

DUAL INDUCTION LOG

Company PALOMINO PETROLEUM, INC.
Well #1 TOMAHAWK
Field BUTTERFIELD-OVERLAND NORTH
County GOVE State KANSAS

Location: API #: 15-063-22406-00-00
436' FSL & 425' FEL

Permanent Datum SEC 20 TWP 14S RGE 30W
Log Measured From GROUND LEVEL Elevation 2800
Drilling Measured From KELLY BUSHING 11' A.G.L. KELLY BUSHING

Other Services
CDL/CNL
MEL
Elevation
K.B. 2811
D.F. 2809
G.L. 2800

Date	5/20/22		
Run Number	ONE		
Depth Driller	4620		
Depth Logger	4621		
Bottom Logged Interval	4619		
Top Log Interval	00		
Casing Driller	8 5/8"@214'		
Casing Logger	230		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3400 PPM	
Density / Viscosity	9.4/62		
pH / Fluid Loss	11.0/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.70@65F		
Rmf @ Meas. Temp	1.28@65F		
Rmc @ Meas. Temp	2.04@65F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.906@122F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	10:30 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN	TJ DREILING	
Witnessed By	RYAN SEIB		

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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

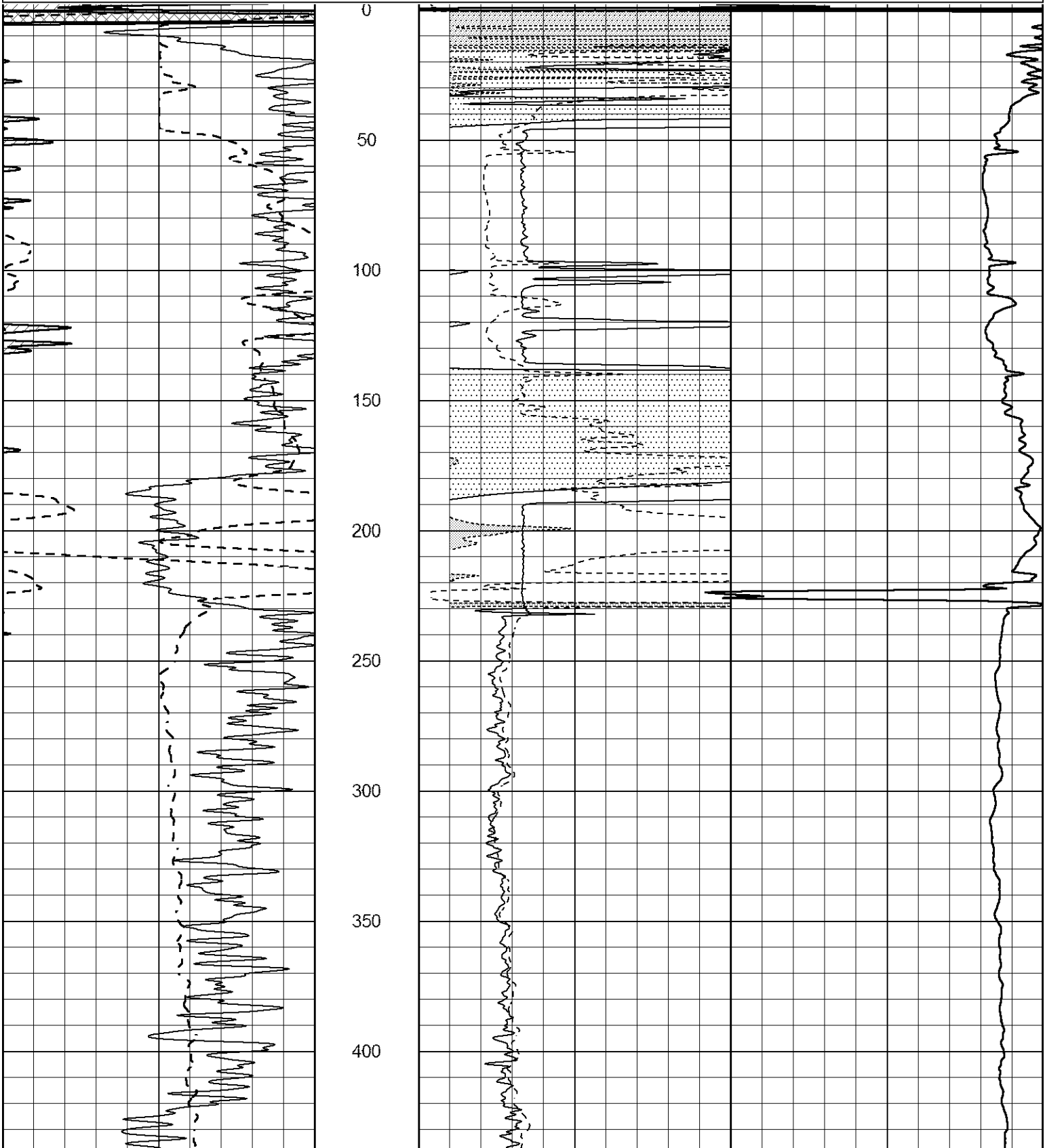
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
GOVE KS. SOUTH TO ROAD I, WEST 9 MILES, NORTH INTO

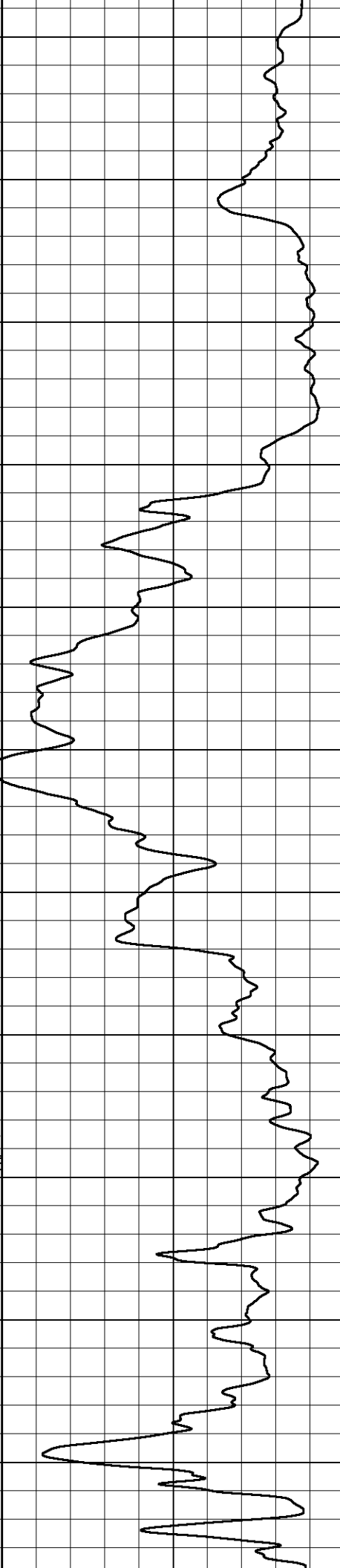
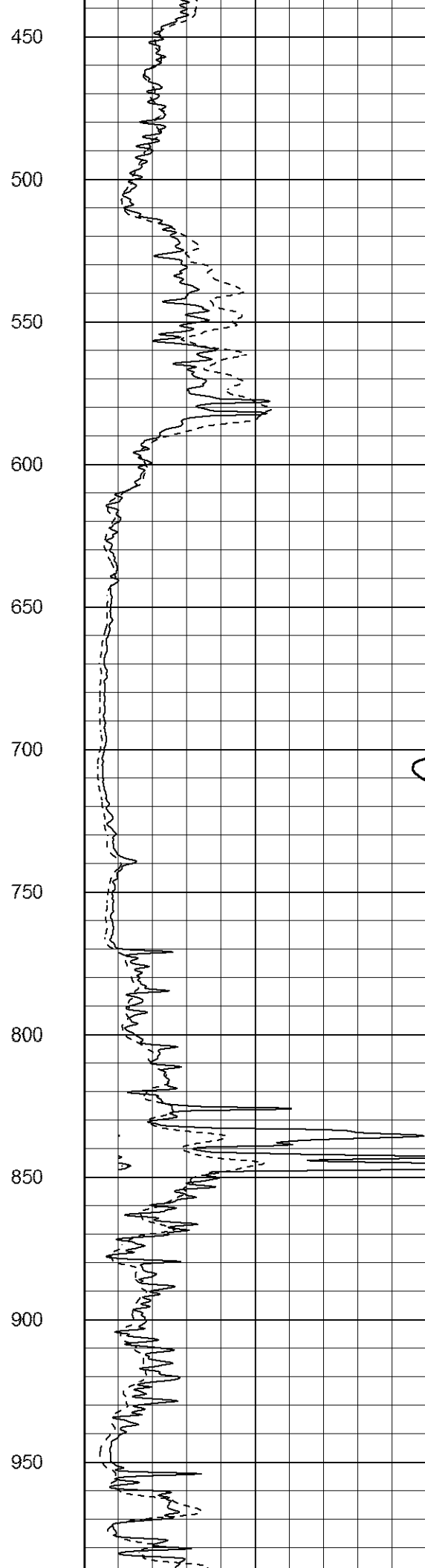
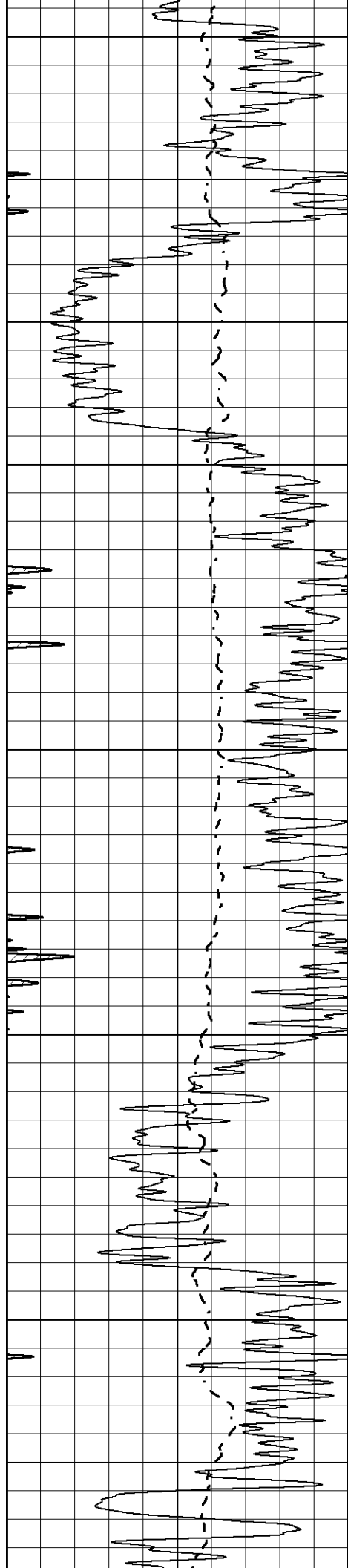


