



**SUPERIOR
Hays,
Kansas**

**DUAL
INDUCTION
LOG**

Company	AMERICAN ENERGIES CORPORATION	Company	AMERICAN ENERGIES CORPORATION
Well	MURPHY #2-25	Well	MURPHY #2-25
Field		Field	
County	PRATT	County	PRATT
State	KANSAS	State	KANSAS
Location:	API # : 15-151-22388 1320' FSL & 330' FEL	Other Services CDL/CNL	
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 9' A.G.L. KELLY BUSHING	Elevation K.B. 1871 D.F. G.L. 1862	
Date	6-4-12		
Run Number	ONE		
Depth Driller	4750		
Depth Logger	4749		
Bottom Logged Interval	4747		
Top Log Interval	00		
Casing Driller	296		
Casing Logger	296		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1 / 49		
pH / Fluid Loss	11.5 / 9.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.95 @ 90F		
Rmf @ Meas. Temp	0.71 @ 90F		
Rmc @ Meas. Temp	1.14 @ 90F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.700 @ 122F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	9:00 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	DAVE BARKER		

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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: SAWYER & #42, 7E TO RD. #90, 3/4S, W INTO.

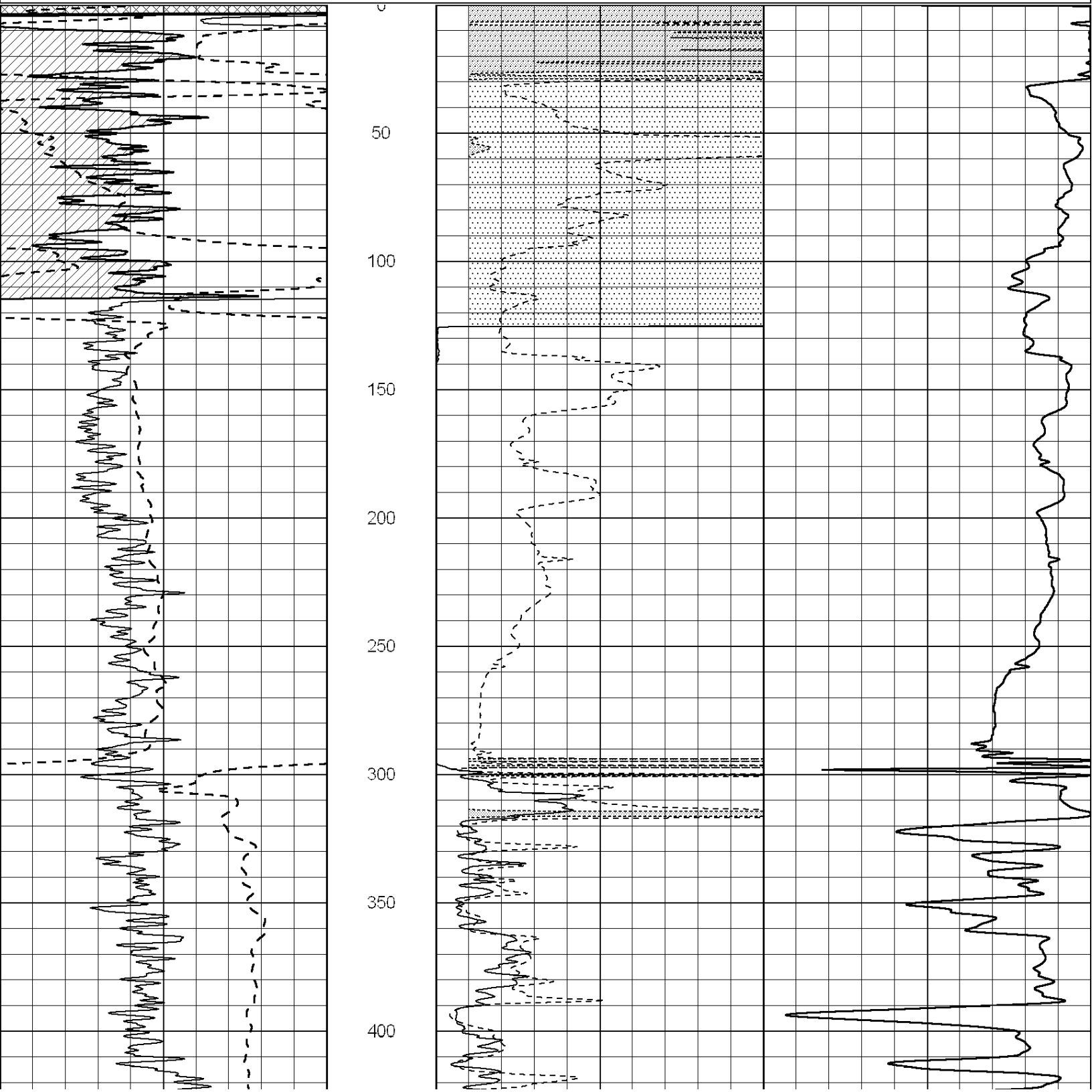


**SUPERIOR
Hays,
Kansas**

MAIN SECTION

Database File: 008784ddn.db
 Dataset Pathname: pass3.A
 Presentation Format: dil2
 Dataset Creation: Tue Jun 05 00:03:54 2012
 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

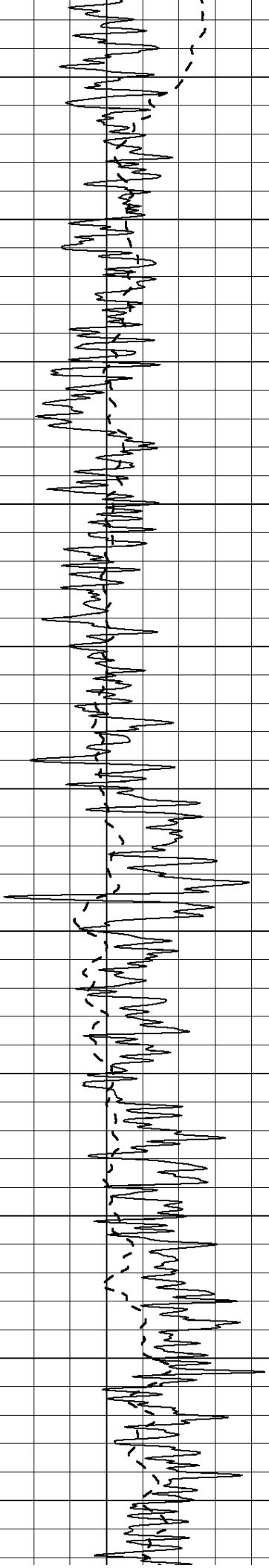
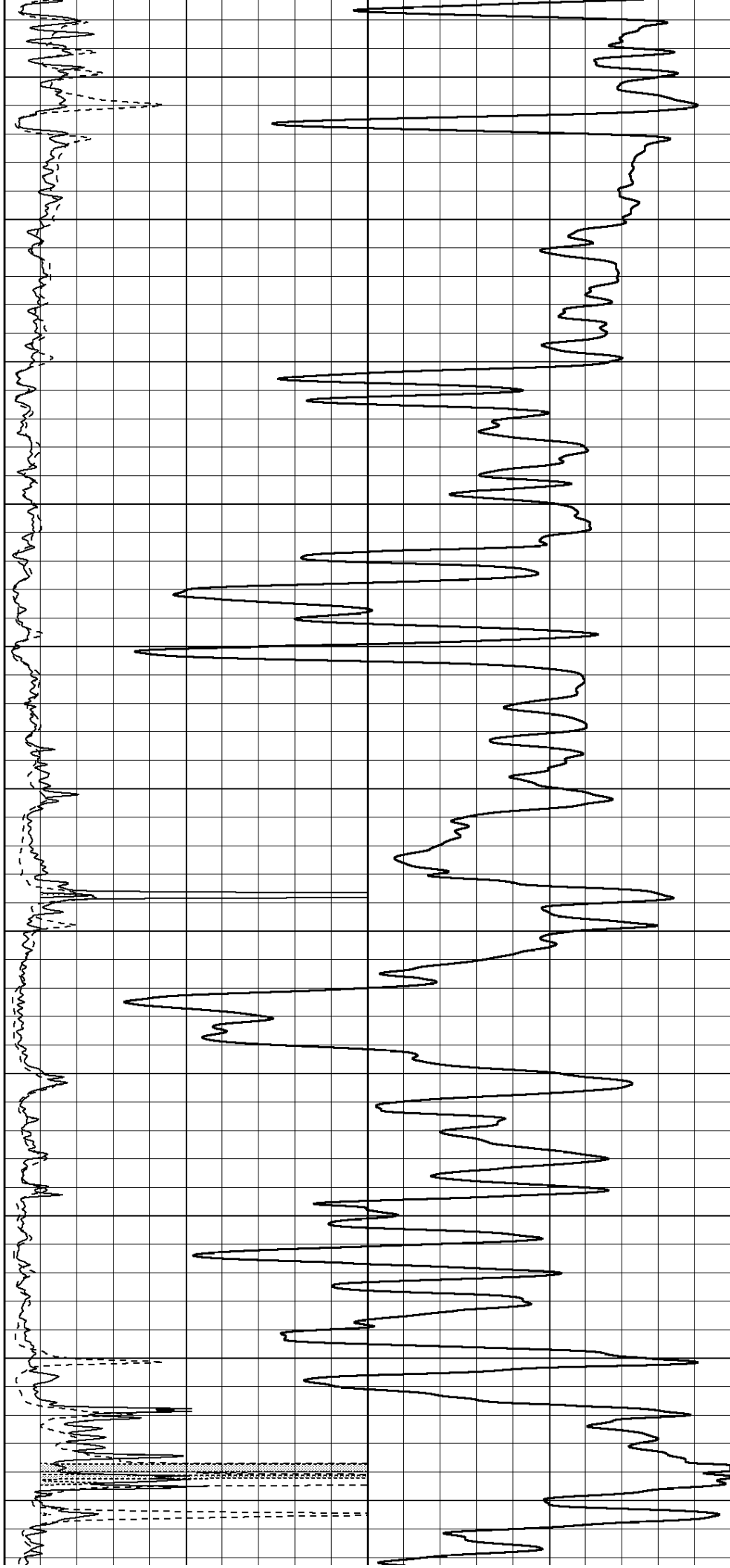
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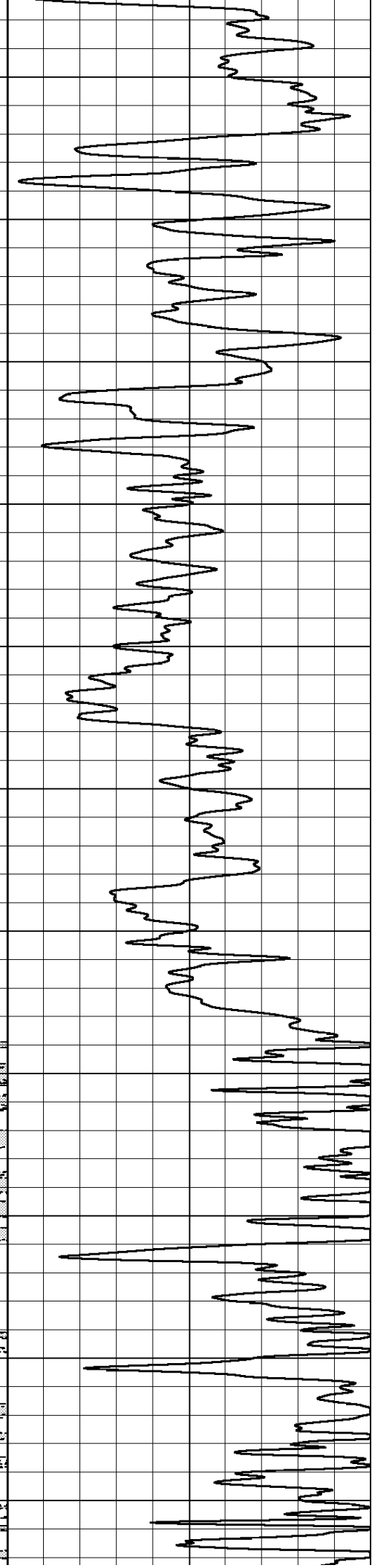
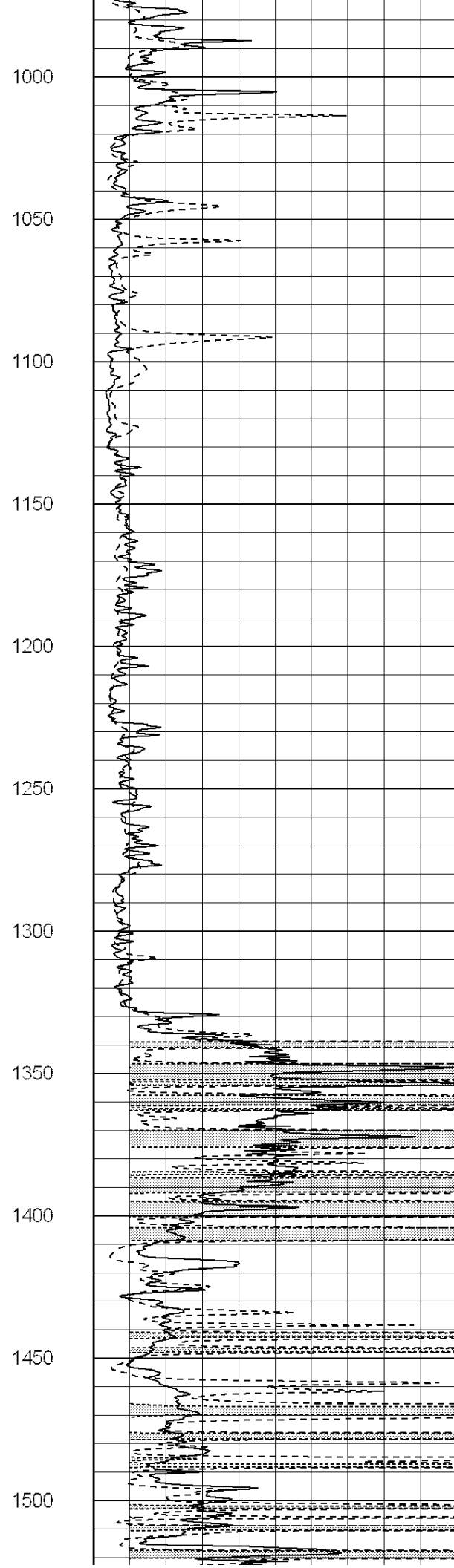
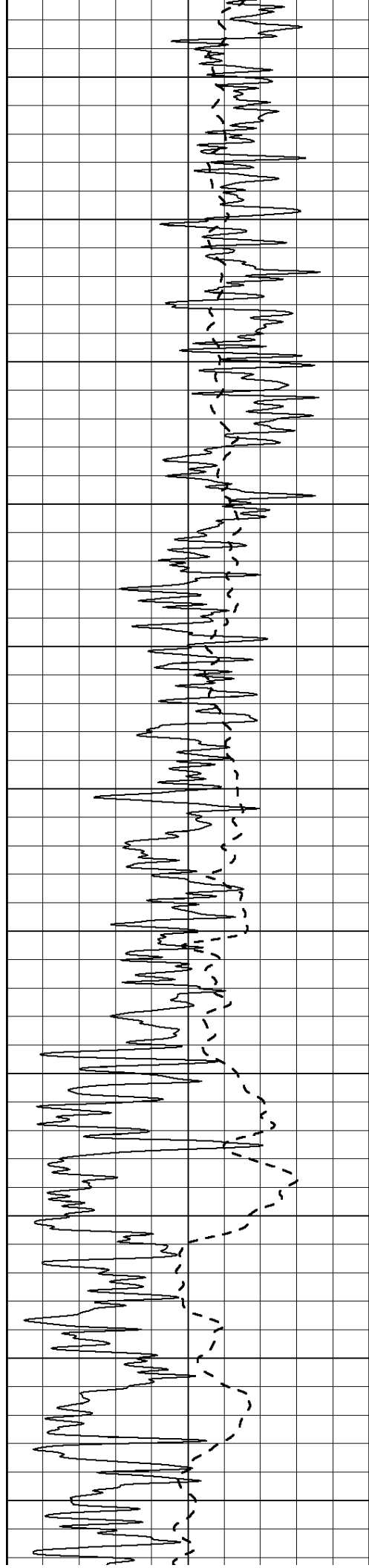
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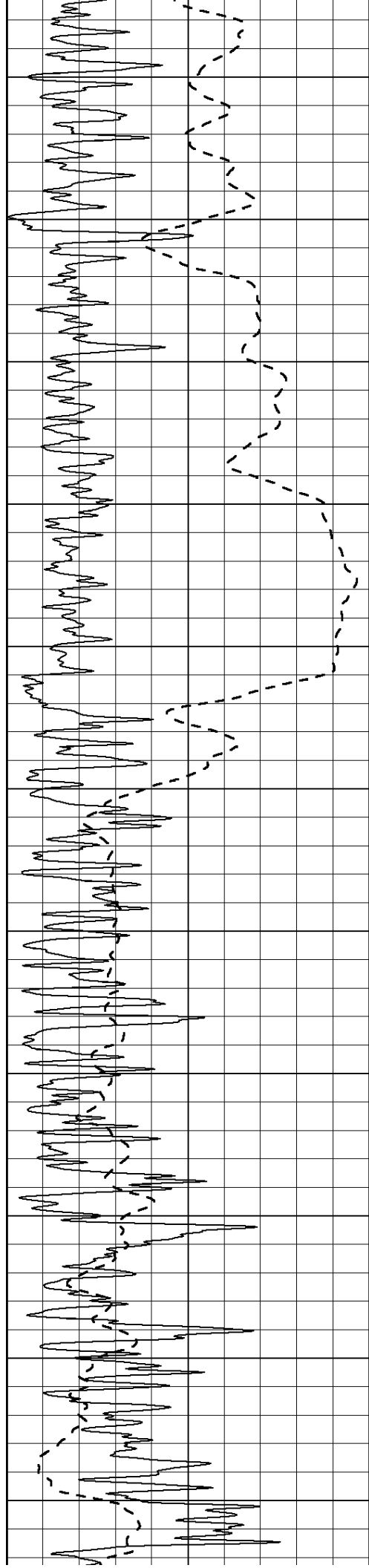
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900

950







1550

1600

1650

1700

1750

1800

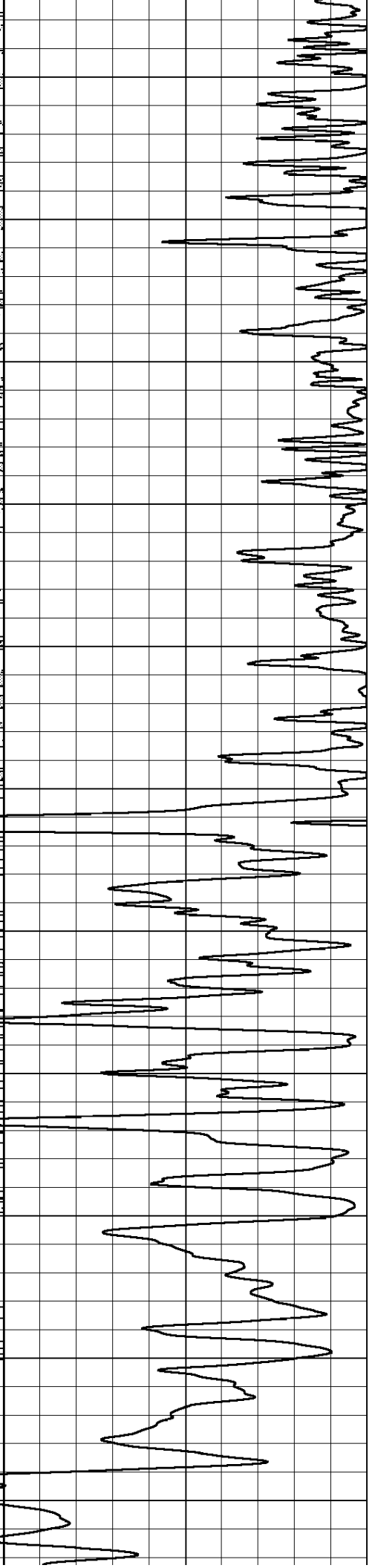
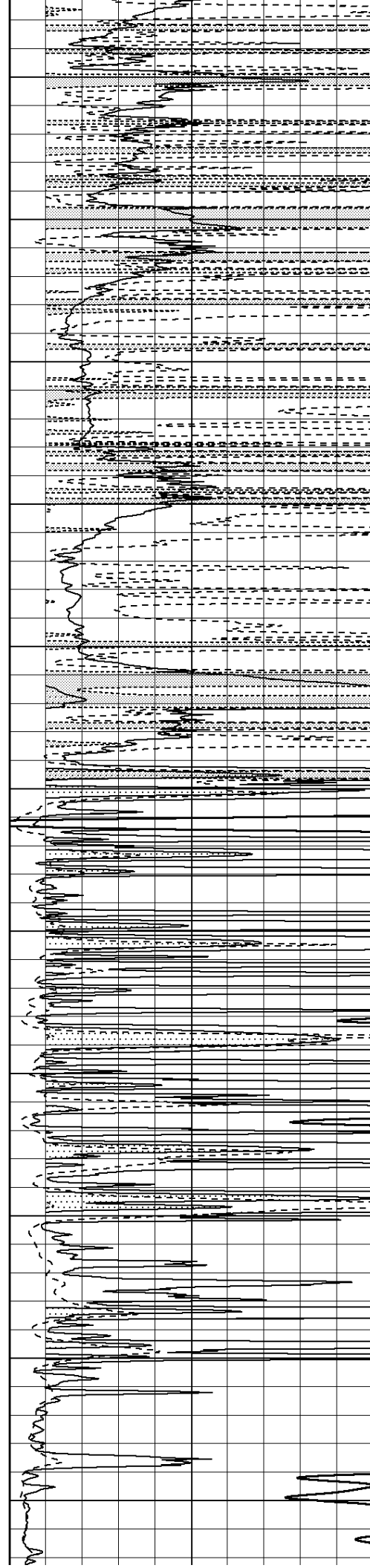
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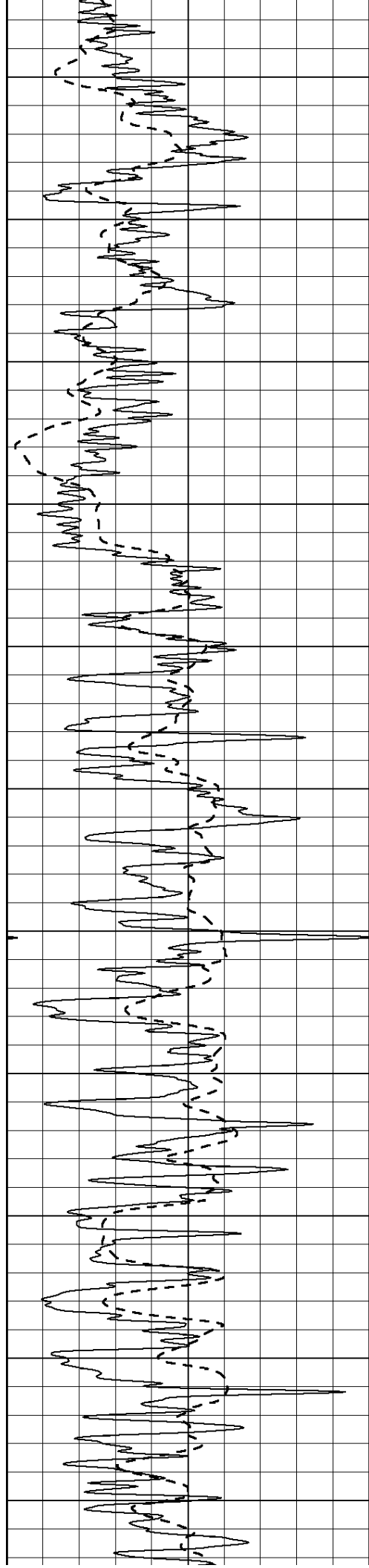
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1950

2000

2050





2100

2150

2200

2250

2300

2350

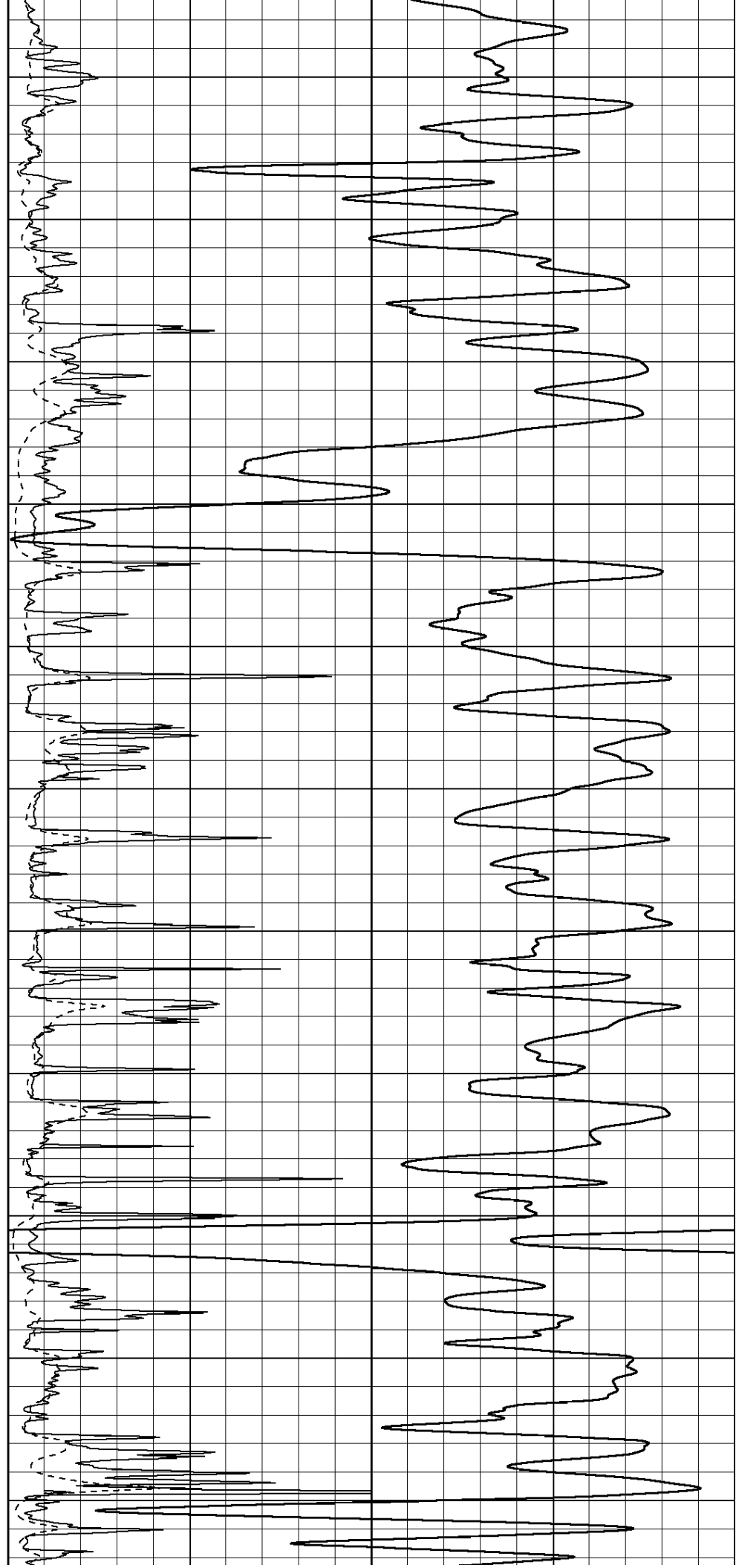
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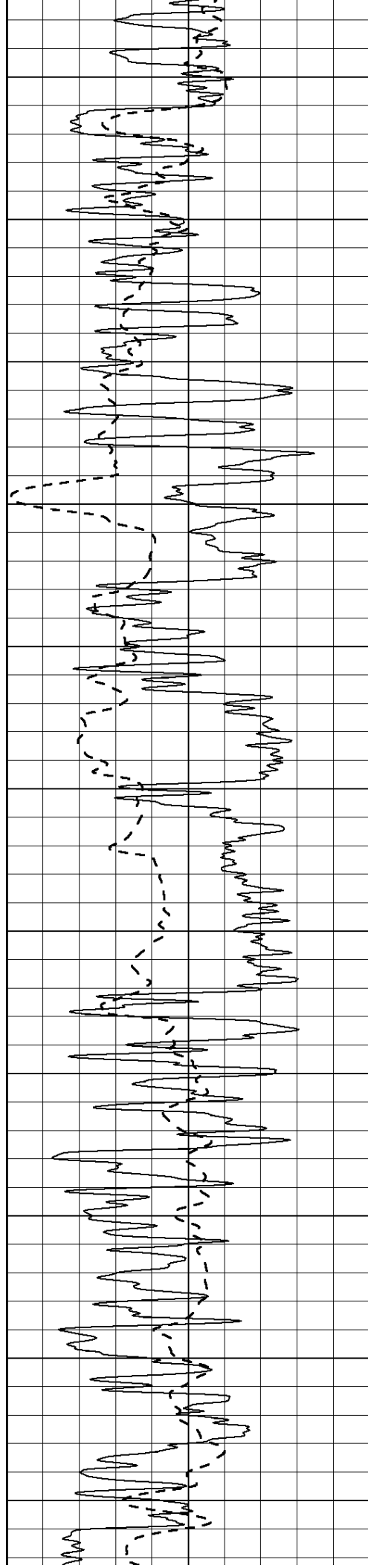
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2500

2550

2600





2650

2700

2750

2800

2850

2900

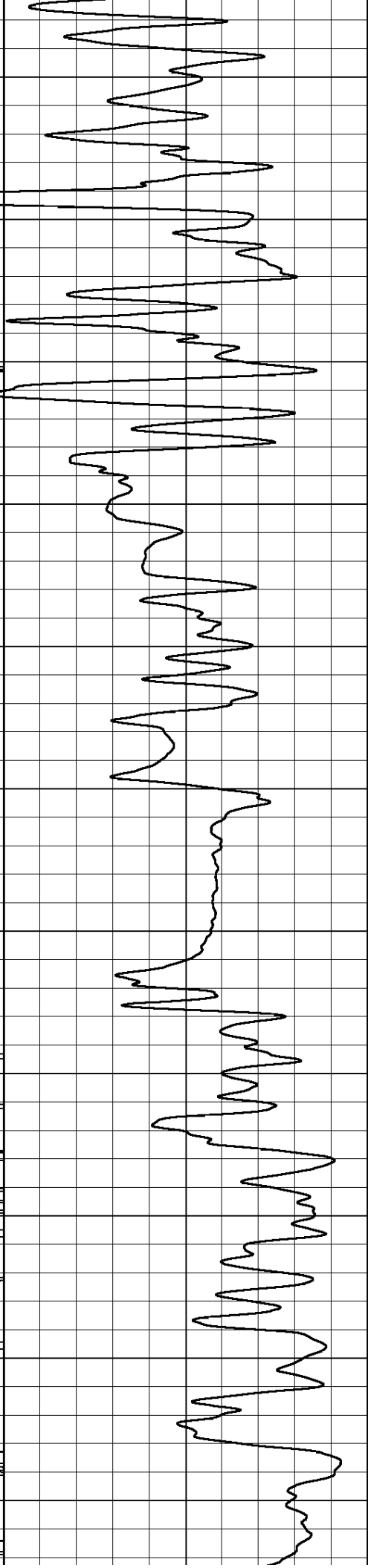
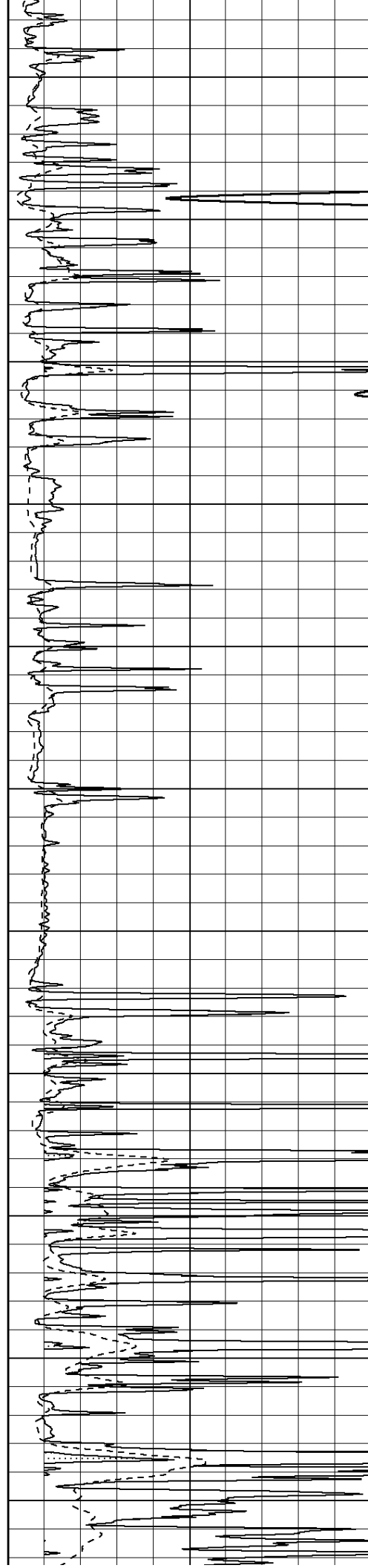
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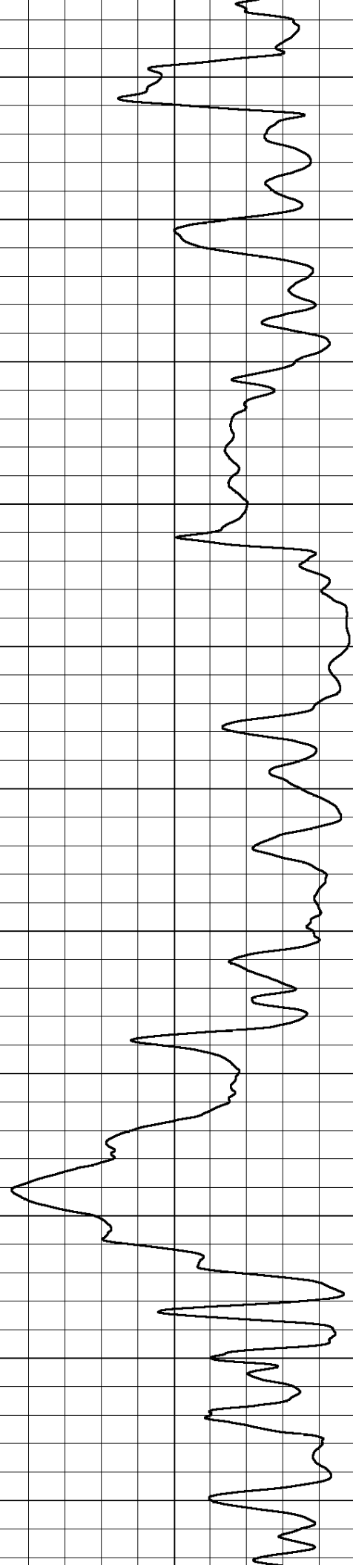
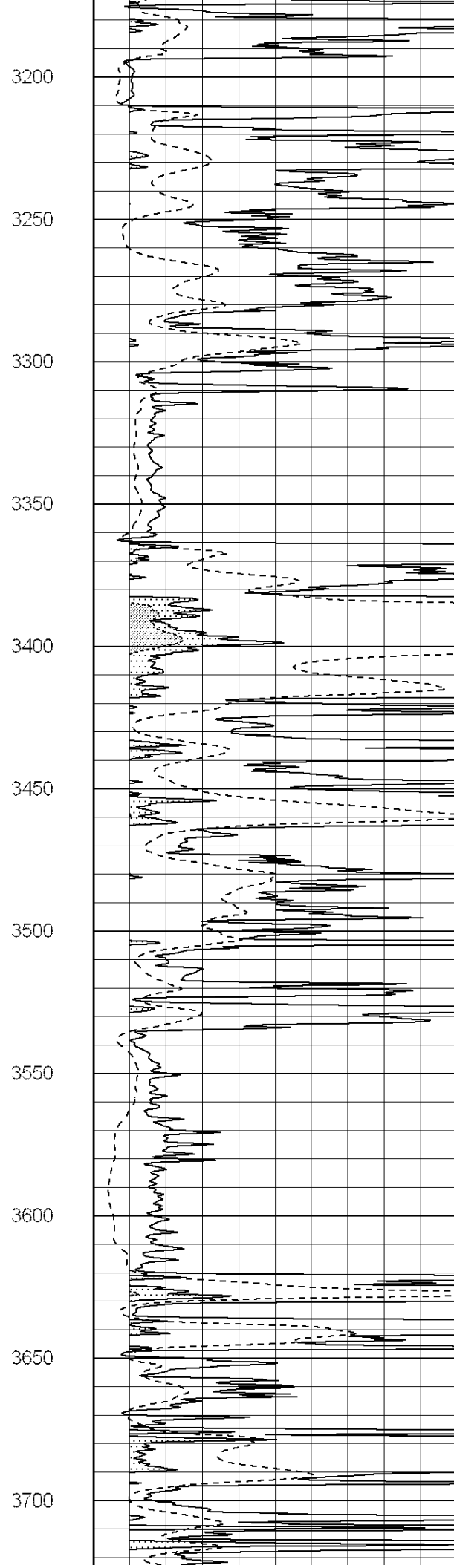
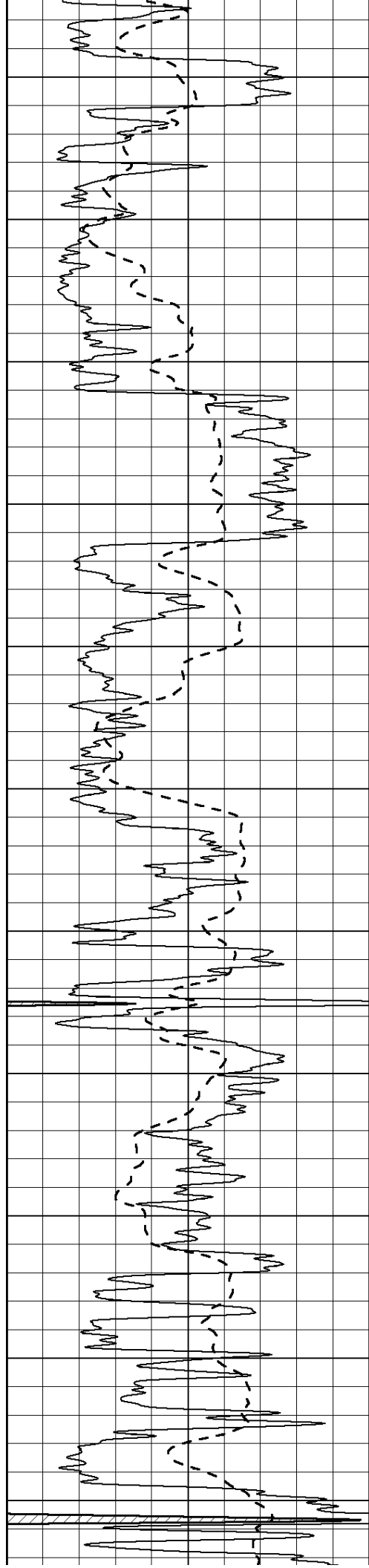
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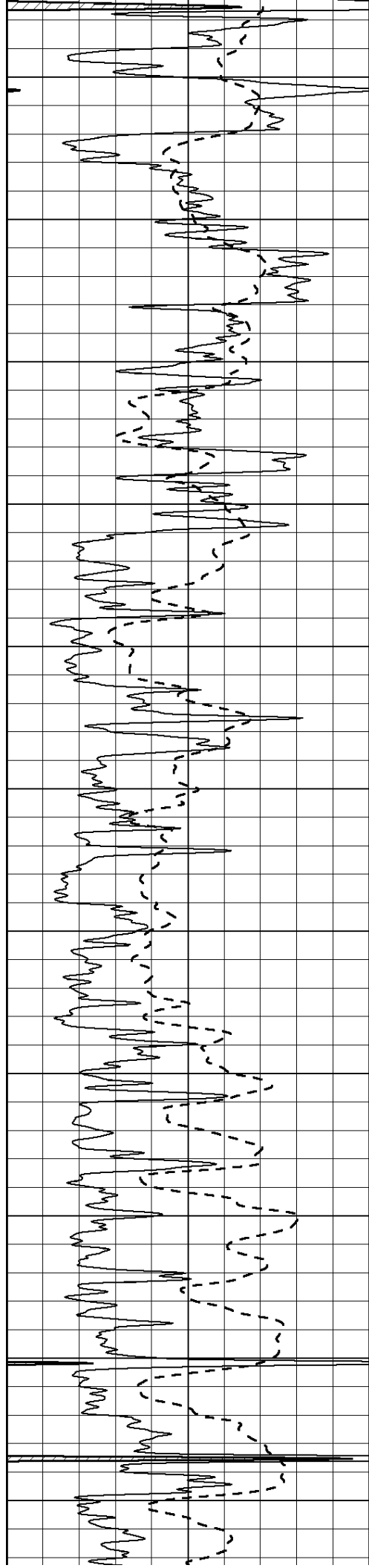
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3100

3150







3750

3800

3850

3900

3950

4000

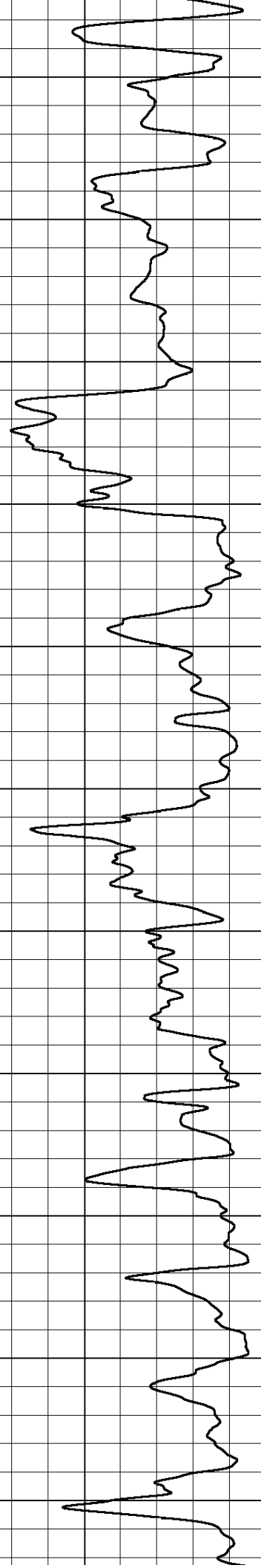
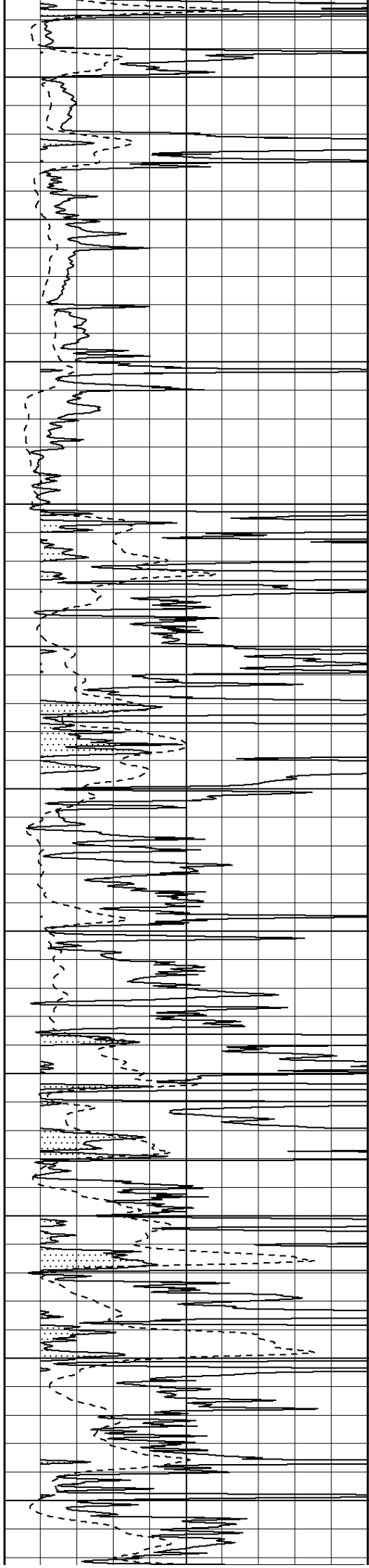
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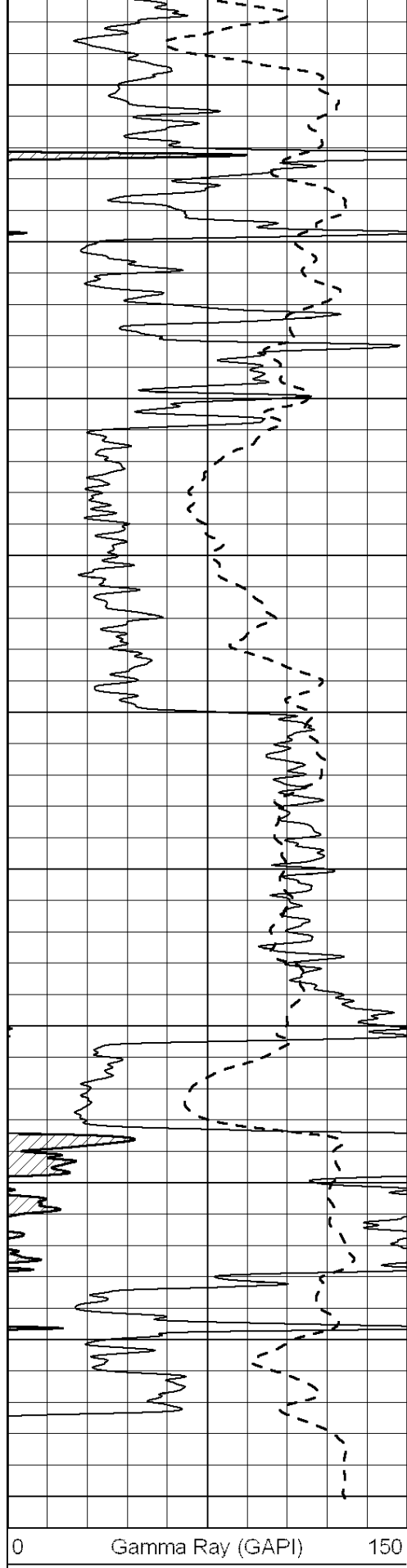
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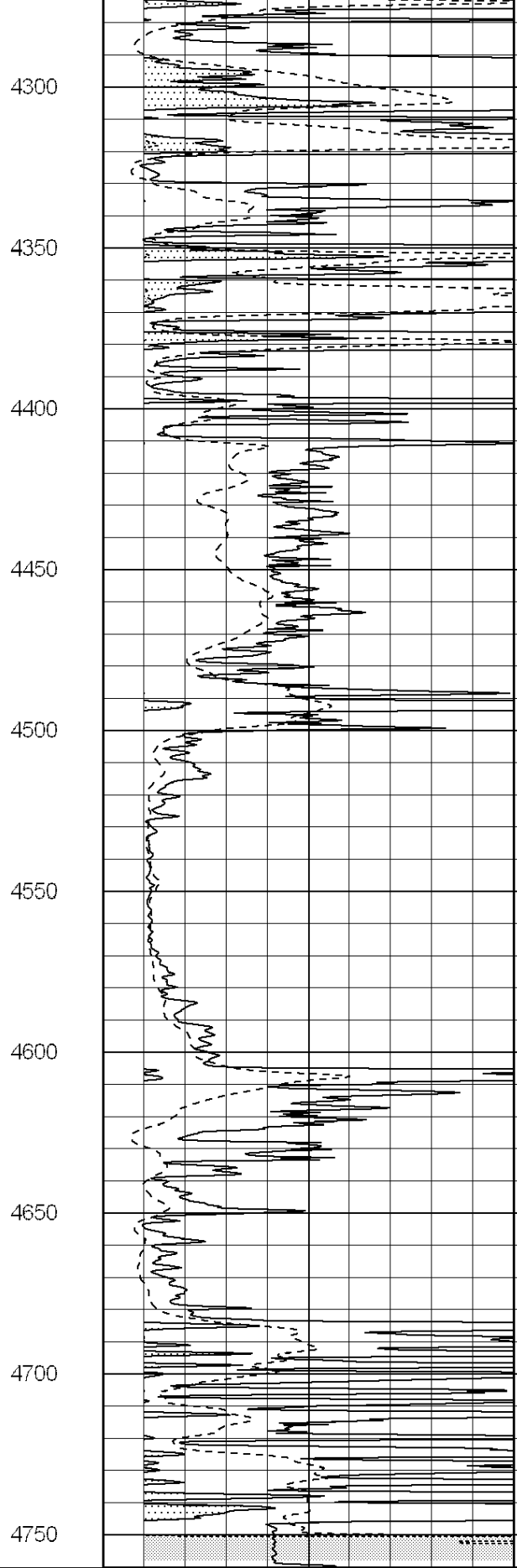
4200

4250





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



0 CILD (mmho/m) 1000



SUPERIOR

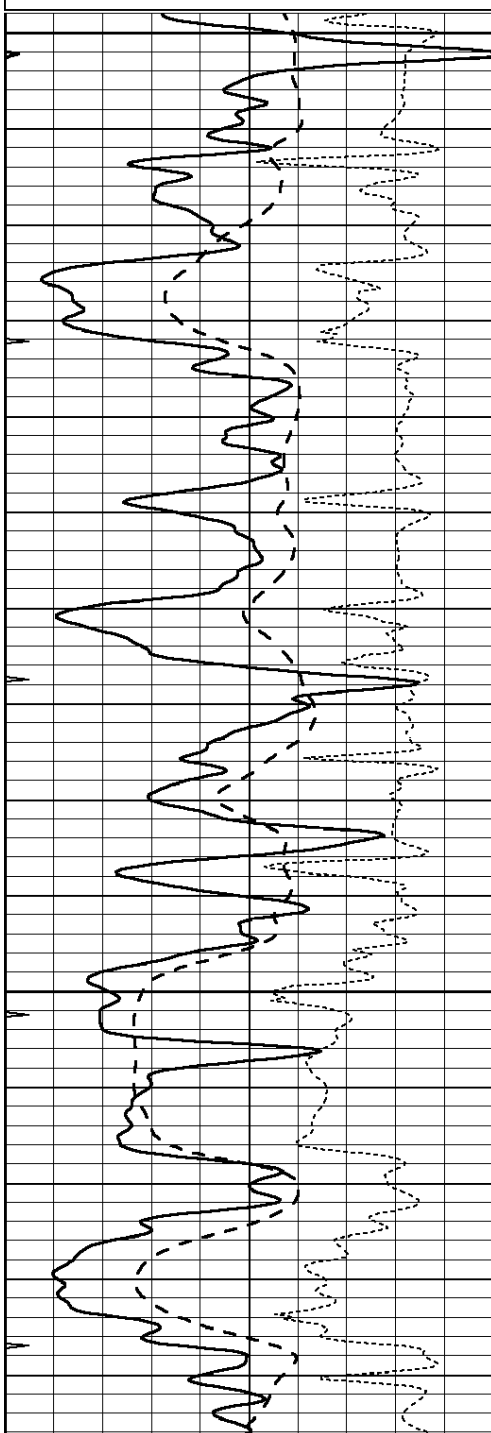
Hays,
Kansas

MAIN SECTION

Database File: 008784ddn.db
Dataset Pathname: pass3.A
Presentation Format: dil
Dataset Creation: Tue Jun 05 00:03:54 2012
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

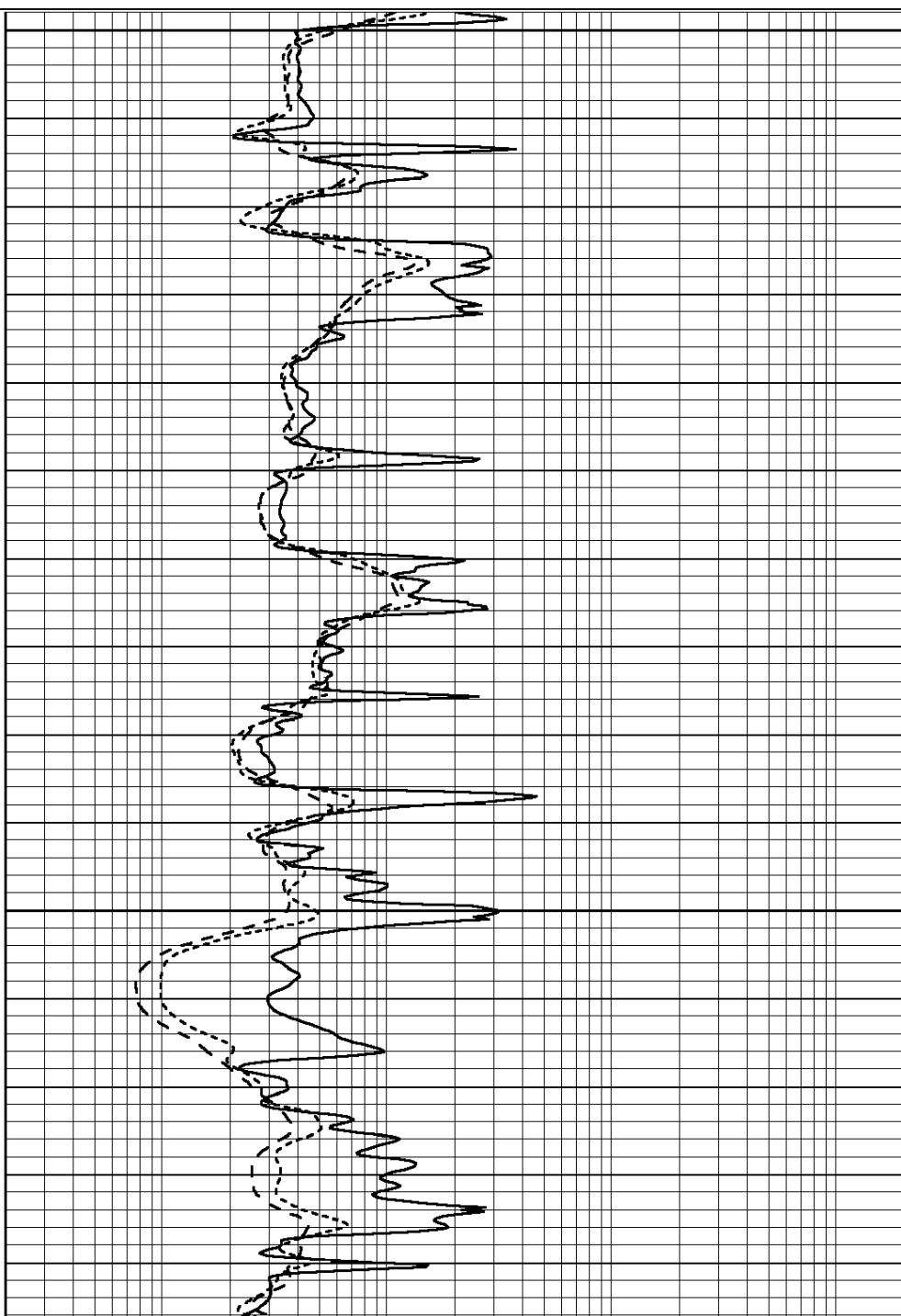
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

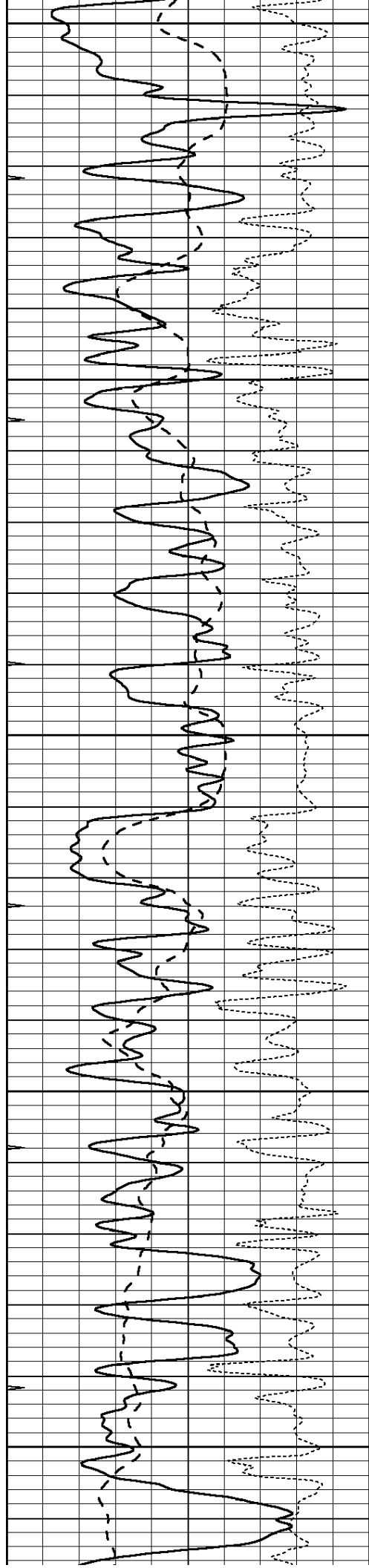


2400

2450

2500





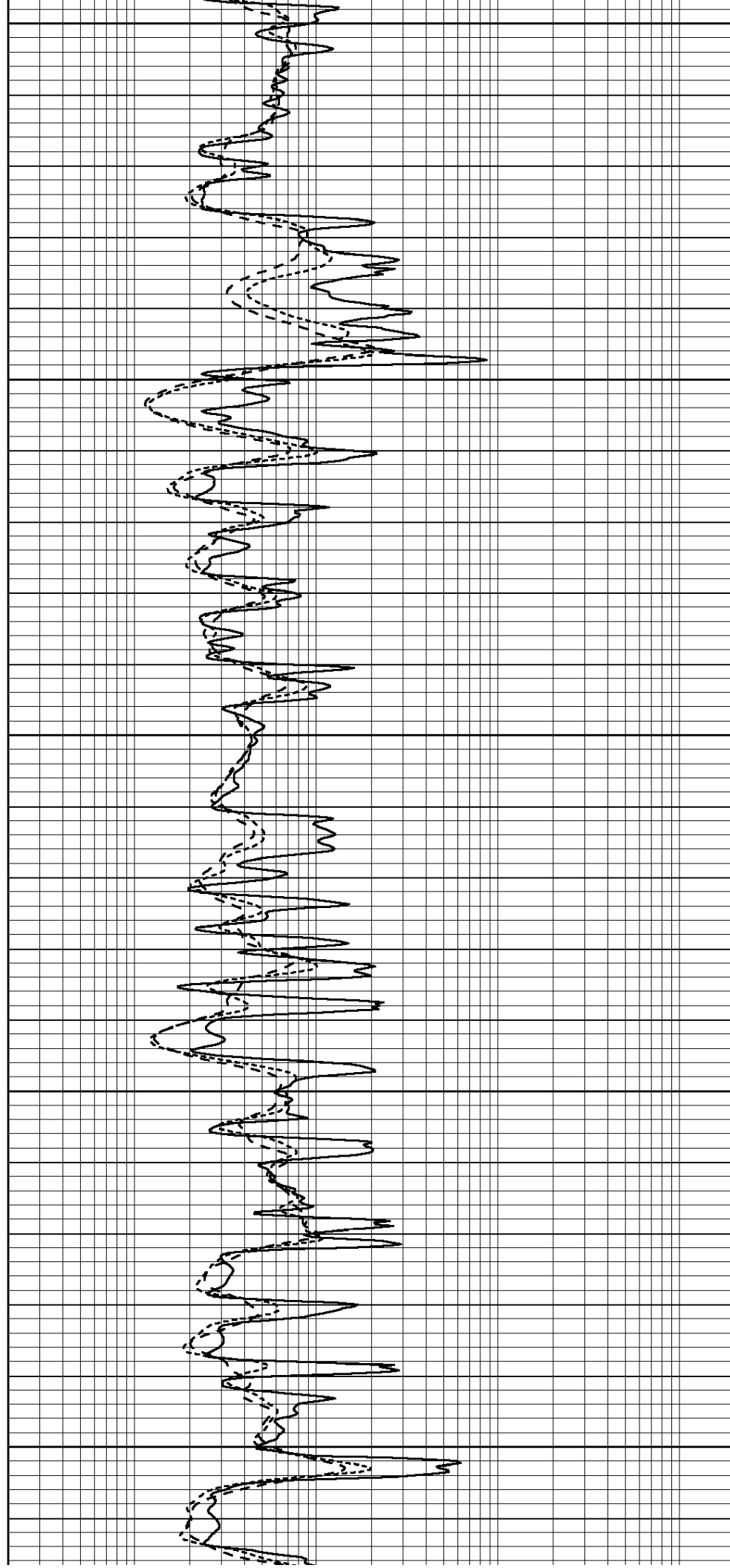
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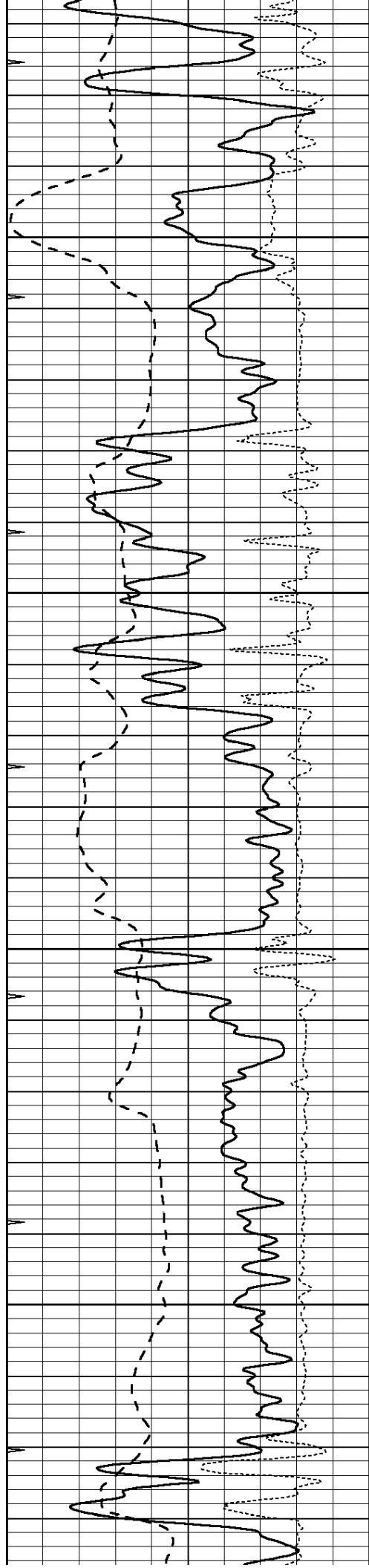
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2650

2700

2750



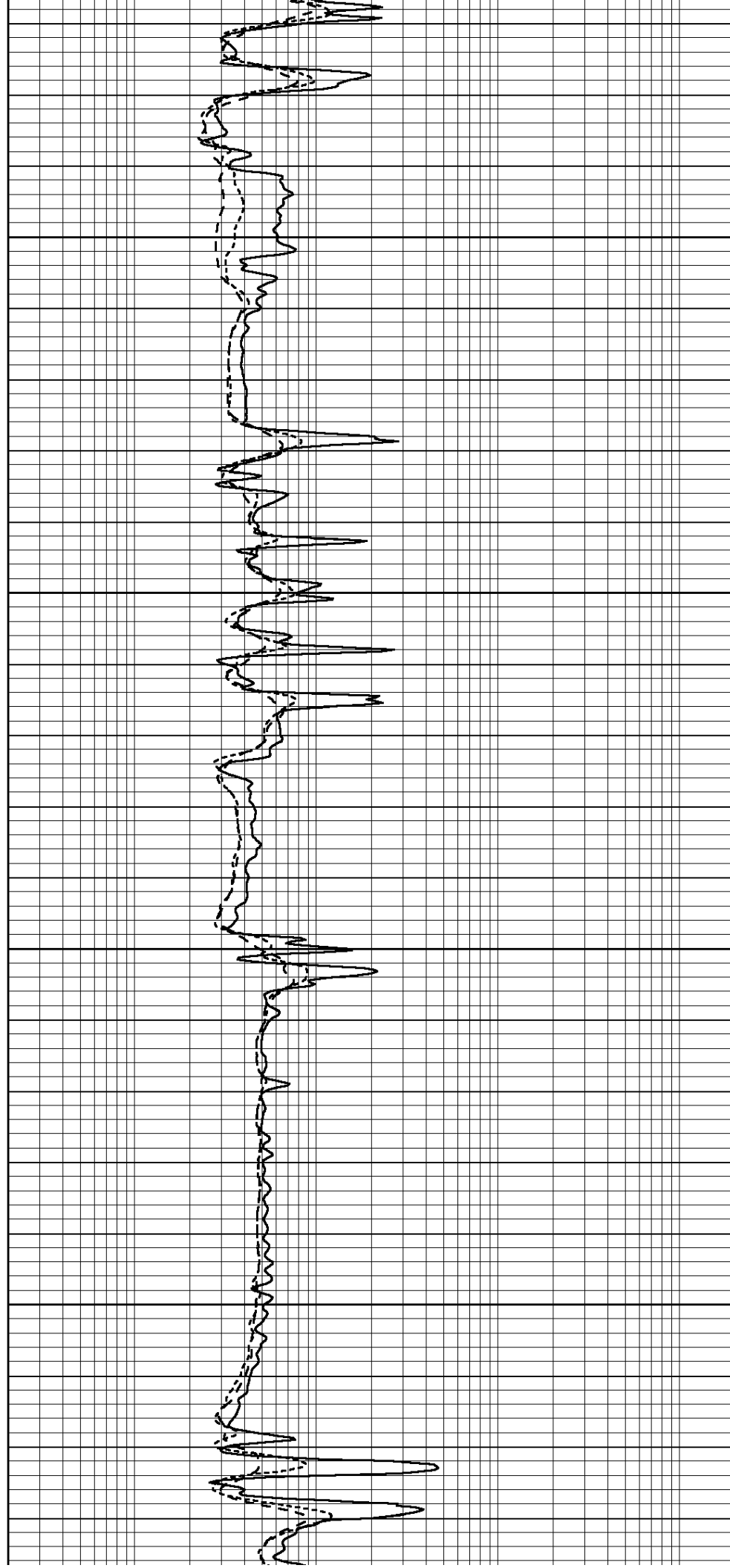


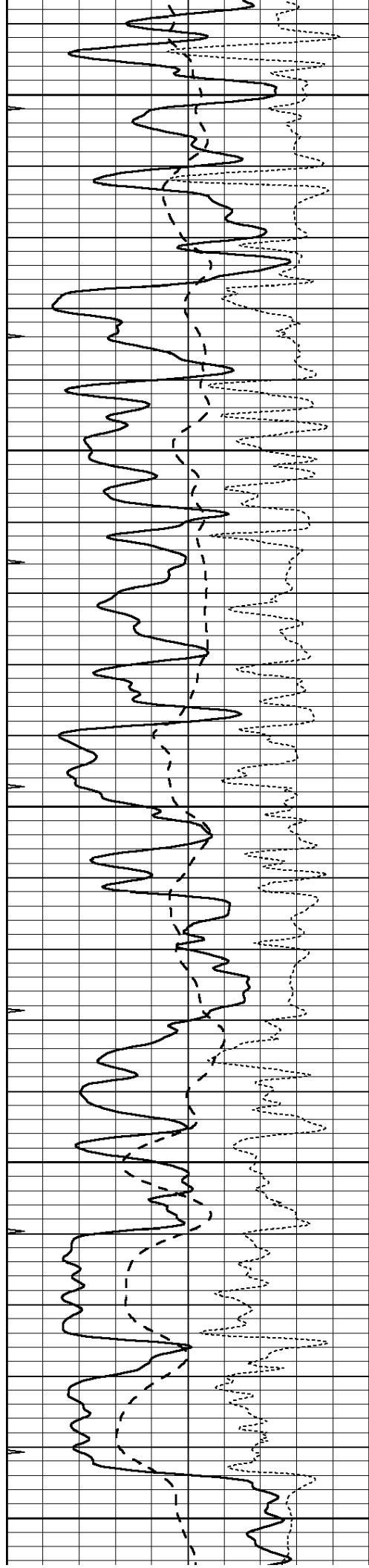
2800

2850

2900

2950





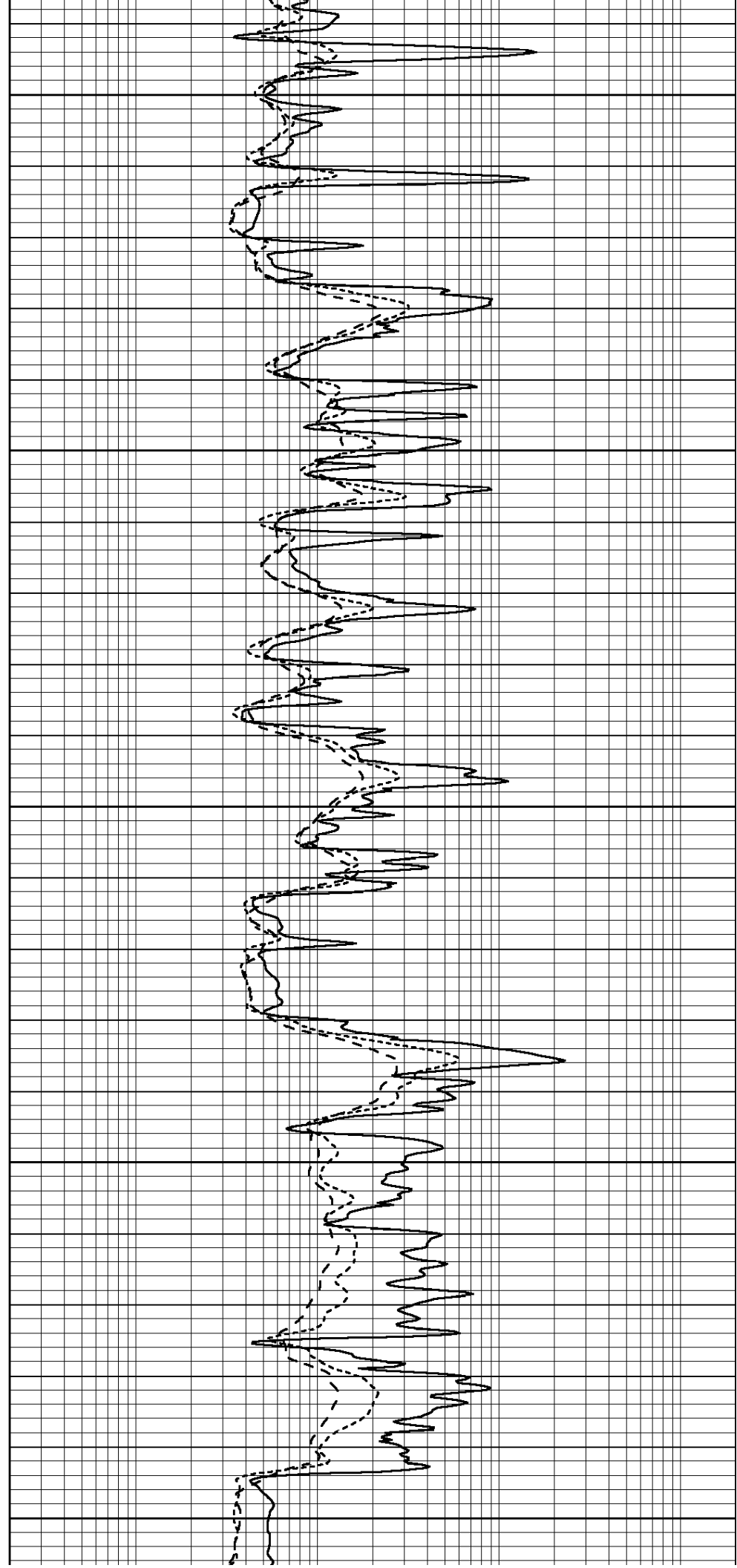
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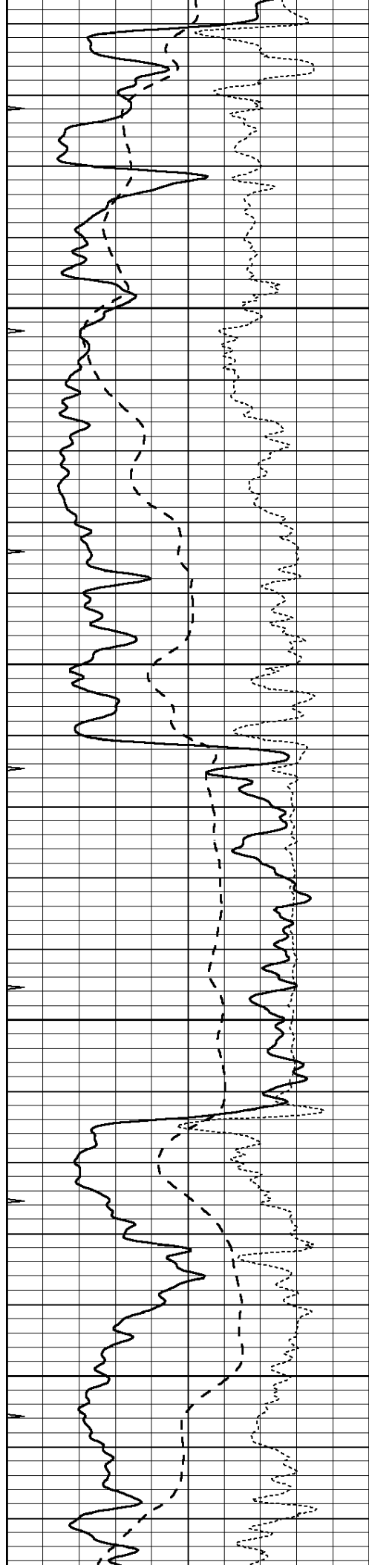
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3100

3150

3200



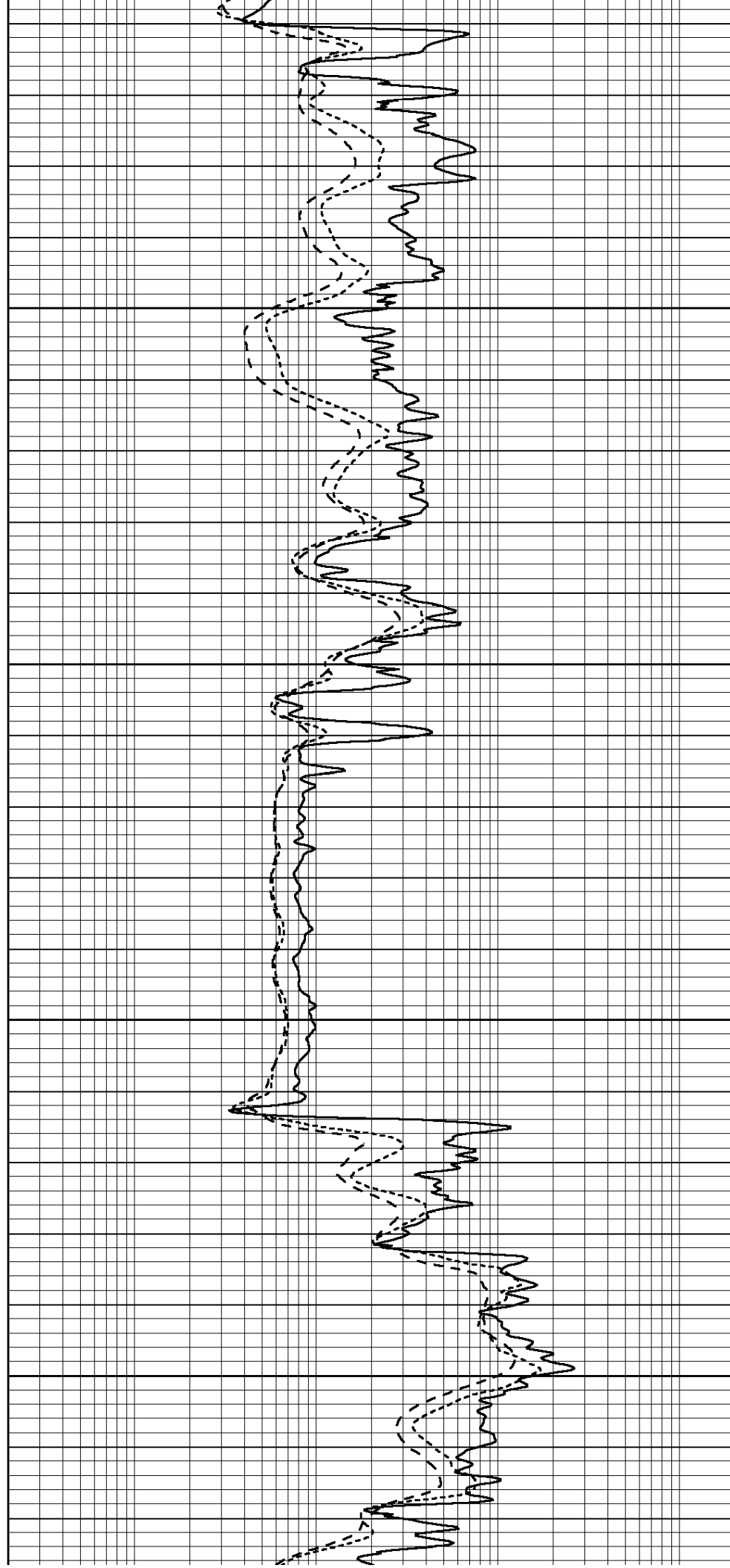


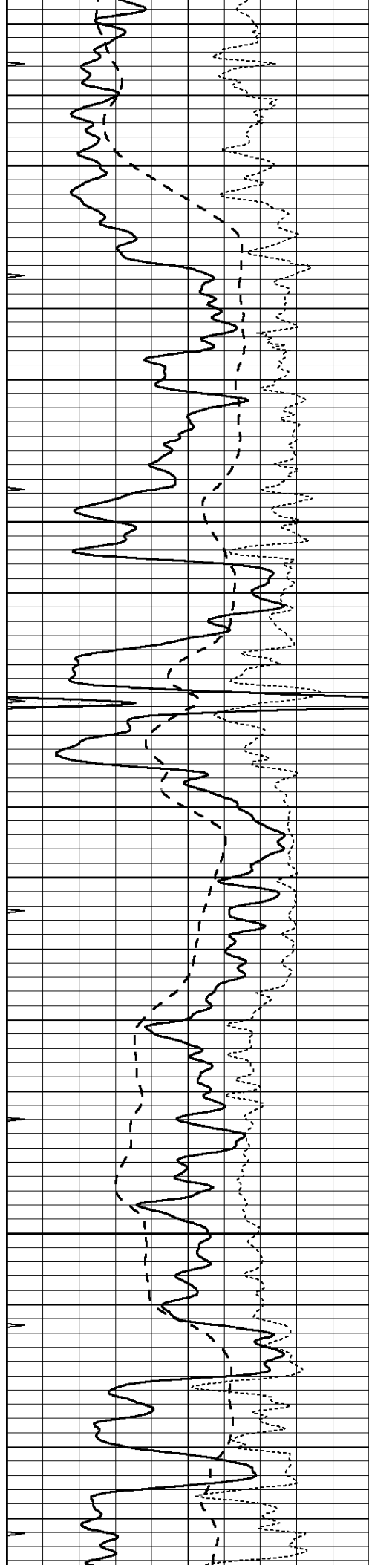
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3300

3350

3400



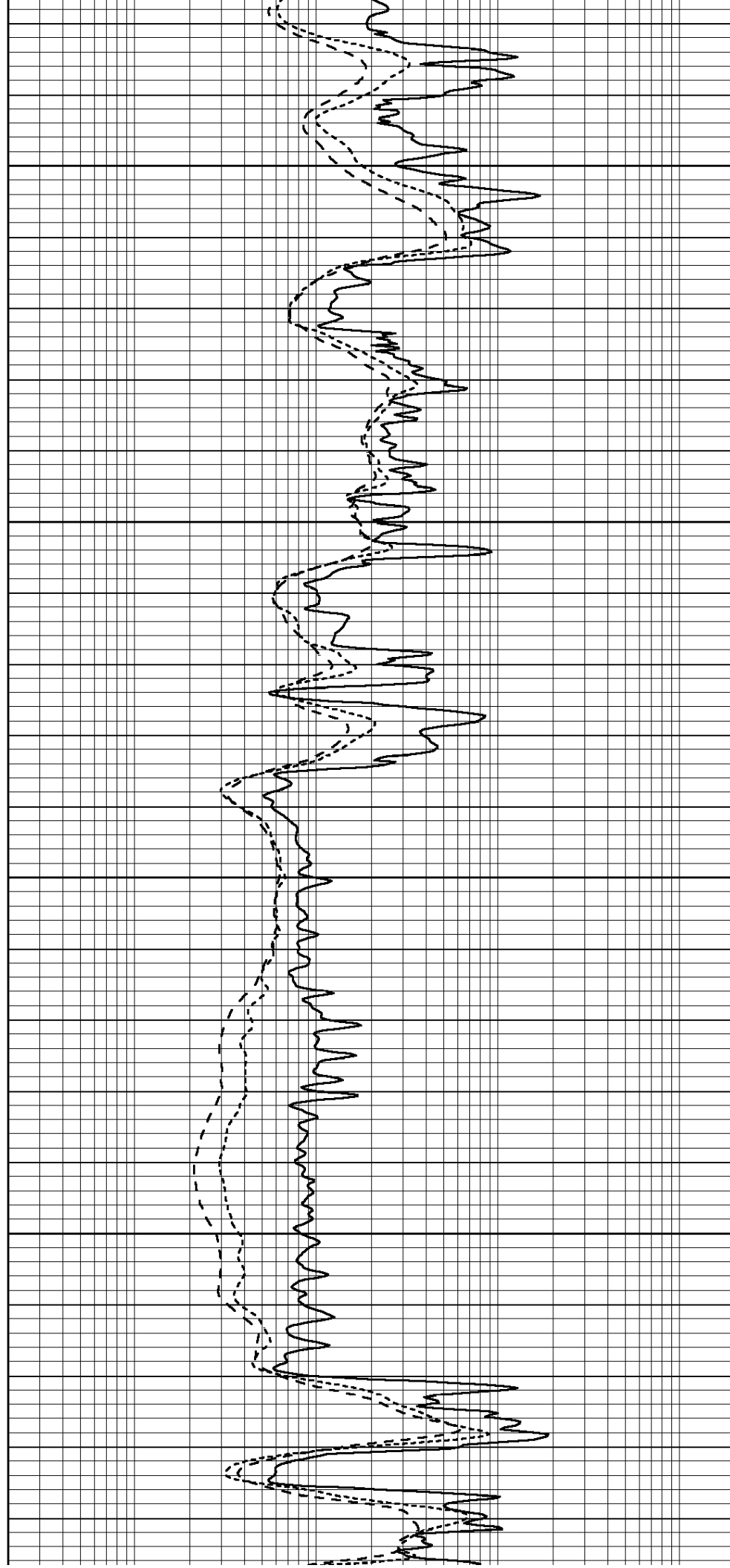


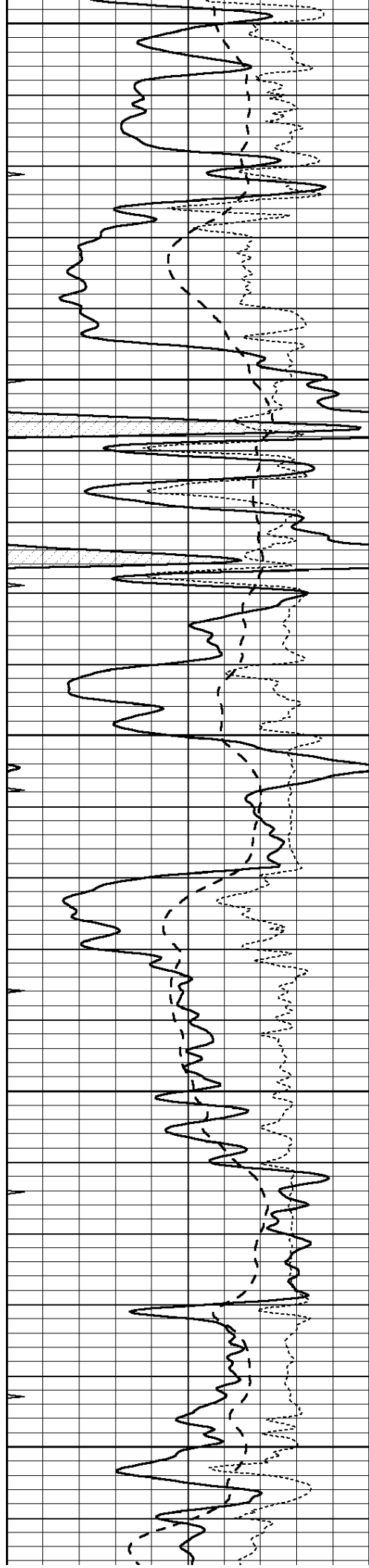
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3500

3550

3600





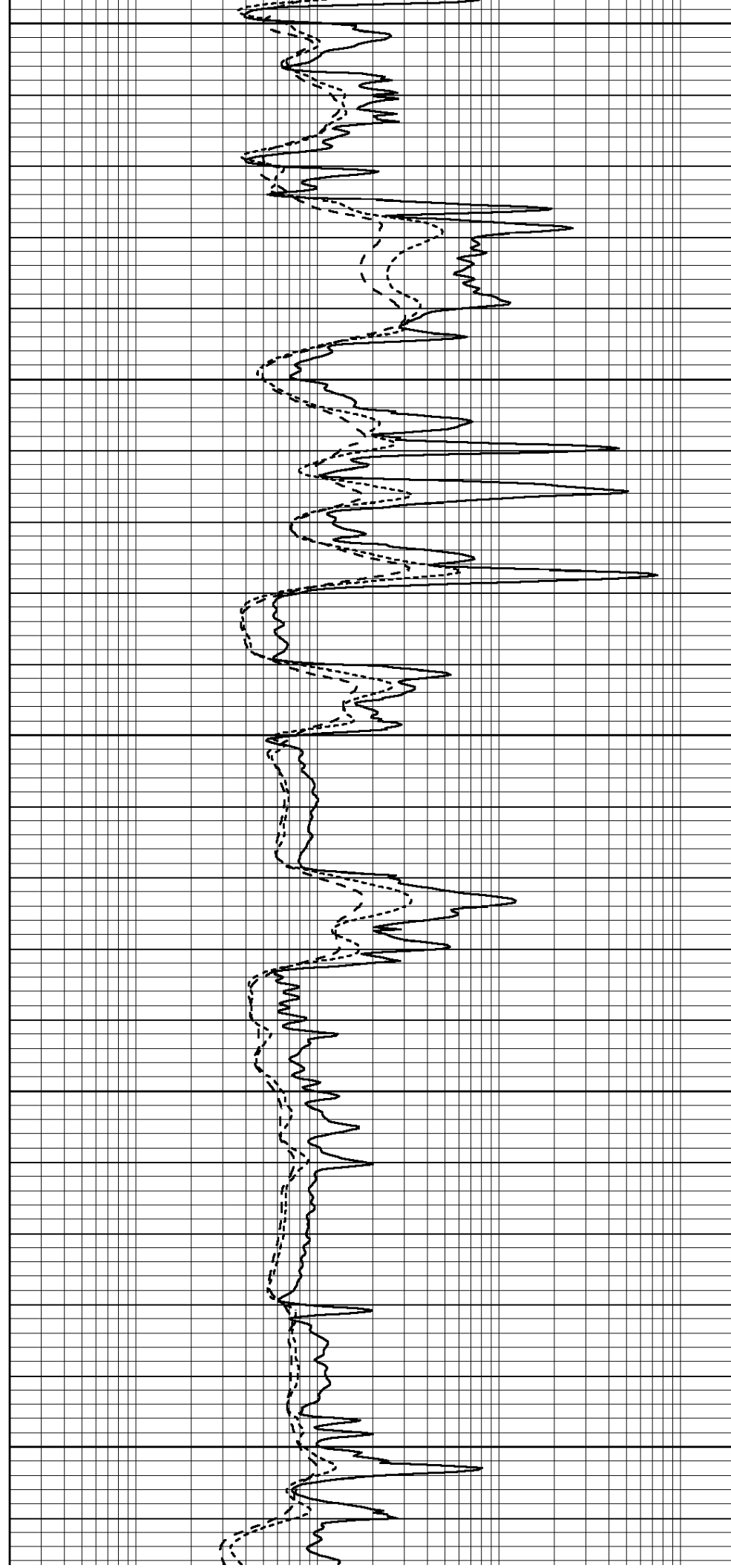
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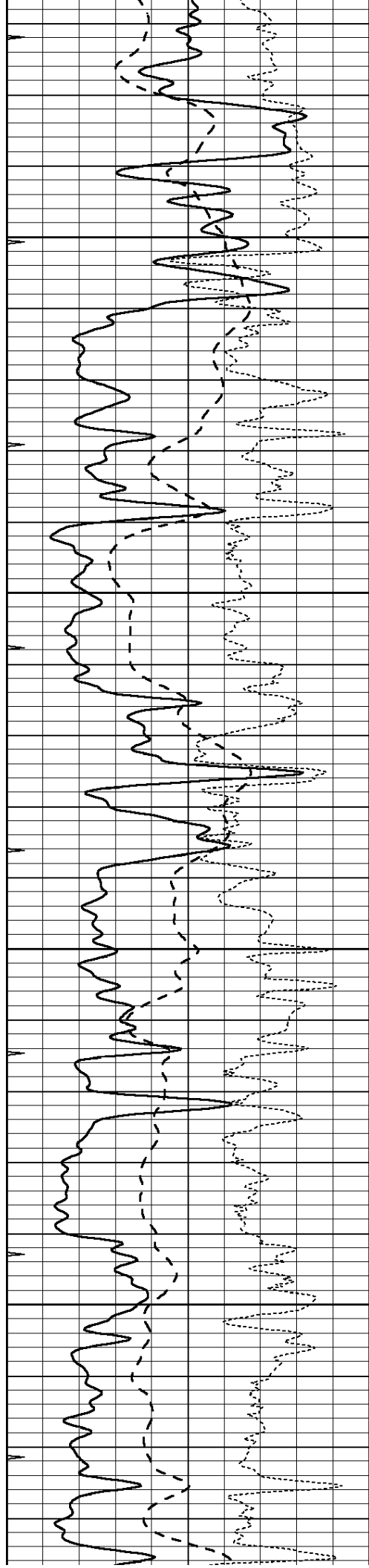
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3750

3800

3850



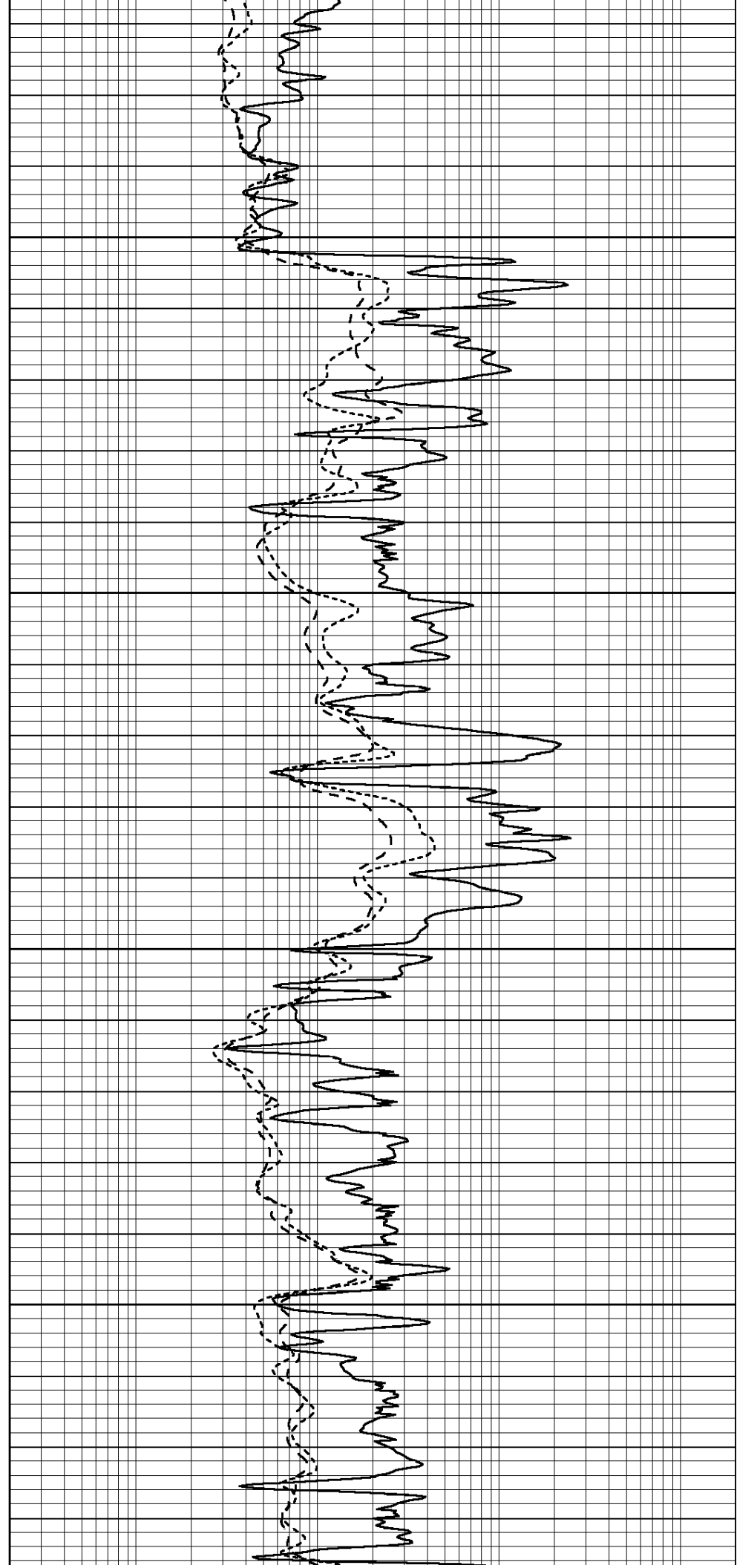


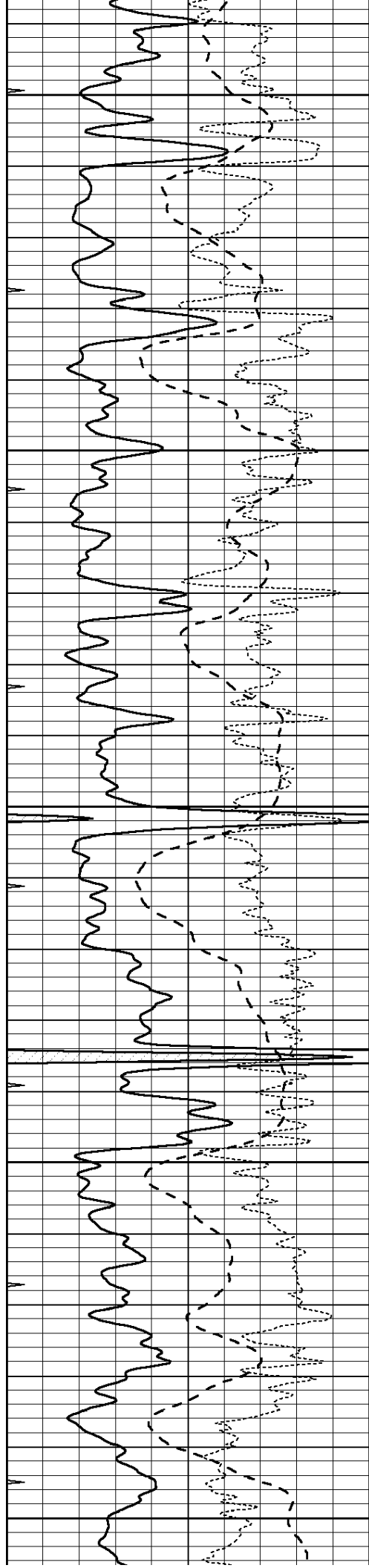
3900

3950

4000

4050





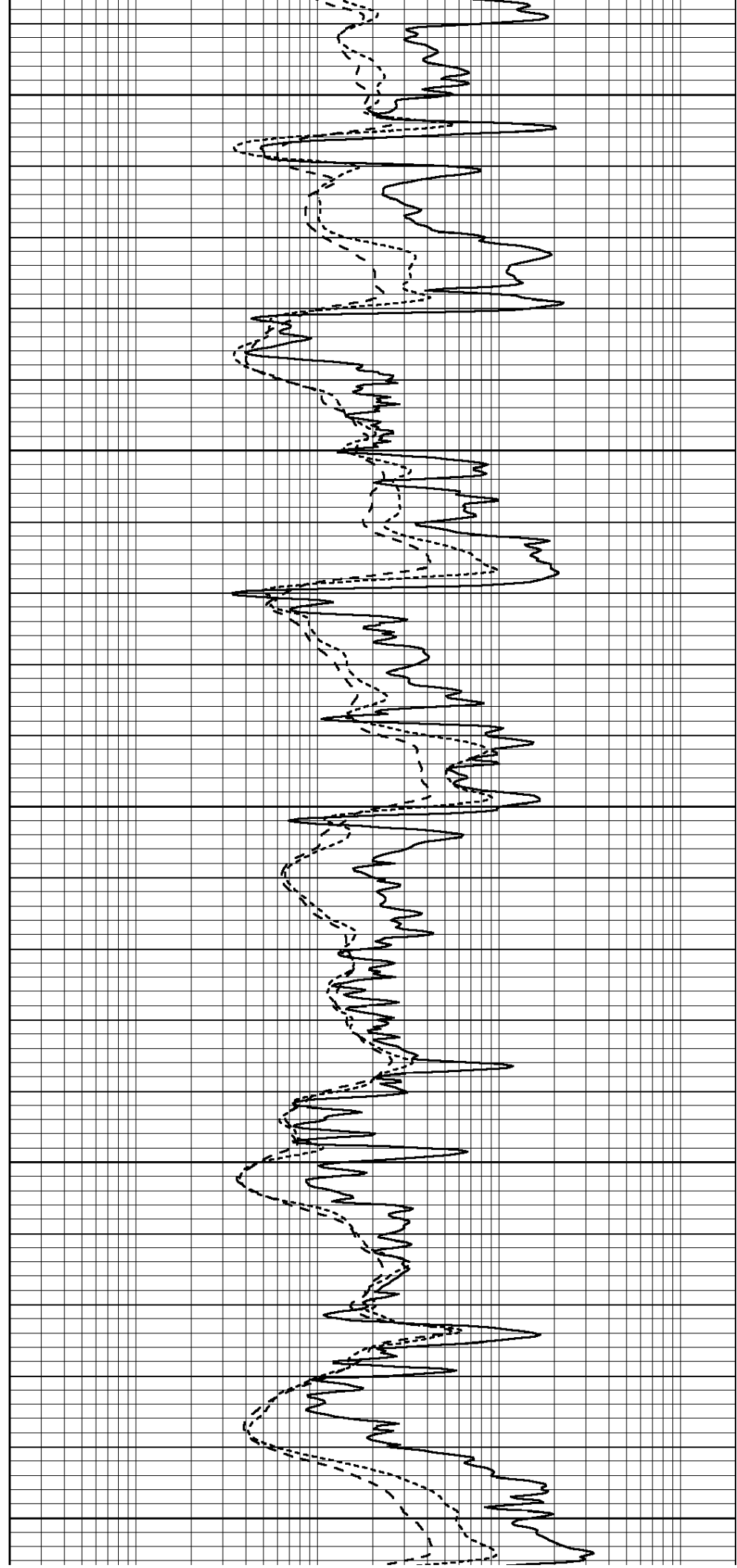
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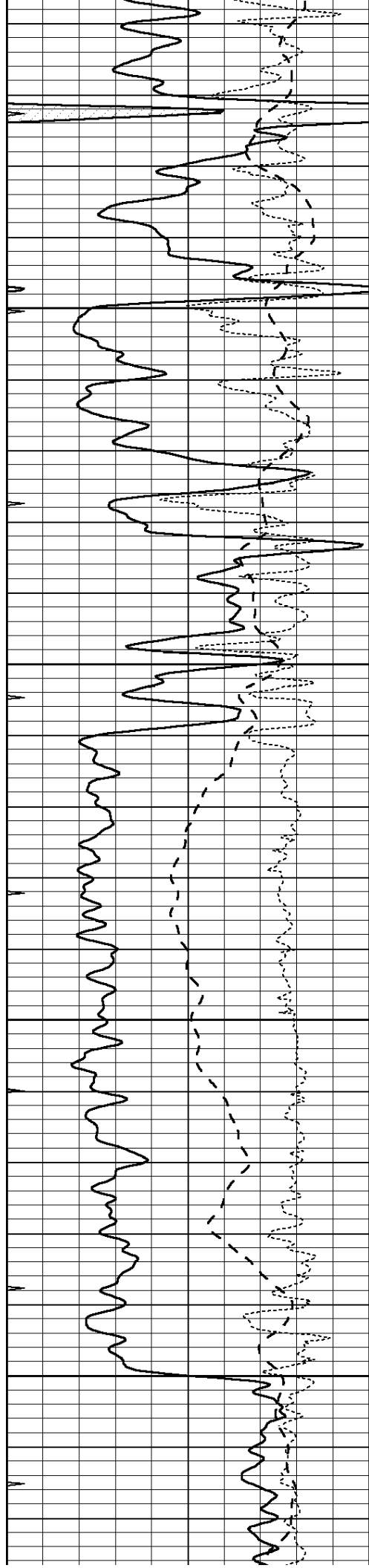
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4200

4250

4300



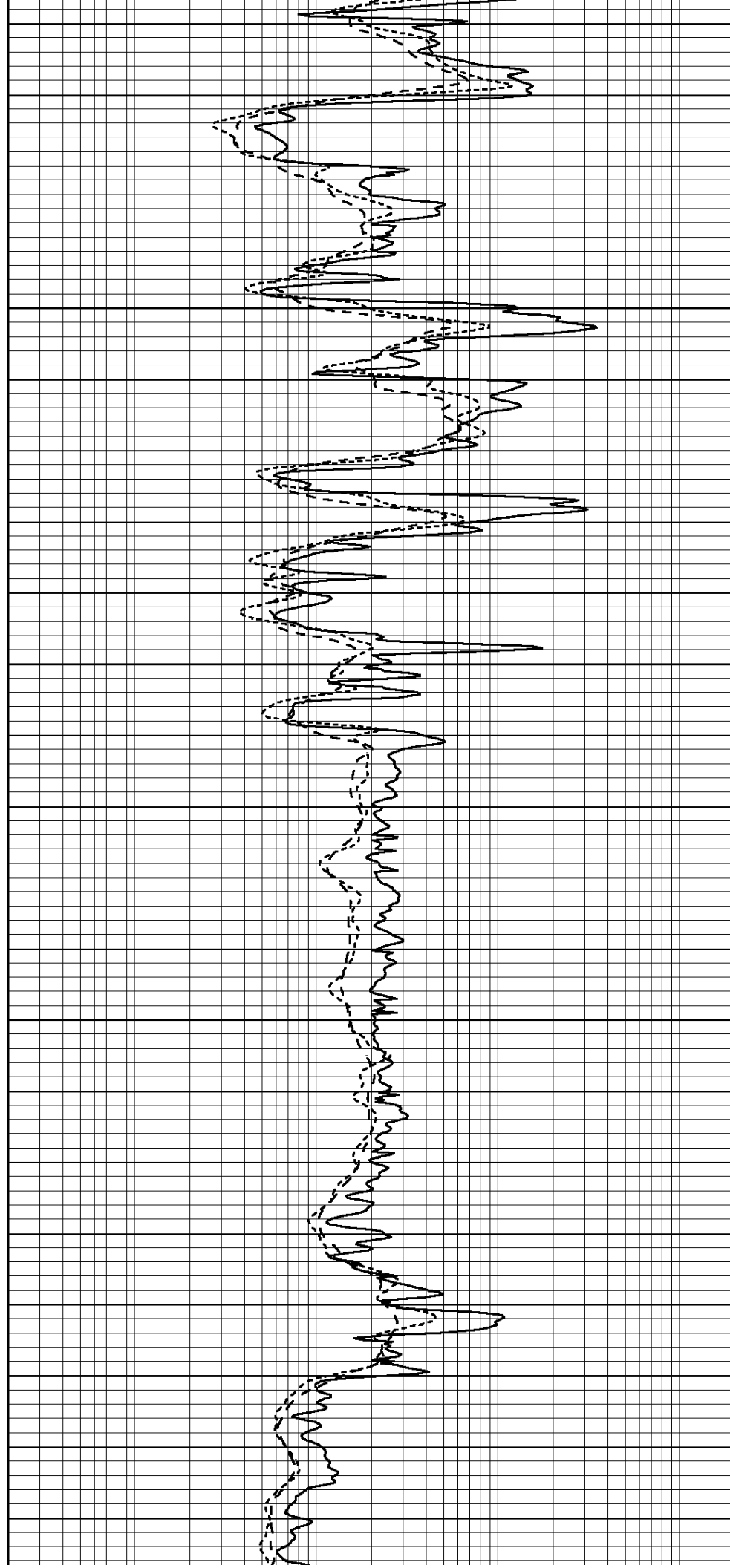


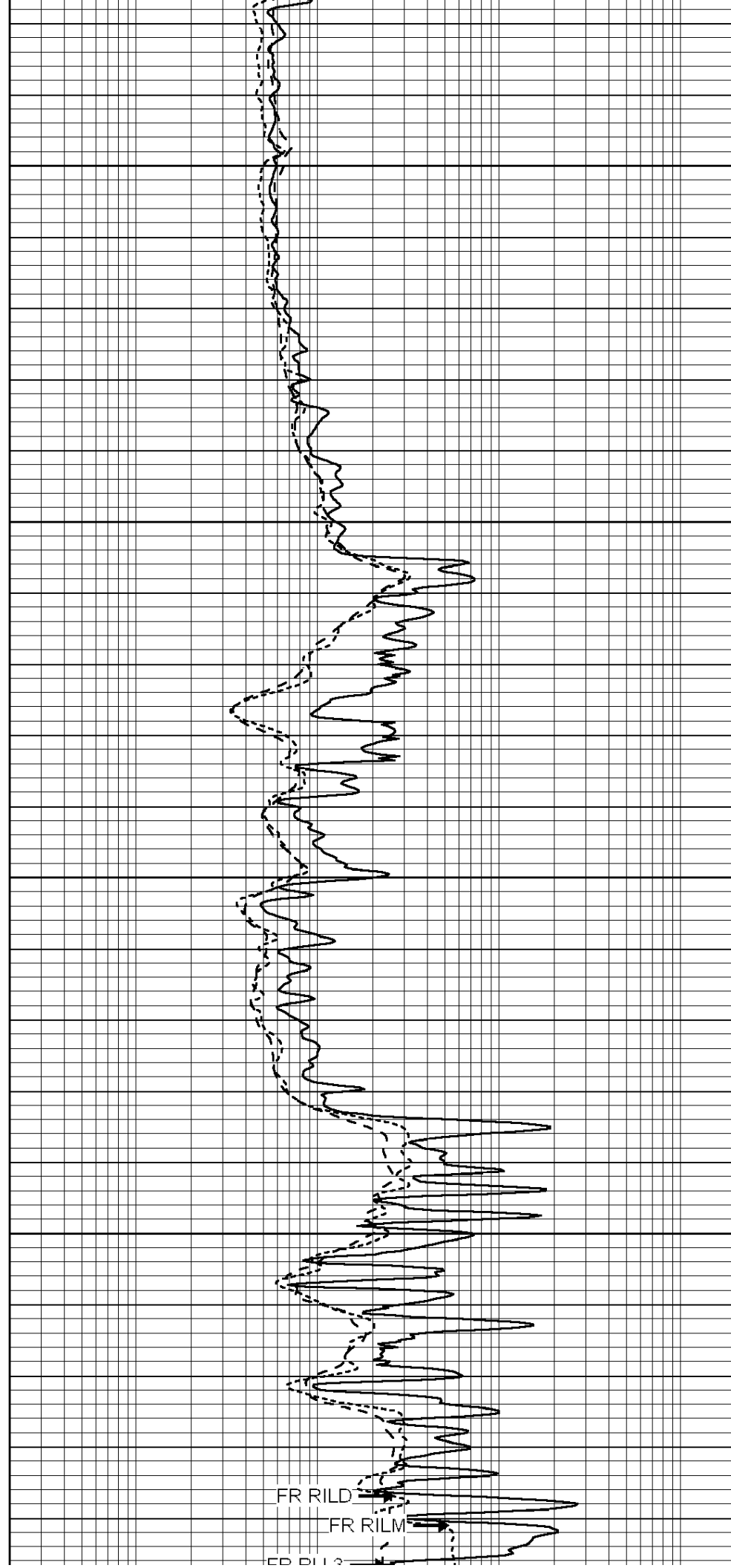
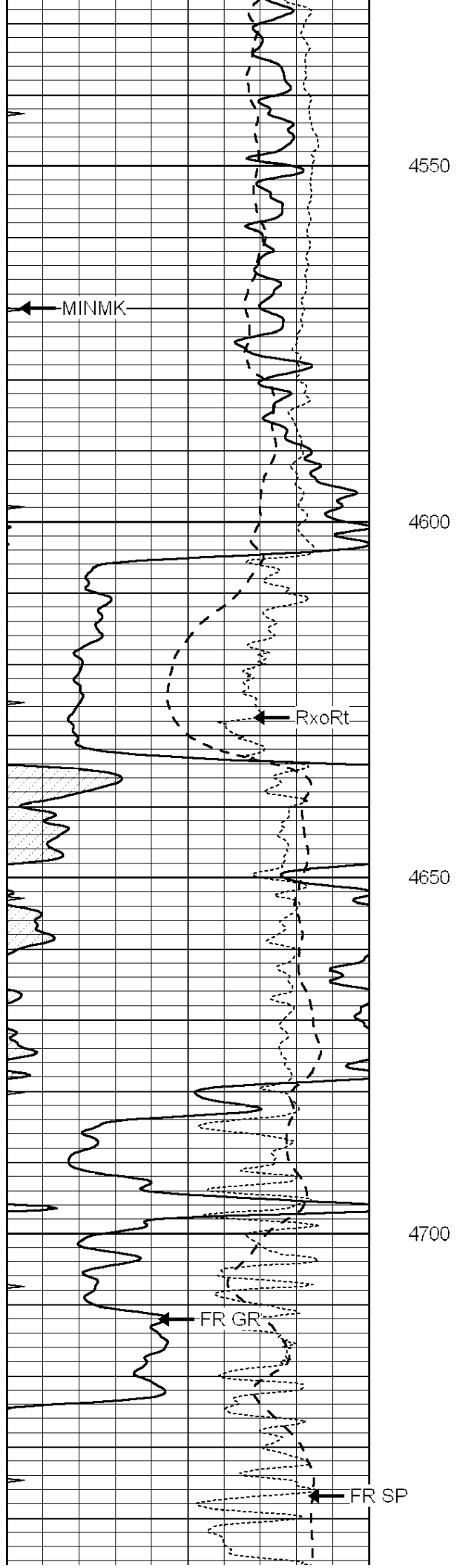
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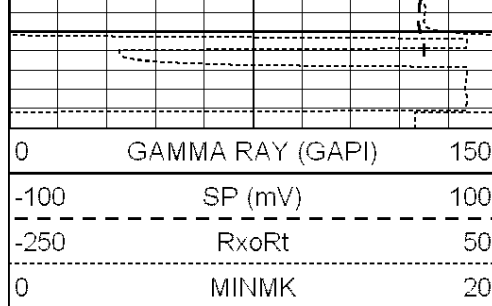
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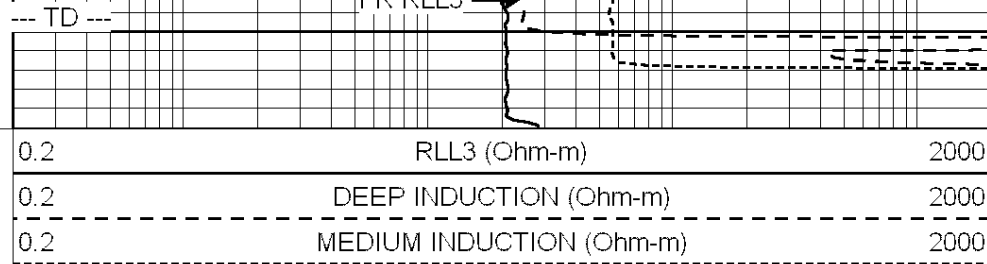
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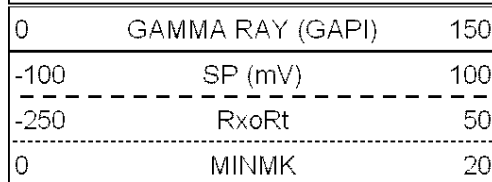
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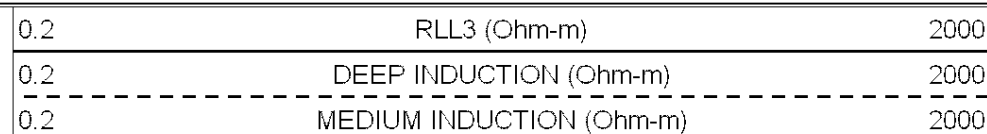
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 008784ddn.db
Dataset Pathname: pass2.1A
Presentation Format: dil
Dataset Creation: Mon Jun 04 23:51:29 2012
Charted by: Depth in Feet scaled 1:240

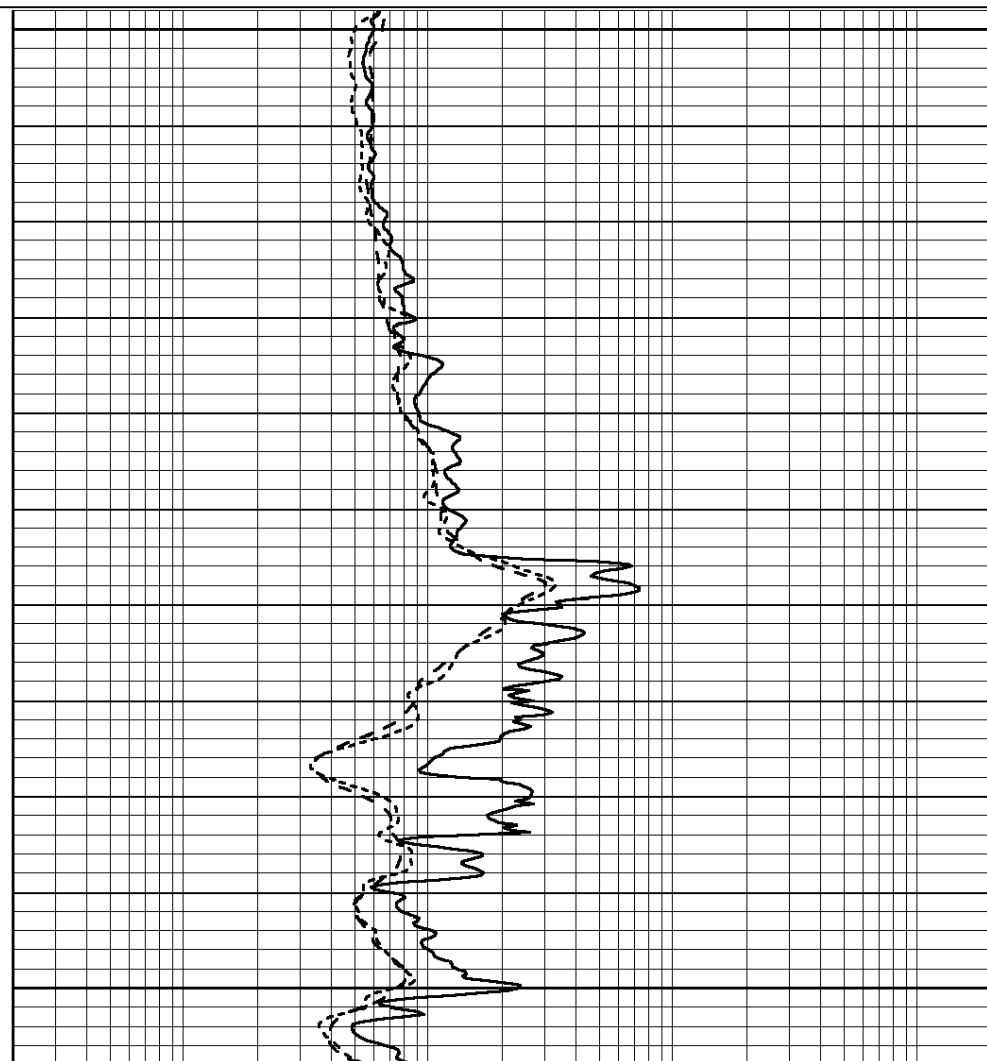
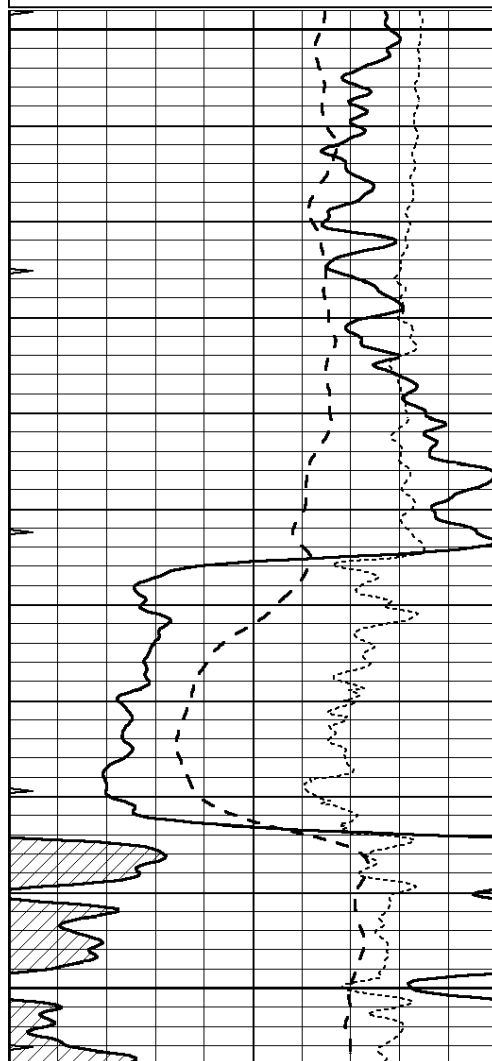


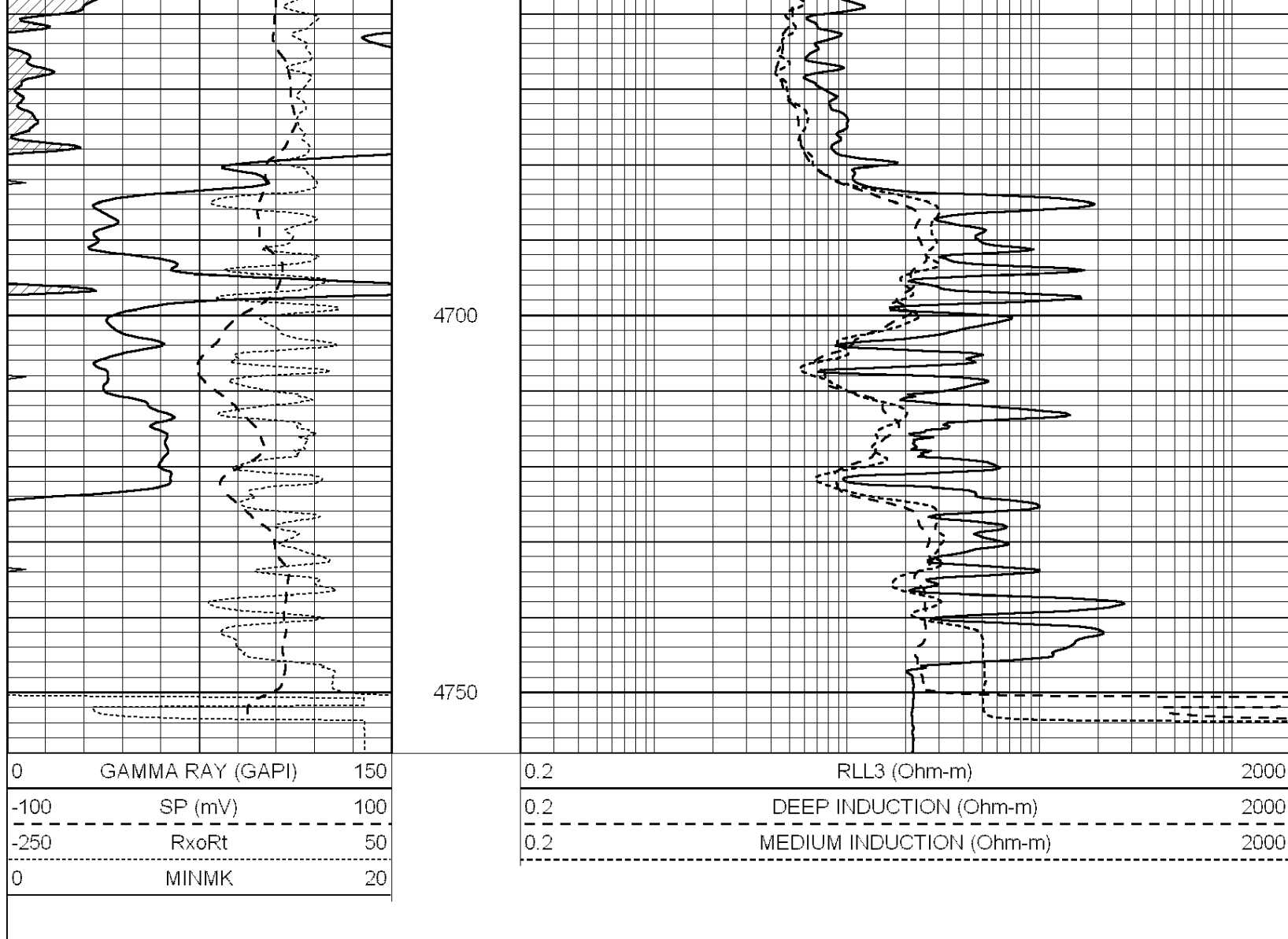
4550



4600

4650





Calibration Report

Database File: 008784ddn.db
 Dataset Pathname: pass3.A
 Dataset Creation: Tue Jun 05 00:03:54 2012

Dual Induction Calibration Report

Serial-Model: PROBE9-DILG
 Surface Cal Performed: Mon Jun 04 20:32:56 2012
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008
 After Survey Verification Performed: Fri Jun 01 07:32:39 2012

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	550.000	-13.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	540.000	-17.000
Internal:	Zero			Cal			m	
	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		

Compensated Density Calibration Report

Serial-Model:	GEAR2-GEARHART
Source / Verifier:	147 / 147
Master Calibration Performed:	Mon Jun 04 21:41:50 2012

Master Calibration						
	Density			Far Detector		Near Detector
Magnesium	1.710	g/cc		1203.63	642.89	cps
Aluminum	2.570	g/cc		267.51	439.63	cps
Spine Angle = 75.82			Density/Spine Ratio = 0.554			
	Size			Reading		
Small Ring	8.05	in		7.40	V	
Large Ring	14.00	in		8.90	V	

Compensated Neutron Calibration Report

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

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Mon Jun 04 20:32:21 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7500	GAPI/cps