SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

DUAL INDUCTION LOG

Company TRANS - PACIFIC OIL CORPORATION
Well ANDERSON TRUST "B" UNIT 1-23
Field
County LANE State KANSAS

Location: API # : 15-101-22293-0000
E/2 - E/2 - SE - NE
3300' FSL - 100' FEL
SEC 23 TWP 16S RGE 27W

Other Services
CDL/CNL

Permanent Datum GROUND LEVEL Elevation 2683
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2692
D.F. 2690
G.L. 2683

Date	8/3/12		
Run Number	ONE		
Depth Driller	4630		
Depth Logger	4640		
Bottom Logged Interval	4638		
Top Log Interval	0		
Casing Driller	227		
Casing Logger	225		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 54	CHLORIDES 2,100 PPM	
pH / Fluid Loss	10.5 / 8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.10 @ 86F		
Rmf @ Meas. Temp	0.83 @ 86F		
Rmc @ Meas. Temp	1.32 @ 86F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.78 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	121F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	DAN GOTTSCHALK		
Witnessed By	MIKE KIDWELL		

Company TRANS - PACIFIC OIL CORPORATION
Well ANDERSON TRUST "B" UNIT 1-23
Field
County LANE
State KANSAS

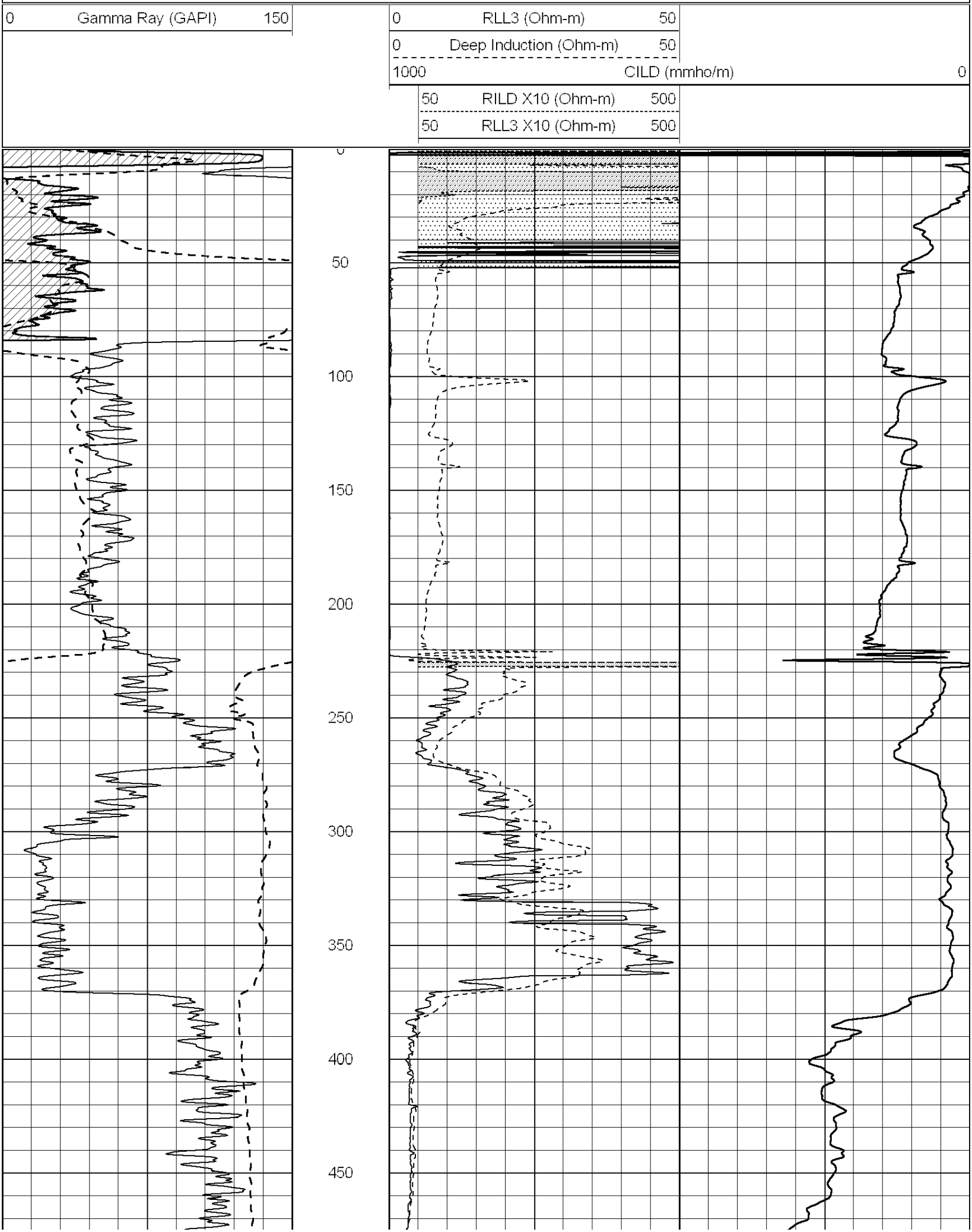
<<< Fold Here >>>

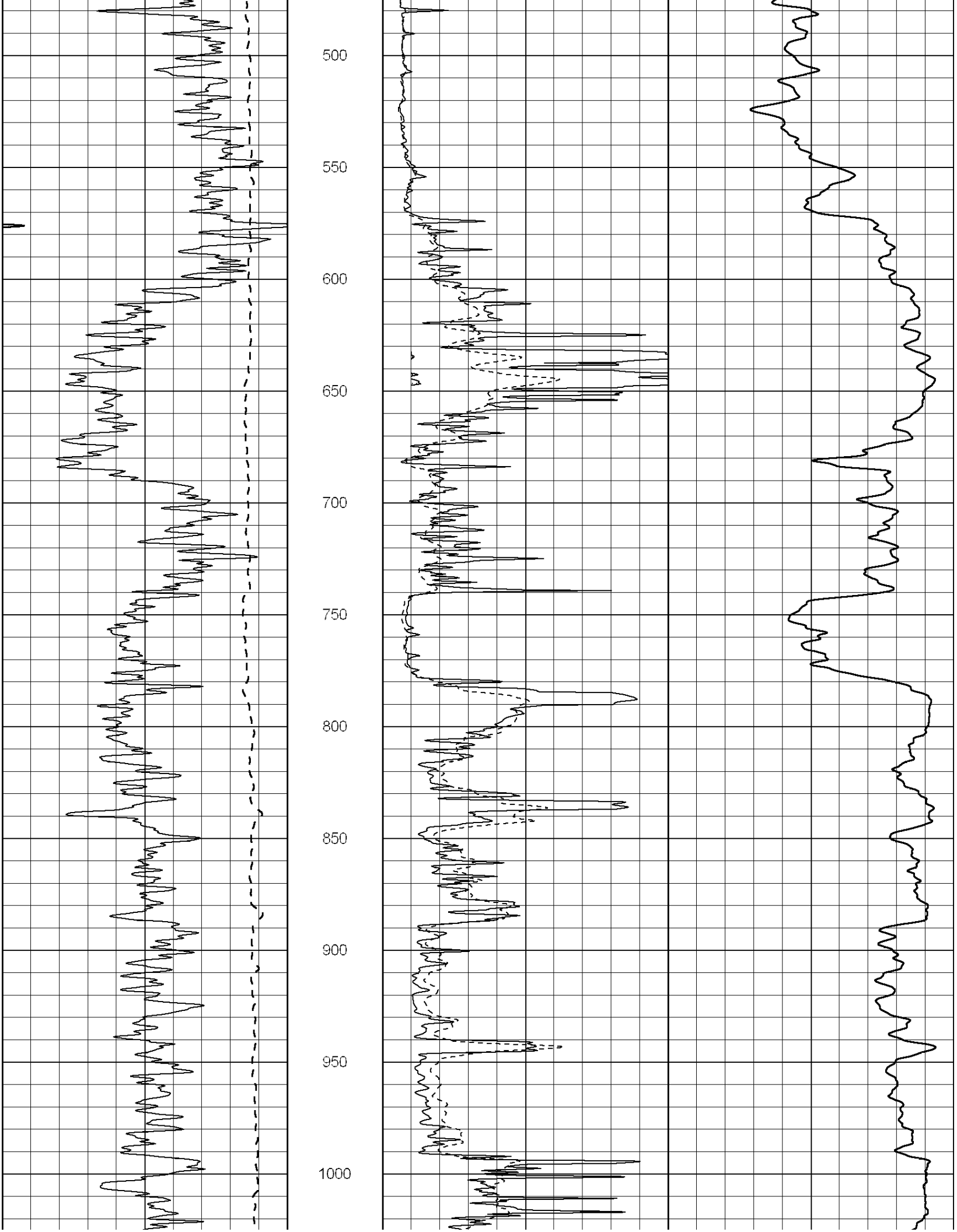
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICES
785-628-6395
DIRECTIONS- UTICA - 5 WEST TO WICHITA RD. - 1/2 NORTH - WEST SIDE

Database File: 009565ddn.db
Dataset Pathname: pass7.3
Presentation Format: dil2
Dataset Creation: Fri Aug 03 18:52:17 2012 by Calc Open-Cased 090629

Charted by: Depth in Feet scaled 1:600

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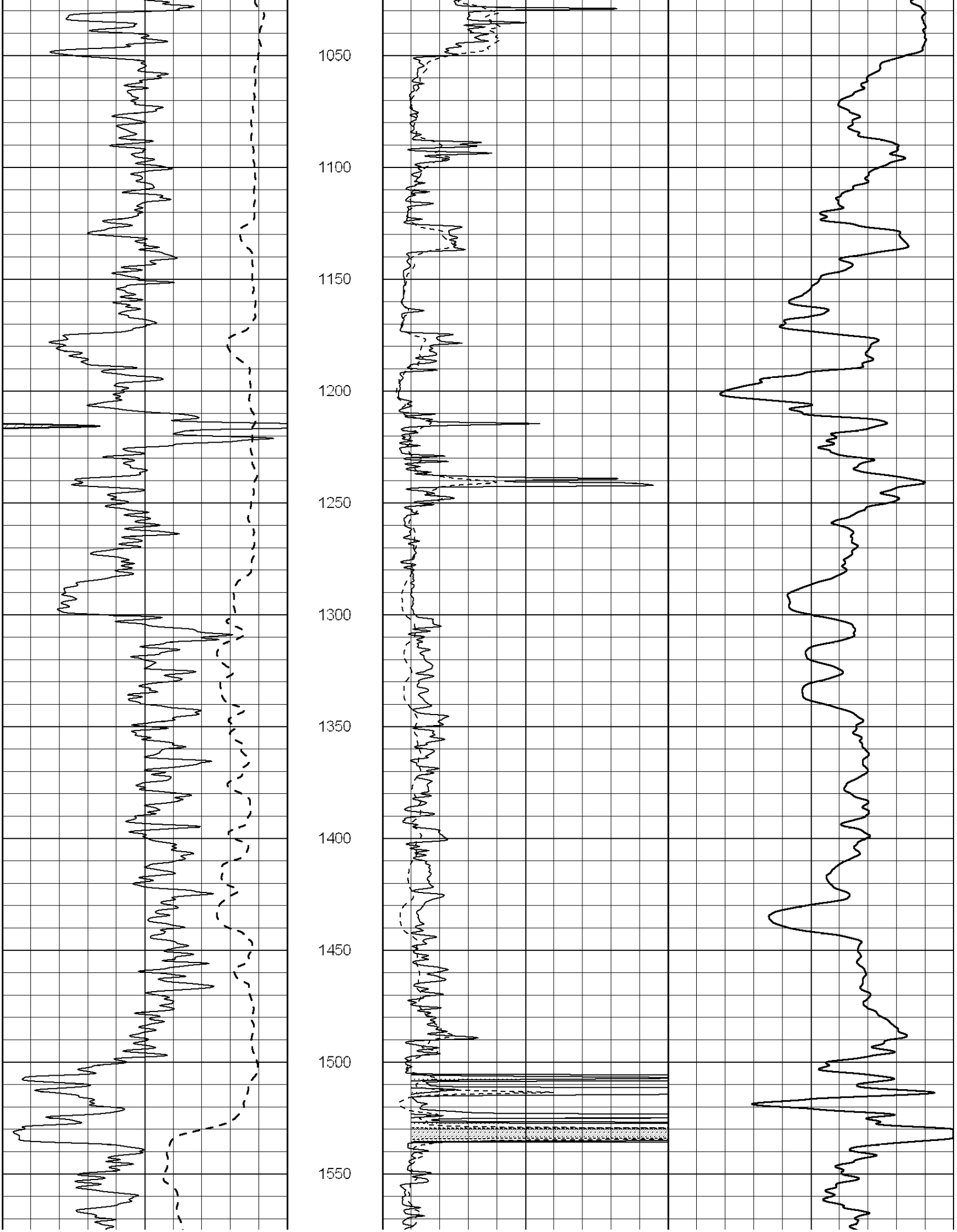
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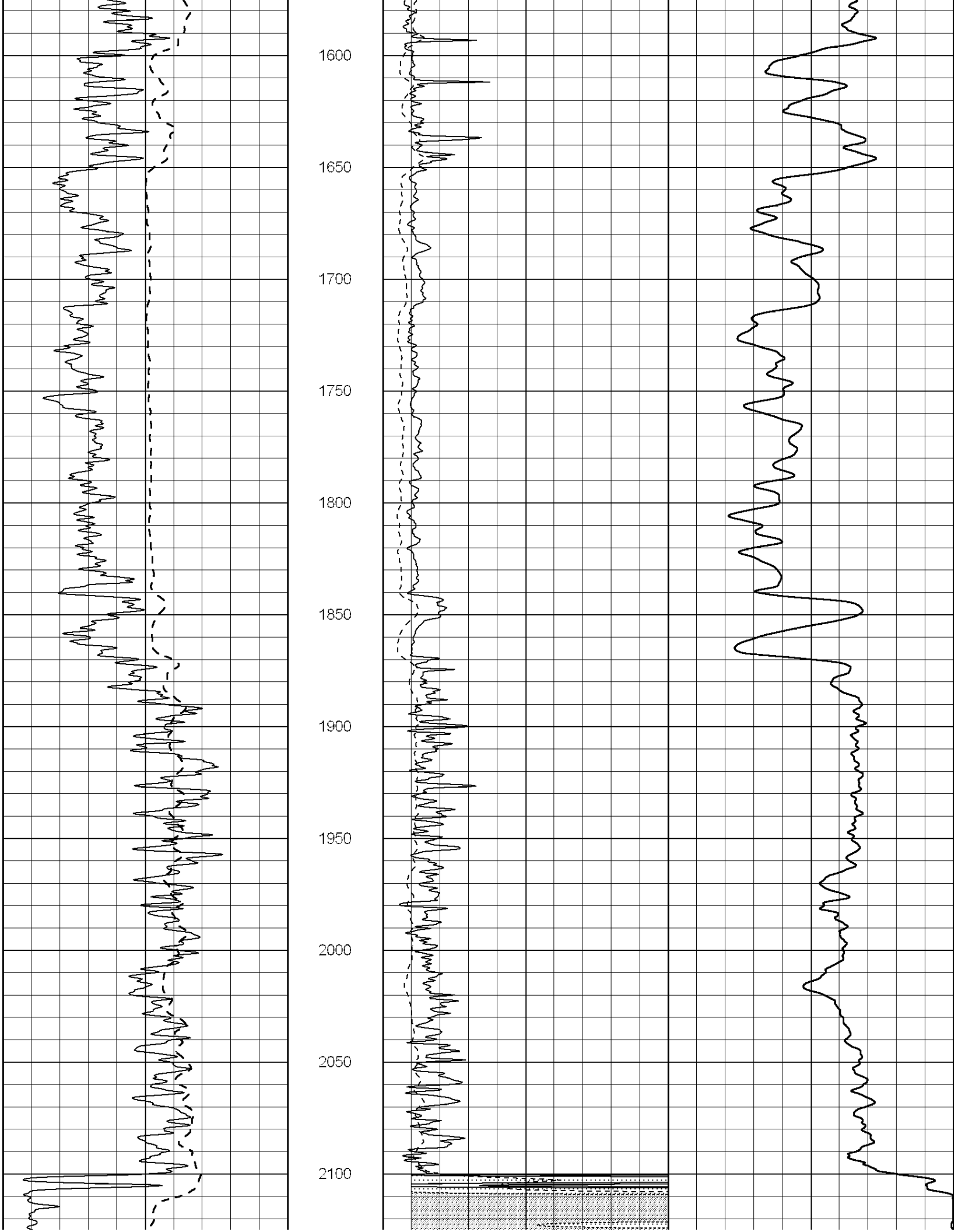
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2050
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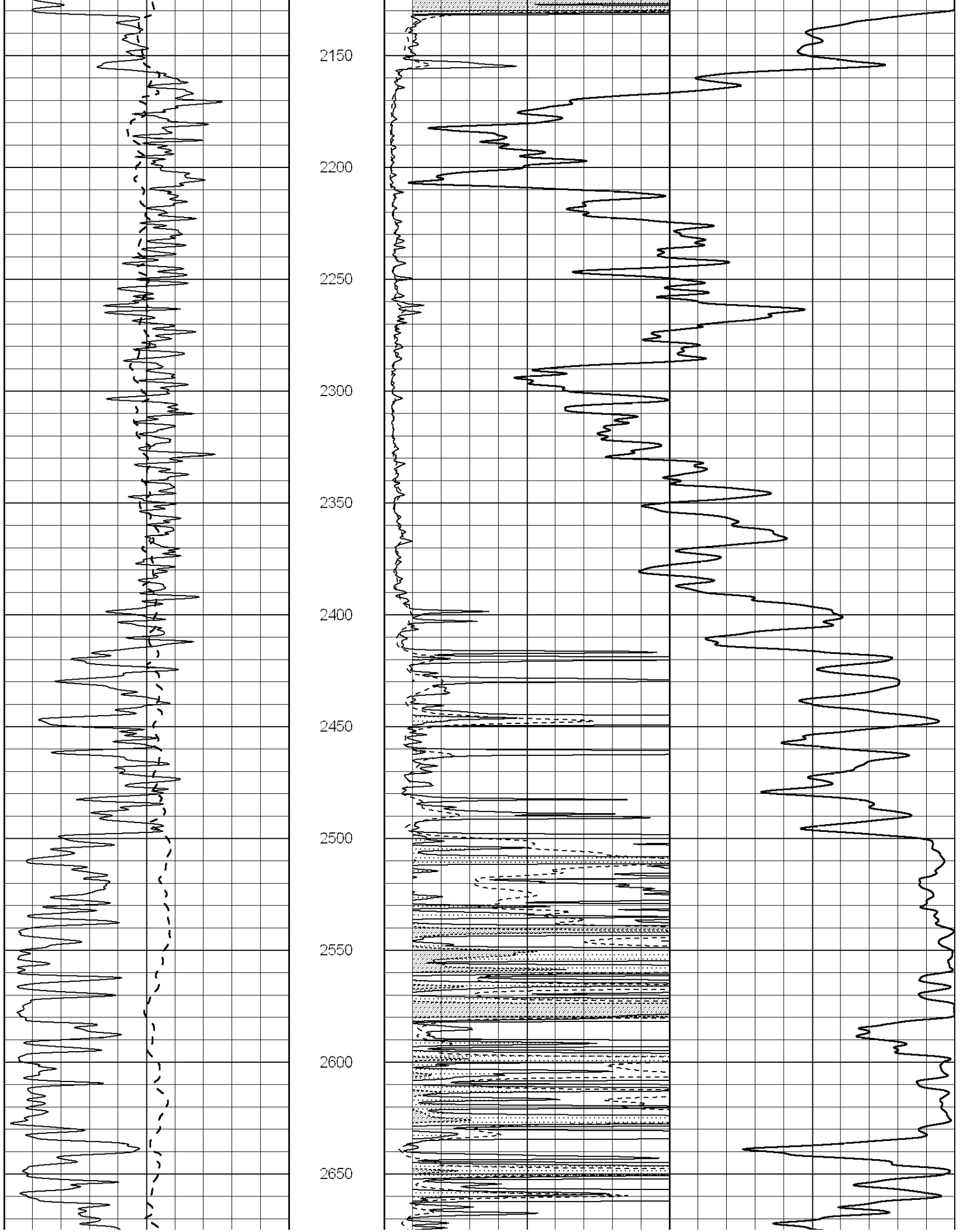
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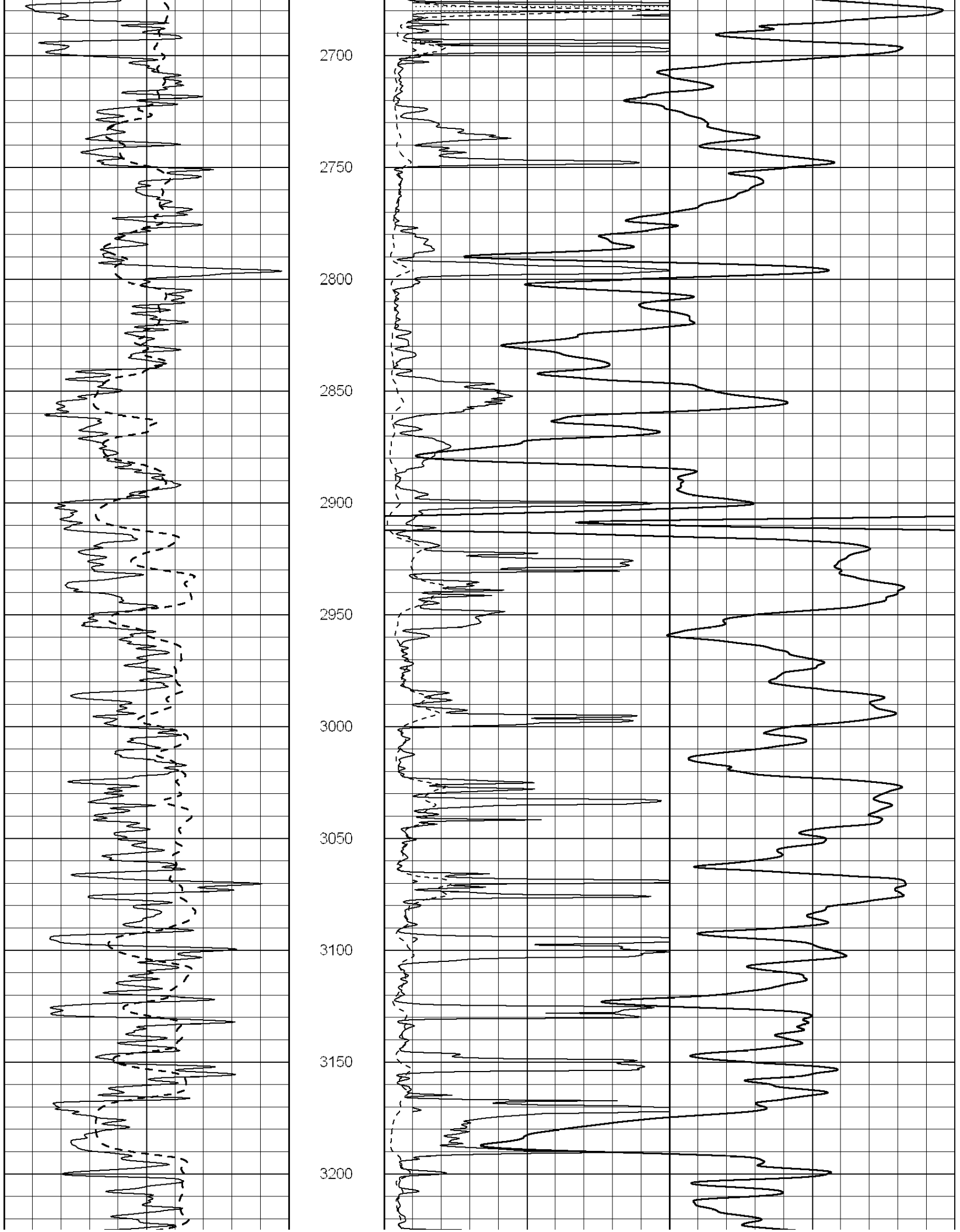
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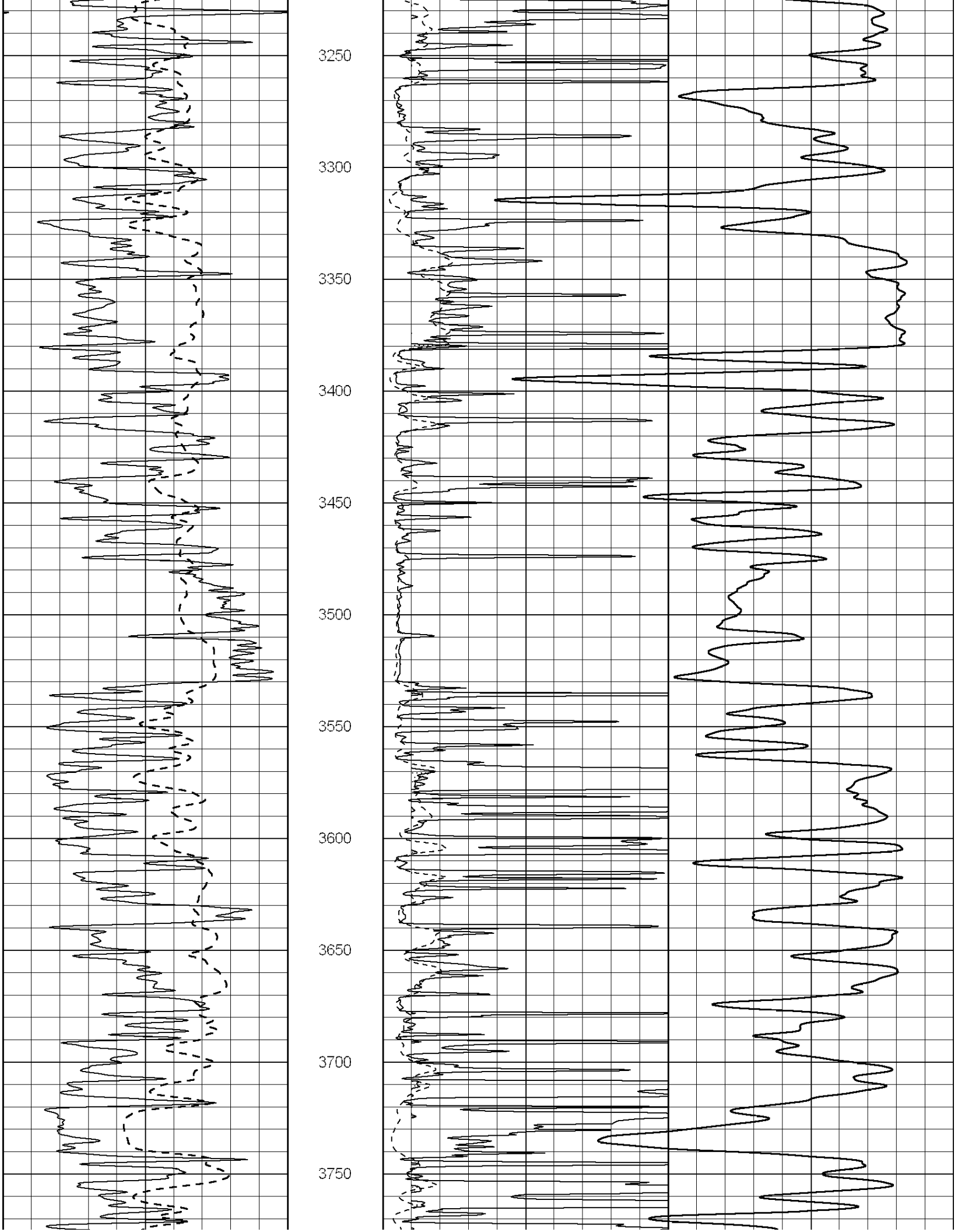
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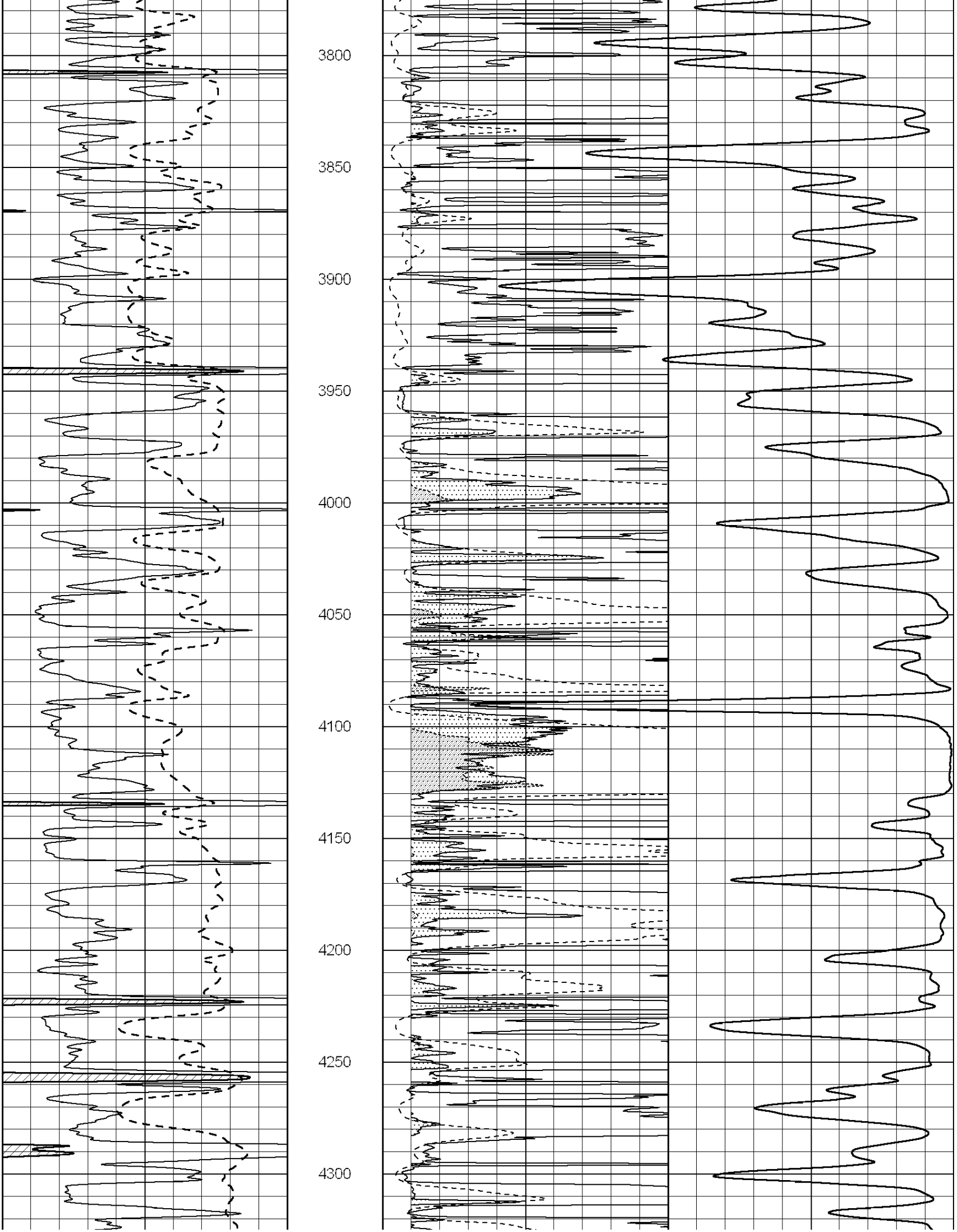
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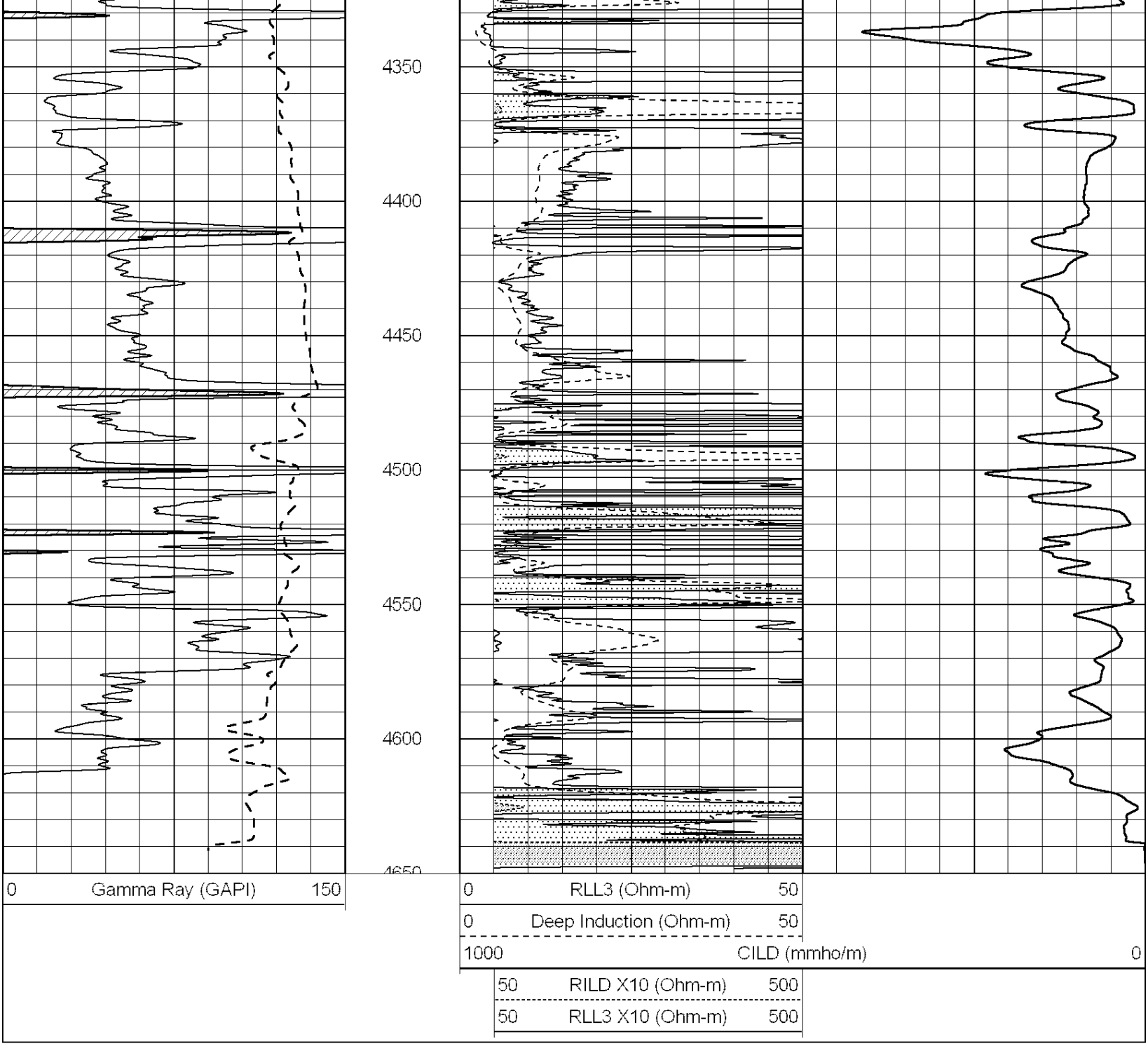
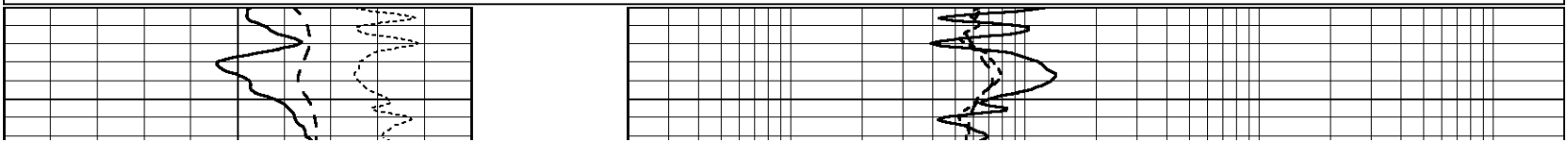
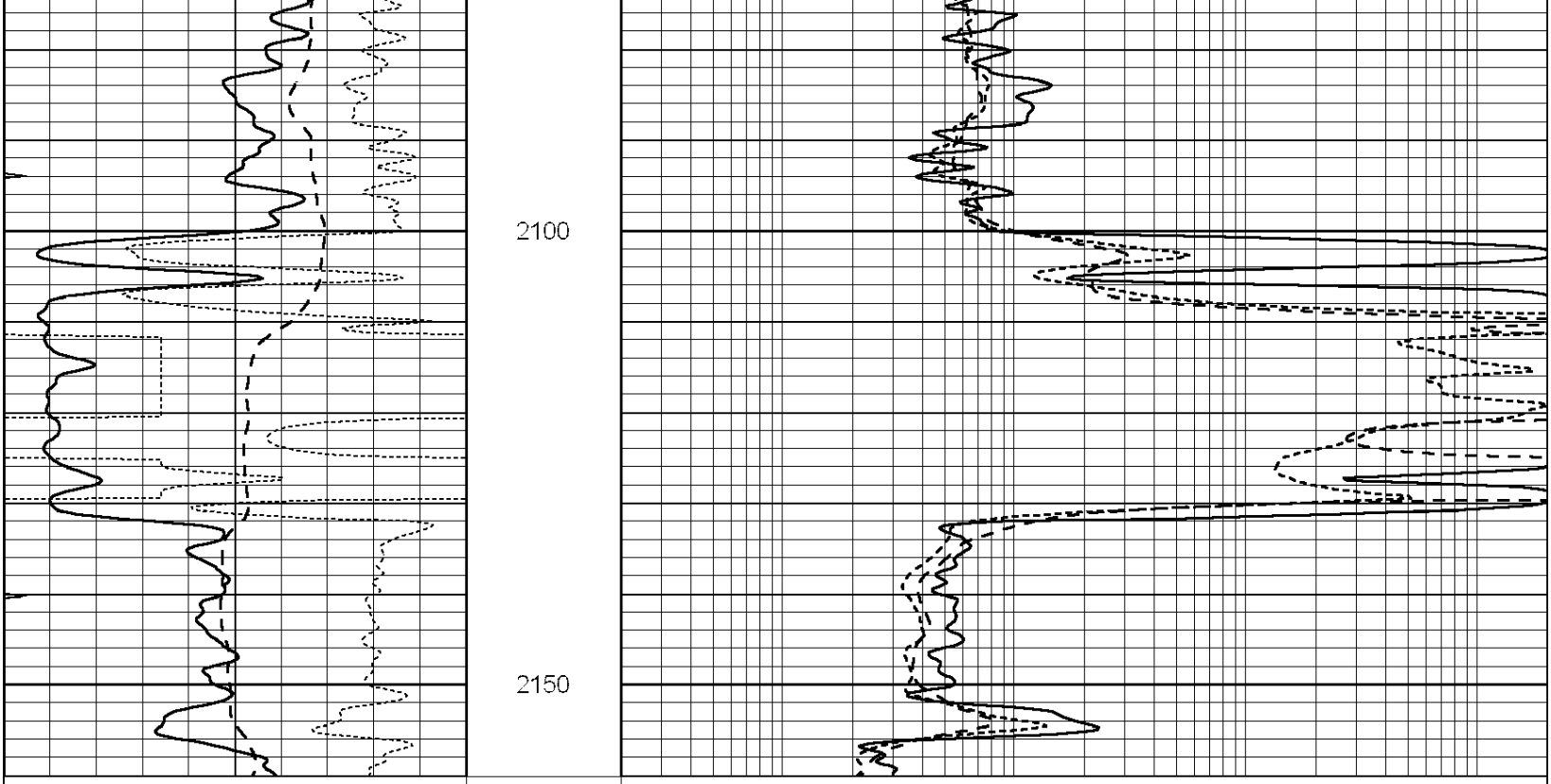


Database File: 009565ddn.db
Dataset Pathname: pass7.3
Presentation Format: dil
Dataset Creation: Fri Aug 03 18:52:17 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000





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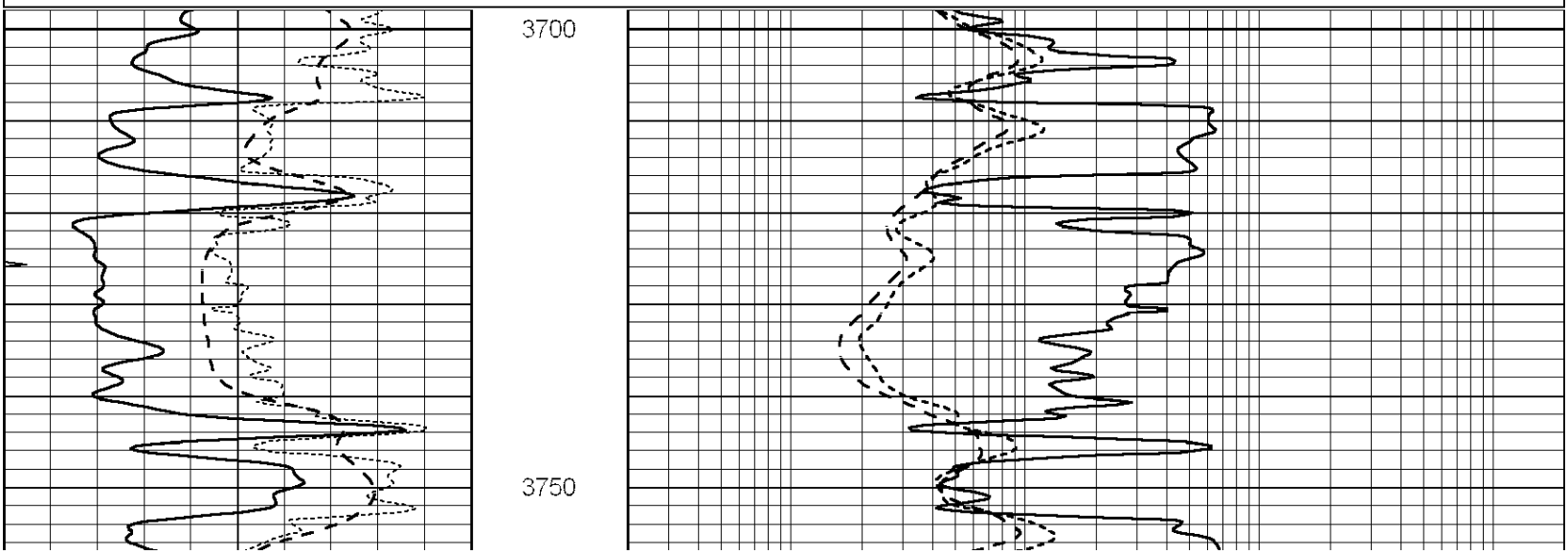
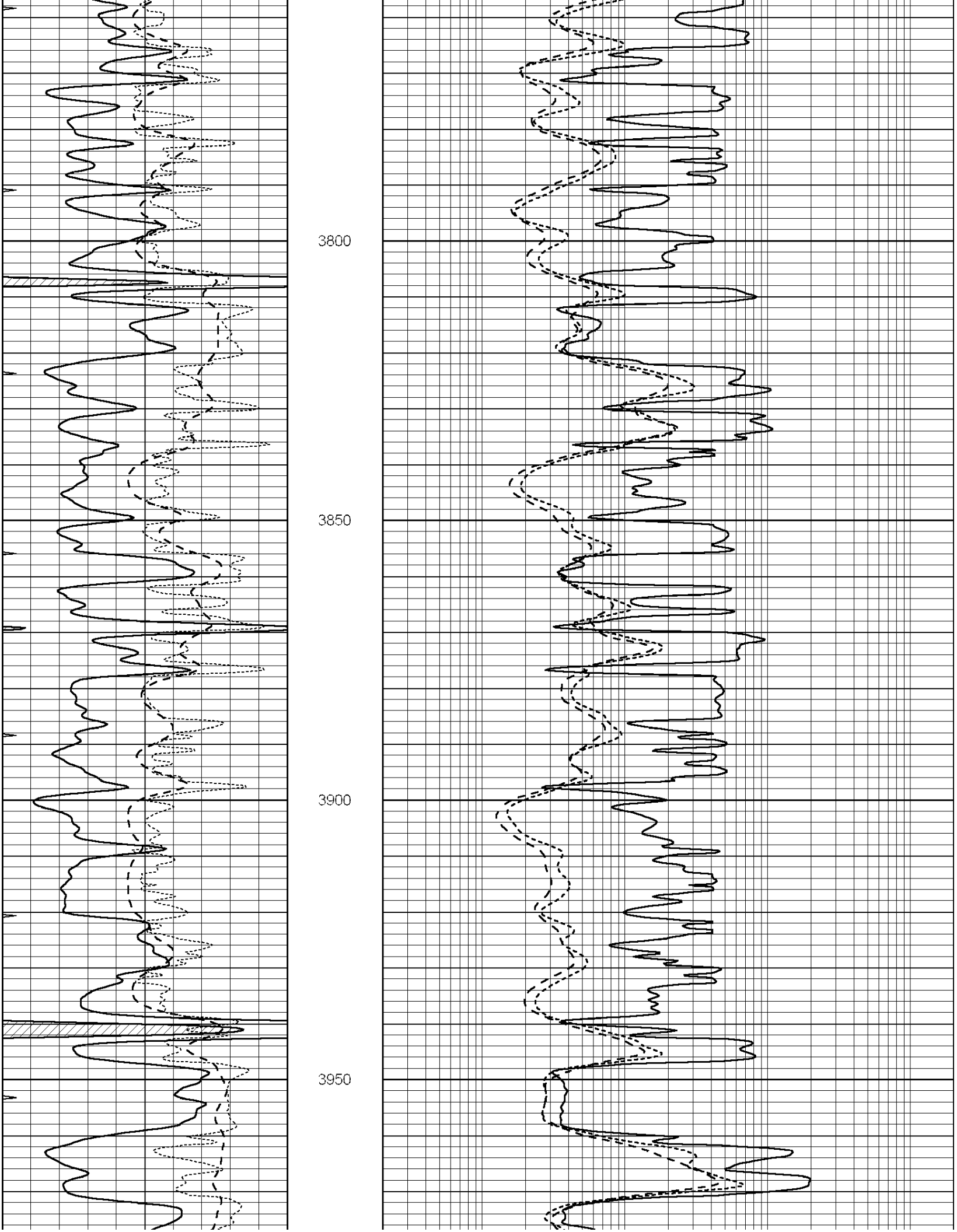
0.2	MEDIUM INDUCTION (Ohm-m)	2000

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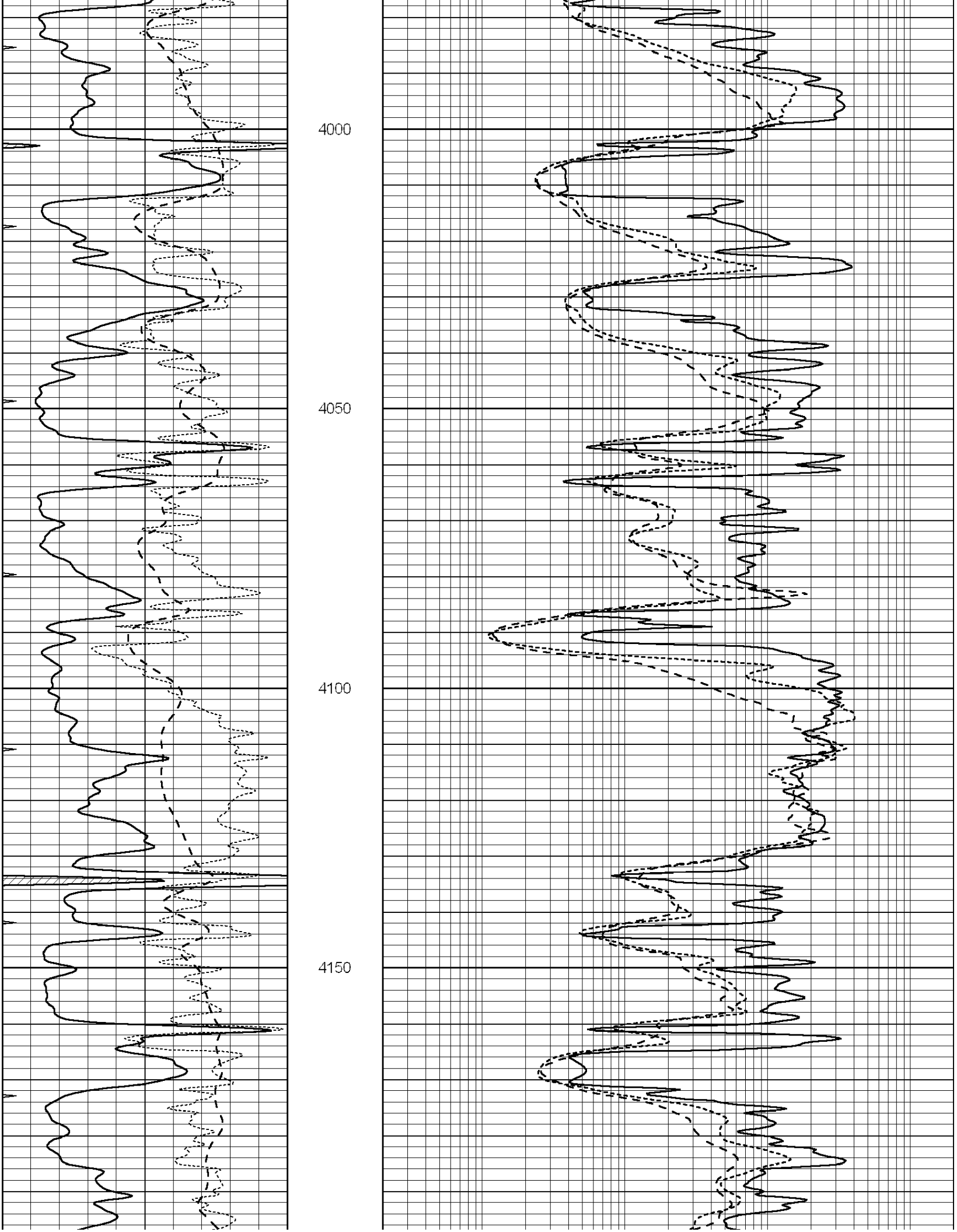
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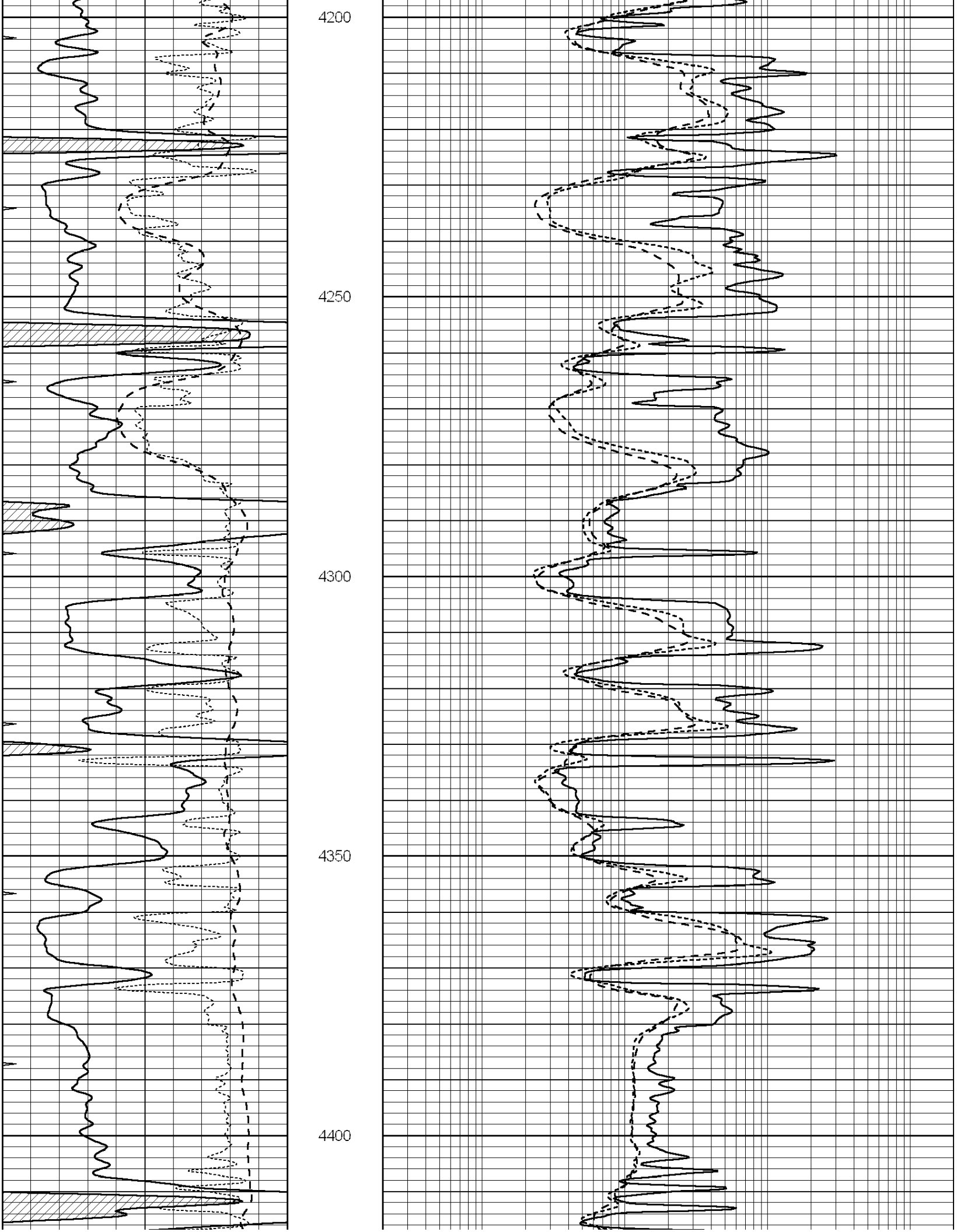
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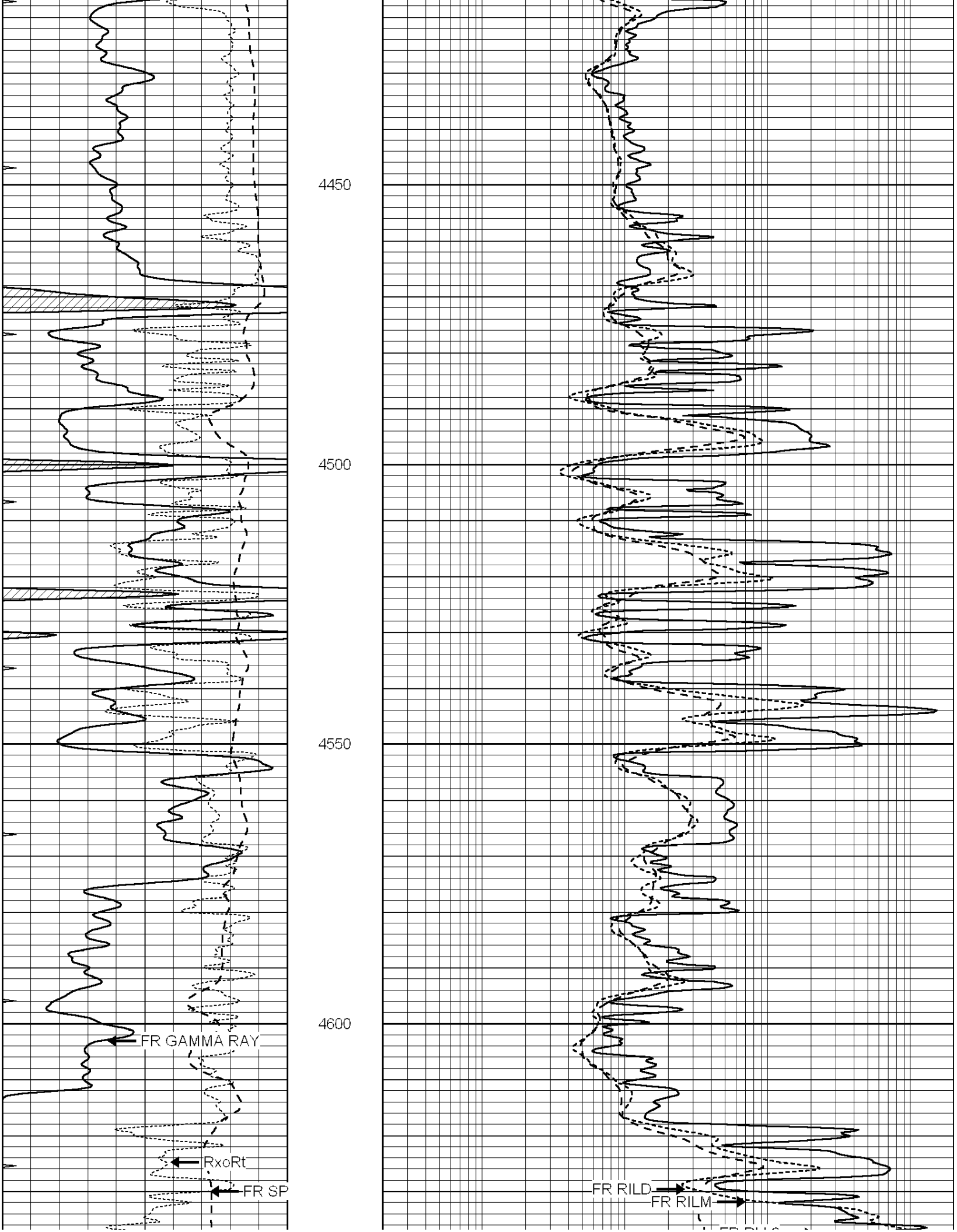
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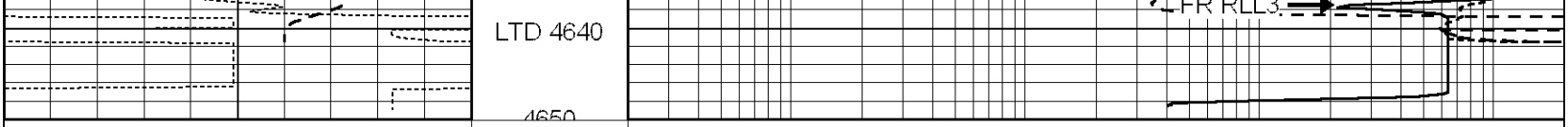
RxoRt
FR SP
FR RILD
FR RILM



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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

SUPERIOR WELL SERVICES

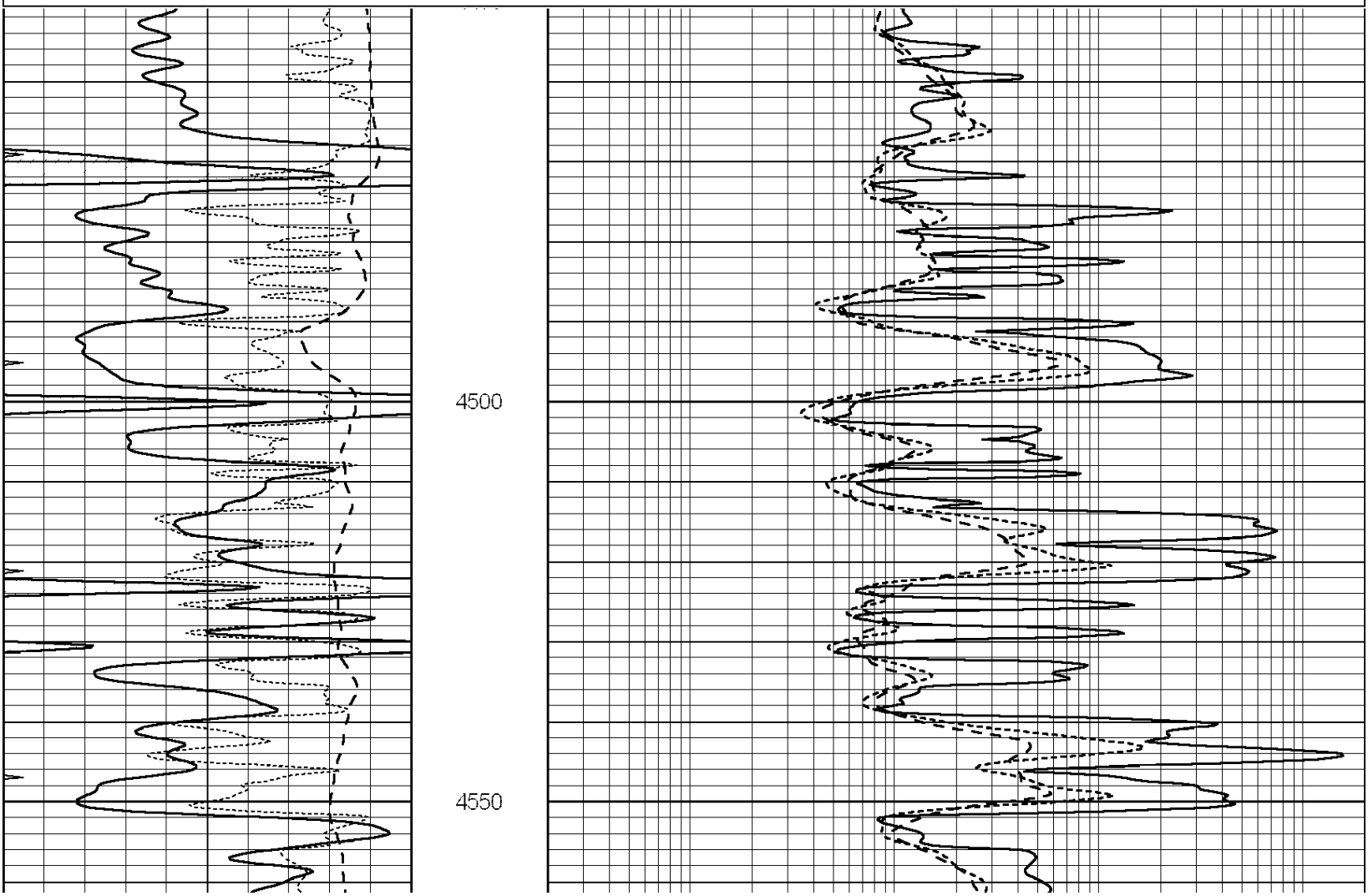
SUPERIOR
Hays,
Kansas

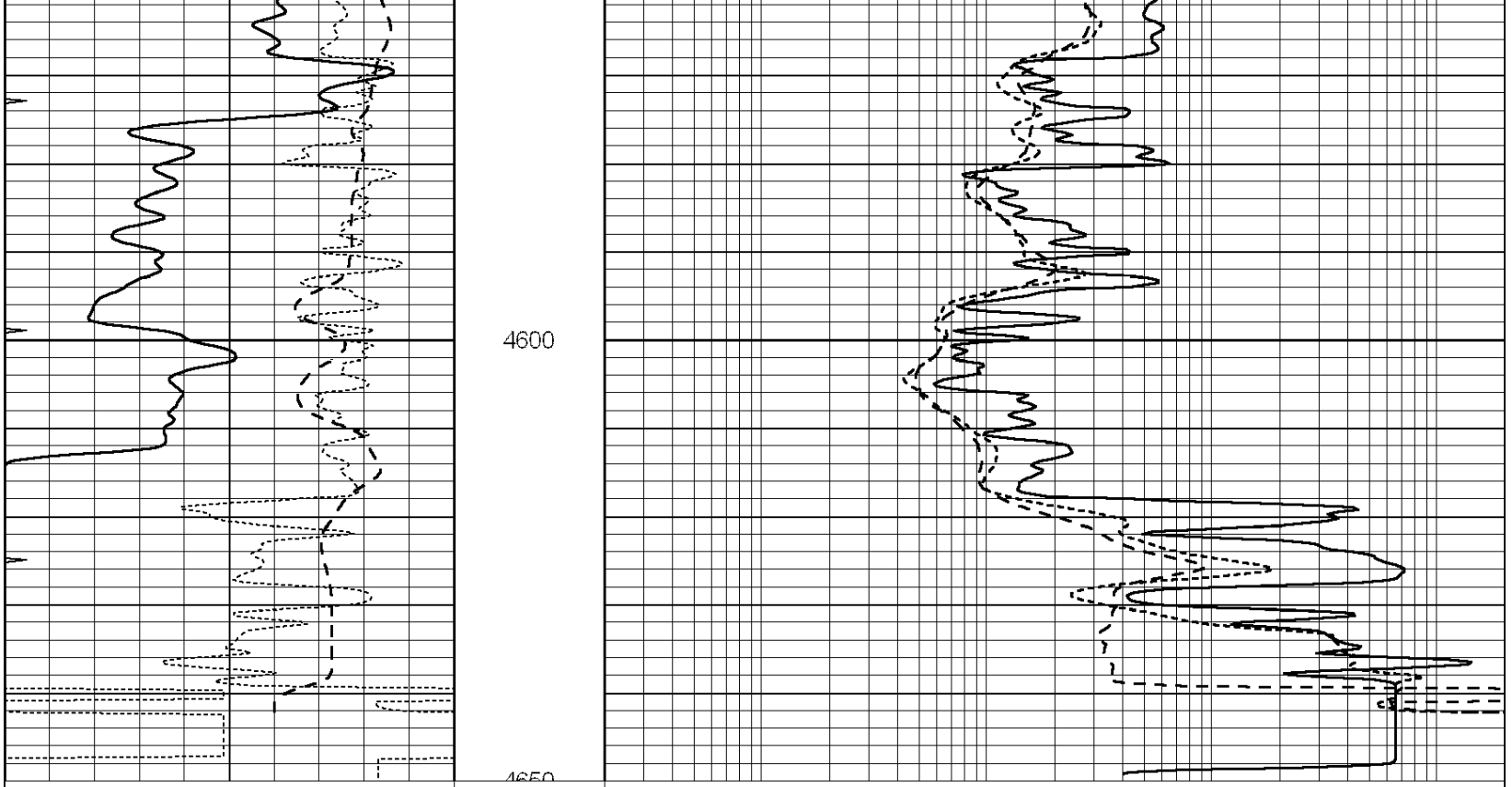
REPEAT SECTION

Database File:	009565ddn.db
Dataset Pathname:	pass6.1
Presentation Format:	dil
Dataset Creation:	Fri Aug 03 18:28:17 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000





Calibration Report

Database File: 009565ddn.db
Dataset Pathname: pass7.3
Dataset Creation: Fri Aug 03 18:52:17 2012 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE9-DILG
Surface Cal Performed:	Wed Jul 04 23:54:25 2012
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Fri Jun 01 07:32:39 2012

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	540.000	-12.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	540.000	-14.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000

Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3970.000	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:	GEAR1-GEARHART
Source / Verifier:	147 / 147
Master Calibration Performed:	Wed Jul 11 18:39:29 2012

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.590	g/cc	282.16	435.01	cps

Spine Angle = 76.03 Density/Spine Ratio = 0.576

	Size		Reading	
Small Ring	8.00	in	3.90	V
Large Ring	15.00	in	6.09	V

Compensated Neutron Calibration Report

Serial Number:	NUE_2I
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

Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Fri Jul 20 14:32:42 2012	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	740.0	cps
Sensitivity:	0.3200	GAPI/cps