



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company VINCENT OIL CORPORATION		Company VINCENT OIL CORPORATION	
Well DUFFORD #1-32	Well DUFFORD #1-32		
Field	Field		
County FORD	County FORD		
State KANSAS	State KANSAS		
Location: 430' FNL & 1105' FEL		API # : 15-057-20807-0000	
SEC 32 TWP 29S RGE 24W		Other Services CDL/CNL/PE MEL/SON	
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 12' A.G.L. KELLY BUSHING		Elevation K.B. 2584 D.F. 2582 G.L. 2572
Date 5/31/12			
Run Number ONE			
Depth Driller 5480			
Depth Logger 5482			
Bottom Logged Interval 5480			
Top Log Interval 0			
Casing Driller 8 5/8" @ 650			
Casing Logger 648			
Bit Size 7 7/8			
Type Fluid in Hole CHEMICAL MUD			
Density / Viscosity 9.4/76	CHLORIDES 11,800 PPM		
pH / Fluid Loss 10.5/12.8			
Source of Sample FLOWLINE			
Rim @ Meas. Temp 0.36 @ 78F			
Rmf @ Meas. Temp 0.27 @ 78F			
Rmc @ Meas. Temp 0.43 @ 78F			
Source of Rmf / Rmc MEASURED			
Rim @ BHT 0.22 @ 129F			
Time Circulation Stopped 2 HOURS			
Time Logger on Bottom			
Maximum Recorded Temperature 129F			
Equipment Number 680			
Location HAYS, KS.			
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.

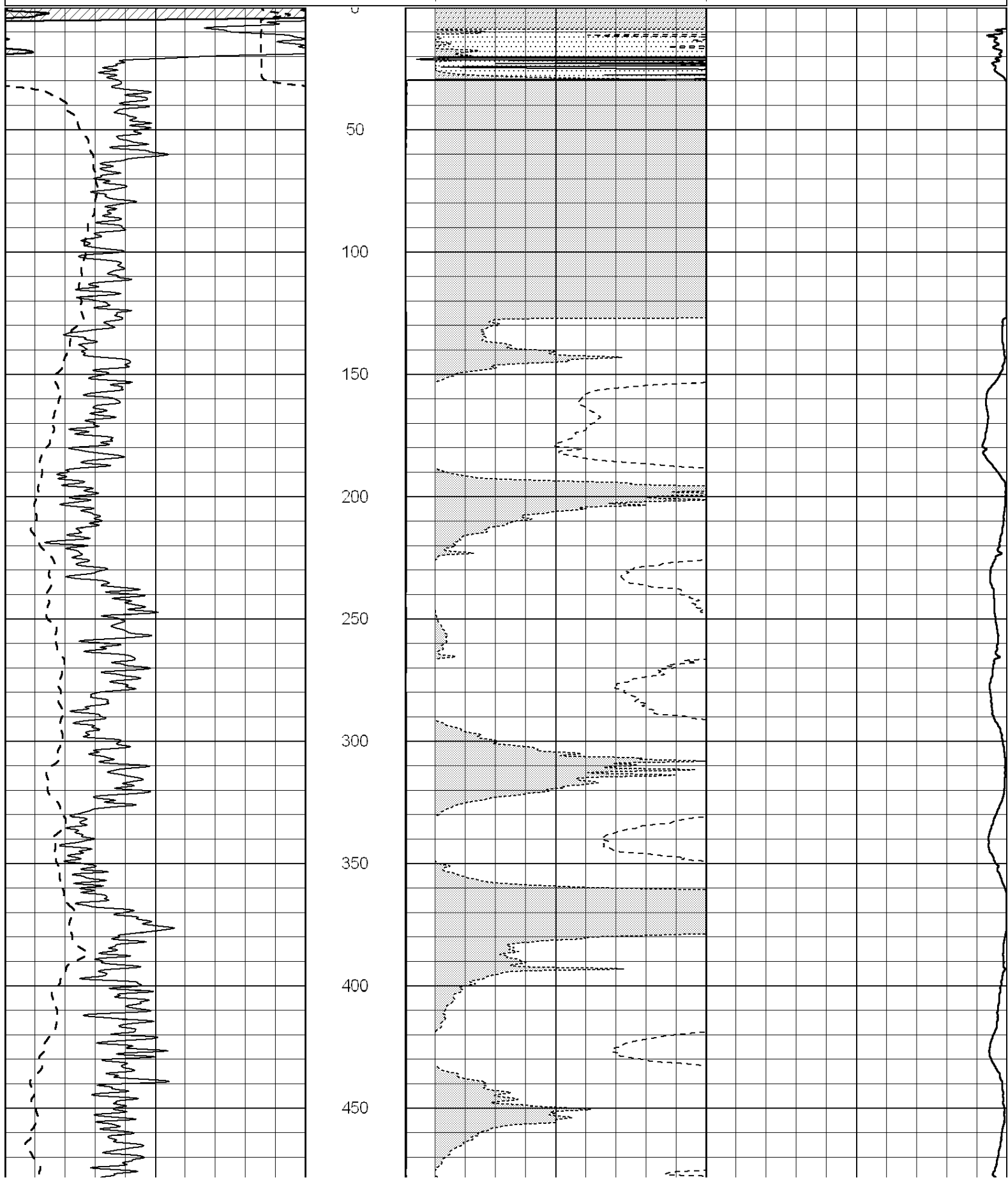
Comments

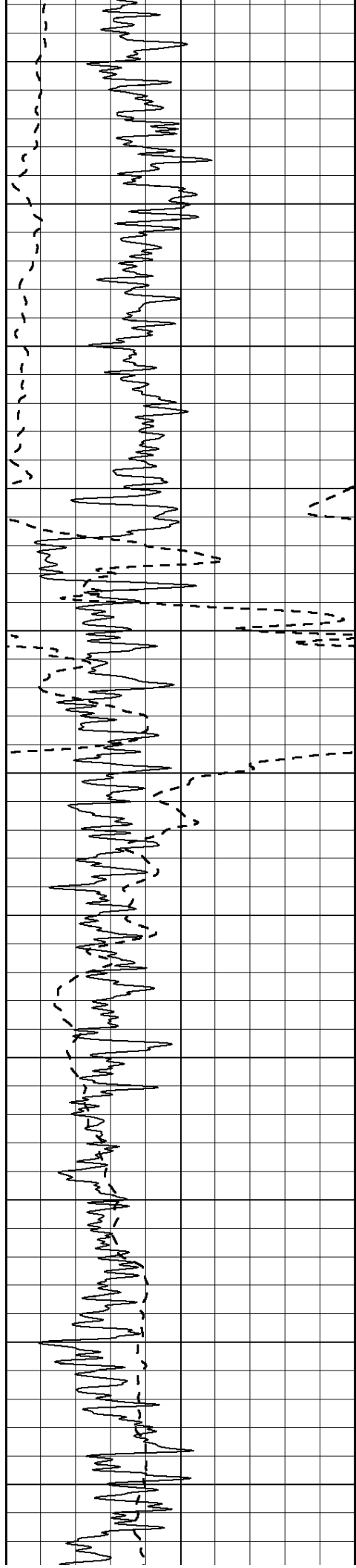
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
WRIGHT, KS - SOUTH TO SADDLE RD - 3 MILES WEST TO RD 114
11 MILES SOUTH TO YUCCA RD - 1/4 MILE WEST - SOUTH INTO

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

0	RLL3 (Ohm-m)	50
0	Deep Induction (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

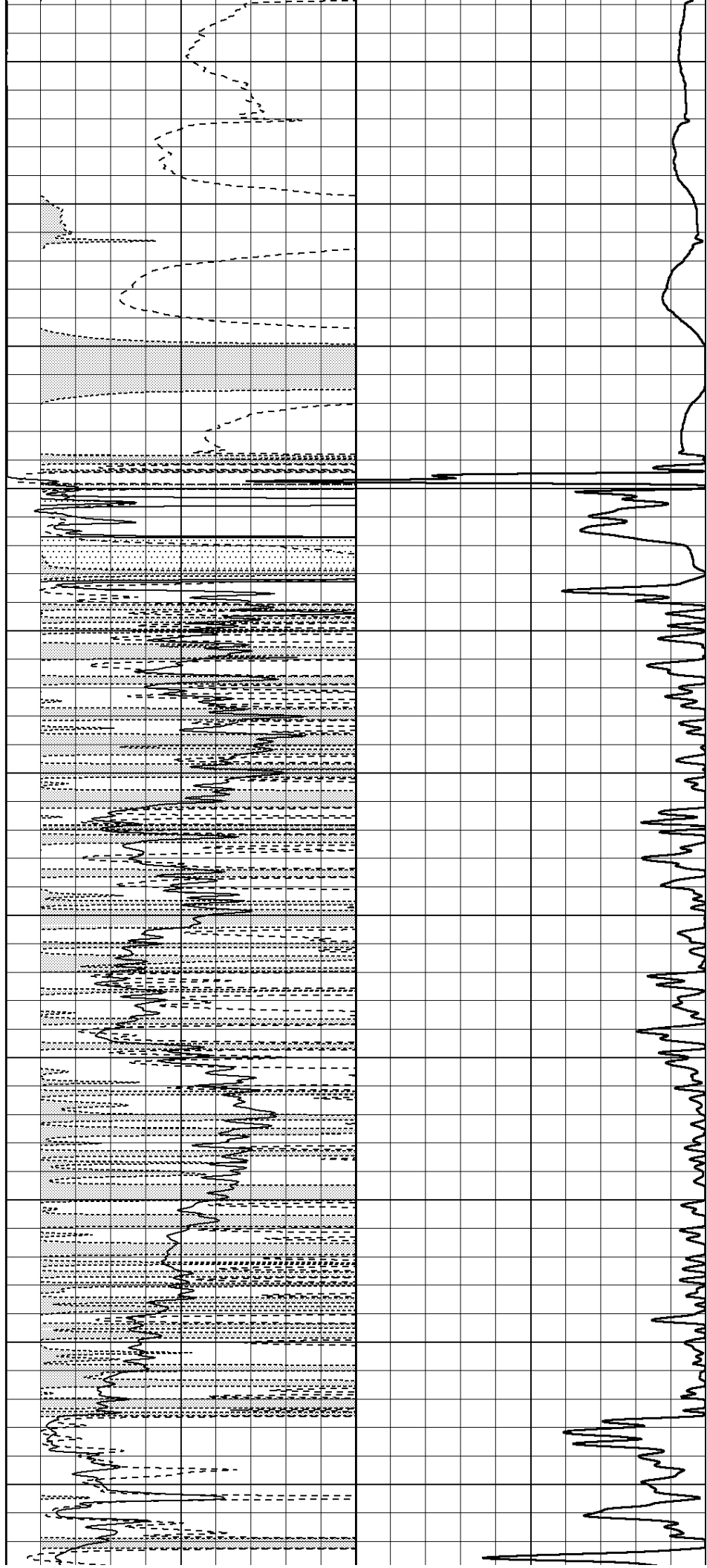
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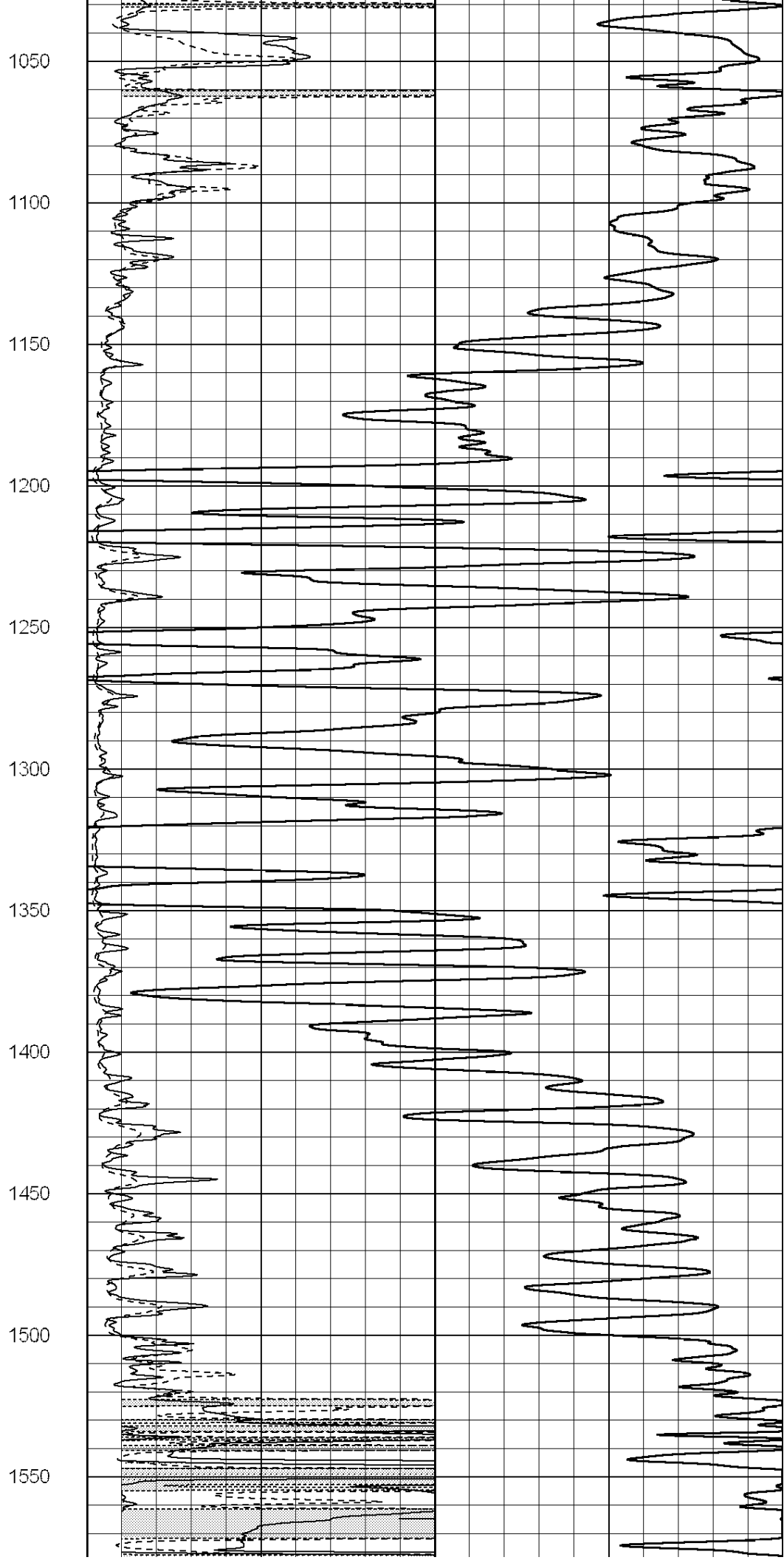
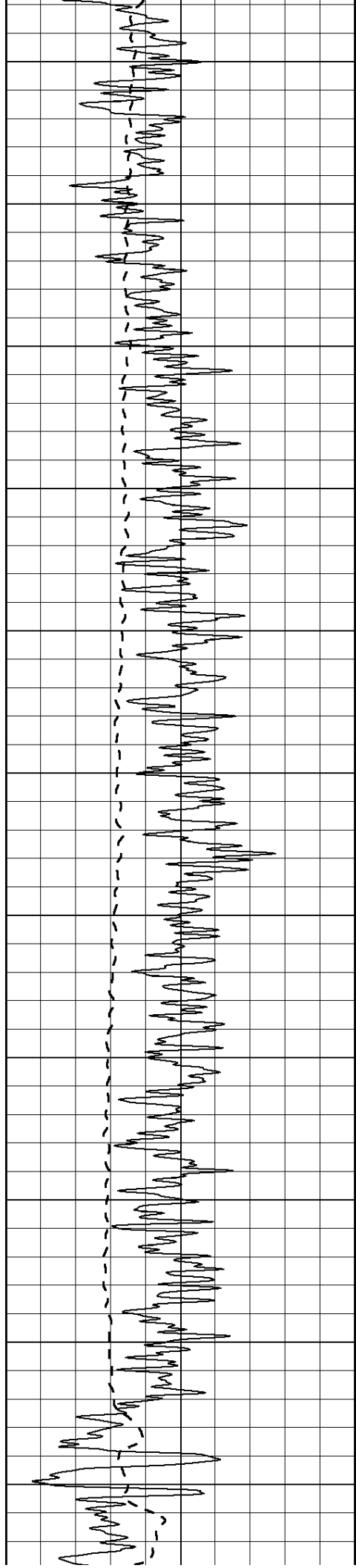
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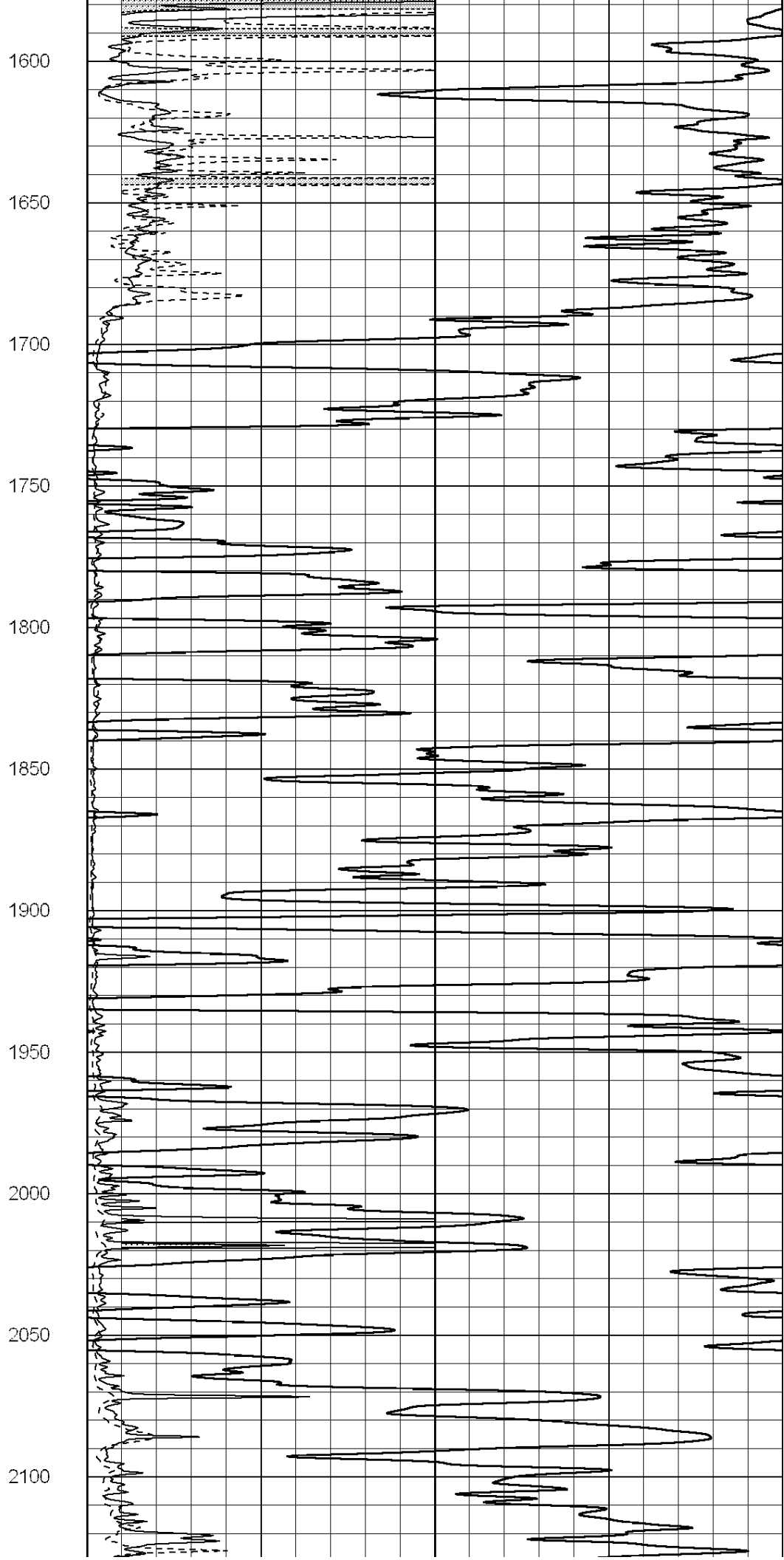
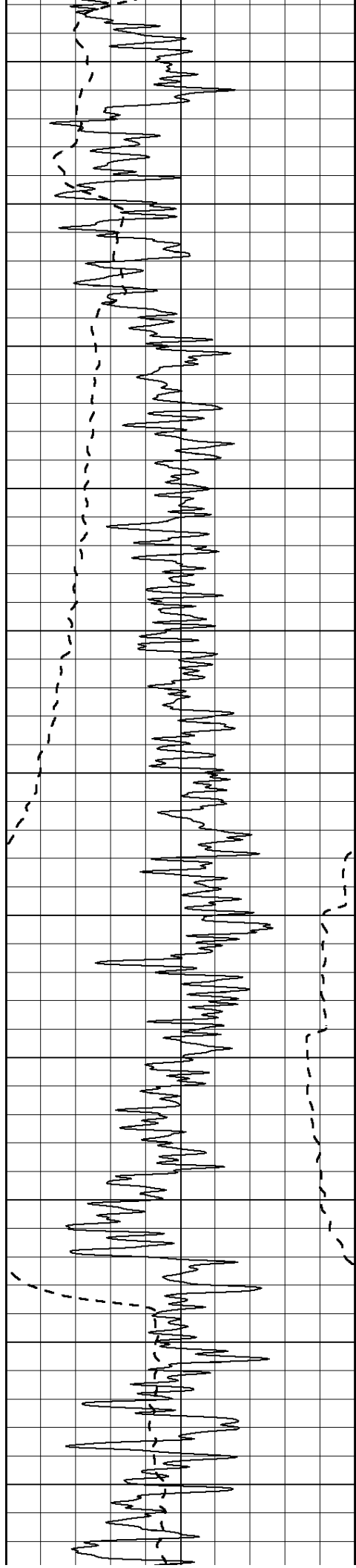
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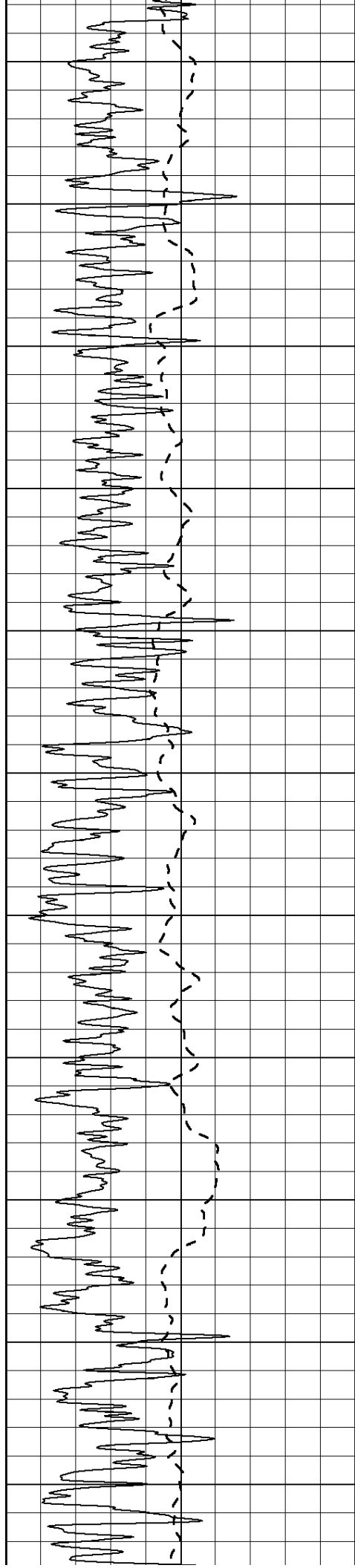
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1000









2150

2200

2250

2300

2350

2400

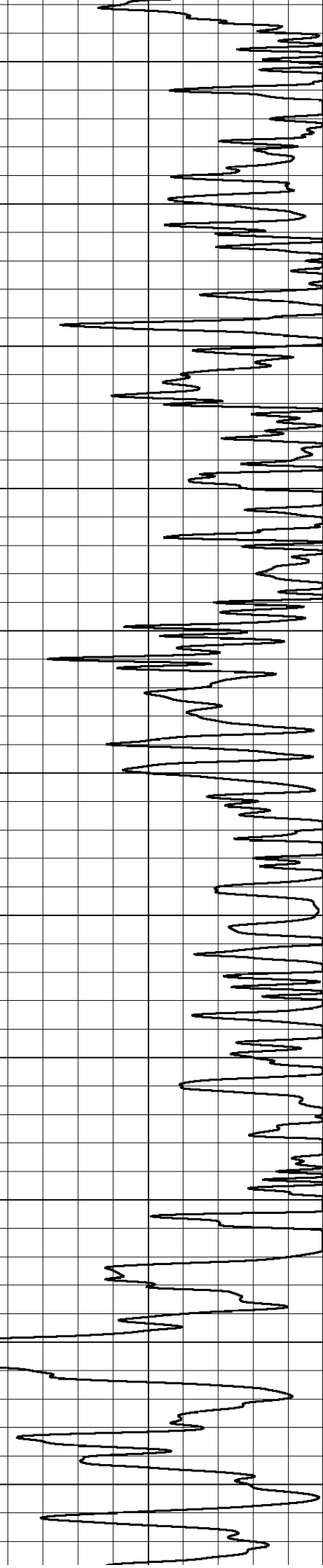
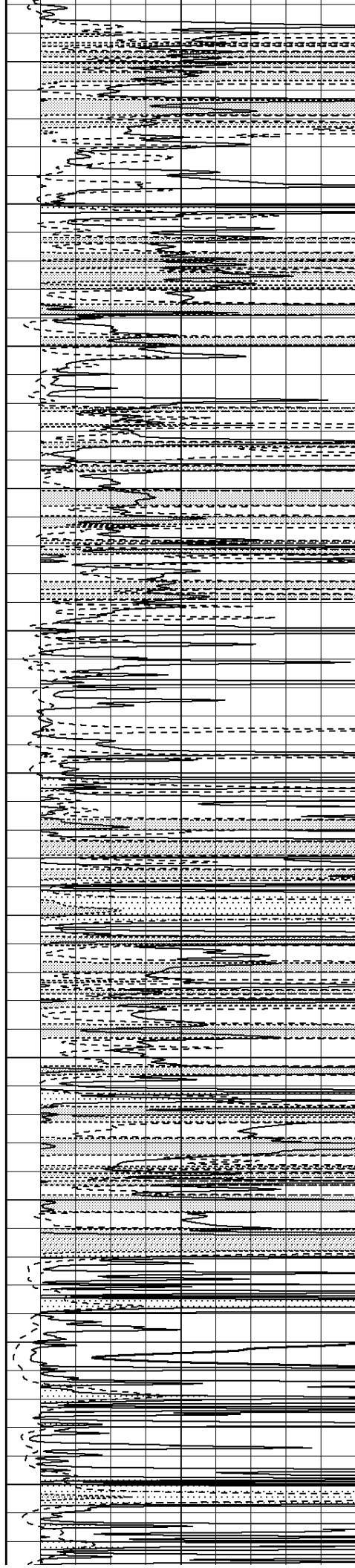
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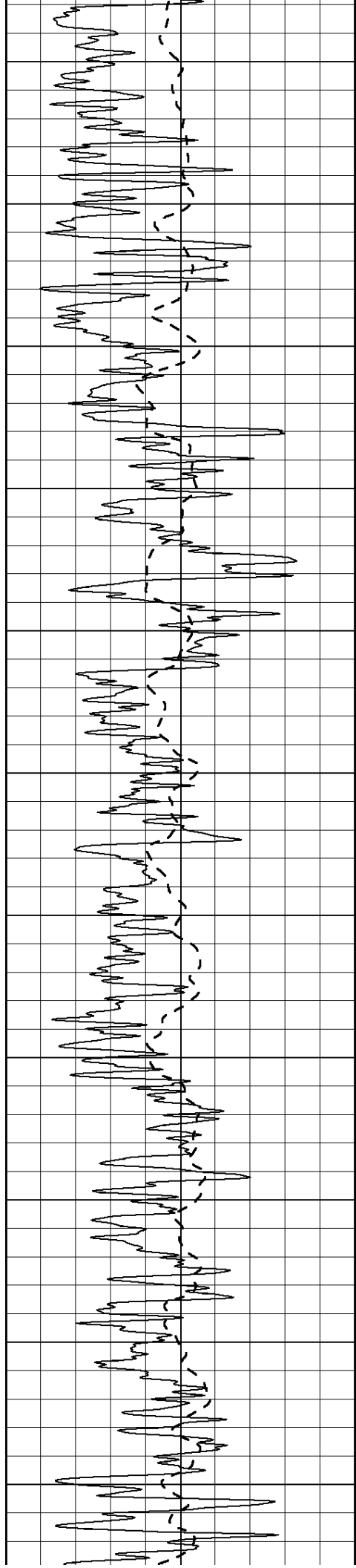
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2550

2600

2650





2700

2750

2800

2850

2900

2950

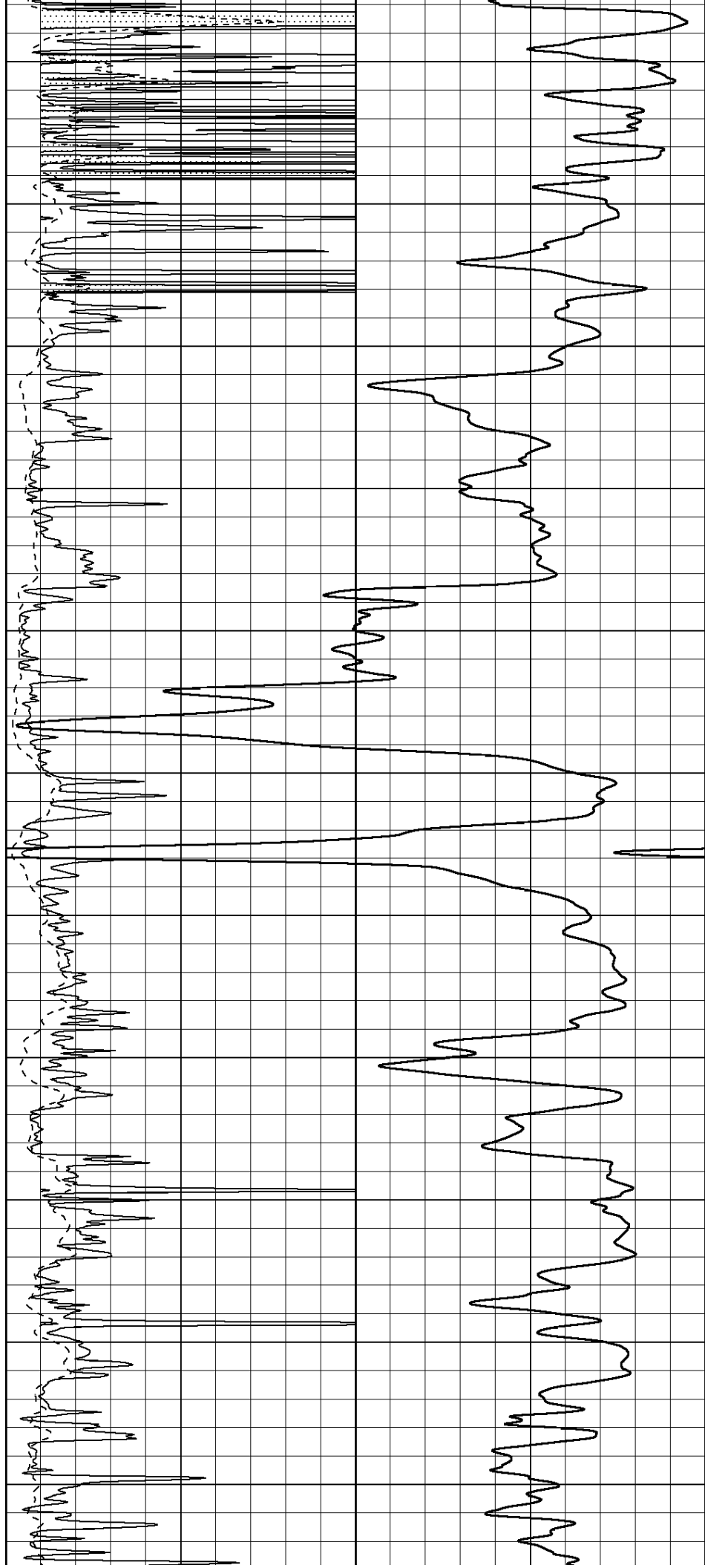
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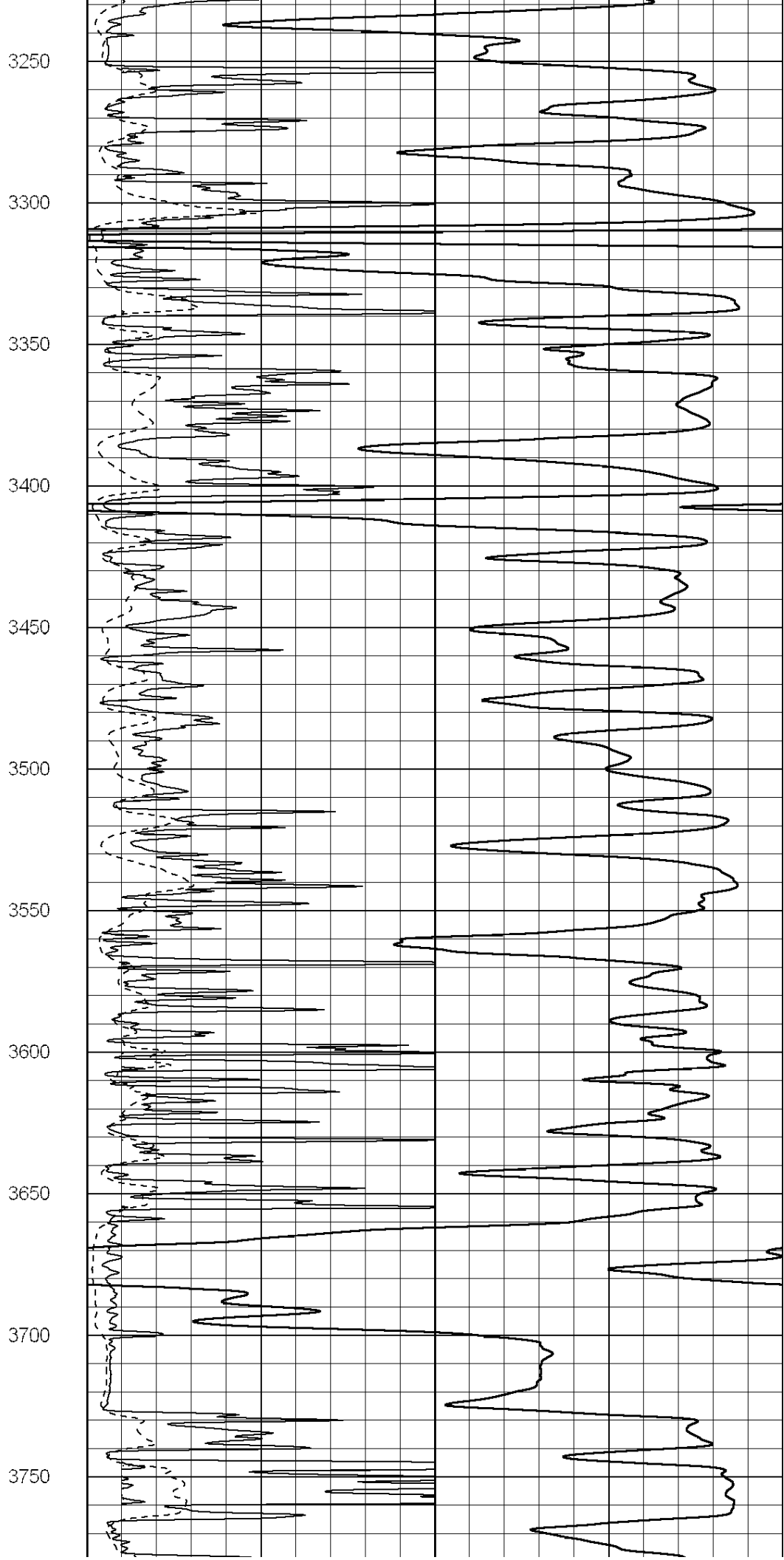
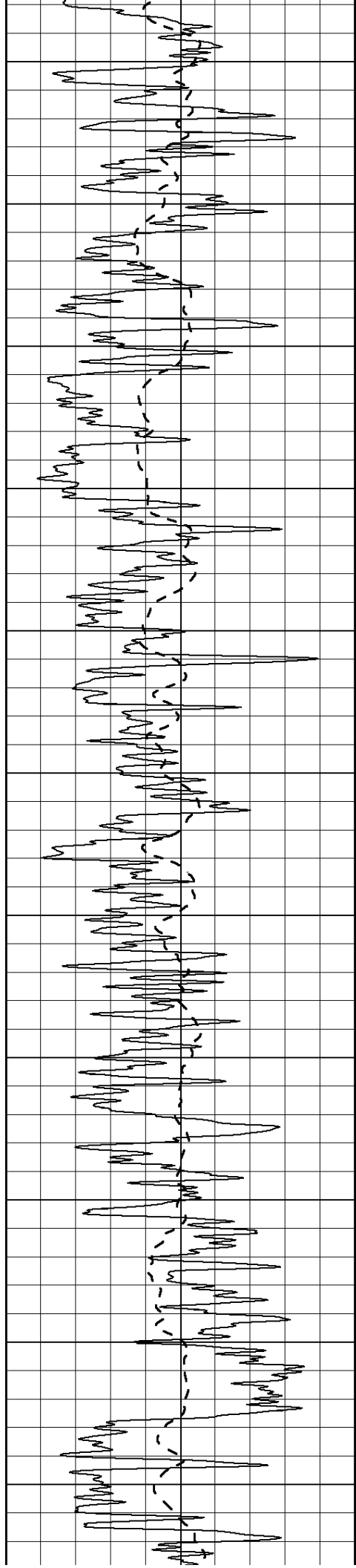
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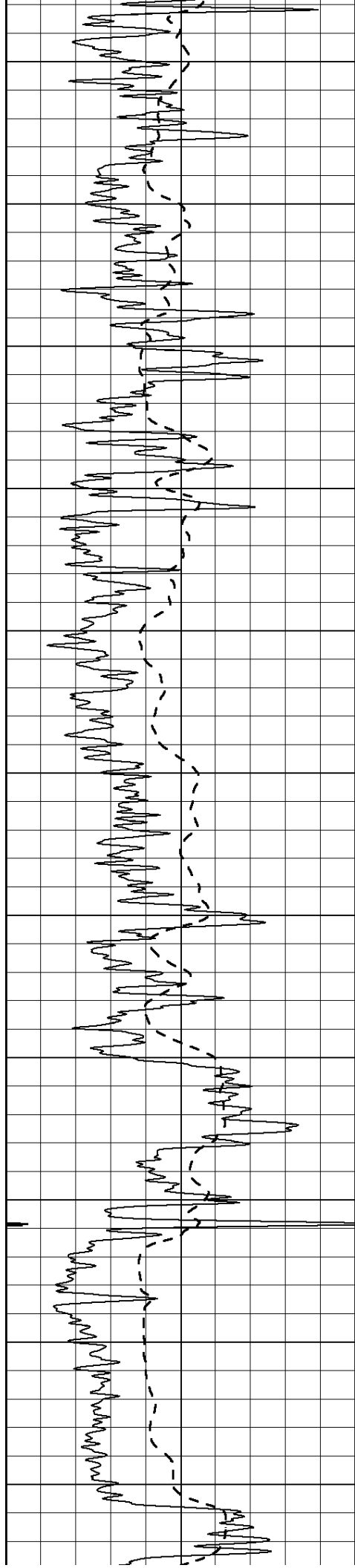
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3150

3200







3800

3850

3900

3950

4000

4050

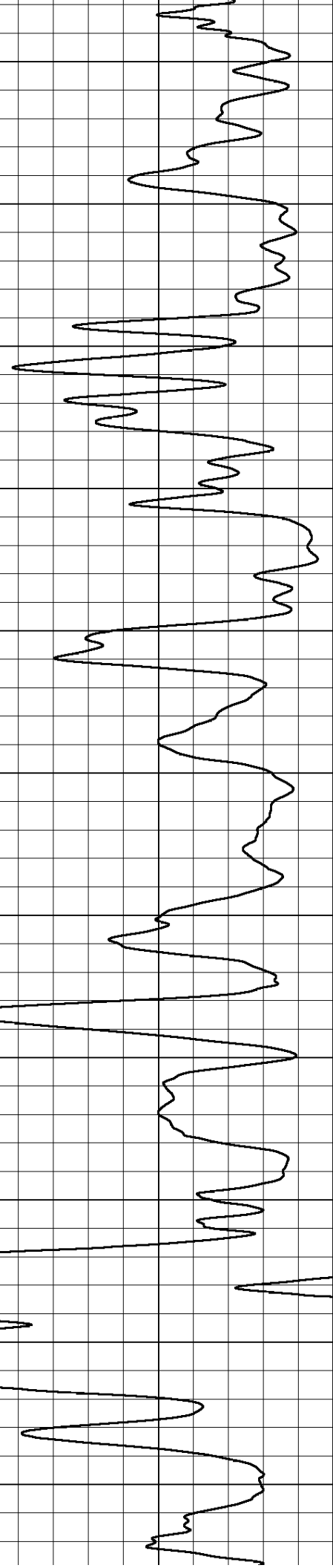
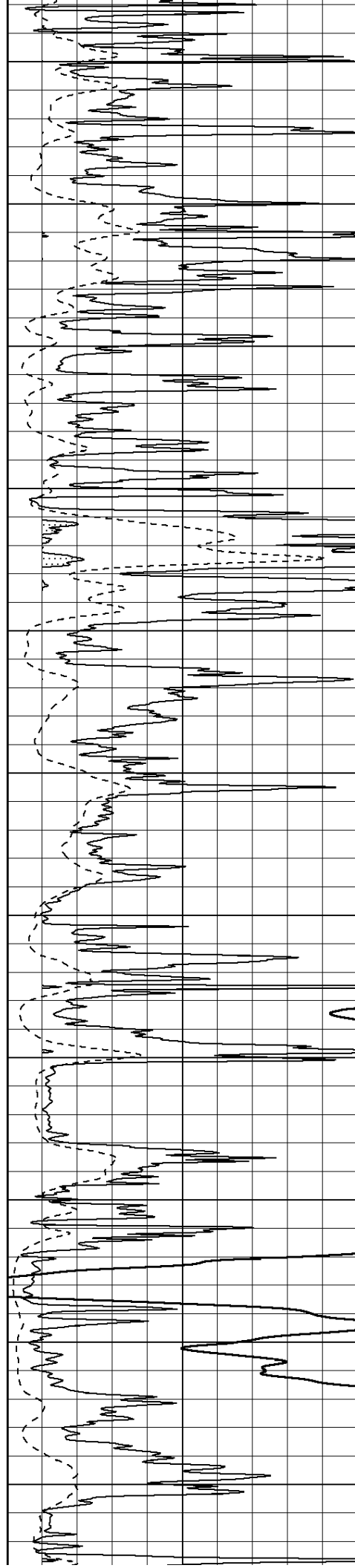
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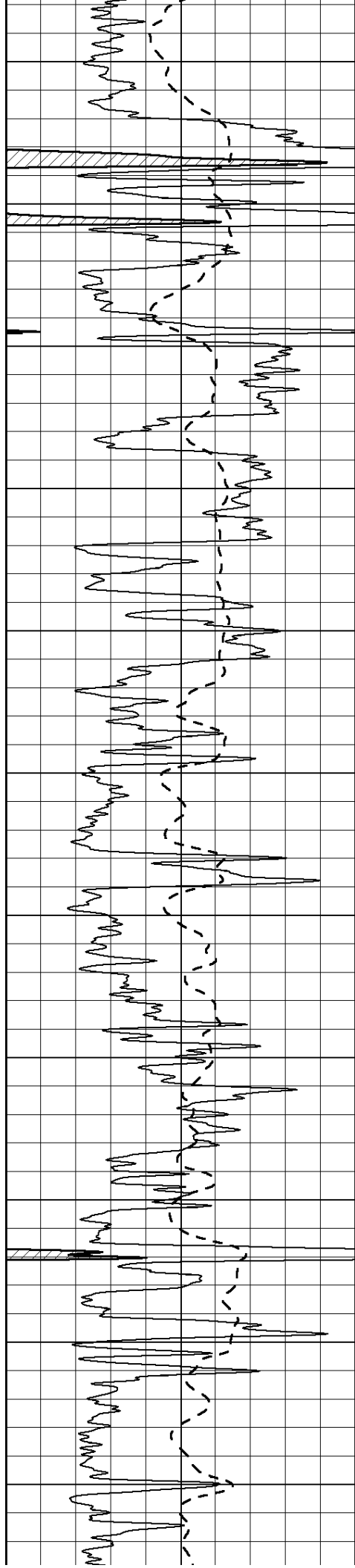
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4200

4250

4300





4350

4400

4450

4500

4550

4600

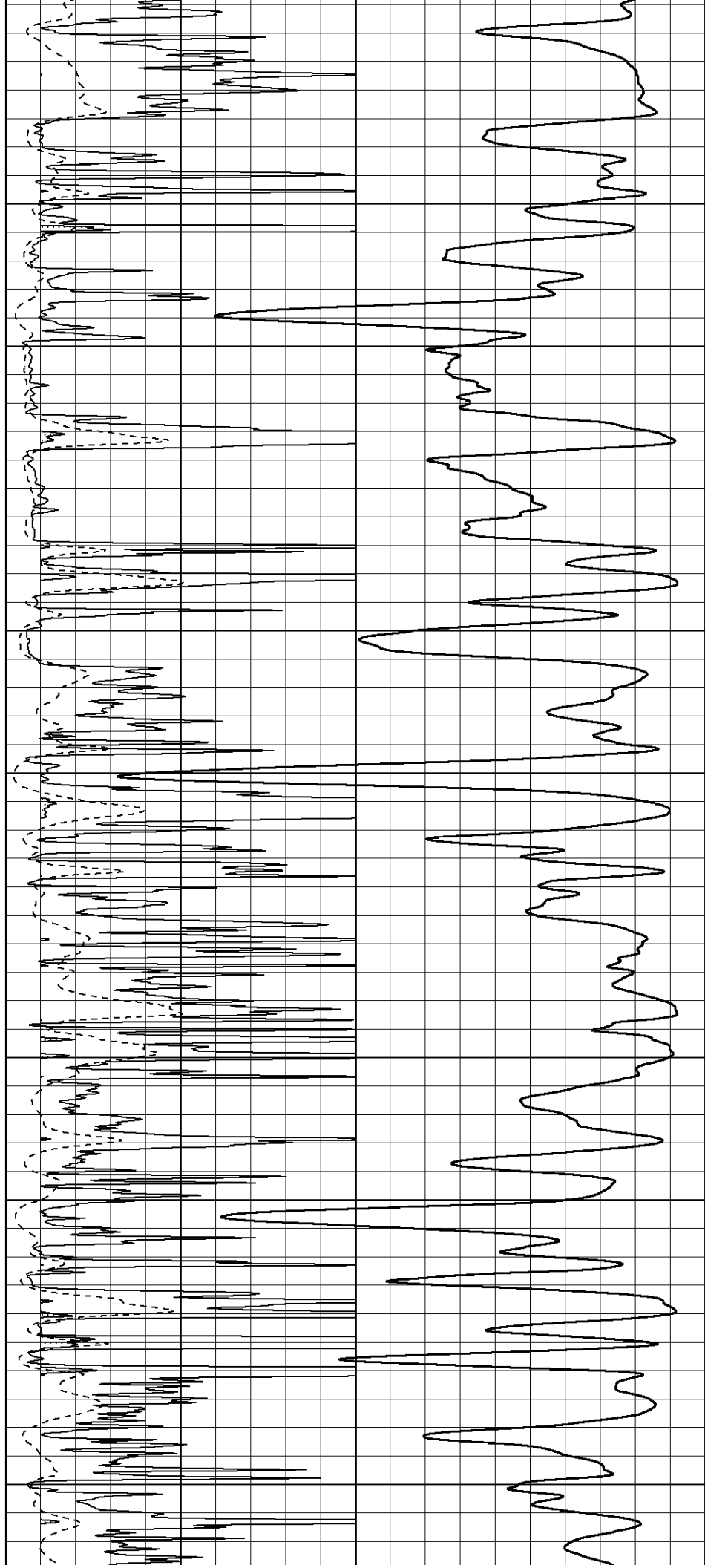
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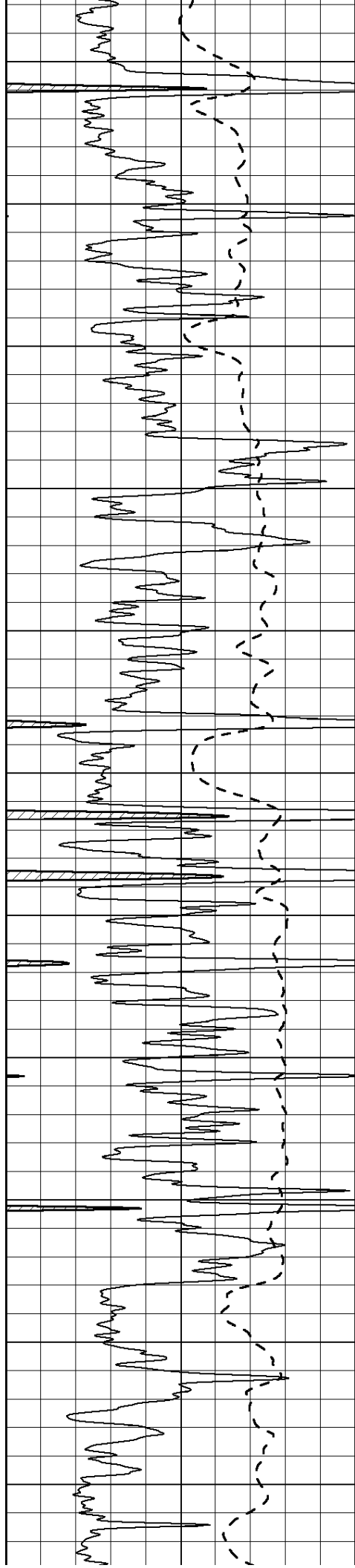
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4800

4850





4900

4950

5000

5050

5100

5150

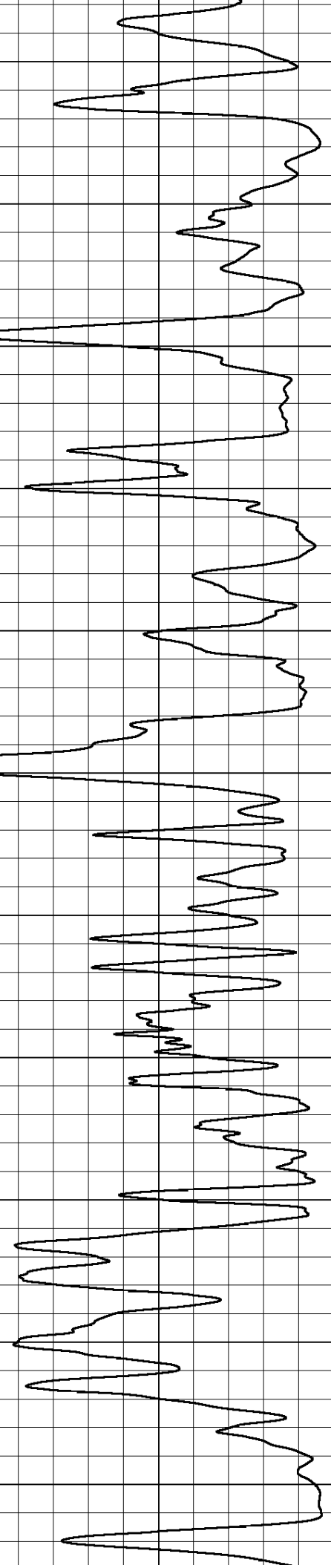
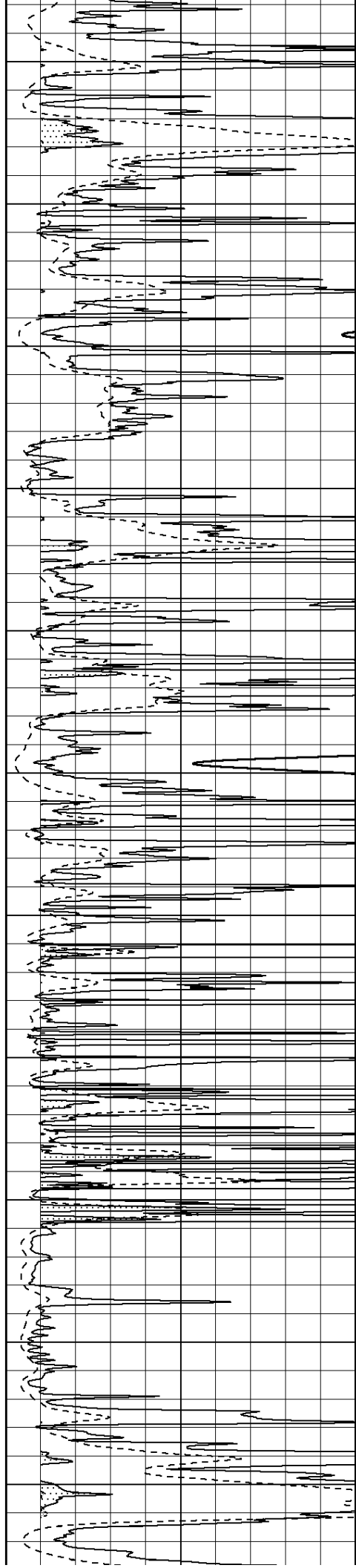
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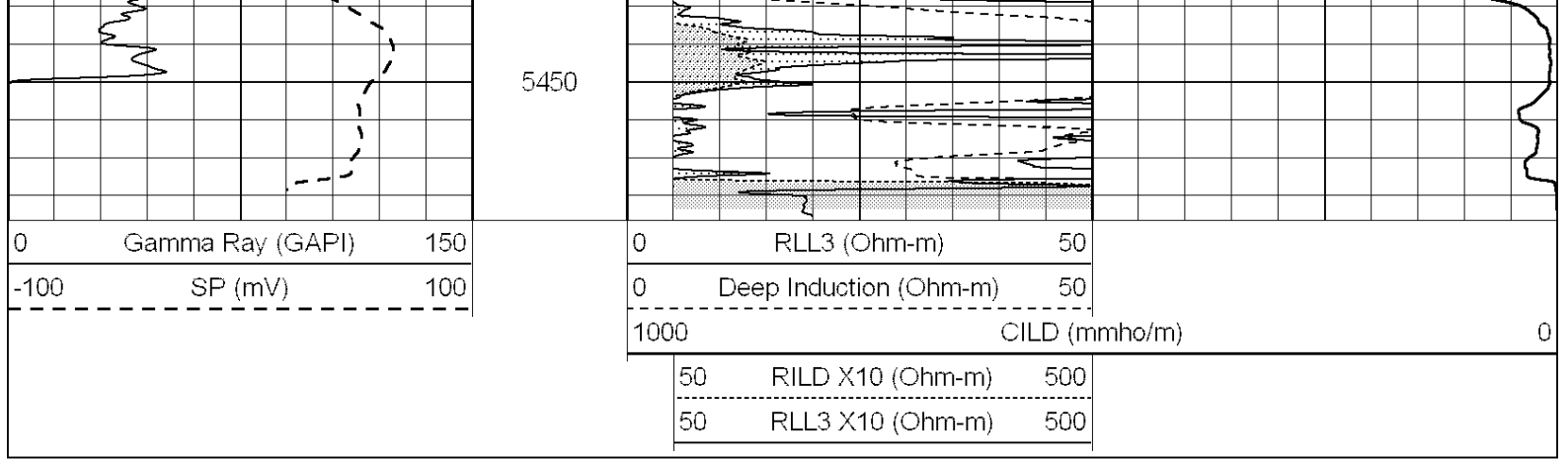
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5300

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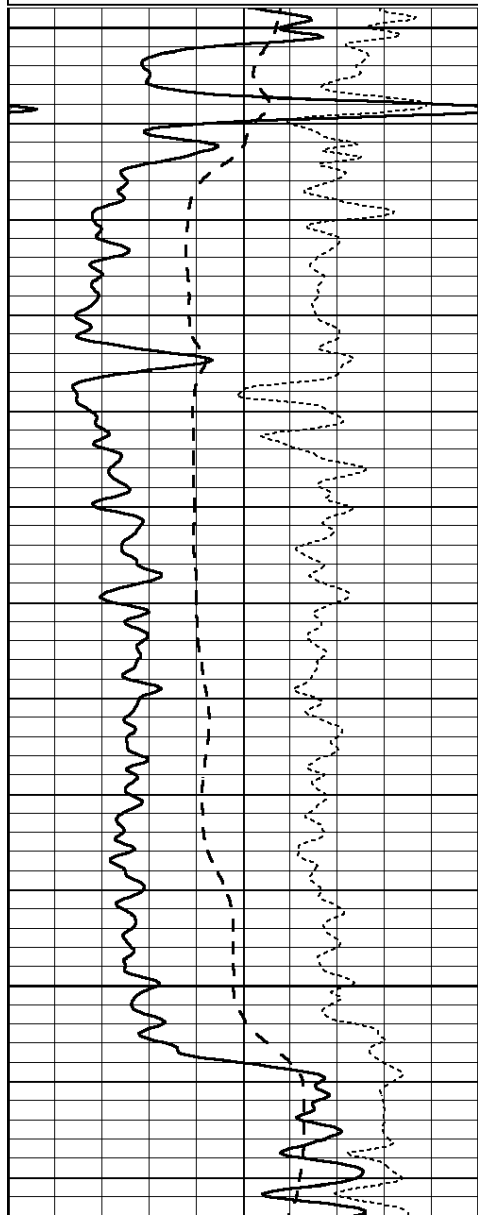
5400





Database File: 009210pe.db
 Dataset Pathname: pass3.1
 Presentation Format: _dil
 Dataset Creation: Thu May 31 10:23:04 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

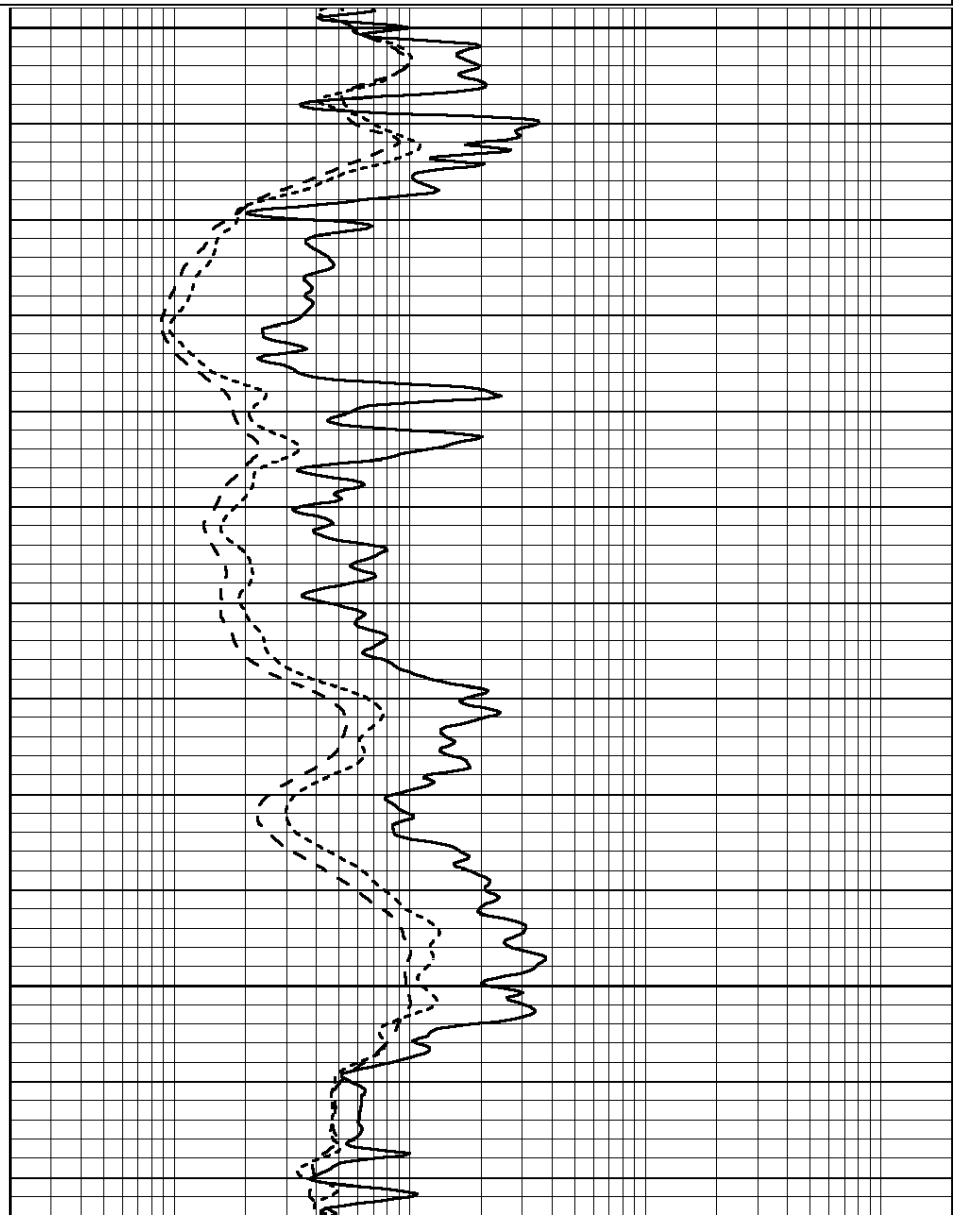
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000

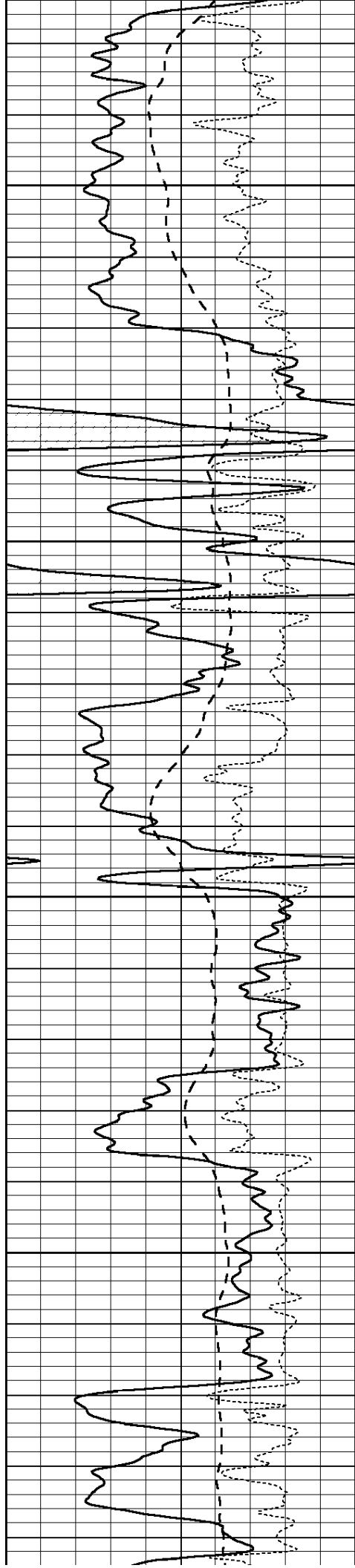


4200

4250

4300



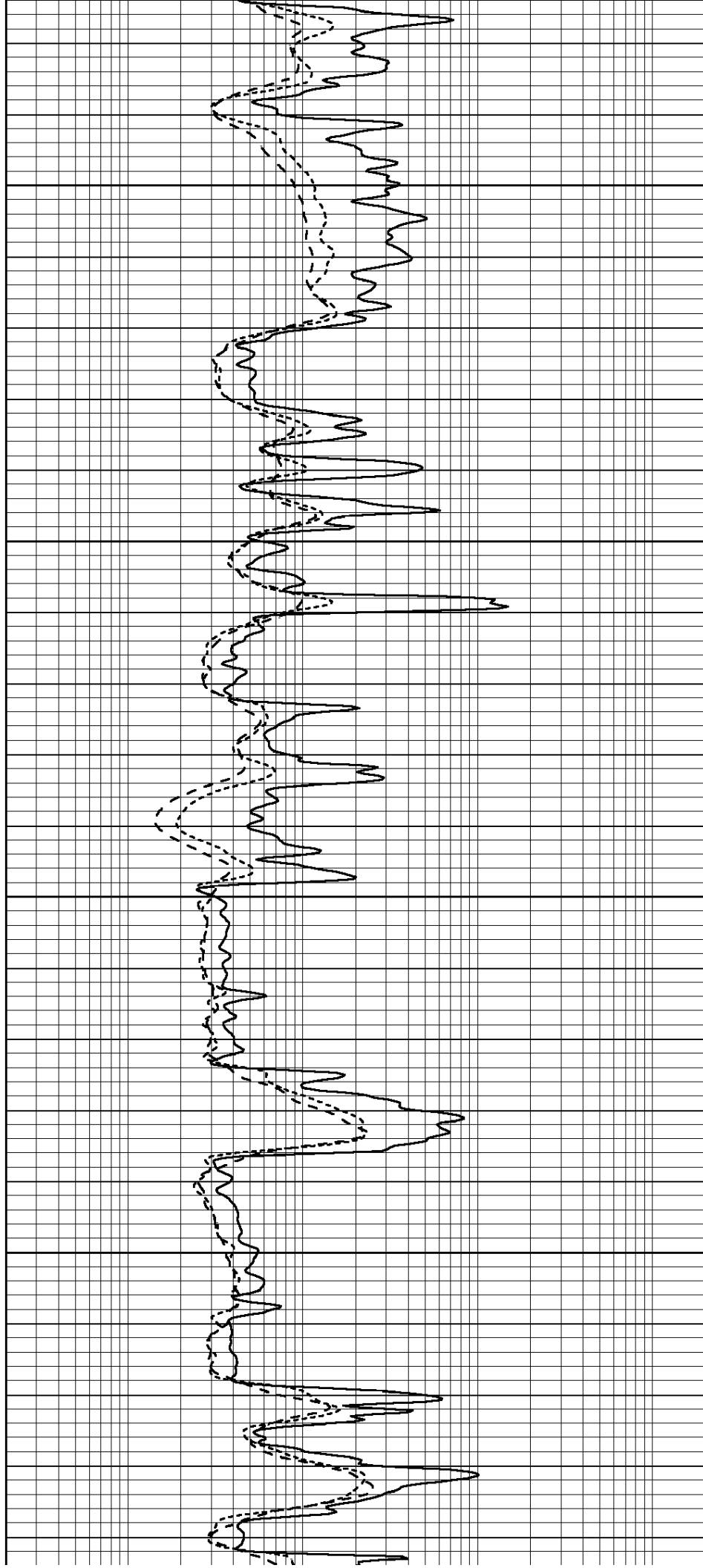


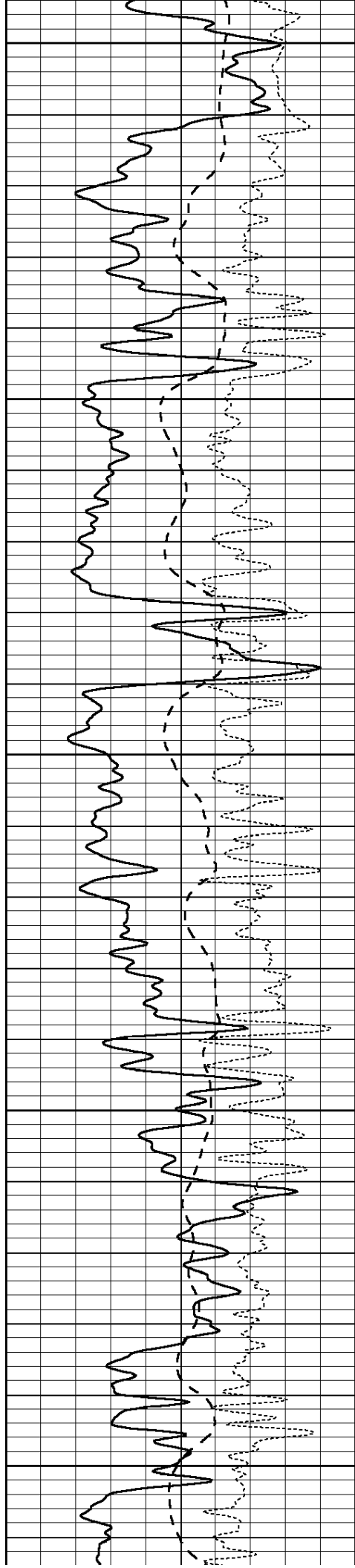
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4500





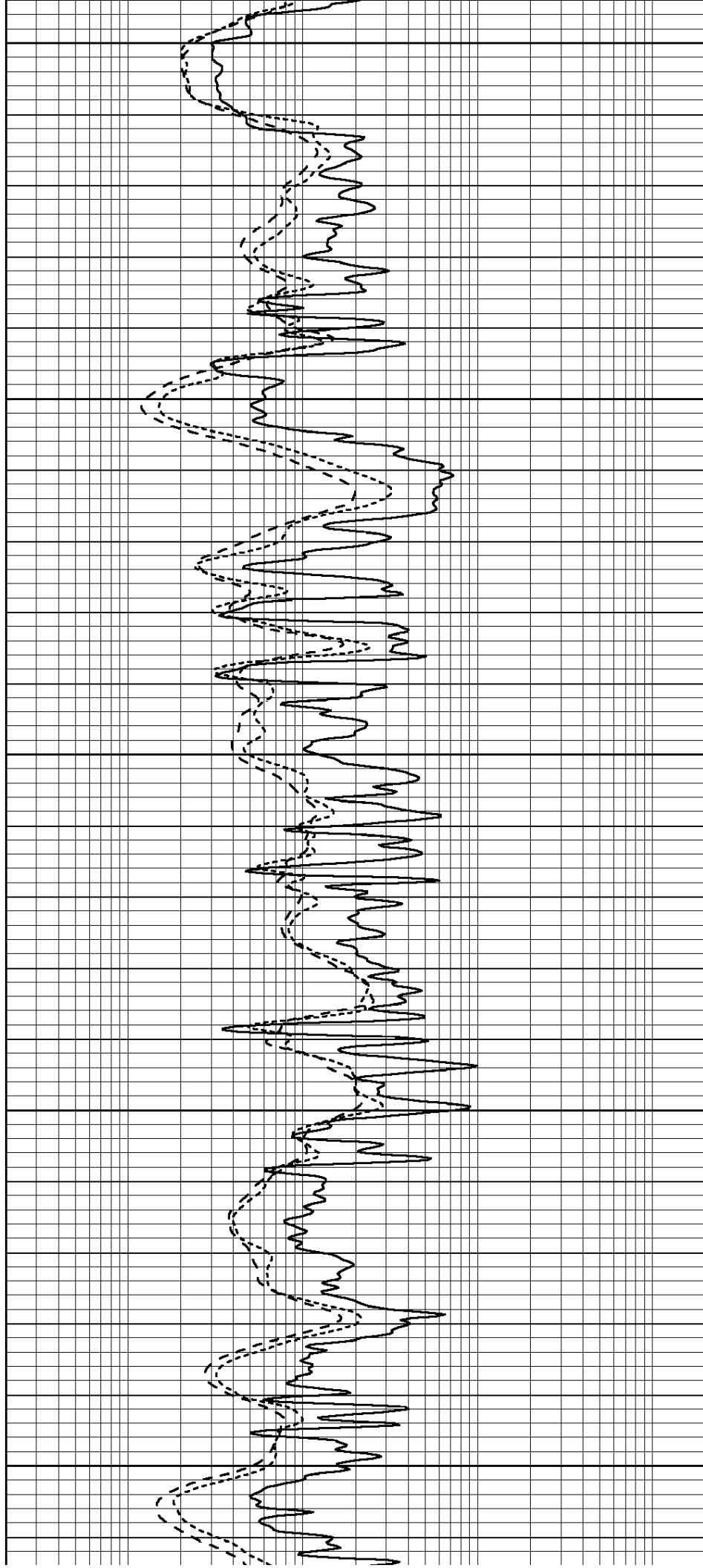
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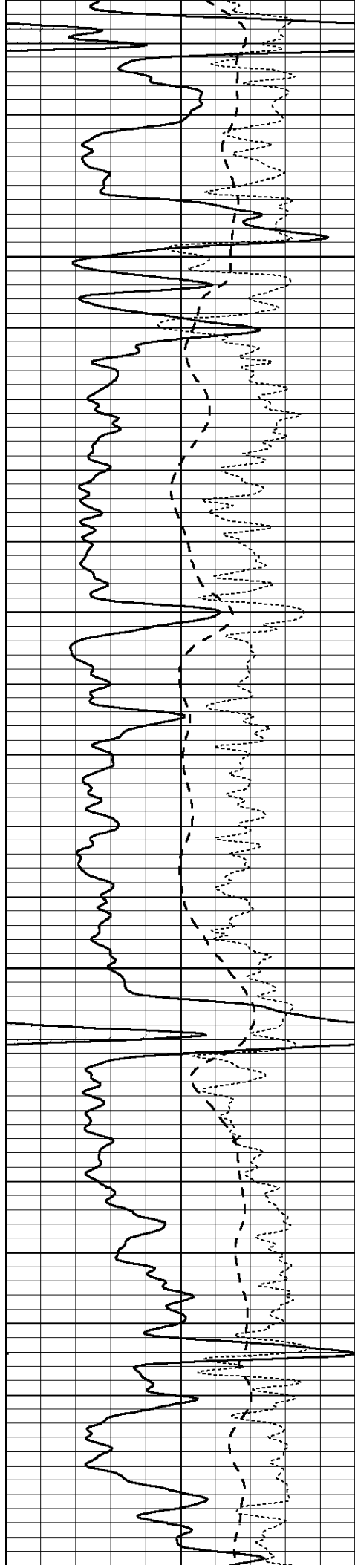
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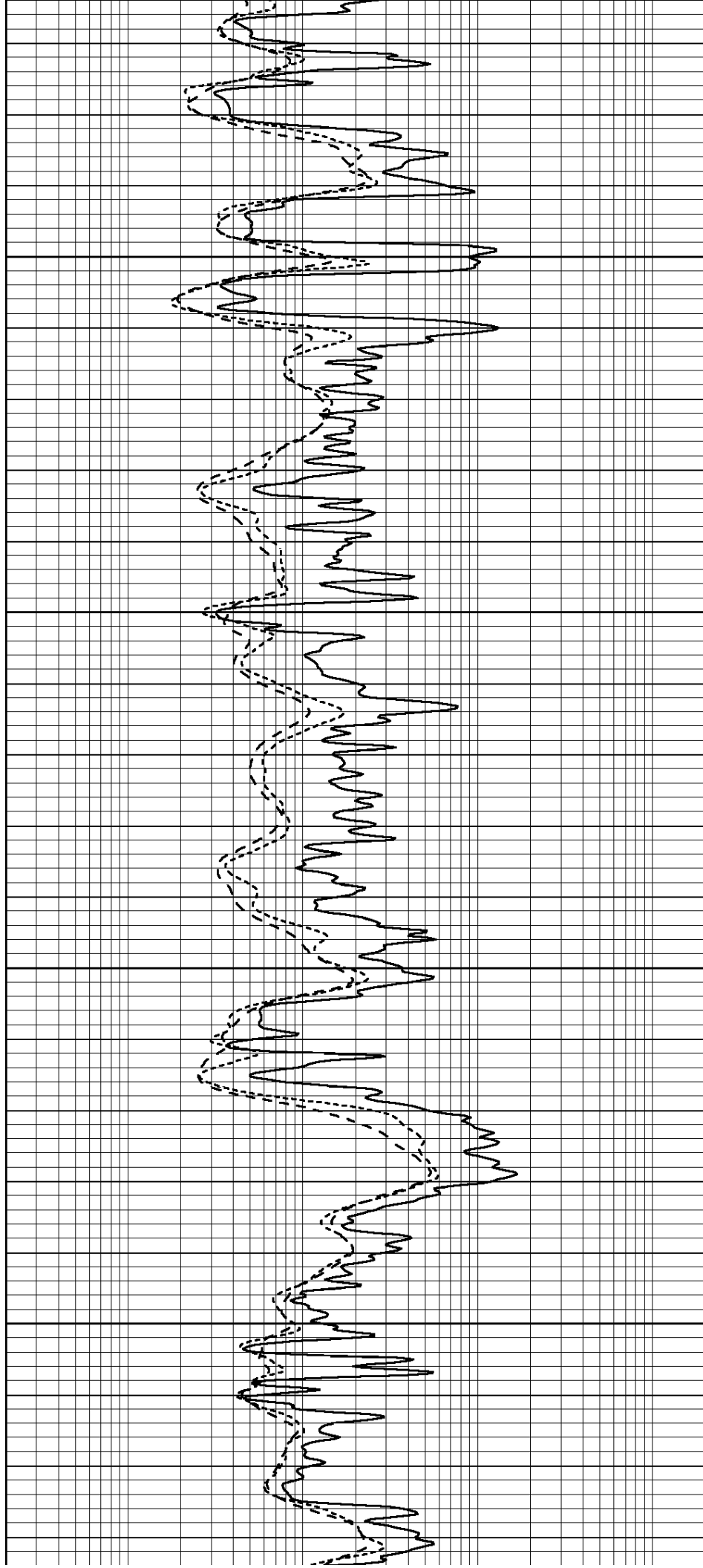


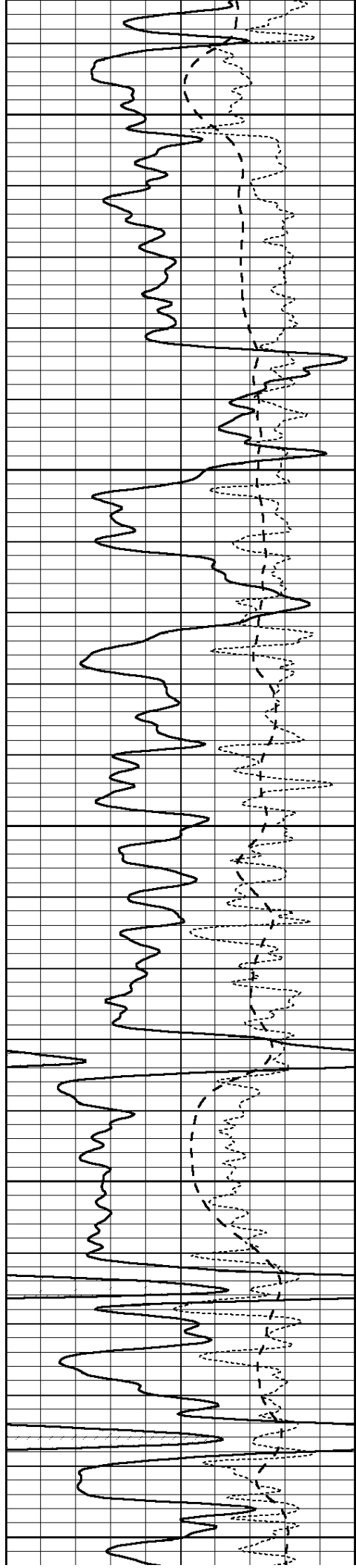
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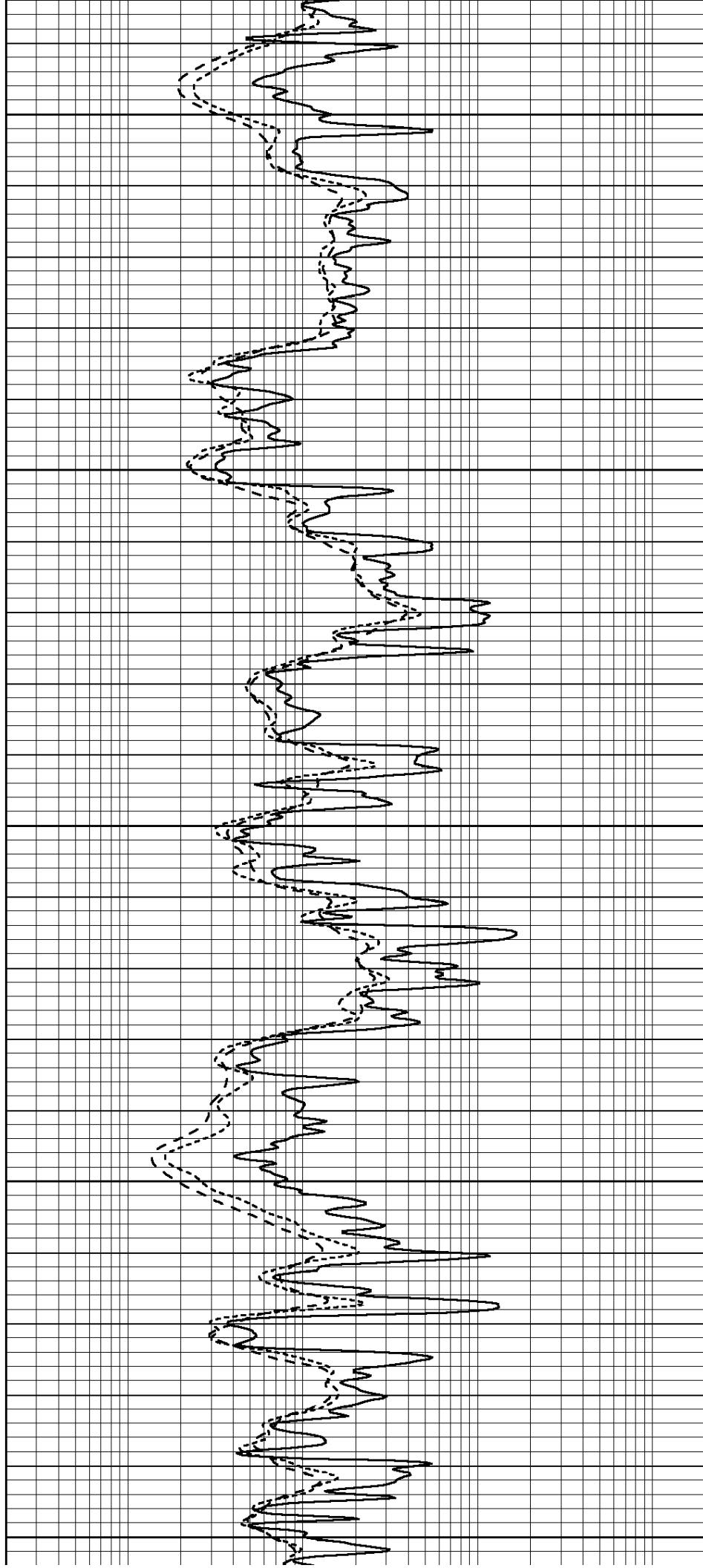
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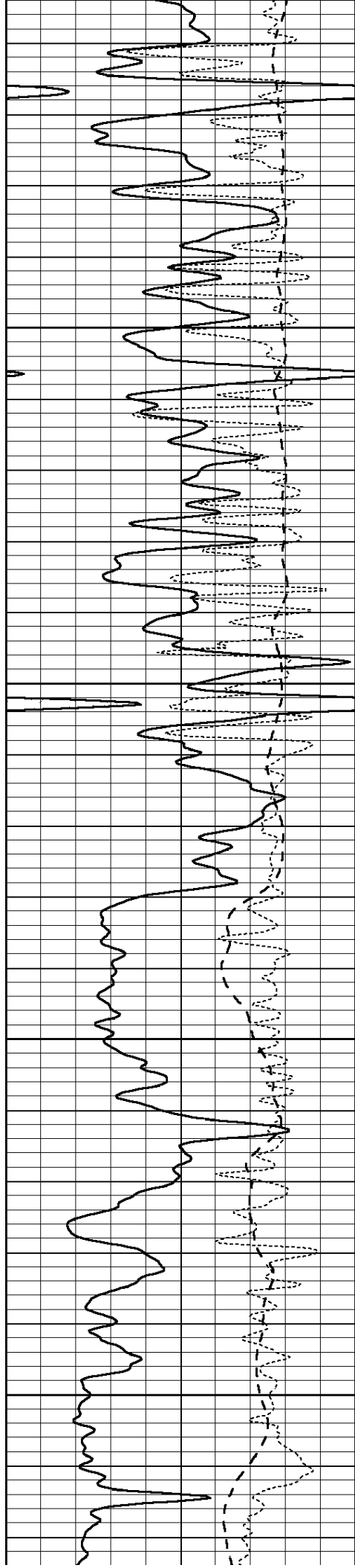
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5150

5200



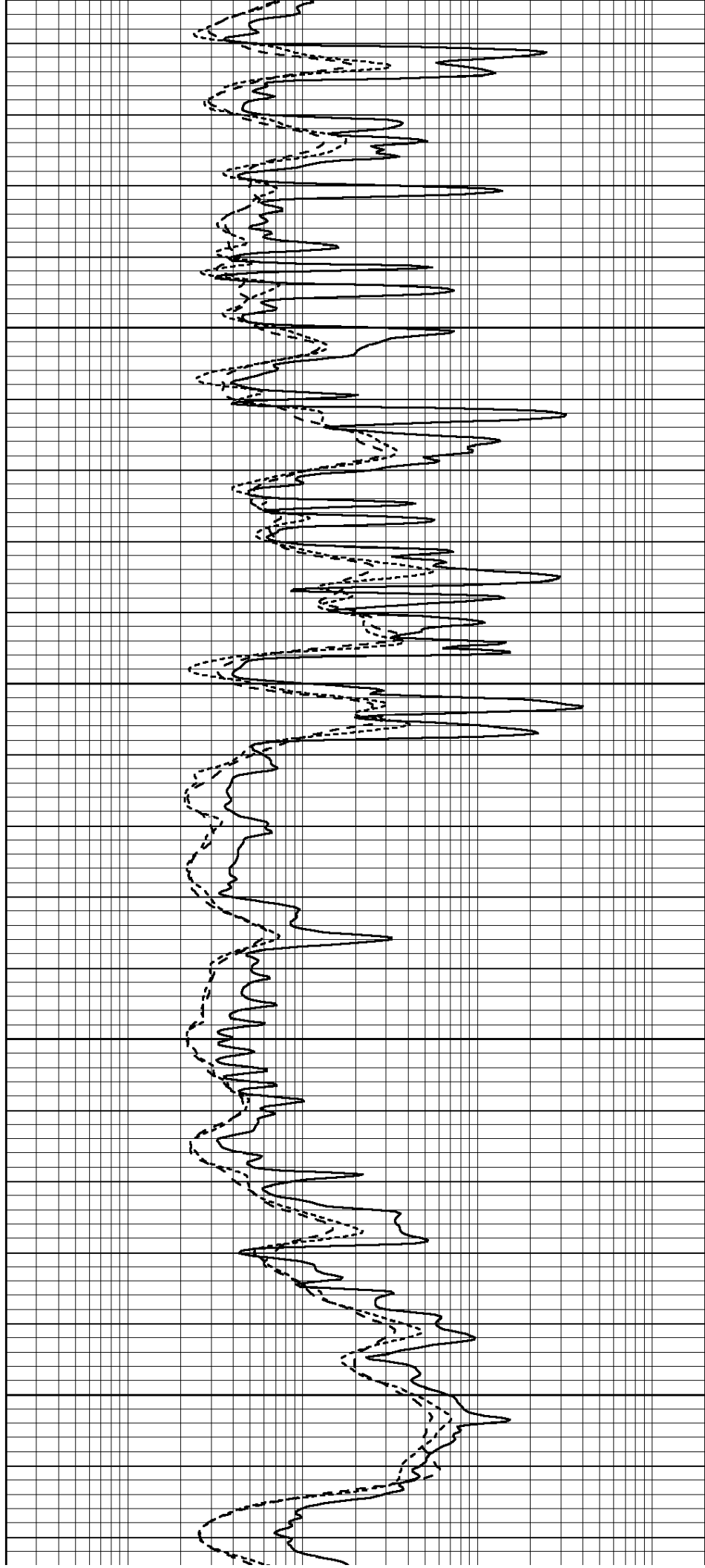


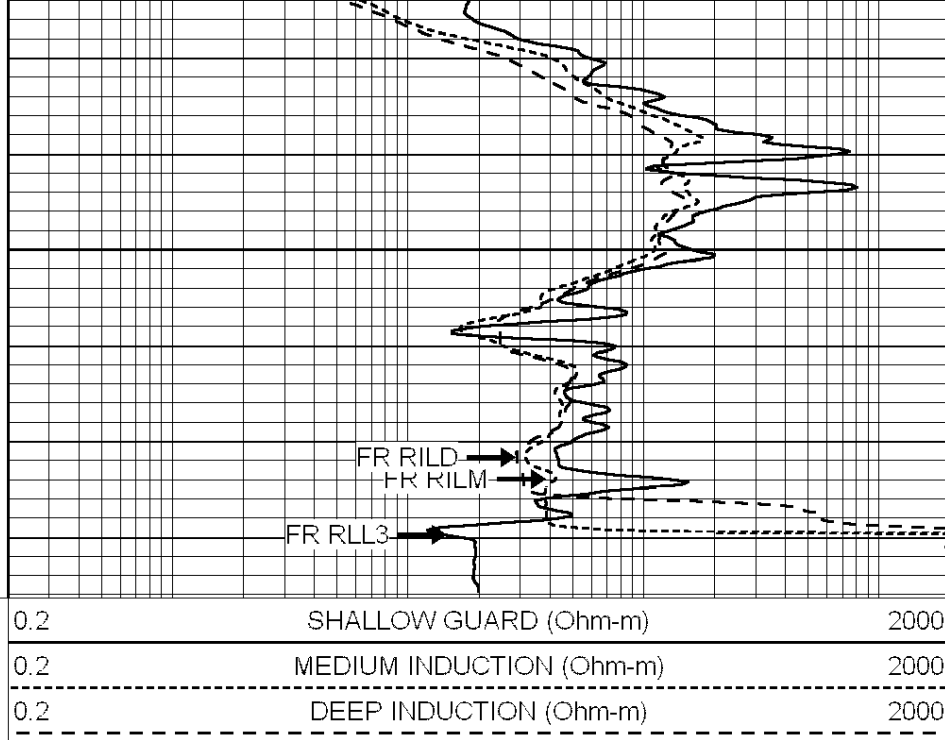
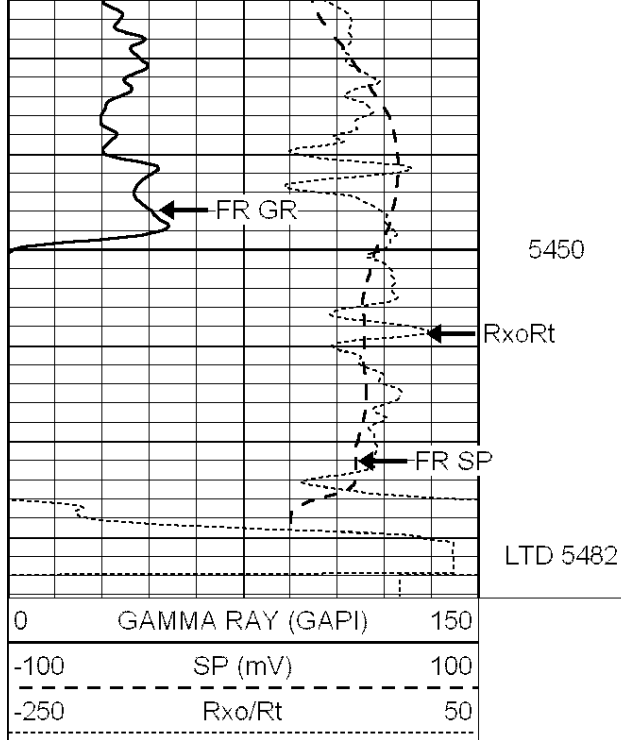
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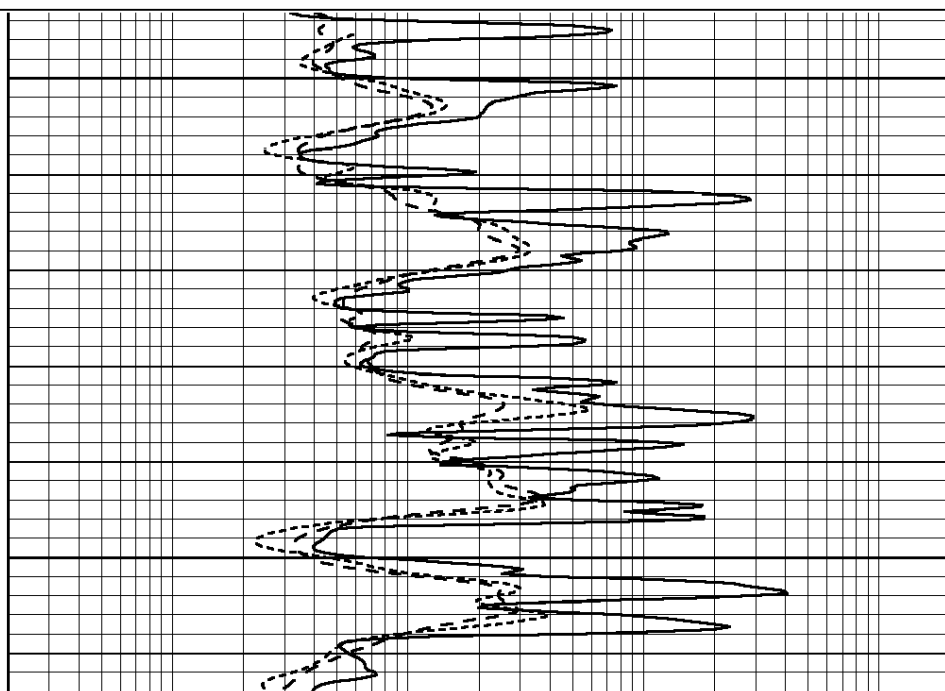
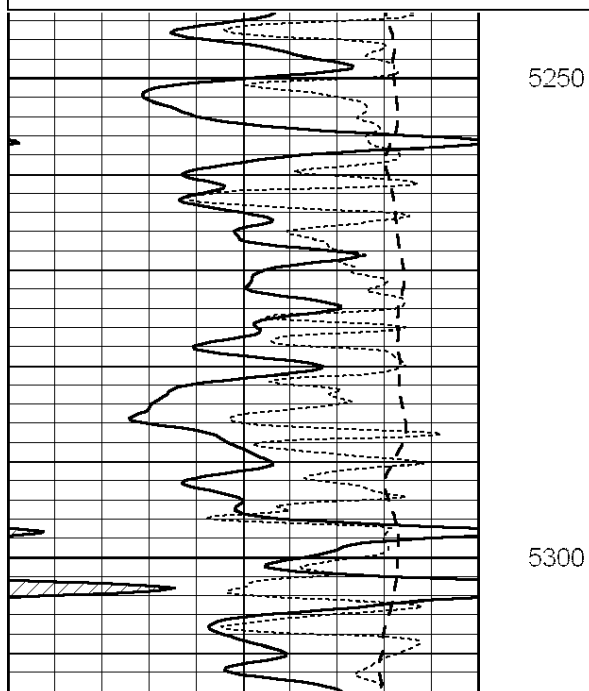
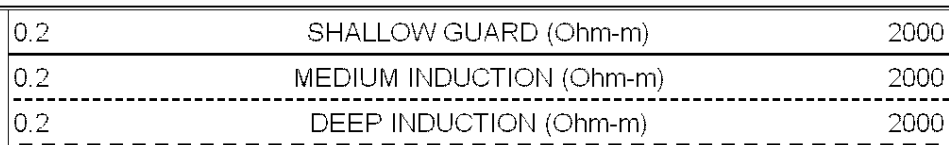
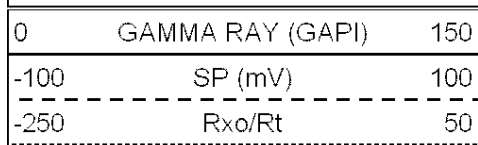


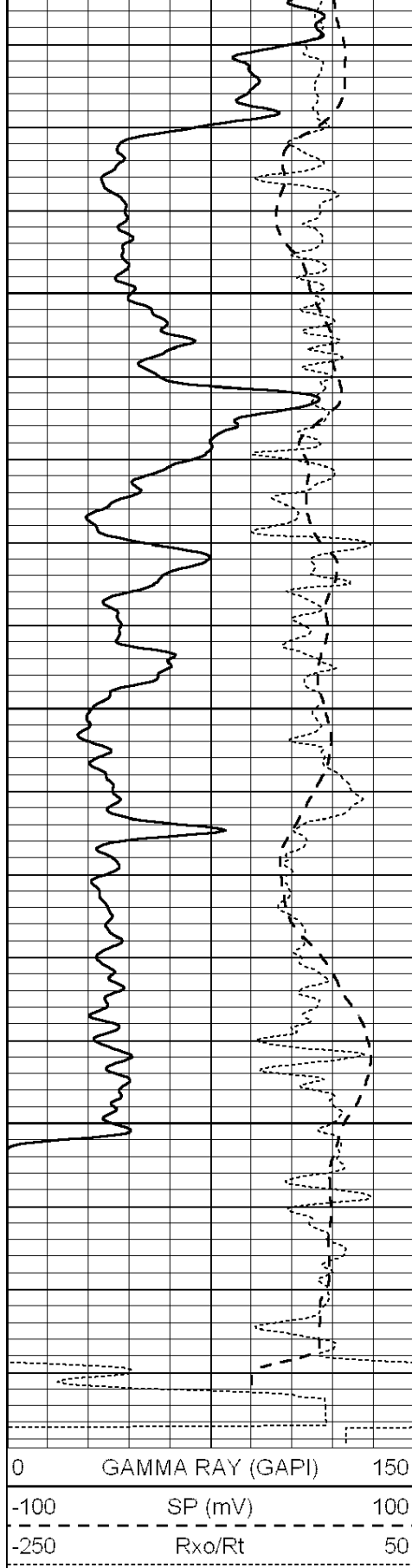


SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 009210pe.db
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 Presentation Format: _dil
 Dataset Creation: Thu May 31 10:35:02 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

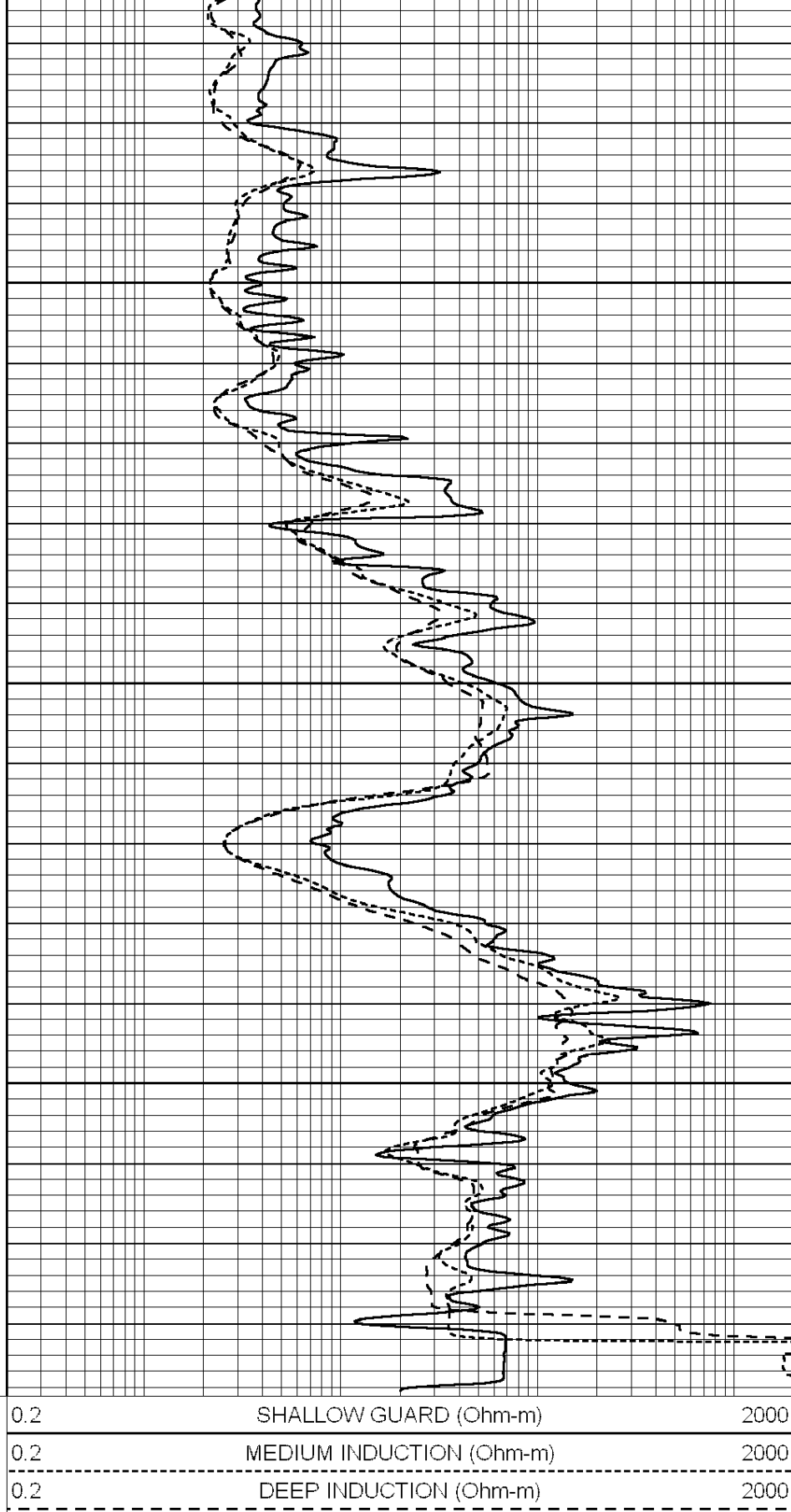




5350

5400

5450



Calibration Report

Database File: 009210pe.db
 Dataset Pathname: pass3.2
 Dataset Creation: Thu May 31 12:27:47 2012 by Calc Open-Cased 090629

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Fri Aug 01 06:33:19 2008
 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	632.616	-9.730
Medium	0.029	0.796	V	0.000	464.000	mmho/m	605.049	-17.680
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: 001 Model: PRB
 Performed Thu Sep 17 09:57:21 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2056.0	9796.8	3673.1	10821.3	cps
Window 2	1920.0	8541.1	3303.5	9307.2	cps
Window 3	1563.1	4735.7	2212.8	5017.5	cps
Window 4	466.0	466.1	465.6	471.5	cps
Long Space	0.0	6621.1	1383.5	7387.2	cps
Short Space	2.5	2361.7	1523.2	2534.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.4	Rib Slope	: 0.978	Density/Spine Ratio	: 0.541
Spine Angle	: 74.4	Spine Slope	: 3.570	Spine Intercept	: -18.9

Caliper

	Readings	Reference	
Low Ref	3.1	8.4	
High Ref	4.3	14.3	
Gain: 4.6			Offset: -7.7

		Serial Number:		6I	
		Tool Model:		G	
CALIBRATION					
Detector		Readings		Target	
Short Space		1.00	cps	1.00	cps
Long Space		1.00	cps	1.00	cps
		Normalization			
		1.0000			
		1.0000			
Gamma Ray Calibration Report					
Serial Number:		#8			
Tool Model:		OPEN			
Performed:		Mon Jun 13 16:56:43 2011			
Calibrator Value:		150.0		GAPI	
Background Reading:		0.0		cps	
Calibrator Reading:		175.0		cps	
Sensitivity:		0.8371		GAPI/cps	