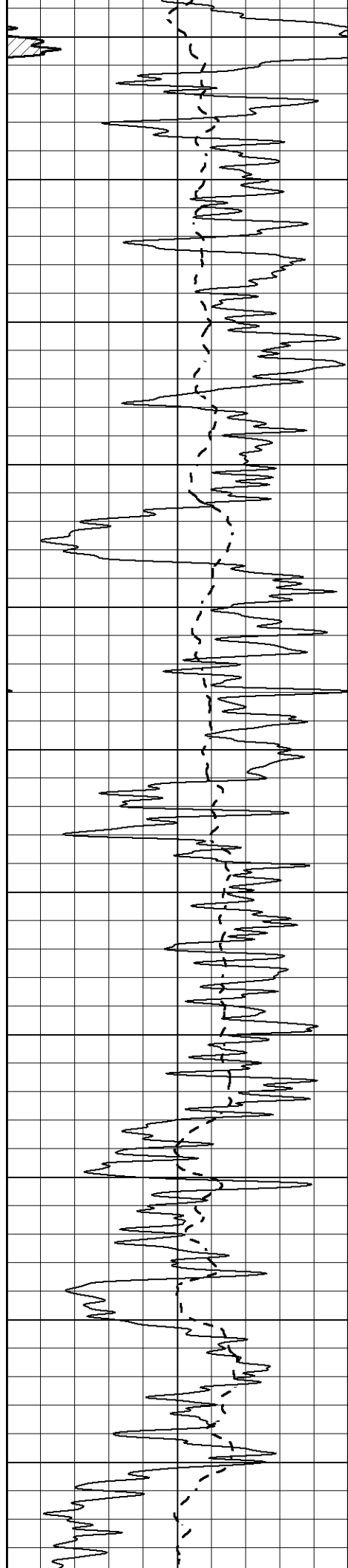
MAIN SECTION

Database File	6531.db
Dataset Pathname	pass4.3M
Presentation Format	_dil2
Dataset Creation	Sat May 21 01:16:52 2022
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

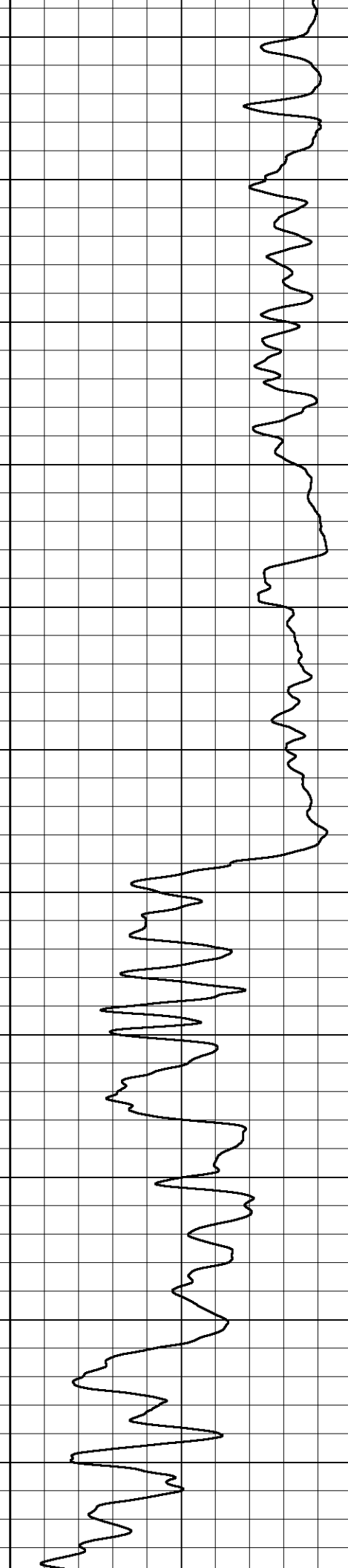
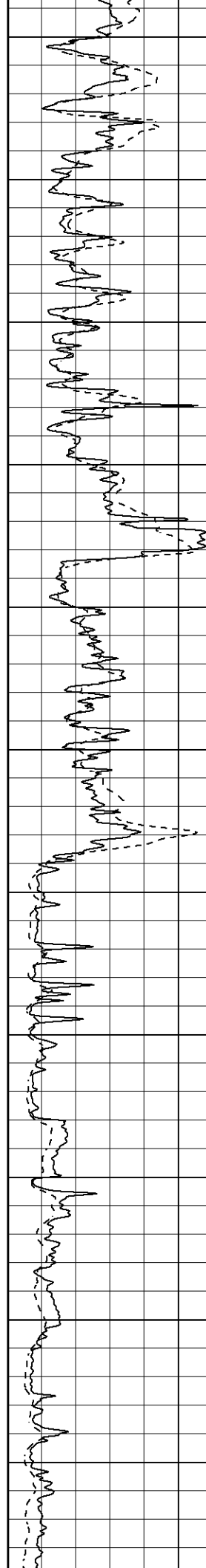
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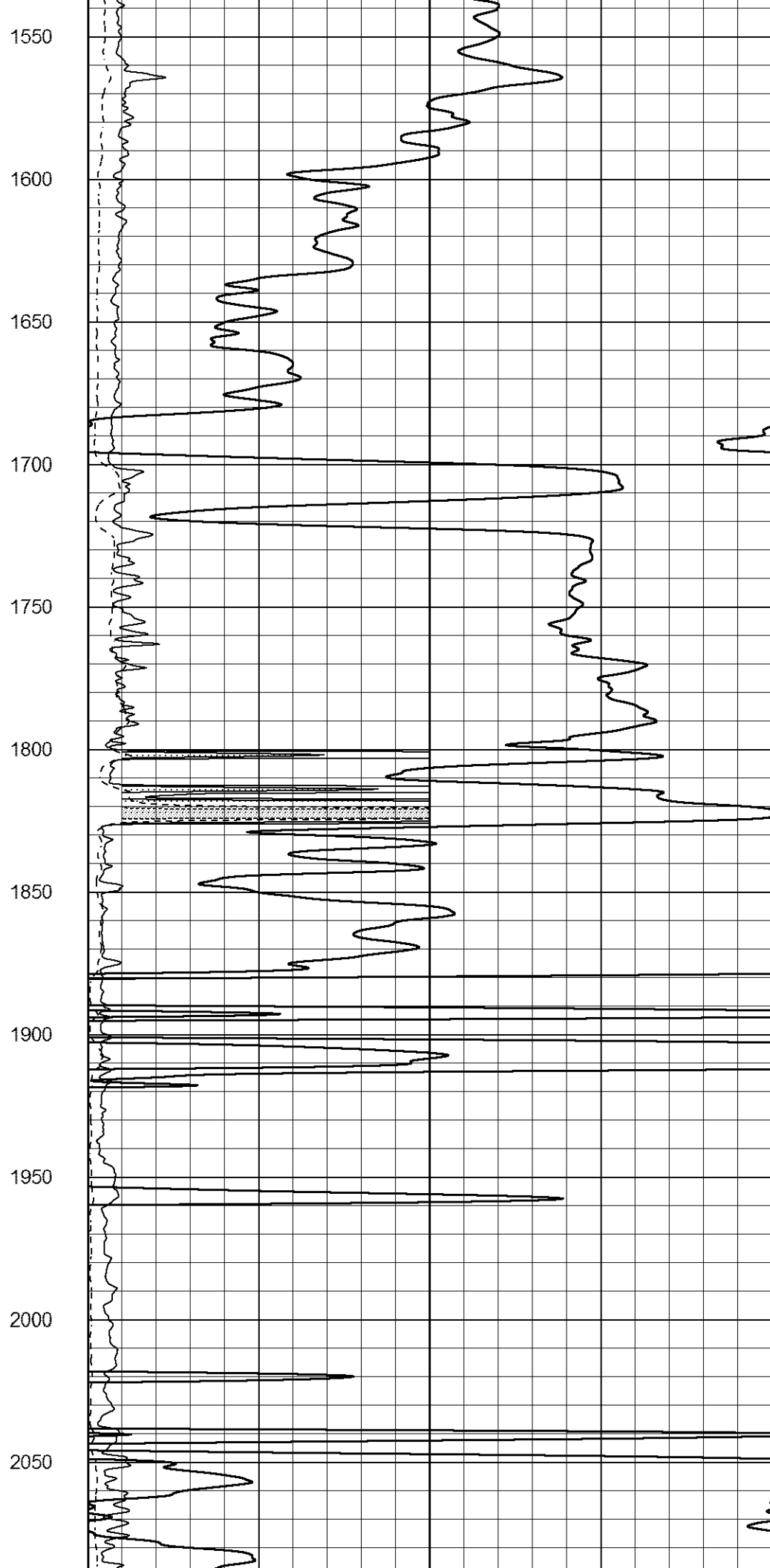
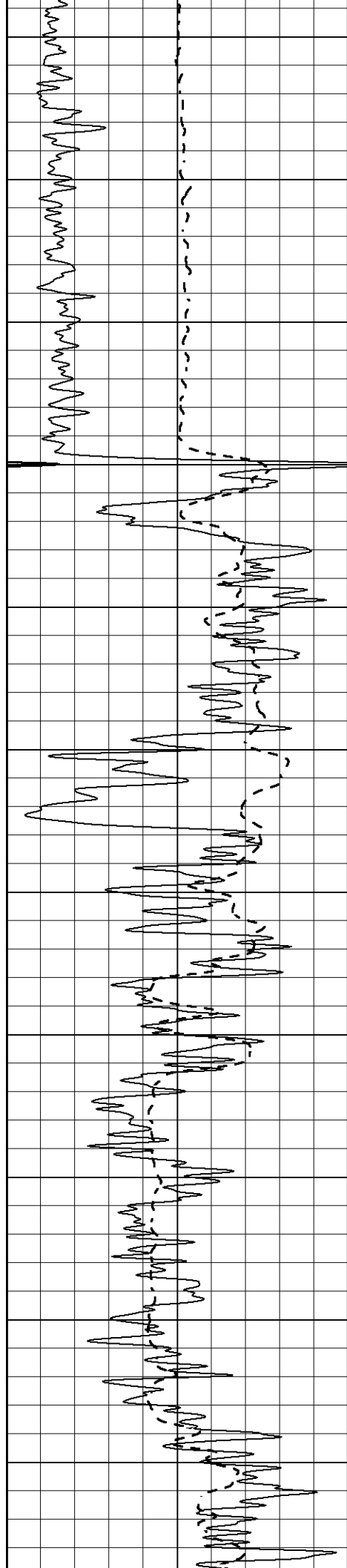
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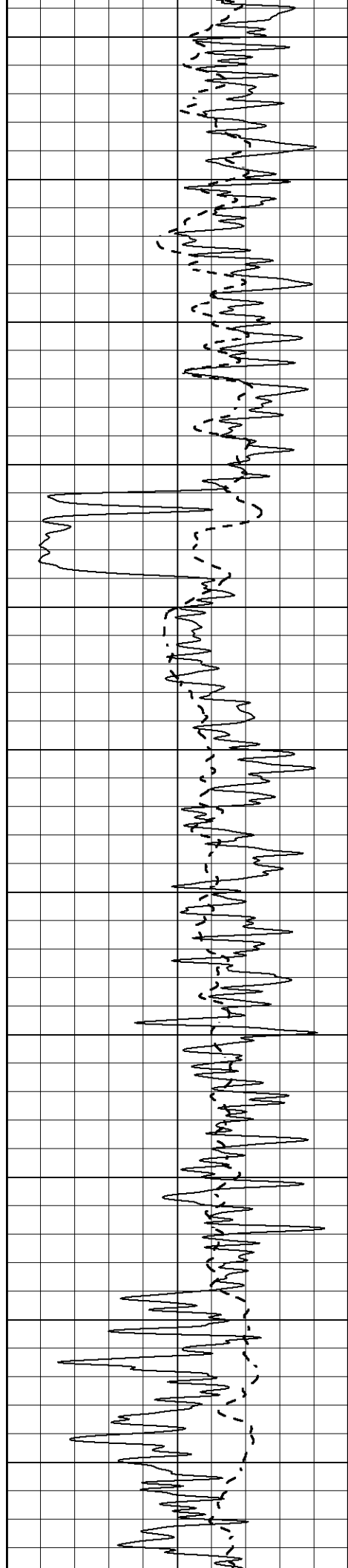
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1450

