



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company	RITCHIE EXPLORATION, INC.		
Well	#1 REBARCHEK 8A		
Field	WILDCAT		
County	GOVE	State	KANSAS
Location:	API # : 15-063-21827-0000 1585' FNL & 1760' FEL 65'N & 110'W OF NE - SW - NE SEC 8 TWP 14S RGE 31W		Other Services CDL/CNL
Permanent Datum	GROUND LEVEL	Elevation	2905
Log Measured From	KELLY BUSHING 10' A.G.L.	D.F.	2913
Drilling Measured From	KELLY BUSHING	G.L.	2905
Date	3-5-10		
Run Number	ONE		
Depth Driller	4655		
Depth Logger	4654		
Bottom Logged Interval	4652		
Top Log Interval	0		
Casing Driller	220		
Casing Logger	219		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2 / 55	CHLORIDES 2200	
pH / Fluid Loss	10.5 / 8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.00 @ 60F		
Rinf @ Meas. Temp	0.75 @ 60F		
Rmc @ Meas. Temp	1.20 @ 60F		
Source of Rinf / Rmc	MEASURED		
Rim @ BHT	0.49 @ 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	TED JOCHEMS		

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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.

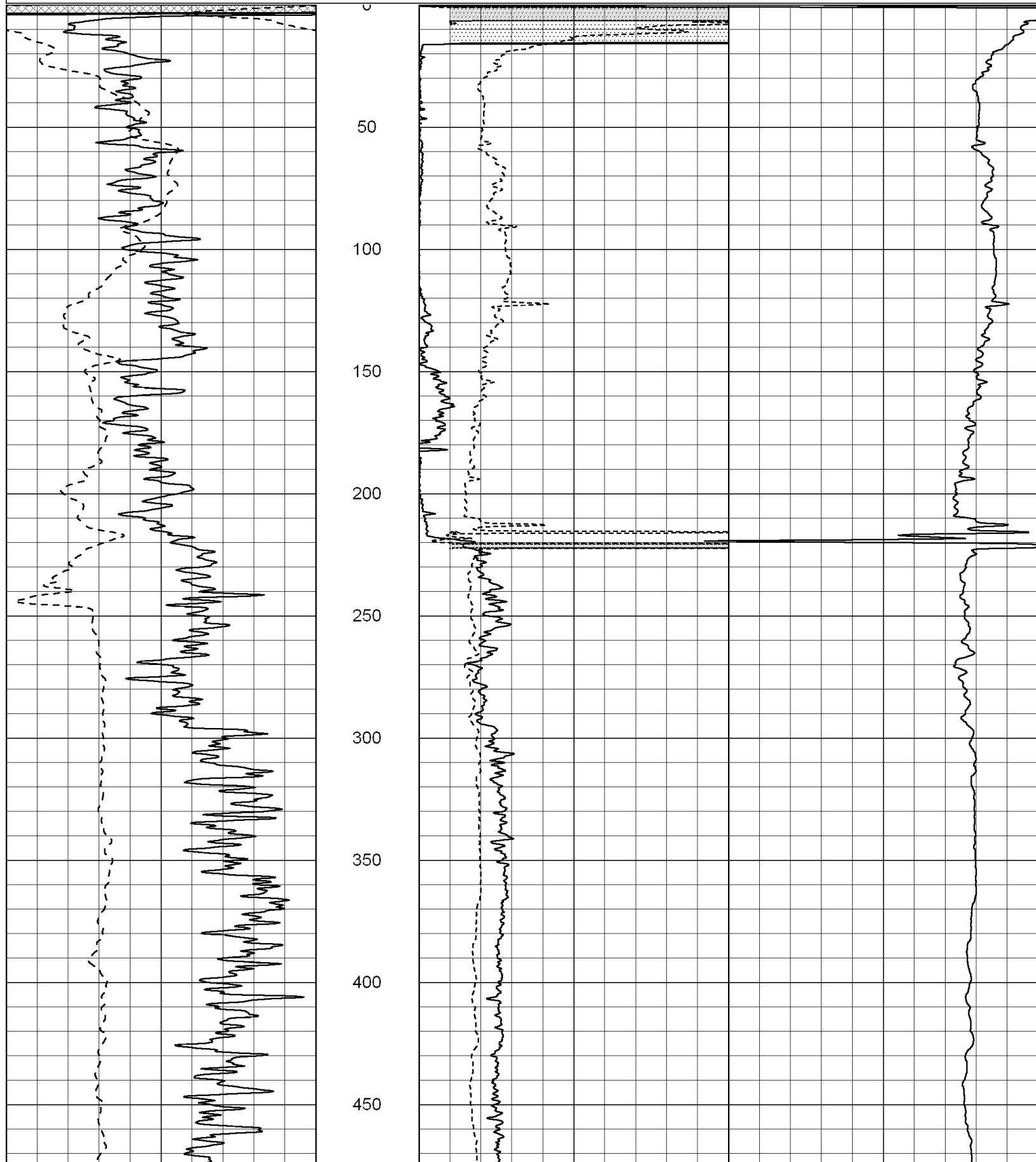
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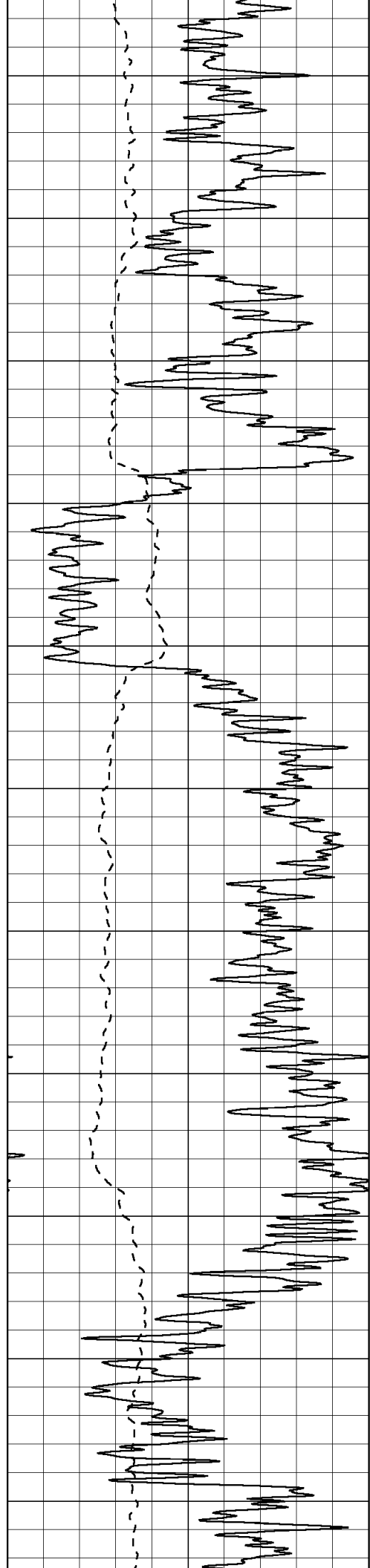
SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY, KS - SOUTH ON HWY 83 TO JAYHAWK RD
EAST 4 MILES - NORTH 2 MILES - WEST 1/3 MILE
SOUTH INTO

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

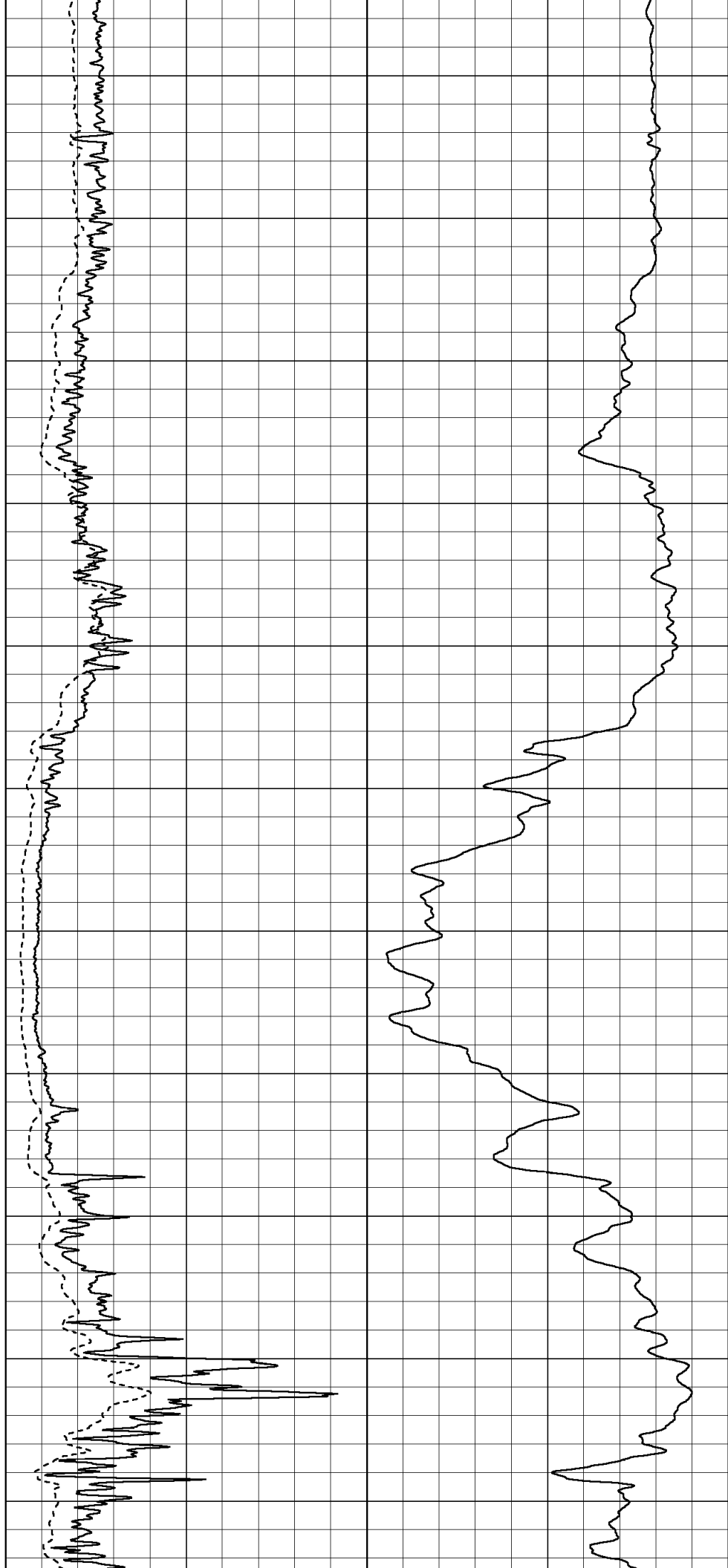
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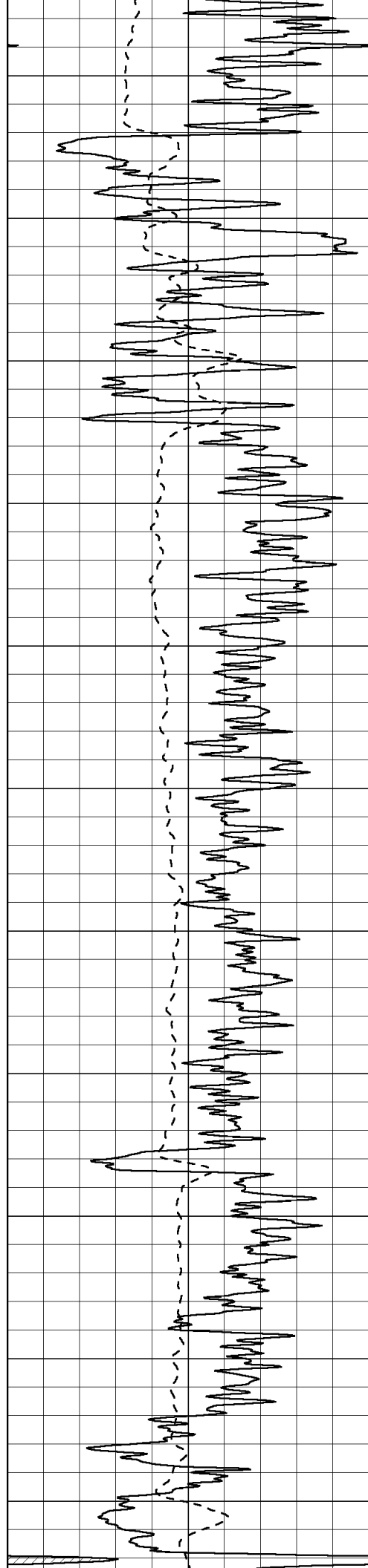
850

900

950

1000





1050

1100

1150

1200

1250

1300

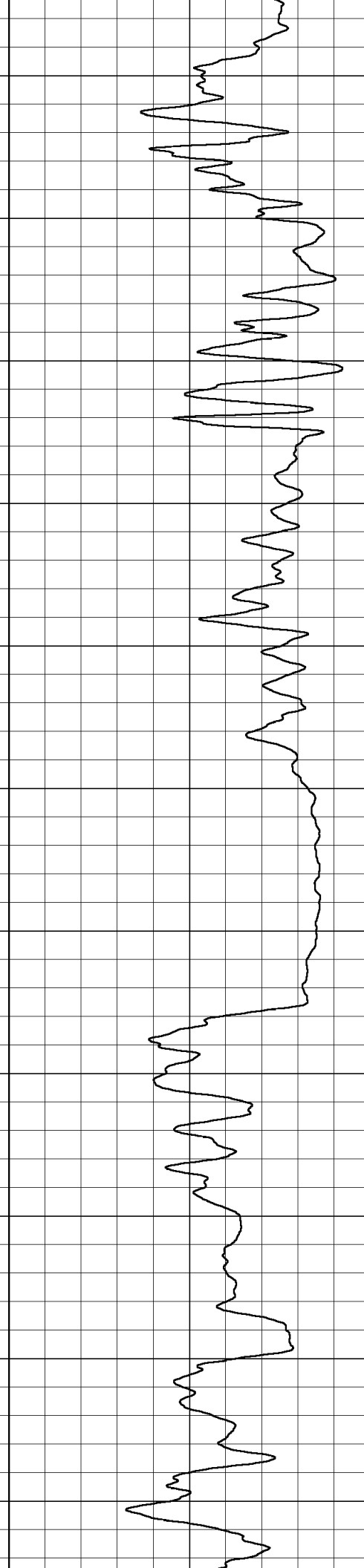
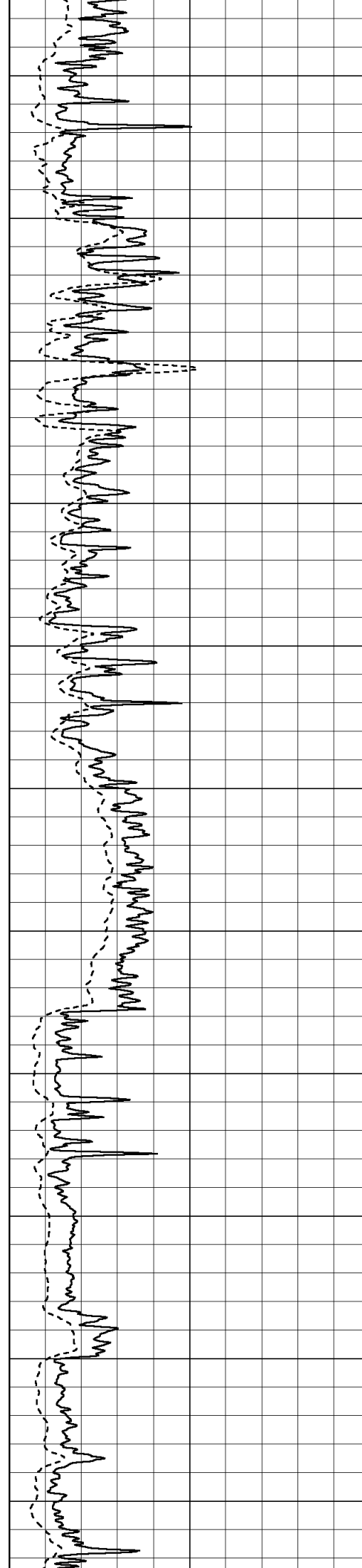
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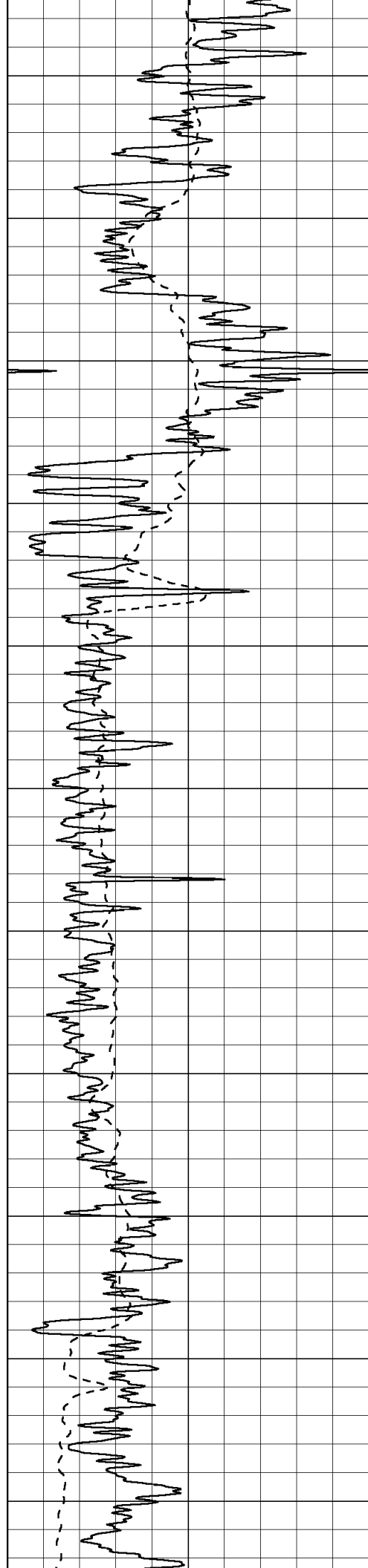
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1450

1500

1550





1600

1650

1700

1750

1800

1850

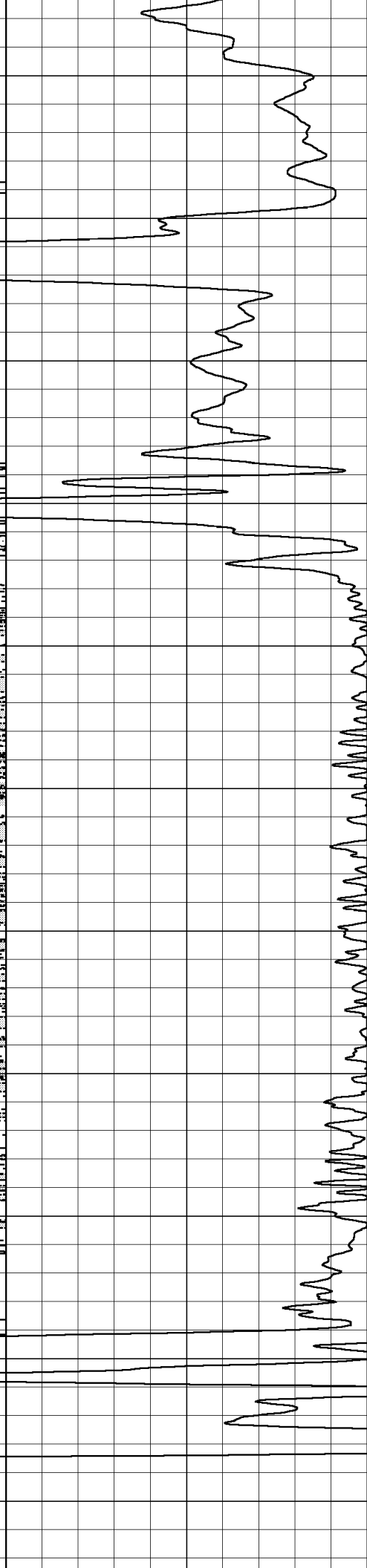
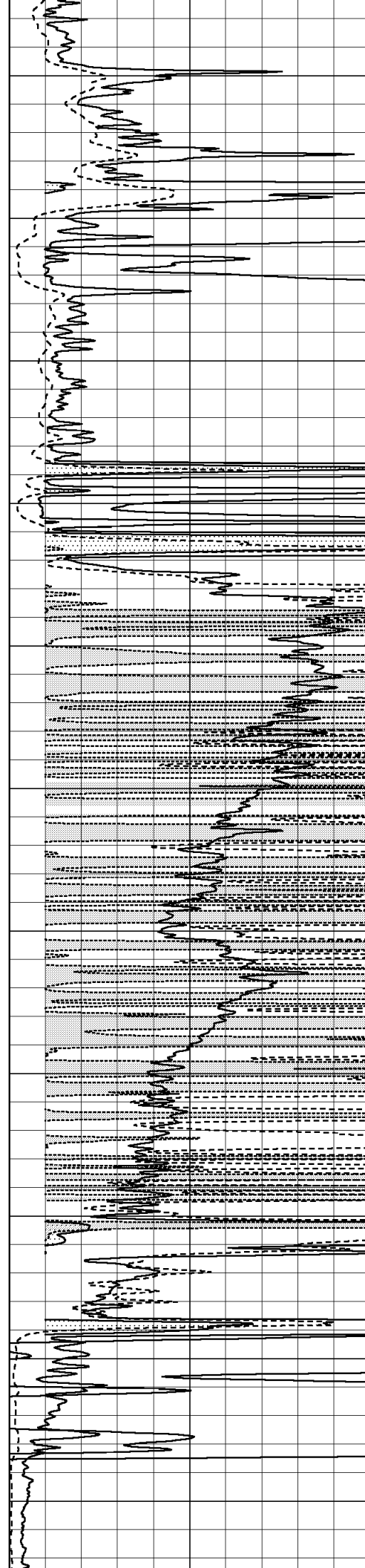
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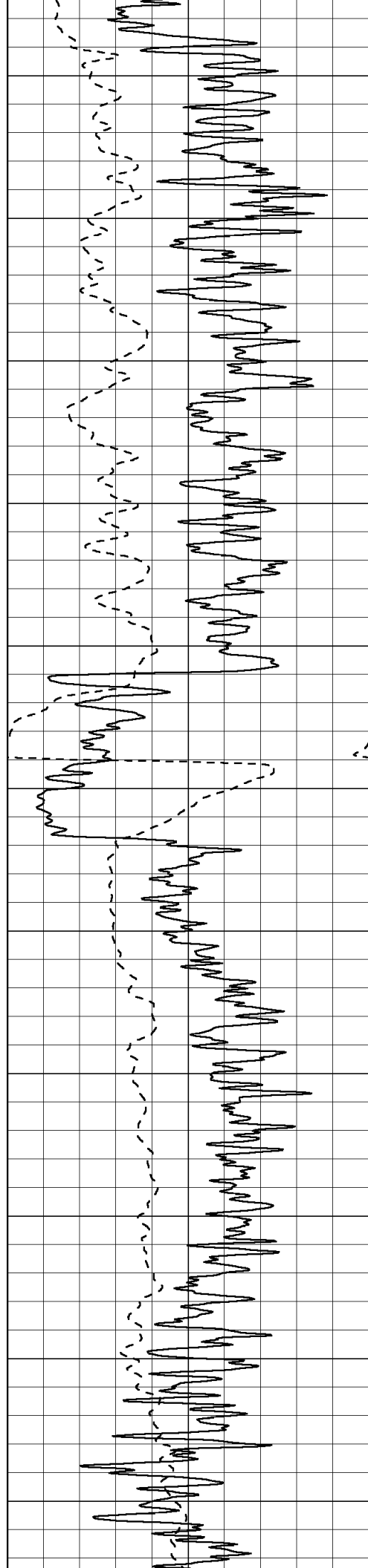
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2000

2050

2100





2150

2200

2250

2300

2350

2400

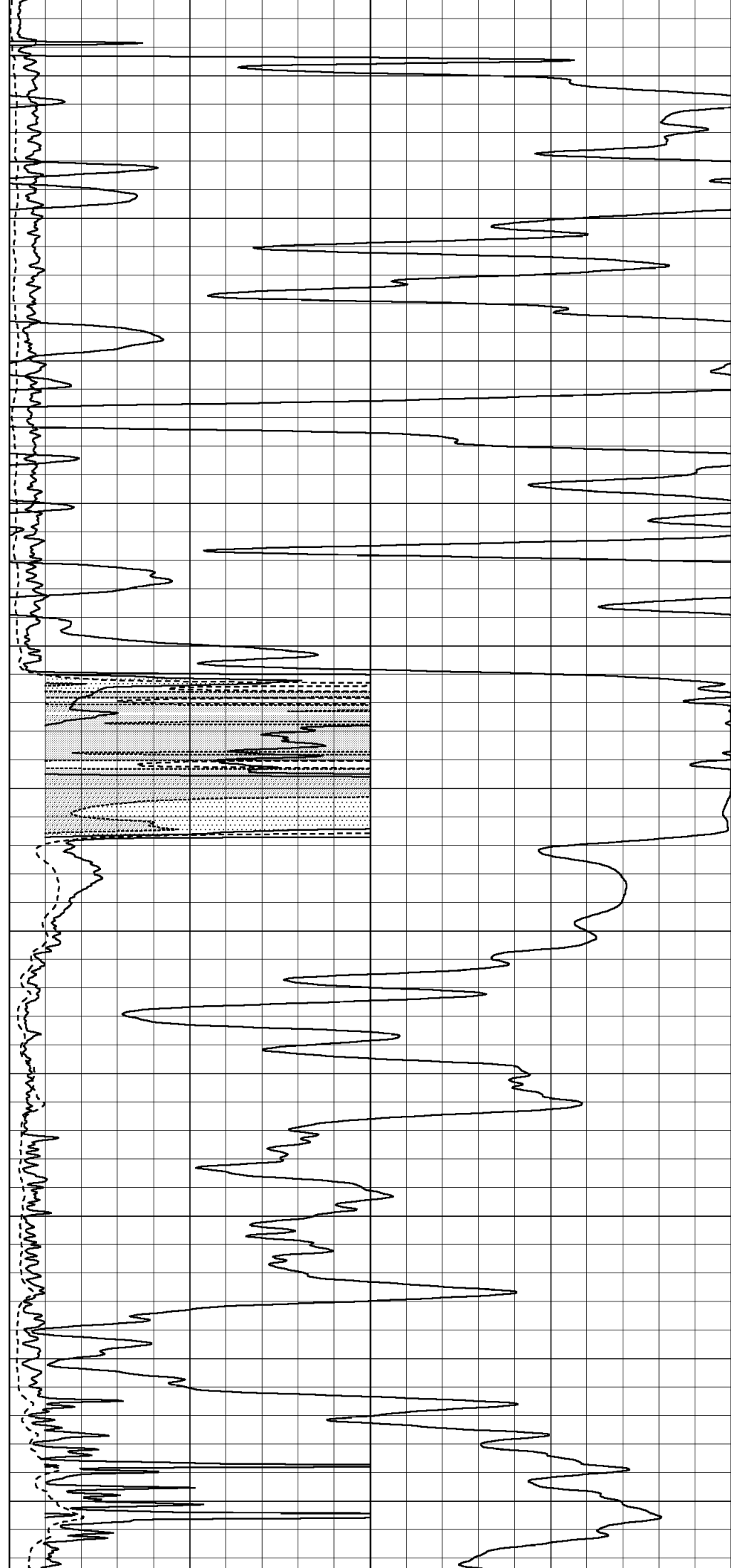
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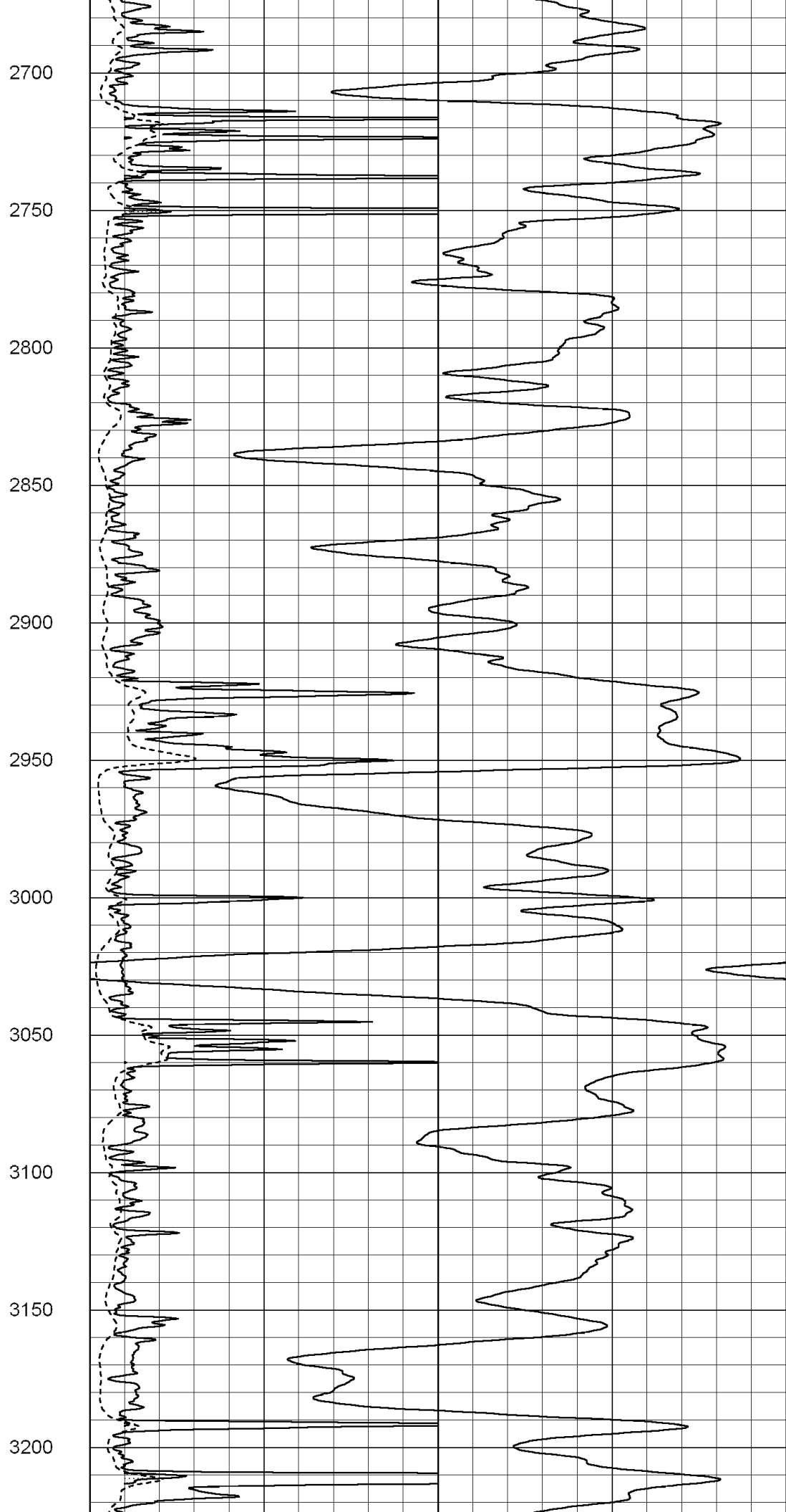
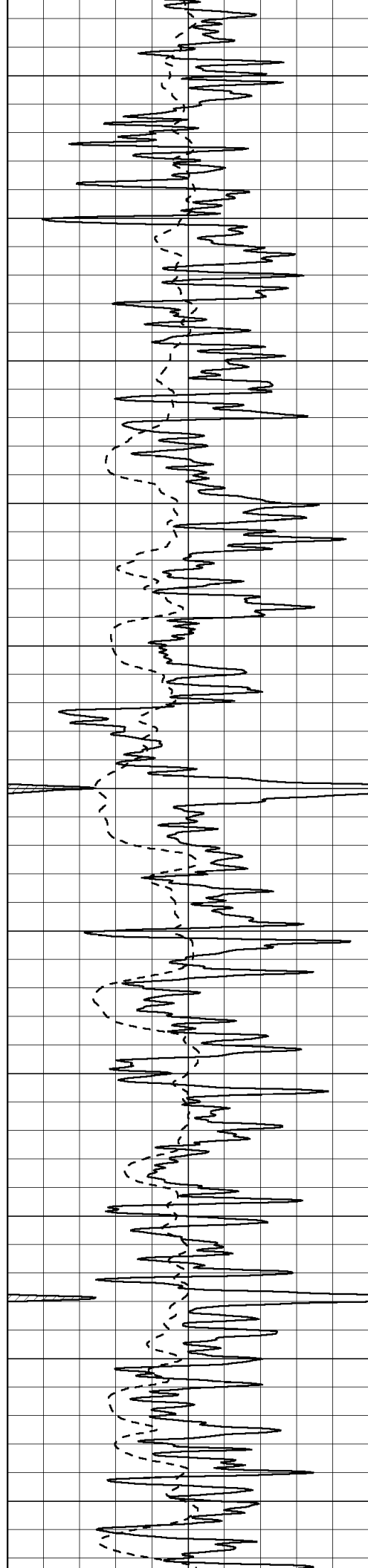
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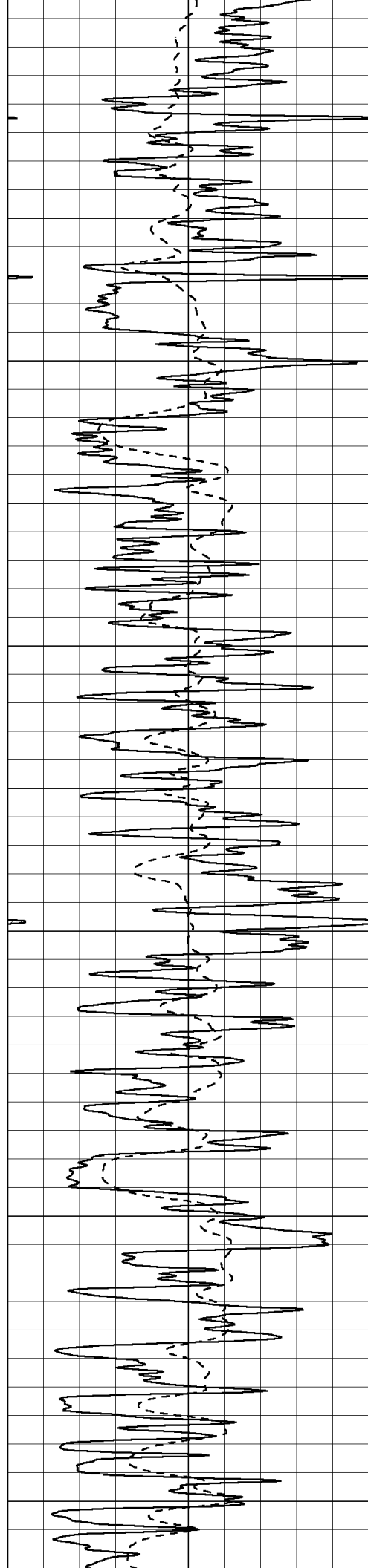
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2600

2650







3250

3300

3350

3400

3450

3500

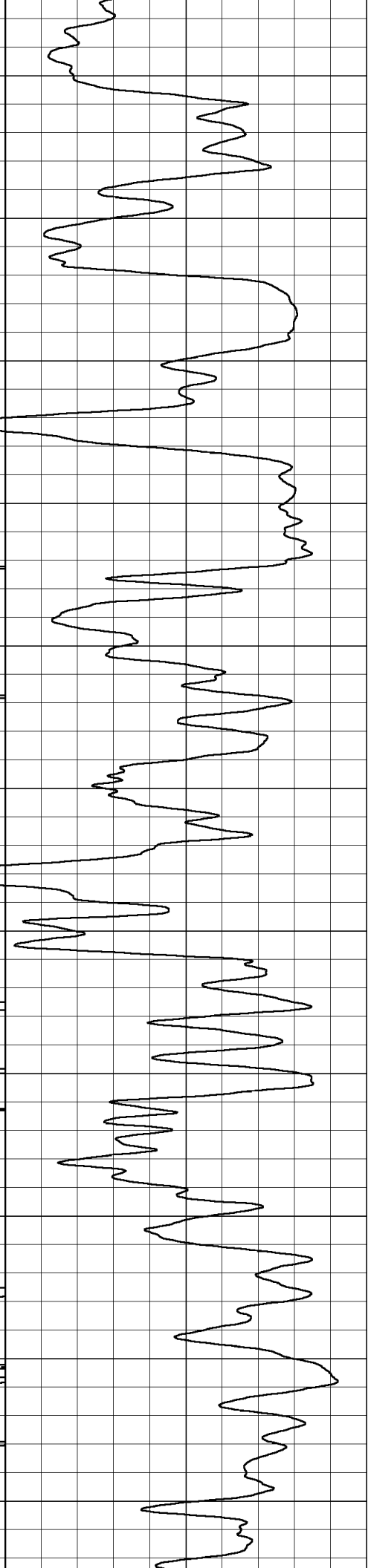
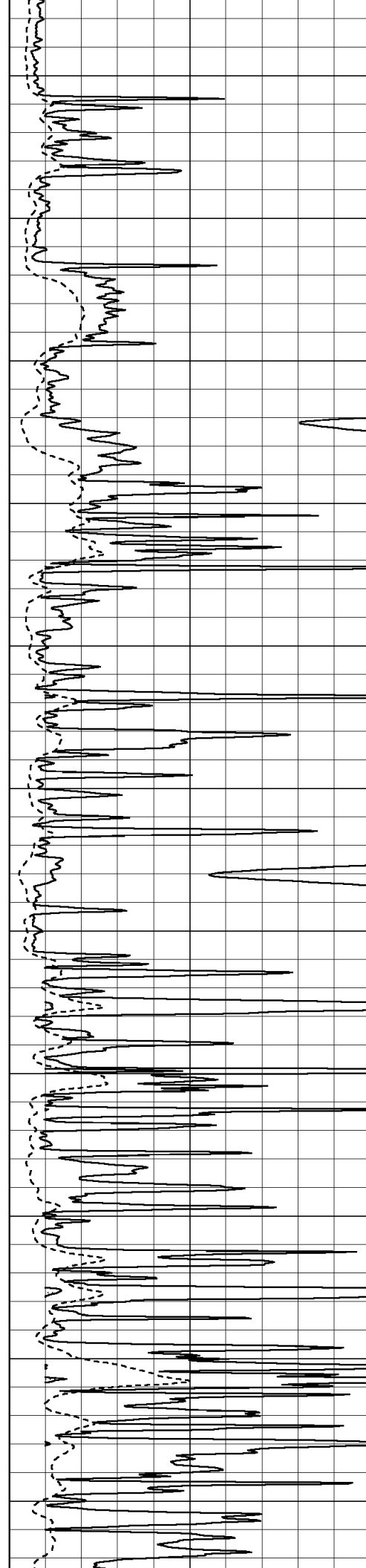
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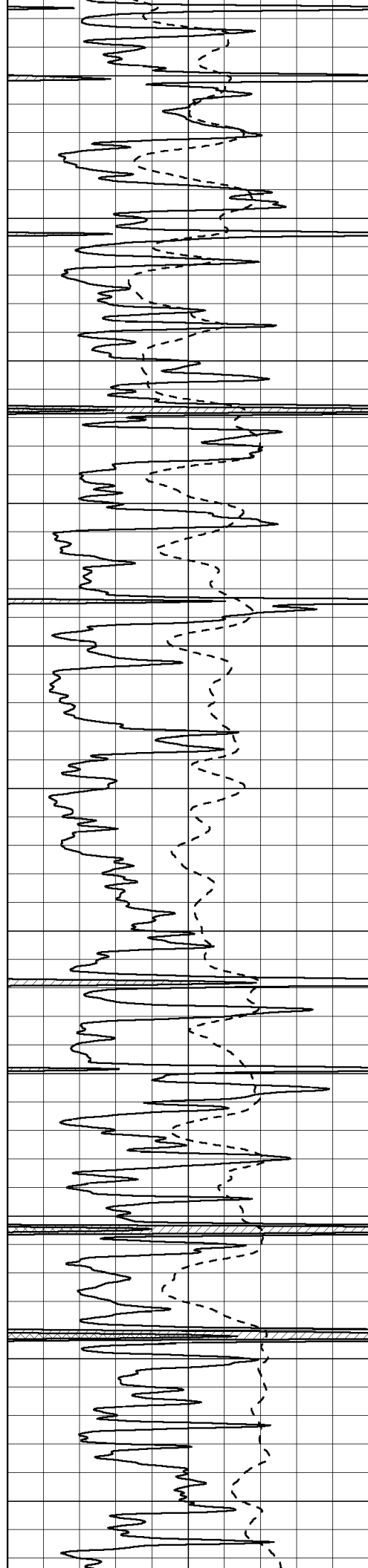
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3650

3700

3750





3800

3850

3900

3950

4000

4050

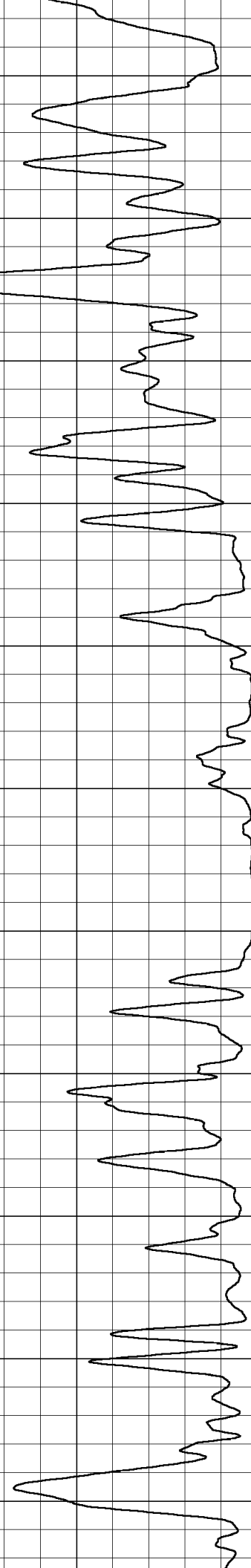
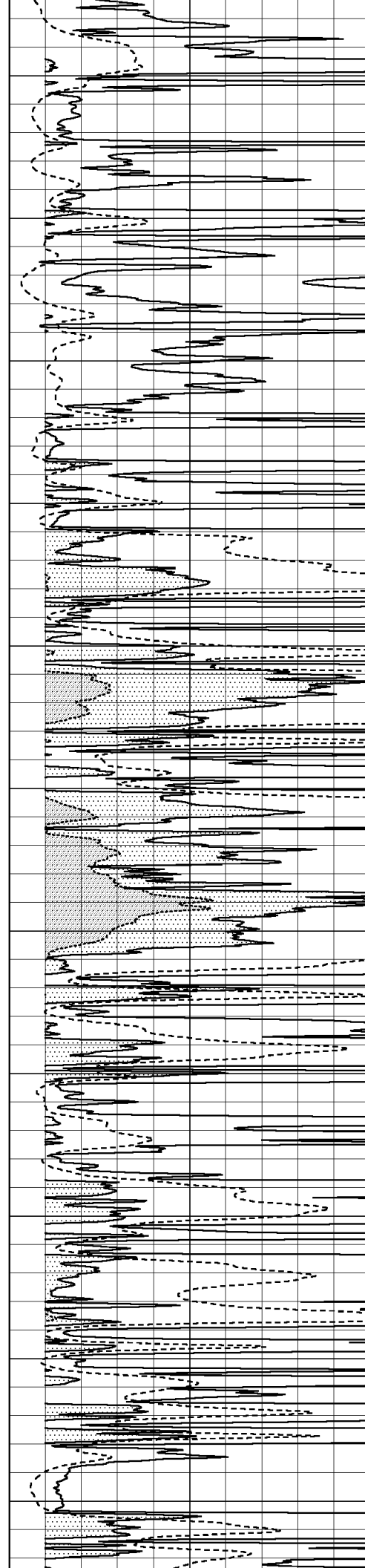
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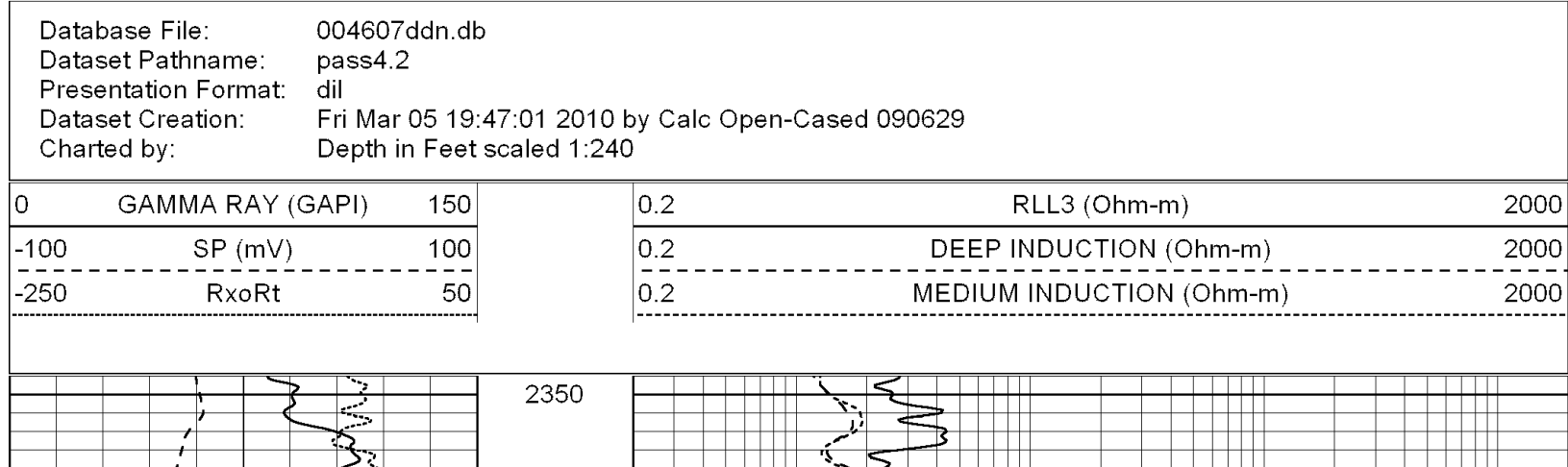
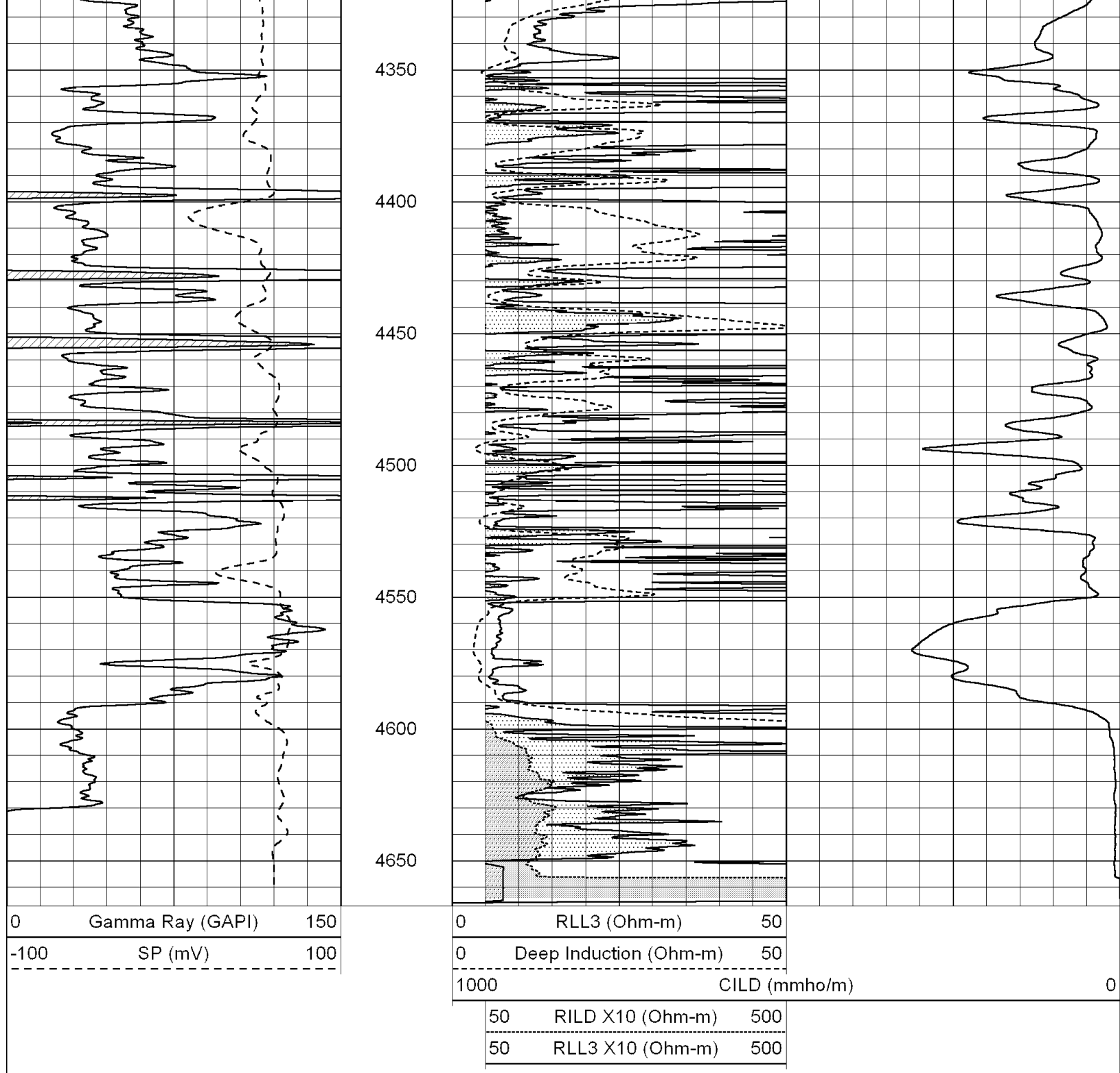
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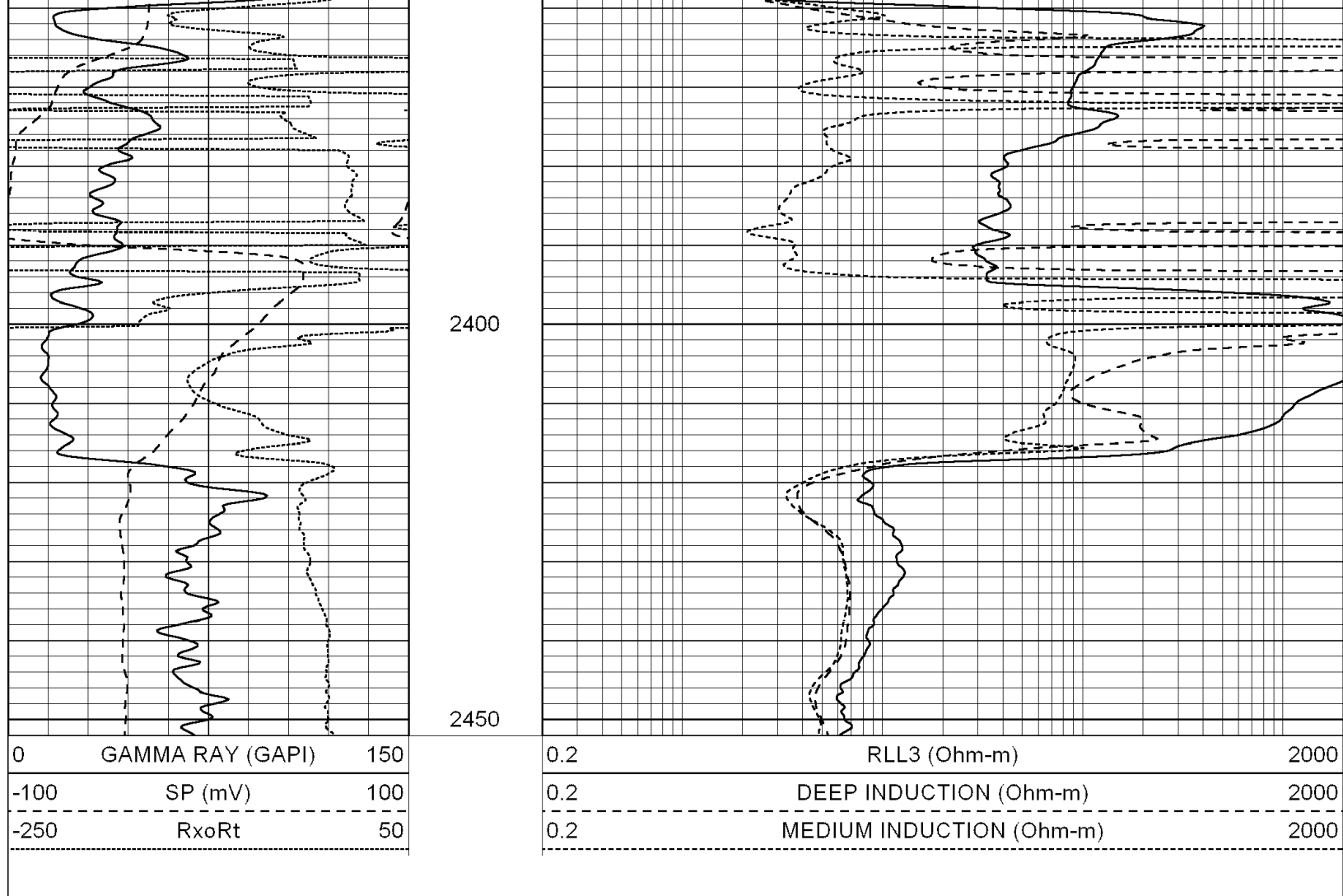
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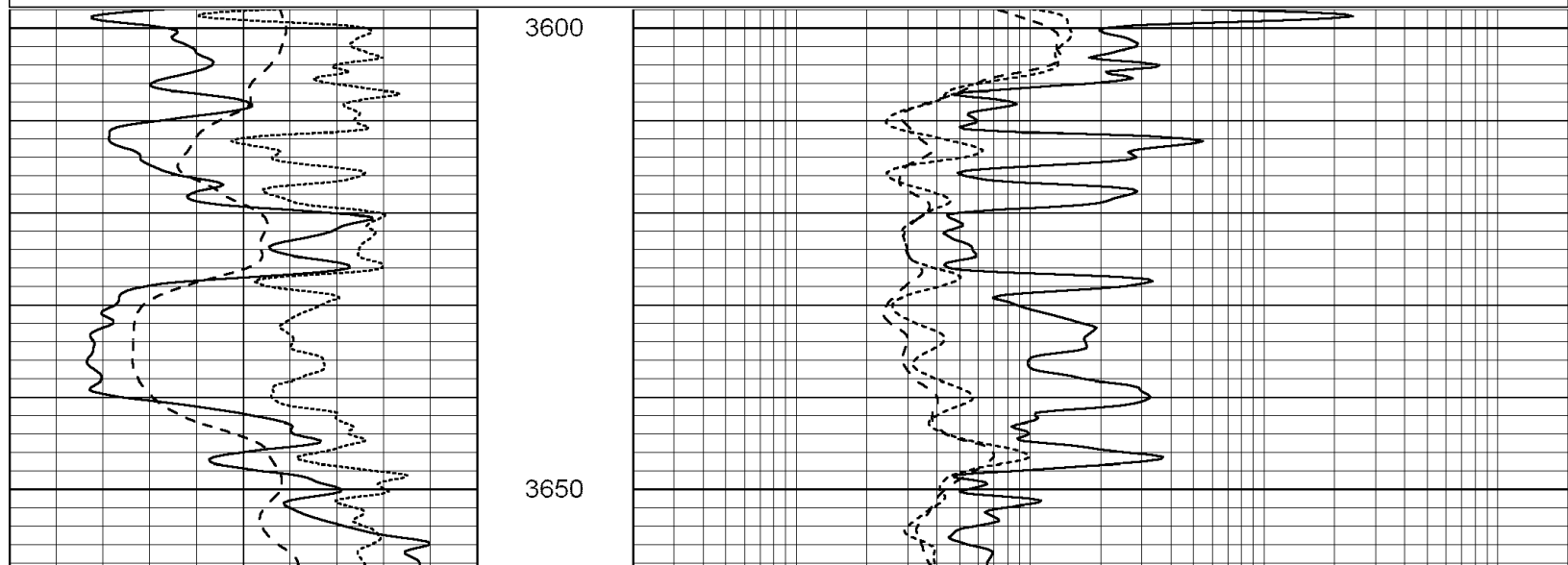
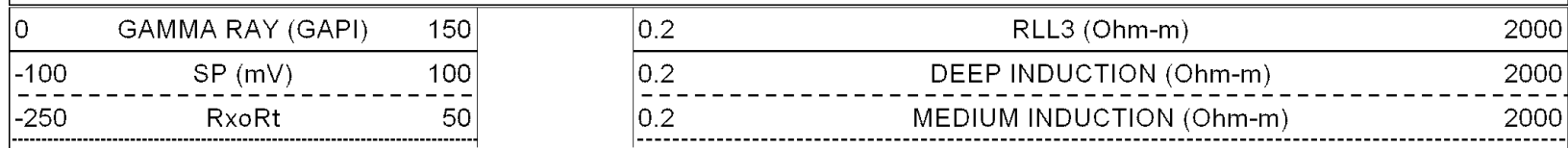
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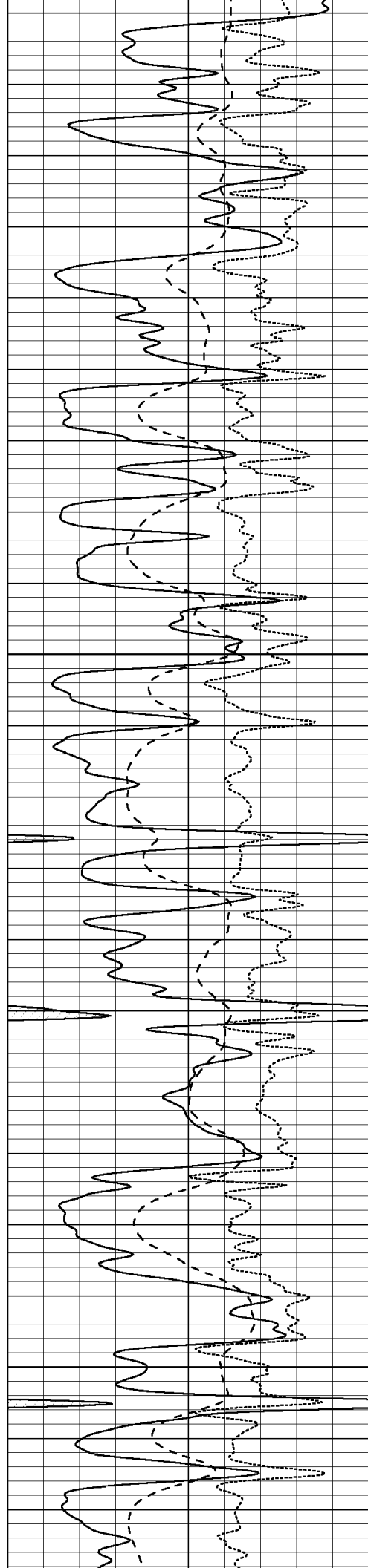






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Presentation Format: dil
Dataset Creation: Fri Mar 05 18:49:53 2010 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240



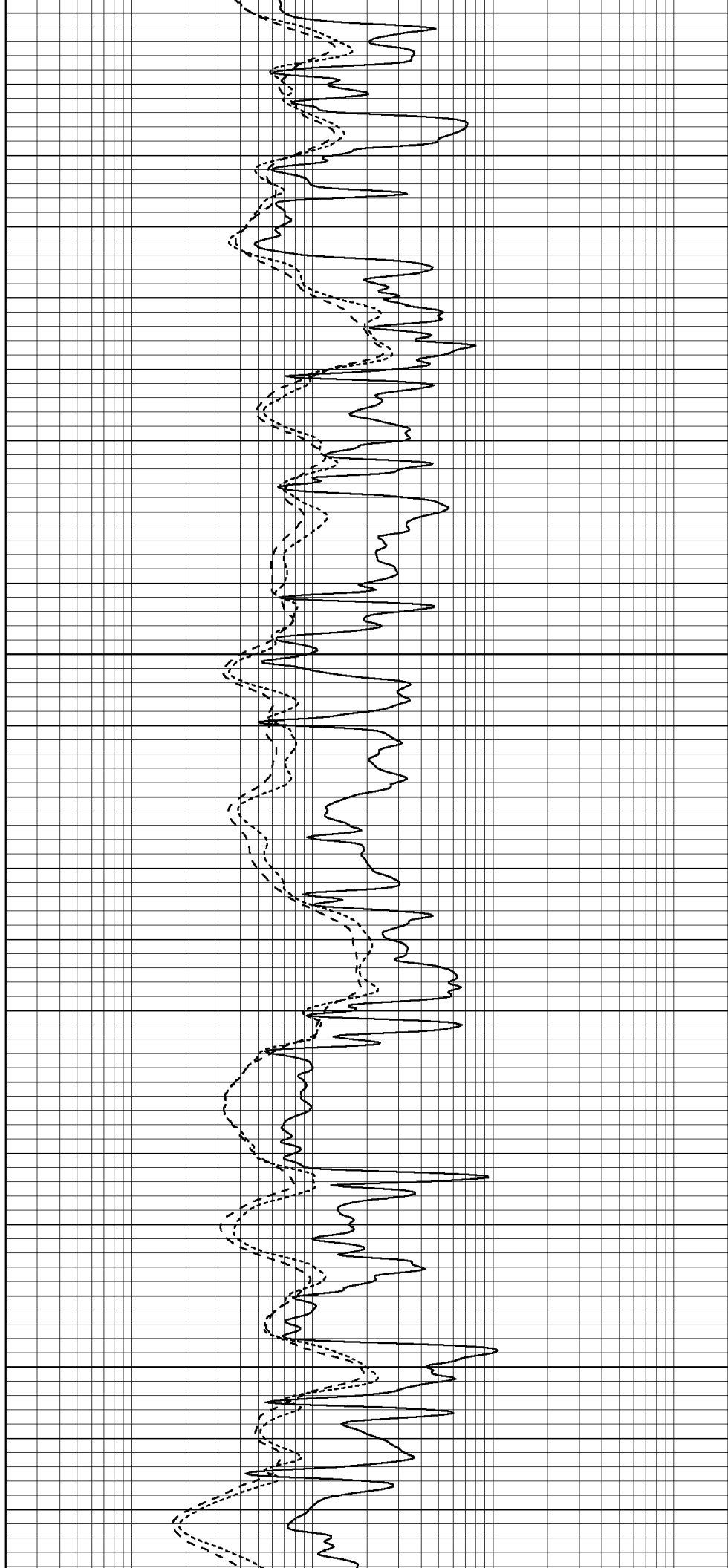


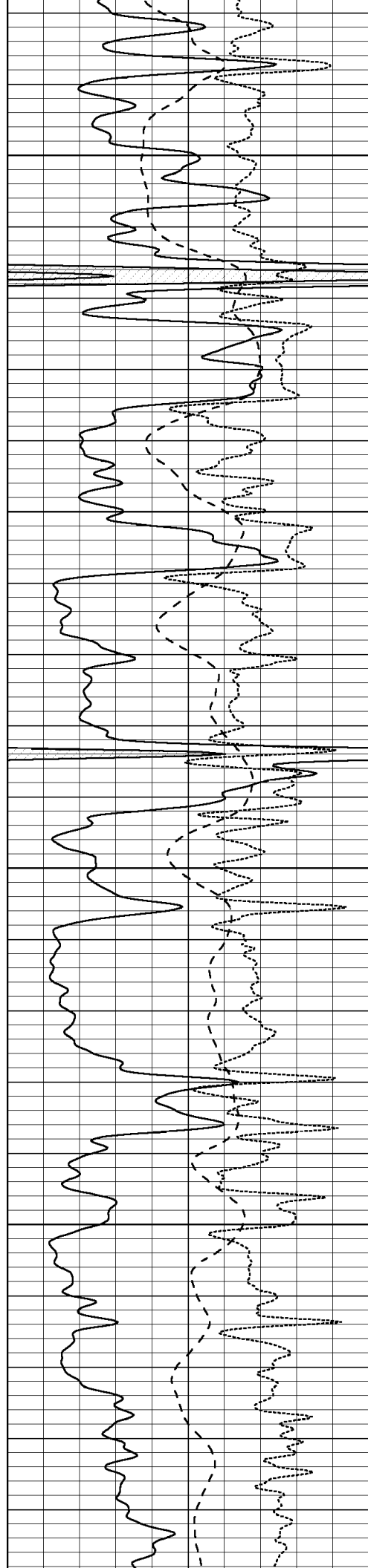
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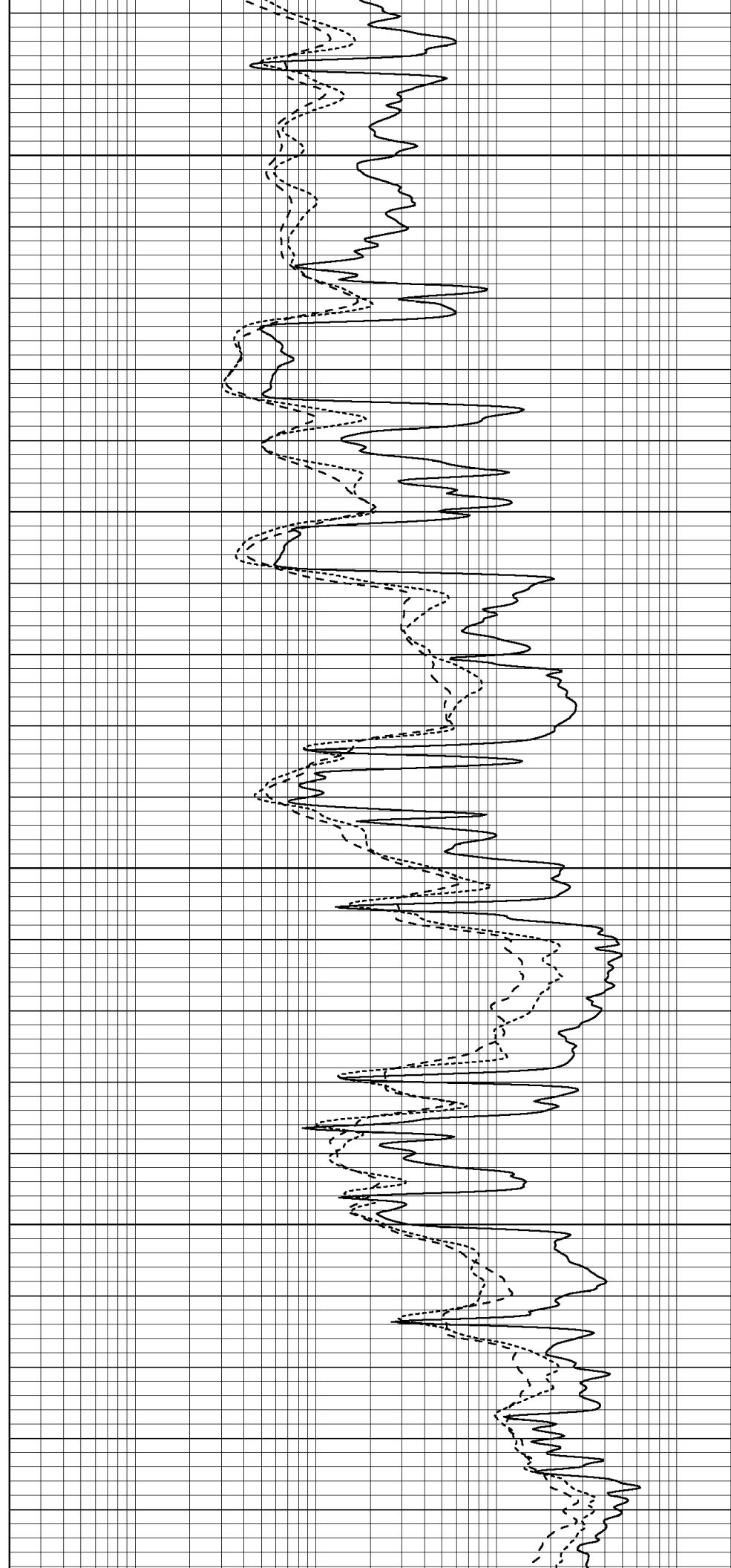


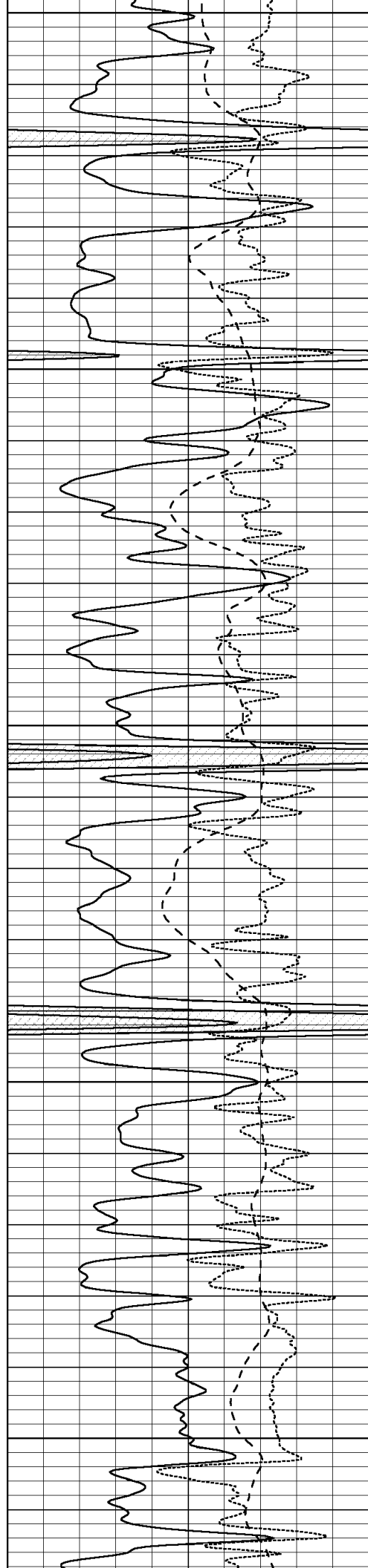
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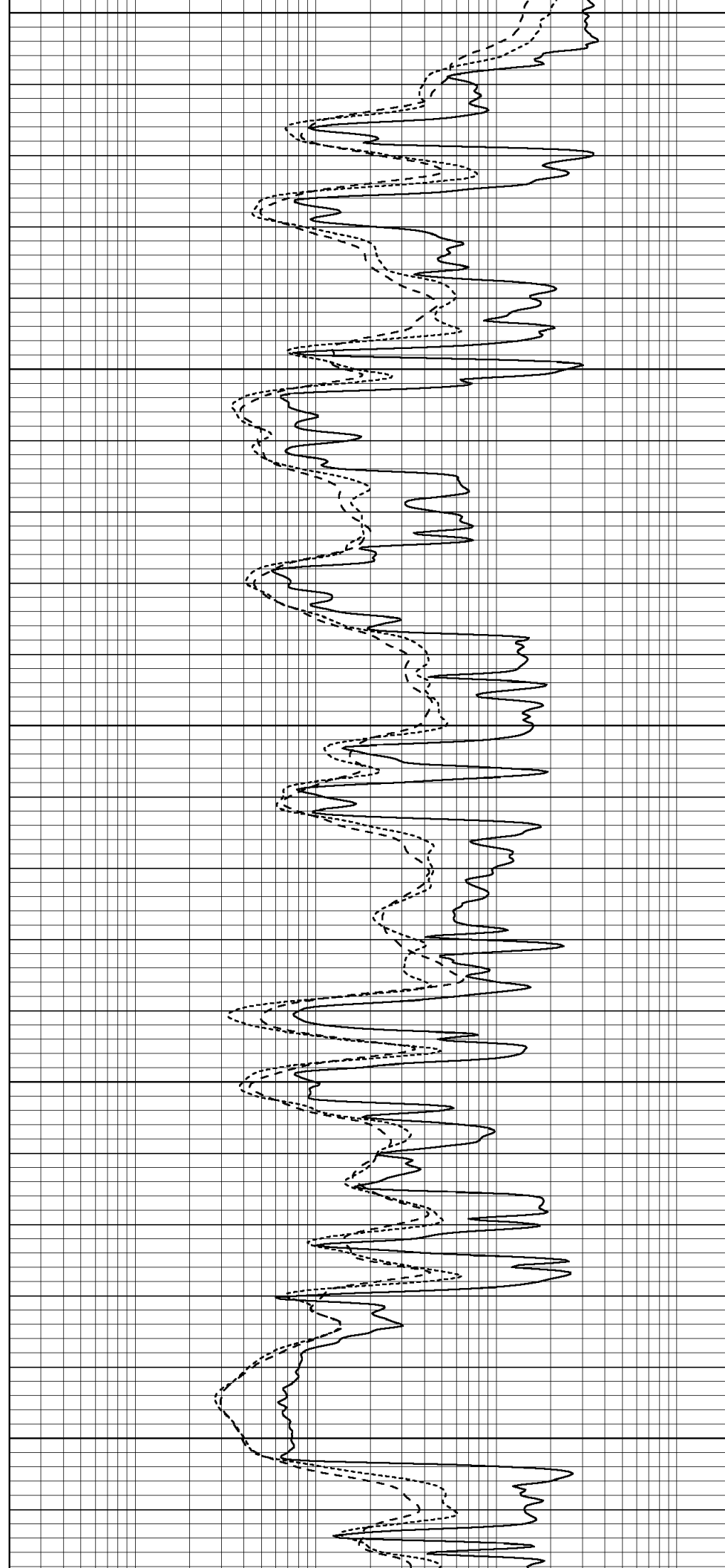
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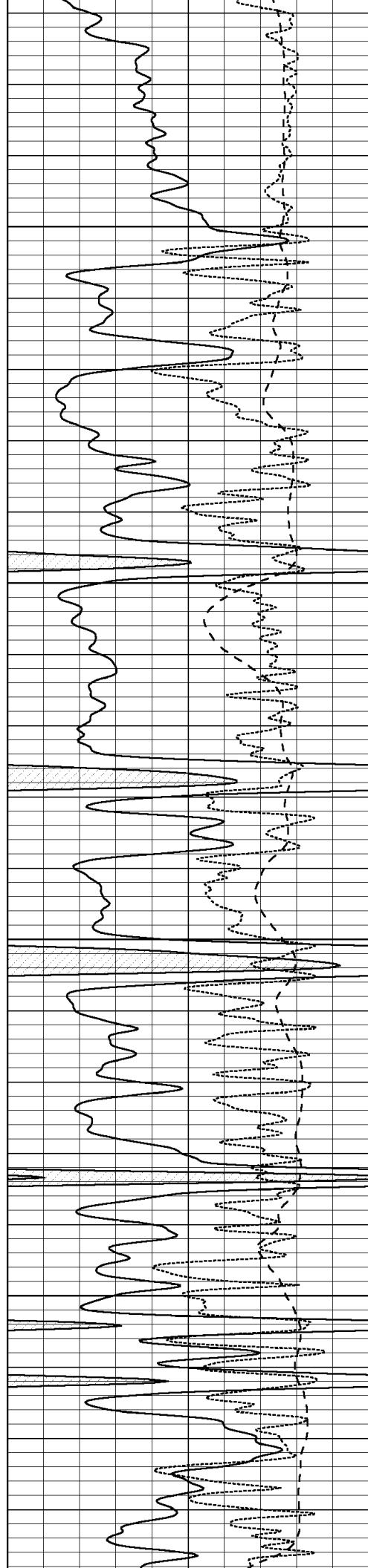
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4250

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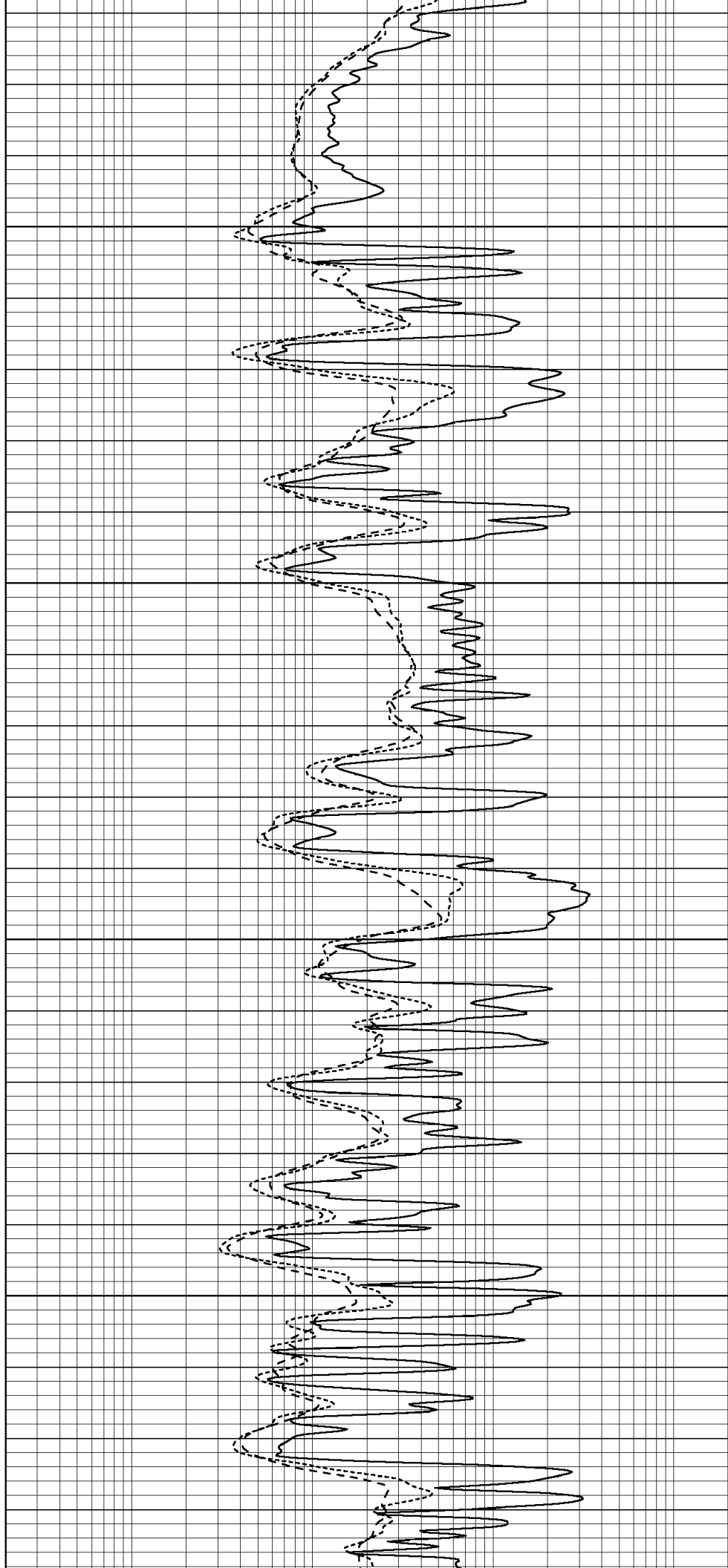


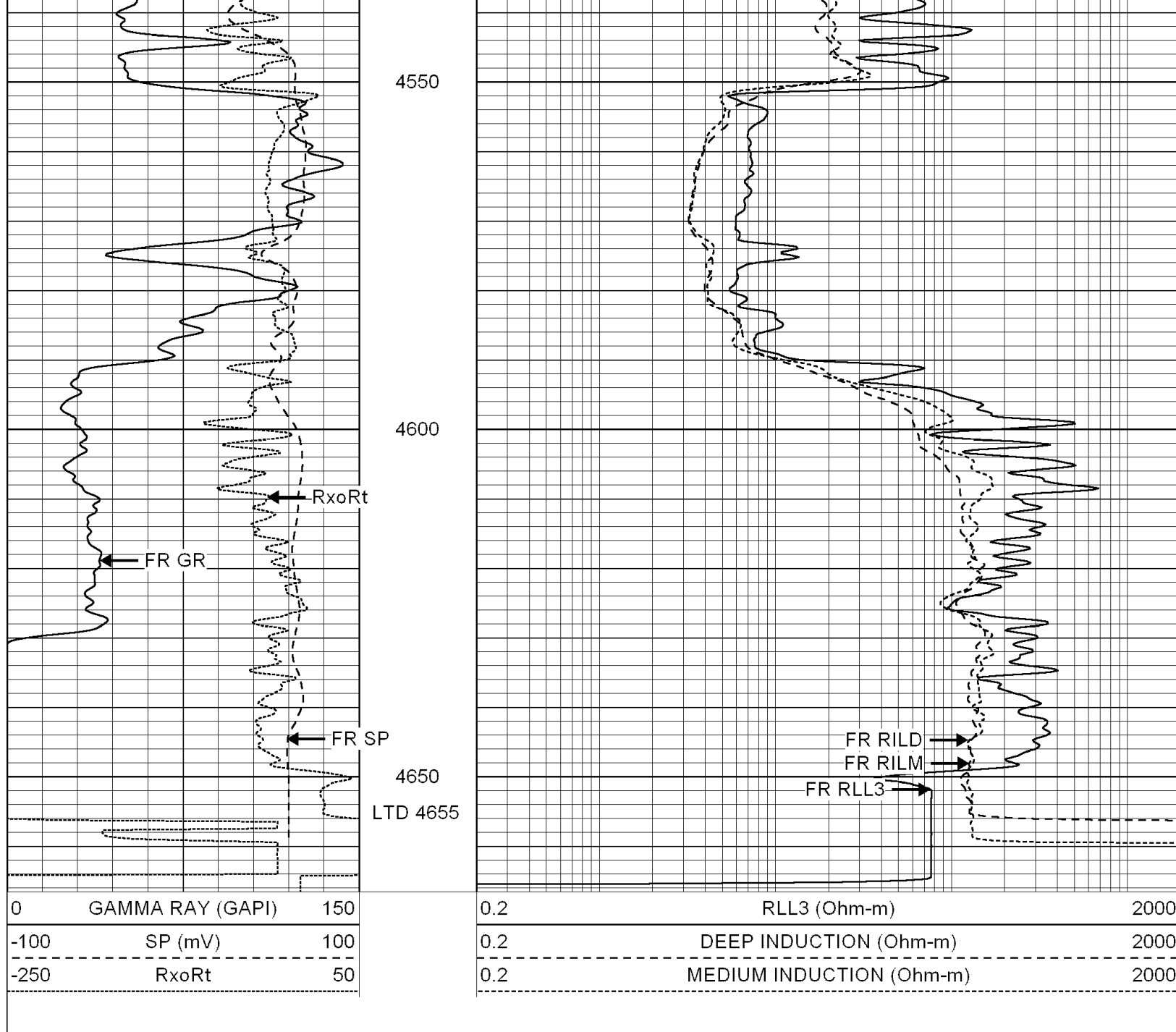
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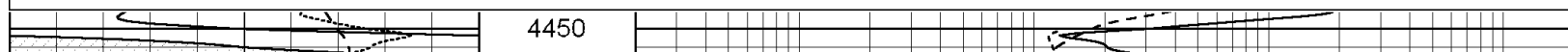


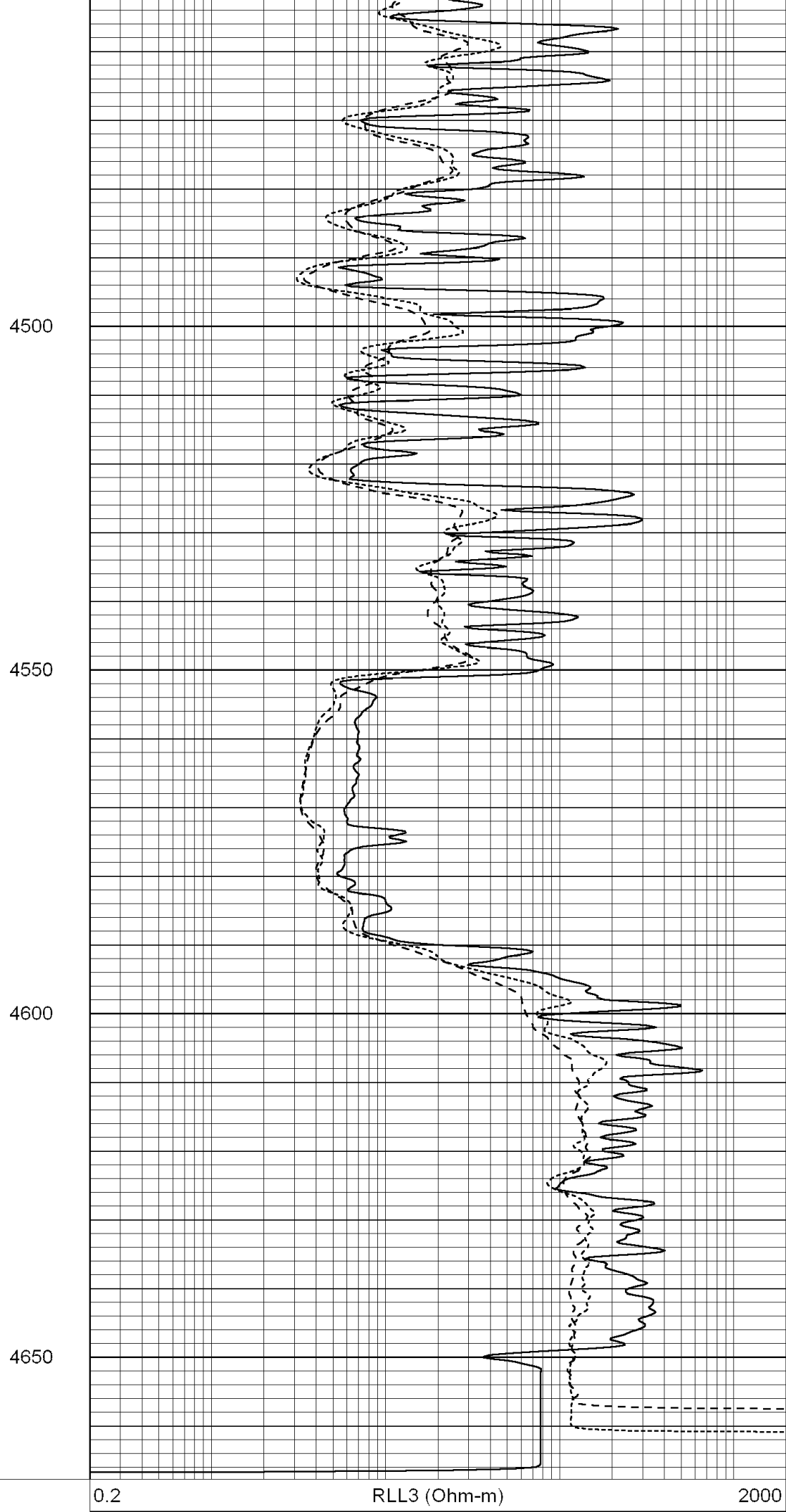
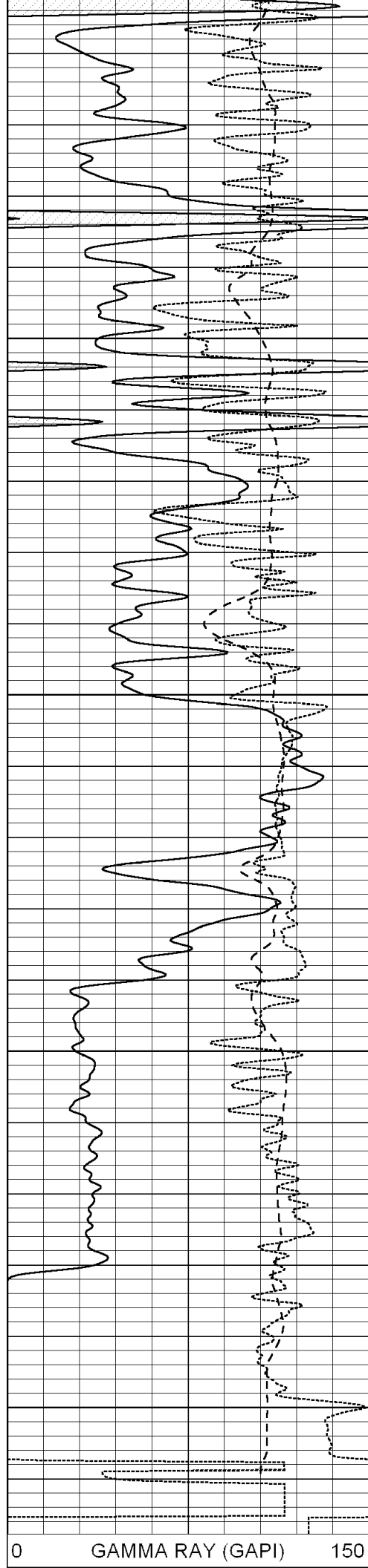
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 004607ddn.db
 Dataset Pathname: pass2.1
 Presentation Format: dil
 Dataset Creation: Fri Mar 05 18:05:26 2010 by Calc Open-Cased 090629
 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





-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000

Calibration Report					
Database File:	004607ddn.db				
Dataset Pathname:	pass4.2				
Dataset Creation:	Fri Mar 05 19:47:01 2010 by Calc Open-Cased 090629				

Dual Induction Calibration Report								
Serial-Model: Performed:			DIL5-GEAR Tue Mar 02 14:36:53 2010					
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	550.000	-8.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	540.000	-15.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report						
Serial-Model:			GEAR1-GEARHART			
Source / Verifier:			147 / 147			
Master Calibration Performed:			Tue Mar 02 15:17:32 2010			
Master Calibration						
	Density			Far Detector	Near Detector	
Magnesium	1.710	g/cc		1006.91	528.07	cps
Aluminum	2.600	g/cc		233.49	355.80	cps
	Spine Angle = 74.88			Density/Spine Ratio = 0.588		
	Size			Reading		
Small Ring	8.10	in		3.68	V	
Large Ring	14.00	in		6.06	V	

Compensated Neutron Calibration Report						
Serial Number:			NEU_1I			
Tool Model:			G			
CALIBRATION						
Detector		Readings		Target		Normalization
Short Space		1.00	cps	1.00	cps	1.0000
Long Space		1.00	cps	1.00	cps	1.0000

Gamma Ray Calibration Report						
Serial Number: Tool Model: Performed:			GR5 OPEN Thu Mar 04 09:56:14 2010			
Calibrator Value:			1.0 GAPI			

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps