Company	OIL PRODUCERS INC. OF KS.
Well	ADAMS #1A-16
Field	ADAMS RANCH
County	MEADE
State	KANSAS

SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company OIL PRODUCERS, INC. OF KANSAS
Well ADAMS #1A-16
Field ADAMS RANCH
County MEADE State KANSAS

Location: API #: 15-119-21273-0000
1387' FNL & 1354' FWL
SEC 16 TWP 35S RGE 30W

Other Services
CDL/CNL/PE
MEL/SONIC

Permanent Datum GROUND LEVEL Elevation 2415
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2427
D.F. 2425
G.L. 2415

Date	9/25/10		
Run Number	ONE		
Depth Driller	6300		
Depth Logger	6308		
Bottom Logged Interval	6306		
Top Log Interval	00		
Casing Driller	8 5/8"@1510'	13 3/8"@266'	20"@175'
Casing Logger	1510		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,200 PPM	
Density / Viscosity	9.3/51		
pH / Fluid Loss	10.1/10.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.700@94F		
Rmf @ Meas. Temp	.525@94F		
Rmc @ Meas. Temp	.840@94F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.480@137F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	1:00 P.M.		
Maximum Recorded Temperature	137F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MACKLIN ARMSTRONG		

<<< Fold Here >>>

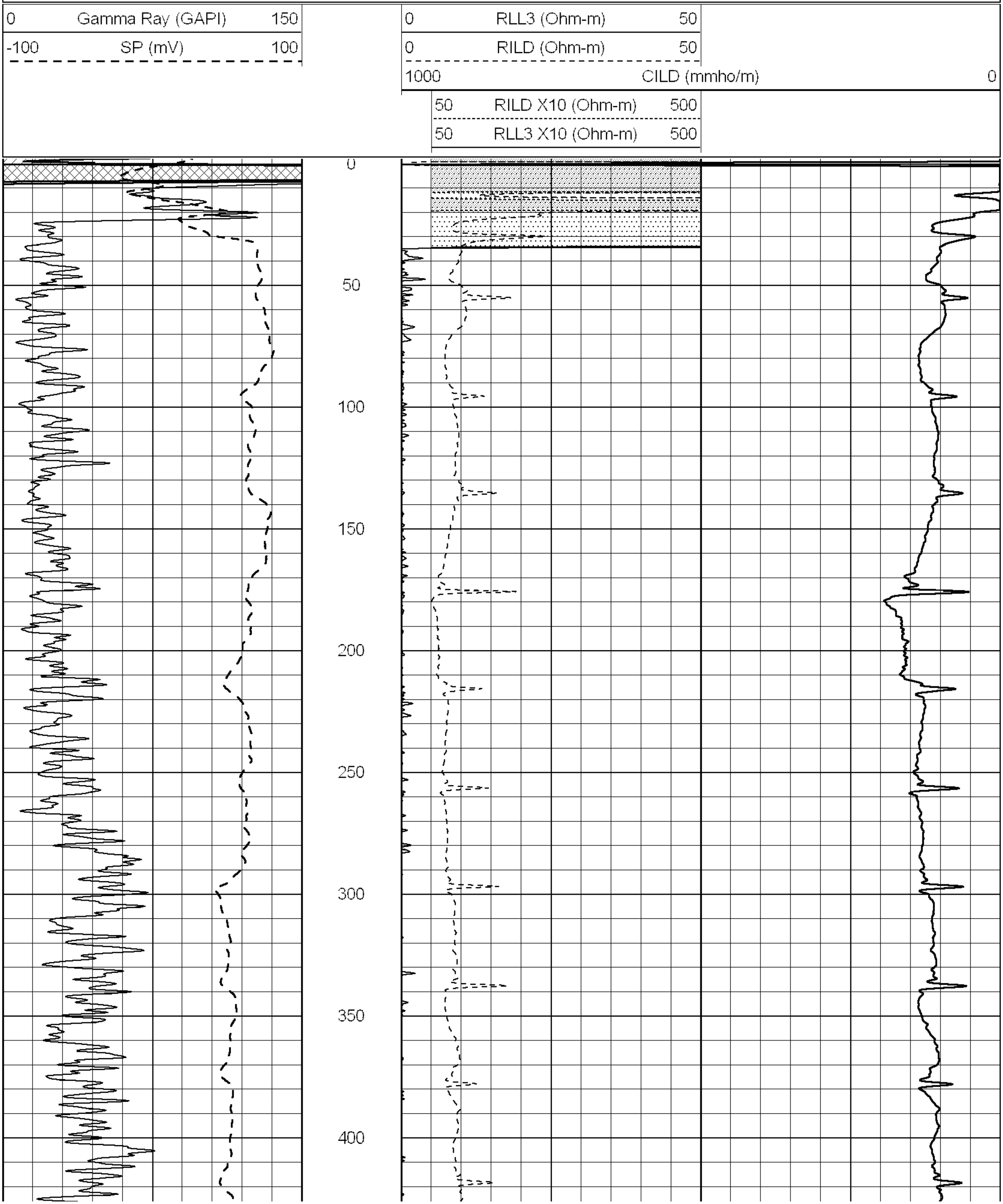
Comments

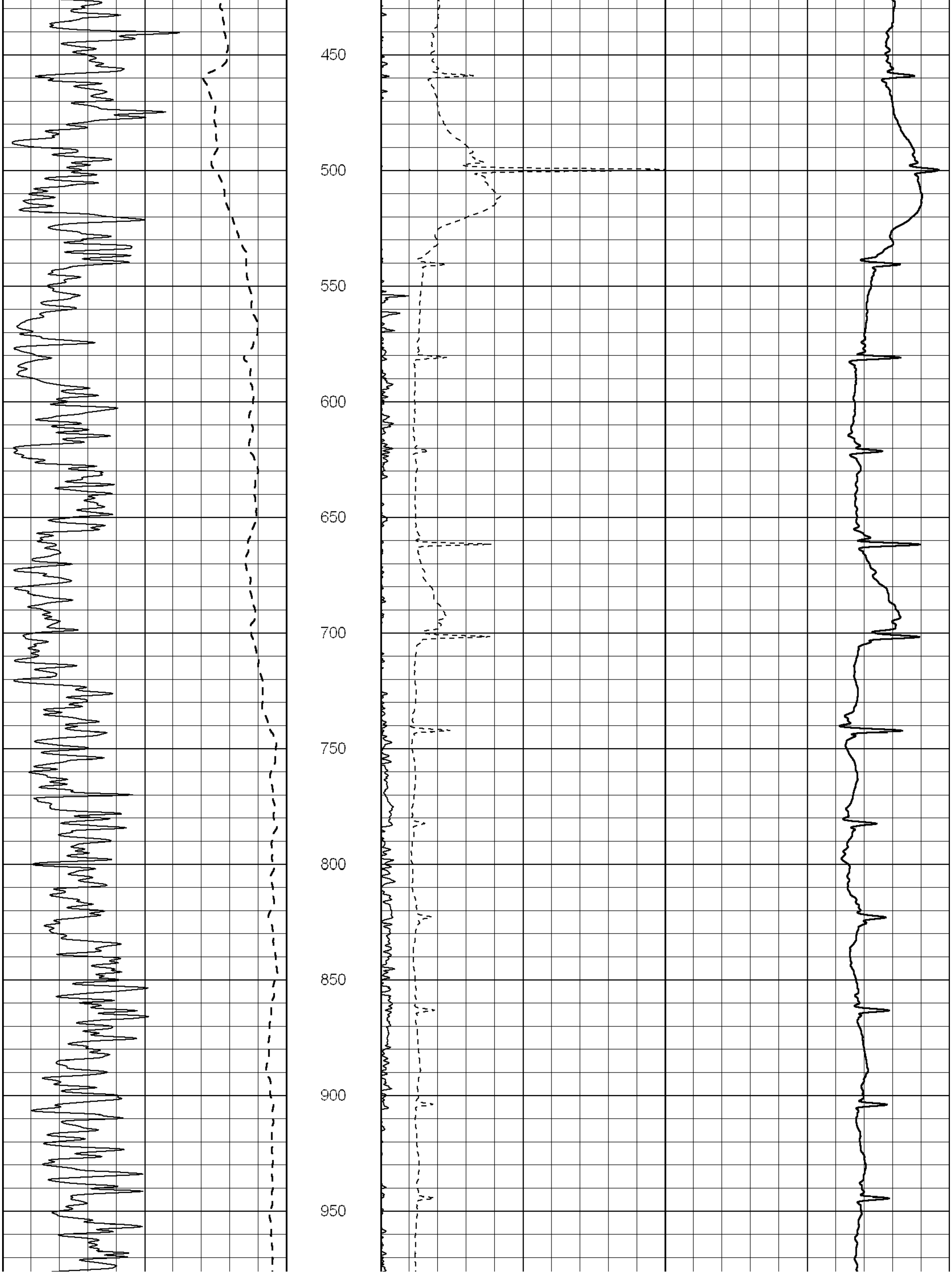
THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
LIBERAL, KS. 12 1/2E. ON BLKTOP, 2 1/2S., 2E. , 1/2 E. ACROSS CATTLE GUARD, 3 MORE MILES N. & E. TAKE RIGHT FORK IN RD. THE LAST 1/2 MILE

SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 005983pe.db
Dataset Pathname: pass3.6
Presentation Format: dil2
Dataset Creation: Sat Sep 25 15:09:08 2010
Charted by: Depth in Feet scaled 1:600

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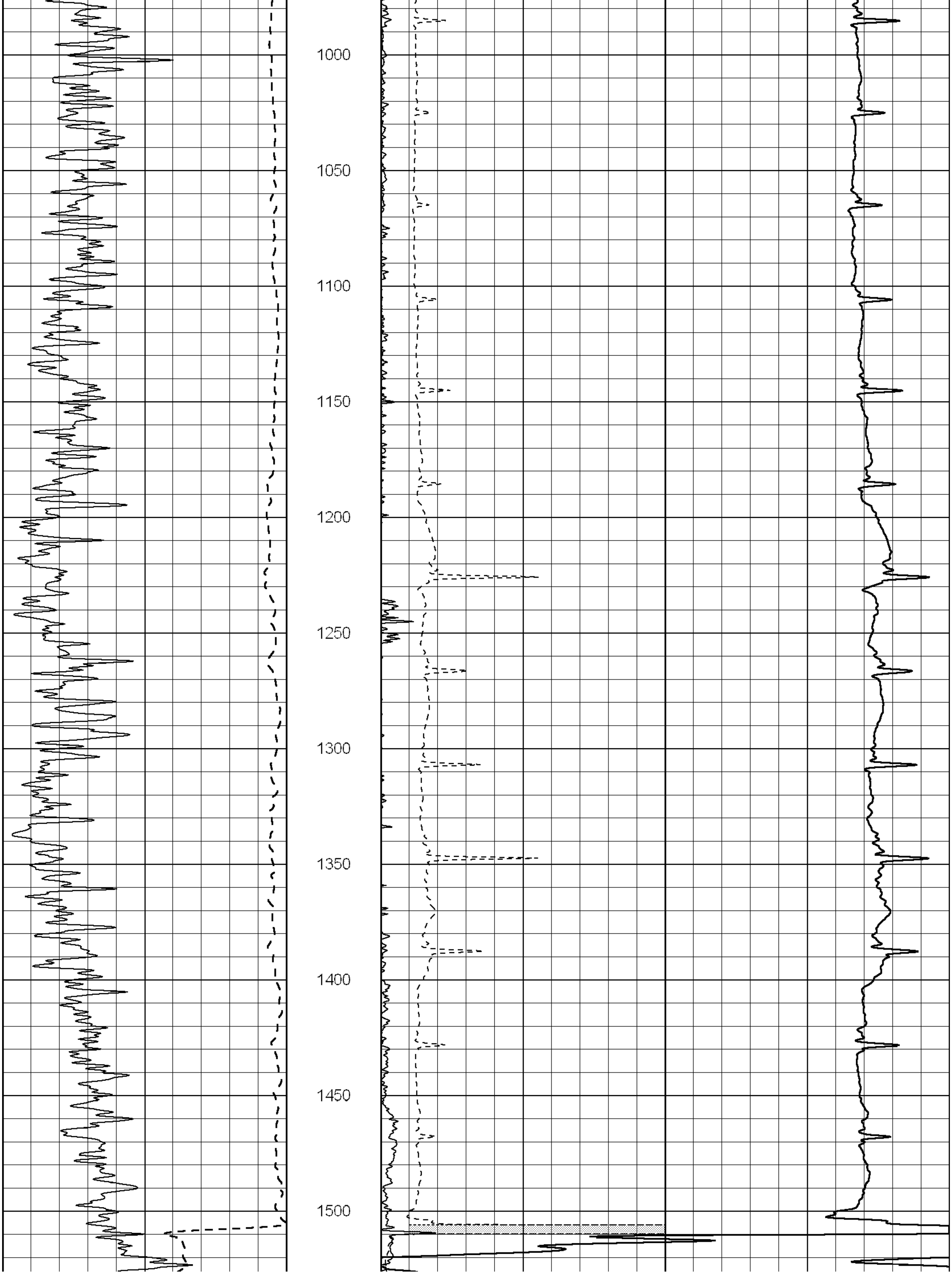
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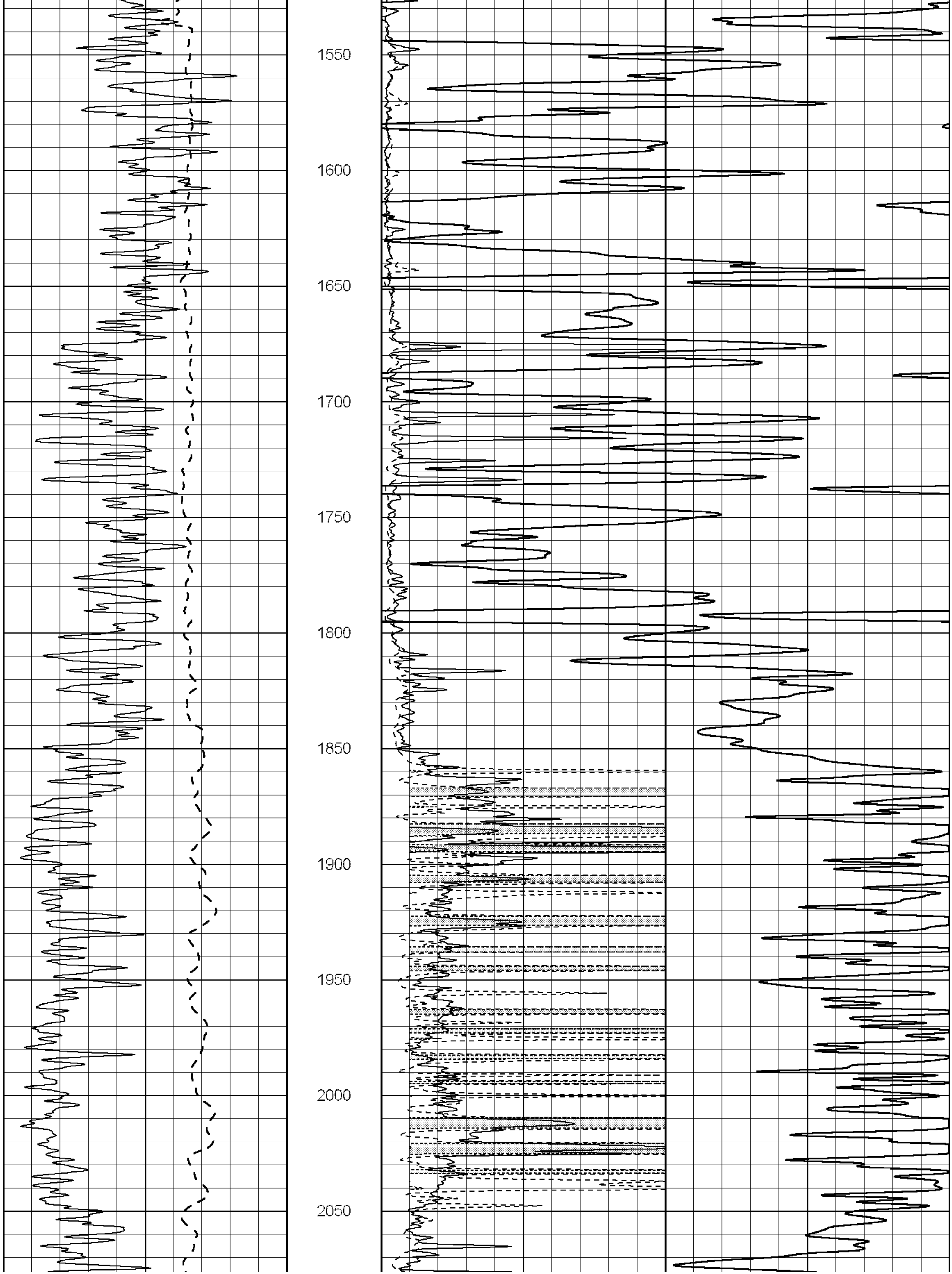
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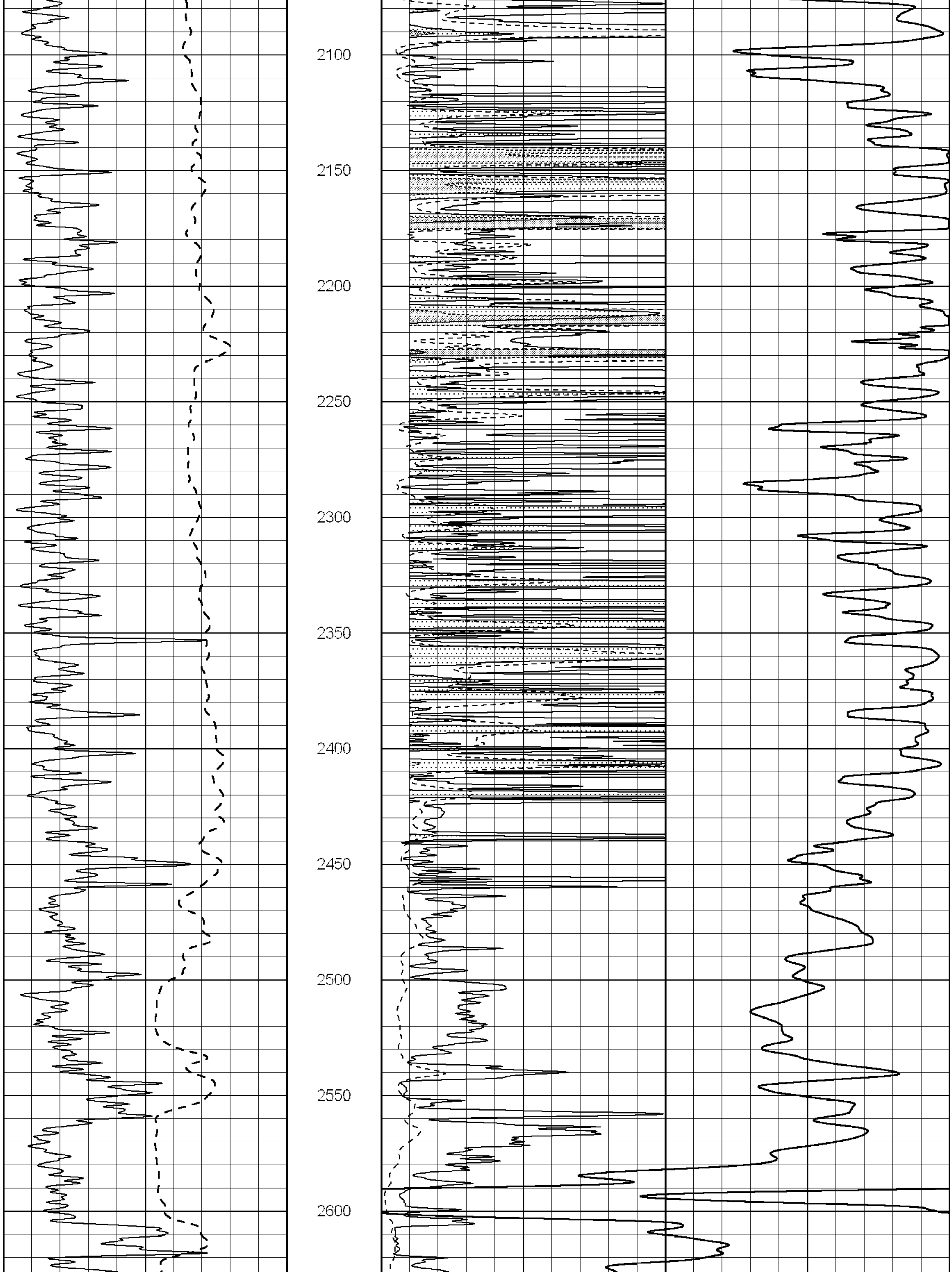
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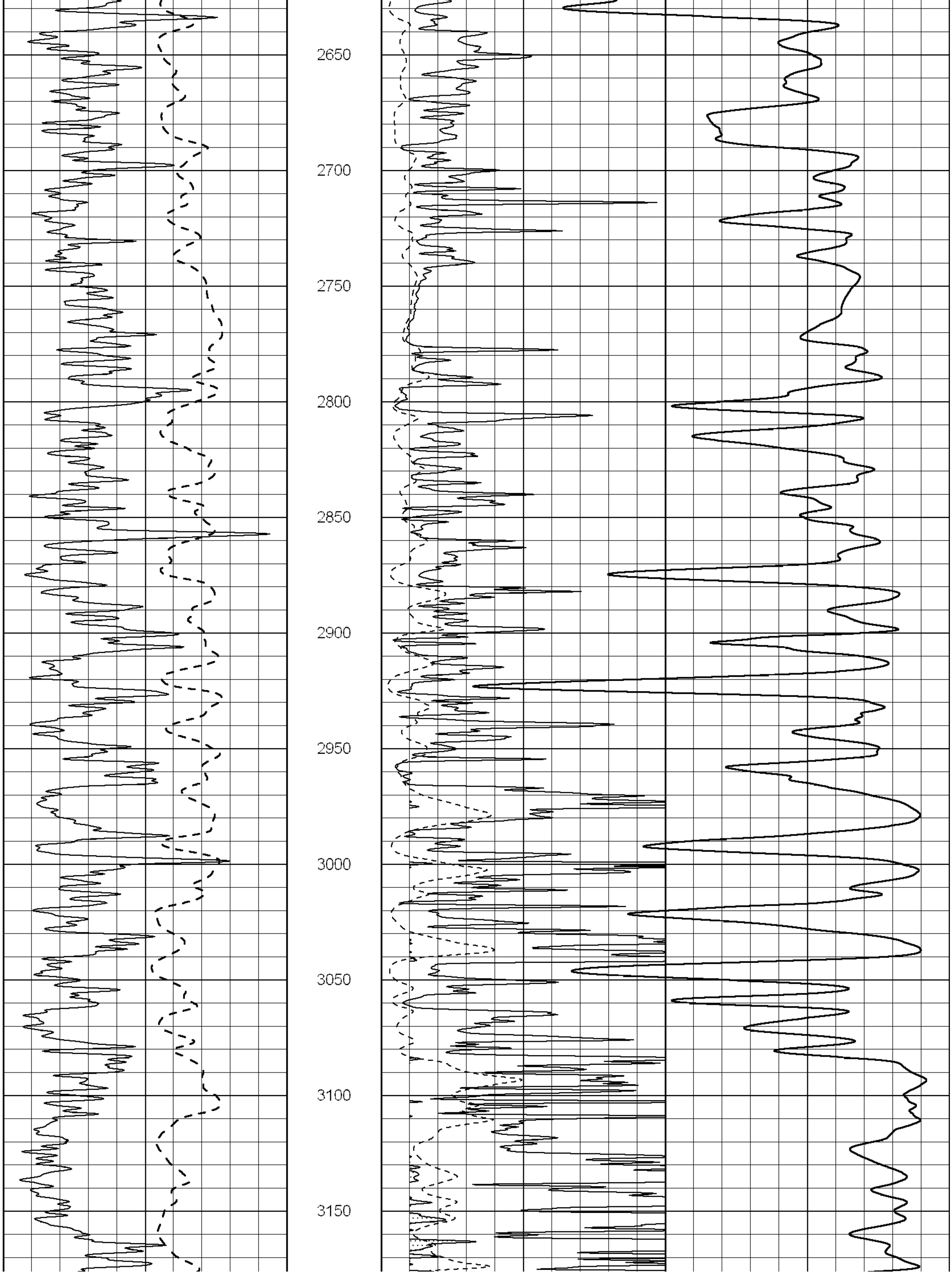
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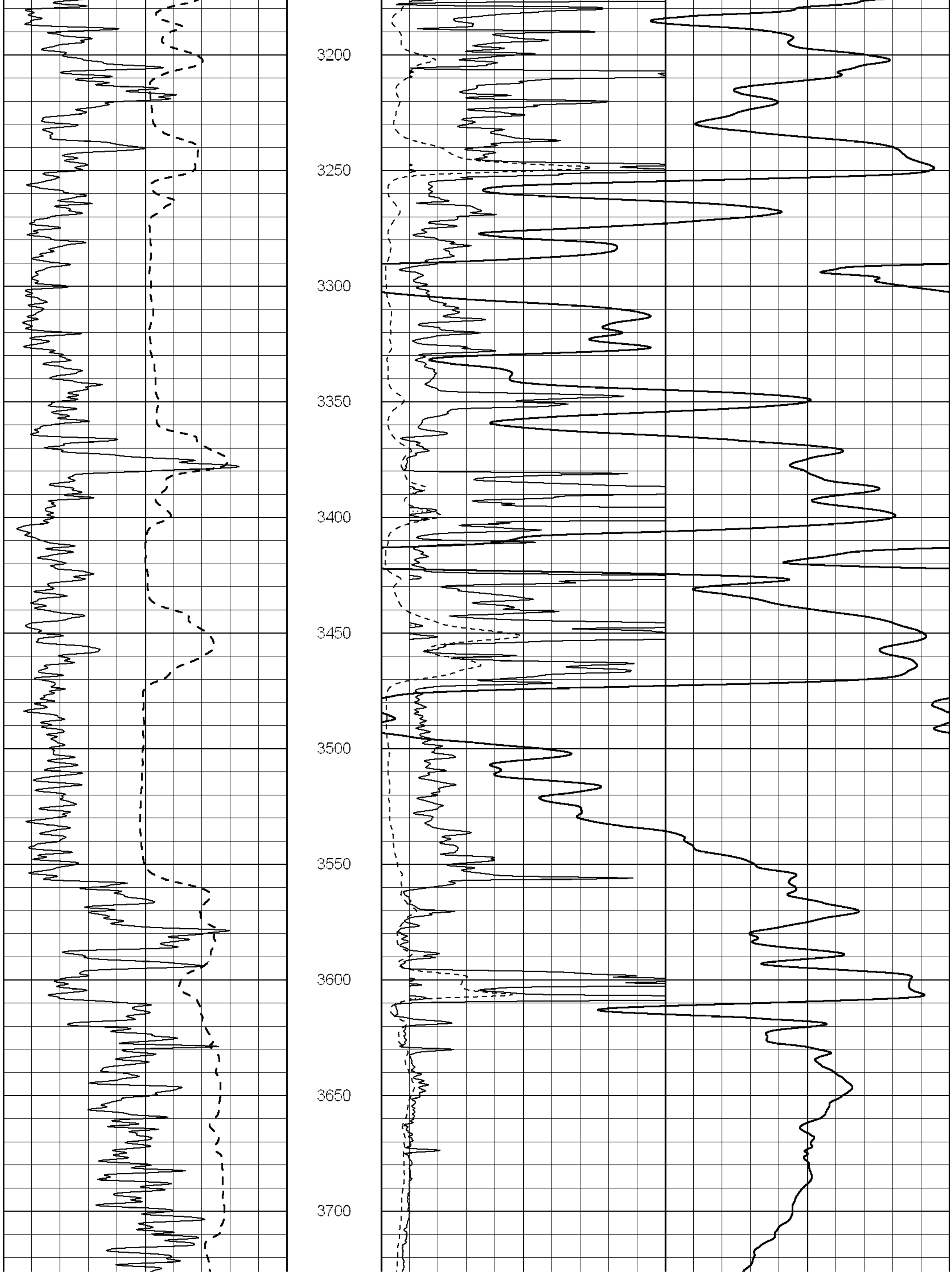
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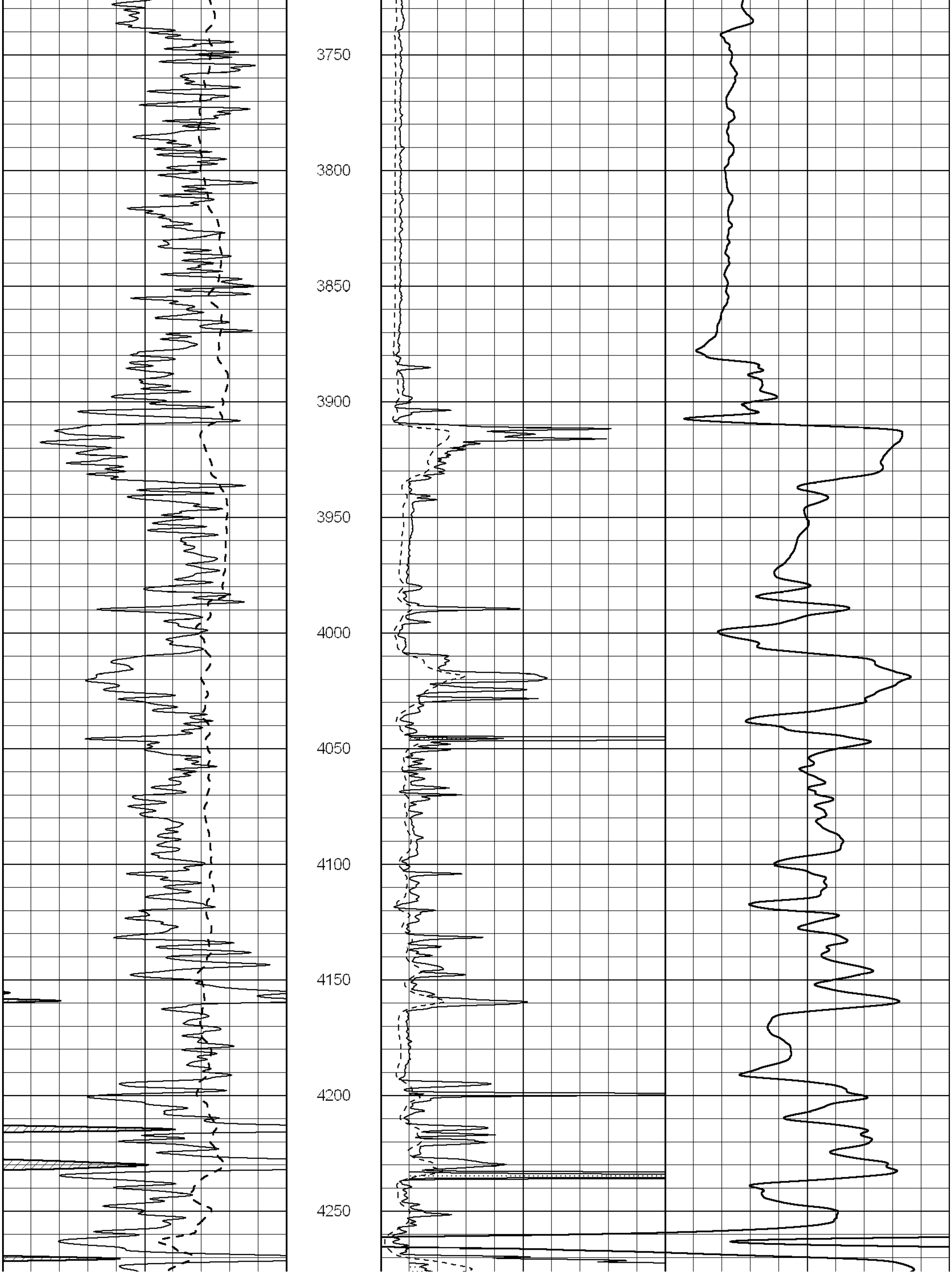
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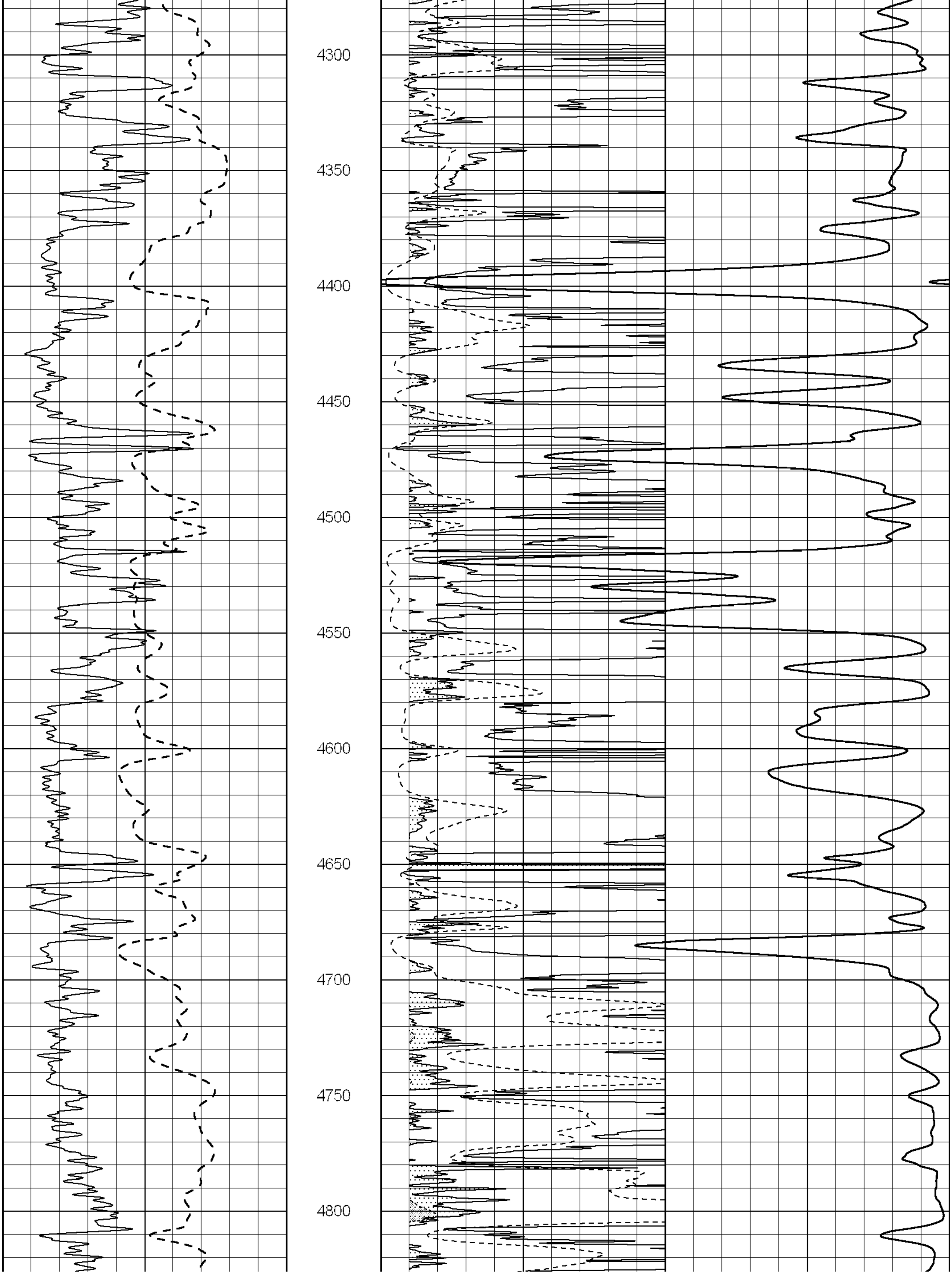
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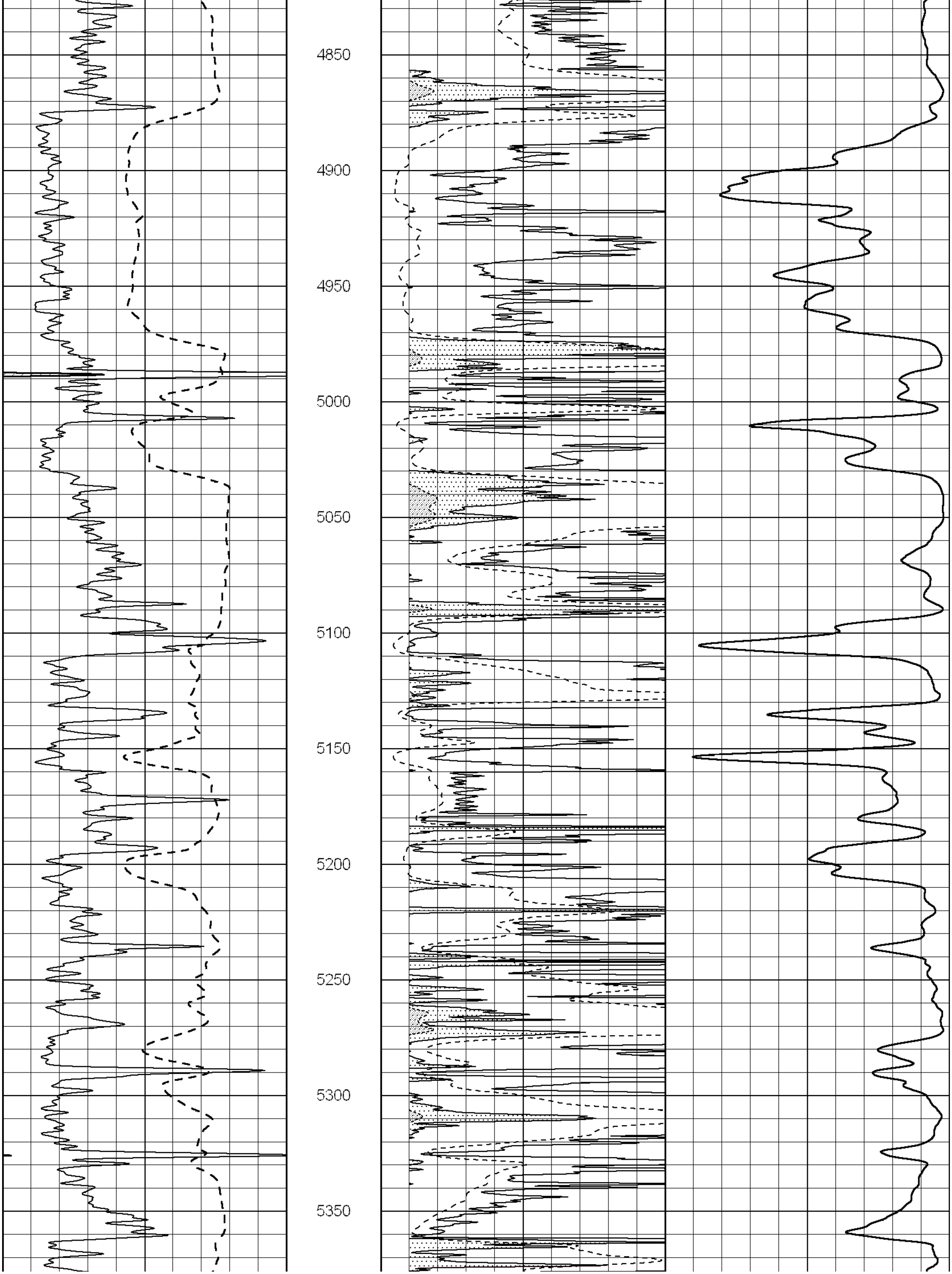
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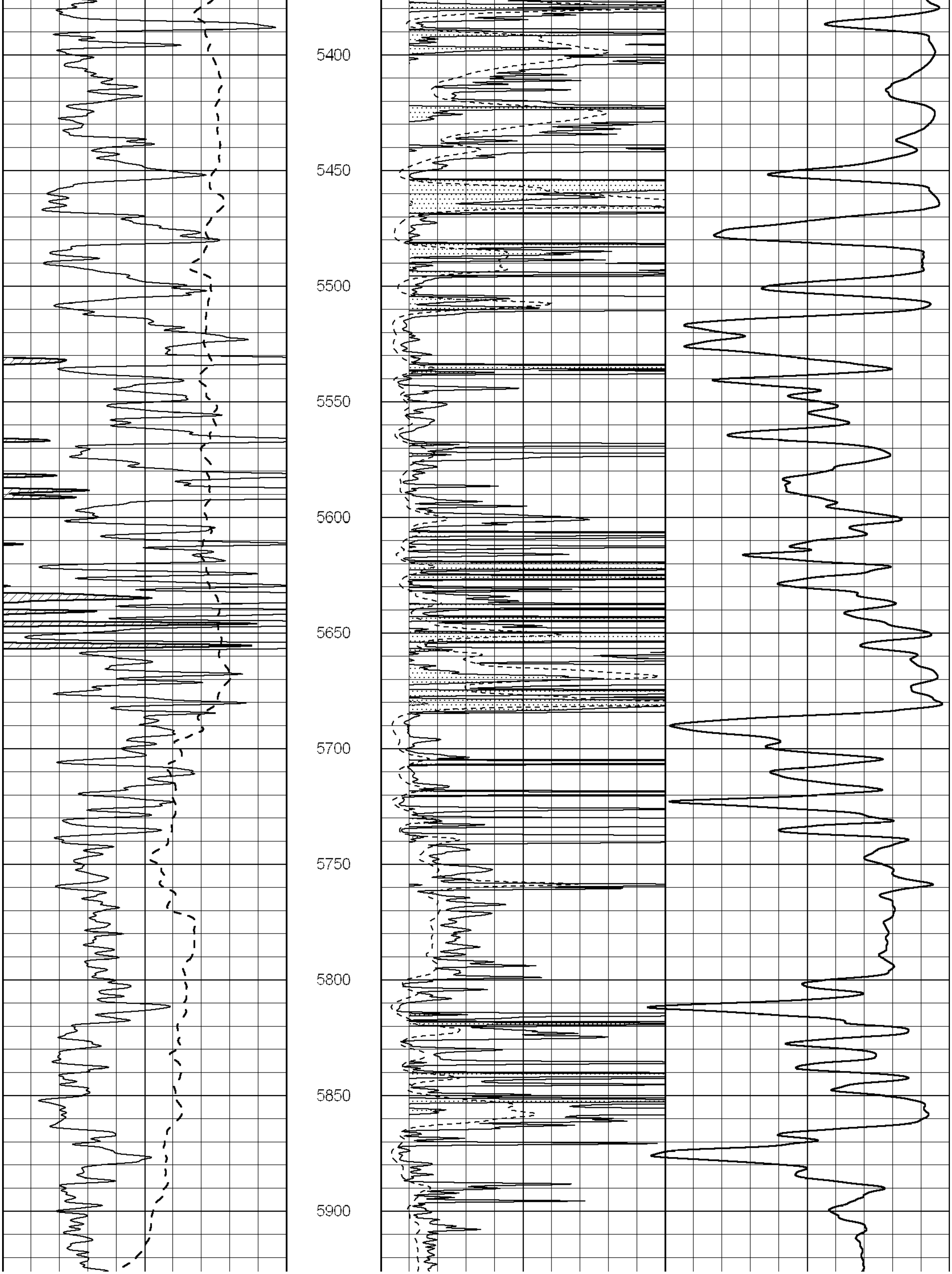
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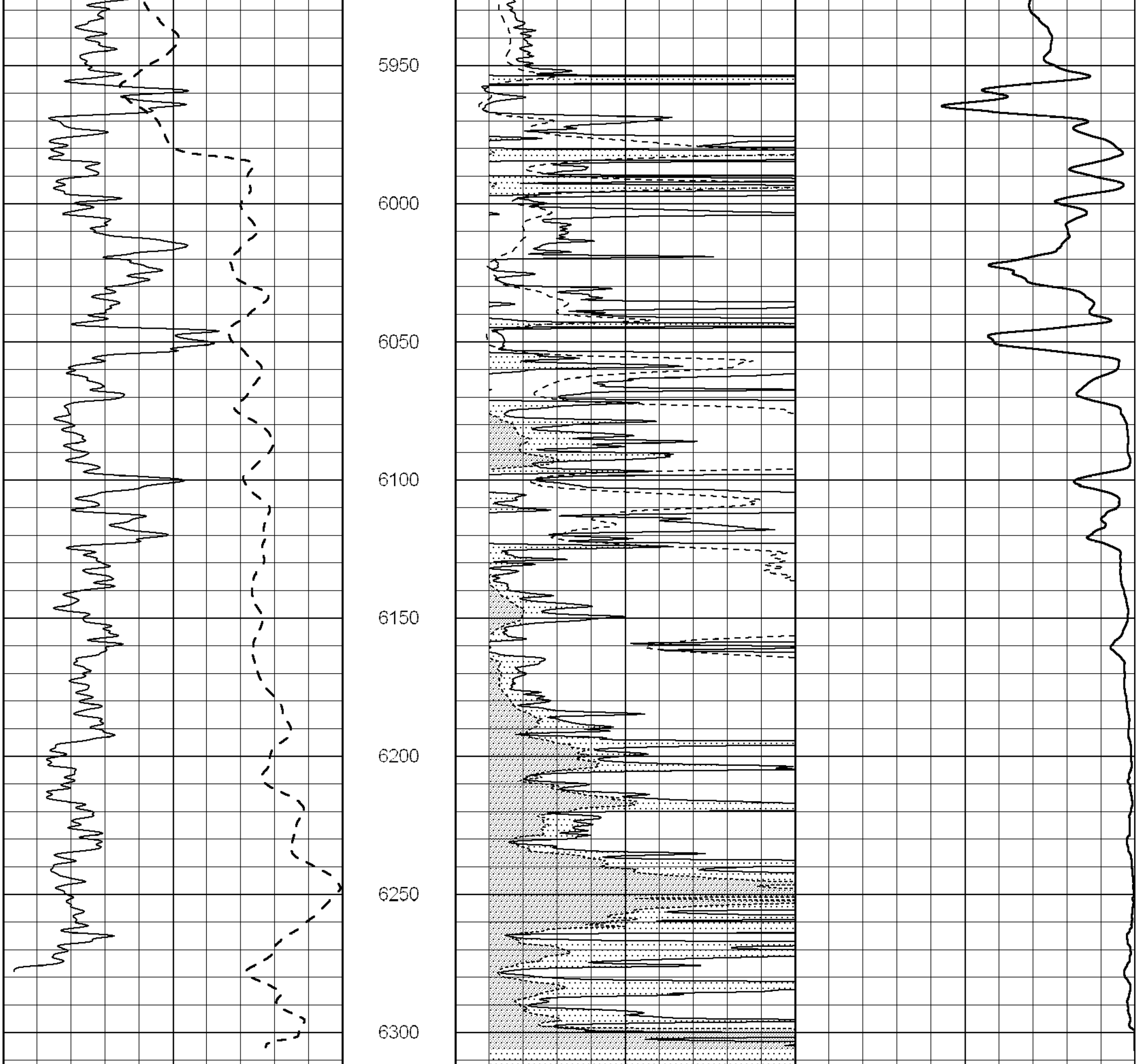

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-100	SP (mV)	100	
0	RLL3 (Ohm-m)	50	
0	RILD (Ohm-m)	50	
1000	CILD (mmho/m)	0	
50	RILD X10 (Ohm-m)	500	
50	RLL3 X10 (Ohm-m)	500	

SUPERIOR WELL SERVICES

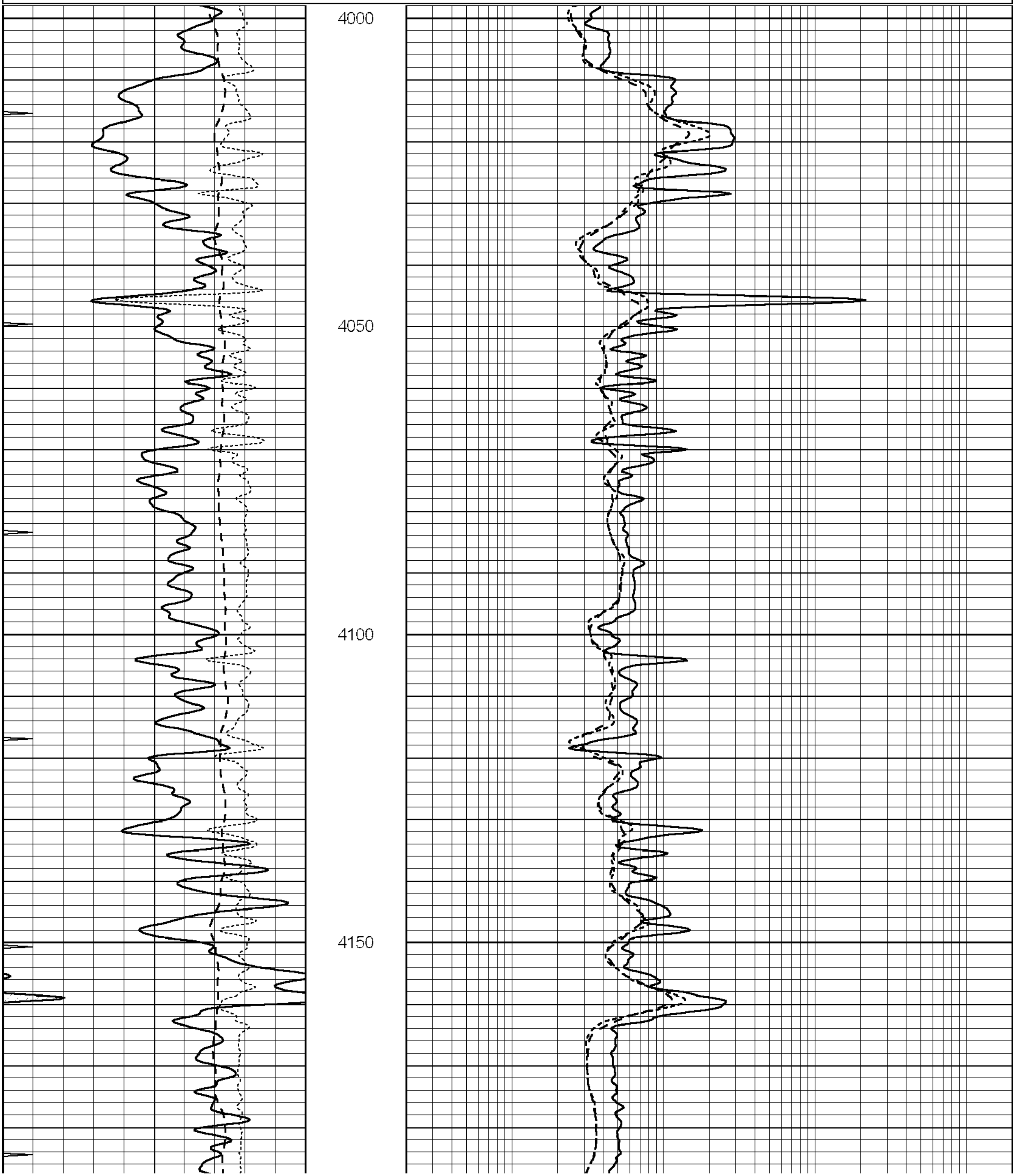
SUPERIOR
Hays,
Kansas

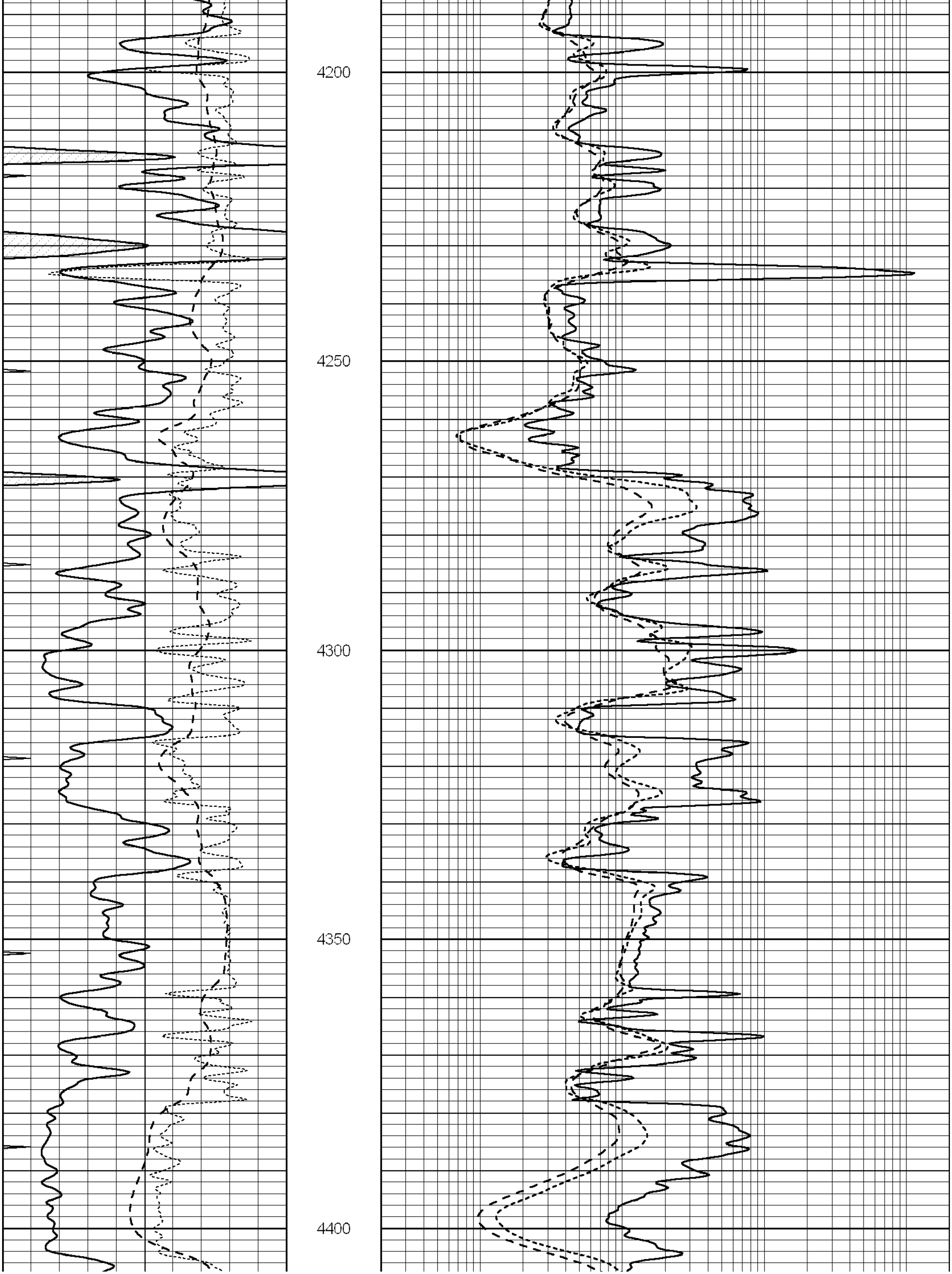
MAIN SECTION

Database File: 005983pe.db
Dataset Pathname: pass3.6
Presentation Format: dil
Dataset Creation: Sat Sep 25 15:09:08 2010

Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150		0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100		0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50		0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	10				

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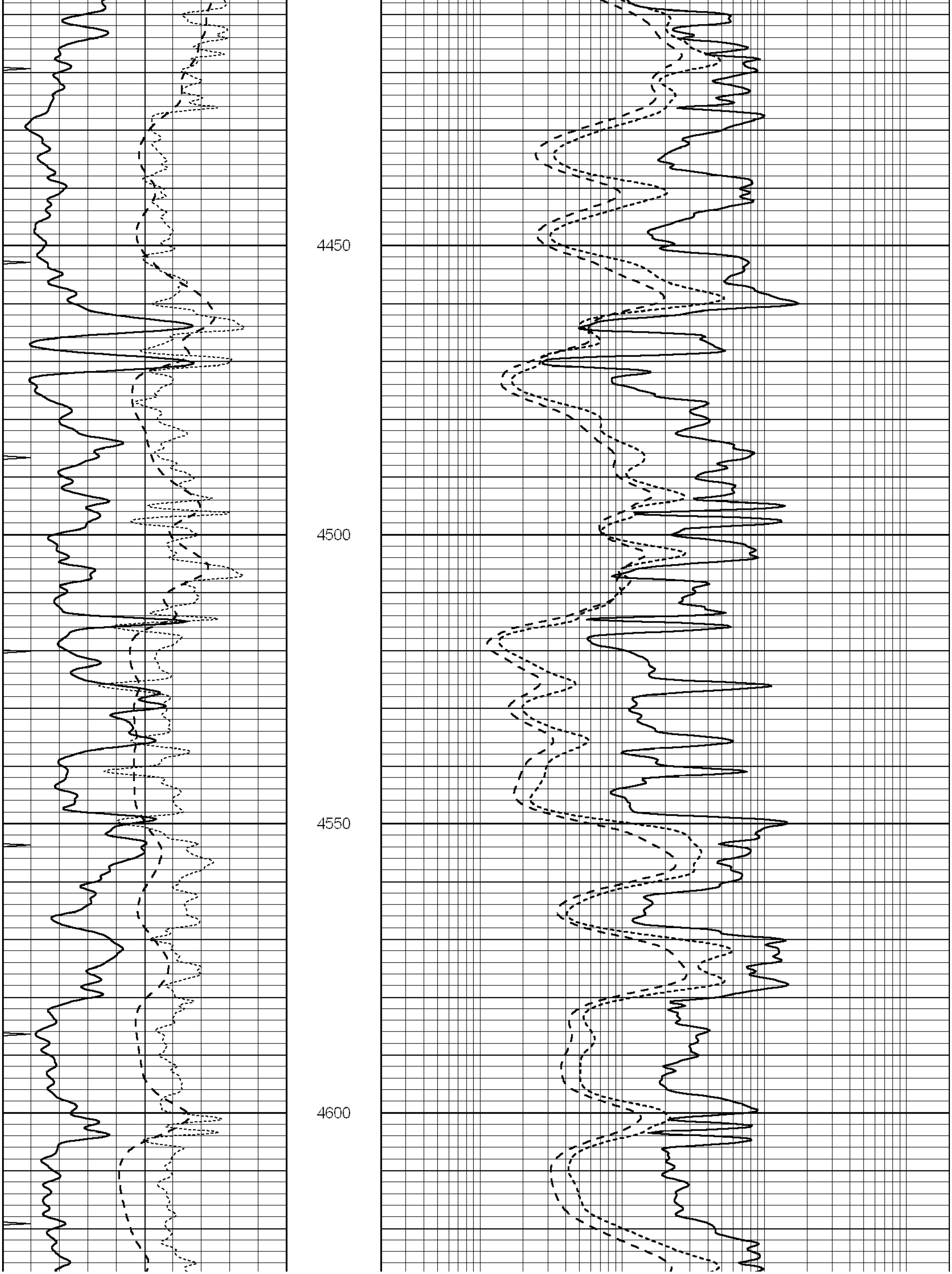

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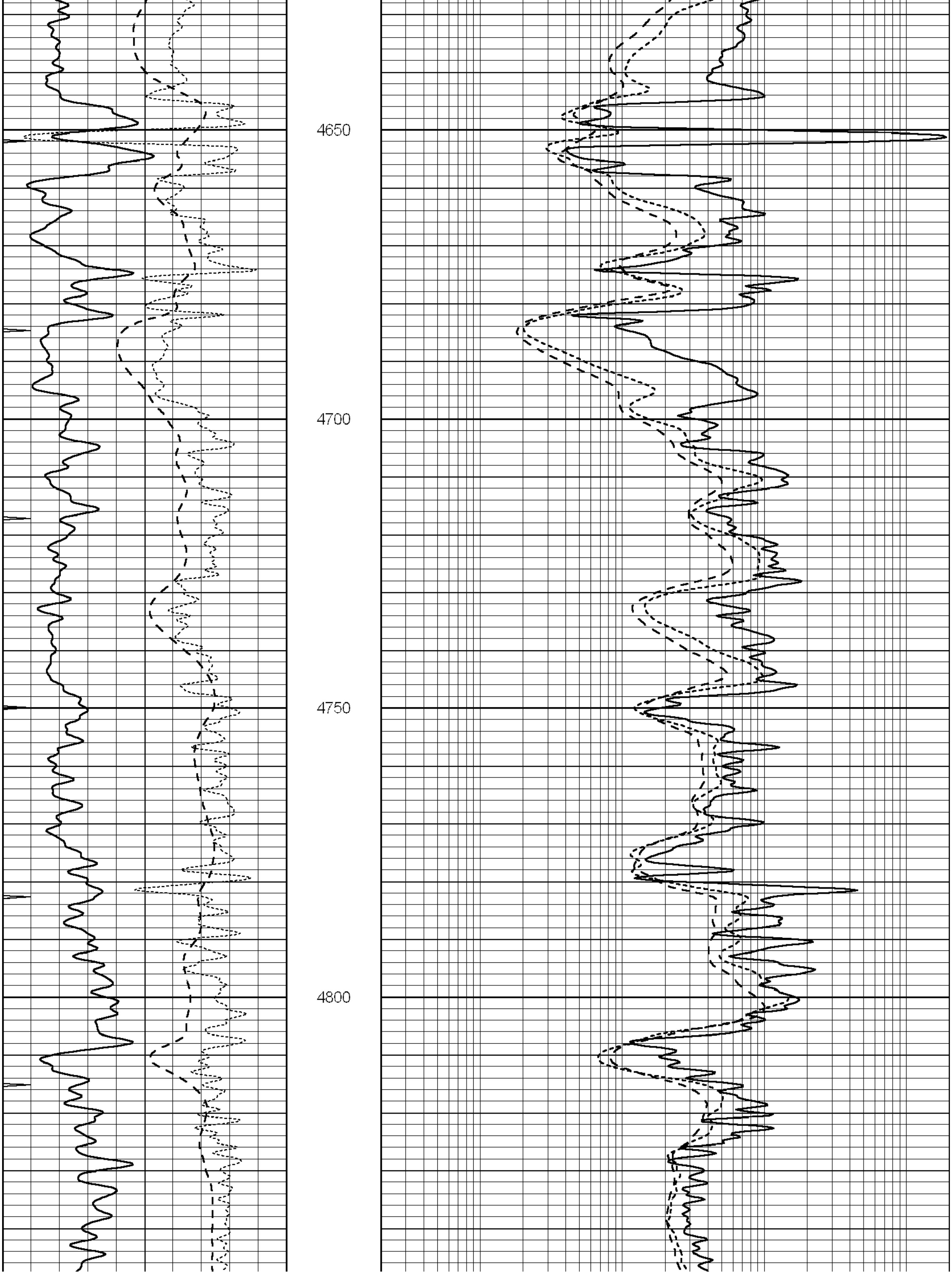
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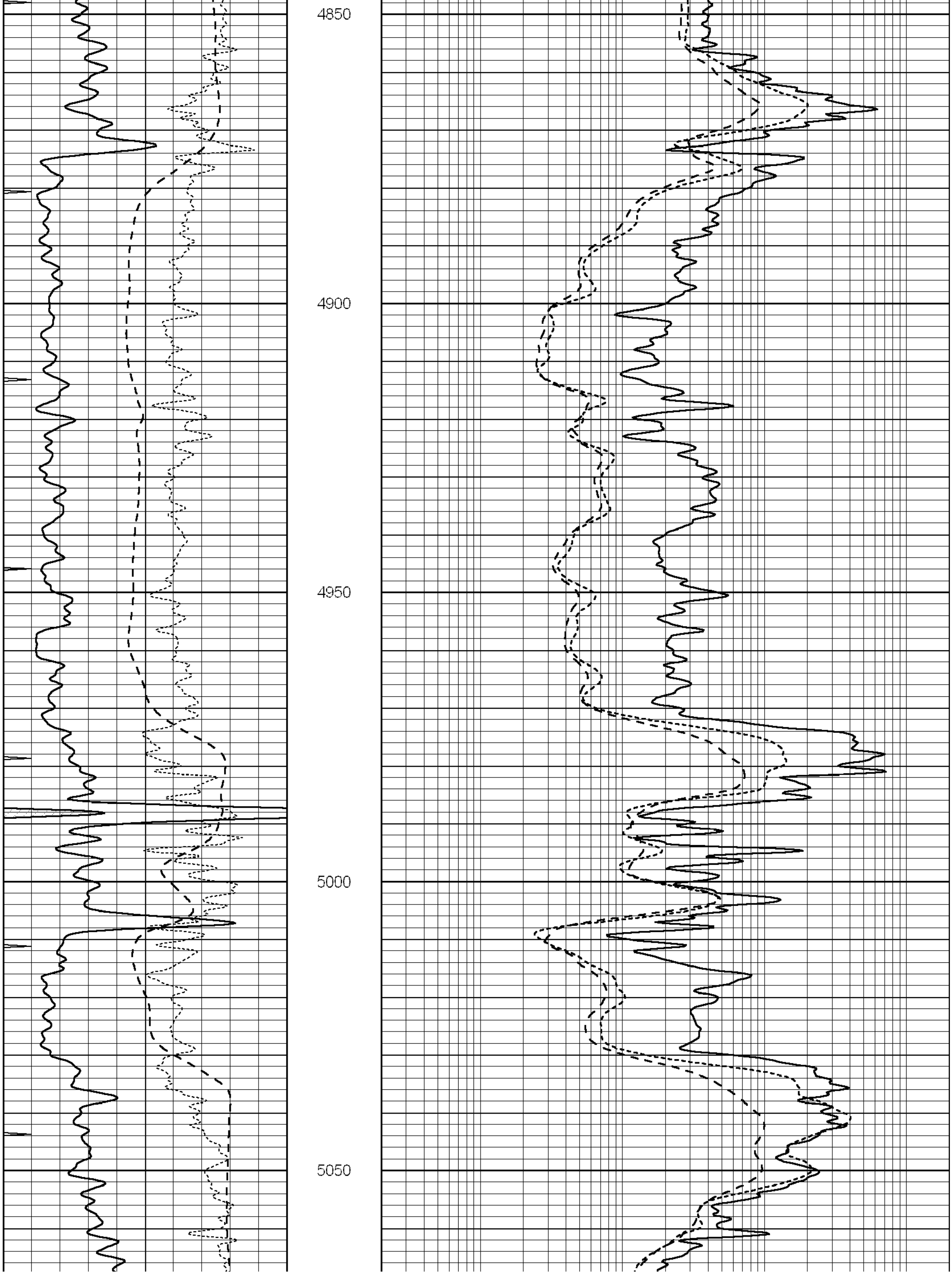
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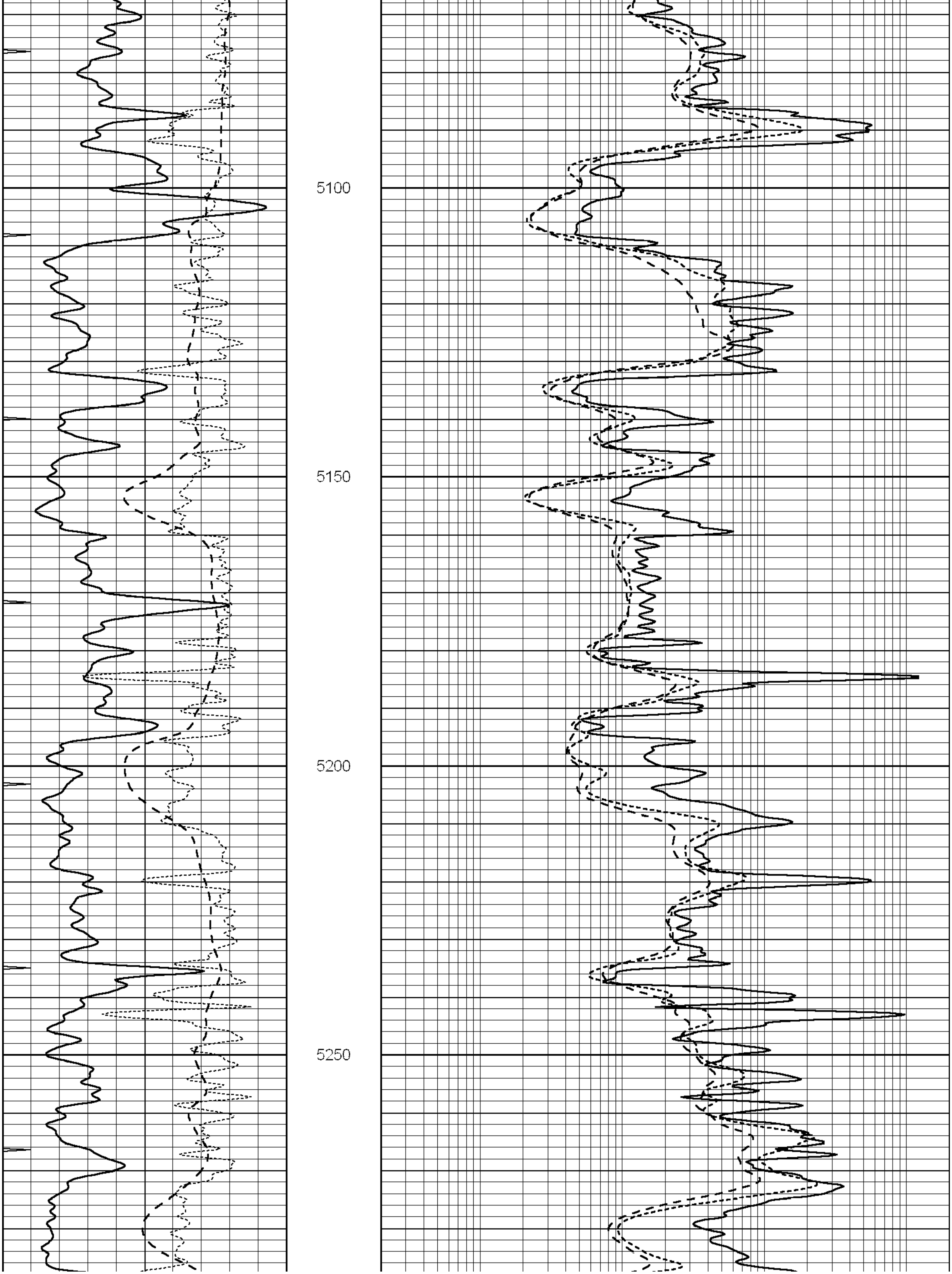
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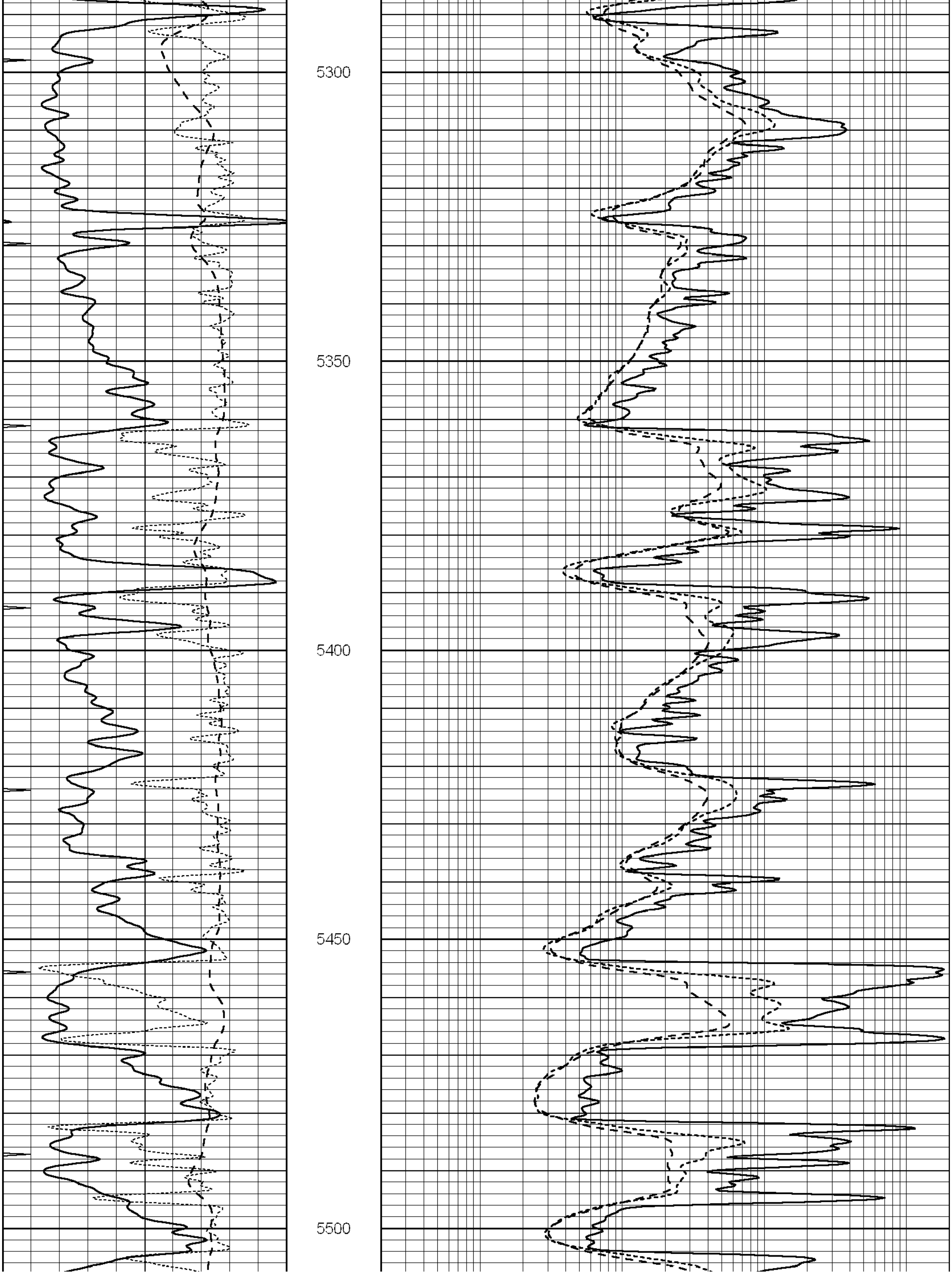
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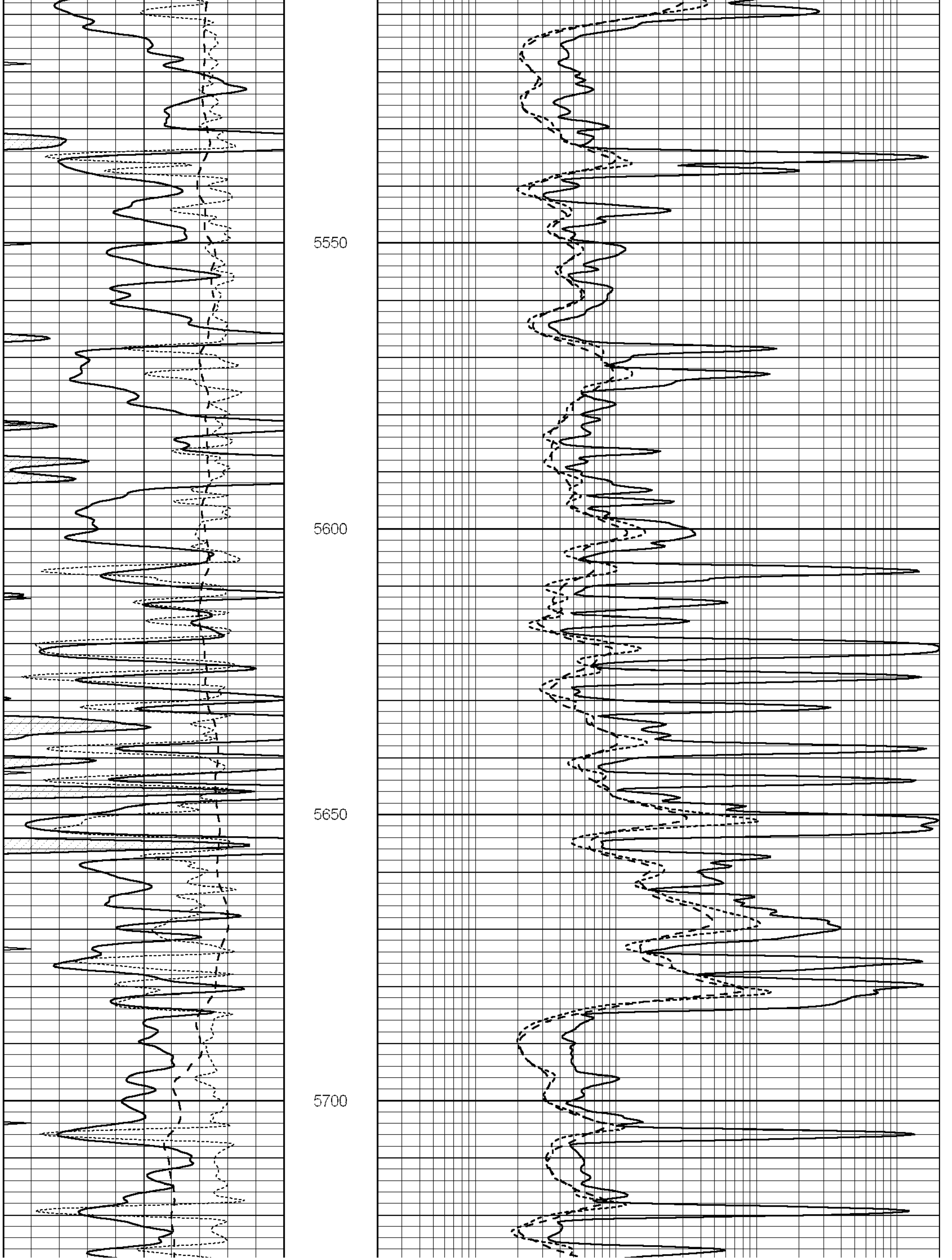
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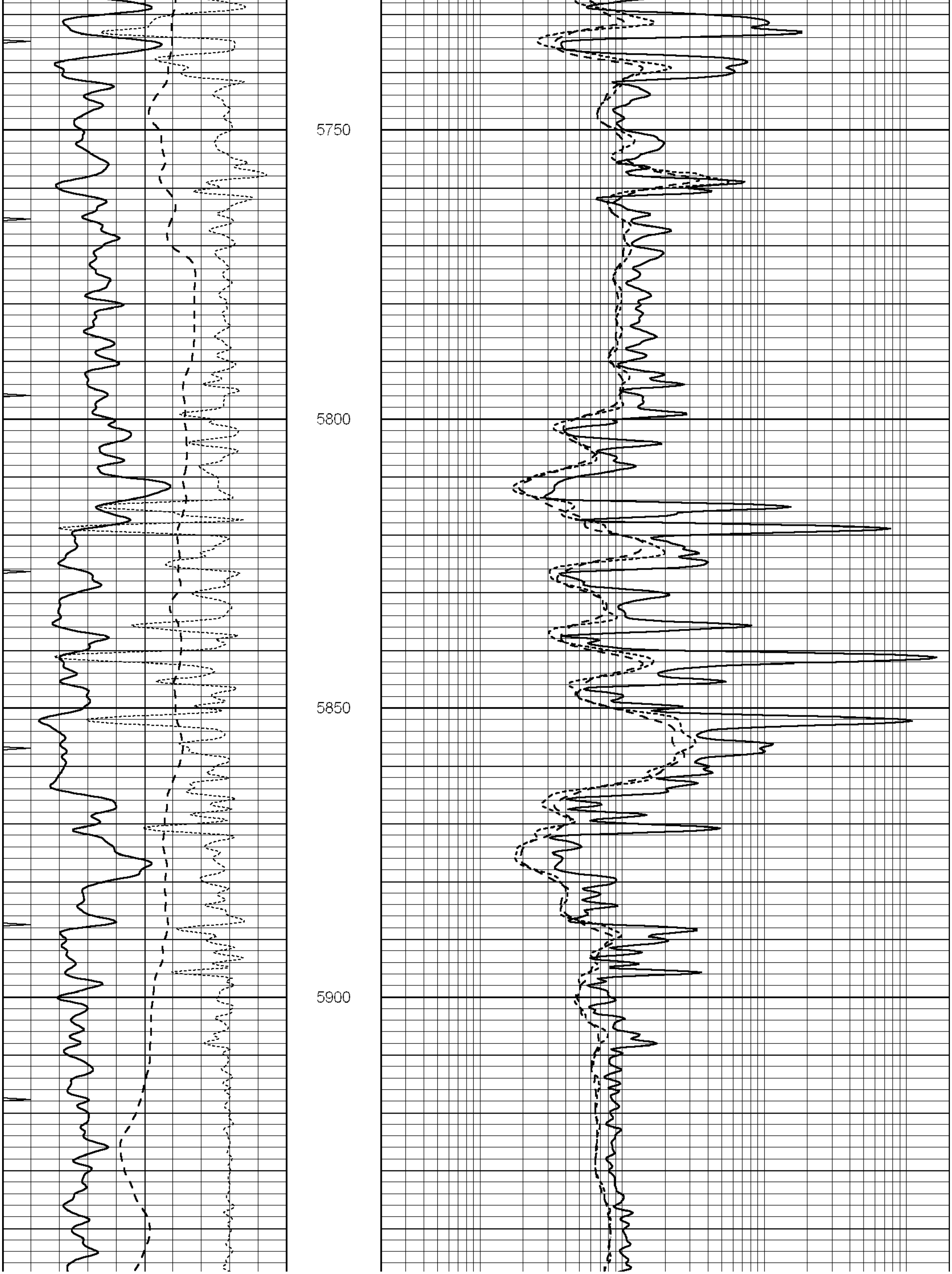
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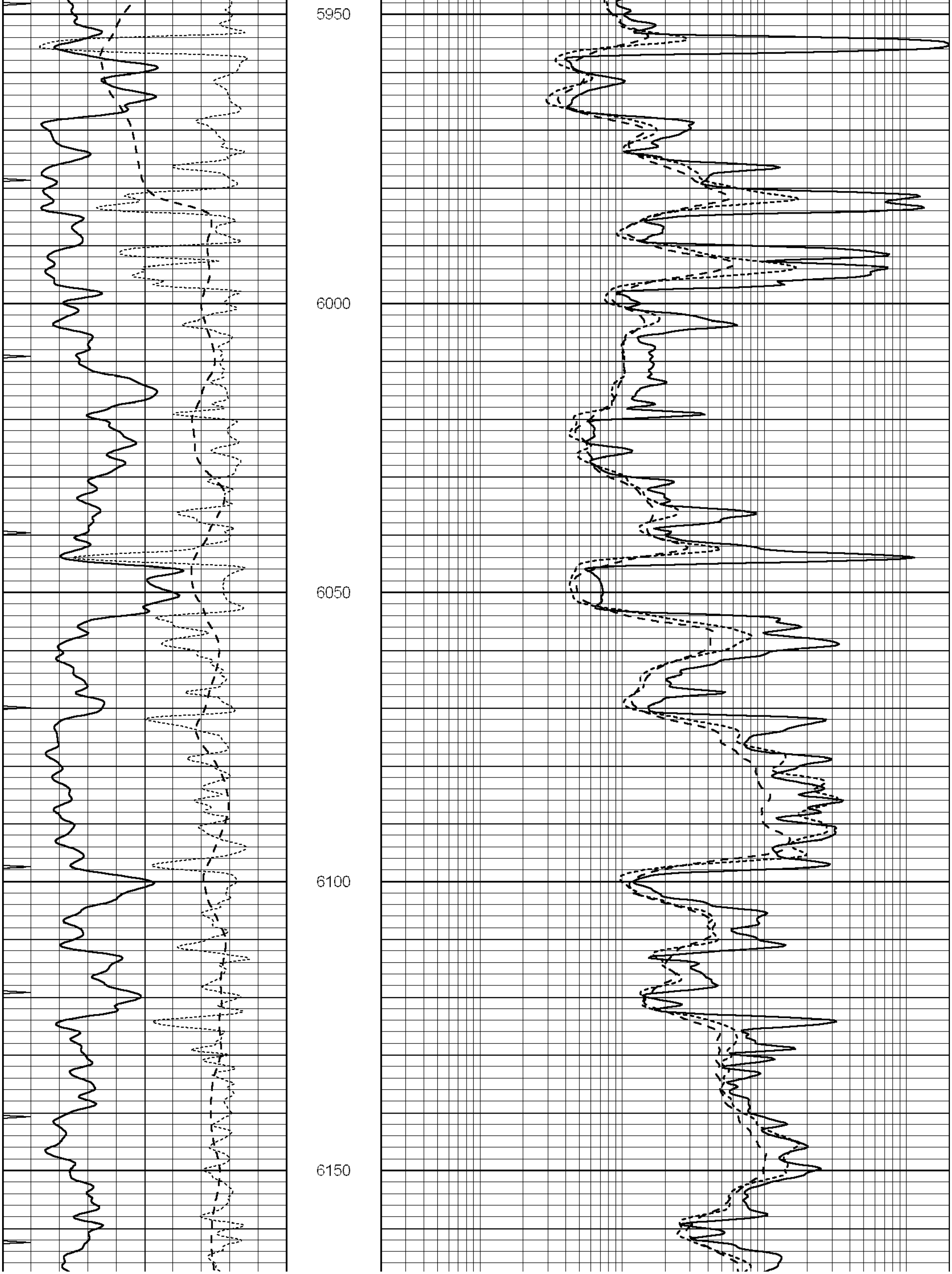
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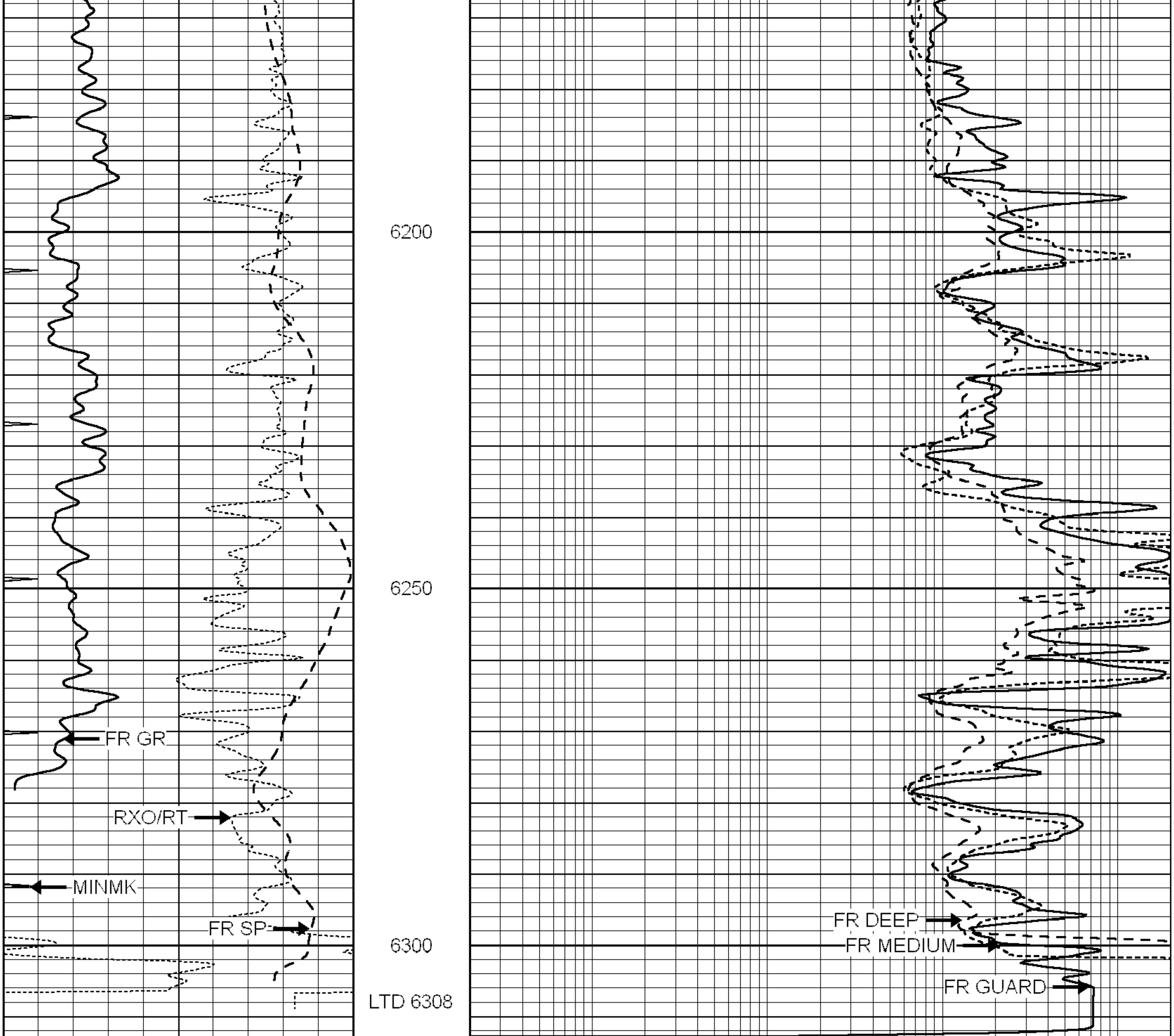


0	GAMMA RAY (GAPI)	150		0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100		0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50		0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	10				

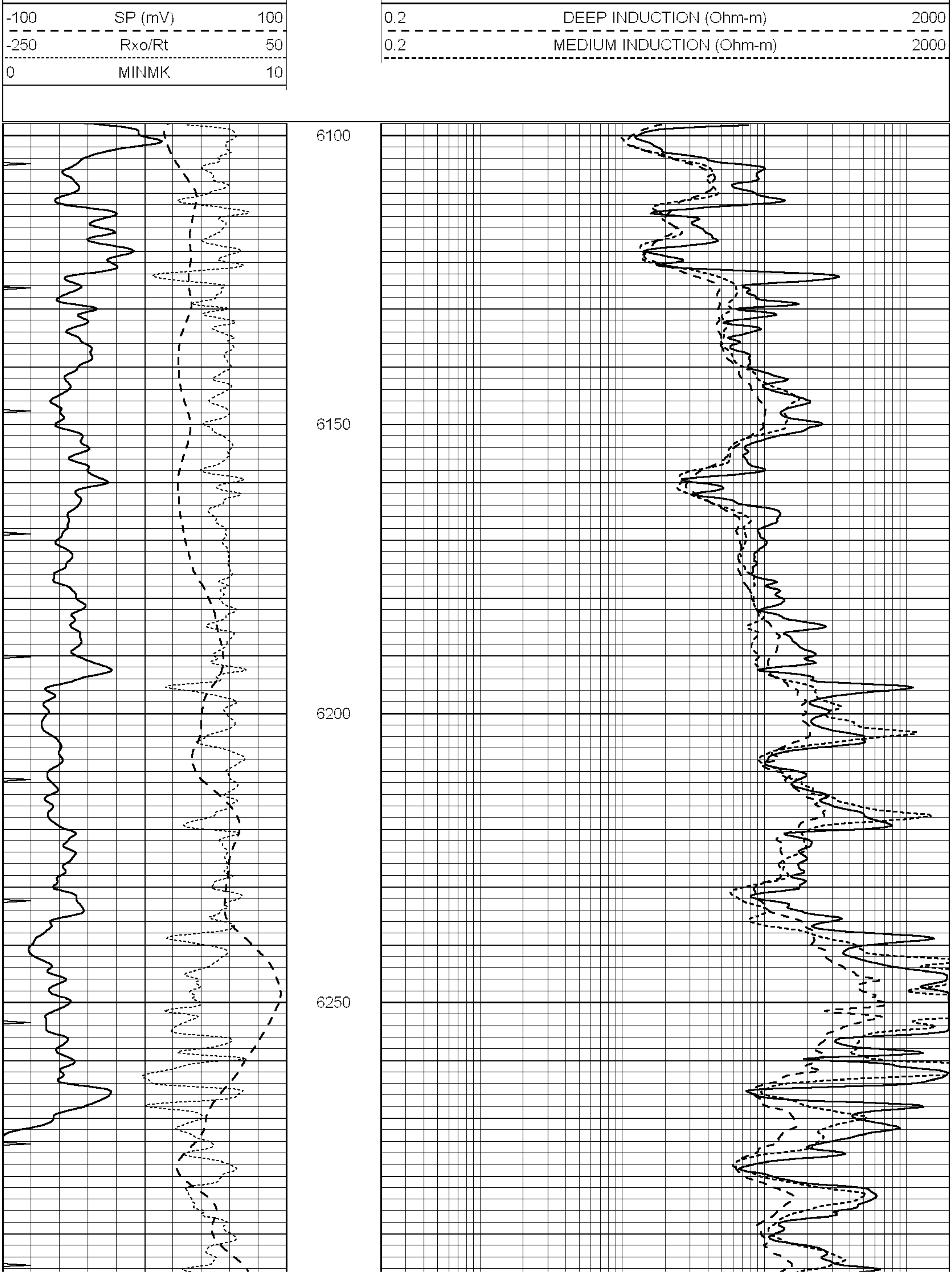
SUPERIOR WELL SERVICES

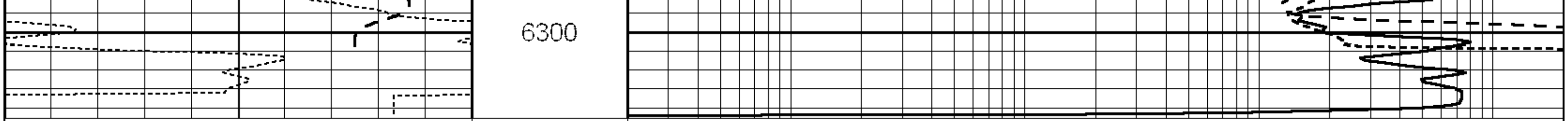
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 005983pe.db
Dataset Pathname: pass2.7
Presentation Format: dil
Dataset Creation: Sat Sep 25 14:51:16 2010 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150		0.2	SHALLOW GUARD (Ohm-m)	2000


-100 SP (mV) 100
-250 Rxo/Rt 50
0 MINMK 10
0.2 DEEP INDUCTION (Ohm-m) 2000
0.2 MEDIUM INDUCTION (Ohm-m) 2000
6100
6150
6200
6250



0	GAMMA RAY (GAPI)	150		0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100		0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50		0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	10				

Calibration Report

Database File: 005983pe.db
Dataset Pathname: pass3.6
Dataset Creation: Sat Sep 25 15:09:08 2010

Dual Induction Calibration Report

Serial-Model: DIL6-GEAR
Performed: Sat Sep 25 13:07:52 2010

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.644	V	0.000	400.000	mmho/m	660.000	-2.000
Medium	0.020	0.738	V	0.000	462.500	mmho/m	740.000	-21.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000
Medium	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000

Litho Density Calibration Report

Serial: 004N Model: PRB
Performed Tue Sep 08 13:49:55 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps
Window 4	337.3	342.8	337.4	343.7	cps
Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.2	1671.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7

Caliper

	Readings	Reference
Low Ref	1.2	6.9
High Ref	3.2	14.0

Gain: 3.6 Offset: 2.5

Compensated Neutron Calibration Report

Serial Number: NEU_4I
Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	996.00	cps	1000.00	cps	1.0000
Long Space	977.00	cps	1000.00	cps	1.0000

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Sat Sep 25 12:53:00 2010	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	1.7500	GAPI/cps