



DUAL INDUCTION
GR/L3 LOG

Company VAL ENERGY, INC
 Well J & N LAND 2-2
 Field
 County COWLEY State KANSAS

Location: API #: 15-035-24791-00-00
 N/2 S/2 NW/NW
 669' FNL & 660' FWL
 SEC 2 TWP 35S RGE 5E
 Permanent Datum GL Elevation 1259
 Log Measured From KB
 Drilling Measured From KB
 Other Services
 MICRO
 CDLN
 Elevation
 K.B. 1268
 D.F. 1267
 G.L. 1259

Date	11-17-2023
Run Number	ONE
Depth Driller	3502
Depth Logger	3499
Bottom Logged Interval	3497
Top Log Interval	SURFACE
Casing Driller	8.625" @ 200
Casing Logger	8.625" @ 200
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.5 / 65
pH / Fluid Loss	10.5 / 5.6
Source of Sample	PIT
Rm @ Meas. Temp	2.7 @ 70
Rmf @ Meas. Temp	2.05 @ 70
Rmc @ Meas. Temp	3.15 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1.88 @ 109
Time Circulation Stopped	8:30 PM
Time Logger on Bottom	11:00 PM
Maximum Recorded Temperature	109
Equipment Number	OW2
Location	HOMINY, OK
Recorded By	MACKAY
Witnessed By	MR. WOLFE TYLER

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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

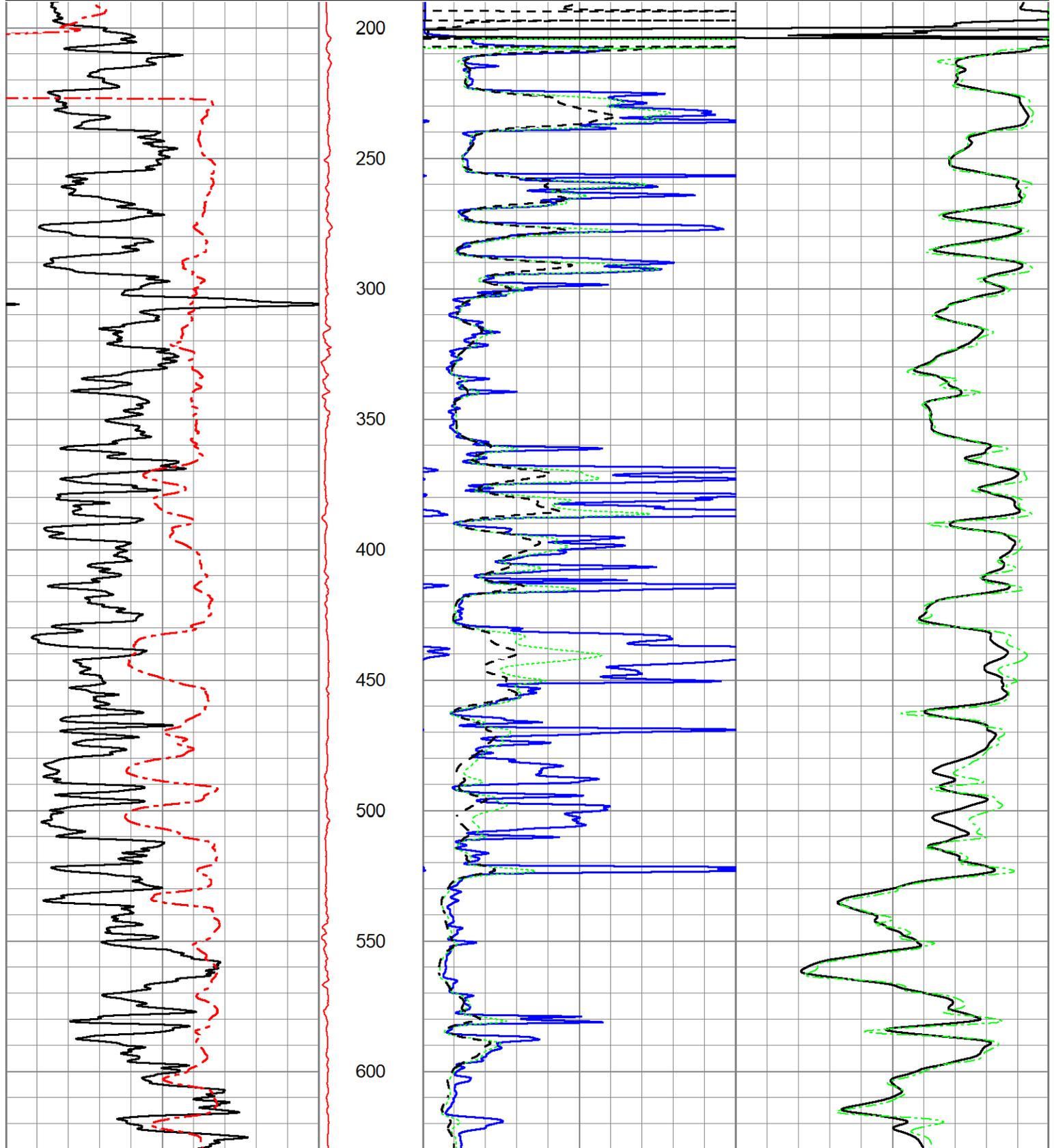
FILE # OW2-9238 VAL ENERGY
KIDD
THANK YOU FOR USING OSAGE WIRELINE

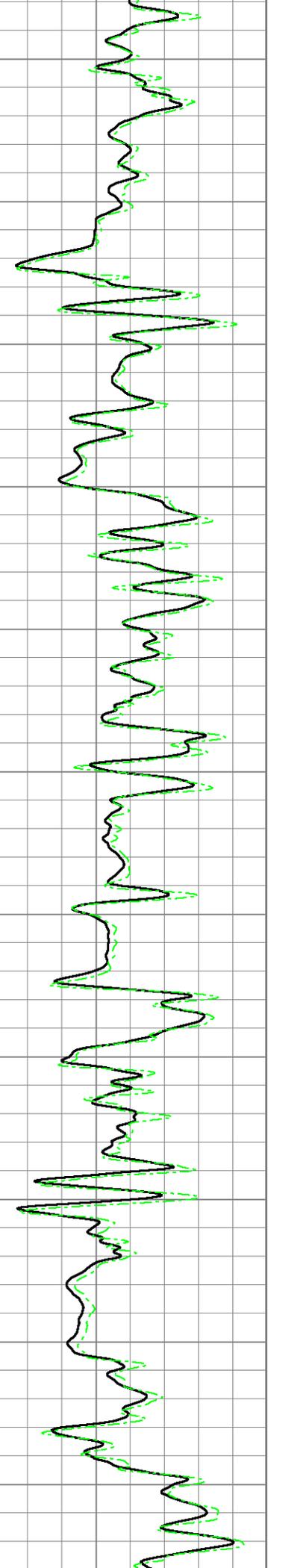
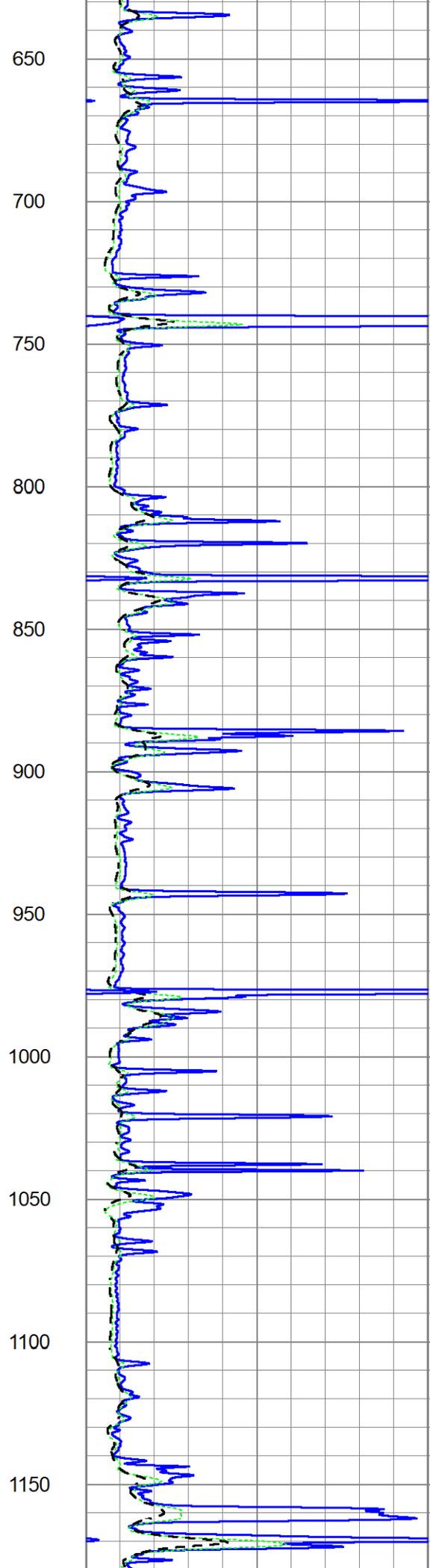
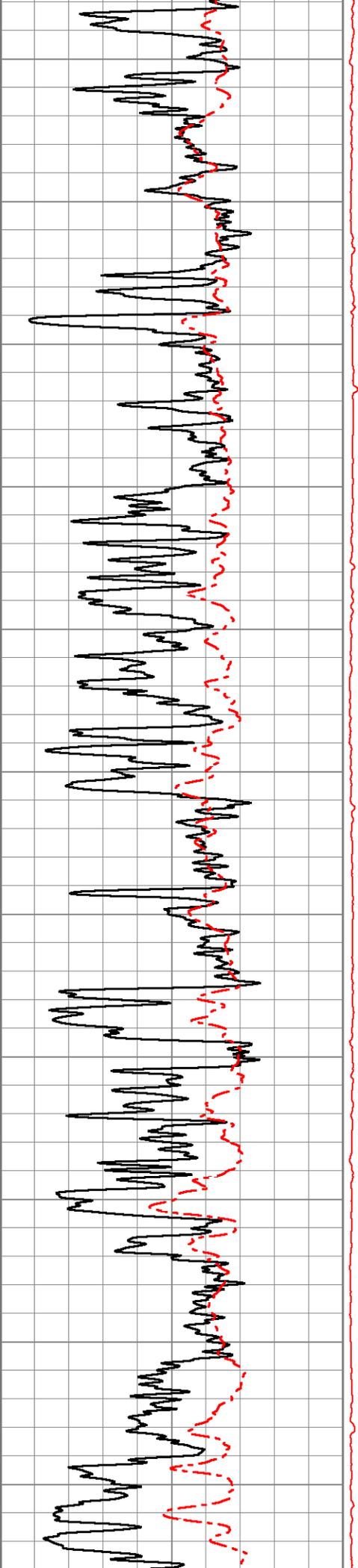


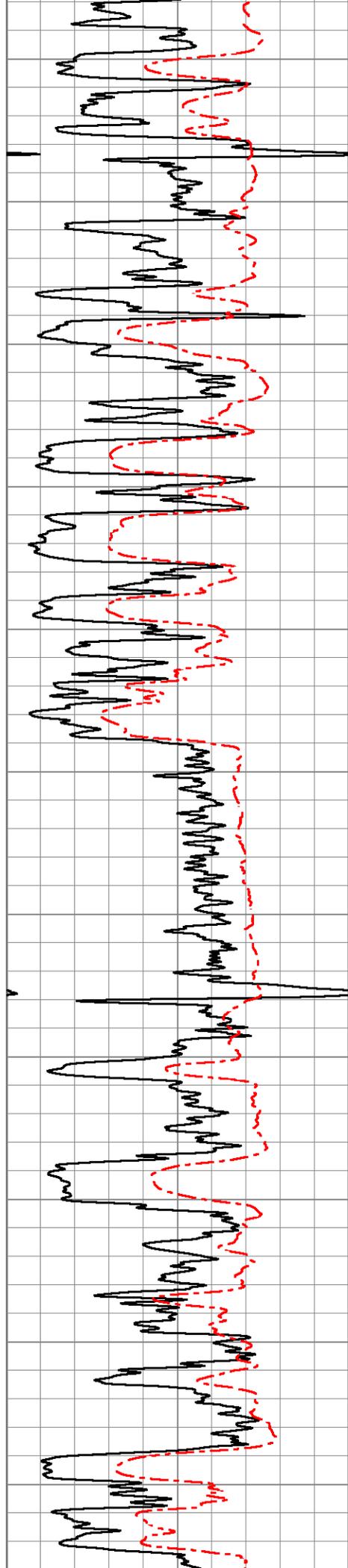
2" DUAL INDUCTION LOG

Database File ow2-9238 val energy.db
 Dataset Pathname pass3.11
 Presentation Format st_dil_2inch_6-16
 Dataset Creation Sat Nov 18 04:12:00 2023
 Charted by Depth in Feet scaled 1:600

0	GR (GAPI)	150	DEVI	1000	CILD (mmho/m)	0	
0	Spontaneous Potential (mV)	200	0 (deg)	15	1000	CILM (mmho/m)	0
0					RLL3 (Ohm-m)	50	
0					RILM (Ohm-m)	50	
0					RILD (Ohm-m)	50	







1200

1250

1300

1350

1400

1450

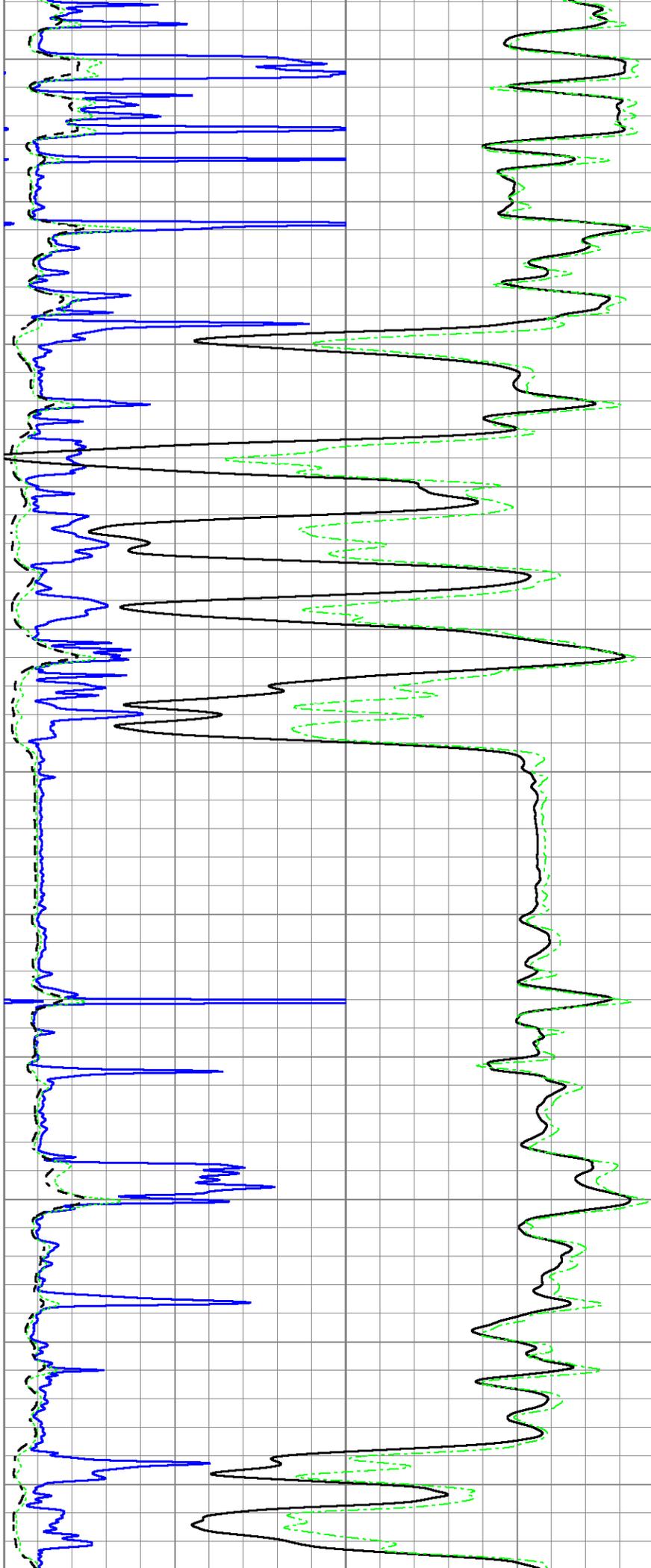
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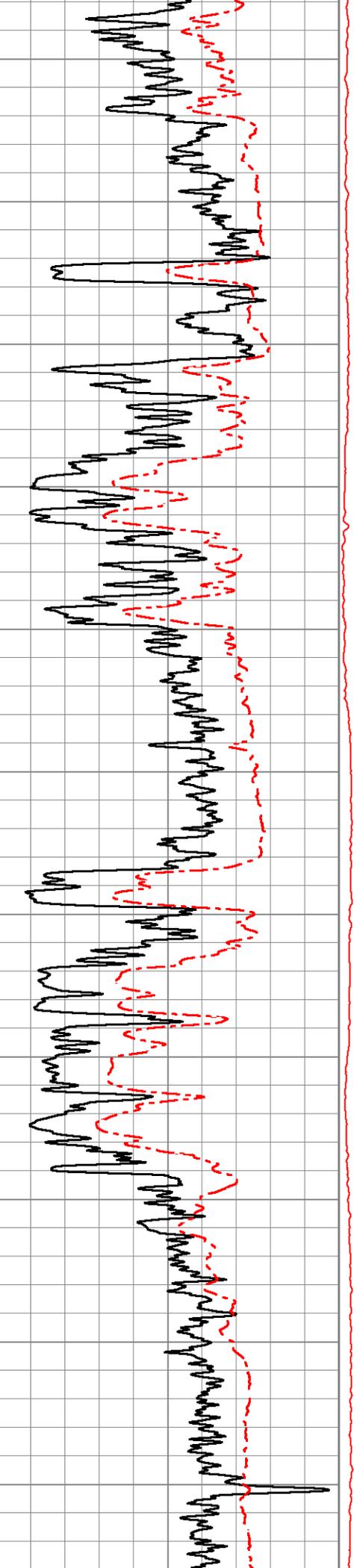
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1600

1650

1700





1750

1800

1850

1900

1950

2000

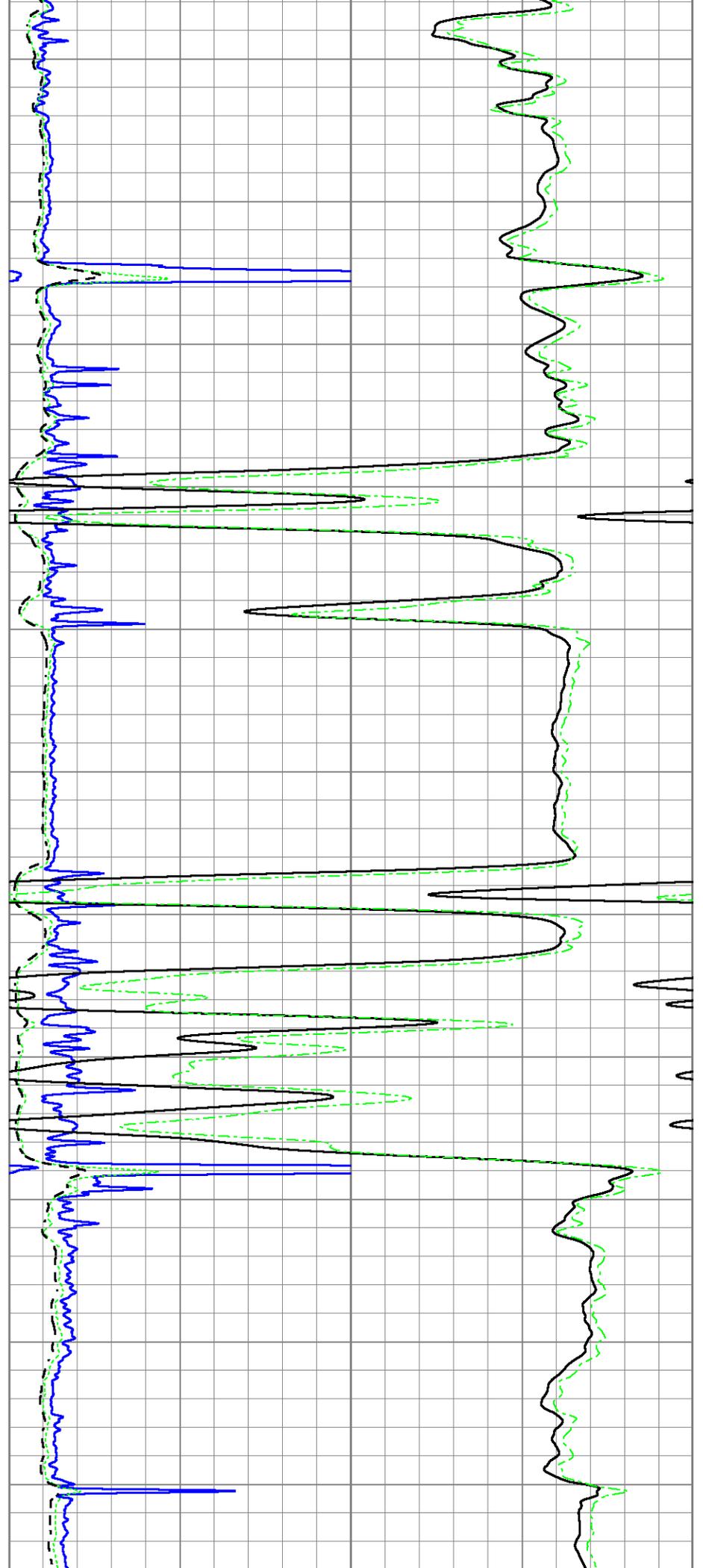
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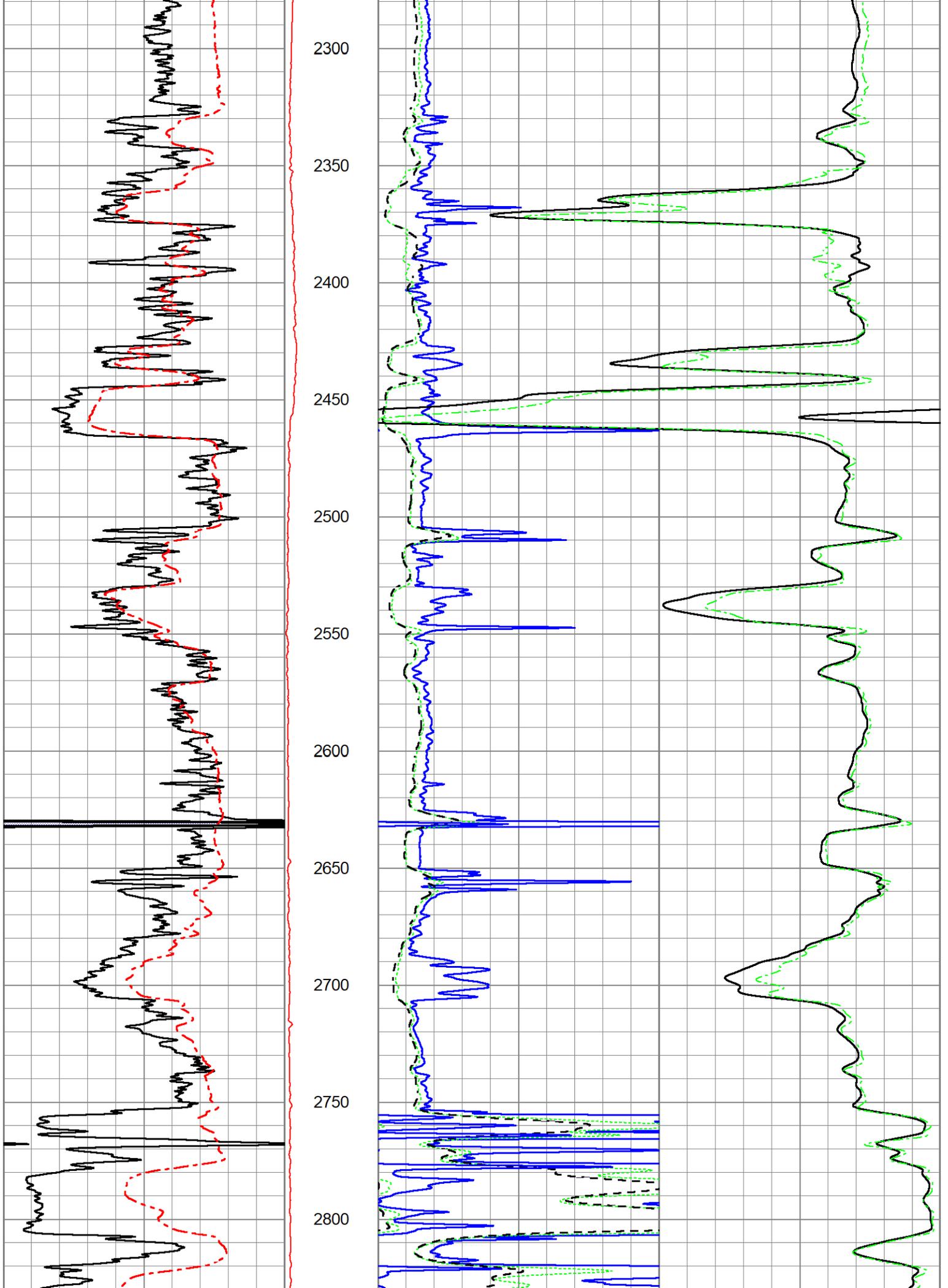
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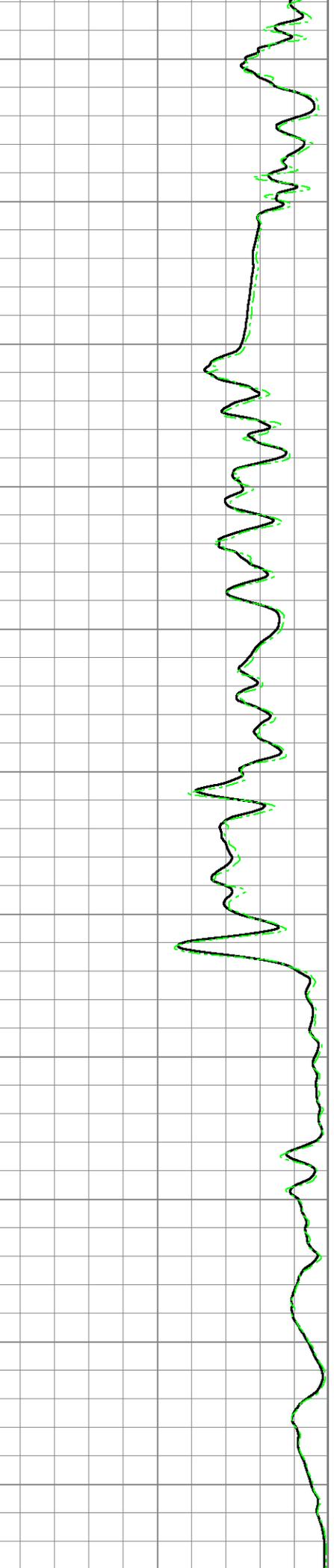
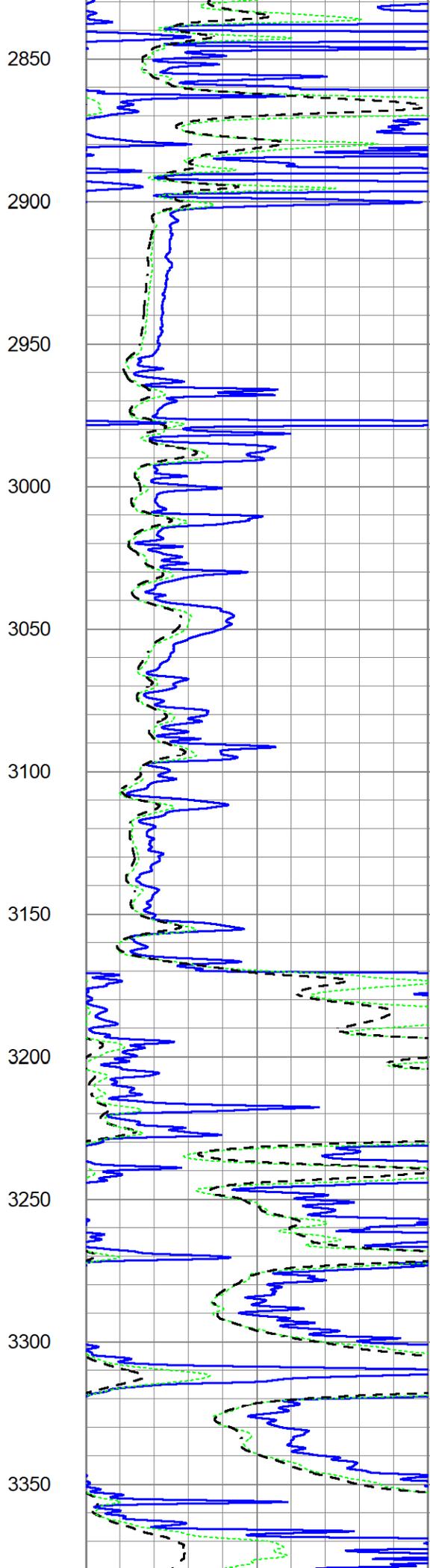
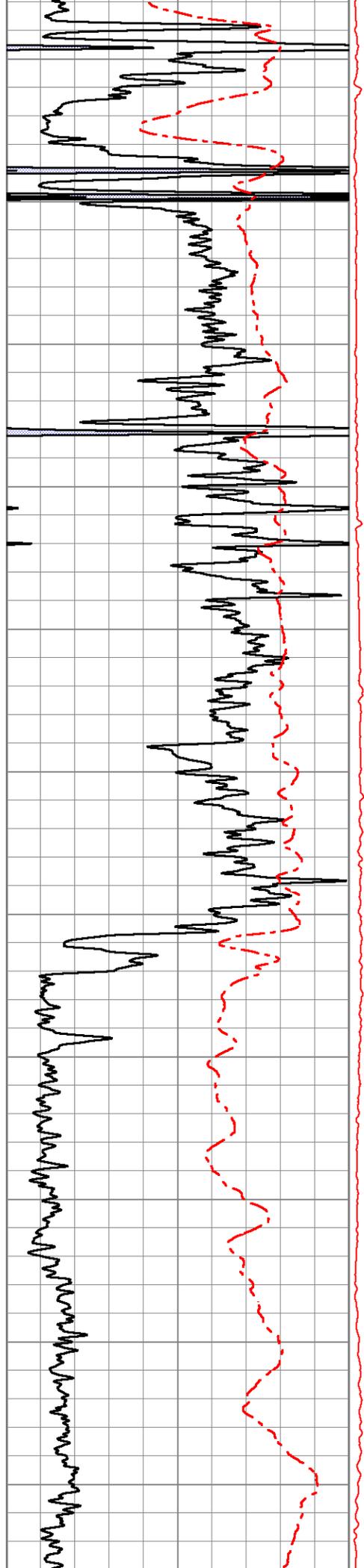
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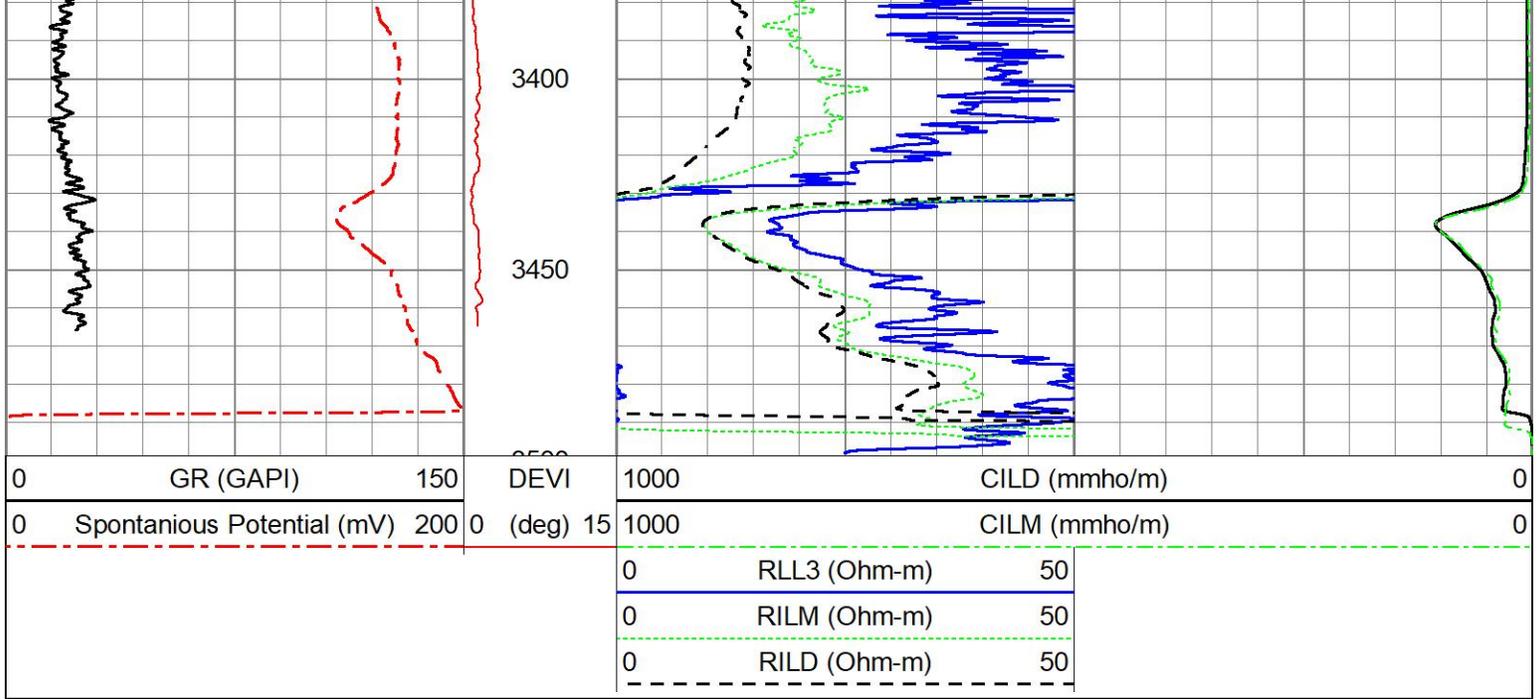
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2250





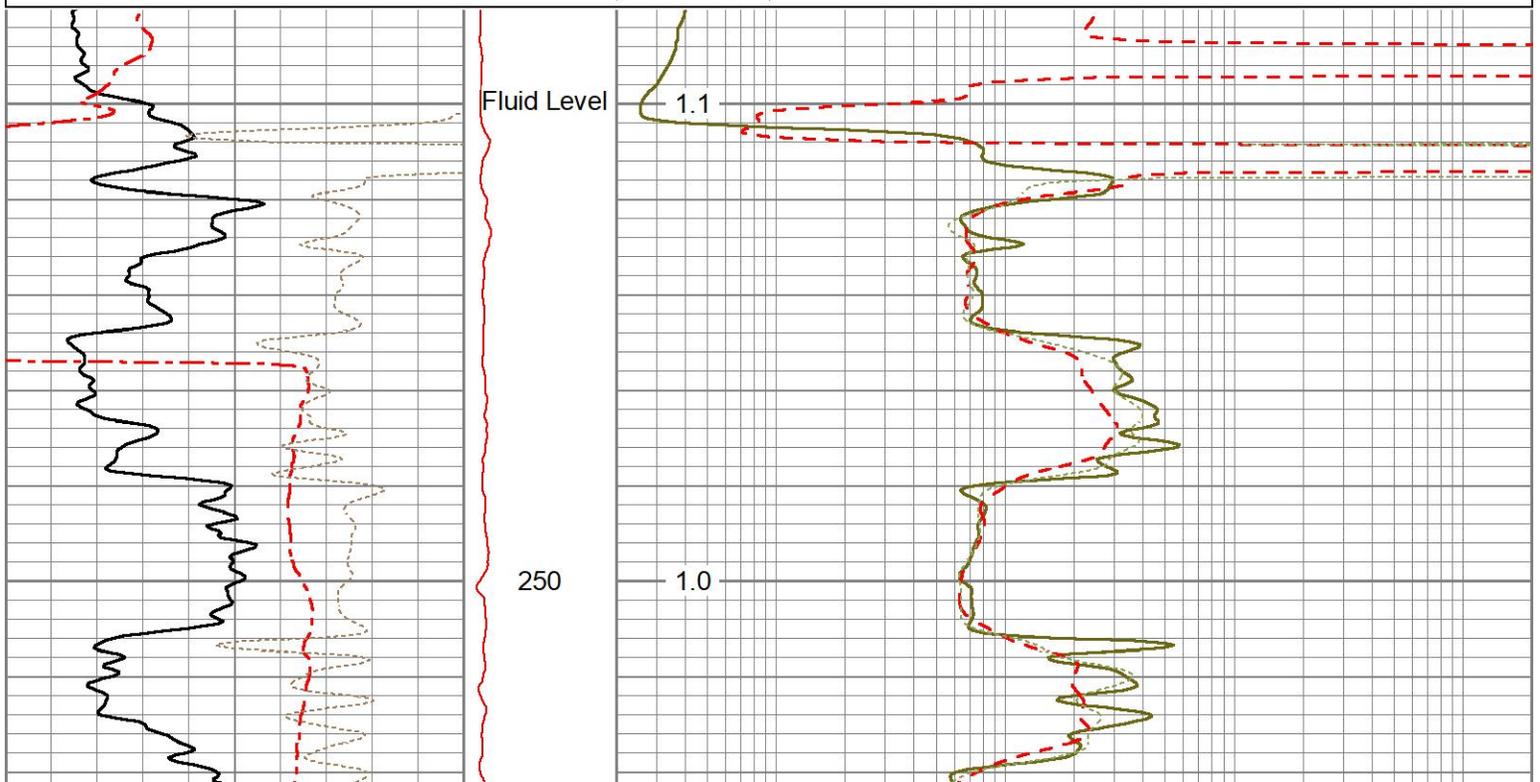


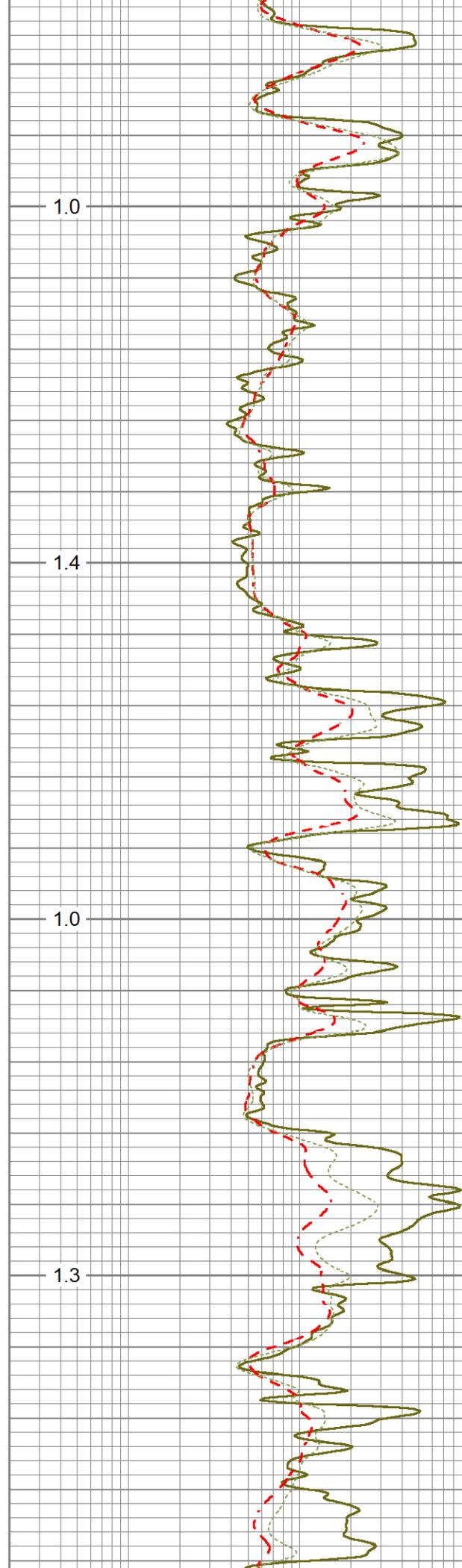
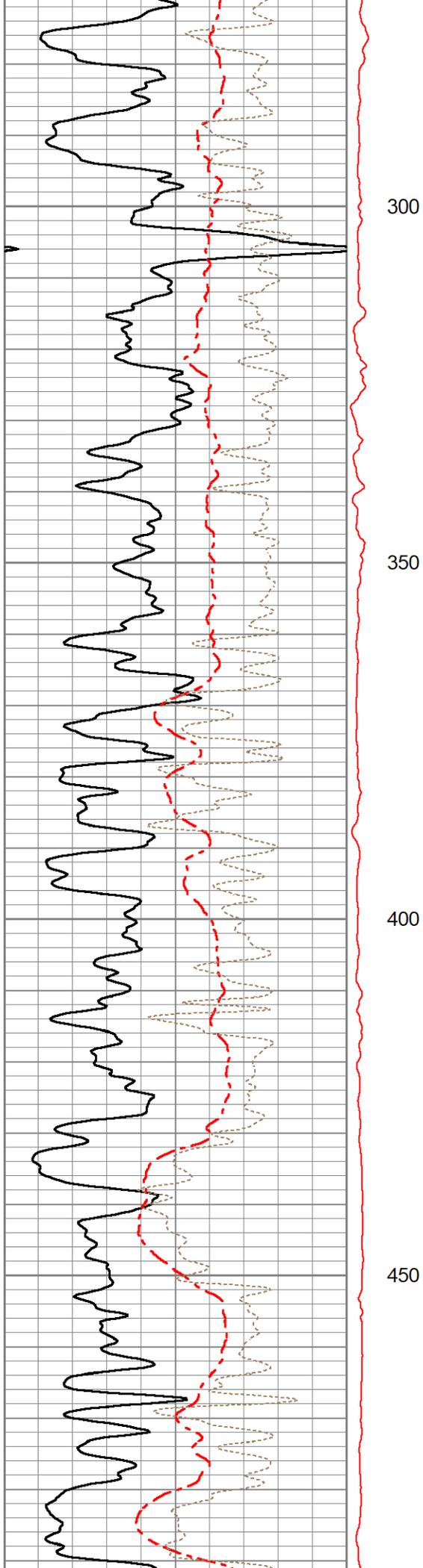


