

DUAL INDUCTION LOG

Company	DNR OIL AND GAS, INC.		
Well	ZUEGE #13-23		
Field	UNNAMED		
County	CHEYENNE	State	KANSAS
Location:	API # : 15-023-21511-0000		Other Services CDL/CNL/MEL SON
SEC 23 TWP 1S RGE 41W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	3578
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 3583	
Drilling Measured From	KELLY BUSHING	D.F. 3581	
		G.L. 3578	
Date	5/11/19		
Run Number	ONE		
Depth Driller	5430		
Depth Logger	5433		
Bottom Logged Interval	5432		
Top Log Interval	00		
Casing Driller	8 5/8" @ 302		
Casing Logger	302		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/55		
pH / Fluid Loss	10.5/6.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.4 @ 59F		
Rmt @ Meas. Temp	1.05 @ 59F		
Rmc @ Meas. Temp	1.68 @ 59F		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.64 @ 129F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	129F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	TIM LAUER		

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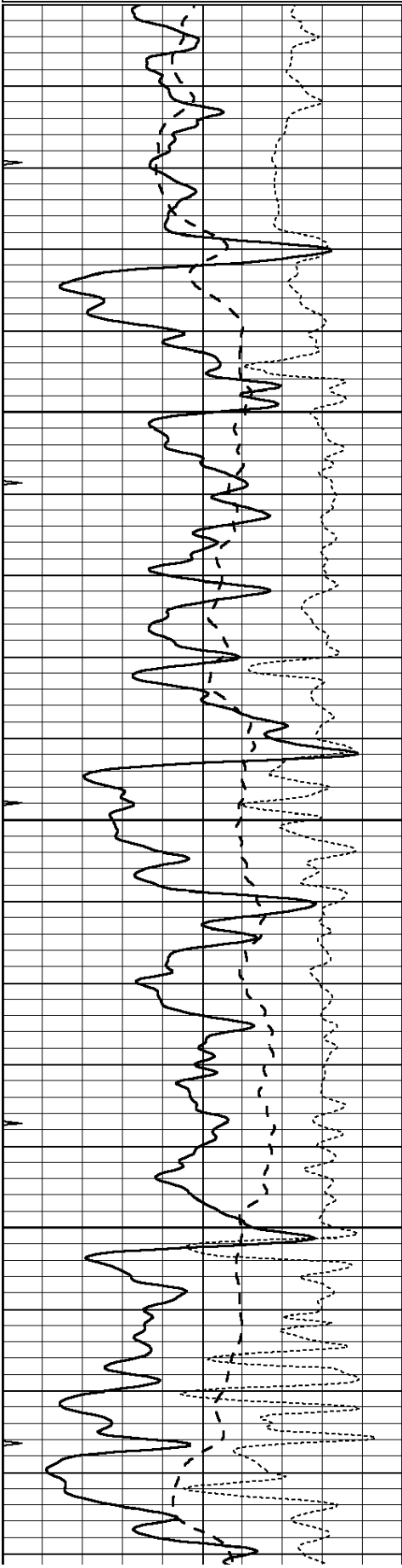
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 ELI WIRELINE, HAYS, KS. (785) 628-6395

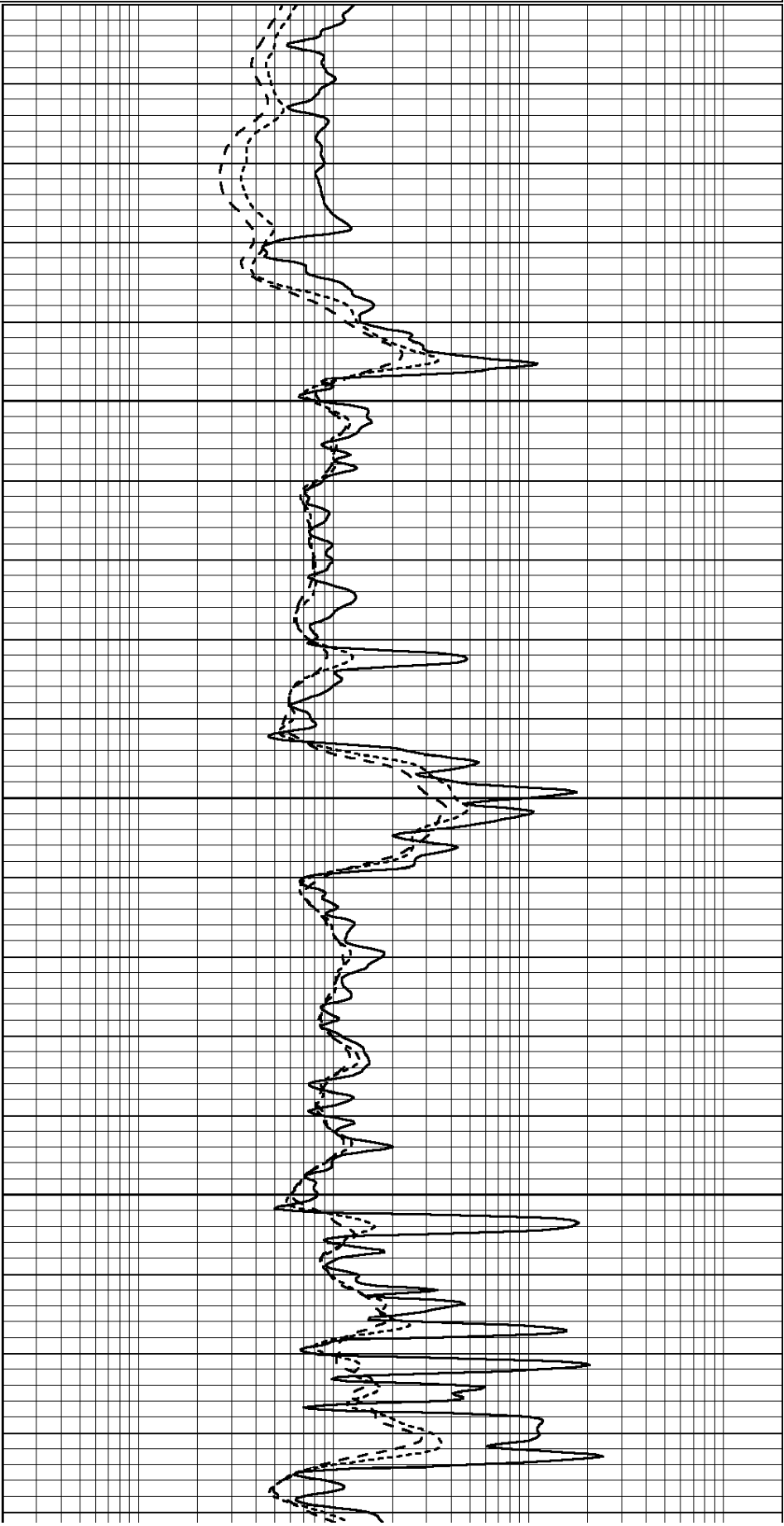
DIRECTIONS
ST. FRANCIS 2 W, 6N, 5W, 6N TO MM 22,
2 E, 1/3 N, E INTO

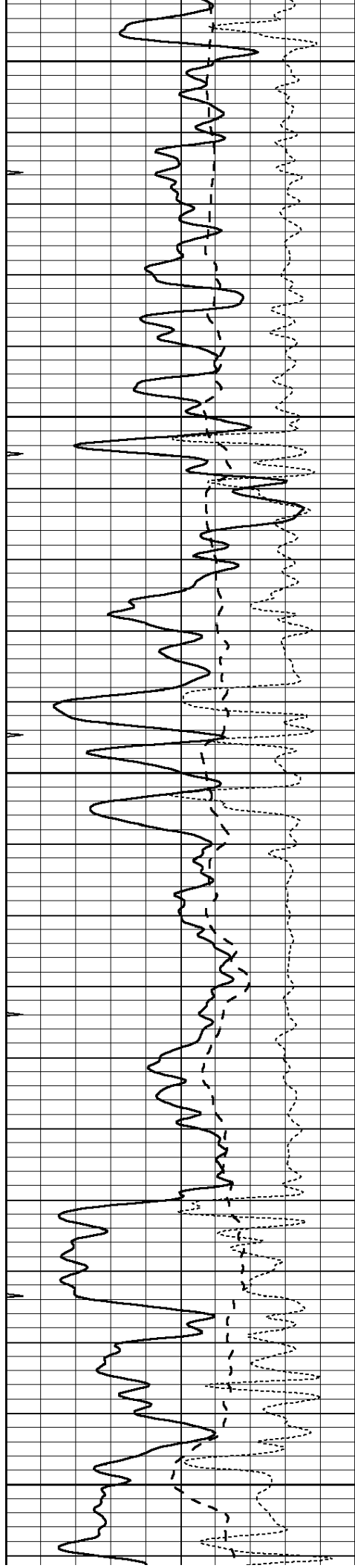
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



4000
4050
4100
4150

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





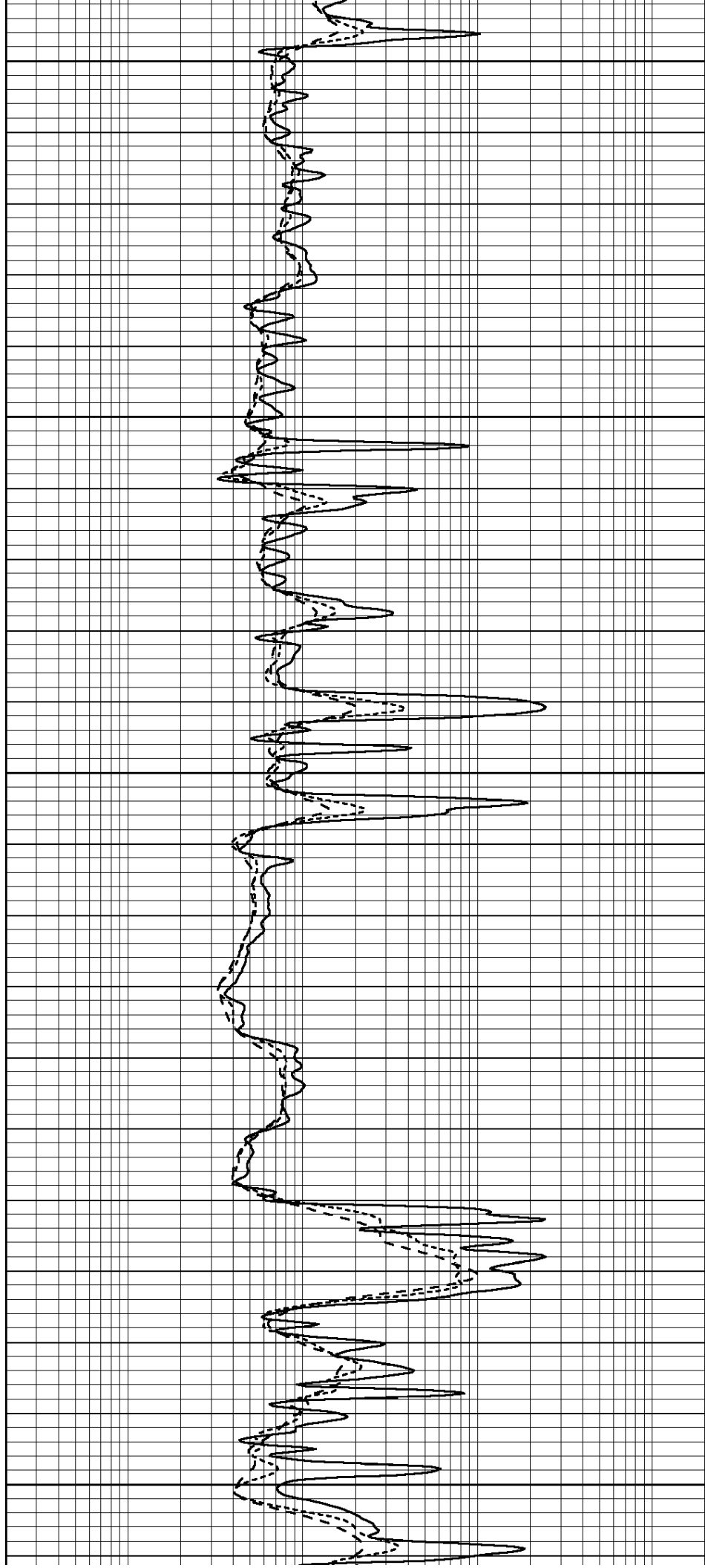
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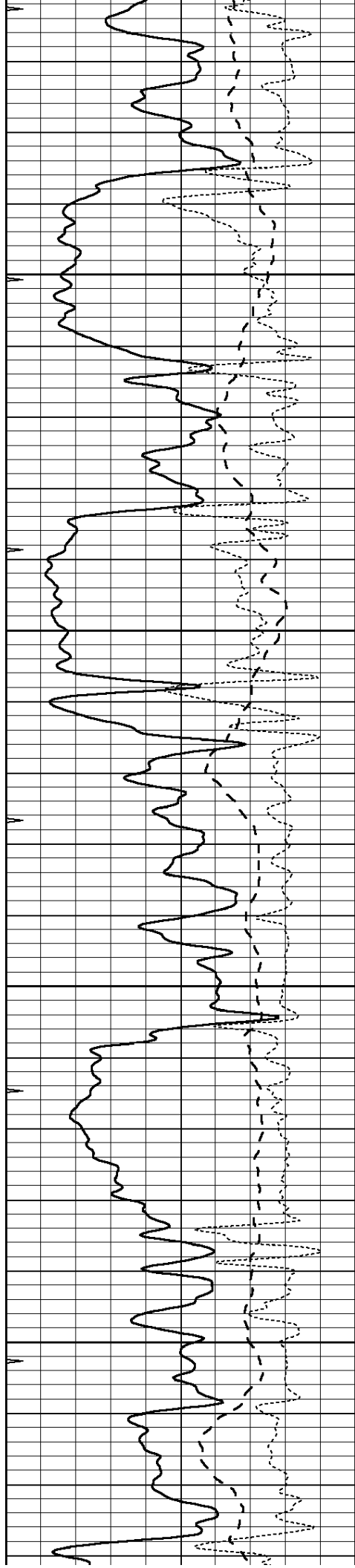
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4300

4350

4400



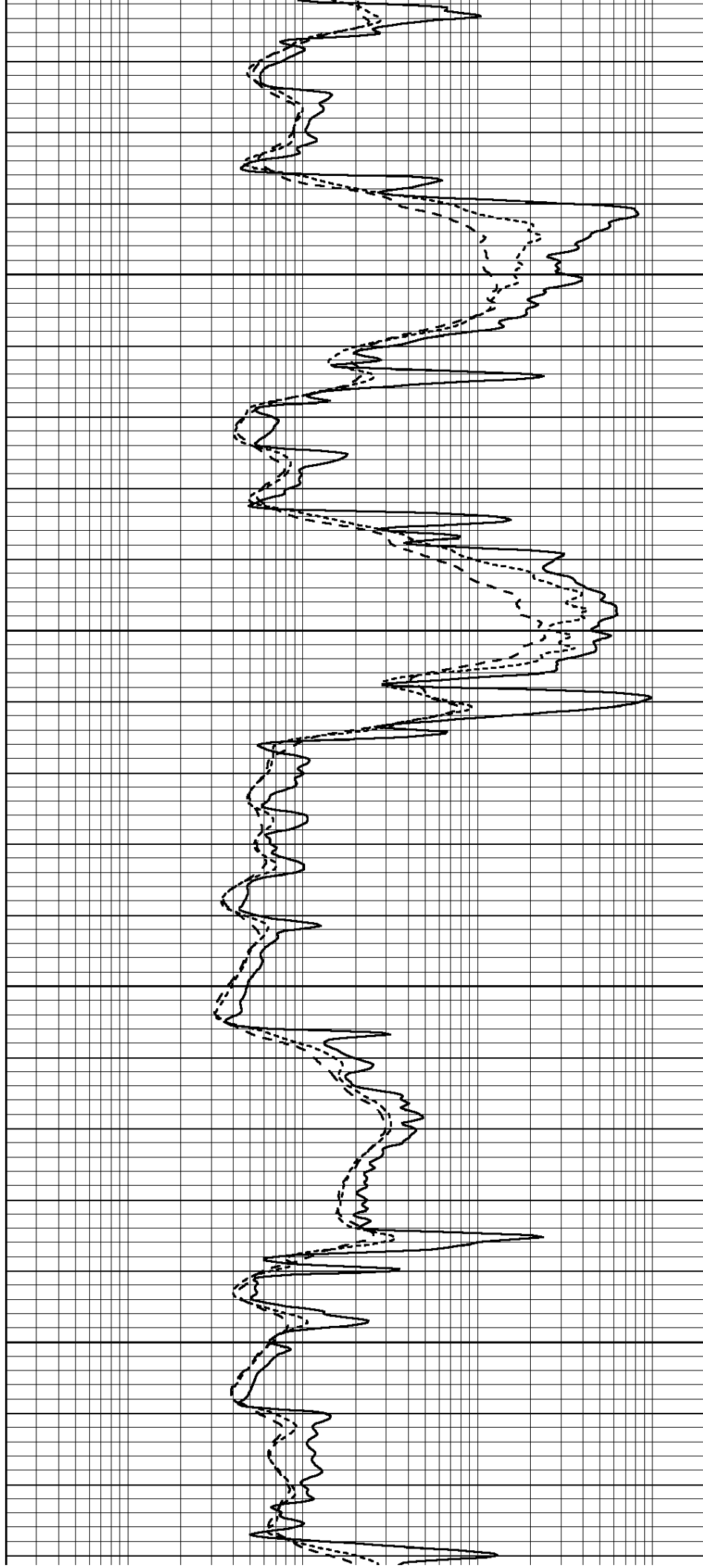


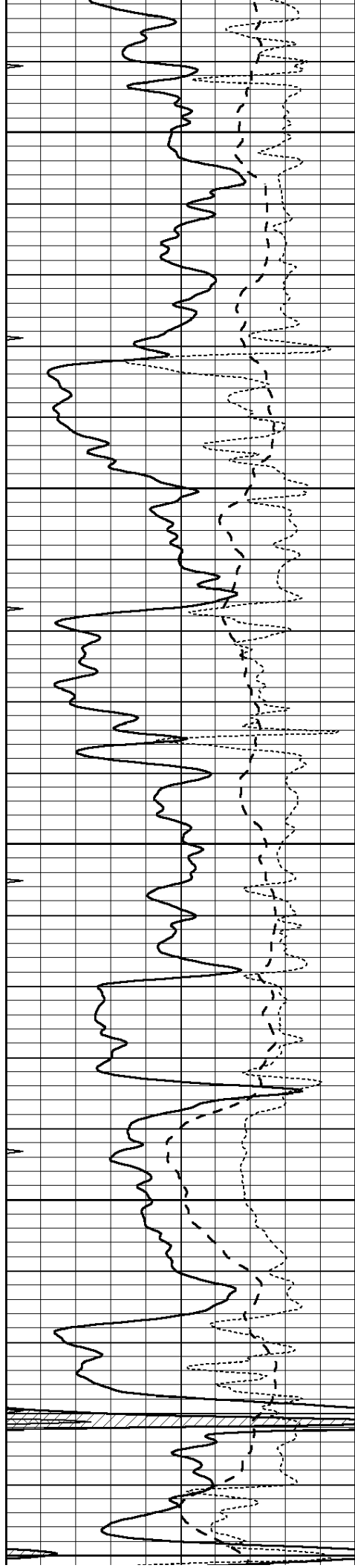
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4500

4550

4600





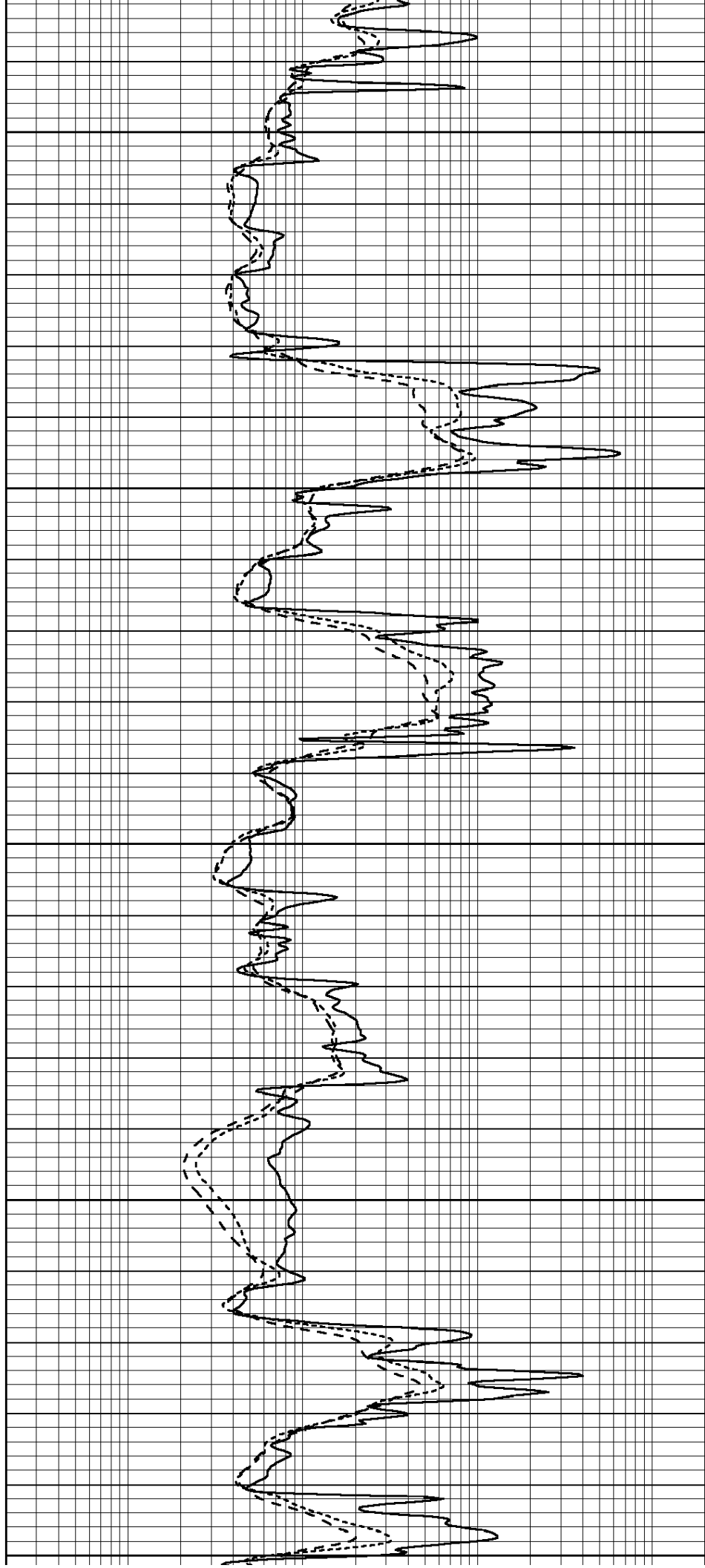
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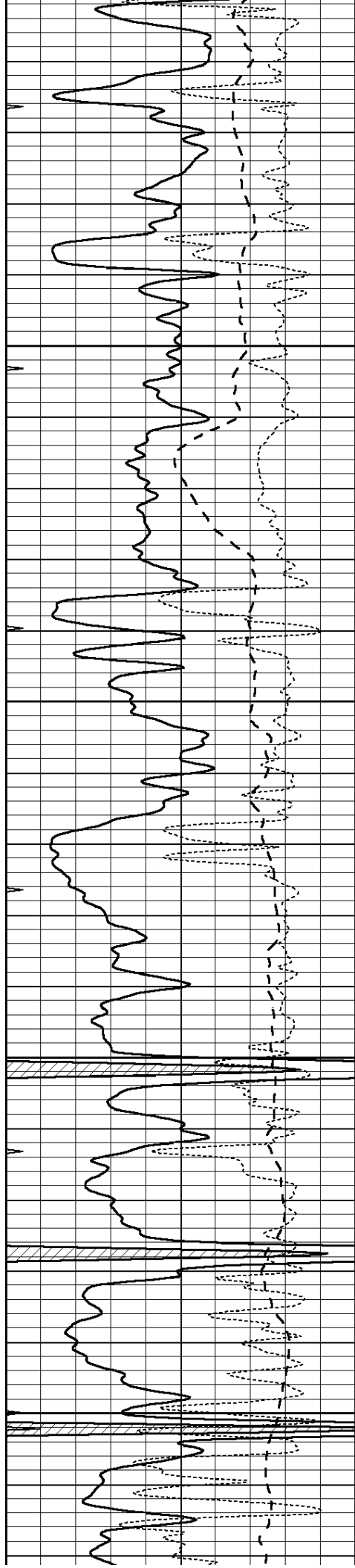
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4750

4800

4850



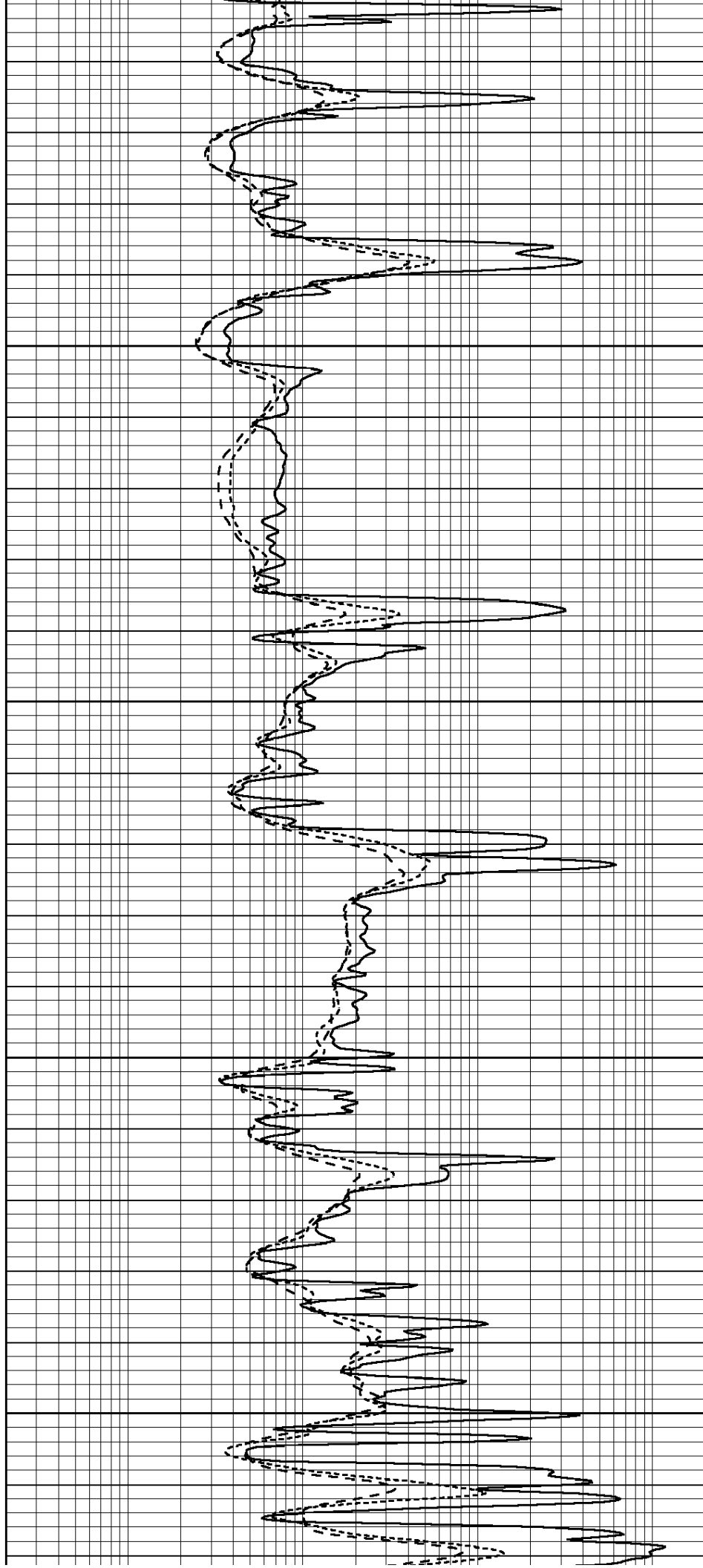


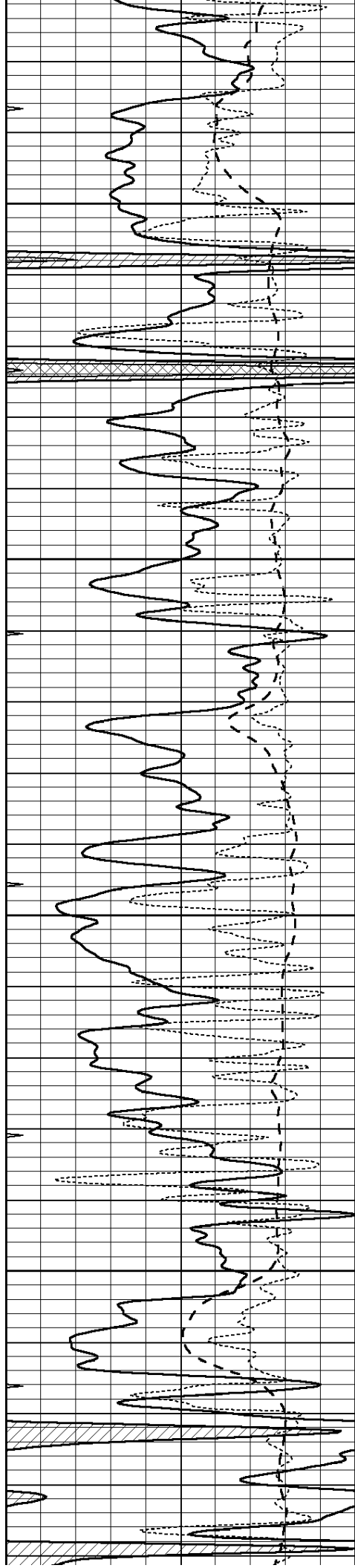
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4950

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5050



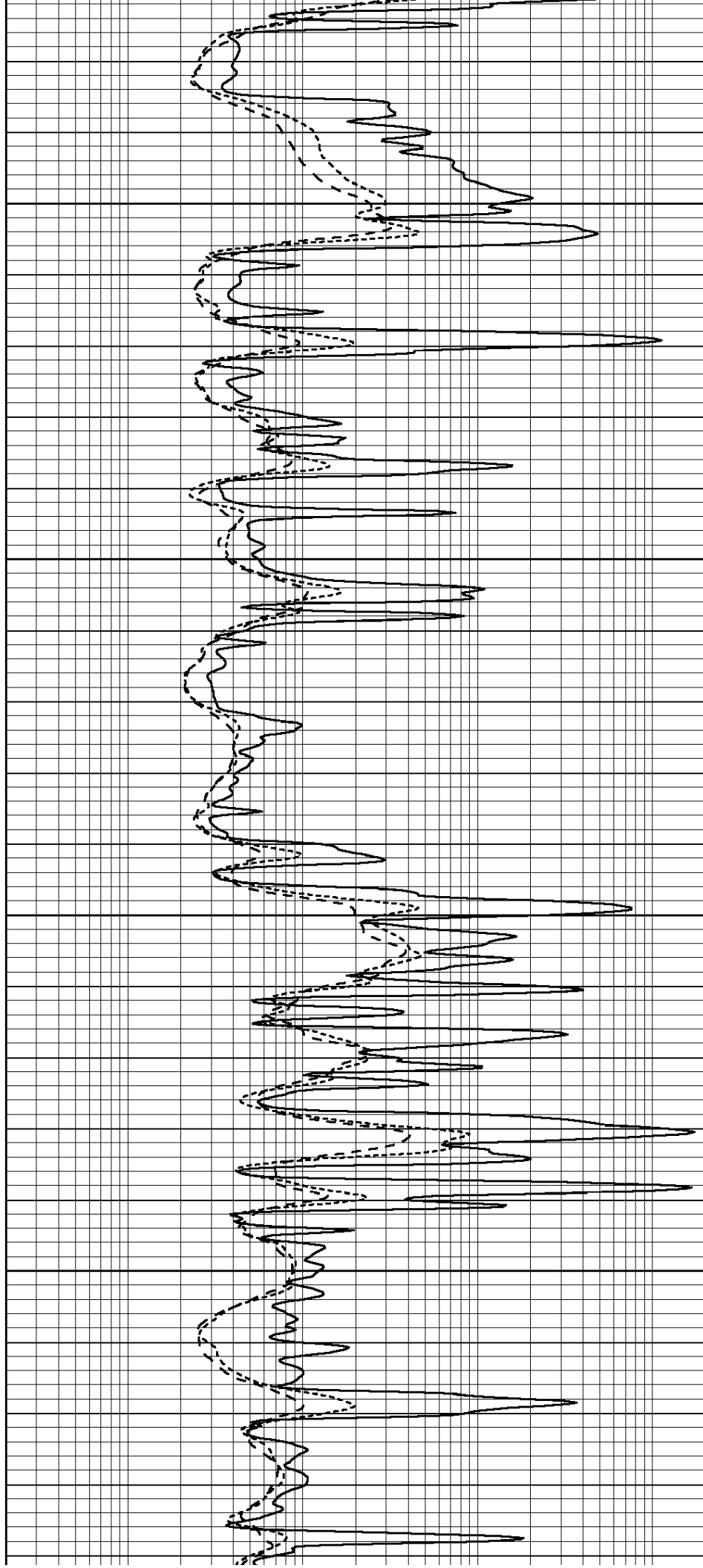


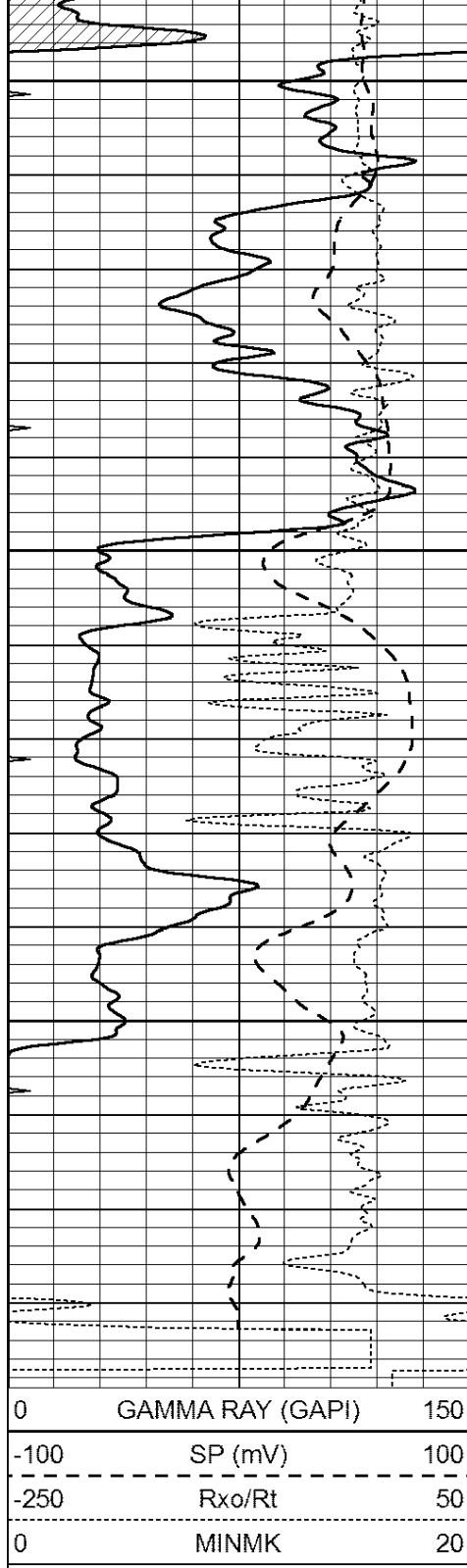
5100

5150

5200

5250

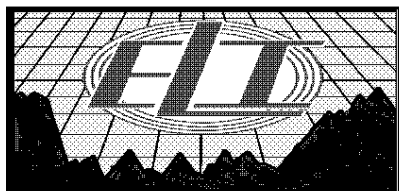
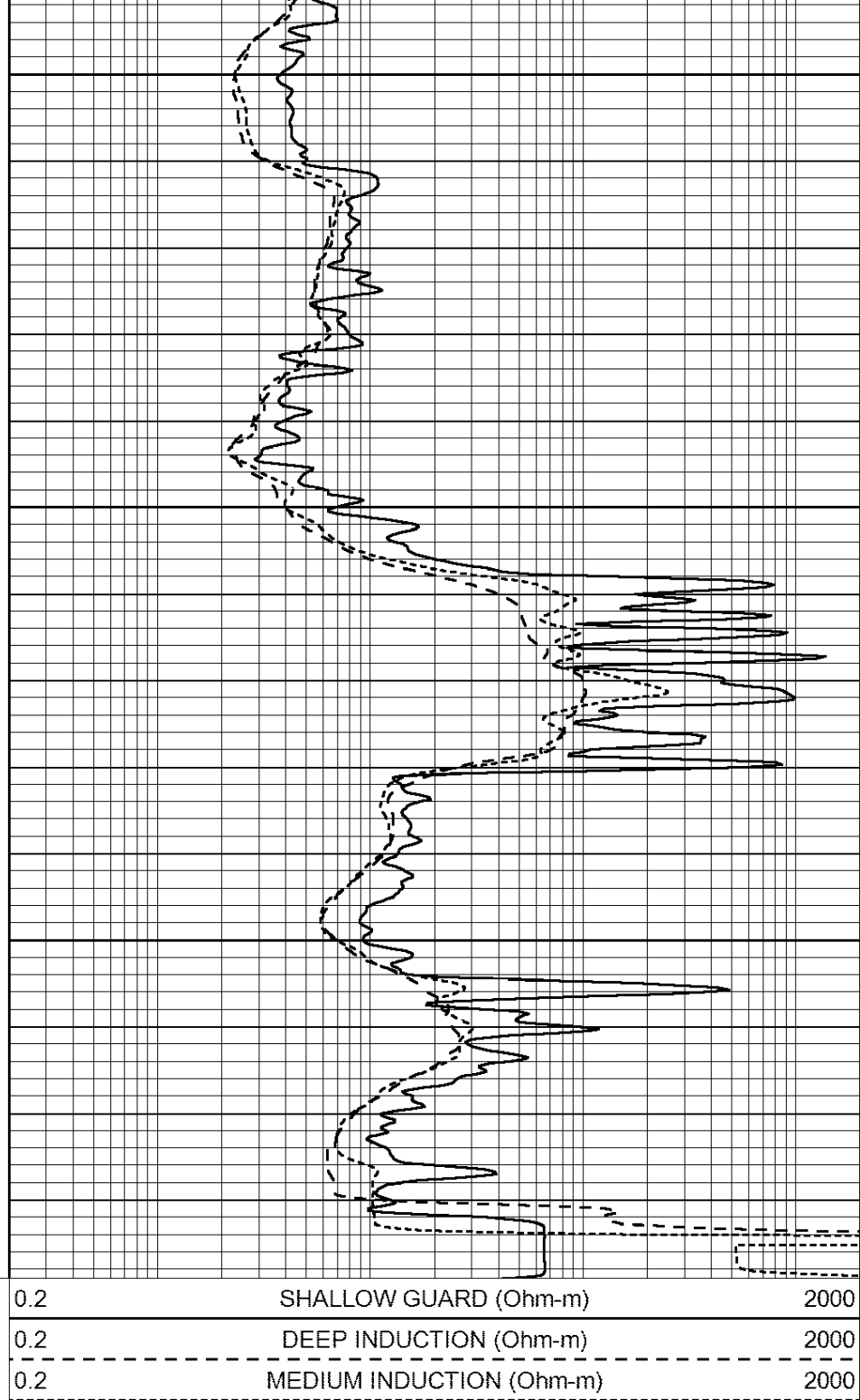




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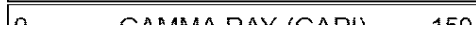
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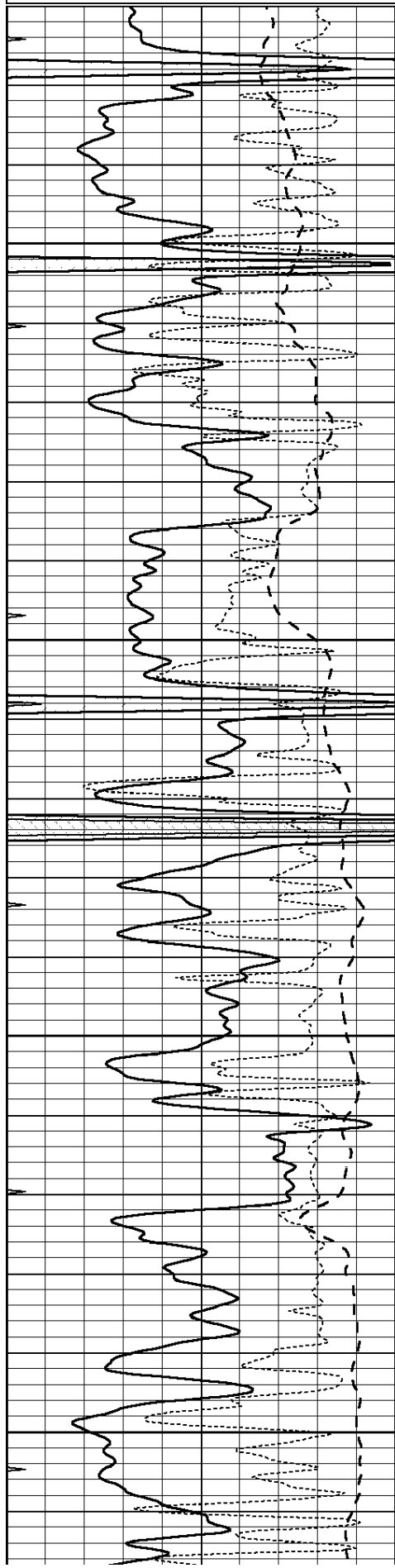


REPEAT SECTION

Database File: 3679pe.db
 Dataset Pathname: pass2.1
 Presentation Format: _dil
 Dataset Creation: Sat May 11 11:20:03 2019 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	MINMK	20



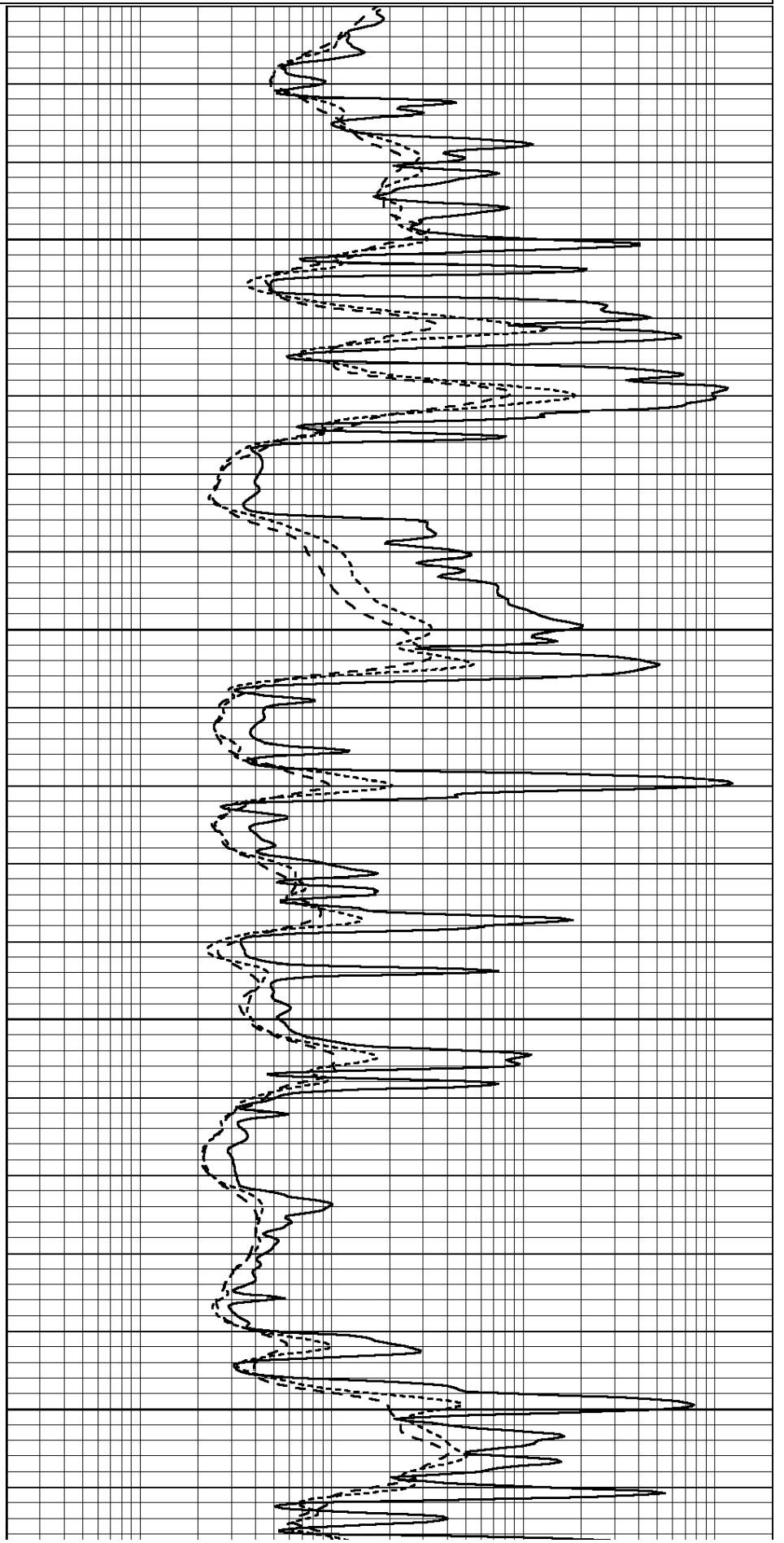
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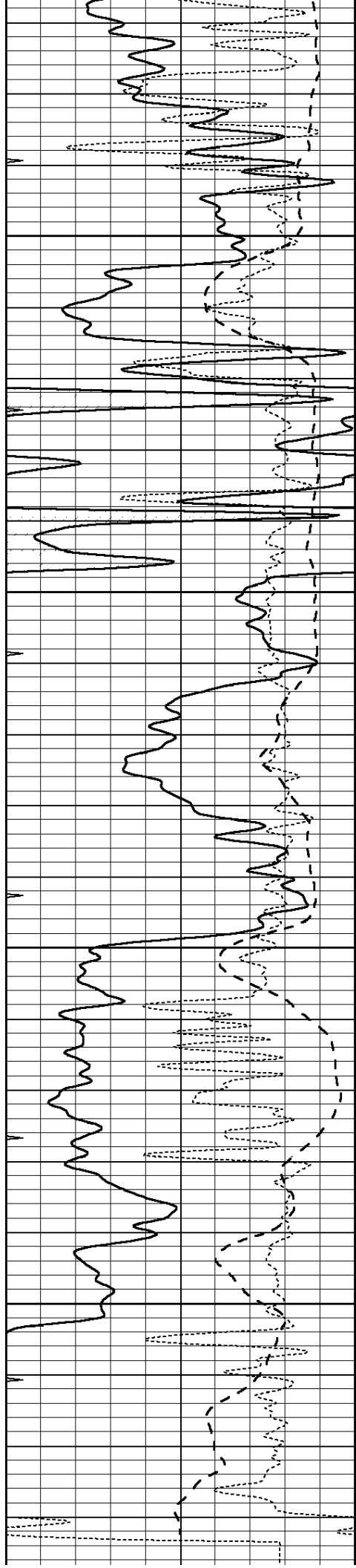
5100

5150

5200

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



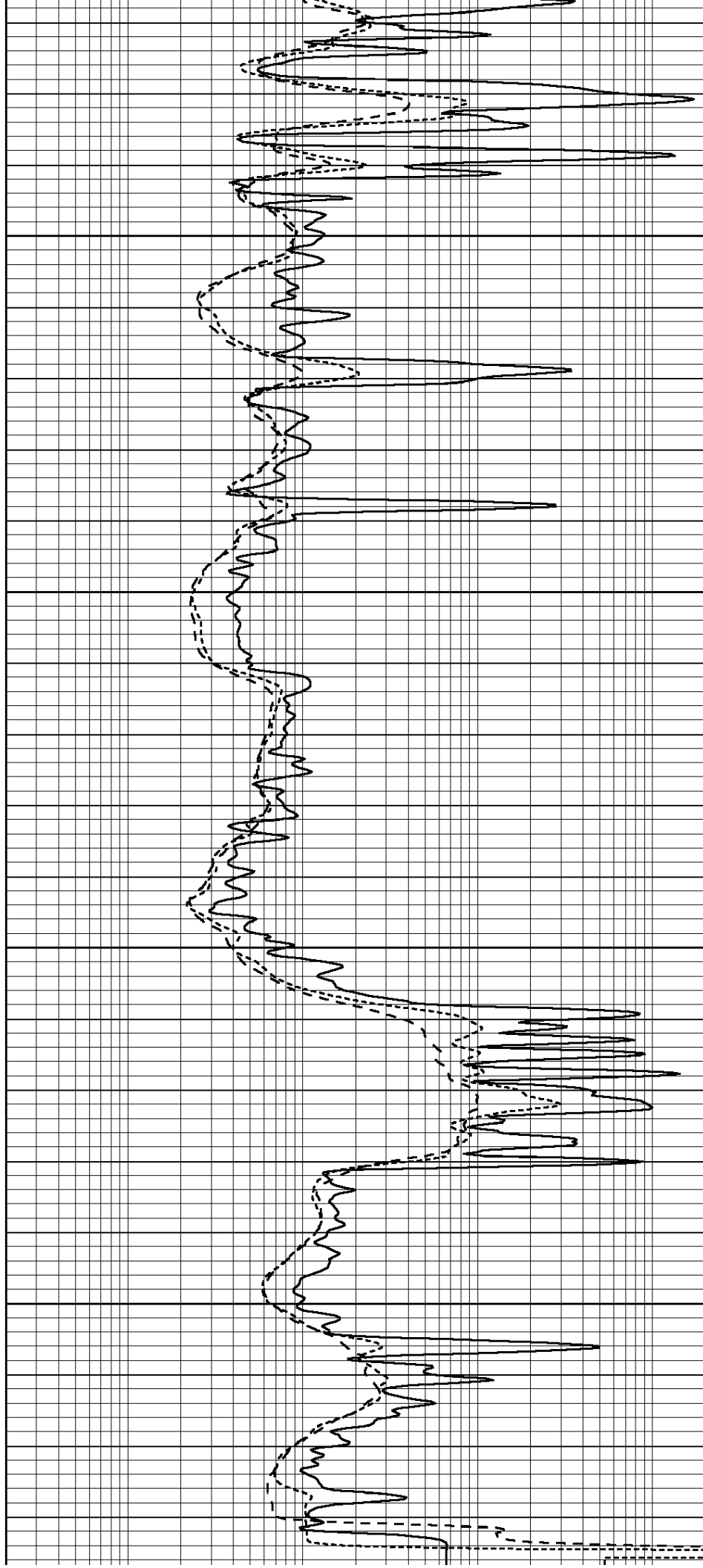


5250

5300

5350

5400



0	GAMMA RAY (GAPI)	150
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