

DUAL INDUCTION LOG

Company SHELBY RESOURCES, LLC.
 Well KERR MINERALS #1-17
 Field STELZER SOUTHEAST
 County PRATT State KANSAS

Location: API #: 15-151-22580-0000
 1639' FSL & 2156' FEL
 SE - SW - NW - SE
 SEC 17 TWP 29S RGE 14W
 Permanent Datum GROUND LEVEL Elevation 2010
 Log Measured From KELLY BUSHING 12' A.G.L.
 Drilling Measured From KELLY BUSHING
 Other Services
 CDL/CNL/PE
 MEL/SONIC
 Elevation
 K.B. 2022
 D.F. 2020
 G.L. 2010

Date	11/19/23
Run Number	ONE
Depth Driller	4825
Depth Logger	4826
Bottom Logged Interval	4824
Top Log Interval	00
Casing Driller	8.625@907
Casing Logger	907
Bit Size	7.785
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/62
pH / Fluid Loss	10.0/8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.950@68F
Rmf @ Meas. Temp	.713@68F
Rmc @ Meas. Temp	1.14@68F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.525@123F
Time Circulation Stopped	2.5 HOURS
Time Logger on Bottom	11:30 A.M.
Maximum Recorded Temperature	123F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	JEREMY SCHWARTZ
	JEREMY PASEK

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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.

15-151-22580-0000 Comments

THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
 DIRECTIONS
 COATS, KS., 2 1/2 W., N. INTO

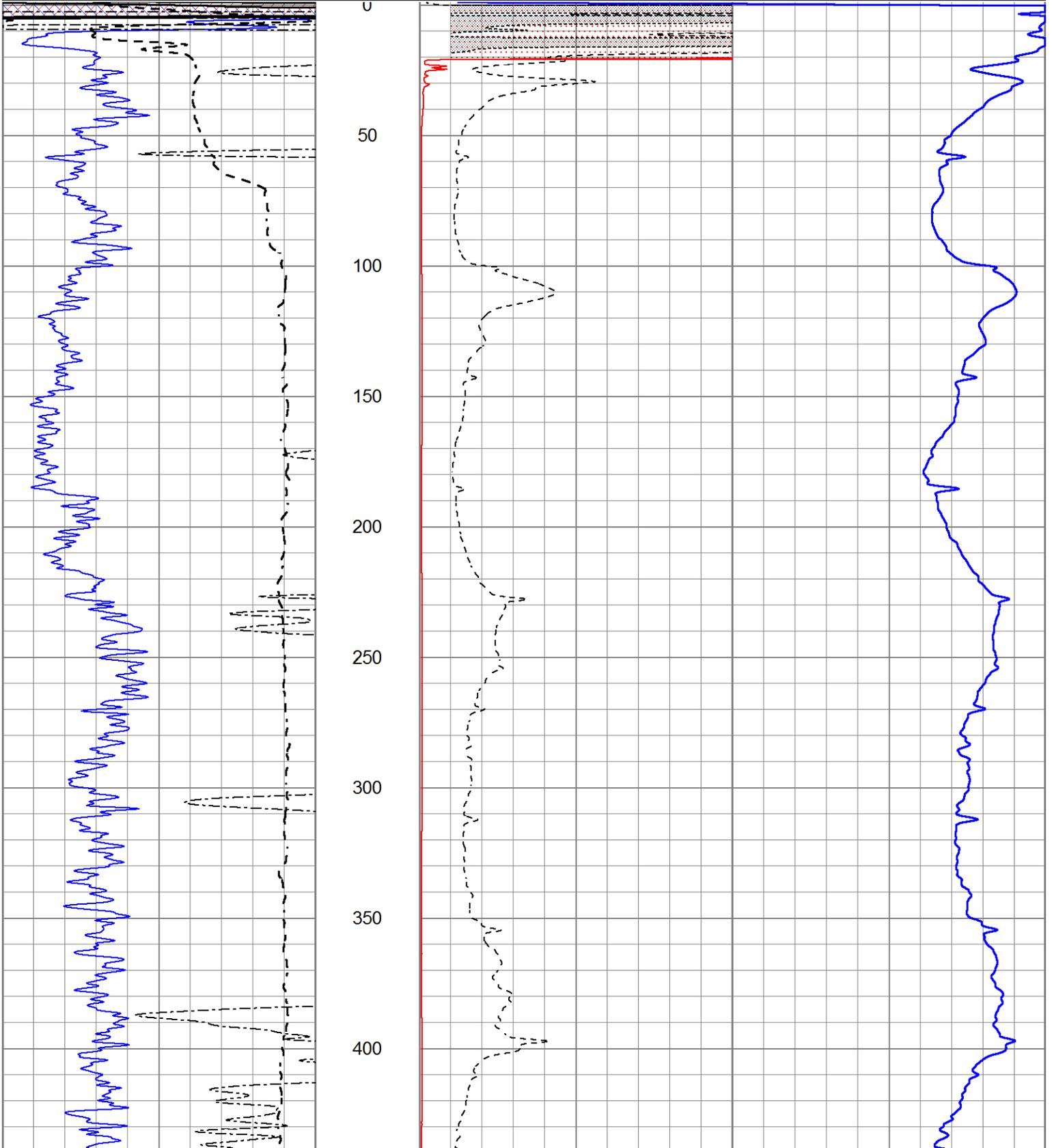


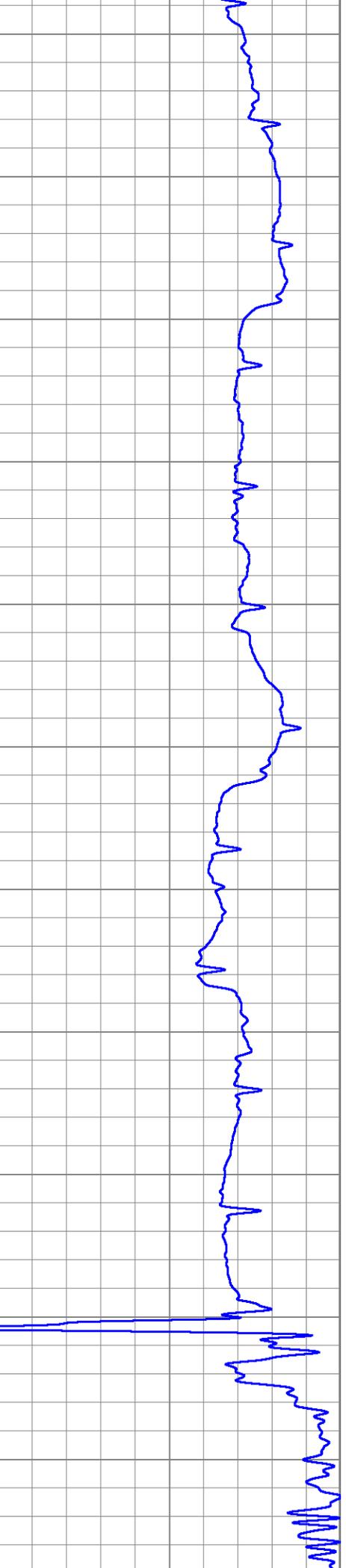
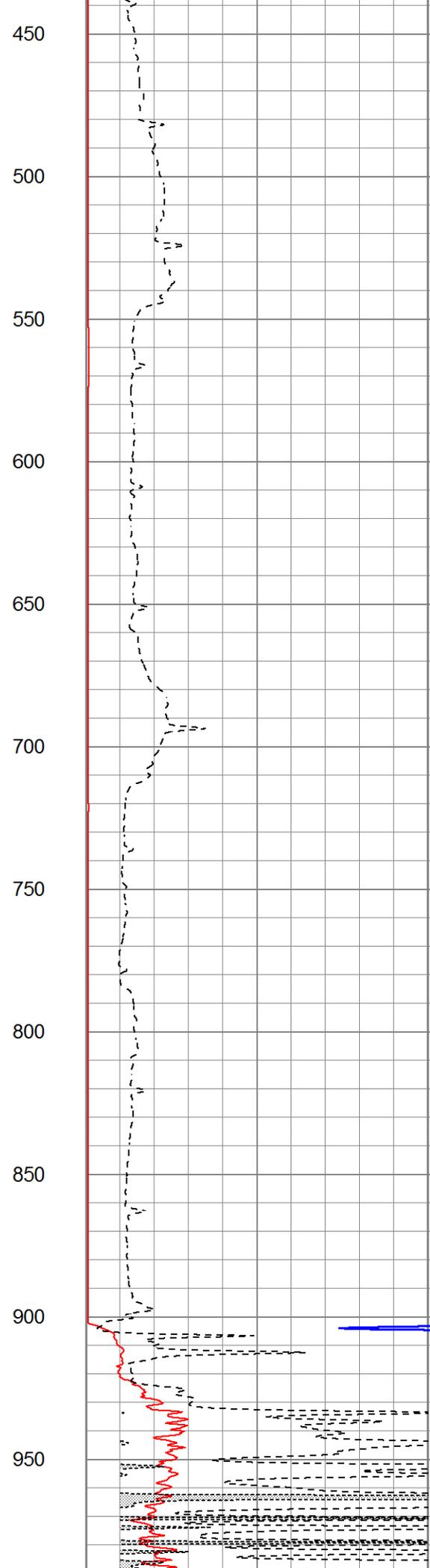
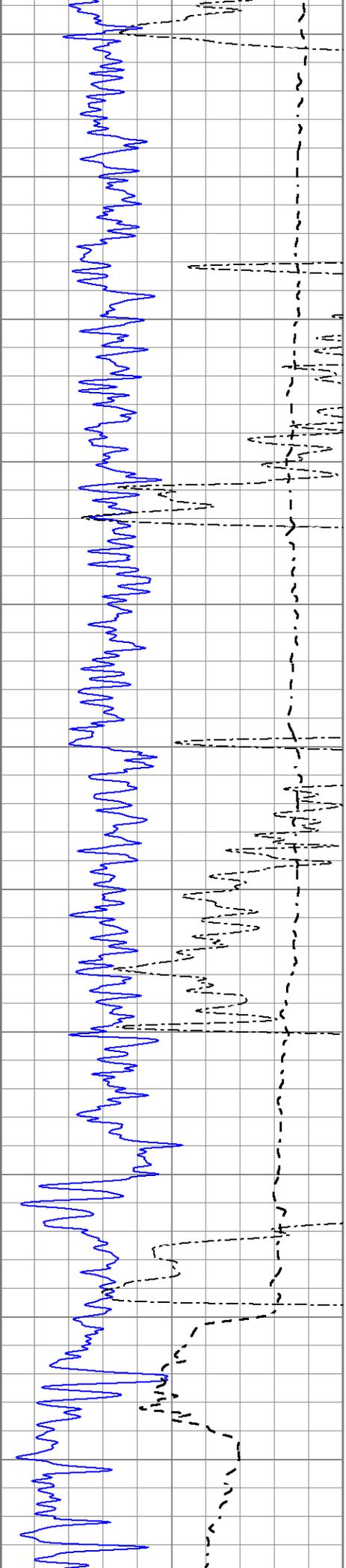
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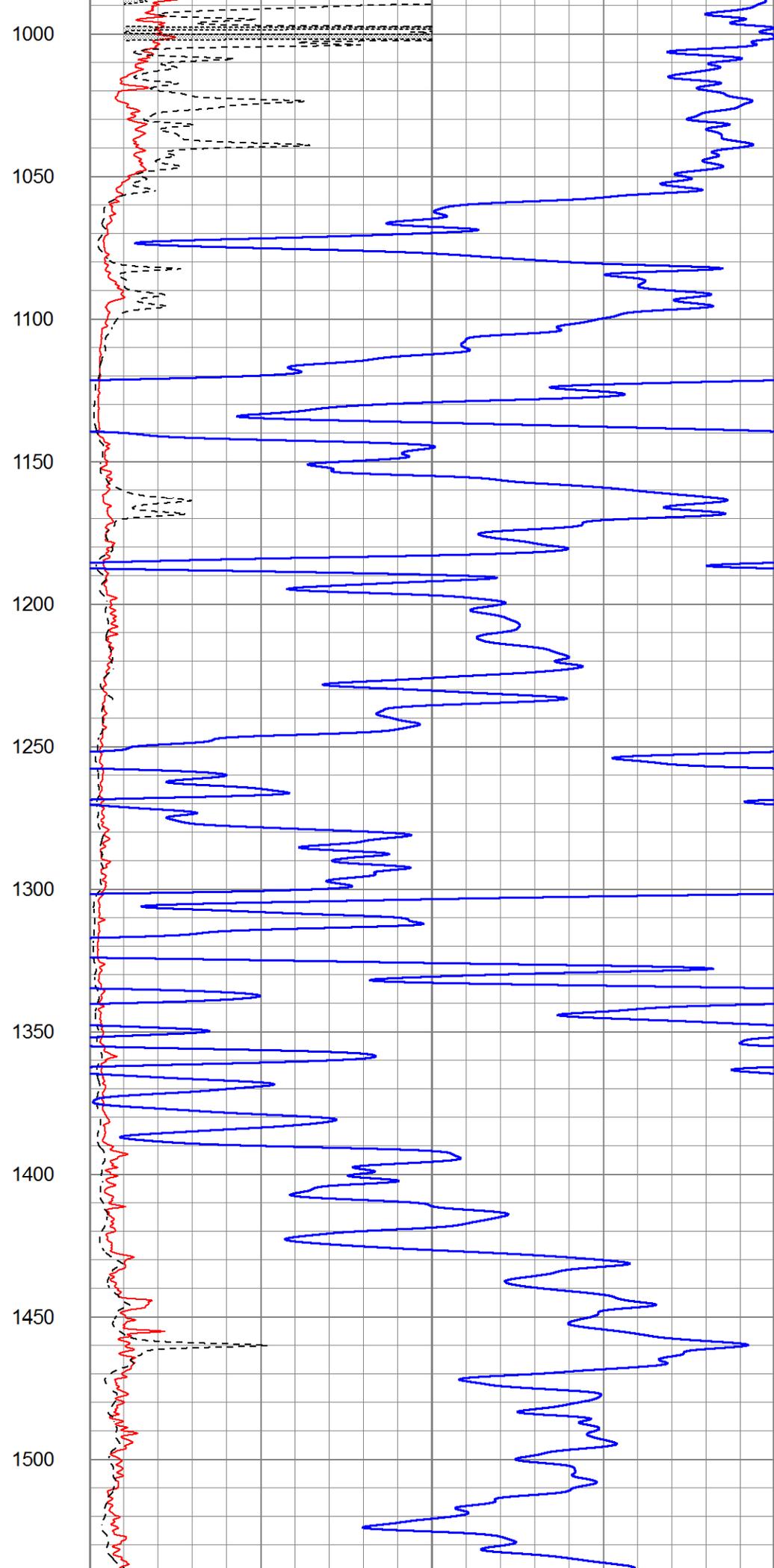
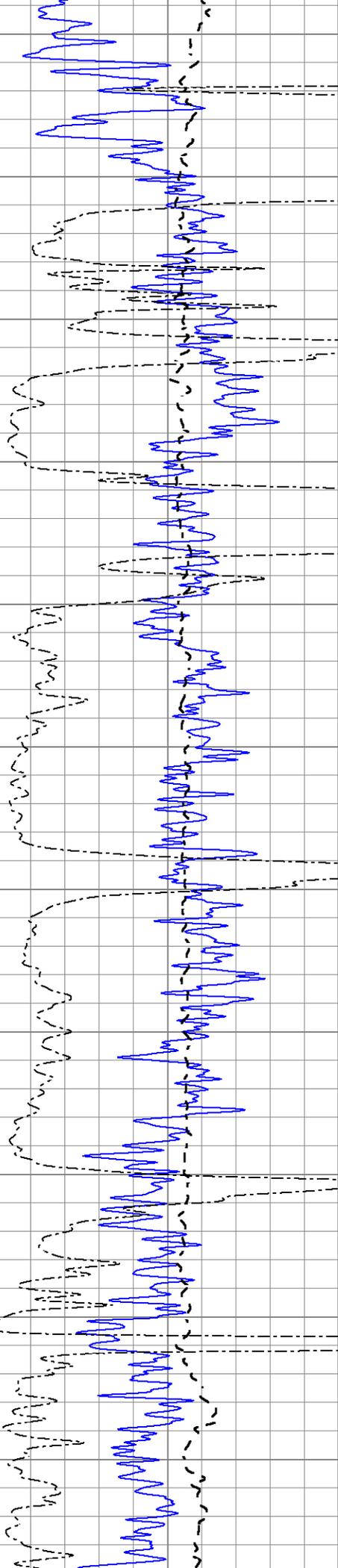
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 Presentation Format _dil2
 Dataset Creation Sun Nov 19 13:28:54 2023
 Charted by Depth in Feet scaled 1:600

