DUAL INDUCTION LOG

Company VINCENT OIL COMPANY
Well OVERMYER #3-9
Field KINGSDOWN NORTHWEST
County FORD State KANSAS
Location: API # : 15-057-21031-0000
1334' FNL & 1904 FWL
SEC 9 TWP 29S RGE 22W

Other Services
CDL/CNL/MEL
SON

Elevation
K.B. 2494
D.F. 2492
G.L. 2482

Permanent Datum GROUND LEVEL Elevation 2482
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Company	VINCENT OIL COMPANY		
Well	OVERMYER #3-9		
Field	KINGSDOWN NORTHWEST		
County	FORD		
State	KANSAS		
Date	11/23/19		
Run Number	ONE		
Depth Driller	5305		
Depth Logger	5306		
Bottom Logged Interval	5305		
Top Log Interval	00		
Casing Driller	8 5/8" @ 692		
Casing Logger	692		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1/51		
pH / Fluid Loss	11.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.45 @ 55F		
Rmf @ Meas. Temp	.38 @ 55F		
Rmc @ Meas. Temp	.54 @ 55F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.19@ 128F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	128F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	TOM DUDGEON		

<<< Fold Here >>>

Comments

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

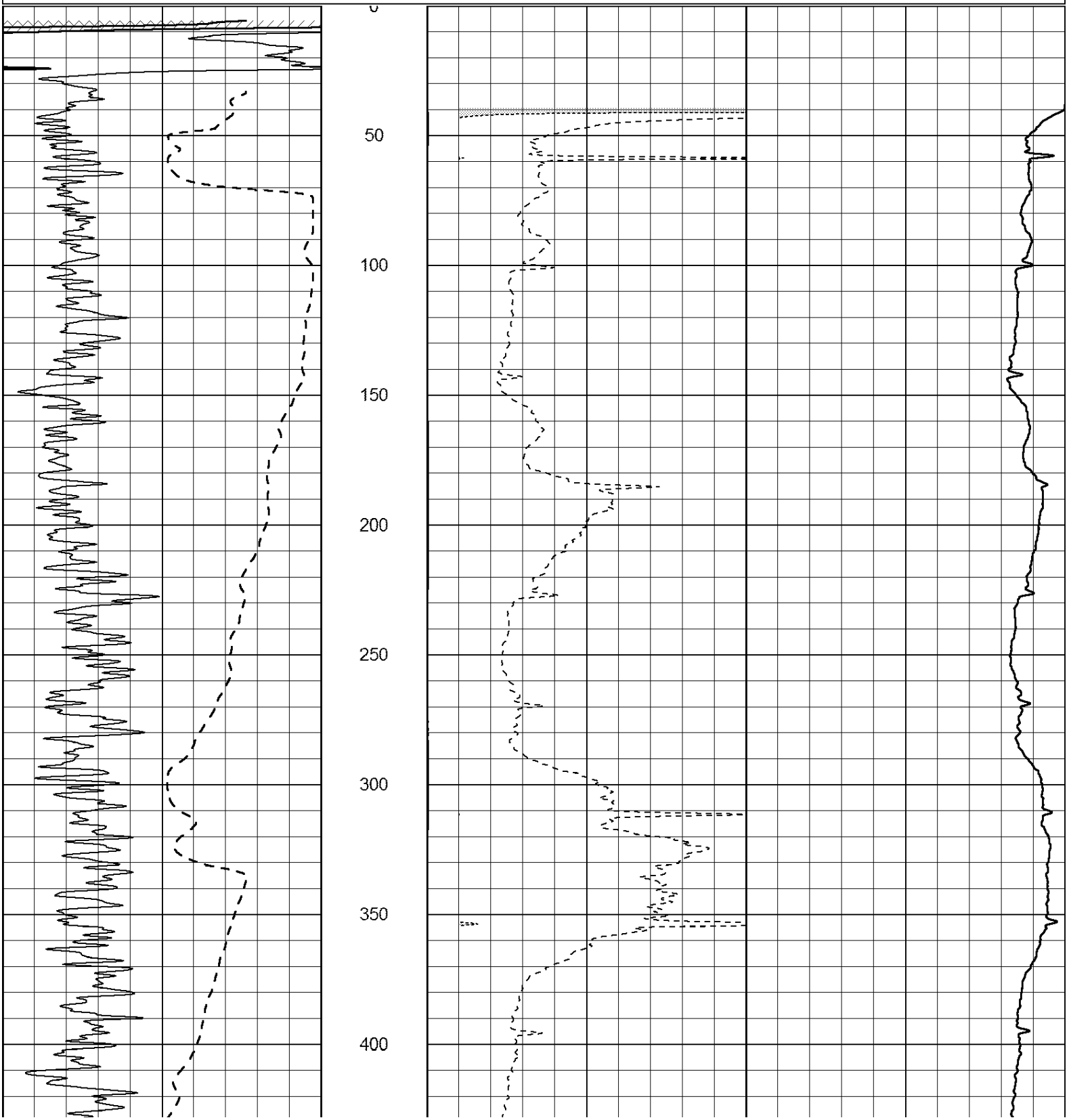
DIRECTIONS
KINGSDOWN NORTH 1 MILE, EAST 1.5, SOUTH INTO.

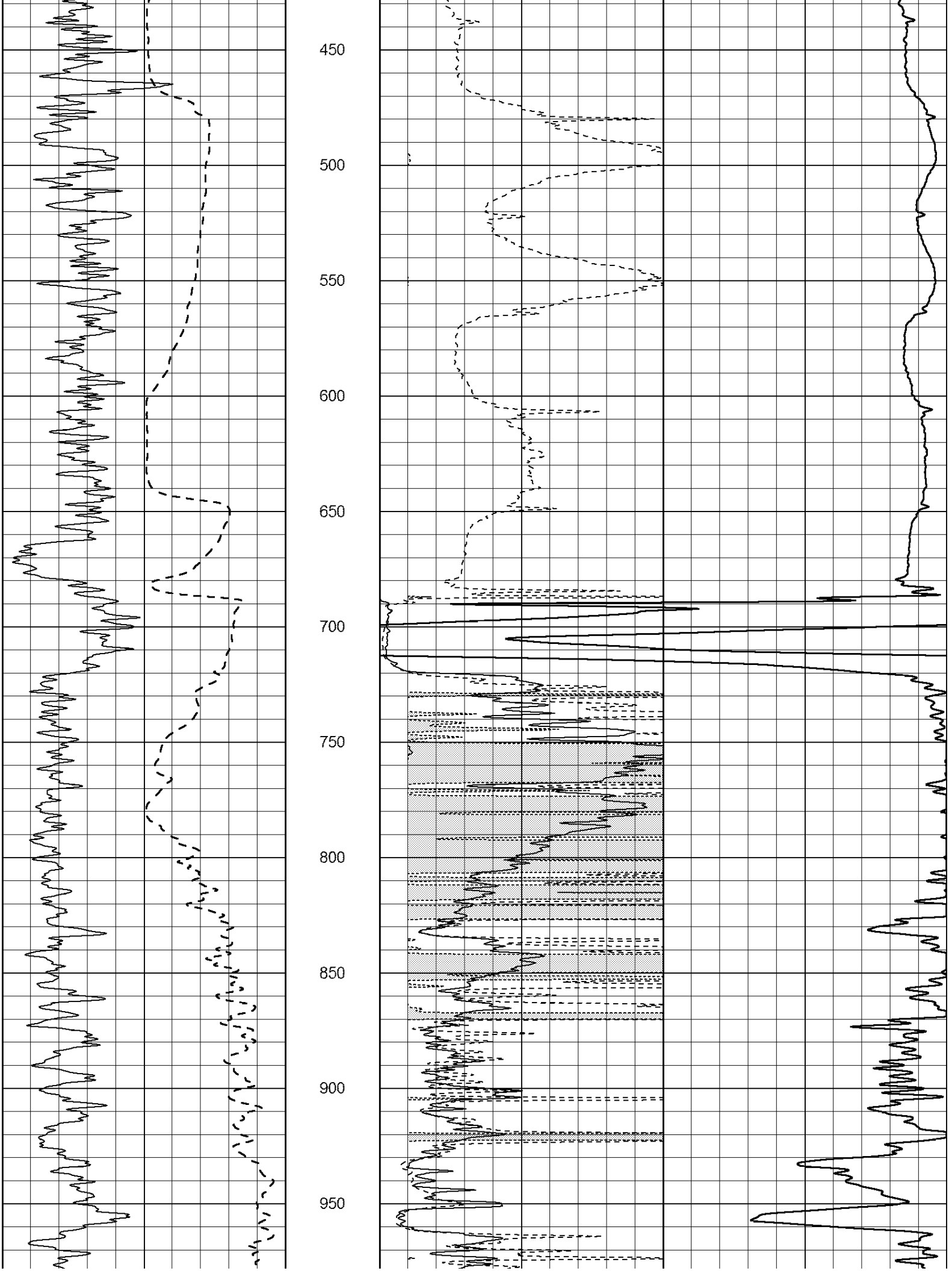
MAIN PASS

Database File: 4462pe.db
Dataset Pathname: pass5.1
Presentation Format: _dil2
Dataset Creation: Sat Nov 23 11:42:30 2019
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
-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

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650
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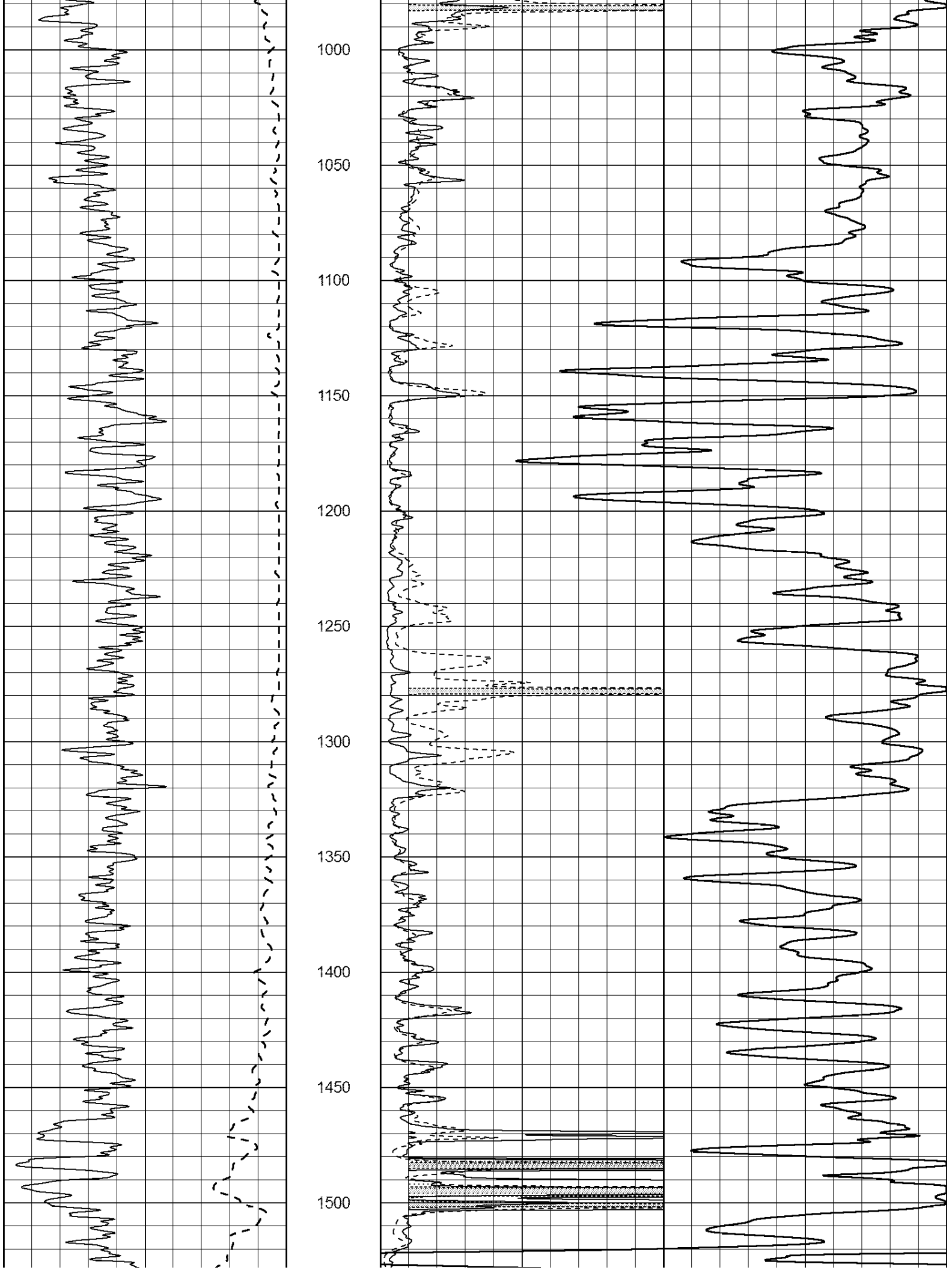
850
900
950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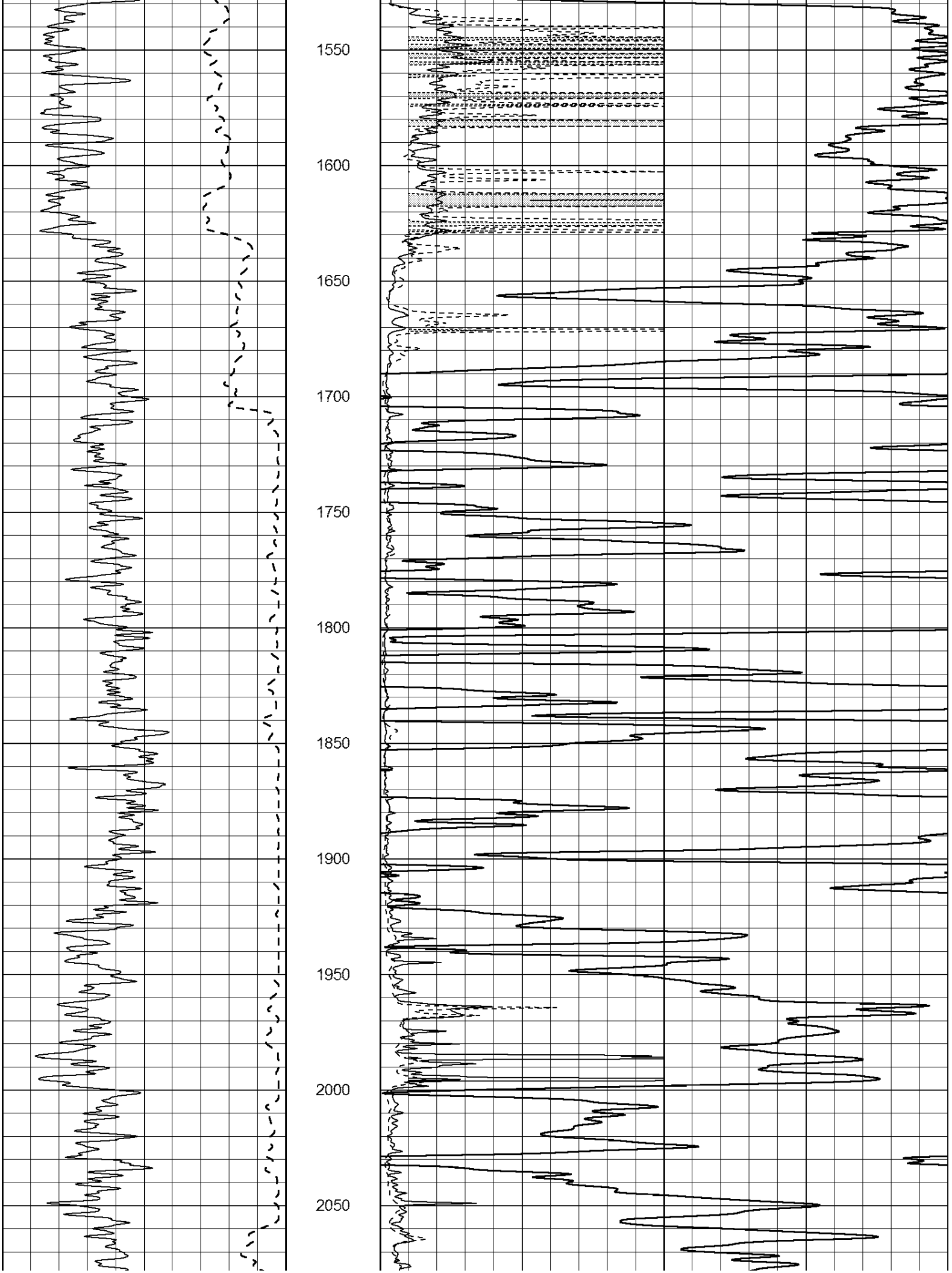
1150
1200
1250
1300
1350
1400
1450
1500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1600
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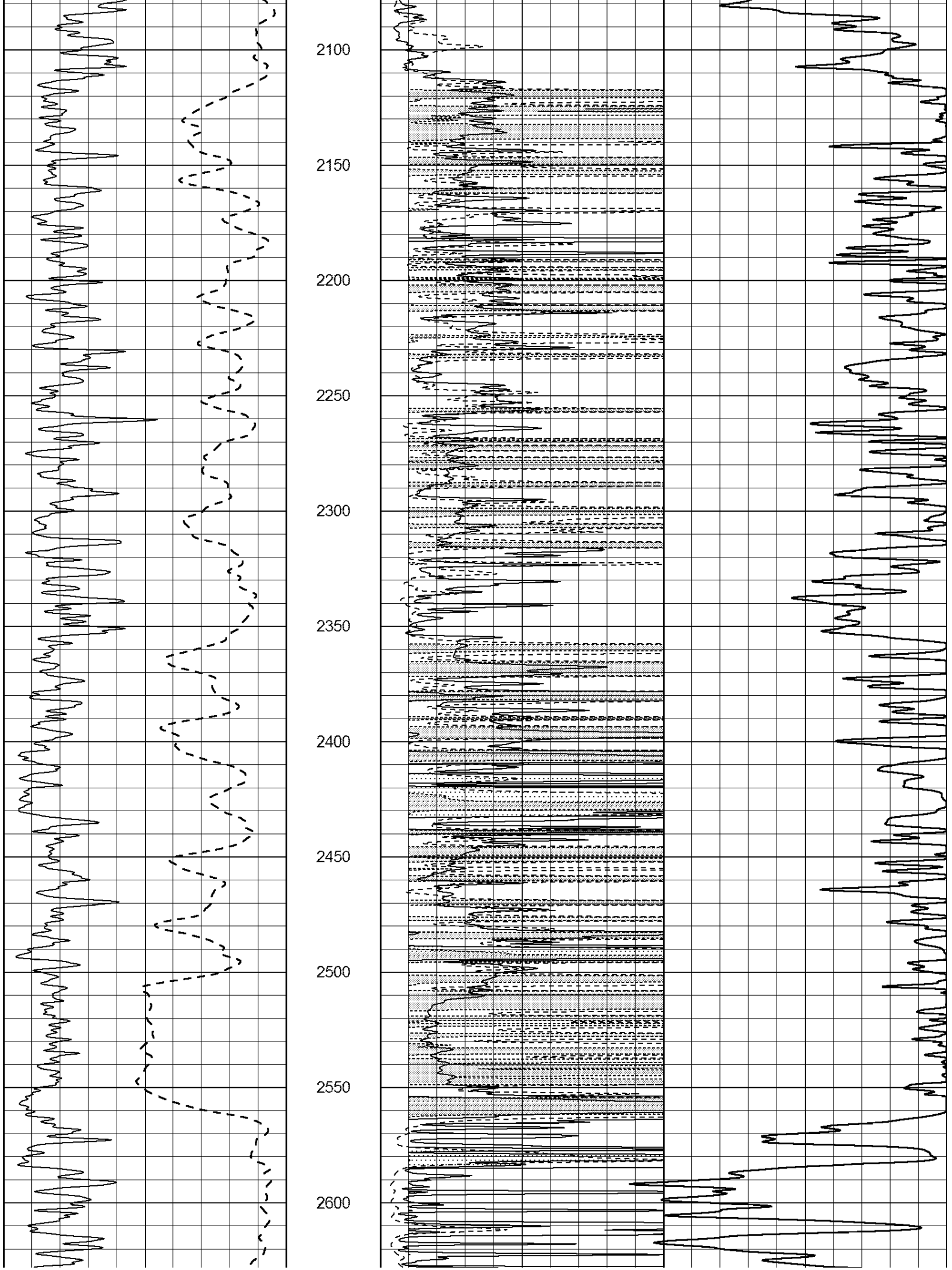
1700
1750
1800
1850
1900
1950
2000
2050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2400
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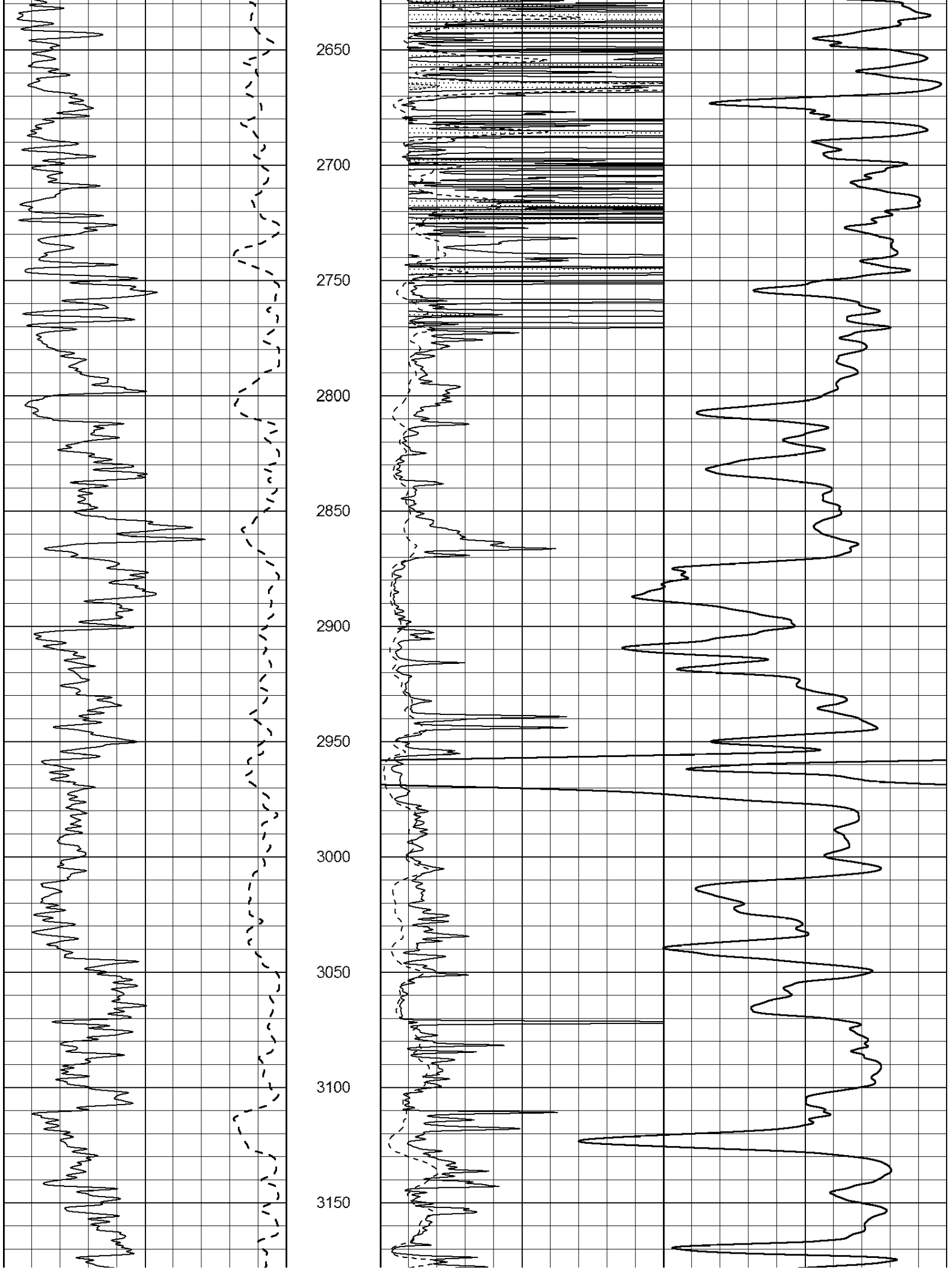
2500
2550
2600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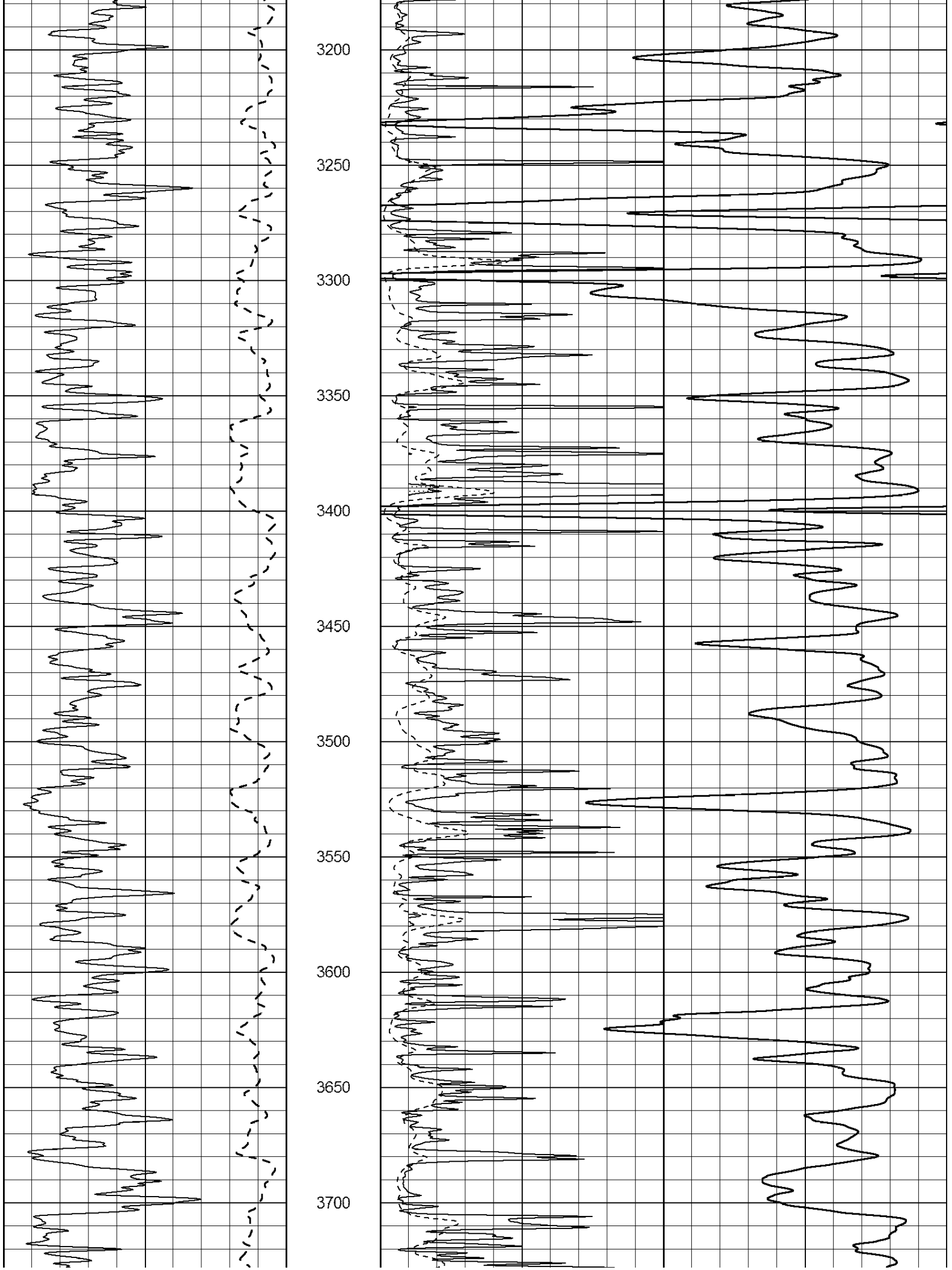
3050
3100
3150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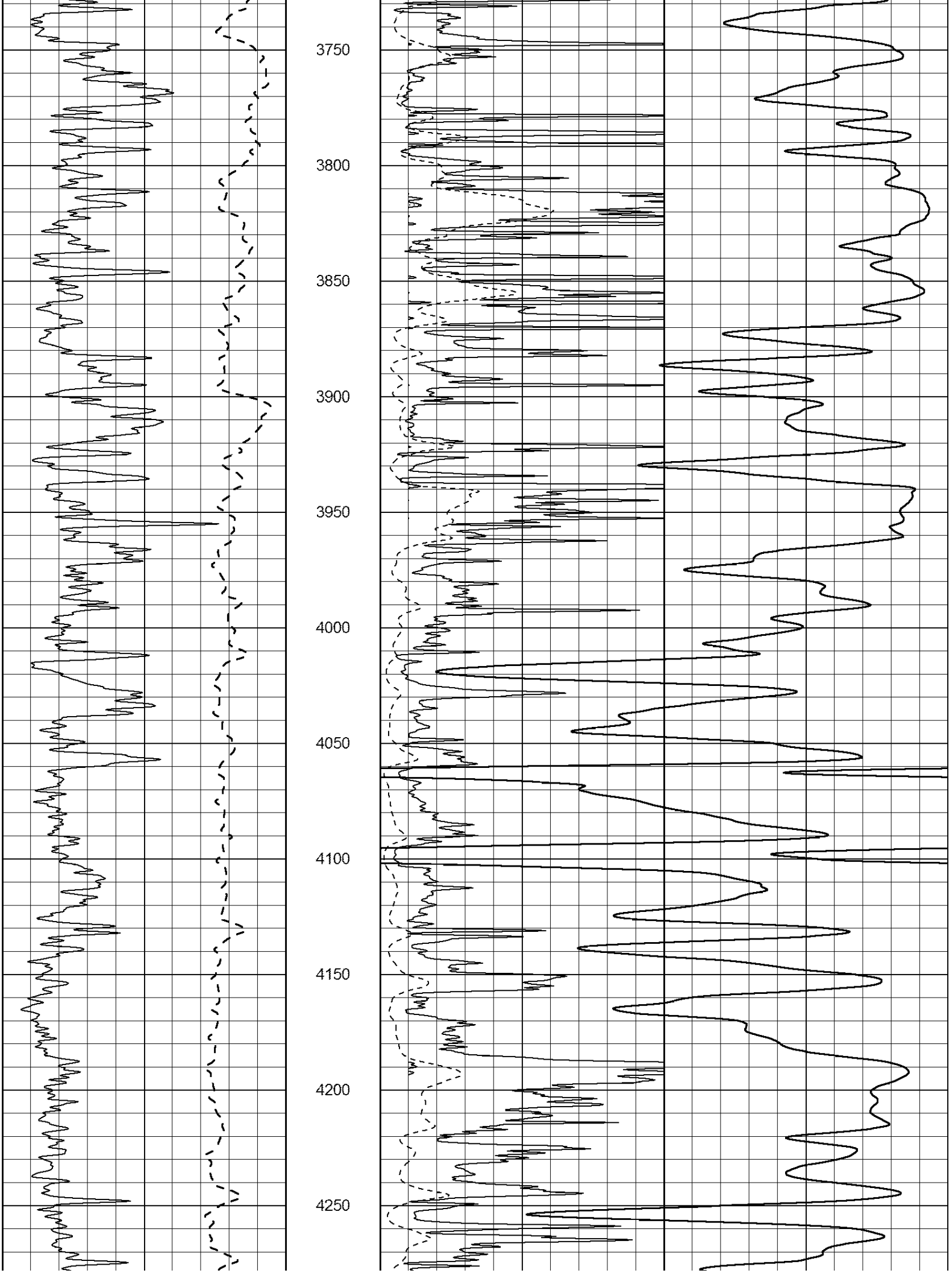
3650
3700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4050
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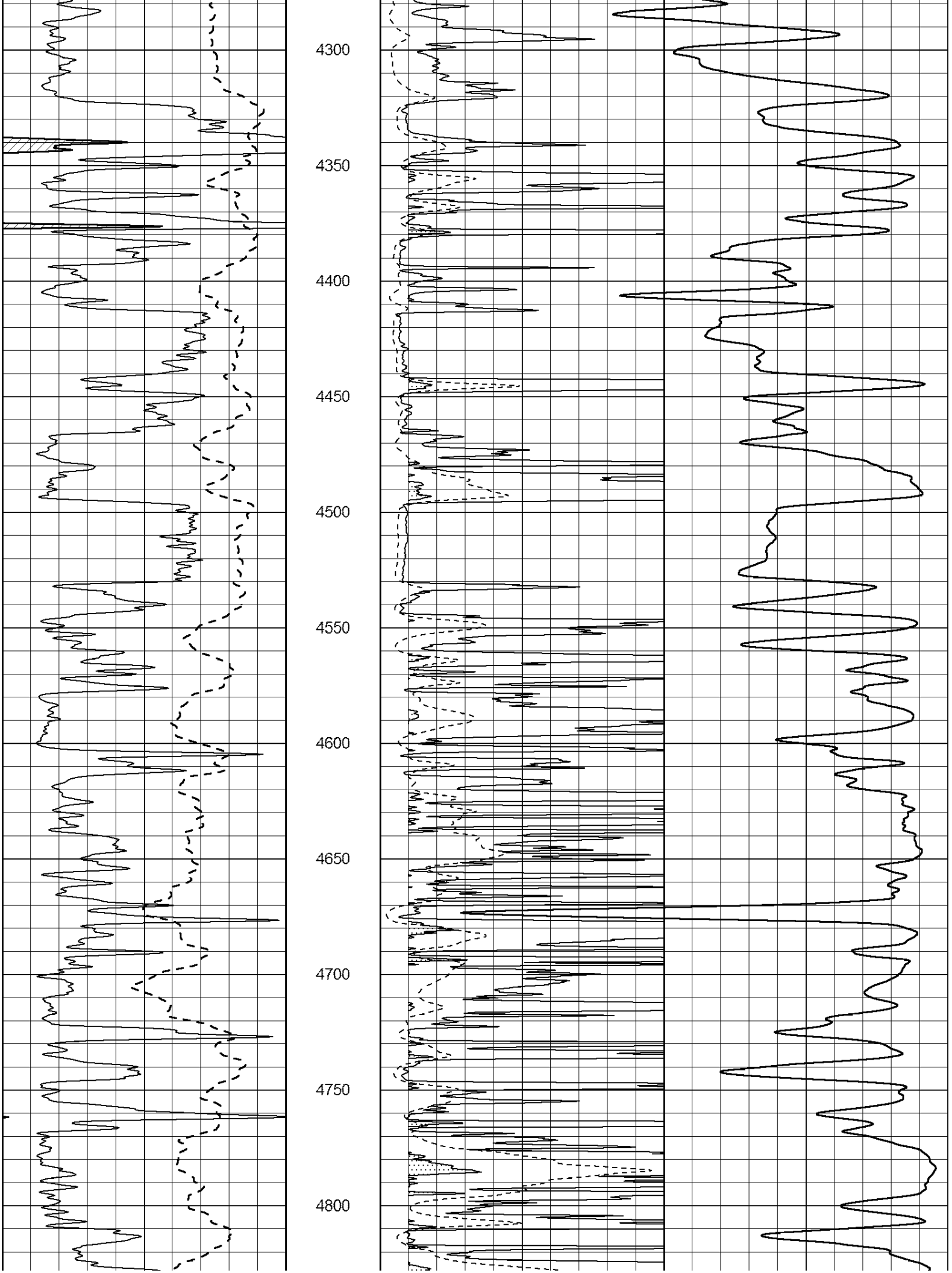
4250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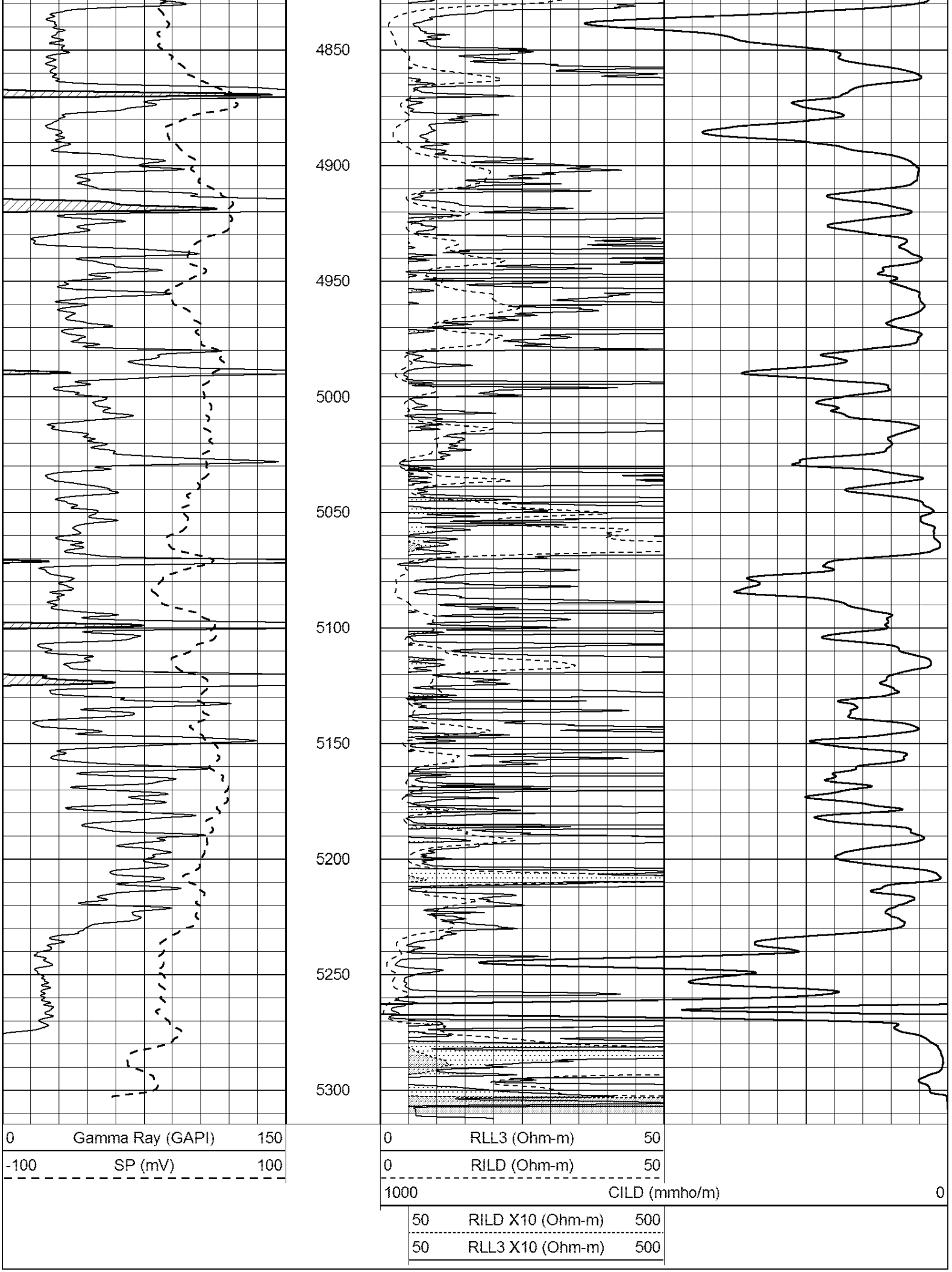
4800

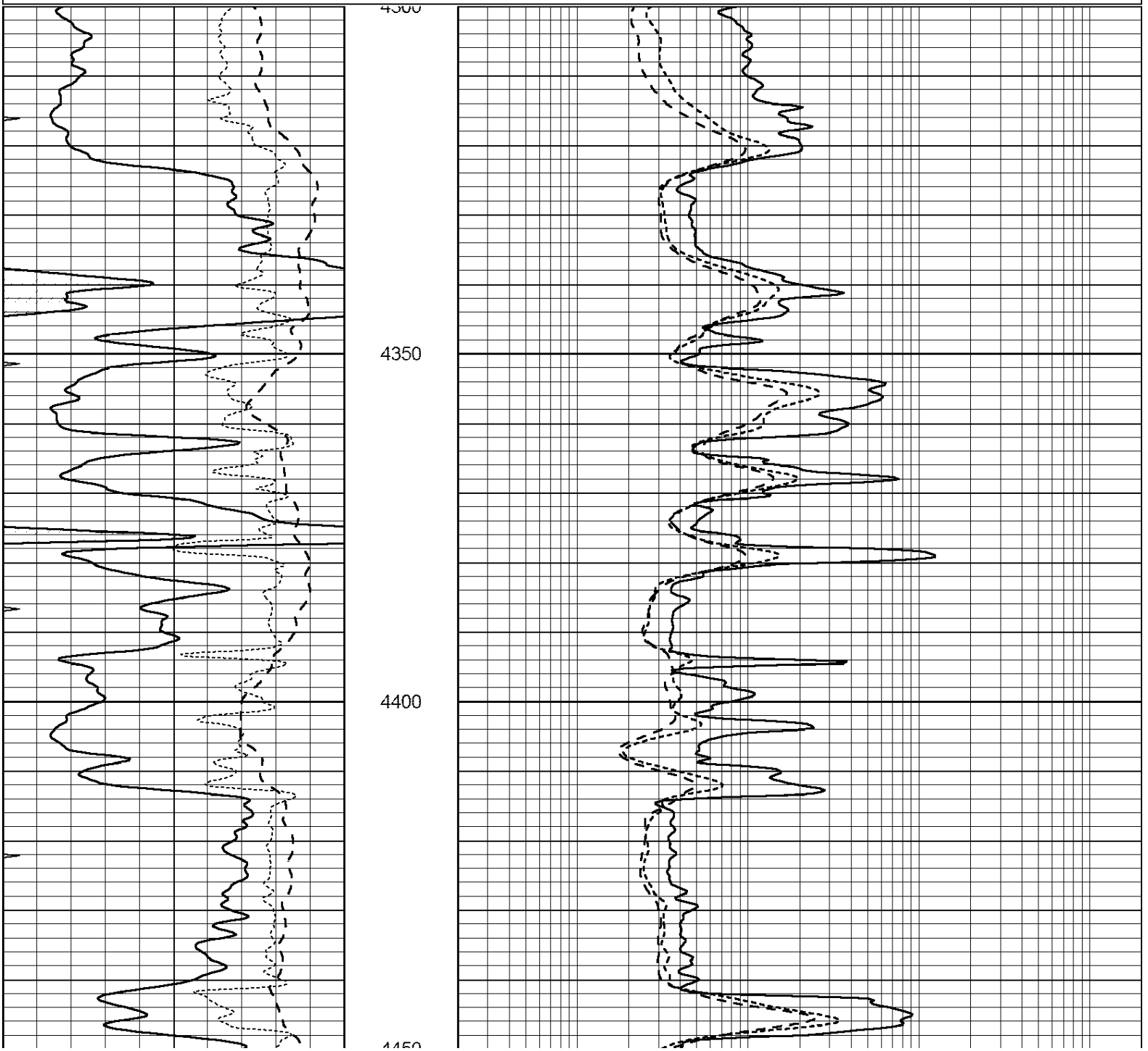

4850
4900
4950
5000
5050
5100
5150
5200
5250
5300
0 Gamma Ray (GAPI) 150
-100 SP (mV) 100
0 RLL3 (Ohm-m) 50
0 RILD (Ohm-m) 50
1000 CILD (mmho/m) 0
50 RILD X10 (Ohm-m) 500
50 RLL3 X10 (Ohm-m) 500

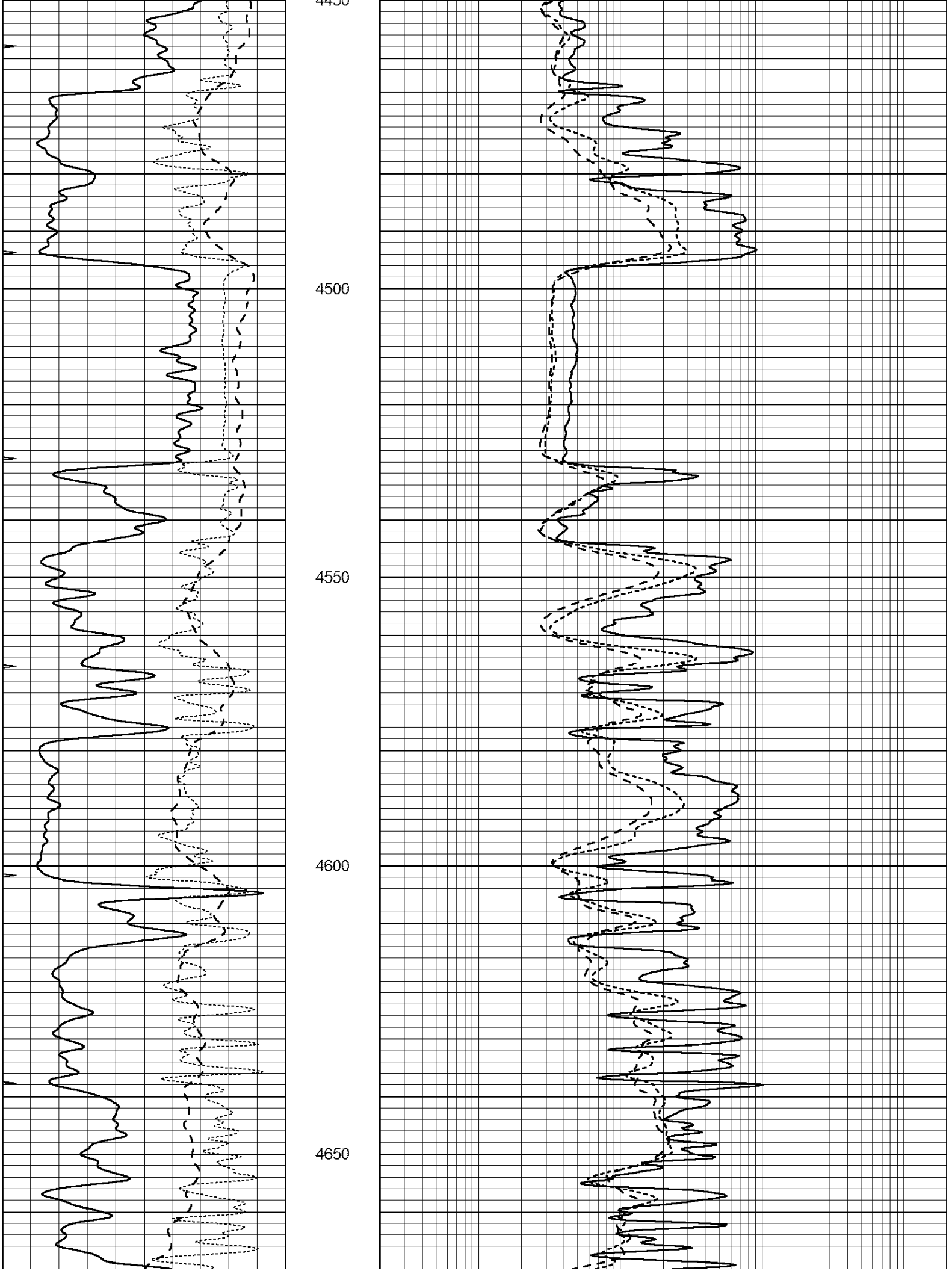
MAIN PASS

Database File:	4462pe.db
Dataset Pathname:	pass5.1
Presentation Format:	_dil
Dataset Creation:	Sat Nov 23 11:42:30 2019
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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

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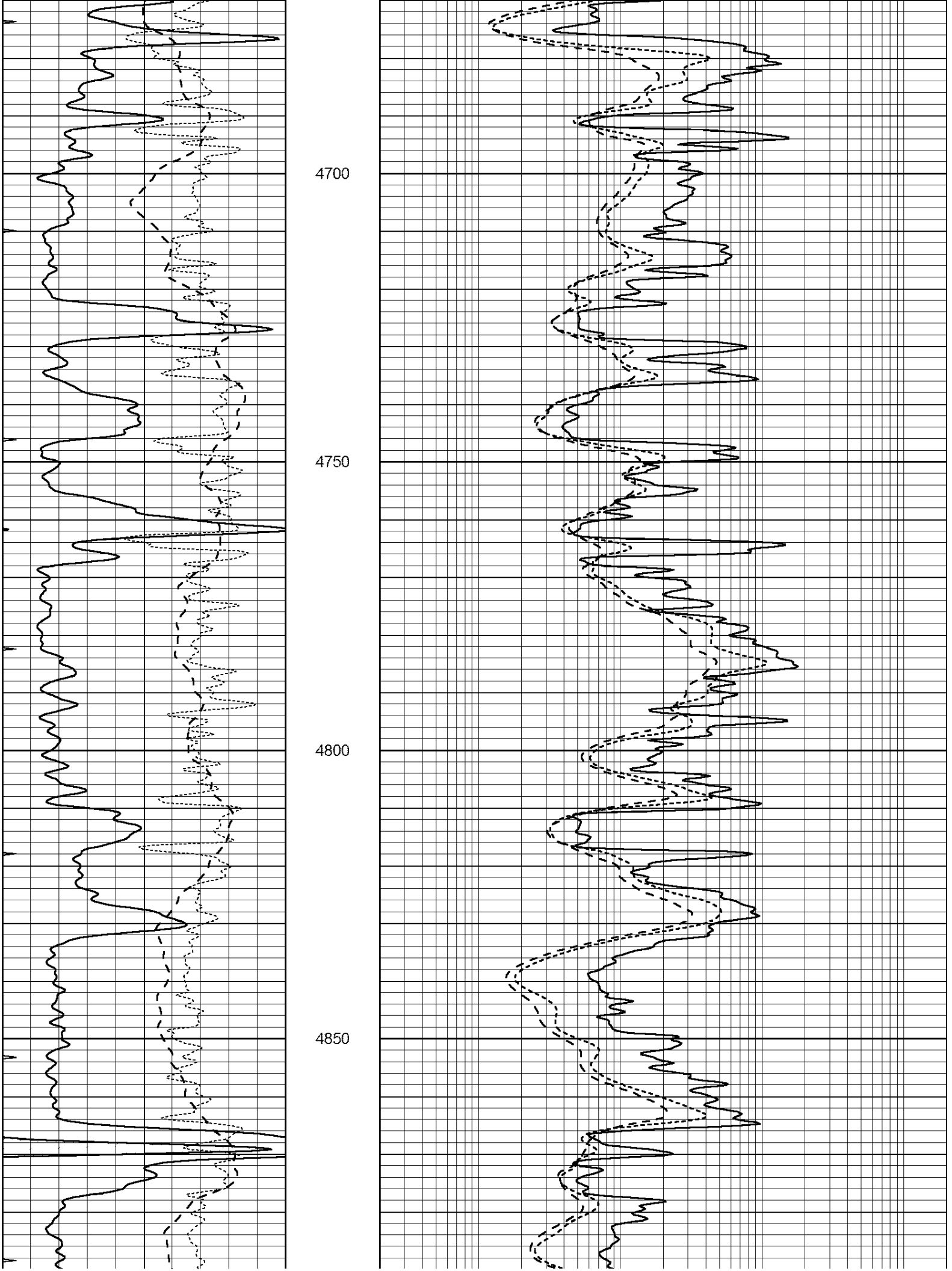
4500
4550
4600
4650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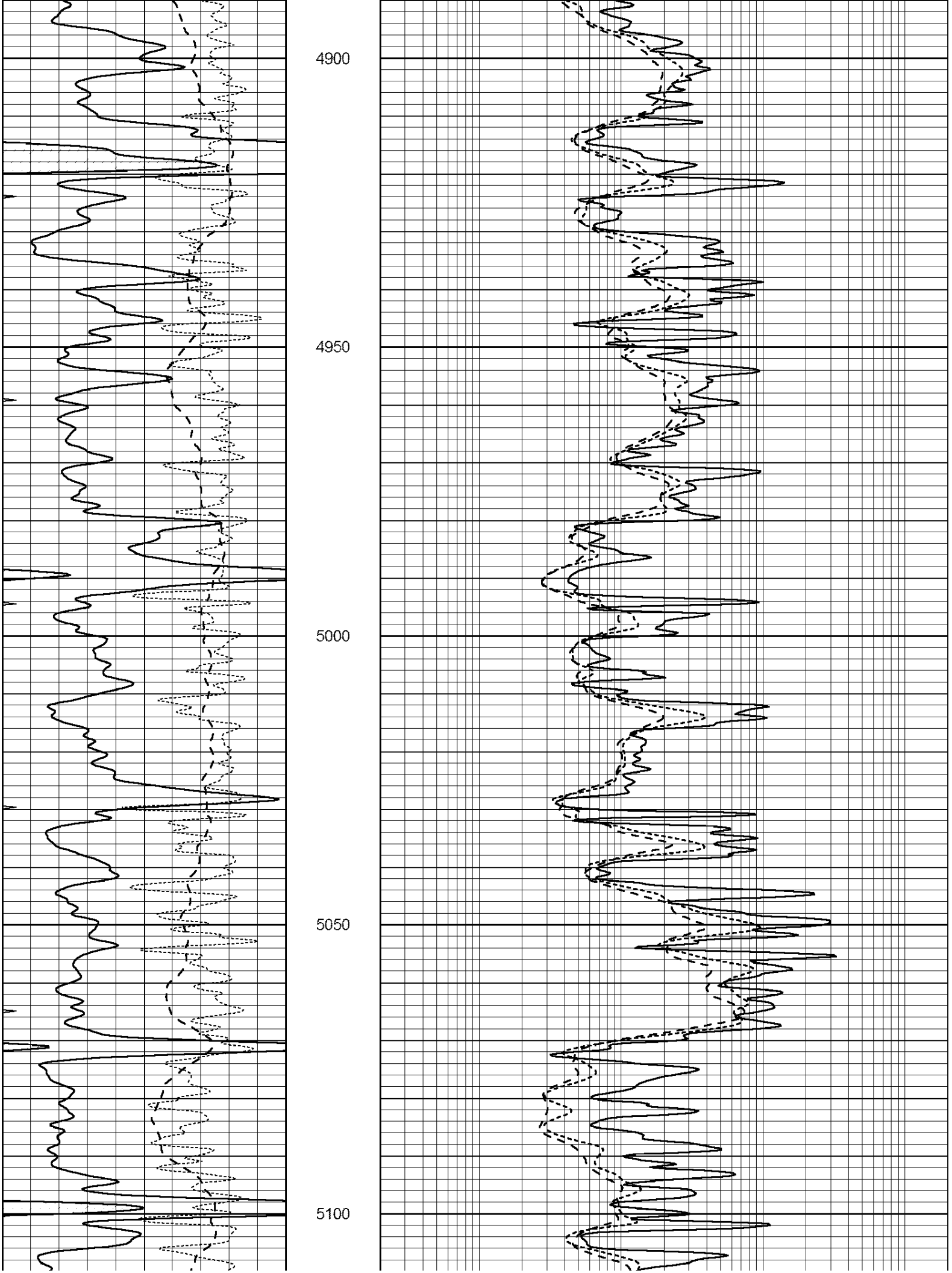
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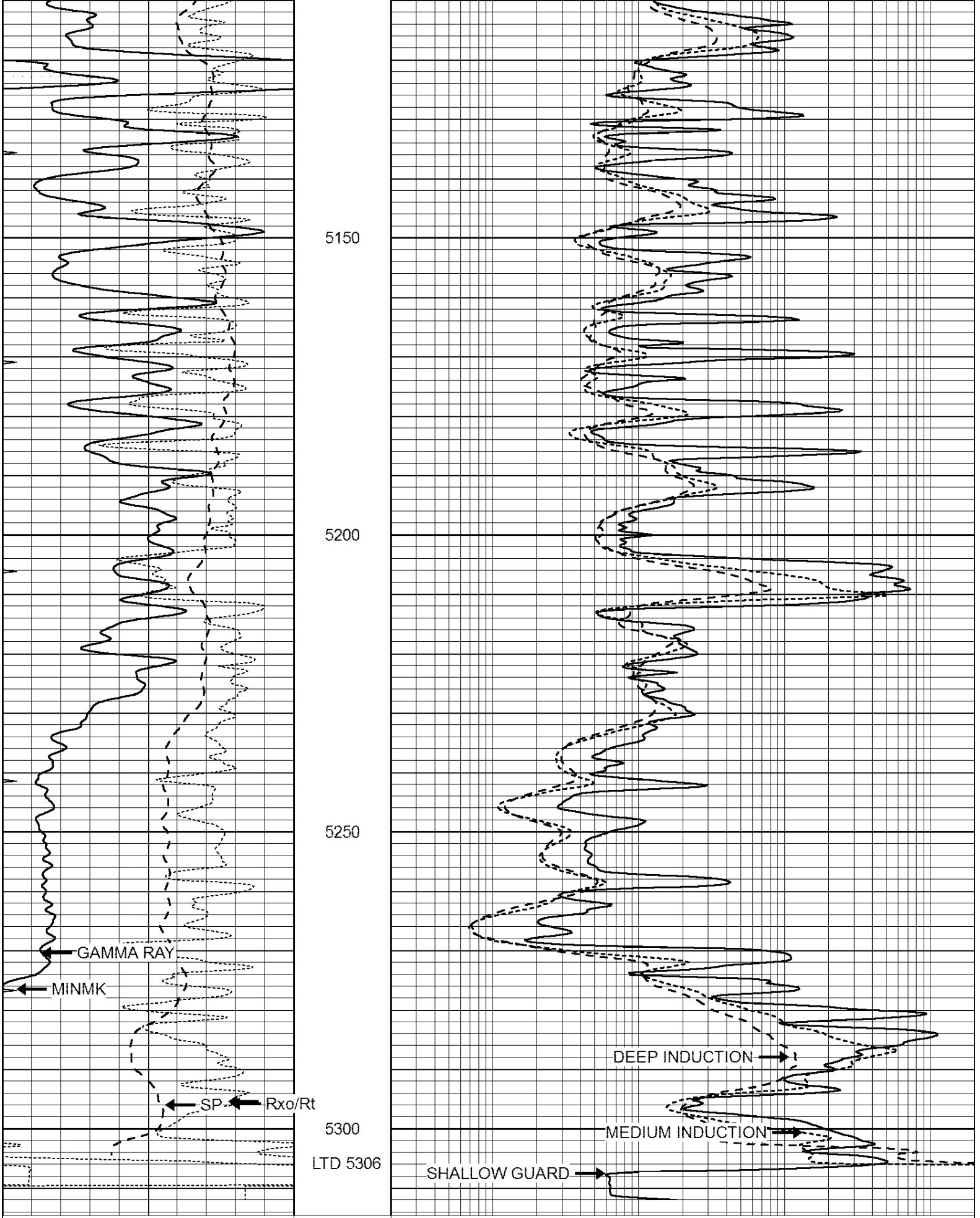
4950
5000
5050
5100


5150
5200
5250
5300
LTD 5306
GAMMA RAY
MINMK
SP
Rxo/Rt
DEEP INDUCTION
MEDIUM INDUCTION
SHALLOW GUARD
0 GAMMA RAY (GAPI) 150
-100 SP (mV) 100
-250 Rxo/Rt 50
0.2 SHALLOW GUARD (Ohm-m) 2000
0.2 DEEP INDUCTION (Ohm-m) 2000
0.2 MEDIUM INDUCTION (Ohm-m) 2000

