



DUAL INDUCTION LOG

Company SHELBY RESOURCES, LLC.

Well WFYOG #3-3

Field

County PAWNEE

State KANSAS

Location: API # : 15-145-21865-0000

1685' FNL & 1845' FWL

SEC 3 TWP 22S RGE 16W

Permanent Datum GROUND LEVEL Elevation 1988
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
MEL/SON
Elevation
K.B. 1999
D.F. 1997
G.L. 1988

Date 2/7/21

Run Number ONE

Depth Driller 3975

Depth Logger 3976

Bottom Logged Interval 3974

Top Log Interval 00

Casing Driller 8 5/8" @ 983

Casing Logger 983

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.4/58

pH / Fluid Loss 10.0/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .60 @ 50F

Rmf @ Meas. Temp .45 @ 50F

Rmc @ Meas. Temp .72 @ 50F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .25 @ 116F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 116F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By JEREMY SCHWARTZ

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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

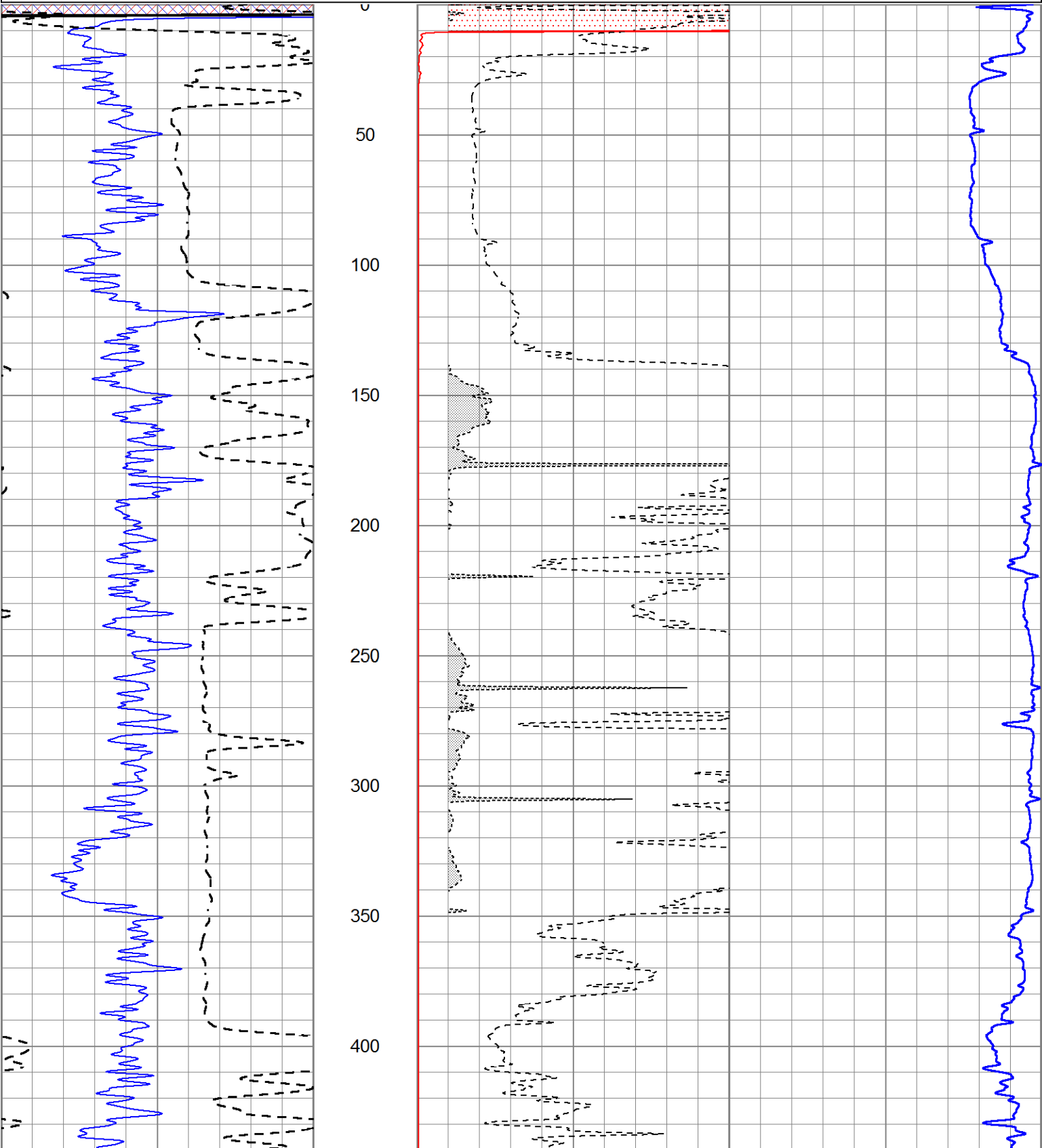
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
LARNED, KS. - AT K 56 & HWY 19 EAST TO RD. 100 - SOUTH TO THE T
SOUTH & EAST INTO THROUGH WHITE GATES

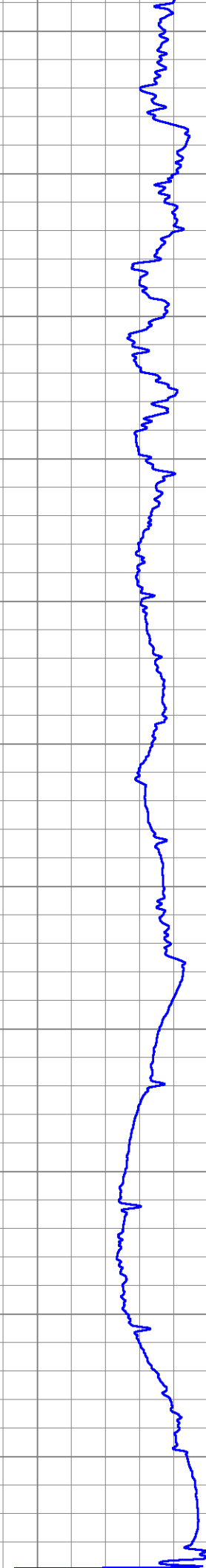
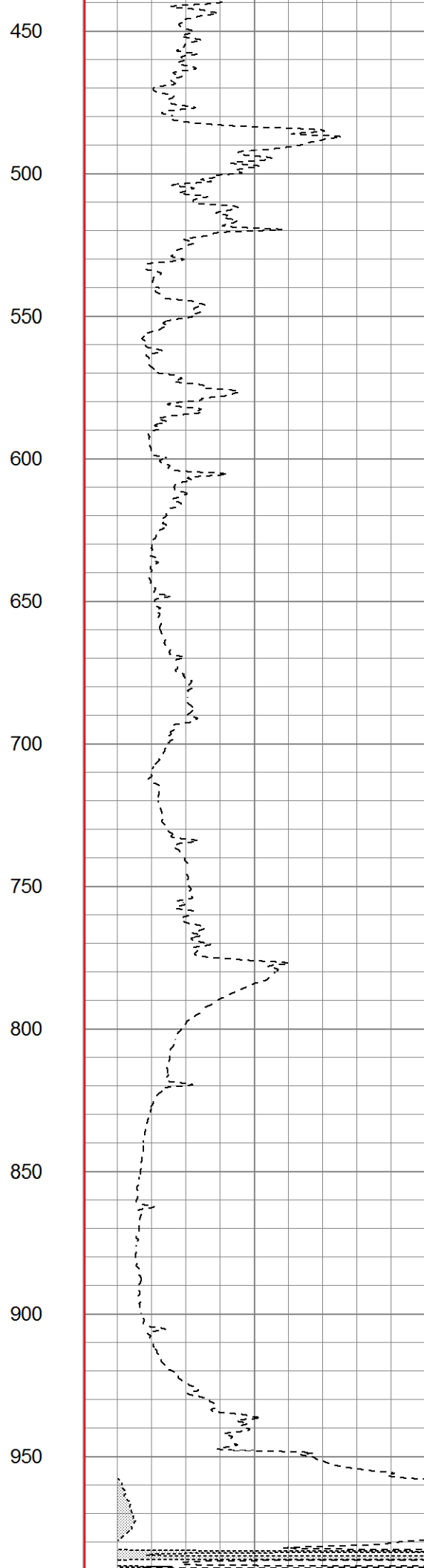
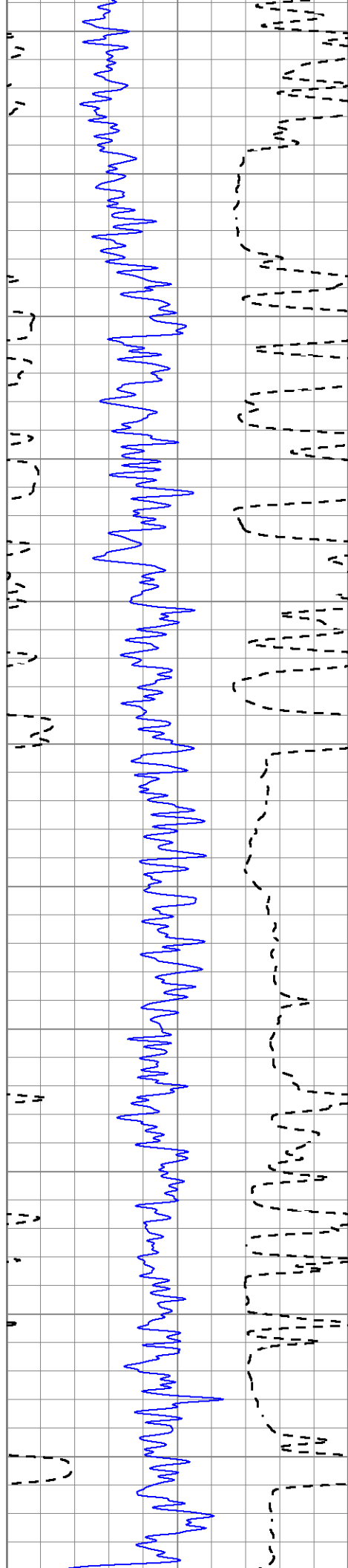


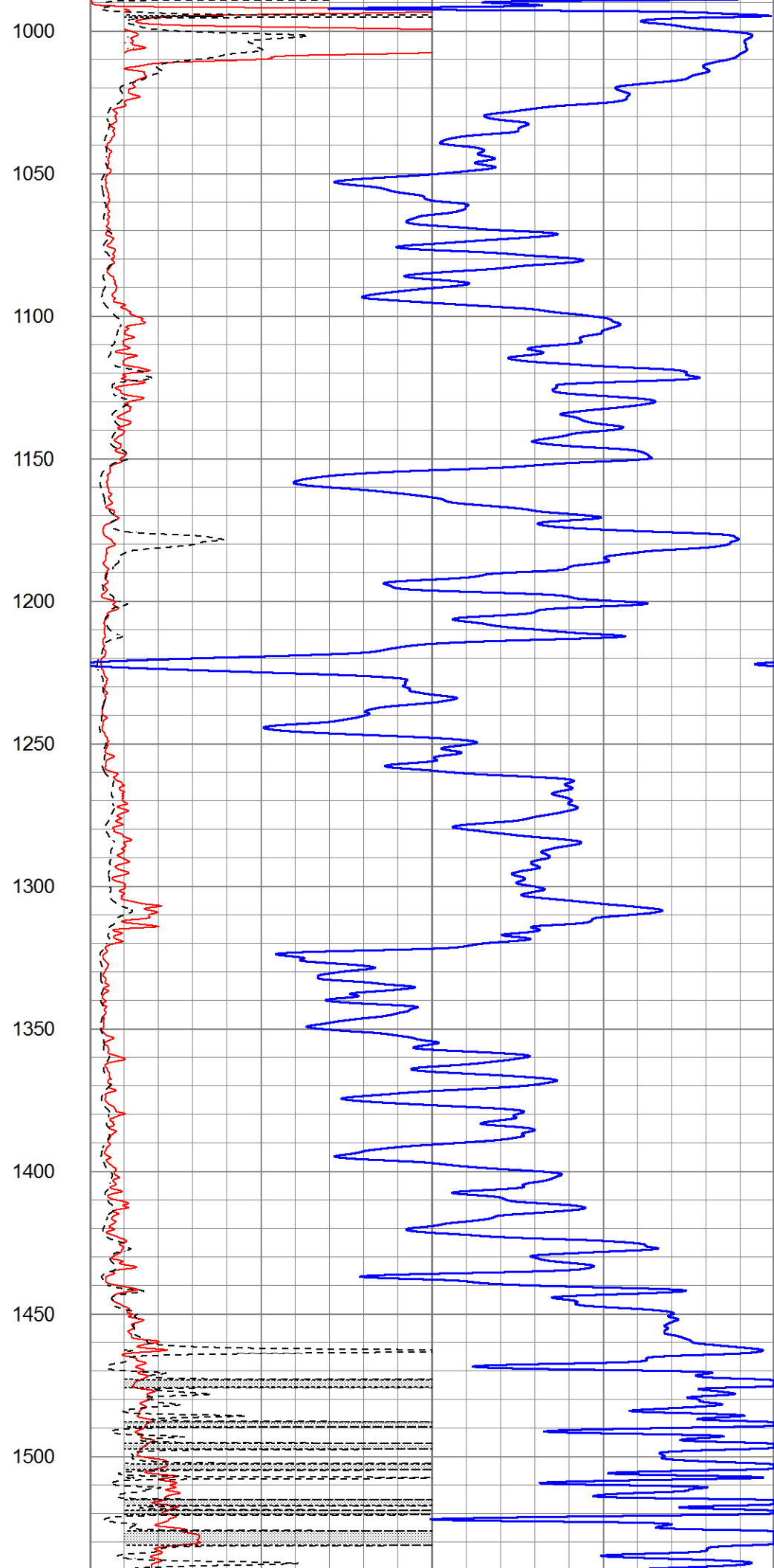
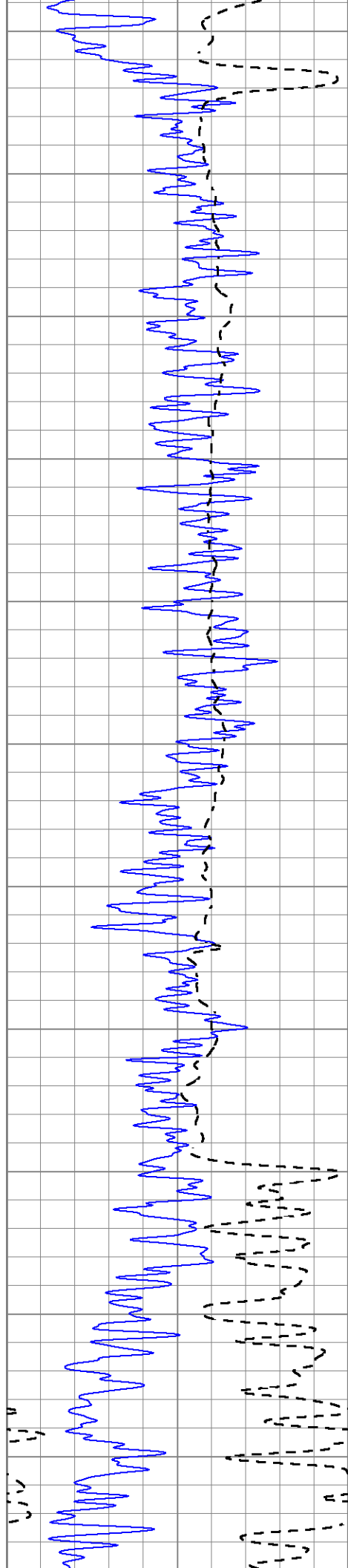
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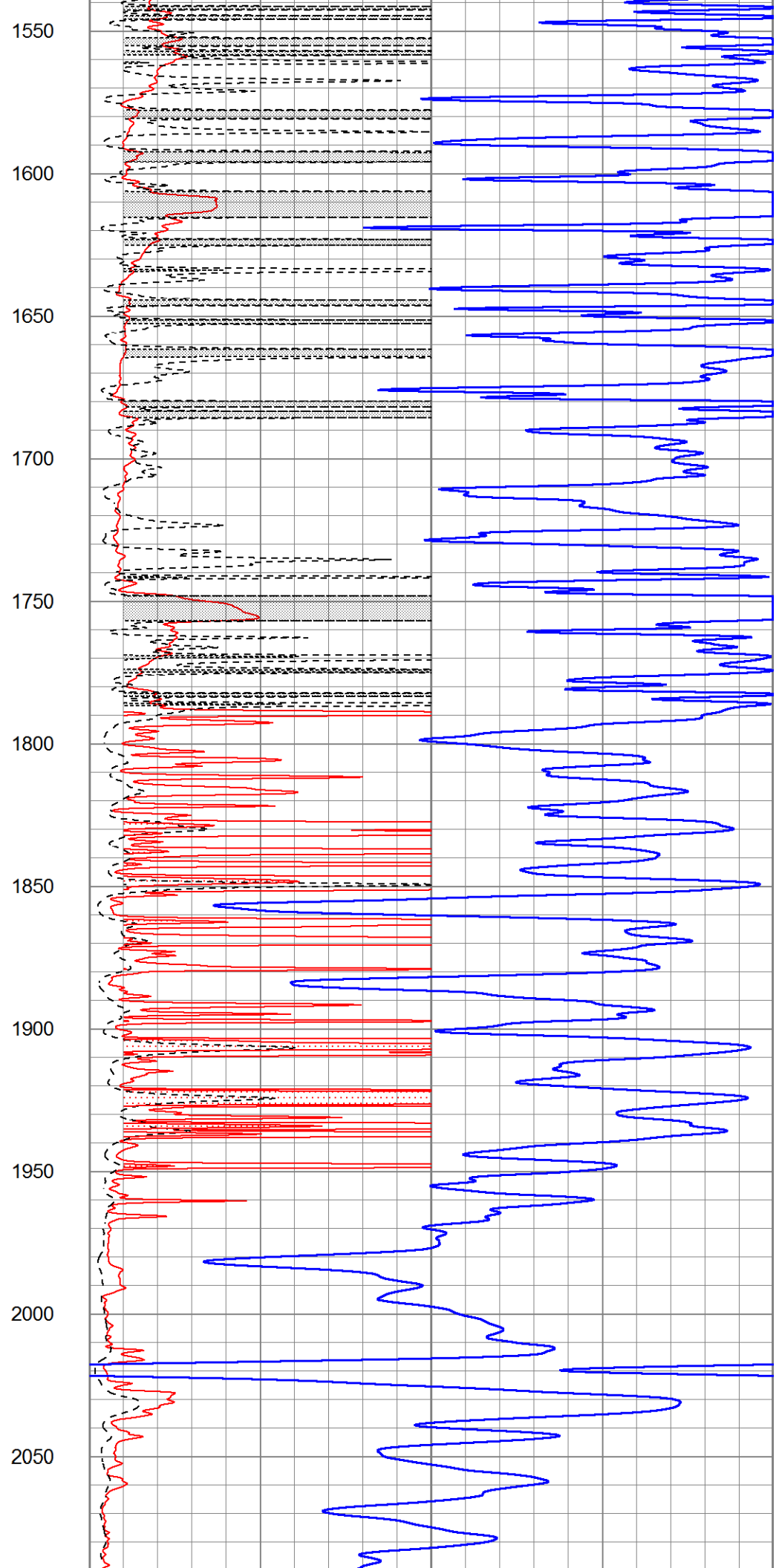
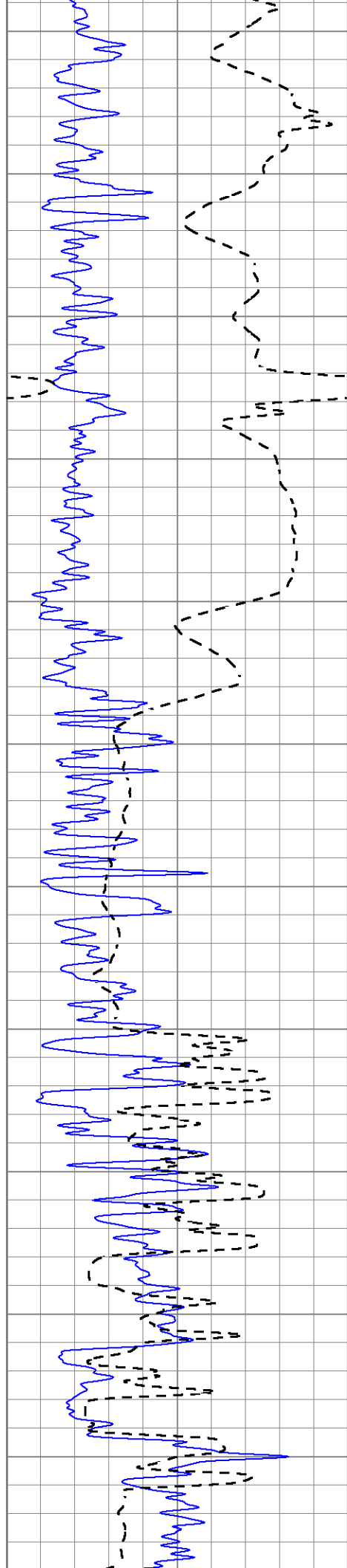
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Presentation Format	_dil2
Dataset Creation	Mon Feb 08 00:45:46 2021
Charted by	Depth in Feet scaled 1:600

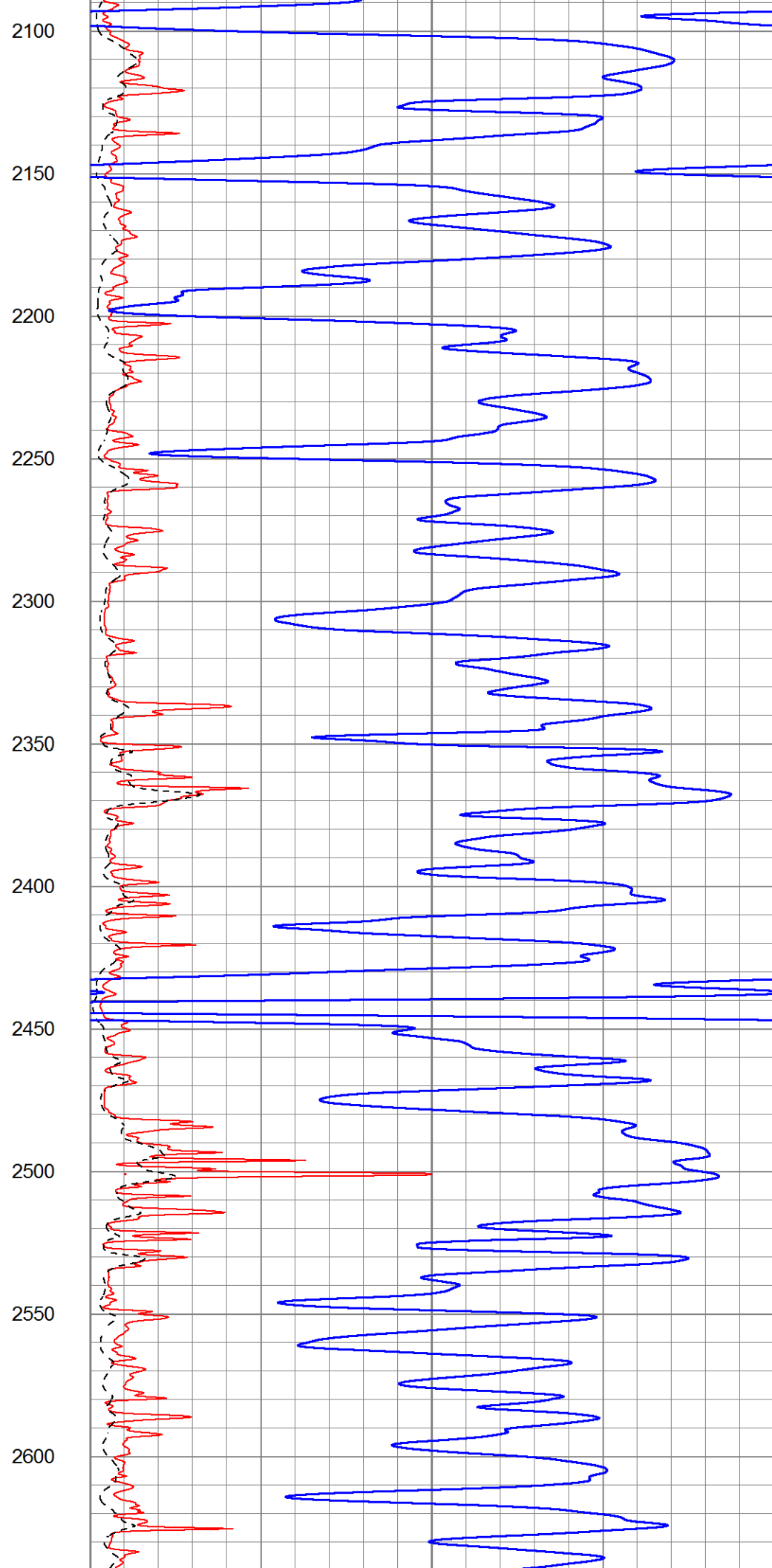
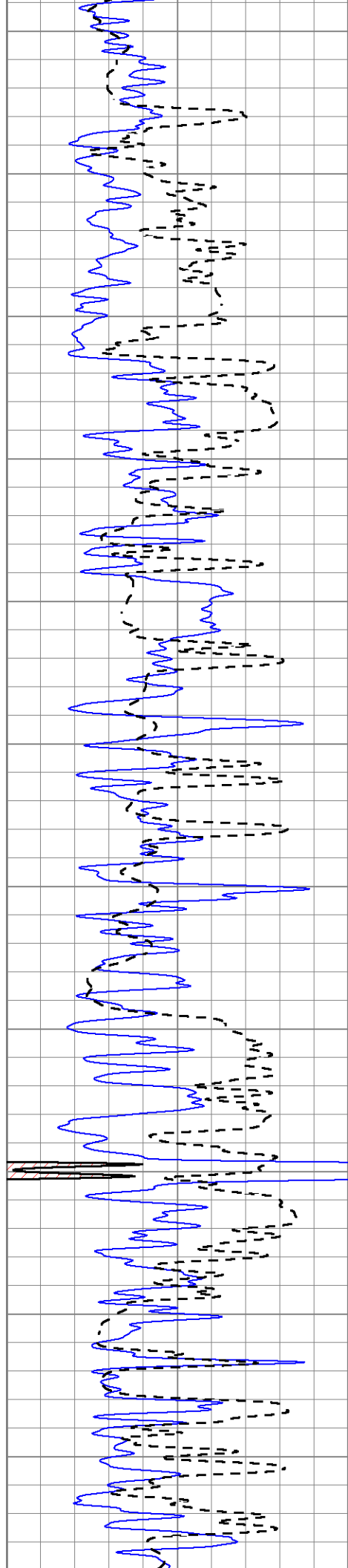
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-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

