DUAL INDUCTION LOG

Company PICKRELL DRILLING COMPANY, INC.
Well BORGER "I" #1
Field SCHABEN
County NESS
State KANSAS

Company PICKRELL DRILLING COMPANY, INC.

Well BORGER "I" #1

Field SCHABEN

County NESS State KANSAS

Location: API # : 15-135-26141-0000

1300' FNL & 2245' FWL

SEC 25 TWP 19S RGE 22W

Other Services
CDL/CNL/PE
MEL

Permanent Datum GROUND LEVEL Elevation 2280
Log Measured From KELLY BUSHING 7' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2287
D.F. 2285
G.L. 2280

Date	1/24/22		
Run Number	ONE		
Depth Driller	4500		
Depth Logger	4499		
Bottom Logged Interval	4497		
Top Log Interval	00		
Casing Driller	8 5/8" @ 222		
Casing Logger	222		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9800 PPM	
Density / Viscosity	9.4/48		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60 @ 60F		
Rmf @ Meas. Temp	.45 @ 60F		
Rmc @ Meas. Temp	.72 @ 60F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.29 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	121F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	AARON YOUNG		

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Comments

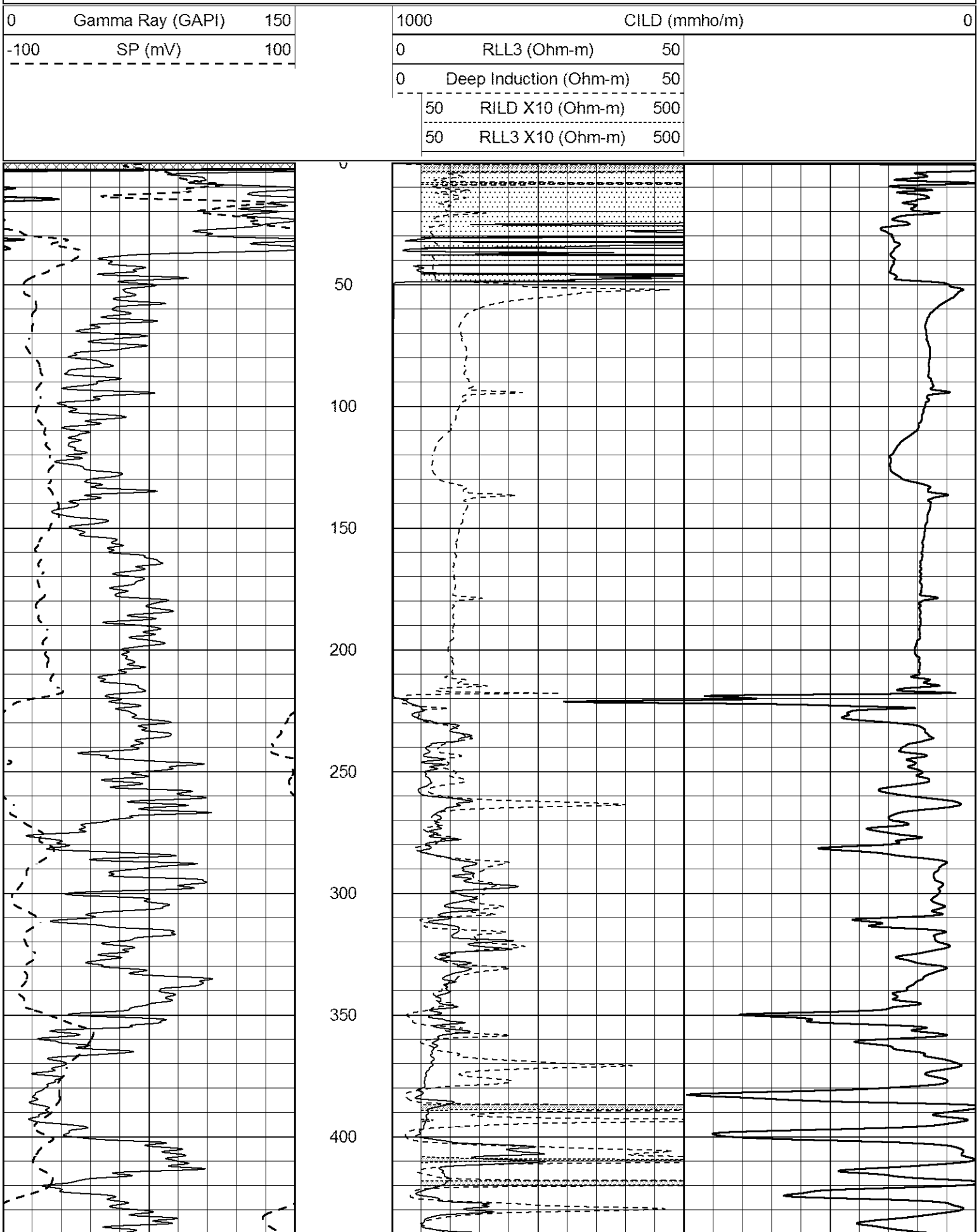
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

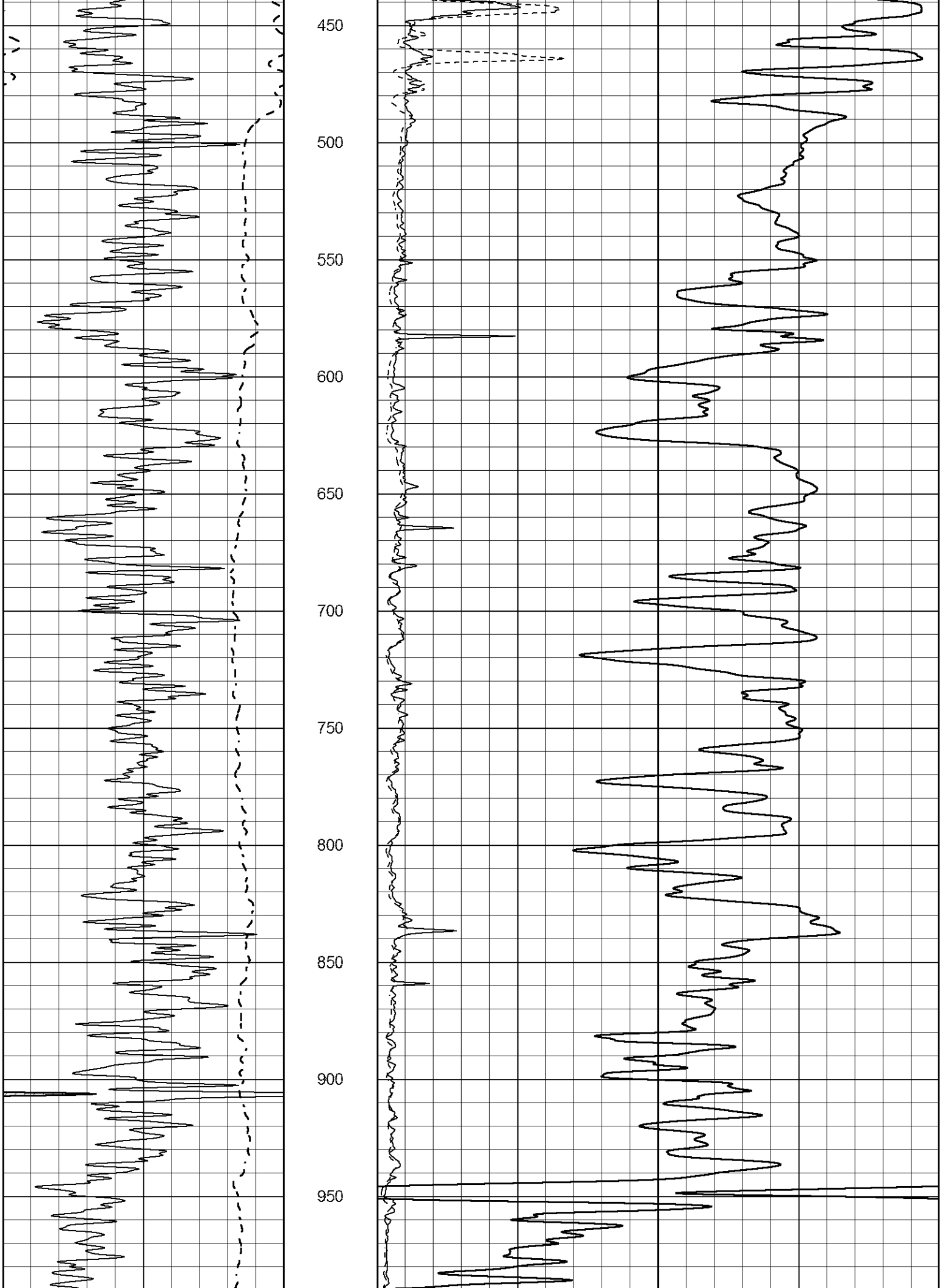
DIRECTIONS

BAZINE, KS. - WEST SIDE OF TOWN TO AUSTIN ST. - 6 SOUTH TO RD. 70
1/2 WEST - 3/4 NORTH INTO

MAIN SECTION

Database File	6231pe.db
Dataset Pathname	pass3.3
Presentation Format	_dil2
Dataset Creation	Mon Jan 24 06:25:22 2022
Charted by	Depth in Feet scaled 1:600

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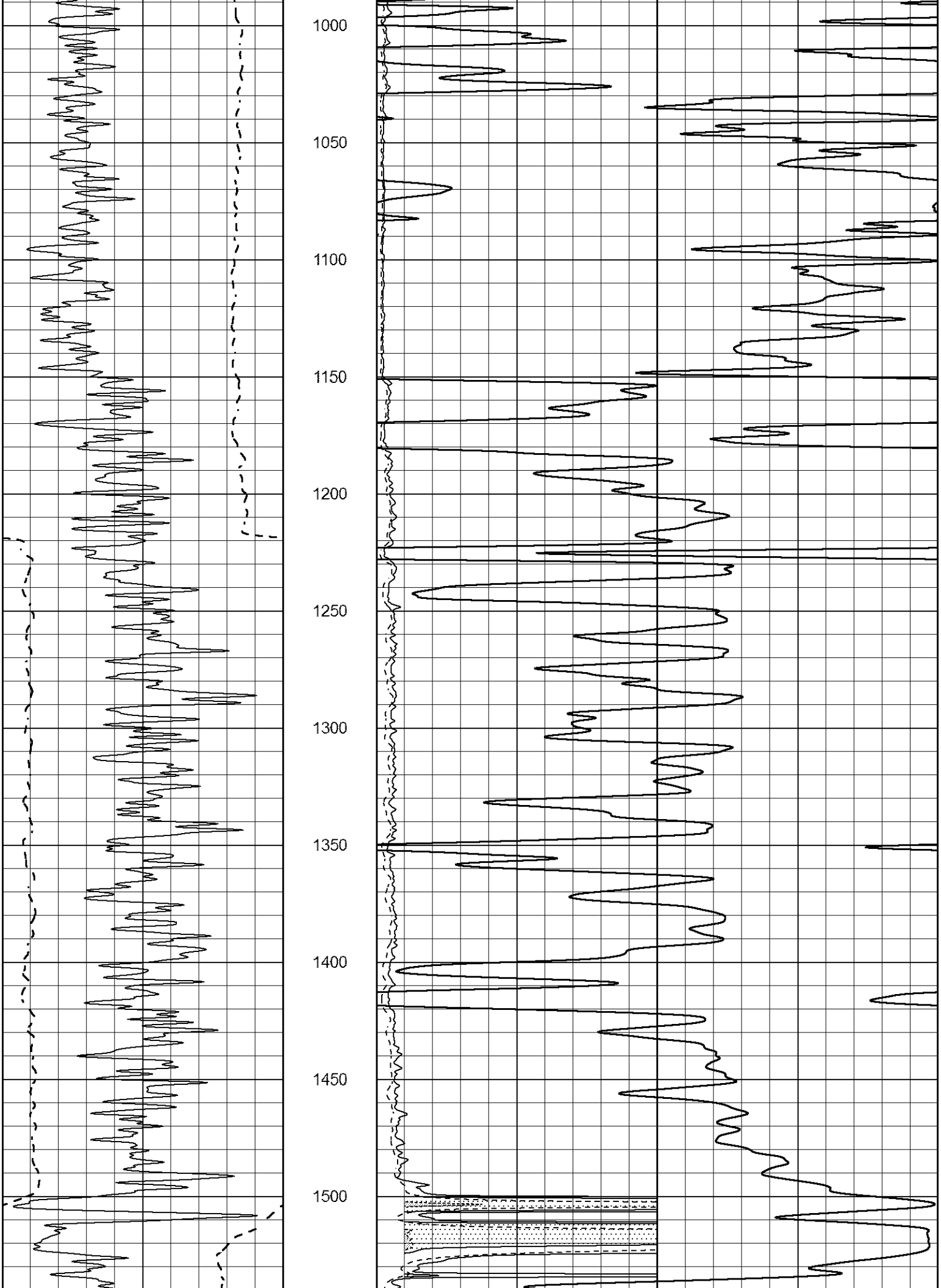
500
550
600
650
700
750
800
850
900
950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1100
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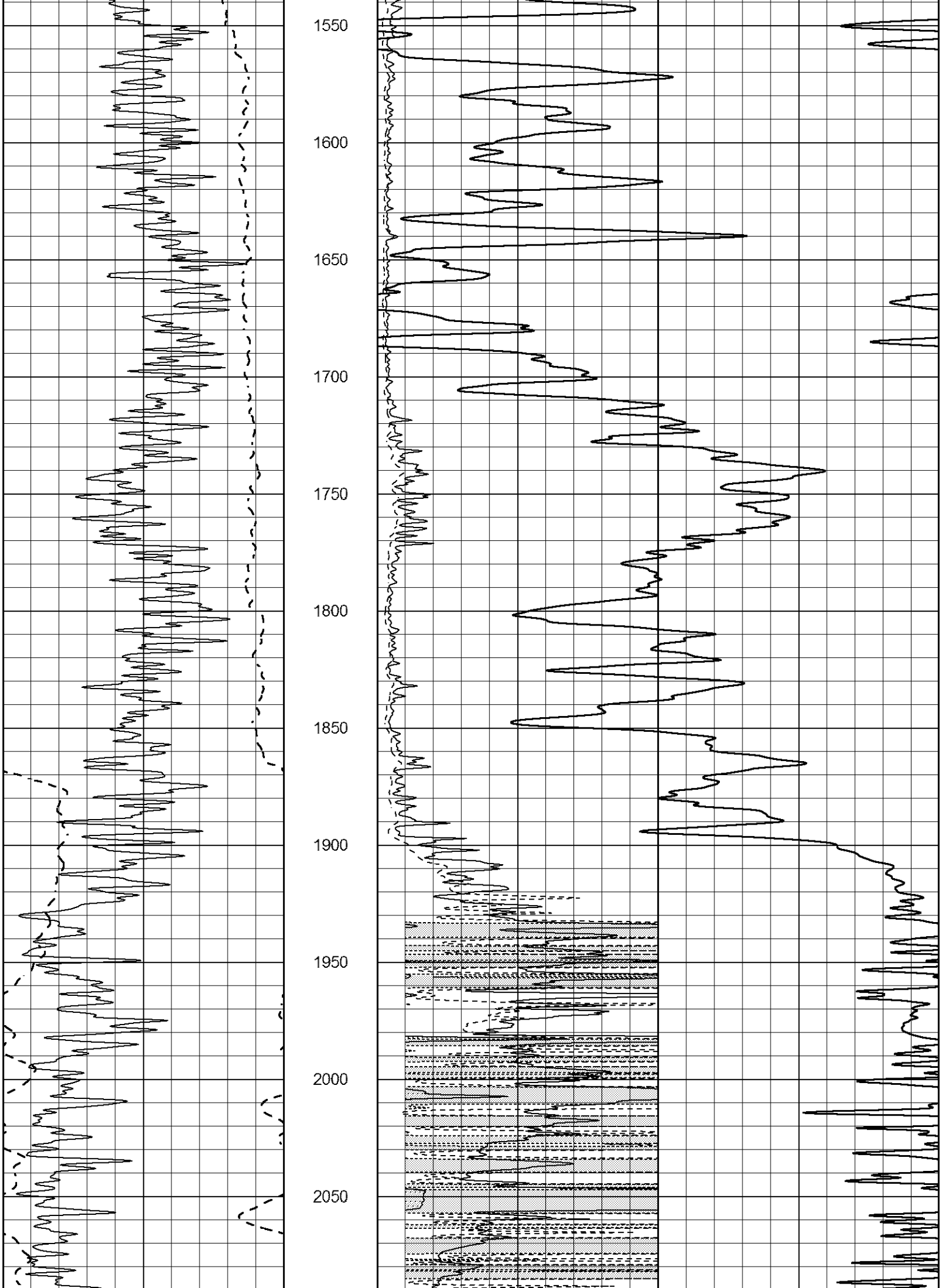
1200
1250
1300
1350
1400
1450
1500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1700
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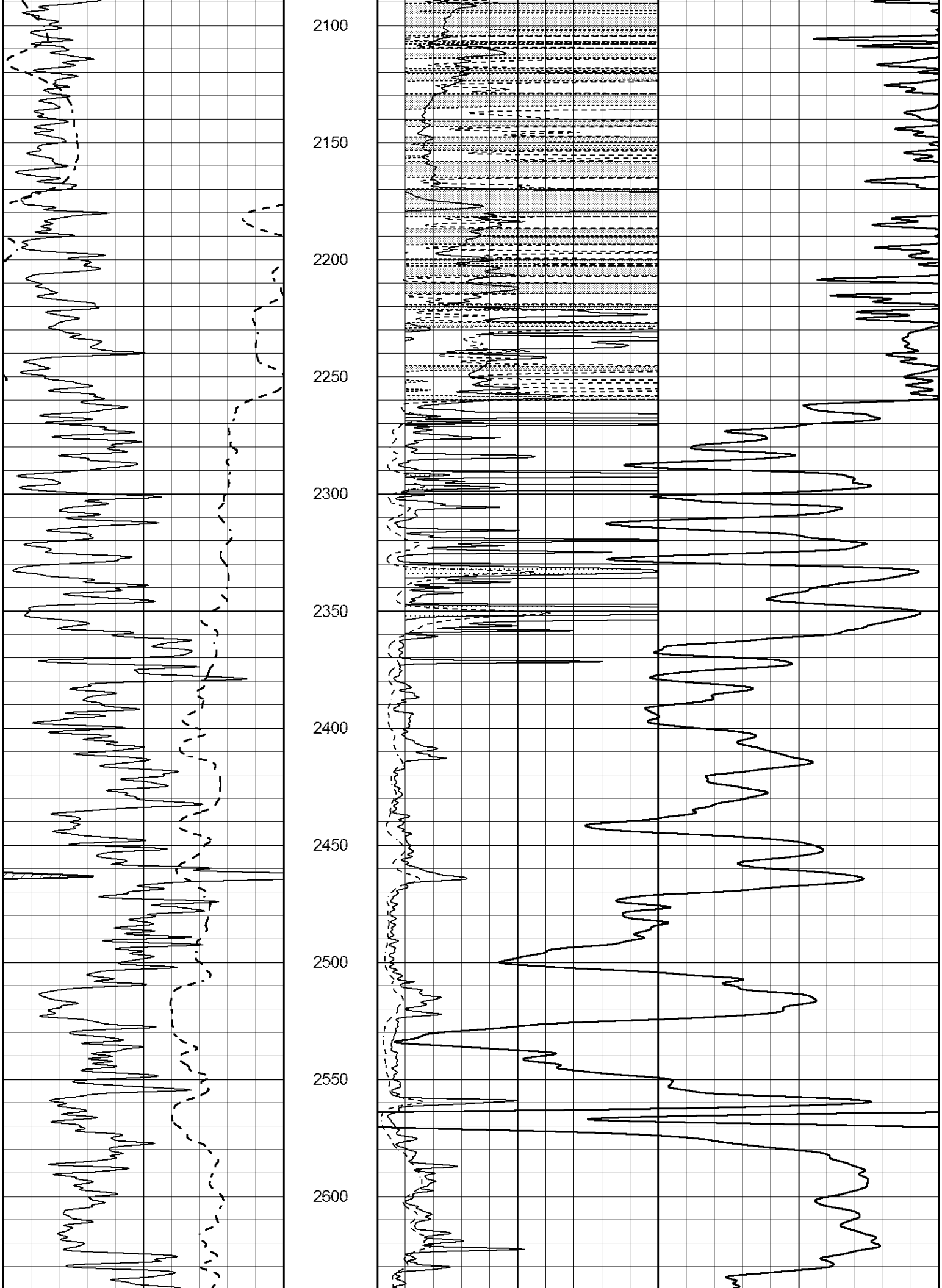
1850
1900
1950
2000
2050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2300
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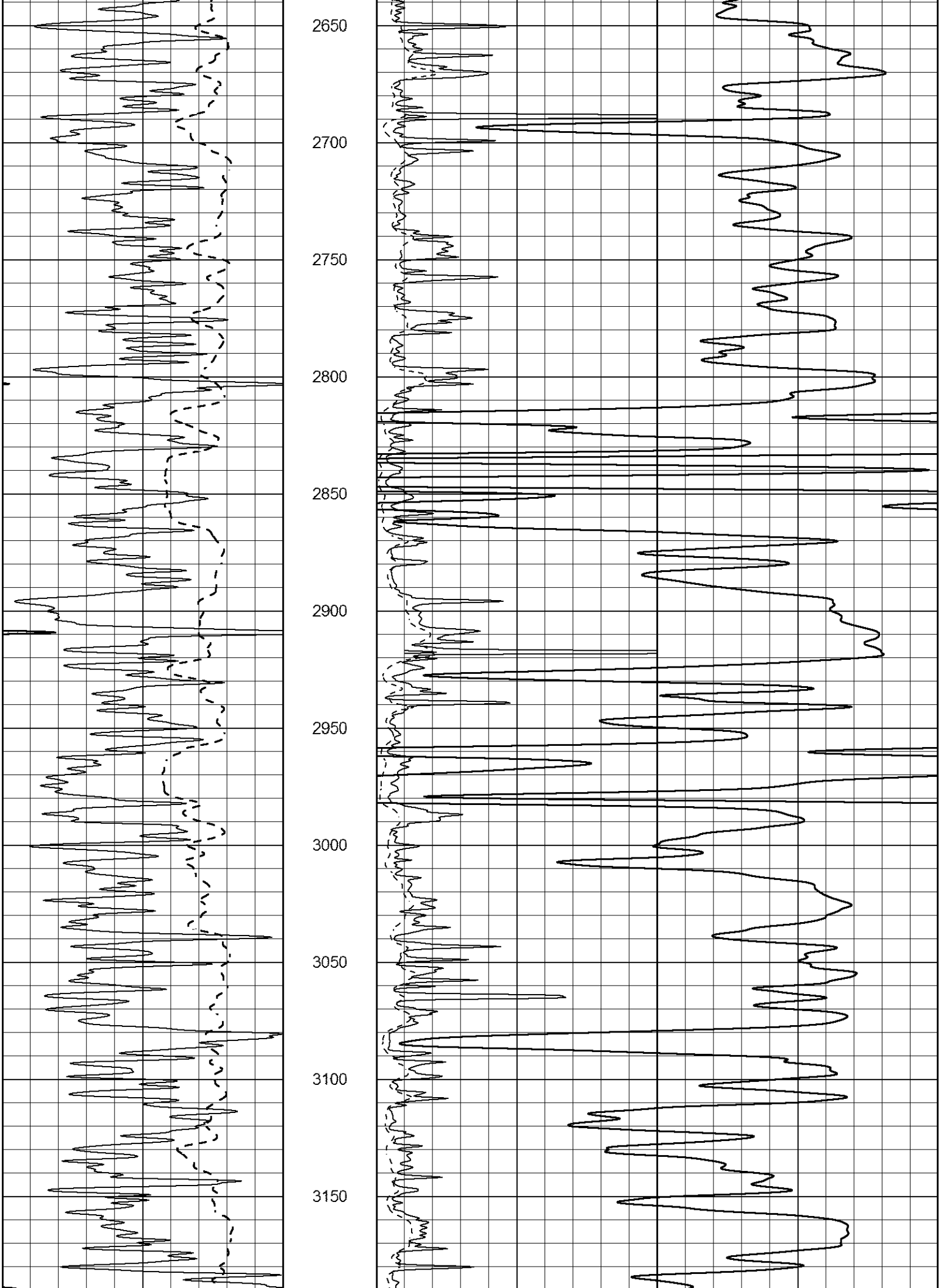
2400
2450
2500
2550
2600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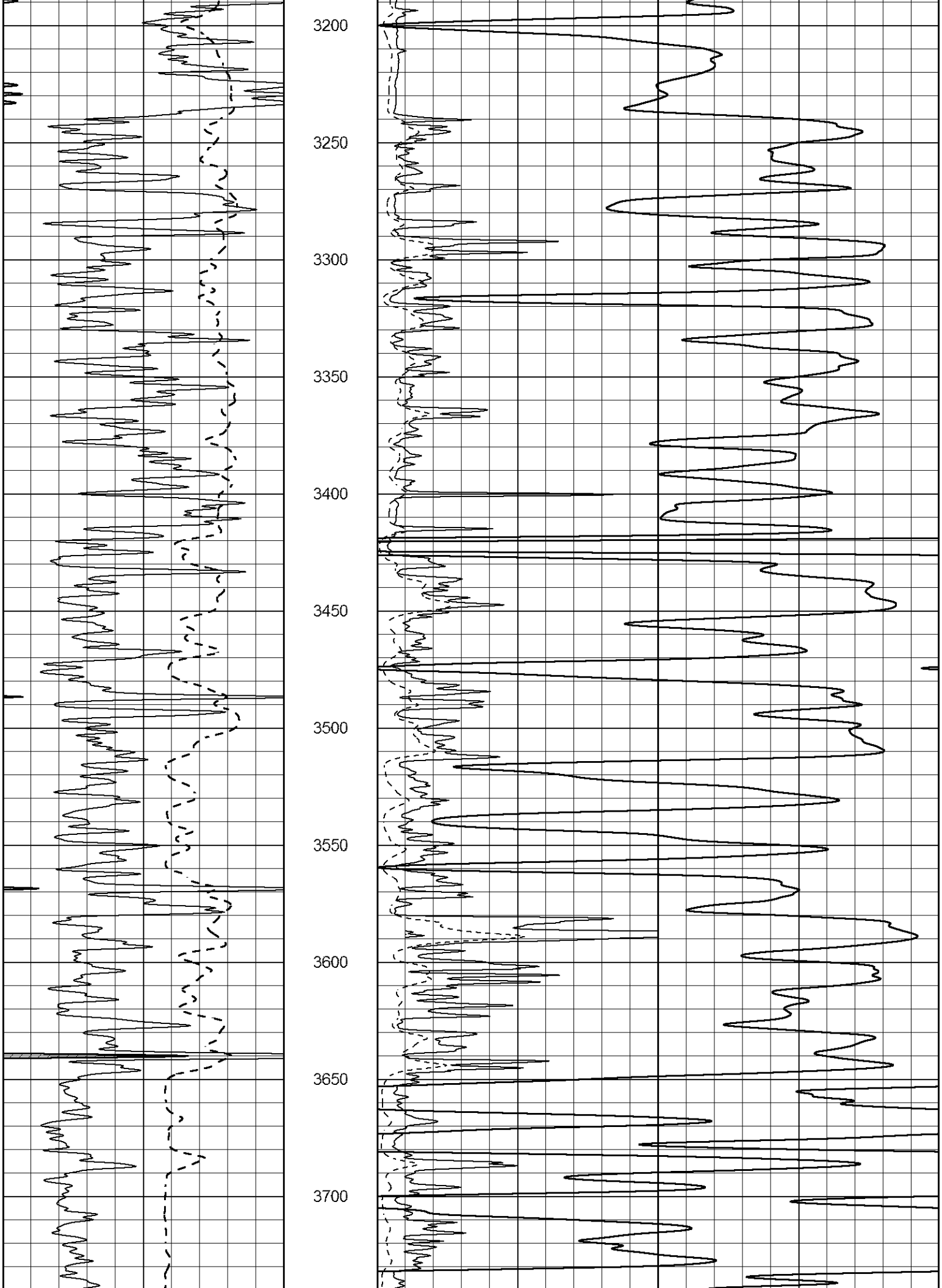
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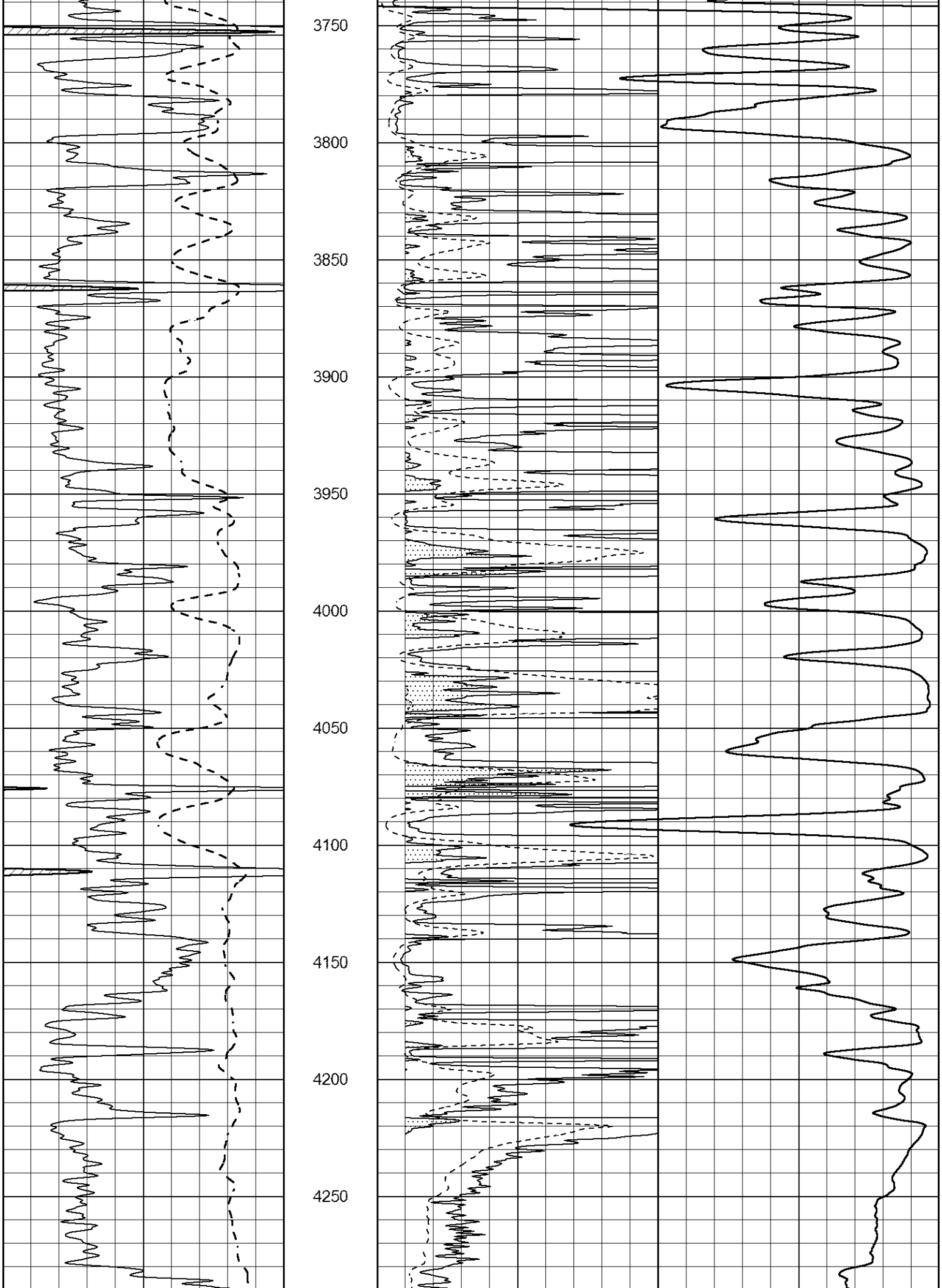
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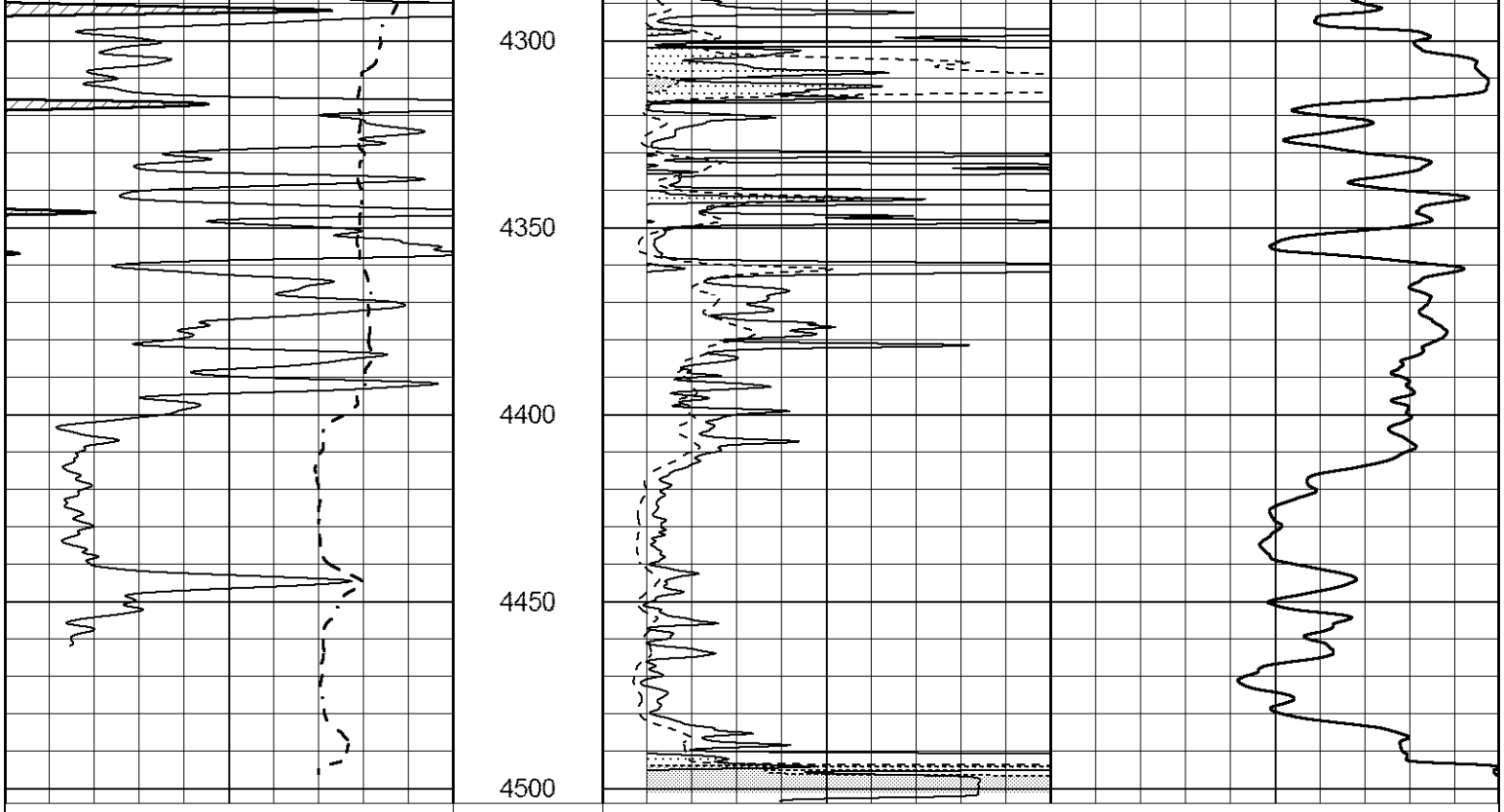
3950
4000
4050
4100
4150
4200
4250

