



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company	RITCHIE EXPLORATION, INC.		
Well	#1 SMITH 25A		
Field			
County	WICHITA	State	KANSAS
Location:	API # : 15-203-20714		Other Services
	338' FNL & 2150' FEL		CDL/CNL
	SEC 25 TWP 17S RGE 35W		
Permanent Datum	GROUND LEVEL	Elevation	3156
Log Measured From	KELLY BUSHING 10' A.G.L.	K.B. 3166	
Drilling Measured From	KELLY BUSHING	D.F.	
		G.L. 3156	
Date	4-19-12		
Run Number	ONE		
Depth Driller	4985		
Depth Logger	4984		
Bottom Logged Interval	4983		
Top Log Interval	00		
Casing Driller	253		
Casing Logger	253		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.5 / 59		
pH / Fluid Loss	9.5 / 8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.70 @ 84F		
Rmf @ Meas. Temp	0.53 @ 84F		
Rmc @ Meas. Temp	0.84 @ 84F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.470 @ 125F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	7:30 P.M.		
Maximum Recorded Temperature	125F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	DAVE WILLIAMS		

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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: SCOTT CITY, W TO WICHITA CO. LINE, 7 1/2N, W INTO.

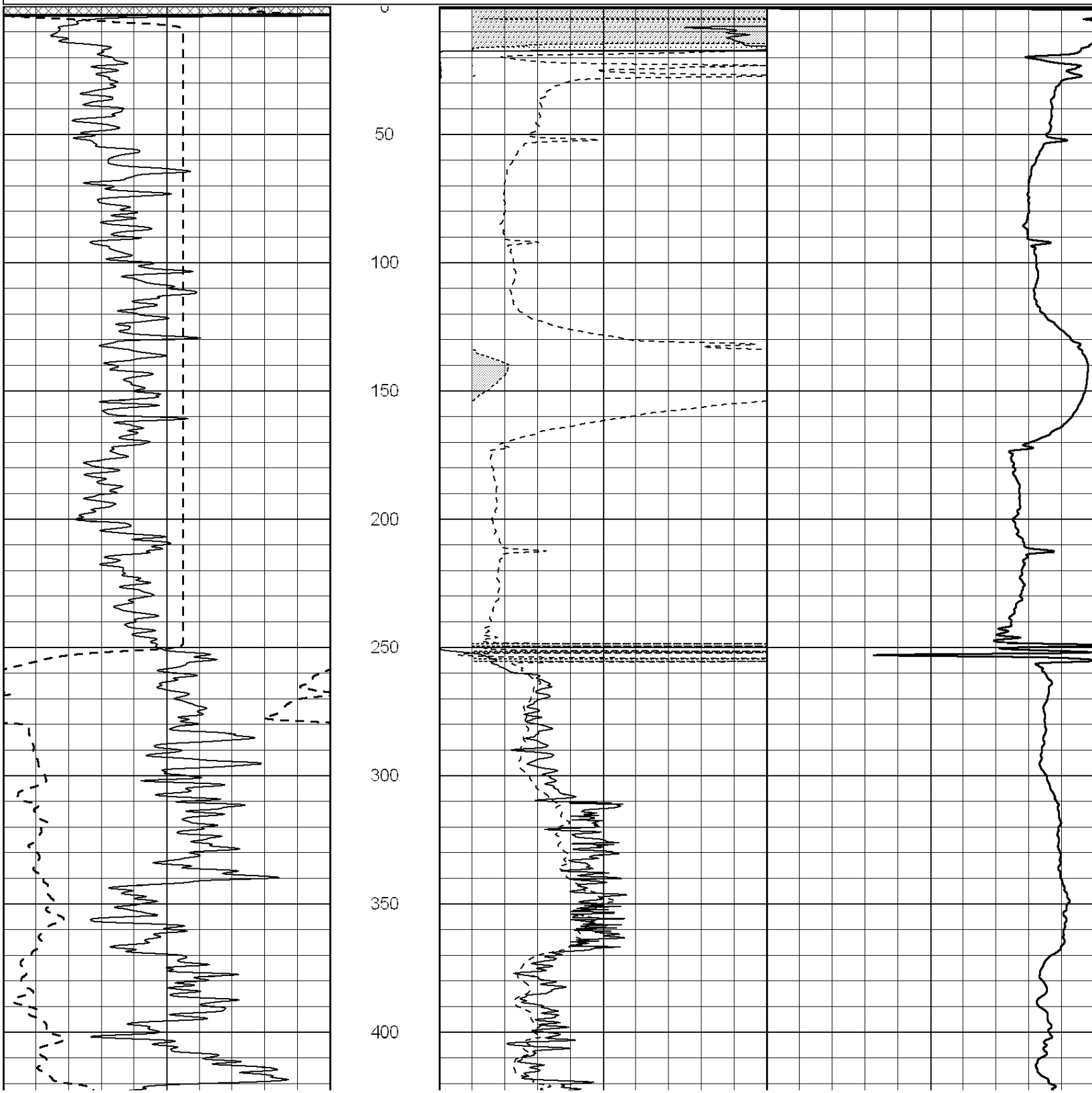


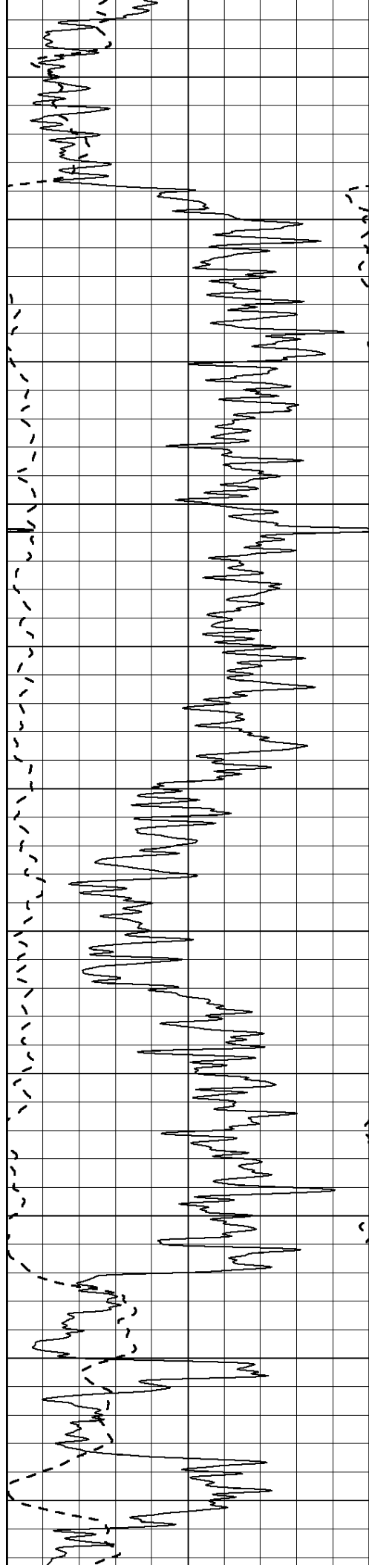
SUPERIOR
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MAIN SECTION

Database File: 008721ddn.db
 Dataset Pathname: pass5.1A
 Presentation Format: dil2
 Dataset Creation: Thu Apr 19 21:20:08 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

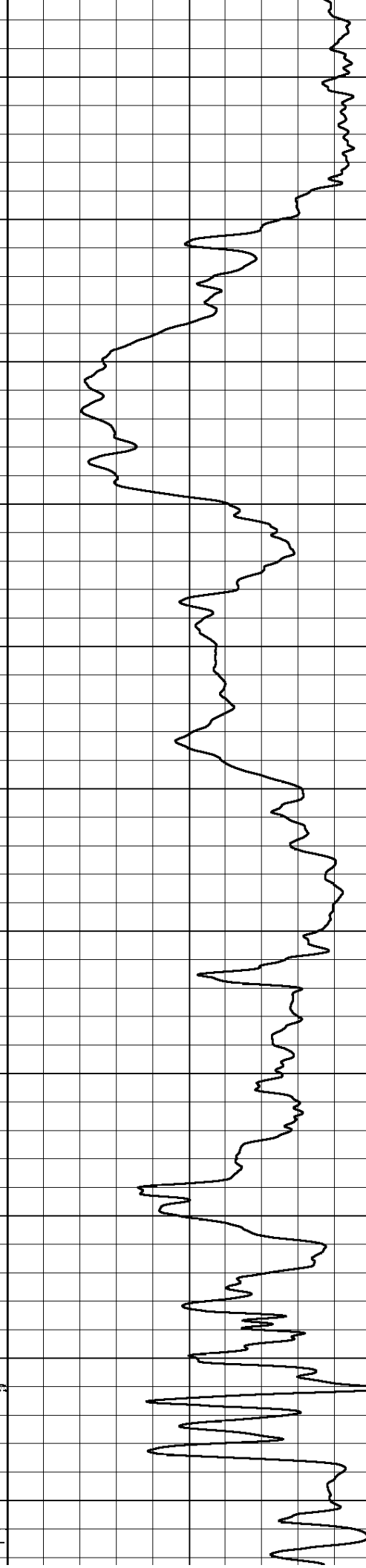
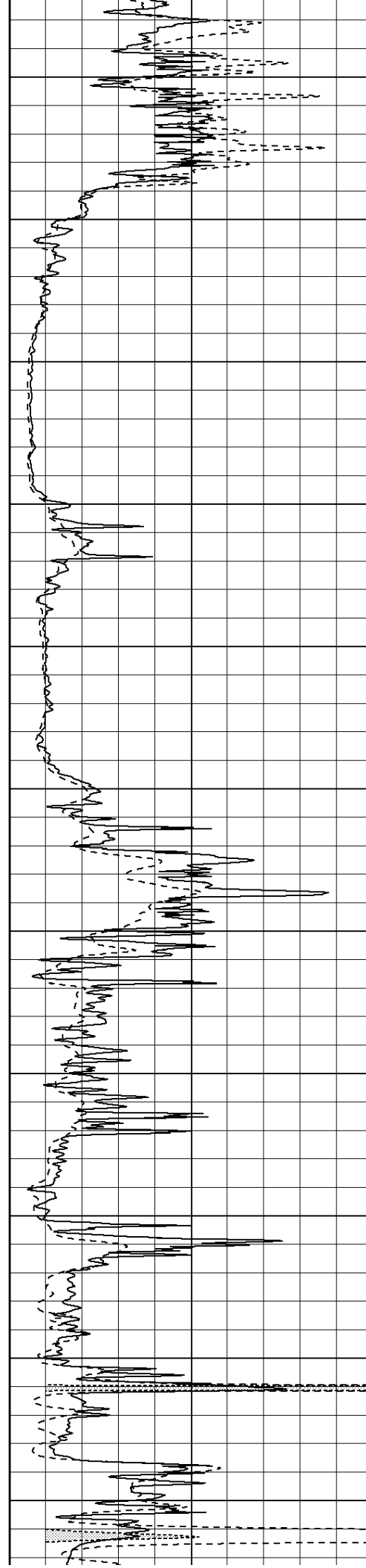
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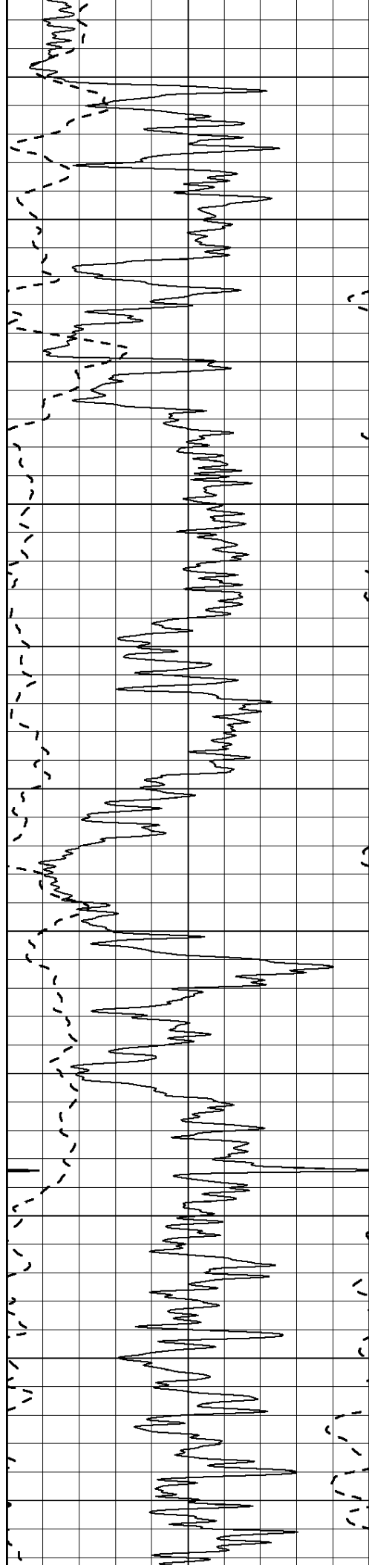
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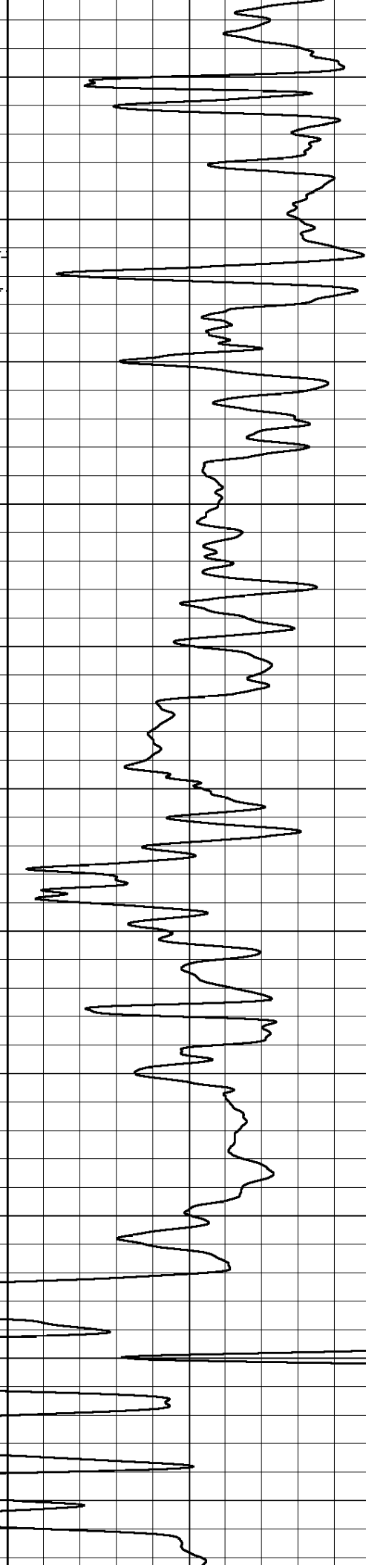
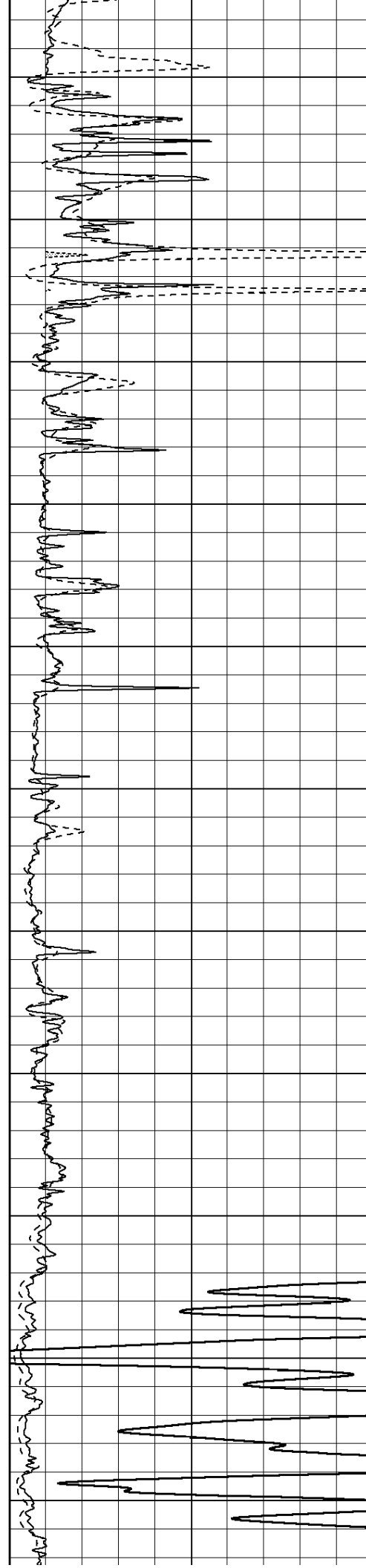
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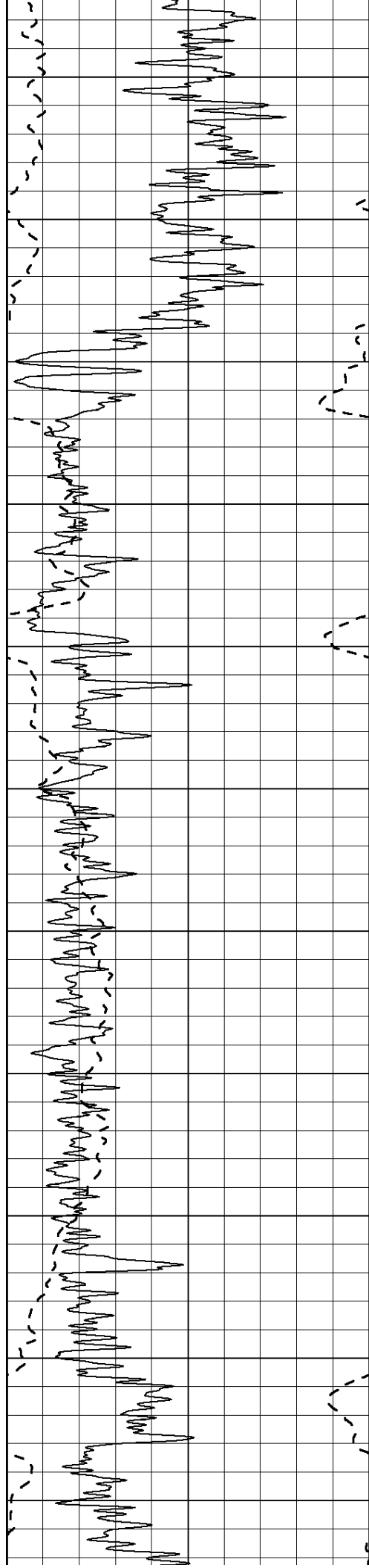
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1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500





1550

1600

1650

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1750

1800

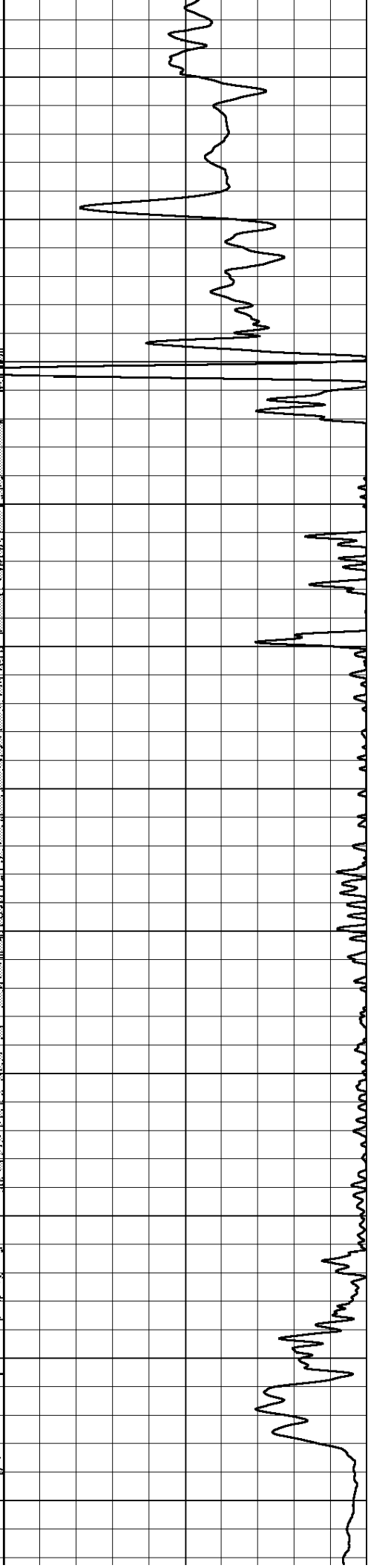
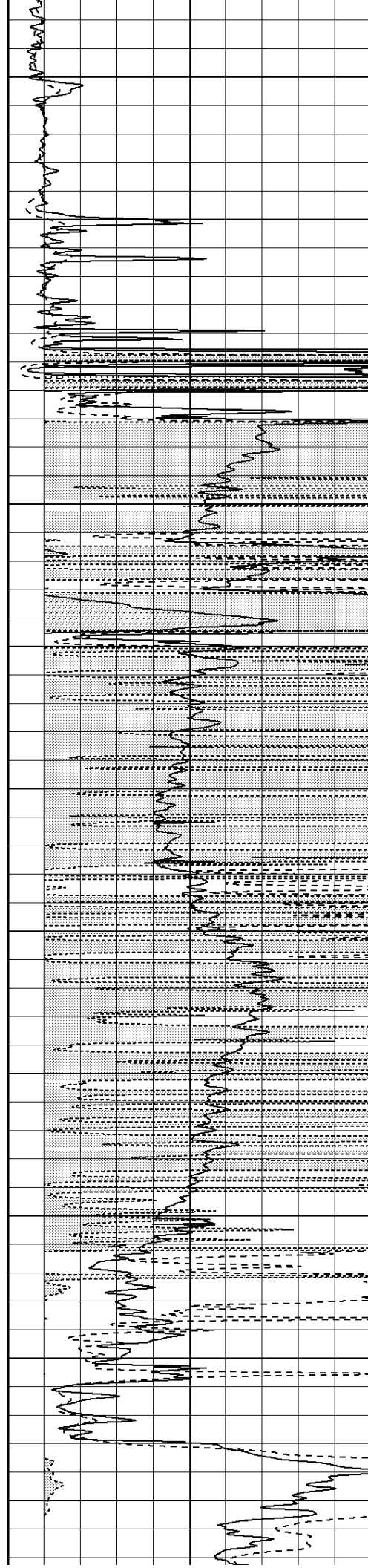
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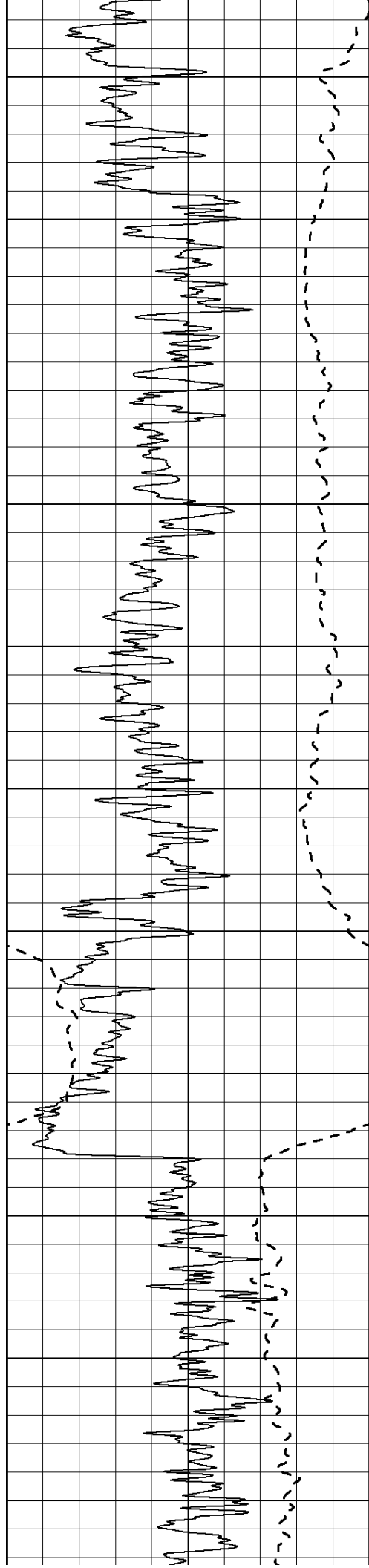
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1950

2000

2050





2100

2150

2200

2250

2300

2350

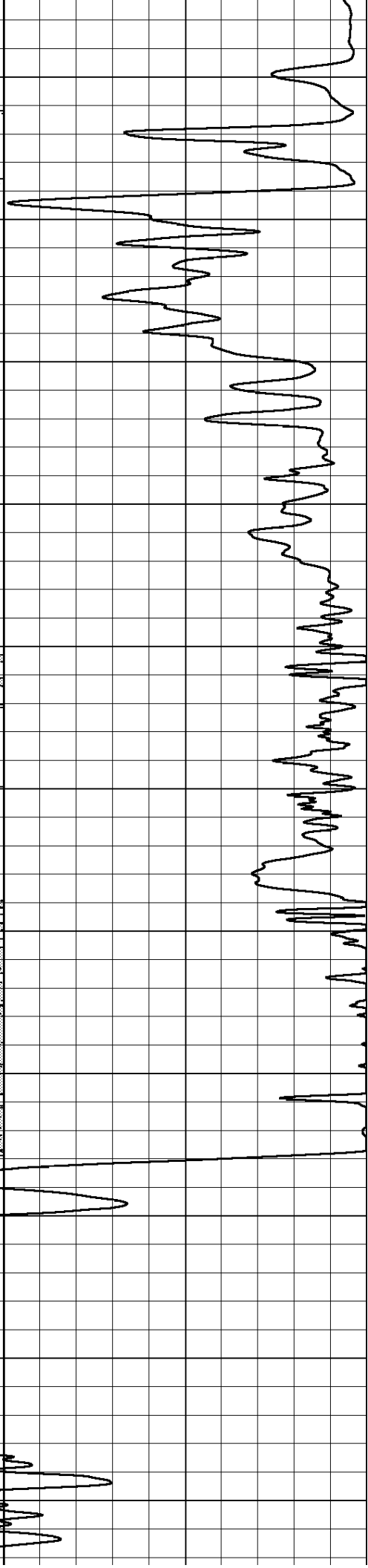
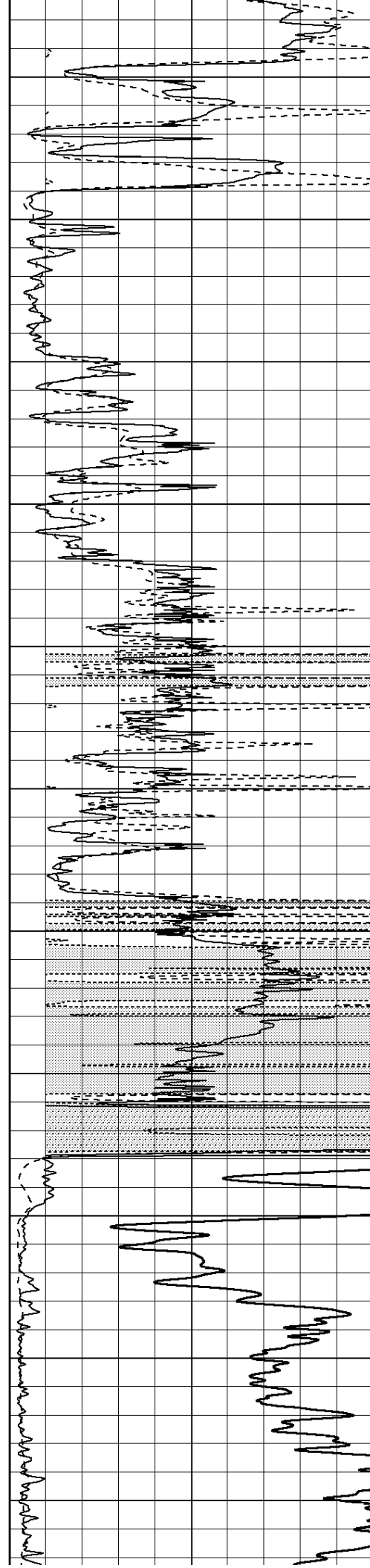
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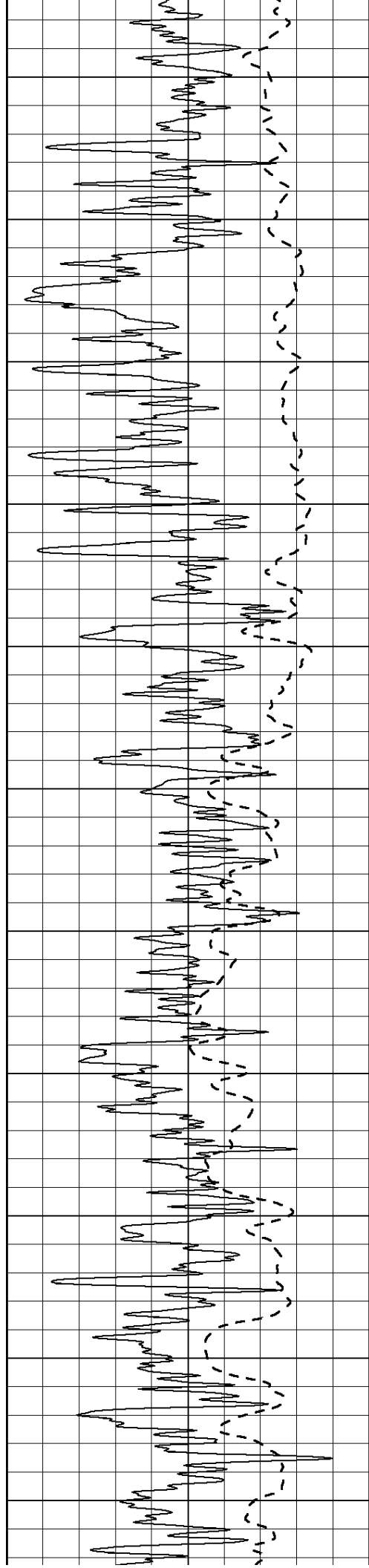
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2550

2600





2650

2700

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2800

2850

2900

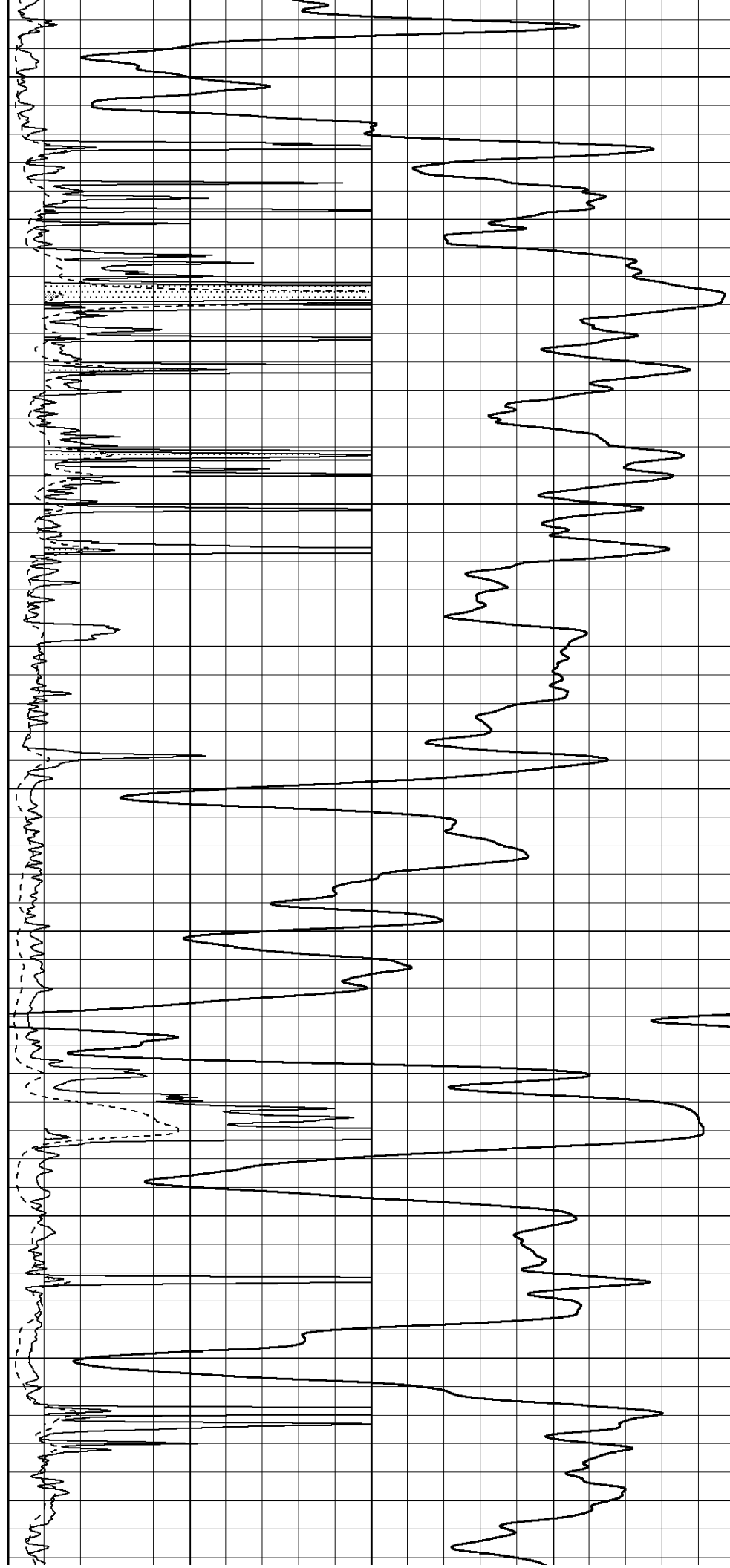
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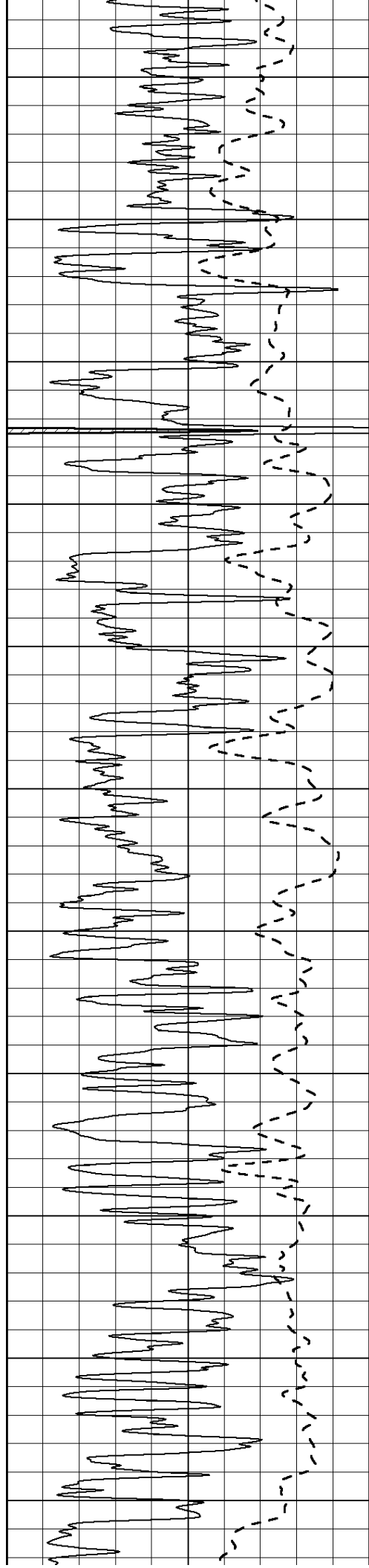
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3350

3400

3450

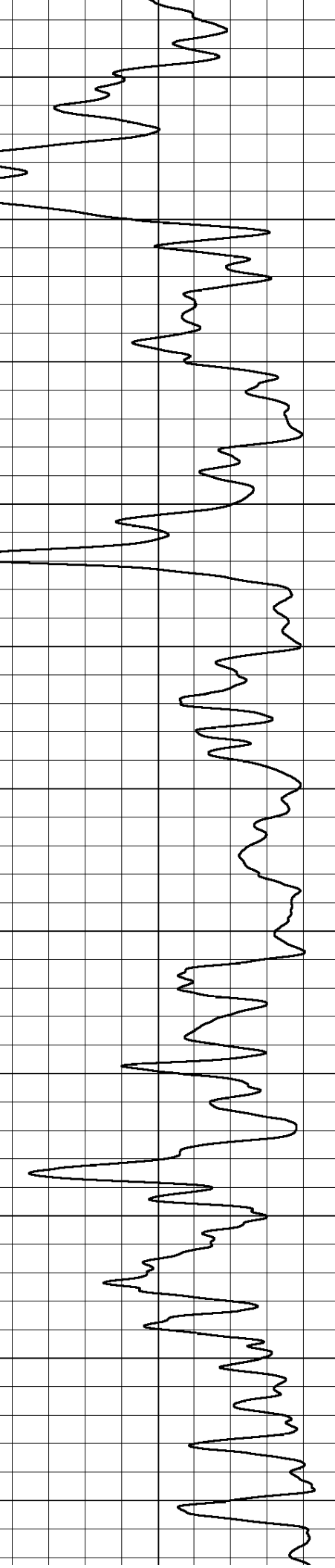
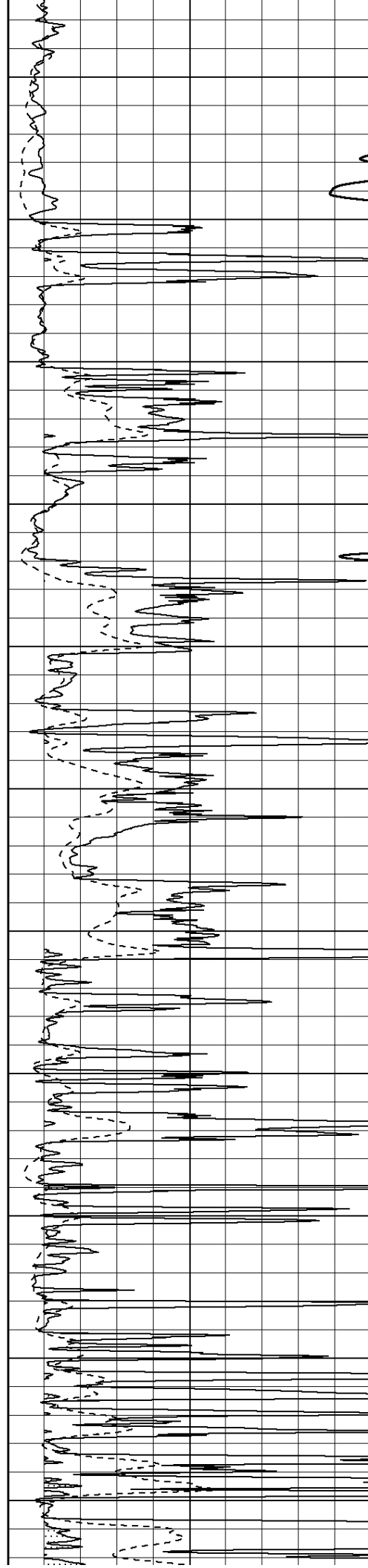
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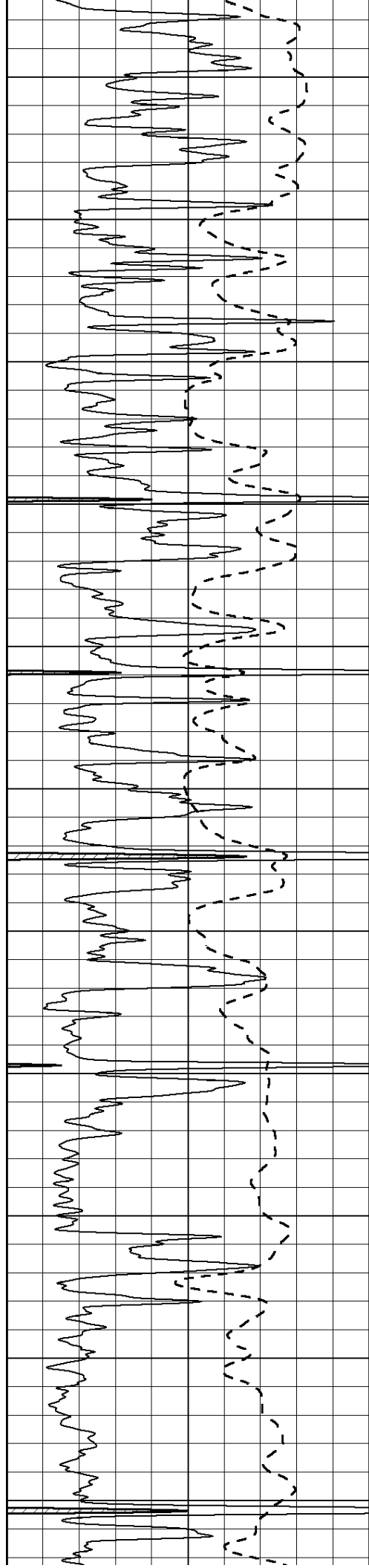
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3700





3750

3800

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3900

3950

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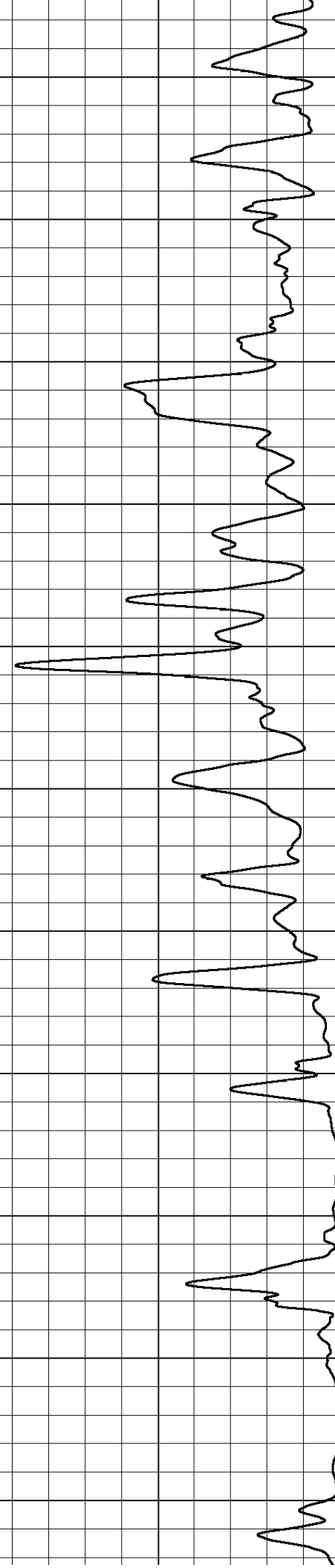
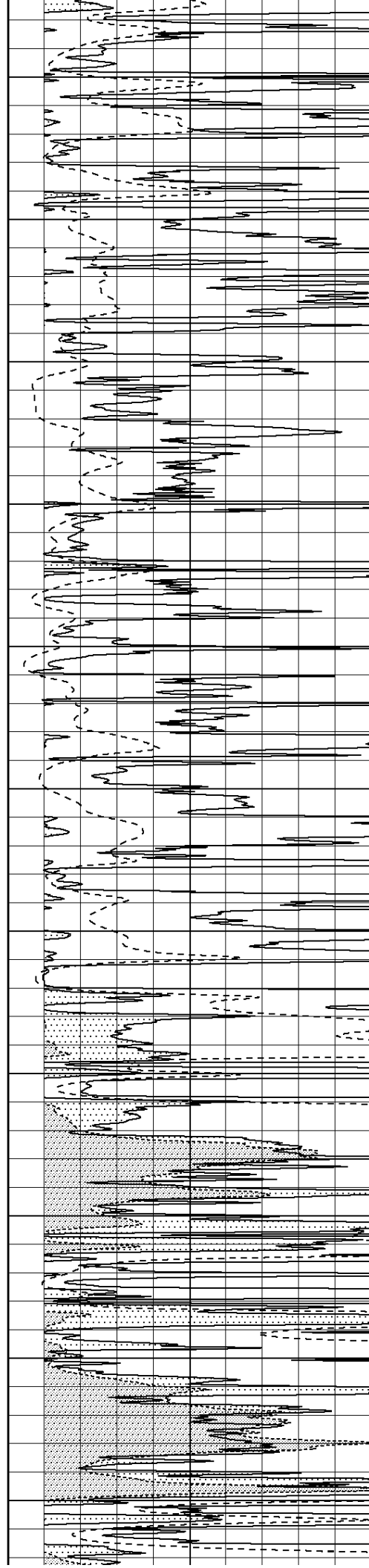
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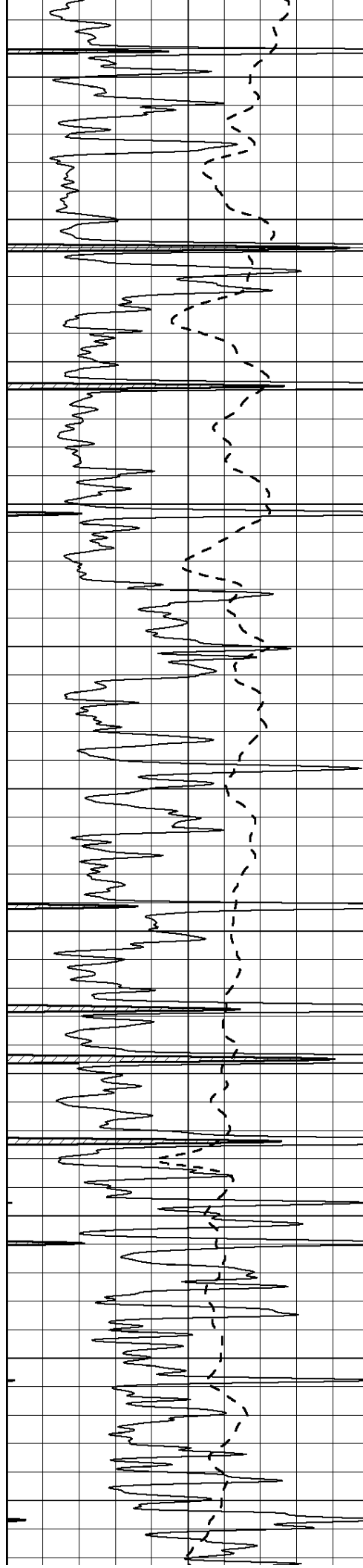
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4300

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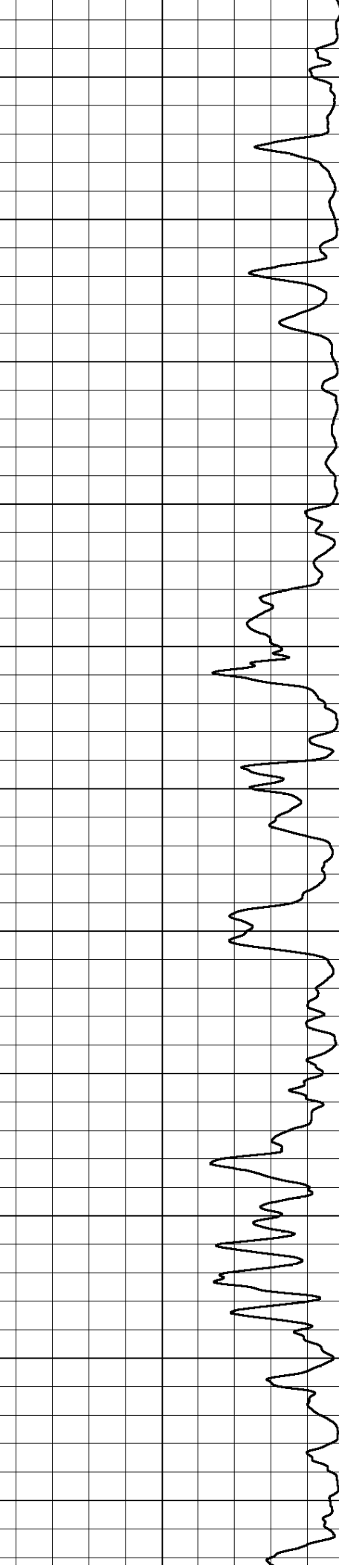
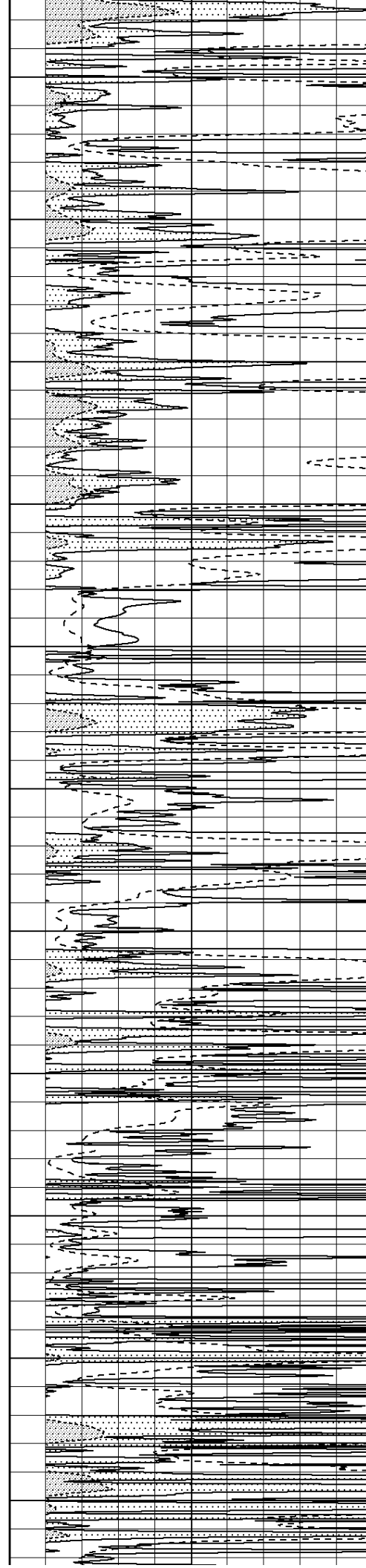
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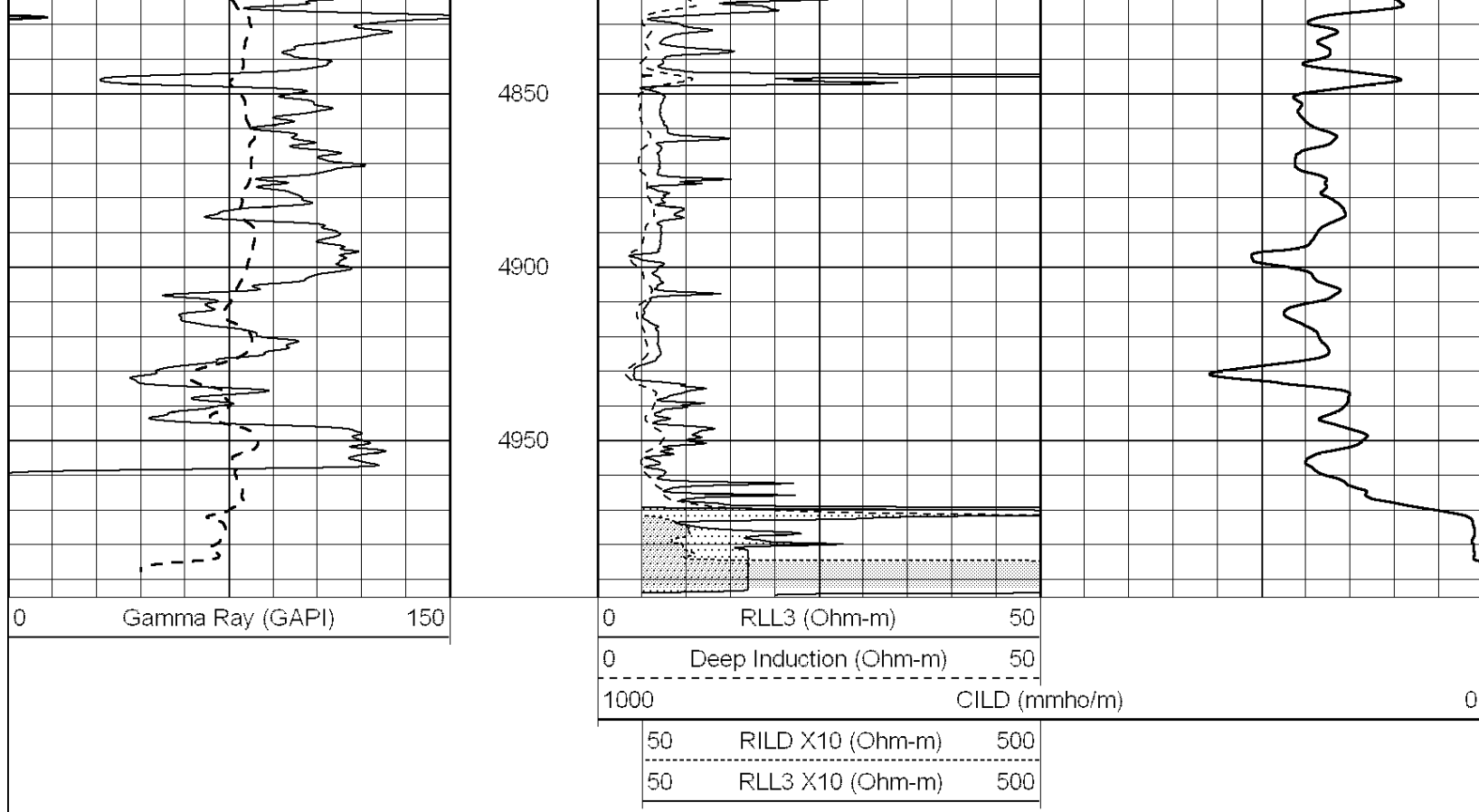
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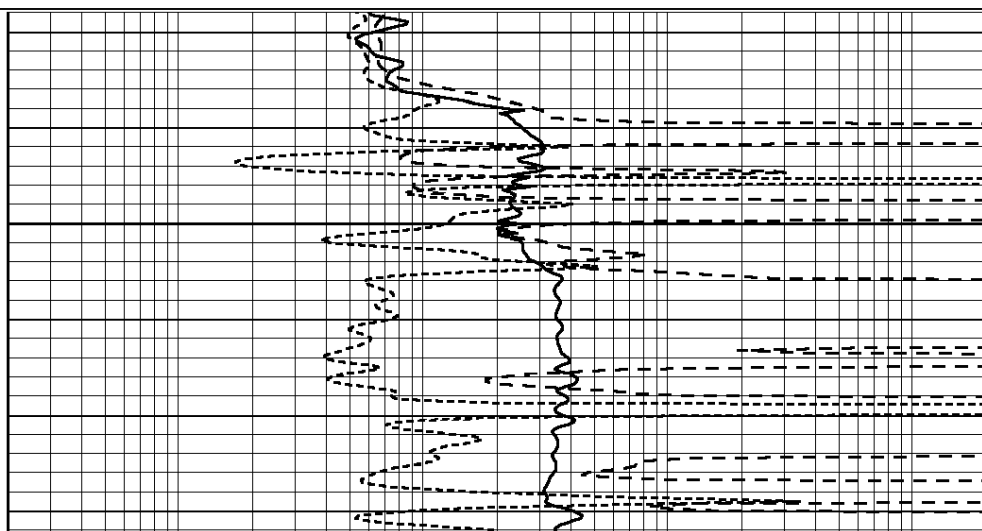
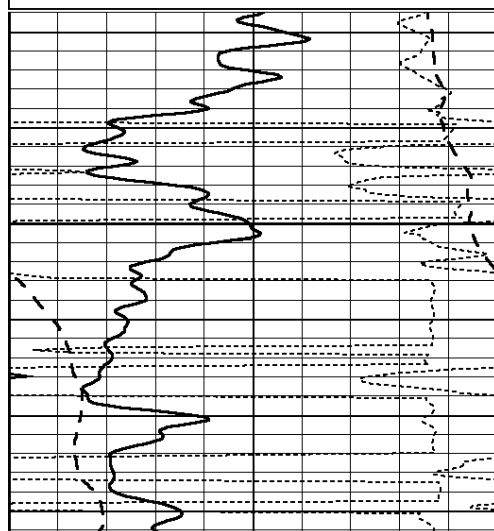
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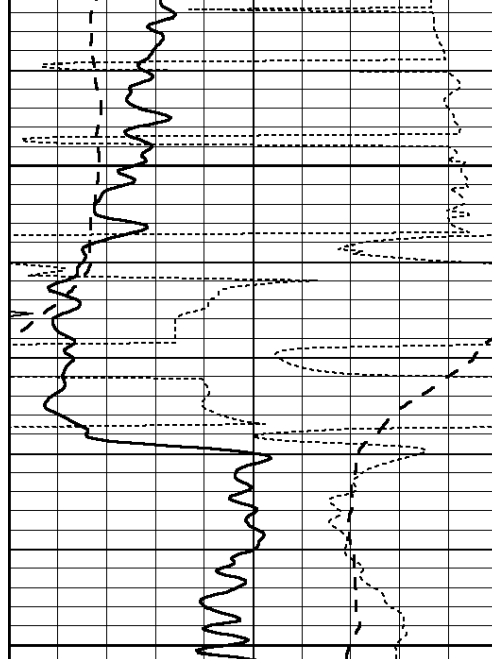
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Database File: 008721ddn.db
 Dataset Pathname: pass5.1A
 Presentation Format: dil
 Dataset Creation: Thu Apr 19 21:20:08 2012
 Charted by: Depth in Feet scaled 1:240

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

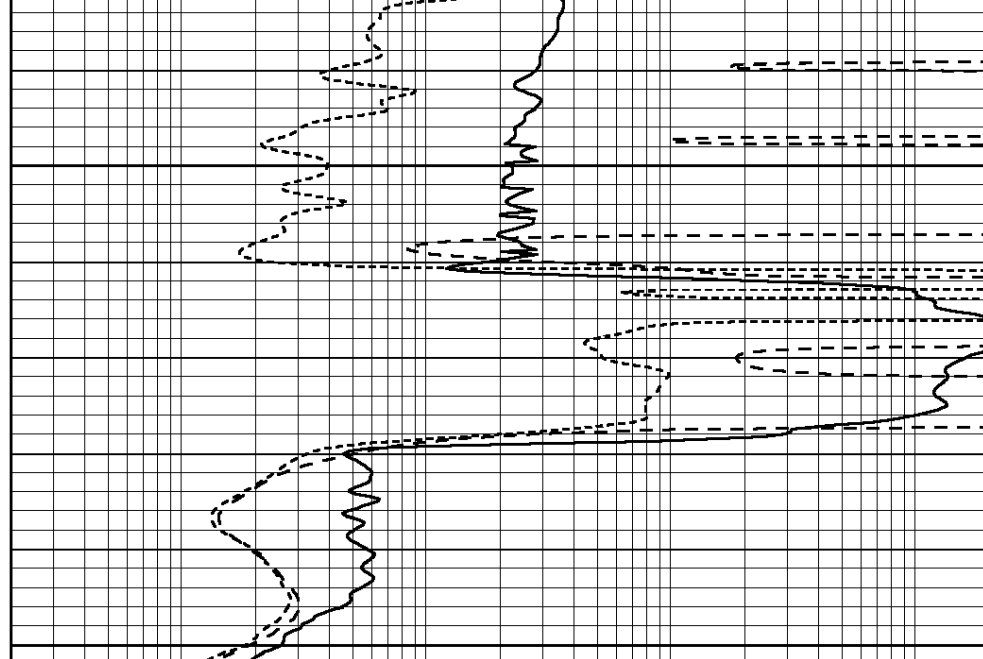




2450

2500

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



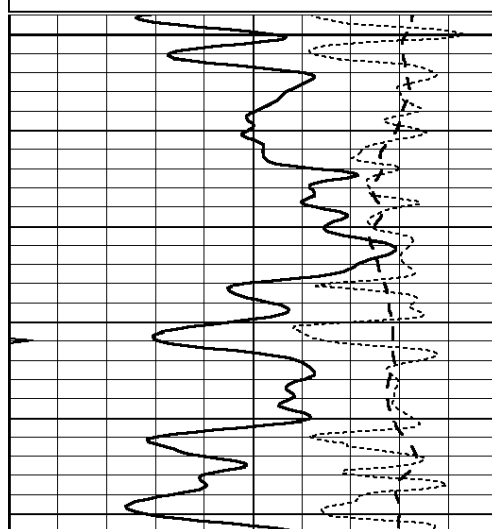
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MAIN SECTION

Database File: 008721ddn.db
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Presentation Format: dil
Dataset Creation: Thu Apr 19 21:20:08 2012
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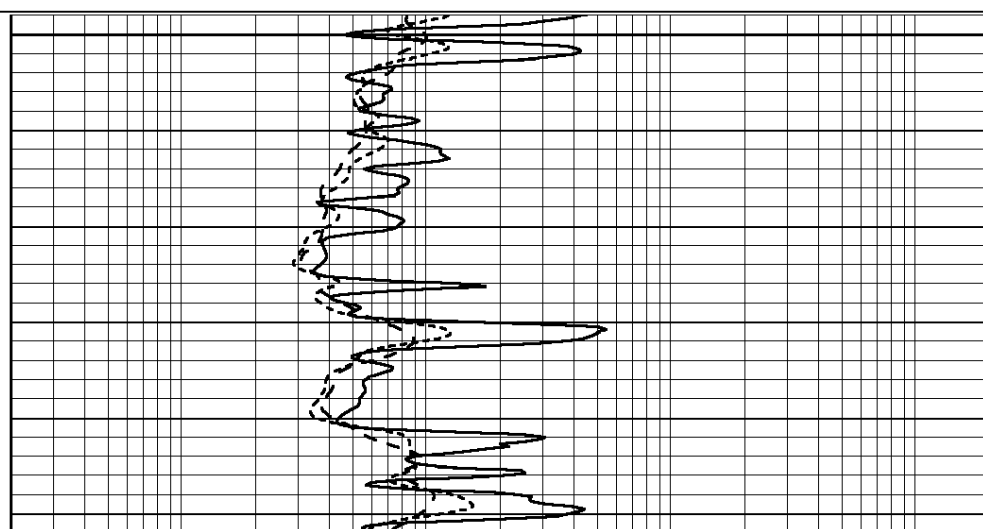
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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

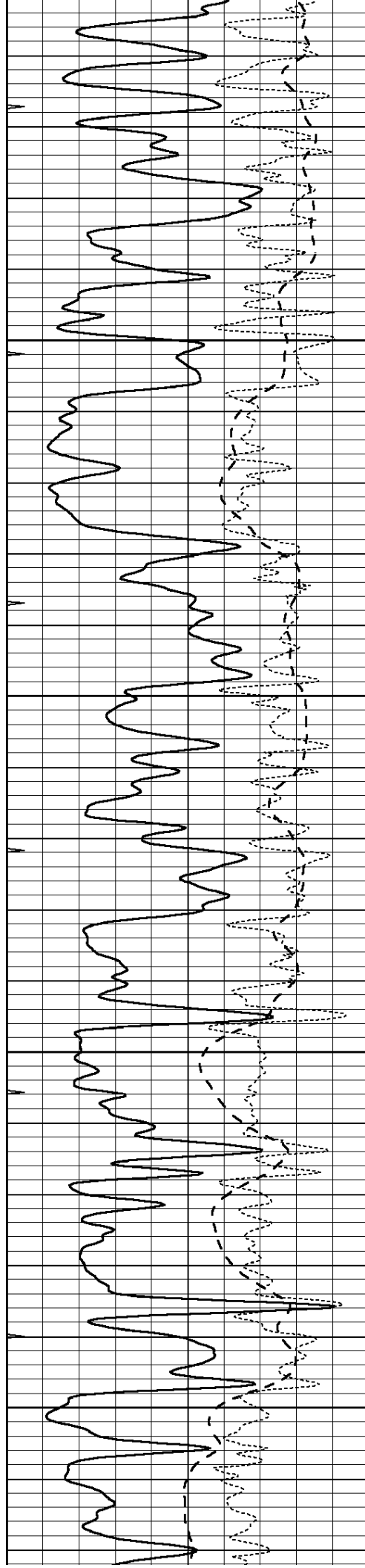
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



3600

3650



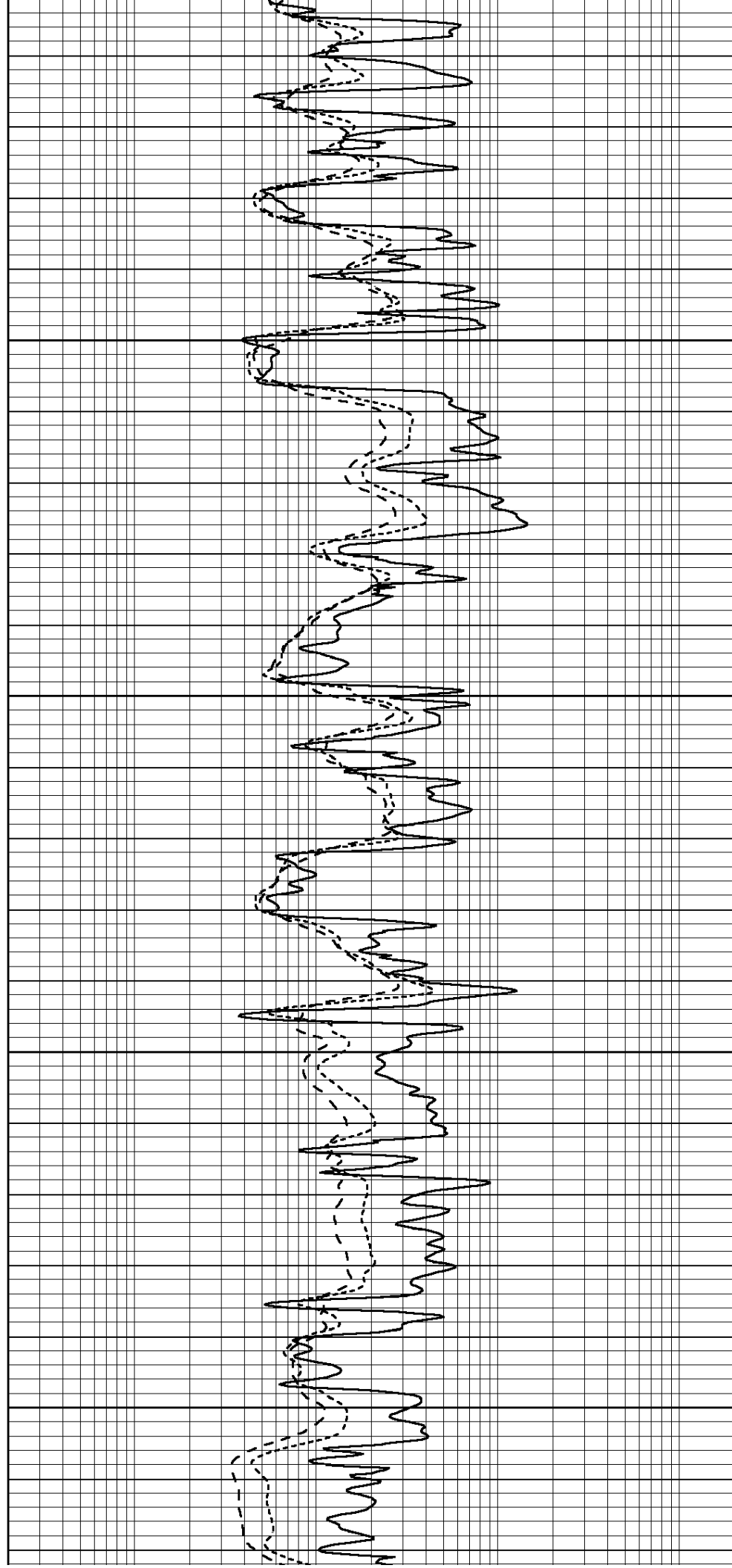


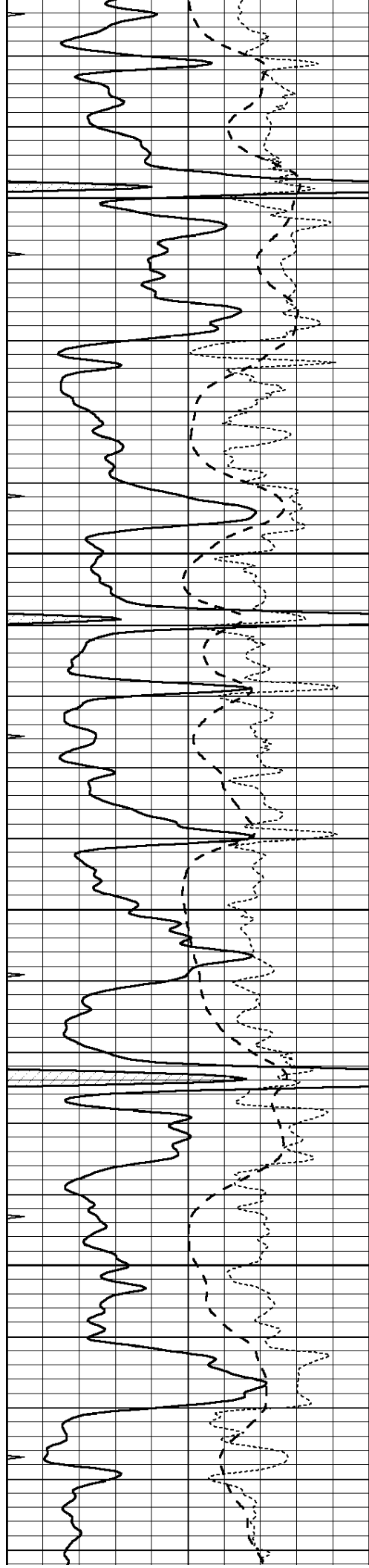
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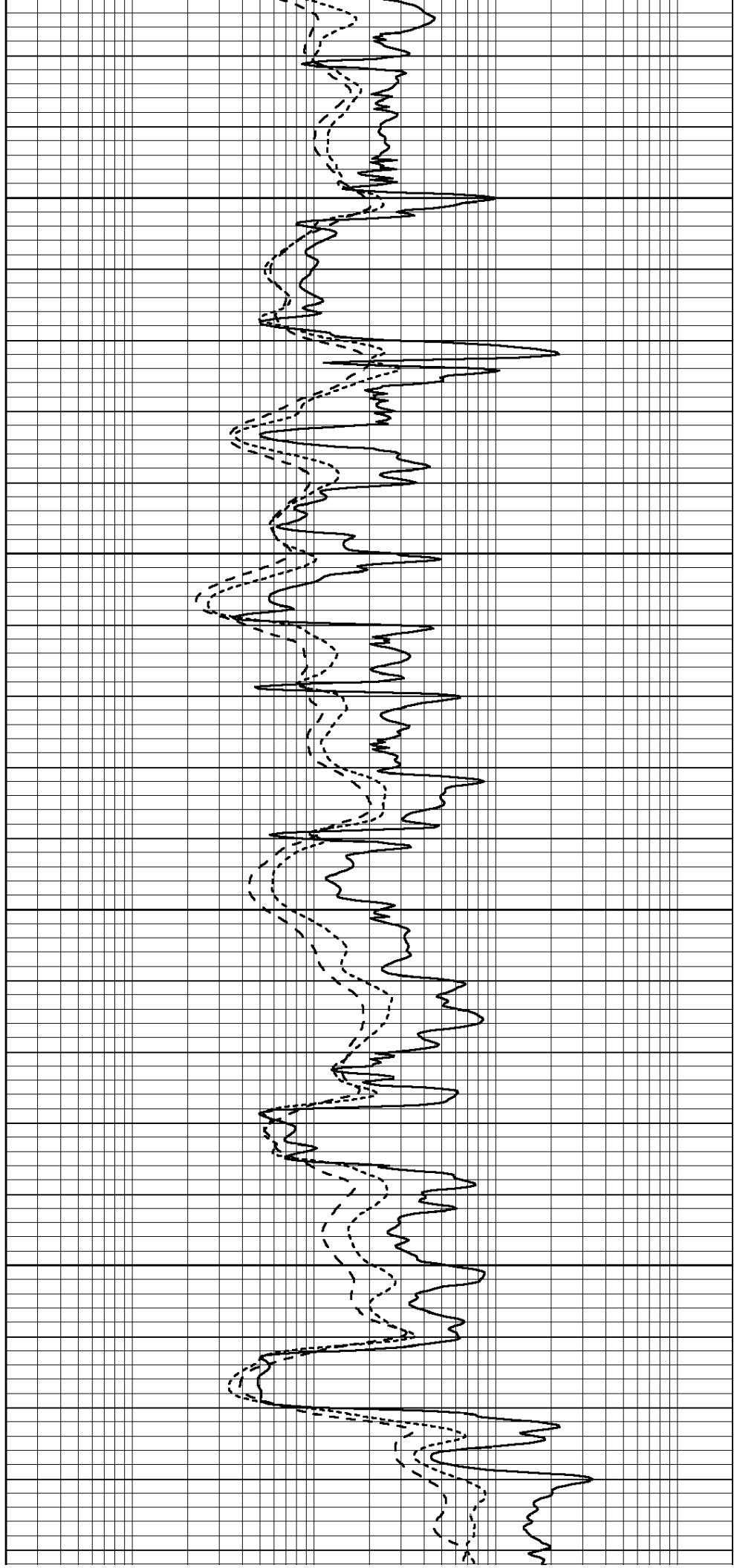


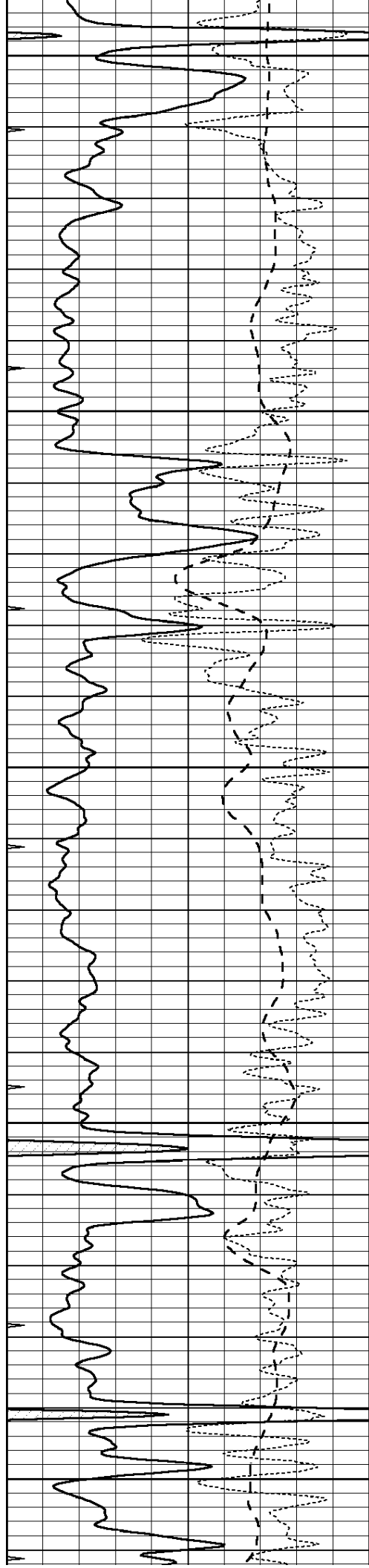
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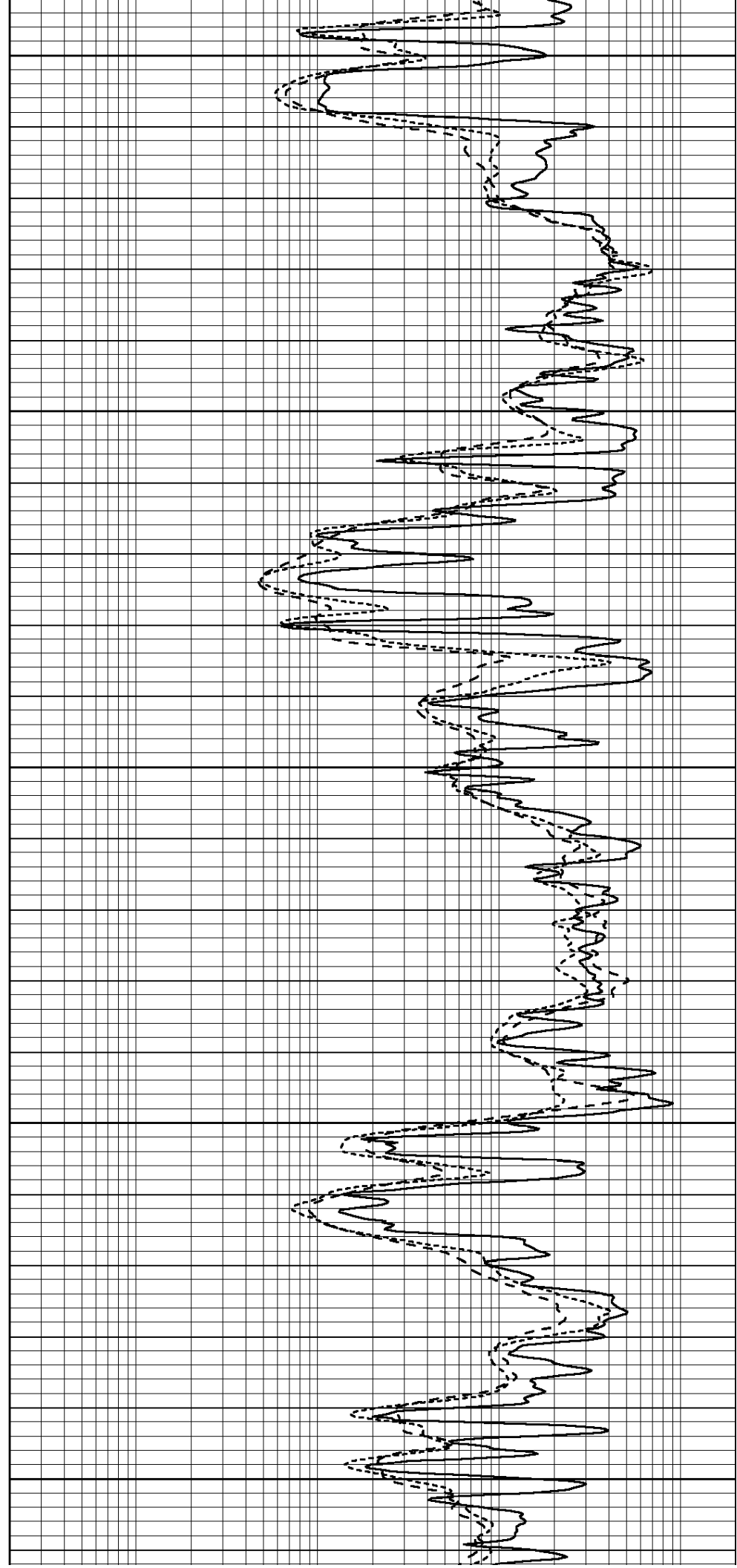
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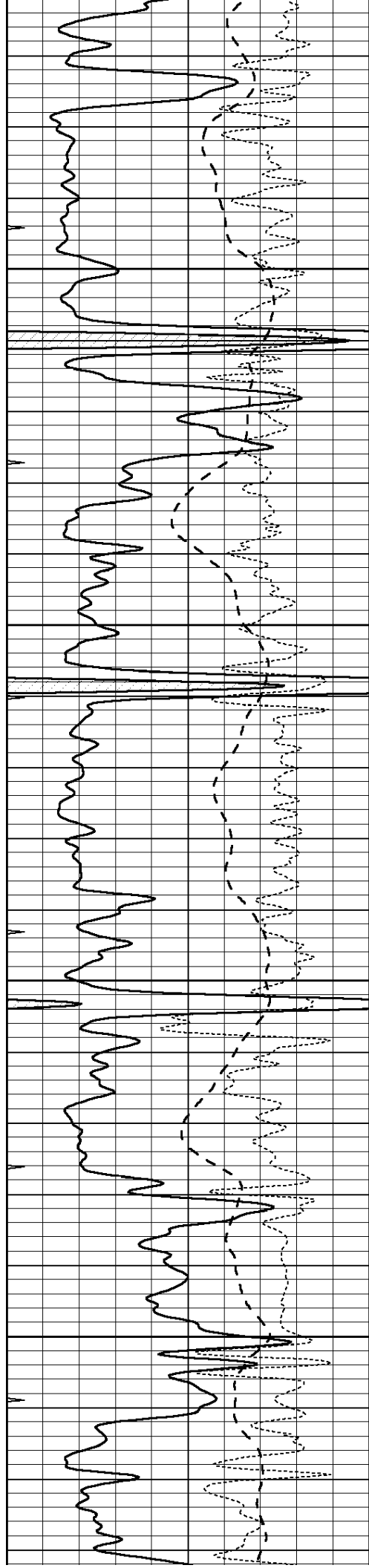
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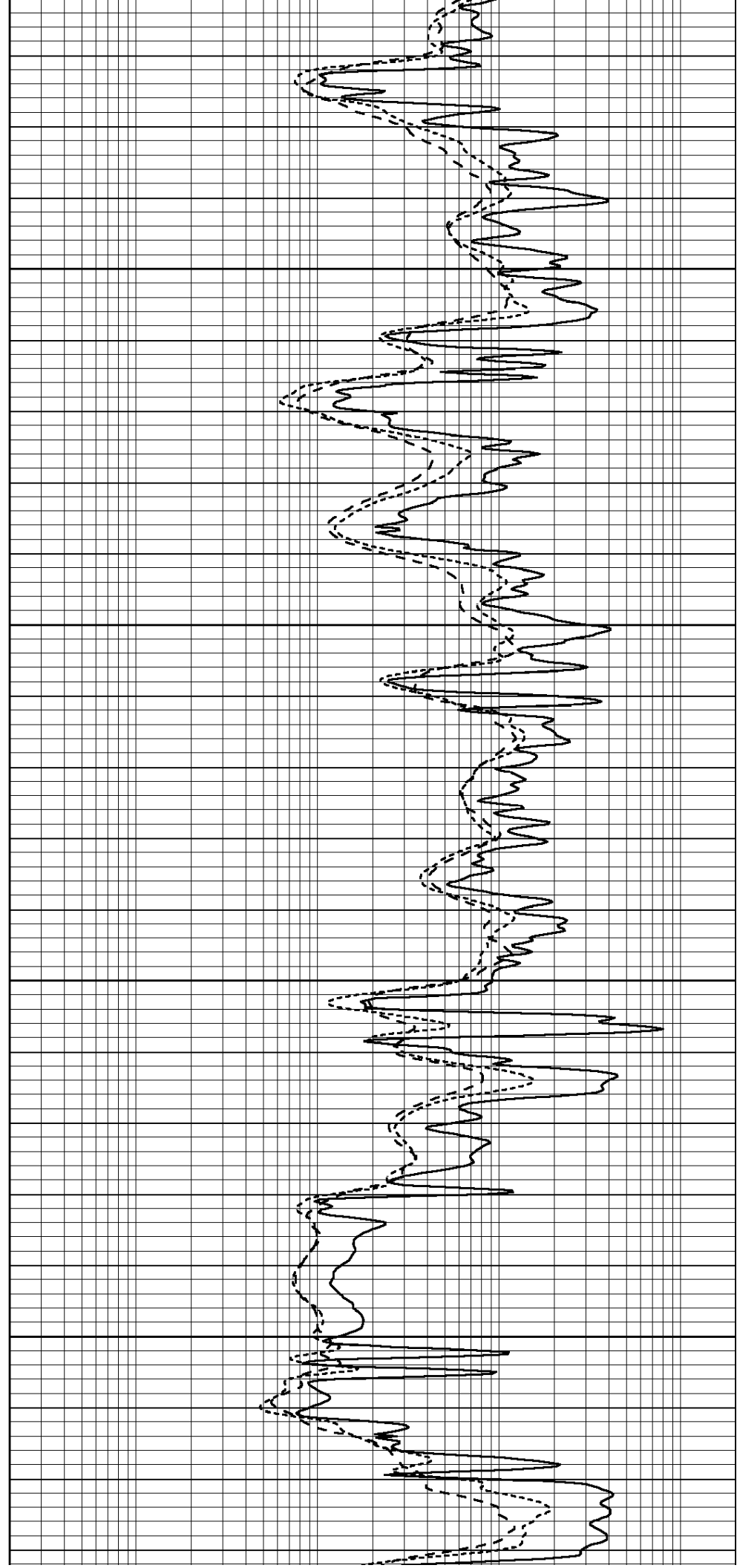


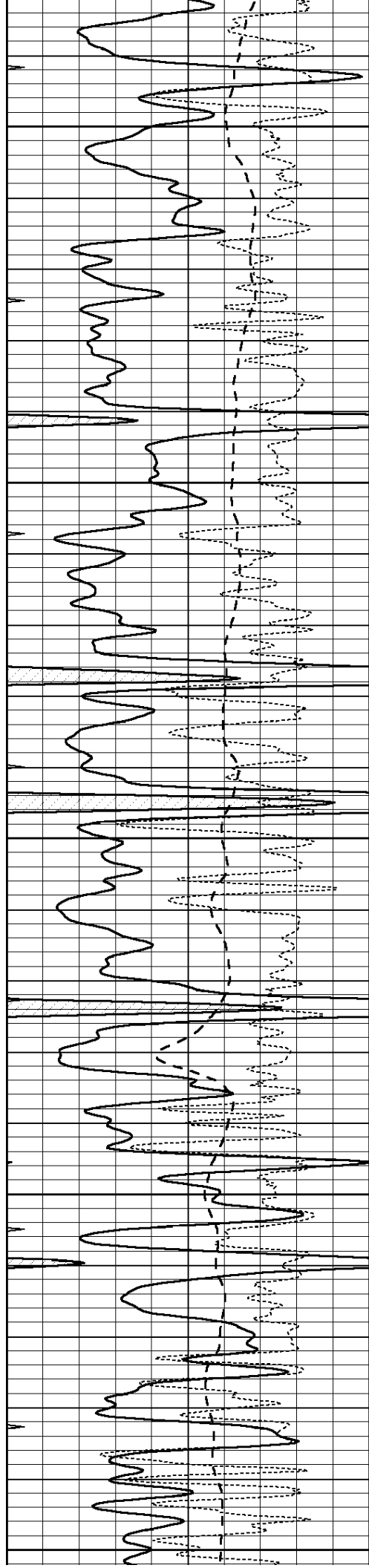
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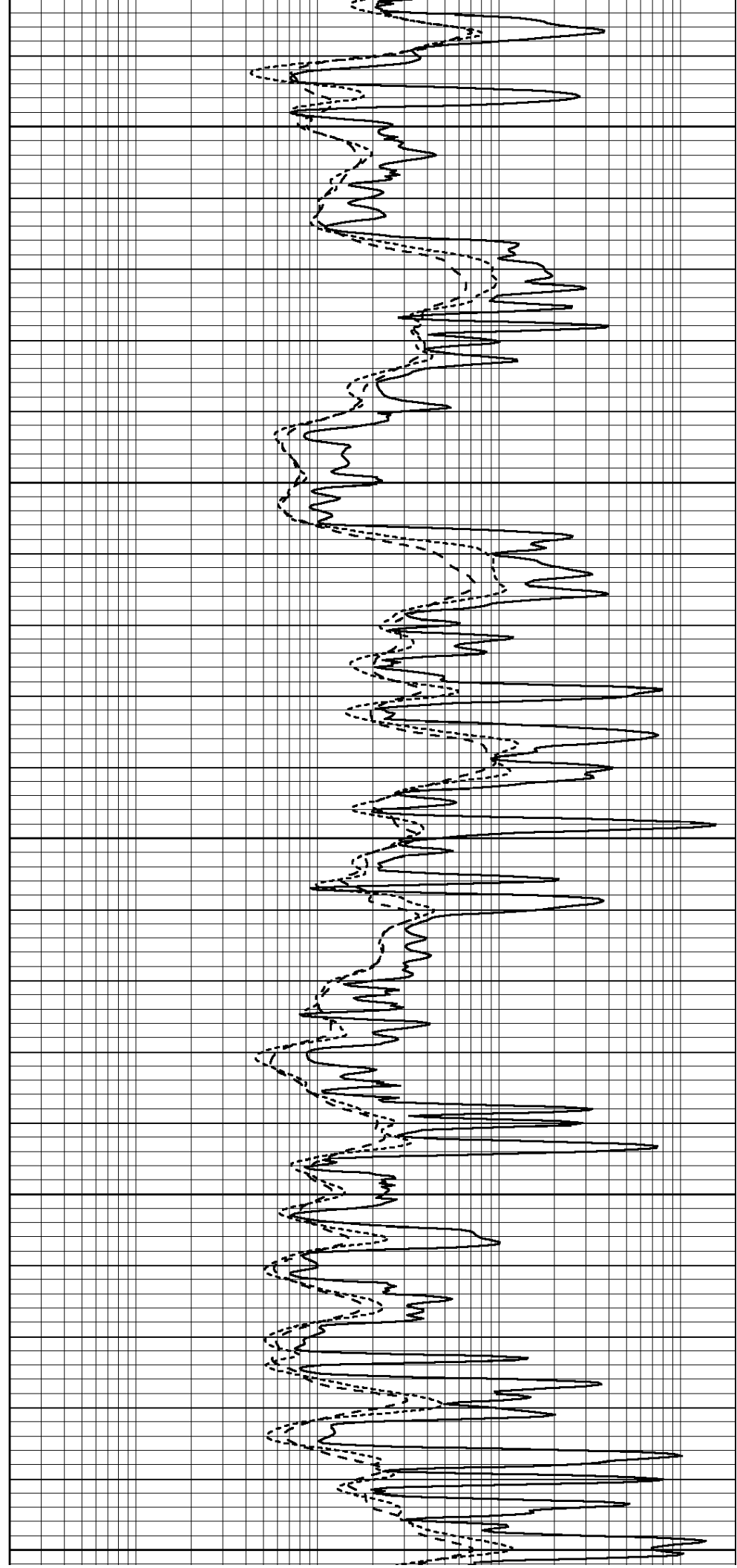
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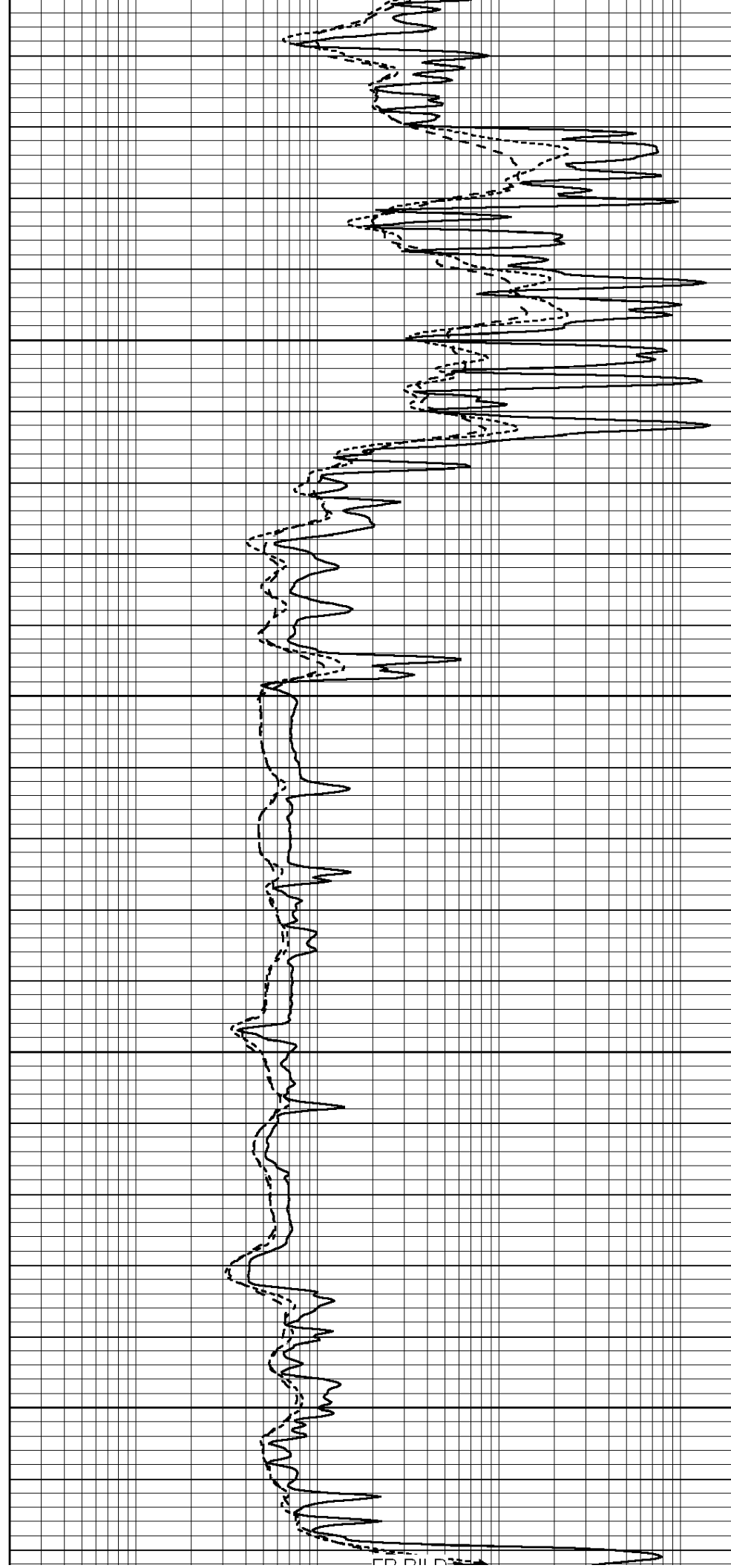
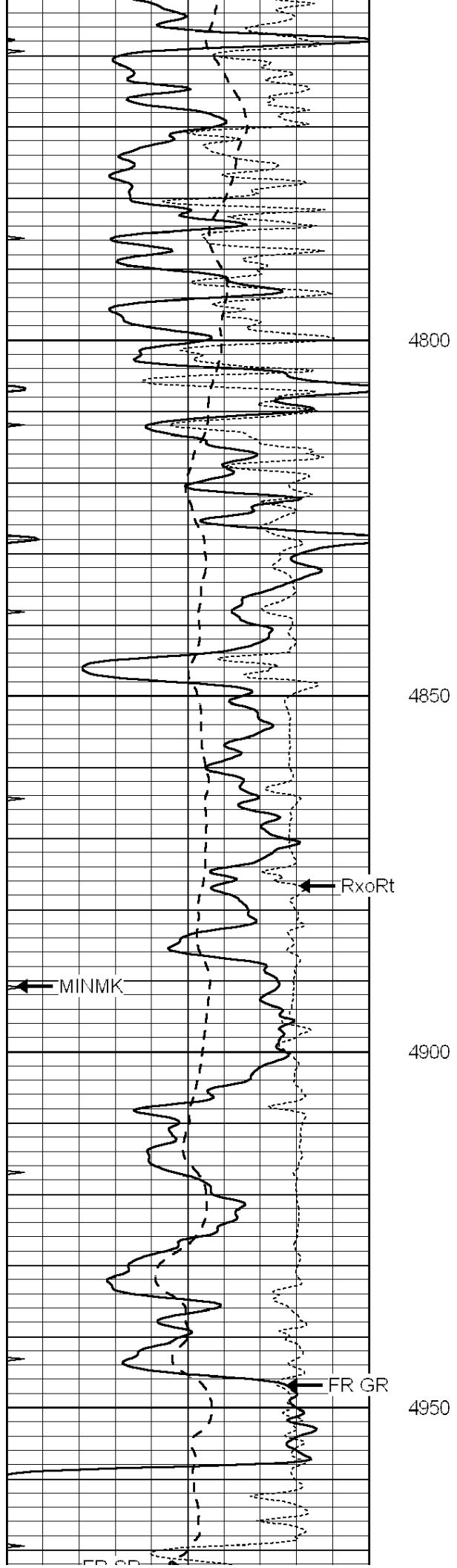
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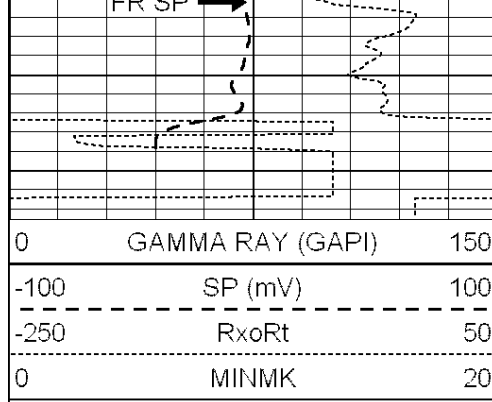
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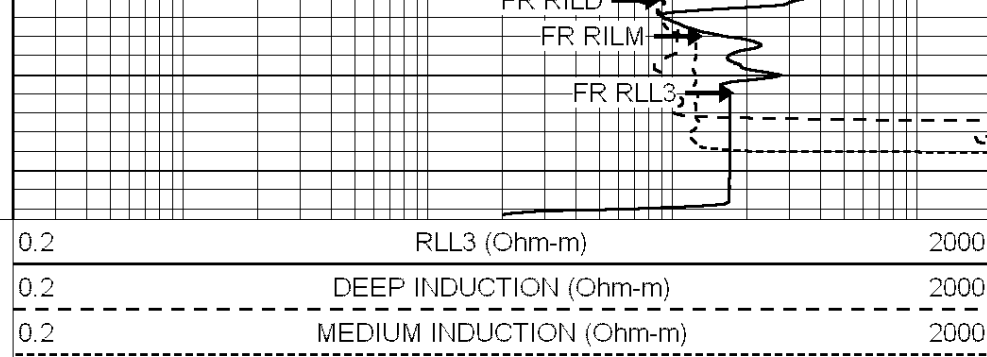
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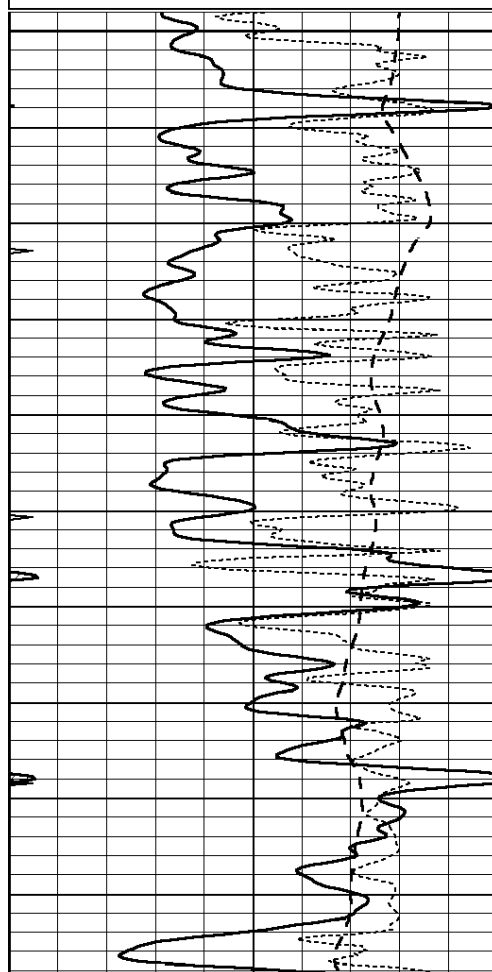
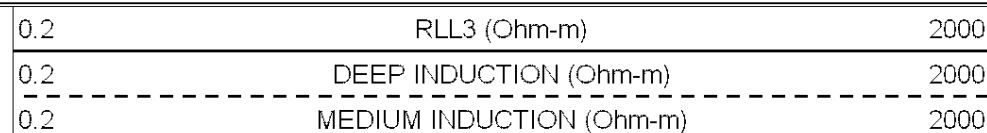
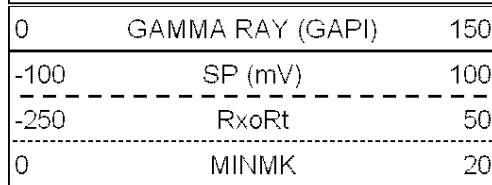
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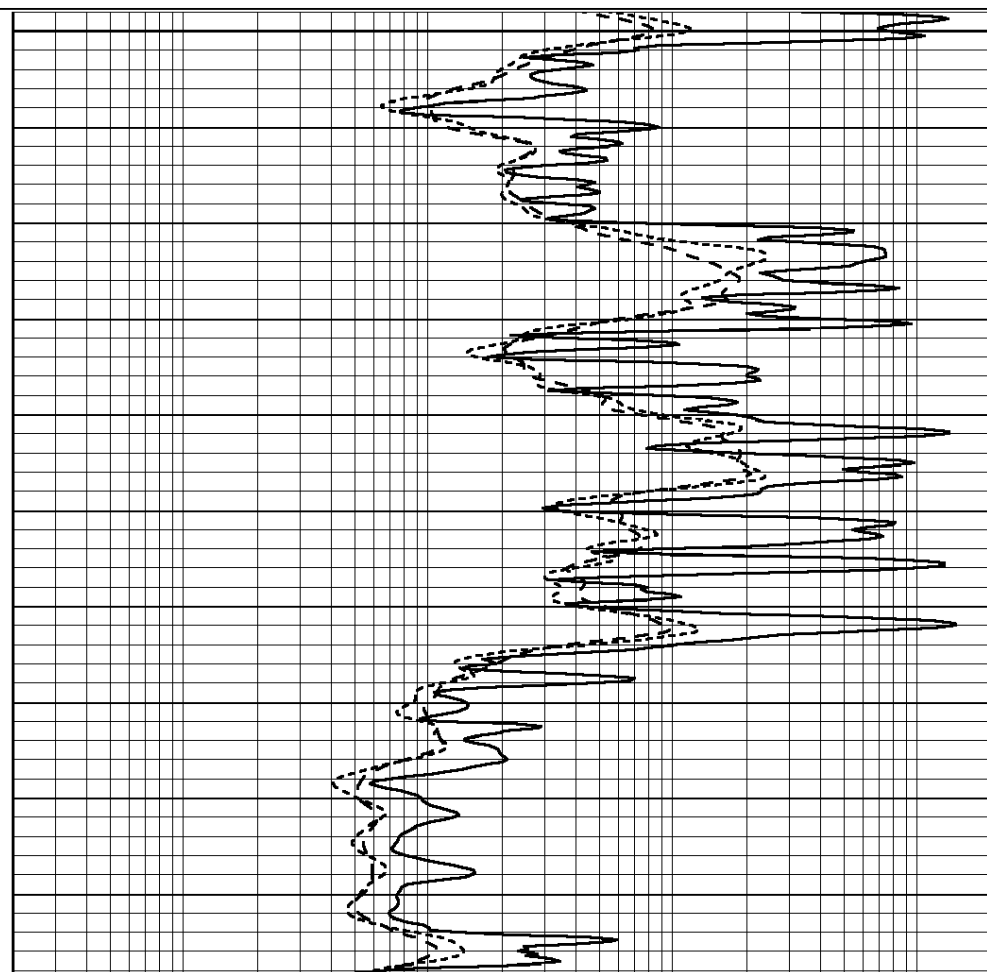
REPEAT SECTION

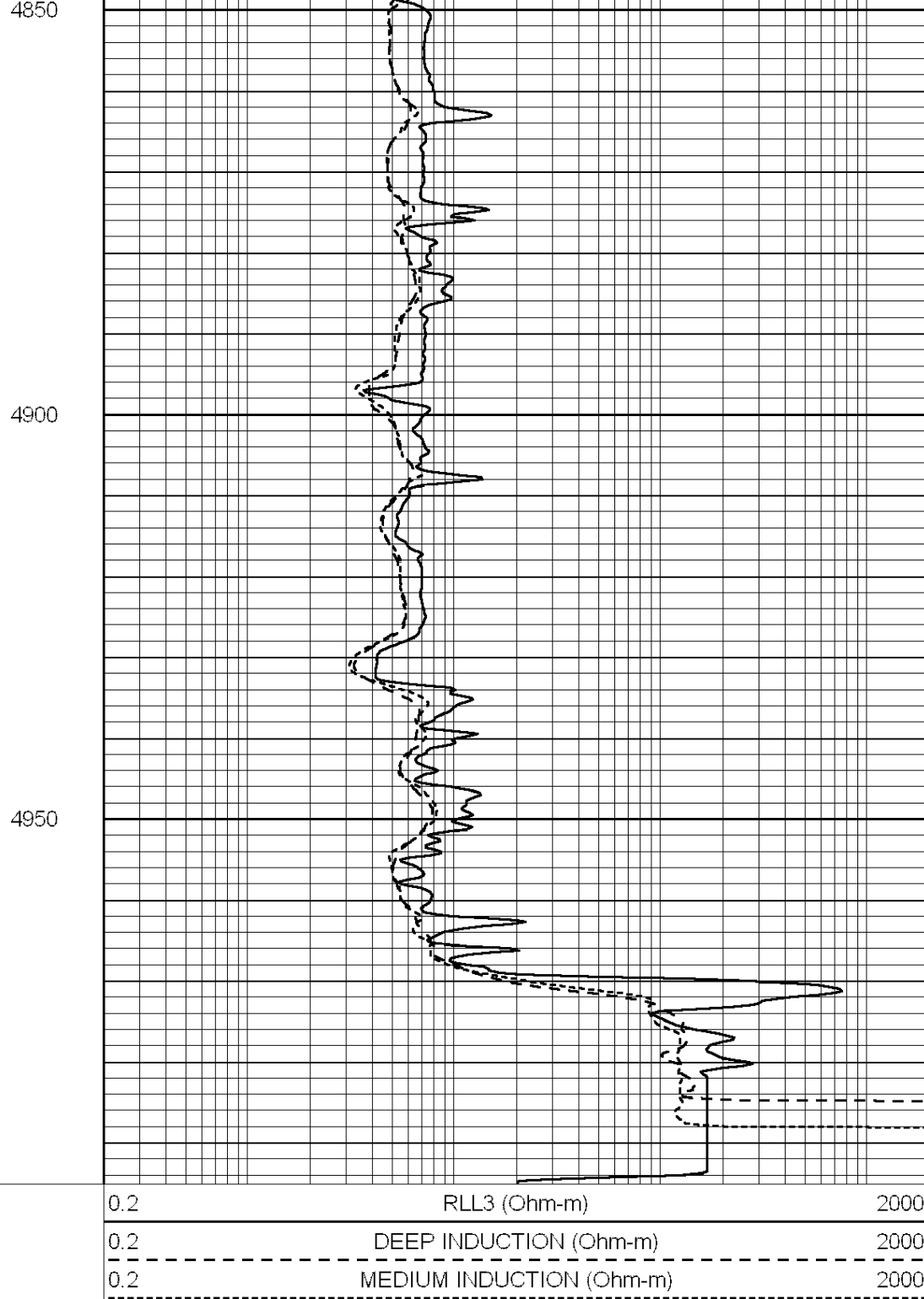
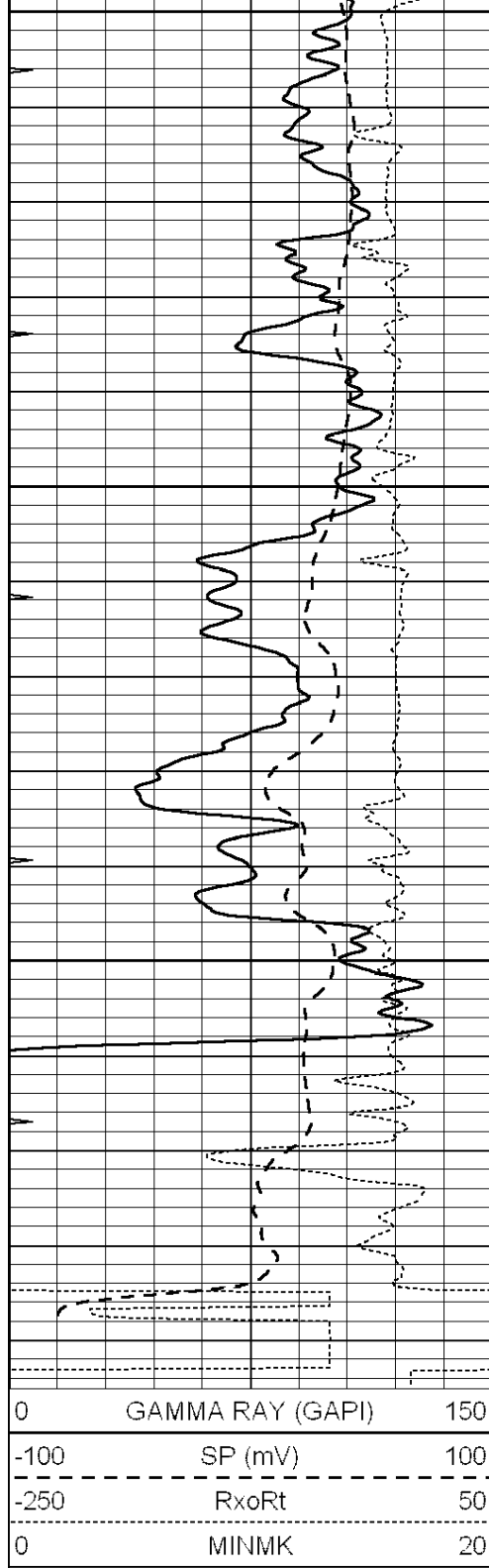
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 Presentation Format: dil
 Dataset Creation: Thu Apr 19 21:26:30 2012
 Charted by: Depth in Feet scaled 1:240



4750

4800





Calibration Report

Database File: 008721ddn.db
Dataset Pathname: pass5.1A
Dataset Creation: Thu Apr 19 21:20:08 2012

Dual Induction Calibration Report

Serial-Model:	PROBE9-DILG
Surface Cal Performed:	Thu Apr 19 20:17:51 2012
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Mon Jul 28 12:02:56 2008

Surface Calibration

Room Number: OPEN
Performed: Thu Apr 19 20:06:57 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps