



**SUPERIOR
Hays,
Kansas**

**DUAL
INDUCTION
LOG**

Company	TRANS PACIFIC OIL CORP.		
Well	DUMLER UNIT A #1-14		
Field			
County	NESS		
State	KANSAS		
Company		TRANS PACIFIC OIL CORPORATION	
Well		DUMLER UNIT A #1-14	
Field			
County	NESS	State	KANSAS
Location:		API # : 15-135-25308-0000	Other Services CDL/CNL BOTTOM GR
SEC 14 TWP 17S RGE 26W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2575
Log Measured From	KELLY BUSHING 9' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	11/3/11		
Run Number	ONE		
Depth Driller	4521		
Depth Logger	4521		
Bottom Logged Interval	4520		
Top Log Interval	00		
Casing Driller	222		
Casing Logger	222		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5.800	
Density / Viscosity	9.1 / 59		
pH / Fluid Loss	9.0 / 6.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.40 @ 63F		
Rmf @ Meas. Temp	1.05 @ 63F		
Rmc @ Meas. Temp	1.68 @ 63F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.74 @ 120F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	1:30 A.M.		
Maximum Recorded Temperature	124F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	GOTTSCALK		
Witnessed By	BRYCE BIDLEMAN	CRISTINA GOODRICH	

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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

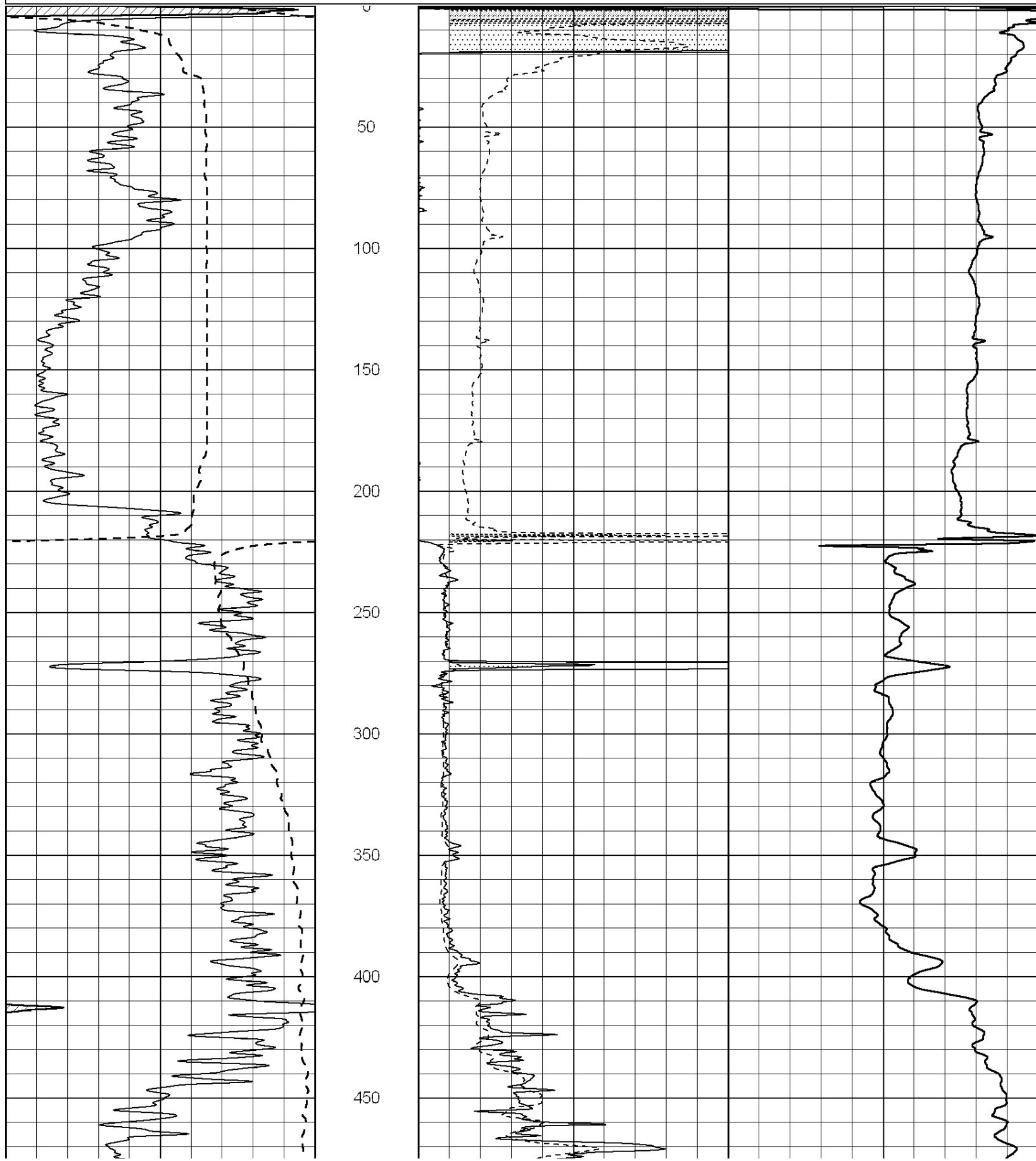
THANK YOU FOR USING SUPERIOR WELL SERVICES
HAYS, KS.
785-628-6395

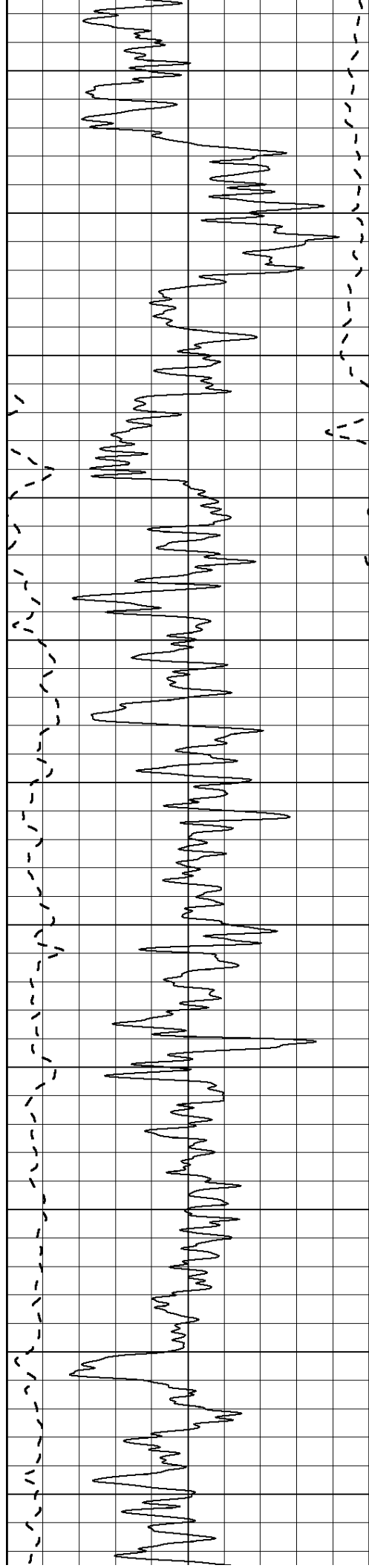
DIRECTIONS: UTICA - 1 EAST - 4 1/2 SOUTH - 1 NW INTO

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

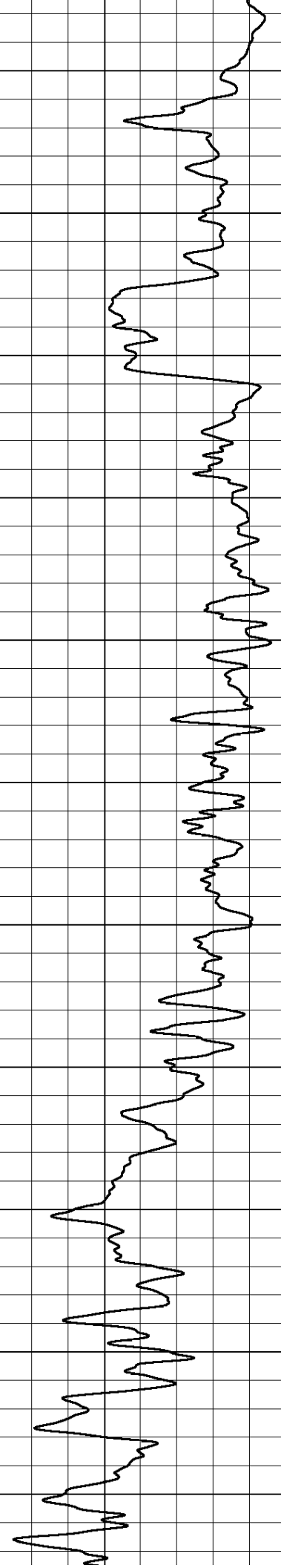
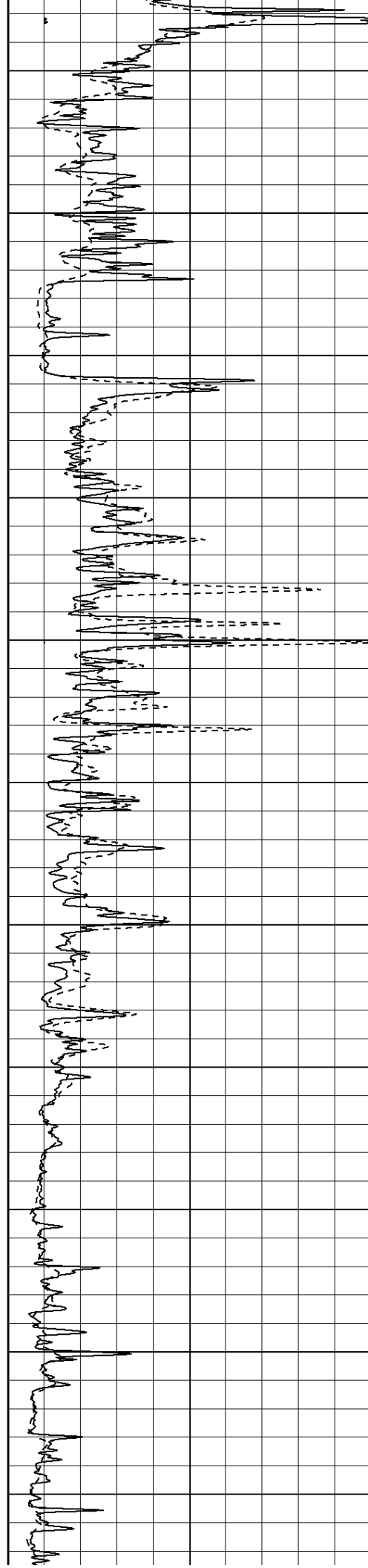
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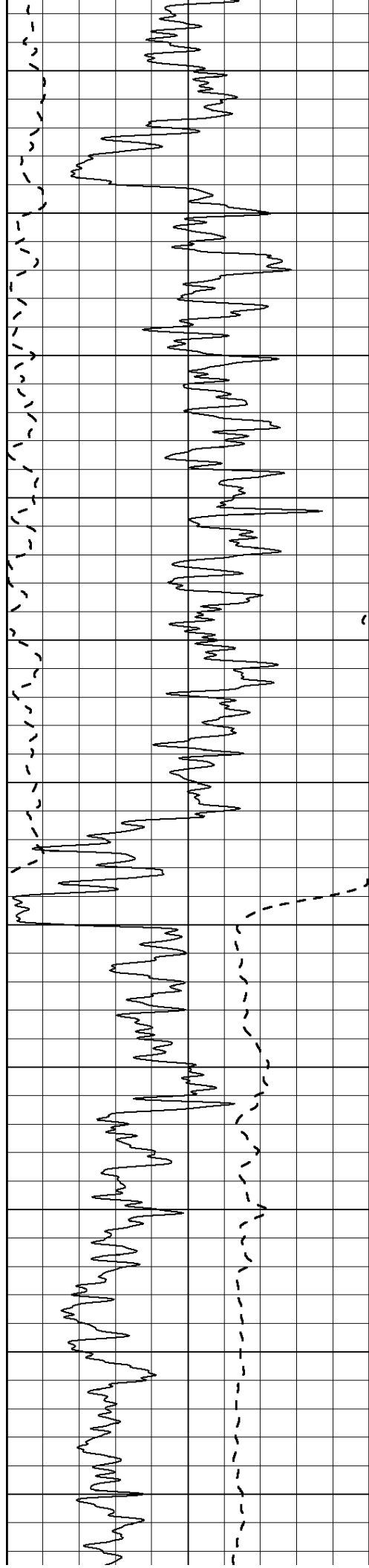
850

900

950

1000





1050

1100

1150

1200

1250

1300

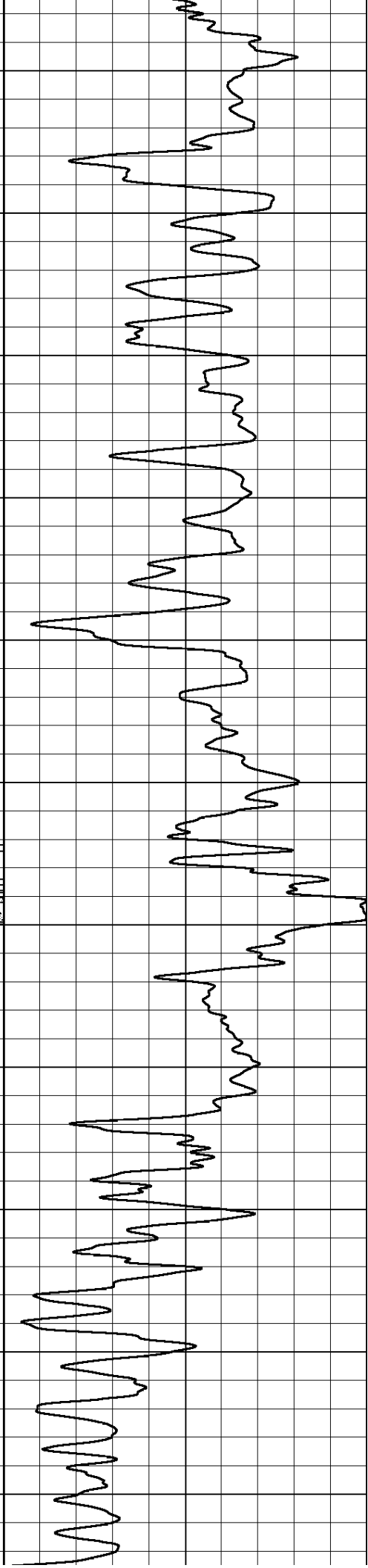
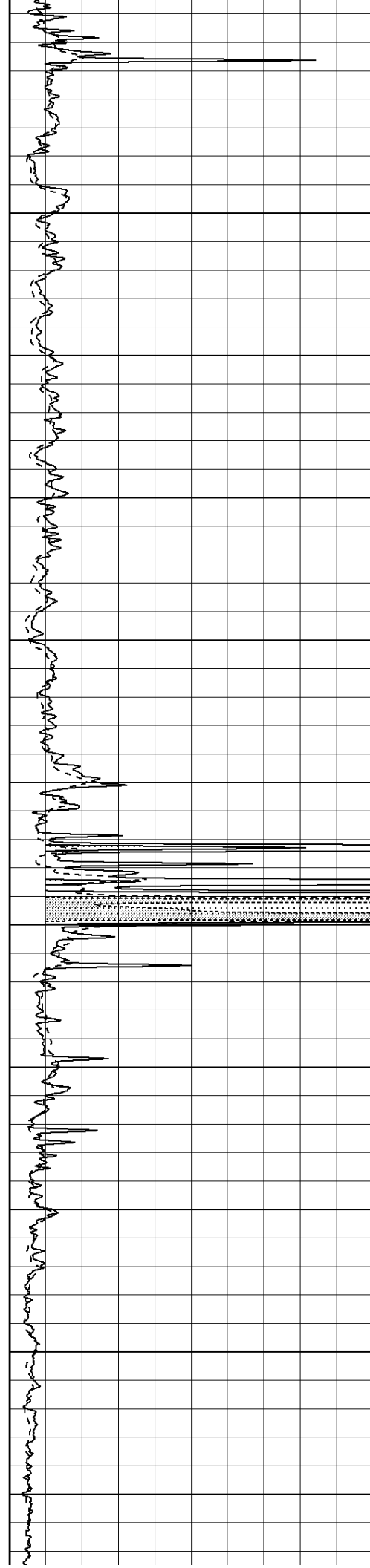
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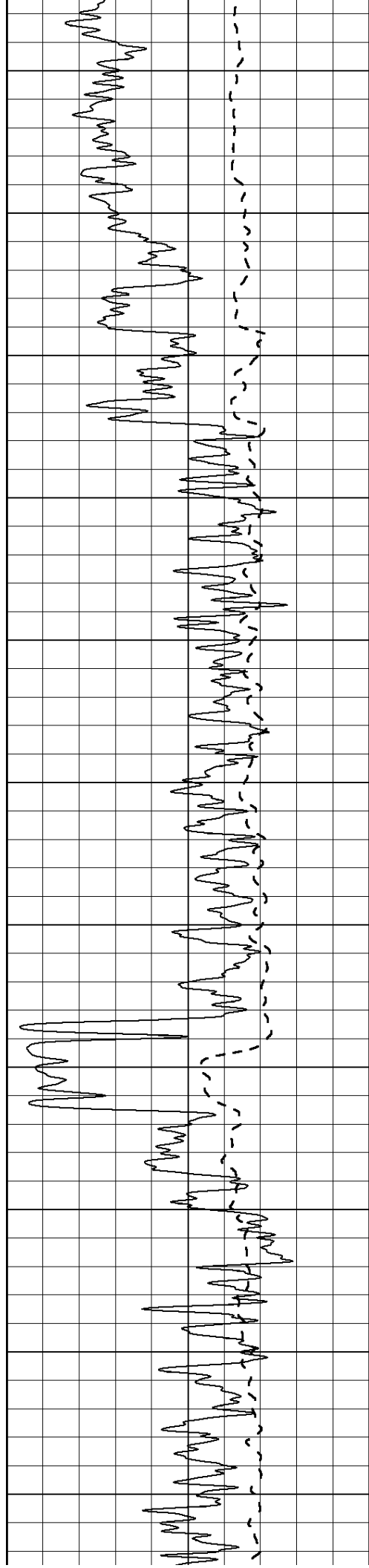
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1450

1500

1550





1600

1650

1700

1750

1800

1850

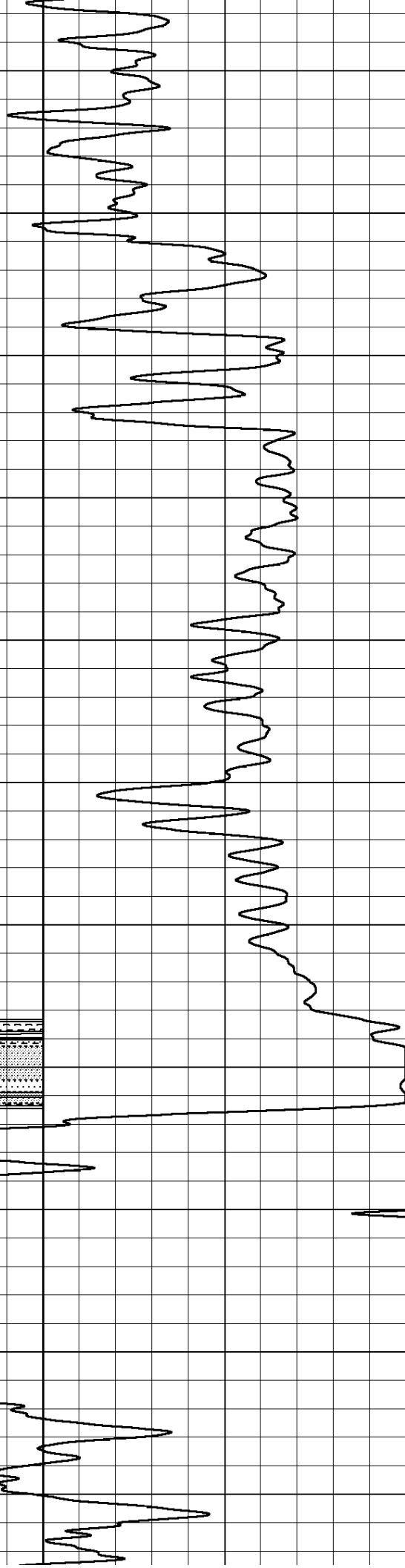
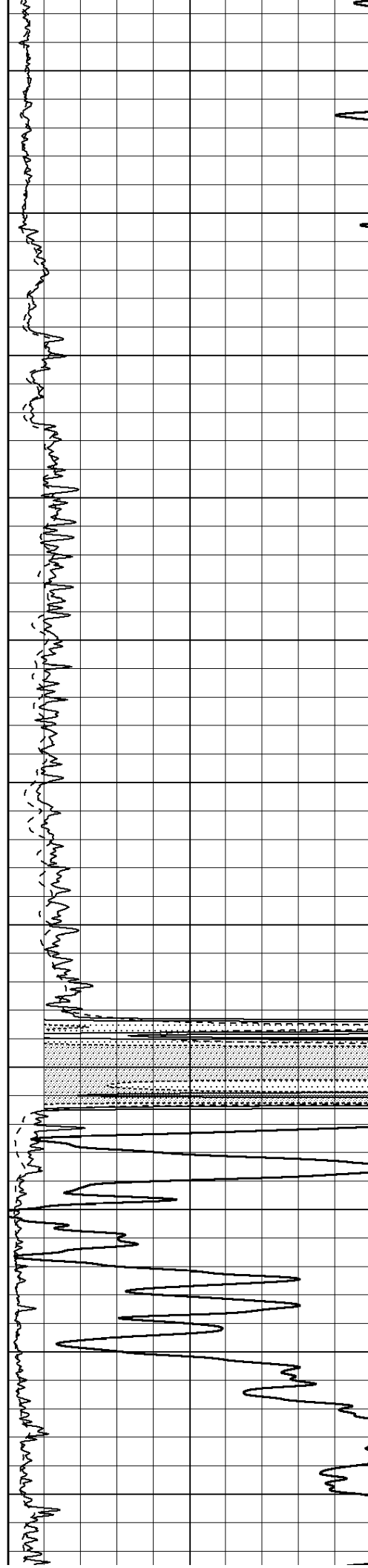
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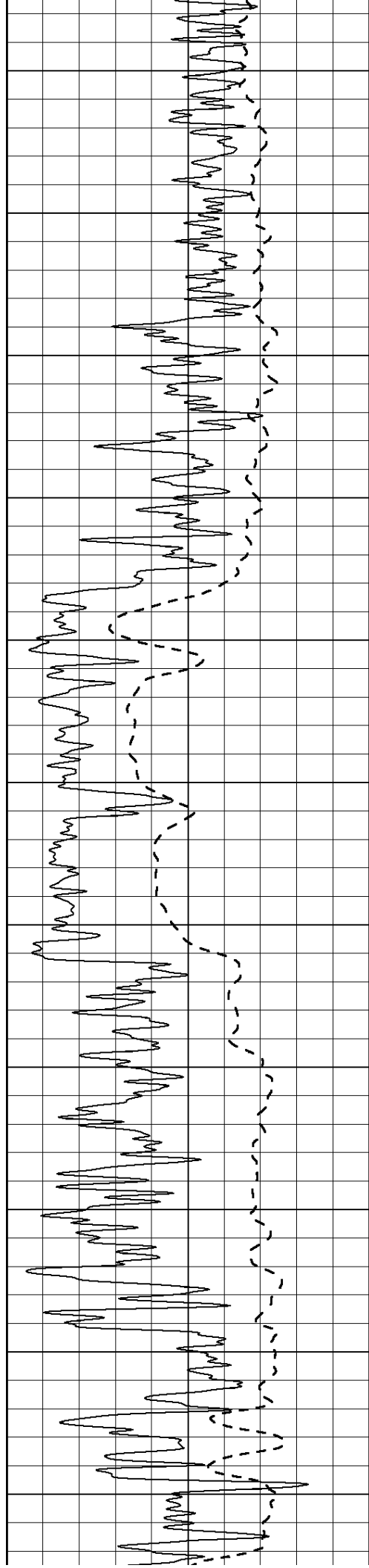
1950

2000

2050

2100





2150

2200

2250

2300

2350

2400

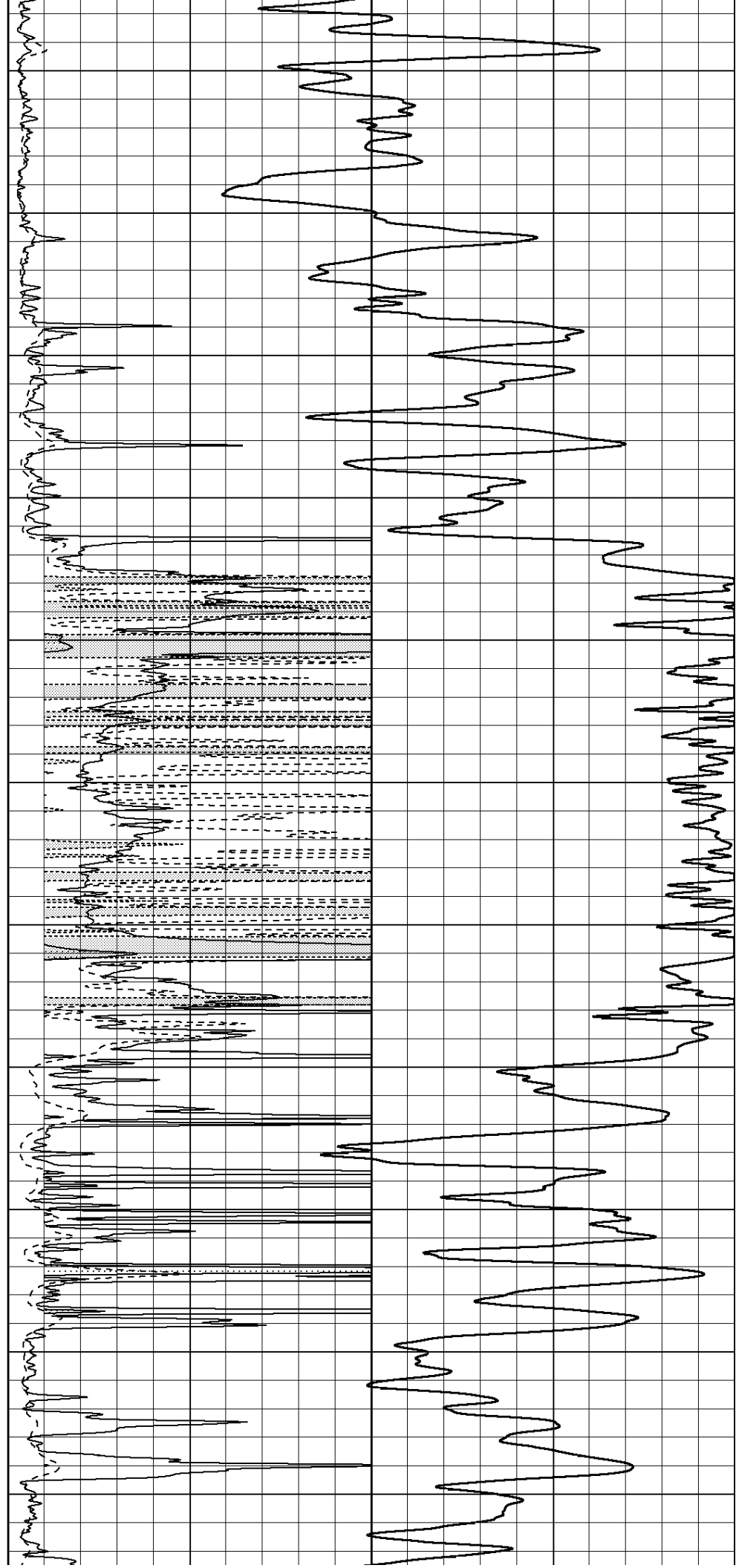
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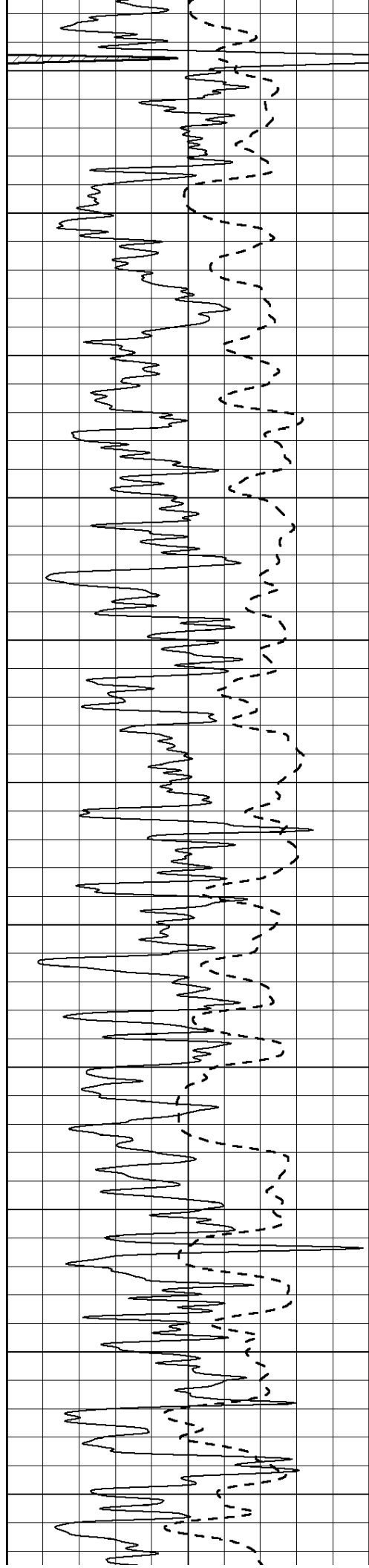
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2550

2600

2650





2700

2750

2800

2850

2900

2950

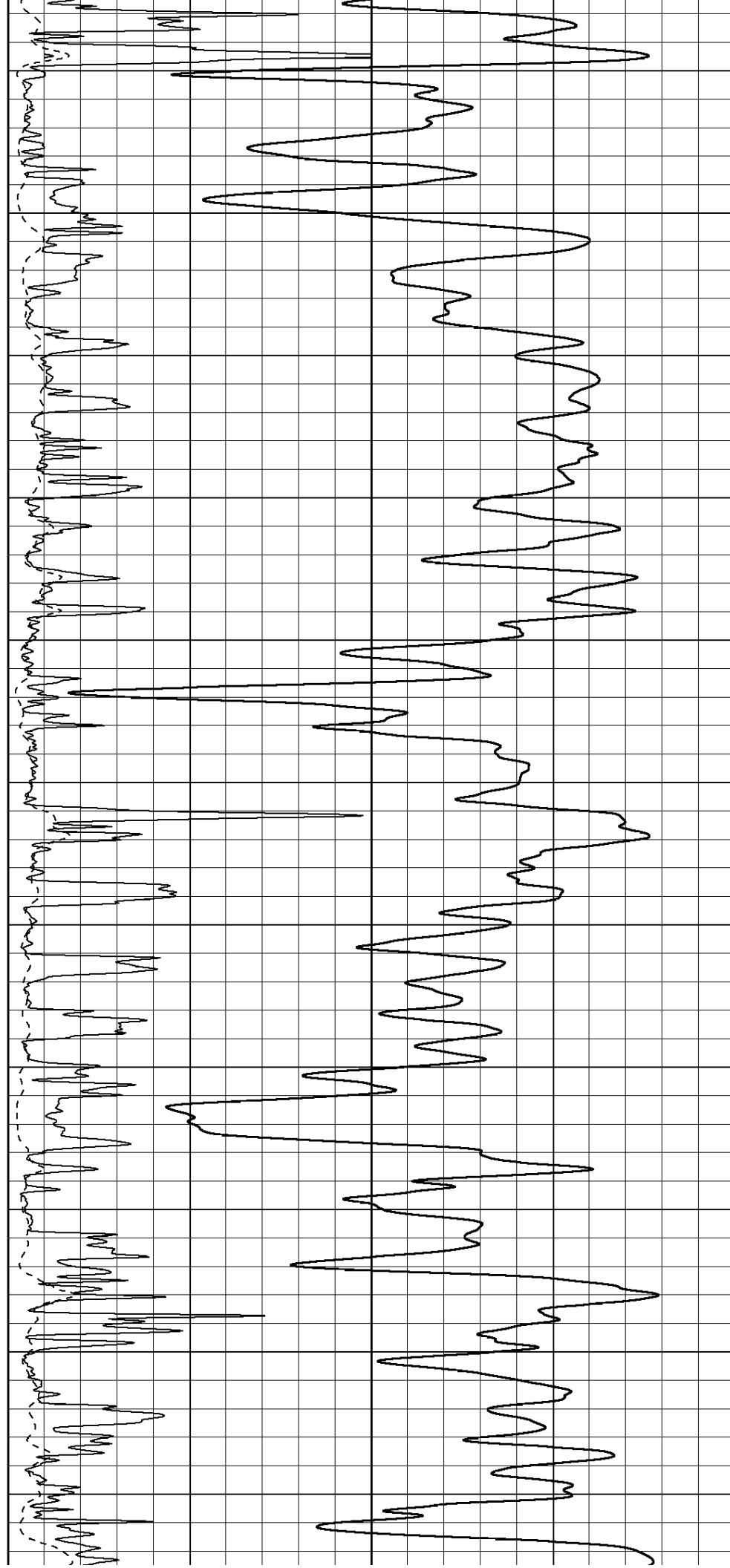
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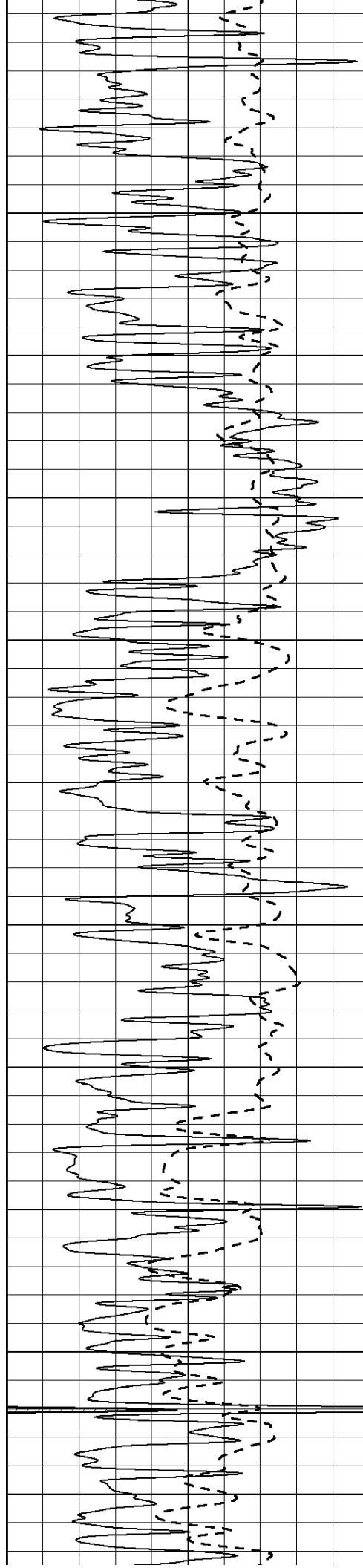
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3100

3150

3200





3250

3300

3350

3400

3450

3500

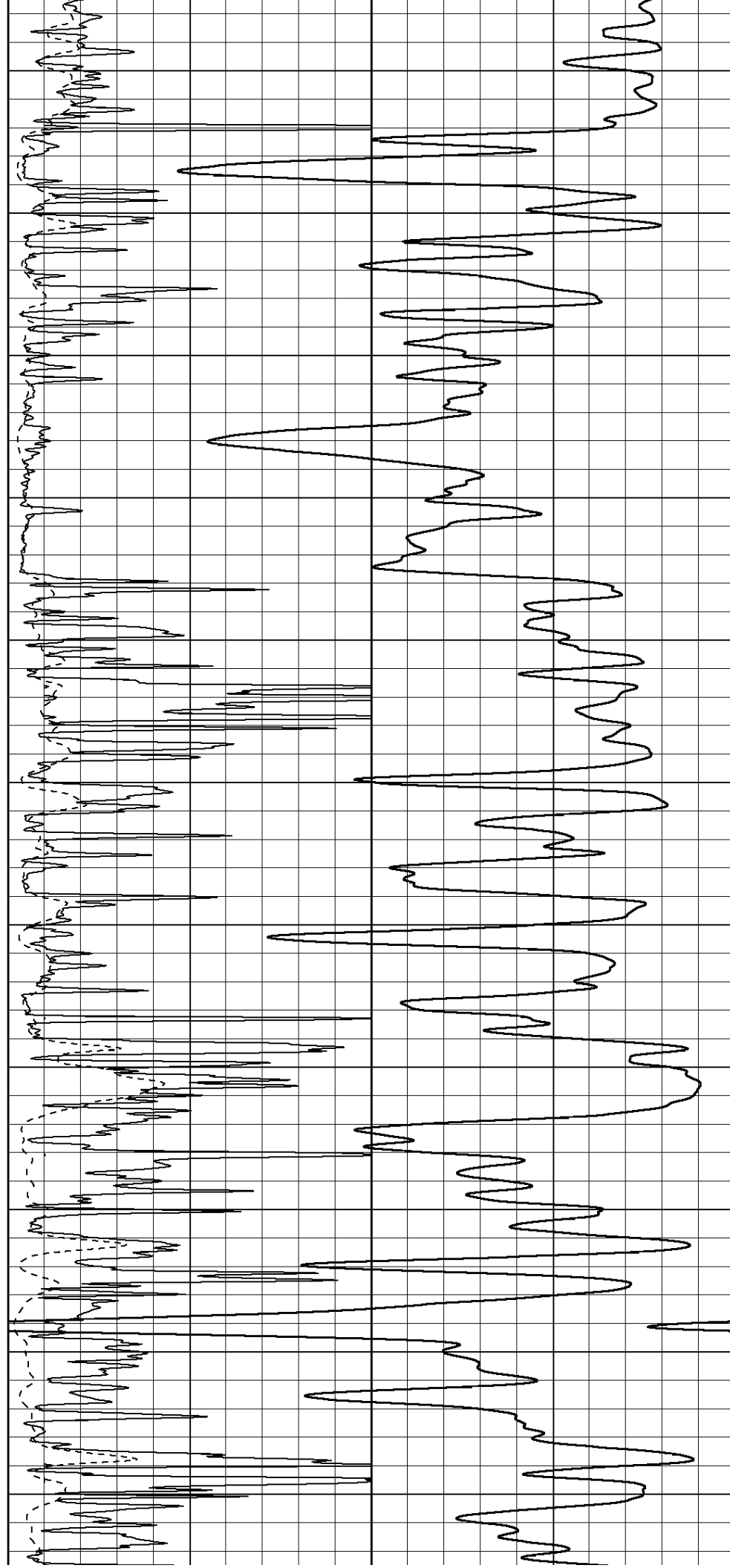
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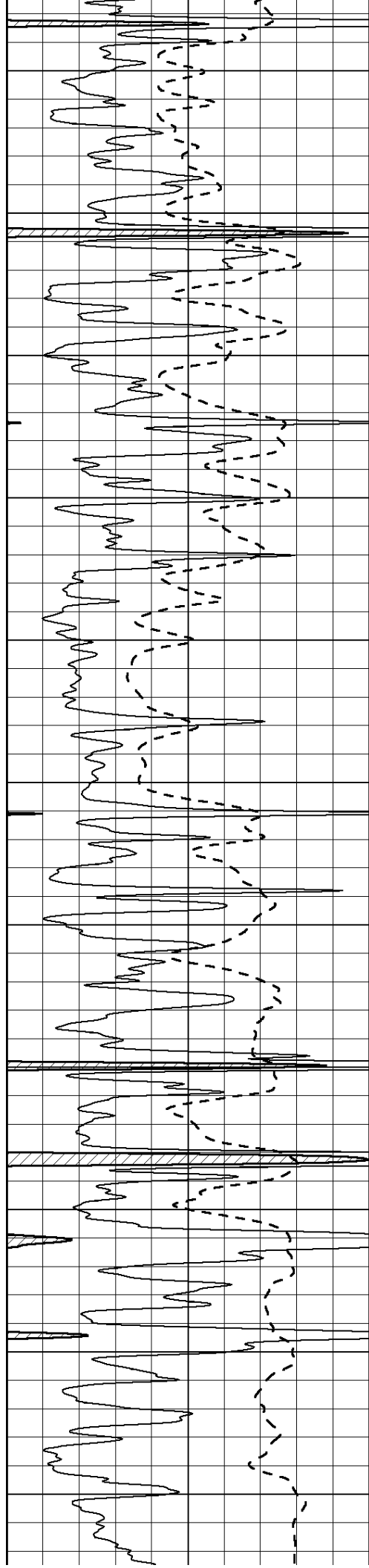
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3650

3700

3750





3800

3850

3900

3950

4000

4050

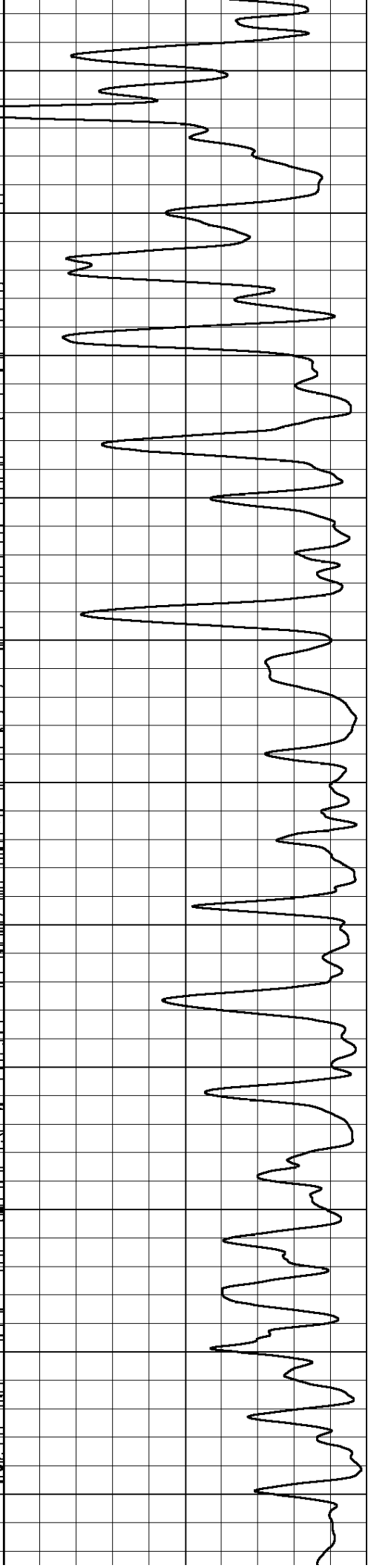
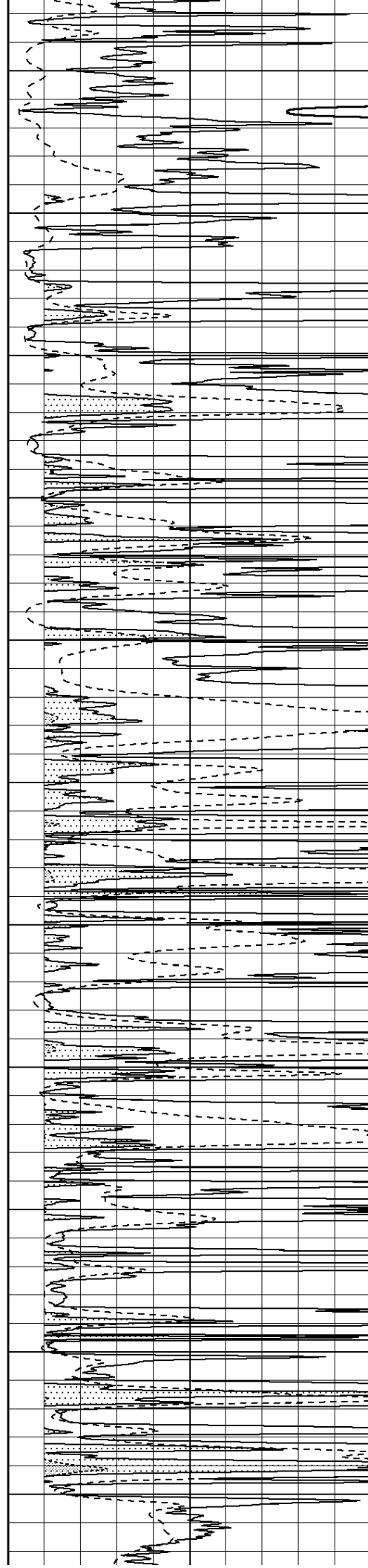
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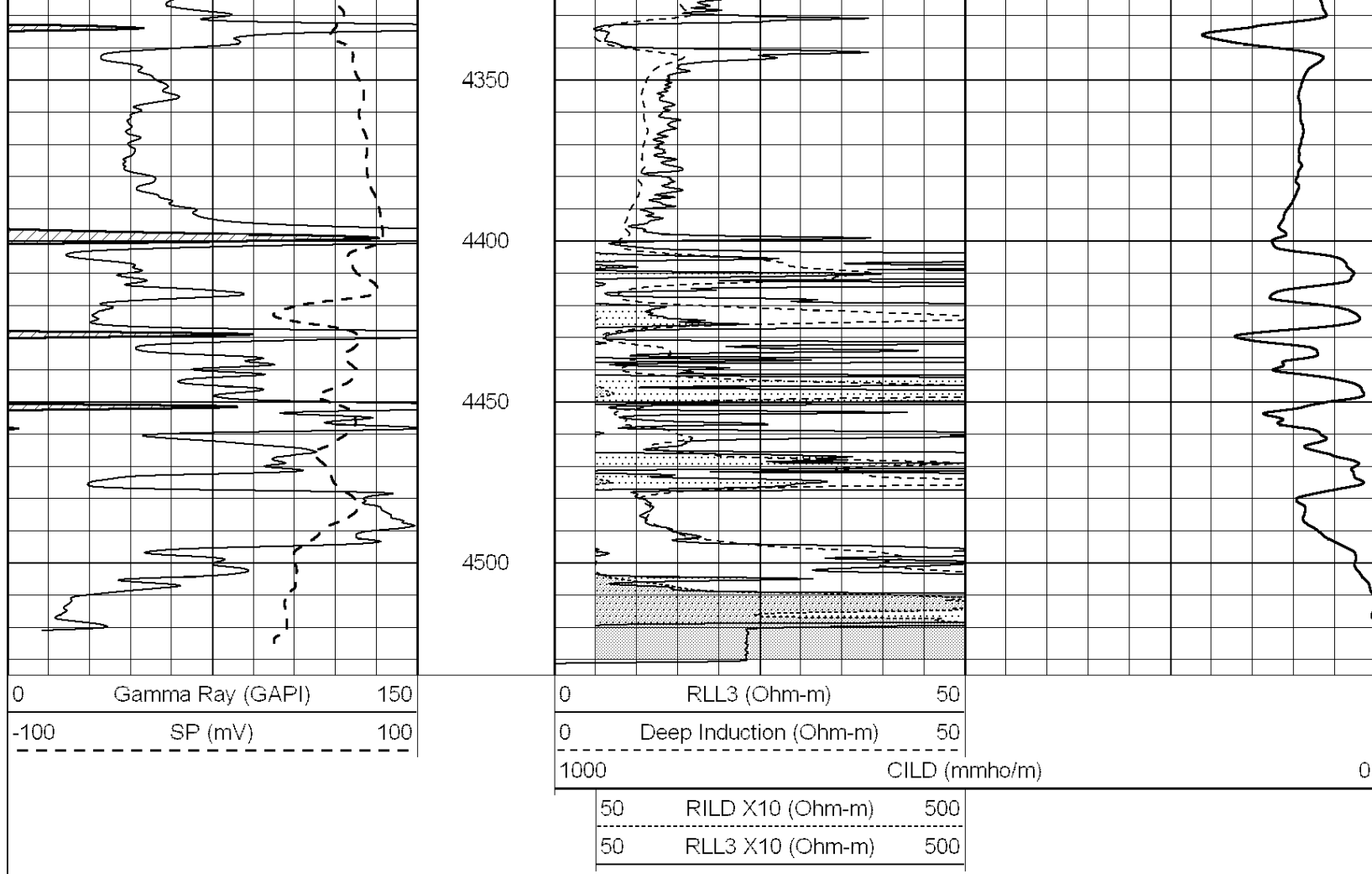
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4200

4250

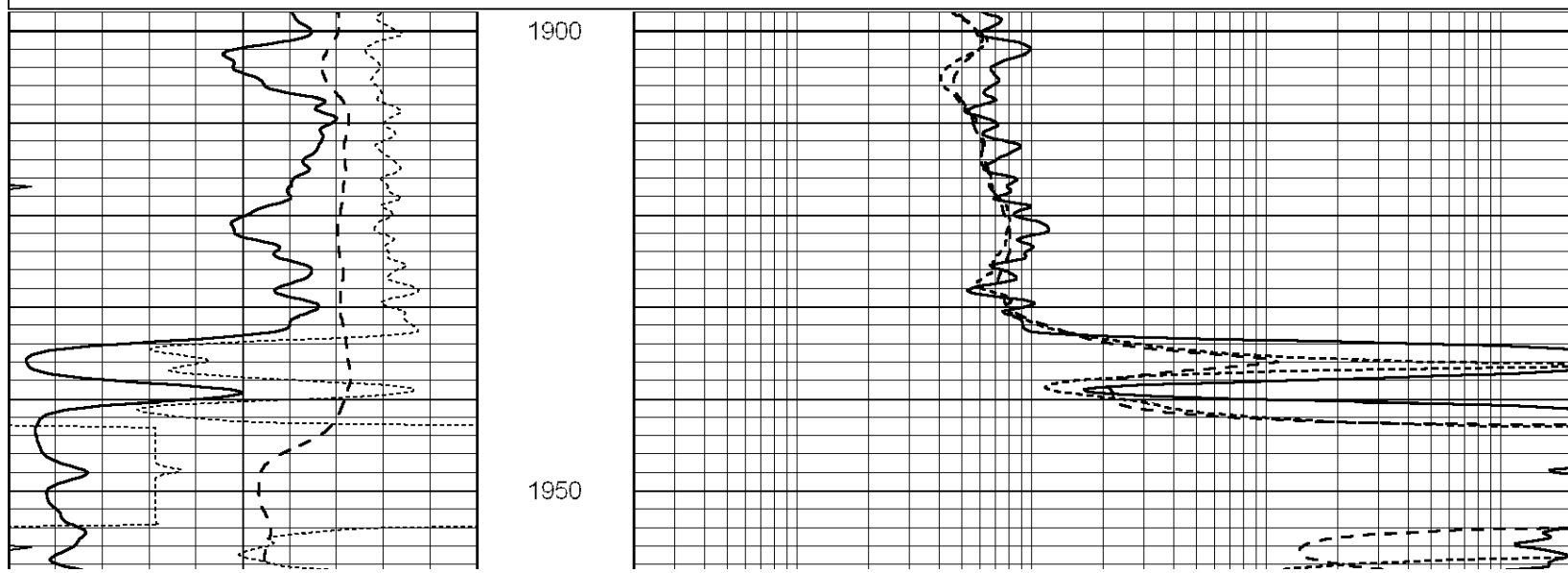
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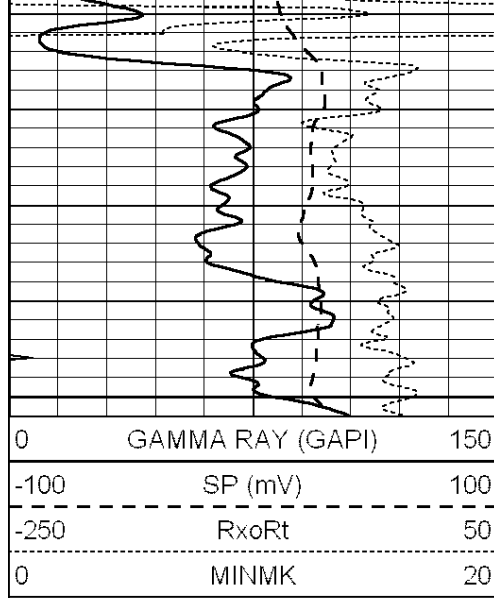




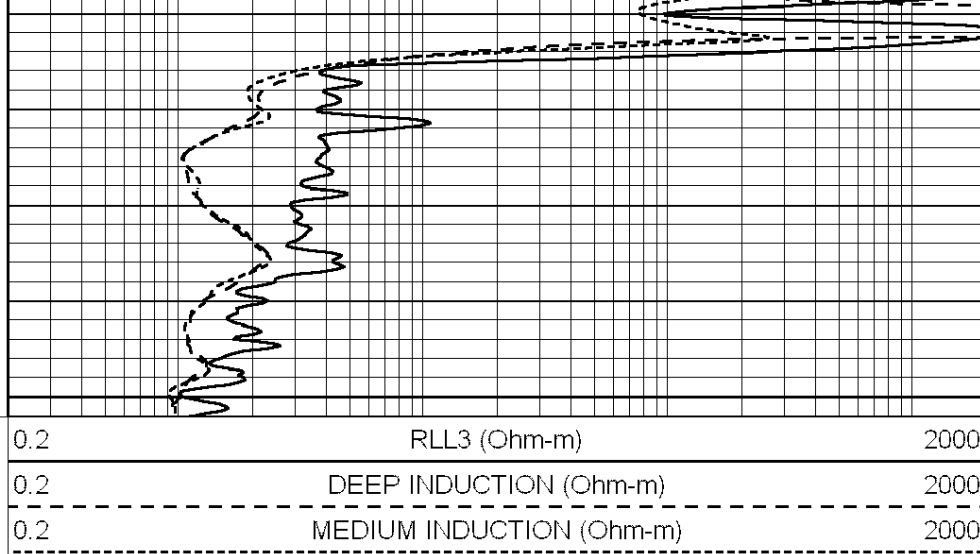
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Dataset Pathname: pass4.1M
Presentation Format: dil
Dataset Creation: Thu Nov 03 04:03:02 2011
Charted by: Depth in Feet scaled 1:240

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			

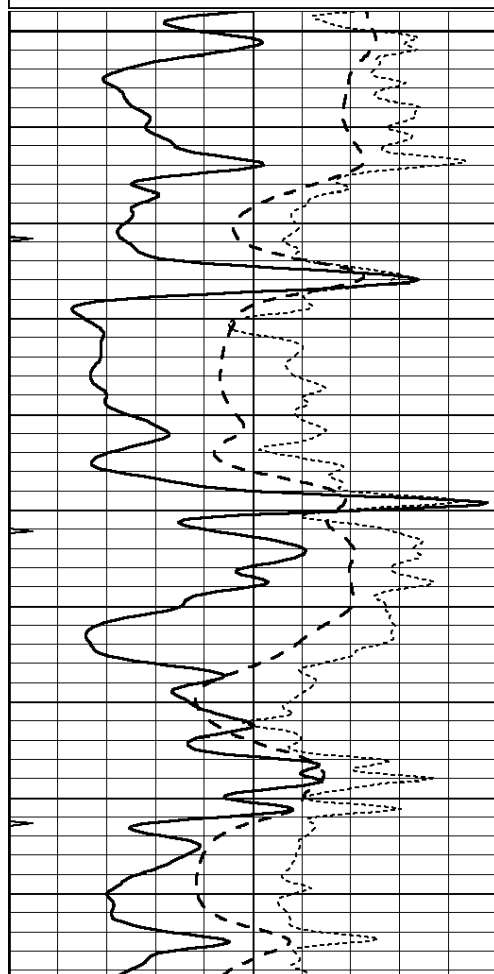
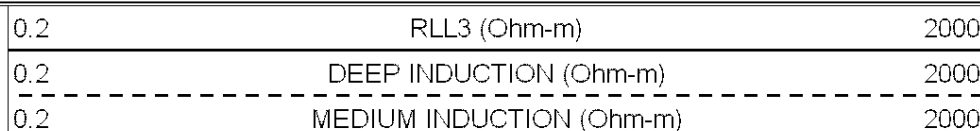
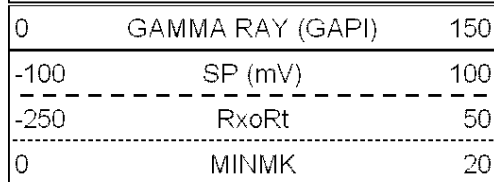




2000

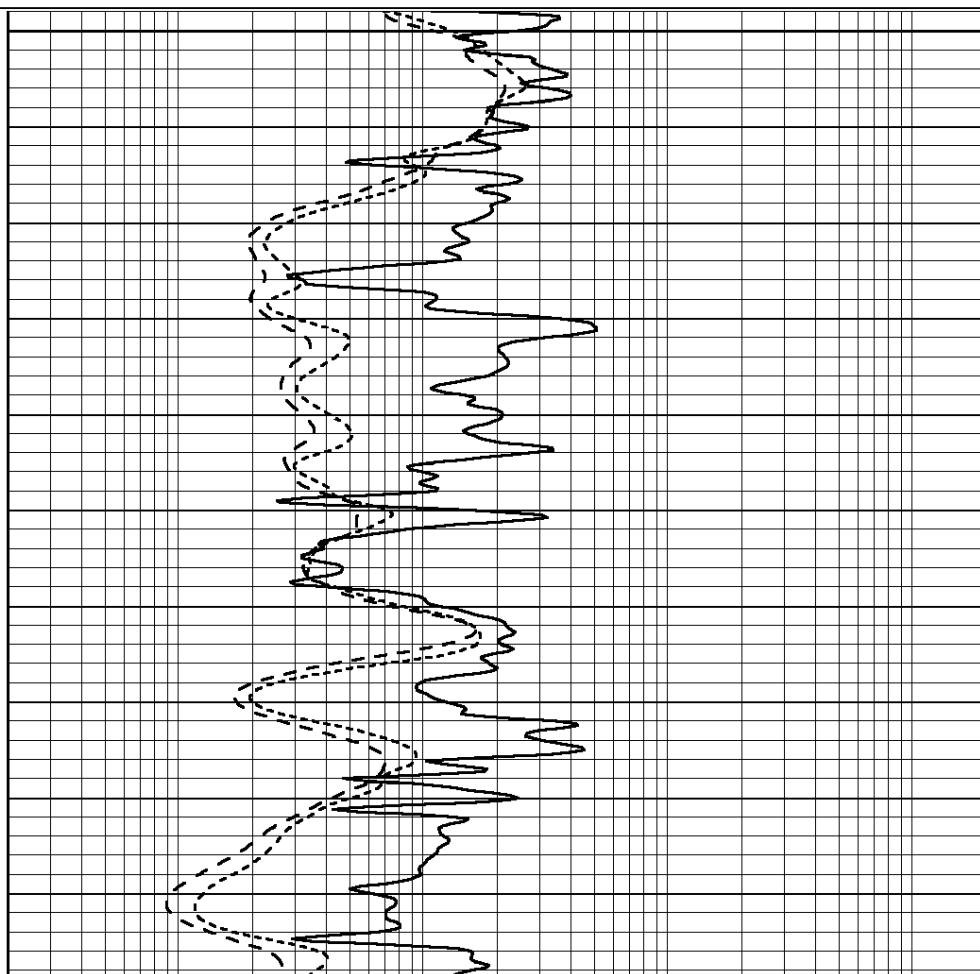


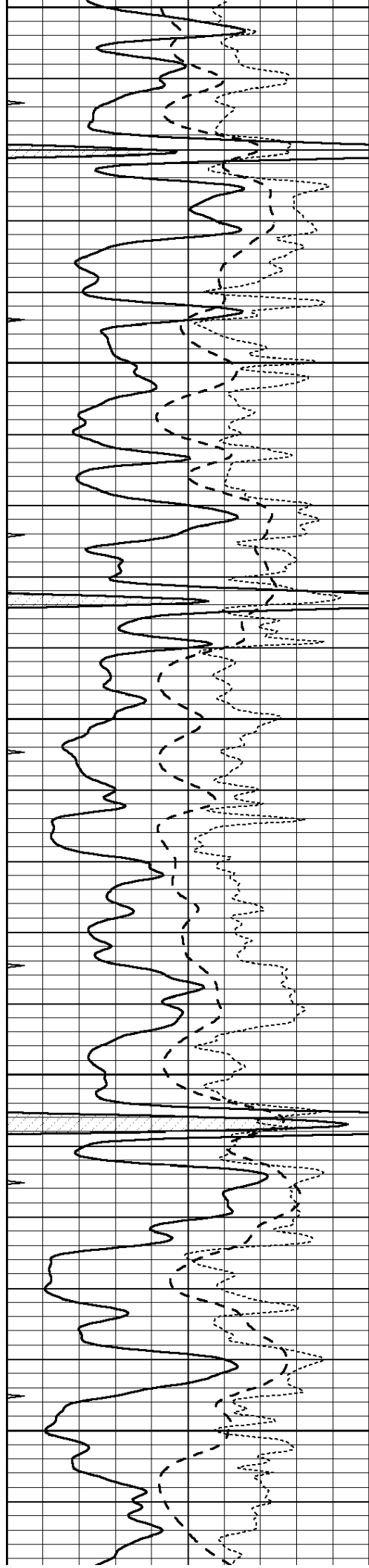
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Charted by: Depth in Feet scaled 1:240



3600

3650





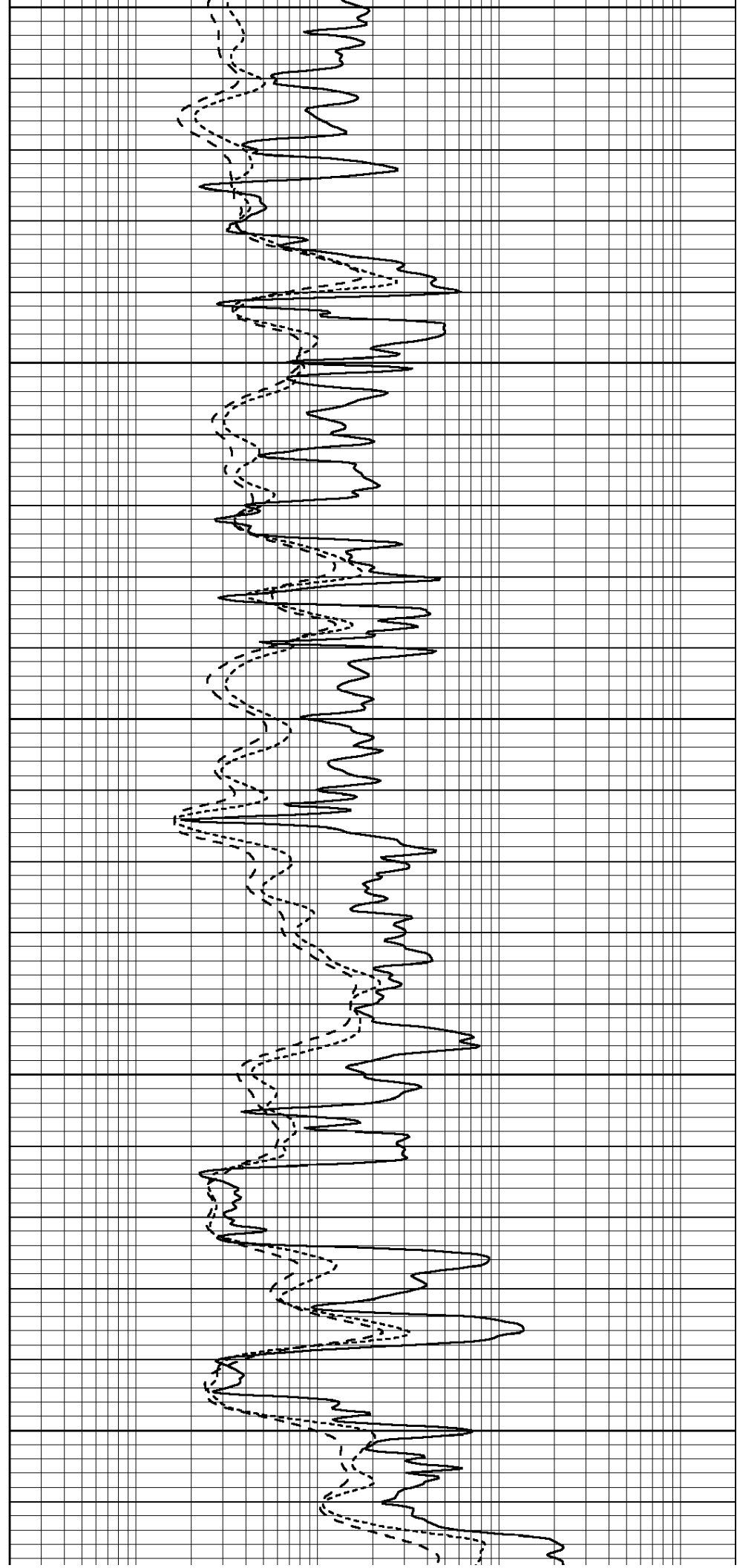
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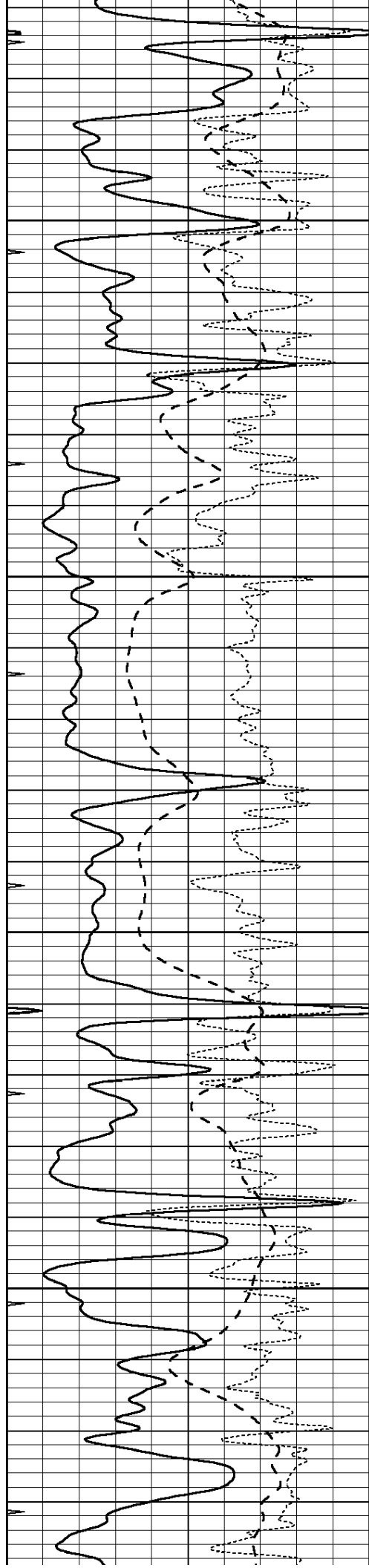
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3850

3900



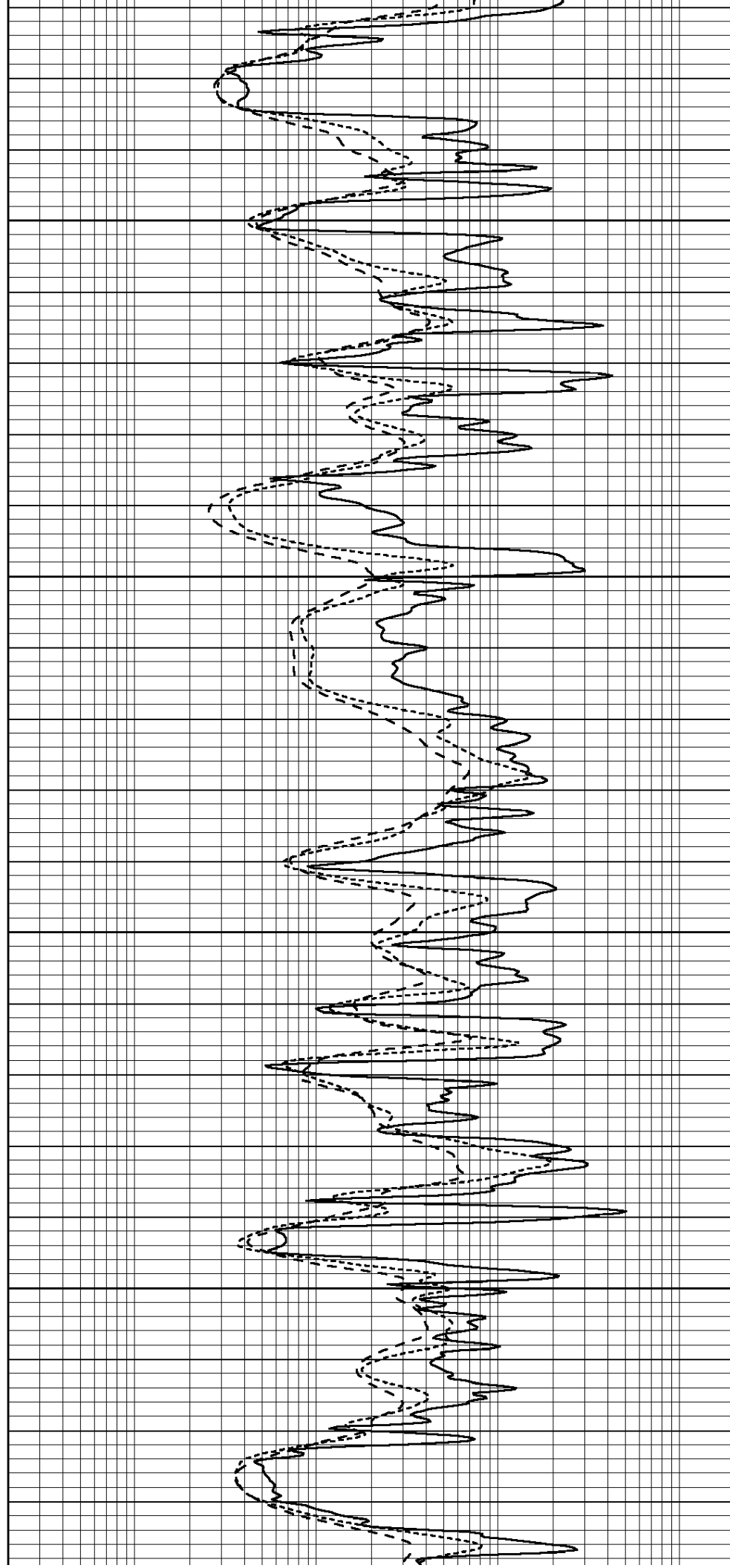


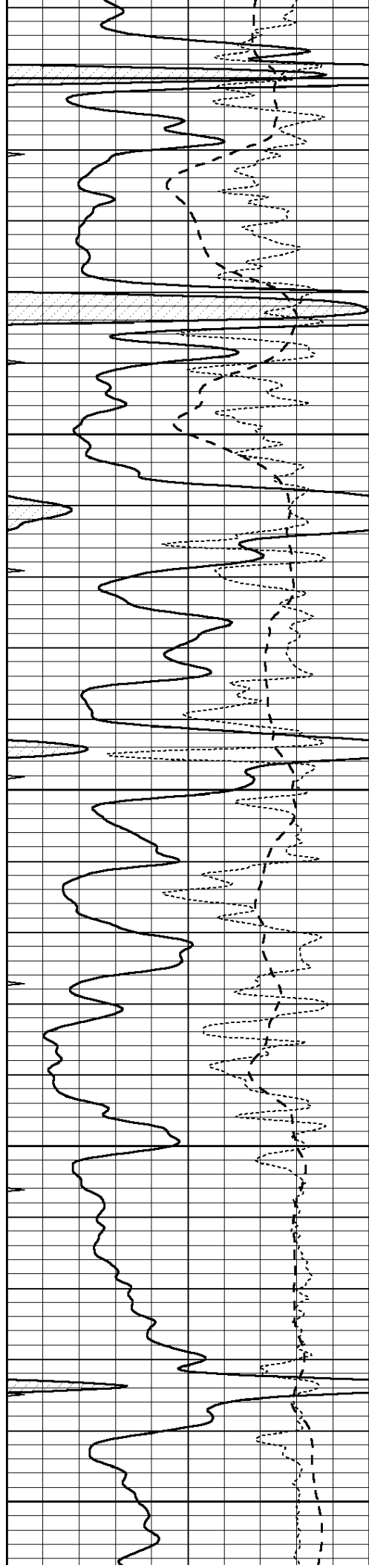
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4000

4050

4100





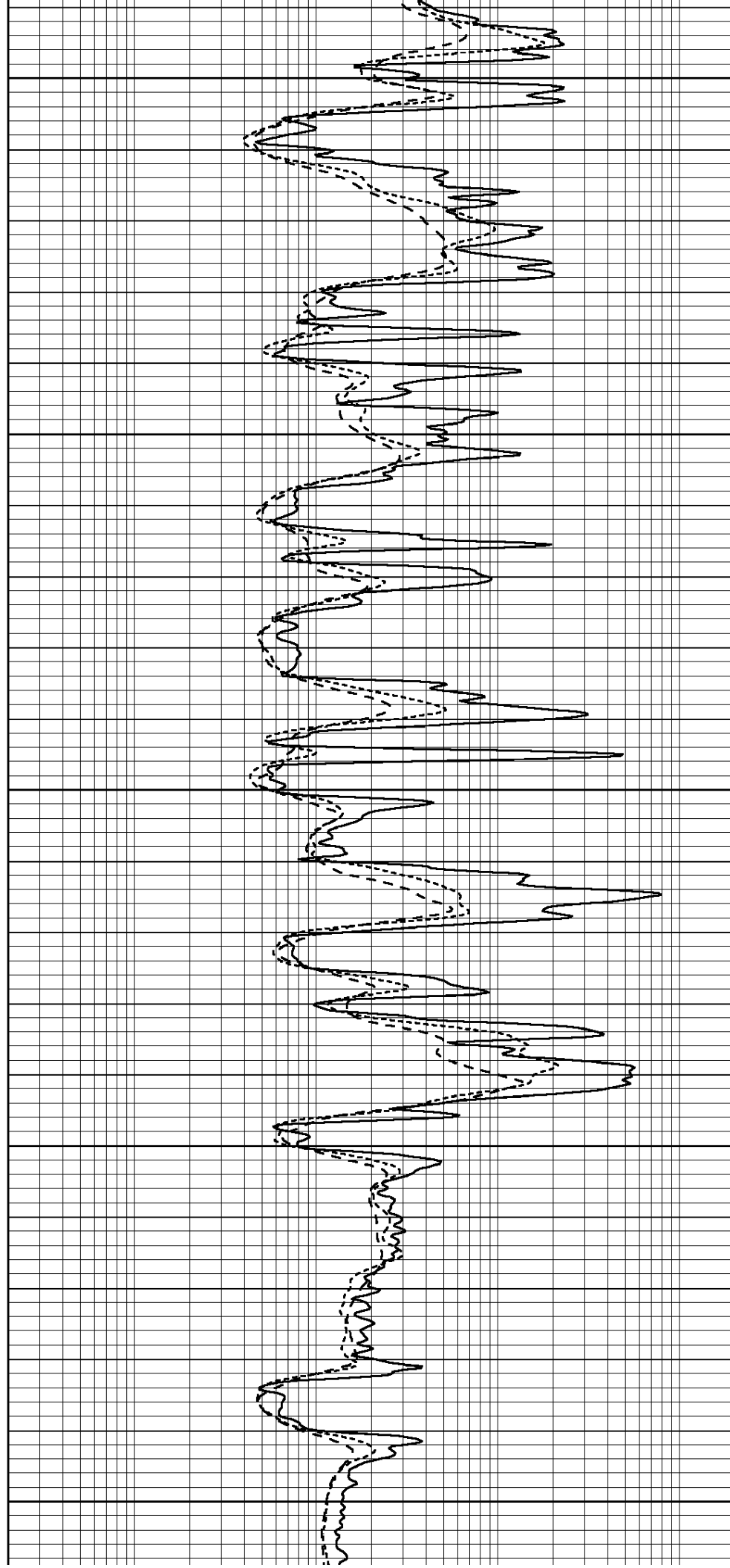
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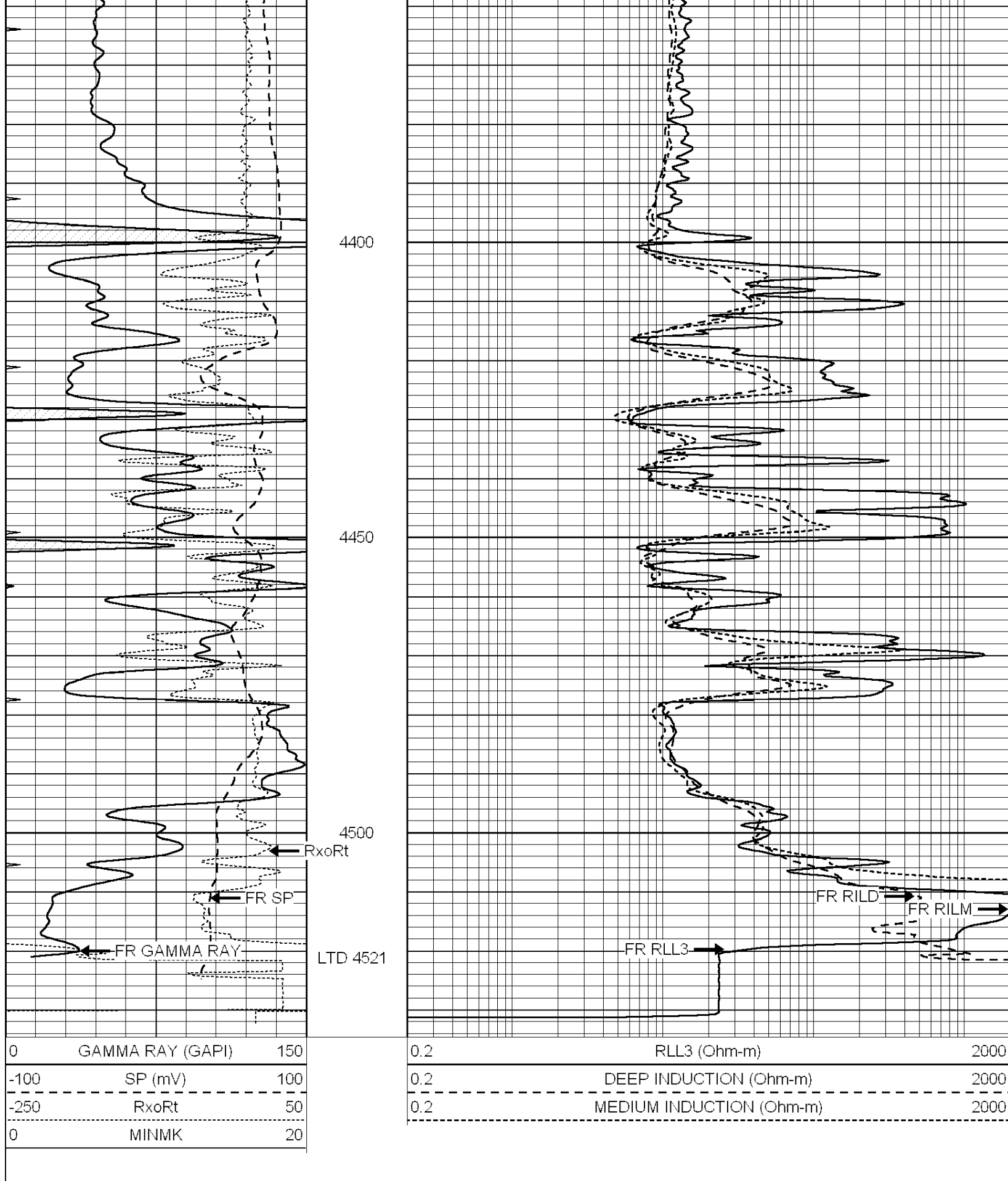
4200

4250

4300

4350





SUPERIOR
Hays,

REPEAT SECTION

Database File:

007441ddn.db

Dataset Pathname:

pass3.1M

Presentation Format:

dil

Dataset Creation:

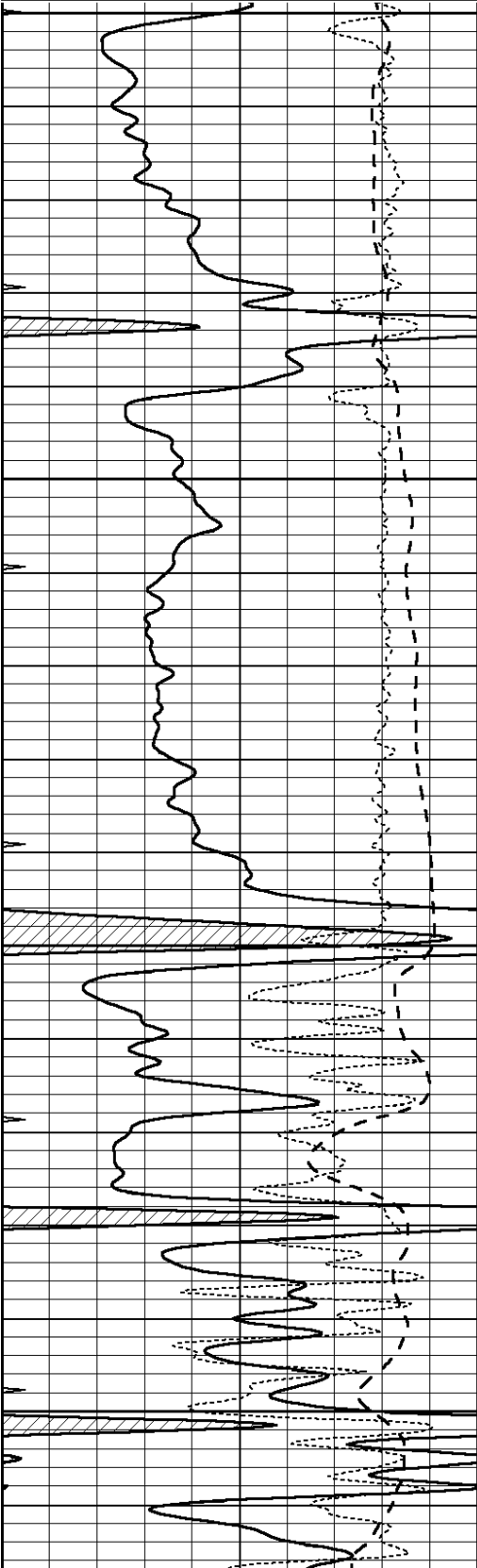
Thu Nov 03 04:08:44 2011

Charted by:

Depth in Feet scaled 1:240

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

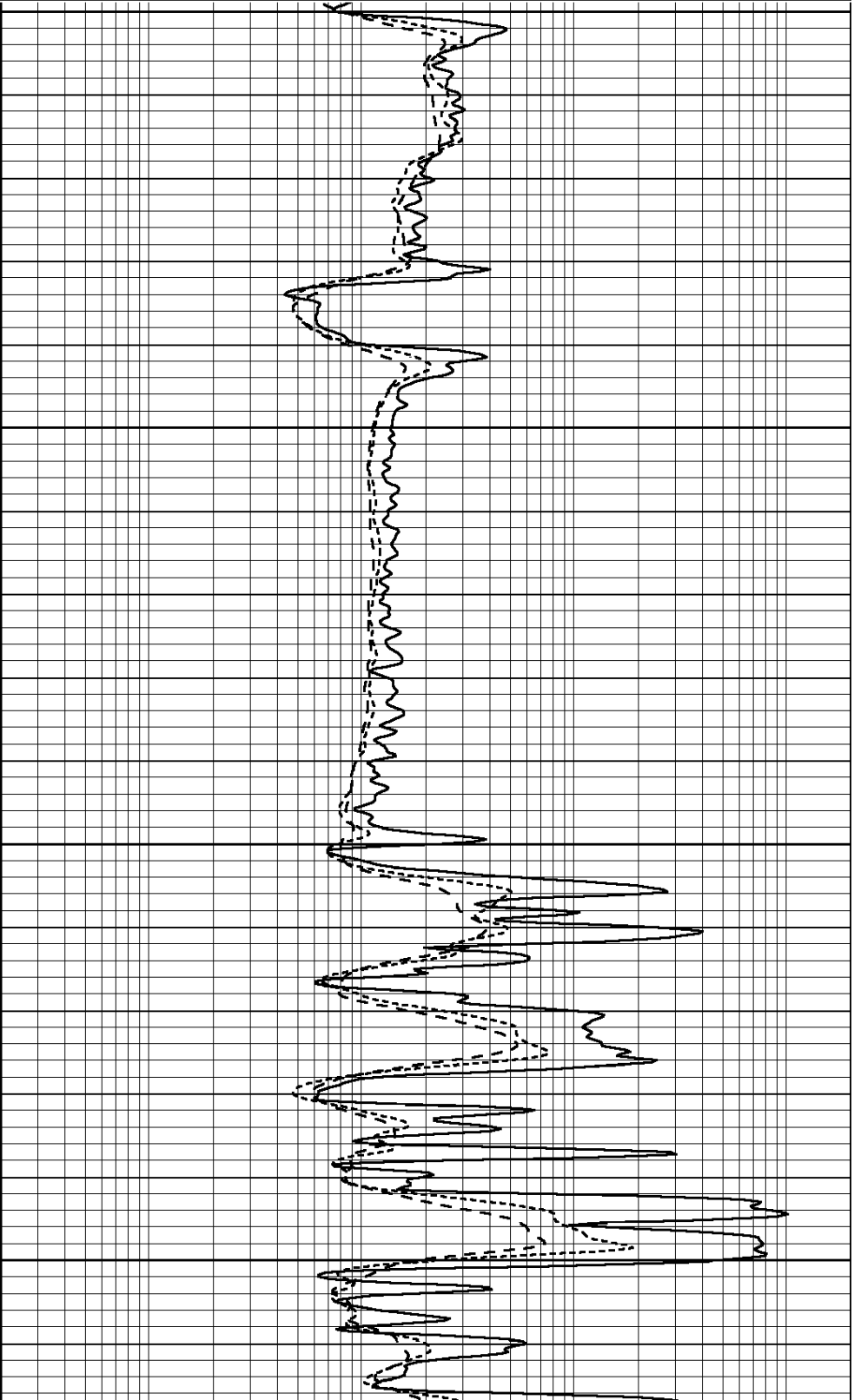


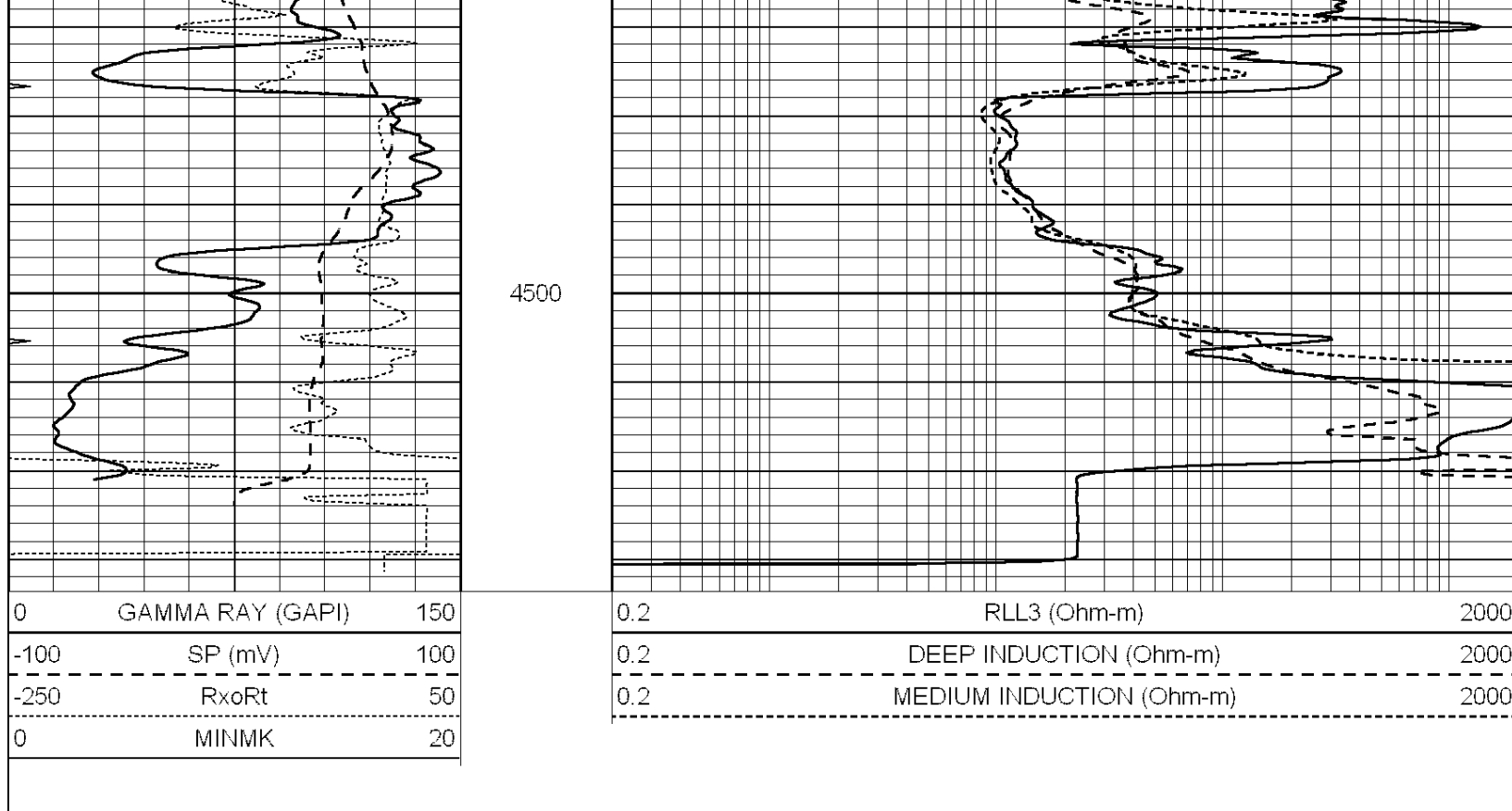
4300

4350

4400

4450





Calibration Report

Database File: 007441ddn.db
 Dataset Pathname: pass3.1M
 Dataset Creation: Thu Nov 03 04:08:44 2011

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
 Performed: Wed Nov 02 00:39:53 2011

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	530.000	-18.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	550.000	-13.000
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 Nov 01 22:42:35 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.590	g/cc	282.16	435.01	cps

Spine Angle = 76.03

Density/Spine Ratio = 0.576

Size

Reading

Small Ring	9.00	in	3.15	V	
Large Ring	14.00	in	4.72	V	
Compensated Neutron Calibration Report					
Serial Number:		NUE_2I			
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:		GR5			
Tool Model:		OPEN			
Performed:		Wed Nov 02 02:26:16 2011			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.3500	GAPI/cps		