DUAL INDUCTION LOG

Company	SIROKY OIL MANAGEMENT, INC.
Well	STULL #1
Field	IUKA-CARMI
County	PRATT
State	KANSAS

Company SIROKY OIL MANAGEMENT, INC.

Well STULL #1

Field IUKA-CARMI

County PRATT State KANSAS

Location: API # : 15-151-22464-00-00

330 FNL & 2310' FEL

SEC 21 TWP 27S RGE 12W

Permanent Datum GROUND LEVEL Elevation 1842'

Log Measured From KELLY BUSHING 12' A.G.L.

Drilling Measured From KELLY BUSHING

Other Services: CDL/CNL/MEL

Elevation: K.B. 1854' D.F. 1852 G.L. 1842

Date	10/16/17		
Run Number	ONE		
Depth Driller	4555		
Depth Logger	4557		
Bottom Logged Interval	4555		
Top Log Interval	00		
Casing Driller	10 3/4" @ 339		
Casing Logger	339		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/57		
pH / Fluid Loss	11.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60@58		
Rmf @ Meas. Temp	.45@58		
Rmc @ Meas. Temp	.72@58		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.28@121		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	PATRICK DEENIHAN		

<<< Fold Here >>>

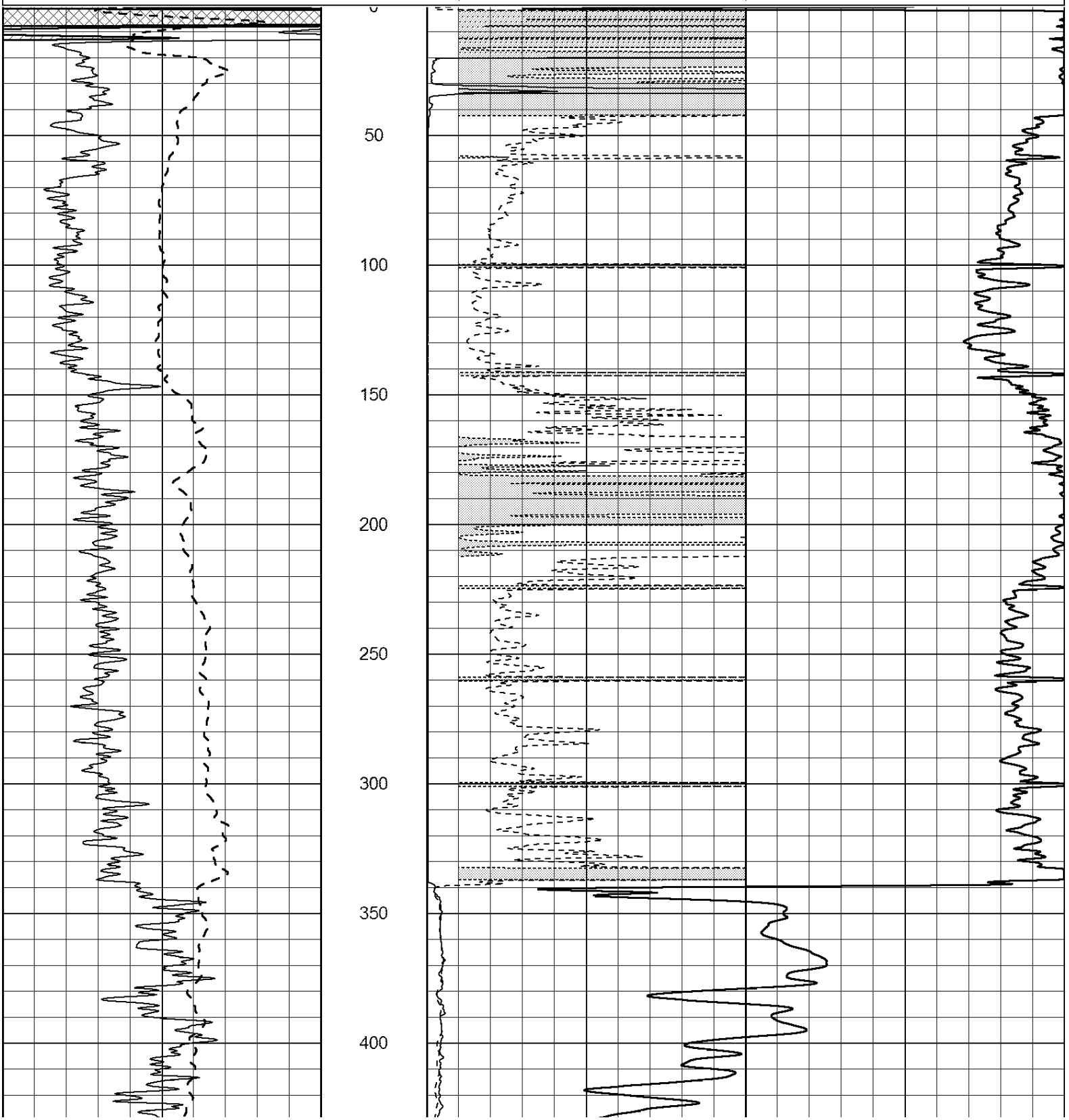
Comments

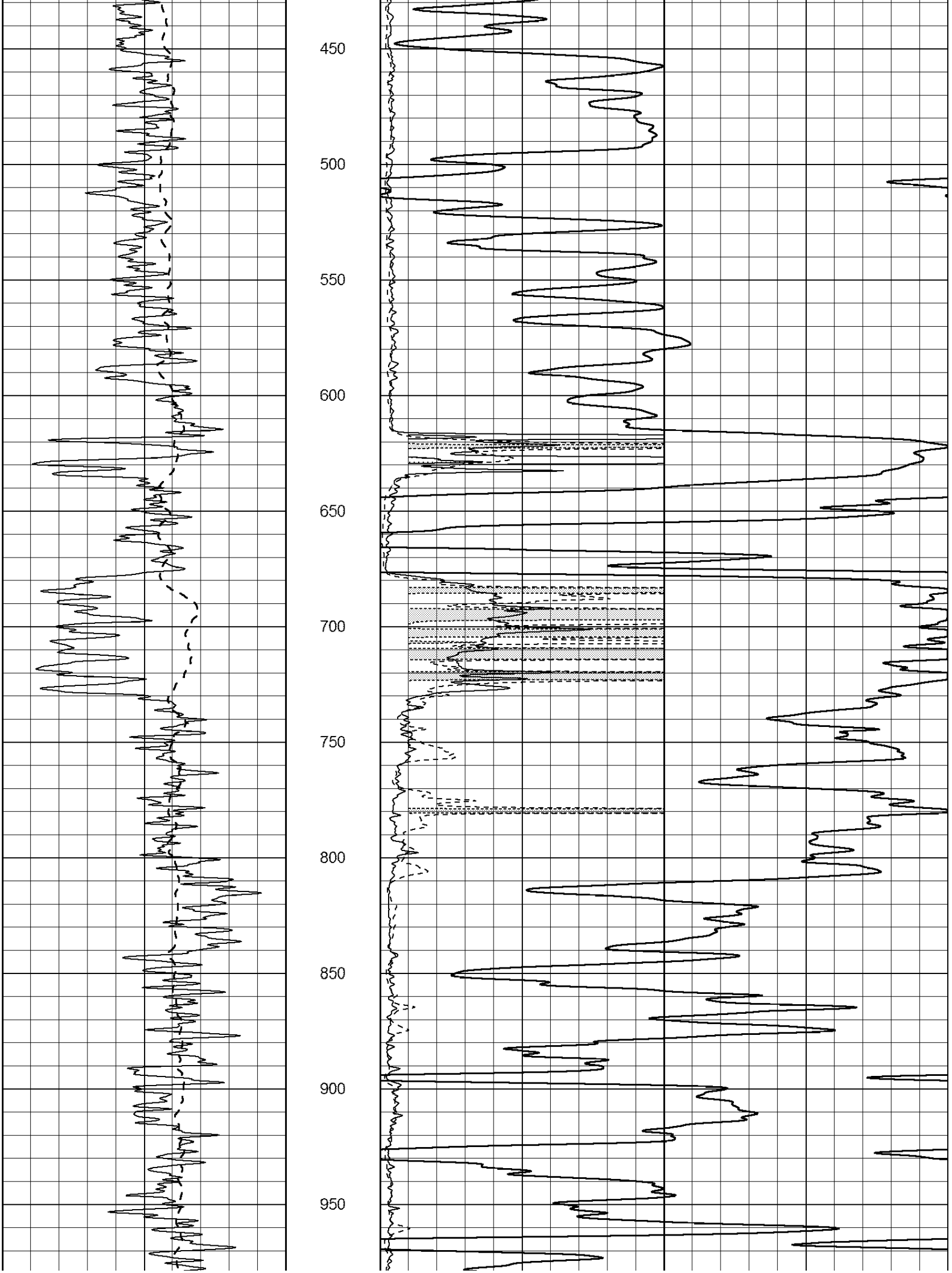
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

DIRECTIONS
PRATT NORTH ON HIGHWAY 61 TO RD. 20,
EAST TO THE T. NORTH 1 MILE, EAST 3/4 MILE,
SOUTH INTO.

MAIN PASS

Database File: 2102ddn.db
Dataset Pathname: pass7.1
Presentation Format: _dil2
Dataset Creation: Mon Oct 16 06:24:30 2017 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

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650
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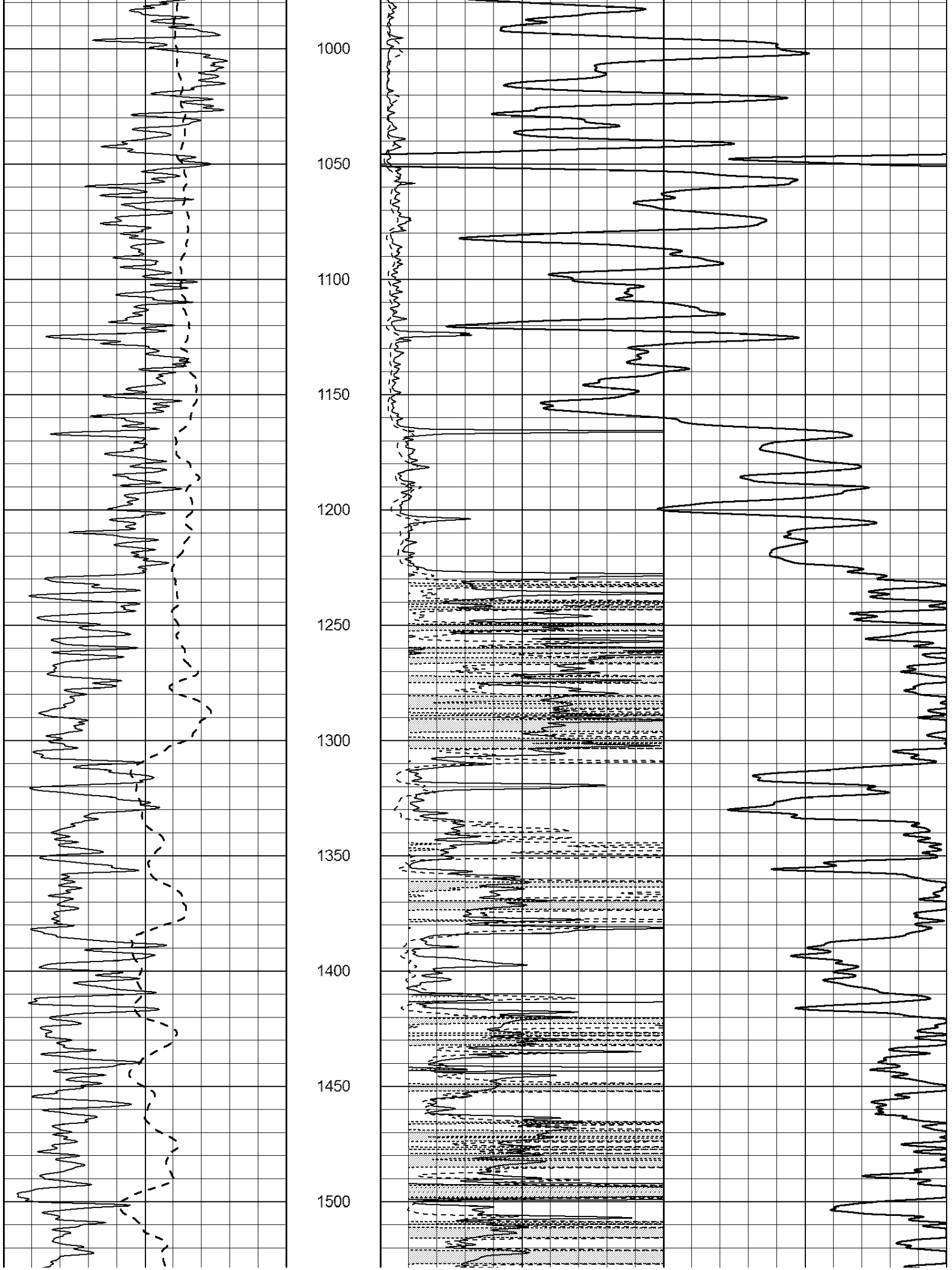
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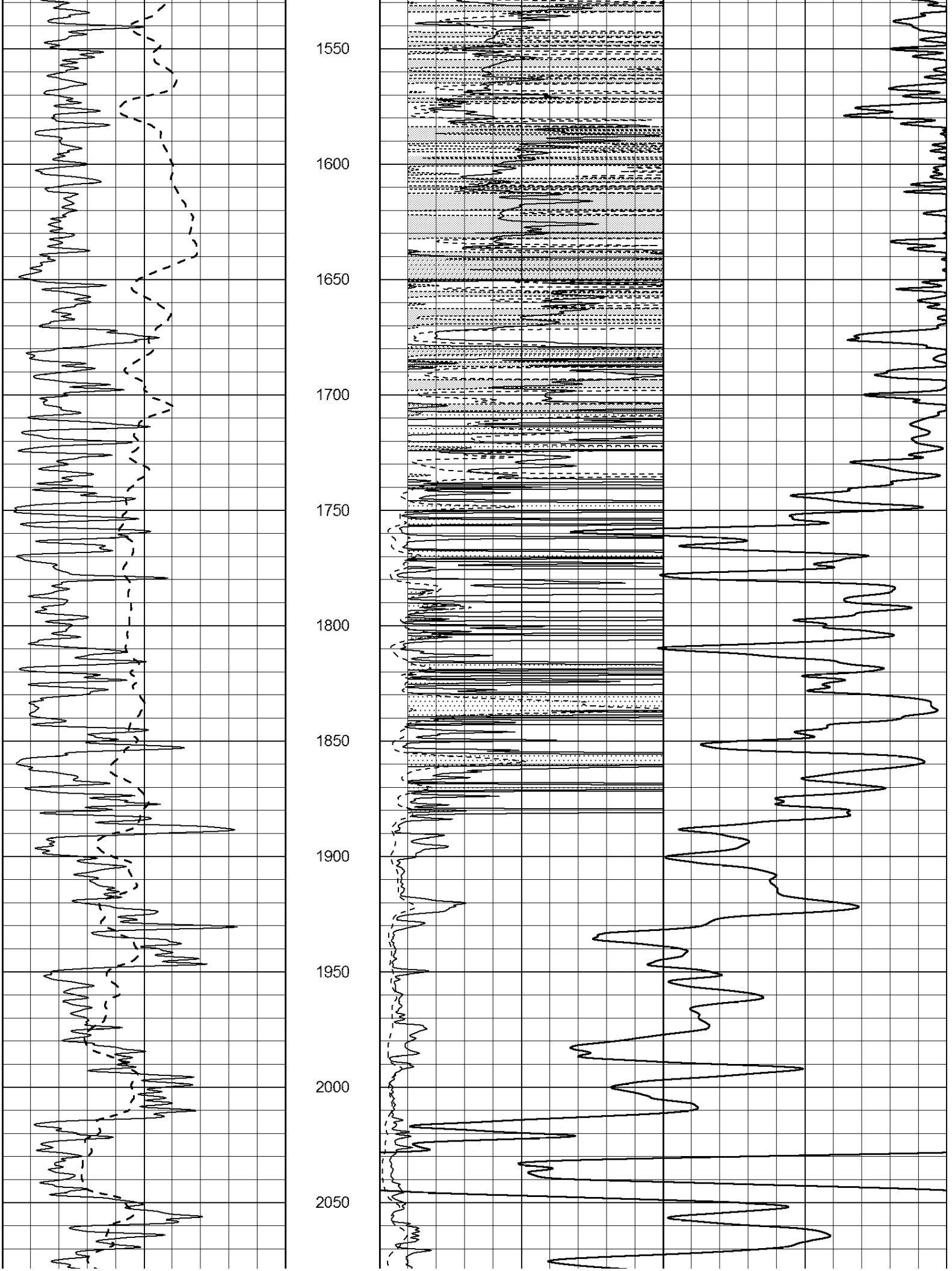
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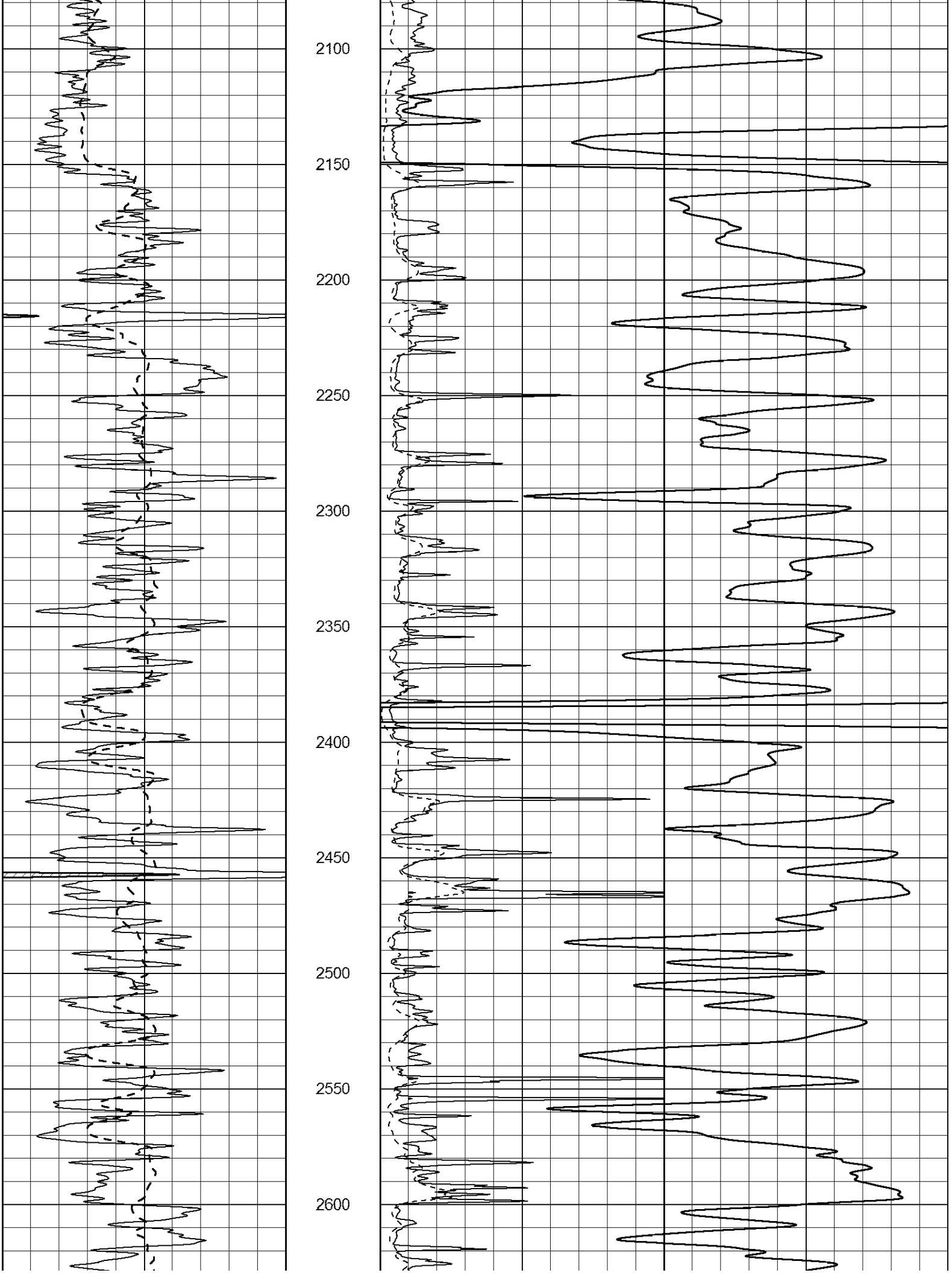
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2300
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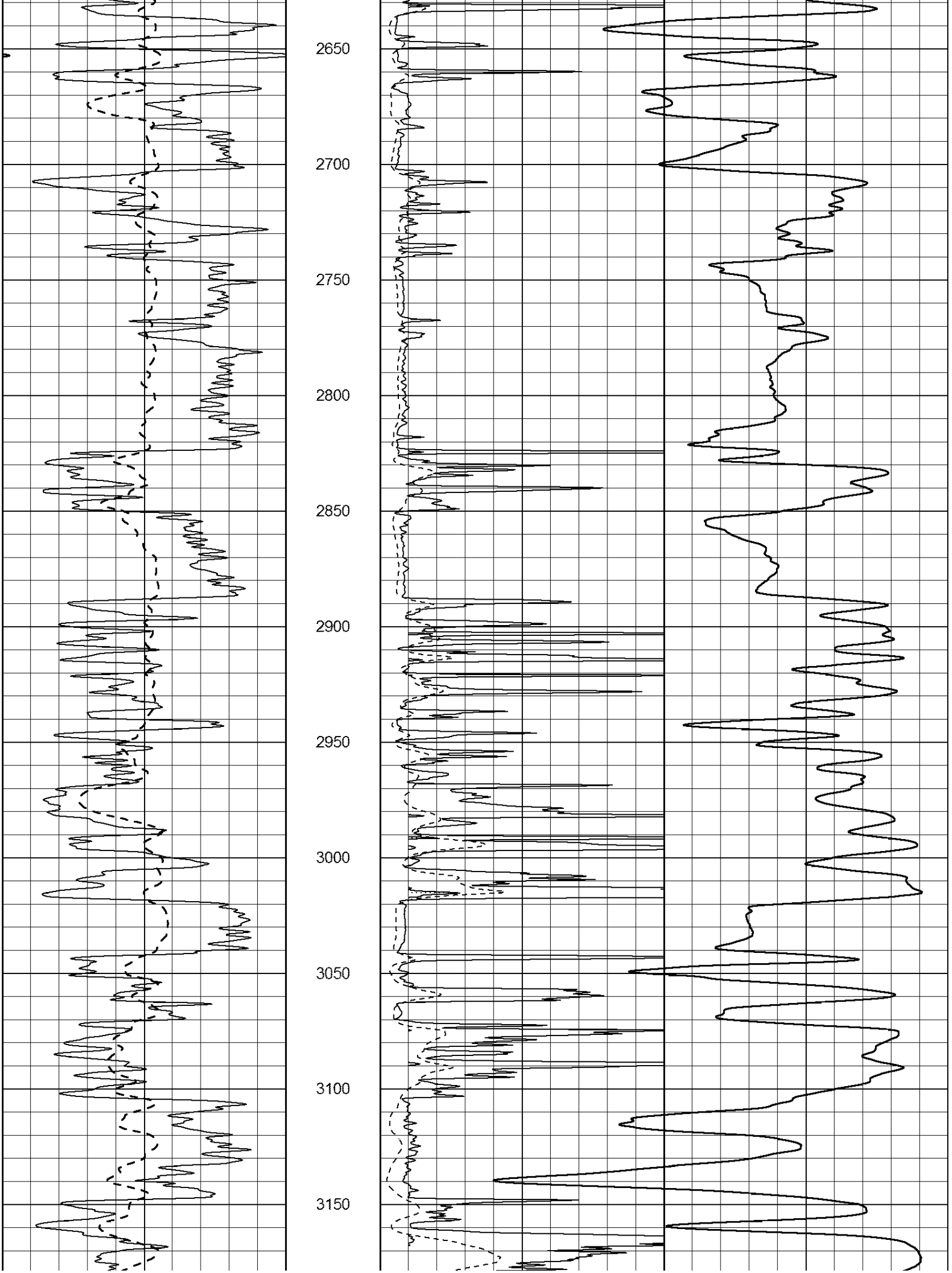
2400
2450
2500
2550
2600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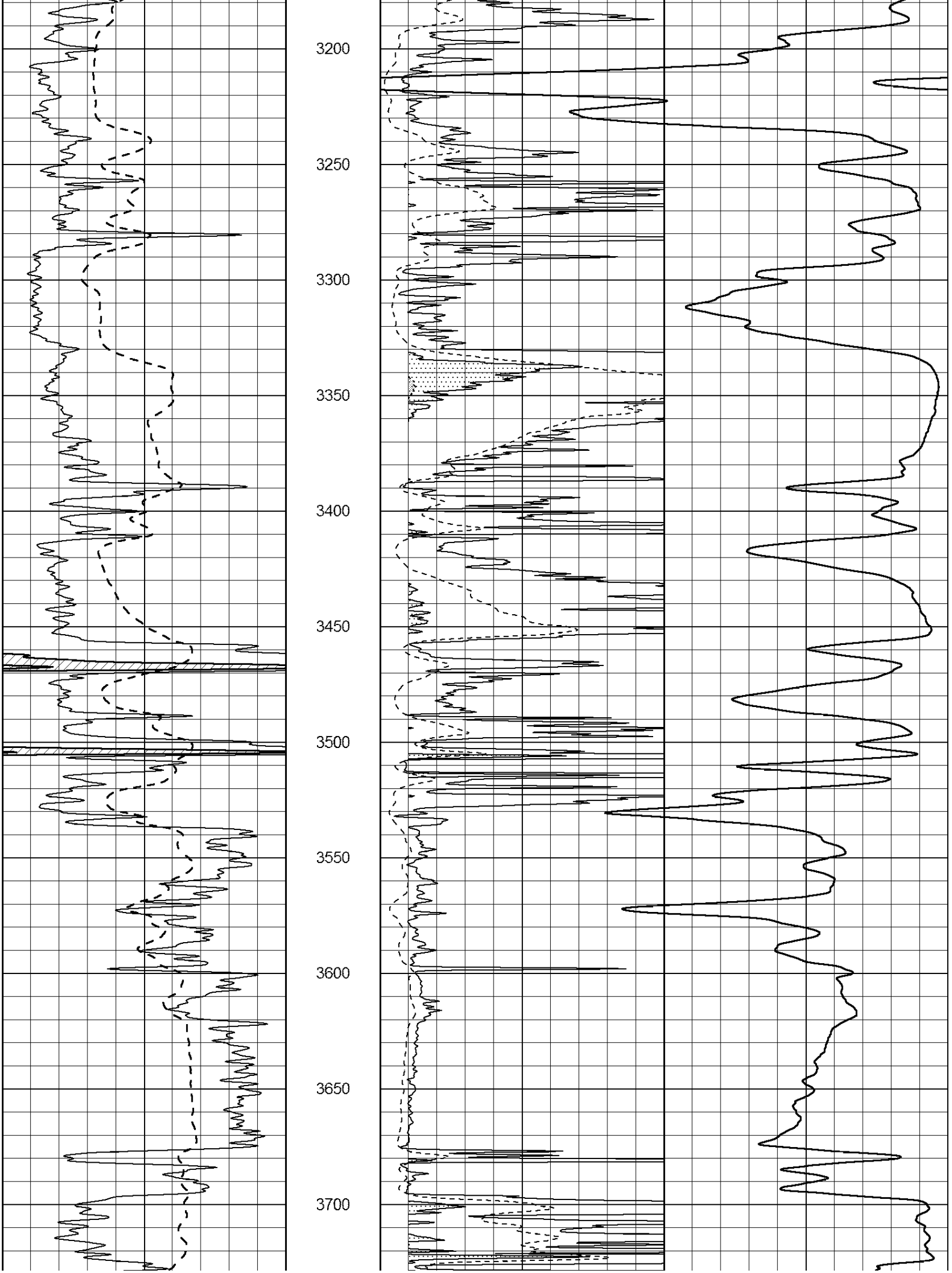
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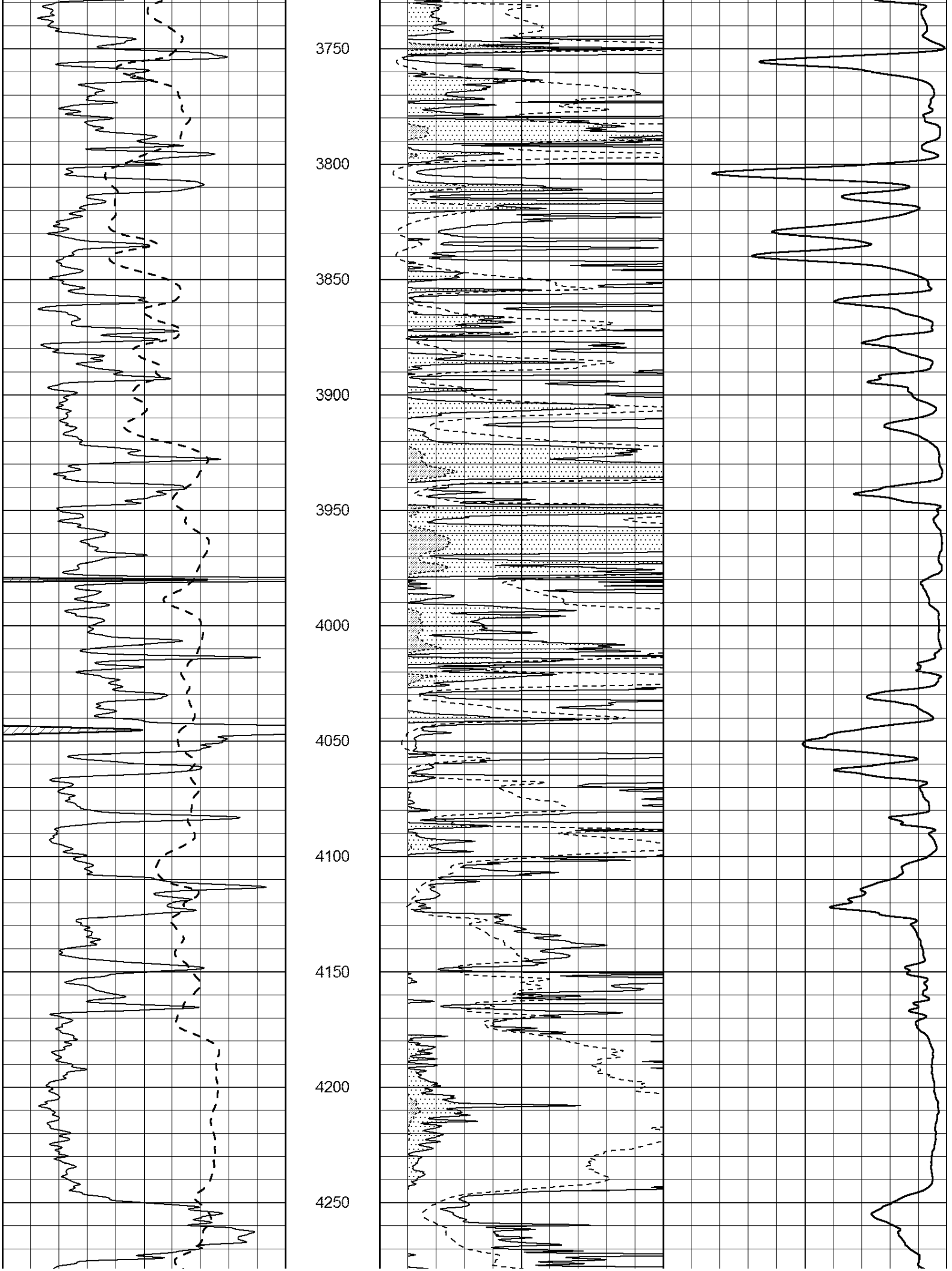
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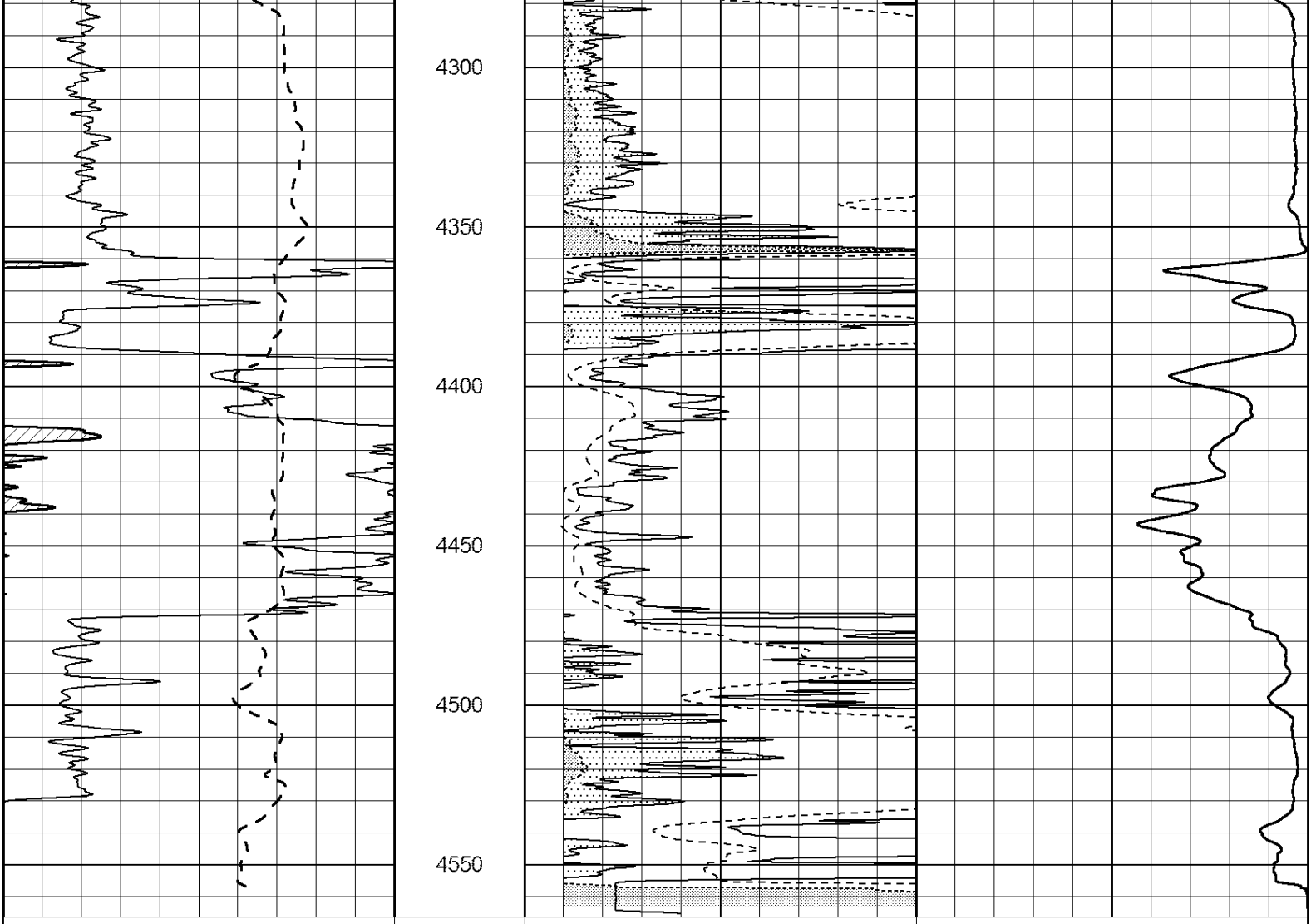
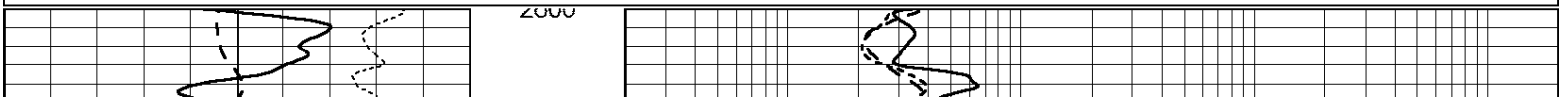


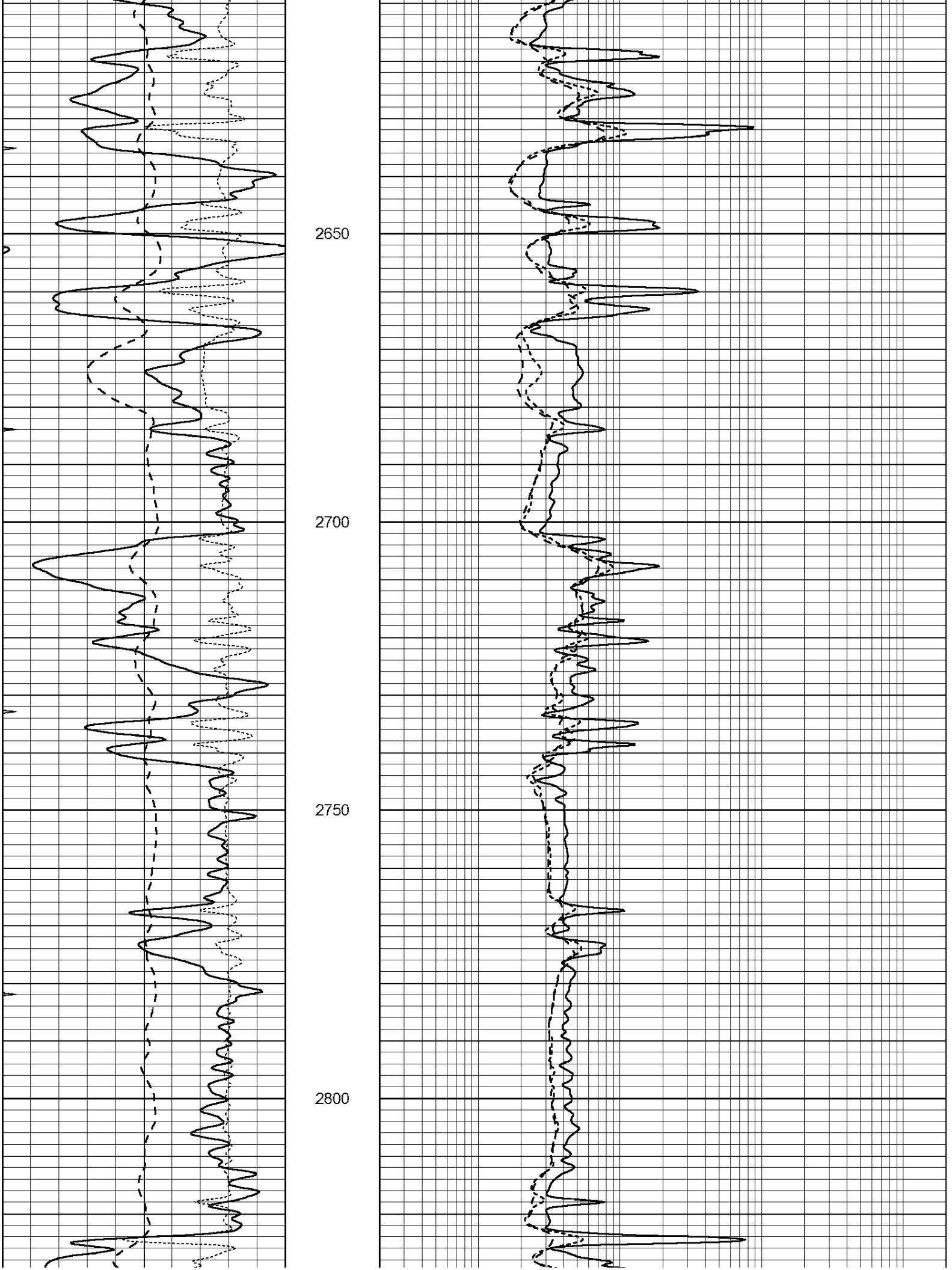
MAIN PASS

Database File: 2102ddn.db
Dataset Pathname: pass7.1
Presentation Format: _dil
Dataset Creation: Mon Oct 16 06:24:30 2017 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

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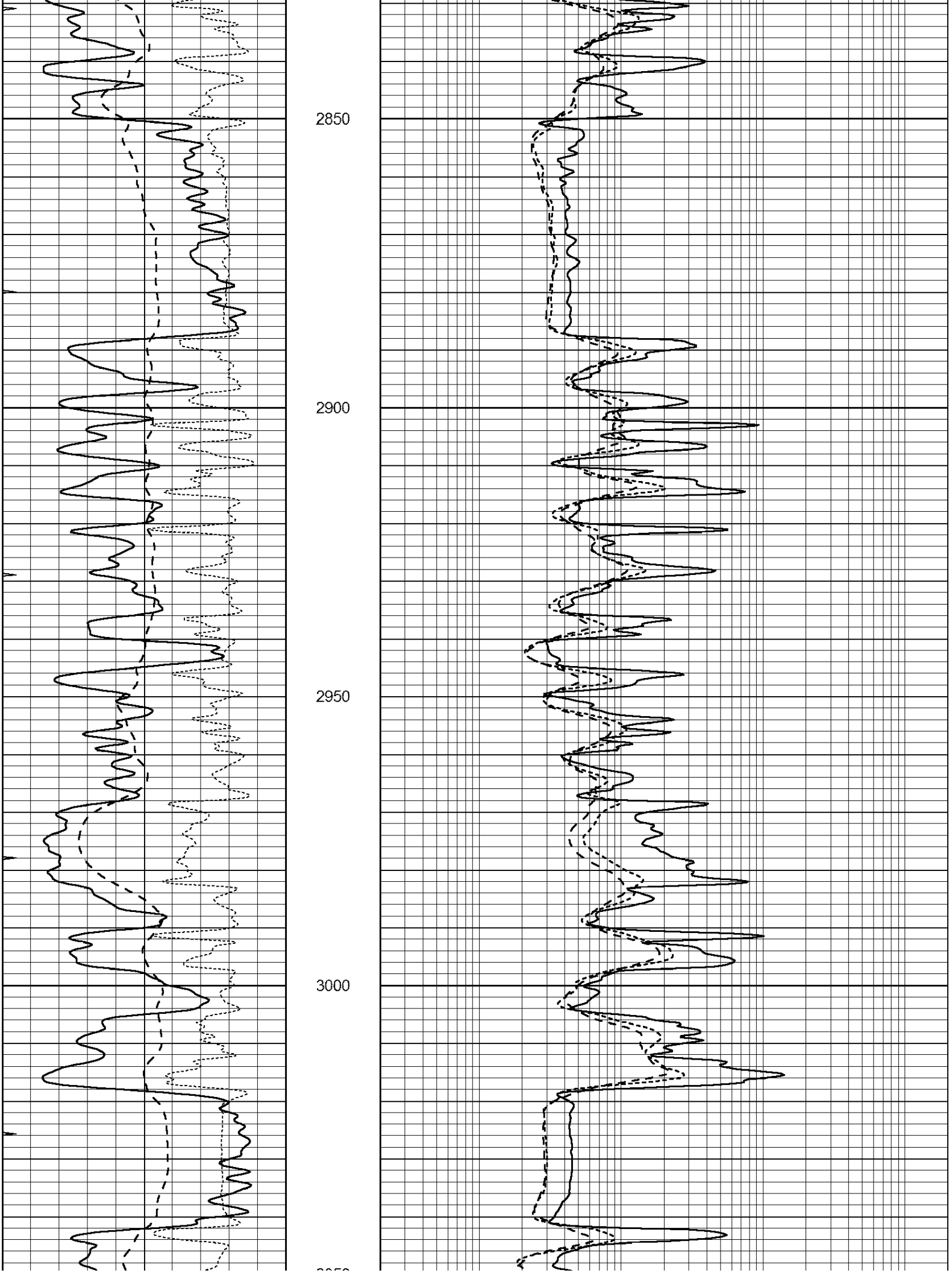
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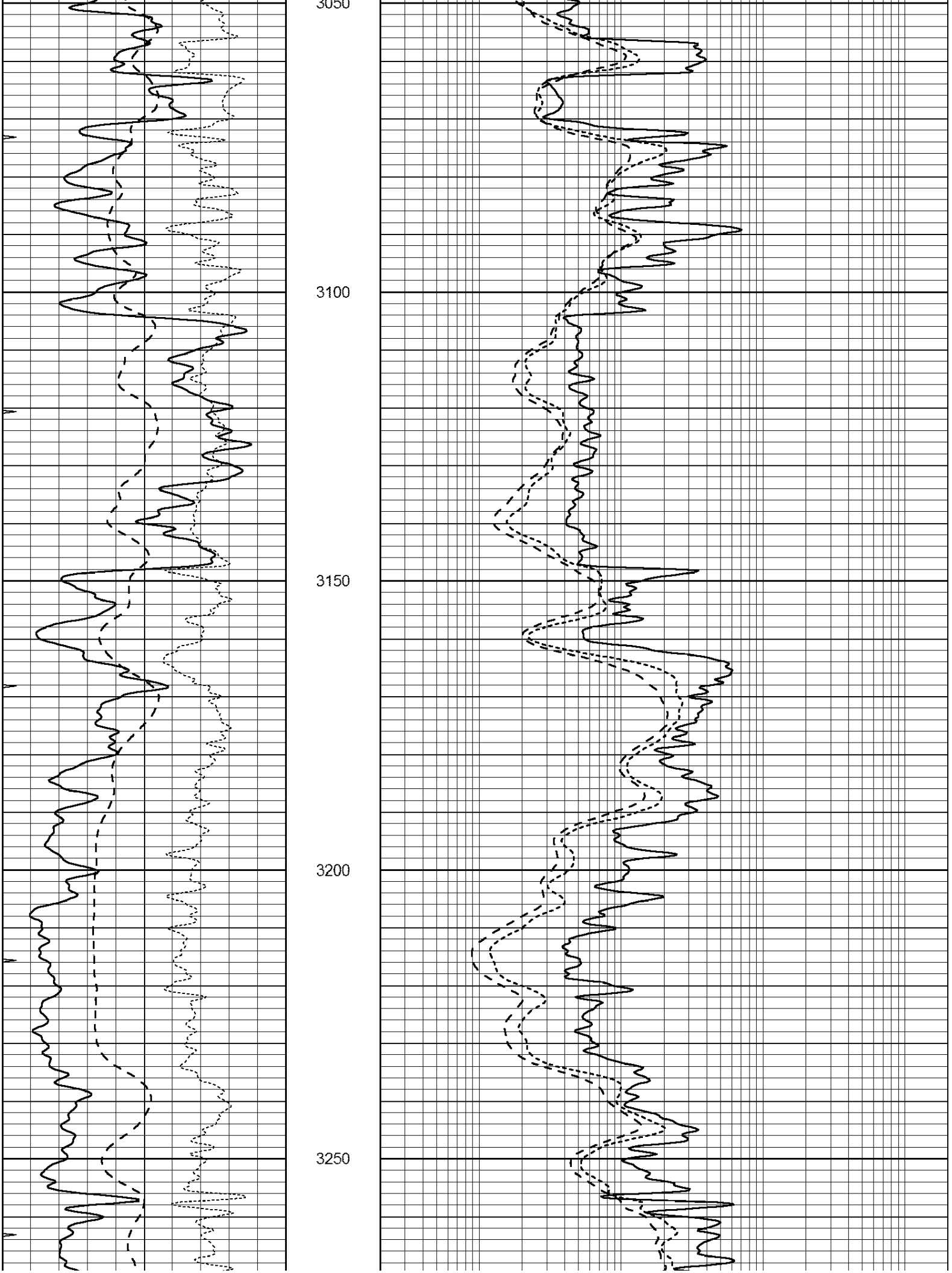
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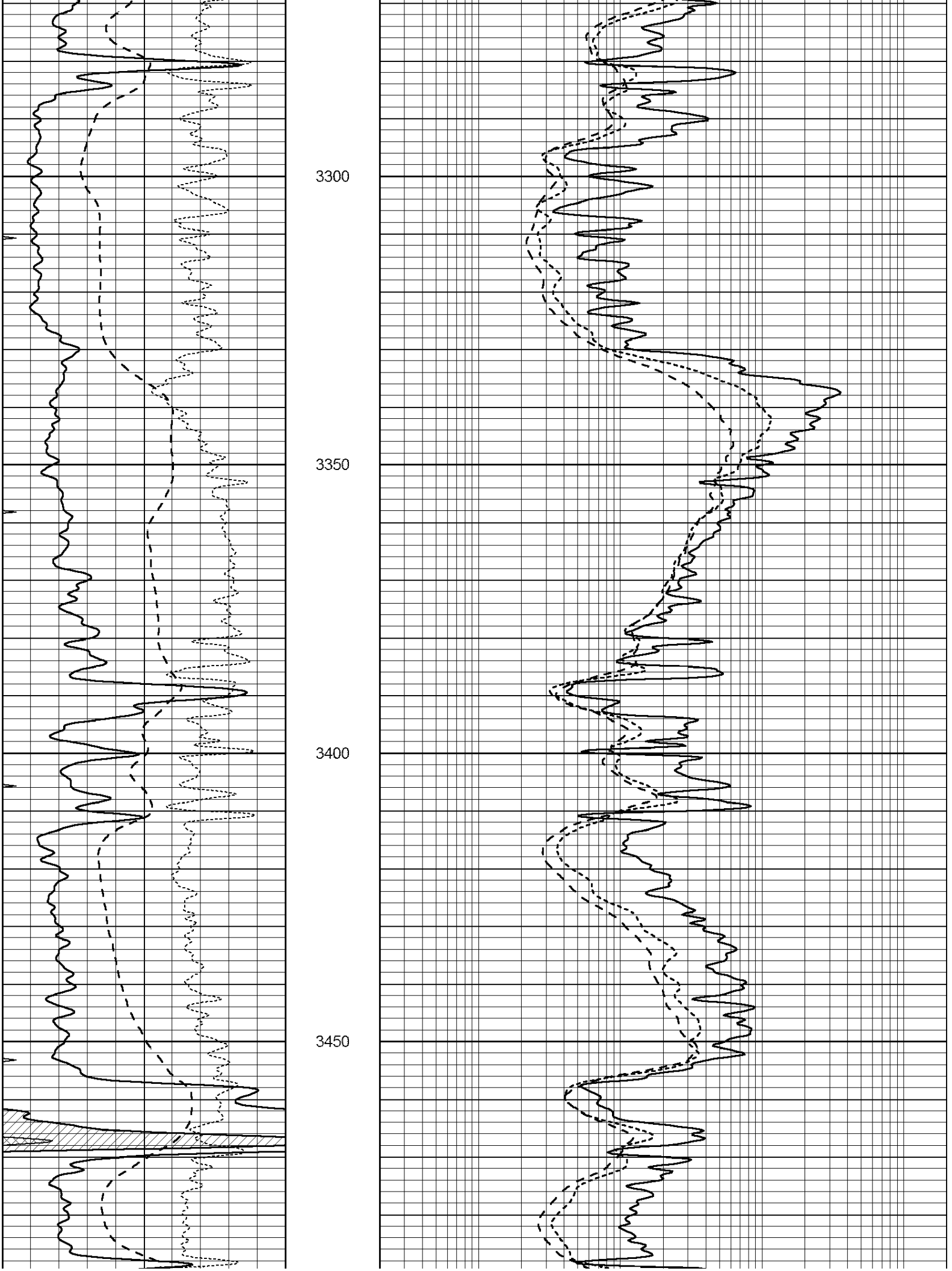
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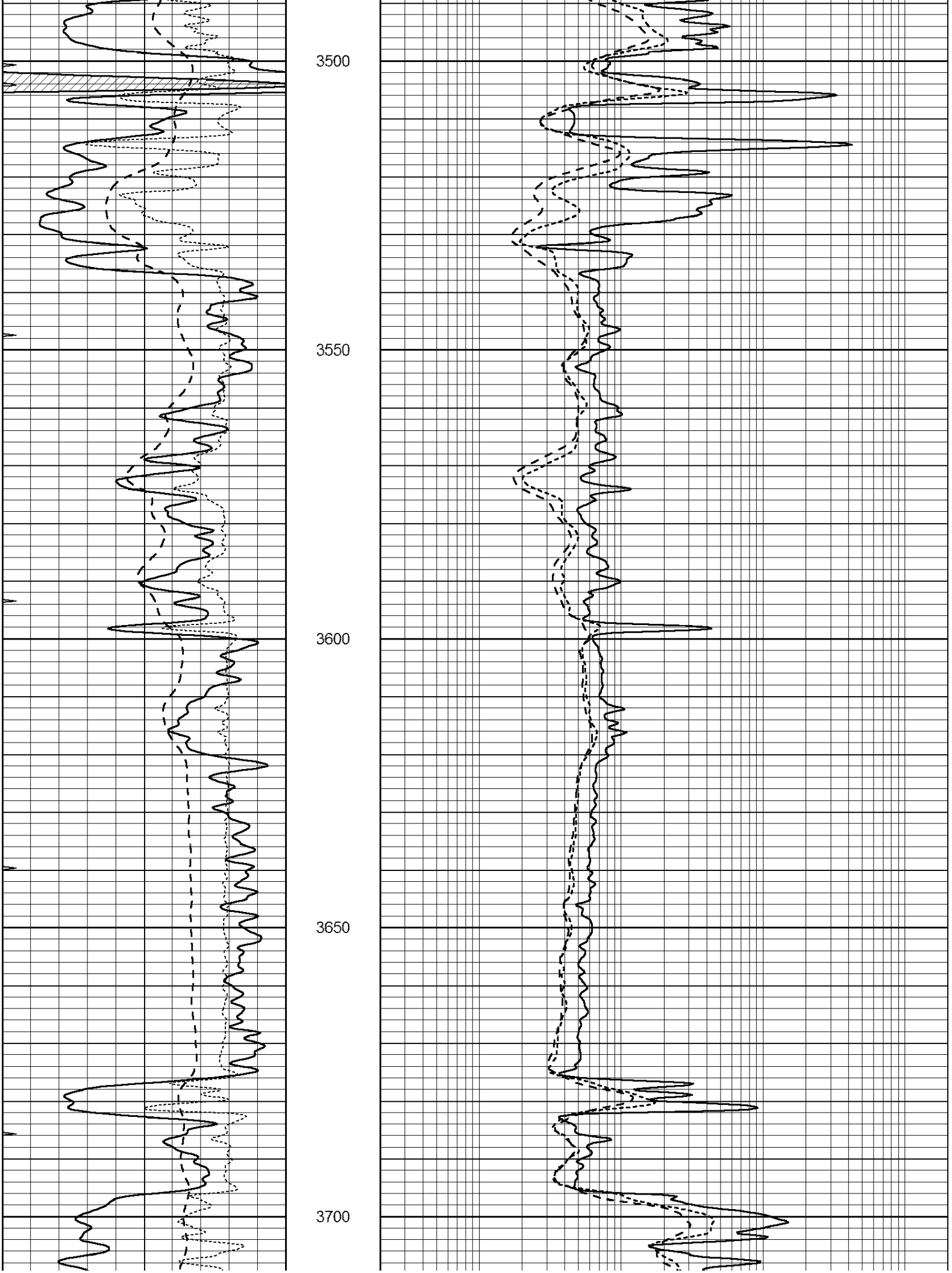
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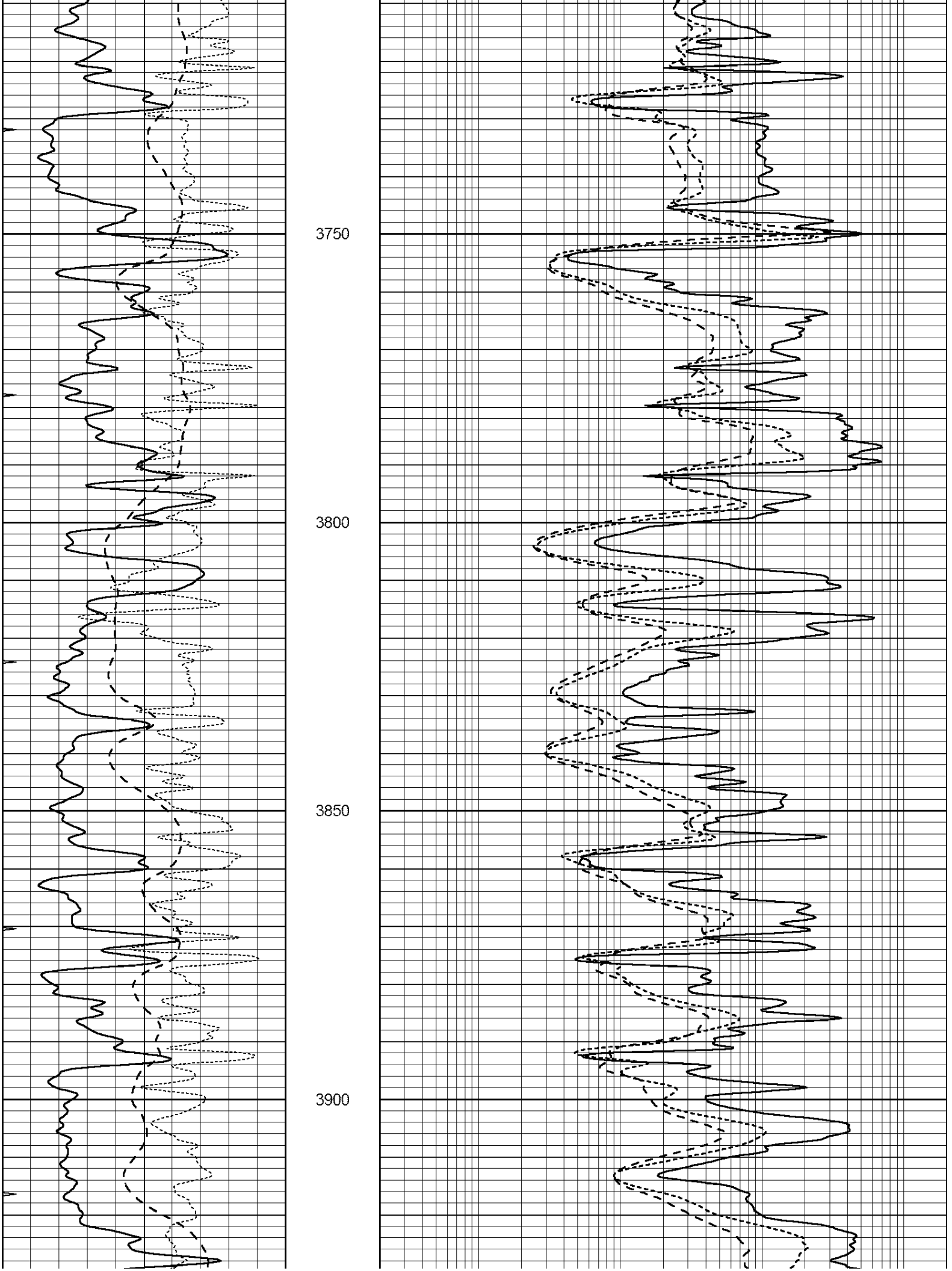
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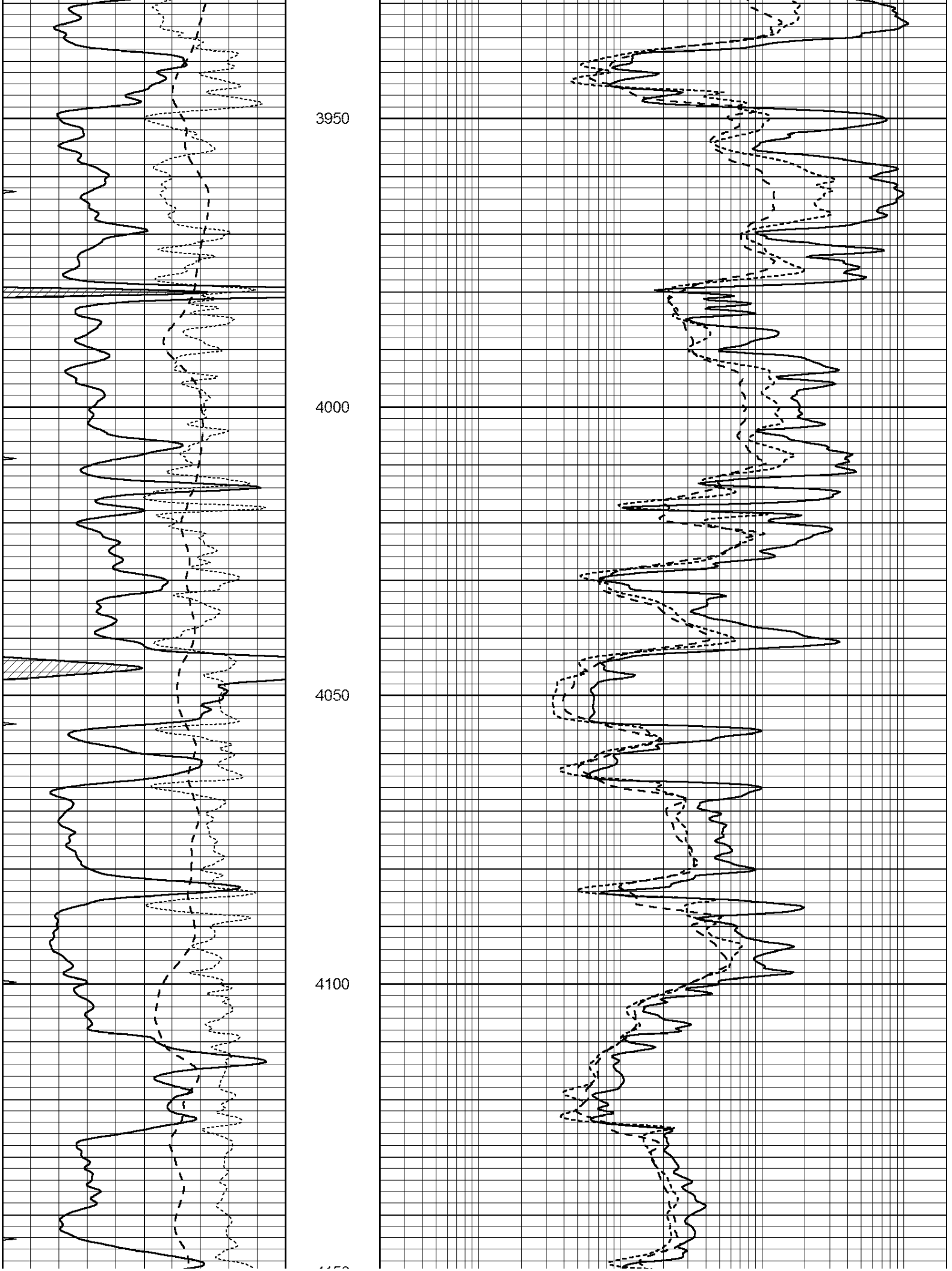
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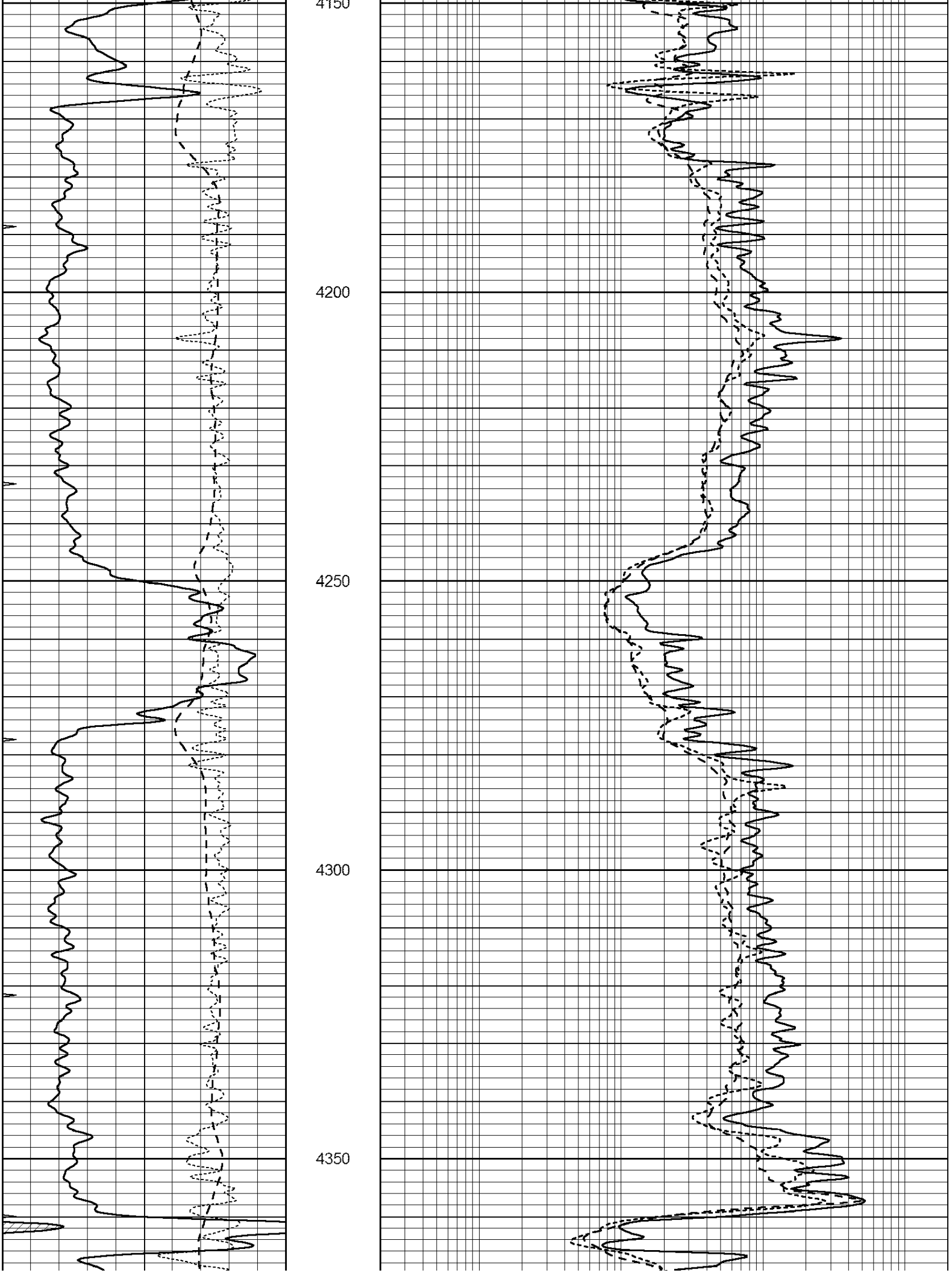
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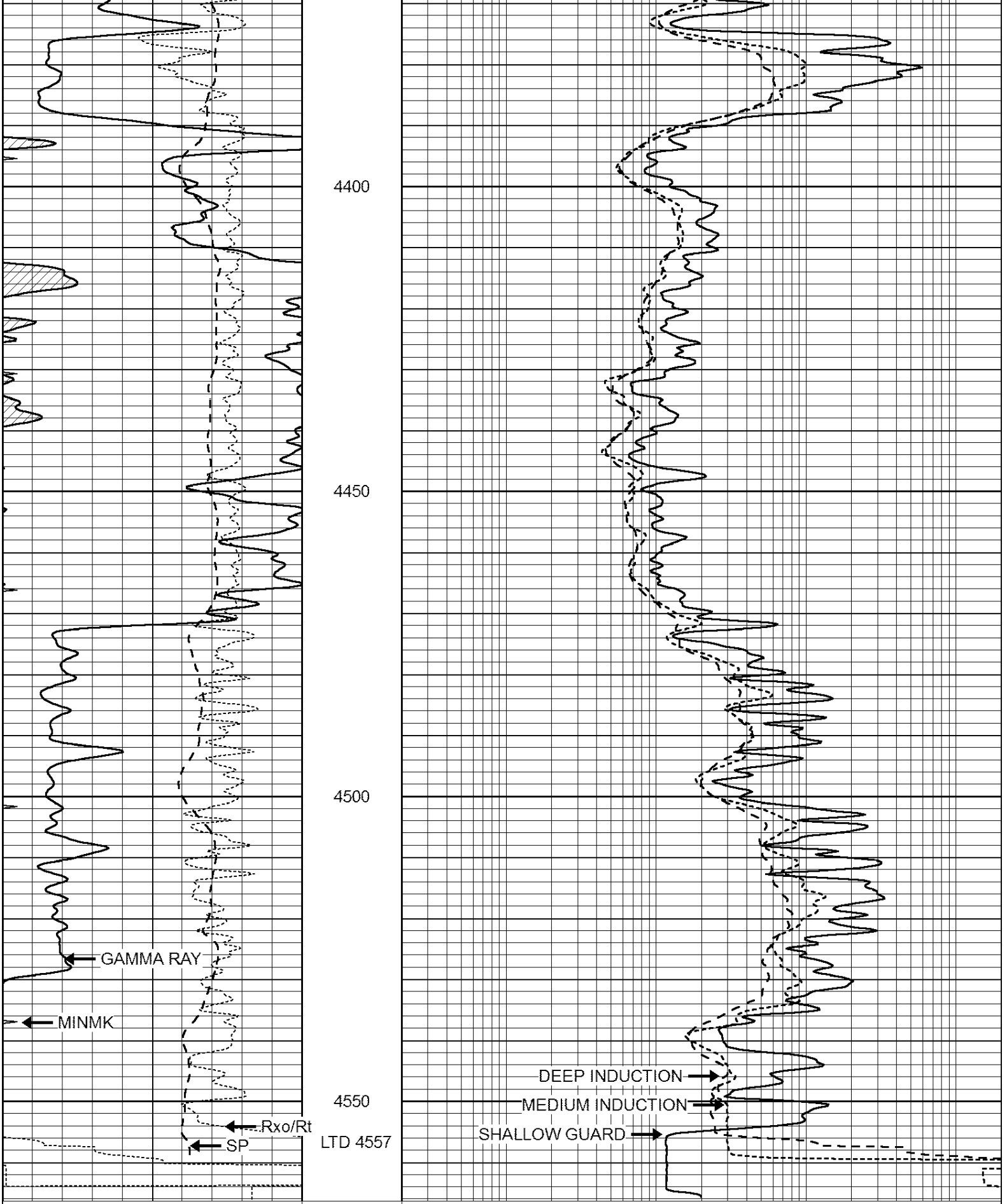


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

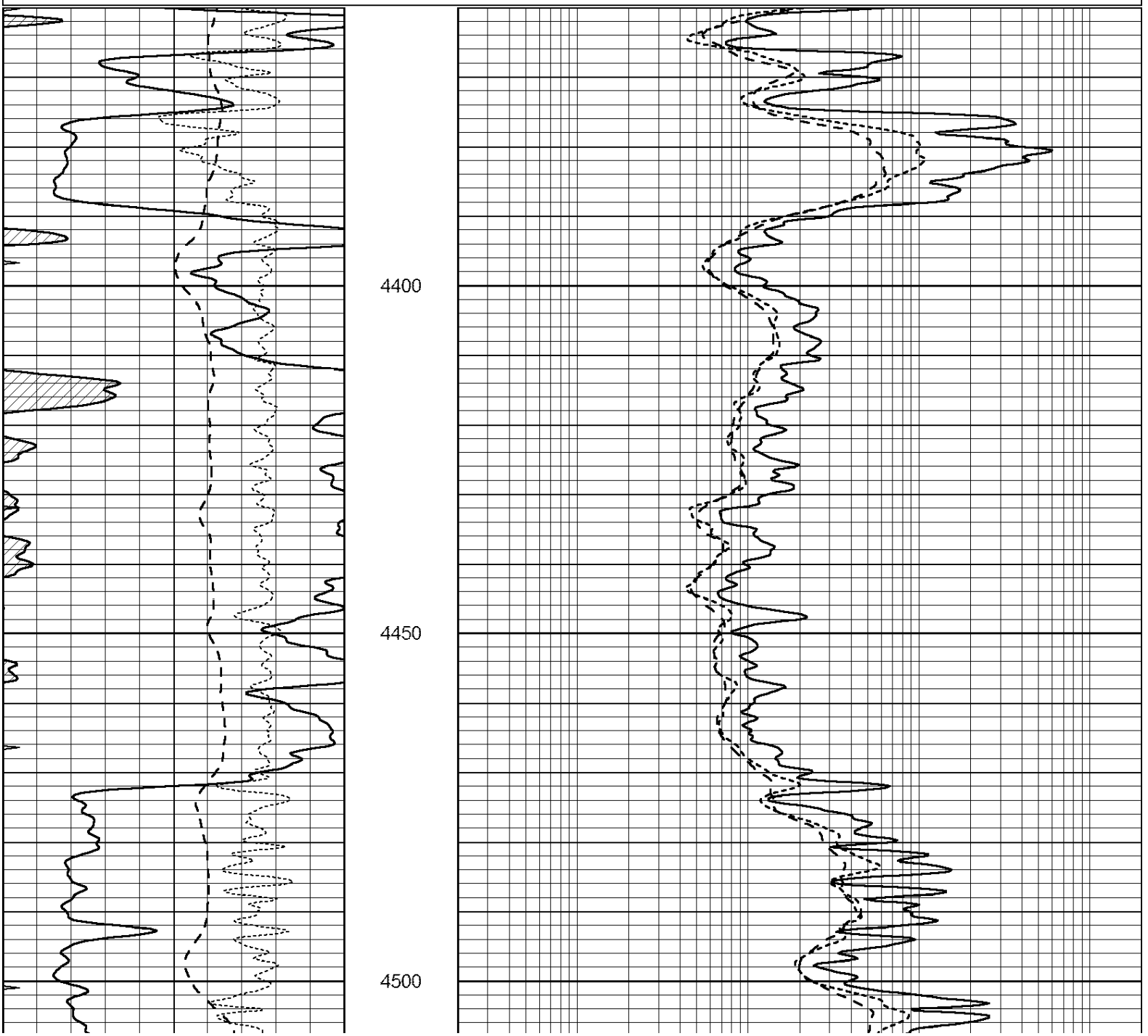
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

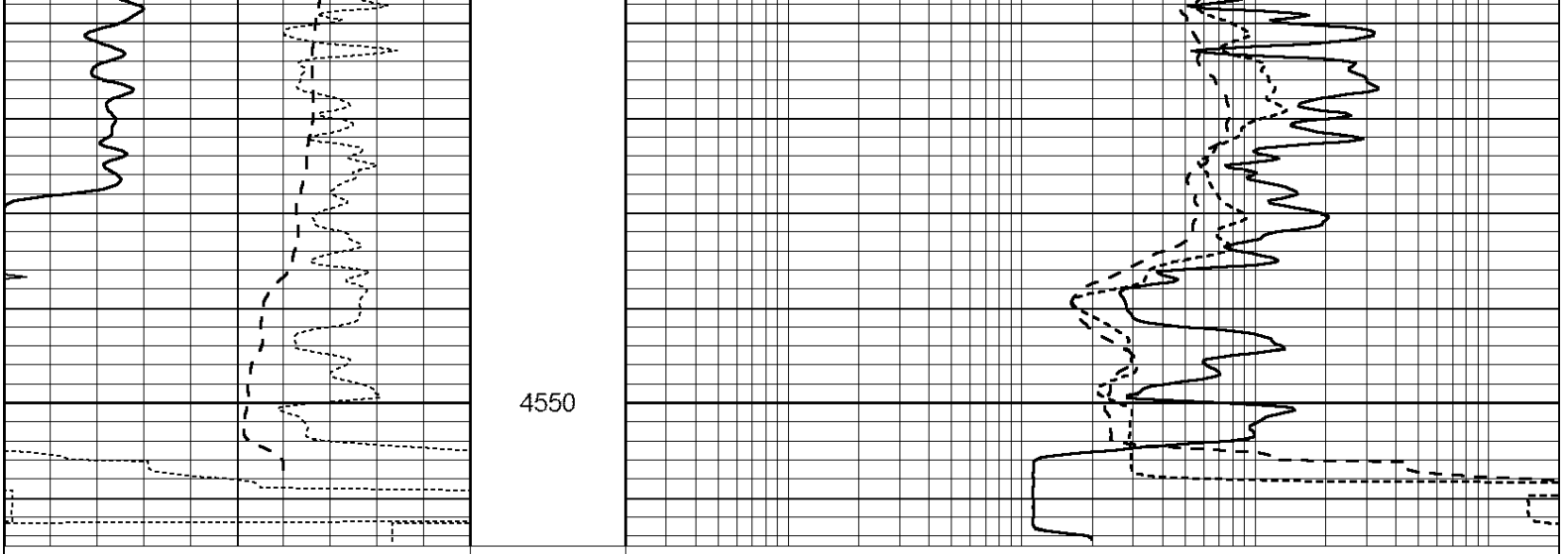
REPEAT SECTION

Database File:	2102ddn.db
Dataset Pathname:	pass4.1
Presentation Format:	_dil
Dataset Creation:	Mon Oct 16 06:29:26 2017 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





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: 2102ddn.db
Dataset Pathname: pass4.1
Dataset Creation: Mon Oct 16 06:29:26 2017 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
Surface Cal Performed: Mon Aug 21 11:58:18 2017
Downhole Cal Performed: Mon Aug 21 11:58:21 2017
After Survey Verification Performed: Mon Aug 21 11:58:23 2017

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		

Compensated Density Calibration Report

Serial-Model: GEAR2-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Mon Feb 27 11:48:36 2017
Before Survey Verification Performed:
After Survey Verification Performed:

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	883.65	277.53	cps
Aluminum	2.590	g/cc	194.33	190.52	cps

Spine Angle = 76.05 Density/Spine Ratio = 0.564

	Size		Reading	
Small Ring	7.00	in	3.51	V
Large Ring	14.00	in	6.84	V

Before Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

After Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Compensated Neutron Calibration Report

Serial Number: 6l
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:	Mon Aug 21 11:59:01 2017	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5500	GAPI/cps