



SUPERIOR
Hays,
Kansas

RADIATION
GUARD
LOG

LIBERTY OPERATIONS & COMPLETIONS			
Company	LAMBERT #2		
Well	KERN WEST		
Field	ROOKS		
County	KANSAS		
State	KANSAS		
Company LIBERTY OPERATIONS & COMPLETIONS, INC.			
Well LAMBERT #2			
Field KERN WEST			
County ROOKS State KANSAS			
Location:	API # : 15-163-20674-0001		
3630' FSL & 990' FEL NW - SE - NE			
SEC 29 TWP 9S RGE 20W			
Permanent Datum	GROUND LEVEL	Elevation	2294
Log Measured From	KELLY BUSHING 8' A.G.L.		
Drilling Measured From	KELLY BUSHING		
		Other Services	MEL
		Elevation	K.B. 2304 D.F. 2302 G.L. 2294

Date	4/27/11	
Run Number	TWO	
Depth Driller	3966	
Depth Logger	3946	
Bottom Logged Interval	3945	
Top Log Interval	3200	
Casing Driller	8 5/8" @ 255'	
Casing Logger	257'	
Bit Size	7 7/8	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM
Density / Viscosity	8.6/76	
pH / Fluid Loss	9.5/8.8	
Source of Sample	FLOWLINE	
Rin @ Meas. Temp	1.00 @ 64F	
Rinf @ Meas. Temp	0.75 @ 64F	
Rinc @ Meas. Temp	1.20 @ 64F	
Source of Rinf / Rinc	MEASURED	
Rin @ BHT	0.55 @ 117F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom		
Maximum Recorded Temperature	117F	
Equipment Number	680	
Location	HAYS, KS.	
Recorded By	JEFF GRONEMEG	
Witnessed By	ROGER COMEAU	

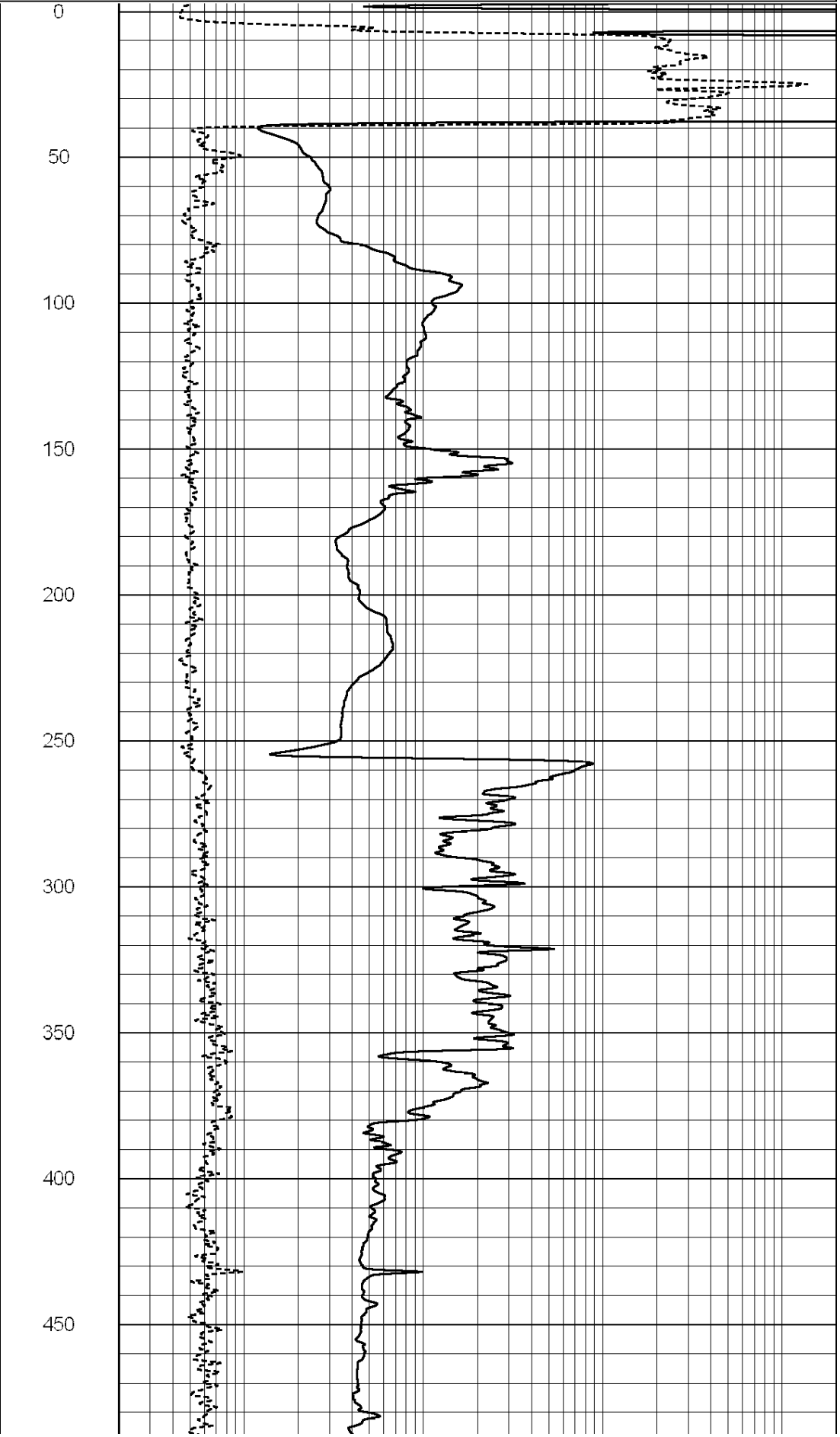
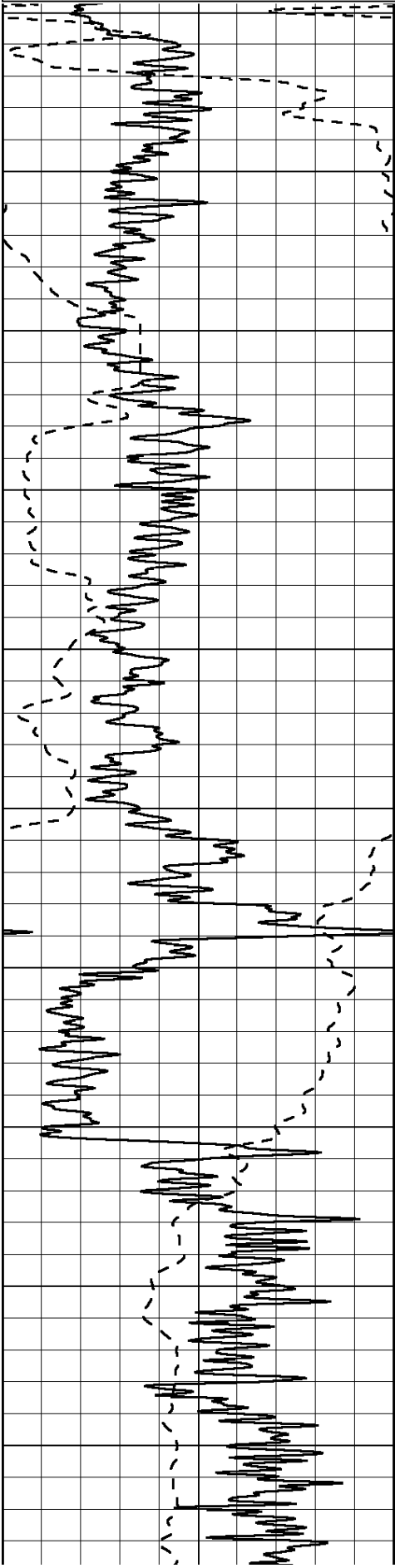
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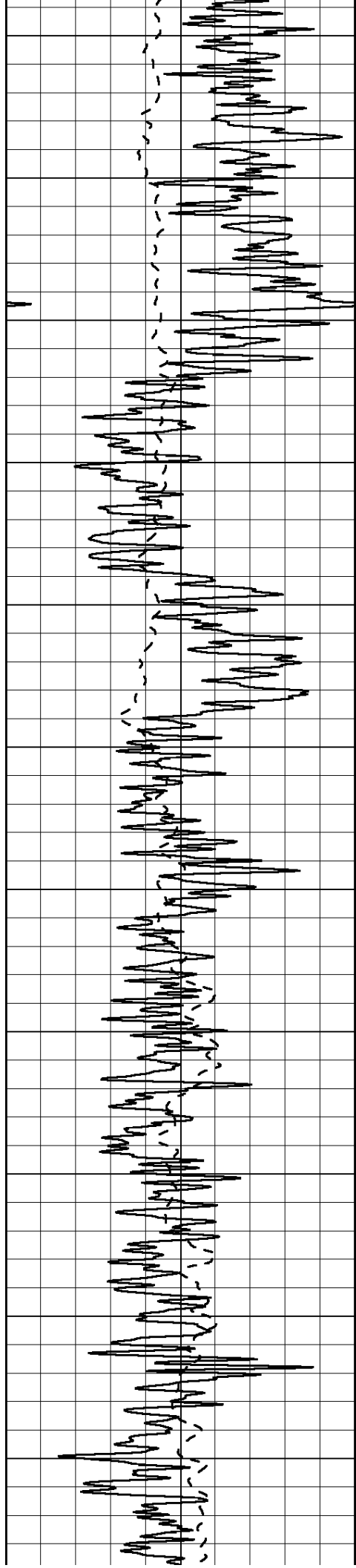
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
PALCO, KS - 1/2 MILE SOUTH ON ELLIS BLACKTOP - WEST INTO

Charted by: _____			Depth in Feet scaled 1:600			
0	GAMMA RAY (GAPI)	150	ABHV (ft3)	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100		0	NEUTRON (NAPI)	1000
-----			TBHV (ft3)	-----		





500

550

600

650

700

750

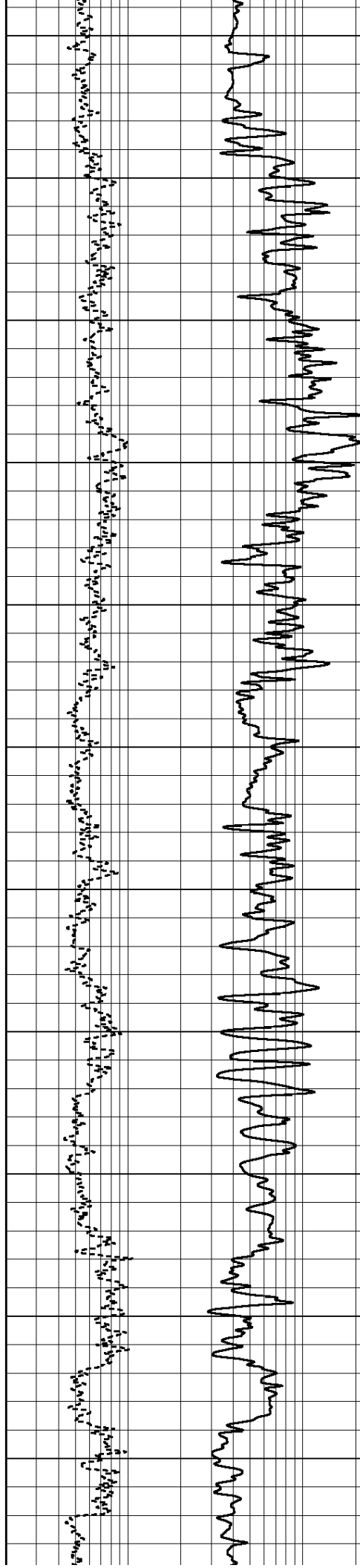
800

850

900

950

1000



1050

1100

1150

1200

1250

1300

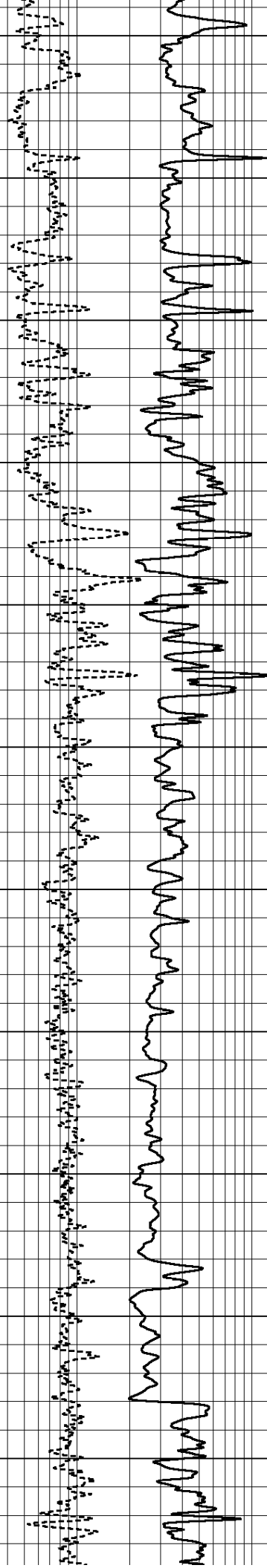
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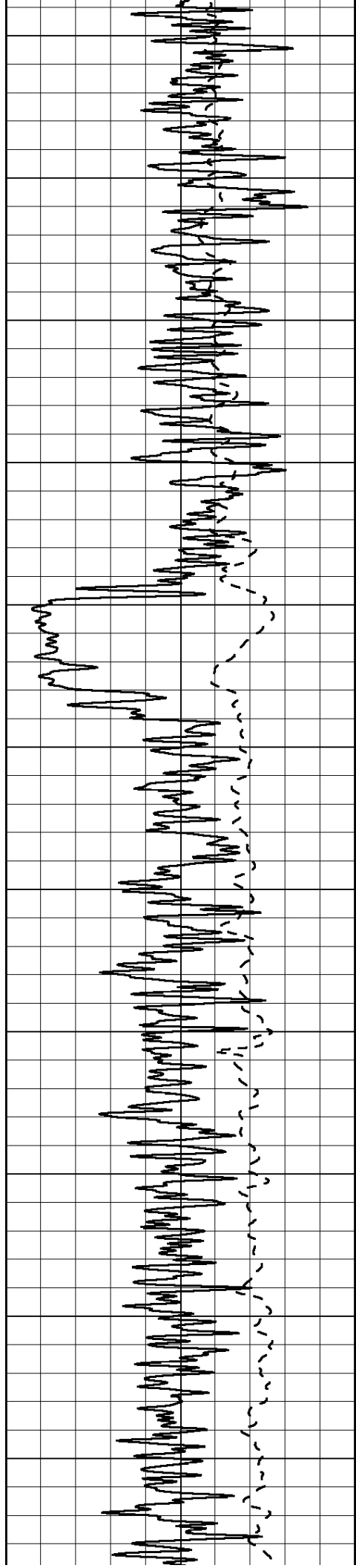
1400

1450

1500

1550





1600

1650

1700

1750

1800

1850

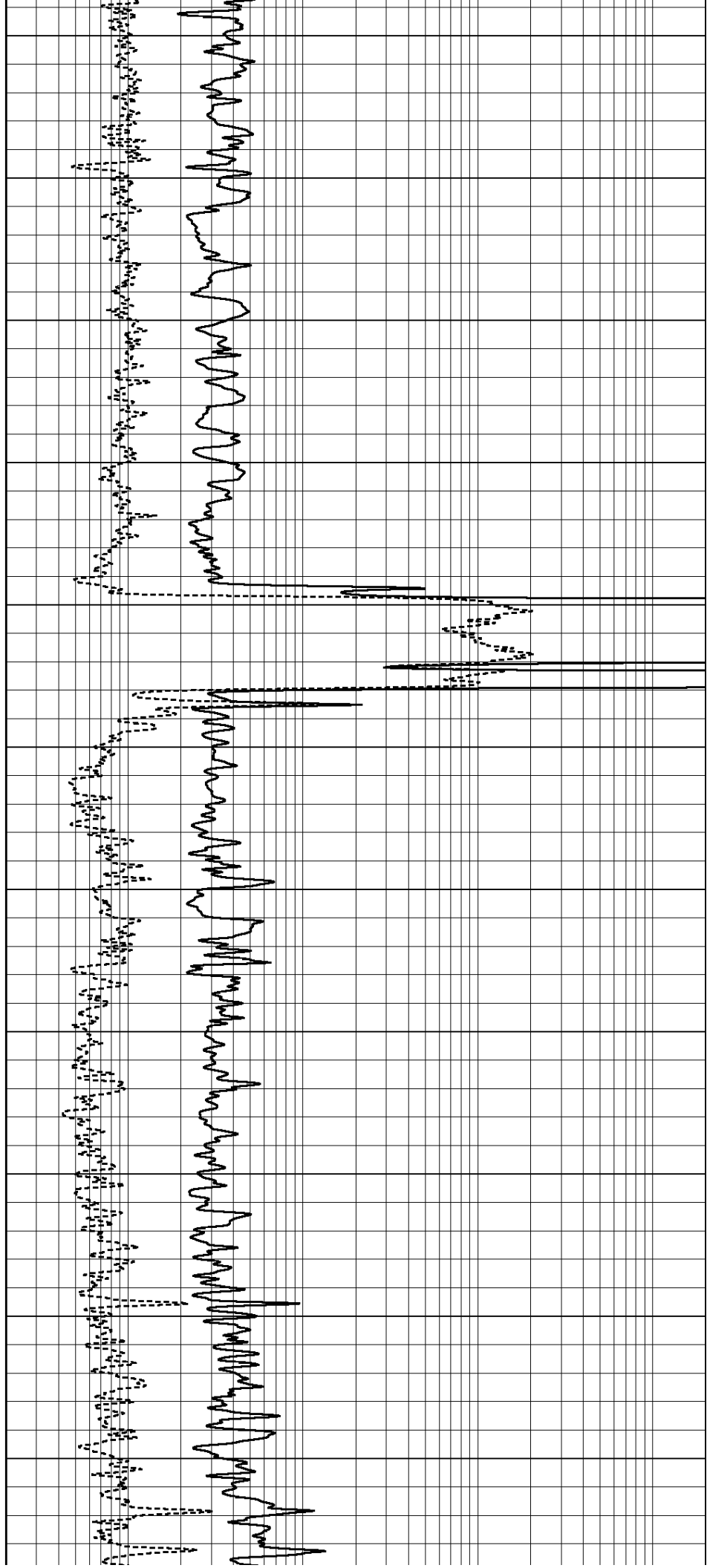
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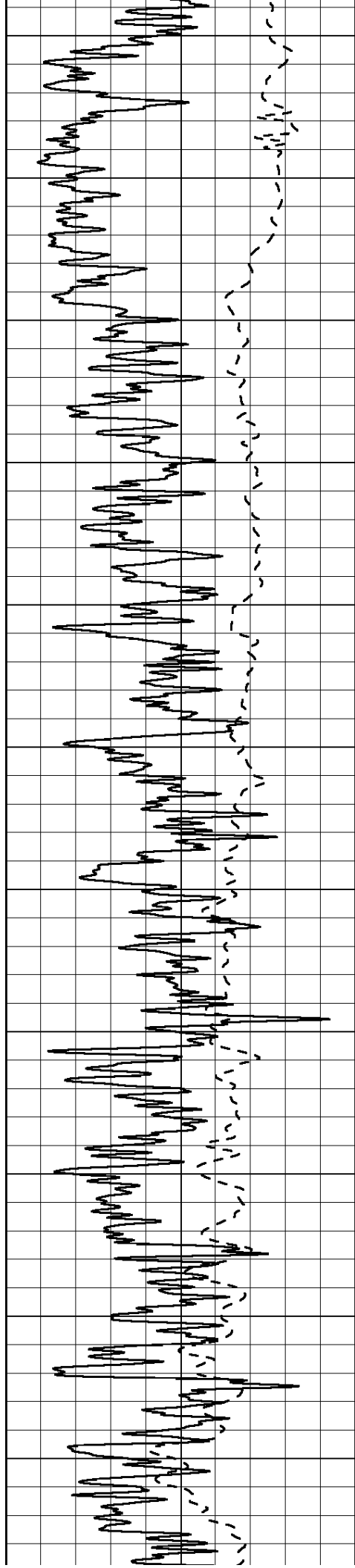
1950

2000

2050

2100





2150

2200

2250

2300

2350

2400

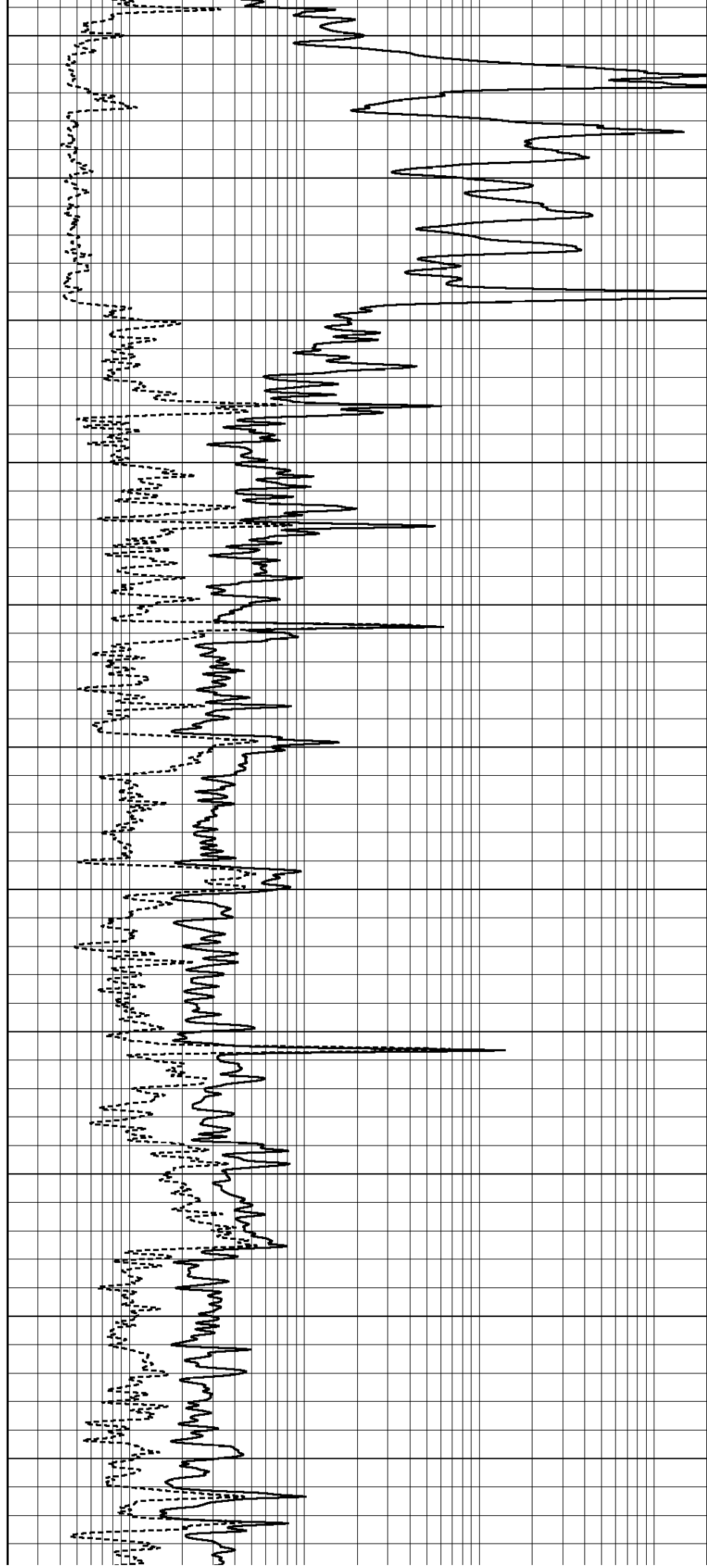
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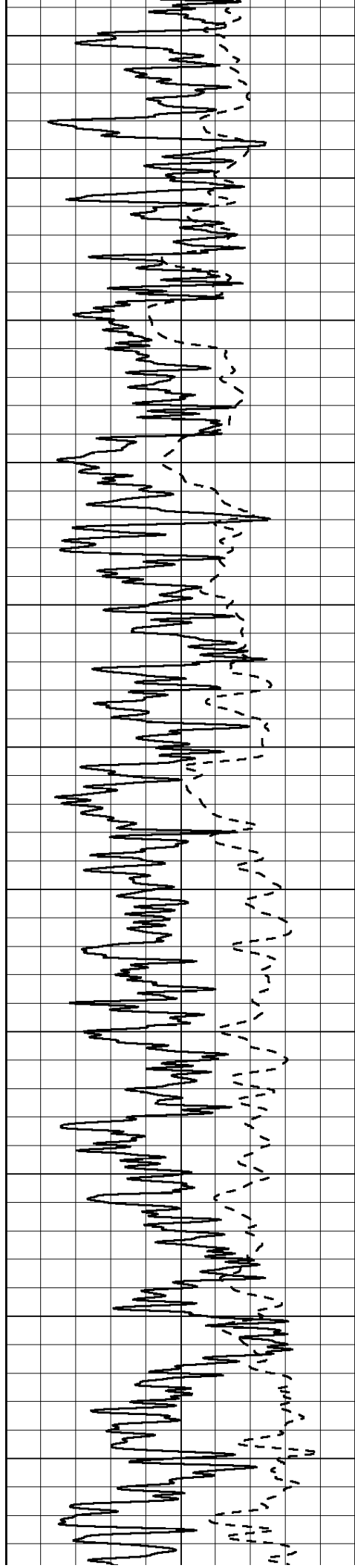
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2550

2600

2650





2700

2750

2800

2850

2900

2950

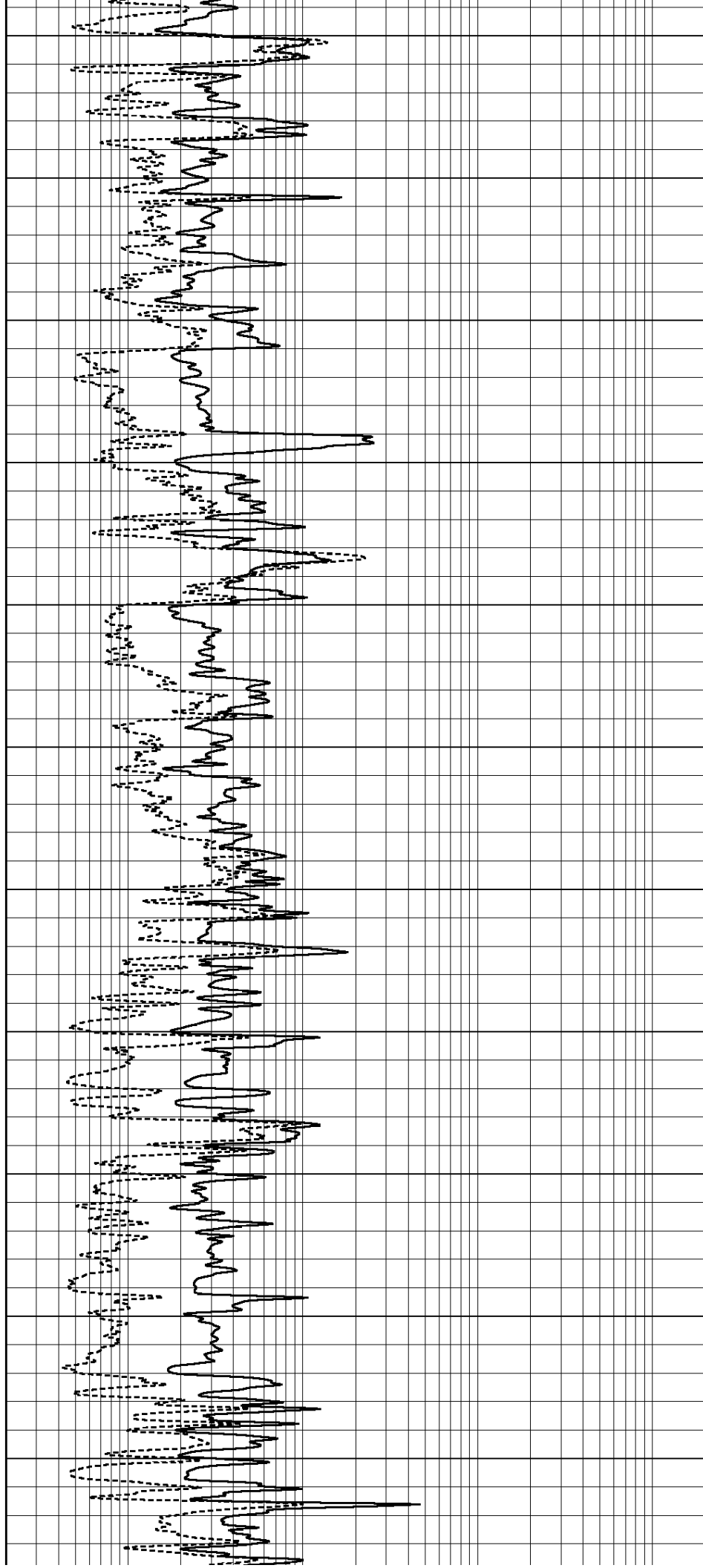
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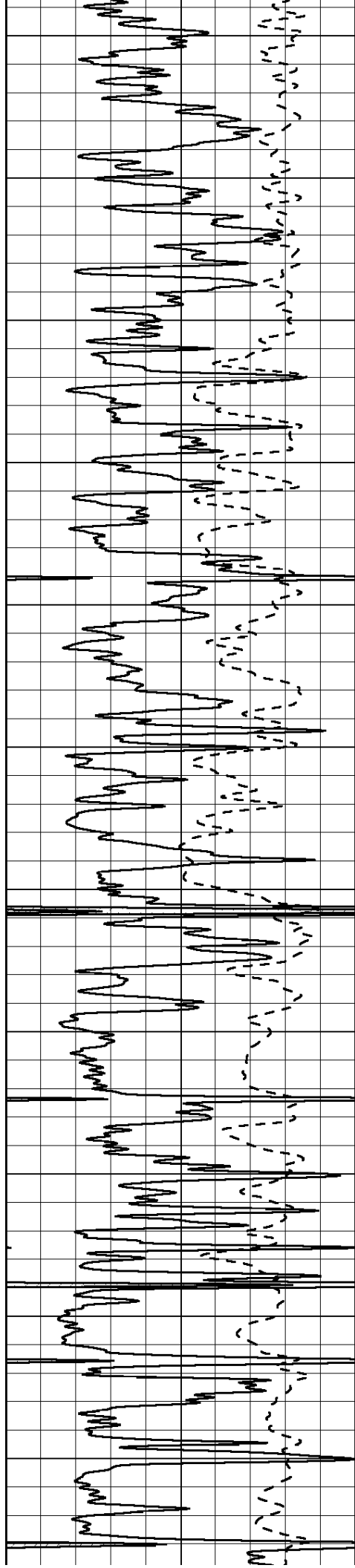
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3100

3150

3200





3250

3300

3350

3400

3450

3500

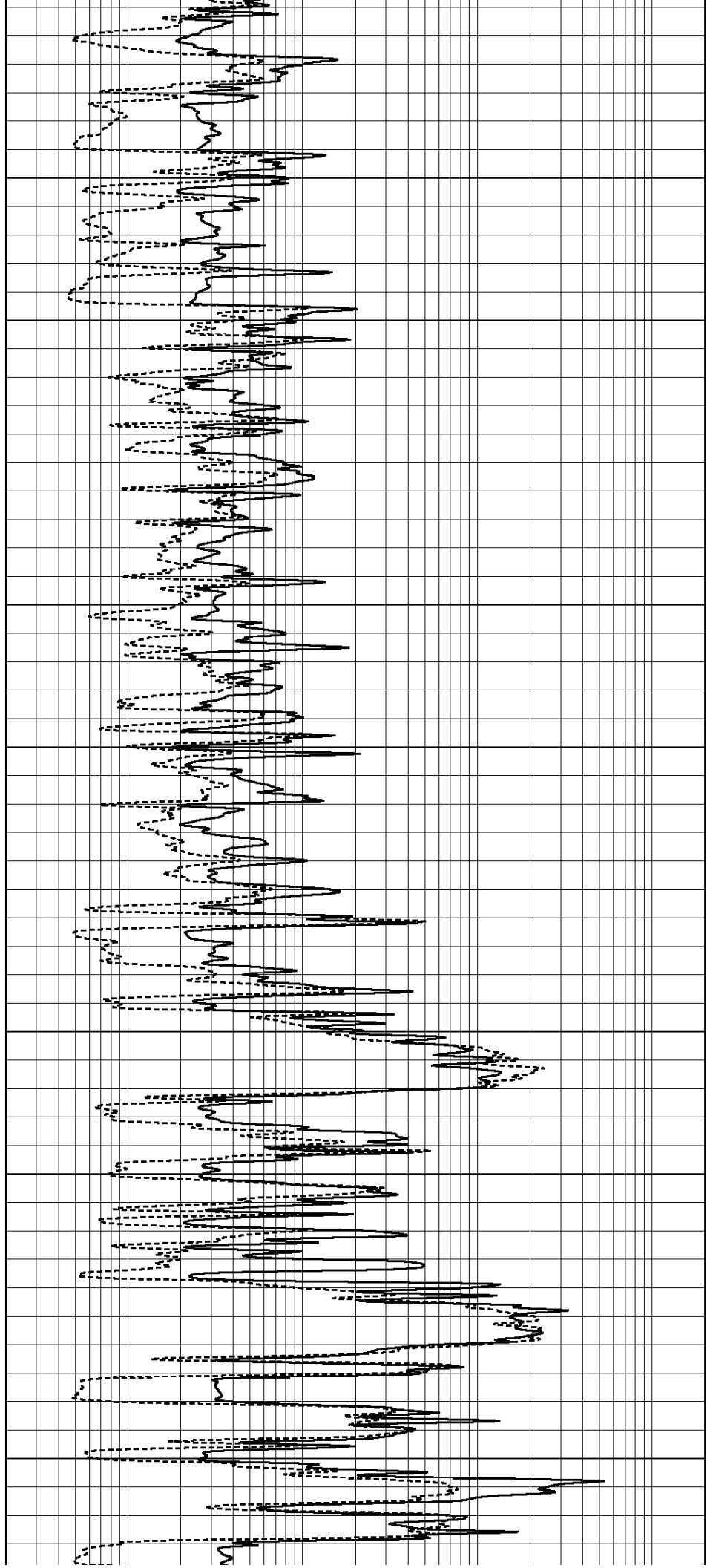
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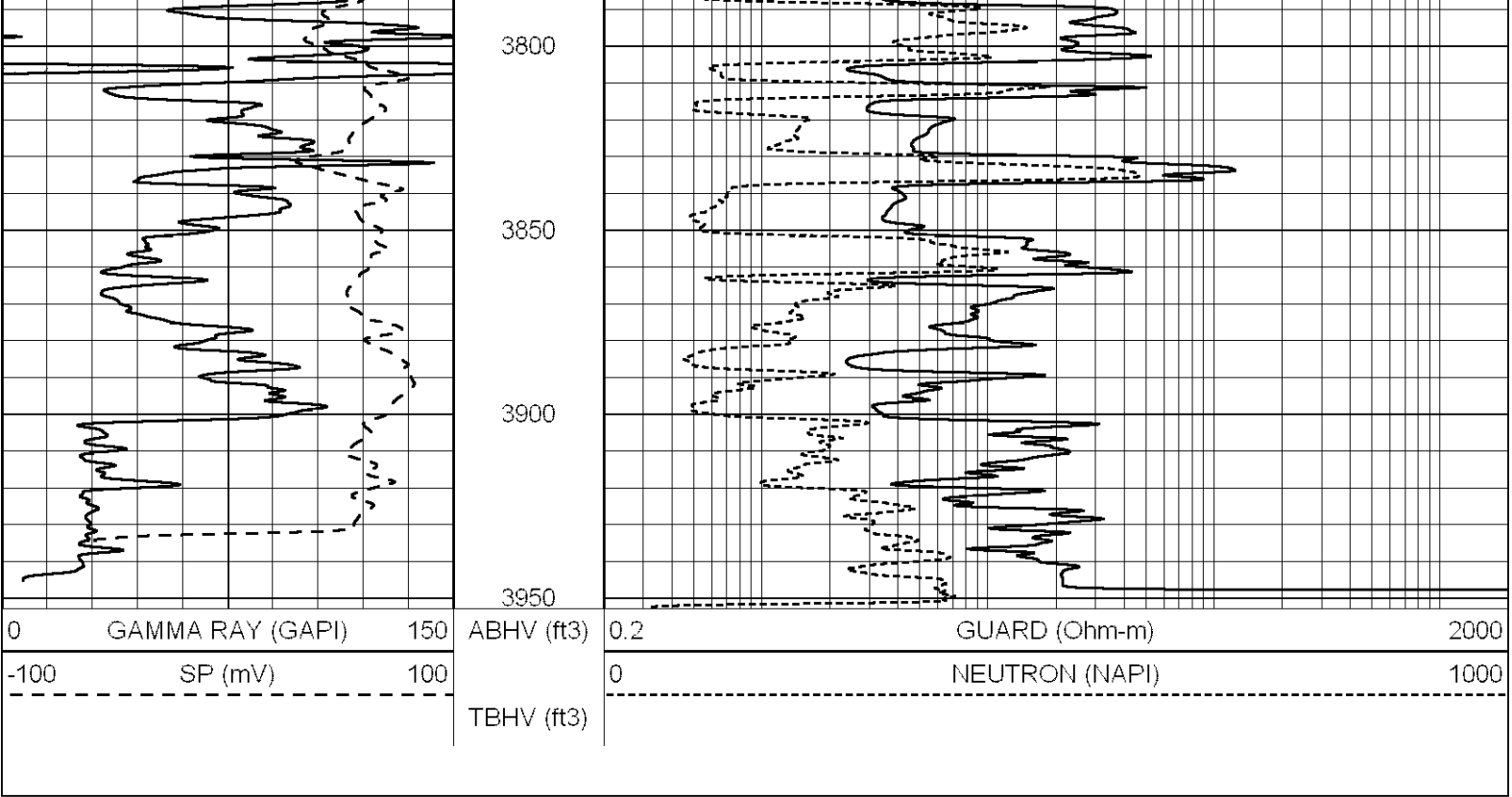
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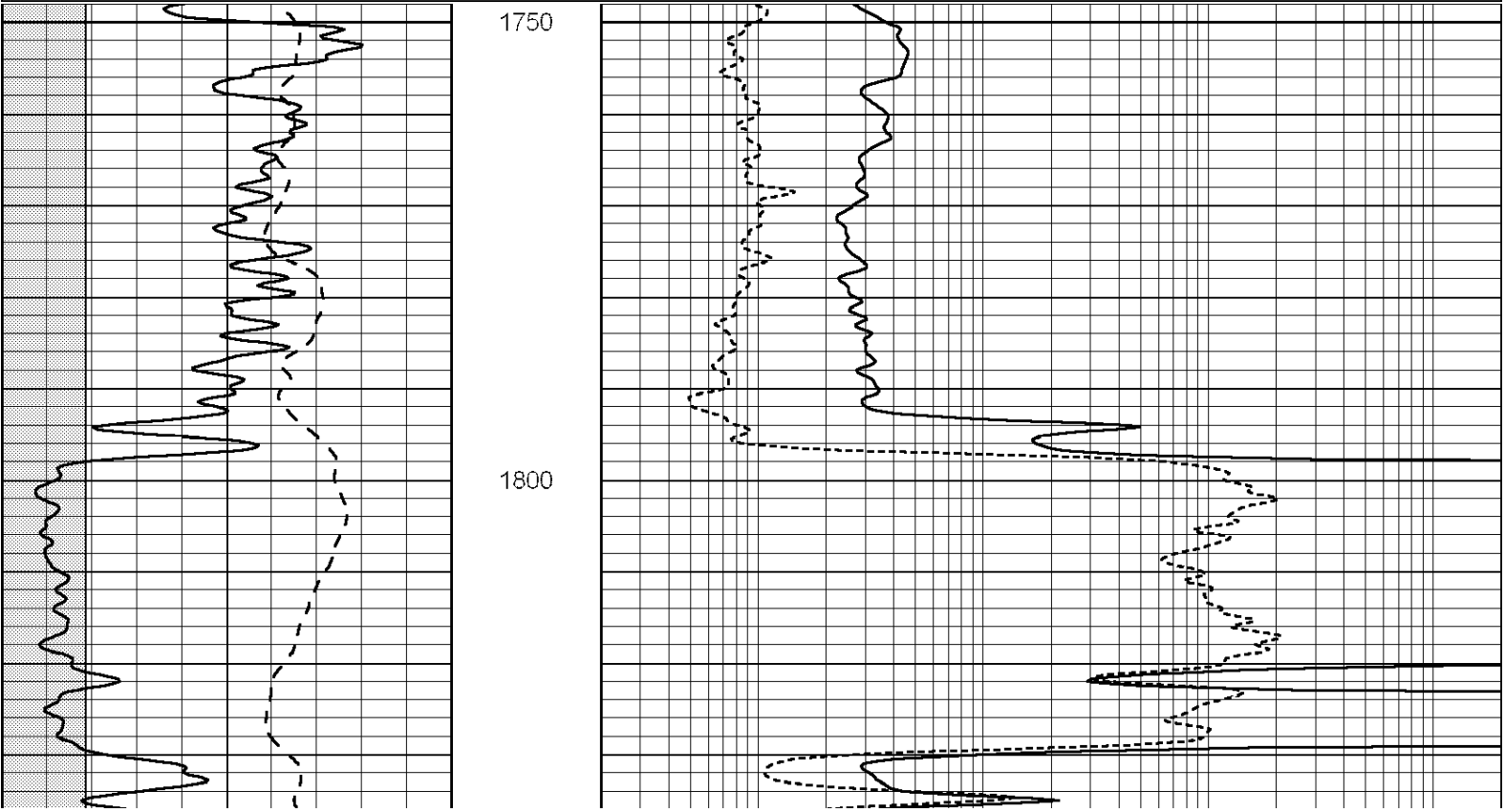
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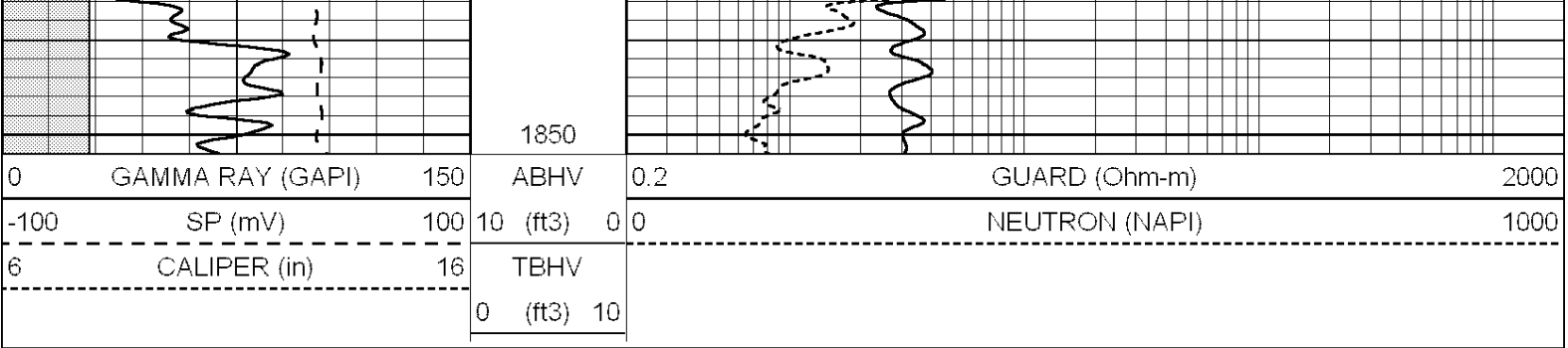
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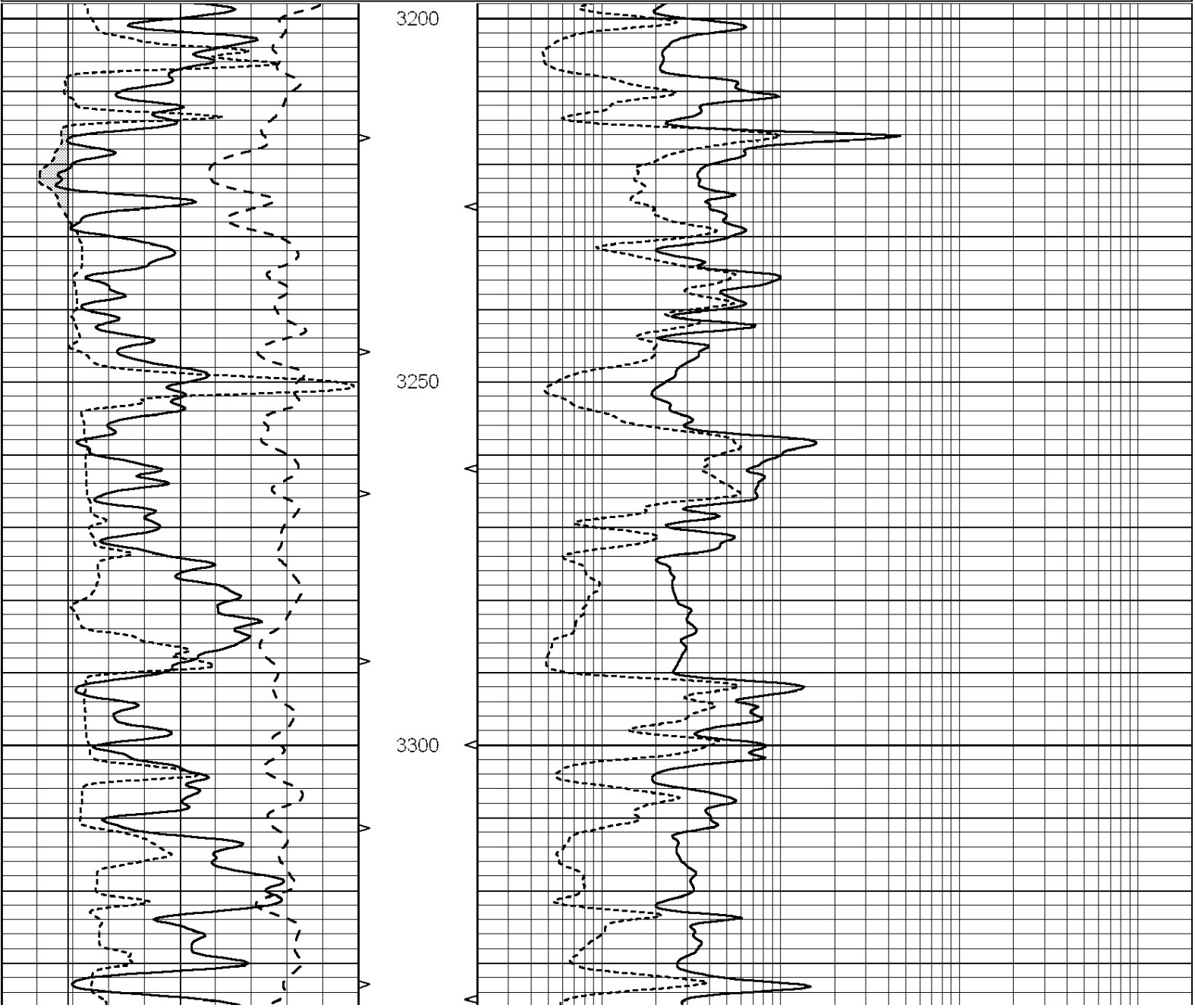
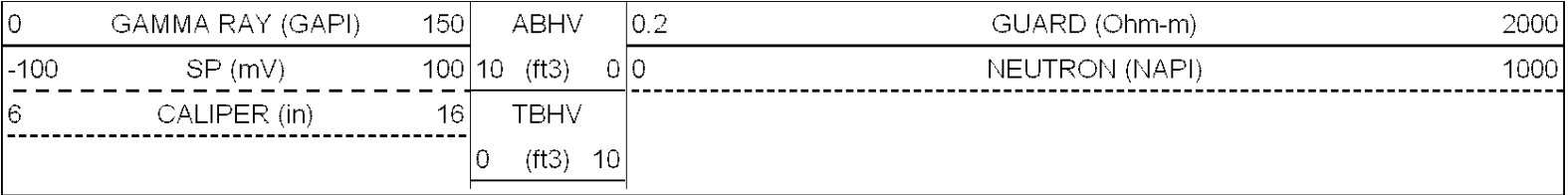


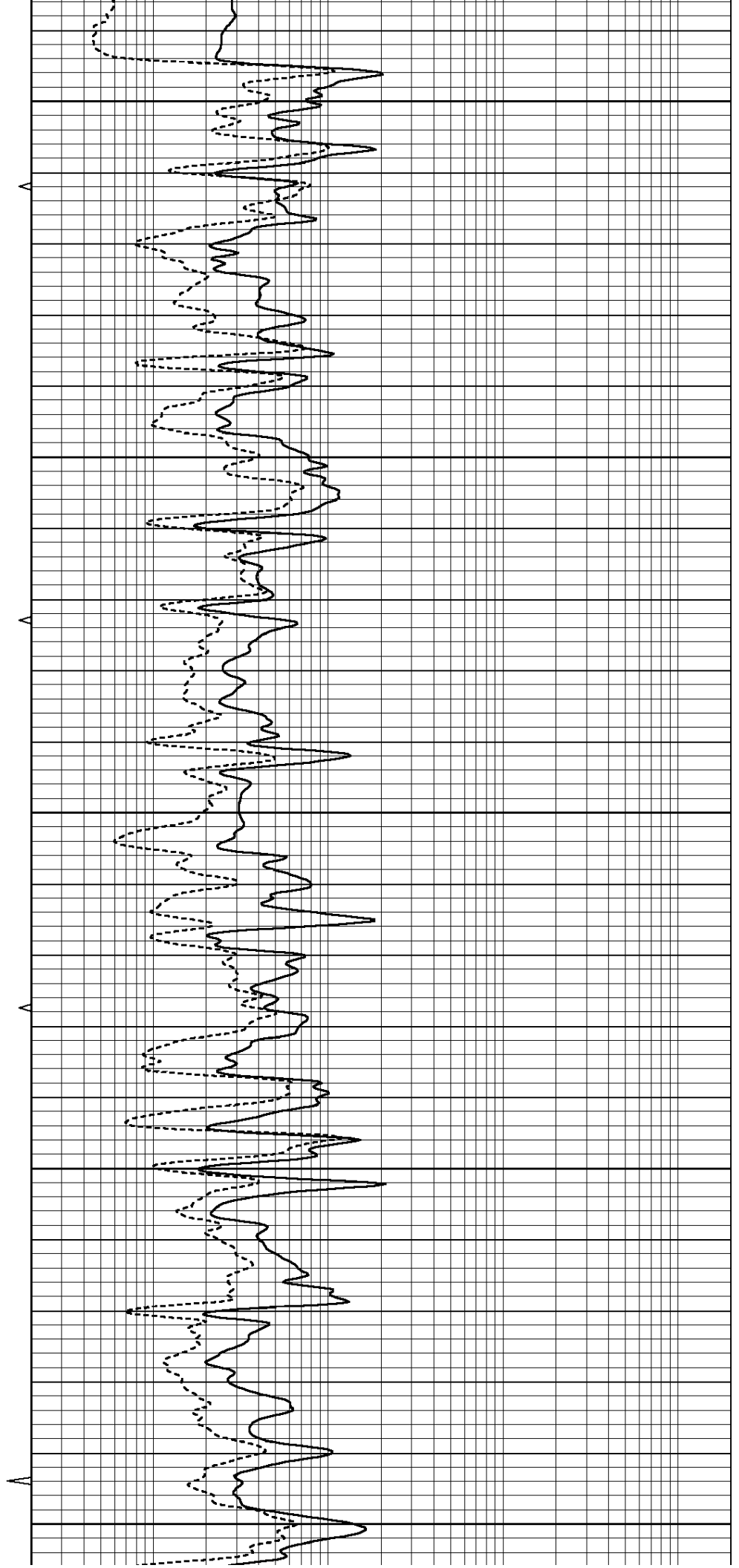
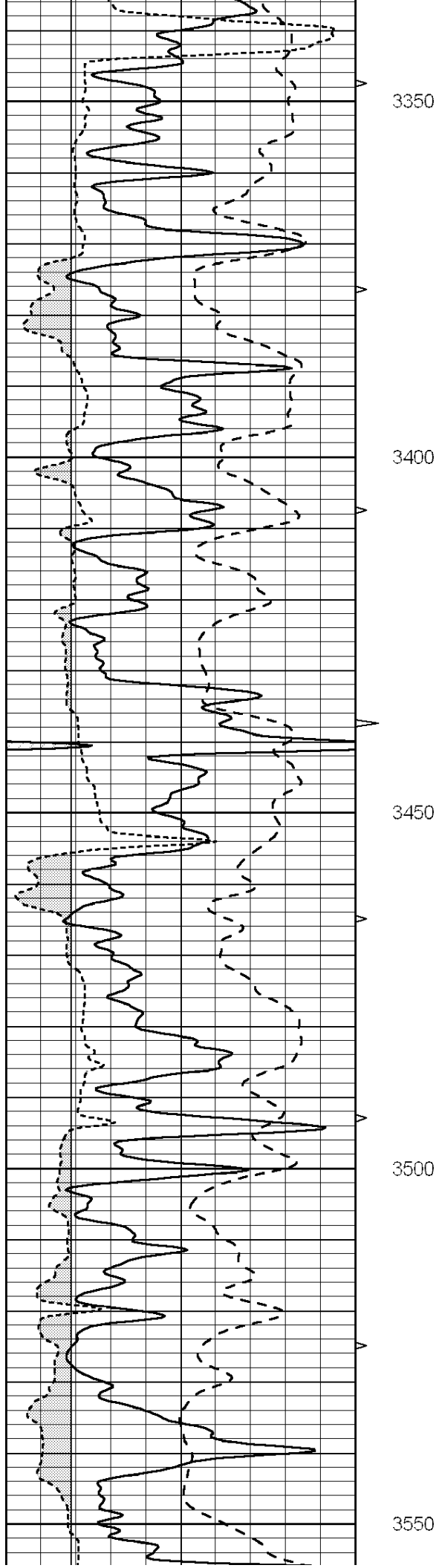
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Presentation Format: rag						
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Charted by: Depth in Feet scaled 1:240						
0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100	10 (ft3)	0	NEUTRON (NAPI)	1000
6	CALIPER (in)	16	TBHV			
			0 (ft3)	10		

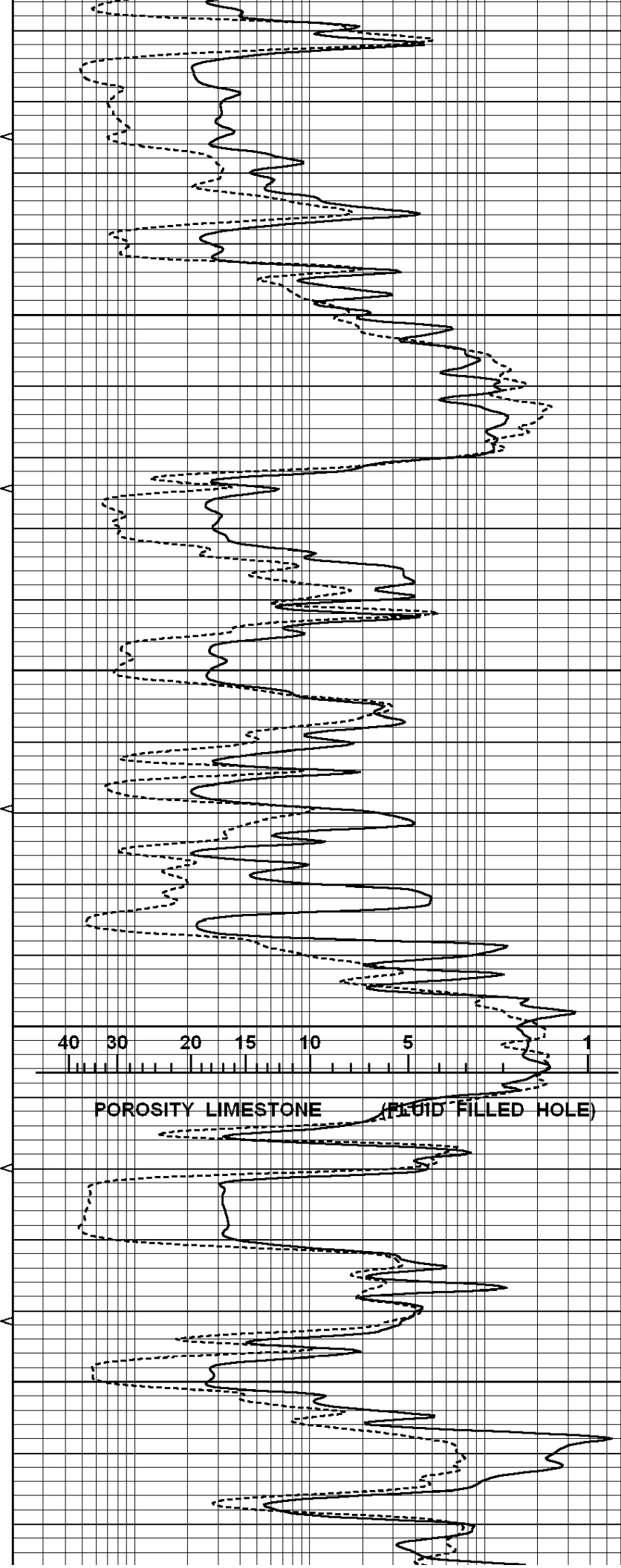
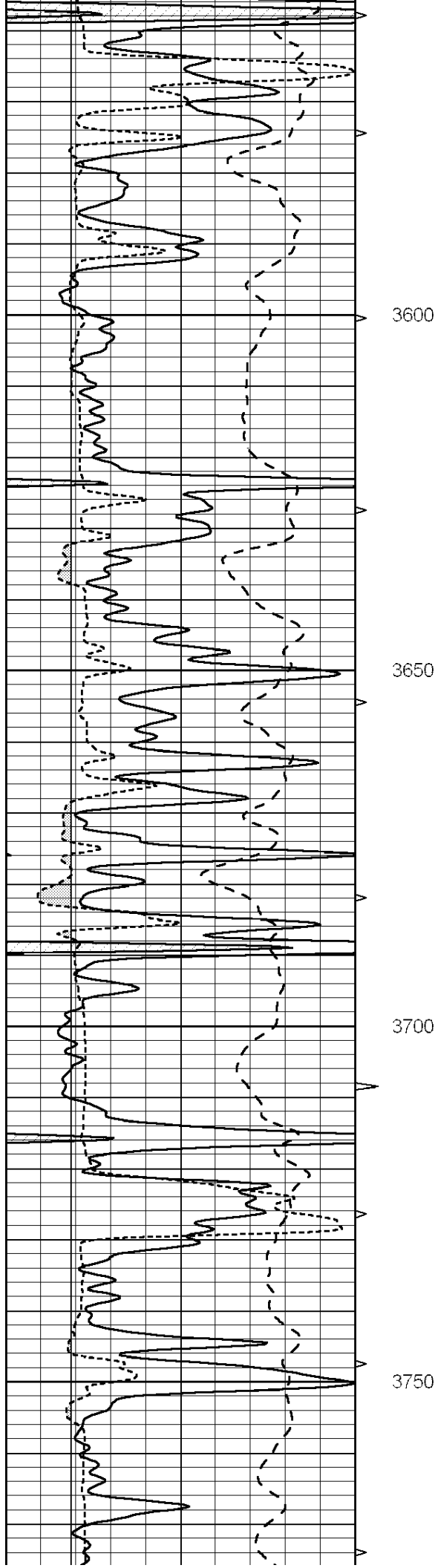


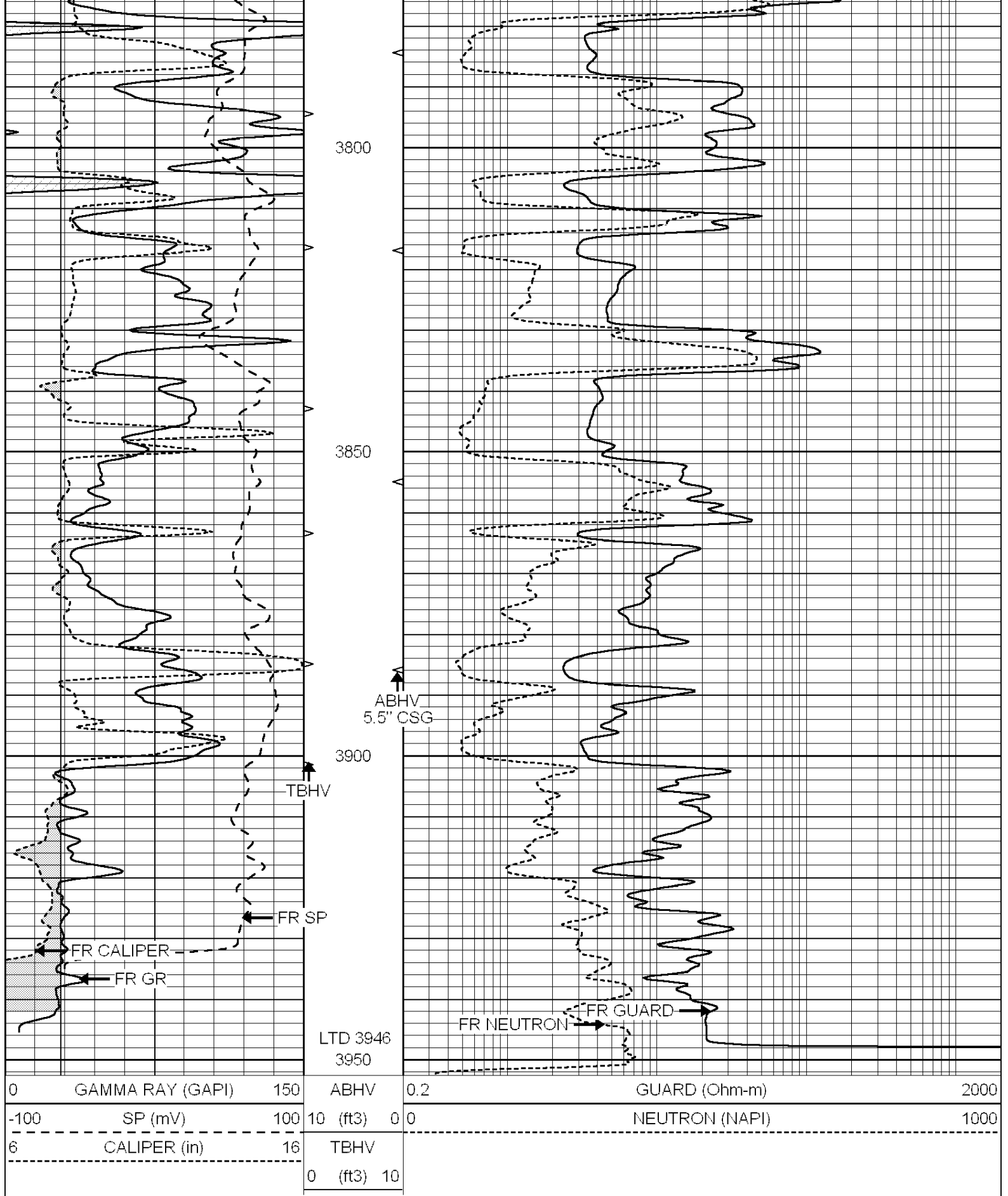


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Charted by: Depth in Feet scaled 1:240







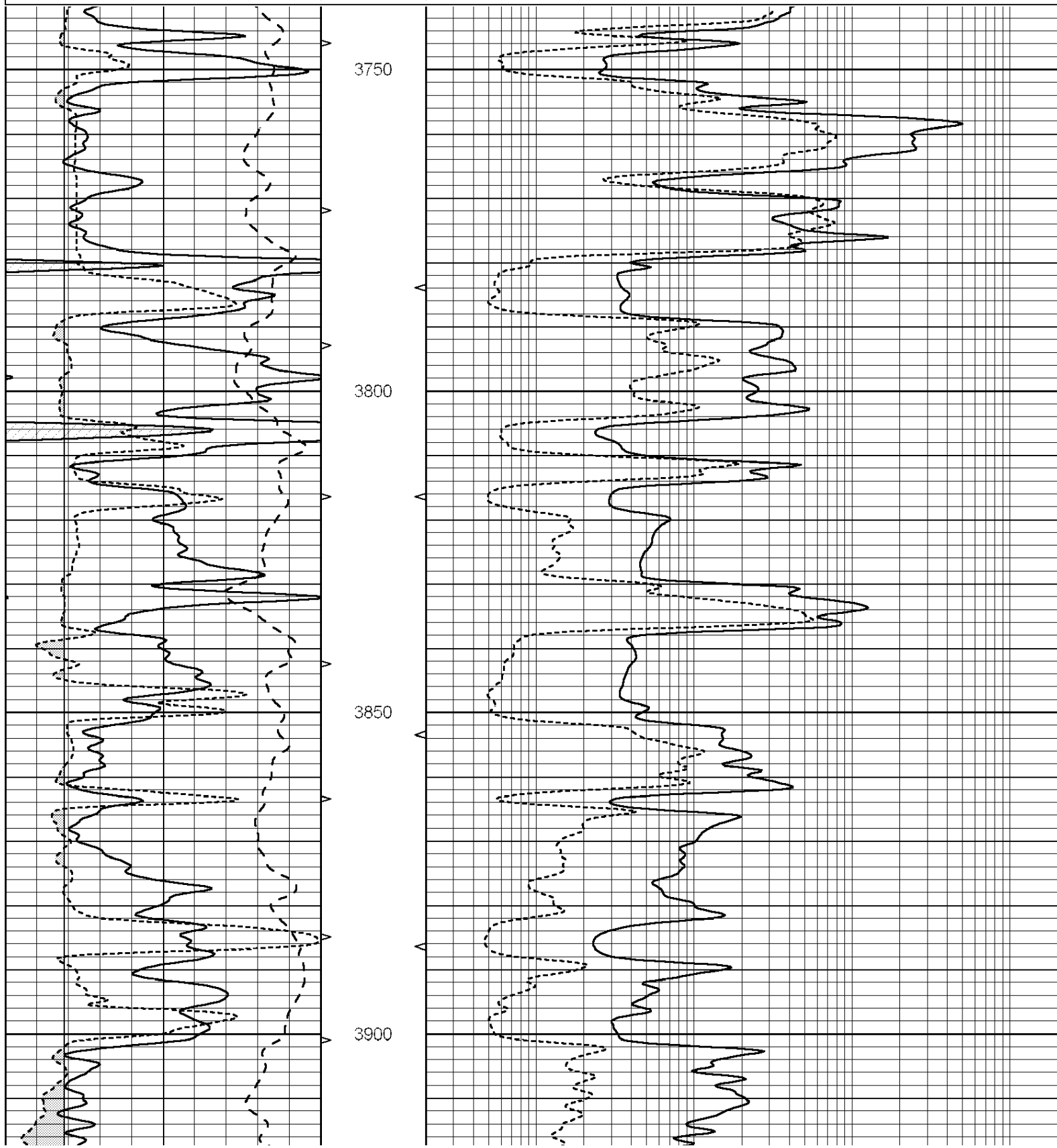


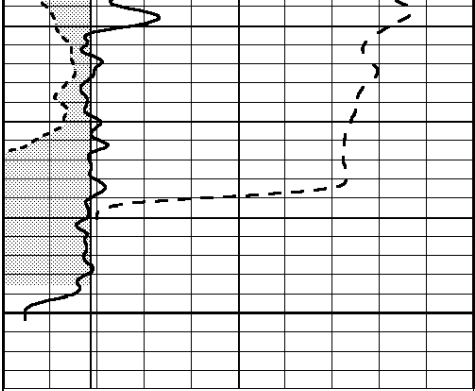
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REPEAT SECTION

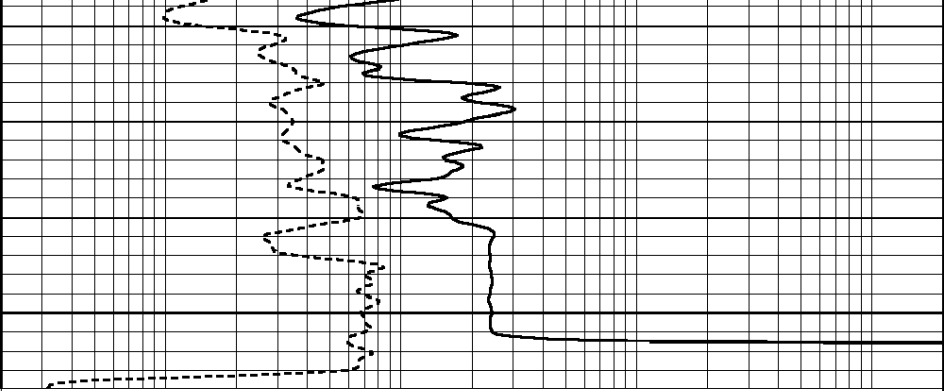
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Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100	10 (ft3)	0 0	NEUTRON (NAPI)	1000
6	CALIPER (in)	16	TBHV			
			0 (ft3)	10		





3950



0 GAMMA RAY (GAPI) 150

ABHV

0.2 GUARD (Ohm-m) 2000

-100 SP (mV) 100

10 (ft3) 0

0 NEUTRON (NAPI) 1000

6 CALIPER (in) 16

TBHV

0 (ft3) 10