DUAL INDUCTION LOG

Company DIXON OPERATING COMPANY, LLC.
Well BYER #1-3
Field MIKES METEOR
County STAFFORD
State KANSAS

Company	DIXON OPERATING COMPANY, LLC.
Well	BYER #1-3
Field	MIKES METEOR
County	STAFFORD State KANSAS

Location: API # : 15-185-23986-0000

2310' FSL & 350' FEL

SEC 3 TWP 23S RGE 12W

Other Services
CDL/CNL/PE
MEL/SON

Permanent Datum GROUND LEVEL Elevation 1831
Log Measured From KELLY BUSHING 9' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1840
D.F. 1838
G.L. 1831

Date	7/1/17		
Run Number	ONE		
Depth Driller	3880		
Depth Logger	3874		
Bottom Logged Interval	3872		
Top Log Interval	00		
Casing Driller	8 5/8" @ 367'		
Casing Logger	366'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8200 PPM	
Density / Viscosity	9.2/51		
pH / Fluid Loss	9.0/10.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60 @ 85F		
Rmf @ Meas. Temp	.45 @ 85F		
Rmc @ Meas. Temp	.72 @ 85F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.44 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	115F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	CHUCK SCHMALTZ		

<<< Fold Here >>>

Comments

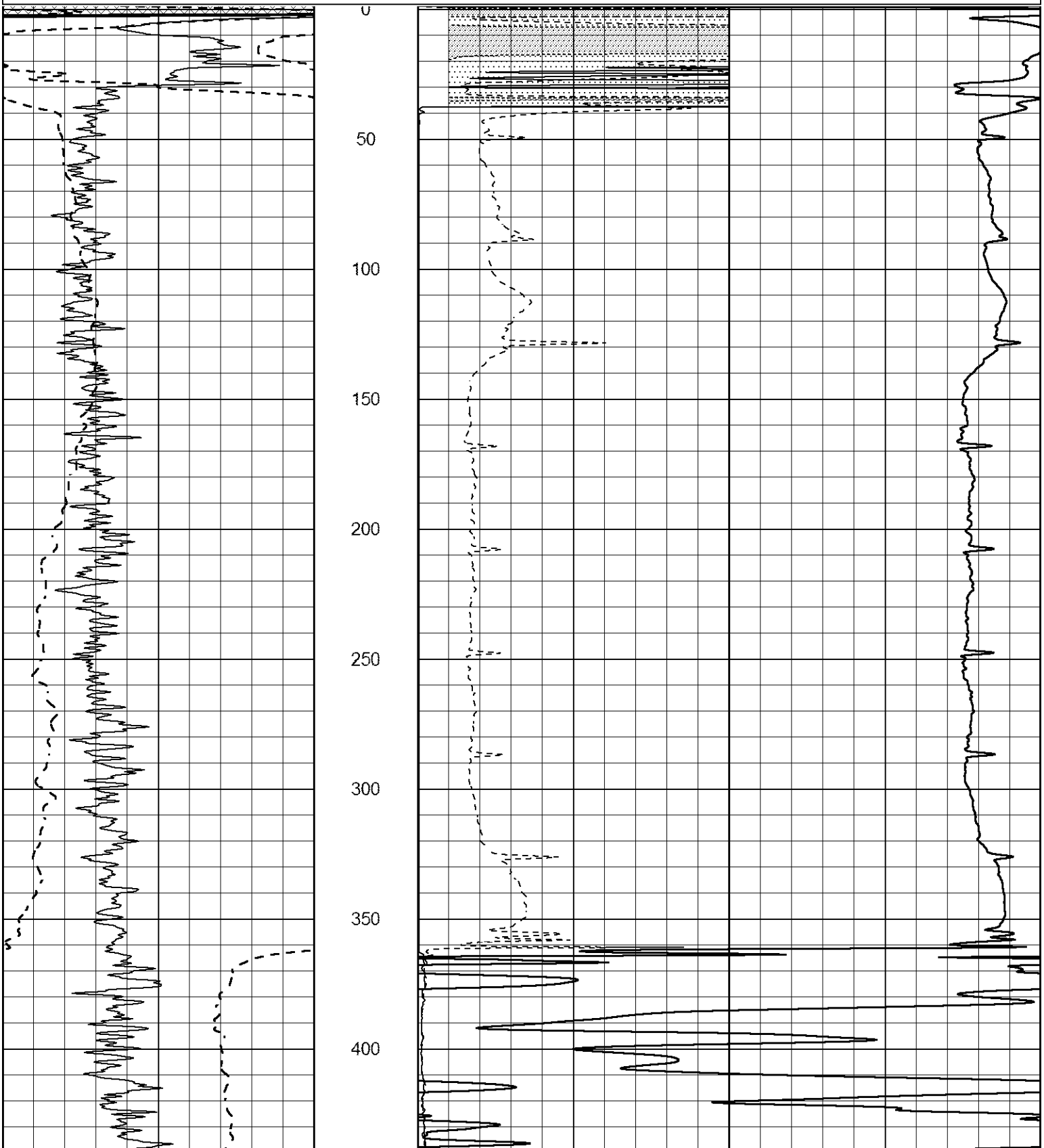
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
HWY 281 & HWY 19 - SOUTH TO 70TH RD. (QUIVIRA BLKTOP)
7 EAST TO 70 RD. - 1 1/4 NORTH - WEST INTO

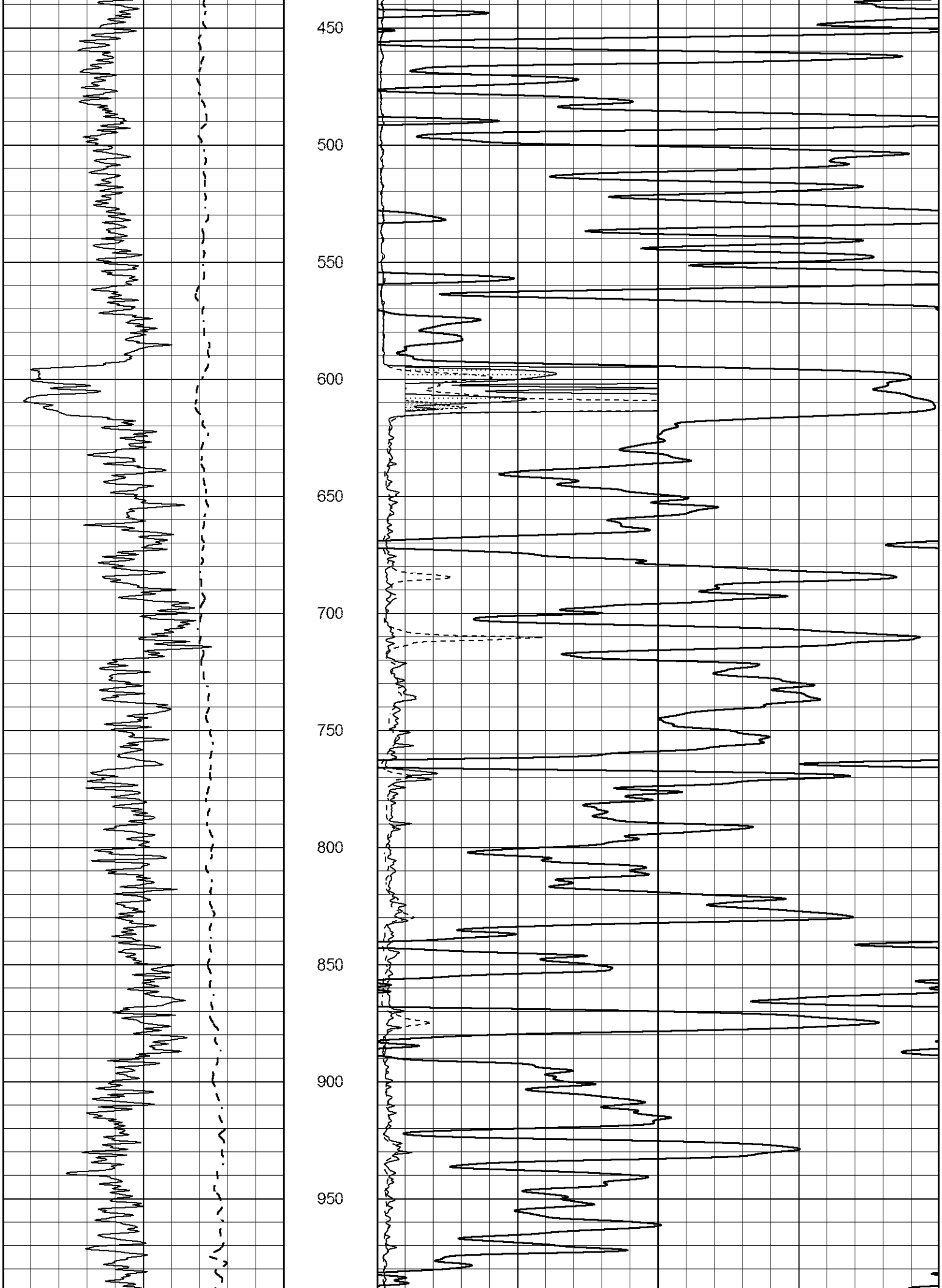
MAIN SECTION

Database File	1566pe8.db
Dataset Pathname	pass3.3
Presentation Format	_dil2
Dataset Creation	Sat Jul 01 07:40:02 2017
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

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550
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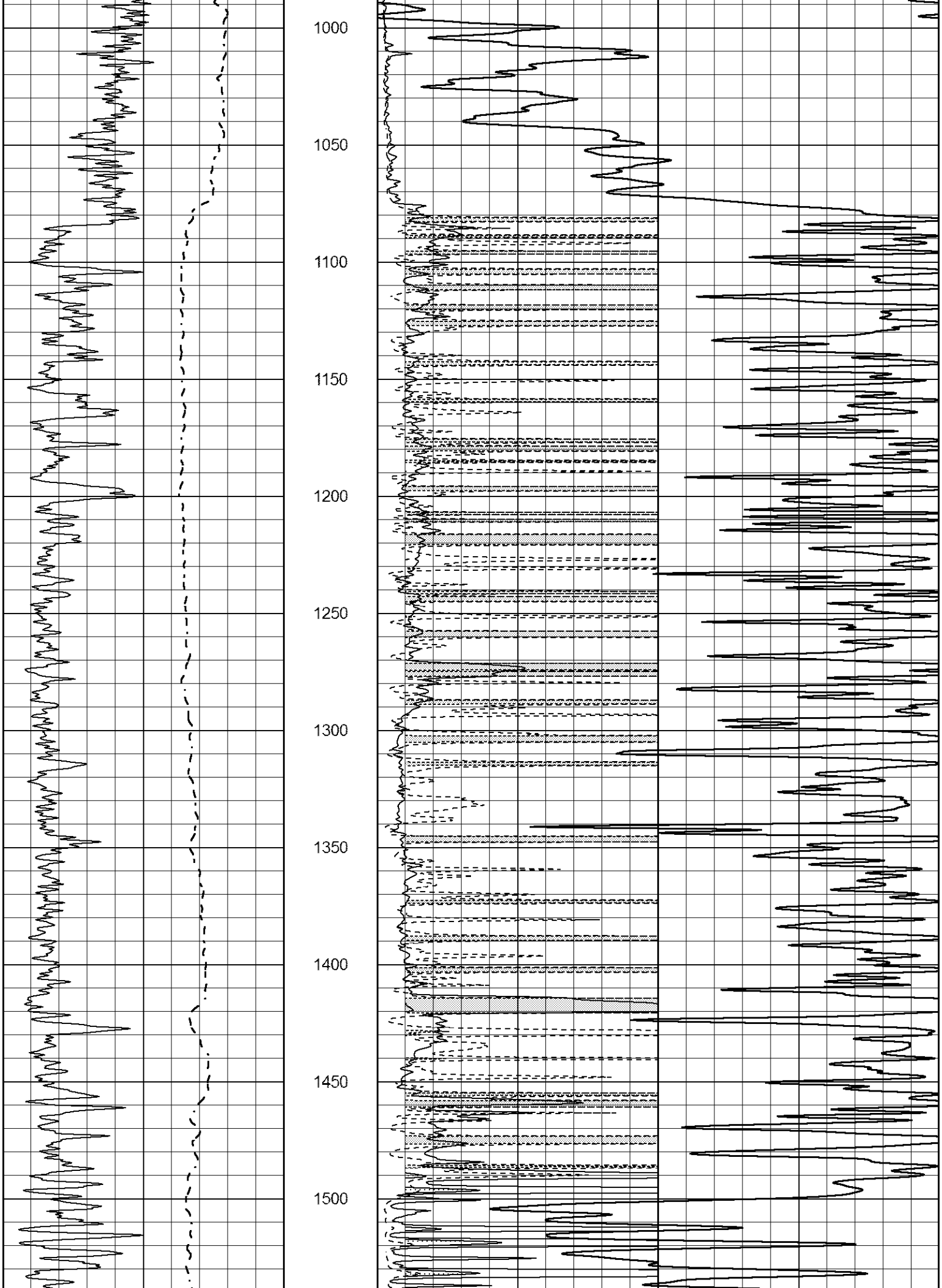
650
700
750
800
850
900
950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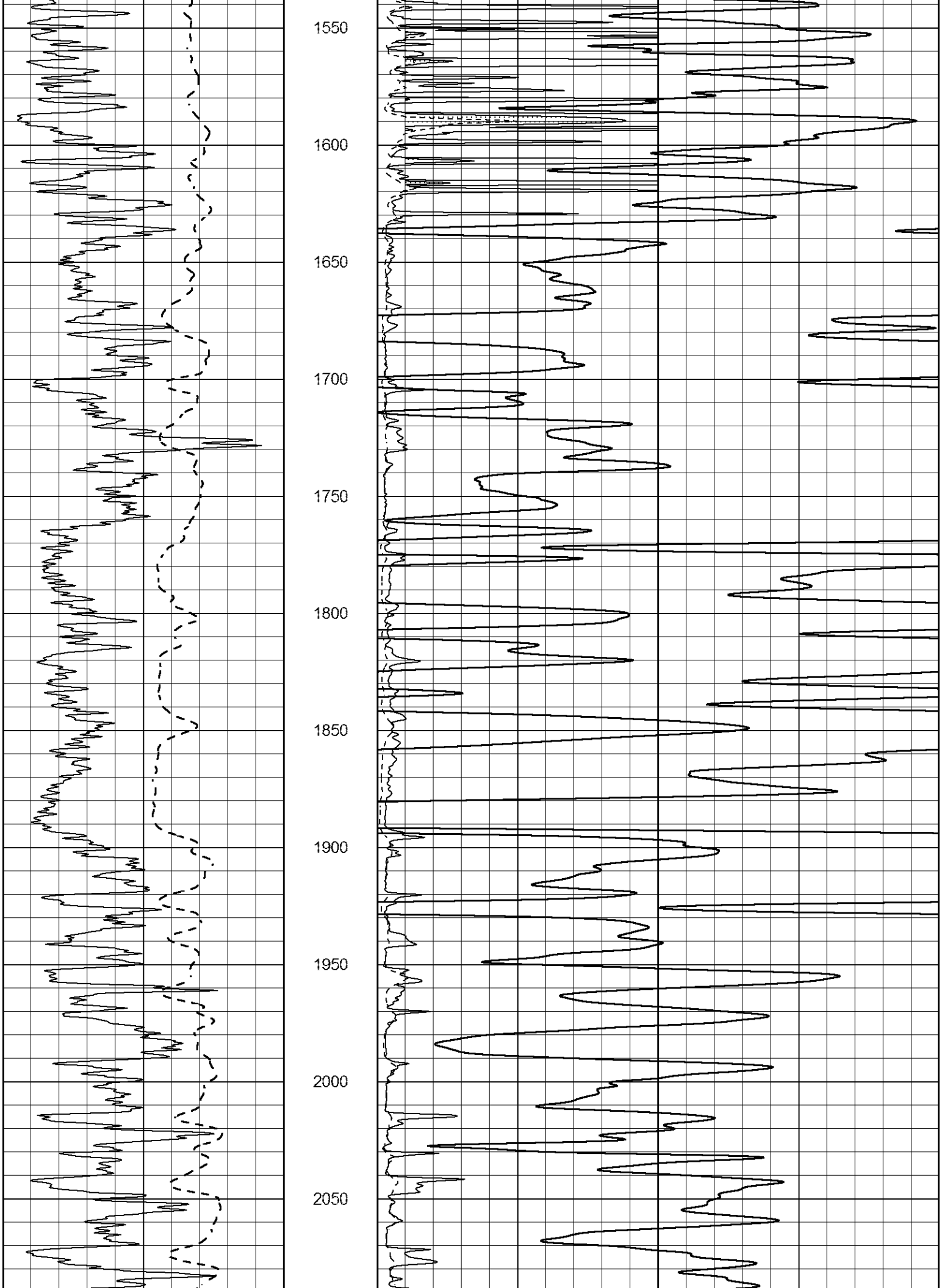
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500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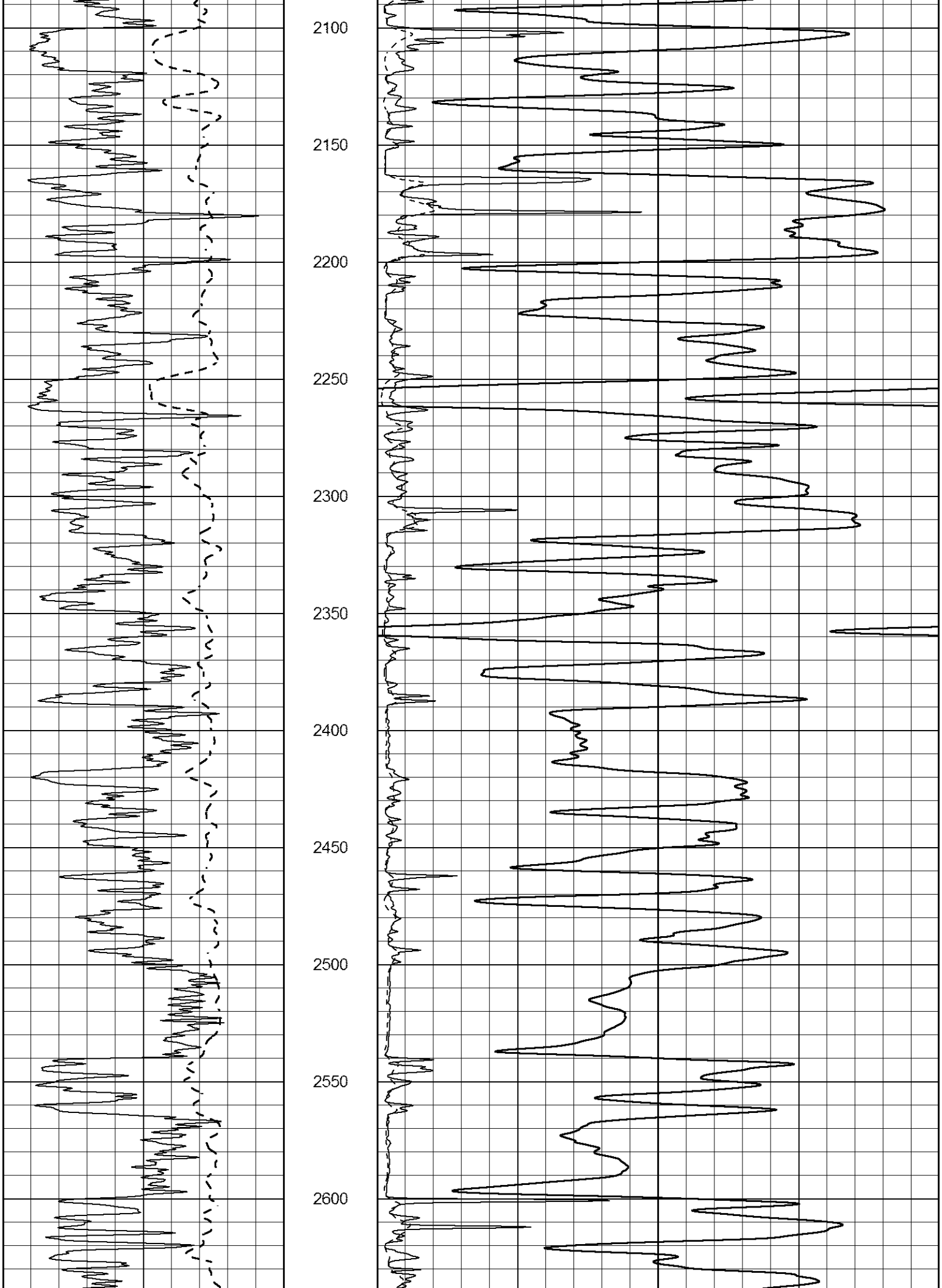
1650
1700
1750
1800
1850
1900
1950
2000
2050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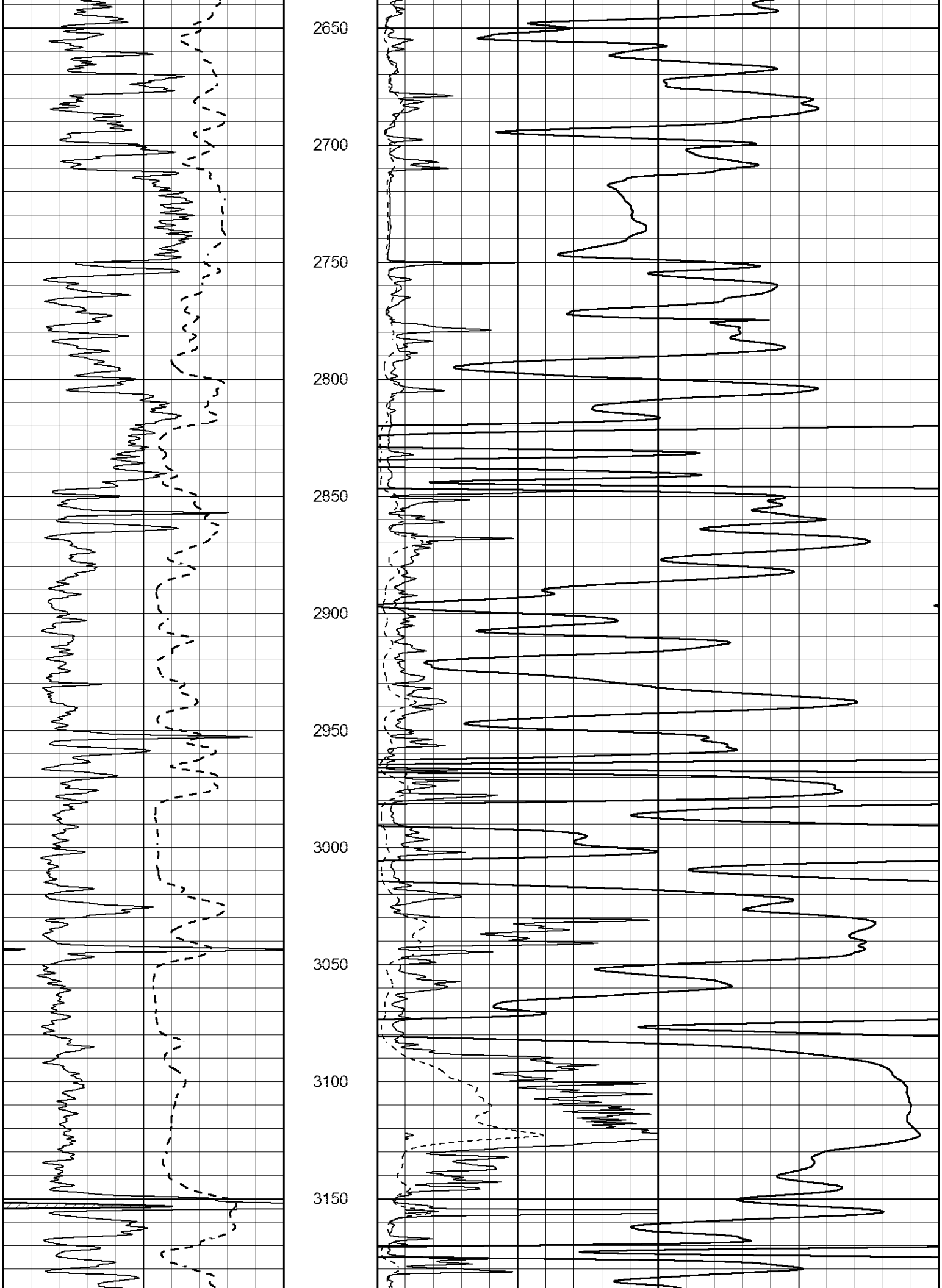
2250
2300
2350
2400
2450
2500
2550
2600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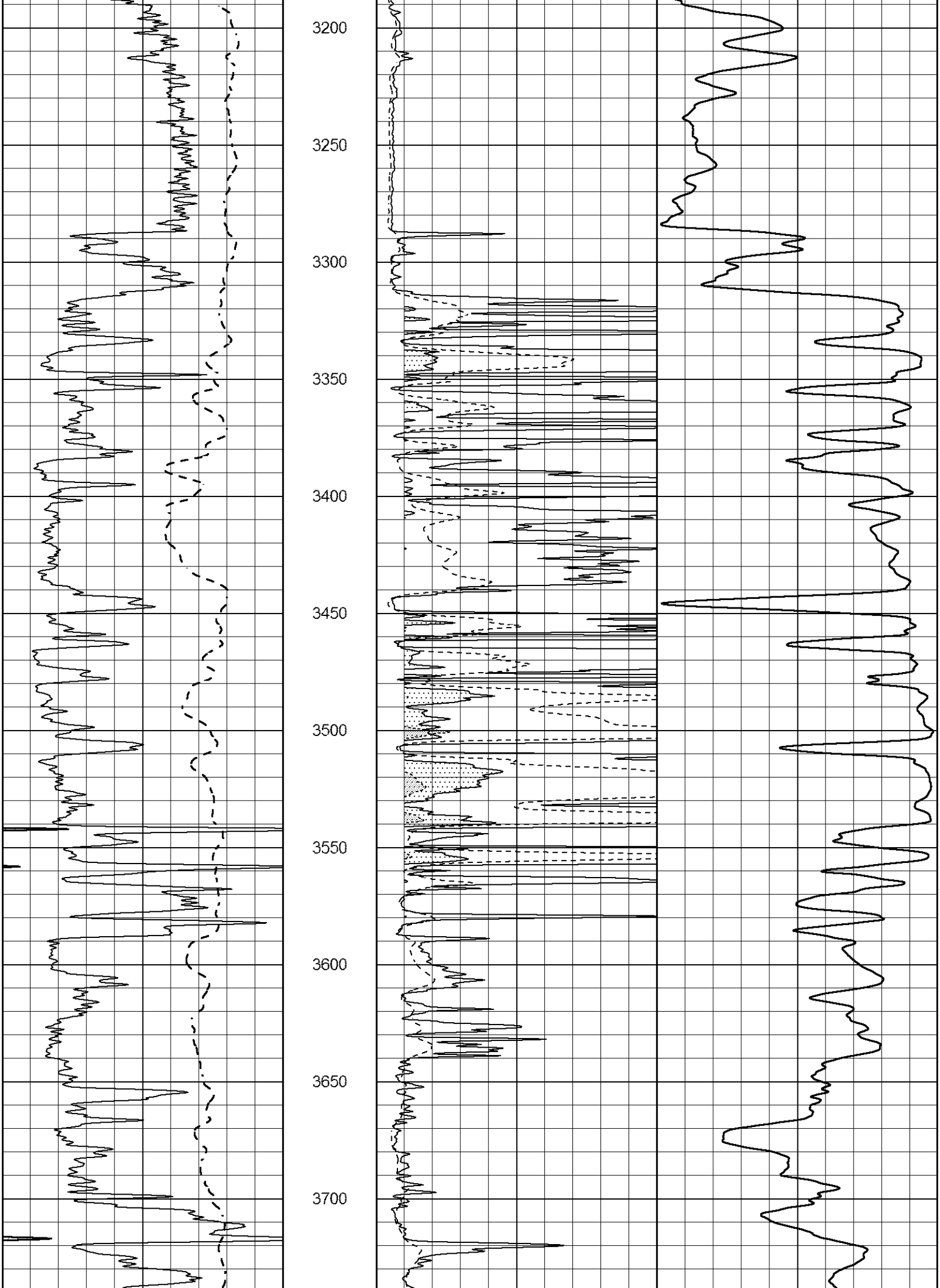
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150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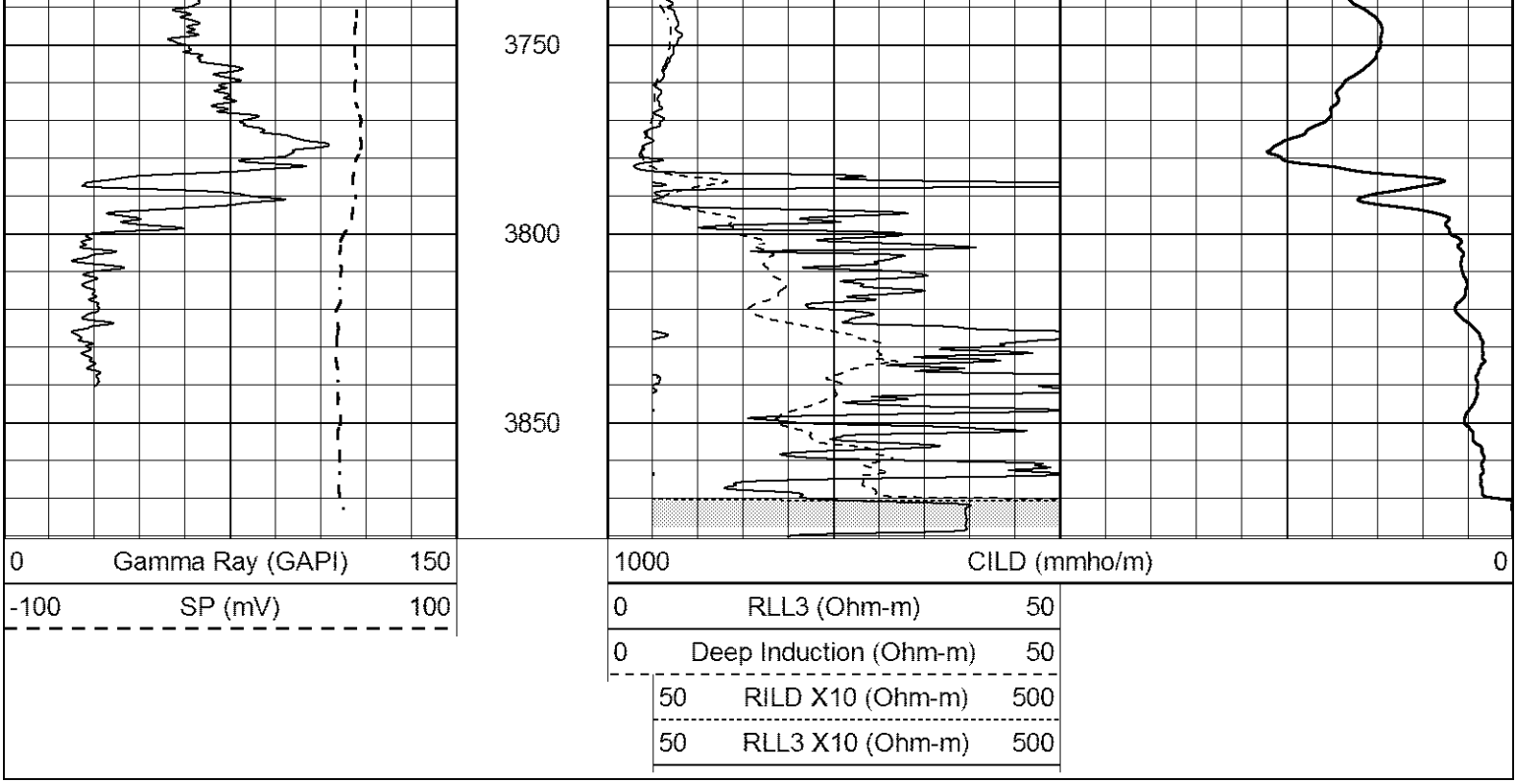
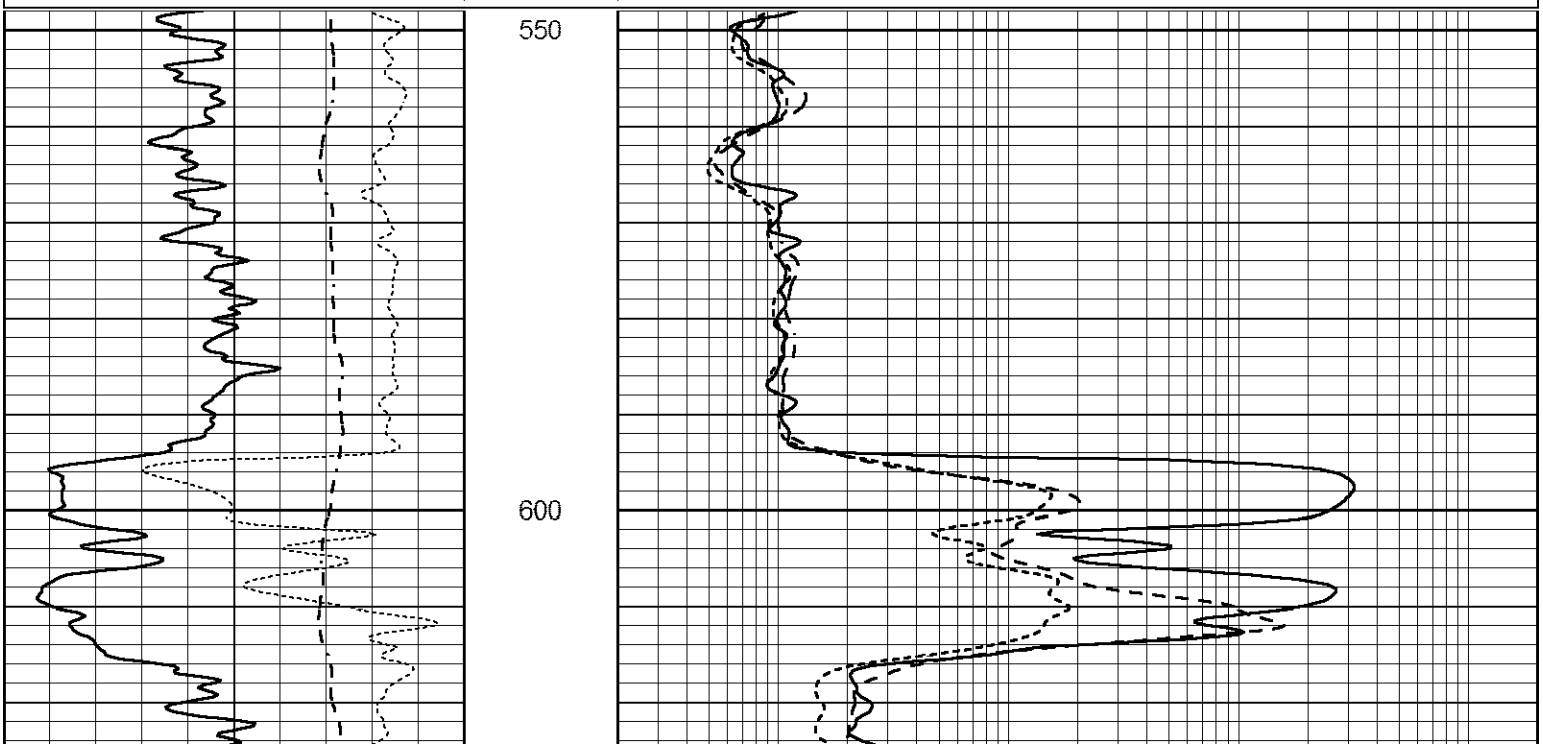
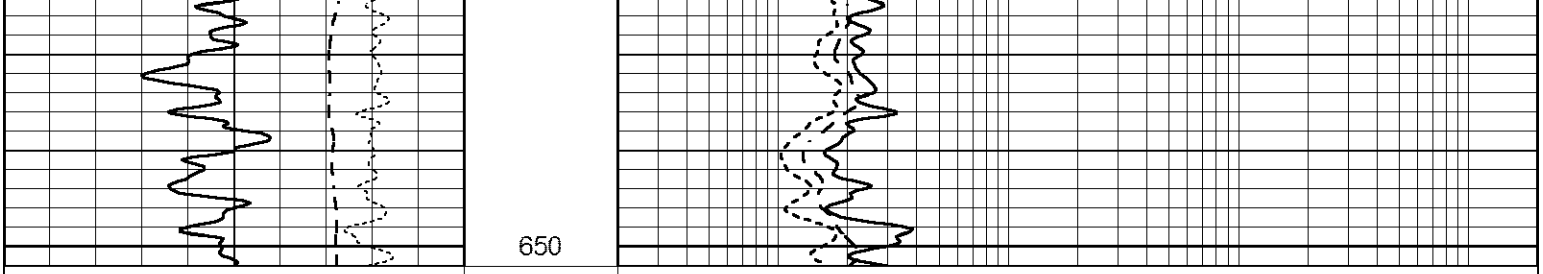
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700



ANHYDRITE

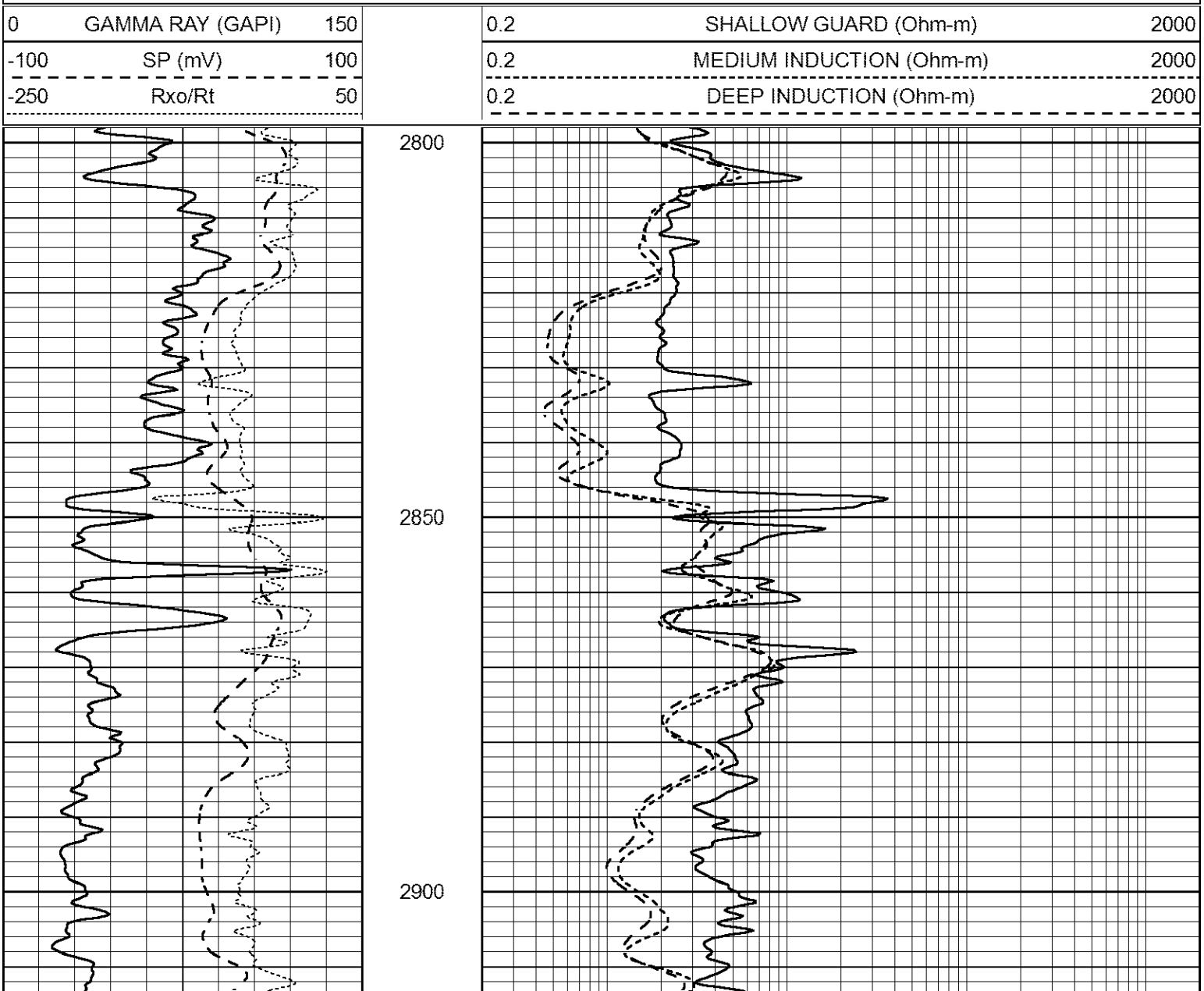
Database File	1566pe8.db
Dataset Pathname	pass3.2
Presentation Format	_dil
Dataset Creation	Sat Jul 01 06:51:13 2017
Charted by	Depth in Feet scaled 1:240

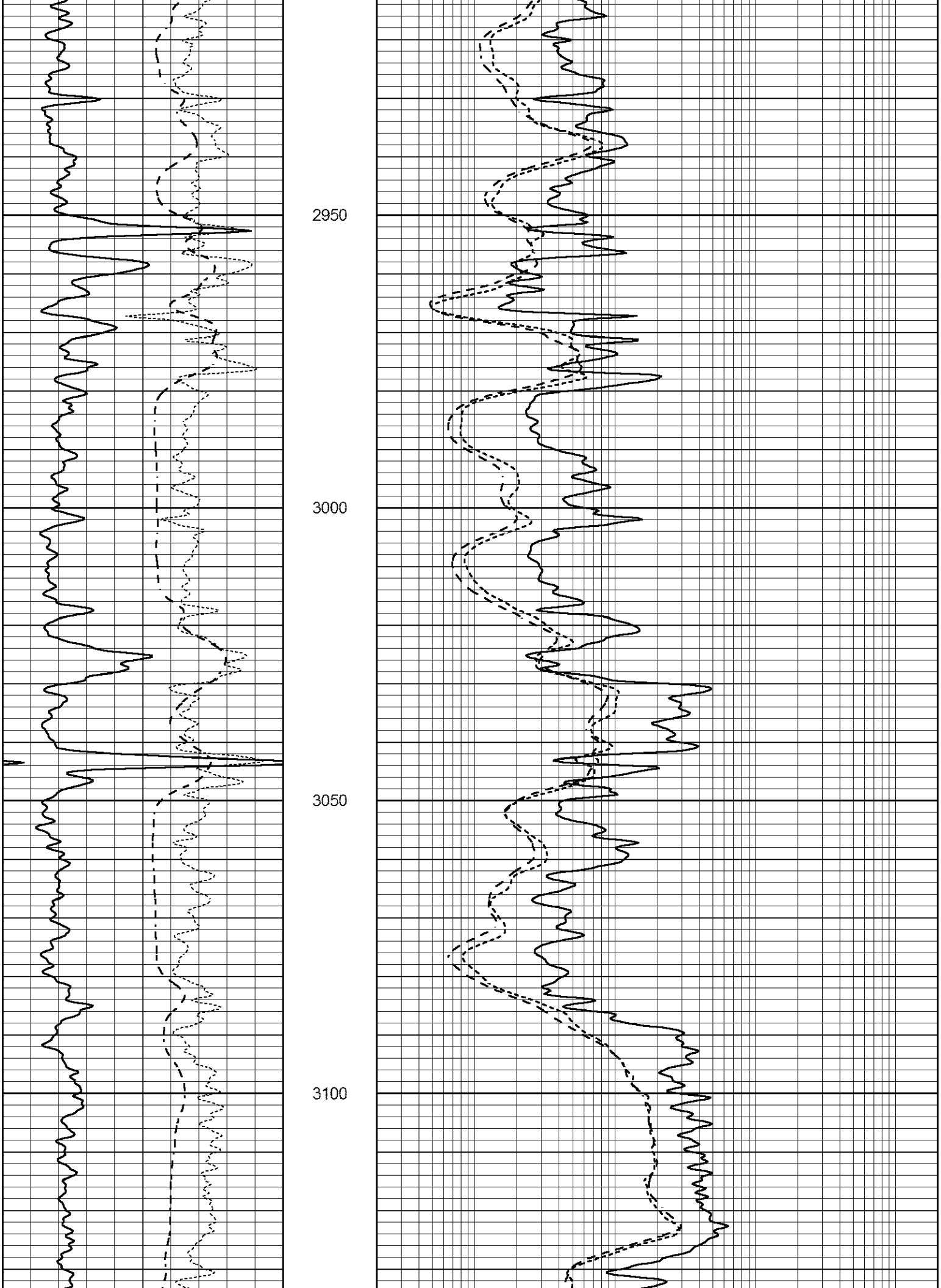




MAIN SECTION

Database File	1566pe8.db
Dataset Pathname	pass3.1
Presentation Format	_dil
Dataset Creation	Sat Jul 01 06:29:31 2017
Charted by	Depth in Feet scaled 1:240

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3000
3050
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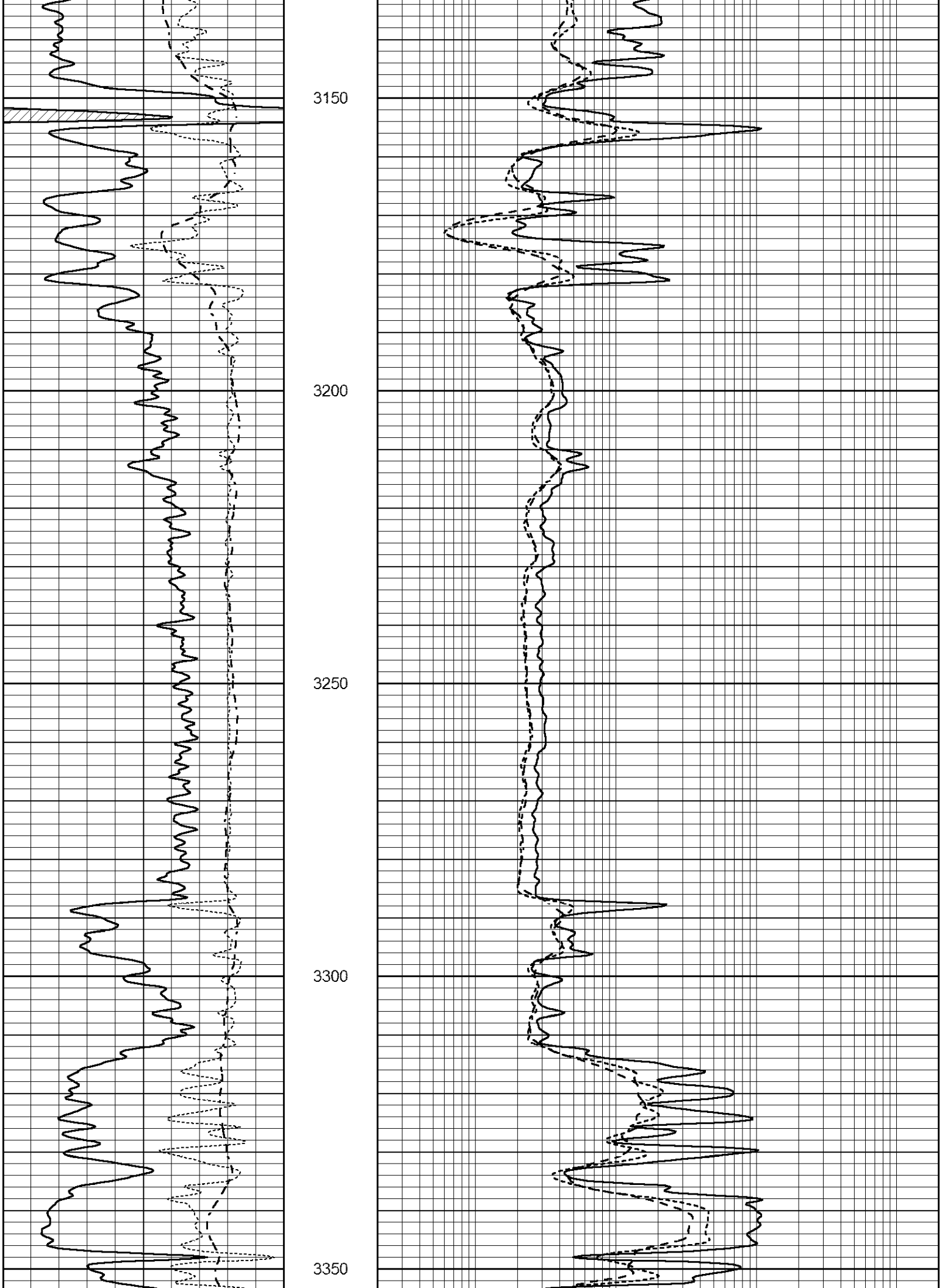
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3250
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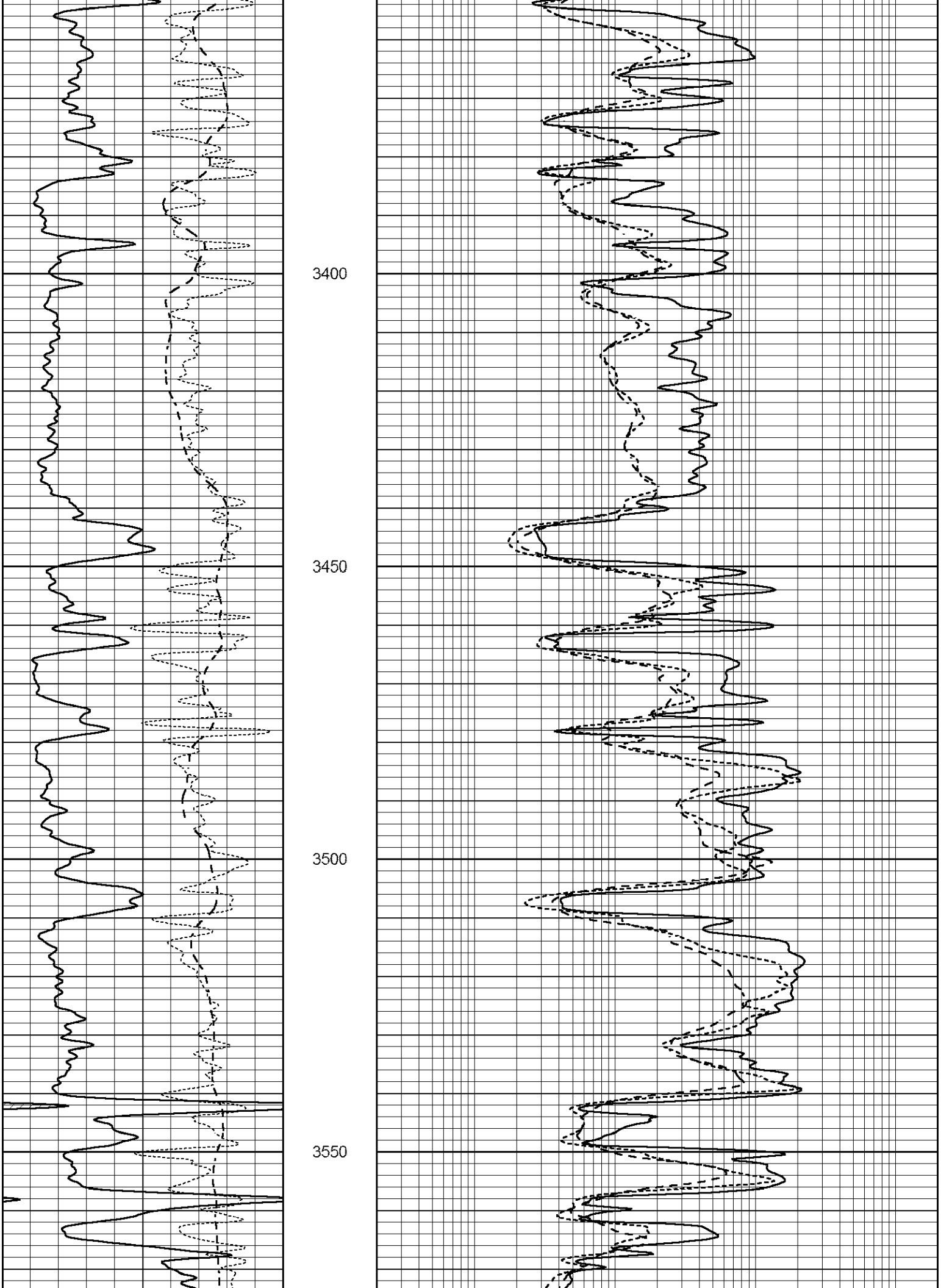
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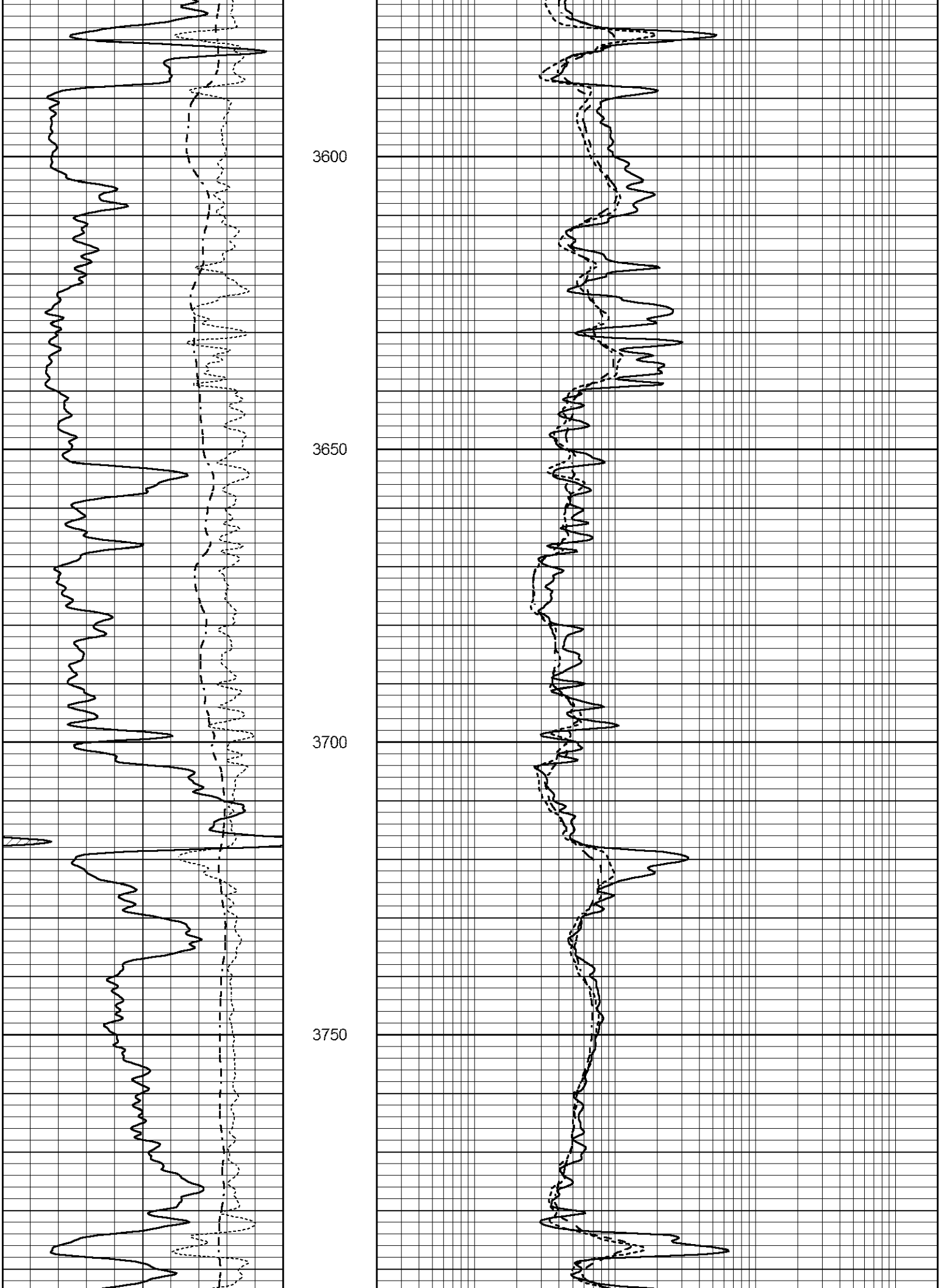
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3650
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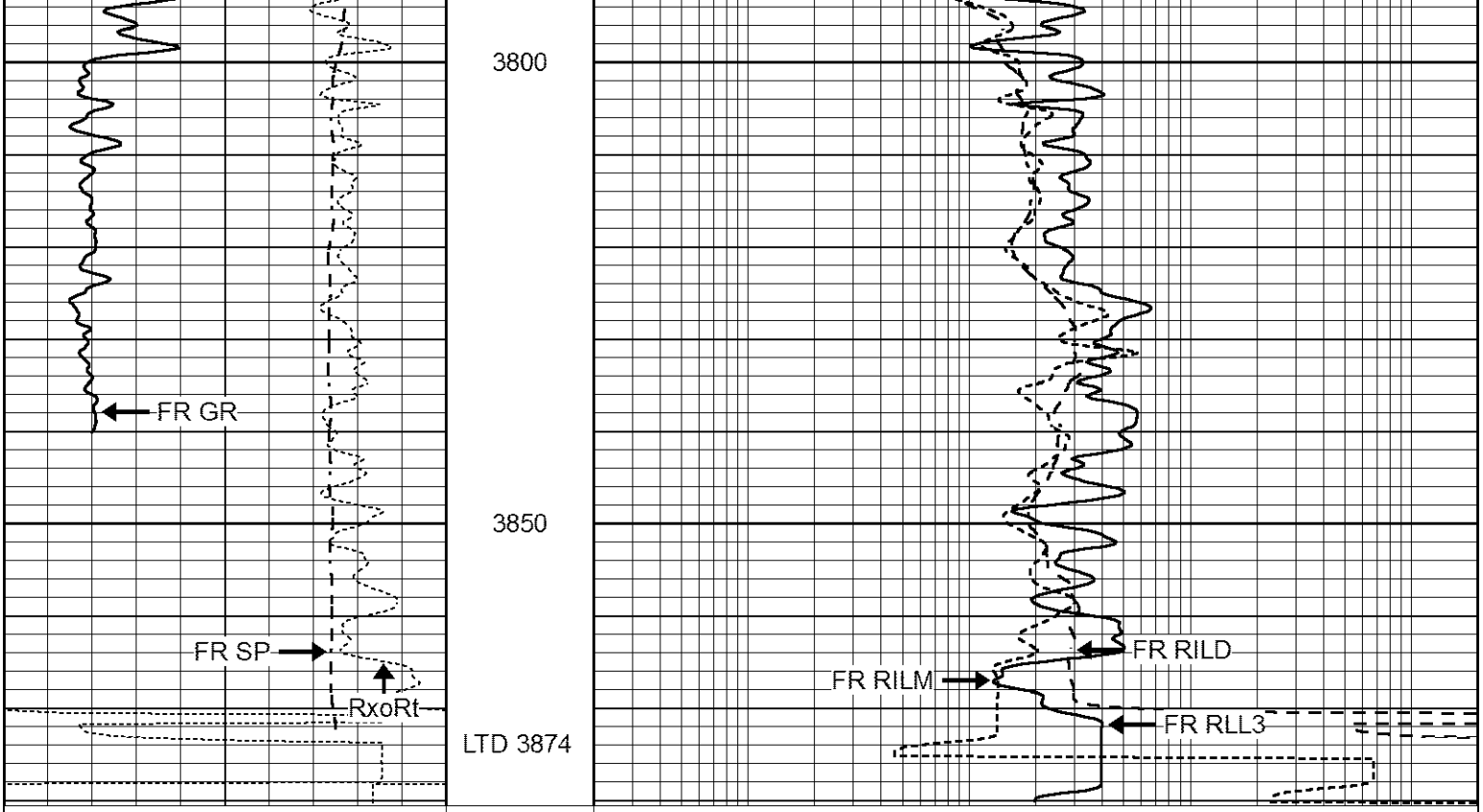


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

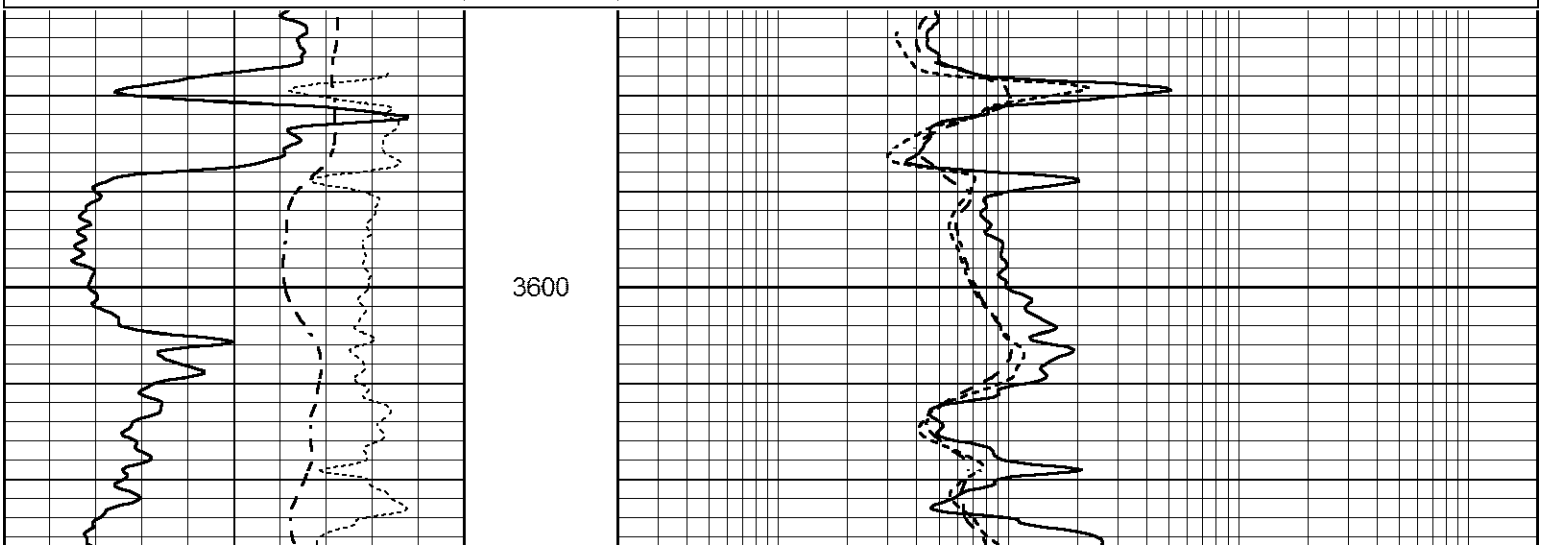
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

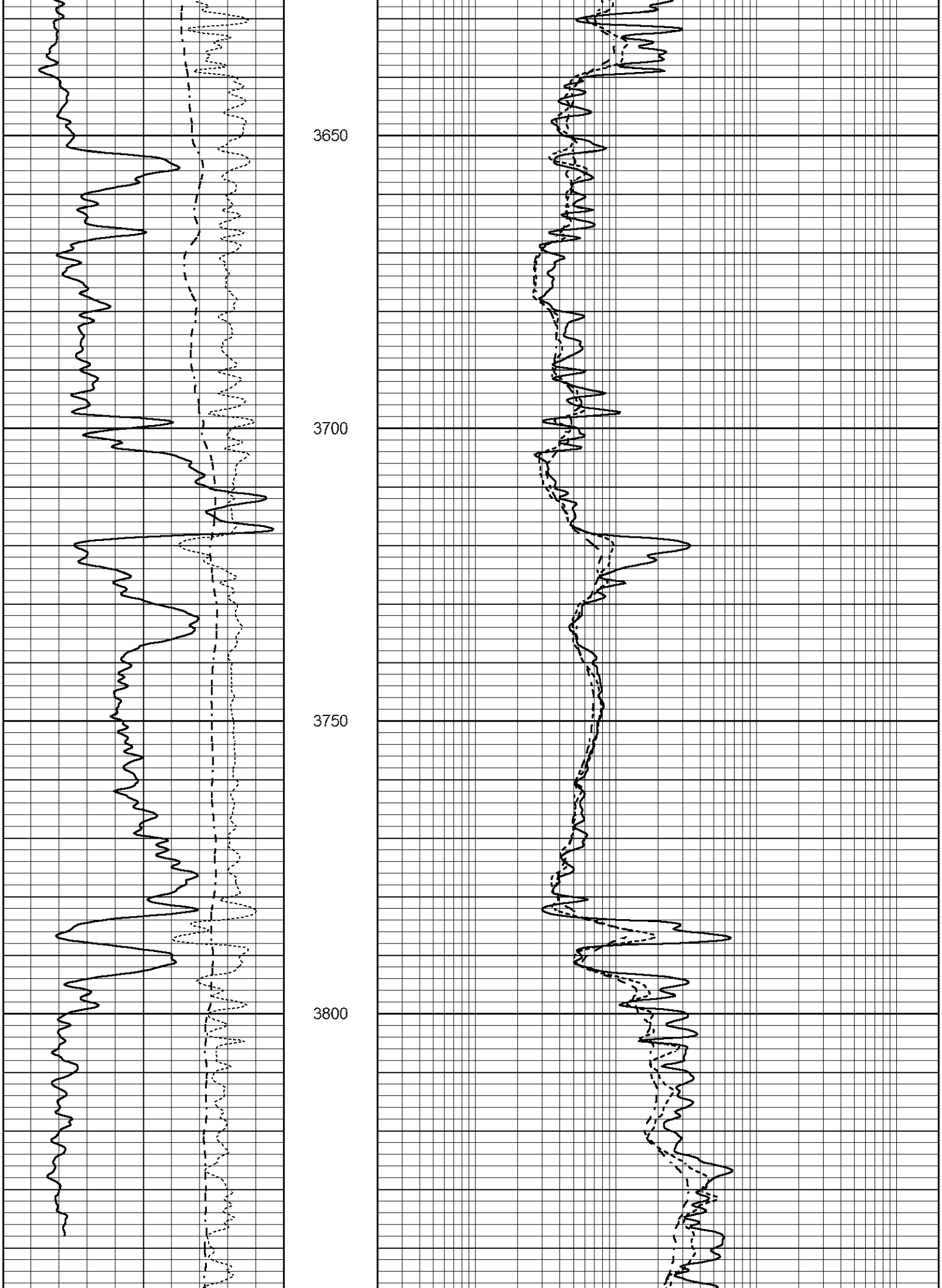
REPEAT SECTION

Database File	1566pe8.db
Dataset Pathname	pass2.1
Presentation Format	_dil
Dataset Creation	Sat Jul 01 06:15:22 2017
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

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3700
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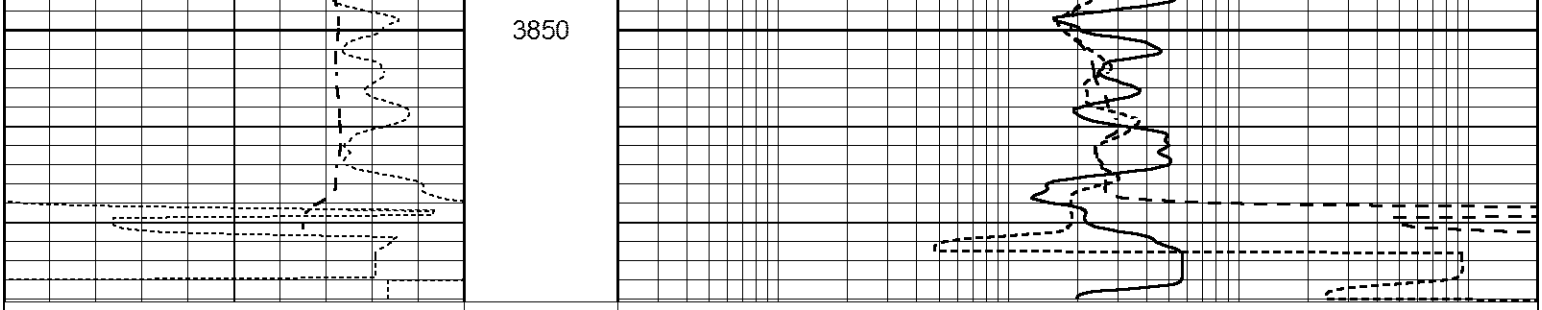

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

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 1566pe8.db
Dataset Pathname pass2.1
Dataset Creation Sat Jul 01 06:15:22 2017

Dual Induction Calibration Report

Serial-Model: FW1410-56-Probe
Surface Cal Performed: Fri Mar 13 14:03:50 2015
Downhole Cal Performed: Fri Mar 13 15:37:29 2015
After Survey Verification Performed: Fri Mar 13 15:37:29 2015

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.765	V	1.000	400.000	mmho/m	527.061	-3.201
Medium	-0.056	0.761	V	1.000	464.000	mmho/m	567.187	32.510
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.005	0.624	V	0.000	400.000	mmho/m	645.611	-3.034
Medium	0.012	0.721	V	0.000	464.000	mmho/m	653.591	-7.532

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.647	301.329	mmho/m	-0.780	336.378	mmho/m	1.117	-0.058
Medium	38.256	411.013	mmho/m	39.046	441.706	mmho/m	1.080	-2.280
LL3		7.471	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.085	V		6000.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.647	301.329	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	38.256	411.013	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: 140704
Model: V4_10P
Source Number: 74GBq-19

Master Calibration — Performed: Wed Feb 11 18:53:41 2015

	Background	Aluminum	Magnesium	
Window 1	613.01	6027.40	27508.60	cps
Window 2	48.21	1424.77	7132.66	cps
Window 4	266.48	1373.19	5767.15	cps
Window 5	622.07	10090.30	18937.90	cps
Window 6	49.07	1682.84	3271.18	cps
Window 8	298.04	3248.38	5980.58	cps
Bulk Density	-	2.6020	1.6830	g/cc
Pe	-	3.0000	2.5070	b/e

LS Alpha: : -1.8451 SS Alpha: : -0.7542 LS CPE: : 1.0882
LS Beta: : 138648.8473 SS Beta: : 21960.9250 SS CPE: : 1.5181

Before Survey Backround Counts Verification — Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification — Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration — Performed: Wed Feb 11 18:53:41 2015

Results Readings		References (in)			
Low	High	Low	High	Gain	Offset
1107.5	7124.1	8.0	15.0	0.0	6.5

Before Survey Caliper Verification — Performed:

	Reference	Reading
Caliper (in)		

After Survey Caliper Verification — Performed:

	Reference	Reading
Caliper (in)		

Compensated Neutron Calibration Report

Serial Number: 080621PMC
Tool Model: NABORS

PRE-SURVEY VERIFICATION

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

POST-SURVEY VERIFICATION

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

Gamma Ray Calibration Report

Serial Number:	070558	
Tool Model:	Probe1	
Performed:	Mon May 22 14:24:46 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps