



DUAL INDUCTION LOG

Company RAYDON EXPLORATION, INC.
Well BREYFOGLE #1-3
Field UNNAMED
County FINNEY **State** KANSAS

Location: API #: 15-055-22596-0000
 660 FNL & 2280 FWL
 W2 - E2 - NE - NW
 SEC 3 TWP 21S RGE 31W
Permanent Datum GROUND LEVEL Elevation 2886
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services CDL/CNL/PE MEL/SON
Elevation K.B. 2898
 D.F. 2896
 G.L. 2886

Date	12/21/23
Run Number	ONE
Depth Driller	5003
Depth Logger	5003
Bottom Logged Interval	5001
Top Log Interval	00
Casing Driller	8.625 @ 355
Casing Logger	355
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	8.9/47
PH / Fluid Loss	9.5/6.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	1.70 @ 68F
Rmt @ Meas. Temp	1.28 @ 68F
Rmc @ Meas. Temp	2.04 @ 68F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	925 @ 125F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	12:30 P.M.
Maximum Recorded Temperature	125F
Equipment Number	3802
Location	HAYS, KANSAS
Recorded By	COLE ROBBEN
Witnessed By	ED GRIEVES

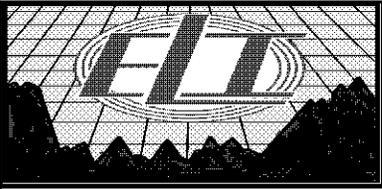
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

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

DIRECTIONS:
 FROM SCOTT CITY, KANSAS SOUTH ON HIGHWAY 83 TO FINNEY/SCOTT COUNTY ROAD,
 10 MILES EAST, SOUTH INTO

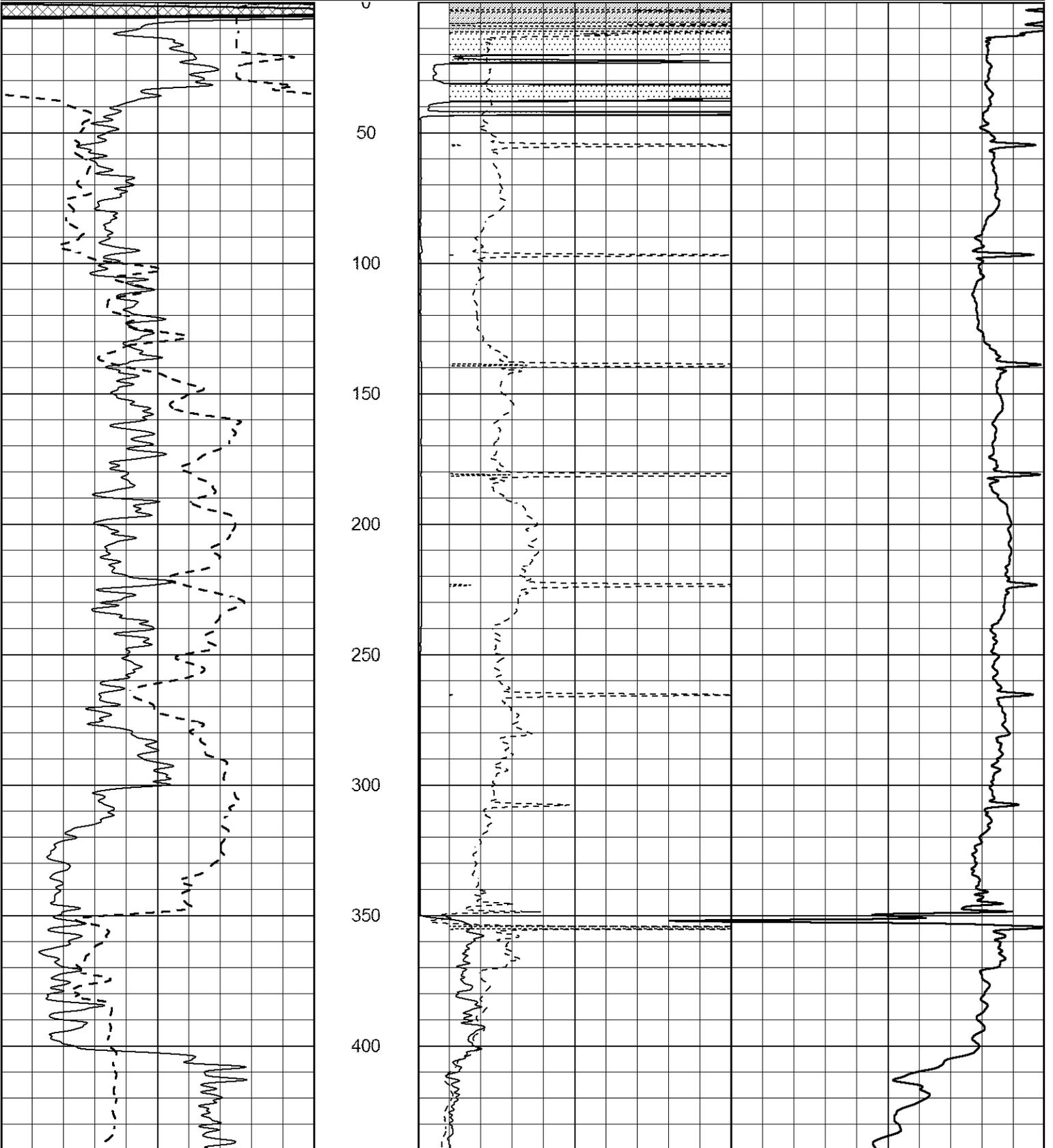


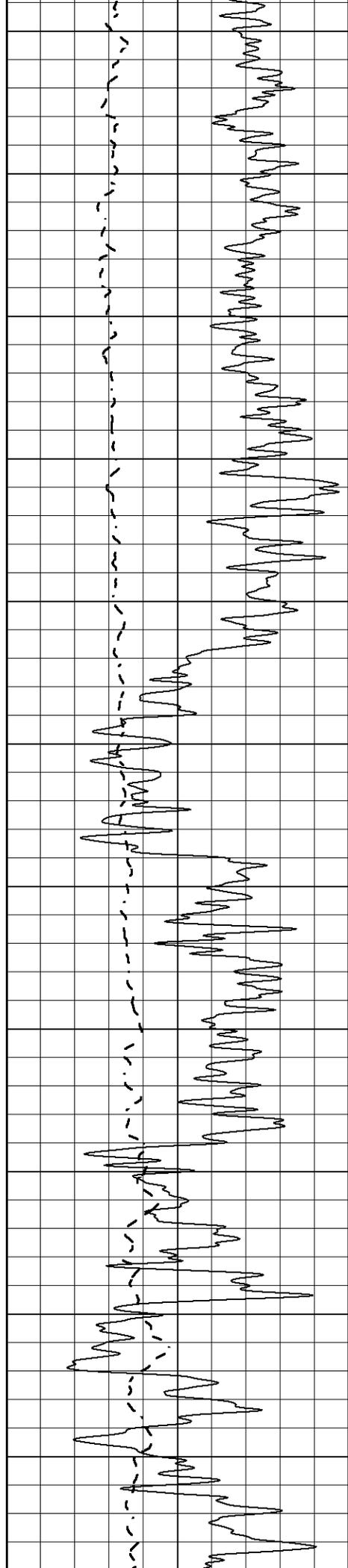
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 Dataset Creation Thu Dec 21 14:25:30 2023
 Charted by Depth in Feet scaled 1:600

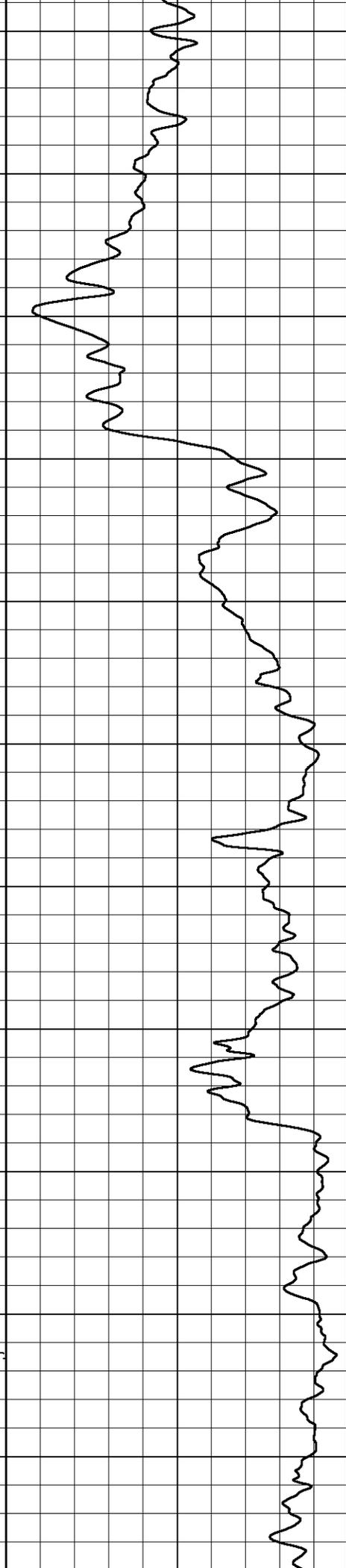
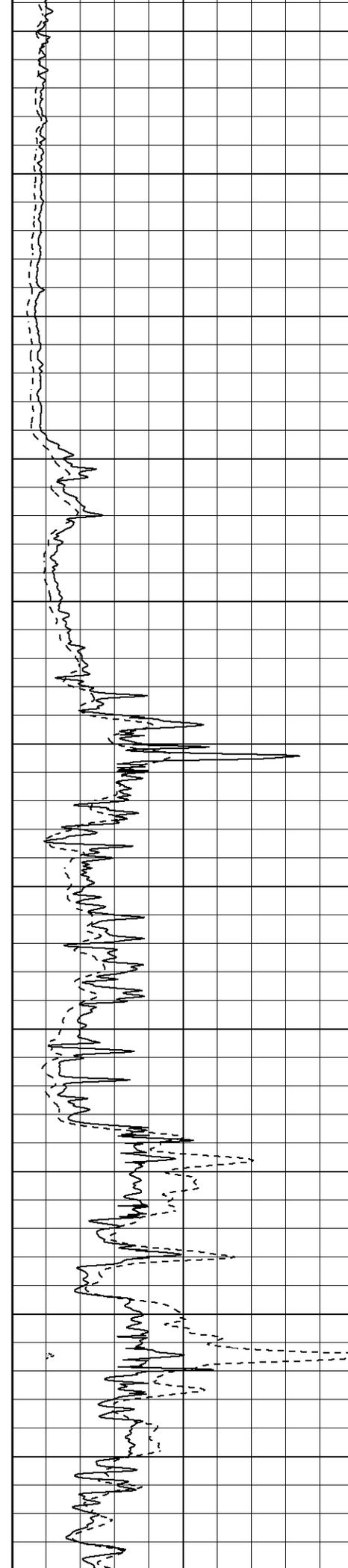
0 Gamma Ray (GAPI) 150
 -100 SP (mV) 100

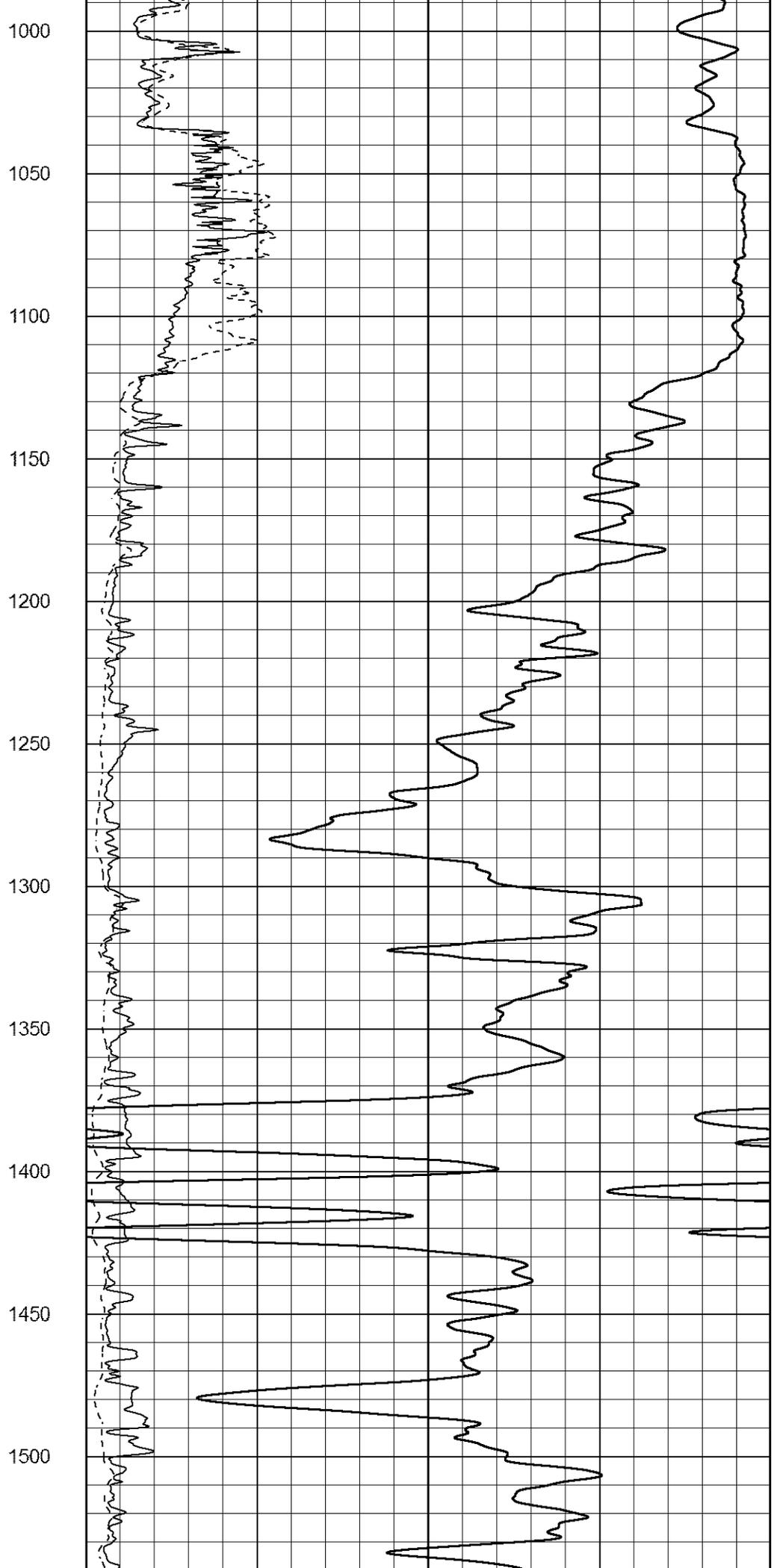
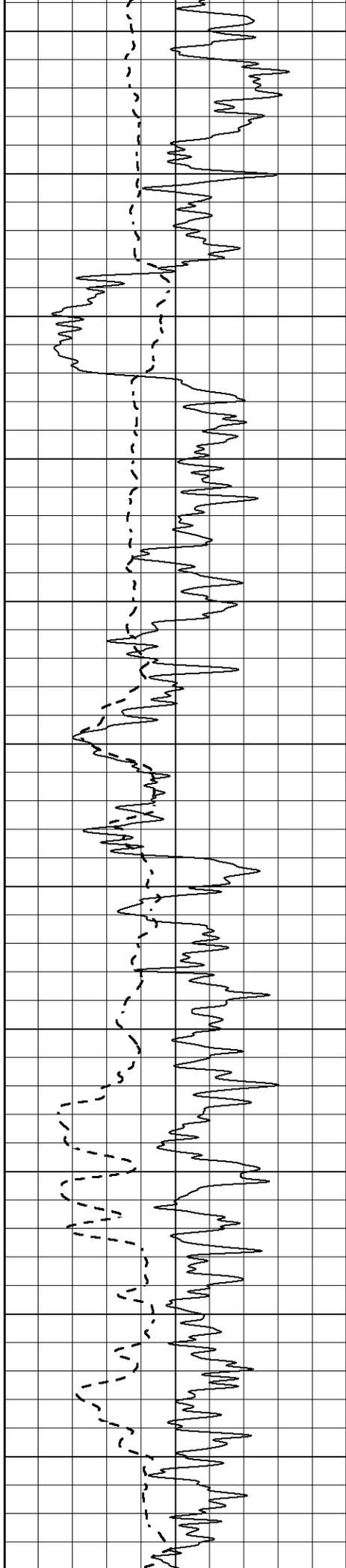
1000 CILD (mmho/m) 0
 0 RLL3 (Ohm-m) 50
 0 Deep Induction (Ohm-m) 50
 50 RILD X10 (Ohm-m) 500
 50 RLL3 X10 (Ohm-m) 500

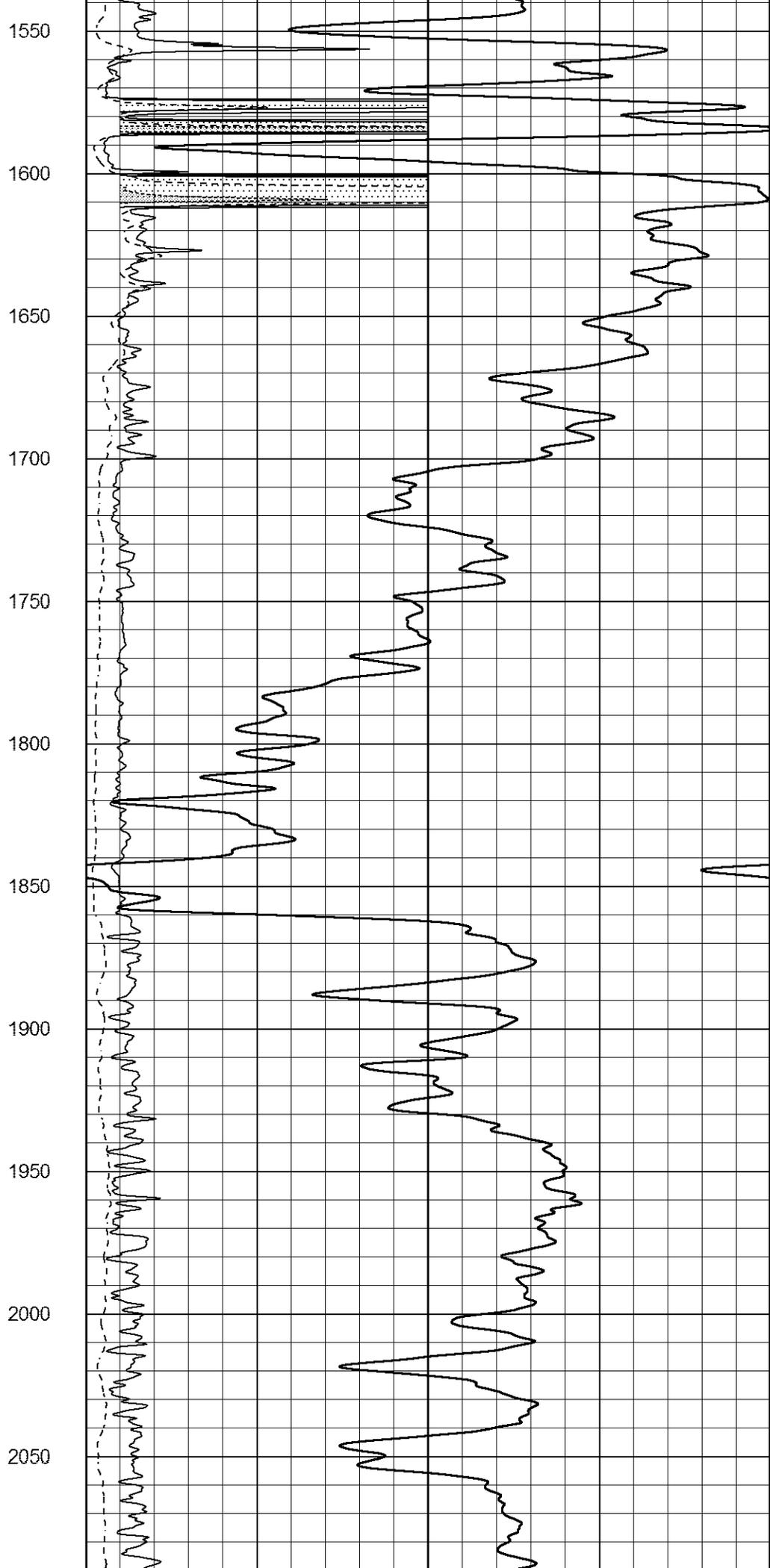
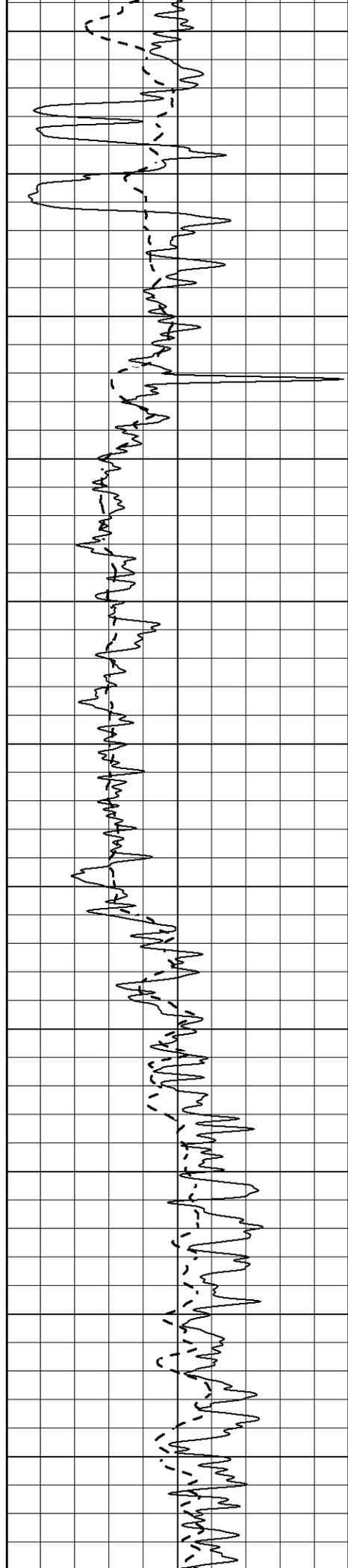




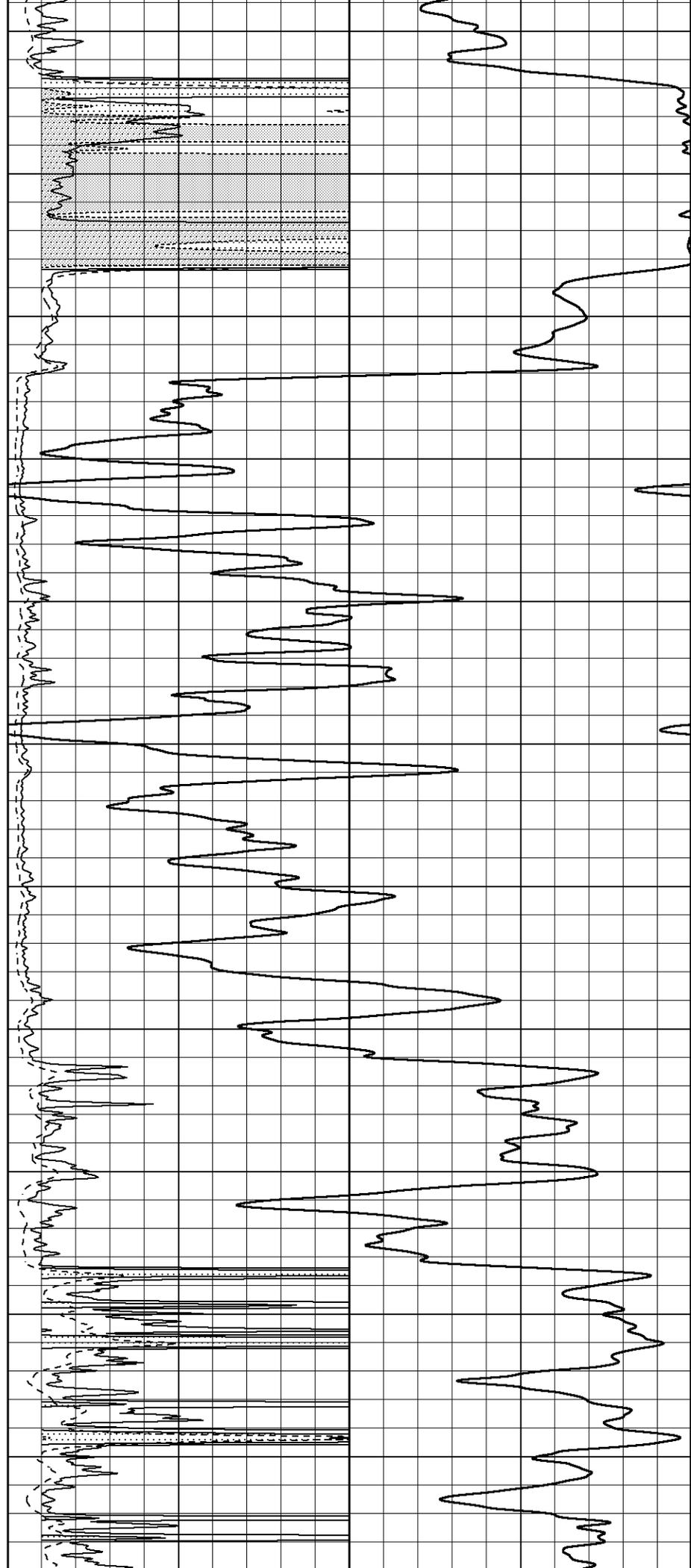
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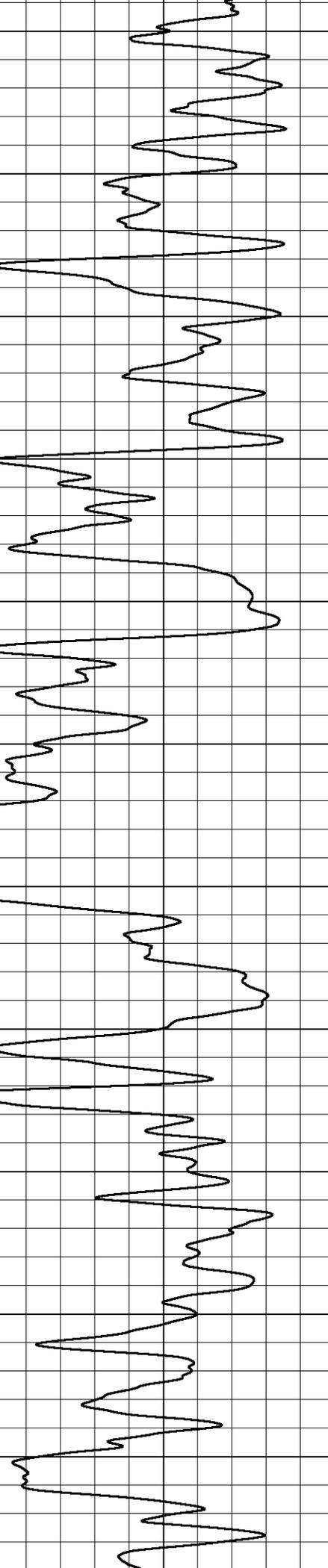
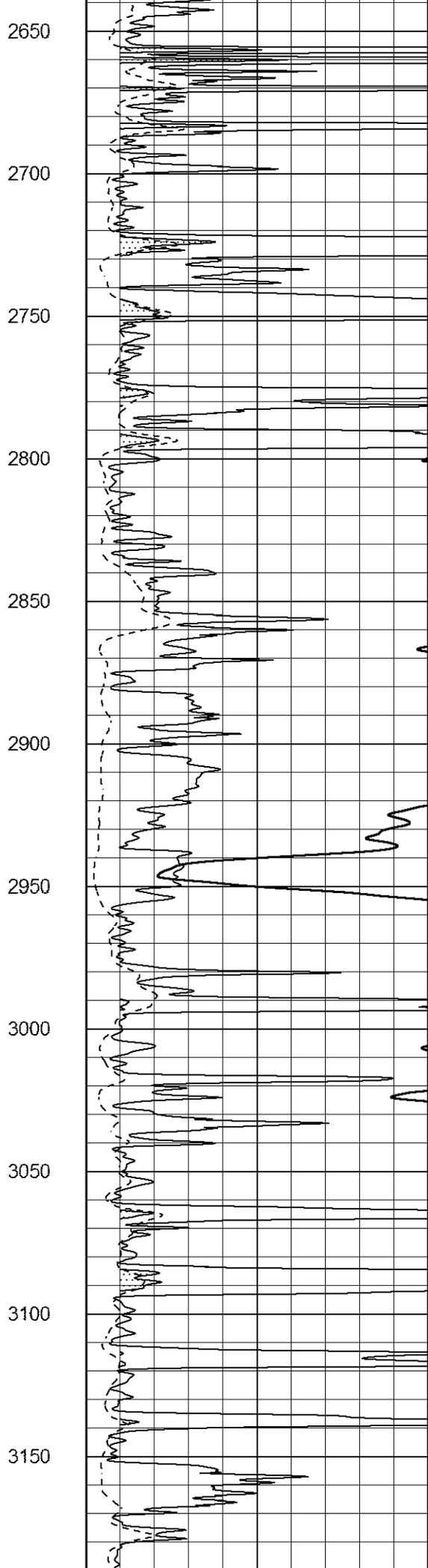
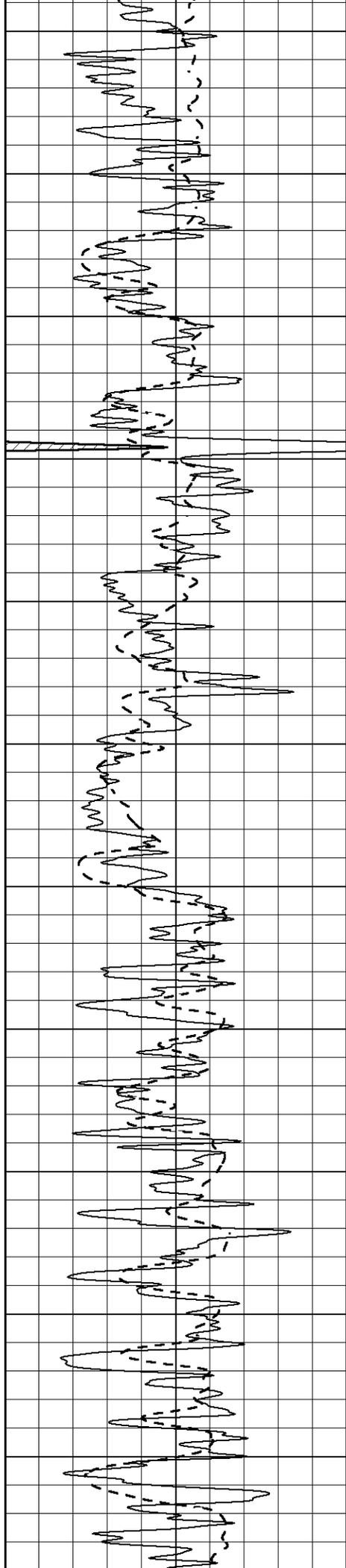


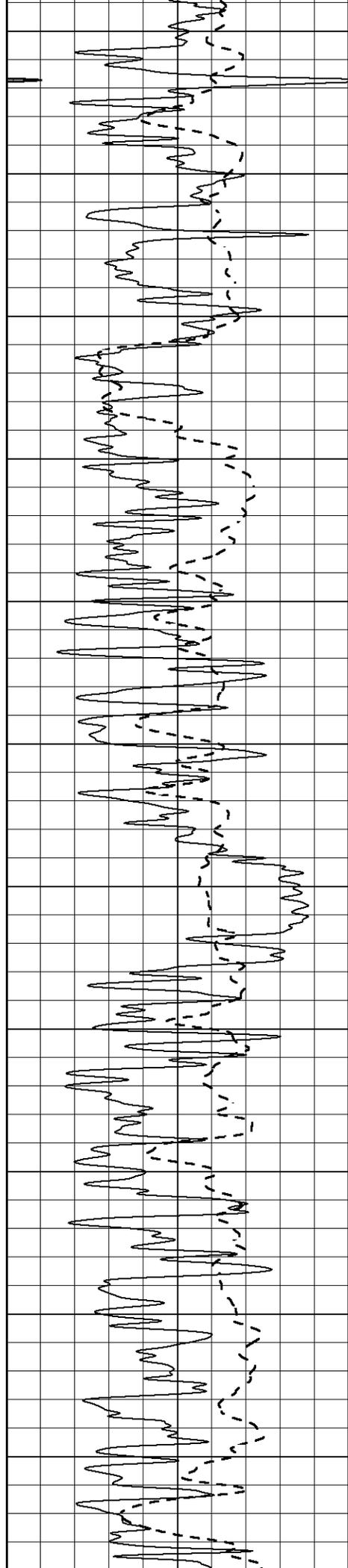




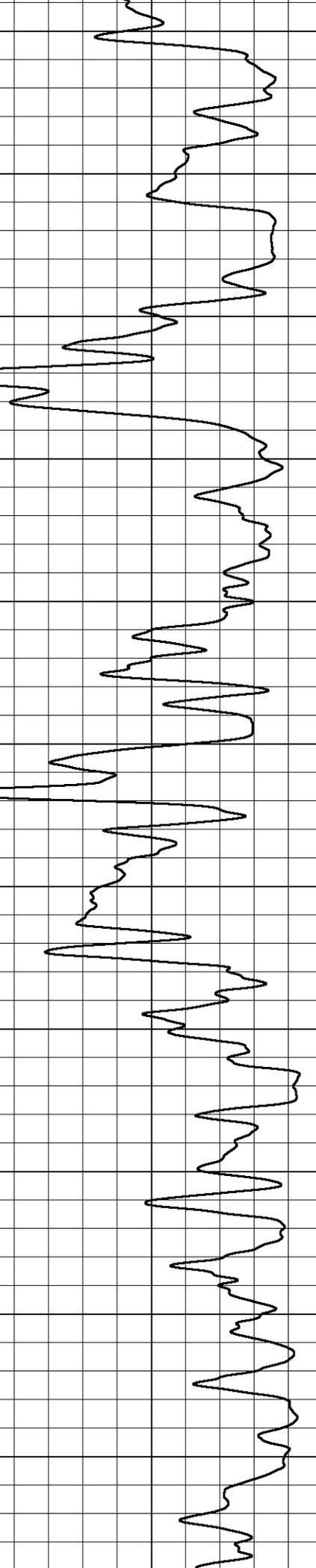
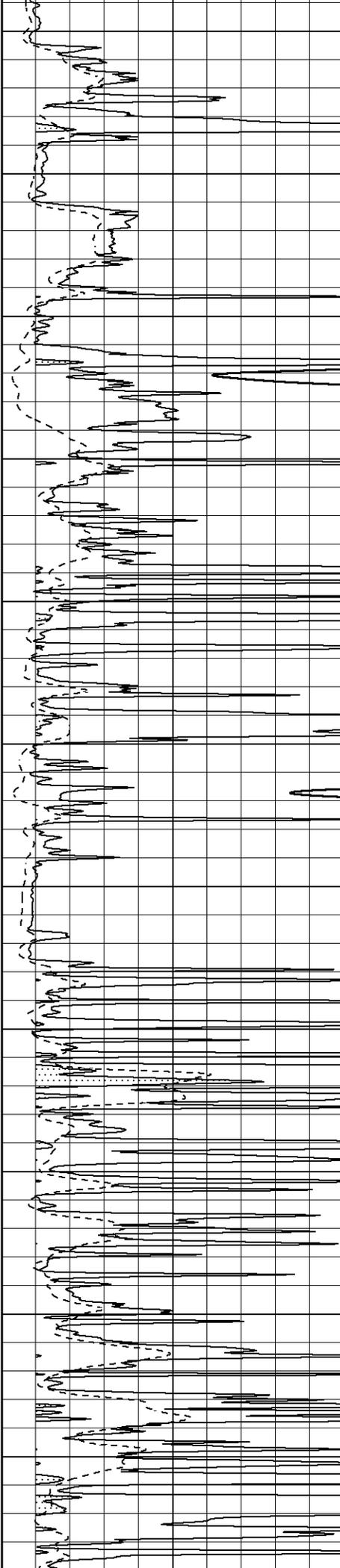
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2500
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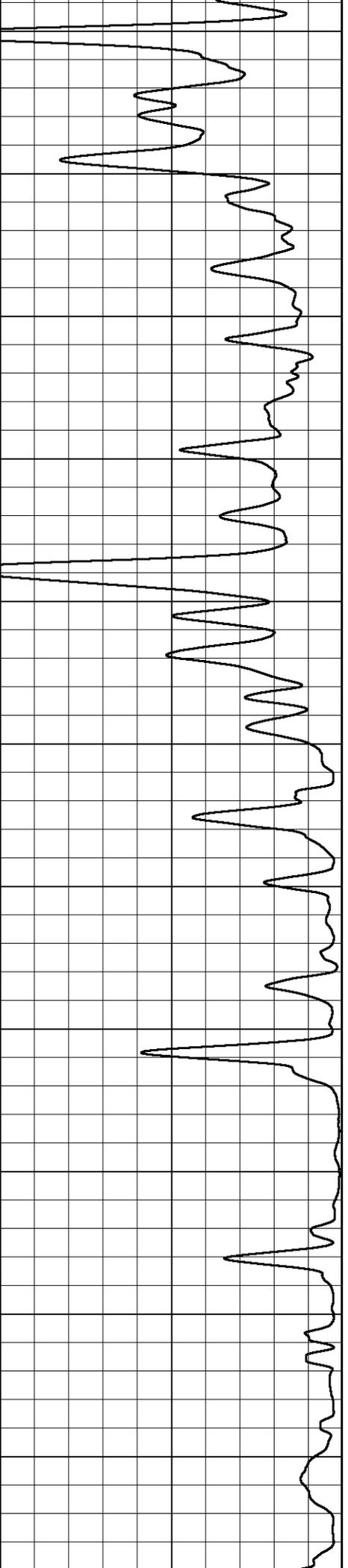
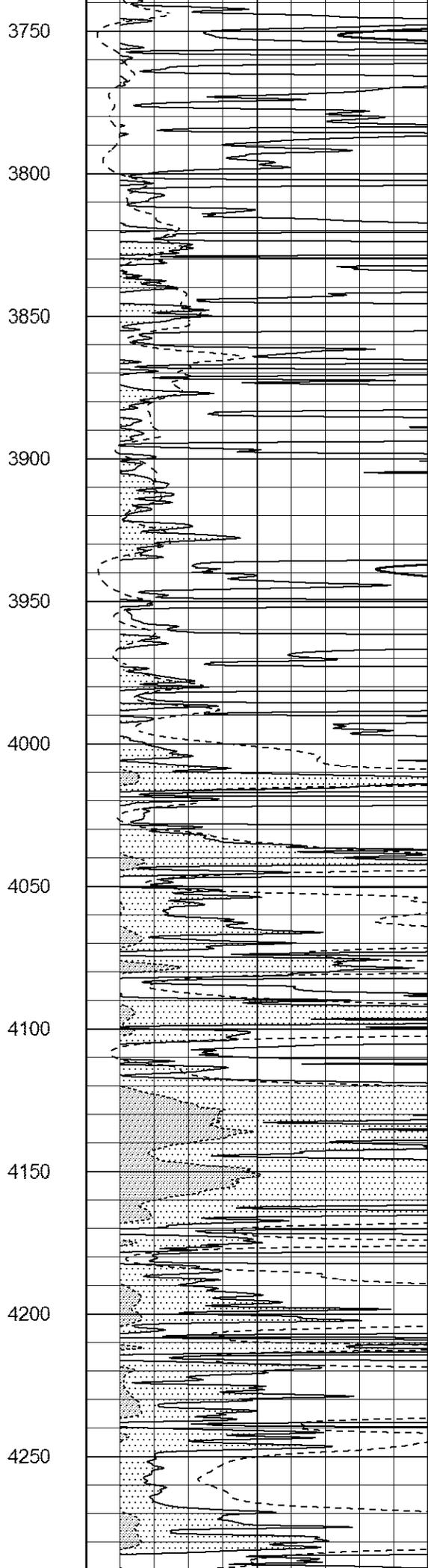
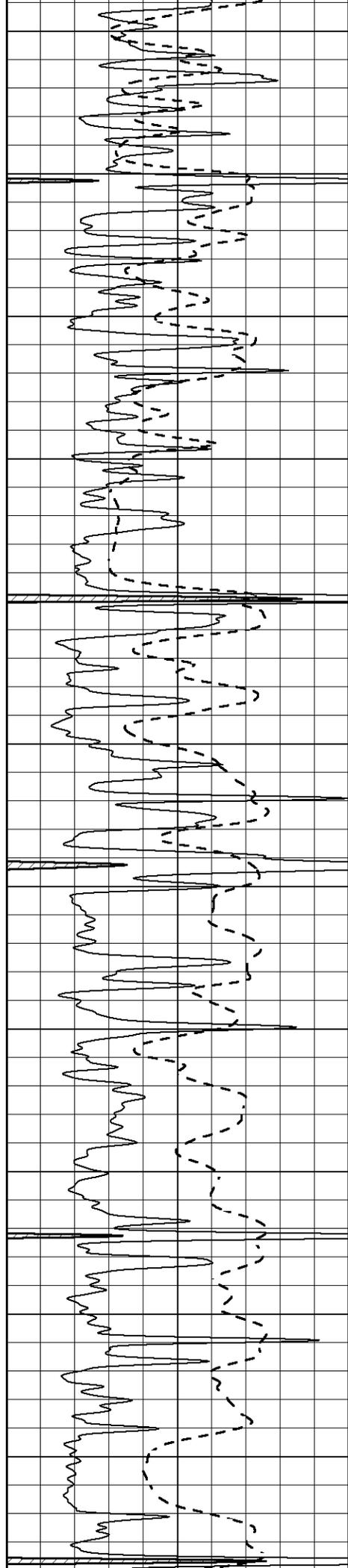


