



**SUPERIOR
Hays,
Kansas**

**DUAL
INDUCTION
LOG**

Company	VINCENT OIL CORPORATION		
Well	IMEL-ROTZ UNIT #1-5		
Field	KINGSDOWN NORTHWEST		
County	FORD		
State	KANSAS		
Location:	API # : 15-057-20795 1060' FSL & 2545' FWL		
Permanent Datum	GROUND LEVEL	Elevation	2503
Log Measured From	KELLY BUSHING 10' A.G.L.	K.B.	2513
Drilling Measured From	KELLY BUSHING	D.F.	
		G.L.	2503
Date	4-22-12		
Run Number	ONE		
Depth Driller	5420		
Depth Logger	5420		
Bottom Logged Interval	5418		
Top Log Interval	00		
Casing Driller	695		
Casing Logger	695		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0 / 49		
pH / Fluid Loss	10.5 / 14.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.38 @ 86F		
Rmf @ Meas. Temp	0.29 @ 86F		
Rmc @ Meas. Temp	0.46 @ 86F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.290 @ 129F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	6:00 A.M.		
Maximum Recorded Temperature	129F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	TOM DUDGEON	JIM HALL	

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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: KINGSDOWN, 2N, 1E, N INTO.

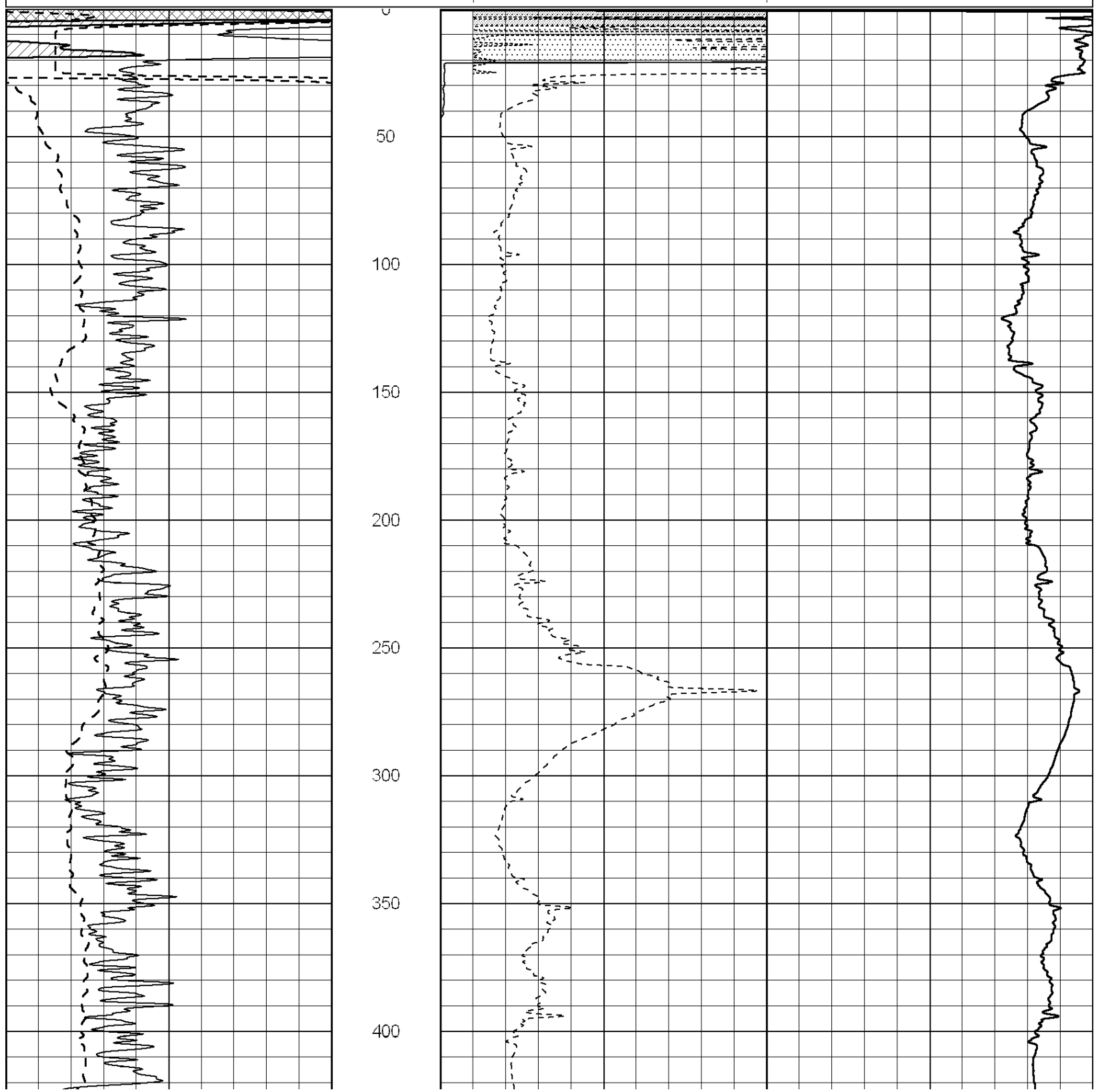


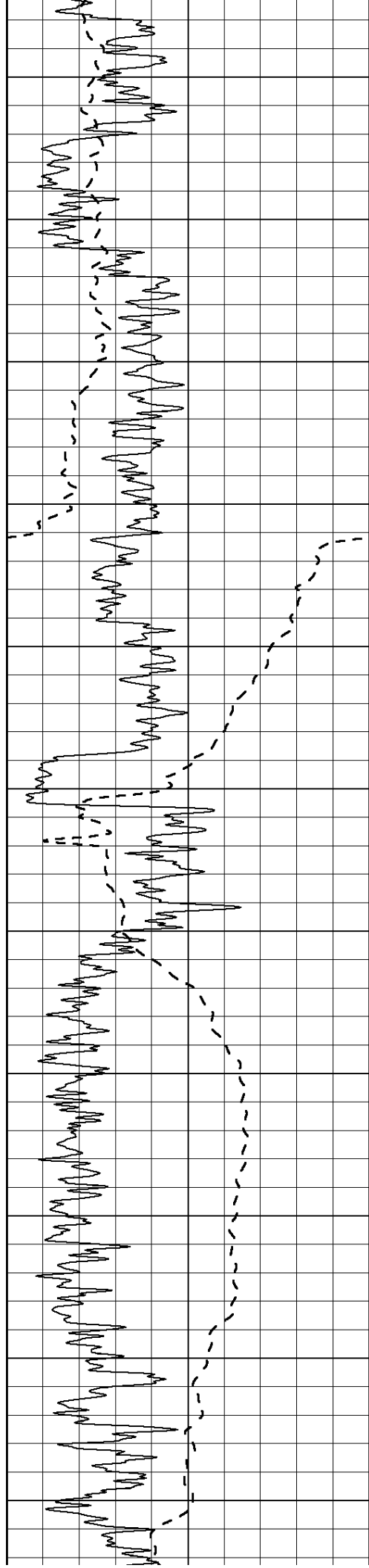
**SUPERIOR
Hays,
Kansas**

MAIN SECTION

Database File: 008722pdr.db
 Dataset Pathname: pass3.A
 Presentation Format: dil2
 Dataset Creation: Sun Apr 22 08:34:13 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	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

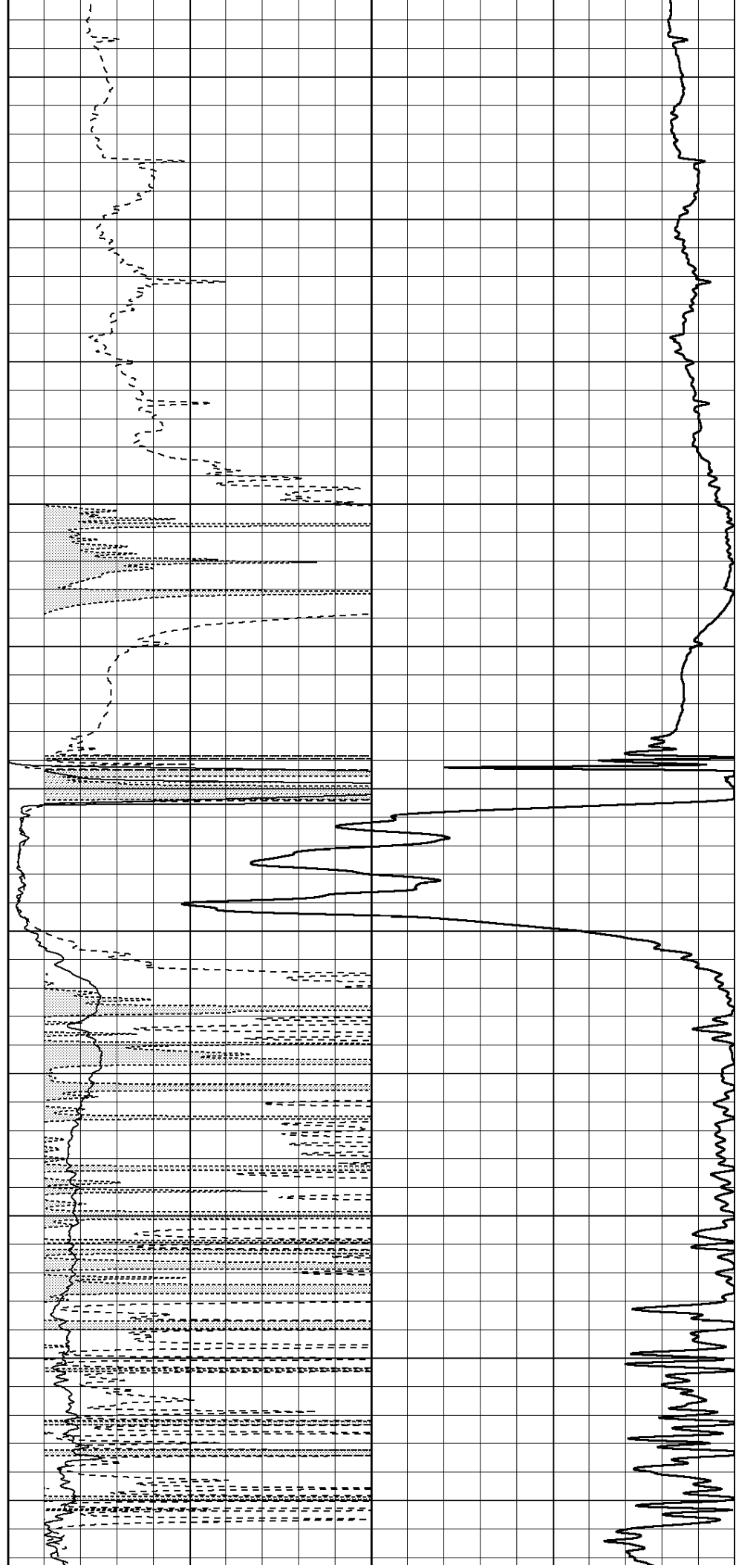
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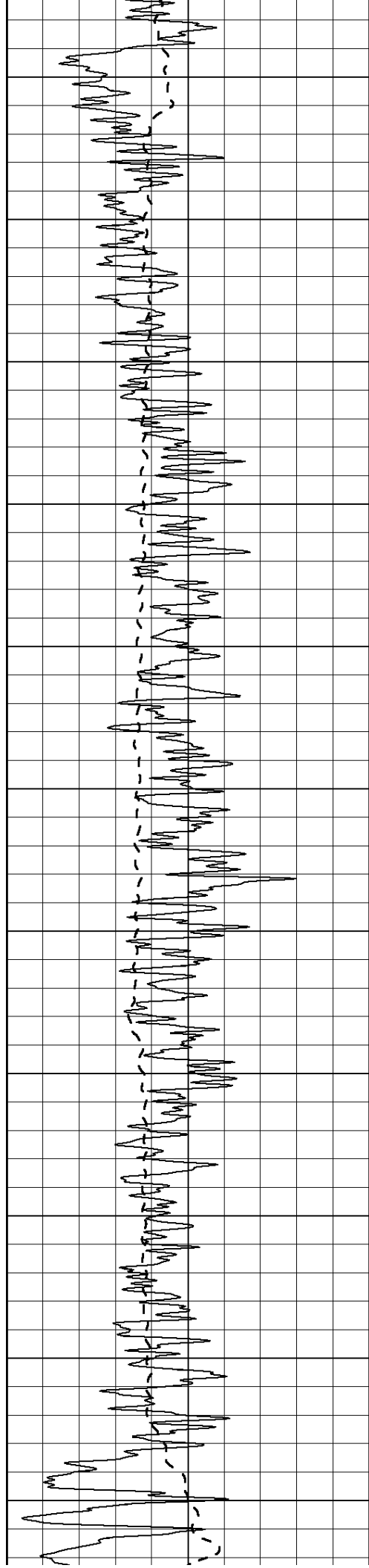
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850

900

950





1000

1050

1100

1150

1200

1250

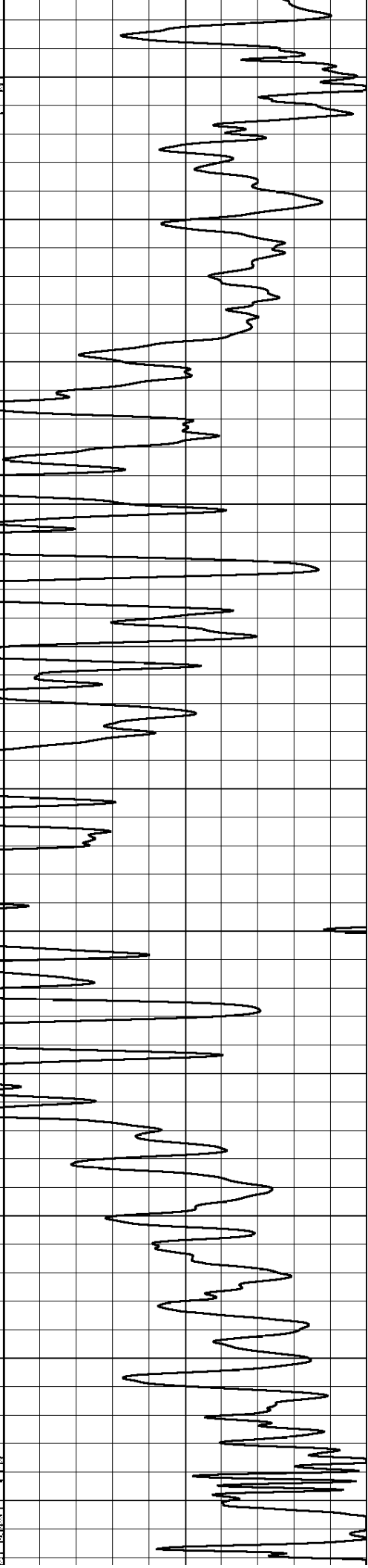
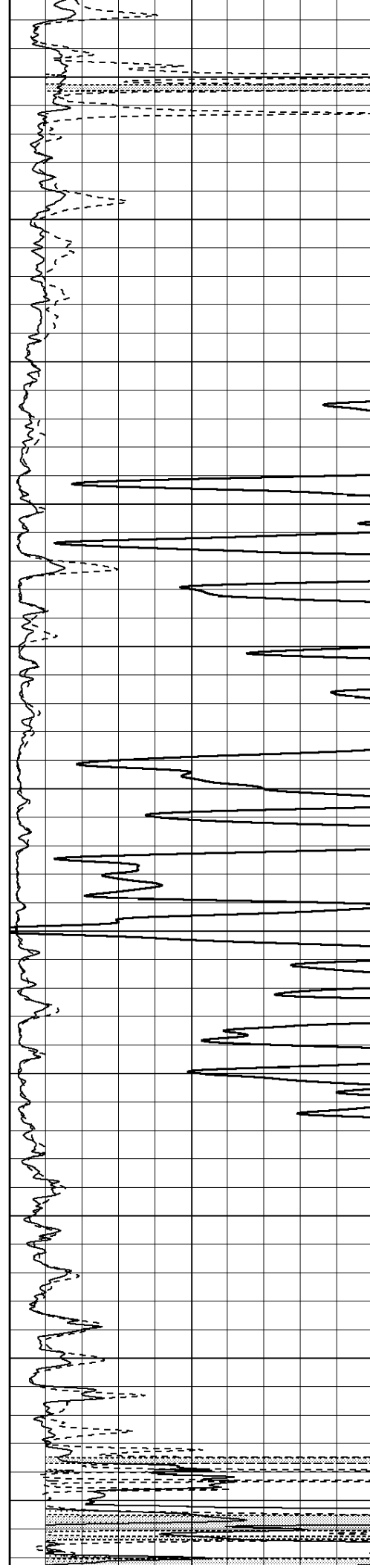
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1400

1450

1500



1550

1600

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1750

1800

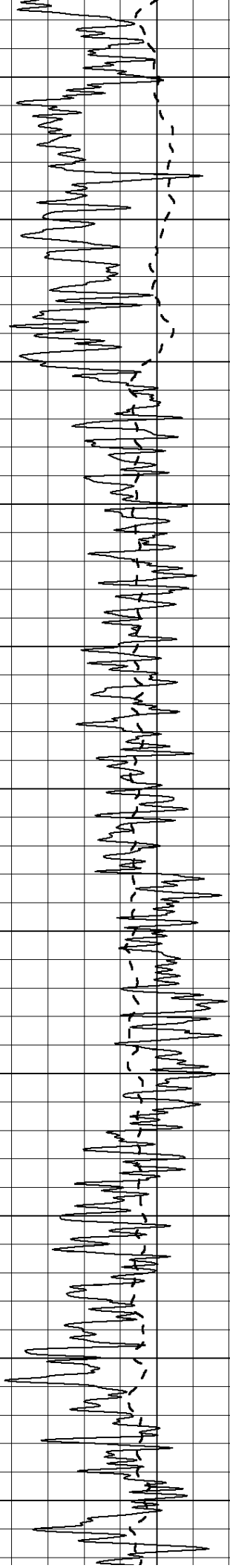
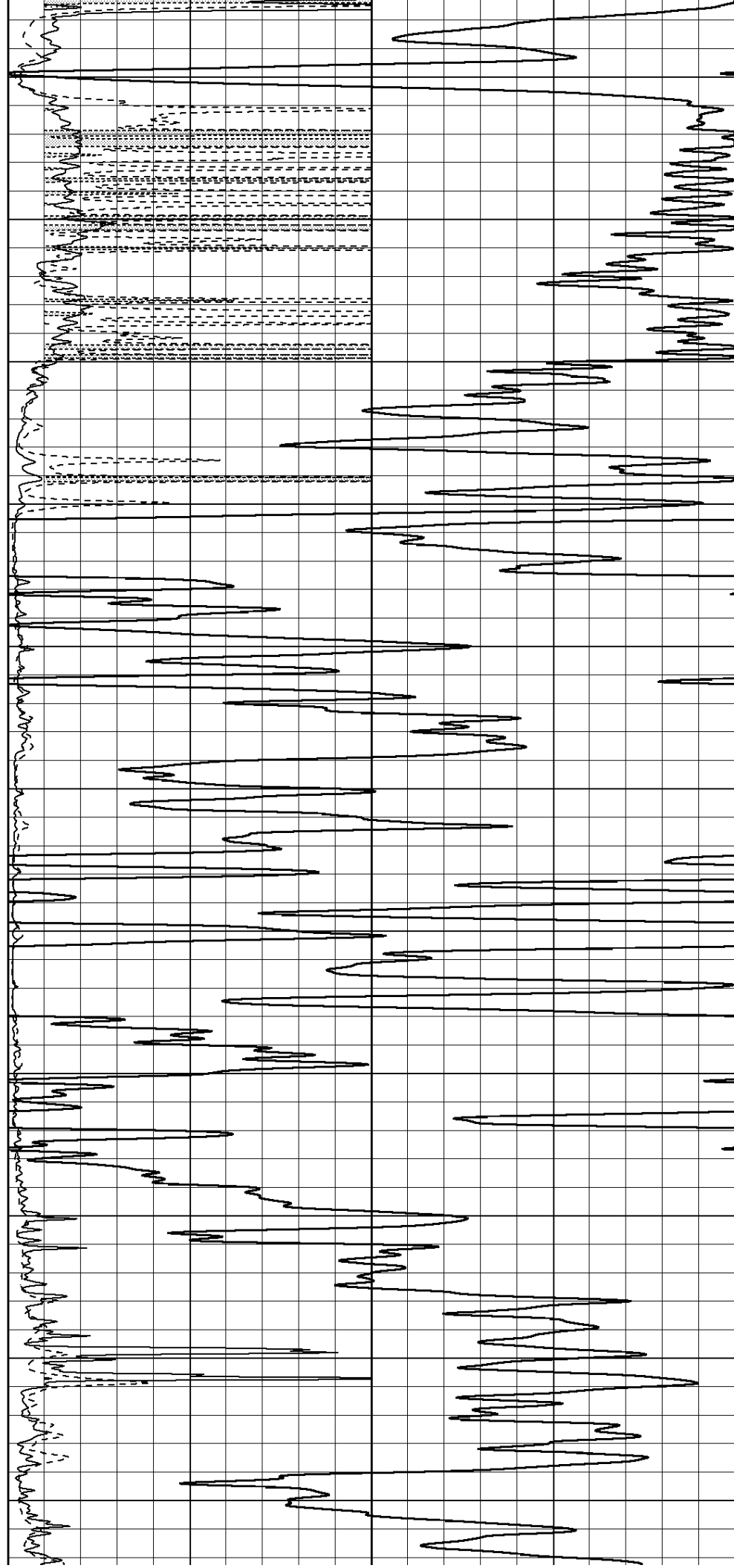
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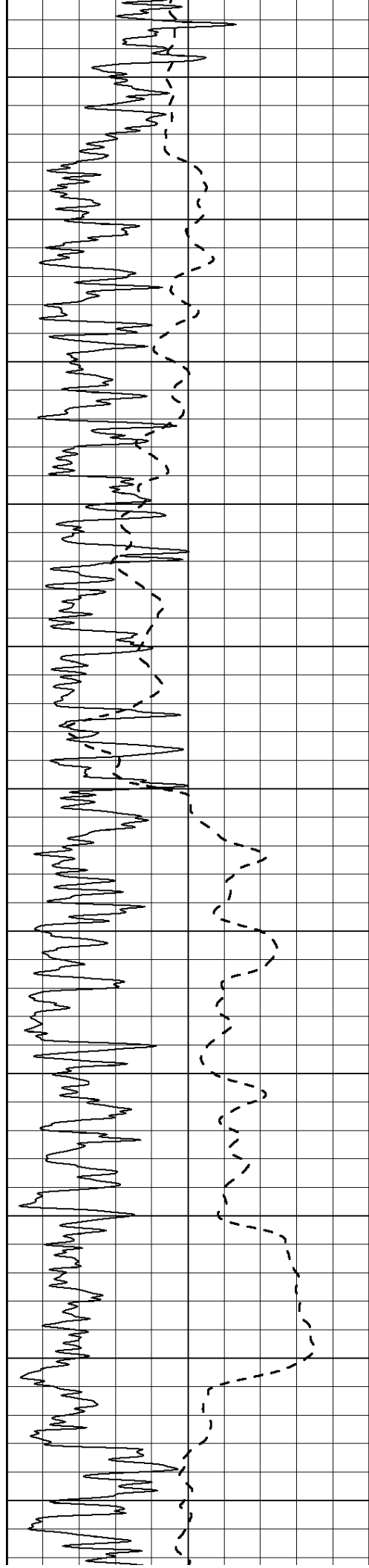
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2000

2050





2100

2150

2200

2250

2300

2350

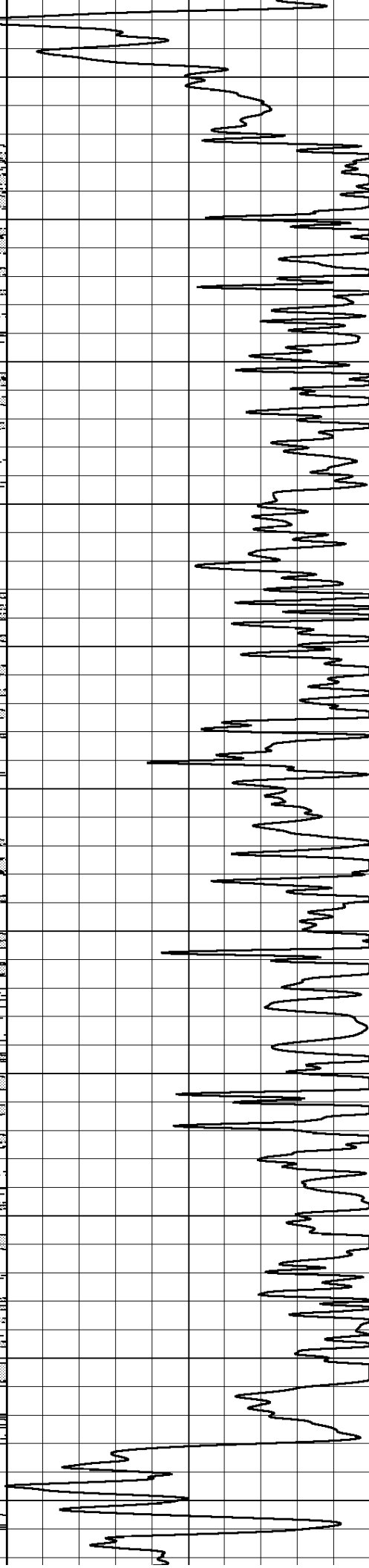
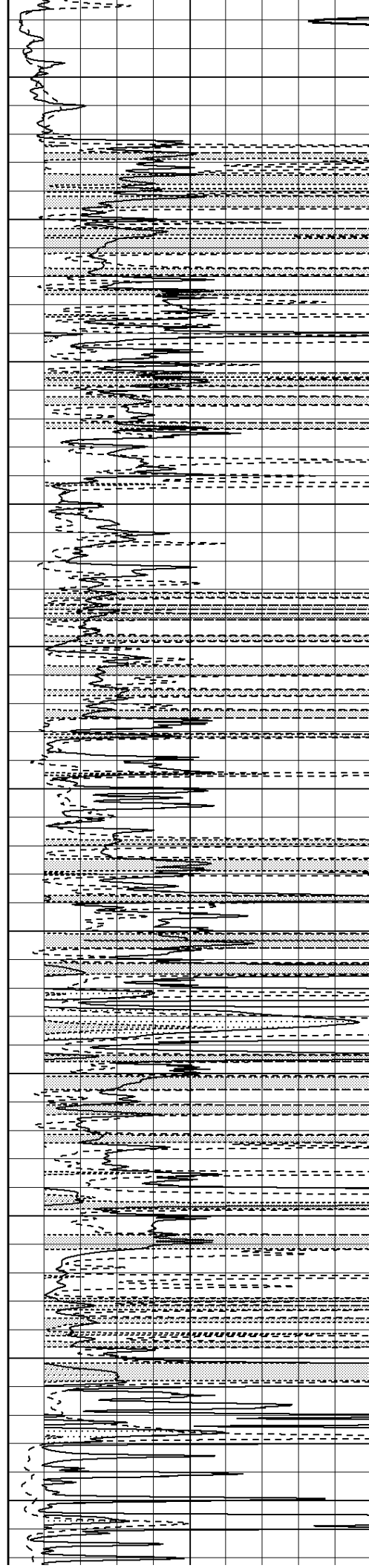
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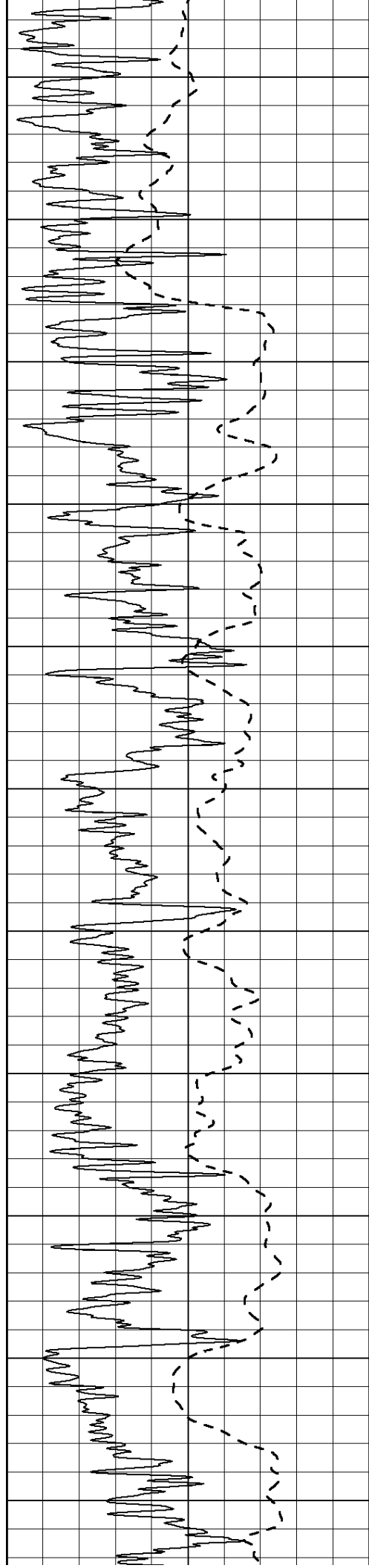
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2550

2600





2650

2700

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2800

2850

2900

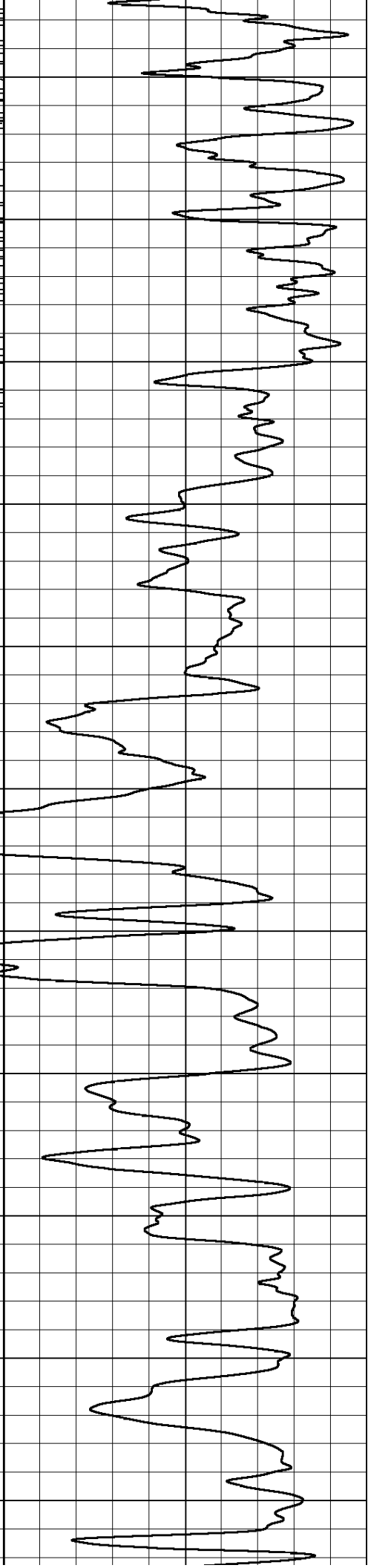
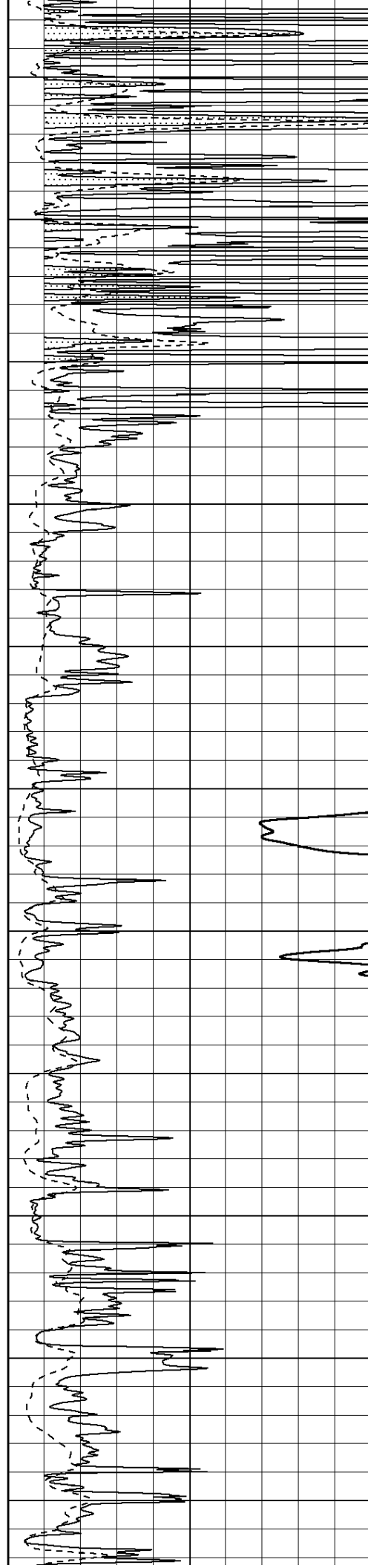
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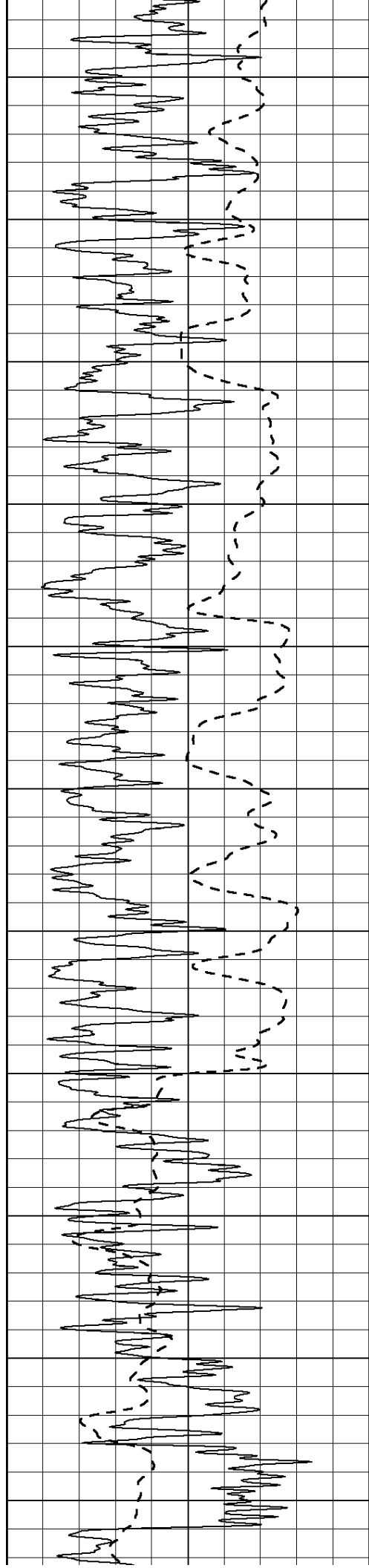
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3150





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3250

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3400

3450

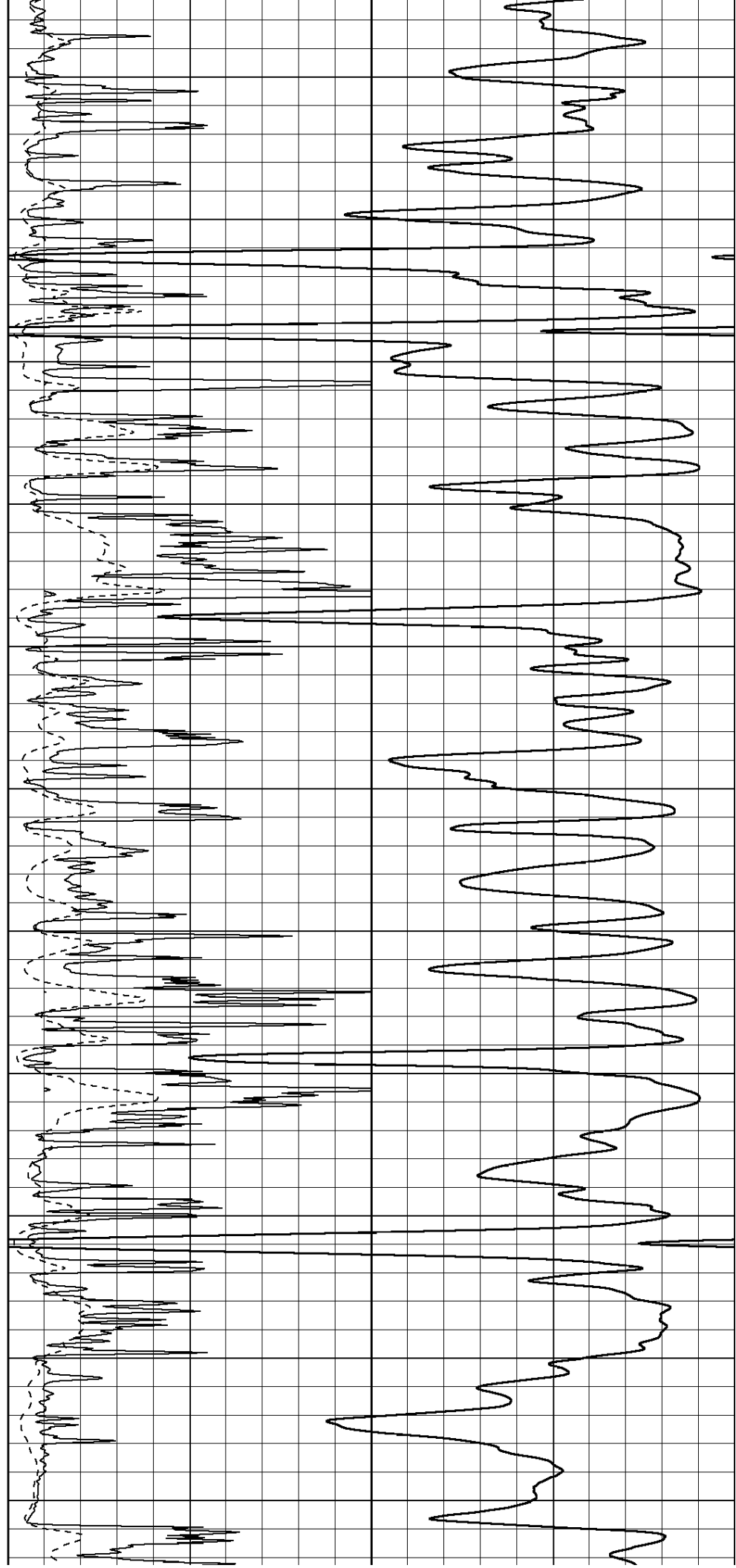
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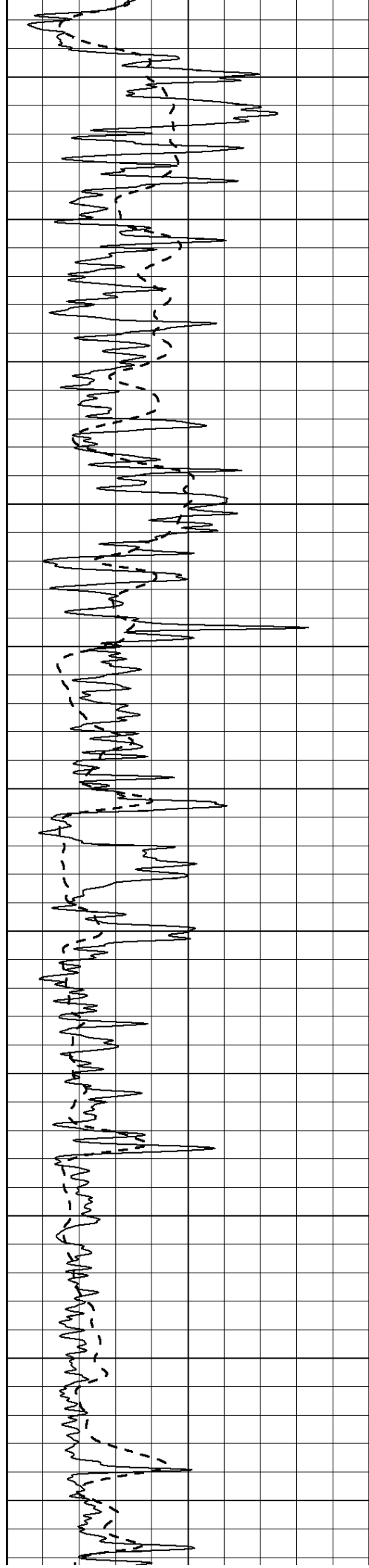
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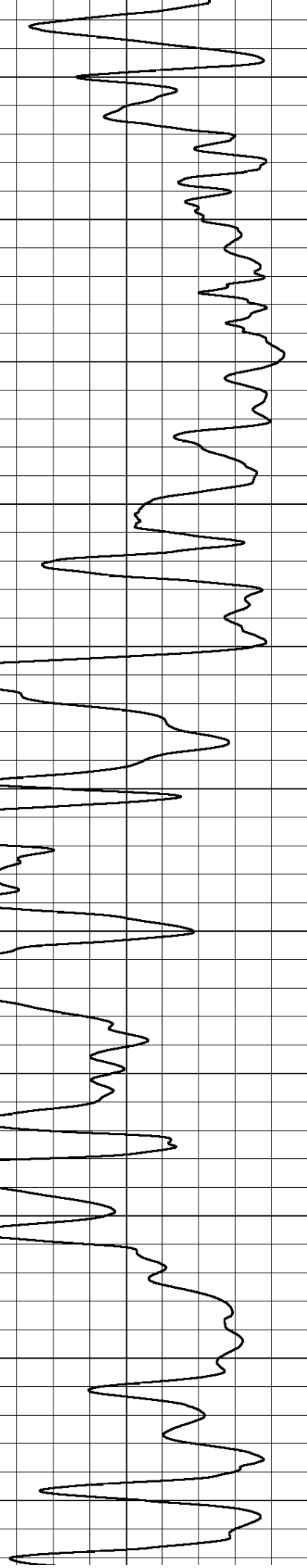
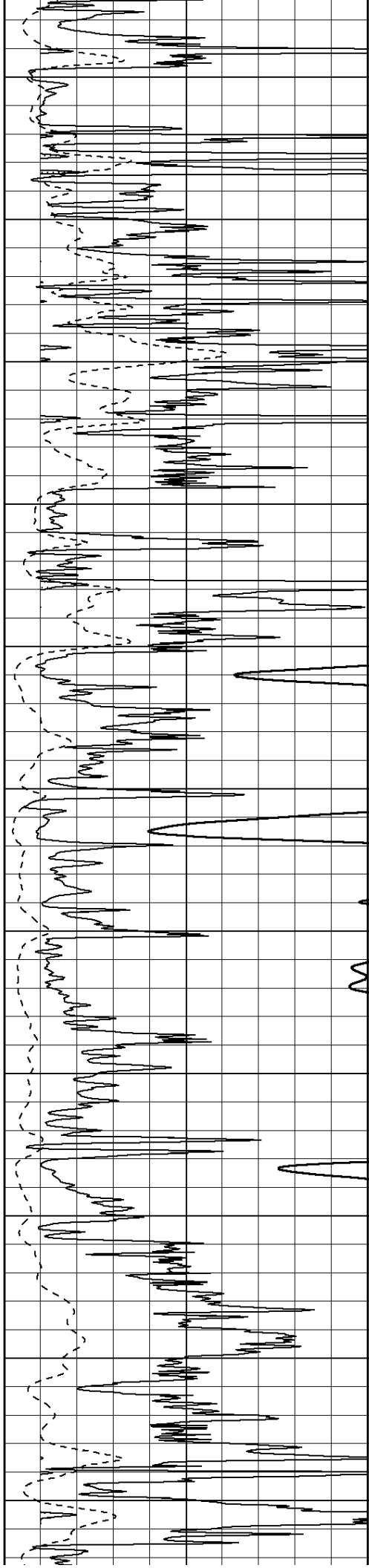
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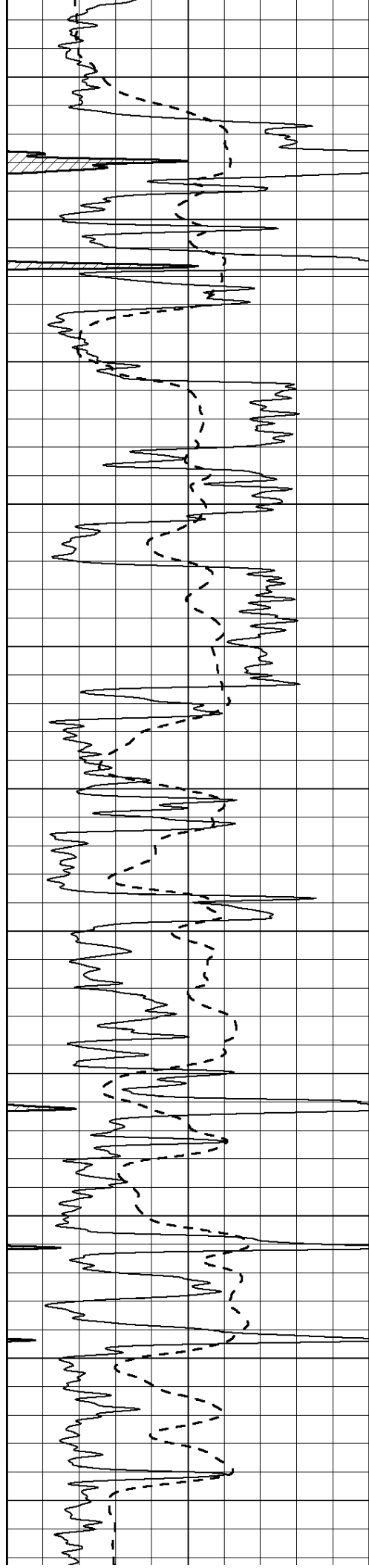
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4250





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4500

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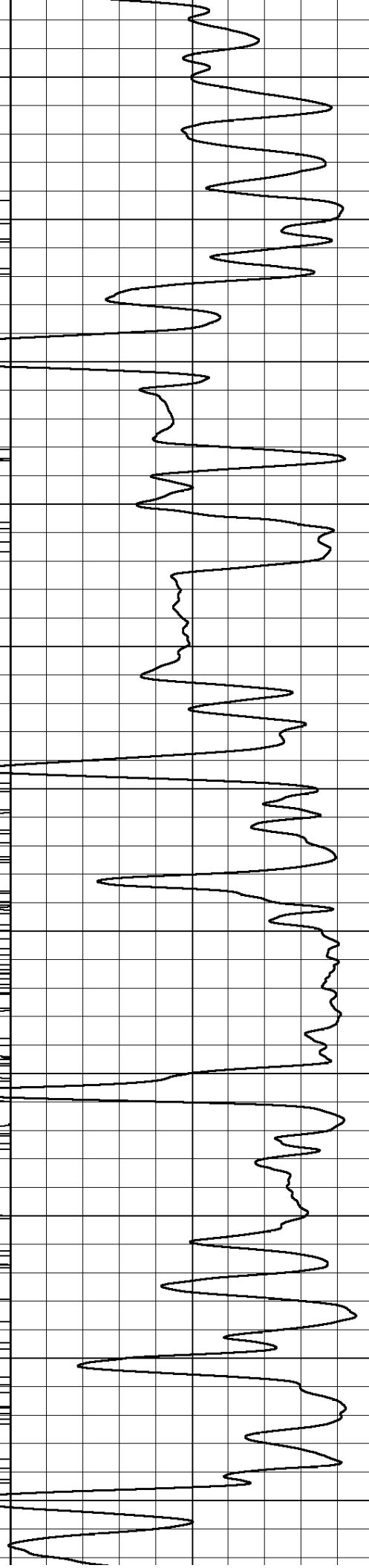
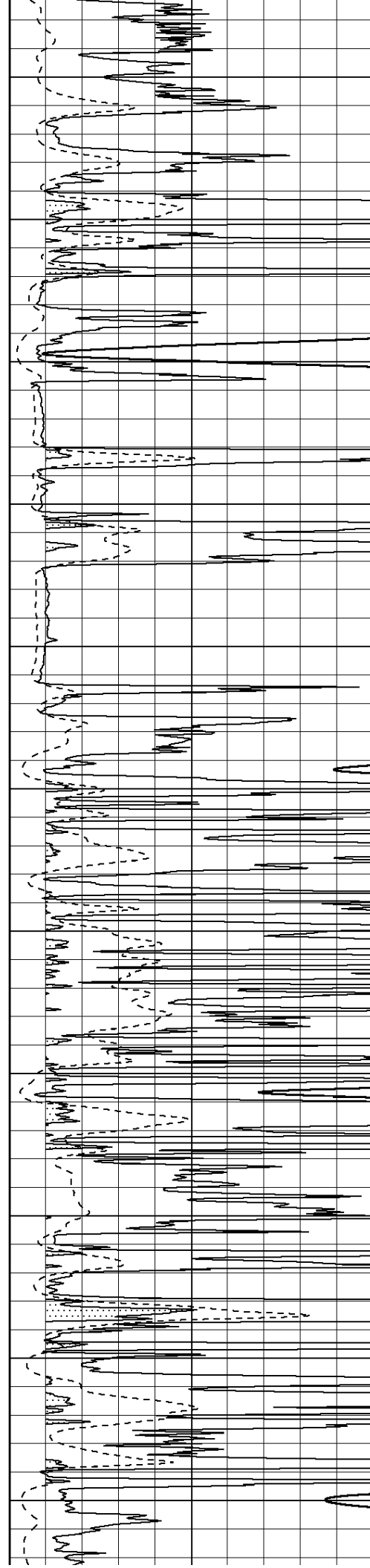
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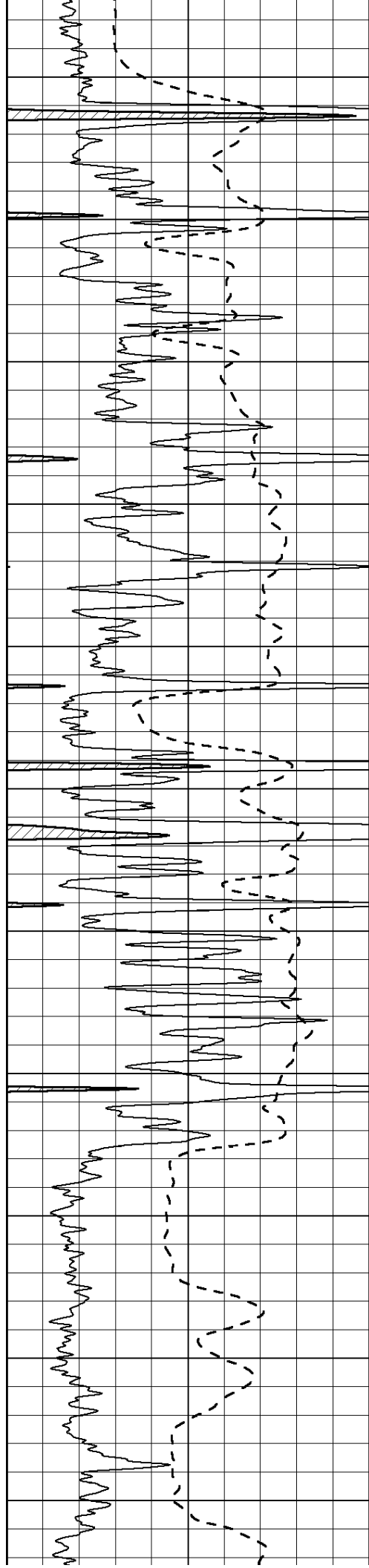
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5100

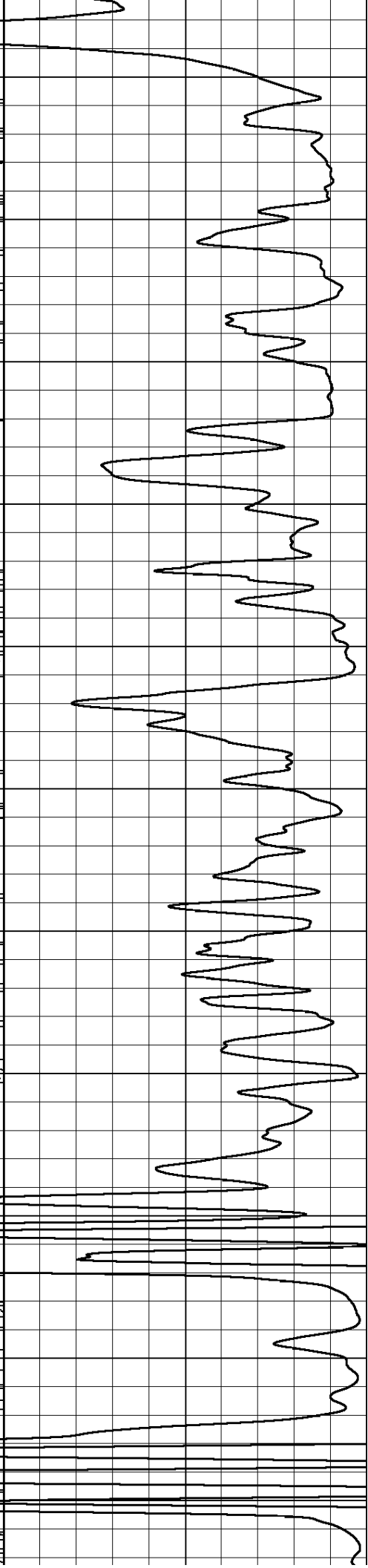
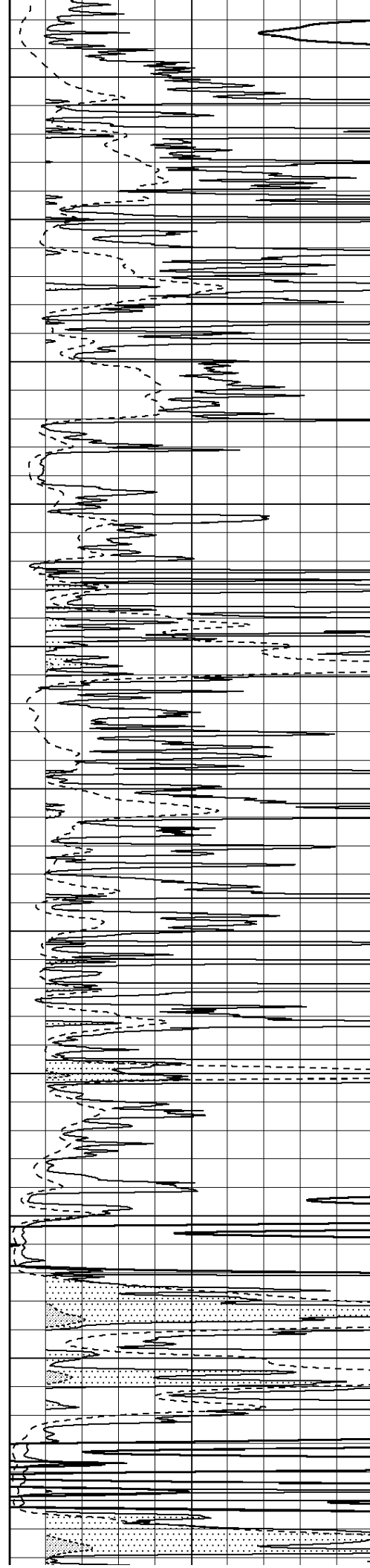
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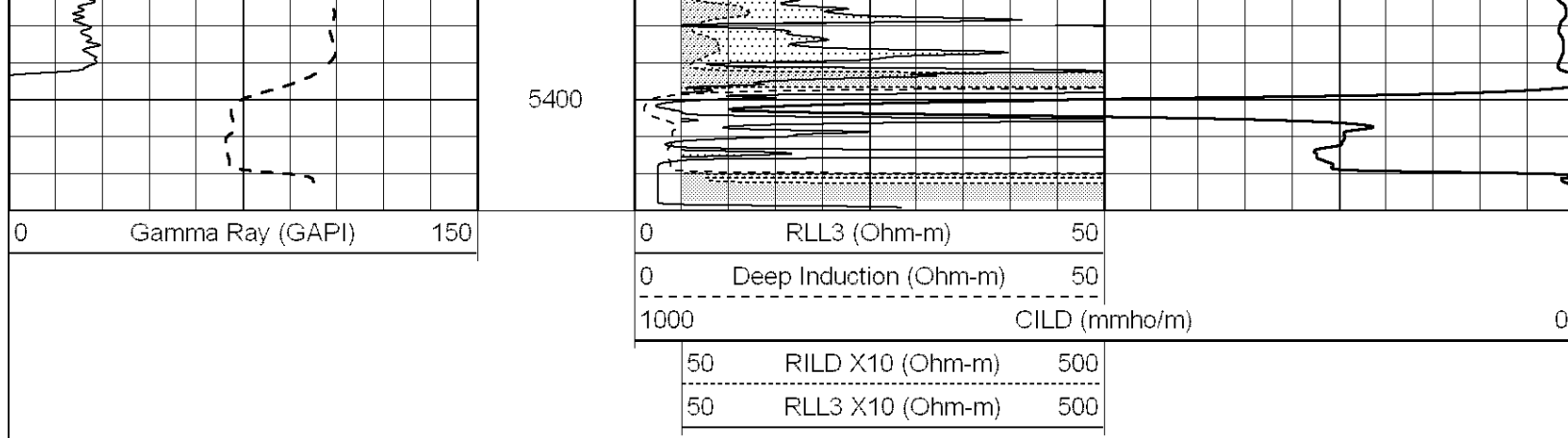
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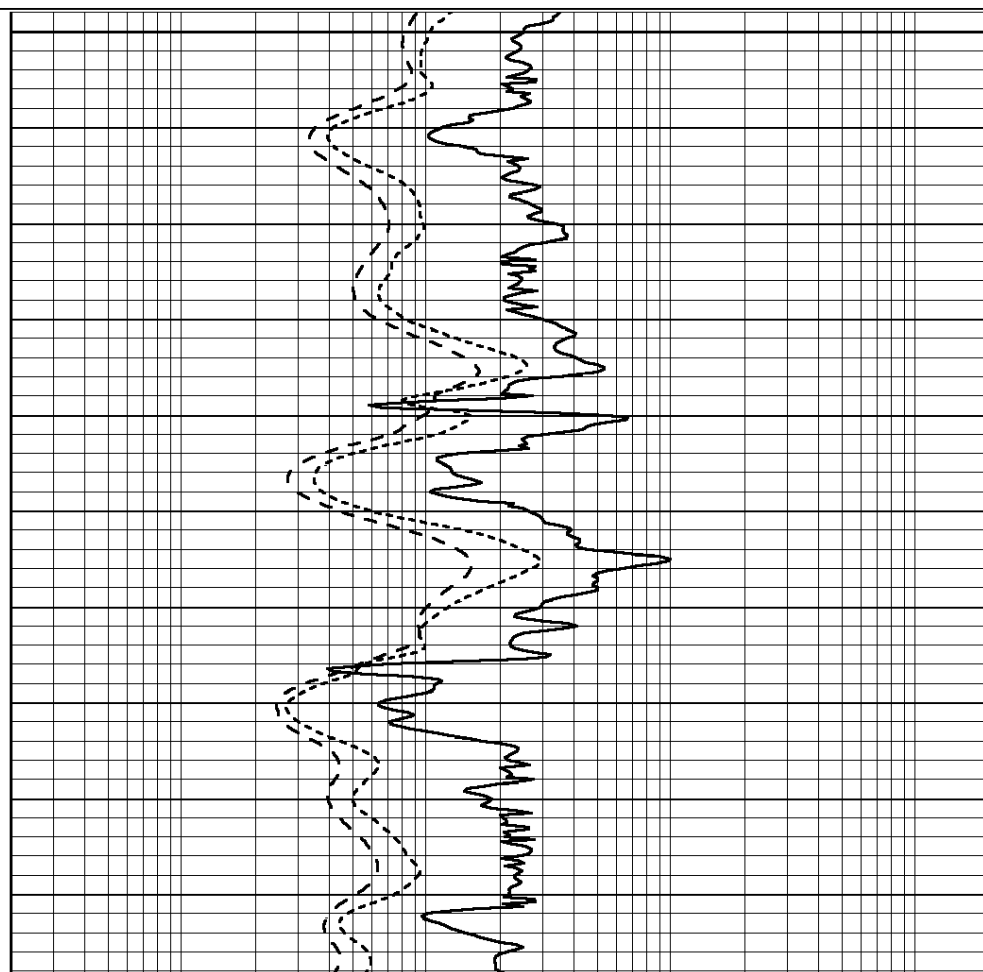
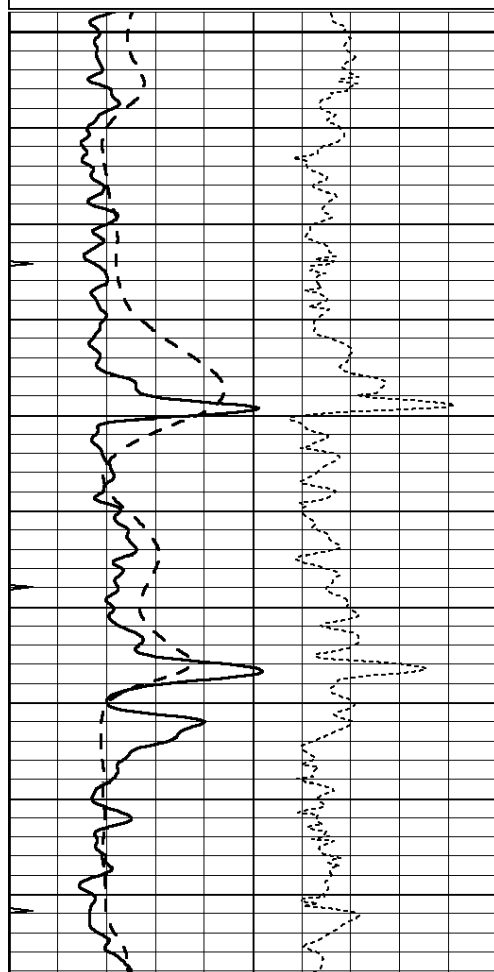


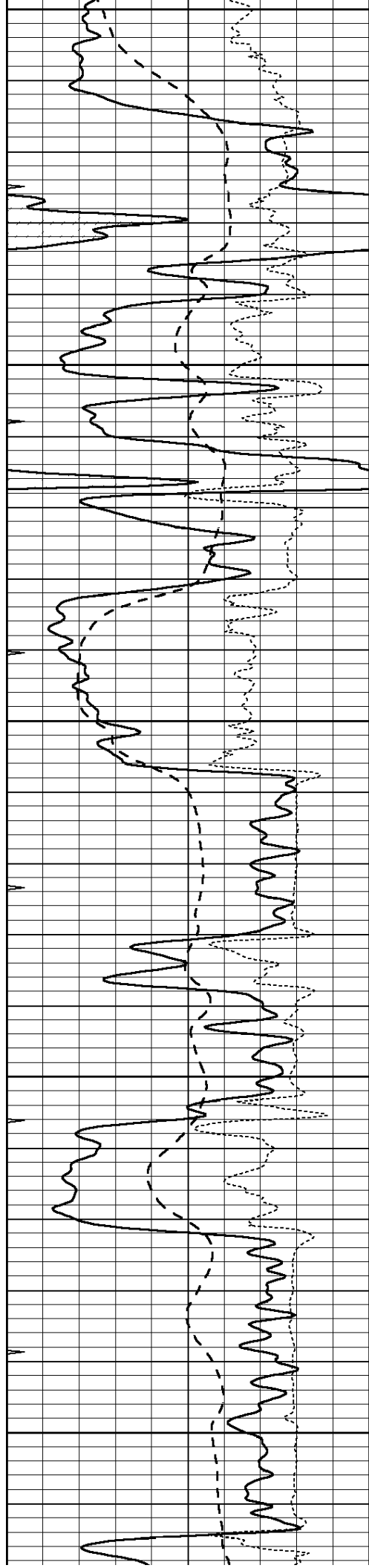
SUPERIOR
Hays,
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MAIN SECTION

Database File: 008722pdm.db
 Dataset Pathname: pass3.A
 Presentation Format: dil
 Dataset Creation: Sun Apr 22 08:34:13 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	RLL3 (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			





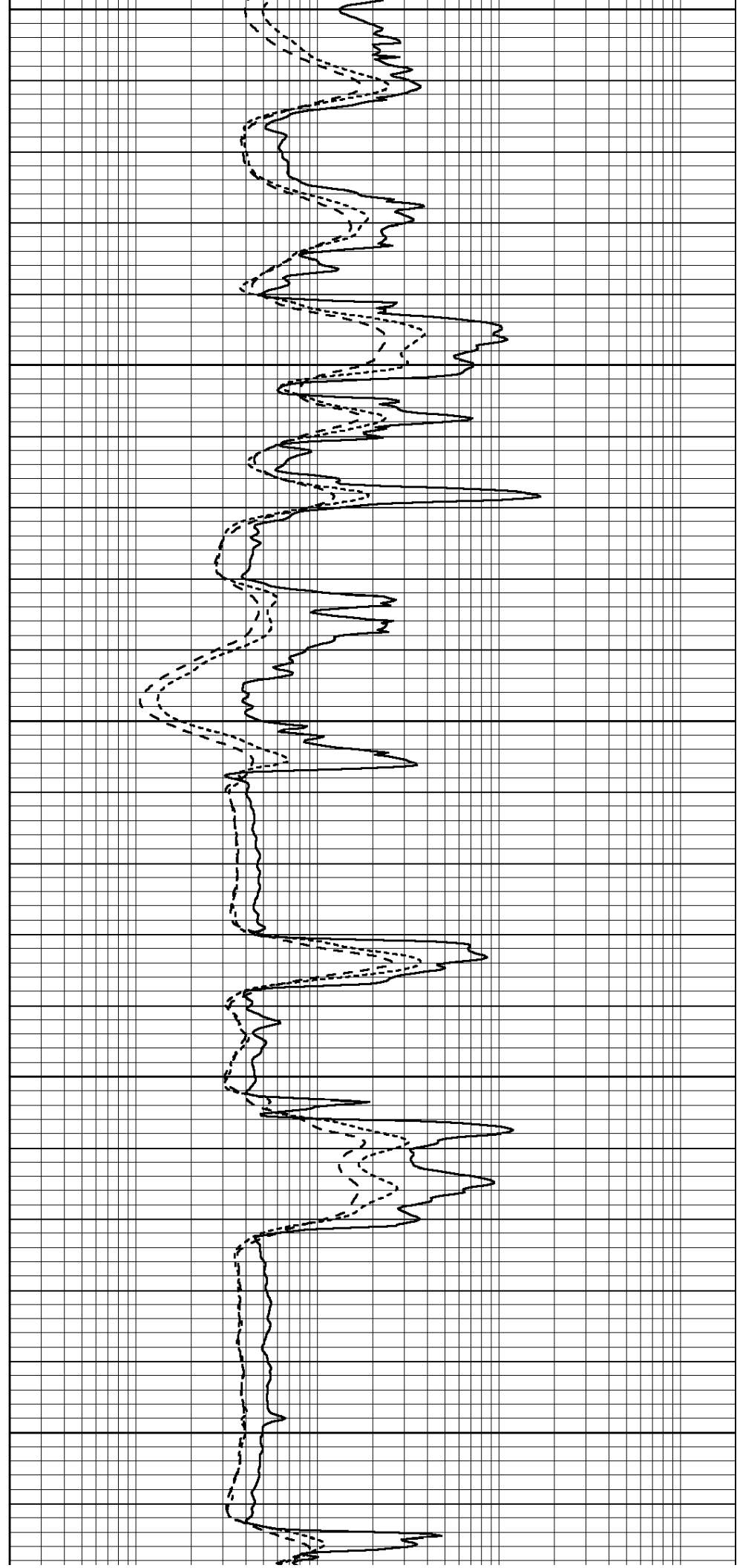
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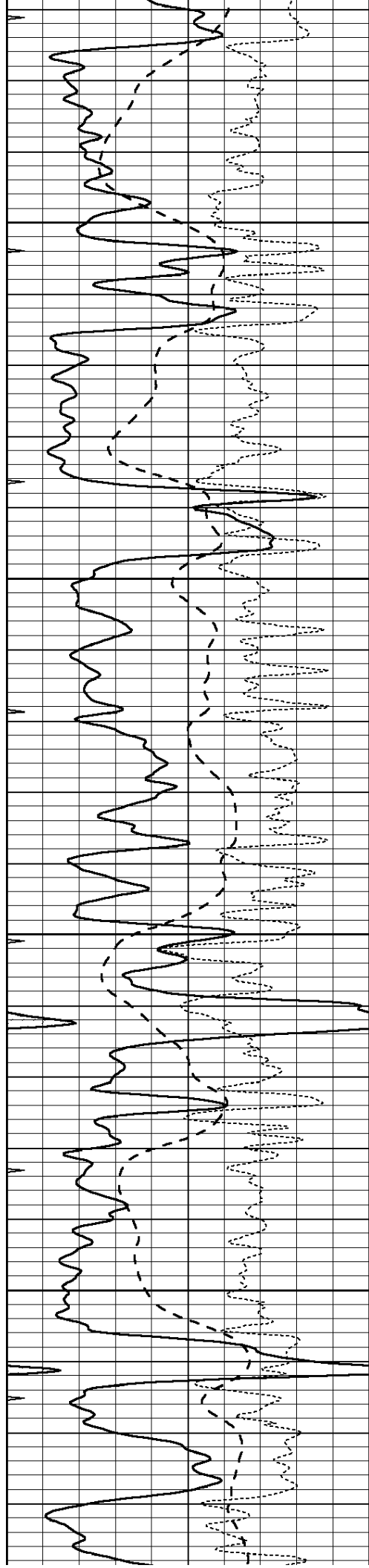
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4500



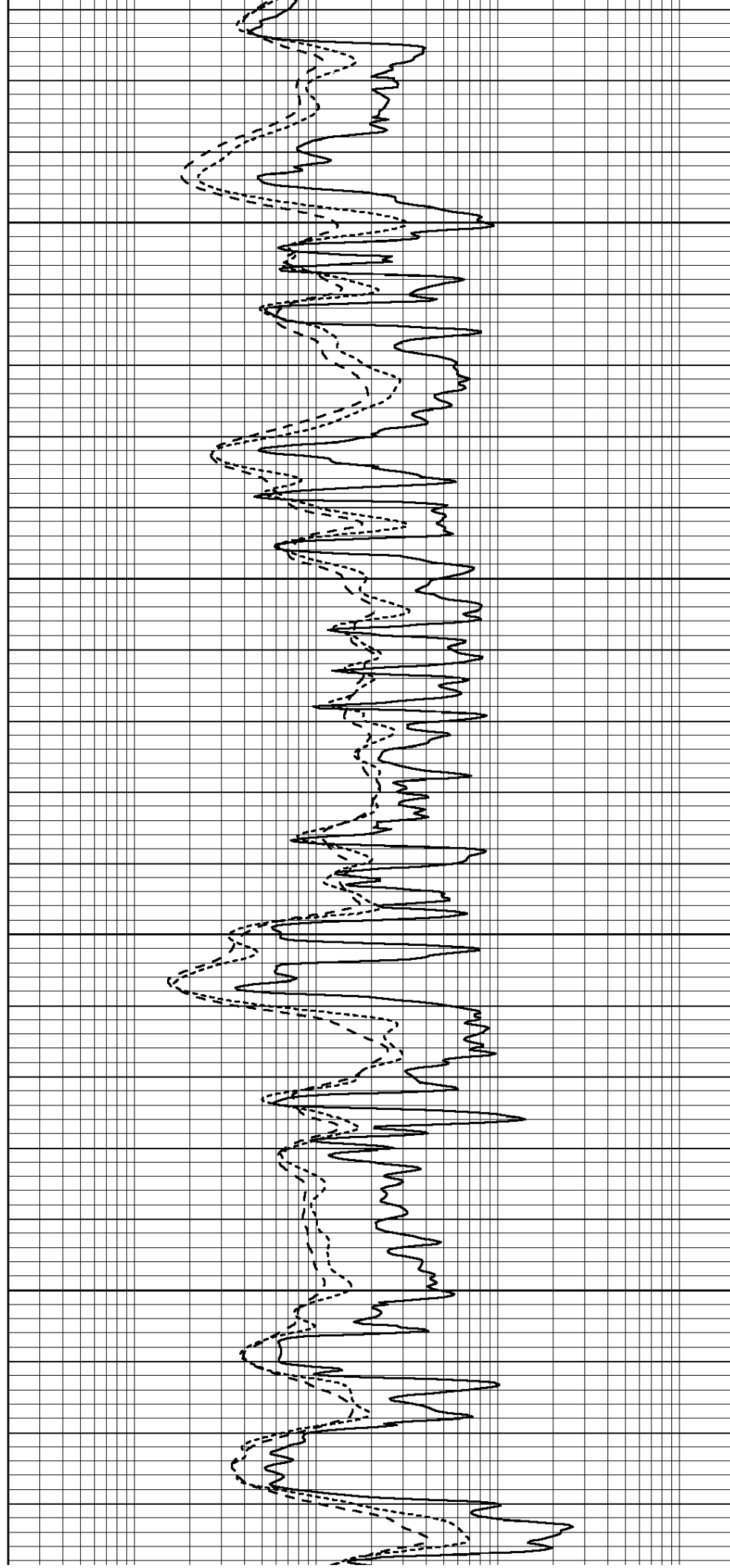


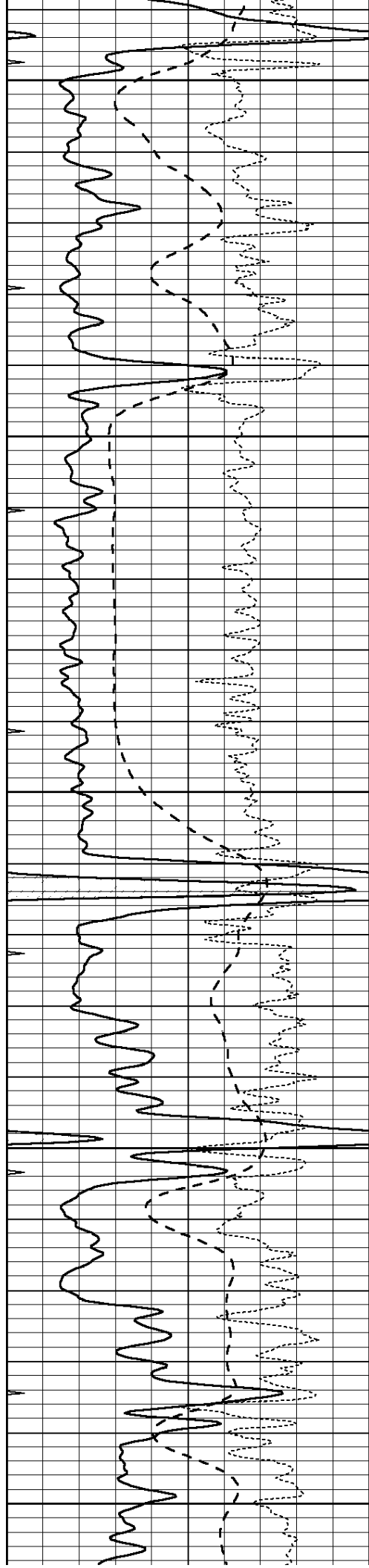
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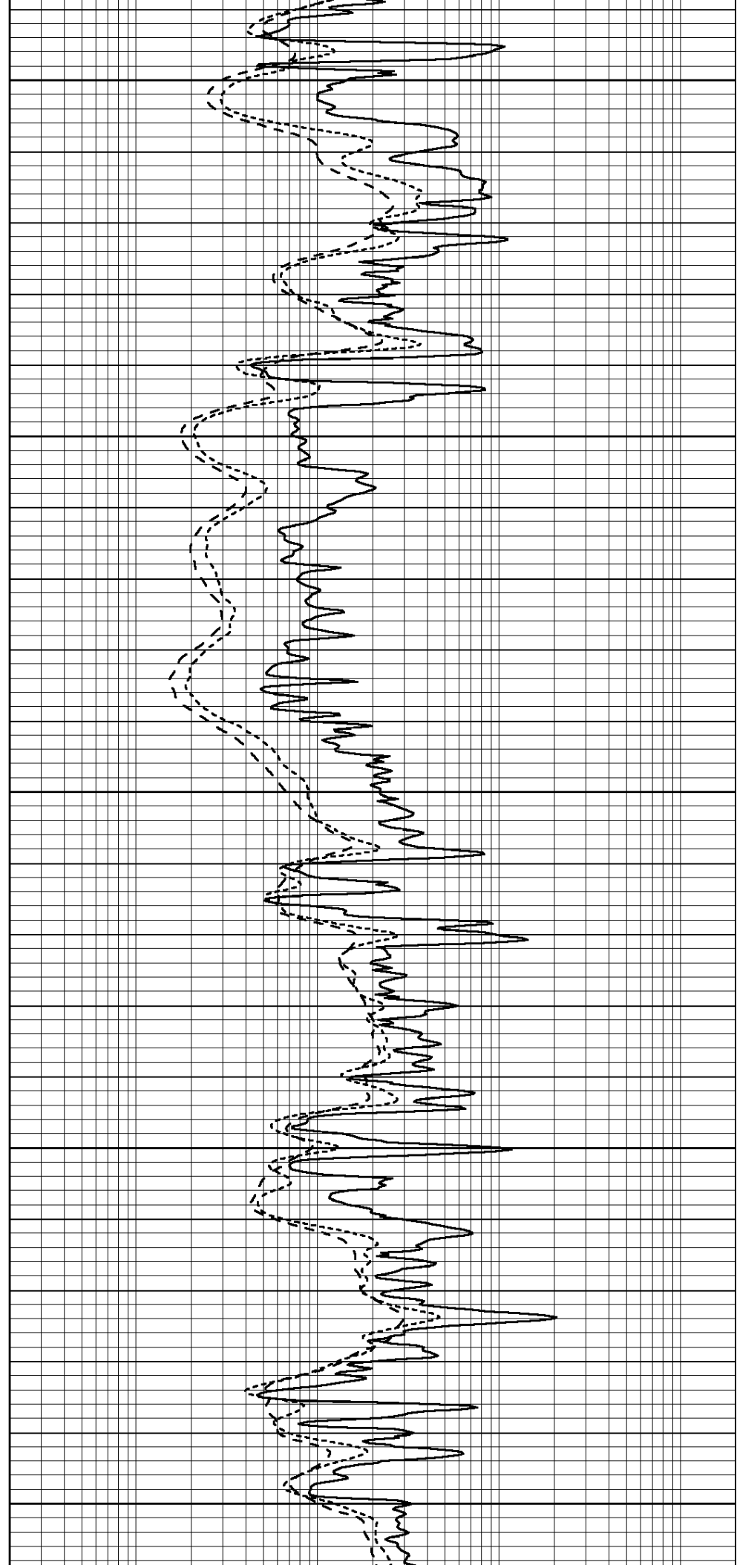
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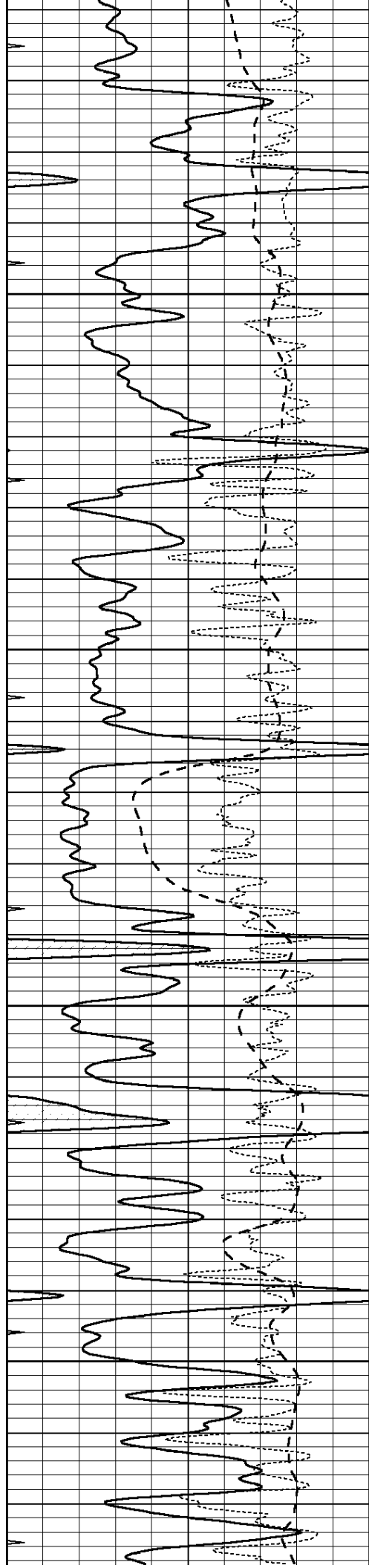
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4950



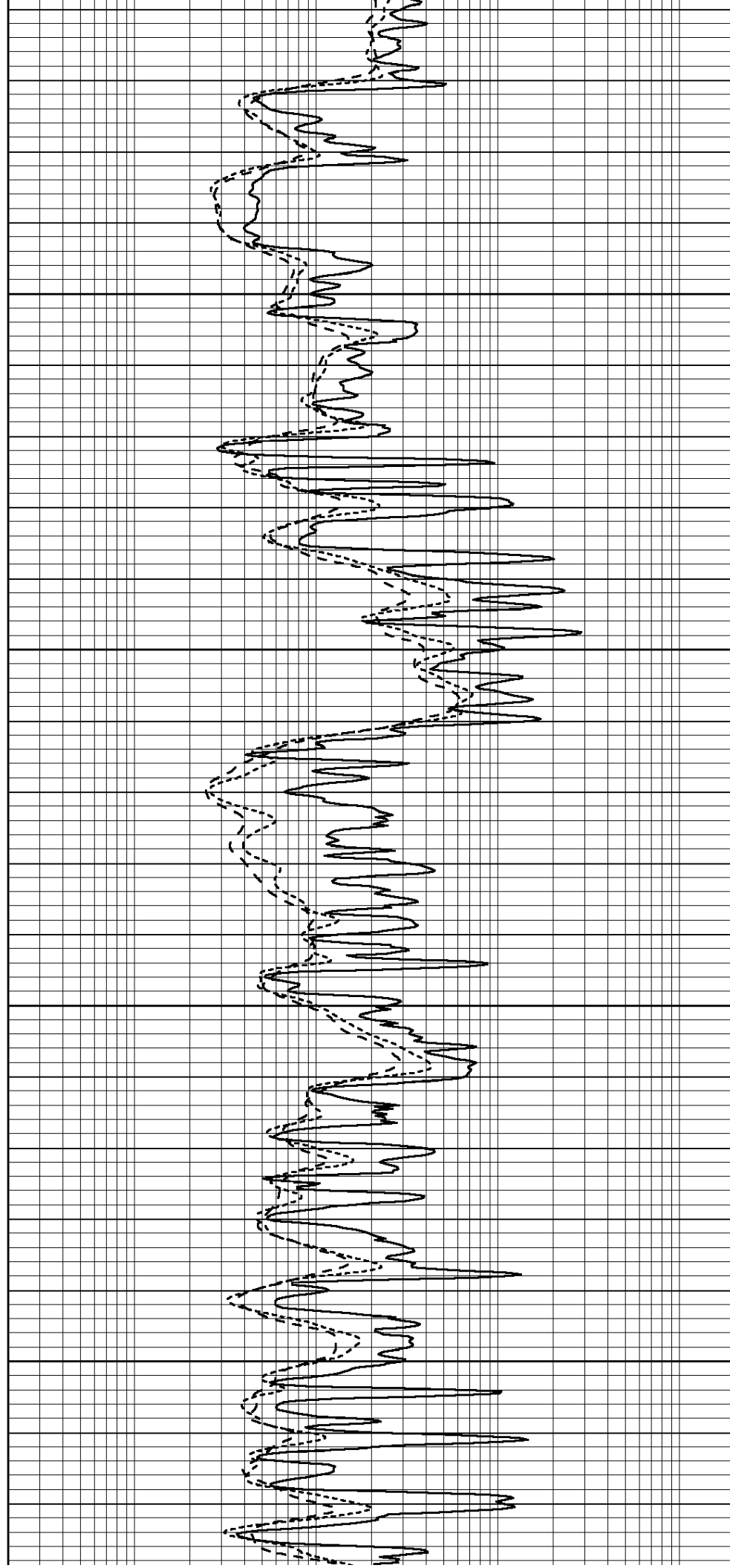


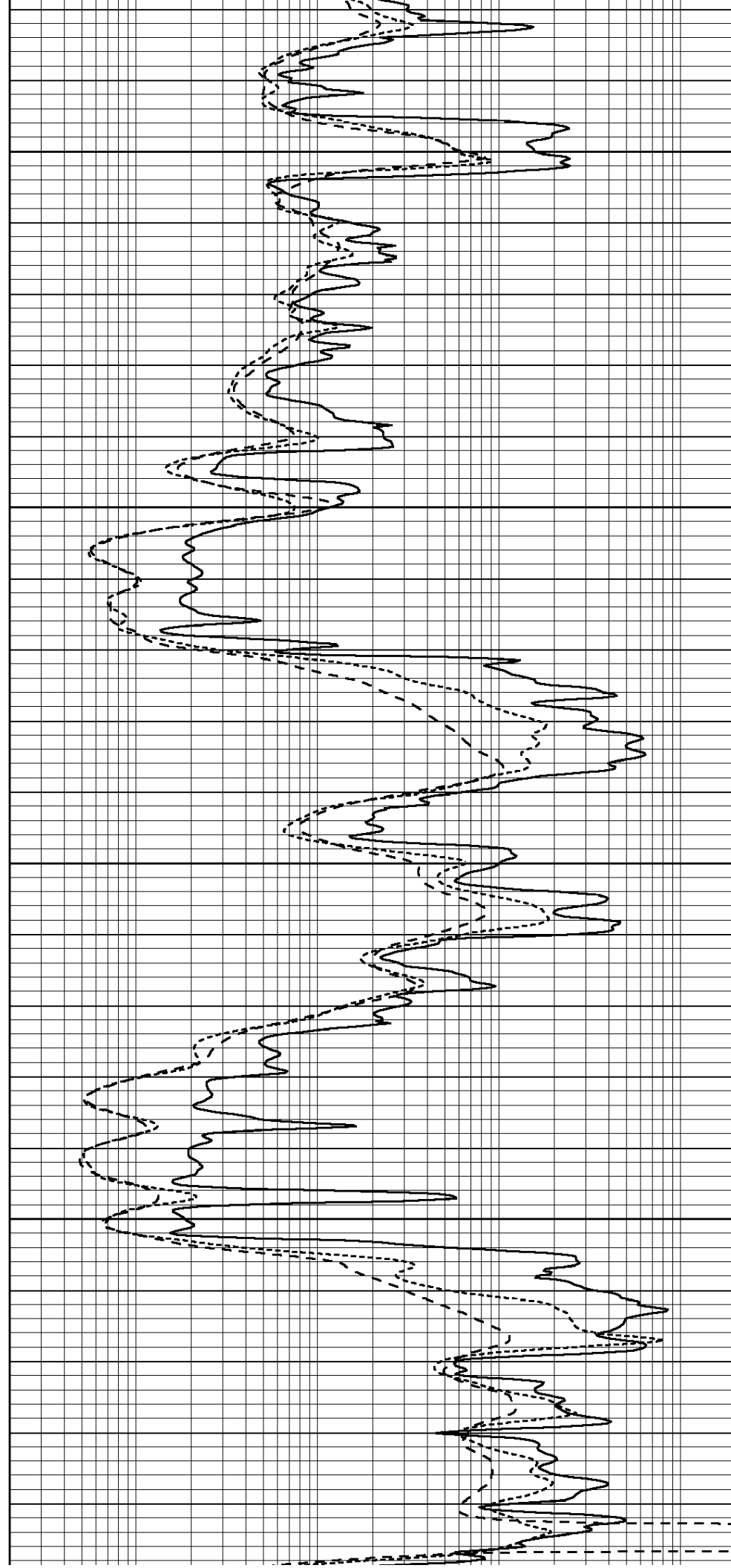
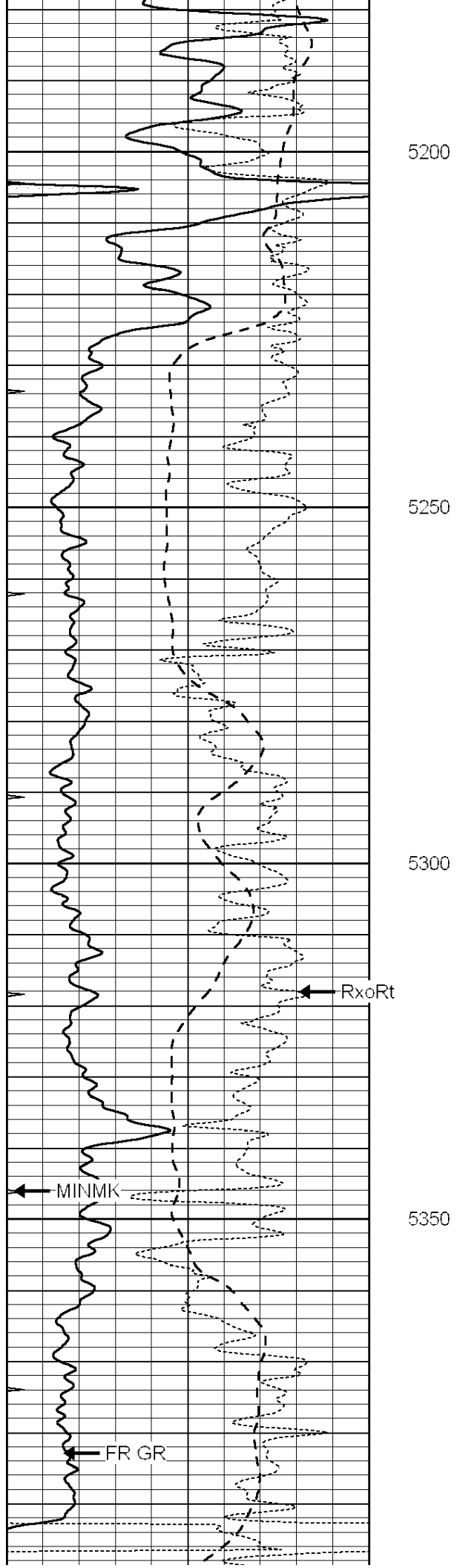
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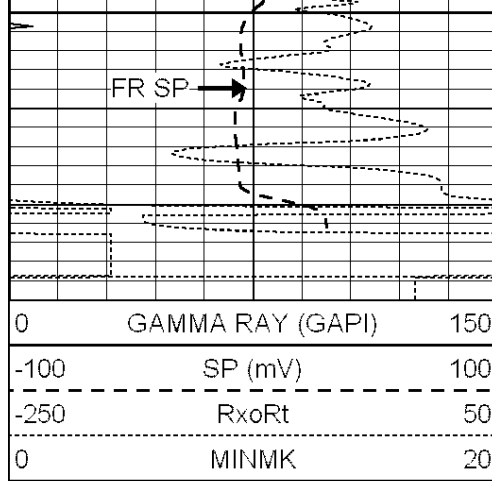
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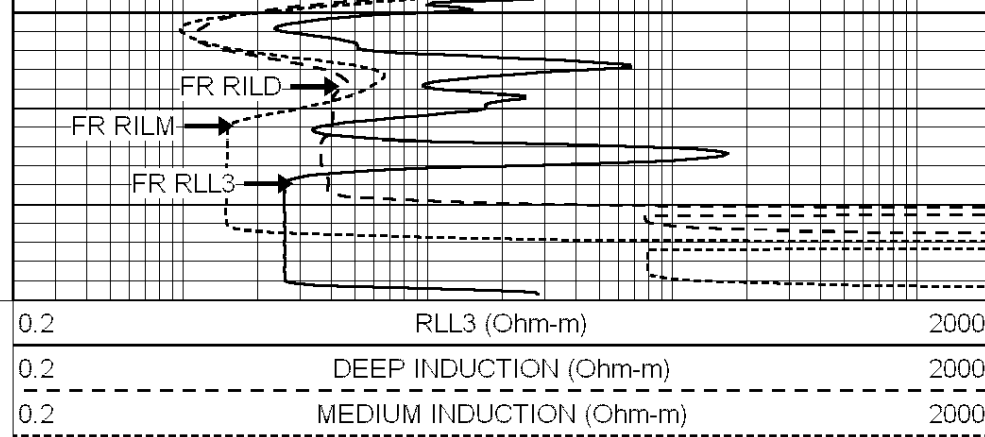
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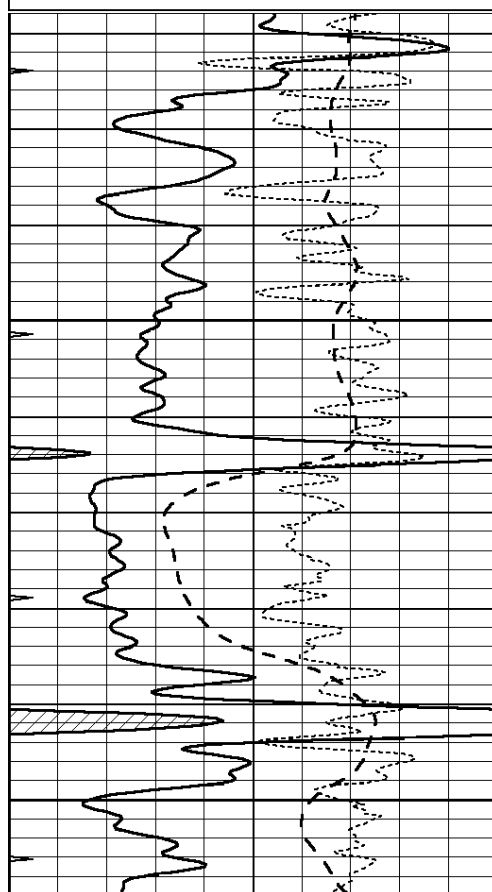
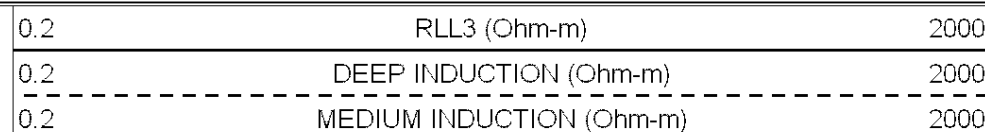
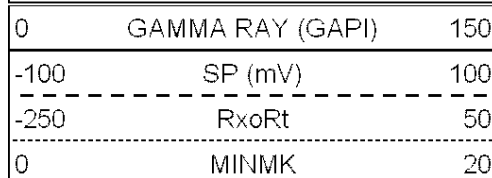
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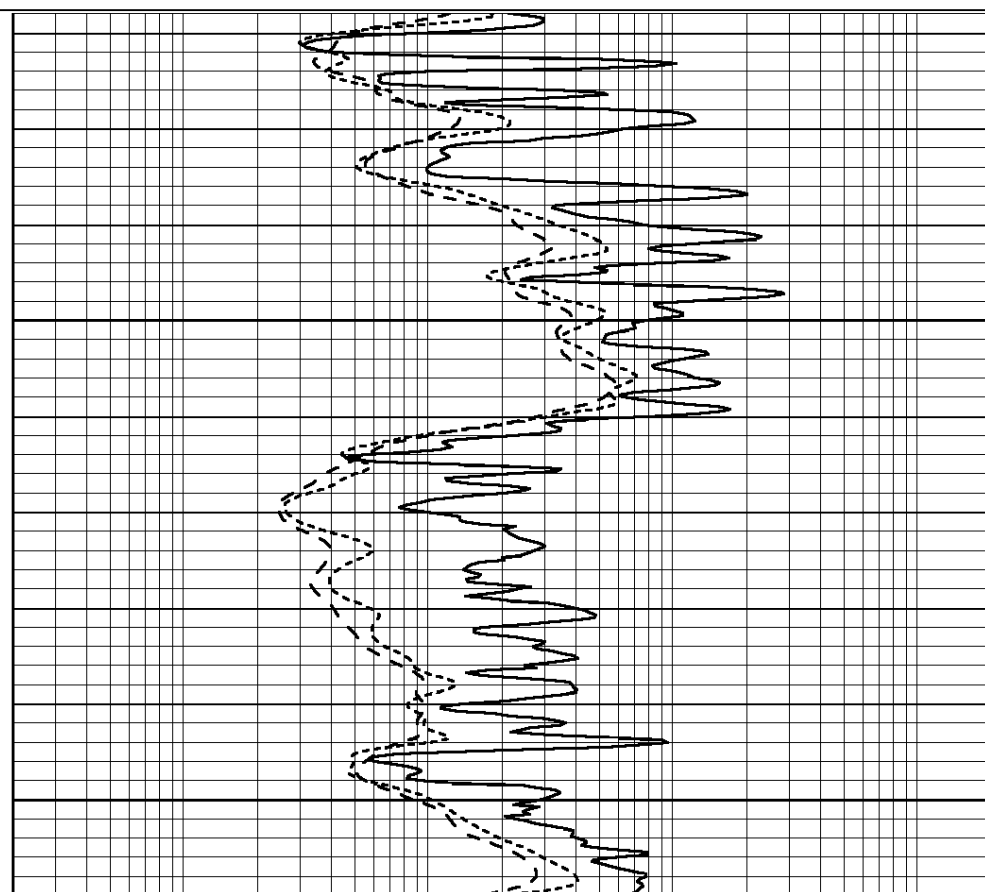
REPEAT SECTION

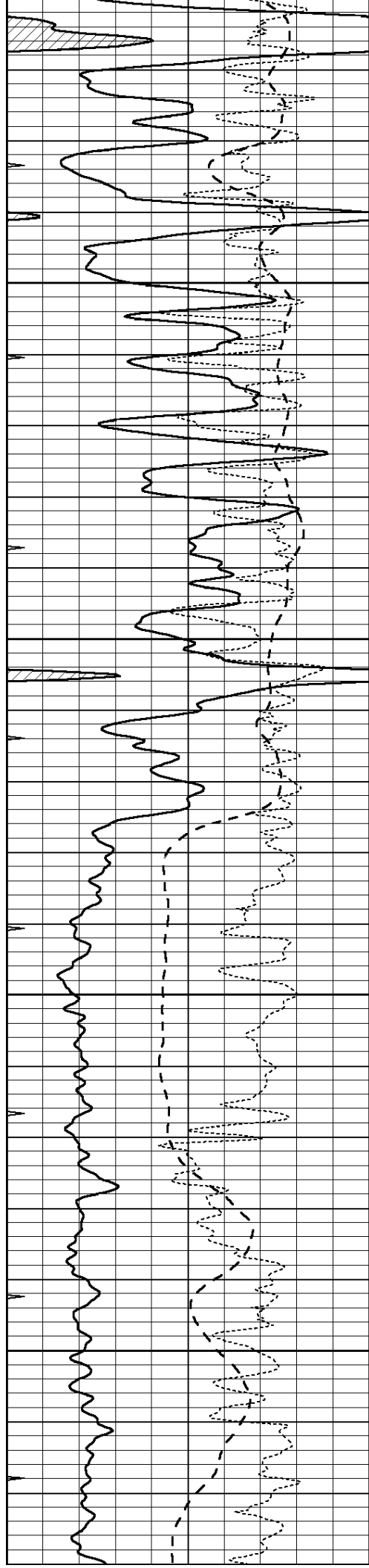
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 Presentation Format: dil
 Dataset Creation: Sun Apr 22 06:41:35 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240



5050

5100



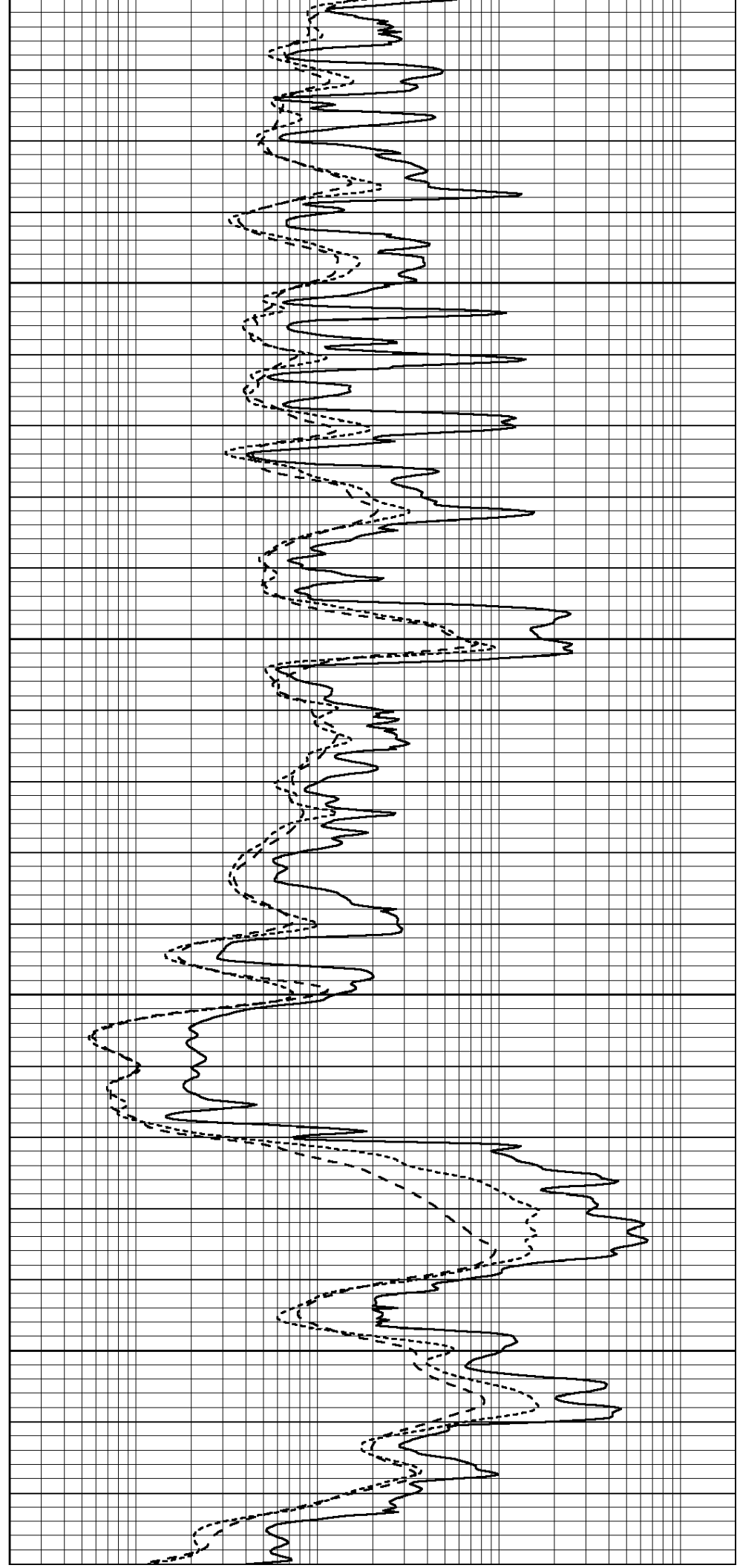


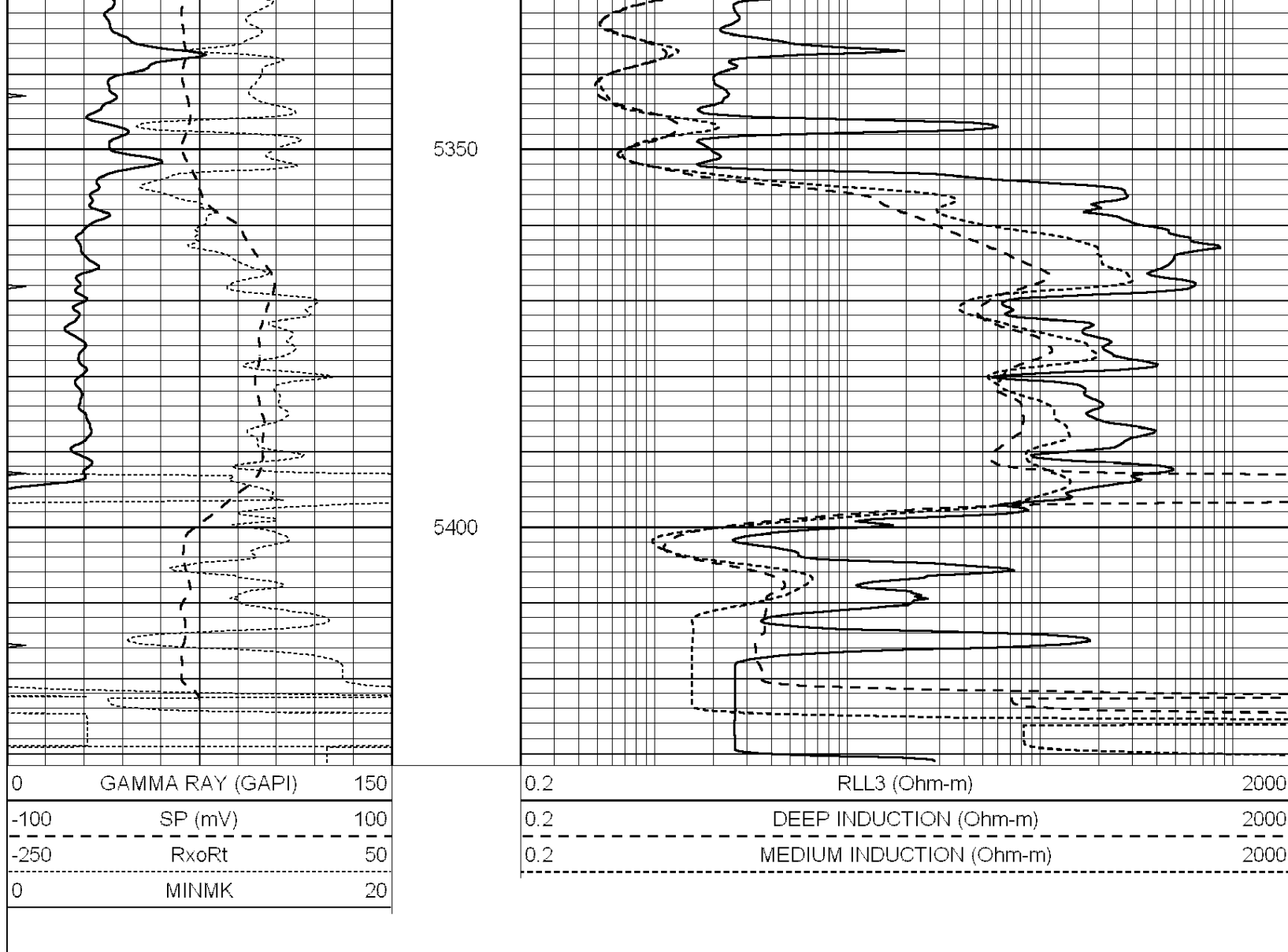
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5200

5250

5300





Calibration Report

Database File: 008722pdn.db
 Dataset Pathname: pass3.A
 Dataset Creation: Sun Apr 22 08:34:13 2012 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE9-DILG
 Surface Cal Performed: Sun Apr 22 06:58:49 2012
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008
 After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	550.000	-15.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	540.000	-18.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

Readings References Results

	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3970.000	mmho-m		

After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report Serial: 002 Model: PRB Performed Mon Apr 02 17:56:53 2012								
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Litho Density Calibration								
	Background		Magnesium		Aluminum		Sandstone	
Window 1	872.3		7266.3		2292.6		7931.5	cps
Window 2	822.9		5957.5		1958.0		6389.6	cps
Window 3	670.4		3219.9		1211.9		3388.2	cps
Window 4	201.6		201.1		202.3		204.6	cps
Long Space	0.0		5134.6		1135.0		5566.6	cps
Short Space	1.1		994.2		674.4		1059.2	cps
Rho			1.7100		2.5960		1.3800	g/cc
Pe					2.5700		1.5500	
Rib Angle	: 45.6		Rib Slope	: 1.020	Density/Spine Ratio		: 0.569	
Spine Angle	: 75.6		Spine Slope	: 3.888	Spine Intercept		: -18.3	

Caliper								
Low Ref	Readings		Reference					
High Ref	3.8		8.6					
	4.9		12.0					
	Gain: 3.0				Offset: -2.9			

Compensated Neutron Calibration Report								
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Serial Number:			NUE_2I					
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								
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Serial Number:	GR5							
Tool Model:	OPEN							
Performed:	Sun Apr 22 06:58:16 2012							
Calibrator Value:	1.0				GAPI			
Background Reading:	0.0				cps			
Calibrator Reading:	1.0				cps			

Sensitivity:

0.7000

GAPI/cps