



DUAL INDUCTION
LL3/GR LOG

Company VAL ENERGY INC
Well J.O. # SWD
Field ALBRIGHT
County COWLEY State KANSAS

Location: API #: 15-035-24770-00-00
SW NE NE NW
347' FNL & 3148' FEL
SEC 2 TWP 34S RGE 5E
Permanent Datum GL Elevation 1229
Log Measured From KB
Drilling Measured From KB 9
Other Services
MICRO
CDLN
Elevation
K.B. 1238
D.F. 1237
G.L. 1229

Date	11-23-2022
Run Number	ONE
Depth Driller	3592
Depth Logger	3592
Bottom Logged Interval	3590
Top Log Interval	SURFACE
Casing Driller	8.625" @ 205'
Casing Logger	8.625" @ 205'
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.2 / 45
pH / Fluid Loss	10 / 8.8
Source of Sample	PIT
Rm @ Meas. Temp	2.1 @ 70
Rmf @ Meas. Temp	1.68 @ 70
Rmc @ Meas. Temp	2.52 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1.26 @ 112
Time Circulation Stopped	12:30 PM
Time Logger on Bottom	4:30 PM
Maximum Recorded Temperature	112
Equipment Number	OW2
Location	HOMINY, OK
Recorded By	SHELDON TYLER
Witnessed By	MR. WOLFE

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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

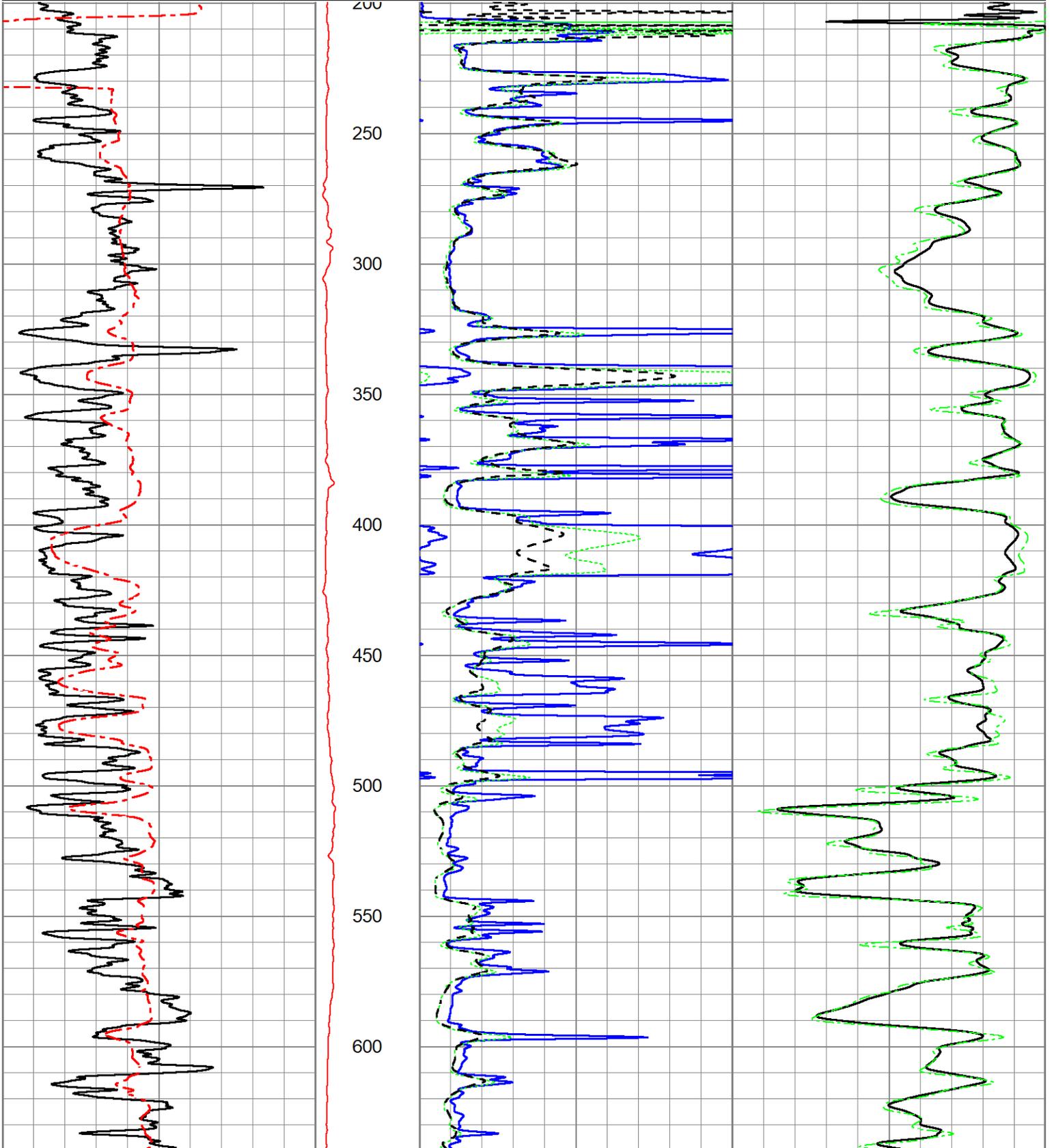
FILE # OW2-9154 VAL ENERGY
KIDD, HUNTER
THANK YOU FOR USING OSAGE WIRELINE

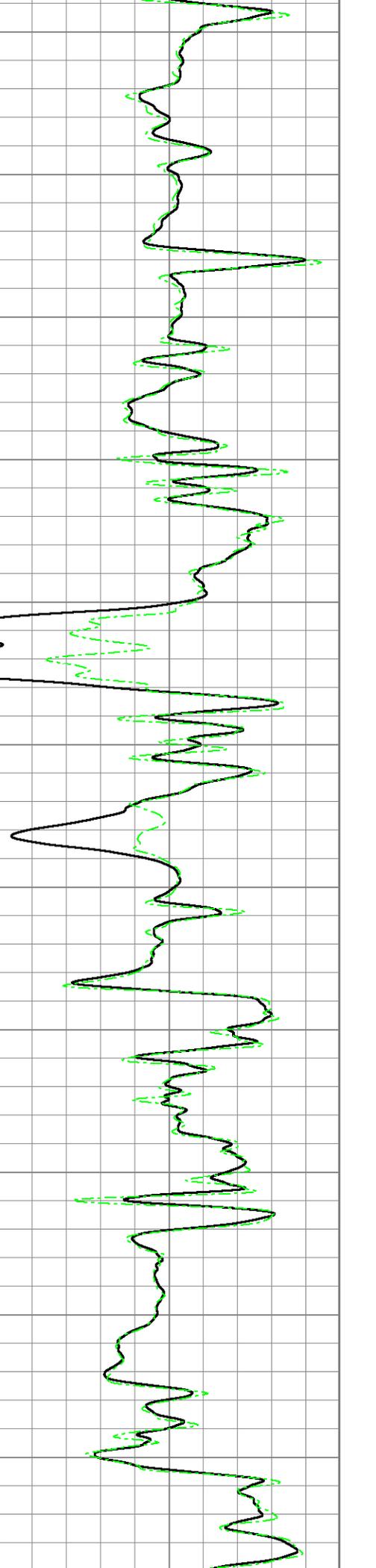
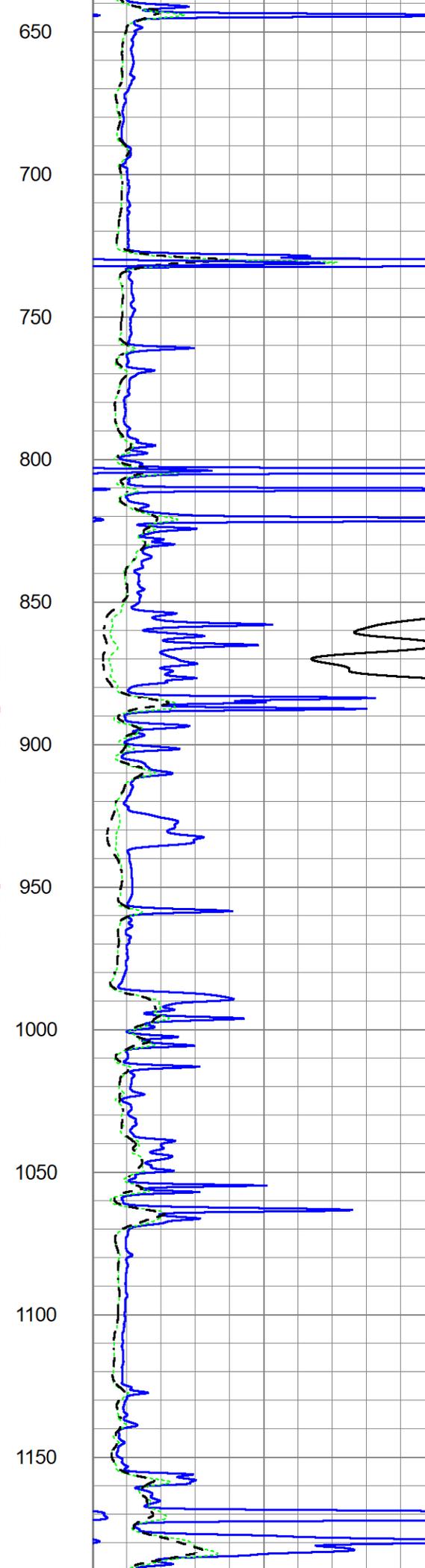
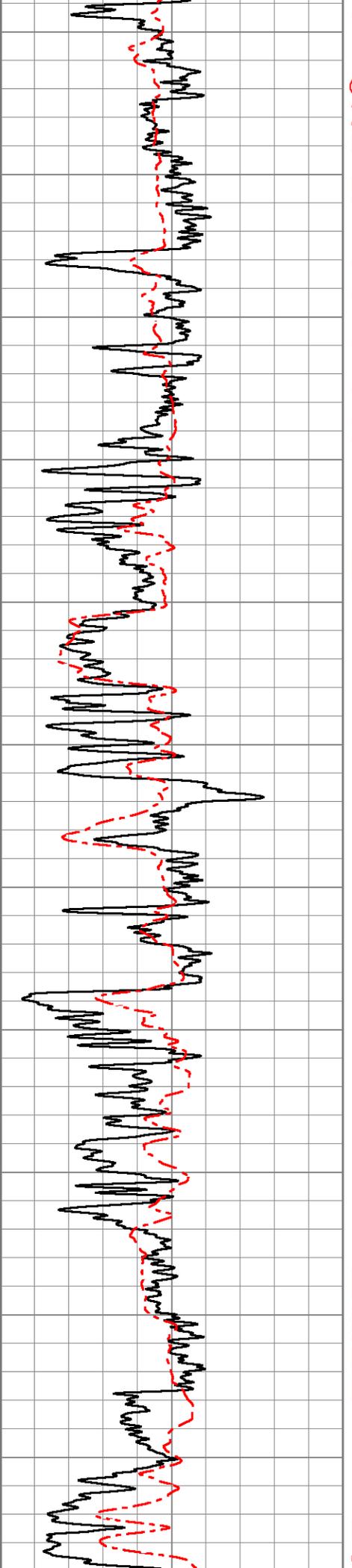


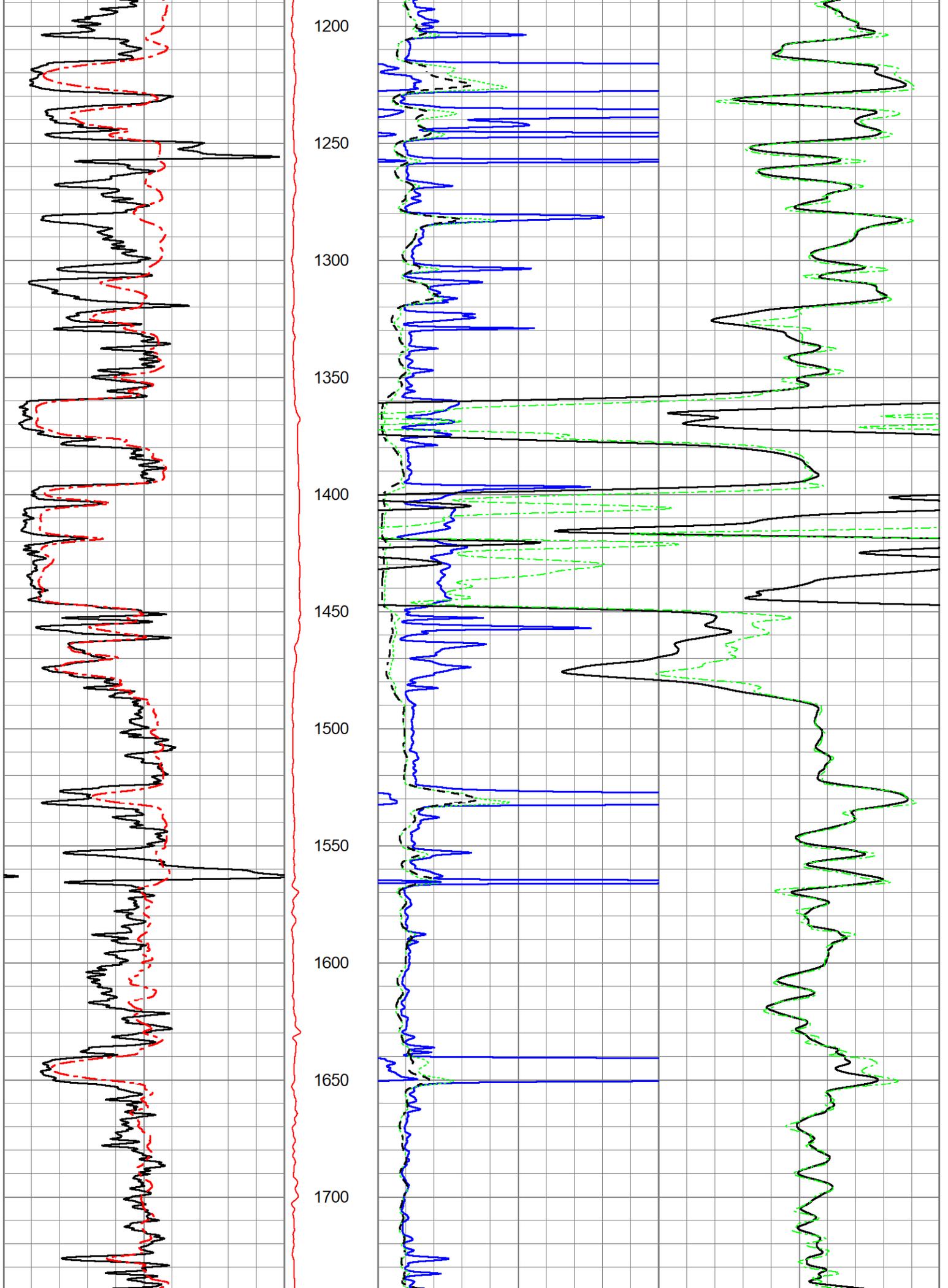
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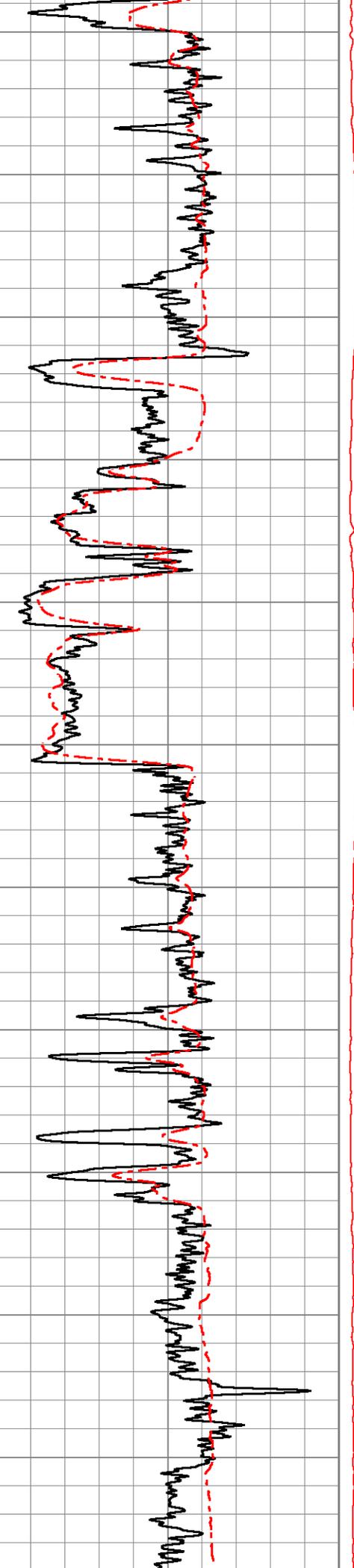
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 Presentation Format st_dil_2inch_6-16
 Dataset Creation Wed Nov 23 17:41:28 2022
 Charted by Depth in Feet scaled 1:600

