



SUPERIOR
Hays,
Kansas

**DUAL
INDUCTION
LOG**

Company BEREXCO, INC. Well MELBA #1-32 Field WILDCAT County FORD State KANSAS		Location: API # : 15-057-20629-0000 2433'FNL & 630'FWL SE SW SW NW SEC 32 TWP 29S RGE 22W Permanent Datum GROUND LEVEL Elevation 2473 Log Measured From KELLY BUSHING 13' A.G.L. Drilling Measured From KELLY BUSHING		Other Services CDL/CNL/PE MEL/SONIC Elevation K.B. 2486 D.F. 2484 G.L. 2473	
Date	27 JAN 09				
Run Number	ONE				
Depth Driller	5459				
Depth Logger	5452				
Bottom Logged Interval	5450				
Top Log Interval	0				
Casing Driller	8 5/8 @ 645'				
Casing Logger	645				
Bit Size	7 7/8				
Type Fluid in Hole	CHEMICAL MUD				
Density / Viscosity	9.4/43				
pH / Fluid Loss	9.0/11.2				
Source of Sample	FLOWLINE				
Rm @ Meas. Temp	0.58 @ 64				
Rmf @ Meas. Temp	0.43 @ 64				
Rmc @ Meas. Temp	0.69 @ 64				
Source of Rmf / Rmc	CAL/CAL				
Rm @ BHT	0.28 @ 129F				
Time Circulation Stopped	2 HOURS				
Time Logger on Bottom	0001				
Maximum Recorded Temperature	129F				
Equipment Number	680				
Location	HAYS, KS				
Recorded By	DUGAN DENTON				
Witnessed By	JIM HICKMAN				

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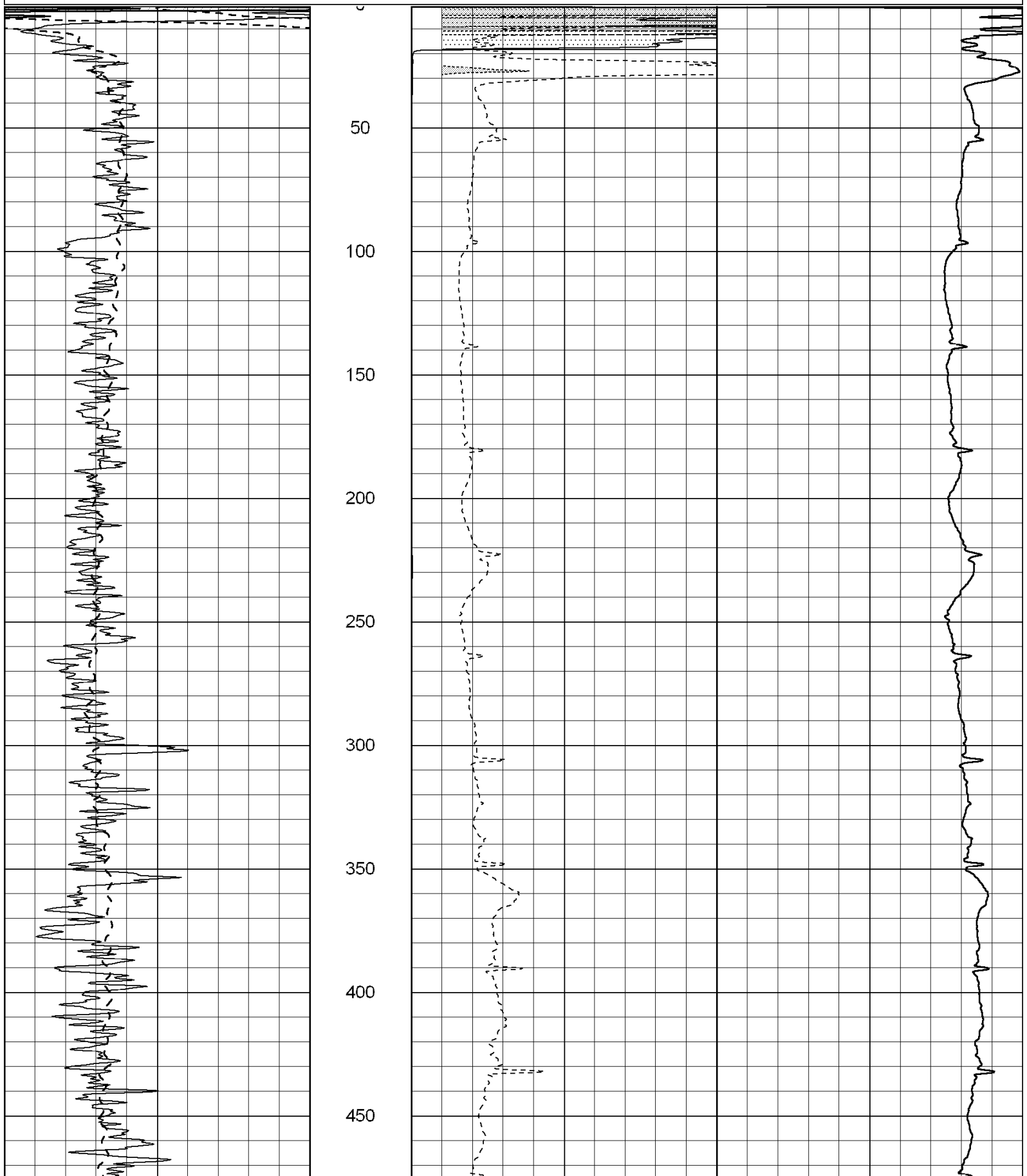
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

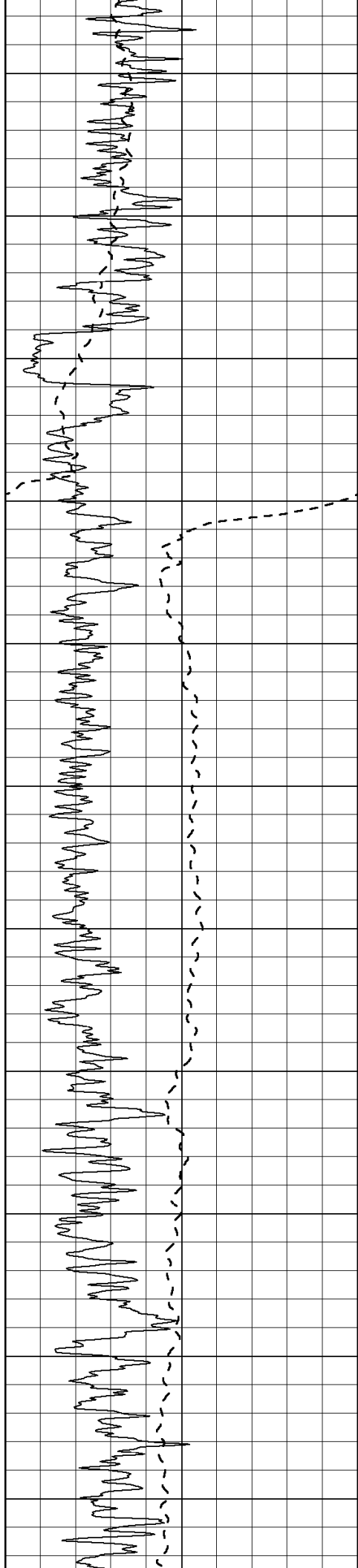
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICES
HAYS, KS. 785-628-6395

DIRECTIONS: KINGSDOWN; 3 1/4 MILES SOUTH ON BLACKTOP, EAST INTO

0	Gamma Ray (GAPI)	150	0	RLL3 (Ohm-m)	50	
-100	SP (mV)	100	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

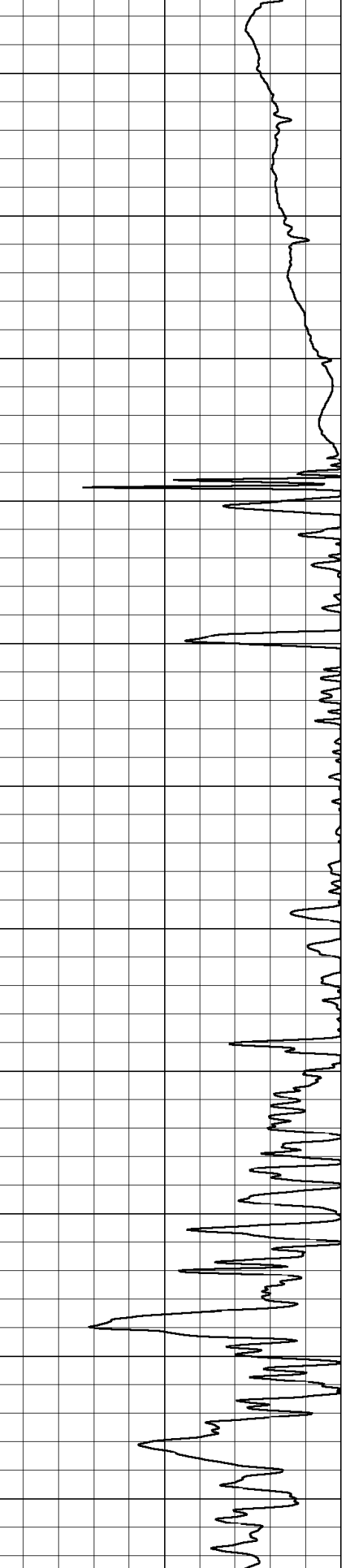
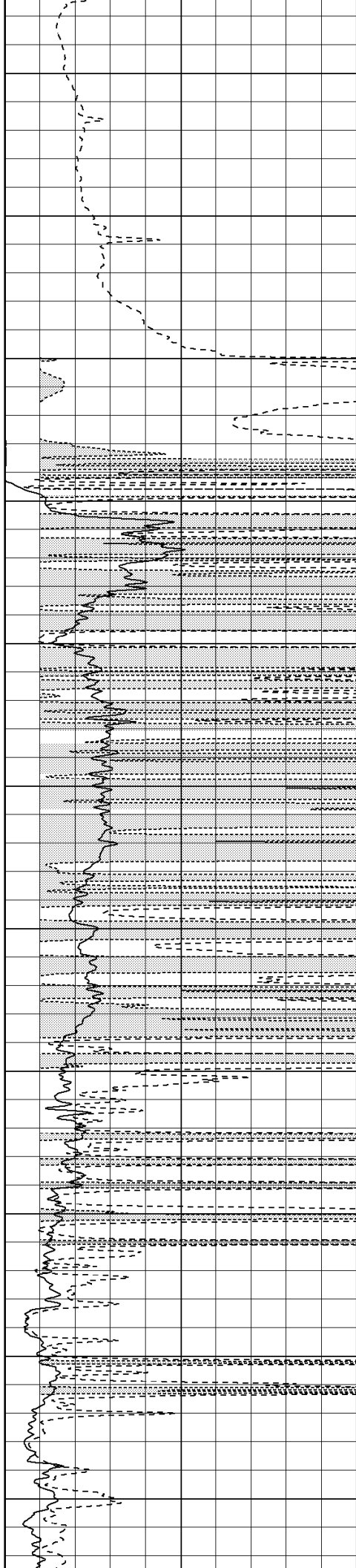
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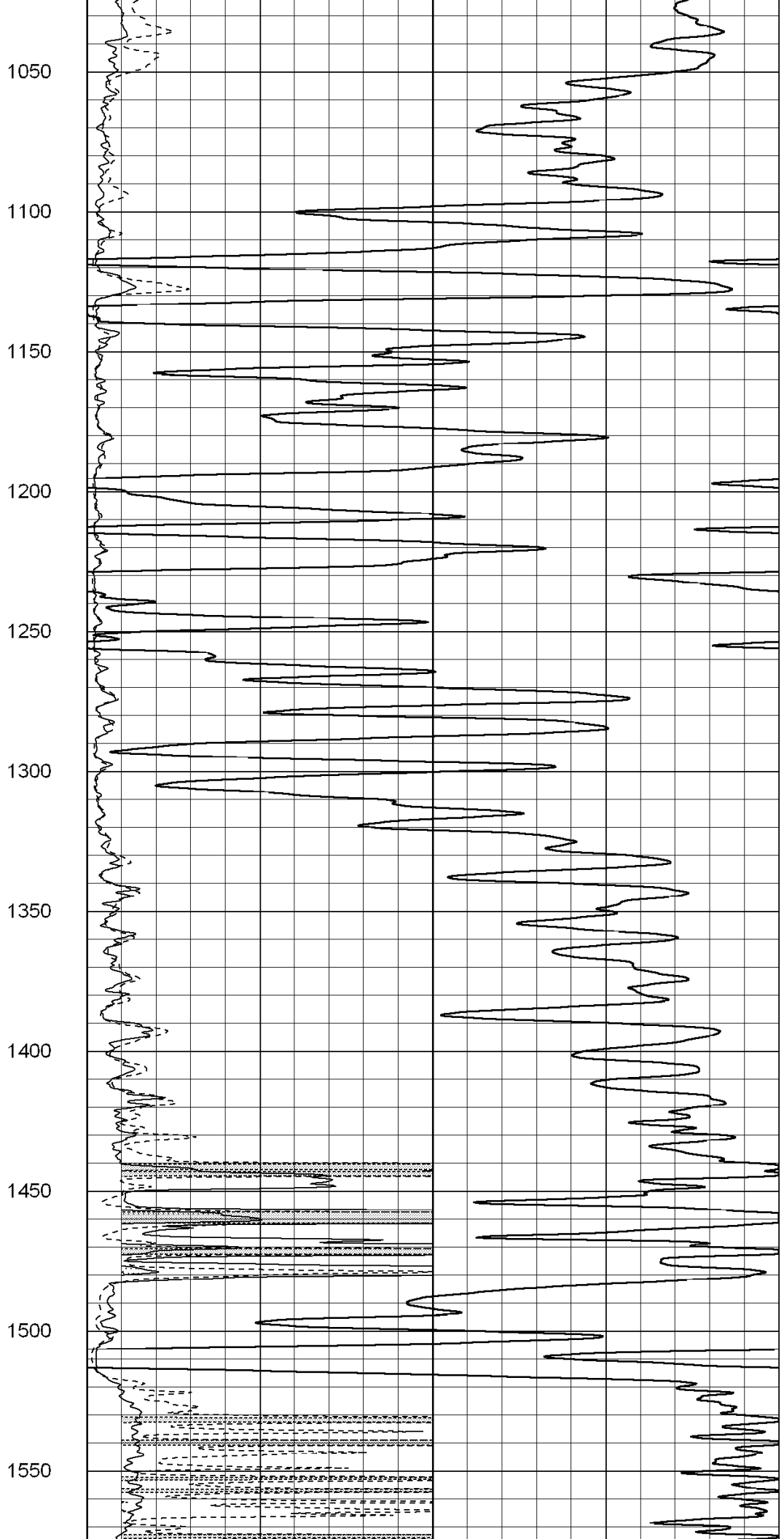
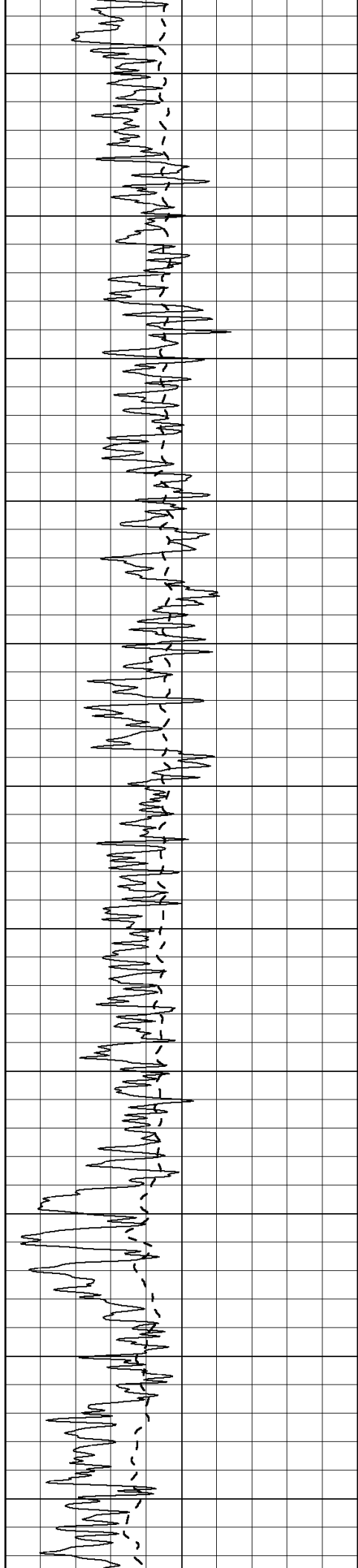
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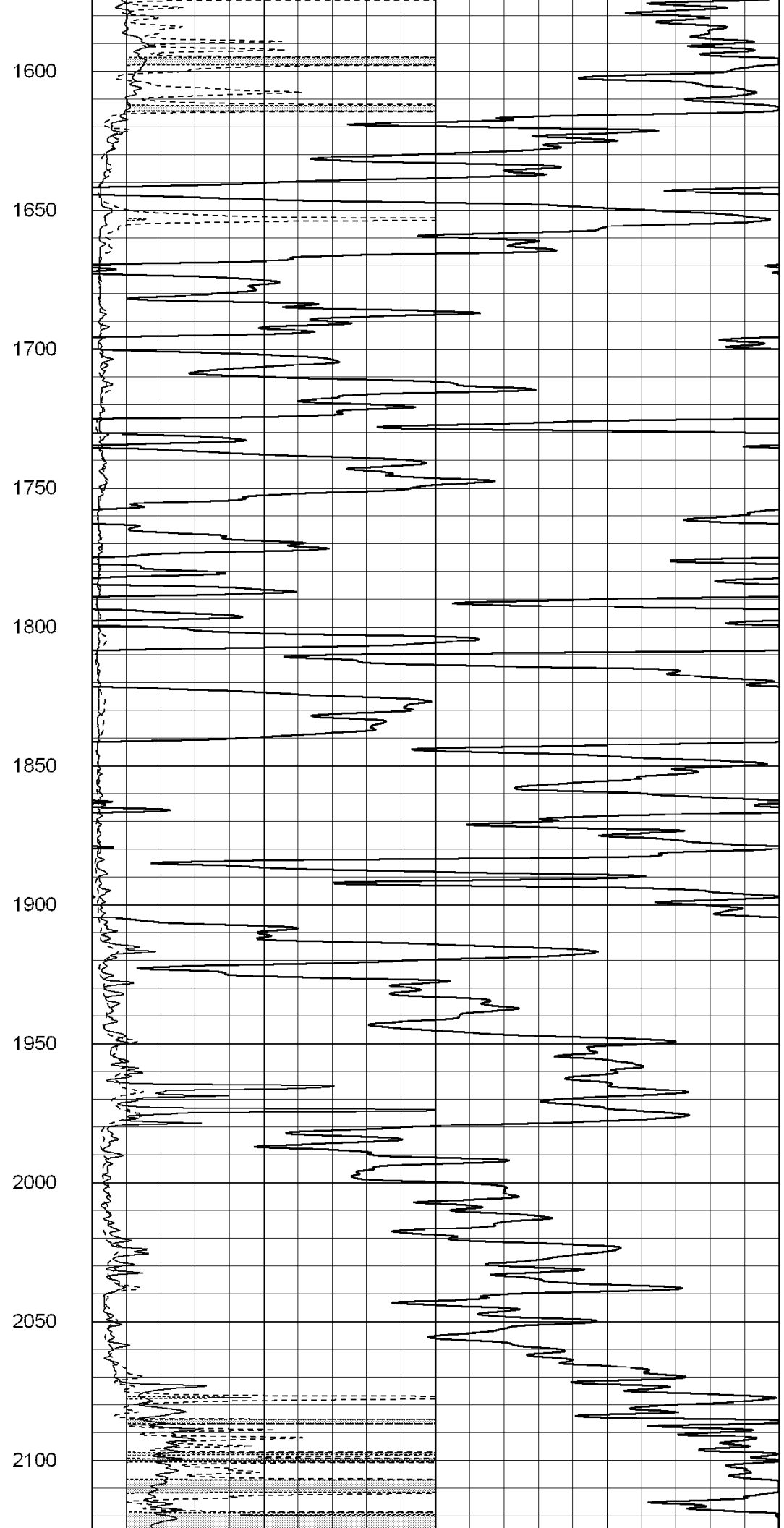
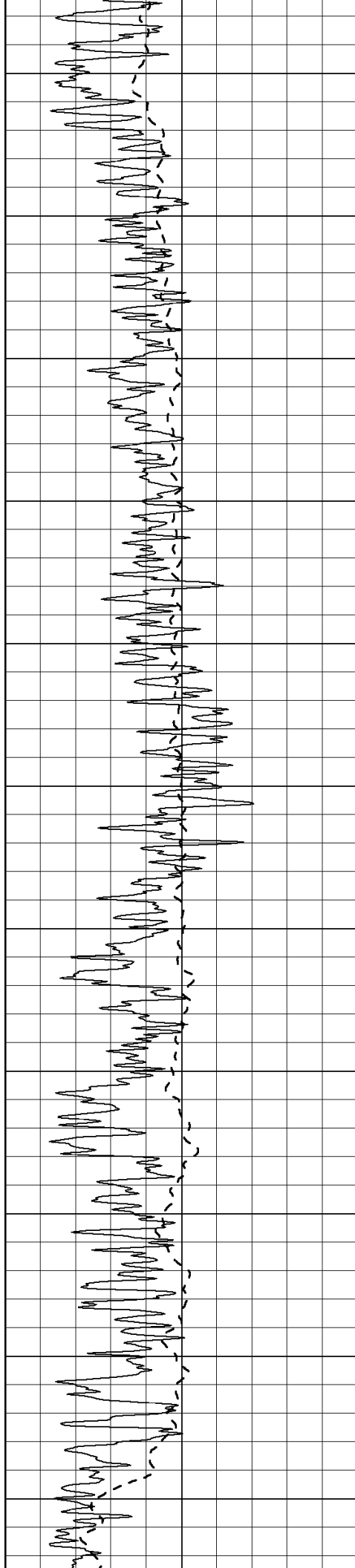
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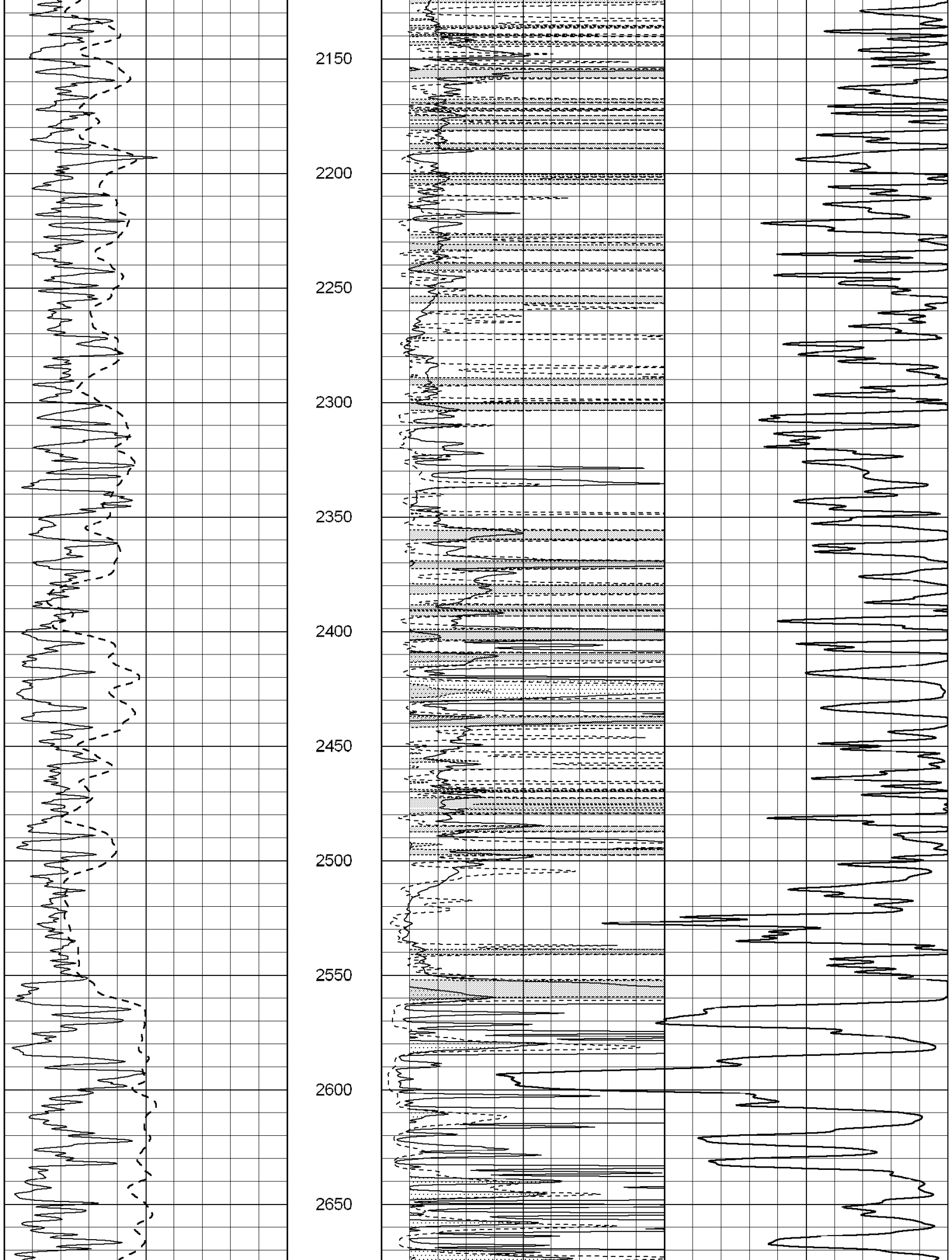
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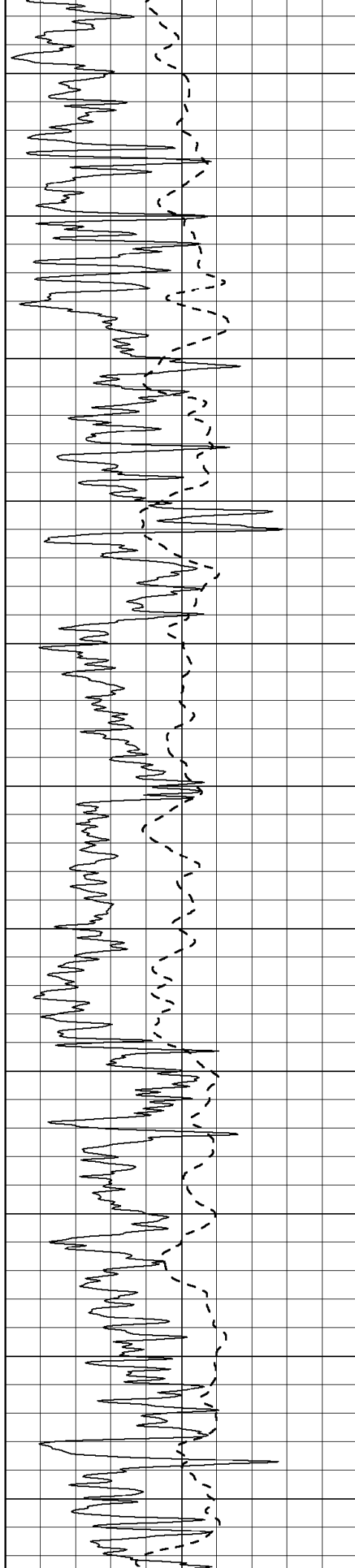
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2700

2750

2800

2850

2900

2950

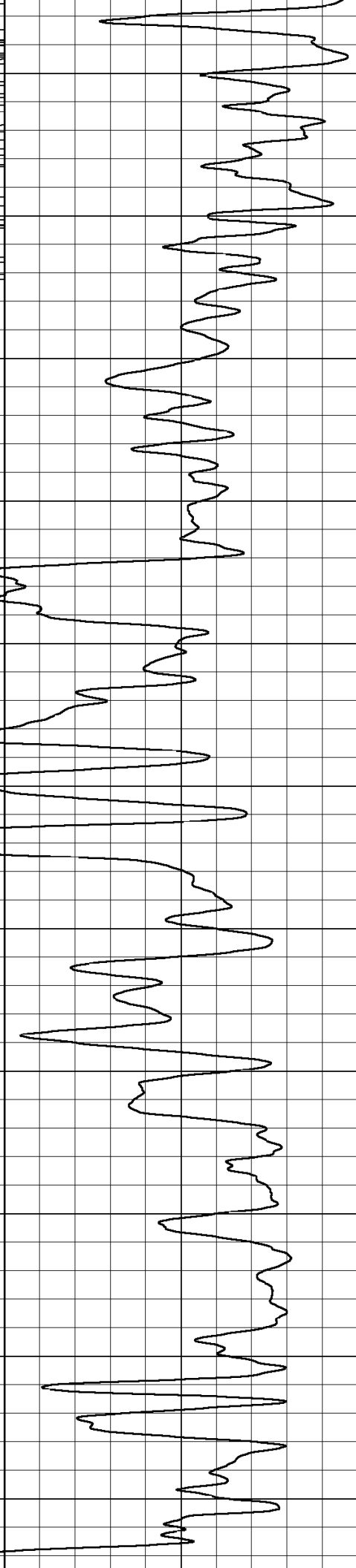
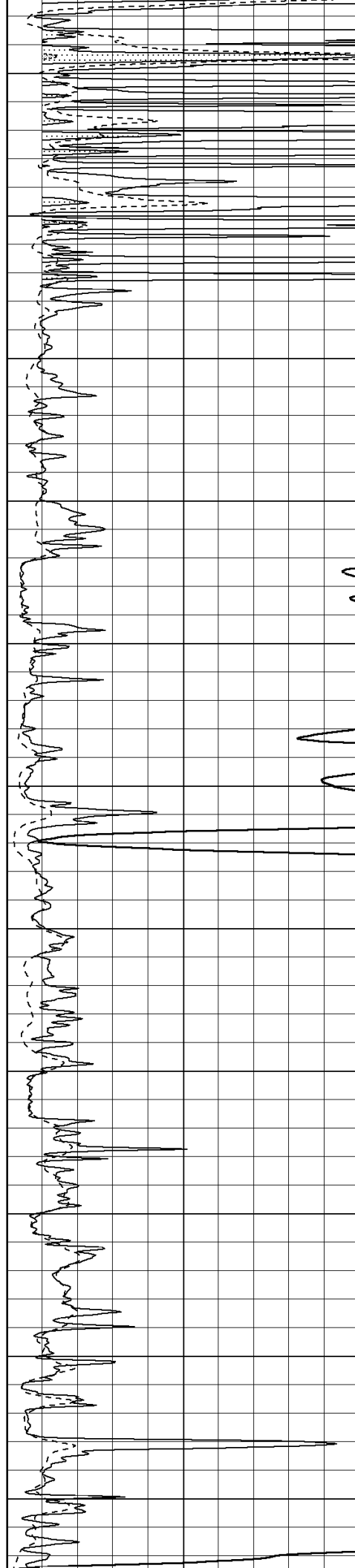
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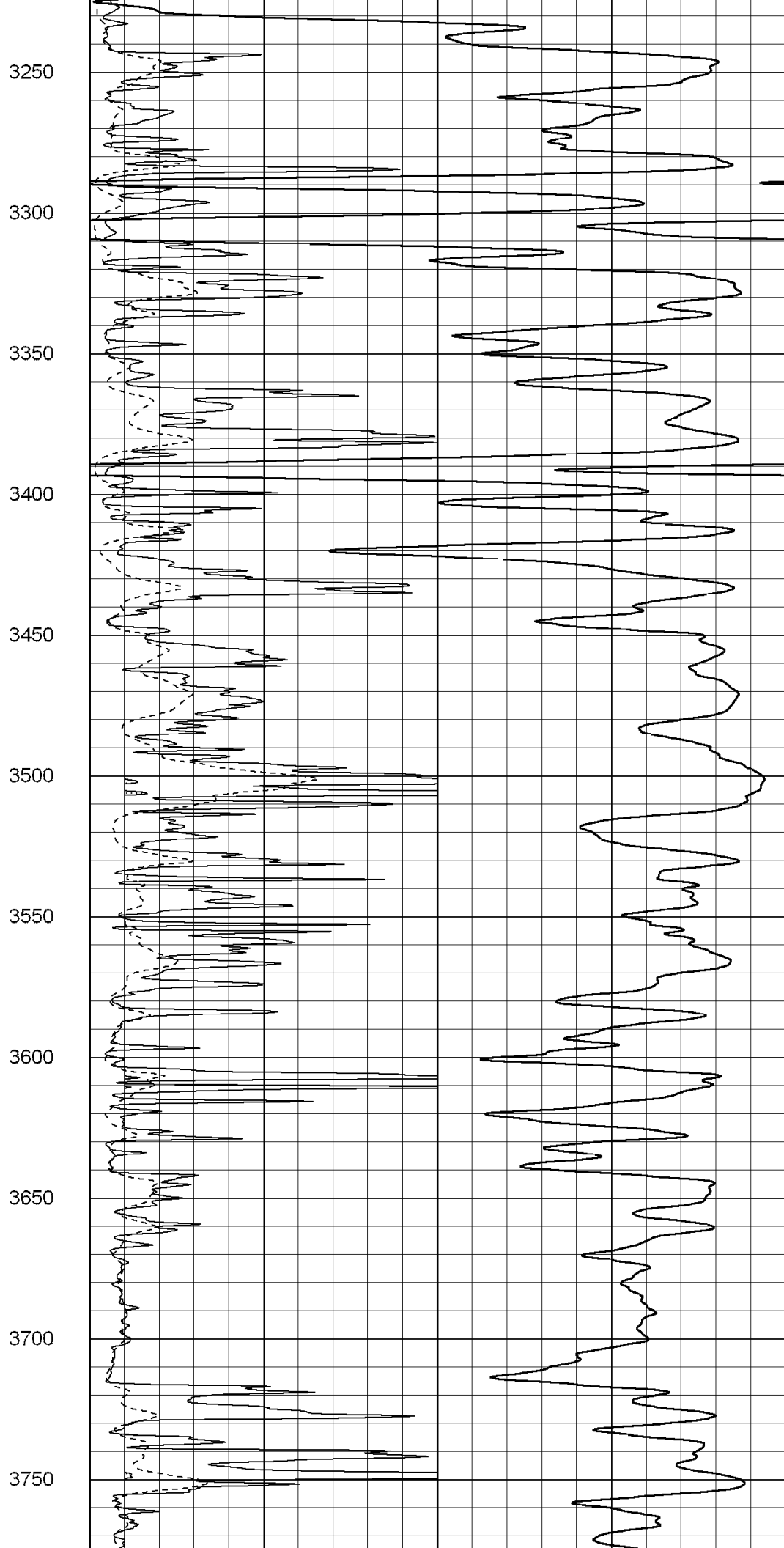
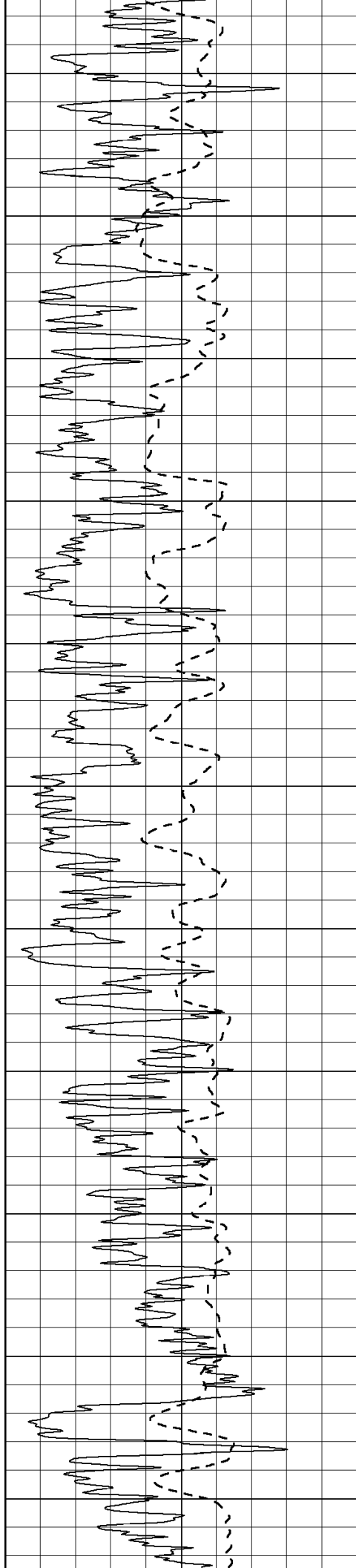
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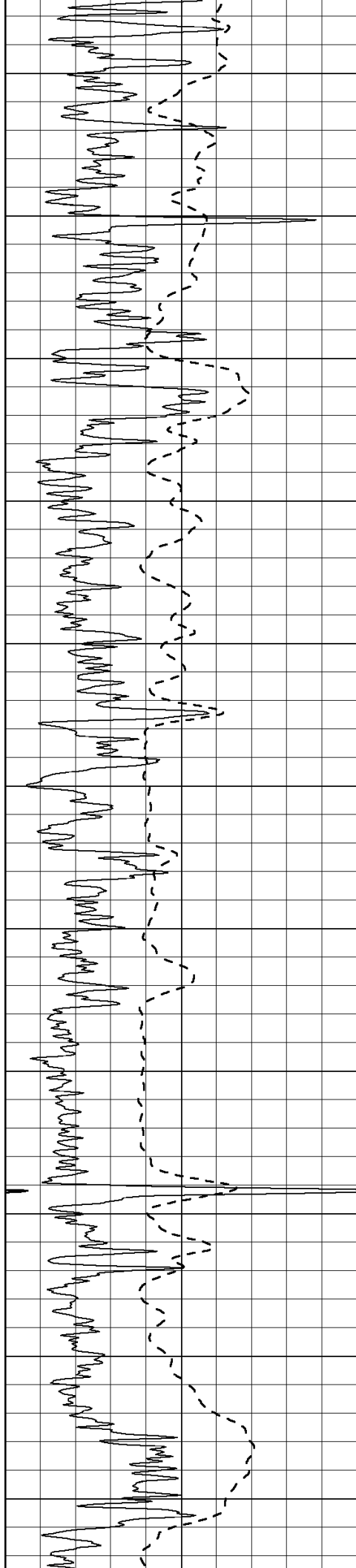
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3150

3200







3800

3850

3900

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4000

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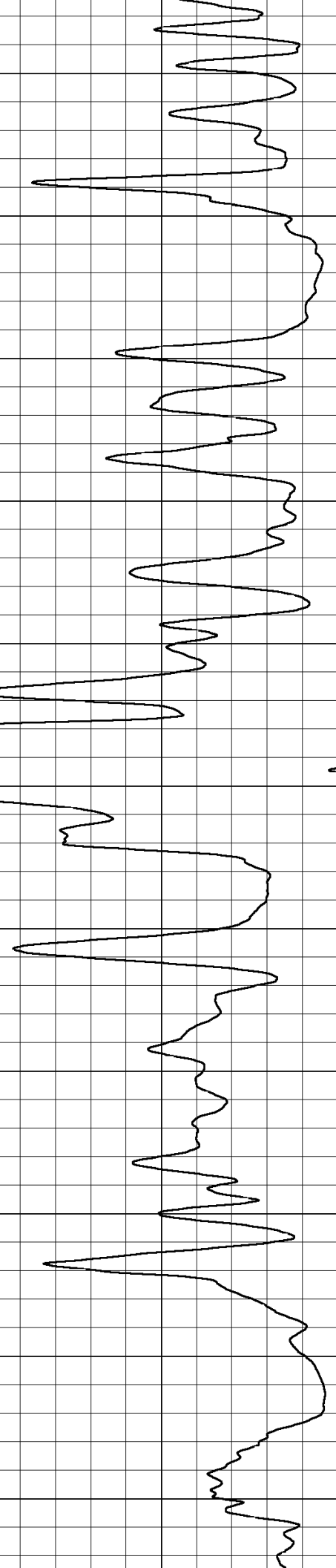
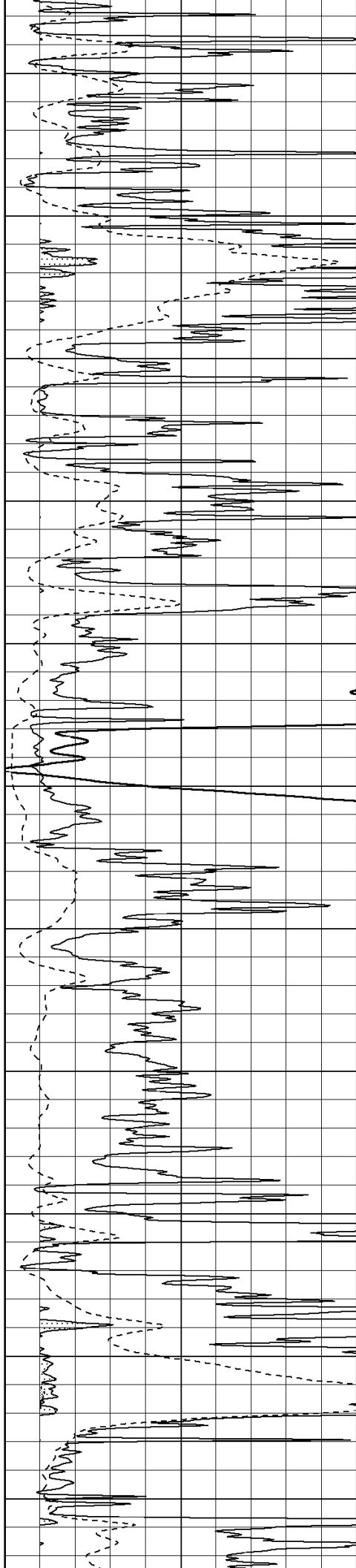
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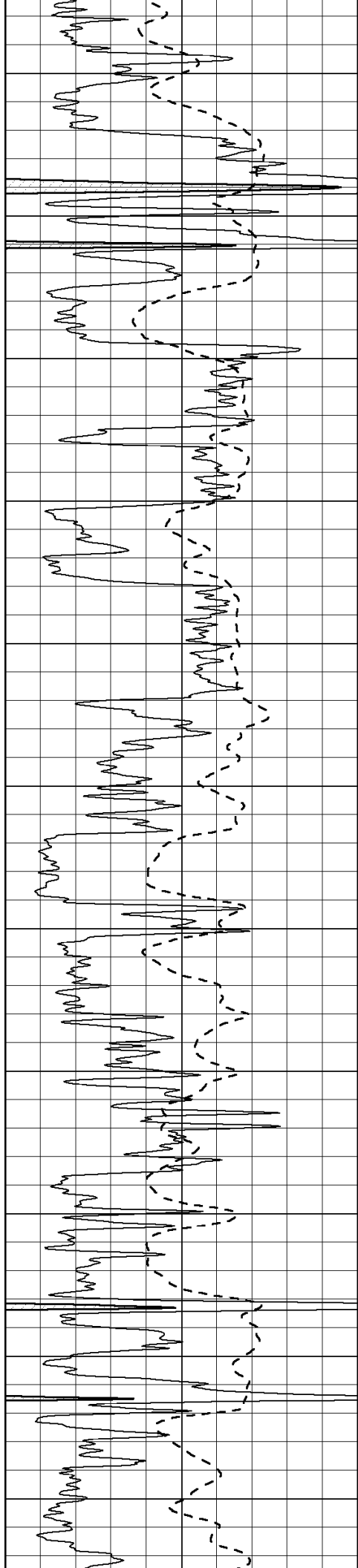
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4200

4250

4300





4350

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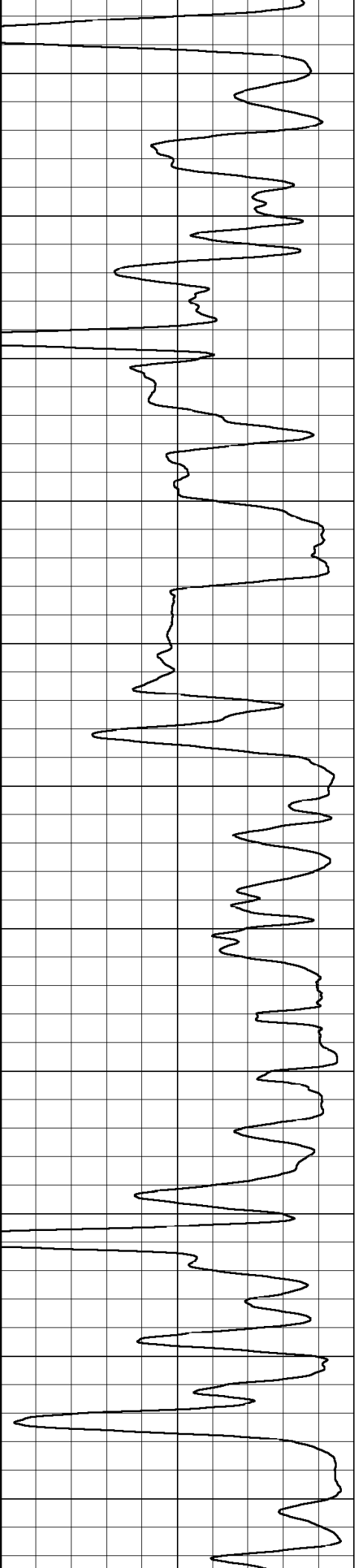
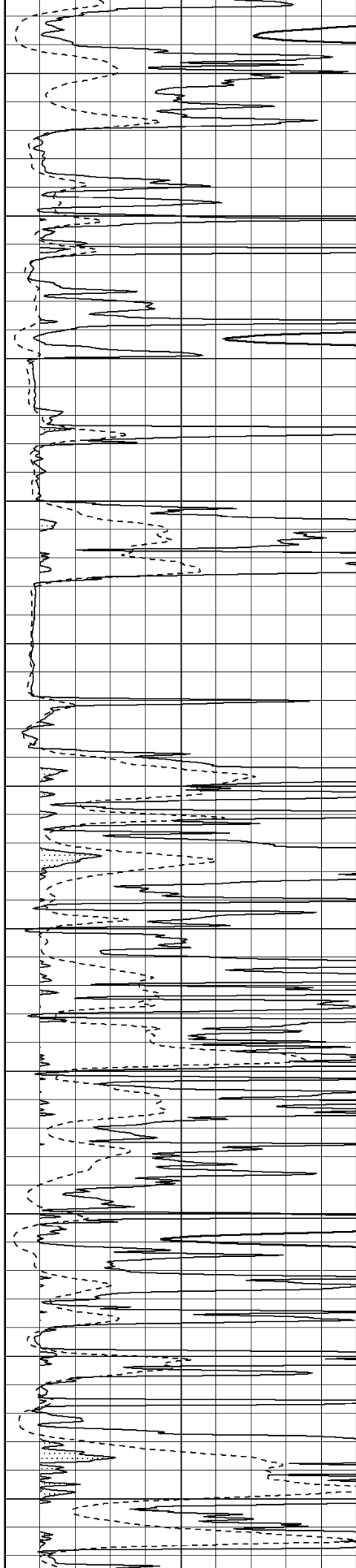
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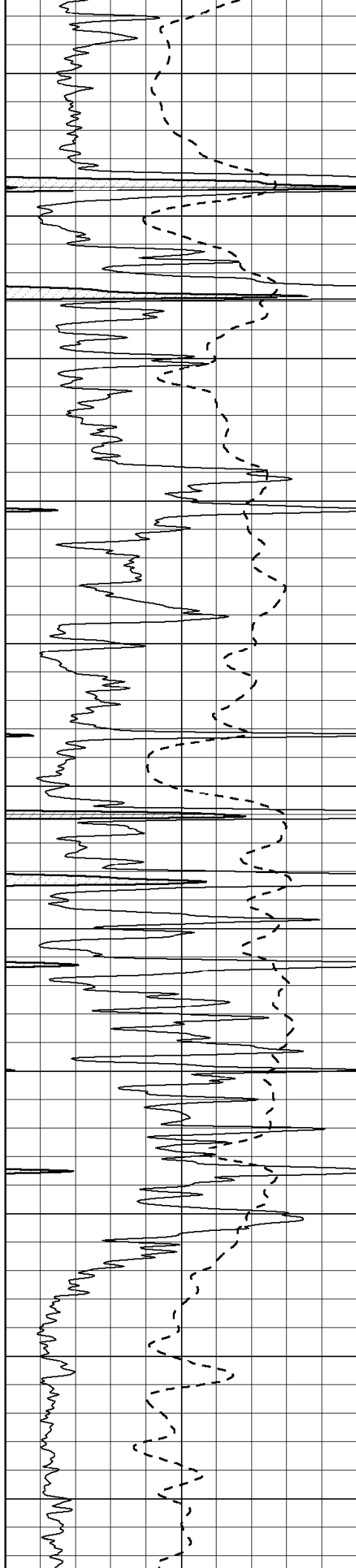
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5000

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5100

5150

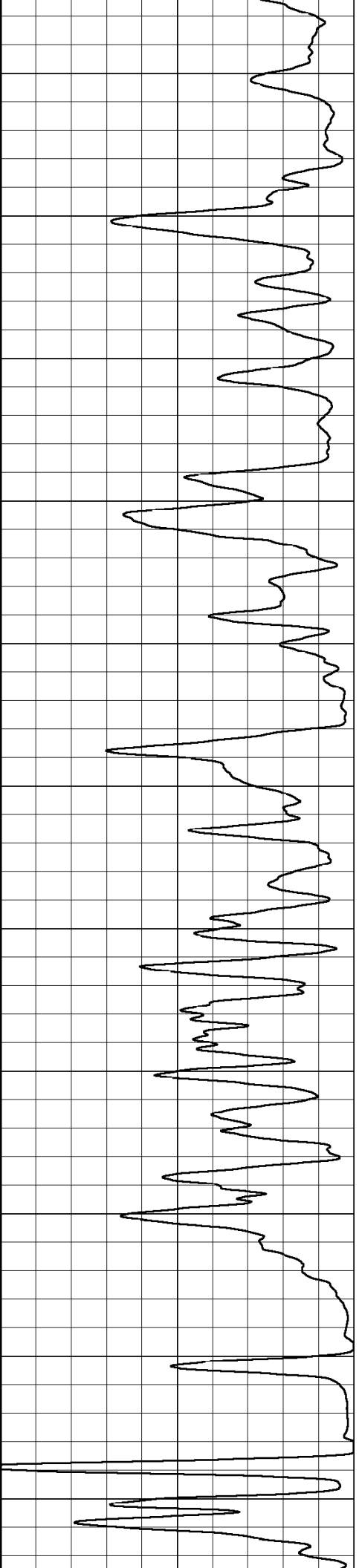
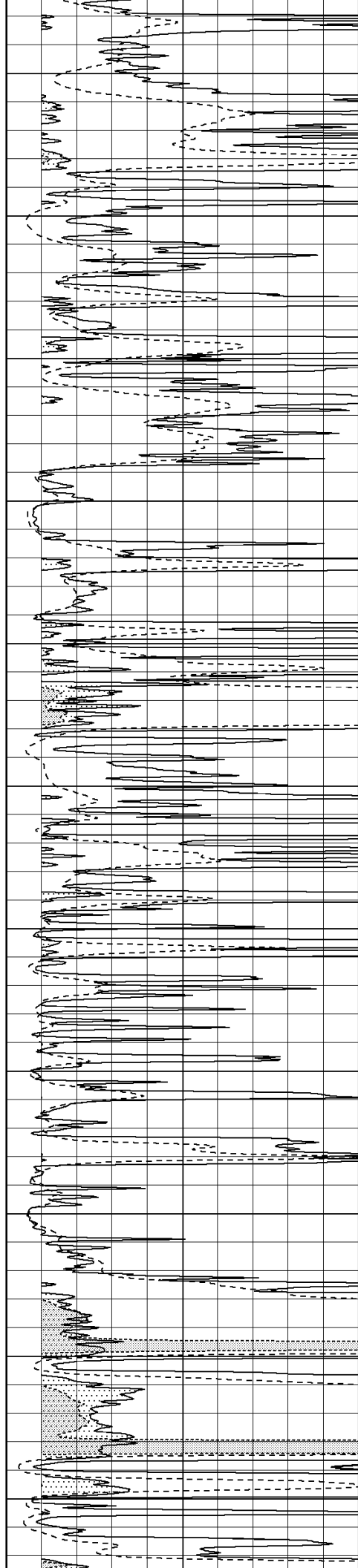
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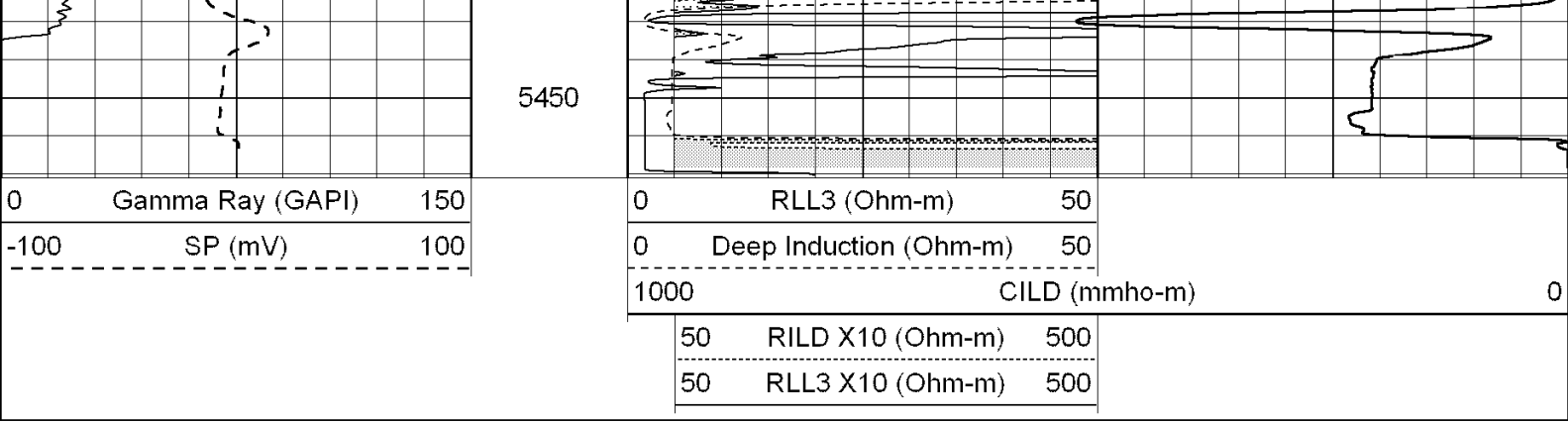
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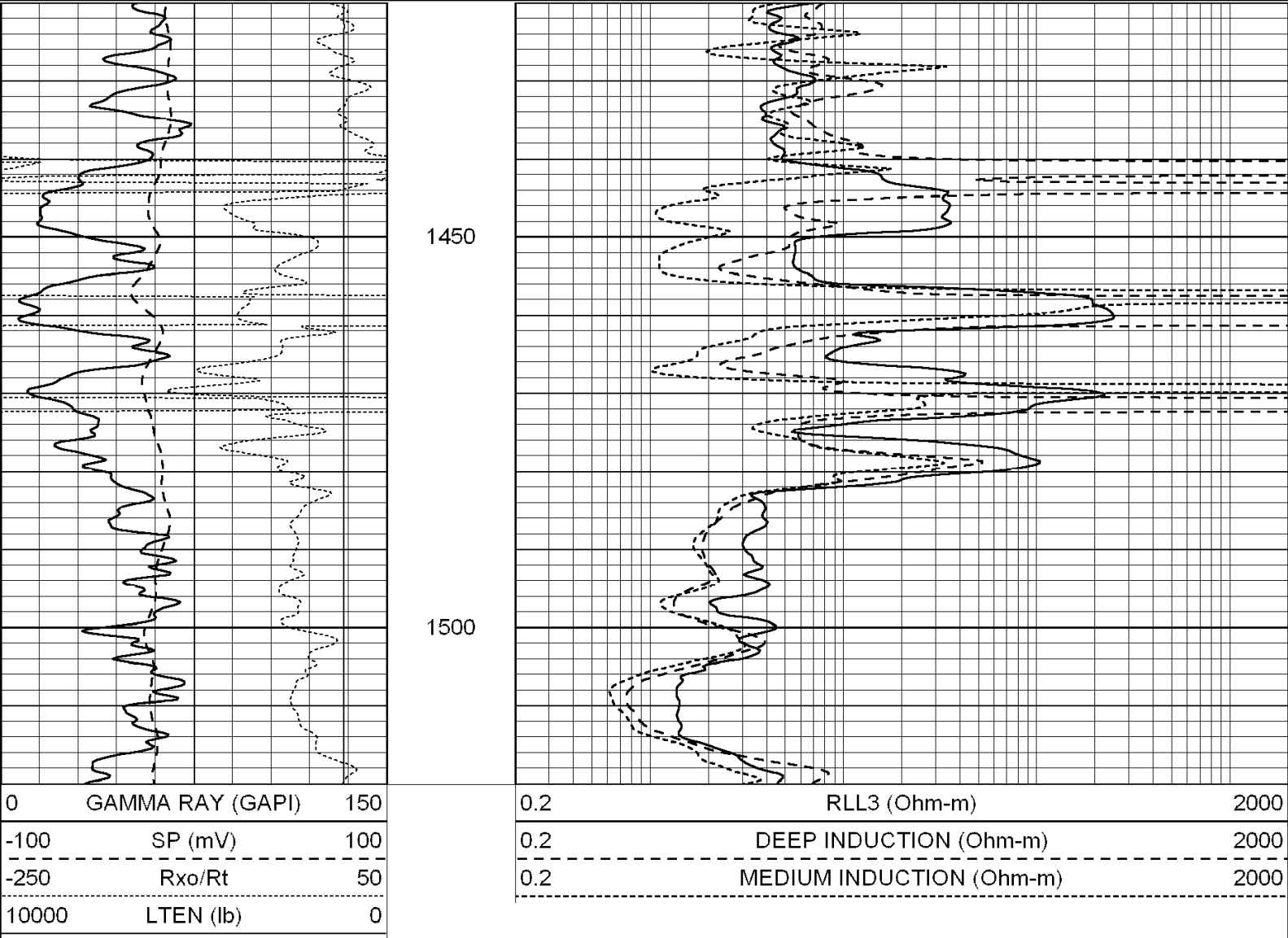
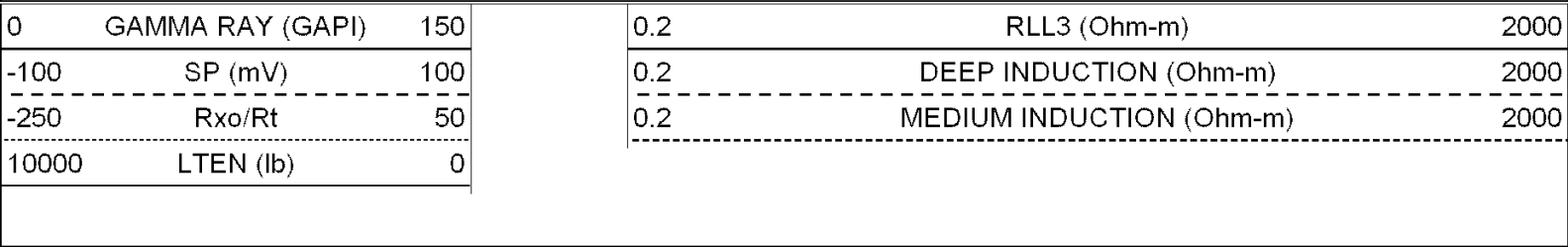
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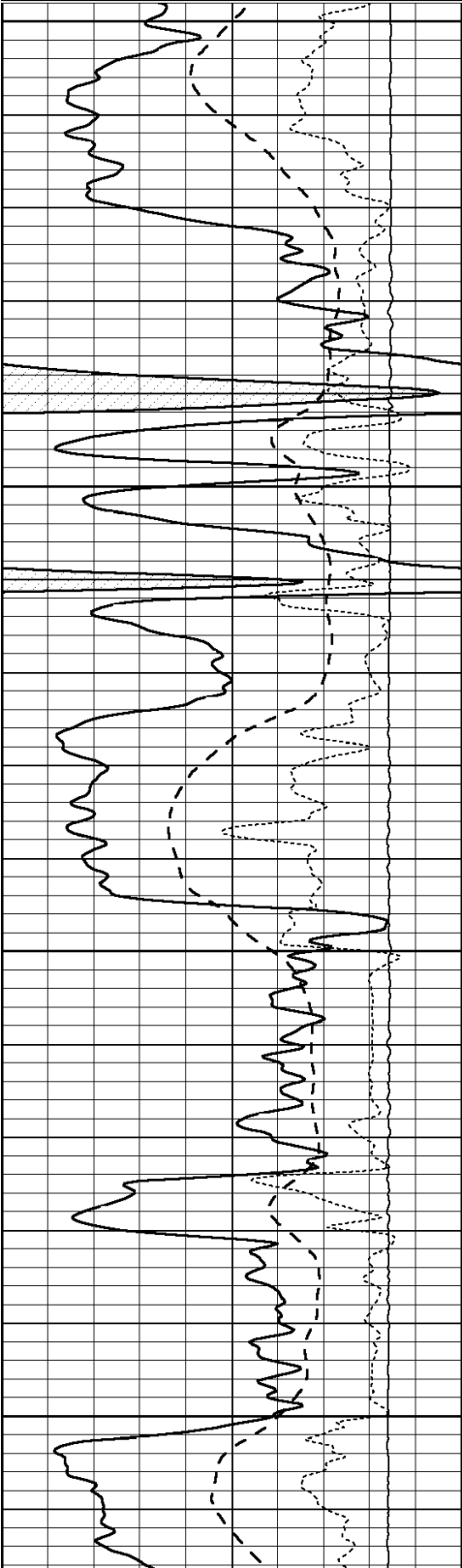
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Dataset Pathname:	pass6
Presentation Format:	_dil
Dataset Creation:	Wed Jan 28 00:52:19 2009 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240



Database File: 3190berexco.db
Dataset Pathname: pass6
Presentation Format: _dil
Dataset Creation: Wed Jan 28 00:52:19 2009 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
10000	LTEN (lb)	0

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

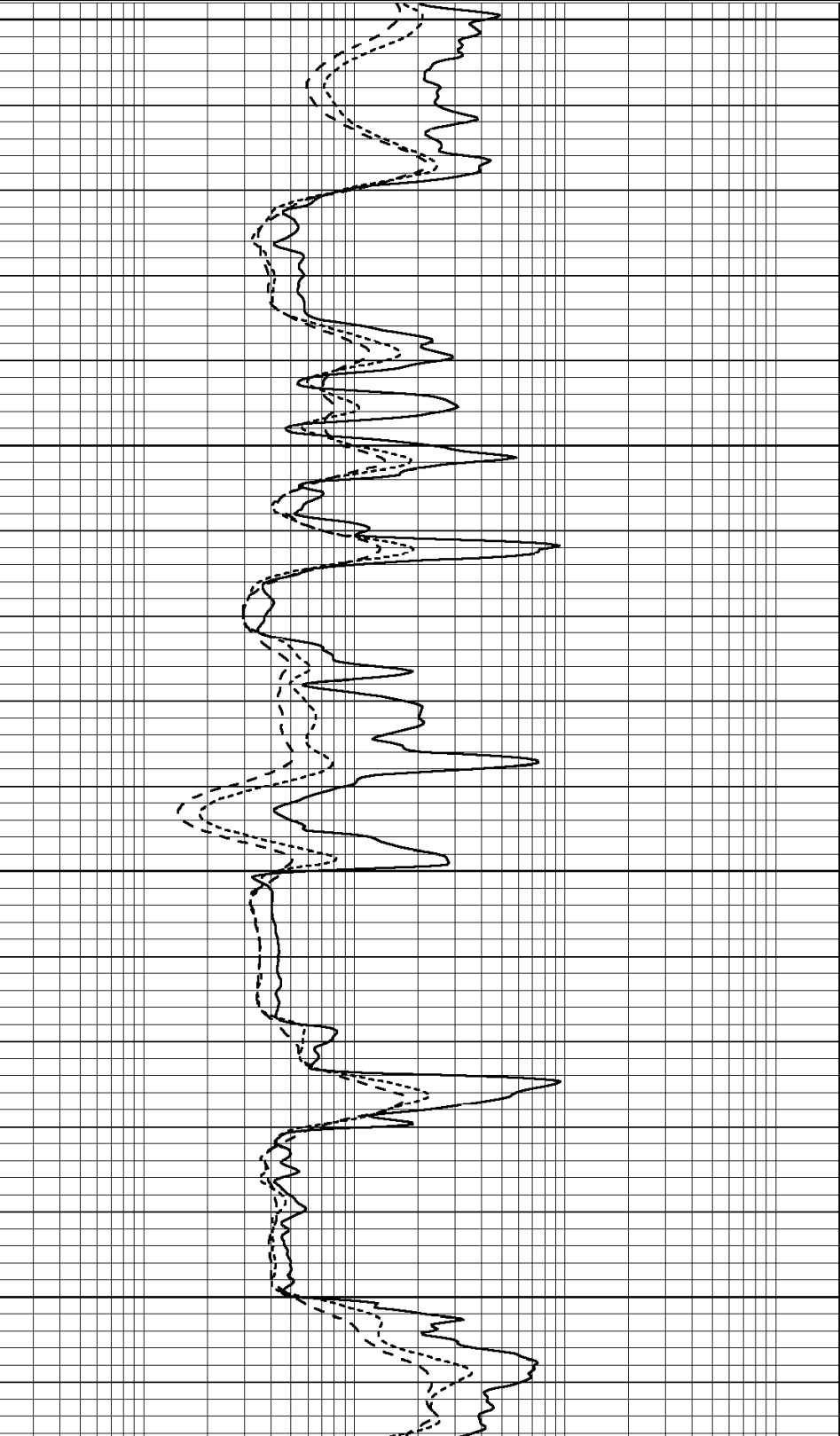


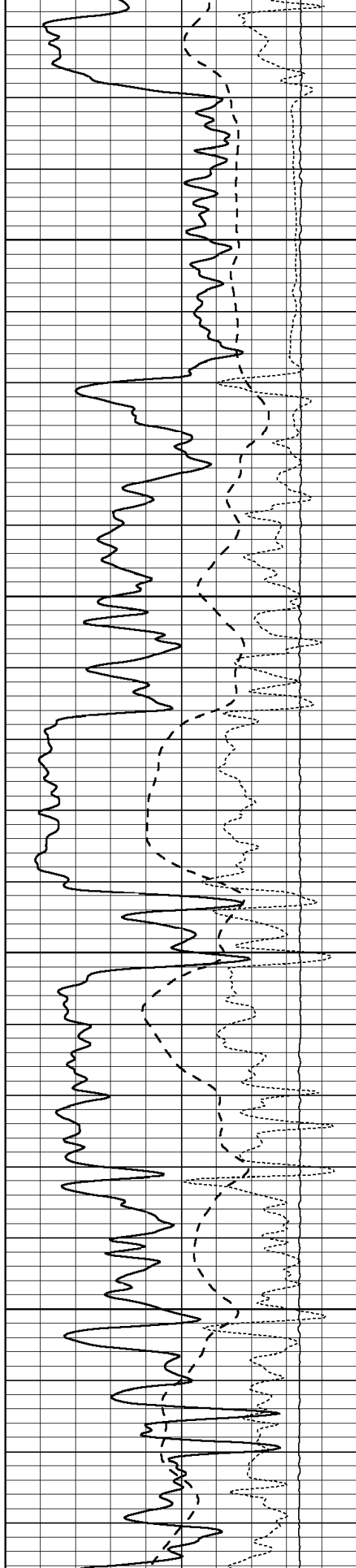
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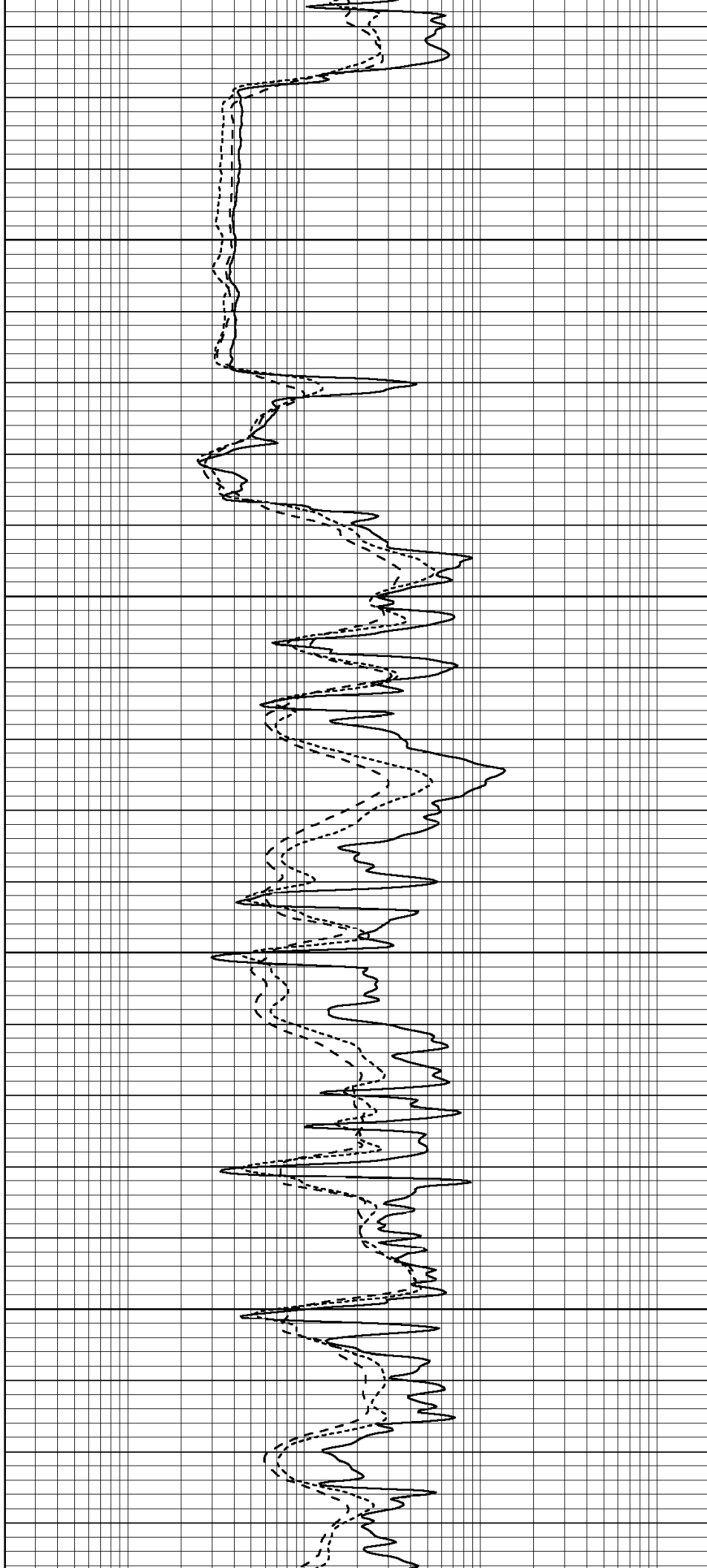


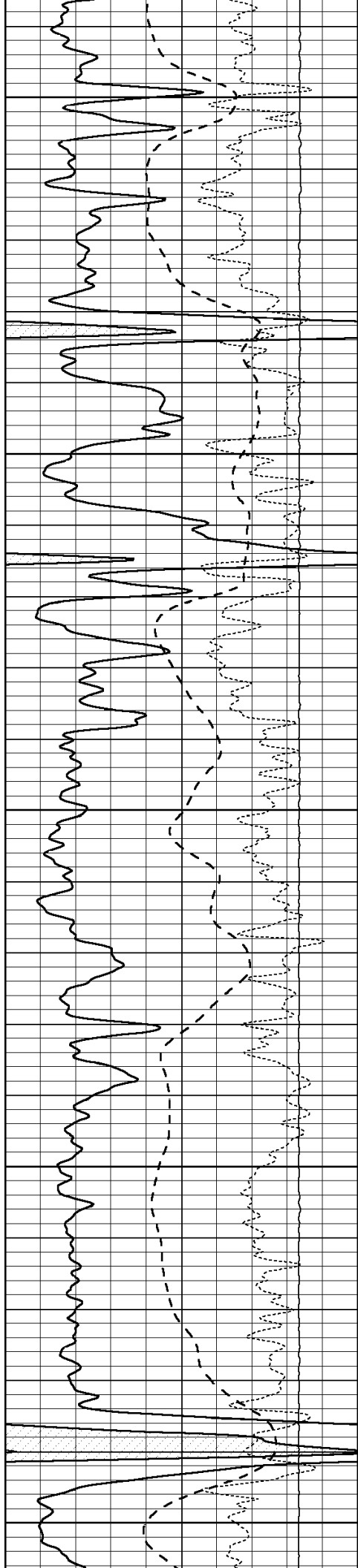
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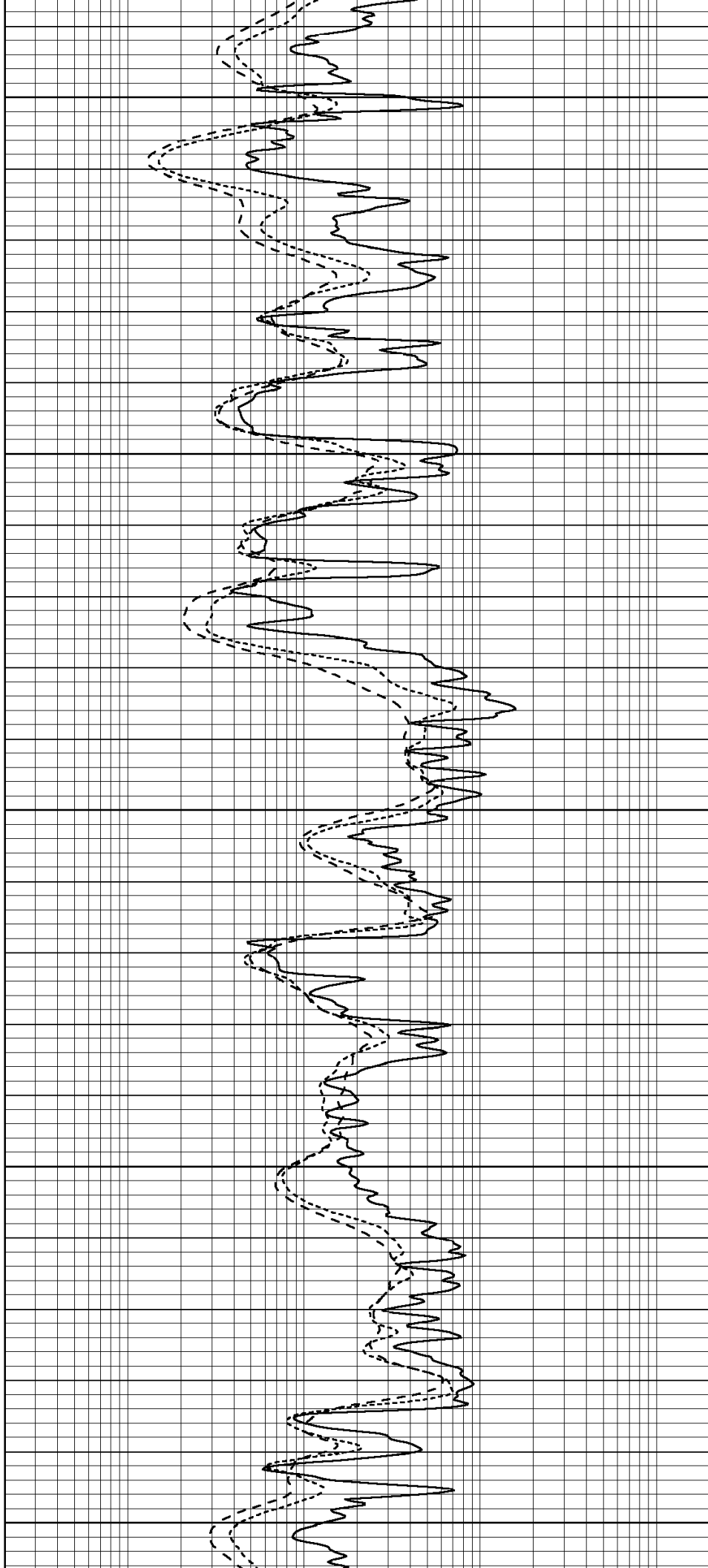
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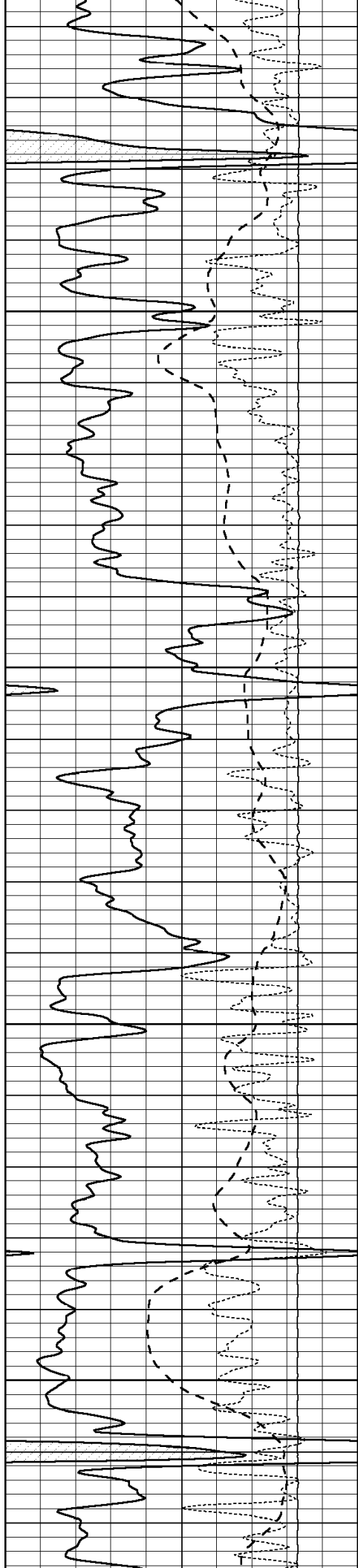
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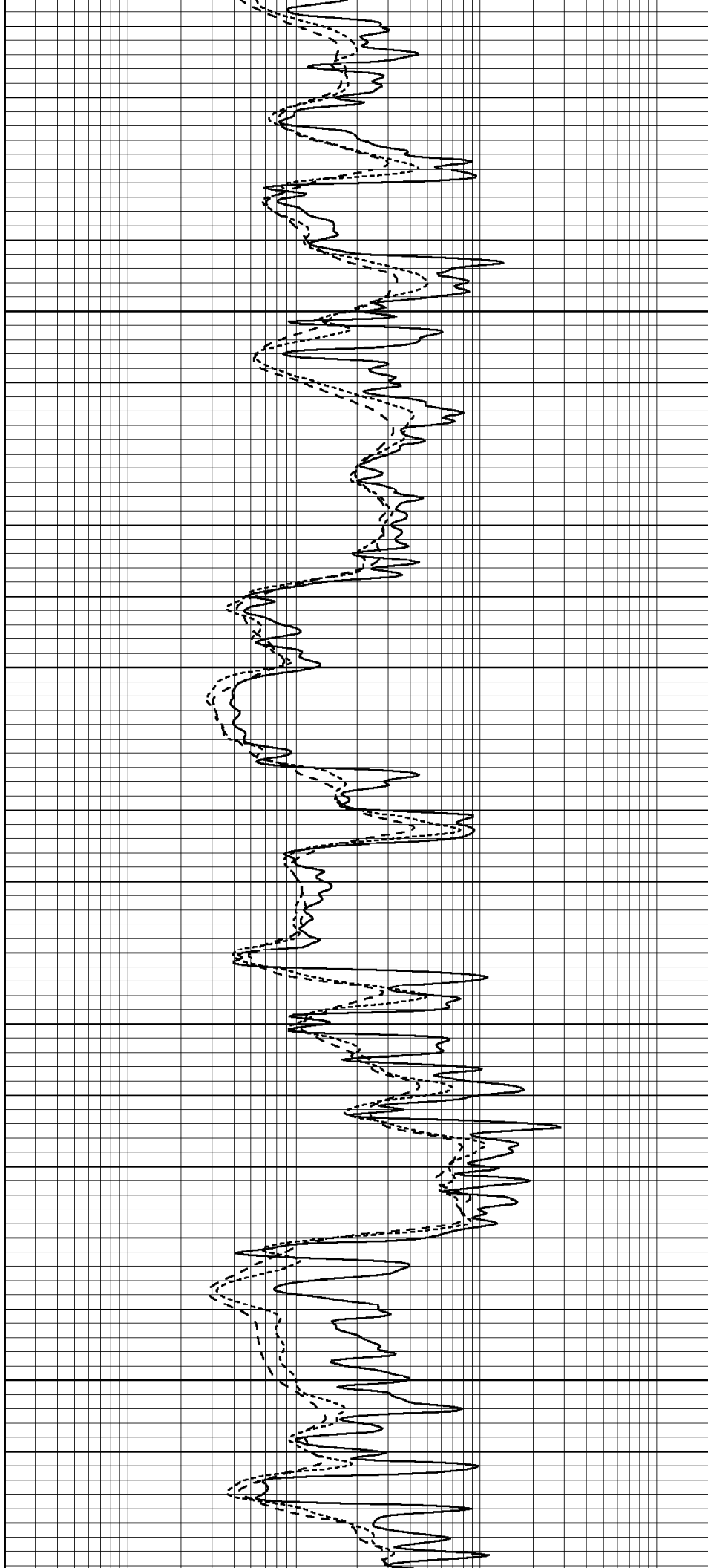


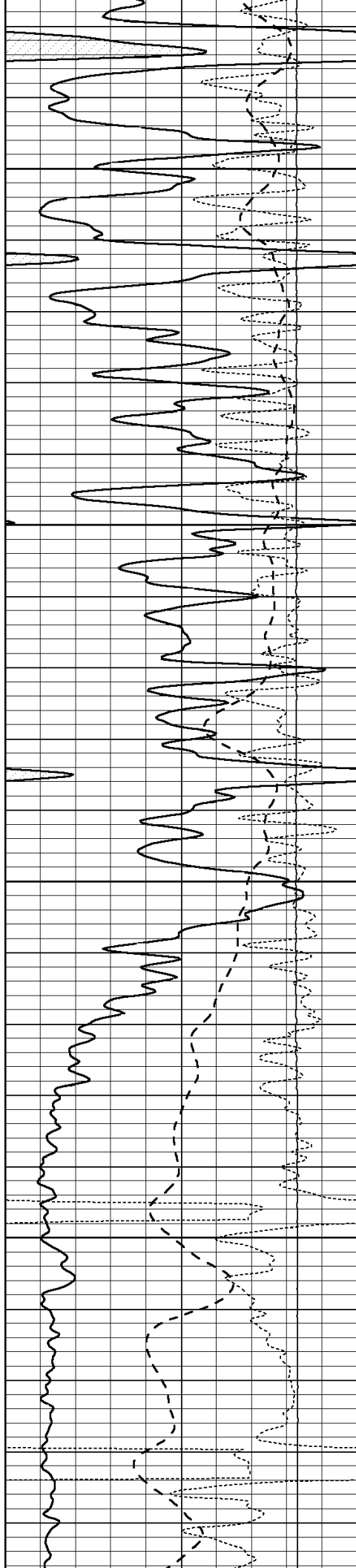
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5050

5100

5150



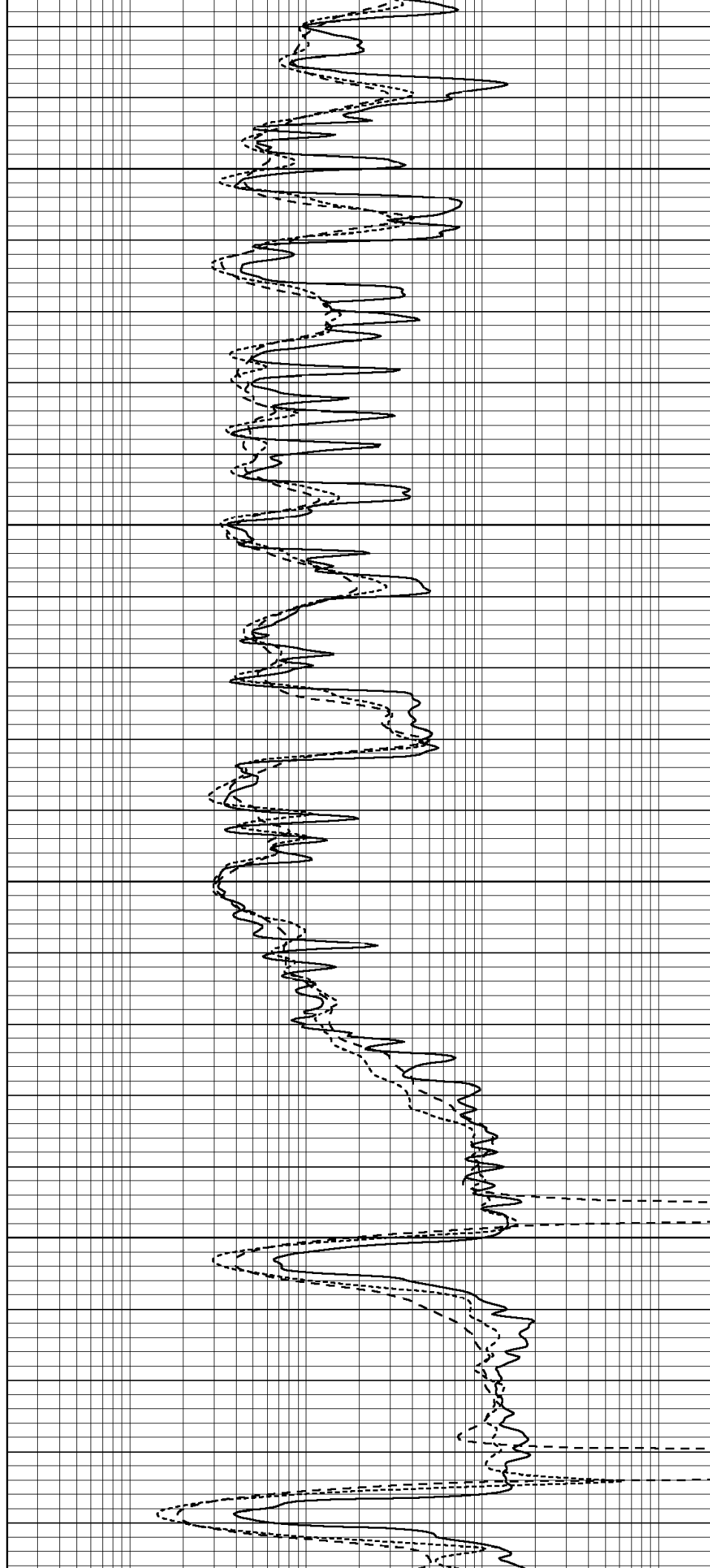


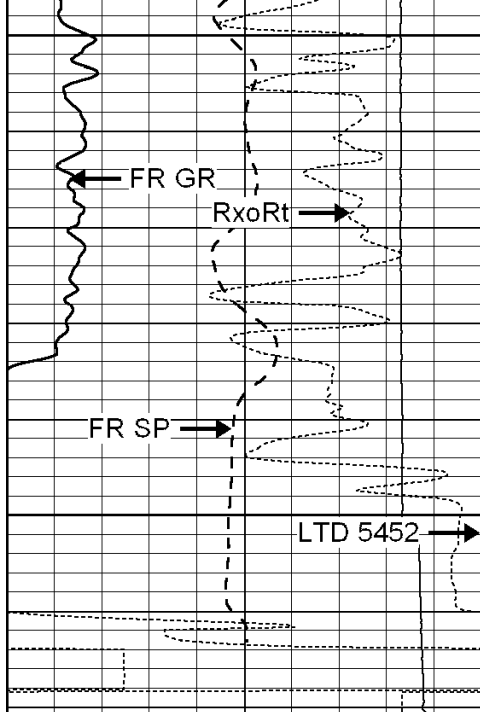
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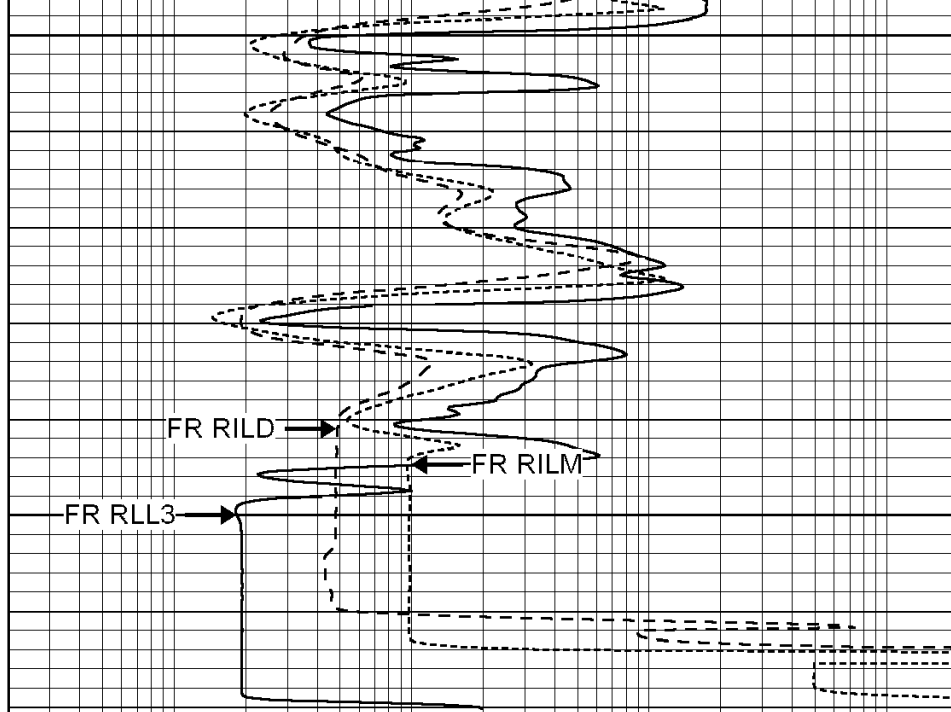




0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
10000	LTEN (lb)	0

5400

5450



0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



SUPERIOR
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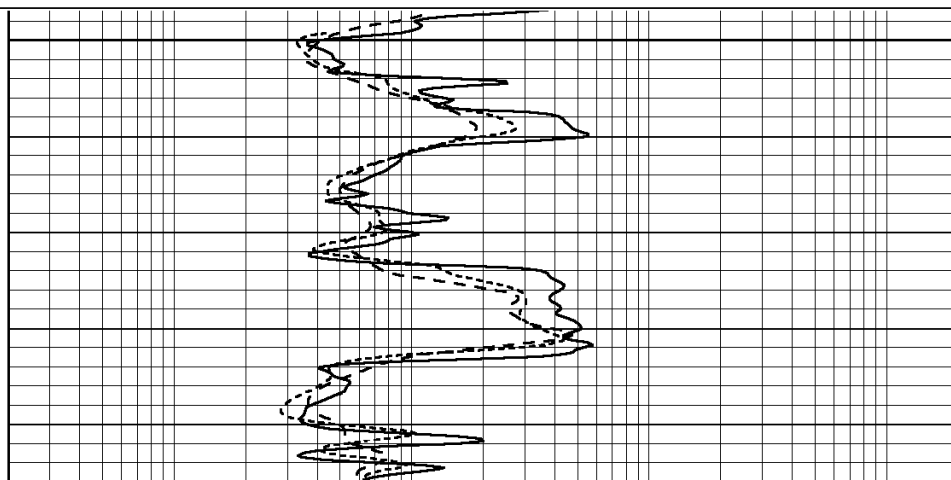
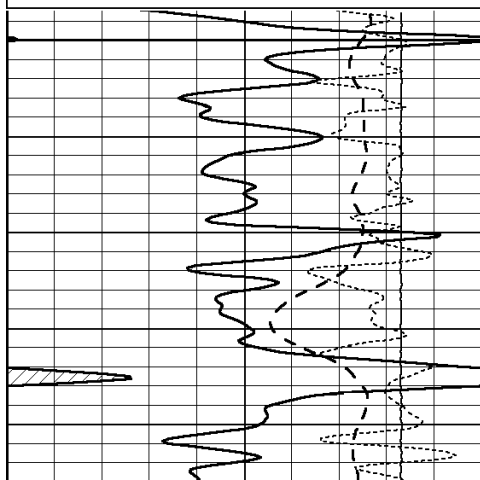
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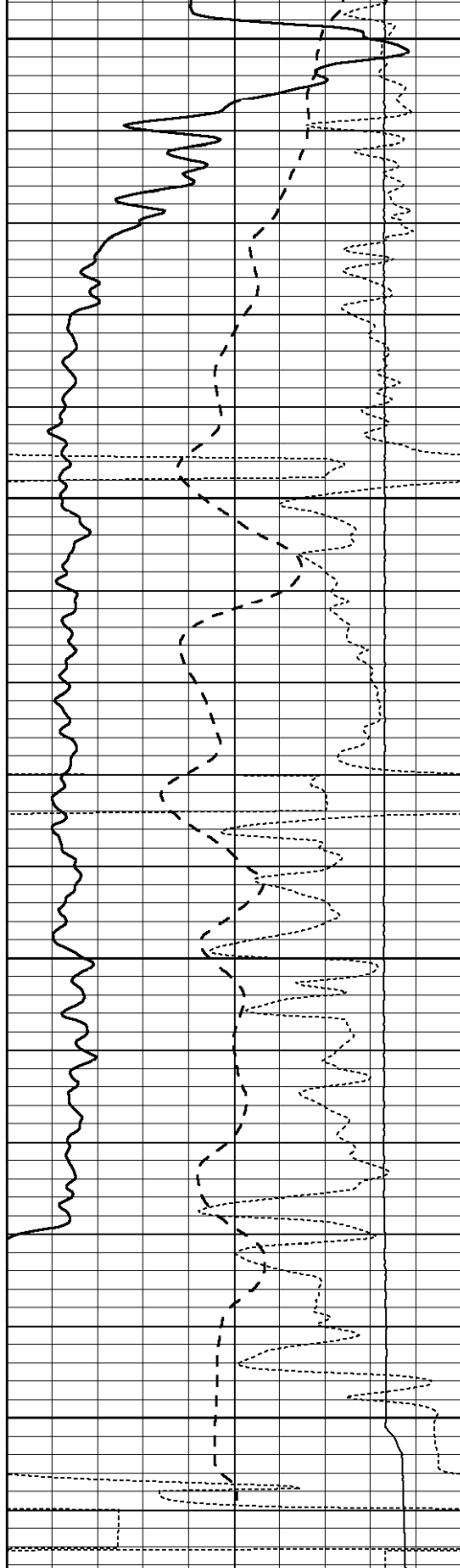
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 Dataset Pathname: pass4
 Presentation Format: _dil
 Dataset Creation: Wed Jan 28 00:18:53 2009 by Log Open-Cased 070814
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
10000	LTEN (lb)	0

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

5250





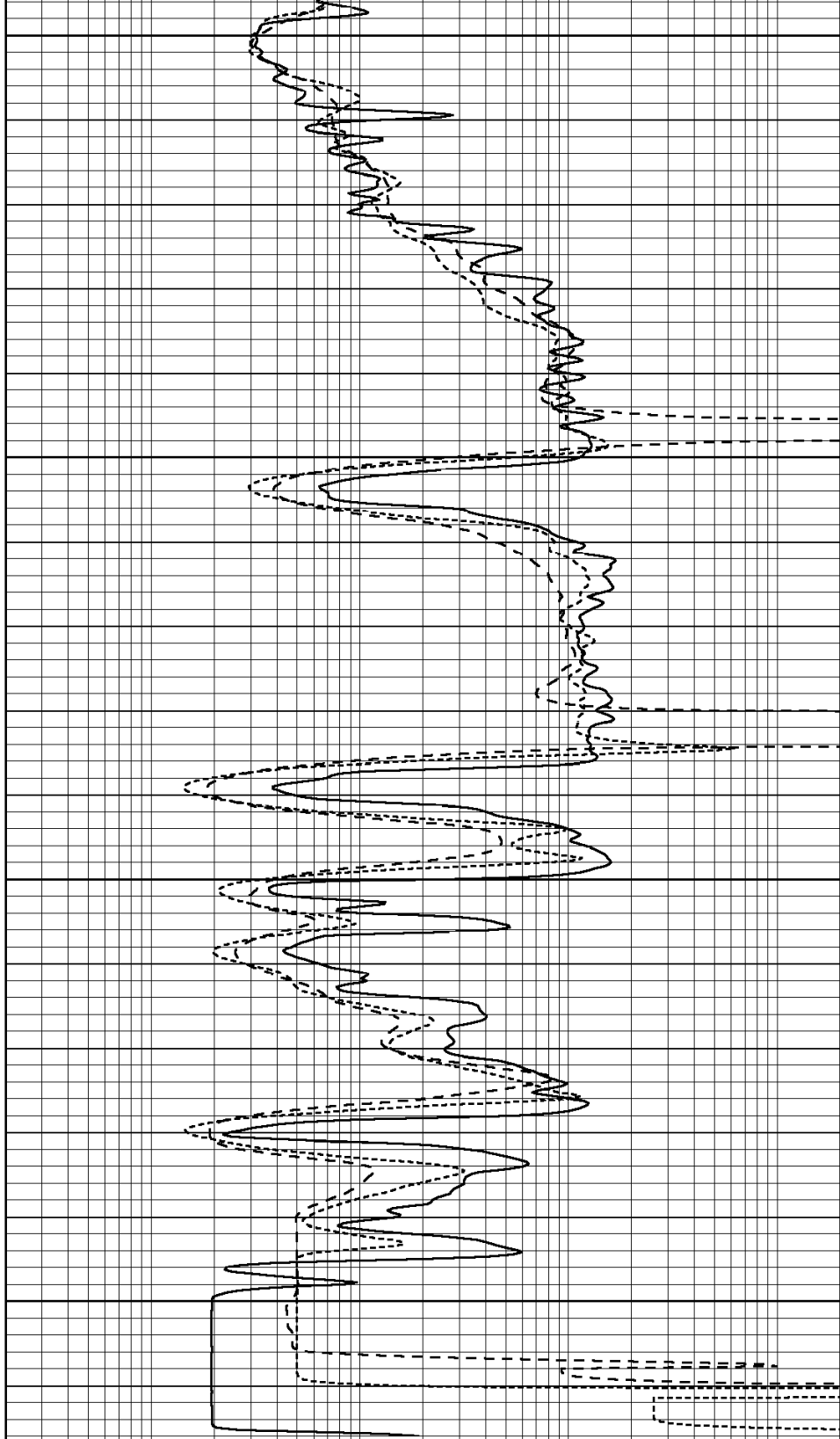
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-100	SP (mV)	100
-250	Rxo/Rt	50
10000	LTEN (lb)	0

5300

5350

5400

5450



0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Calibration Report

Database File: 3190berexco.db
 Dataset Pathname: pass5
 Dataset Creation: Wed Jan 28 00:37:11 2009 by Log 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	605.128	-17.682
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		
		-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: 001 Model: PRB
 Performed Mon Jul 02 08:27:41 2007

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2174.9	9788.1	3812.3	11324.7	cps
Window 2	2030.7	8587.5	3443.0	9809.6	cps
Window 3	1666.7	4844.5	2341.2	5358.6	cps
Window 4	493.8	497.1	495.0	491.9	cps
Long Space	0.0	6556.8	1412.3	7778.9	cps
Short Space	4.7	2134.8	1399.2	2419.3	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.6	Rib Slope	: 0.987	Density/Spine Ratio	: 0.553
Spine Angle	: 74.6	Spine Slope	: 3.634	Spine Intercept	: -19.1

Caliper

	Readings	Reference	
Low Ref	3.1	8.4	
High Ref	4.3	14.3	
Gain: 4.6			Offset: -7.9

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:		GR6				
Tool Model:		OPEN				
Performed:		Thu Jan 24 17:24:37 2008				
Calibrator Value:		150.0	GAPI			
Background Reading:		0.0	cps			
Calibrator Reading:		350.0	cps			
Sensitivity:		0.5586	GAPI/cps			