



**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company	MAI OIL OPERATIONS, INC.		
Well	ALEX DECHANT #1		
Field	WILDCAT		
County	NESS	State	KANSAS
Location:	API # : 15-135-25756-00-00 2020' FNL & 1305' FEL NW - SW - SE - NE		Other Services CNL/CDL MEL SONIC
Permanent Datum	SEC 17	TWP 20S	RGE 22W
Log Measured From	GROUND LEVEL		Elevation 2207
Drilling Measured From	KELLY BUSHING 9' A.G.L.		K.B. 2216 D.F. 2214 G.L. 2207
Date	4-25-14		
Run Number	ONE		
Depth Driller	4420		
Depth Logger	4425		
Bottom Logged Interval	4423		
Top Log Interval	00		
Casing Driller	8 5/8 @ 262'		
Casing Logger	262'		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6.300	
Density / Viscosity	9.3 / 56		
pH / Fluid Loss	9.5 / 8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.50 @ 66F		
Rmf @ Meas. Temp	0.38 @ 66F		
Rmc @ Meas. Temp	0.60 @ 66F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.28 @ 120F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	120F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	WYATT URBAN		

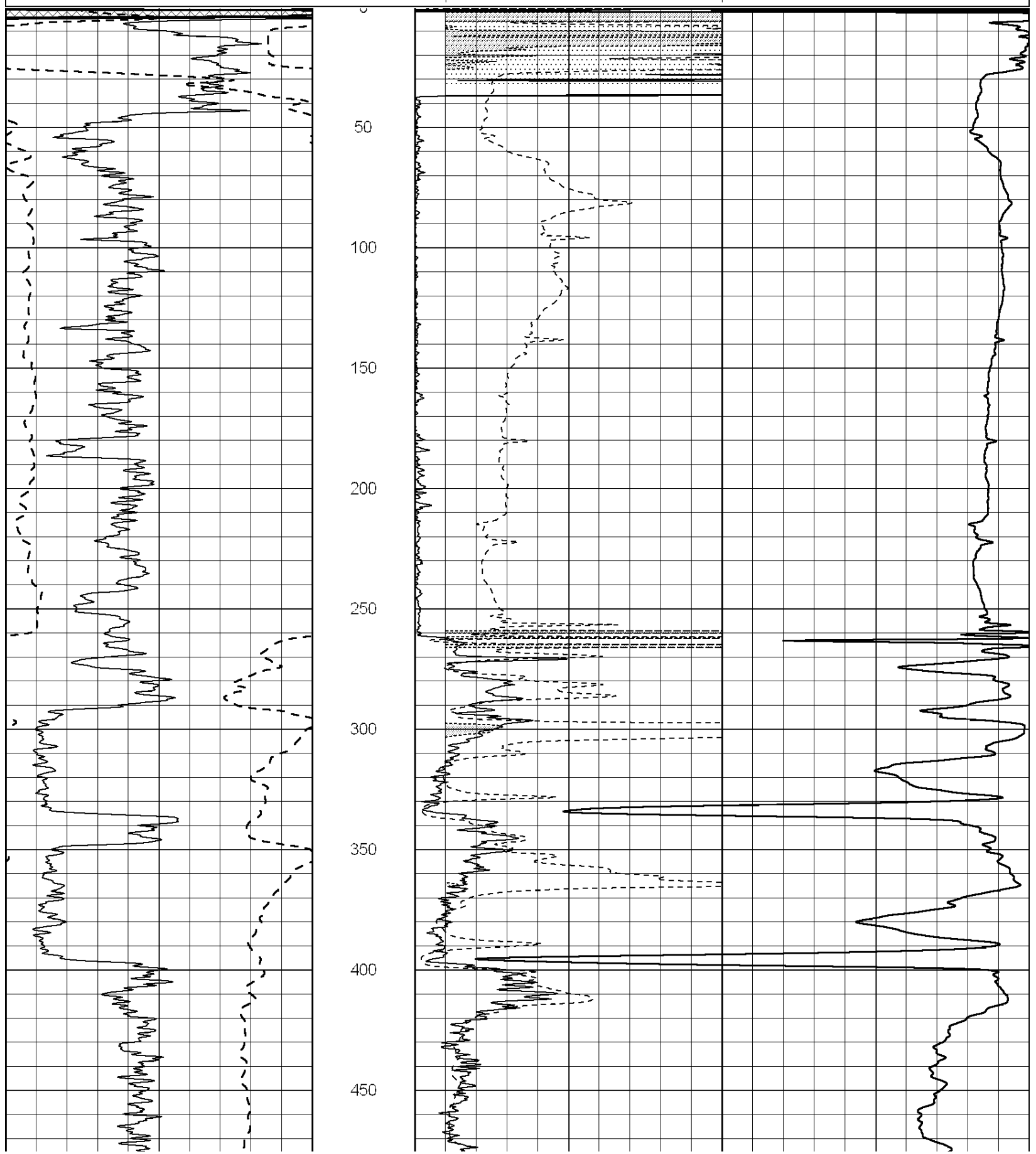
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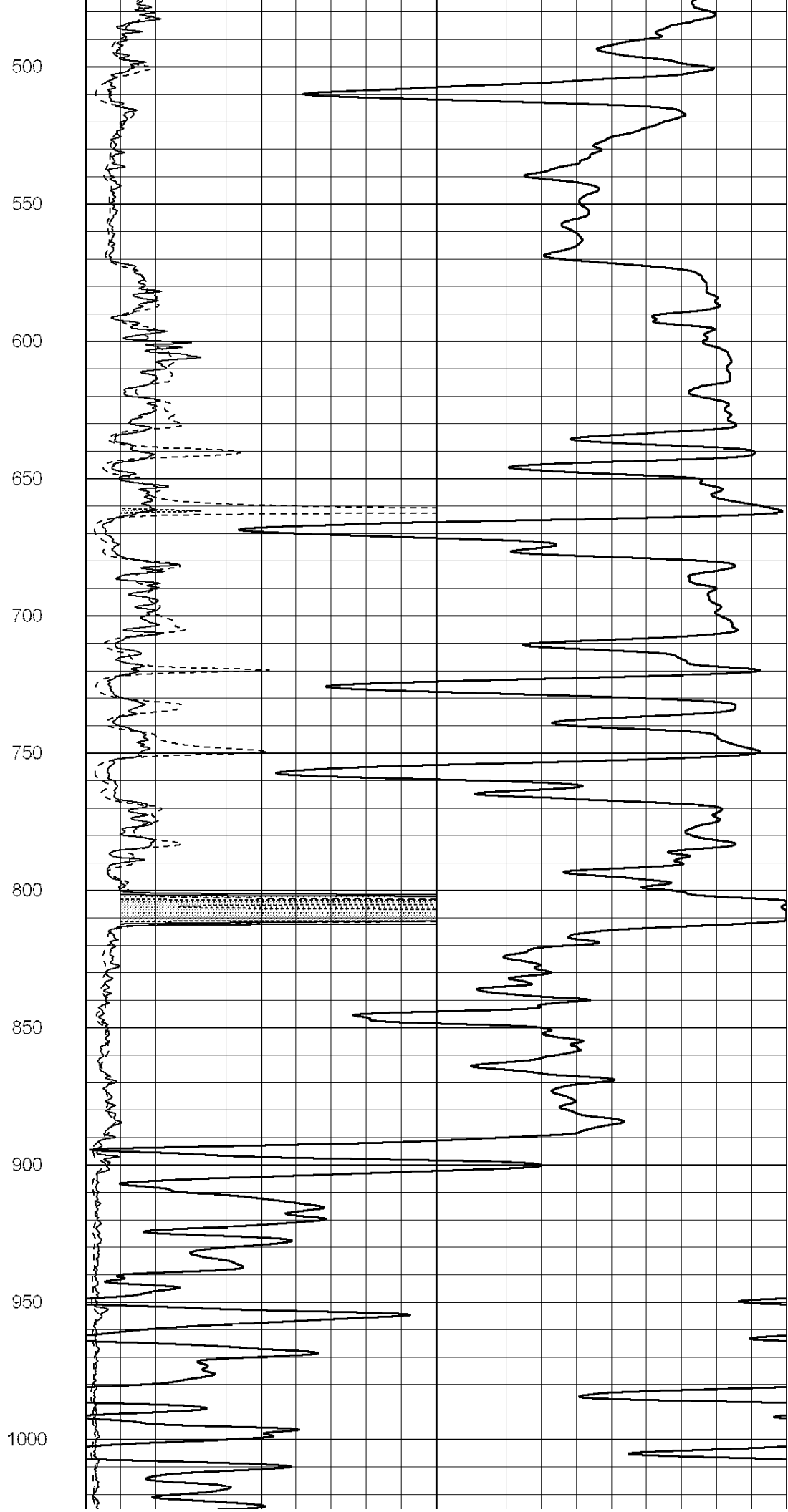
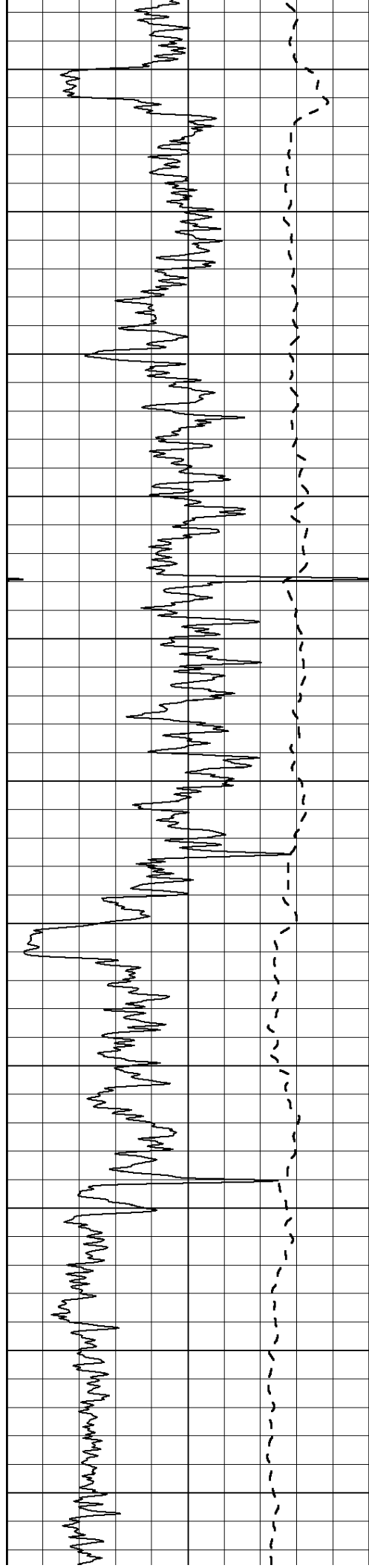
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

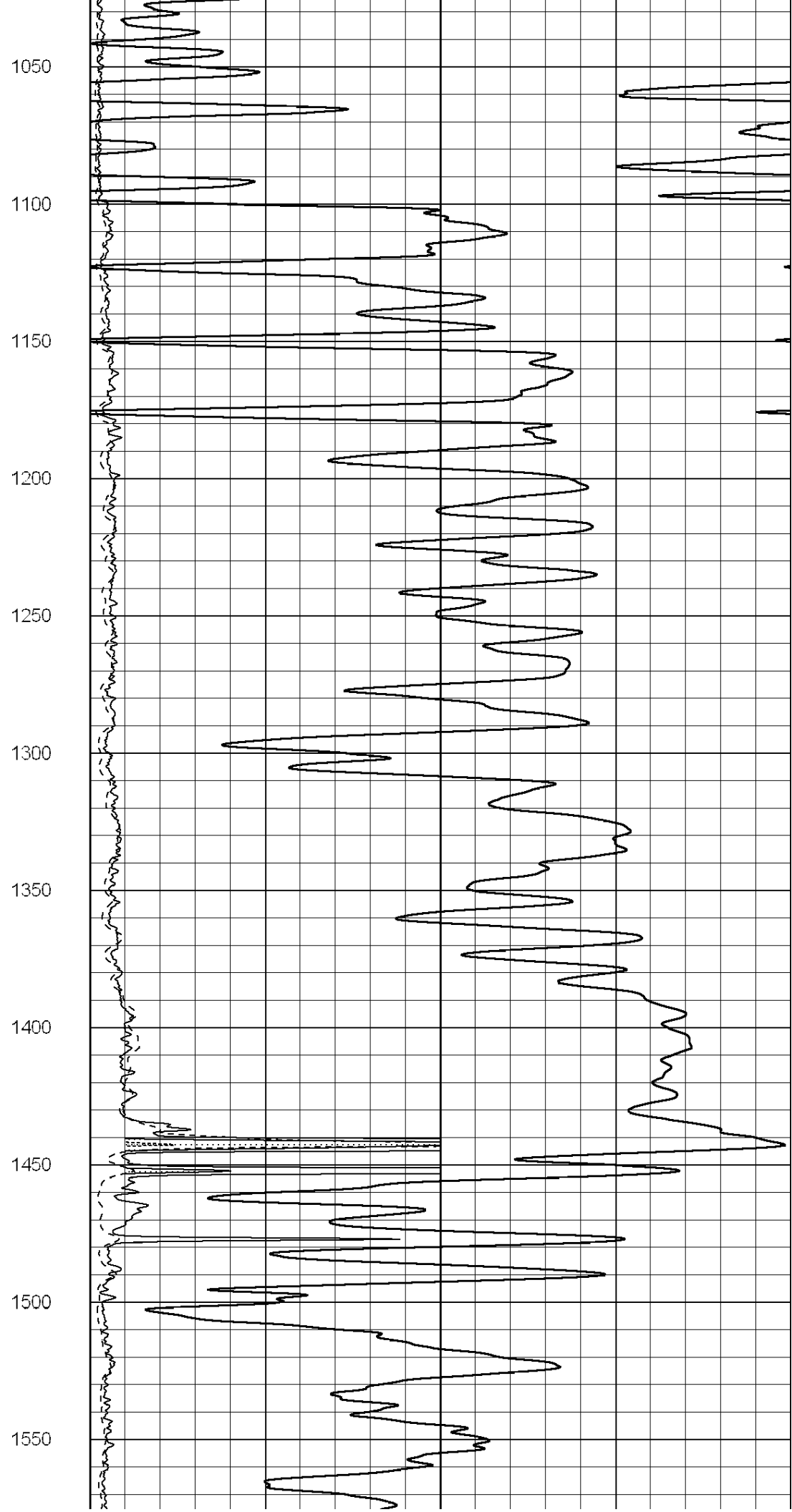
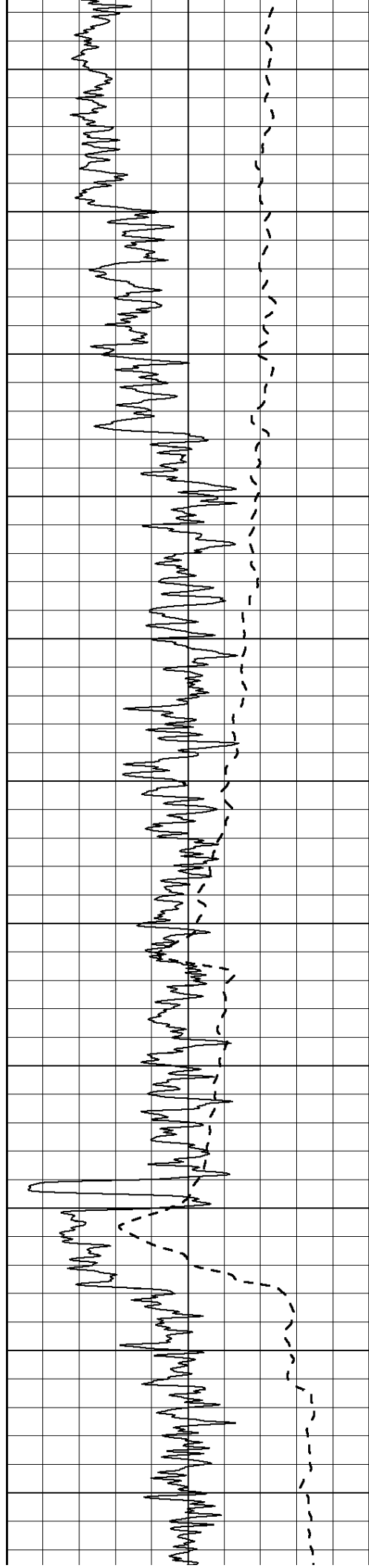
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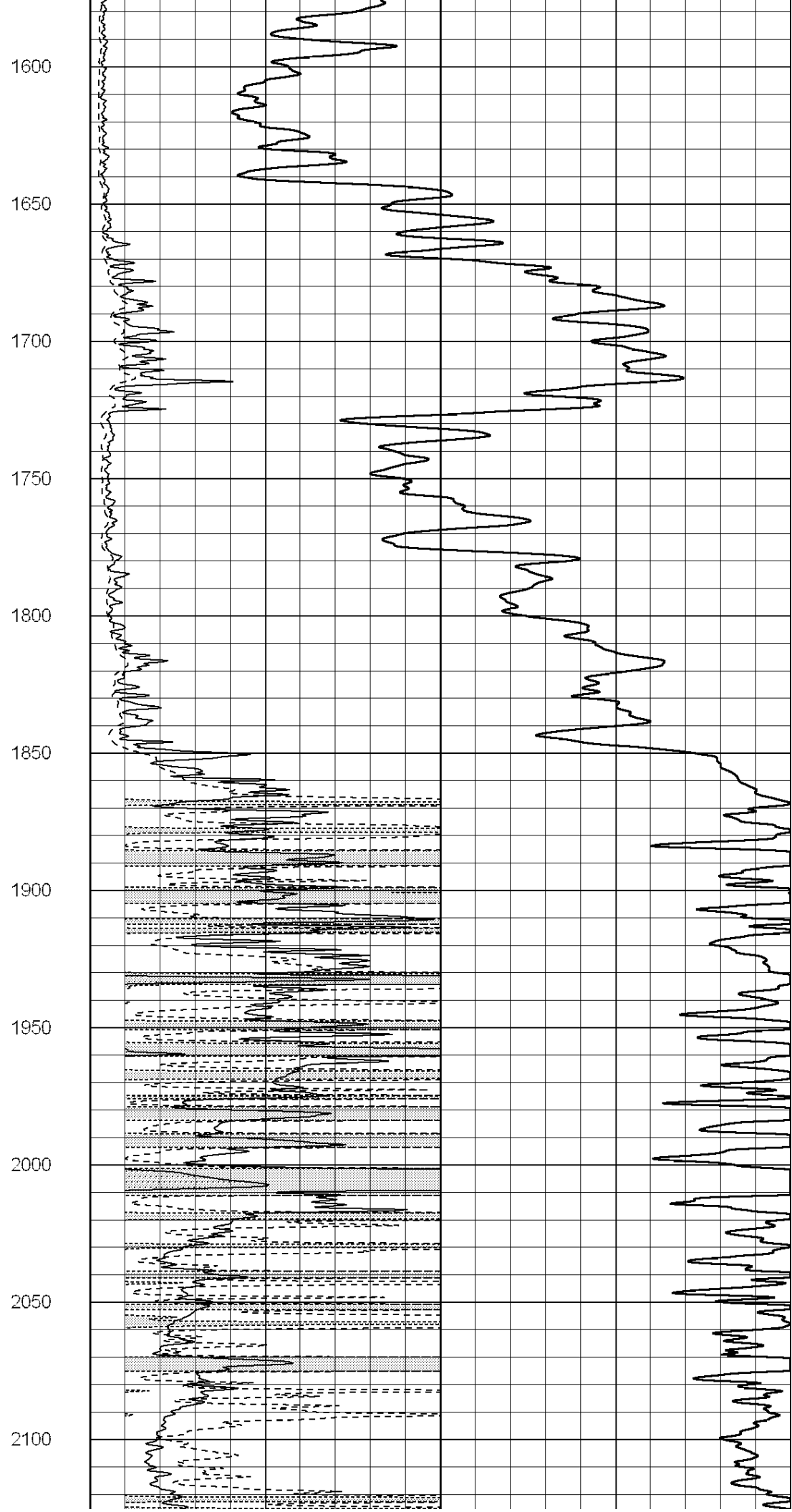
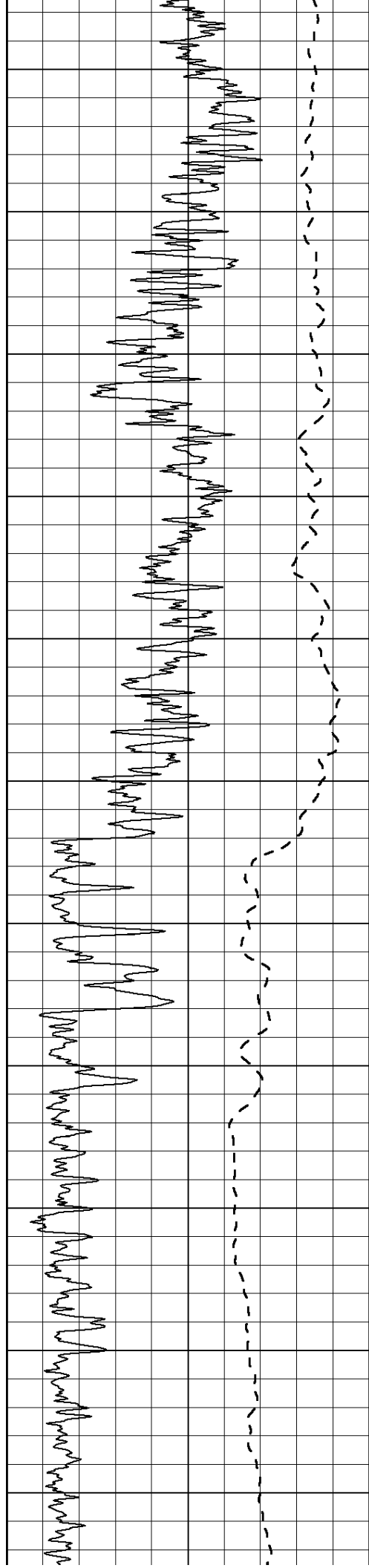
NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: NESS CITY, KS. - 8 MILES SOUTH TO RD 40 - 7 MILES EAST - 1/2 SOUTH WEST INTO

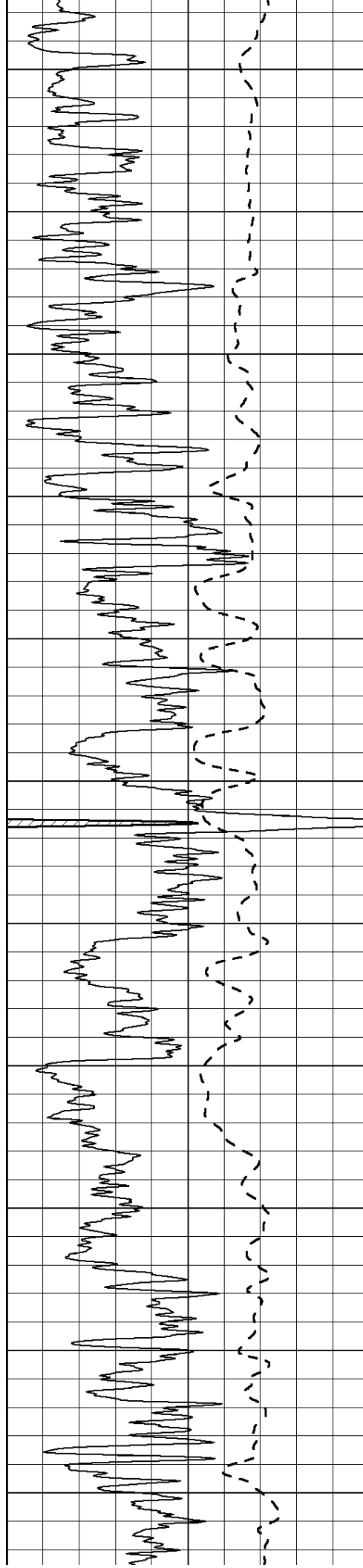
0	Gamma Ray (GAPI)	150	0	RLL3 (Ohm-m)	50
			0	Deep Induction (Ohm-m)	50
			1000	CILD (mmho/m)	0
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500











2150

2200

2250

2300

2350

2400

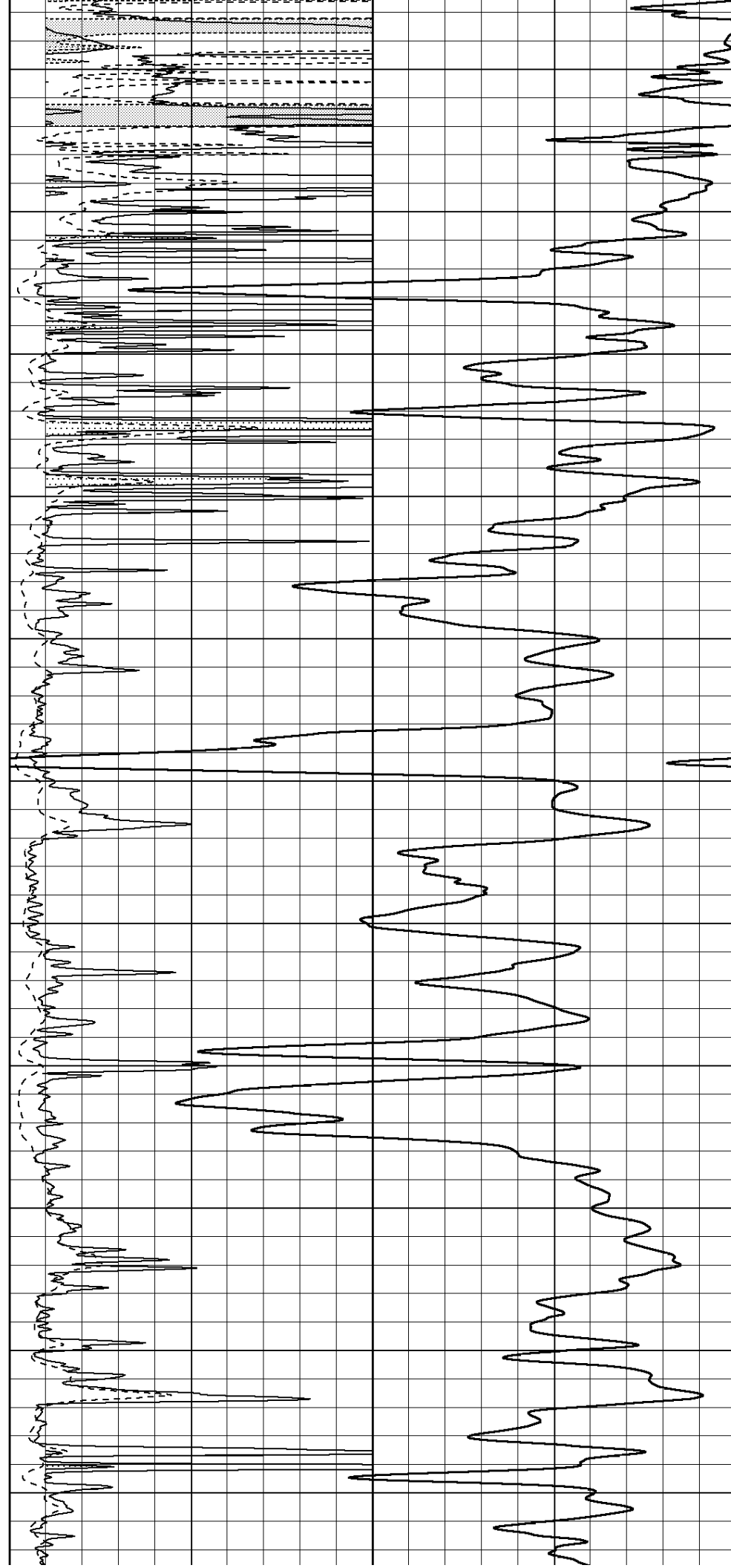
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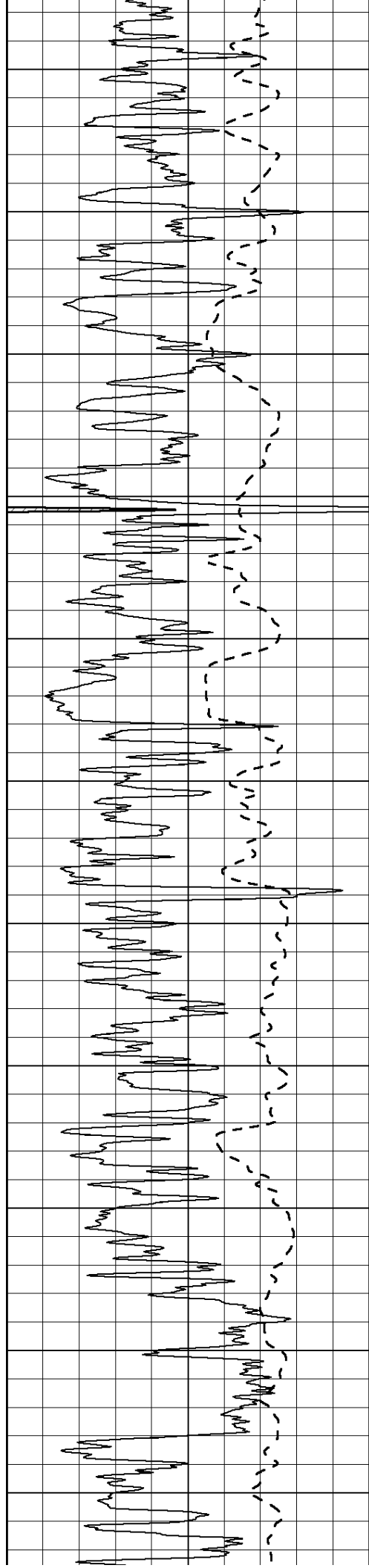
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2550

2600

2650





2700

2750

2800

2850

2900

2950

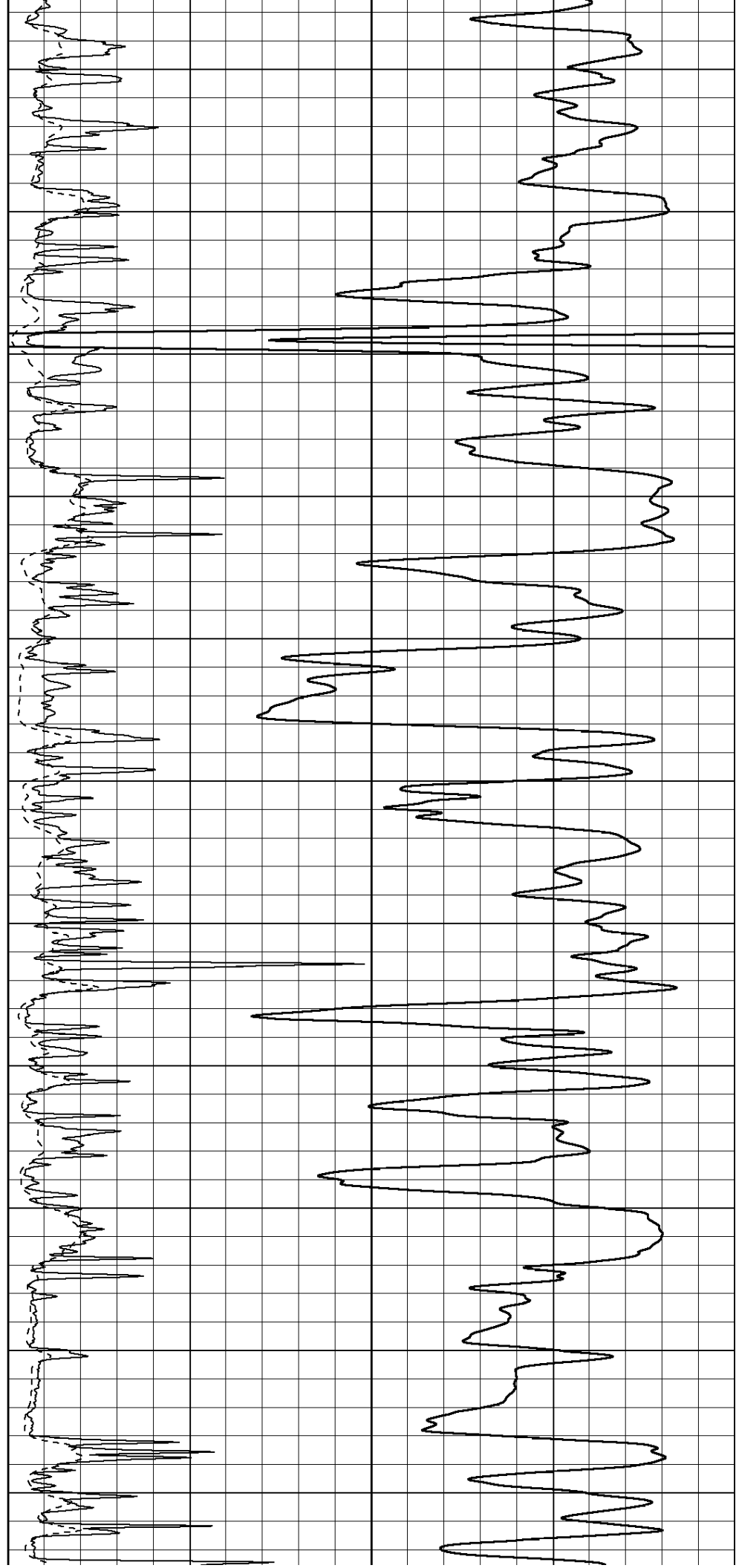
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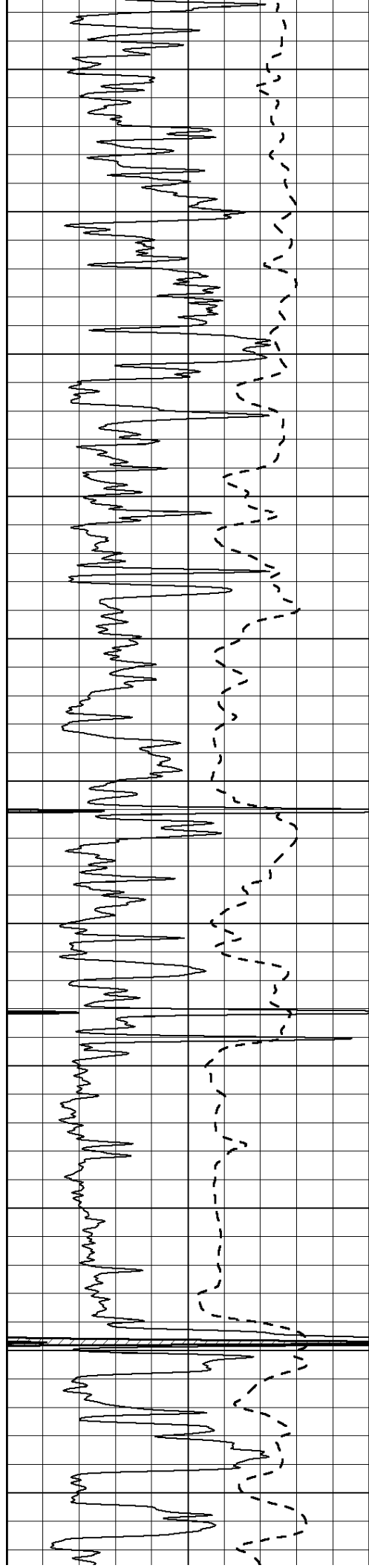
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3100

3150

3200





3250

3300

3350

3400

3450

3500

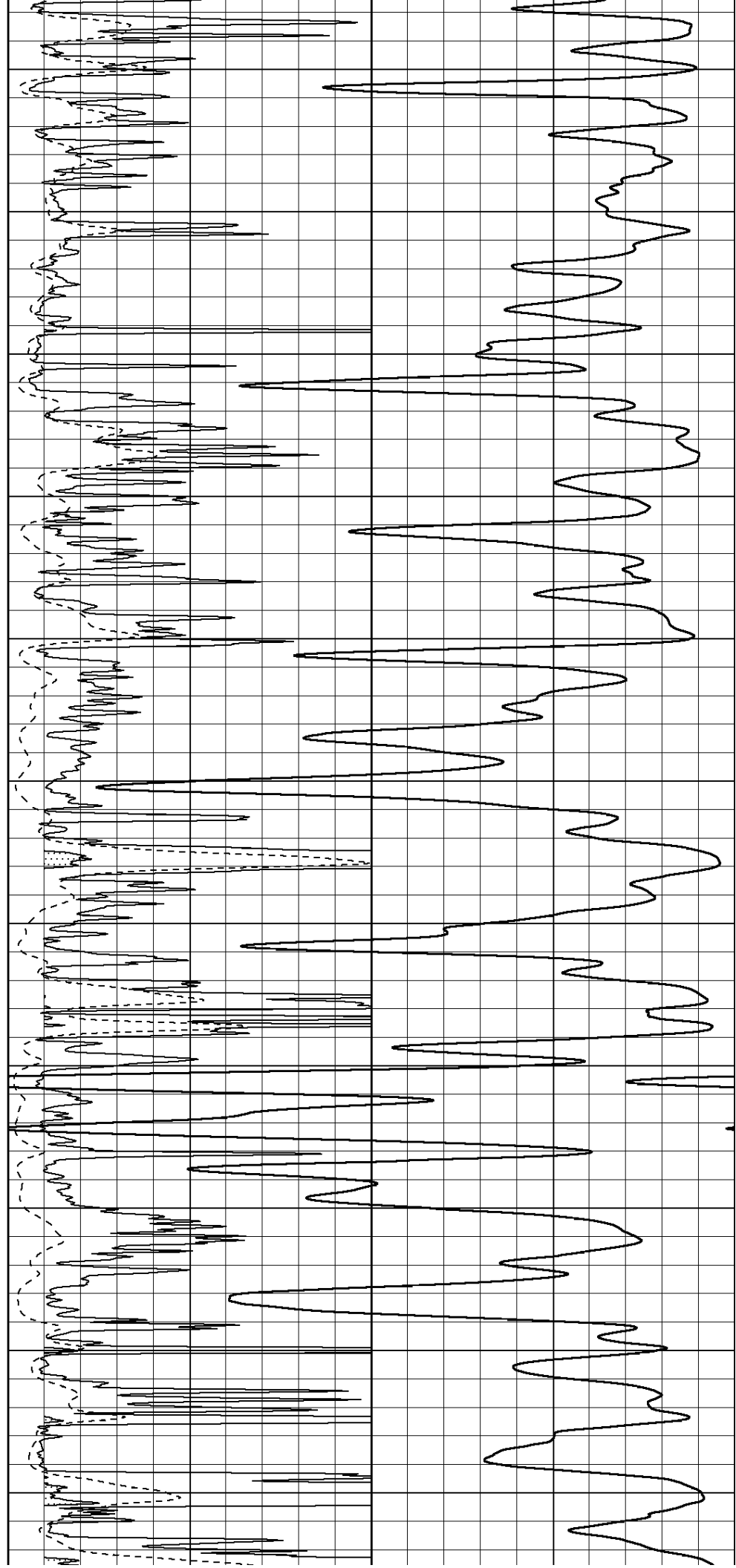
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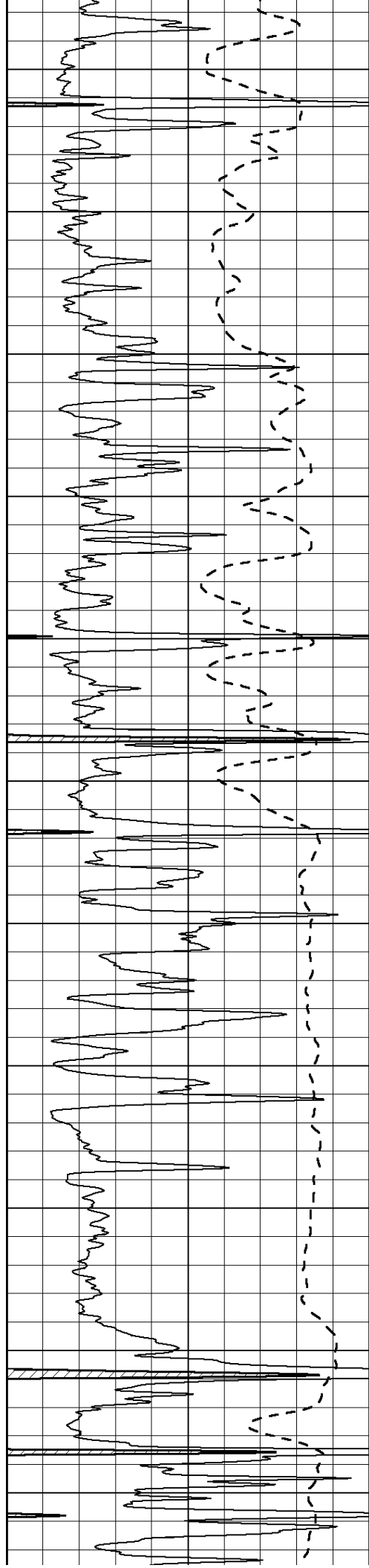
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3650

3700

3750





3800

3850

3900

3950

4000

4050

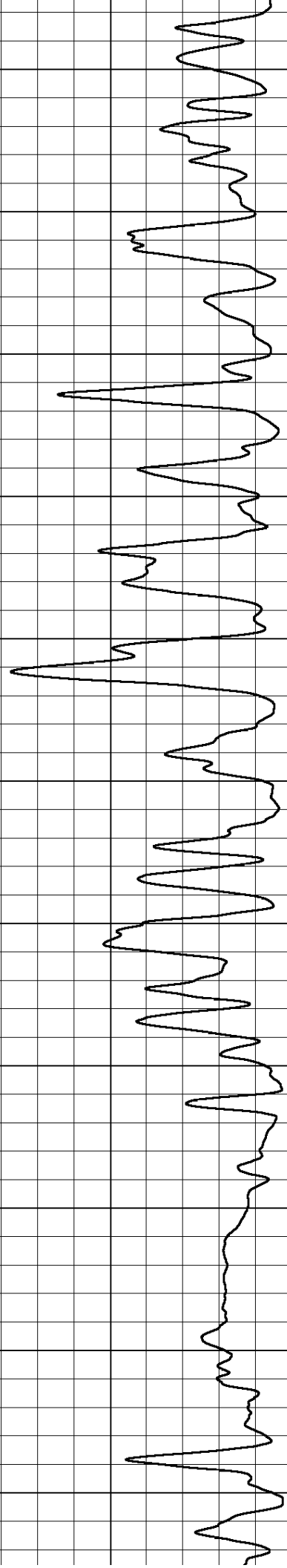
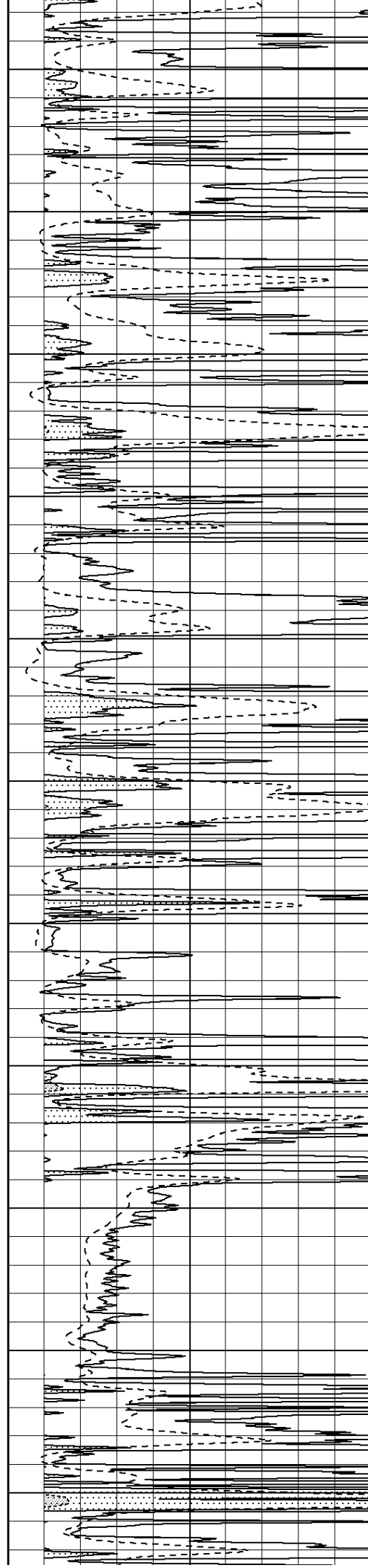
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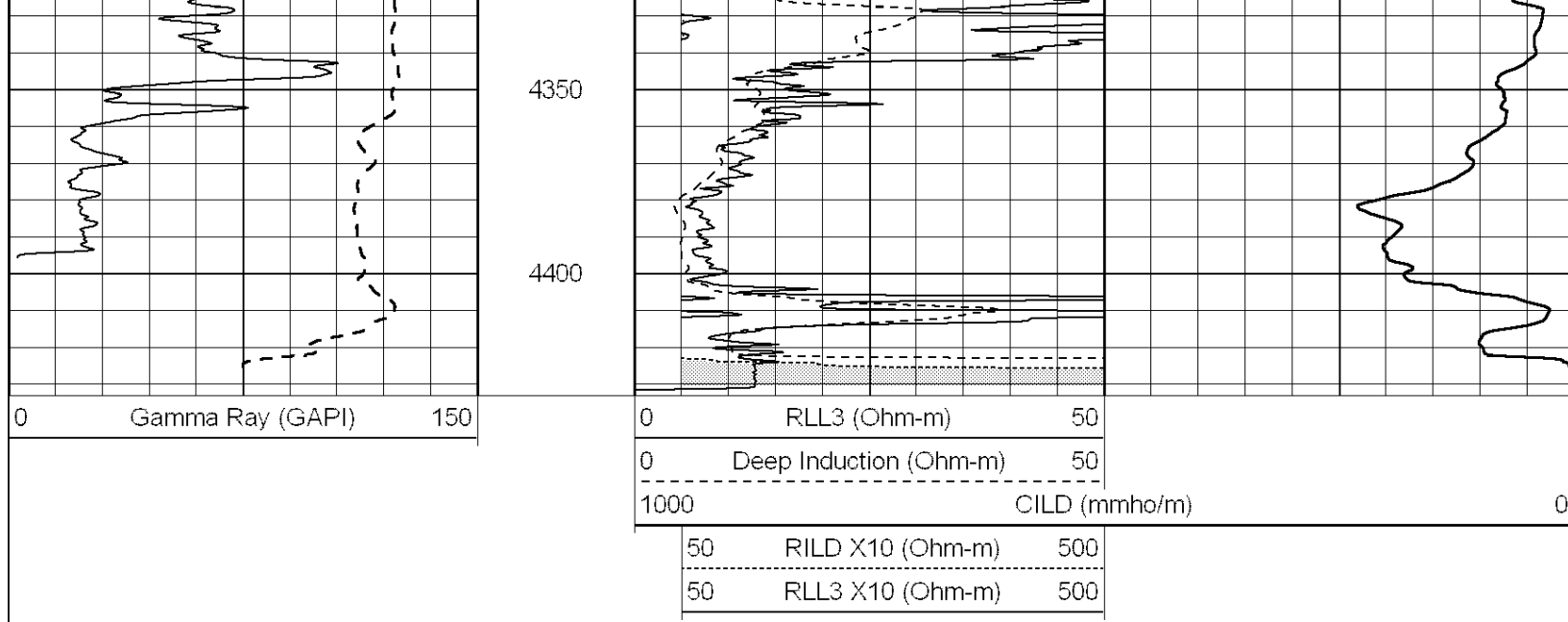
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4200

4250

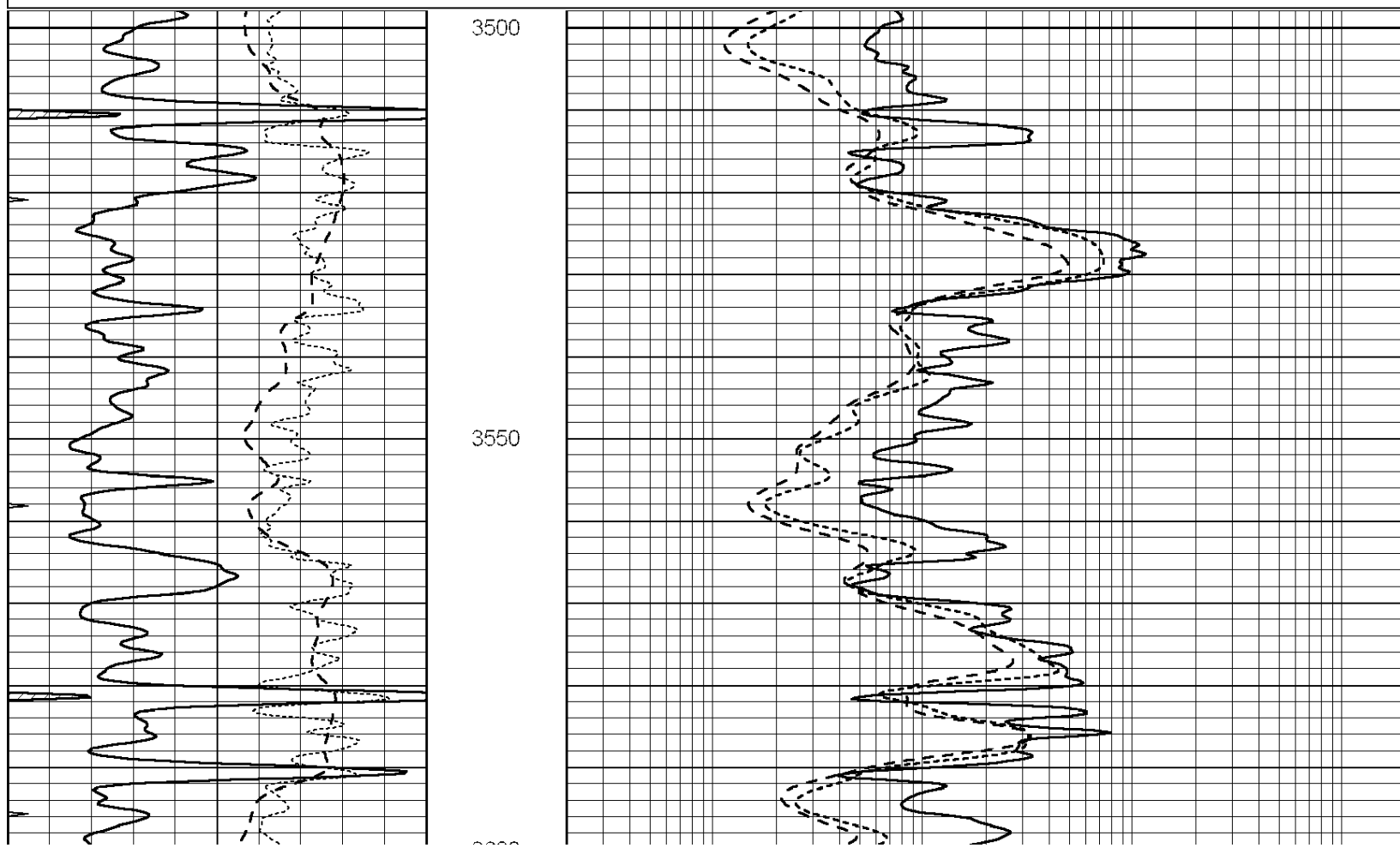
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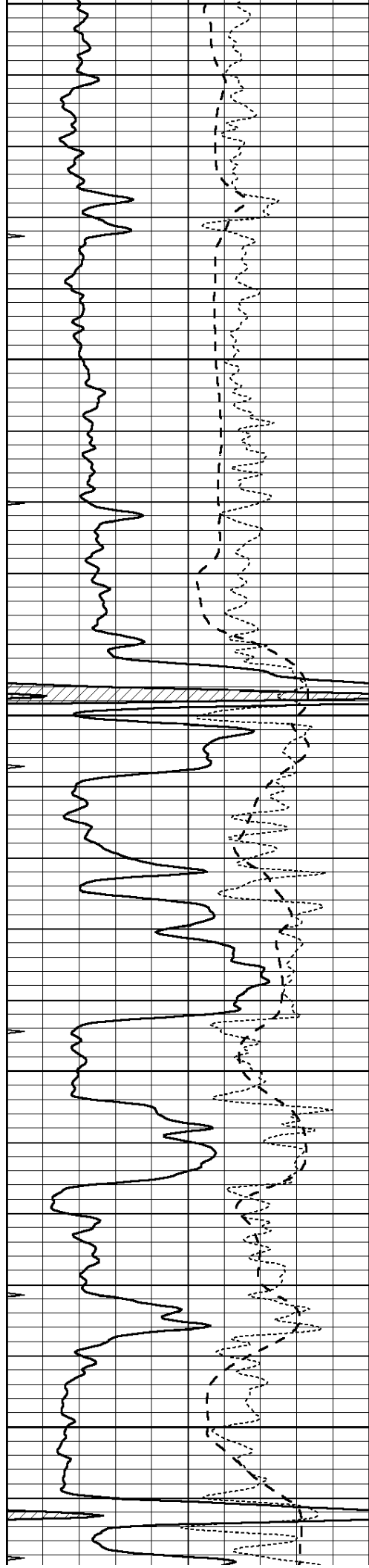




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 Dataset Pathname: pass3.1
 Presentation Format: _dil
 Dataset Creation: Fri Apr 25 05:27:58 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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
0	MINMK	20			





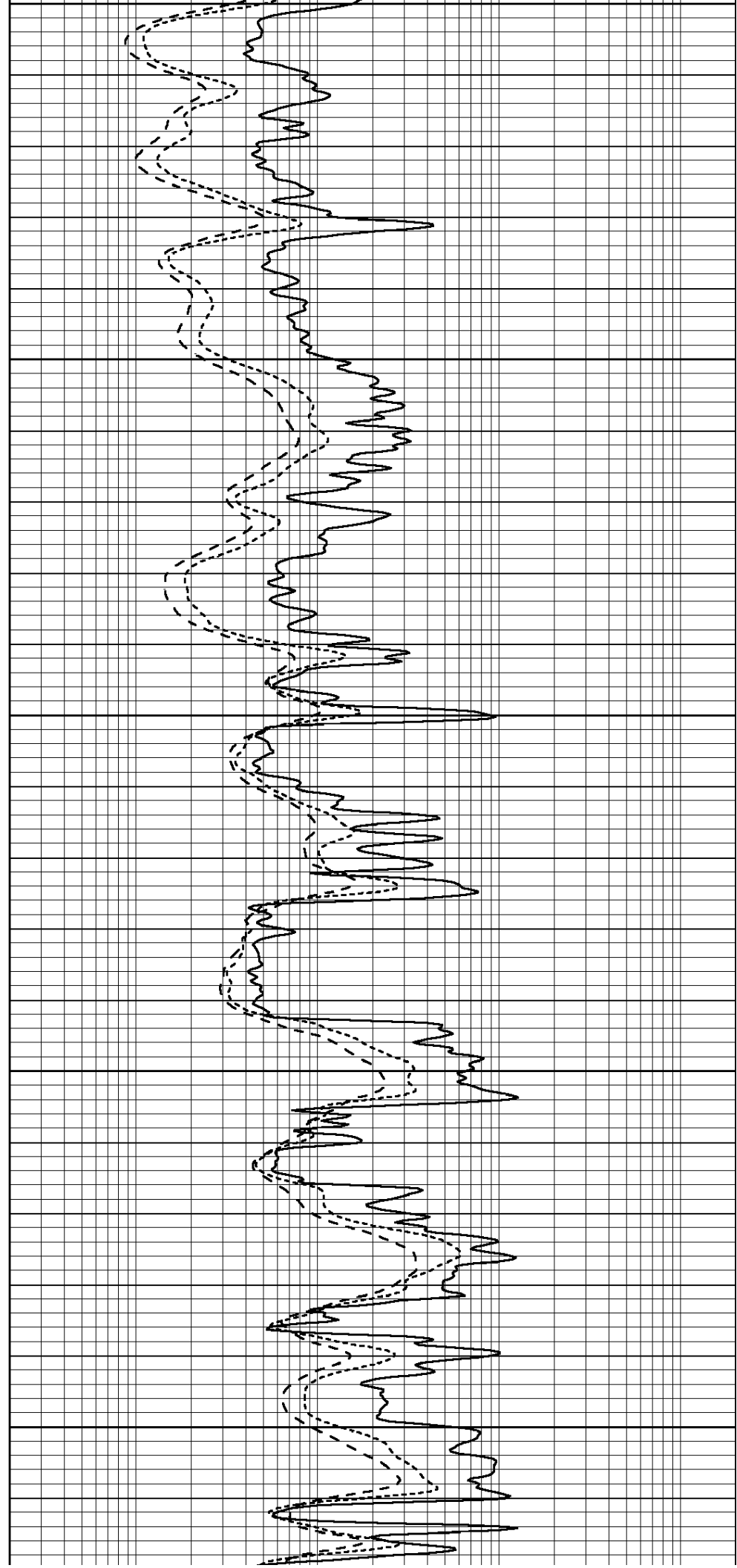
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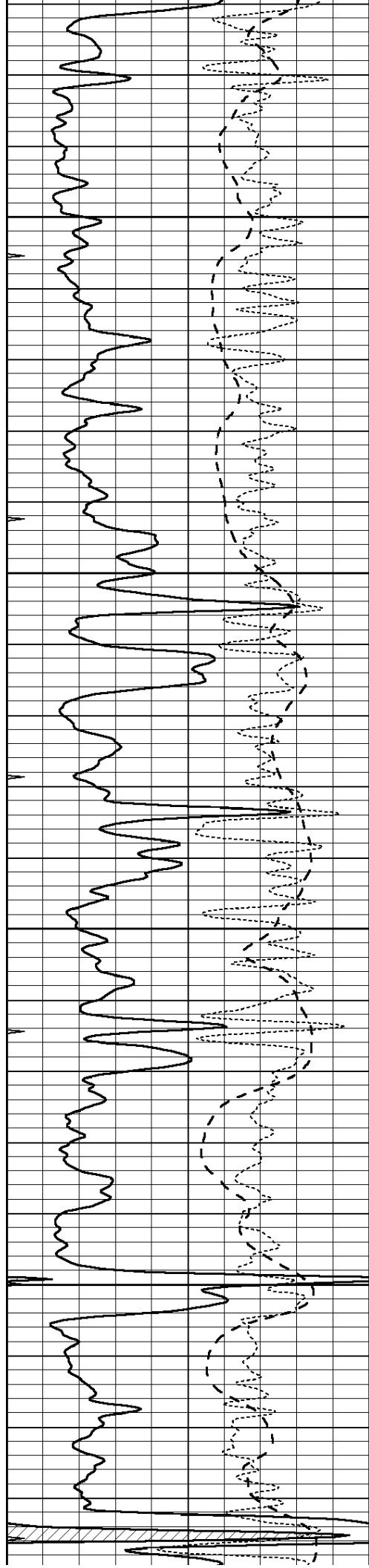
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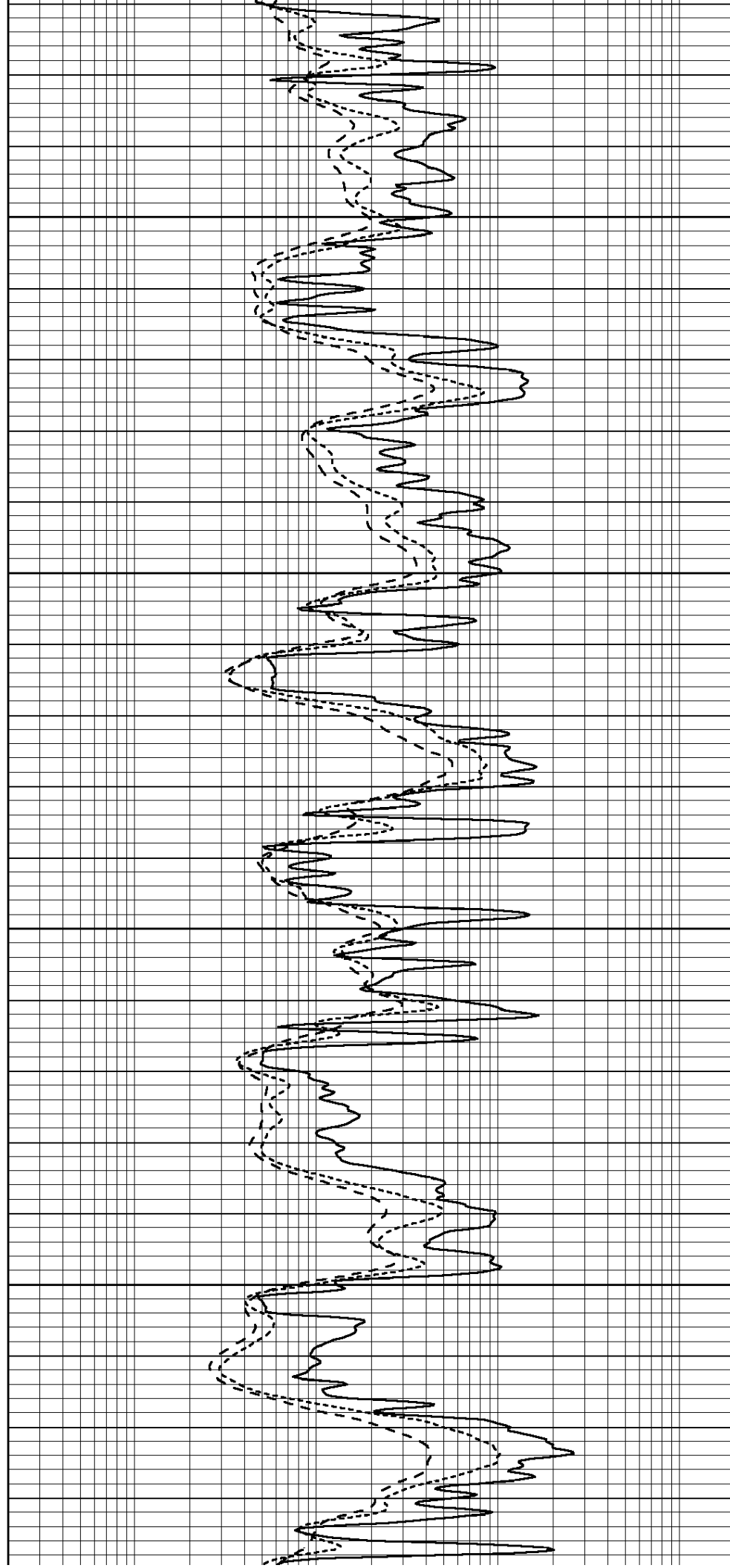


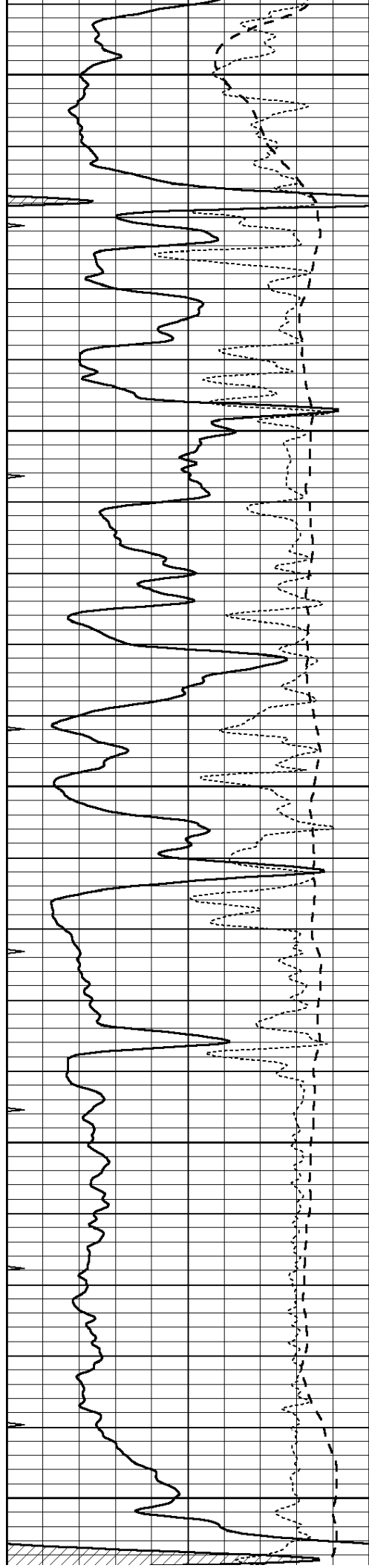
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3900

3950

4000





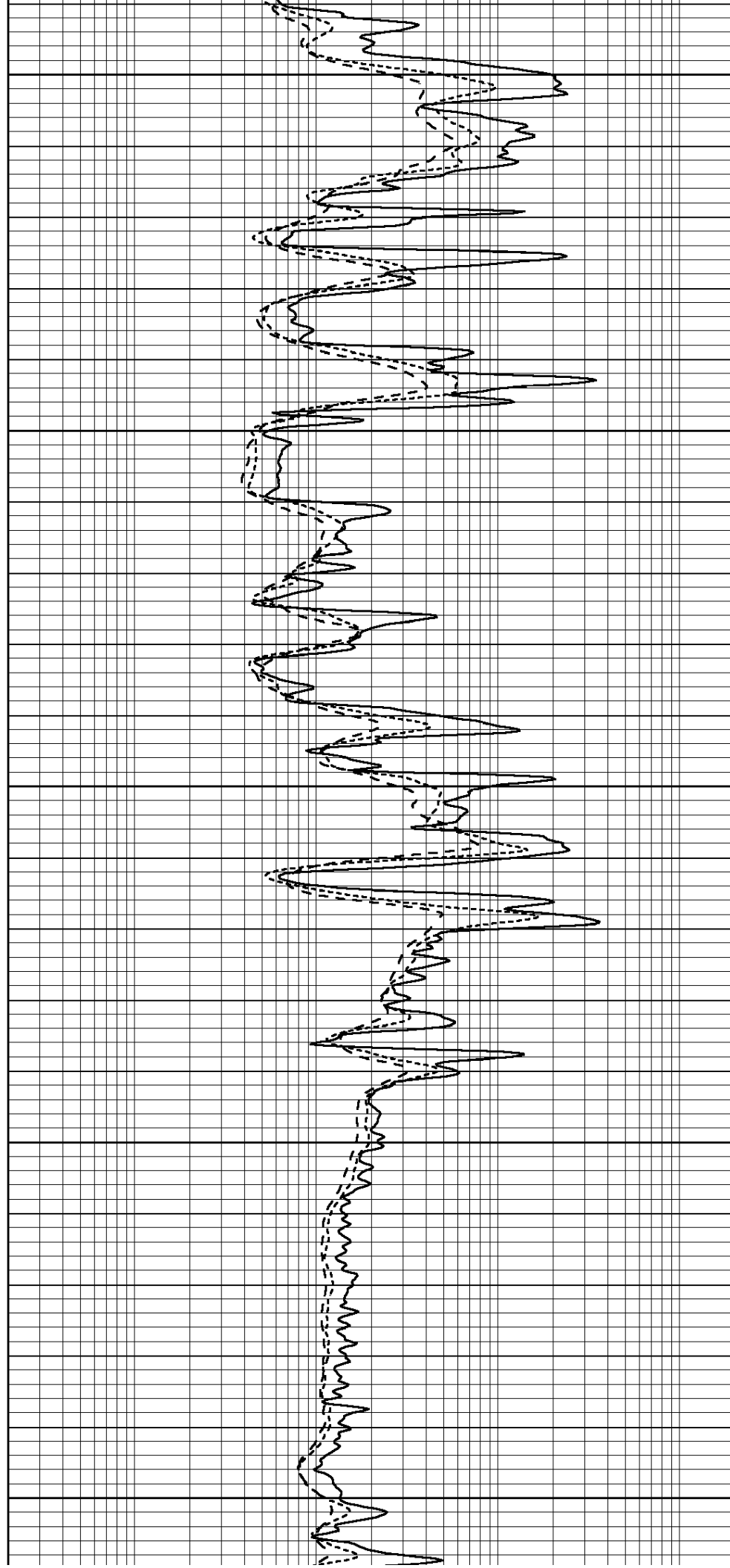
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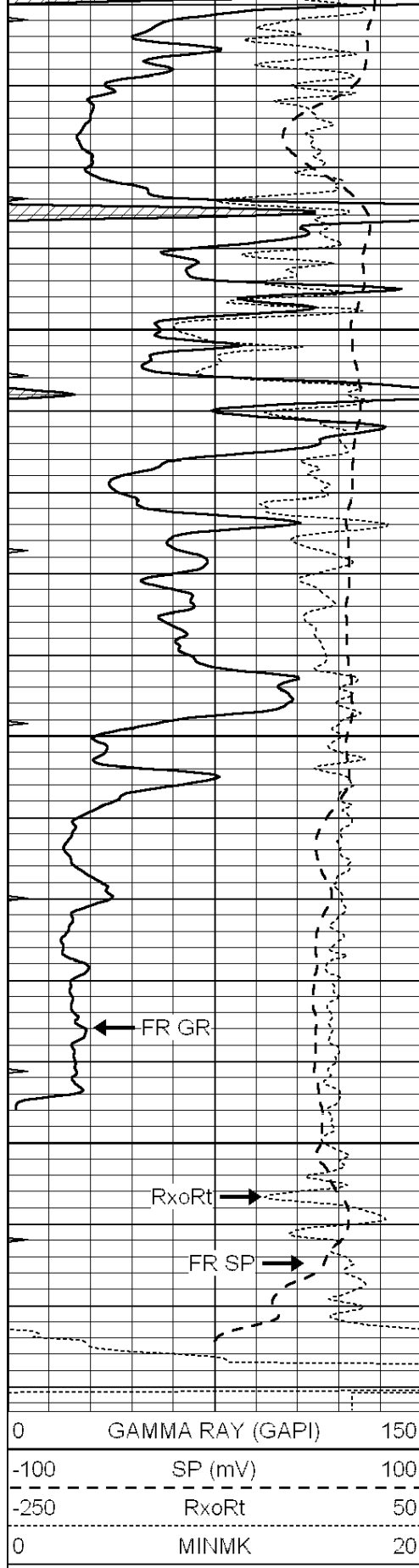
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4150

4200

4250



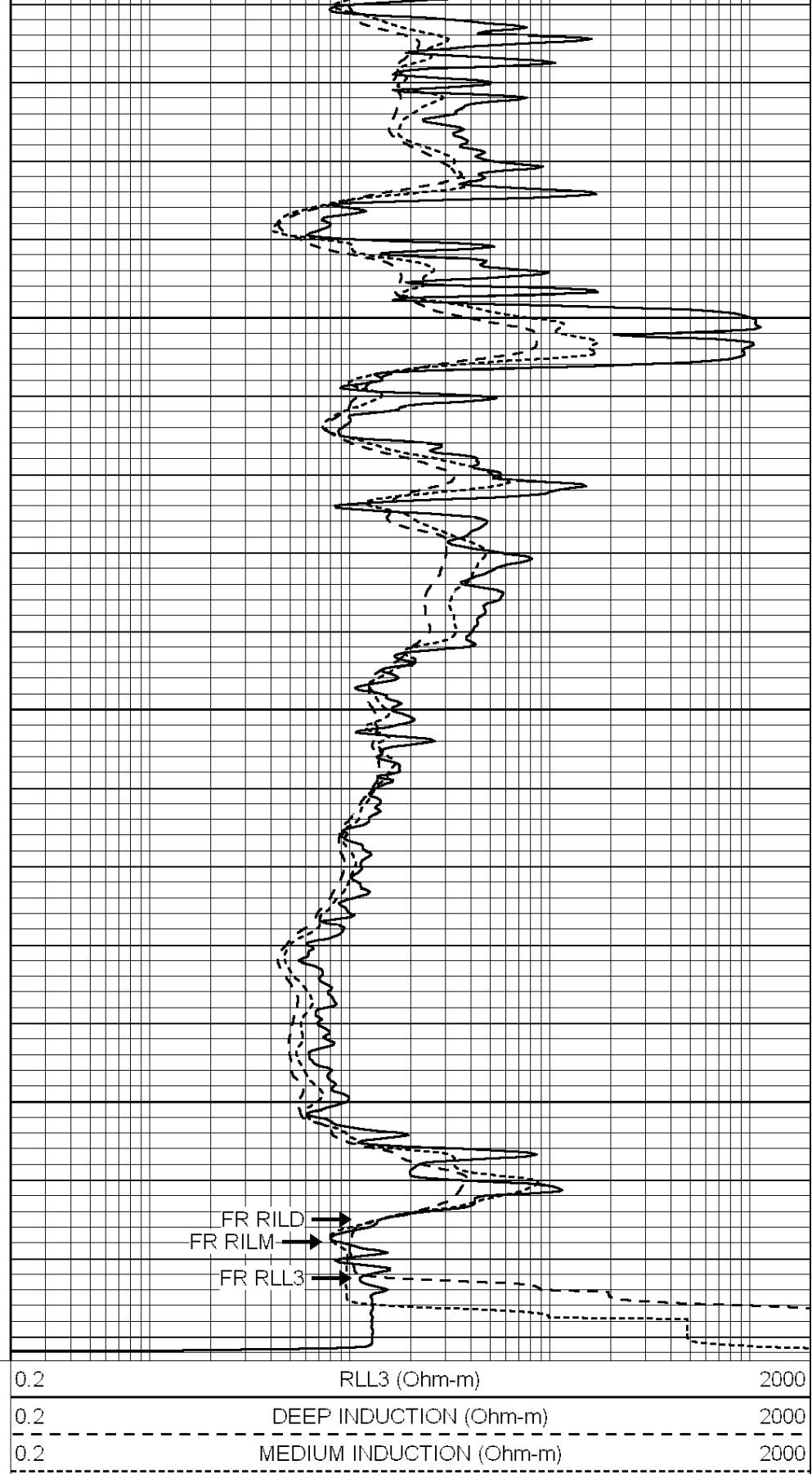


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4400

LTD 4425

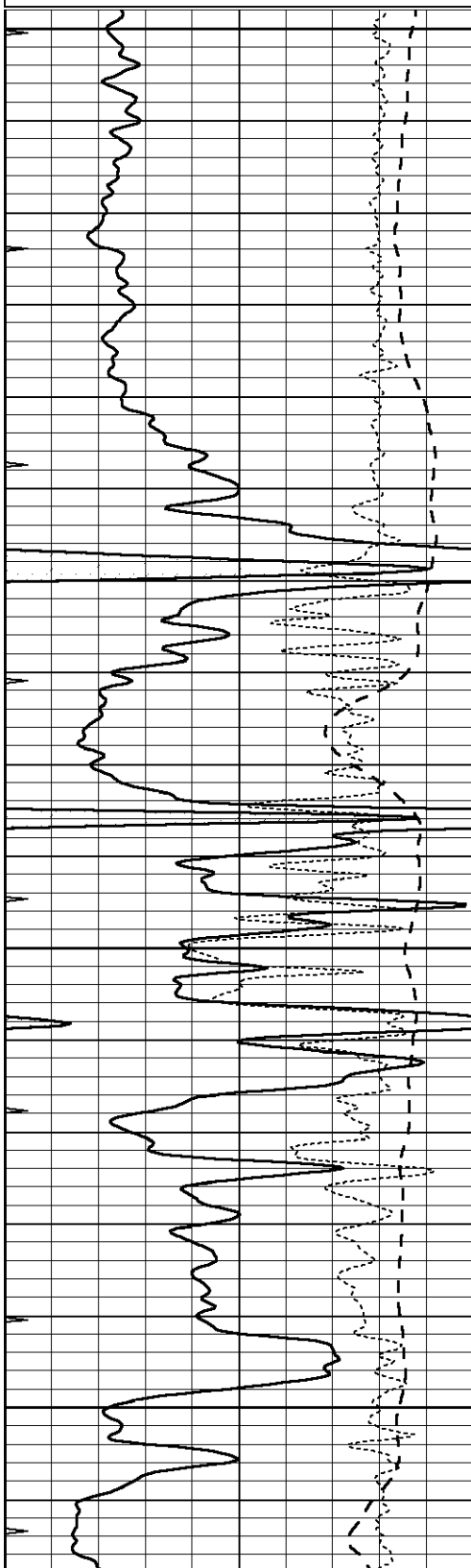


SERVICES CO.

Database File: 24144ddn.db
 Dataset Pathname: pass2.3
 Presentation Format: _dil
 Dataset Creation: Fri Apr 25 04:56:29 2014 by Calc Open-Cased 090629
 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

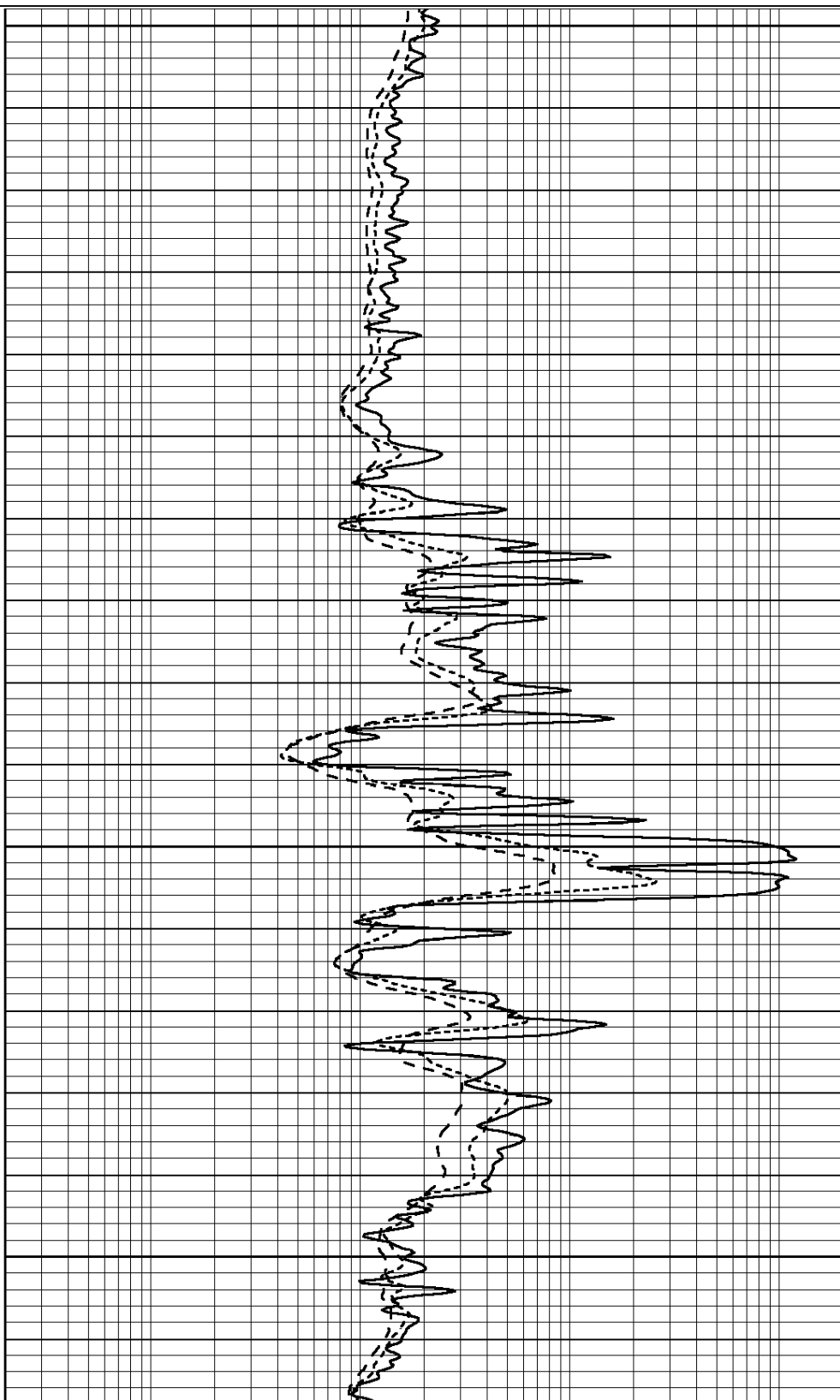


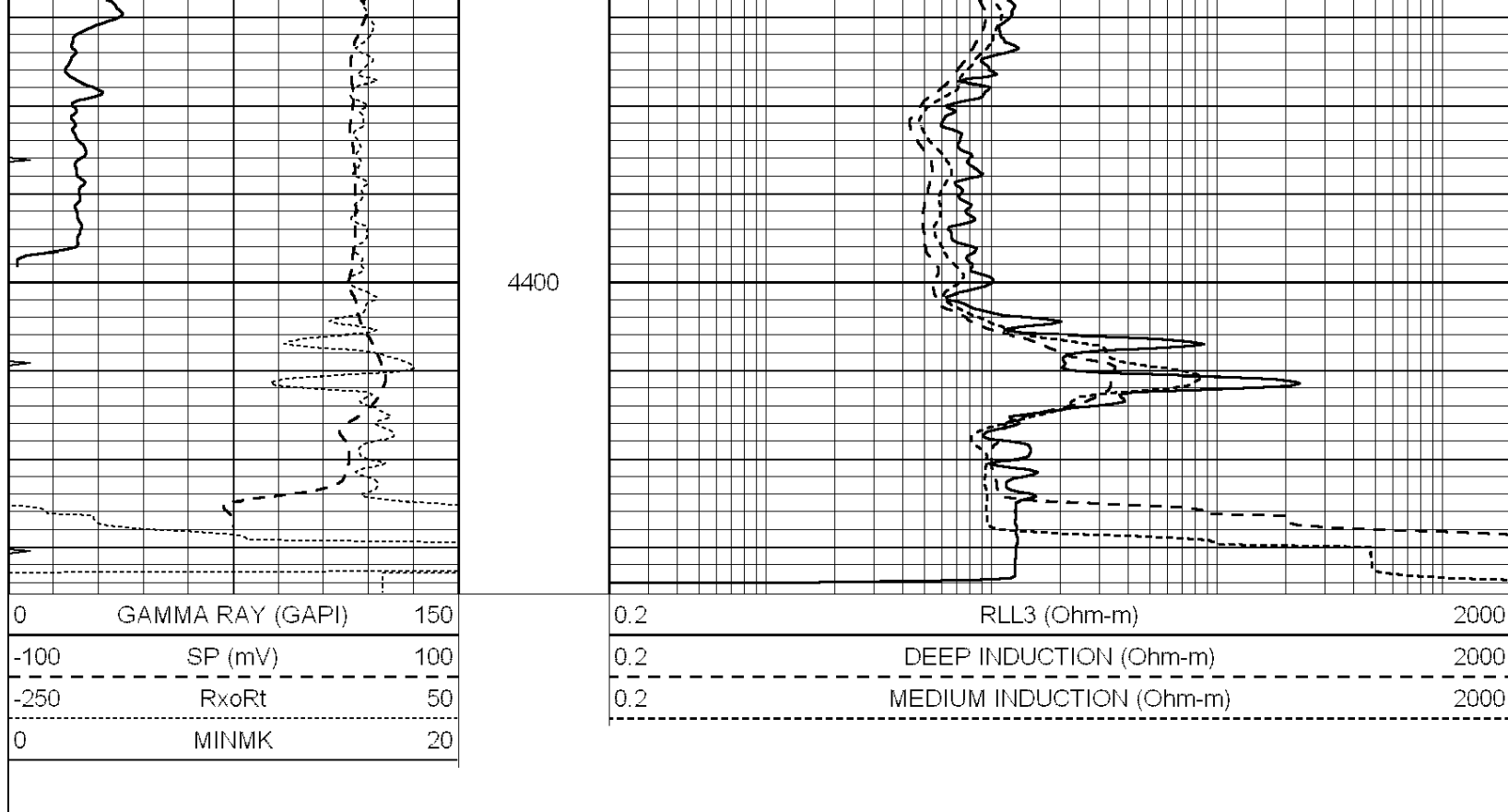
4200

4250

4300

4350





Calibration Report

Database File: 24144ddn.db
 Dataset Pathname: pass3.2
 Dataset Creation: Fri Apr 25 06:07:11 2014 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
 Performed: Fri Apr 18 20:58:05 2014

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	500.000	6.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	540.000	5.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	560.000	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	540.000	-4.000

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Fri Apr 18 18:53:26 2014

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1211.27	625.92	cps
Aluminum	2.590	g/cc	267.11	413.26	cps

Spine Angle = 74.64

Density/Spine Ratio = 0.561

Size

Reading

Small Ring	8.20	in	5.18	V
Large Ring	14.00	in	8.18	V
Compensated Neutron Calibration Report				
Serial Number:		080620		
Tool Model:		Probe		
PRE-SURVEY VERIFICATION				
Detector	Readings	Measured	Target	
Short Space	cps			
Long Space	cps	pu		pu
POST-SURVEY VERIFICATION				
Detector	Readings	Measured	Target	
Short Space	cps			
Long Space	cps	pu		pu
Gamma Ray Calibration Report				
Serial Number:	7			
Tool Model:	Probe1			
Performed:	Fri Apr 18 20:57:05 2014			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	0.4500	GAPI/cps		