



**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company	SHELBY RESOURCES, LLC.	Company	SHELBY RESOURCES, LLC.
Well	PENNEY #1-16	Well	PENNEY #1-16
Field		Field	
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	API # : 15-009-25758 2015' FSL & 2225' FWL	Other Services CDL/CNL SONIC/MEL	
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 9.5' A.G.L. KELLY BUSHING	Elevation K.B. 1883.5 D.F. G.L. 1874	
SEC 16 TWP 19S RGE 12W			
Date	10-7-12		
Run Number	ONE		
Depth Driller	3570		
Depth Logger	3570		
Bottom Logged Interval	3568		
Top Log Interval	00		
Casing Driller	740		
Casing Logger	738		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0 / 46		
pH / Fluid Loss	10.5 / 6.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.85 @ 60F		
Rmf @ Meas. Temp	0.64 @ 60F		
Rmc @ Meas. Temp	1.02 @ 60F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.460 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	8:00 A.M.		
Maximum Recorded Temperature	111F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	CHARLIE STURDAVANT		

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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 PRODUCTION & COMPLETION CO.
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: HOISINGTON S TO BARTON COMMUNITY COLLEGE BLACKTOP, E TO K#156, 100'E TO N.E.
60TH, 1S TO N.E. 20TH, 1/2E, N INTO.

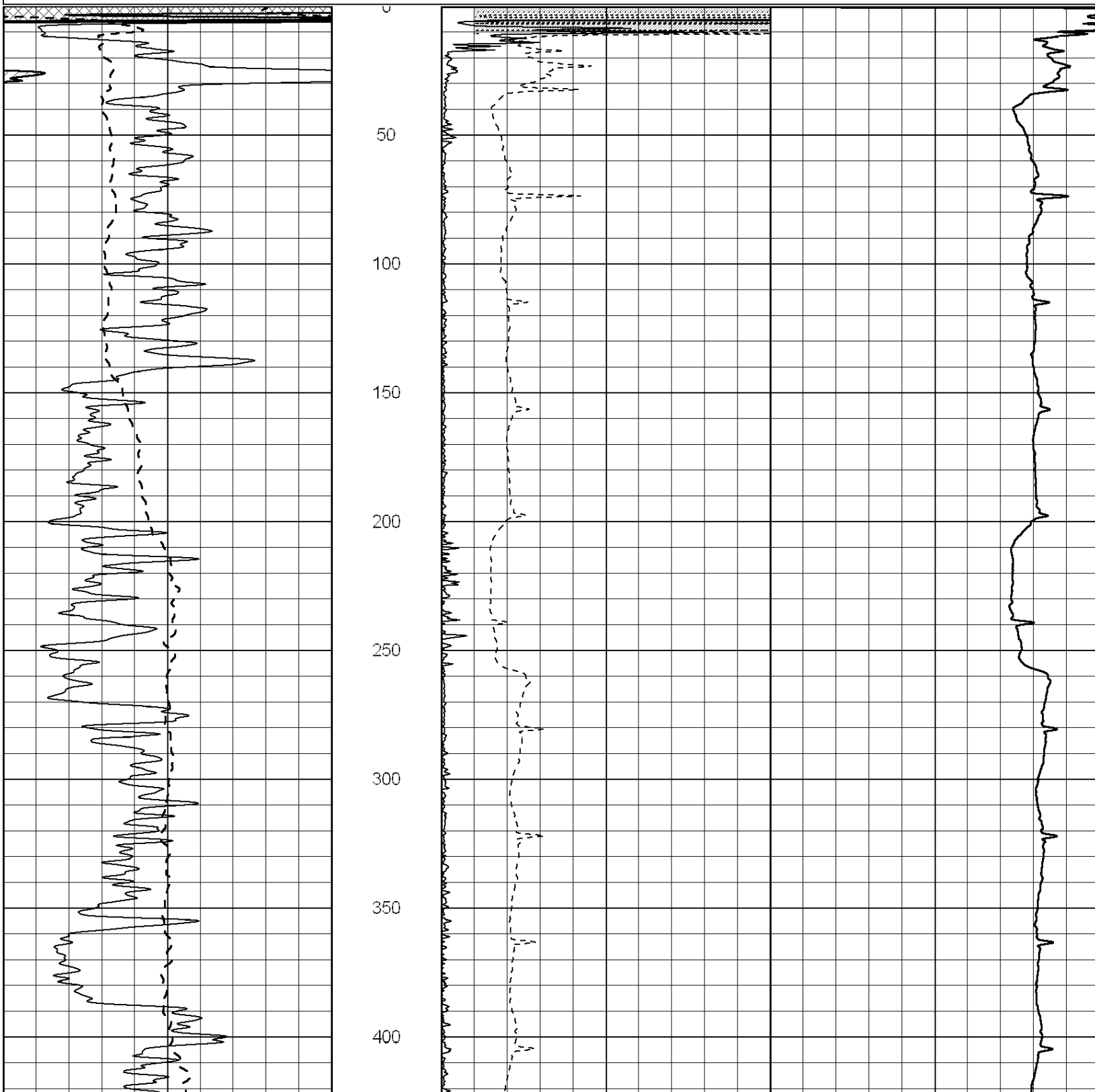


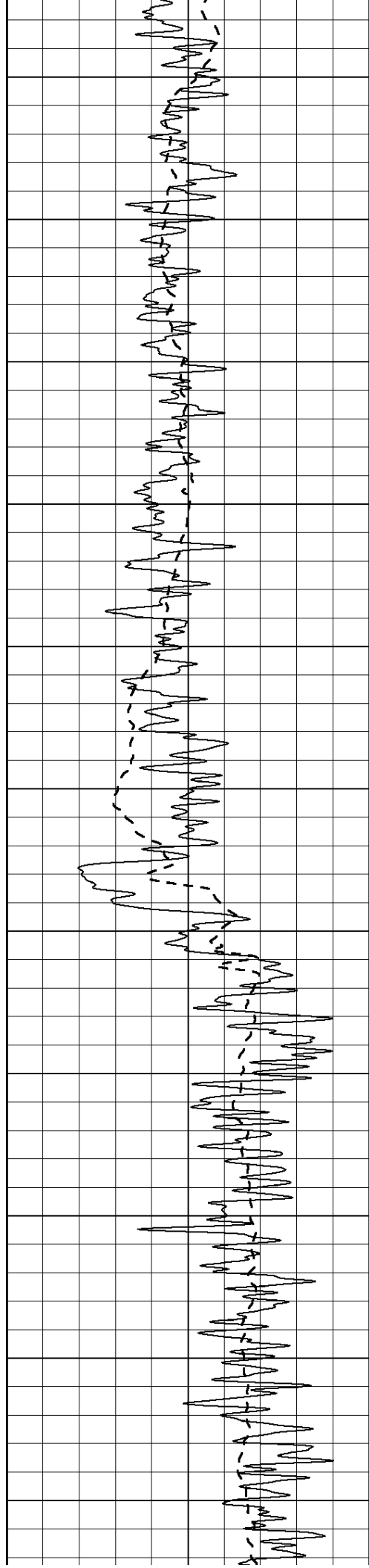
**COMPLETION
& PRODUCTION**

MAIN SECTION

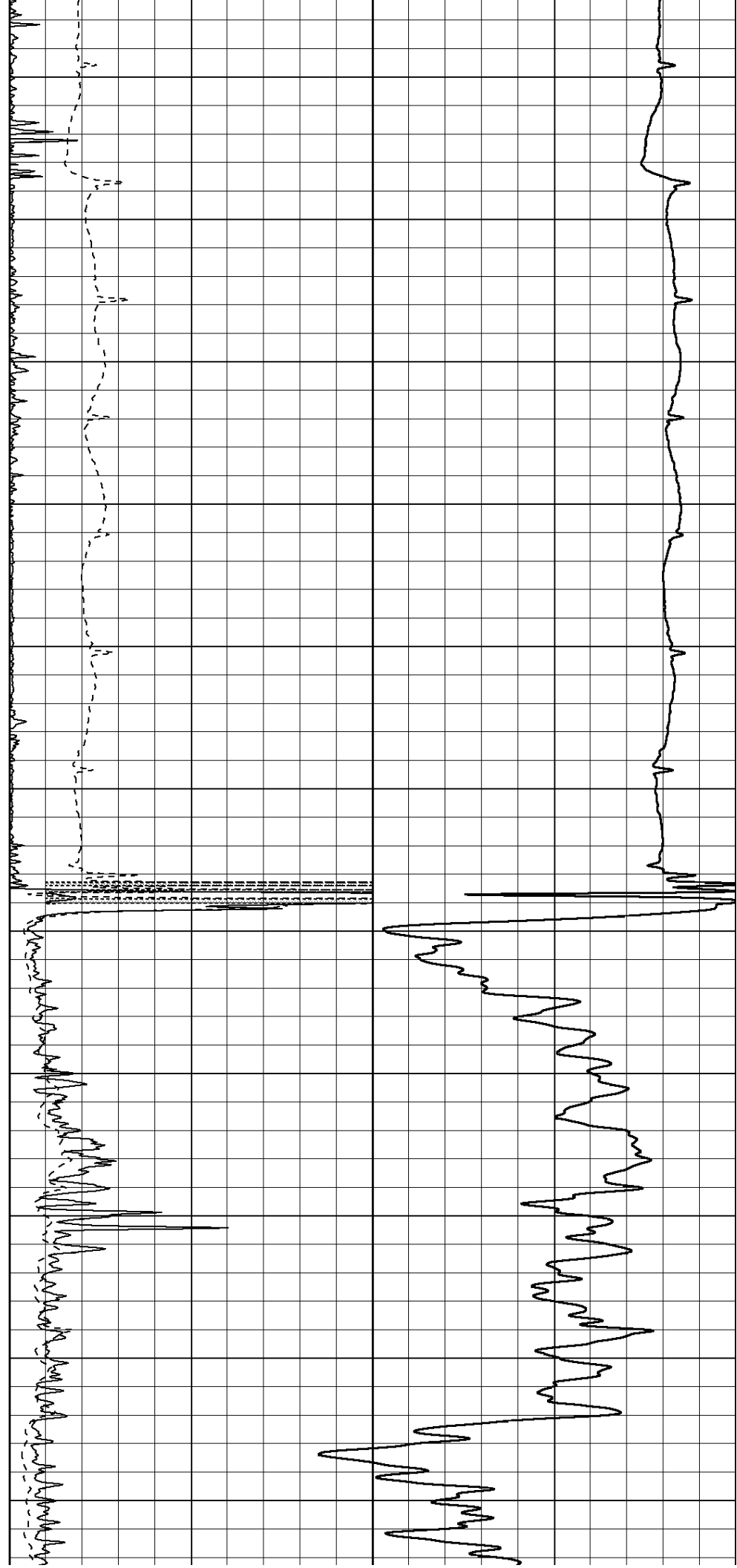
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 Presentation Format: dil2
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 Charted by: Depth in Feet scaled 1:600

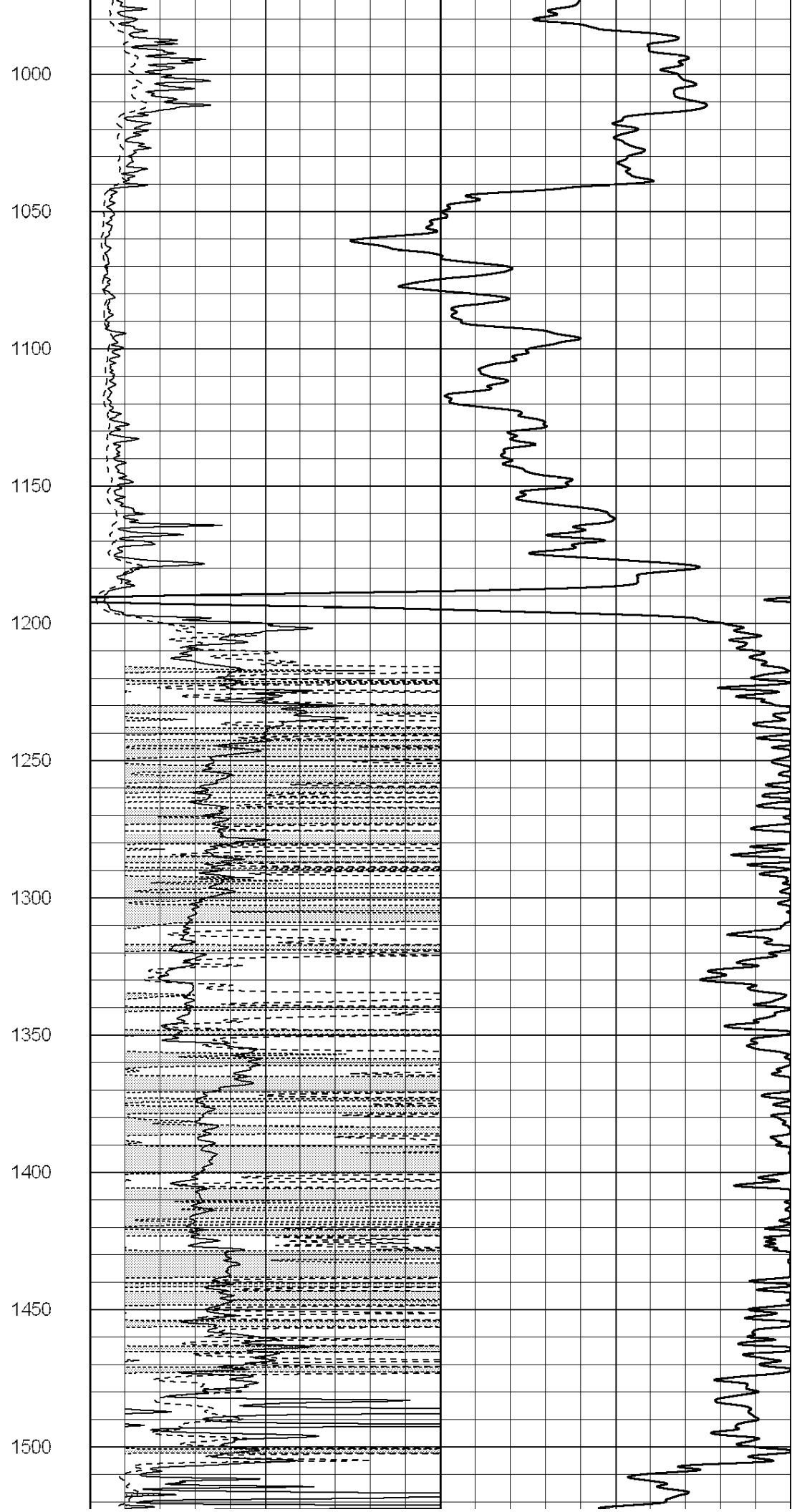
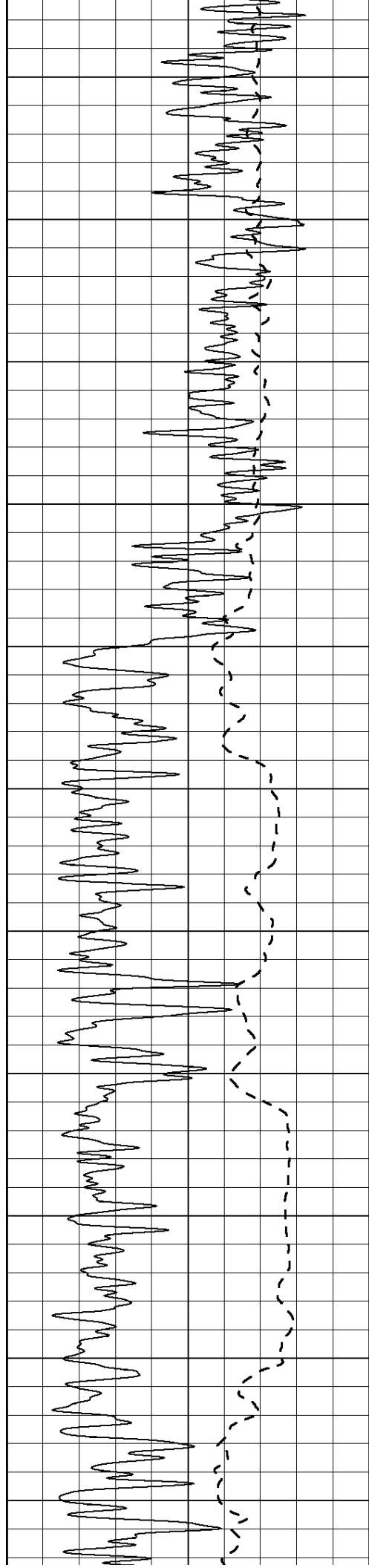
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			0	Deep Induction (Ohm-m)	50
			1000	CILD (mmho/m)	0
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

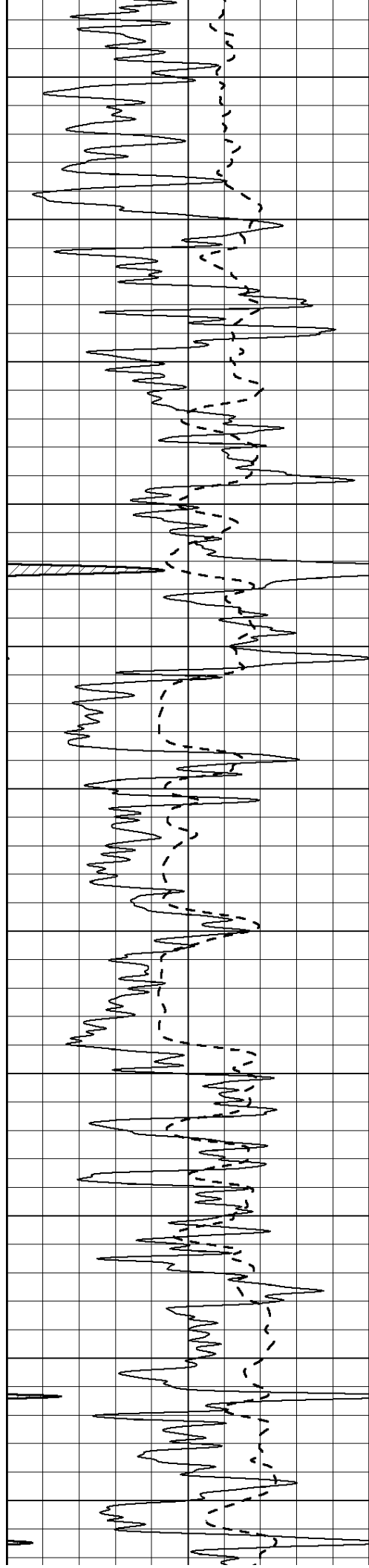




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950







1550

1600

1650

1700

1750

1800

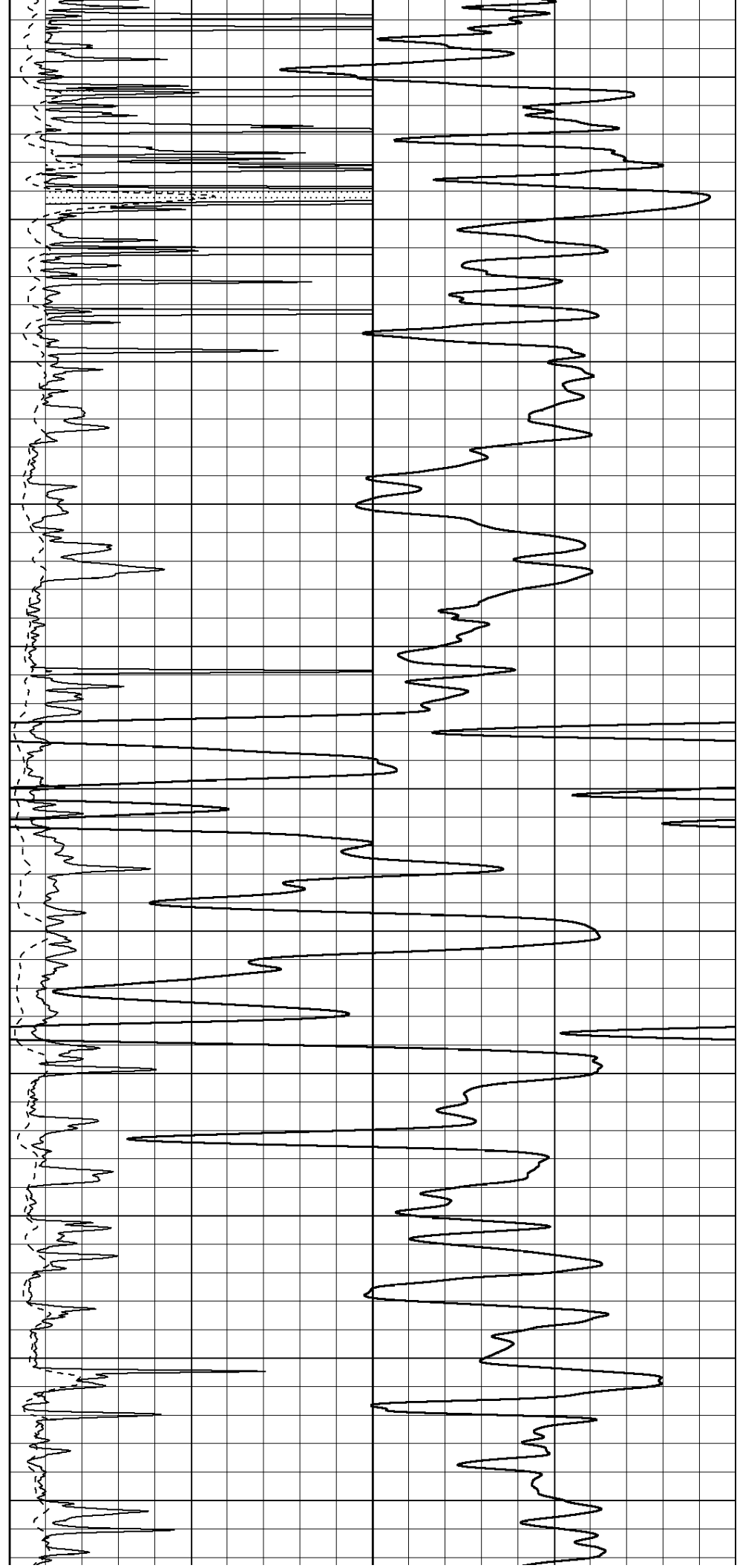
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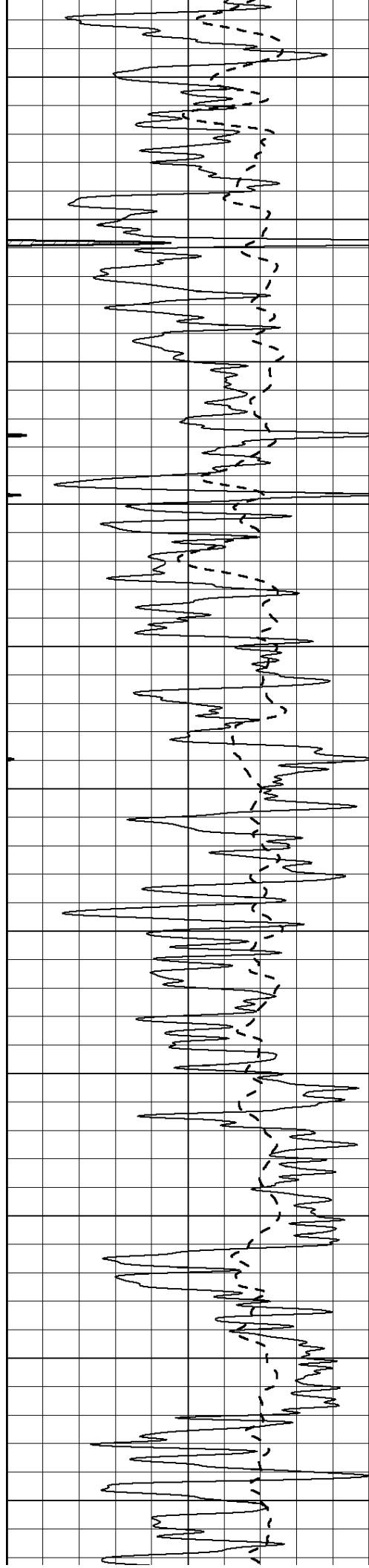
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1950

2000

2050





2100

2150

2200

2250

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2350

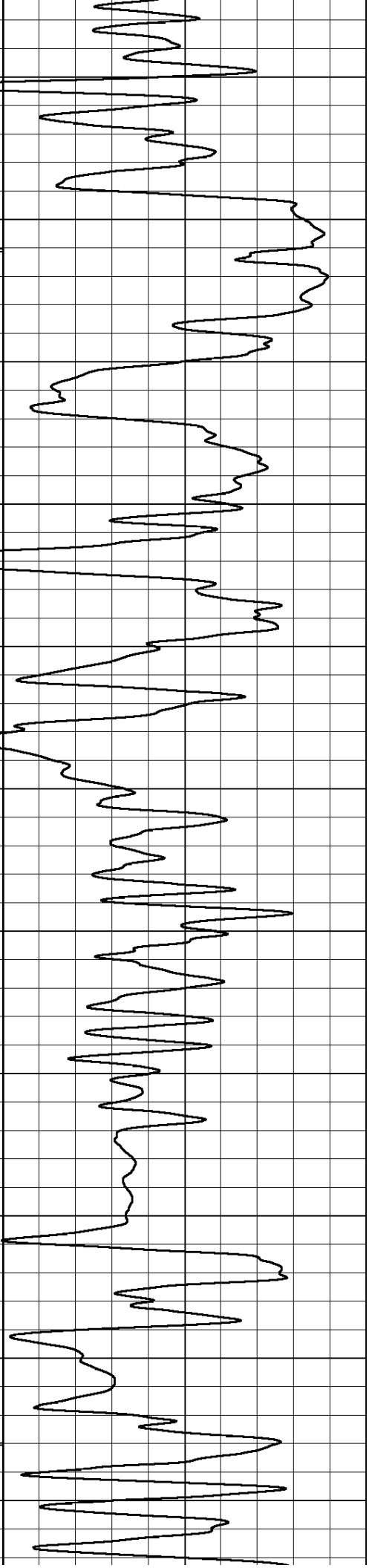
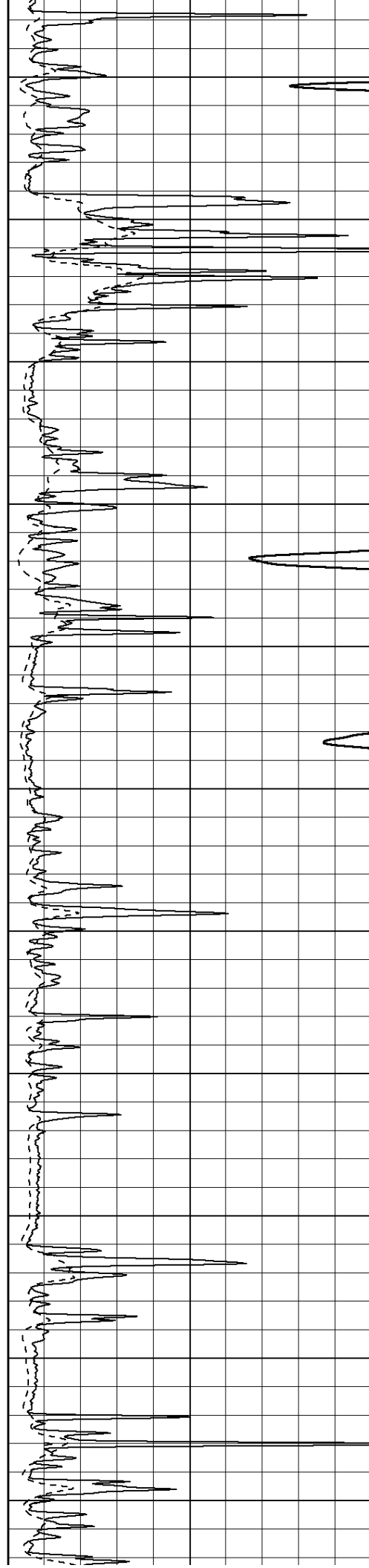
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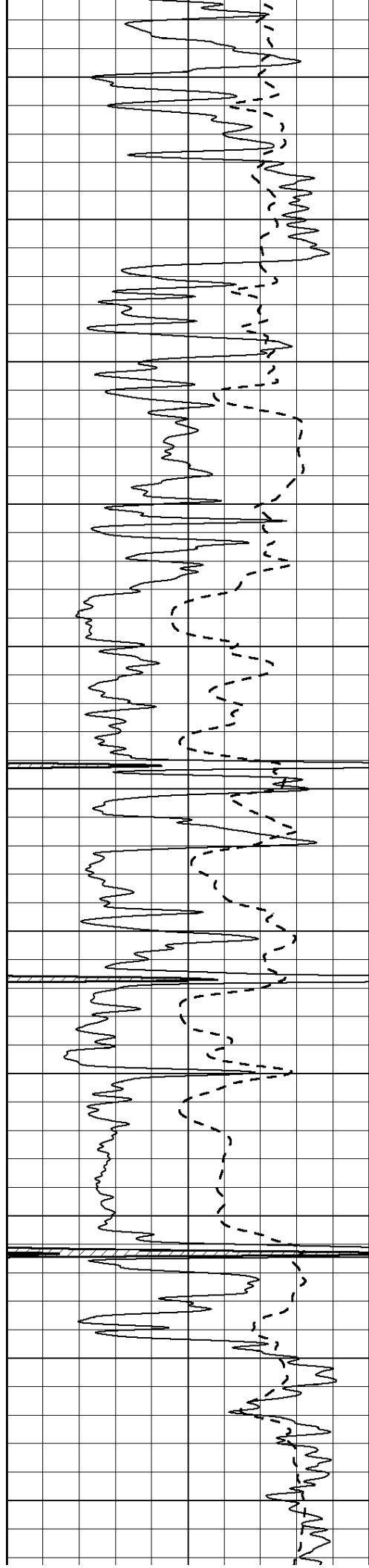
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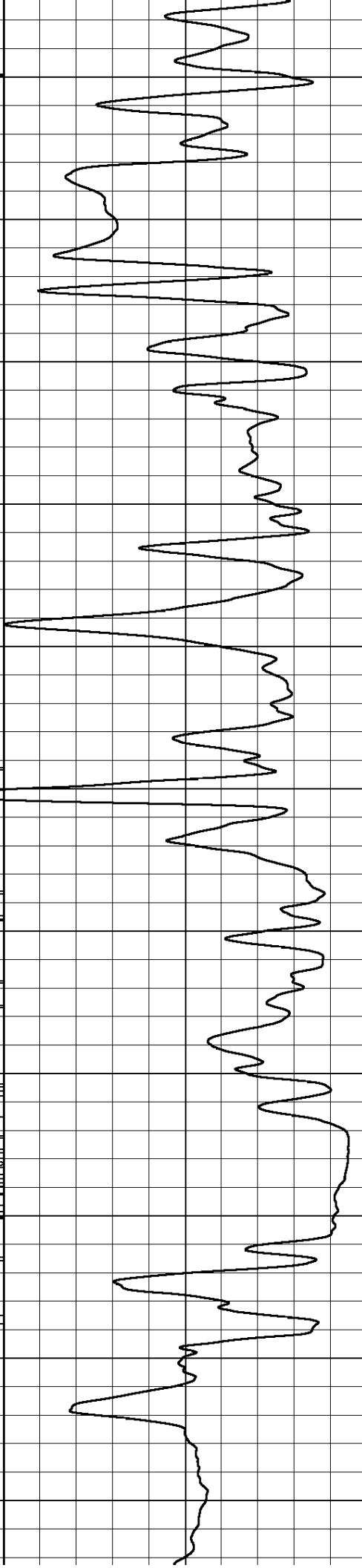
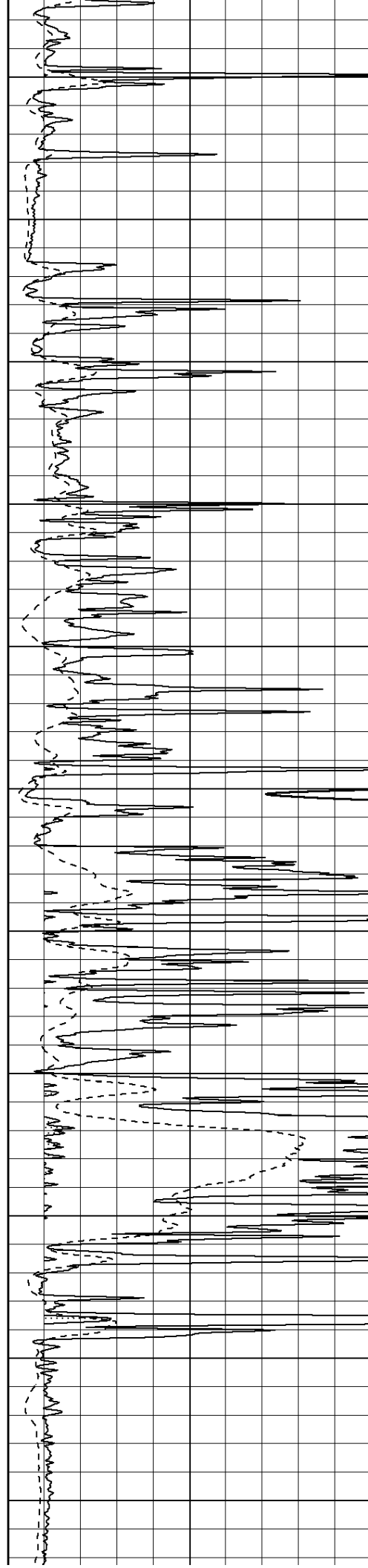
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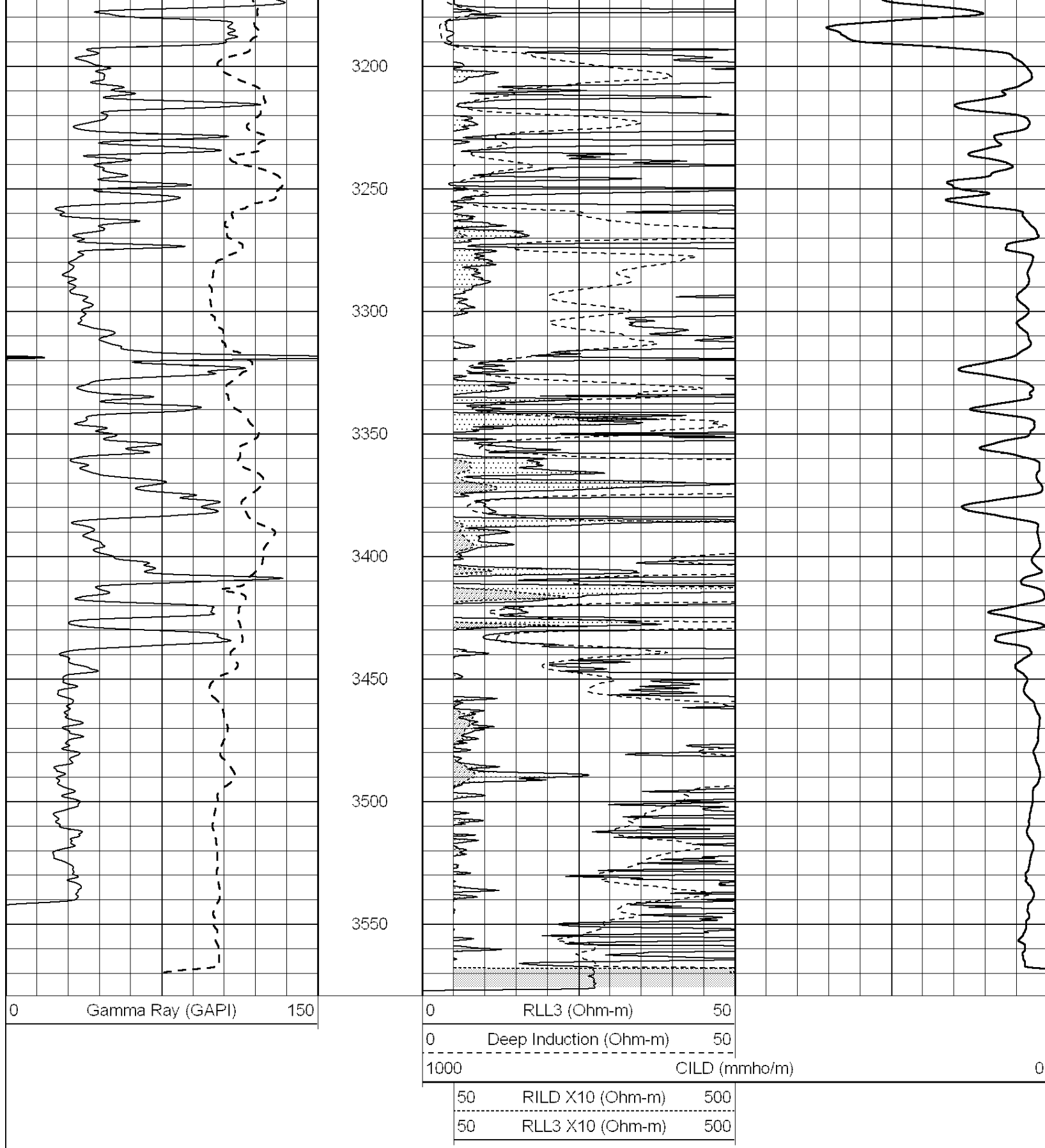
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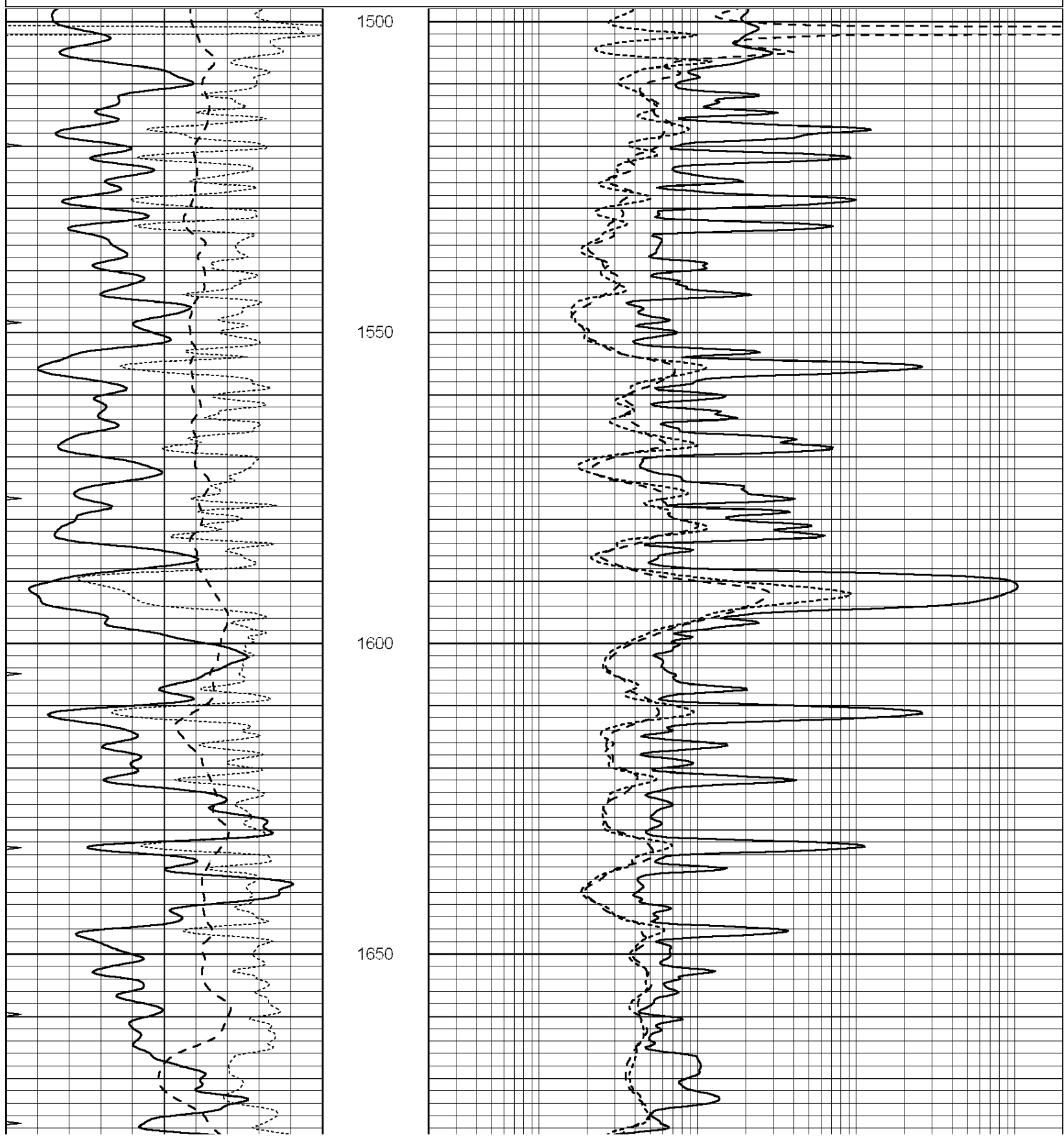
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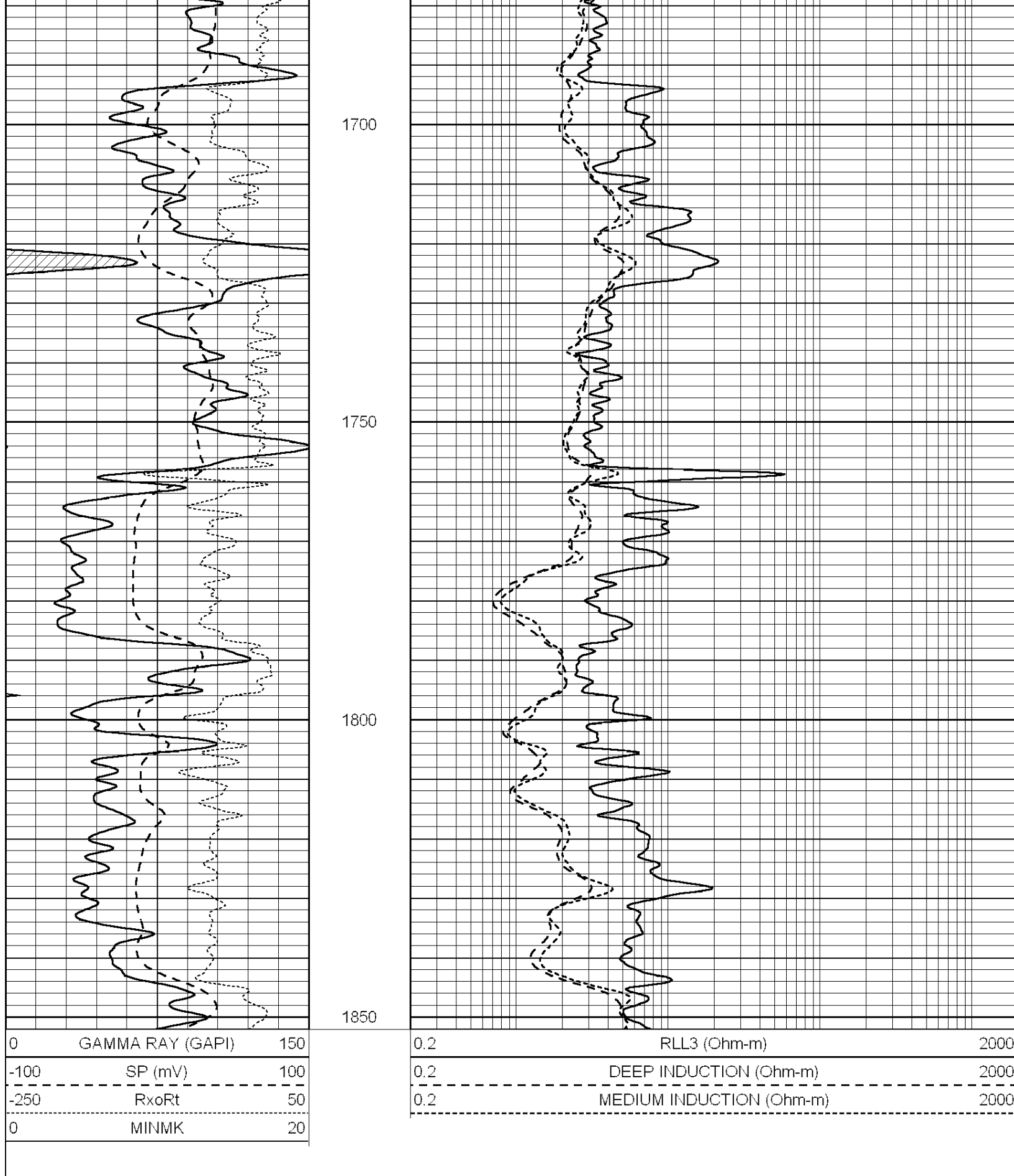




0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

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

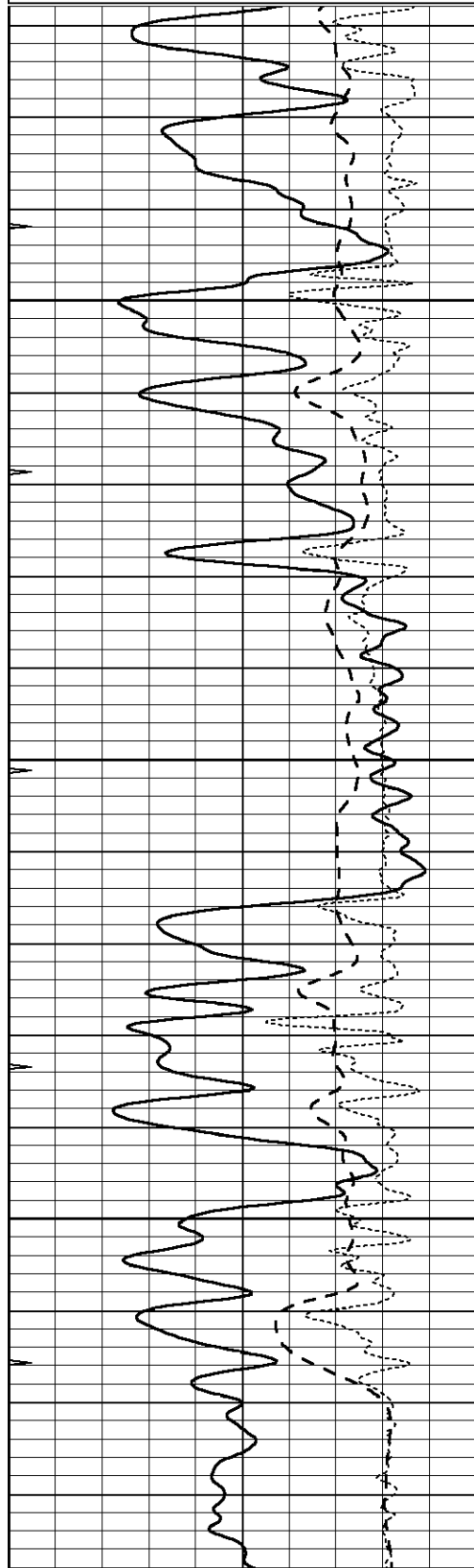




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 Presentation Format: dil
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 Charted by: Depth in Feet scaled 1:240

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-250	RxoRt	50
0	MINMK	20

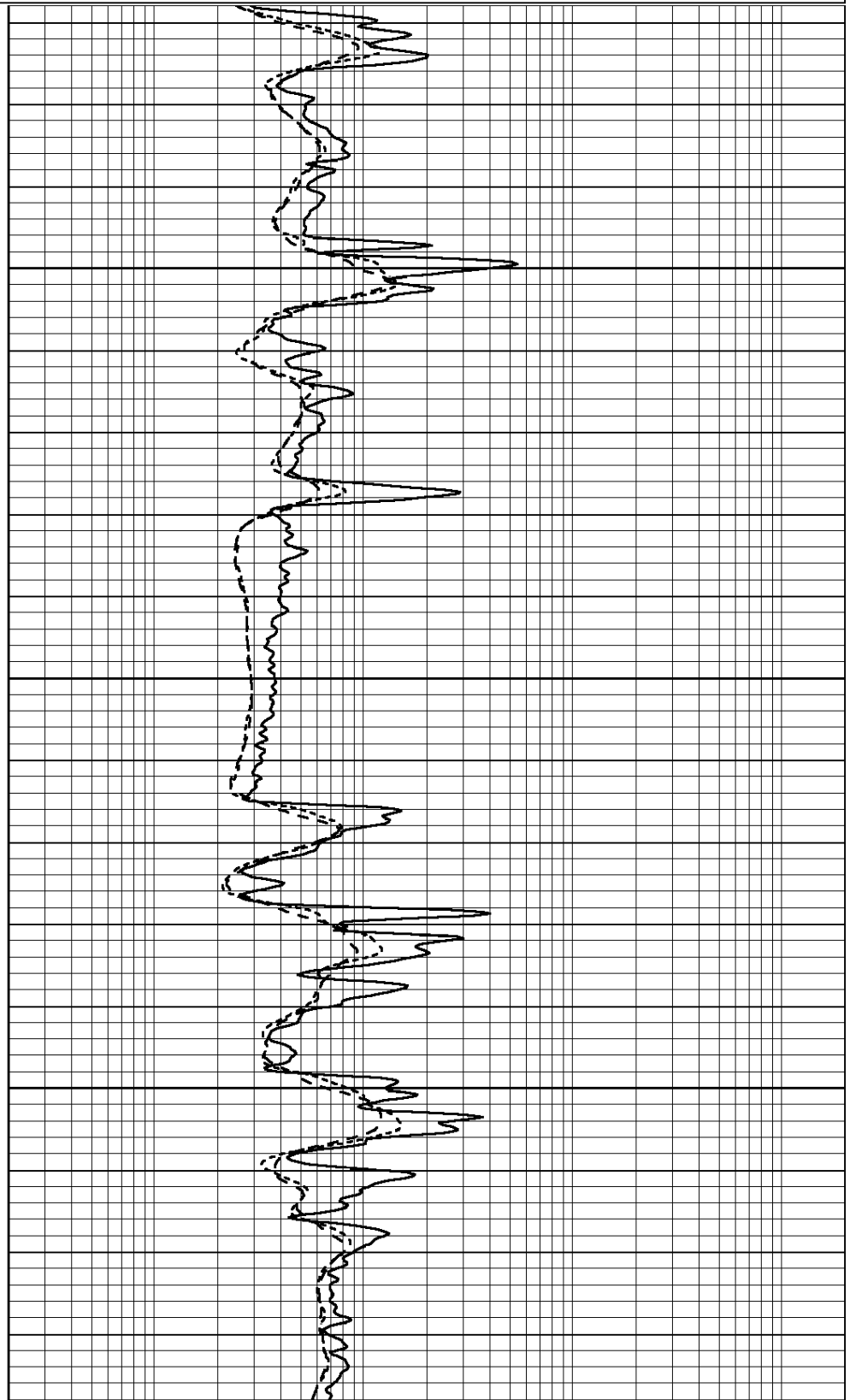
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0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

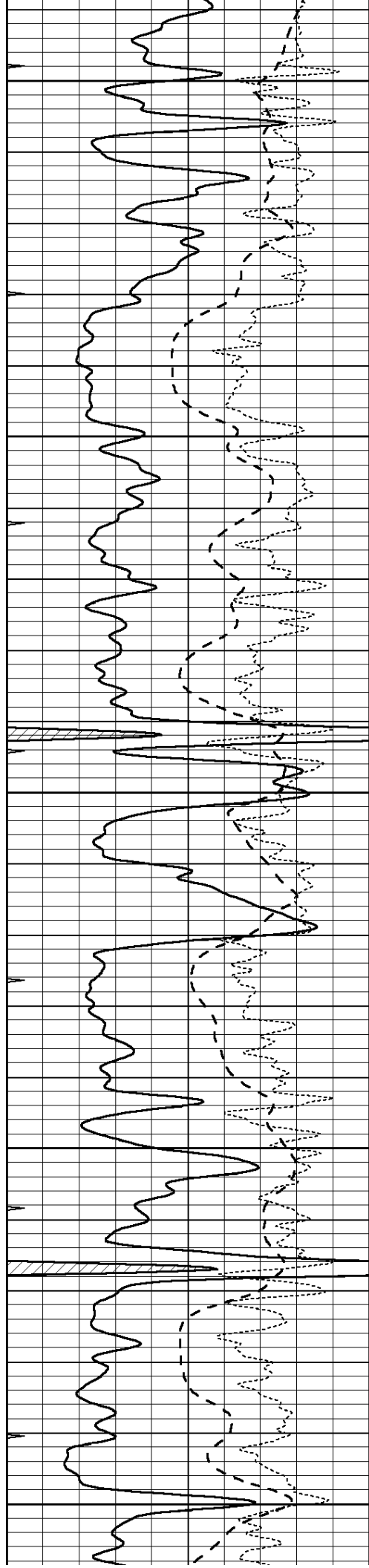


2650

2700

2750





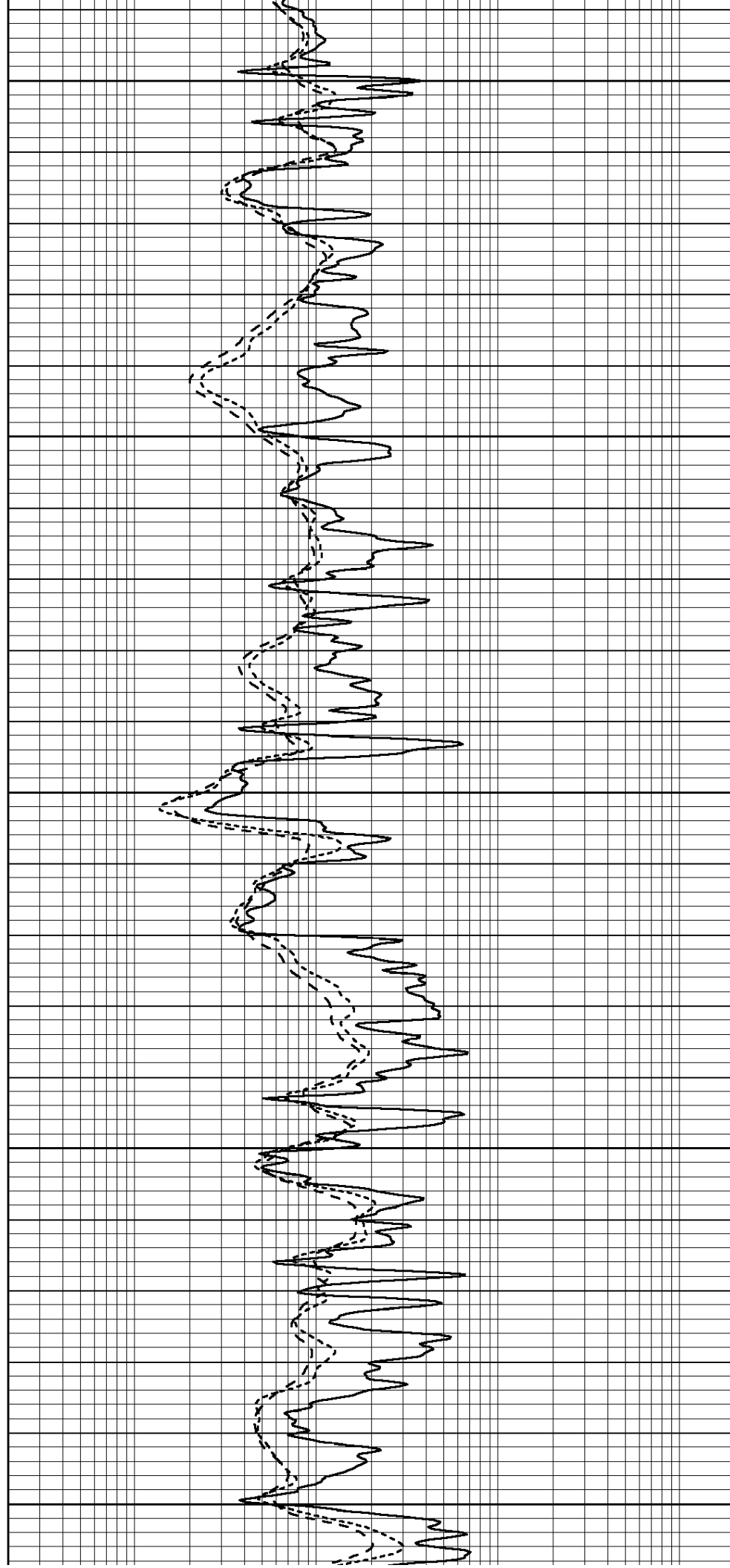
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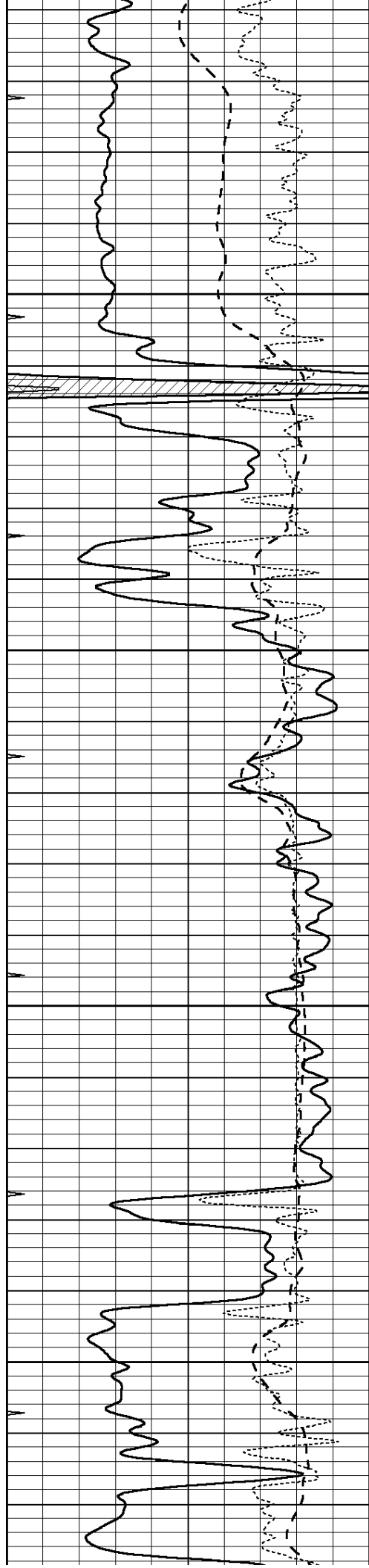
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2900

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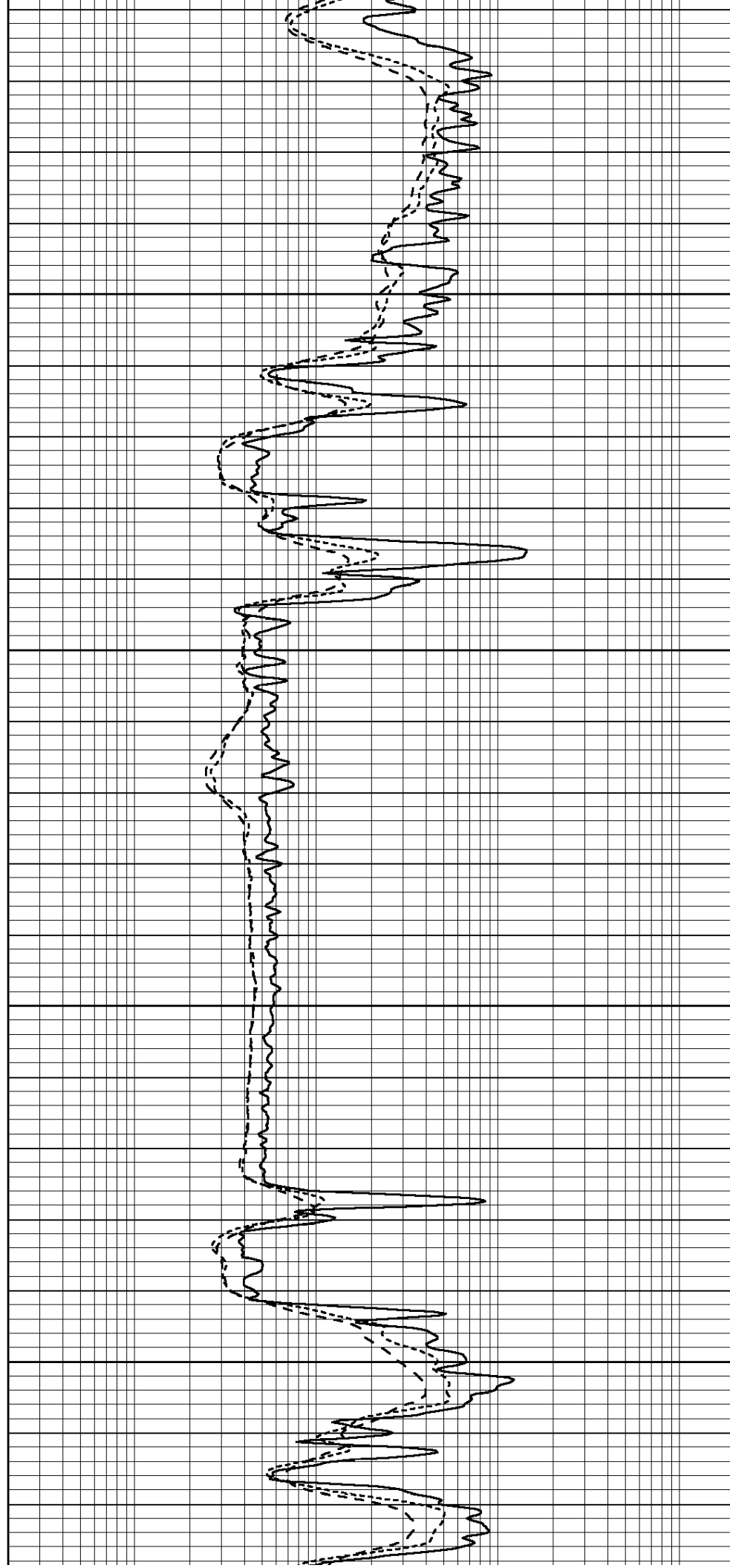


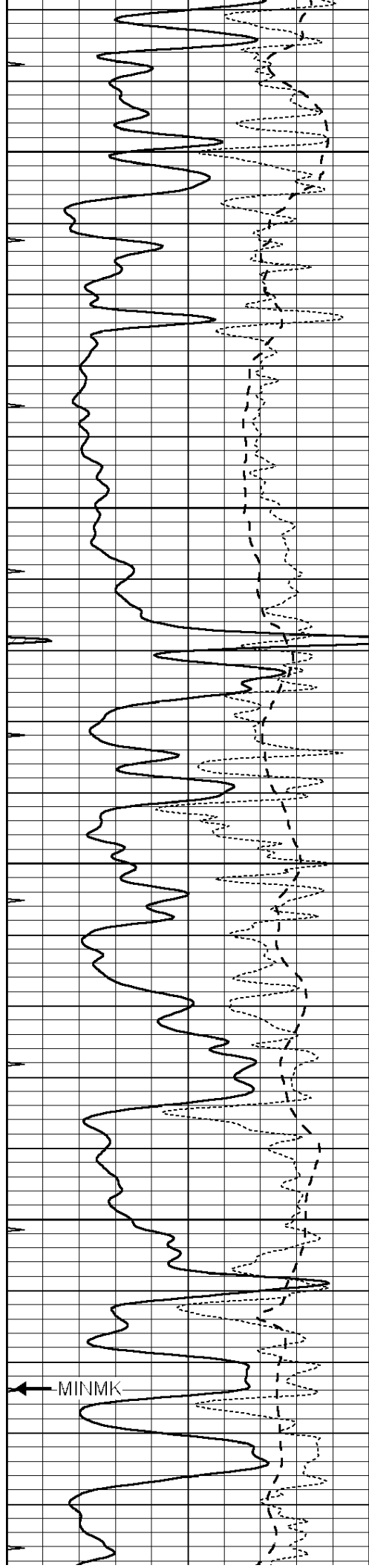
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3100

3150

3200



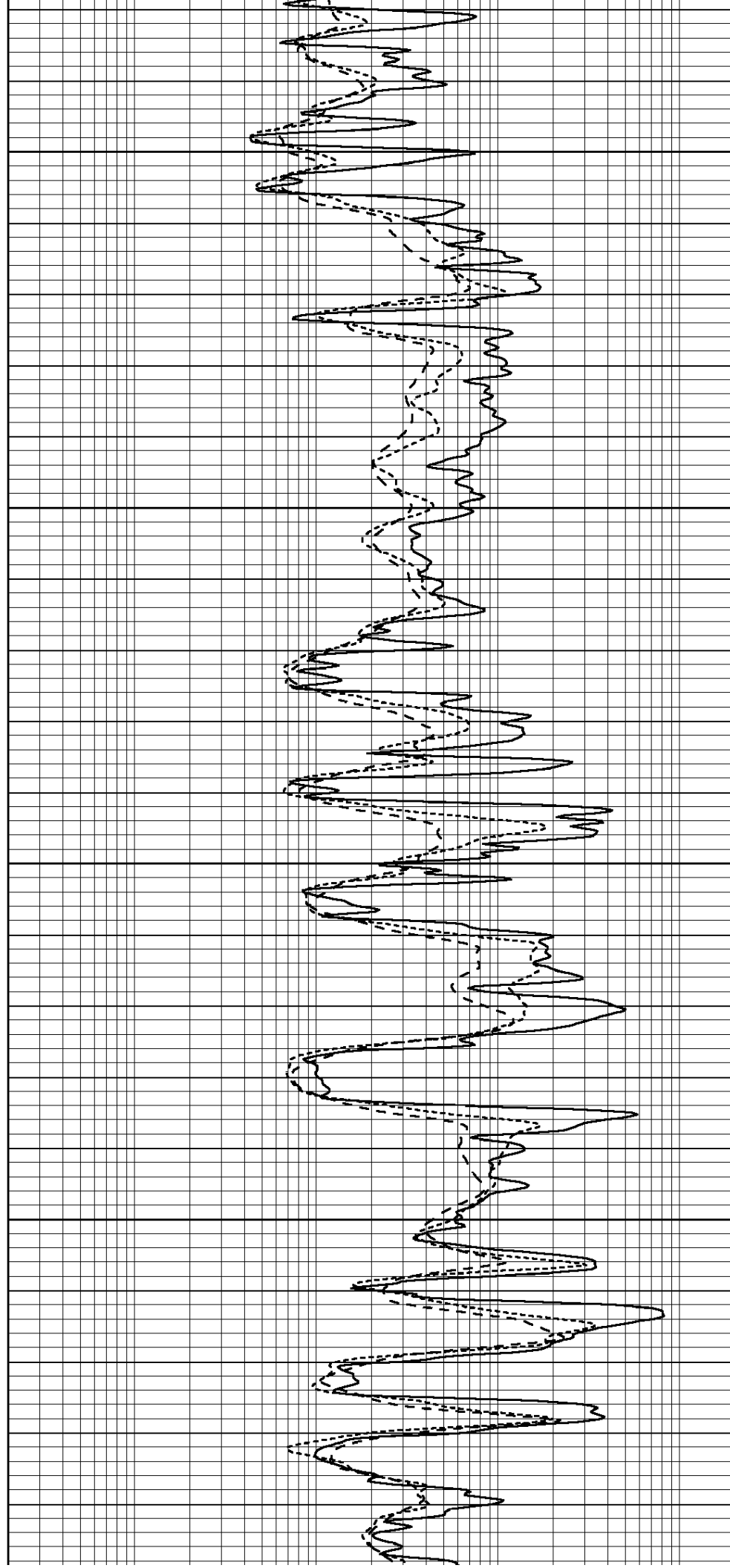


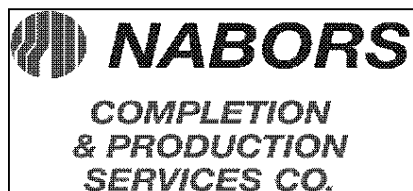
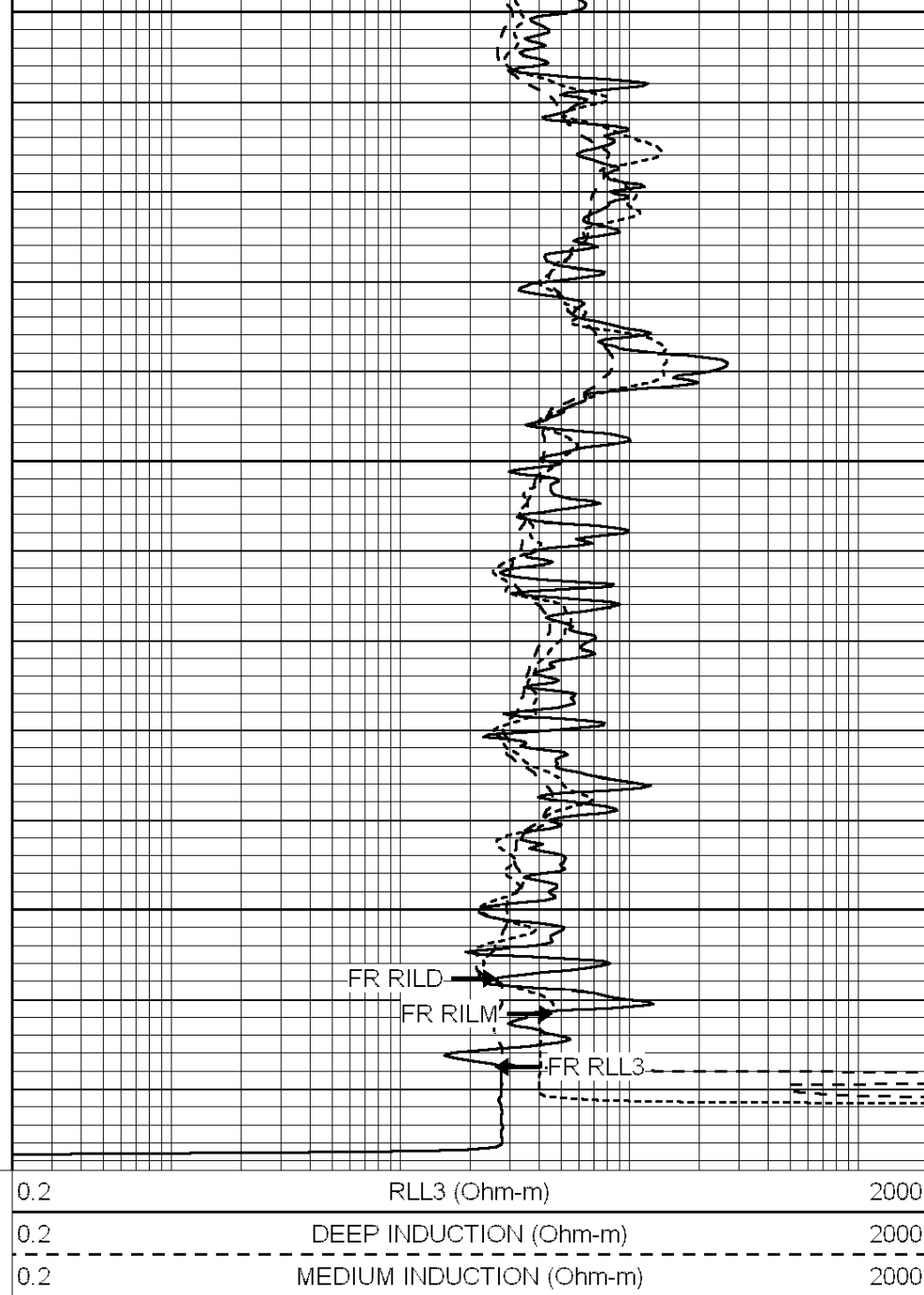
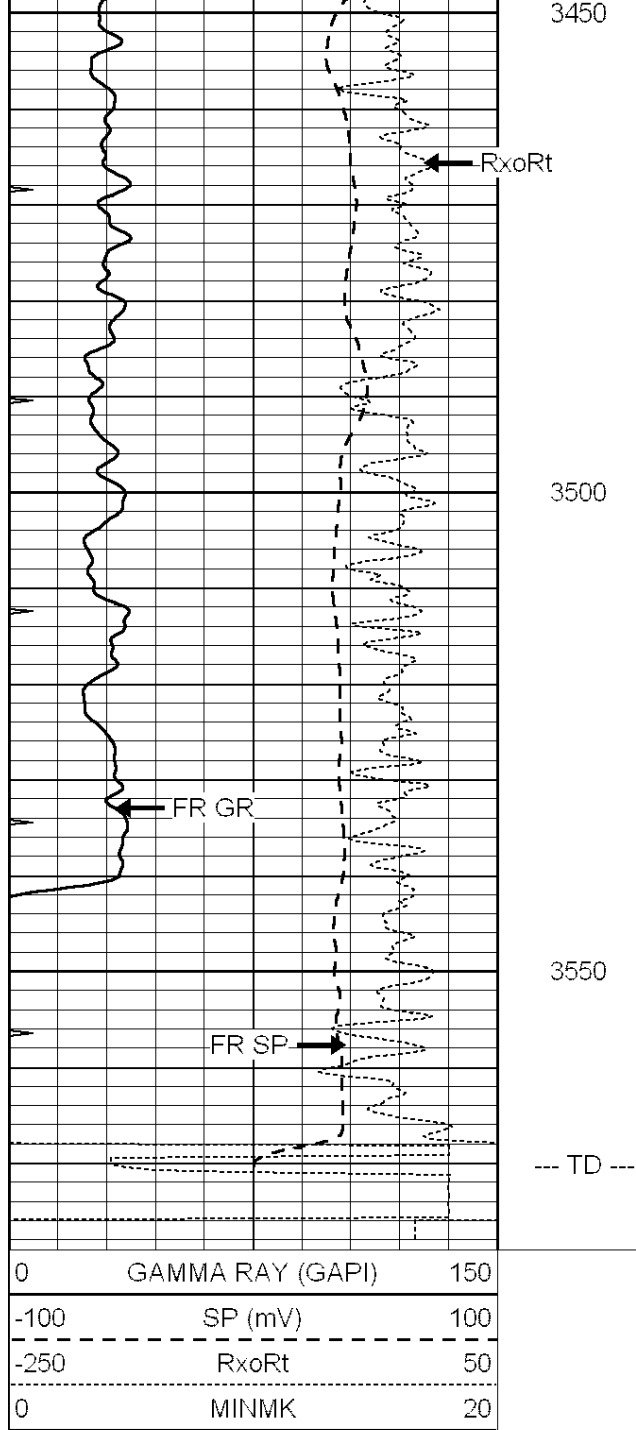
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3300

3350

3400



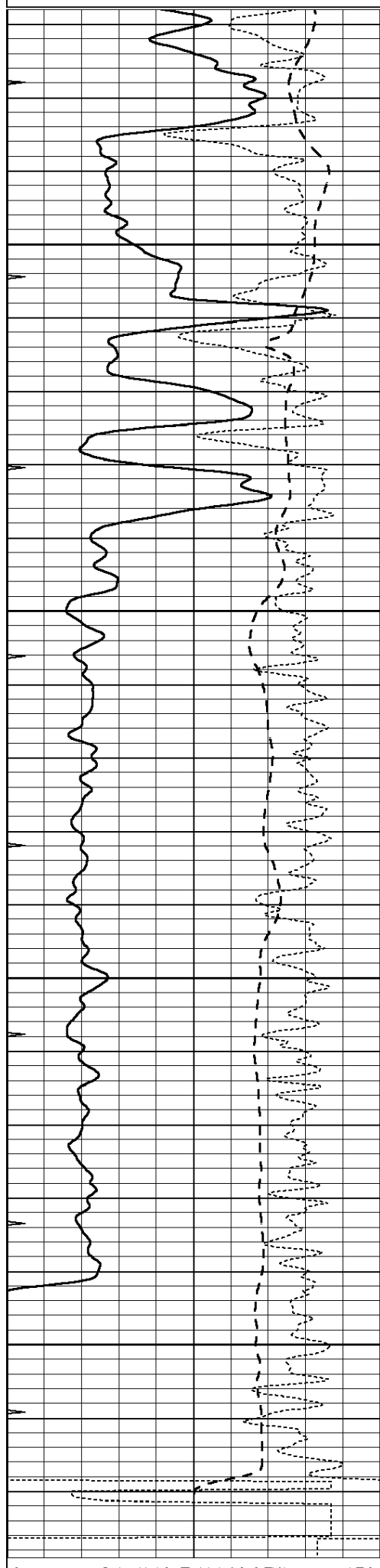


REPEAT SECTION

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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

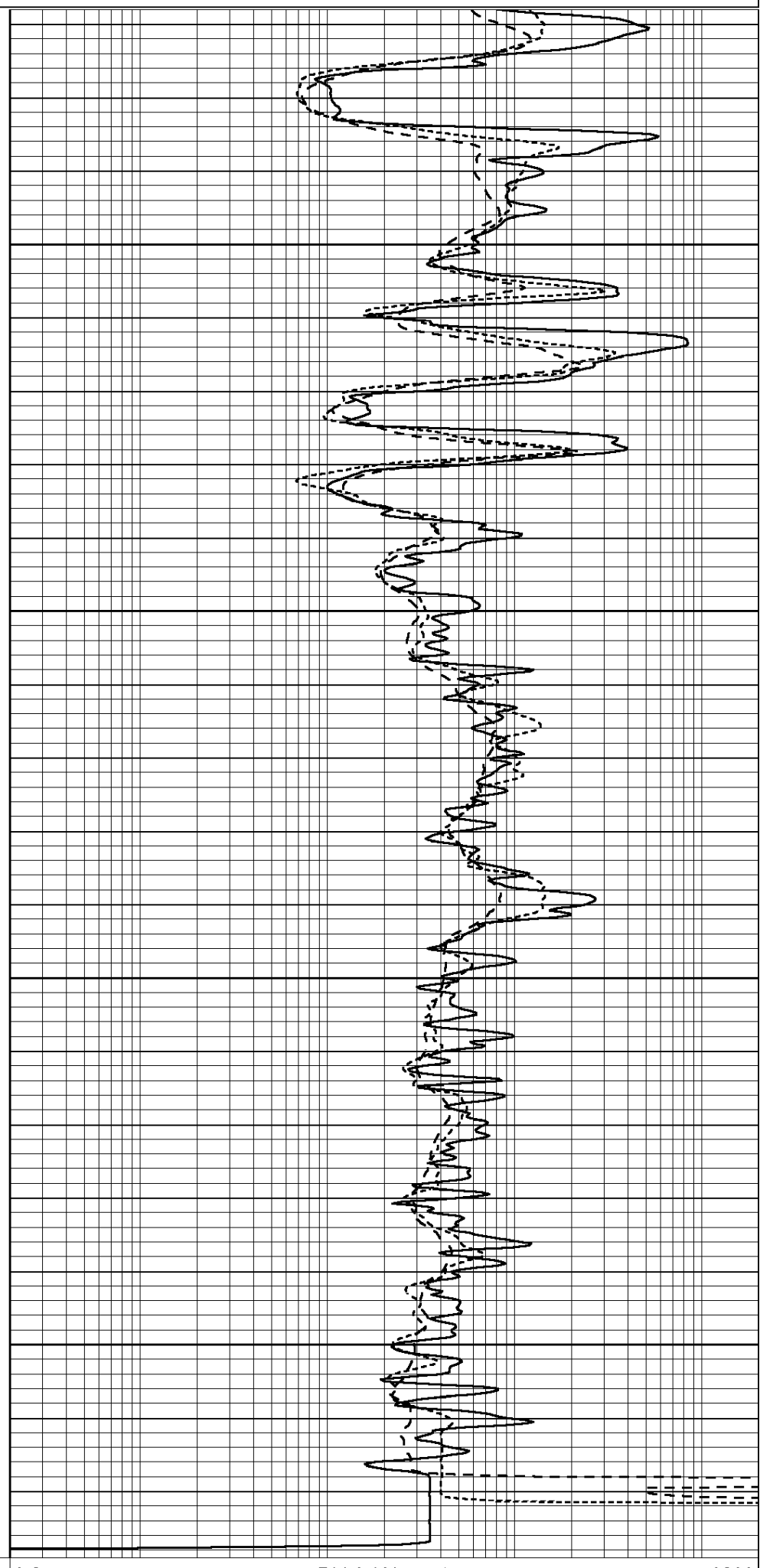


3400

3450

3500

3550



Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7500	GAPI/cps