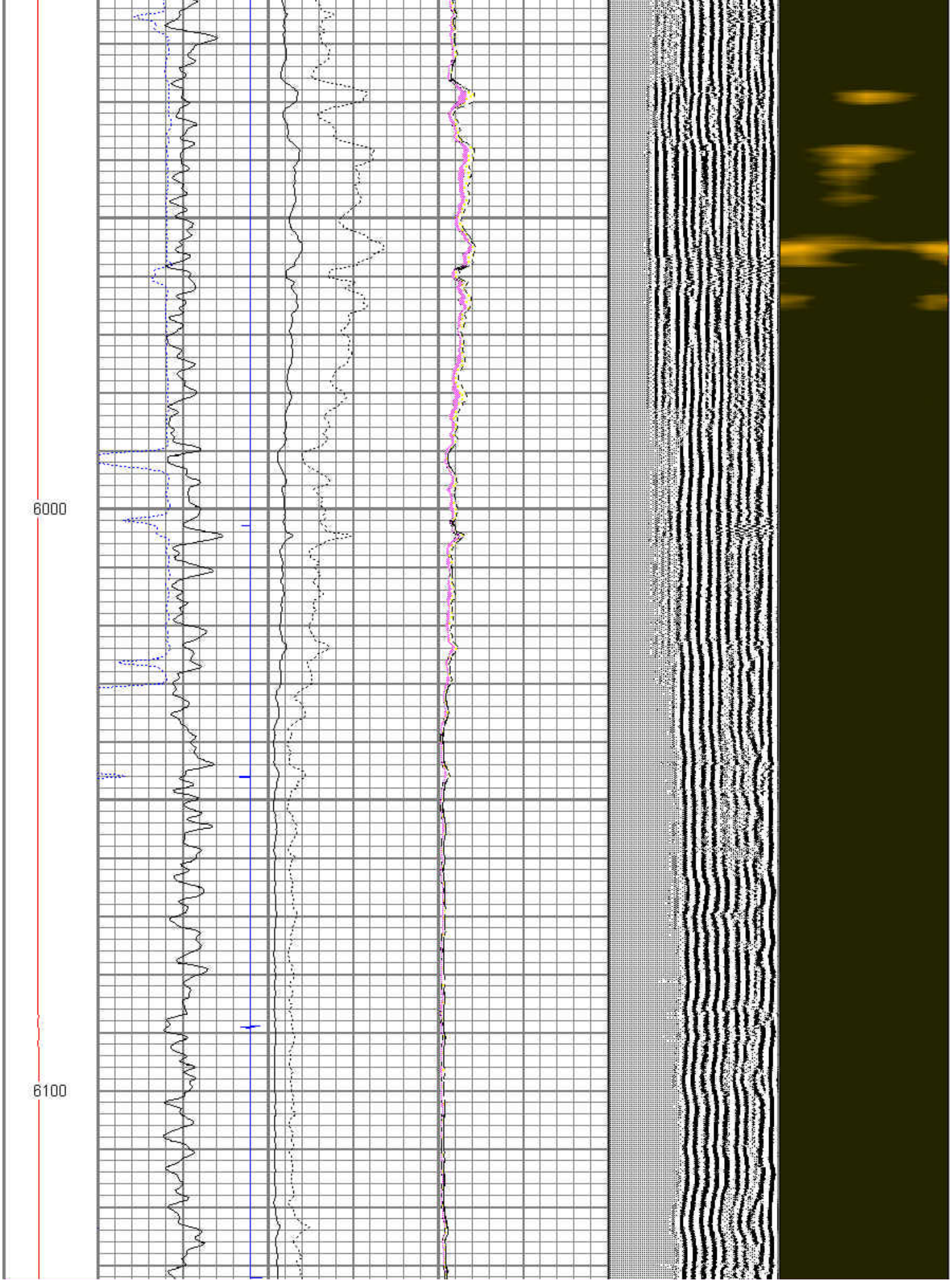
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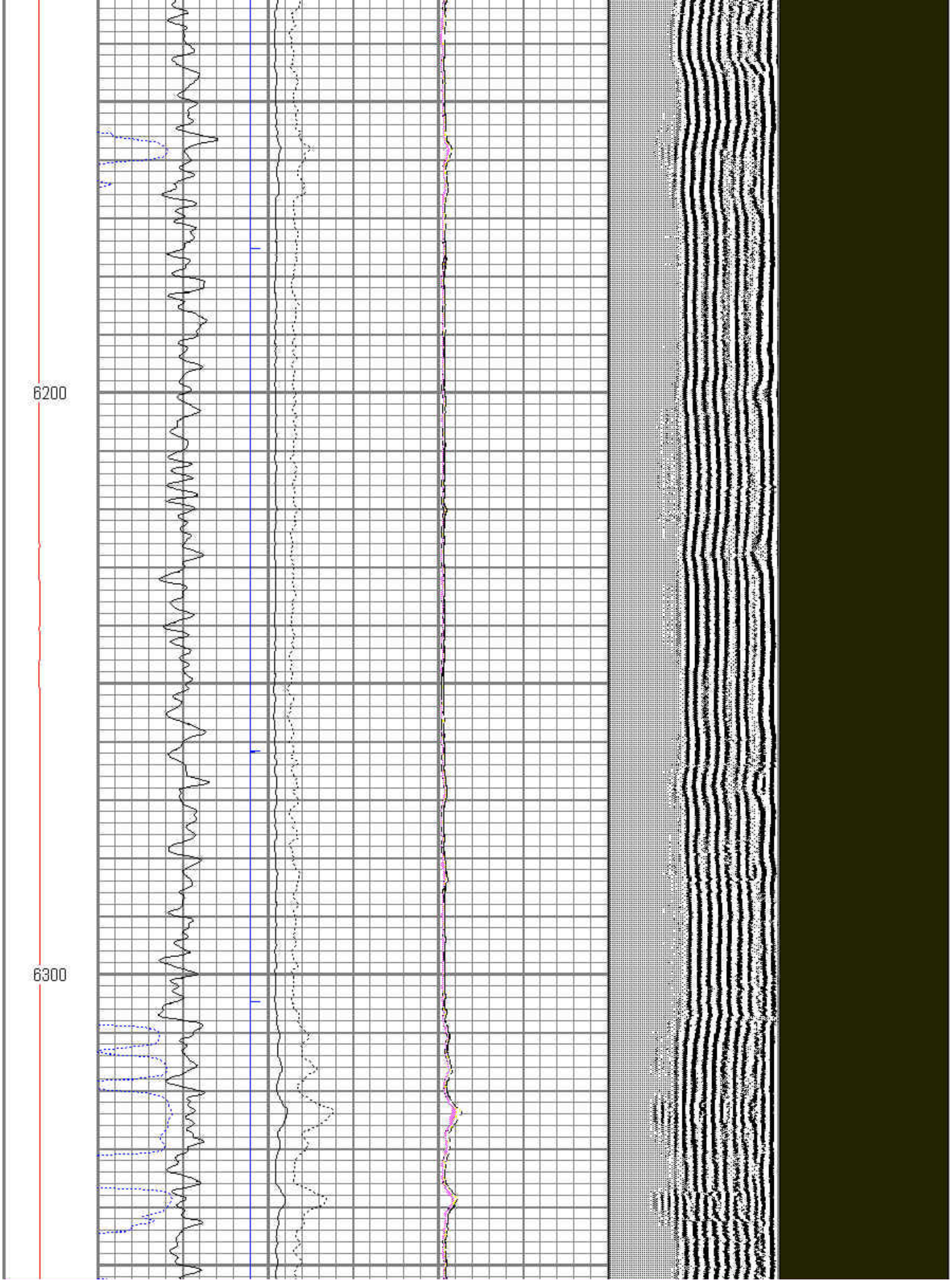
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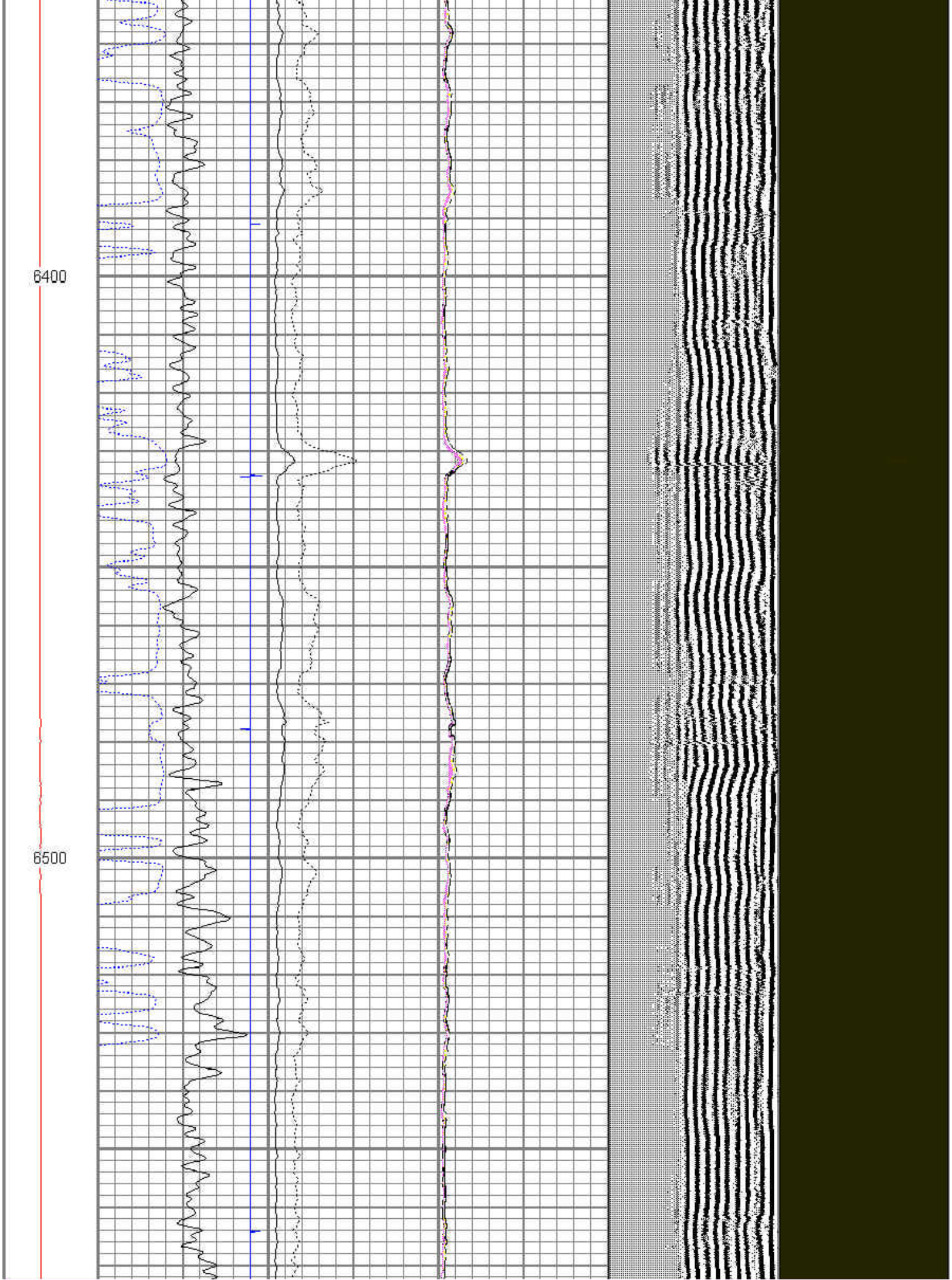
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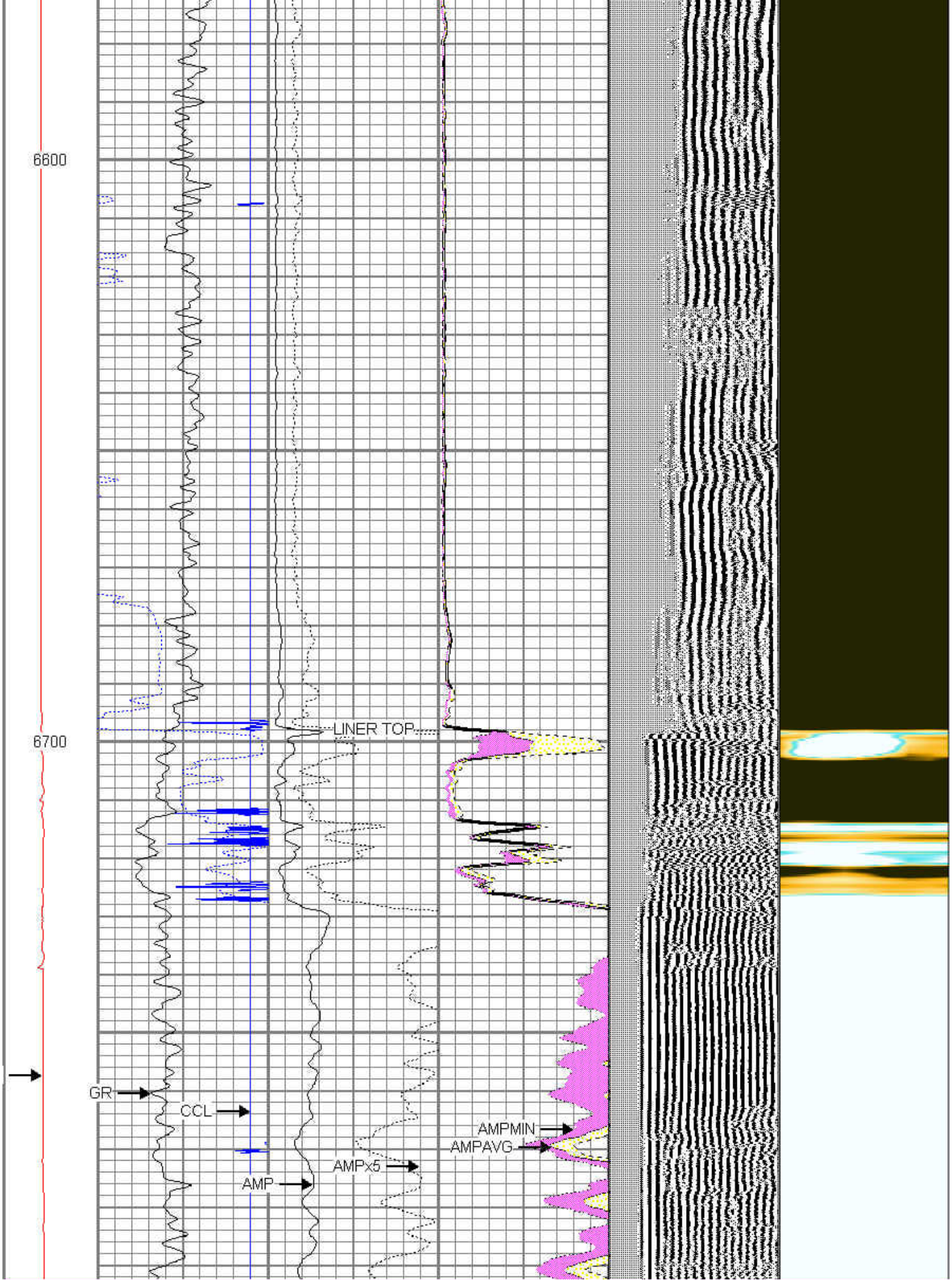
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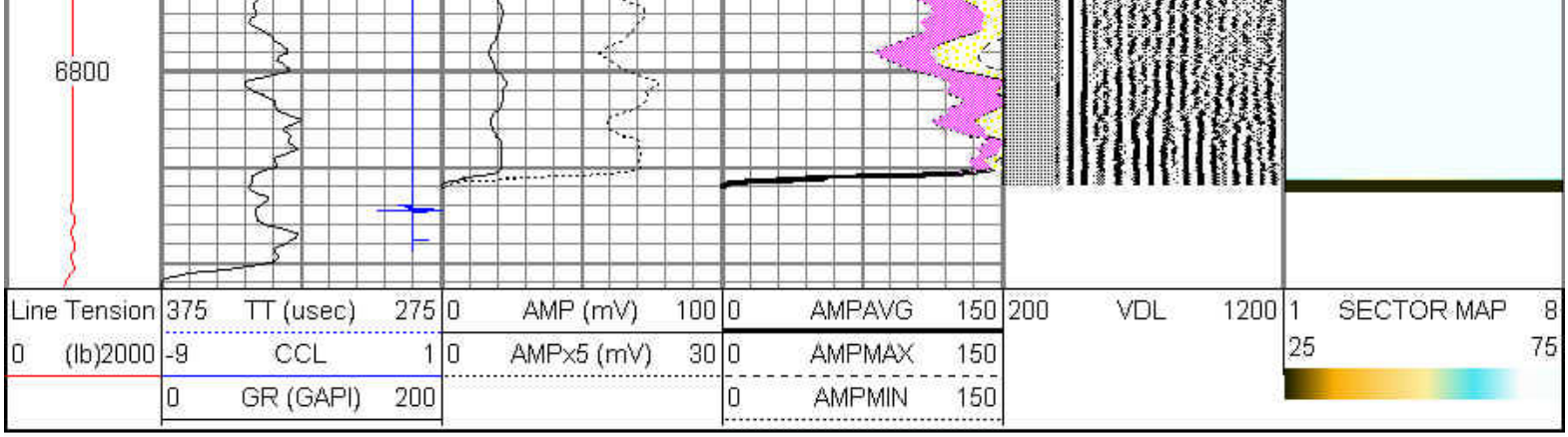
LINER TOP
GR
CCL
AMP
AMPx5
AMPMIN
AMPAVG

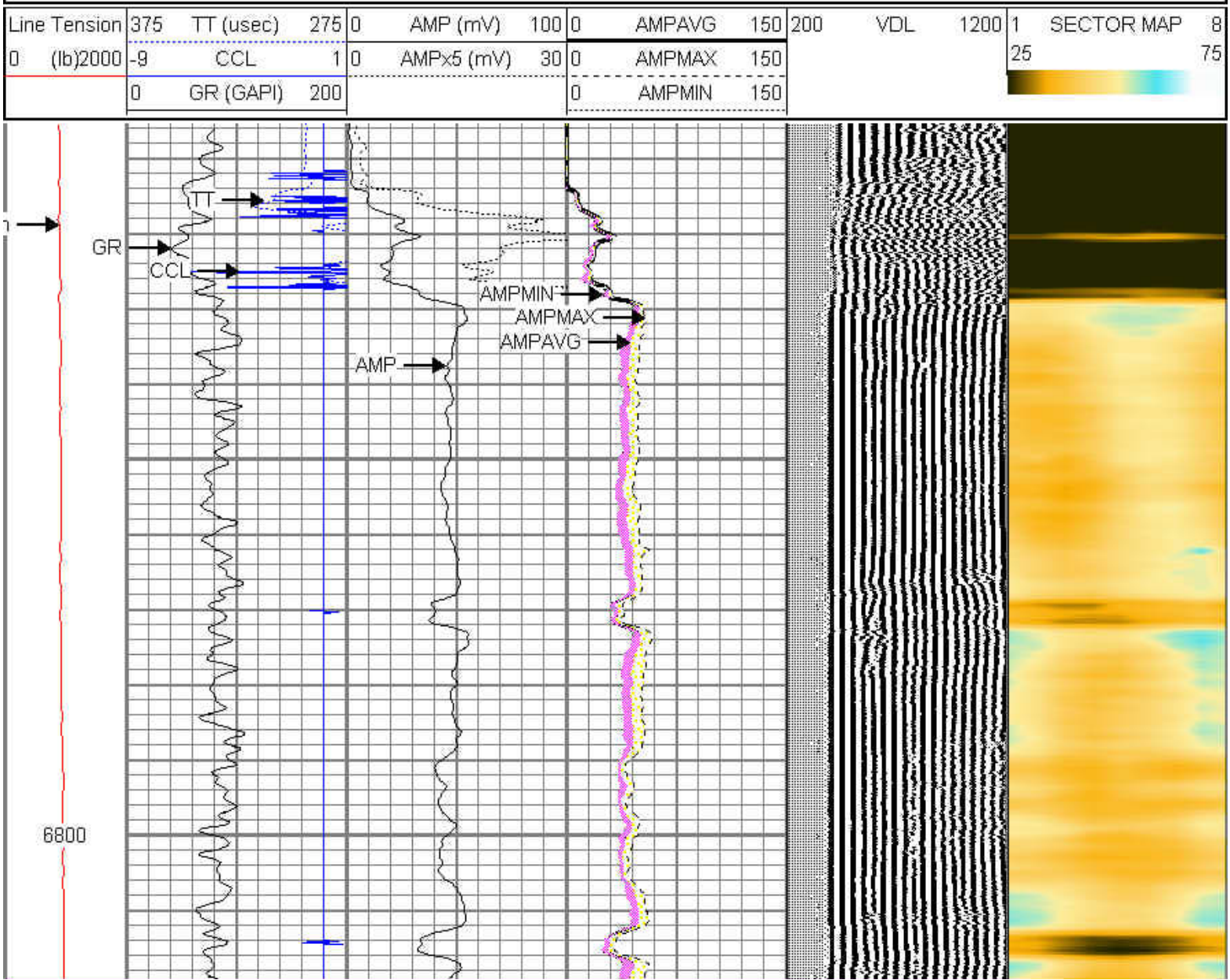


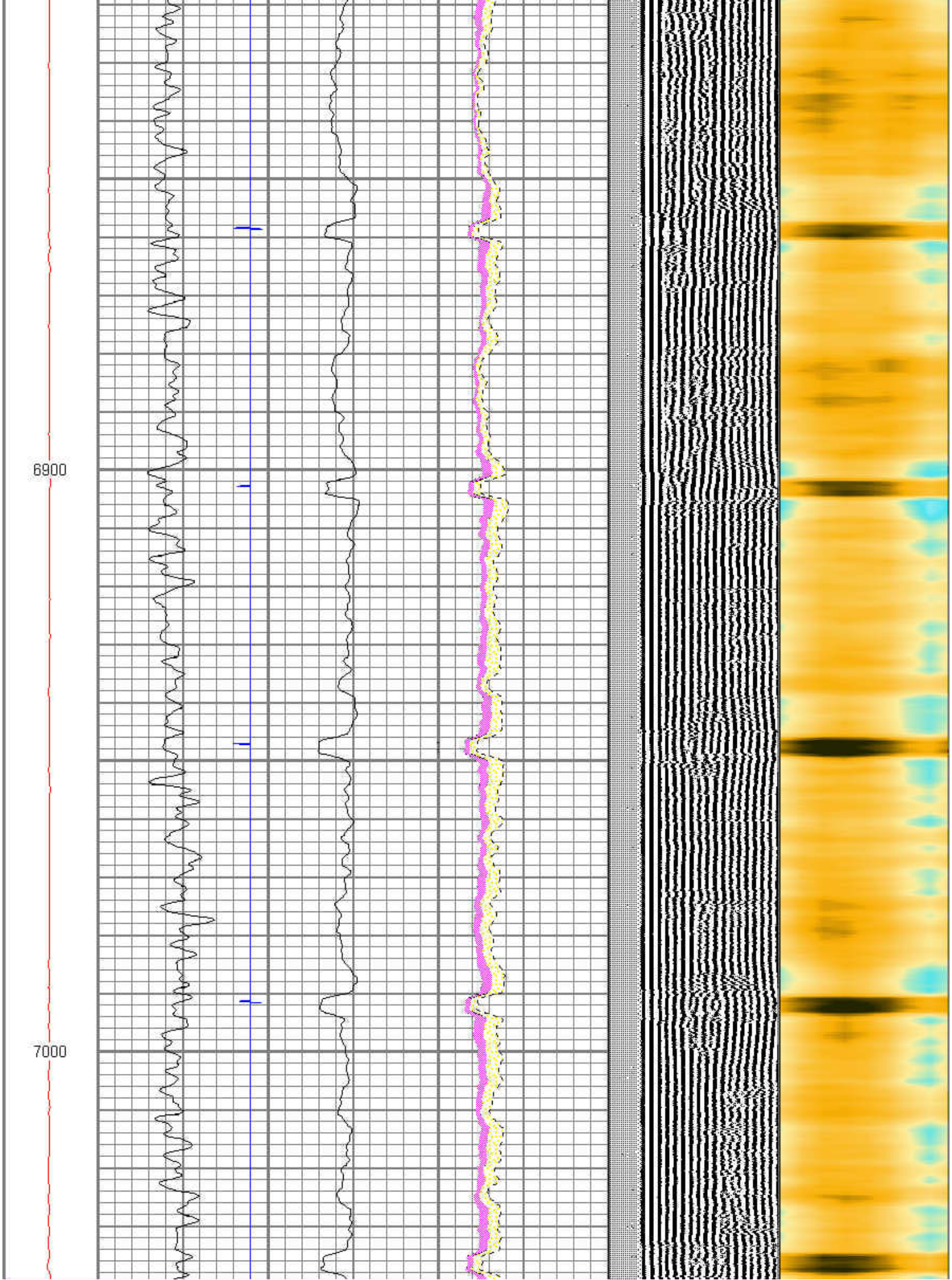
Main Pass #2 4.5" Liner

Logged With 0 PSI Applied At Surface

PIONEER
Pioneer Energy Services

Database File:	badding35n-2hz.db
Dataset Pathname:	run2/pass5
Presentation Format:	scbl02
Dataset Creation:	Wed Jan 29 16:29:56 2014 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

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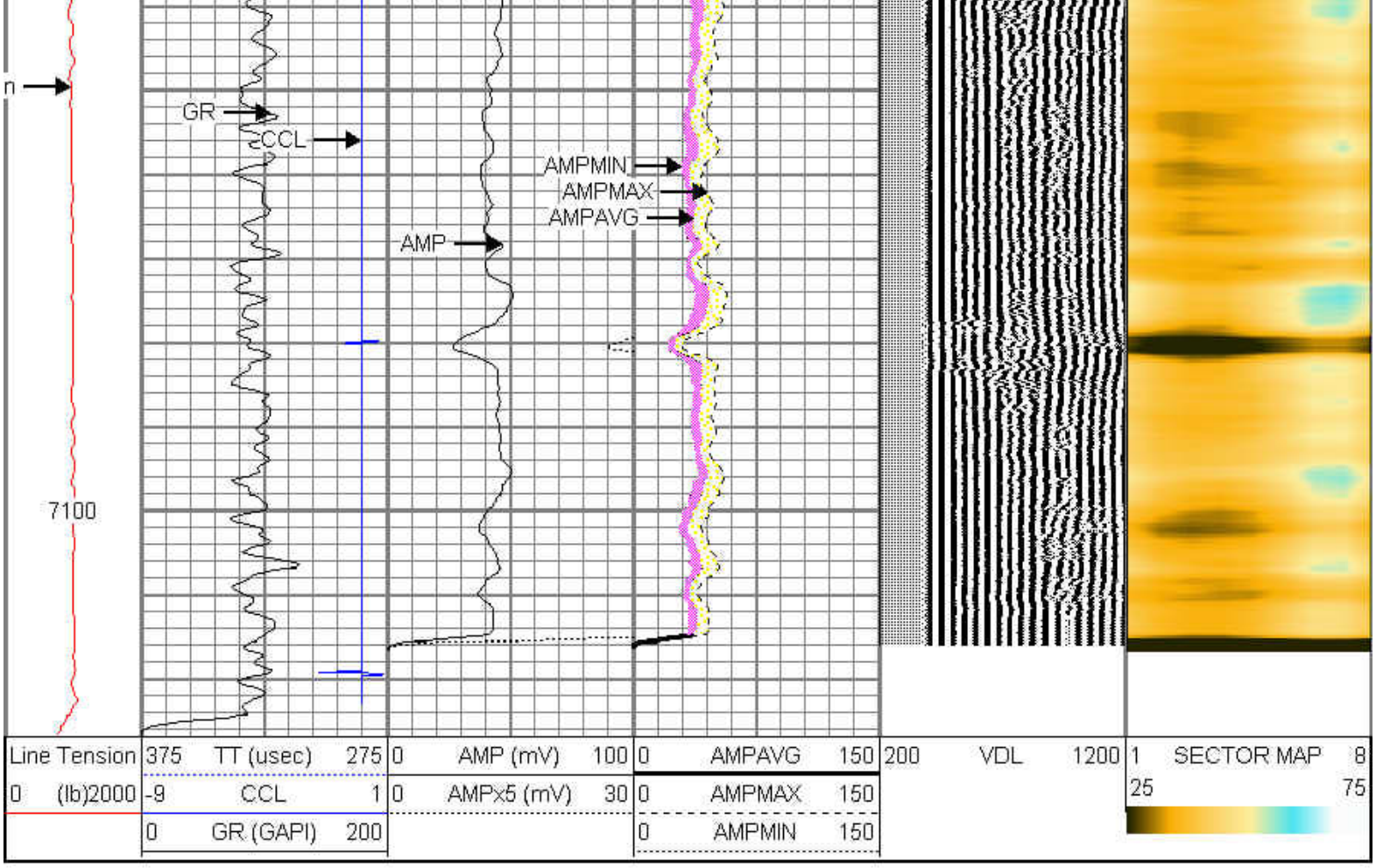

Calibration Report

Database File: badding35n-2hz.db
Dataset Pathname: run2/pass2
Dataset Creation: Wed Jan 29 11:56:45 2014 by Log SCH 120430

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:	7.000	in
Calibration Depth:	133.217	ft

Master Calibration, performed Wed Jan 29 11:59:24 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.011	0.731	1.500	62.165	84.249	0.553
CAL	0.010	1.020				
5'	0.012	0.971	1.500	62.165	79.619	0.679

5	0.012	0.671	1.500	62.165	70.018	0.670
SUM						
S1	0.011	0.751	0.000	95.000	128.422	-1.464
S2	0.011	0.761	0.000	95.000	126.677	-1.421
S3	0.011	0.737	0.000	95.000	130.968	-1.503
S4	0.011	0.716	0.000	95.000	134.744	-1.531
S5	0.011	0.717	0.000	95.000	134.644	-1.524
S6	0.011	0.725	0.000	95.000	133.032	-1.483
S7	0.011	0.732	0.000	95.000	131.695	-1.466
S8	0.011	0.741	0.000	95.000	130.223	-1.474

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.010	1.020	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

PIONEER

Pioneer Energy Services

Radial Cement Bond Log W/ Gamma Ray/CCL And Cement

Company	ANADARKO PETROLEUM CO.		
Well	BADDING 35N-2HZ		
Field	WATTENBERG		
County	WELD	State	CO
Location:	API #: 05-123-38285		
	2411' FSL & 1381' FWL		
	40.093928 LAT, -104.748799 LONG		
	SEC 35 TWP 2N RGE 66W		
Permanent Datum	GROUND LEVEL Elevation	5103	
Log Measured From	KELLY BUSHING = 13'		
Drilling Measured From	KELLY BUSHING		

Company ANADARKO PETROLEUM CO.
Well BADDING 35N-2HZ
Field WATTENBERG
County WELD
State CO

Date	29 JAN 2014
Run Number	ONE
Depth Driller	15188'
Depth Logger	7290'
Bottom Logged Interval	7288'
Top Log Interval	SURFACE
Open Hole Size	8.75"
Type Fluid	WATER
Density / Viscosity	8.34#
Max. Recorded Temp.	See Caliper Log
Estimated Cement Top	384'
Time Well Ready	11:00
Time Logger on Bottom	12:00
Equipment Number	24
Location	FT. MORGAN
Recorded By	M. MAVROS
Witnessed By	Edgar Chavez

Borehole Record

Run Number	Bit	From	To	Size

Tubing Record

Weight	From

Casing Record	Size	Wgt/Ft	Top
Surface String	9.625"	36#	Surface
Prot. String			
Production String	7"	26#	SURFACE
Liner	4-1/2"	11.6#	6665'

Bottom	To
7765'	
15177'	
1185'	

Other Services
JB/GR
Caliper

Elevation
K.B. 5116'
D.F. 5117'
G.L. 5103'

ent
g
CCL/VDL
Map

<<< 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 using Pioneer Energy Services

Liner Top at