



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company	VINCENT OIL CORPORATION	Location:	API # : 15-057-20630-0000	Other Services
Well	CUMMINGS #1-12	Well	CUMMINGS #1-12	PE/CDL/CNL
Field	WILDCAT	Field	WILDCAT	MEL/SONIC
County	FORD	County	FORD	
State	KANSAS	State	KANSAS	
Permanent Datum		GROUND LEVEL	Elevation	2536
Log Measured From		KELLY BUSHING 12' A.G.L.		
Drilling Measured From		KELLY BUSHING		
SEC 12 TWP 29S RGE 23W				
Elevation				
K.B. 2548				
D.F. 2546				
G.L. 2536				
Date	03/17/2009			
Run Number	CNE			
Depth Driller	5450			
Depth Logger	5449			
Bottom Logged Interval	5447			
Top Log Interval	0			
Casing Driller	8 5/8 @ 650'			
Casing Logger	647'			
Bit Size	7 7/8			
Type Fluid in Hole	CHEMICAL MUD			
Density / Viscosity	9.4 / 78	CHLORIDES 12,000		
pH / Fluid Loss	9.0 / 15.2			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	0.36 @ 69F			
Rmf @ Meas. Temp	0.27 @ 69F			
Rmc @ Meas. Temp	0.43 @ 69F			
Source of Rmf / Rmc	CAL/CAL			
Rm @ BHT	0.19 @ 129F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	3:00 PM			
Maximum Recorded Temperature	129F			
Equipment Number	680			
Location	HAYS, KS			
Recorded By	JEFF GRONEWEG	JOE CRATHORNE		
Witnessed By	KEN LEBLANC			

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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 SERVICES
HAYS, KS. 785-628-6395

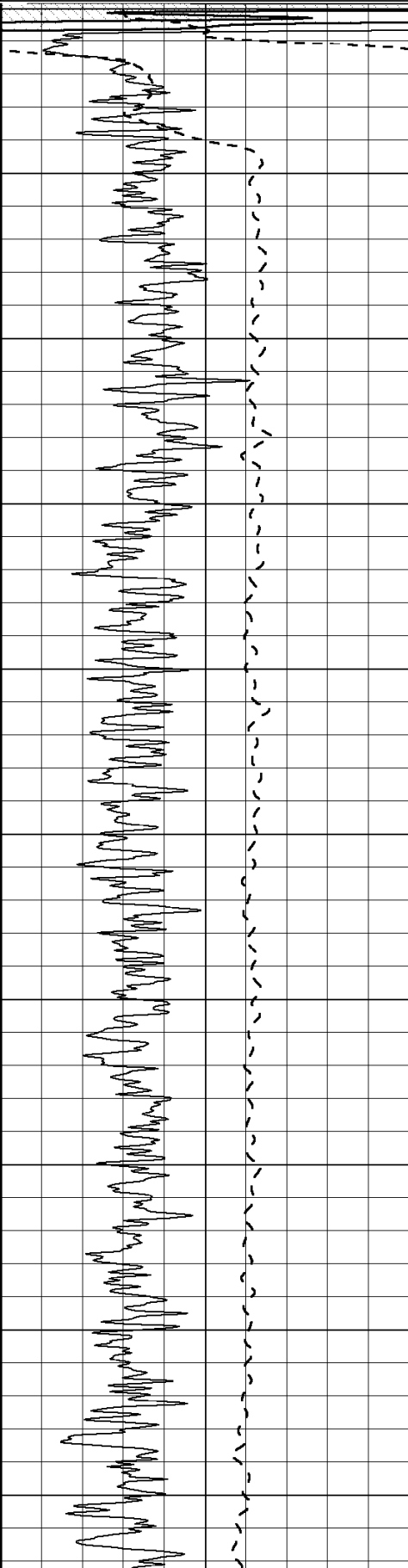
DIRECTIONS: EAST SIDE OF KINGSDOWN; 1 MILE NORTH ON RD 125 TO WILDFIRE RD, 1 MILE WEST ON WILDFIRE TO RD 124, 1/2 SOUTH, WEST INTO

Charted by: Depth in Feet scaled 1:600

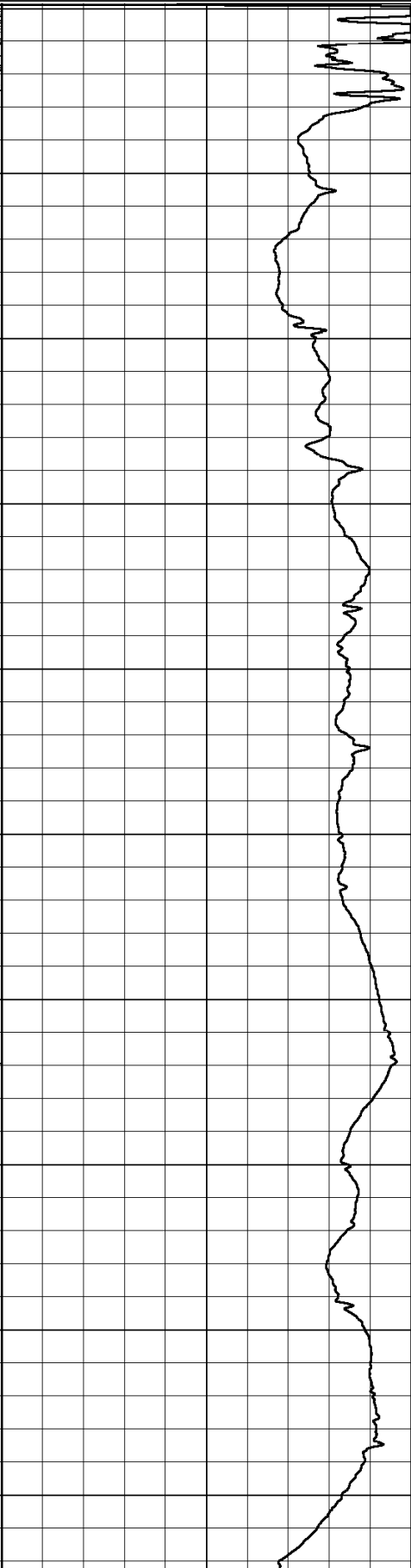
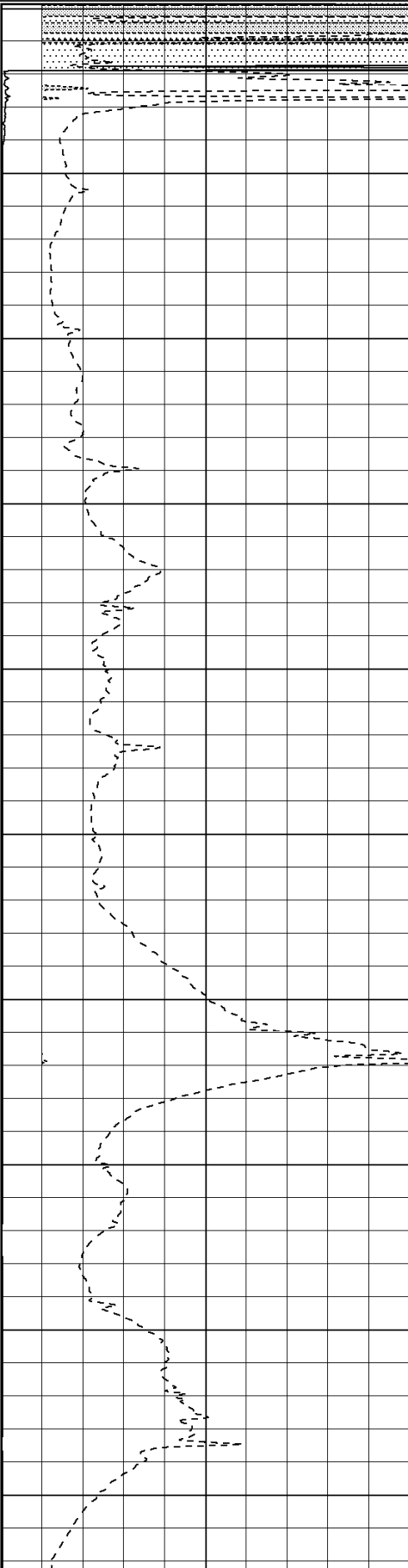
0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

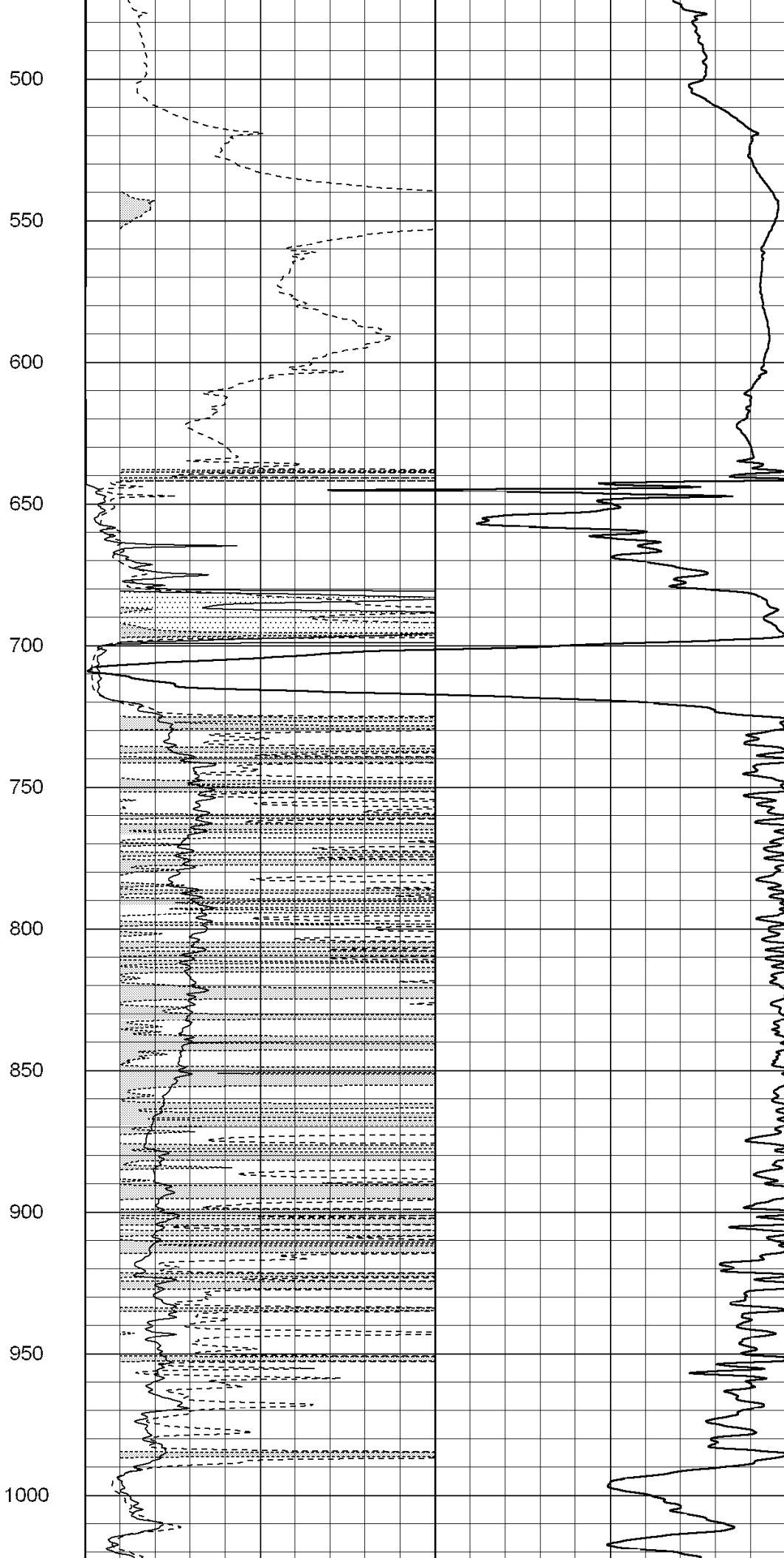
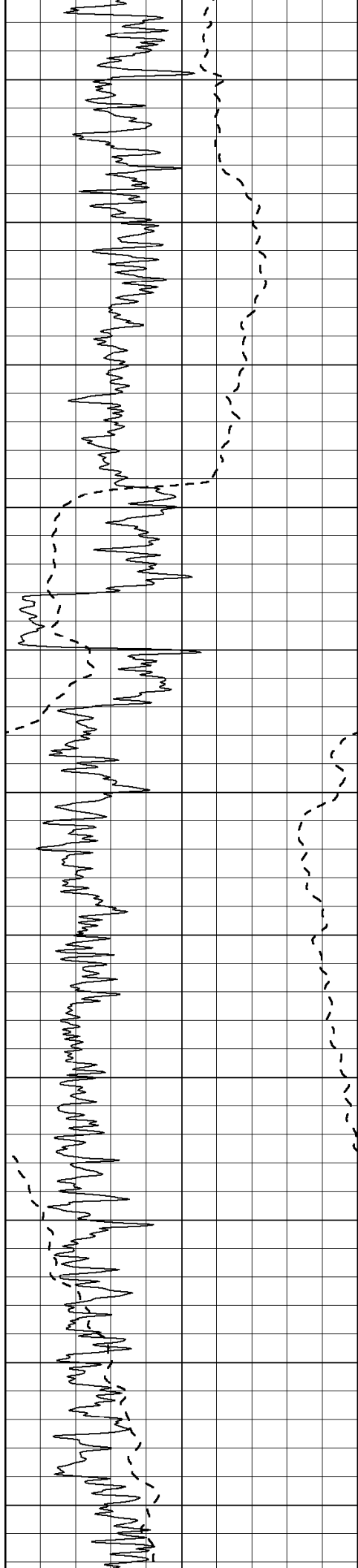
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50

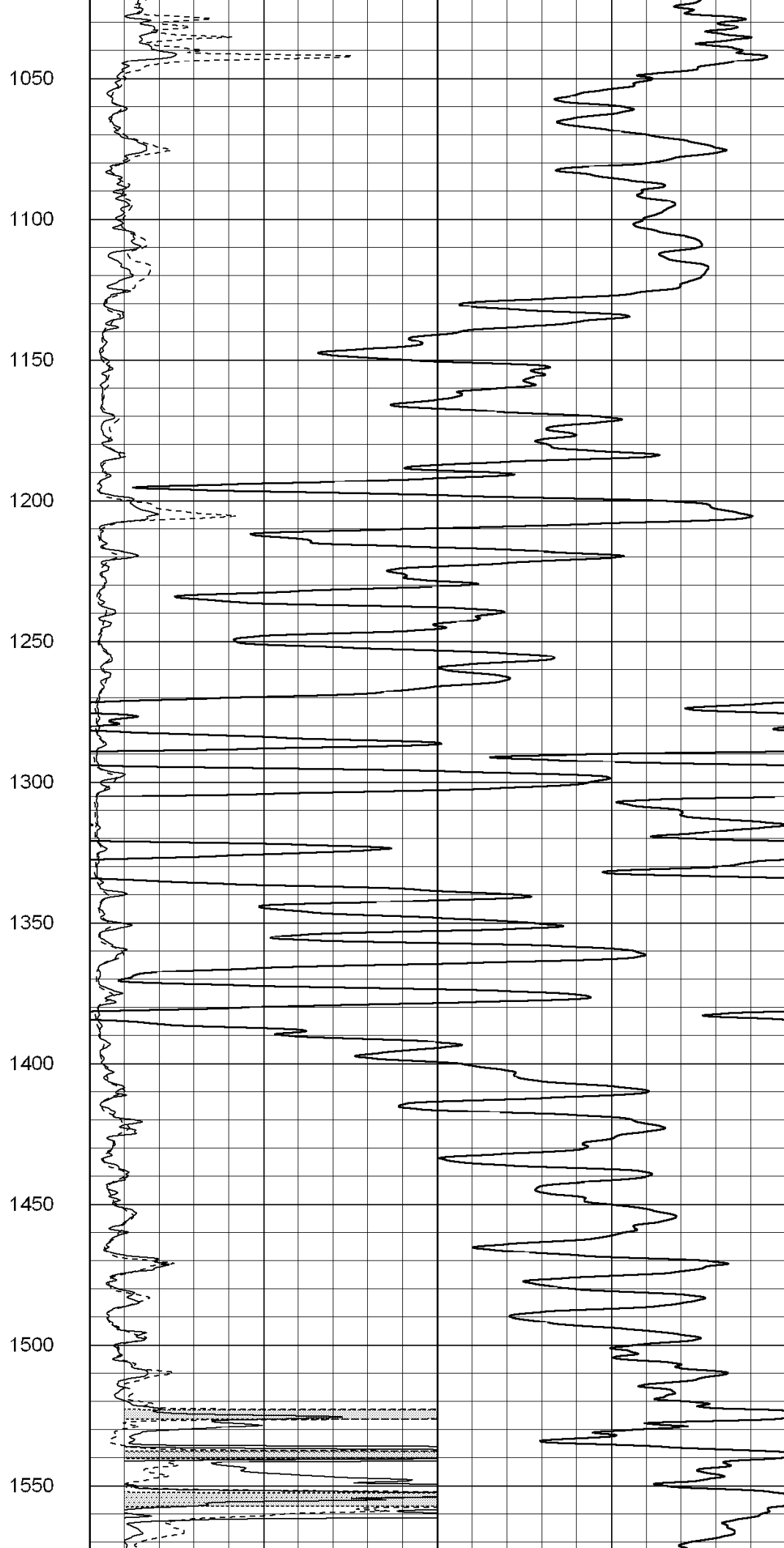
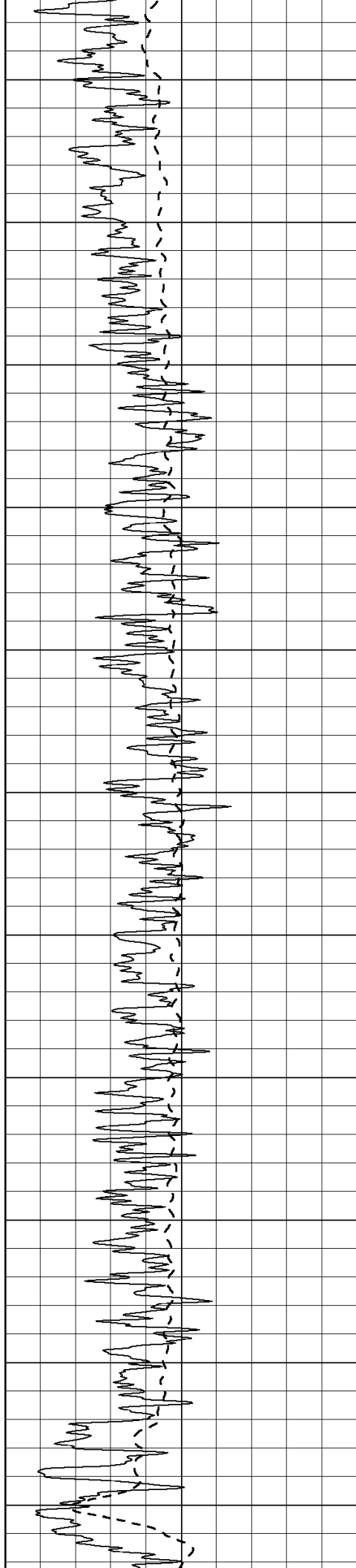
1000	CILD (mmho-m)	0
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

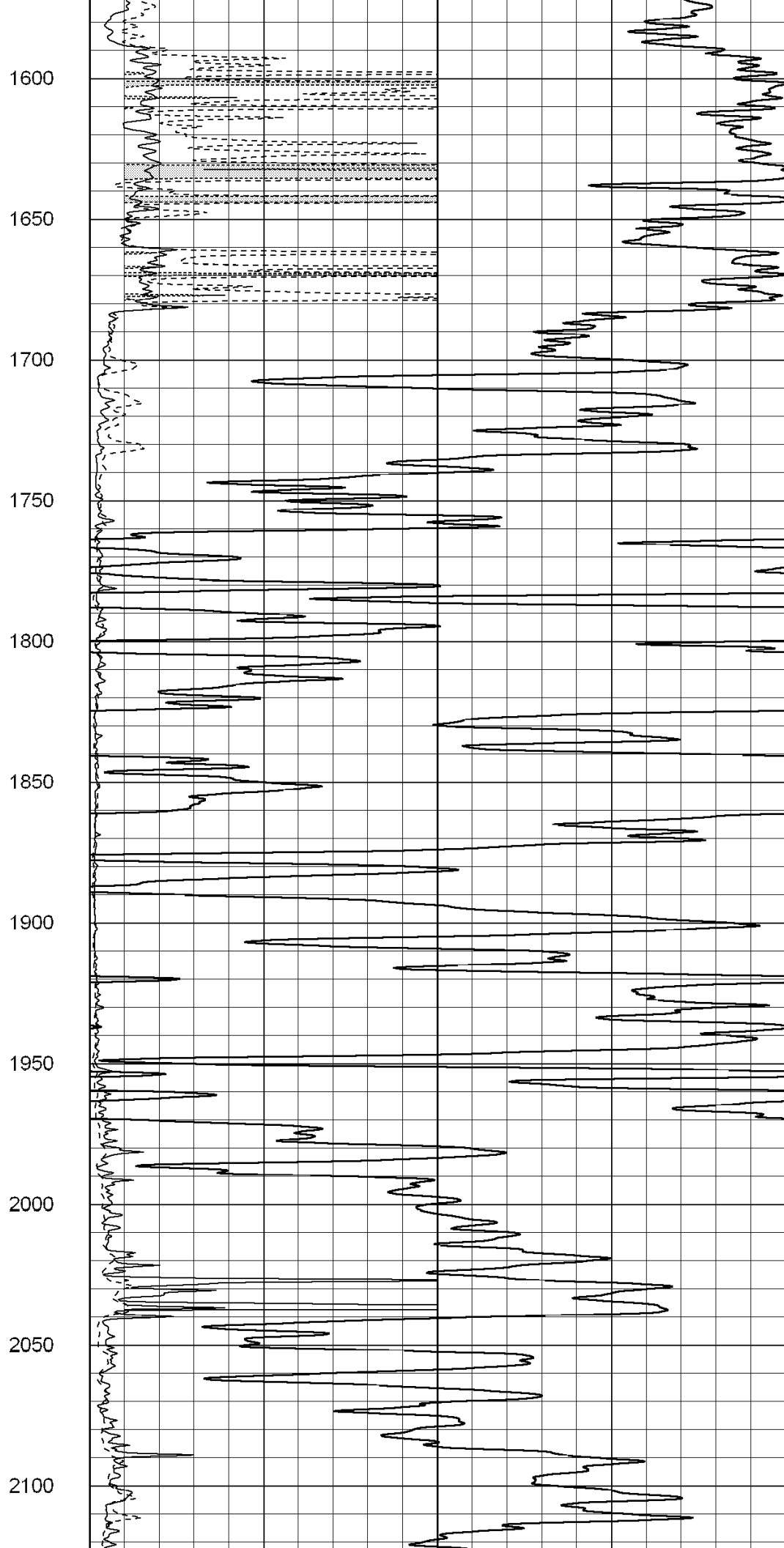
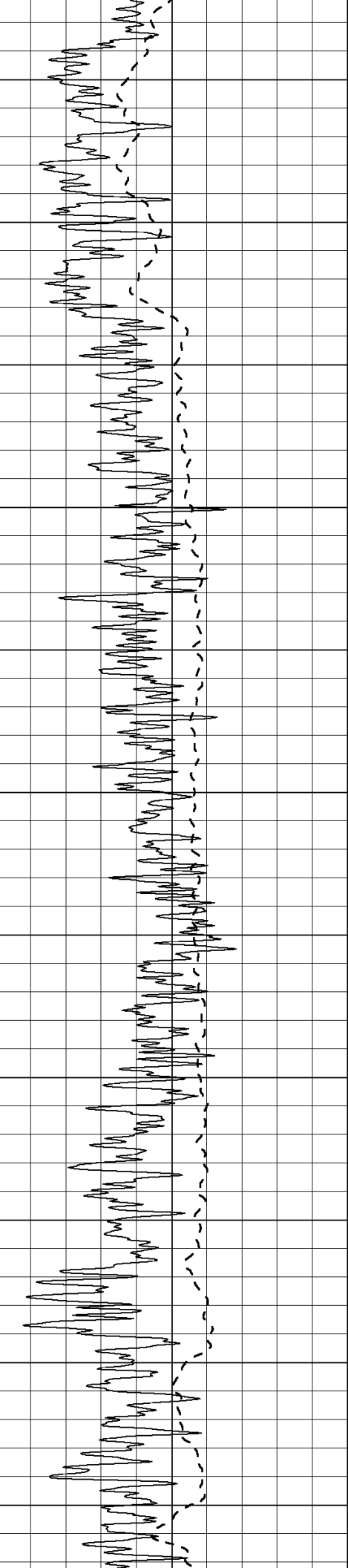


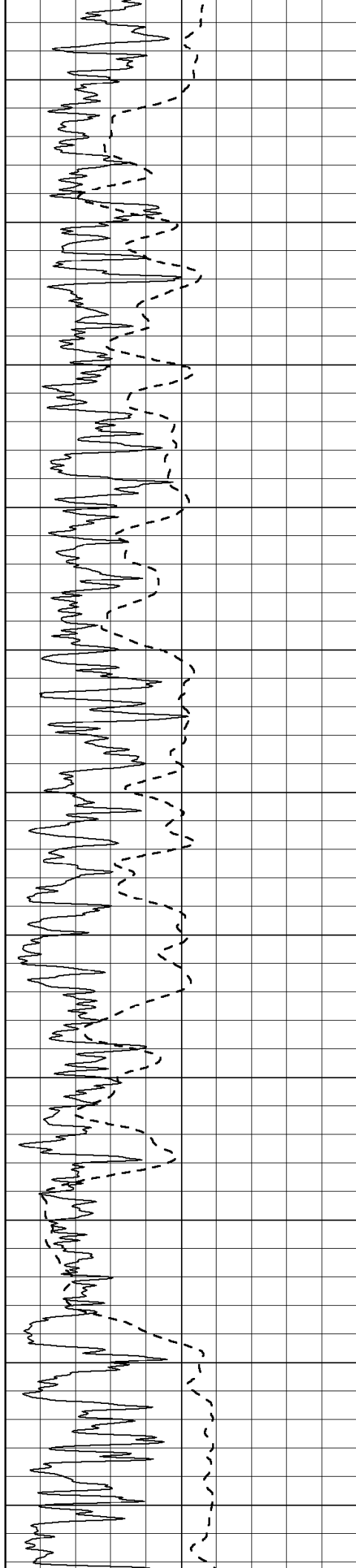
0
50
100
150
200
250
300
350
400
450











2150

2200

2250

2300

2350

2400

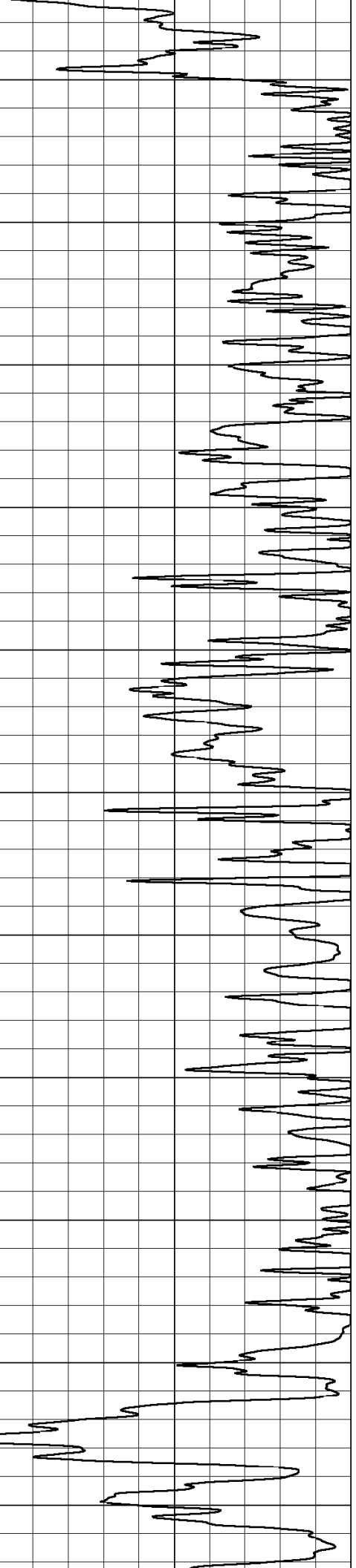
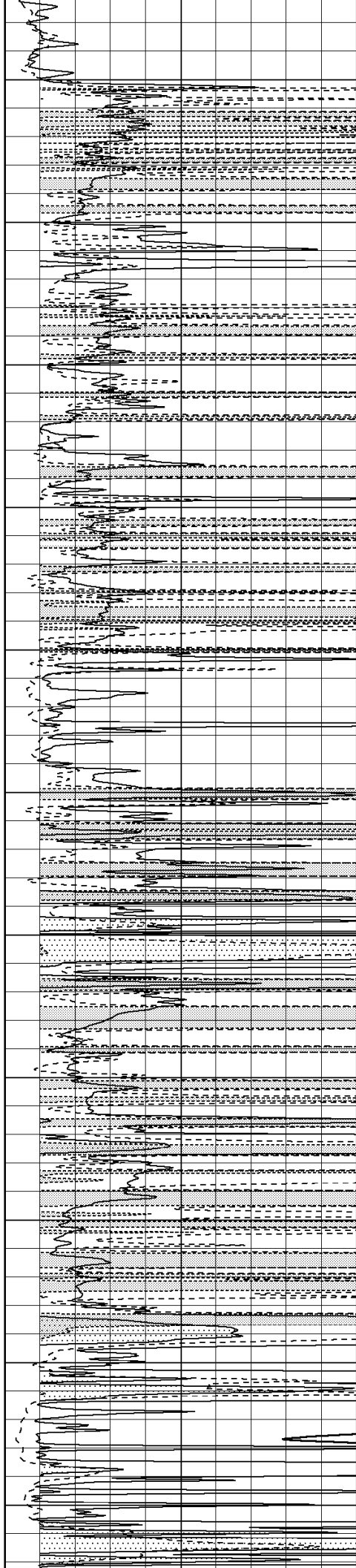
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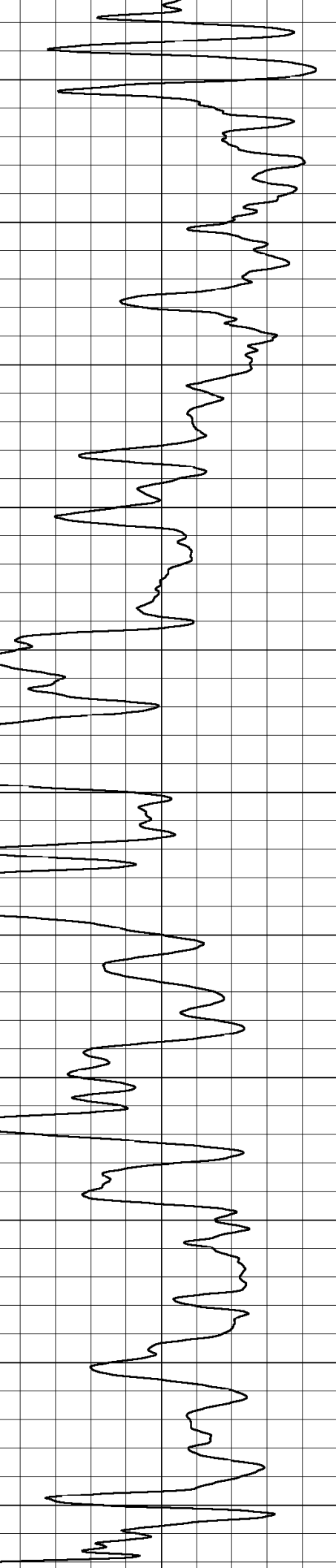
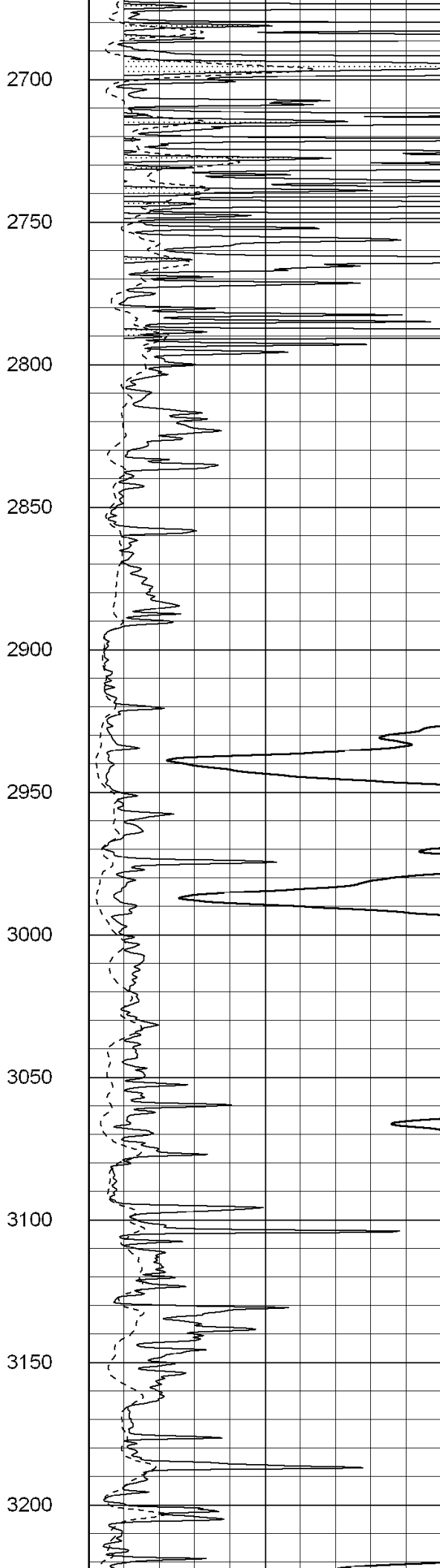
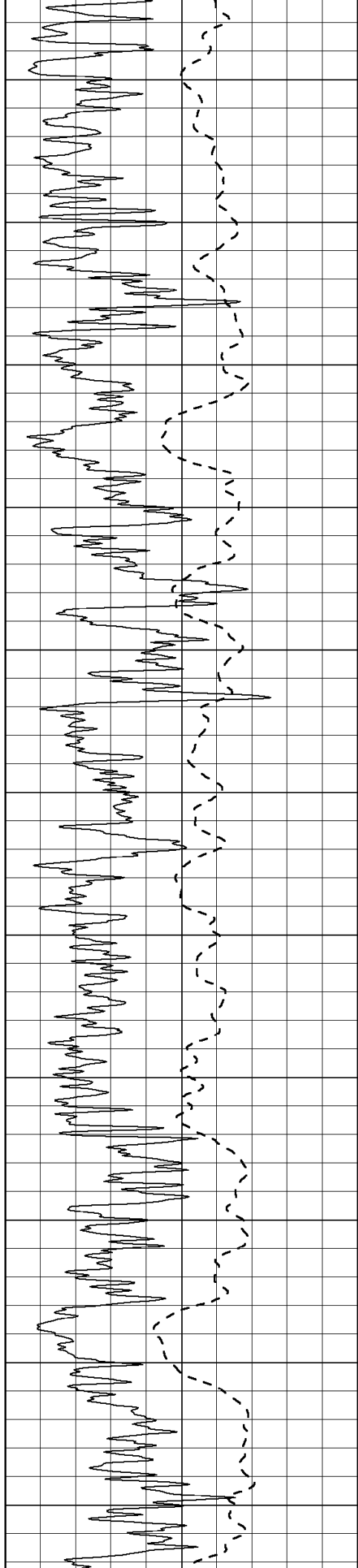
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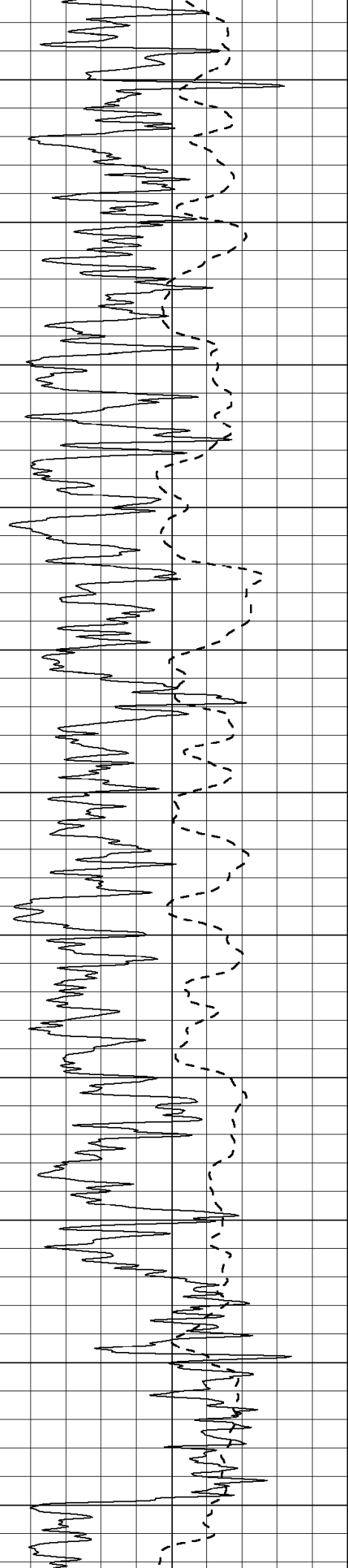
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2600

2650







3250

3300

3350

3400

3450

3500

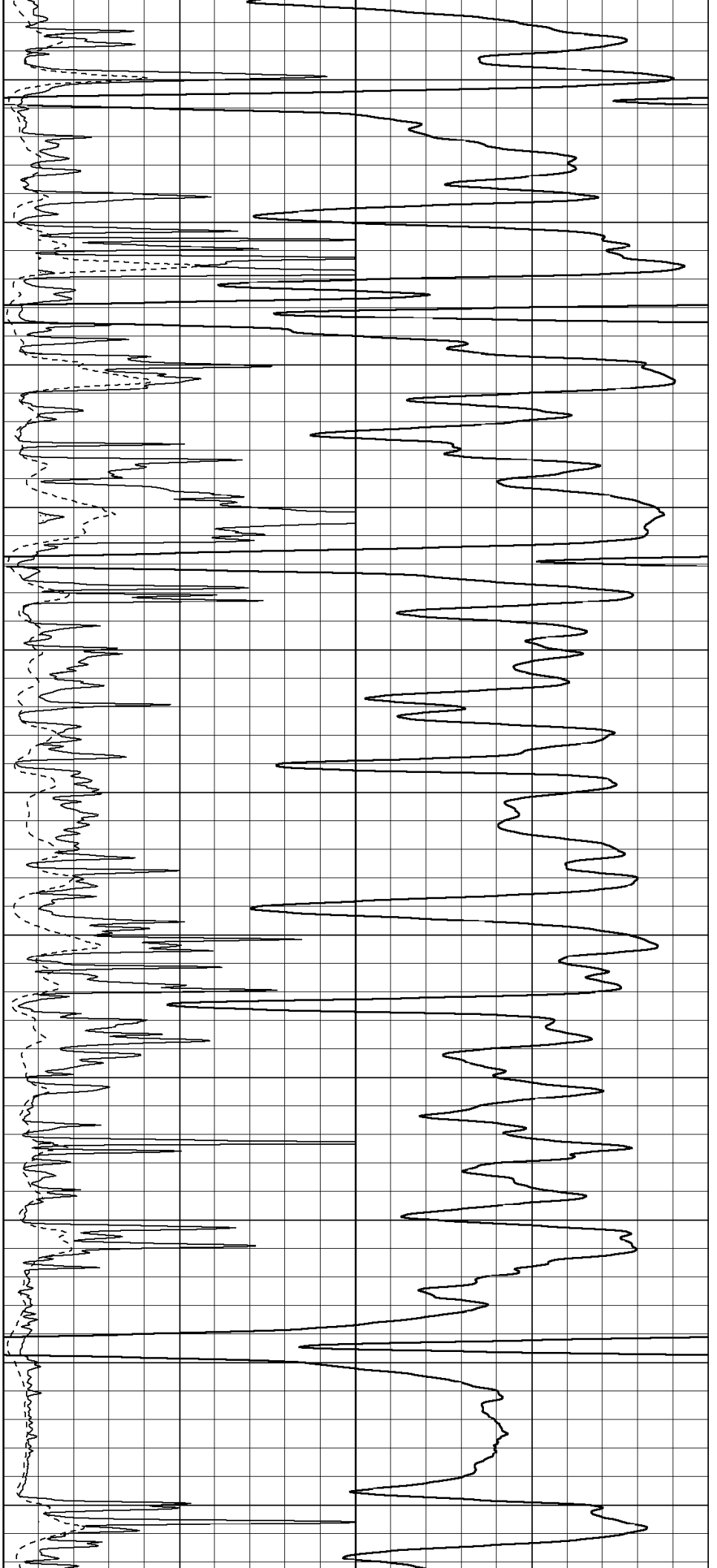
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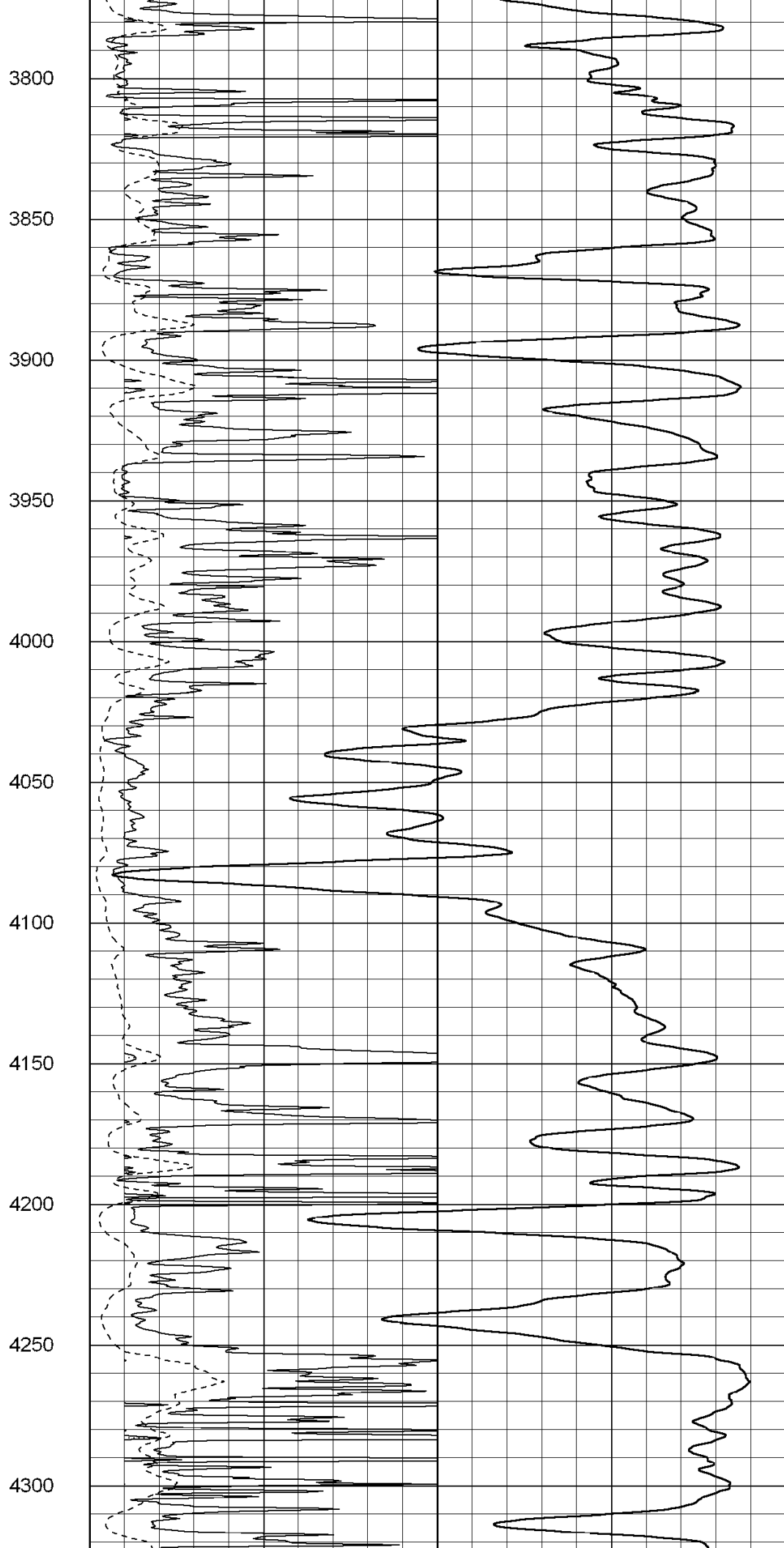
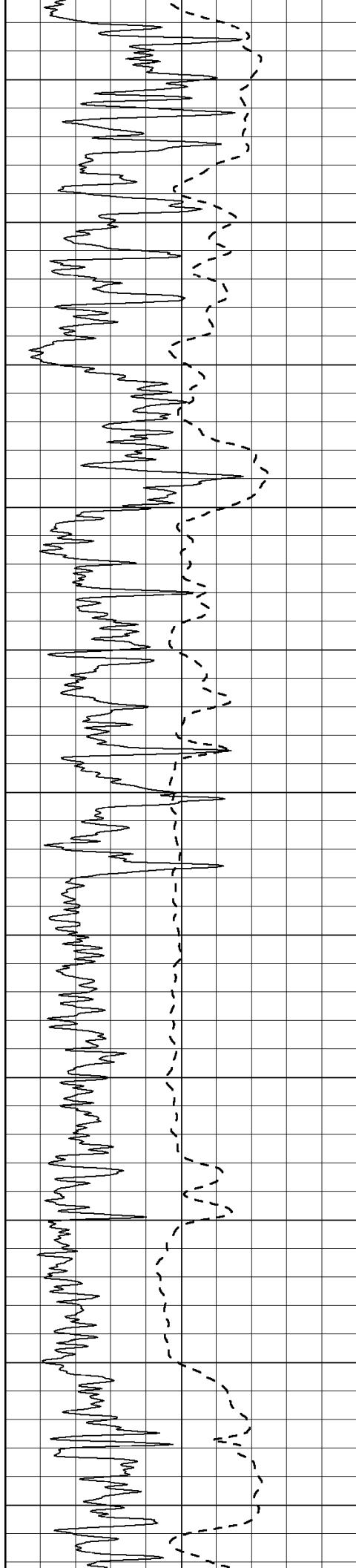
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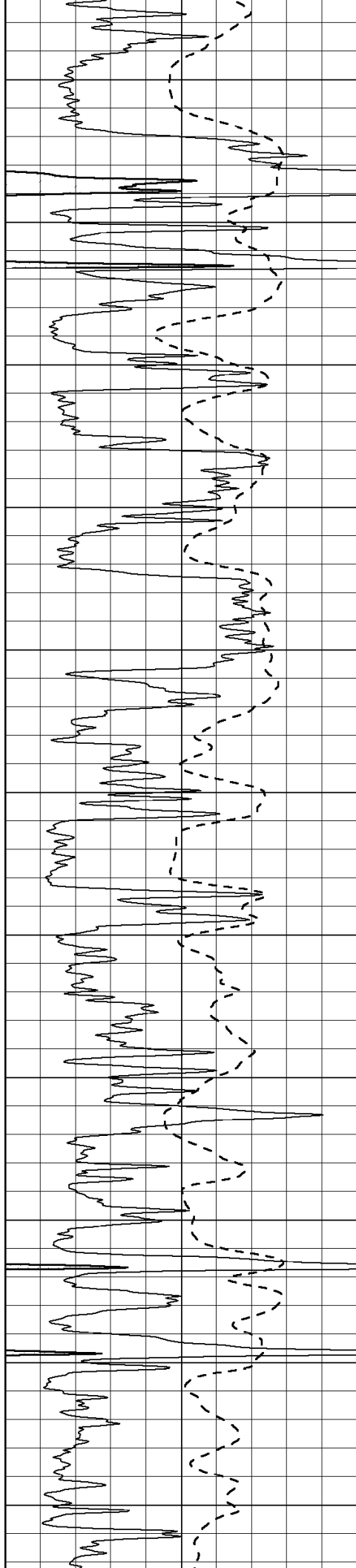
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3700

3750







4350

4400

4450

4500

4550

4600

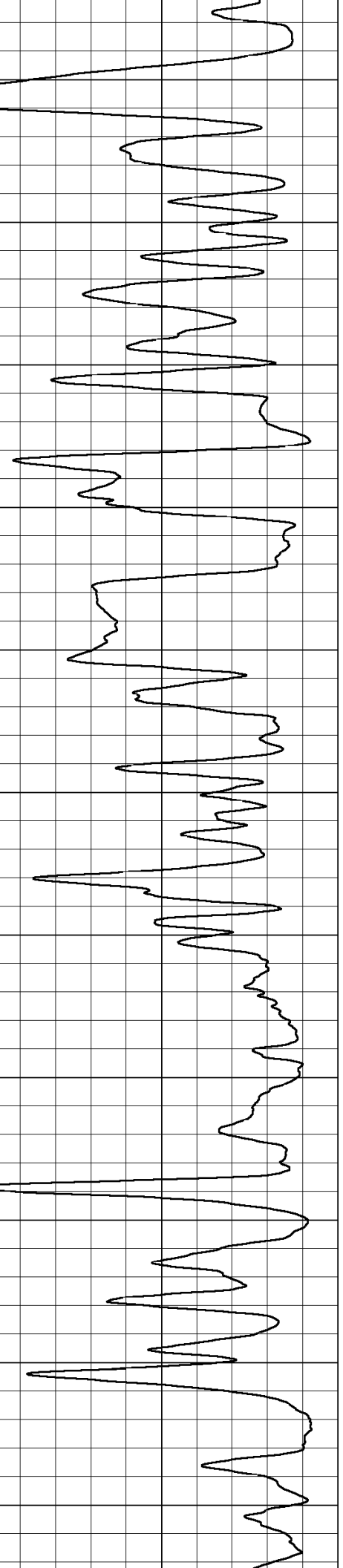
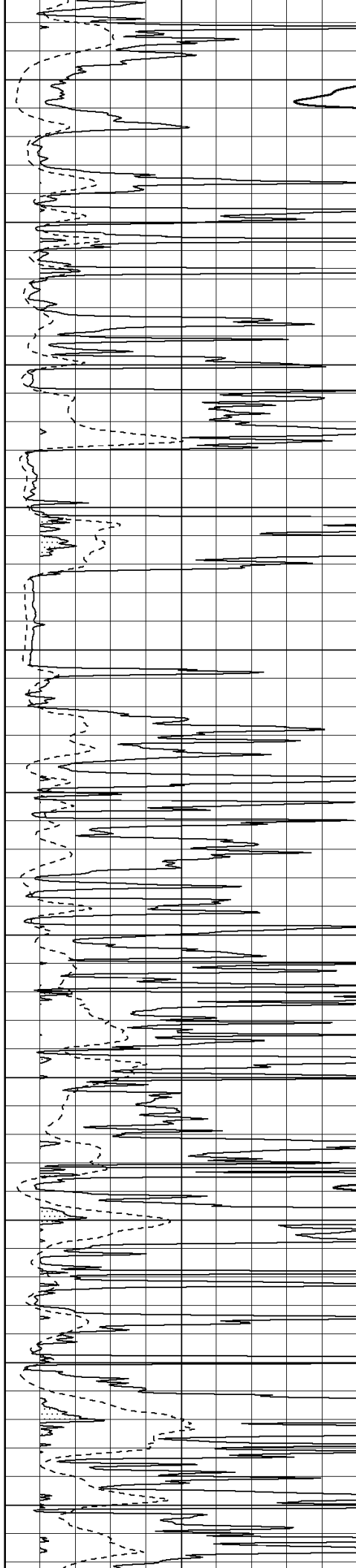
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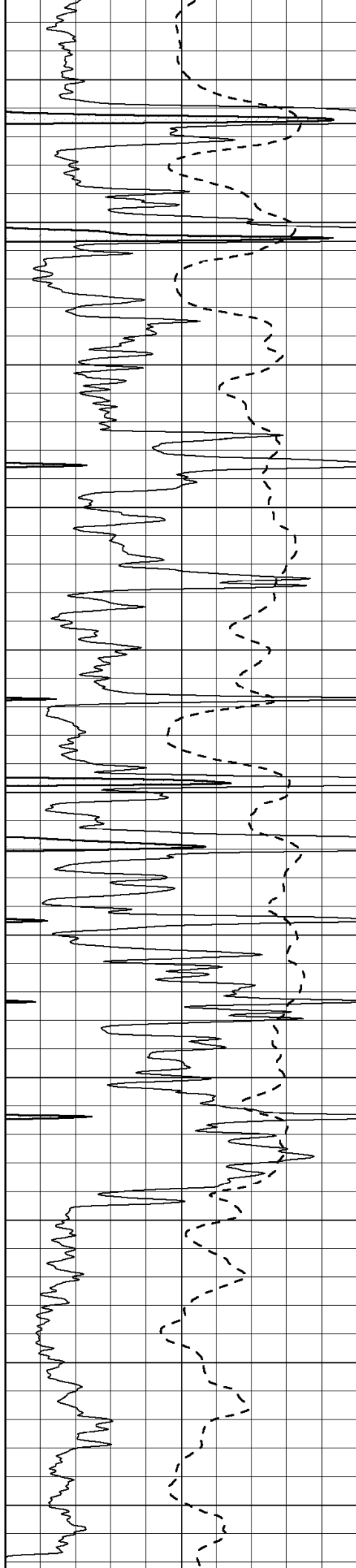
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4750

4800

4850





4900

4950

5000

5050

5100

5150

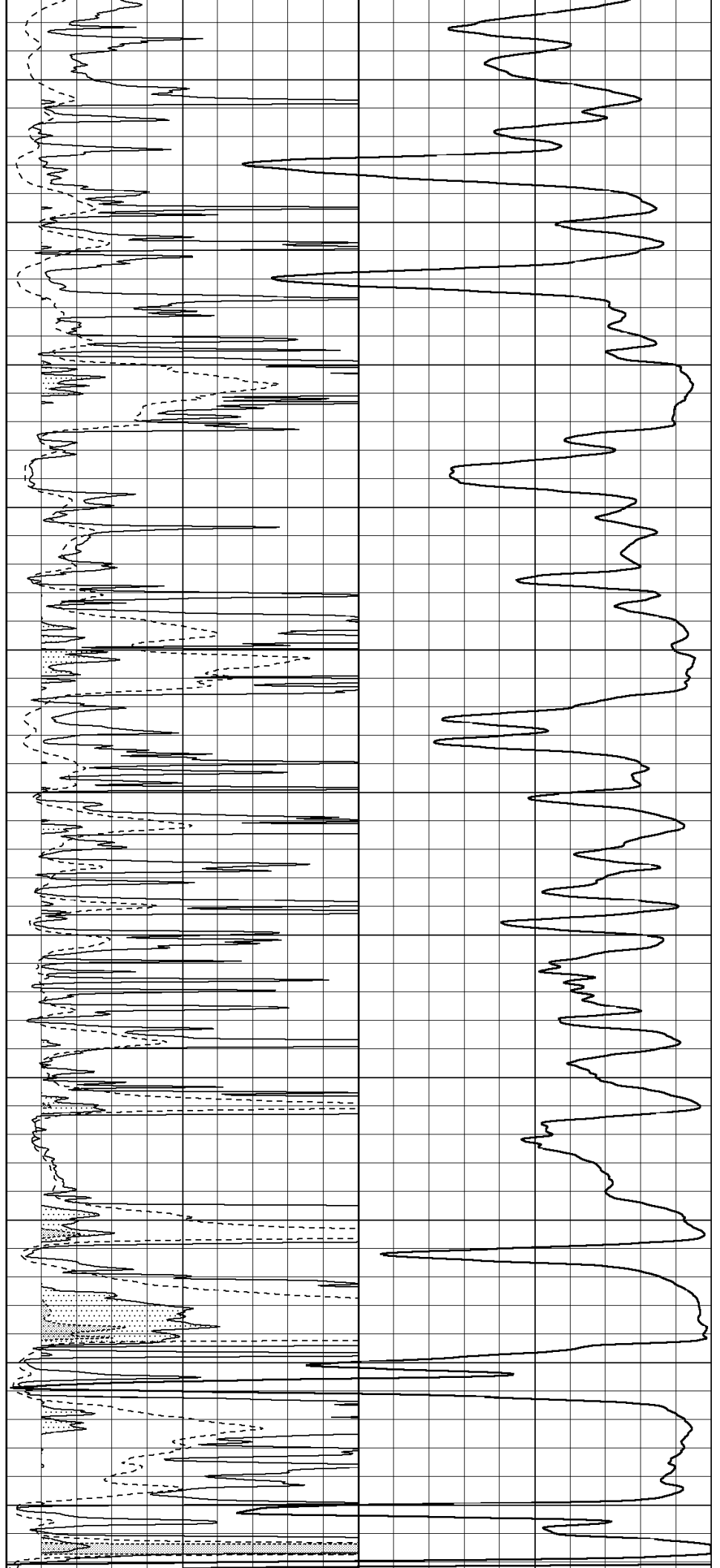
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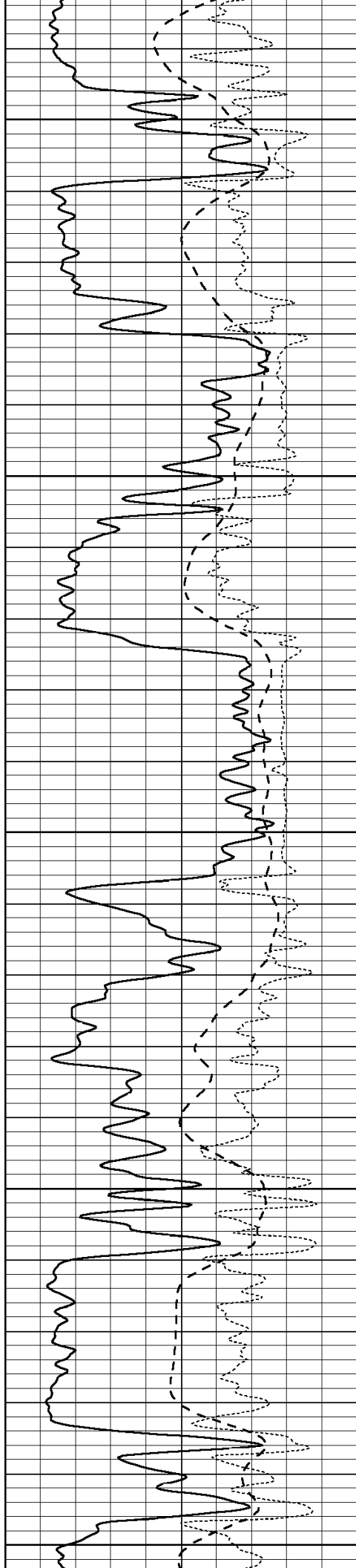
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5300

5350

5400





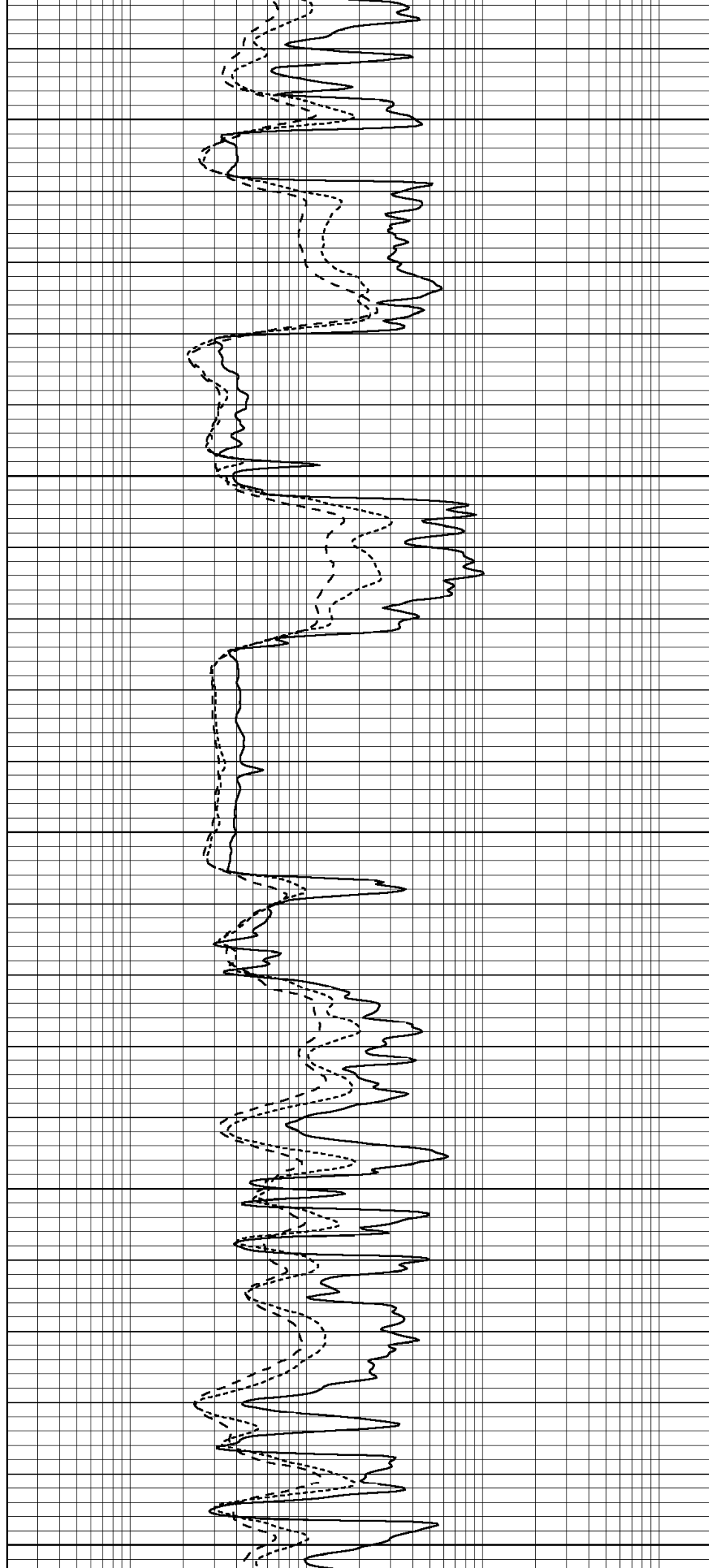
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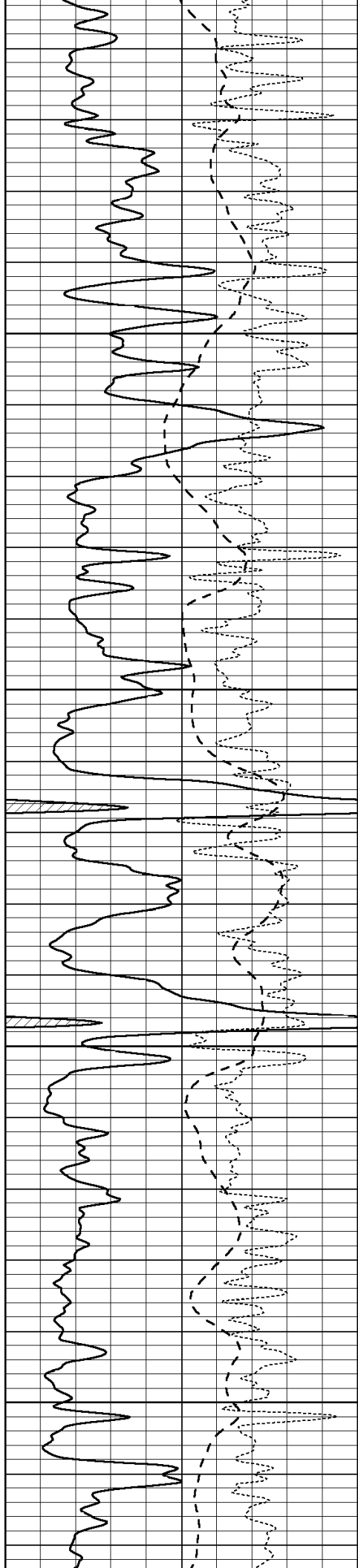
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4550

4600

4650



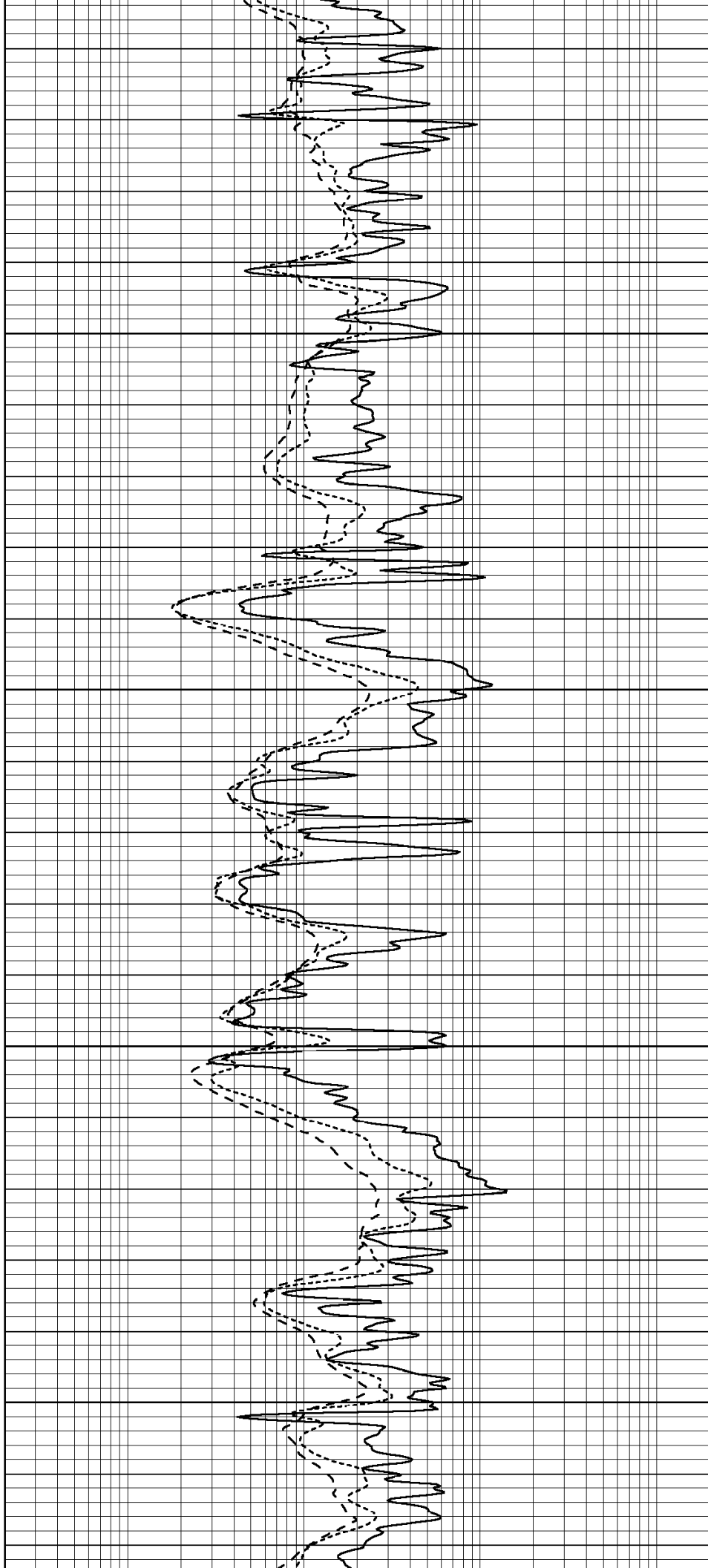


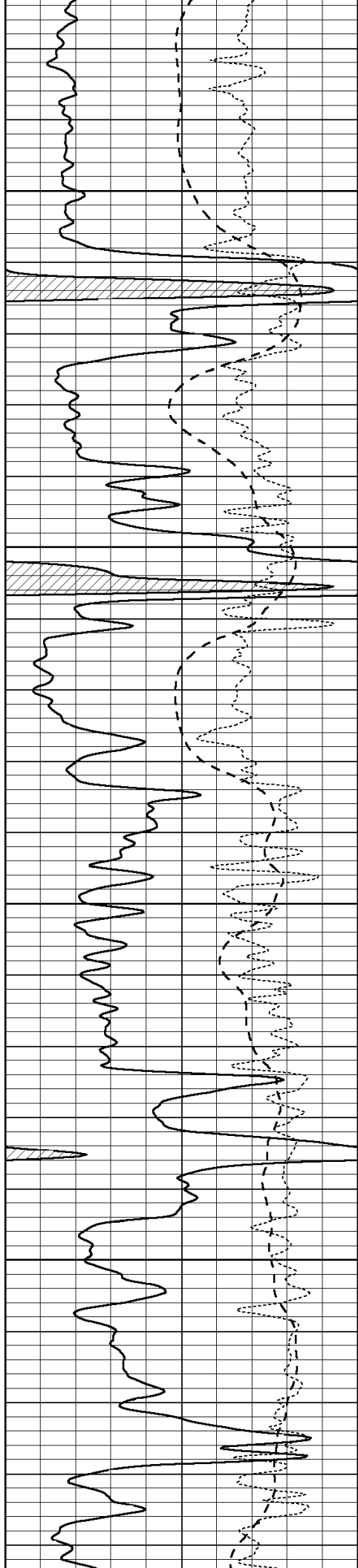
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4750

4800

4850



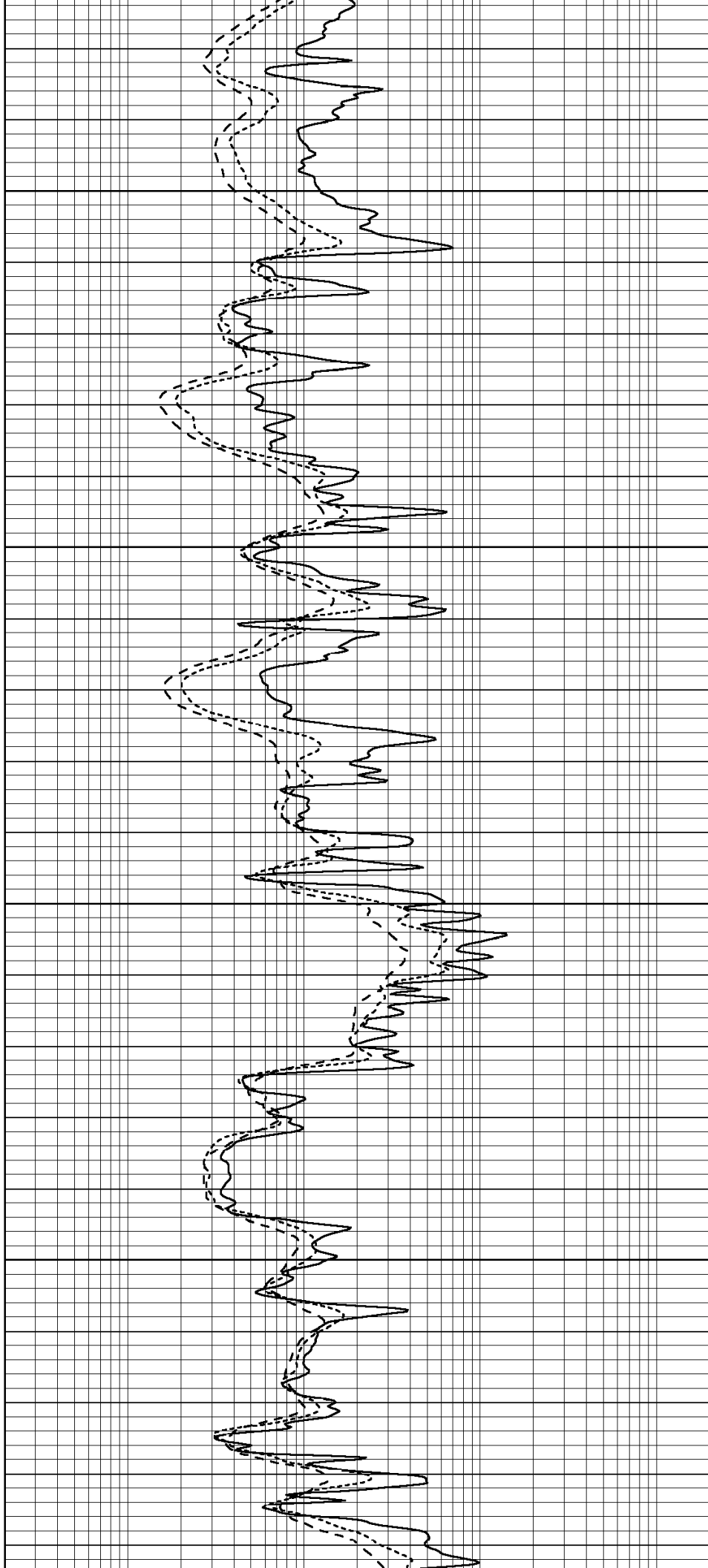


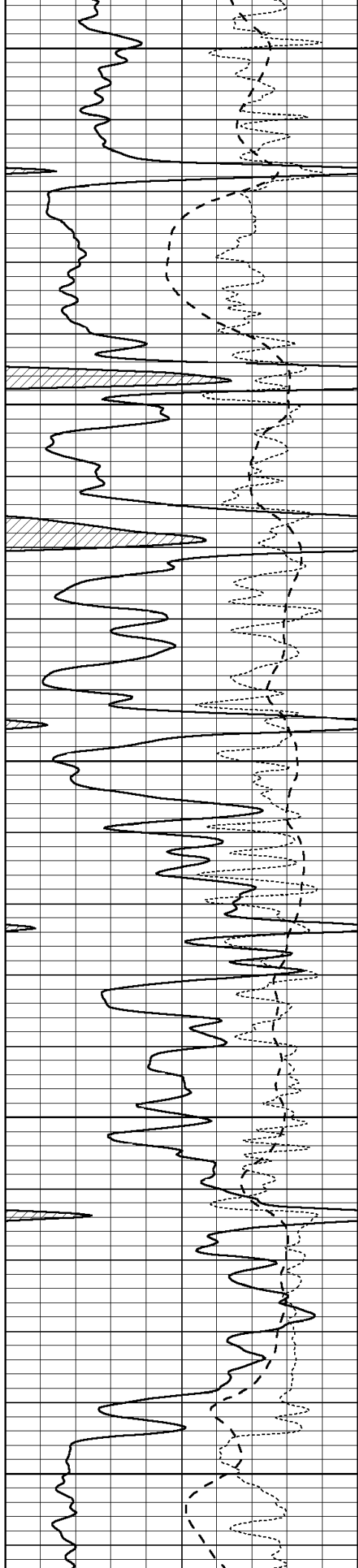
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4950

5000

5050





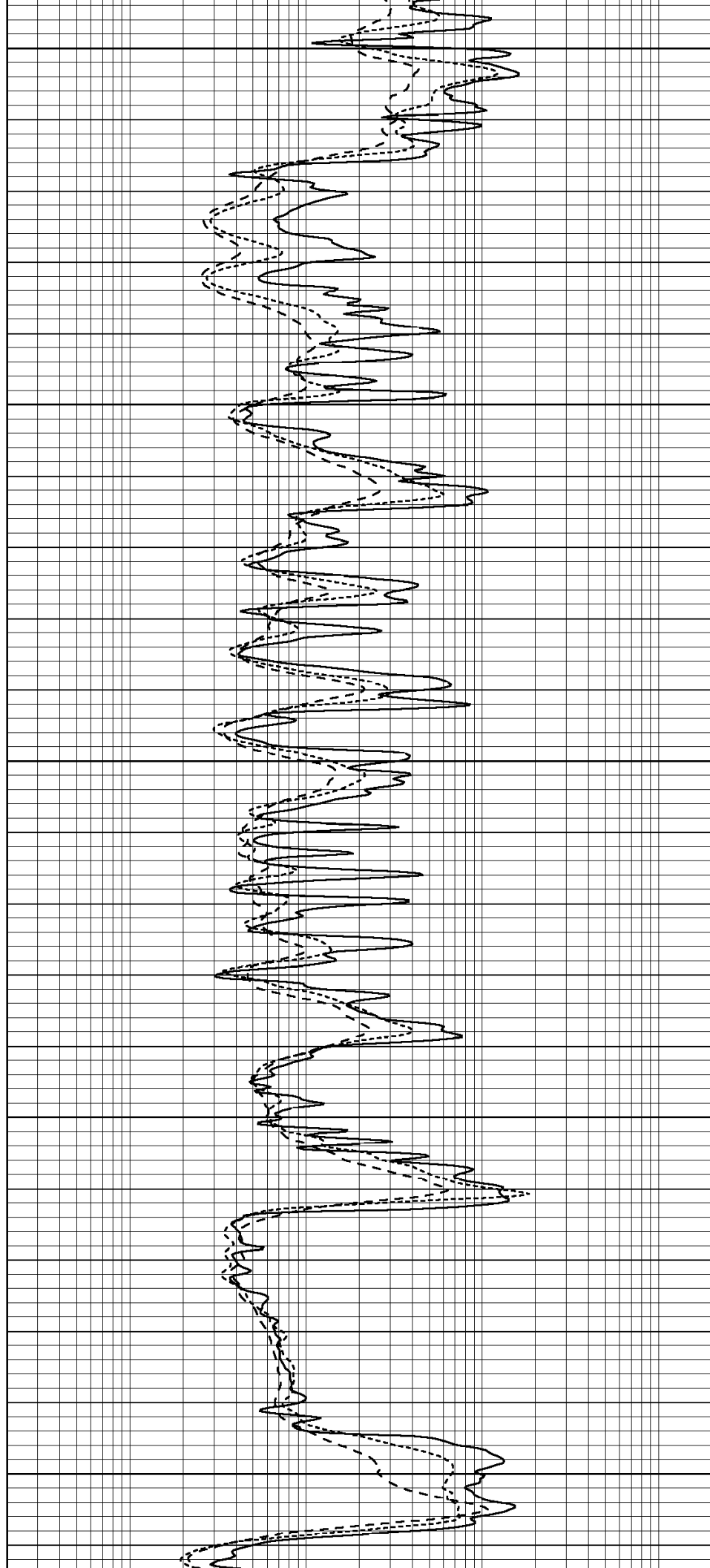
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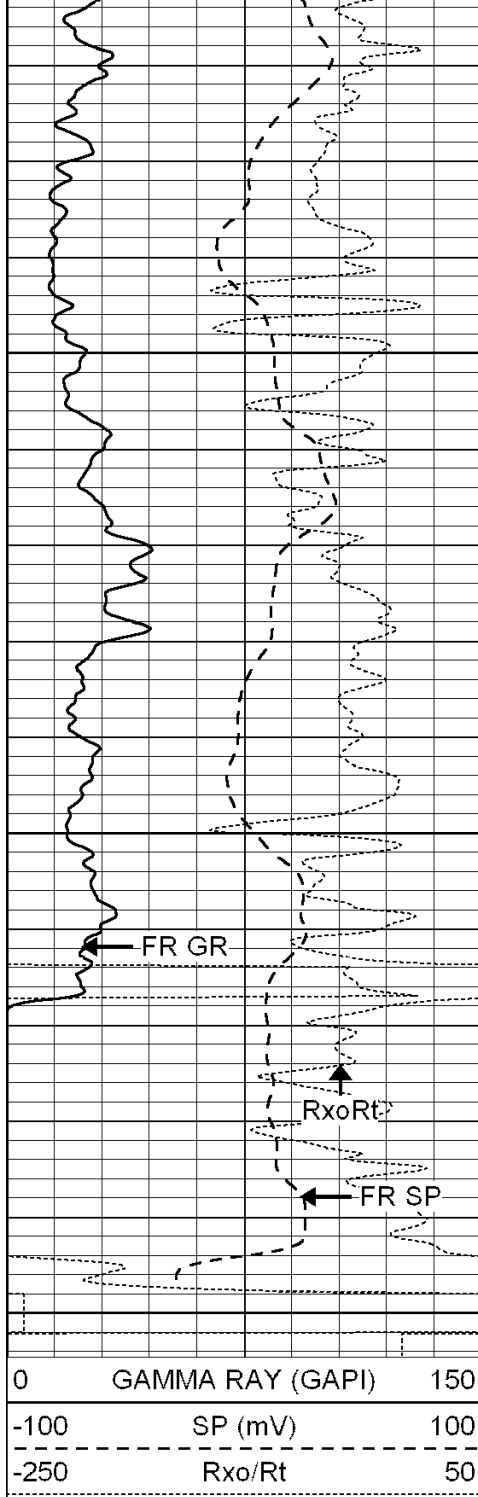
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5200

5250

5300

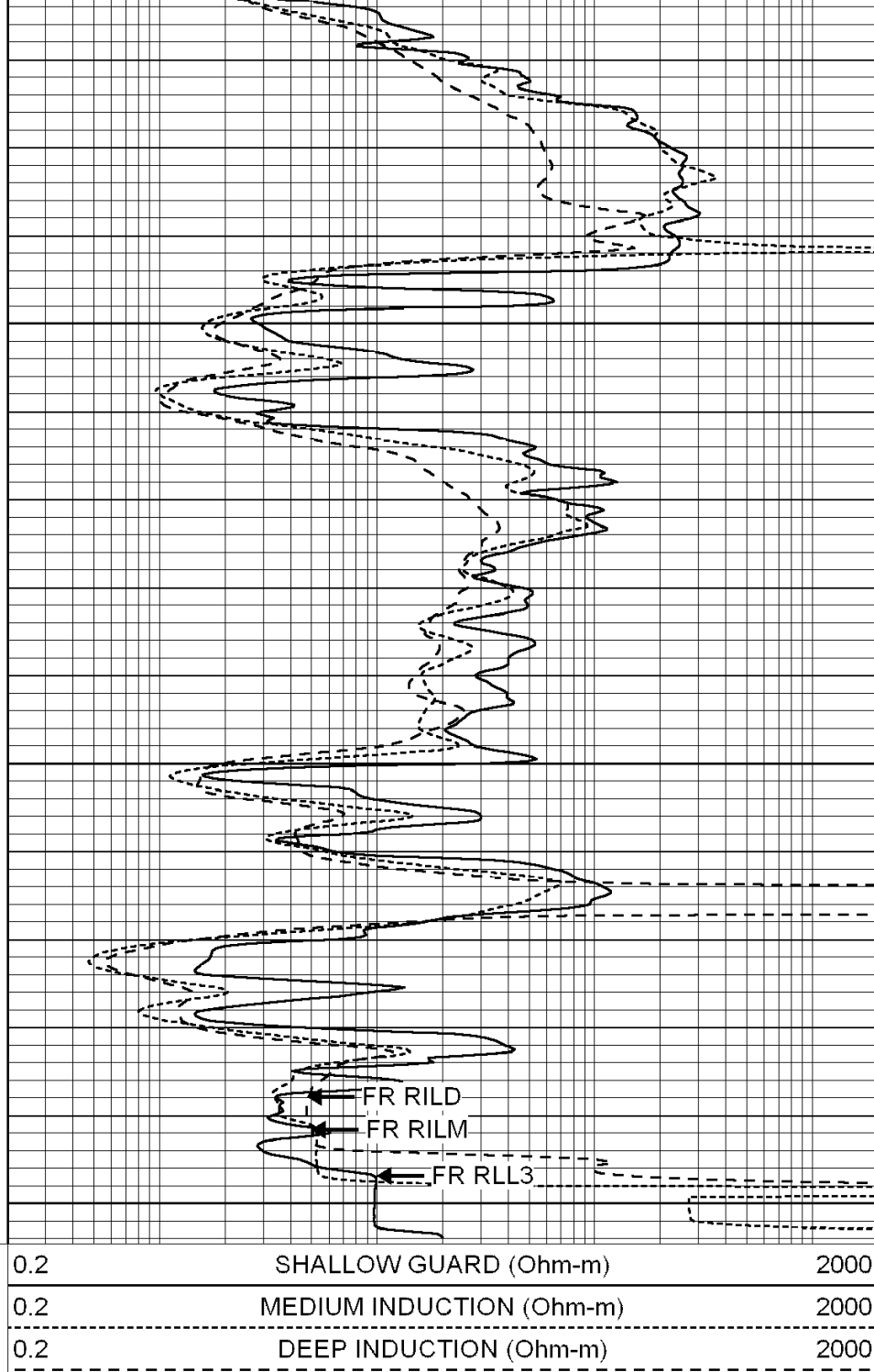




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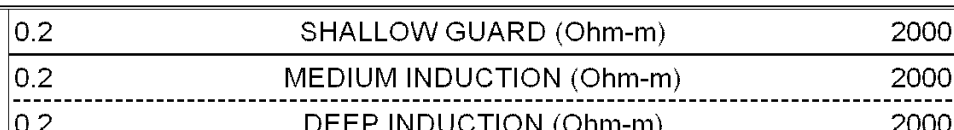
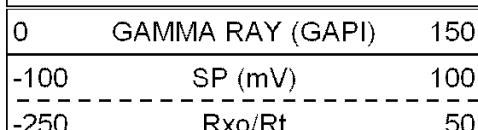
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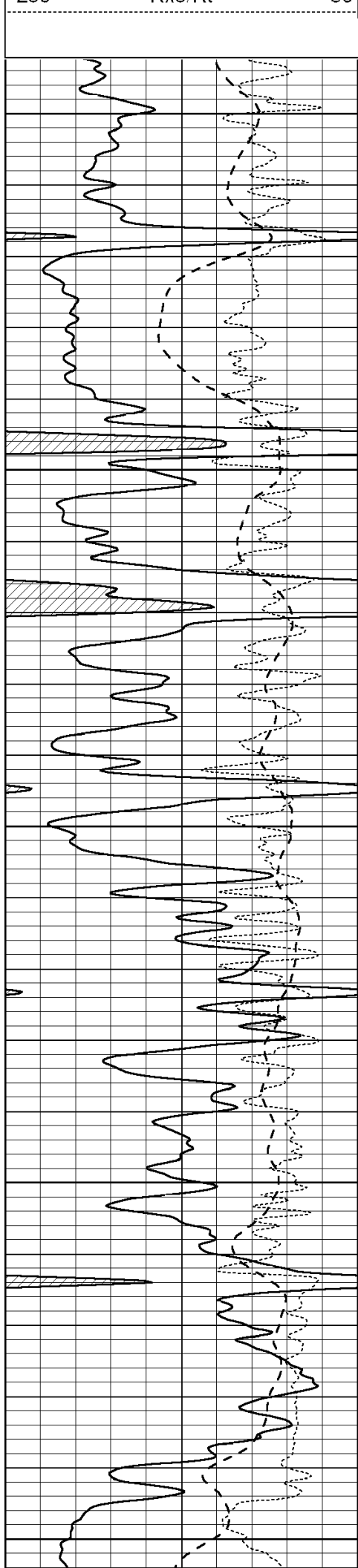


SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 003701pe.db
 Dataset Pathname: pass2.91
 Presentation Format: _dil
 Dataset Creation: Tue Mar 17 16:24:08 2009 by Calc Open-Cased 070814
 Charted by: Depth in Feet scaled 1:240





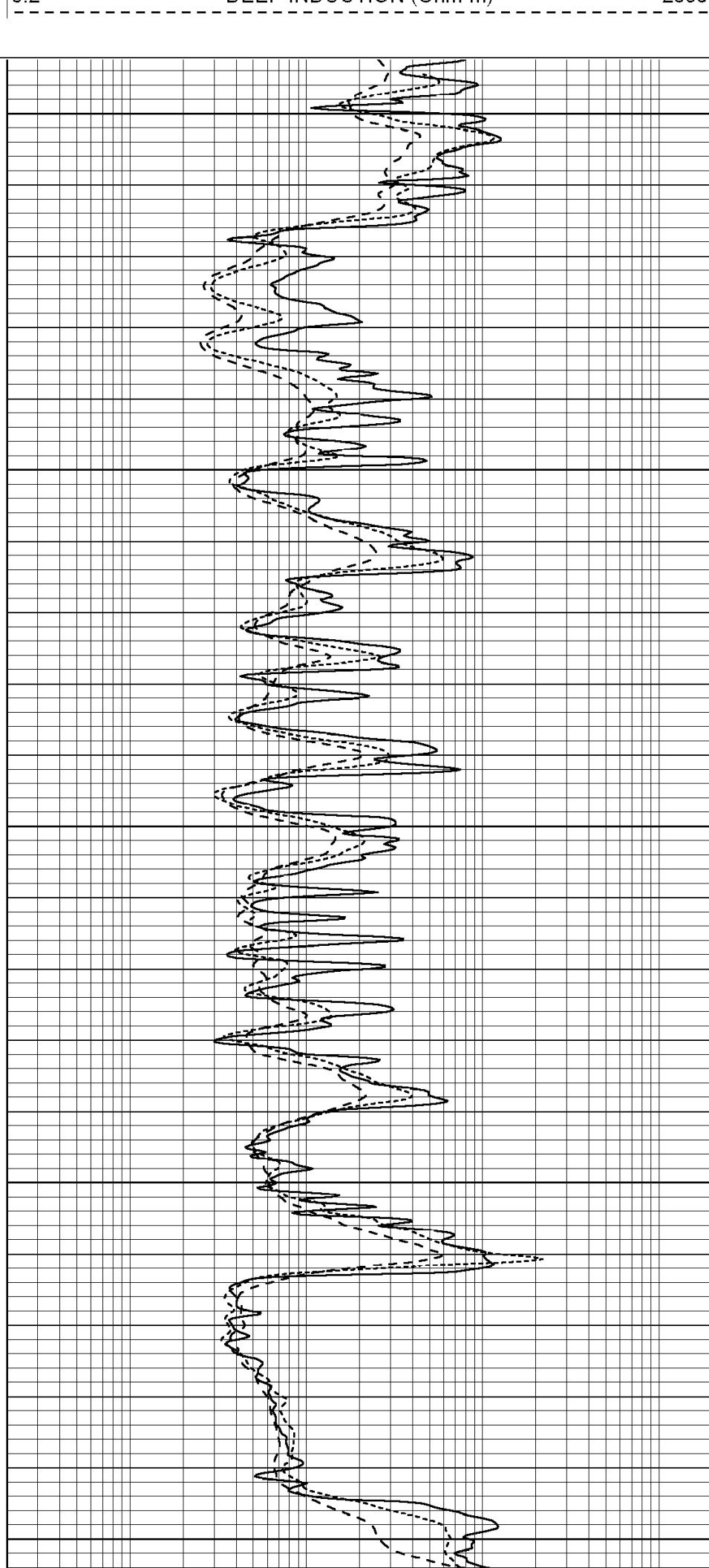
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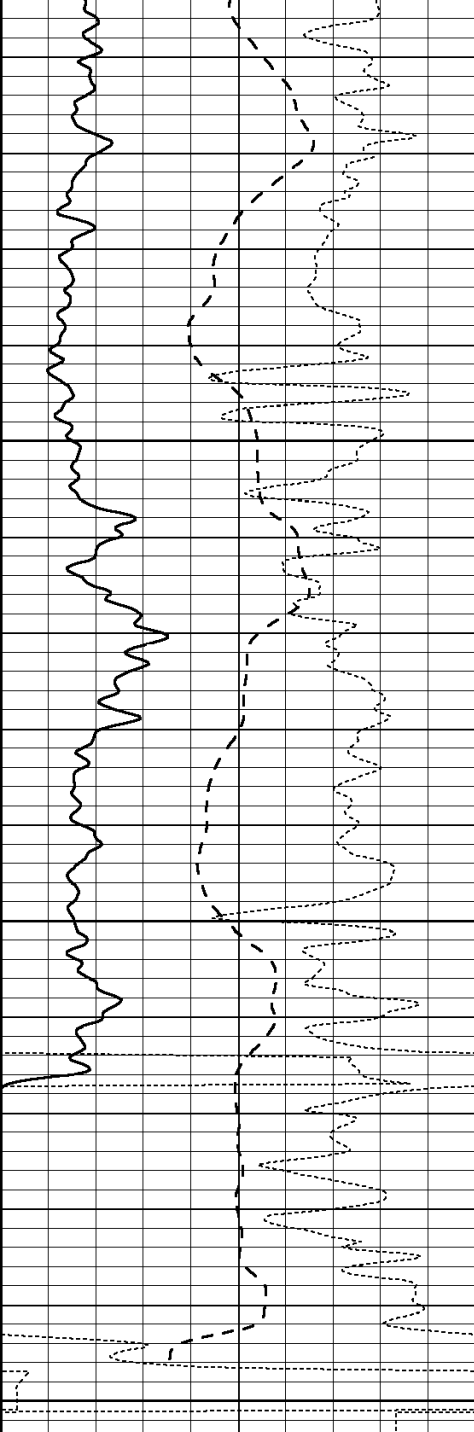
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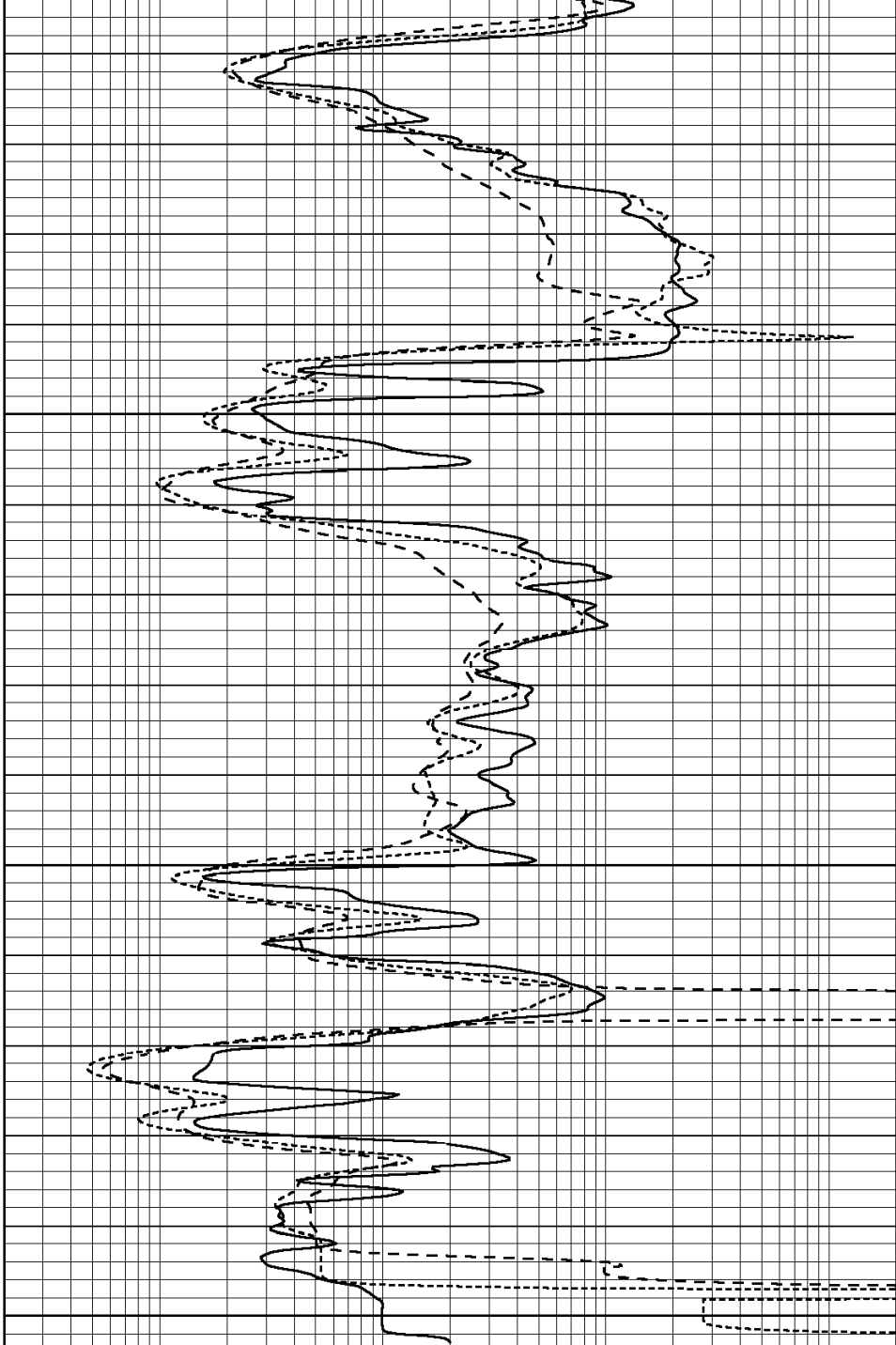
5250

5300





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: 003701pe.db
Dataset Pathname: pass3.5
Dataset Creation: Tue Mar 17 16:44:59 2009 by Calc Open-Cased 070814

Dual Induction Calibration Report

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		2000.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-6.500	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: 002 Model: PRB Performed Mon Oct 29 15:40:49 2007								
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Litho Density Calibration								
	Background		Magnesium		Aluminum		Sandstone	
Window 1	1056.3		9118.0		2809.7		10378.4	
Window 2	969.9		7671.9		2431.6		8565.8	
Window 3	683.8		2939.8		1161.0		3161.8	
Window 4	231.4		231.6		226.7		230.8	
Long Space	0.0		6702.0		1461.7		7595.9	
Short Space	1.2		1433.6		959.4		1568.6	
Rho			1.7100		2.5900		1.3800	
Pe					2.5700		1.5500	
Rib Angle	: 45.2		Rib Slope	: 1.008		Density/Spine Ratio	: 0.559	
Spine Angle	: 75.2		Spine Slope	: 3.791		Spine Intercept	: -18.7	

Caliper			
Low Ref	Readings	Reference	
High Ref	4.1	14.3	
	4.9	17.5	
	Gain: 4.1		Offset: -3.5

Compensated Neutron Calibration Report								
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Serial Number:				6I				
Tool Model:				G				

CALIBRATION								
Detector	Readings			Target	Normalization			

Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000
Gamma Ray Calibration Report					
Serial Number:	GR6				
Tool Model:	OPEN				
Performed:	Tue Mar 17 14:17:32 2009				
Calibrator Value:	150.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	276.0	cps			
Sensitivity:	0.5835	GAPI/cps			