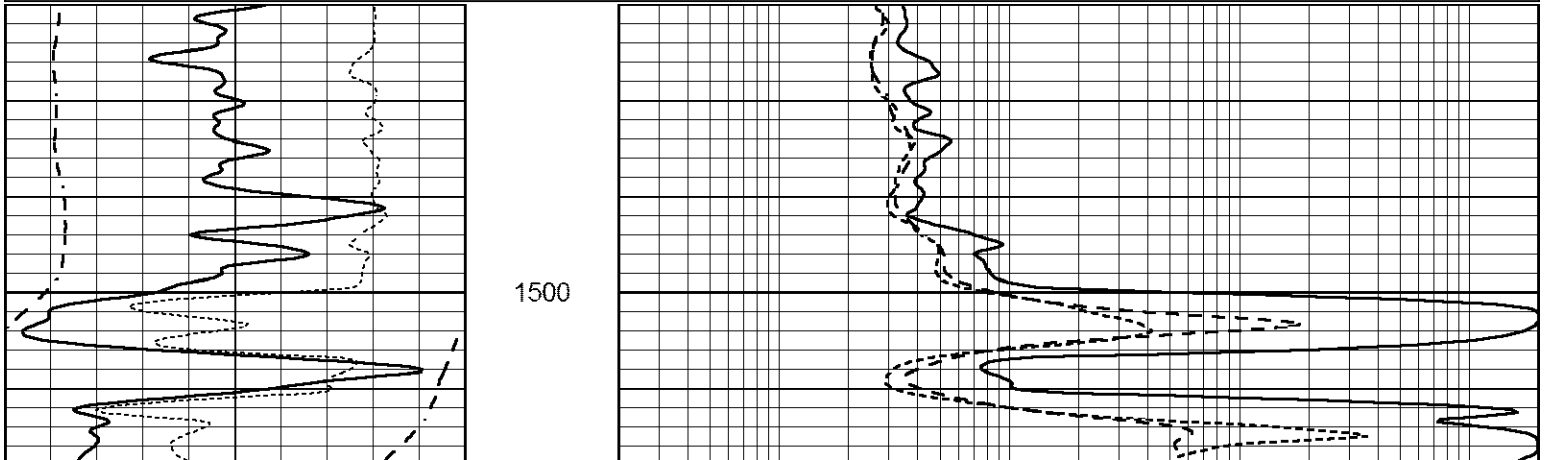


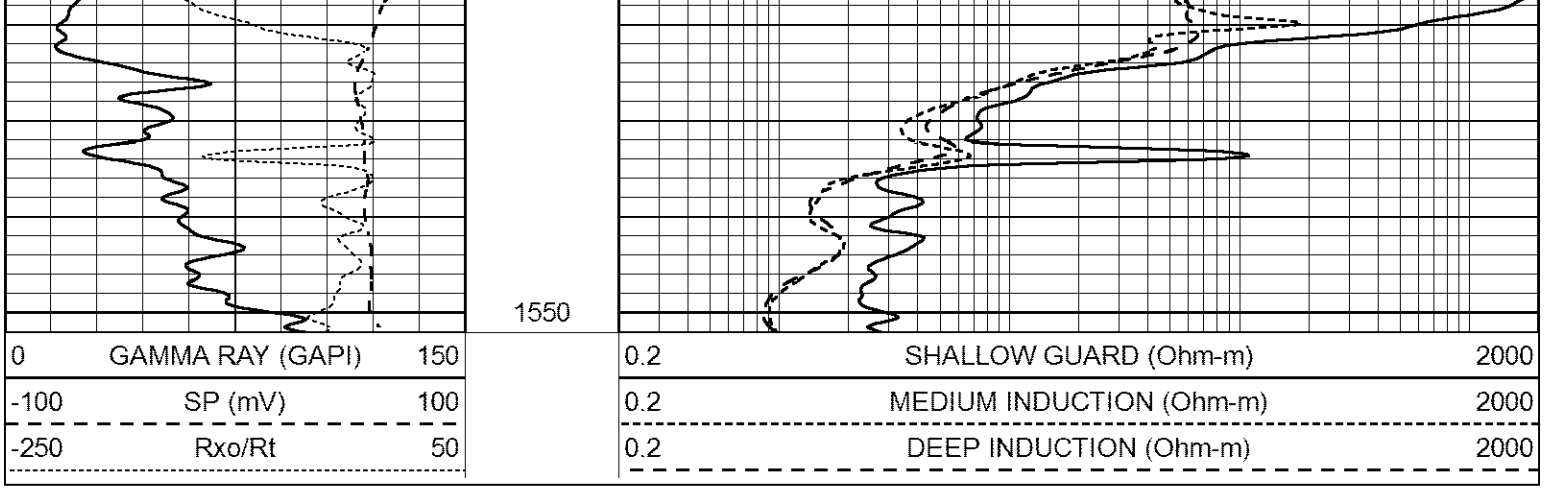
ANHYDRITE

Database File	6231pe.db
Dataset Pathname	pass3.2
Presentation Format	_dil
Dataset Creation	Mon Jan 24 05:43:22 2022
Charted by	Depth in Feet scaled 1:240

