



**SUPERIOR
Hays,
Kansas**

**DUAL
INDUCTION
LOG**

Company RITCHIE EXPLORATION, INC.
Well #1 SHIPLEY 28B
Field ANTELOPE RIDGE
County GOVE
State KANSAS

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Well #1 SHIPLEY 28B
Field ANTELOPE RIDGE
County GOVE State KANSAS

Location: API # : 15-063-21918
640' FNL & 375' FWL
W/2 - NW - NW
SEC 28 TWP 13S RGE 31W
Permanent Datum GROUND LEVEL Elevation 2834
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
Elevation
K.B. 2844
D.F. 2842
G.L. 2834

Date	6-14-11		
Run Number	ONE		
Depth Driller	4580		
Depth Logger	4582		
Bottom Logged Interval	4580		
Top Log Interval	00		
Casing Driller	219		
Casing Logger	216		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	8.9 / 59		
pH / Fluid Loss	10.0 / 7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.80 @ 86F		
Rmf @ Meas. Temp	0.60 @ 86F		
Rmc @ Meas. Temp	1.02 @ 86F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.570 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	121F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	GOTTSCALK		
Witnessed By	MIKE ENGELBRECHT		

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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.

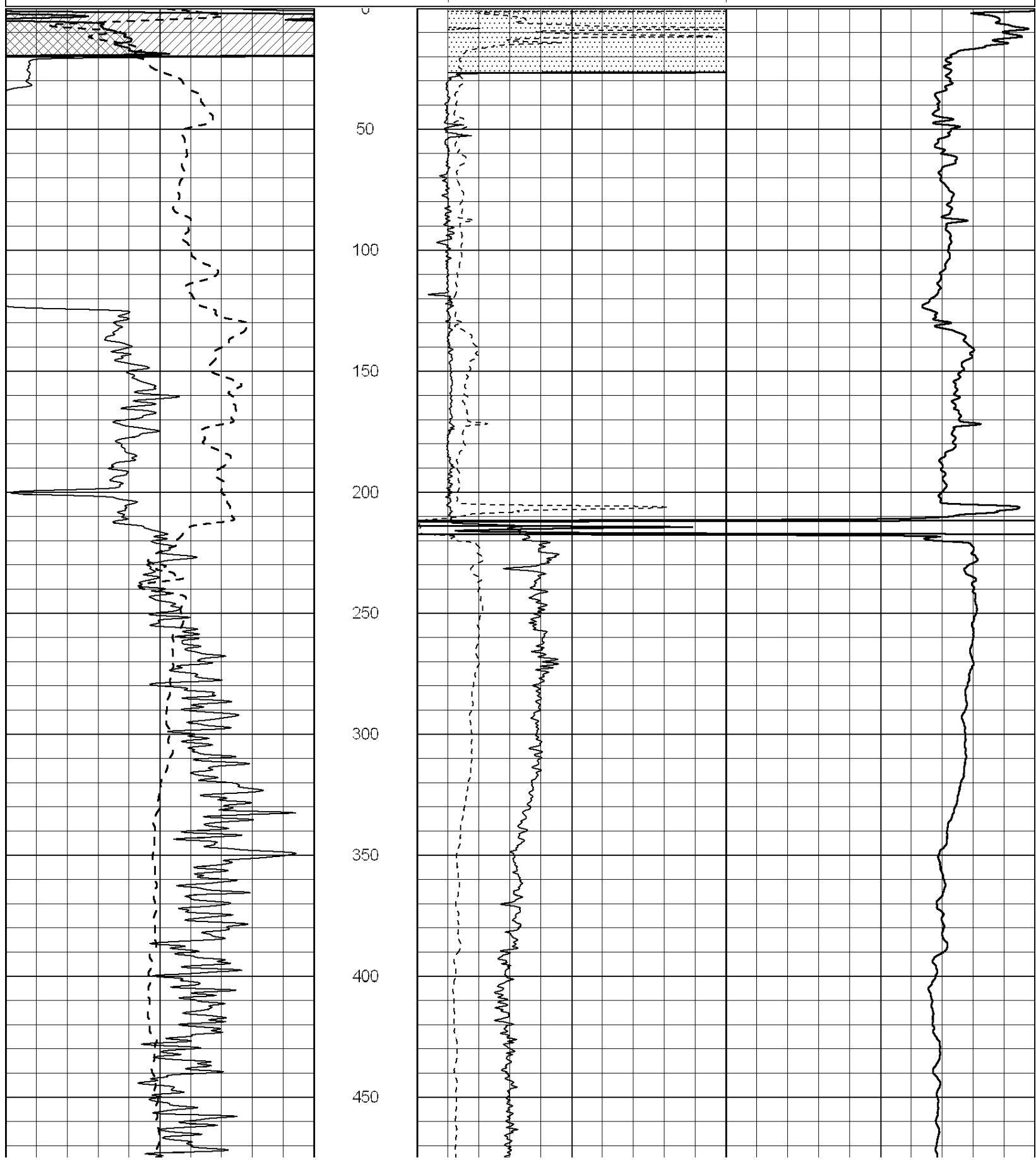
Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY - 13 SOUTH TO QUAIL RD. - 3 EAST - 2 SOUTH - 1 EAST - SOUTH INTO

0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

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

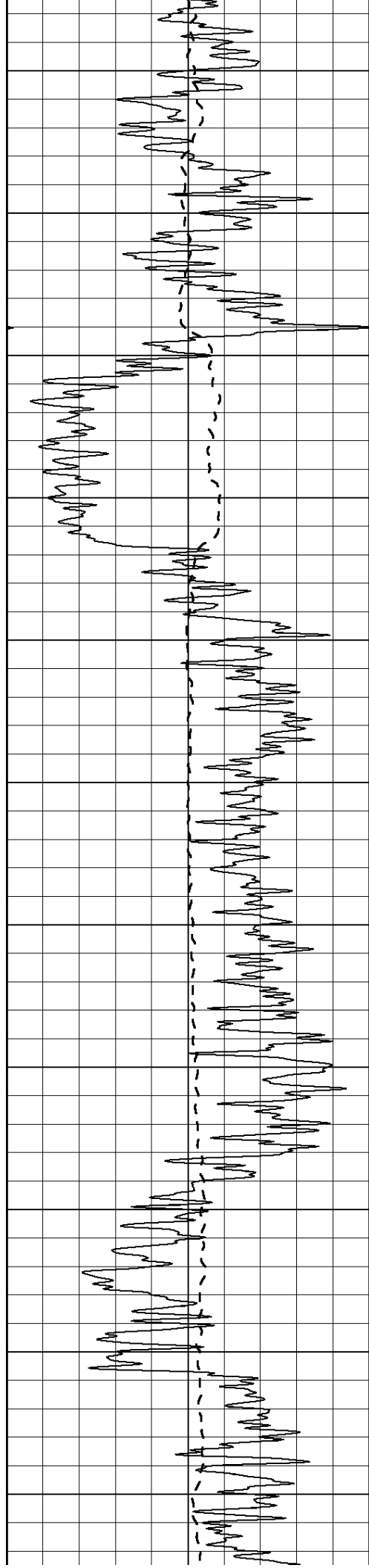
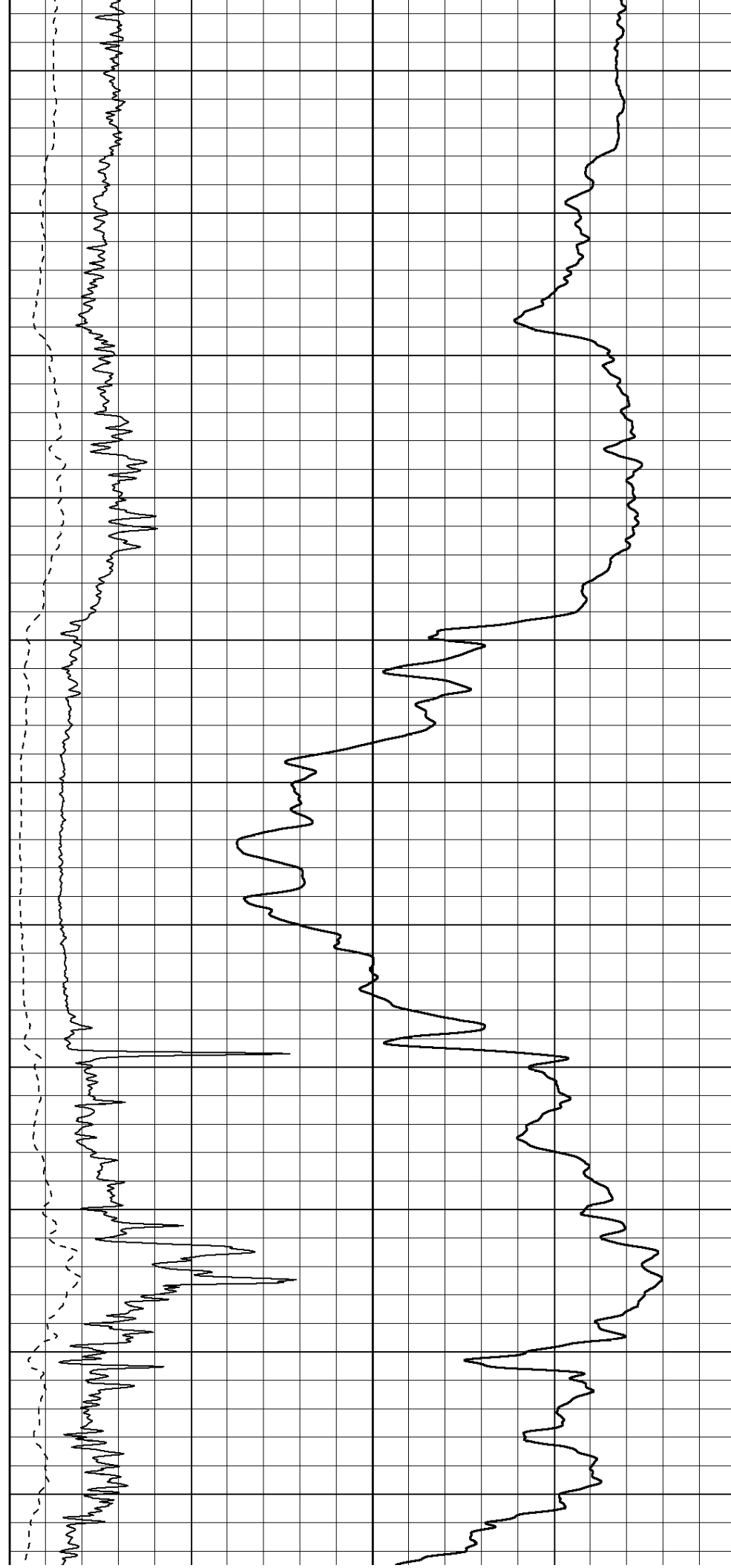
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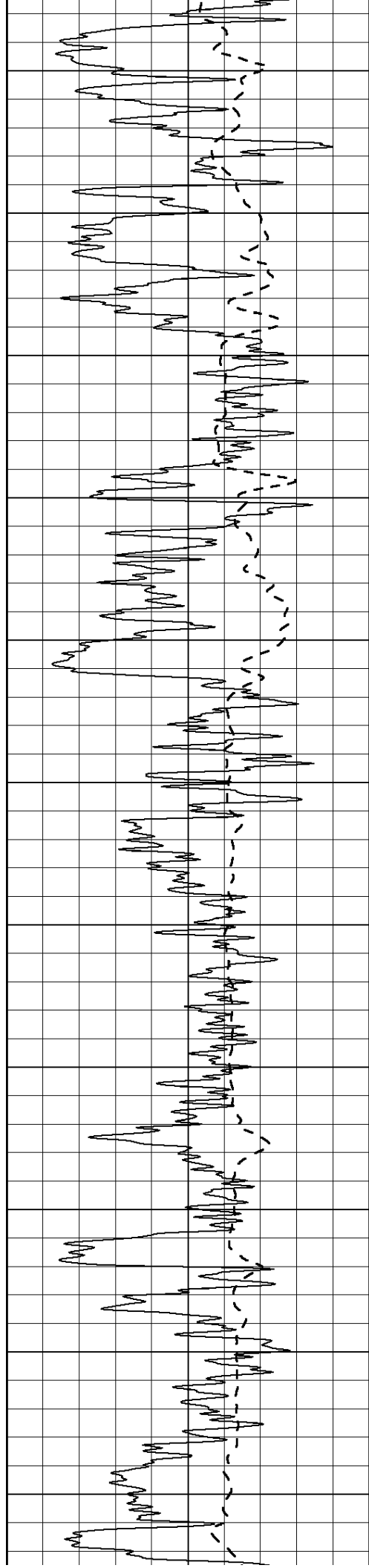
850

900

950

1000





1050

1100

1150

1200

1250

1300

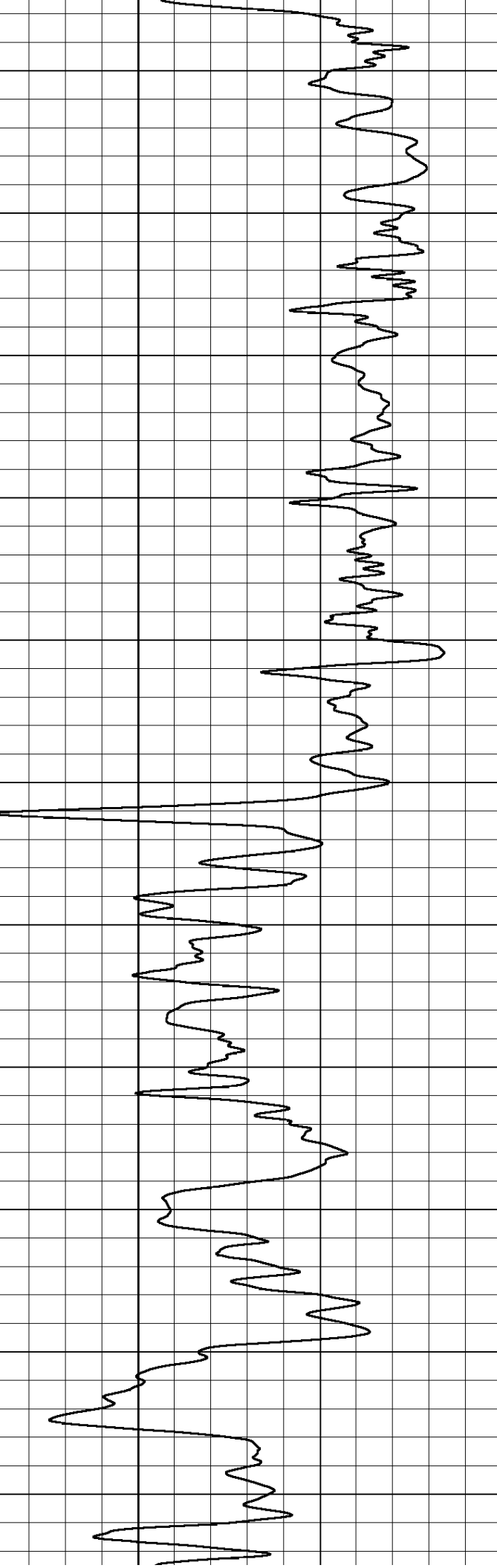
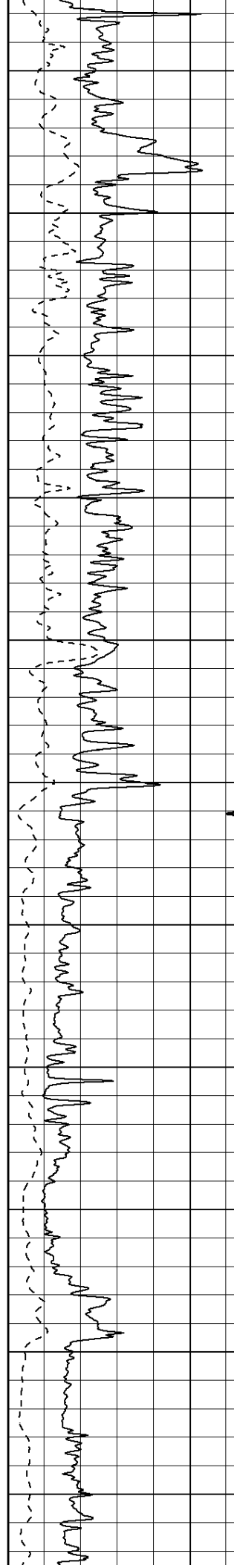
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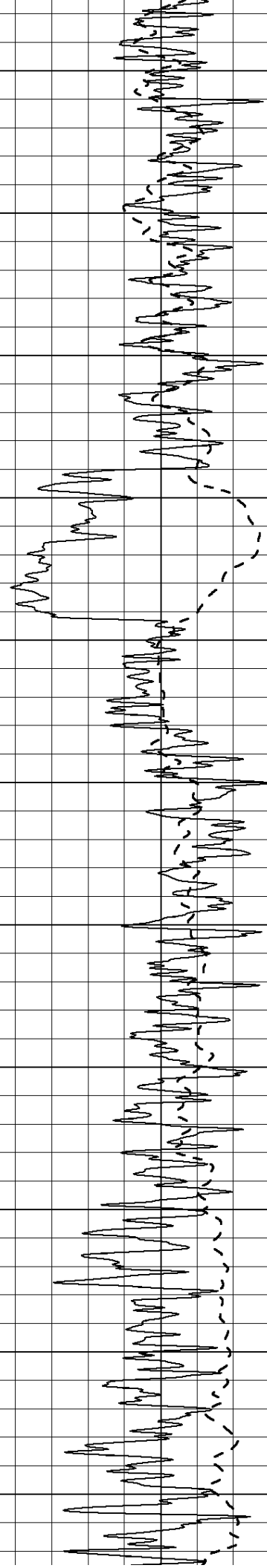
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1450

1500

1550





2150

2200

2250

2300

2350

2400

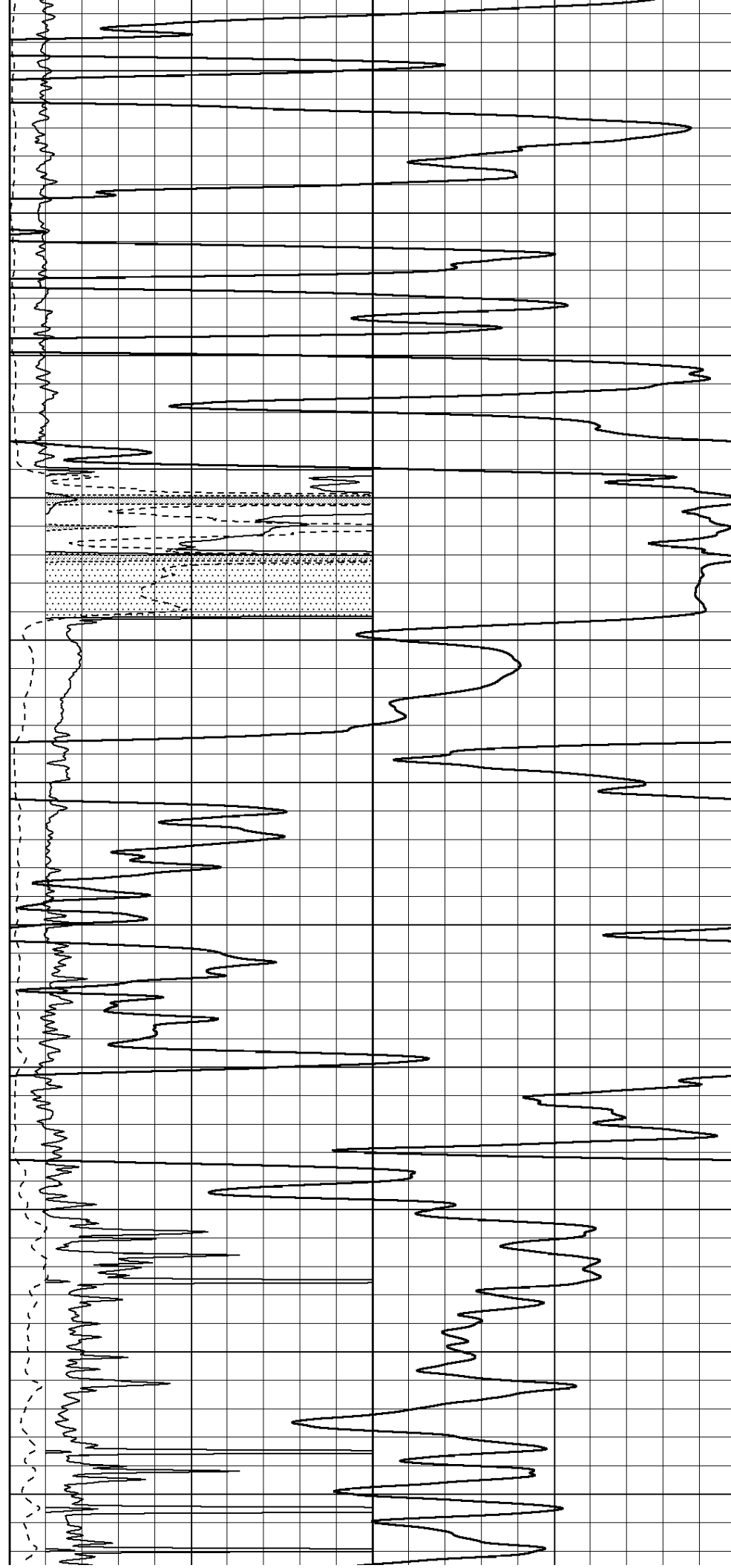
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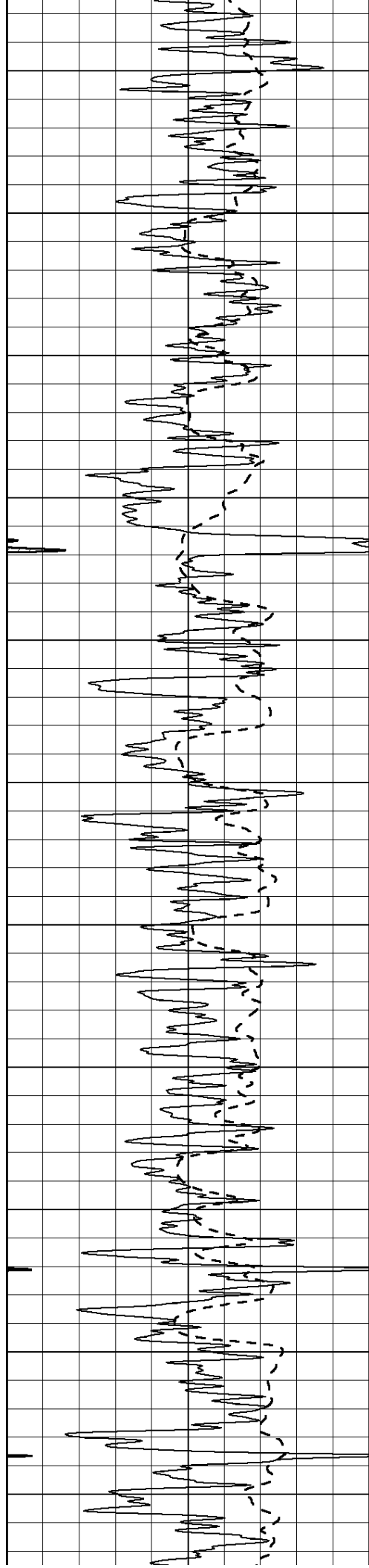
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2550

2600

2650





2700

2750

2800

2850

2900

2950

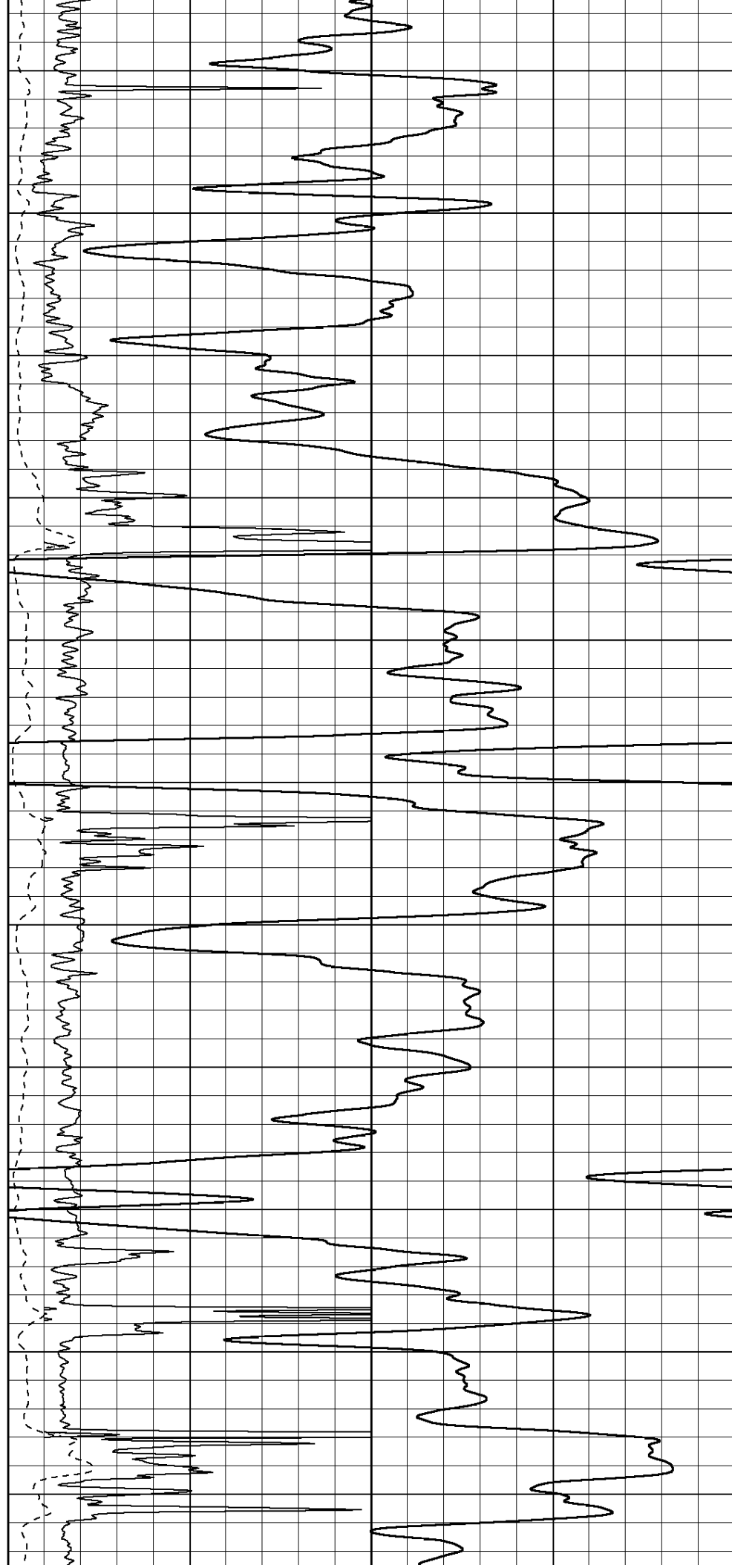
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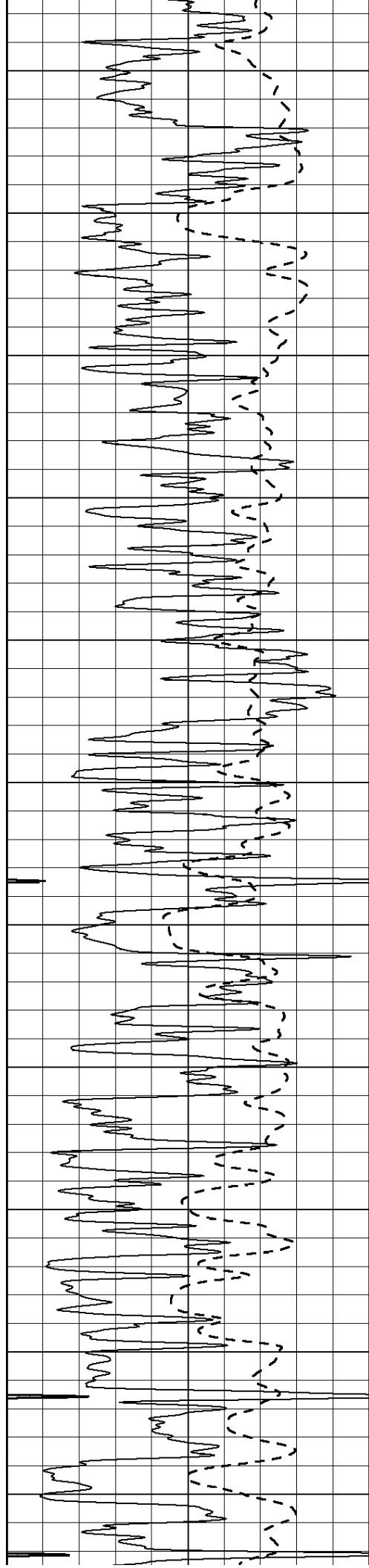
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3100

3150

3200





3250

3300

3350

3400

3450

3500

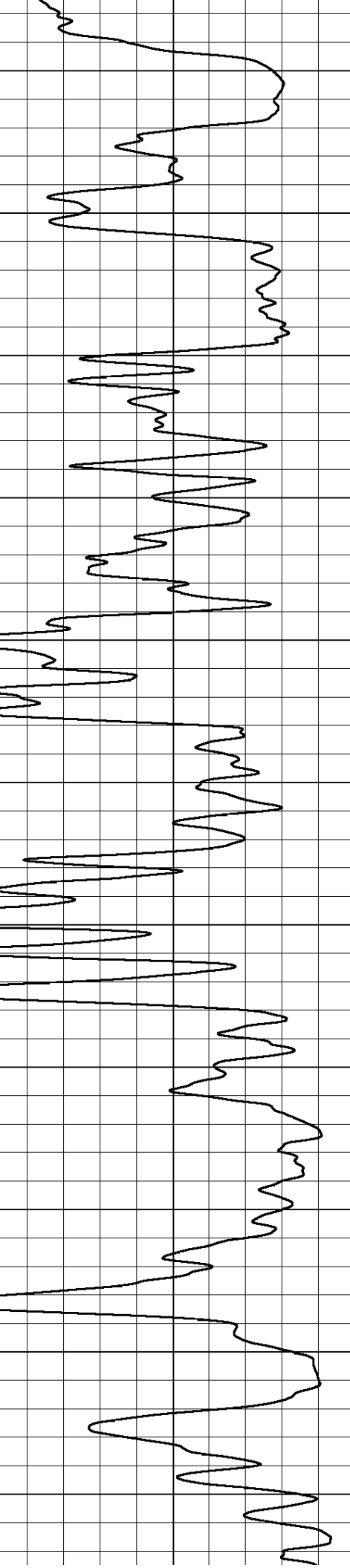
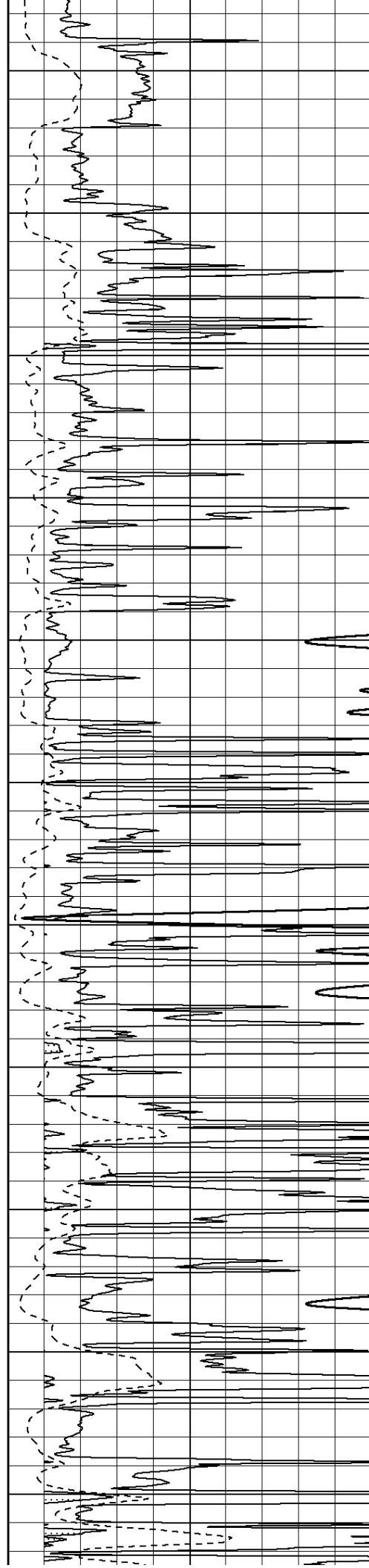
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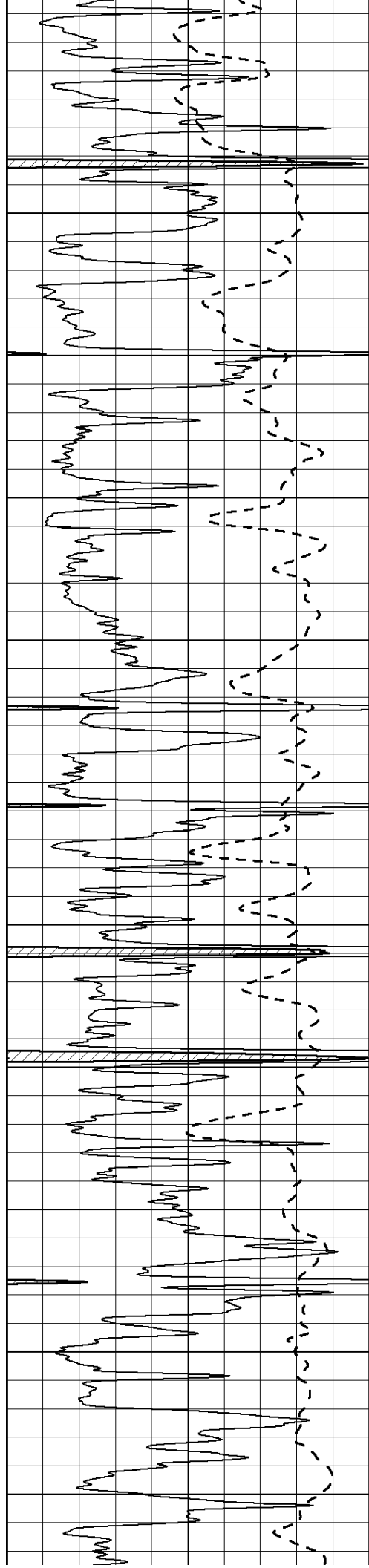
3600

3650

3700

3750





3800

3850

3900

3950

4000

4050

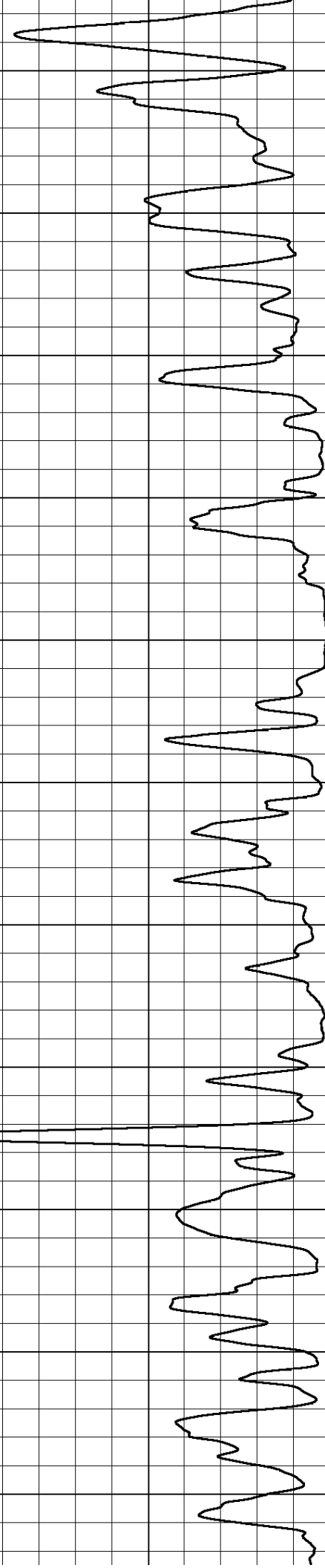
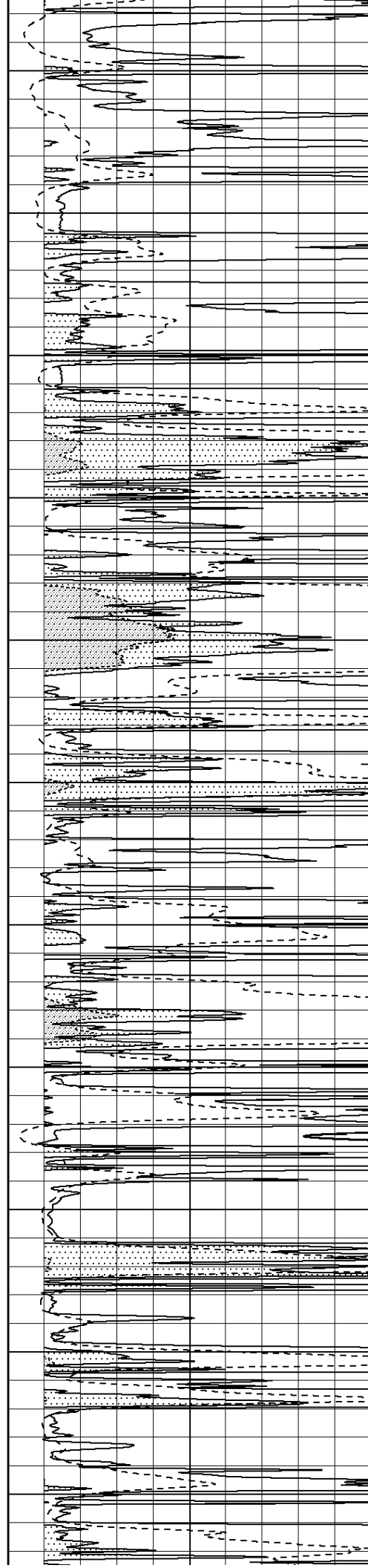
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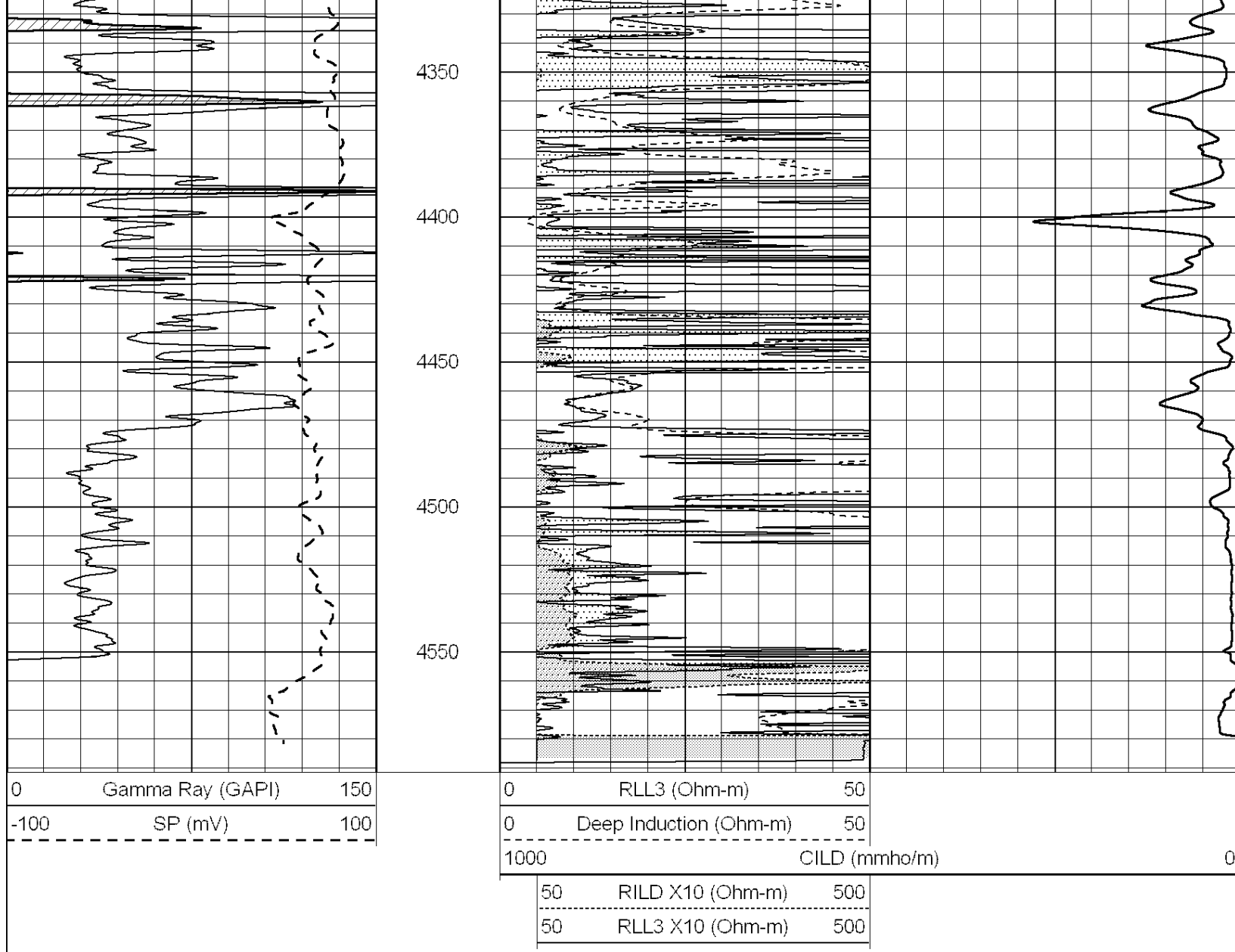
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4200

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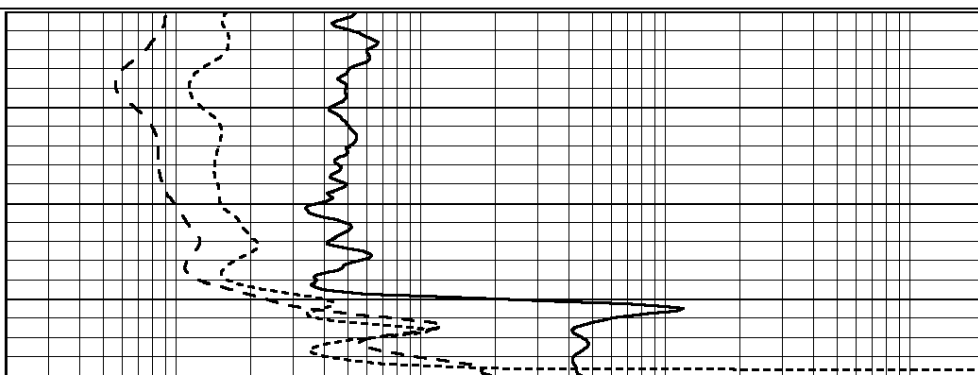
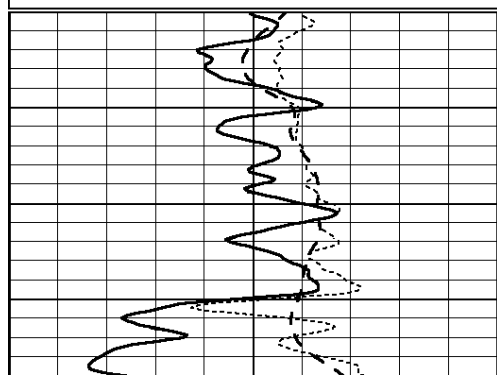
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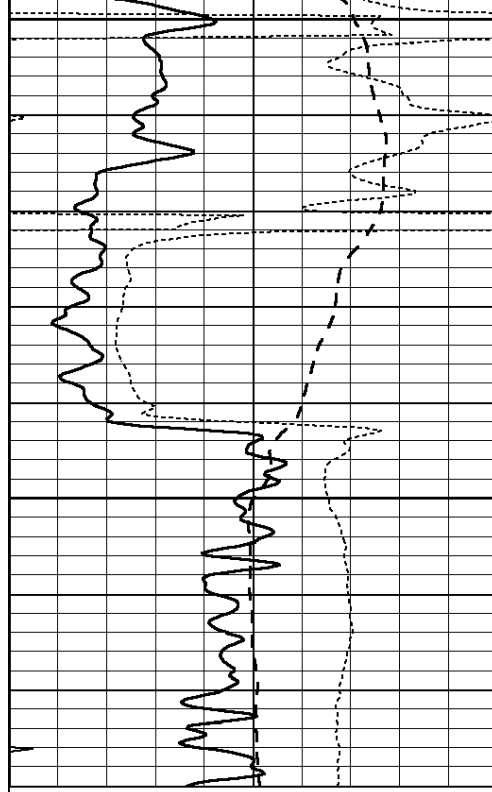




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Dataset Creation: Wed Jun 15 00:27:44 2011
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	RLL3 (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			

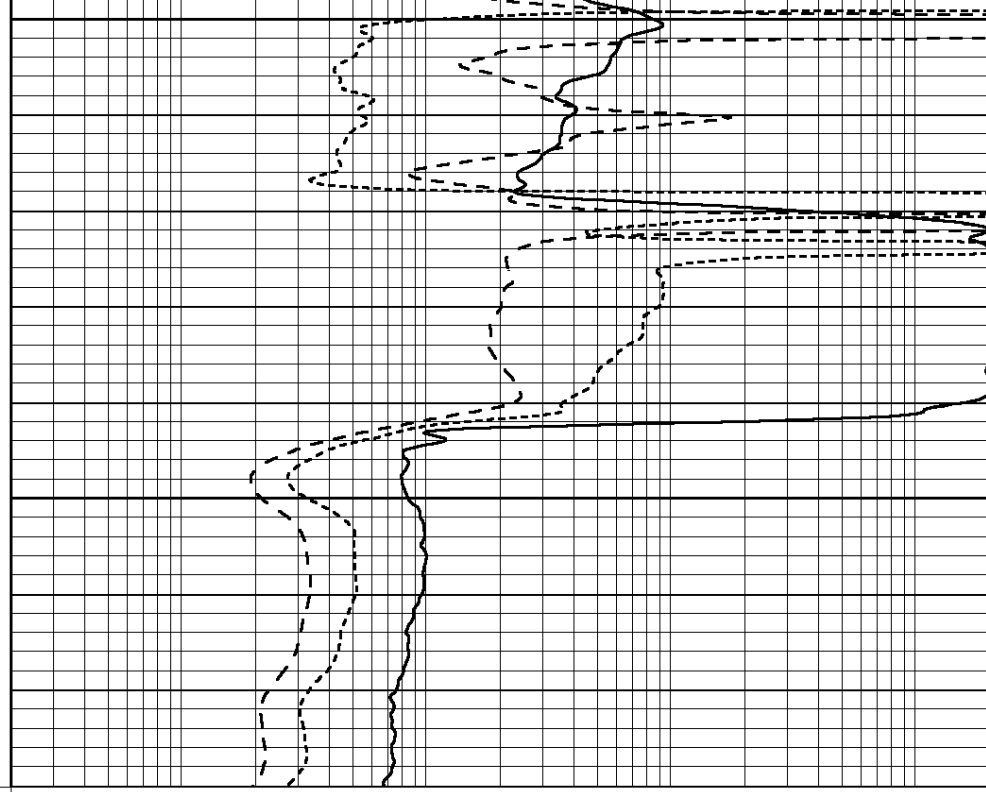




0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

2300

2350

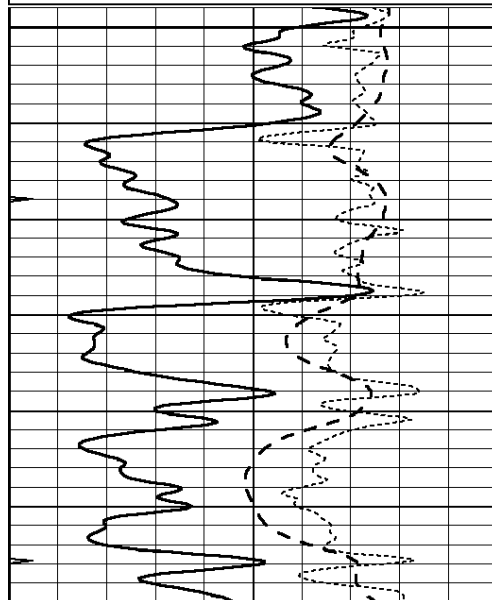


0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

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 Presentation Format: dil
 Dataset Creation: Tue Jun 14 23:31:21 2011
 Charted by: Depth in Feet scaled 1:240

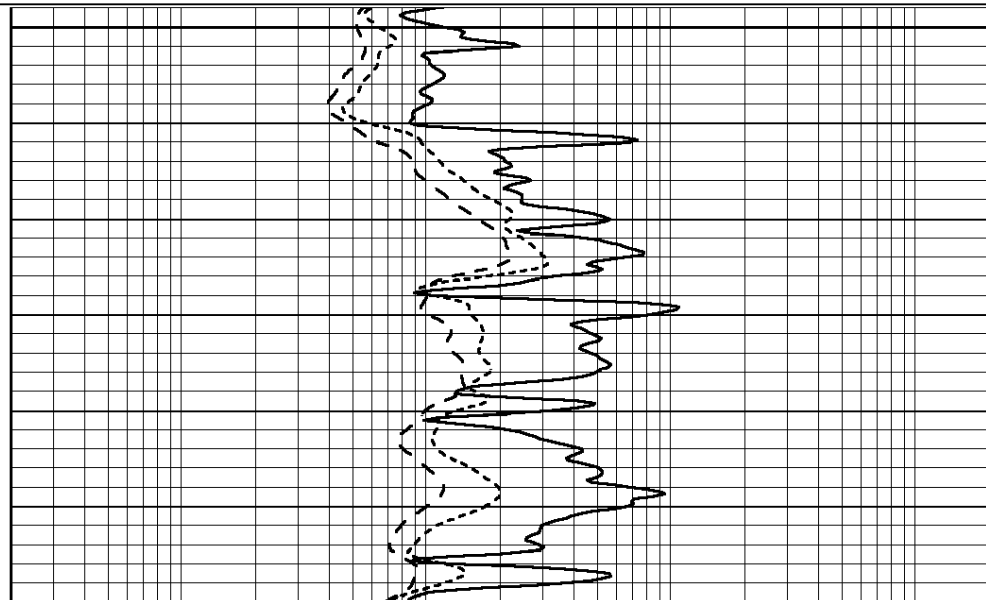
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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

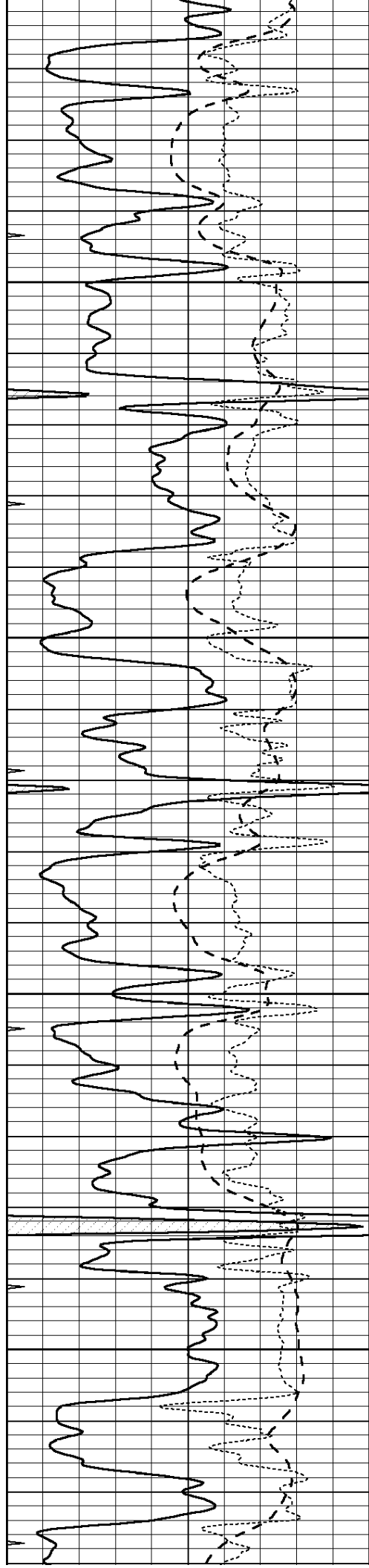
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



3600

3650



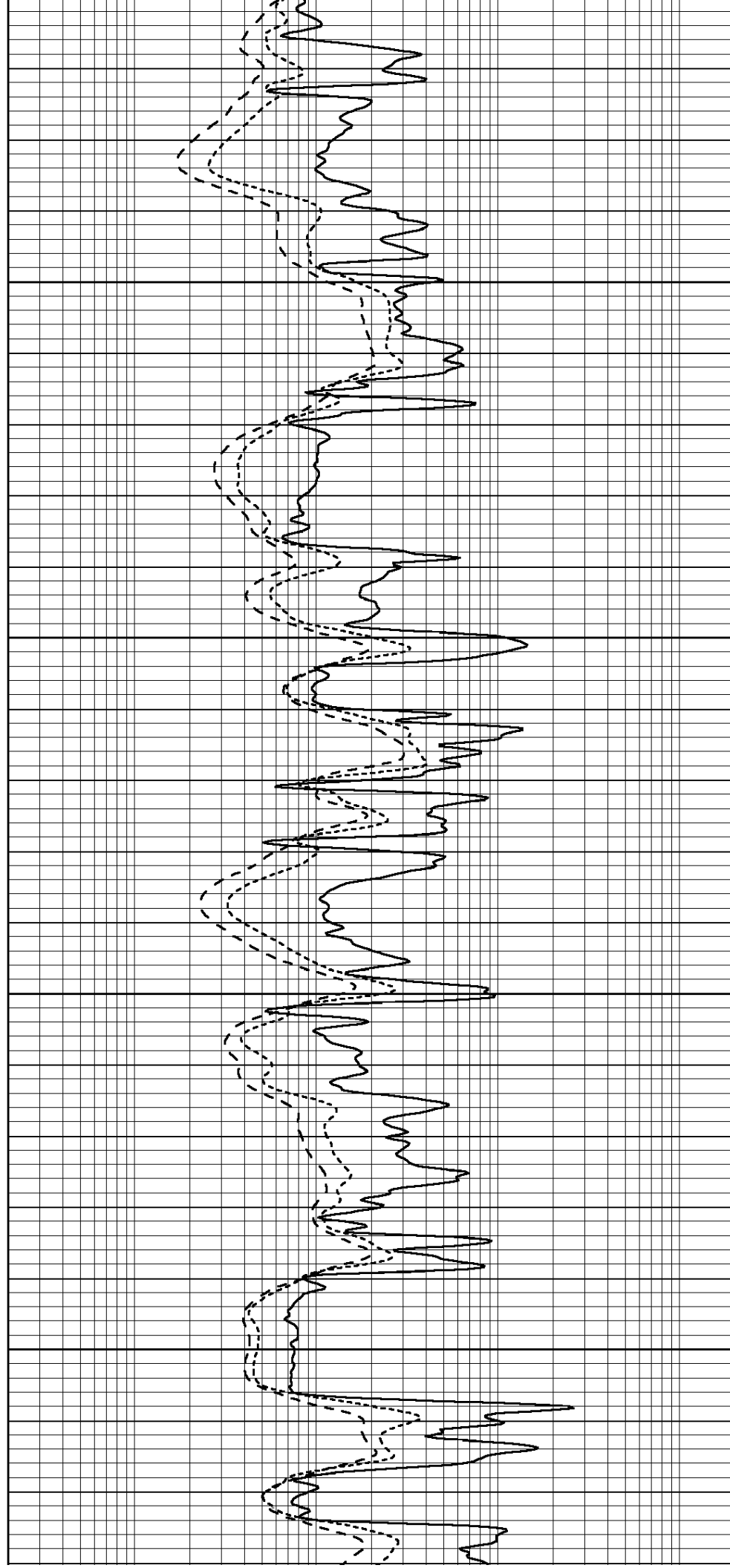


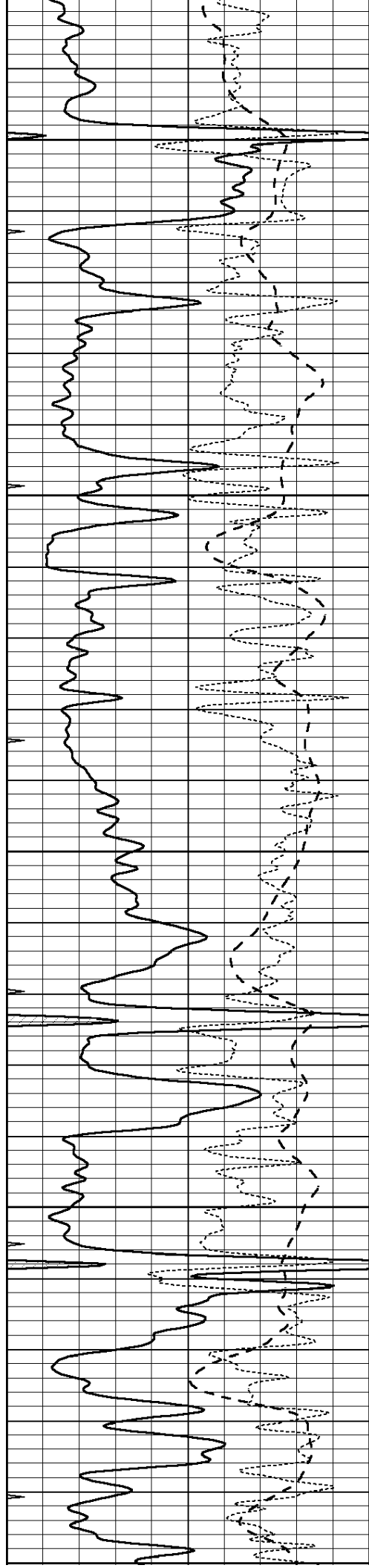
3700

3750

3800

3850





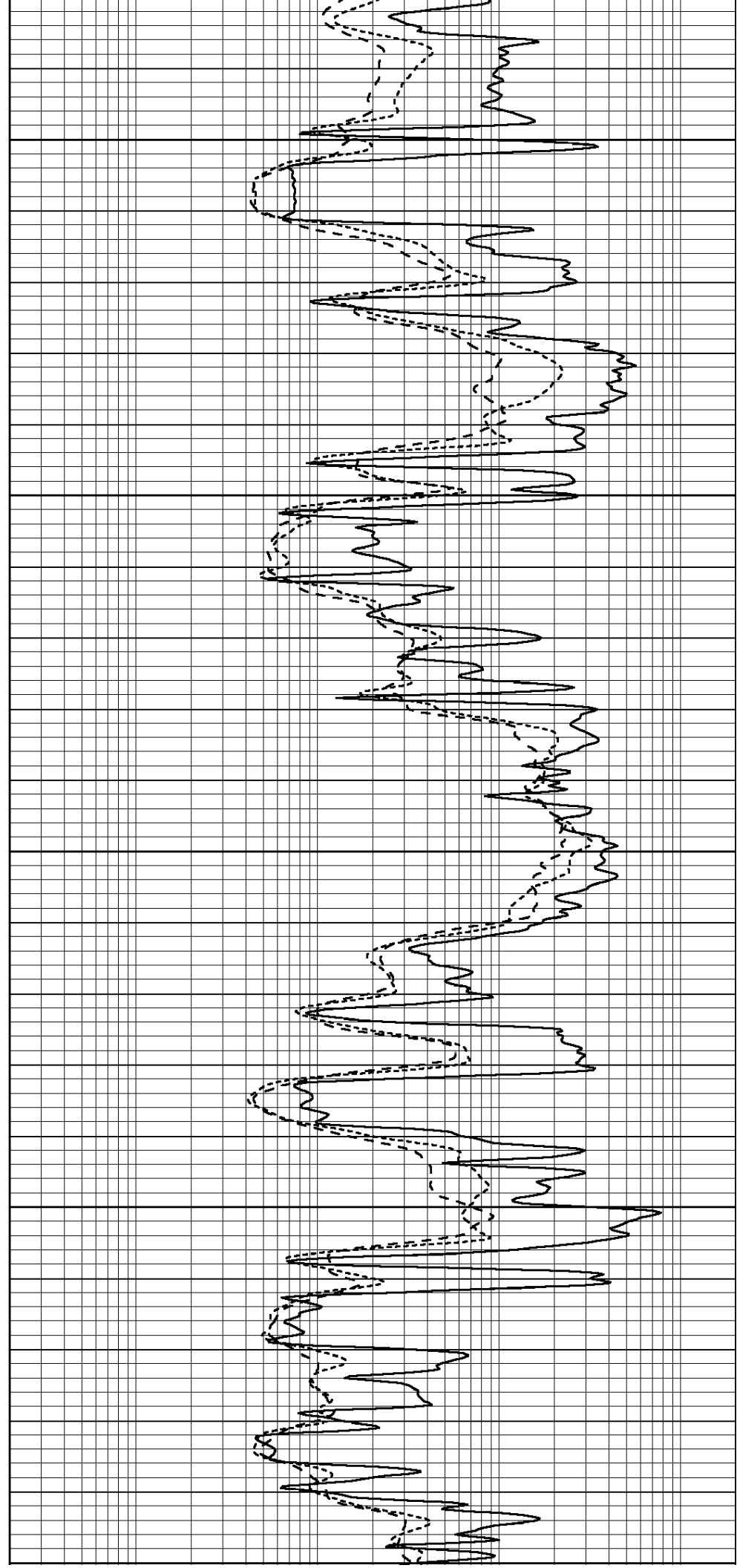
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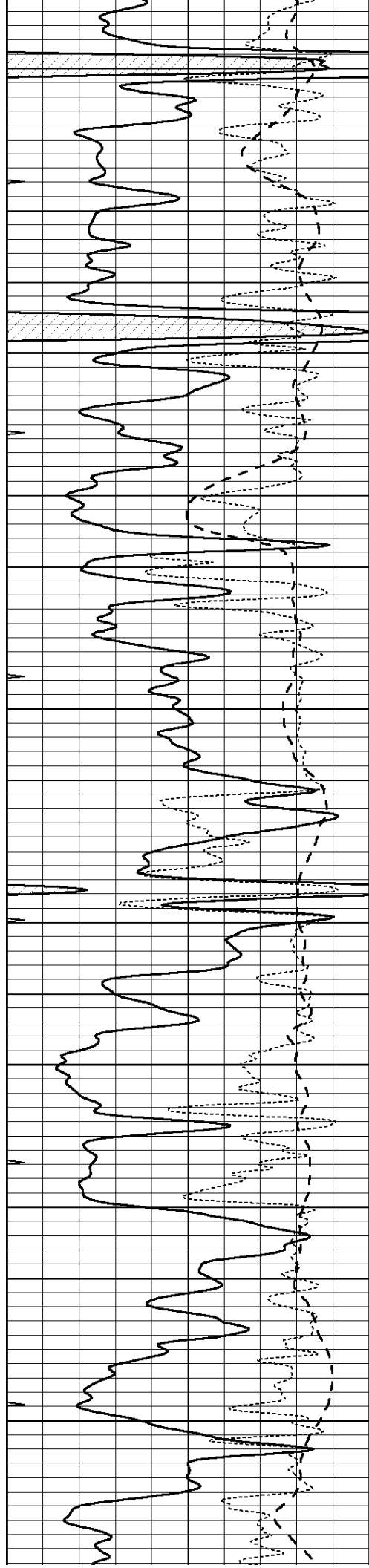
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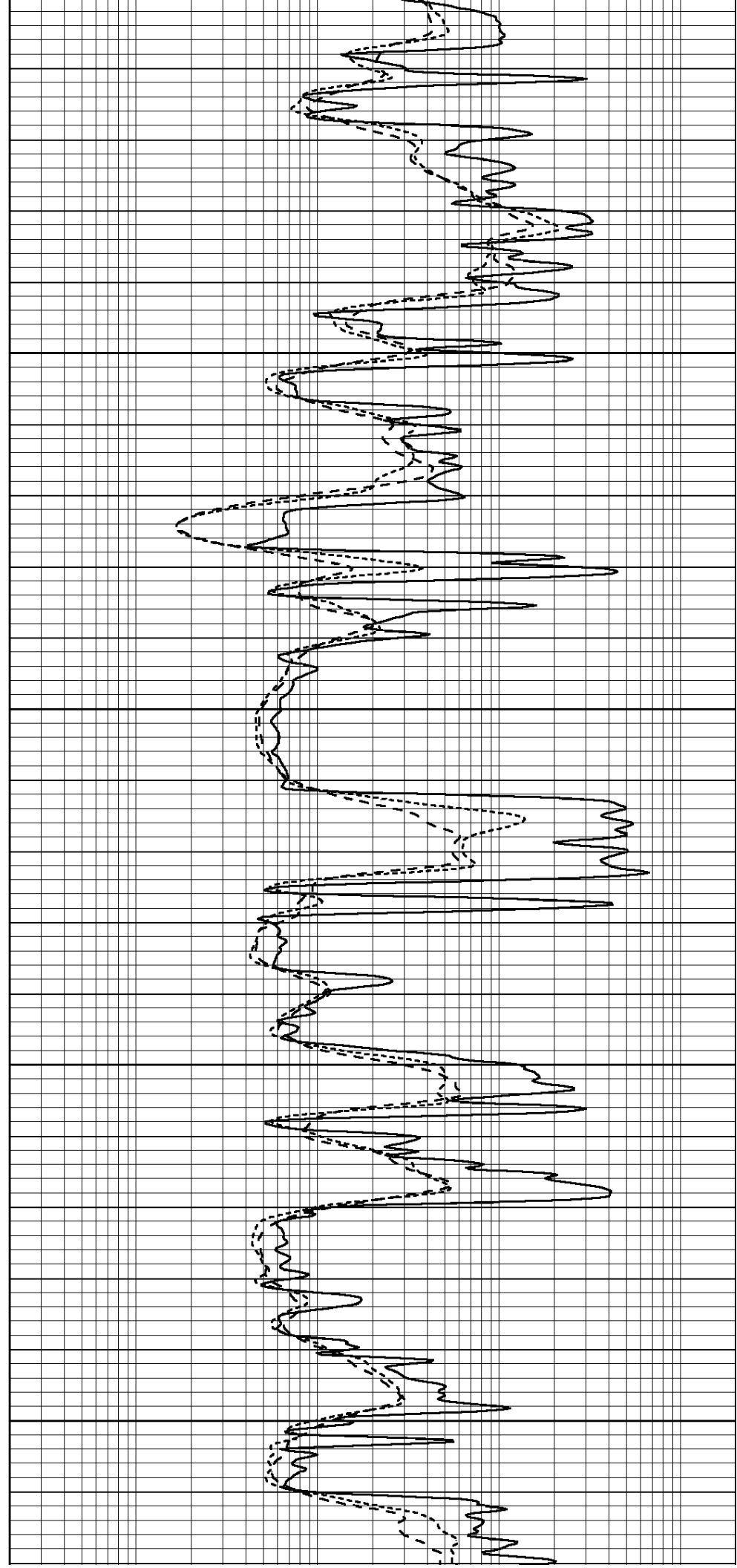
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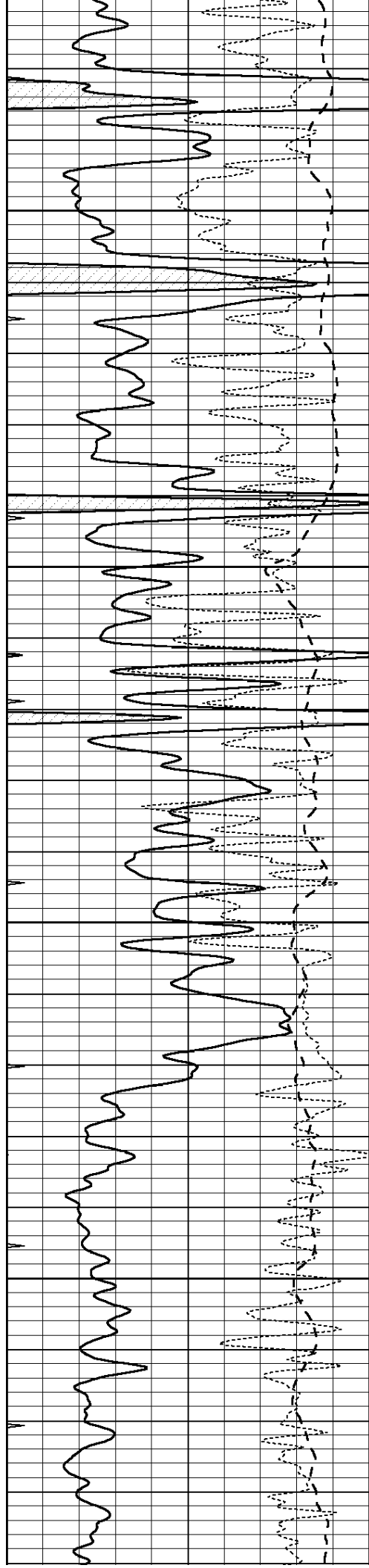
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4100
4150
4200
4250
4300



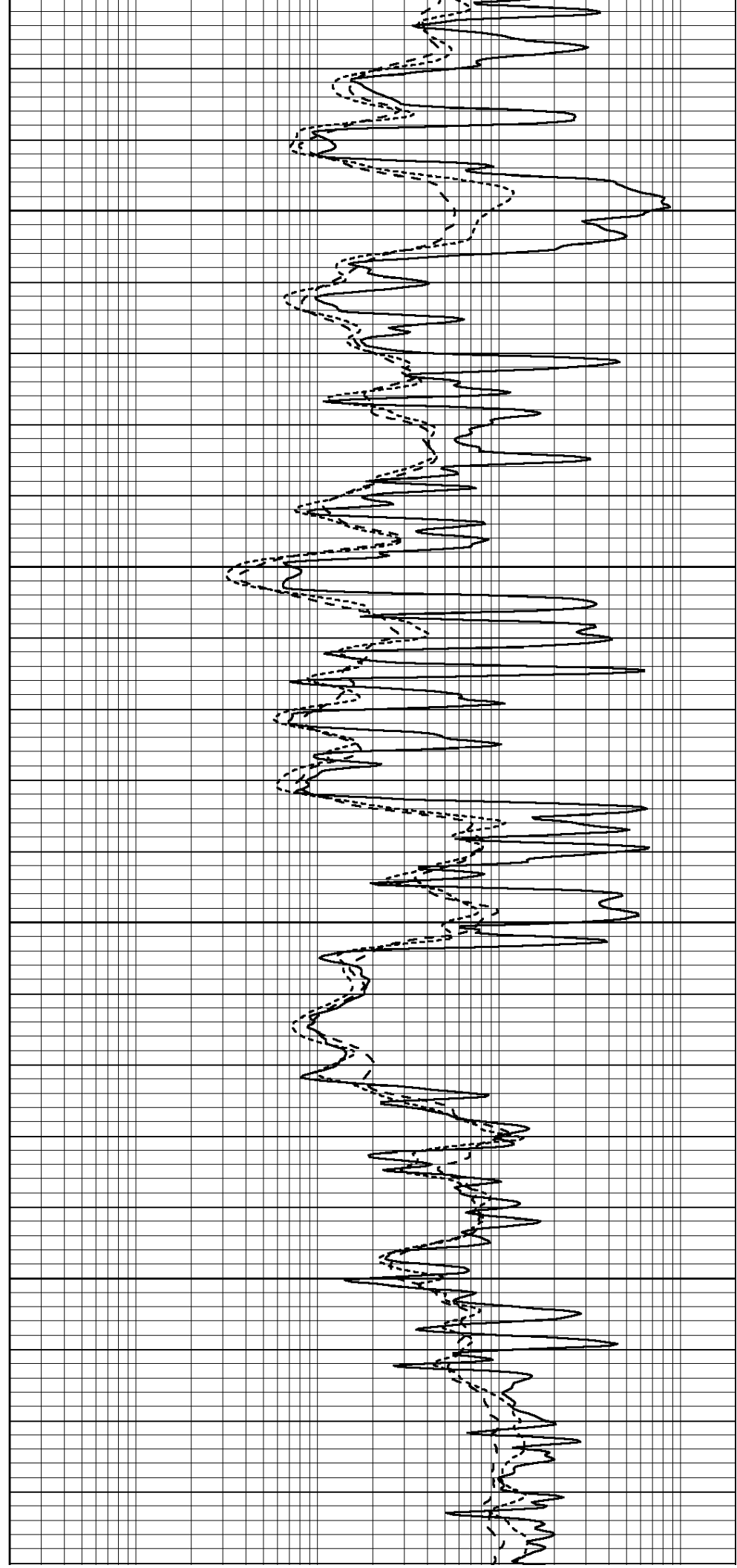


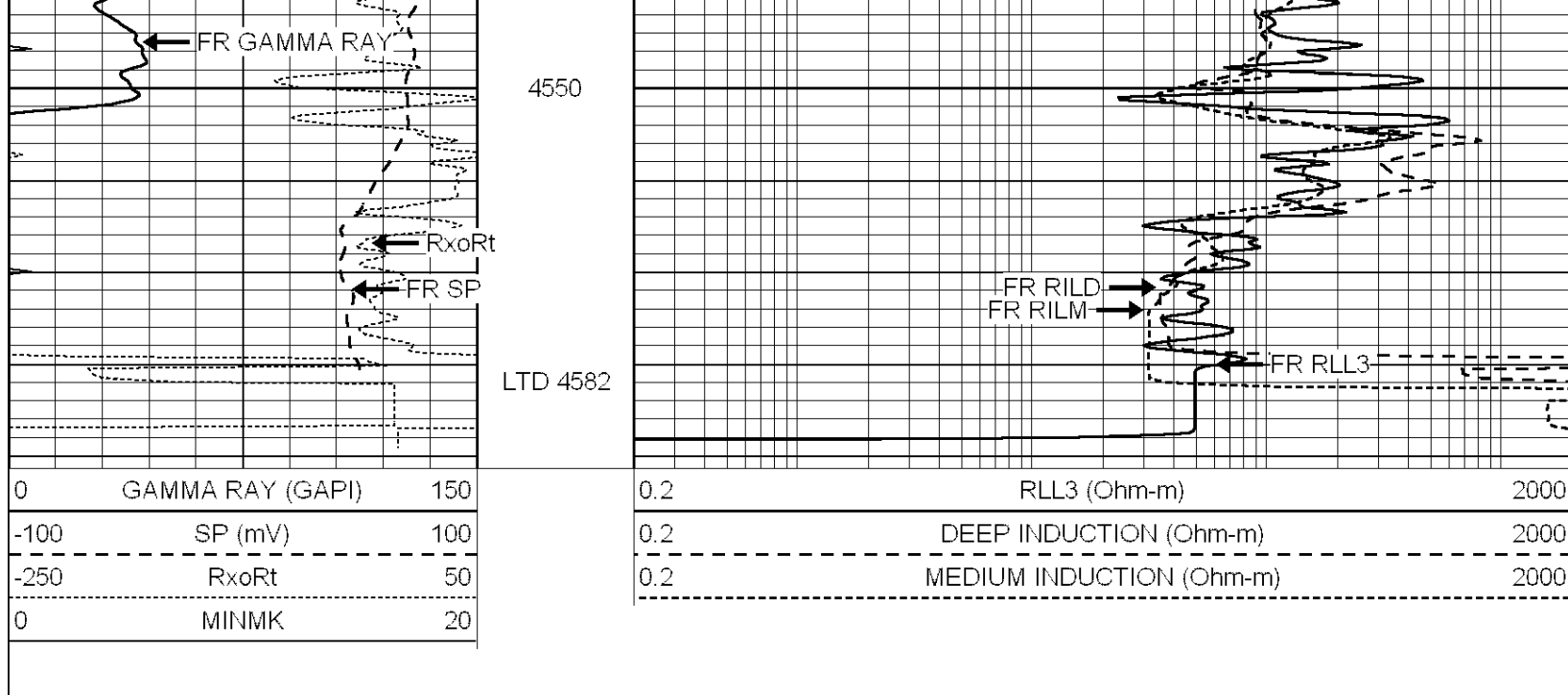
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4400

4450

4500

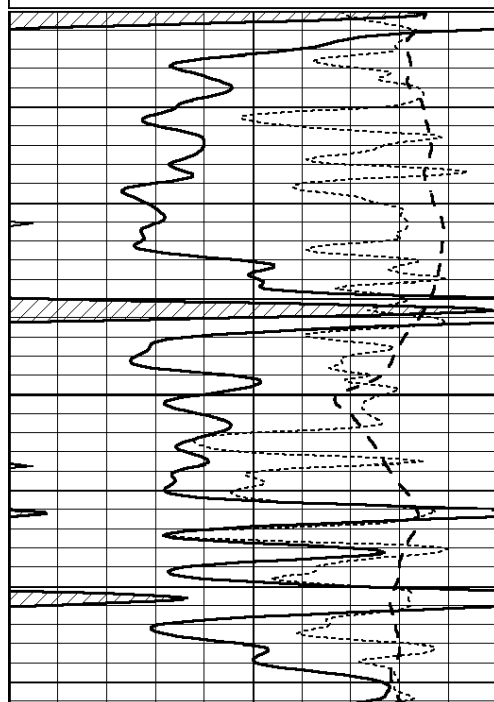
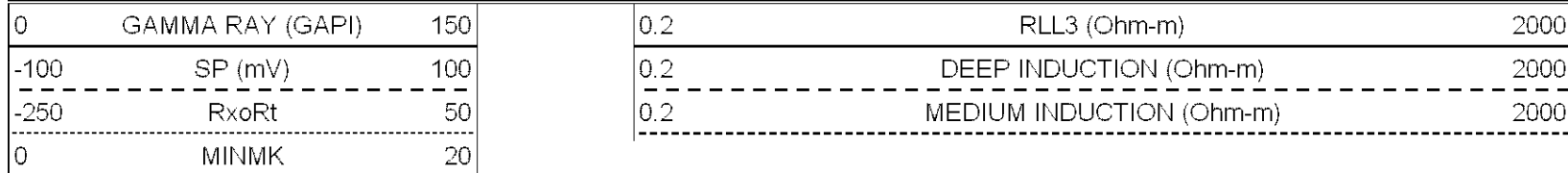




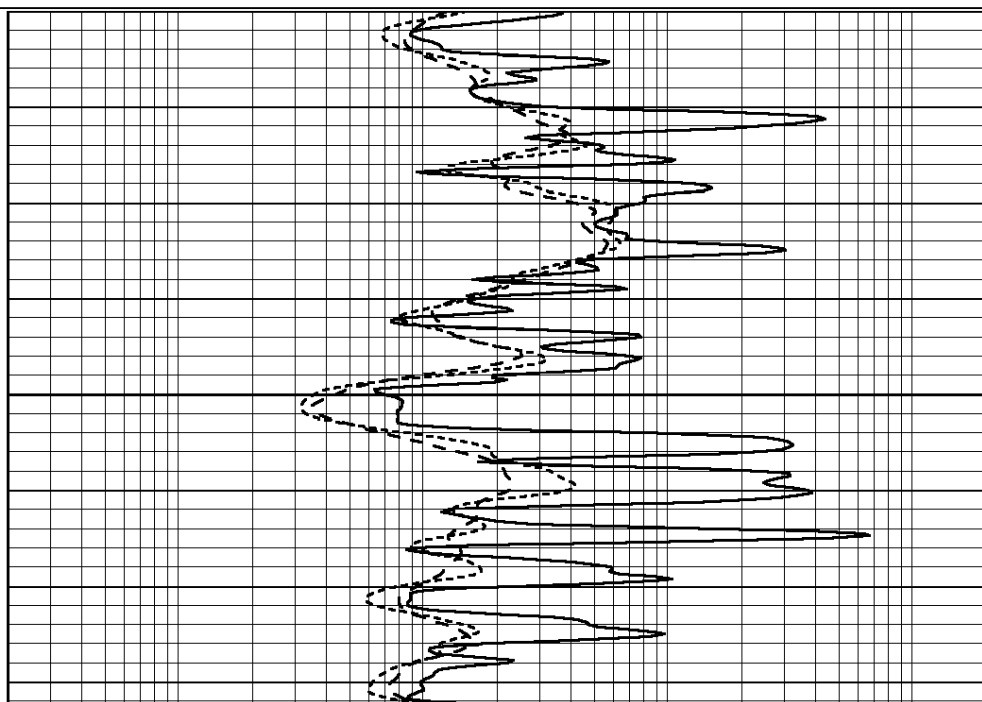
SUPERIOR
Hays,
Kansas

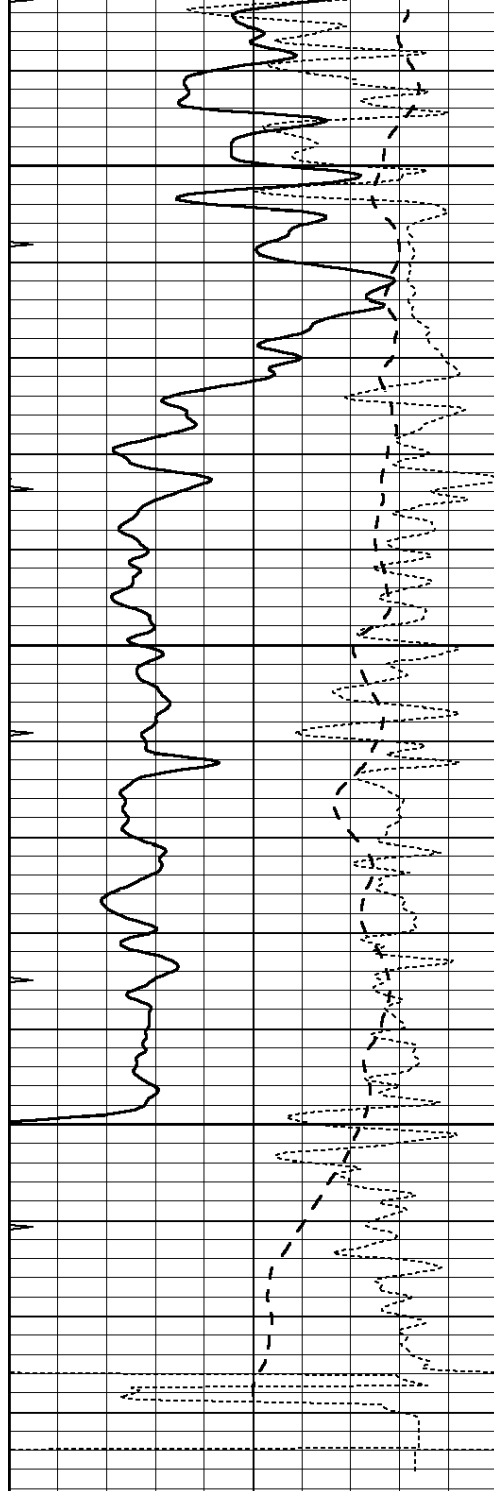
REPEAT SECTION

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4400



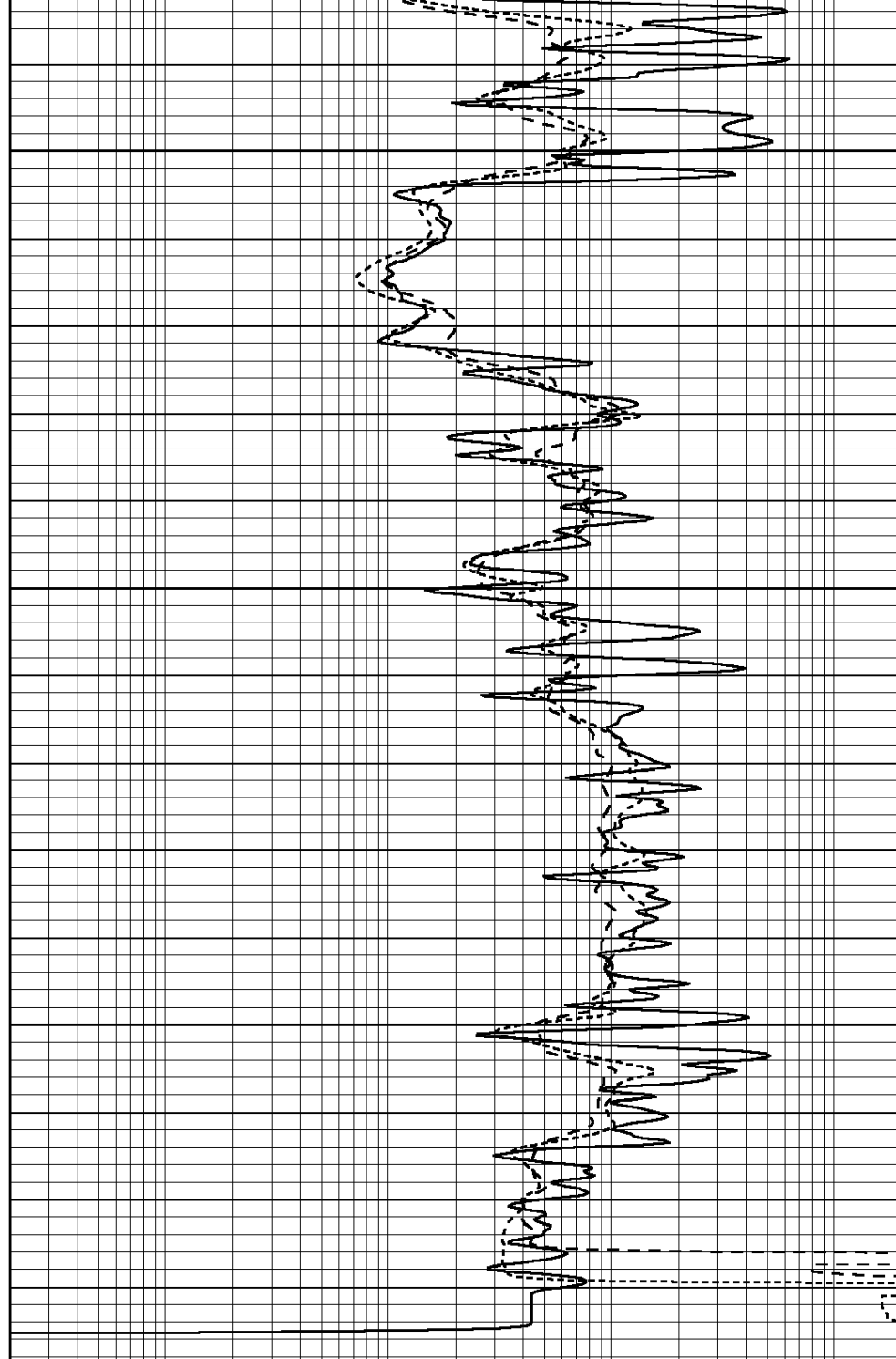


4450

4500

4550

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