



**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company	ANDERSON ENERGY, INC.		
Well	DUGAN FAMILY PARTNERSHIP #1		
Field	WILDCAT		
County	SEDGWICK	State	KANSAS
Location:	API # : 15-173-21029-00-00 330' FNL & 990' FEL NW - NE - NE		Other Services CNL/CDL SONIC
Permanent Datum	SEC 23	TWP 29S	RGE 1W
Log Measured From	GROUND LEVEL		Elevation 1279
Drilling Measured From	KELLY BUSHING 10' A.G.L.		K.B. 1289 D.F. 1287 G.L. 1279
Date	10/16/13		
Run Number	ONE		
Depth Driller	3537		
Depth Logger	3539		
Bottom Logged Interval	3537		
Top Log Interval	00		
Casing Driller	8 5/8 @ 266		13 3/8 @ 127
Casing Logger	268		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,500 PPM	
Density / Viscosity	9.5 / 50		
pH / Fluid Loss	9.0 / 8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.24 @ 85F		
Rmf @ Meas. Temp	0.18 @ 85F		
Rmc @ Meas. Temp	0.29 @ 85F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.18 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	112F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	ROGER MARTIN		
	TOM ANDERSON		

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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

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: WICHITA, KS. - HWY 54 & MERIDIAN SOUTH 11 MILES TO W 95TH ST. S - WEST 1 1/4 SOUTH

0 Gamma Ray (GAPI) 150

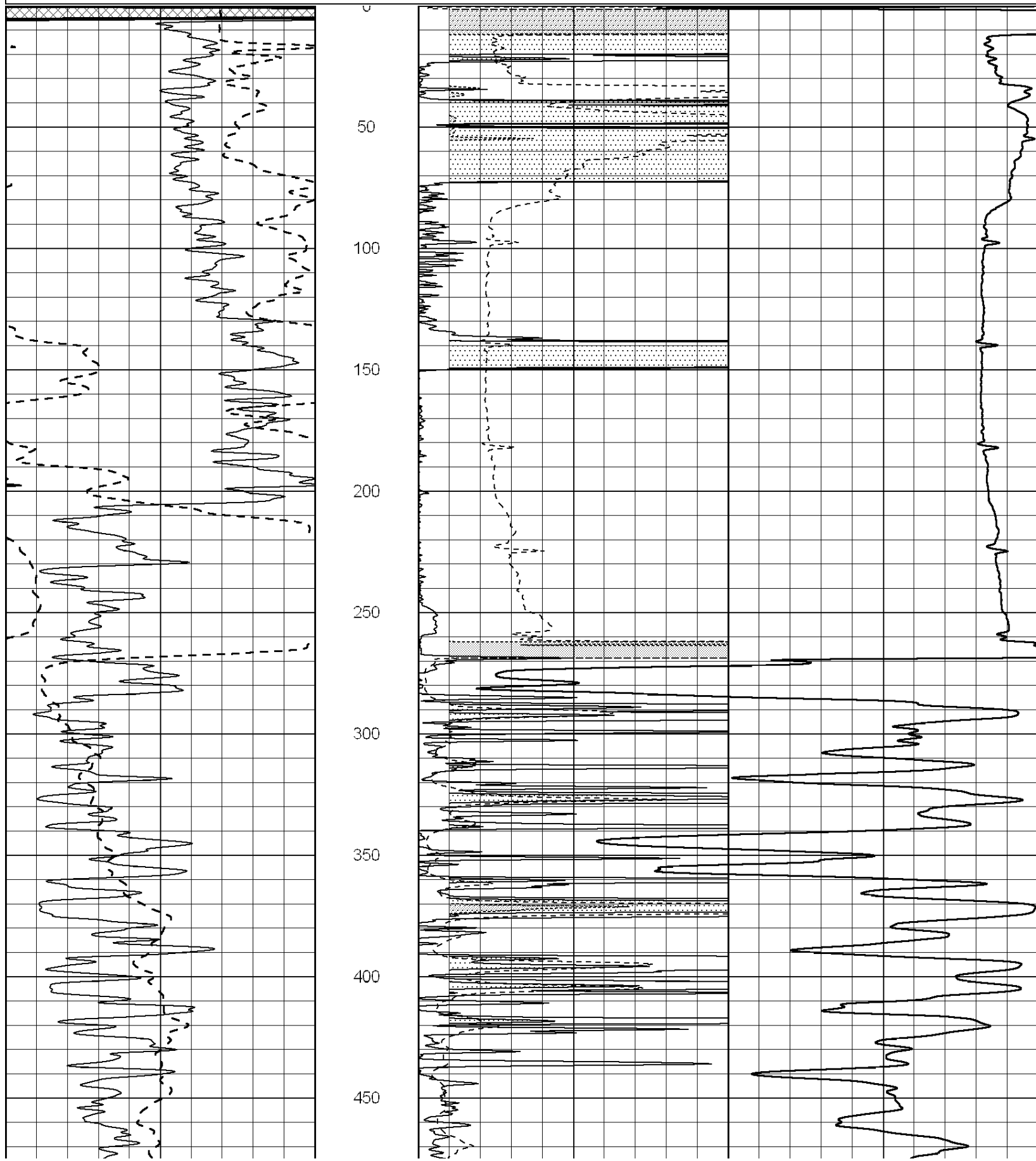
0 RLL3 (Ohm-m) 50

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

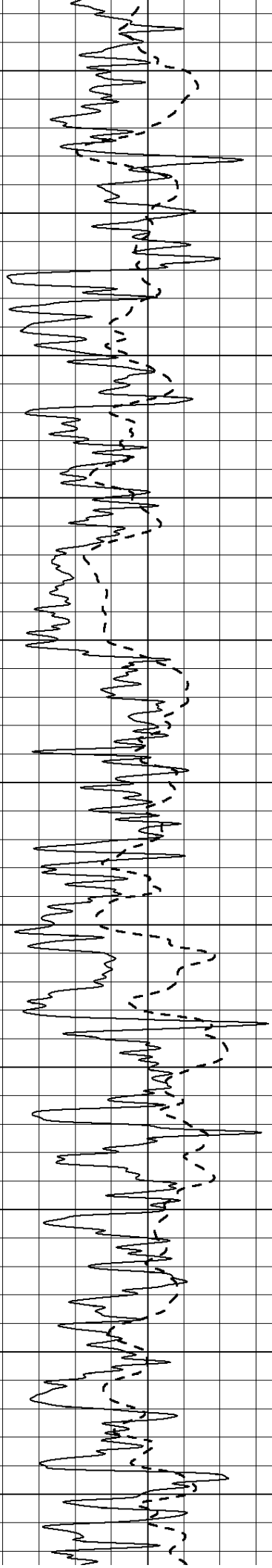
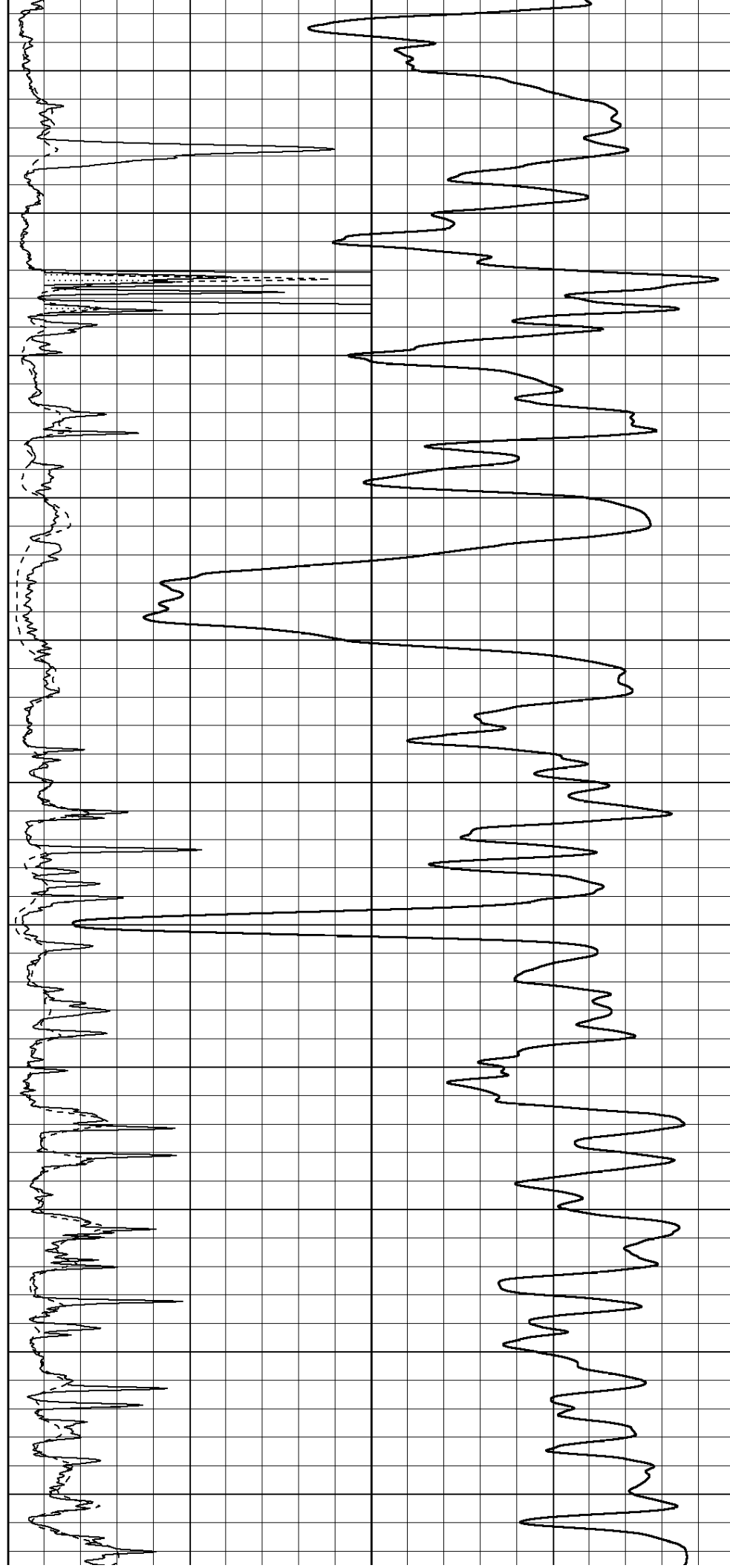
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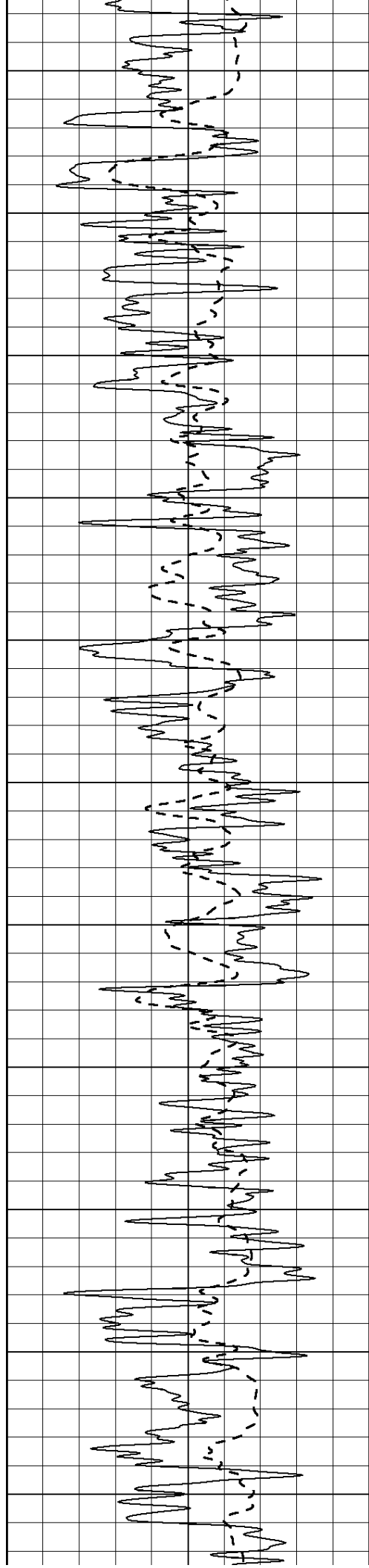
850

900

950

1000





1050

1100

1150

1200

1250

1300

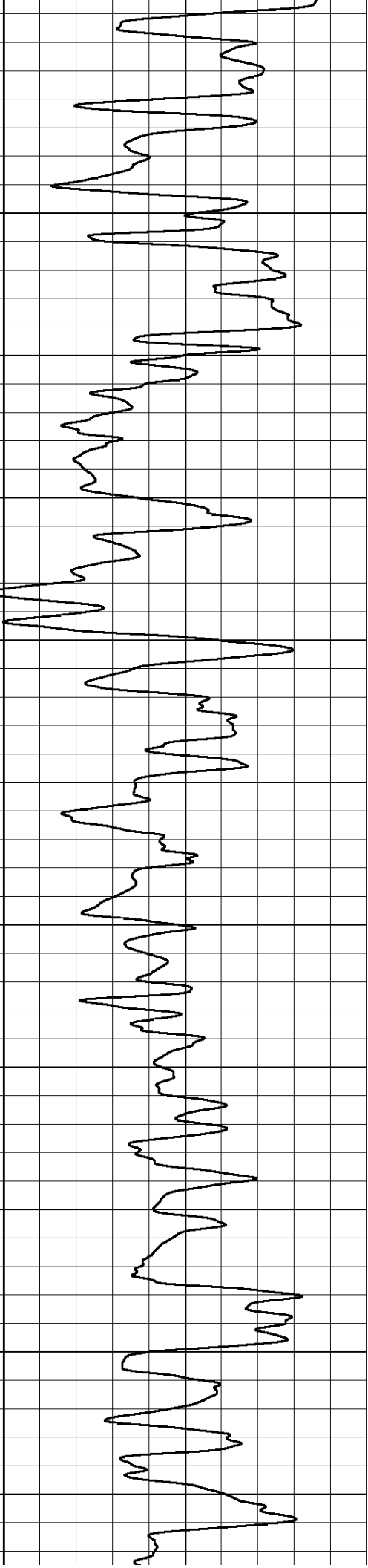
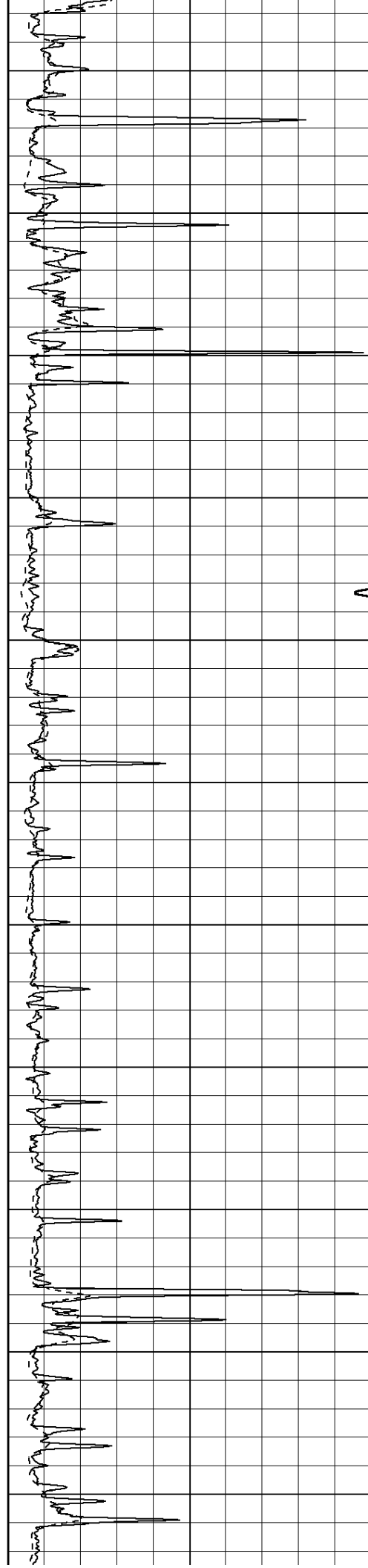
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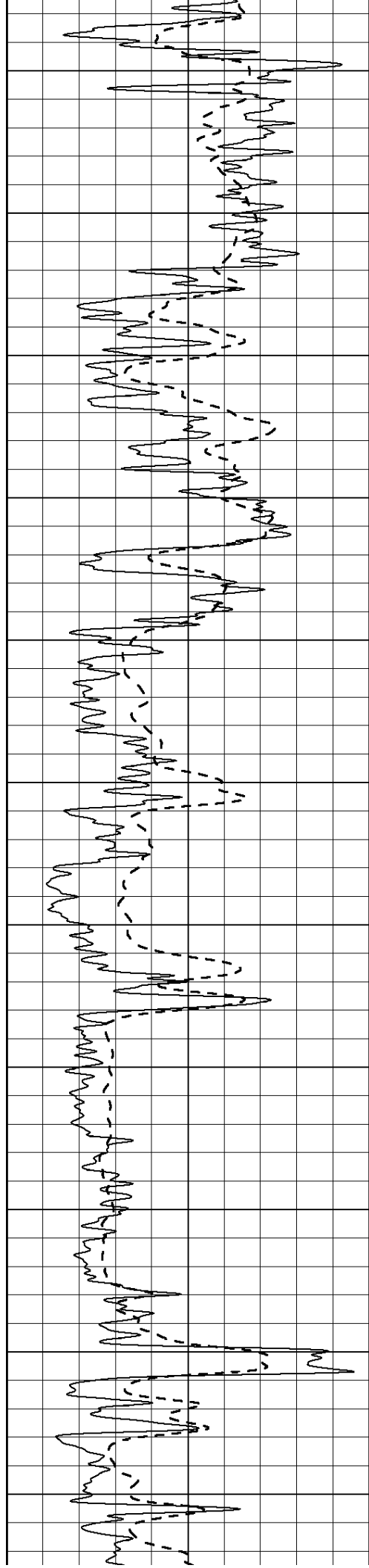
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1450

1500

1550





1600

1650

1700

1750

1800

1850

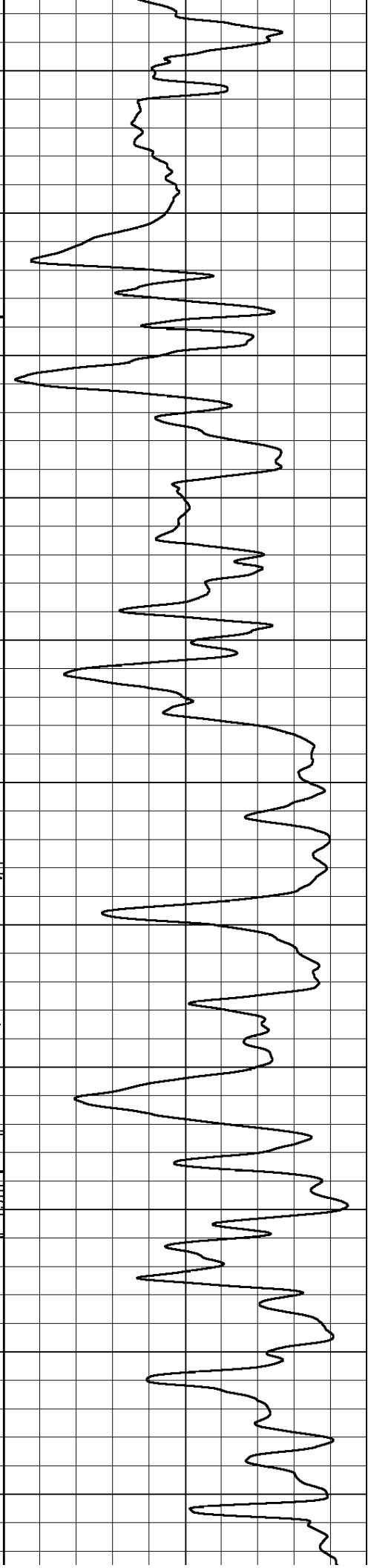
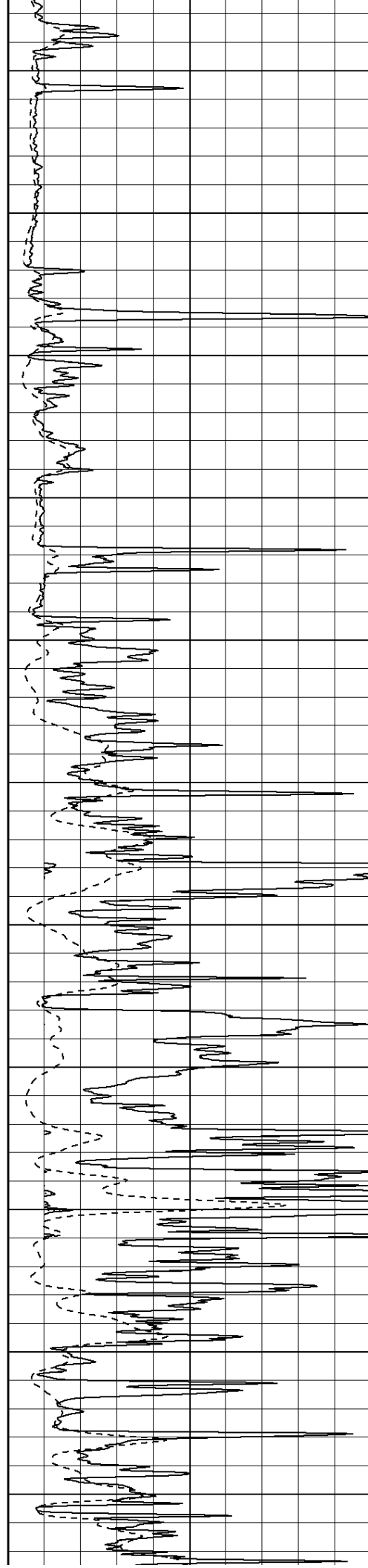
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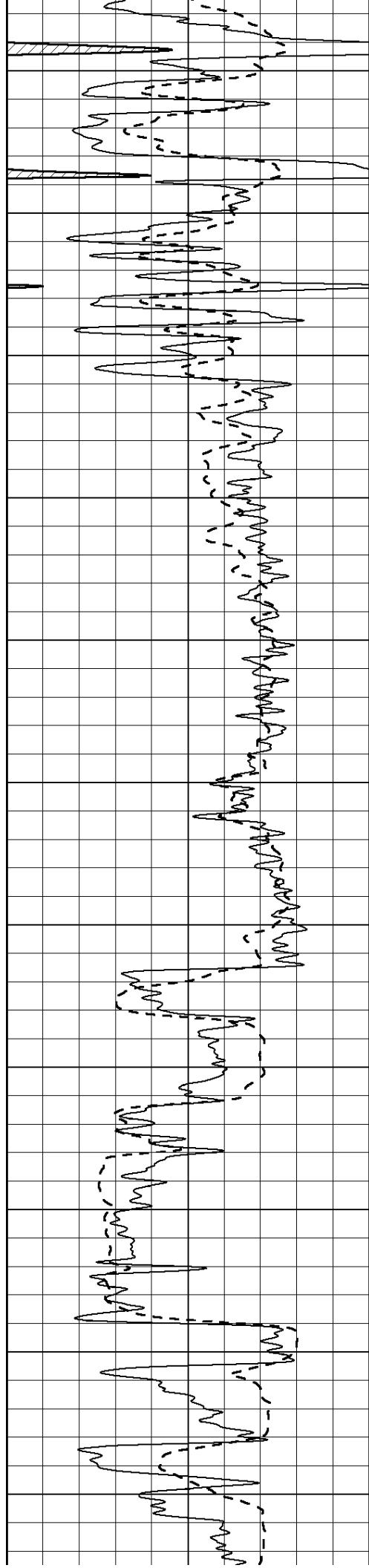
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2000

2050

2100





2150

2200

2250

2300

2350

2400

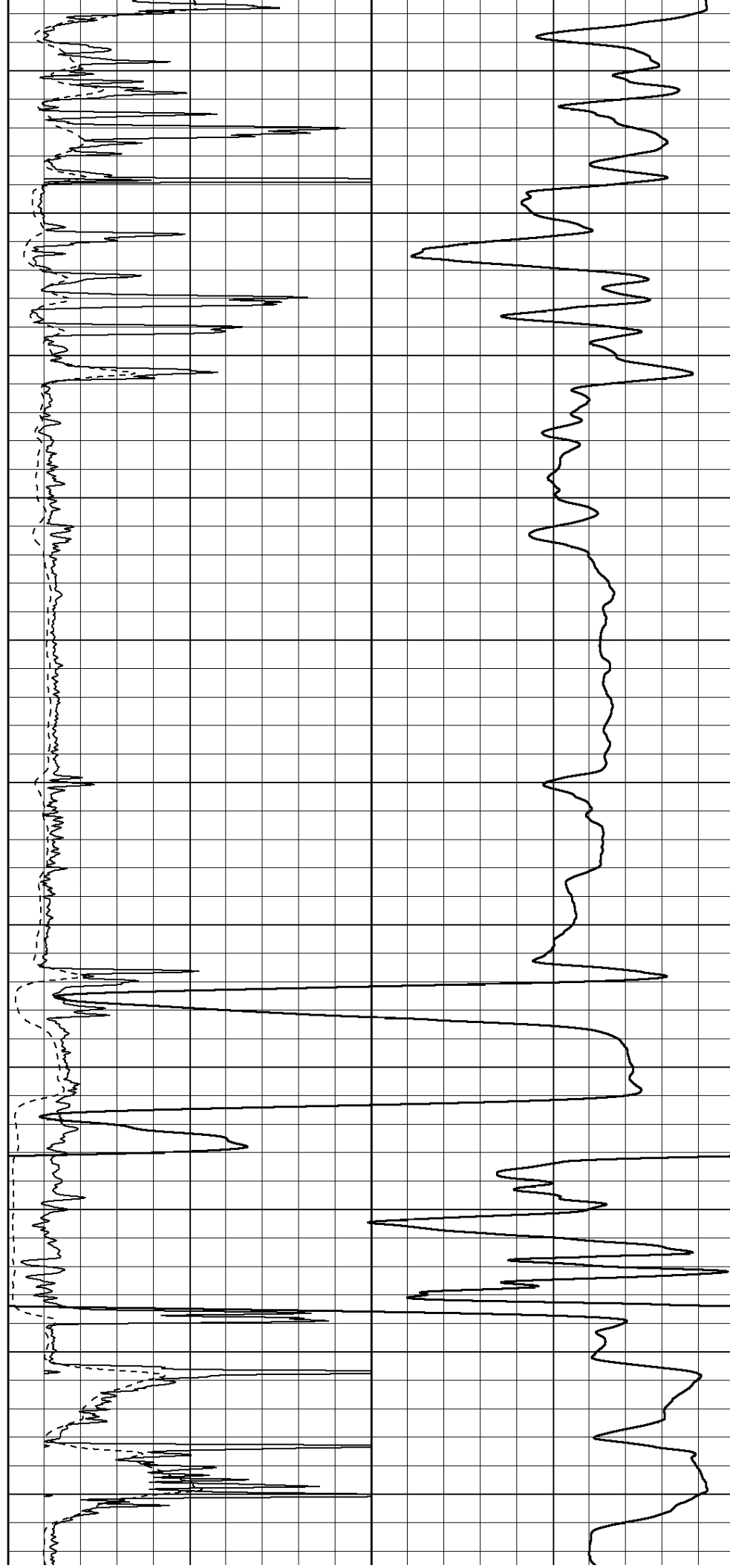
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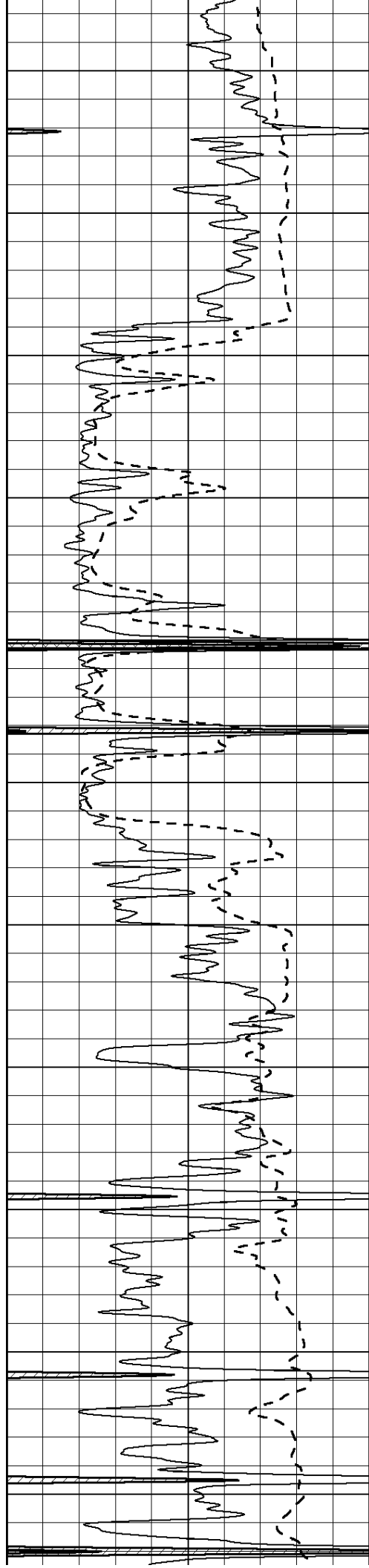
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2550

2600

2650





2700

2750

2800

2850

2900

2950

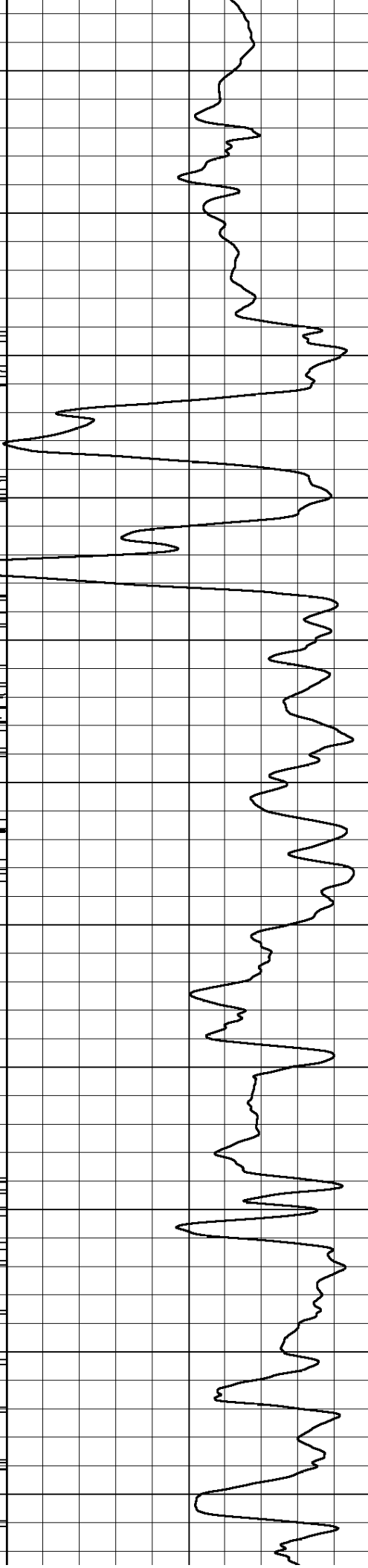
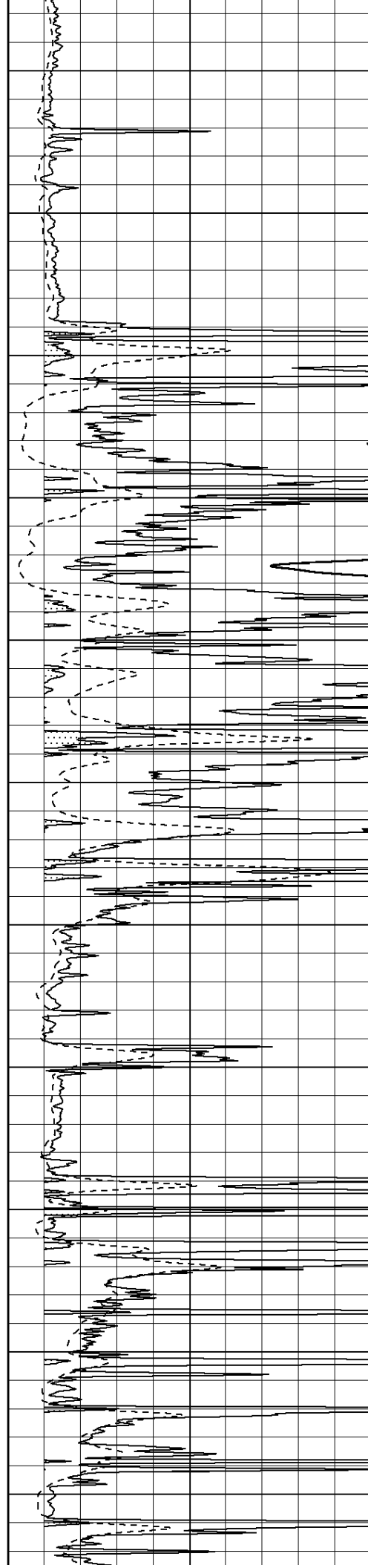
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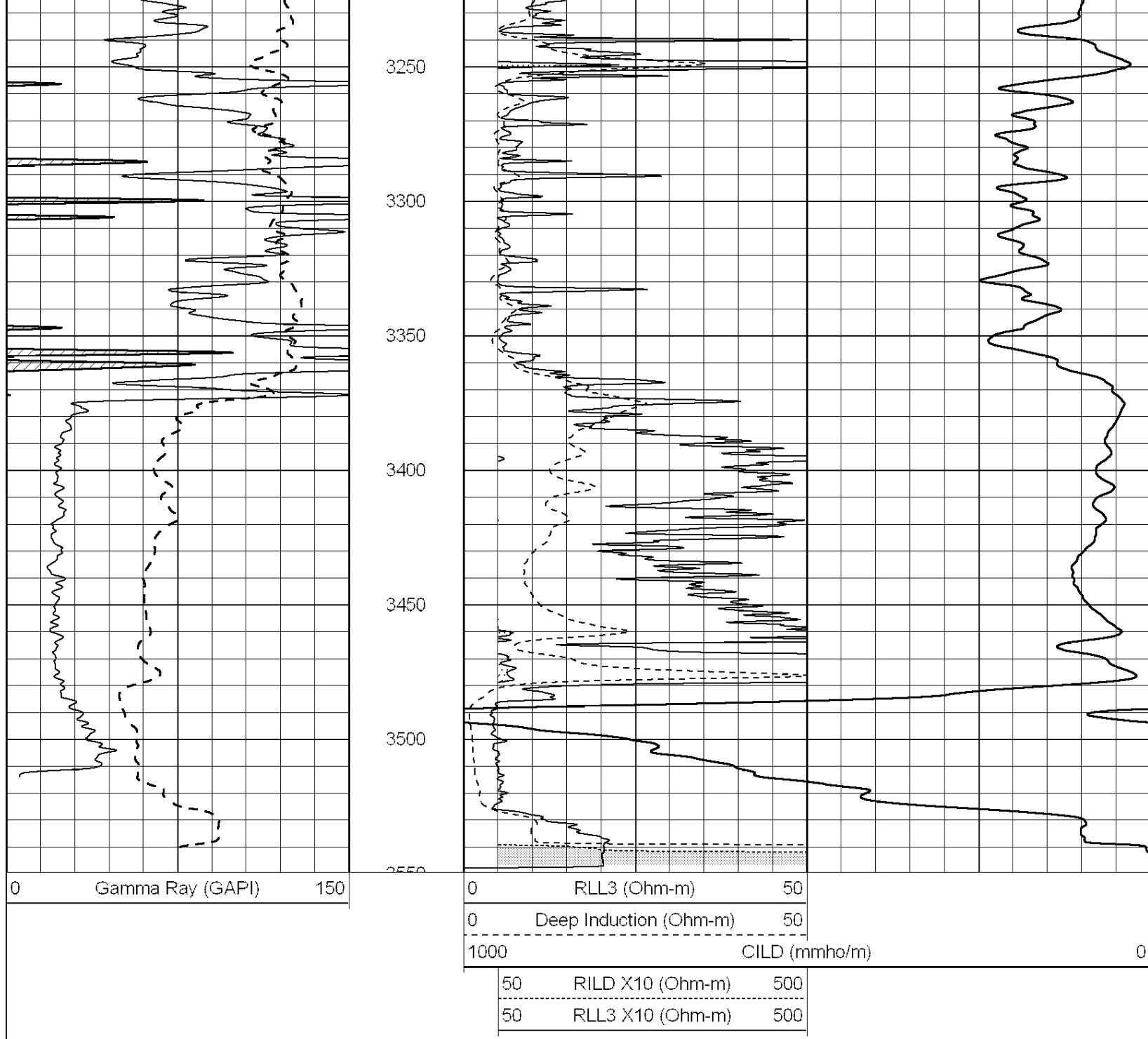
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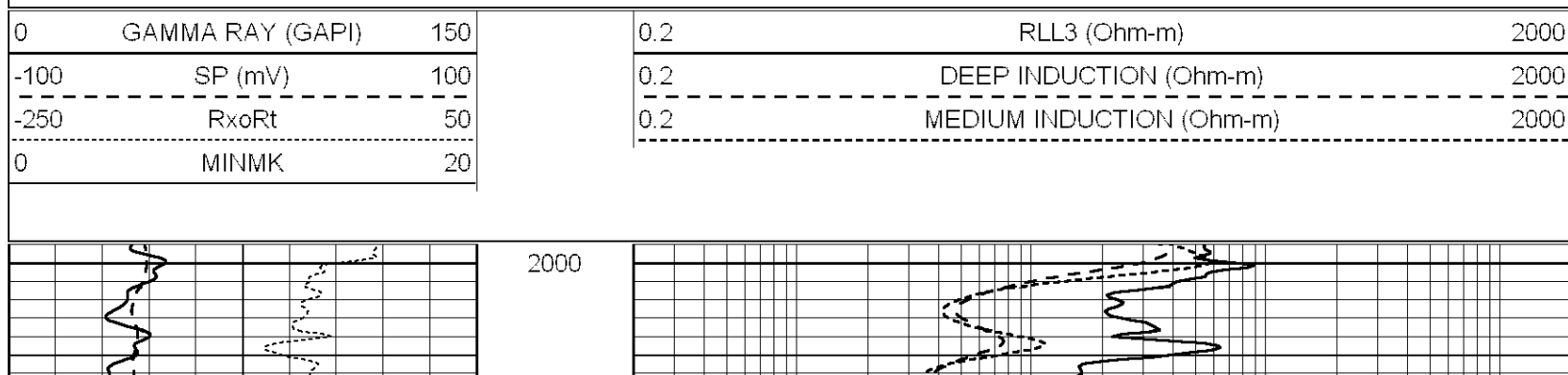
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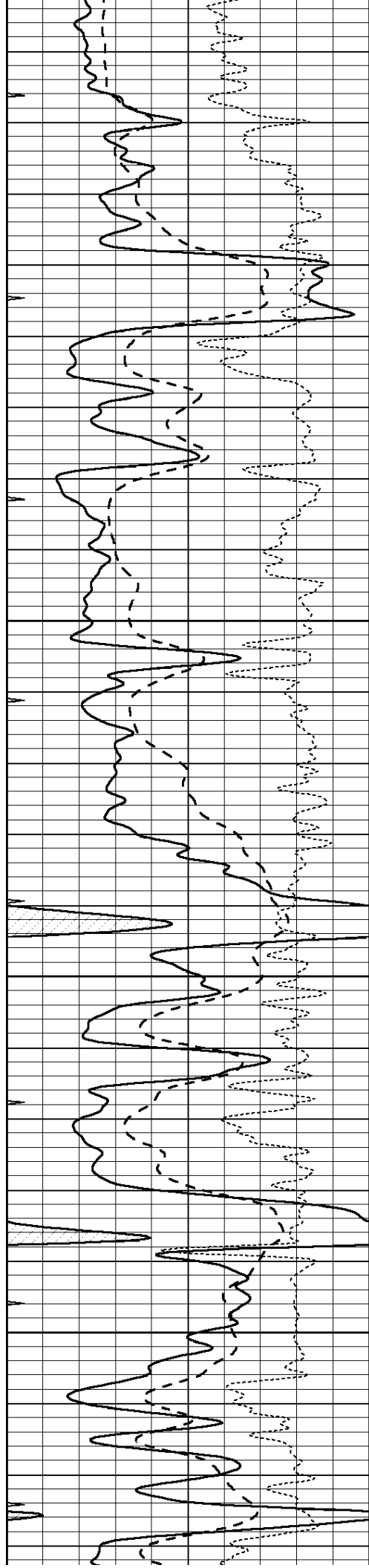
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 Presentation Format: _dil
 Dataset Creation: Thu Oct 17 01:00:27 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240



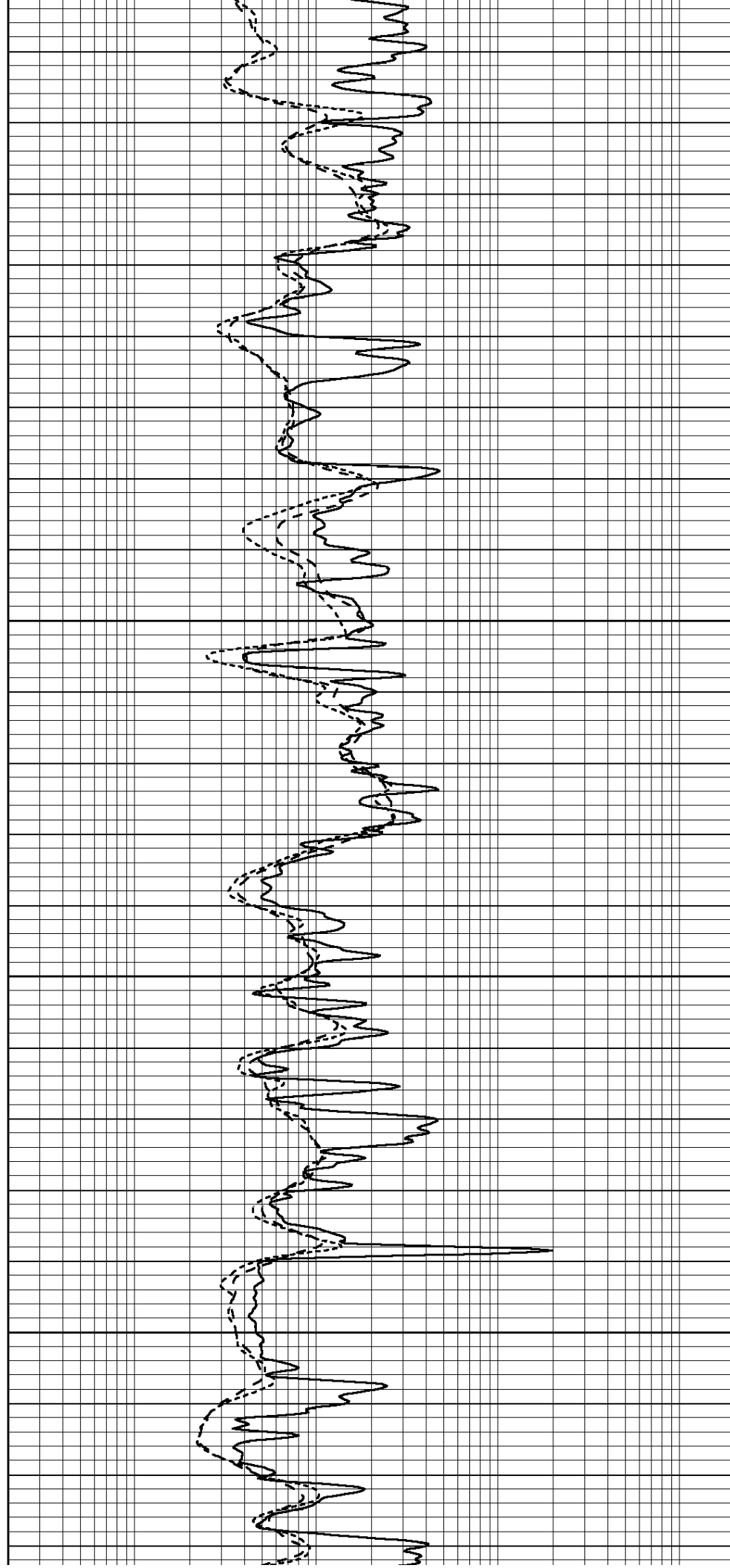


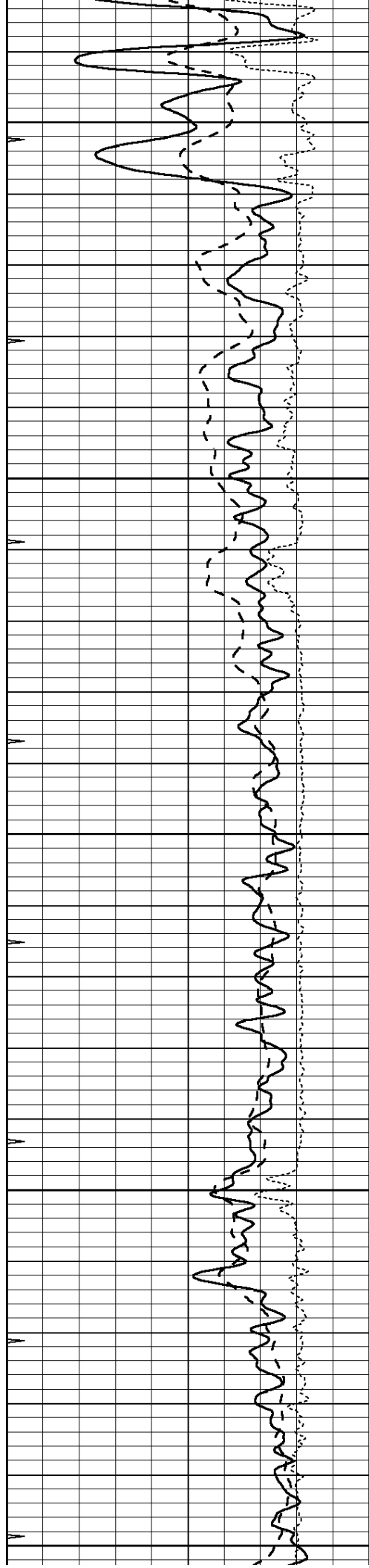
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2100

2150

2200





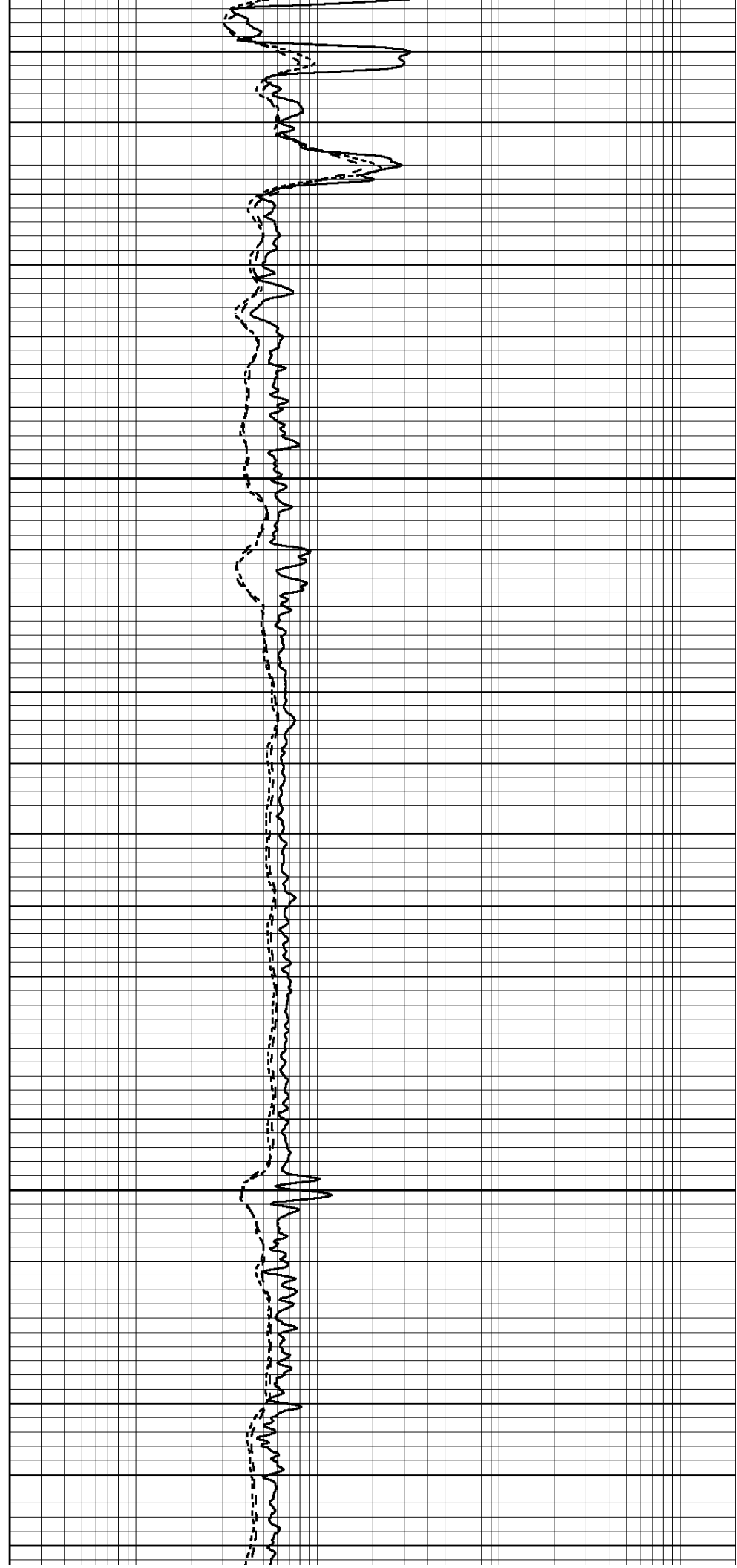
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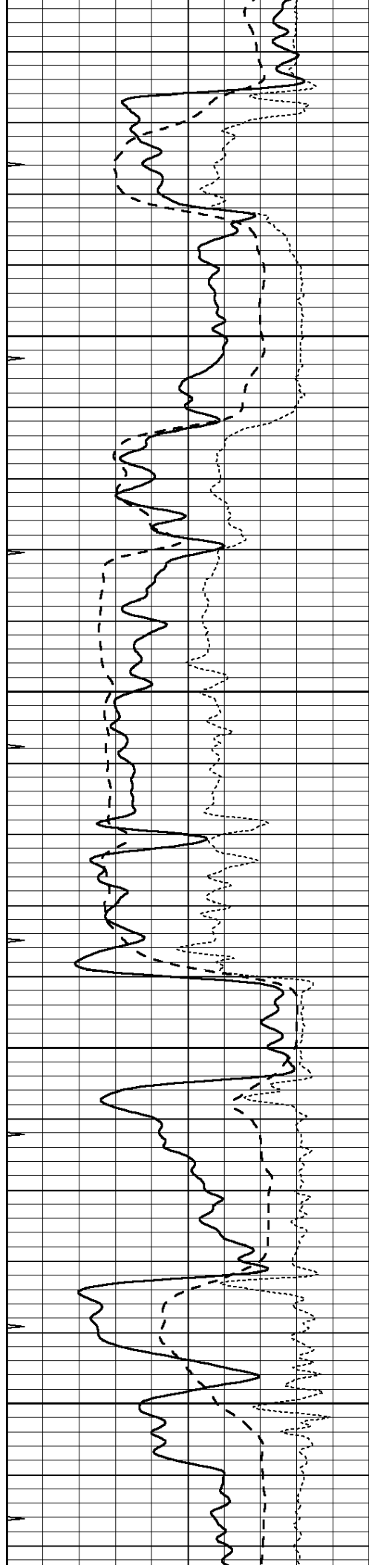
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2350

2400

2450



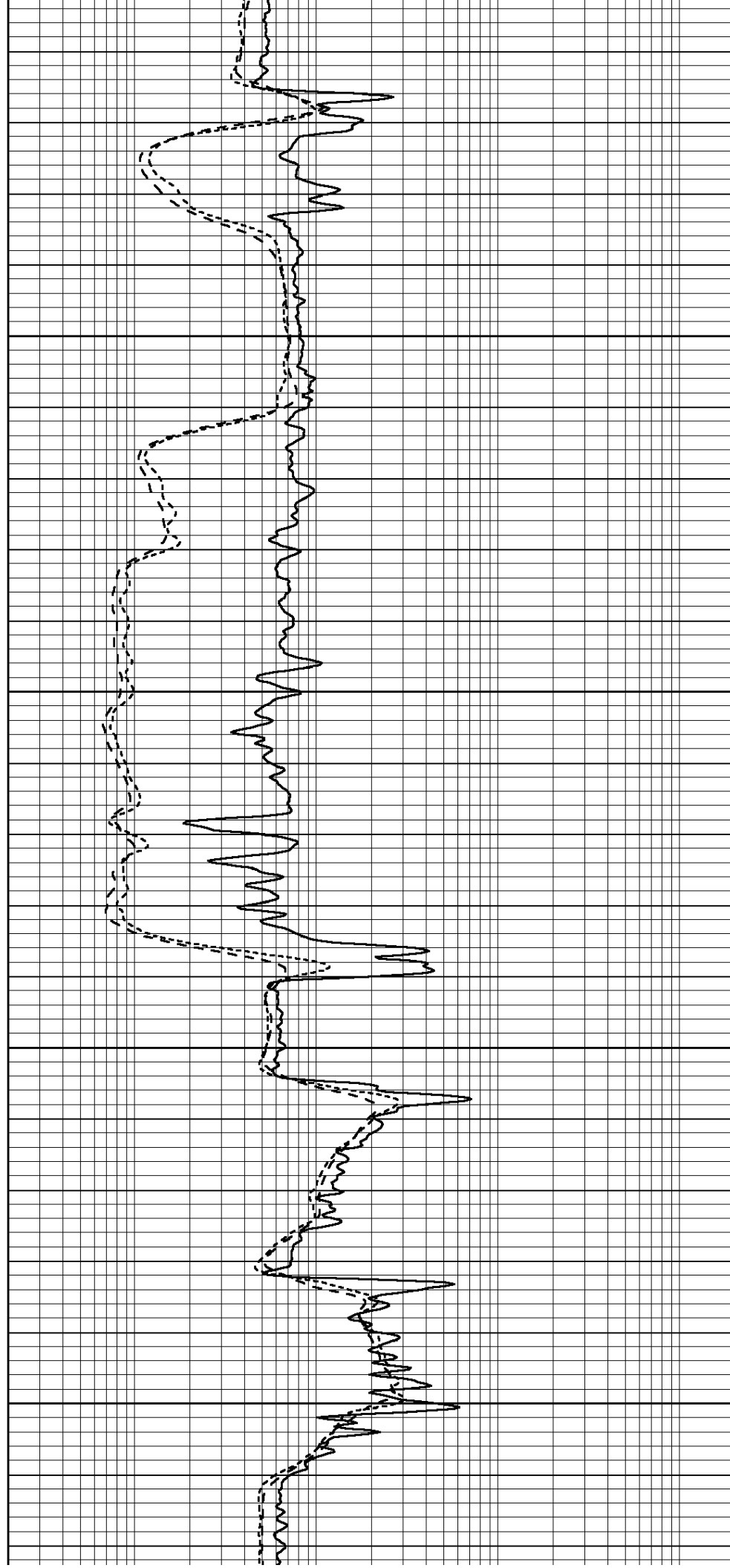


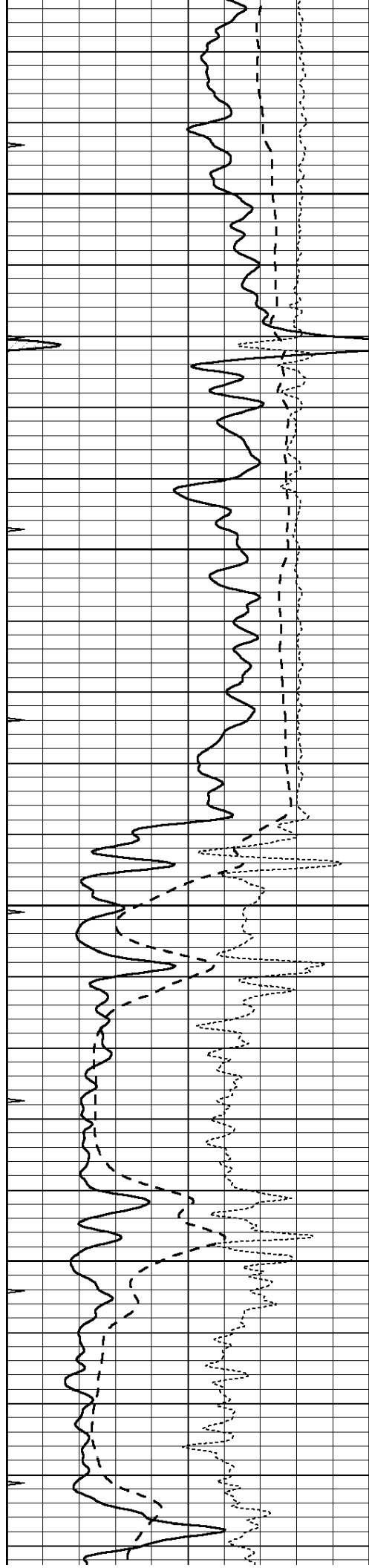
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2550

2600

2650



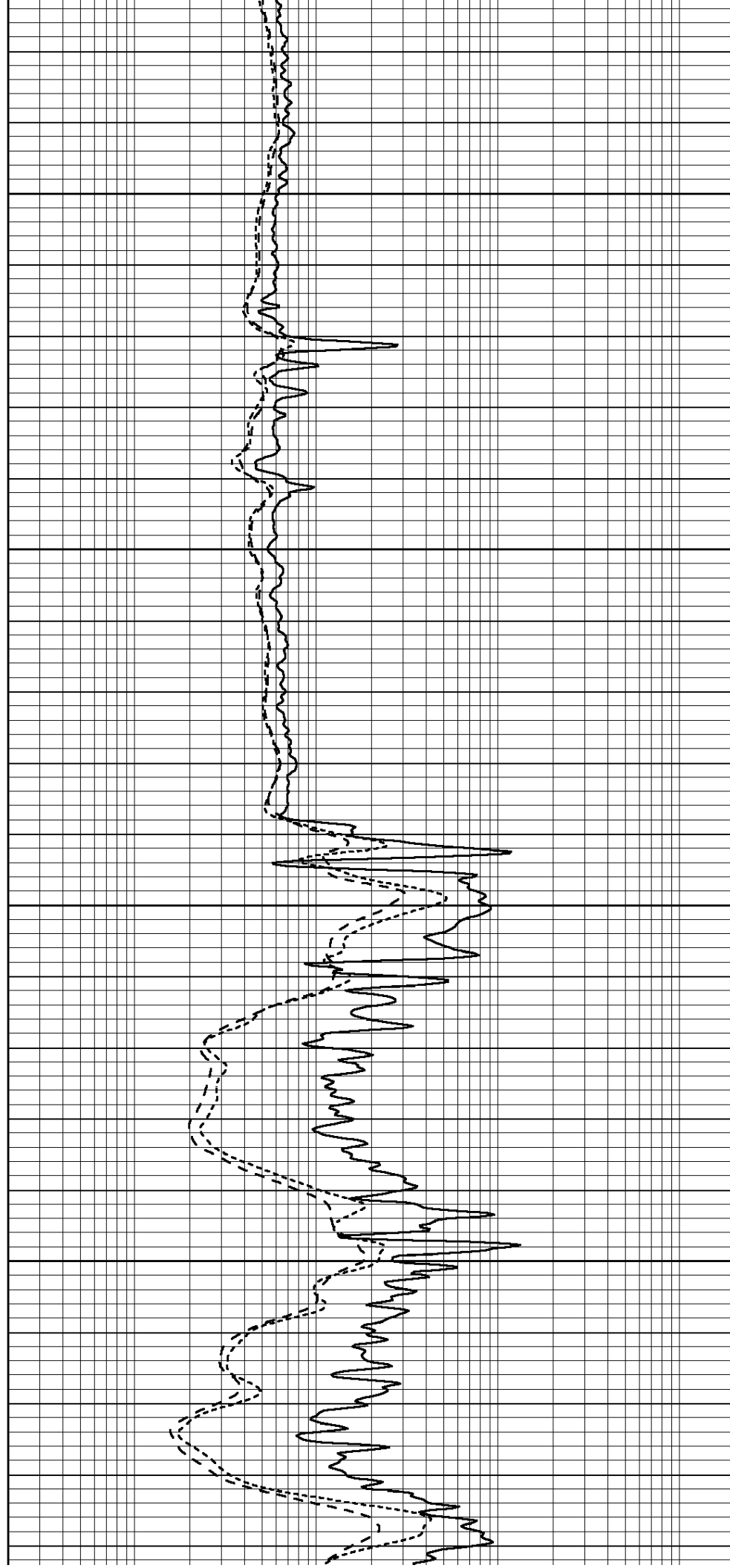


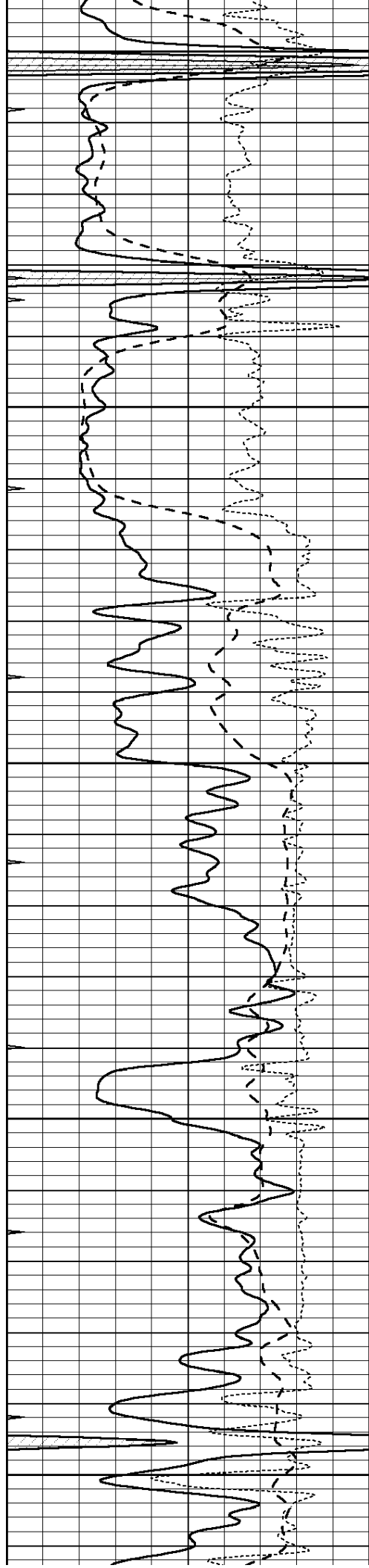
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2750

2800

2850





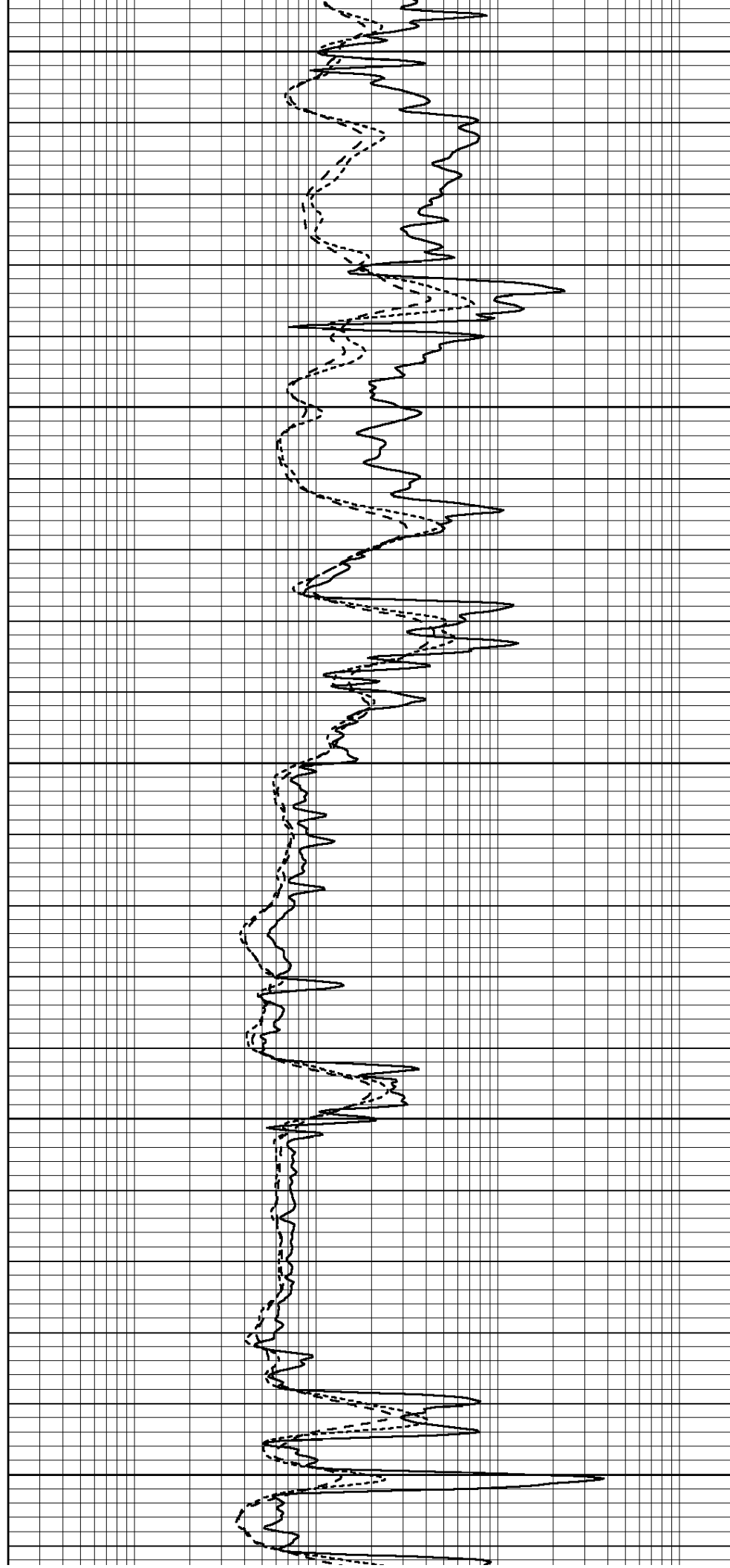
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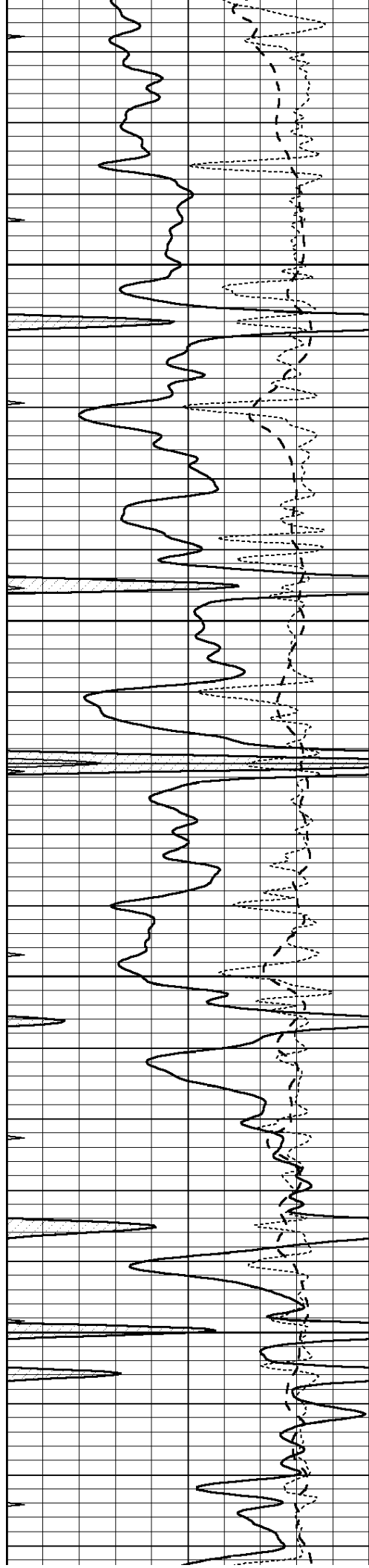
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3050

3100



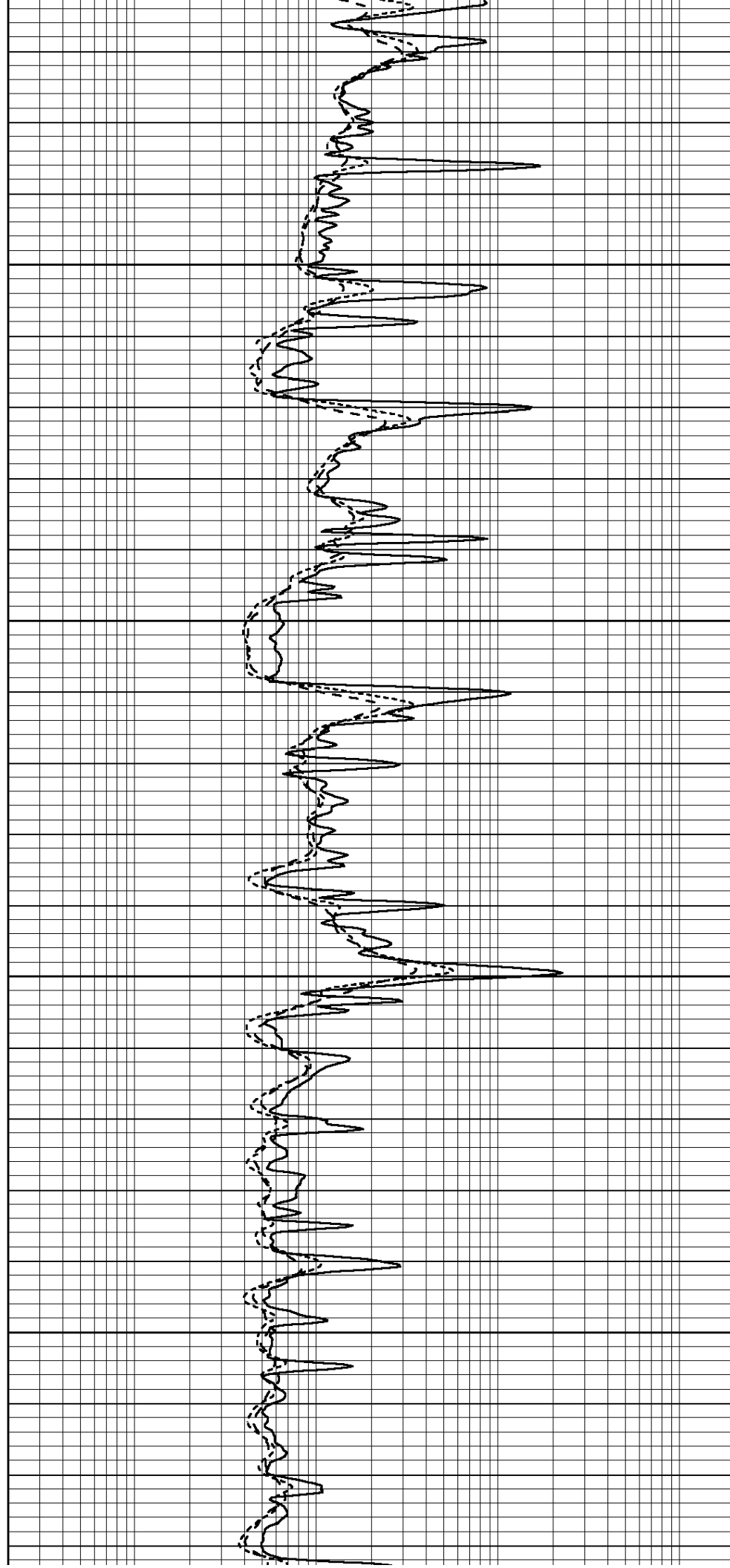


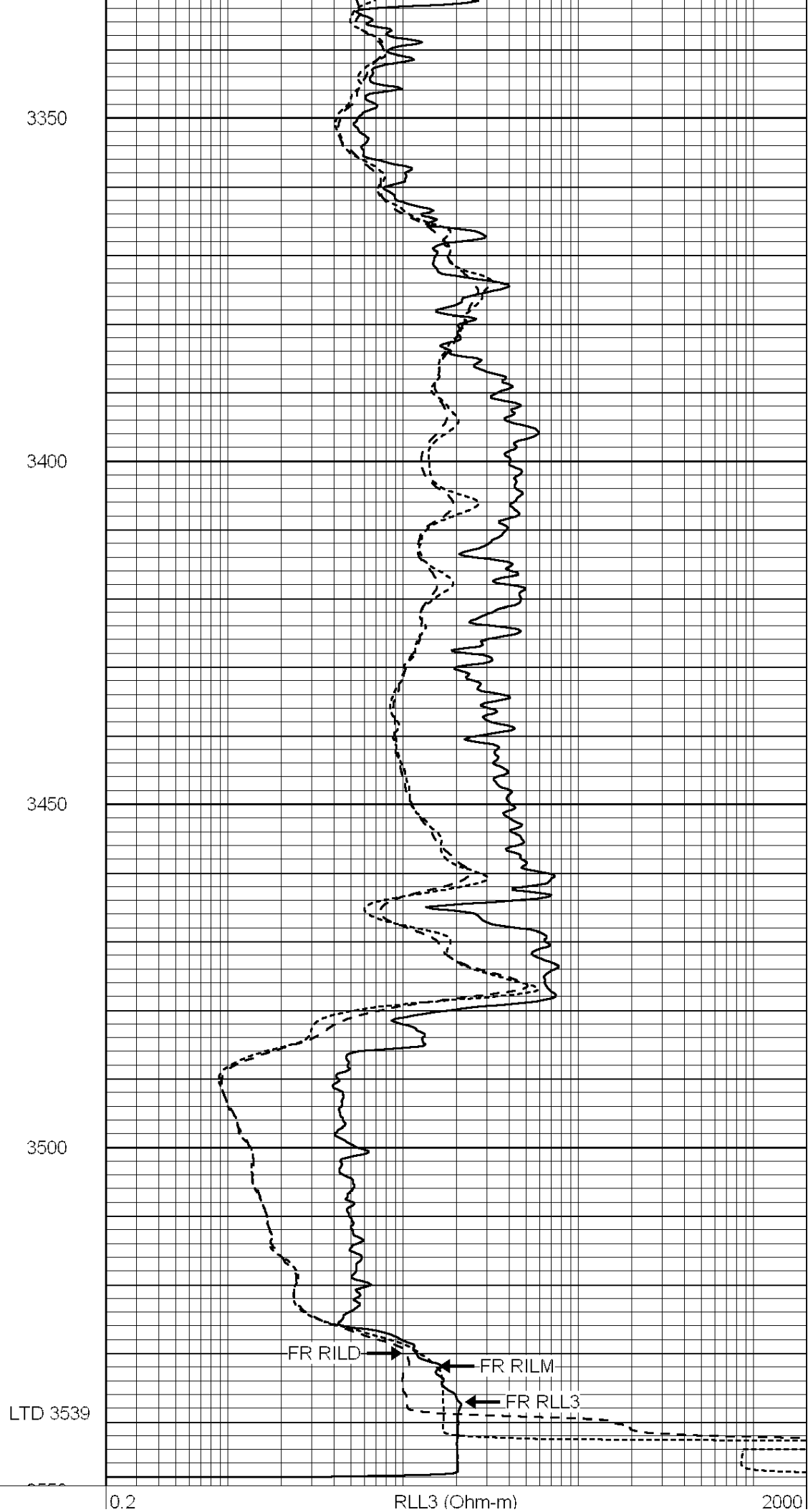
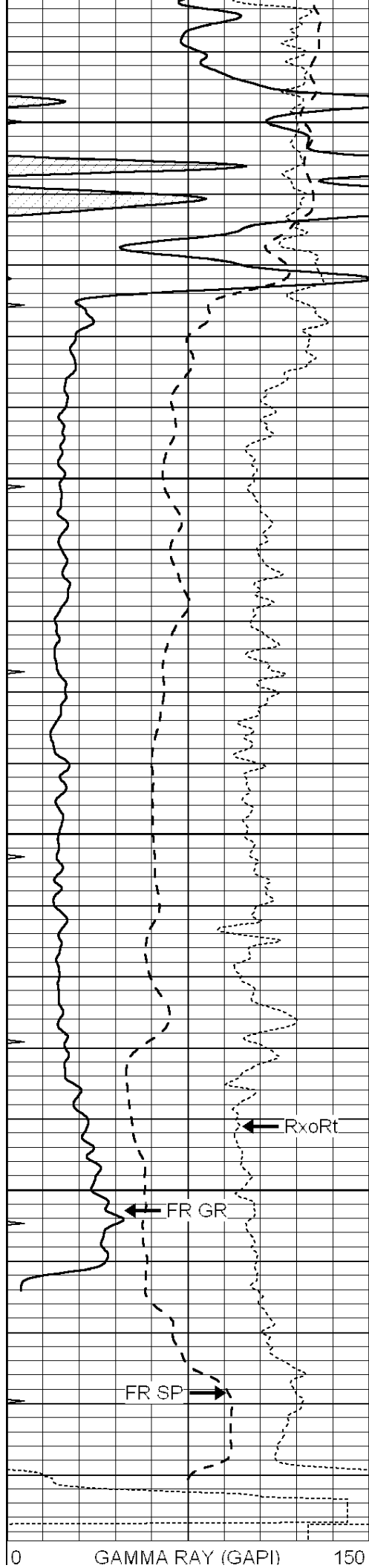
3150

3200

3250

3300





-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

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



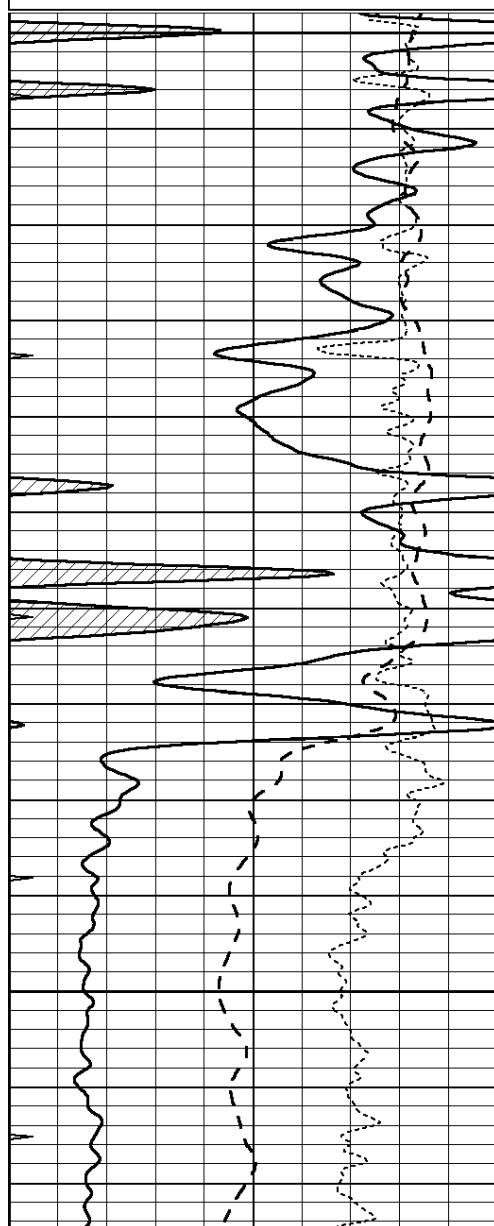
**COMPLETION
& PRODUCTION
SERVICES CO.**

REPEAT SECTION

Database File: 010219ddn.db
Dataset Pathname: pass2.1
Presentation Format: _dil
Dataset Creation: Wed Oct 16 23:59:12 2013 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

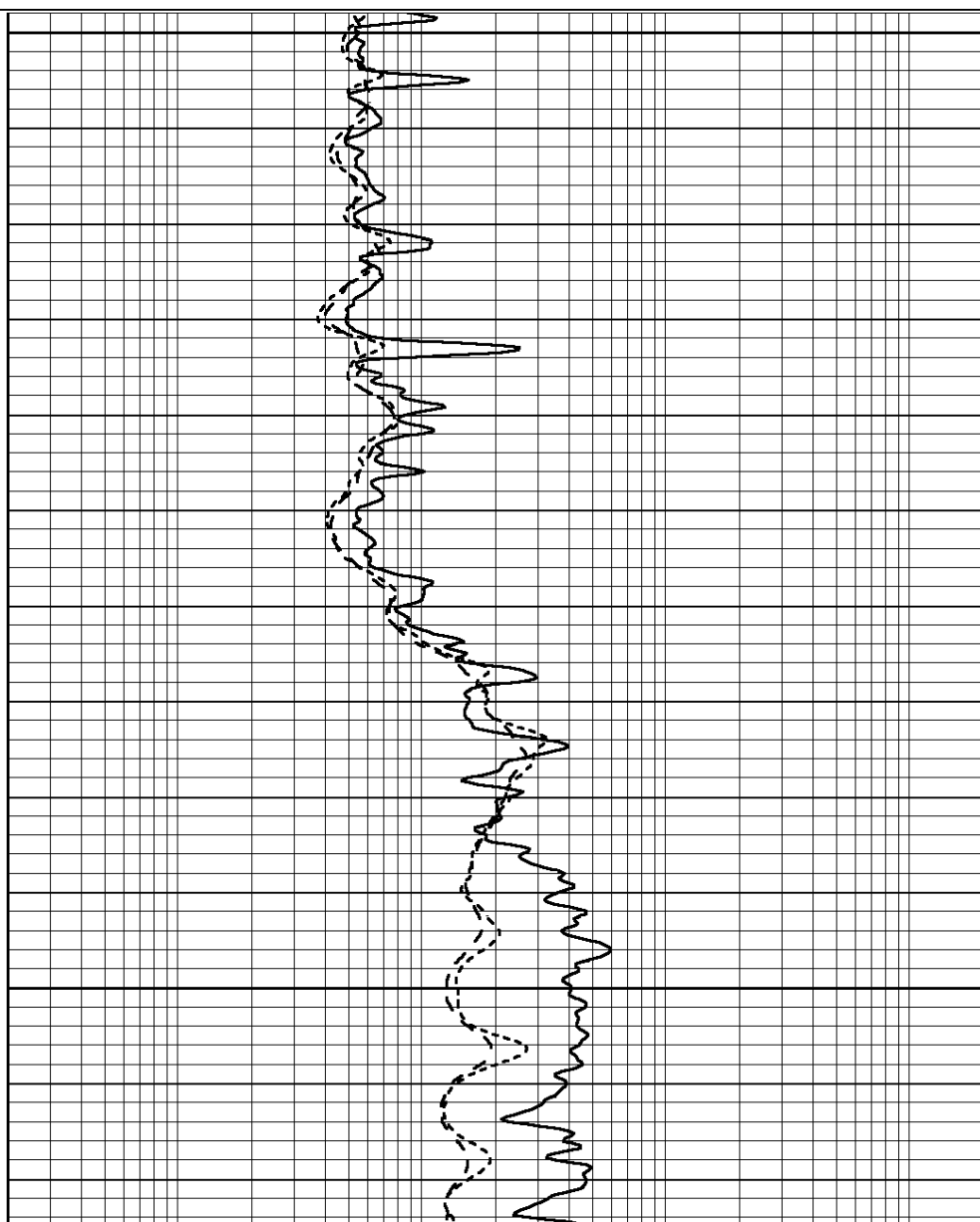
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

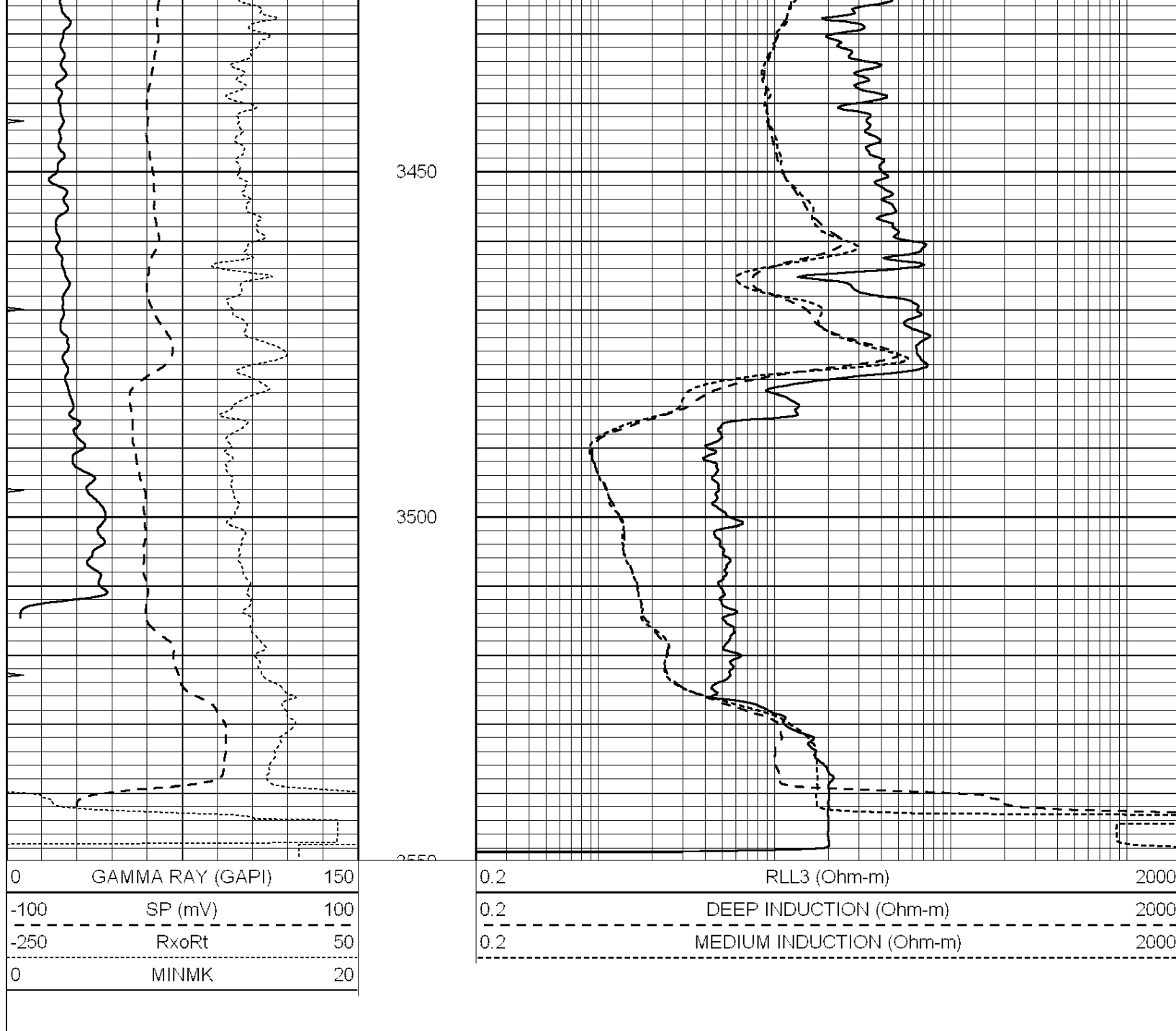


3300

3350

3400





Calibration Report								
Database File:		010219ddn.db						
Dataset Pathname:		pass3.3						
Dataset Creation:		Thu Oct 17 01:26:09 2013 by Calc Open-Cased 090629						
Dual Induction Calibration Report								
Serial-Model: Performed:				DIL3-GEAR Mon Oct 14 01:32:33 2013				
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	480.000	4.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	530.000	-8.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	560.000	-1.071

Compensated Density Calibration Report								
Serial-Model:			GEAR1-GEARHART					
Source / Verifier:			147 / 147					
Master Calibration Performed:			Mon Oct 14 01:31:54 2013					

Master Calibration						
	Density		Far Detector	Near Detector		
Magnesium	1.710	g/cc	1205.77	610.74	cps	
Aluminum	2.580	g/cc	271.21	419.72	cps	
Spine Angle = 75.89			Density/Spine Ratio = 0.566			
	Size		Reading			
Small Ring	8.20	in	4.83	V		
Large Ring	14.00	in	7.01	V		

Compensated Neutron Calibration Report								
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Serial Number:			NEU_4I					
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								
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Serial Number:			GR5					
Tool Model:			OPEN					
Performed:			Mon Oct 14 02:50:57 2013					
Calibrator Value:			1.0			GAPI		
Background Reading:			0.0			cps		
Calibrator Reading:			1.0			cps		
Sensitivity:			0.8000			GAPI/cps		