



MICRO RESISTIVITY LOG

Company Taos Resources Operating Company LLC

Well LFJ #4

Field Unnamed

County Cowley State Kansas

Location: API #: 15 035 24675

SEC 33 TWP 32S RGE 5E

Permanent Datum Ground Level Elevation 1262'

Log Measured From KB 5' AGL

Drilling Measured From KB

Other Services
DIL
BCS
CDNL
Elevation
K.B. 1267'
D.F. 1266'
G.L. 1262'

Date 10-17-17

Run Number Two

Depth Driller 3560'

Depth Logger 3560'

Bottom Logged Interval 3538'

Top Log Interval 350'

Casing Driller 8 5/8" @ 243'

Casing Logger 243'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.7/46

pH / Fluid Loss 9.5/8.6

Source of Sample Pit

Rm @ Meas. Temp 1.10@76degf

Rmf @ Meas. Temp 0.88@76degf

Rmc @ Meas. Temp 1.41@76degf

Source of Rmf / Rmc Calculated

Rm @ BHT 0.75@111degf

Time Circulation Stopped 9:00 a.m.

Time Logger on Bottom 2:00 p.m.

Maximum Recorded Temperature 111degf

Equipment Number T-729

Location Hays, KS

Recorded By C. Patterson

Witnessed By Mr. Mike Pressnall

Mr. Ray Dorothy

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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

East of Winfield(Main St. and 160 Hwy) 6.5 mi. to 151st rd., 1 south to 172nd Rd.,
1/2 West, South into Location

Thank you for using Gemini Wireline
785-625-1182

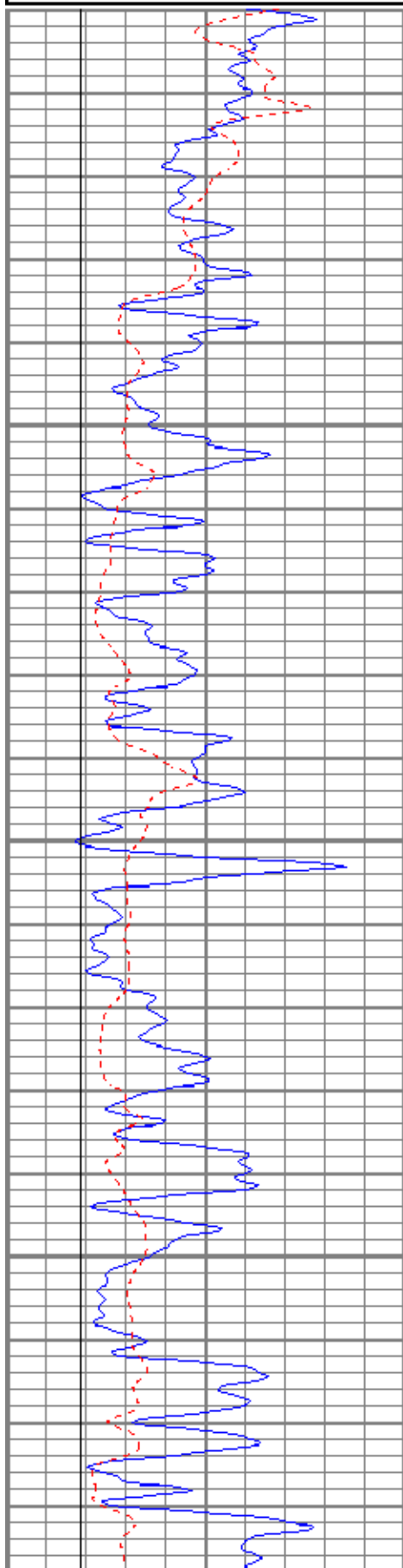


MAIN PASS

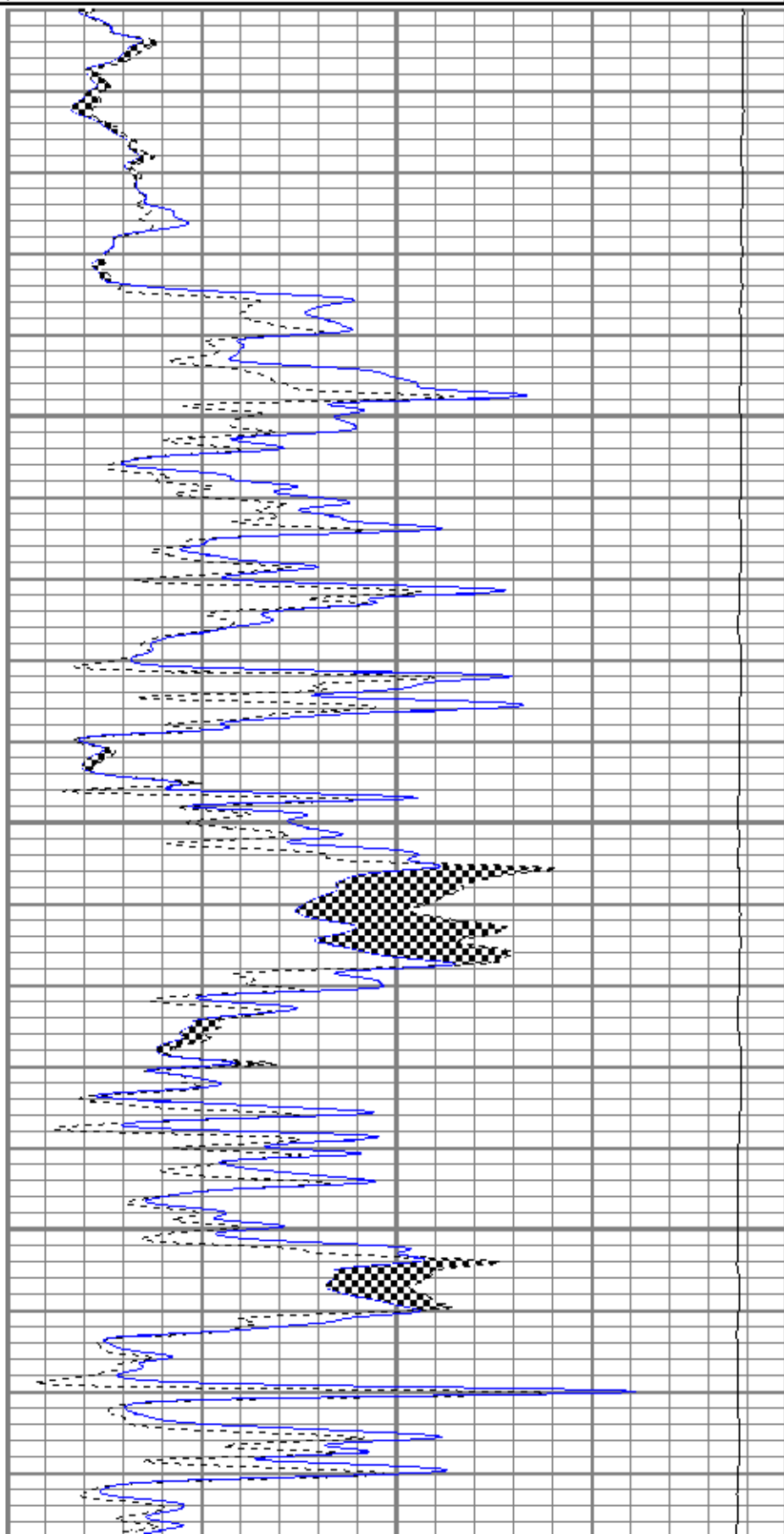
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Dataset Pathname pass4
Presentation Format kml
Dataset Creation Tue Oct 17 14:13:18 2017
Charted by Depth in Feet scaled 1:240

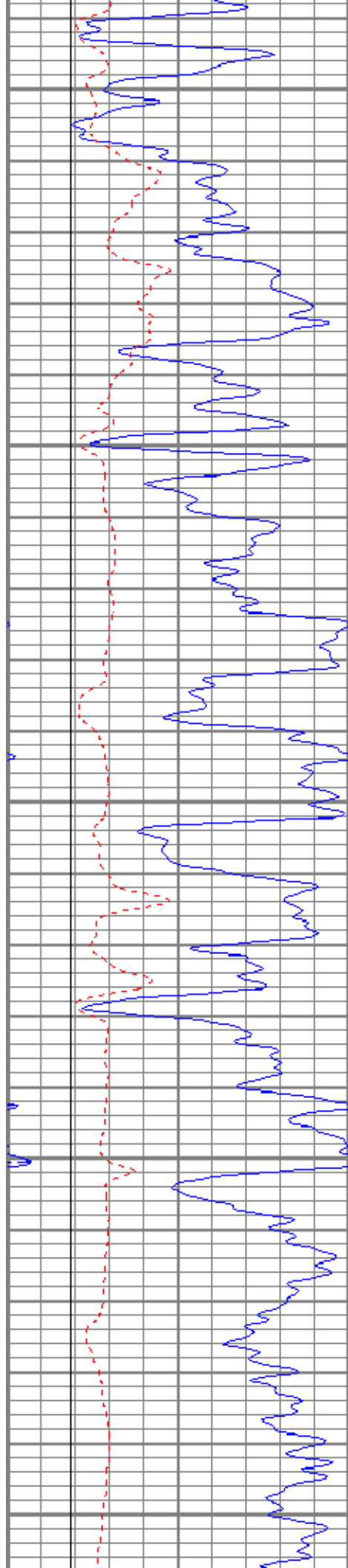
0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

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



300
400
450
500





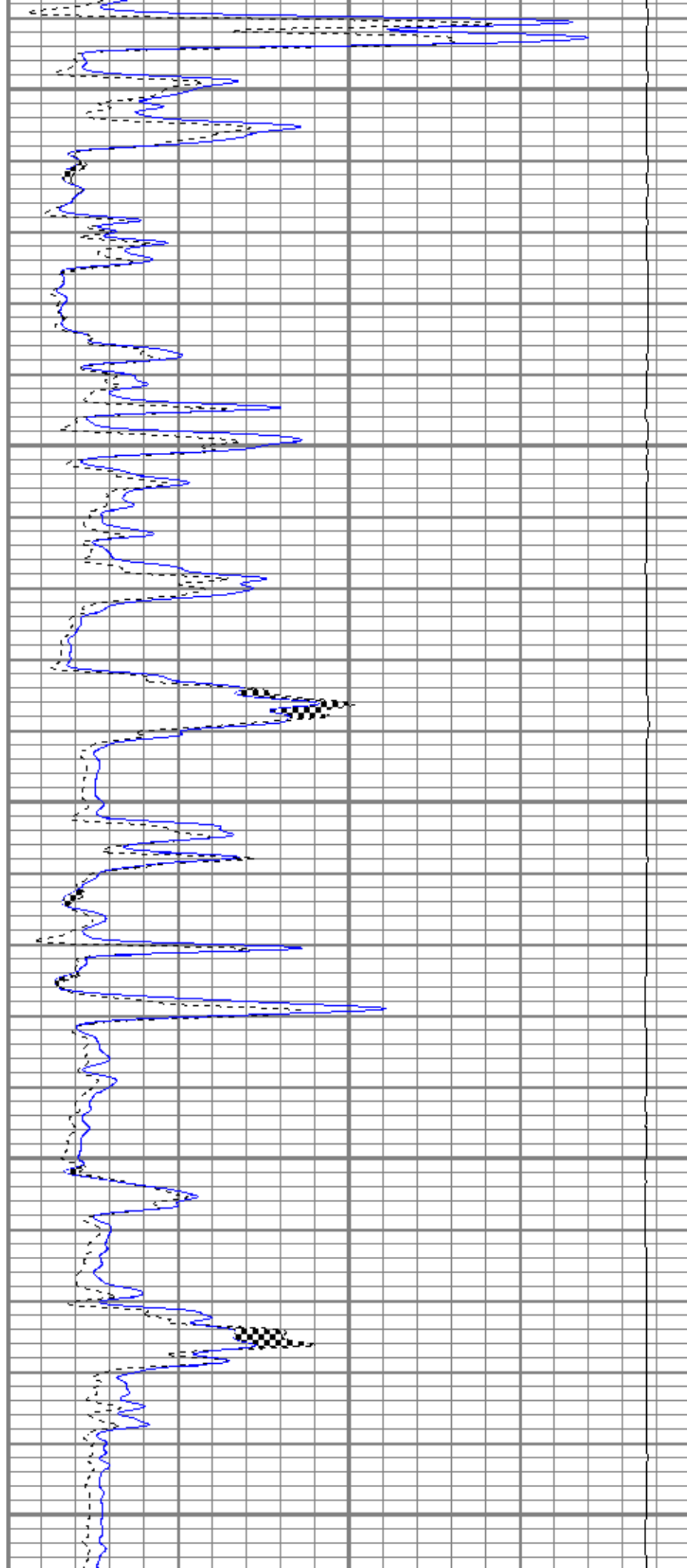
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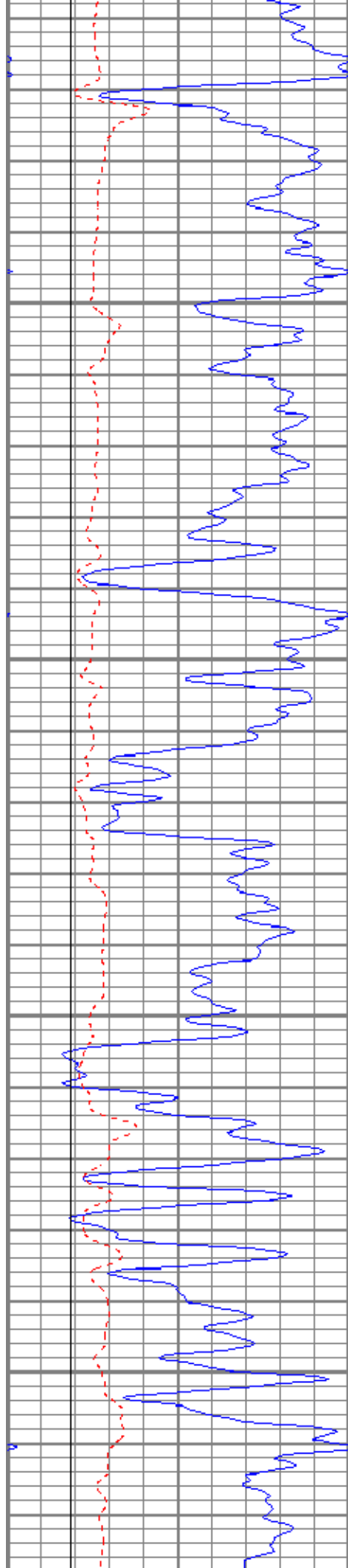
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650

700

750



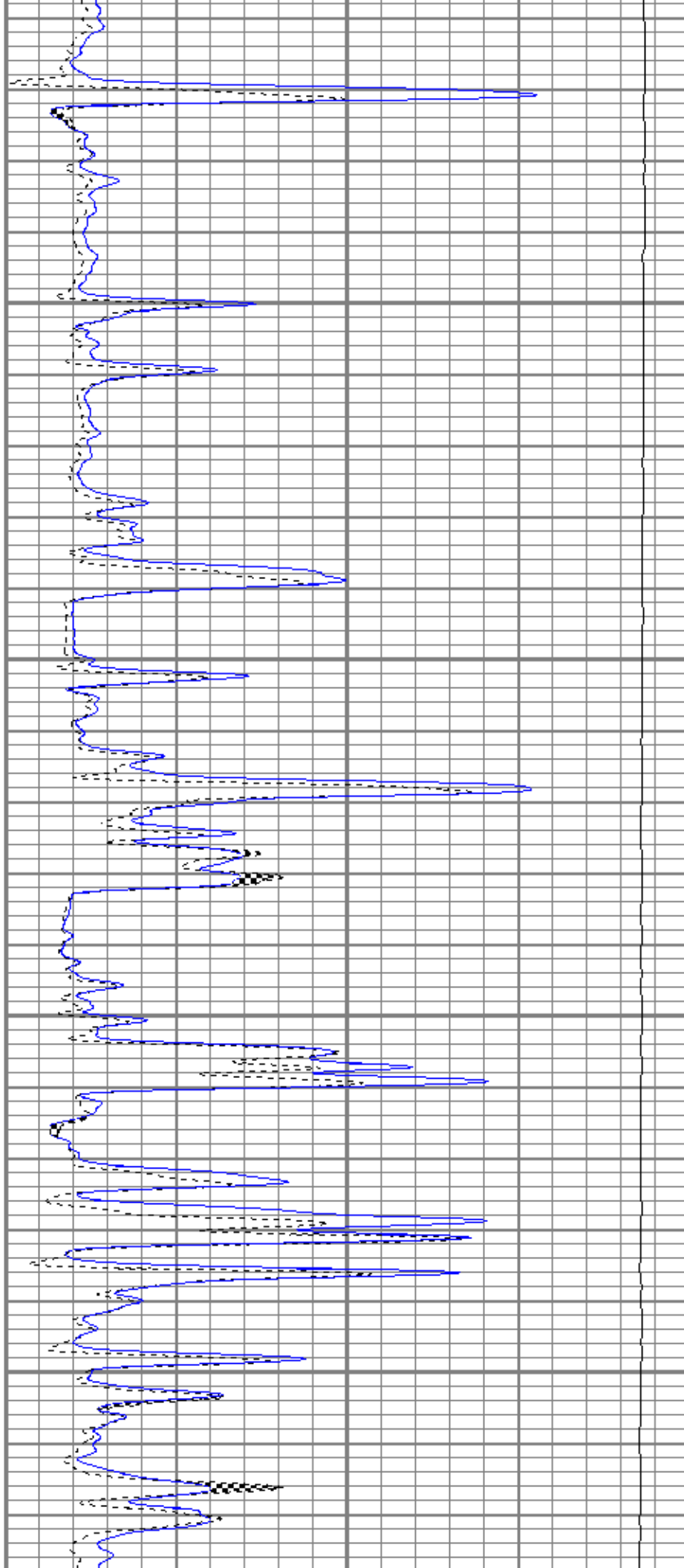


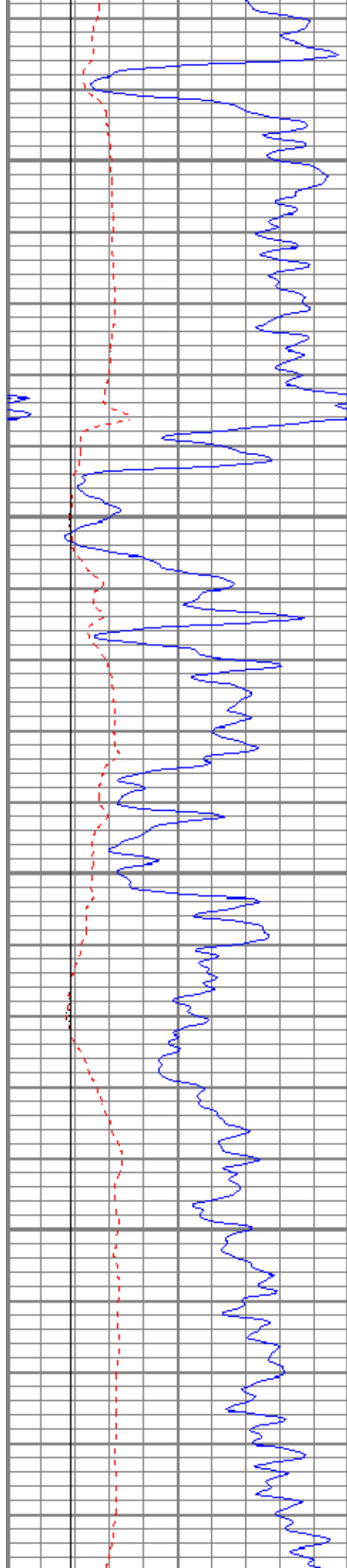
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850

900

950



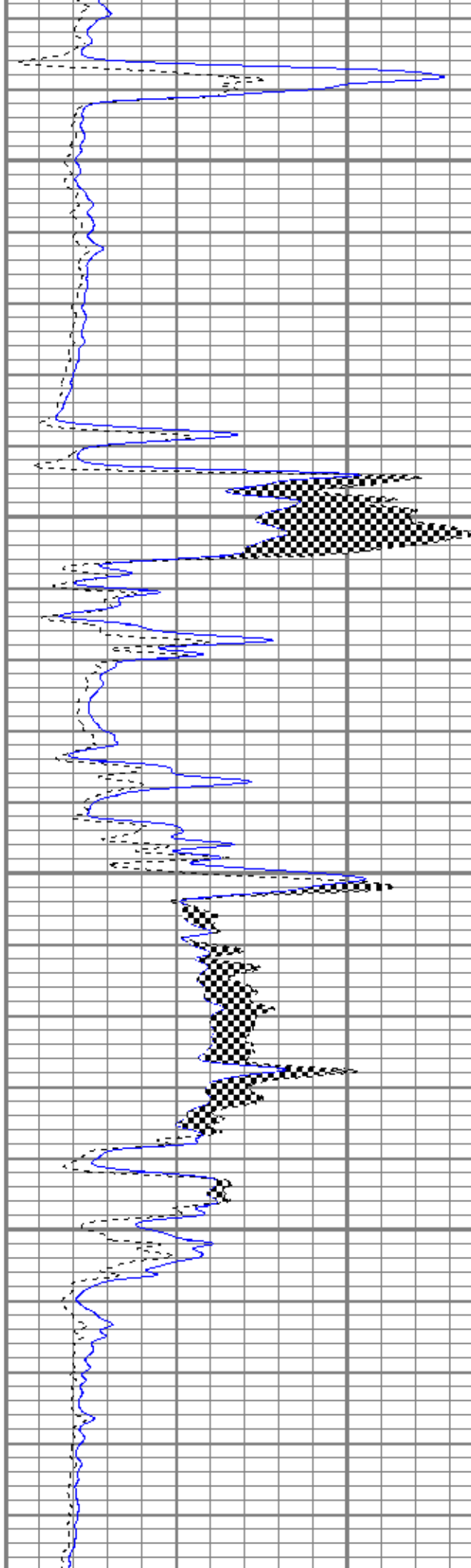


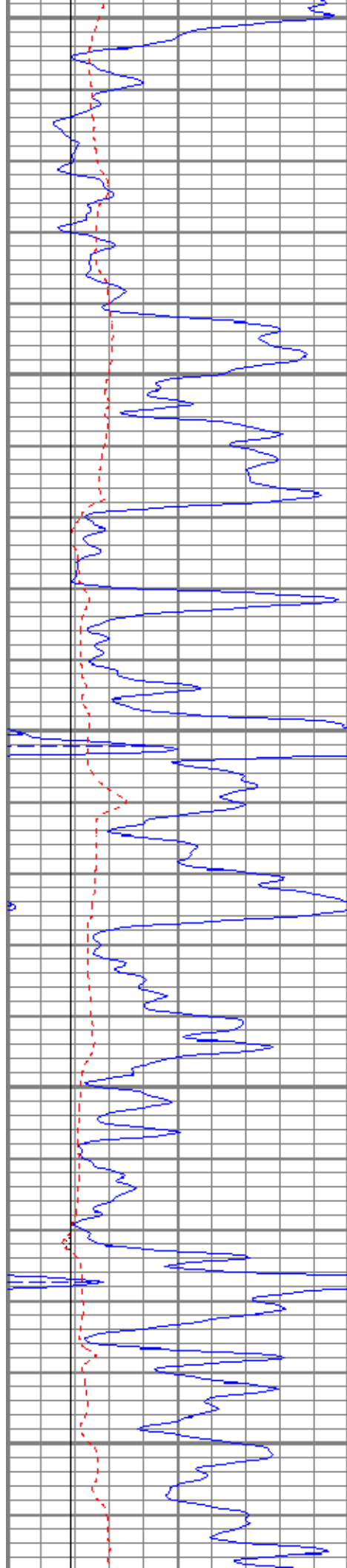
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1050

1100

1150





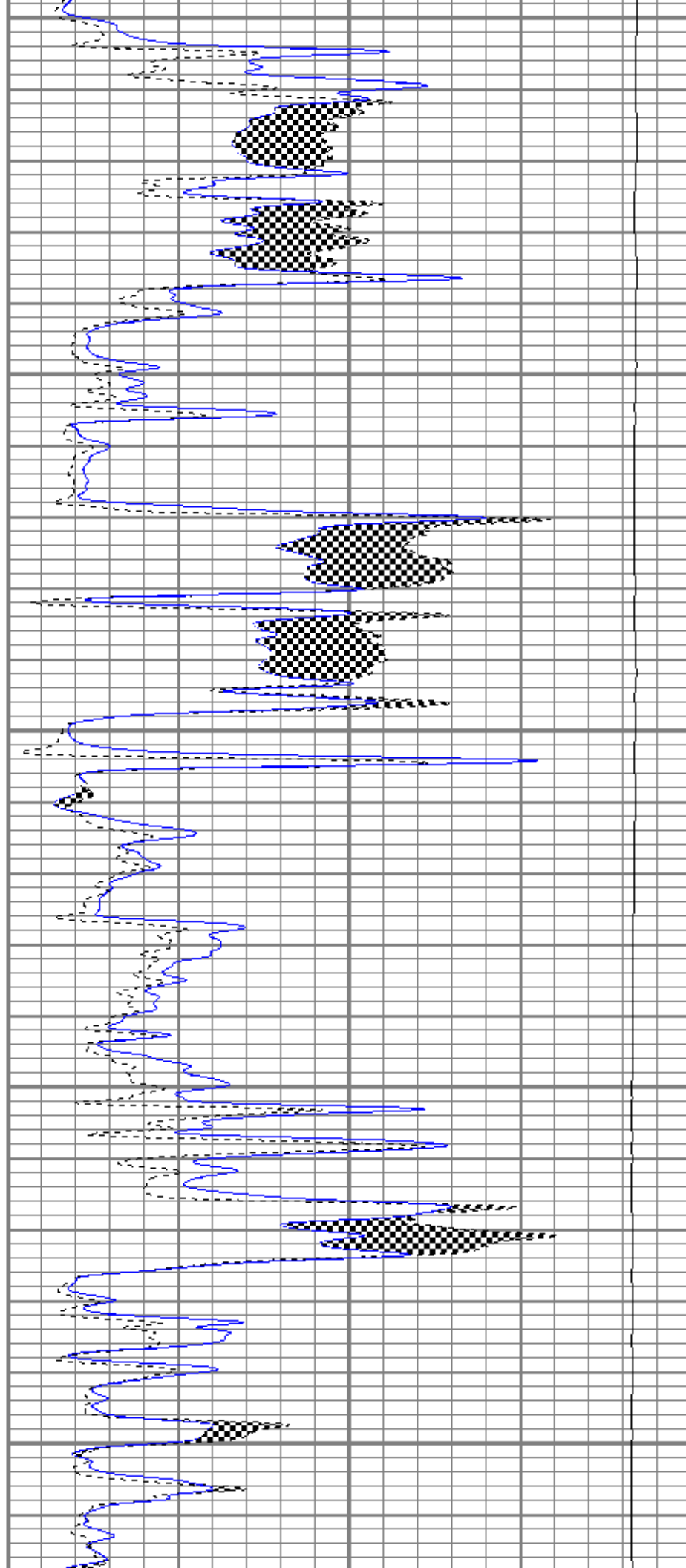
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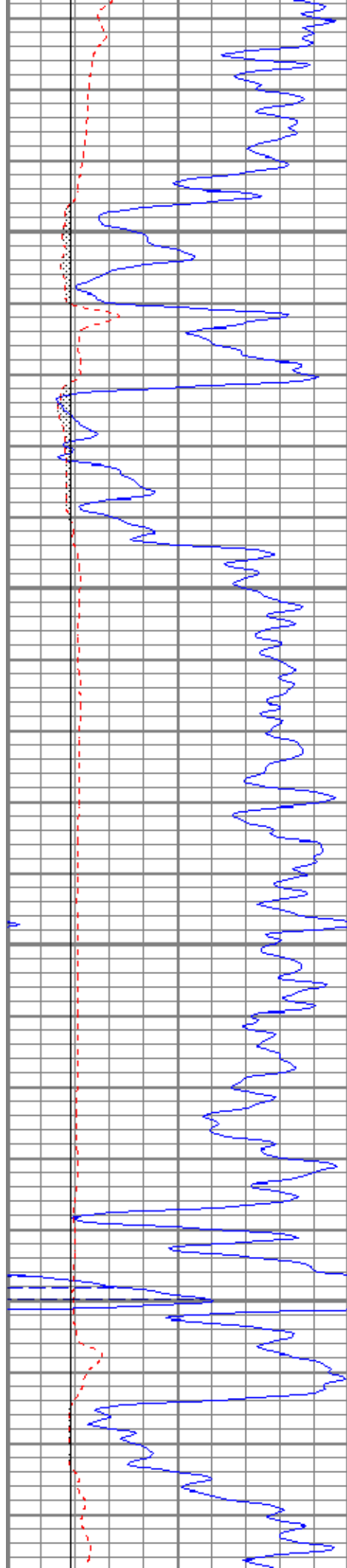
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1300

1350

1400



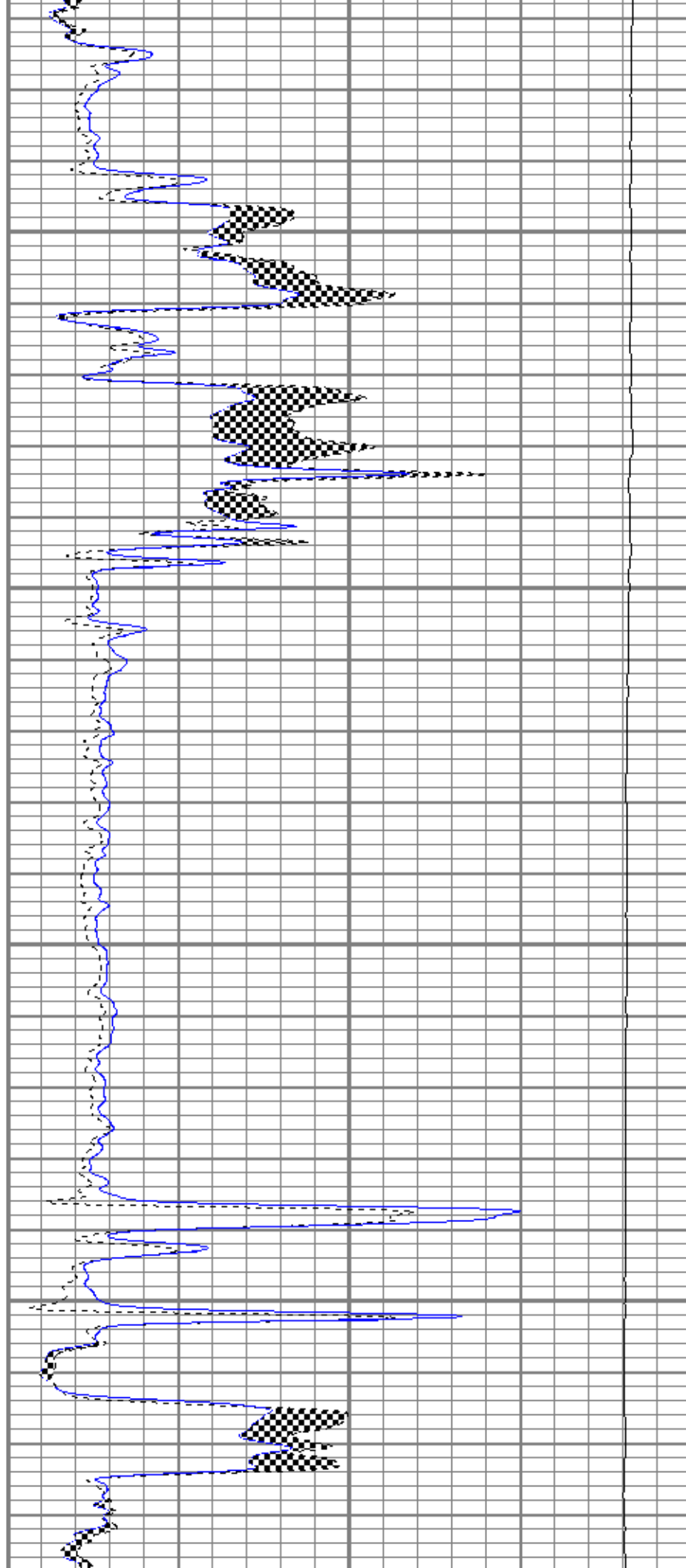


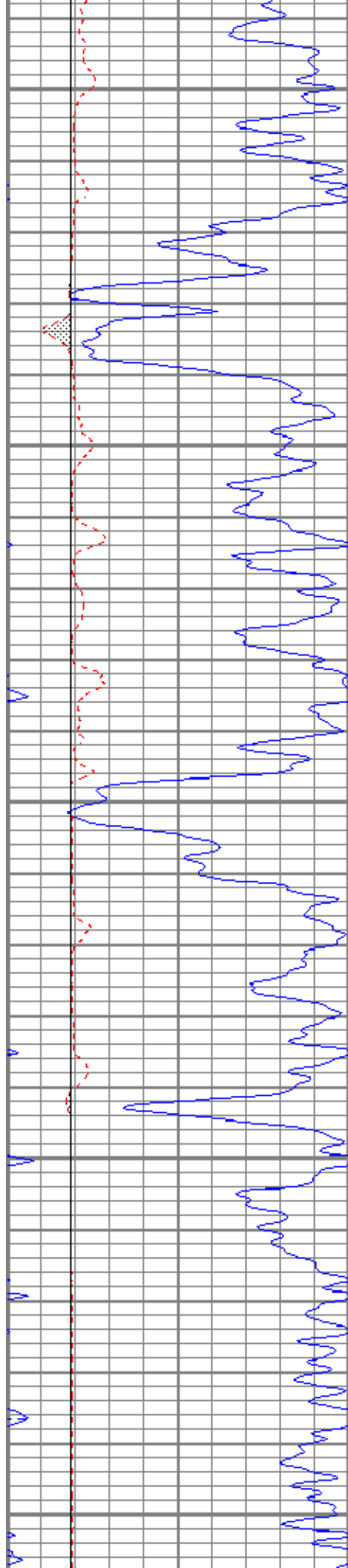
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1500

1550

1600





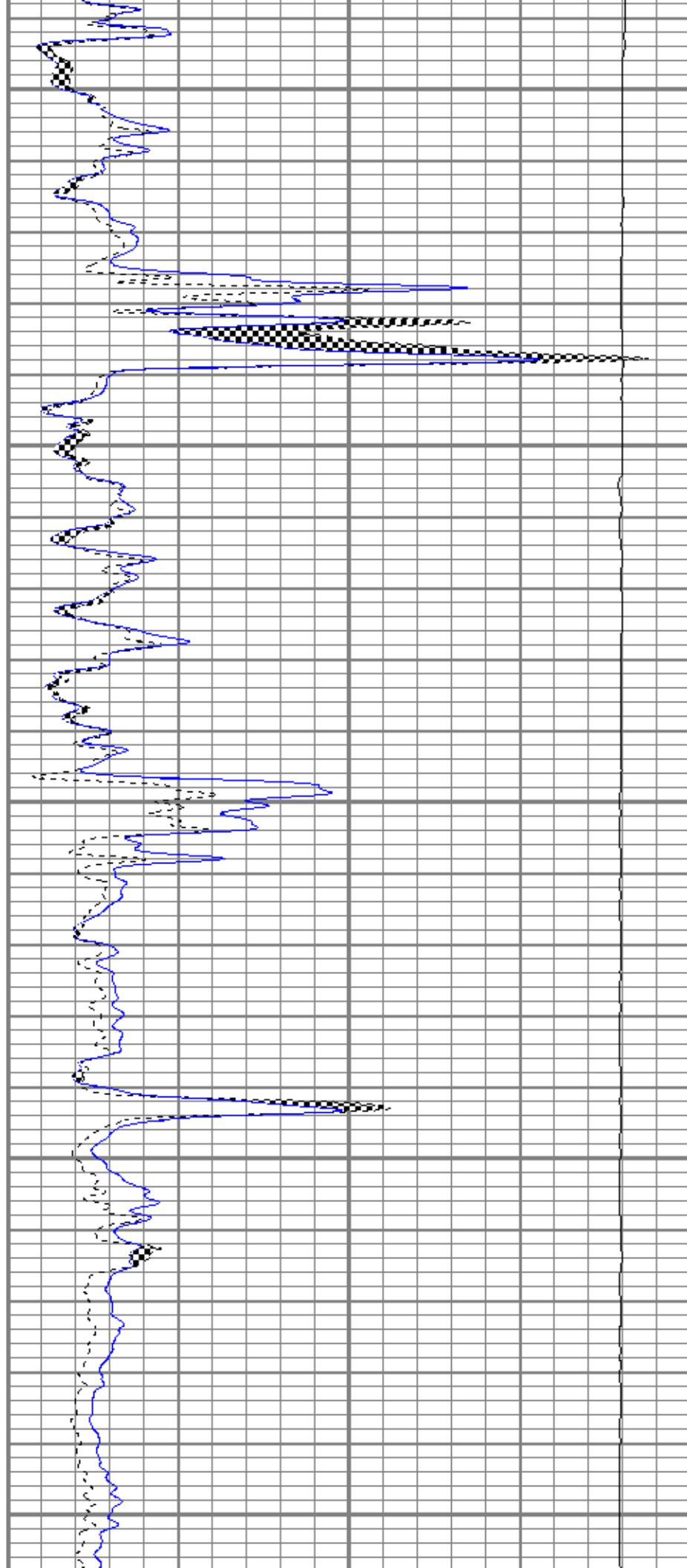
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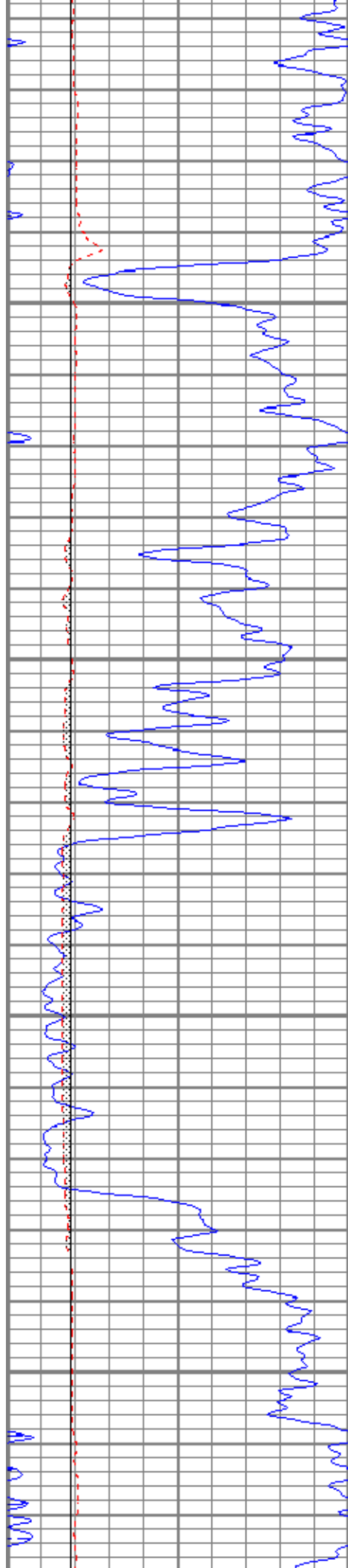
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1750

1800

1850



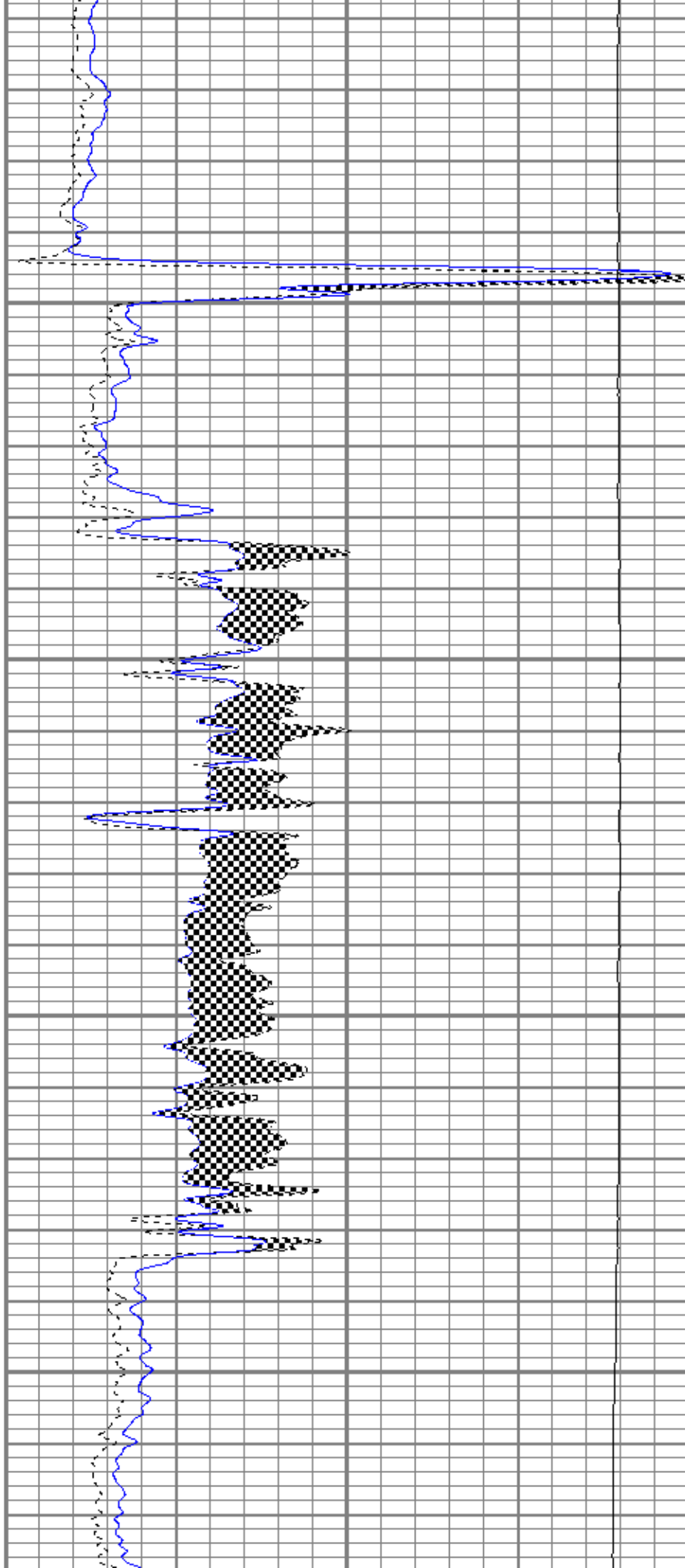


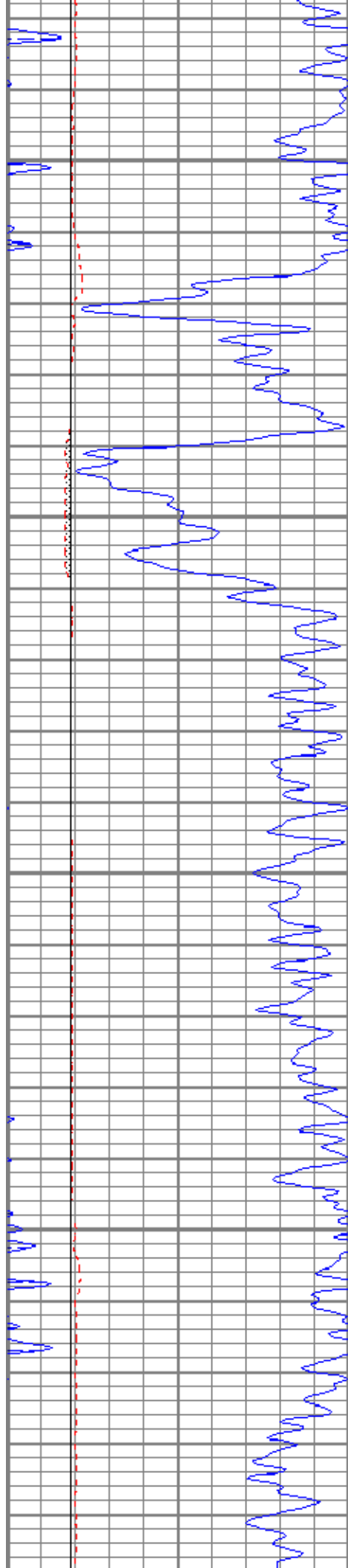
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1950

2000

2050



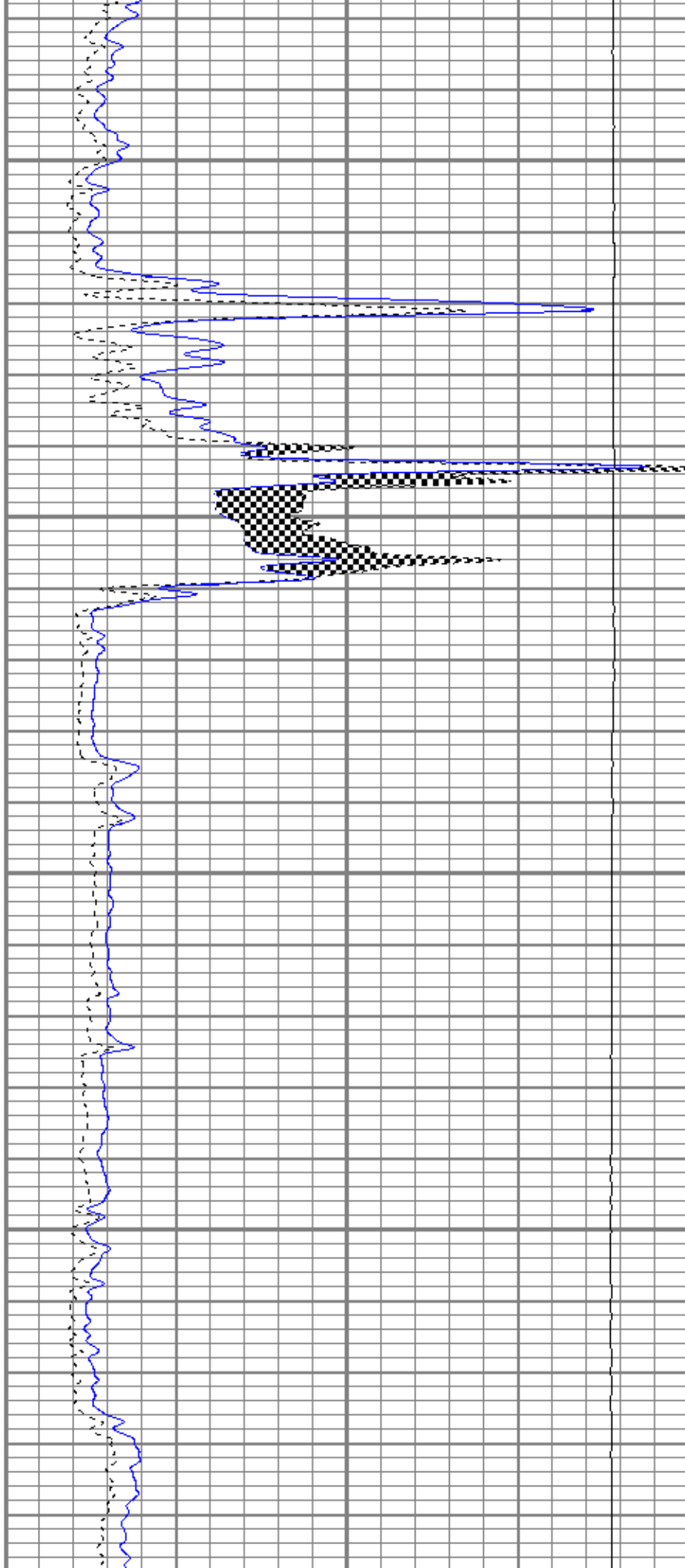


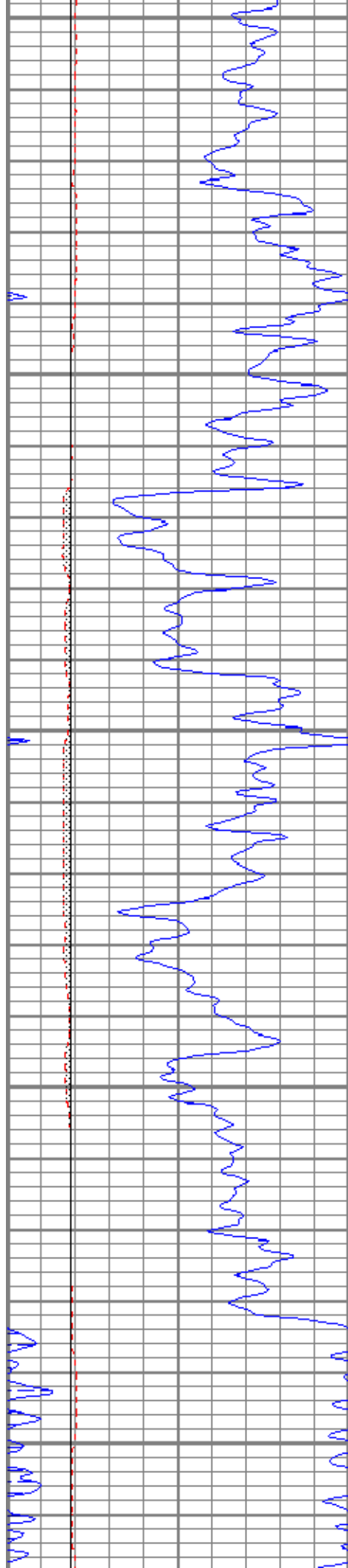
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2150

2200

2250





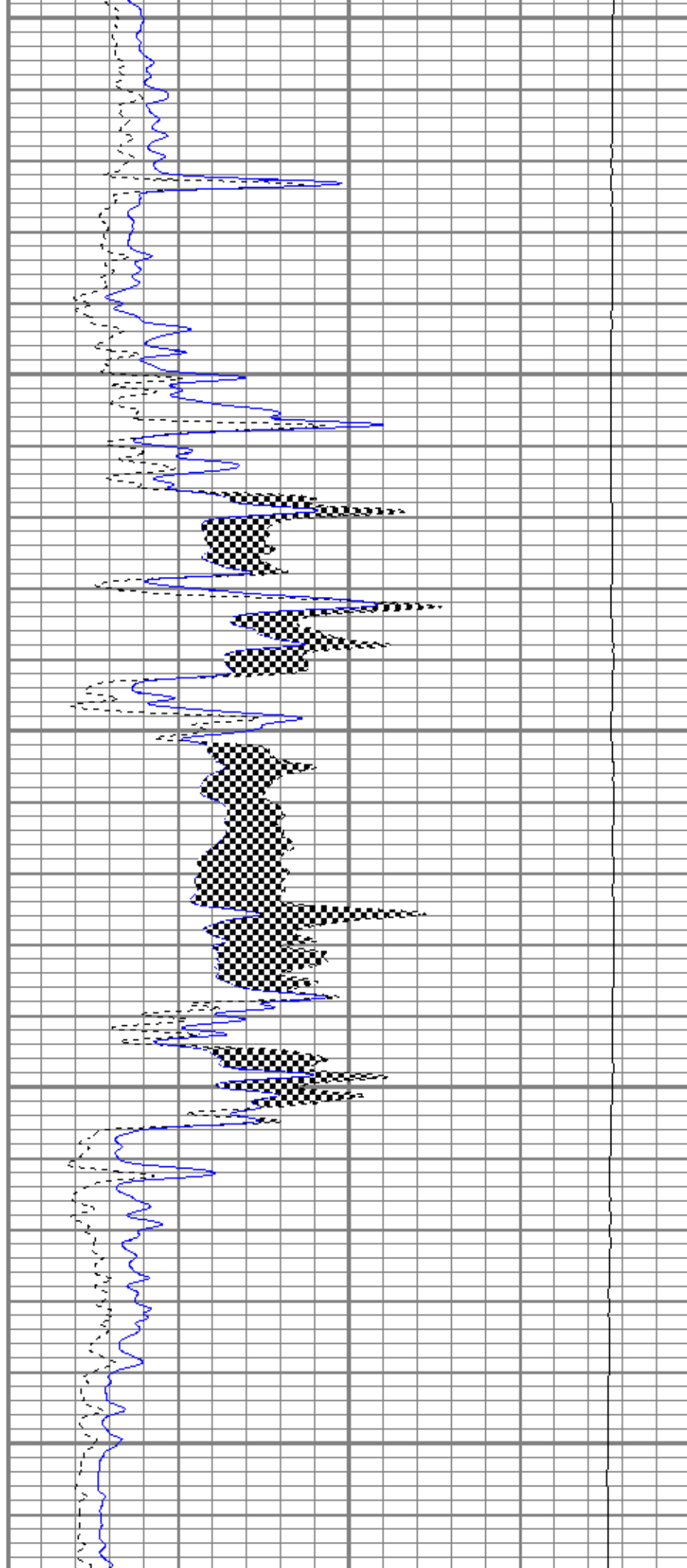
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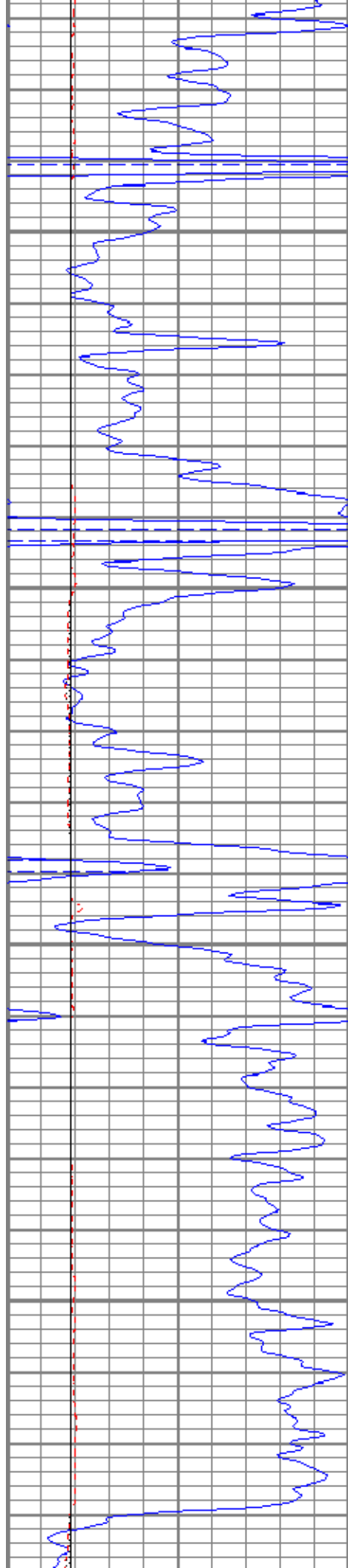
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2400

2450

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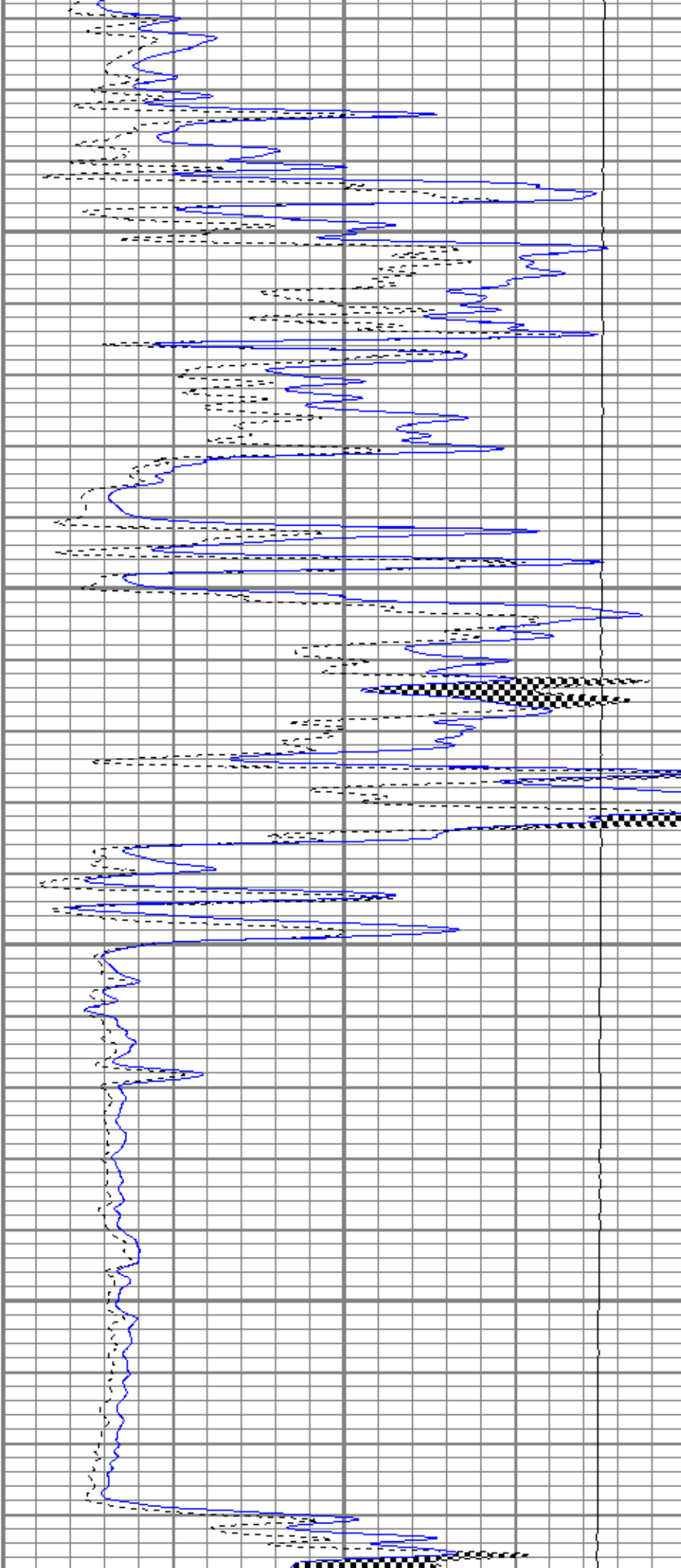


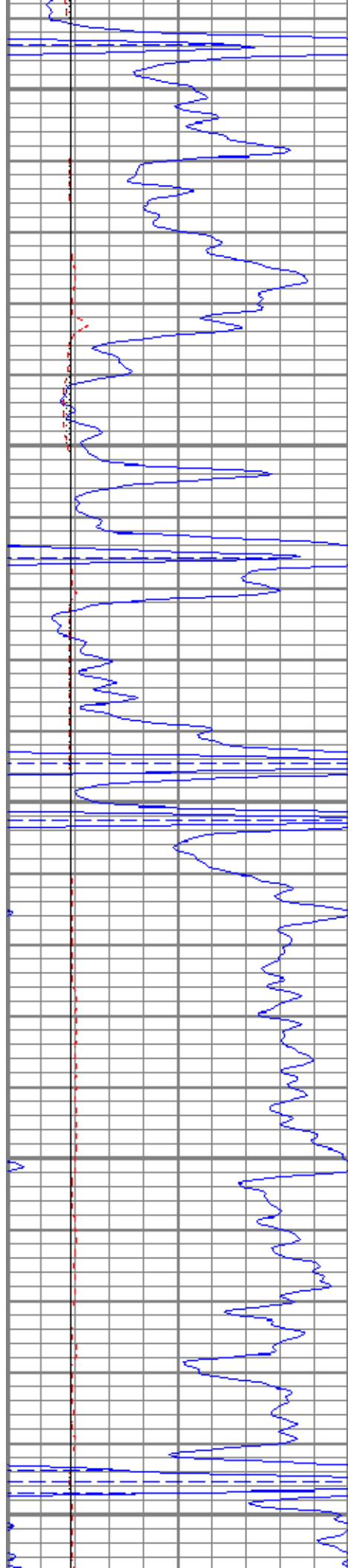
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2600

2650

2700





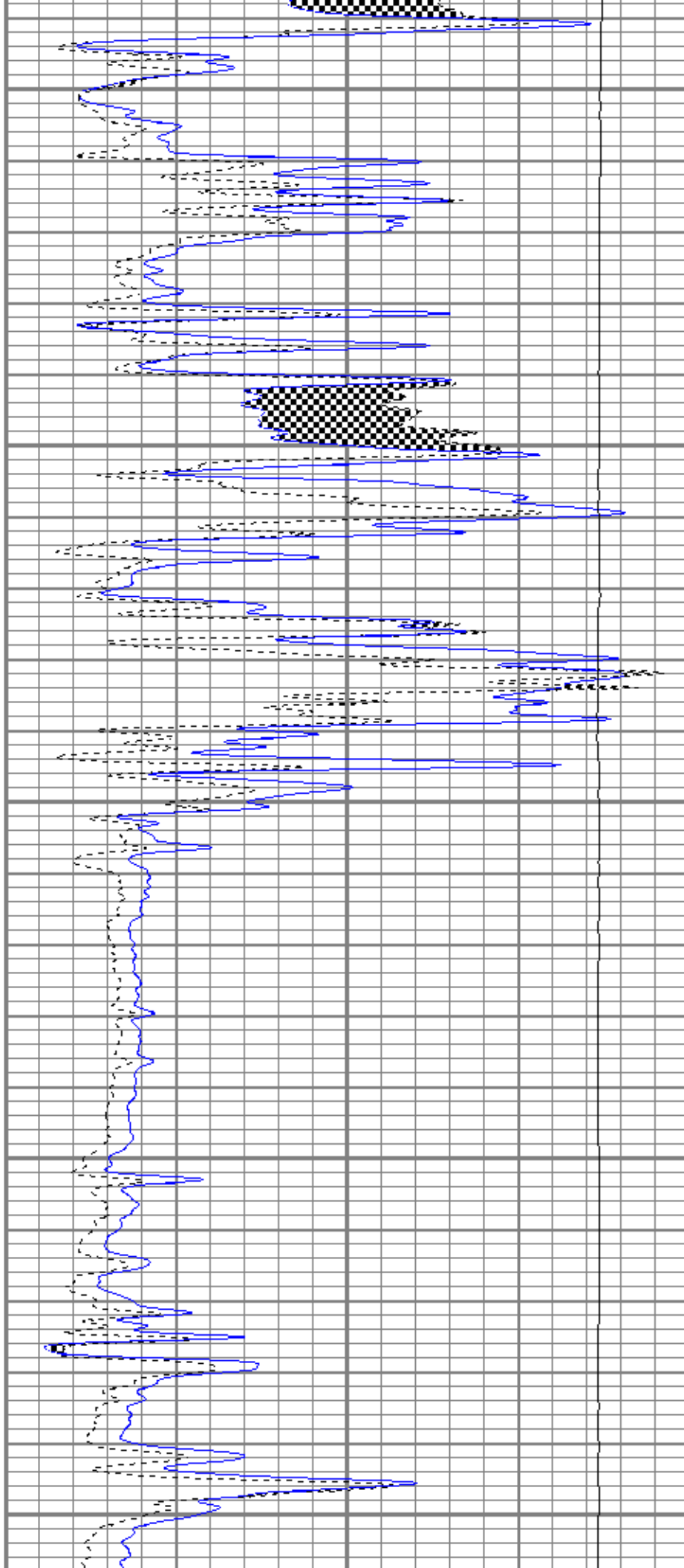
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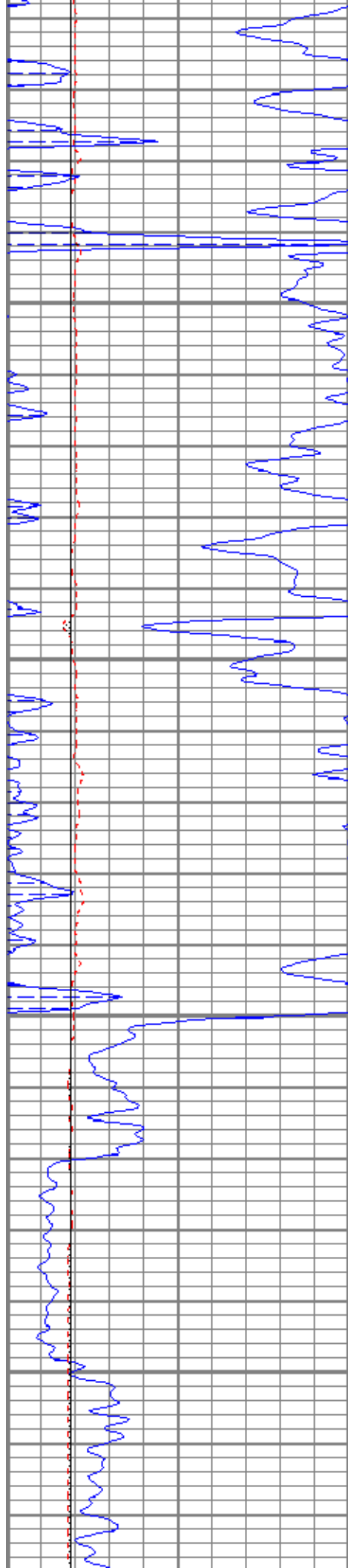
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2850

2900

2950



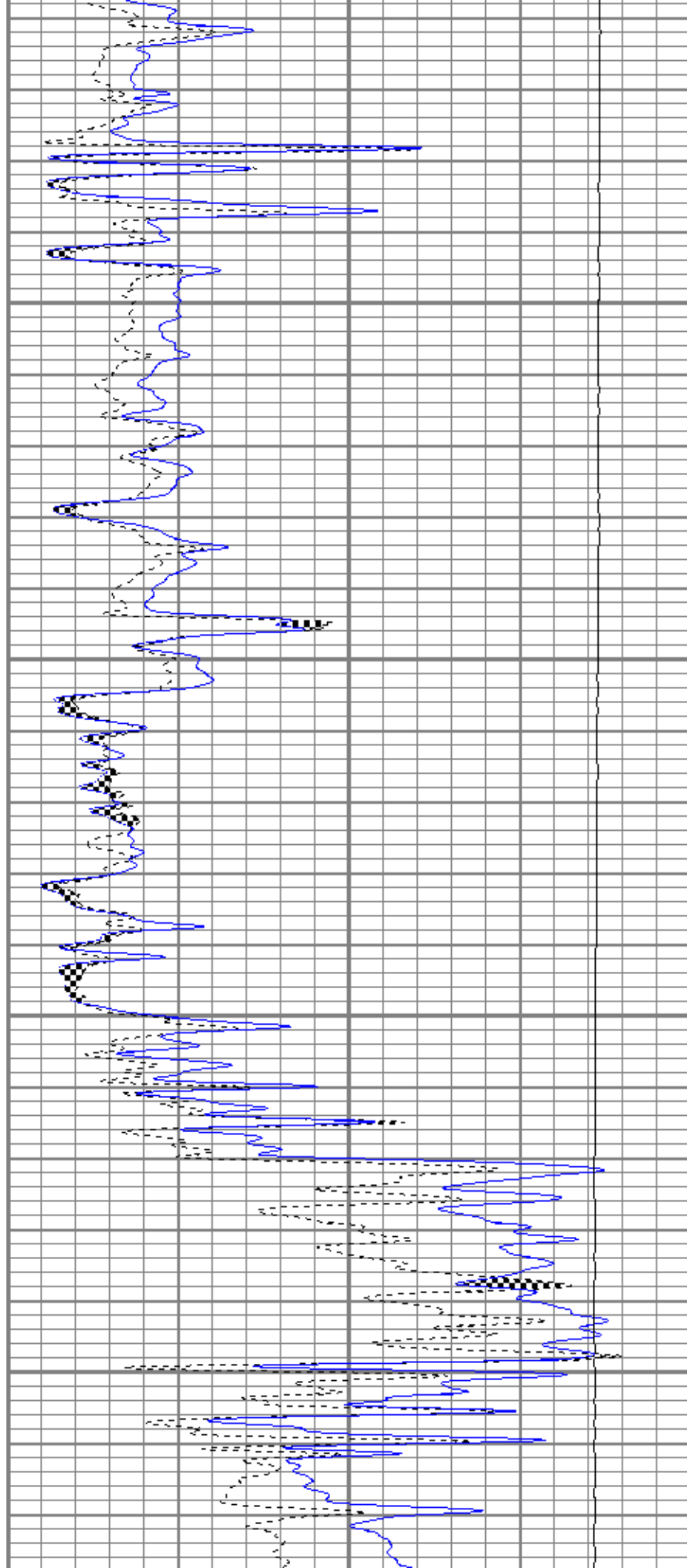


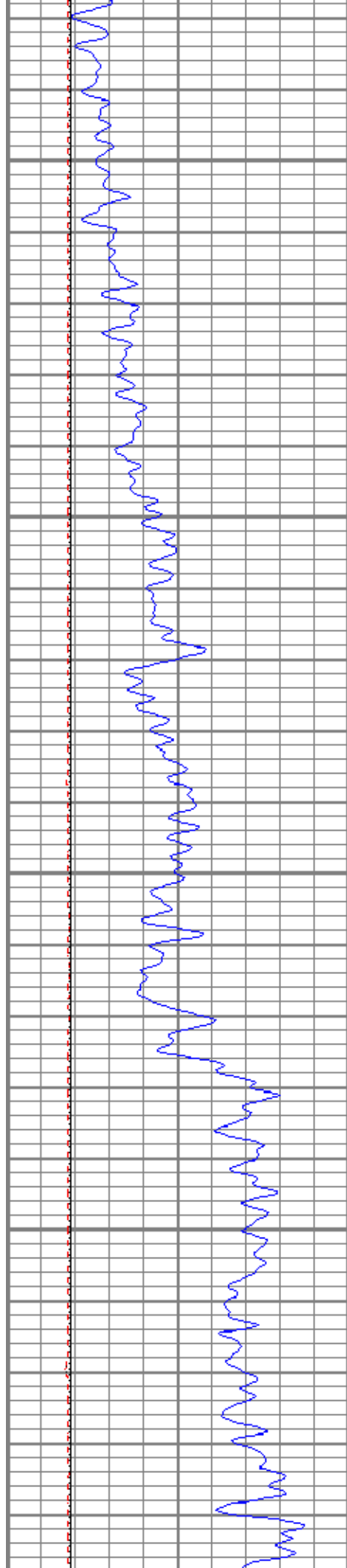
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3050

3100

3150



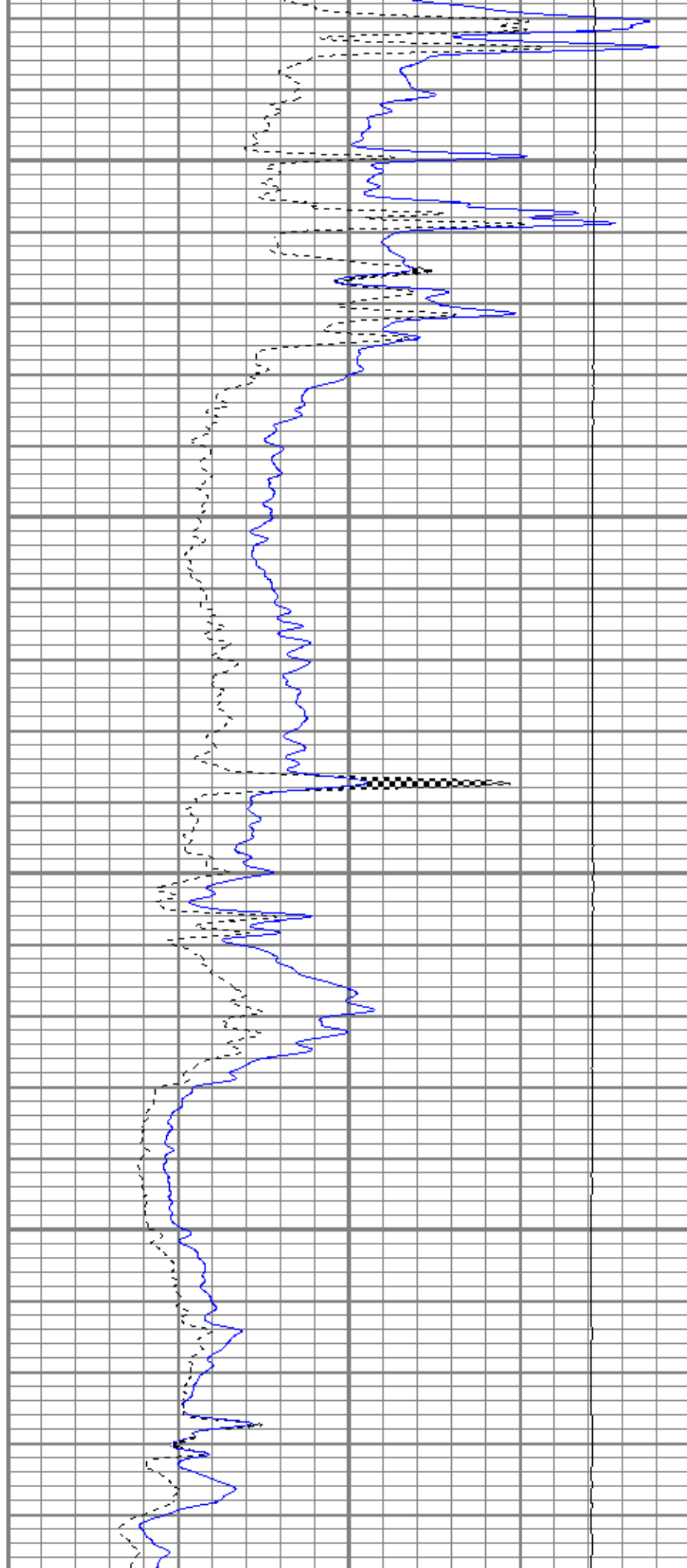


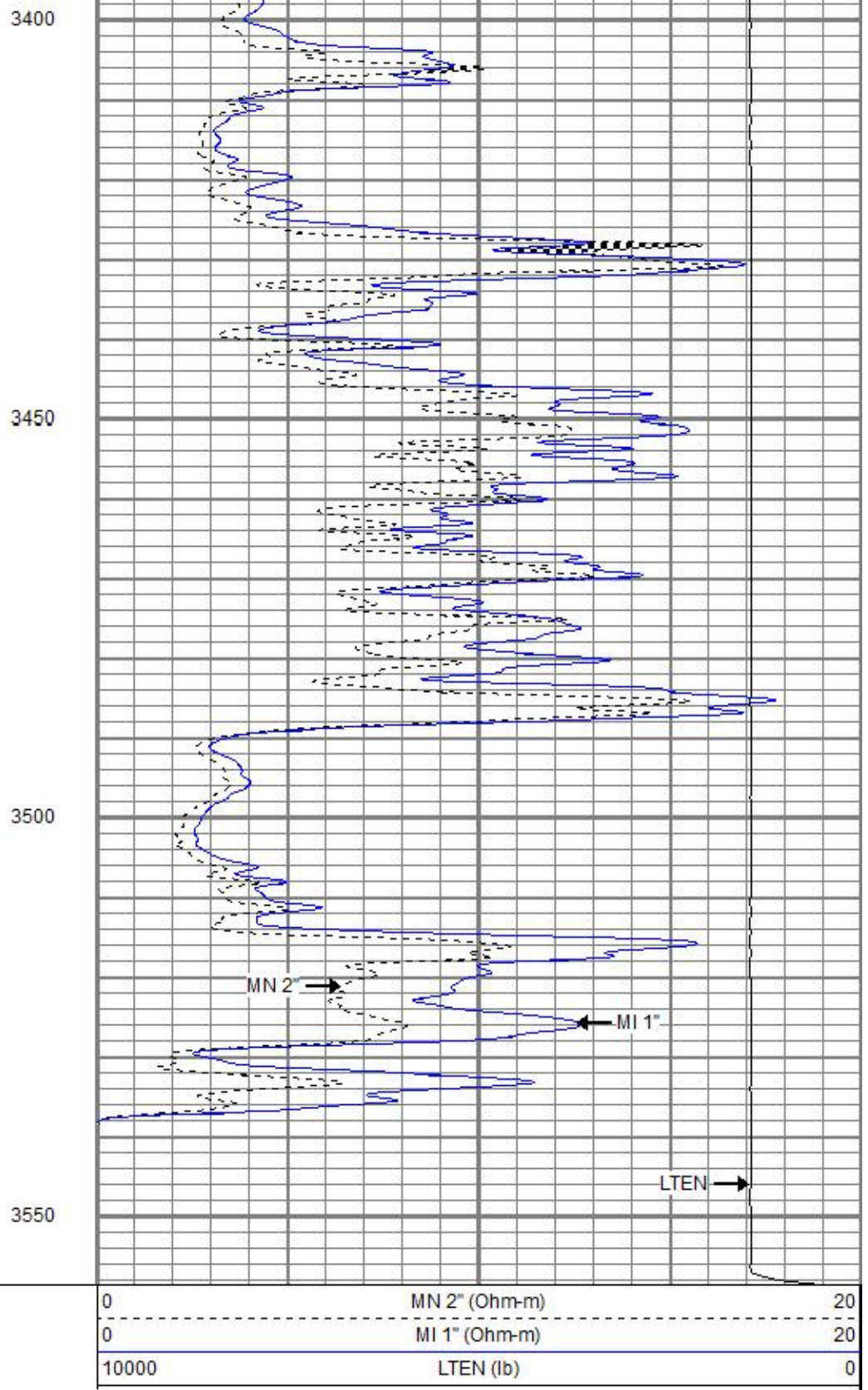
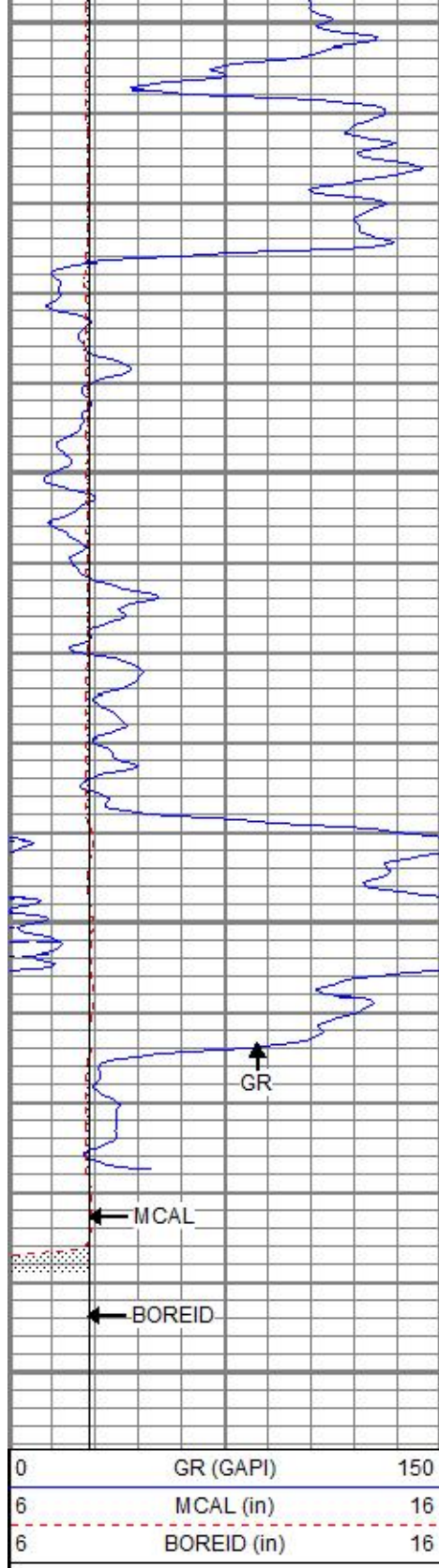
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3250

3300

3350

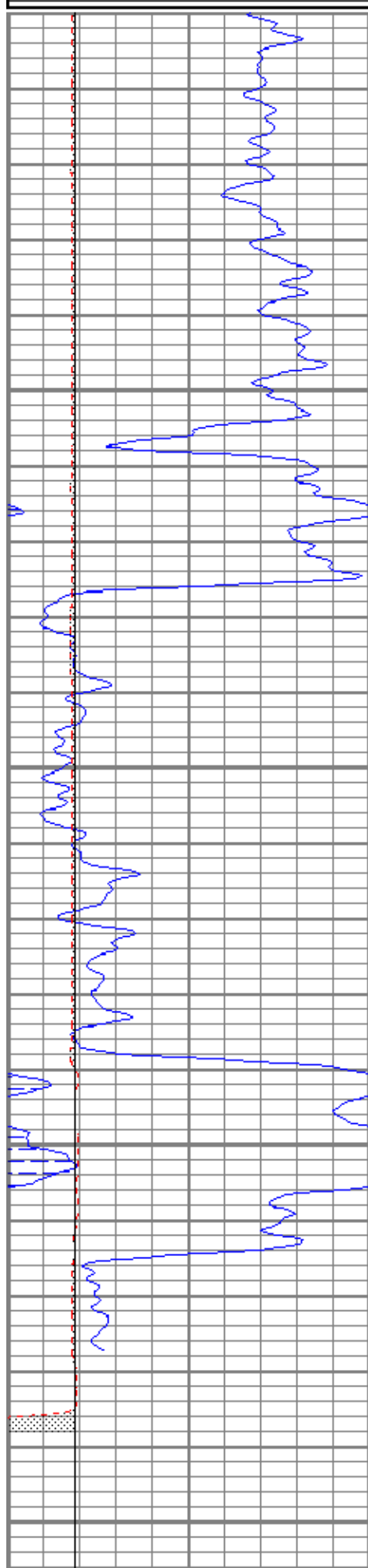




REPEAT SECTION

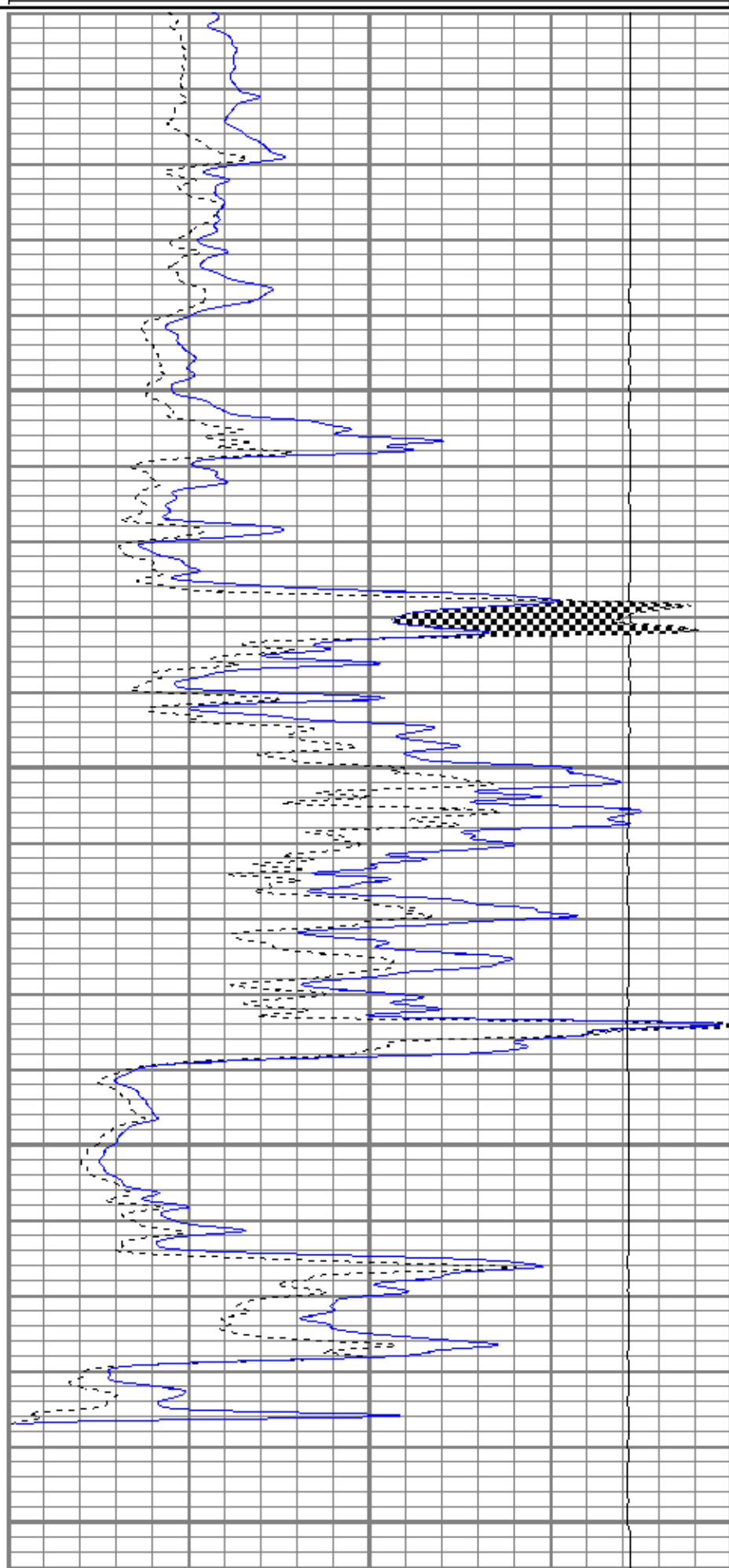
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 Presentation Format: kml
 Dataset Creation: Tue Oct 17 14:03:03 2017
 Charted by: Depth in Feet scaled 1:240

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



3300
3400
3450
3500
3550

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



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

Calibration Report

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Database File      trlfj4oh.db
Dataset Pathname  pass4
Dataset Creation   Tue Oct 17 14:13:18 2017
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Microlog Calibration Report

Serial-Model: 1600-Pengo
Performed: Tue Oct 17 14:01:39 2017

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0036	0.5708	V	0.0000	10.0000	Ohm-m	17.4103	0.0625
Inverse	-0.0021	0.7420	V	0.0000	8.2000	Ohm-m	11.0207	0.0229
Caliper	1.0301	2.2816	V	6.4000	10.0000	in	2.8767	3.4367

Gamma Ray Calibration Report

Serial Number: 2001
Tool Model: OH
Performed: Thu Aug 03 06:10:54 2017

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity: 0.8000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	28.34		CHD-None	0.75	1.50	5.00
			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					
WVF3	13.25					
WVF2	10.25					
WVF1	9.25		SLT-G (372) Sonic	15.71	3.50	250.00
			CENT-OHlong Open Hole long Centralizer	4.50	3.50	50.00

Dataset: trlfj4oh.db: field/well/run1/pass4
Total length: 31.49 ft
Total weight: 445.00 lb
O.D.: 3.50 in