DUAL INDUCTION LOG

Company LYNN PACKARD
Well PACKARD JAYNE #5
Field NURSE
County BARBER State KANSAS

Company	LYNN PACKARD
Well	PACKARD JAYNE #5
Field	NURSE
County	BARBER
State	KANSAS

Location: API # : 15-007-24483-0000
1040 FSL & 2350 FWL
NE - NE - SE - SW
SEC 22 TWP 31S RGE 13W

Other Services: CDL/CNL, MEL

Permanent Datum: GROUND LEVEL Elevation 1584
Log Measured From: KELLY BUSHING 11' A.G.L
Drilling Measured From: KELLY BUSHING

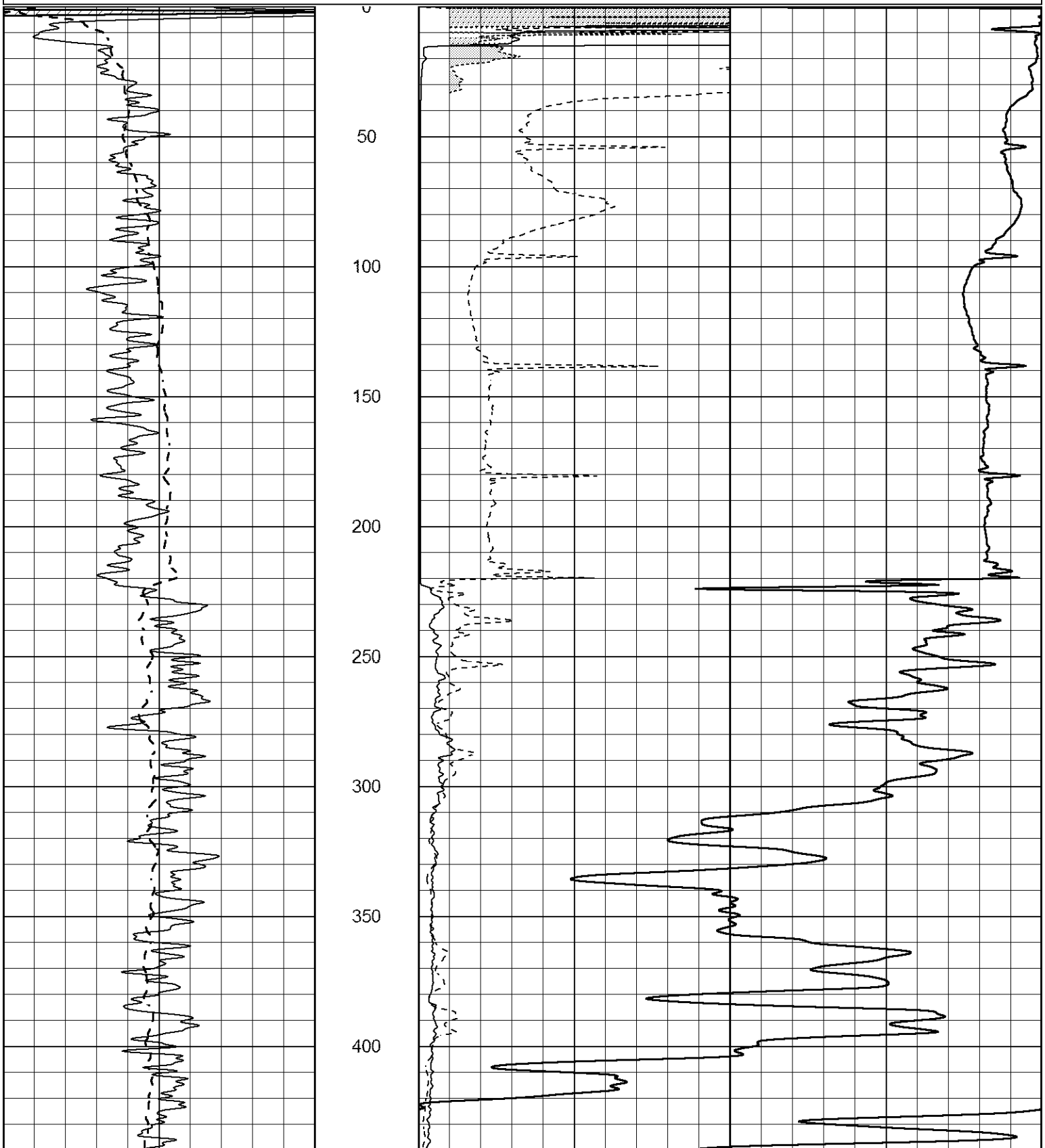
Elevation: K.B. 1595, D.F. 1593, G.L. 1584

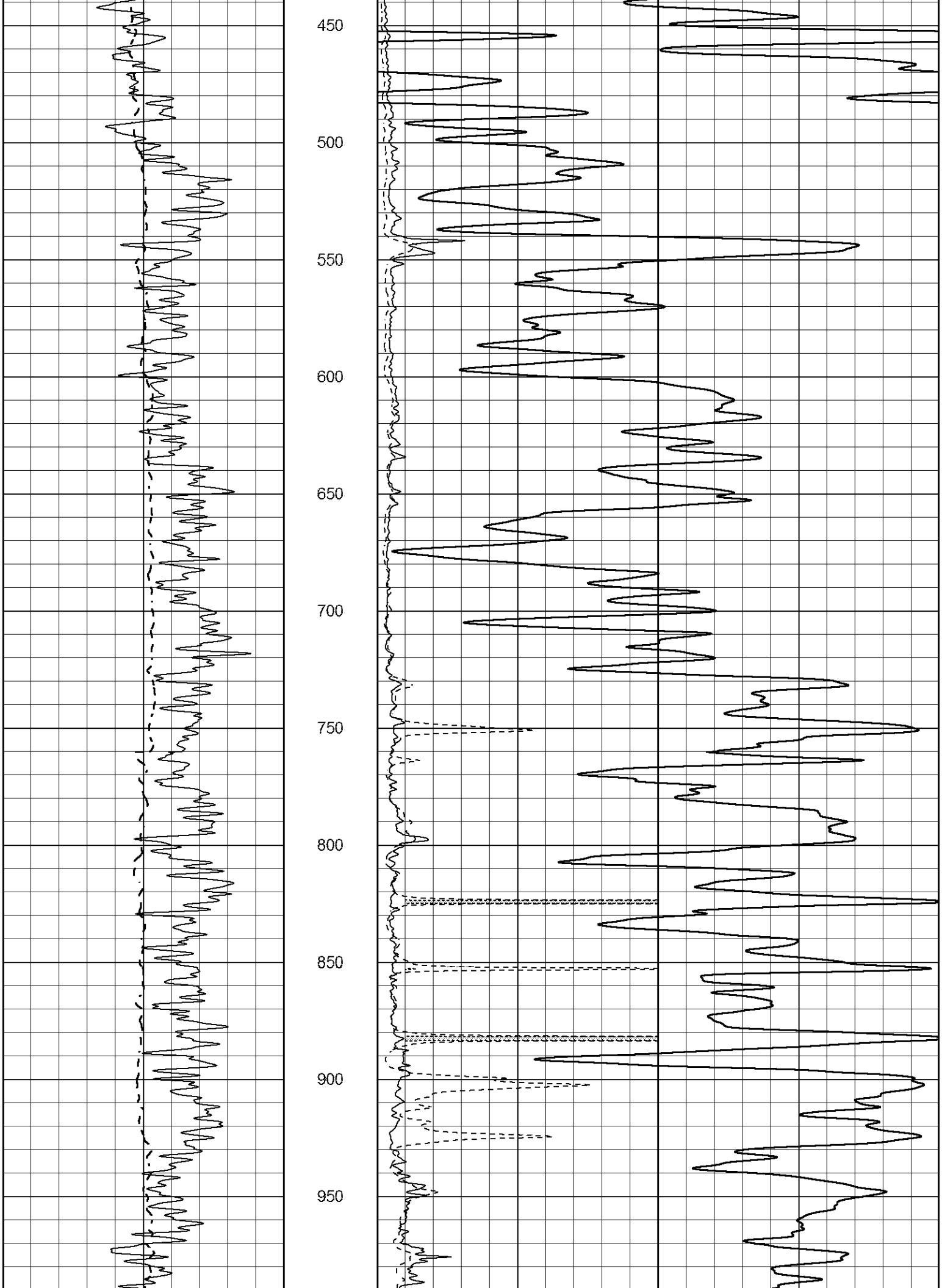
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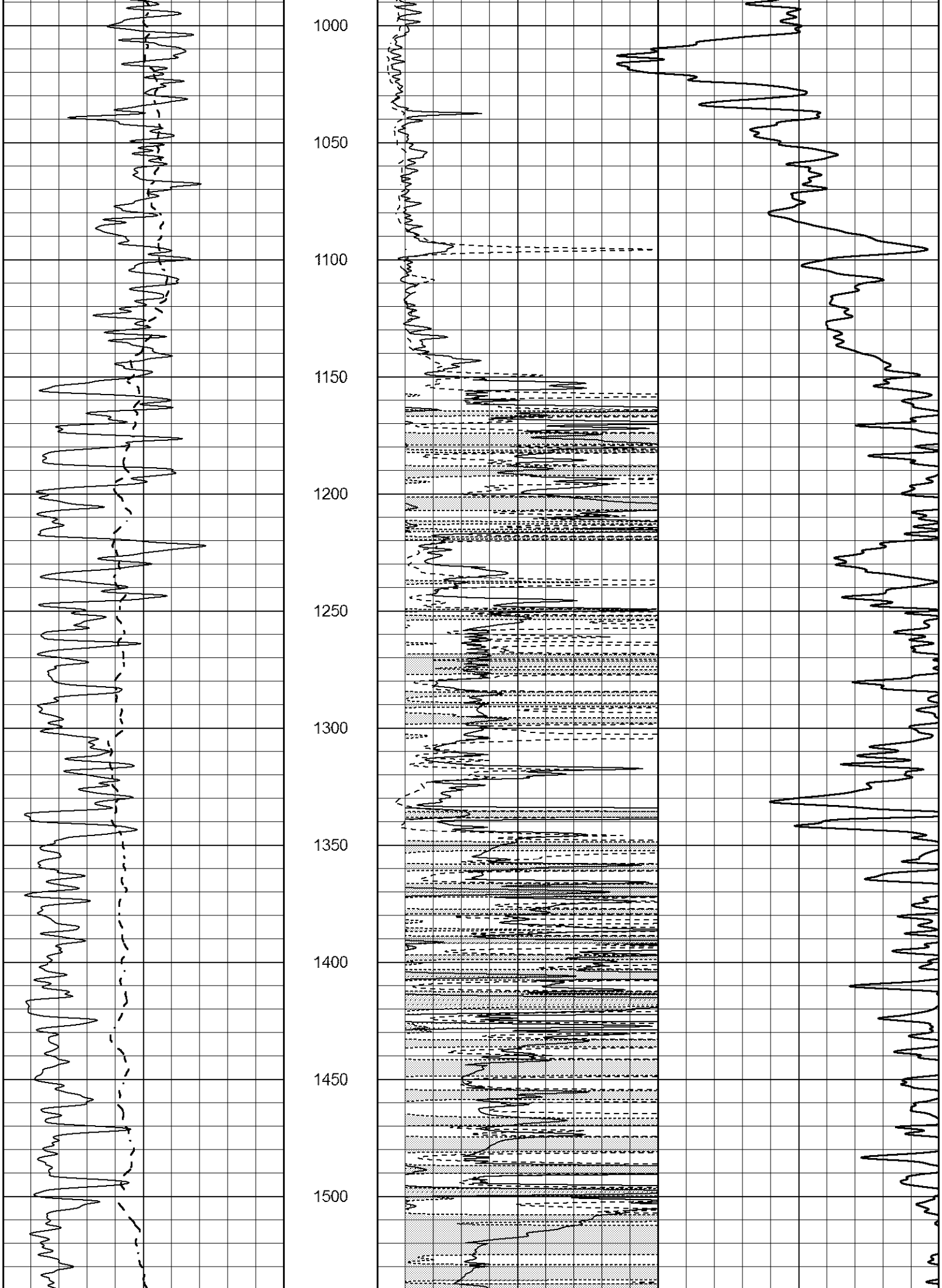
Database File	7059ddn.db
Dataset Pathname	pass3P
Presentation Format	_dil2
Dataset Creation	Tue Jan 09 16:30:33 2024
Charted by	Depth in Feet scaled 1:600

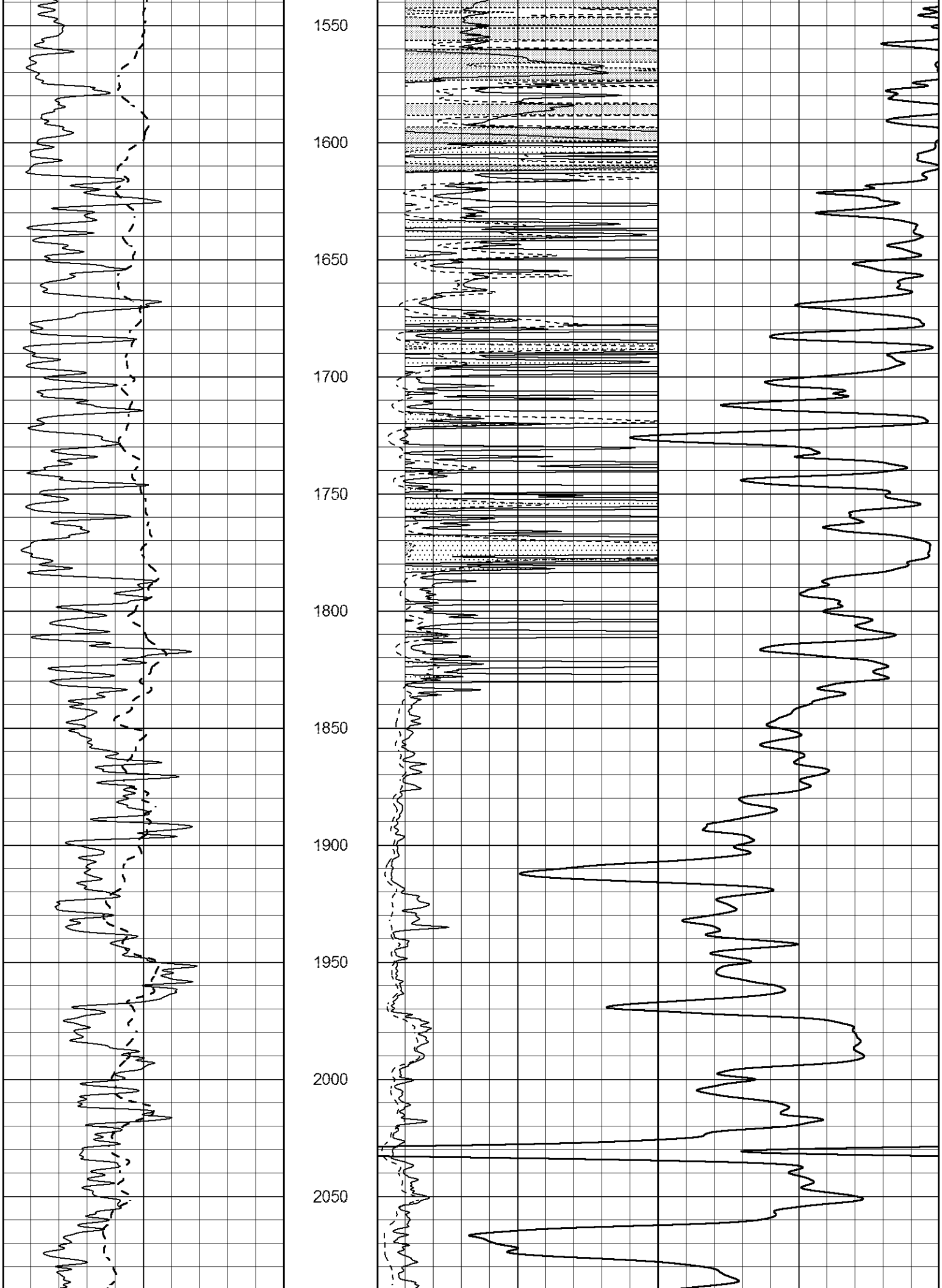
0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

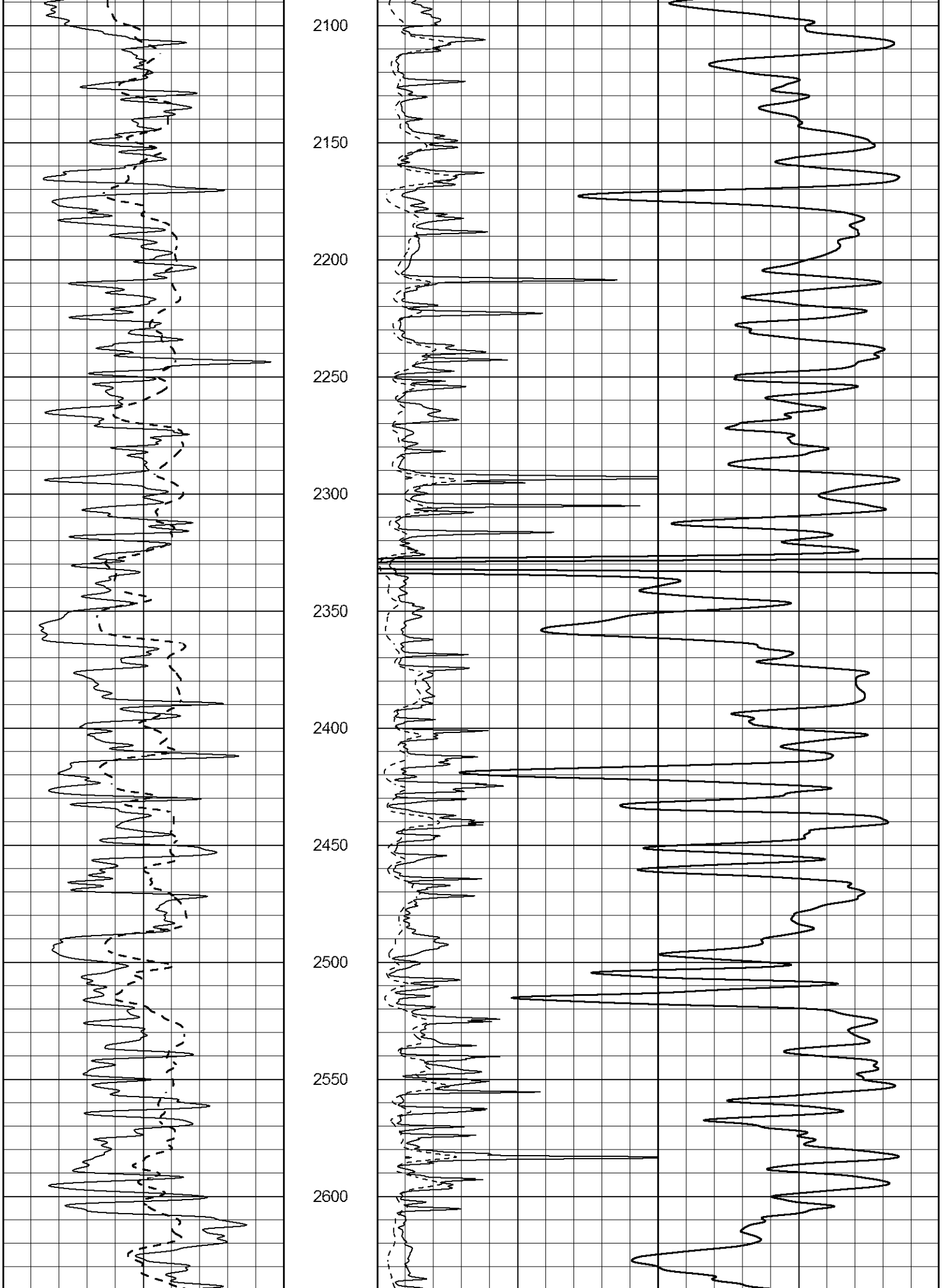
1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