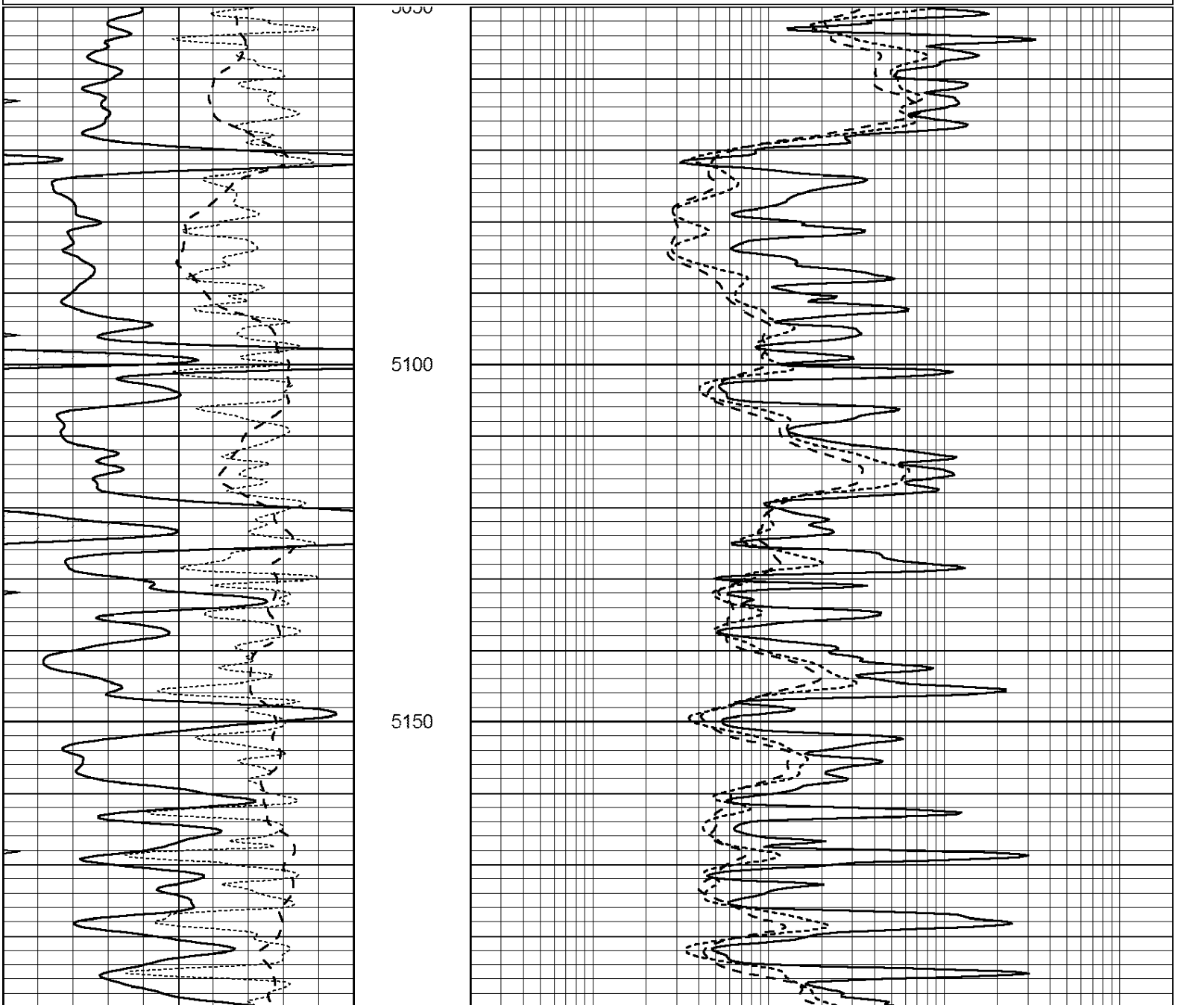
0	MINMK	20

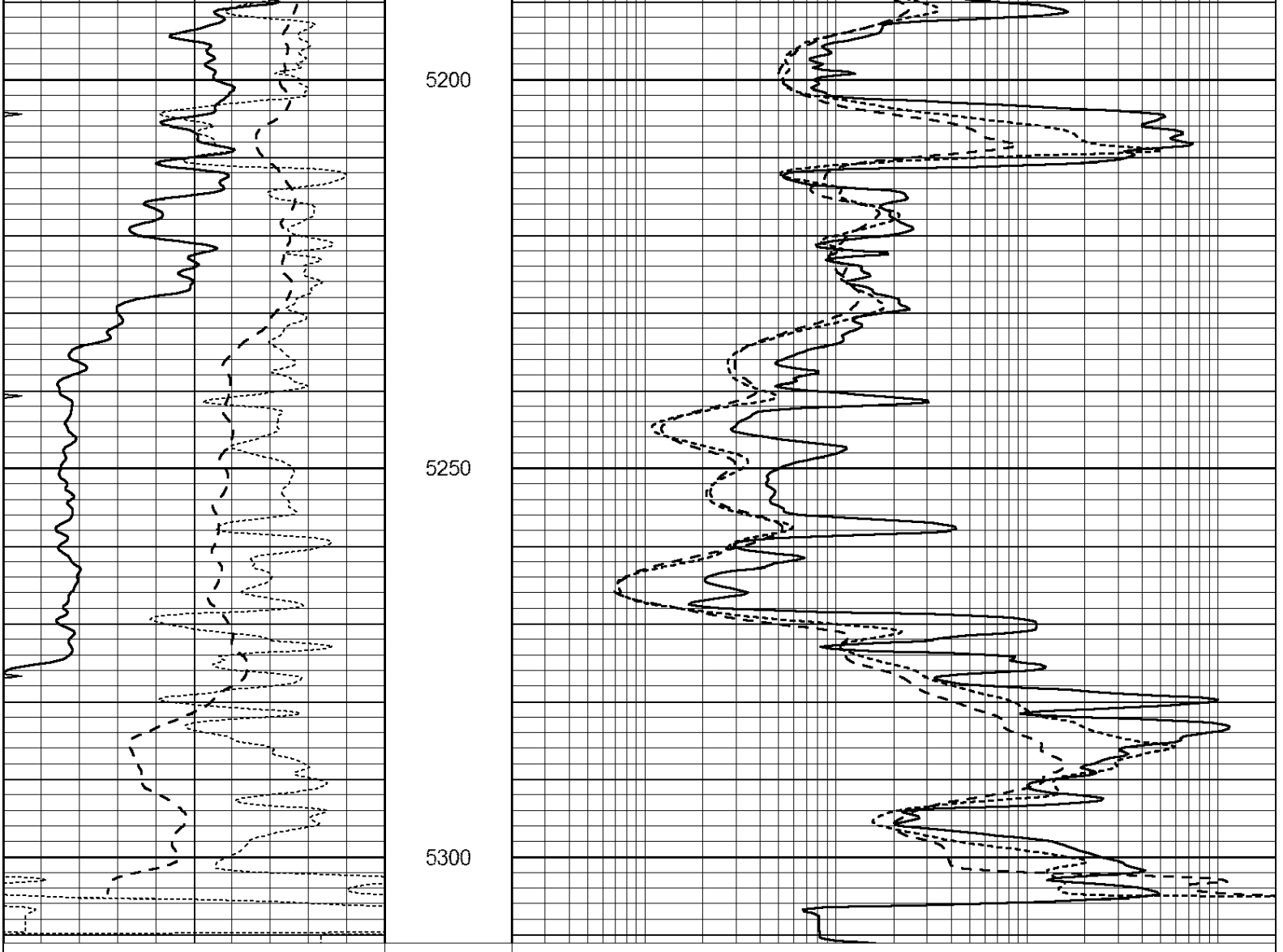
REPEAT SECTION

Database File:	4462pe.db
Dataset Pathname:	pass4RP
Presentation Format:	_dil
Dataset Creation:	Sat Nov 23 10:05:12 2019 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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





Calibration Report

Database File: 4462pe.db
Dataset Pathname: pass4RP
Dataset Creation: Sat Nov 23 10:05:12 2019 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Mon Sep 10 14:28:35 2018
Downhole Cal Performed:	Mon Sep 10 14:28:38 2018
After Survey Verification Performed:	Mon Sep 10 14:28:40 2018

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	620.000	0.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-12.000

Internal:	Zero	Cal		Zero	Cal		m	b

Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report
Serial: 002N Model: PRB

Master Calibration — Performed Fri Nov 15 10:35:24 2019

	Background	Magnesium	Aluminum	Sandstone	
Window 1	787.1	6921.0	2135.1	8114.7	cps
Window 2	727.1	5838.4	1850.2	6732.1	cps
Window 3	582.0	2903.9	1086.1	3274.7	cps
Window 4	176.1	176.4	176.3	175.0	cps
Long Space	0.0	5111.3	1123.1	6005.0	cps
Short Space	1.4	1217.9	831.6	1310.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe		0.0000	2.5700	1.5500	

Rib Angle	: 45.9	Rib Slope	: 1.031	Density/Spine Ratio	: 0.563
Spine Angle	: 75.9	Spine Slope	: 3.971	Spine Intercept	: -19.7

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: 6I
Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

PRE-SURVEY VERIFICATION

	Detector	Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps		pu		pu
2)	Short Space		cps				
	Long Space		cps		pu		
3)	Short Space		cps				
	Long Space		cps		pu		

POST-SURVEY VERIFICATION

	Detector	Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps		pu		pu
2)	Short Space		cps				
	Long Space		cps		pu		pu
3)	Short Space		cps				
	Long Space		cps		pu		pu

Gamma Ray Calibration Report

Serial Number: GR6
Tool Model: OPEN
Performed: Wed Jul 03 12:57:34 2019

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 276.0 cps

Sensitivity: 0.5700 GAPI/cps