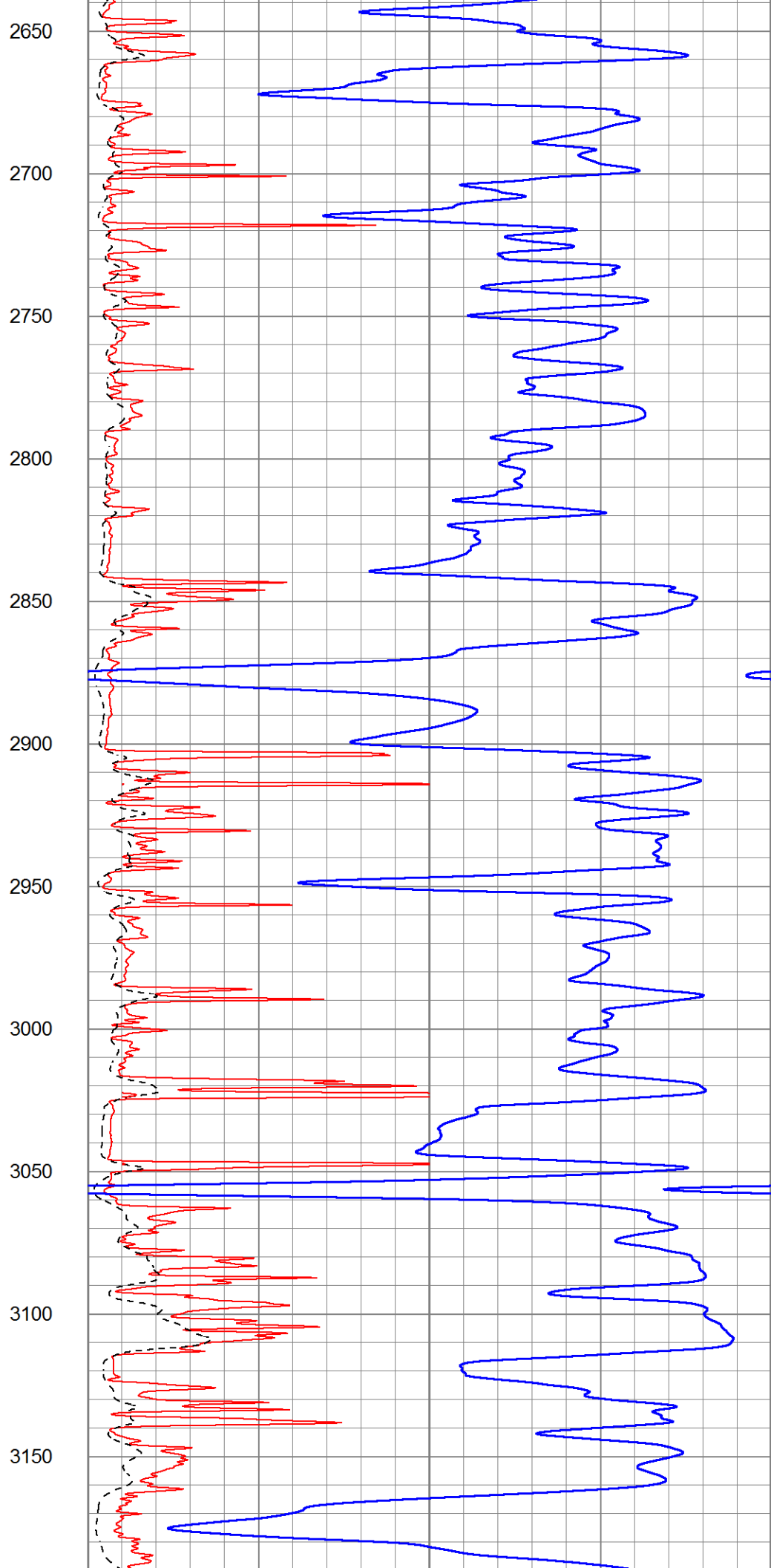
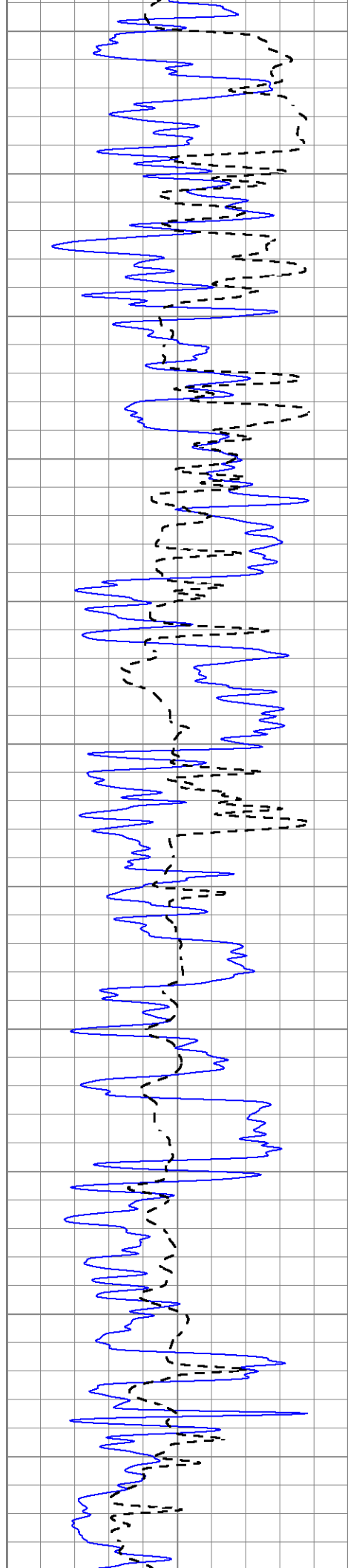


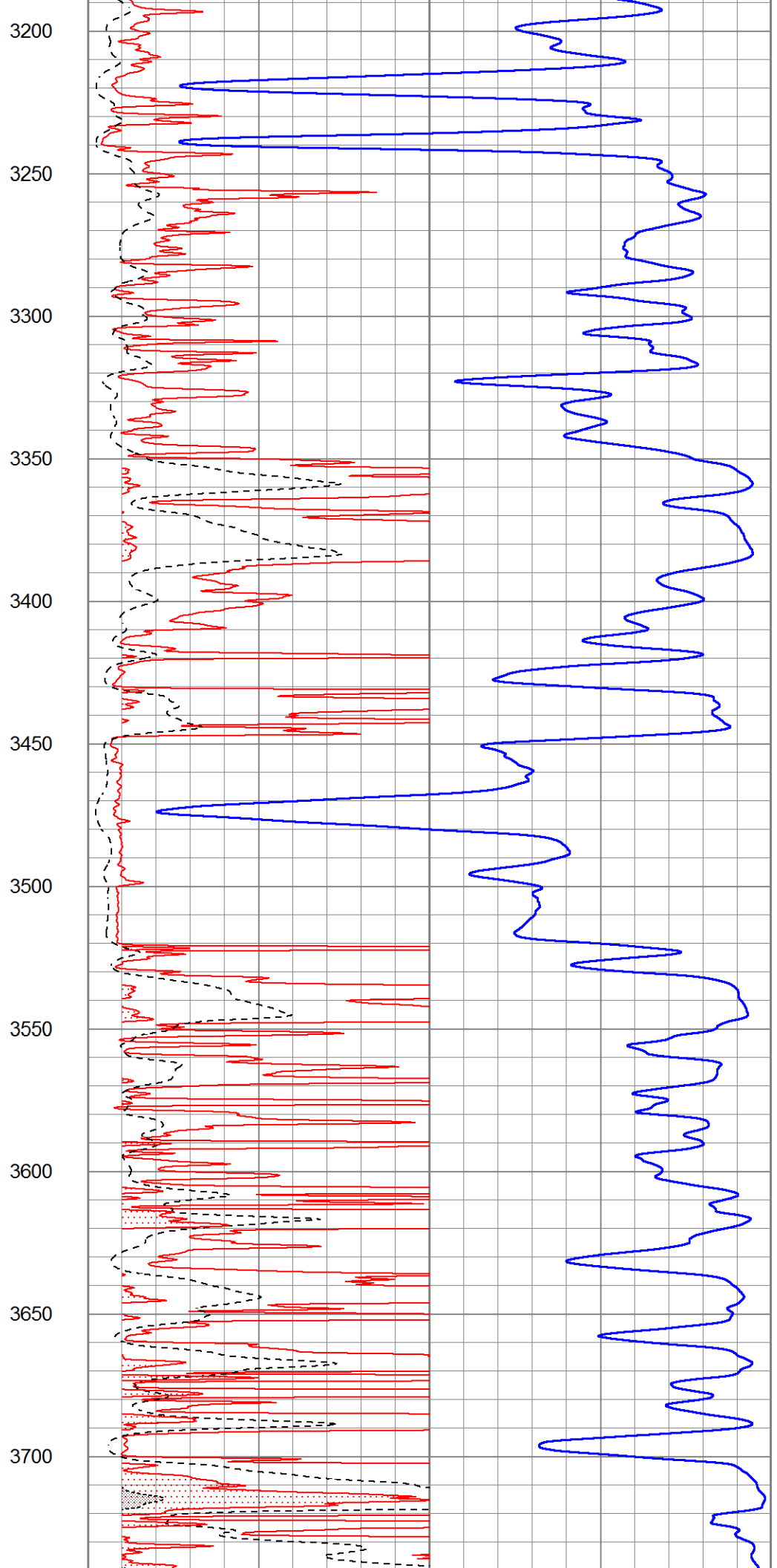
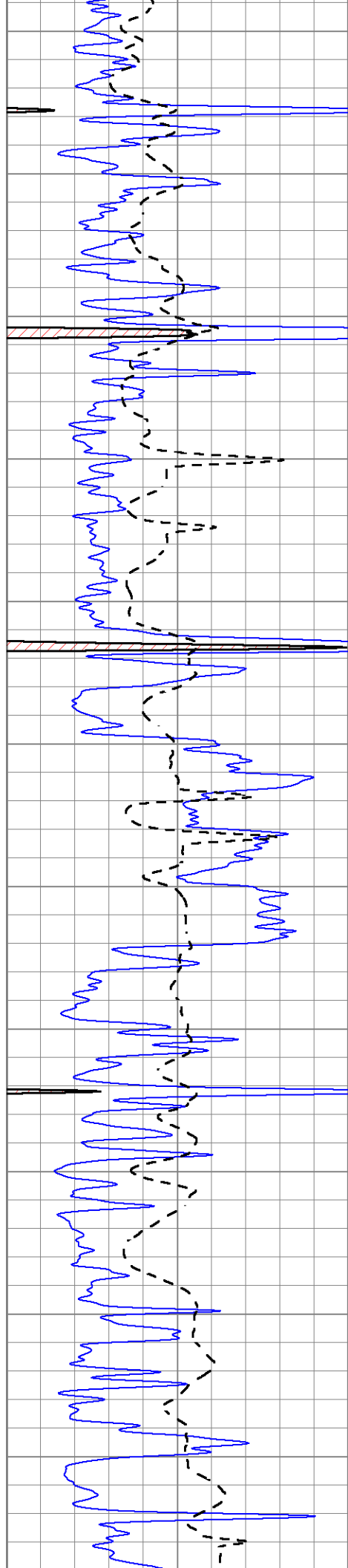


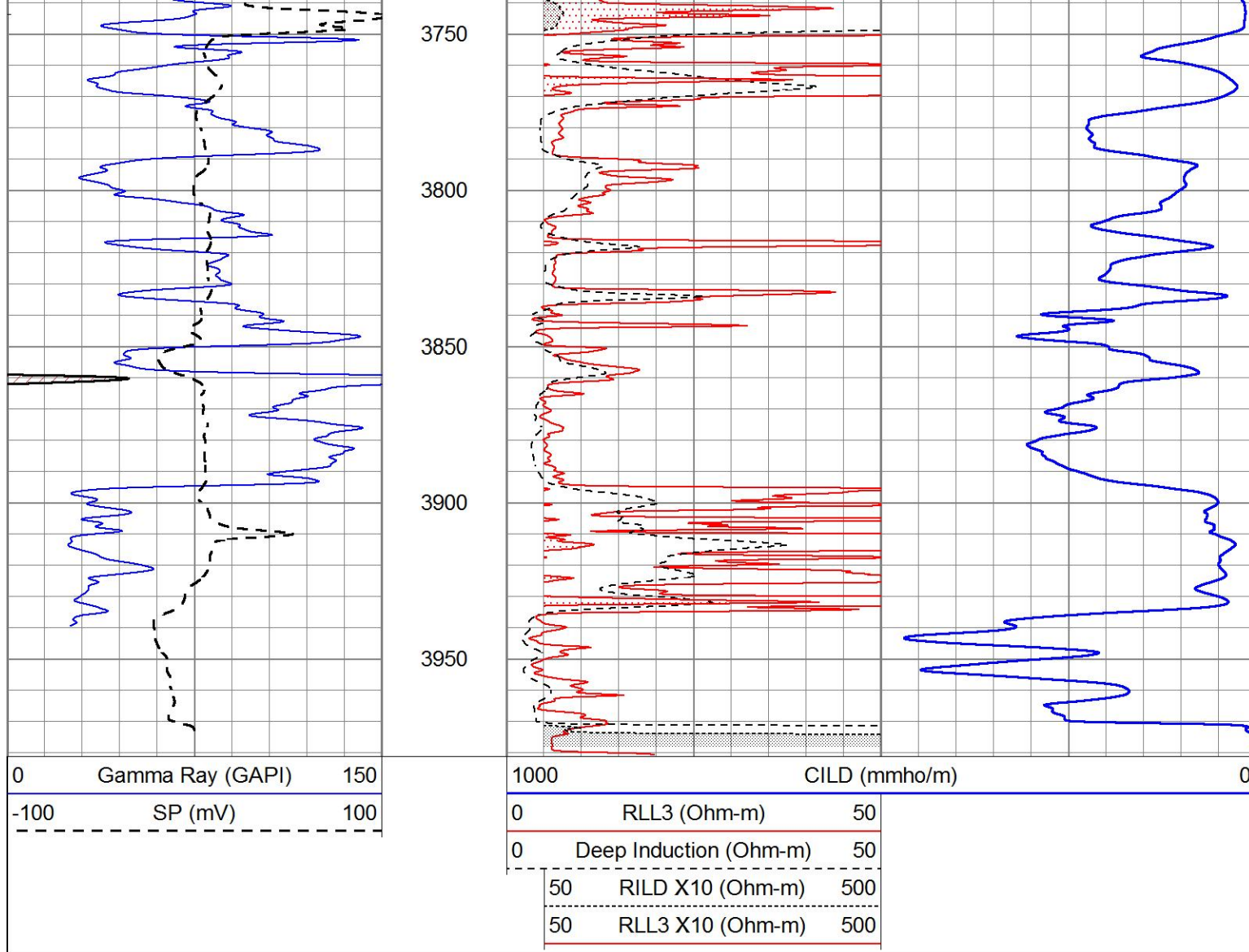






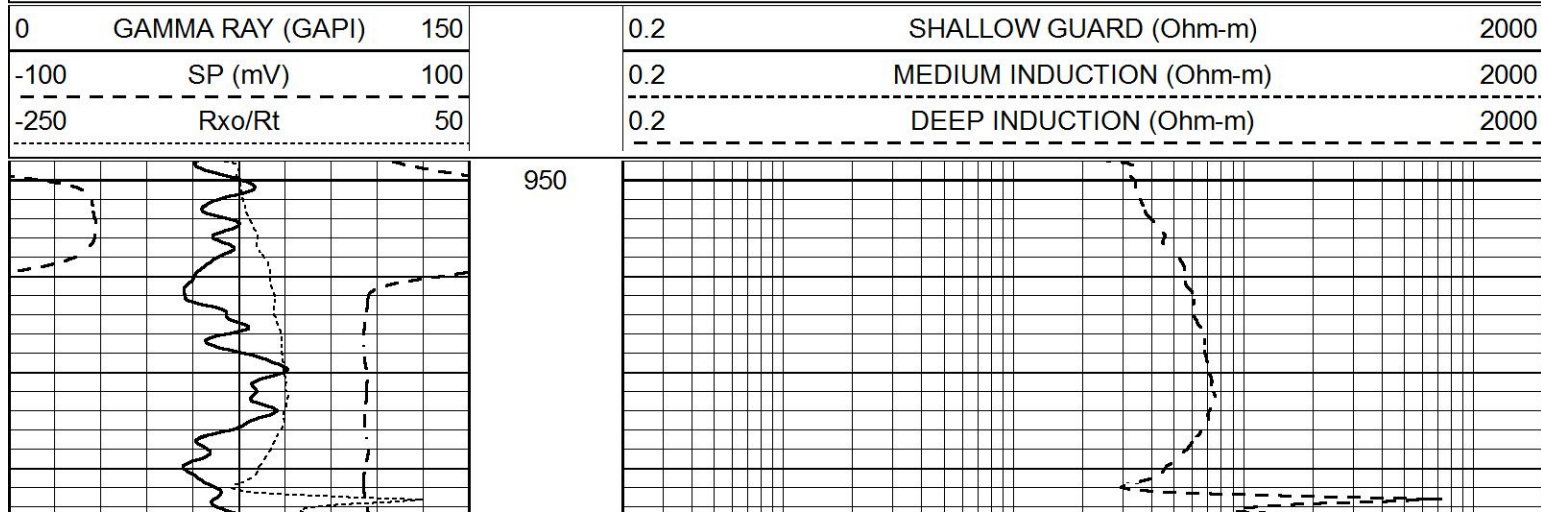


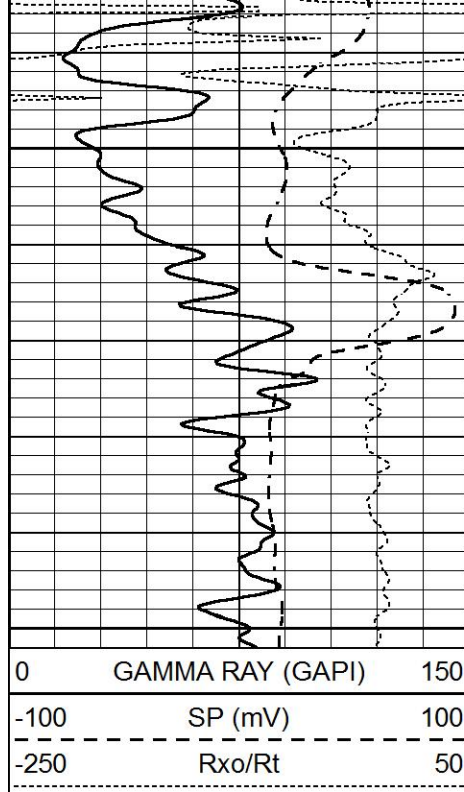




ANHYDRITE

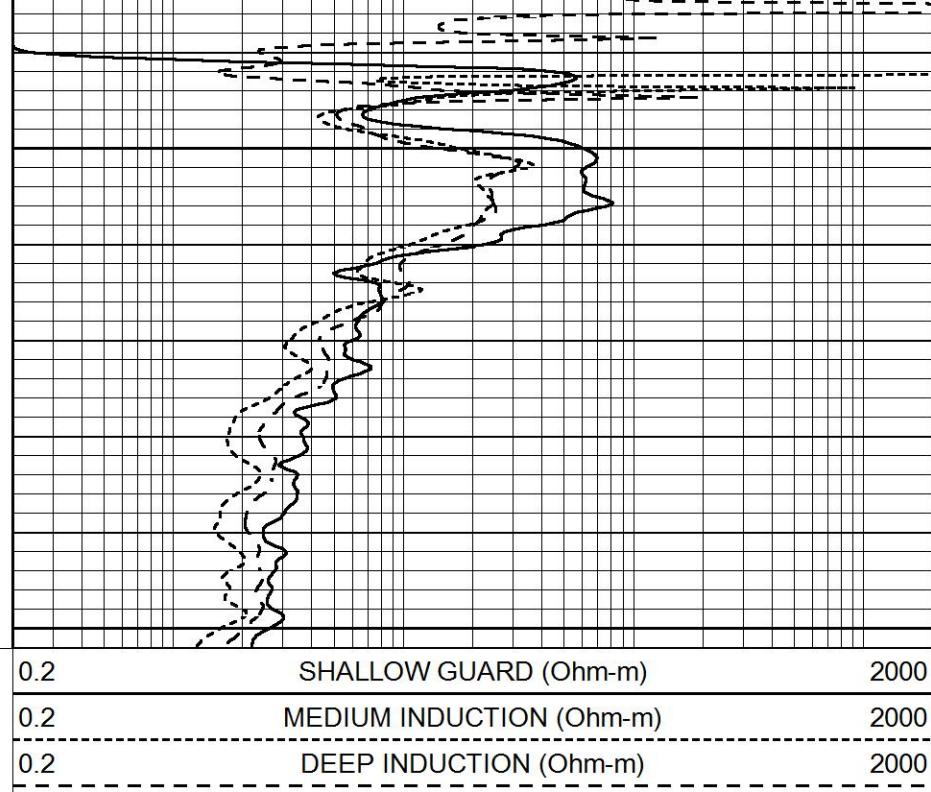
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 Presentation Format _dil
 Dataset Creation Mon Feb 08 00:14:44 2021
 Charted by Depth in Feet scaled 1:240





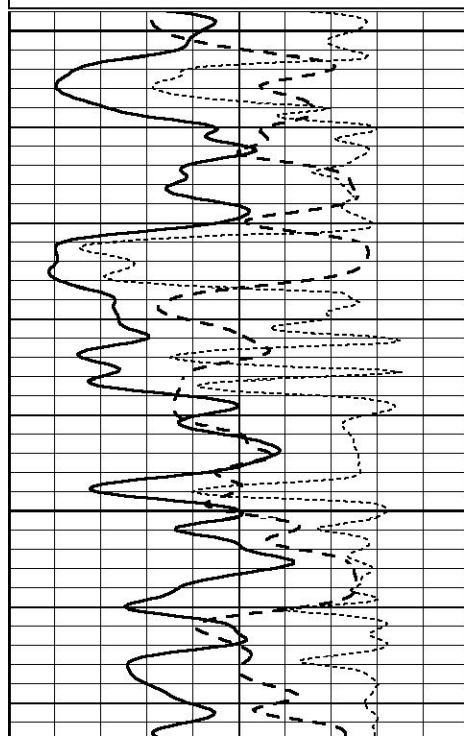
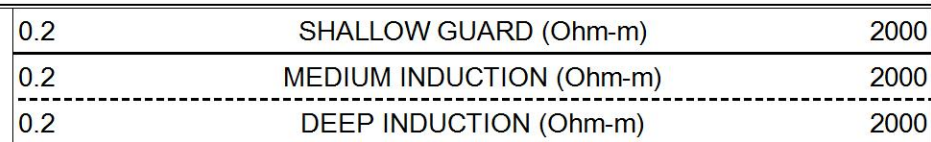
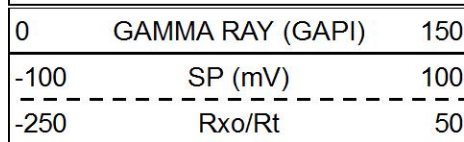
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1050



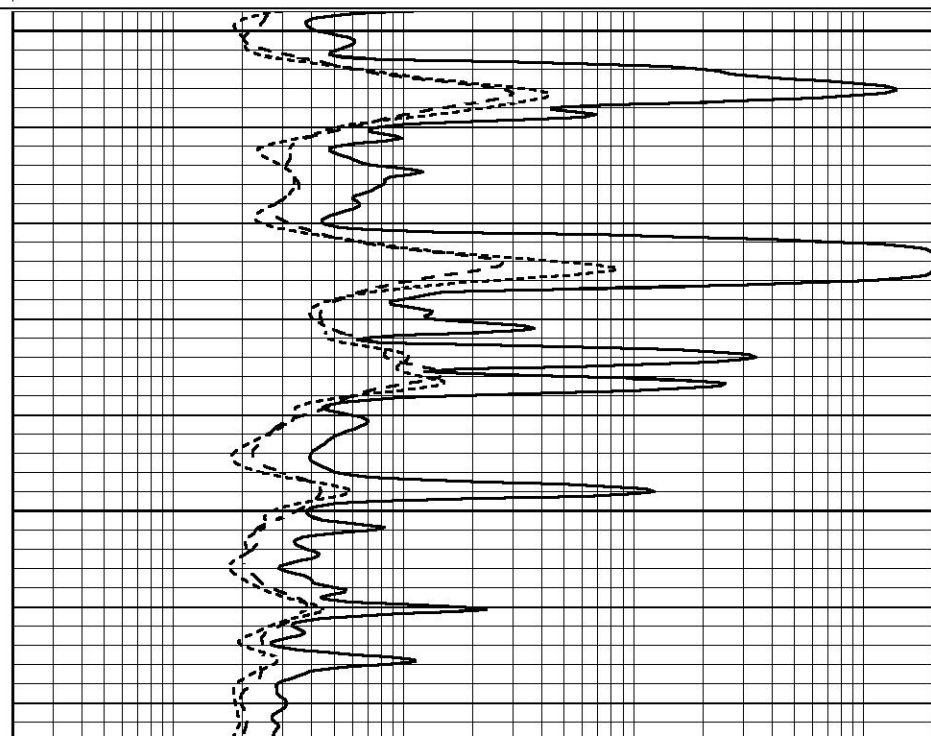
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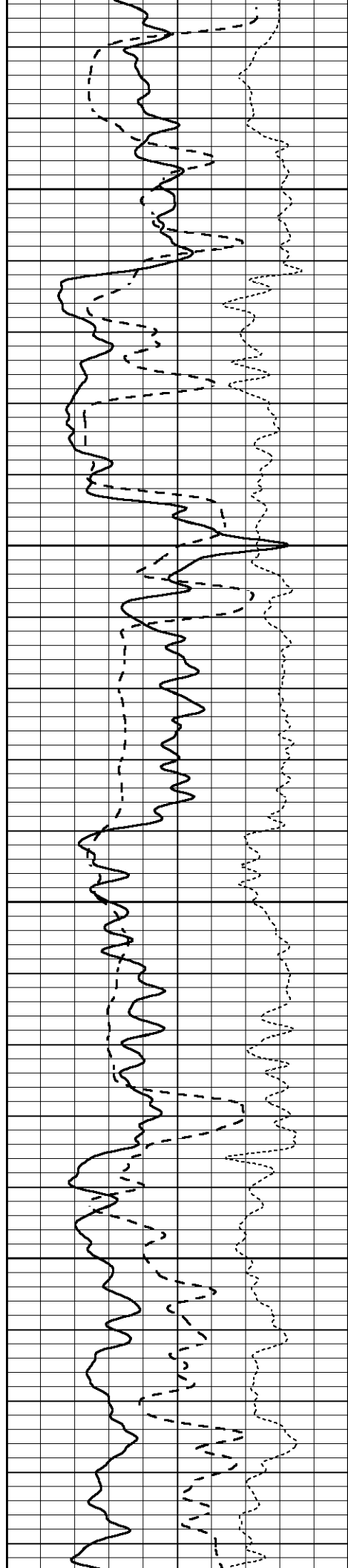
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1900