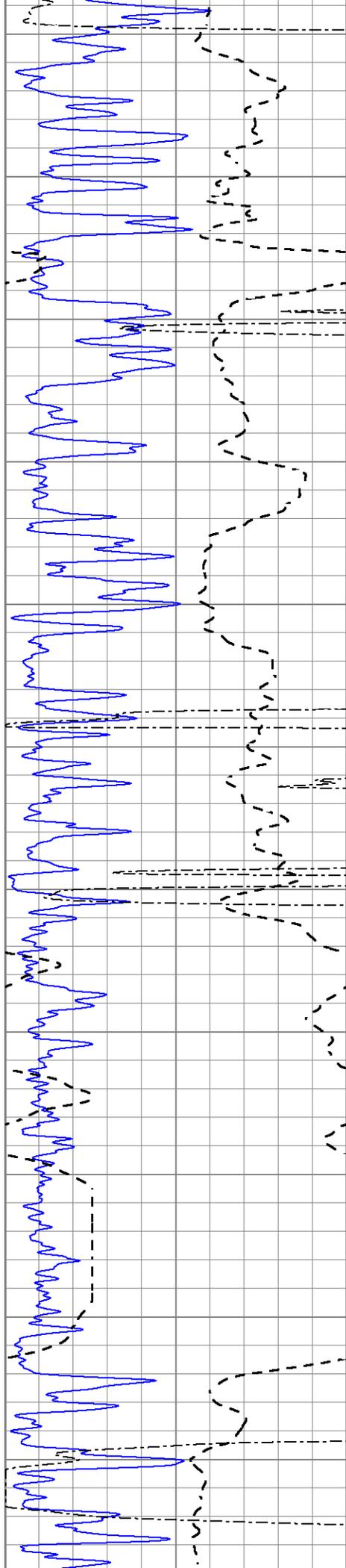
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-100	SP (mV)	100
0	RWA (Ohm-m)	1

