SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company BLUE RIDGE PETROLEUM CORPORATION

Well ANTENEN #1-14

Field WVC NORTHWEST

County NESS State KANSAS

Location: API # : 15-135-25008

2310' FNL & 1560' FEL

SEC 14 TWP 19S RGE 26W

Other Services
CDL/CNL
SONIC/MEL

Elevation
K.B. 2623
D.F.
G.L. 2618

Permanent Datum GROUND LEVEL Elevation 2618
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Company BLUE RIDGE PETROLEUM CORP.
Well ANTENEN #1-14
Field WVC NORTHWEST
County NESS
State KANSAS

Date	1-3-10		
Run Number	ONE		
Depth Driller	4688		
Depth Logger	4689		
Bottom Logged Interval	4687		
Top Log Interval	00		
Casing Driller	218		
Casing Logger	218		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	0.1 / 50		
pH / Fluid Loss	10.0 / 8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.70 @ 70F		
Rmf @ Meas. Temp	0.53 @ 70F		
Rmc @ Meas. Temp	0.84 @ 70F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.400 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	11:30 A.M.		
Maximum Recorded Temperature	122F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	JOSH AUSTIN	JONATHAN ALLEN	

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Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: BEEHLER, 2S, 2E, S INTO.

MAIN SECTION

SUPERIOR
Hays,
Kansas

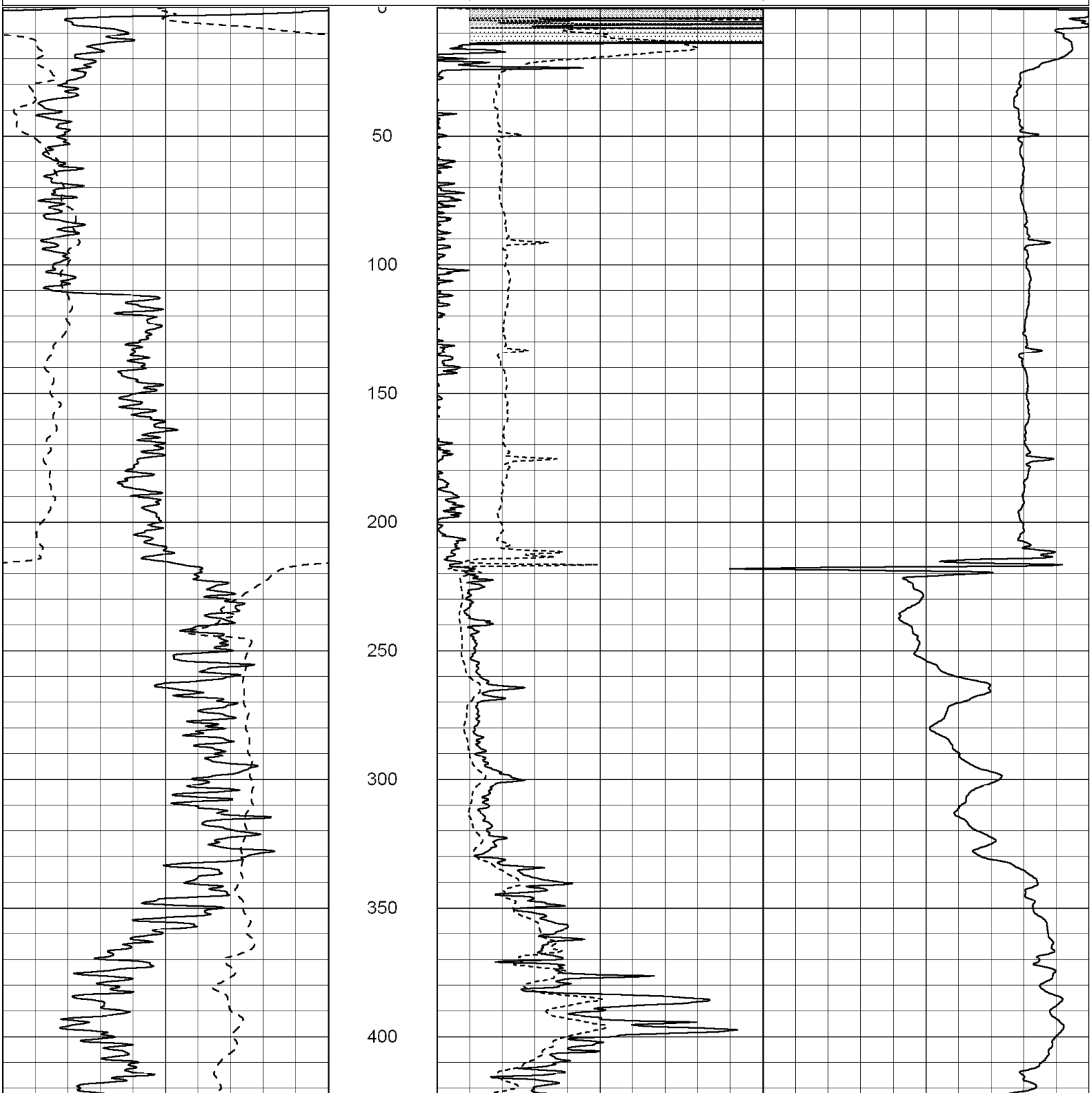
SUPERIOR WELL SERVICES

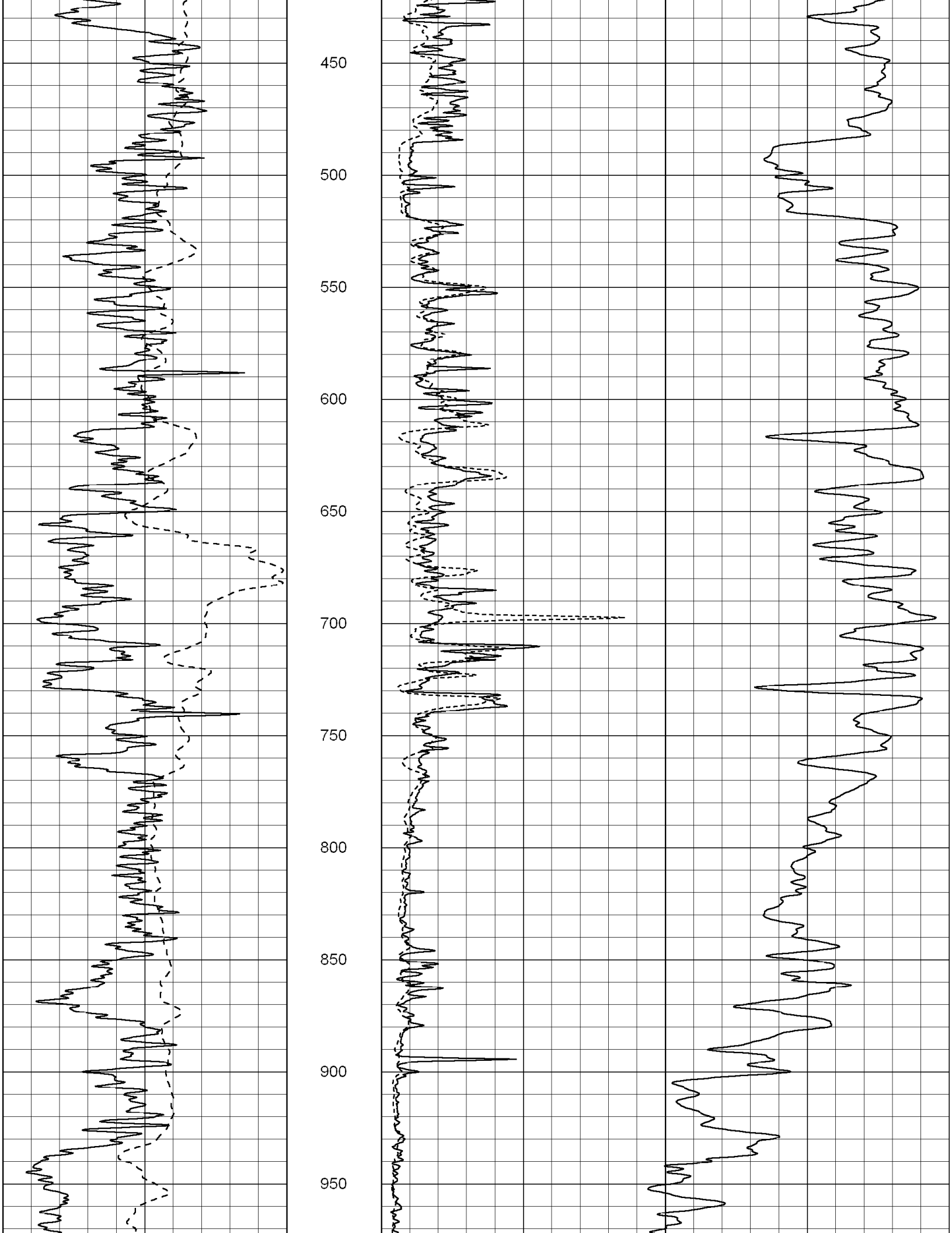
Kansas

Database File:	004778ddn.db
Dataset Pathname:	pass3.A
Presentation Format:	dil2
Dataset Creation:	Sun Jan 03 13:55:20 2010
Charted by:	Depth in Feet scaled 1:600

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

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

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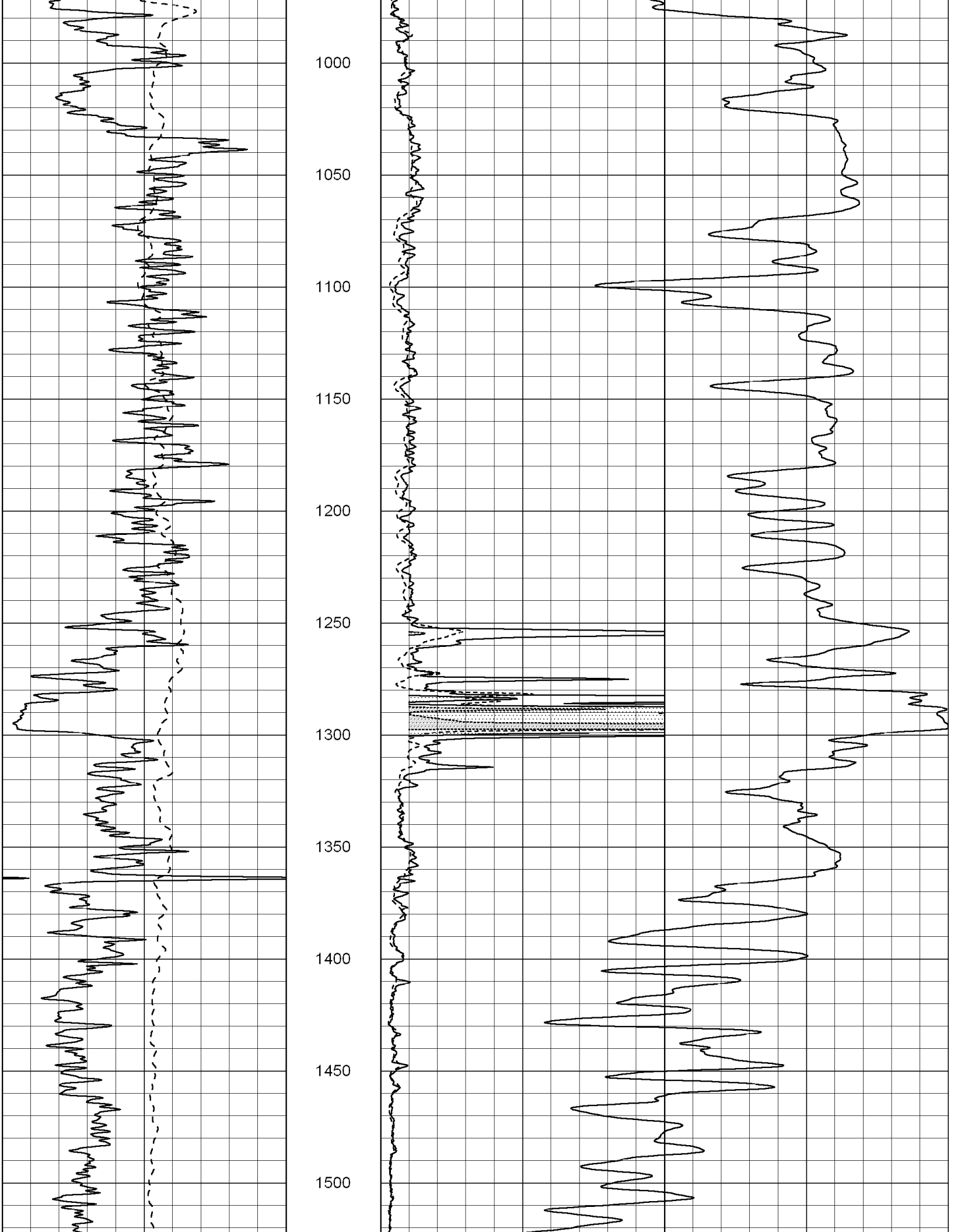
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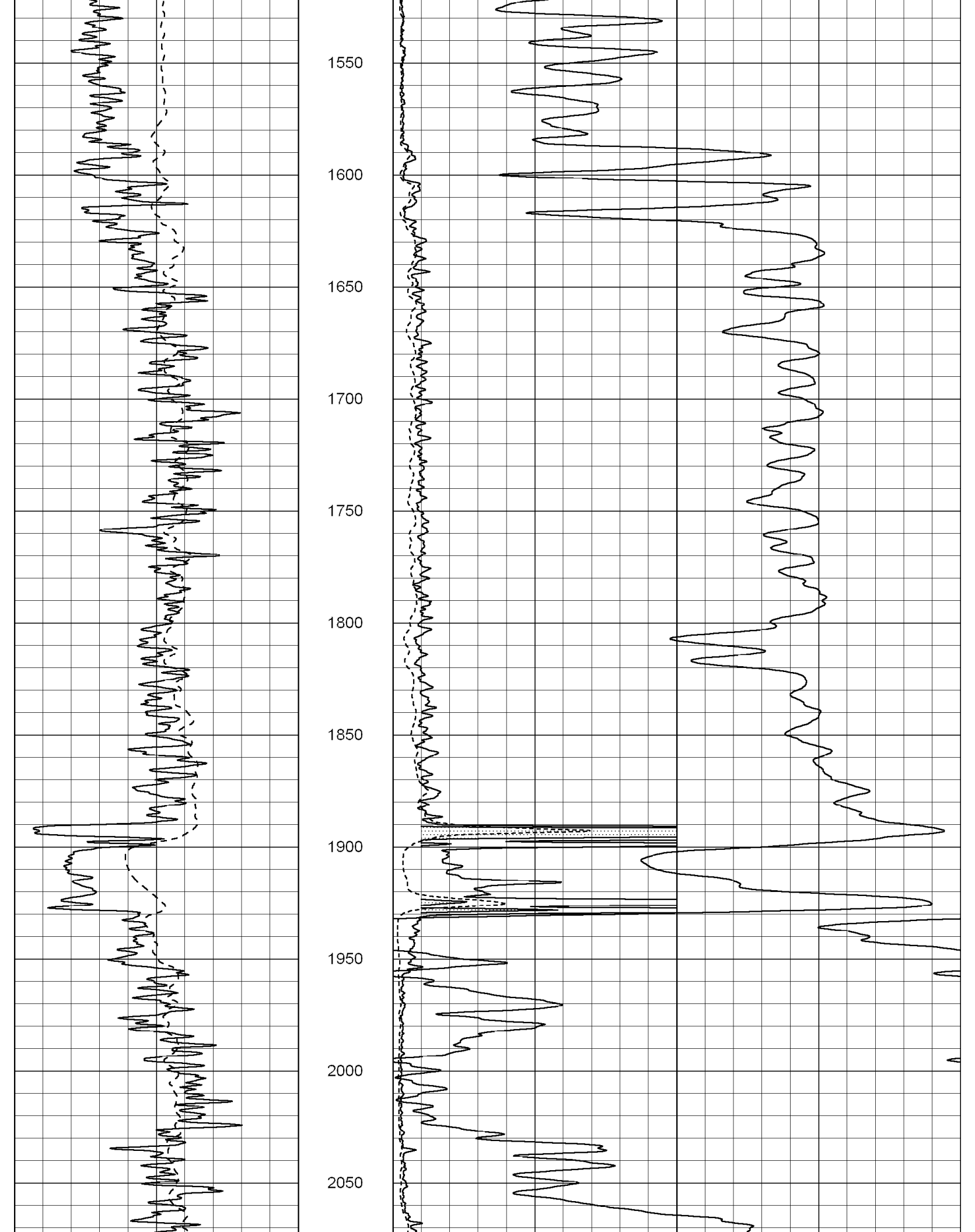
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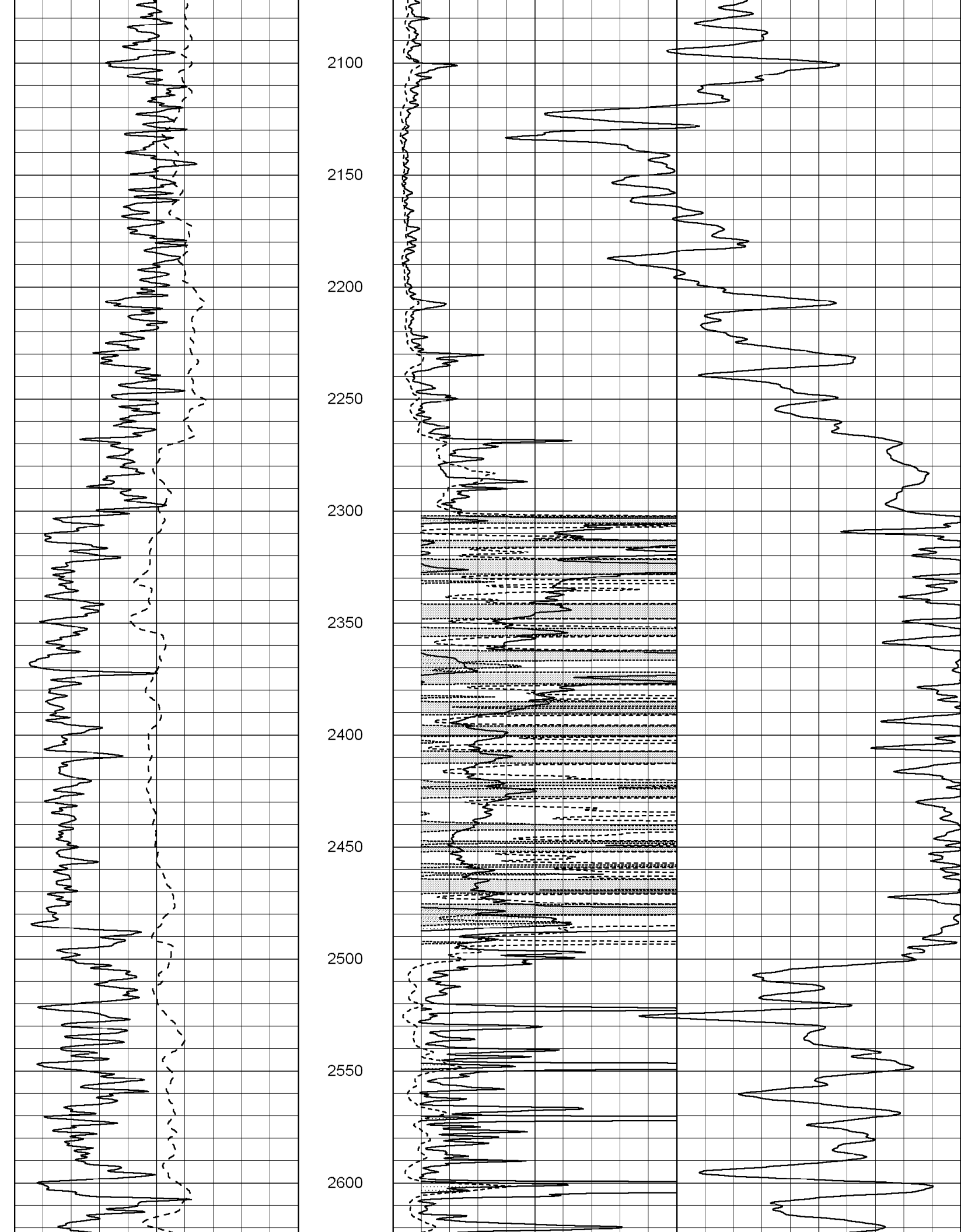
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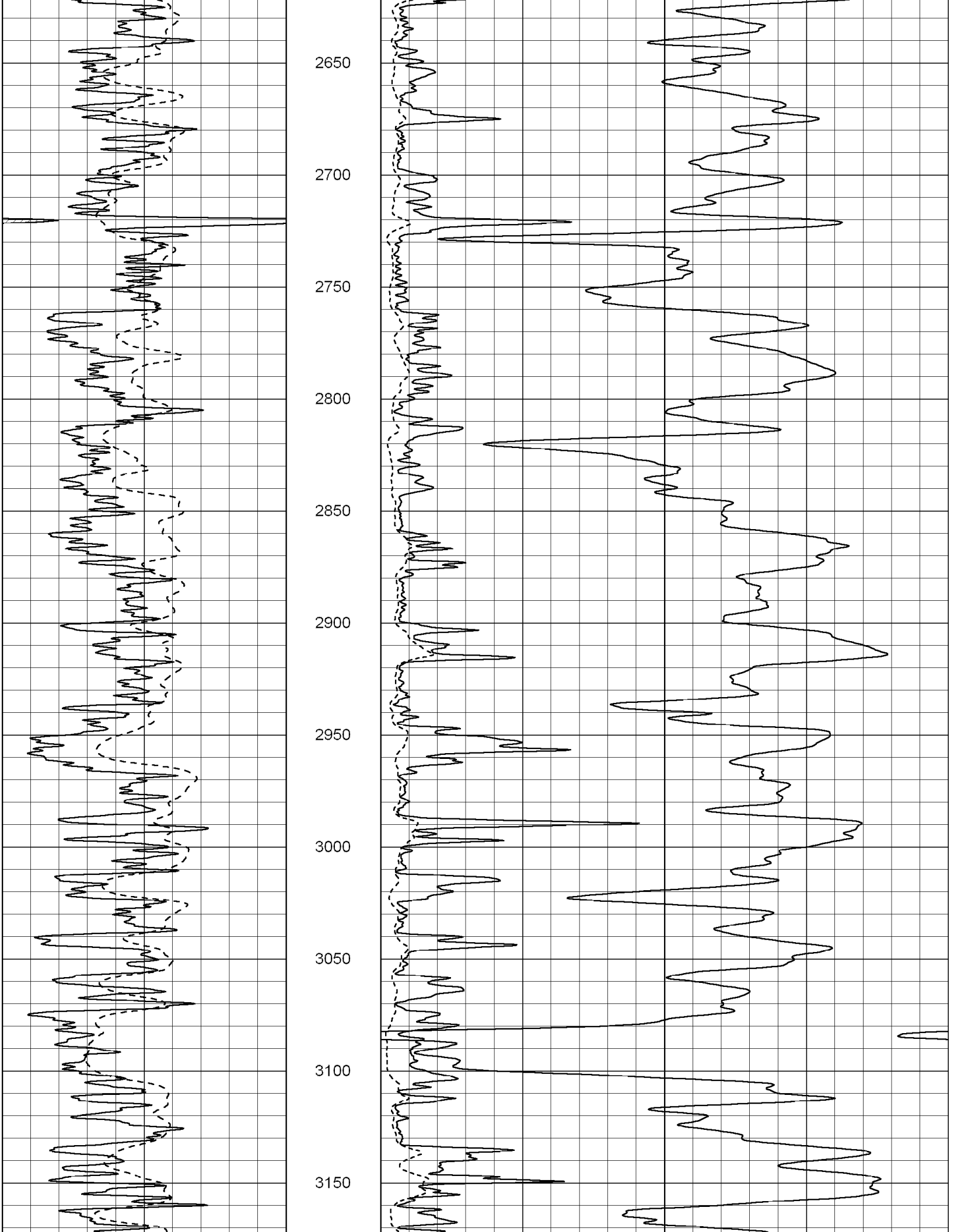
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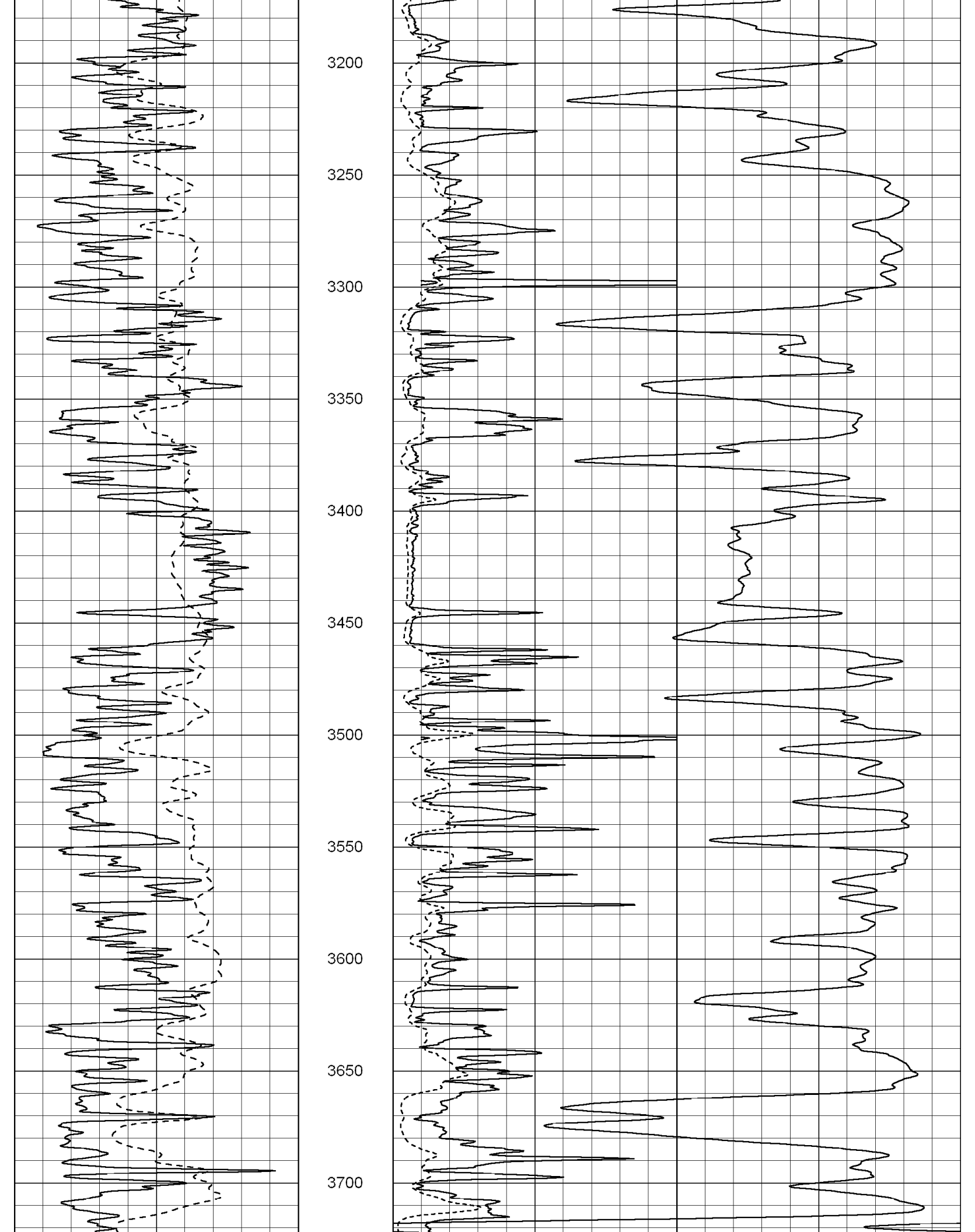
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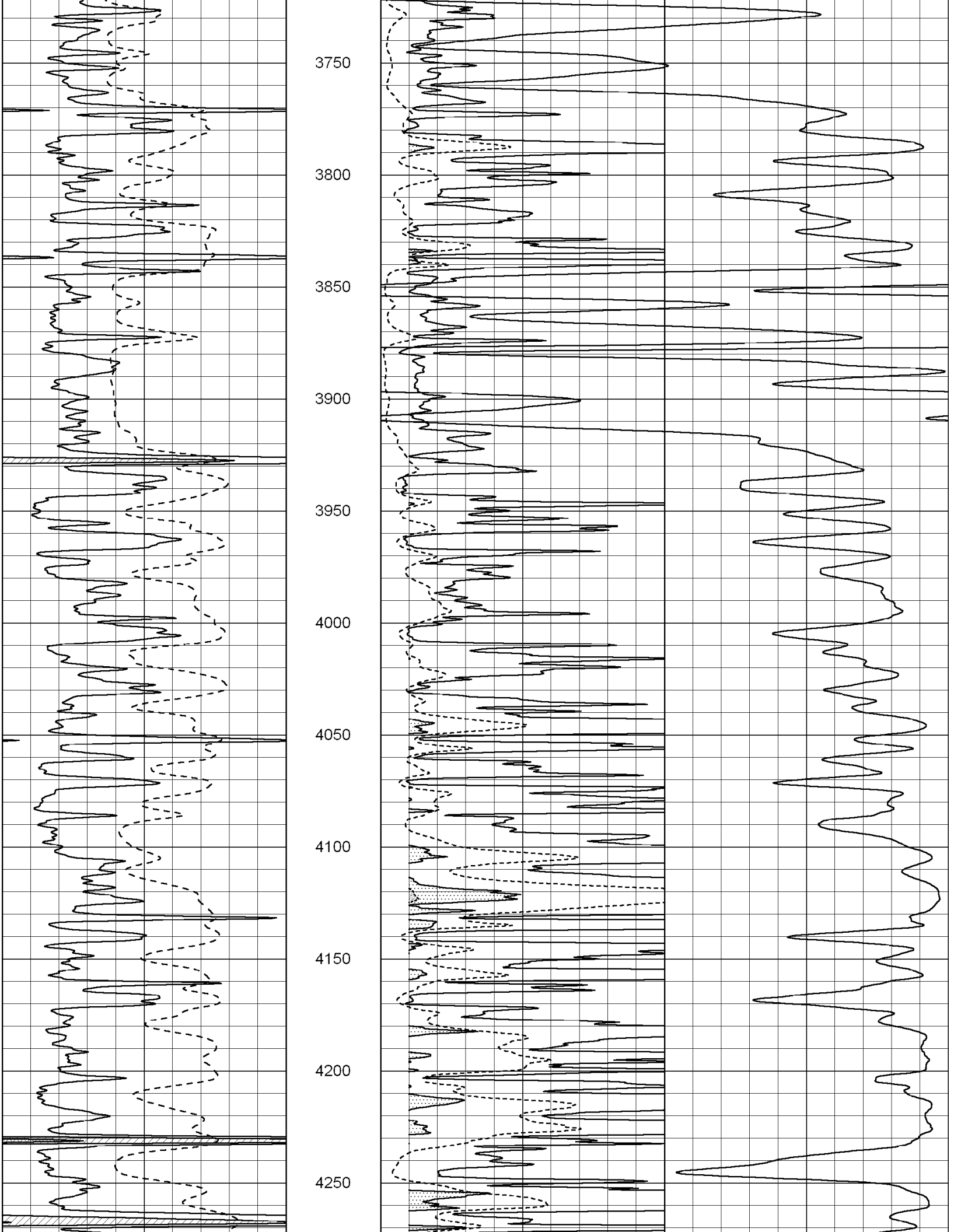
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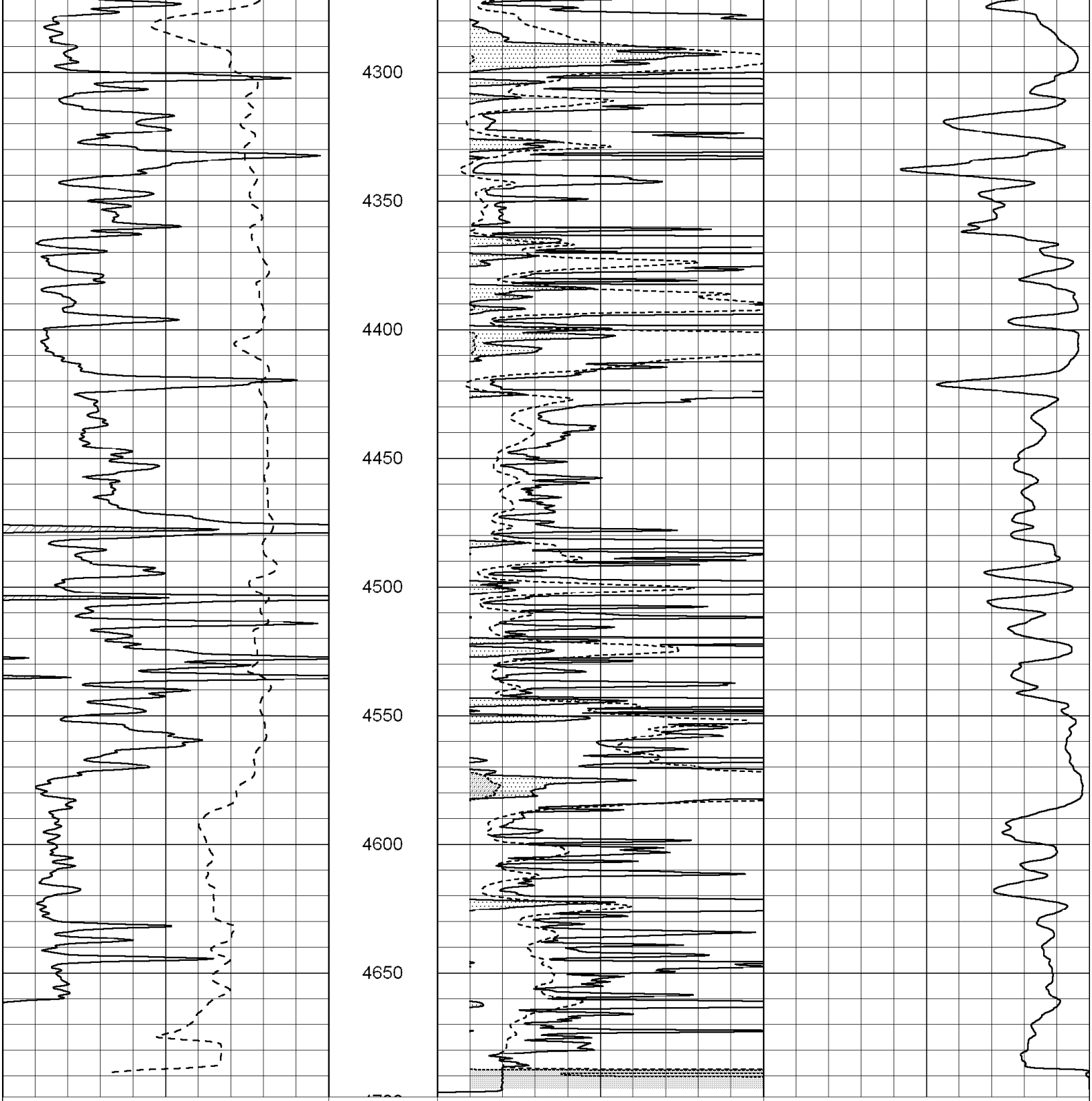


SUPERIOR WELL SERVICES

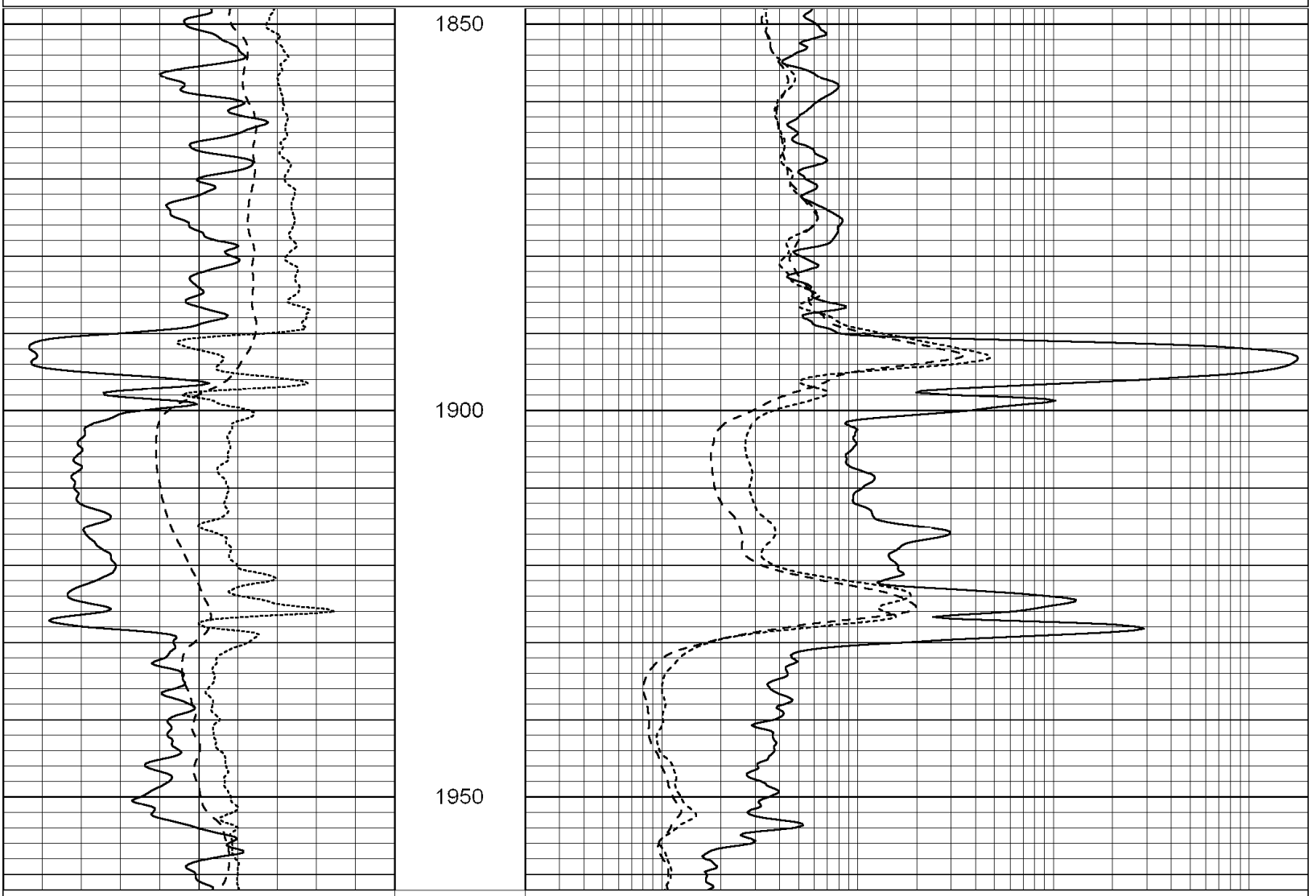
SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 004778ddn.db
Dataset Pathname: pass3.A
Presentation Format: dil
Dataset Creation: Sun Jan 03 13:55:20 2010
Charted by: Depth in Feet scaled 1:240

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

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

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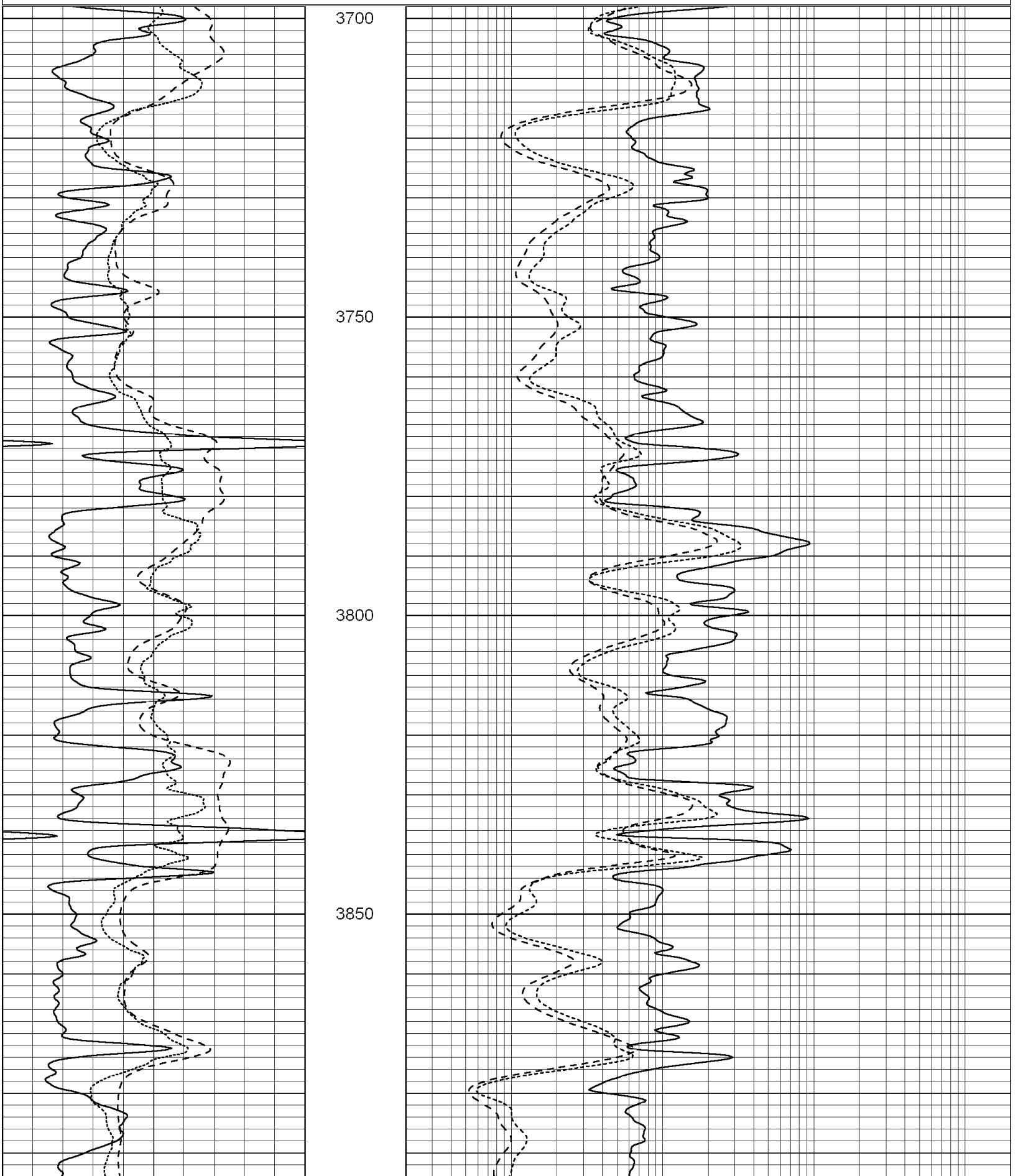
MAIN SECTION

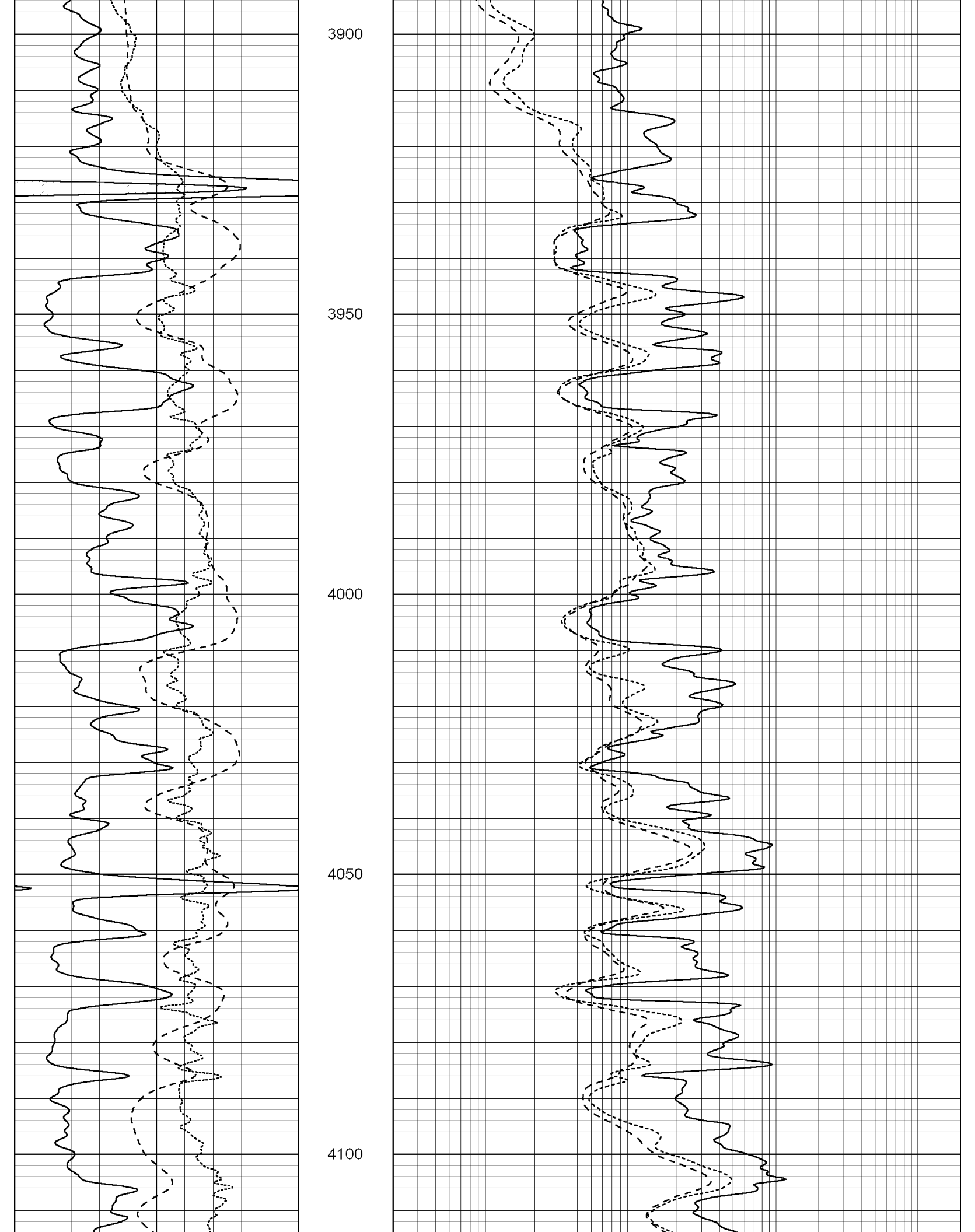
Database File: 004778ddn.db
Dataset Pathname: pass3.A
Presentation Format: dil
Dataset Creation: Sun Jan 03 13:55:20 2010
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:240

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

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

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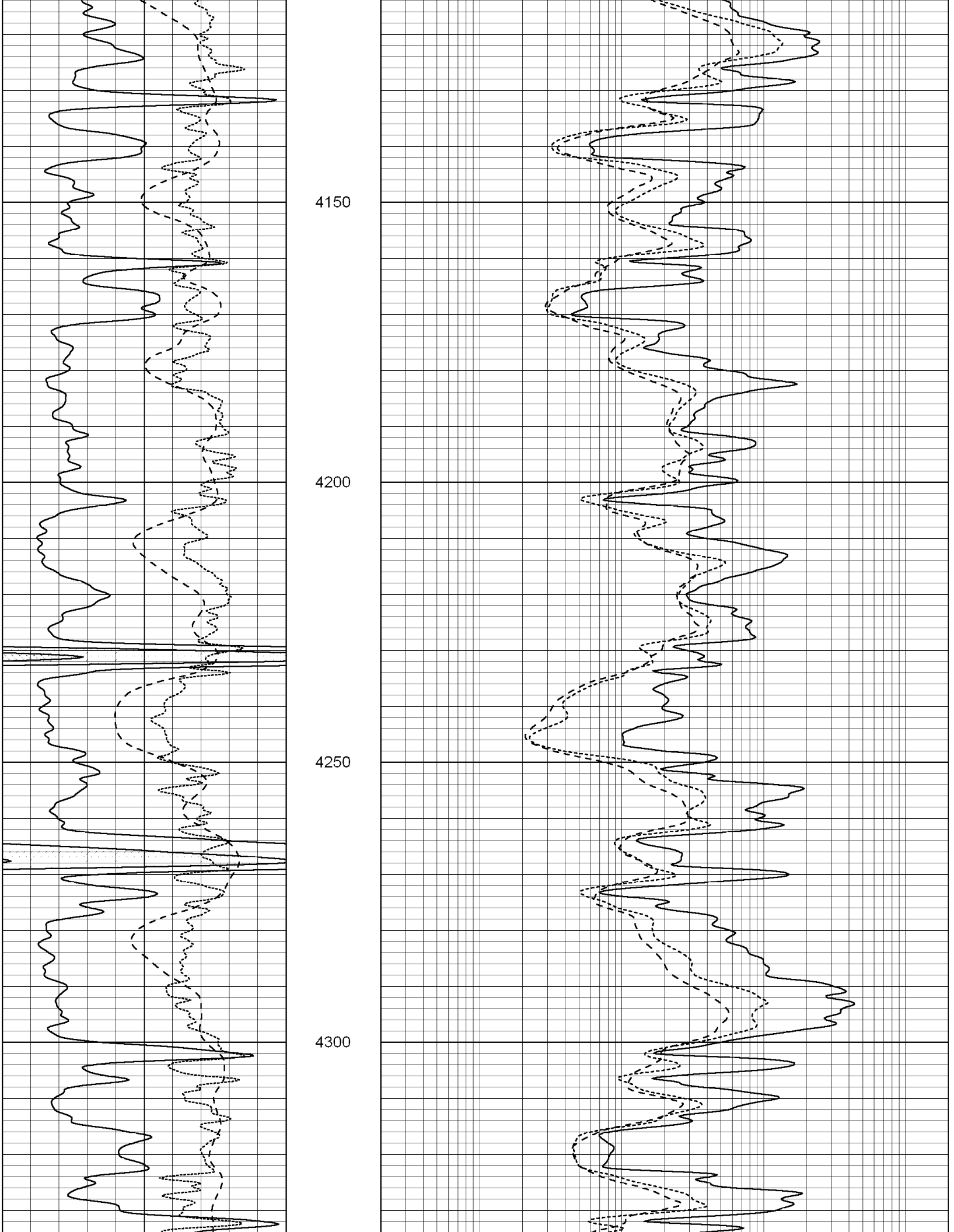
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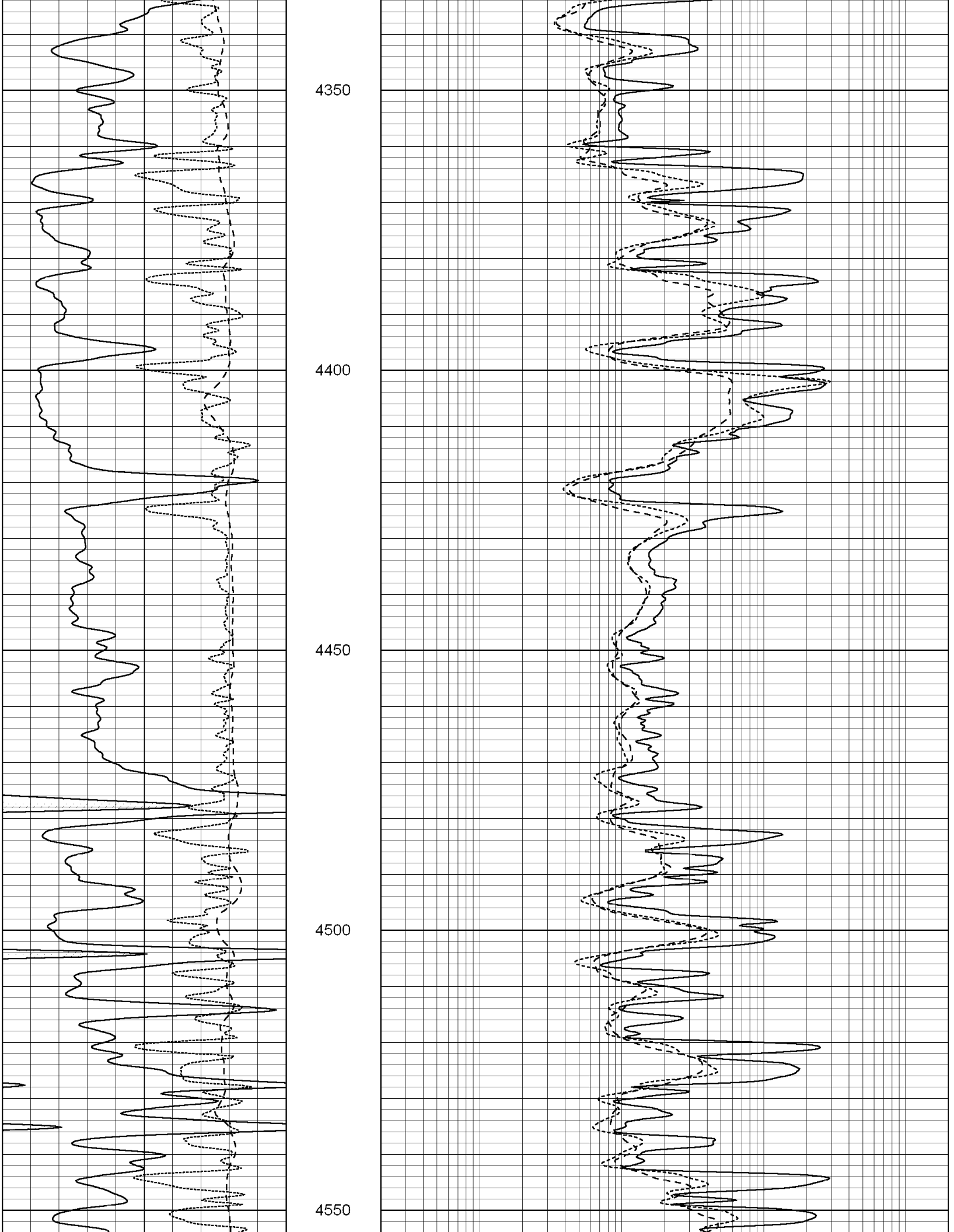
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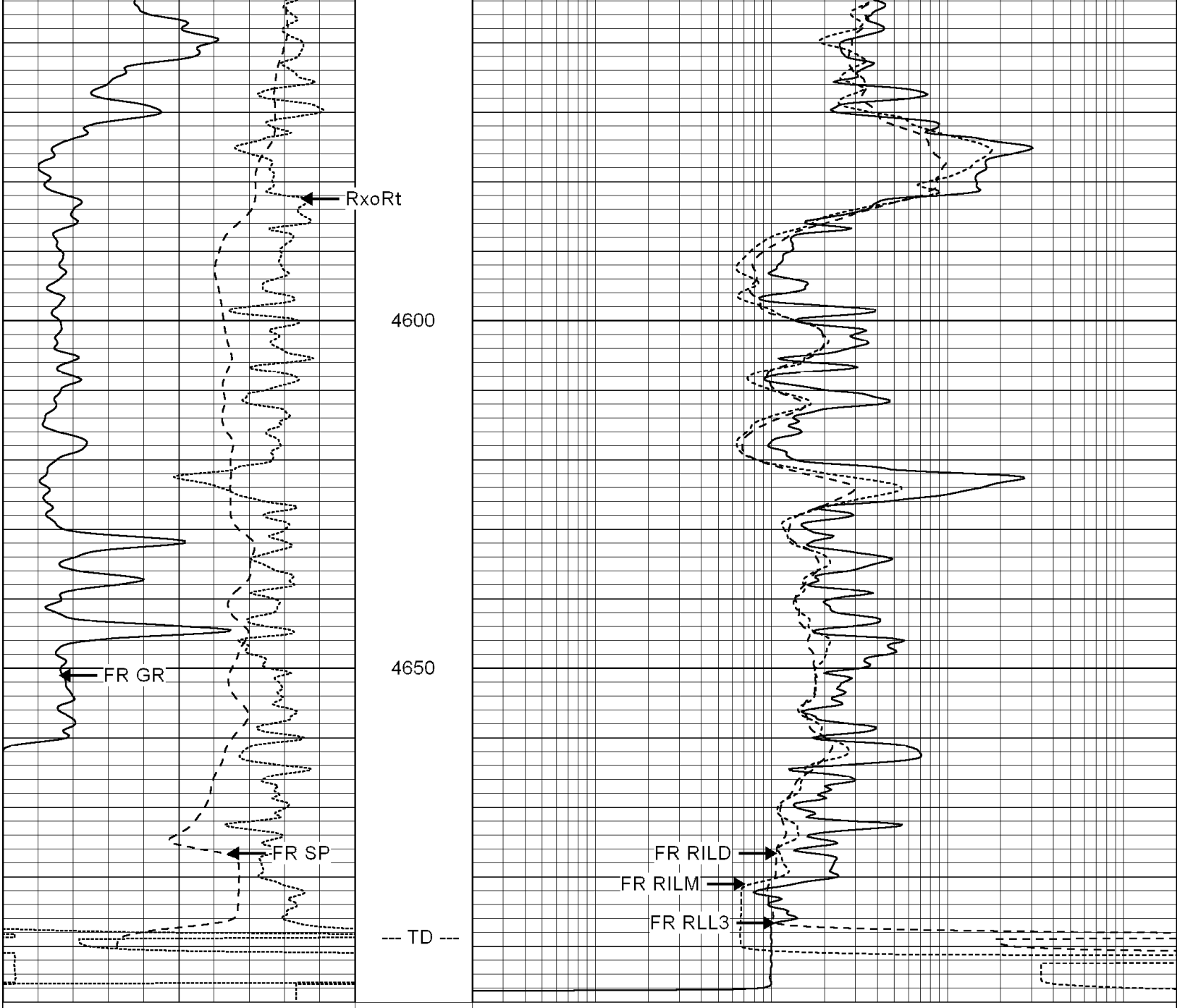

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50

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

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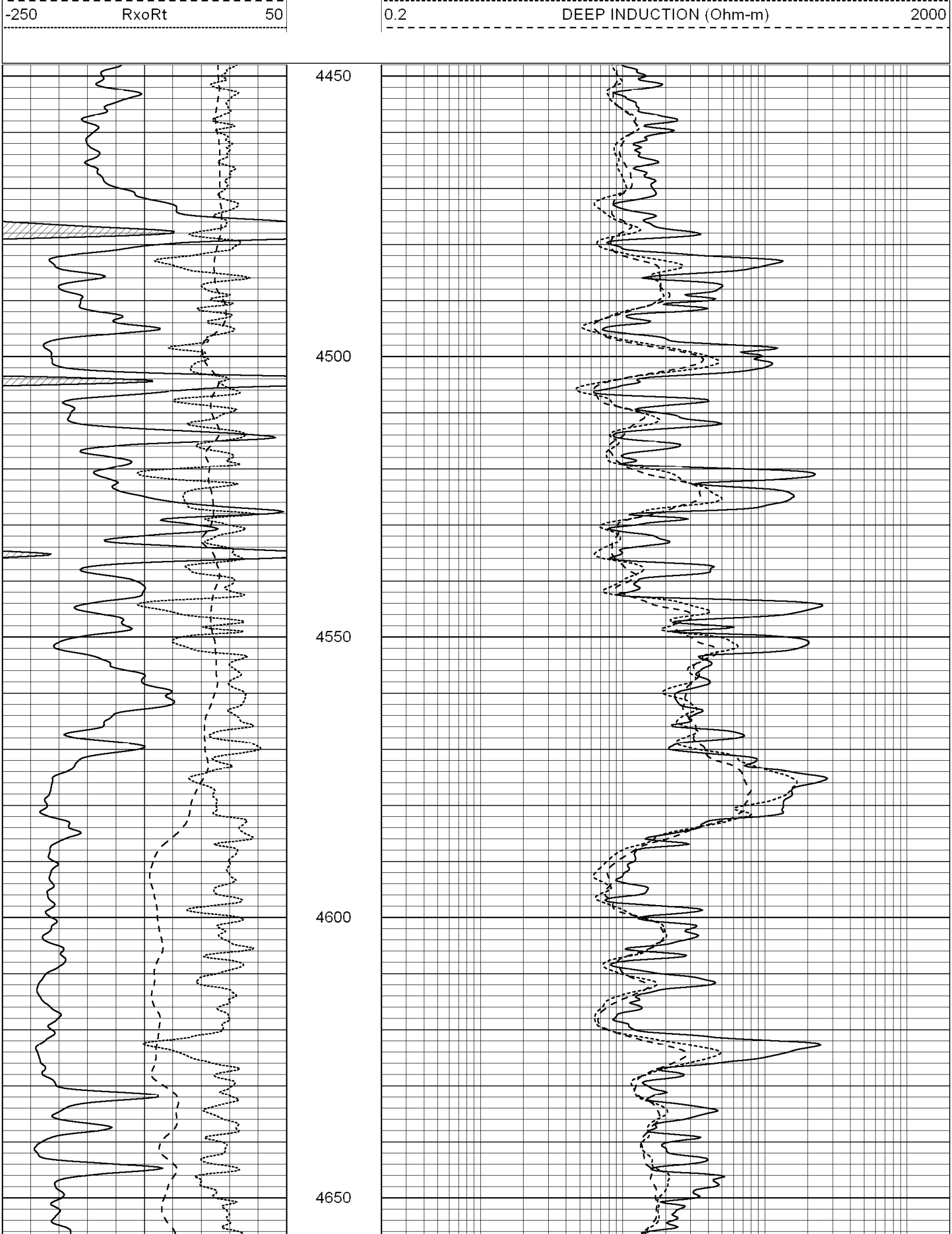
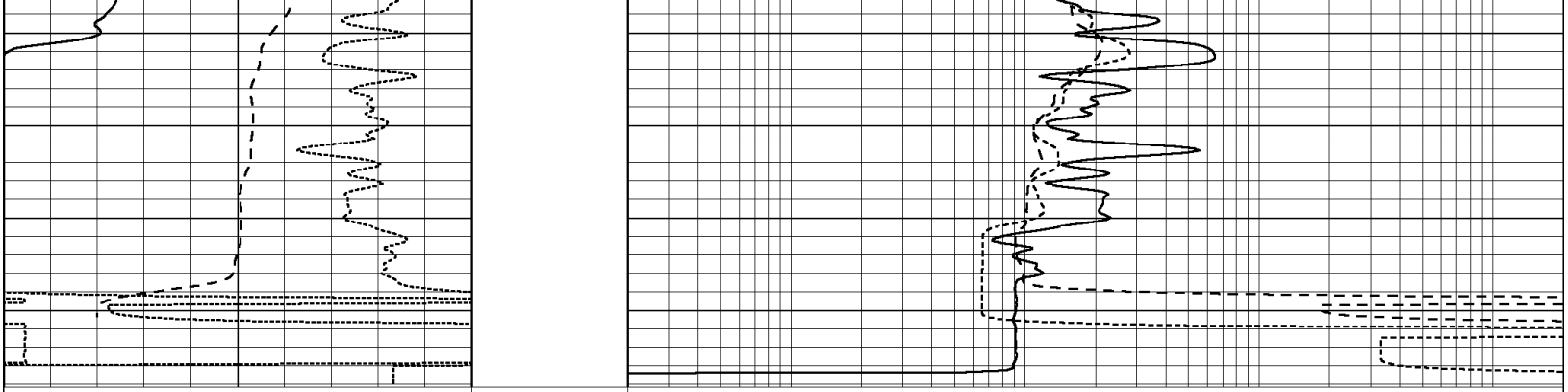
REPEAT SECTION

Database File:	004778ddn.db
Dataset Pathname:	pass2.1A
Presentation Format:	dil
Dataset Creation:	Sun Jan 03 14:01:34 2010 by Calc Open-Cased 051020
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100

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


-250
RxoRt
50
0.2
DEEP INDUCTION (Ohm-m)
2000
4450
4500
4550
4600
4650



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	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: 004778ddn.db
Dataset Pathname: pass3.A
Dataset Creation: Sun Jan 03 13:55:20 2010

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
Performed: Sun Jan 03 12:06:38 2010

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho-m	560.000	-8.000
Medium	-0.005	0.737	V	0.000	462.500	mmho-m	540.000	-10.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho-m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho-m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Sun Jan 03 12:09:04 2010

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1006.91	528.07	cps
Aluminum	2.590	g/cc	233.49	355.80	cps

Spine Angle = 74.88 Density/Spine Ratio = 0.581

	Size		Reading	
Small Ring	8.10	in	3.68	V
Large Ring	14.00	in	6.06	V

Compensated Neutron Calibration Report

Serial Number: NEU_1I
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:	GR5	
Tool Model:	OPEN	
Performed:	Sun Jan 03 11:52:20 2010	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5800	GAPI/cps