1950



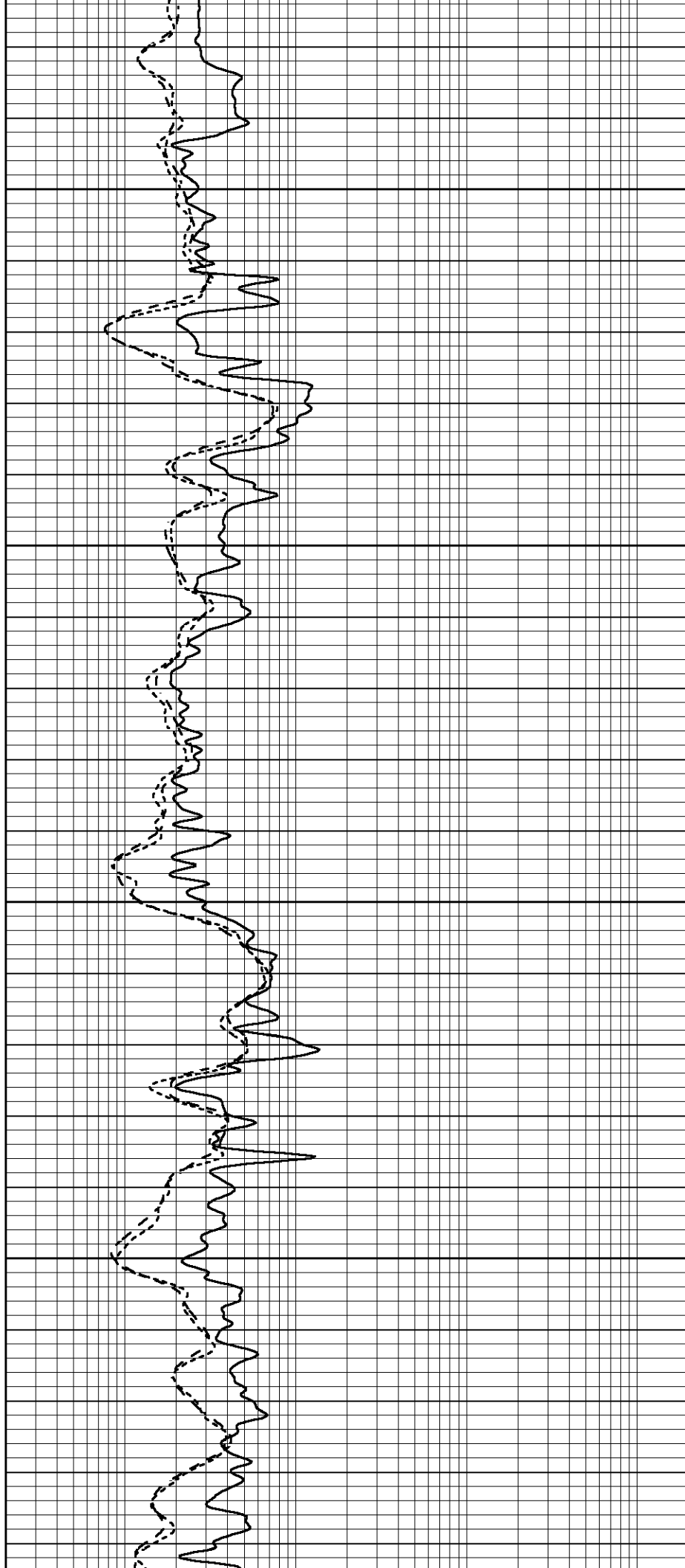


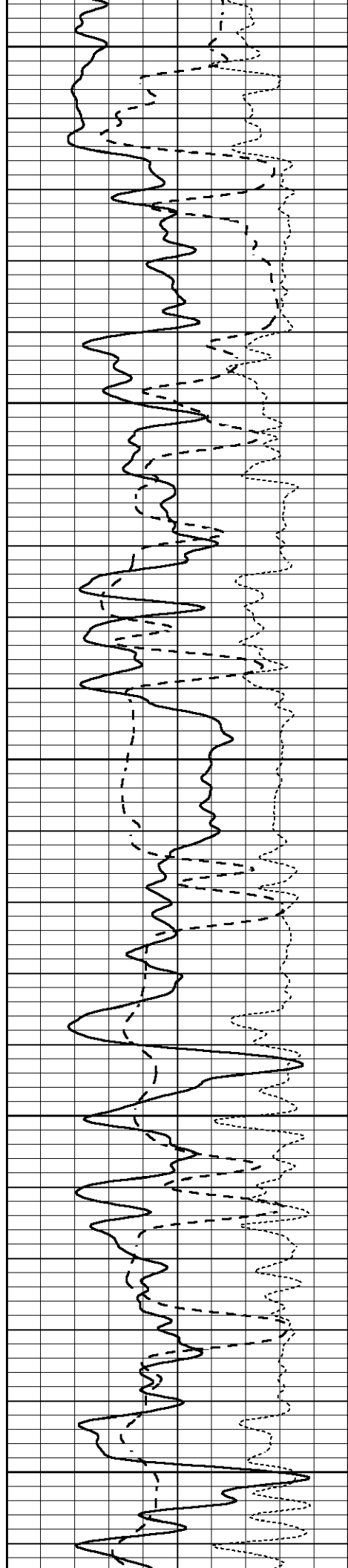
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2050

2100

2150





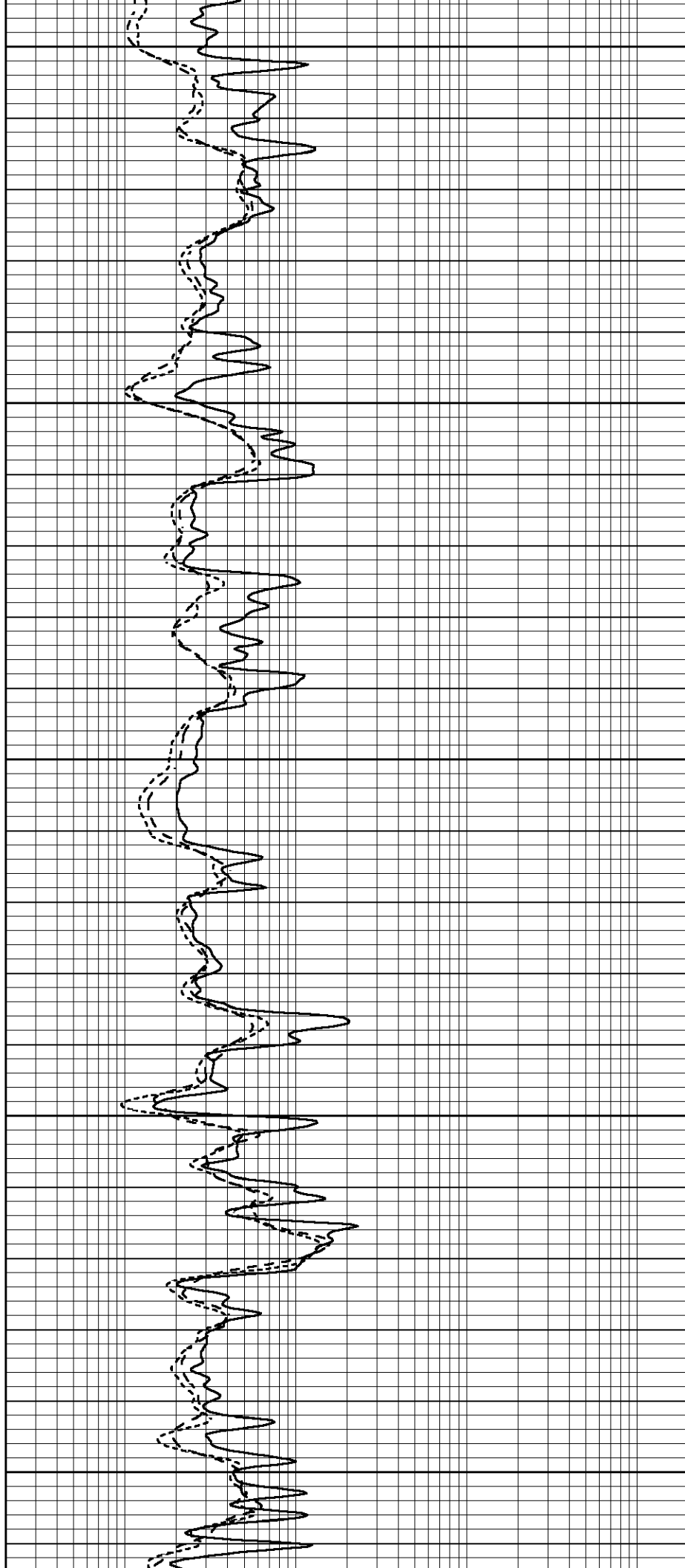
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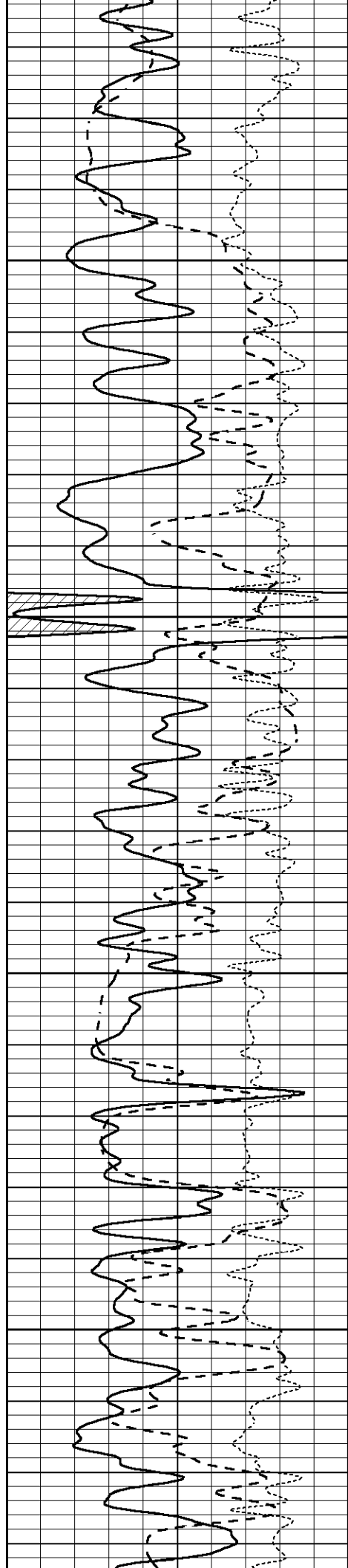
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2300

2350

2400



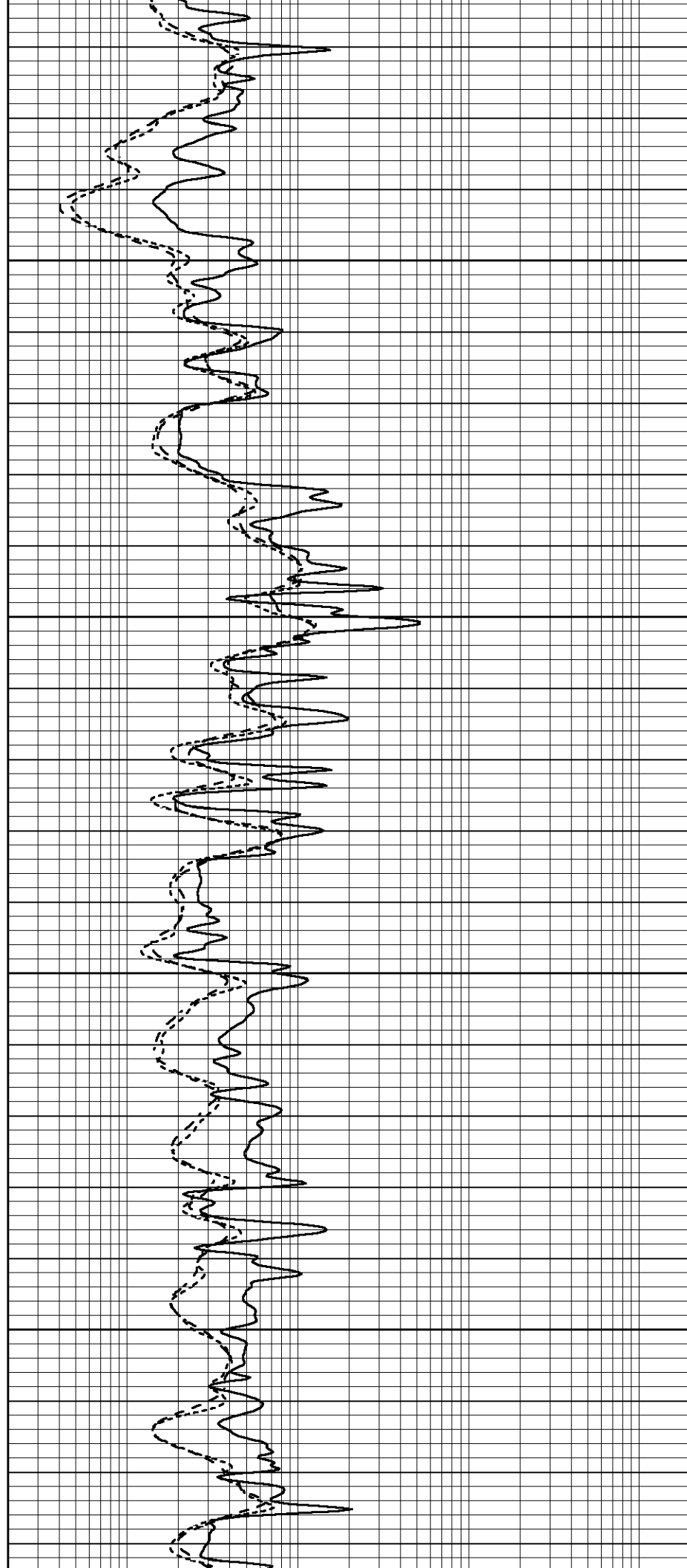


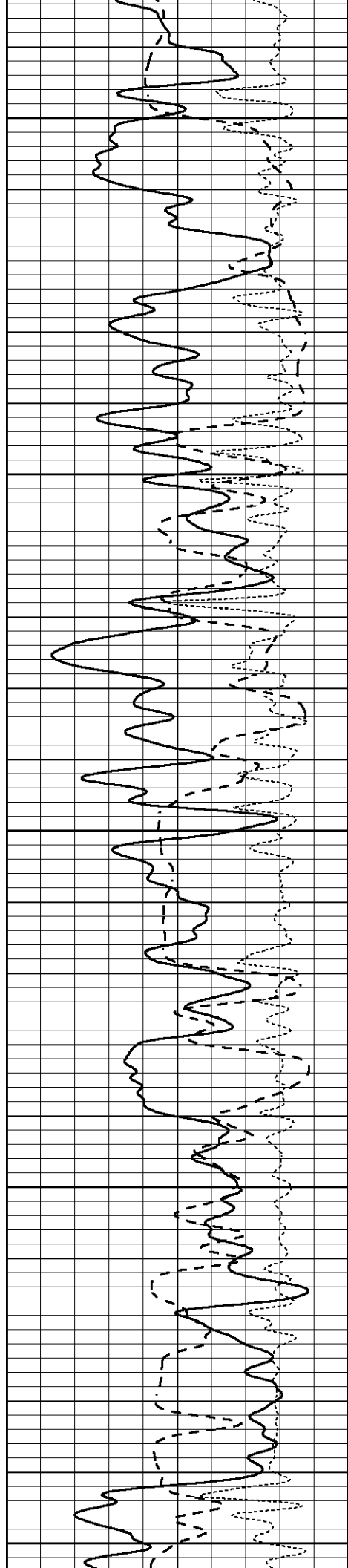
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2550

2600





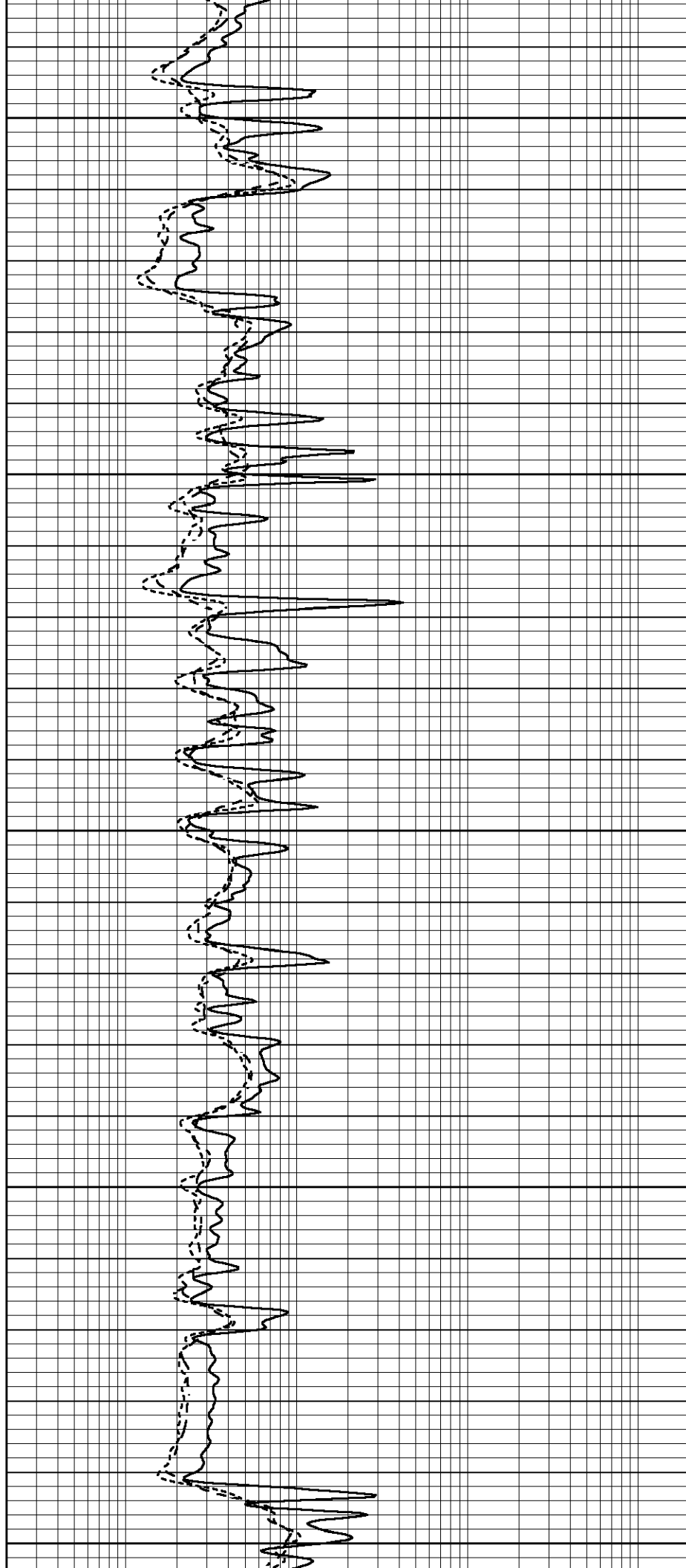
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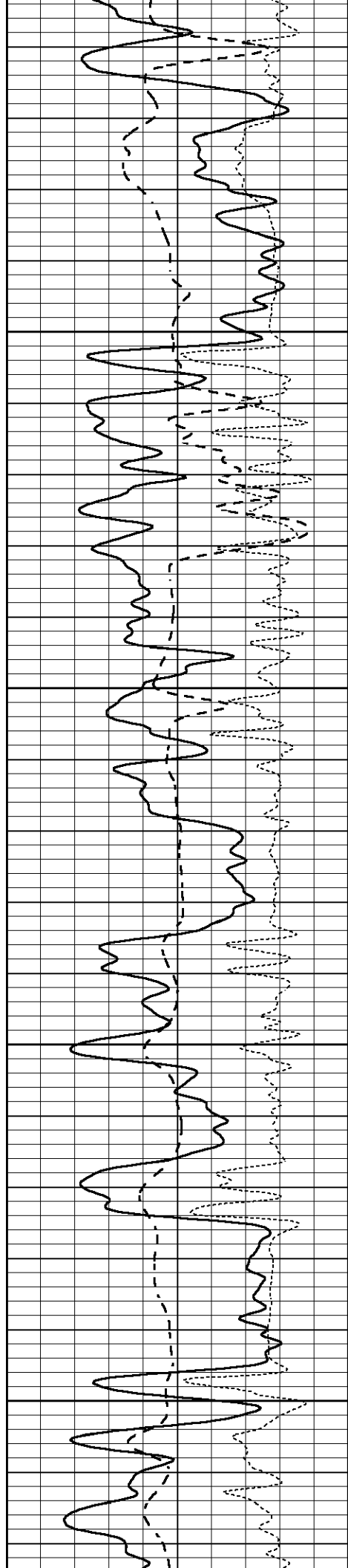
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2750

2800

2850



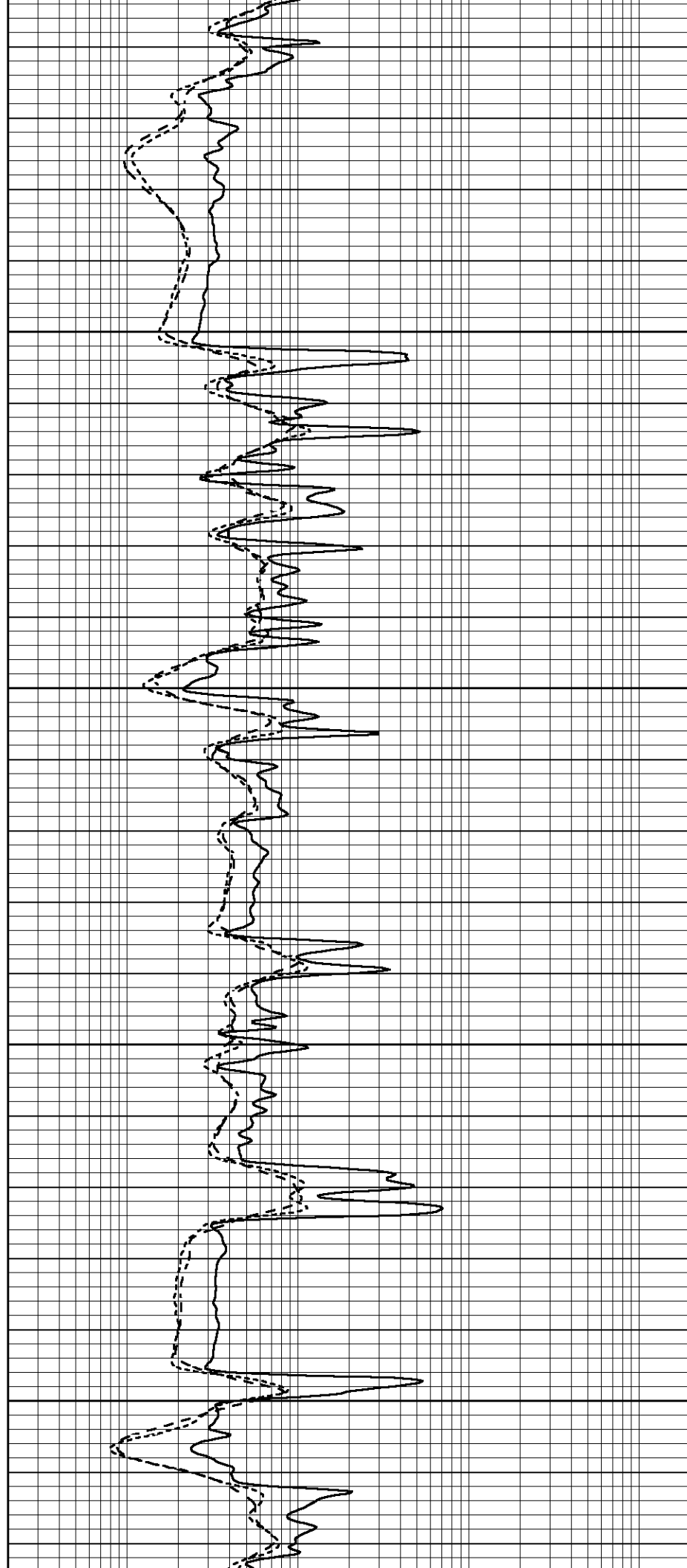


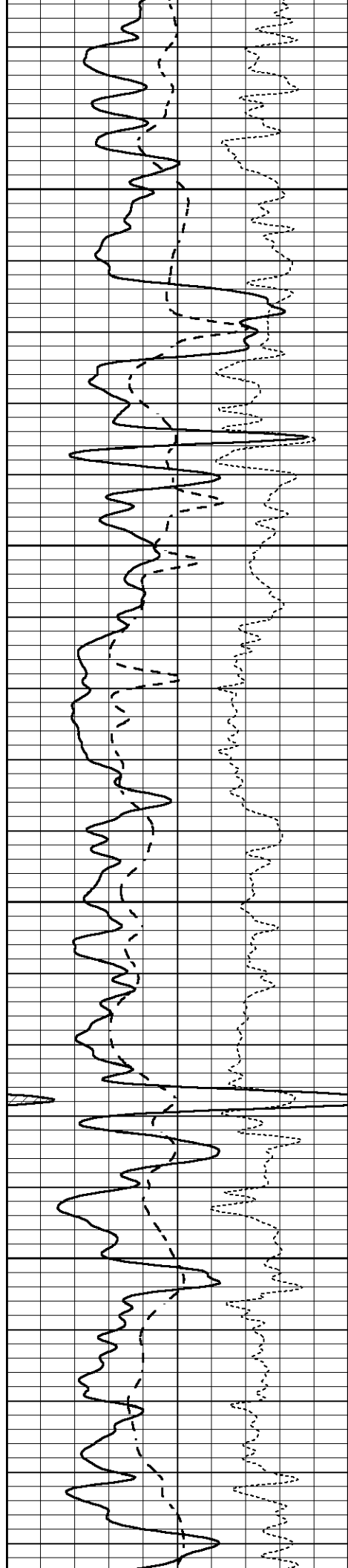
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3050



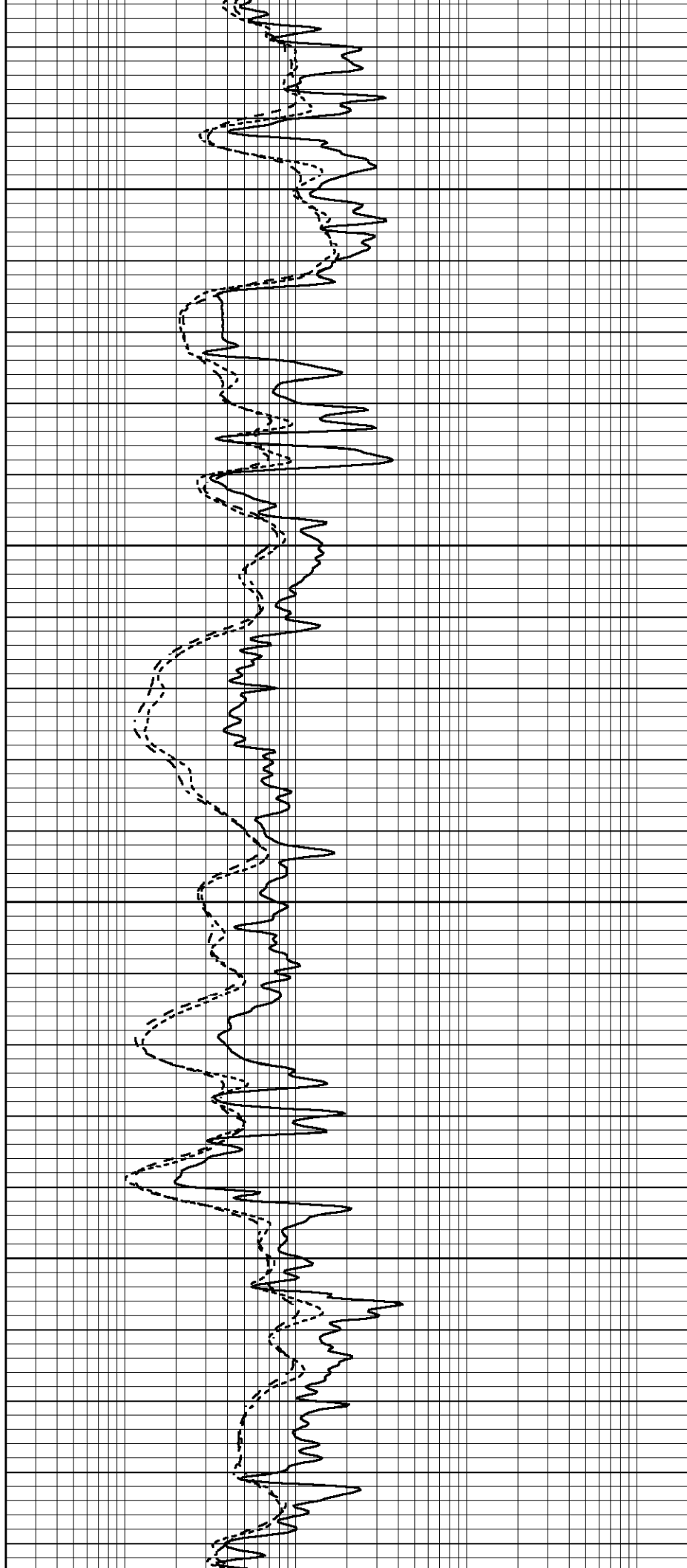


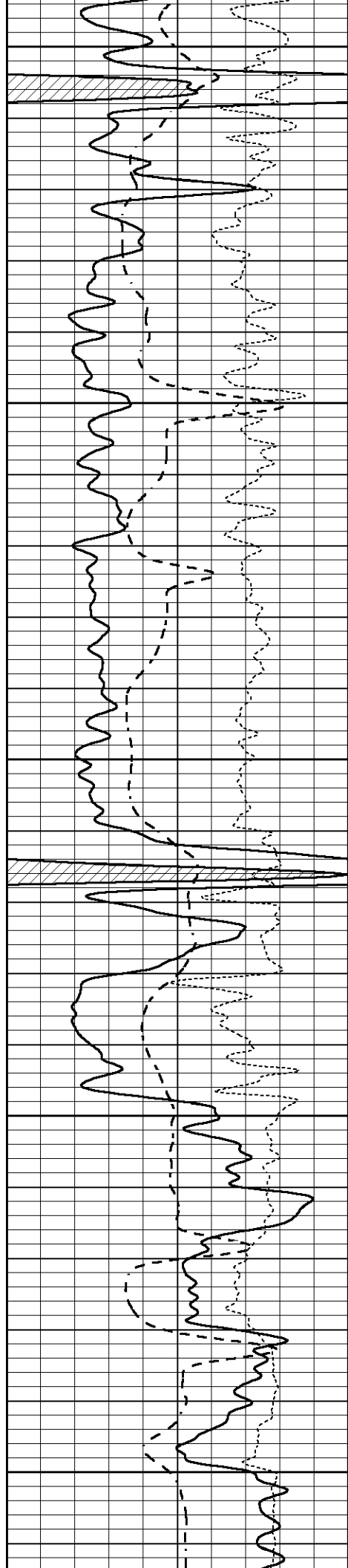
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3150

3200

3250





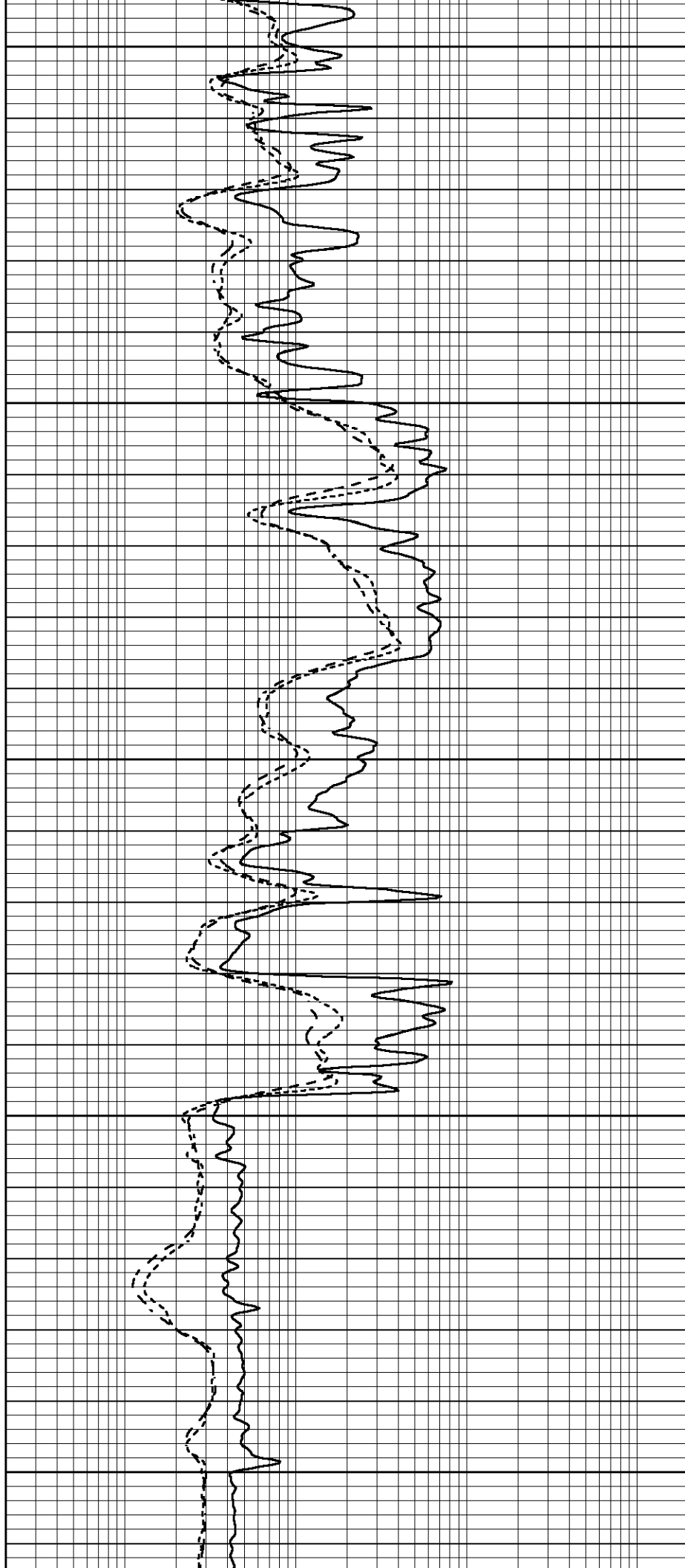
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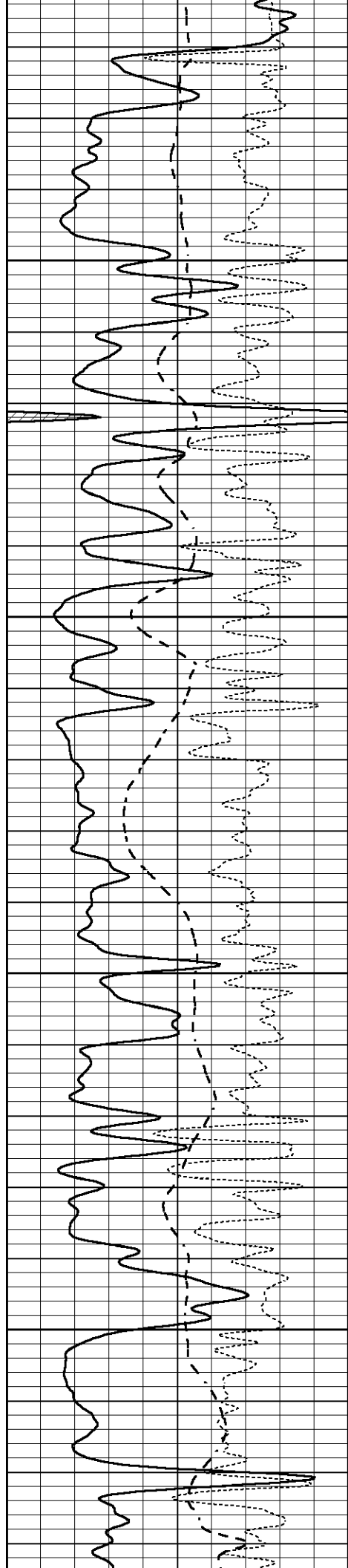
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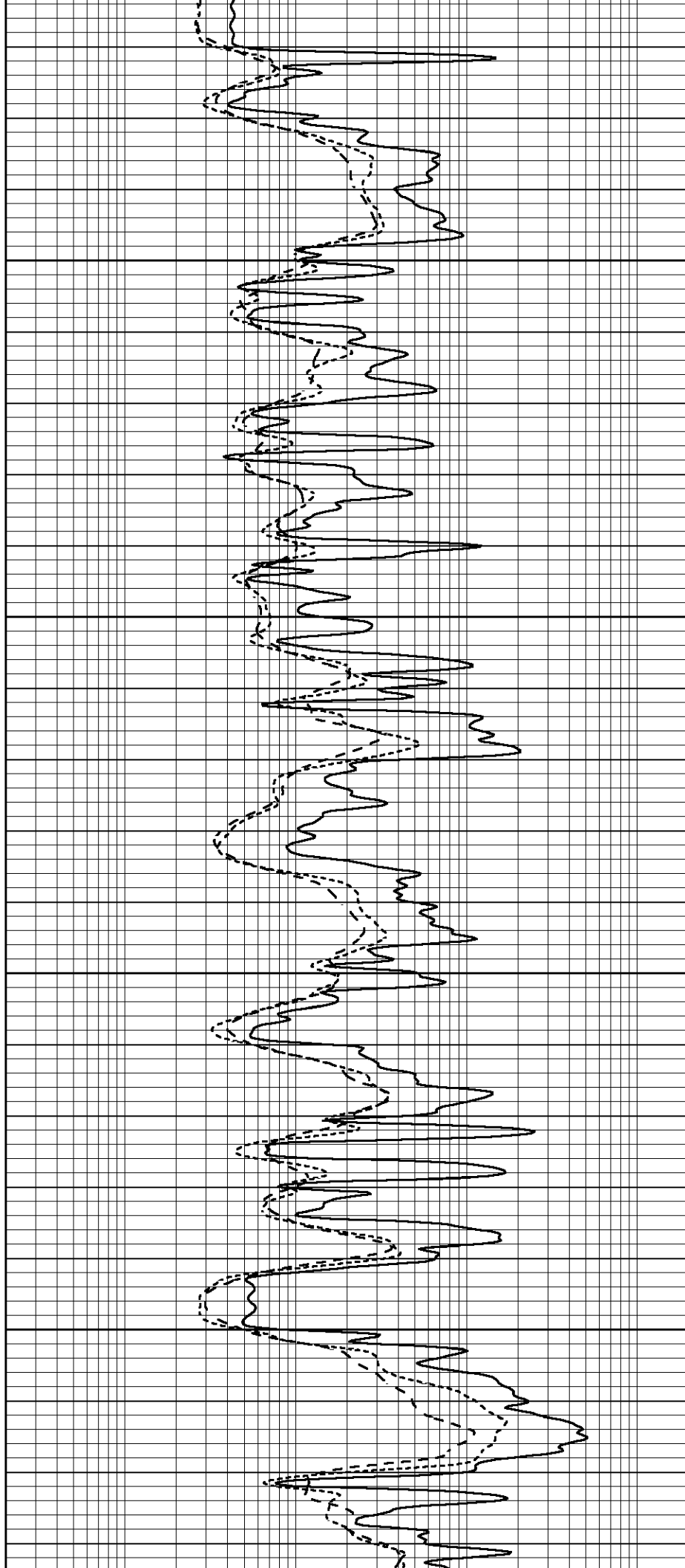


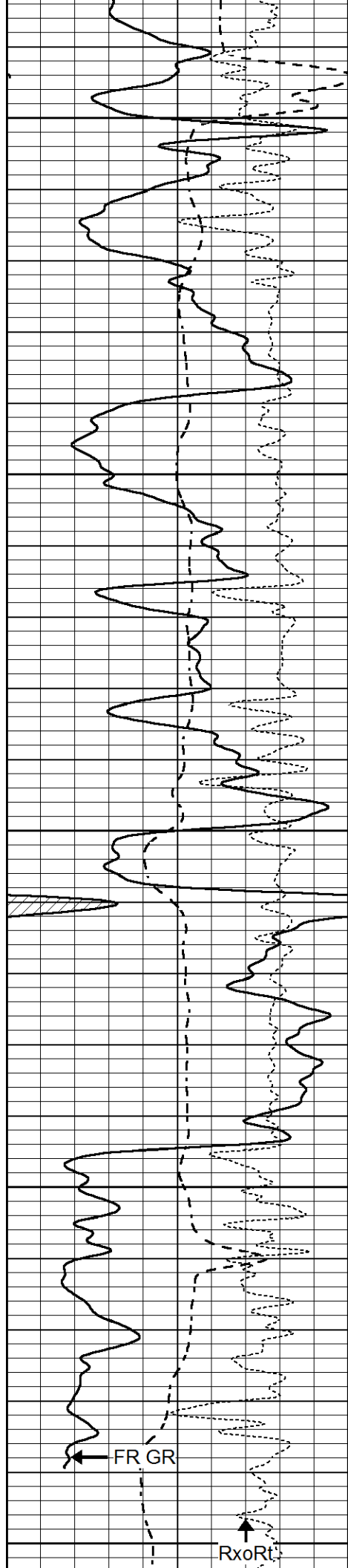
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3700





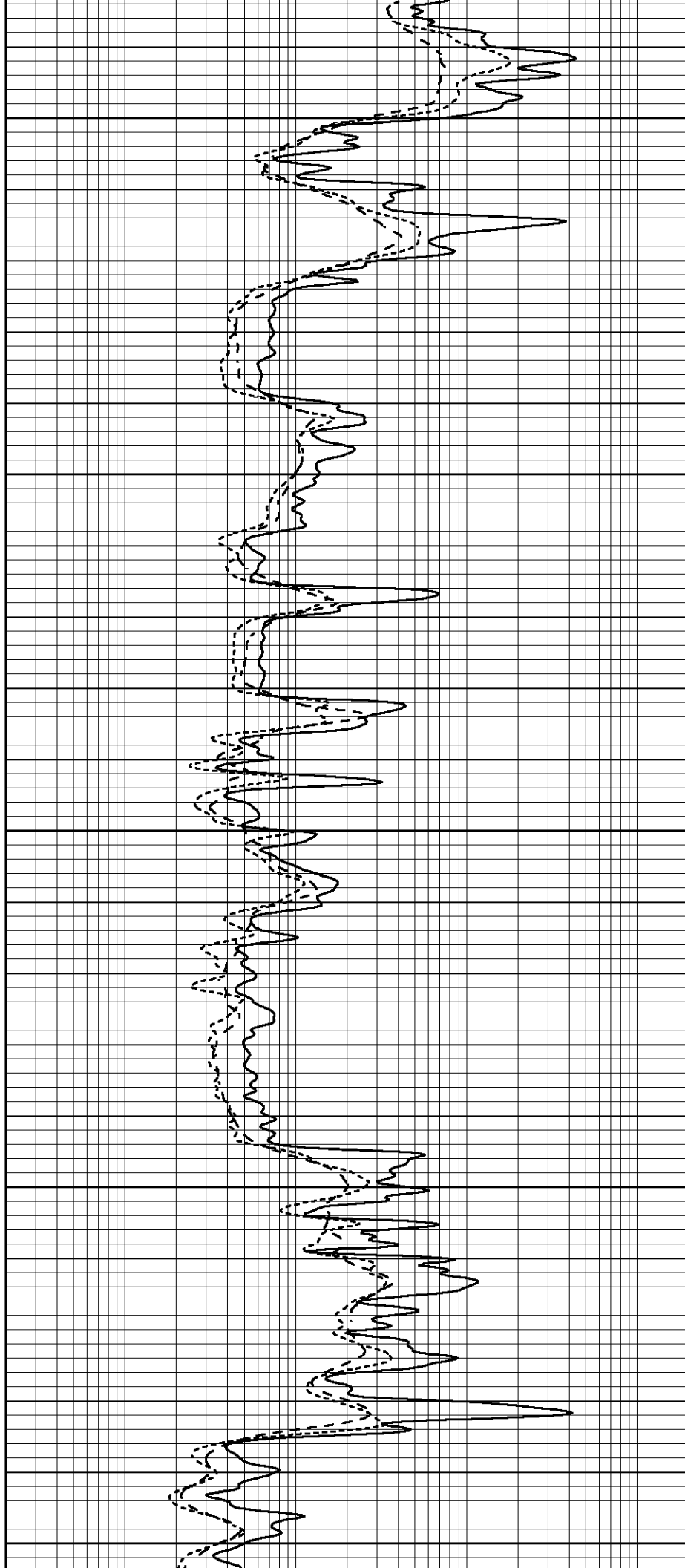
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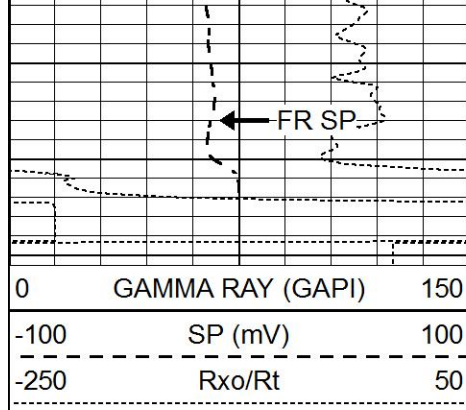
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3850

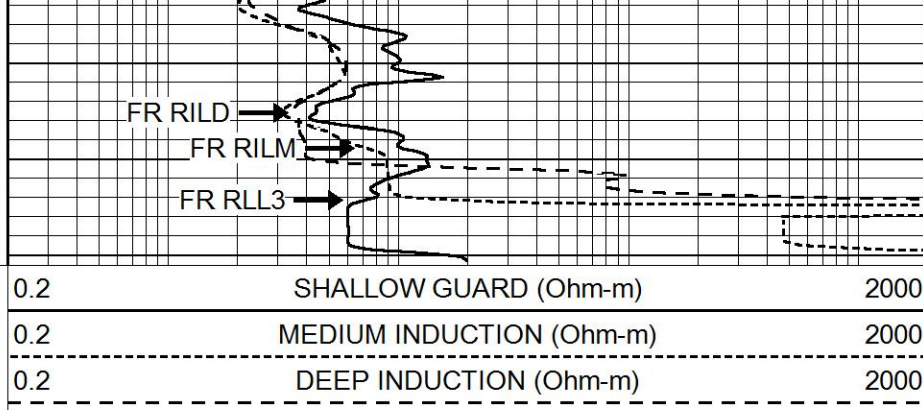
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3950



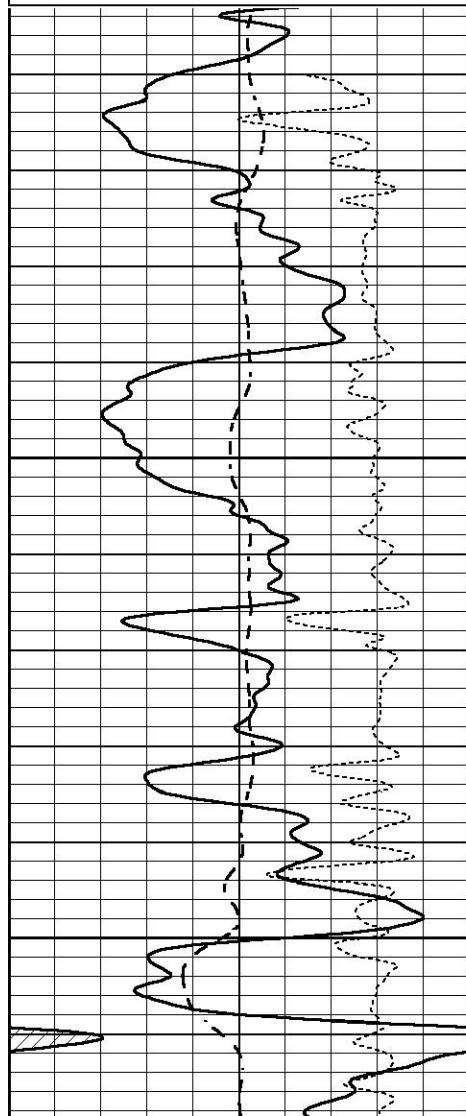
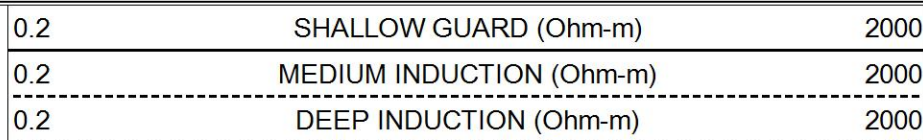
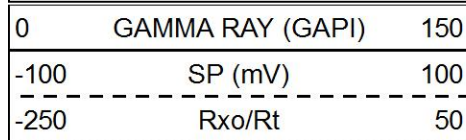


LTD 3976



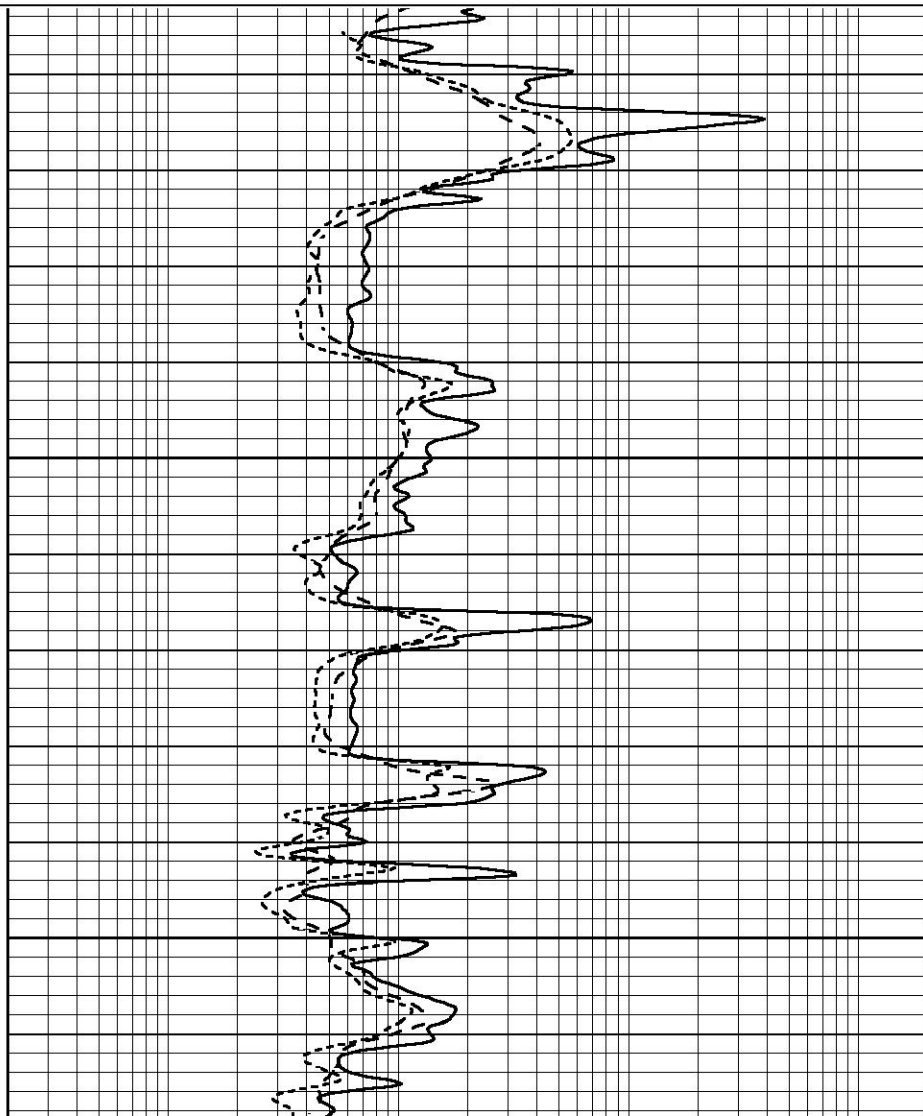
REPEAT SECTION

Database File 5208ddn.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Sun Feb 07 23:15:24 2021
 Charted by Depth in Feet scaled 1:240



3800

3850



	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification								
Readings				Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report								
Serial: 140703								
Model: V4_10P								
Source Number: 74GBq-19								

Master Calibration				Performed: Wed Dec 02 12:04:44 2020			
	Background	Aluminum	Magnesium				
Window 1	595.38	5386.50	23898.92	cps			
Window 2	52.78	1248.21	5993.75	cps			
Window 4	251.36	1200.30	5155.55	cps			
Window 5	545.15	9066.30	17240.12	cps			
Window 6	43.35	1491.73	2929.24	cps			
Window 8	258.76	2917.82	5450.26	cps			
Bulk Density	-	2.6020	1.6830	g/cc			
Pe	-	3.0000	2.5070	b/e			
LS Alpha:	: -1.8726	SS Alpha:	: -0.7656	LS CPE:	: 1.0742		
LS Beta:	: 127345.0723	SS Beta:	: 20293.3834	SS CPE:	: 1.5427		

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: Wed Dec 02 12:04:44 2020		
Results	Readings	References (in)			

Low 8003.0	High 11159.9	Low 8.0	High 14.0	Gain 0.0	Offset -7.2
Before Survey Caliper Verification		Performed:			
	Reference	Reading			
Caliper (in)					
After Survey Caliper Verification		Performed:			
	Reference	Reading			
Caliper (in)					
Compensated Neutron Calibration Report					
		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 Jan 19 17:50:08 2021				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.5300	GAPI/cps			