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	

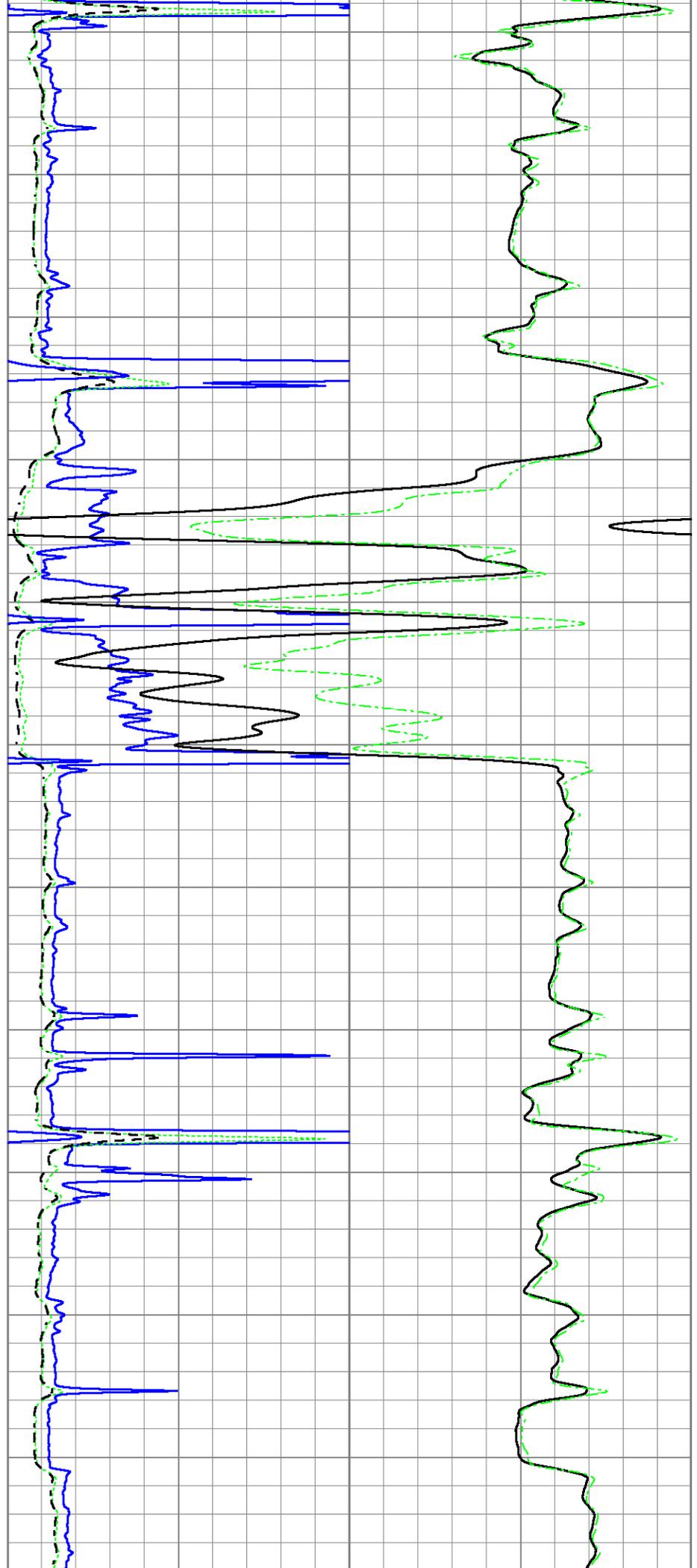


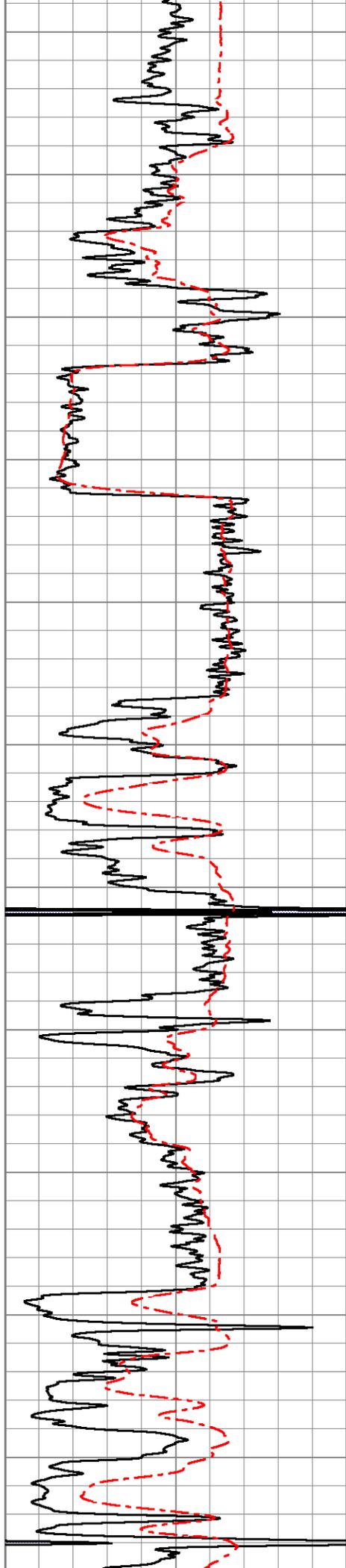




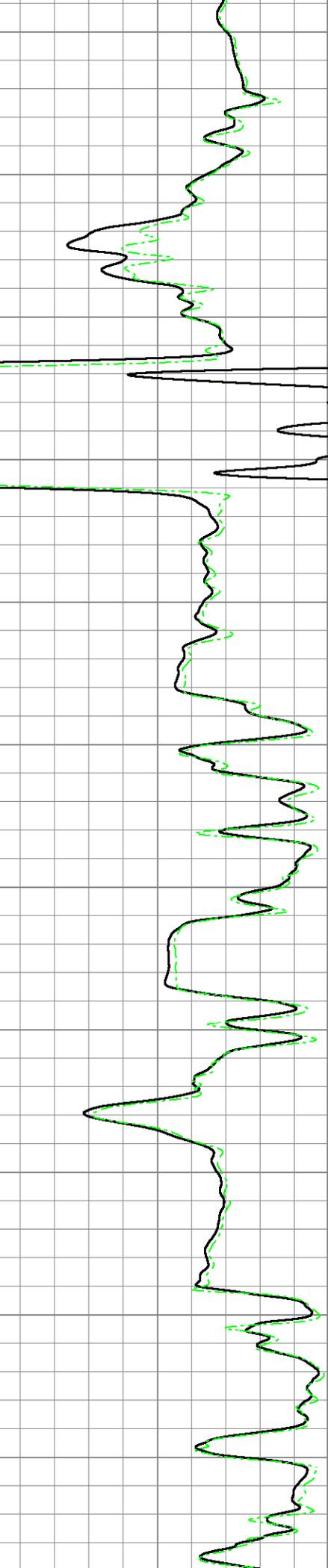
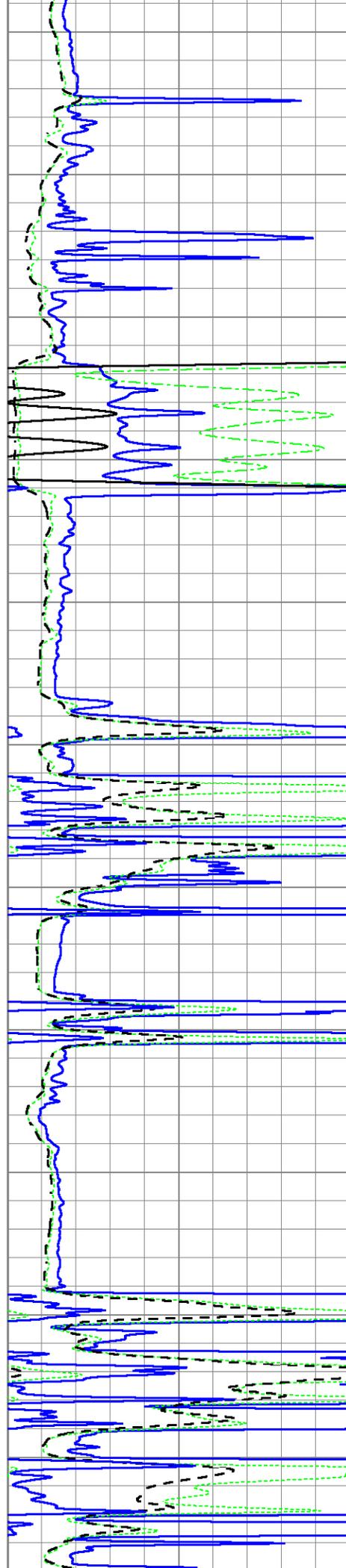


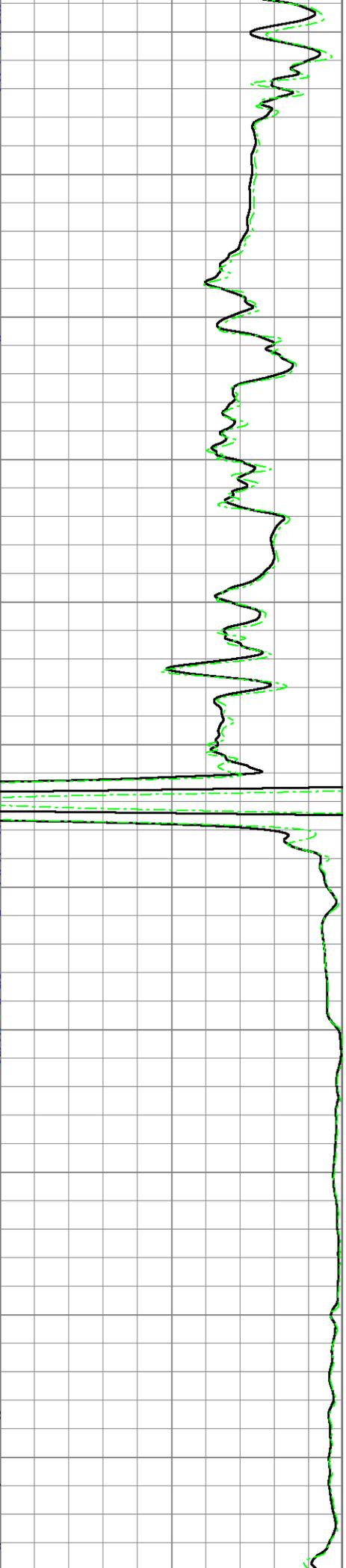
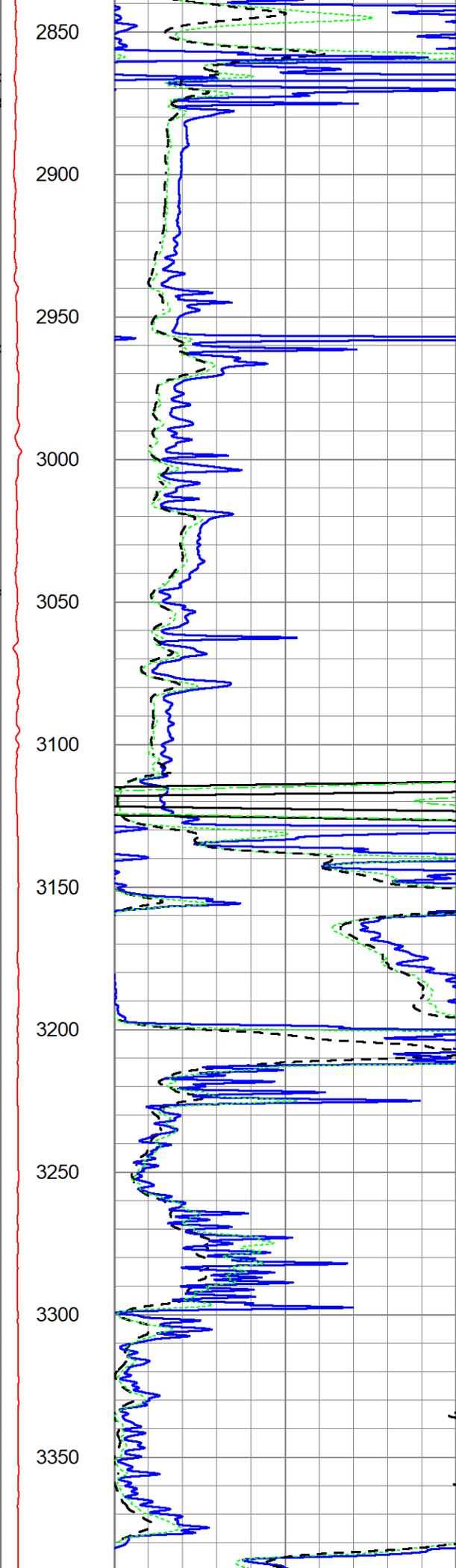
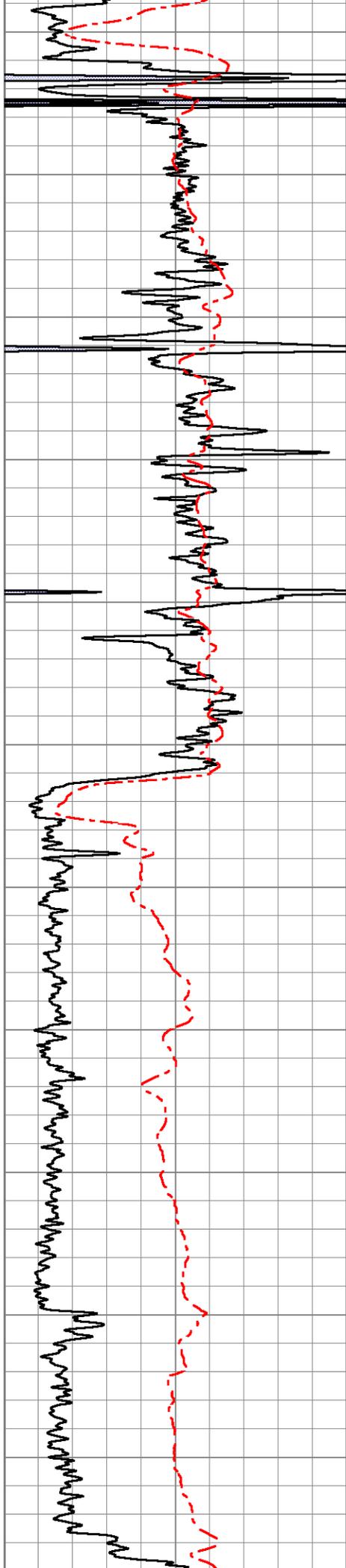
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1950
2000
2050
2100
2150
2200
2250

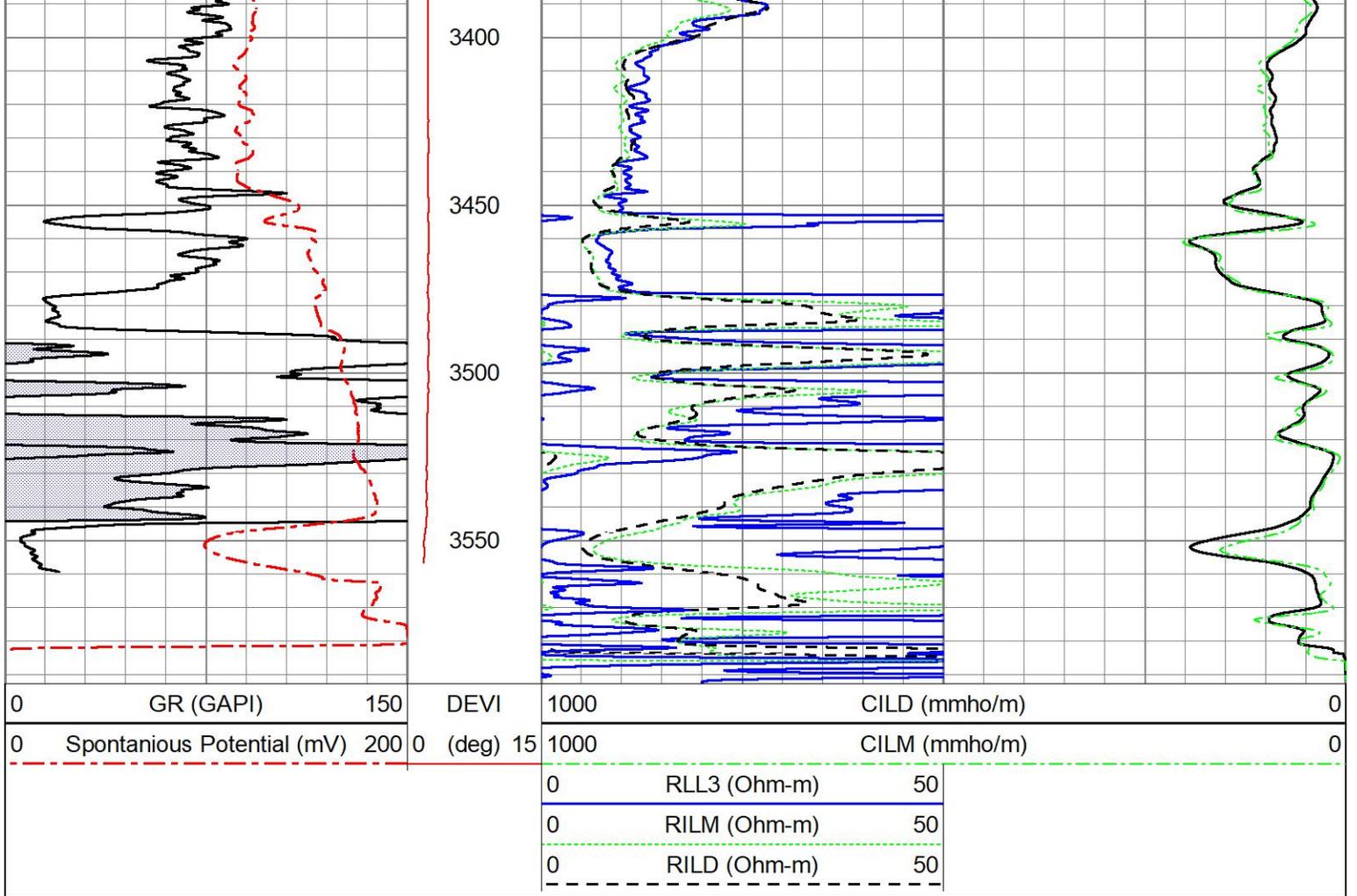




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2500
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2600
2650
2700
2750
2800



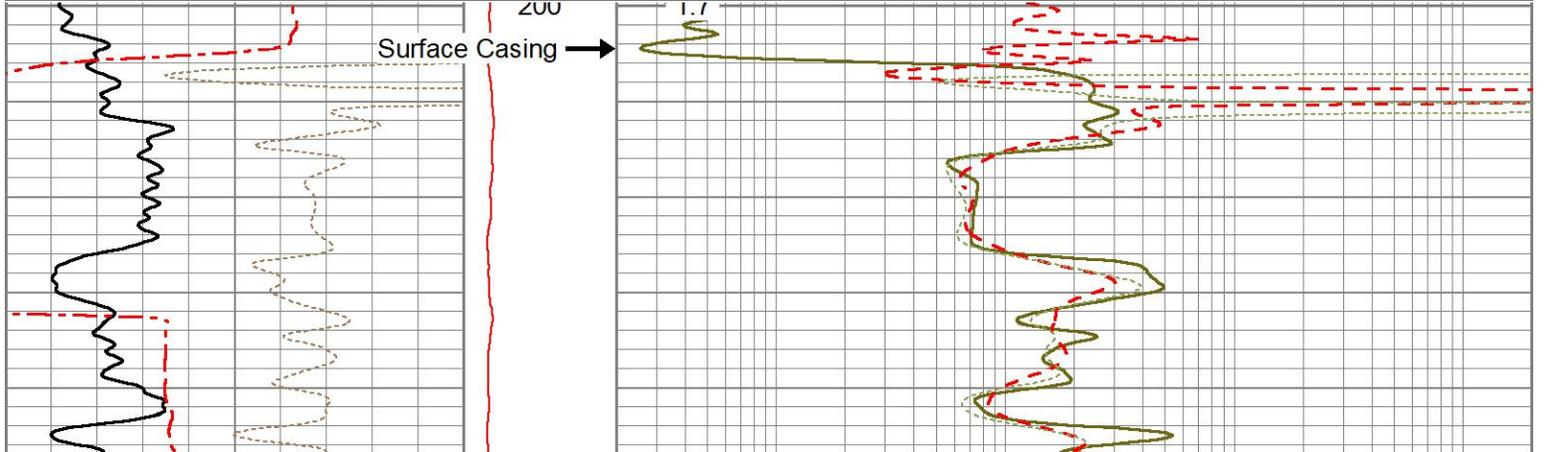


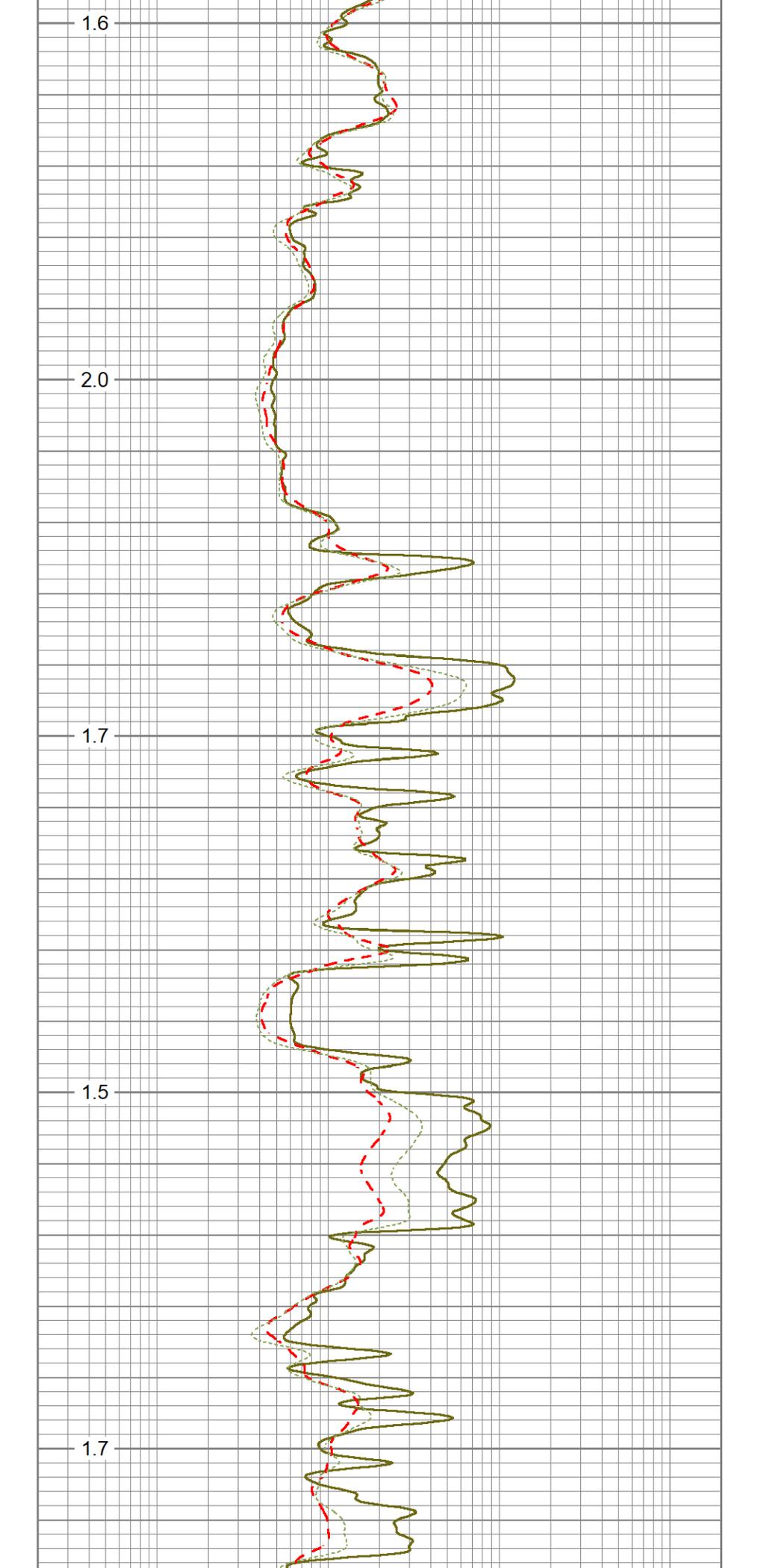
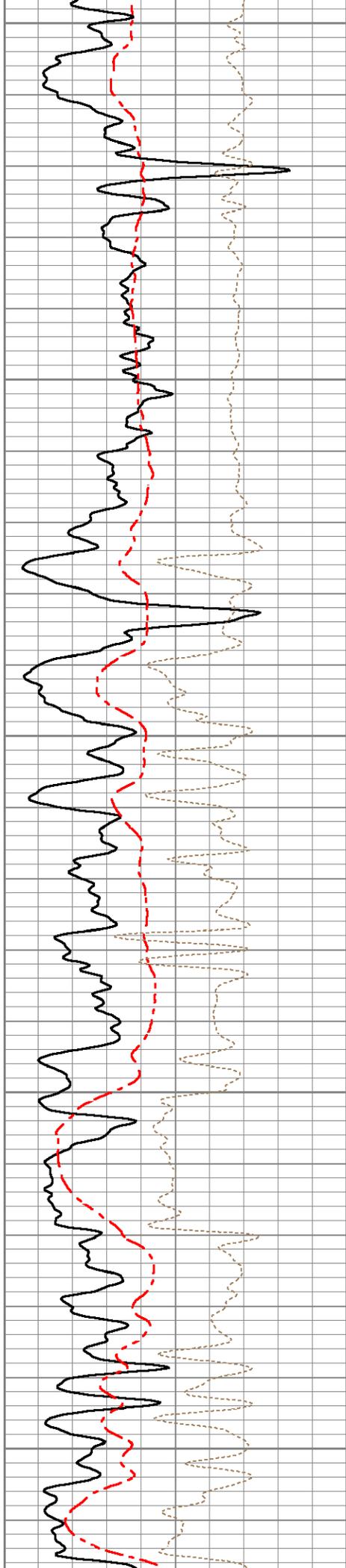


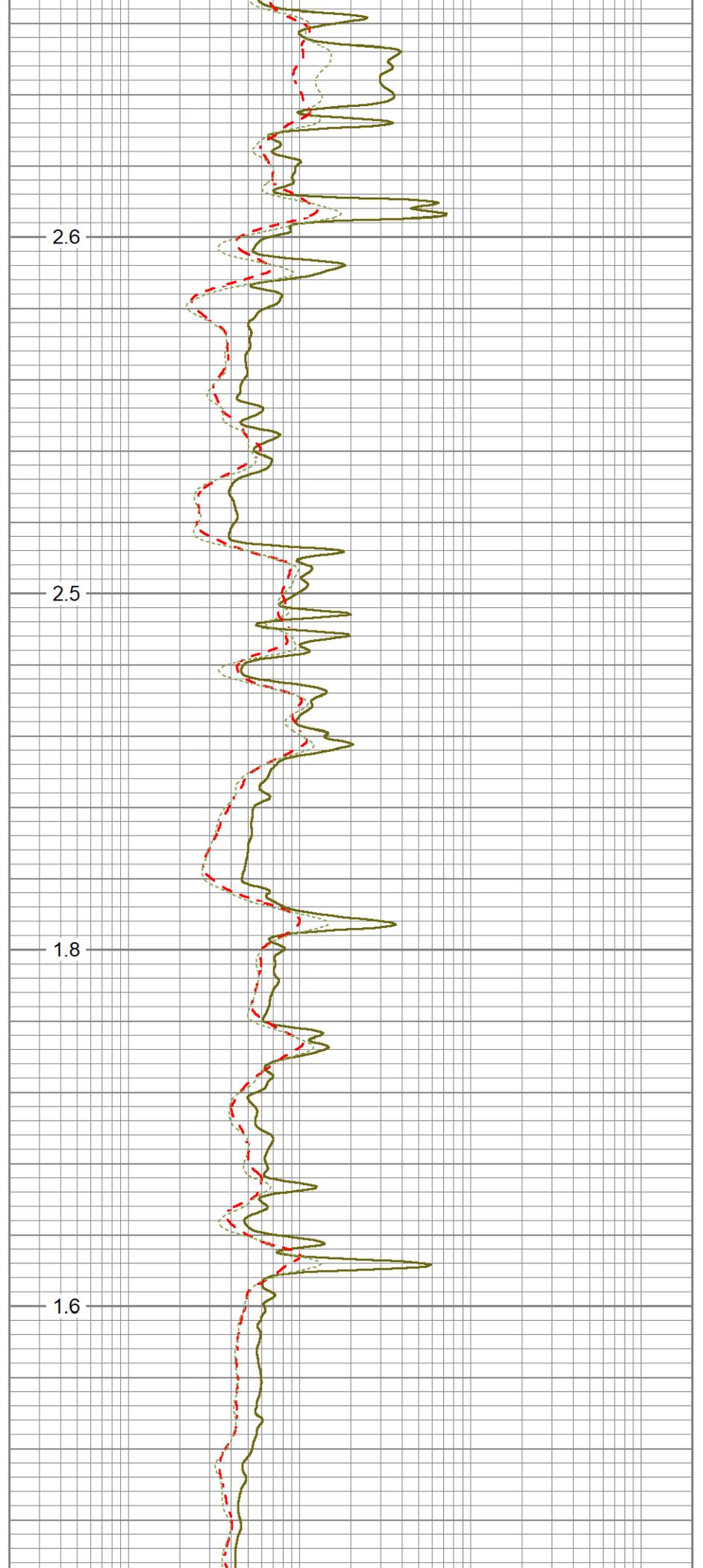
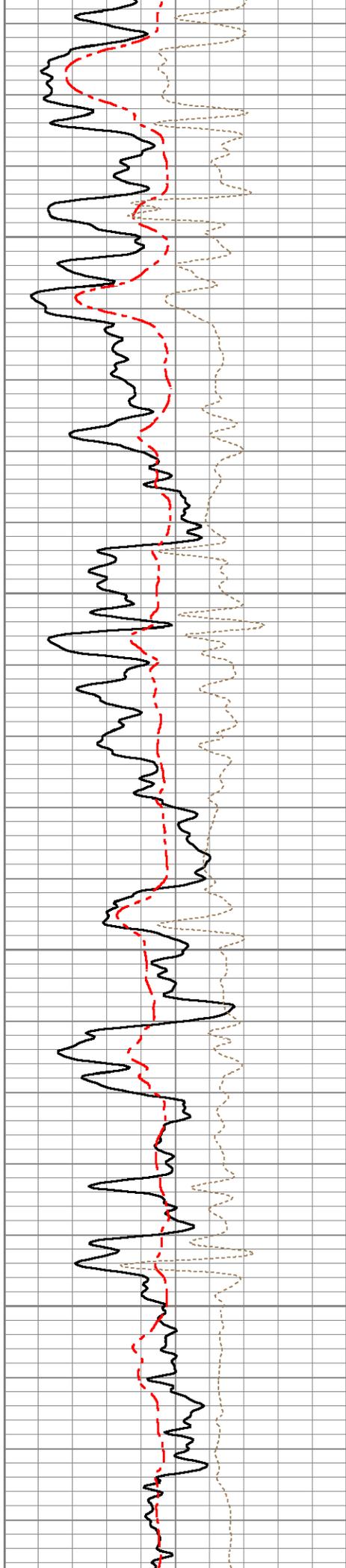
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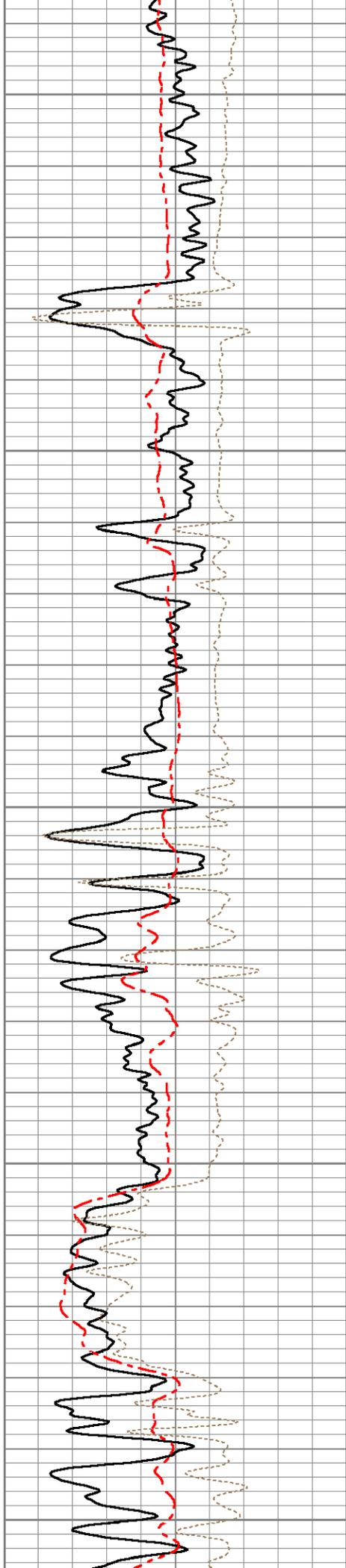
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0	Spontaneous Potential (mV)	200	0 (deg)	10	Deep Resistivity (Ohm-m)	2000
-150	Rxo Rt	70		0.2	Medium Resistivity (Ohm-m)	2000
				DEVI (deg)		









700

750

800

850

900

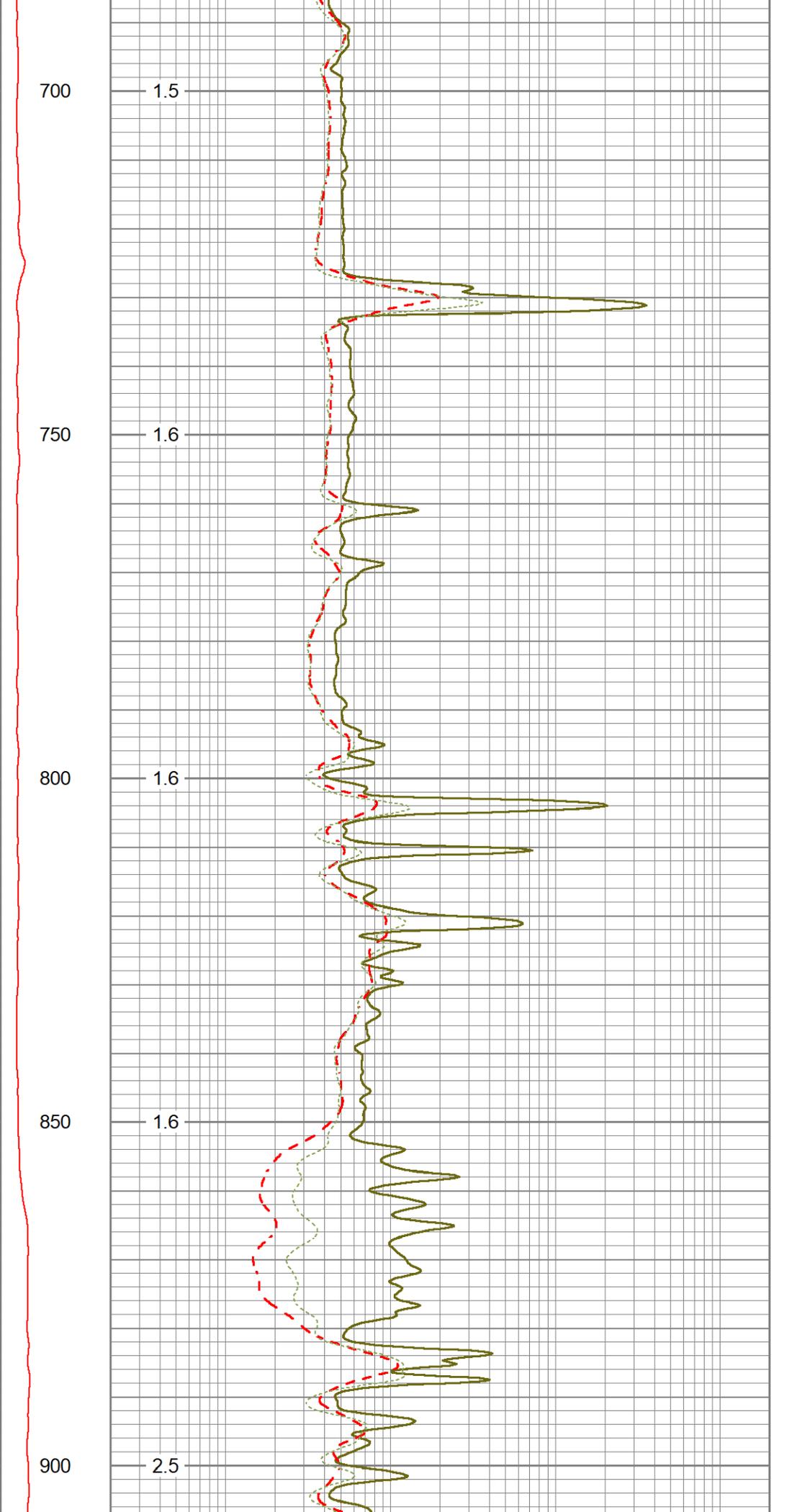
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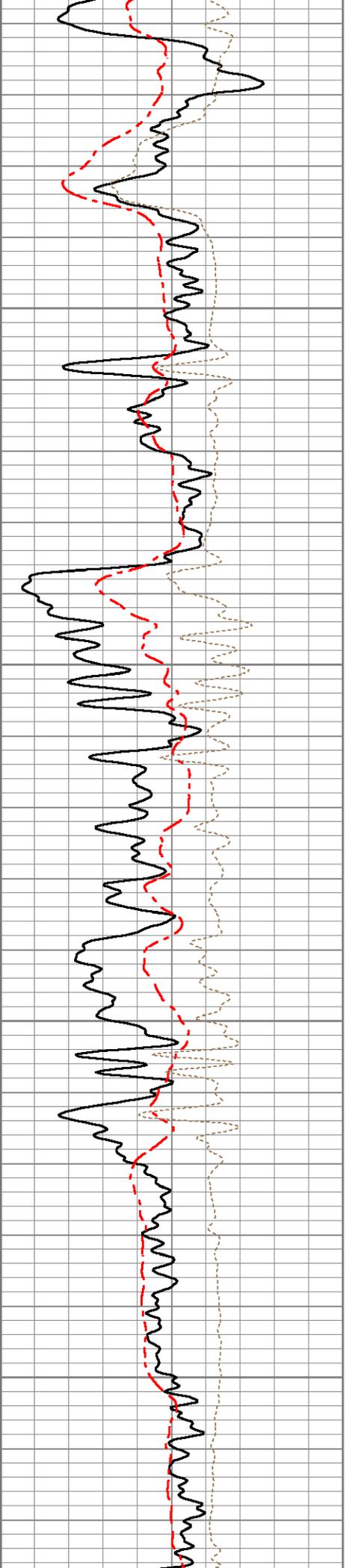
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1.6

1.6

2.5



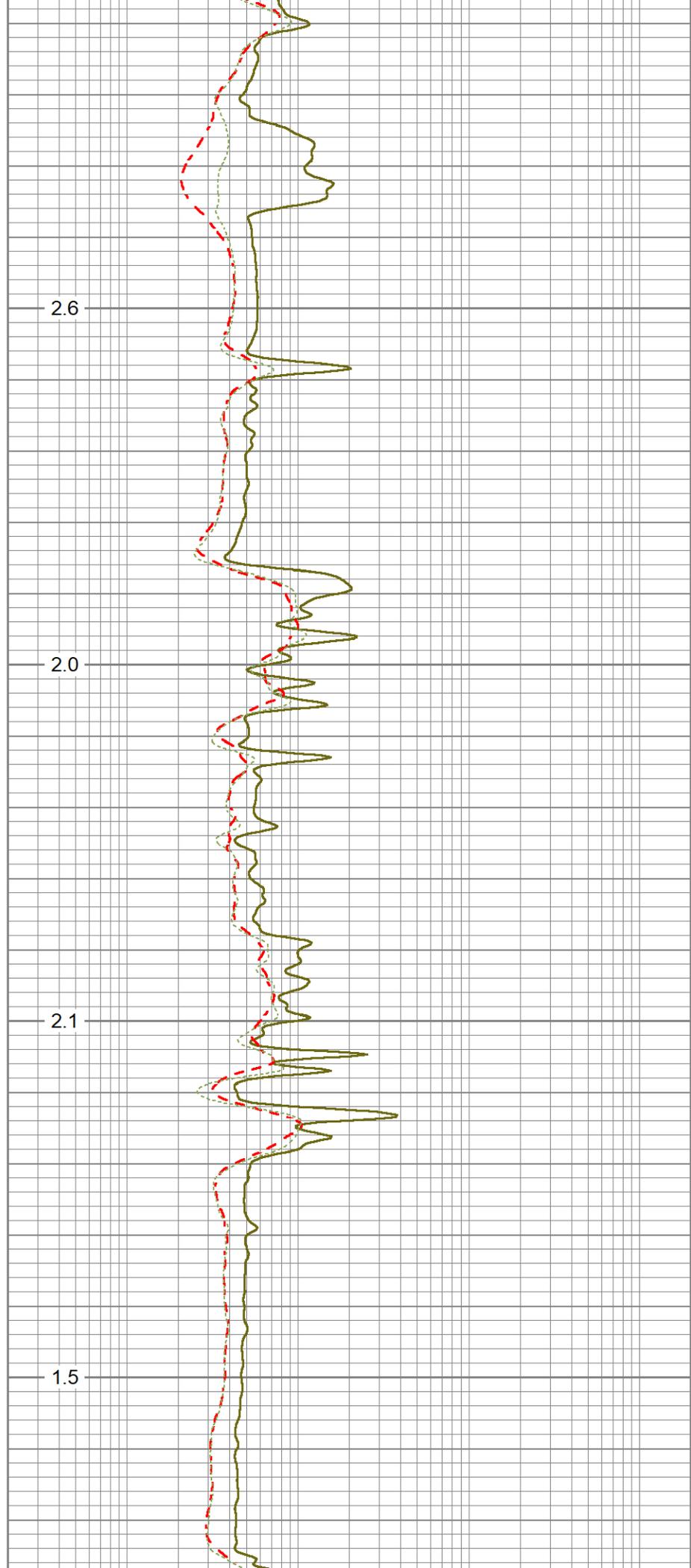


950

1000

1050

1100

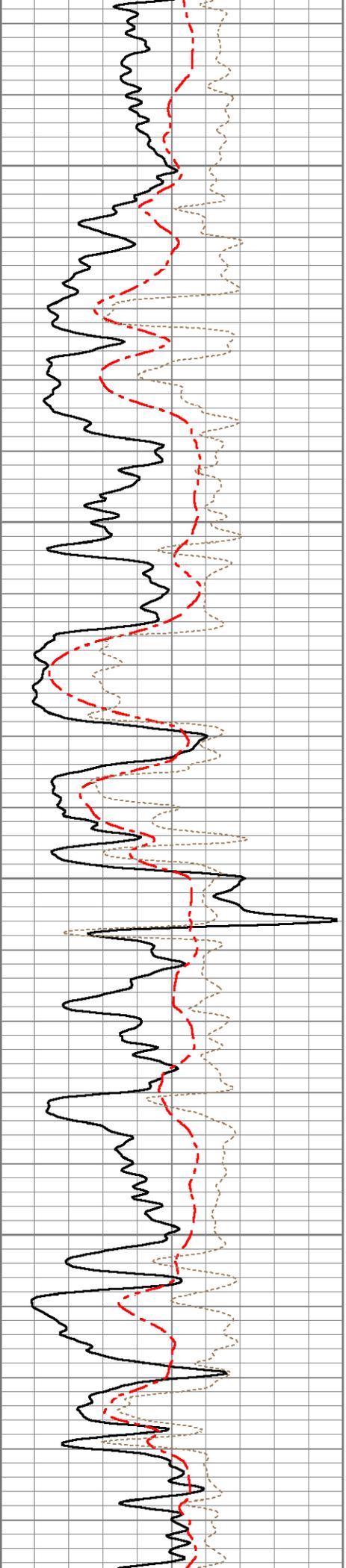


2.6

2.0

2.1

1.5



1150

1200

1250

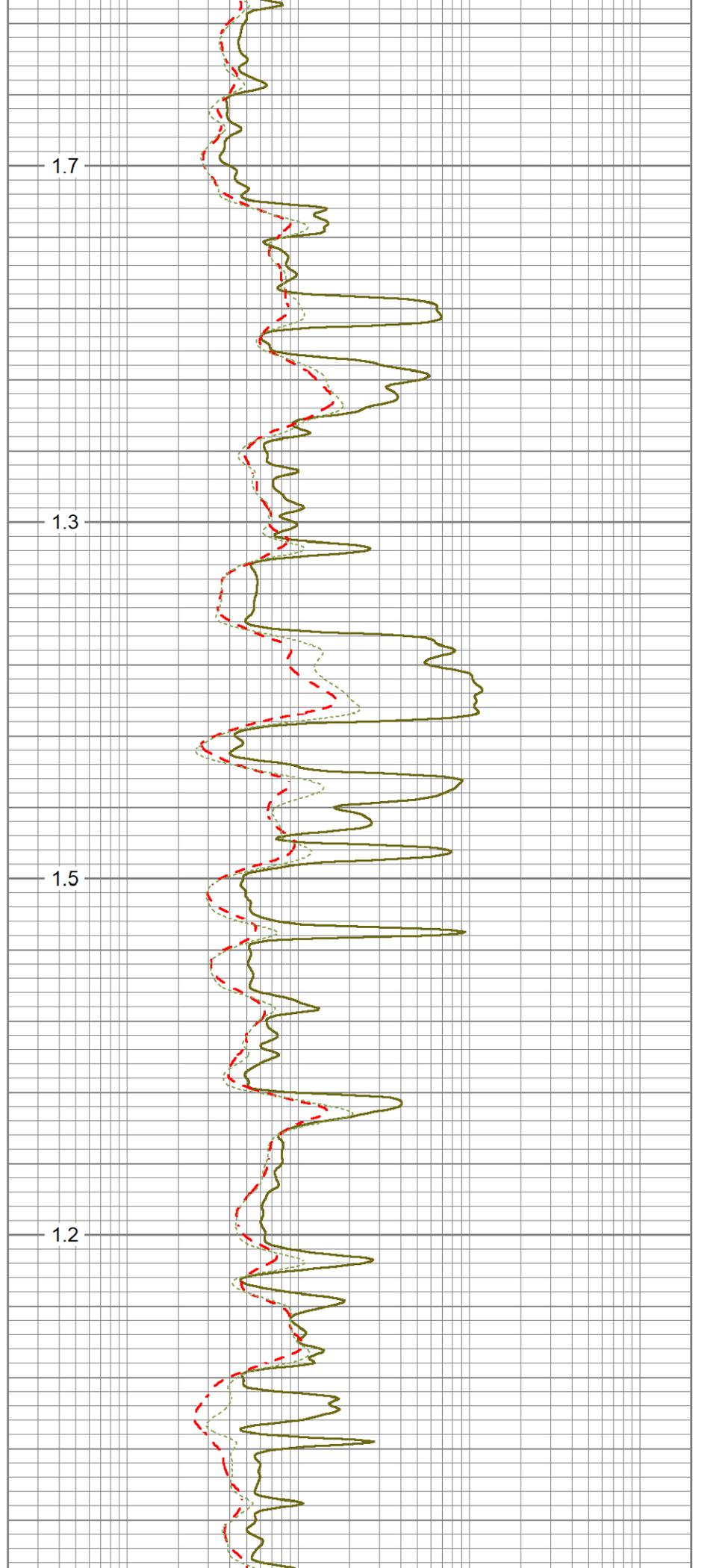
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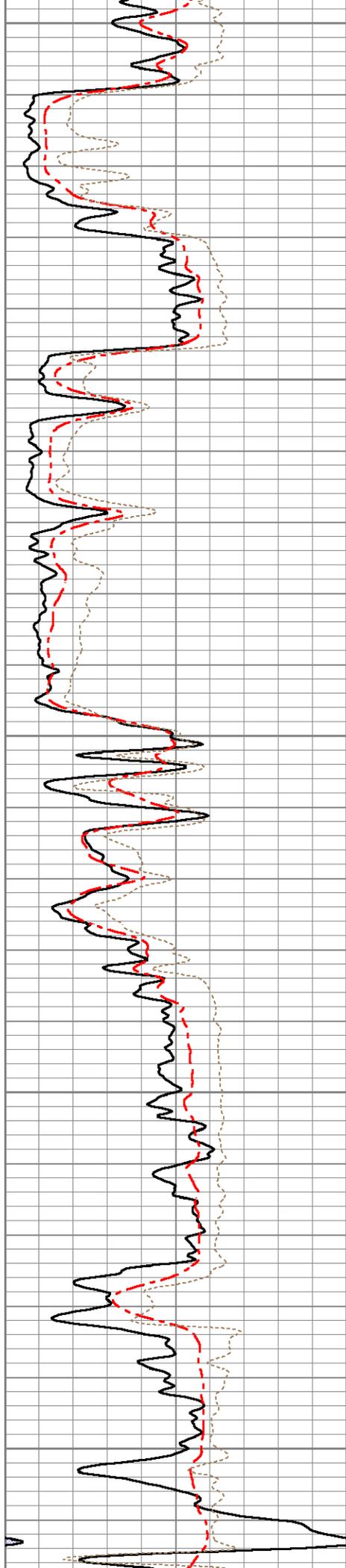
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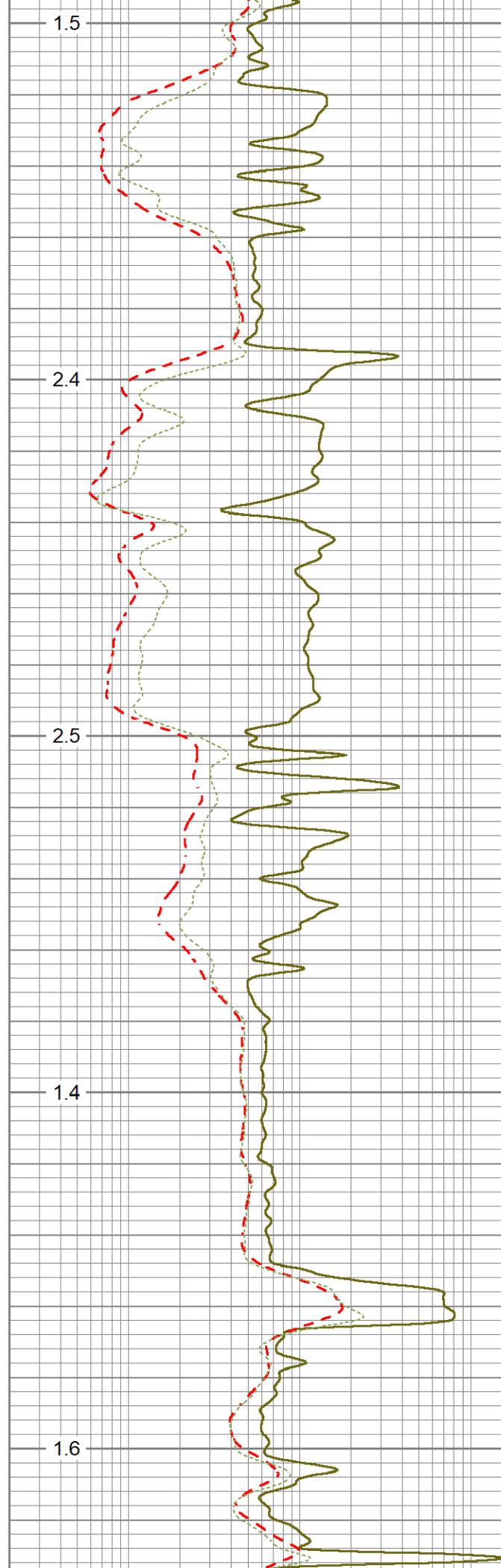
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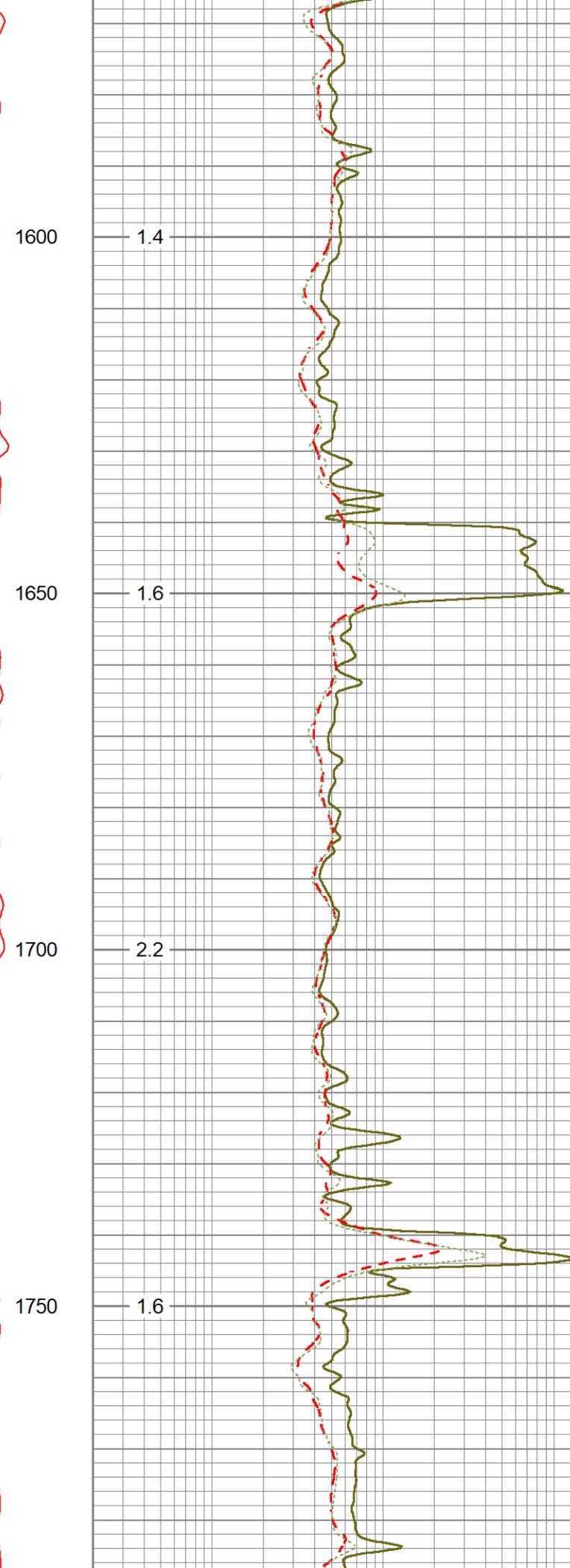
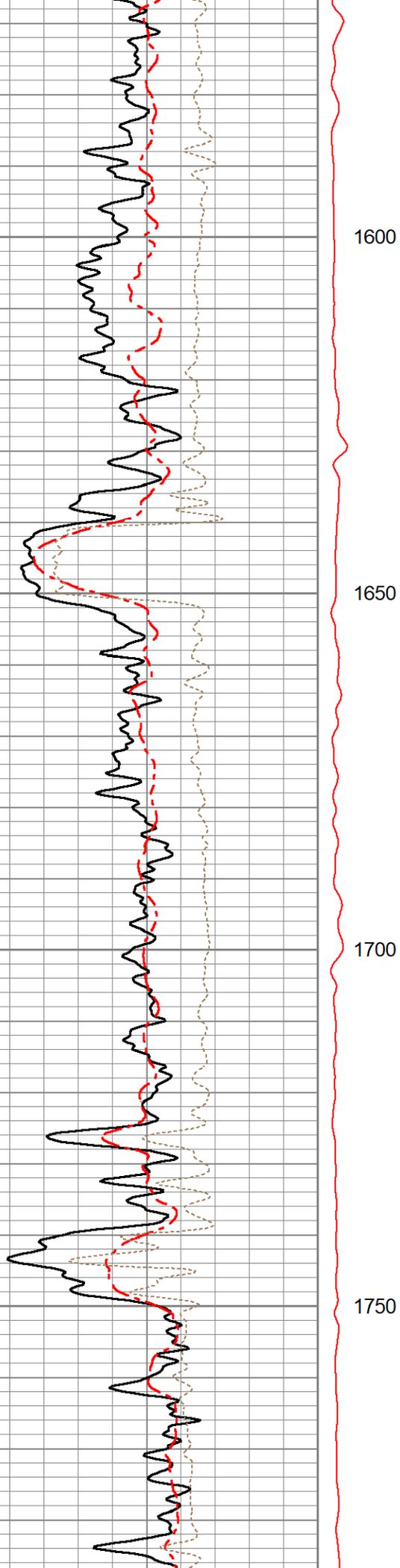
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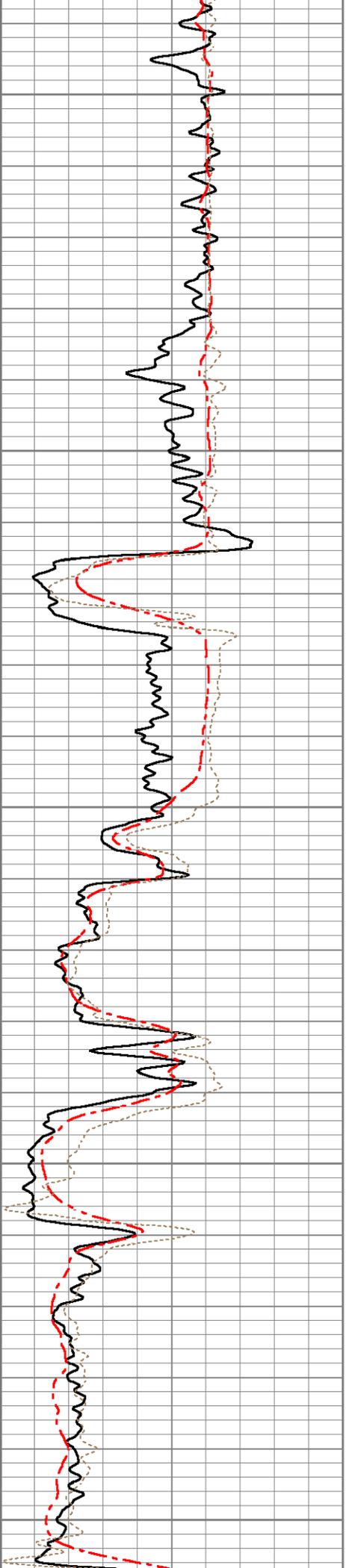




1350
1400
1450
1500
1550







1800

1850

1900

1950

2000

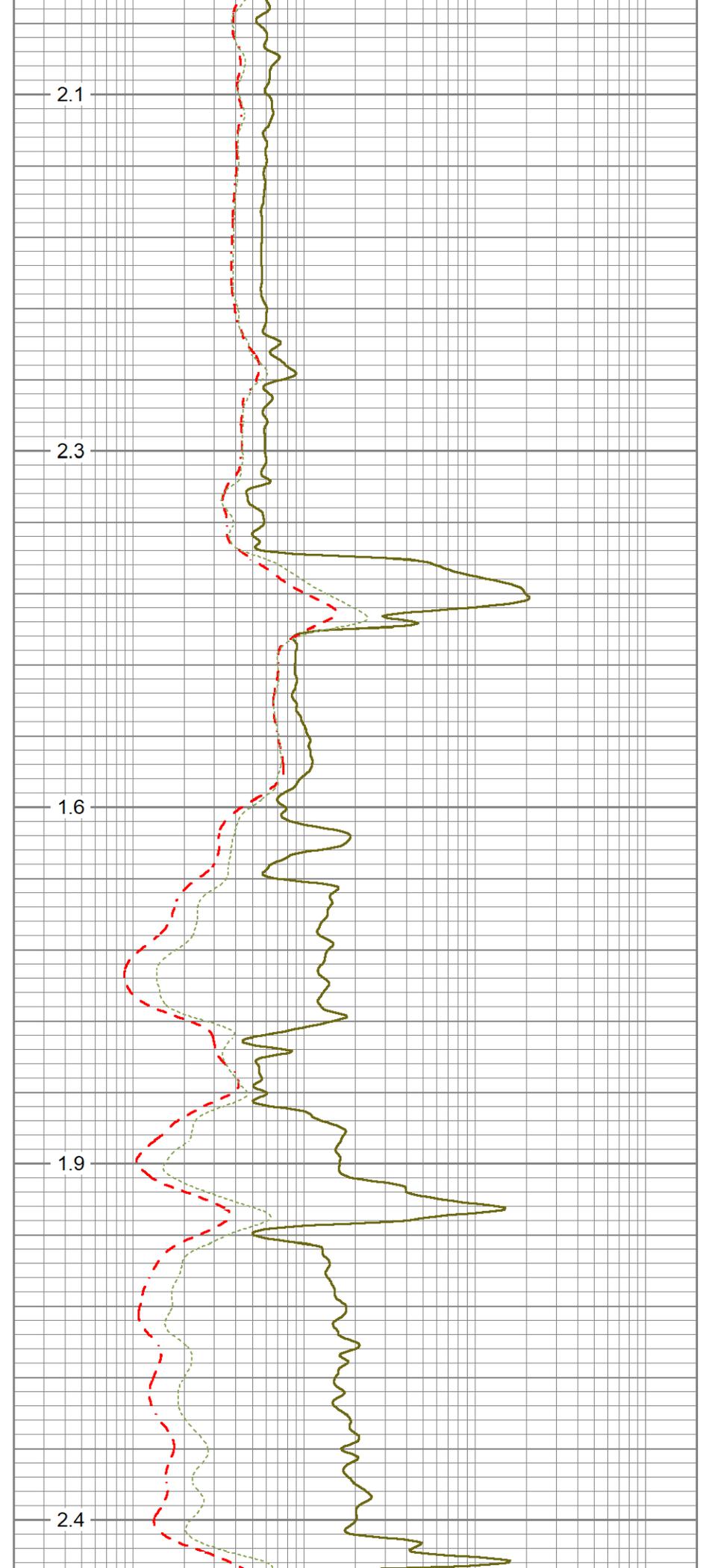
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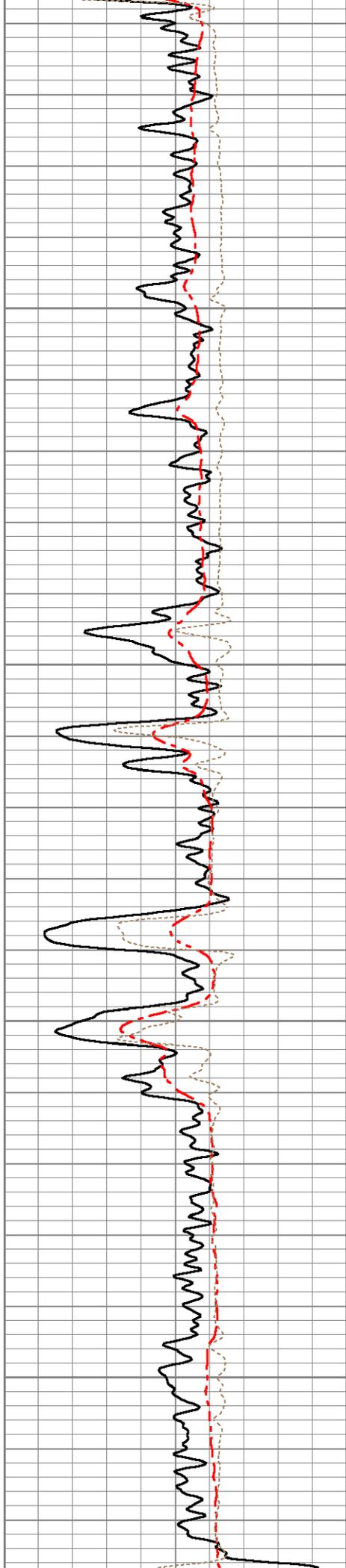
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1.6

1.9

2.4





2050

2100

2150

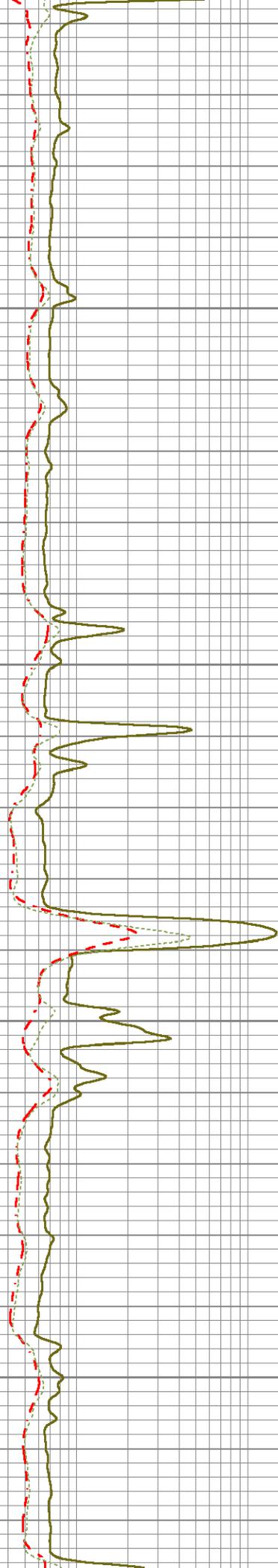
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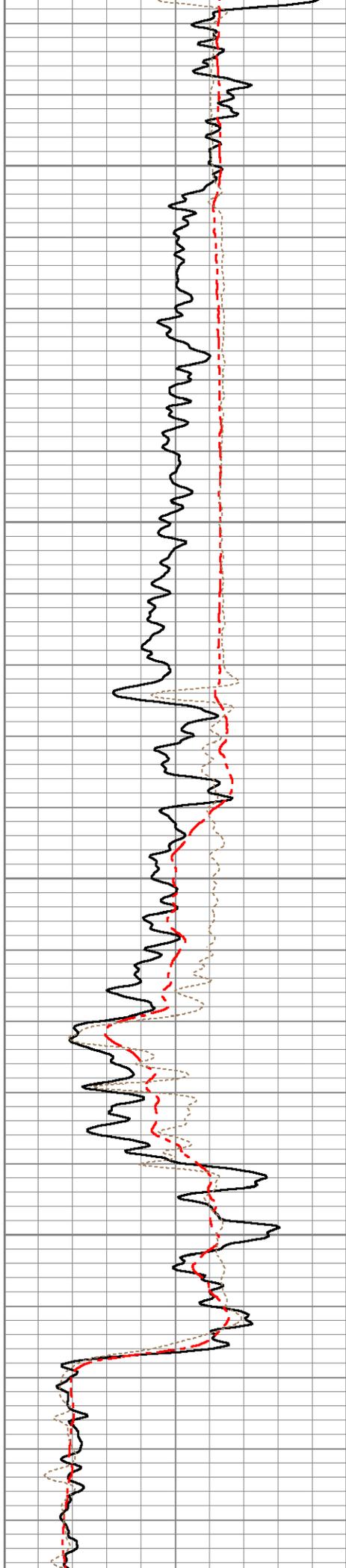
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1.6

1.8



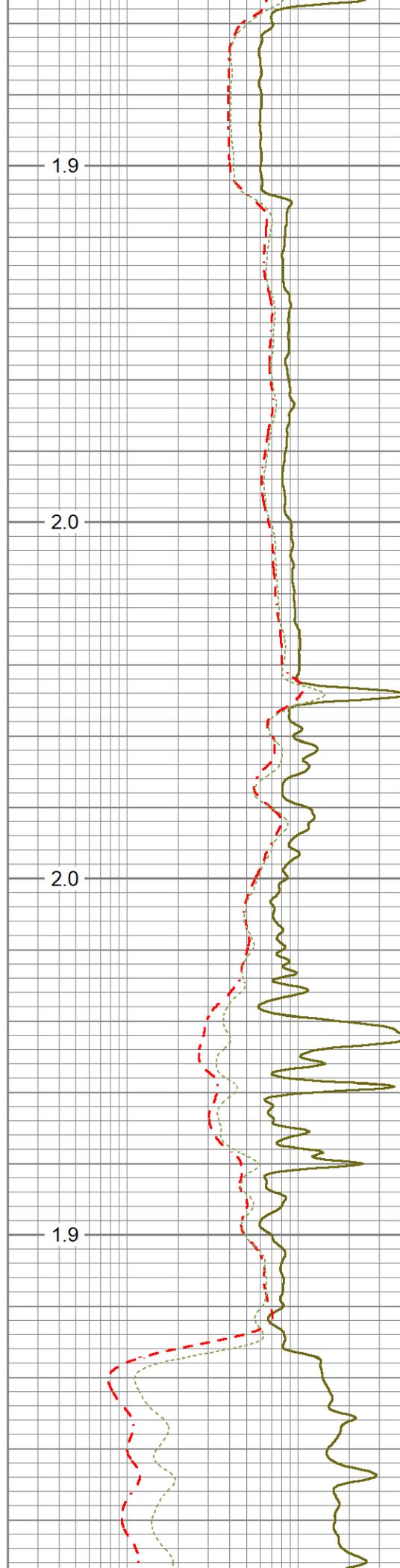


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2300

2350

2400

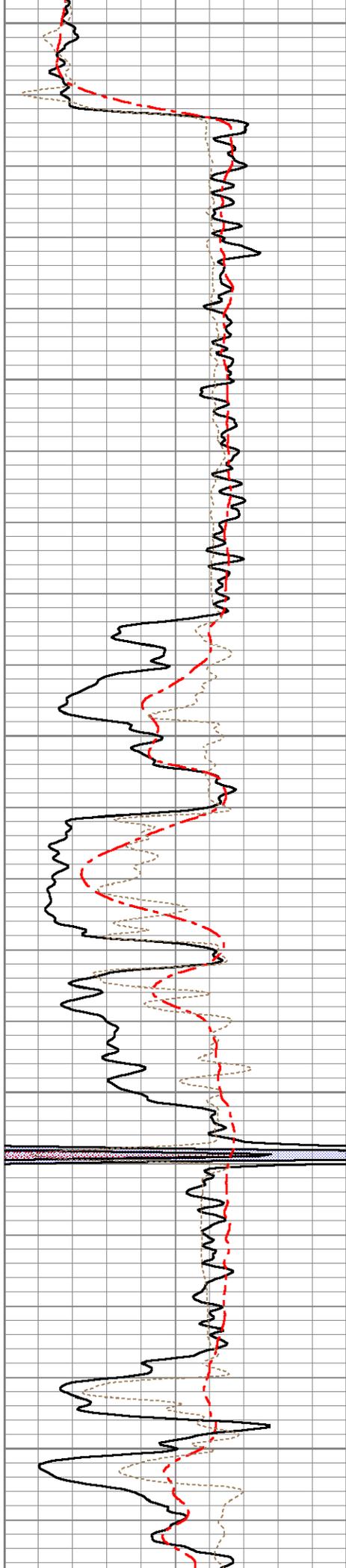


1.9

2.0

2.0

1.9



2450

2500

2550

2600

2650

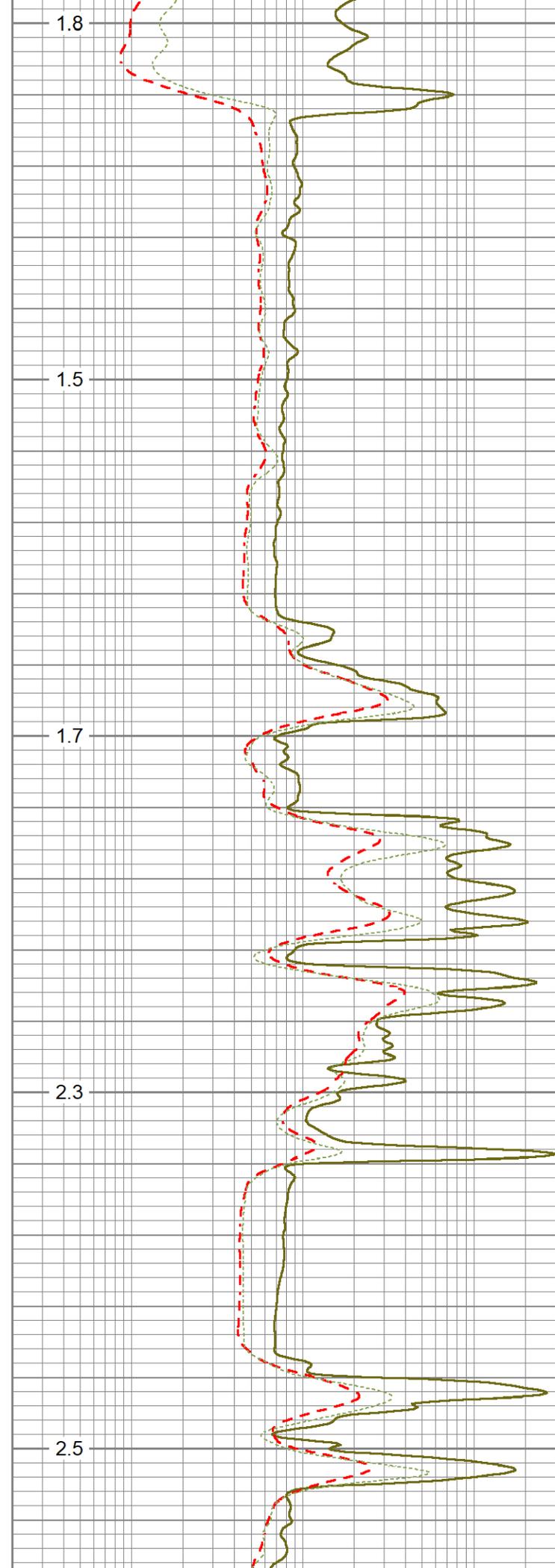
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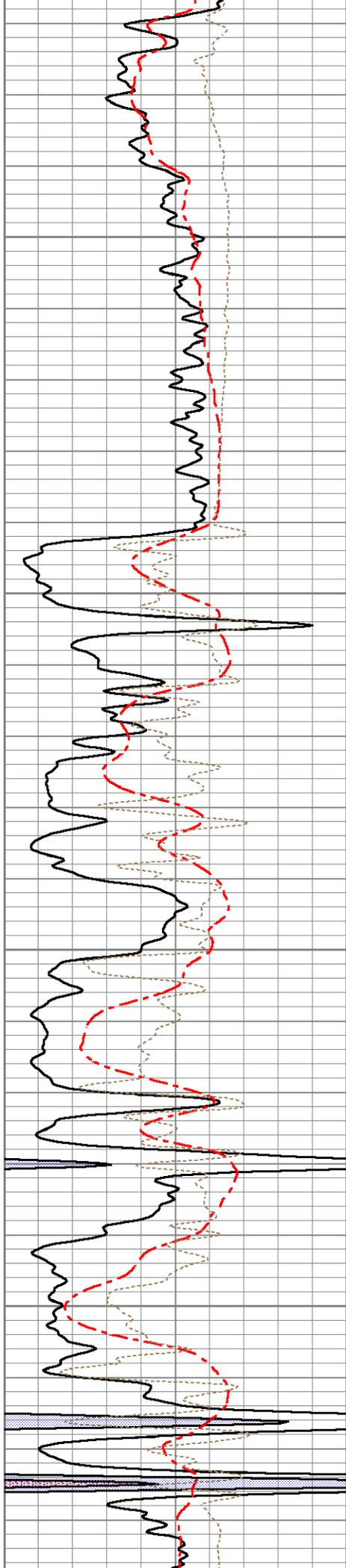
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1.7

2.3

2.5





2700

2750

2800

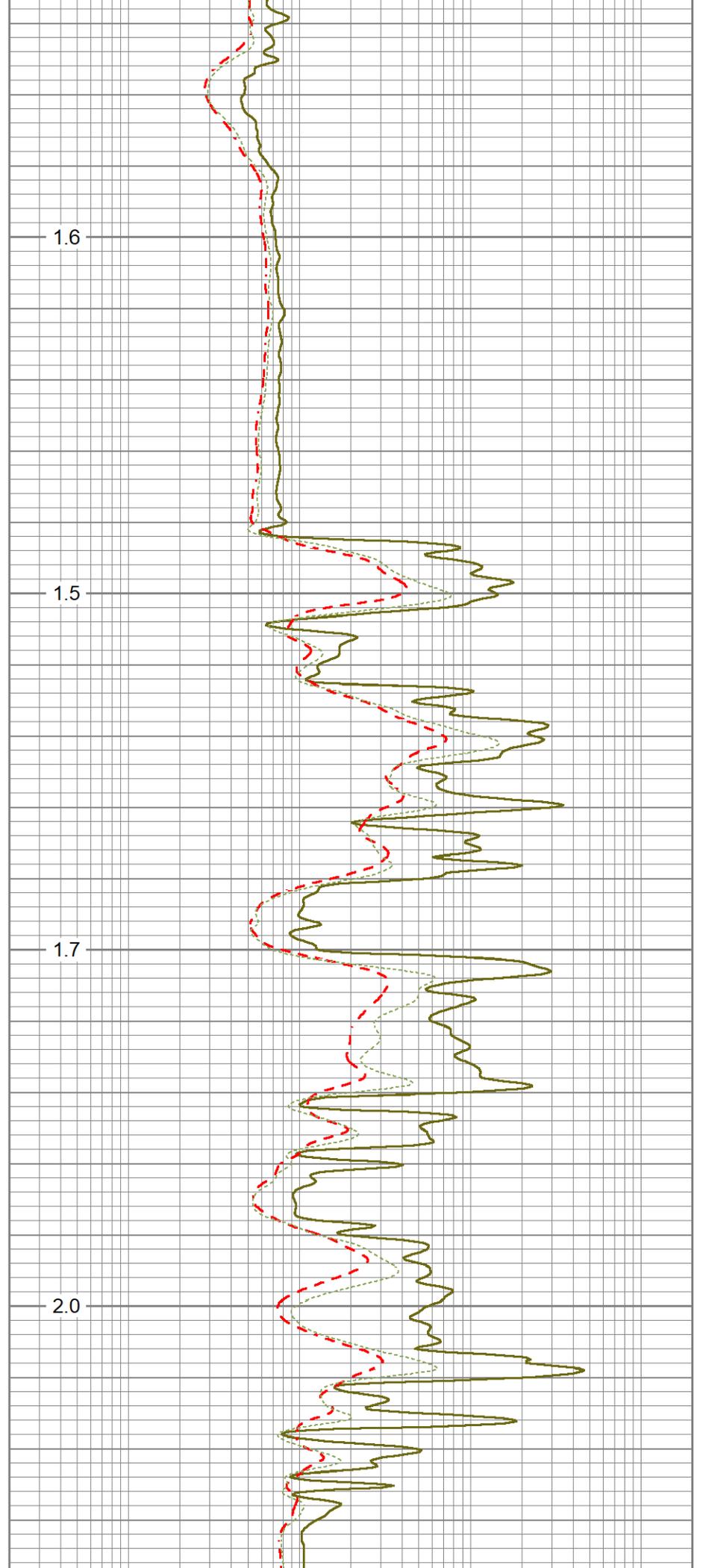
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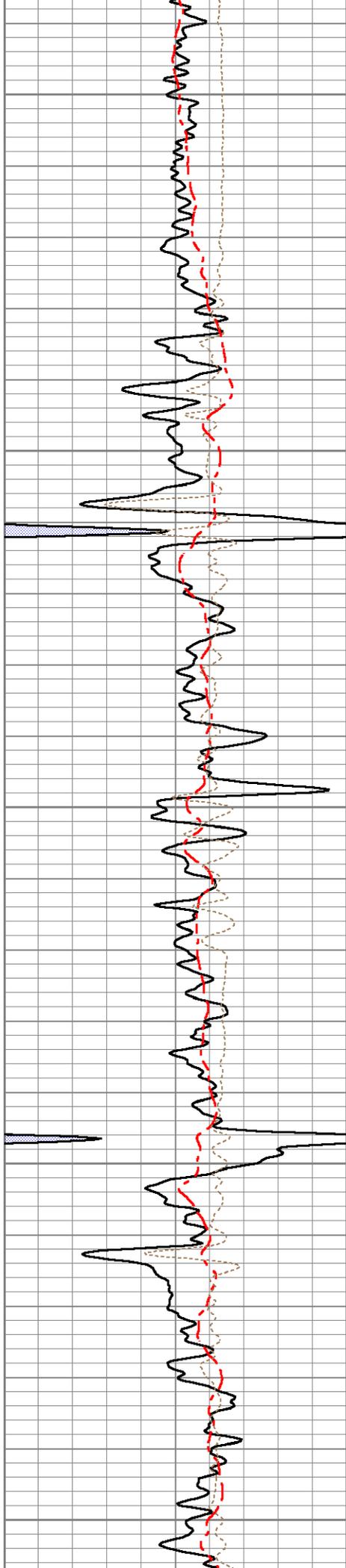
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1.5

1.7

2.0





2900

2950

3000

3050

3100

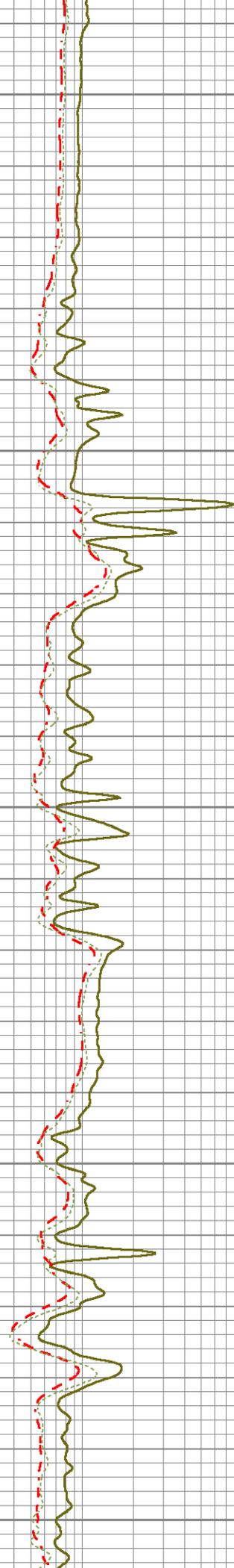
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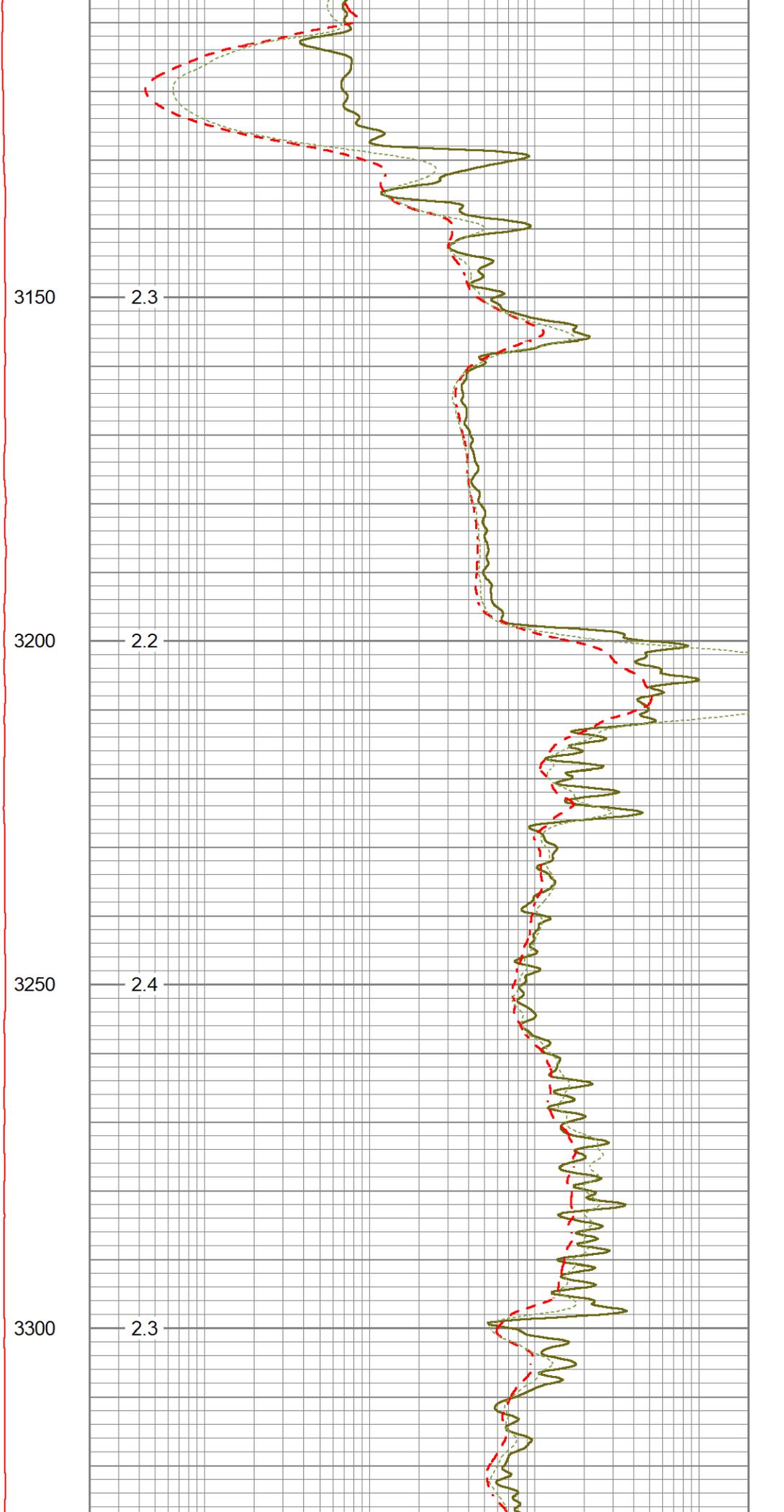
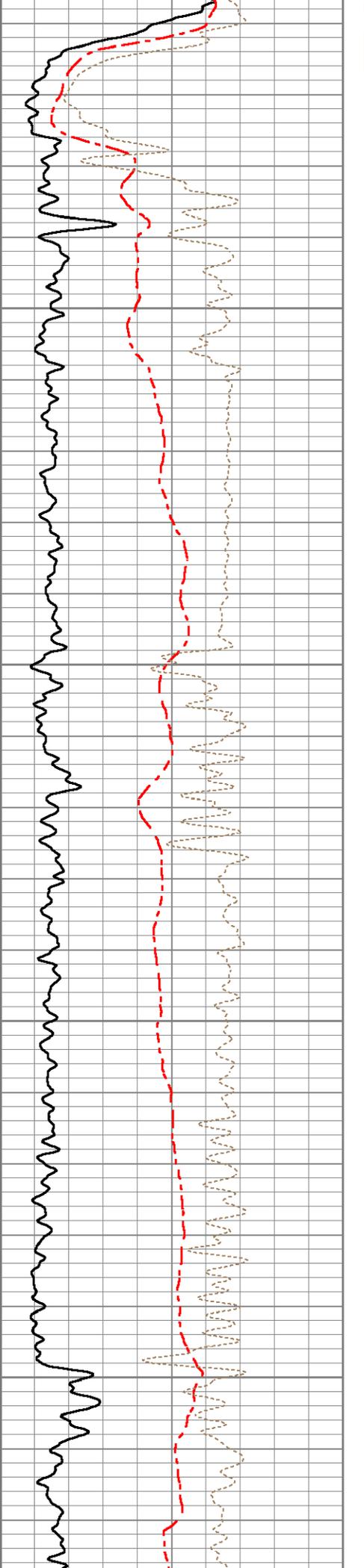
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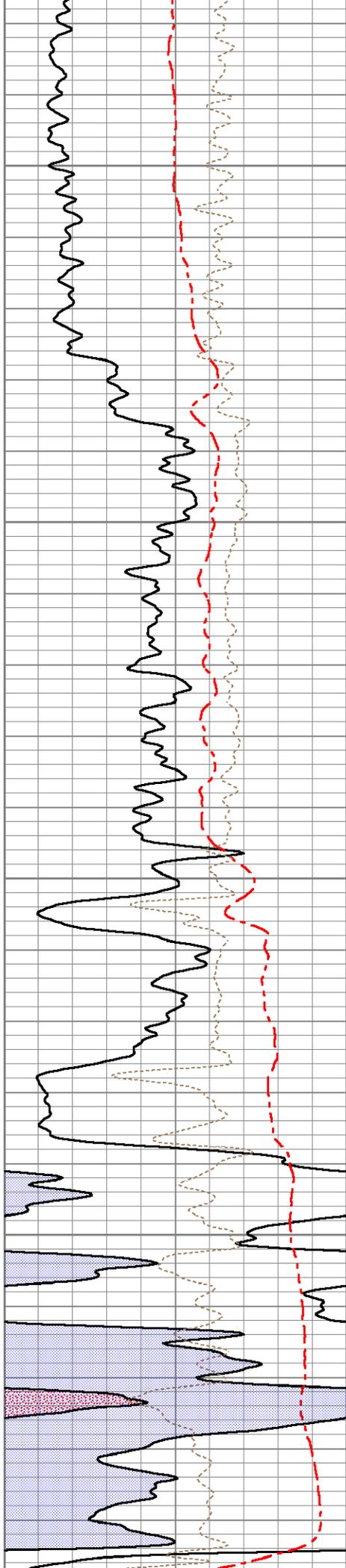
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2.2

2.4







3350

3400

3450

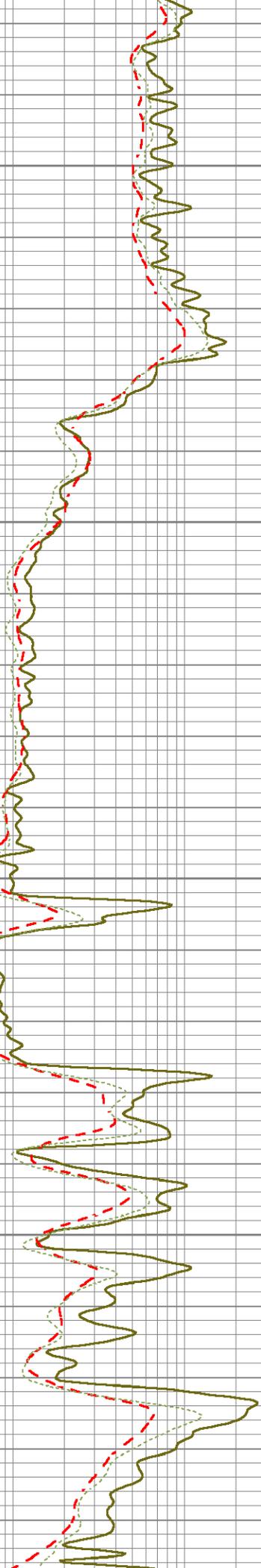
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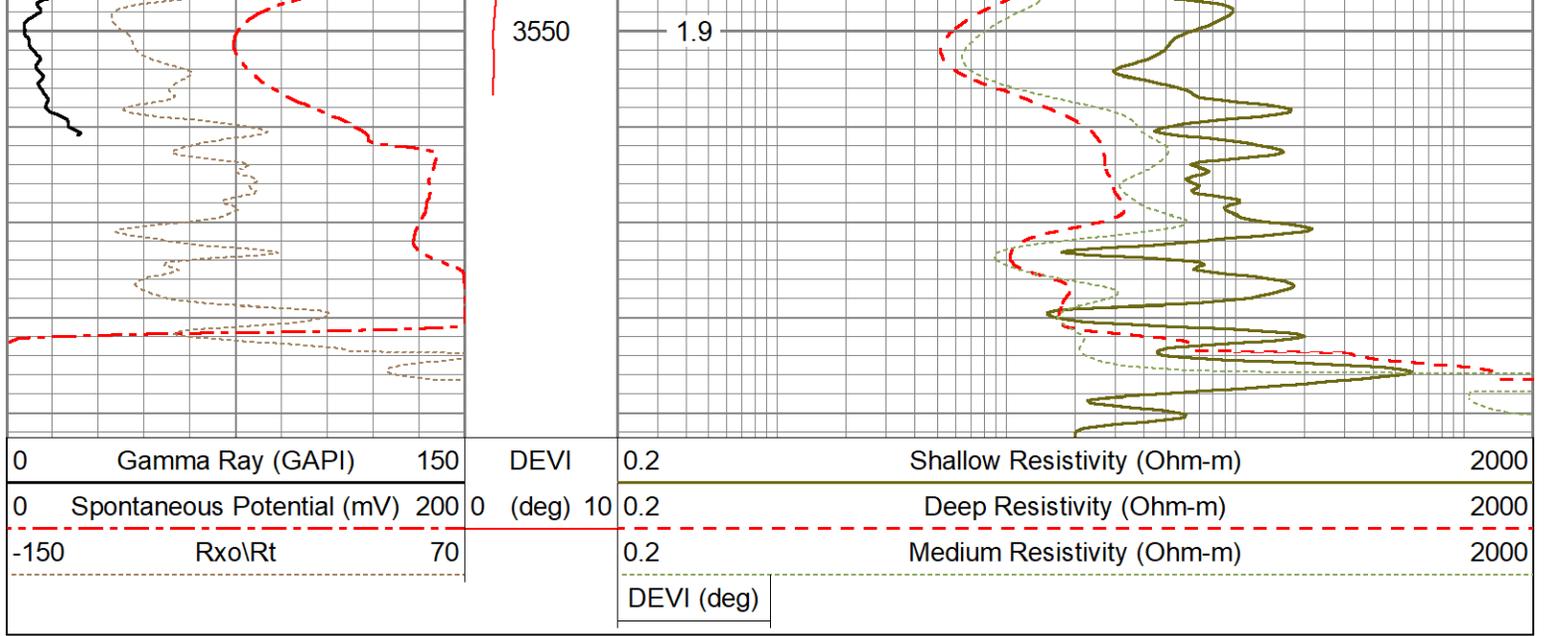
2.3

2.3

2.4

2.4





Calibration Report

Database File ow2-9154 val energy.db
 Dataset Pathname pass2.6
 Dataset Creation Wed Nov 23 17:42:33 2022

Dual Induction Calibration Report

Serial-Model: BlackTool-G
 Surface Cal Performed: Sat Nov 19 02:16:01 2022
 Downhole Cal Performed: Tue Nov 17 10:50:14 2020
 After Survey Verification Performed: Tue Nov 17 10:50:14 2020

Surface Calibration

Loop:	Readings				References		Results	
	Air	Loop			Air	Loop	m	b
Deep	0.007	0.642	V	13.000	385.000	mmho/m	585.947	8.944
Medium	0.010	0.728	V	-12.500	435.000	mmho/m	622.619	-18.531
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		2500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-9.500	V		5000.000	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: 110861-Osage
 Performed: Wed Oct 5 13:22:55 2022

	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	84.1775	0.5012
Caliper	0.3482	9.1366	V	5.7500	20.5000	in	1.6784	5.1656

Inclinometer Calibration Report

Performed: Thu Oct 8 13:57:38 2020

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

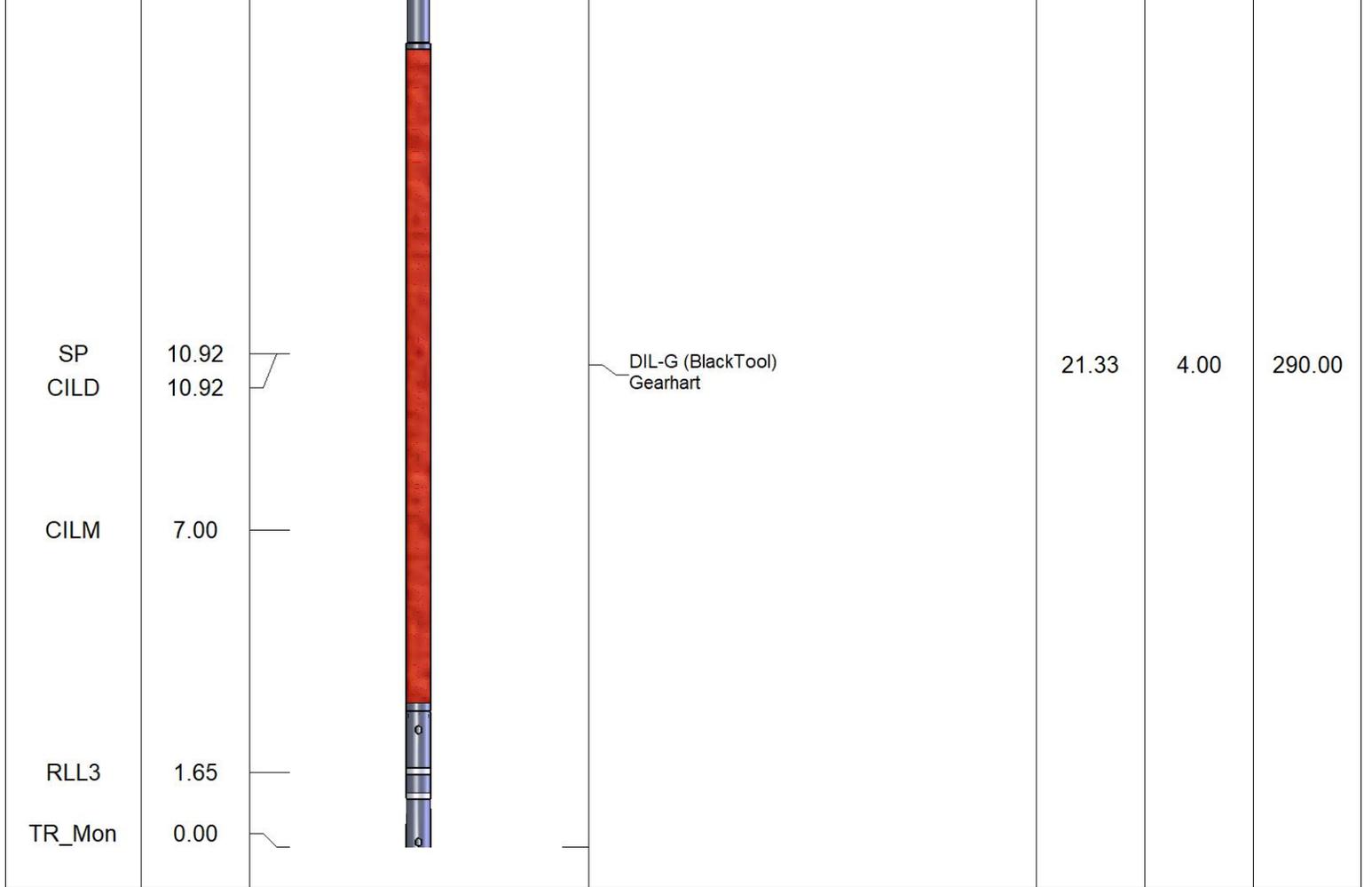
Serial Number: Refurb01
 Tool Model: OSAGE_01
 Performed: Mon Jan 18 09:02:16 2021

Calibrator Value: 150.0 GAPI

Background Reading: 125.0 cps
 Calibrator Reading: 875.0 cps

Sensitivity: 0.2000 GAPI/cps

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 (110861) Digital Microlog	7.21	5.13	137.00	
SSTAT	28.54						
PSTAT	28.54						
ASTAT	28.54						
MI	23.00						
MN	23.00						
MCAL	22.00						
ASTAT2	21.33						



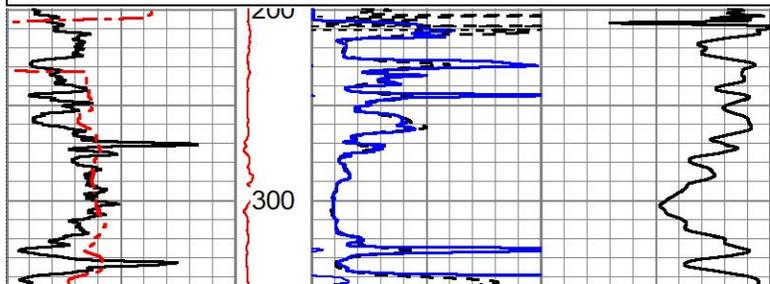
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 Total weight: 480.00 lb
 O.D.: 5.13 in

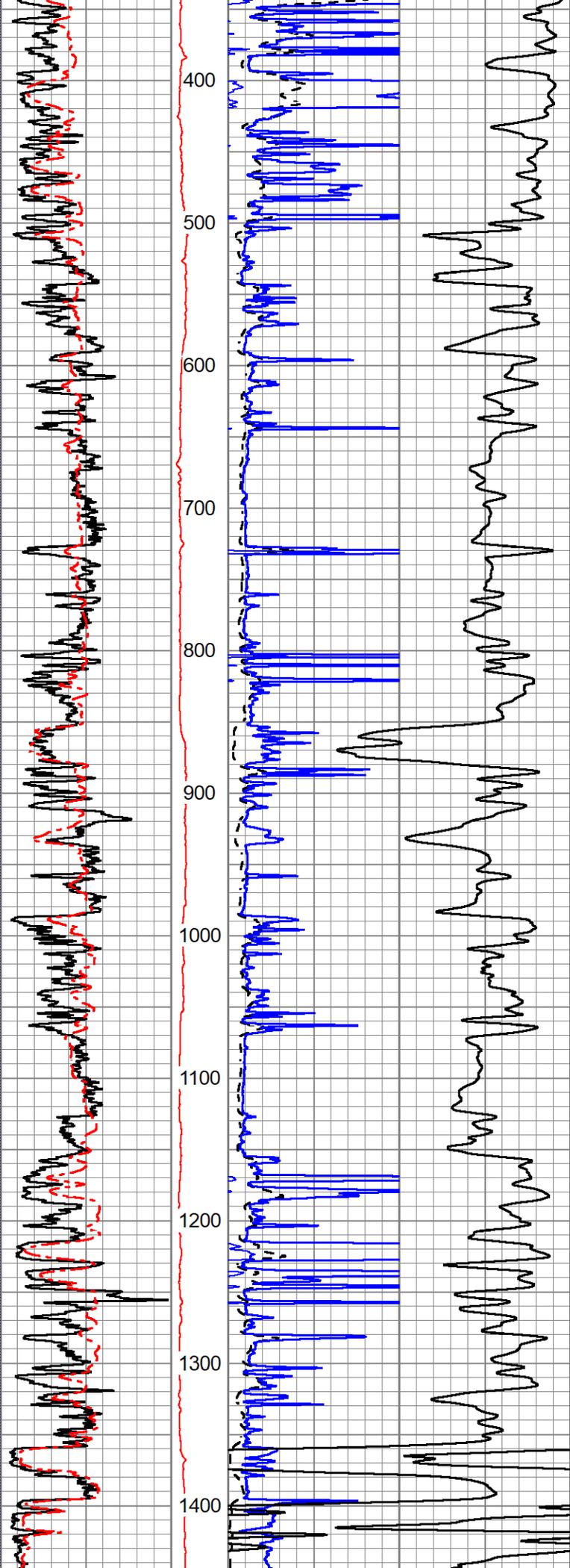


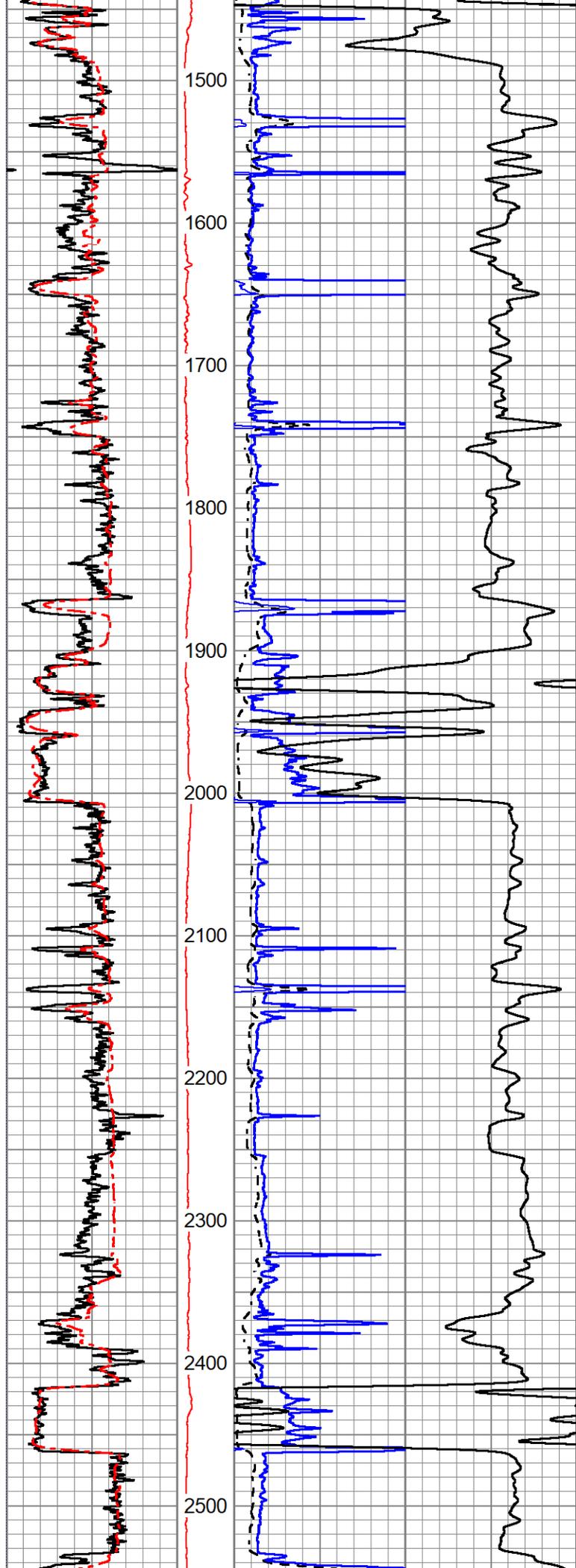
1" INDUCTION LOG

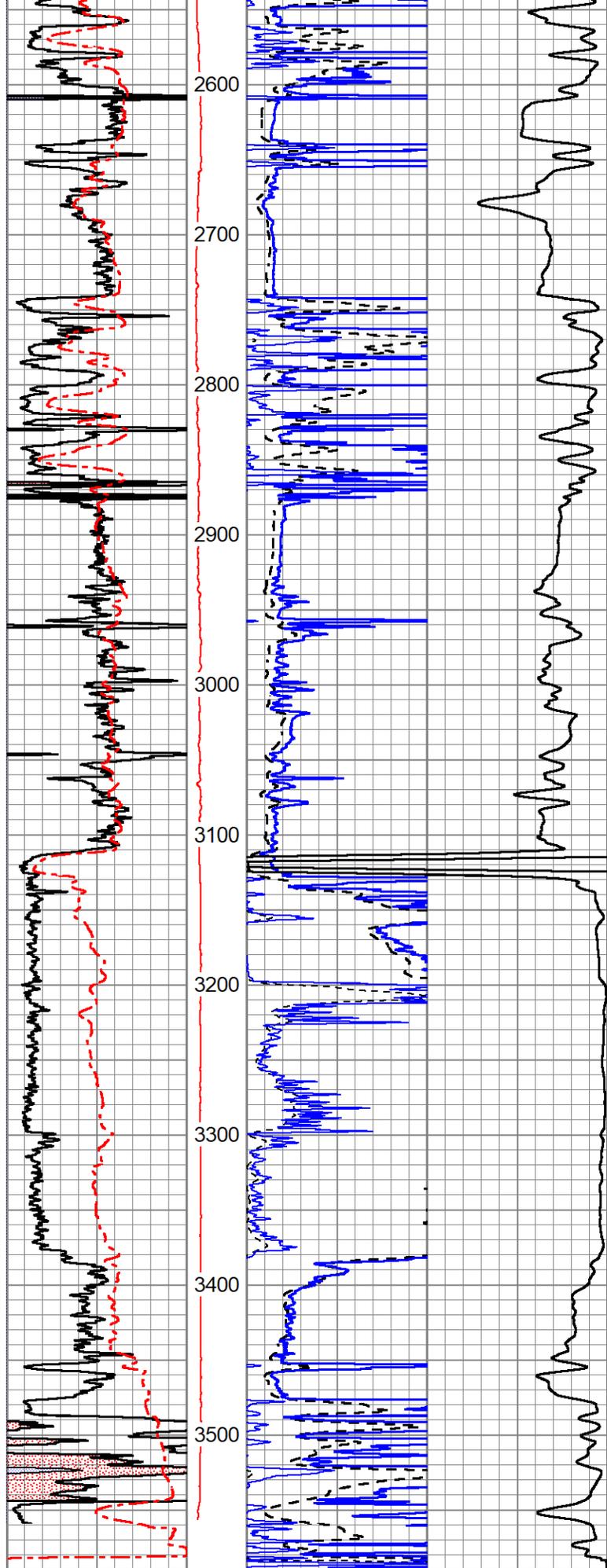
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 Dataset Pathname pass2.6
 Presentation Format st_dil_1inch_6-16
 Dataset Creation Wed Nov 23 17:42:33 2022
 Charted by Depth in Feet scaled 1:1200

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