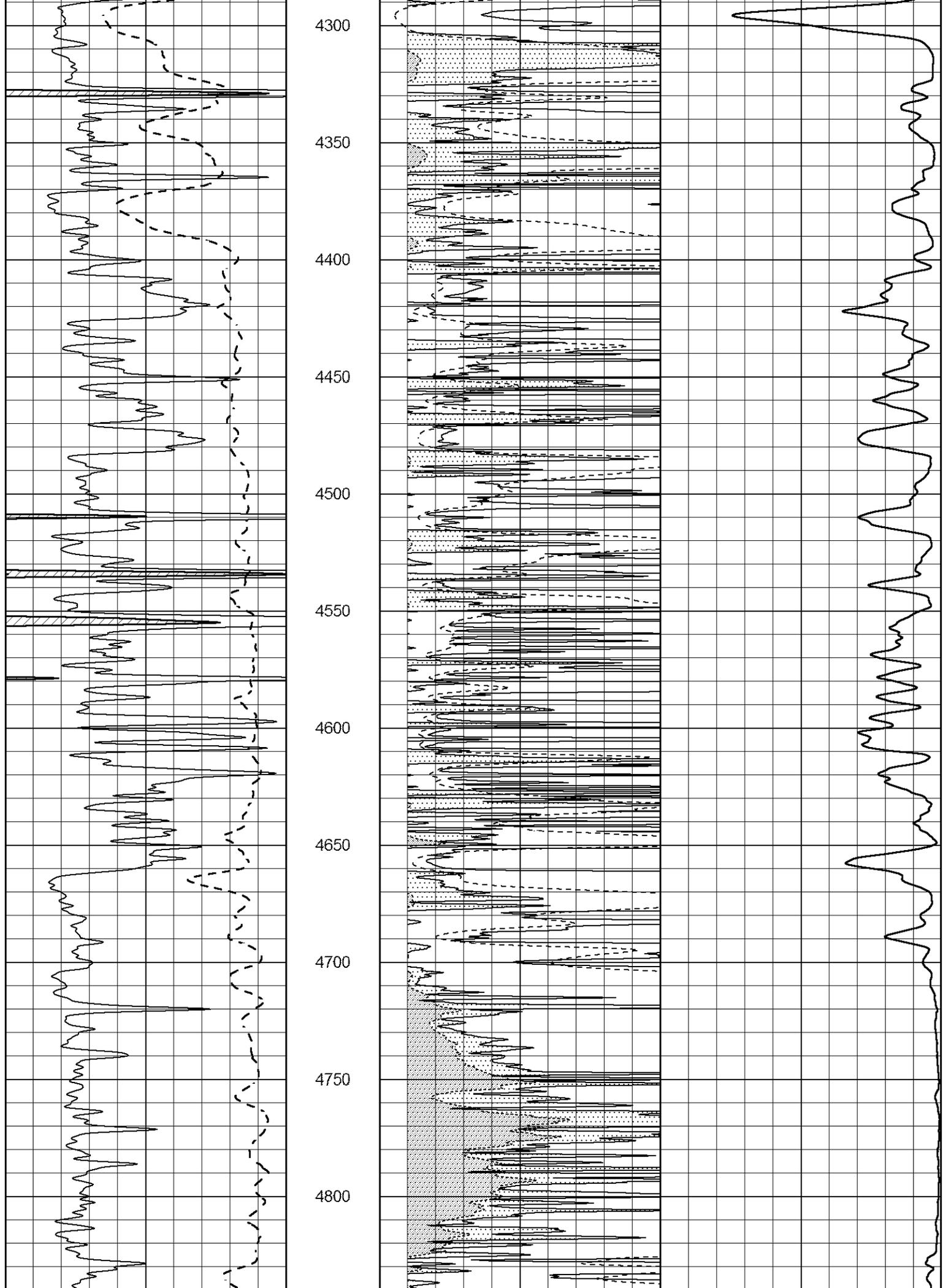


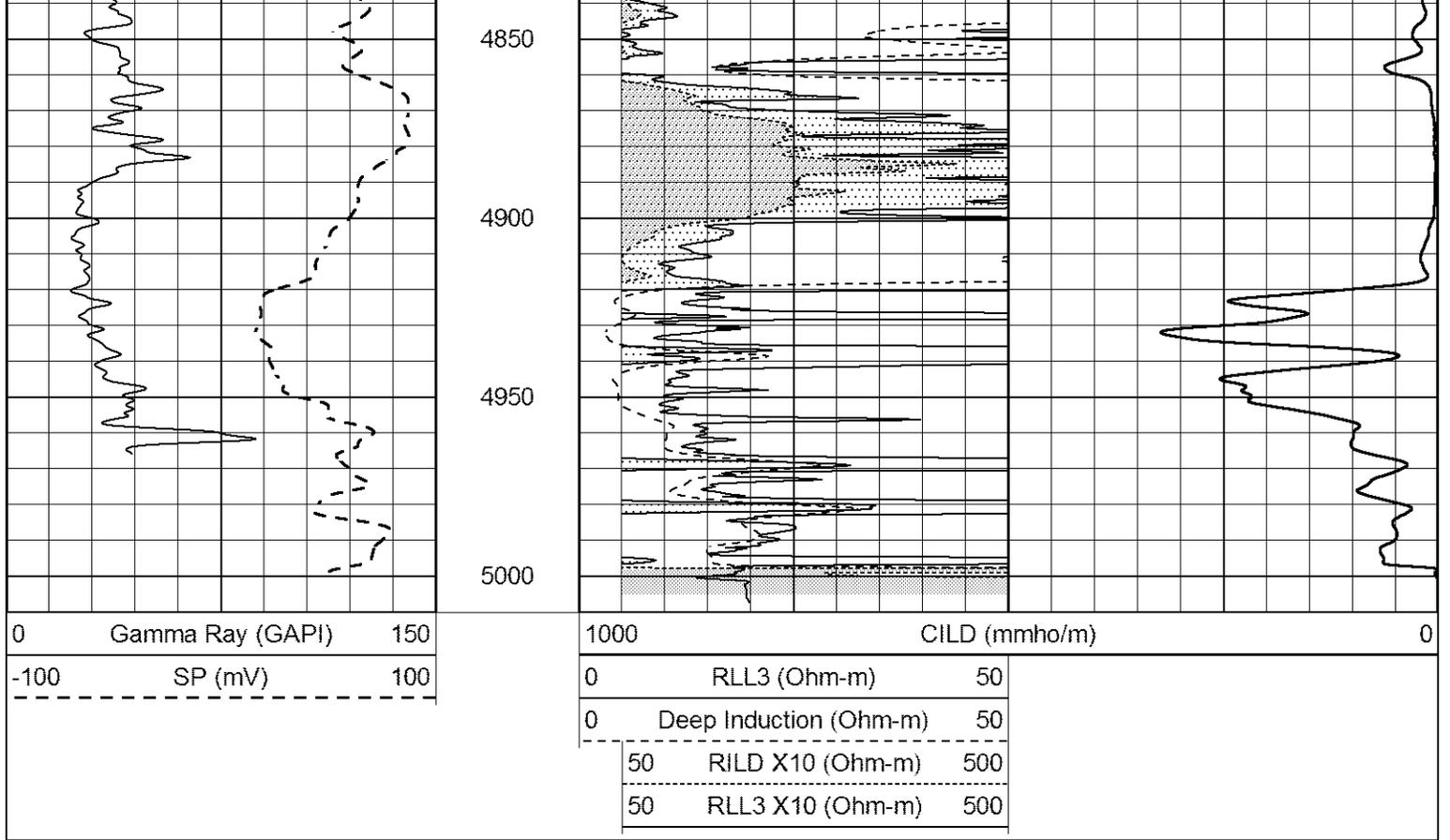


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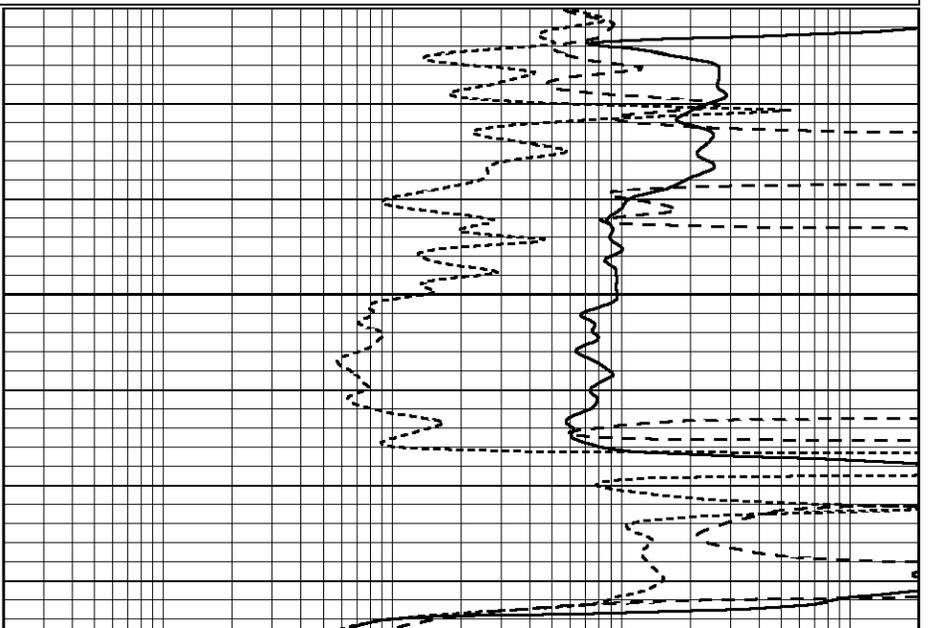
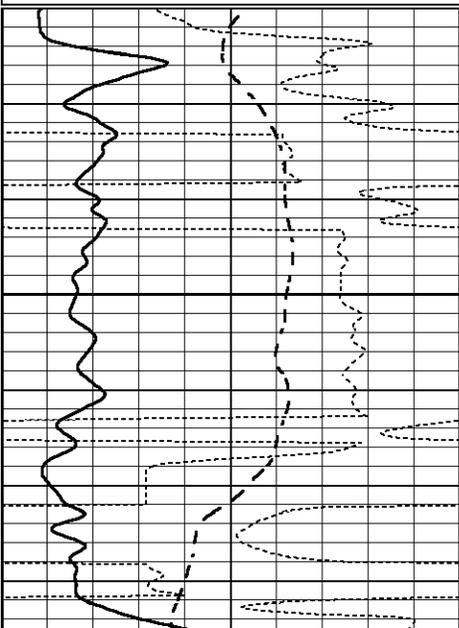


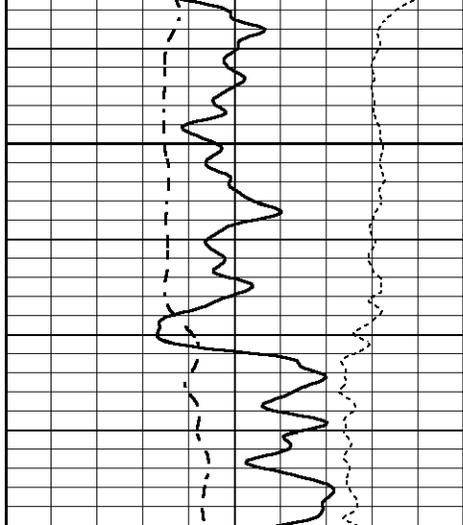
ANHYDRITE

Database File 7057pe.db
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 Presentation Format _dil
 Dataset Creation Thu Dec 21 13:59:16 2023
 Charted by Depth in Feet scaled 1:240

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

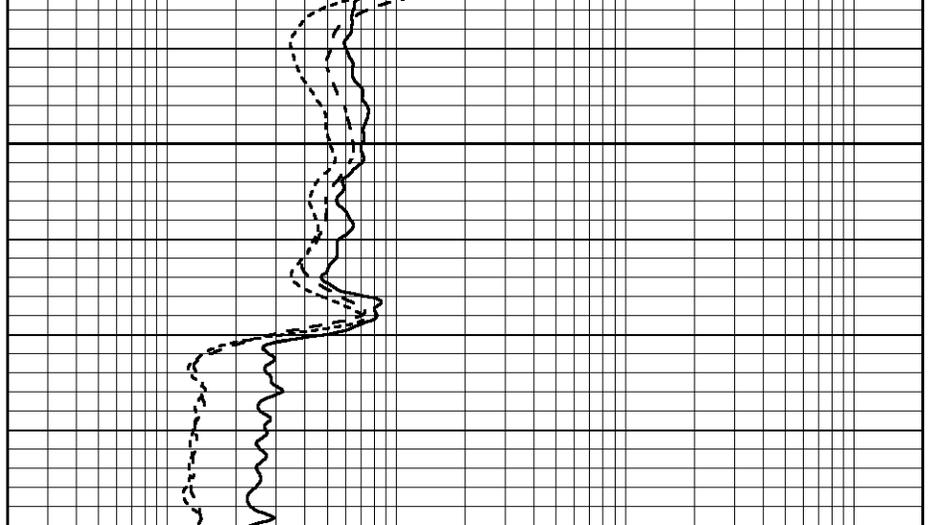
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000





2200

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

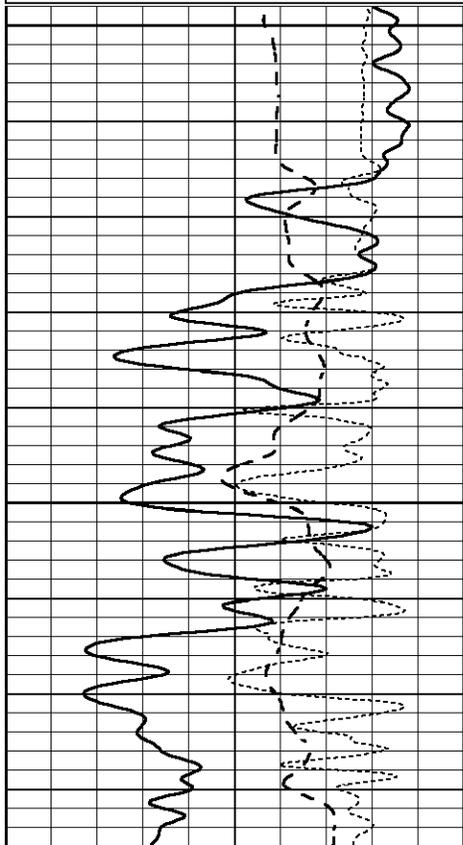


MAIN SECTION

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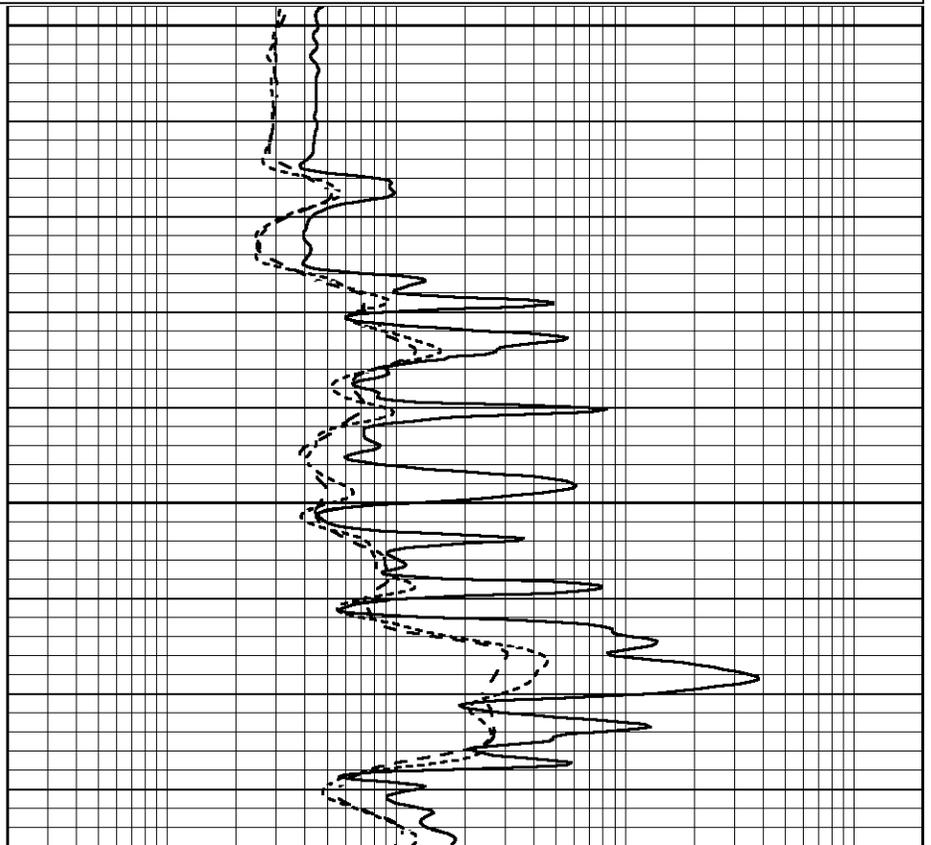
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-100	SP (mV)	100
-250	Rxo/Rt	50

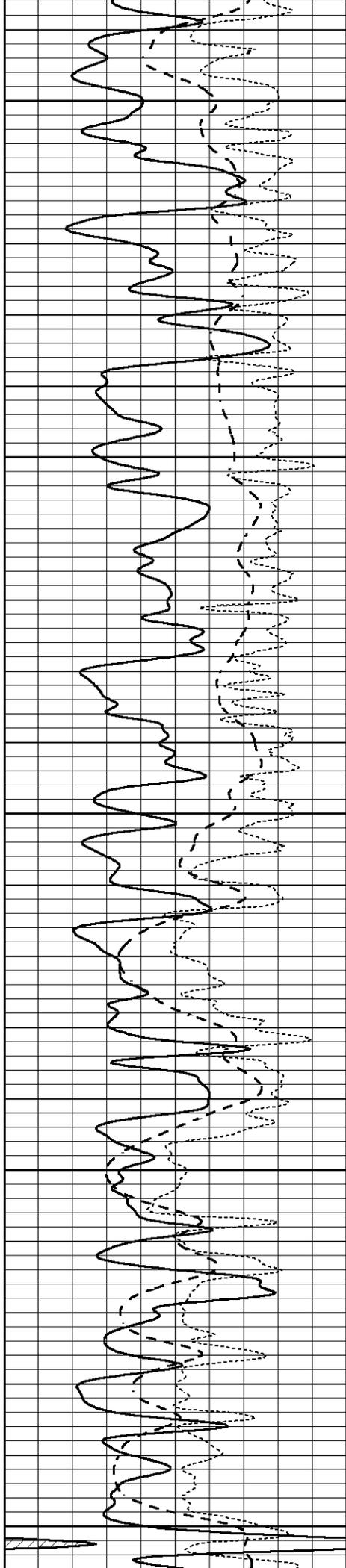
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



3500

3550





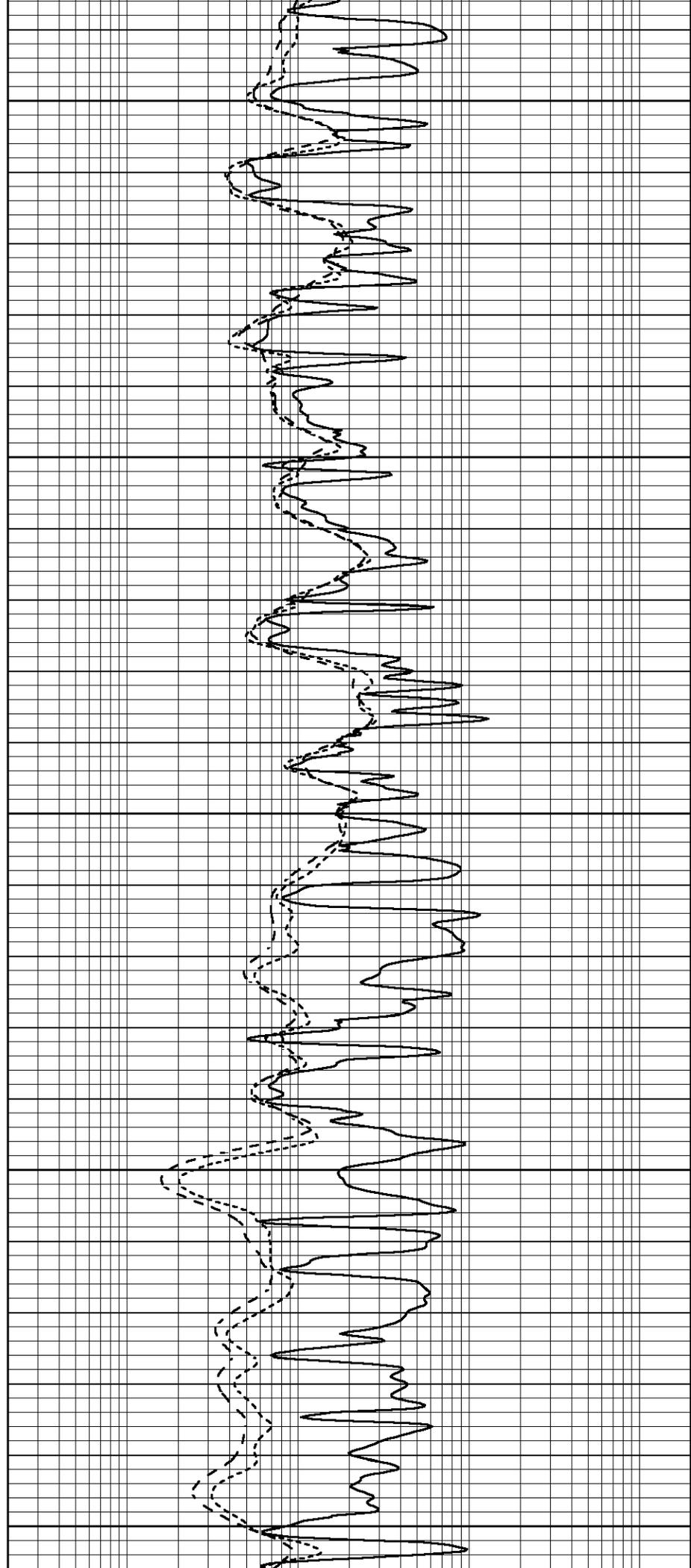
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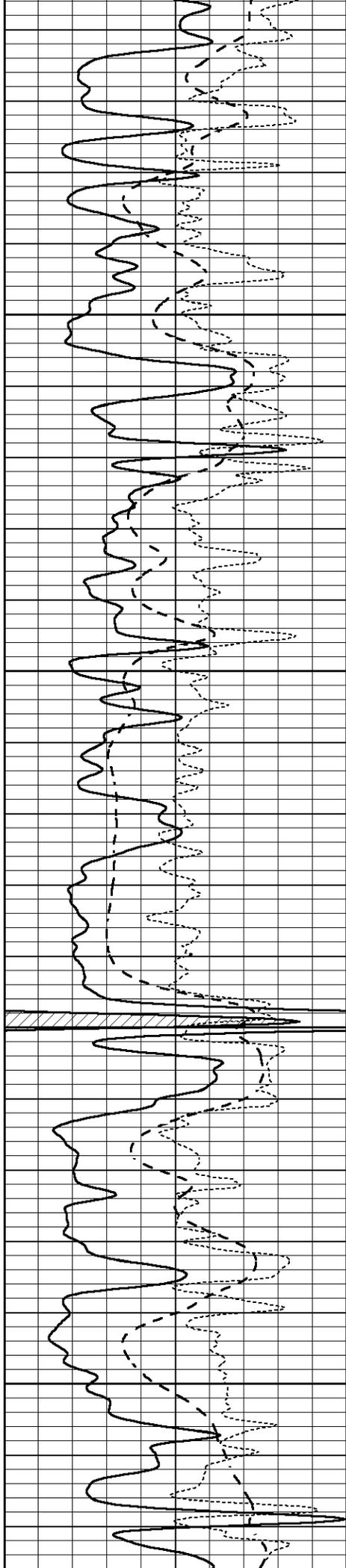
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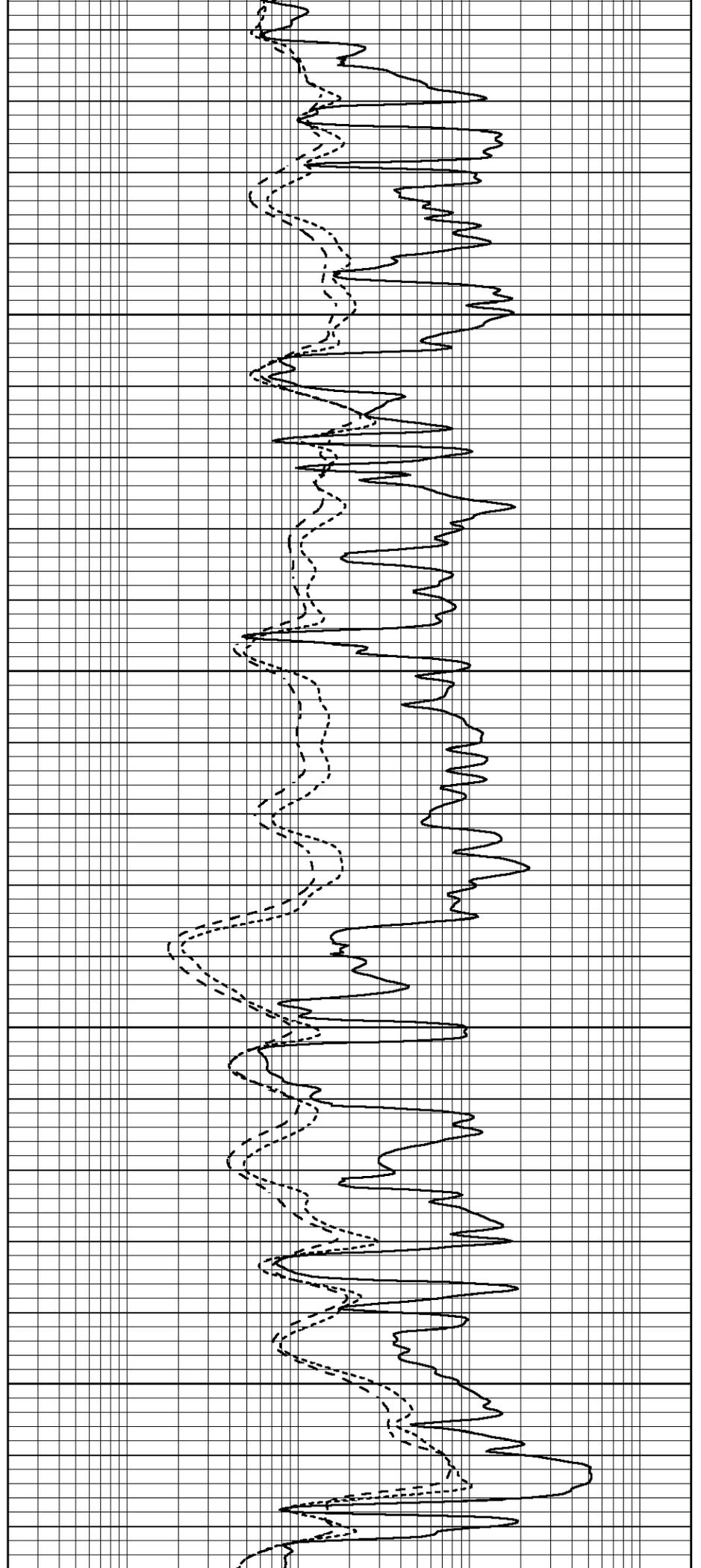


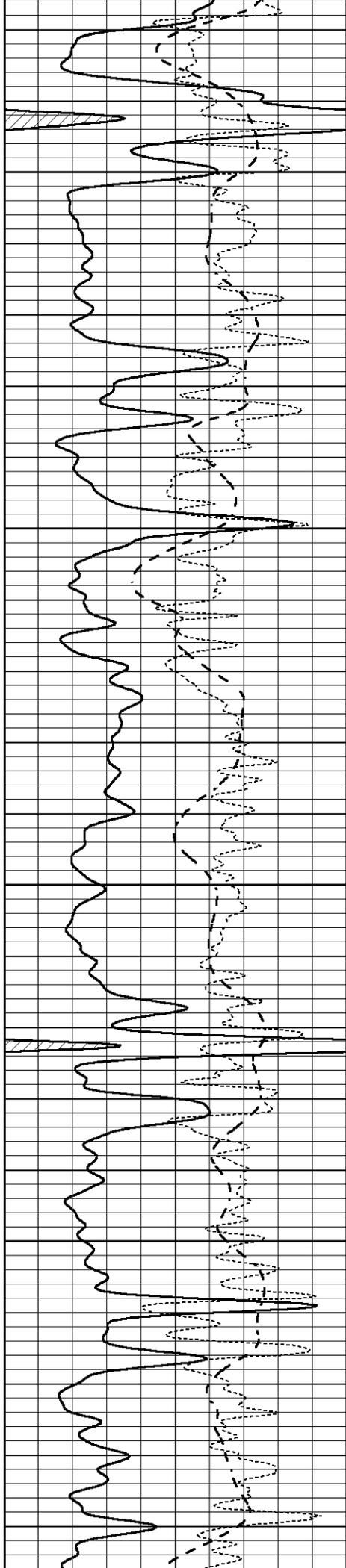
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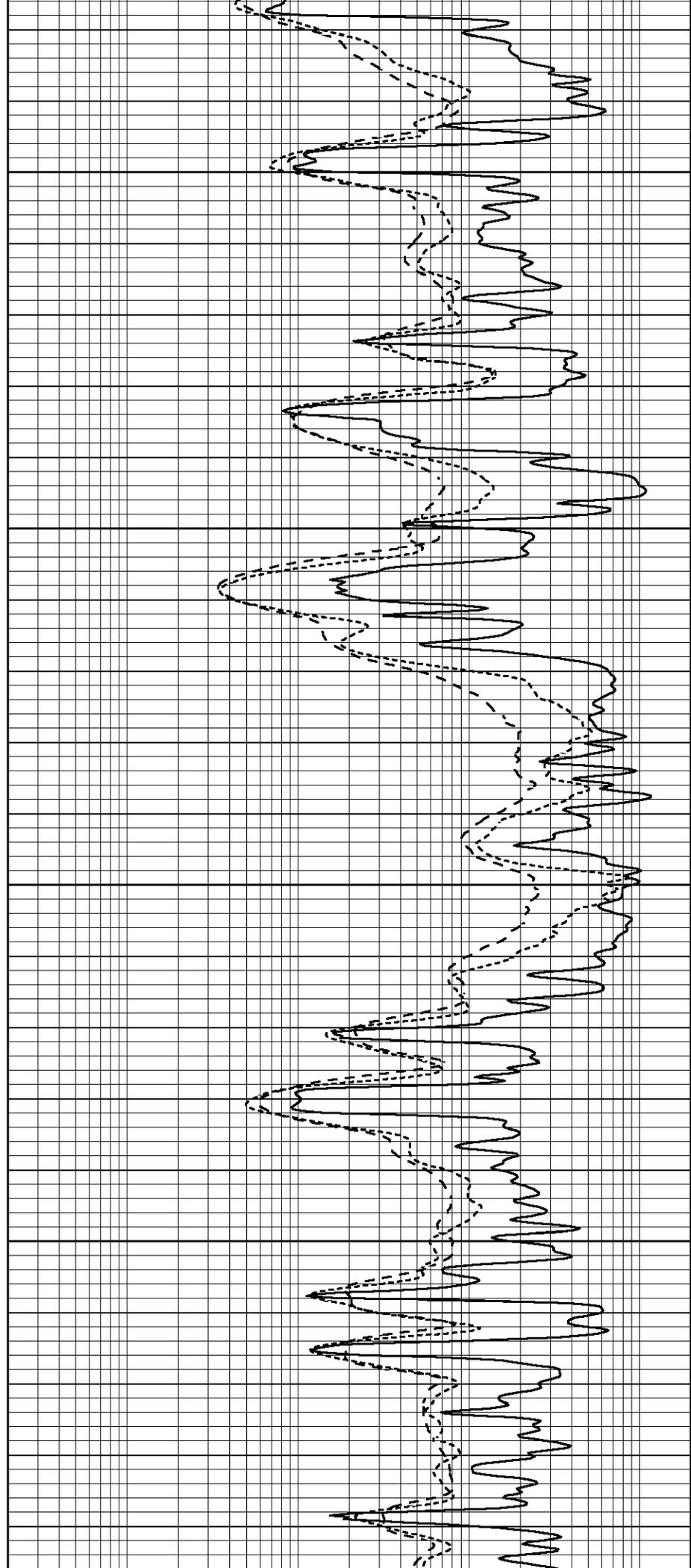


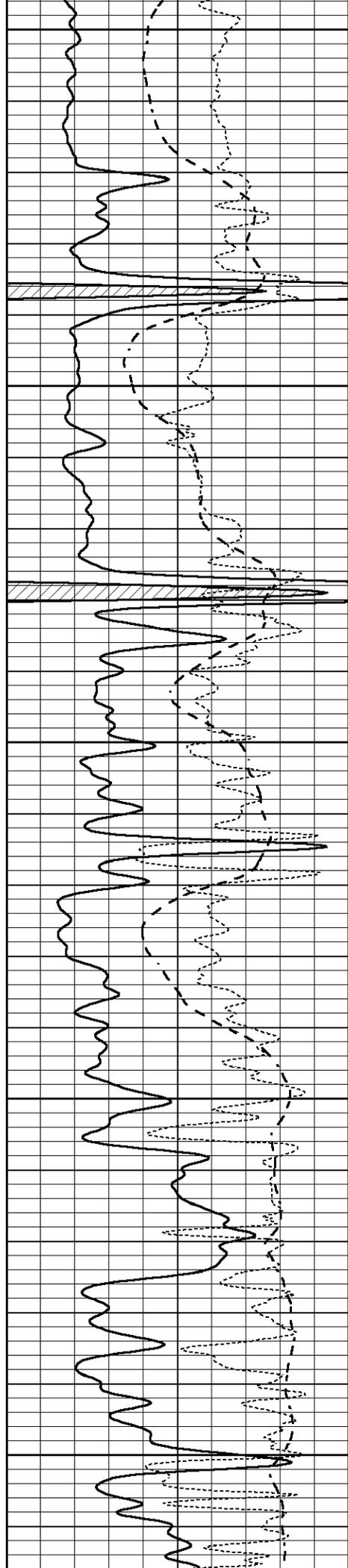
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4200





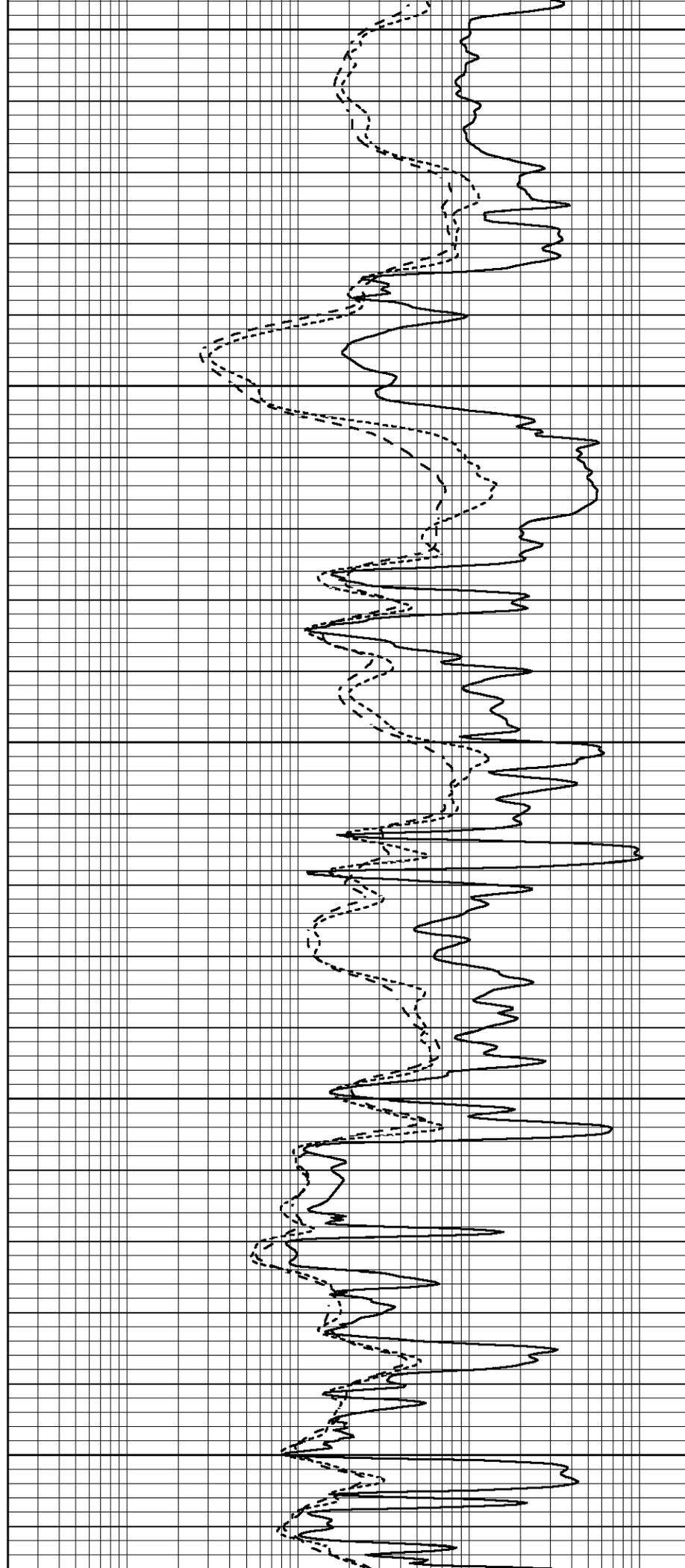
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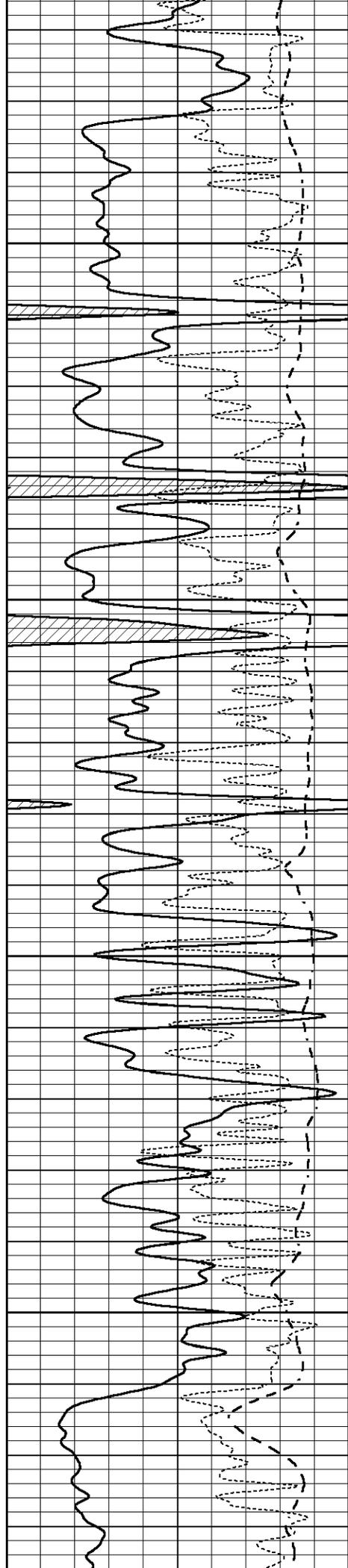
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4350

4400

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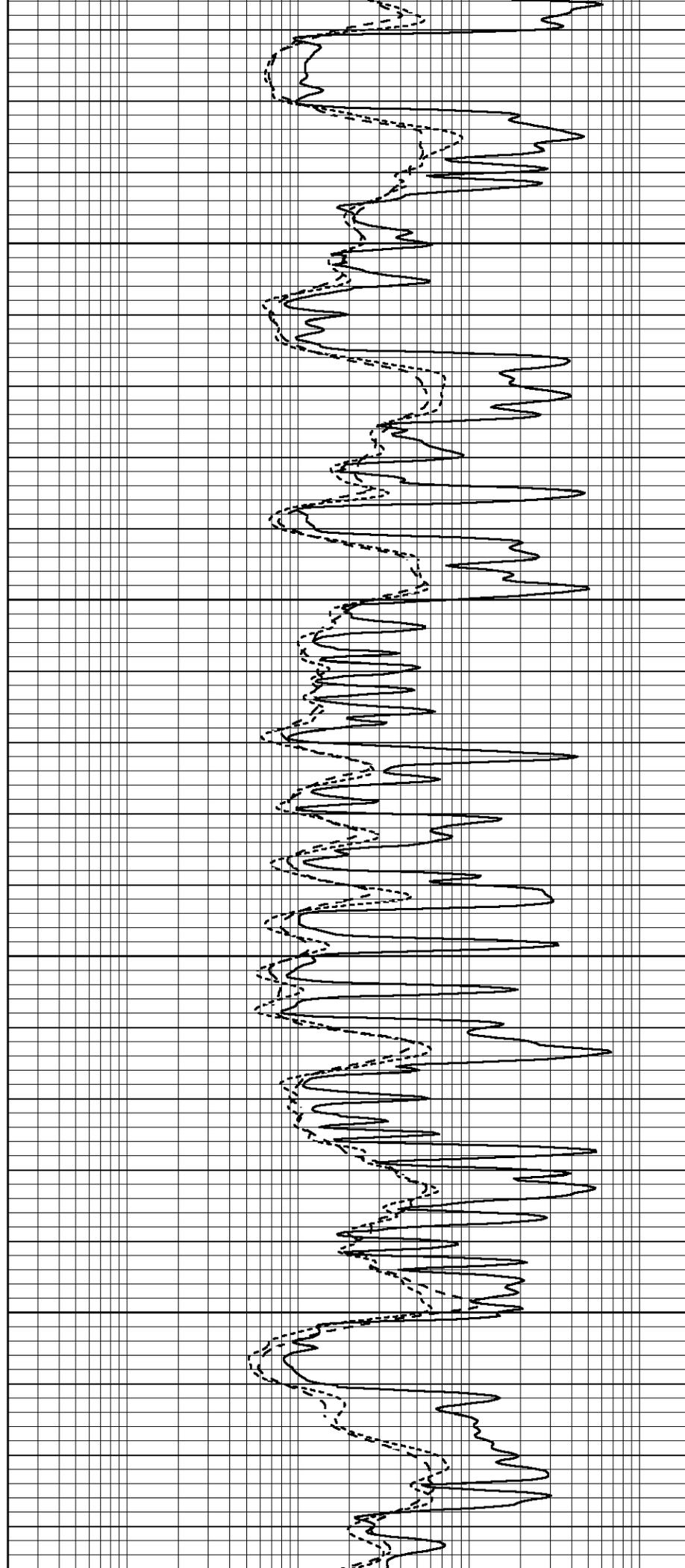


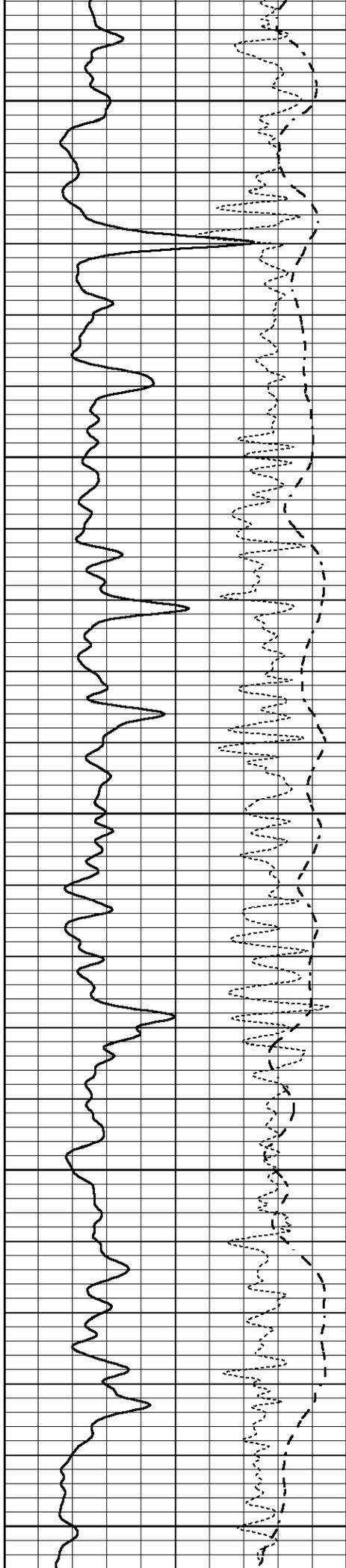
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4600

4650





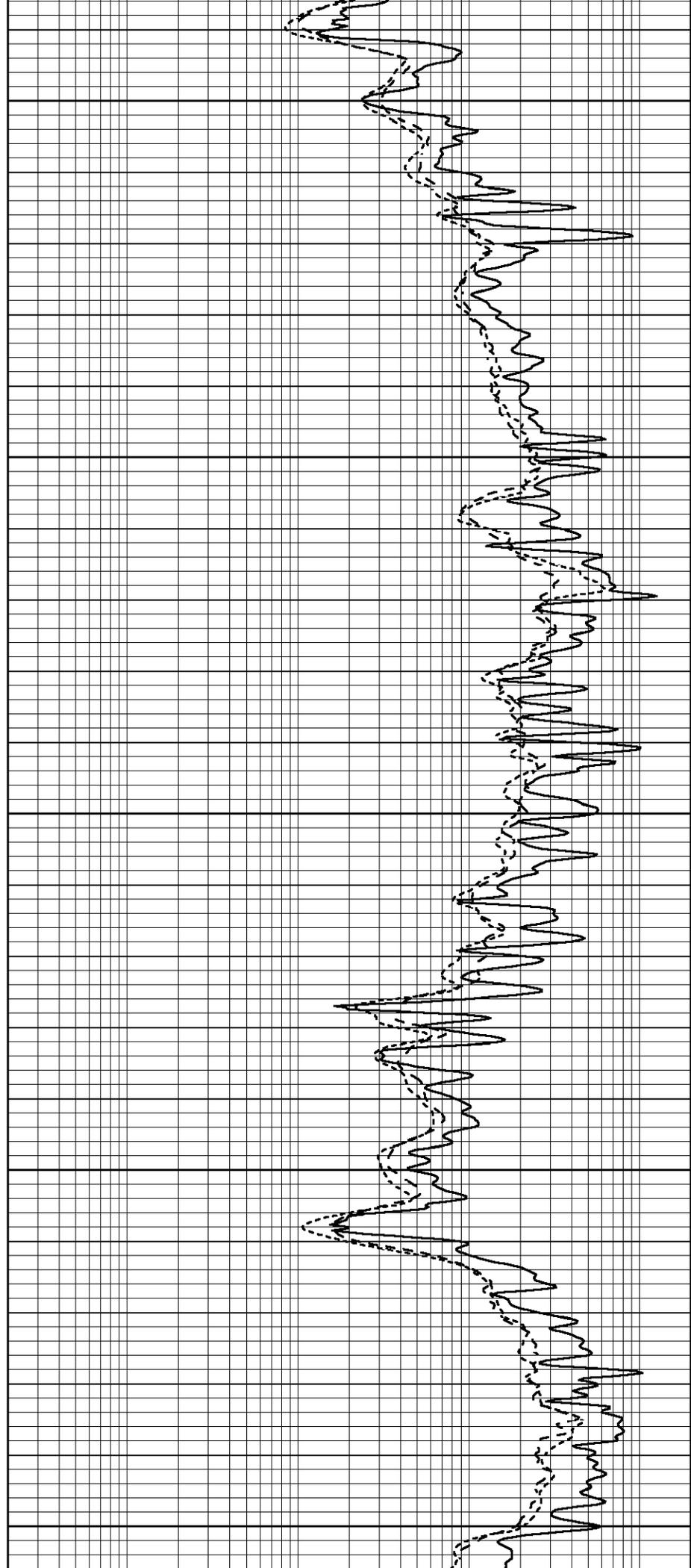
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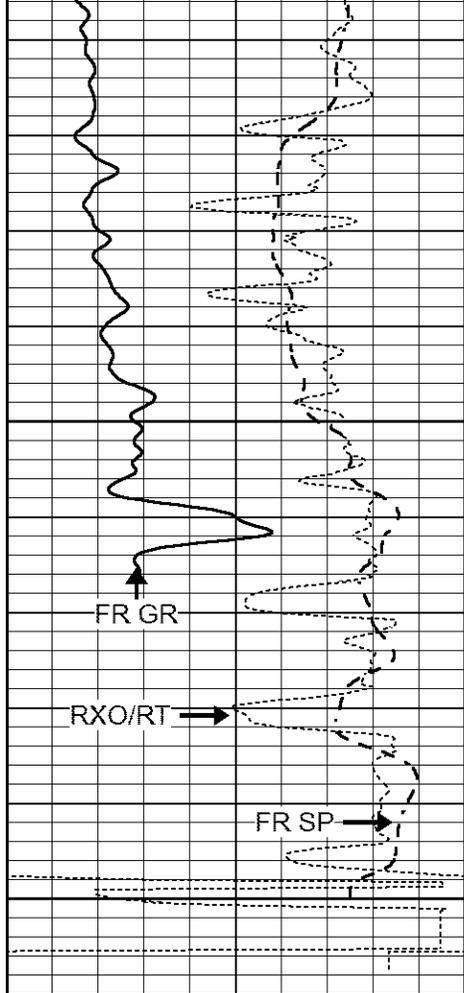
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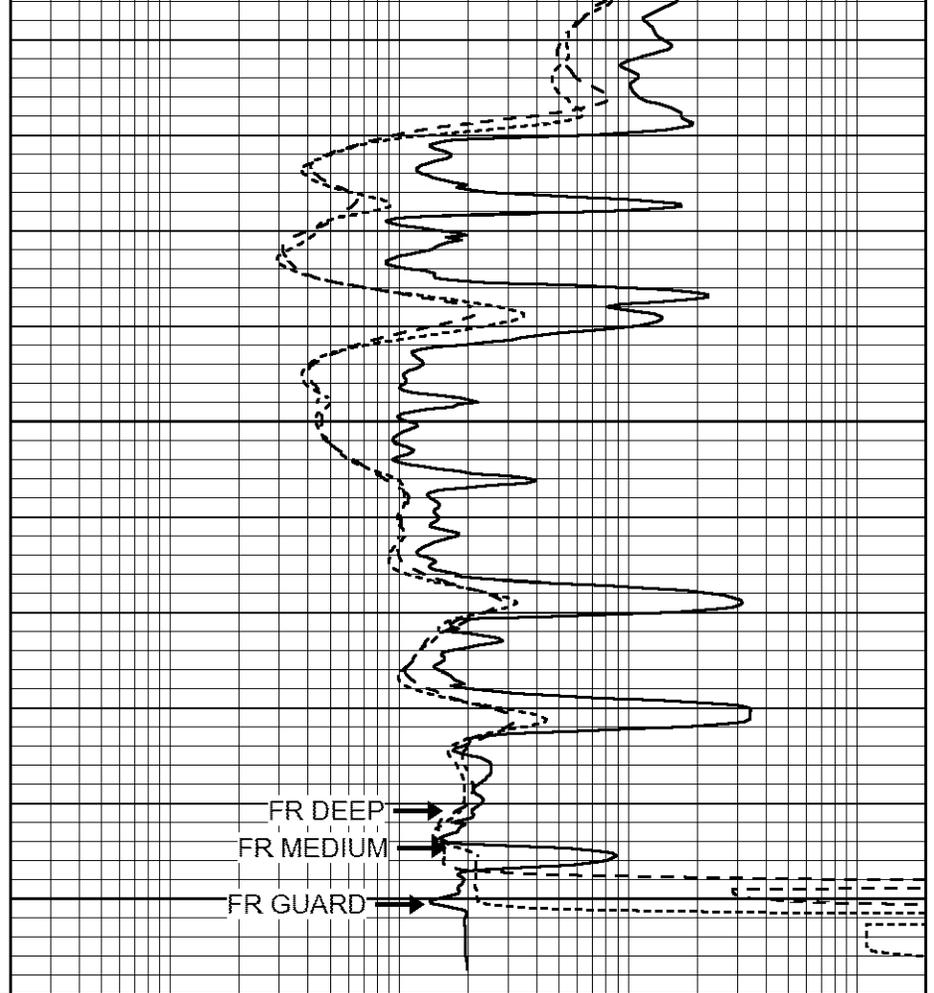




4950

5000
LTD 5003

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

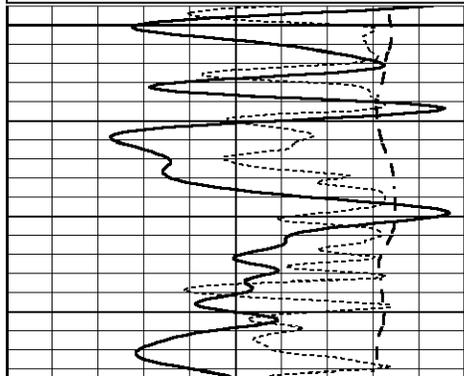


REPEAT SECTION

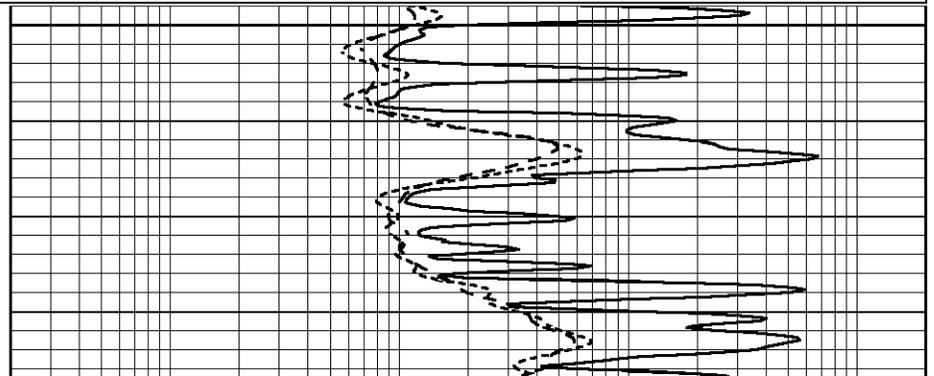
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 Presentation Format _dil
 Dataset Creation Thu Dec 21 14:08:29 2023
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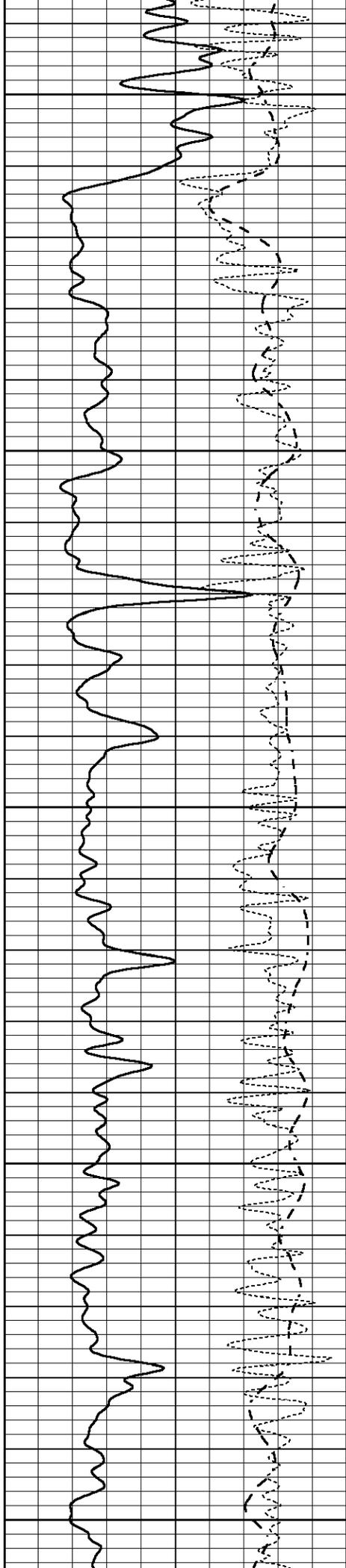
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

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



4600





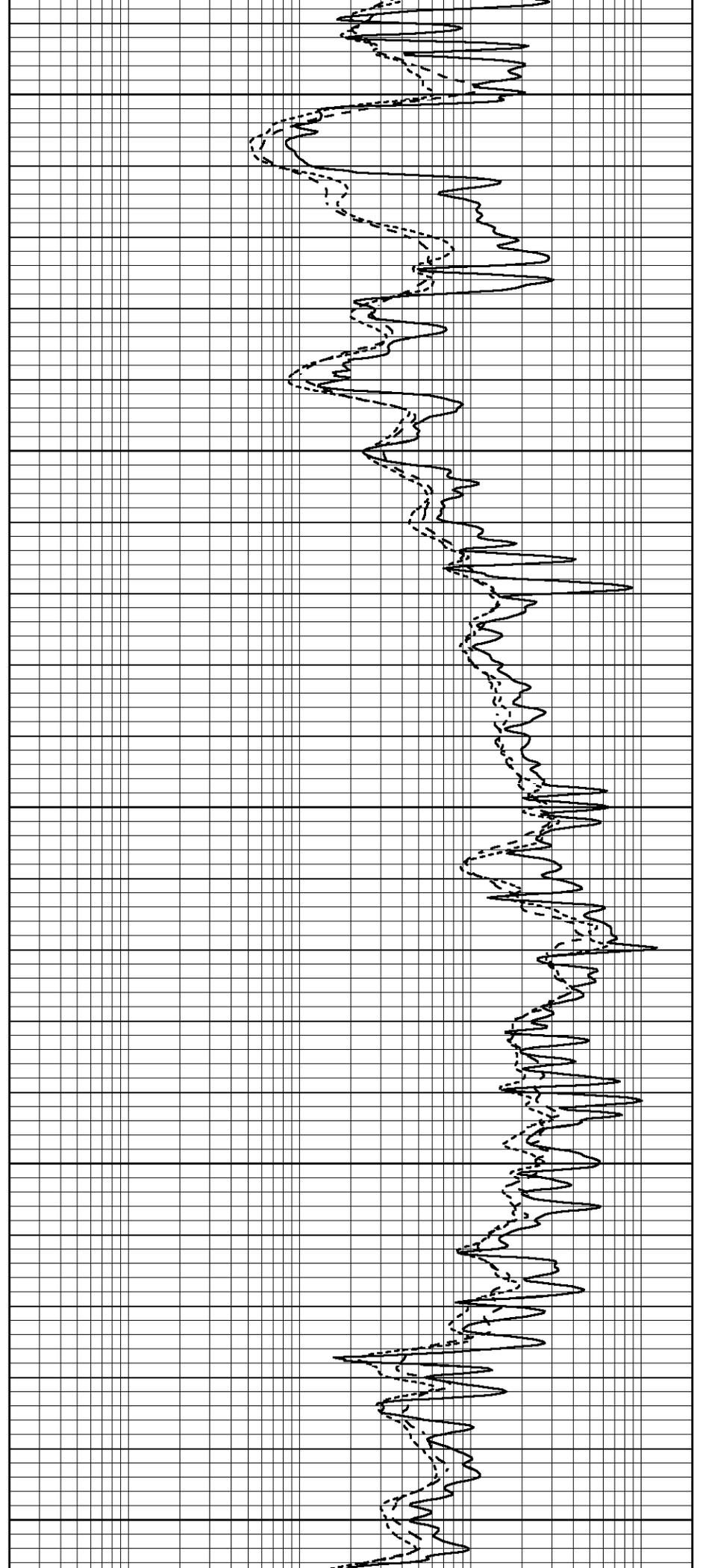
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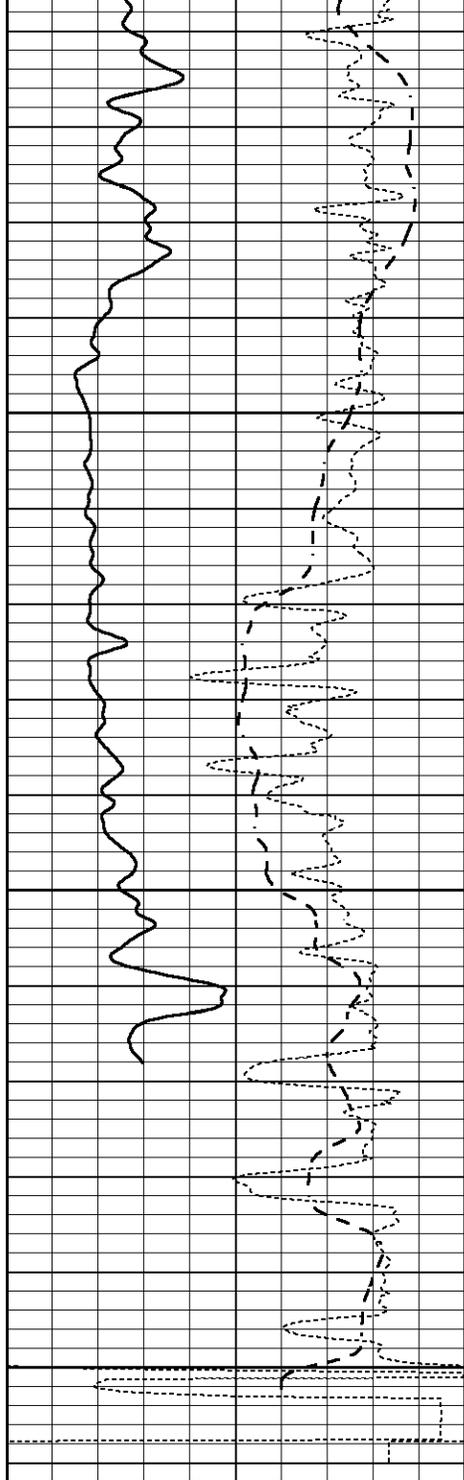
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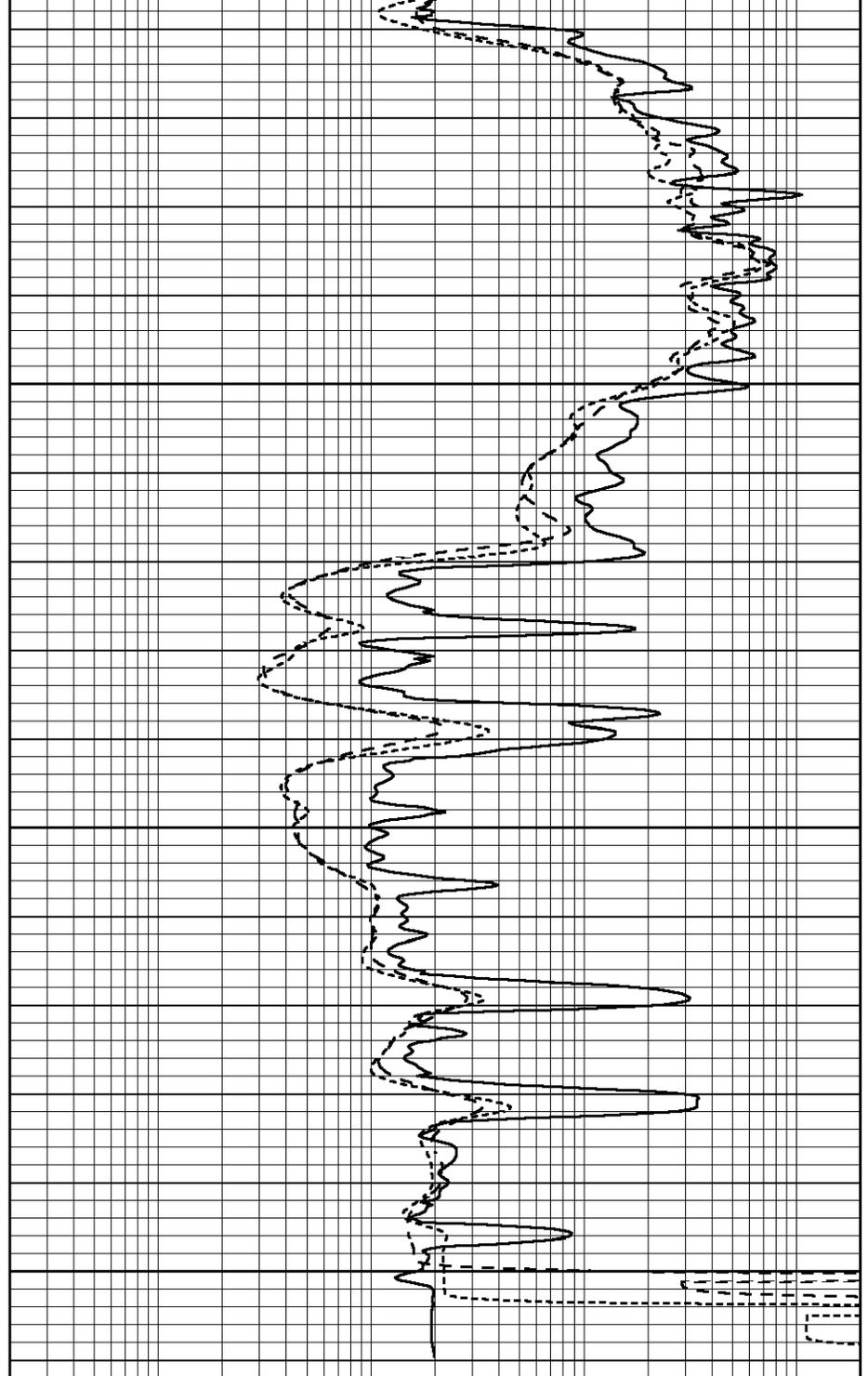


4900

4950

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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

Calibration Report

Database File 7057pe.db
 Dataset Pathname pass4M
 Dataset Creation Thu Dec 21 14:25:30 2023

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
 Surface Cal Performed: Sat Jul 29 01:57:42 2023
 Downhole Cal Performed: Tue Feb 19 11:44:24 2019
 After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	565.000	-5.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-7.000
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: 003 Model: PRB

Master Calibration					Performed Mon May 22 11:42:40 2023			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1512.3	7465.7	2749.0	2519.6				cps
Window 2	1398.8	6705.7	2507.3	2313.8				cps
Window 3	1289.2	5259.5	2124.1	2009.6				cps
Window 4	351.1	351.6	351.8	353.2				cps
Long Space	0.0	5306.9	1108.5	915.0				cps
Short Space	3.3	2239.9	1441.2	1212.0				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 44.3	Rib Slope	: 0.975	Density/Spine Ratio			: 0.541	
Spine Angle	: 74.3	Spine Slope	: 3.551	Spine Intercept			: -18.8	

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				

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: 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: 46001
Tool Model: Probe1
Performed: Thu Apr 20 09:55:57 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.4300 GAPI/cps