

DUAL INDUCTION LOG

Company	SATCHELL CREEK PET. LLC.	Company	SATCHELL CREEK PETROLEUM, LLC.
Well	CATHEDRAL "A" 2	Well	CATHEDRAL "A" 2
Field	CATHERINE EAST	Field	CATHERINE EAST
County	ELLIS	County	ELLIS
State	KANSAS	State	KANSAS
Location:	API # : 15-051-27050-0000 835' FNL & 345' FEL NW - SE - NE - NE	Other Services CDL/CNL/PE MEL/SONIC	
Permanent Datum	GROUND LEVEL	Elevation	2029
Log Measured From	KELLY BUSHING 6' A.G.L.	K.B. 2035 D.F. 2033 G.L. 2029	
Drilling Measured From	KELLY BUSHING		
Date	9/11/22		
Run Number	ONE		
Depth Driller	3655		
Depth Logger	3645		
Bottom Logged Interval	3643		
Top Log Interval	00		
Casing Driller	8 5/8" @ 214'		
Casing Logger	214		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 12,000 PPM	
Density / Viscosity	9.6/49		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.400 @ 82F		
Rmf @ Meas. Temp	.300 @ 82F		
Rmc @ Meas. Temp	.480 @ 82F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.290 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	2:30 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEATON JONES	CHRIS LEIKER	

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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.

15-051-27050-0000

Comments

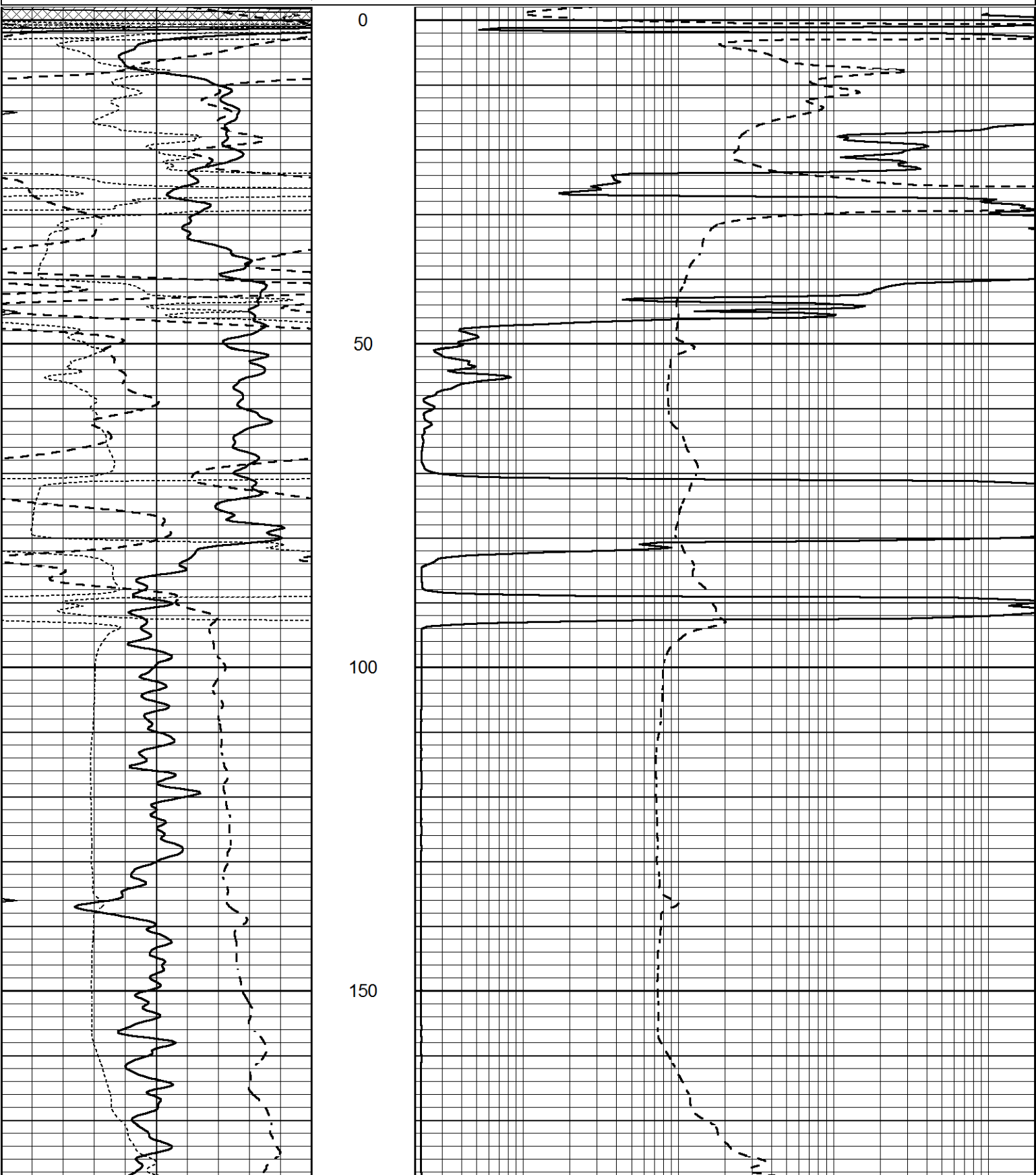
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
VICTORIA, KS. & I-70, N. TO CATHERINE BLKTOP, 1W. TO "330TH", 1/2N., W. INTO

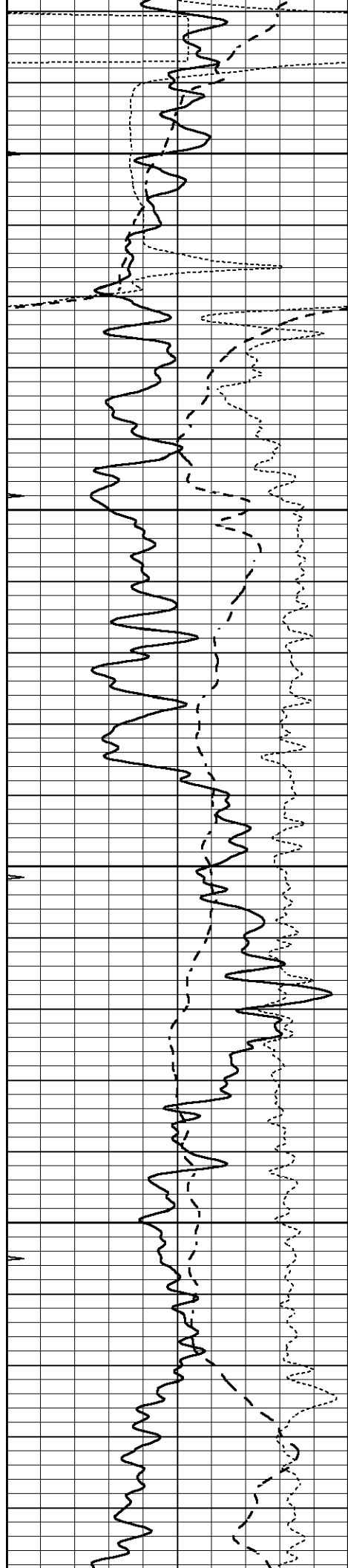


MAIN SECTION

Database File	6924pe.db
Dataset Pathname	pass3.1M
Presentation Format	_dil
Dataset Creation	Sun Sep 11 16:56:49 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			





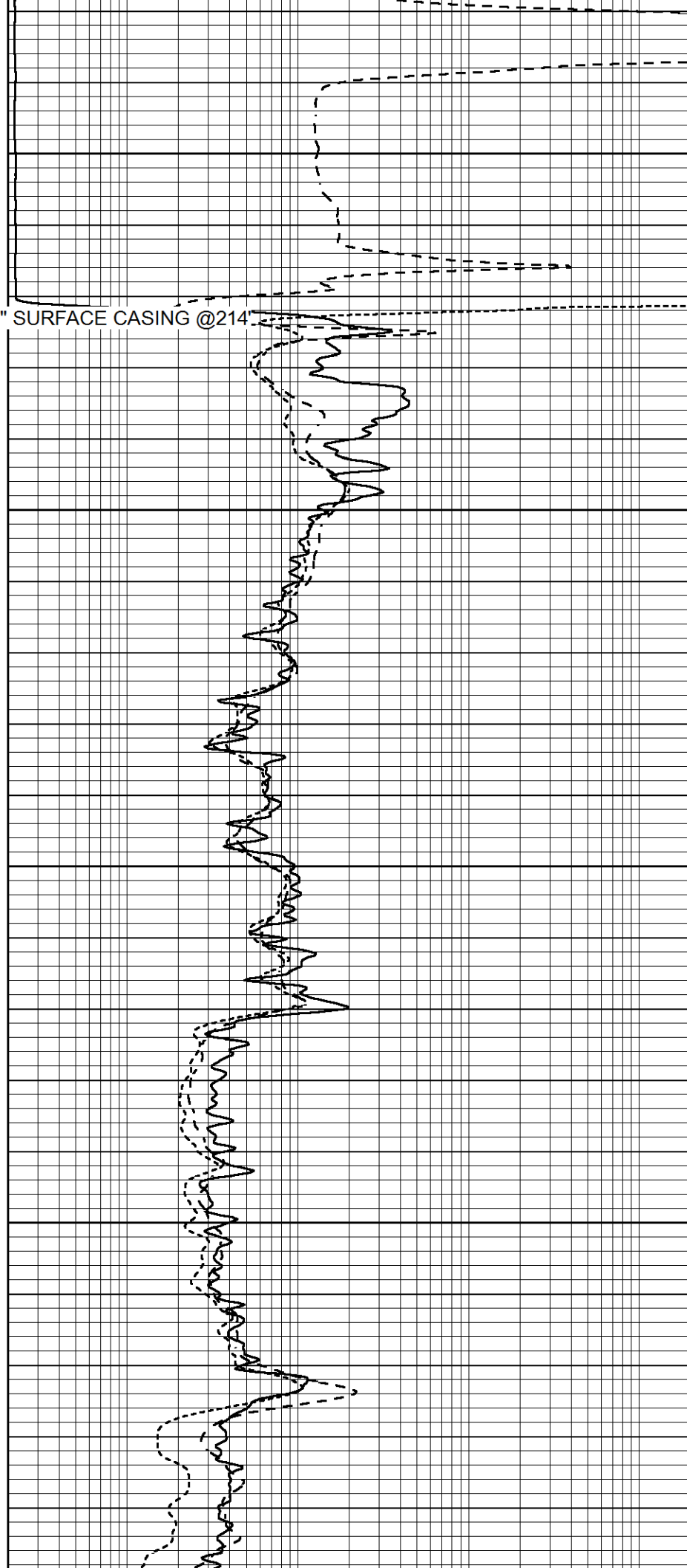
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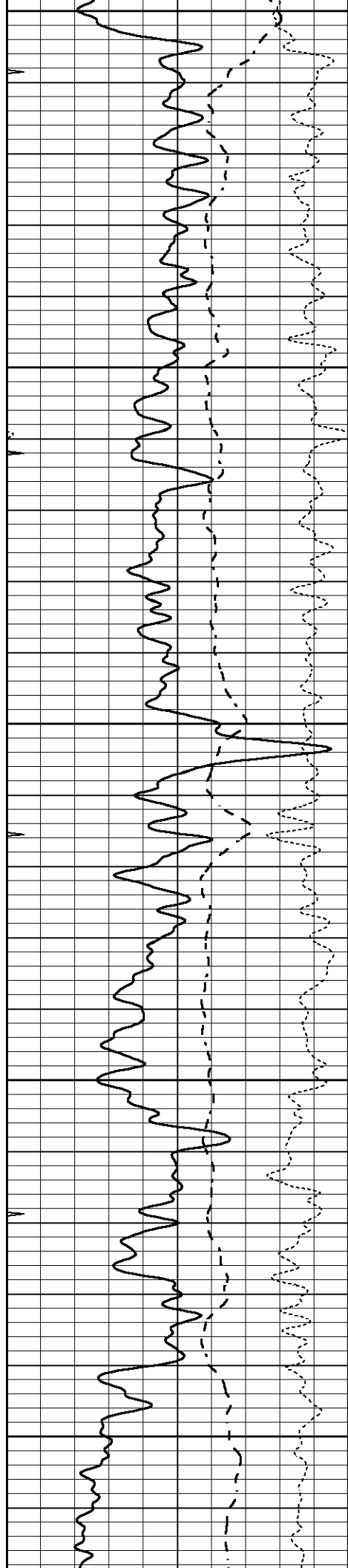
250

300

350

8 5/8" SURFACE CASING @214'





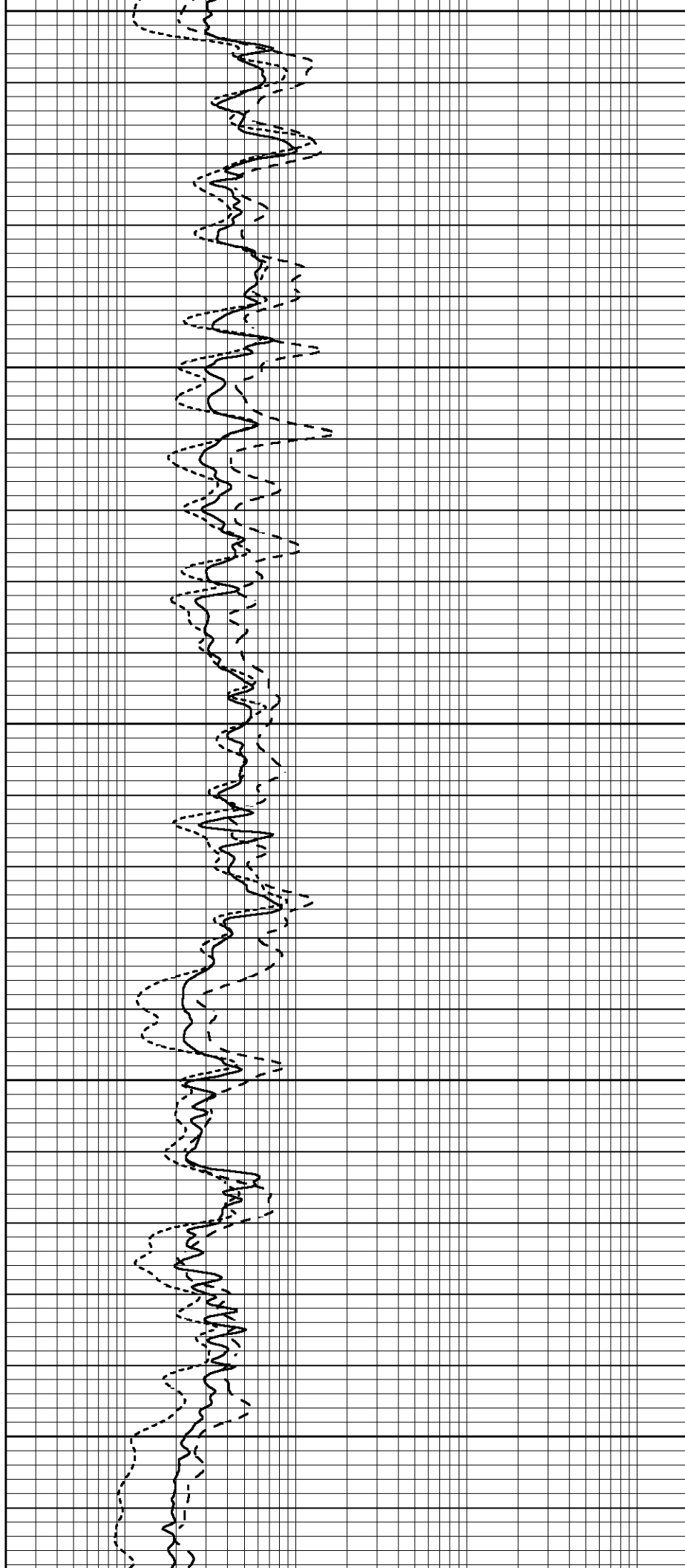
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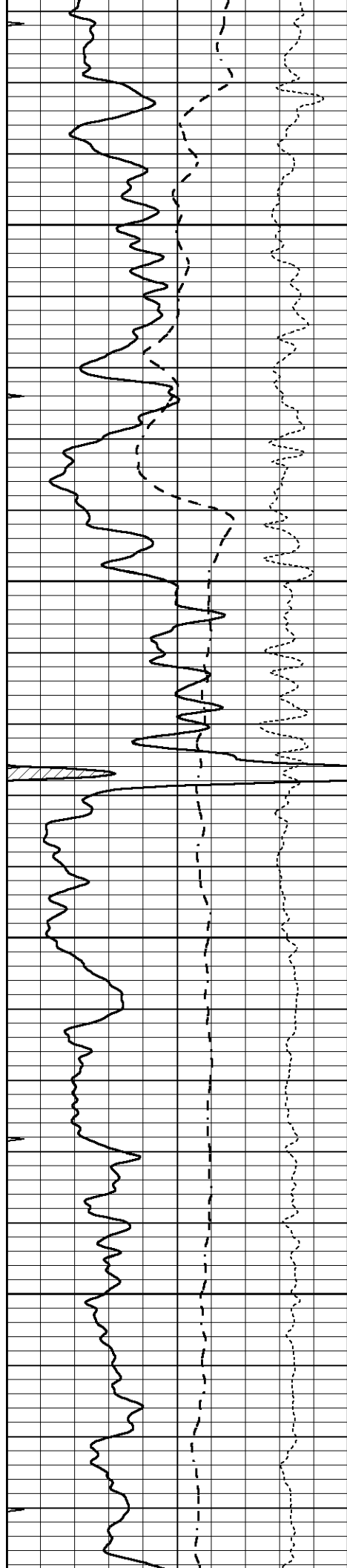
450

500

550

600



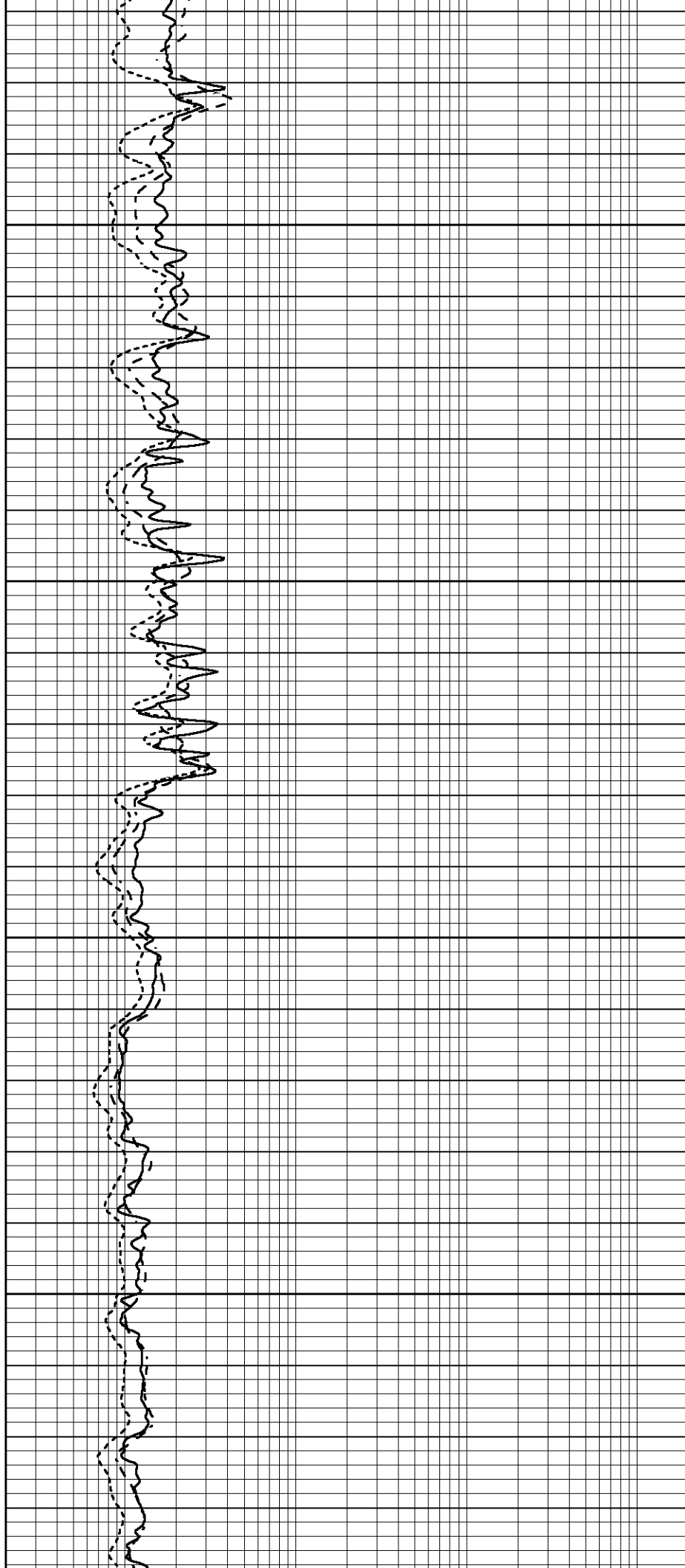


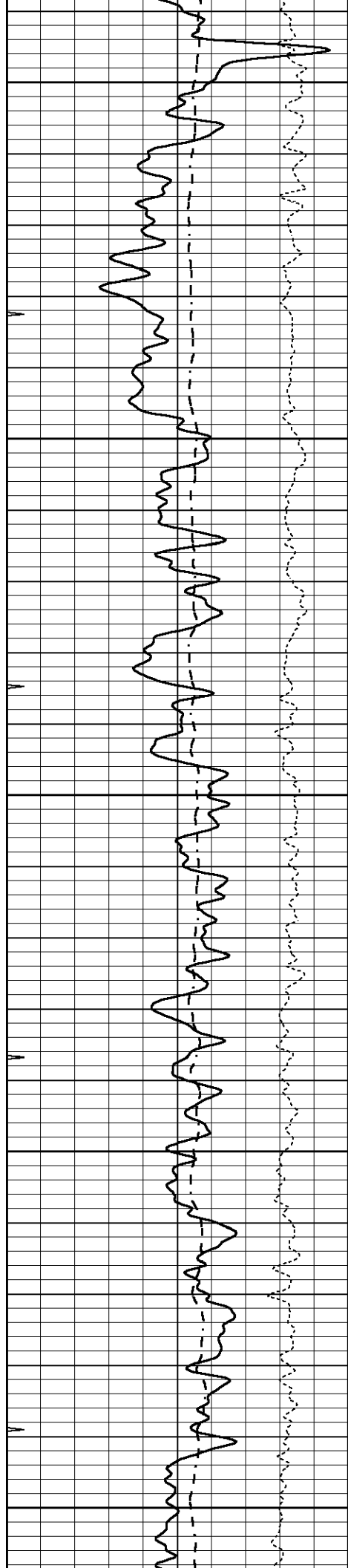
650

700

750

800





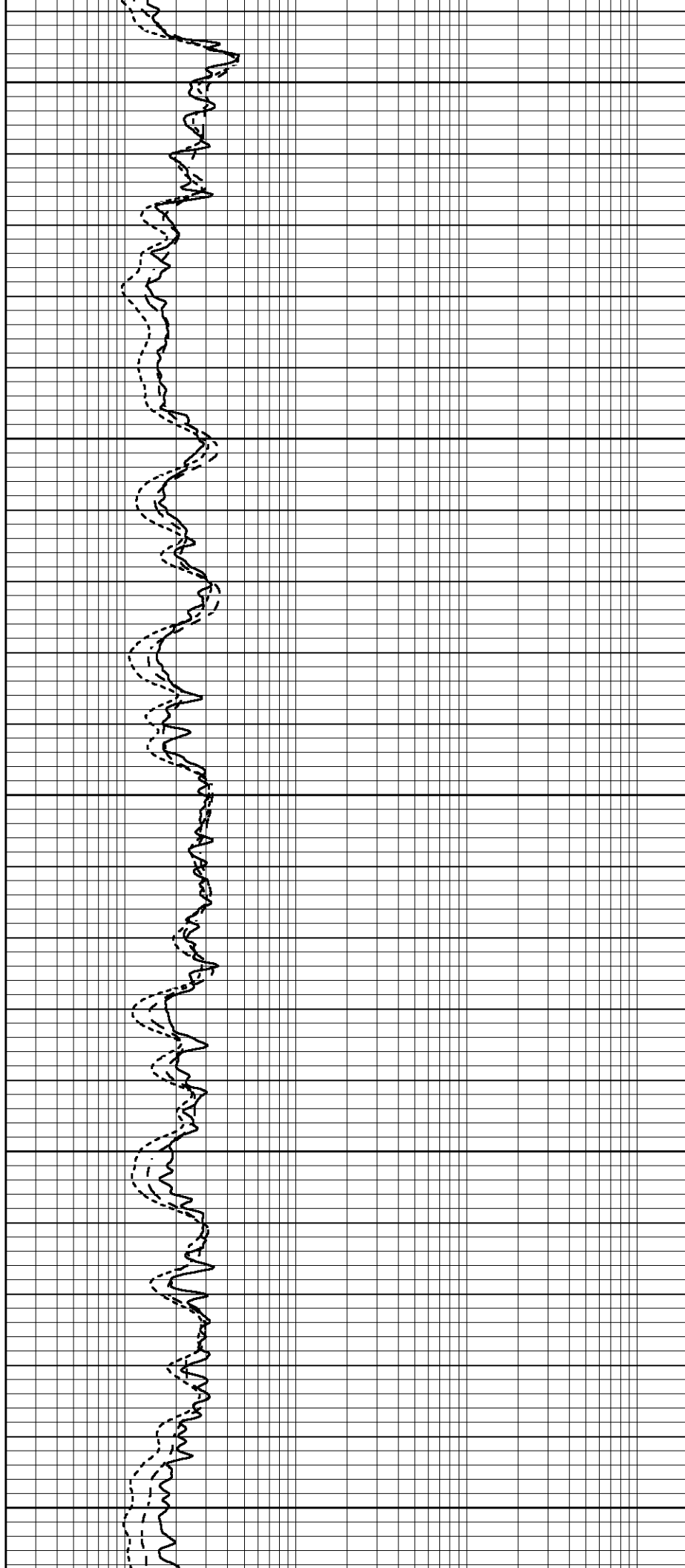
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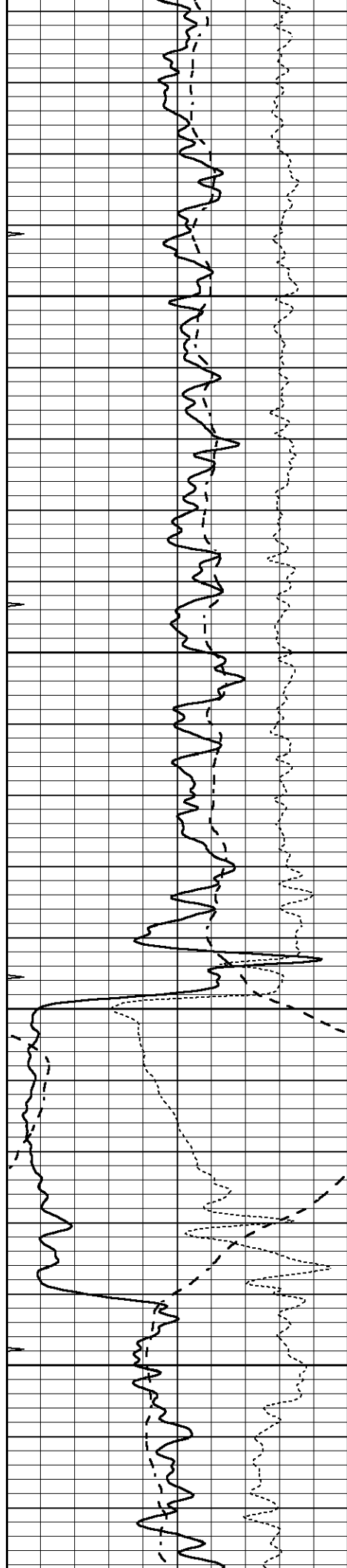
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950

1000

1050



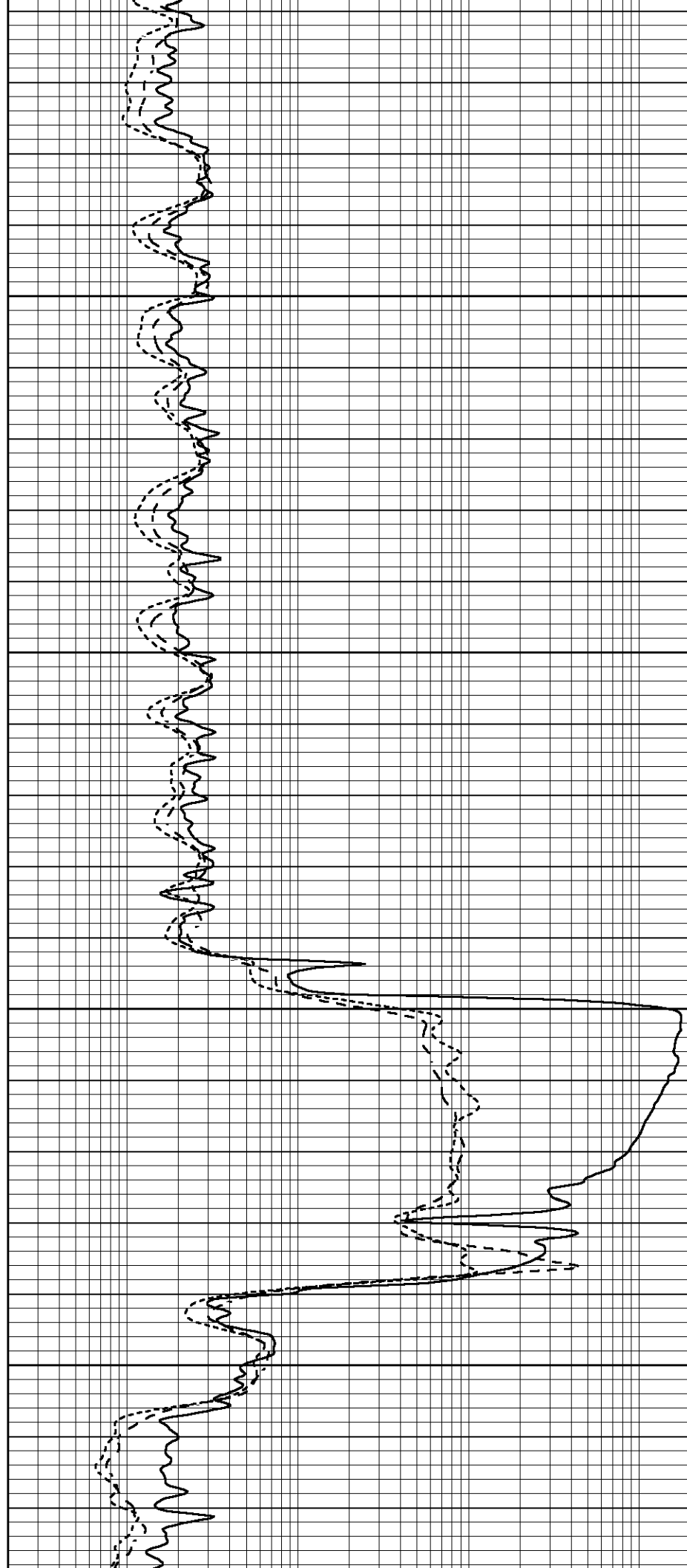


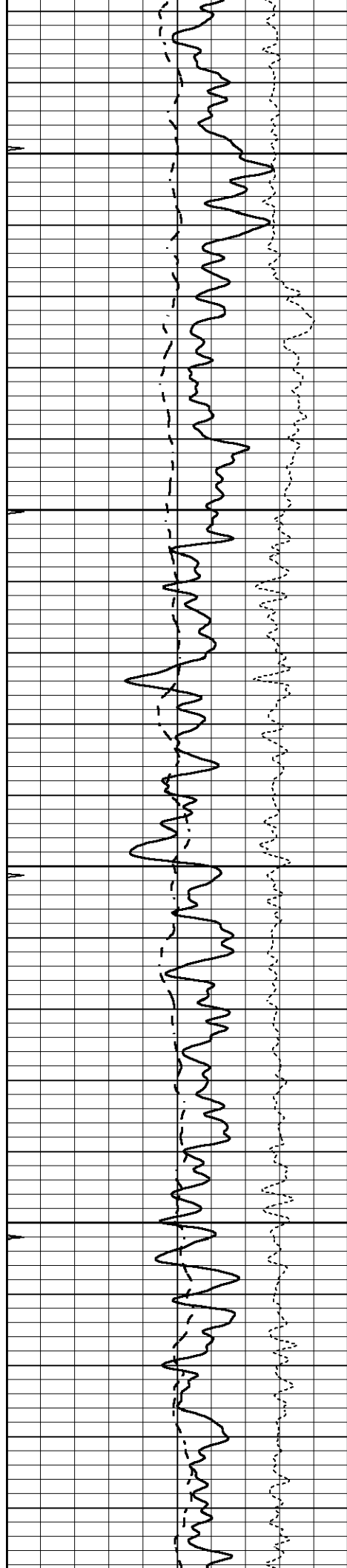
1100

1150

1200

1250



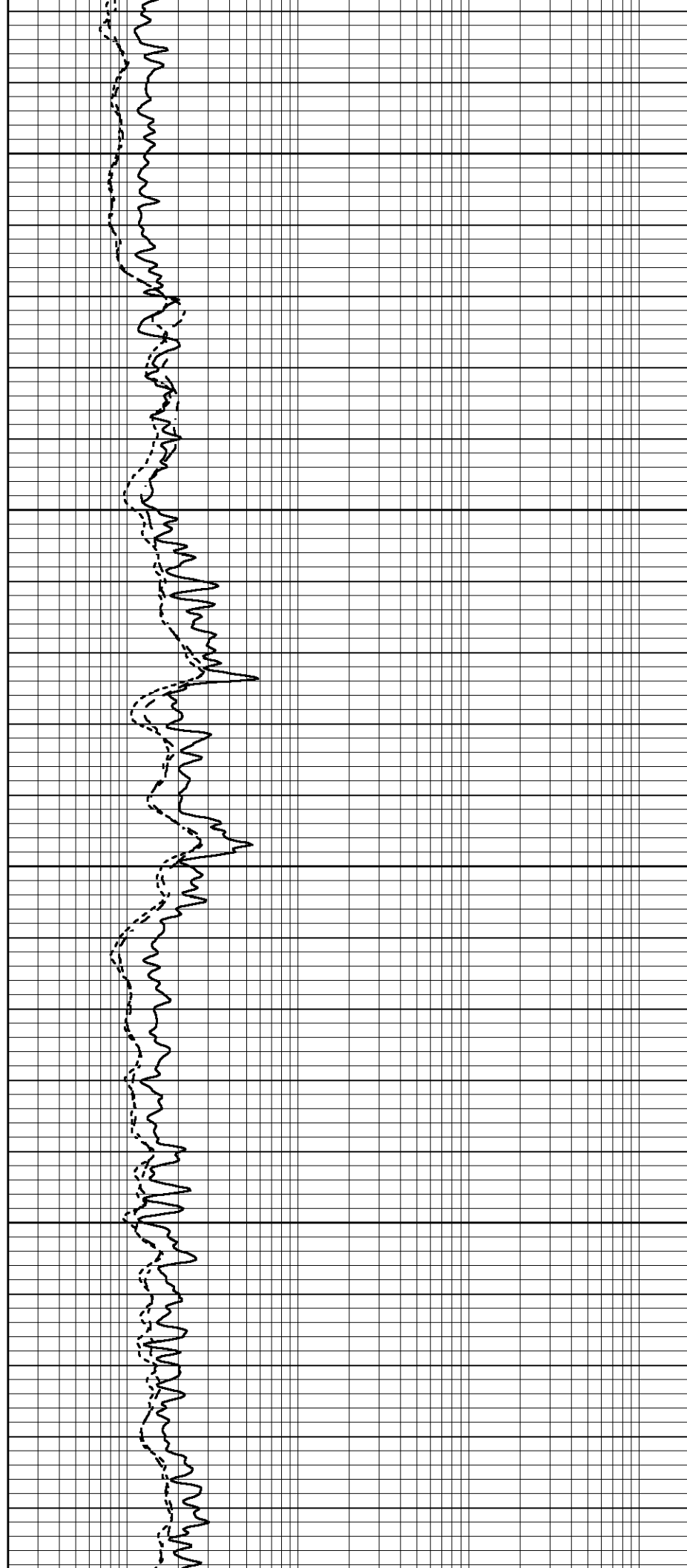


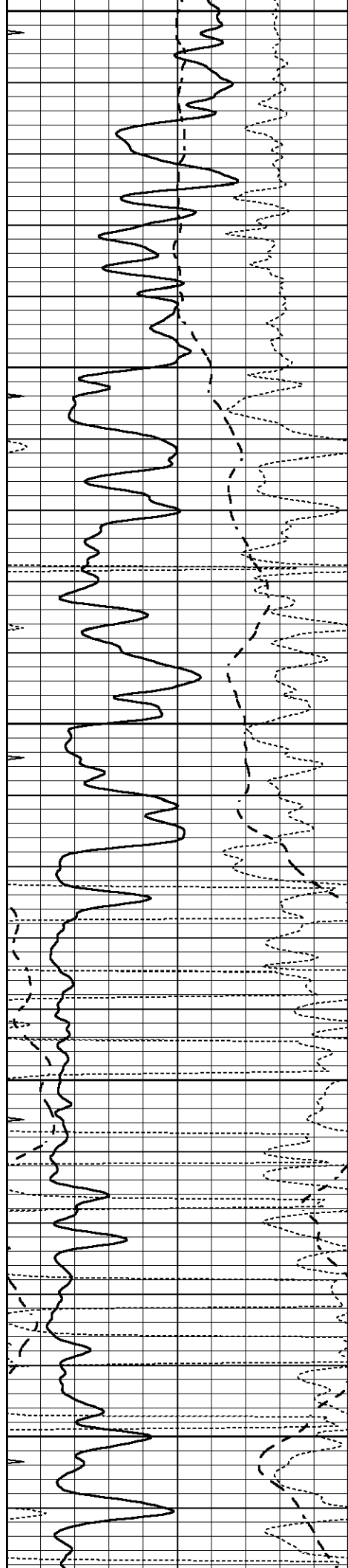
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1350

1400

1450





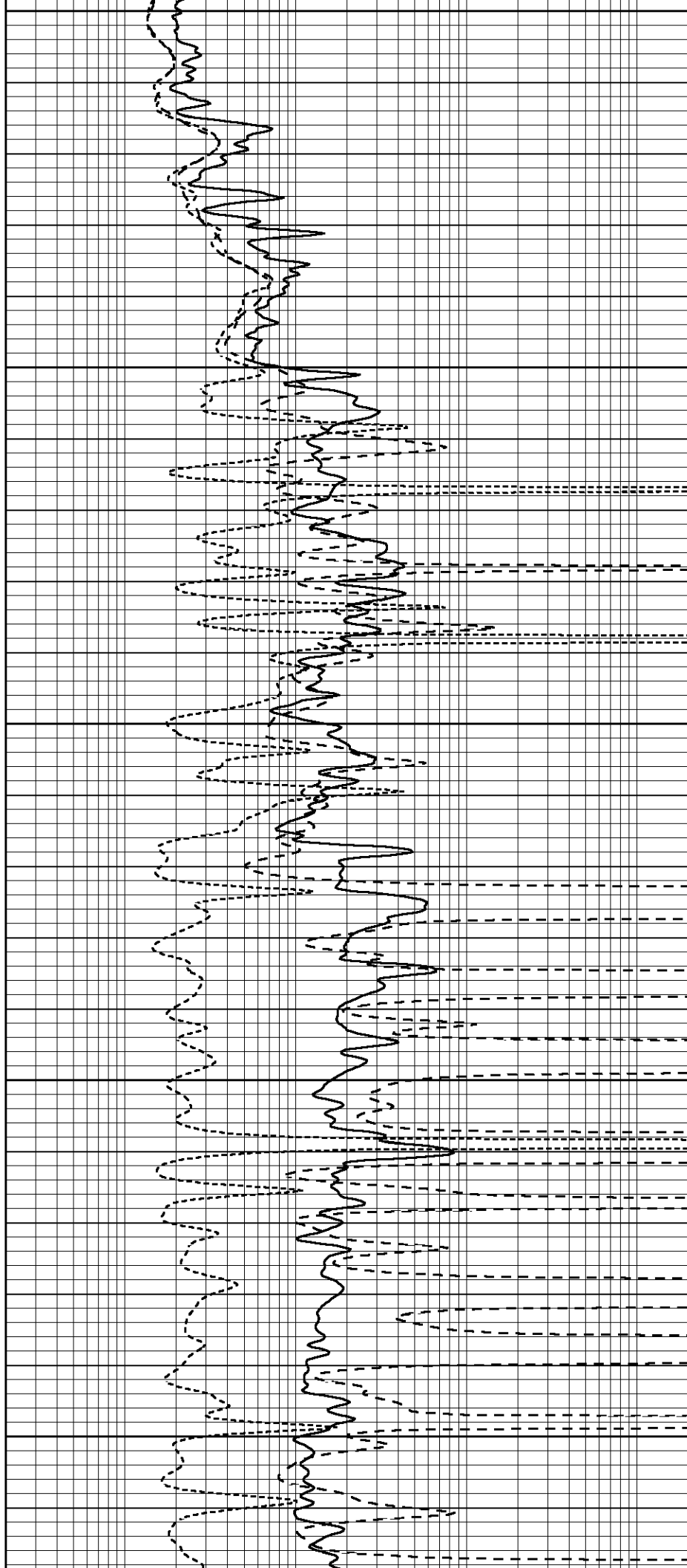
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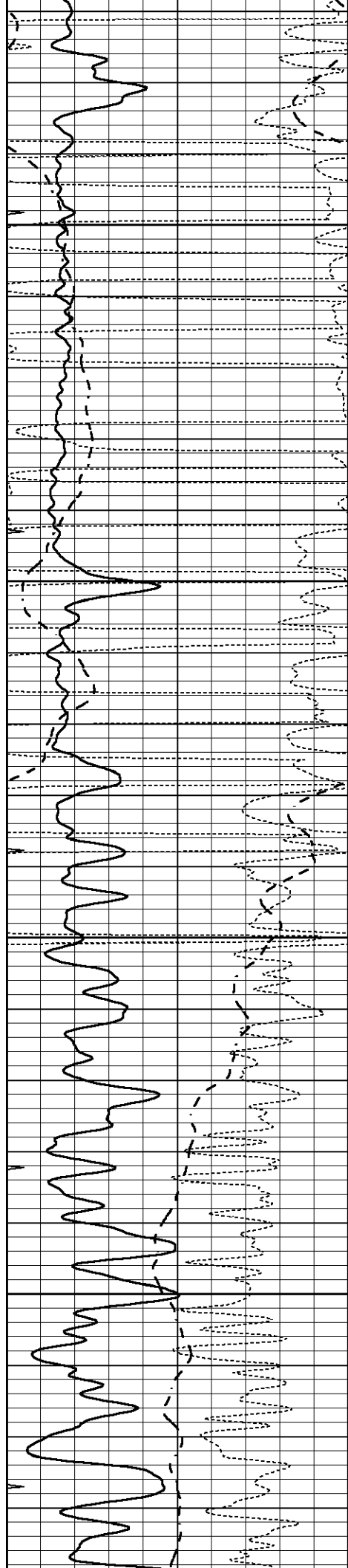
1550

1600

1650

1700



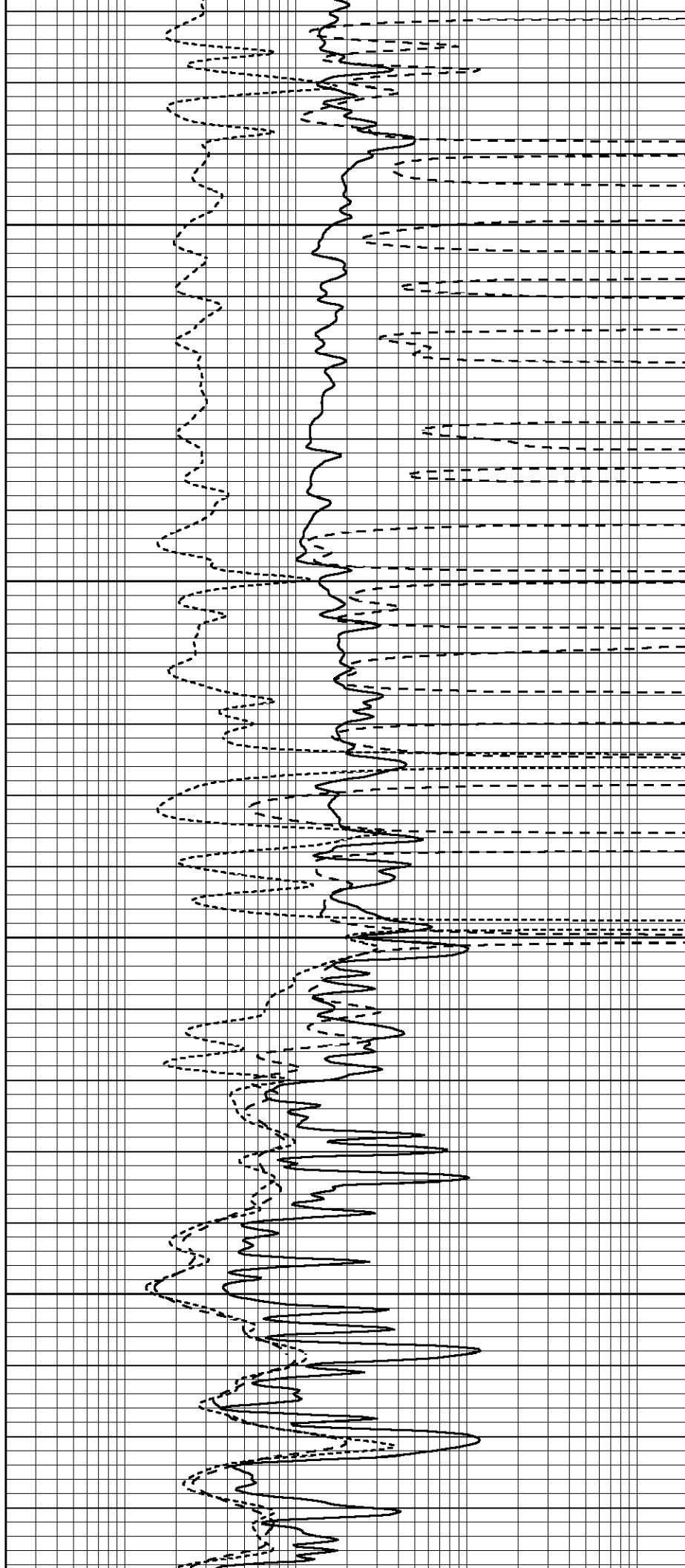


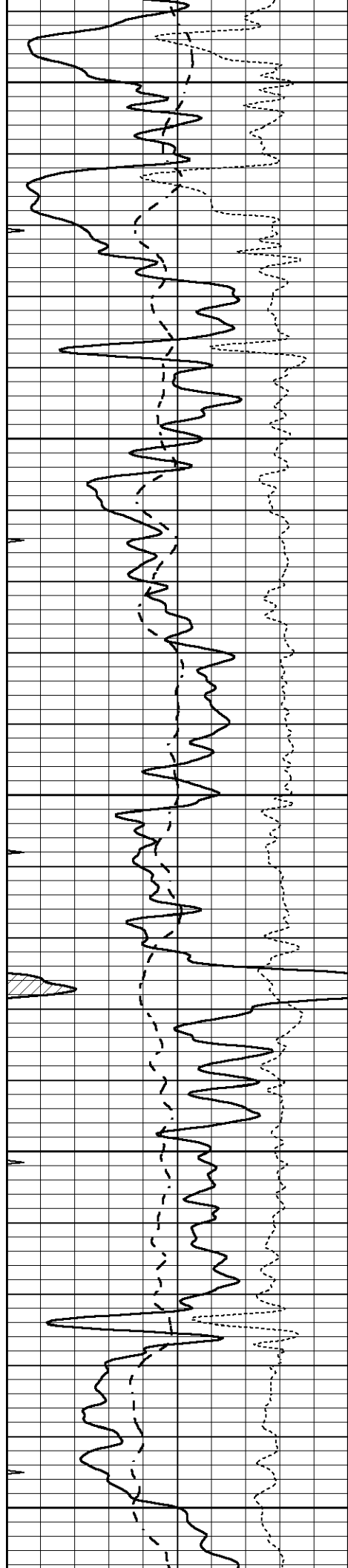
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1800

1850

1900





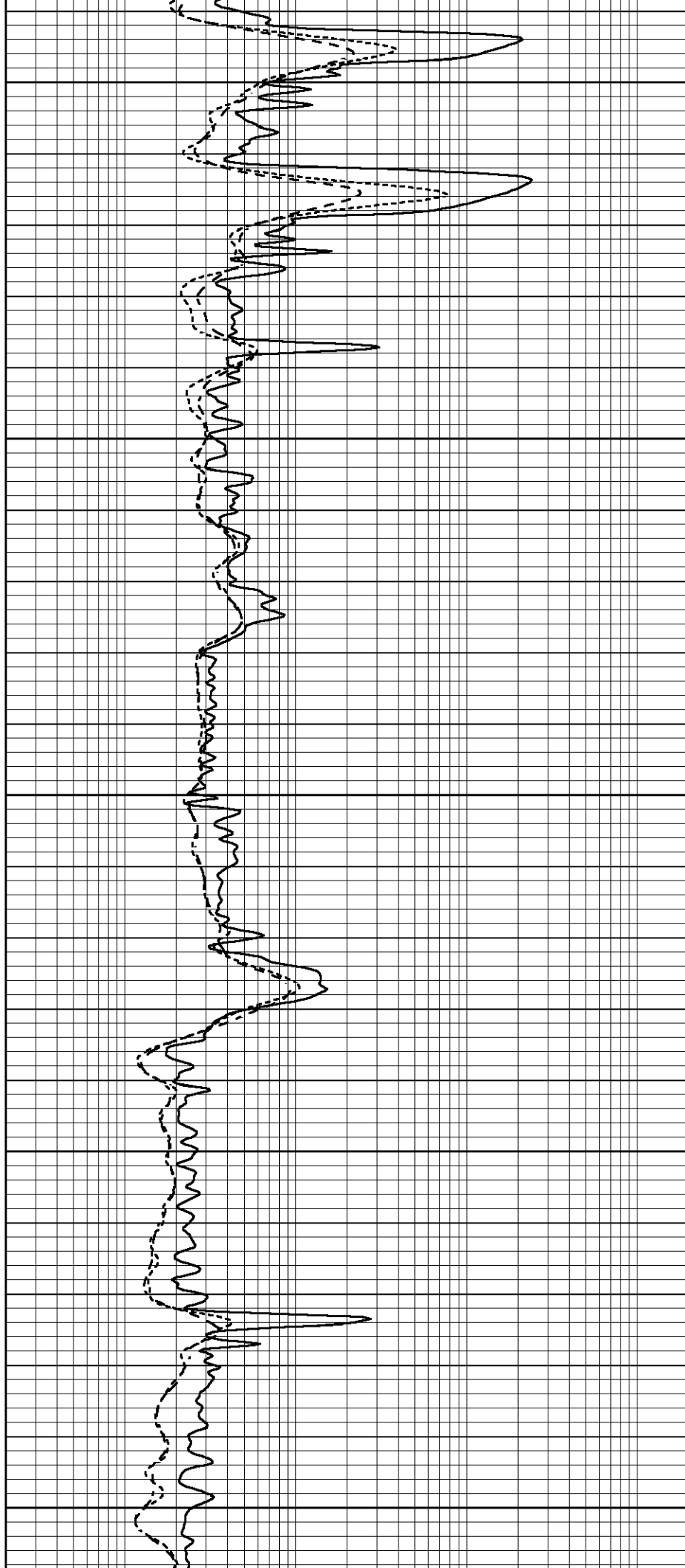
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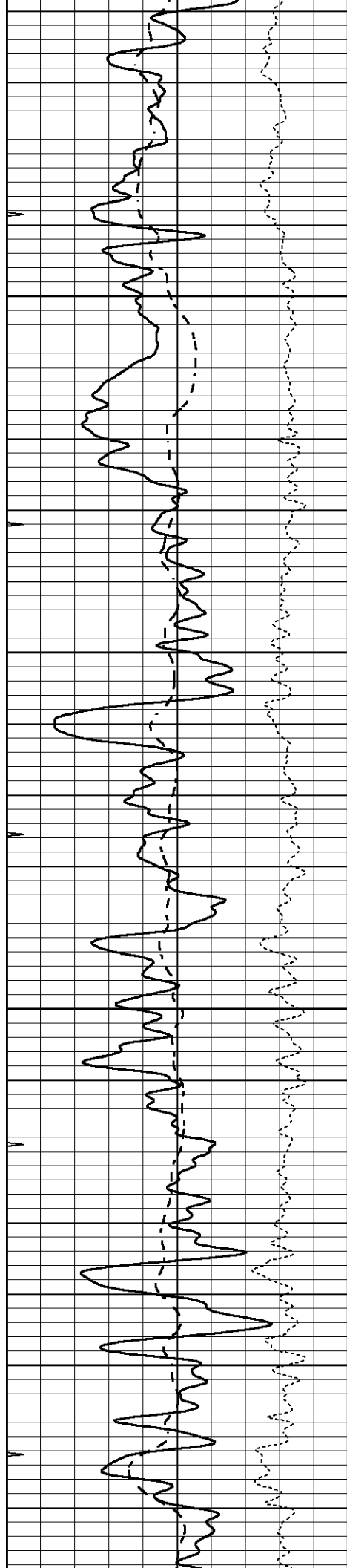
2000

2050

2100

2150



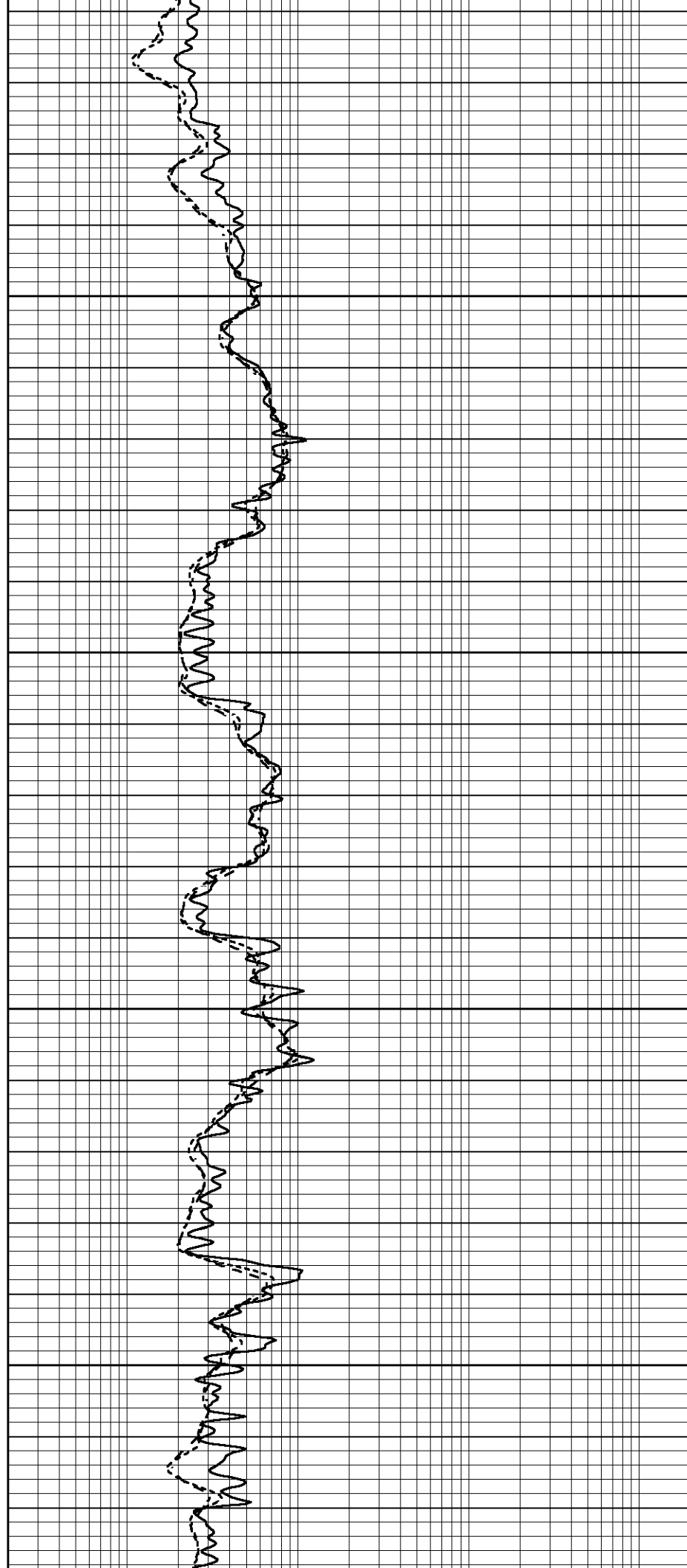


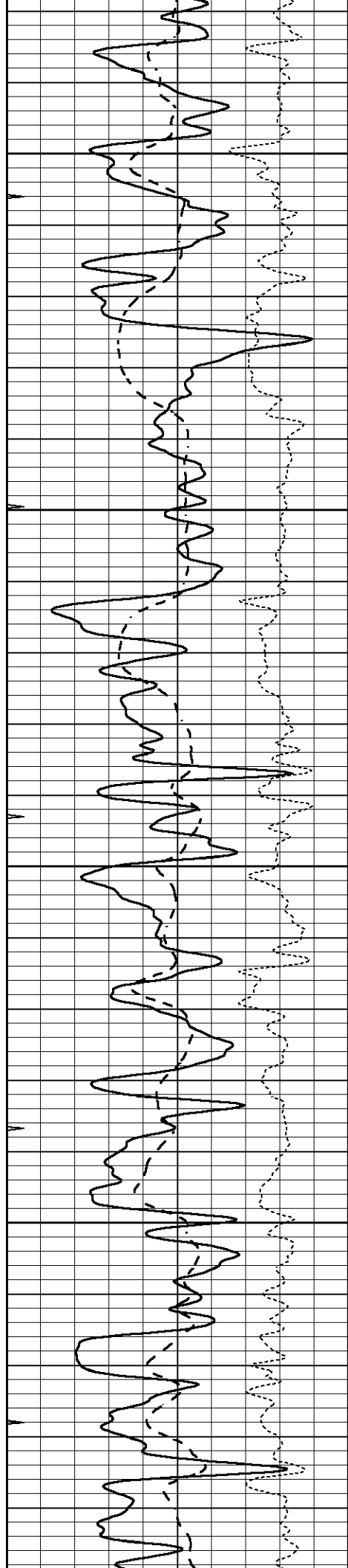
2200

2250

2300

2350



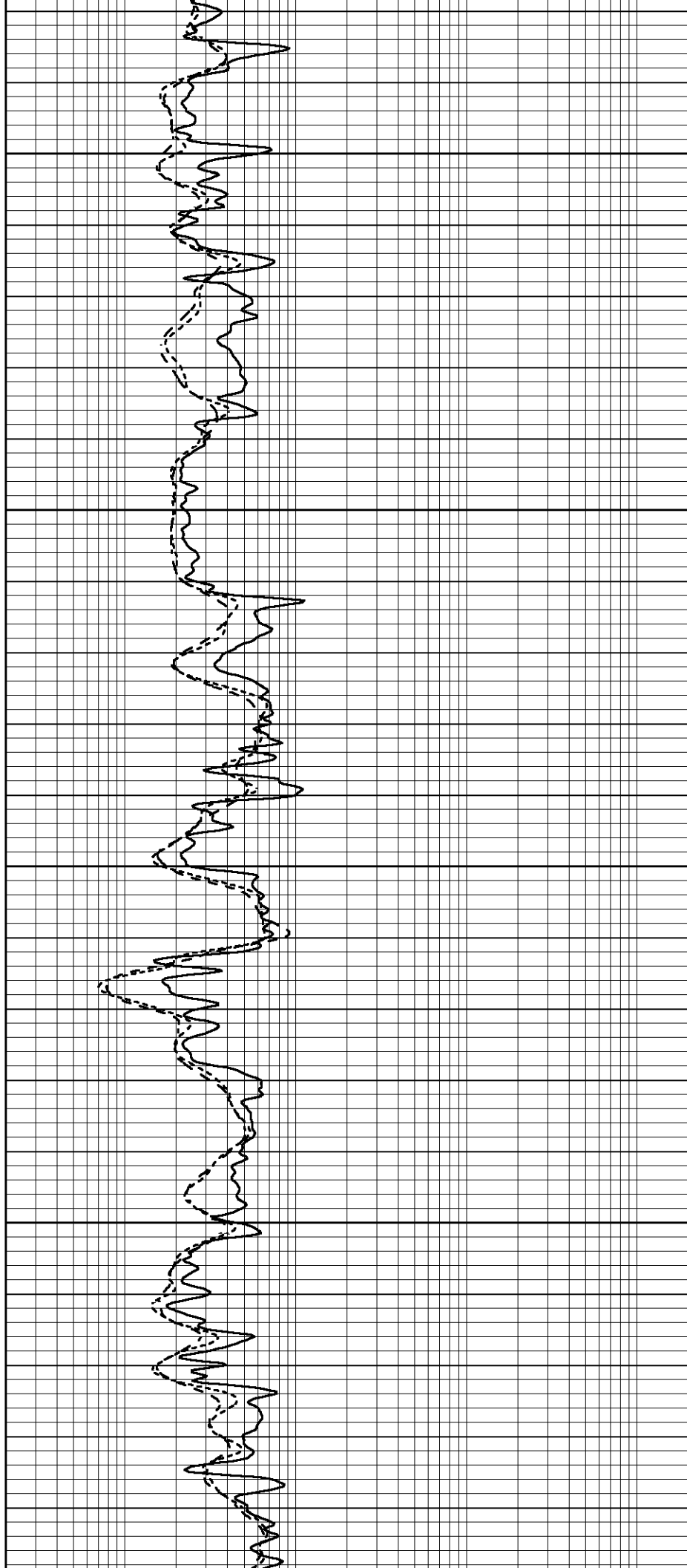


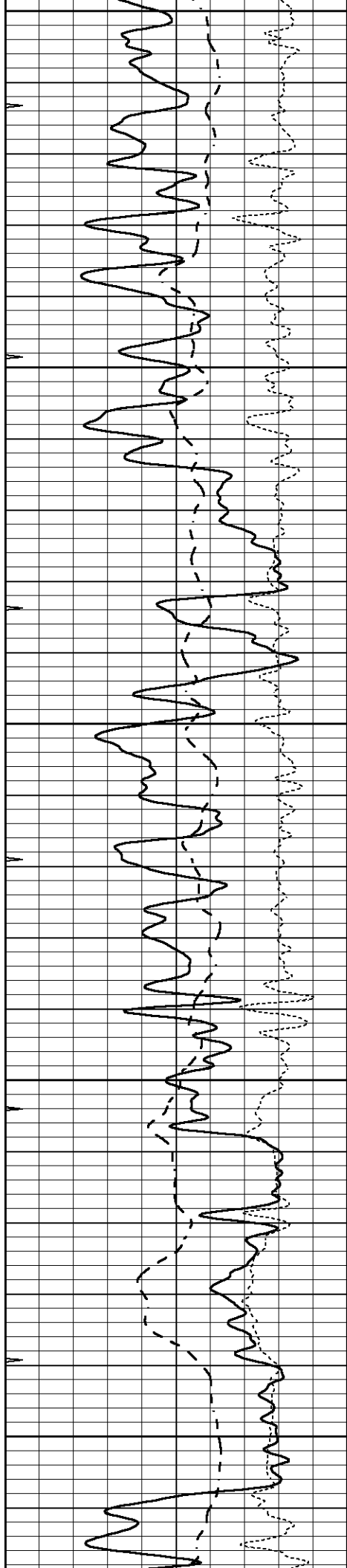
2400

2450

2500

2550





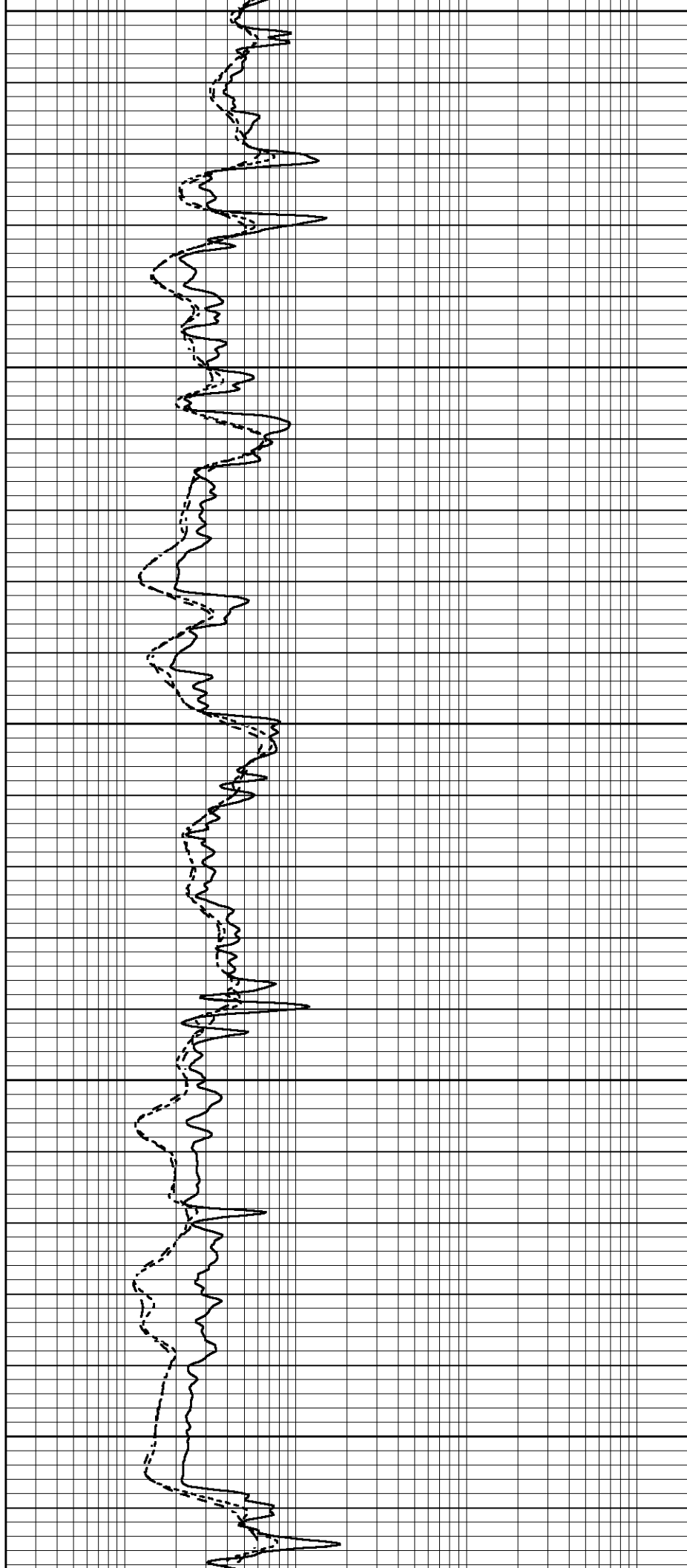
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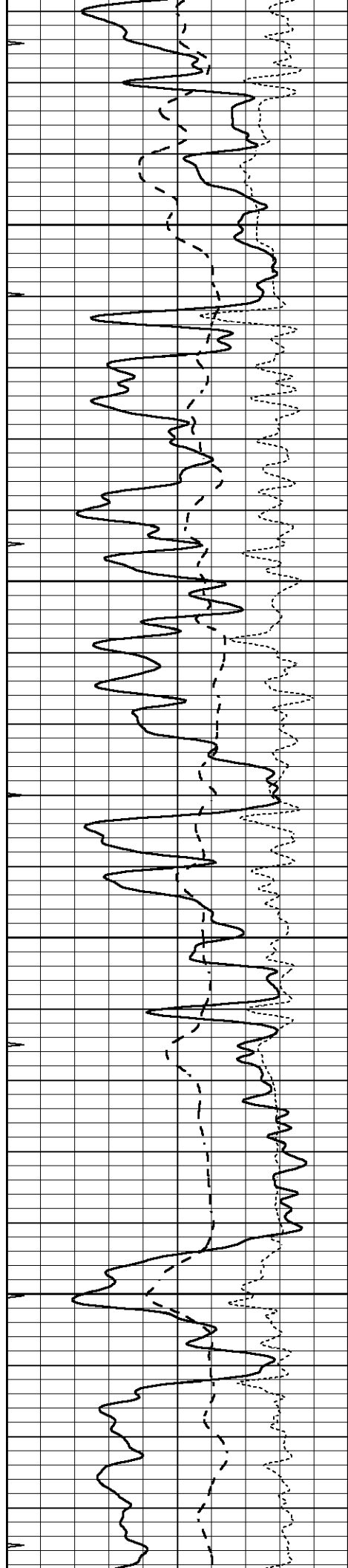
2650

2700

2750

2800



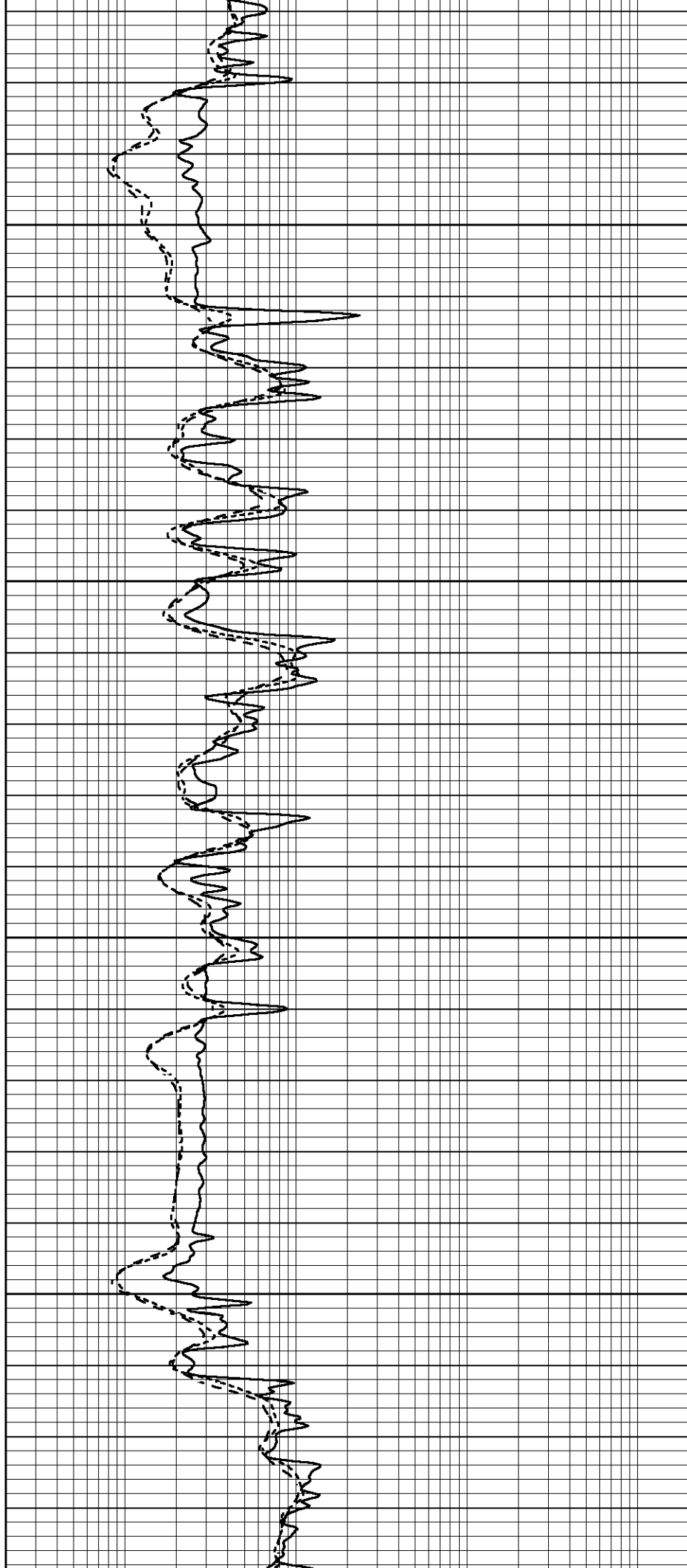


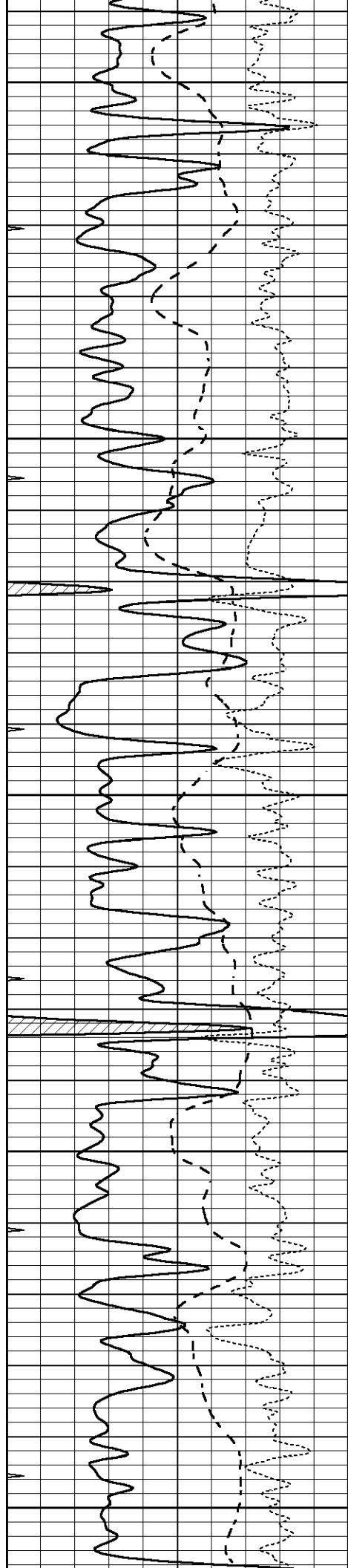
2850

2900

2950

3000





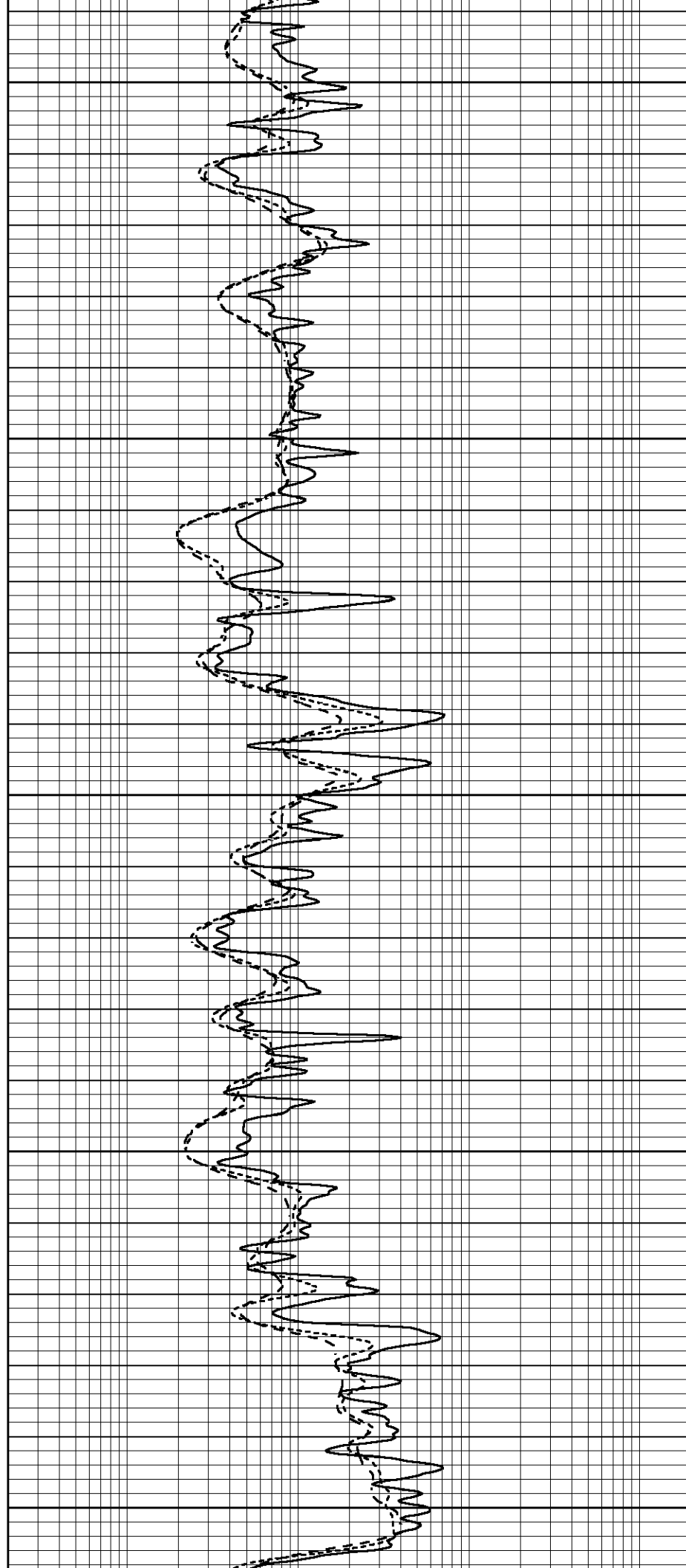
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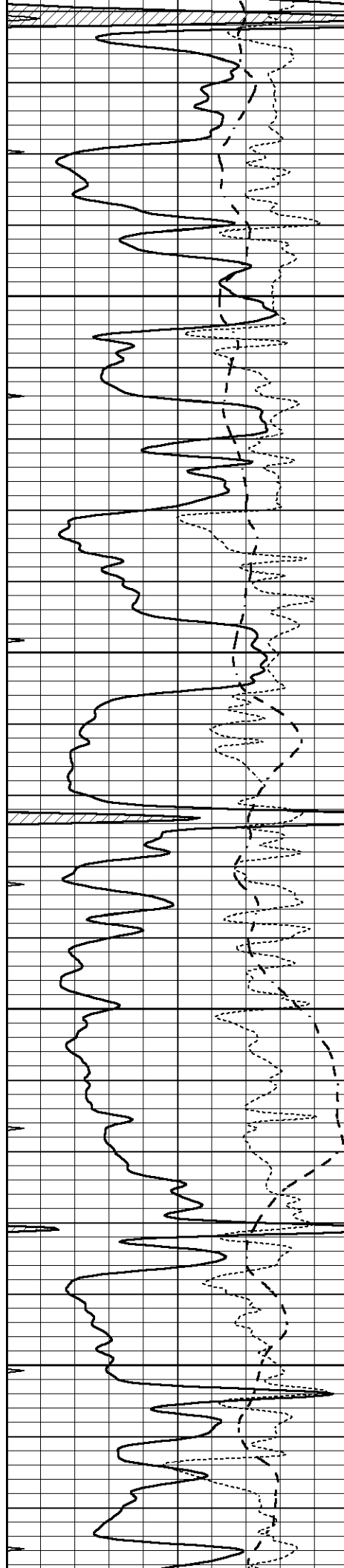
3100

3150

3200

3250



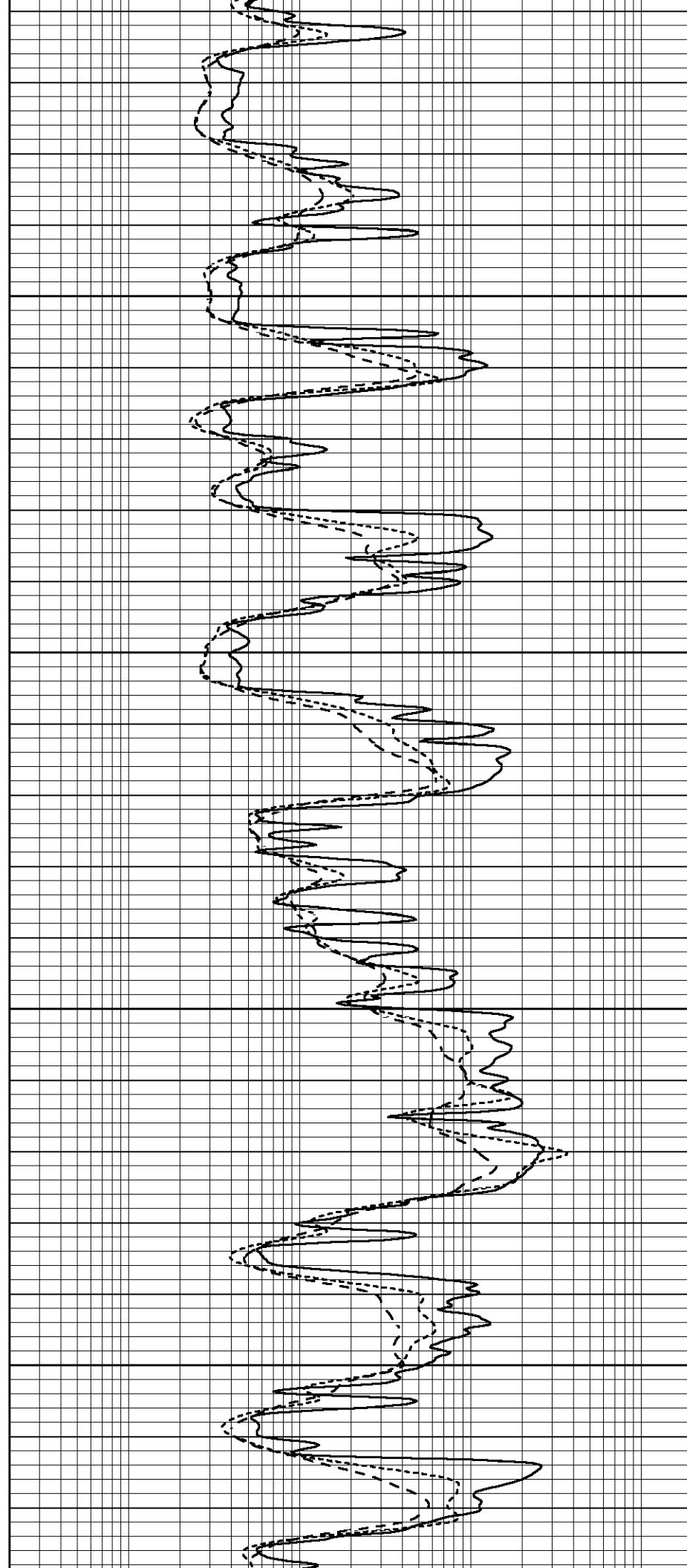


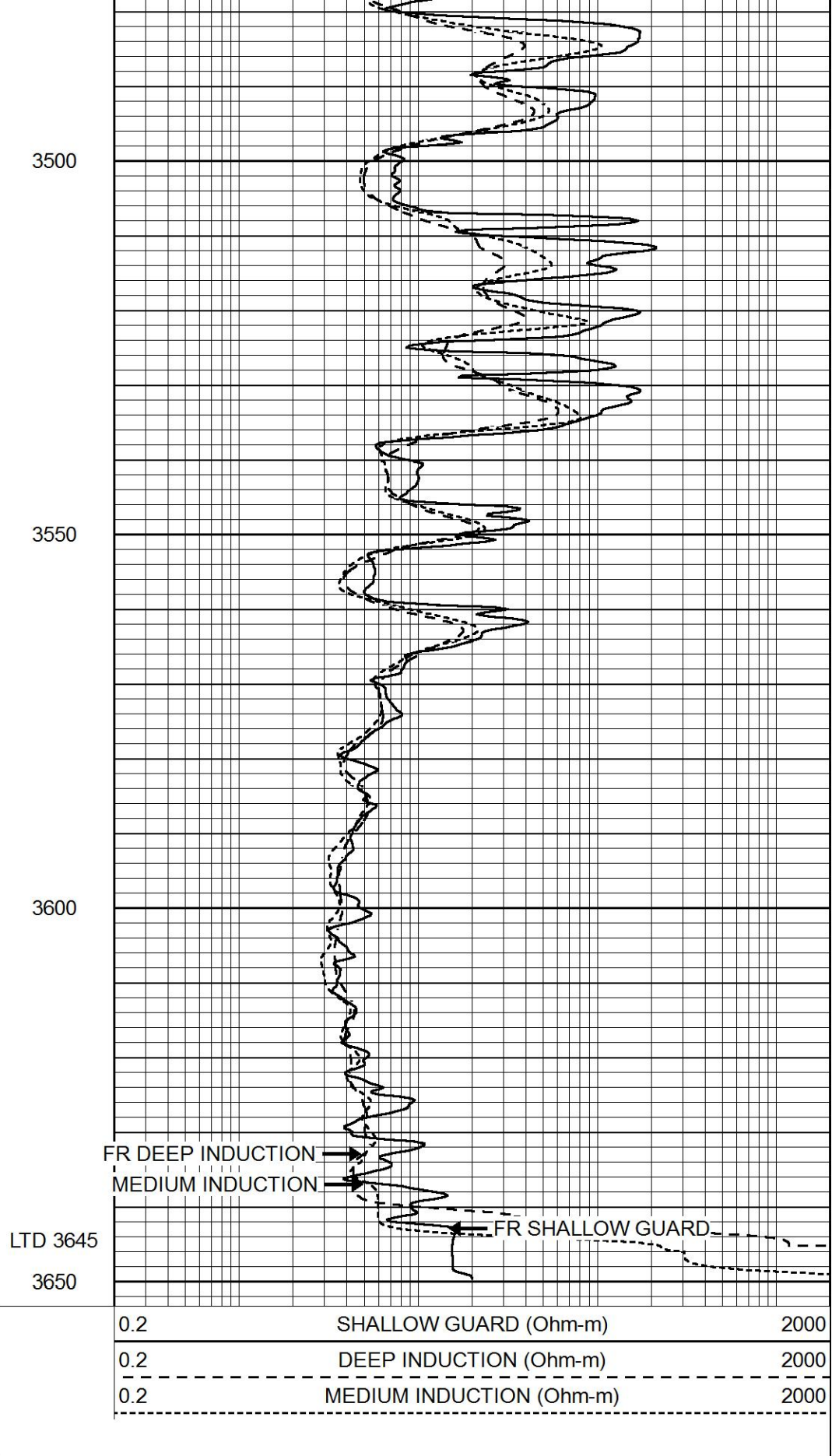
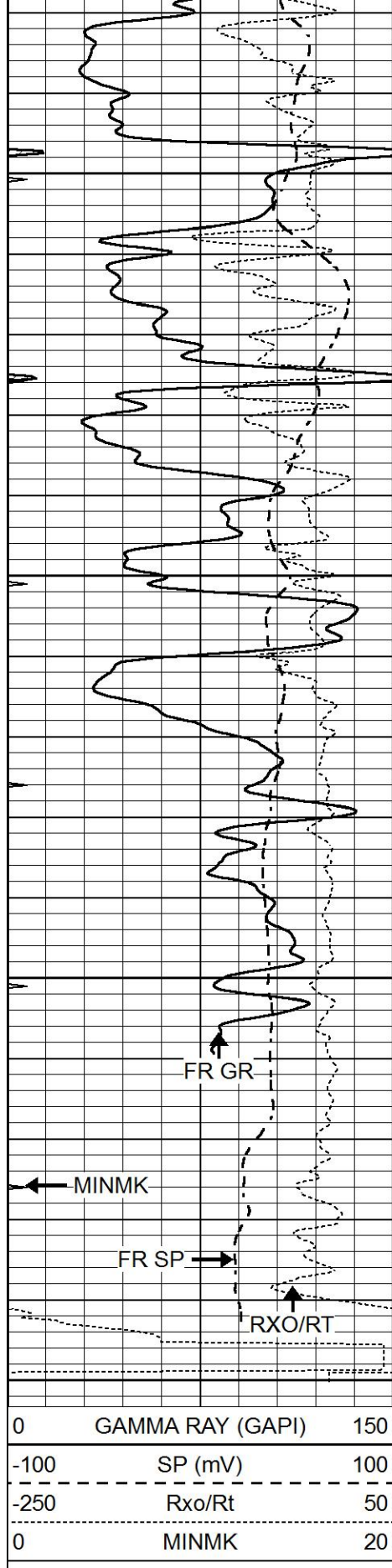
3300

3350

3400

3450



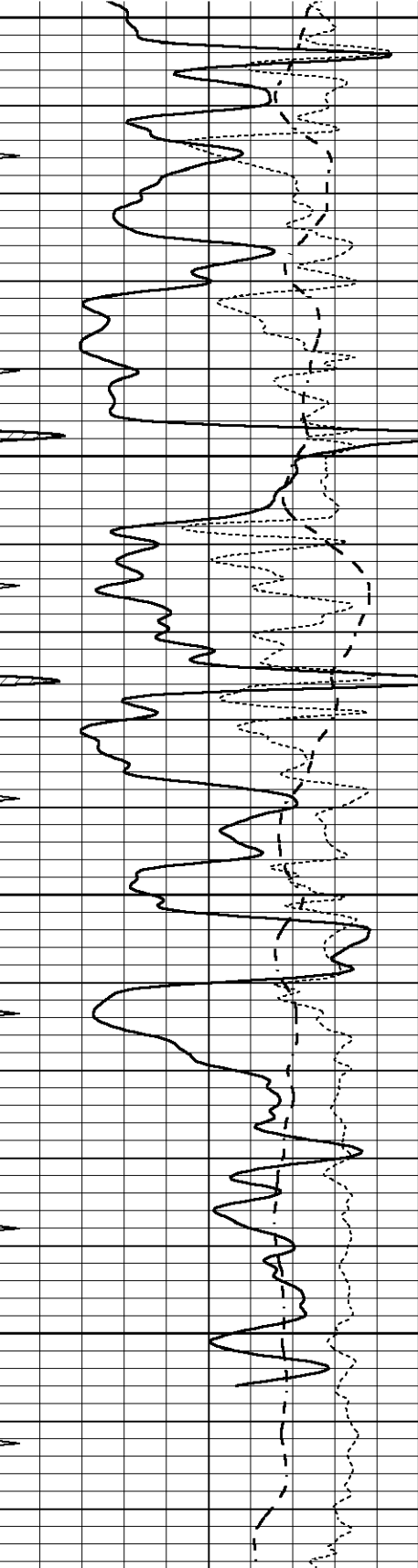


REPEAT SECTION

Database File 6924pe.db
Dataset Pathname pass2.1R
Presentation Format _dil
Dataset Creation Sun Sep 11 17:01:25 2022
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

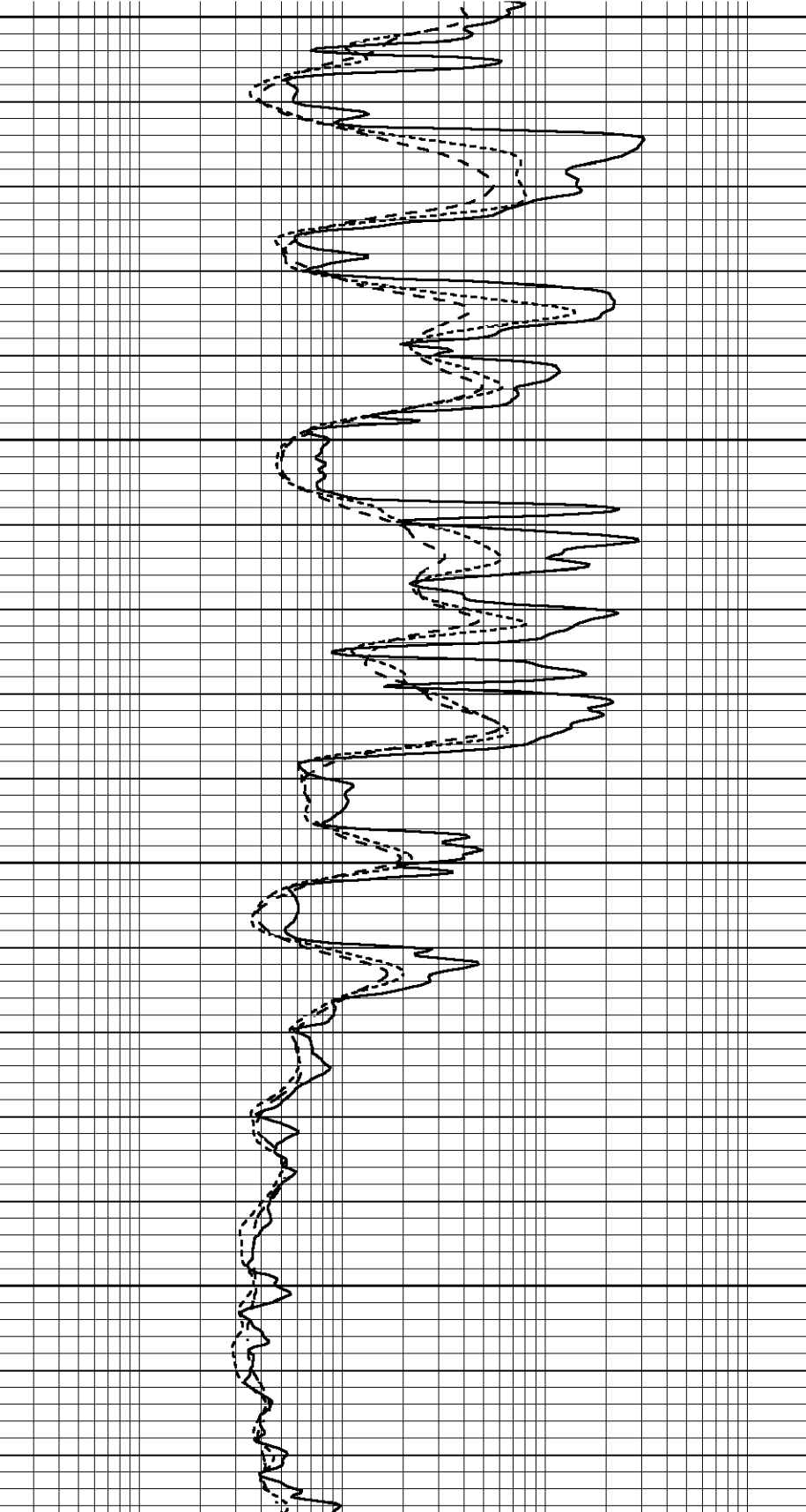


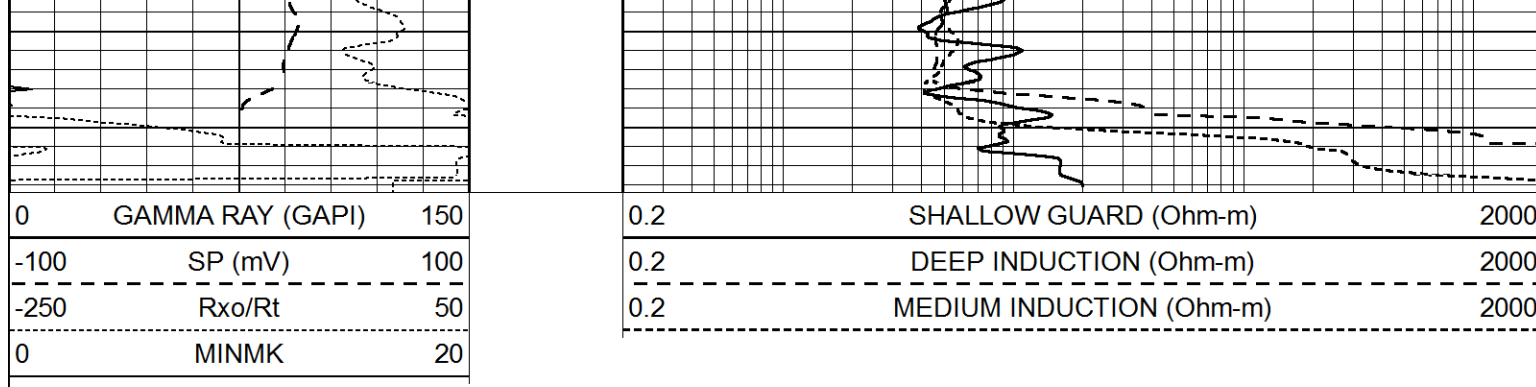
3450

3500

3550

3600





Calibration Report		
Database File	6924pe.db	
Dataset Pathname	pass3.1M	
Dataset Creation	Sun Sep 11 16:56:49 2022	

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Sat Sep 10 16:14:54 2022
Downhole Cal Performed:	Mon Jul 28 11:08:27 2008
After Survey Verification Performed:	Mon Jul 28 11:08:27 2008

Surface Calibration		Readings		References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	640.000	14.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	630.000	1.000
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
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
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Background	Magnesium	Aluminum	Aluminum+Fe
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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			
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			
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					
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Serial Number:	070558				
Tool Model:	OPEN_GR				
Performed:	Mon Sep 05 14:32:31 2022				

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps