



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

DUAL INDUCTION LOG

Company		VINCENT OIL CORPORATION	
Well		BORDEN TRUST #1-33	
Field		WILDCAT	
County		FORD	
State		KANSAS	
Location:		APL # : 15-057-20900-0000 1035' FNL & 2083' FEL	
Permanent Datum		GROUND LEVEL Elevation 2584	
Log Measured From		KELLY BUSHING 10' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 33 TWP 29S RGE 24W		Other Services CDL/CNL/PE MEL/SON	
Elevation		K.B. 2594 D.F. 2592 G.L. 2584	
Date	7/2/13		
Run Number	ONE		
Depth Driller	5490		
Depth Logger	5492		
Bottom Logged Interval	5490		
Top Log Interval	00		
Casing Driller	8 5/8" @ 650'		
Casing Logger	648		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	8.9/65	CHLORIDES 12000 PPM	
pH / Fluid Loss	10.0/10.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.45 @ 89F		
Rmf @ Meas. Temp	.33 @ 89F		
Rmc @ Meas. Temp	.54 @ 89F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.31 @ 129F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	129F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	JIM HALL		

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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 COMPLETION & PRODUCTION SVCS. (785) 628-6395

DIRECTIONS:
BLOOM, KS. - 2 1/2 W. ON YUCCA RD. - S. INTO

Database File: 011266pe.db
 Dataset Pathname: pass5.2
 Presentation Format: _dil2
 Dataset Creation: Tue Jul 02 02:18:21 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:600

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

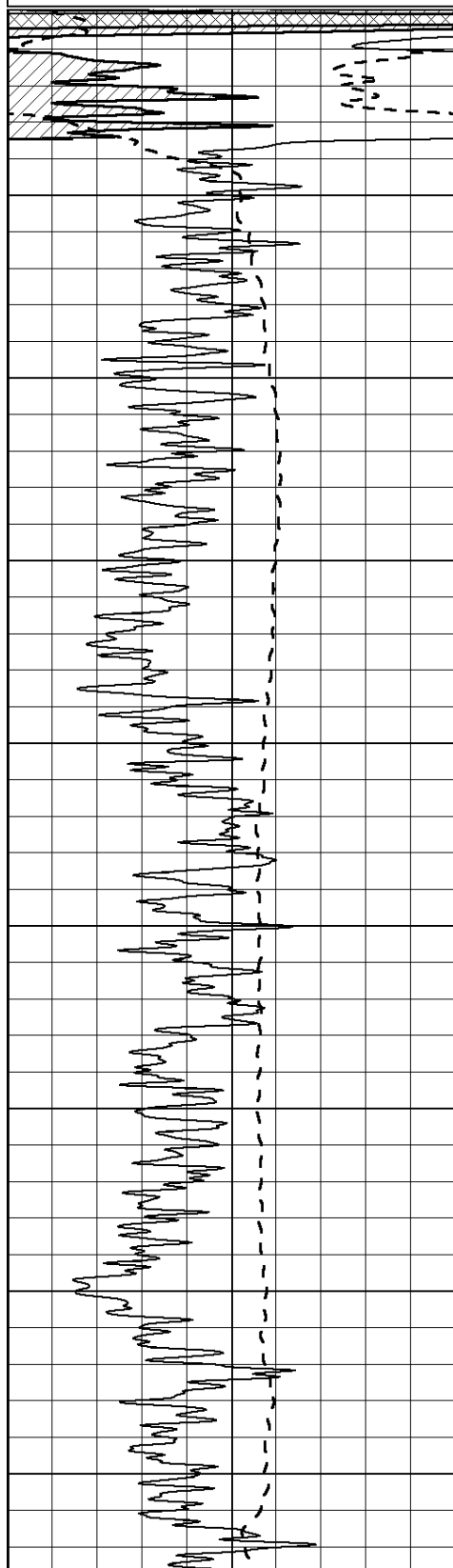
0 RLL3 (Ohm-m) 50

0 Deep Induction (Ohm-m) 50

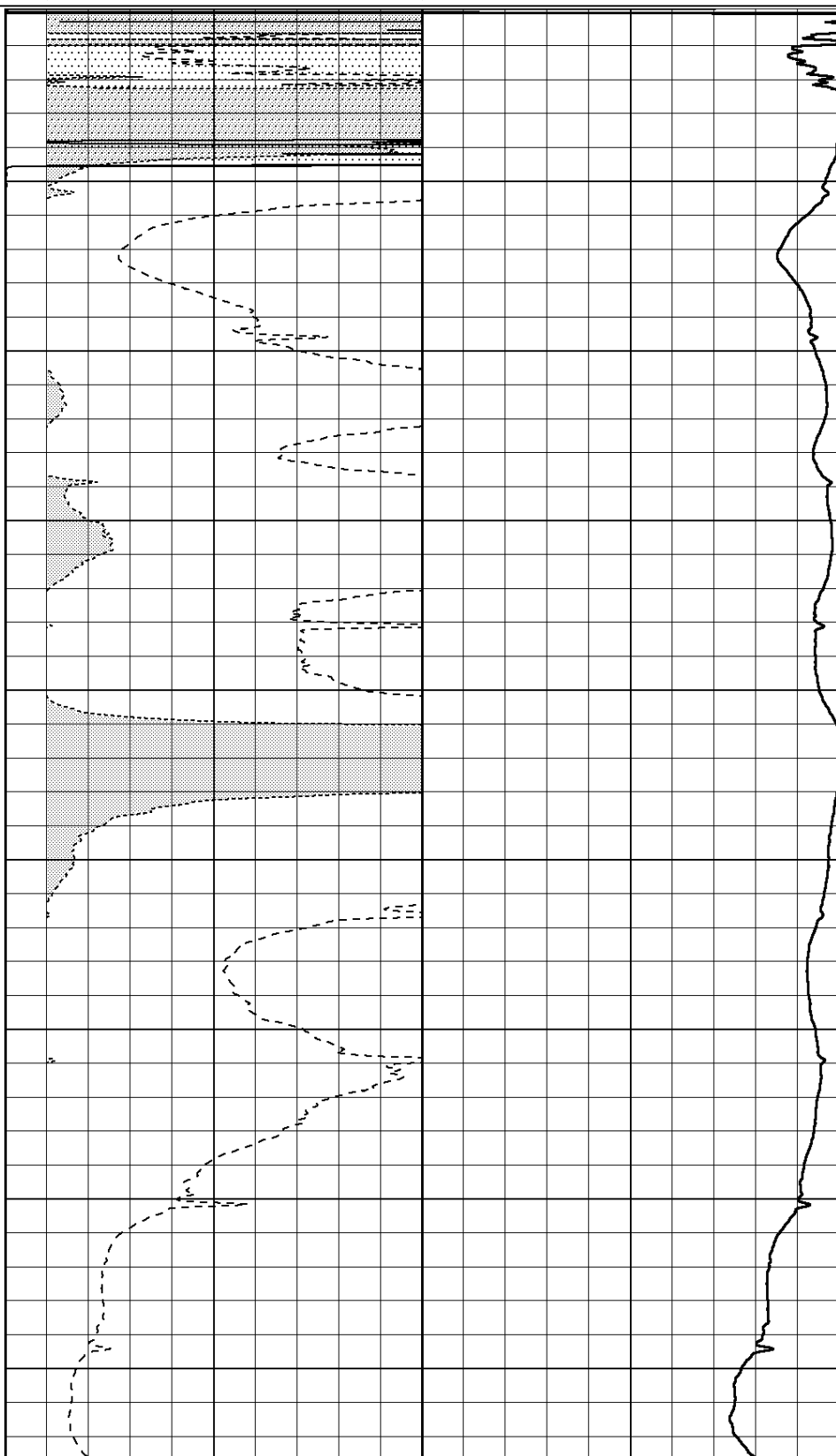
1000 CILD (mmho/m) 0

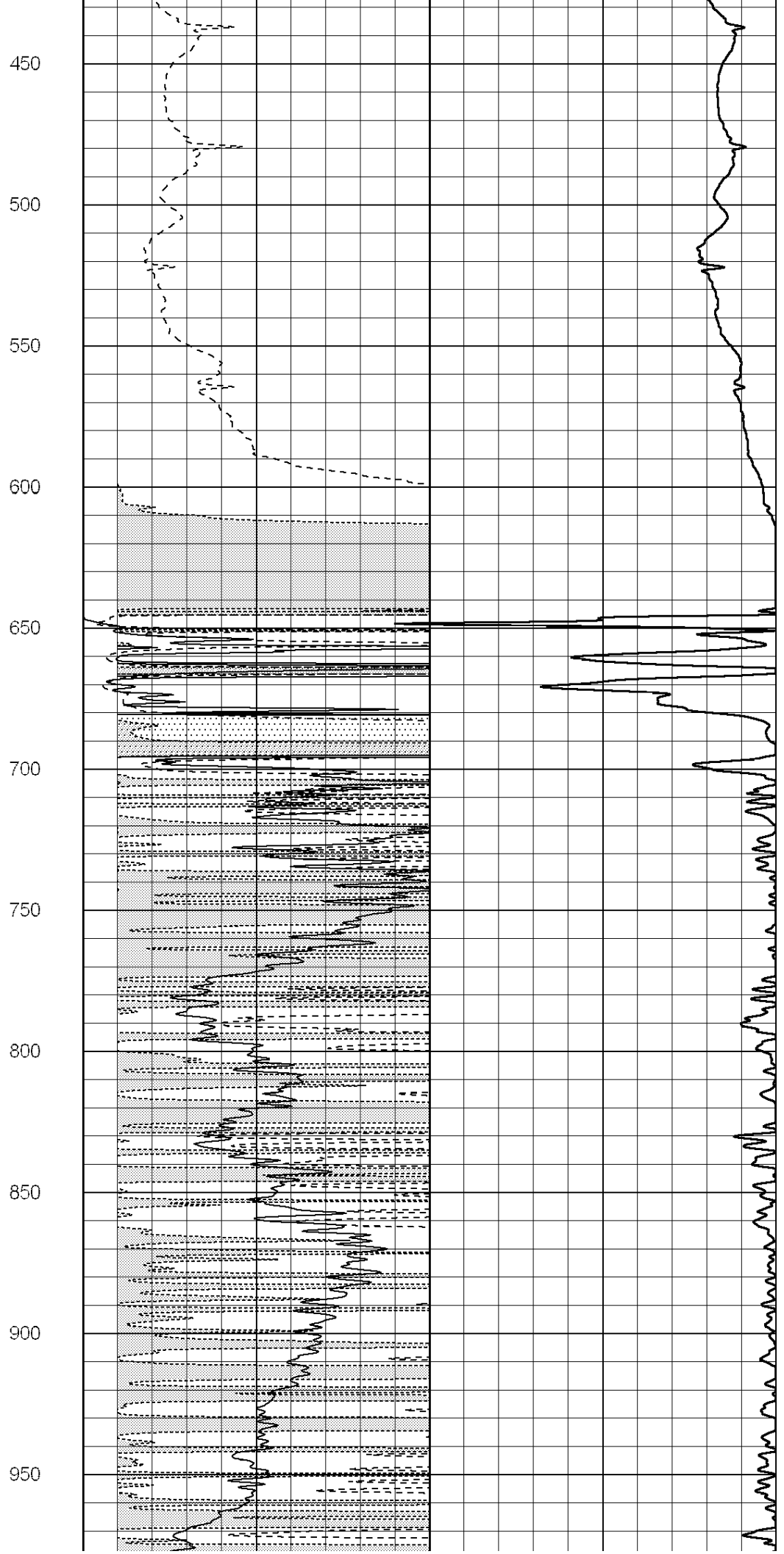
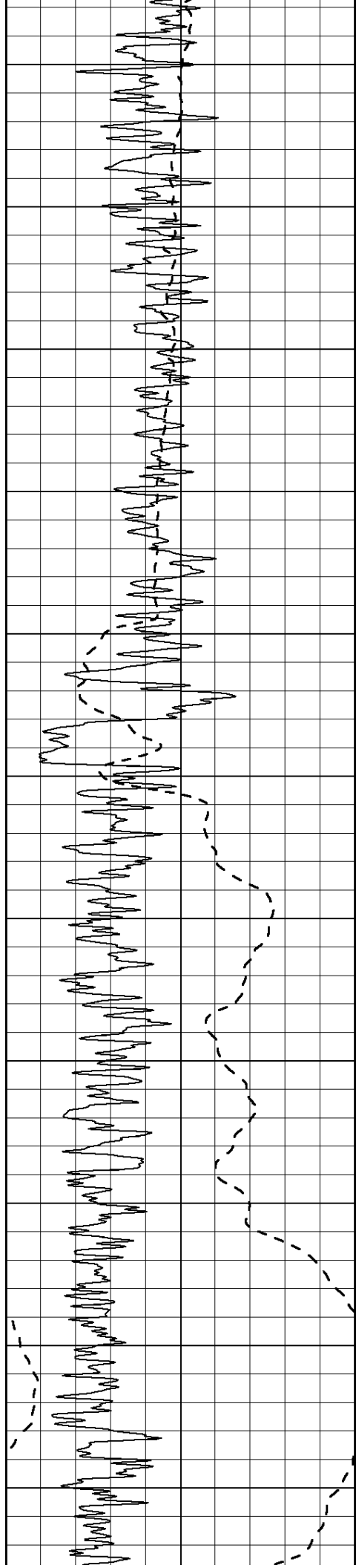
50 RILD X10 (Ohm-m) 500

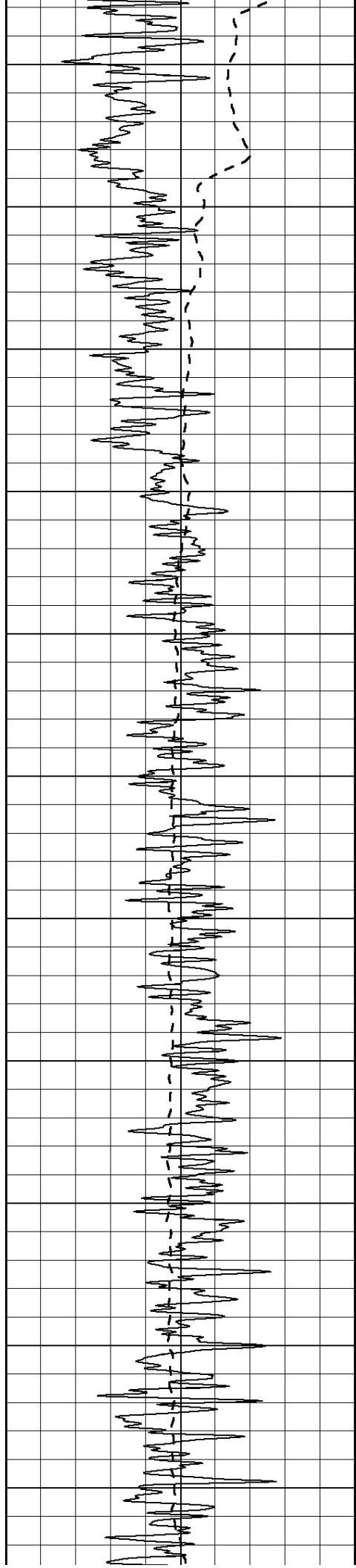
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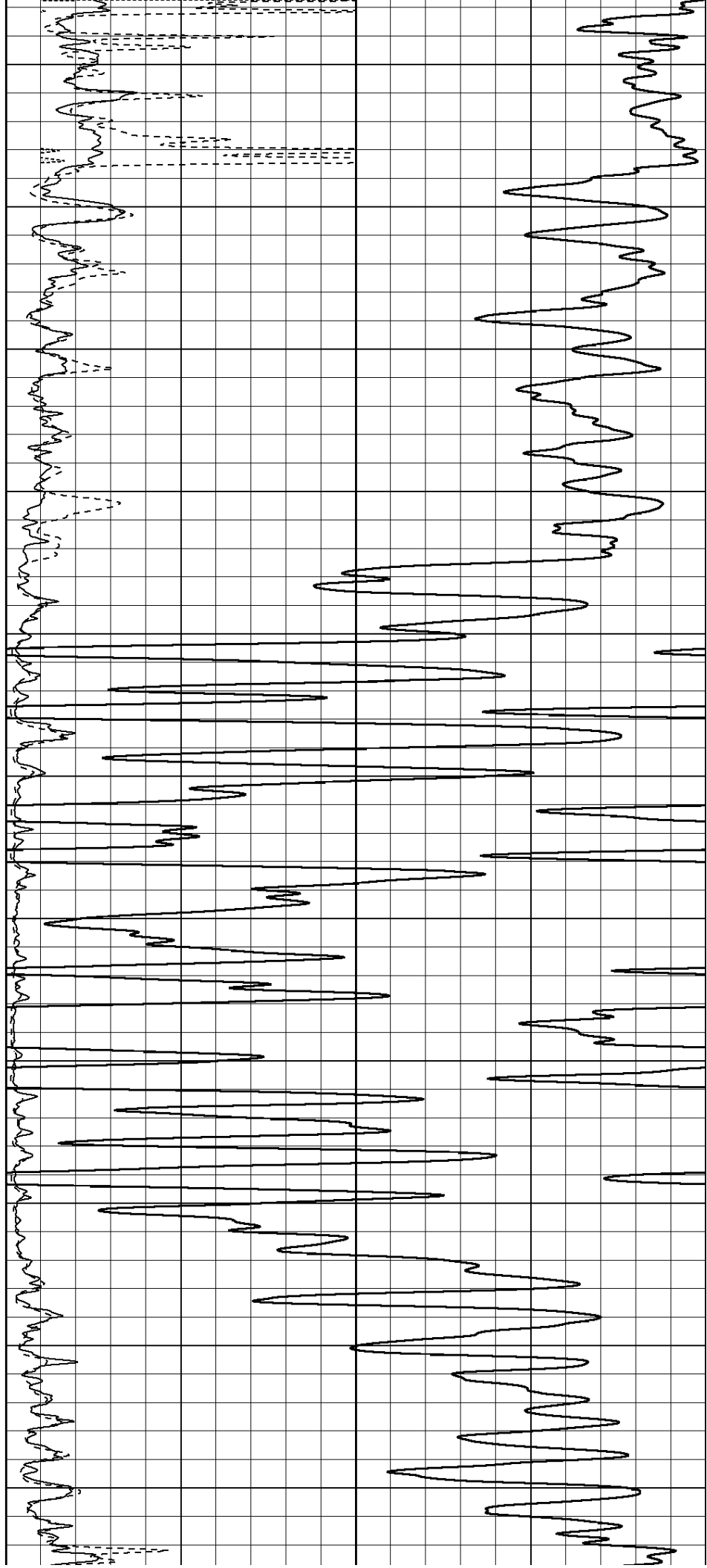
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50
100
150
200
250
300
350
400

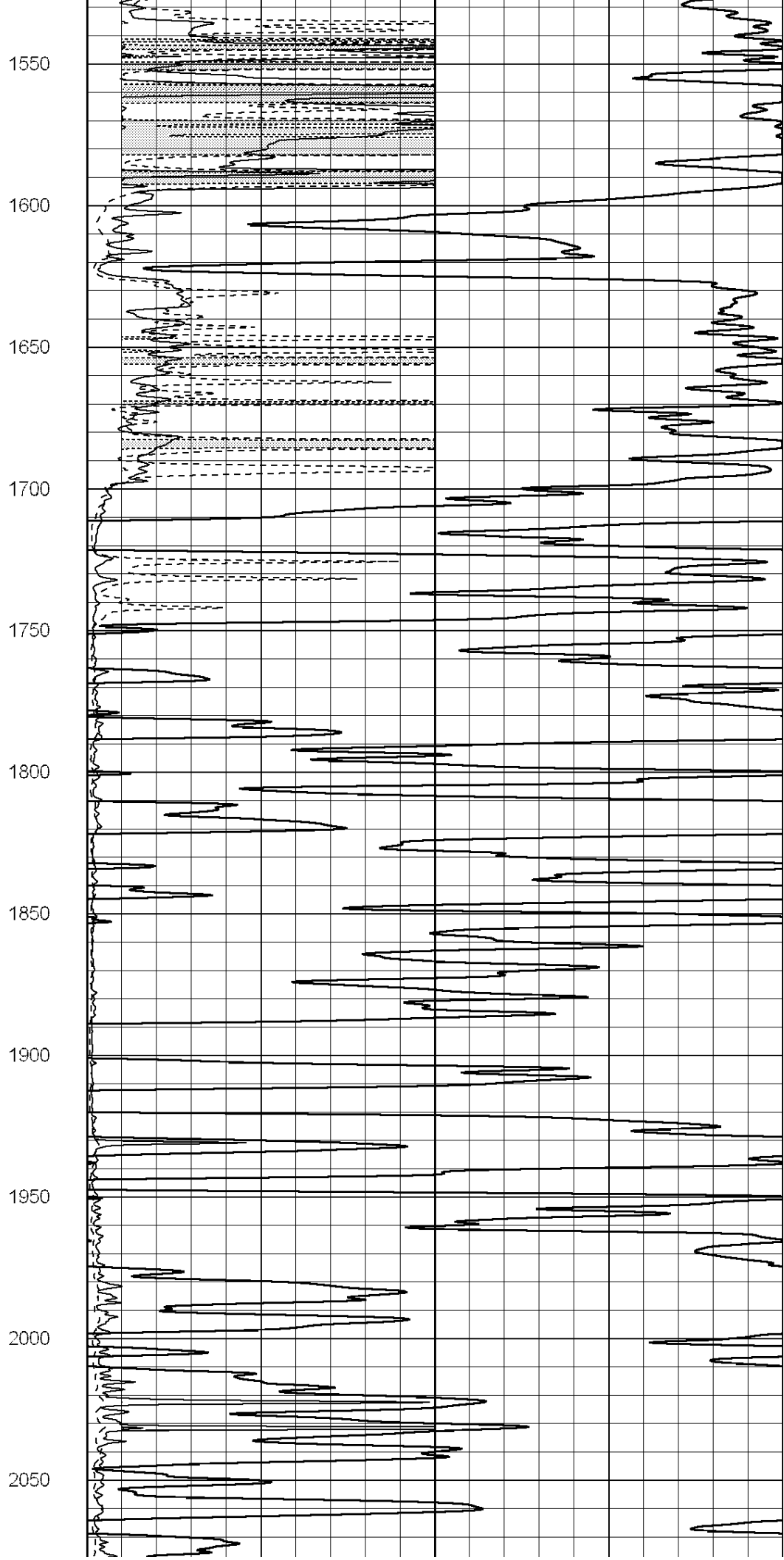
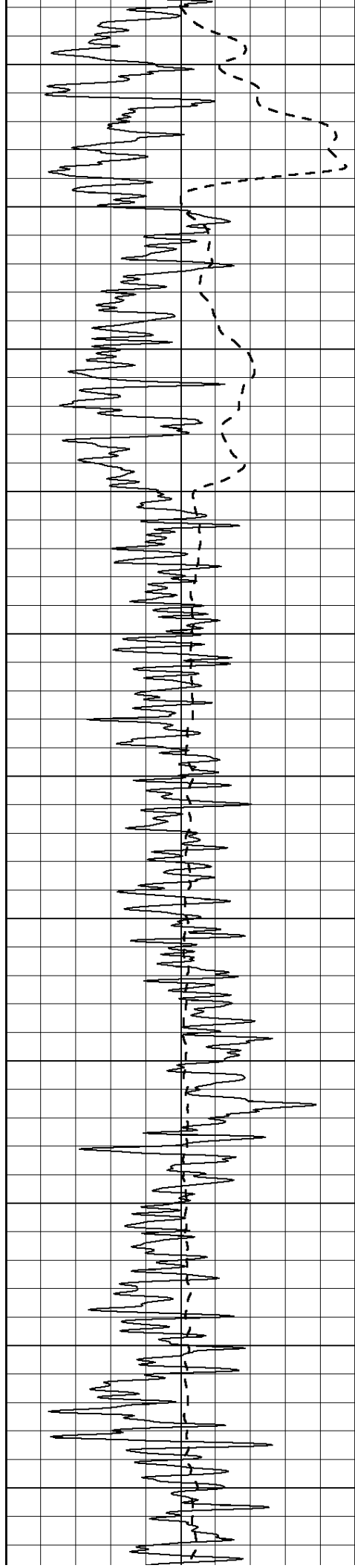


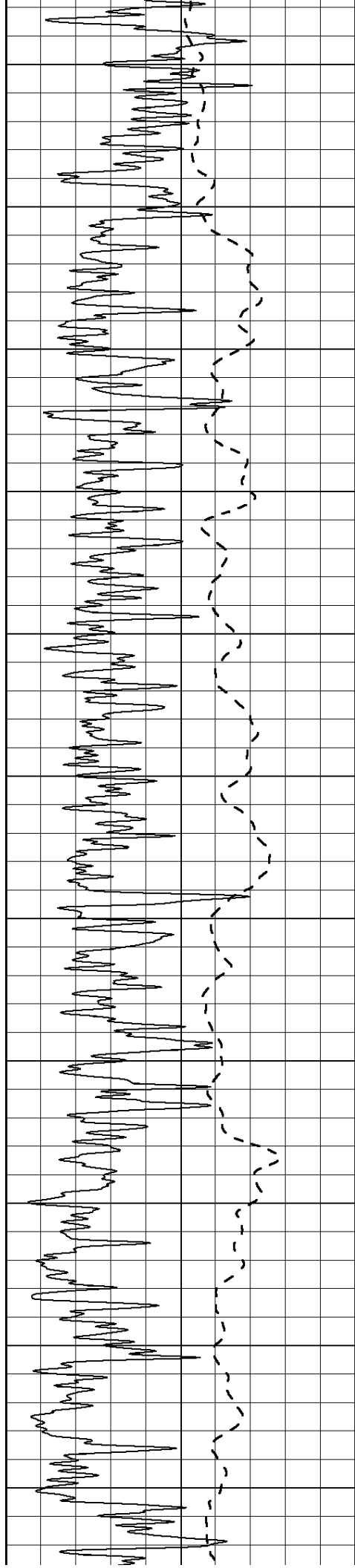




1000
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1100
1150
1200
1250
1300
1350
1400
1450
1500







2100

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2200

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2300

2350

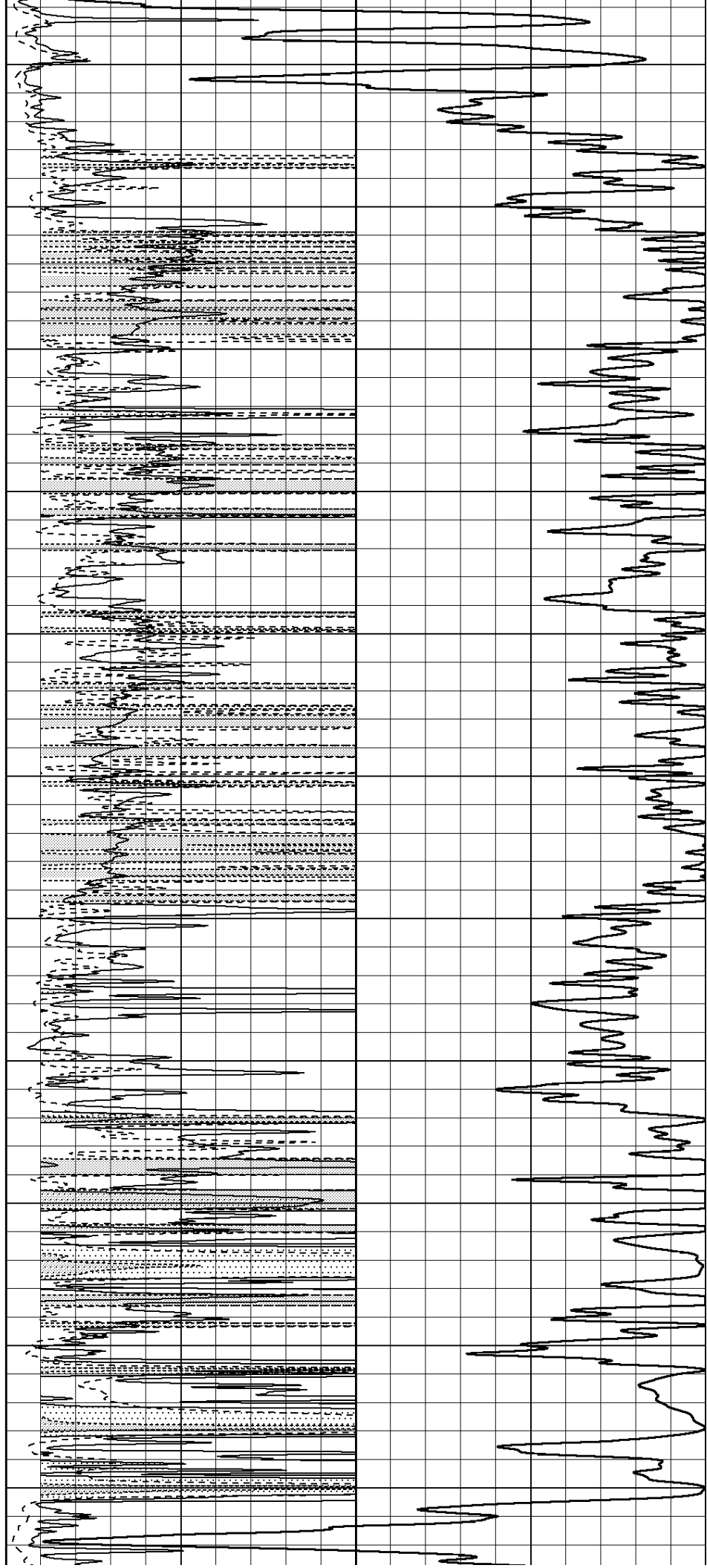
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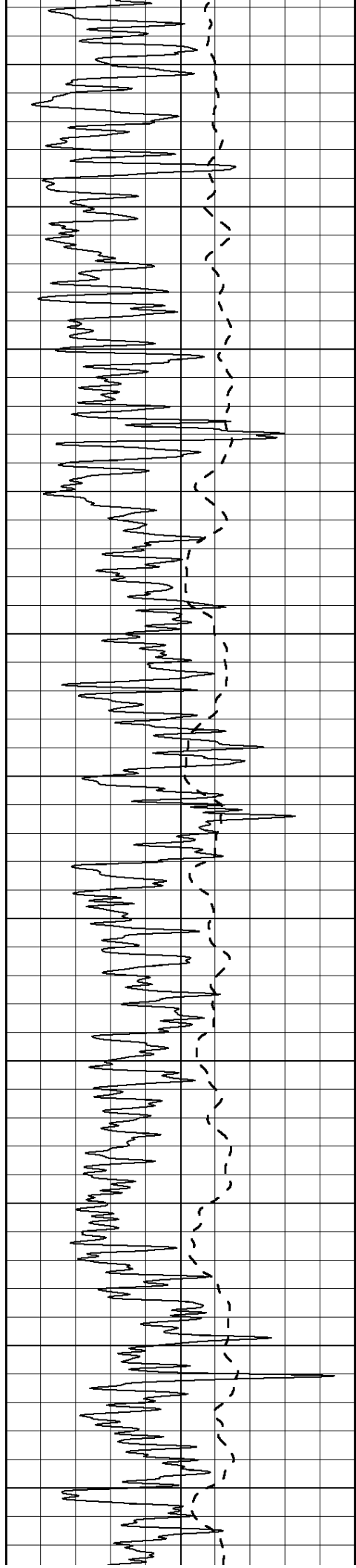
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2500

2550

2600





2650

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2800

2850

2900

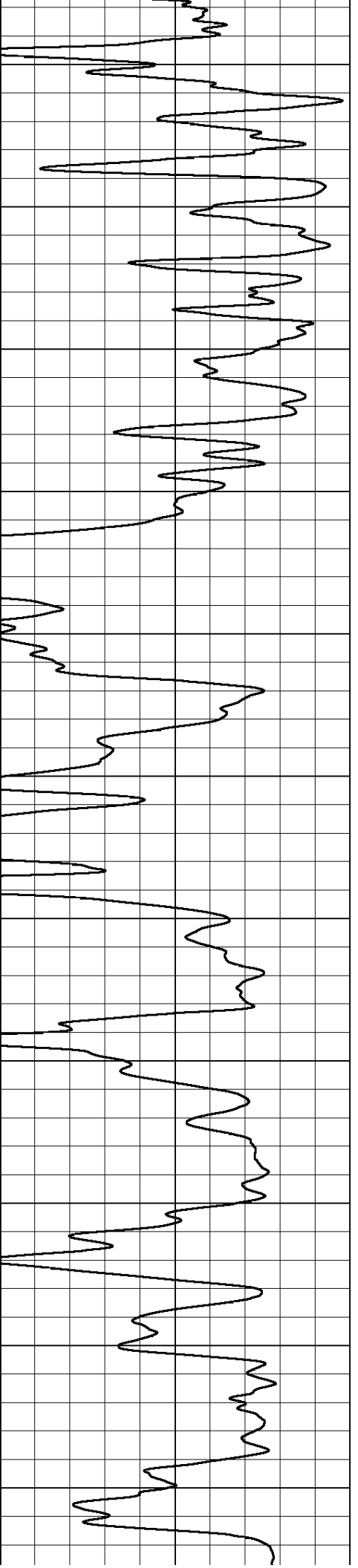
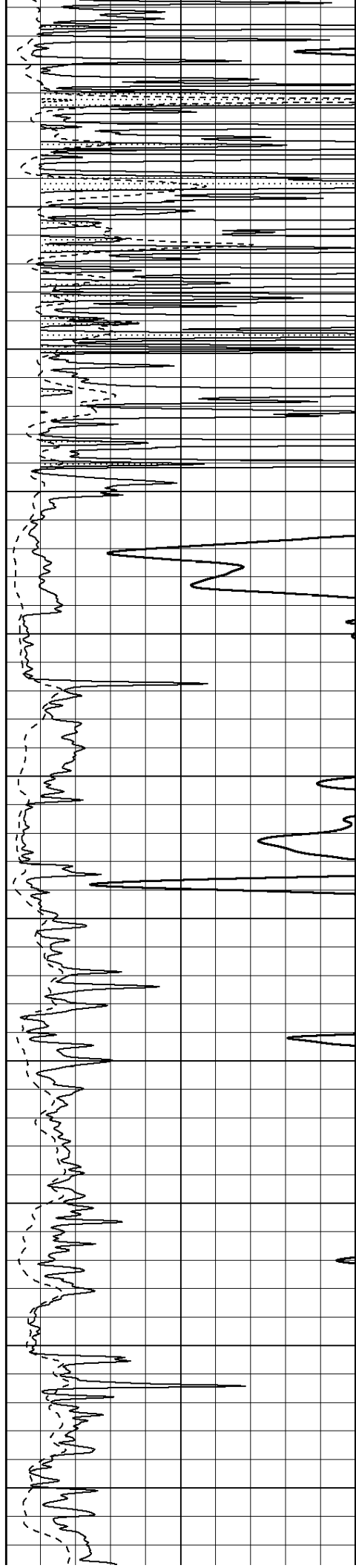
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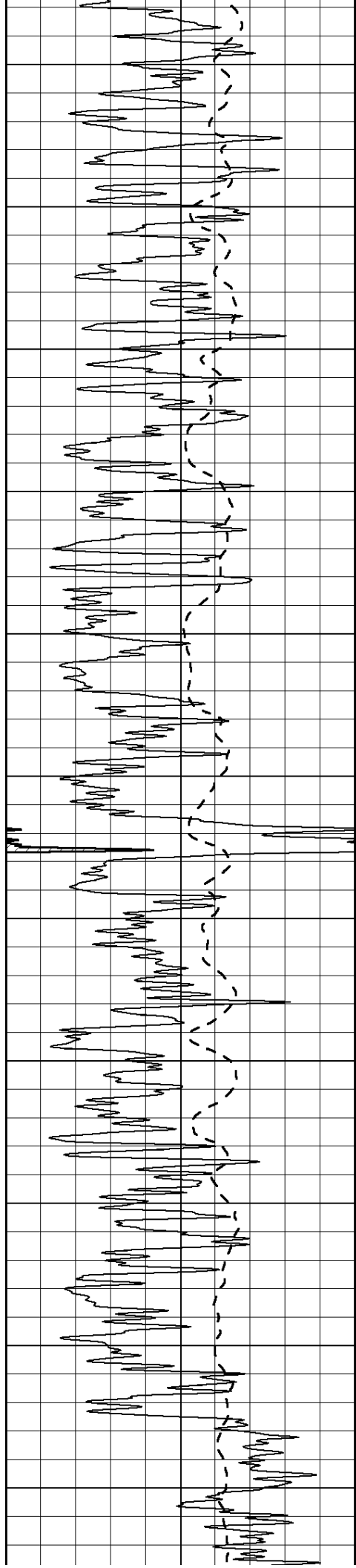
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3050

3100

3150





3200

3250

3300

3350

3400

3450

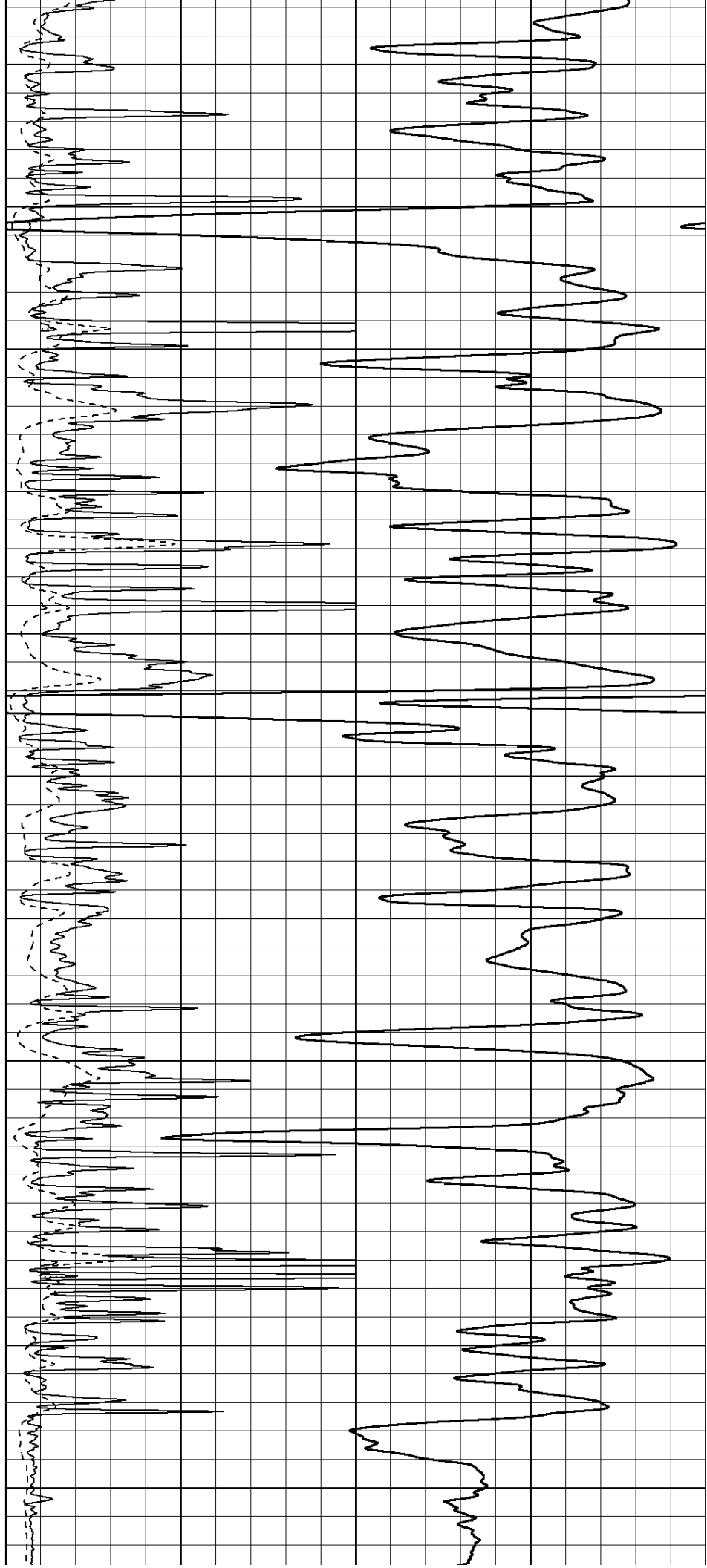
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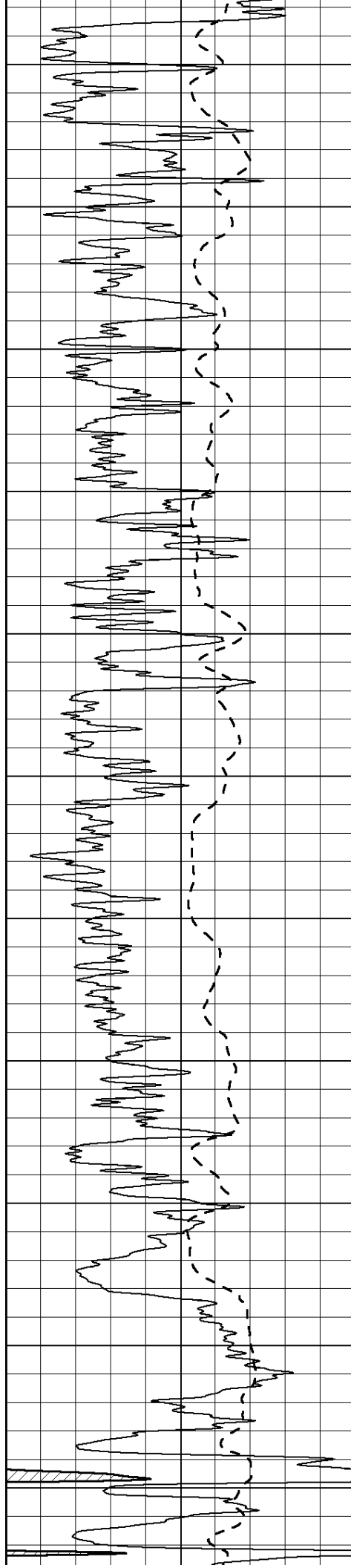
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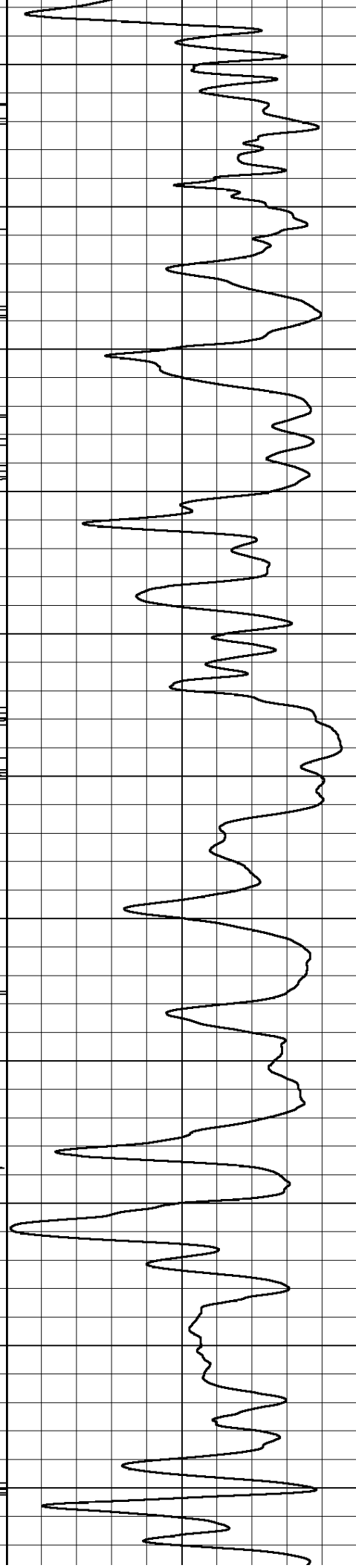
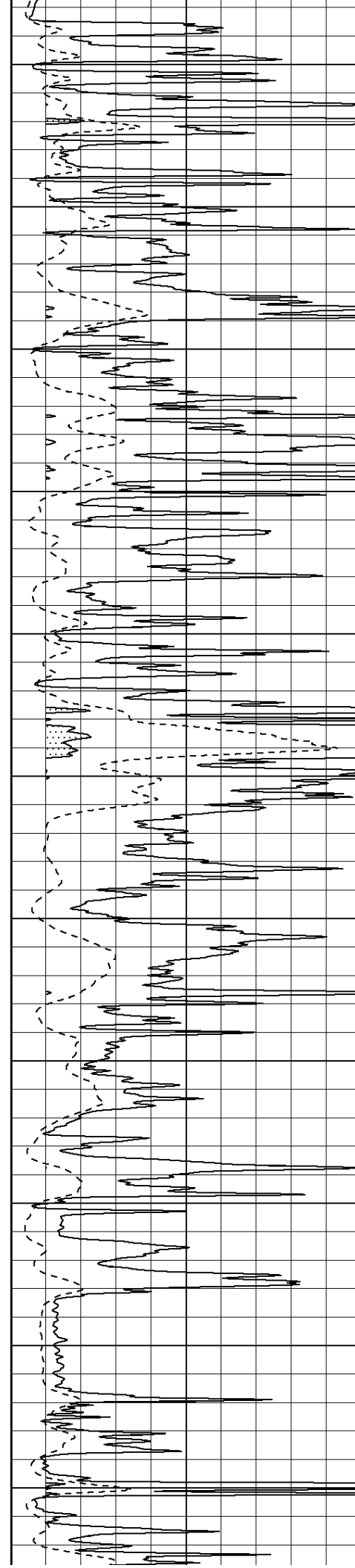
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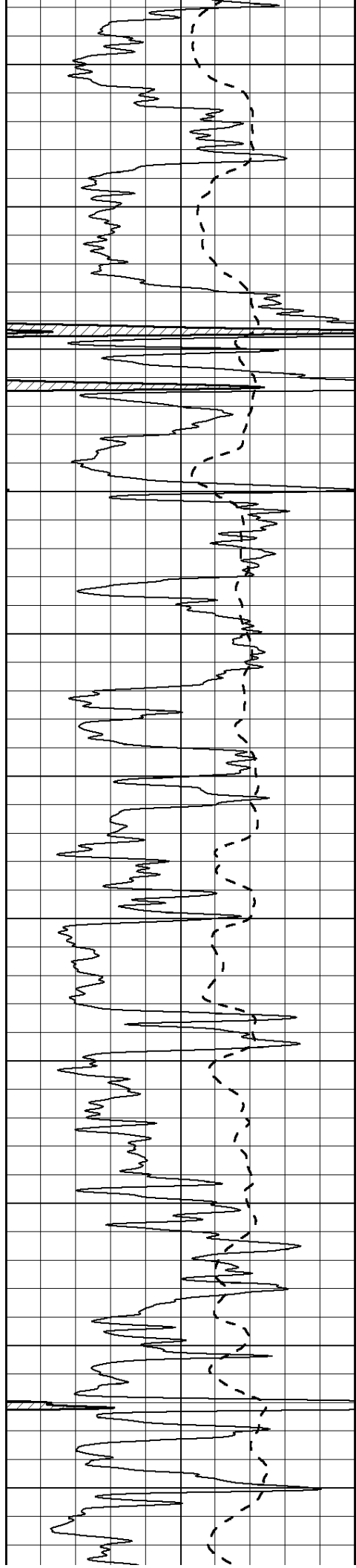
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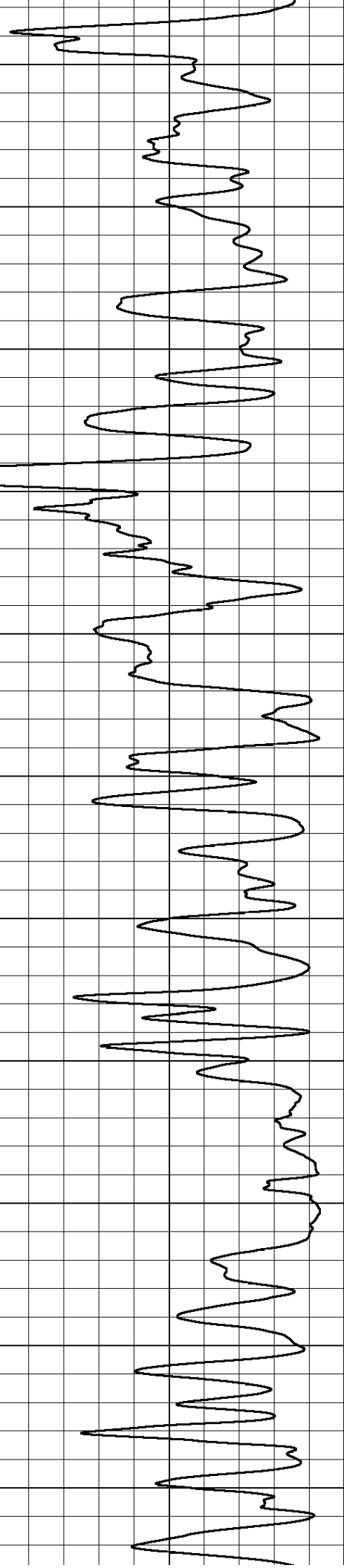
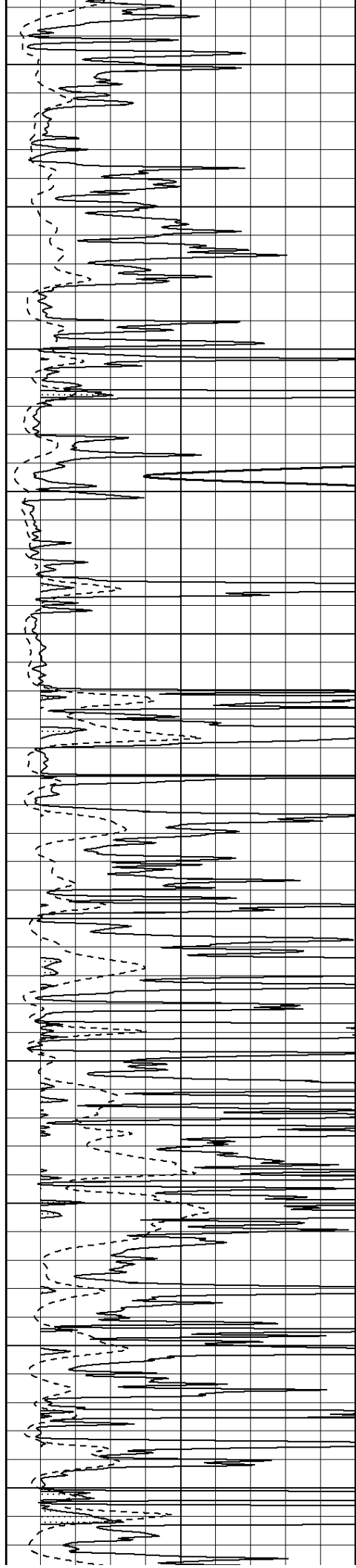


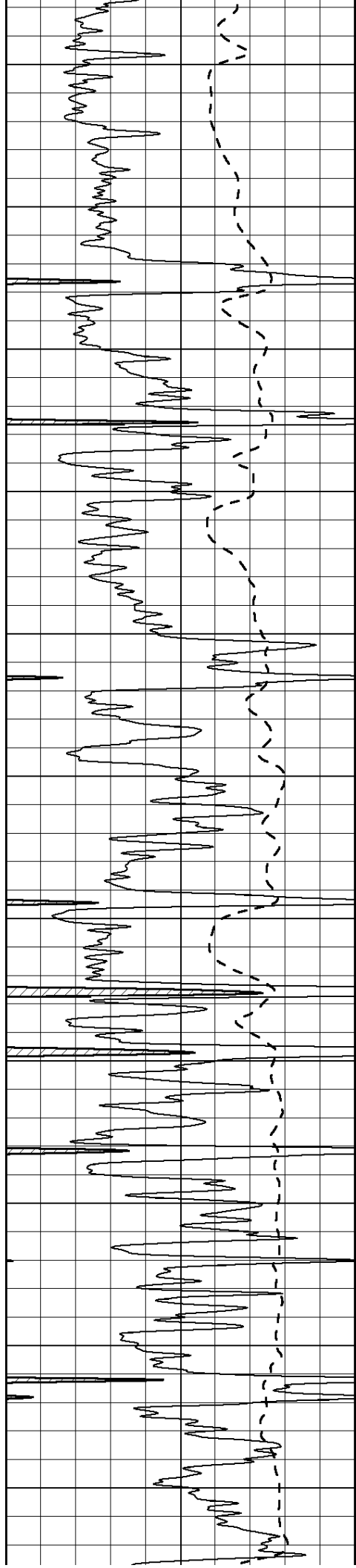
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3800
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4100
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5000

5050

5100

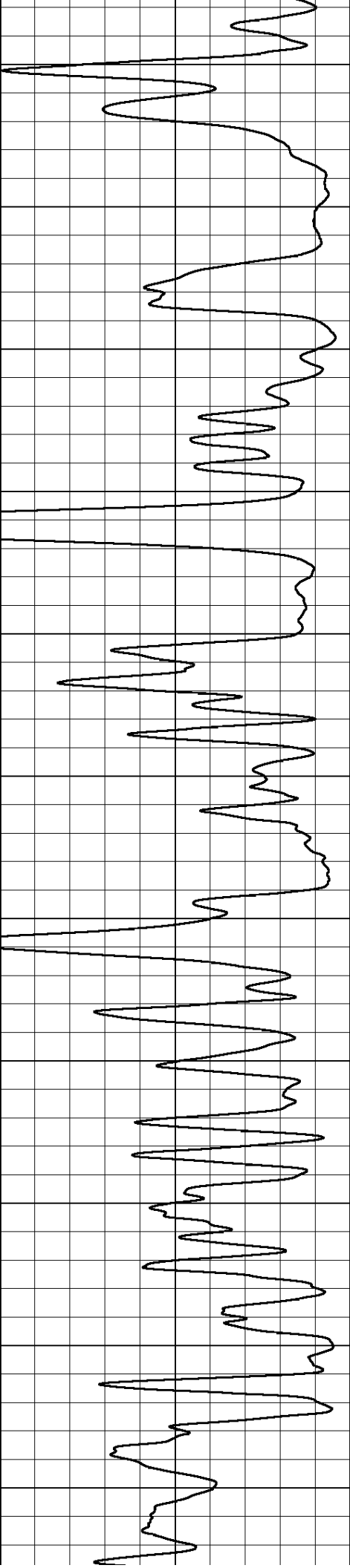
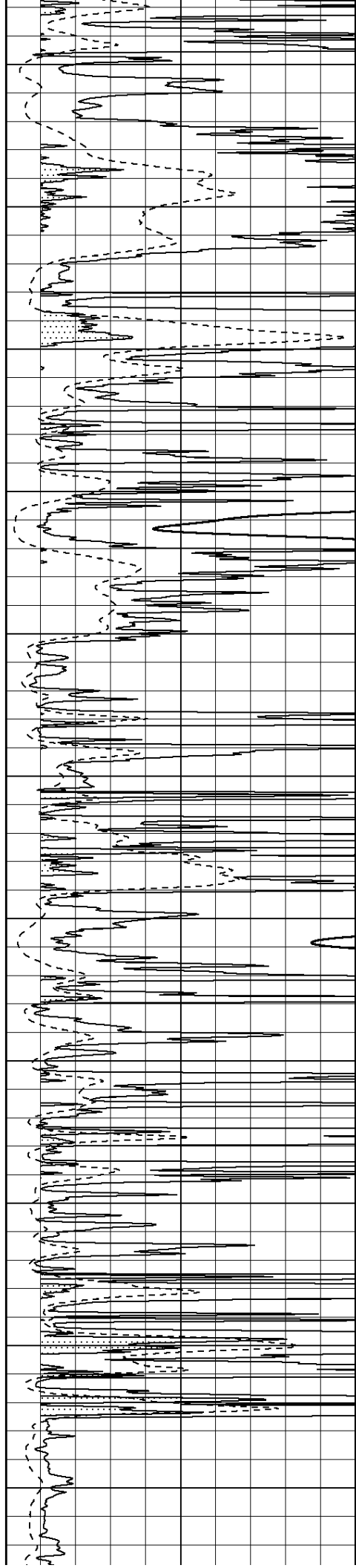
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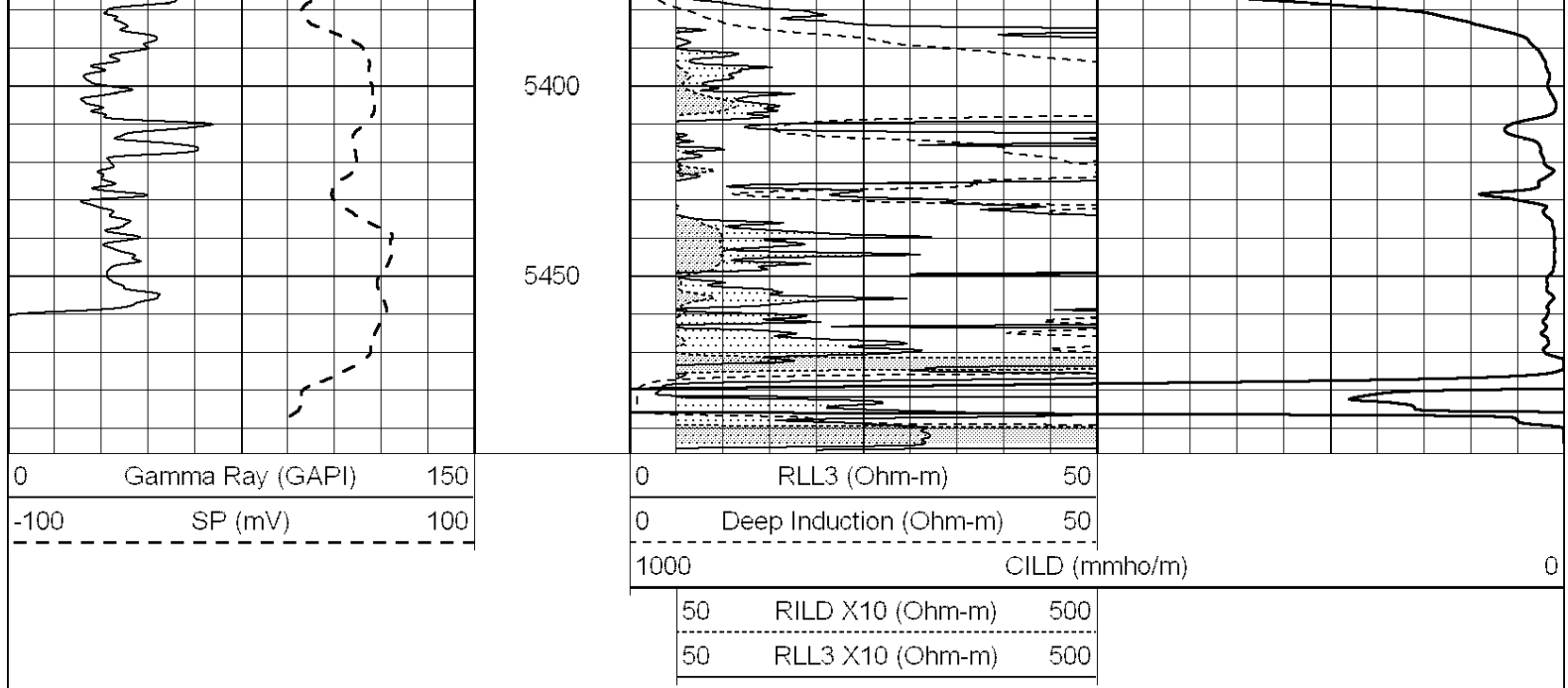
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5300

5350



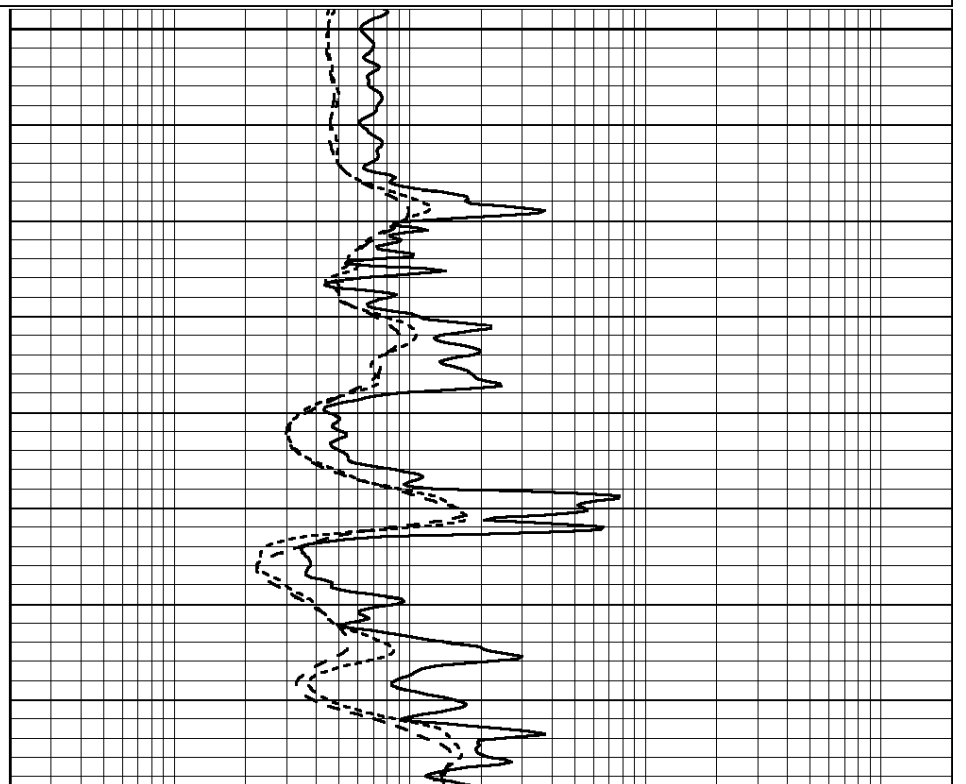
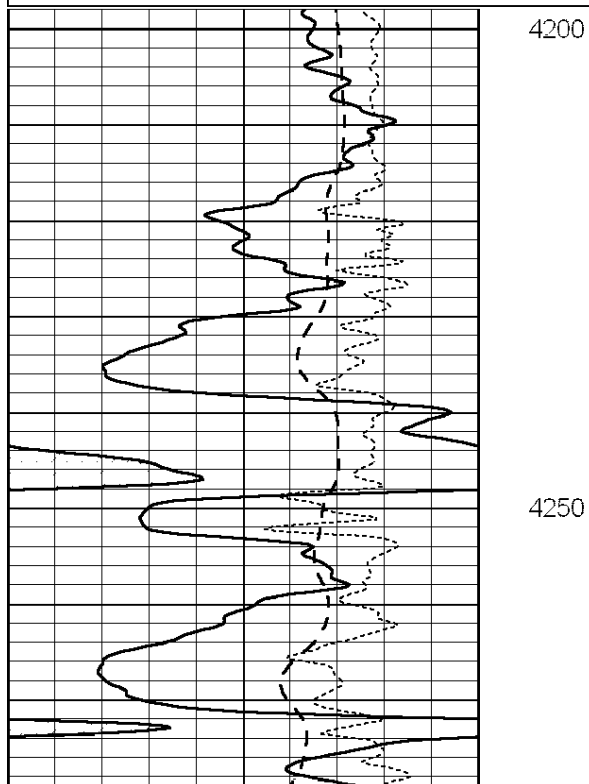


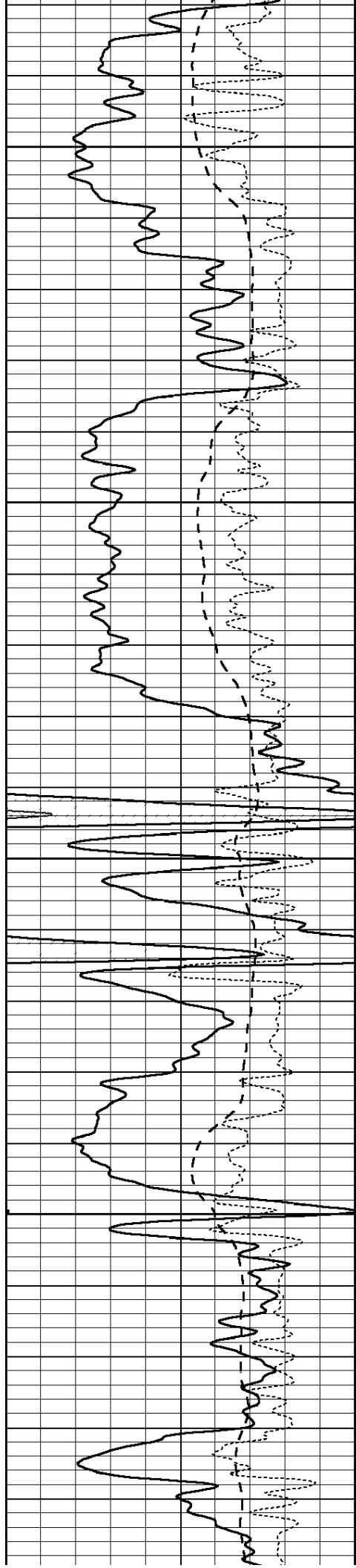
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MAIN SECTION

Database File: 011266pe.db
 Dataset Pathname: pass5.1
 Presentation Format: _dil
 Dataset Creation: Tue Jul 02 01:31:30 2013 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



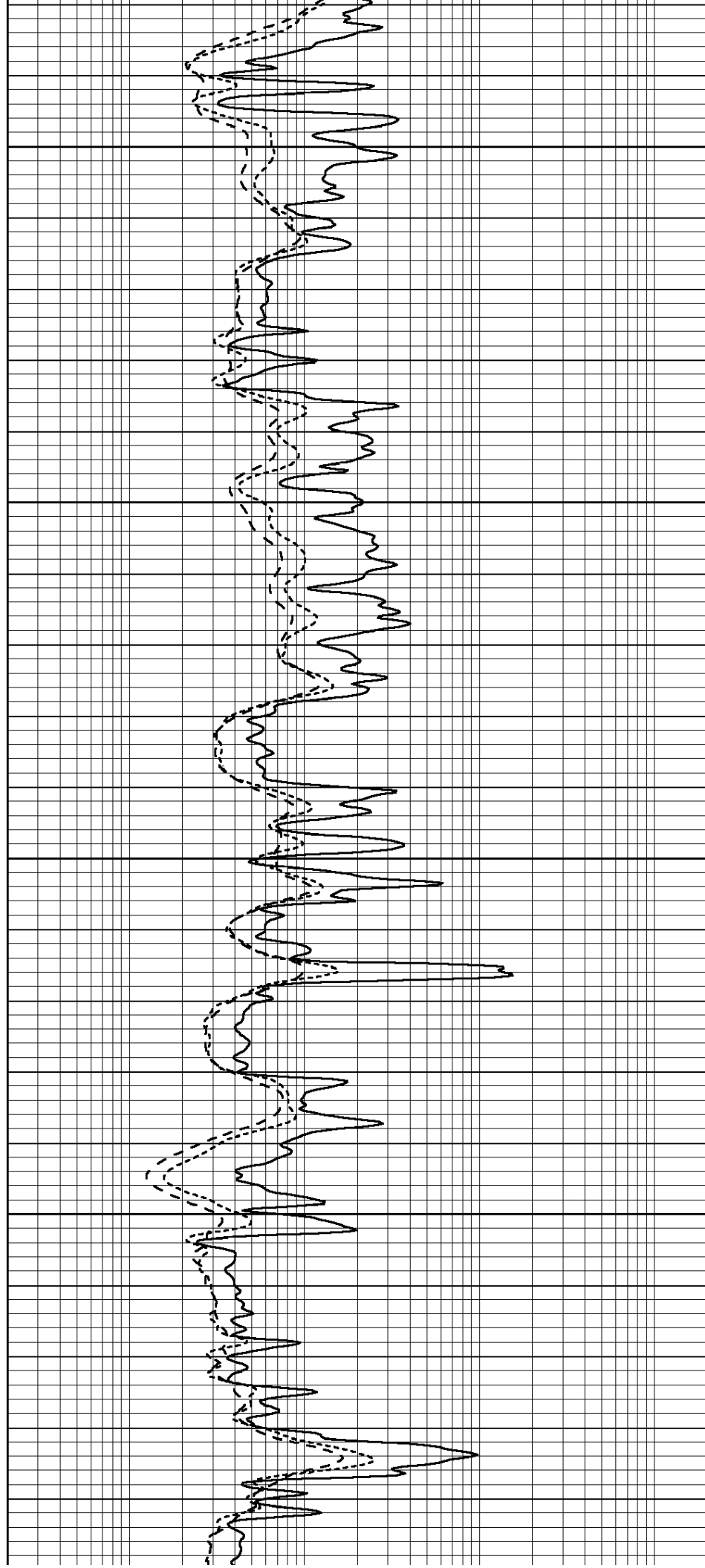


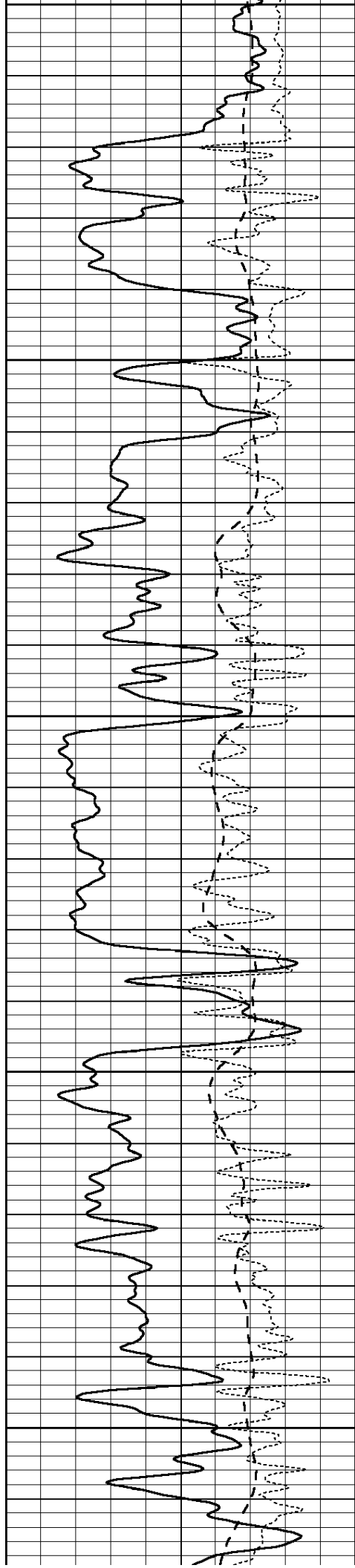
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4400

4450





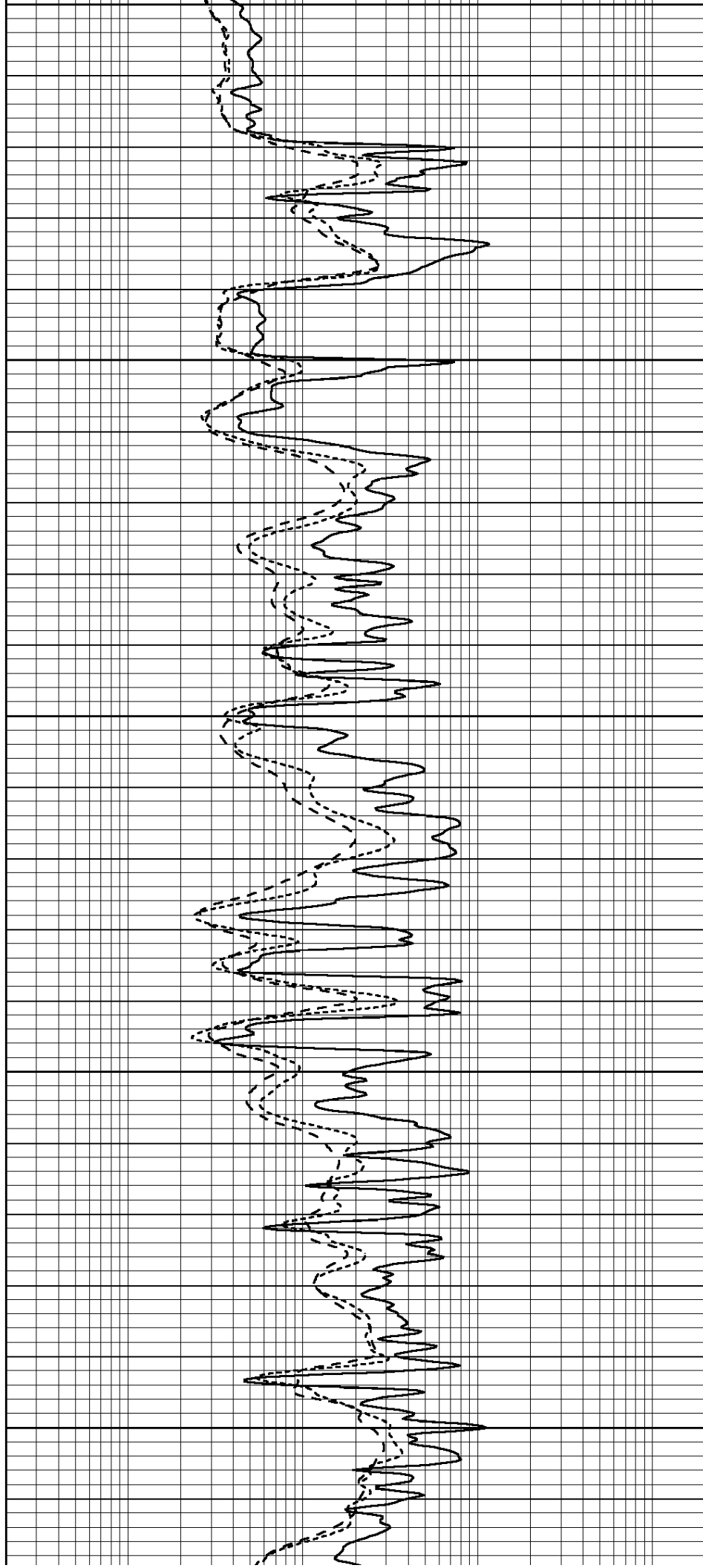
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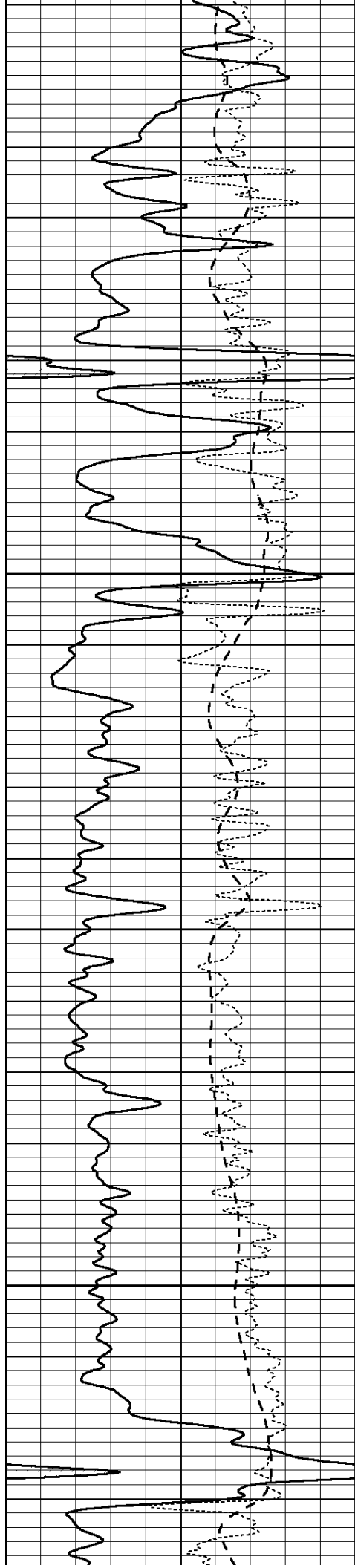
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4600

4650

4700



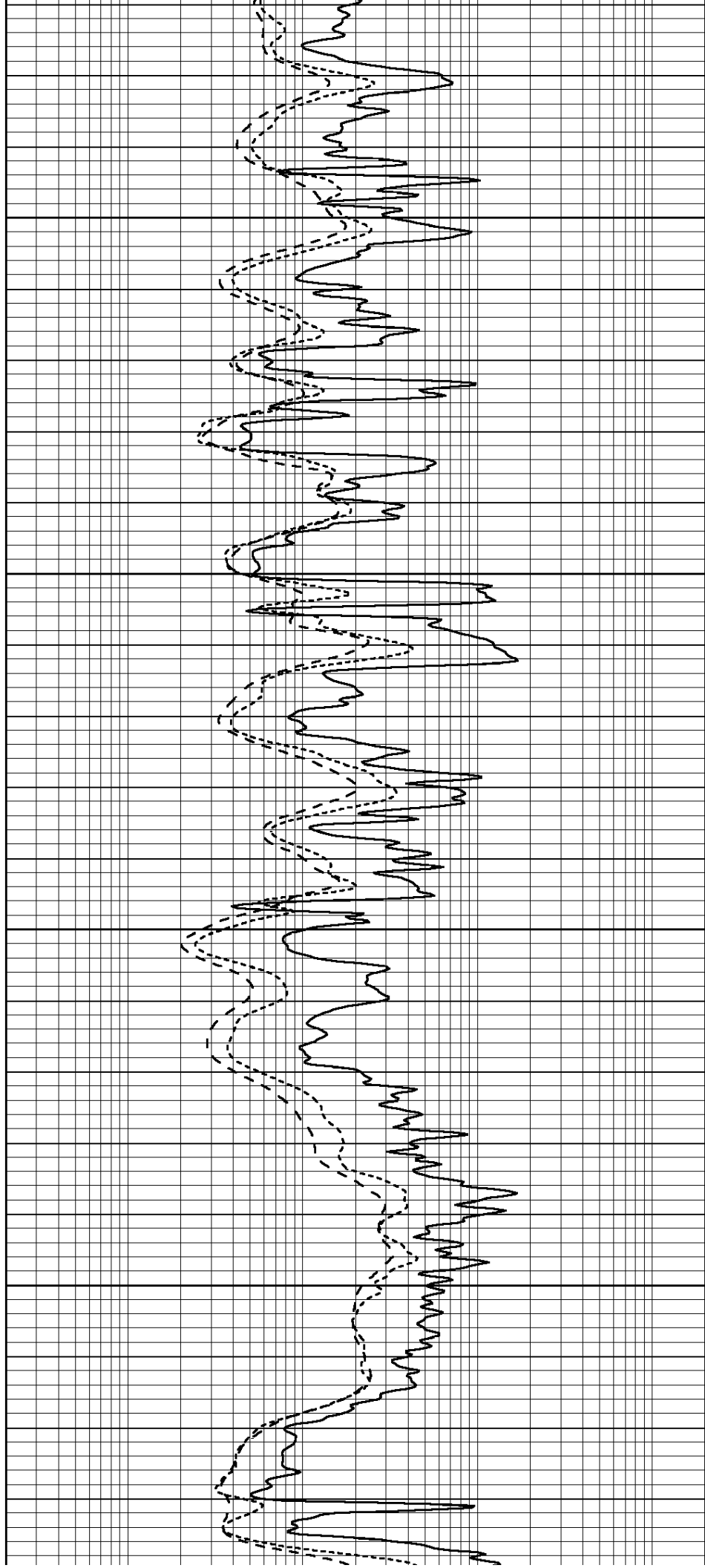


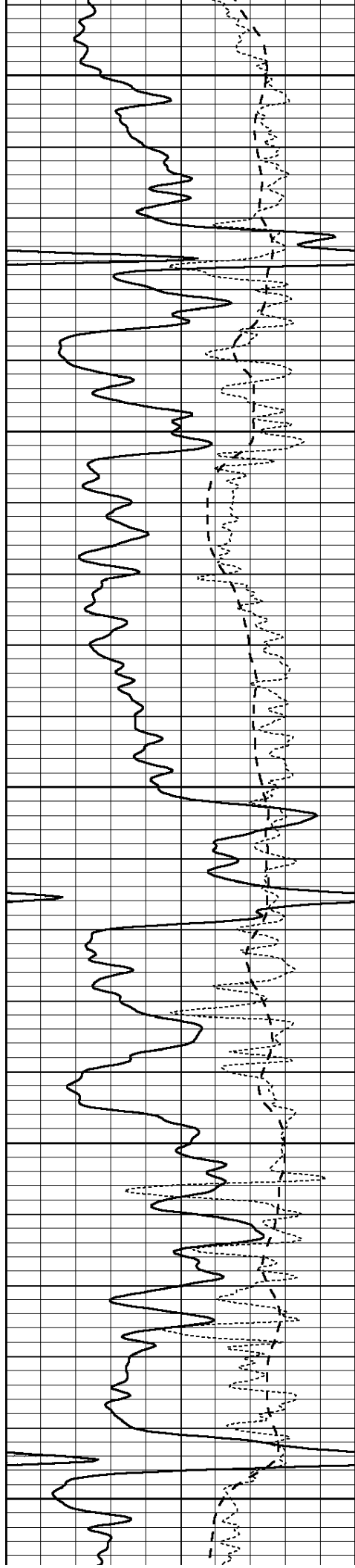
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4800

4850

4900





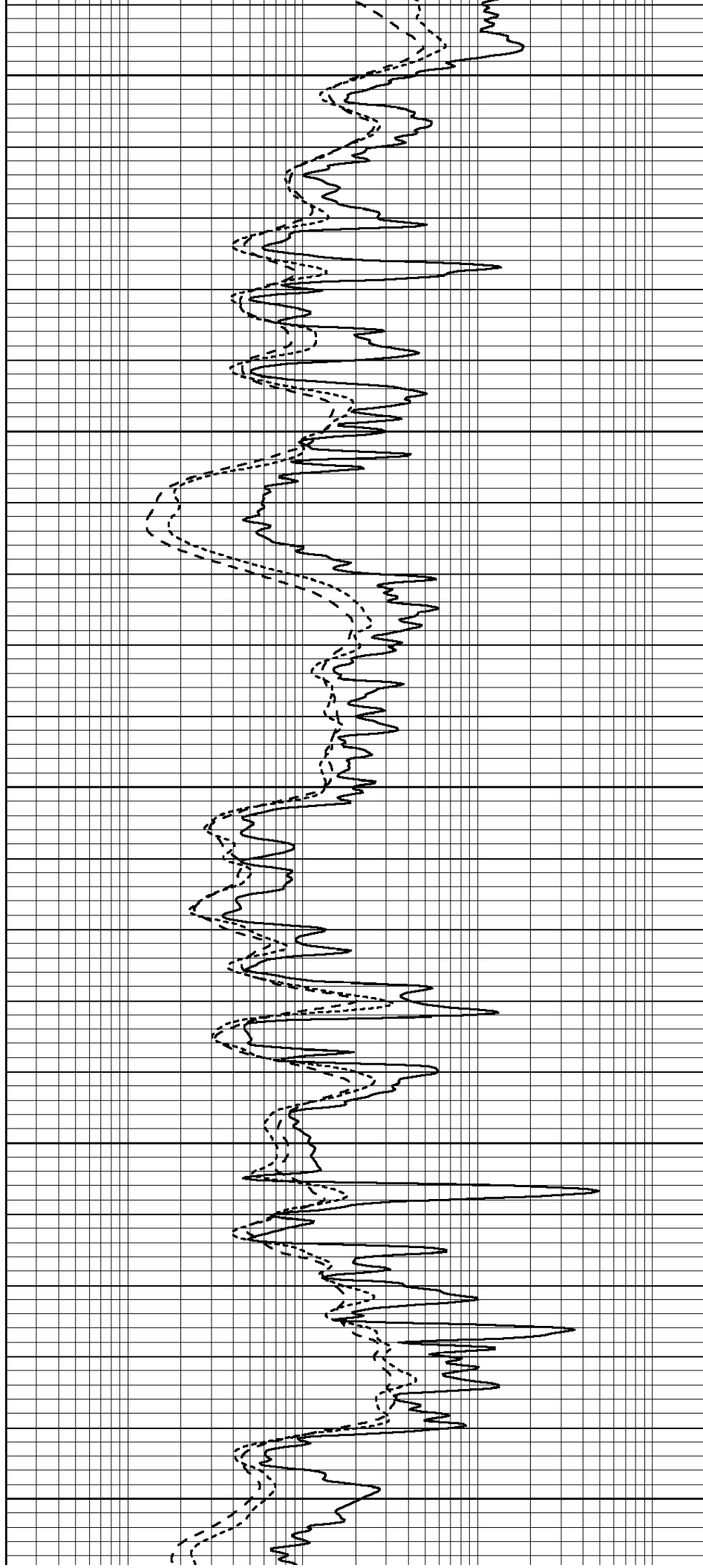
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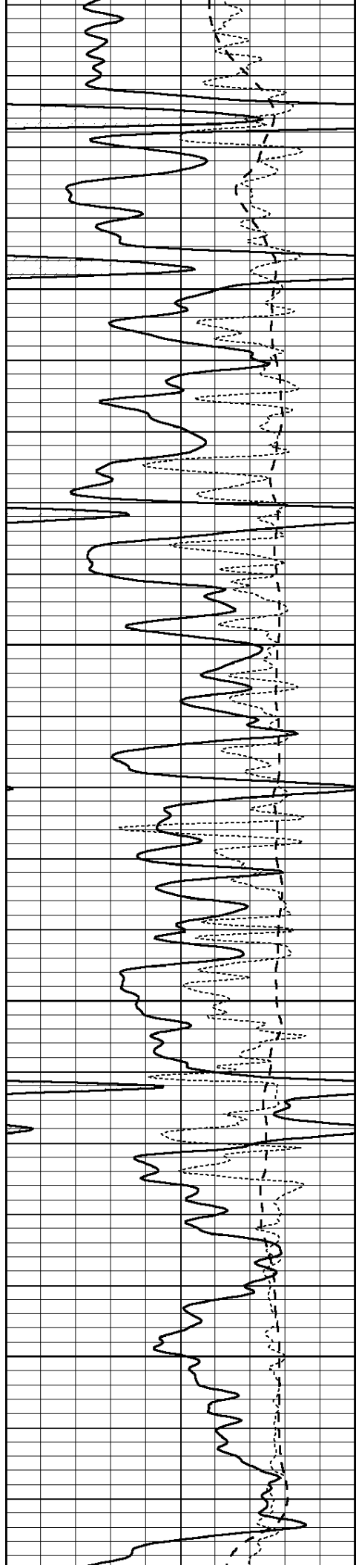
5000

5050

5100

5150



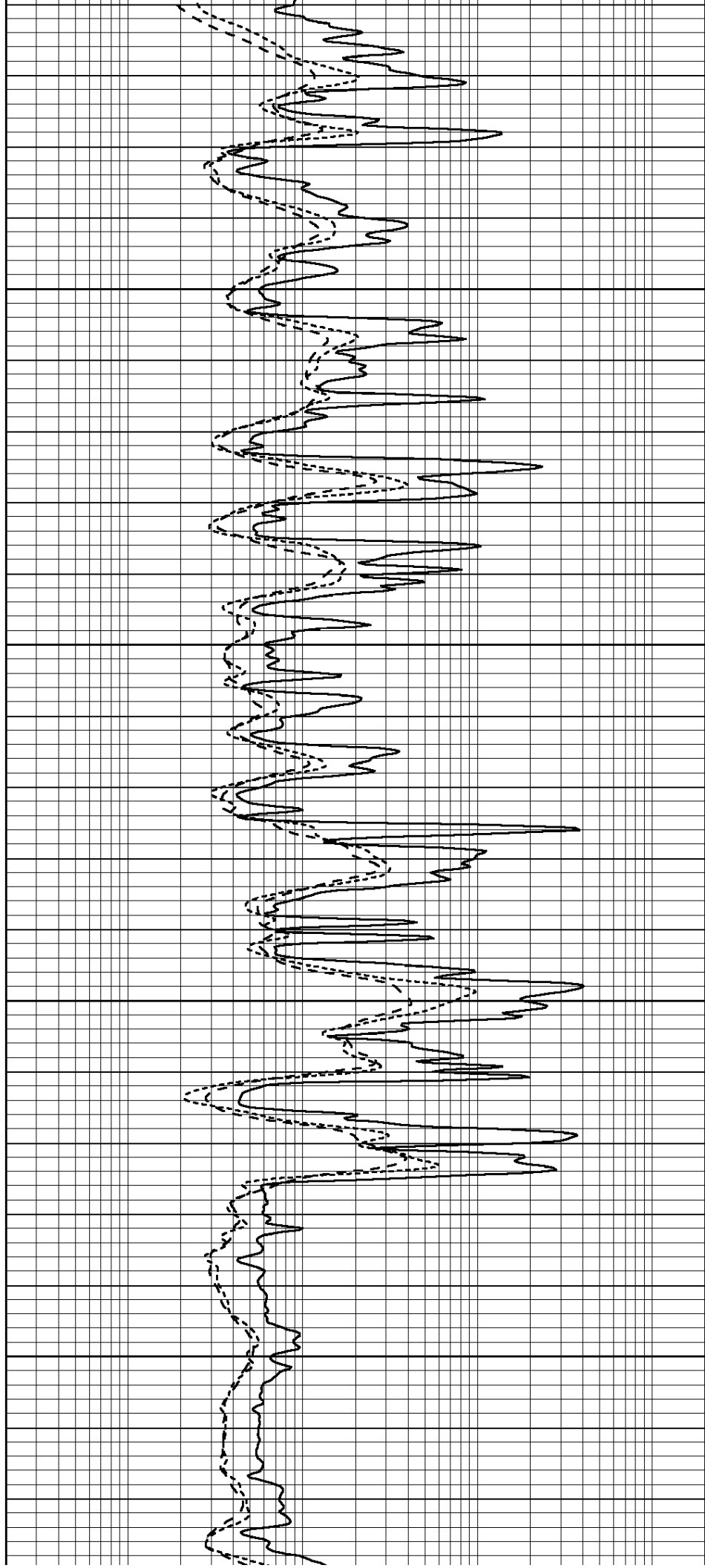


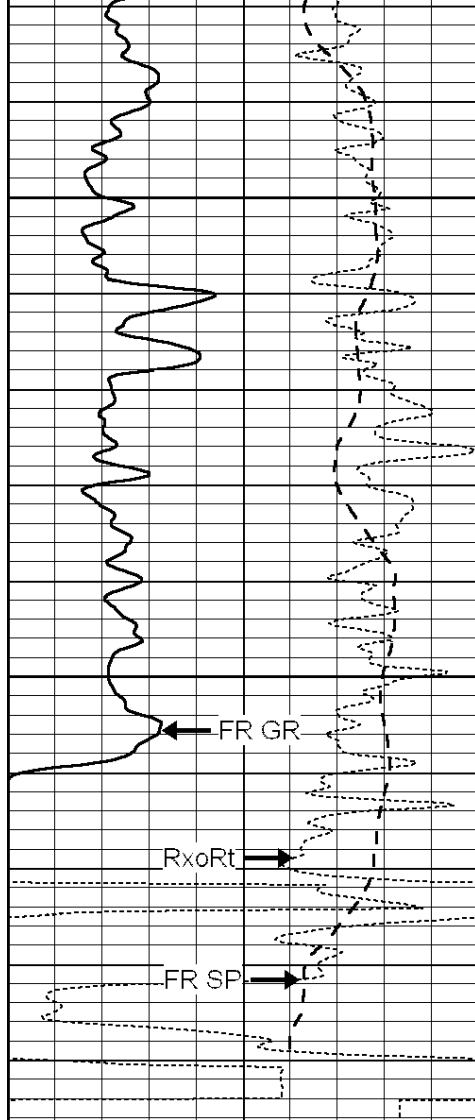
5200

5250

5300

5350





5400

5450

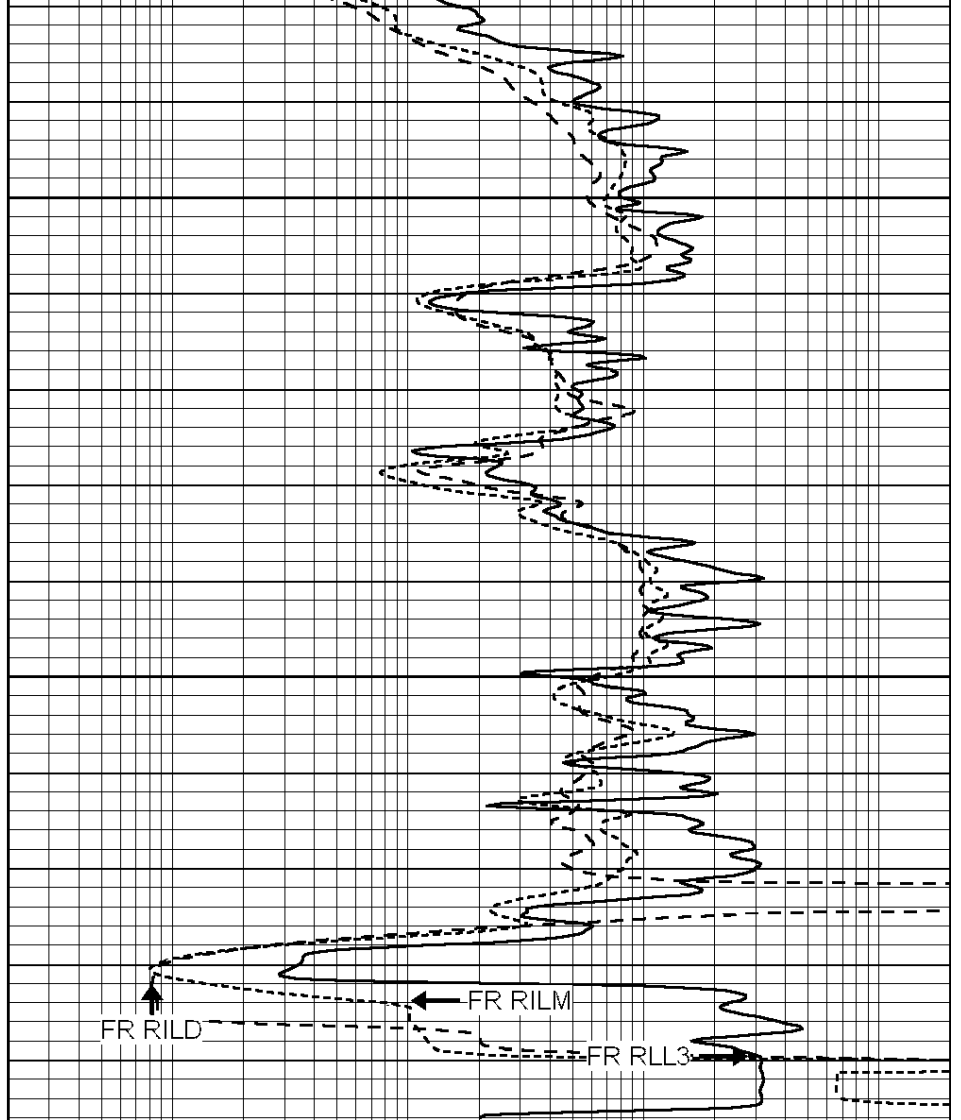
FR GR

Rxo/Rt

FR SP

LTD 5492

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



FR RILD

FR RILM

FR RLL3

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

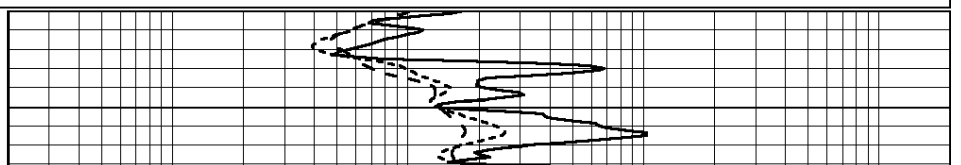
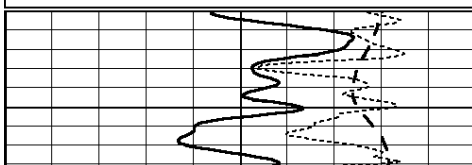


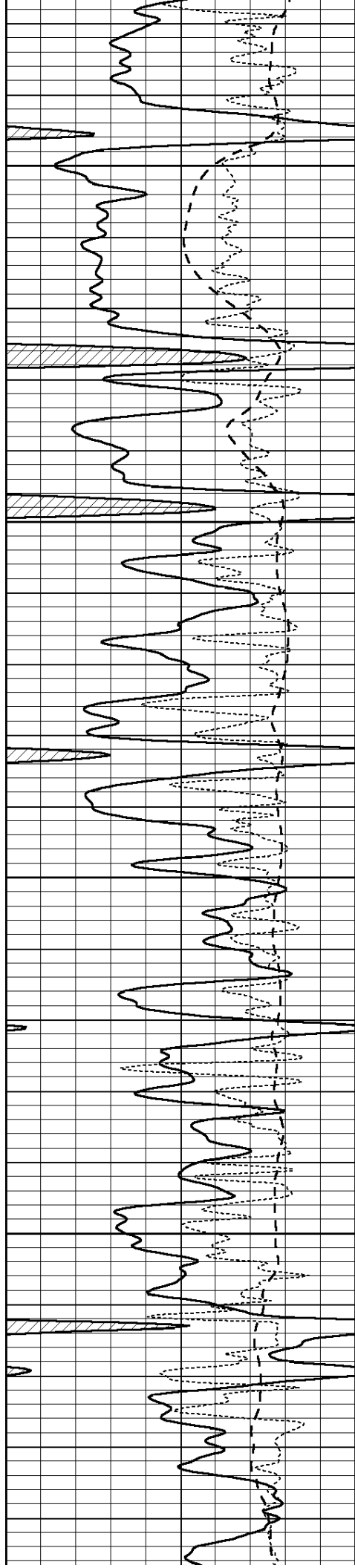
REPEAT SECTION

Database File: 011266pe.db
Dataset Pathname: pass2.2
Presentation Format: _dil
Dataset Creation: Tue Jul 02 01:38:50 2013 by Calc Open-Cased 090629
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



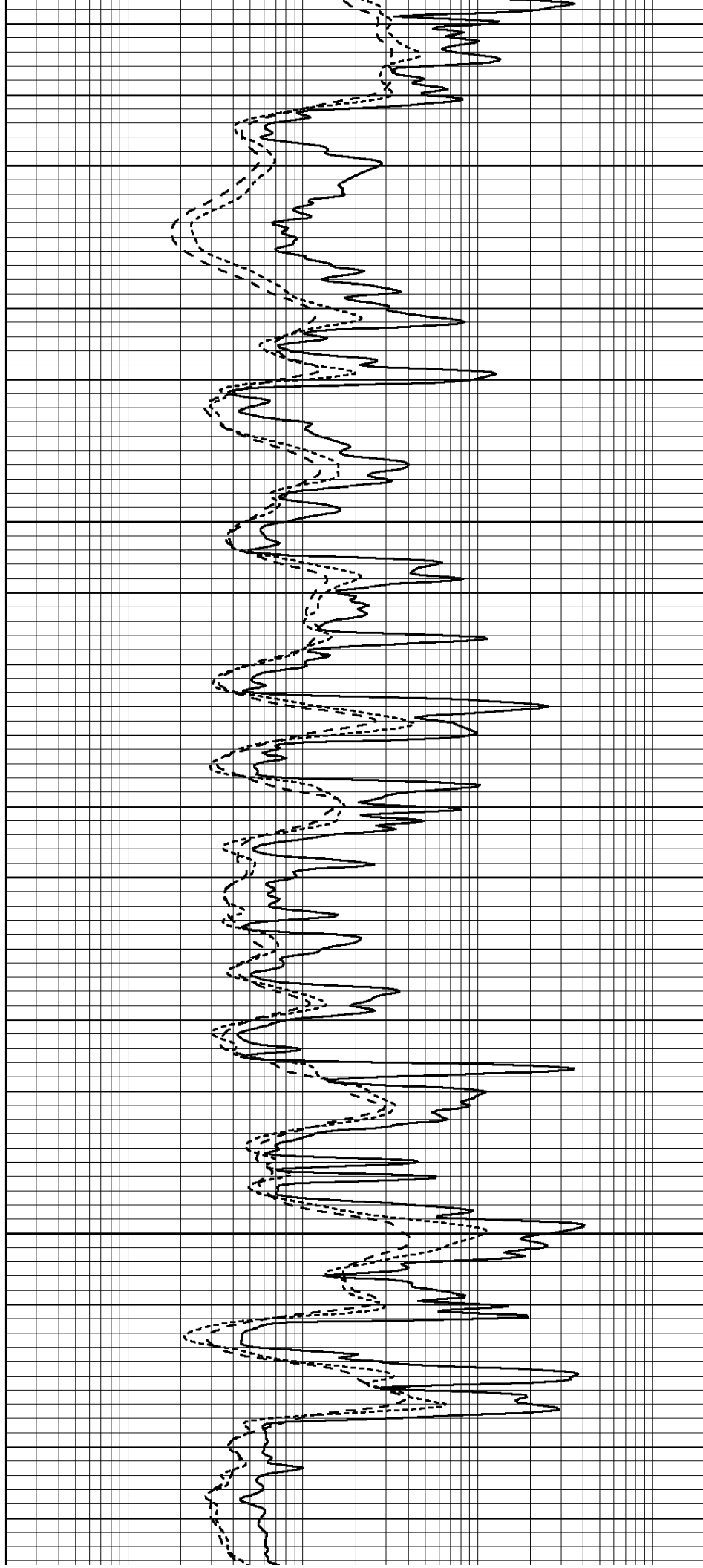


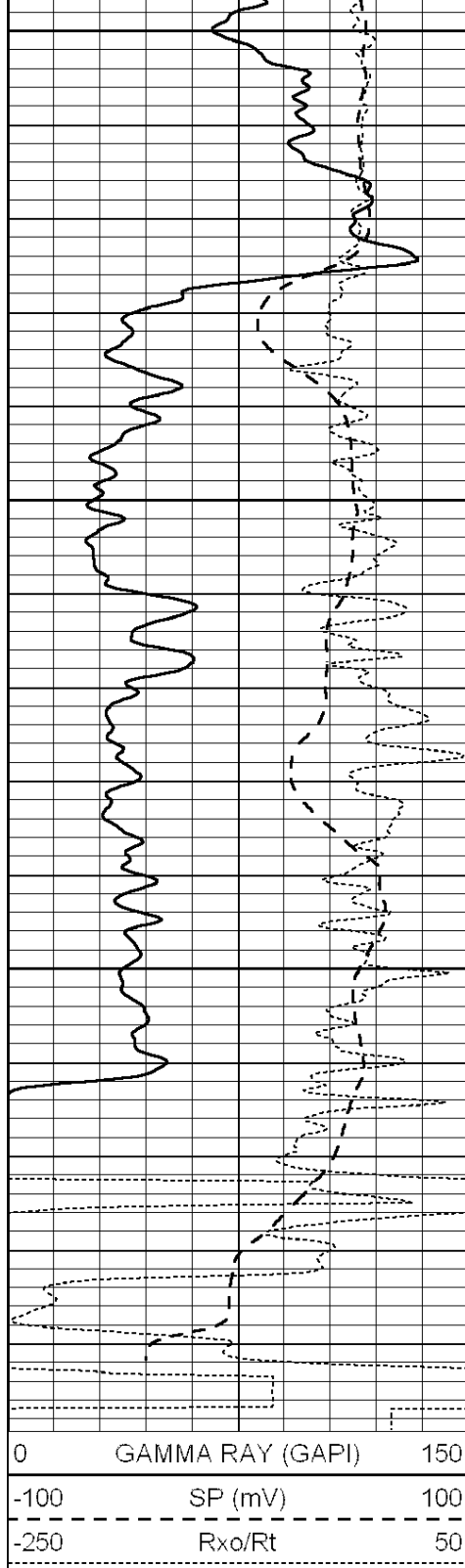
5150

5200

5250

5300

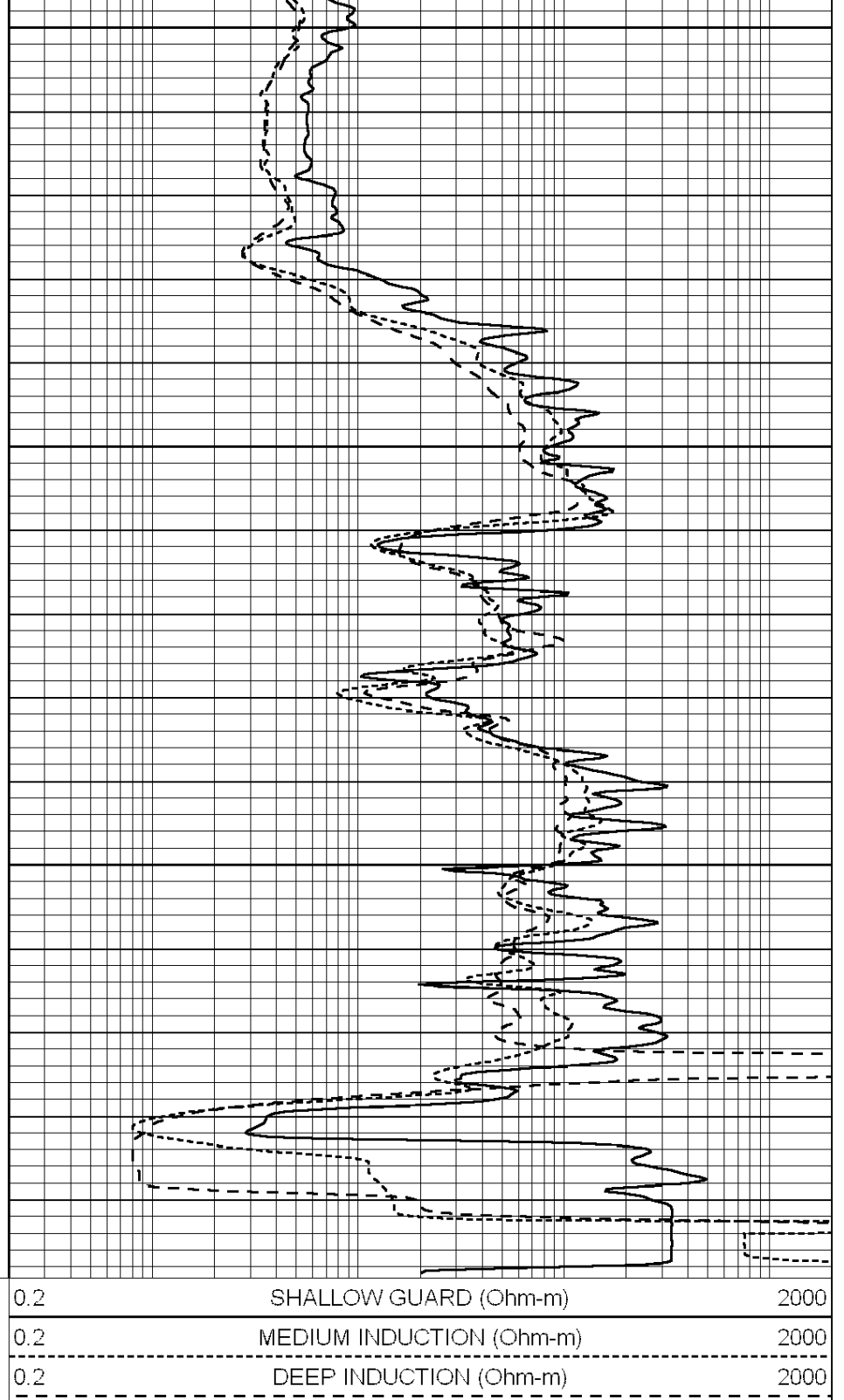




5350

5400

5450



Calibration Report

Database File: 011266pe.db
 Dataset Pathname: pass2.1
 Dataset Creation: Tue Jul 02 01:11:37 2013 by Calc Open-Cased 090629

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

Surface Calibration				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: 002 Model: PRB Performed Thu May 24 10:48:35 2012								
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Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	869.0	7503.7	2278.2	8031.6	cps
Window 2	814.2	6016.2	1916.9	6332.7	cps
Window 3	662.8	3301.5	1210.8	3422.7	cps
Window 4	200.3	202.6	201.6	200.2	cps
Long Space	0.0	5202.0	1102.6	5518.5	cps
Short Space	1.2	998.0	637.9	1006.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 43.9	Rib Slope	: 0.963	Density/Spine Ratio	: 0.545
Spine Angle	: 73.9	Spine Slope	: 3.466	Spine Intercept	: -15.4

Caliper			
Low Ref	Readings	Reference	
High Ref	3.7	8.0	
	6.1	14.0	
	Gain: 2.5		Offset: -2.3

Compensated Neutron Calibration Report			
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:	#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