



MICRO RESISTIVITY LOG

Company Taos Resources Operating Company LLC

Well Hawkins #27-1

Field Maddix North

County Cowley State Kansas

Location: API #: 15 035 24683

SEC 27 TWP 32S RGE 5E

Ground Level Elevation 1258'

Permanent Datum Log Measured From KB 5' AGL

Drilling Measured From KB

Other Services
DIL
CDNL
ML
Elevation
K.B. 1263'
D.F. 1262'
G.L. 1258'

Date 4-1-18

Run Number TWO

Depth Driller 3558'

Depth Logger 3559'

Bottom Logged Interval 3537'

Top Log Interval 350'

Casing Driller 8 5/8" @ 218'

Casing Logger 218'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.6/67

pH / Fluid Loss 10.0/6.4

Source of Sample Pit

Rm @ Meas. Temp 1.70@74degf

Rmf @ Meas. Temp 1.36@74degf

Rmc @ Meas. Temp 2.18@74degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.21@104degf

Time Circulation Stopped 6:45 p.m.

Time Logger on Bottom 11:15 p.m.

Maximum Recorded Temperature 104degf

Equipment Number T-127

Location Hays, KS

Recorded By C. Patterson

Witnessed By Mr. Mike Pressnall

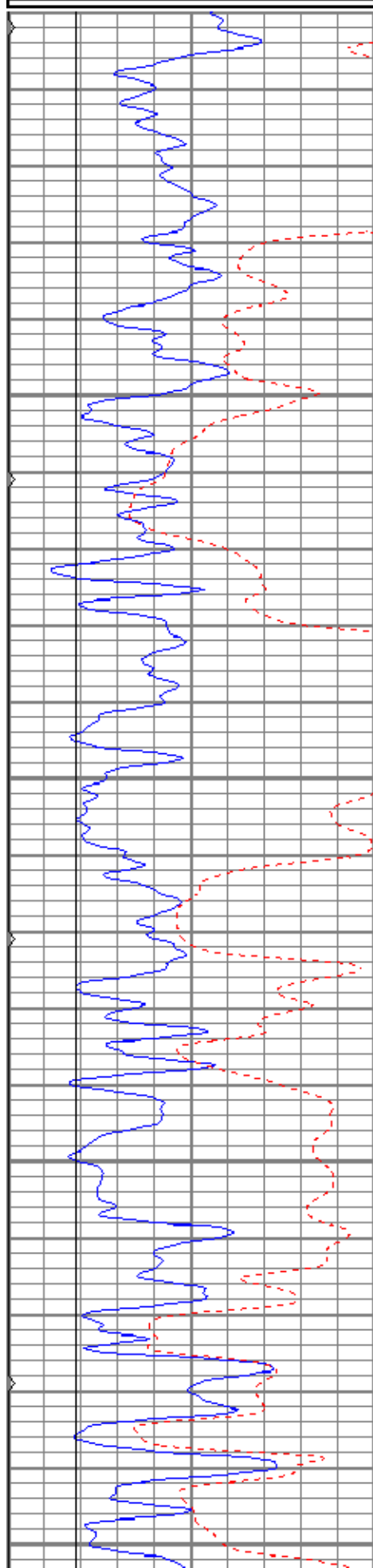
Comments

East of Winfield(Main St. and 160 Hwy) 6.5 mi. to 151st rd.,
3/4 mi. south on 151st Rd. ,East into Location

Thank you for using Gemini Wireline
785-625-1182

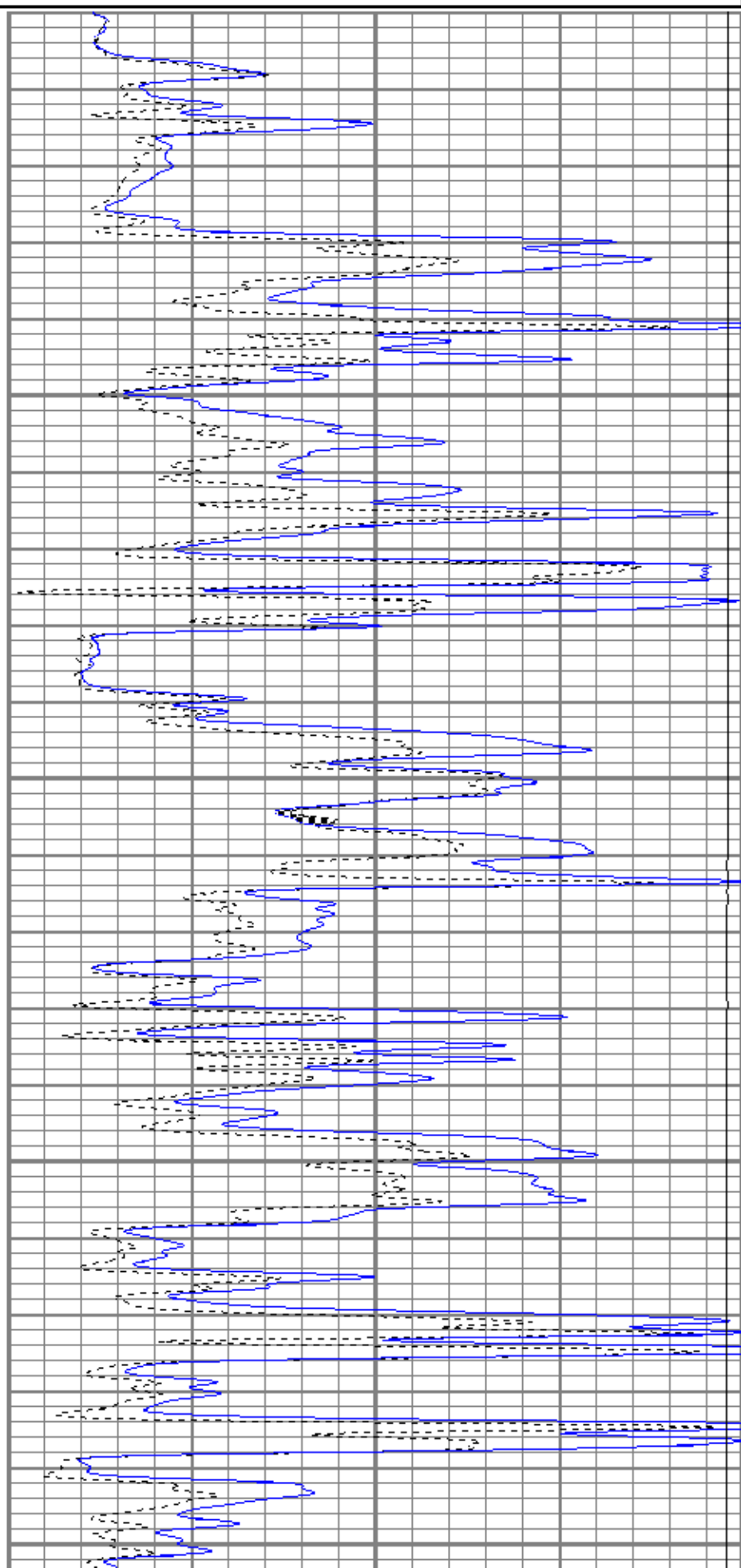
Database File trohawkins27-1oh.db
Dataset Pathname pass4
Presentation Format kml
Dataset Creation Sun Apr 01 23:27:59 2018
Charted by Depth in Feet scaled 1:240

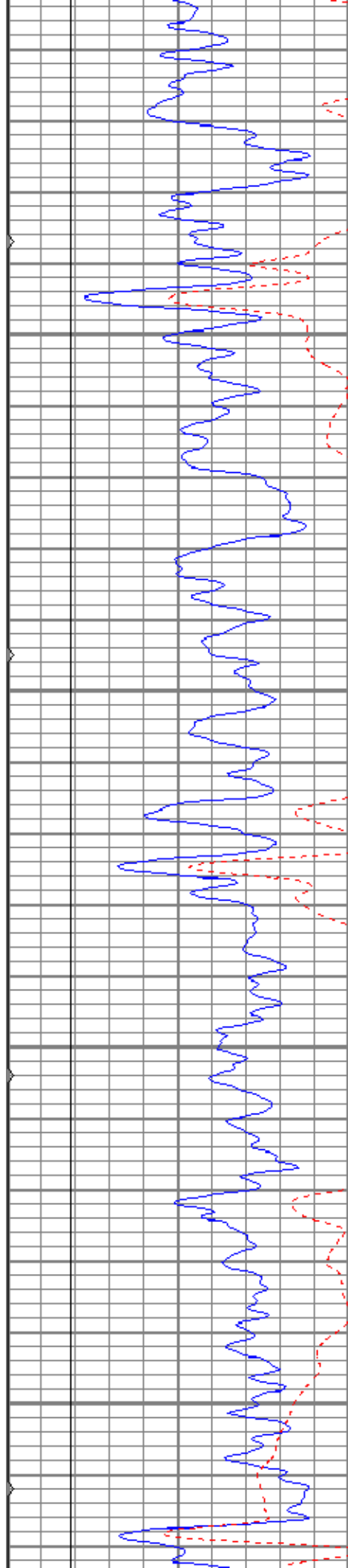
	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50



350
400
450
500
550

0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0



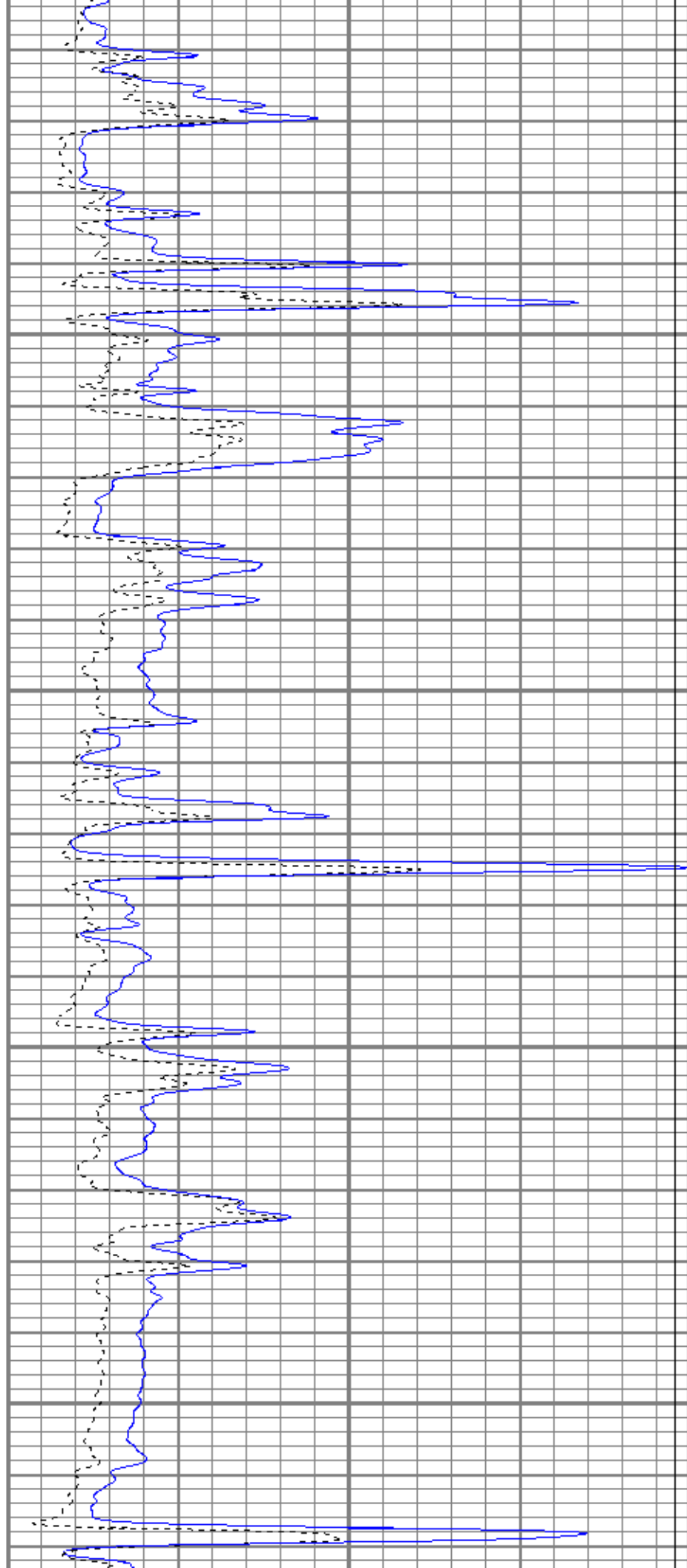


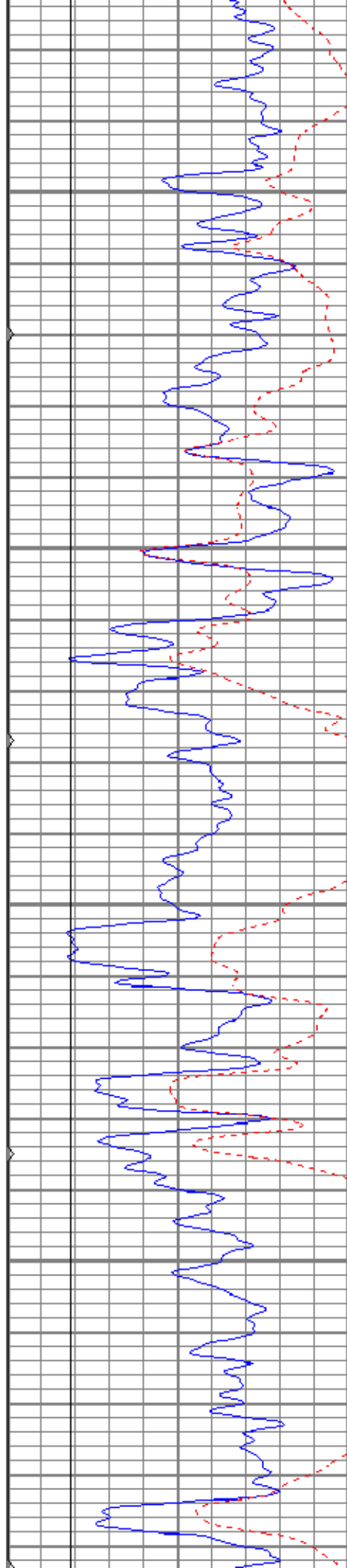
600

650

700

750



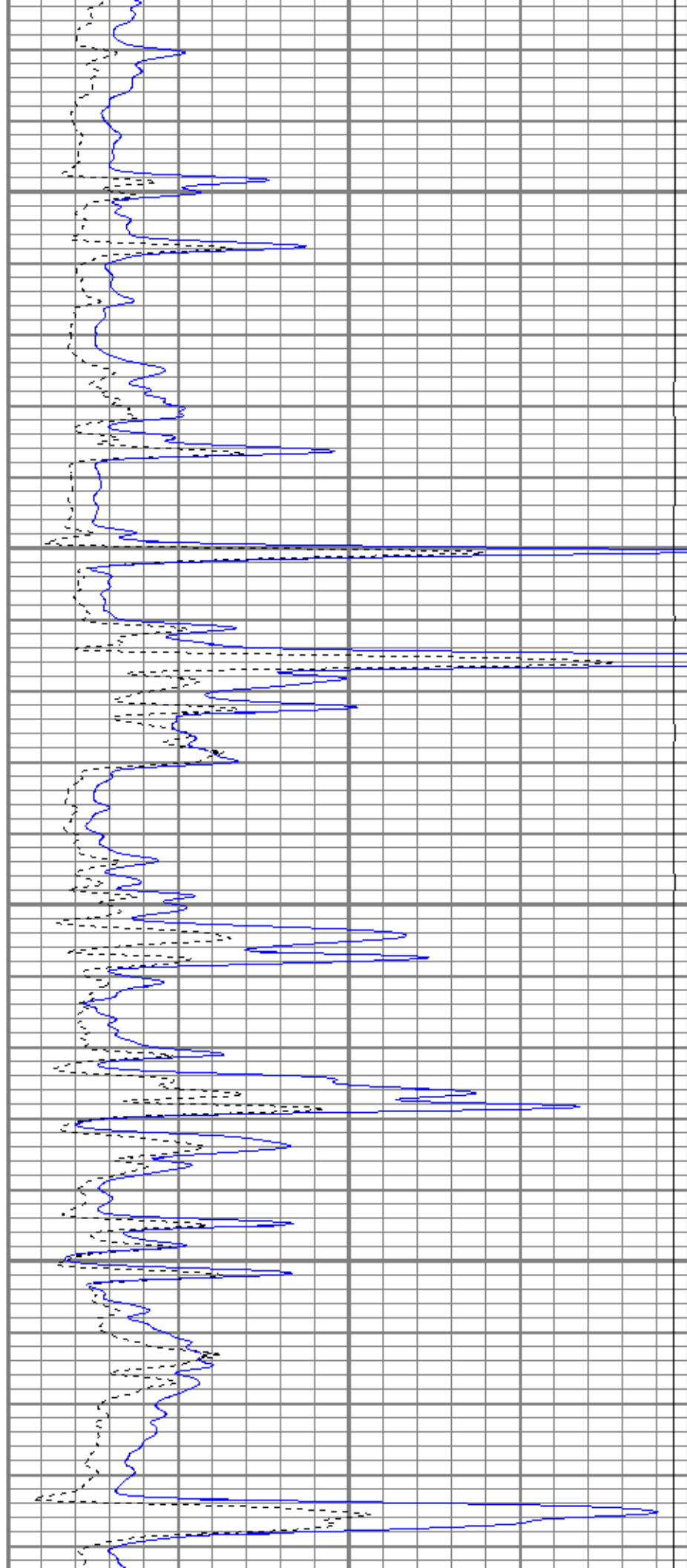


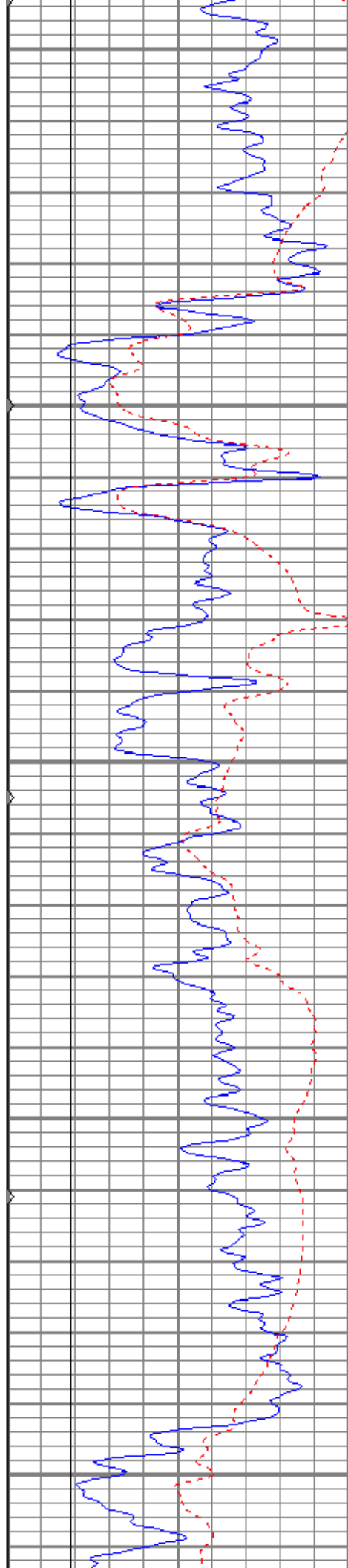
800

850

900

950





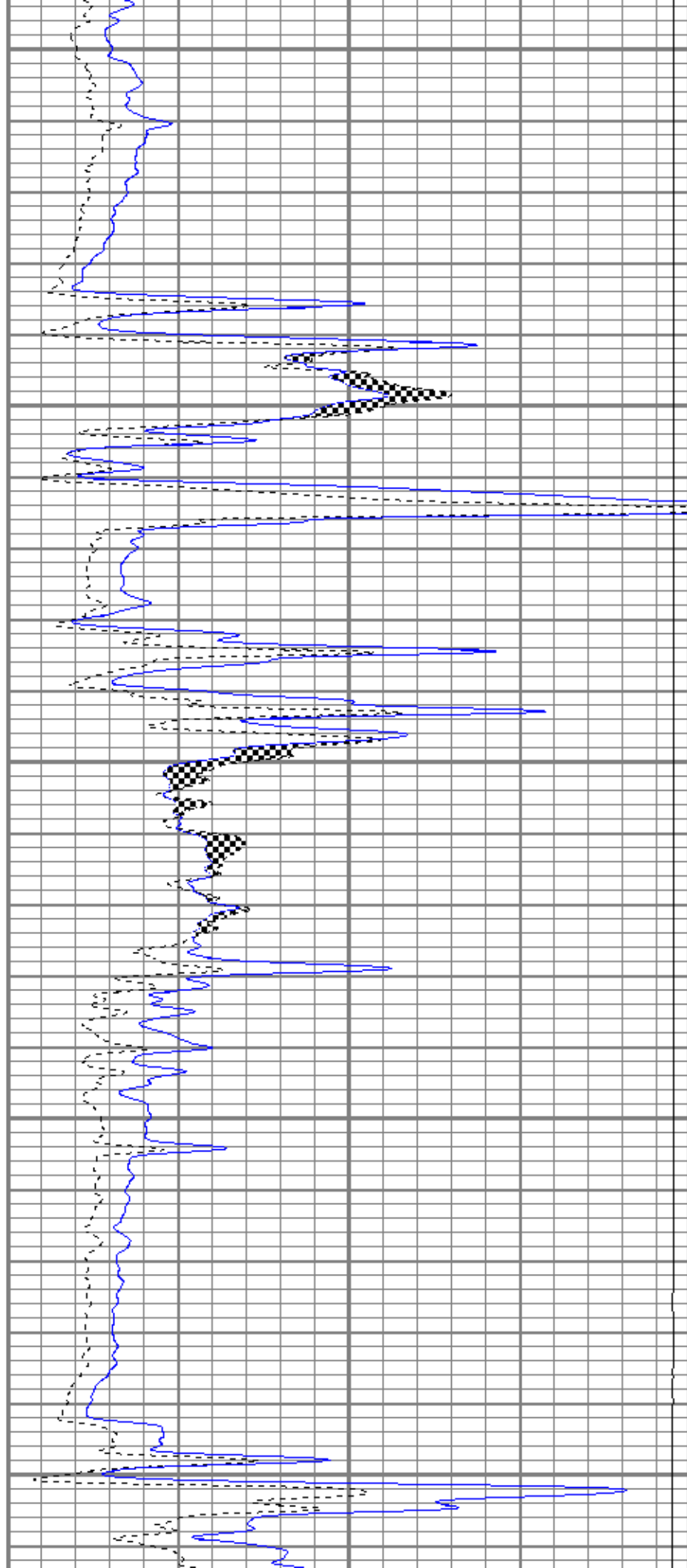
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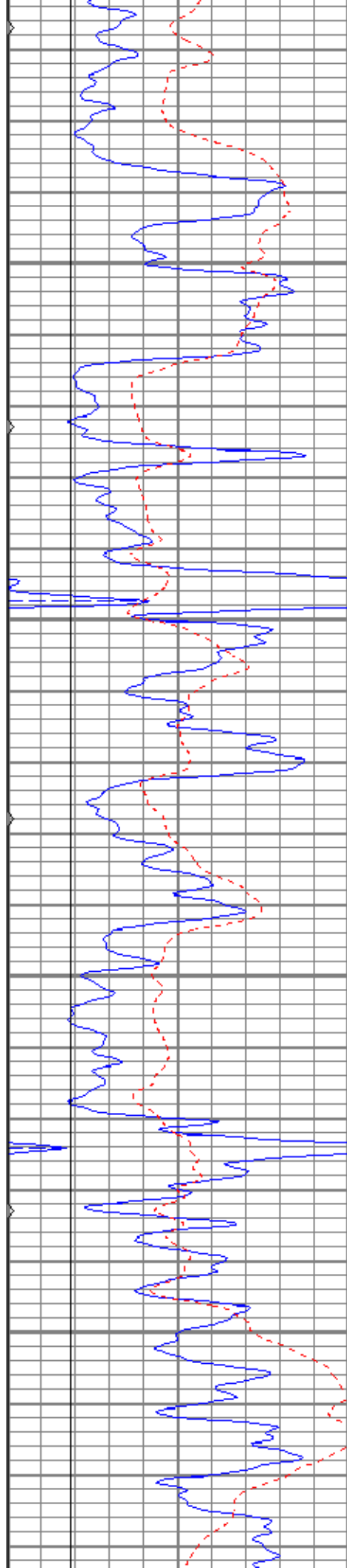
1050

1100

1150

1200



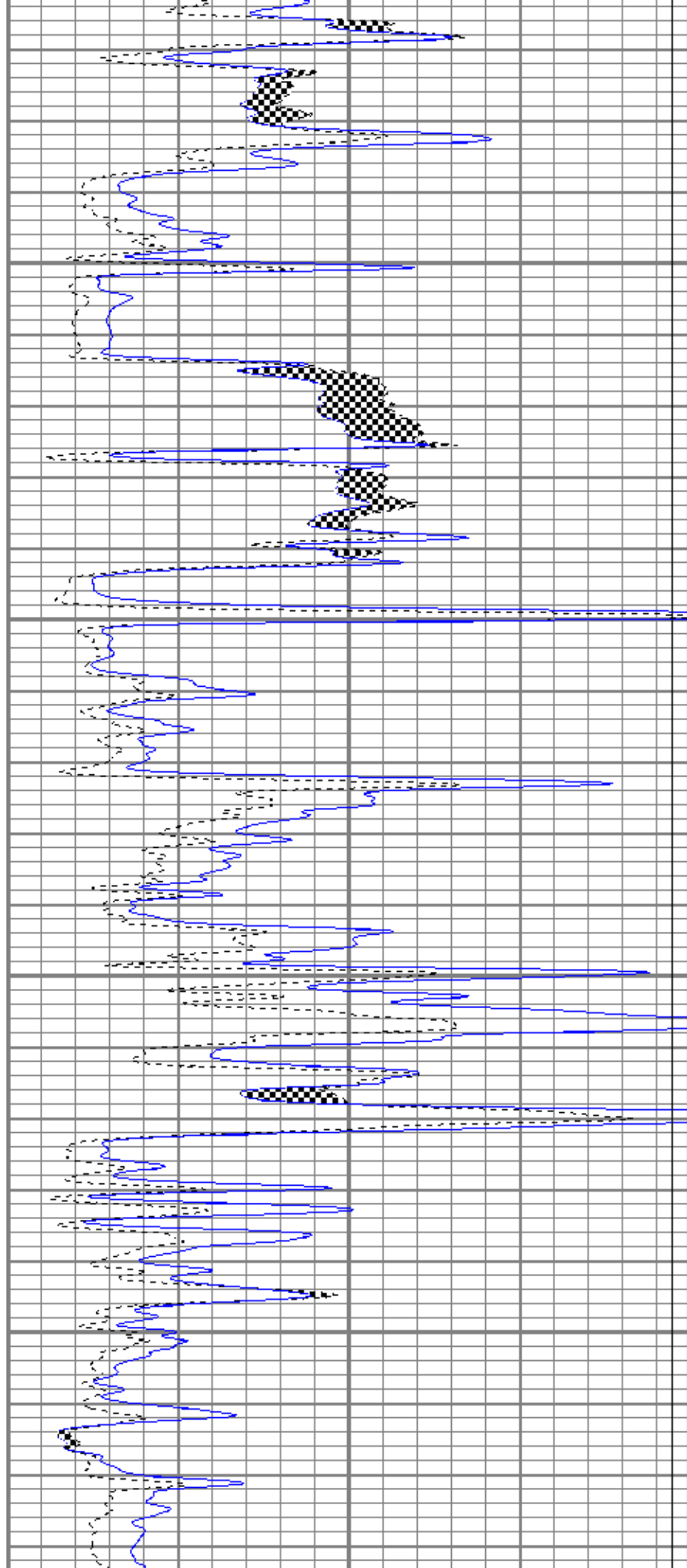


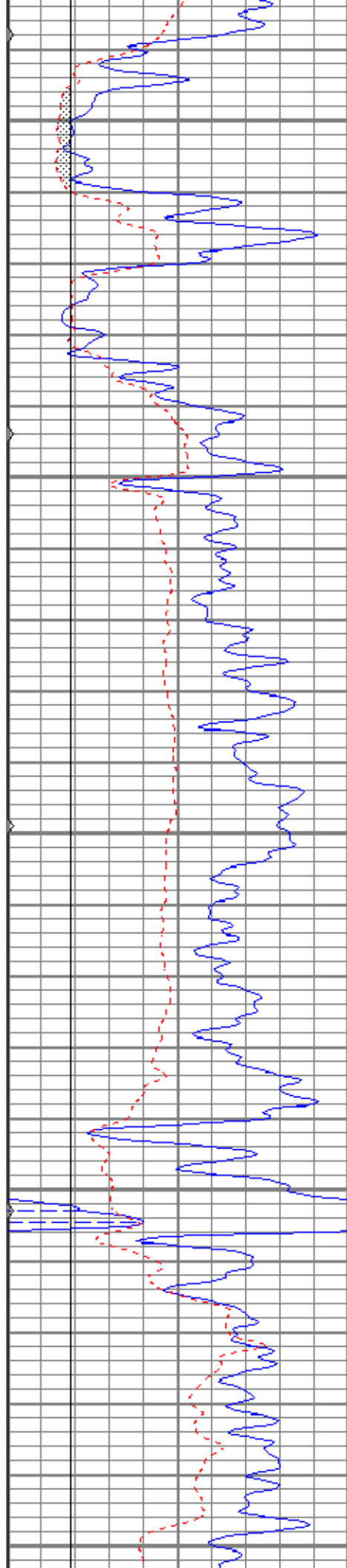
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1300

1350

1400





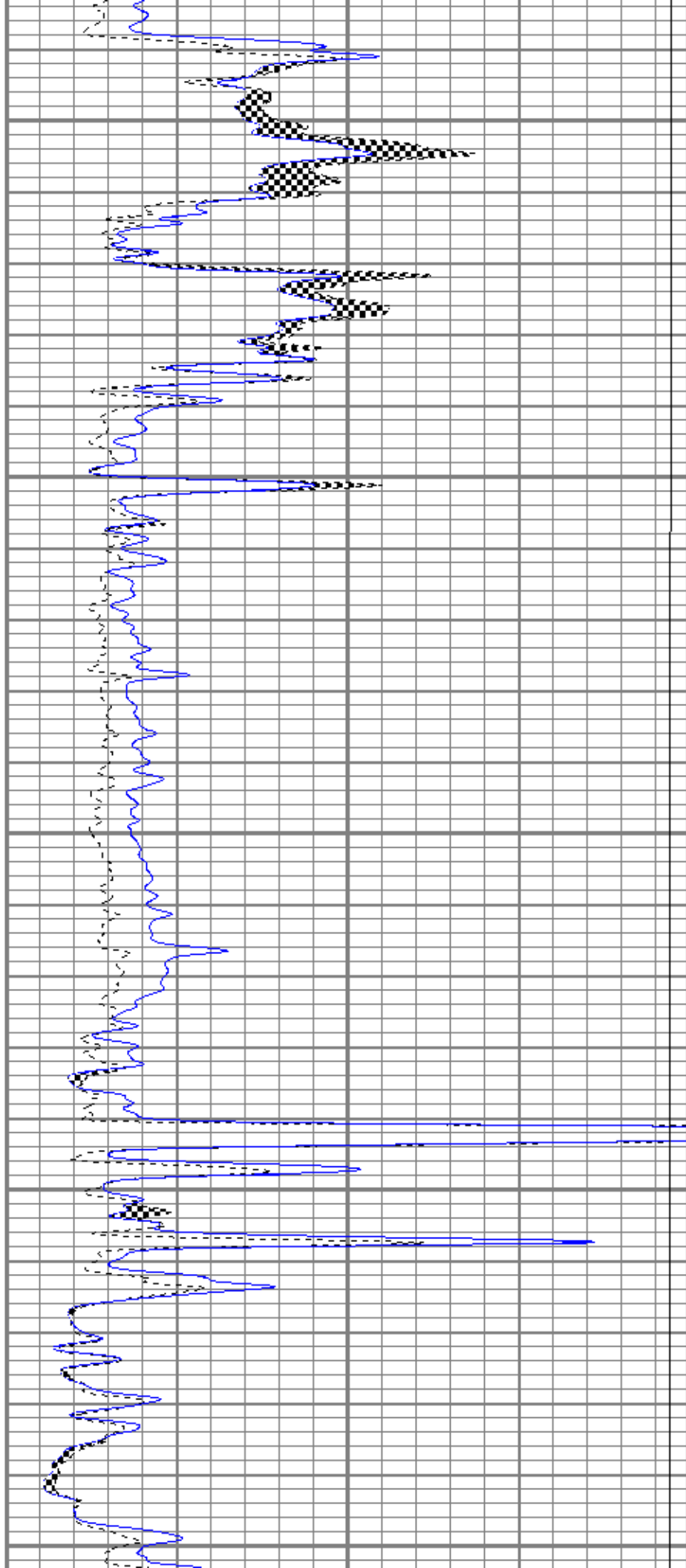
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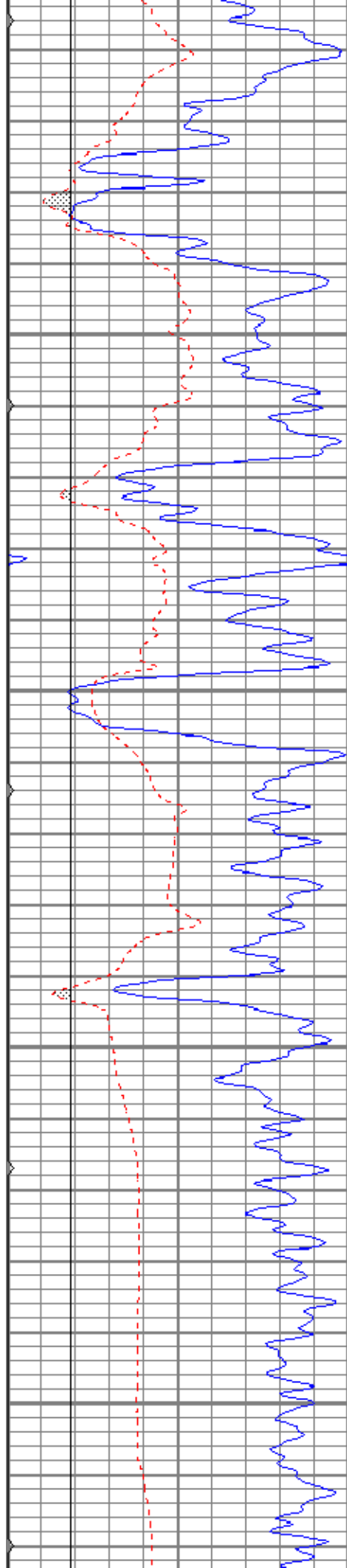
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1550

1600

1650



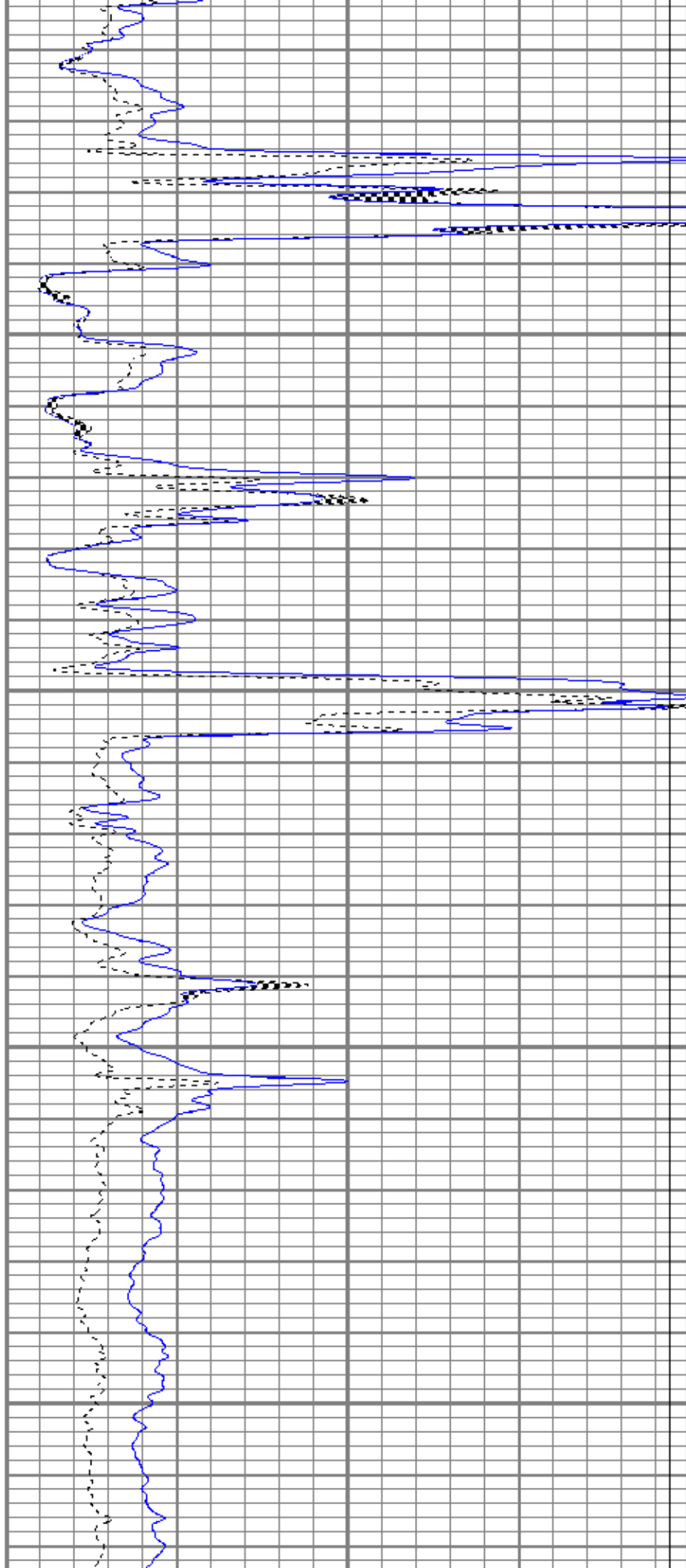


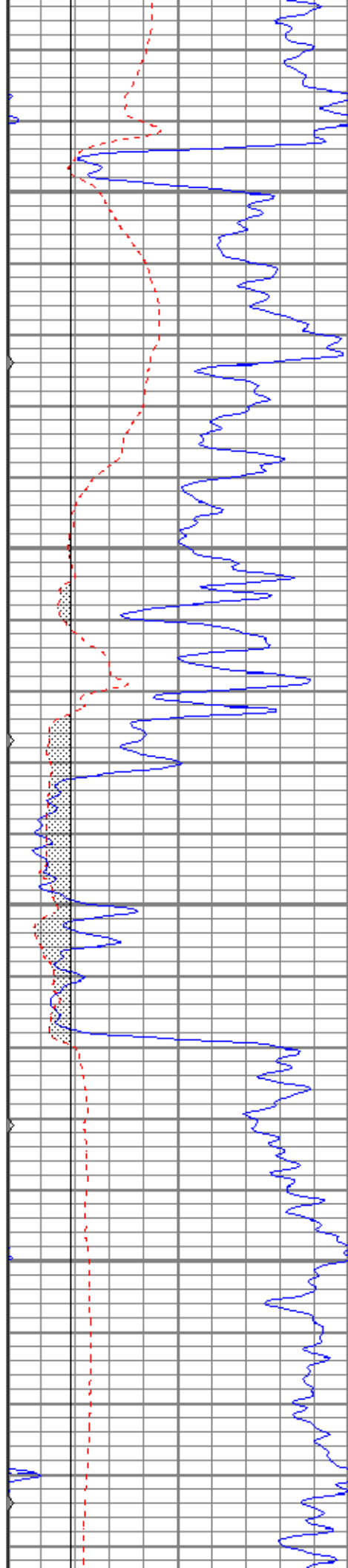
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1750

1800

1850



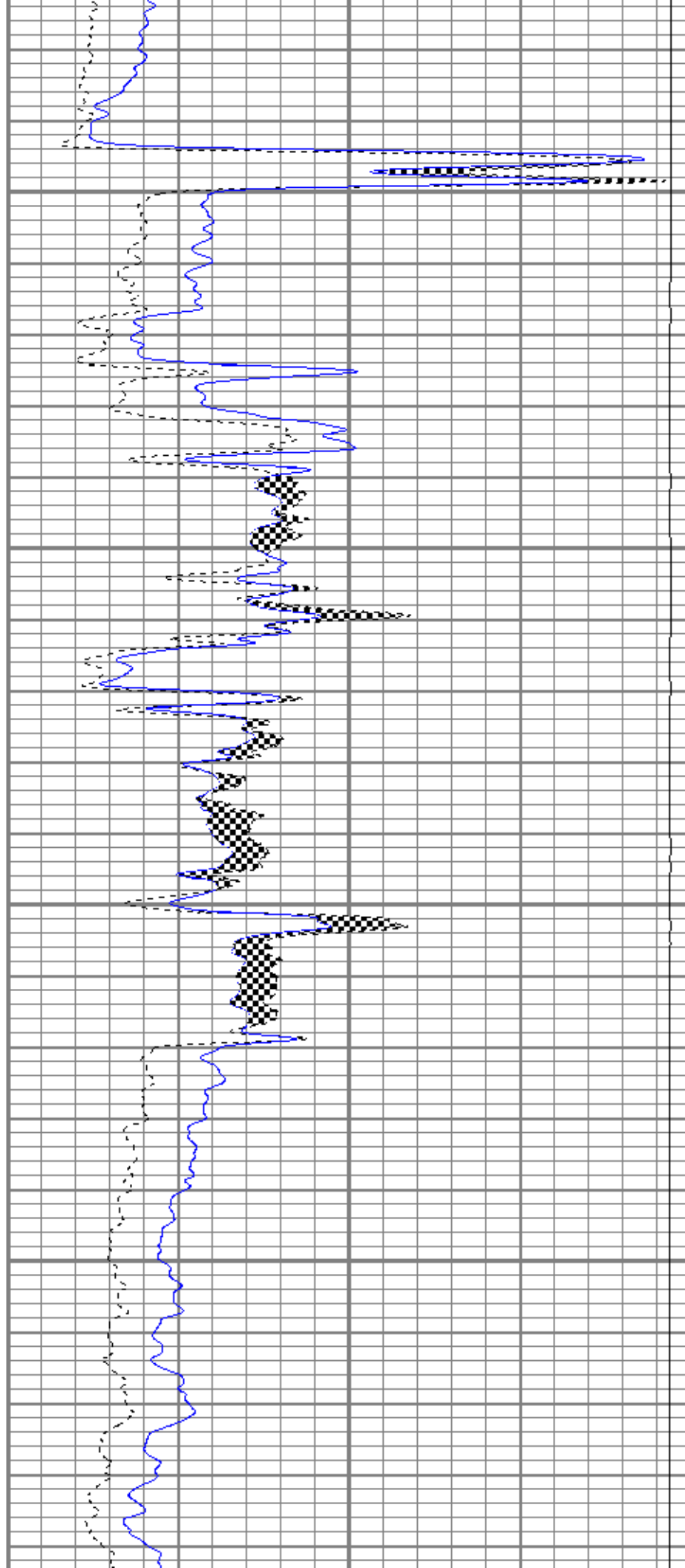


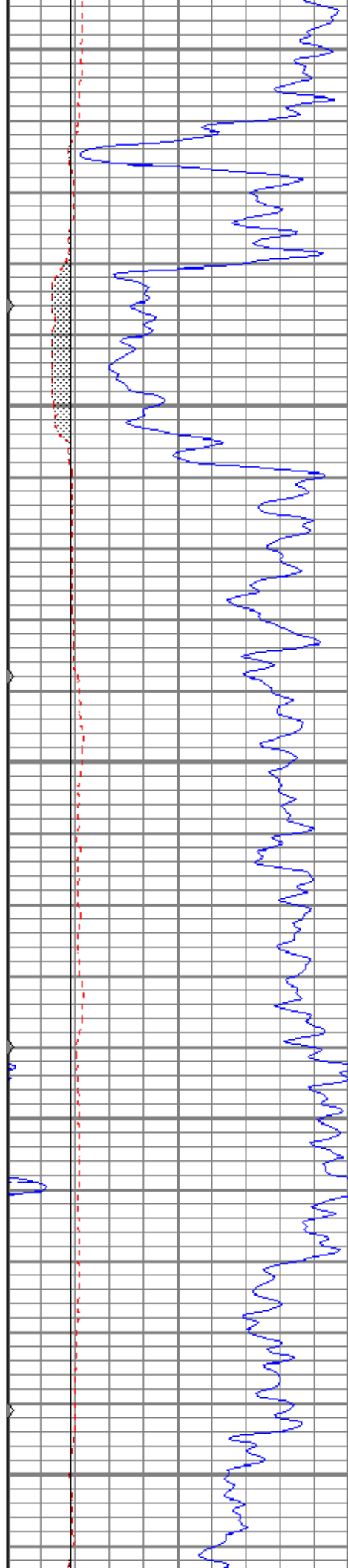
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1950

2000

2050





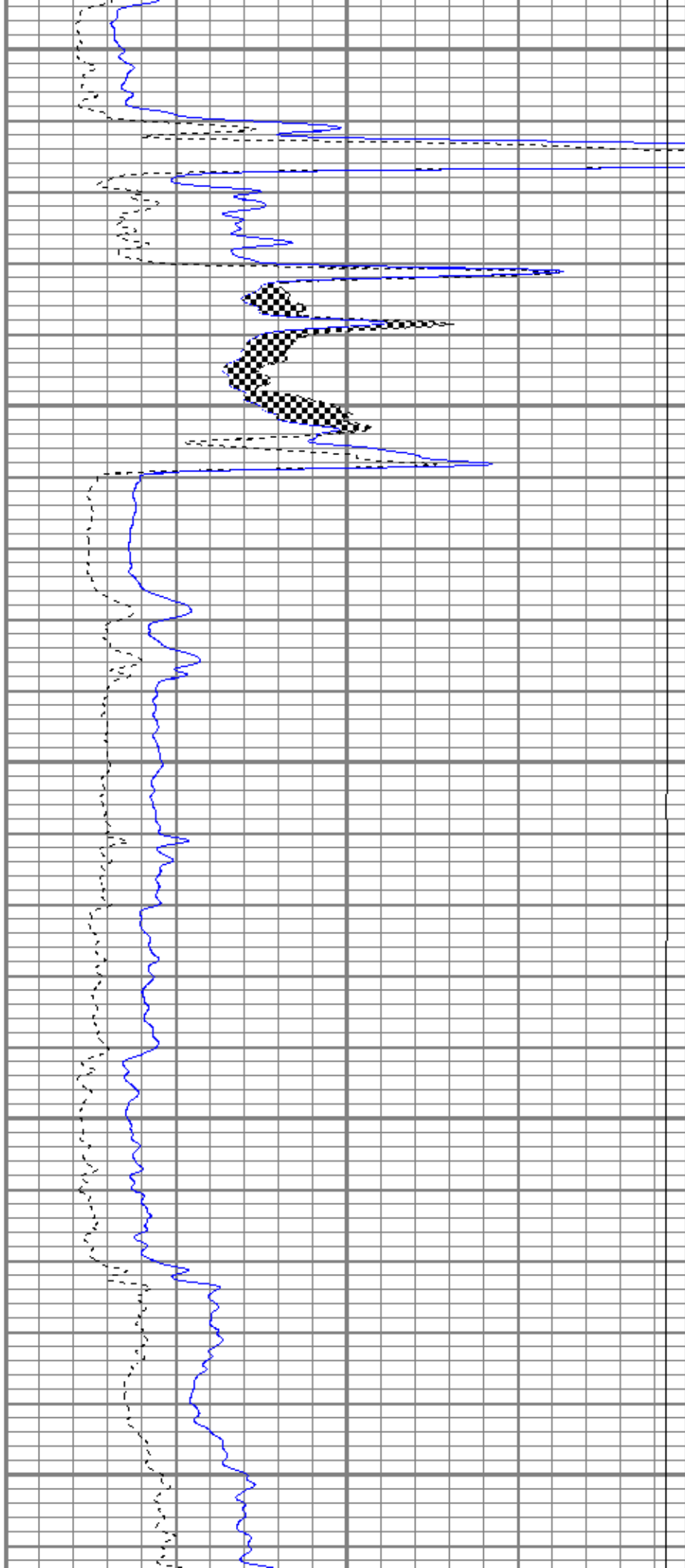
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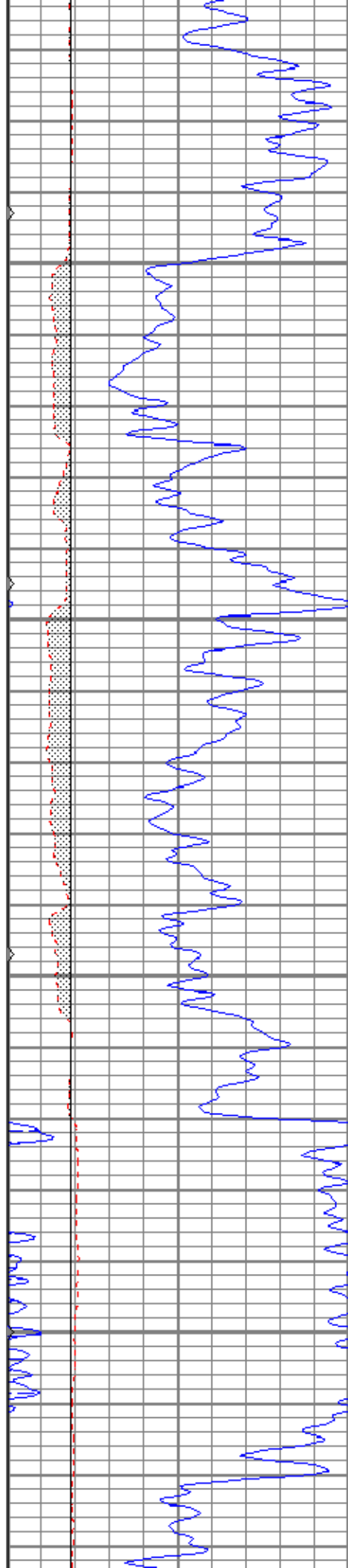
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2200

2250

2300



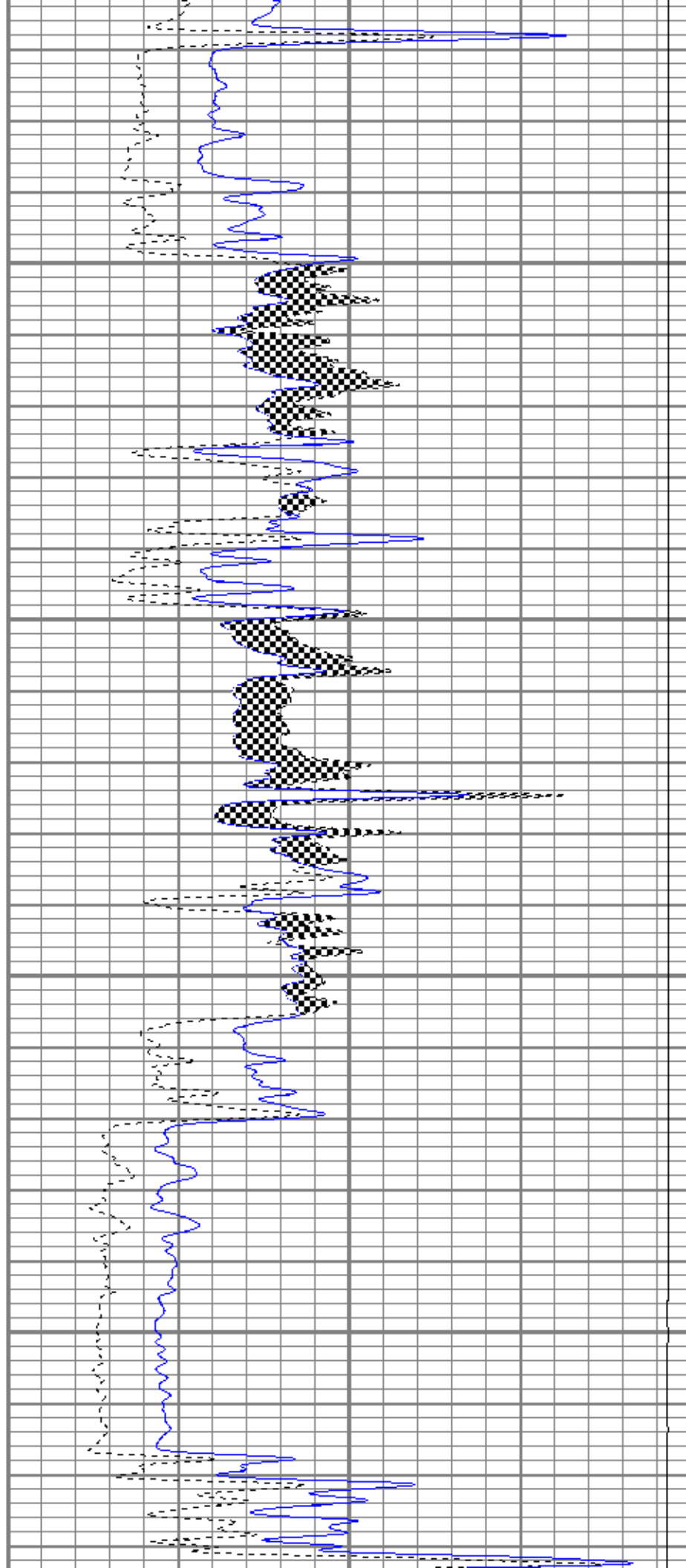


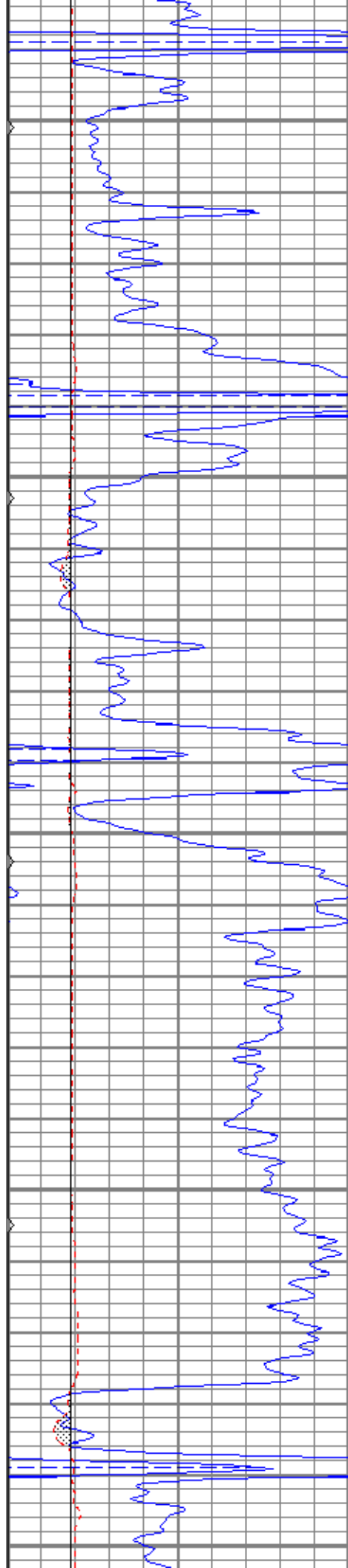
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2400

2450

2500





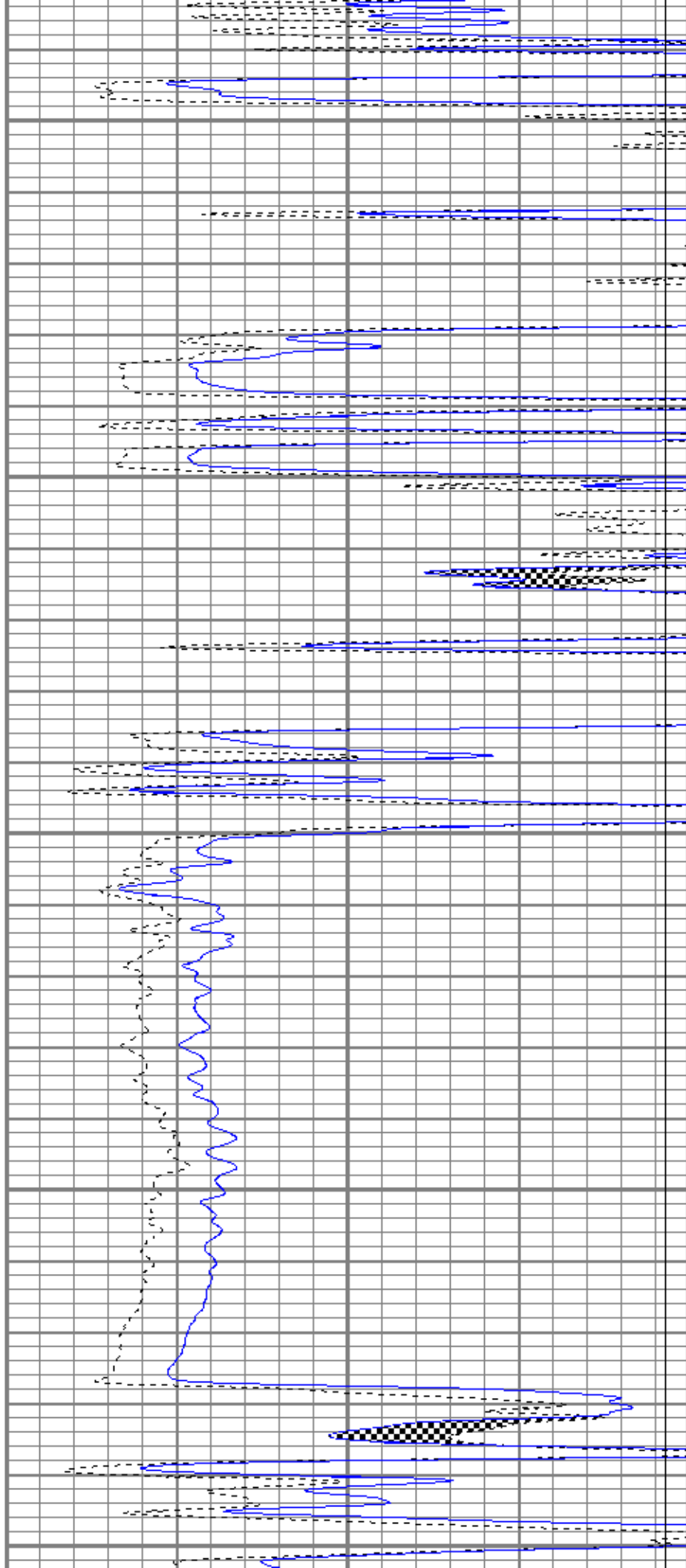
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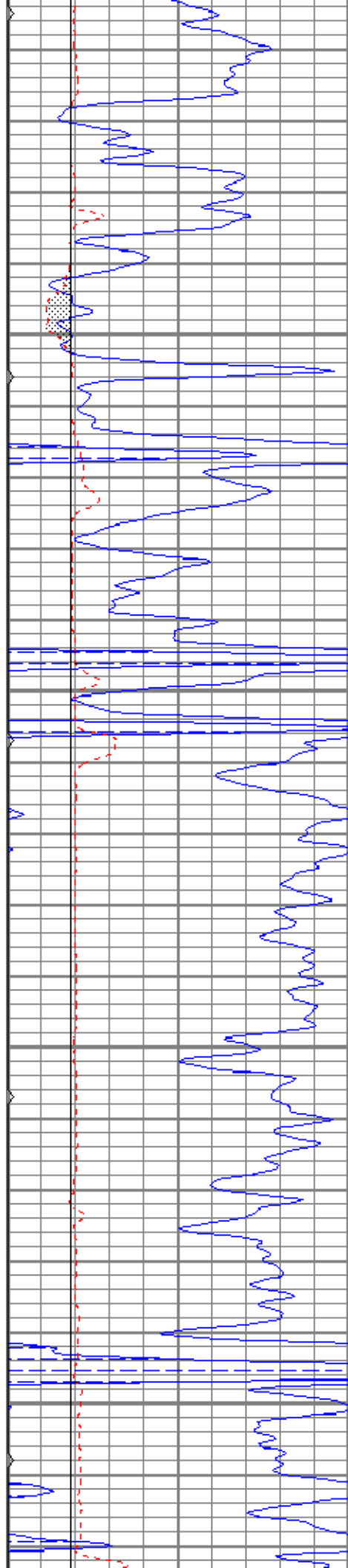
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2650

2700

2750



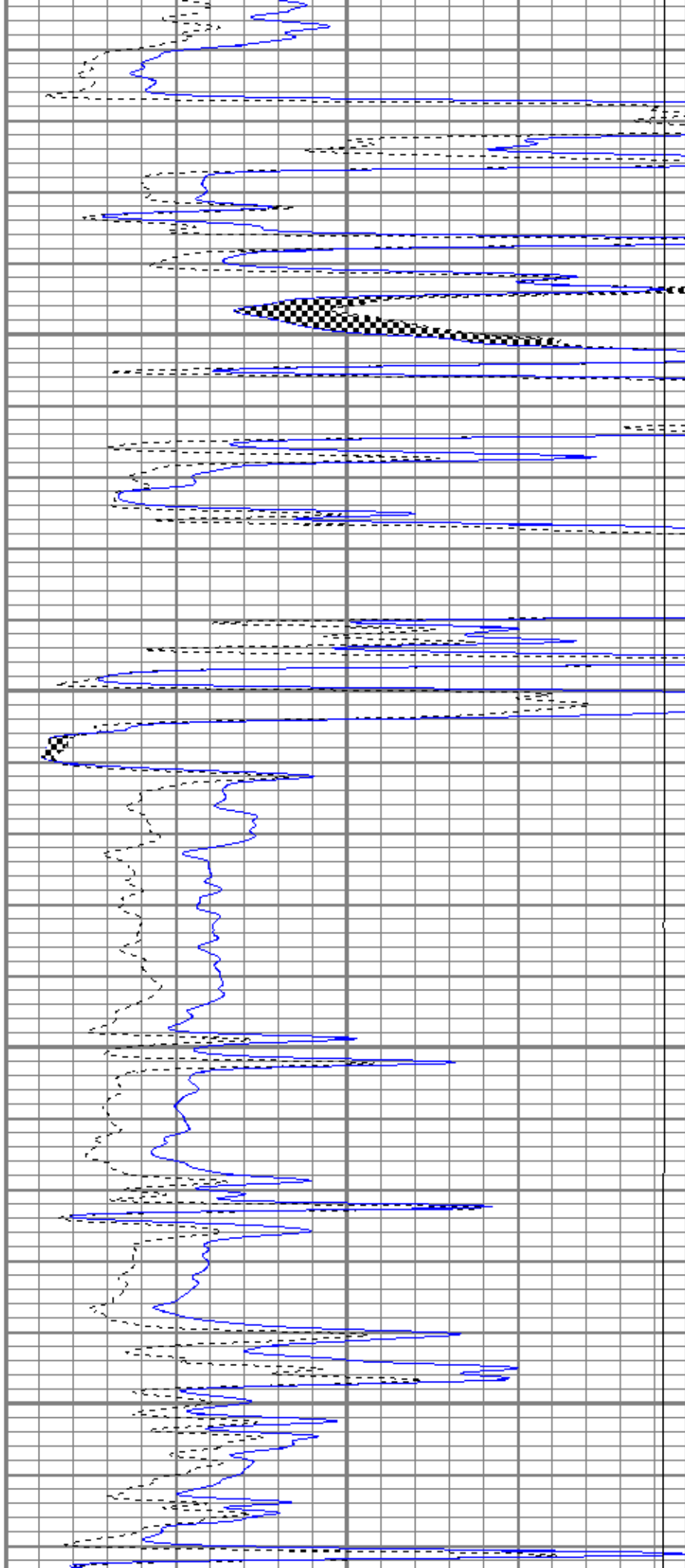


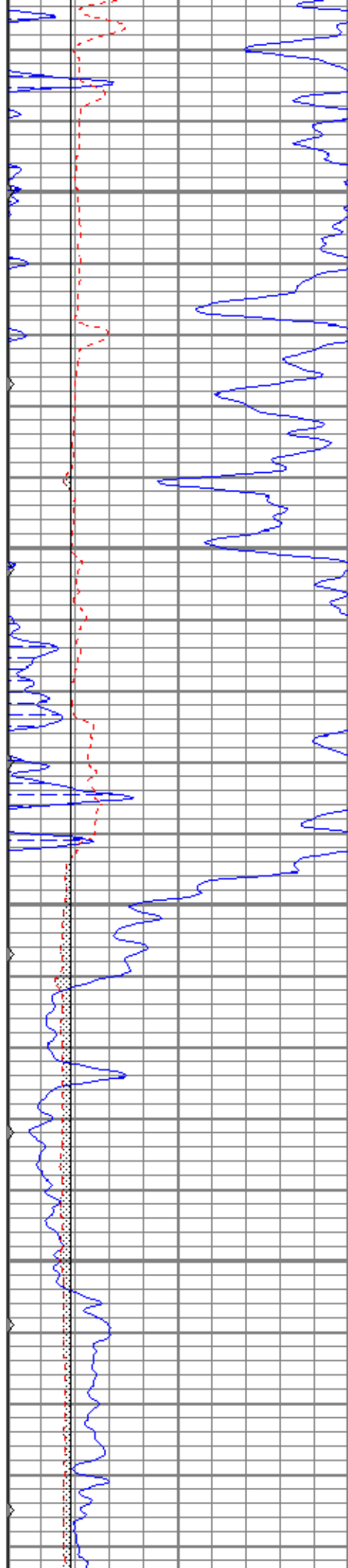
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2850

2900

2950



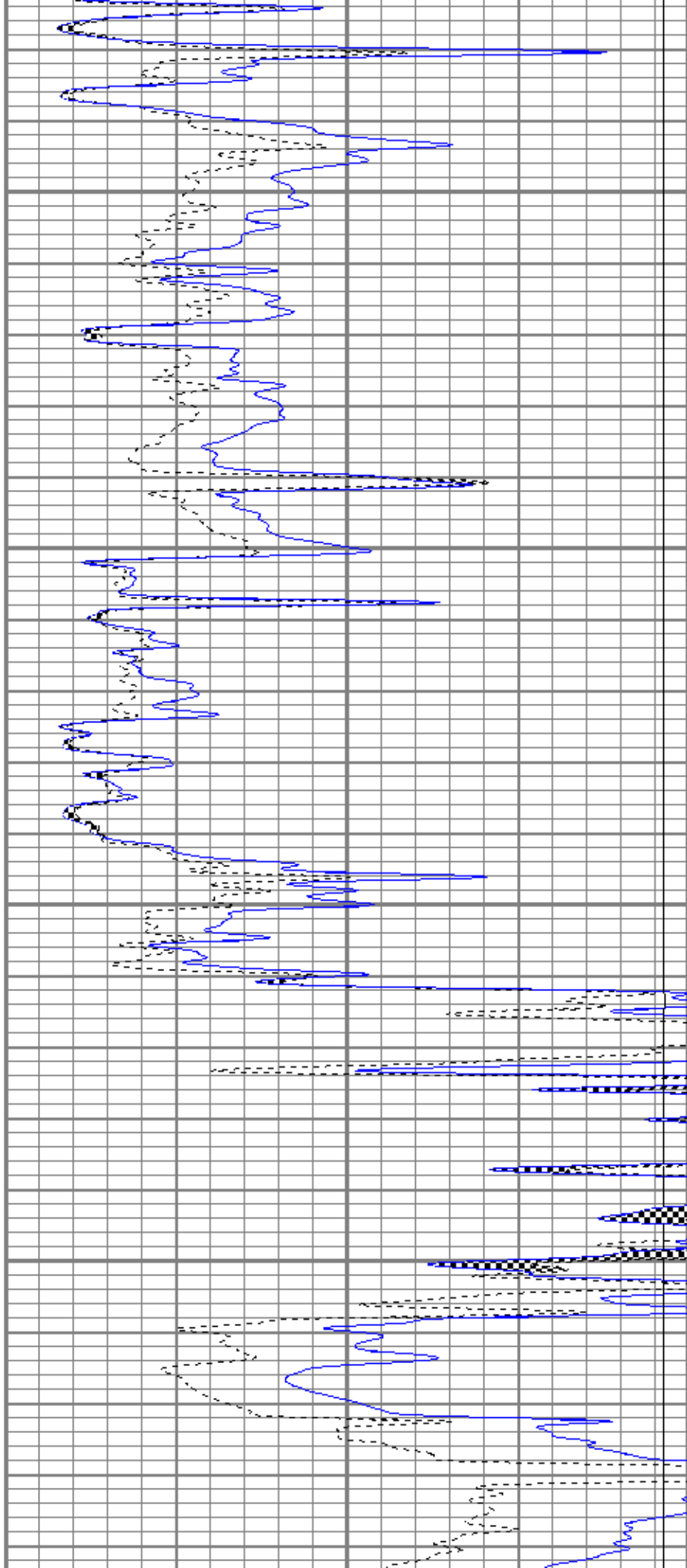


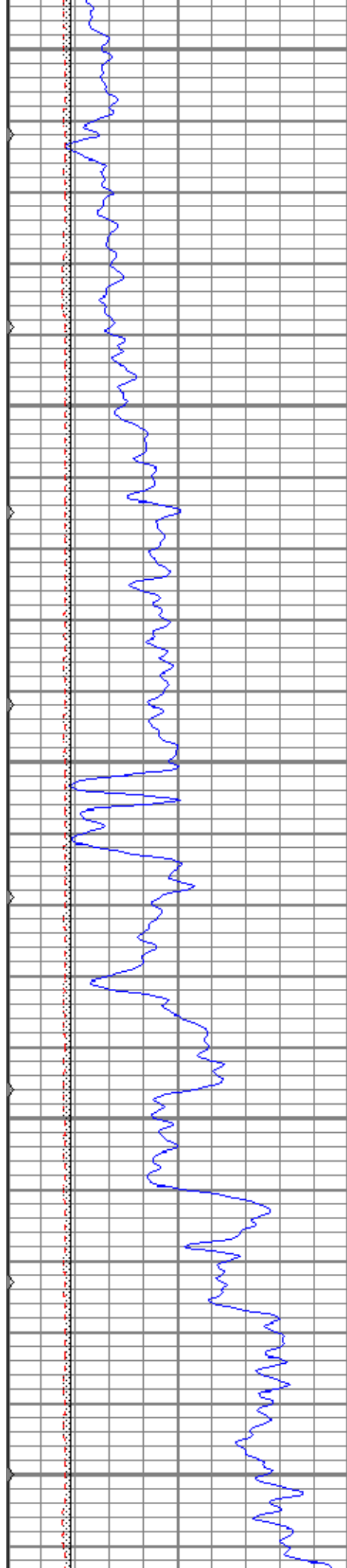
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3050

3100

3150





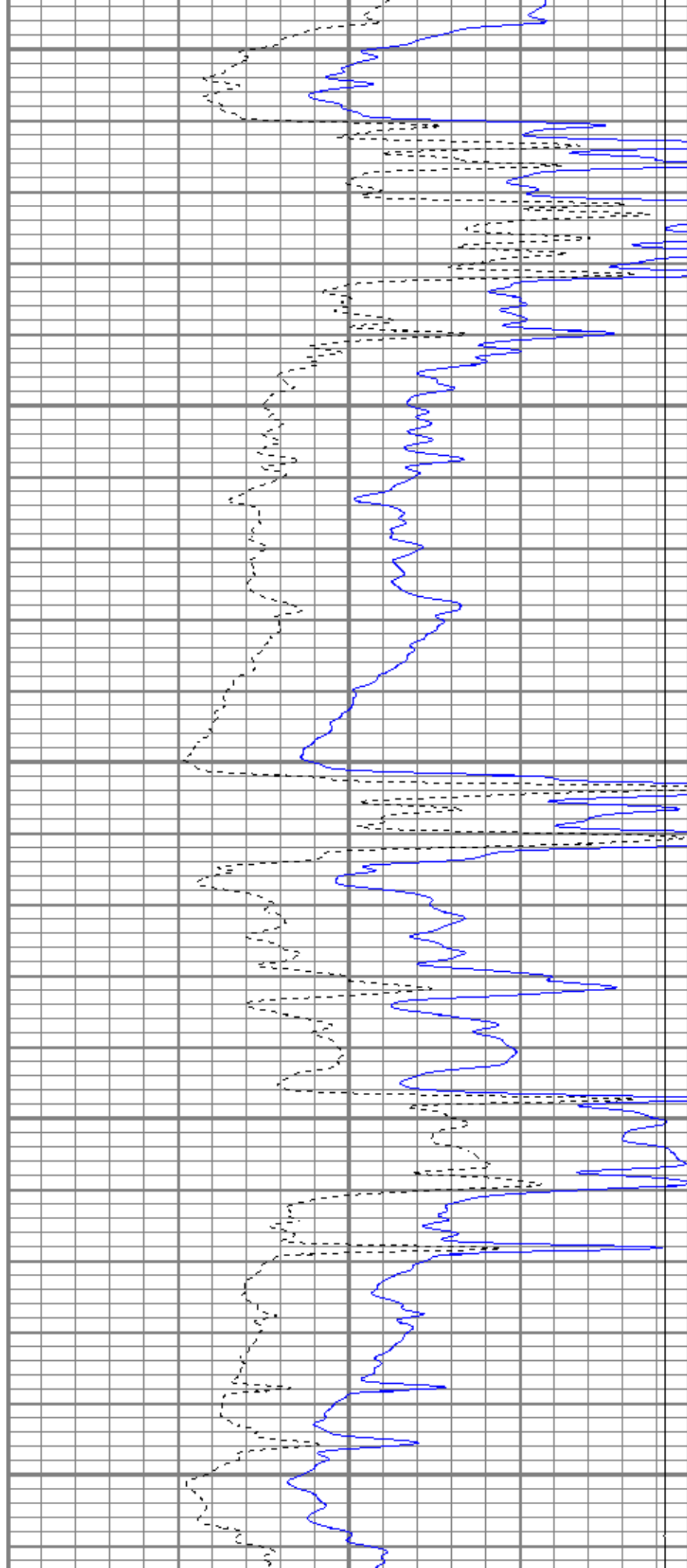
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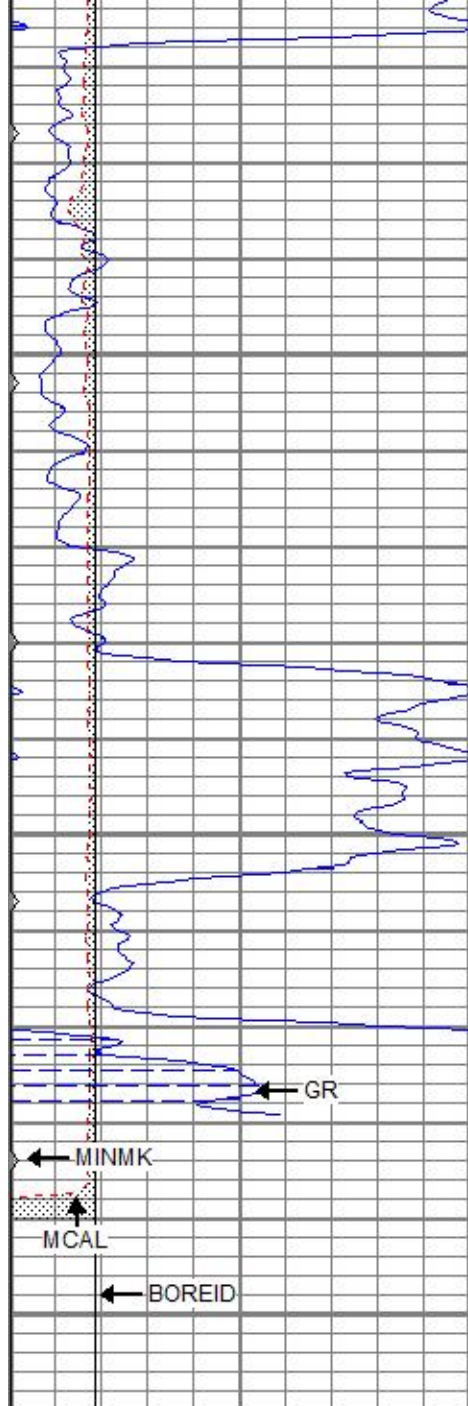
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3300

3350

3400



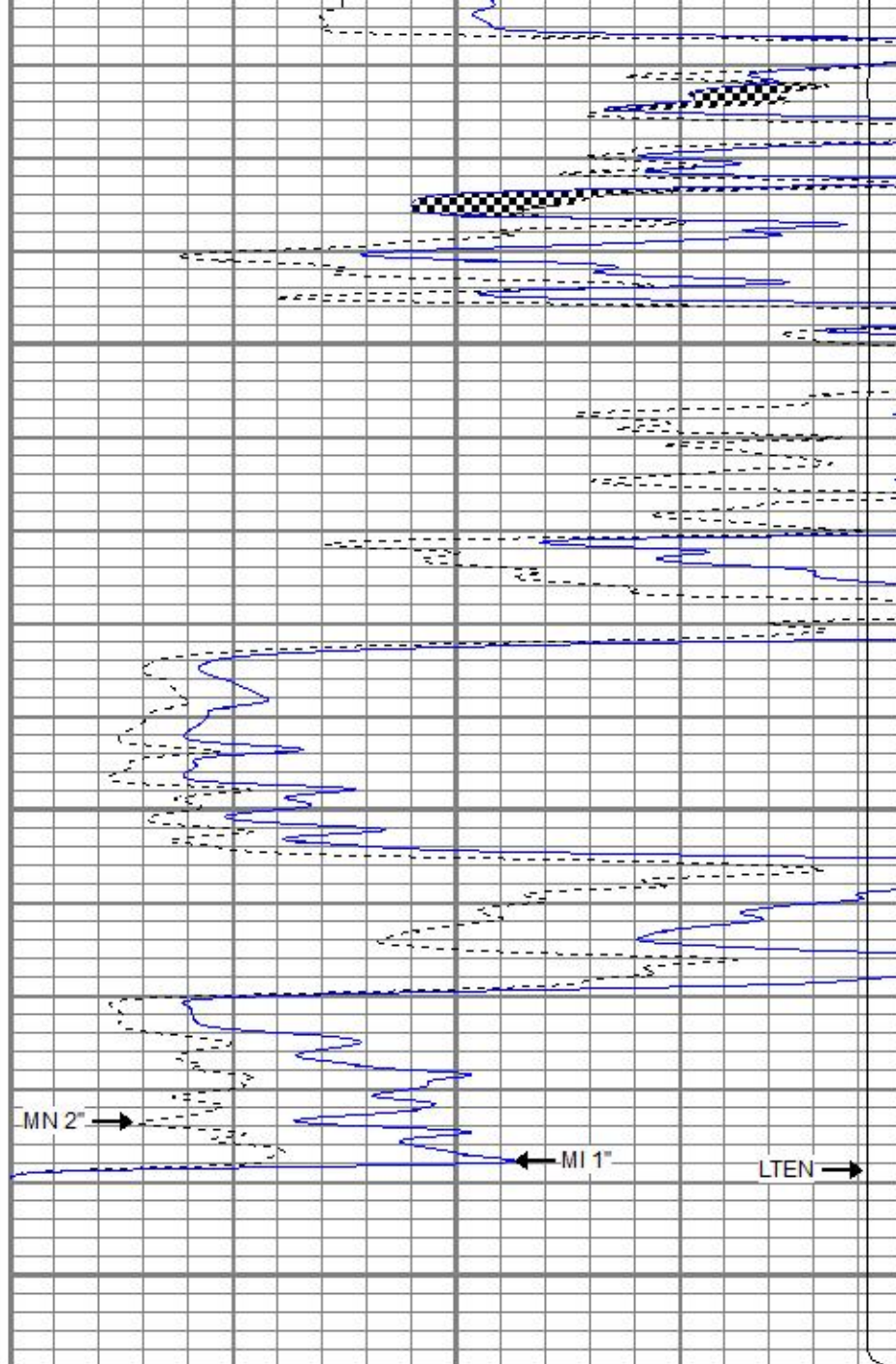


3450

3500

3550

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50



0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0



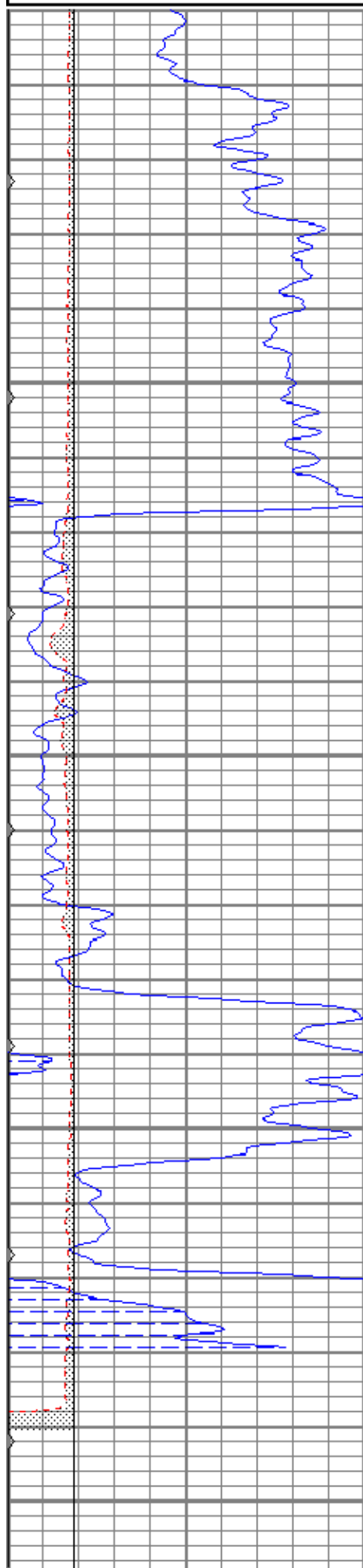
REPEAT SECTION

Database File trohawkins27-1oh.db
 Dataset Pathname pass3
 Presentation Format kml
 Dataset Creation Sun Apr 01 23:15:25 2018
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0

BOREID (in) 10
MINMK 50
0



3300

3400

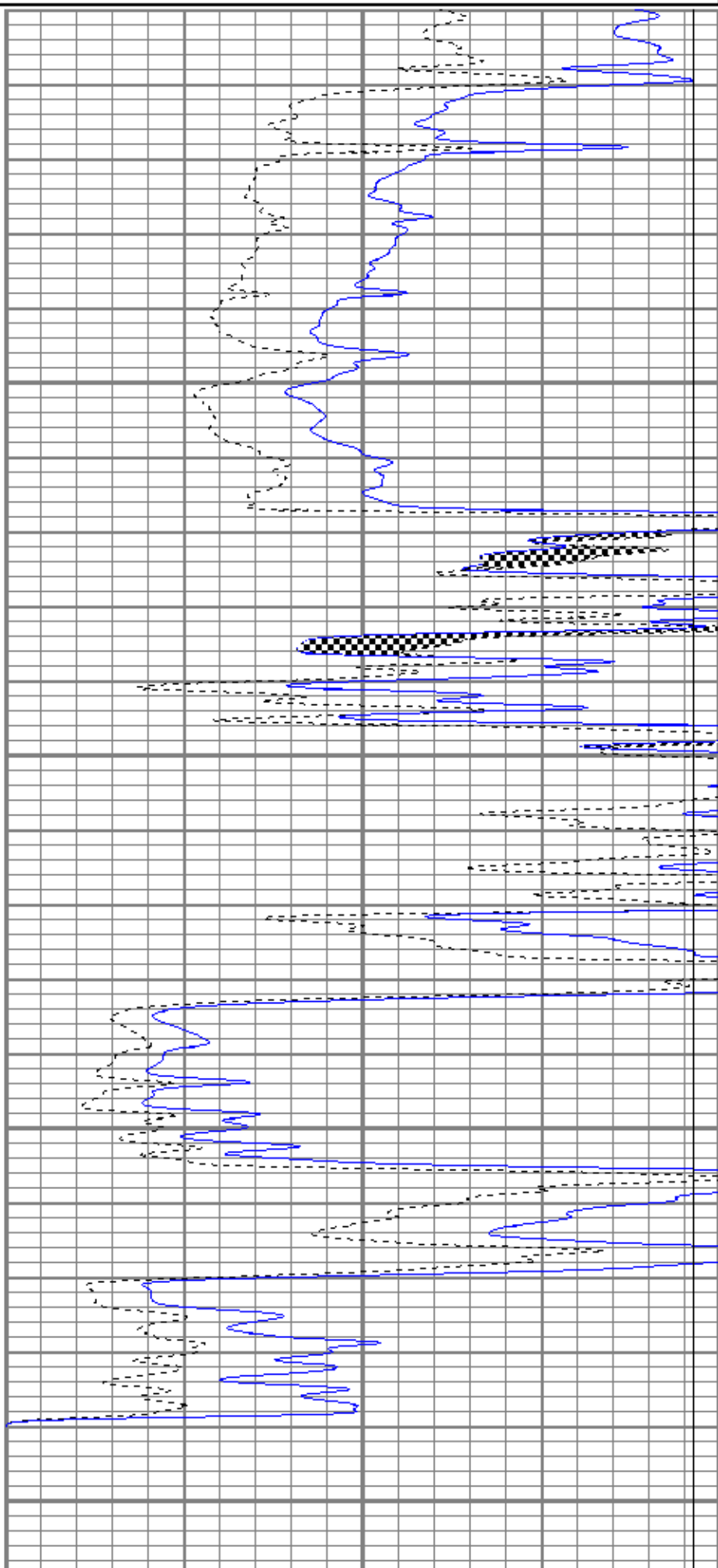
3450

3500

3550

GR (GAPI) 150
0

LTEN (in) 10000
0



MN 2" (Ohm-m) 20
0

6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0

Calibration Report								
Database File	trohawkins27-1oh.db							
Dataset Pathname	pass4							
Dataset Creation	Sun Apr 01 23:27:59 2018							
Microlog Calibration Report								
Serial-Model:			1600-Pengo					
Performed:			Sun Apr 01 23:13:16 2018					
Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0004	0.5862	V	0.0000	10.0000	Ohm-m	17.0471	0.0066
Inverse	0.0013	0.7619	V	0.0000	9.5000	Ohm-m	12.4902	-0.0156
Caliper	1.3663	2.2079	V	6.5500	14.0000	in	8.8516	-5.5436
Gamma Ray Calibration Report								
Serial Number:			2001					
Tool Model:			OH					
Performed:			Sun Nov 12 16:26:41 2017					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			0.7000		GAPI/cps			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	28.34		CHD-STD	0.50	1.69	1.00
			GR-OH (2001)	3.56	3.25	40.00
			2001			
MCAL	21.51		ML-Pengo (1600)	6.97	3.50	100.00
MI	21.51					
MN	21.51					
WVF4	14.25		SLT-G (372)	15.71	3.50	250.00
WVF3	13.25		Sonic			
WVF2	10.25					
WVF1	9.25		CENT-OHlong	4.50	3.50	50.00
			Open Hole long Centralizer			
Dataset:			trohawkins27-1oh.db: field/well/run1/pass4			
Total length:			31.24 ft			
Total weight:			441.00 lb			
O.D.:			3.50 in			