Company	L.D. DRILLING, INC.
Well	EUGENE #2-4
Field	OLMITZ WEST
County	BARTON
State	KANSAS

DUAL INDUCTION LOG

Company	L.D. DRILLING, INC.
Well	EUGENE #2-4
Field	OLMITZ WEST
County	BARTON State KANSAS

Location: API #: 15-009-26198-0000

3055' FSL & 2310' FEL

SEC 4 TWP 18S RGE 15W

Other Services: DIL/ML

Permanent Datum: GROUND LEVEL Elevation 1981

Log Measured From: KELLY BUSHING 5' A.G.L

Drilling Measured From: KELLY BUSHING

Elevation: K.B. 1986, D.F. 1984, G.L. 1981

Date	3/25/18		
Run Number	ONE		
Depth Driller	3670		
Depth Logger	3671		
Bottom Logged Interval	3669		
Top Log Interval	50		
Casing Driller	8 5/8" @ 1008		
Casing Logger	1008		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10000 PPM	
Density / Viscosity	9.1/68		
pH / Fluid Loss	9.0/12.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.51 @ 86F		
Rmf @ Meas. Temp	.38 @ 86F		
Rmc @ Meas. Temp	.61 @ 86F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.38 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	113F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	KIM SHOEMAKER		

<<< Fold Here >>>

Comments

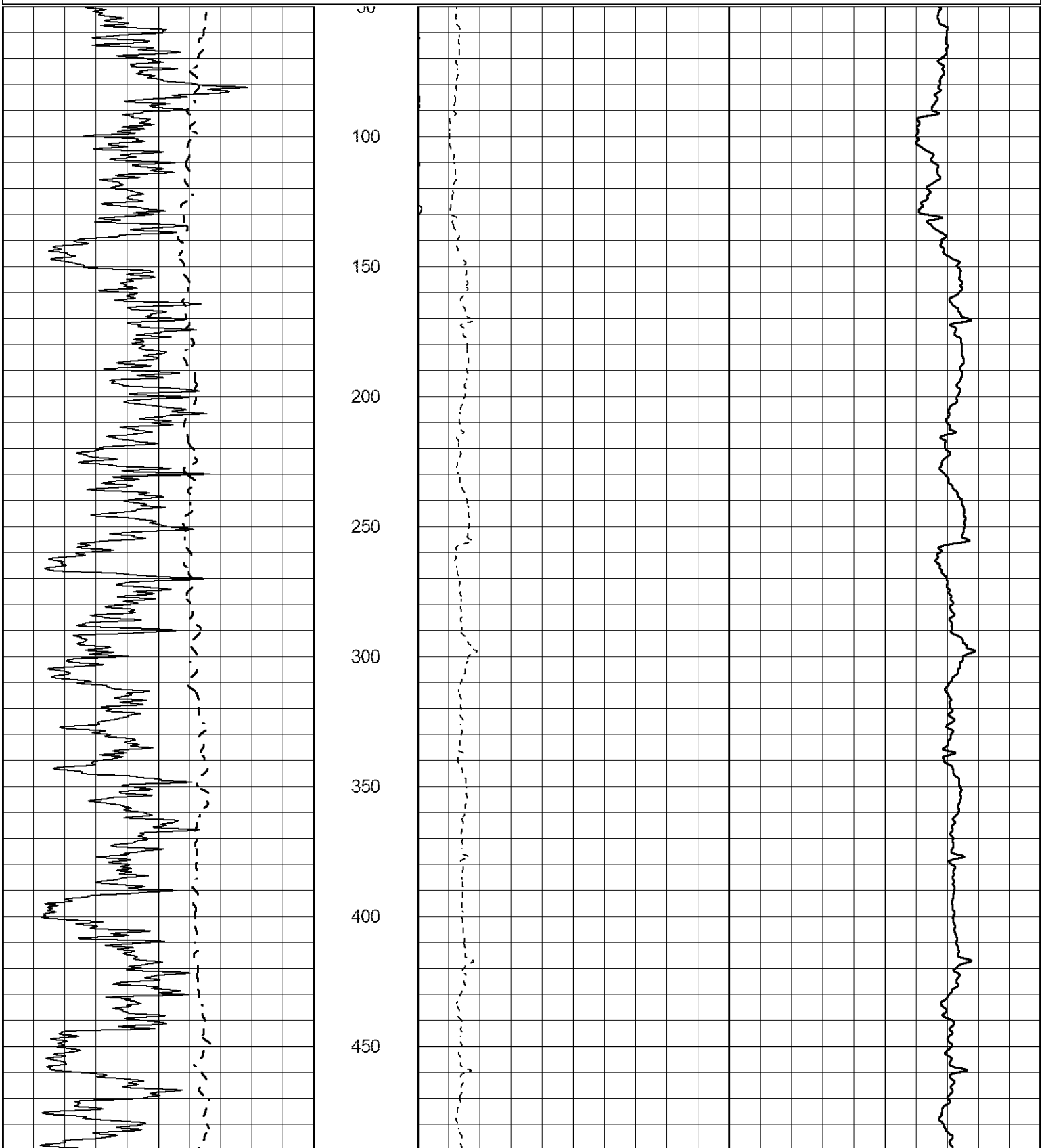
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
HWY 4, 2 MILES WEST OF OLMITZ,
1.5 SOUTH, WEST INTO.

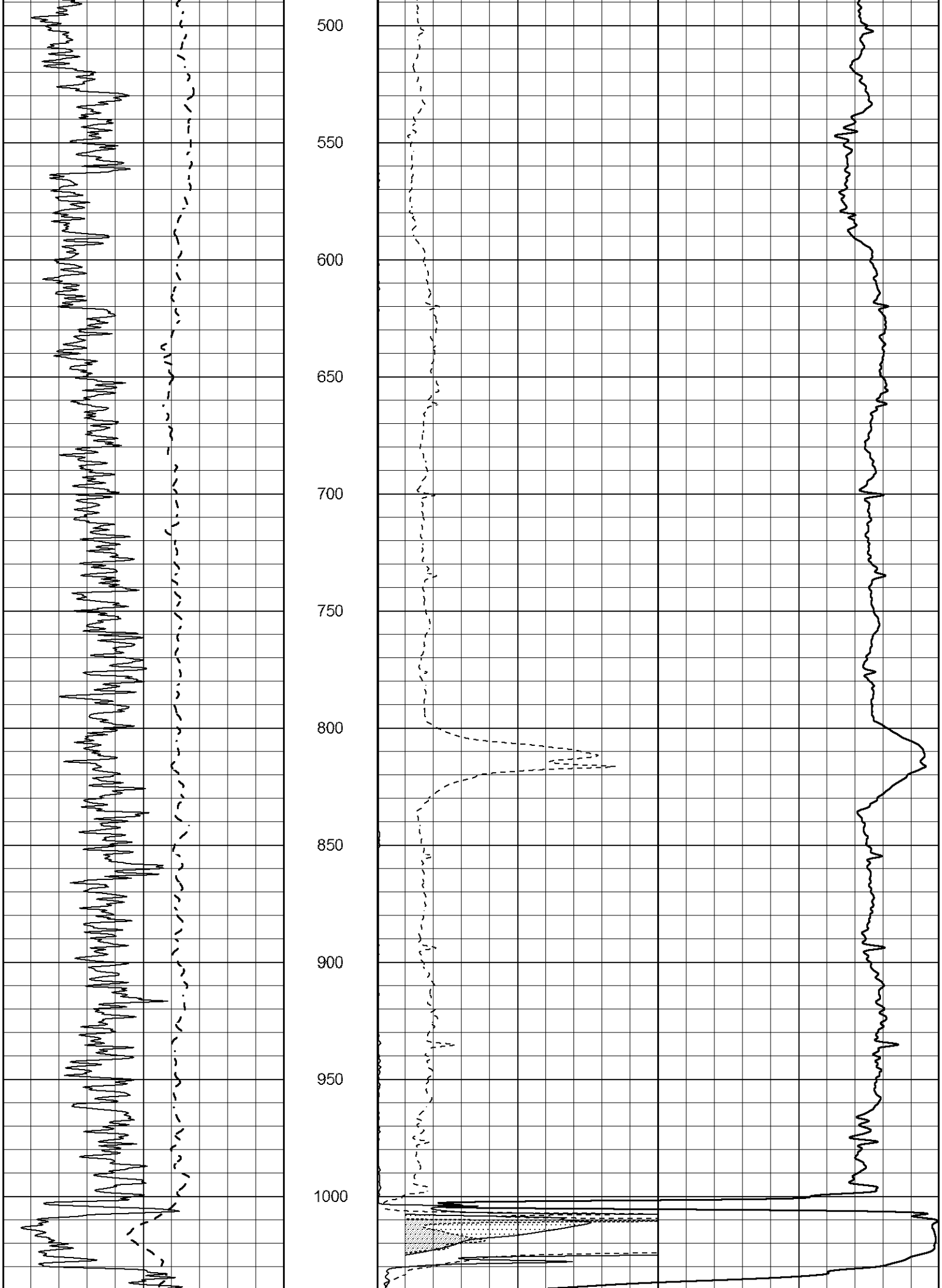
MAIN PASS

Database File	2037ddn8.db
Dataset Pathname	pass3.1
Presentation Format	_dil2
Dataset Creation	Sun Mar 25 15:40:20 2018
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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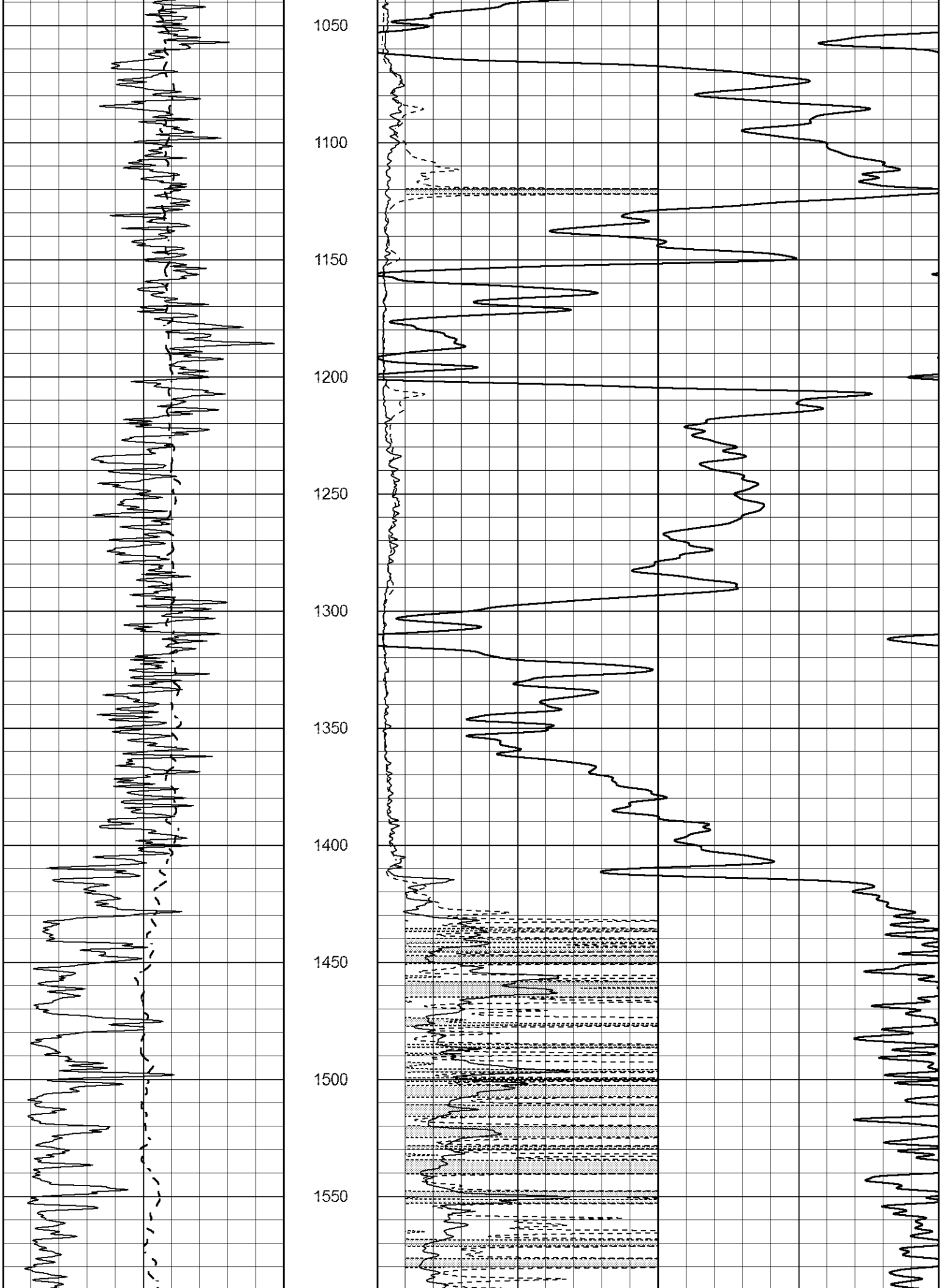
550
600
650
700
750
800
850
900
950
1000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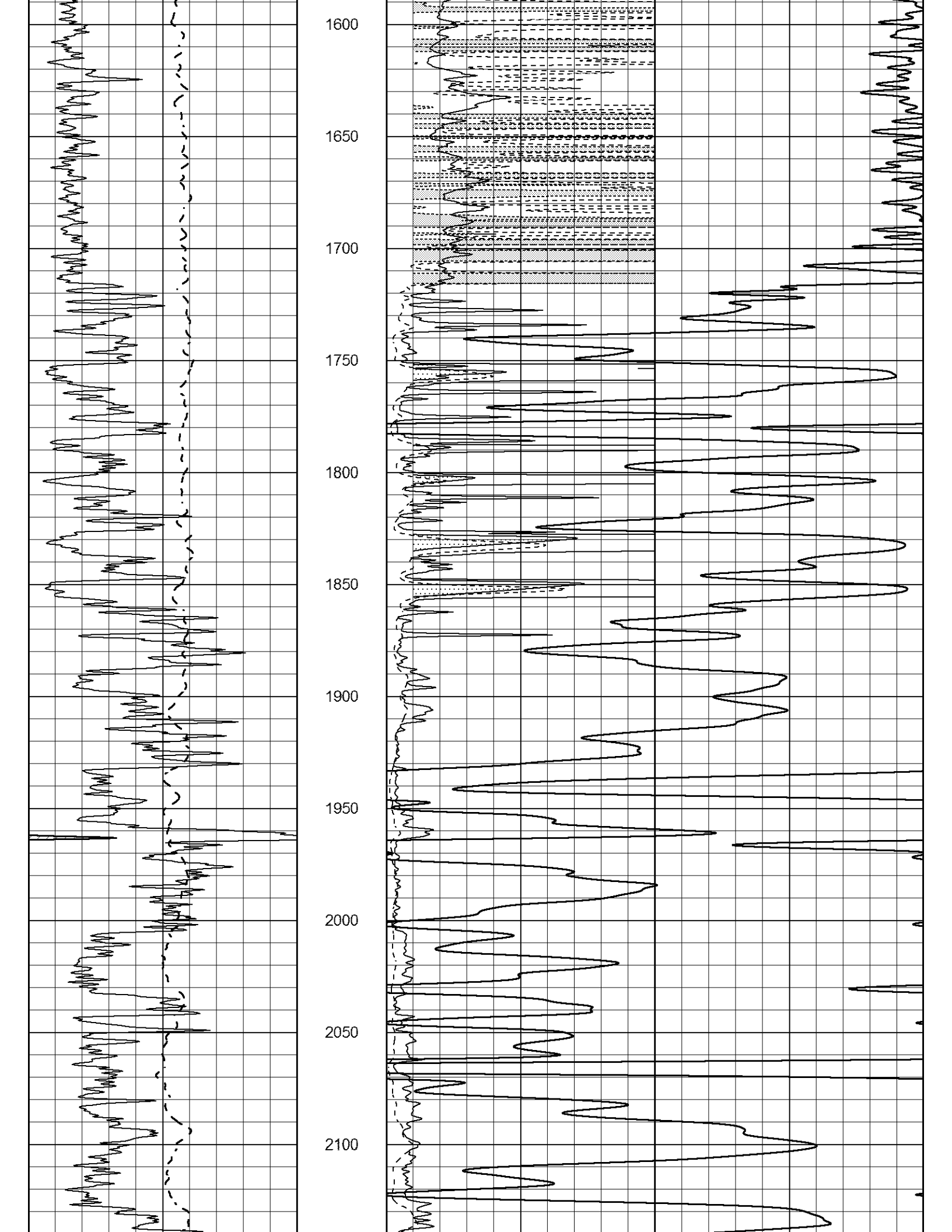
1100
1150
1200
1250
1300
1350
1400
1450
1500
1550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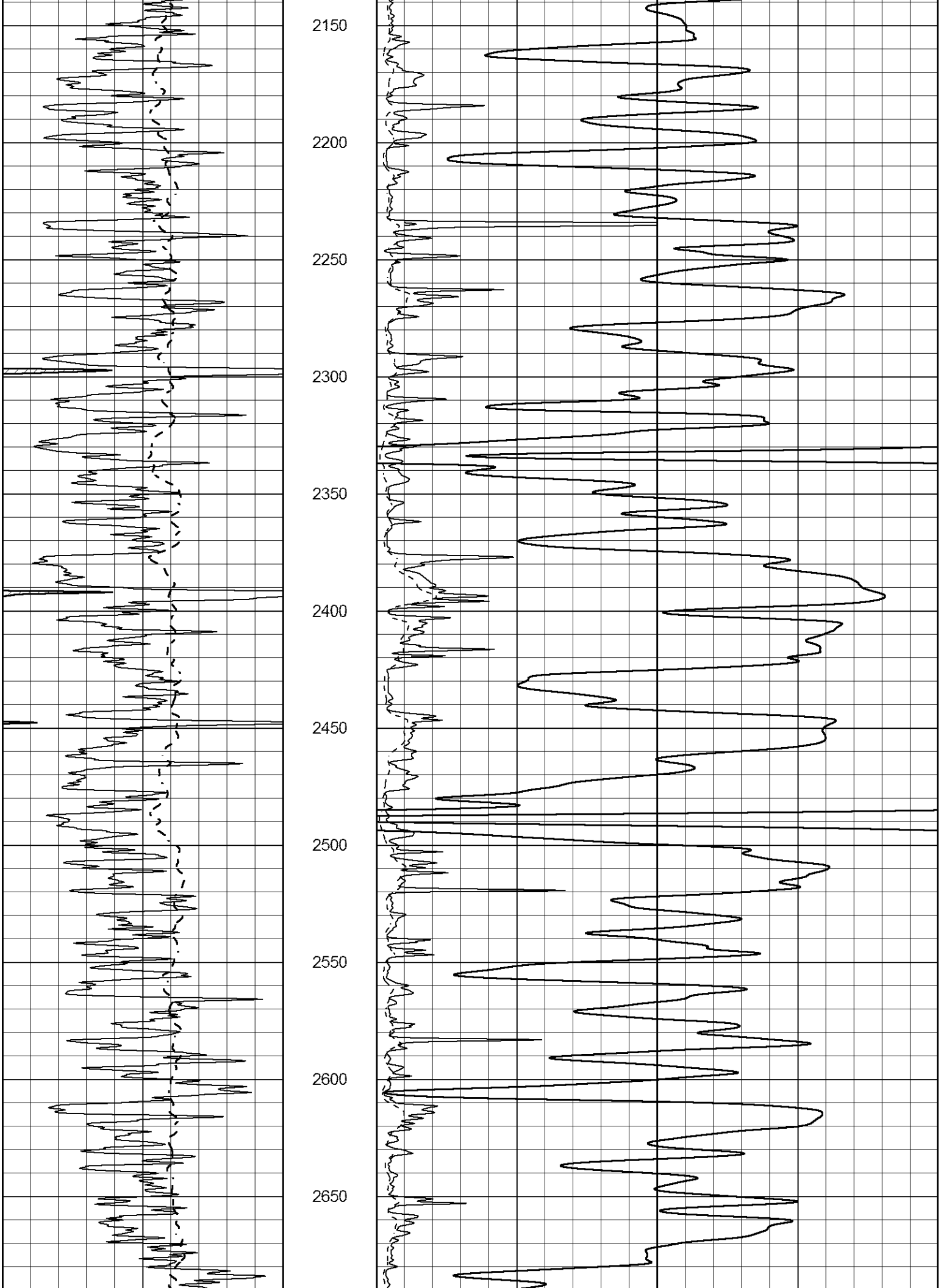
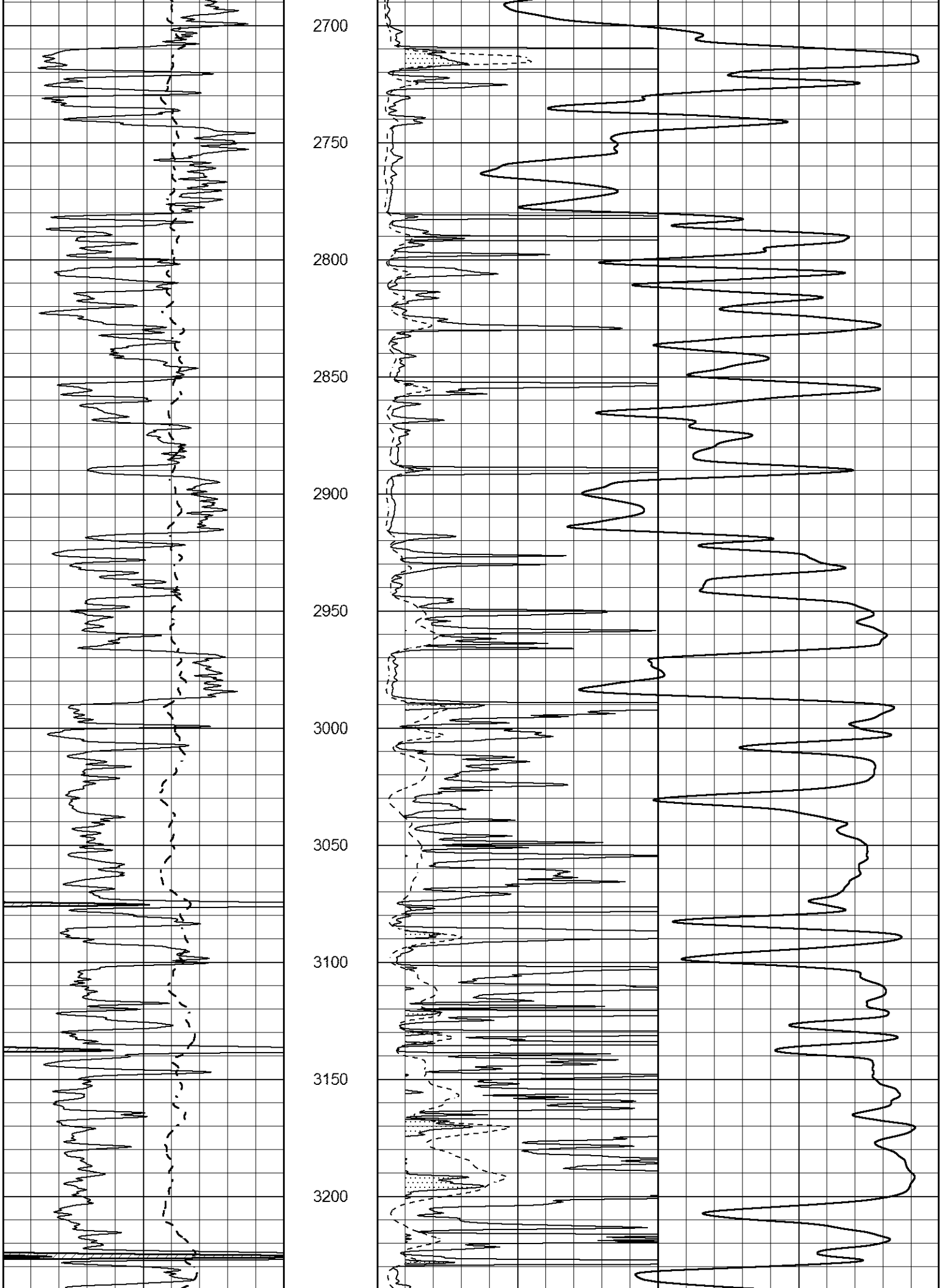
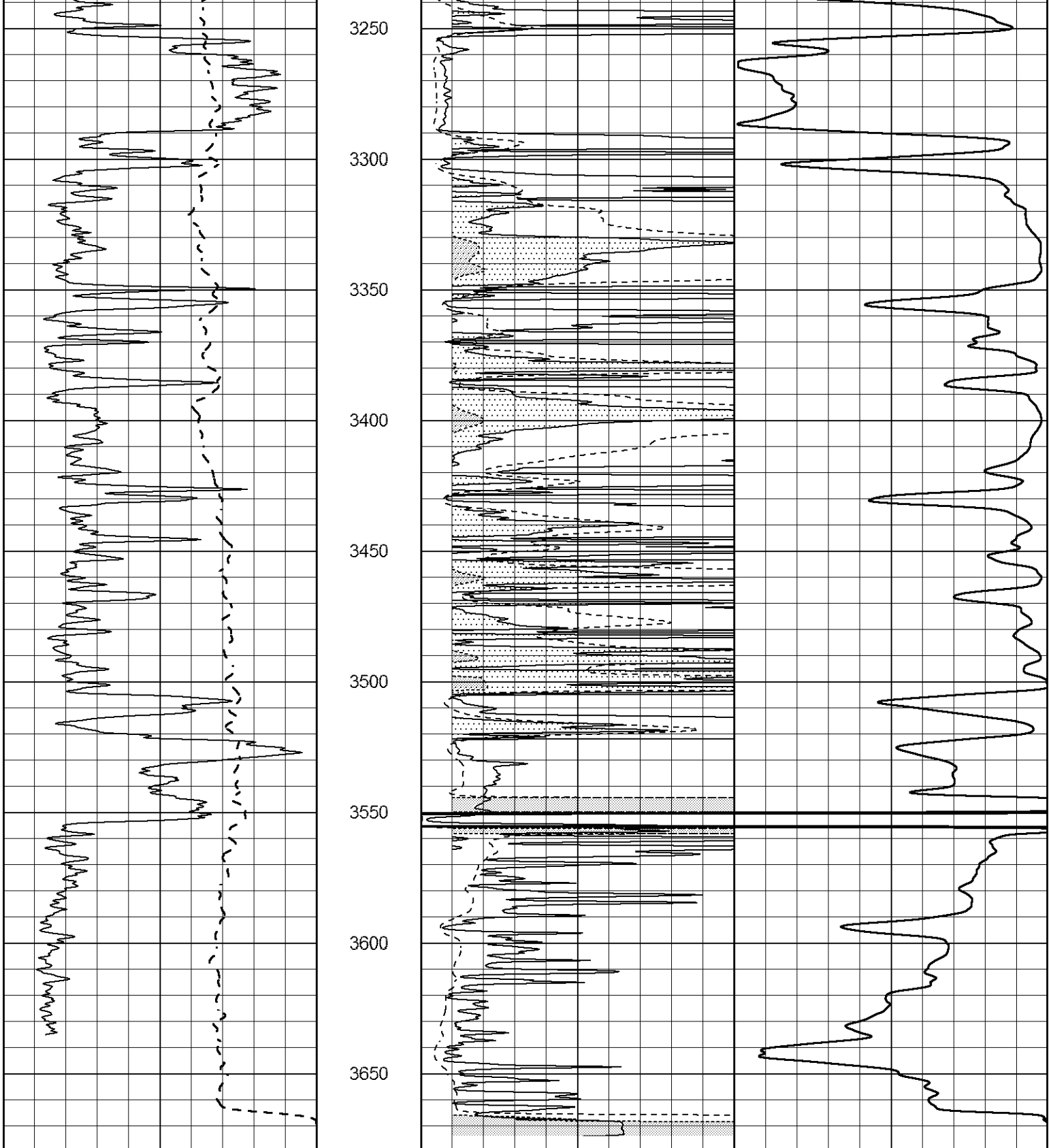
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100


2150
2200
2250
2300
2350
2400
2450
2500
2550
2600
2650

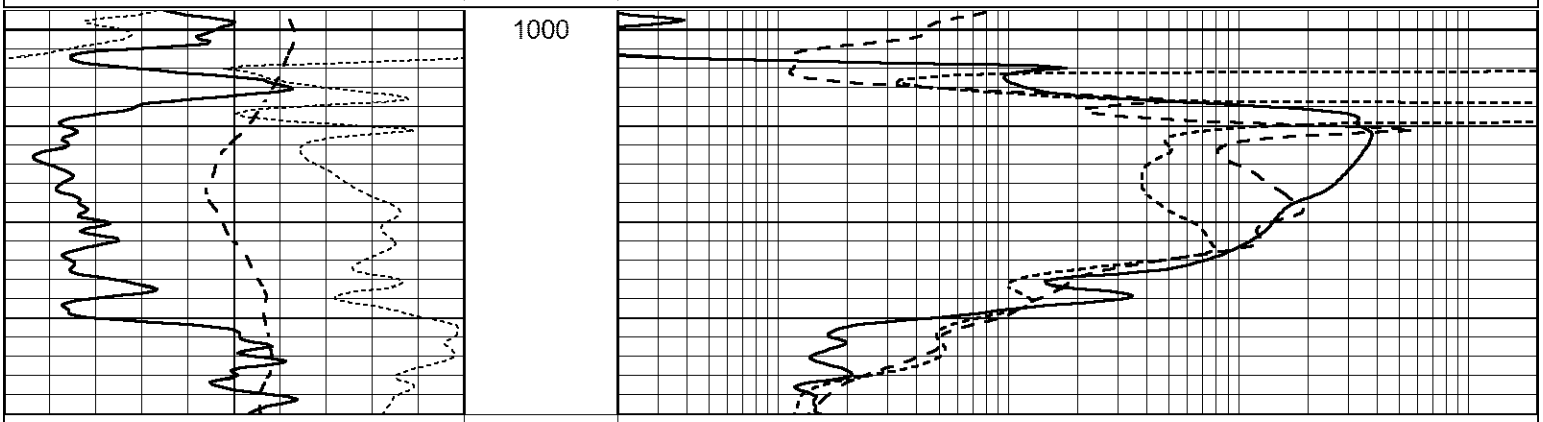

2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200


3250
3300
3350
3400
3450
3500
3550
3600
3650
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

MAIN PASS

Database File	2037ddn8.db
Dataset Pathname	pass3.1
Presentation Format	_dil
Dataset Creation	Sun Mar 25 15:40:20 2018
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000

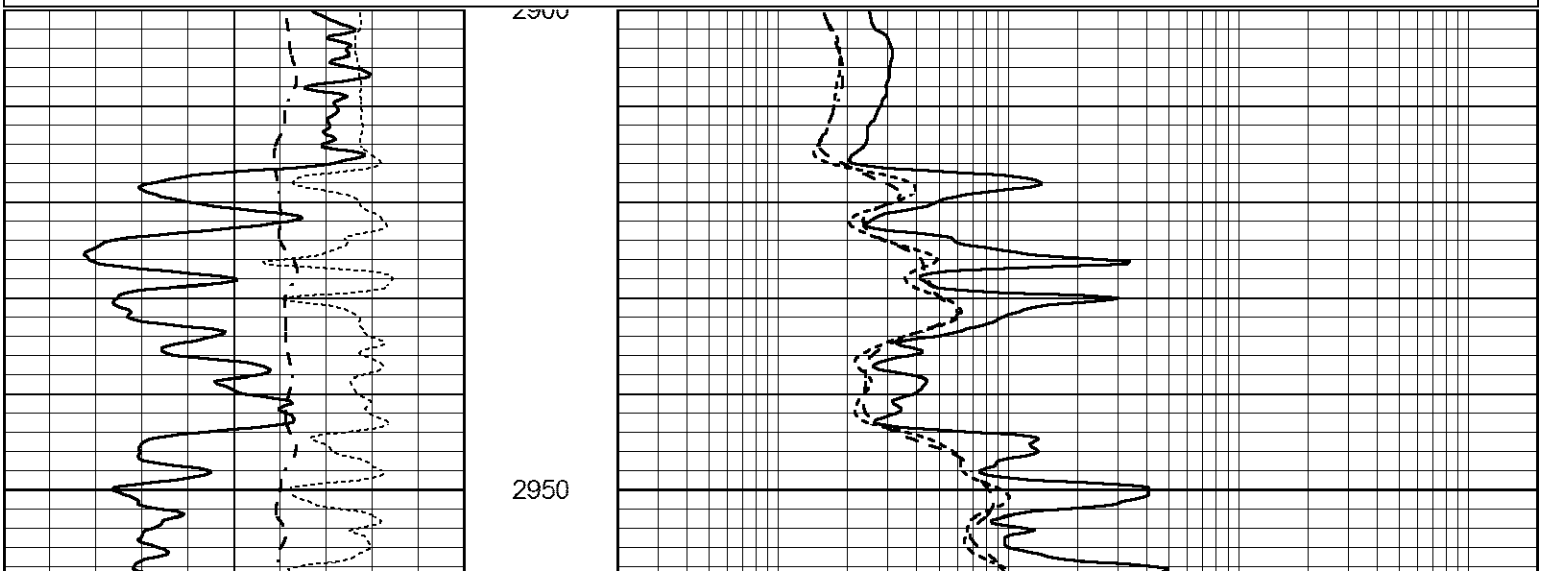


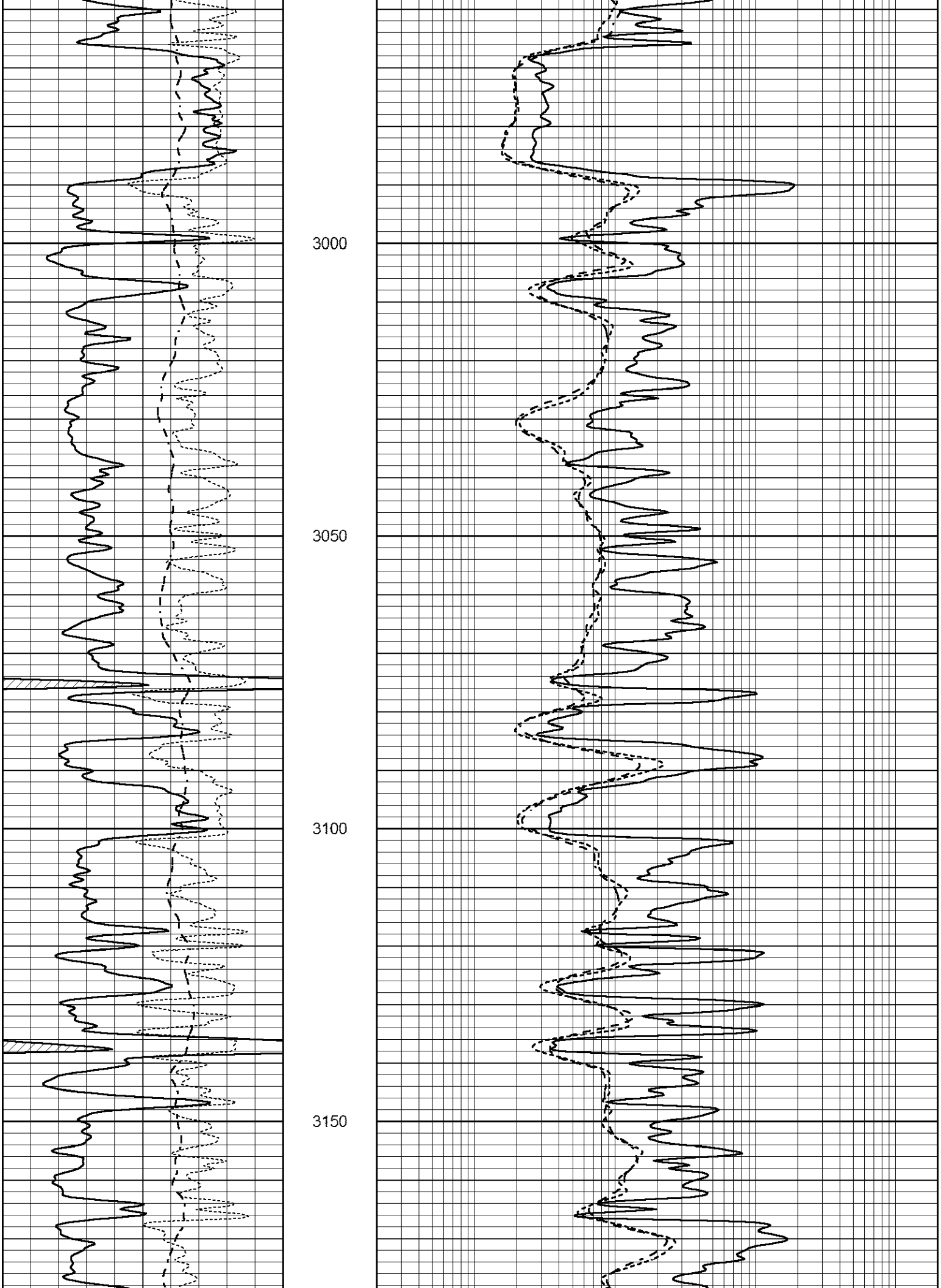
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000

MAIN PASS

Database File	2037ddn8.db
Dataset Pathname	pass3.1
Presentation Format	_dil
Dataset Creation	Sun Mar 25 15:40:20 2018
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000

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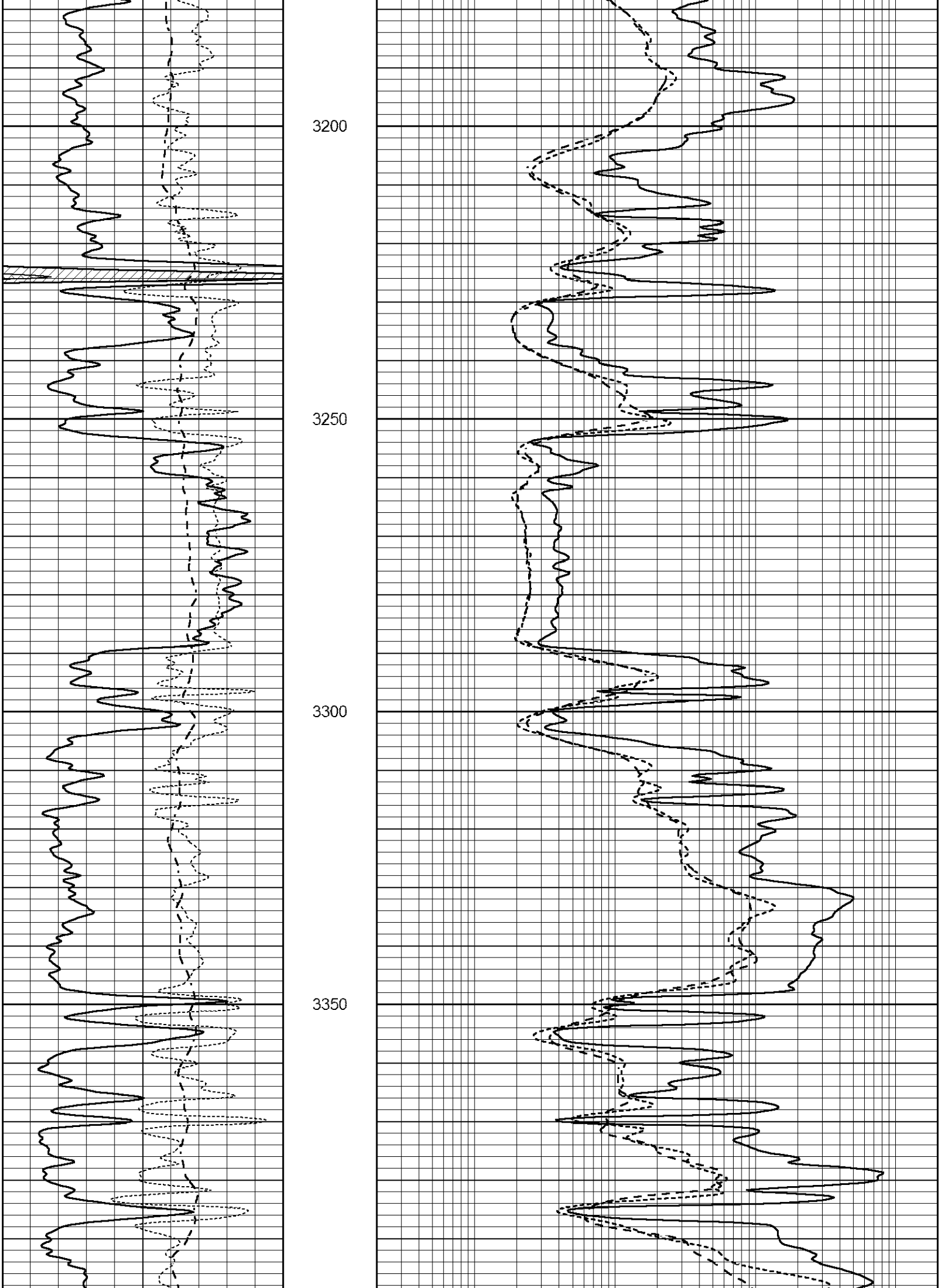
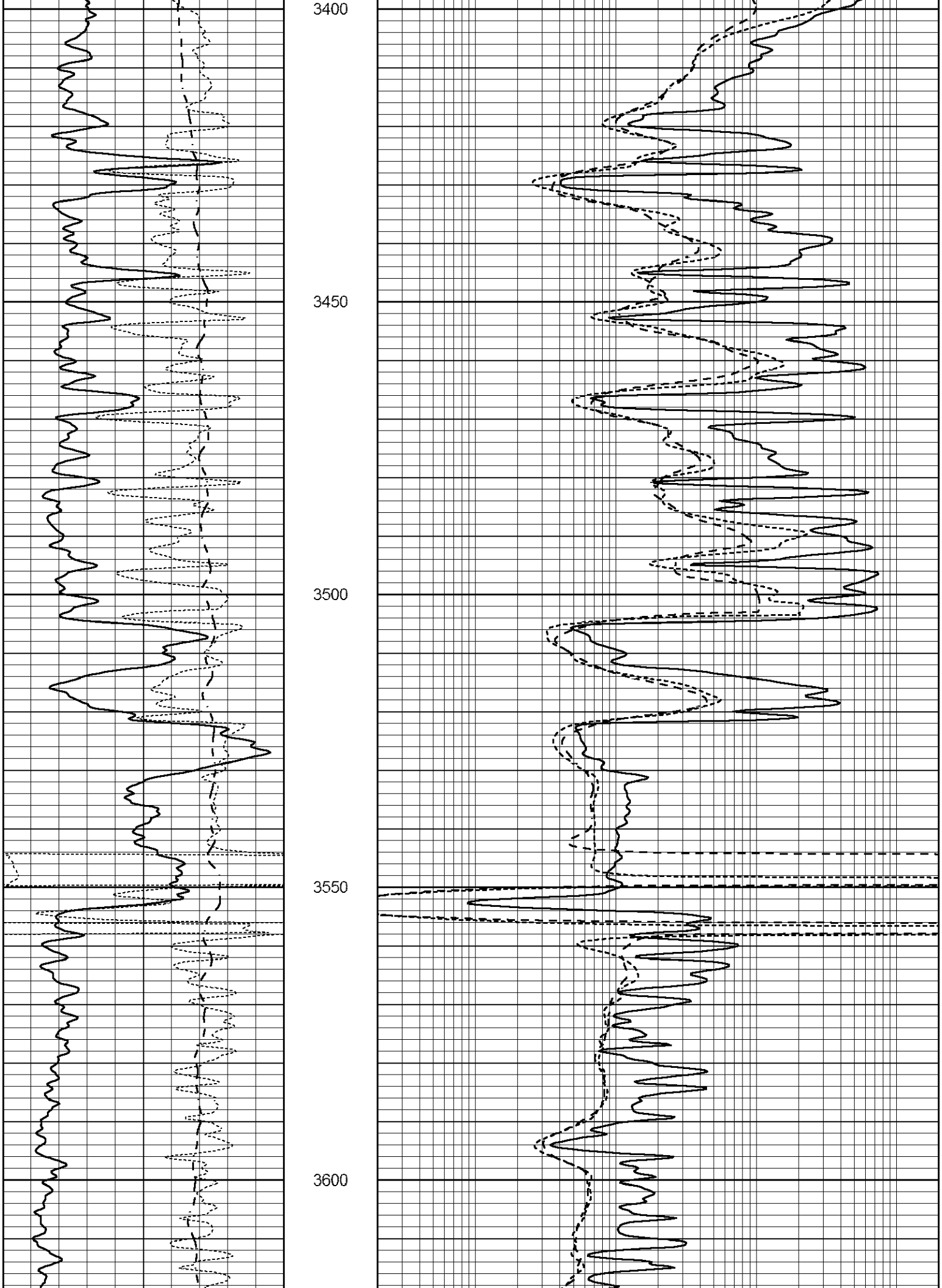
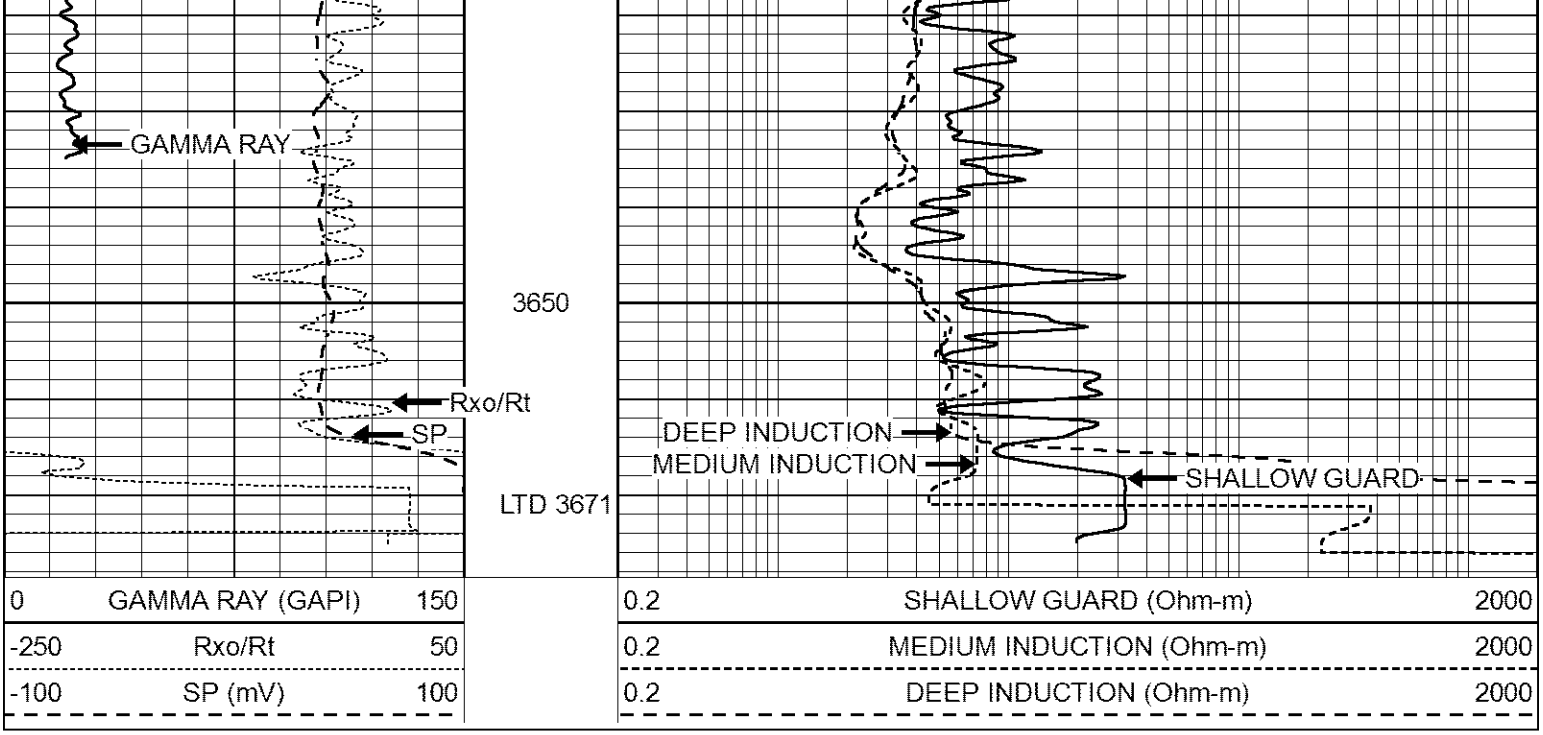
3050
3100
3150


3200
3250
3300
3350


3400
3450
3500
3550
3600



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

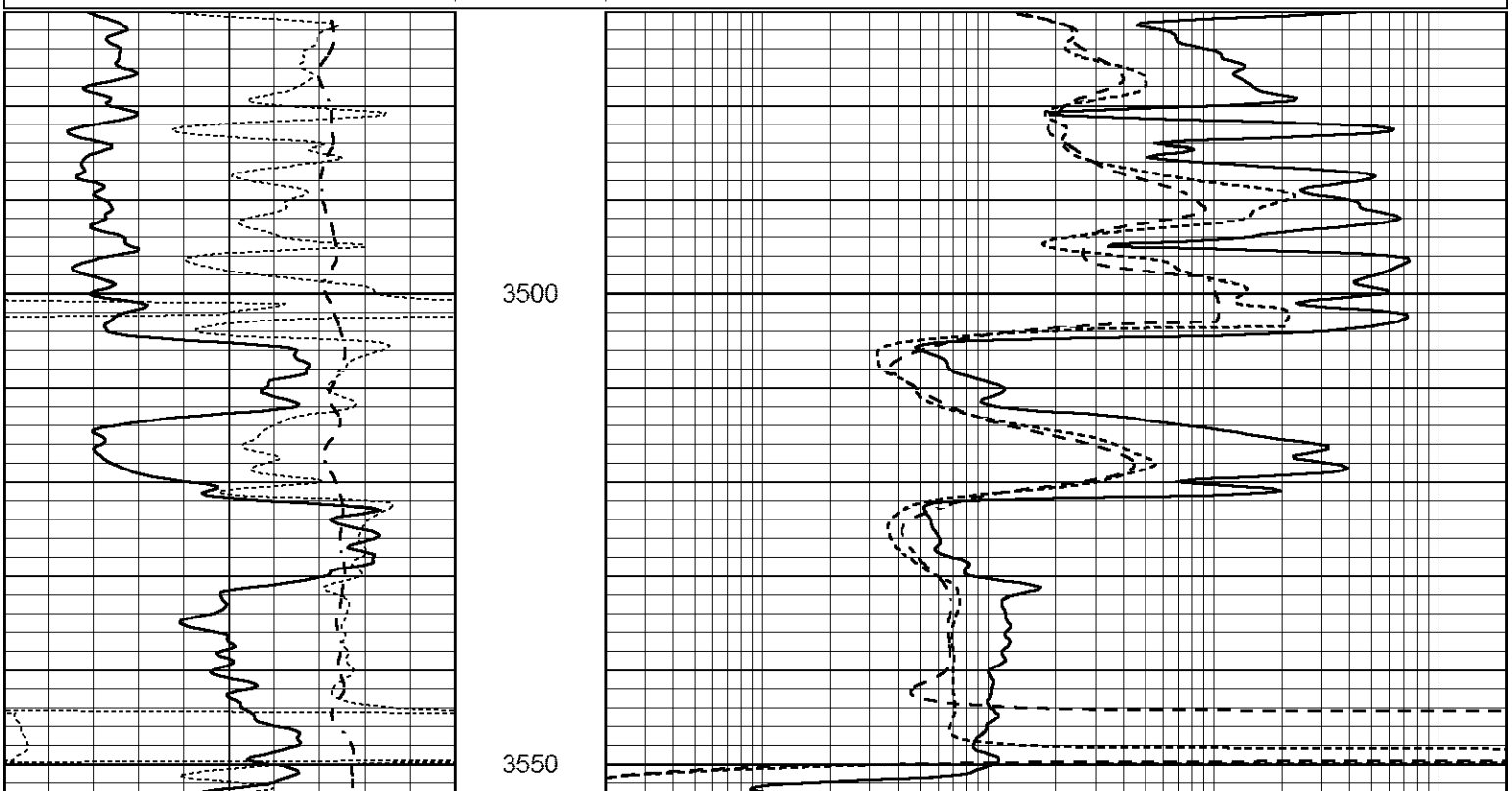
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

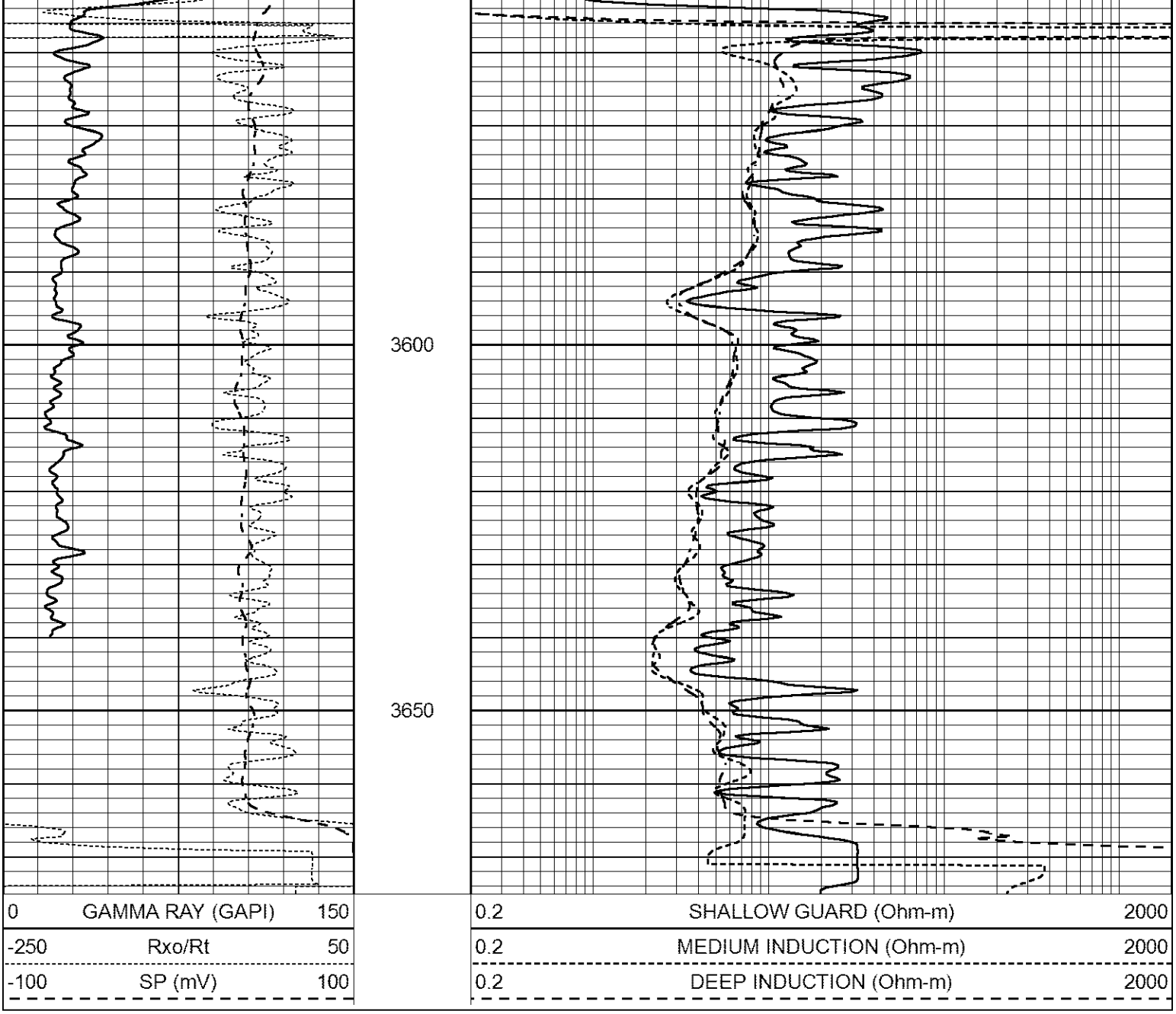
REPEAT SECTION

Database File	2037ddn8.db
Dataset Pathname	pass2.1
Presentation Format	_dil
Dataset Creation	Sun Mar 25 14:51:51 2018
Charted by	Depth in Feet scaled 1:240

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

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
-250	Rxo/Rt	50
-100	SP (mV)	100

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