1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500









1550

1600

1650

1700

1750

1800

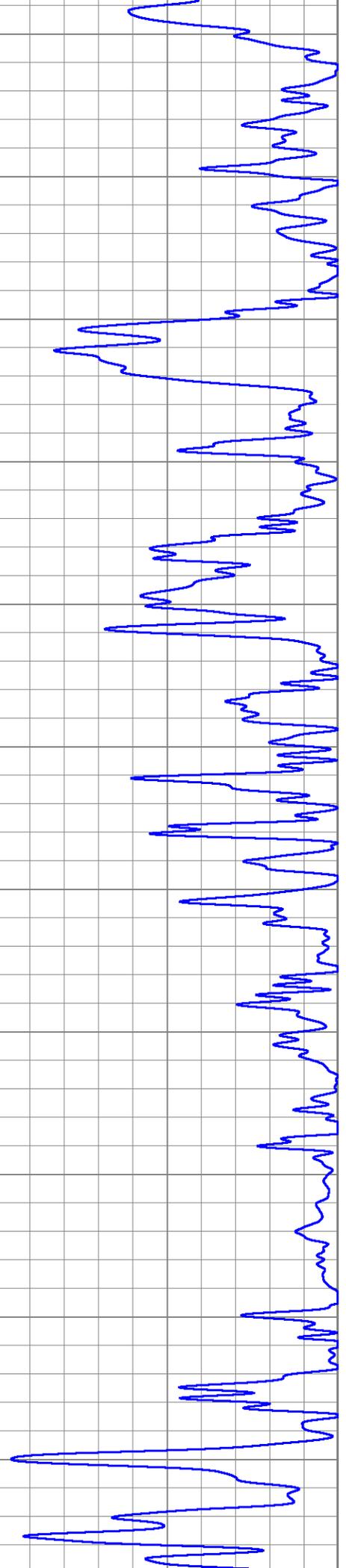
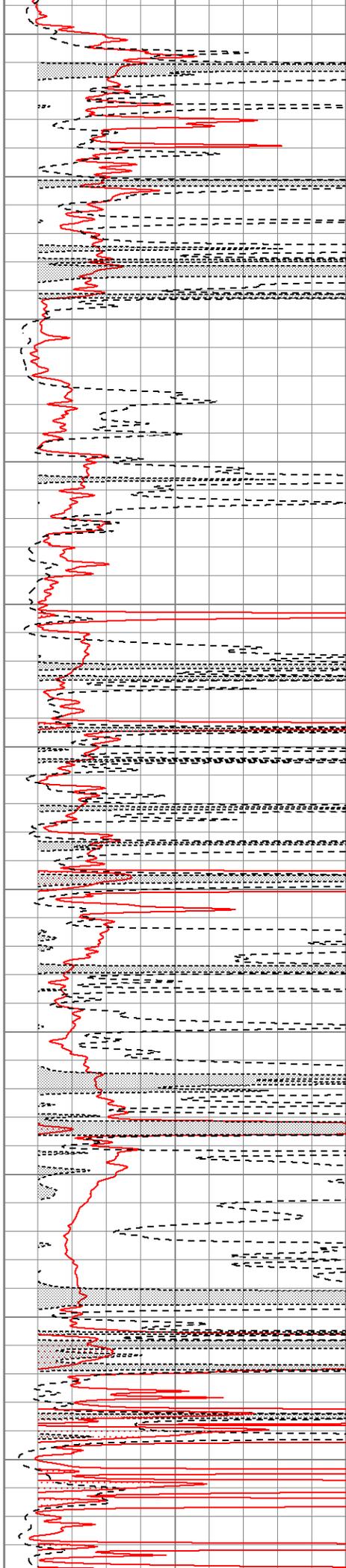
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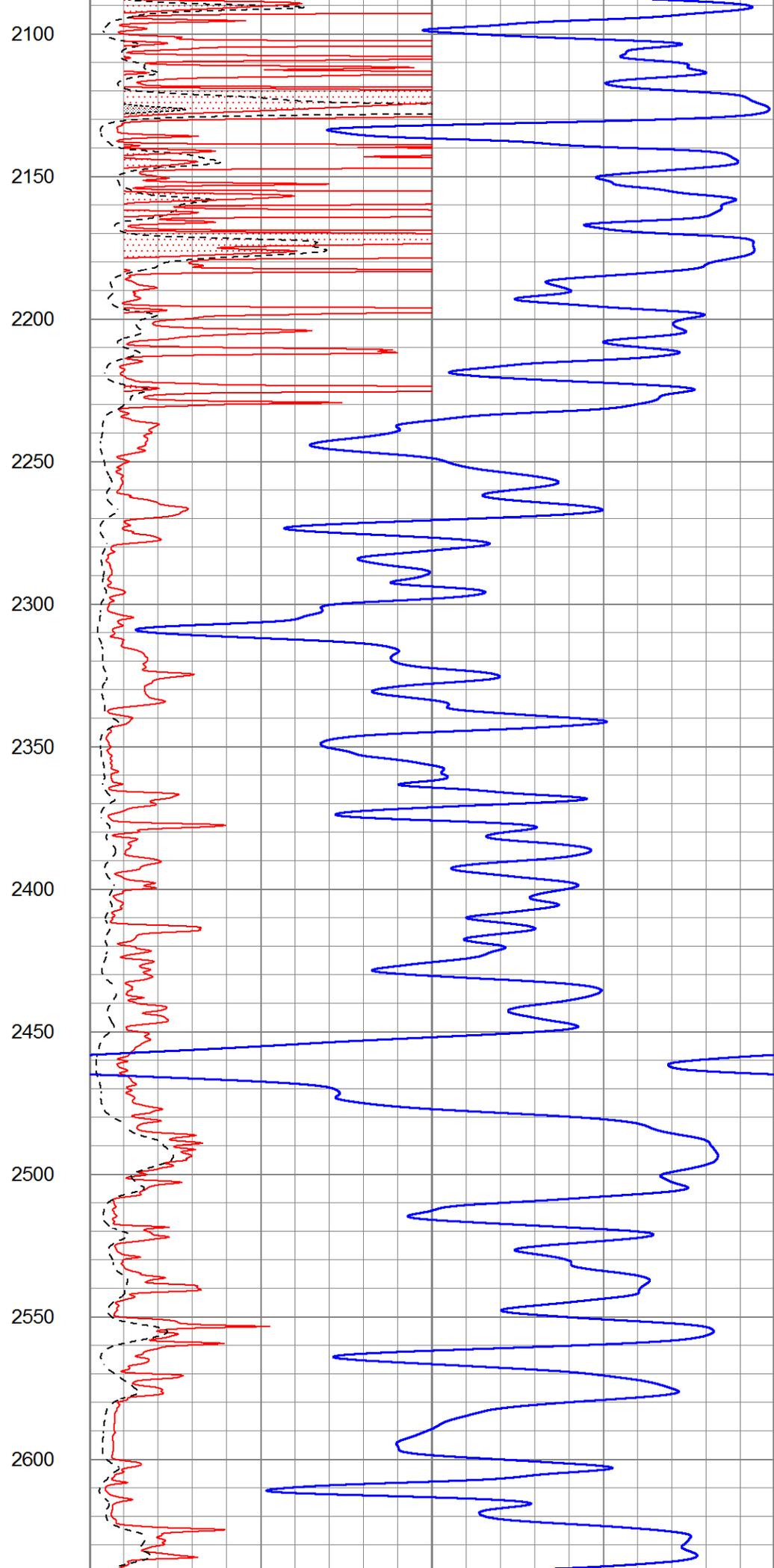
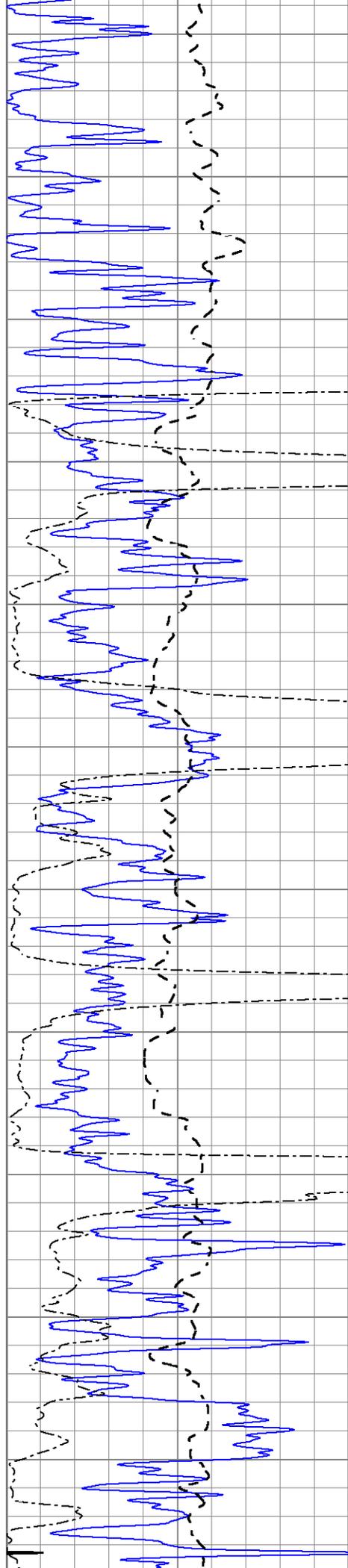
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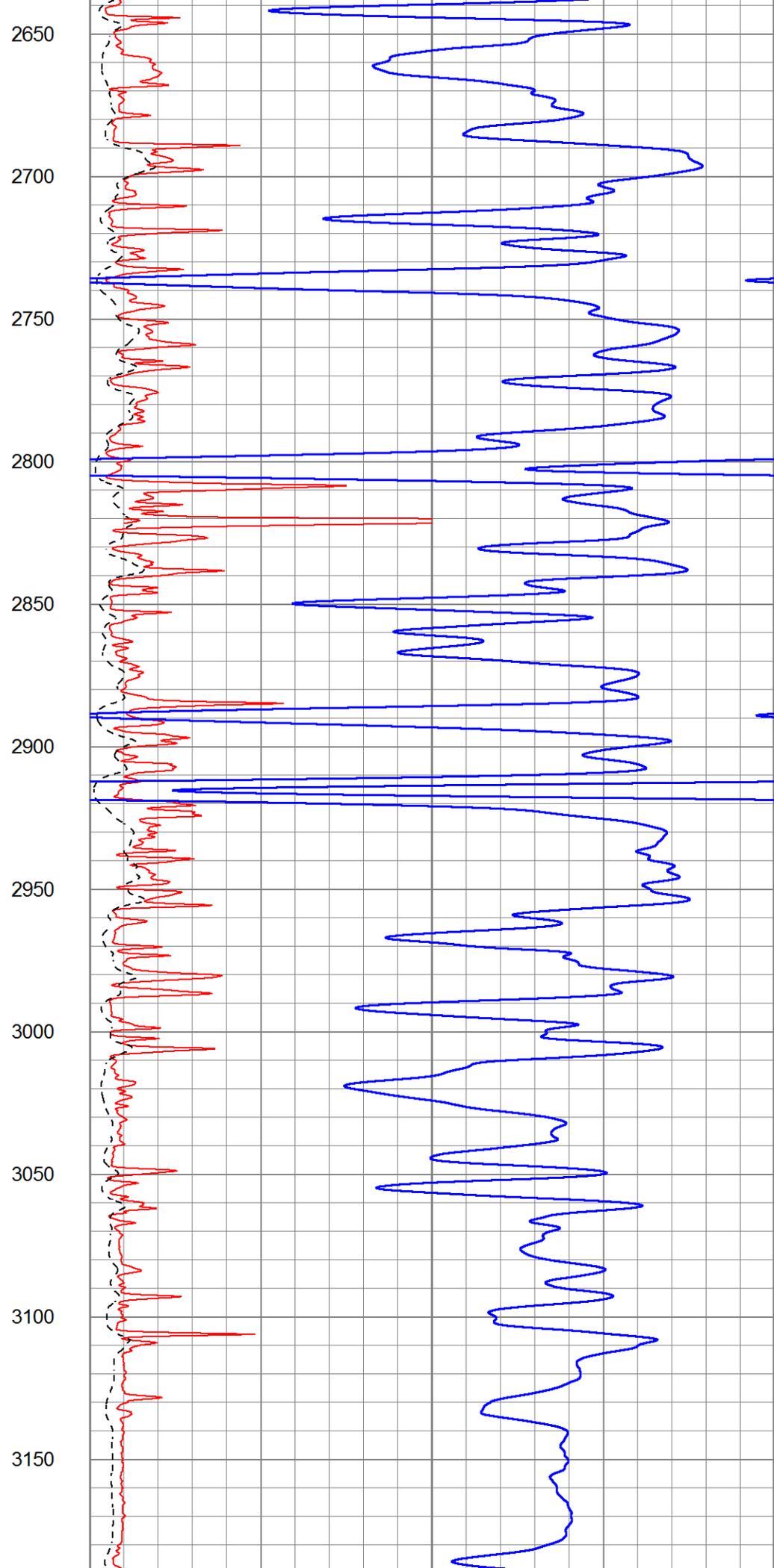
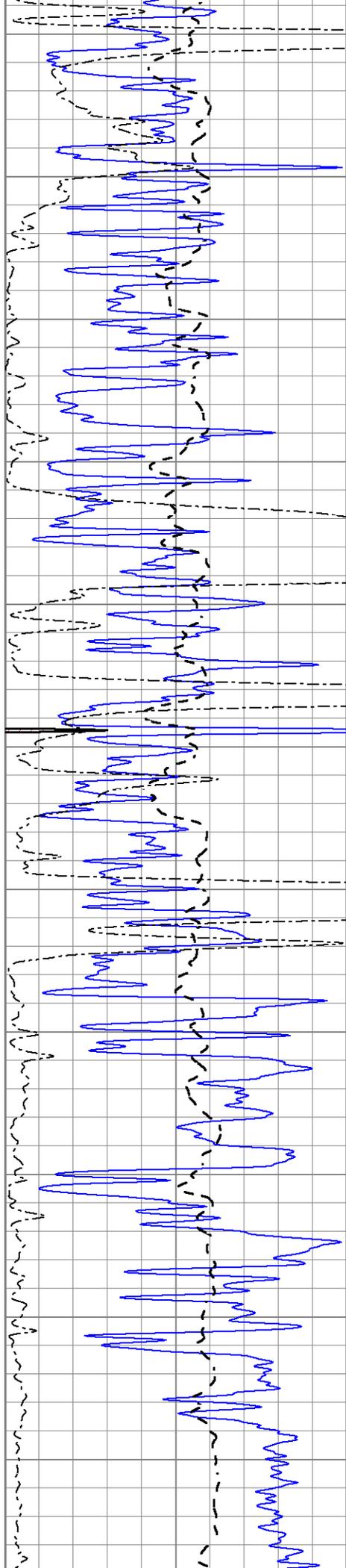
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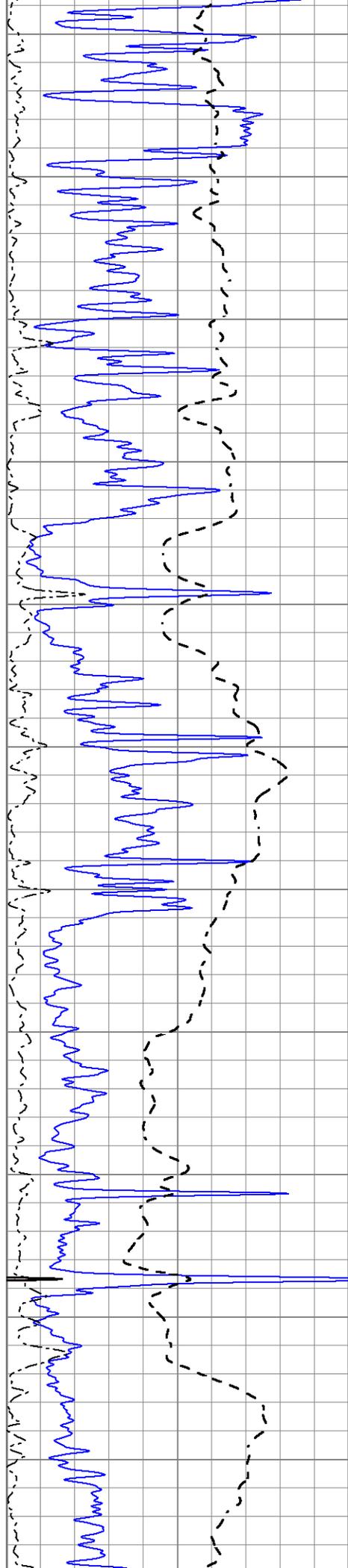
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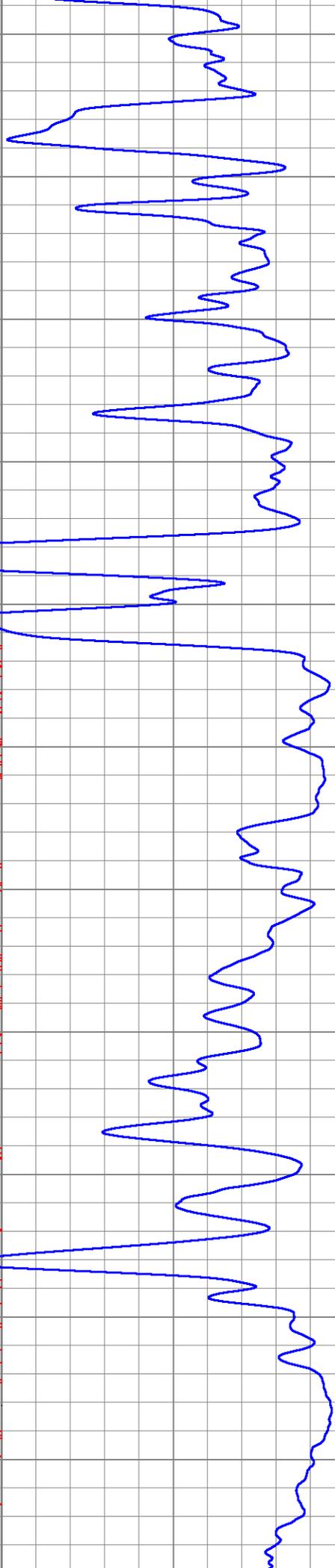
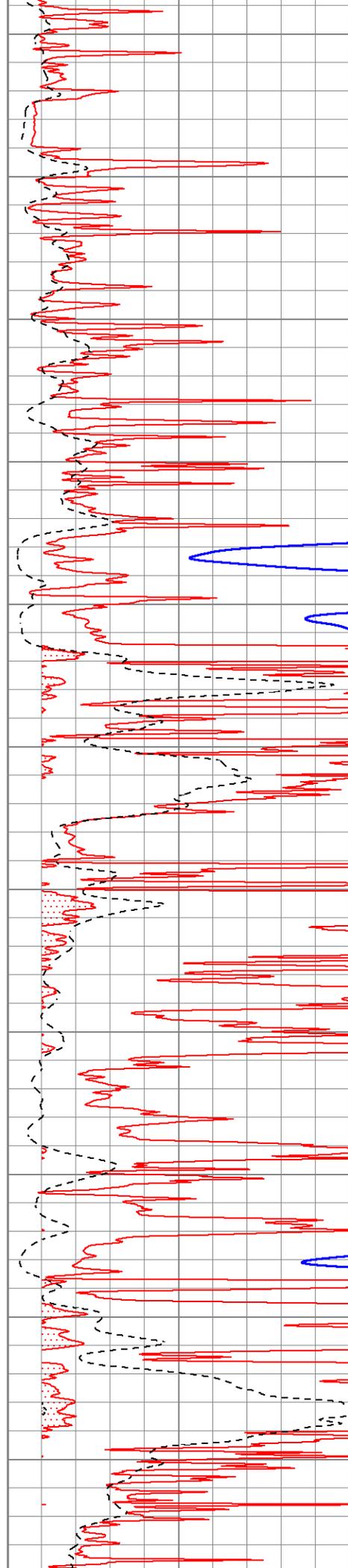


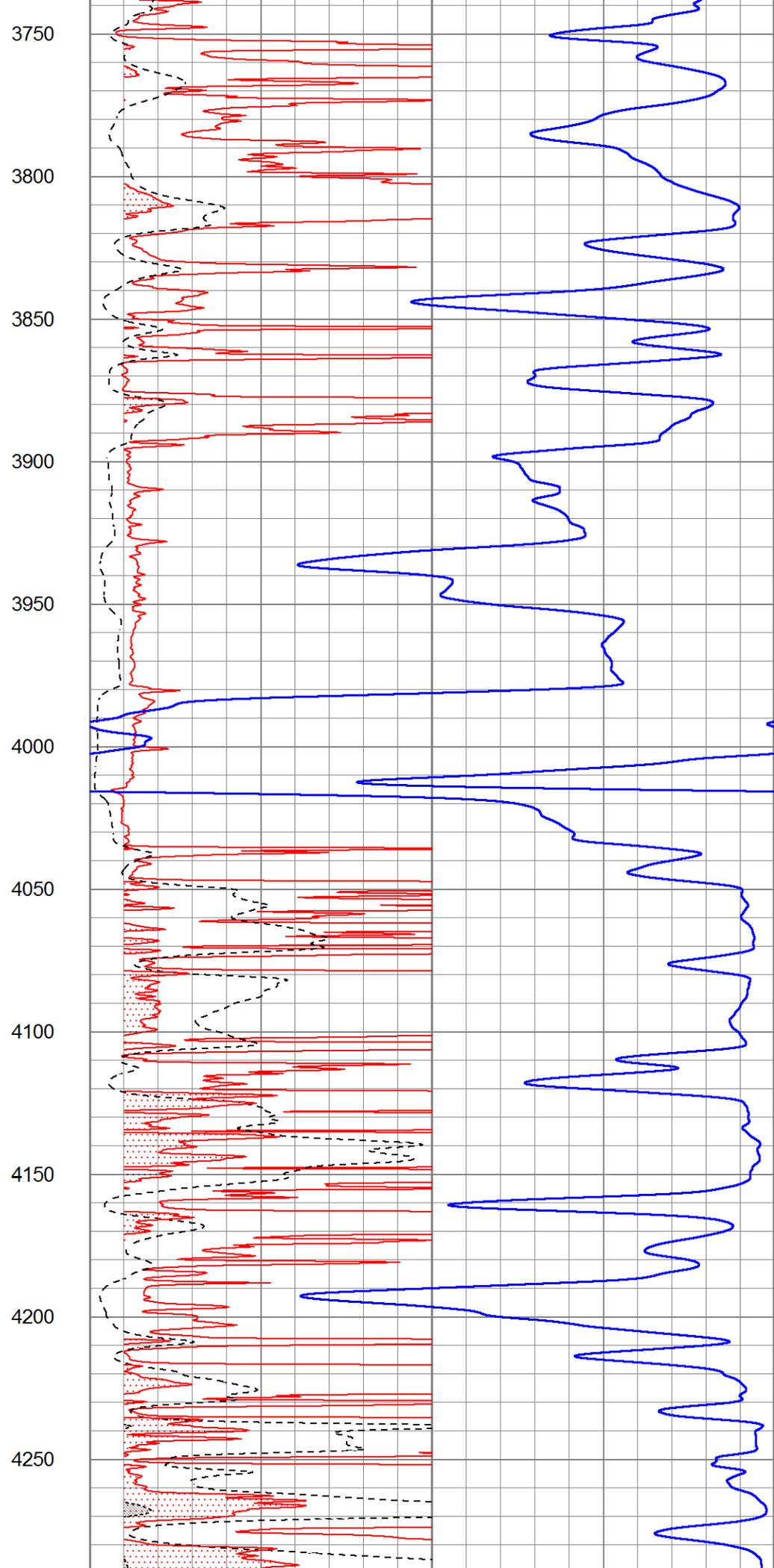
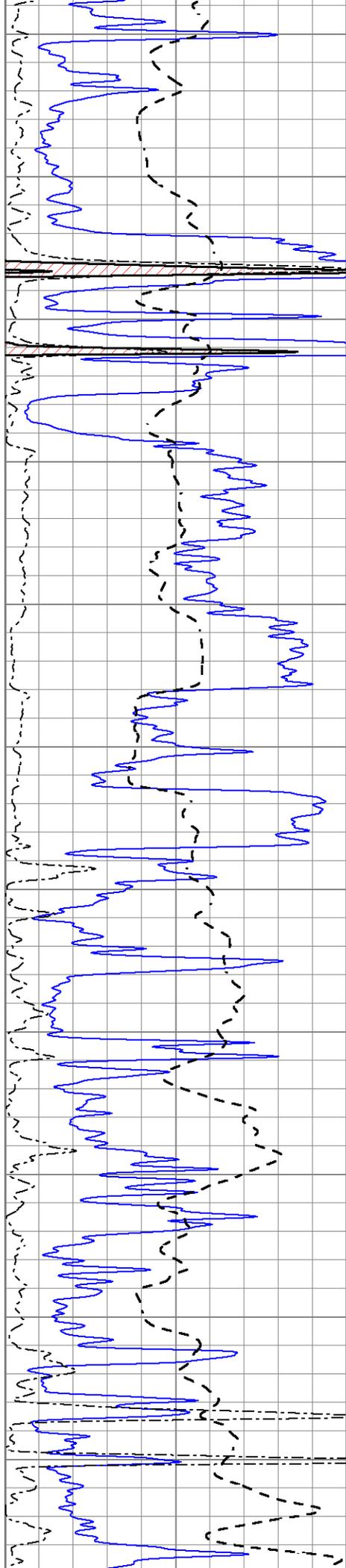


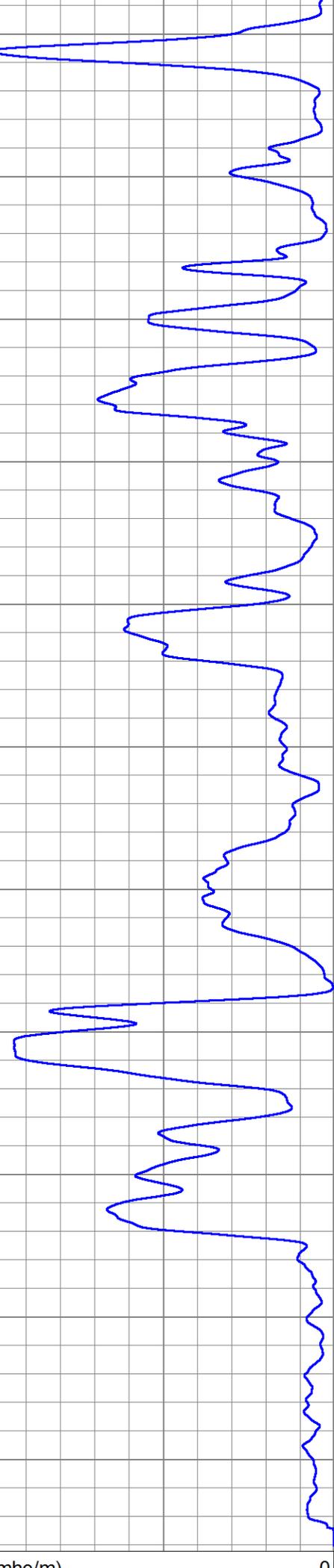
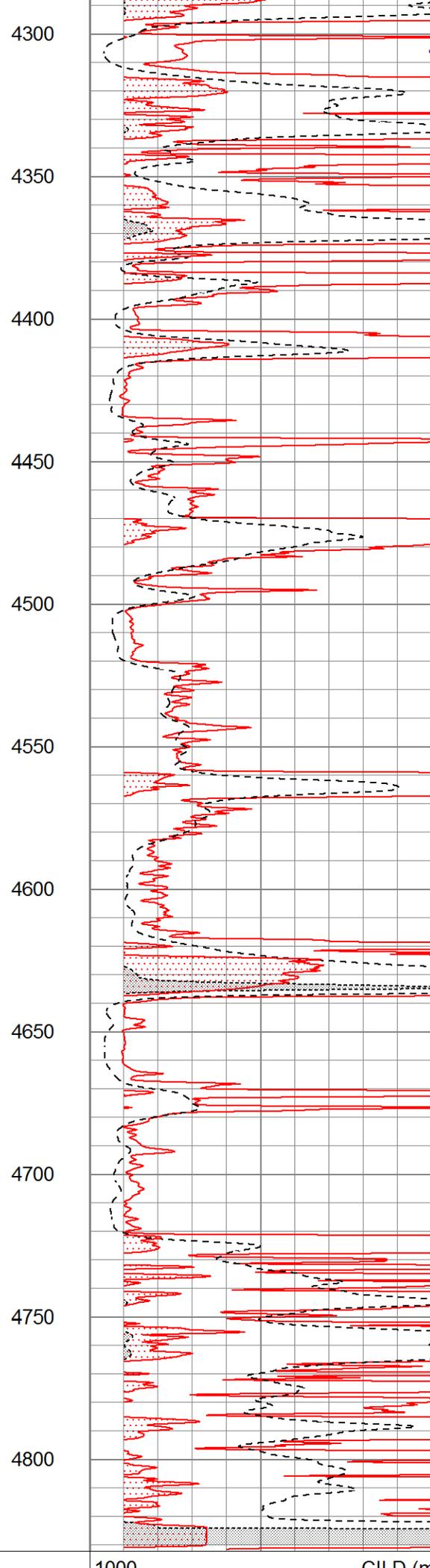
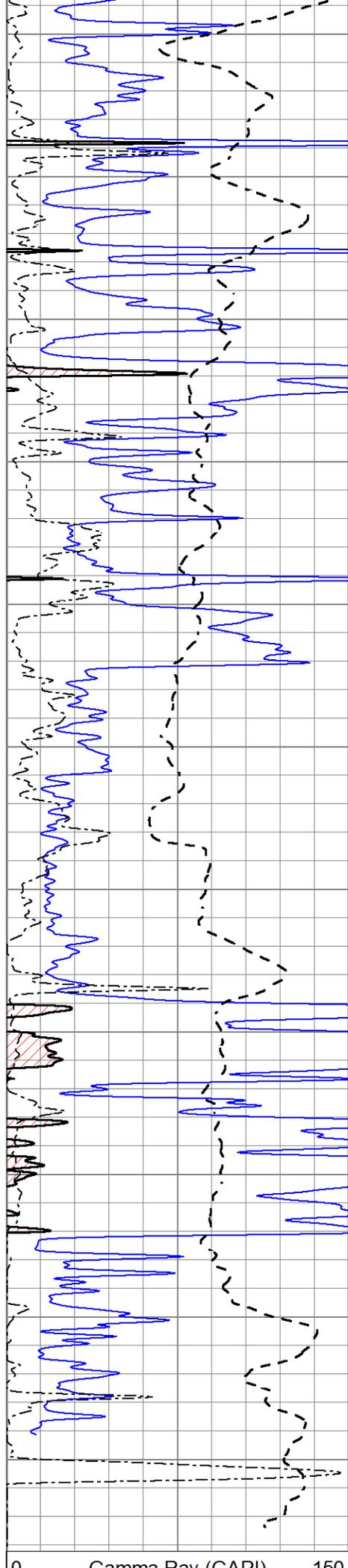




3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700







0	Gamma Ray (GAPI)	150
-100	SP (mV)	100
0	RWA (Ohm-m)	1

0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

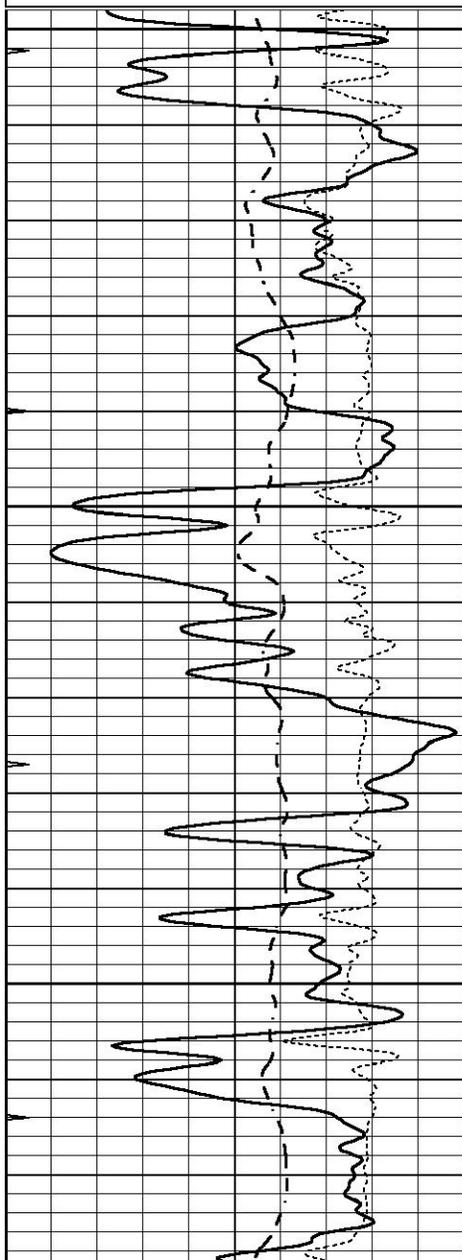


MAIN SECTION

Database File 8339pe.db
 Dataset Pathname pass3.1M
 Presentation Format _dil
 Dataset Creation Sun Nov 19 13:28:54 2023
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

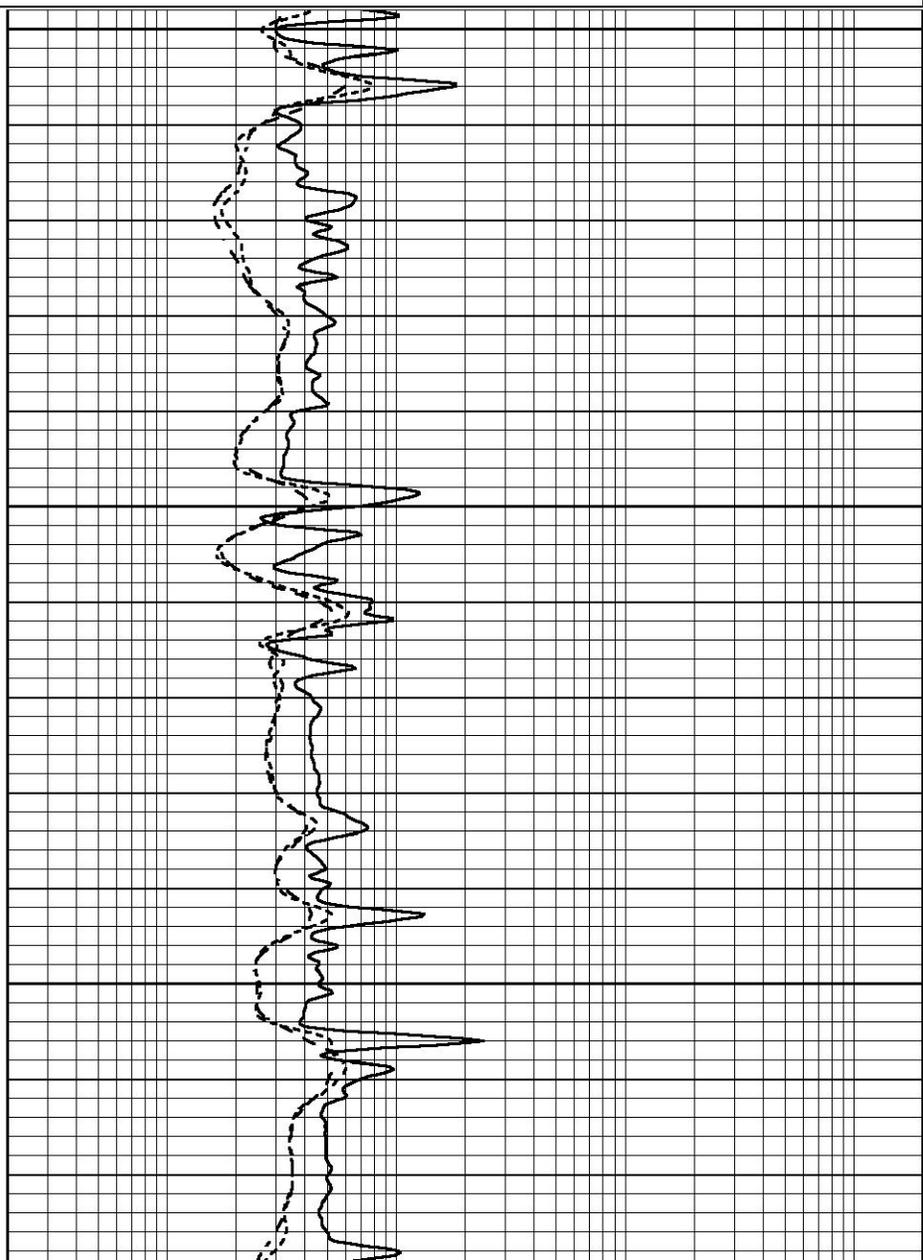
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

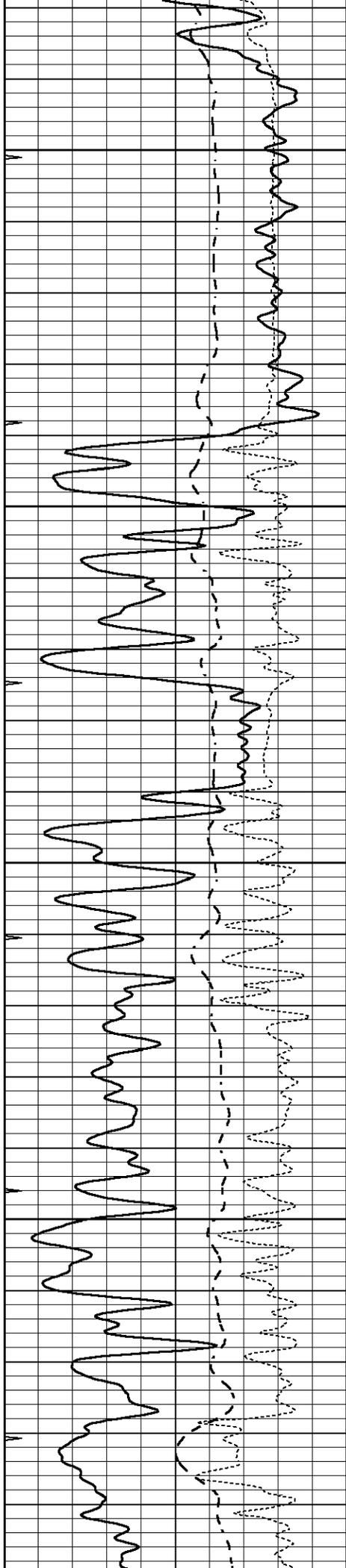


3000

3050

3100



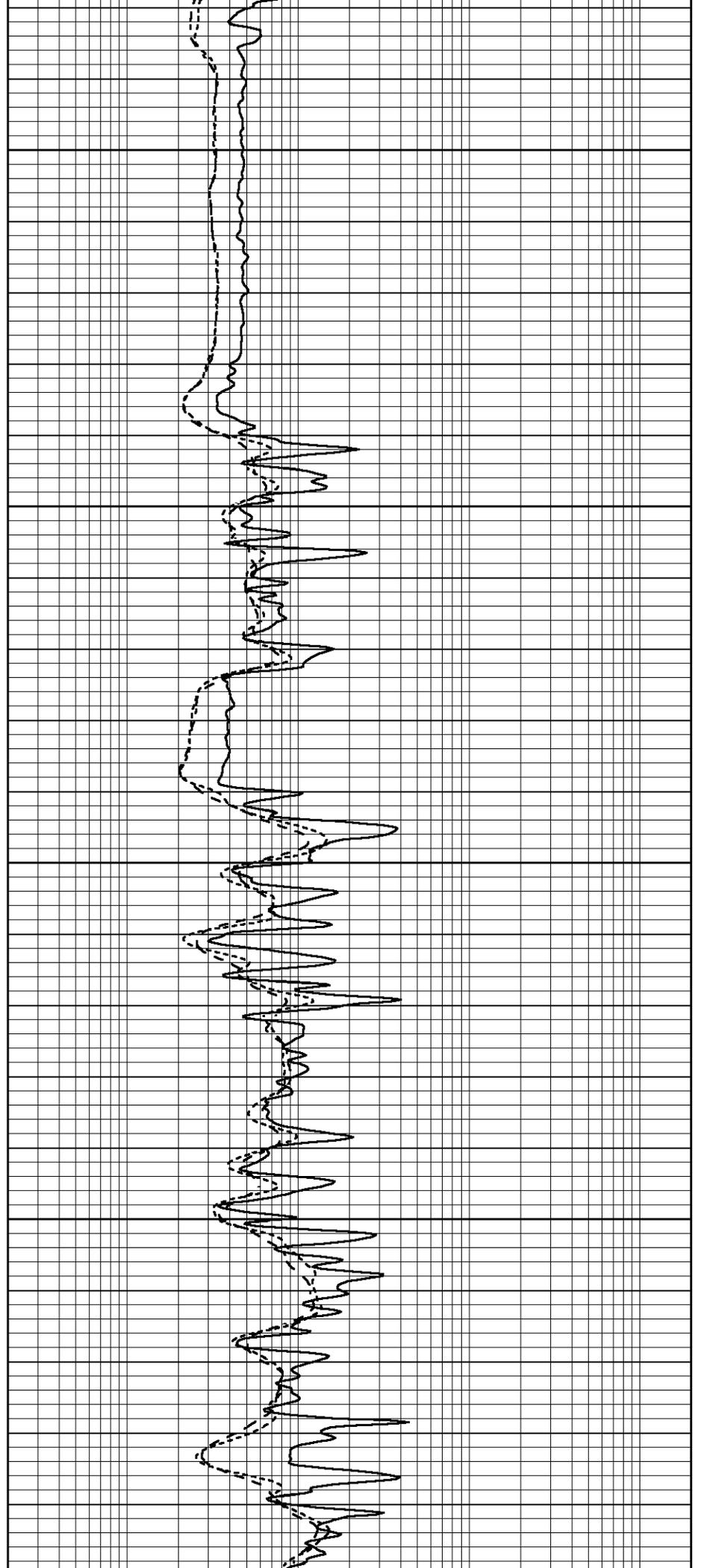


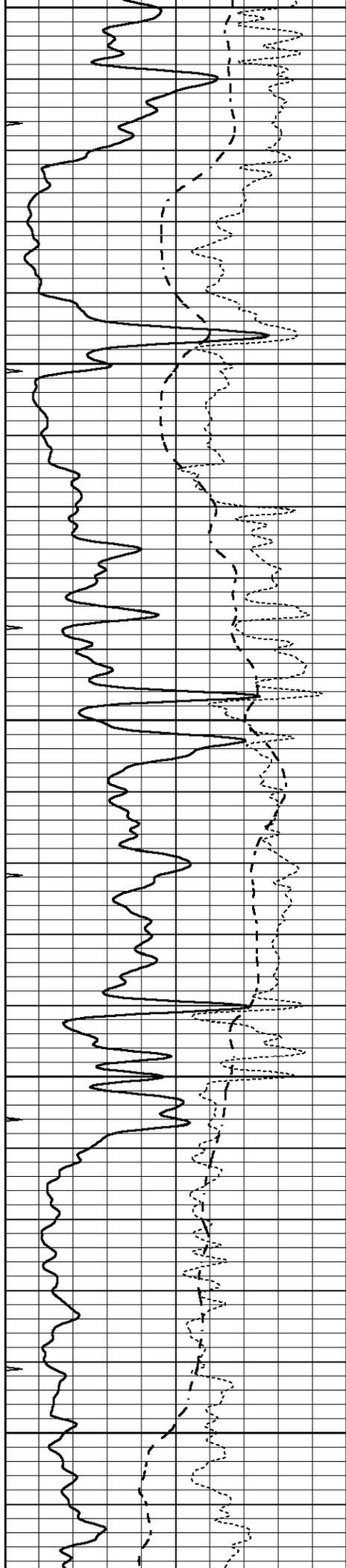
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3200

3250

3300





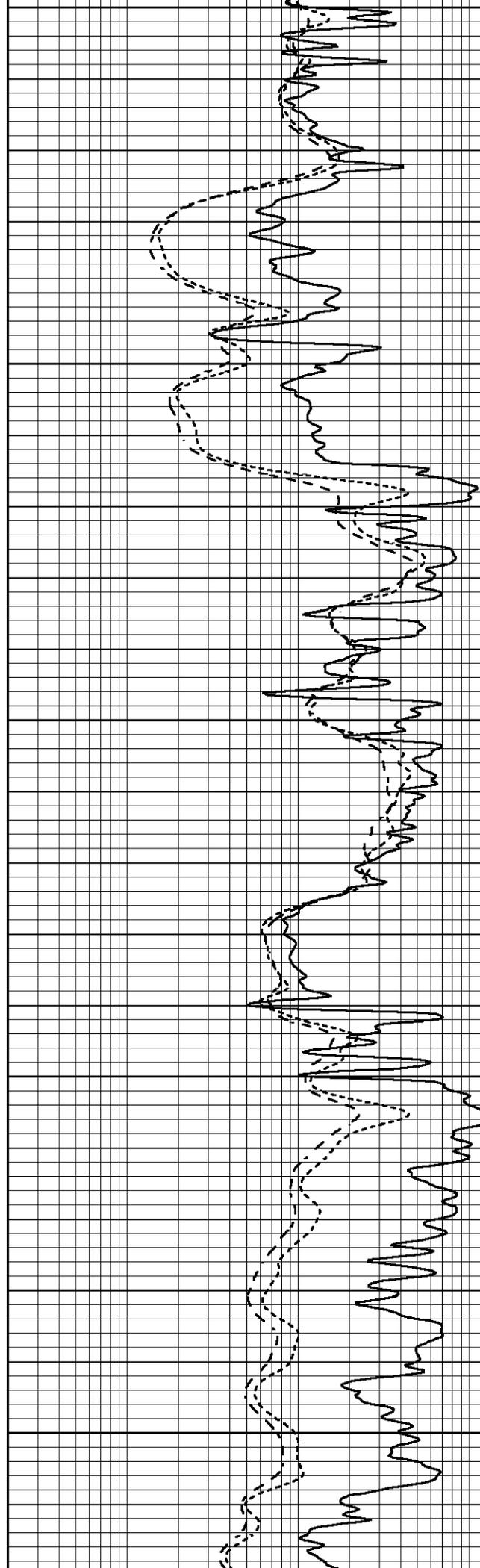
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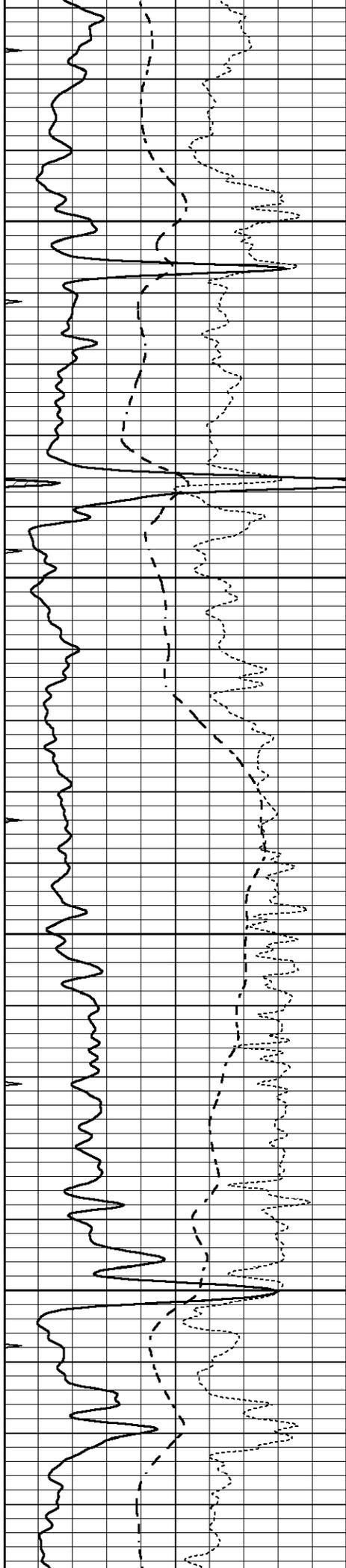
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3450

3500

3550



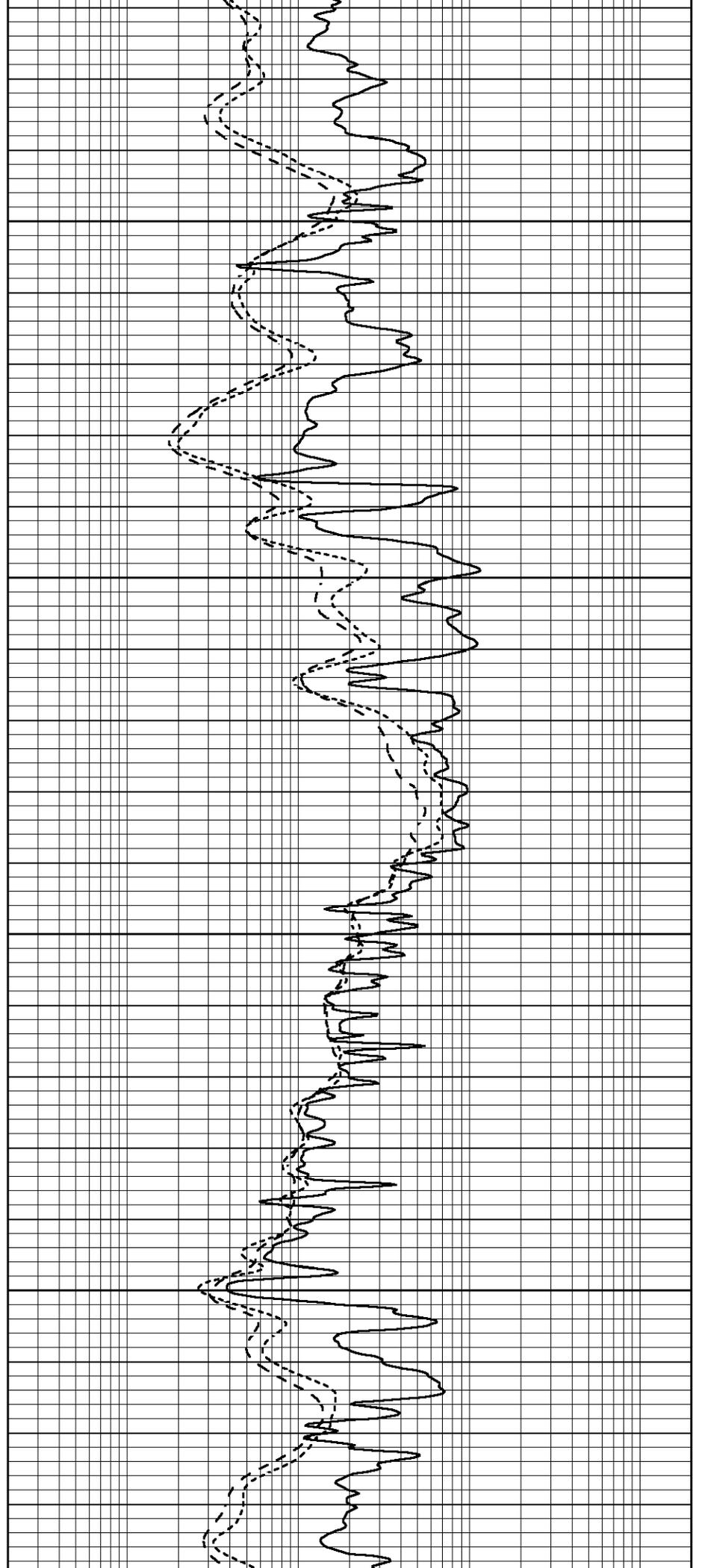


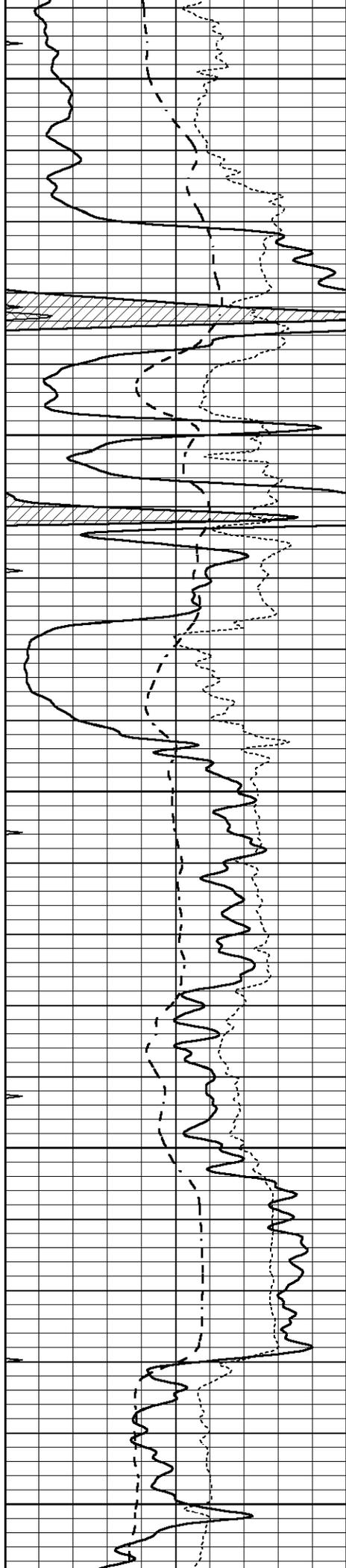
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3750





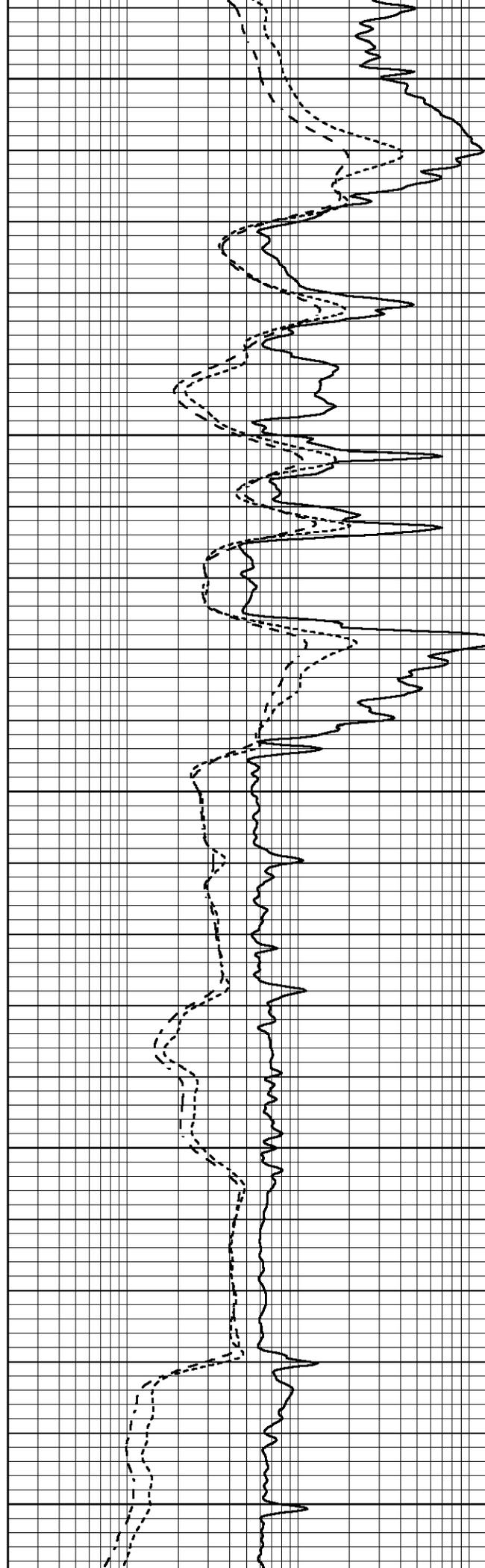
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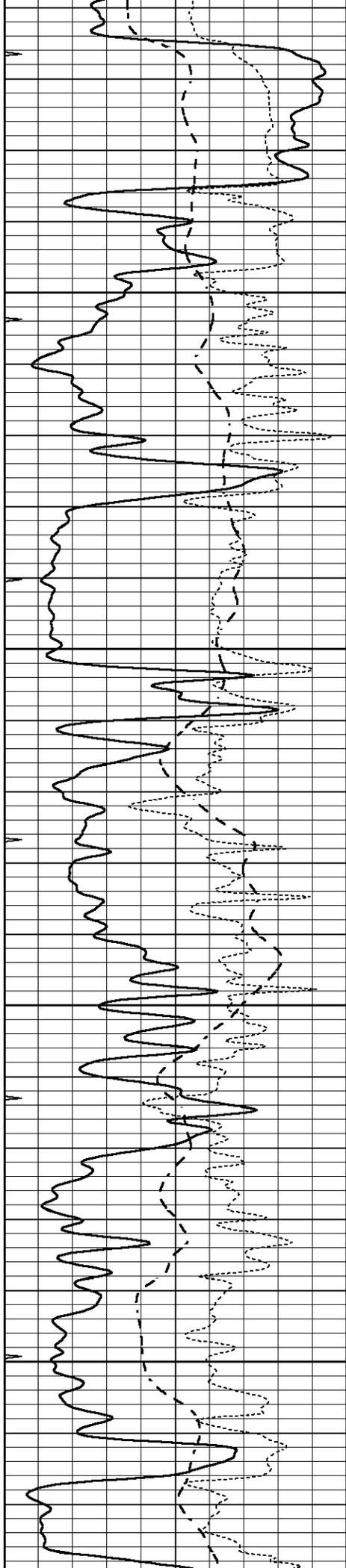
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3900

3950

4000



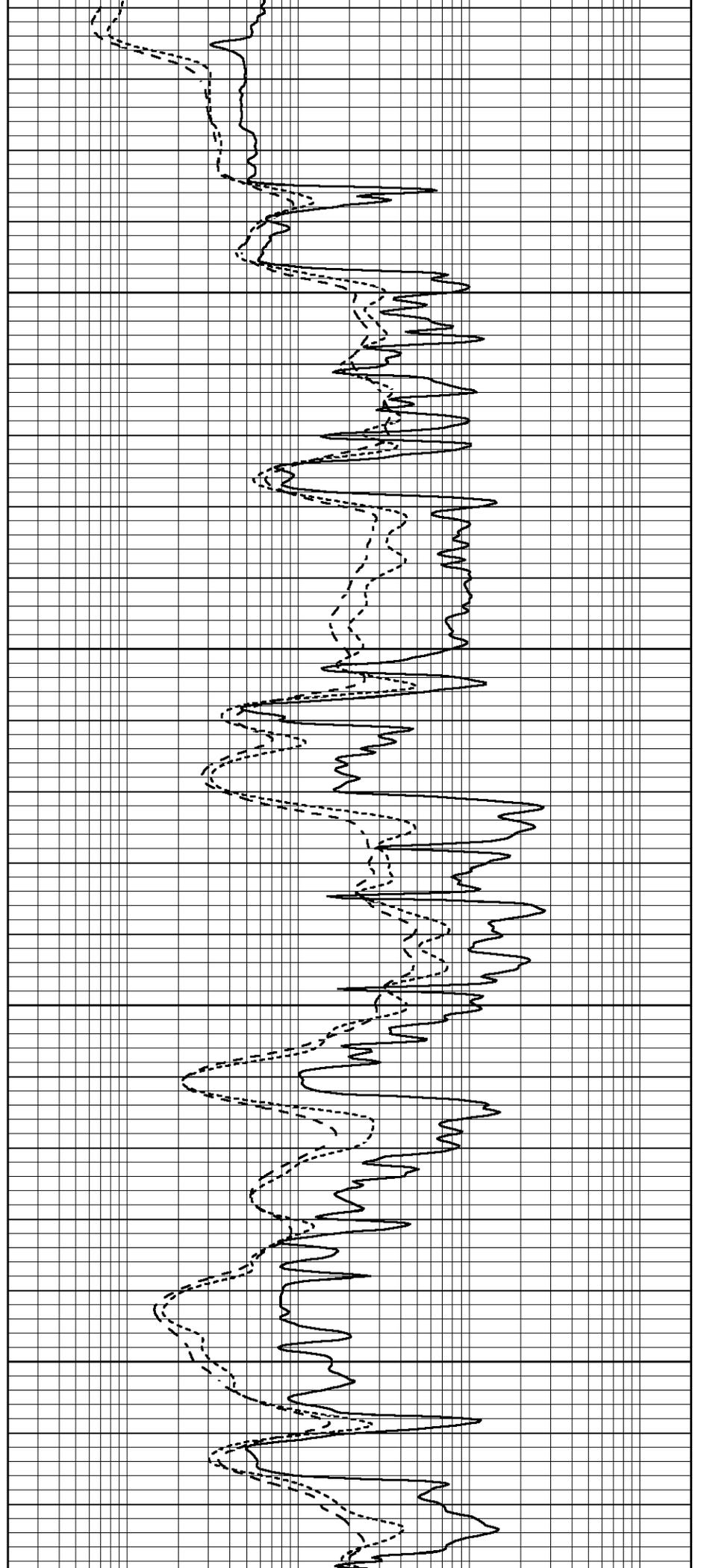


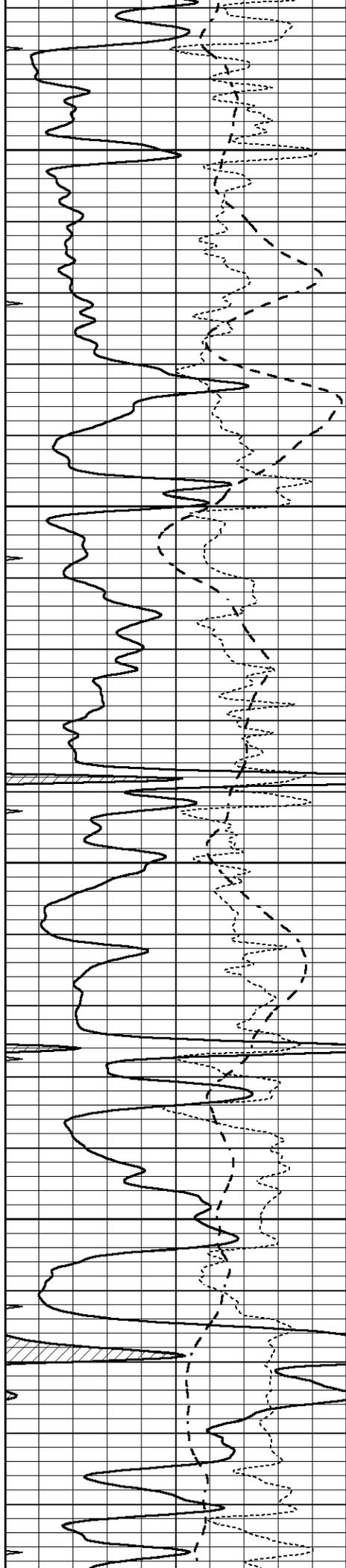
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4150

4200



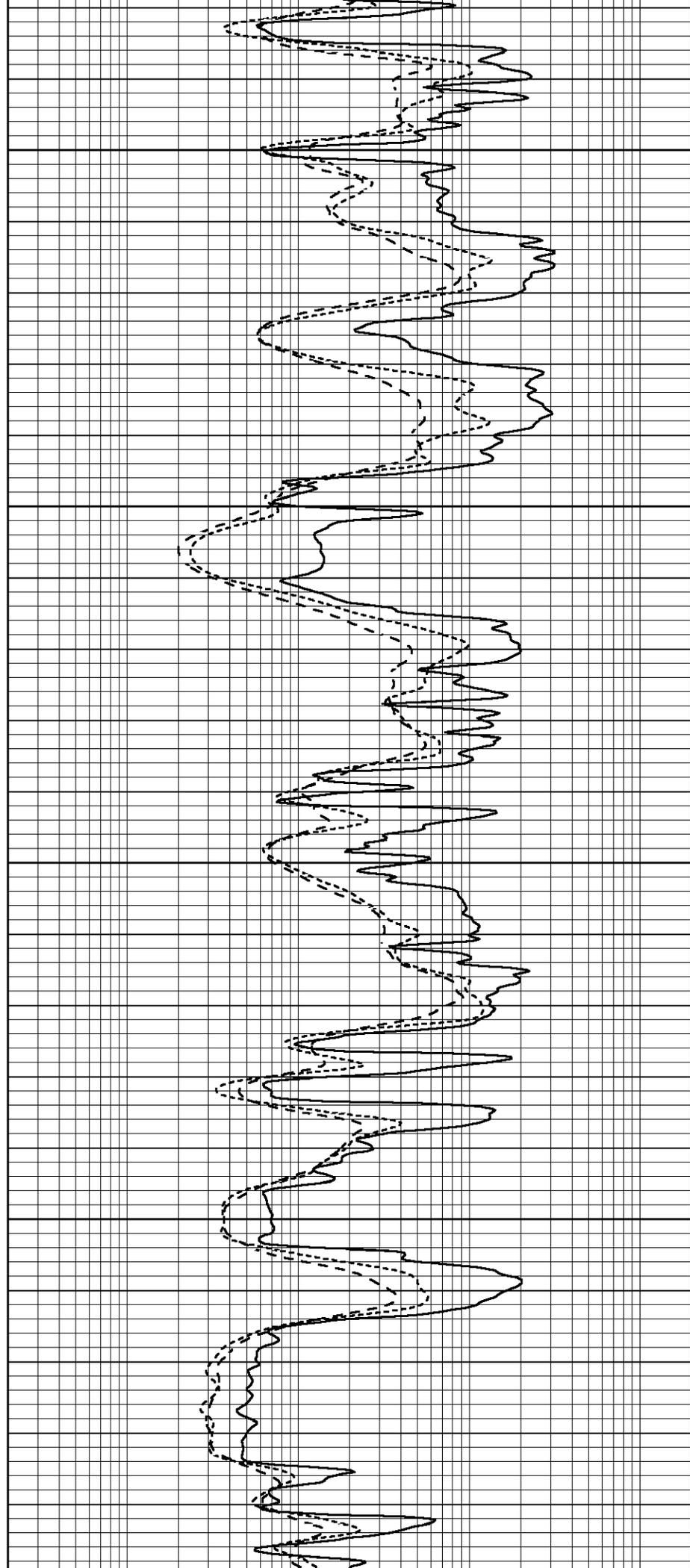


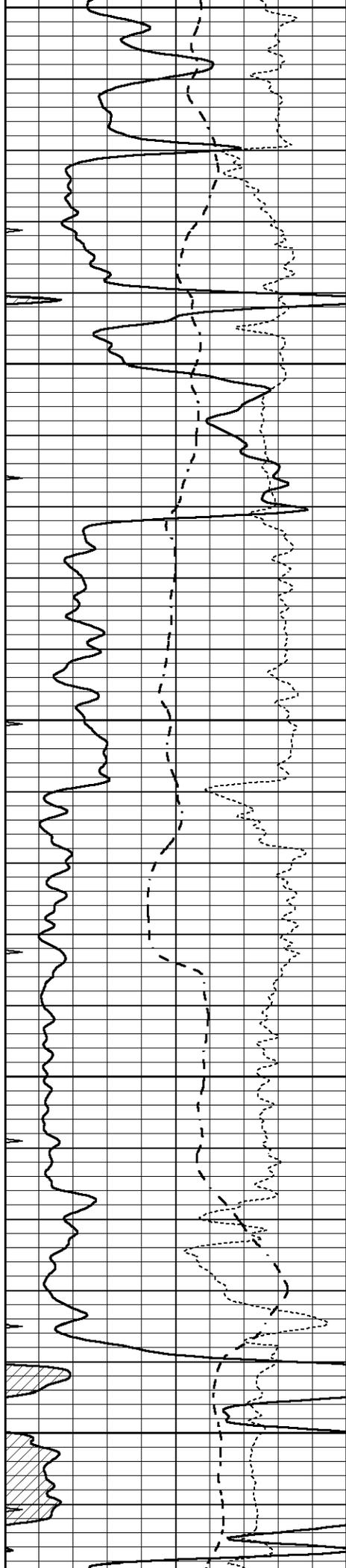
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4350

4400





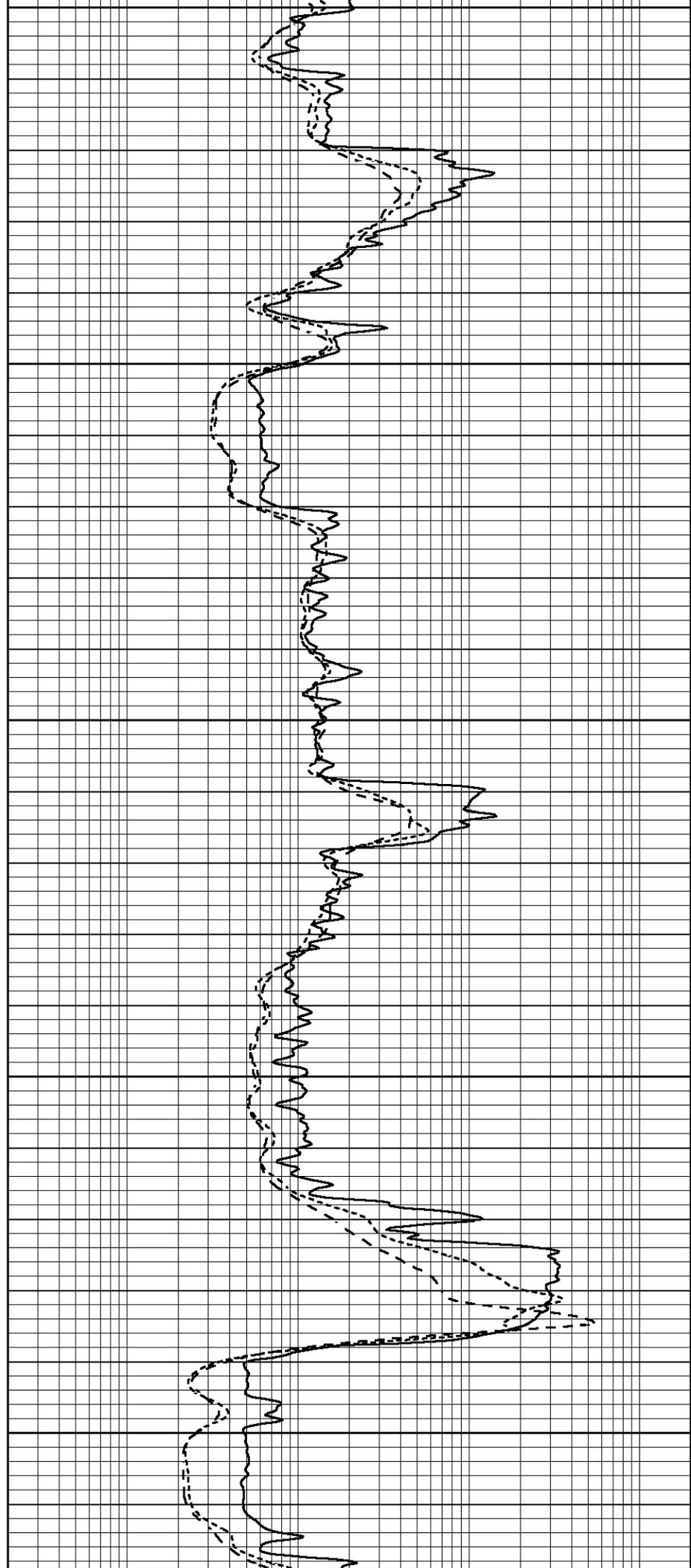
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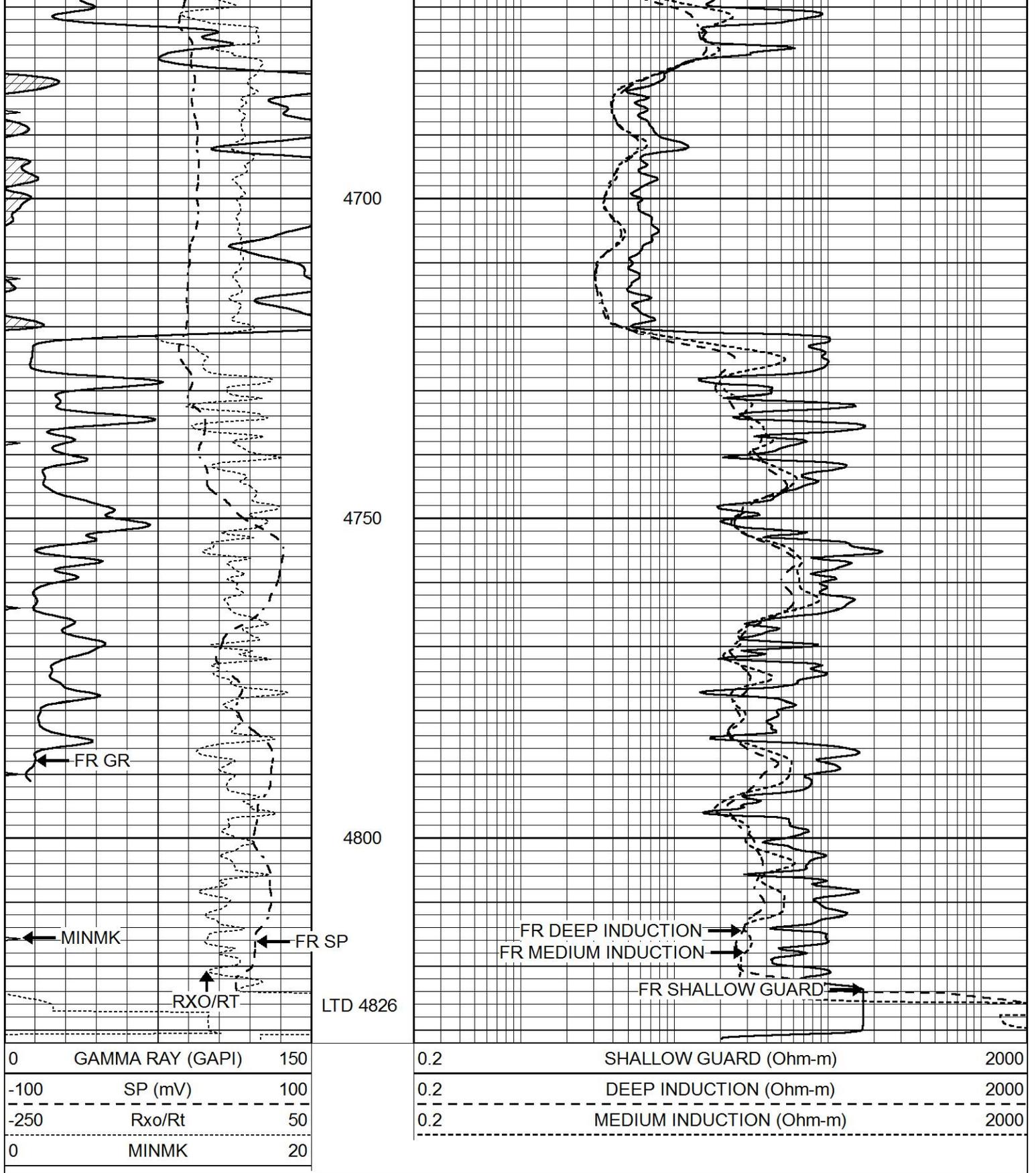
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4550

4600

4650

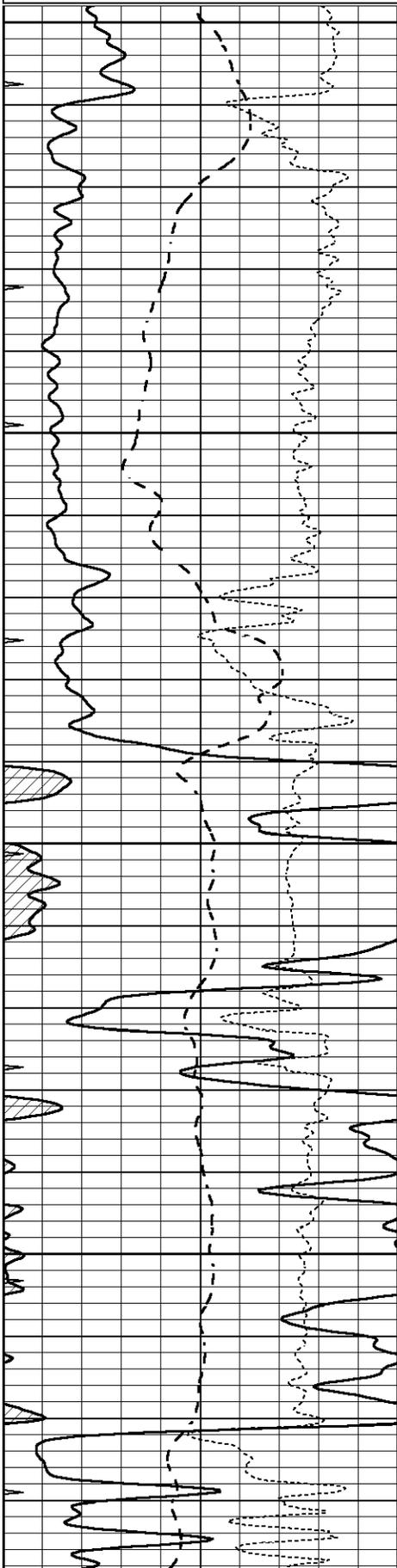




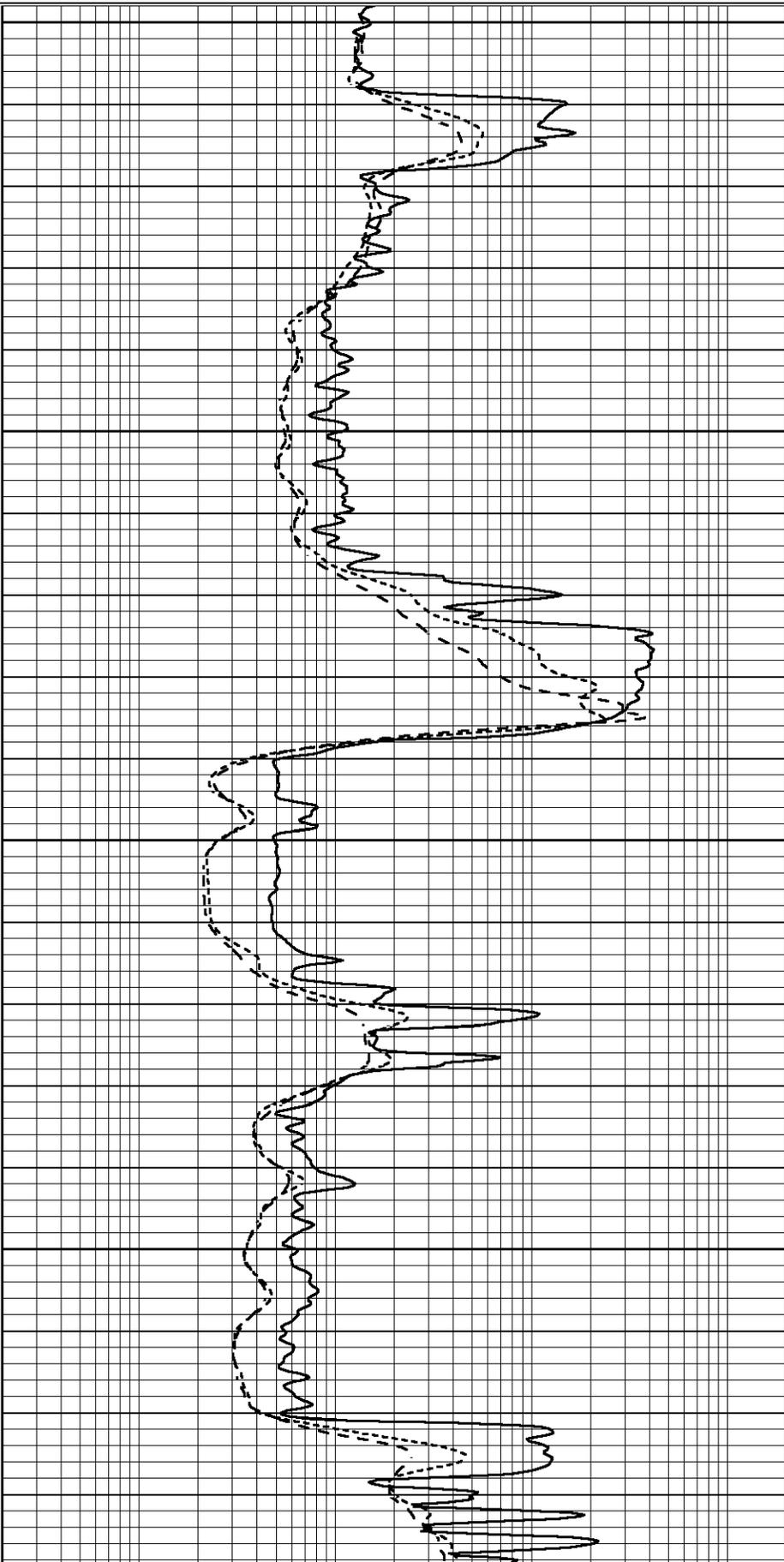
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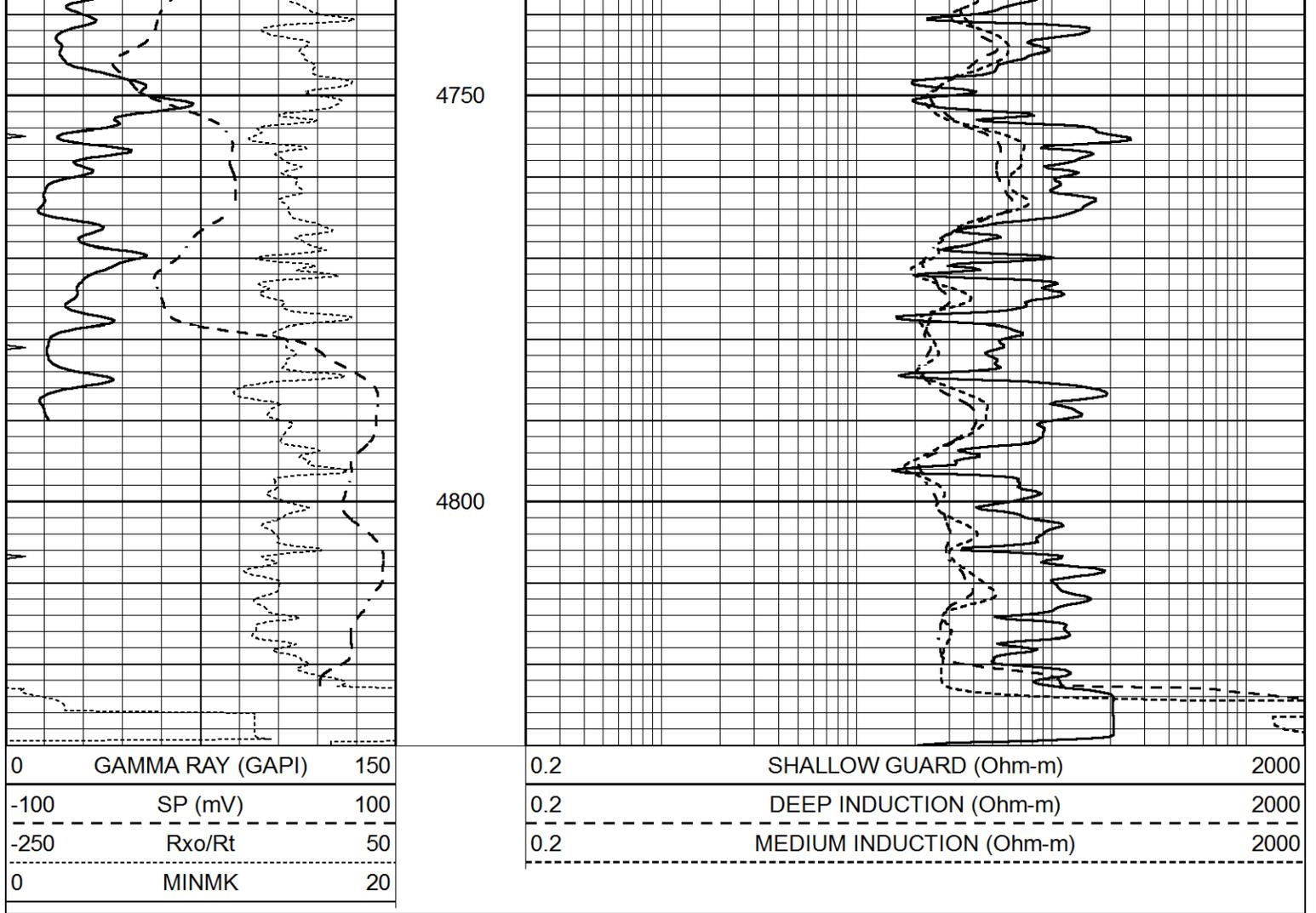
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



4550
 4600
 4650
 4700





Calibration Report

Database File 8339pe.db
 Dataset Pathname pass3.1M
 Dataset Creation Sun Nov 19 13:28:54 2023

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Sun Nov 19 12:34:45 2023
 Downhole Cal Performed: Mon Aug 14 00:39:25 2023
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	8.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	-5.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medi	0.000	0.000	mmho/m	7.500	500.000	mmho/m	1.000	0.000

Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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: 004 Model: PRB

Master Calibration		Performed Tue Aug 02 11:29:35 2022				
	Background	Magnesium	Aluminum	Aluminum+Fe		
Window 1	1154.2	10019.5	3137.9	2795.6	cps	
Window 2	1054.4	8597.6	2733.4	2469.5	cps	
Window 3	902.3	5241.4	1832.1	1719.3	cps	
Window 4	251.9	261.1	255.8	252.9	cps	
Long Space	0.0	7543.2	1679.0	1415.0	cps	
Short Space	4.4	2049.3	1321.7	1116.8	cps	
Rho		1.7100	2.5900	0.0000	g/cc	
Pe		2.0000	2.7500	5.7900		
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio	: 0.562	
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept	: -17.2	

Before Survey Verification		Performed Wed Dec 31 18:00:00 1969				
	Background	Magnesium	Aluminum	Aluminum+Fe		
Window 1	0.0	0.0	0.0	0.0	cps	
Window 2	0.0	0.0	0.0	0.0	cps	
Window 3	0.0	0.0	0.0	0.0	cps	
Window 4	0.0	0.0	0.0	0.0	cps	
Long Space	0.0	0.0	0.0	0.0	cps	
Short Space	0.0	0.0	0.0	0.0	cps	
Measured Rho		0.0000	0.0000	0.0000	g/cc	
Measured Correction		0.0000	0.0000	0.0000	g/cc	
Measured Pe			0.0000	0.0000		

After Survey Verification		Performed Wed Dec 31 18:00:00 1969				
	Background	Magnesium	Aluminum	Aluminum+Fe		
Window 1	0.0	0.0	0.0	0.0	cps	
Window 2	0.0	0.0	0.0	0.0	cps	
Window 3	0.0	0.0	0.0	0.0	cps	
Window 4	0.0	0.0	0.0	0.0	cps	
Long Space	0.0	0.0	0.0	0.0	cps	
Short Space	0.0	0.0	0.0	0.0	cps	
Measured Rho		0.0000	0.0000	0.0000	g/cc	
Measured Correction		0.0000	0.0000	0.0000	g/cc	
Measured Pe			0.0000	0.0000		

Compensated Neutron Calibration Report

Serial Number: 070808PMC
Tool Model: NABORS

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	070558	
Tool Model:	OPEN_GR	
Performed:	Wed Nov 15 06:07:43 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps