DUAL INDUCTION LOG

Company MAI OIL OPERATIONS, INC.
Well BENSON #7
Field BENSON
County PAWNEE
State KANSAS

Company MAI OIL OPERATIONS, INC.
Well BENSON #7
Field BENSON
County PAWNEE State KANSAS

Location: API # : 15-145-21879-0000
662' FNL & 1147' FWL
NE - SE - NW - NW
SEC 30 TWP 23S RGE 15W

Other Services
CDL/CNL
MEL/SON

Permanent Datum GROUND LEVEL Elevation 2038
Log Measured From KELLY BUSHING 10' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2048
D.F. 2046
G.L. 2038

Date	10/5/22		
Run Number	ONE		
Depth Driller	4175		
Depth Logger	4175		
Bottom Logged Interval	4173		
Top Log Interval	00		
Casing Driller	8 5/8"@540'		
Casing Logger	566		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 11,000 PPM	
Density / Viscosity	9.1/52		
pH / Fluid Loss	9.5/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.600 @ 70F		
Rmf @ Meas. Temp	.450 @ 70F		
Rmc @ Meas. Temp	.720 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.356 @ 118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	3:30 P.M.		
Maximum Recorded Temperature	118F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	JIM MUSGROVE		

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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 ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

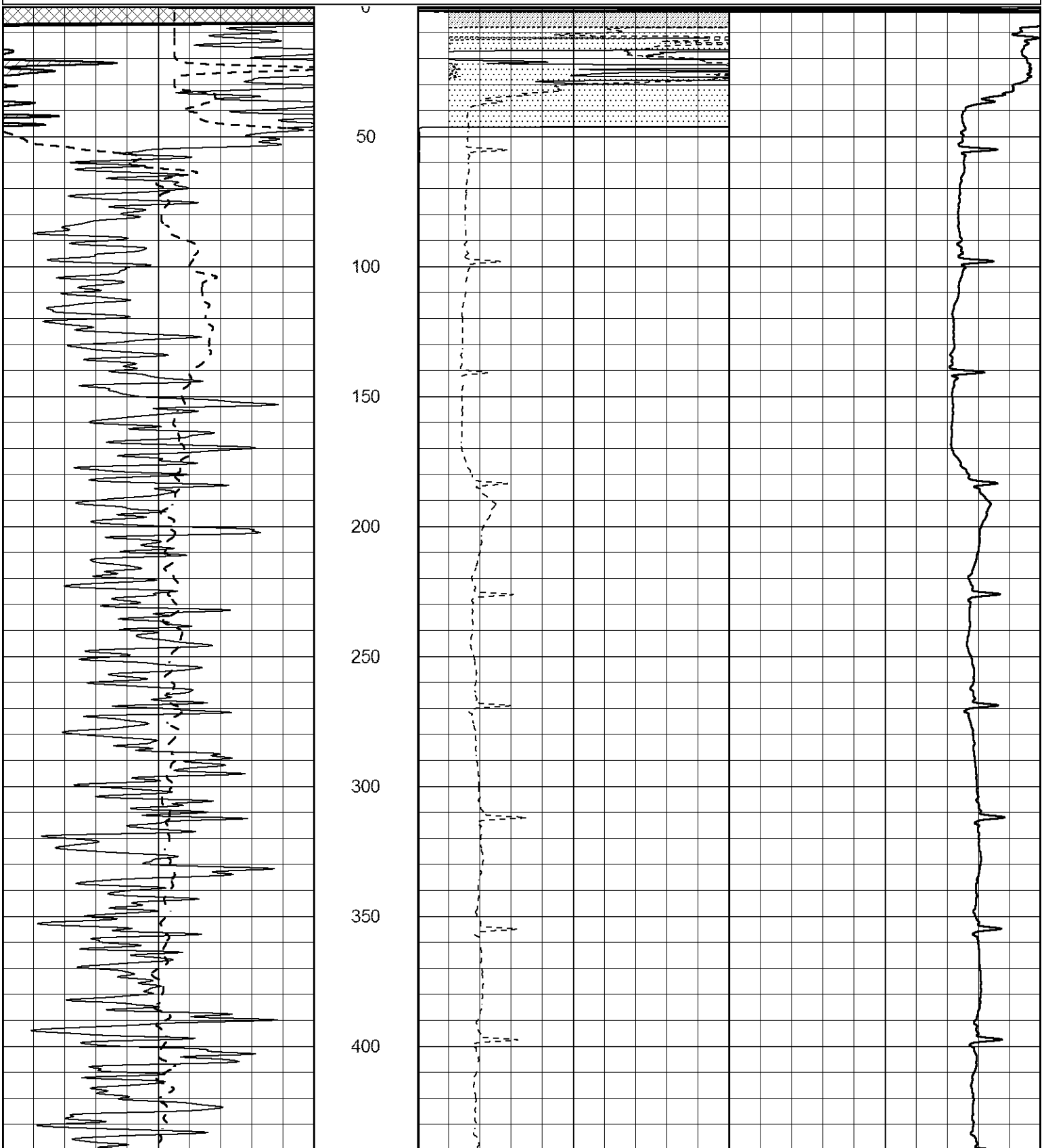
DIRECTIONS:
FROM MACKSVILLE, KANSAS GO 5 MILES NORTH, 2 3/4 MILES WEST, SOUTH INTO

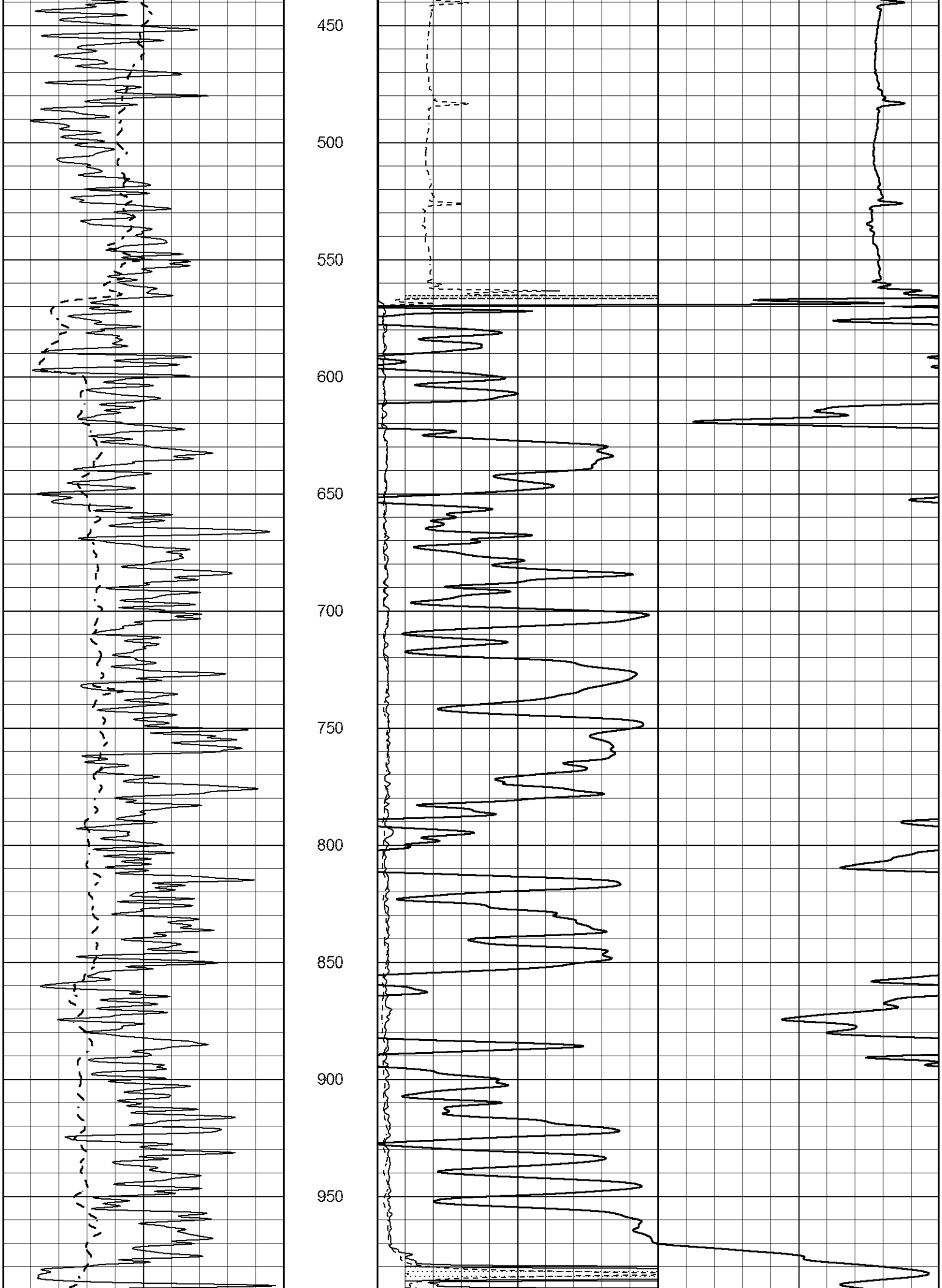
MAIN SECTION

Database File	7228ddn.db
Dataset Pathname	pass3M
Presentation Format	_dil2
Dataset Creation	Wed Oct 05 18:09:04 2022
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

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800
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900
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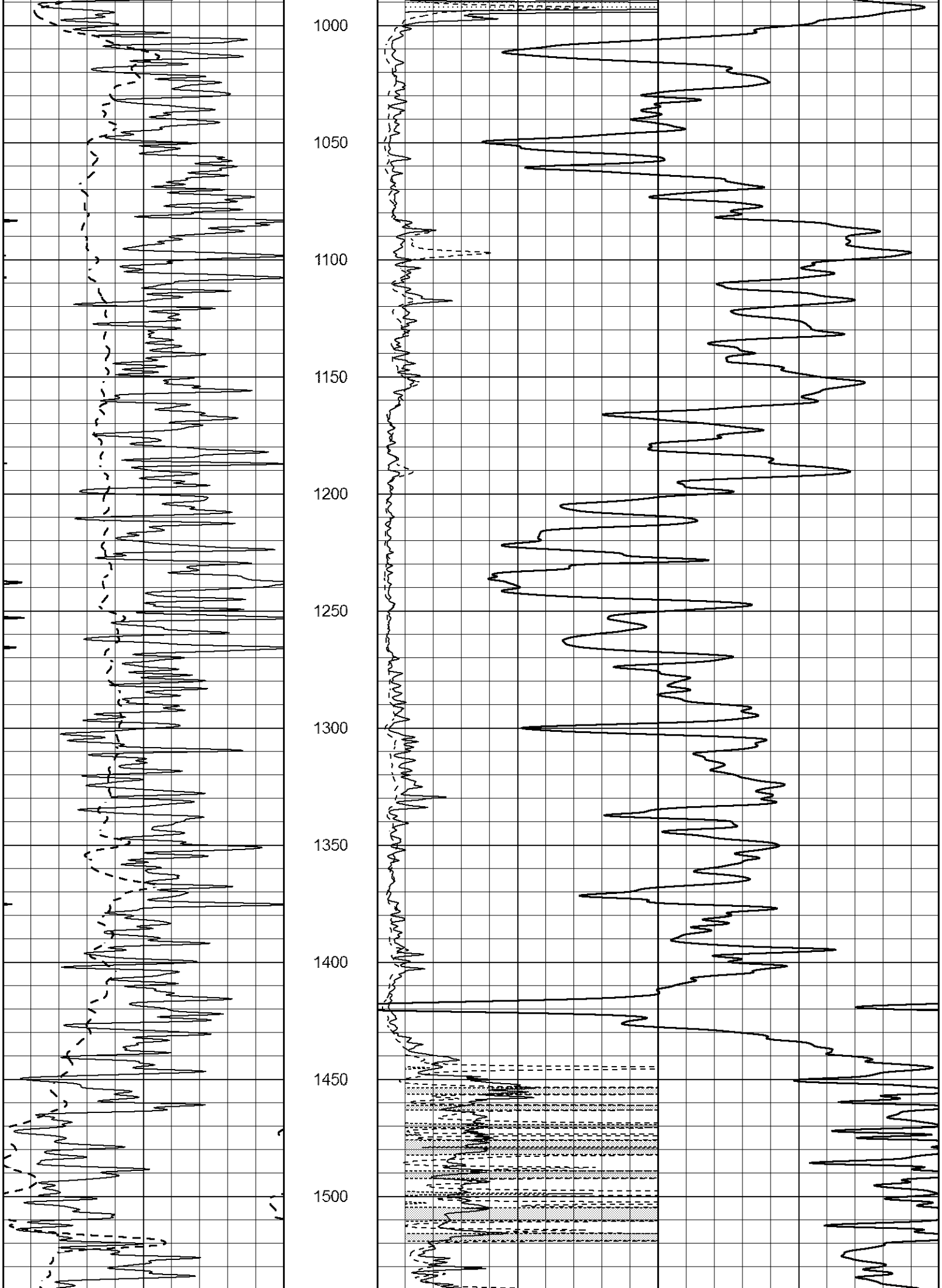
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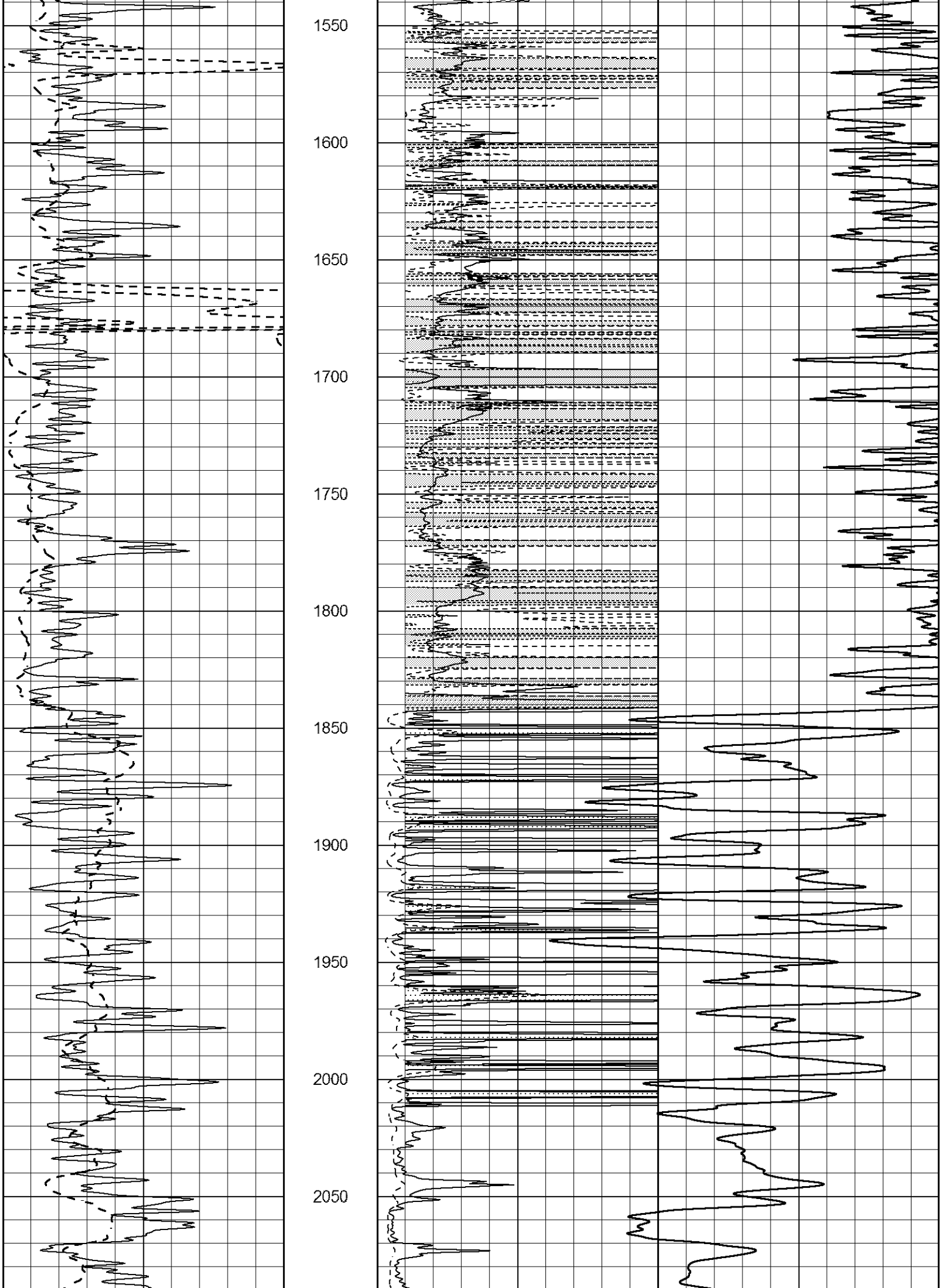
1300
1350
1400
1450
1500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1850
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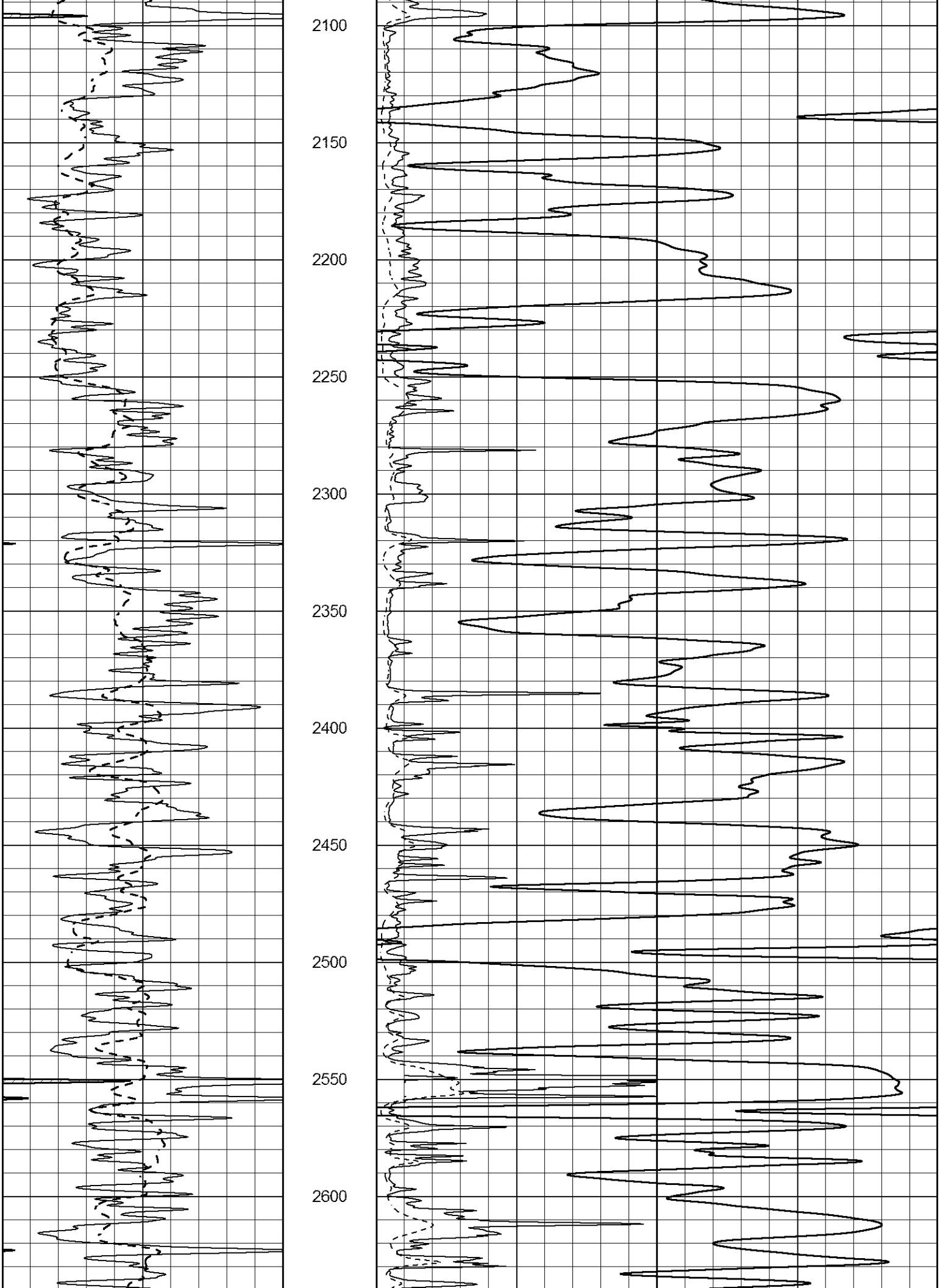
2050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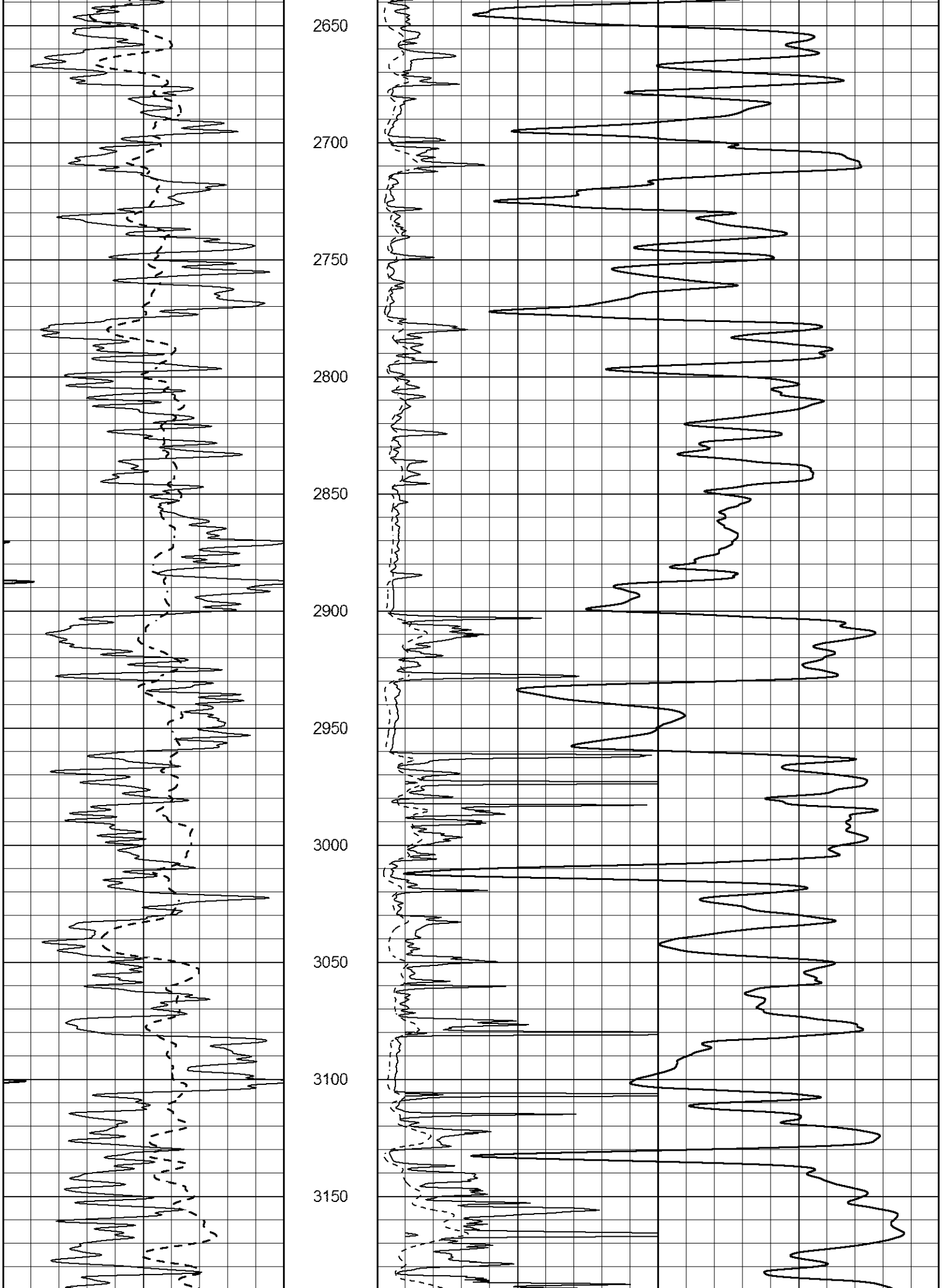
2300
2350
2400
2450
2500
2550
2600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2900
2950
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3050
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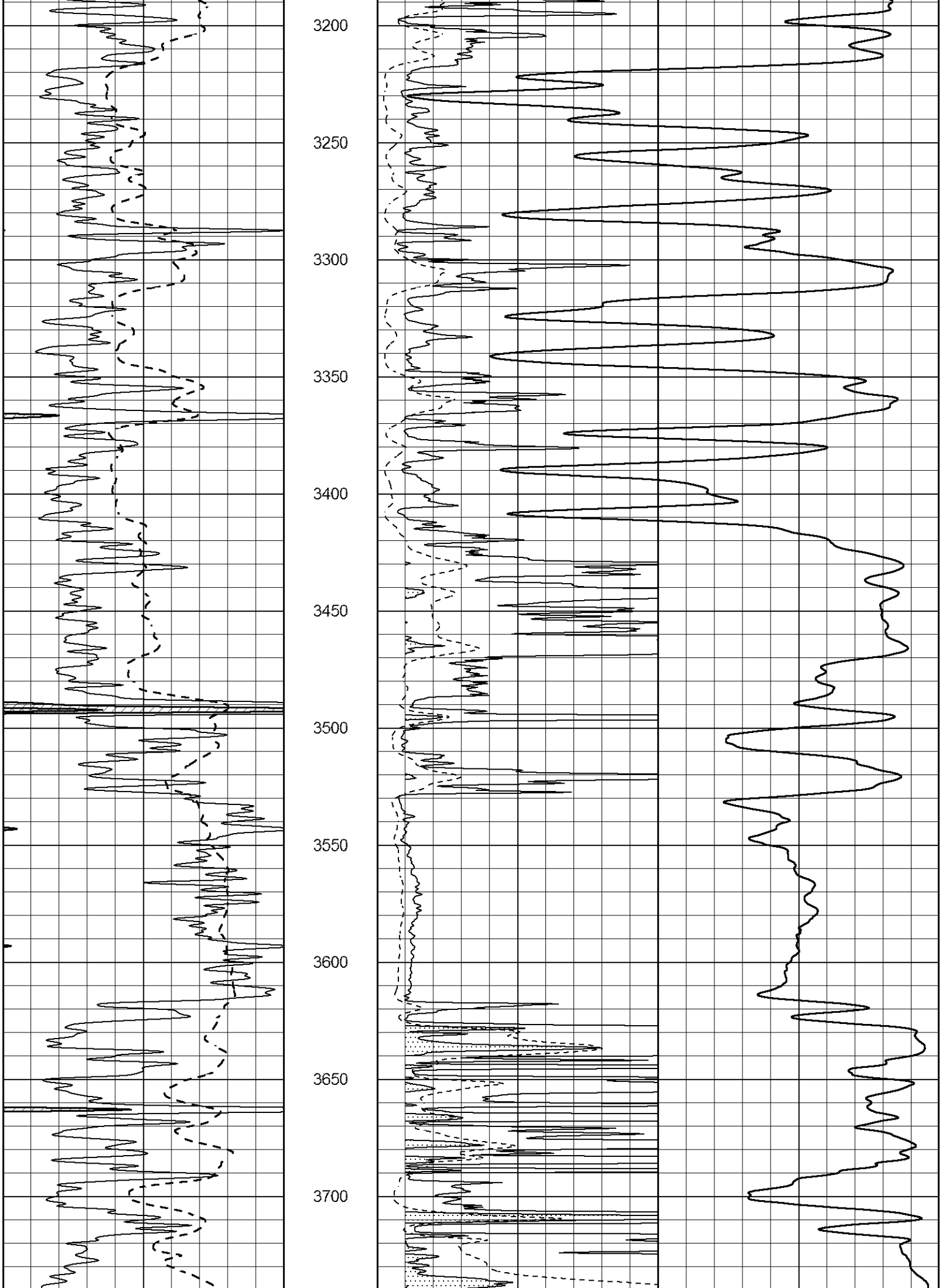
3150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3350
3400
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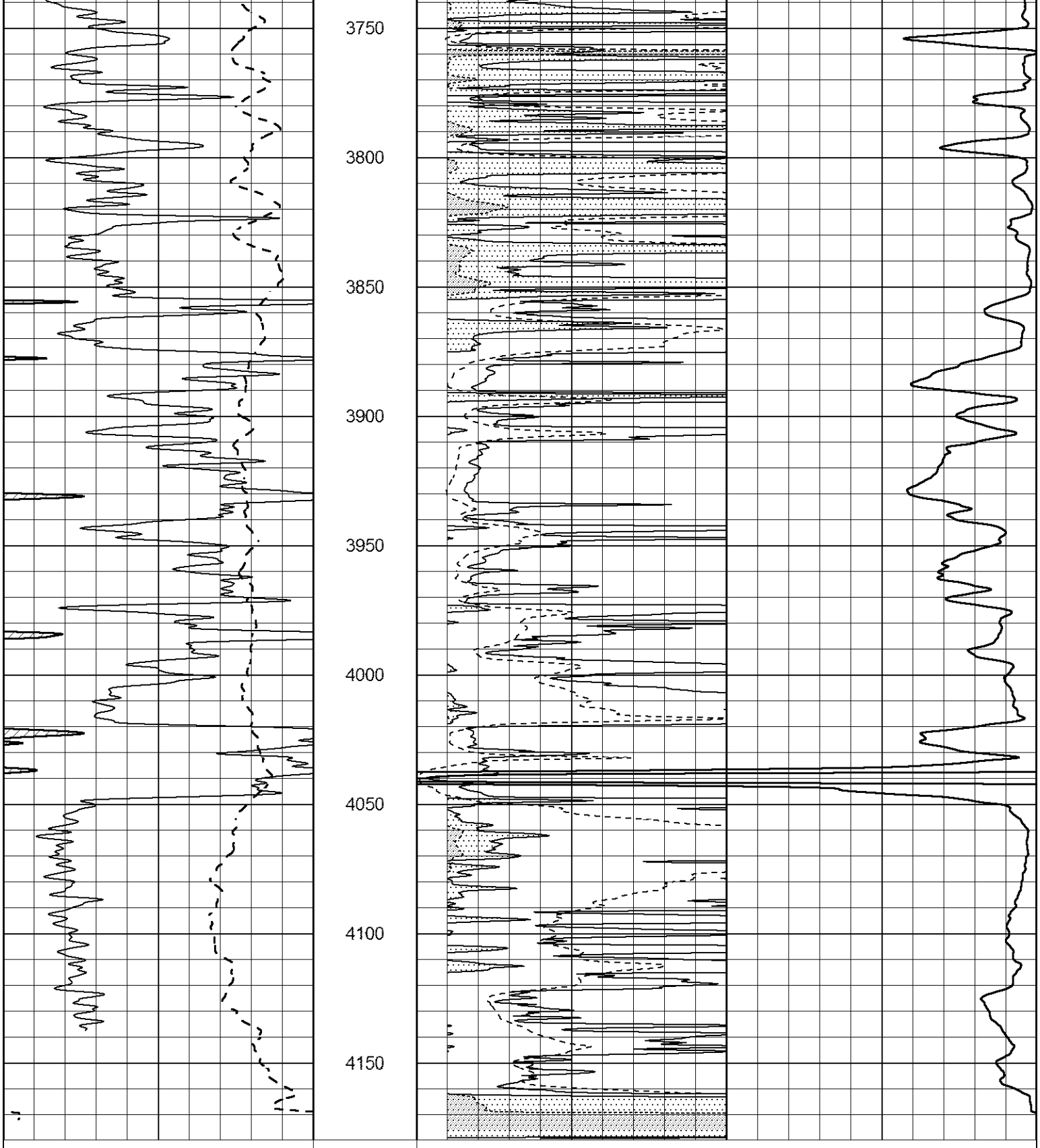
3500
3550
3600
3650
3700

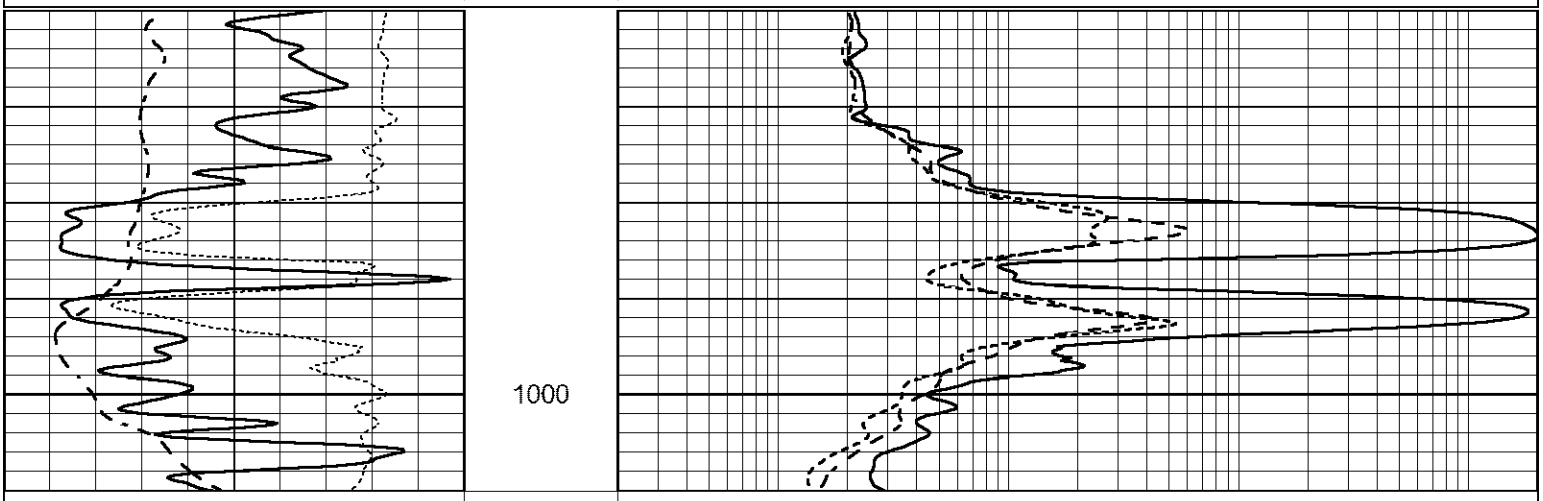

3750
3800
3850
3900
3950
4000
4050
4100
4150
0 Gamma Ray (GAPI) 150
-100 SP (mV) 100
1000 CILD (mmho/m) 0
0 RLL3 (Ohm-m) 50
0 Deep Induction (Ohm-m) 50
50 RILD X10 (Ohm-m) 500
50 RLL3 X10 (Ohm-m) 500

ANHYDRITE

Database File	7228ddn.db
Dataset Pathname	pass3A
Presentation Format	_dil
Dataset Creation	Wed Oct 05 17:56:35 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

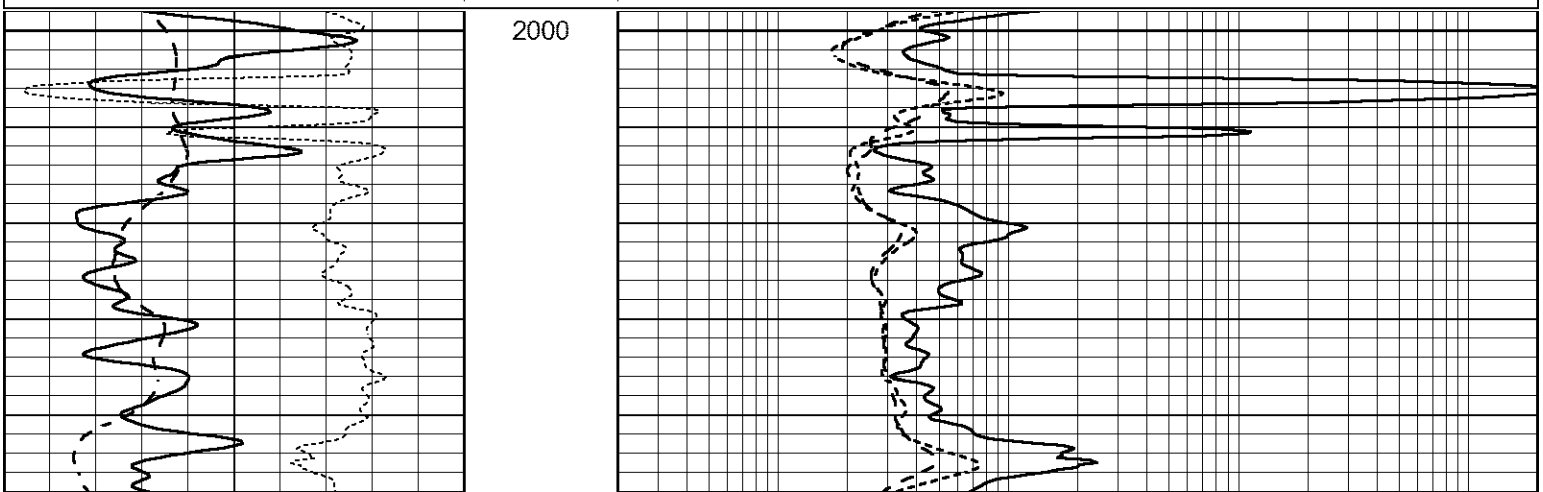
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

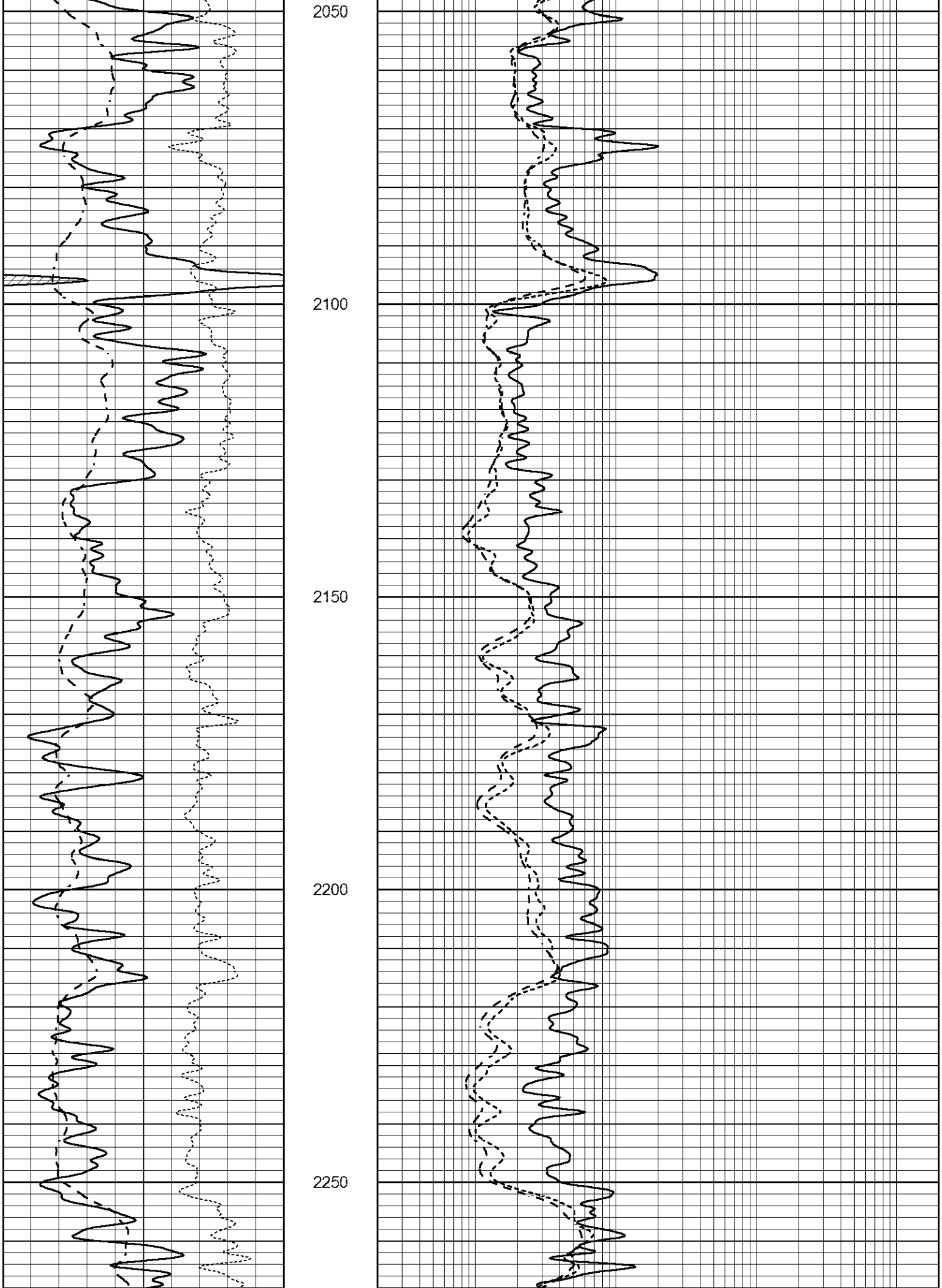
MAIN SECTION

Database File	7228ddn.db
Dataset Pathname	pass3DT
Presentation Format	_dil
Dataset Creation	Wed Oct 05 17:21:59 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

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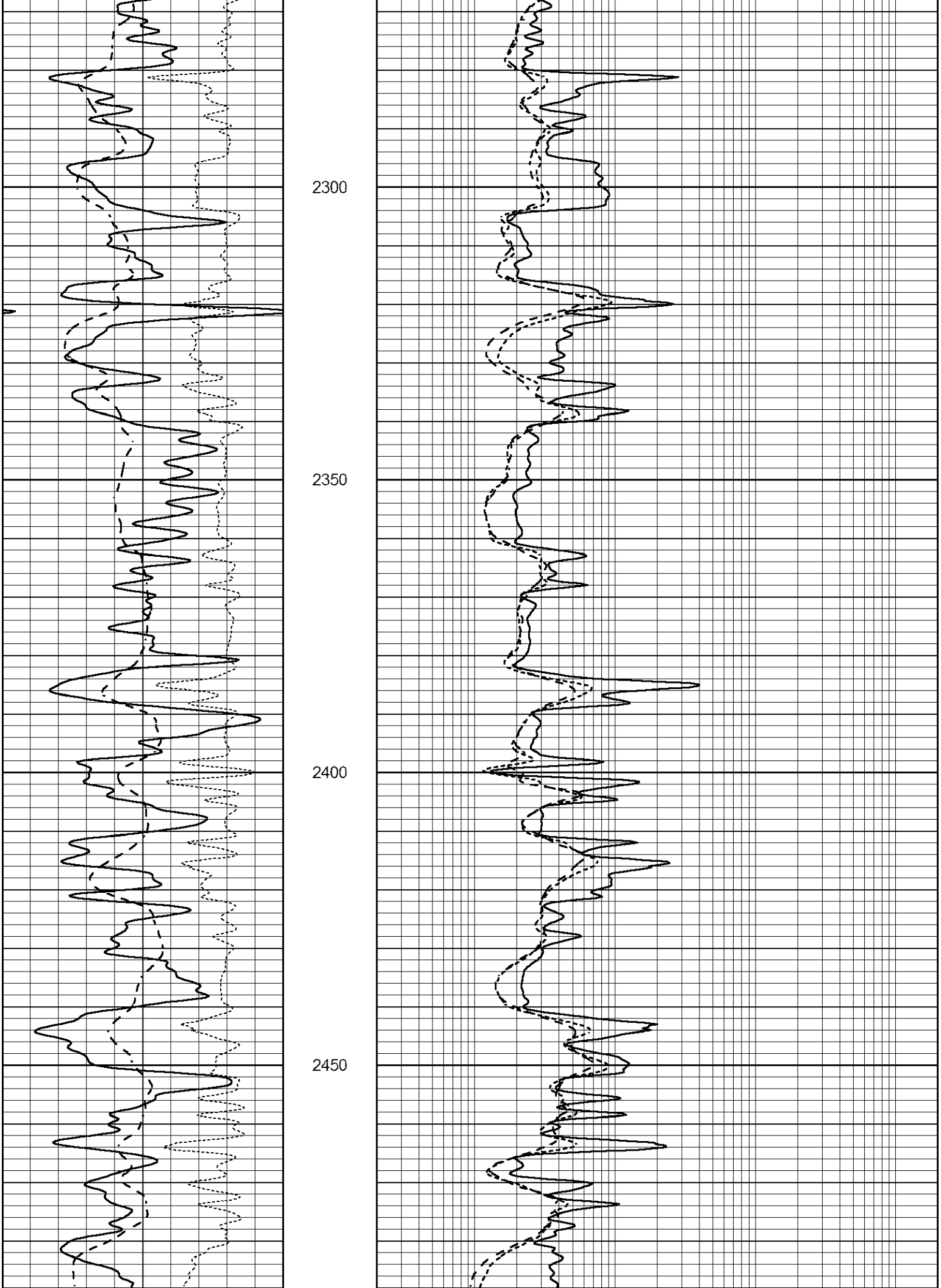
2200
2250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2350
2400
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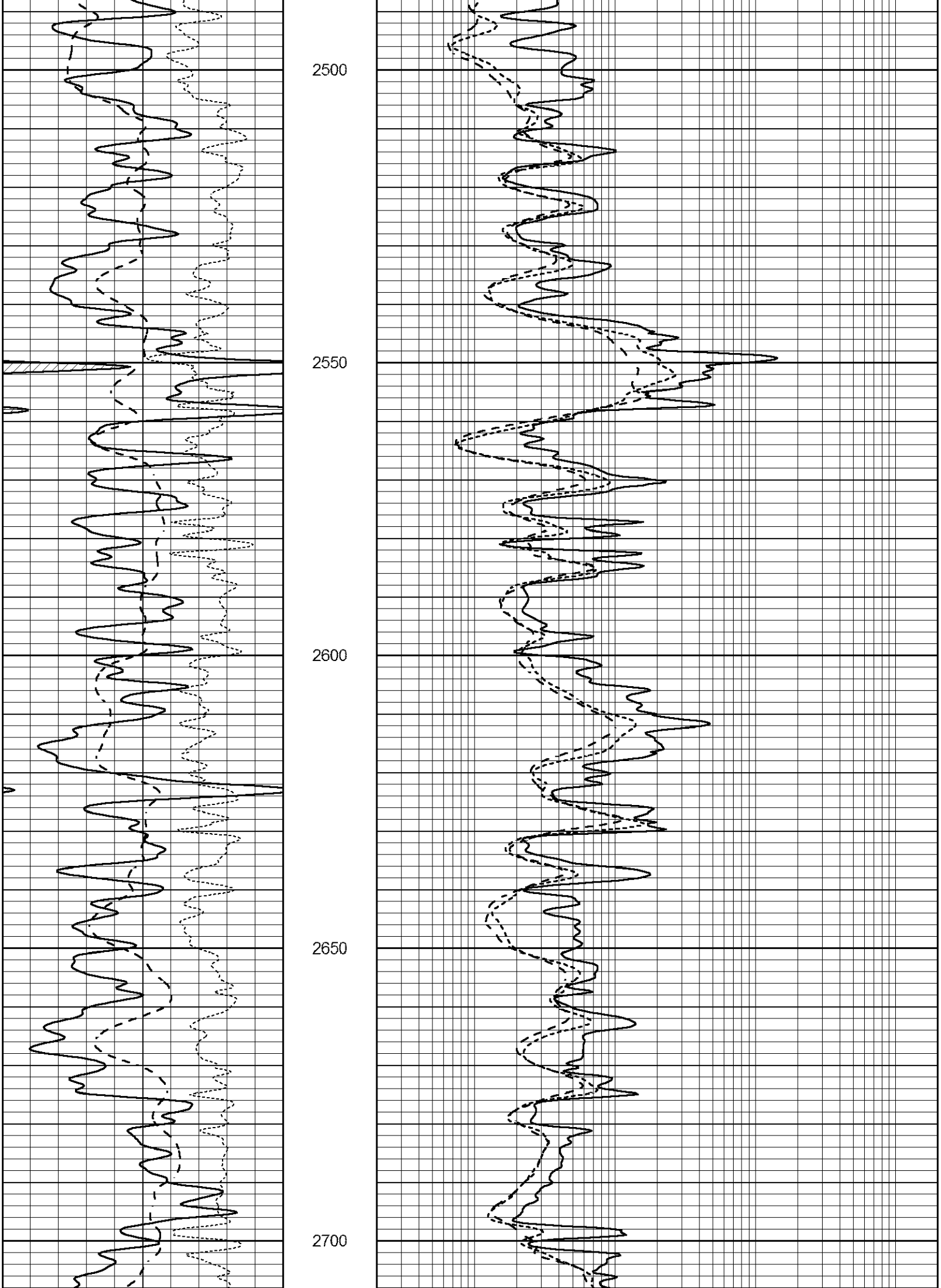
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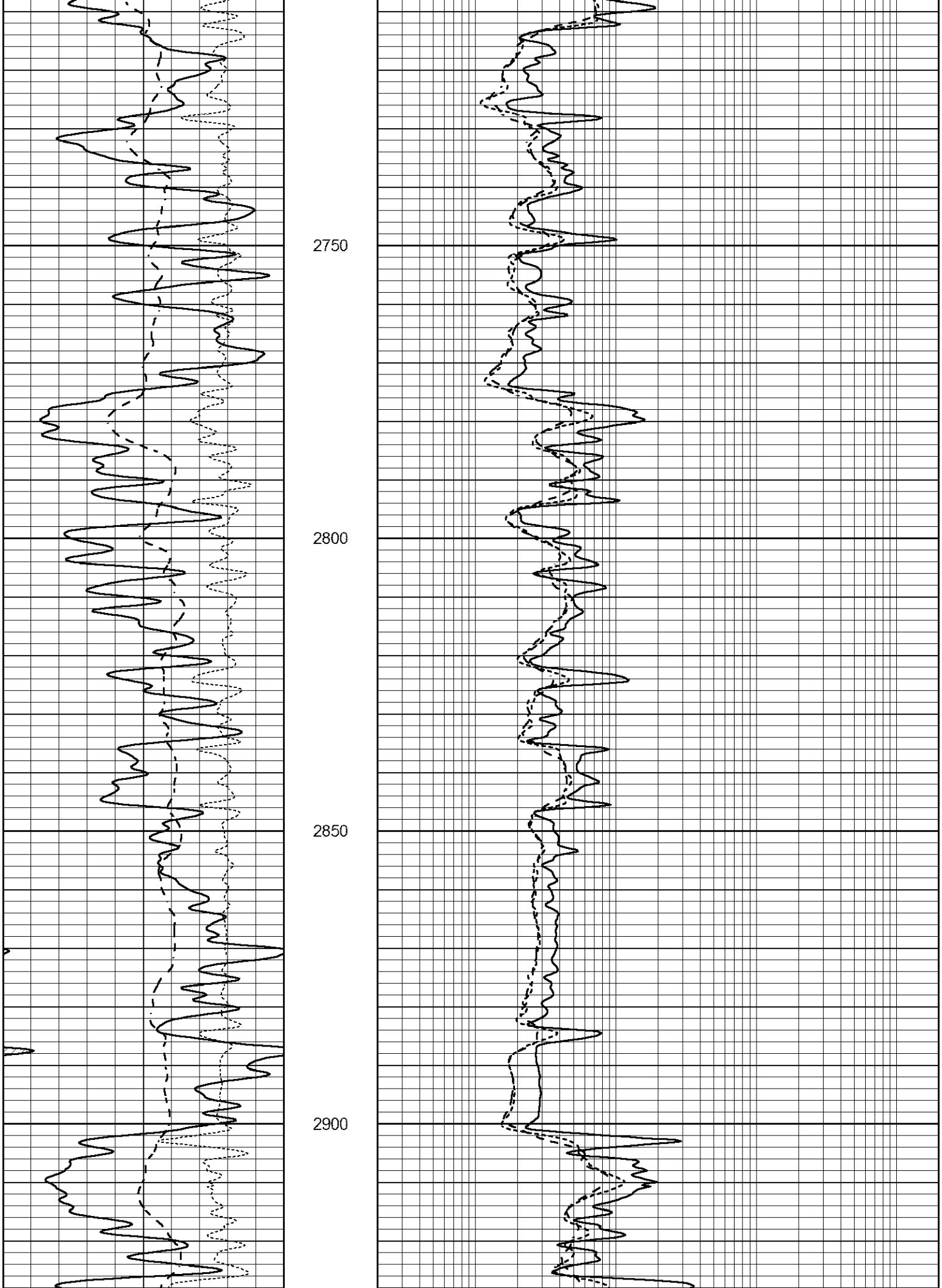
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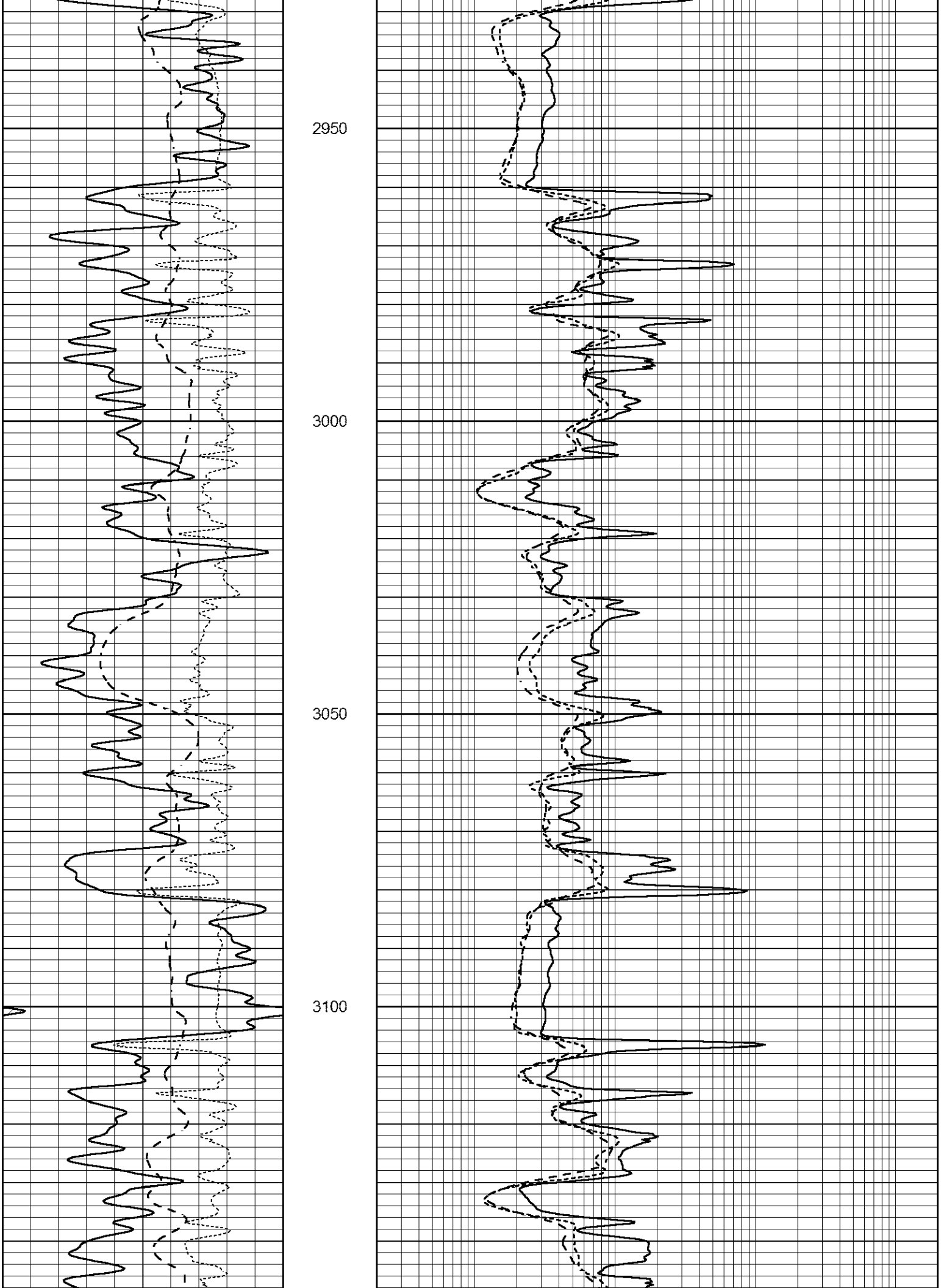
2800
2850
2900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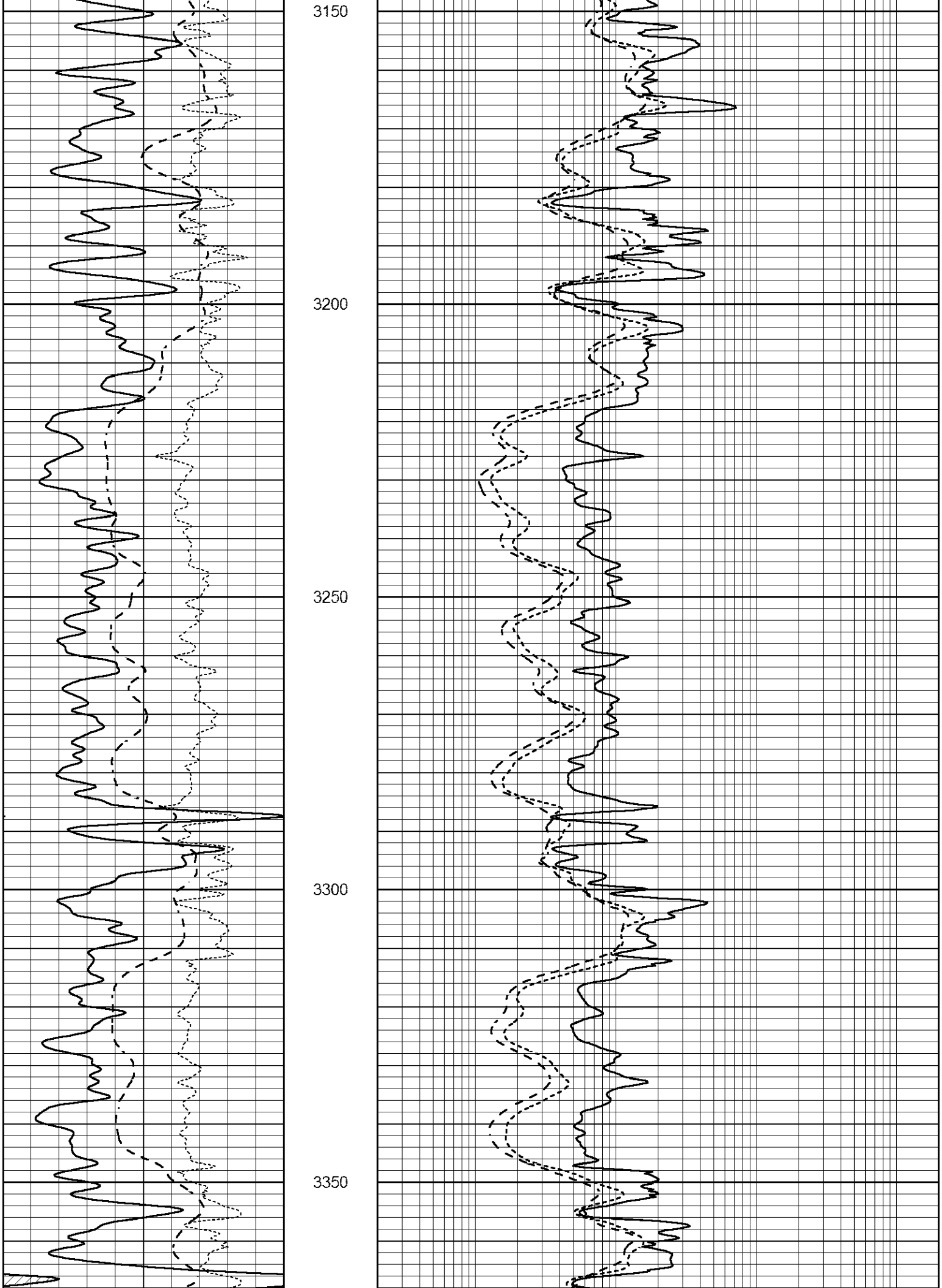
3050
3100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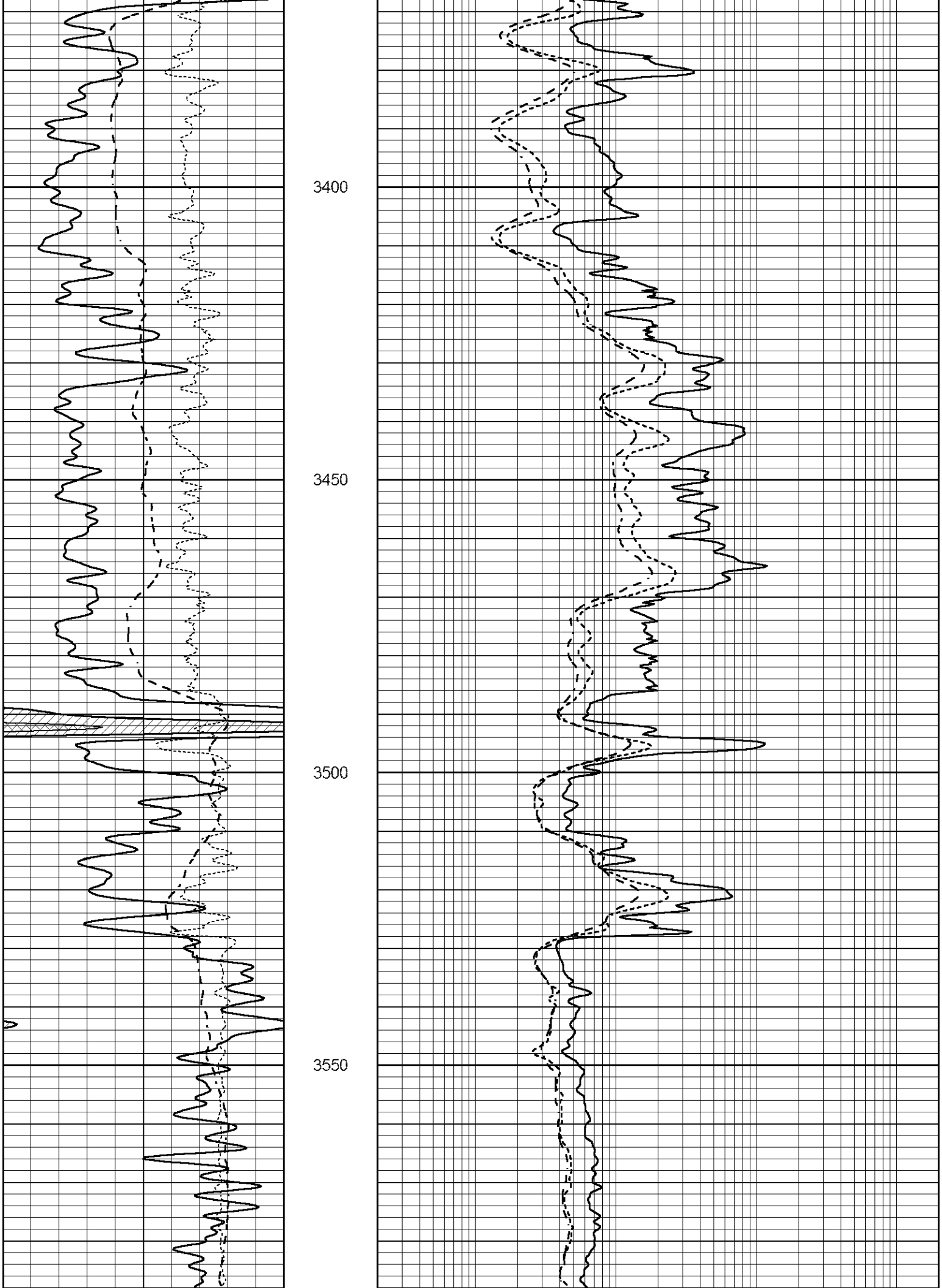
3300
3350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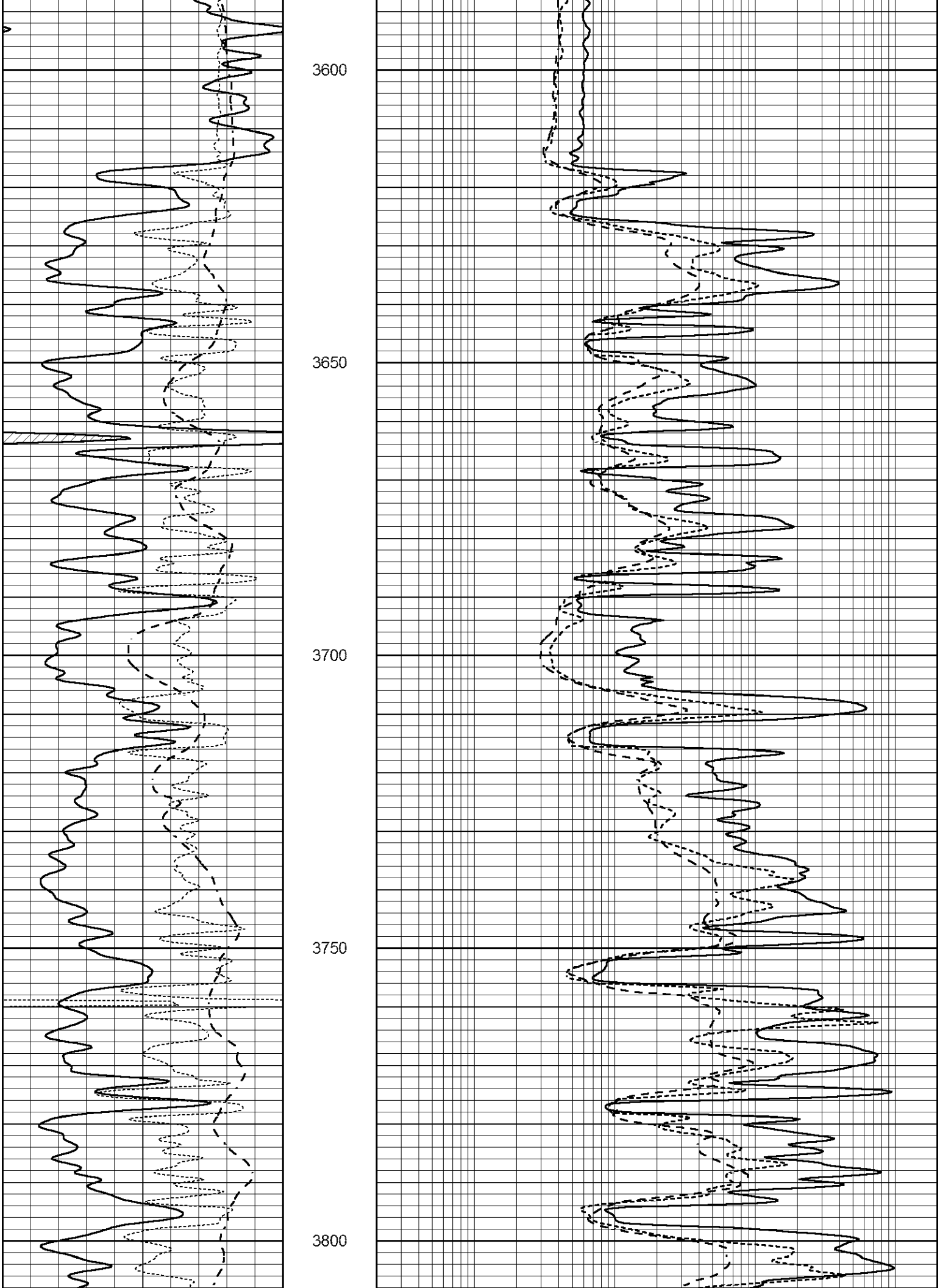
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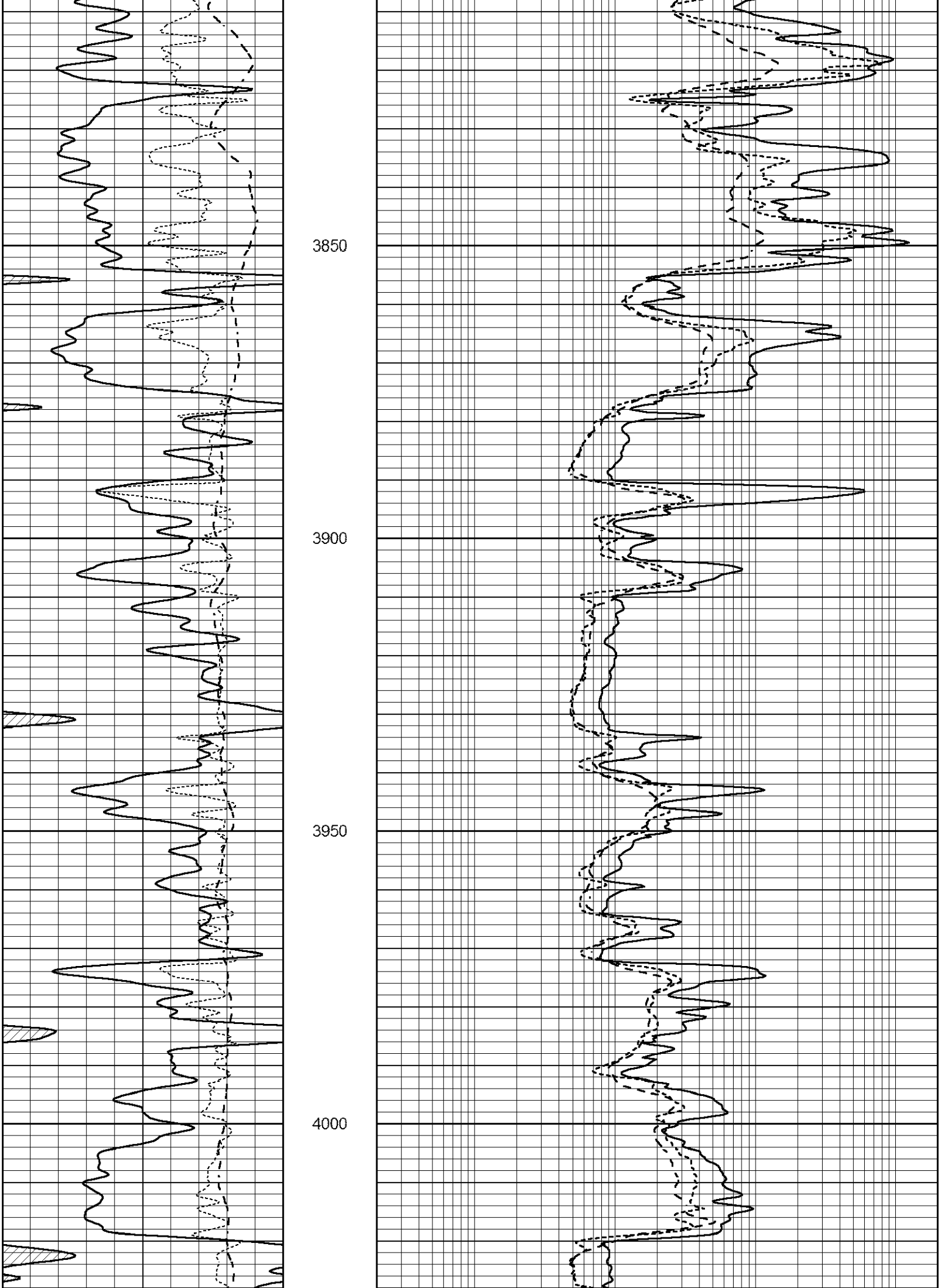
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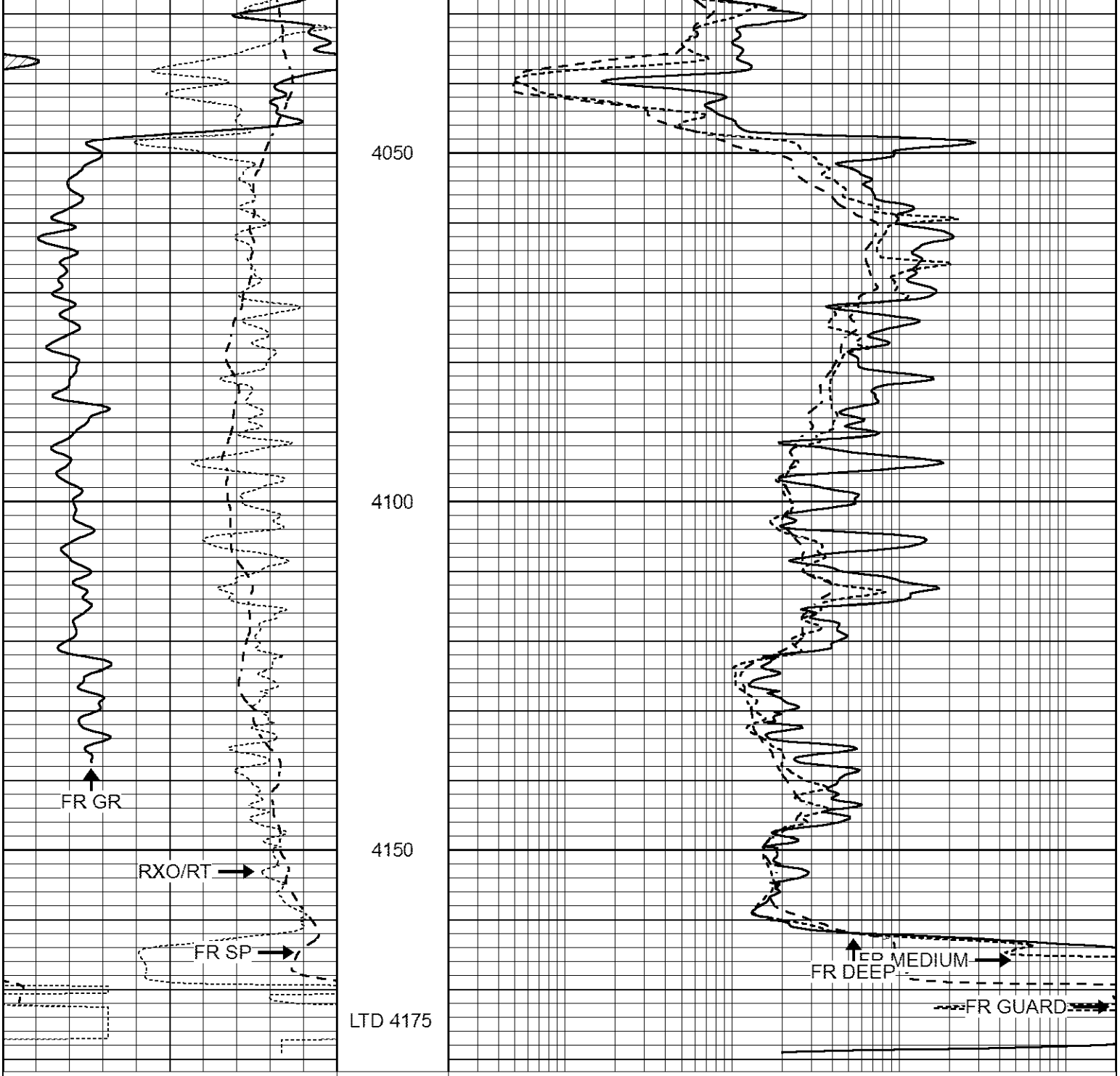


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

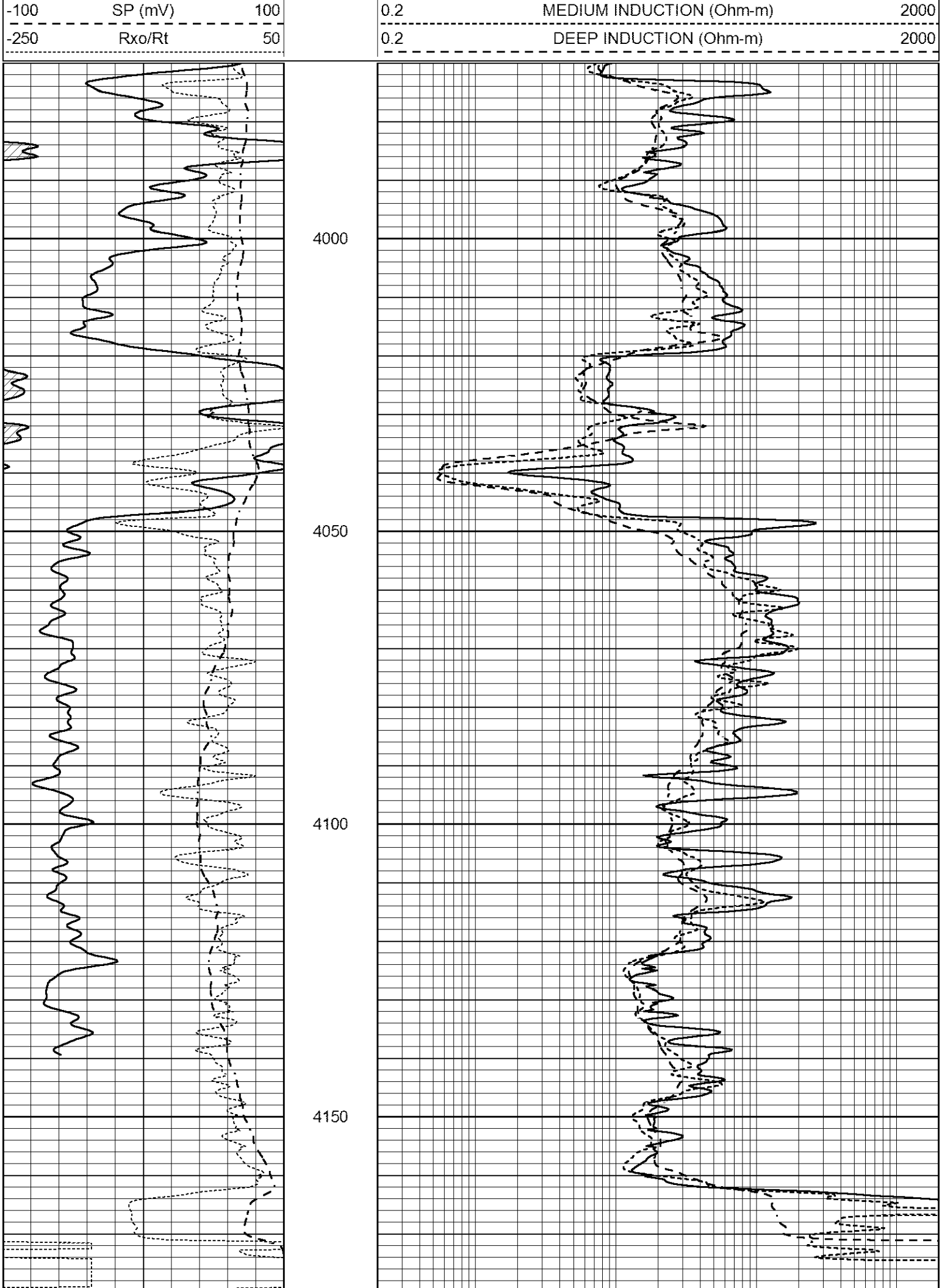
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

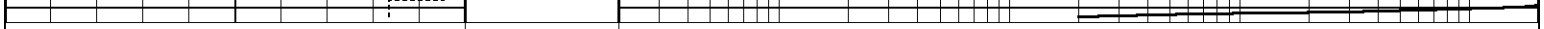
REPEAT SECTION

Database File	7228ddn.db
Dataset Pathname	pass2DIL
Presentation Format	_dil
Dataset Creation	Wed Oct 05 16:32:06 2022
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
0.2
MEDIUM INDUCTION (Ohm-m)
2000
0.2
DEEP INDUCTION (Ohm-m)
2000
4000
4050
4100
4150



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

Calibration Report

Database File 7228ddn.db
Dataset Pathname pass3M
Dataset Creation Wed Oct 05 18:09:04 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Thu Jun 30 01:48:00 2022
Downhole Cal Performed: Tue Feb 19 11:44:24 2019
After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	710.000	-3.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	690.000	-10.500
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report

Serial: 005 Model: Litho_Ver3

Master Calibration

Performed Fri May 13 13:54:[illegible]2022

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1363.1	46477.8	11515.9	9589.9	cps
Window 2	1239.4	36488.4	9270.1	7998.9	cps
Window 3	1044.3	20488.1	5500.7	4913.3	cps
Window 4	315.7	358.7	321.5	319.5	cps
Long Space	0.0	35249.0	8030.7	6759.4	cps
Short Space	1.4	9675.7	6523.4	5391.9	cps
Rho		1.7100	2.5900	0.0000	g/cc

Pe		2.0000	2.7500	5.7900

Rib Angle	: 45.1	Rib Slope	: 1.003	Density/Spine Ratio	: 0.575
Spine Angle	: 75.1	Spine Slope	: 3.752	Spine Intercept	: -24.0

Before Survey Verification — Performed Wed Dec 31 18:00:00 1969

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

After Survey Verification — Performed Wed Dec 31 18:00:00 1969

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report

Serial Number: 080621PMC
Tool Model: NABORS

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number: 7
Tool Model: Probe1
Performed: Thu May 26 08:56:46 2022

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.5500 GAPI/cps