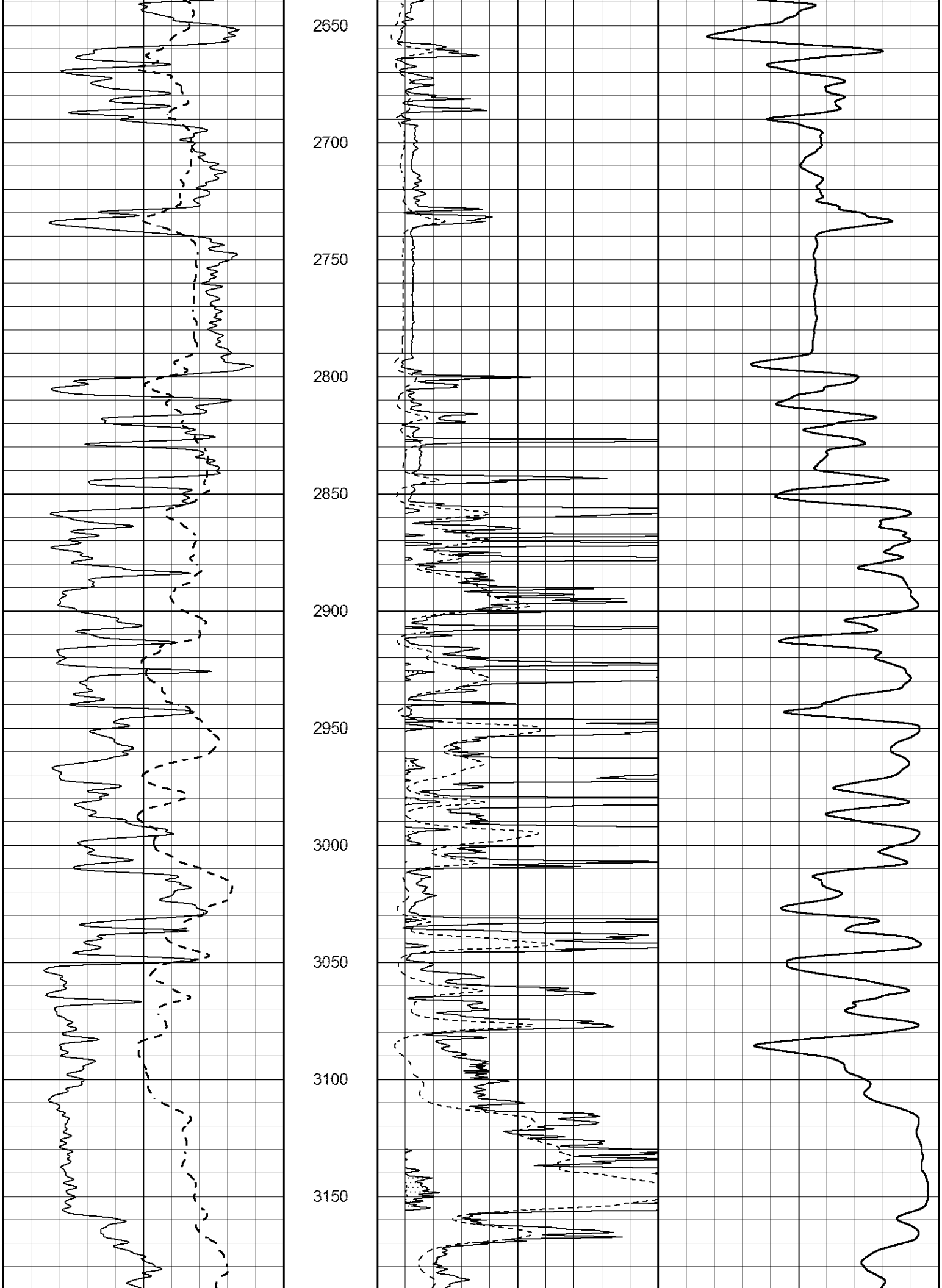


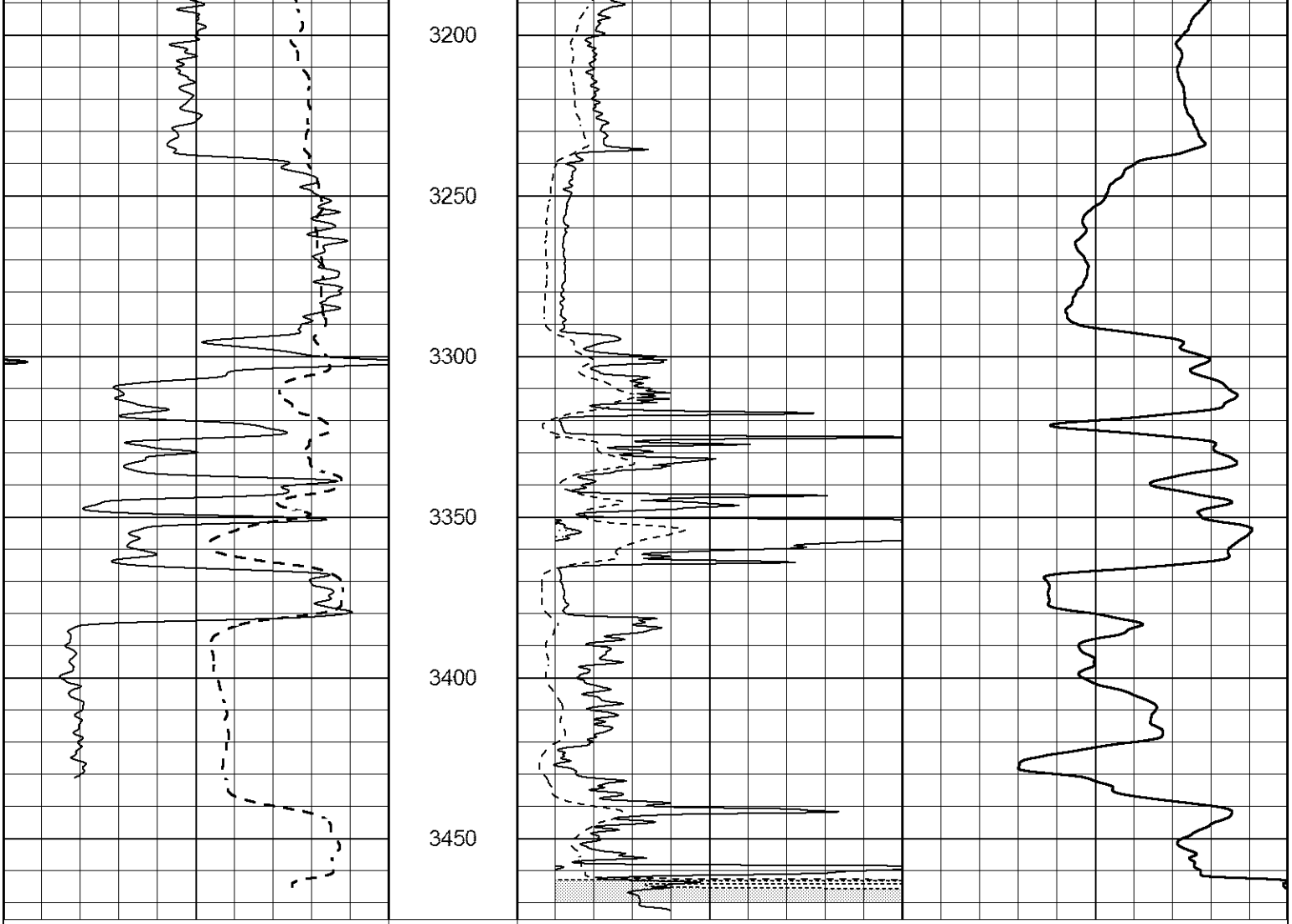

450
500
550
600
650
700
750
800
850
900
950


1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500


1550
1600
1650
1700
1750
1800
1850
1900
1950
2000
2050

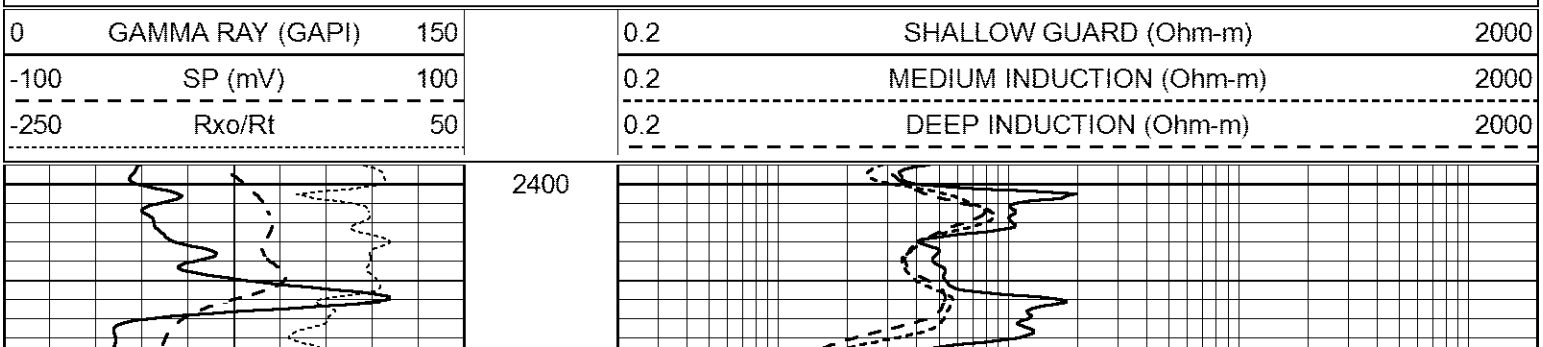

2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600

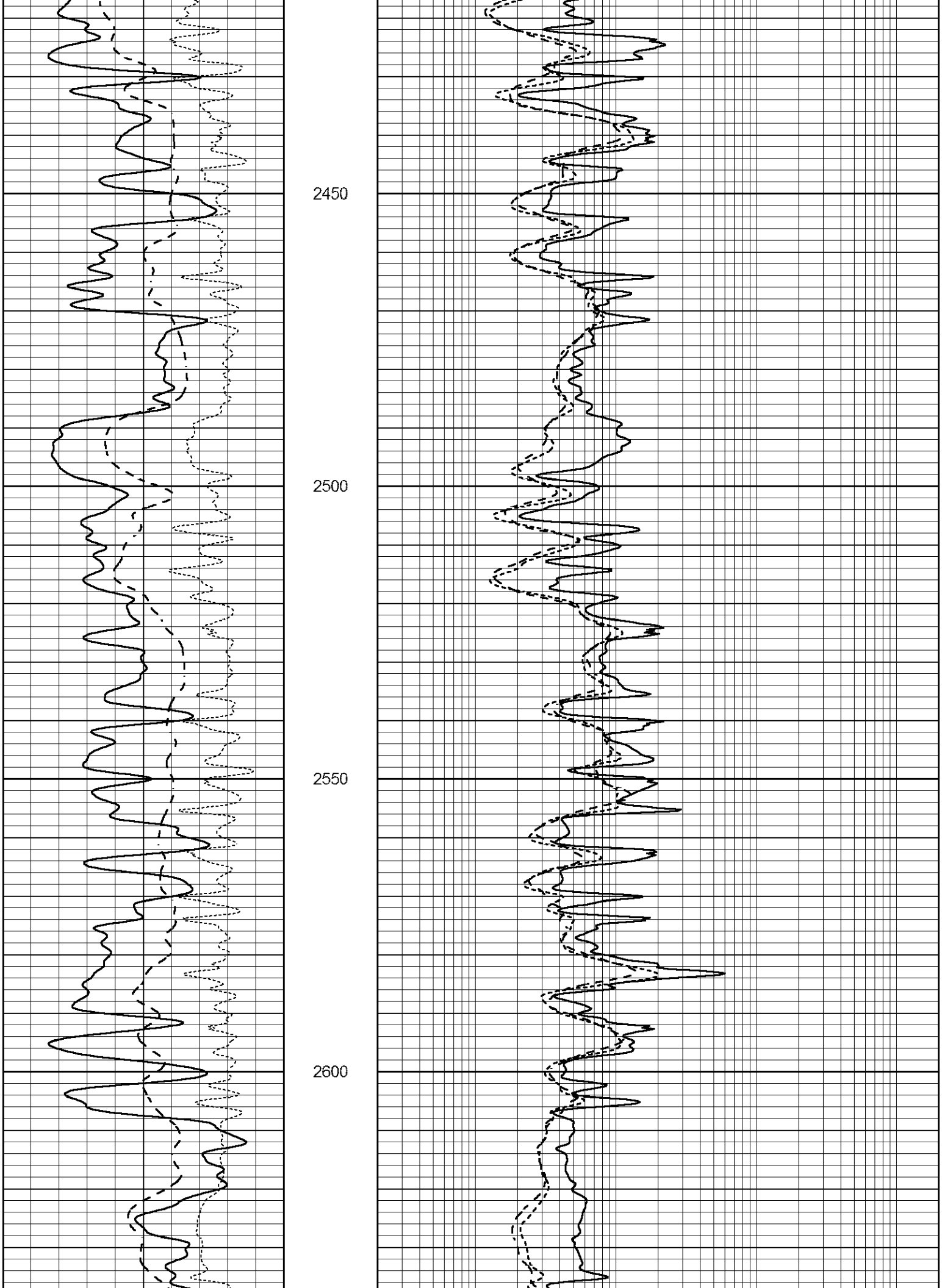

2650
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150

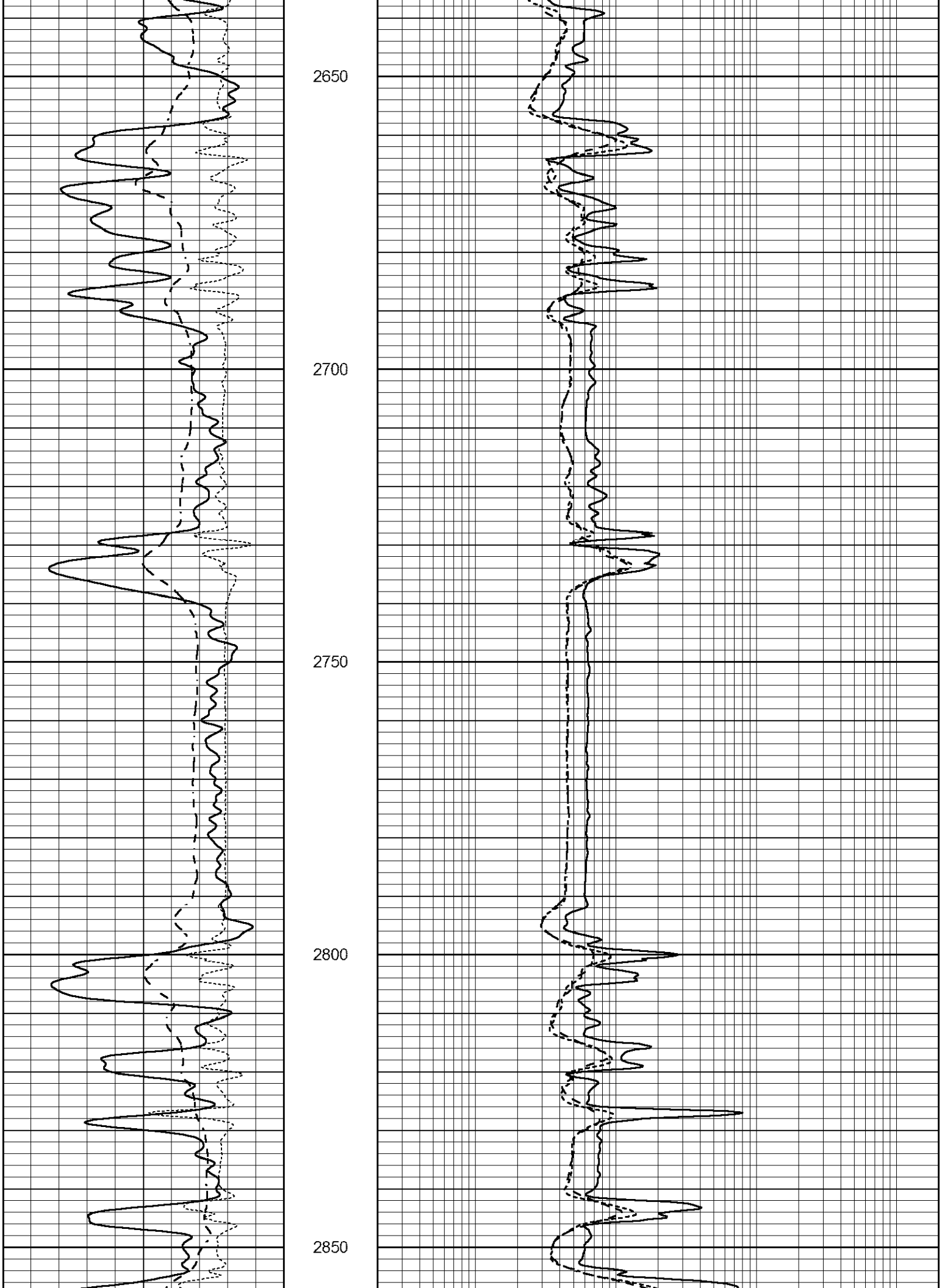


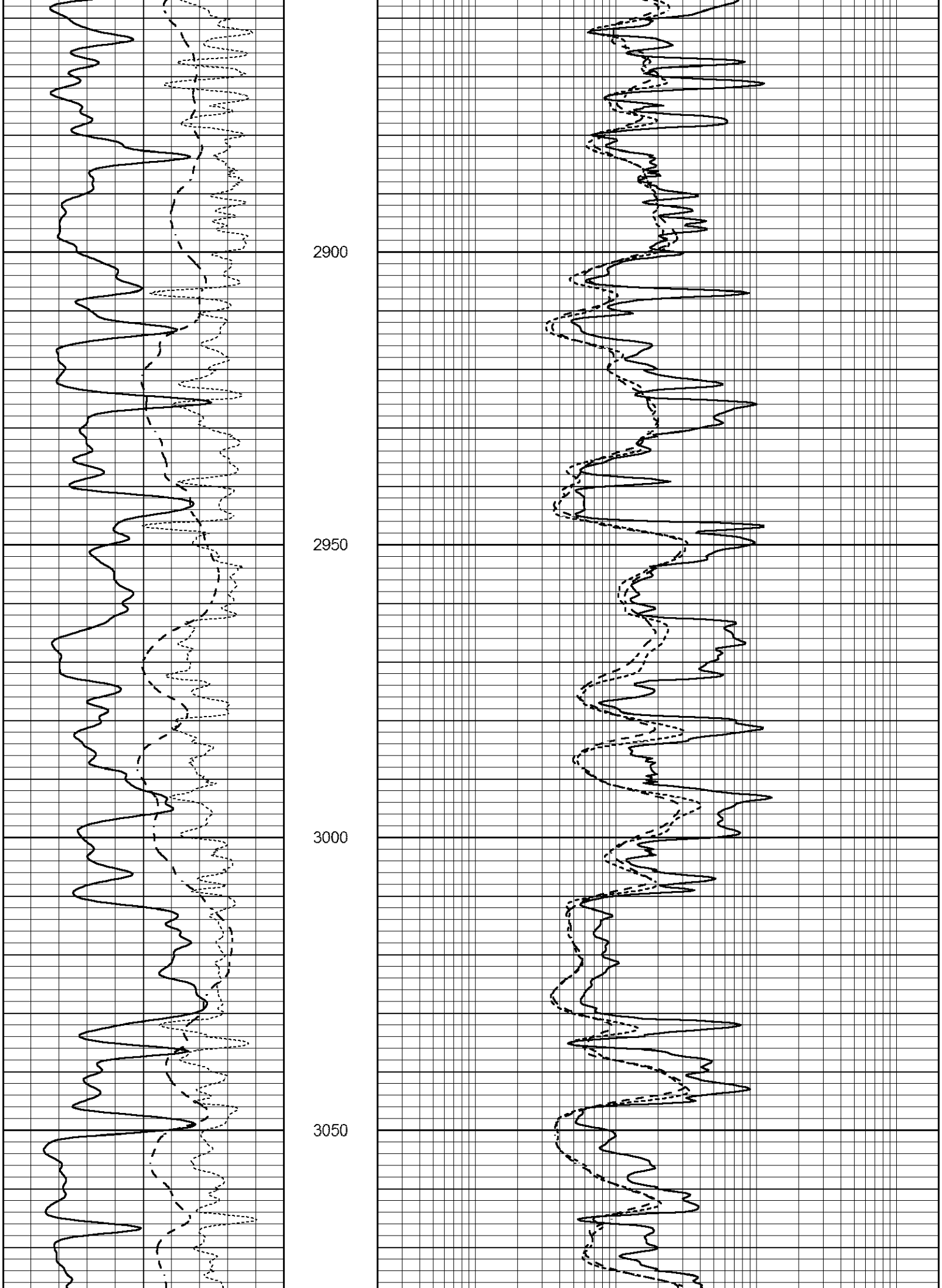
MAIN SECTION

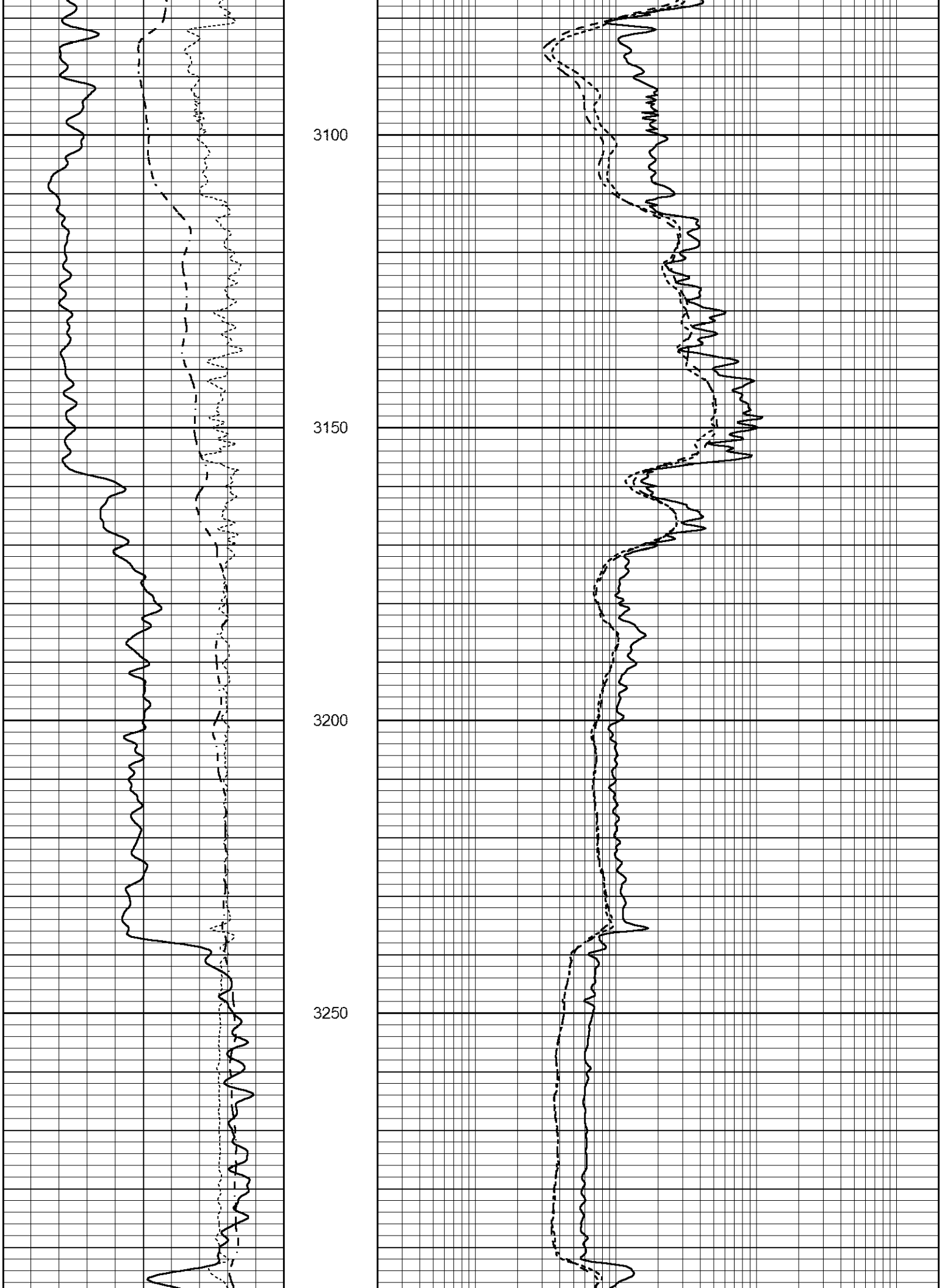
Database File	7059ddn.db
Dataset Pathname	pass3D
Presentation Format	_dil
Dataset Creation	Tue Jan 09 15:37:46 2024
Charted by	Depth in Feet scaled 1:240

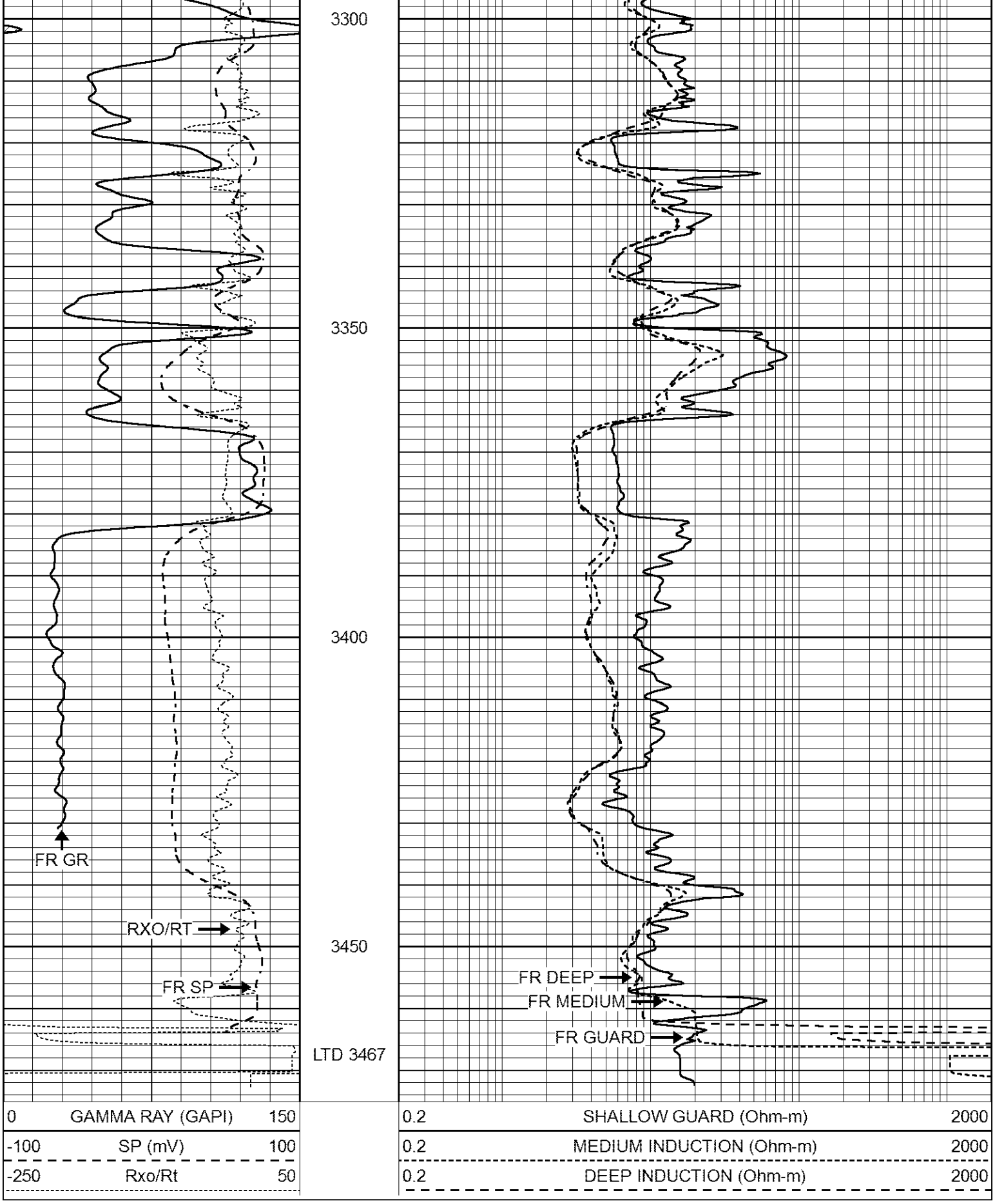



2450
2500
2550
2600


2650
2700
2750
2800
2850


2900
2950
3000
3050


3100
3150
3200
3250

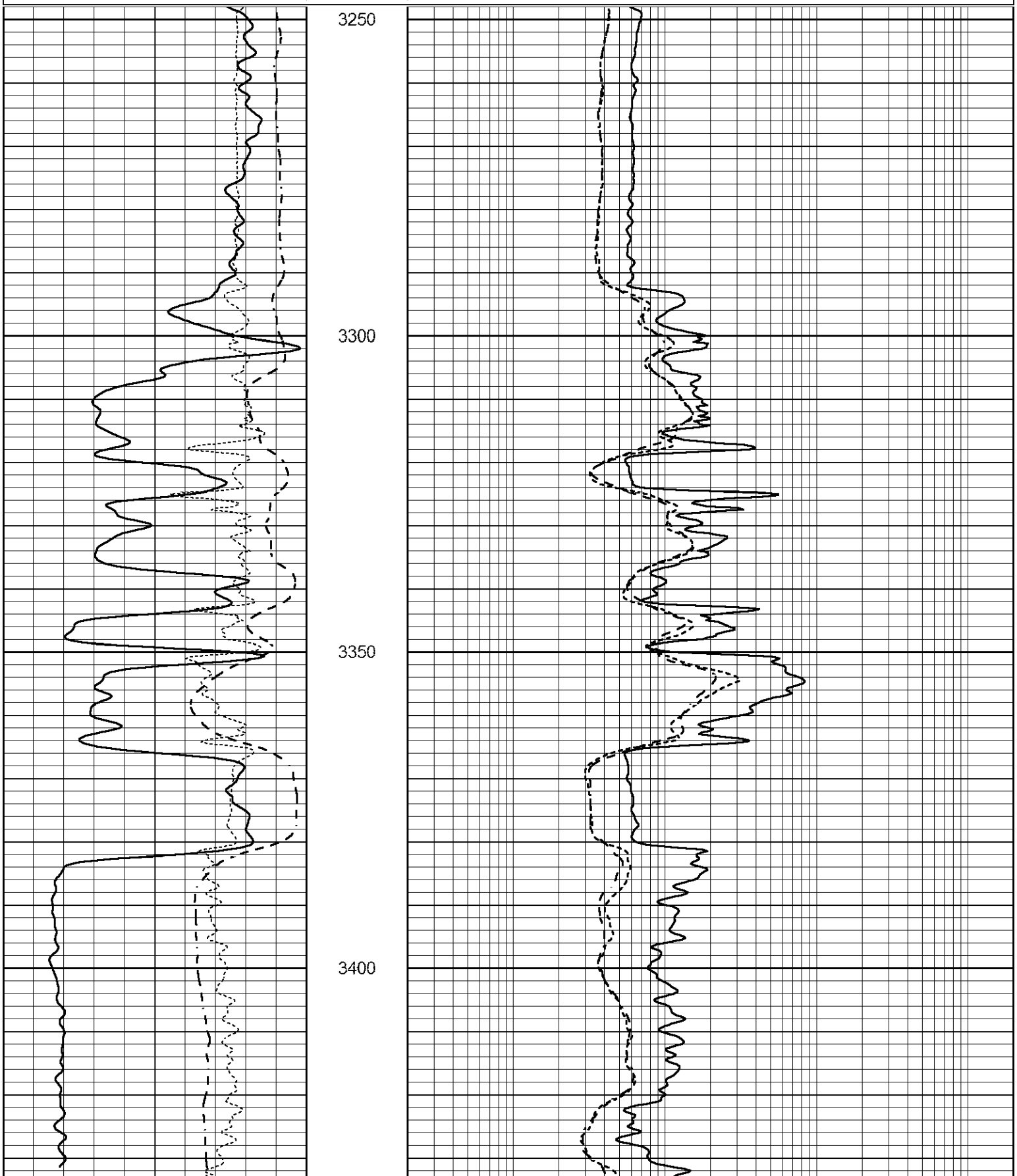


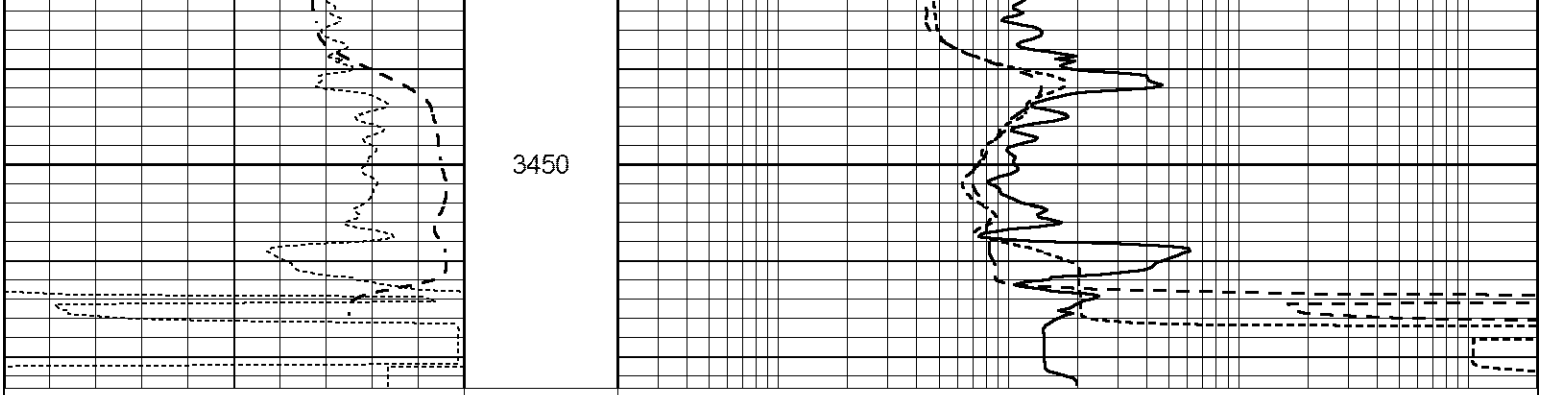
REPEAT SECTION

Database File	7059ddn.db
Dataset Pathname	pass2R
Presentation Format	_dil
Dataset Creation	Tue Jan 09 15:23:36 2024
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





Calibration Report

Database File	7059ddn.db
Dataset Pathname	pass3P
Dataset Creation	Tue Jan 09 16:30:33 2024

Dual Induction Calibration Report

Serial-Model:	FW1410-55-Probe
Surface Cal Performed:	Sat Jul 29 01:57:42 2023
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	565.000	-7.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-10.000
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: 003 Model: PRB

Master Calibration — Performed Mon May 22 11:42:40 2023

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1512.3	7465.7	2749.0	2519.6	cps
Window 2	1398.8	6705.7	2507.3	2313.8	cps
Window 3	1289.2	5259.5	2124.1	2009.6	cps
Window 4	351.1	351.6	351.8	353.2	cps
Long Space	0.0	5306.9	1108.5	915.0	cps
Short Space	3.3	2239.9	1441.2	1212.0	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	

Rib Angle	: 44.3	Rib Slope	: 0.975	Density/Spine Ratio	: 0.541
Spine Angle	: 74.3	Spine Slope	: 3.551	Spine Intercept	: -18.8

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	566.40	cps				
Long Space	640.00	cps	-1.07	pu	-1.07	pu

POST-SURVEY VERIFICATION

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

Gamma Ray Calibration Report

Serial Number:	46001	
Tool Model:	Probe1	
Performed:	Thu Apr 20 09:55:57 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4300	GAPI/cps