



**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**DUAL  
INDUCTION  
LOG**

Company VINCENT OIL CORP.  
Well SMITH #2-8  
Field  
County FORD  
State KANSAS

Company VINCENT OIL CORPORATION  
Well SMITH #2-8  
Field  
County FORD State KANSAS

Location: 2460' FSL & 1505' FWL  
API # : 15-057-20936-0000  
SEC 8 TWP 29S RGE 22W  
Permanent Datum GROUND LEVEL Elevation 2523  
Log Measured From KELLY BUSHING 10' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
MEL/SON  
Elevation  
K.B. 2533  
D.F. 2531  
G.L. 2523

Date	7/30/14
Run Number	ONE
Depth Driller	5440
Depth Logger	5434
Bottom Logged Interval	3432
Top Log Interval	0
Casing Driller	8 5/8" @ 686
Casing Logger	687
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.0/44
pH / Fluid Loss	10.5/12.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.90 @ 80F
Rmf @ Meas. Temp	0.68 @ 80F
Rmc @ Meas. Temp	1.08 @ 80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	0.56 @ 129F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	129F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF GRONEMEG
Witnessed By	KENLEBLANC

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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**

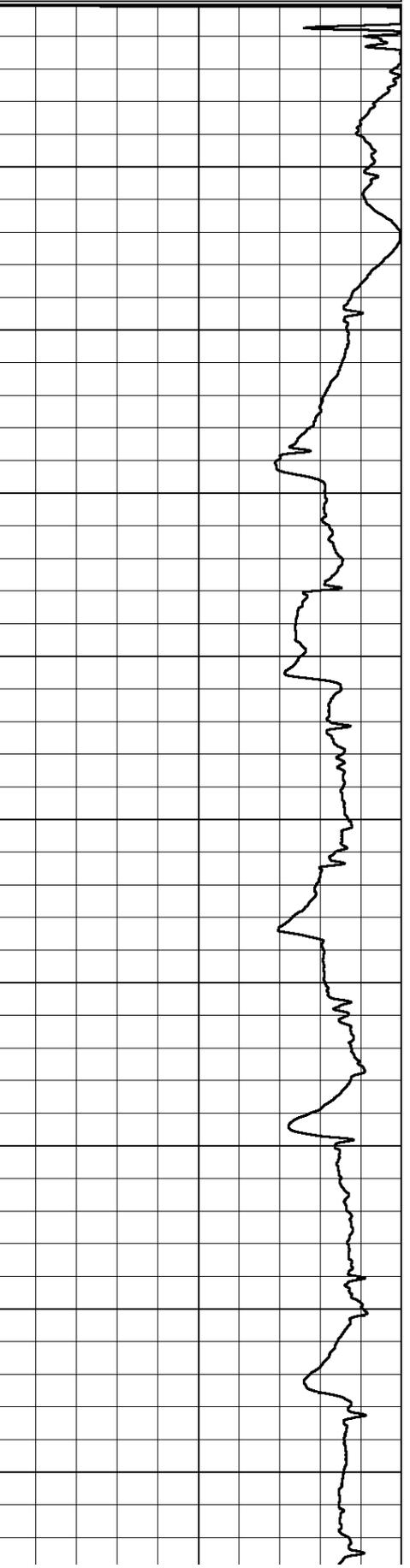
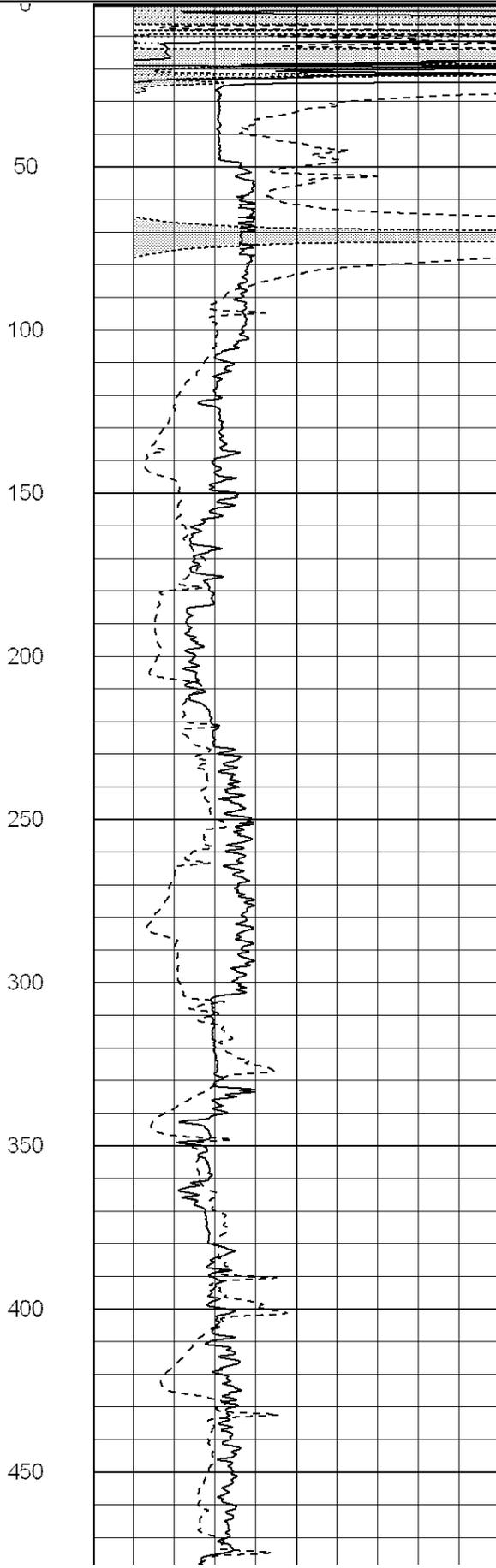
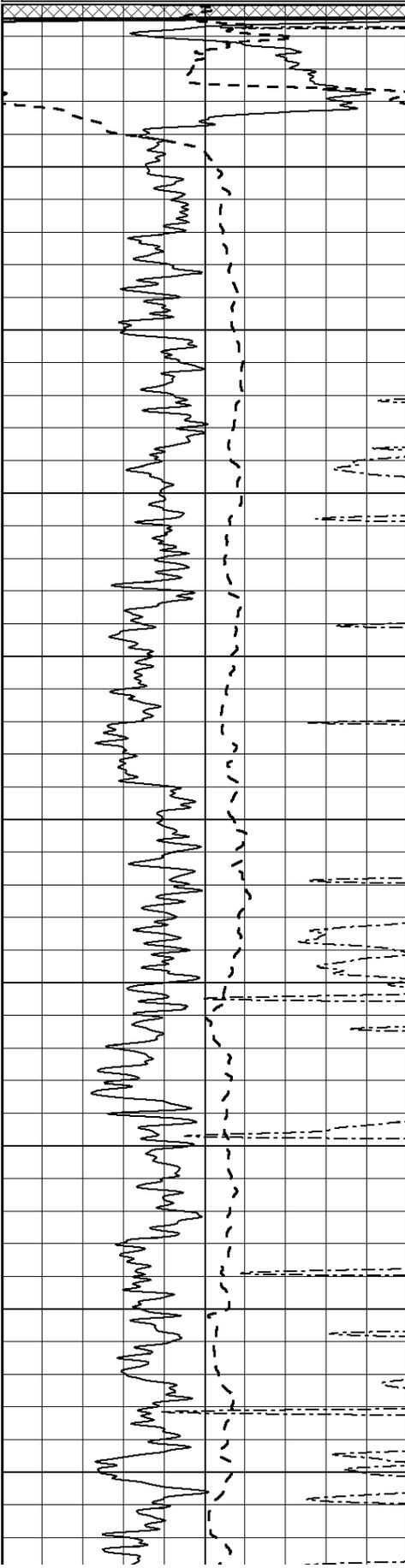
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
KINGSDOWN, KS - 1 1/2 MILES NORTH ON RD 125  
EAST INTO

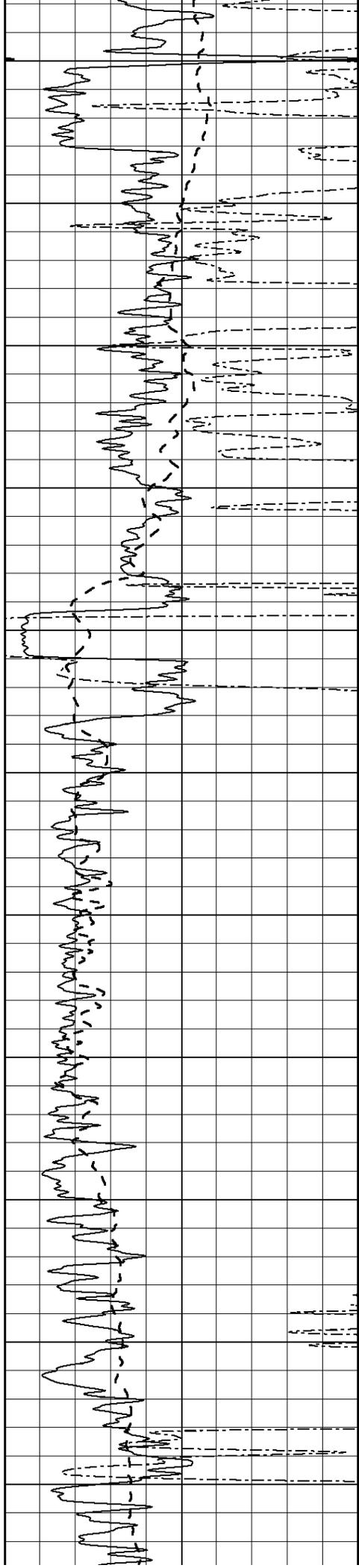
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Presentation Format: \_dil2  
Dataset Creation: Thu Jul 31 02:37:47 2014  
Charted by: Depth in Feet scaled 1:600

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

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

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





500

550

600

650

700

750

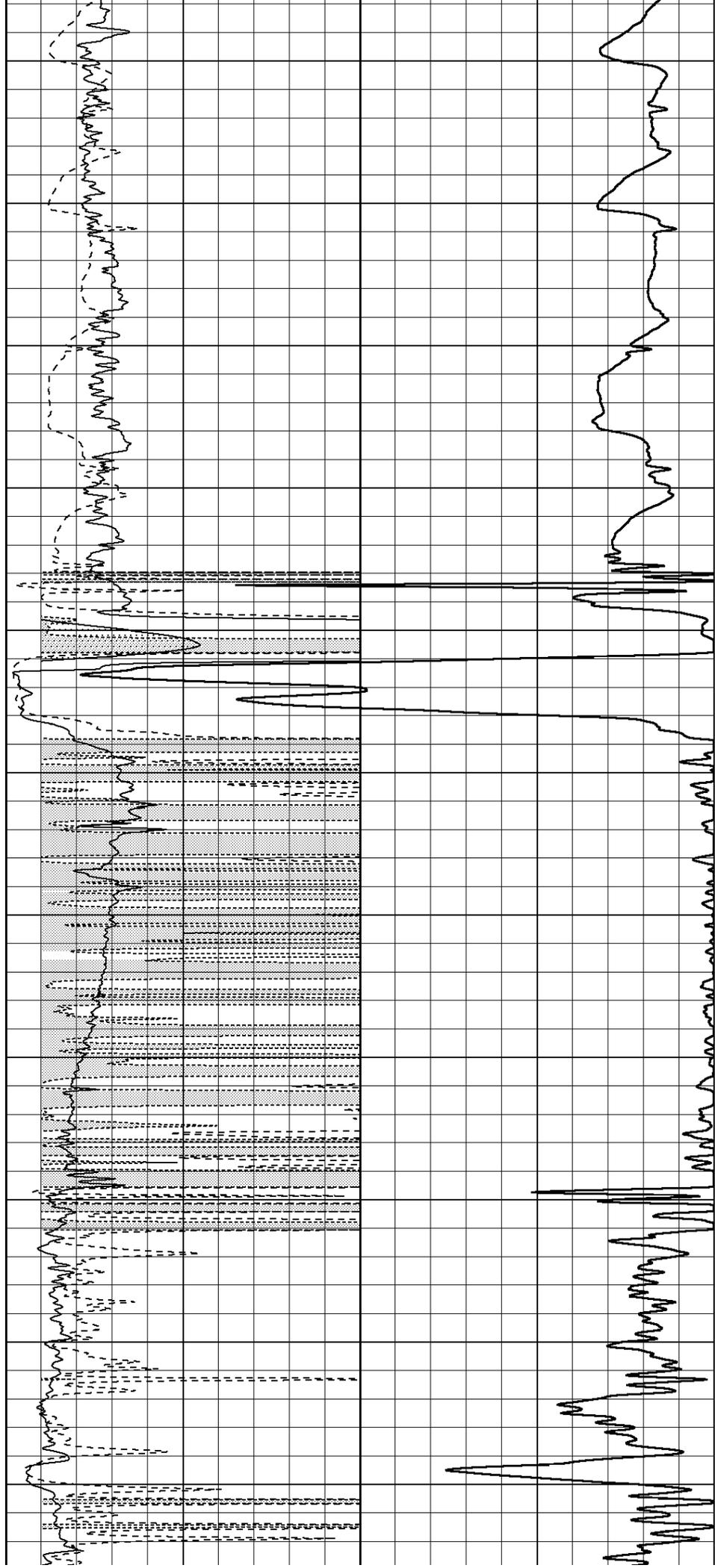
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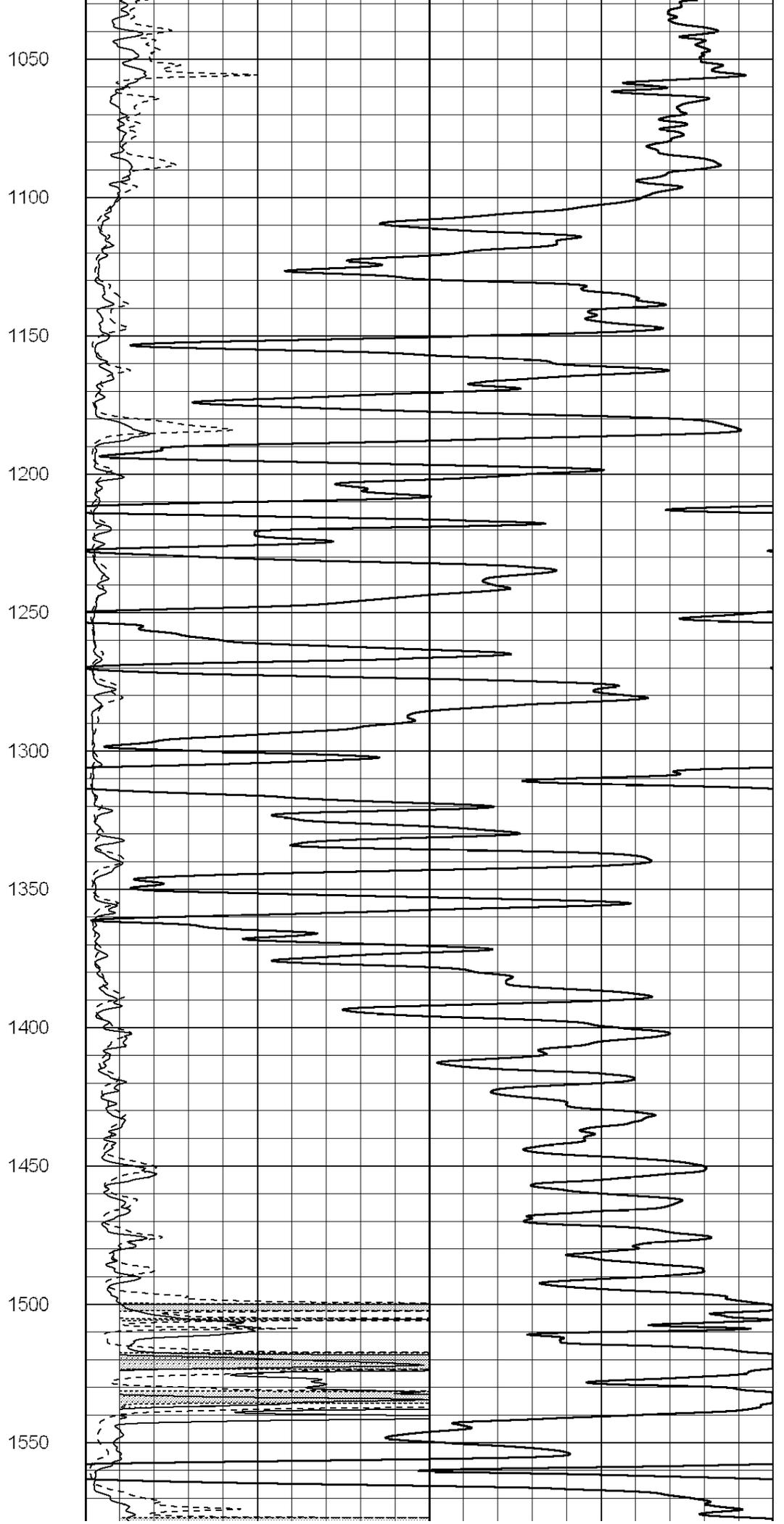
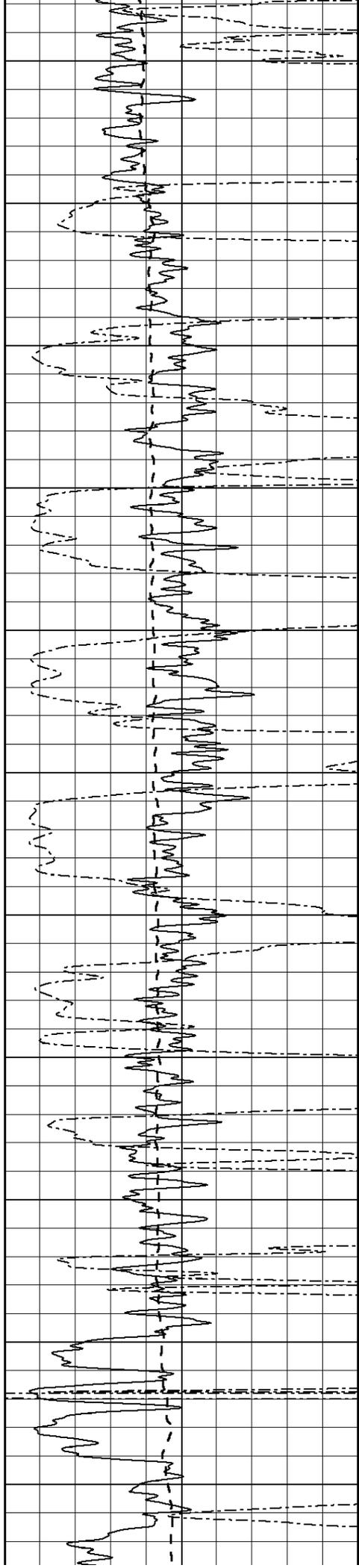
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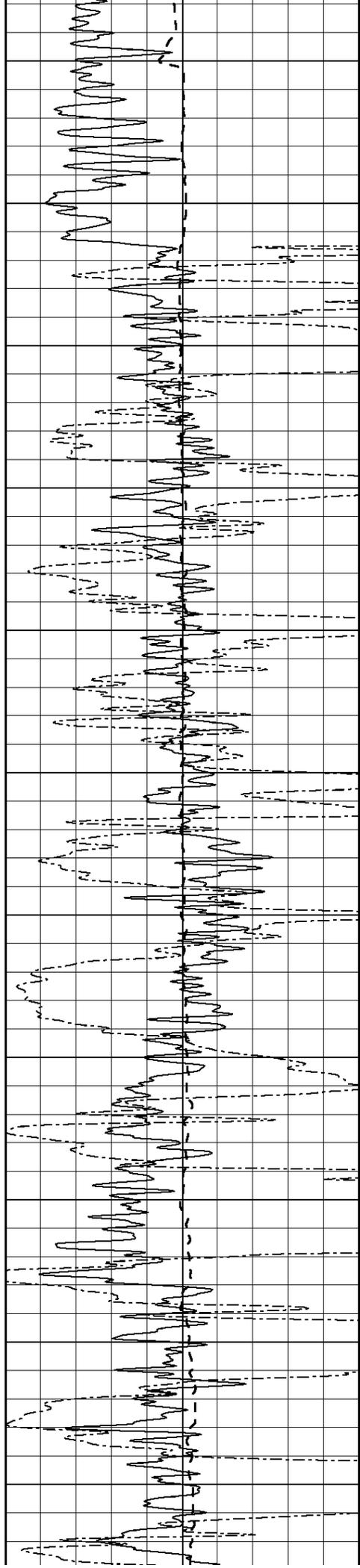
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950

1000







1600

1650

1700

1750

1800

1850

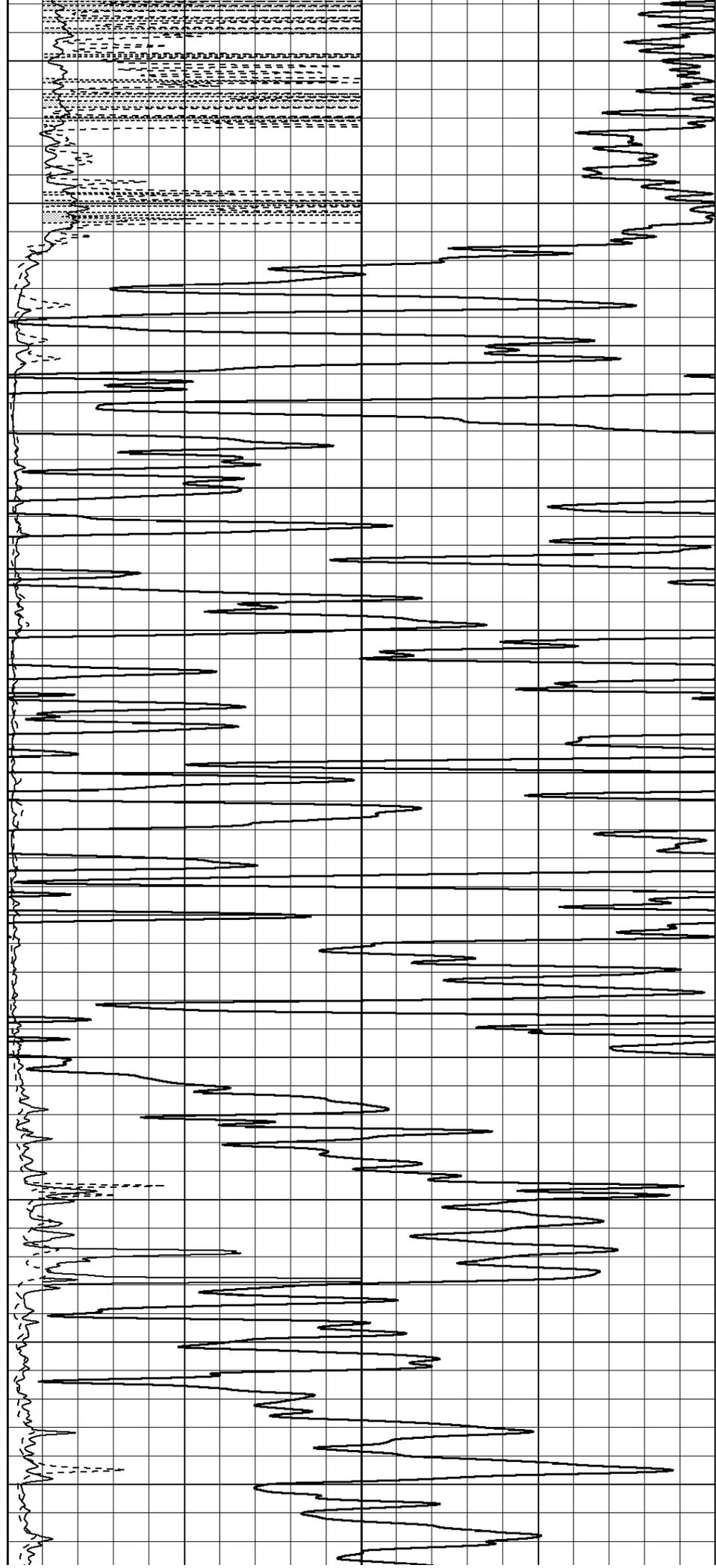
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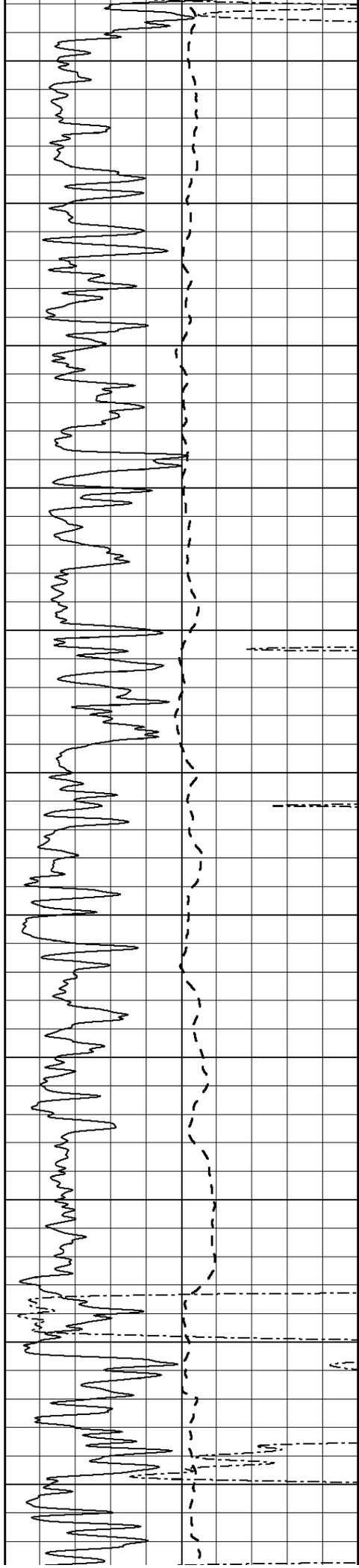
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2000

2050

2100





2150

2200

2250

2300

2350

2400

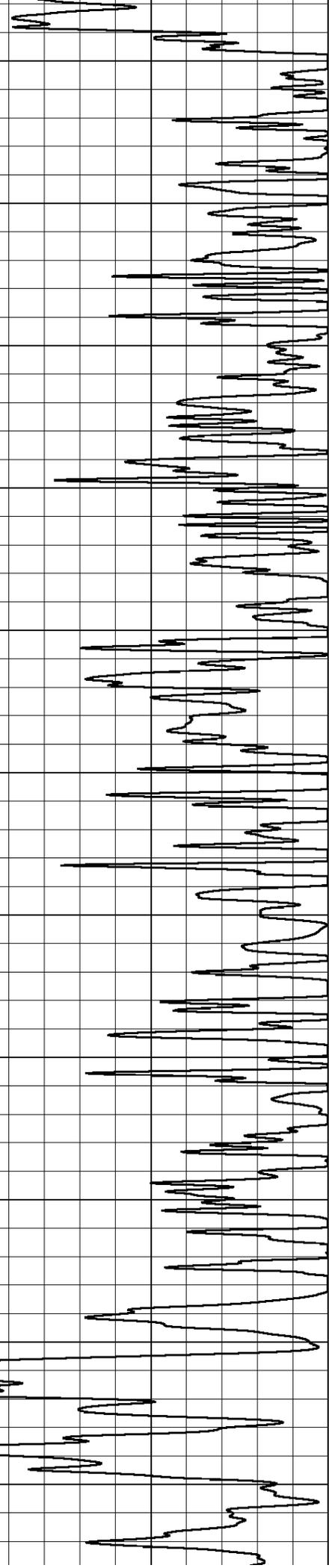
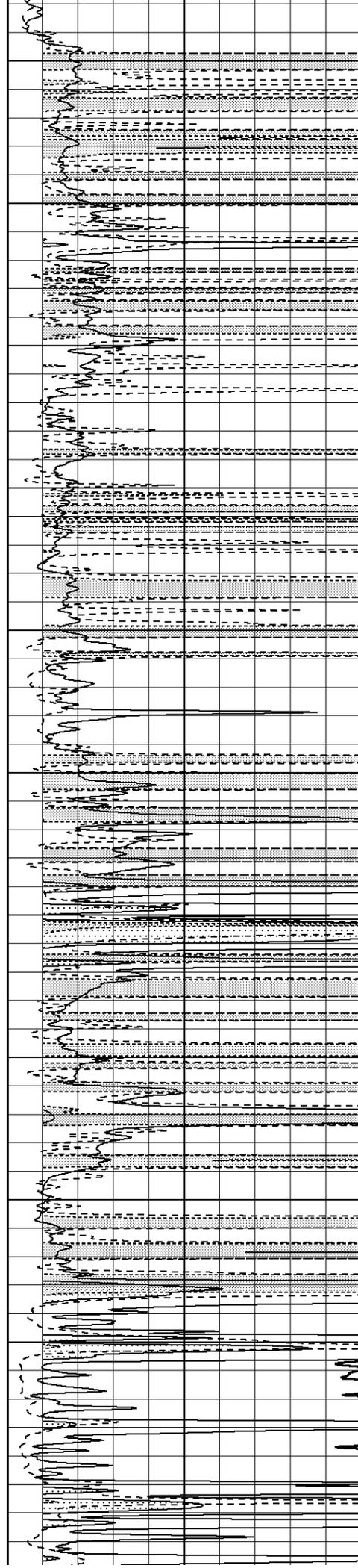
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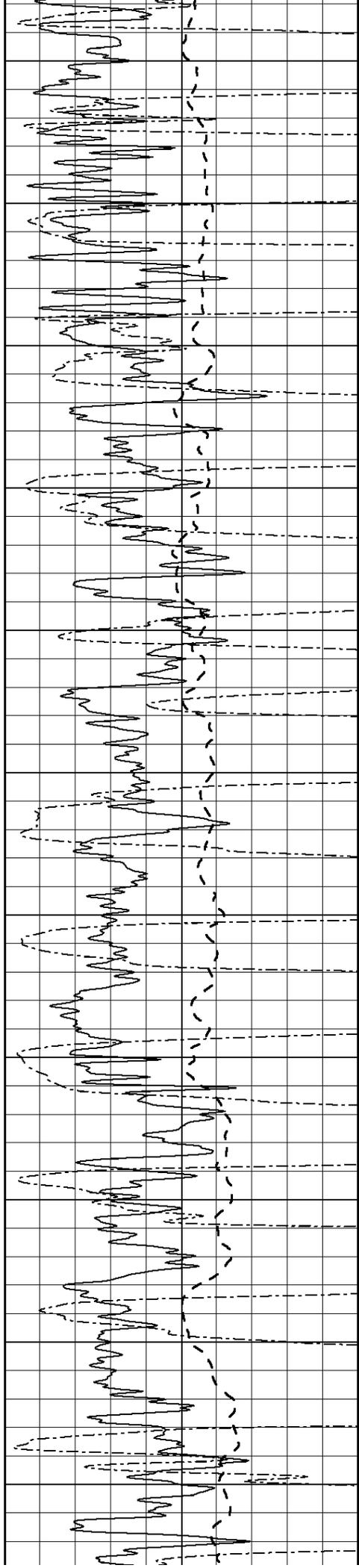
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2550

2600

2650





2700

2750

2800

2850

2900

2950

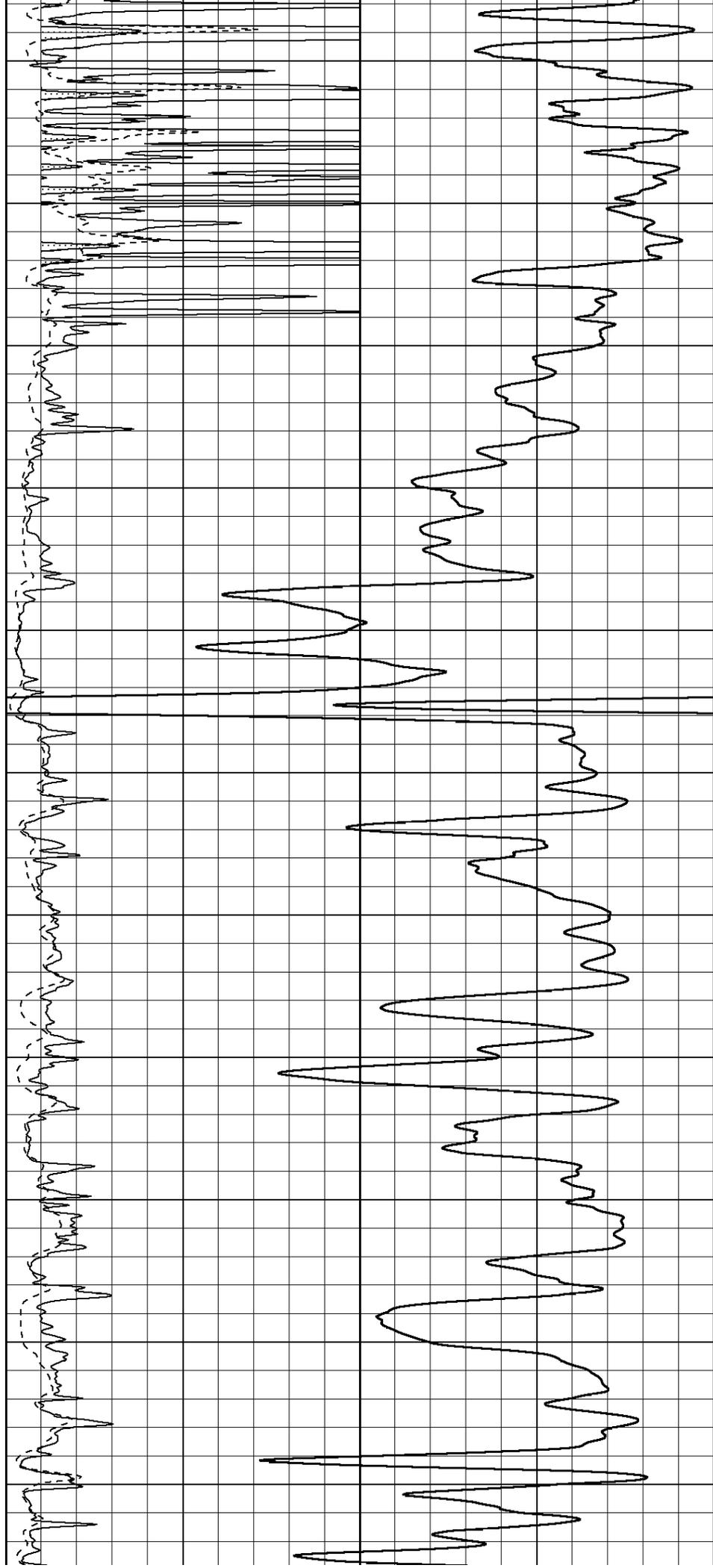
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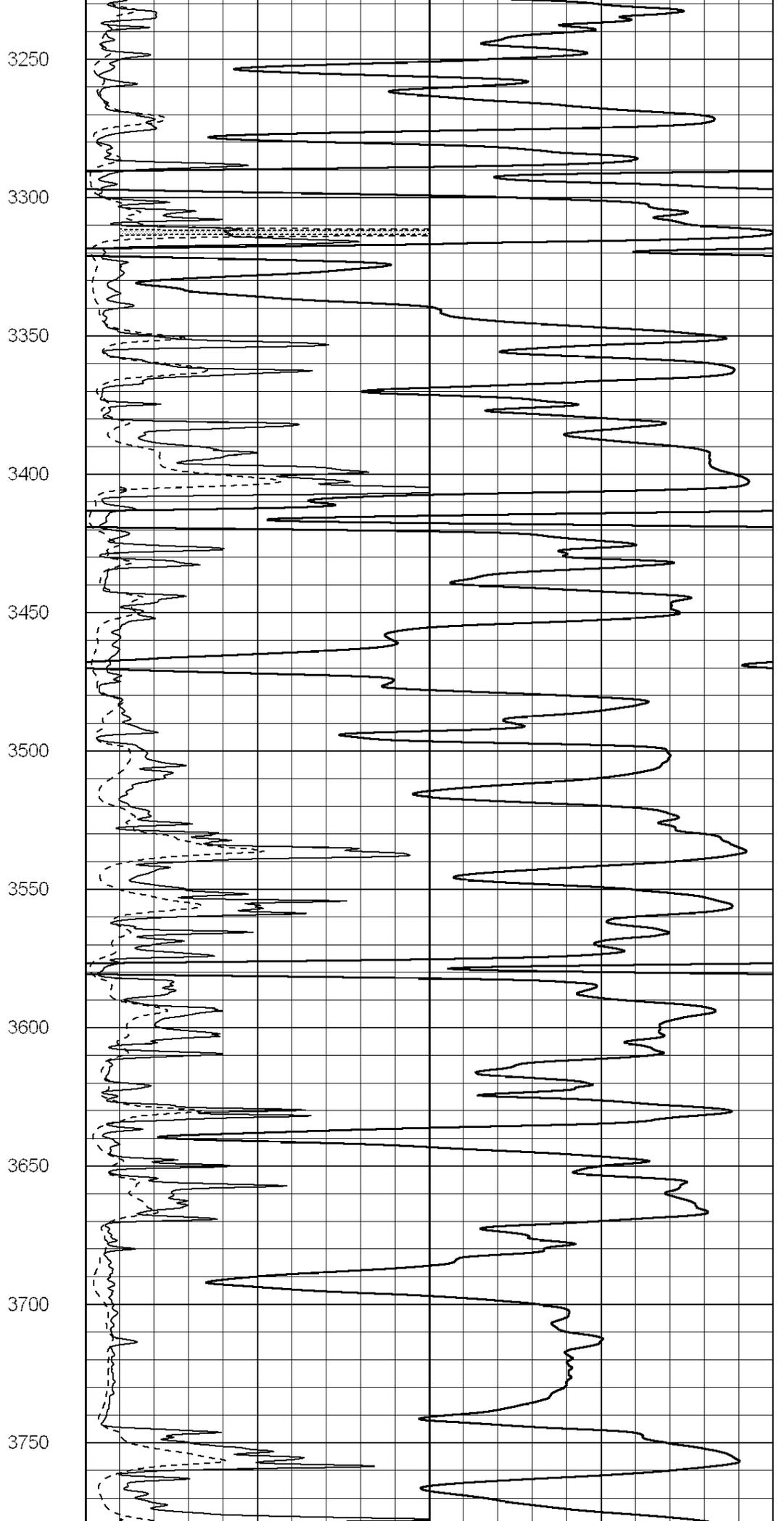
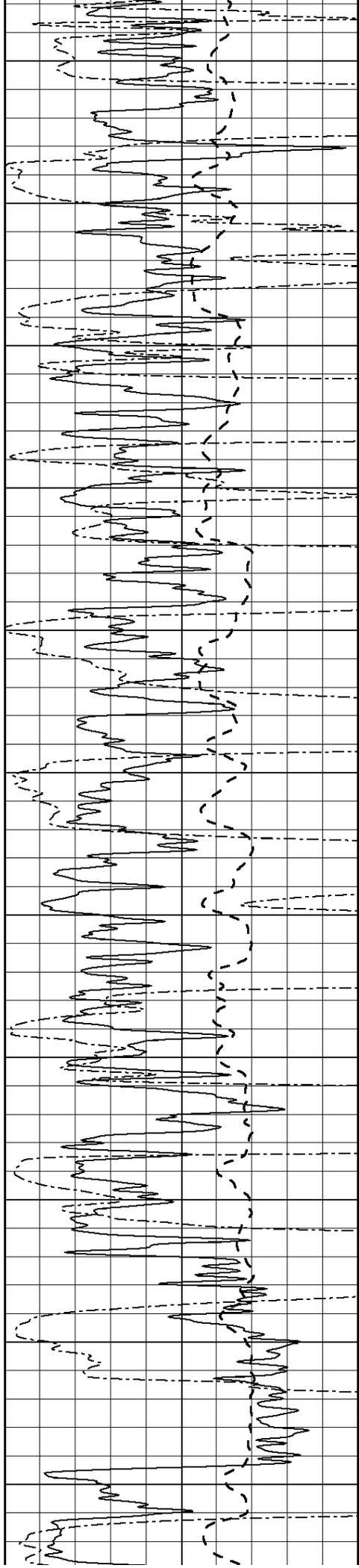
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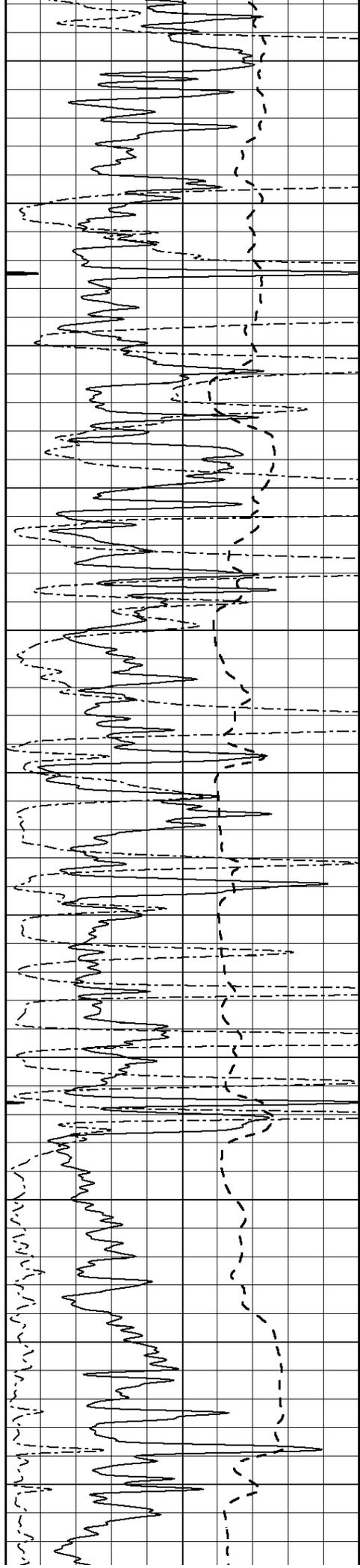
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3150

3200







3800

3850

3900

3950

4000

4050

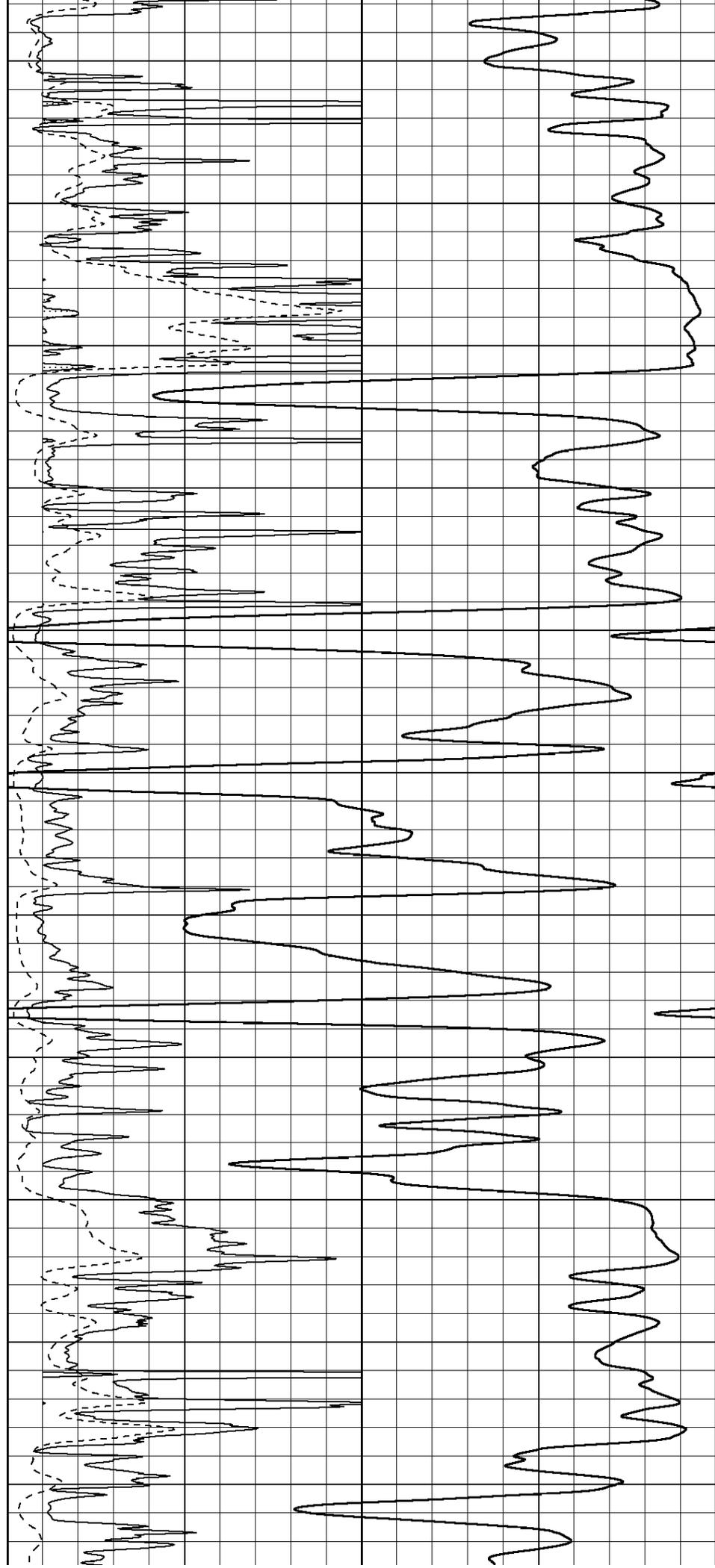
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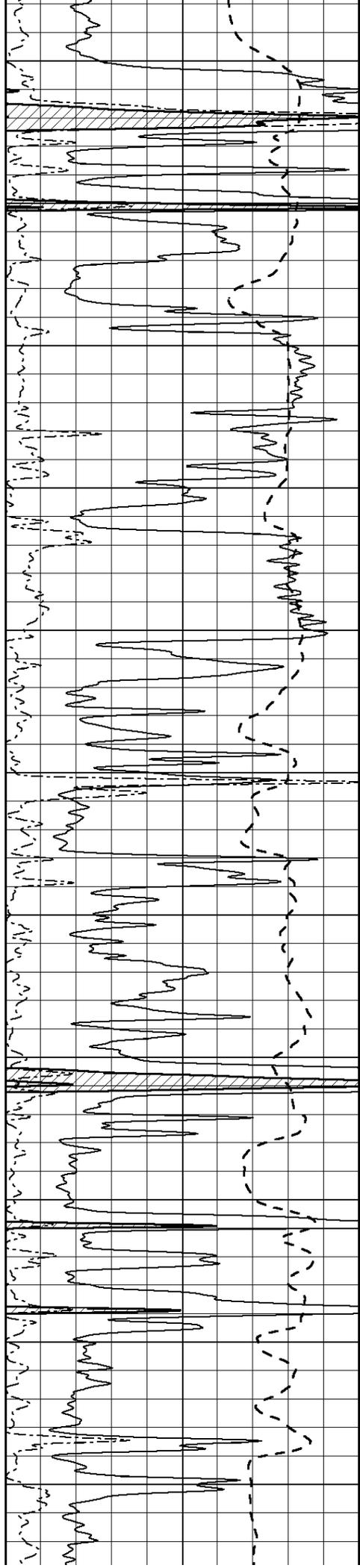
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4200

4250

4300





4350

4400

4450

4500

4550

4600

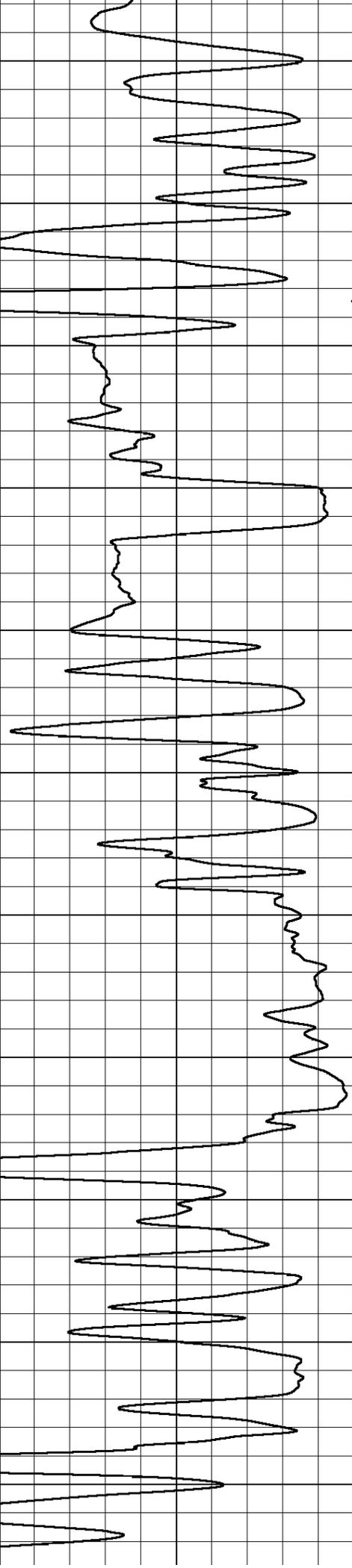
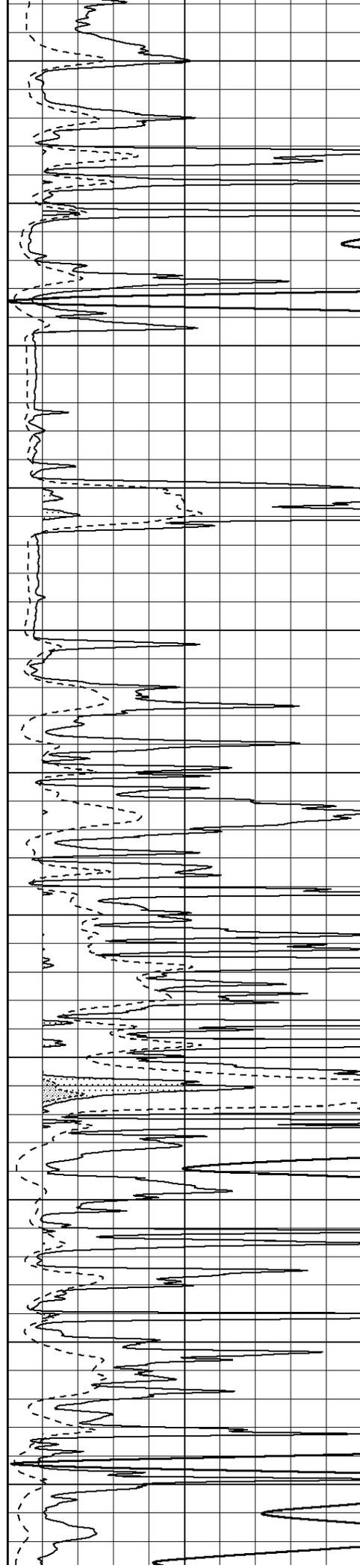
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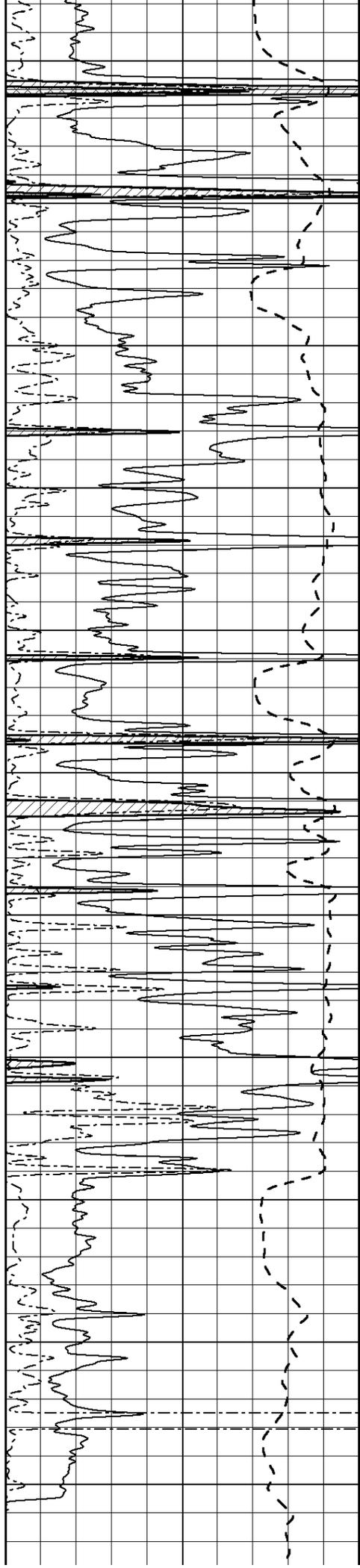
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4750

4800

4850





4900

4950

5000

5050

5100

5150

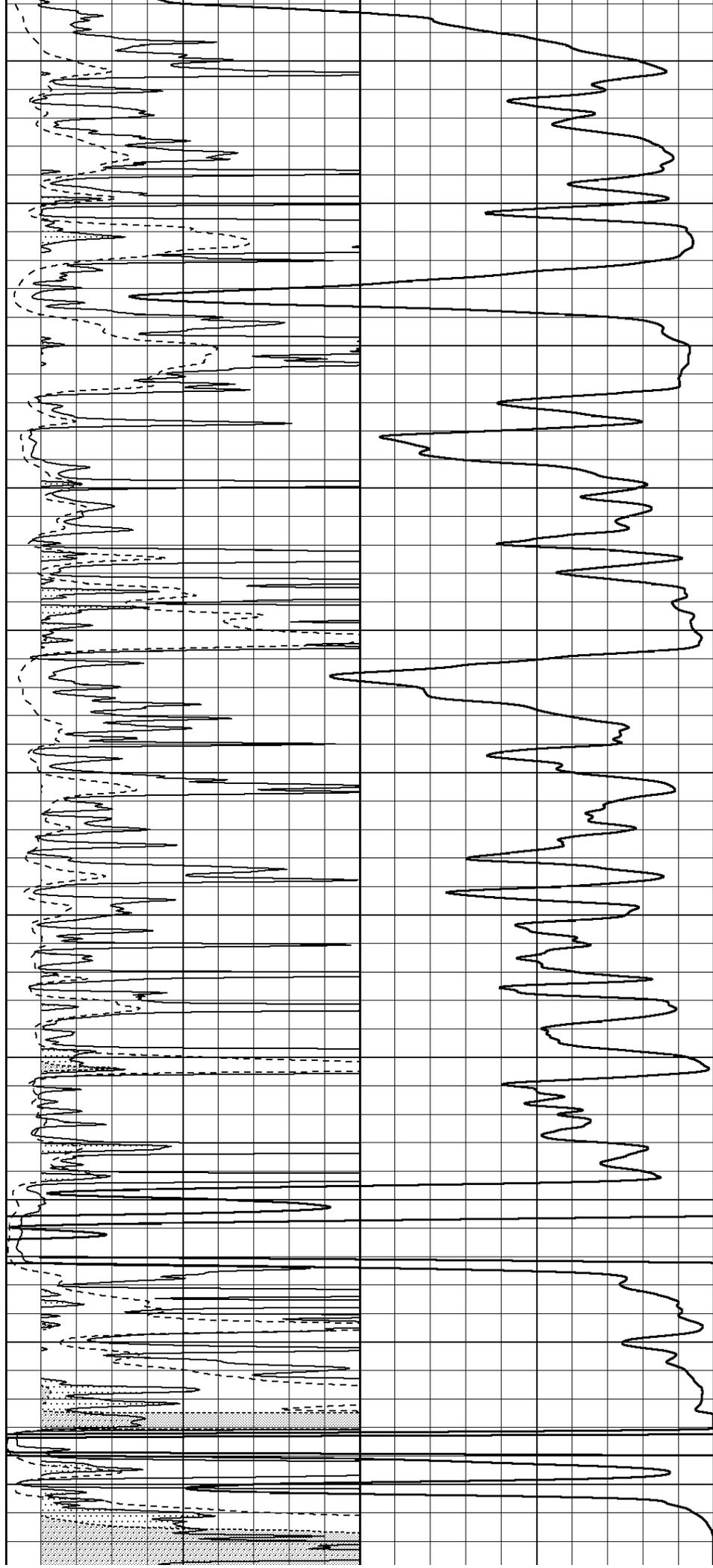
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5250

5300

5350

5400



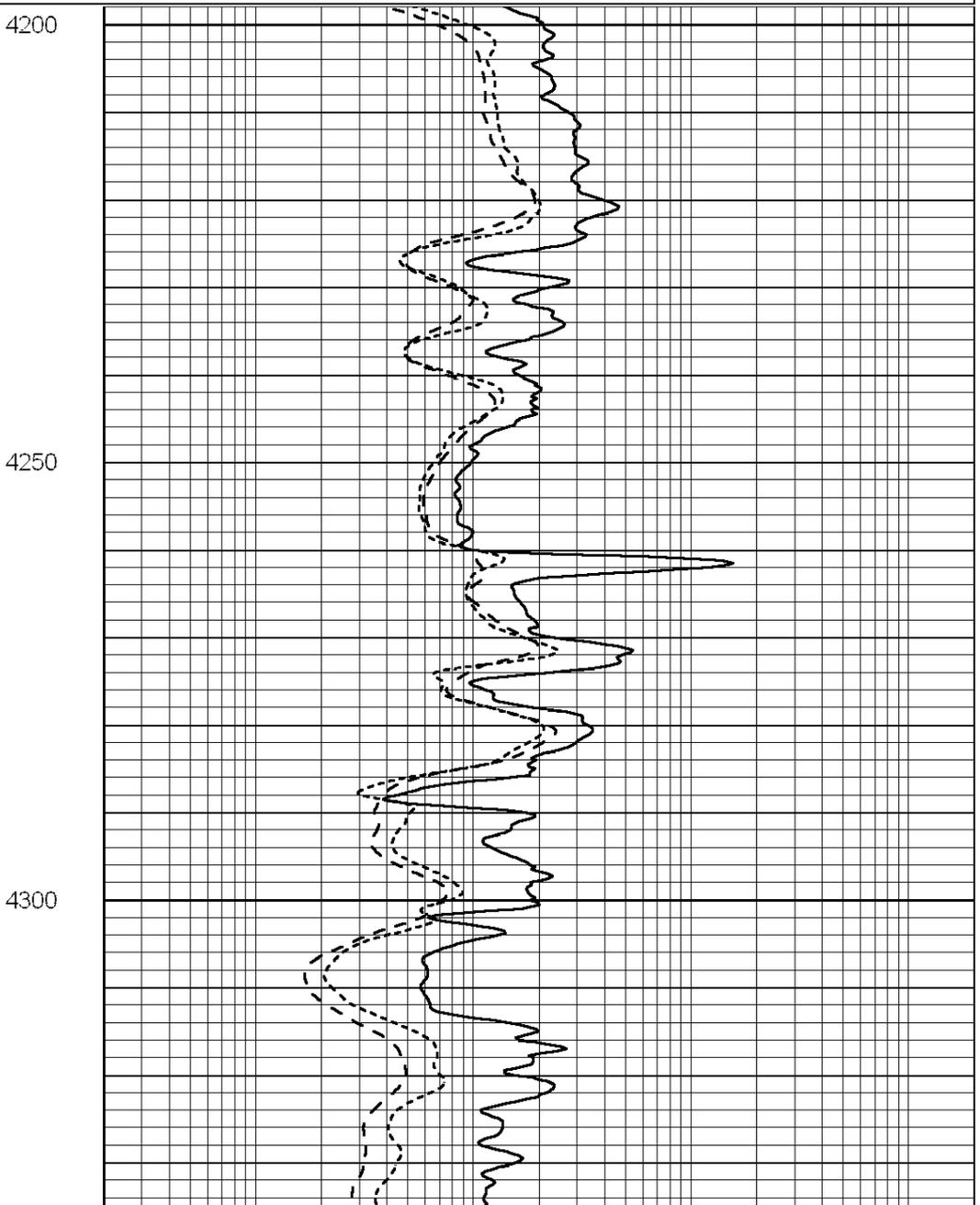
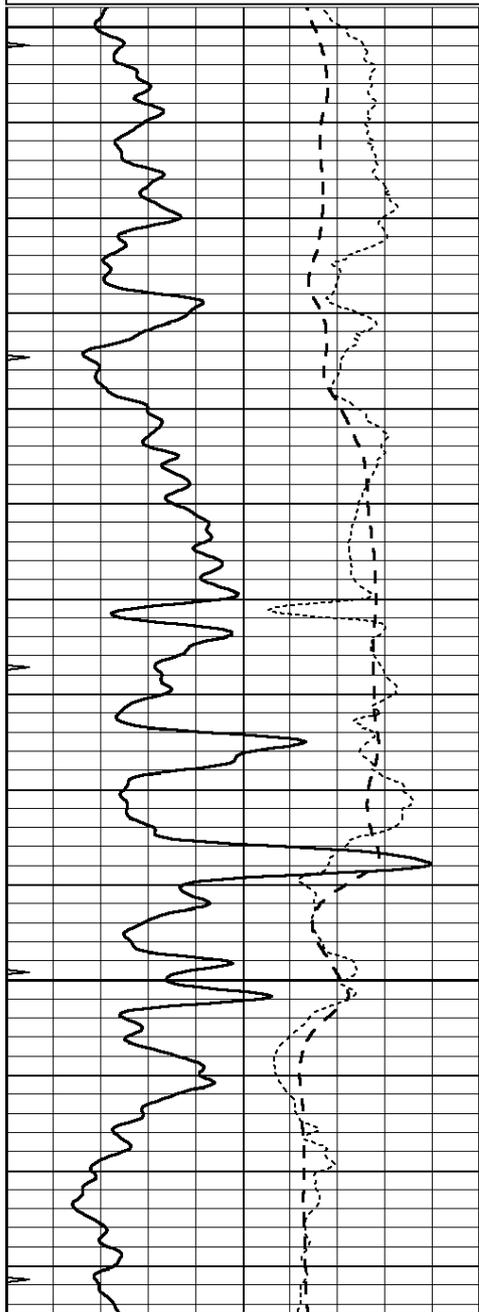
0	Gamma Ray (GAPI)	150
-100	SP (mV)	100
0	RWA (Ohm-m)	1

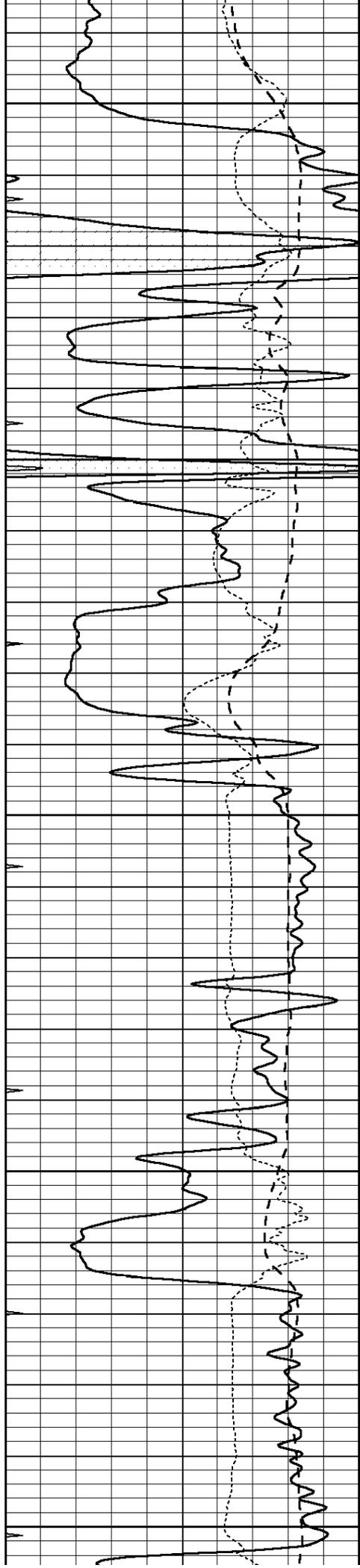
0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50
1000	CILD (mmho/m)	0
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

Database File: 24559pe.db  
 Dataset Pathname: pass4.1.2  
 Presentation Format: \_dil  
 Dataset Creation: Thu Jul 31 00:19:13 2014  
 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





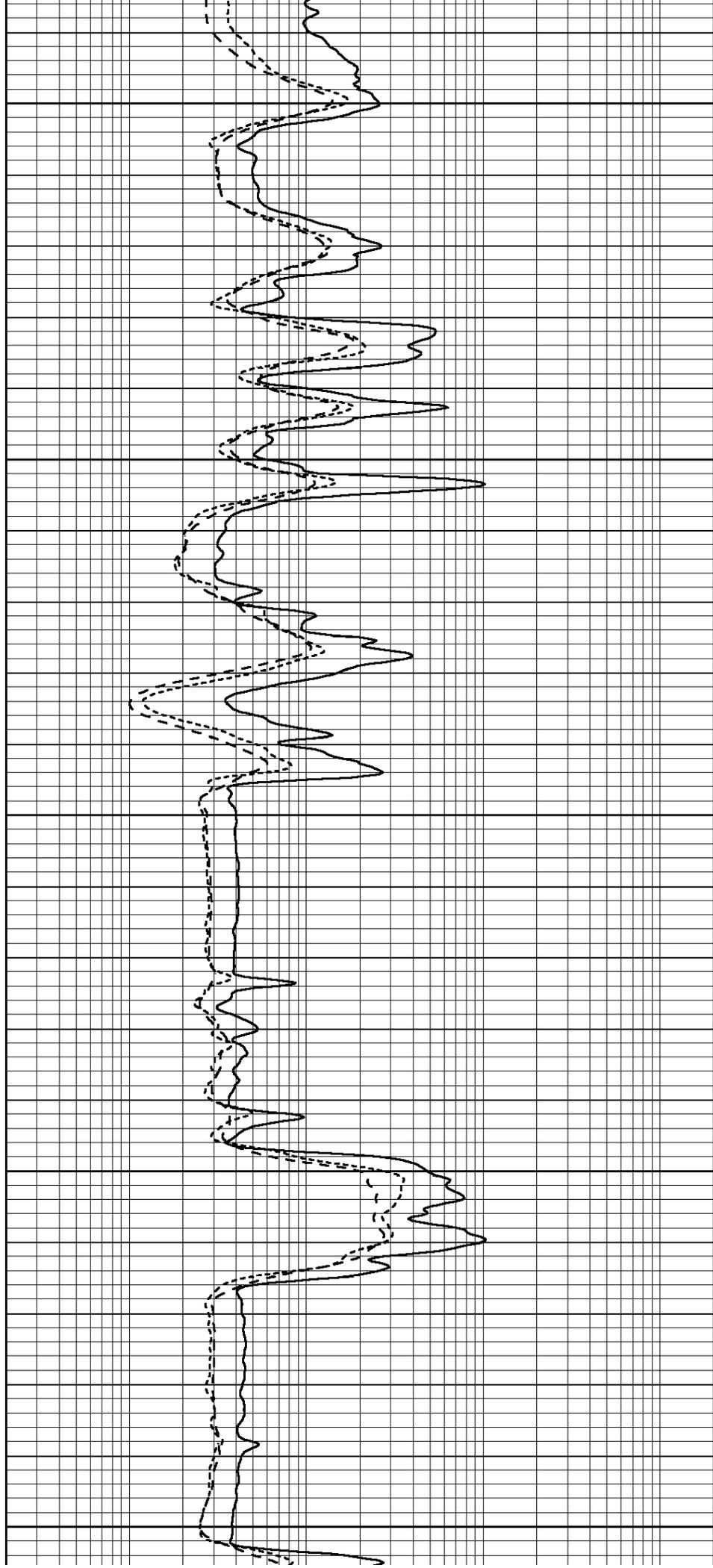
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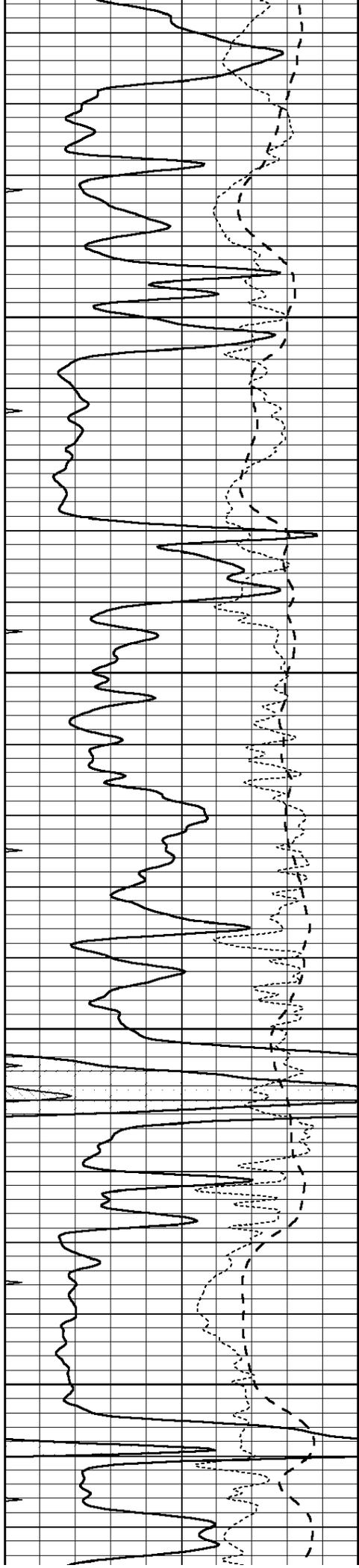
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4500

4550



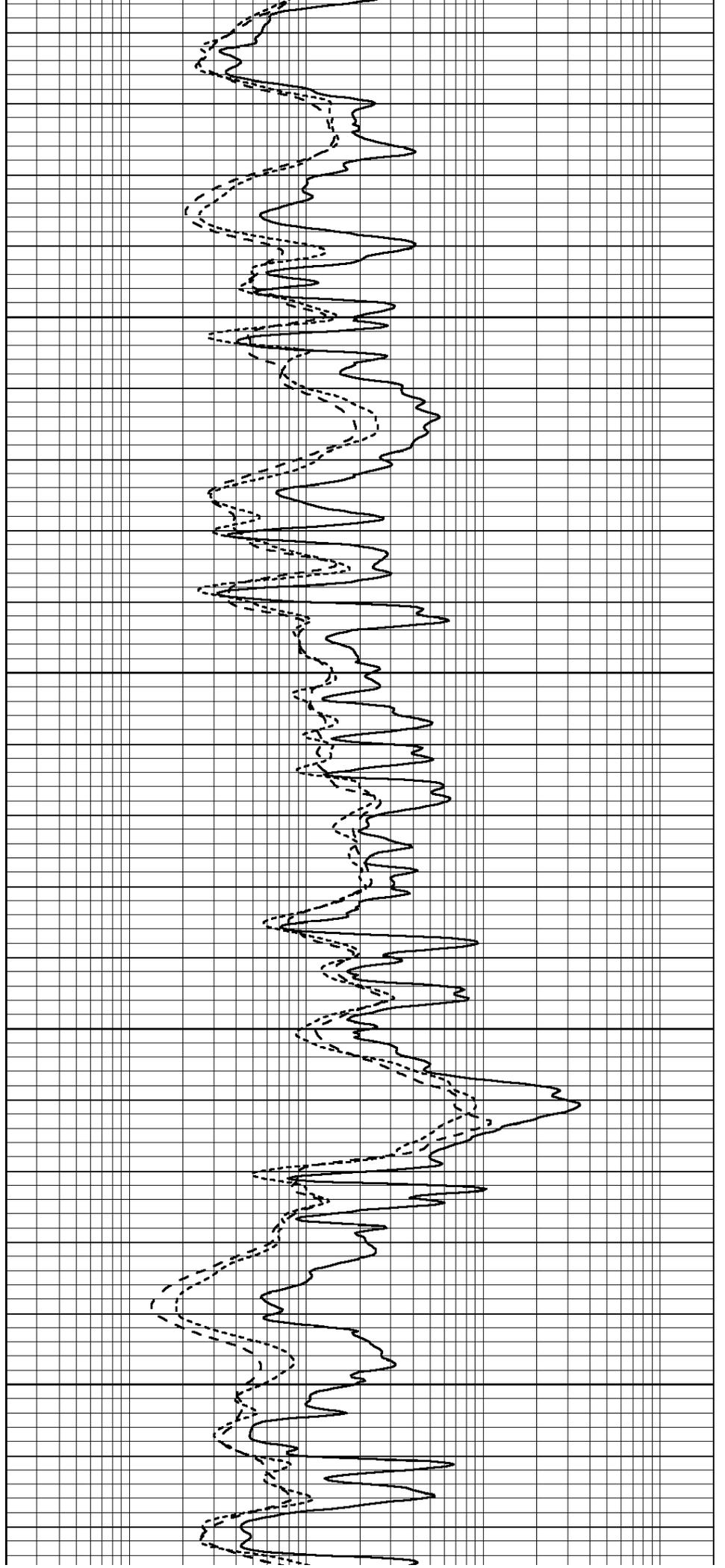


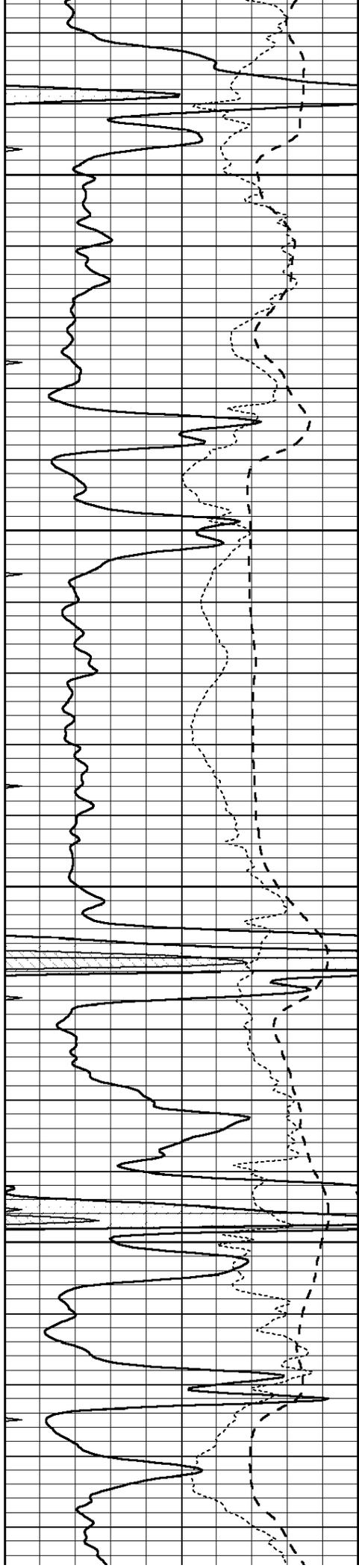
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4650

4700

4750



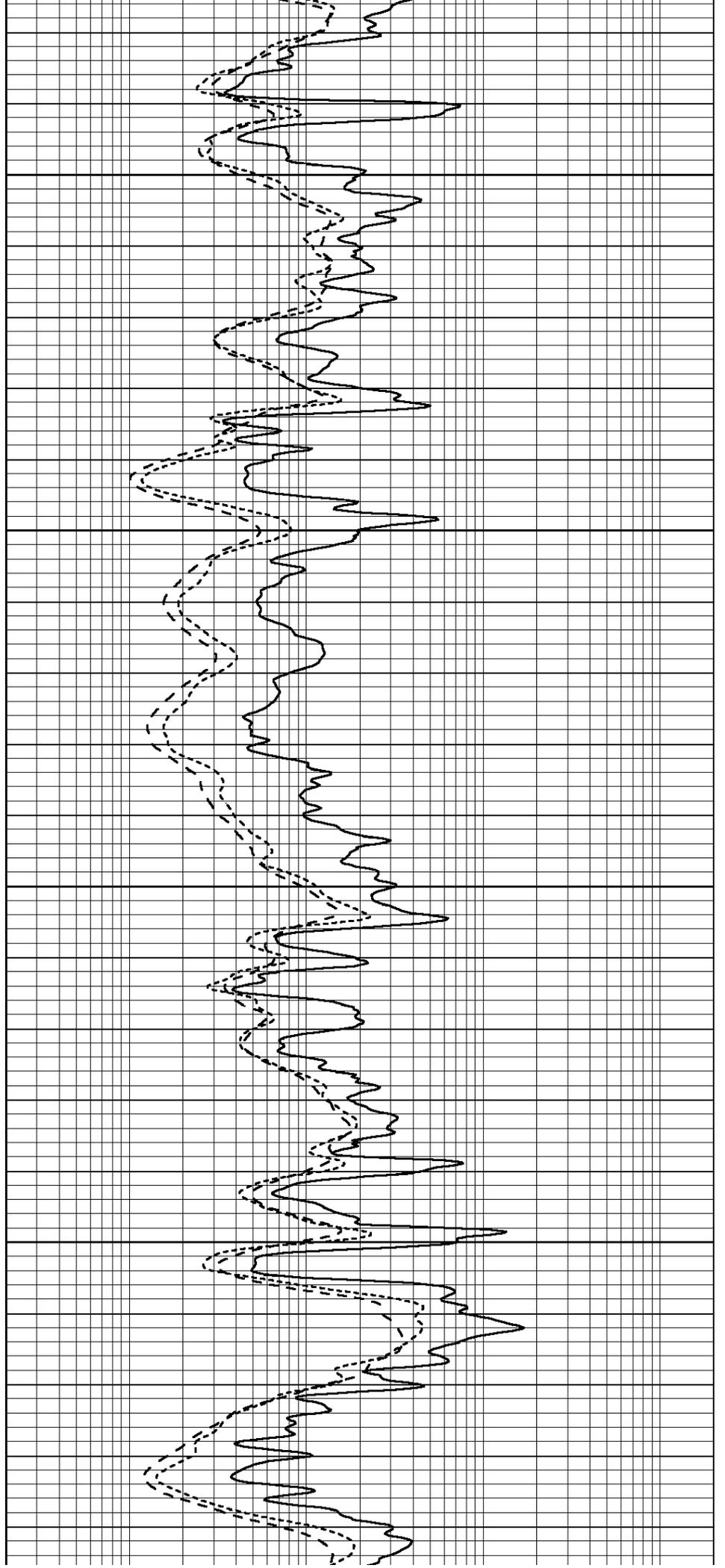


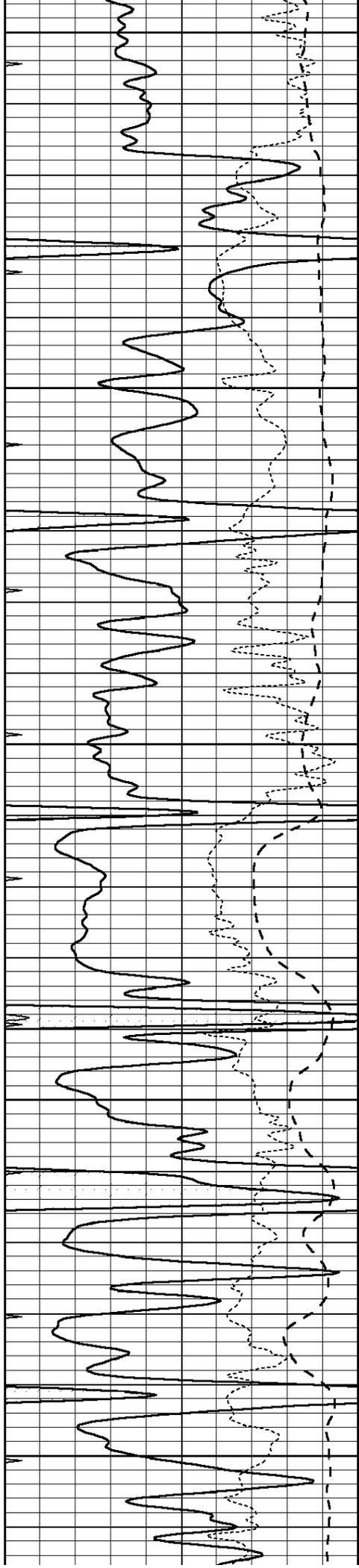
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4850

4900

4950





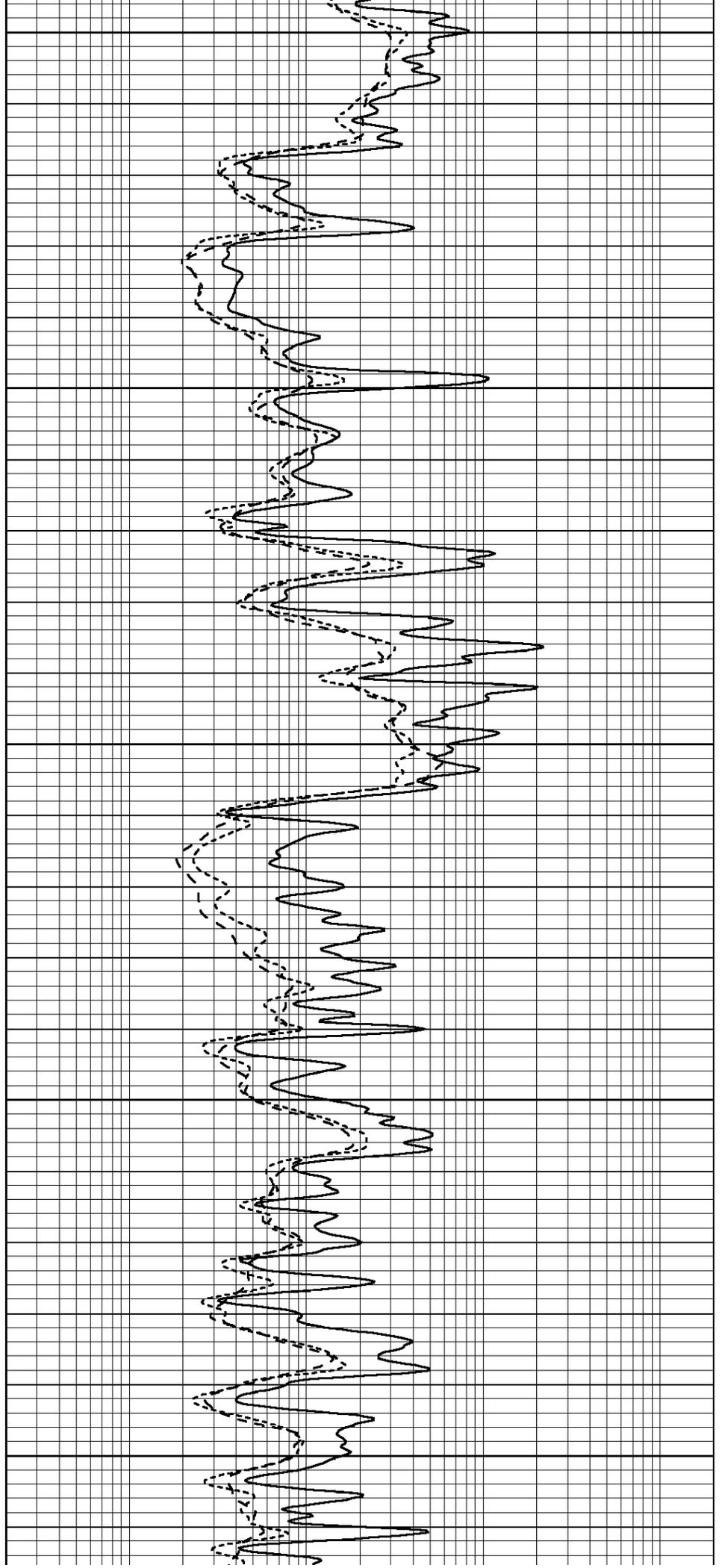
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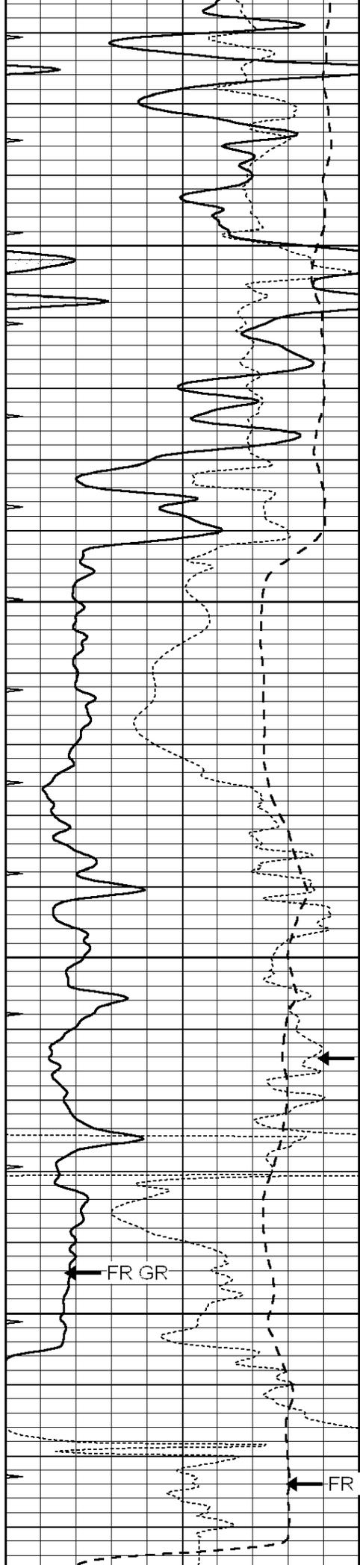
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5100

5150

5200





5250

5300

5350

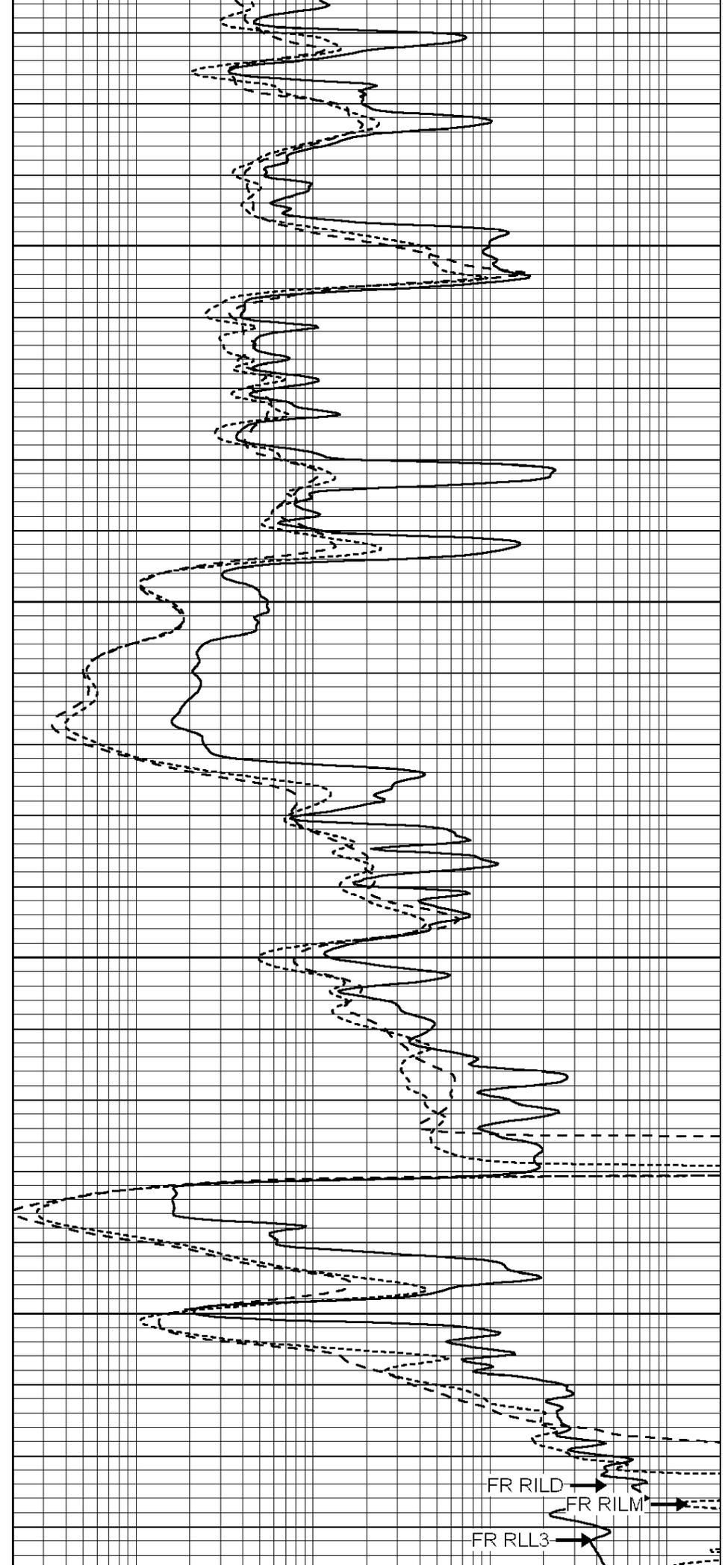
RxoRt

FR GR

5400

FR SP

ITD 5434



FR RILD

FR RILM

FR RLL3

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

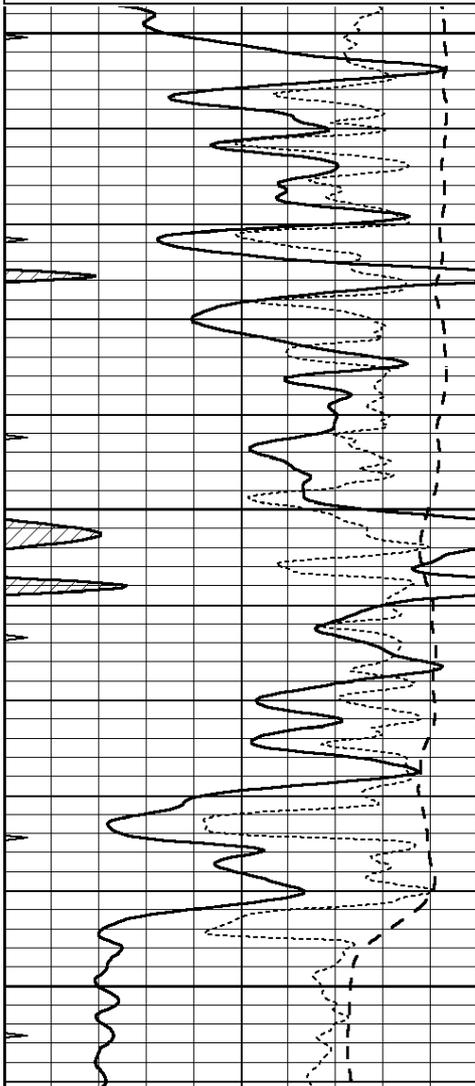


# REPEAT SECTION

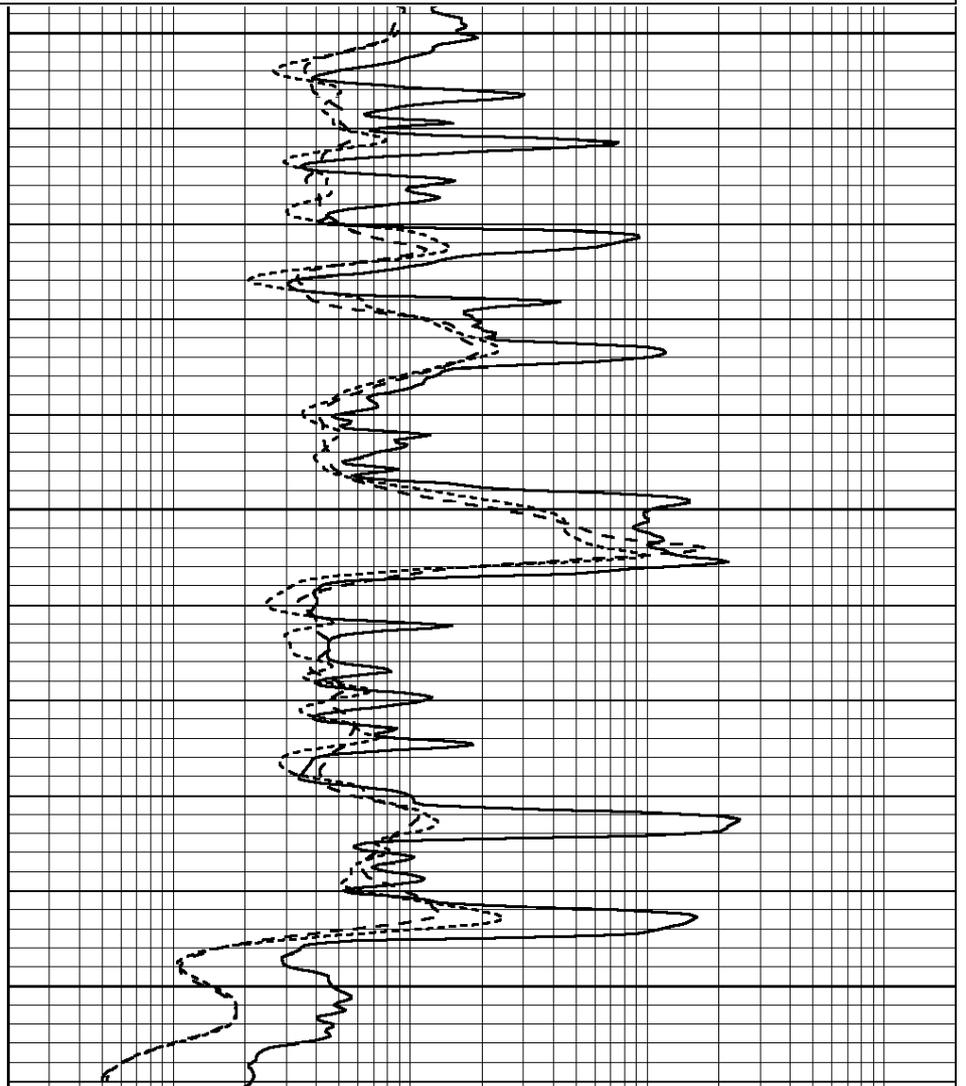
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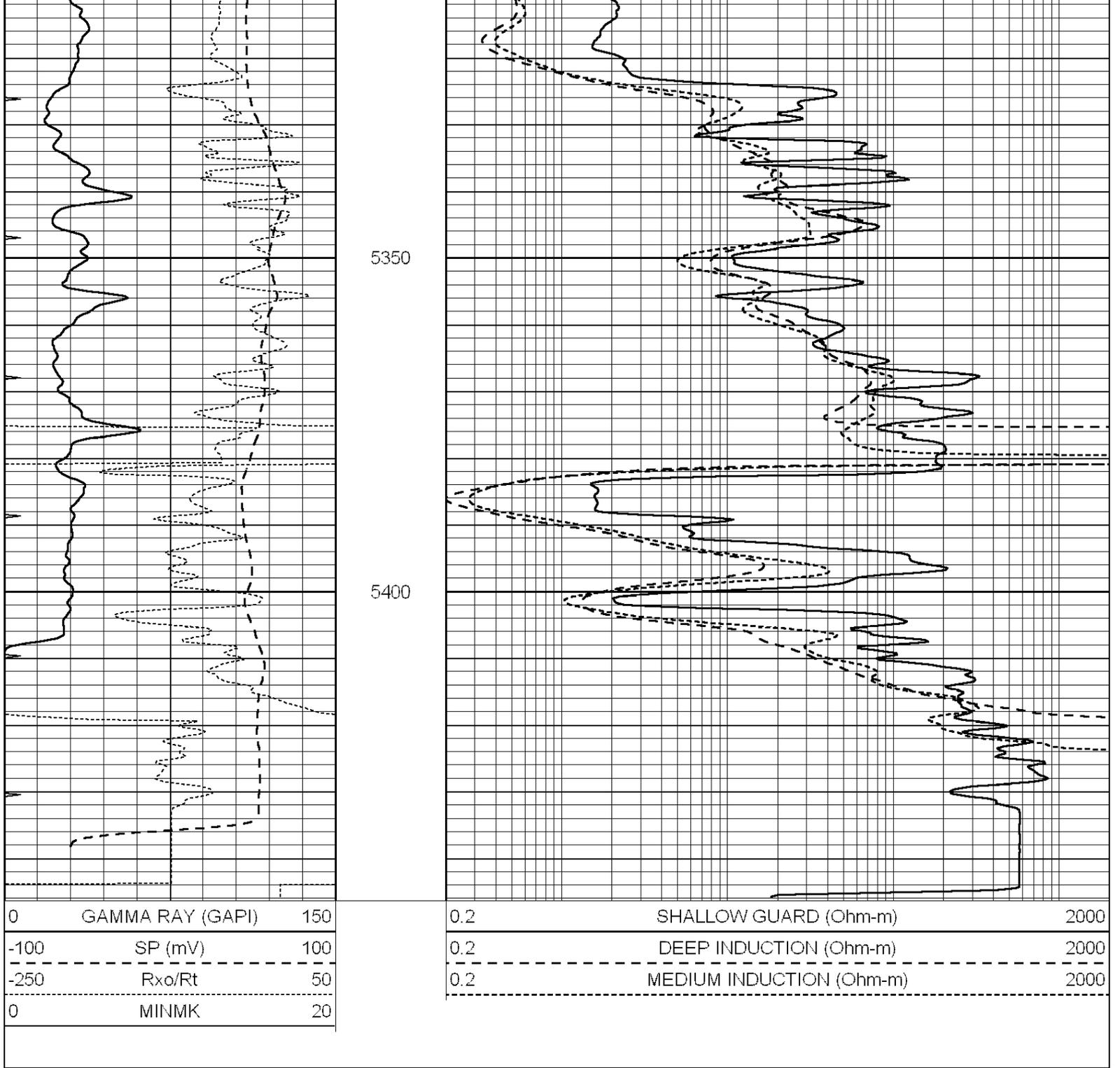
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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



5200  
5250  
5300





### Calibration Report

Database File: 24559pe.db  
 Dataset Pathname: pass4.4  
 Dataset Creation: Thu Jul 31 02:37:47 2014

### Dual Induction Calibration Report

Serial-Model: PROBE9-DILG  
 Surface Cal Performed: Tue Jul 15 18:19:28 2014  
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008  
 After Survey Verification Performed: Mon Jul 28 12:02:56 2008

#### Surface Calibration

	Readings	References	Results
Loop:	Air Loop	Air Loop	m b

Deep	-0.014	0.629	V	0.000	400.000	mmho/m	670.000	-20.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	670.000	-25.000
Internal:	<u>Zero</u>	<u>Cal</u>		<u>Zero</u>	<u>Cal</u>		<u>m</u>	<u>b</u>
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration								
	Readings			References			Results	
	<u>Zero</u>	<u>Cal</u>		<u>Zero</u>	<u>Cal</u>		<u>m'</u>	<u>b'</u>
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification								
	Readings			Targets			Results	
	<u>Zero</u>	<u>Cal</u>		<u>Zero</u>	<u>Cal</u>		<u>m'</u>	<u>b'</u>
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: 004N    Model: PRB

Master Calibration		Performed Fri May 30 11:01:00 2014						
	<u>Background</u>	<u>Magnesium</u>	<u>Aluminum</u>	<u>Sandstone</u>				
Window 1	1378.8	10804.6	3492.0	12453.4			cps	
Window 2	1262.4	9313.5	3076.7	10594.7			cps	
Window 3	1077.6	5668.7	2076.0	6314.8			cps	
Window 4	306.4	313.0	306.4	315.6			cps	
Long Space	0.0	8051.0	1814.3	9332.3			cps	
Short Space	1.9	1706.1	1146.0	1707.6			cps	
Rho		1.7100	2.5900	1.3800			g/cc	
Pe		0.0000	2.5700	1.5500				
Rib Angle	: 45.0	Rib Slope	: 1.002	Density/Spine Ratio			: 0.571	
Spine Angle	: 75.0	Spine Slope	: 3.745	Spine Intercept			: -18.9	

Before Survey Verification		Performed Wed Dec 31 18:00:00 1969						
	<u>Background</u>	<u>Magnesium</u>	<u>Aluminum</u>	<u>Sandstone</u>				
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						
	<u>Background</u>	<u>Magnesium</u>	<u>Aluminum</u>	<u>Sandstone</u>				
Window 1	0.0	0.0	0.0	0.0			cps	

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: 070808  
Tool Model: Probe

#### 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: Mon Jun 30 21:53:39 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
Calibrator Reading: 1.0 cps

Sensitivity: 0.2800 GAPI/cps