



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company	RAYMOND OIL COMPANY, INC.		
Well	NUSS #1		
Field	WILDCAT		
County	LOGAN	State	KANSAS
Location:	API # : 15-109-21053-0000 1420' FSL & 1980' FWL		Other Services CDL/CNL MEL
SEC 35	TWP 13S	RGE 32W	Elevation
Permanent Datum	GROUND LEVEL	Elevation	K.B. 2877
Log Measured From	KELLY BUSHING 5' A.G.L.		D.F. 2875
Drilling Measured From	KELLY BUSHING		G.L. 2872
Date	3-15-12		
Run Number	ONE		
Depth Driller	4720		
Depth Logger	4721		
Bottom Logged Interval	4719		
Top Log Interval	0		
Casing Driller	257		
Casing Logger			
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 51	CHLORIDES 4, 200	
pH / Fluid Loss	9.5 / 10.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.60 @ 87F		
Rmf @ Meas. Temp	0.45 @ 87F		
Rmc @ Meas. Temp	0.72 @ 87F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.43 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	122F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	KIM SHOEMAKER		

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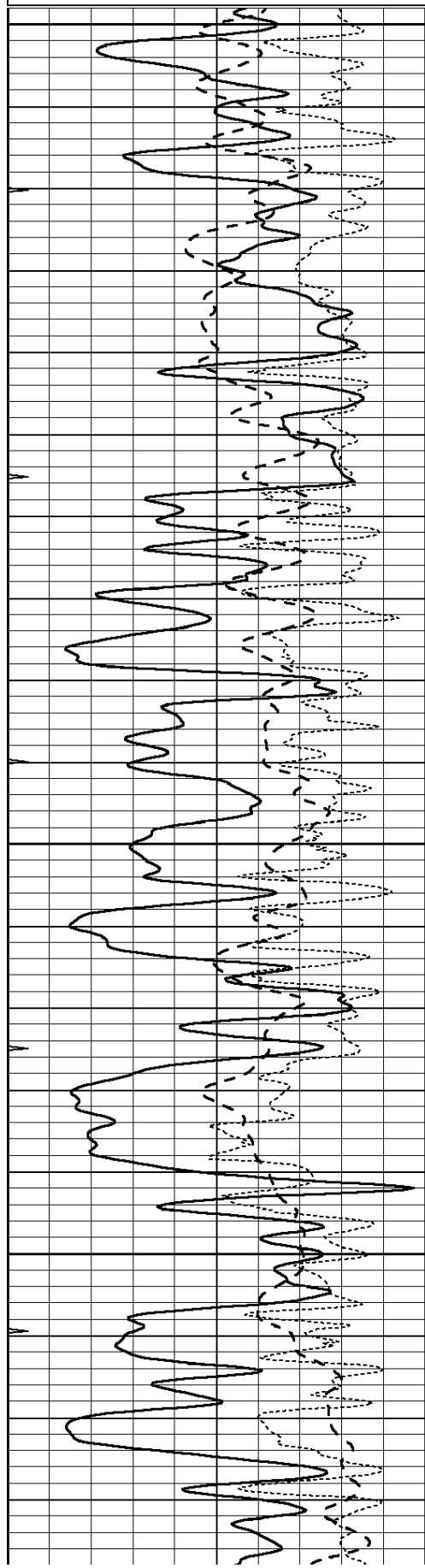
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY, KS - 16 MILES SOUTH TO NAVAJO RD - 1/2 MILE EAST
SOUTH INTO

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

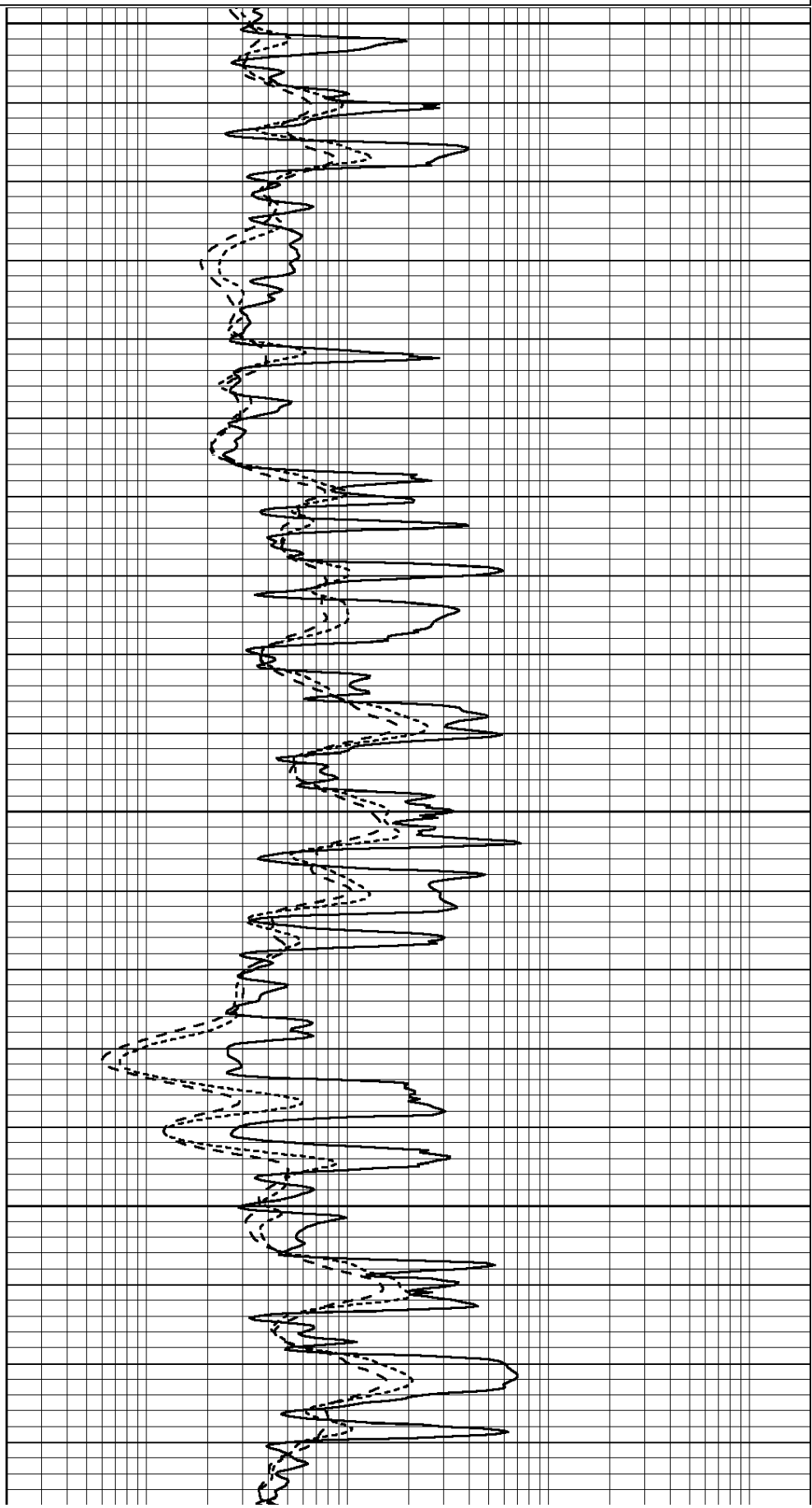


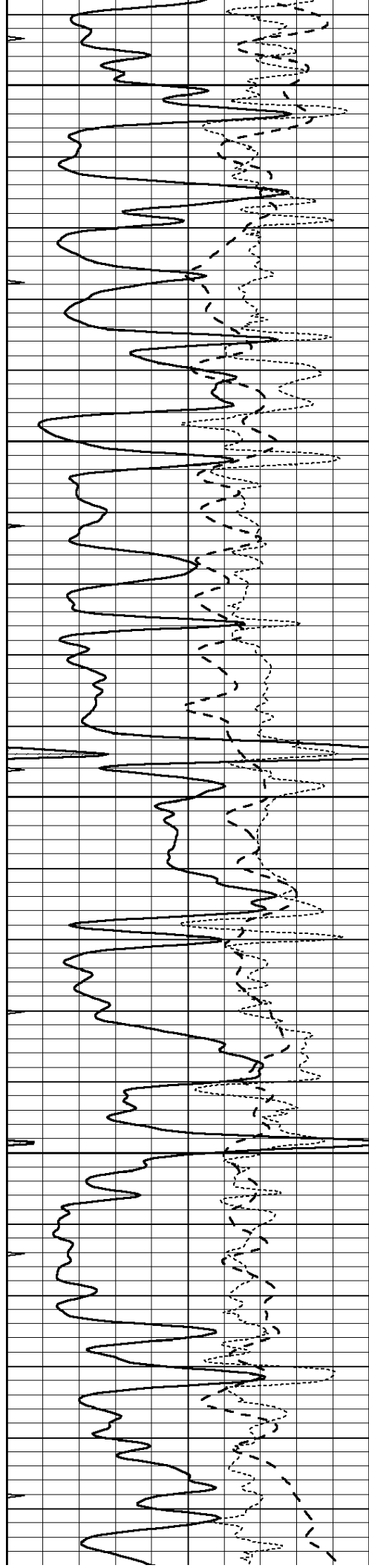
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3500

3550

3600





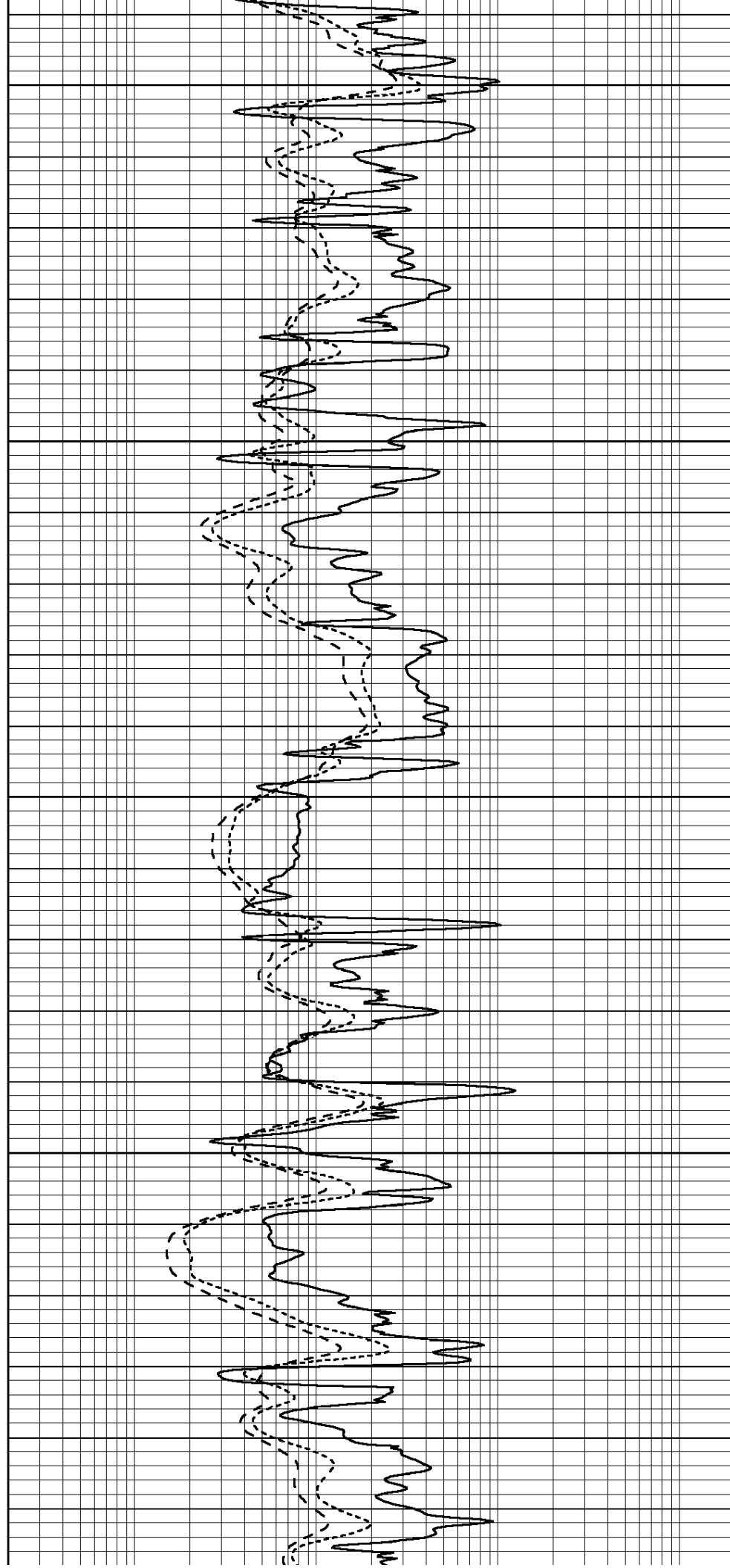
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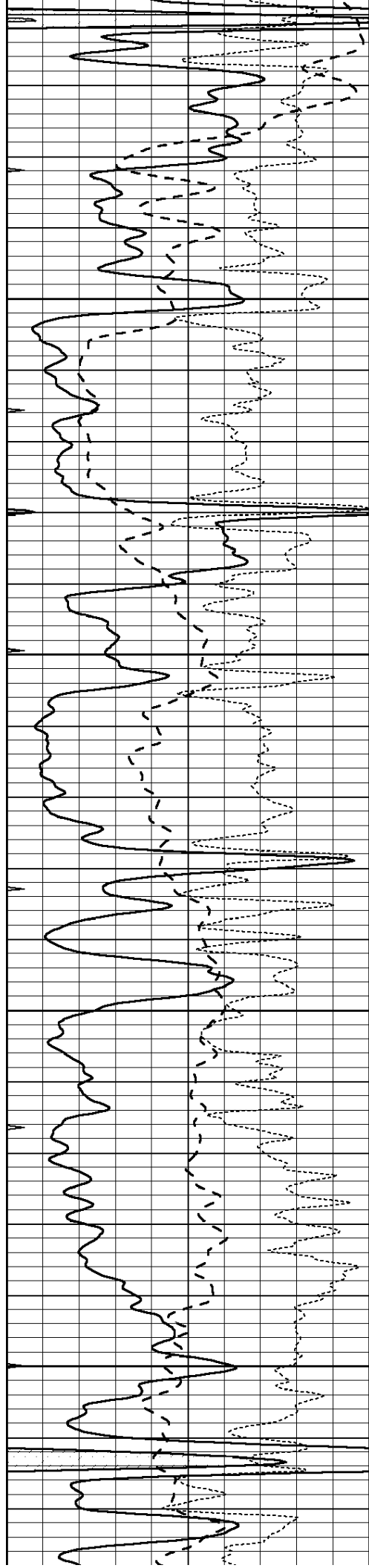
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3750

3800

3850



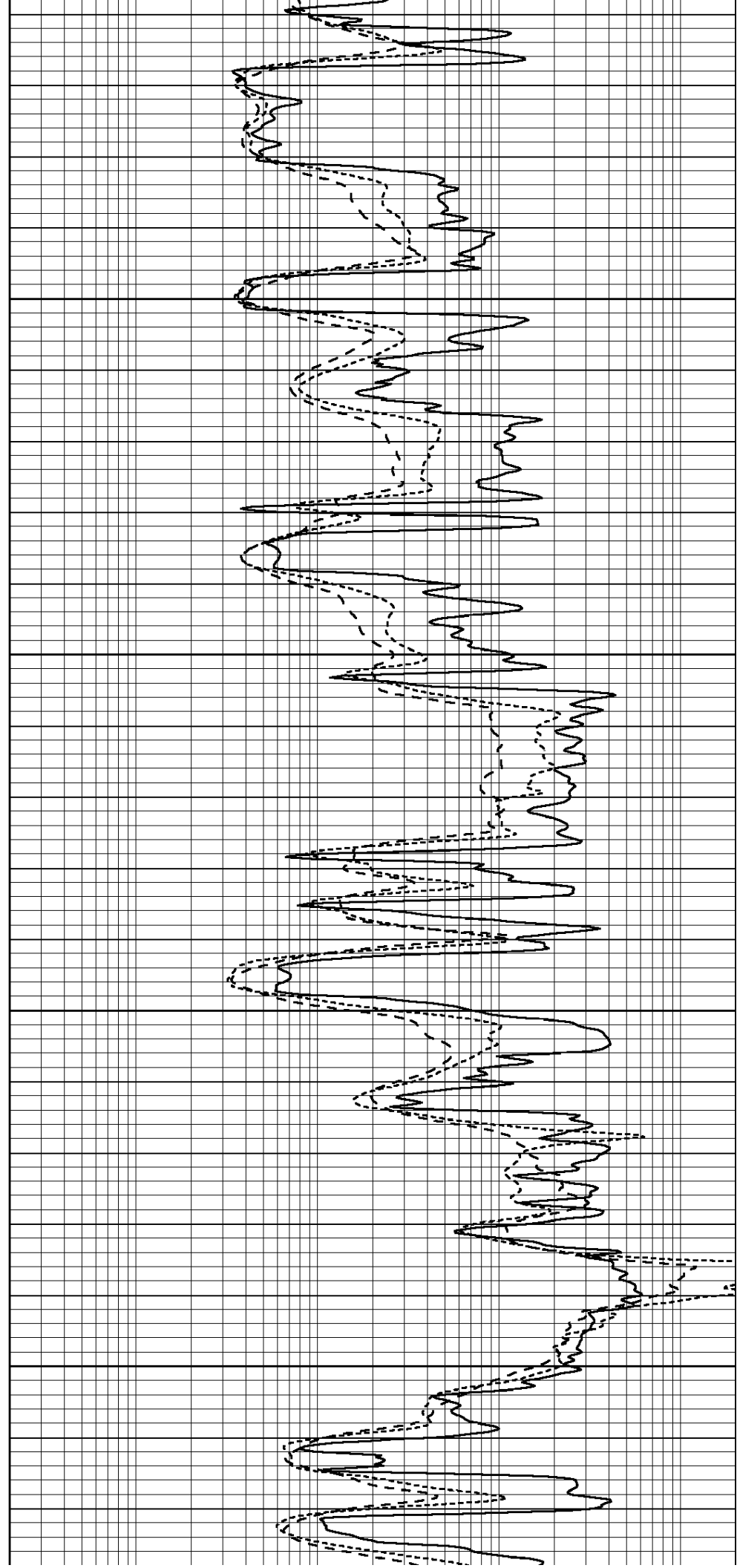


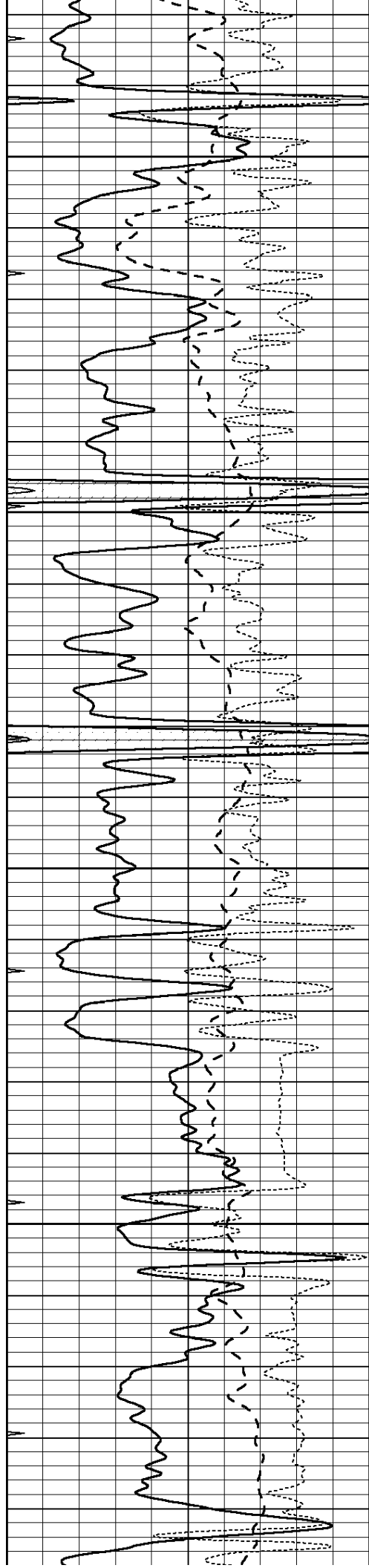
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3950

4000

4050



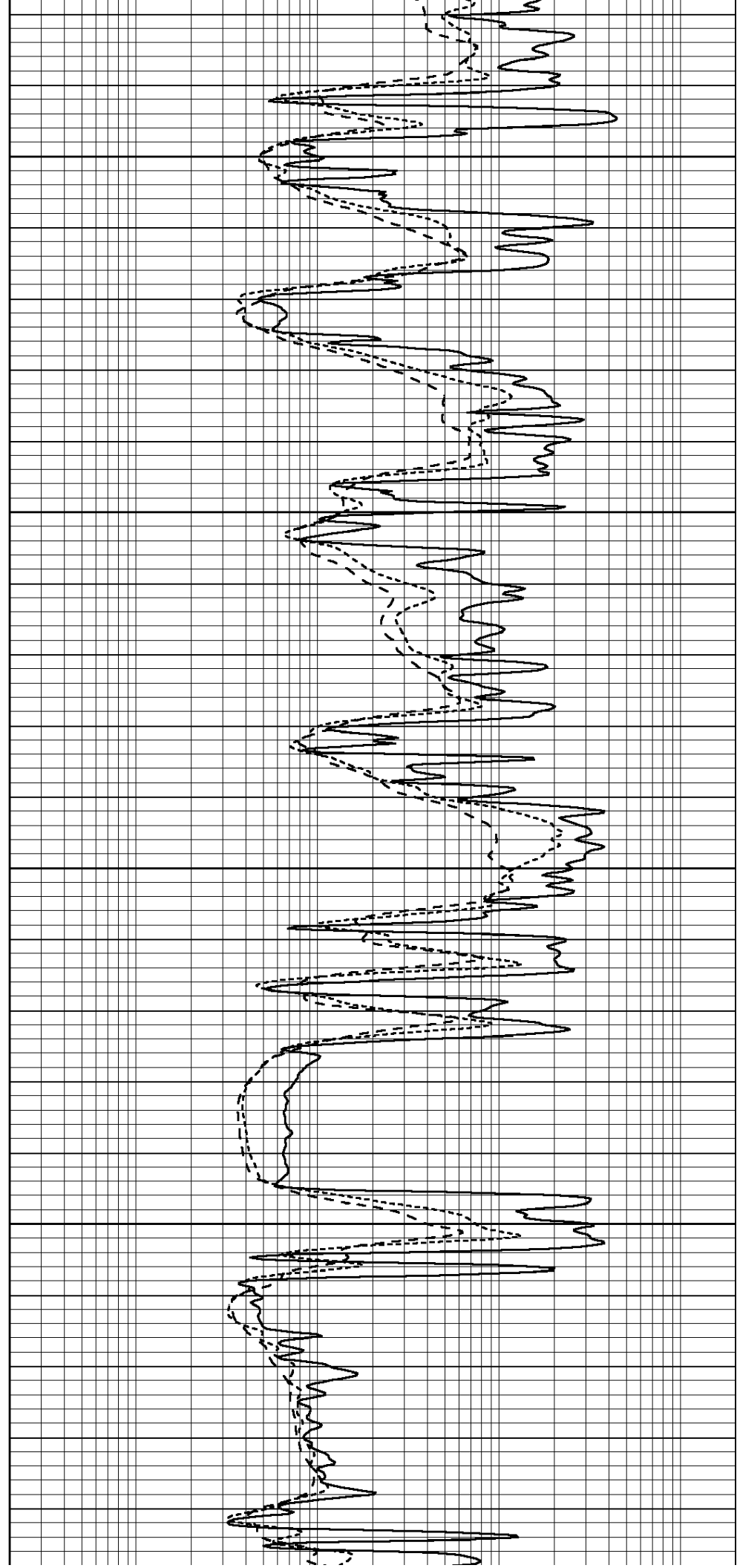


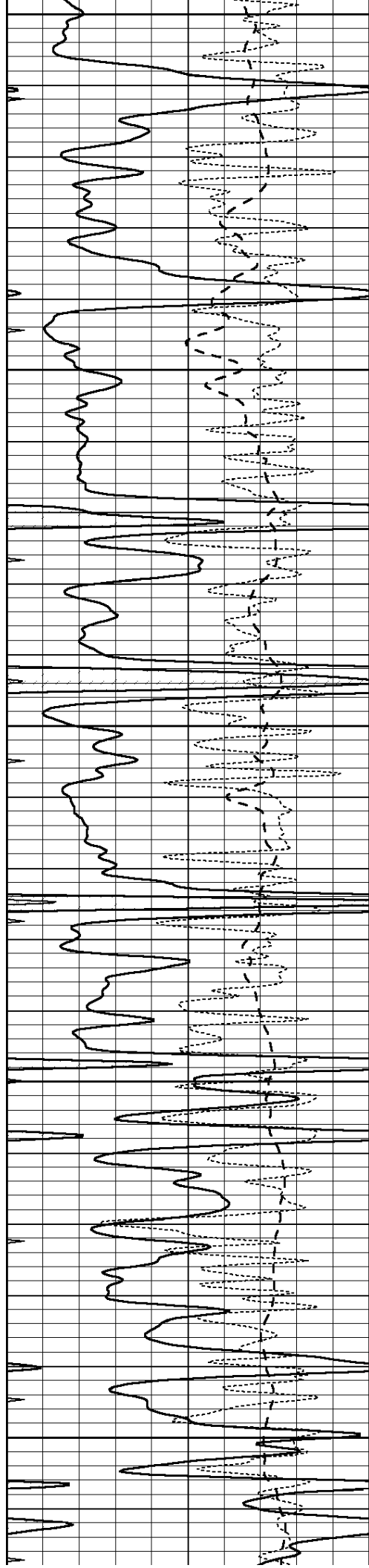
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4150

4200

4250





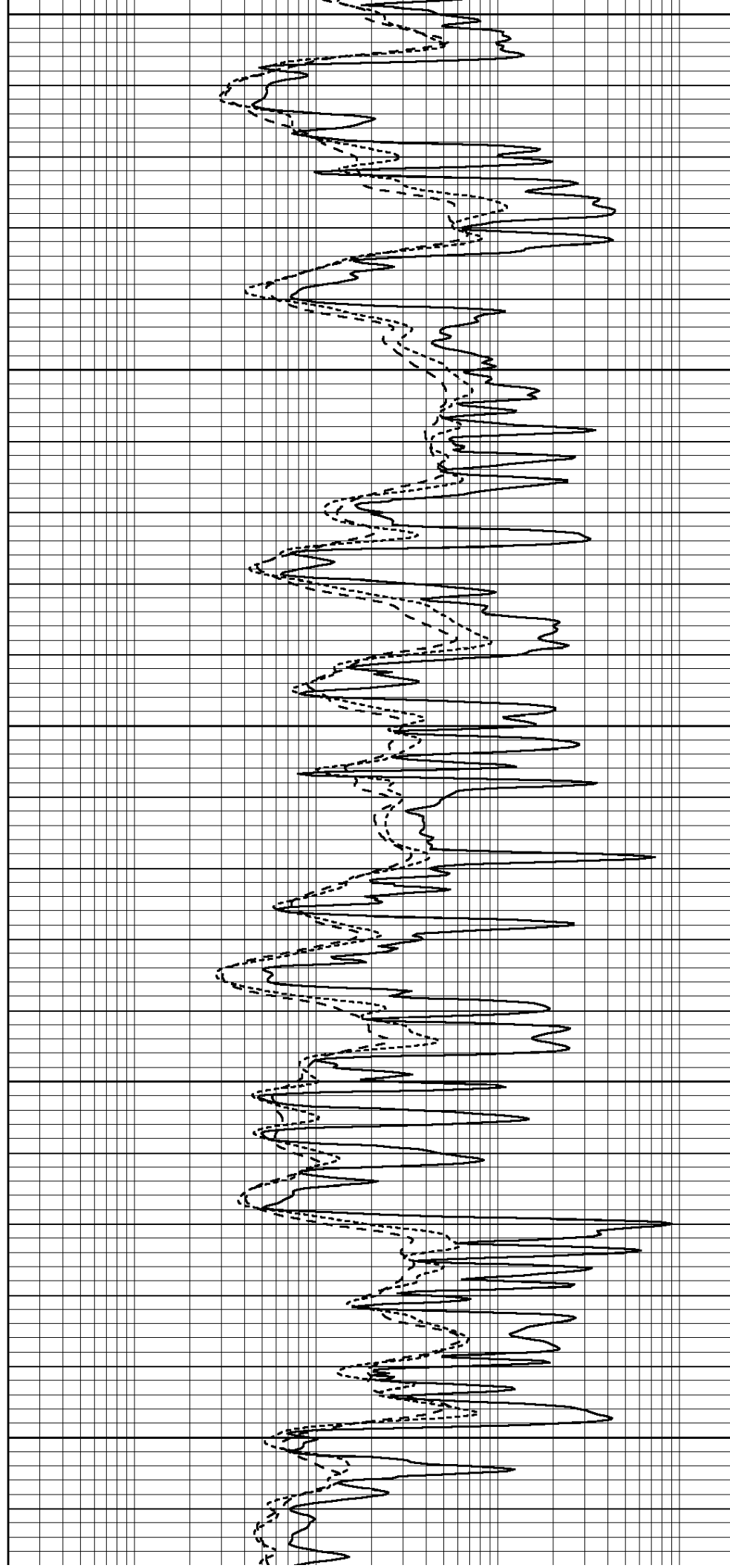
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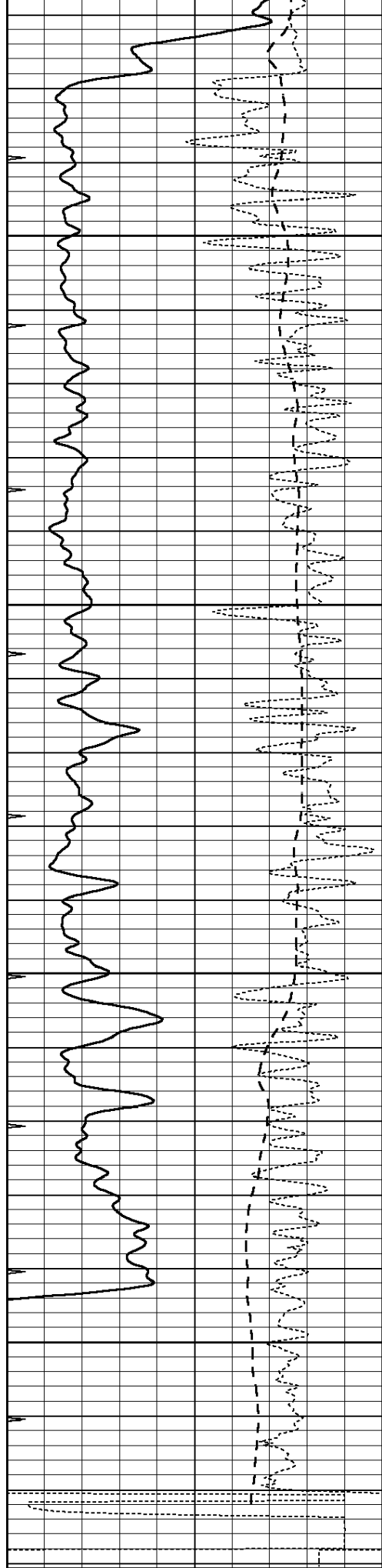
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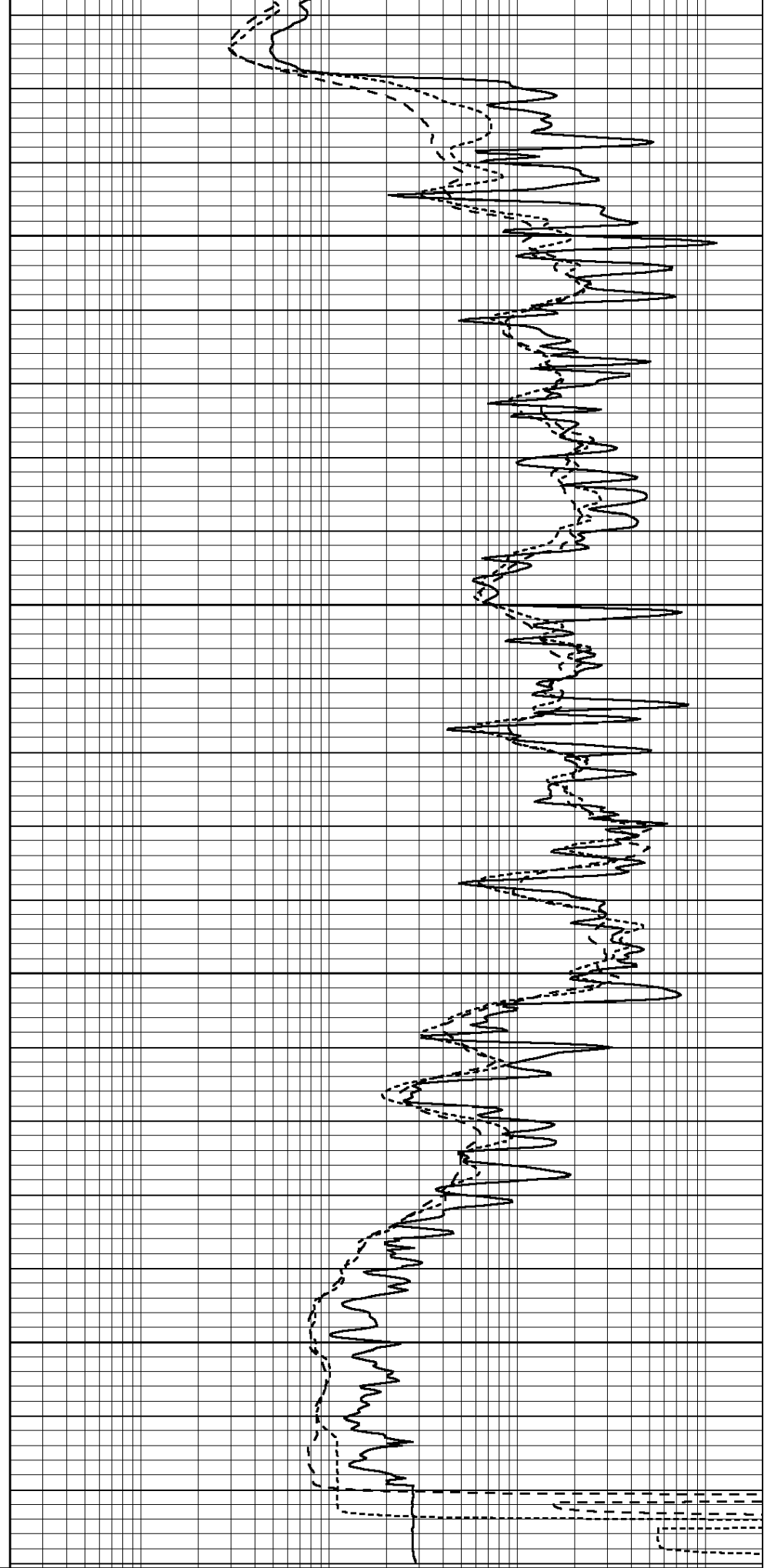
4550

4600

4650

4700

0 GAMMA RAY (GAPI) 150
-100 SP (mV) 100



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

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

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