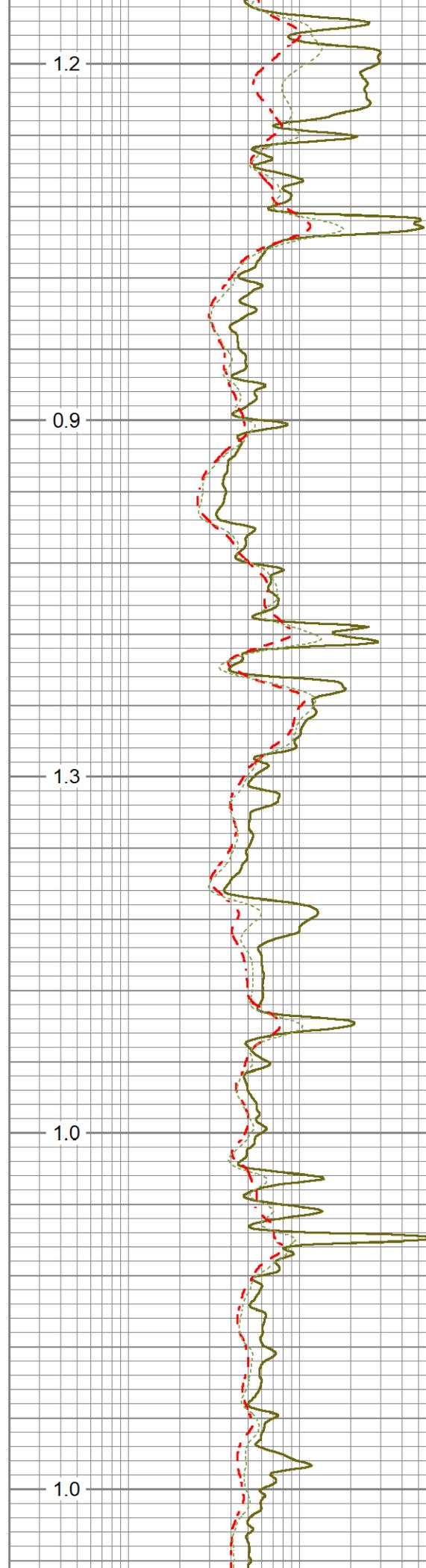
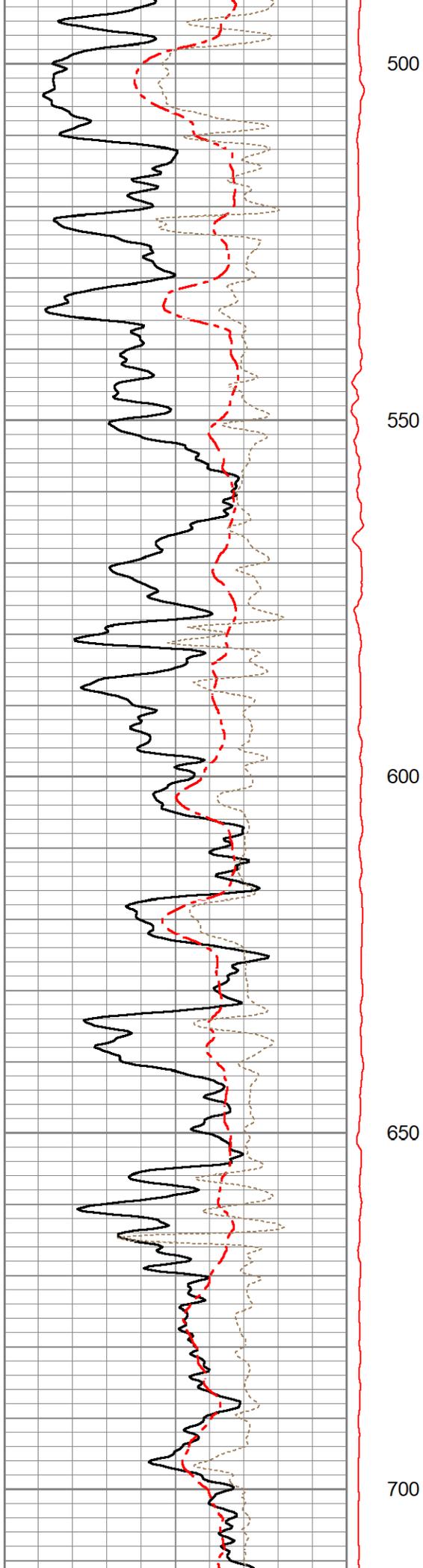
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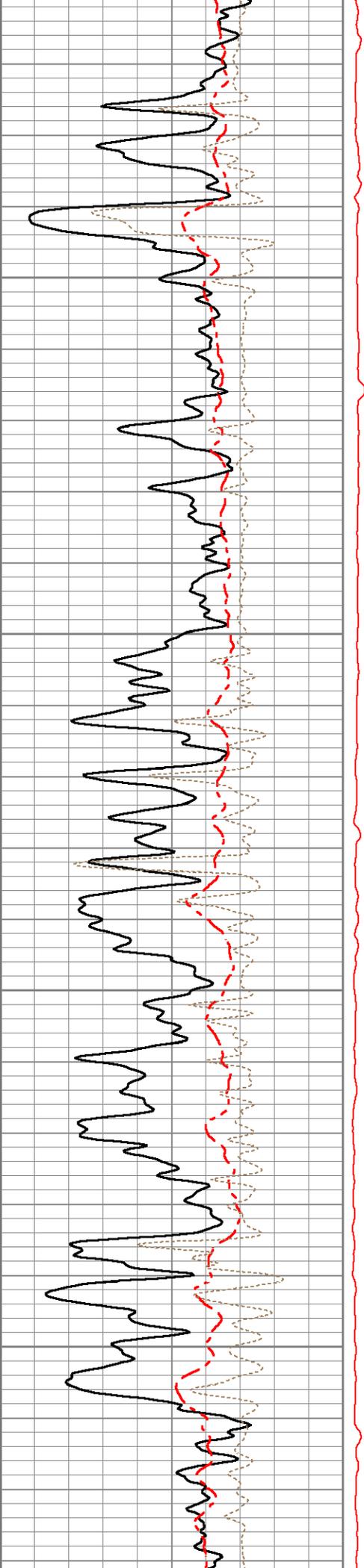
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 Dataset Pathname pass3.10
 Presentation Format st-dil_5
 Dataset Creation Sat Nov 18 04:11:41 2023
 Charted by Depth in Feet scaled 1:240

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0	Spontaneous Potential (mV)	200	(deg)	10	Deep Resistivity (Ohm-m)	2000
-150	Rxo\Rt	50		0.2	Medium Resistivity (Ohm-m)	2000
				DEVI (deg)		







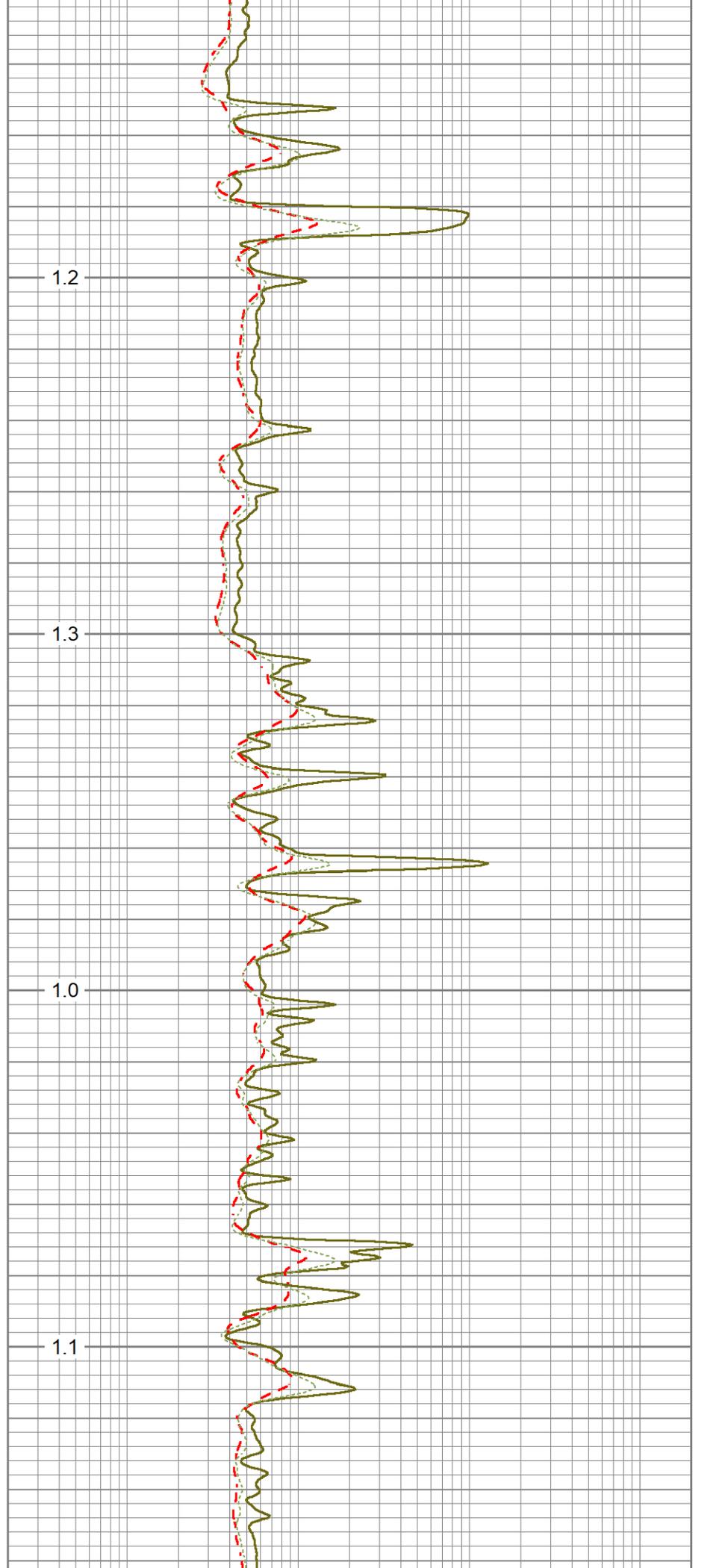


750

800

850

900

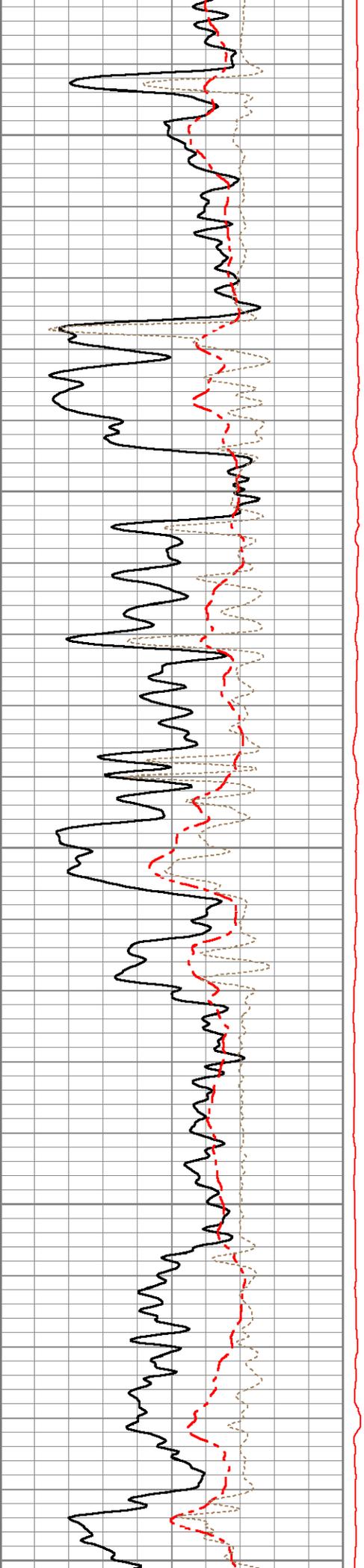


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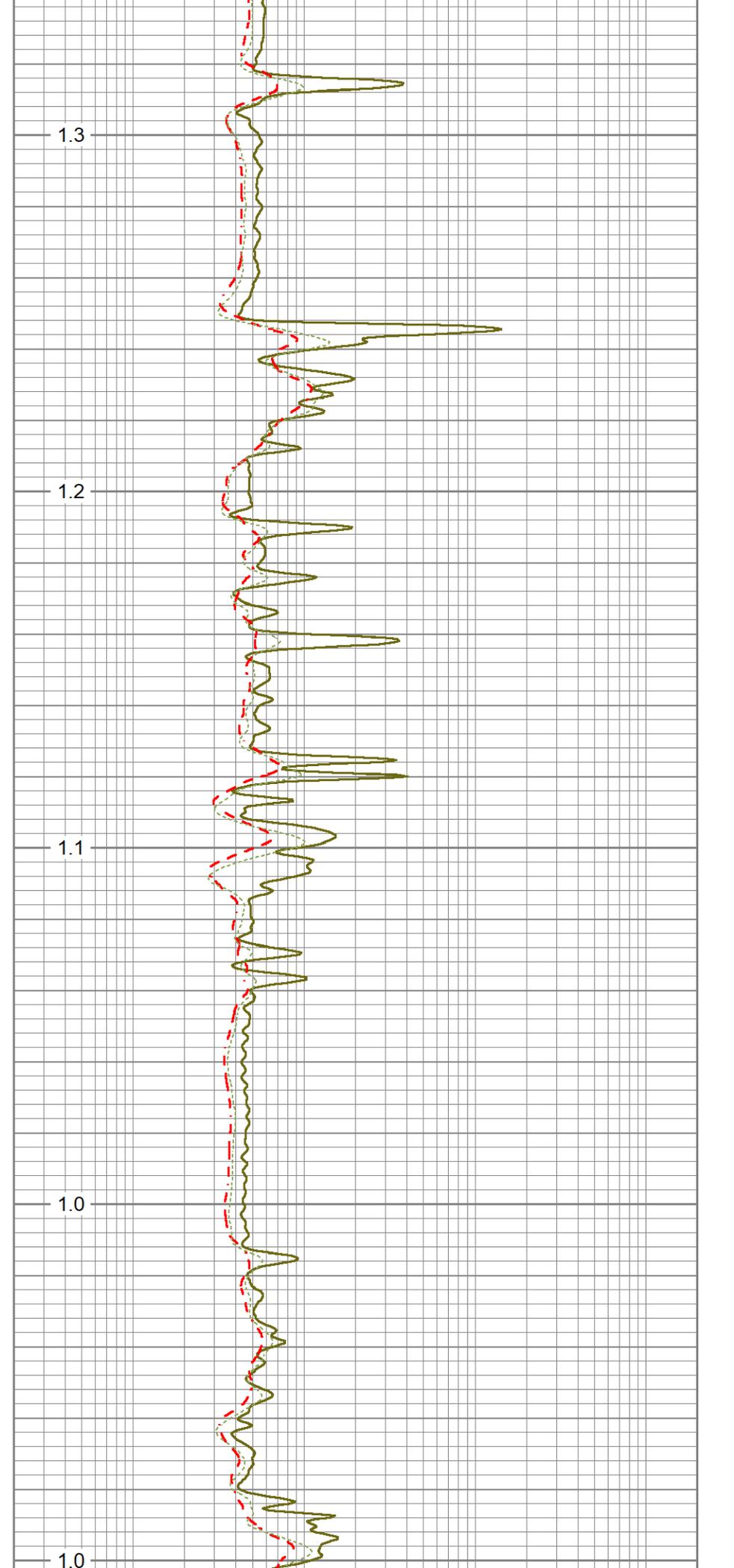
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1.0

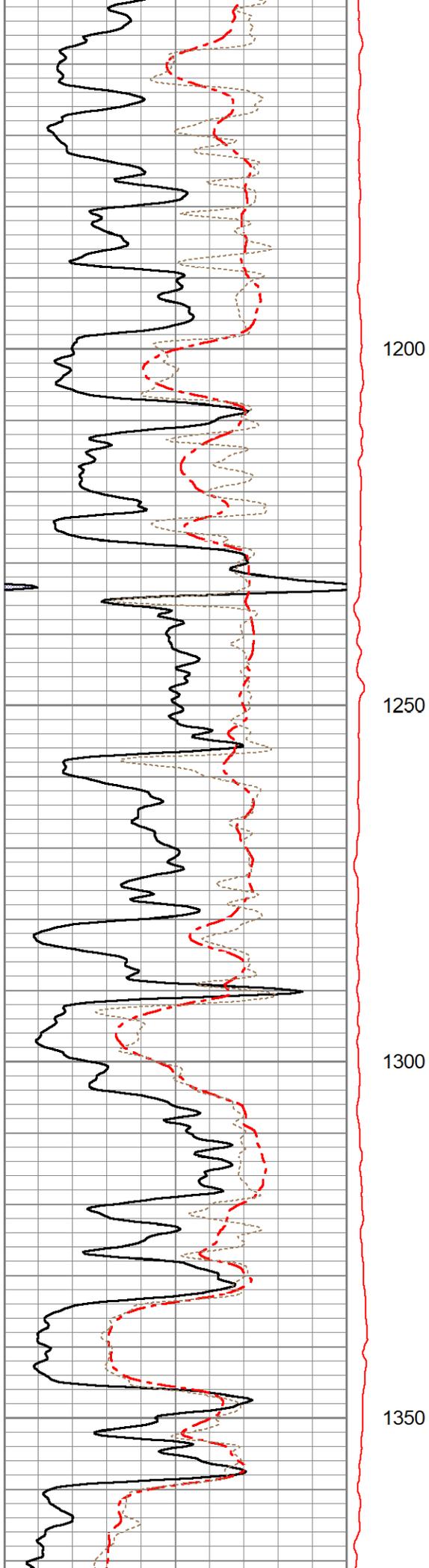
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950
1000
1050
1100
1150



1.0
1.1
1.2
1.3

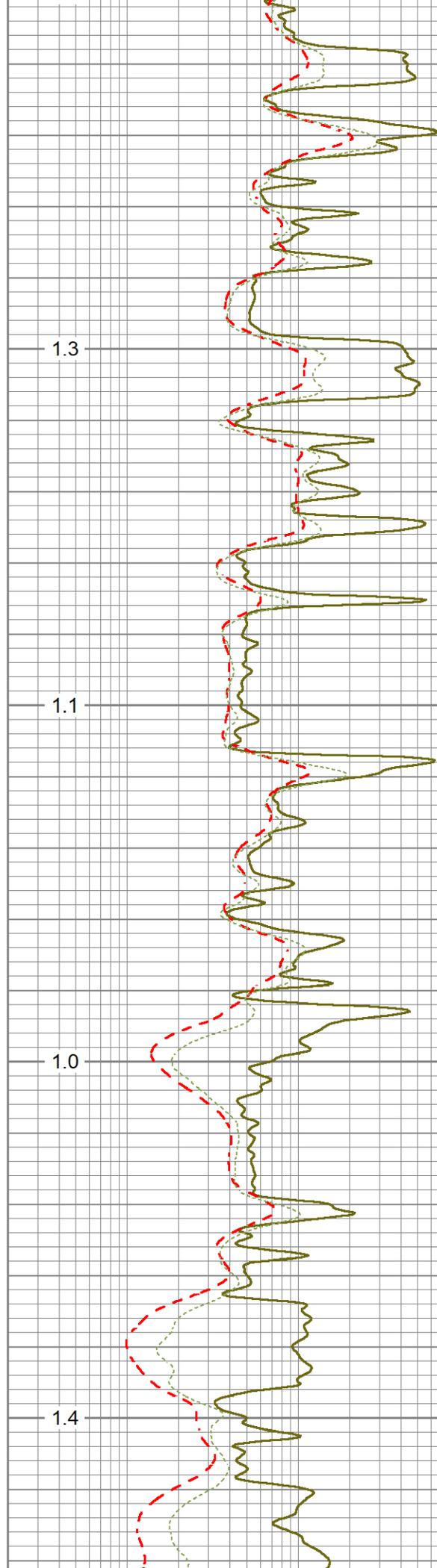


1200

1250

1300

1350

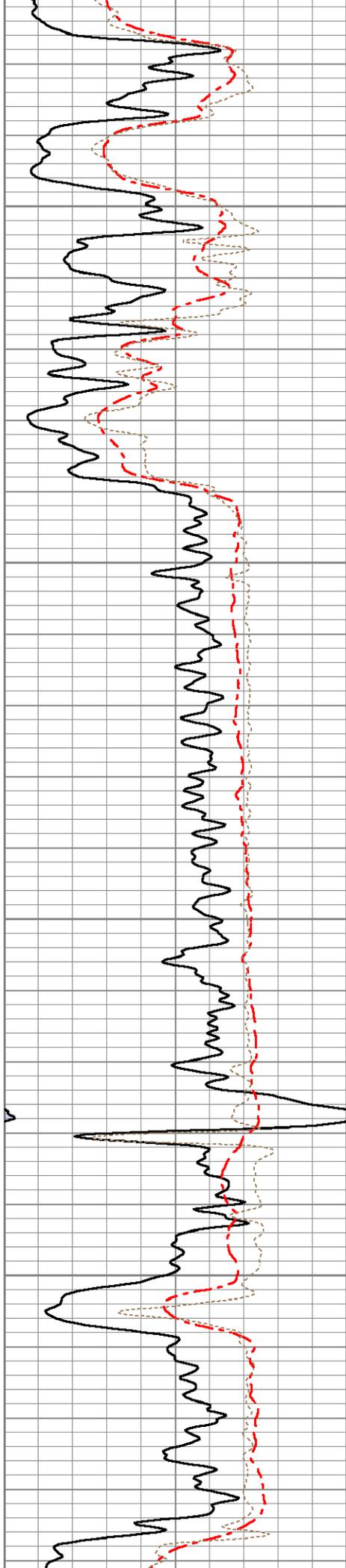


1.3

1.1

1.0

1.4



1400

1450

1500

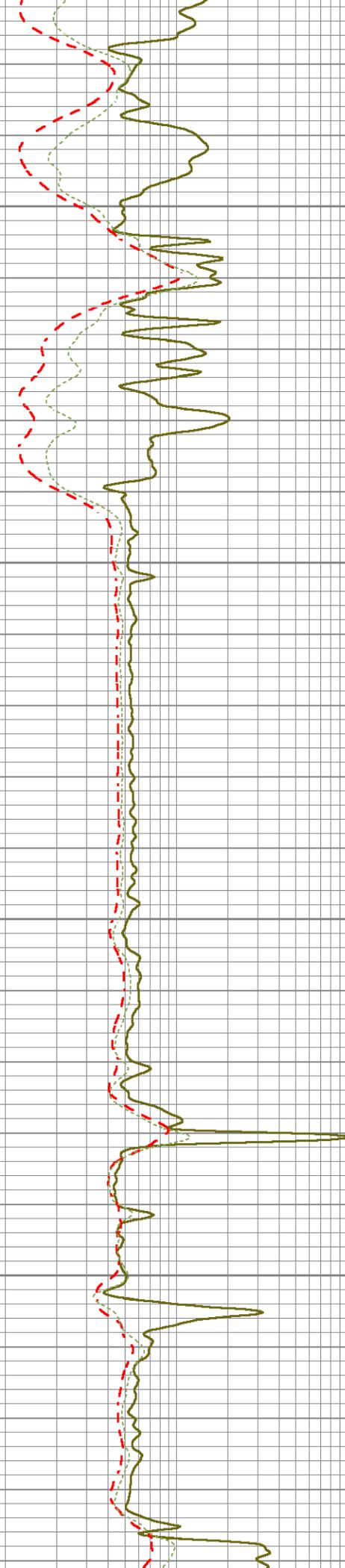
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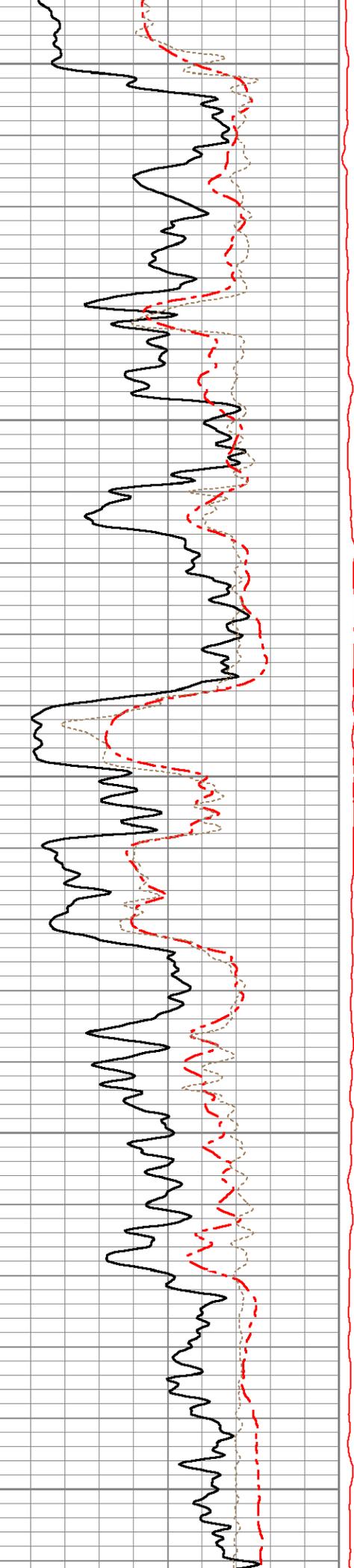
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0.6

0.6

1.0





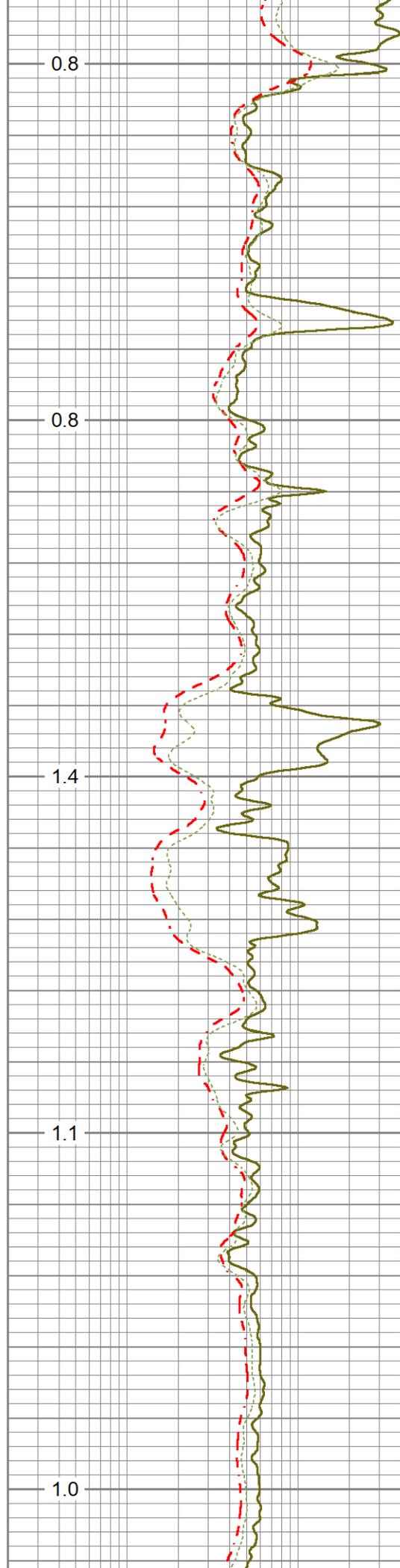
1600

1650

1700

1750

1800



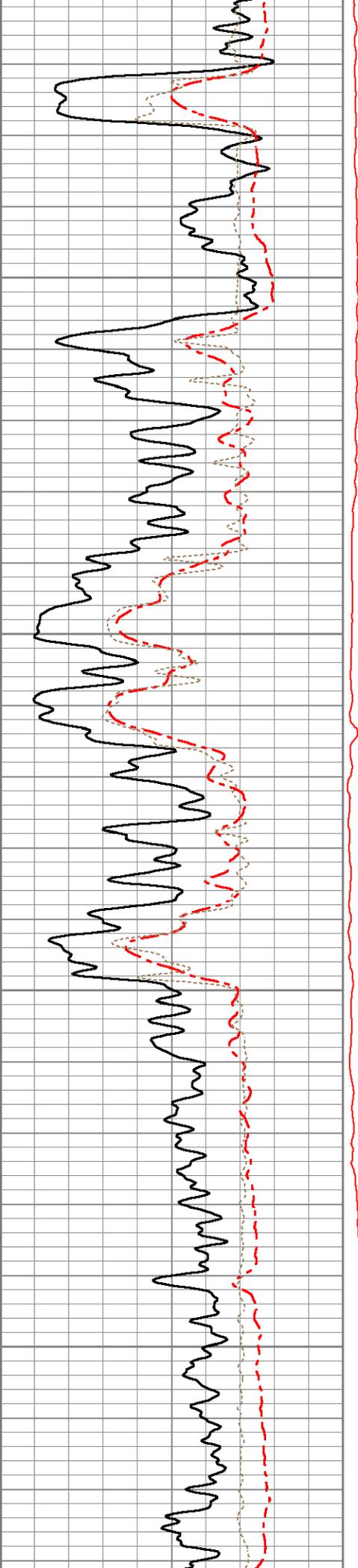
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0.8

1.4

1.1

1.0

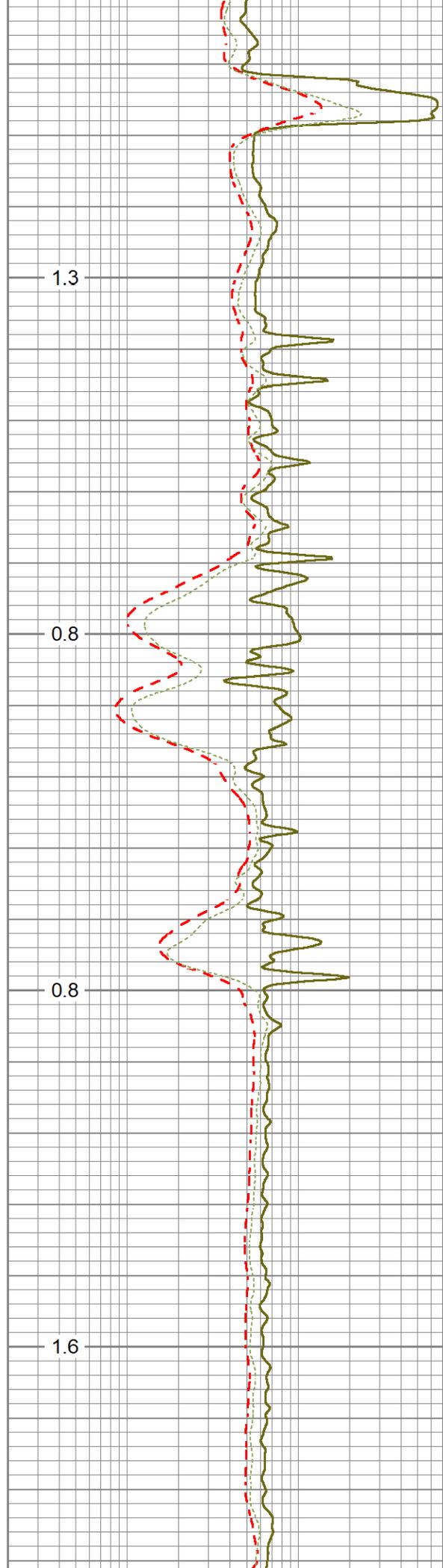


1850

1900

1950

2000

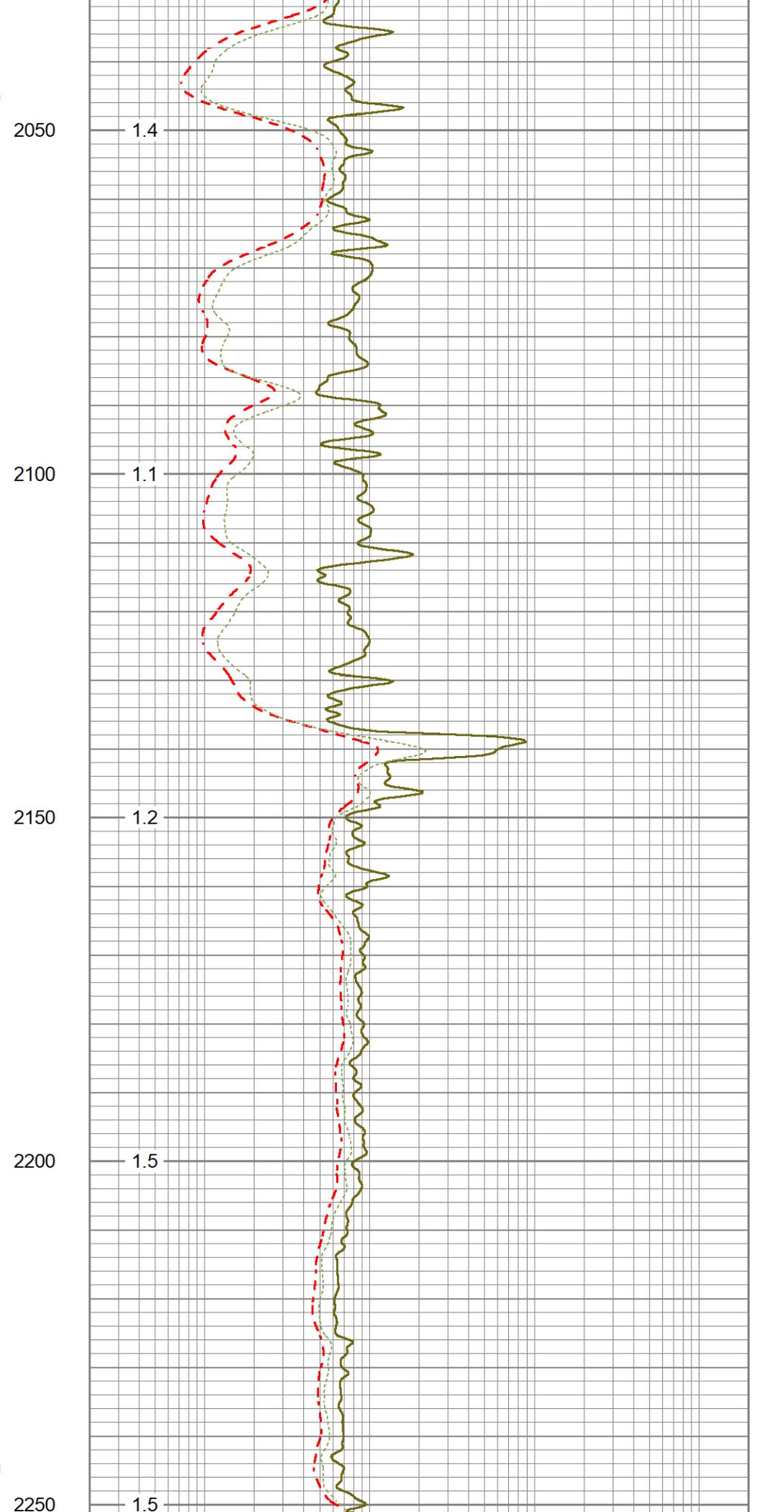
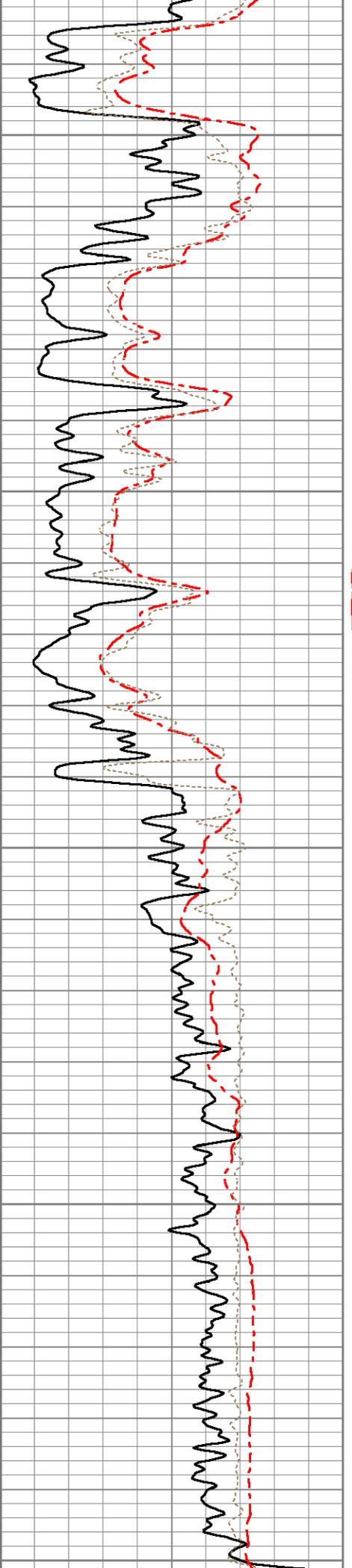


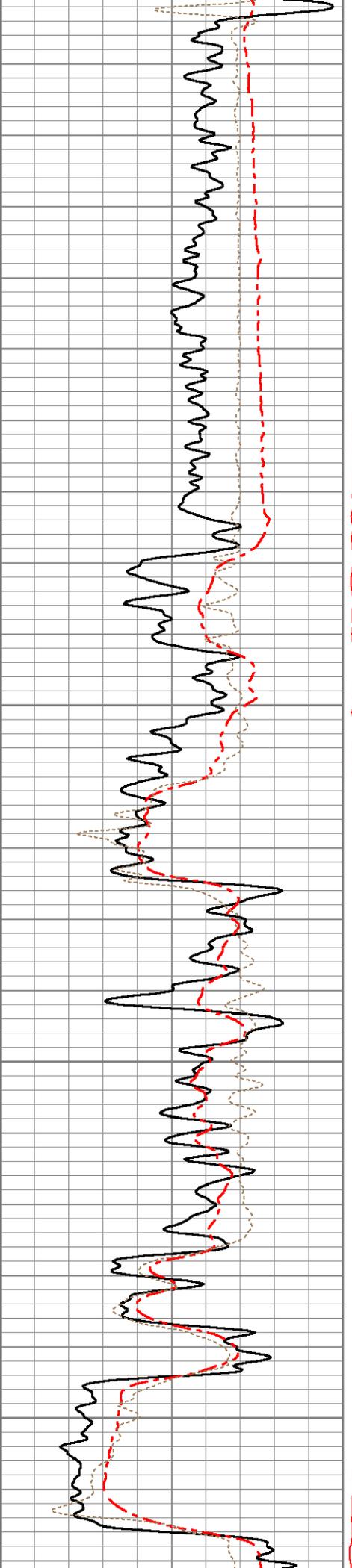
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1.6



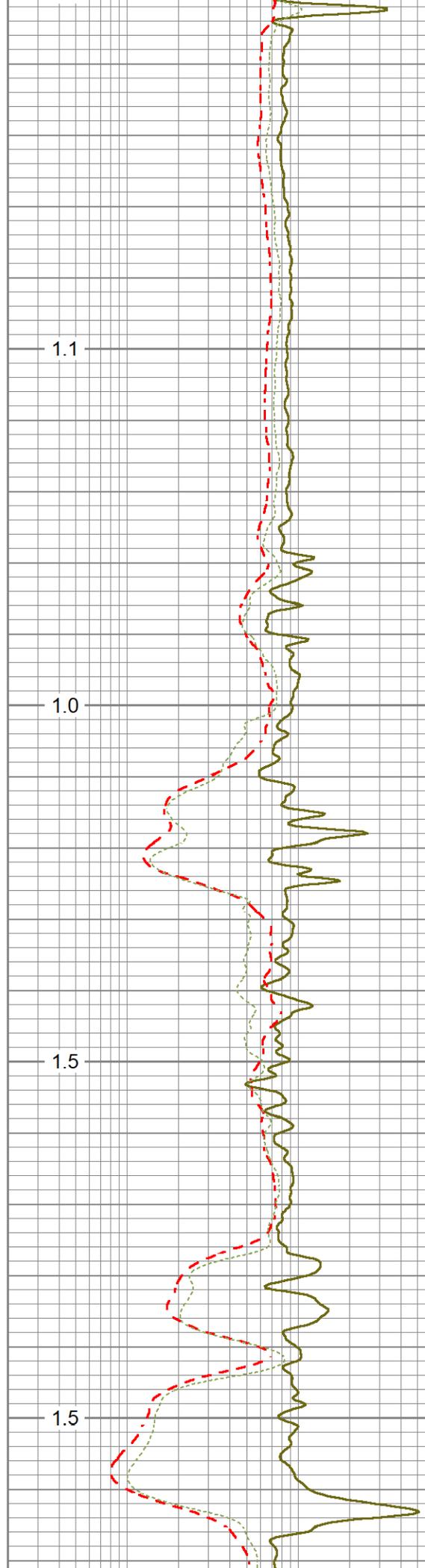


2300

2350

2400

2450

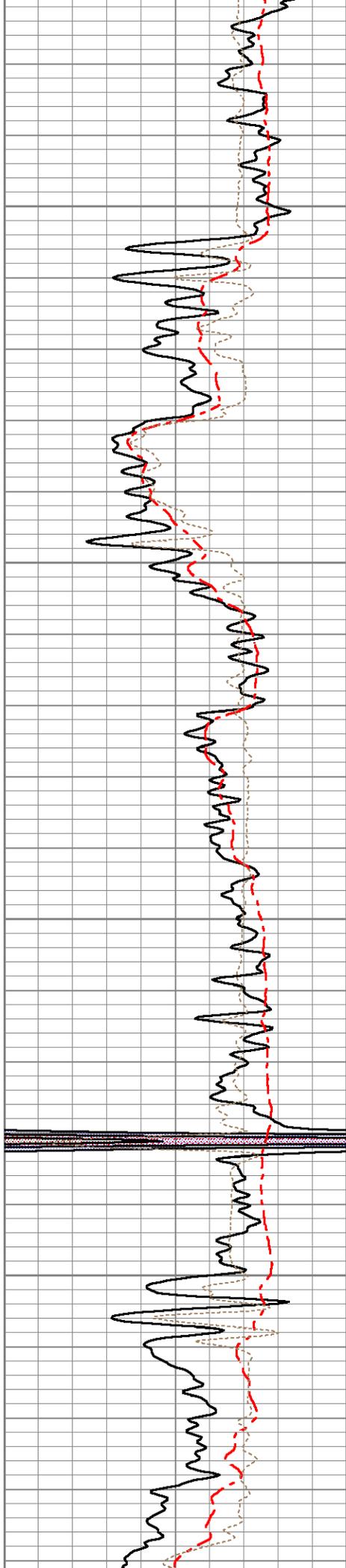


1.1

1.0

1.5

1.5



2500

2550

2600

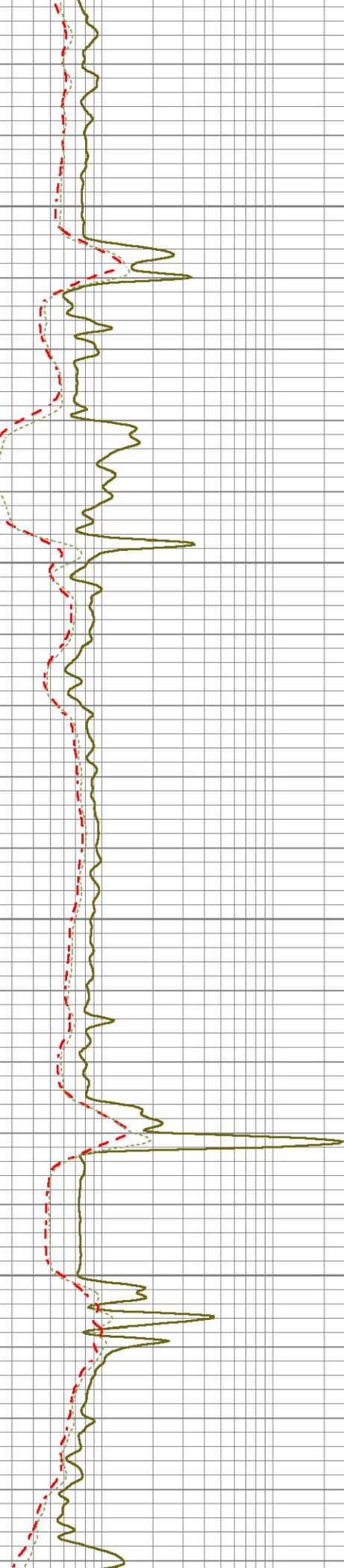
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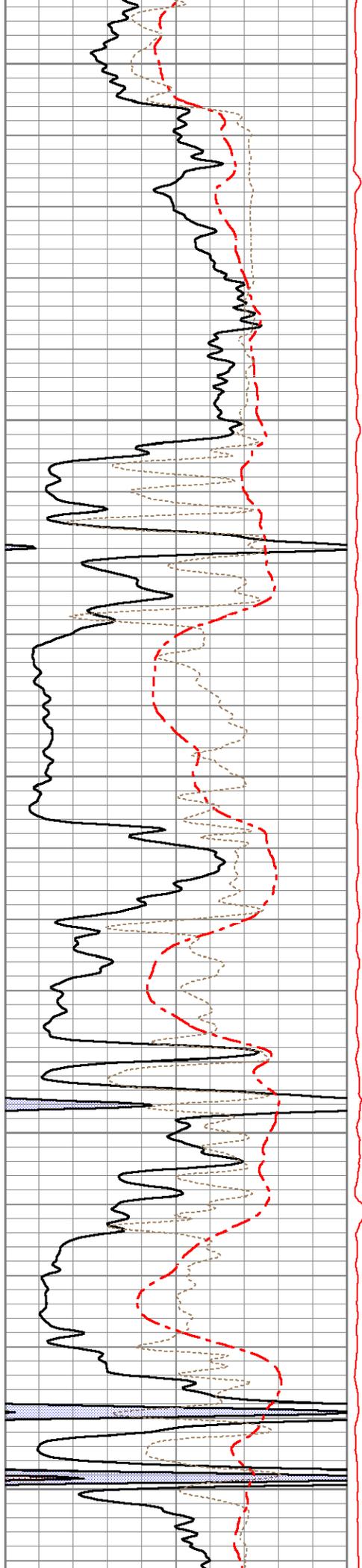
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0.2

0.5

0.5





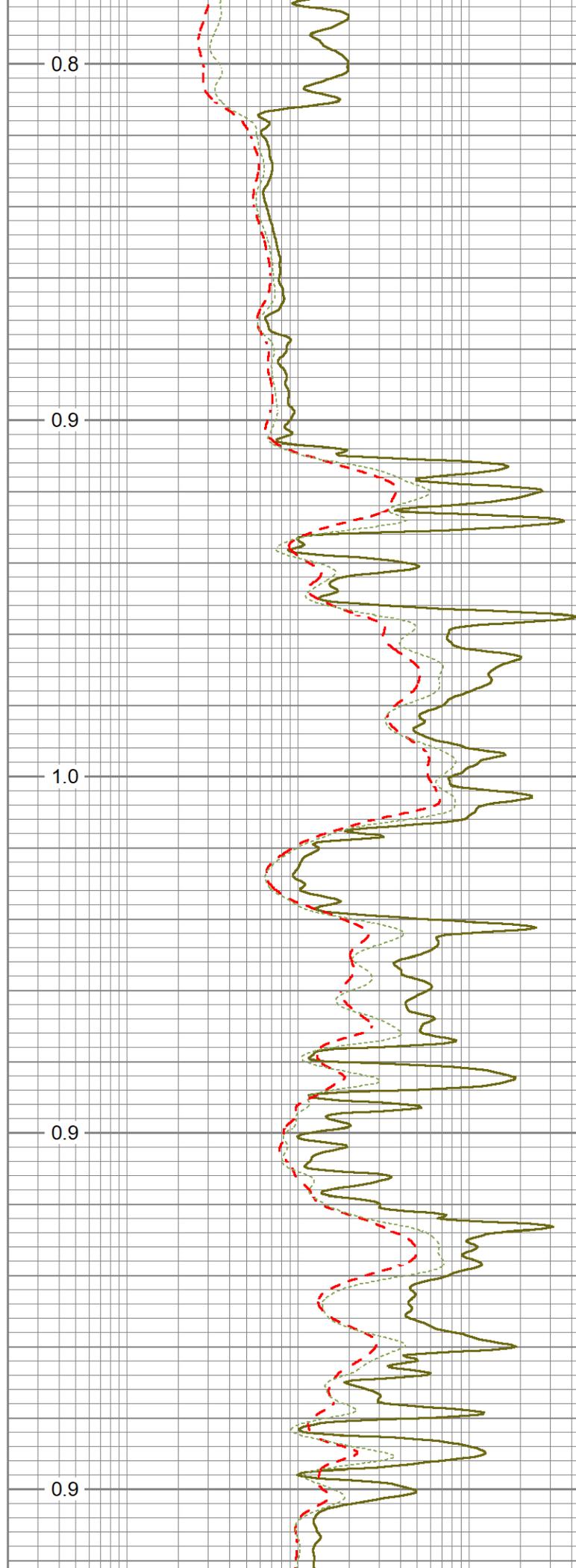
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2750

2800

2850

2900



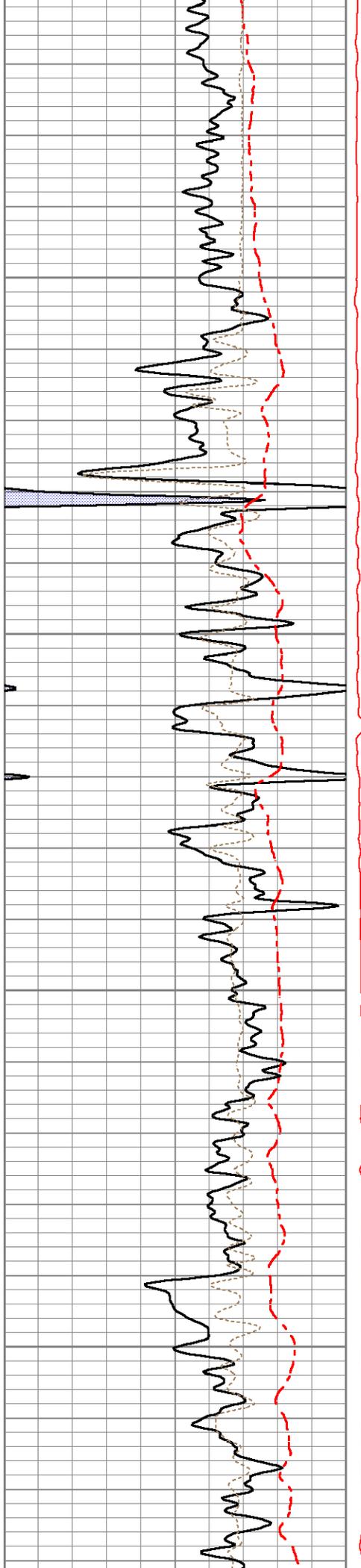
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0.9

1.0

0.9

0.9

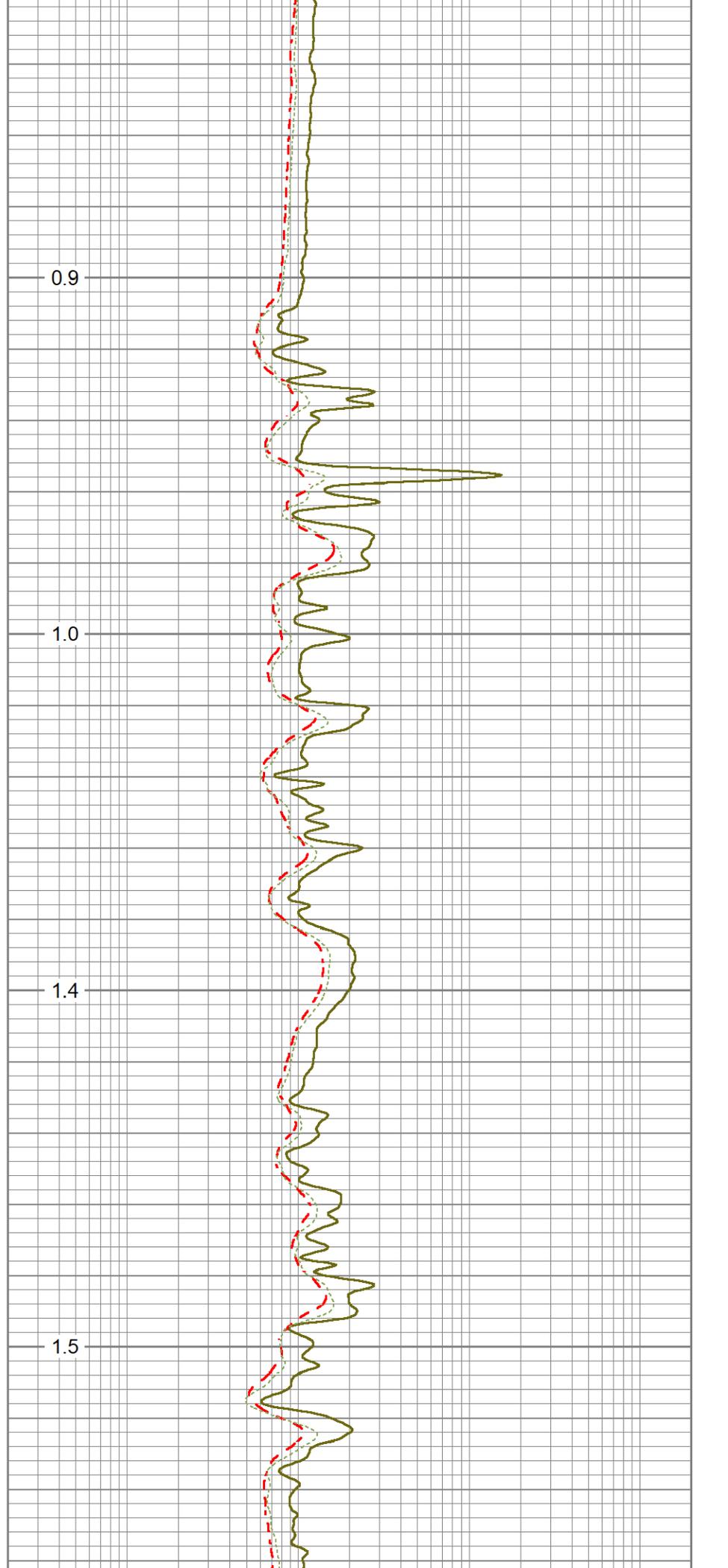


2950

3000

3050

3100

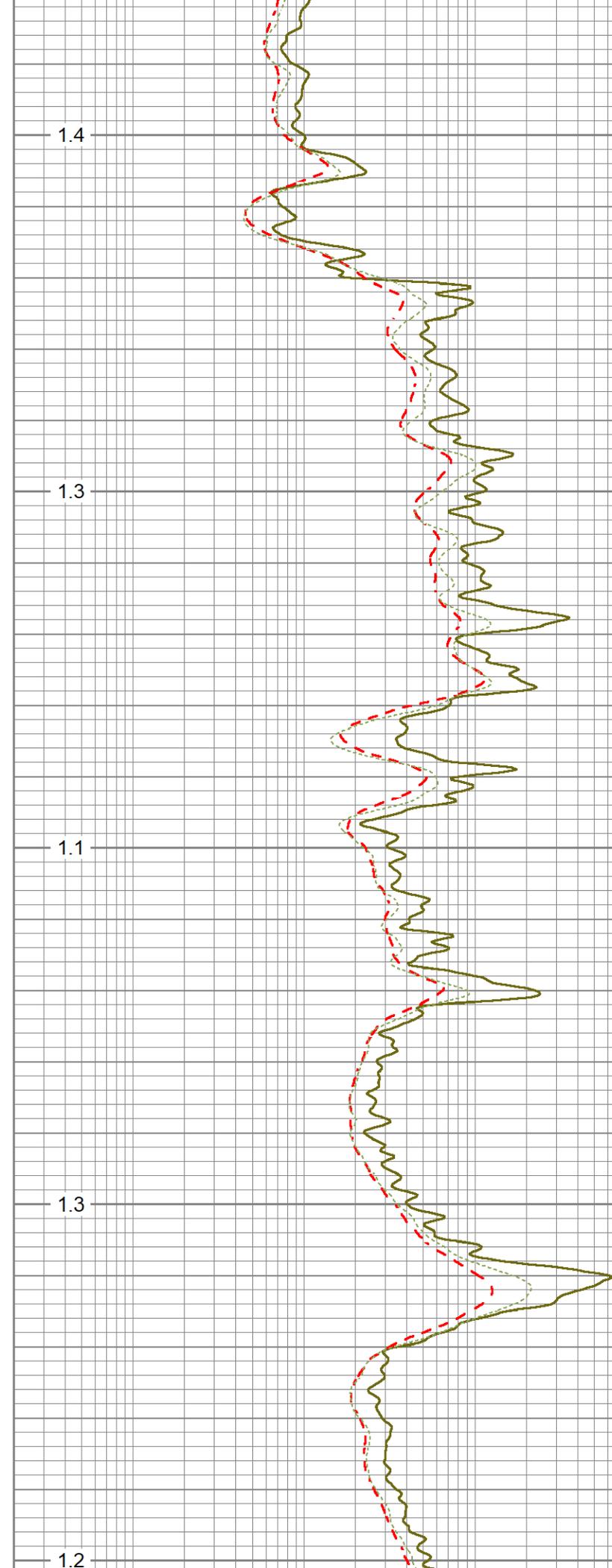
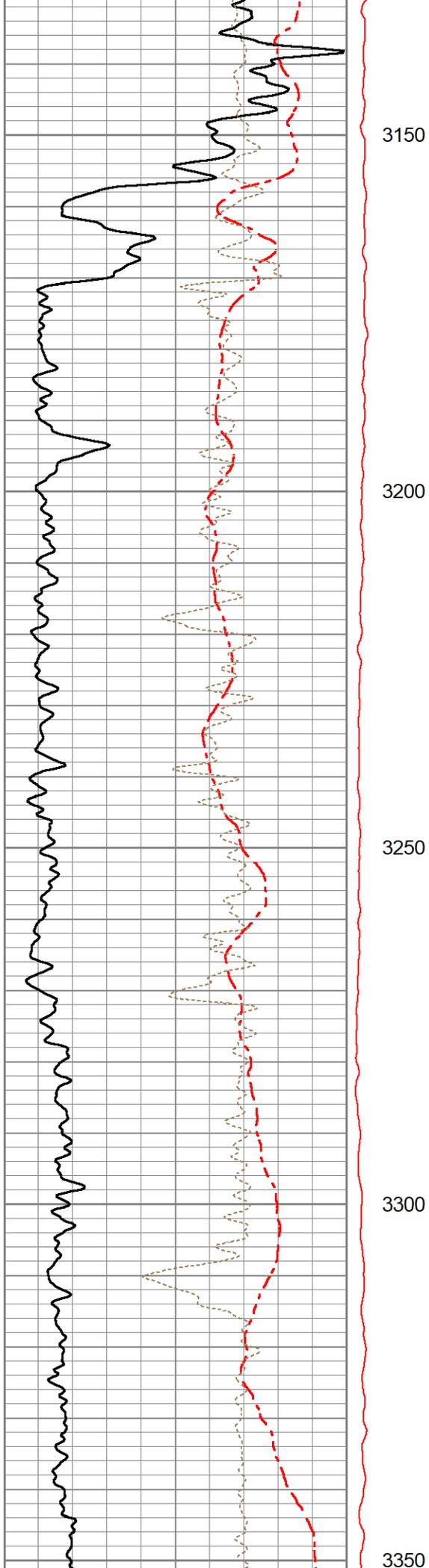


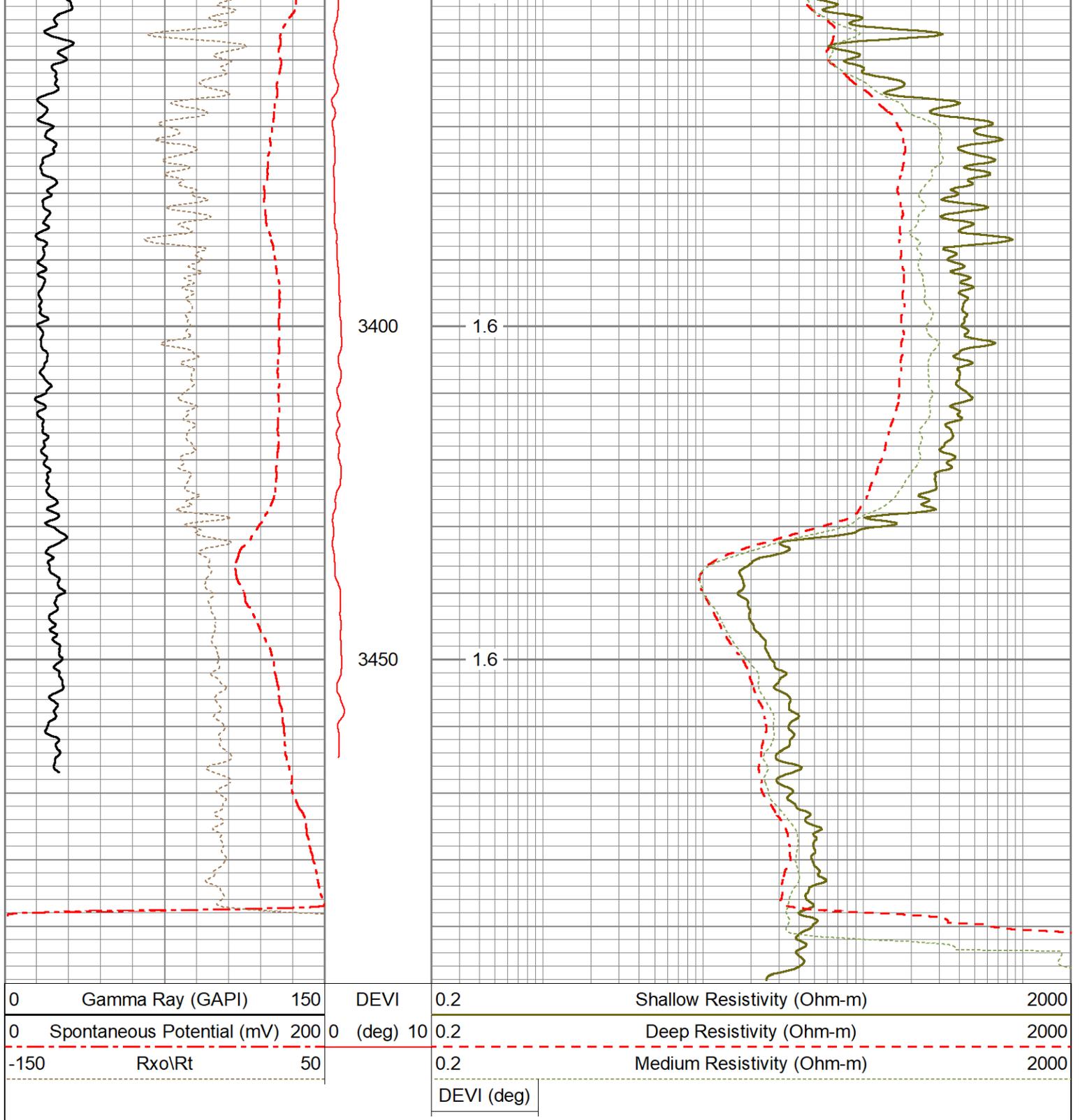
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1.0

1.4

1.5





Calibration Report

Database File ow2-9238 val energy.db
 Dataset Pathname pass3.10
 Dataset Creation Sat Nov 18 04:11:41 2023

Dual Induction Calibration Report

Serial-Model:	RedTool-G
Surface Cal Performed:	Sun Nov 5 11:22:14 2023
Downhole Cal Performed:	Tue Nov 17 10:50:14 2020
After Survey Verification Performed:	Tue Nov 17 10:50:14 2020

Surface Calibration

Readings

References

Results

Loop:	Air	Loop		Air	Loop		m	b
Deep	0.007	0.642	V	2.000	340.000	mmho/m	532.393	-1.685
Medium	0.010	0.728	V	4.000	420.000	mmho/m	578.792	-1.606
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354

Downhole Calibration								
	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-2.869	354.028	mmho/m	-0.044	350.323	mmho/m	0.982	2.773
Medium	-3.741	414.629	mmho/m	-0.037	400.340	mmho/m	0.957	3.543
LL3		9.500	V		2000.000	Ohm-m		
		0.000	V		25.000	Ohm-m		
		-9.500	V		4500.000	mmho-m		

After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-2.869	354.028	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-3.741	414.629	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		2.000	Ohm-m		
		0.000	Ohm-m		500.000	Ohm-m		
		0.000	mmho-m		1.000	mmho-m		

Microlog Calibration Report

Serial-Model: Performed:	070527-Osage Fri Dec 30 12:51:40 2022
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	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0028	0.0887	V	0.0000	10.0000	Ohm-m	109.2780	0.3082
Inverse	-0.0060	0.1128	V	0.0000	10.0000	Ohm-m	84.1776	0.5012
Caliper	1.7618	4.3262	V	5.1500	11.2500	in	2.3788	0.9590

Gamma Ray Calibration Report

Serial Number:	Refurb01
Tool Model:	OSAGE_01
Performed:	Mon Jan 18 09:02:16 2021
Calibrator Value:	150.0 GAPI
Background Reading:	125.0 cps
Calibrator Reading:	875.0 cps
Sensitivity:	0.2000 GAPI/cps

Inclinometer Calibration Report

Performed:	Mon Aug 21 11:21:13 2023					
	Low Read.	High Read.		Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00		-1.00	1.00	gee
Y Accelerometer						

Y Accelerometer

205.00

1843.00

-1.00

1.00

gee

Z Accelerometer

gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	31.04		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
ACCX	31.04					
GR	29.86					
FRAMES	28.54		MICRO_DIG-Osage (070527) Digital Microlog	7.21	5.13	137.00
SSTAT	28.54					
PSTAT	28.54					
ASTAT	28.54					
MI	23.00		DIL-G (RedTool) Gearhart	21.33	4.00	290.00
MN	23.00					
MCAL	22.00					
ASTAT2	21.33					
SP	10.92	RLL3	1.65			
CILD	10.92					
CILM	7.00	TR_Mon	0.00			
RLL3	1.65					
TR_Mon	0.00					

Dataset: ow2-9238 val energy.db: field/well/run1/pass3.10

Total length: 32.23 ft

Total weight: 480.00 lb

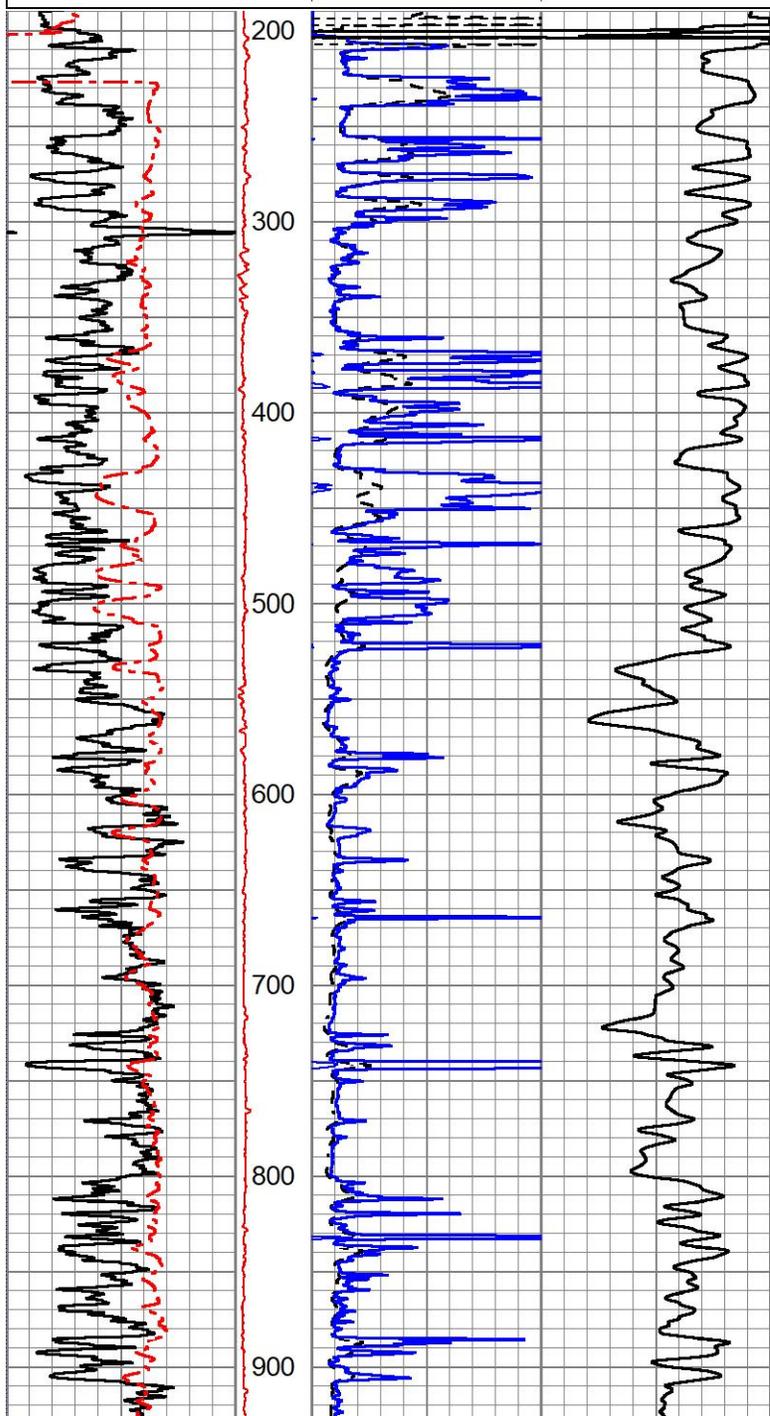
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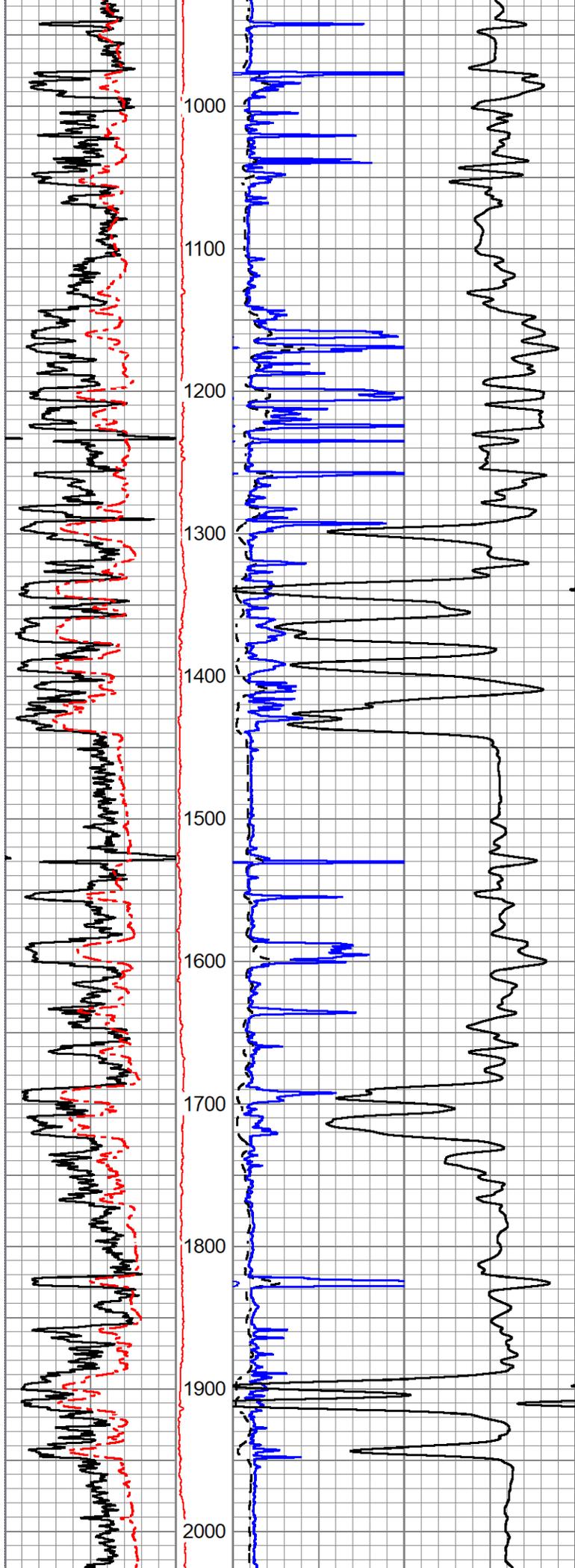


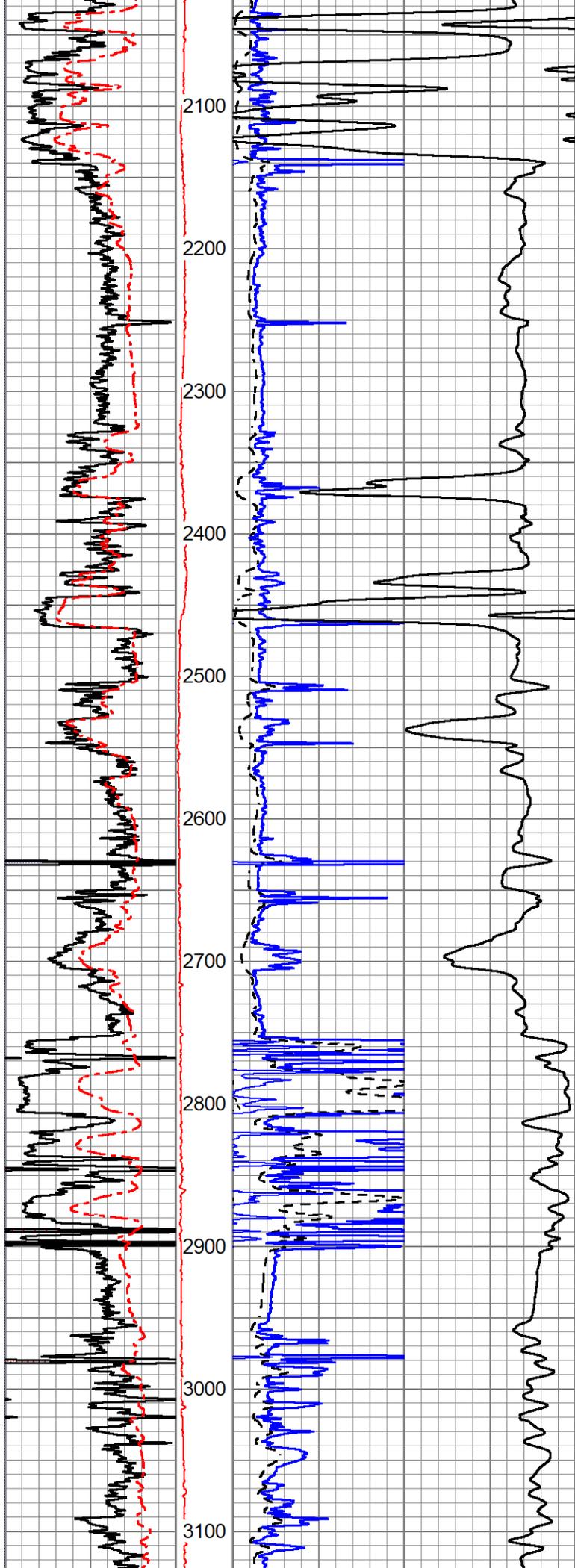
1" INDUCTION LOG

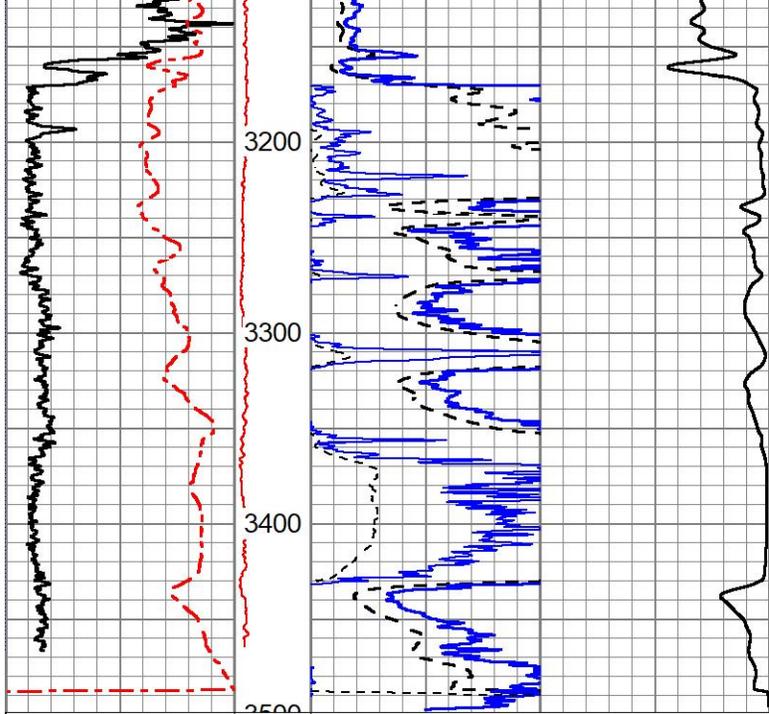
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Dataset Pathname pass3.12
Presentation Format st_dil_1inch_6-16
Dataset Creation Sat Nov 18 04:12:08 2023
Charted by Depth in Feet scaled 1:1200

0 GR (GAPI)150	DEVI	1000	CILD (mmho/m)	0
0 SP (mV) 200	(deg)	RILD		
	0 10	0	(Ohm-m) 50	
		RLL3		
		0	(Ohm-m) 50	









0	GR (GAPI) 150	DEVI	1000	CILD (mmho/m)	0
0	SP (mV) 200	(deg)		RILD	
		0 10		0 (Ohm-m) 50	
				RLL3	
				0 (Ohm-m) 50	



1" INDUCTION LOG