1500







2100

2150

2200

2250

2300

2350

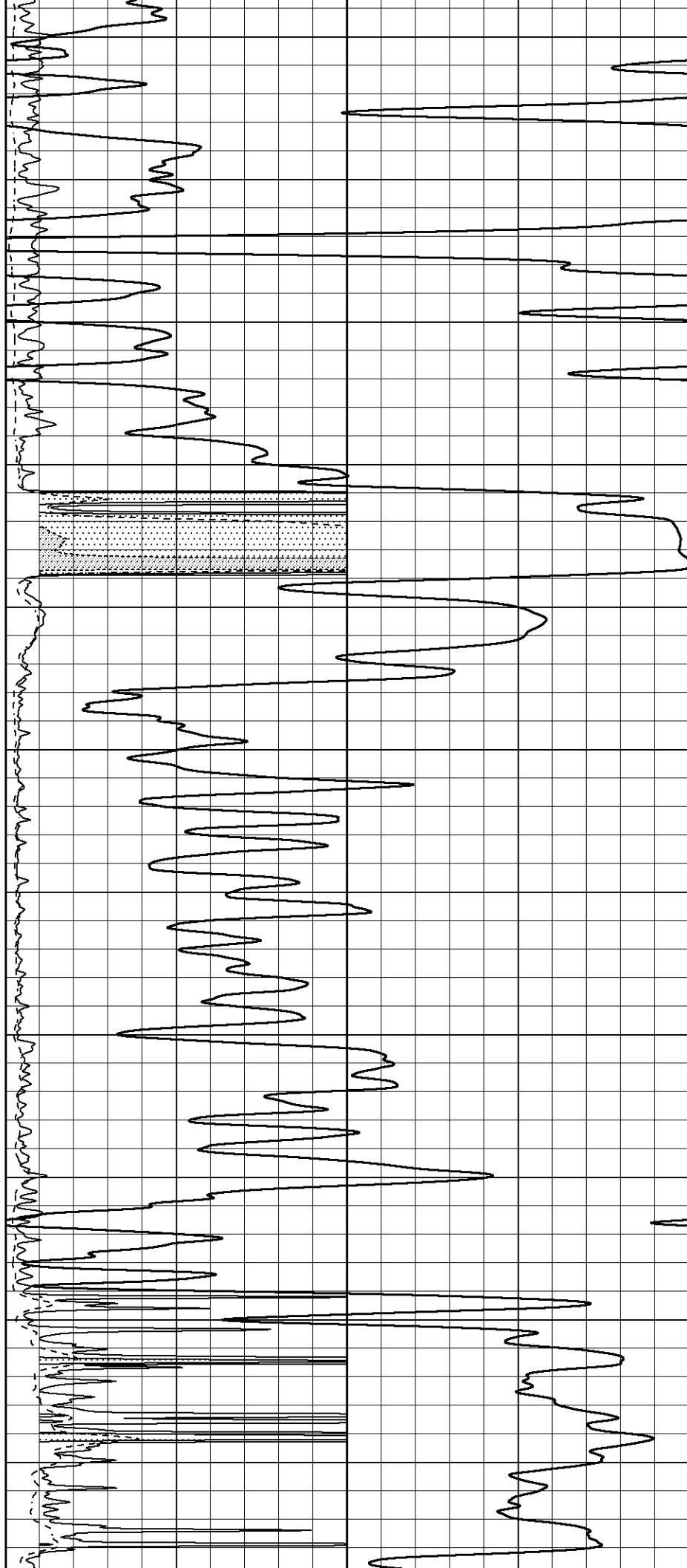
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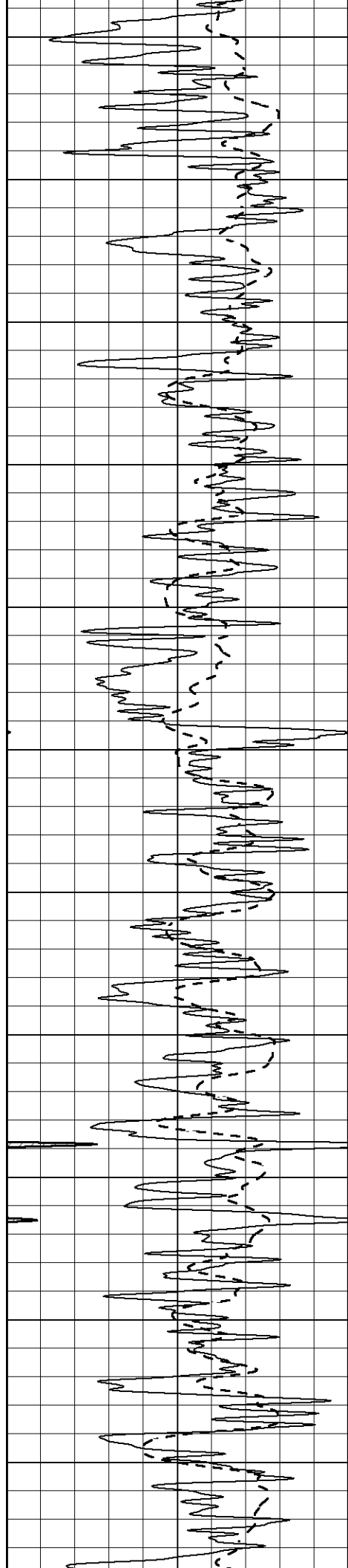
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2500

2550

2600





2650

2700

2750

2800

2850

2900

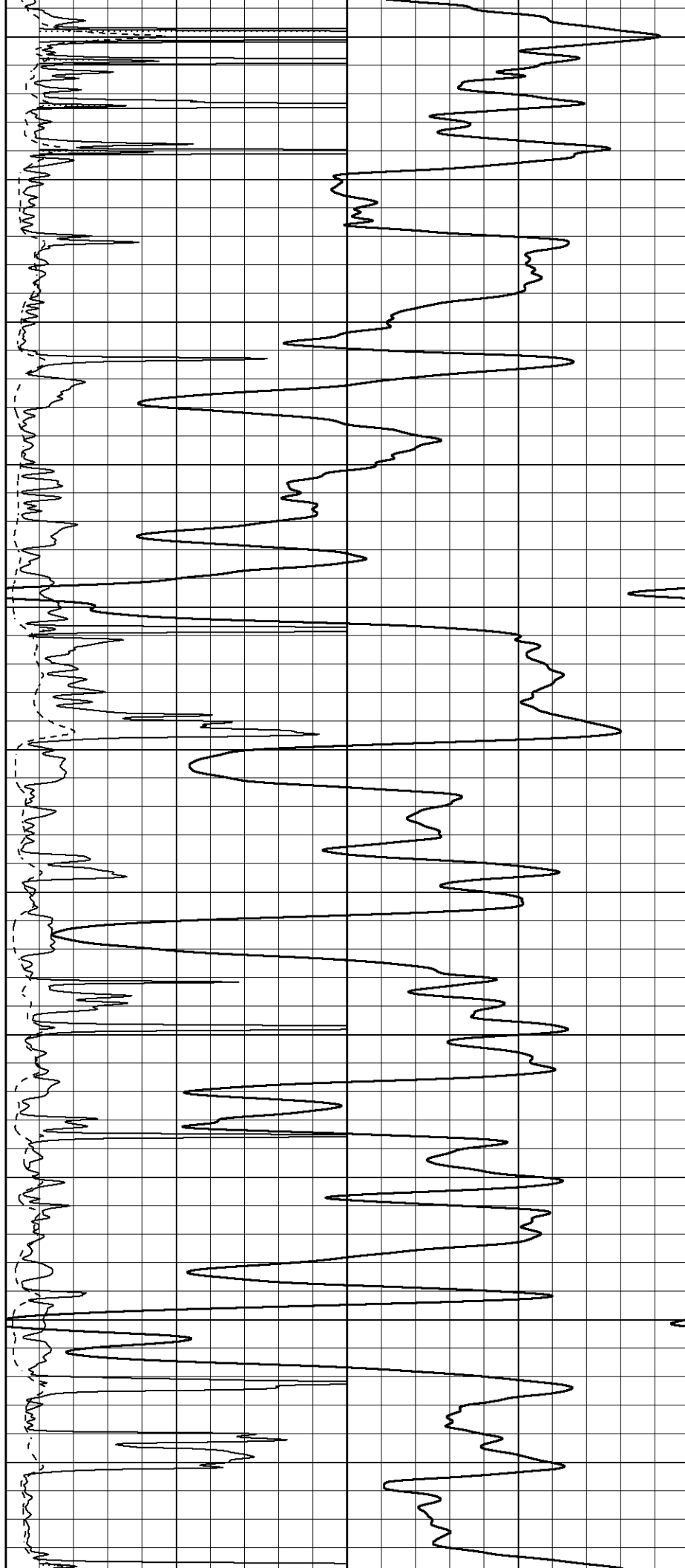
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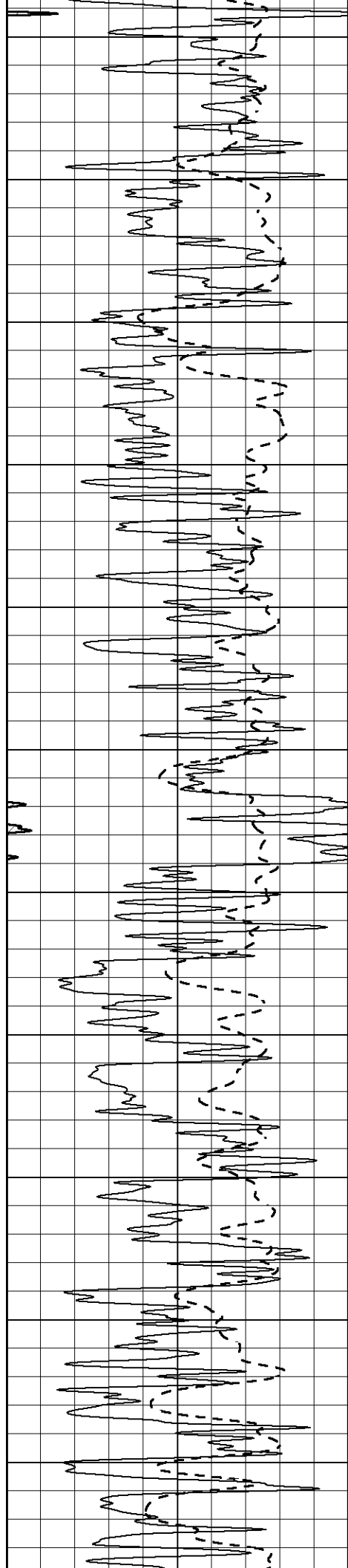
3000

3050

3100

3150





3200

3250

3300

3350

3400

3450

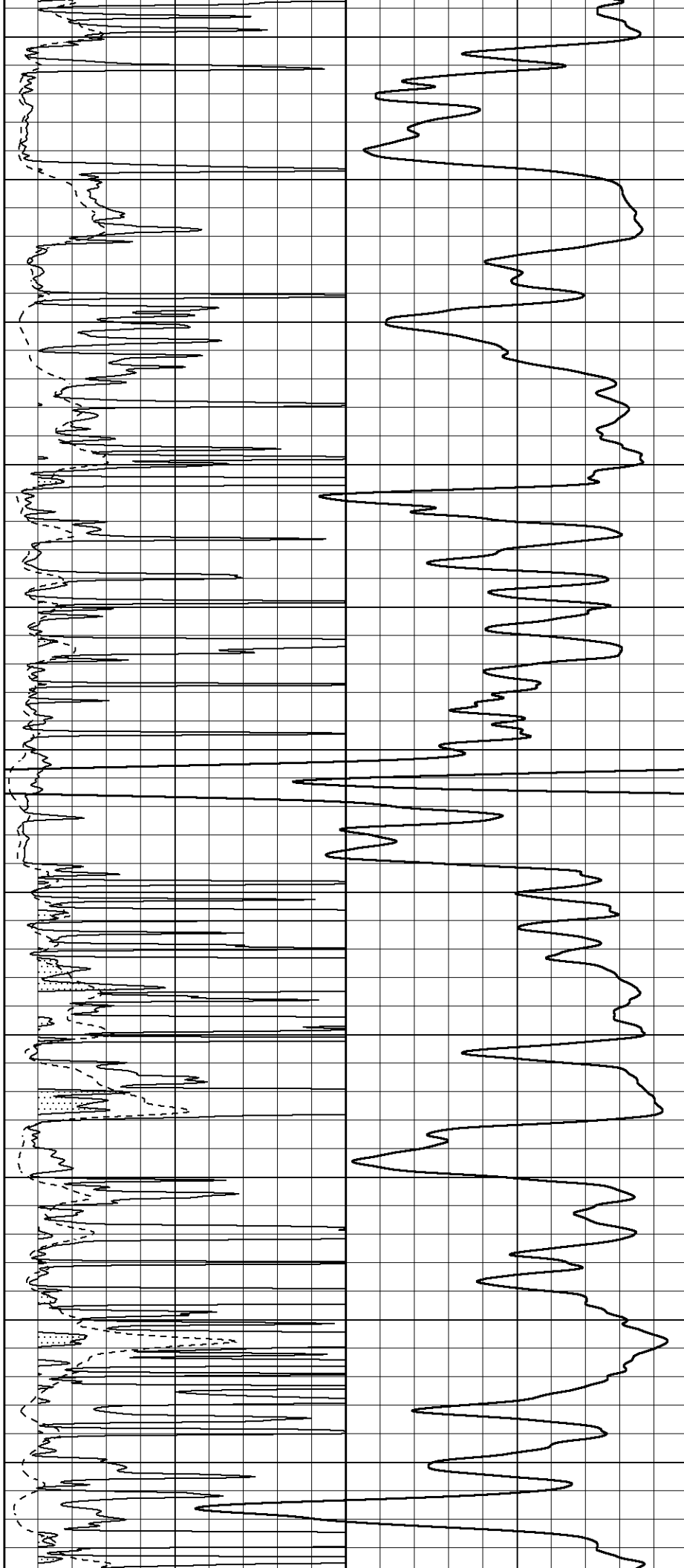
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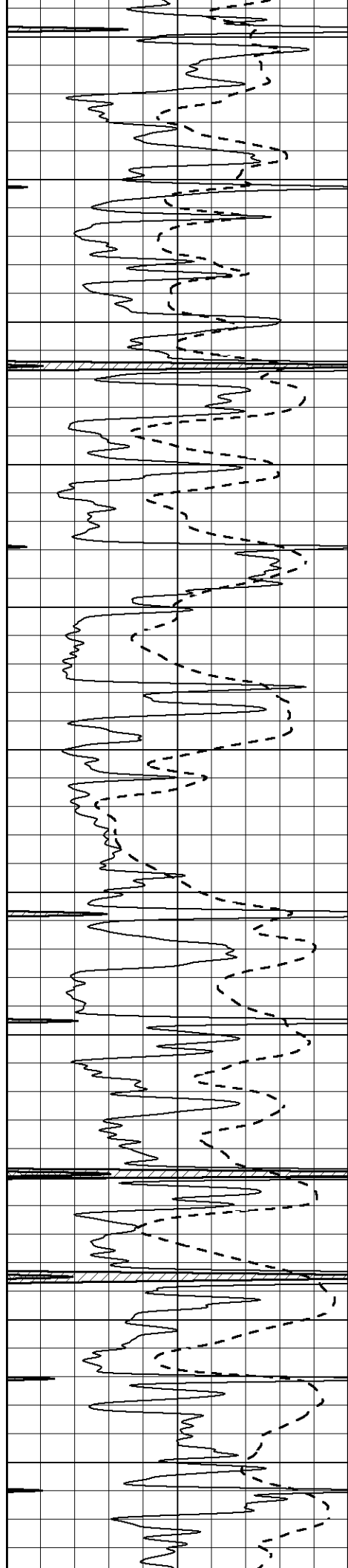
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3600

3650

3700





3750

3800

3850

3900

3950

4000

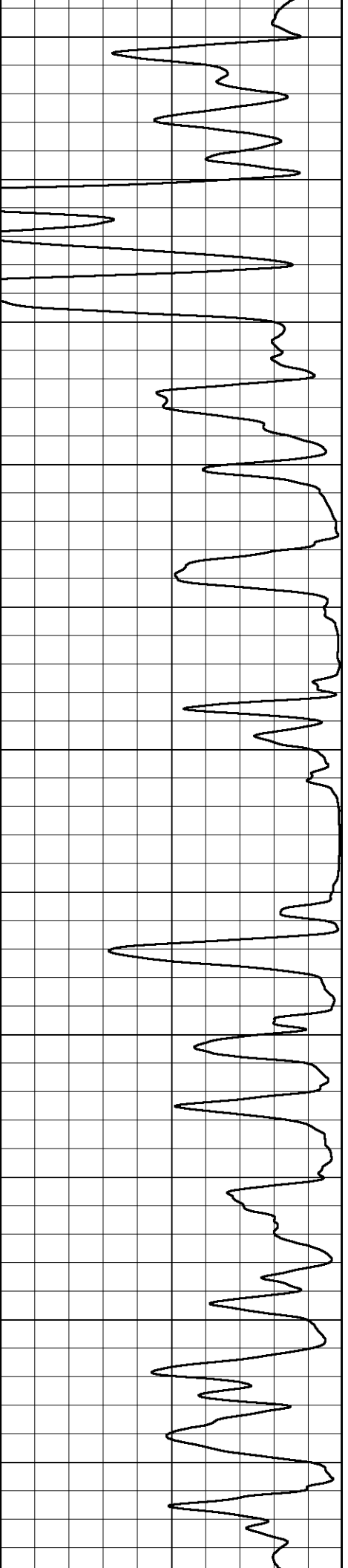
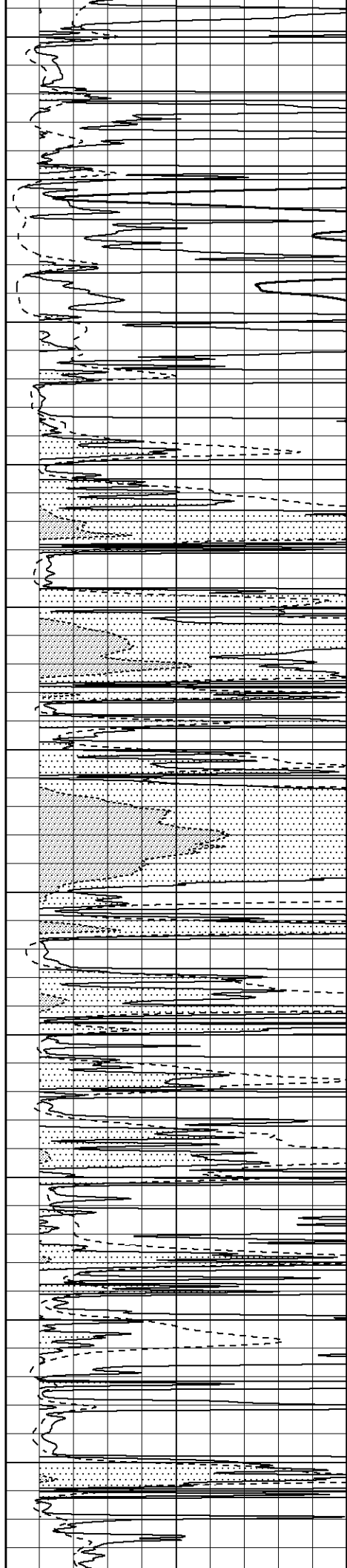
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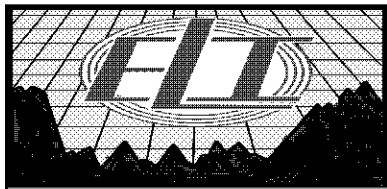
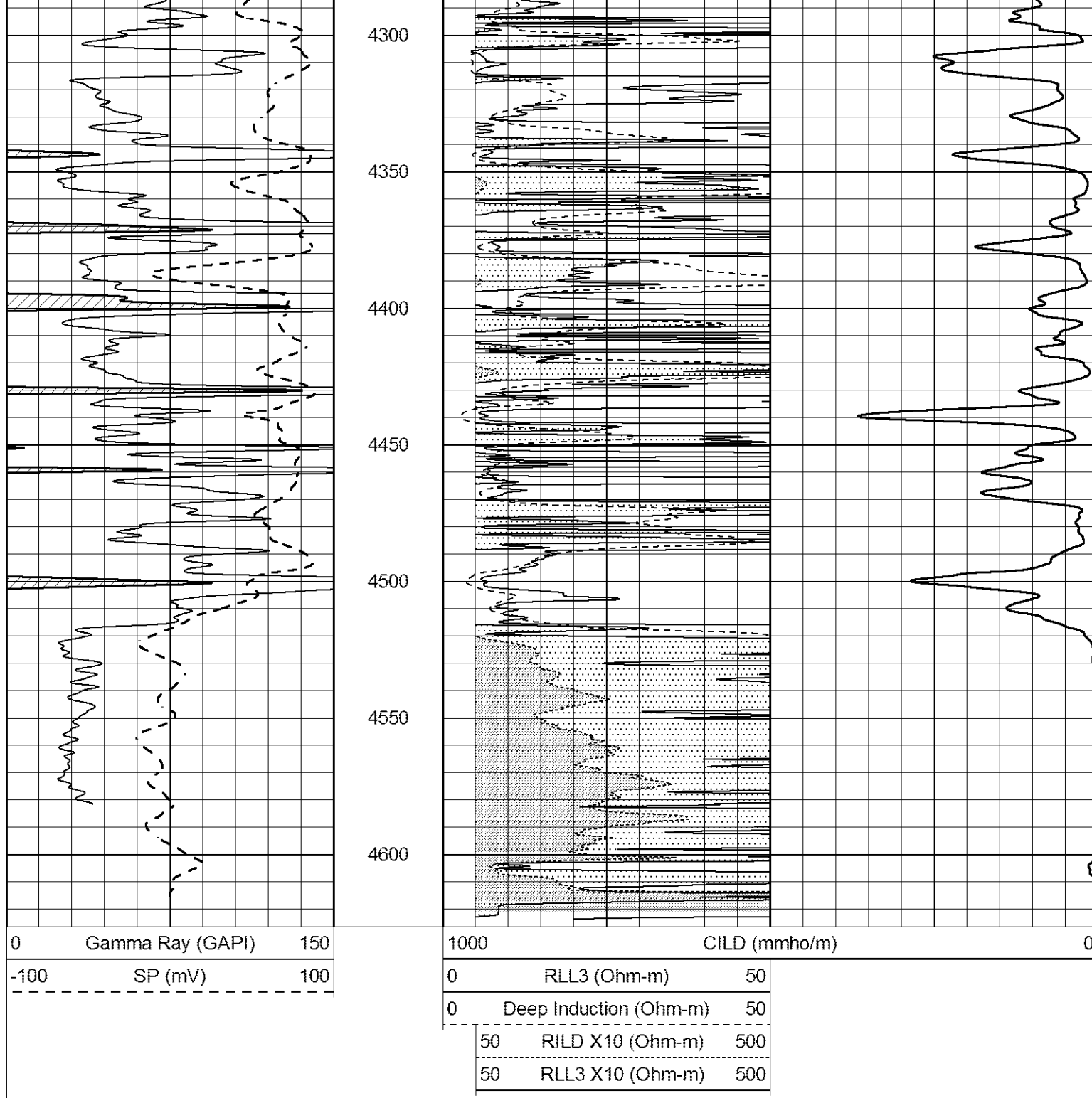
4100

4150

4200

4250

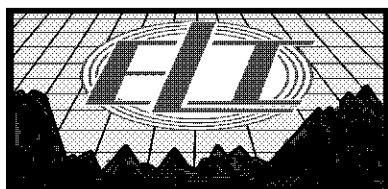
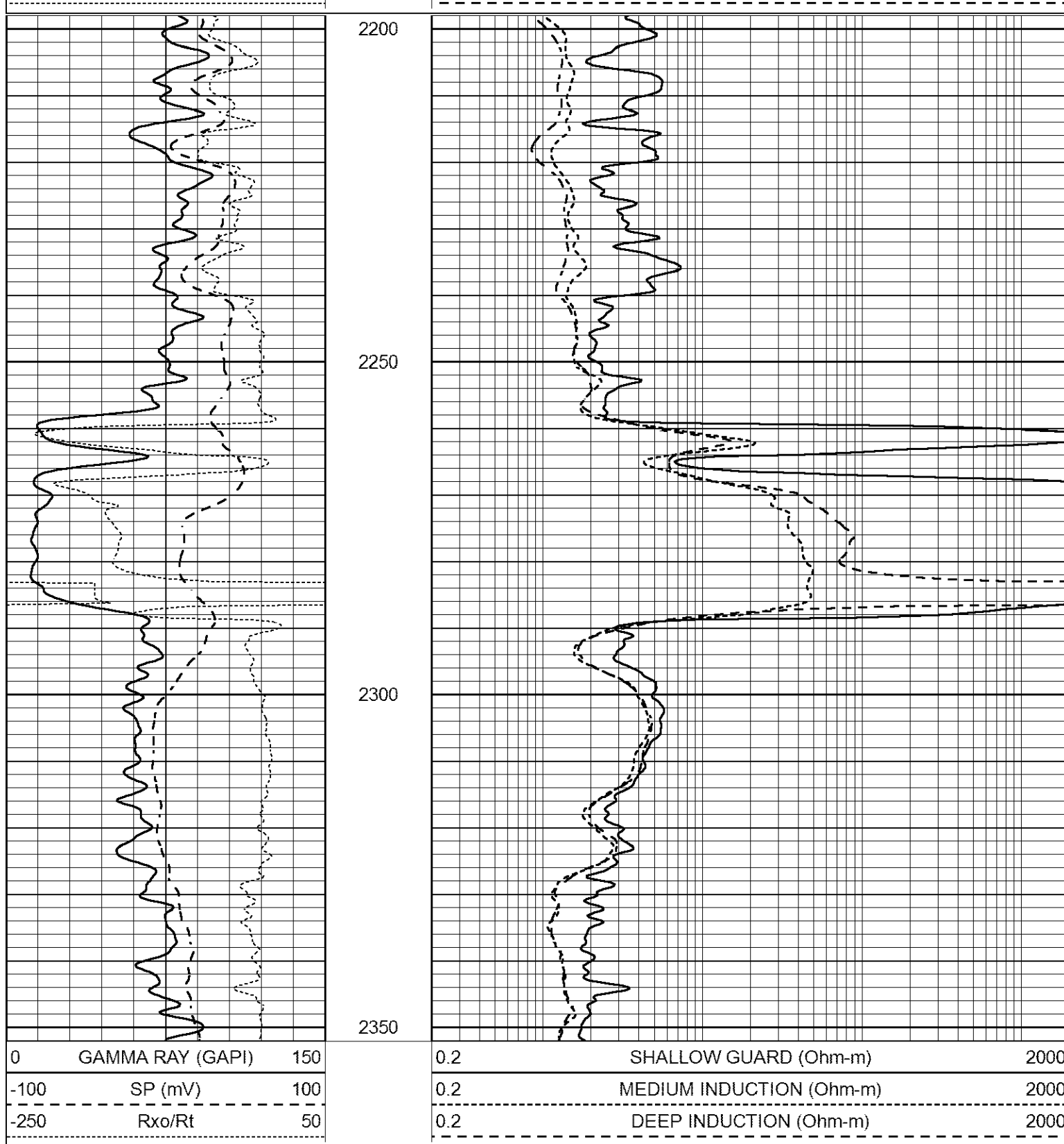




ANHYDRITE

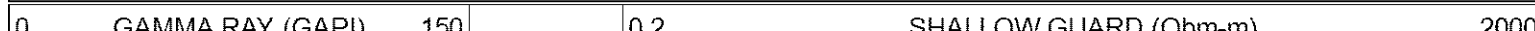
Database File 6531.db
Dataset Pathname pass4.1A
Presentation Format _dil
Dataset Creation Sat May 21 00:24:18 2022
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000

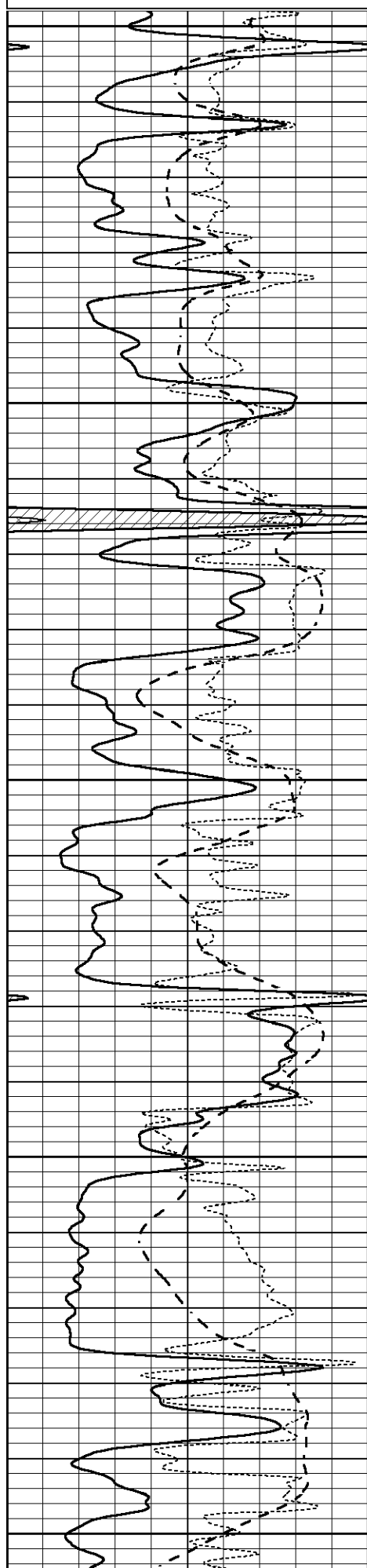


MAIN SECTION

Database File 6531.db
Dataset Pathname pass4.3M
Presentation Format _dil
Dataset Creation Sat May 21 01:16:52 2022
Charted by Depth in Feet scaled 1:240



0	SP (mV)	100
-100		
-250	Rxo/Rt	50



3800

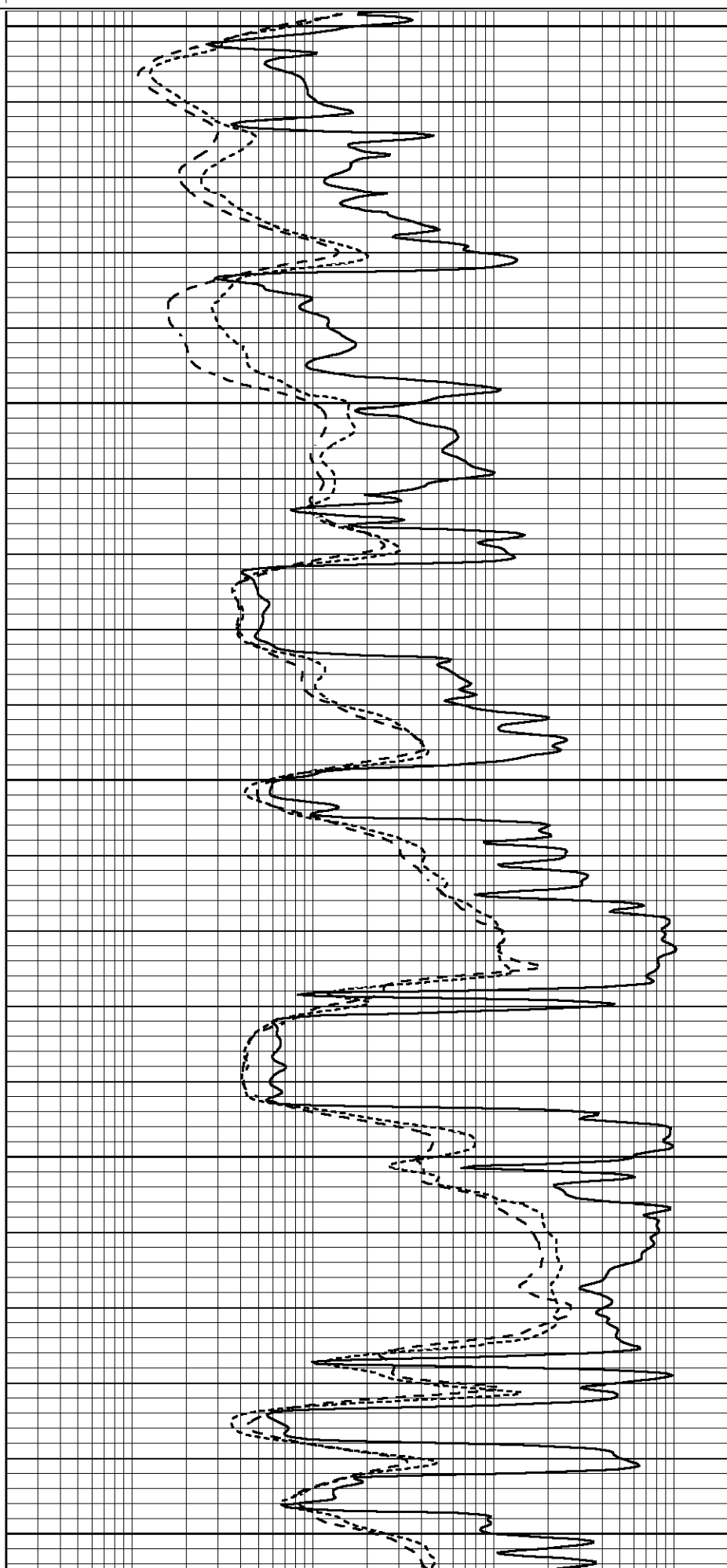
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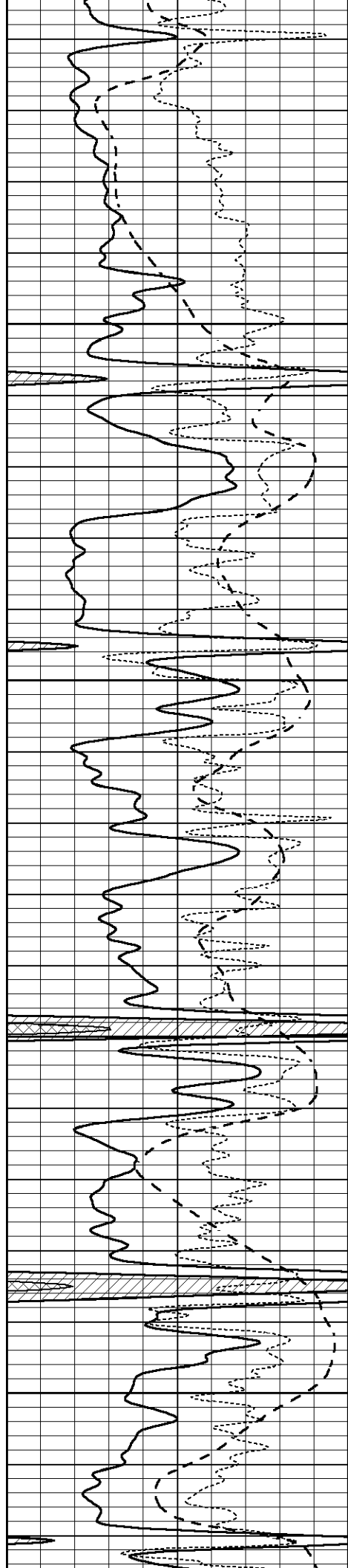
3900

3950

4000

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



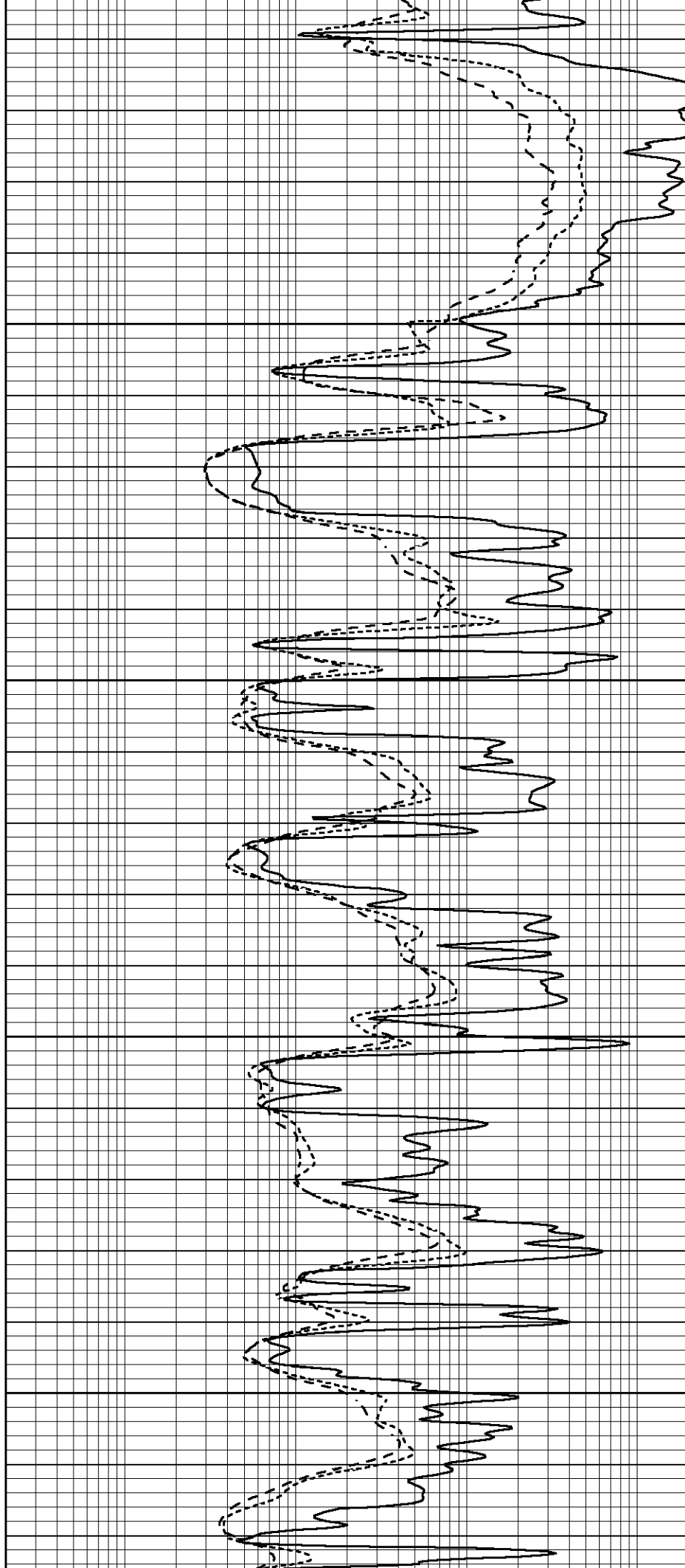


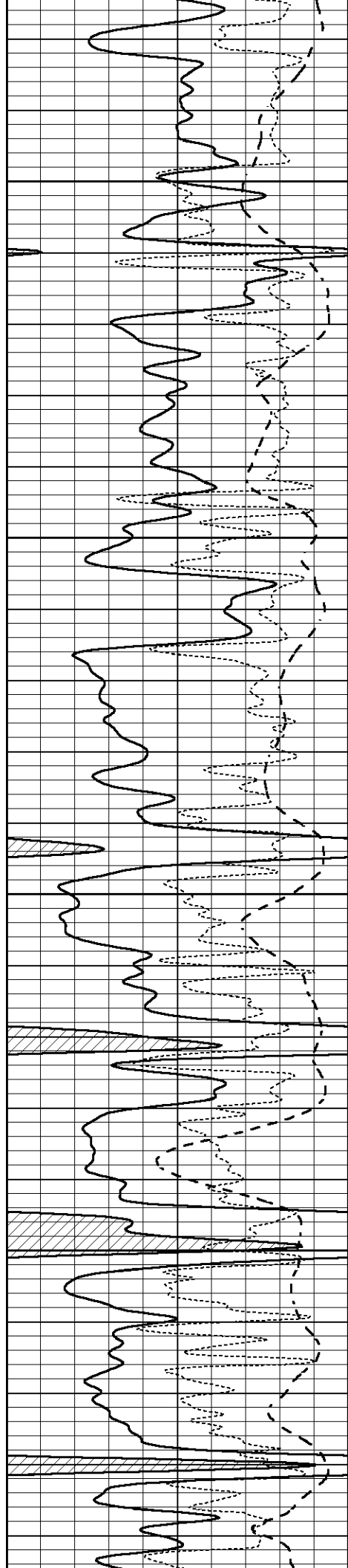
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4100

4150

4200



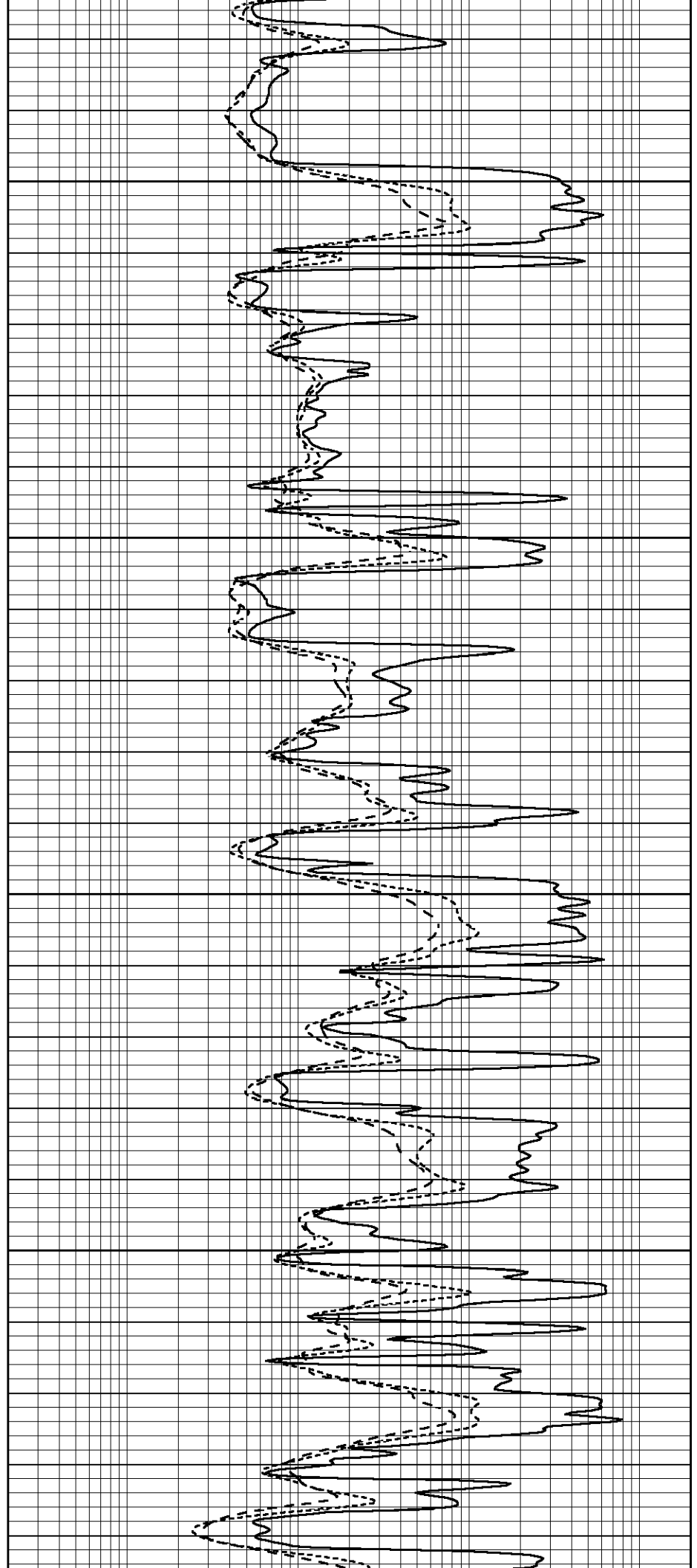


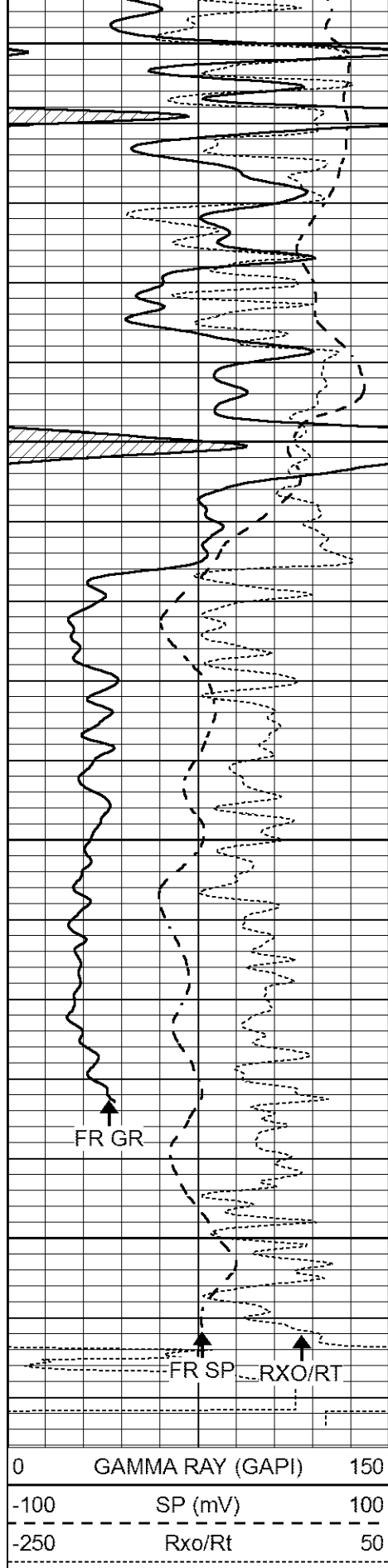
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4300

4350

4400





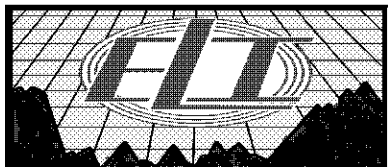
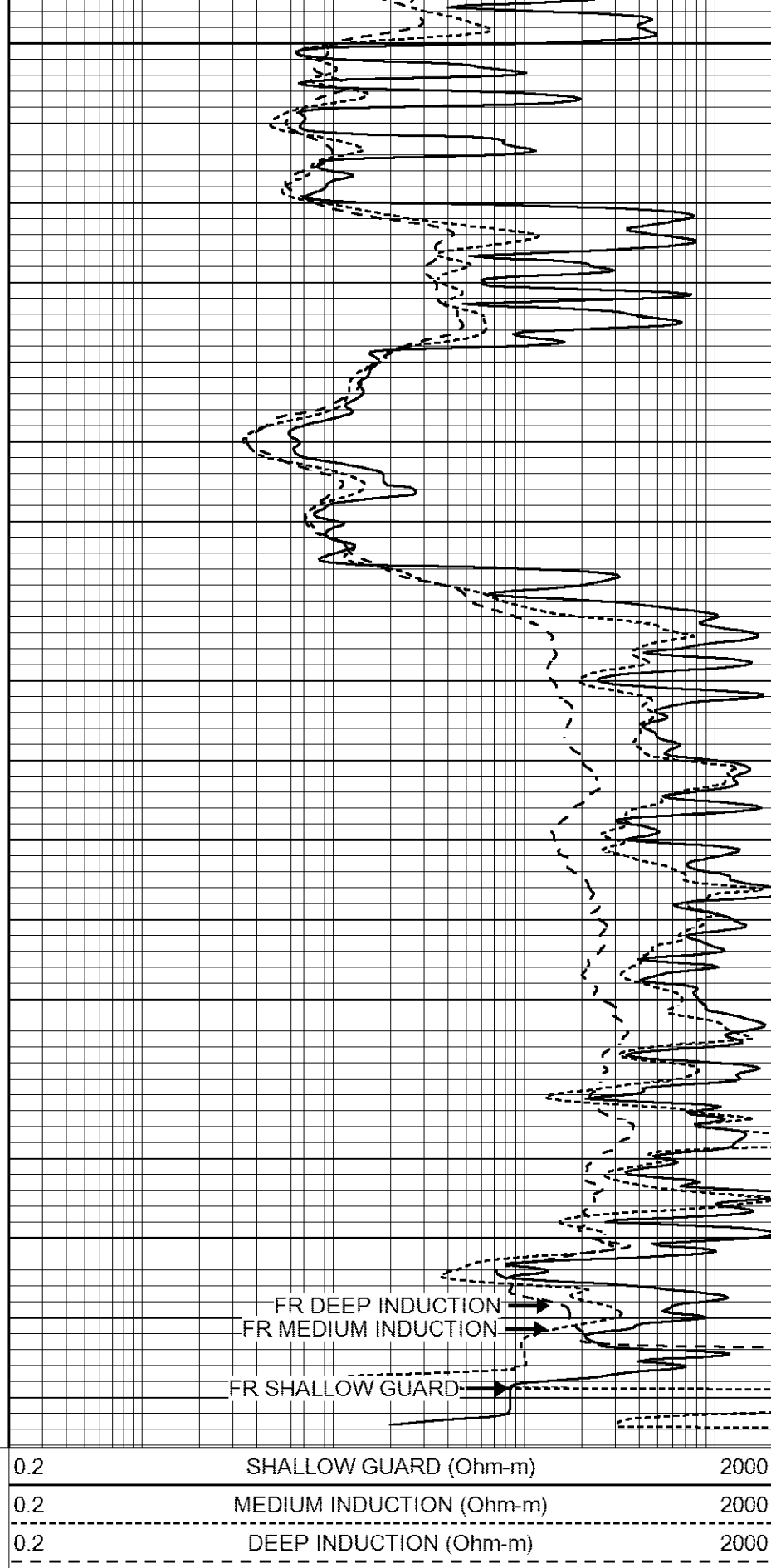
4450

4500

4550

4600

LTD 4621

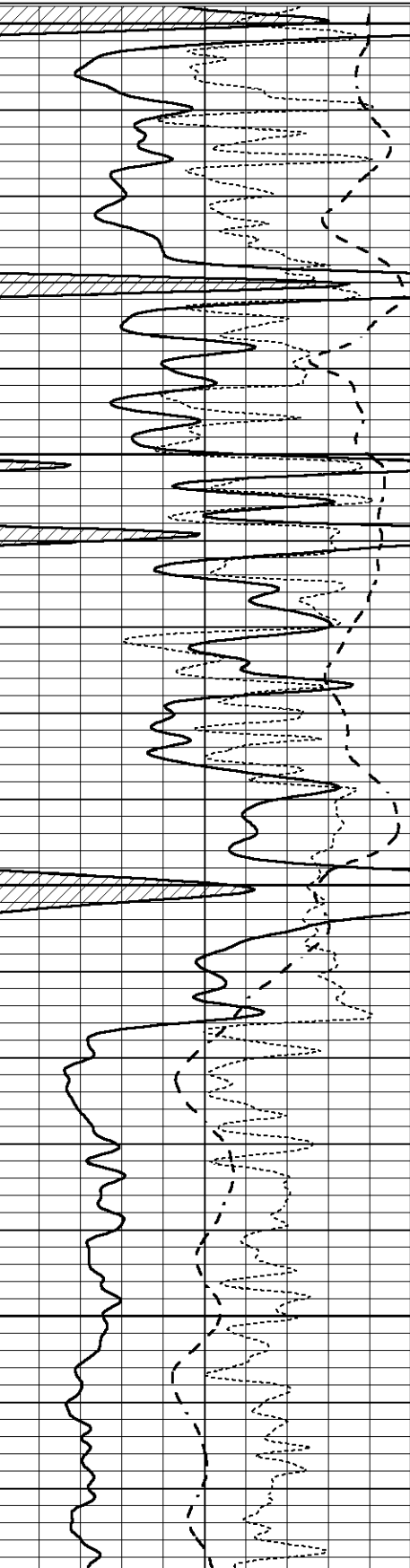


REPEAT SECTION

Database File 6531.db
Dataset Pathname pass3.15R
Presentation Format _dil
Dataset Creation Sat May 21 01:32:01 2022
Charted by Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150
-100 SP (mV) 100
-250 Rxo/Rt 50

0.2 SHALLOW GUARD (Ohm-m) 2000
0.2 MEDIUM INDUCTION (Ohm-m) 2000
0.2 DEEP INDUCTION (Ohm-m) 2000

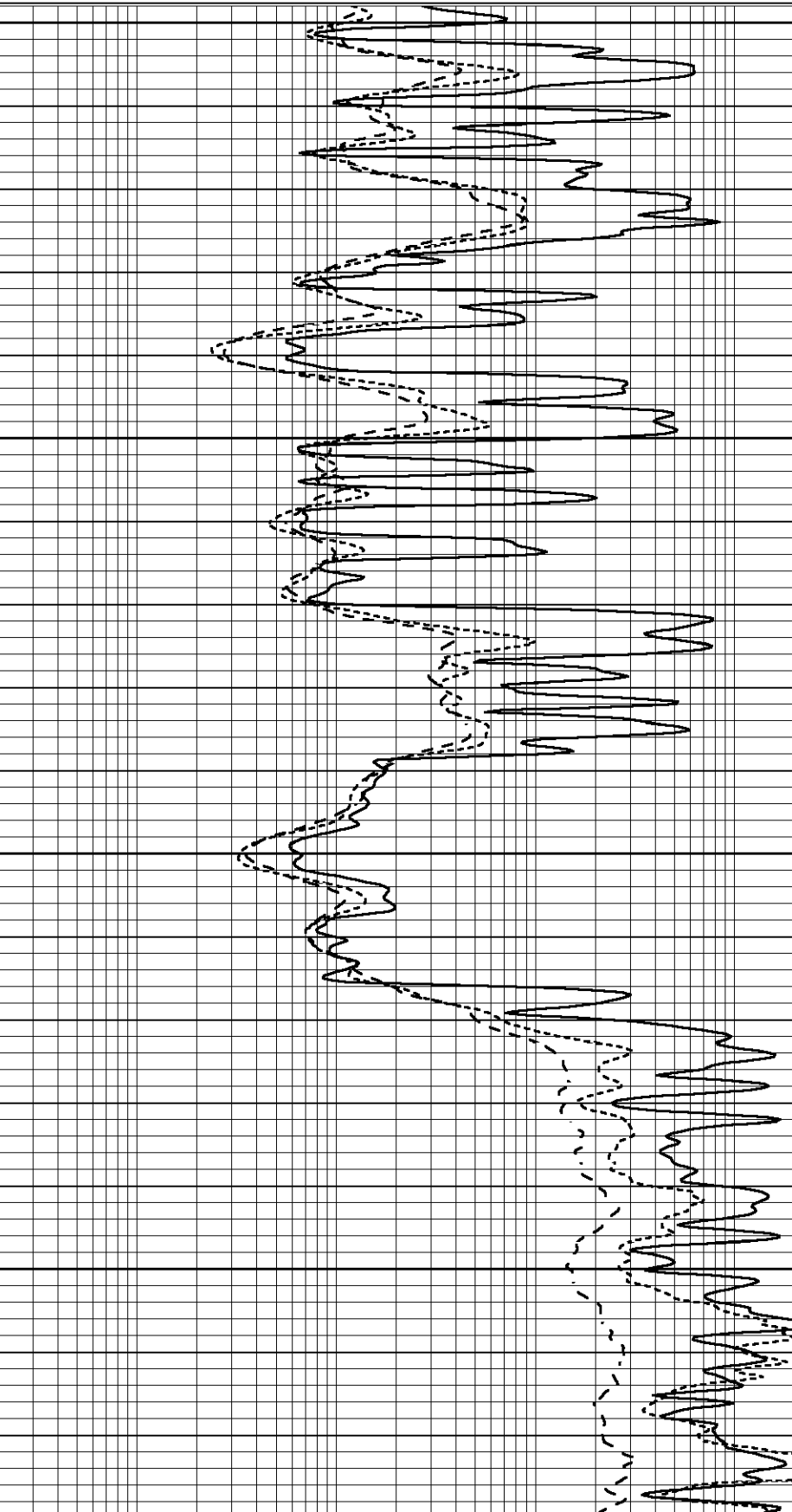


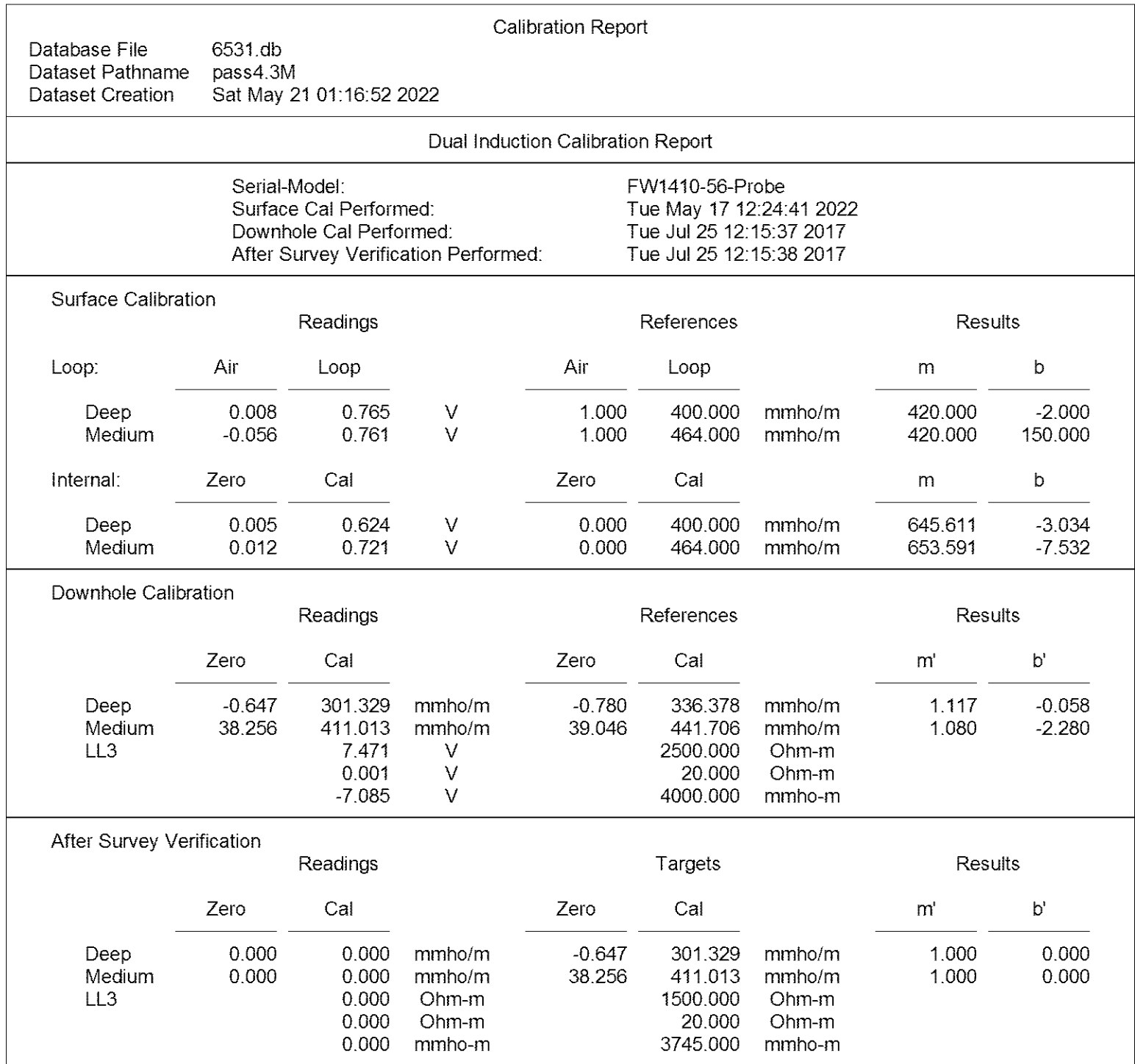
4400

4450

4500

4550





Master Calibration Performed: Fri May 20 15:54:05 2022

	Background	Aluminum	Magnesium		
Window 1	526.62	5342.09	23673.50	cps	
Window 2	45.76	1193.75	5754.52	cps	
Window 4	230.46	1217.66	5226.53	cps	
Window 5	528.28	9006.51	17231.14	cps	
Window 6	46.79	1299.69	2564.97	cps	
Window 8	249.94	3018.13	5689.52	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8490	SS Alpha:	: -0.7728	LS CPE:	: 1.1631
LS Beta:	: 124487.1845	SS Beta:	: 21517.8265	SS CPE:	: 1.8557

Before Survey Background Counts Verification Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration Performed: Fri May 20 15:54:05 2022

Results	Readings	References (in)		Gain	Offset
Low	High	Low	High		
6574.2	3369.6	7.0	14.0	-0.0	22.2

Before Survey Caliper Verification Performed:

Reference	Reading
_____	_____
Caliper (in)	

After Survey Caliper Verification Performed:

Reference	Reading
_____	_____
Caliper (in)	

Serial Number:	080621PMC
Tool Model:	NABORS

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:	Tue May 17 12:24:57 2022
Calibrator Value:	1.0
Background Reading:	0.0
Calibrator Reading:	1.0
Sensitivity:	0.6900