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

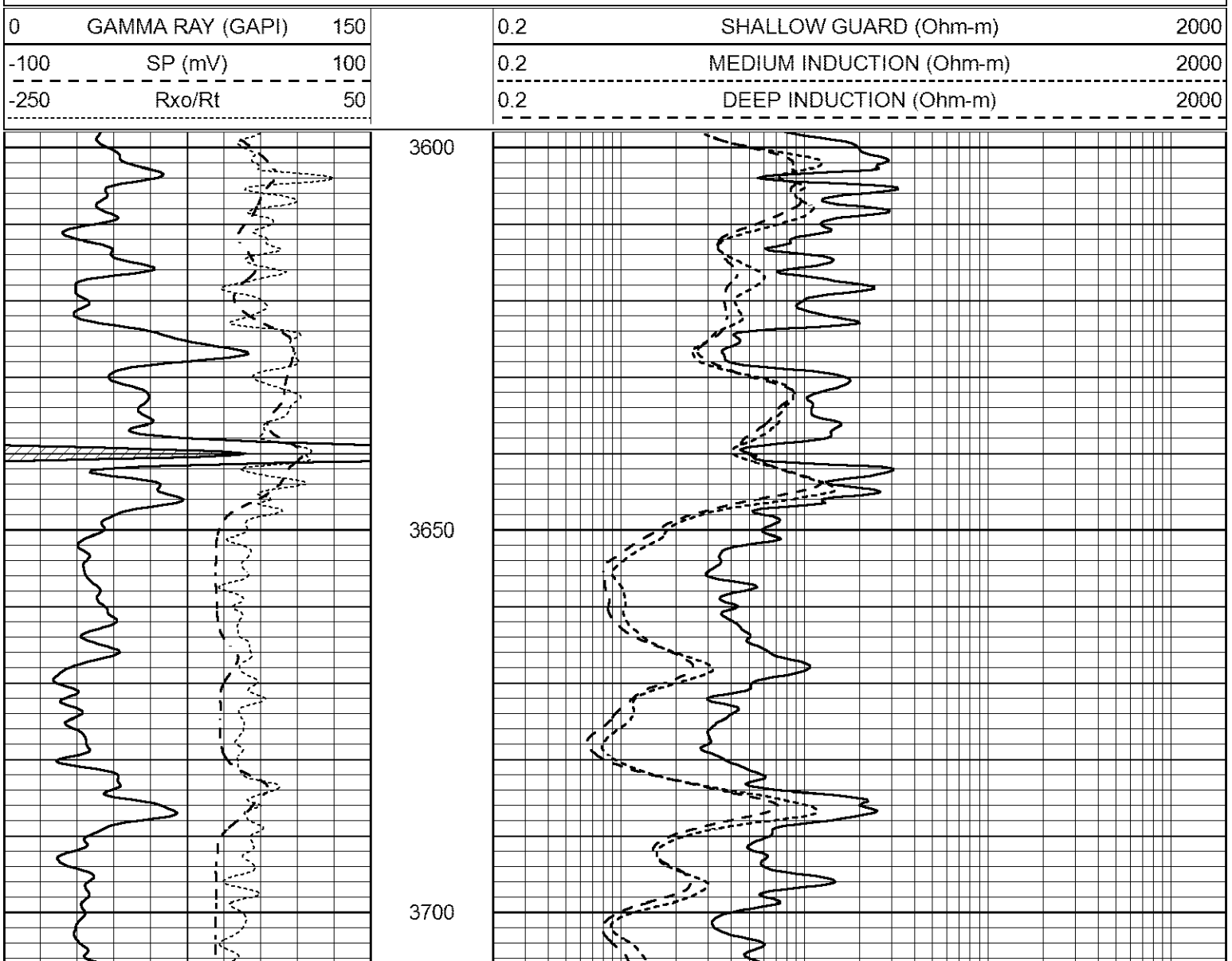
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

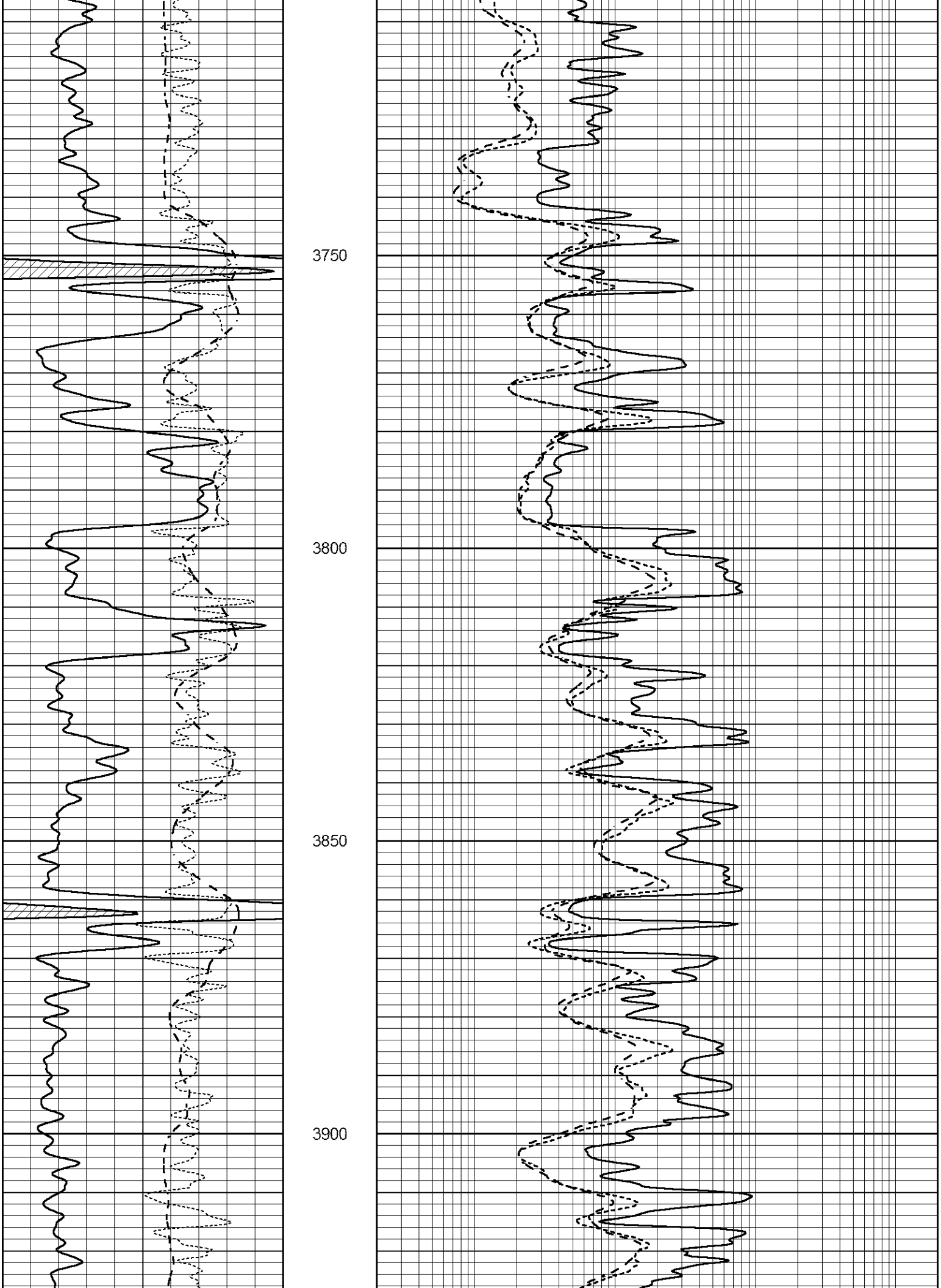




MAIN SECTION

Database File	6231pe.db
Dataset Pathname	pass3.1
Presentation Format	_dil
Dataset Creation	Mon Jan 24 05:22:31 2022
Charted by	Depth in Feet scaled 1:240

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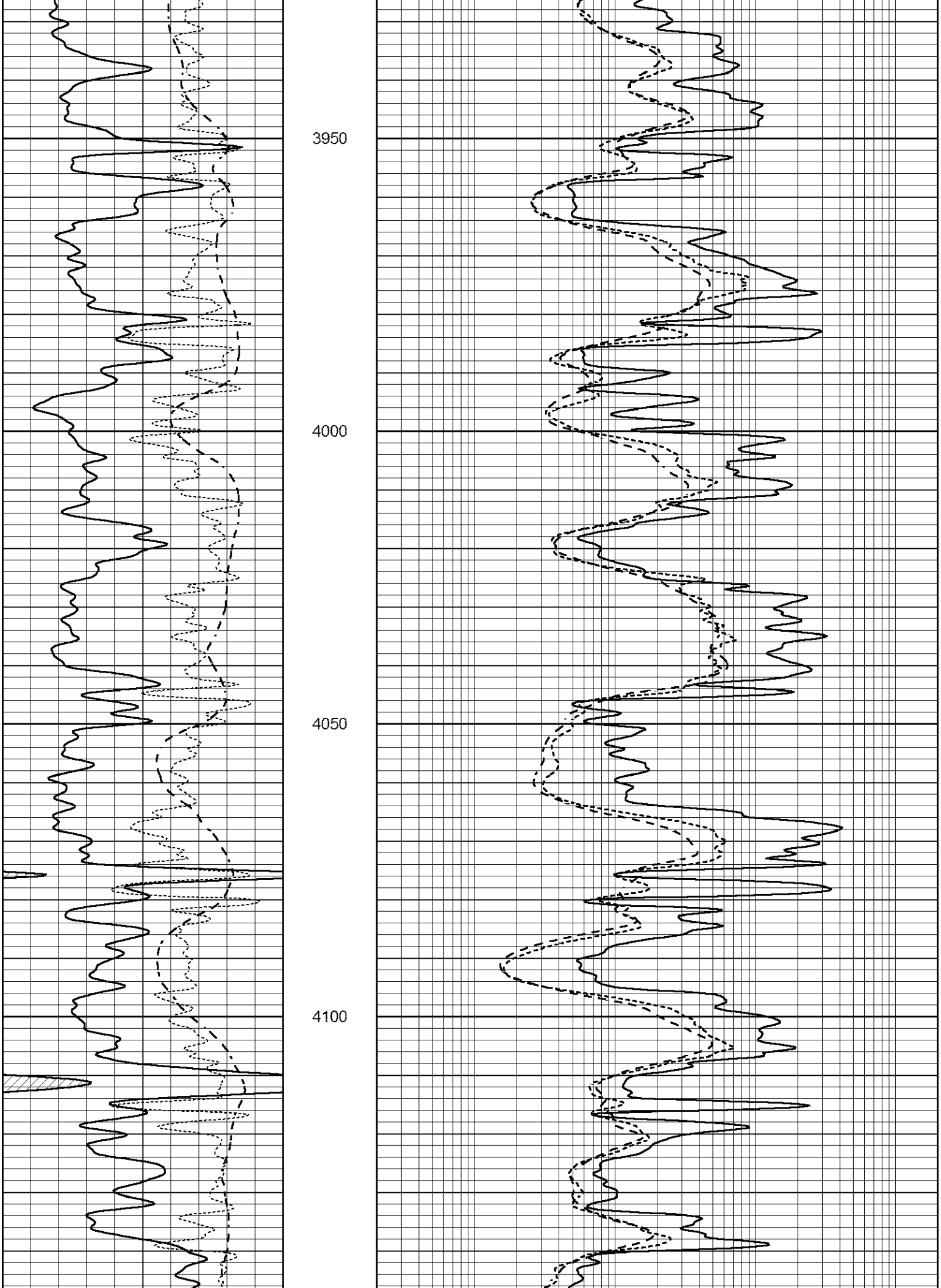
3800
3850
3900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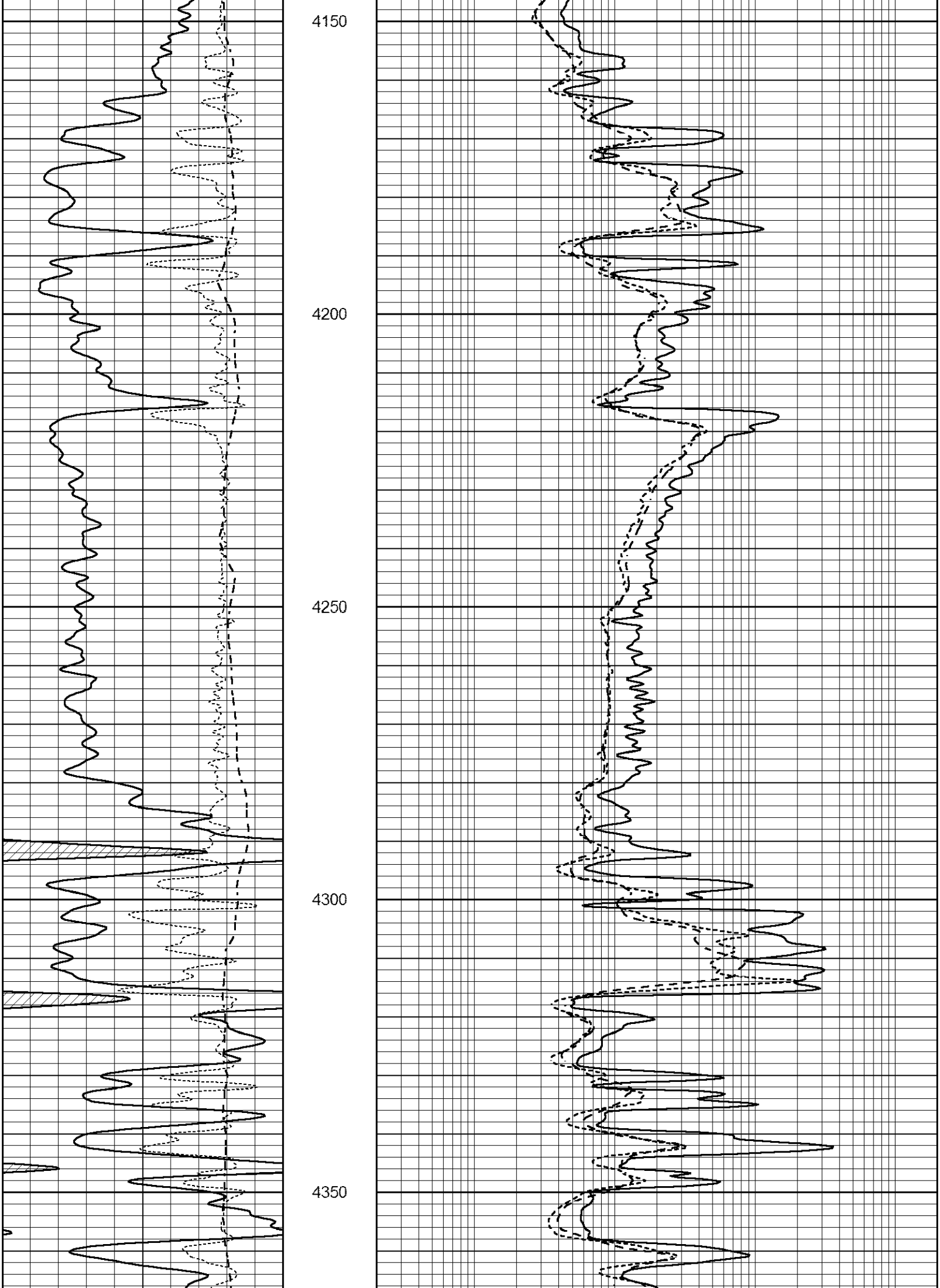
4000
4050
4100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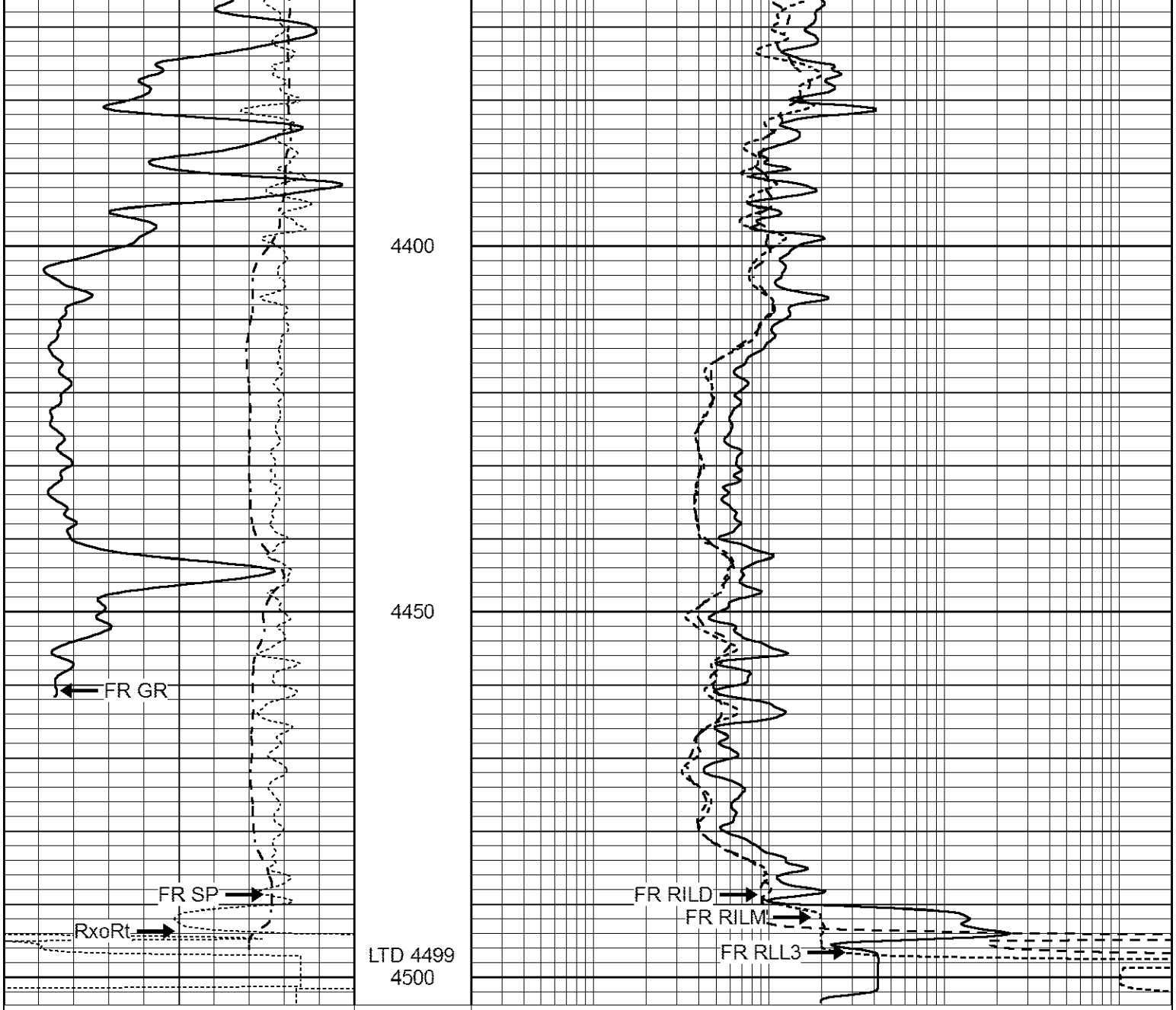
4200
4250
4300
4350



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

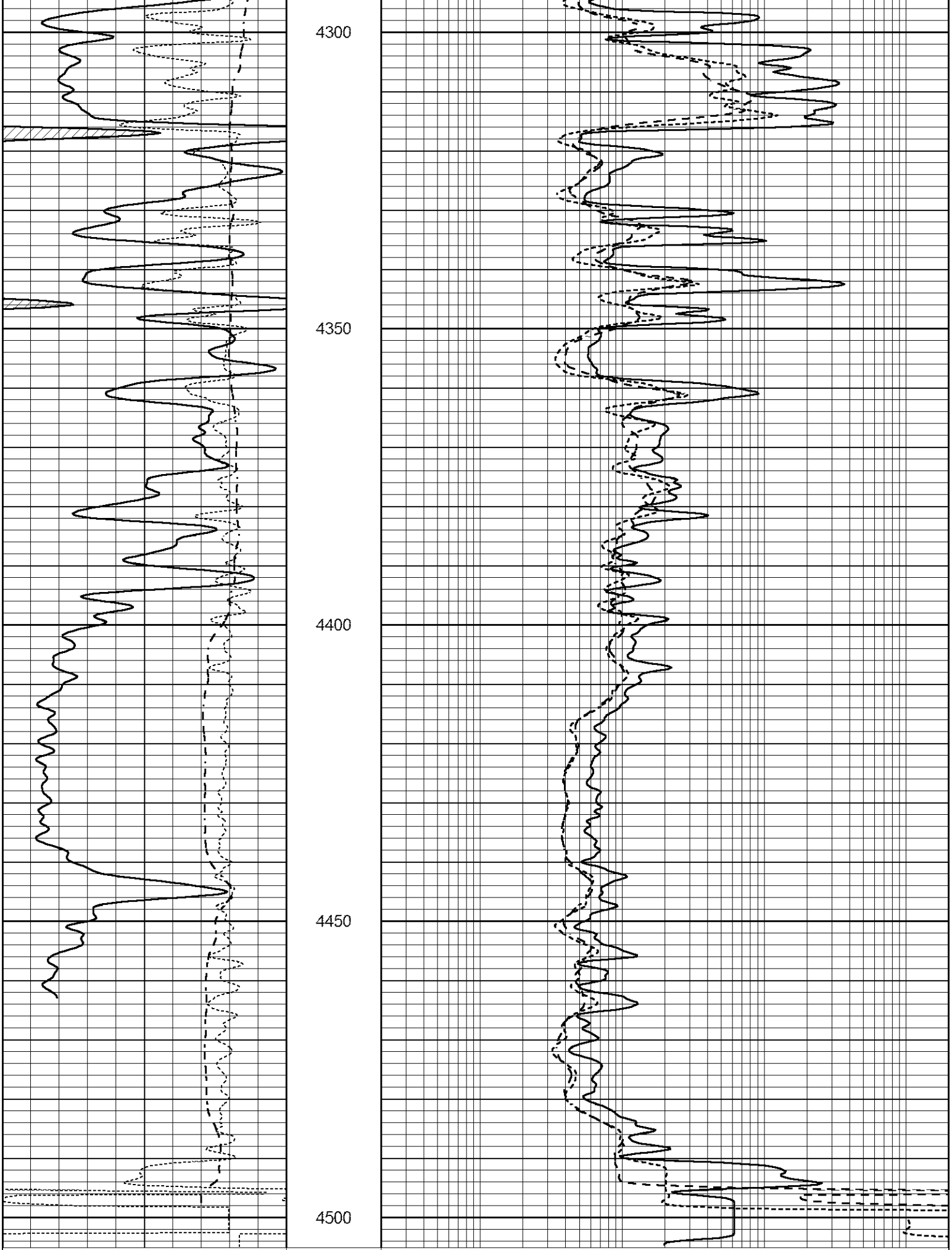
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

REPEAT SECTION

Database File	6231pe.db
Dataset Pathname	pass2.1
Presentation Format	_dil
Dataset Creation	Mon Jan 24 05:20:51 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
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000

Calibration Report

Database File 6231pe.db
Dataset Pathname pass2.1
Dataset Creation Mon Jan 24 05:20:51 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Tue Feb 19 11:44:18 2019
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	430.000	mmho/m	665.106	-6.015
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
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		

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:	Tue Jan 19 17:50:08 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5300	GAPI/cps