



**SUPERIOR
Hays,
Kansas**

**DUAL
INDUCTION
LOG**

Company	LOTUS OPERATING COMPANY, LLC		
Well	ROSE #2		
Field			
County	BARBER	State	KANSAS
Location:	API # : 15-007-23590		Other Services CDL/CNL/PE SONIC/MEL
SEC 25 TWP 34S RGE 12W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1398
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B.	1406
Drilling Measured From	KELLY BUSHING	D.F.	
		G.L.	1398
Date	9-29-10		
Run Number	ONE		
Depth Driller	5252		
Depth Logger	5252		
Bottom Logged Interval	5250		
Top Log Interval	00		
Casing Driller	282		
Casing Logger	282		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 44		
pH / Fluid Loss	9.5 / 10.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.80 @ 83F		
Rinf @ Meas. Temp	0.60 @ 83F		
Rinc @ Meas. Temp	0.96 @ 83F		
Source of Rinf / Rinc	MEASURED		
Rim @ BHT	.520 @ 127F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	2:15 A.M.		
Maximum Recorded Temperature	127F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	TIM HELLMAN		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: MEDICINE LODGE, 17S, W INTO.



**SUPERIOR
Hays,
Kansas**

MAIN SECTION

Database File: 005692pdn.db
 Dataset Pathname: pass3.A
 Presentation Format: dil2
 Dataset Creation: Wed Sep 29 05:19:51 2010
 Charted by: Depth in Feet scaled 1:600

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

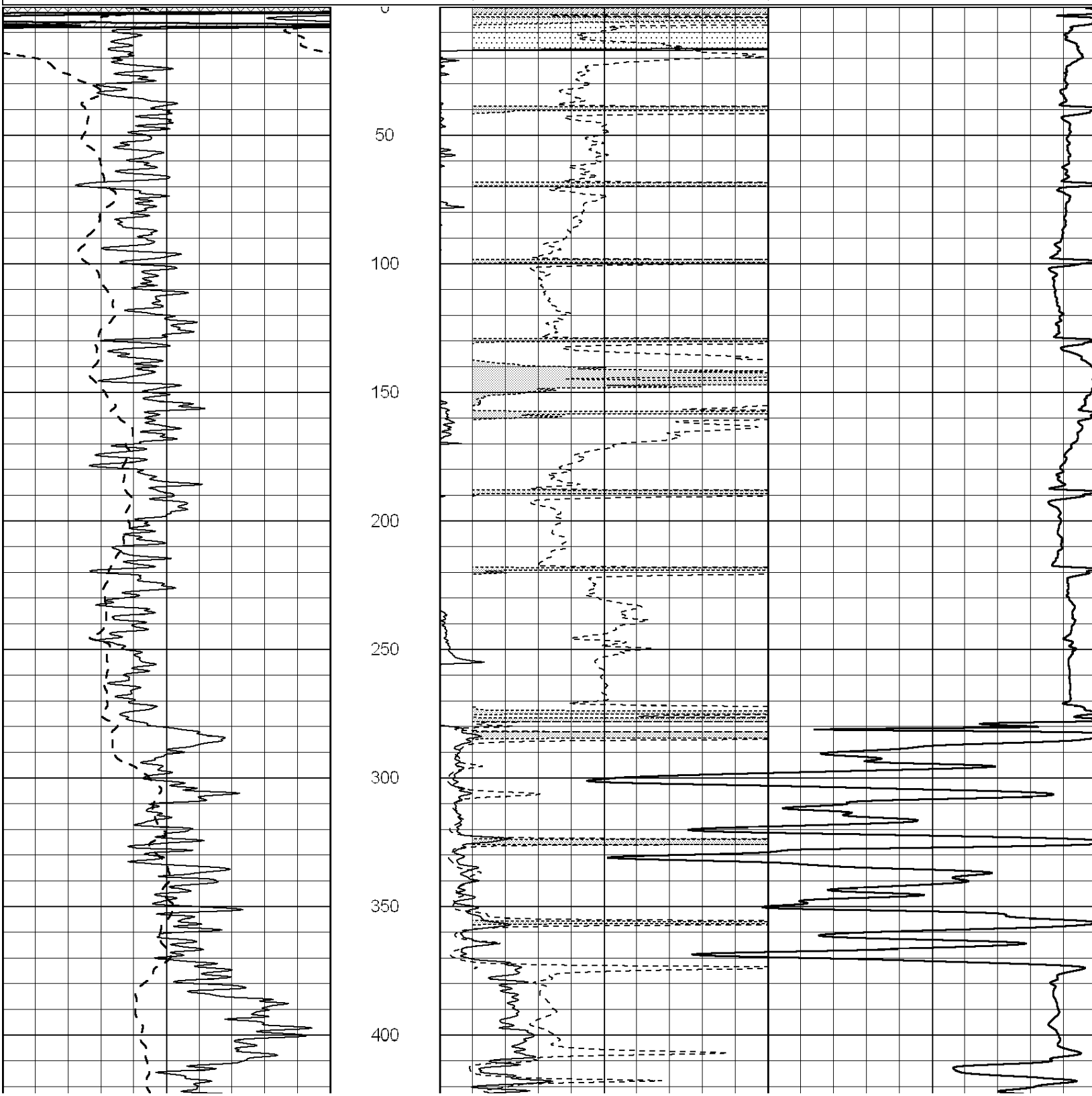
0 RLL3 (Ohm-m) 50

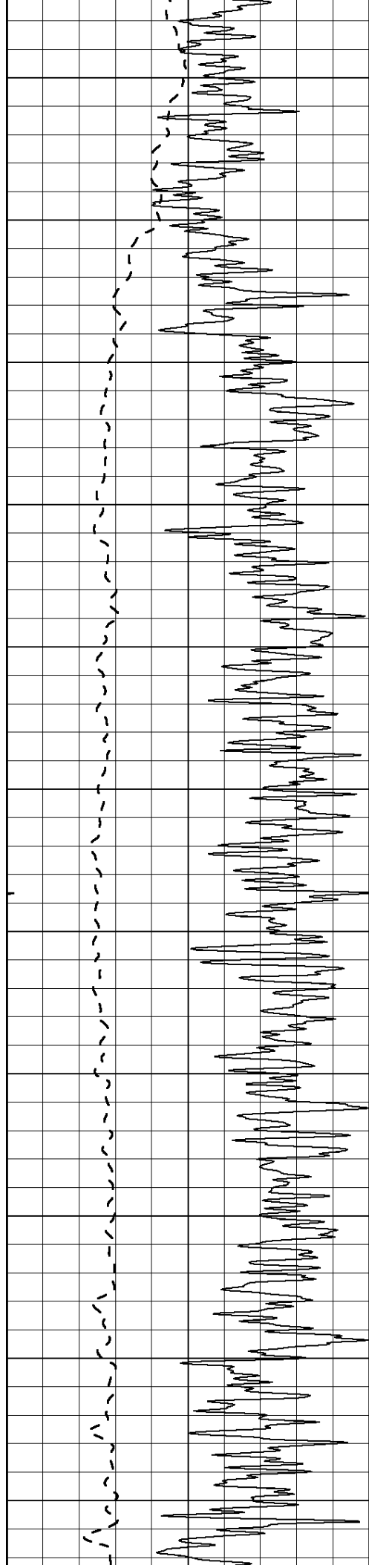
0 Deep Induction (Ohm-m) 50

1000 CILD (mmho/m) 0

50 RILD X10 (Ohm-m) 500

50 RLL3 X10 (Ohm-m) 500





450

500

550

600

650

700

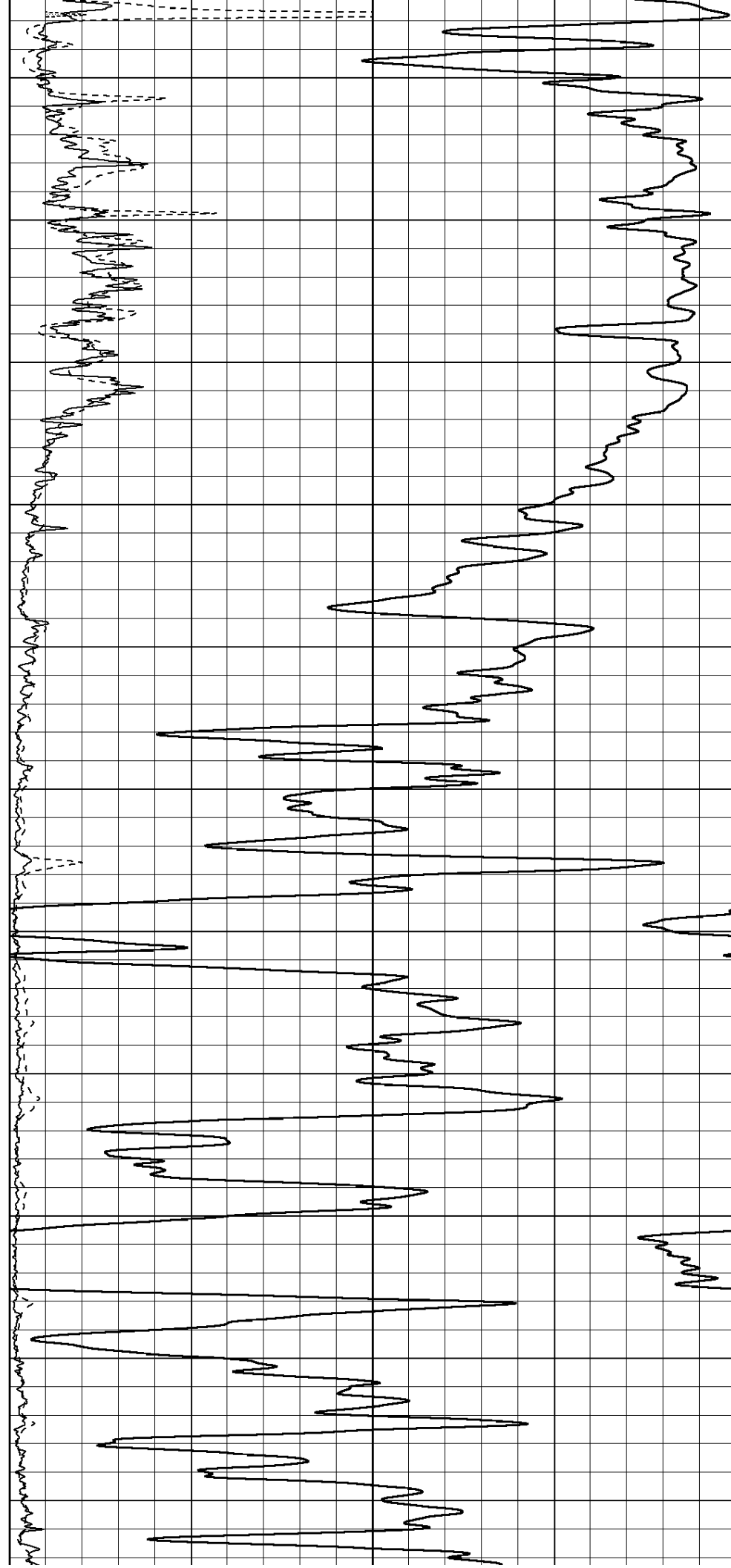
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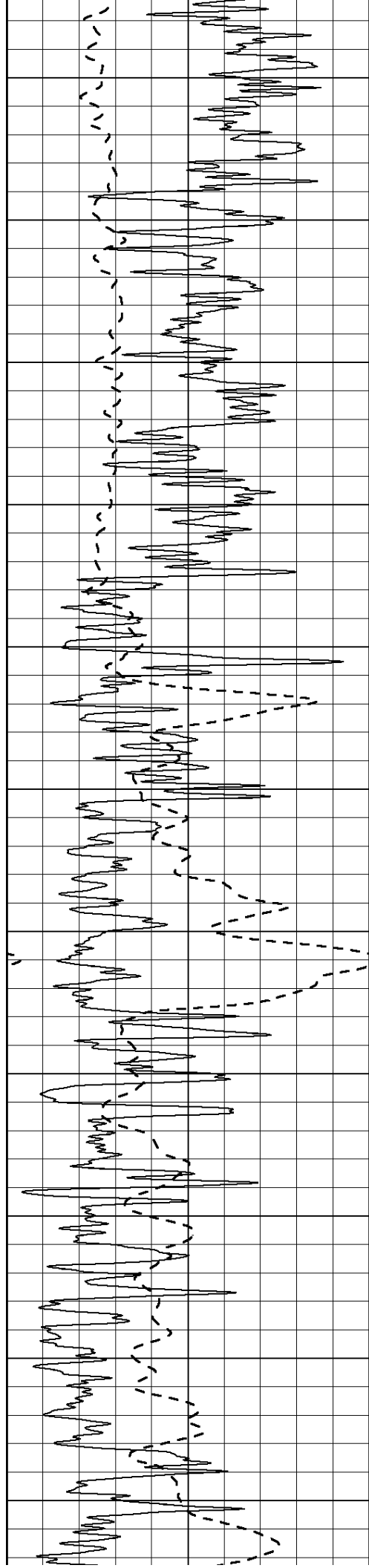
800

850

900

950





1000

1050

1100

1150

1200

1250

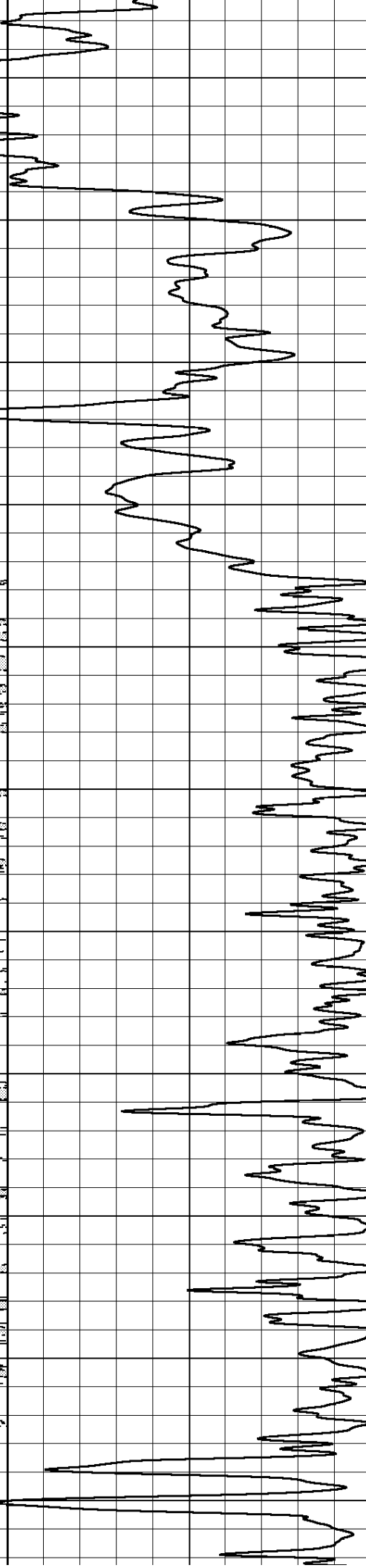
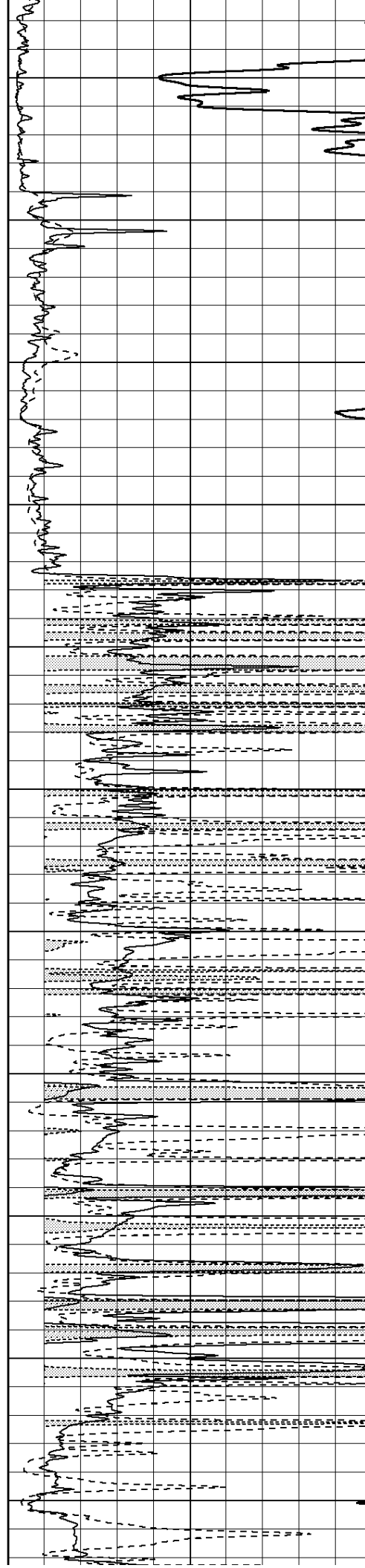
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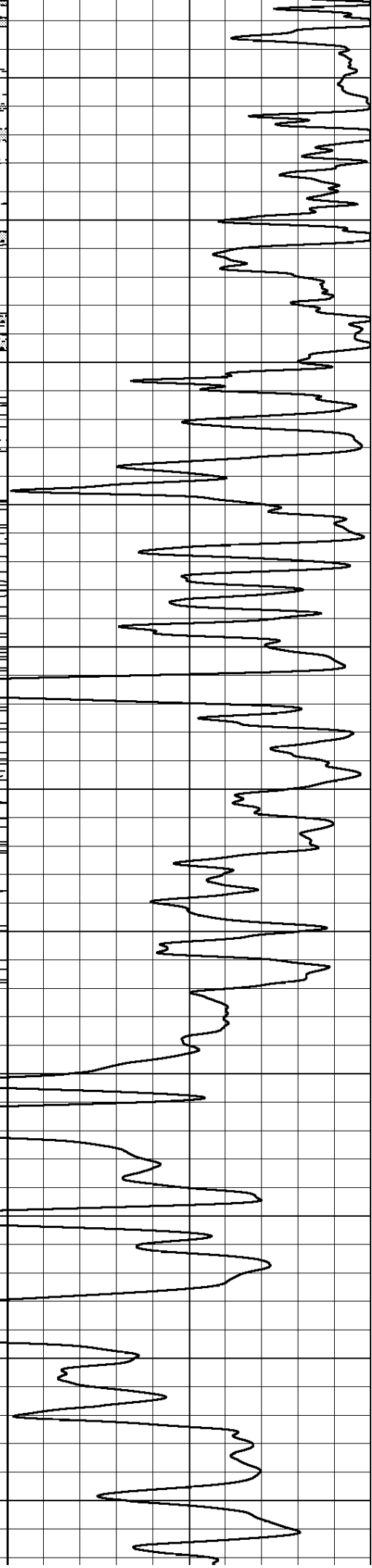
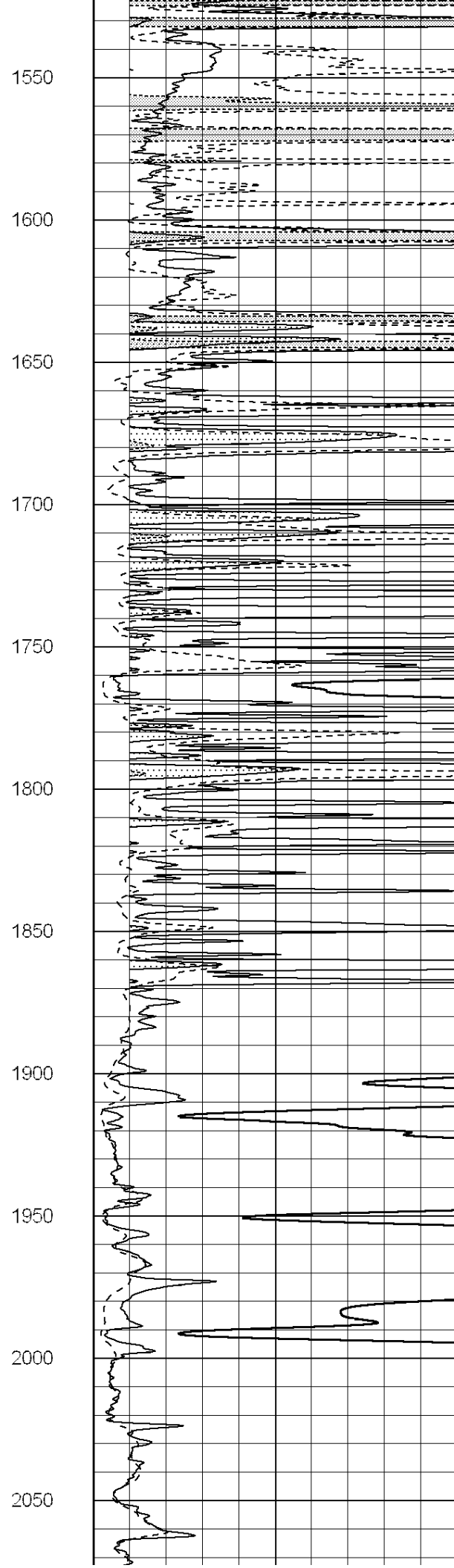
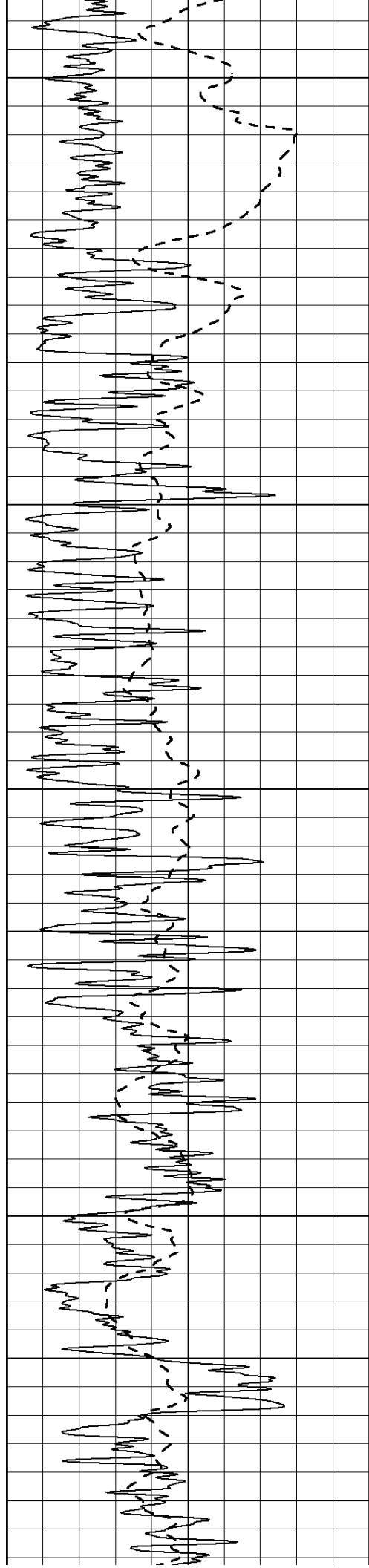
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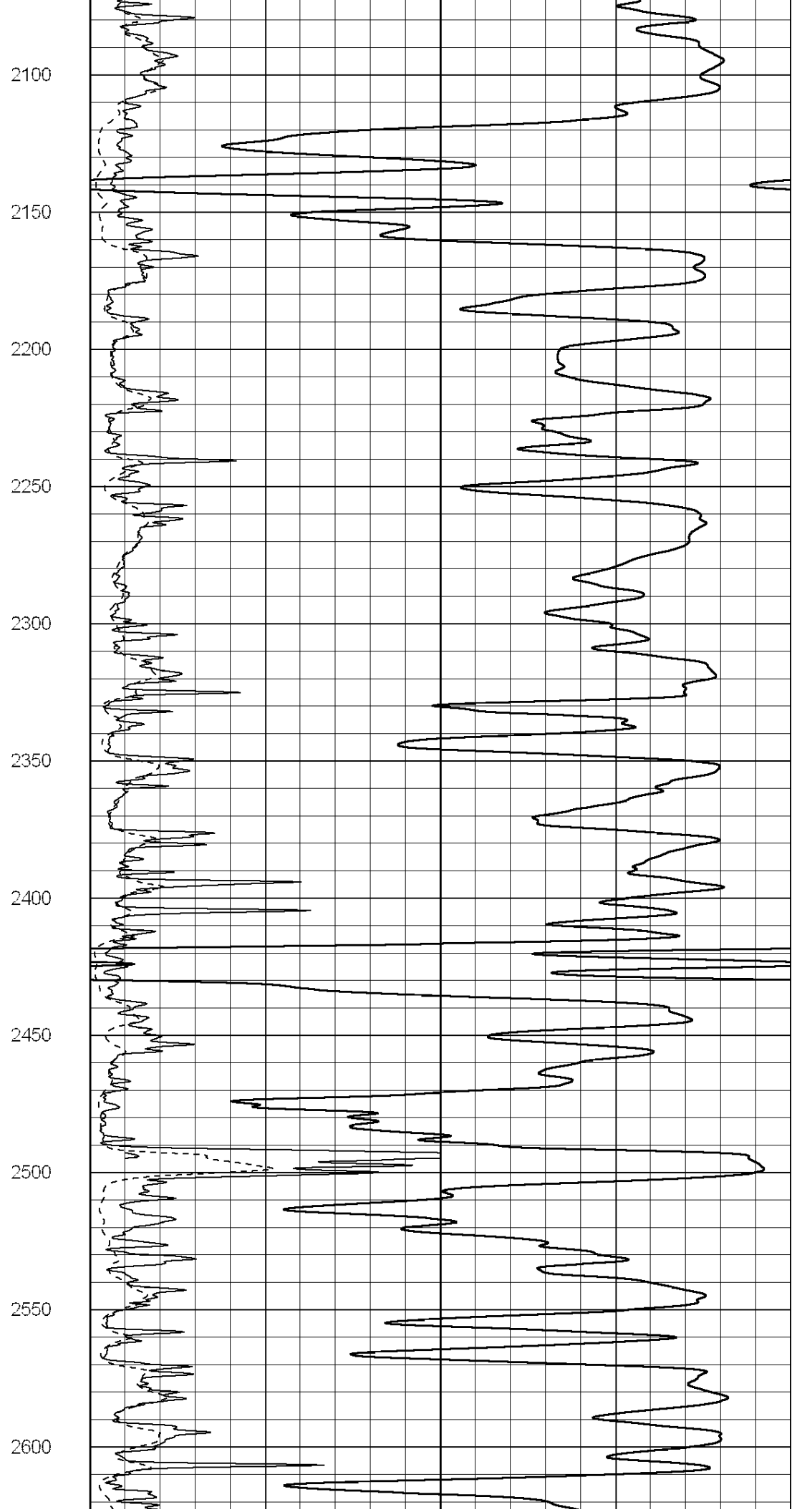
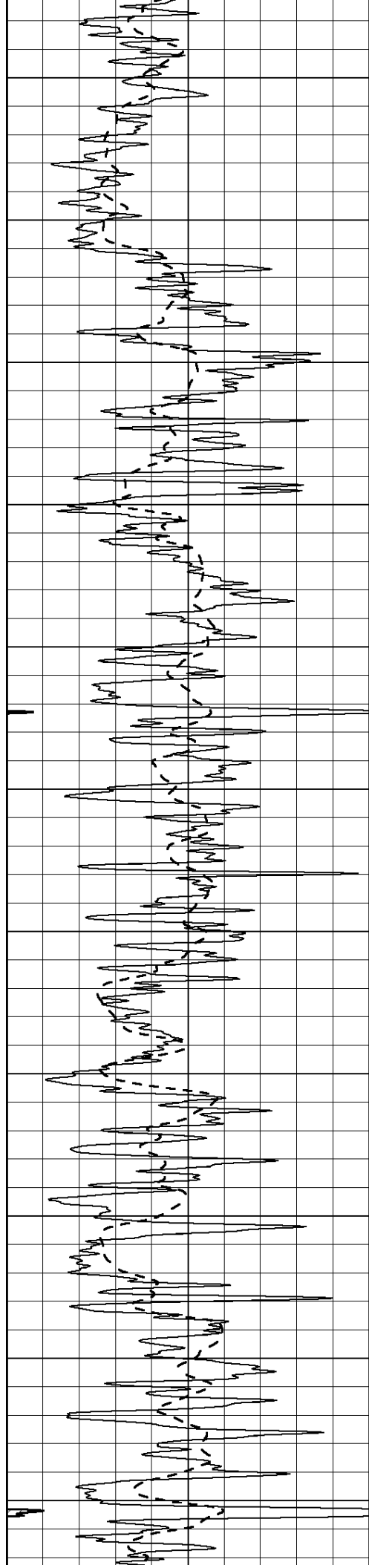
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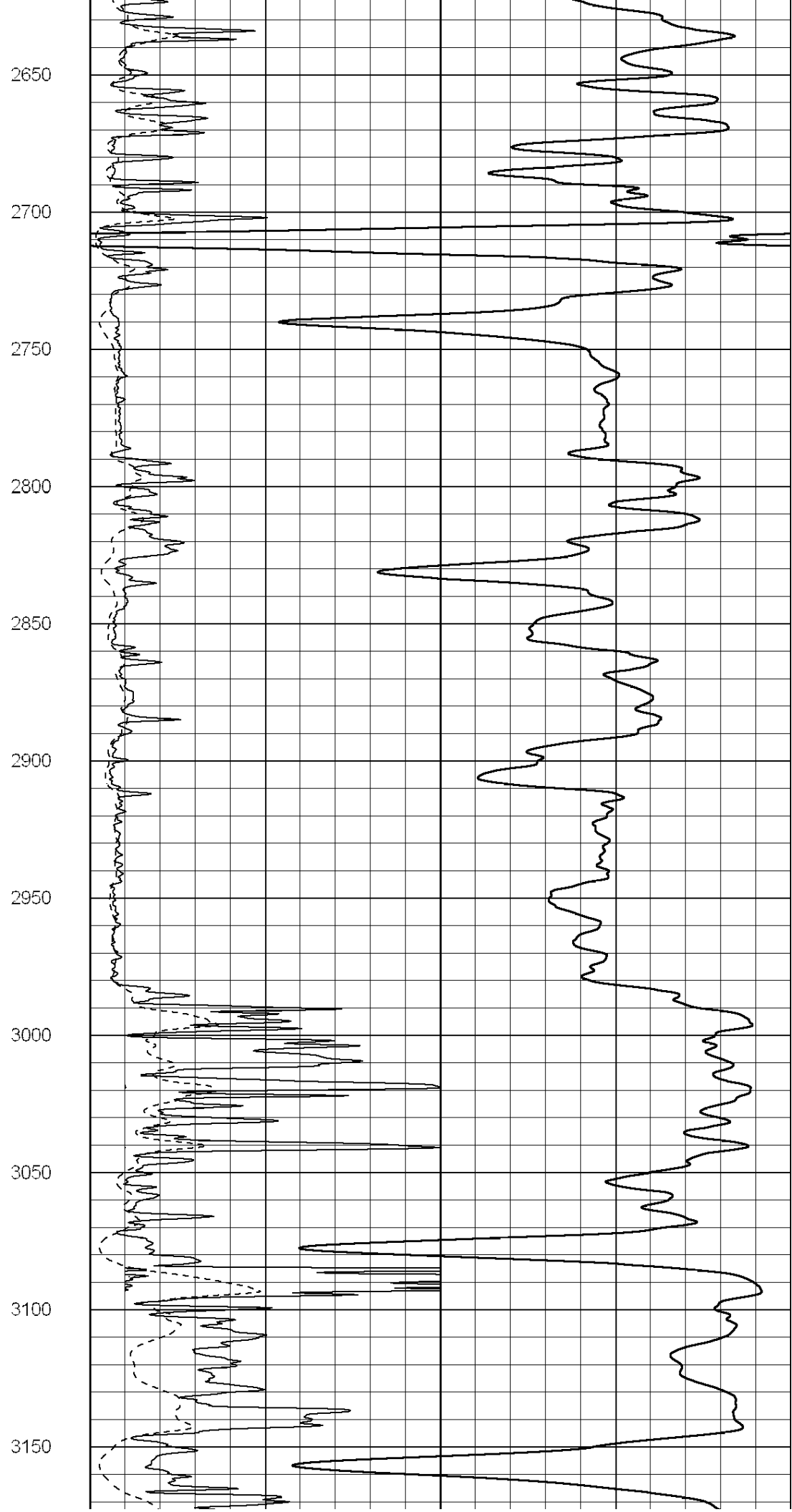
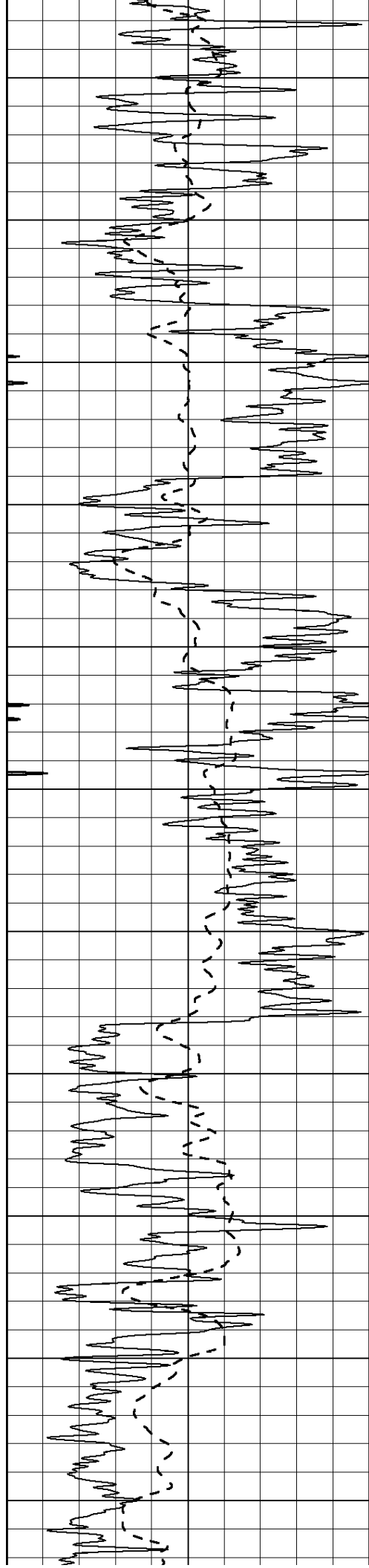
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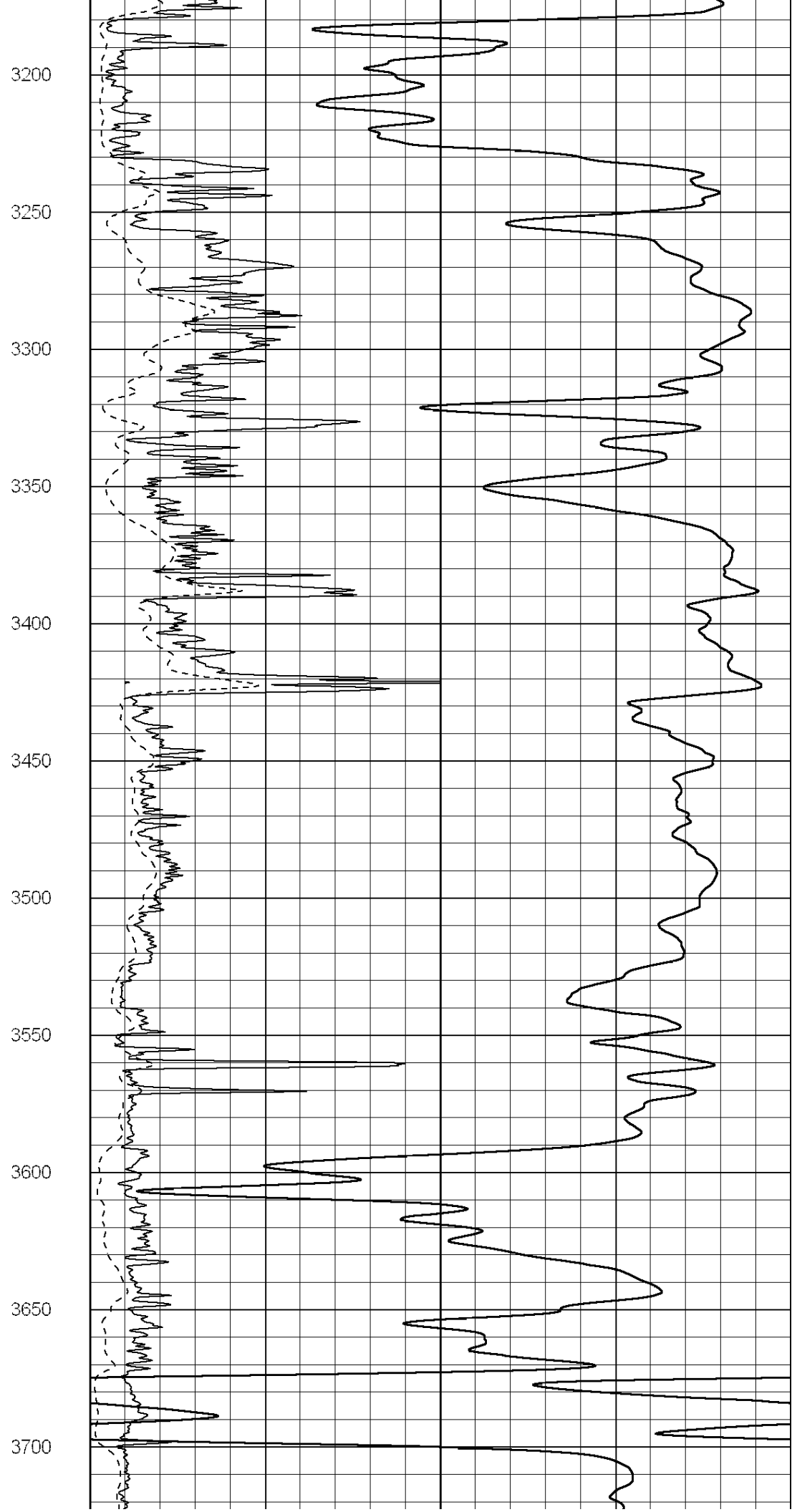
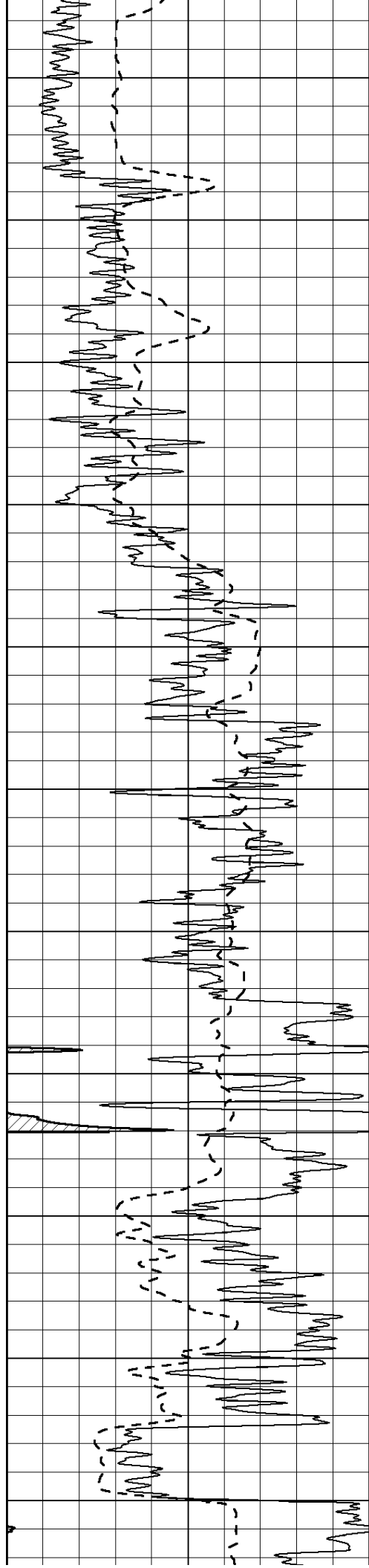
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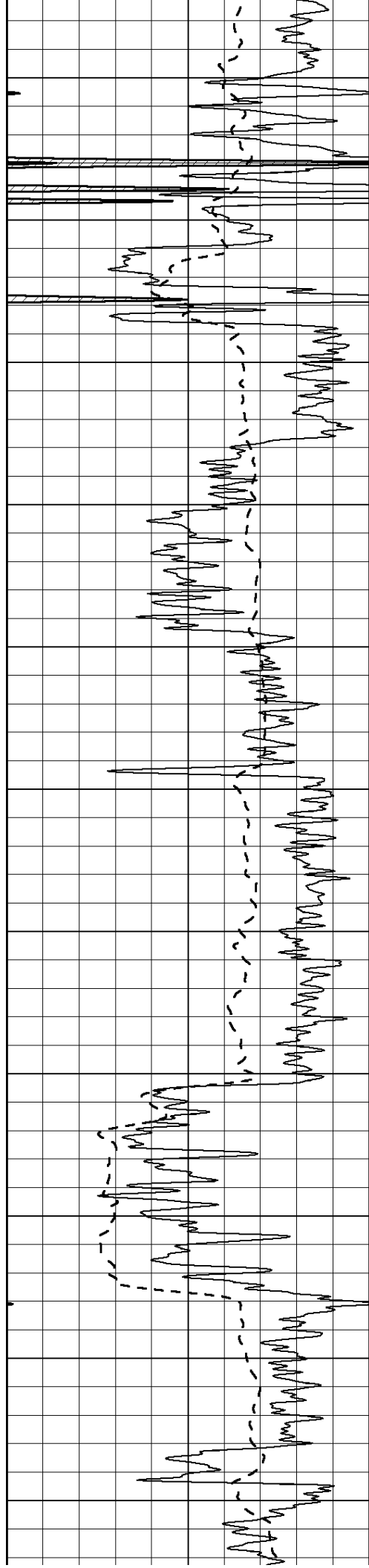












3750

3800

3850

3900

3950

4000

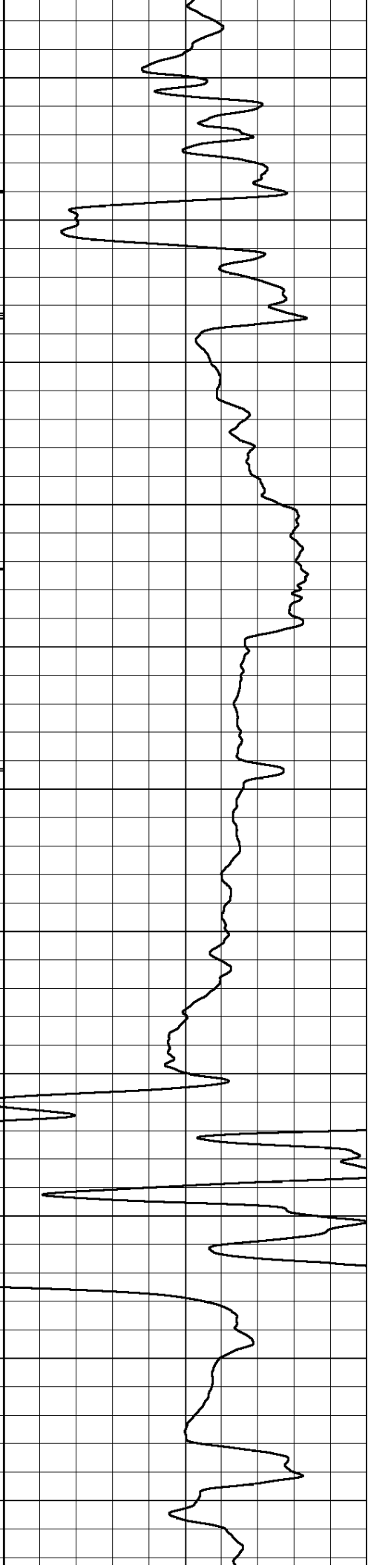
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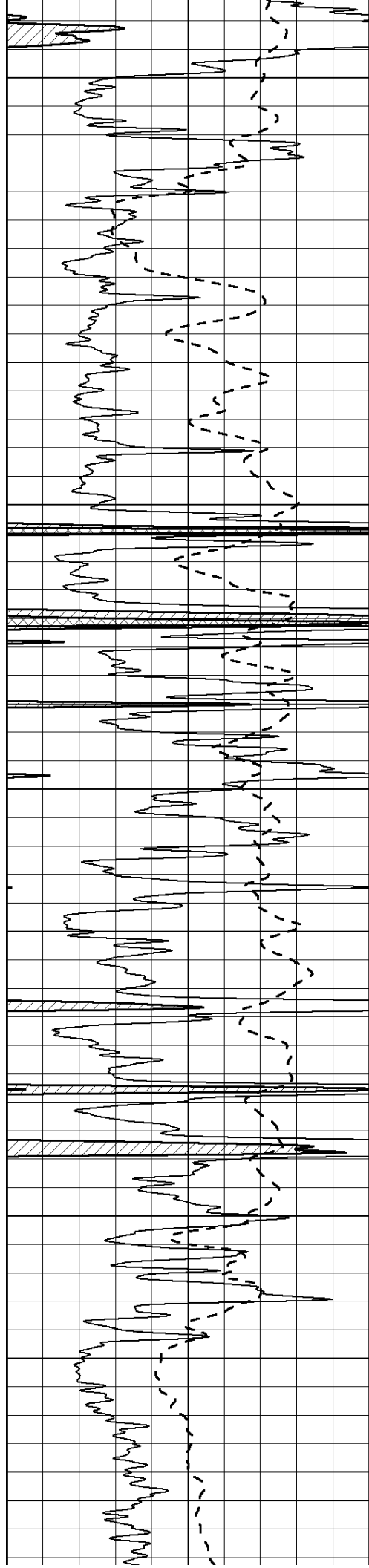
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4150

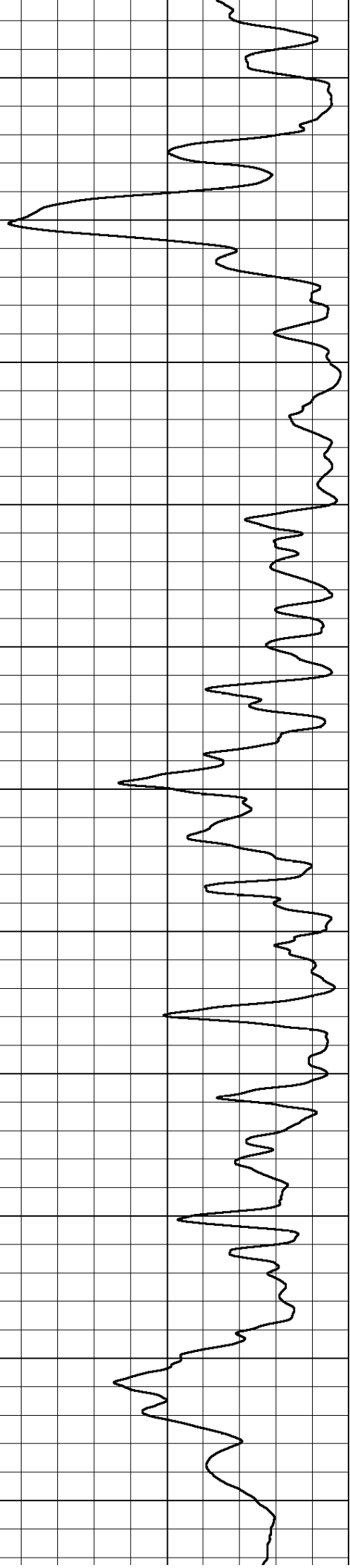
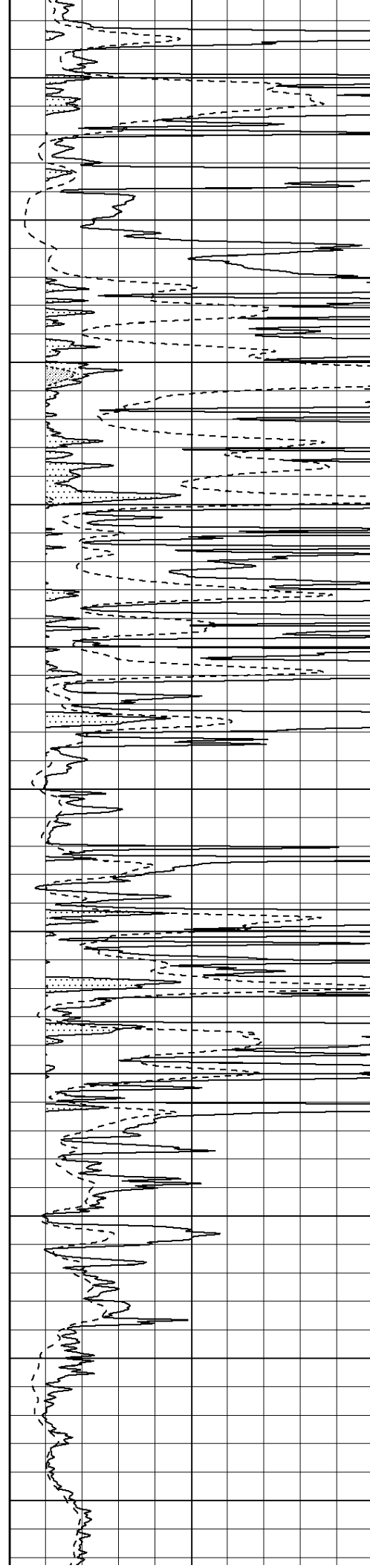
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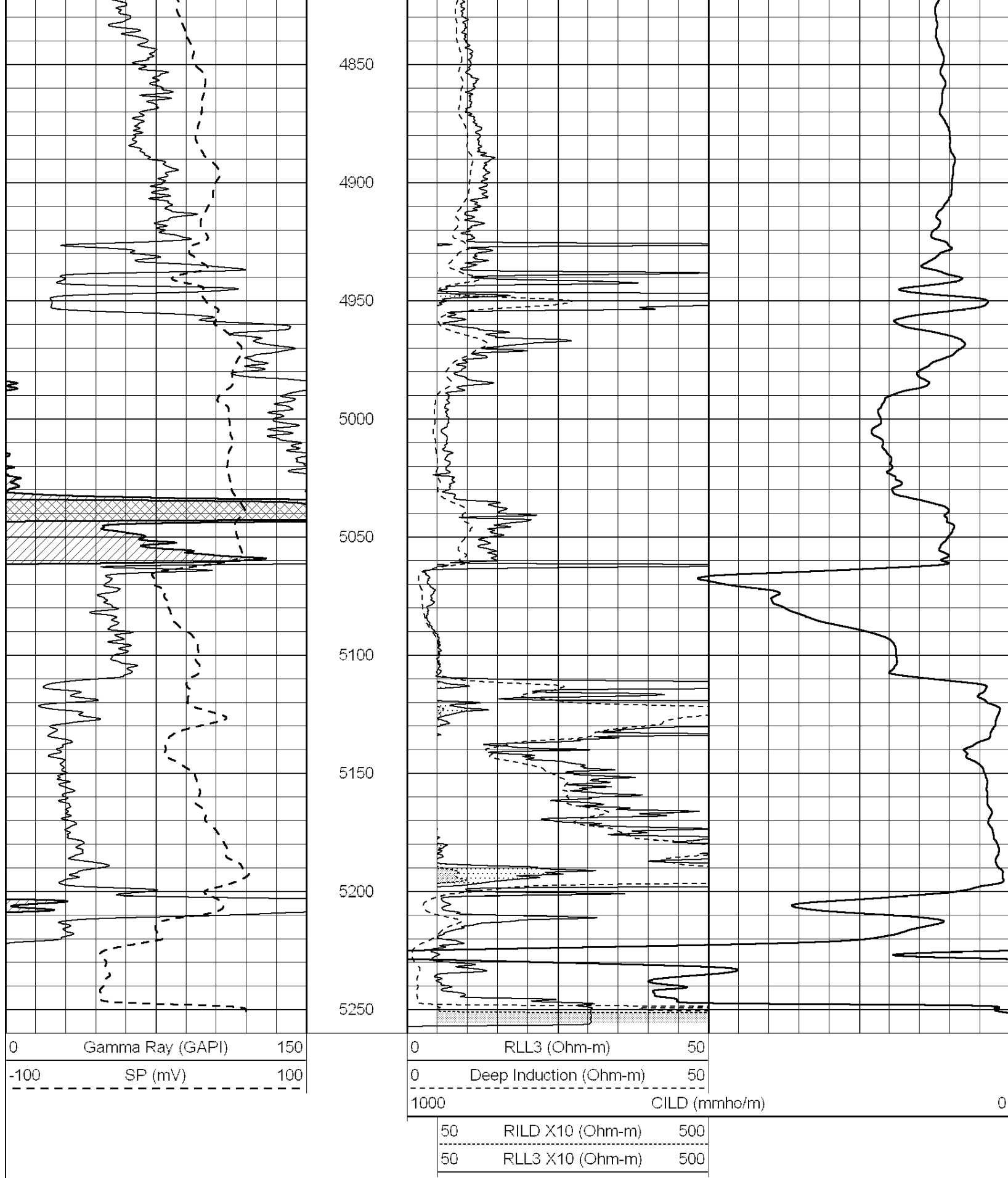
4250





4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800





SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File:

005692pdn.db

Dataset Pathname:

pass3.A

Presentation Format:

dil

Dataset Creation:

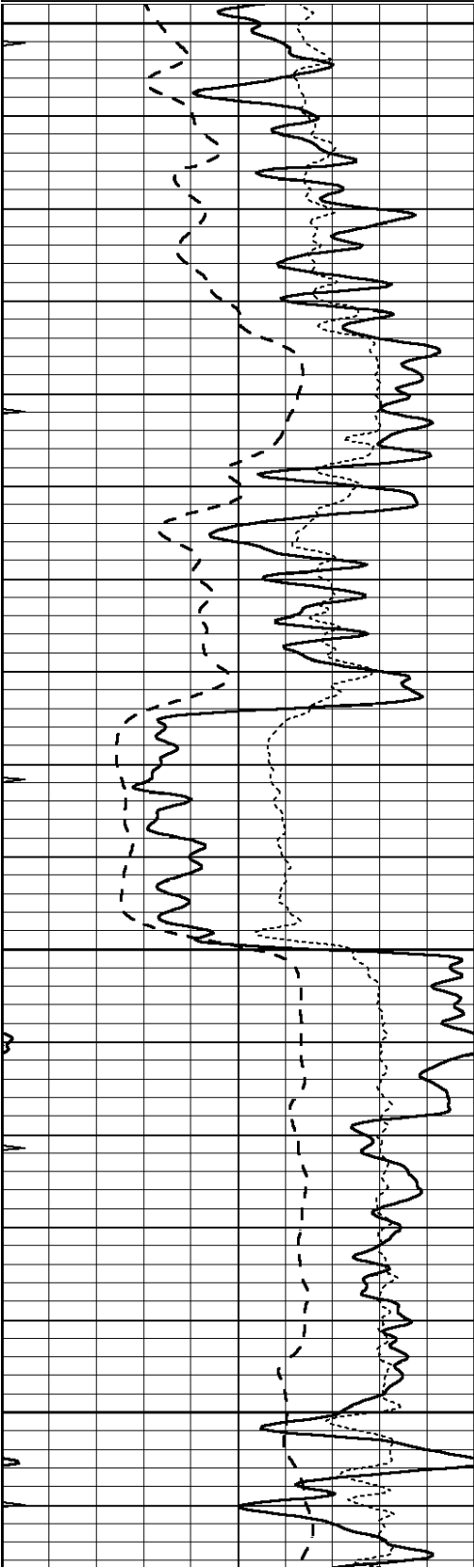
Wed Sep 29 05:19:51 2010

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

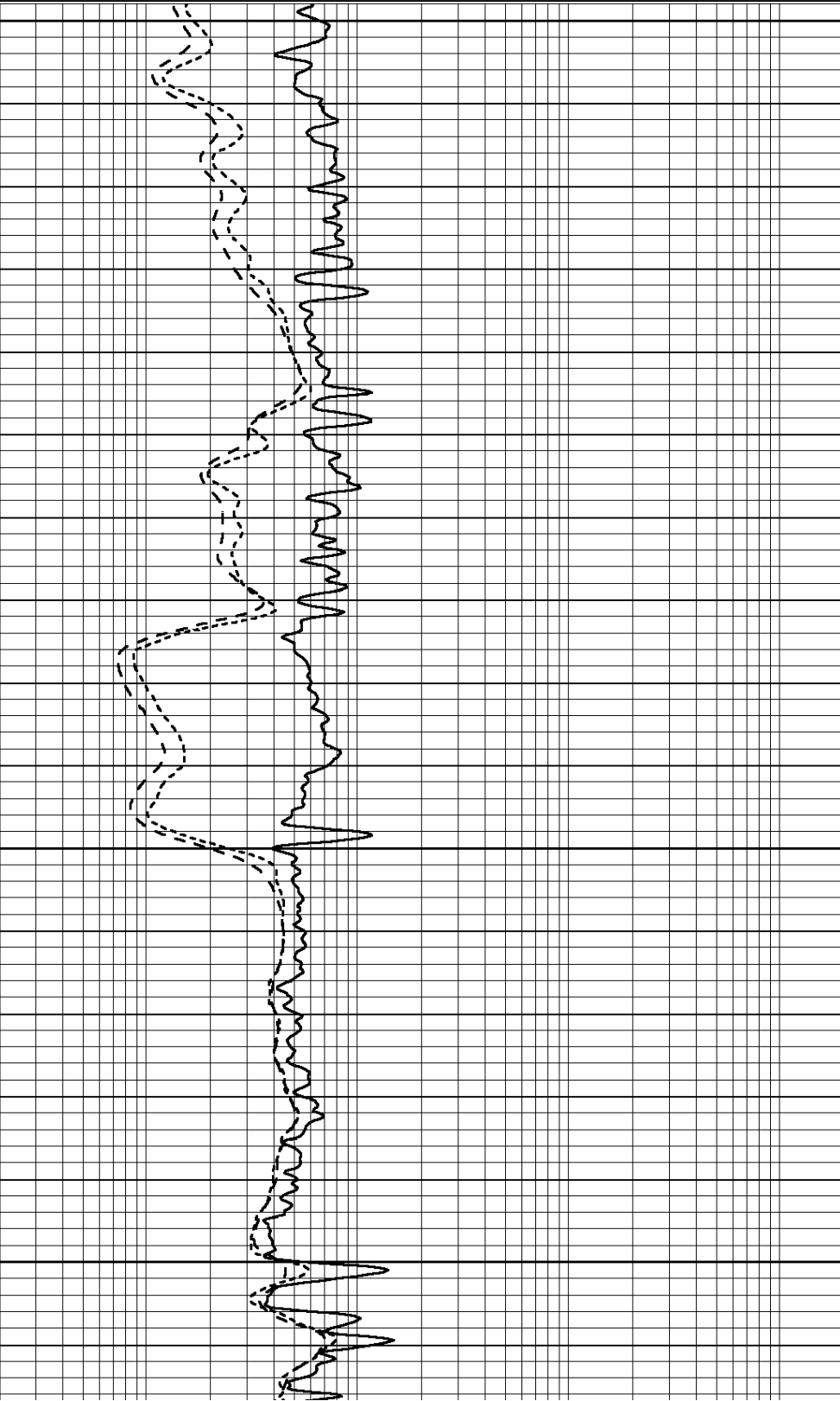


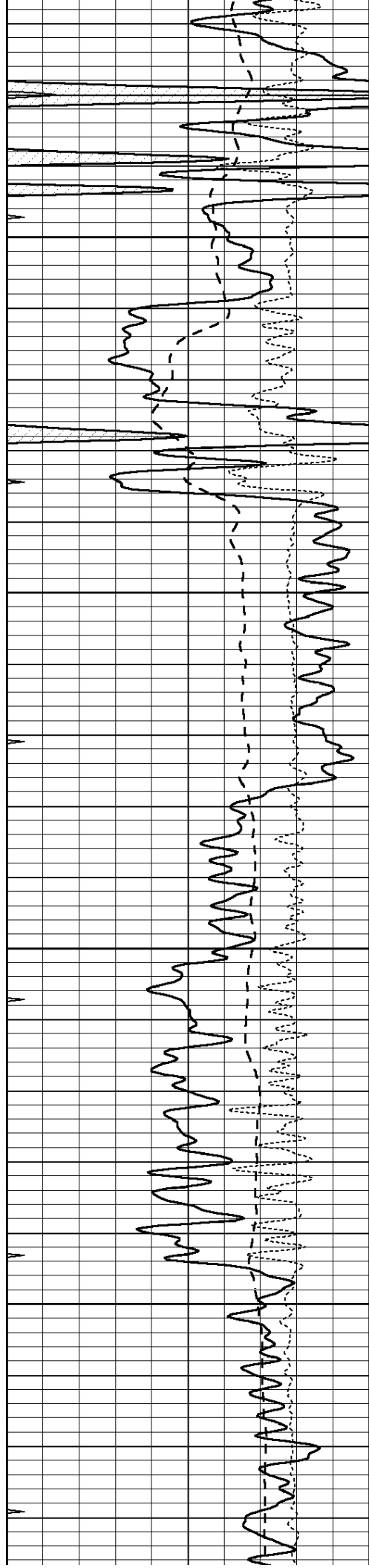
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3650

3700

3750



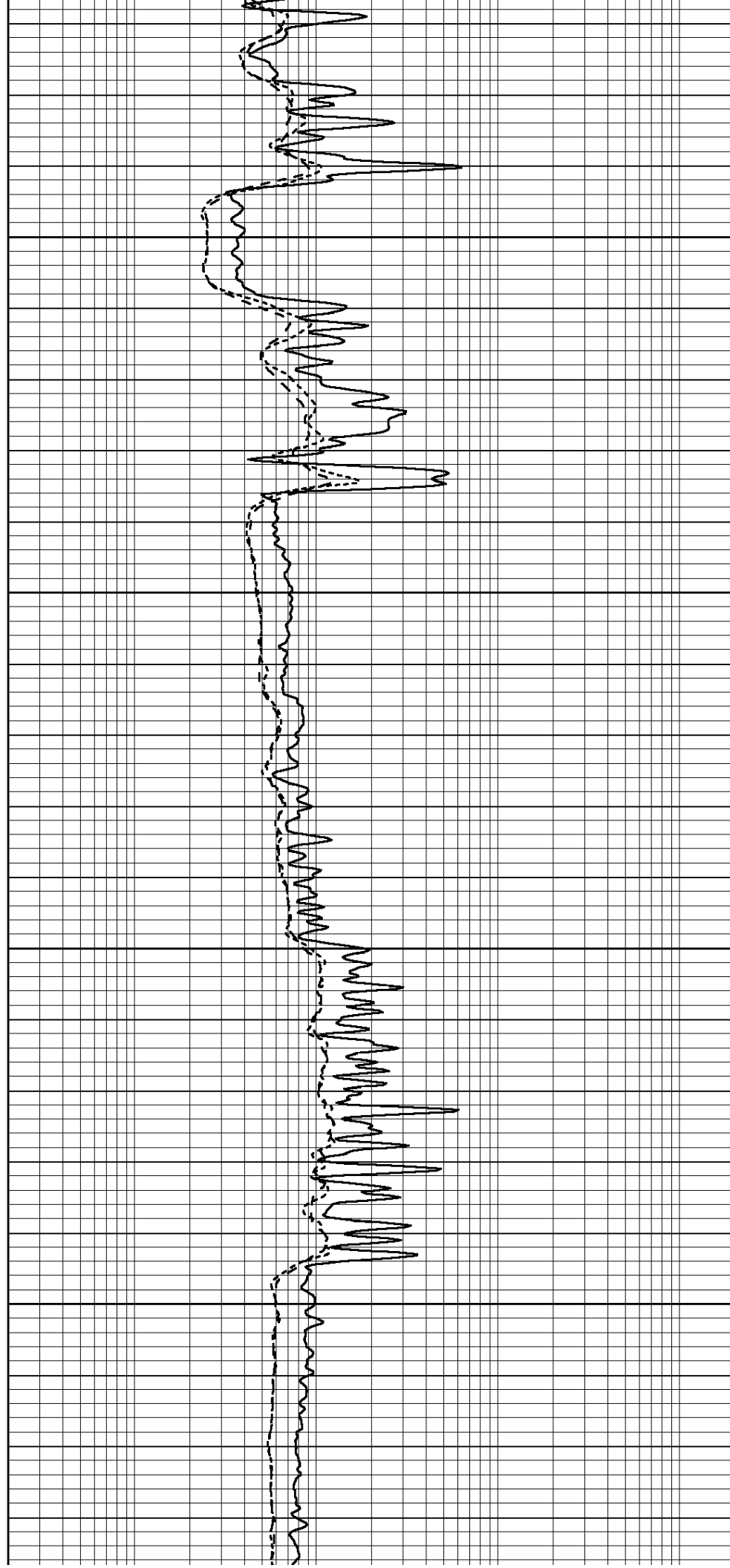


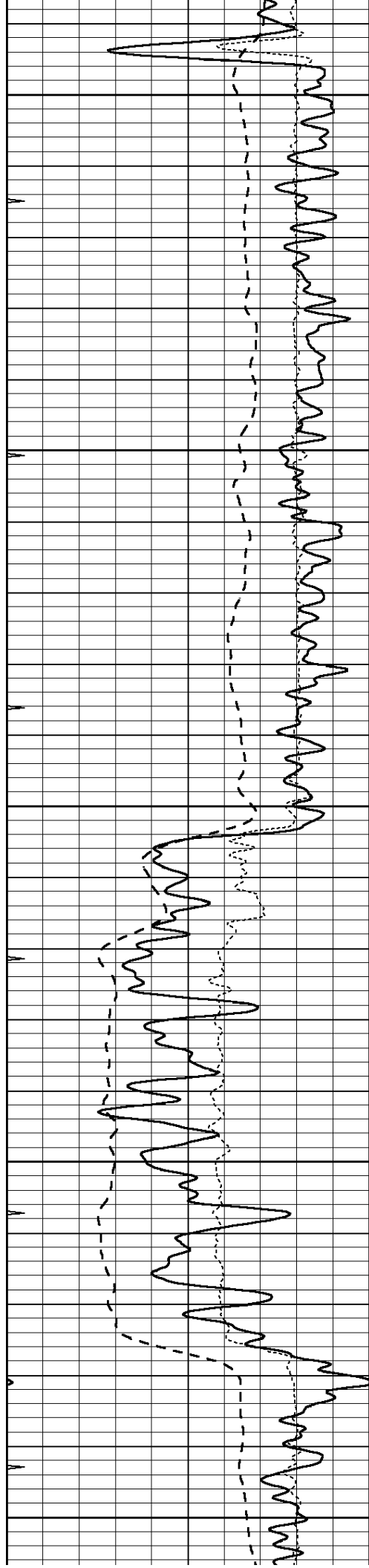
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3850

3900

3950





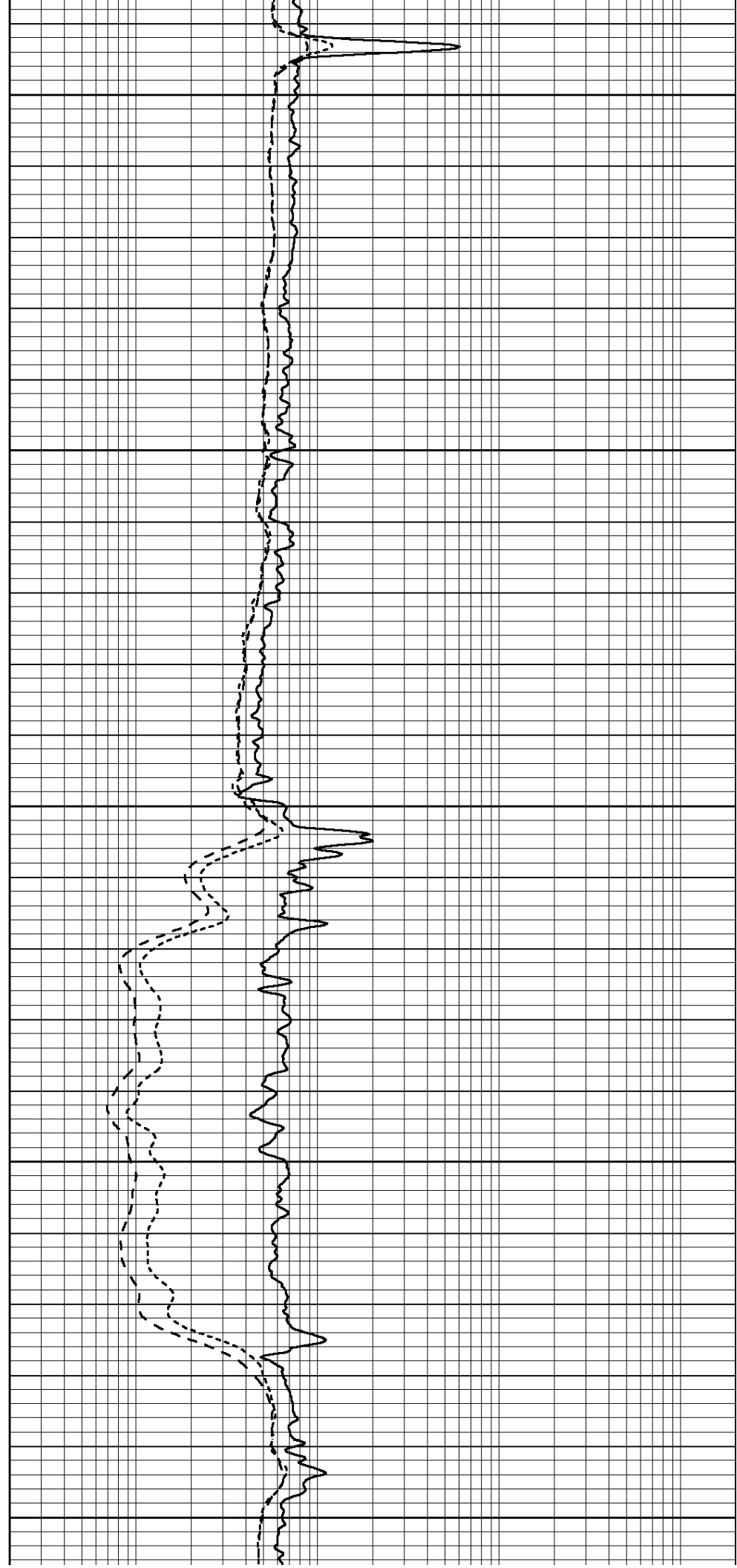
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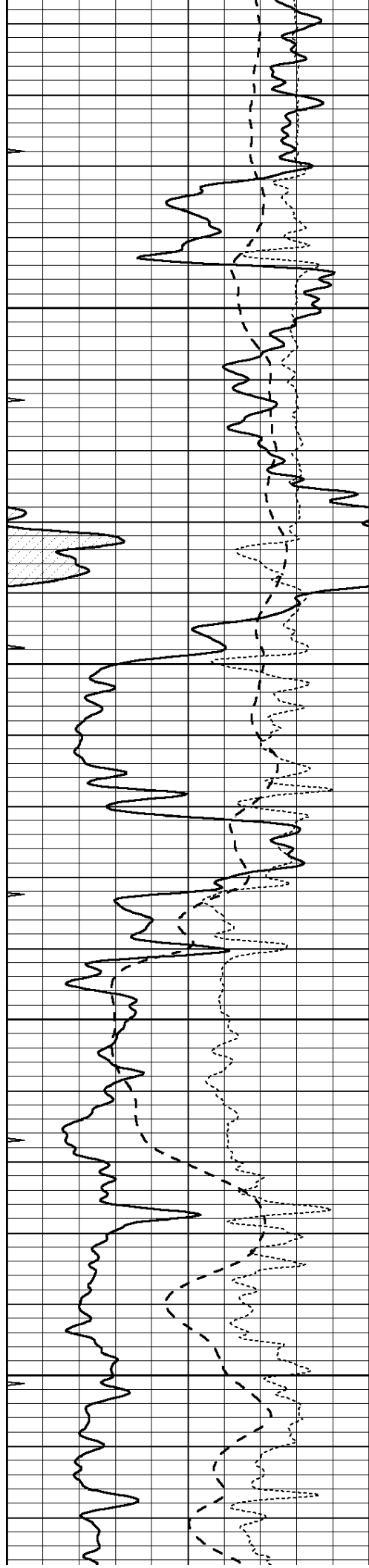
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4100

4150

4200



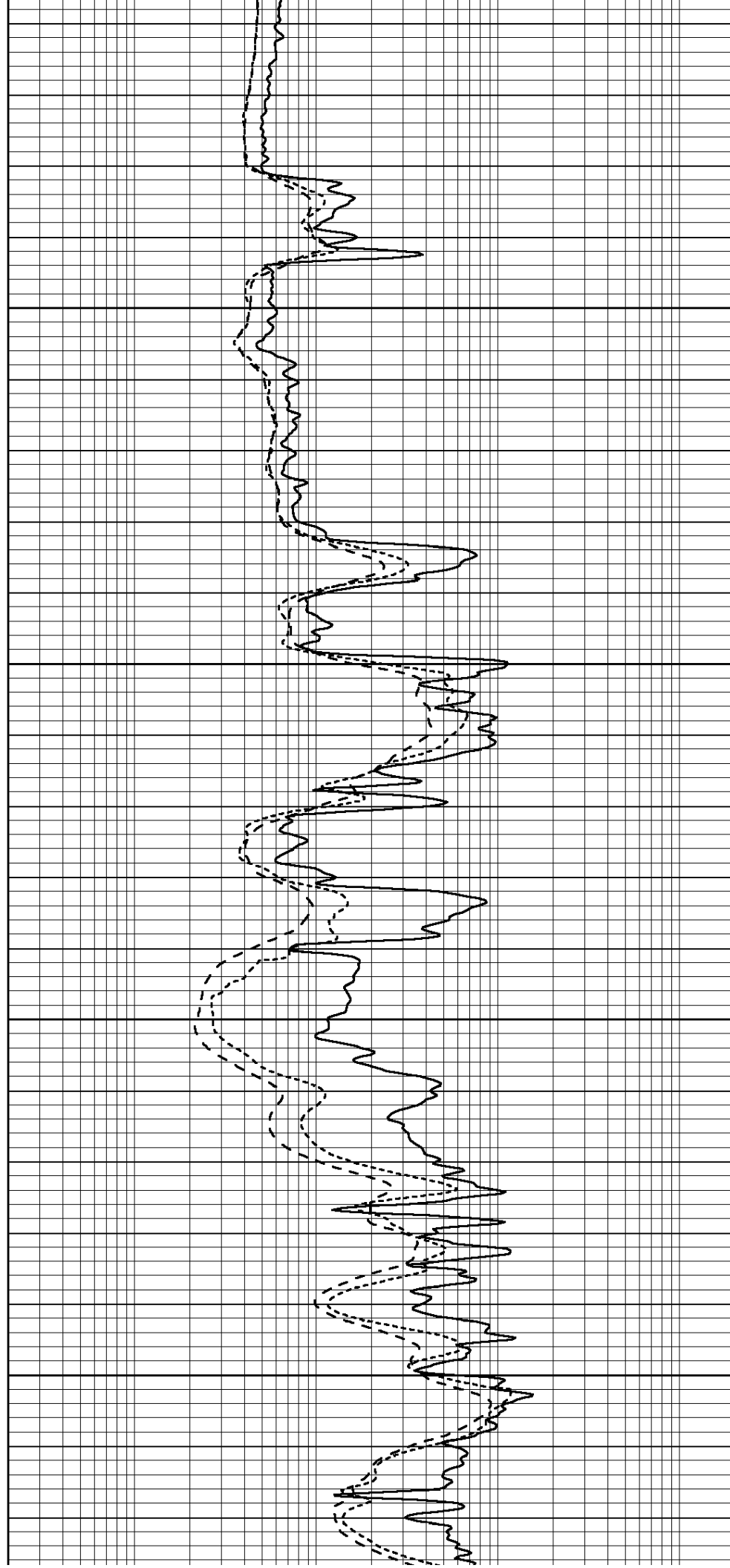


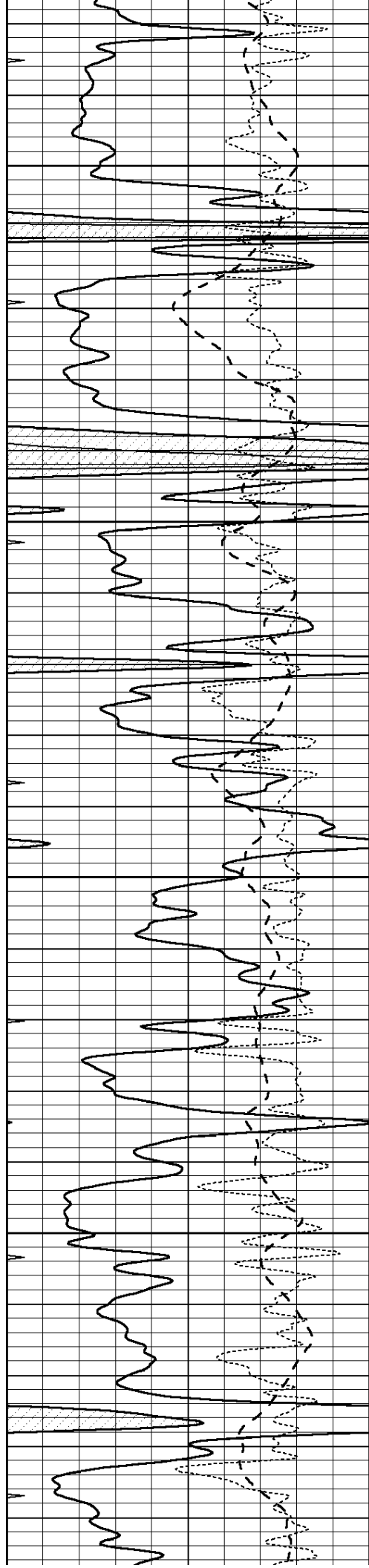
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4300

4350

4400



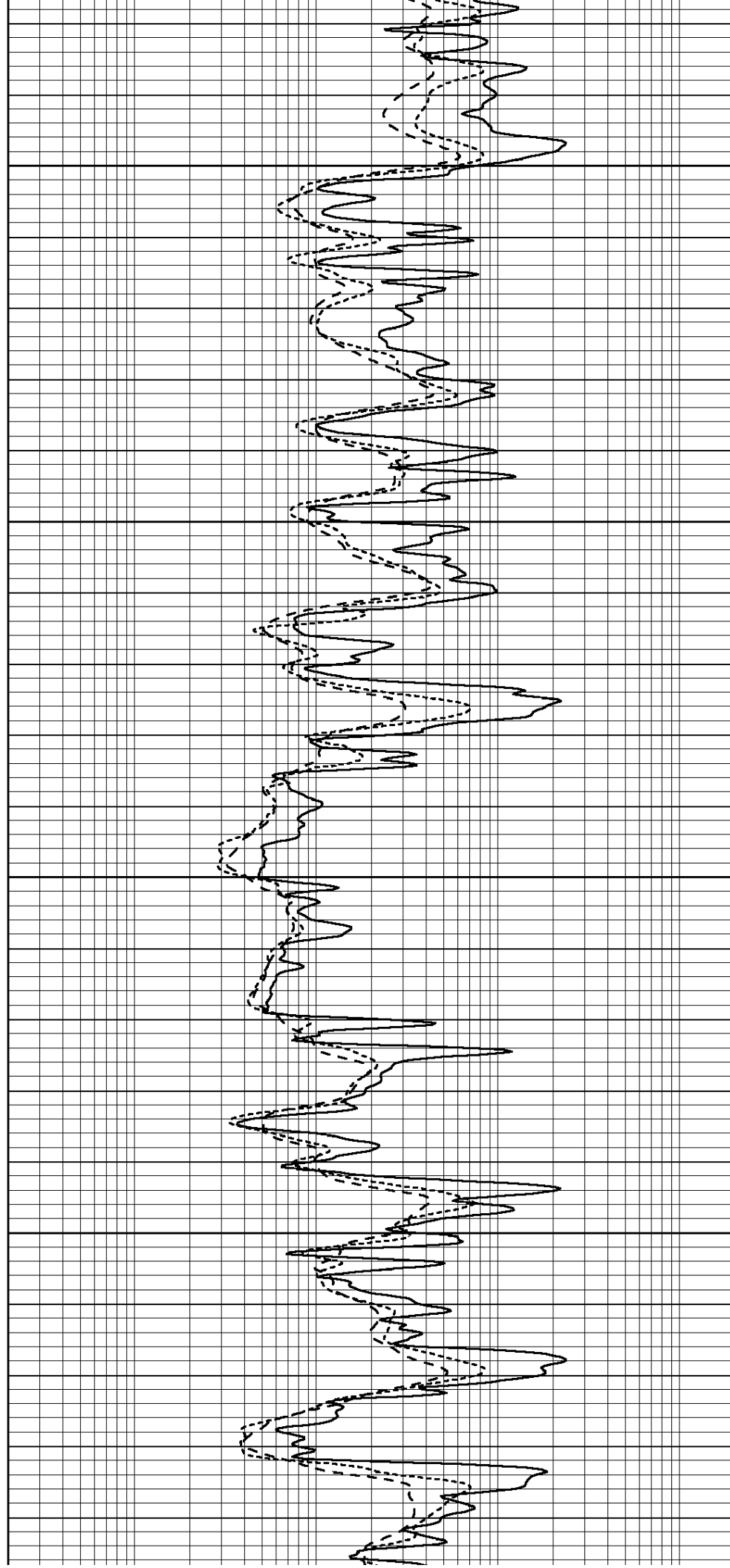


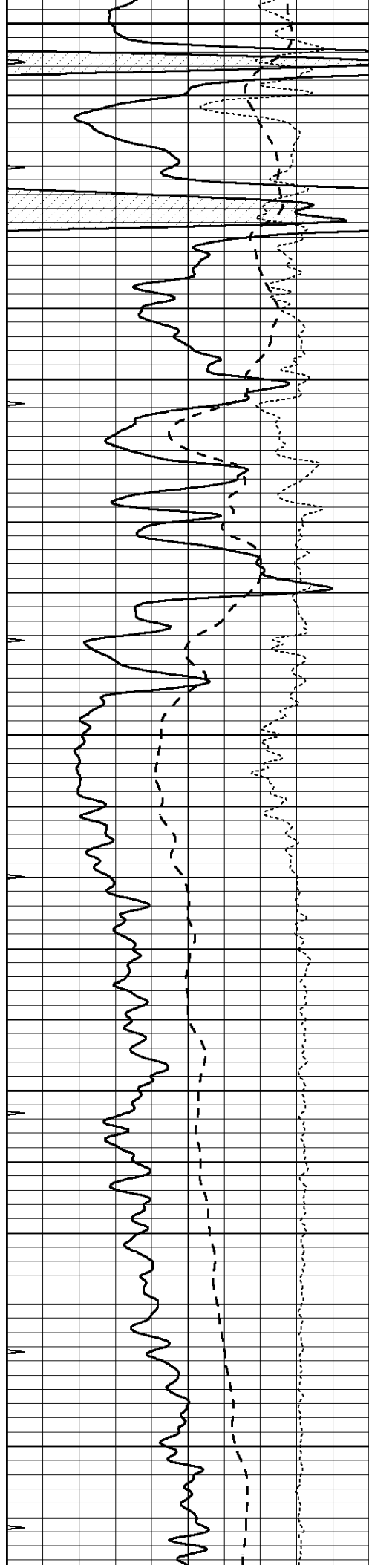
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4500

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4600





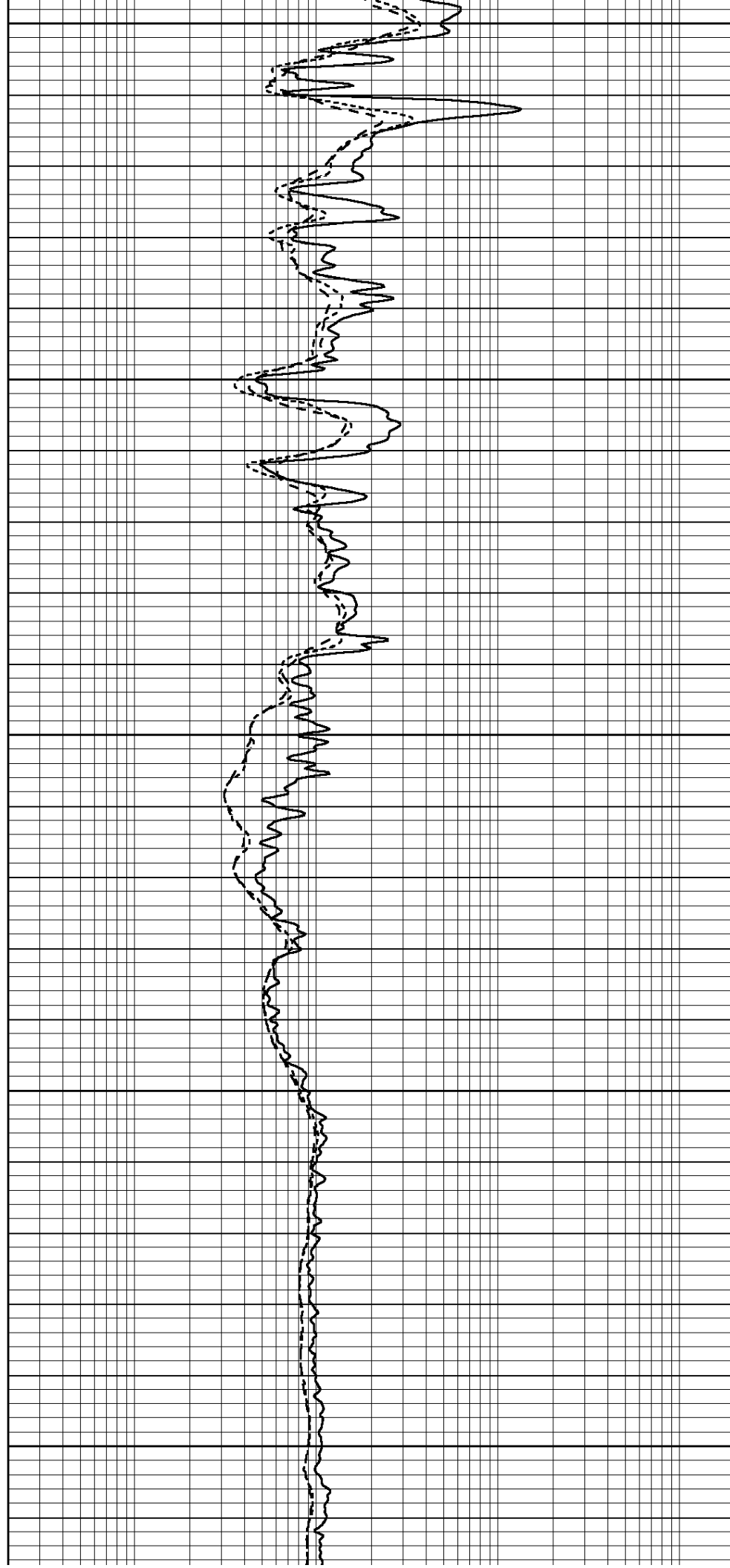
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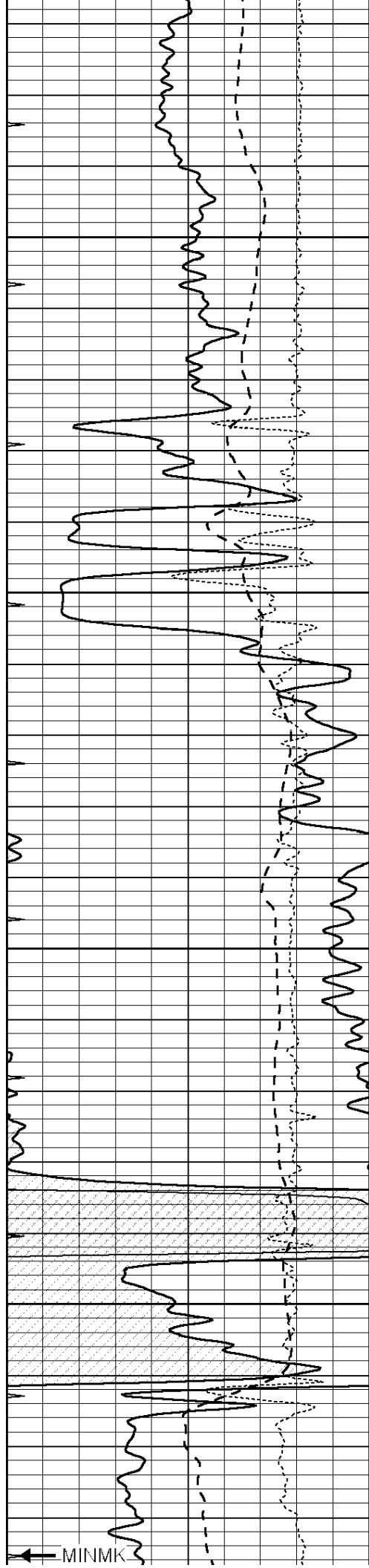
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4750

4800

4850



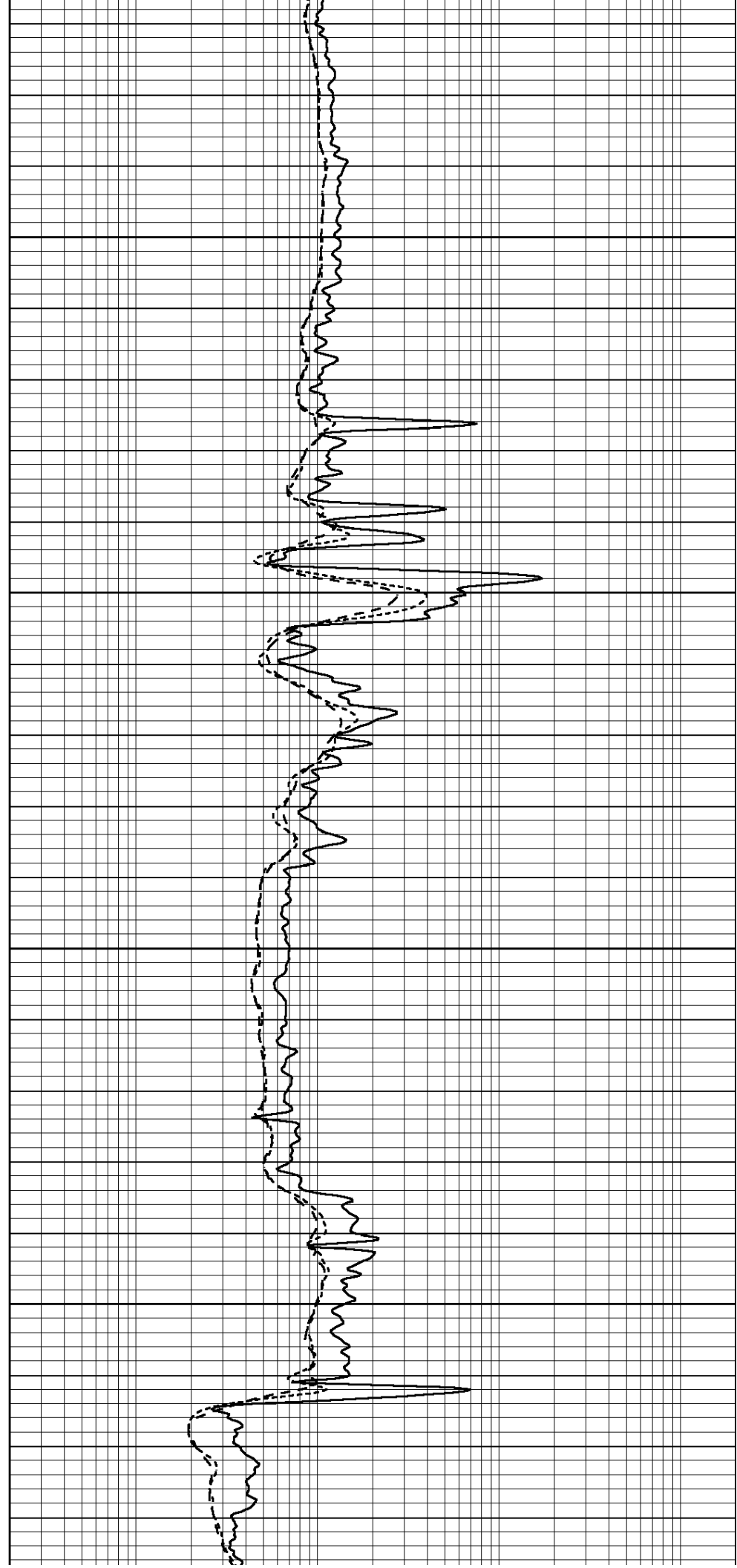


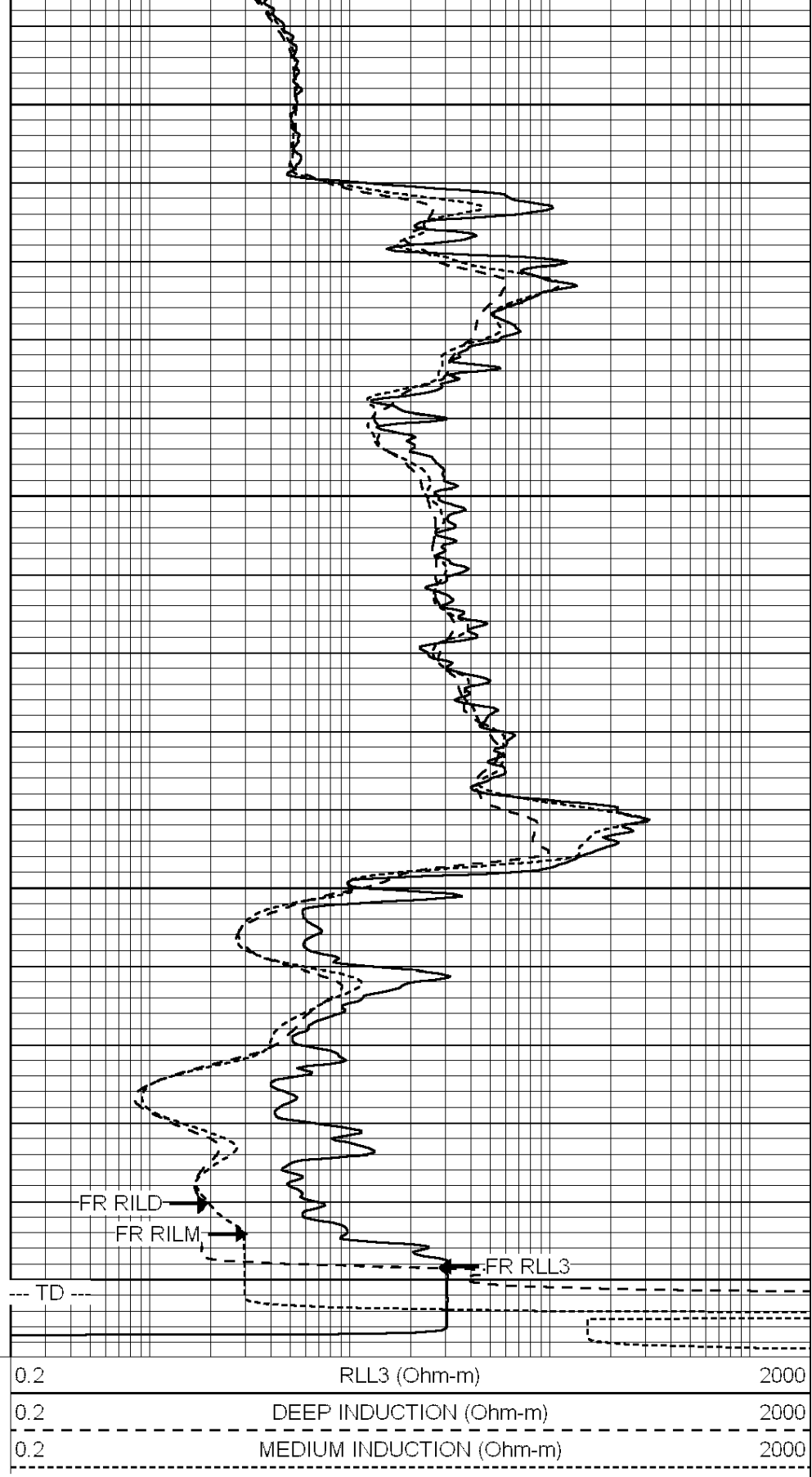
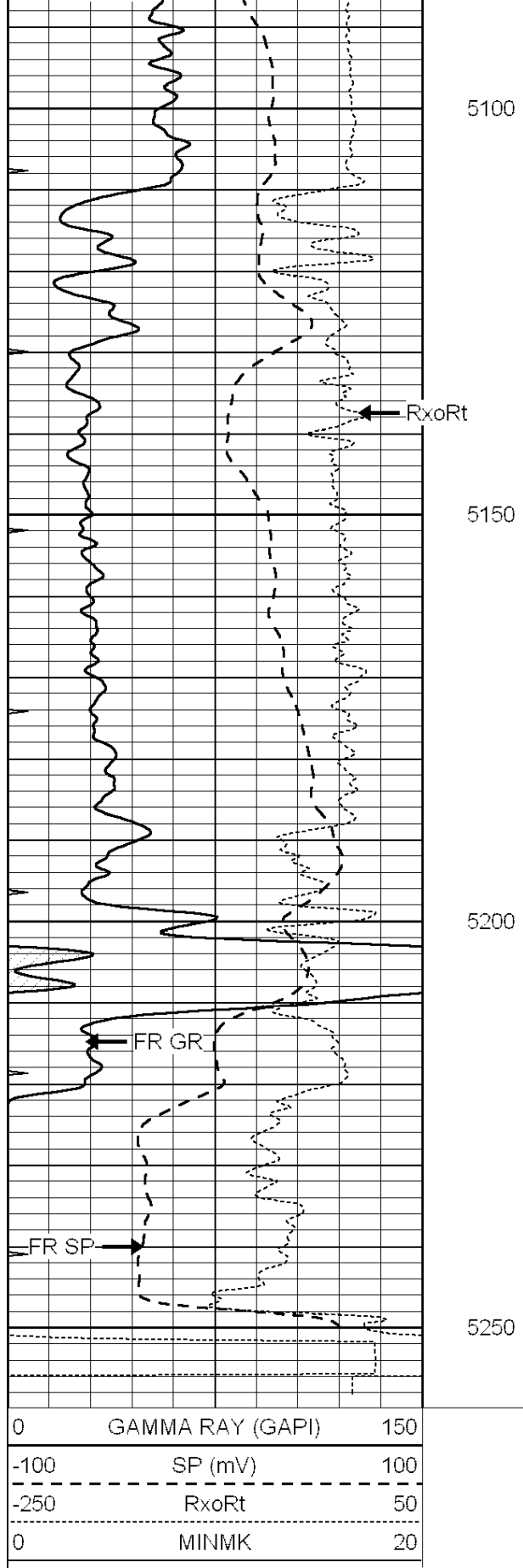
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4950

5000

5050





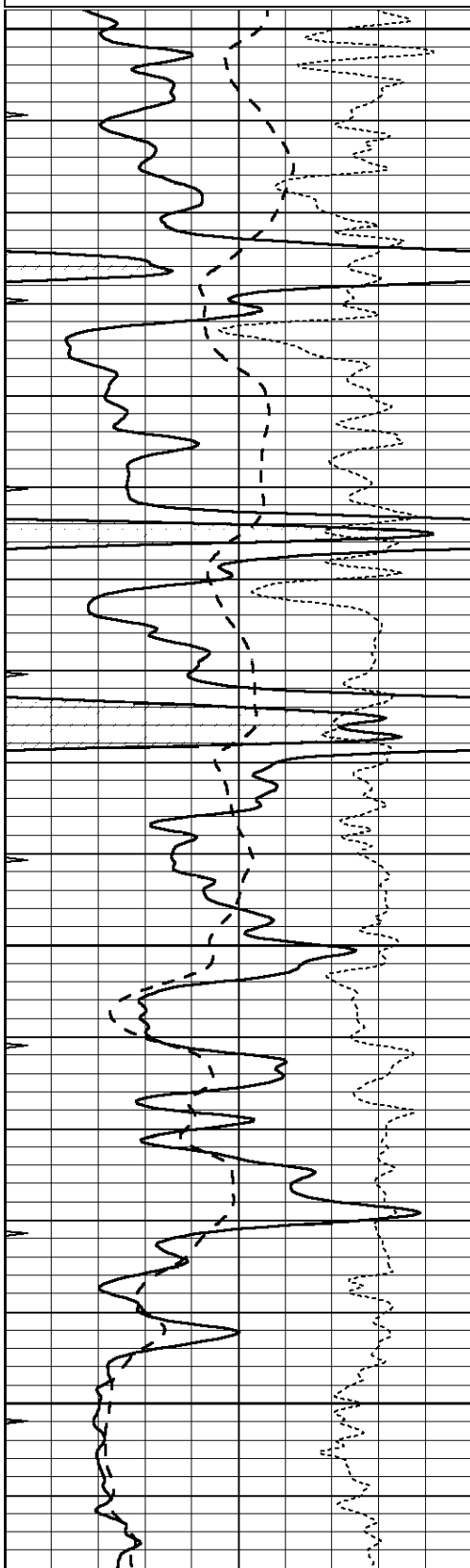
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 005692pdm.db
 Dataset Pathname: pass2.1
 Presentation Format: dil
 Dataset Creation: Wed Sep 29 03:06:15 2010 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

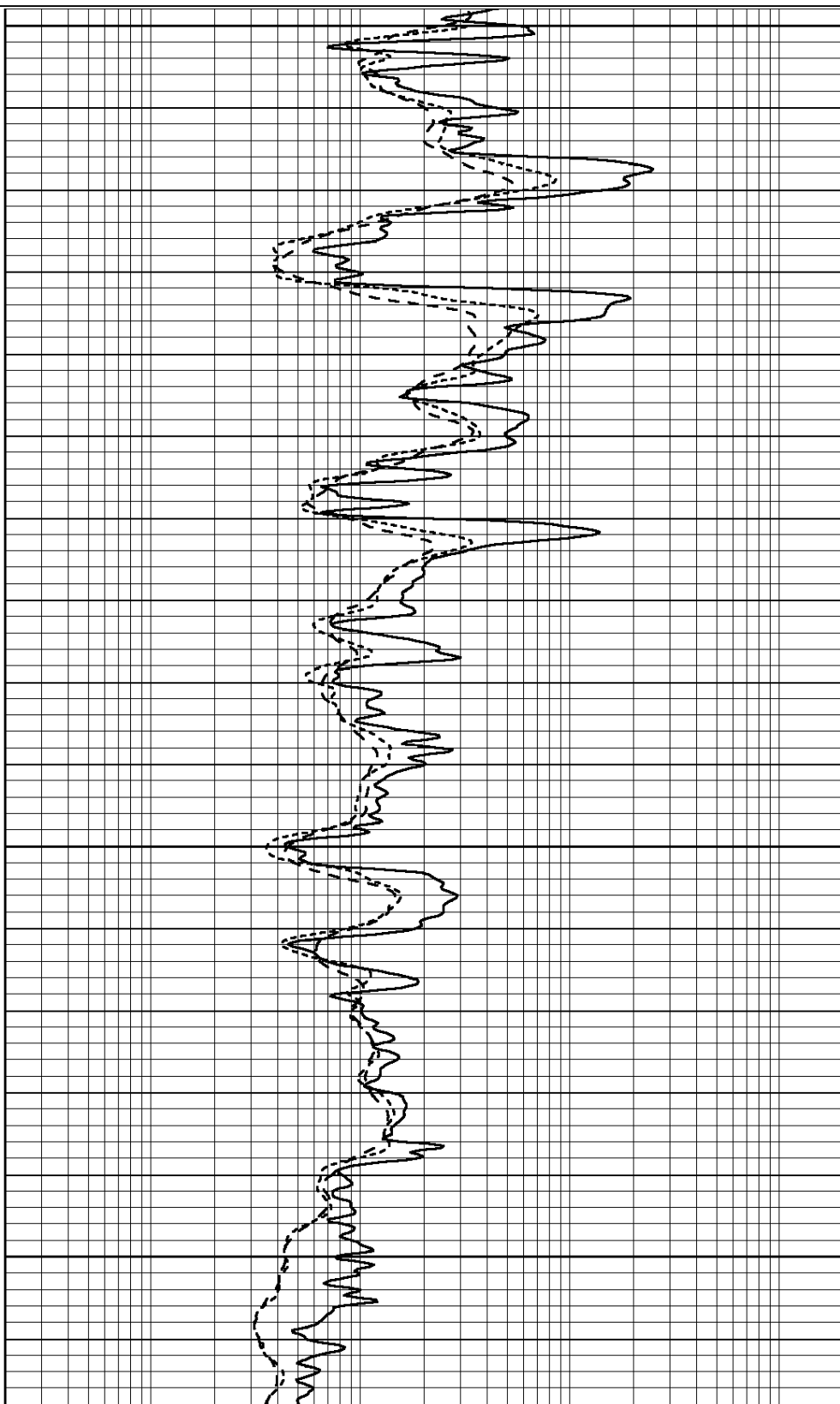


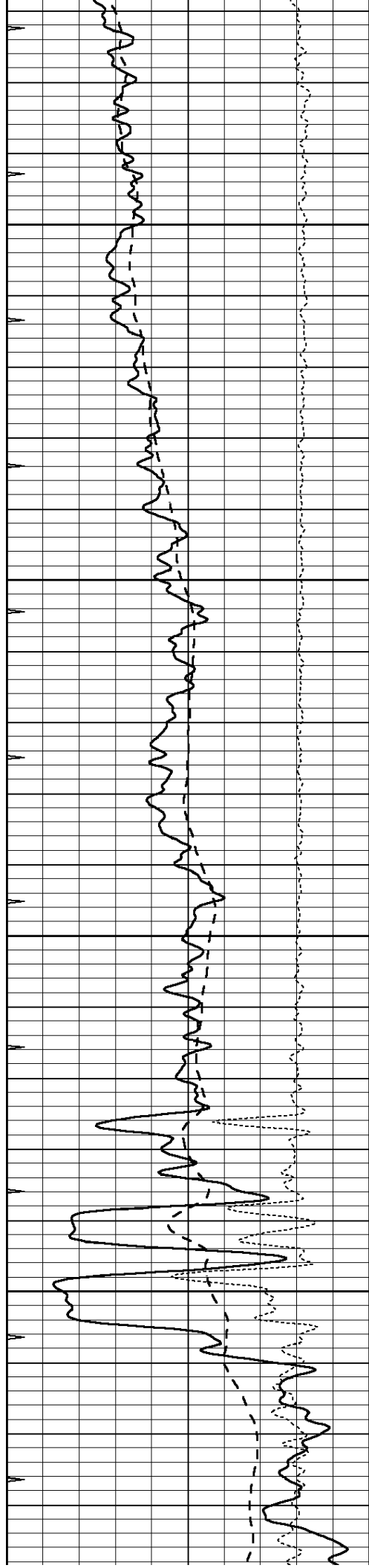
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4650

4700

4750



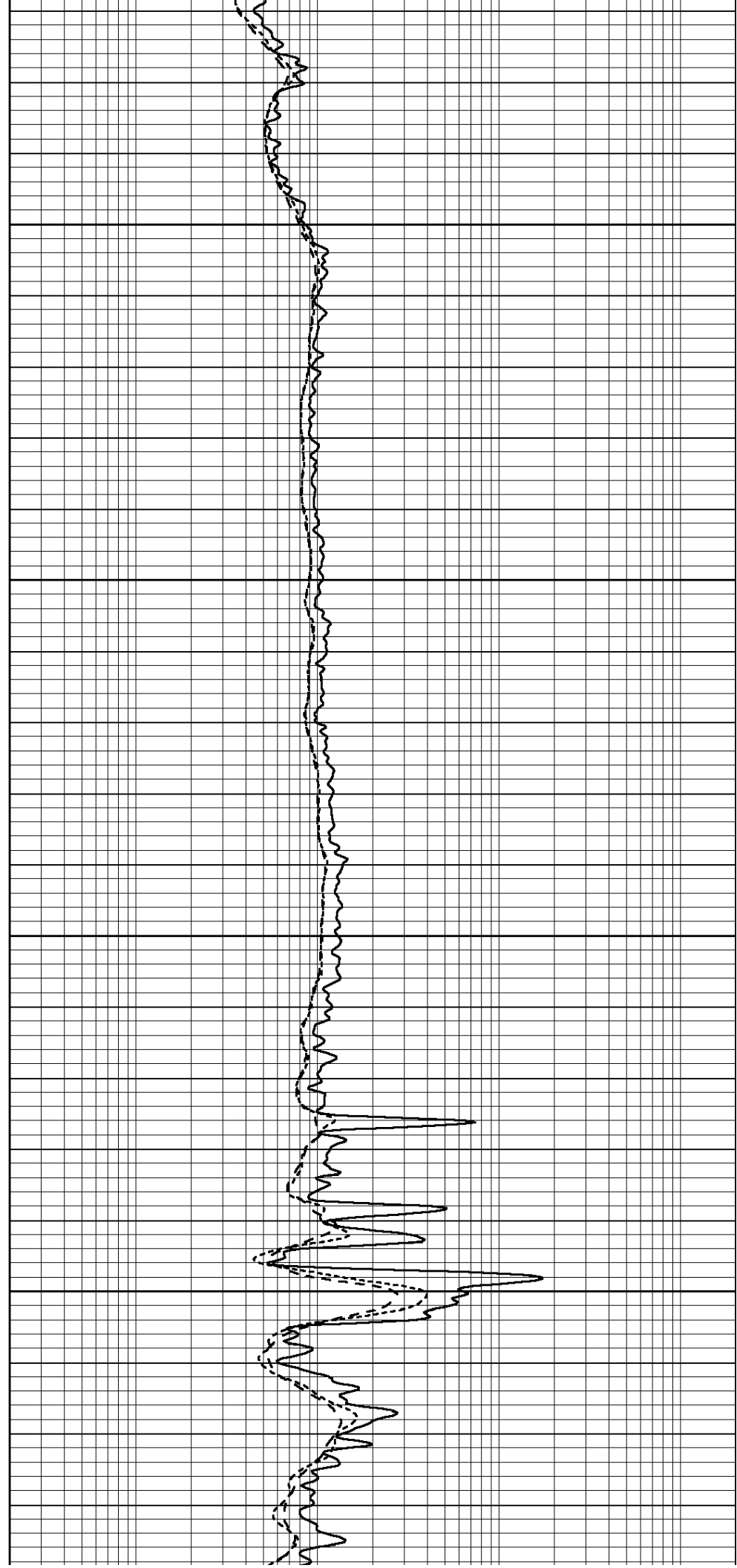


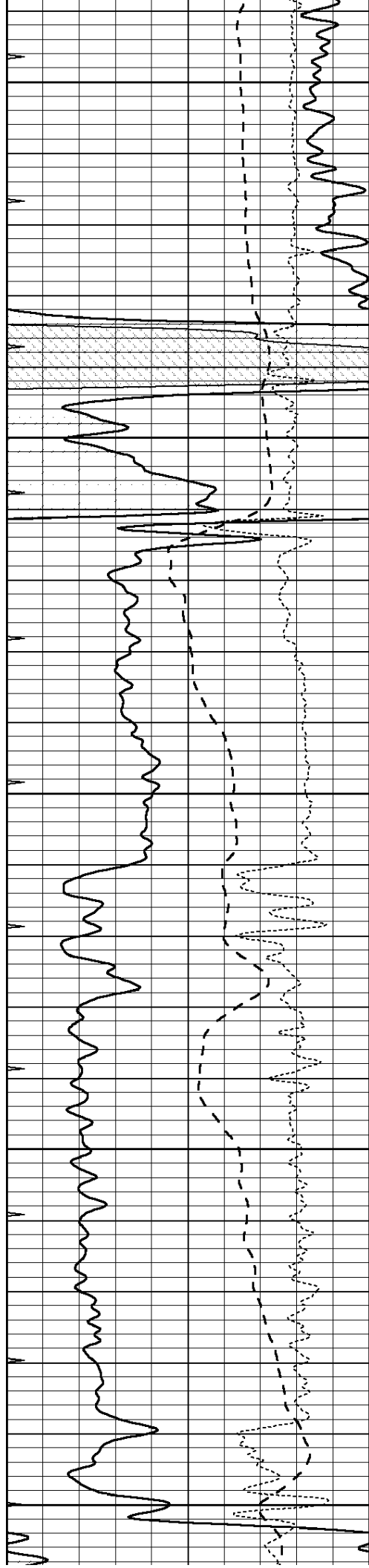
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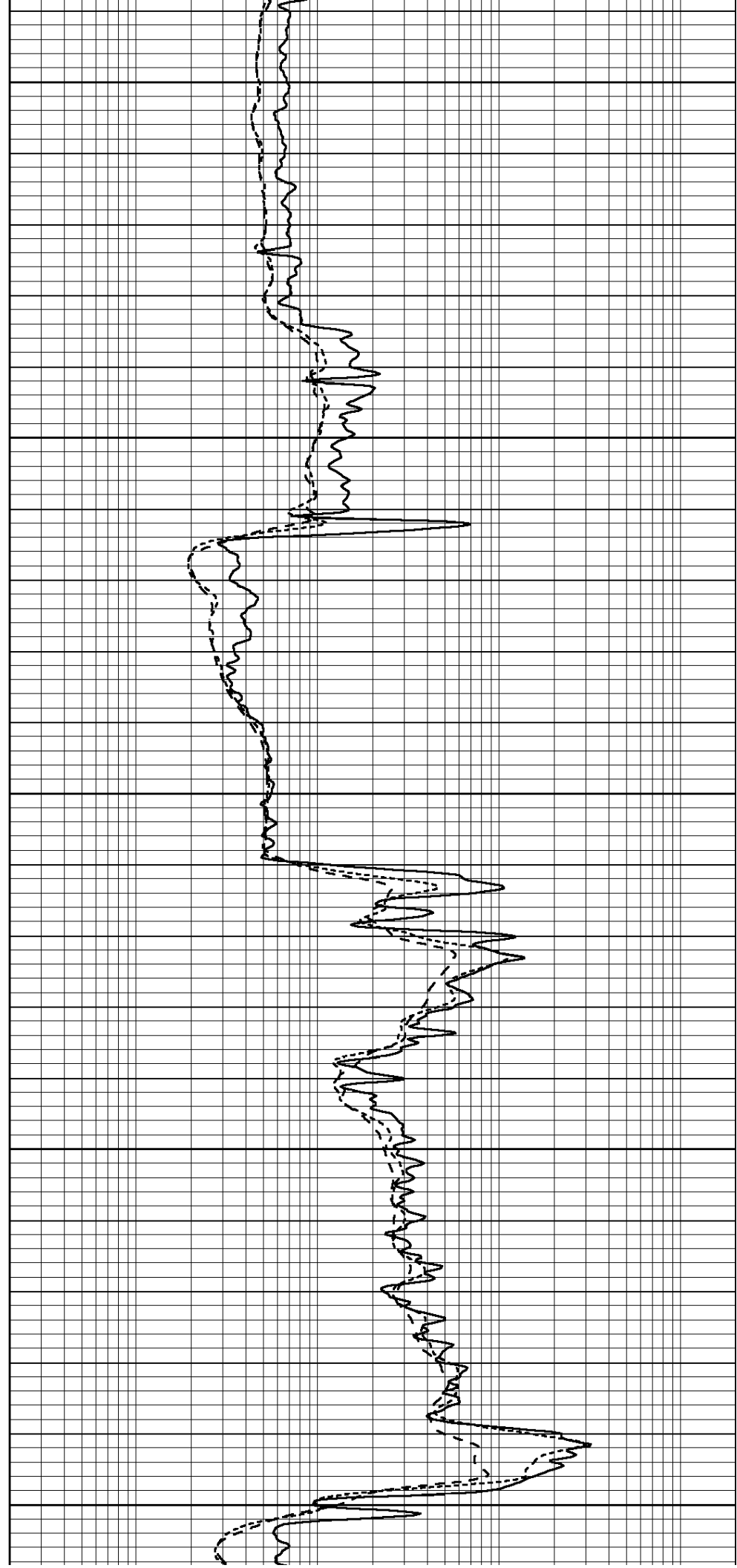
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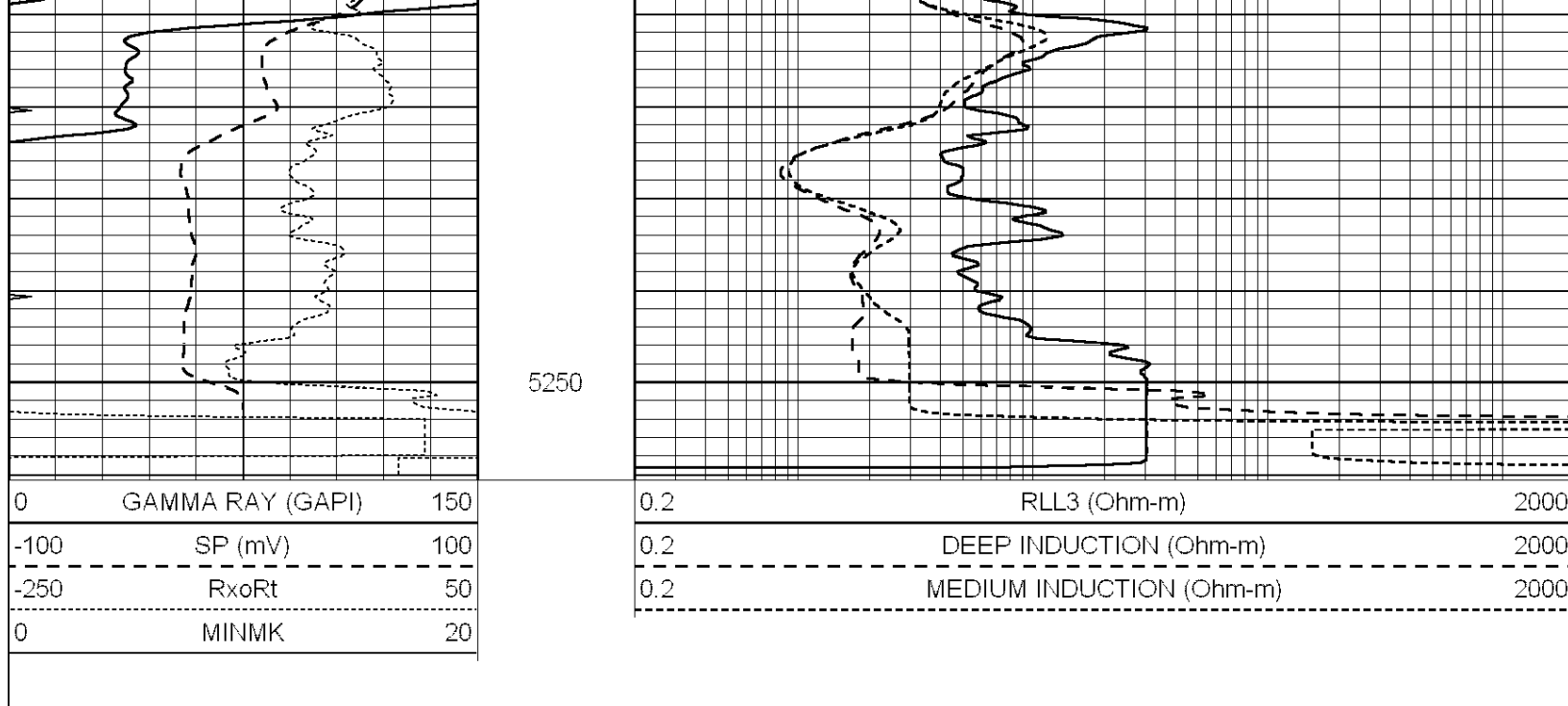
5050

5100

5150

5200





Calibration Report									
Database File:		005692pdm.db							
Dataset Pathname:		pass3.A							
Dataset Creation:		Wed Sep 29 05:19:51 2010							
Dual Induction Calibration Report									
Serial-Model: Performed:				DIL5-GEAR Wed Sep 29 02:55:38 2010					

Caliper	Readings	Reference	
Low Ref	2.8	7.4	
High Ref	4.8	14.0	
	Gain: 3.3		Offset: -1.6
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:	Wed Sep 29 03:17:16 2010	
	Calibrator Value:	1.0	GAPI
	Background Reading:	0.0	cps
	Calibrator Reading:	1.0	cps
	Sensitivity:	0.6500	GAPI/cps