

DUAL INDUCTION
LOG

Company SATCHELL CREEK PETROLEUM, LLC.
Well PLACE #A1-23
Field UNNAMED
County BUTLER State KANSAS

Location: API #: 15-015-24179-0000
732' FSL & 484' FEL
SW - NE - SE - SE
SEC 23 TWP 25S RGE 7E
Permanent Datum GROUND LEVEL Elevation 1477
Log Measured From KELLY BUSHING 6" A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
MEL/SON
Elevation
K.B. 1482
D.F. 1480
G.L. 1477

Date	11/25/22		
Run Number	ONE		
Depth Driller	3153		
Depth Logger	3147		
Bottom Logged Interval	3145		
Top Log Interval	00		
Casing Driller	8 5/8" @ 263		
Casing Logger	263		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3.000 PPM	
Density / Viscosity	9.0/68		
pH / Fluid Loss	11.4/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.700 @ 70F		
Rmf @ Meas. Temp	.525 @ 70F		
Rmc @ Meas. Temp	.840 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.454 @ 108F		
Time Circulation Stopped	7 HOURS		
Time Logger on Bottom	12:30 A.M.		
Maximum Recorded Temperature	108F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	CHRIS LEIKER		

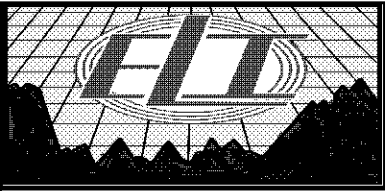
<<< Fold Here >>>

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

THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

DIRECTIONS:
FROM ROSALIA, GO NORTH 2.5 MILES ON FLINT HILLS ROAD, WEST INTO

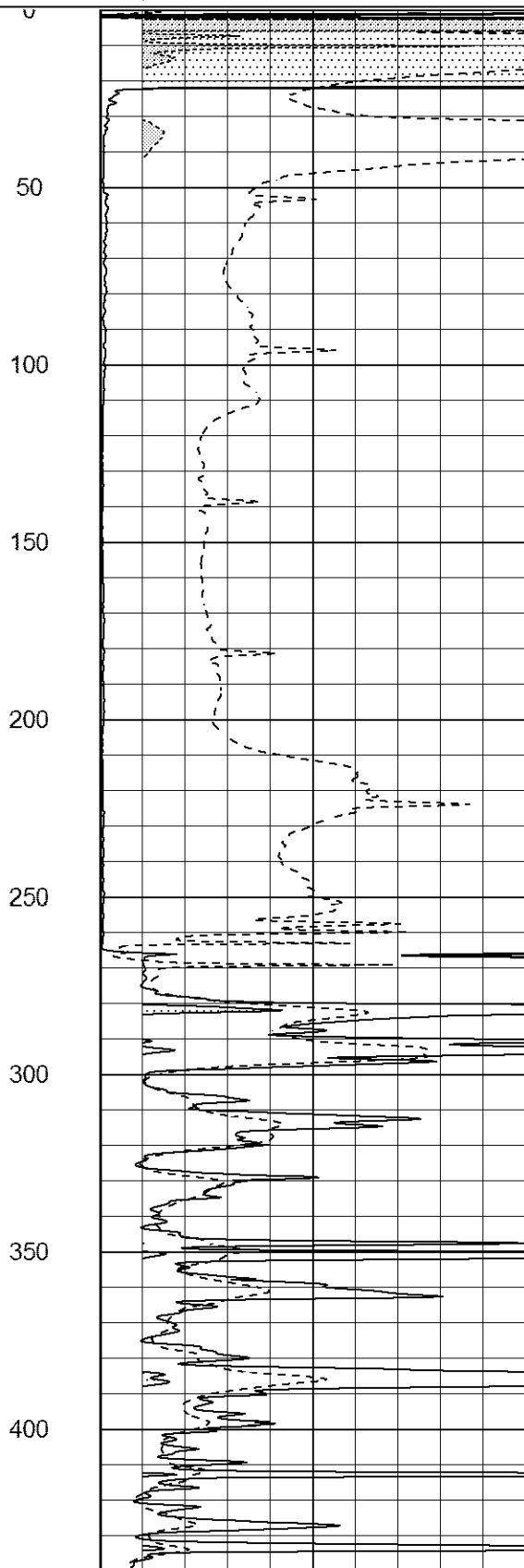
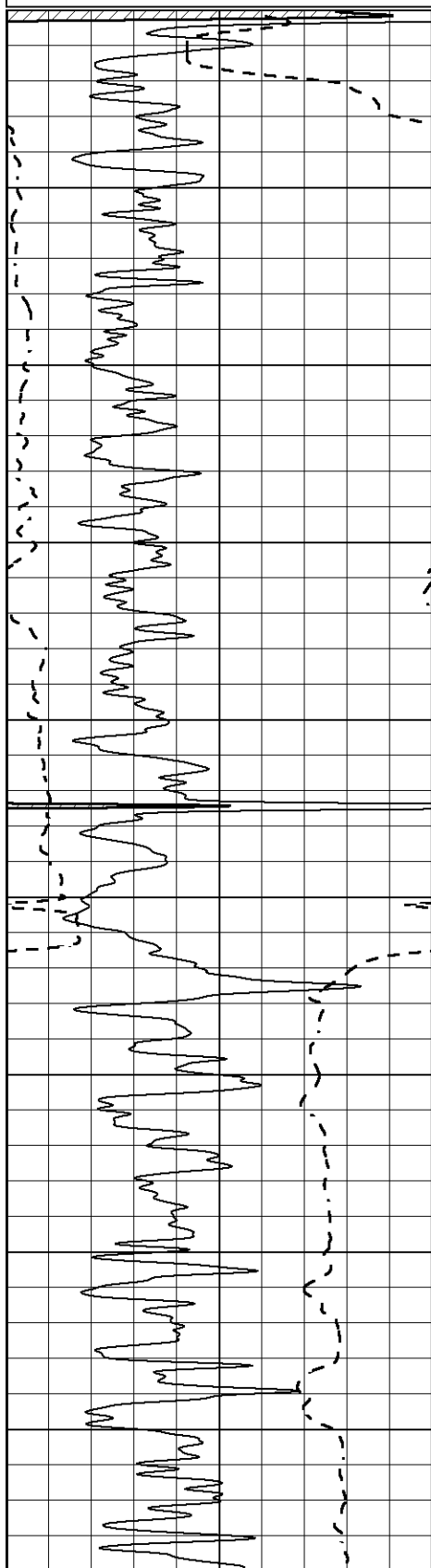


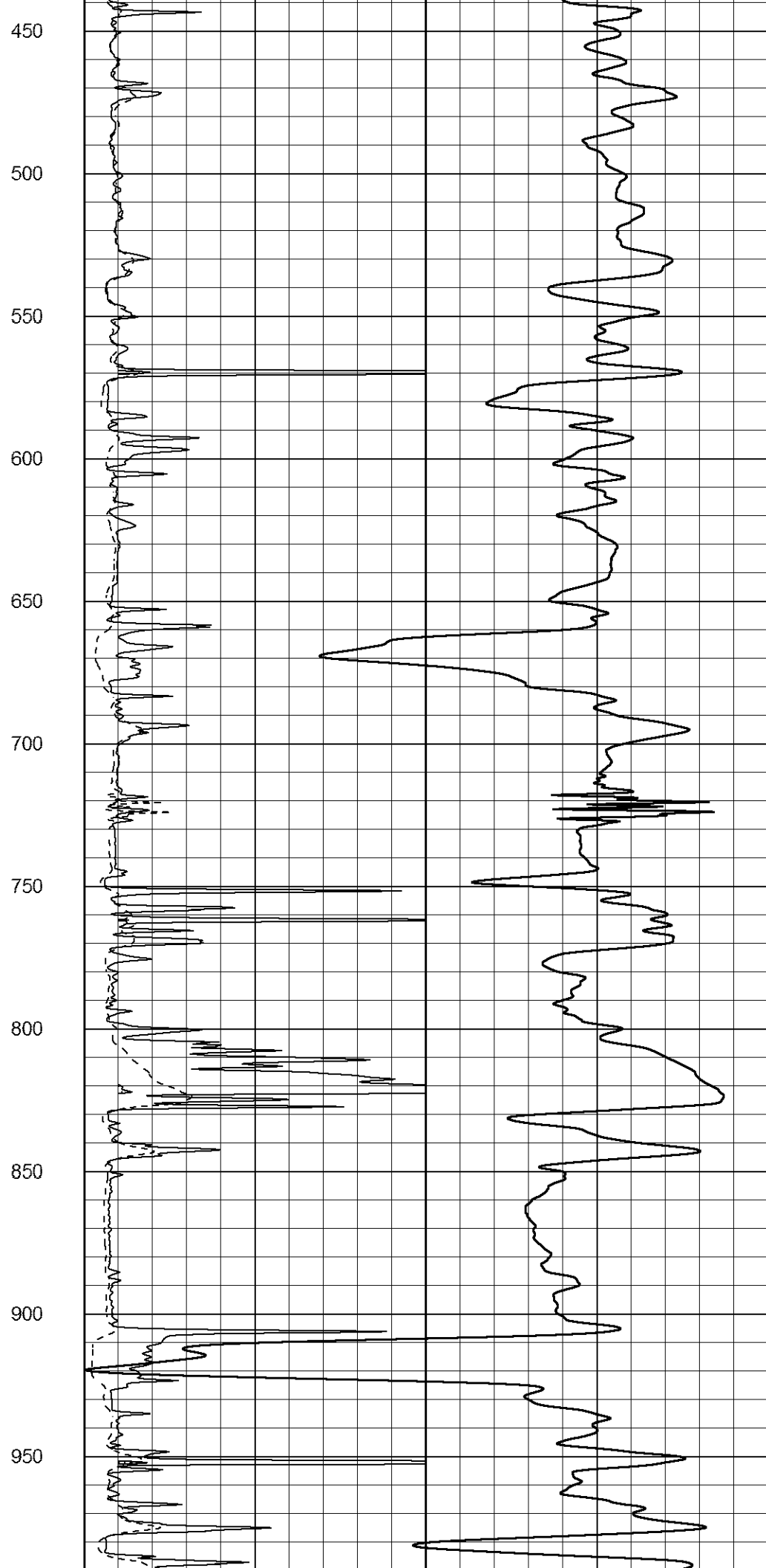
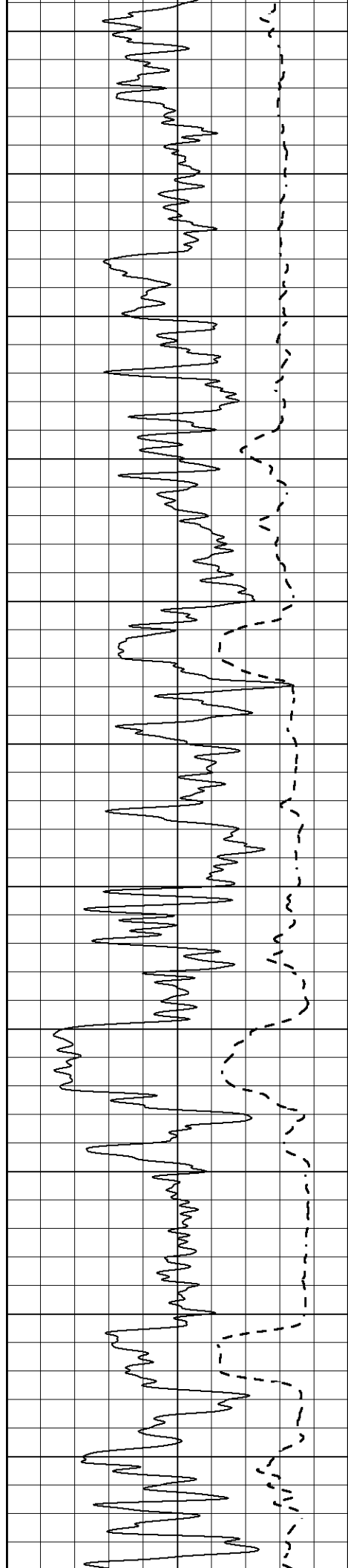
MAIN SECTION

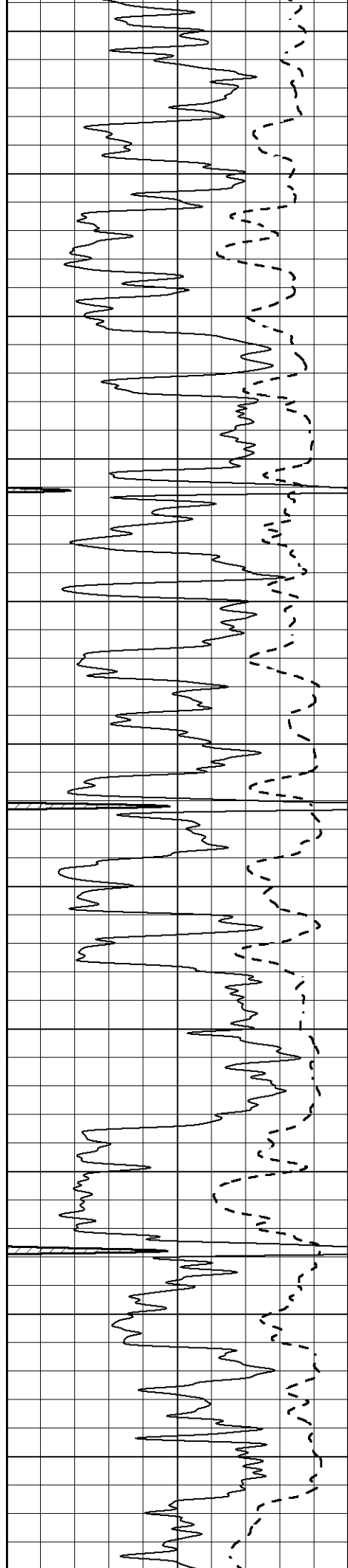
Database File 7381pe.db
Dataset Pathname pass3.4
Presentation Format _dil2
Dataset Creation Fri Nov 25 03:31:30 2022
Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

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







1000

1050

1100

1150

1200

1250

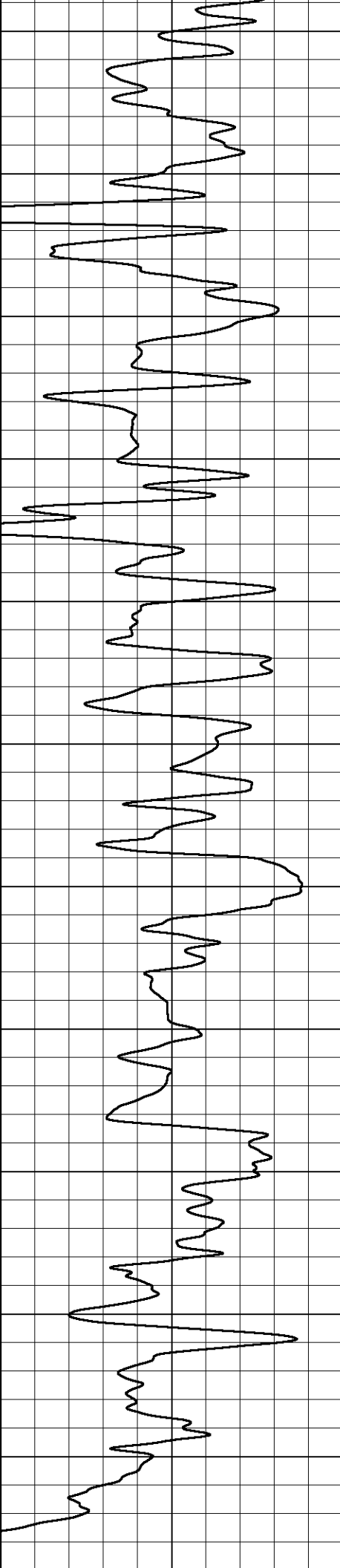
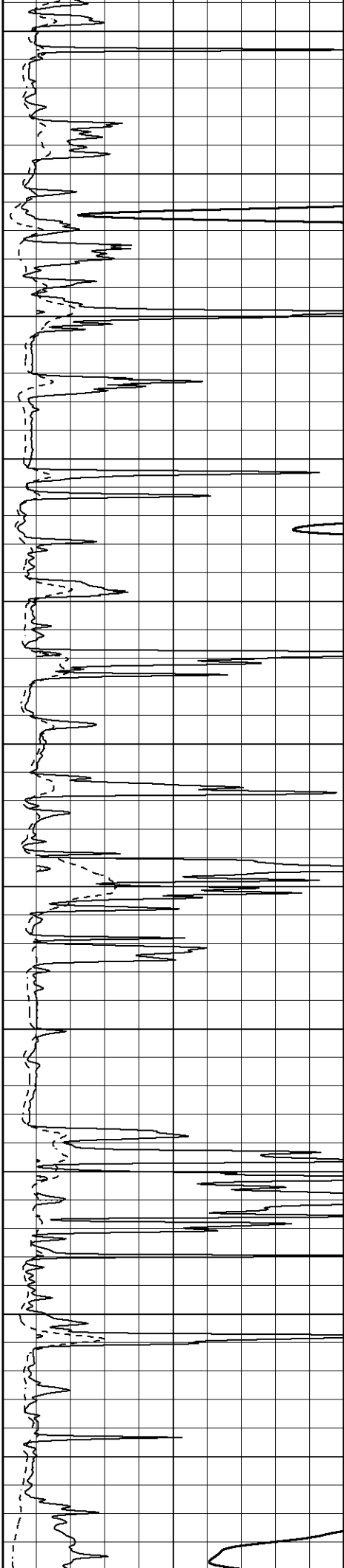
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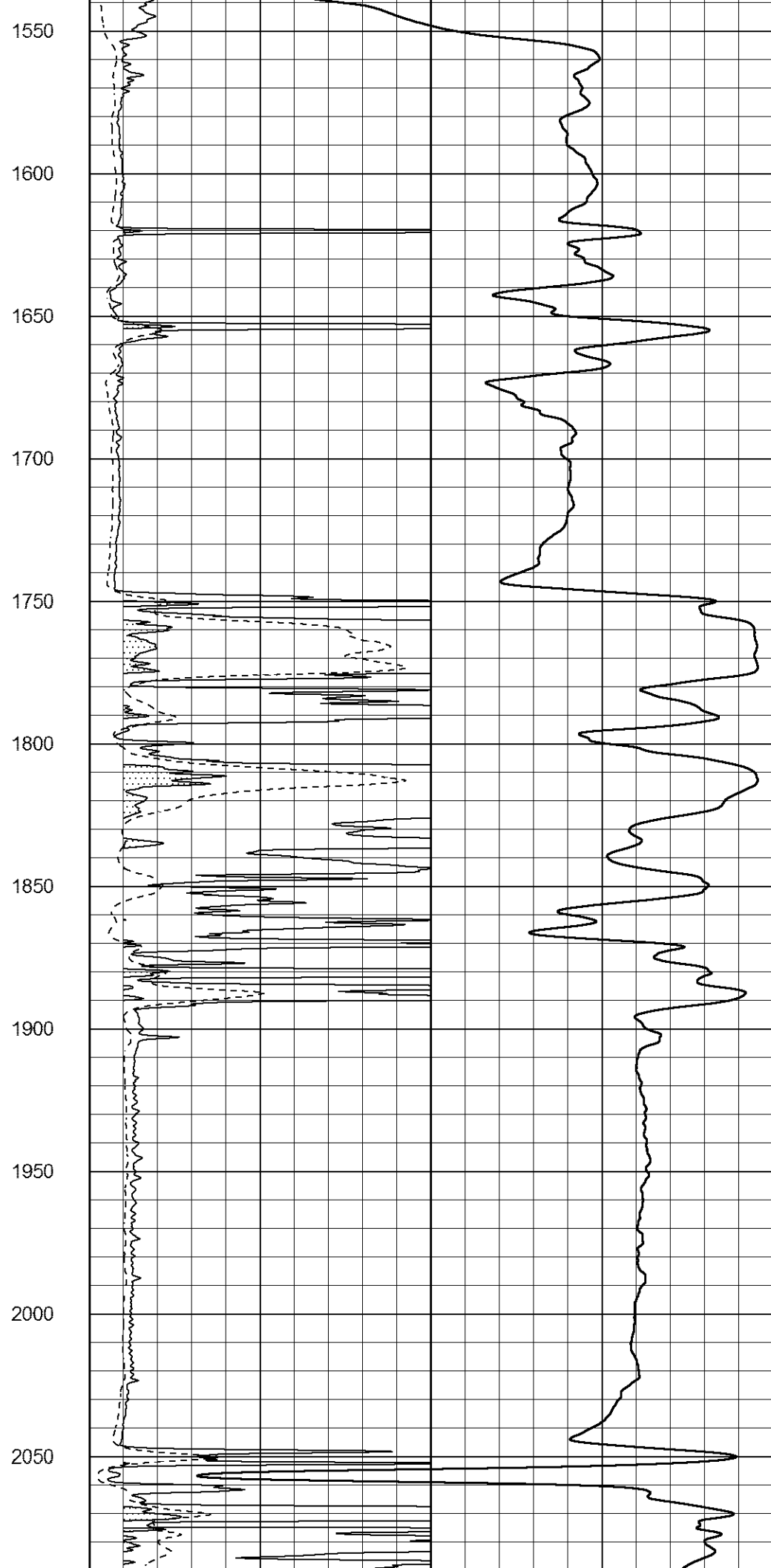
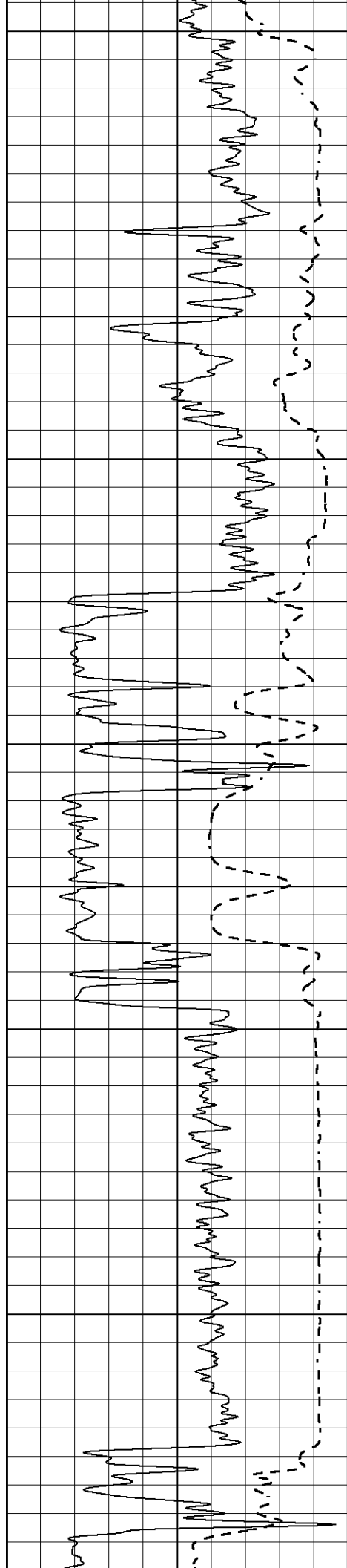
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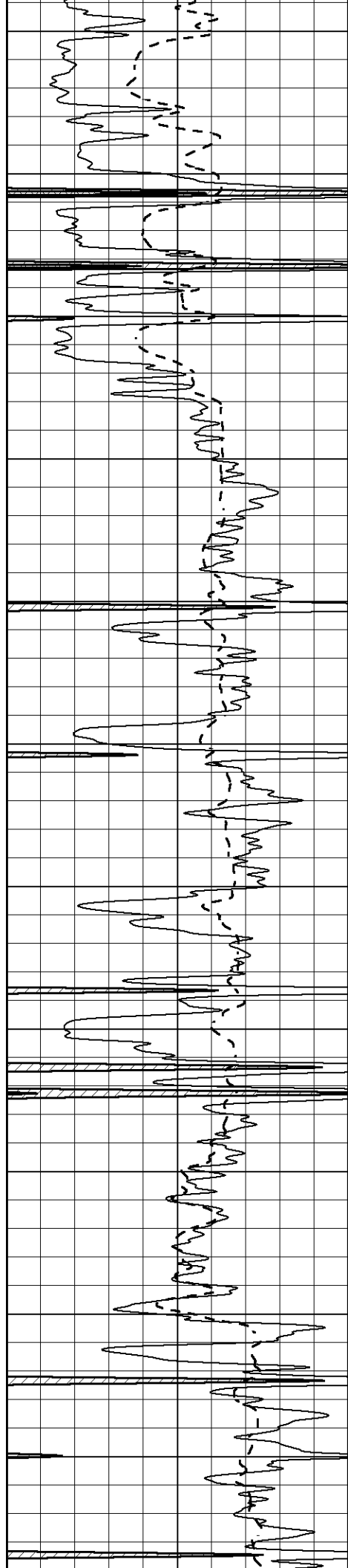
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1450

1500







2100

2150

2200

2250

2300

2350

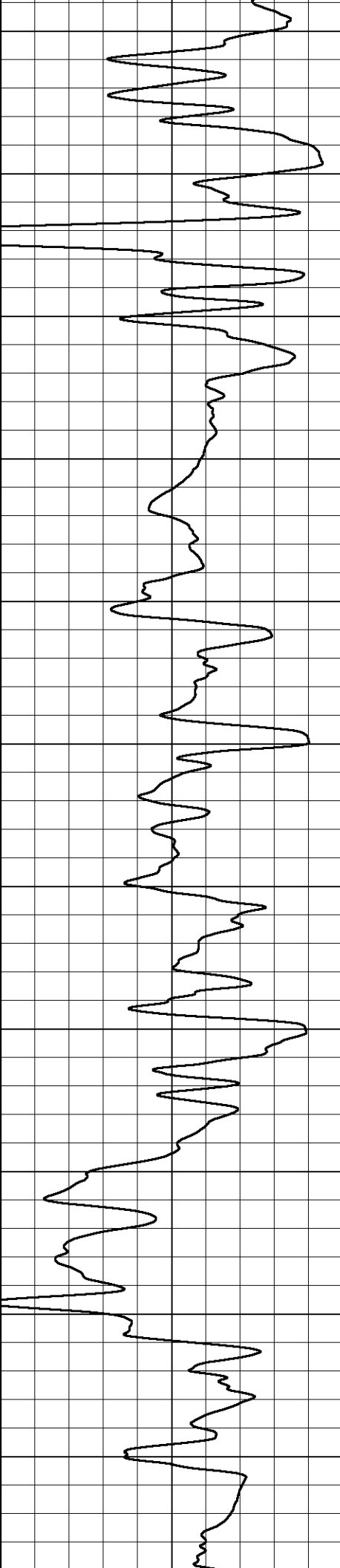
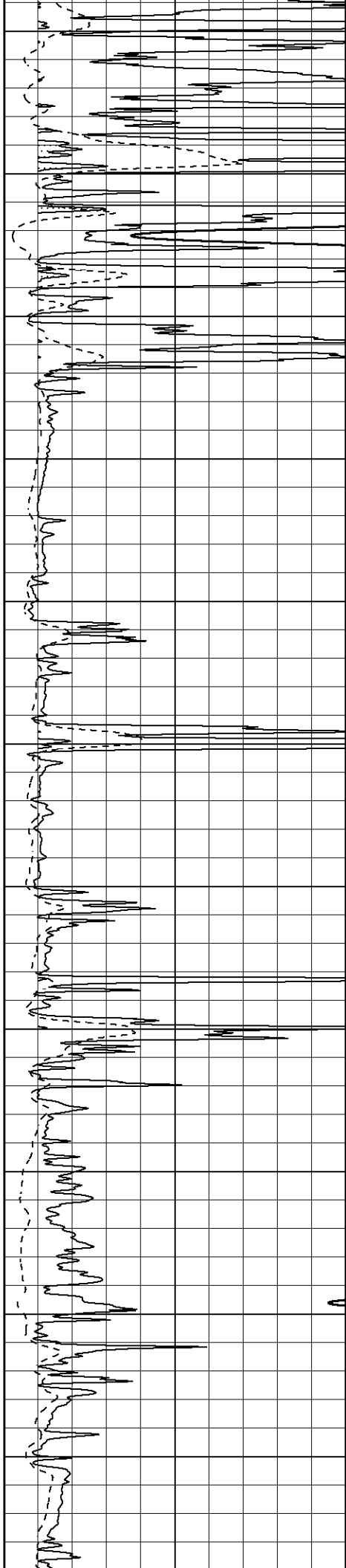
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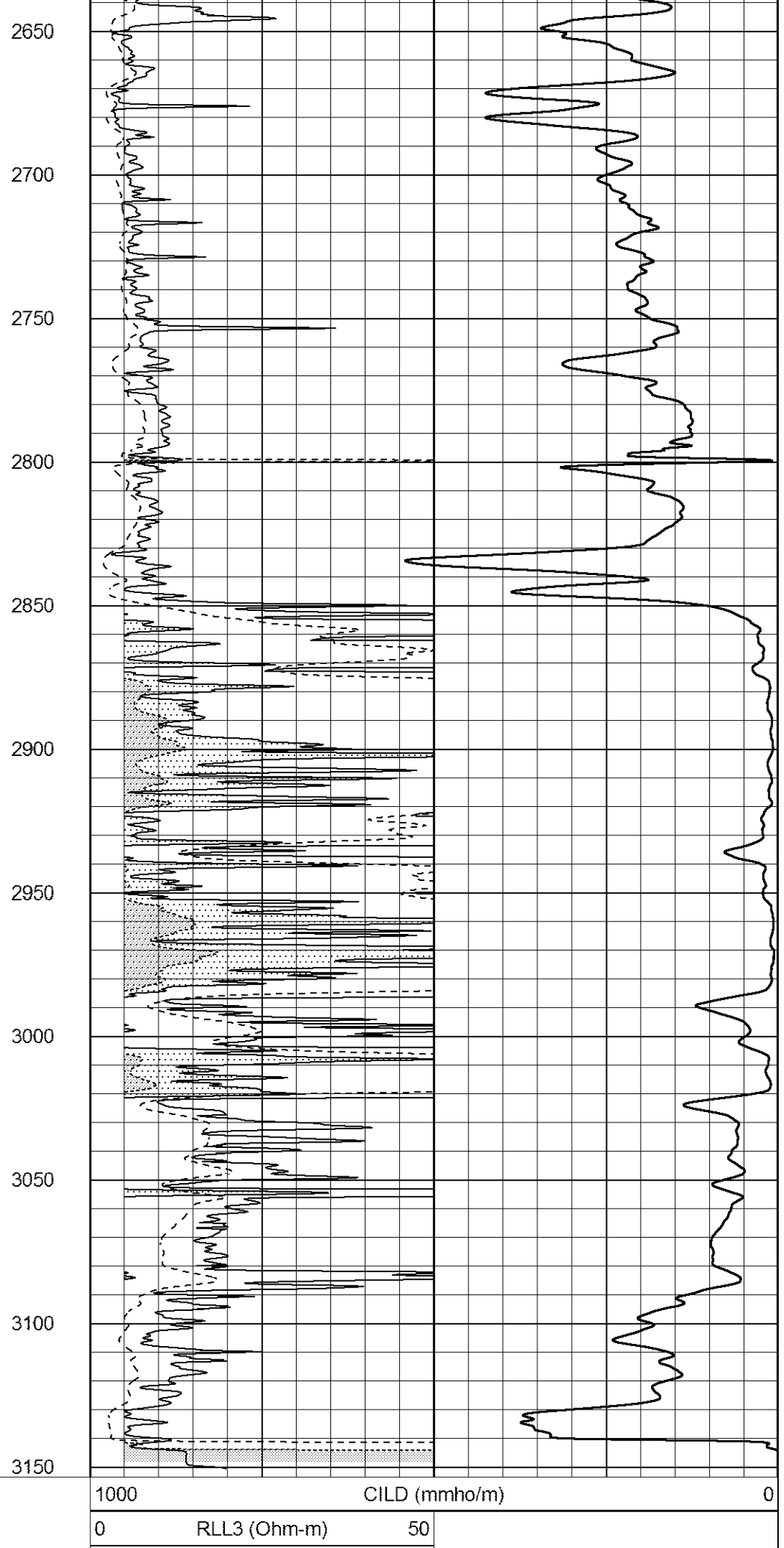
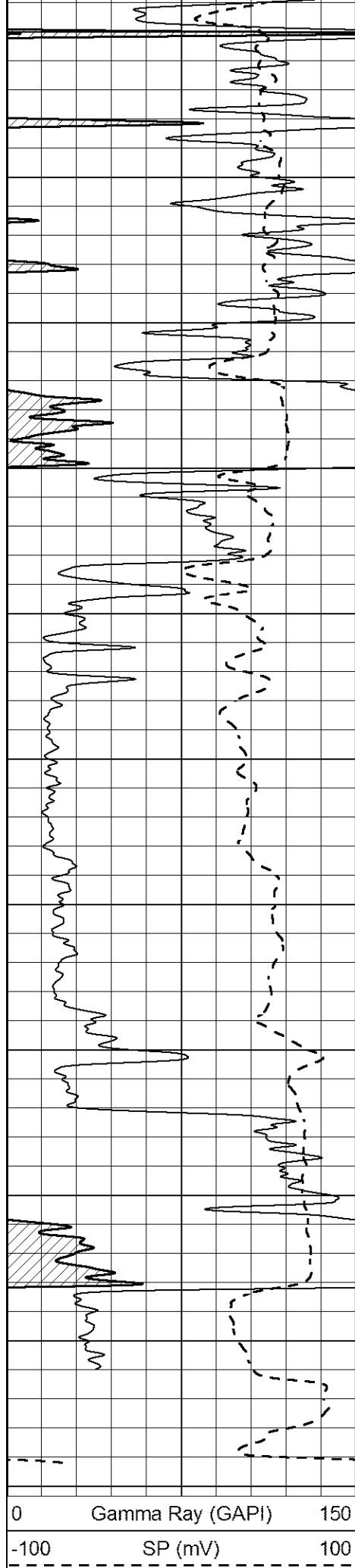
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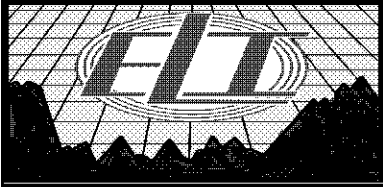
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2600





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

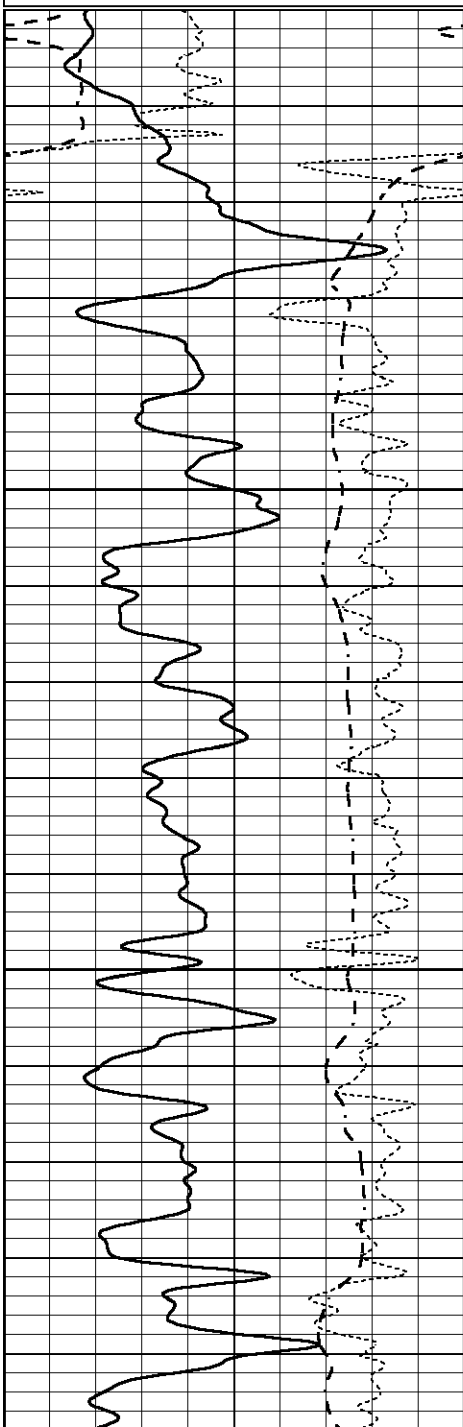


MAIN SECTION

Database File 7381pe.db
 Dataset Pathname pass3.4
 Presentation Format _dil
 Dataset Creation Fri Nov 25 03:31:30 2022
 Charted by Depth in Feet scaled 1:240

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

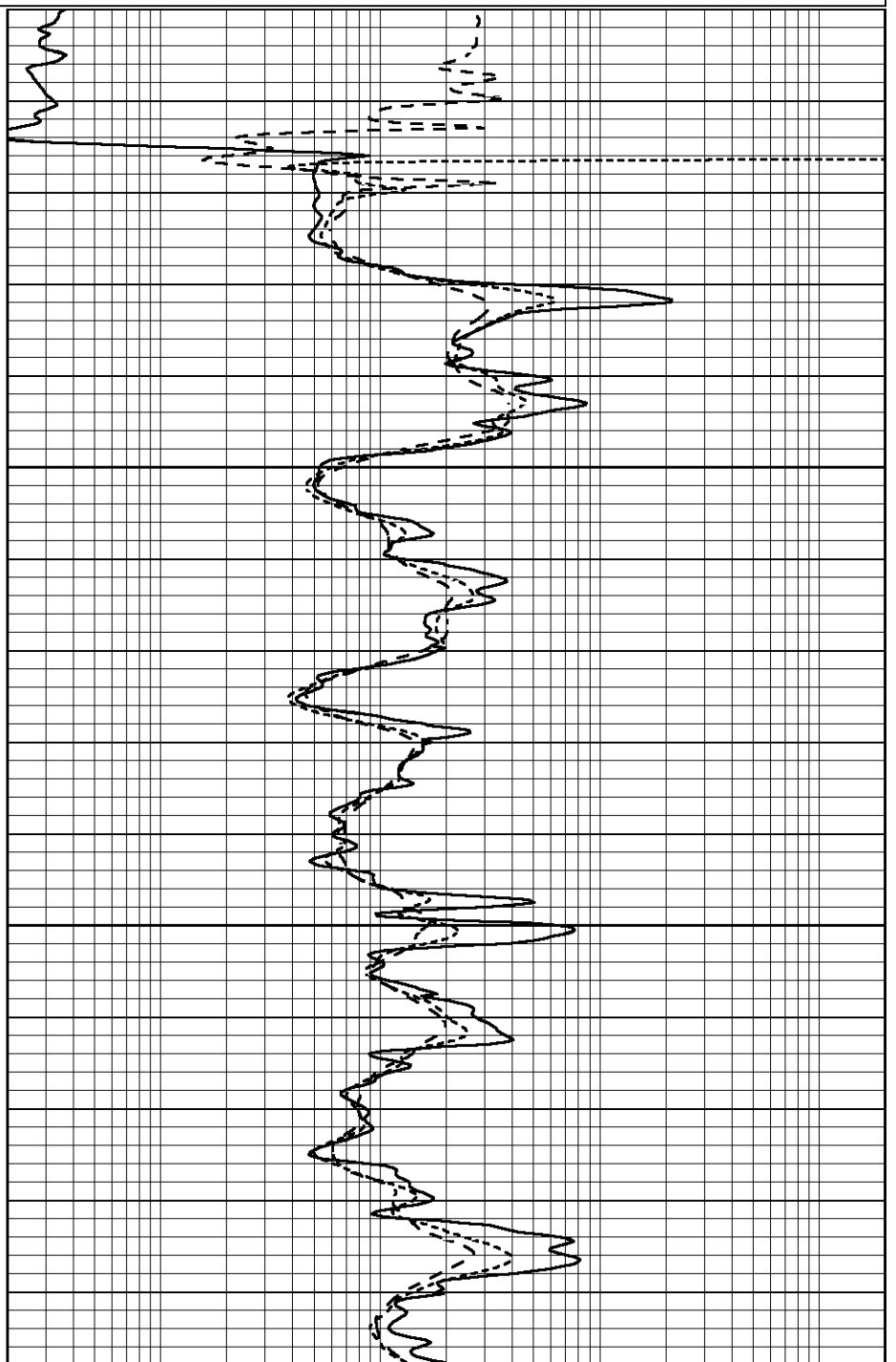
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

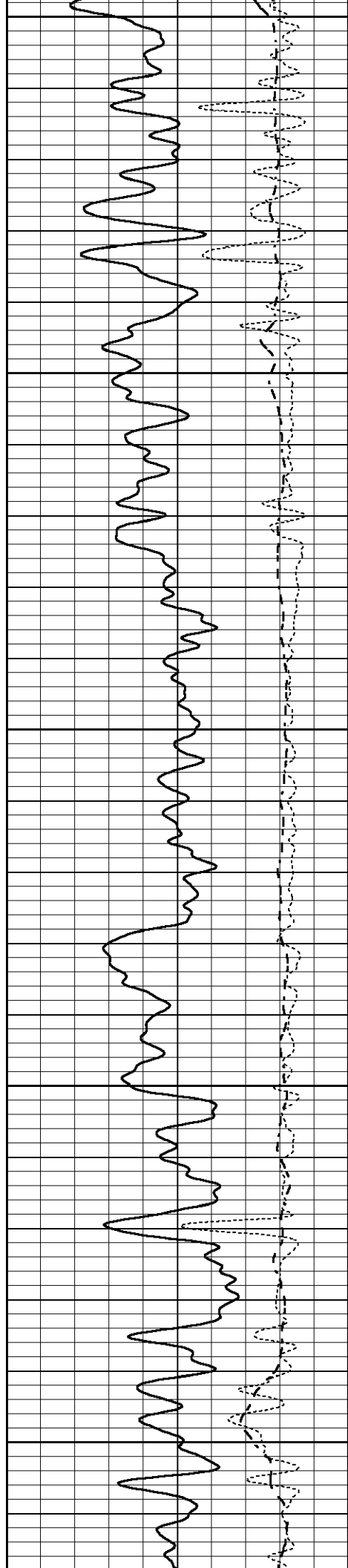


250

300

350





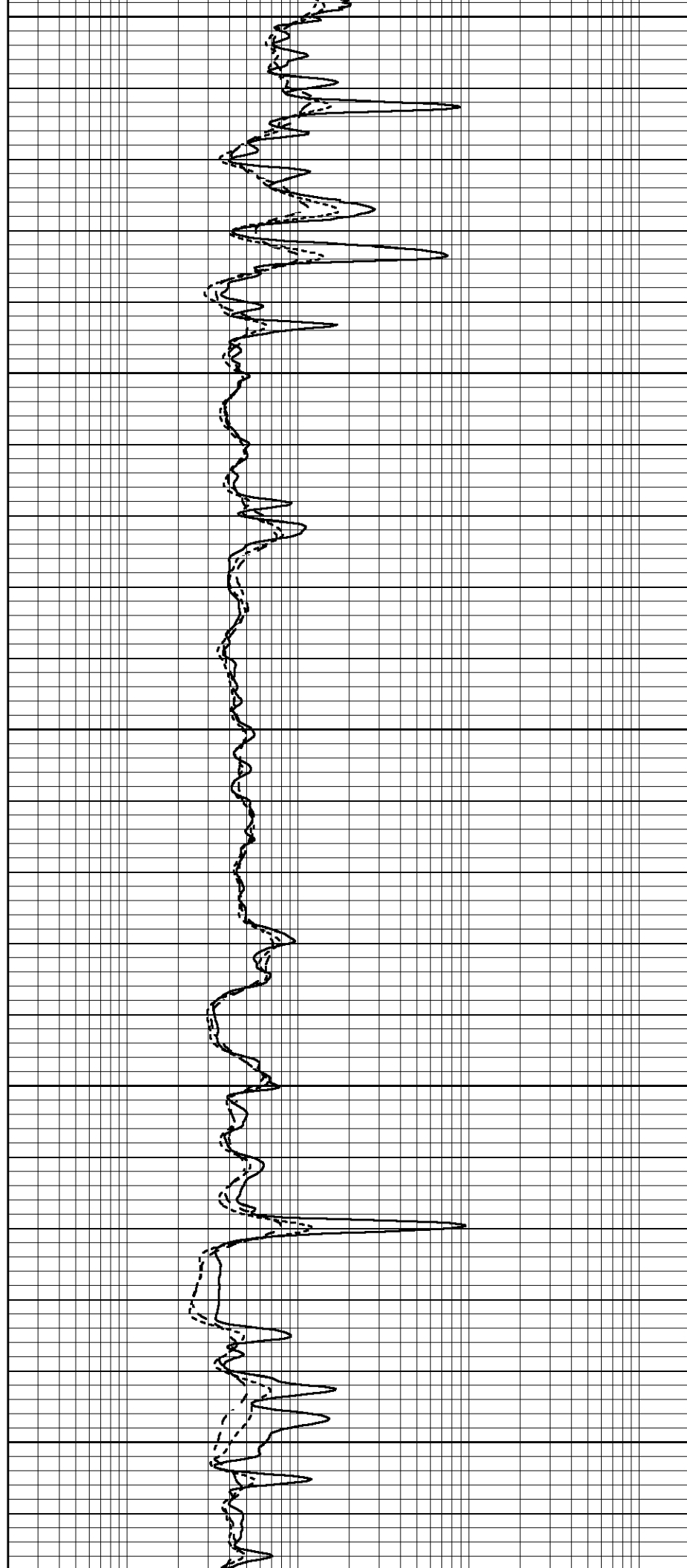
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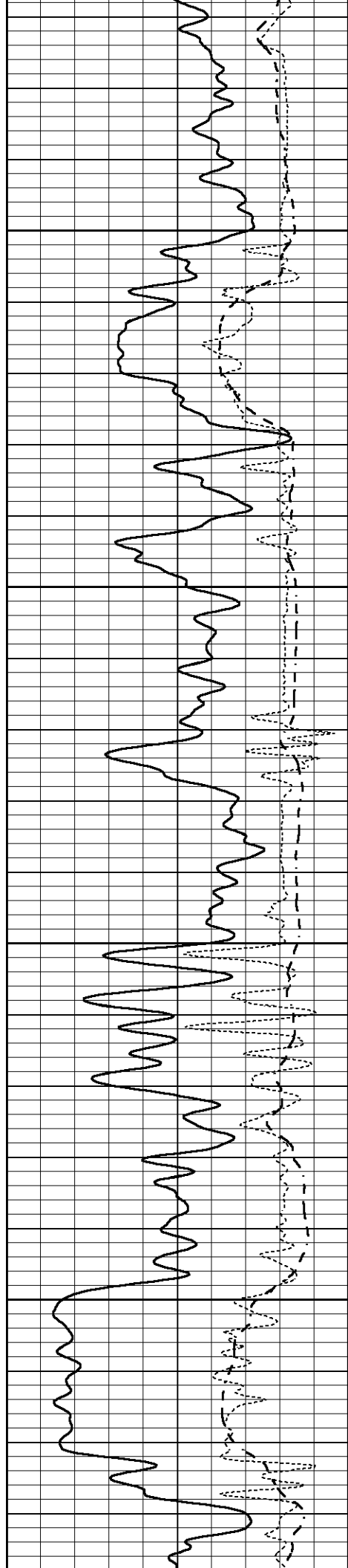
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500

550

600



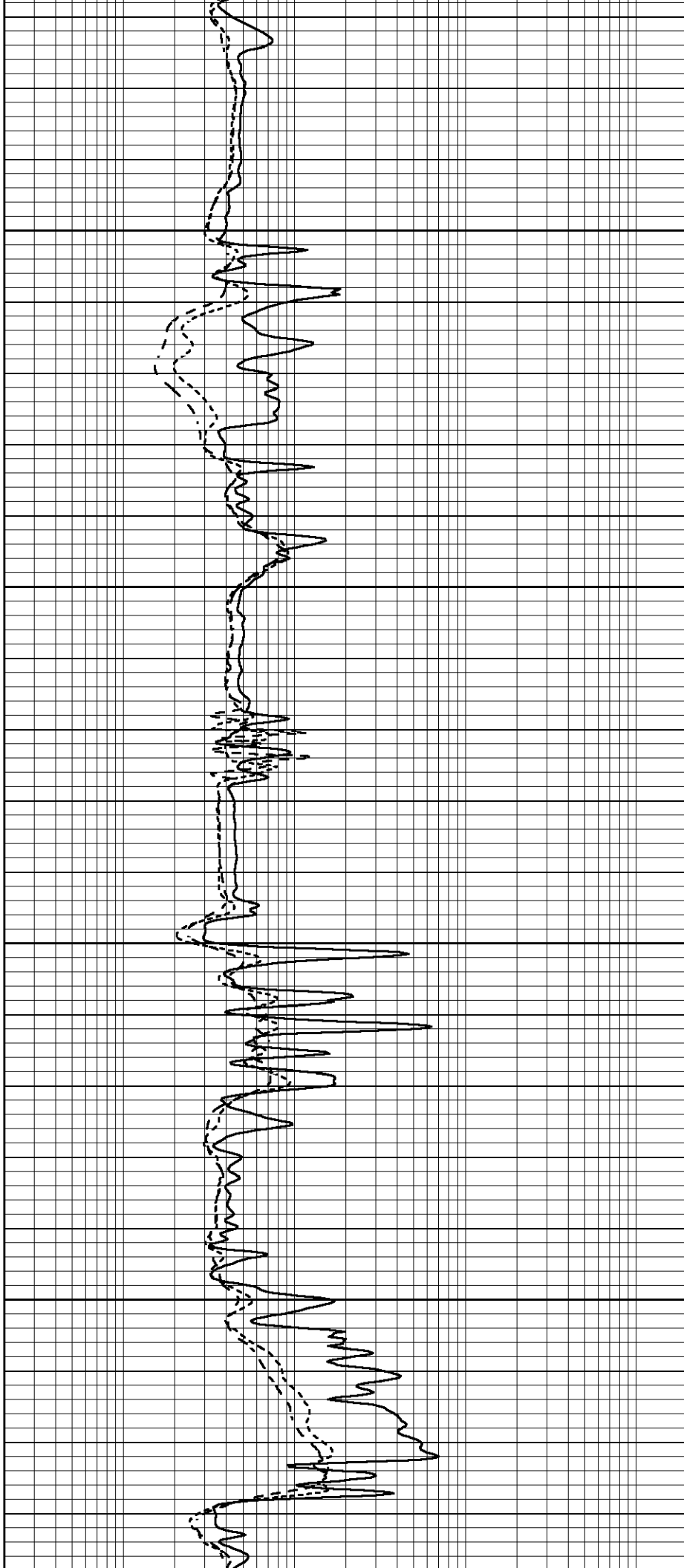


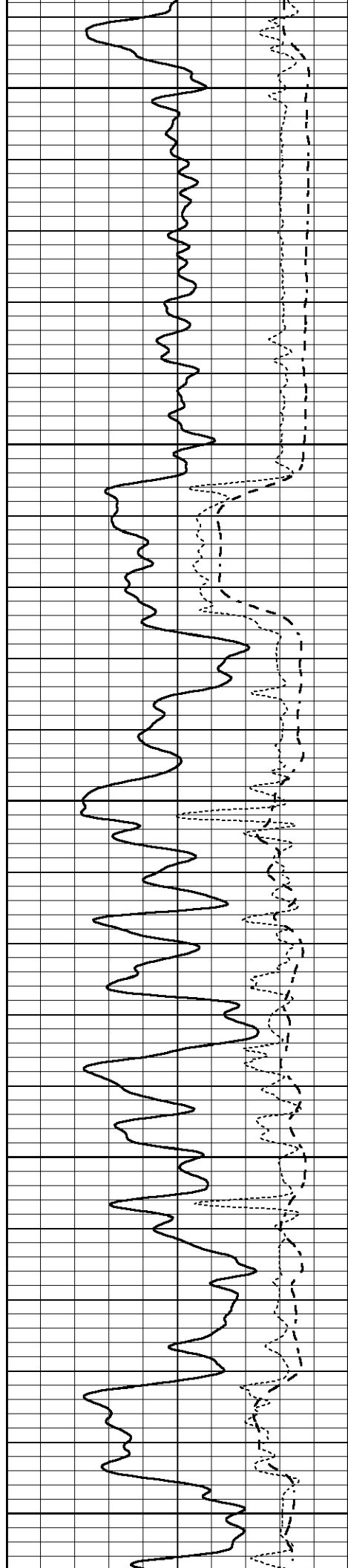
650

700

750

800





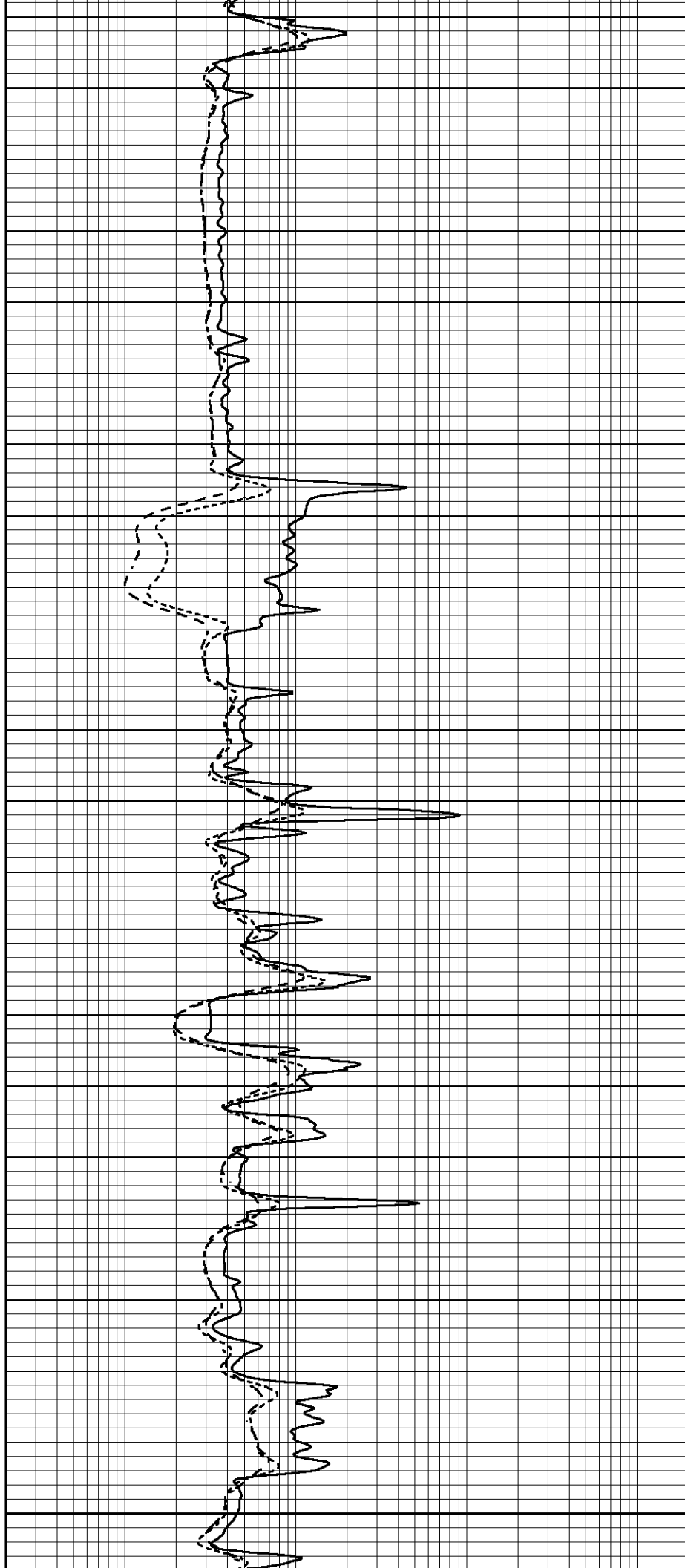
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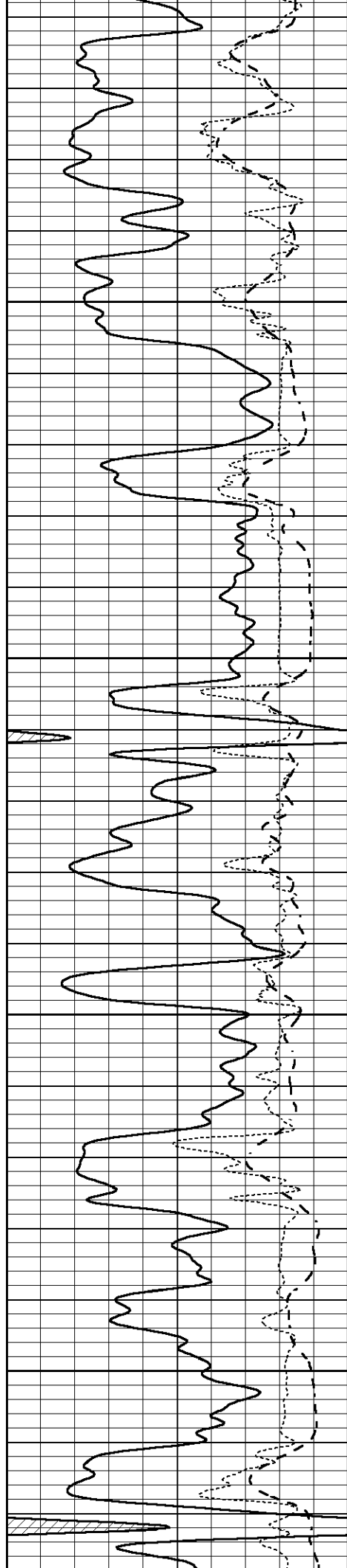
900

950

1000

1050



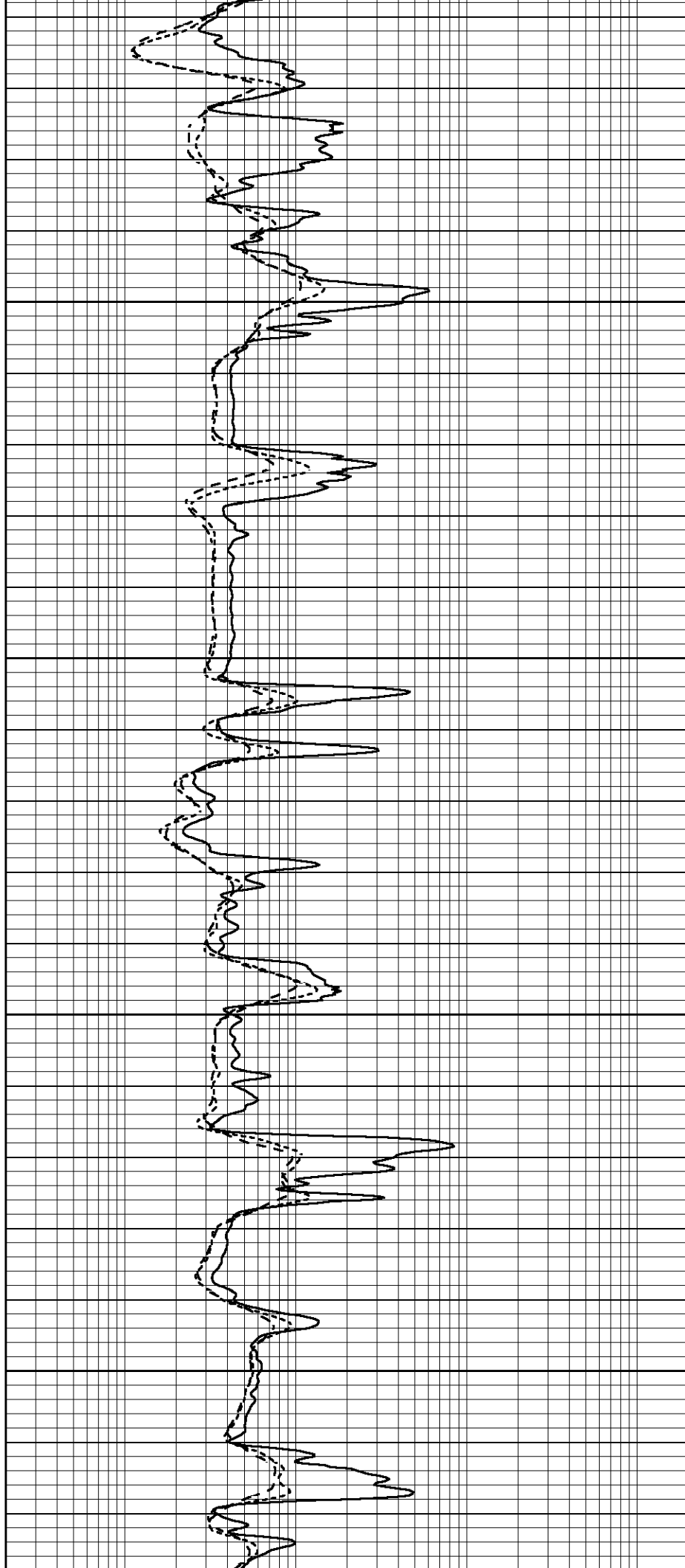


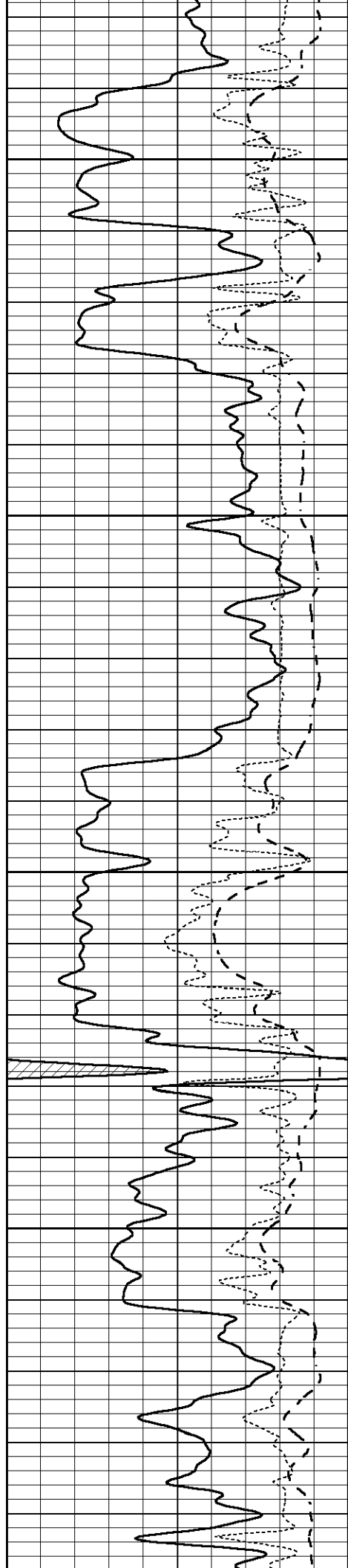
1100

1150

1200

1250



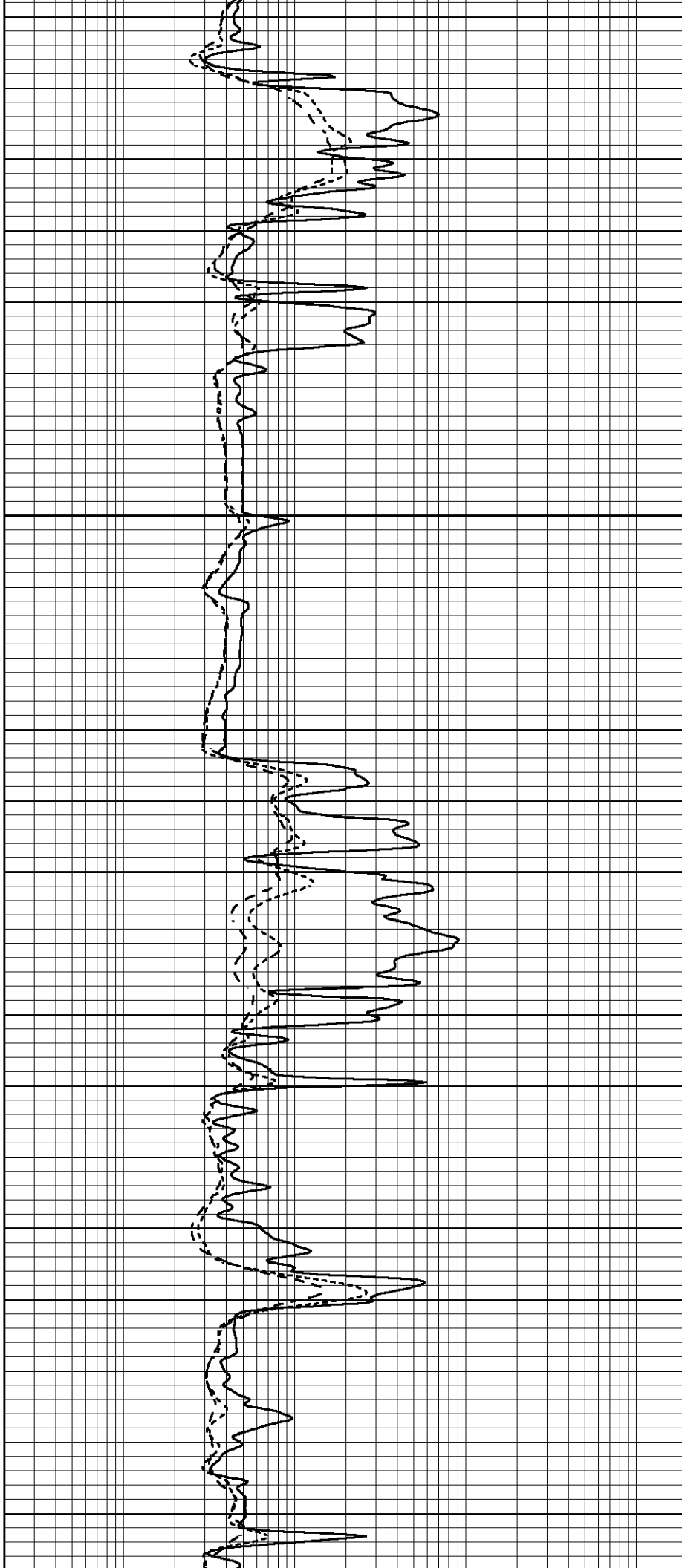


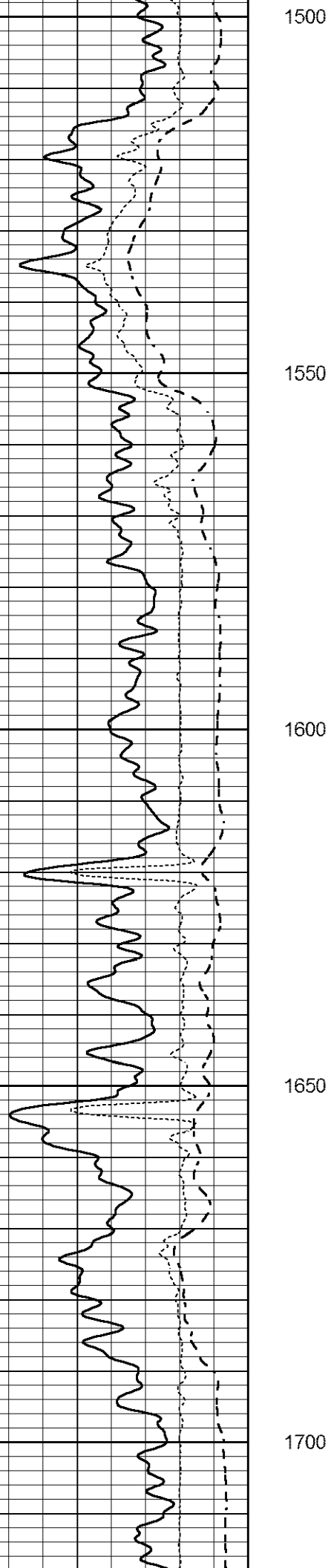
1300

1350

1400

1450





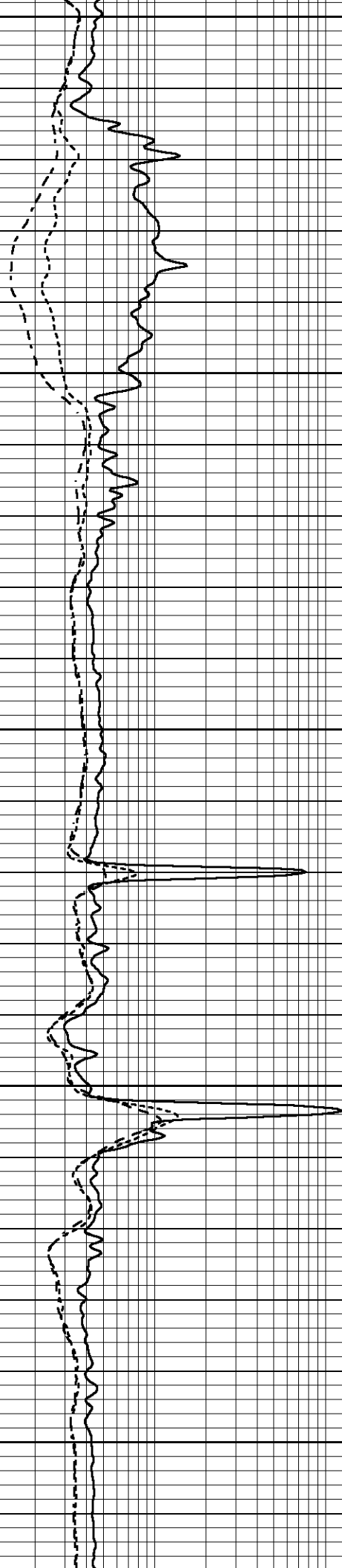
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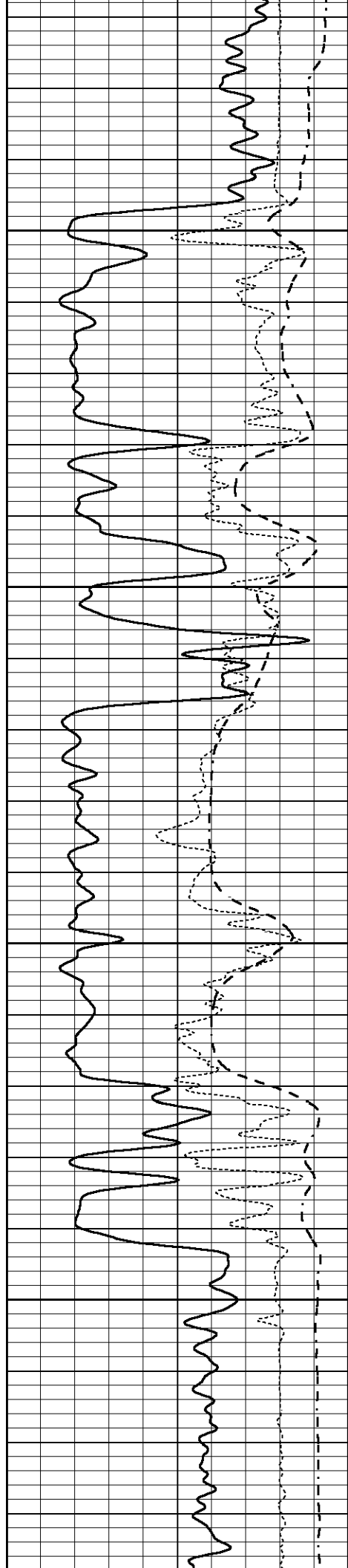
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1600

1650

1700



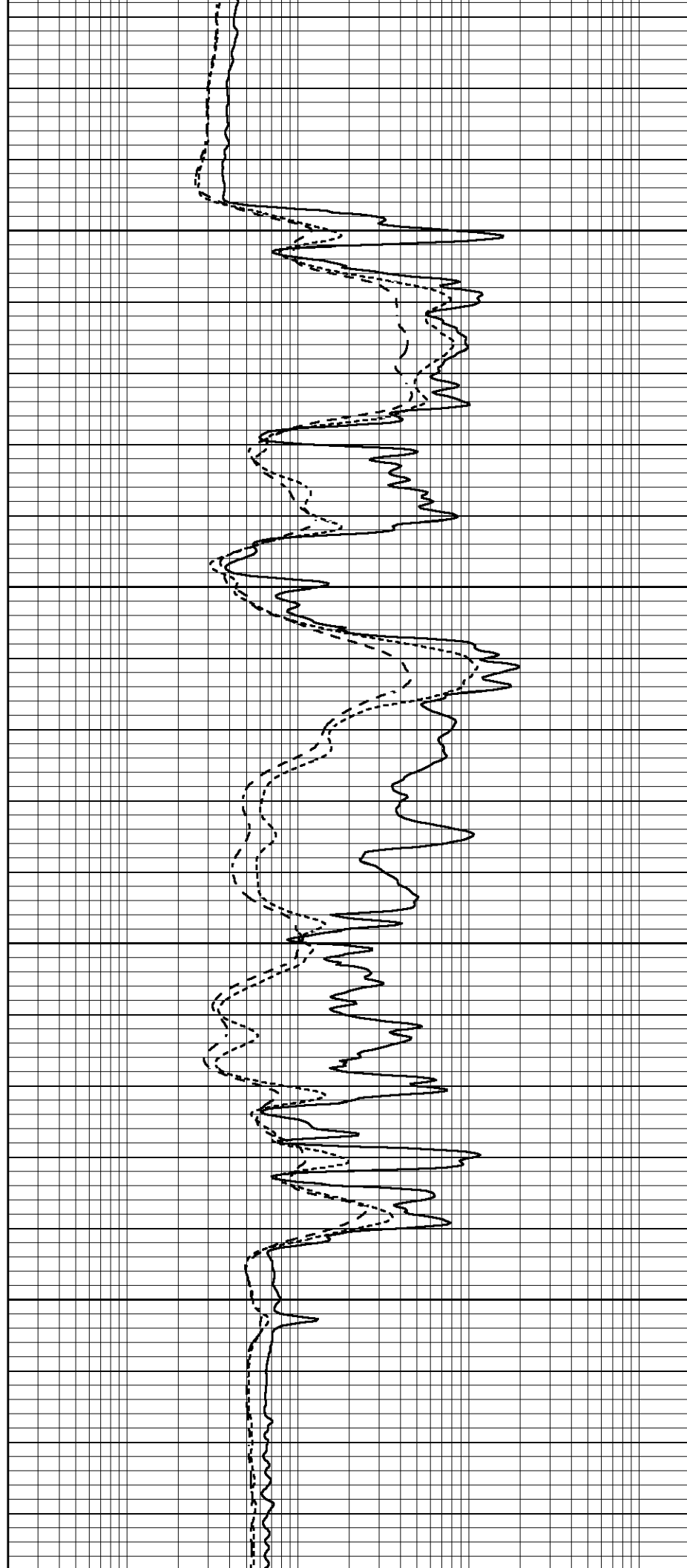


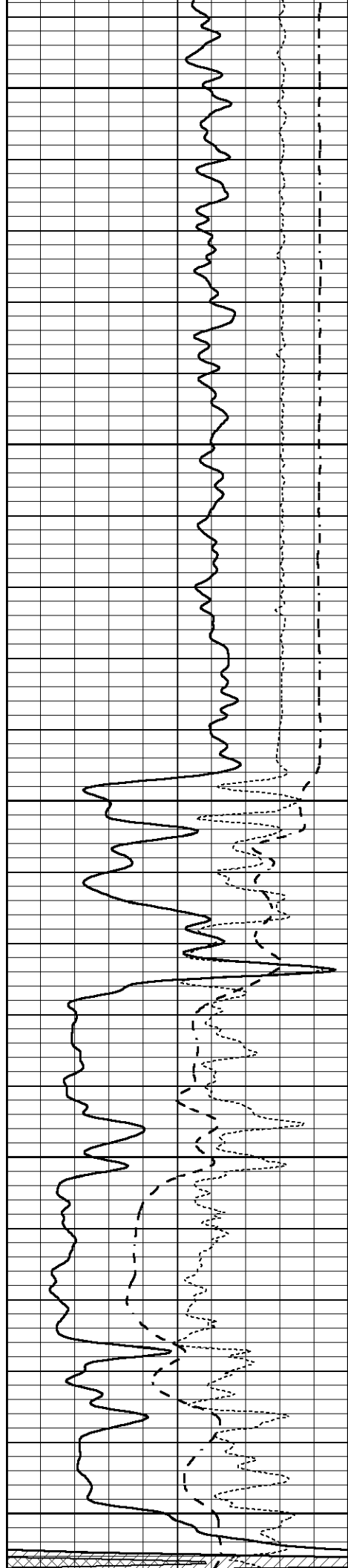
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1800

1850

1900





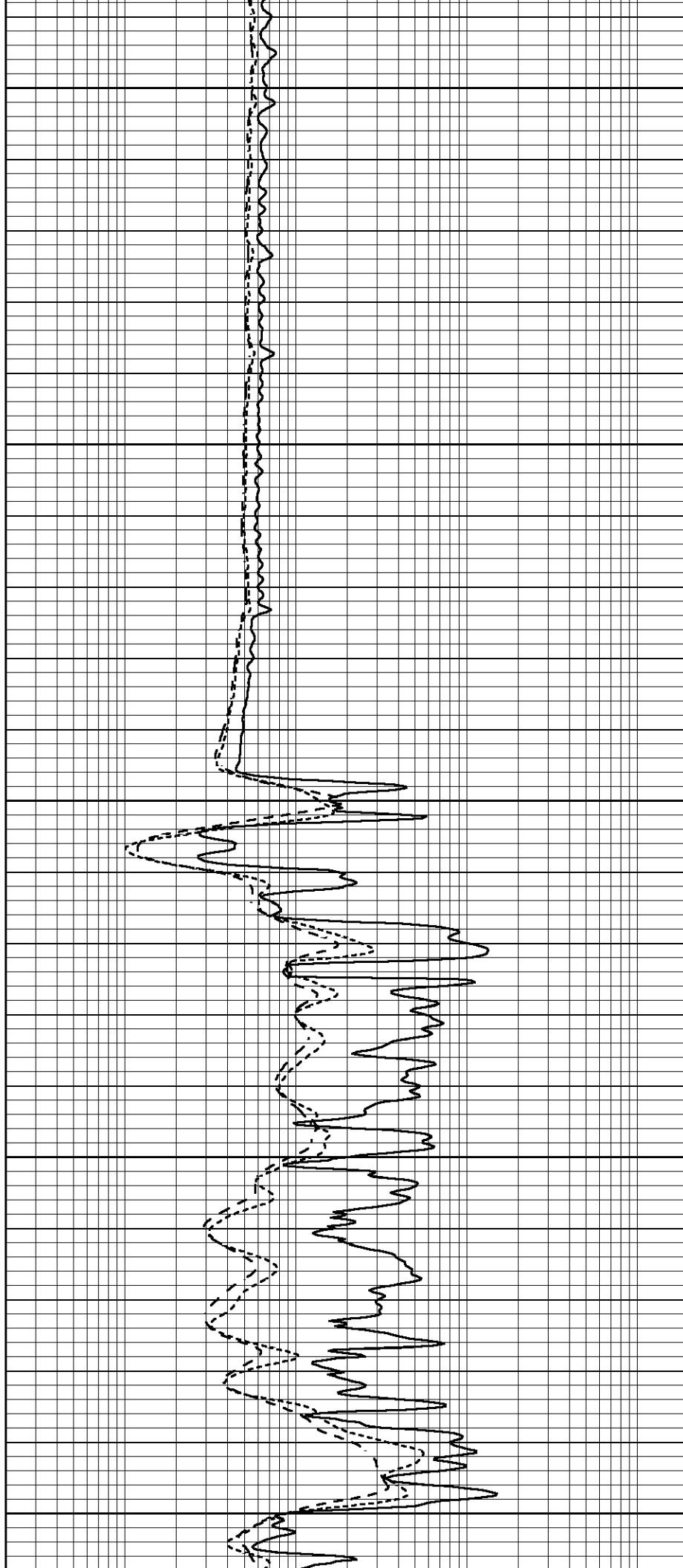
1950

2000

2050

2100

2150



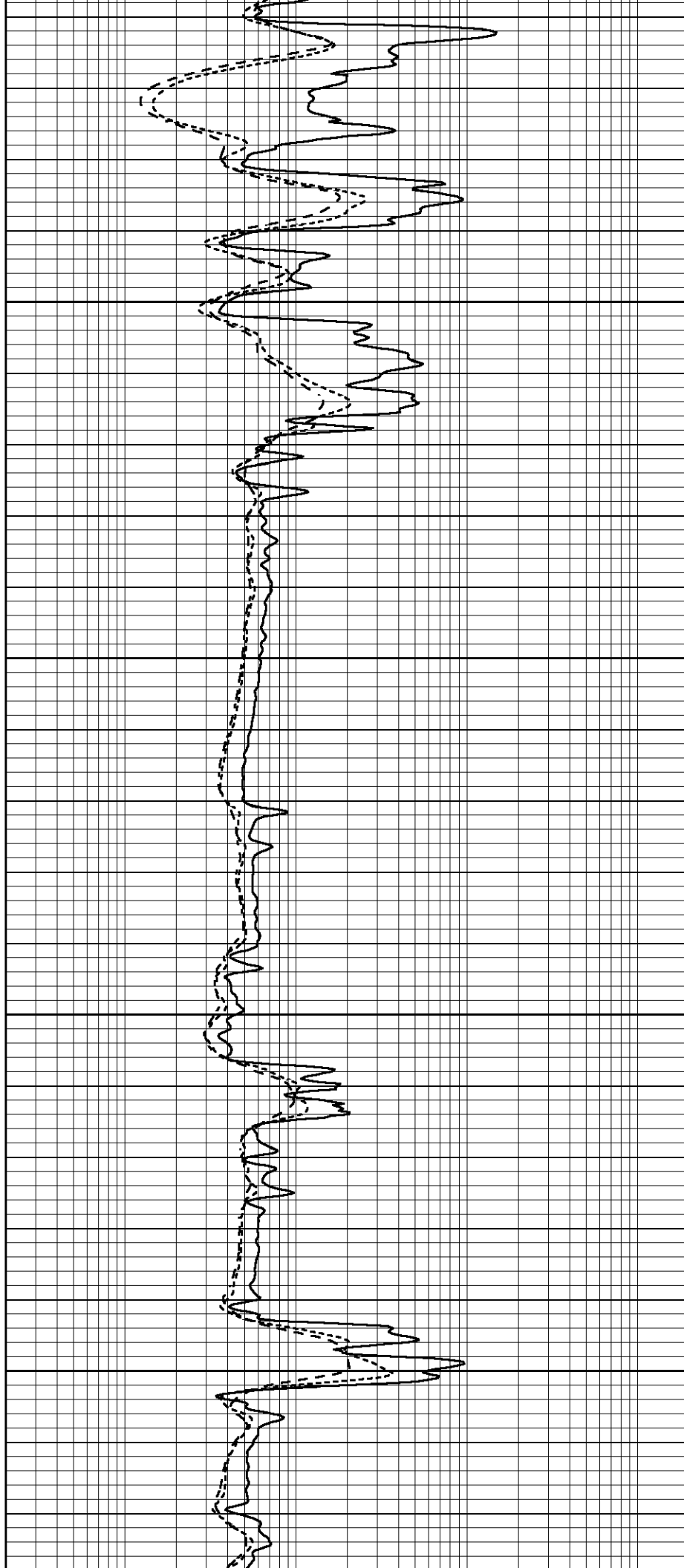


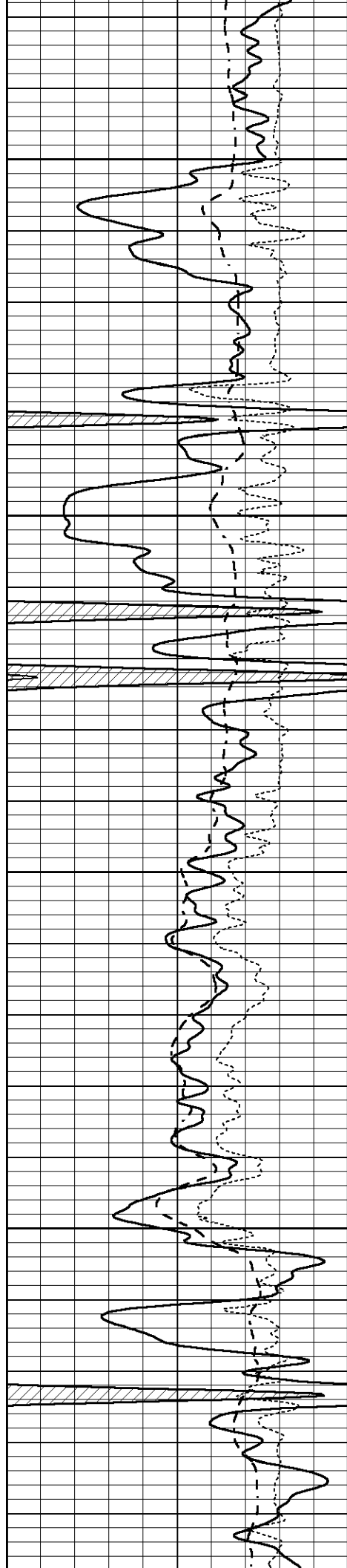
2200

2250

2300

2350



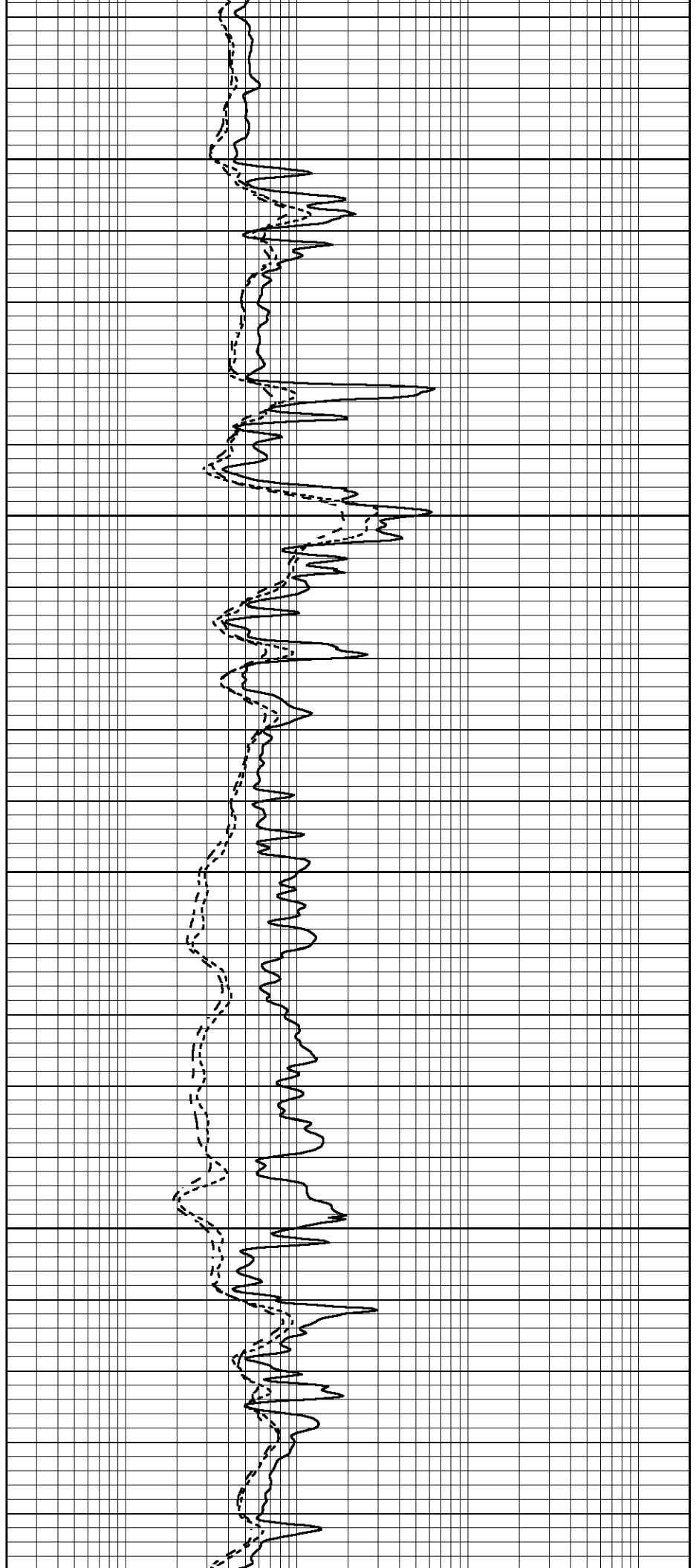


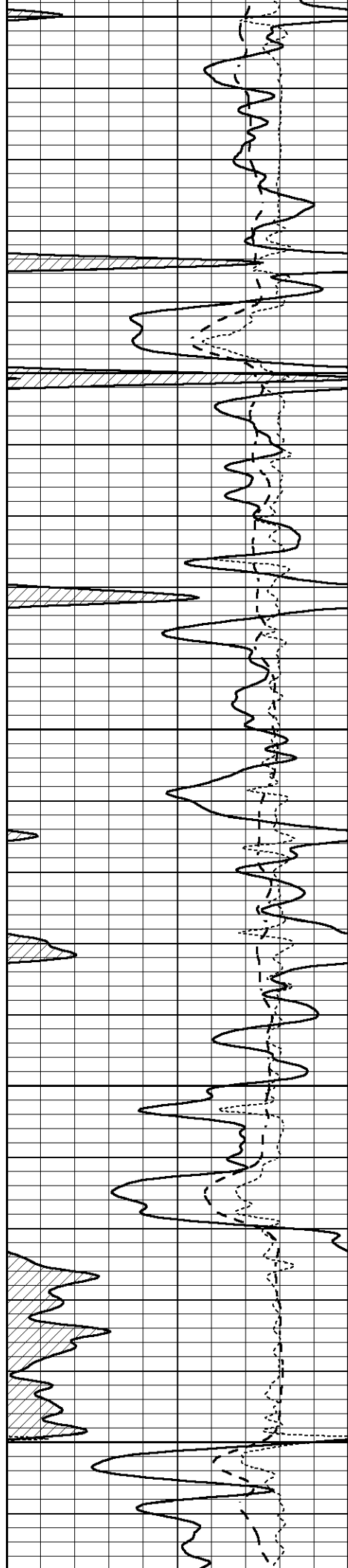
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2450

2500

2550





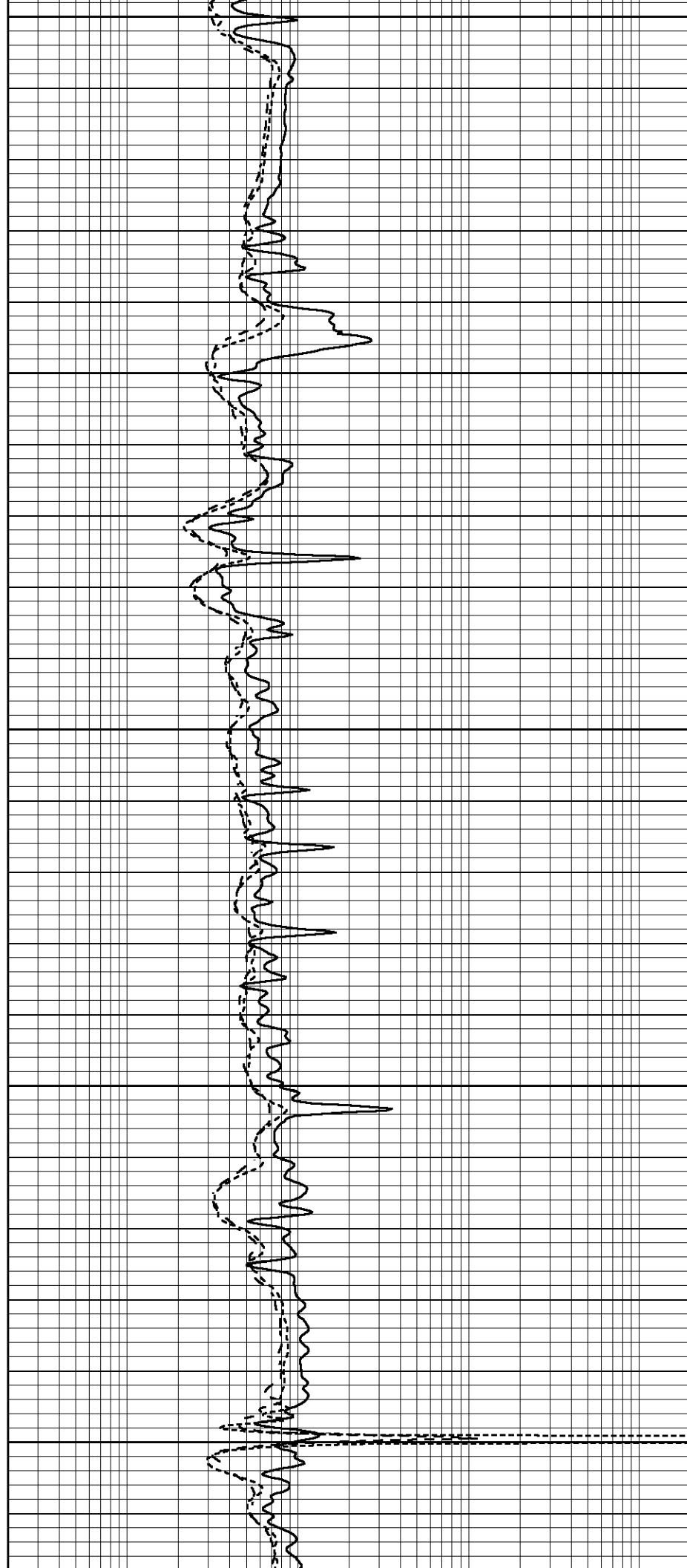
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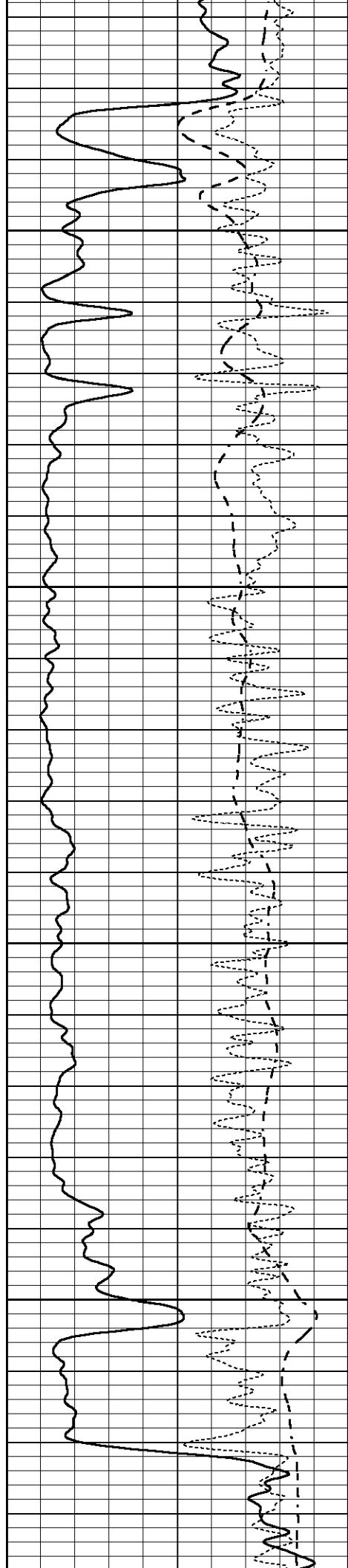
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2700

2750

2800



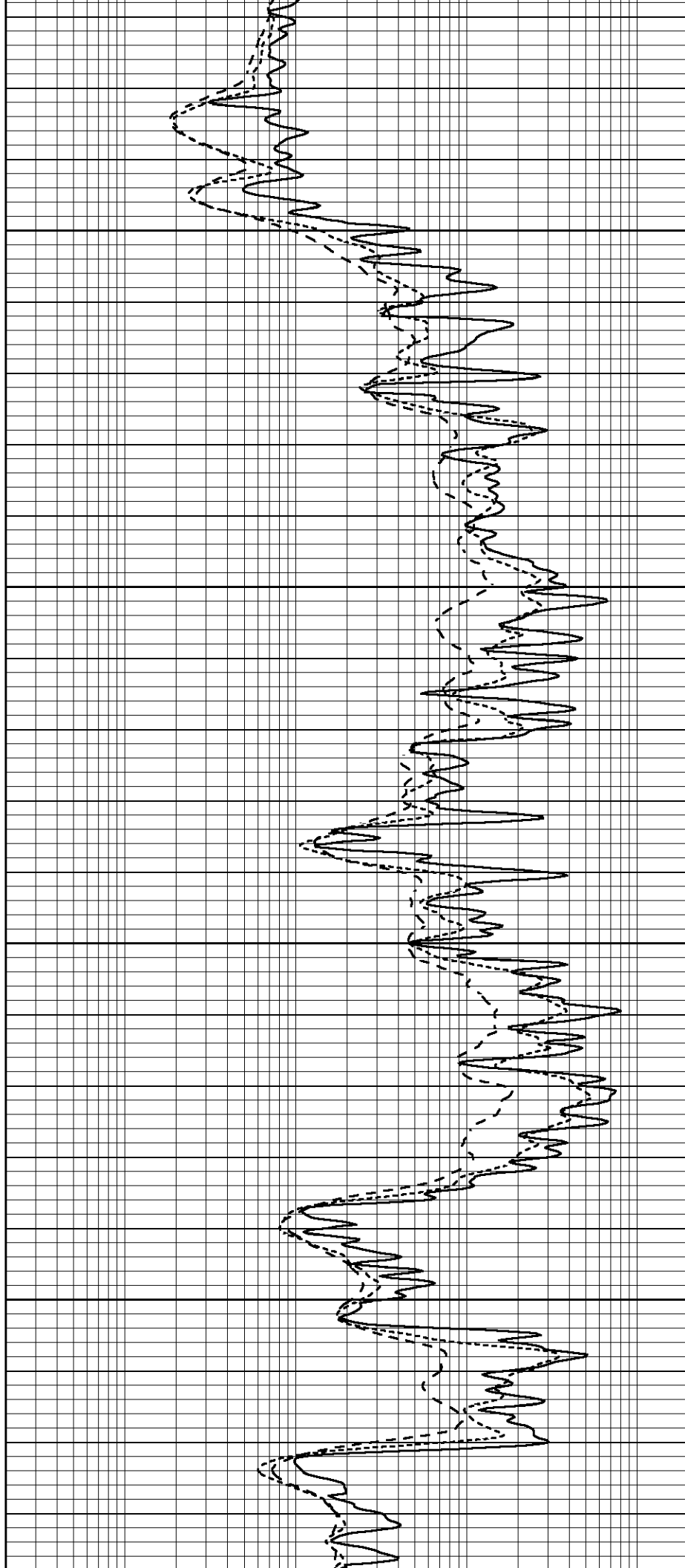


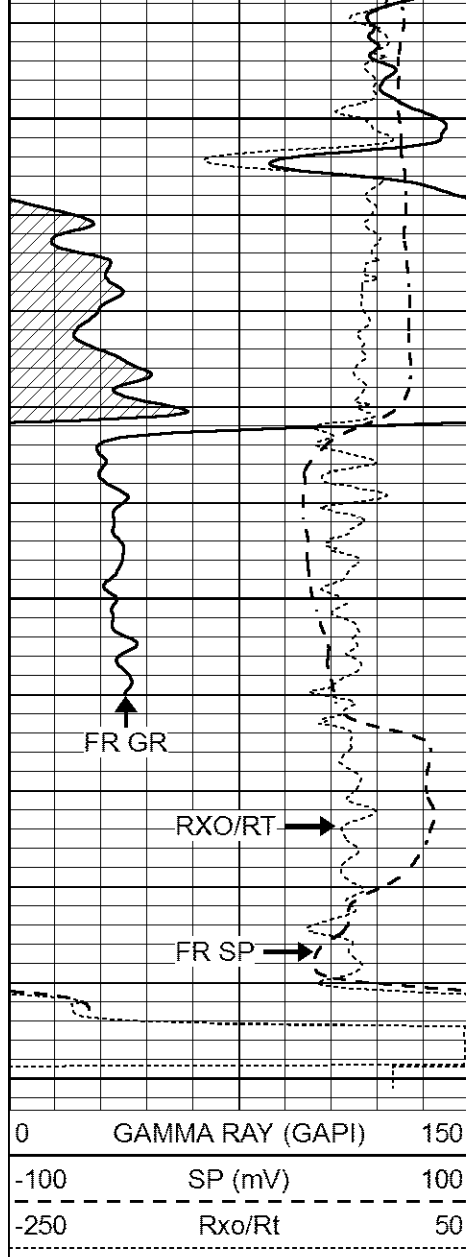
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2900

2950

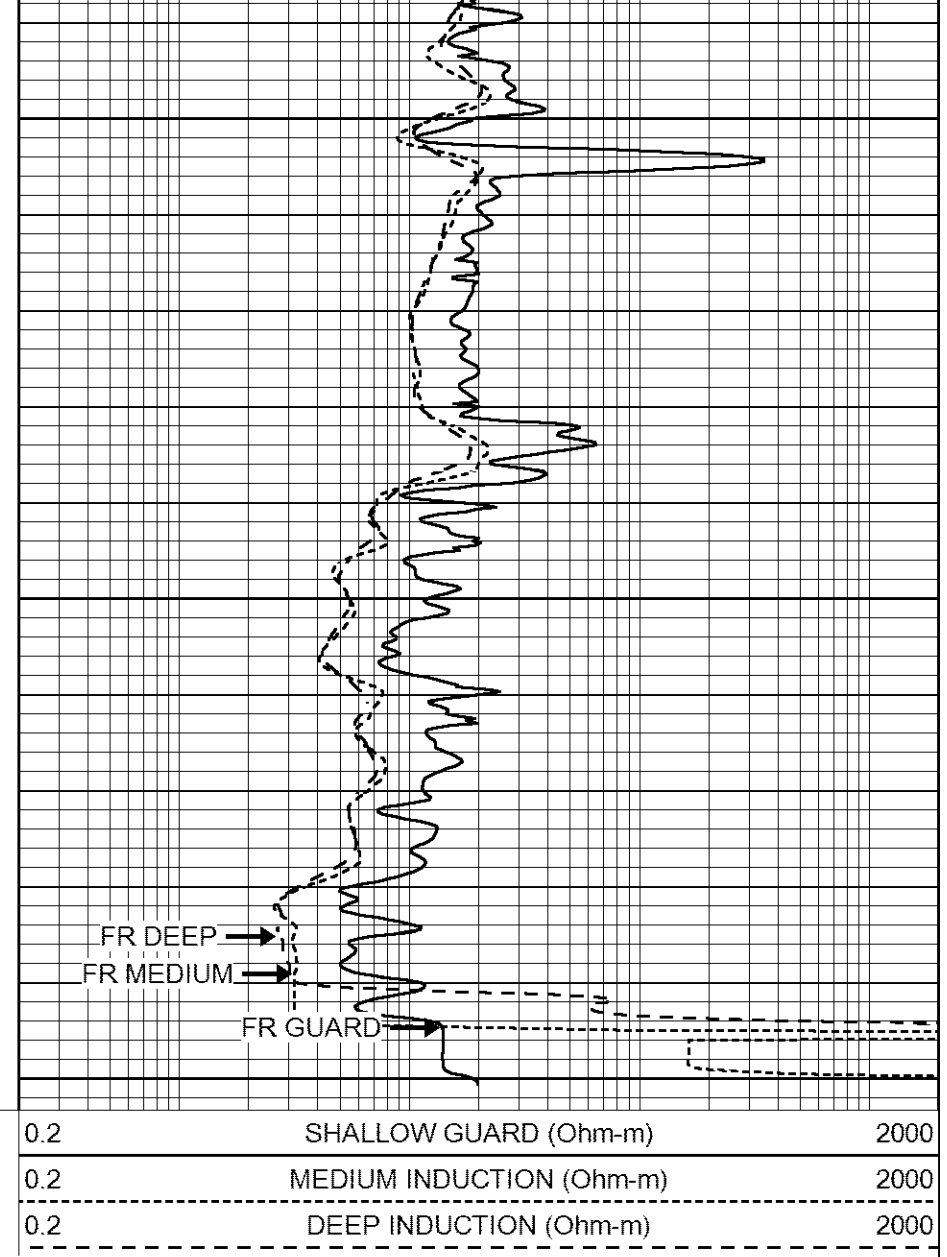
3000





LTD 3147
3150

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



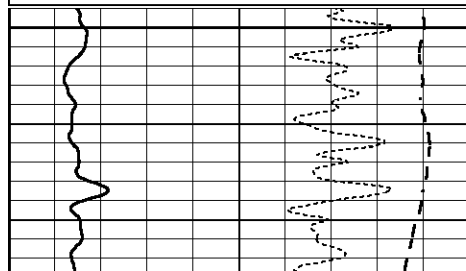
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



REPEAT SECTION

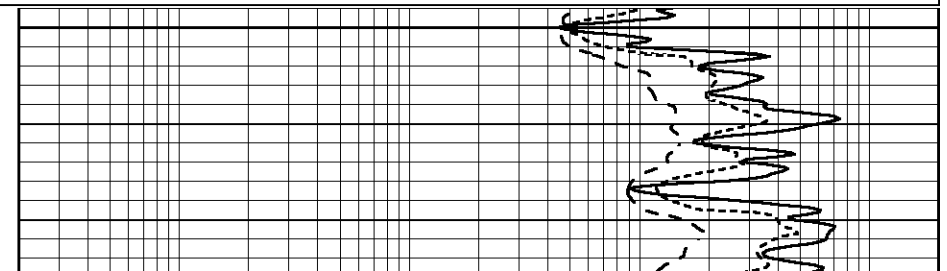
Database File 7381pe.db
 Dataset Pathname pass2.3
 Presentation Format _dil
 Dataset Creation Fri Nov 25 04:14:05 2022
 Charted by Depth in Feet scaled 1:240

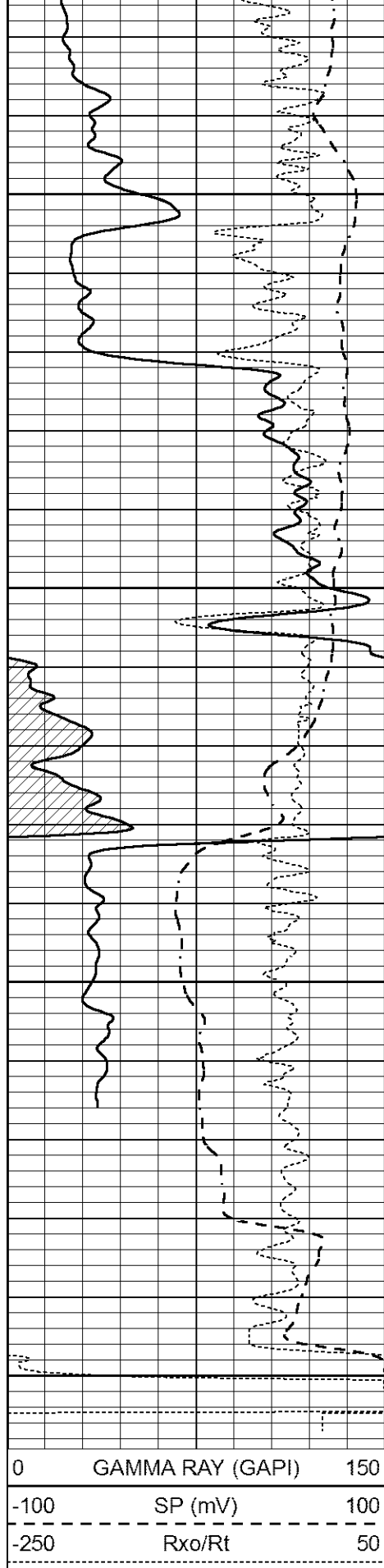
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50



2950

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



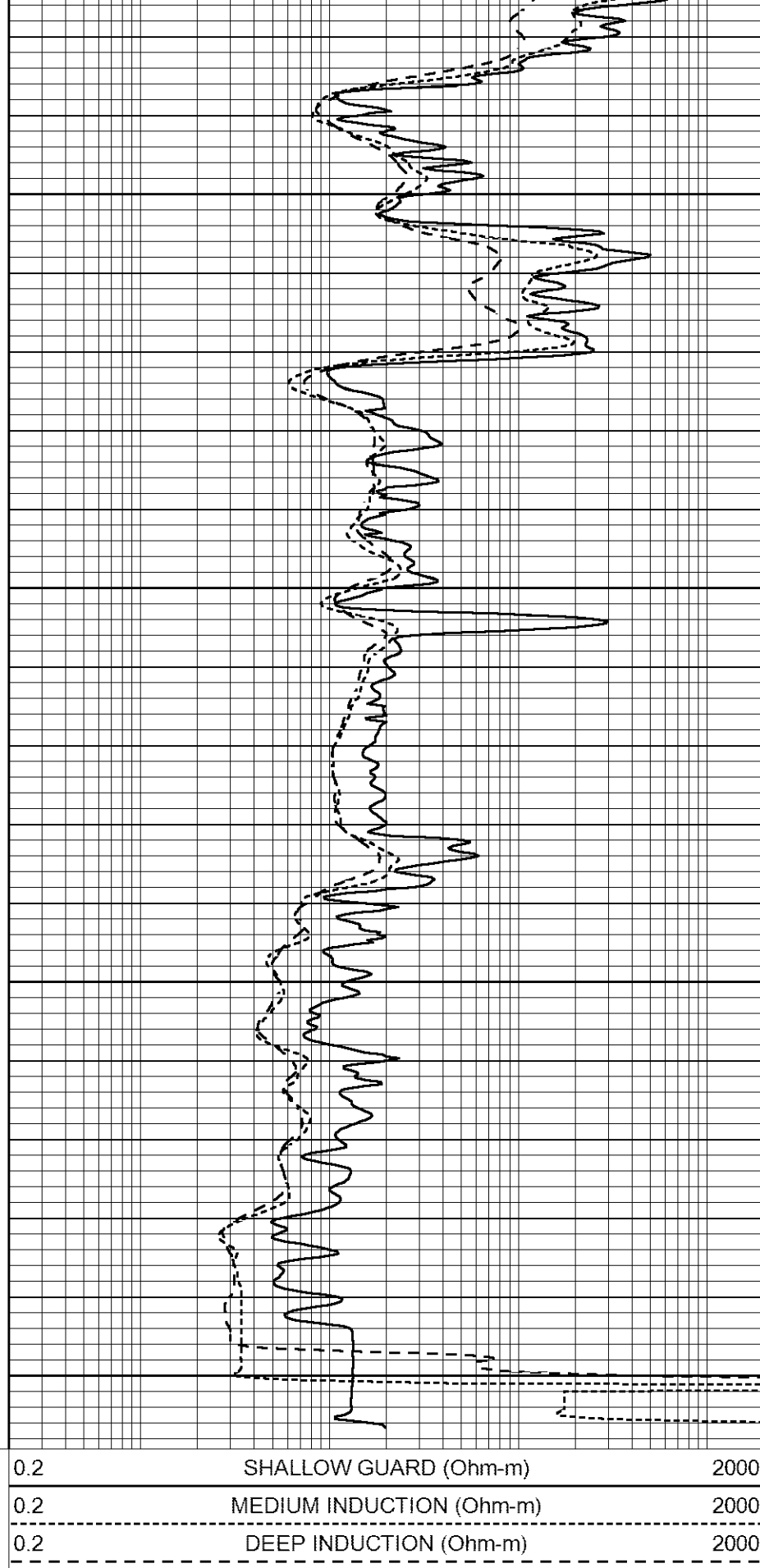


3000

3050

3100

3150



Calibration Report

Database File 7381pe.db
 Dataset Pathname pass3.4
 Dataset Creation Fri Nov 25 03:31:30 2022

Dual Induction Calibration Report									
Serial-Model:				FW1410-55-Probe					
Surface Cal Performed:				Thu Jun 30 01:48:00 2022					
Downhole Cal Performed:				Tue Feb 19 11:44:24 2019					
After Survey Verification Performed:				Tue Feb 19 11:44:27 2019					
Surface Calibration									
Readings			References				Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.011	0.656	V	1.000	400.000	mmho/m	650.000	-3.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-10.500	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595	
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251	
Downhole Calibration									
Readings			References				Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149	
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099	
LL3		7.503	V		1500.000	Ohm-m			
		0.001	V		20.000	Ohm-m			
		-7.481	V		3745.000	mmho-m			
After Survey Verification									
Readings			Targets				Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000	
LL3		0.000	Ohm-m		1500.000	Ohm-m			
		0.000	Ohm-m		20.000	Ohm-m			
		0.000	mmho-m		3745.000	mmho-m			
Litho Density Calibration Report									
Serial: 140704									
Model: V4_10P									
Source Number: 74GBq-19									
Master Calibration					Performed: Tue Oct 25 14:02:07 2022				
	Background		Aluminum		Magnesium				
Window 1	501.98		5377.33		23235.87		cps		
Window 2	38.66		1167.13		5462.52		cps		
Window 4	219.95		1265.38		5296.65		cps		
Window 5	535.47		7345.58		14269.59		cps		
Window 6	42.48		1172.64		2113.12		cps		
Window 8	252.82		2368.74		4743.90		cps		
Bulk Density	-		2.6020		1.6830		g/cc		
Pe	-		3.0000		2.5070		b/e		
LS Alpha:	: -1.8018		SS Alpha:	: -0.8503		LS CPE:	: 1.2527		
LS Beta:	: 116585.8005		SS Beta:	: 19984.2984		SS CPE:	: 1.5732		
Before Survey Background Counts Verification					Performed: Wed Dec 31 18:00:00 1969				

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification		Performed: Wed Dec 31 18:00:00 1969	
Window 1	0.00	cps	
Window 2	0.00	cps	
Window 4	0.00	cps	
Window 5	0.00	cps	
Window 6	0.00	cps	
Window 8	0.00	cps	

Lithodensity Caliper Calibration		Performed: Tue Oct 25 14:02:07 2022			
Results	Readings	References (in)			
Low	High	Low	High	Gain	Offset
9378.6	12243.0	8.0	14.0	0.0	-11.8

Before Survey Caliper Verification		Performed:	
	Reference	Reading	
Caliper (in)	_____	_____	

After Survey Caliper Verification		Performed:	
	Reference	Reading	
Caliper (in)	_____	_____	

Compensated Neutron Calibration Report

Serial Number:	080621PMC
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:	7
Tool Model:	Probe1
Performed:	Thu May 26 08:56:46 2022
Calibrator Value:	1.0
	GAPI

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5500	GAPI/cps