Company	SHELBY RESOURCES, LLC.
Well	FISHER #1-15
Field	JORDAN
County	STAFFORD
State	KANSAS

SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

DUAL INDUCTION LOG

Company	SHELBY RESOURCES, LLC
Well	FISHER #1-15
Field	JORDAN
County	STAFFORD State KANSAS

Location: API #: 15-185-23645-0000
1724' FNL & 1110' FEL
SW - NW - SE - NE
SEC 15 TWP 25S RGE 14W

Other Services
CDL/CNL/PE
MEL/SON

Permanent Datum GROUND LEVEL Elevation 1965
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1974
D.F. 1972
G.L. 1965

Date	10/27/10		
Run Number	ONE		
Depth Driller	4325		
Depth Logger	4326		
Bottom Logged Interval	4324		
Top Log Interval	0		
Casing Driller	8 5/8"@920'		
Casing Logger	920'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7000 PPM	
Density / Viscosity	9.1/50		
pH / Fluid Loss	10.0/10.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.80 @ 70F		
Rmf @ Meas. Temp	0.60 @ 70F		
Rmc @ Meas. Temp	0.96 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.47 @ 119F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	119F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEWEG		
Witnessed By	SEAN DEENIHAN		

<<< Fold Here >>>

Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
INTERSECTION OF HWY 281 & 50 - 5 MILES WEST TO RD SW 150
4 1/2 MILES SOUTH - WEST INTO

Database File:	006000ddn.db
Dataset Pathname:	pass3.2
Presentation Format:	dil2
Dataset Creation:	Wed Oct 27 10:38:54 2010 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:600

0 Gamma Ray (GAPI) 150

-100 SP (mV) 100

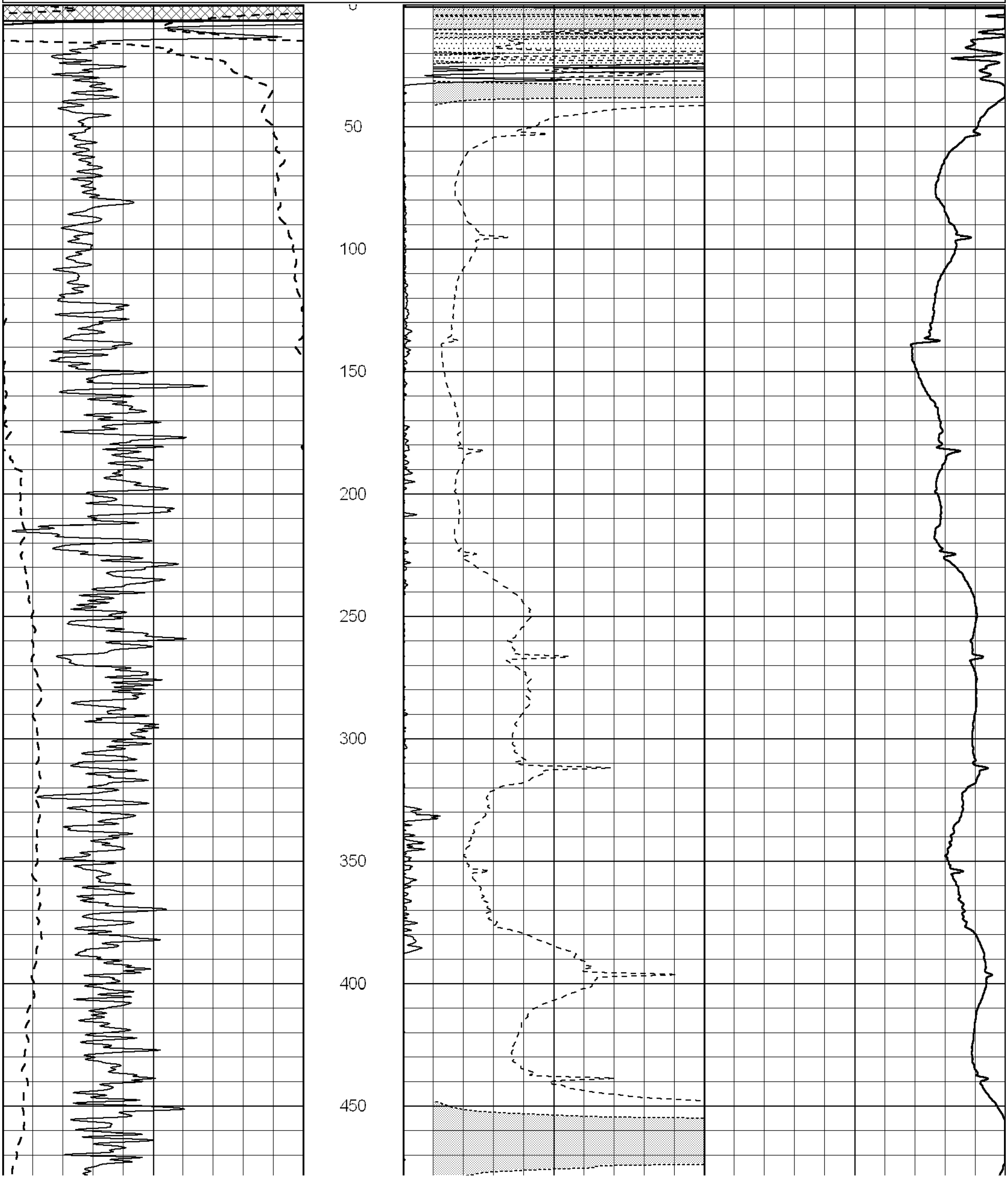
0 RLL3 (Ohm-m) 50

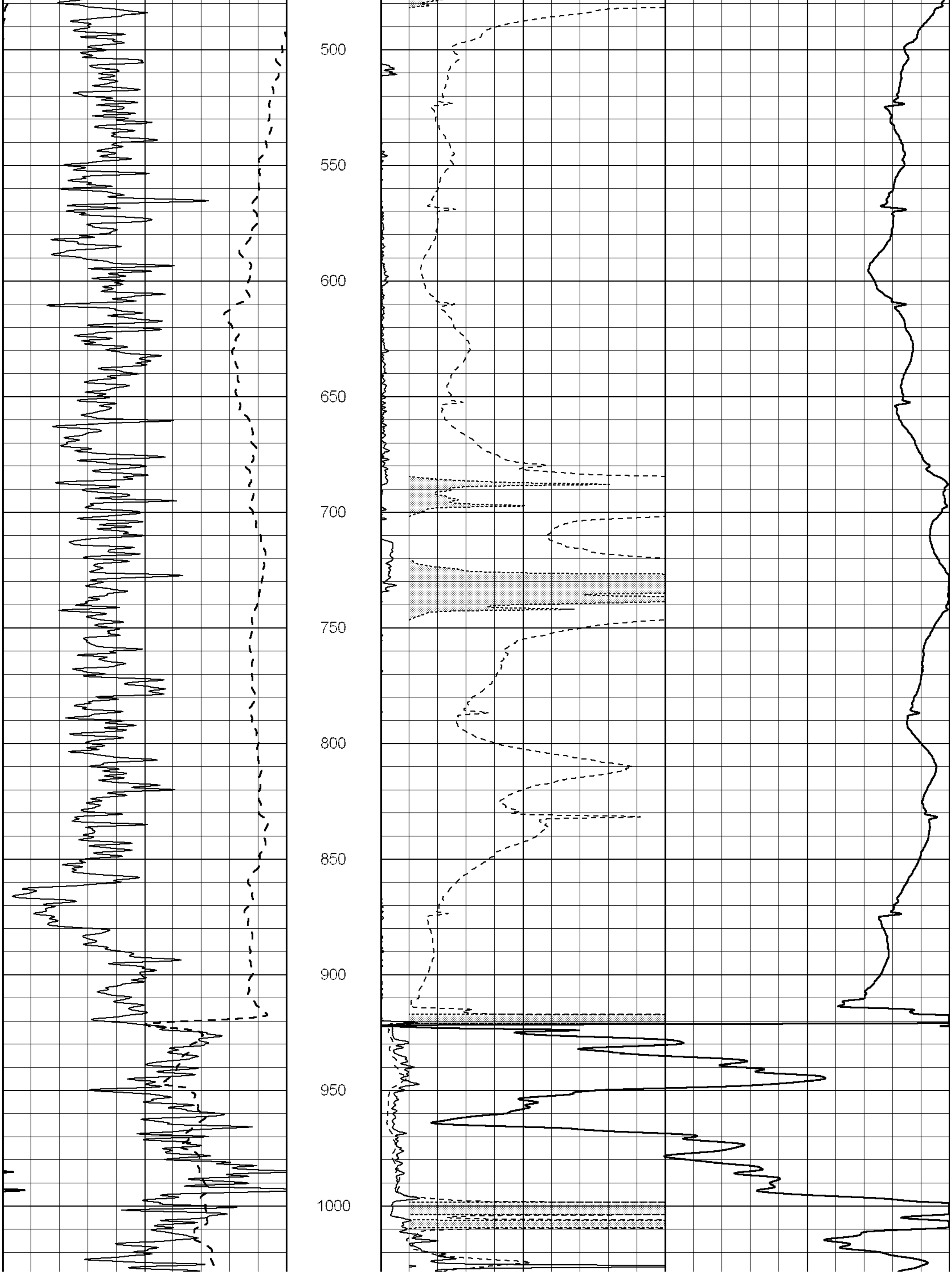
0 RILD (Ohm-m) 50

1000 CILD (mmho/m) 0

50 RILD X10 (Ohm-m) 500

50 RLL3 X10 (Ohm-m) 500

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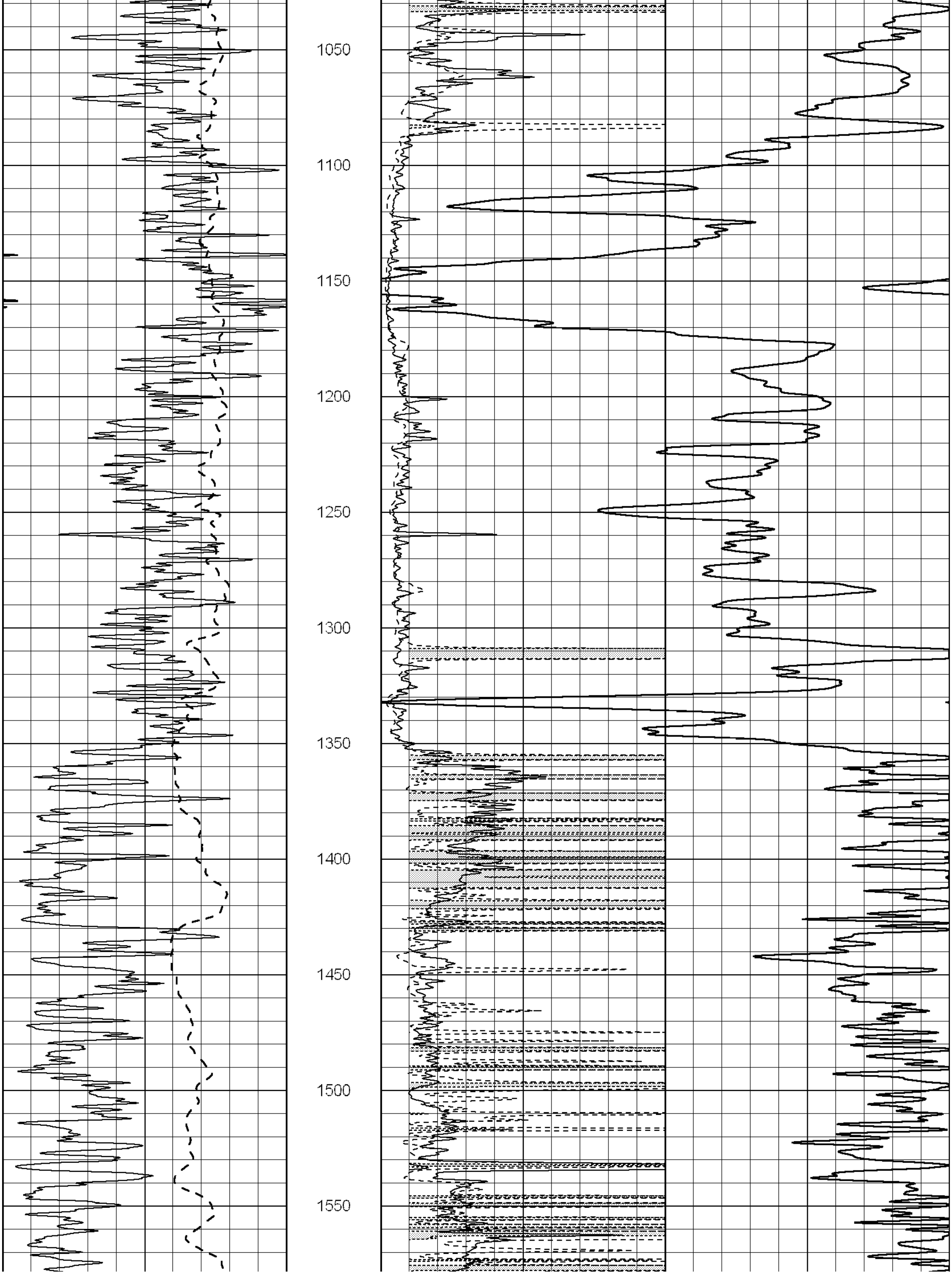
600
650
700
750
800
850
900
950
1000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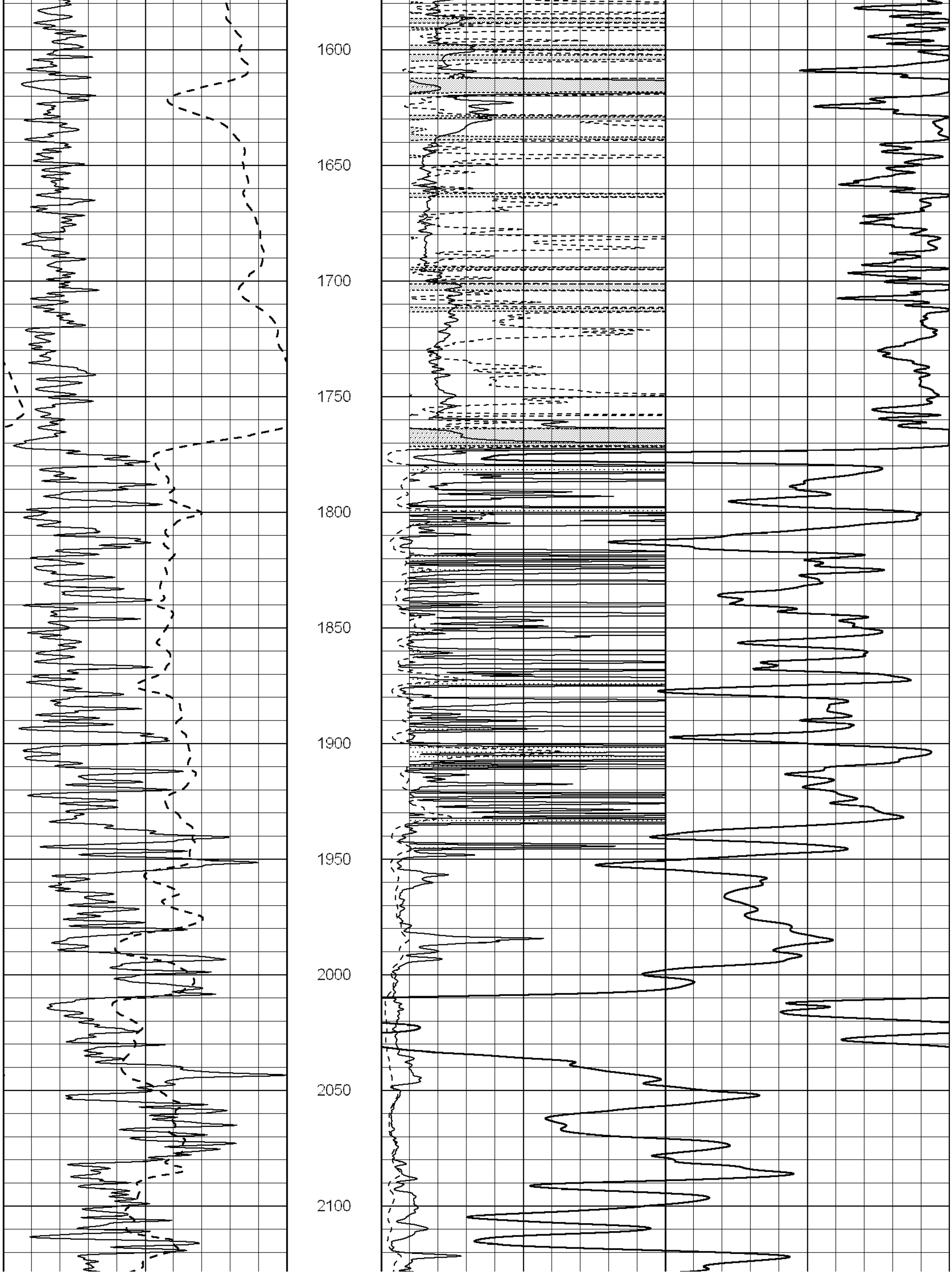
1100
1150
1200
1250
1300
1350
1400
1450
1500
1550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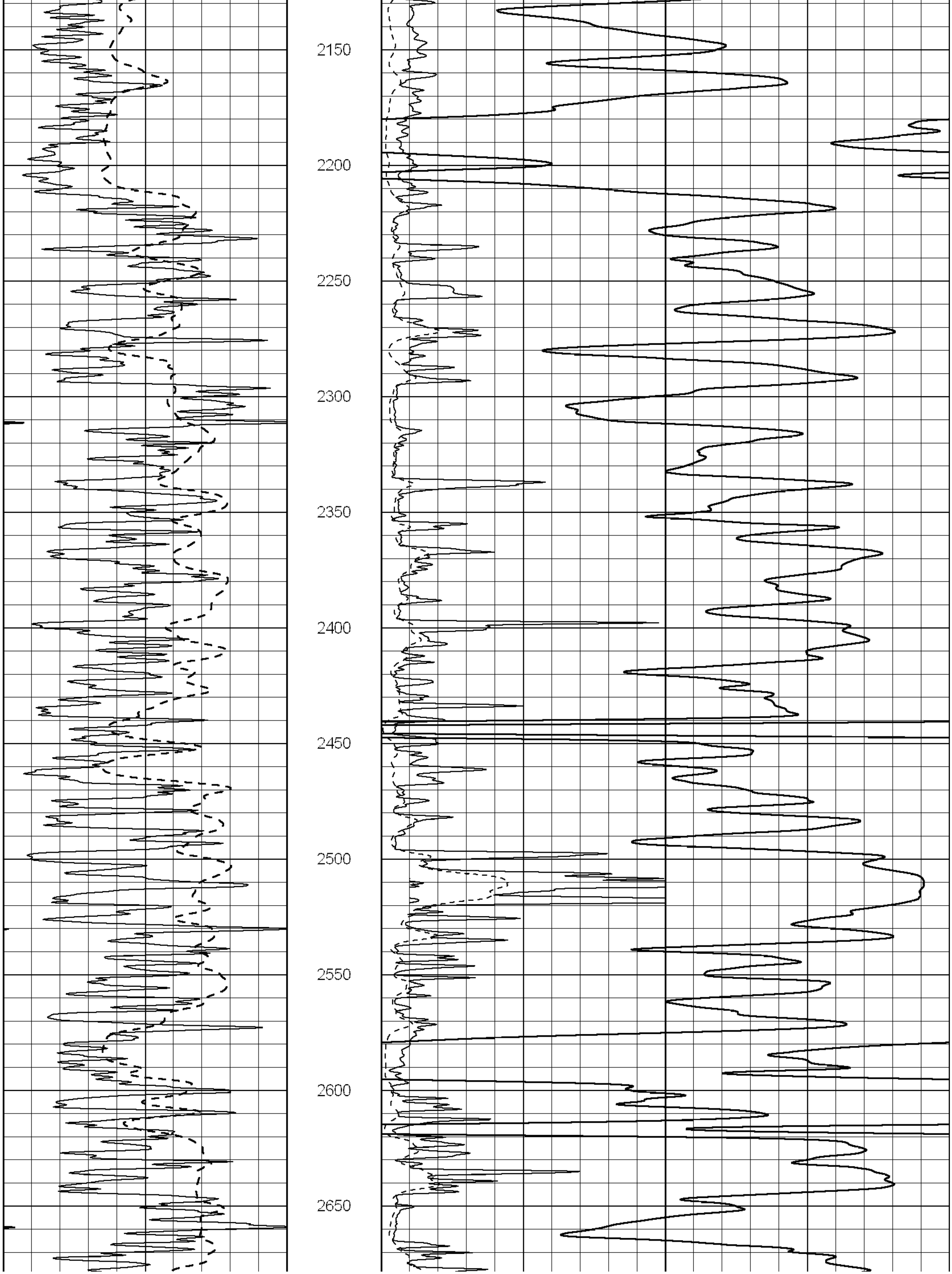
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100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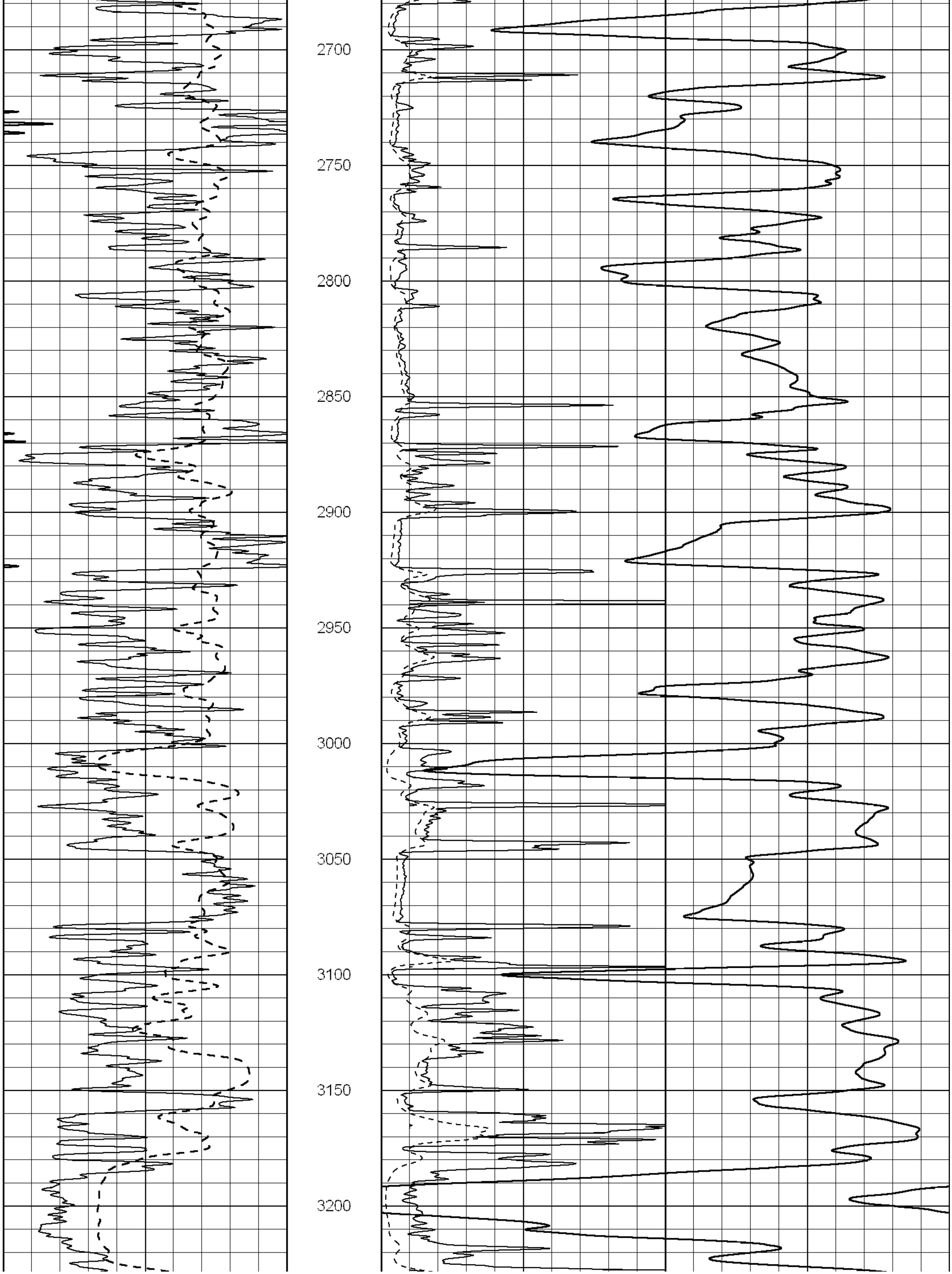
2200
2250
2300
2350
2400
2450
2500
2550
2600
2650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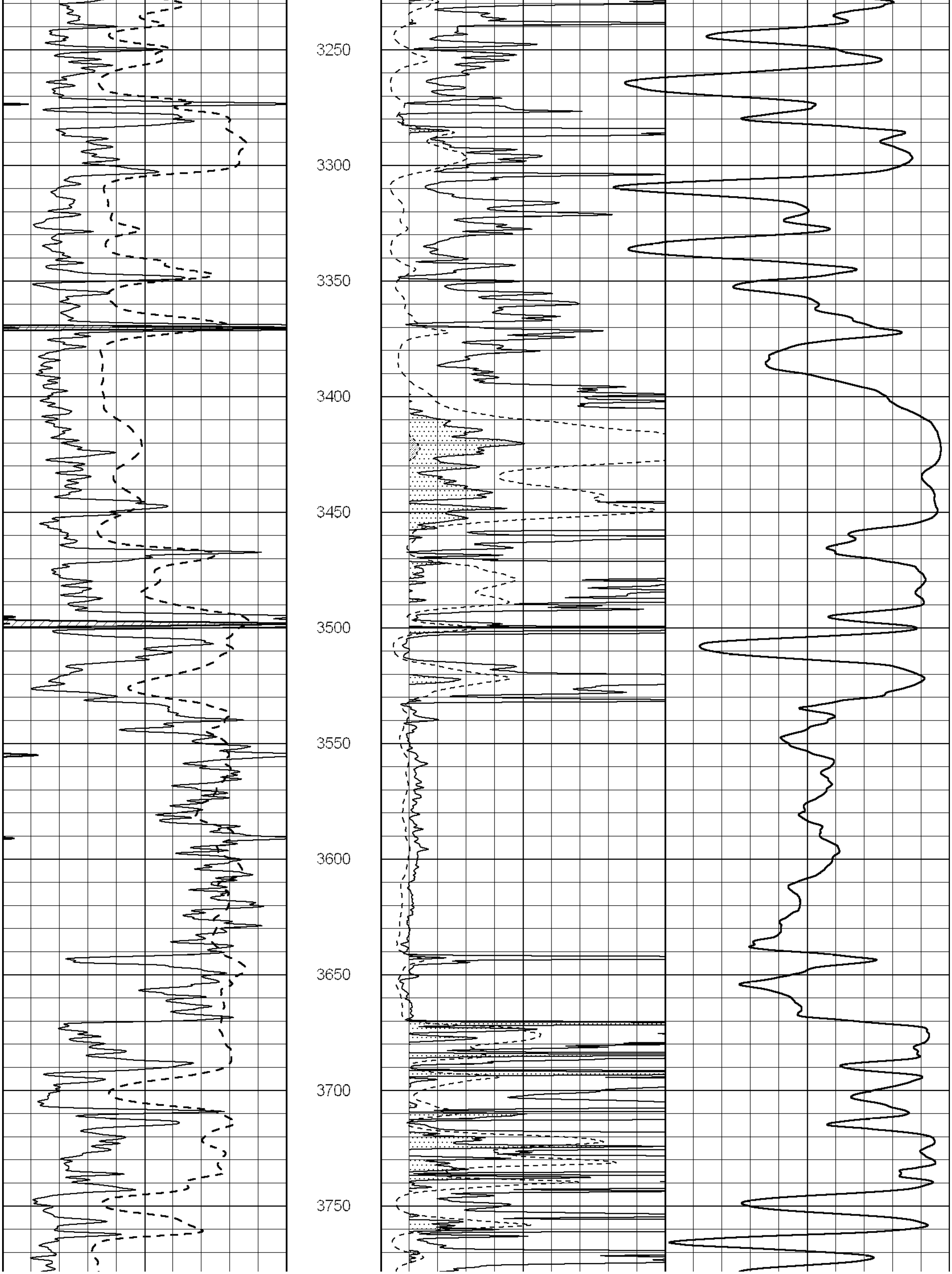
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200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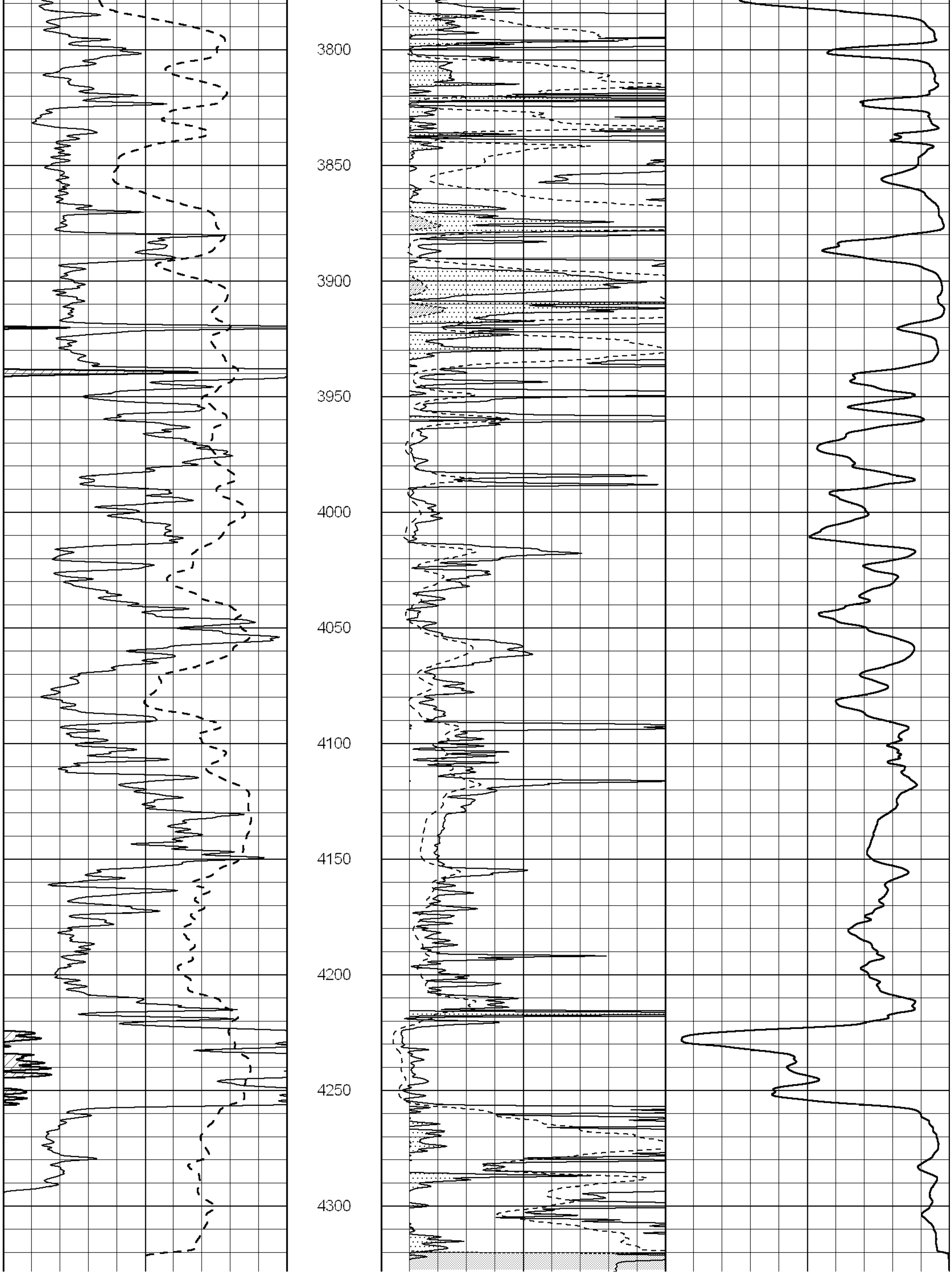
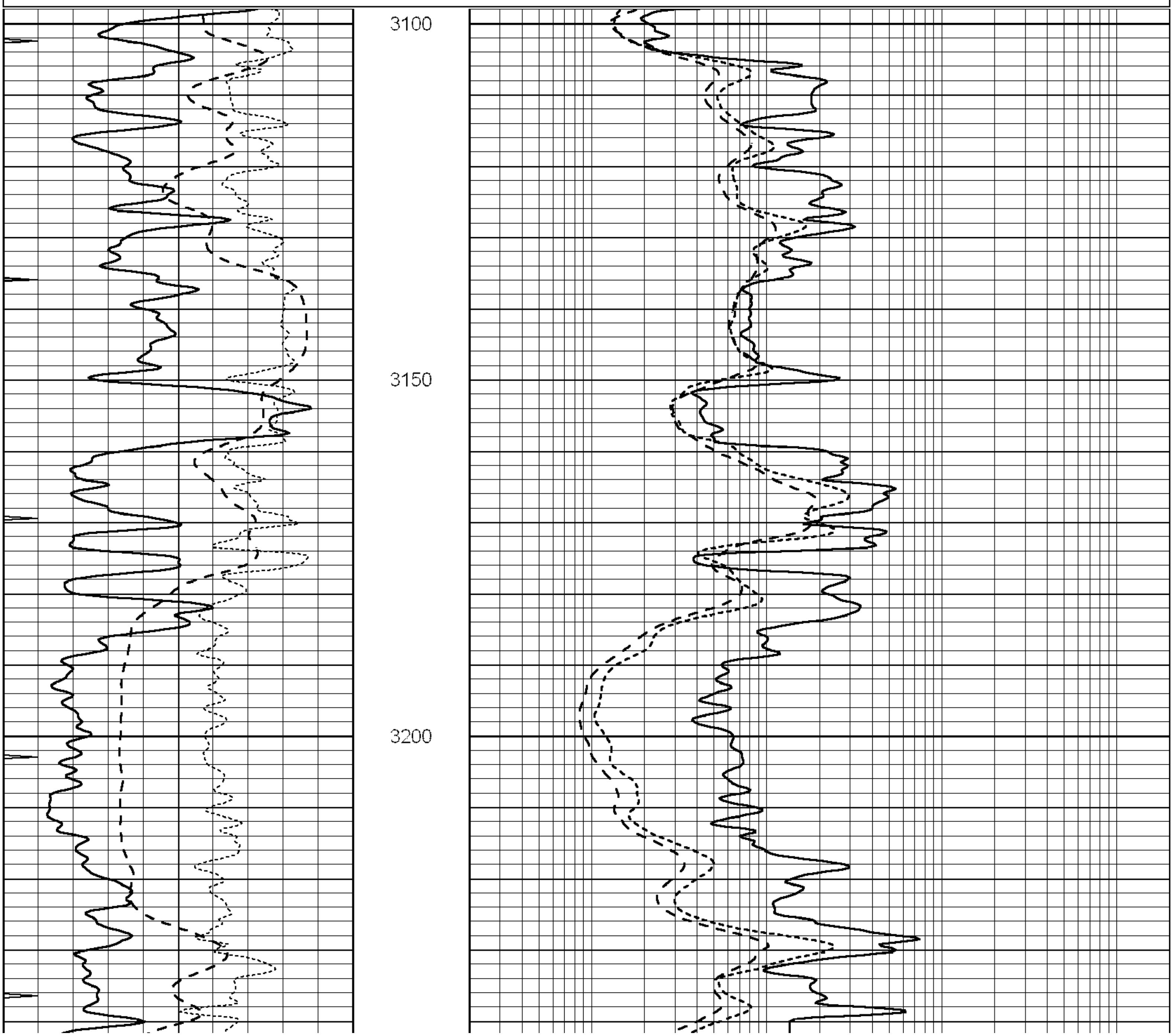
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750

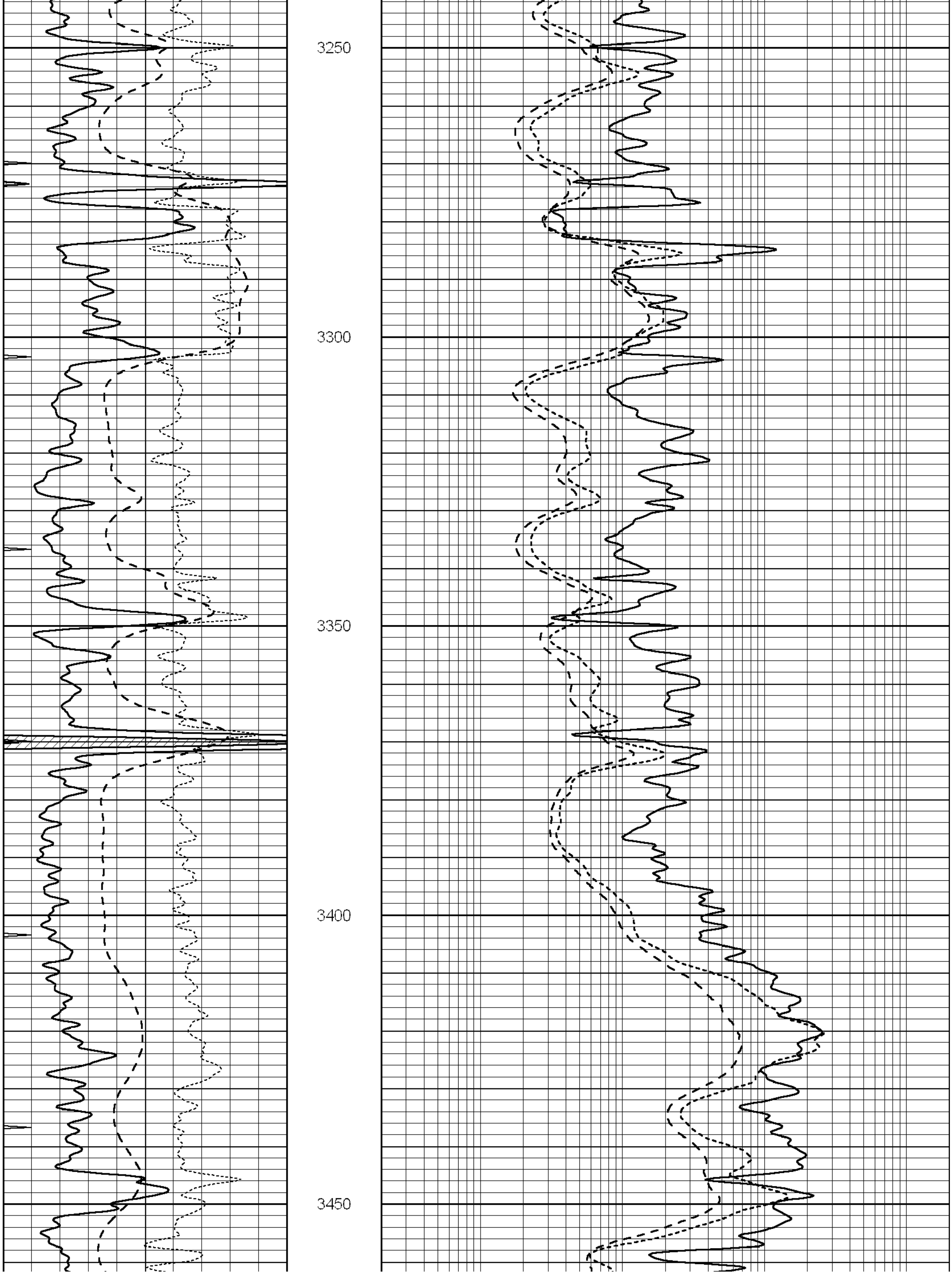

3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300

0	Gamma Ray (GAPI)	150	0	RLL3 (Ohm-m)	50
-100	SP (mV)	100	0	RILD (Ohm-m)	50
			1000	CILD (mmho/m)	0
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

Database File: 006000ddn.db
Dataset Pathname: pass3.1
Presentation Format: dil
Dataset Creation: Wed Oct 27 09:06:12 2010 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	10			

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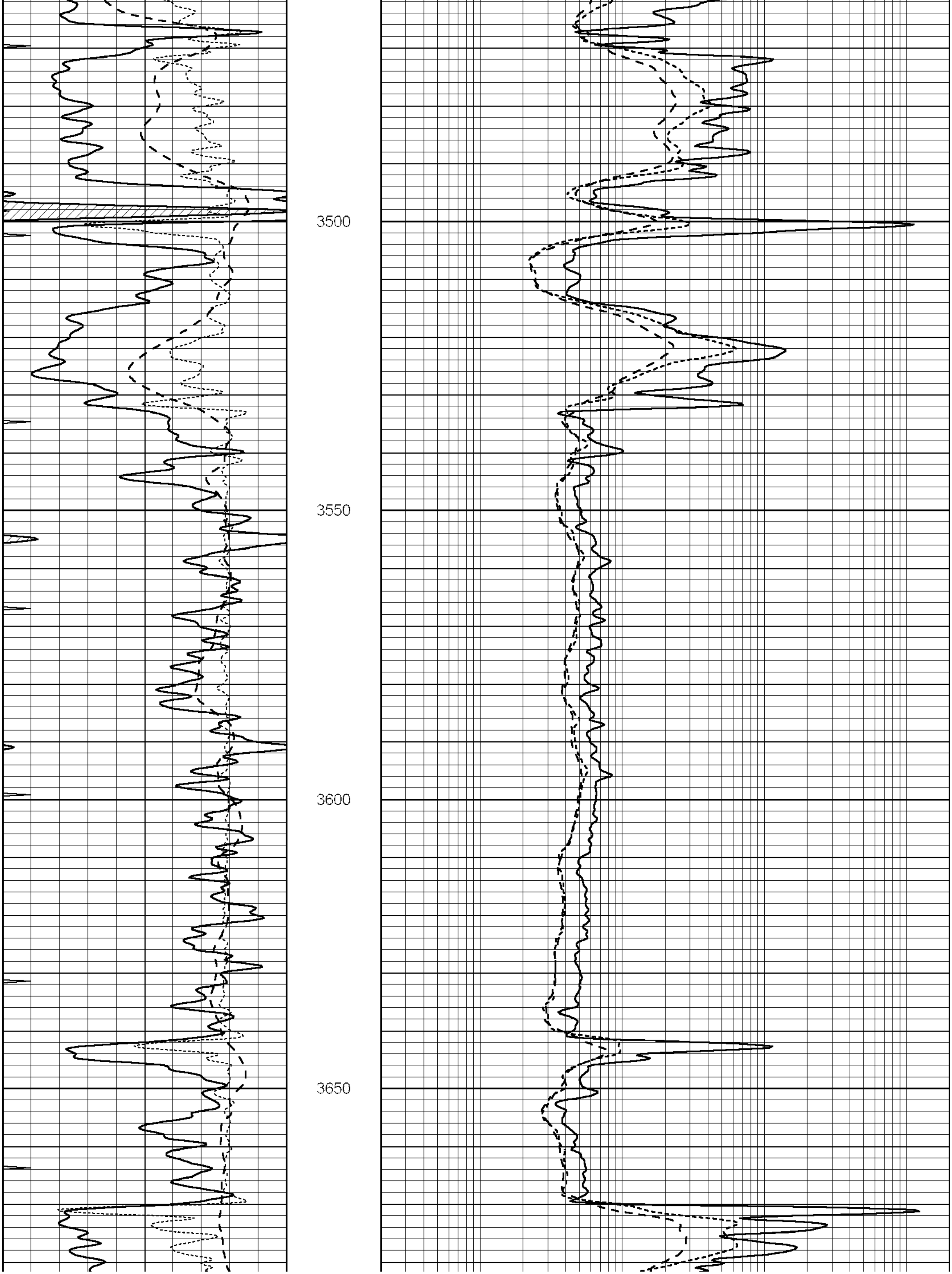
3300
3350
3400
3450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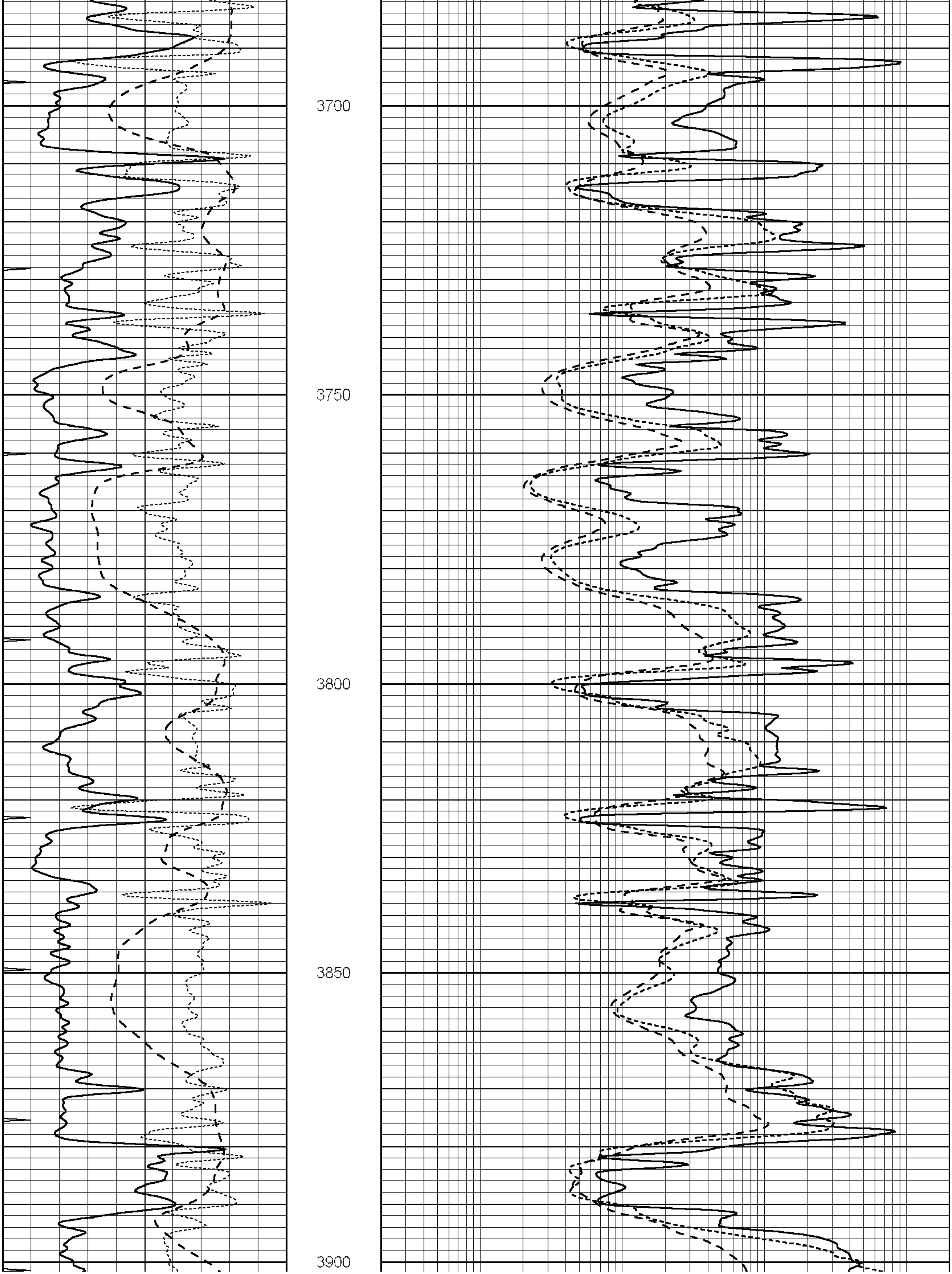
3600
3650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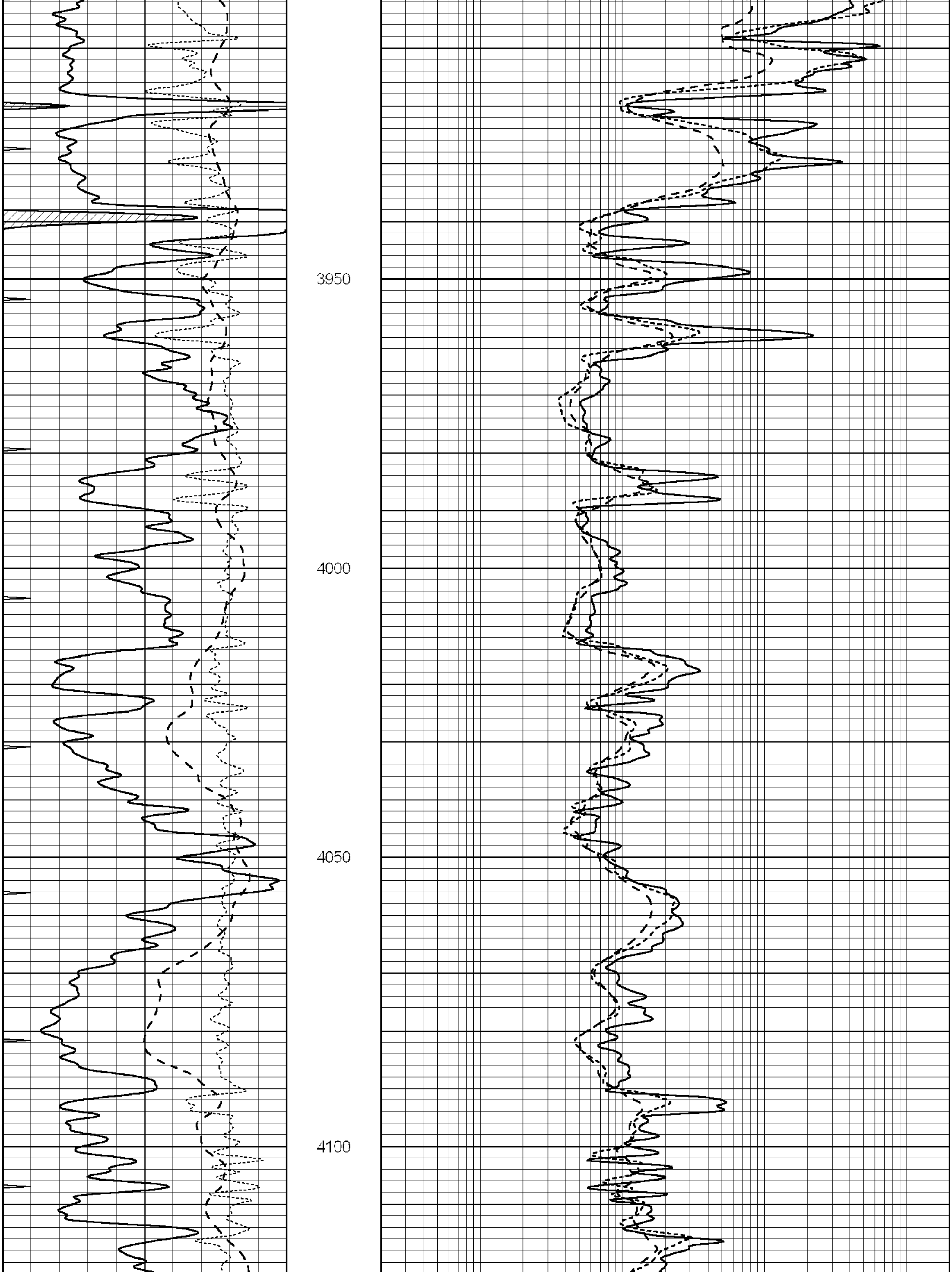
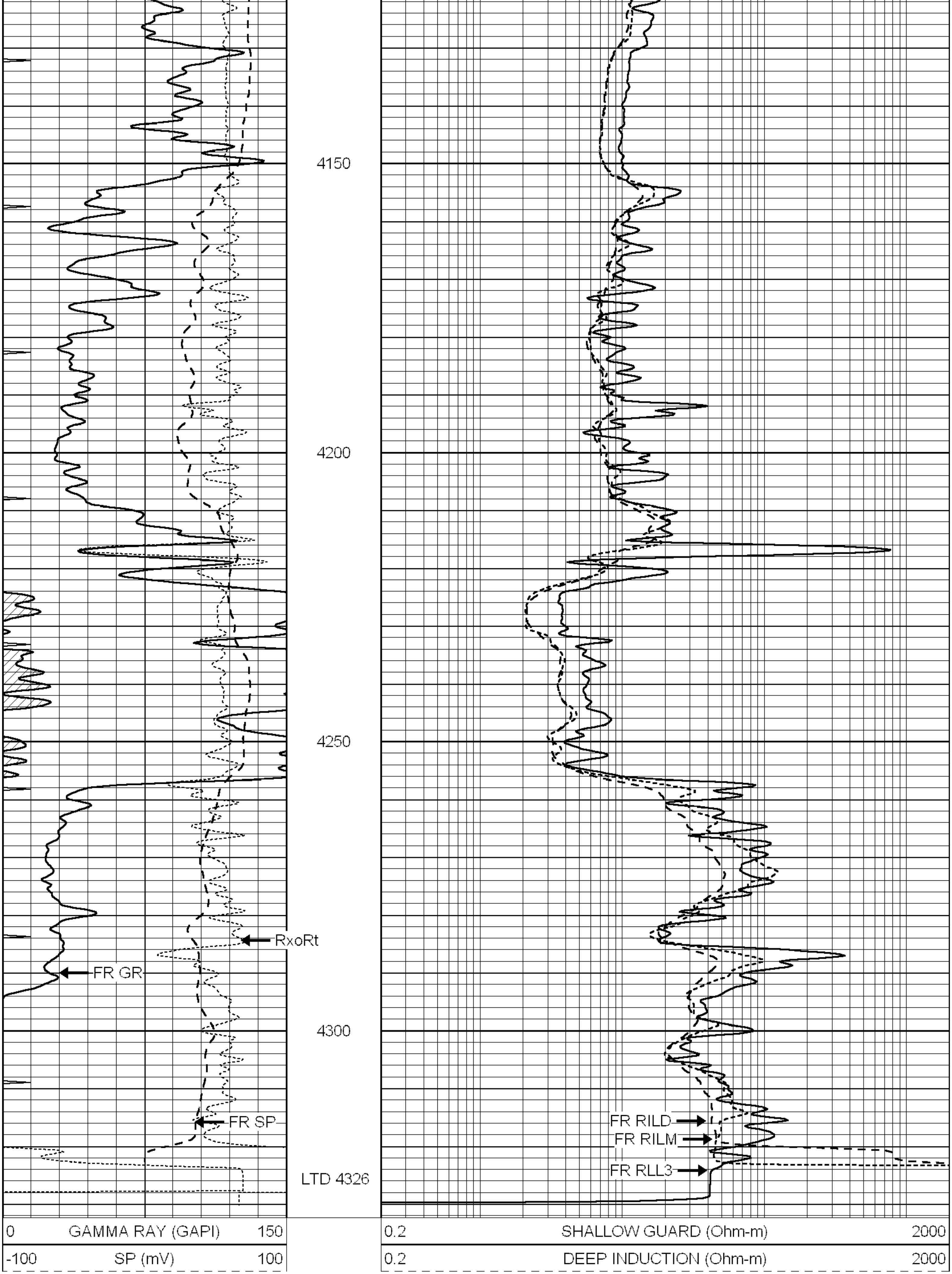
3750
3800
3850
3900


3950
4000
4050
4100


4150
4200
4250
4300
LTD 4326
RxoRt
FR GR
FR SP
FR RILD
FR RILM
FR RLL3
0
GAMMA RAY (GAPI)
150
-100
SP (mV)
100
0.2
SHALLOW GUARD (Ohm-m)
2000
0.2
DEEP INDUCTION (Ohm-m)
2000

-250	Rxo/Rt	50		0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	10				

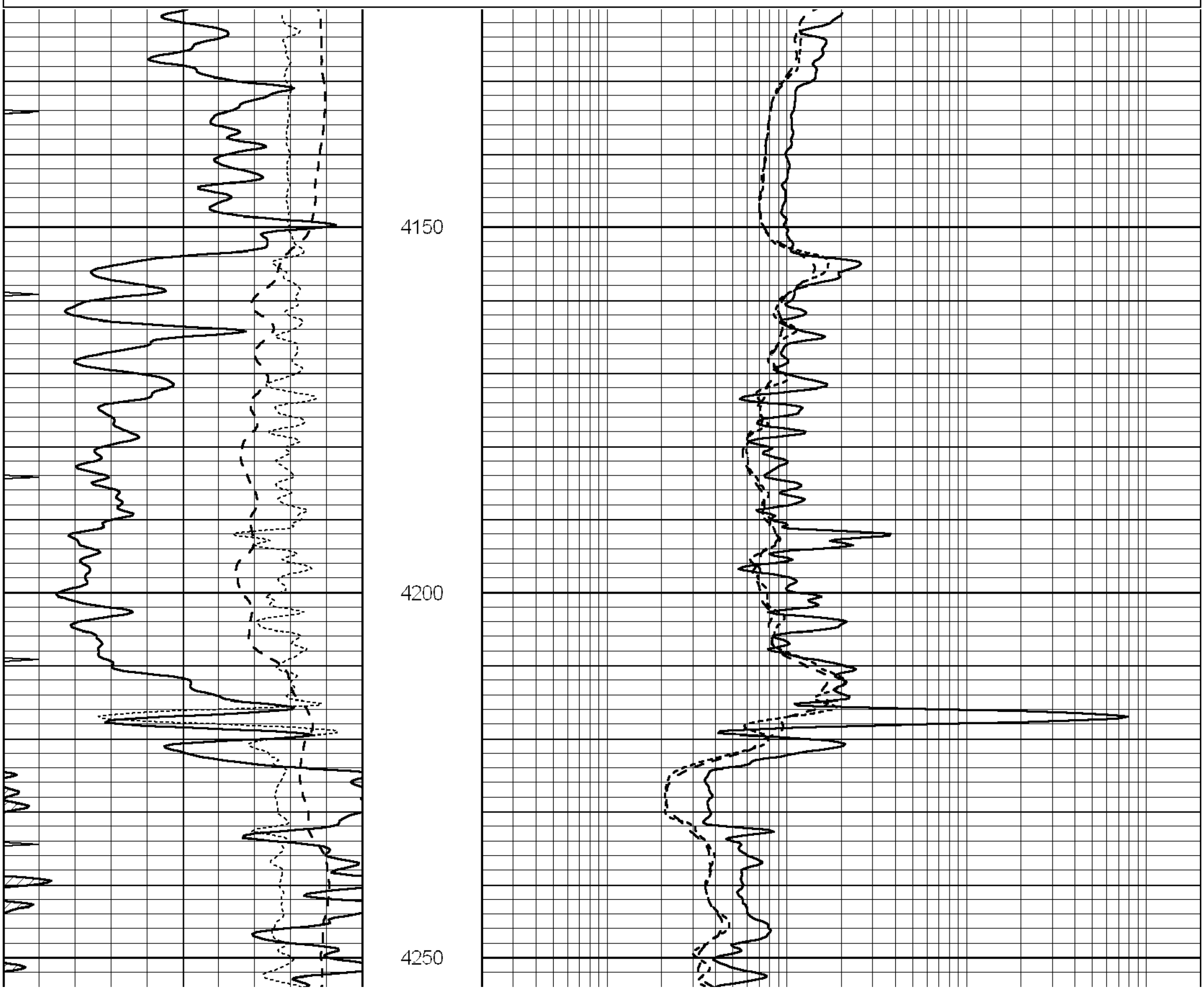
SUPERIOR WELL SERVICES

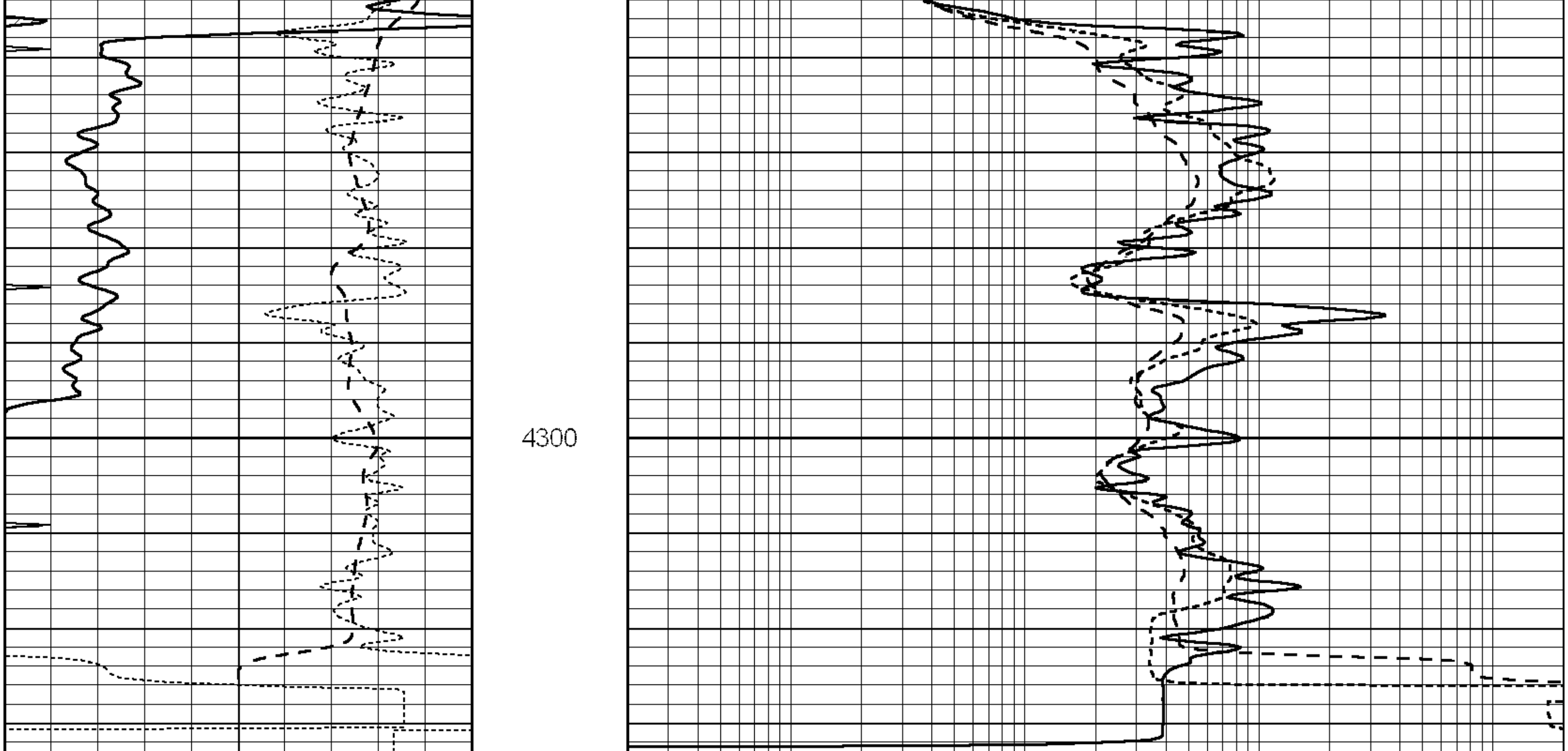
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File:	006000ddn.db
Dataset Pathname:	pass2
Presentation Format:	dil
Dataset Creation:	Wed Oct 27 08:09:09 2010 by Log Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150		0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100		0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50		0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	10				





0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	10			

Calibration Report

Database File: 006000ddn.db
Dataset Pathname: pass3.2
Dataset Creation: Wed Oct 27 10:38:54 2010 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL6-GEAR
Performed: Mon Oct 18 01:22:04 2010

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.644	V	0.000	400.000	mmho/m	660.000	0.000
Medium	0.020	0.738	V	0.000	462.500	mmho/m	740.000	-22.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000
Medium	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000

Litho Density Calibration Report

Serial: 004N Model: PRB
Performed Tue Sep 08 13:49:55 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps
Window 4	337.3	342.8	337.4	343.7	cps

Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.2	1671.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7

Caliper

	Readings	Reference
Low Ref	1.2	7.1
High Ref	3.2	14.0

Gain: 3.5 Offset: 2.8

Compensated Neutron Calibration Report

Serial Number: NEU_4I
Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	996.00	cps	1000.00	cps	1.0000
Long Space	977.00	cps	1000.00	cps	1.0000

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Mon Oct 18 02:38:35 2010	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	2.0000	GAPI/cps