



DUAL INDUCTION LL3/GR LOG

Company	VAL ENERGY INC	Company	VAL ENERGY INC
Well	HOUSE RANCH # 2-29	Well	HOUSE RANCH # 2-29
Field	CABIN VALLEY	Field	CABIN VALLEY
County	COWLEY	County	COWLEY
State	KANSAS	State	KANSAS
Location:	API # : 15-035-24772-00-00	Other Services	MICRO CDLN
Permanent Datum	GL	Elevation	1195
Log Measured From	KB	Elevation	K.B. 1204 D.F. 1203 G.L. 1195
Drilling Measured From	KB		
Date	11-2-2022		
Run Number	ONE		
Depth Driller	3399		
Depth Logger	3407		
Bottom Logged Interval	3405		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 315'		
Casing Logger	8.625" @ 315'		
Bit Size	7.875"		
Type Fluid in Hole	MUD		
Density / Viscosity	9.4 48		
pH / Fluid Loss			
Source of Sample	PIT		
Rm @ Meas. Temp	2.3 @ 70		
Rmf @ Meas. Temp	1.84 @ 70		
Rmc @ Meas. Temp	2.76 @ 70		
Source of Rmf / Rmc	CALCULATED		
Rm @ BHT	1.38 @ 110		
Time Circulation Stopped	9:30 PM		
Time Logger on Bottom	1:30 AM		
Maximum Recorded Temperature	110		
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	SHELDON TYLER	MACKAY	
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

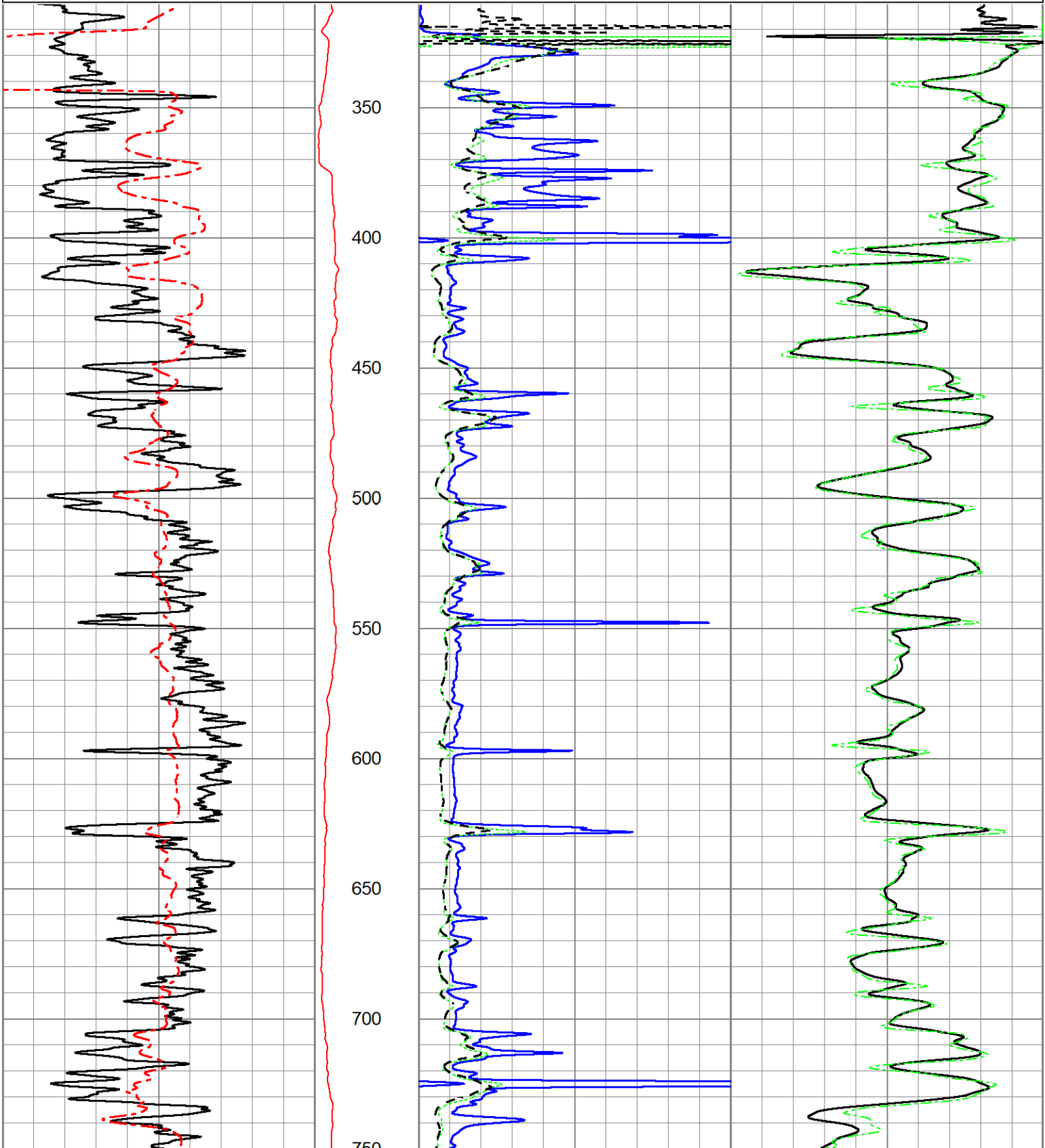
FILE # OW2-9144 VAL ENERGY
KIDD
THANK YOU FOR USING OSAGE WIRELINE

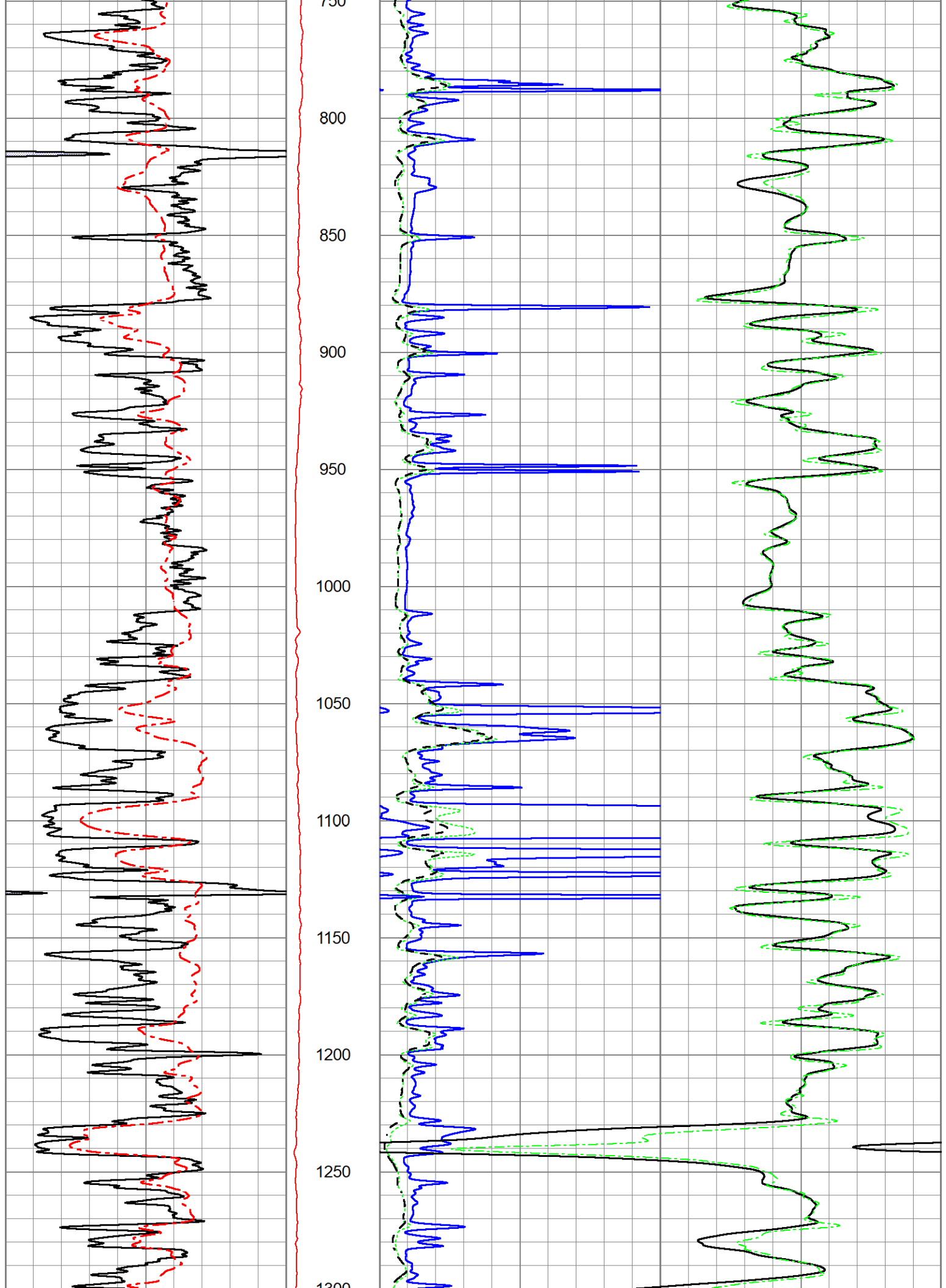


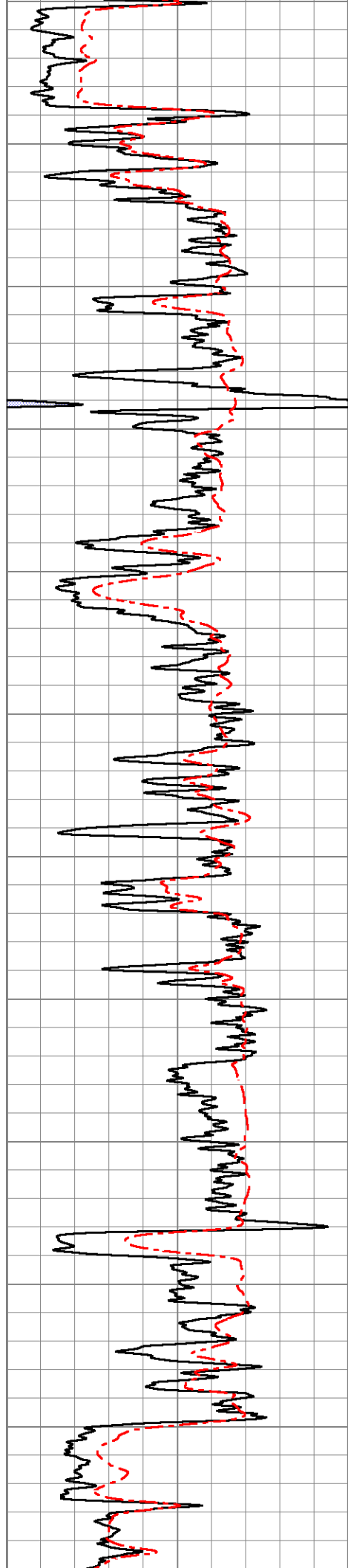
2" DUAL INDUCTION LOG

Database File	ow2-9144 val energy.db
Dataset Pathname	pass2.6
Presentation Format	st_dil_2inch_6-16
Dataset Creation	Wed Nov 02 02:42:11 2022
Charted by	Depth in Feet scaled 1:600

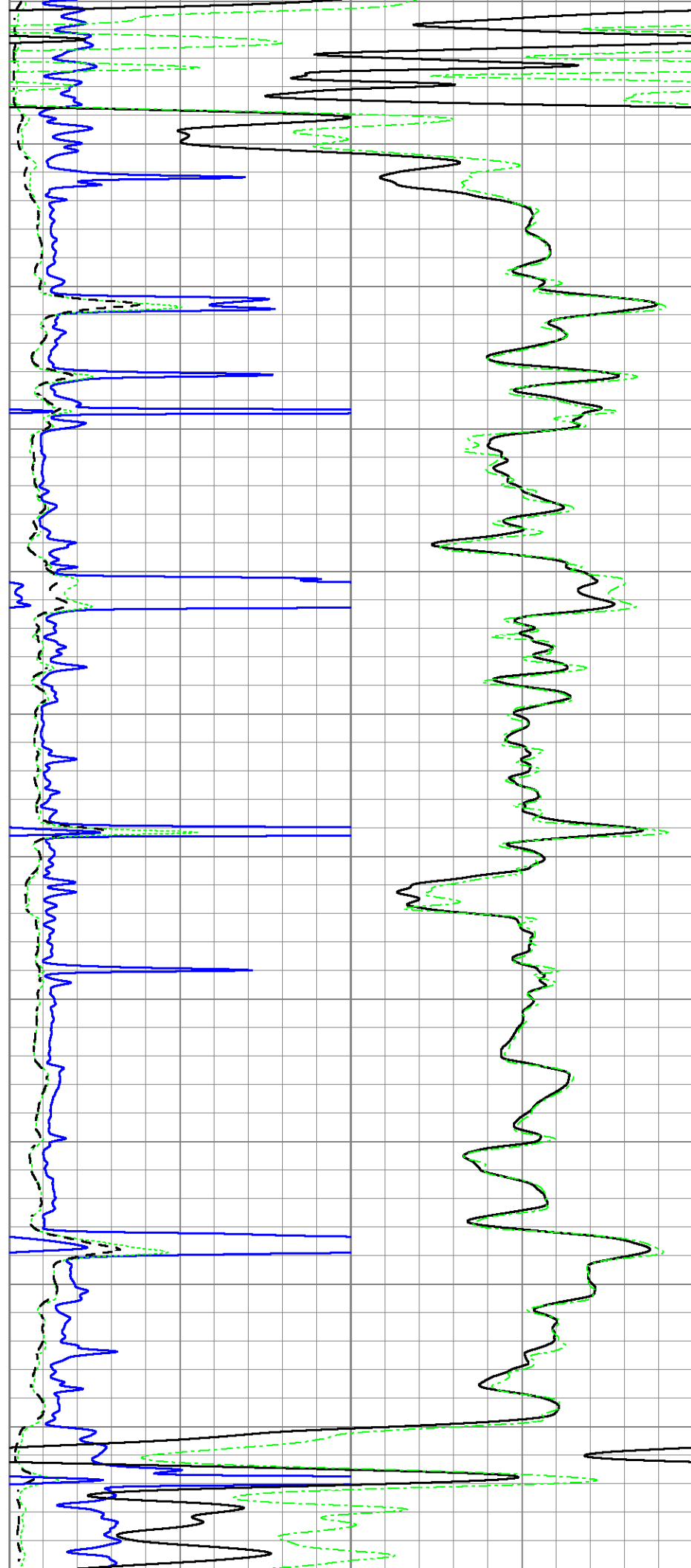
0	GR (GAPI)	150	DEVI	1000	CILD (mmho/m)	0
0	Spontaneous Potential (mV)	200	0 (deg)	15	CILM (mmho/m)	0
				0	RLL3 (Ohm-m)	50
				0	RILM (Ohm-m)	50
				0	RILD (Ohm-m)	50

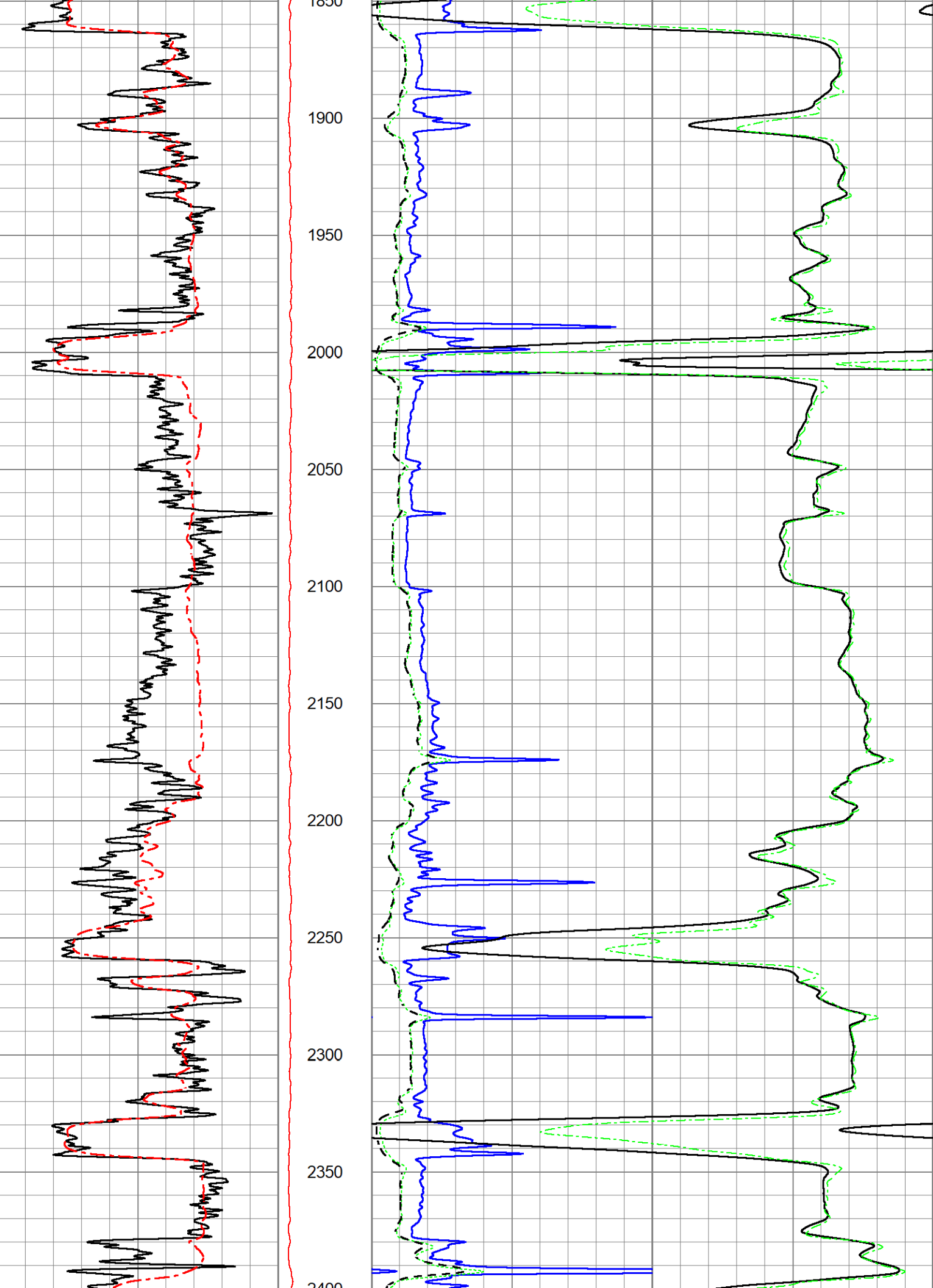


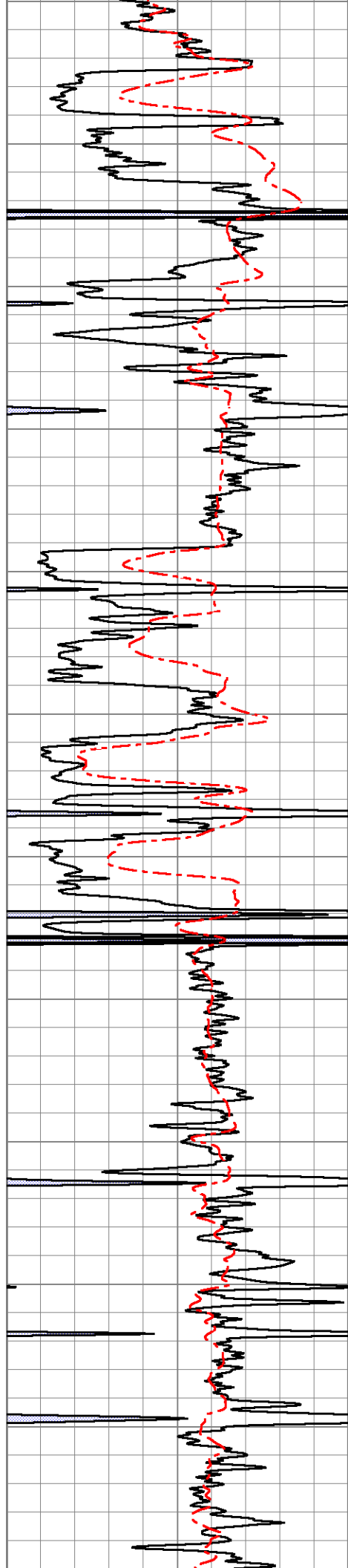




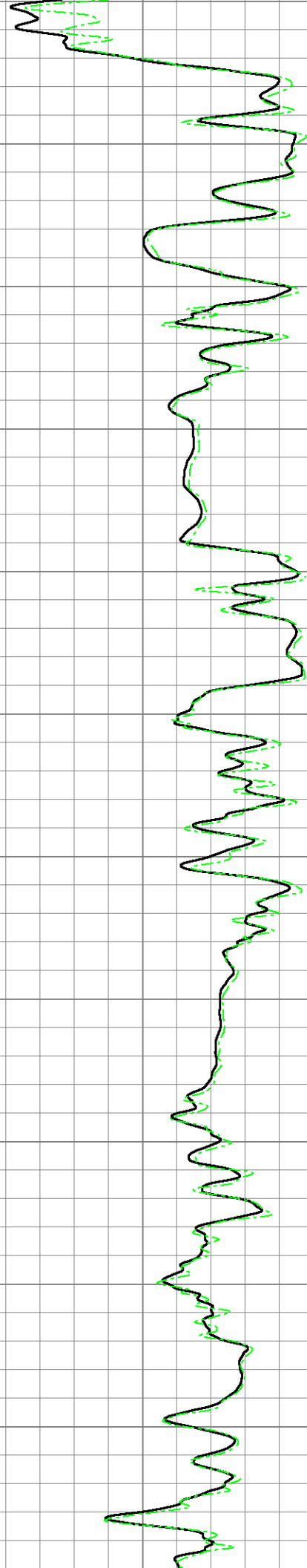
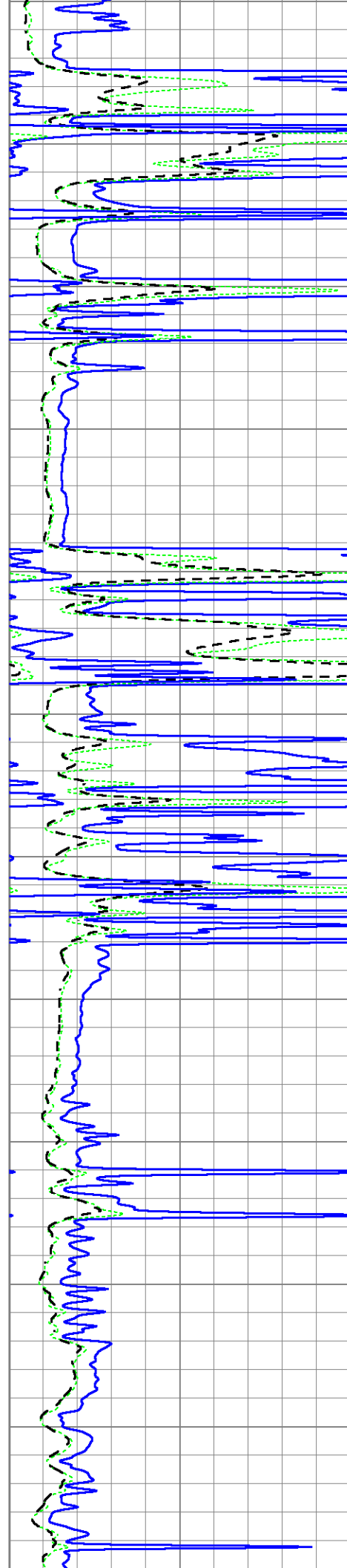
1500
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800
1850

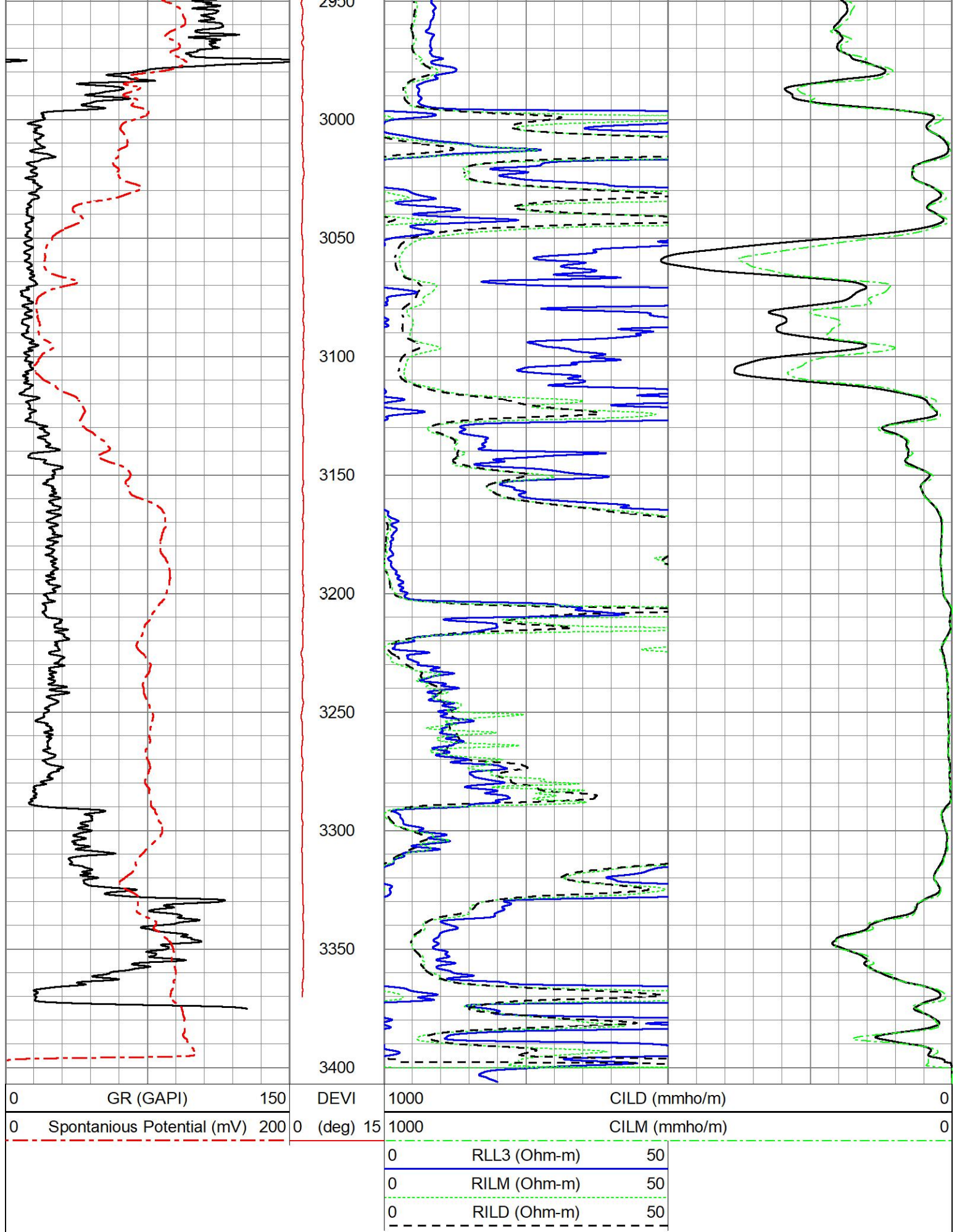






2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950



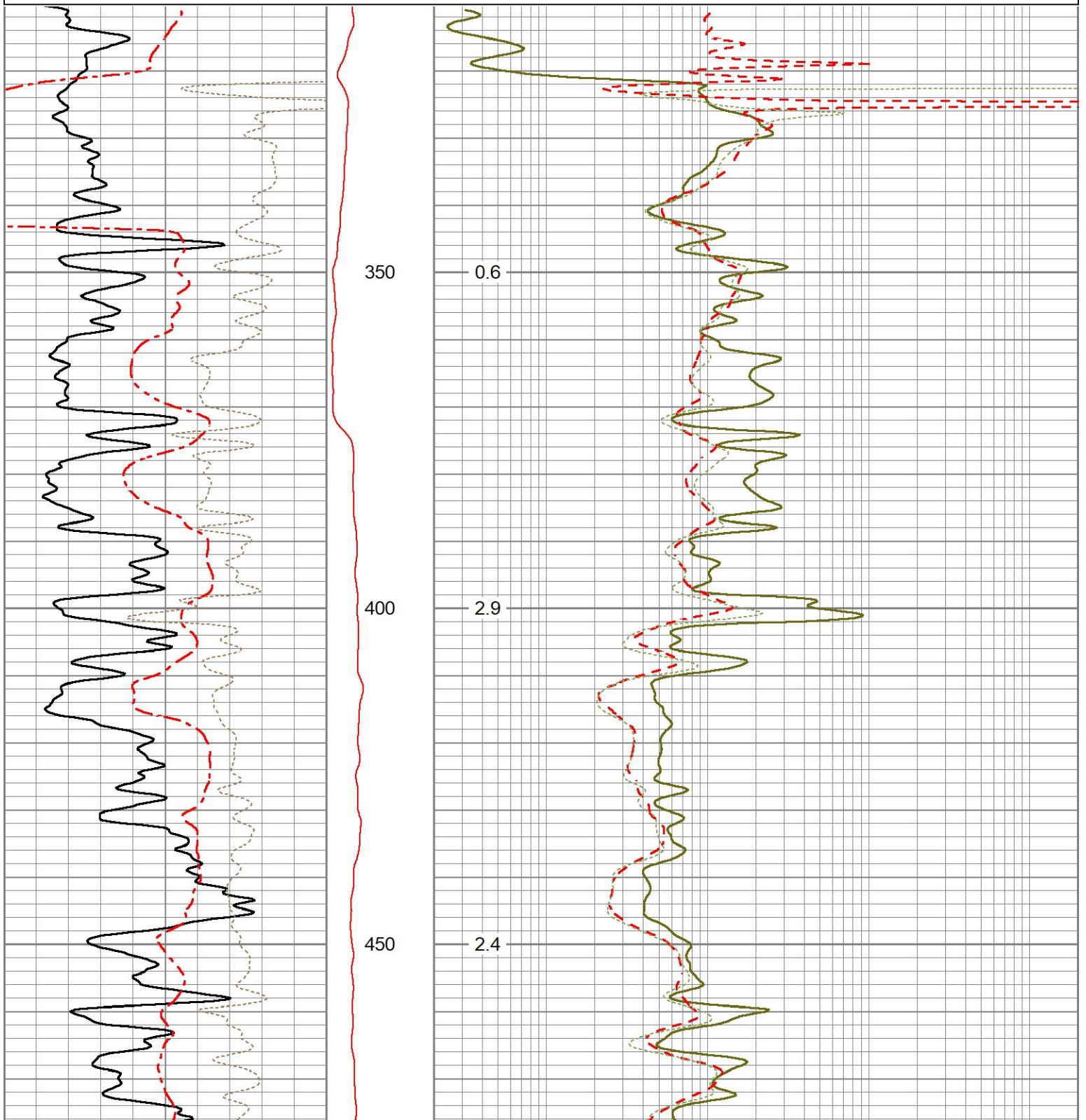


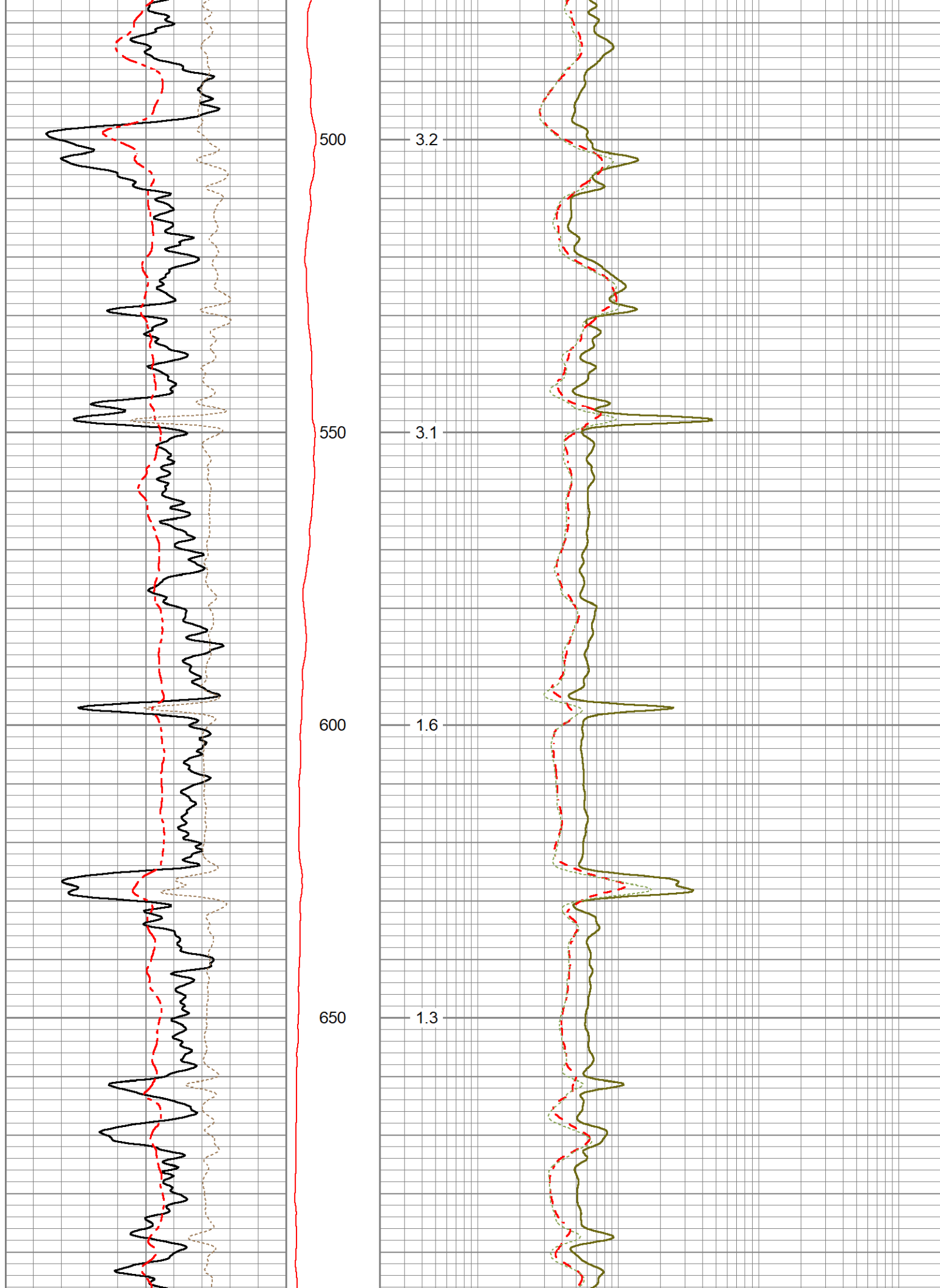


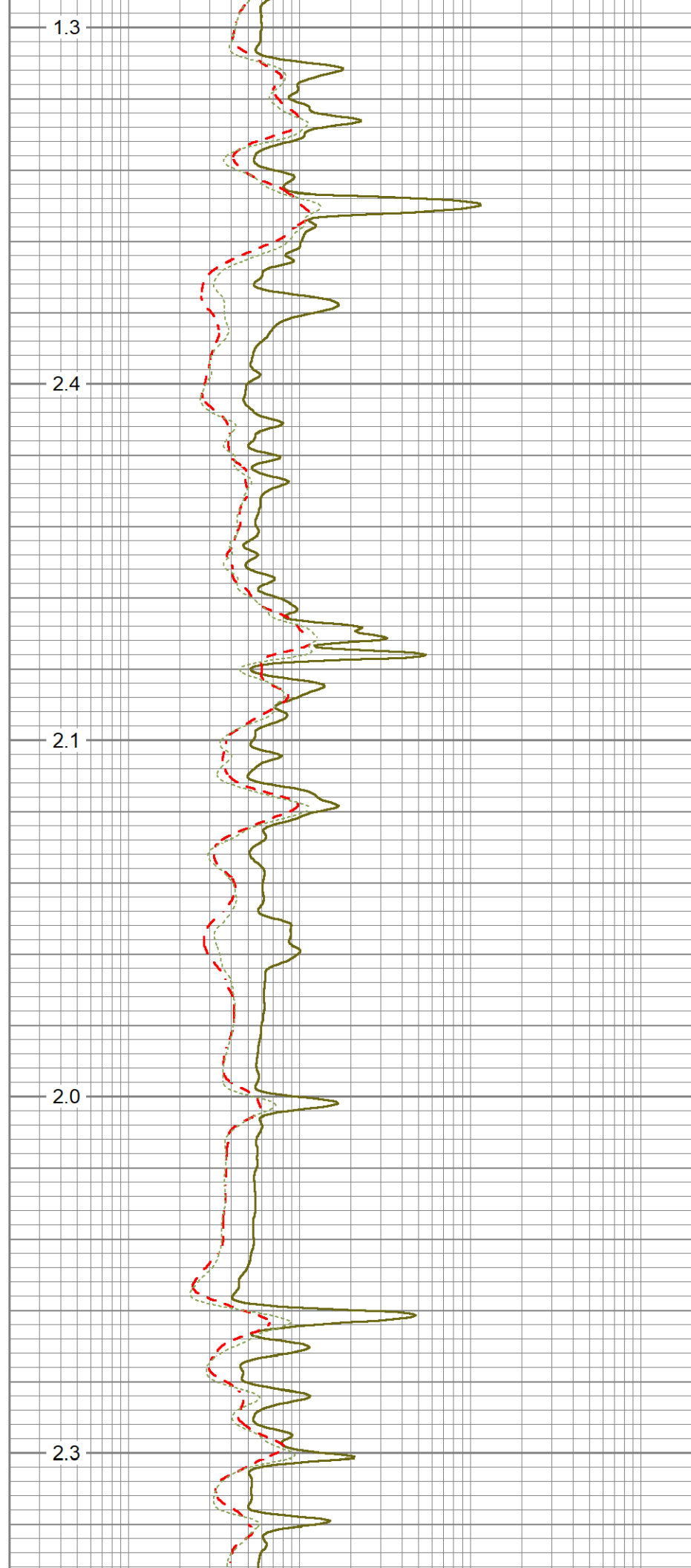
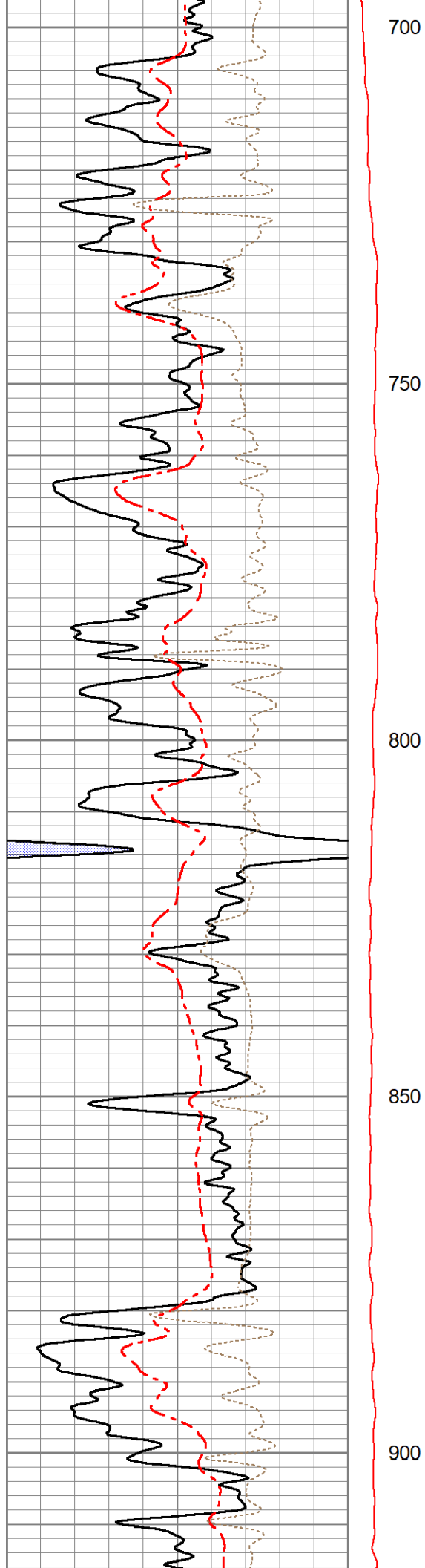
5" DUAL INDUCTION LOG

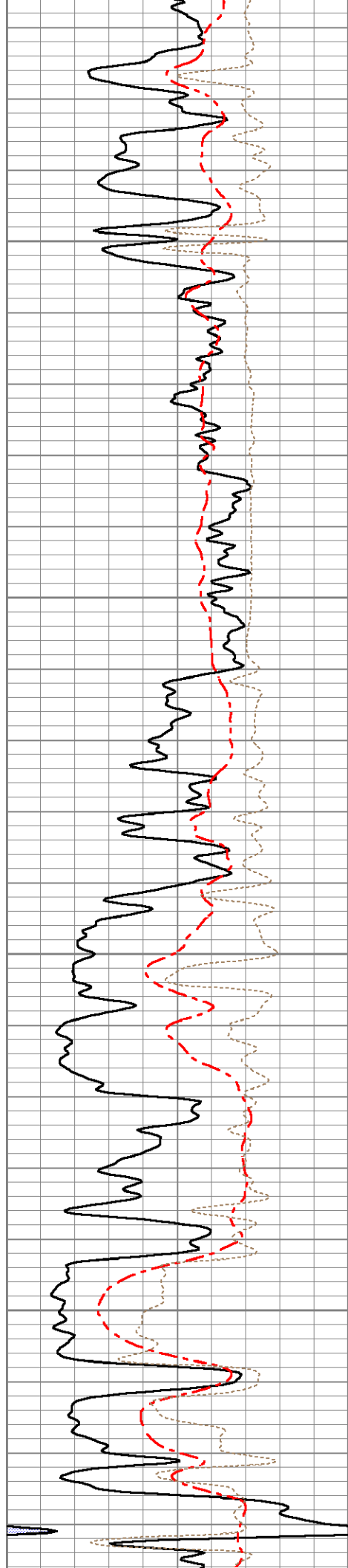
Database File ow2-9144 val energy.db
Dataset Pathname pass2.5
Presentation Format st-dil_5
Dataset Creation Wed Nov 02 02:40:47 2022
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	DEVI	0.2	Shallow Resistivity (Ohm-m)	2000
0	Spontaneous Potential (mV)	200	0 (deg) 10	0.2	Deep Resistivity (Ohm-m)	2000
-180	Rxo/Rt	50		0.2	Medium Resistivity (Ohm-m)	2000
			DEVI (deg)			









950

1000

1050

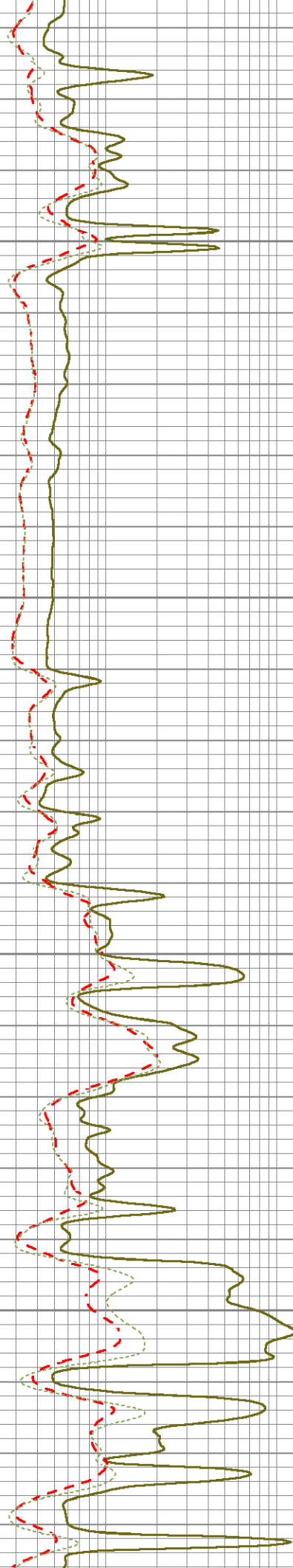
1100

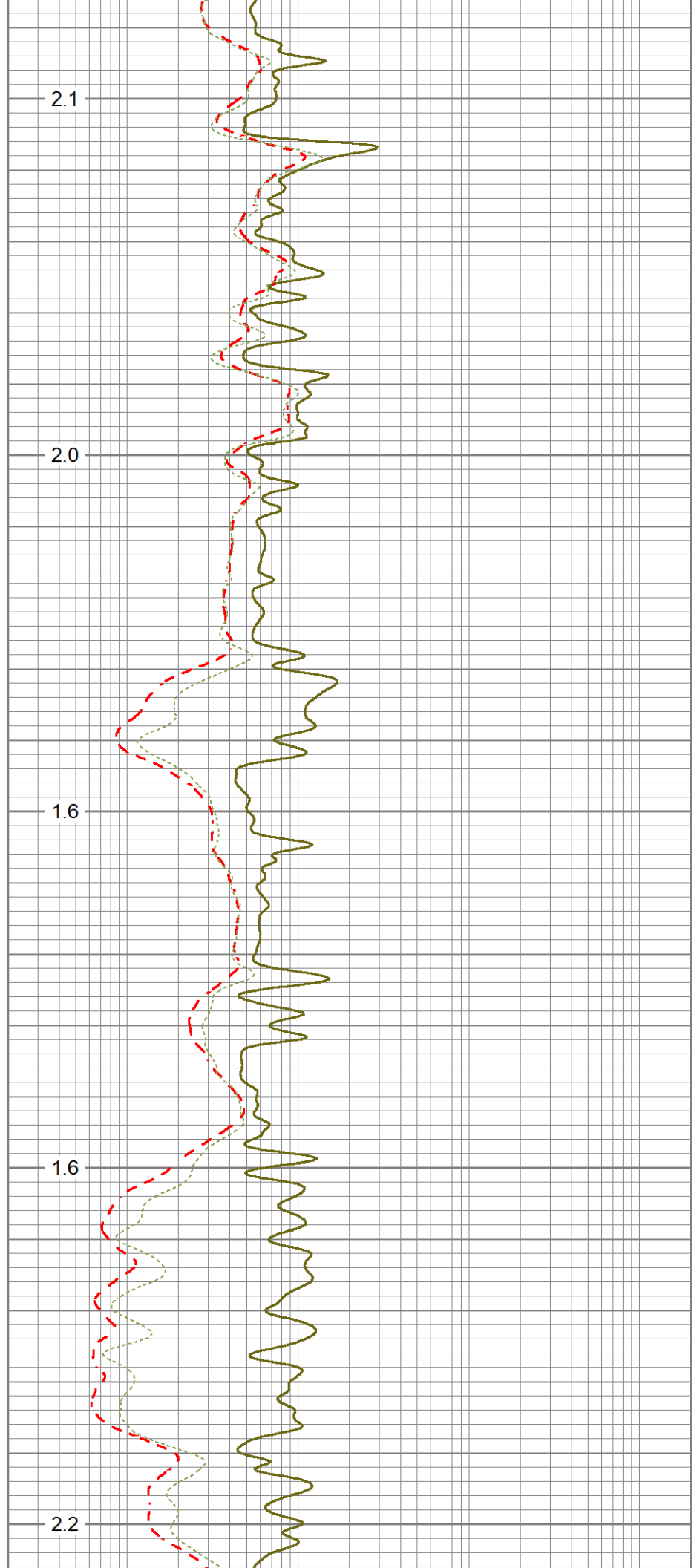
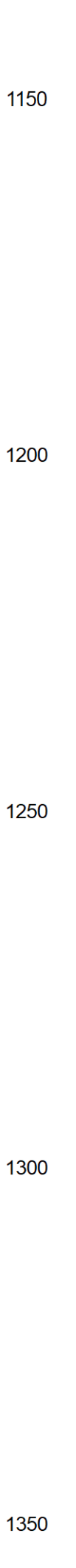
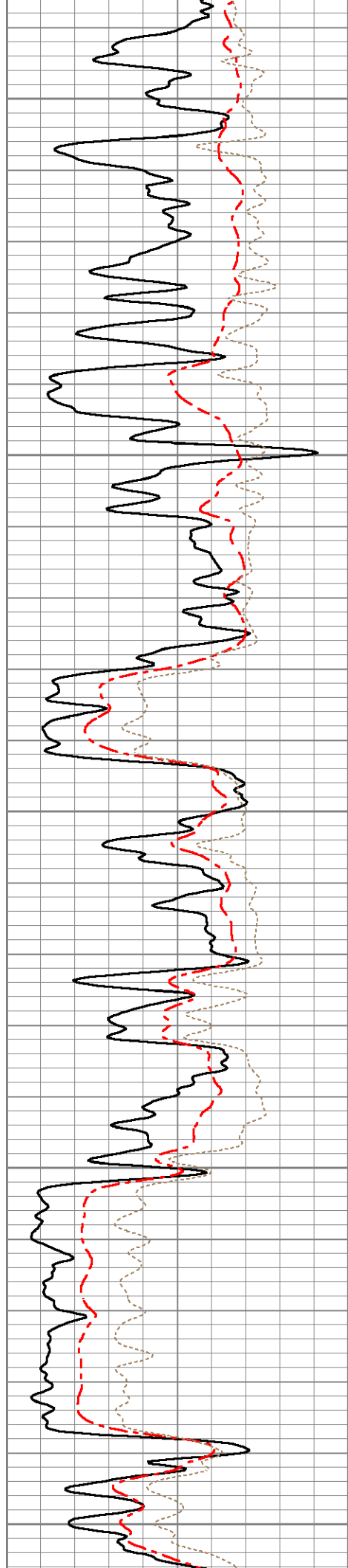
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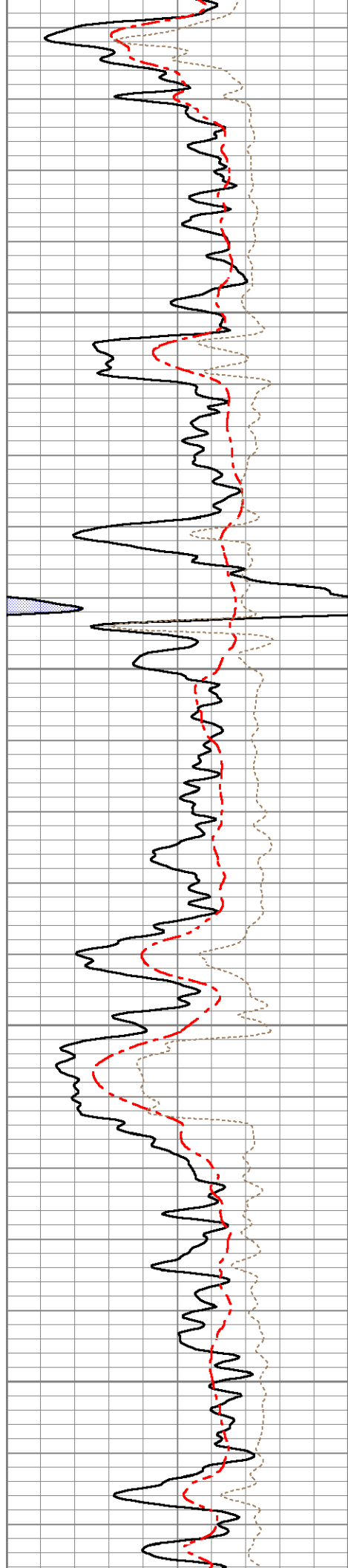
1.5

1.8

2.1







1400

1450

1500

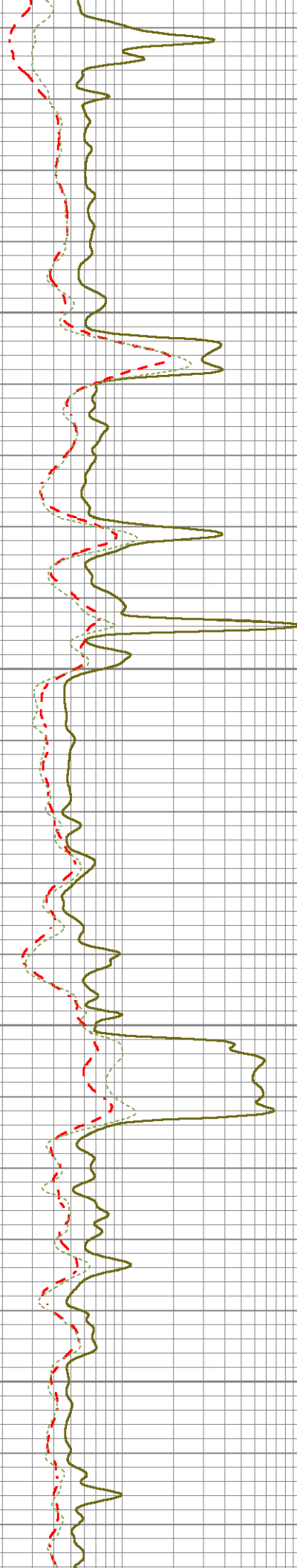
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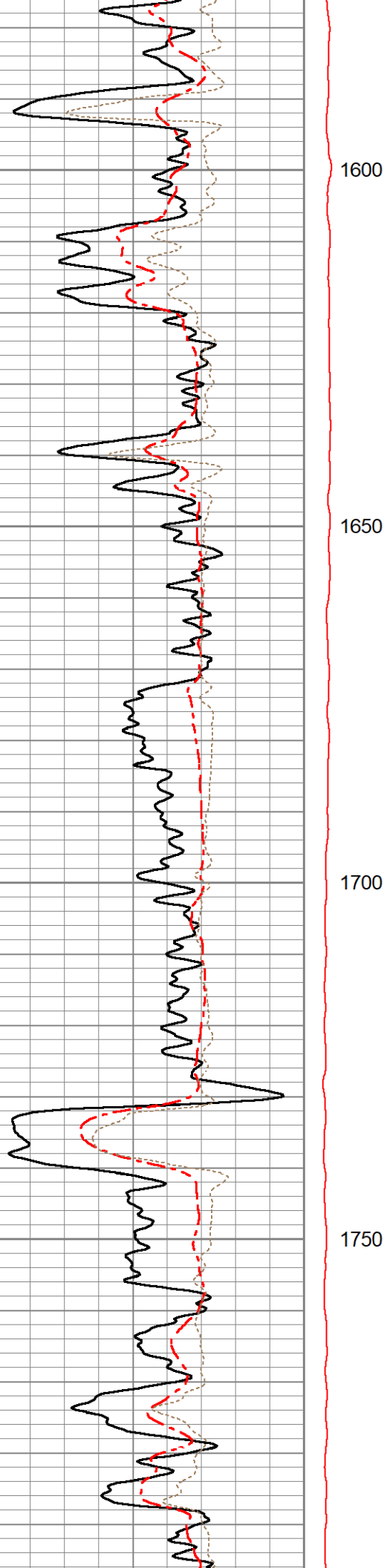
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1.6

1.6

2.2



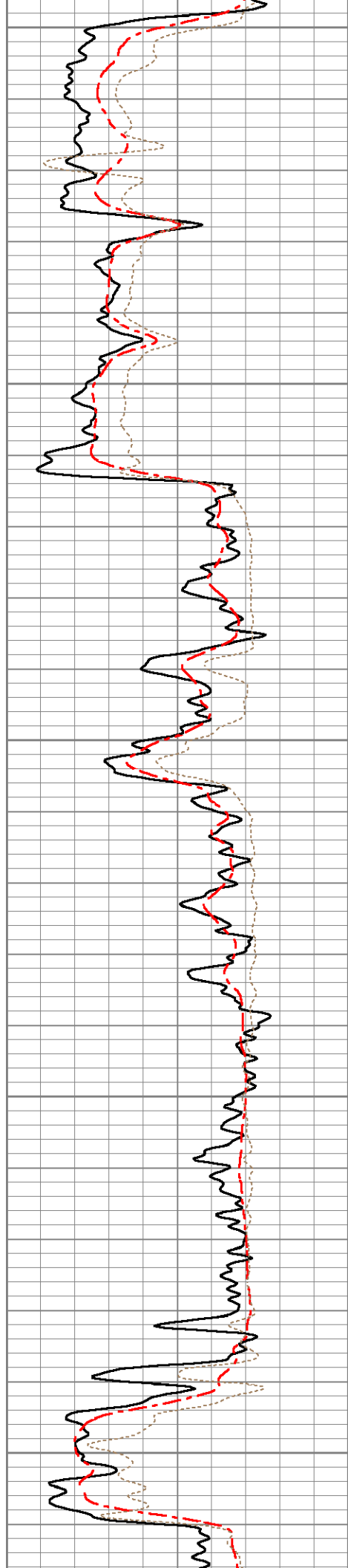


2.4

2.3

1.9

2.0



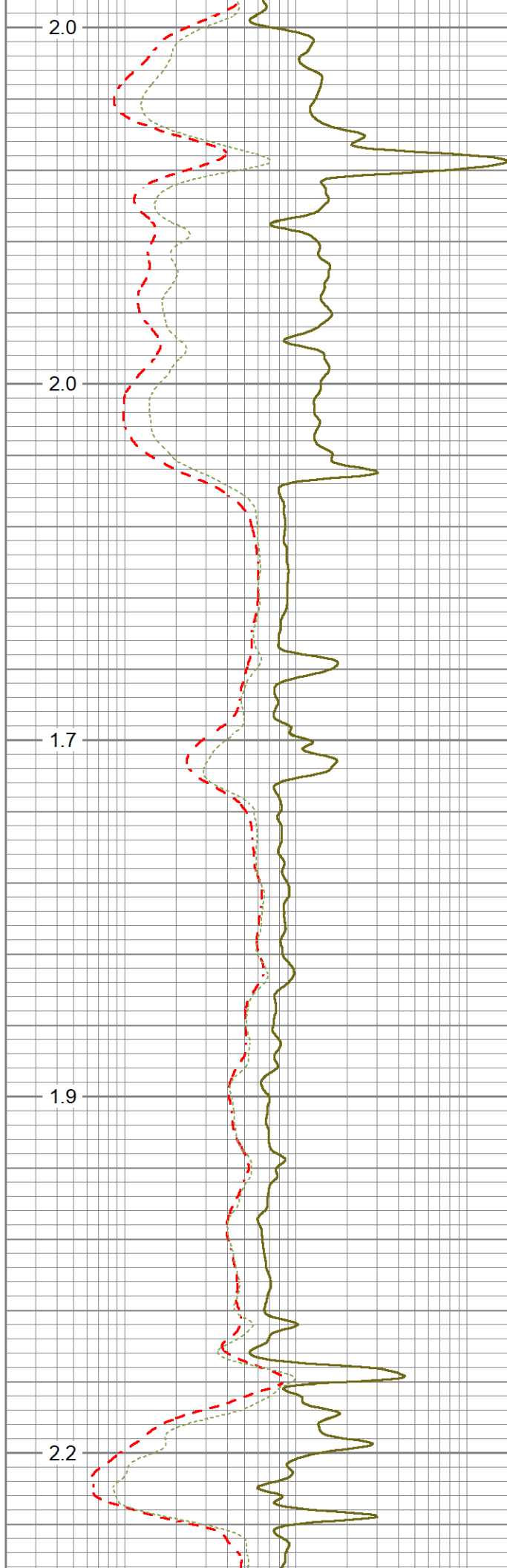
1800

1850

1900

1950

2000



2.0

2.0

1.7

1.9

2.2



2050

2100

2150

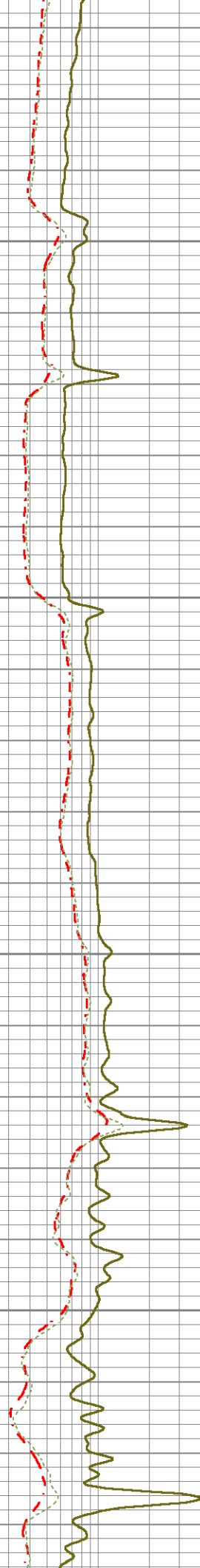
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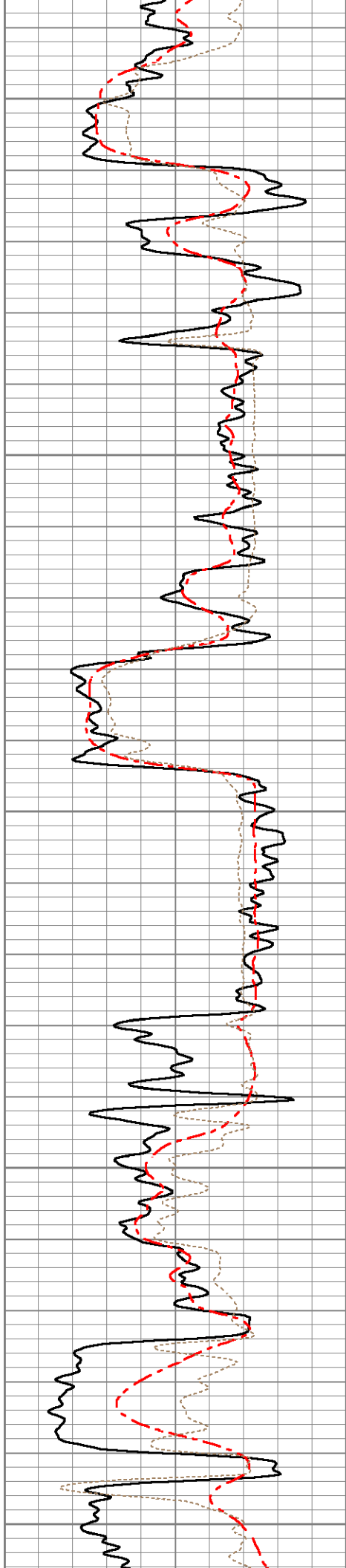
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2.0

1.8

1.8





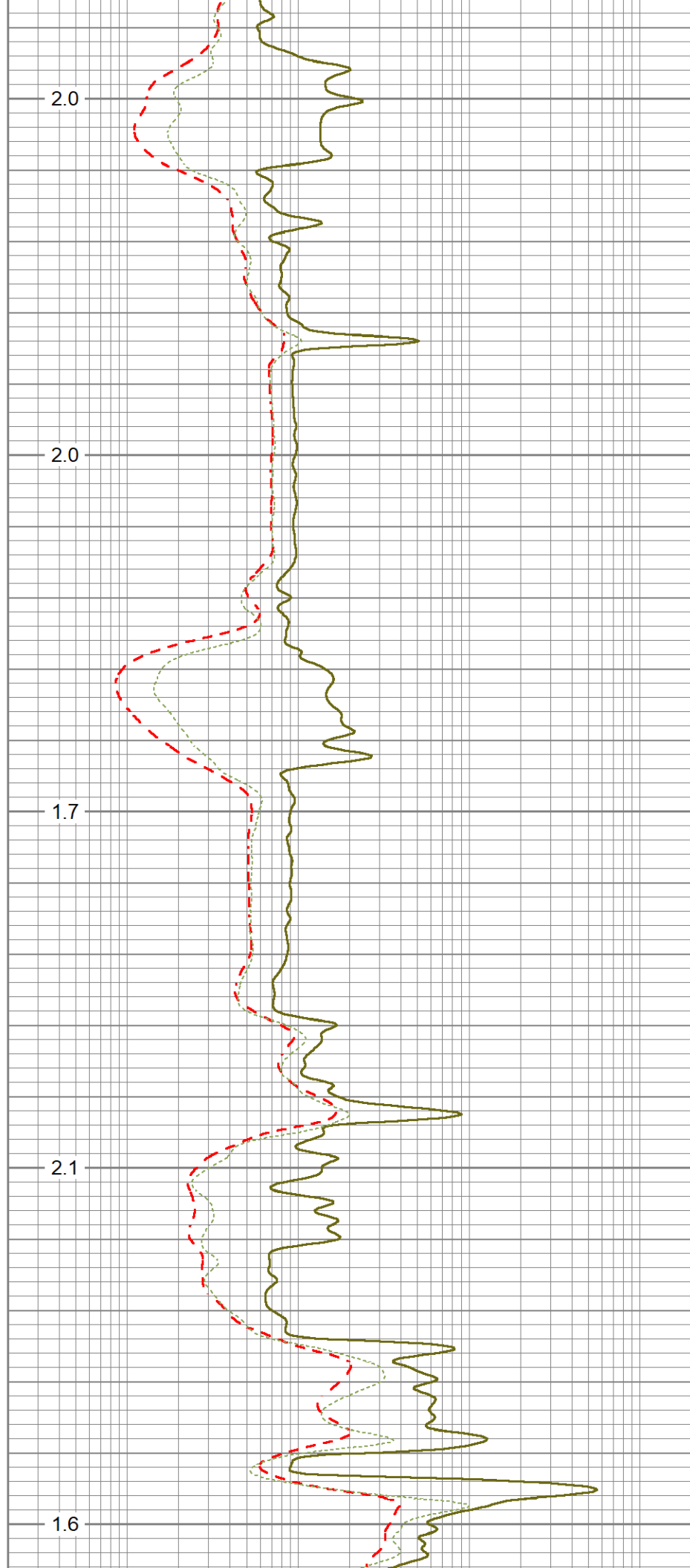
2250

2300

2350

2400

2450



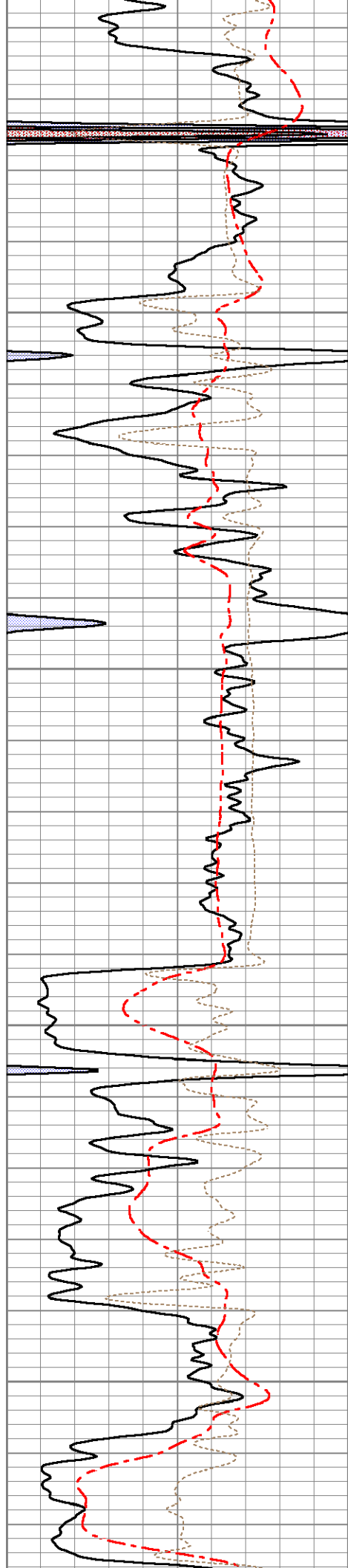
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2.0

1.7

2.1

1.6



2500

2550

2600

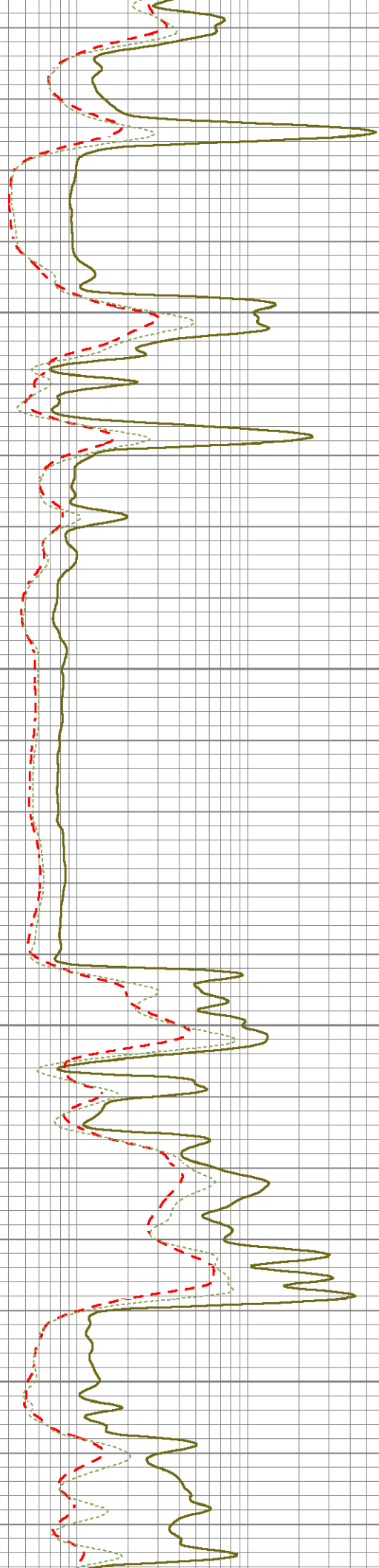
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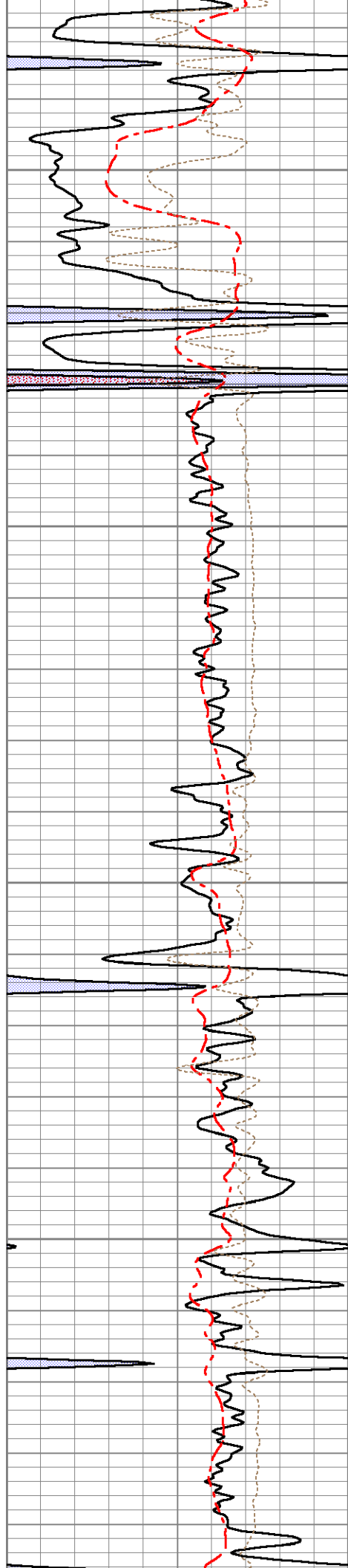
1.7

1.7

1.5

1.6





2700

2750

2800

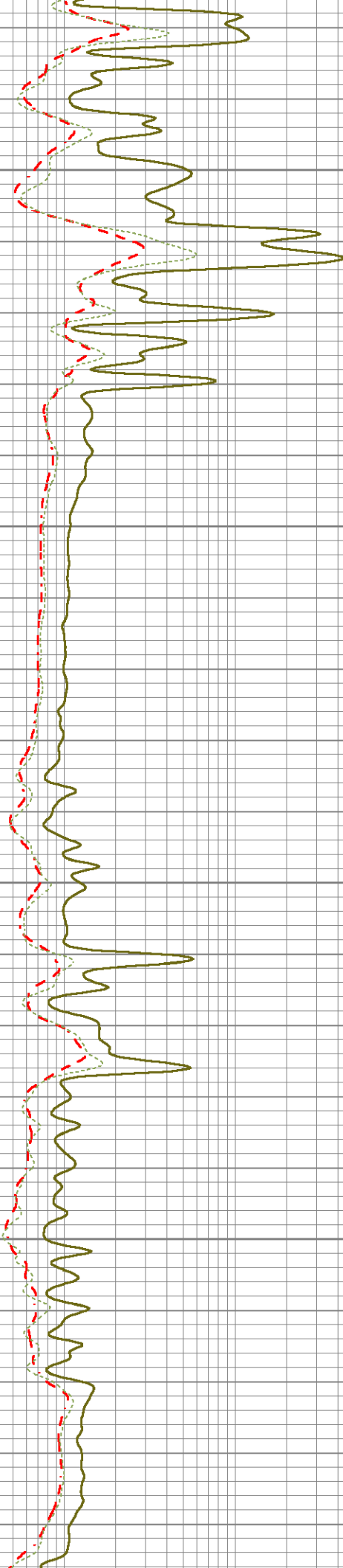
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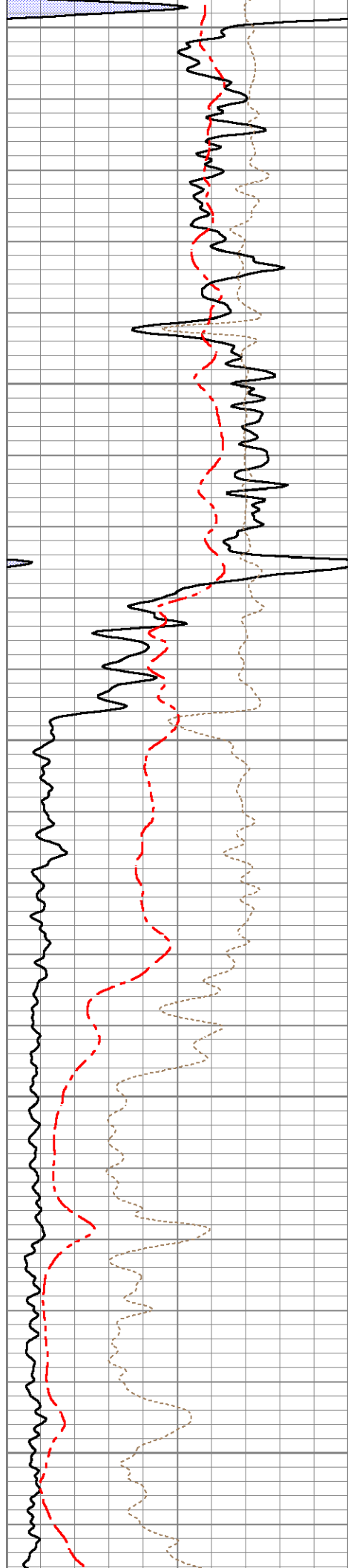
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1.9

1.7

2.0





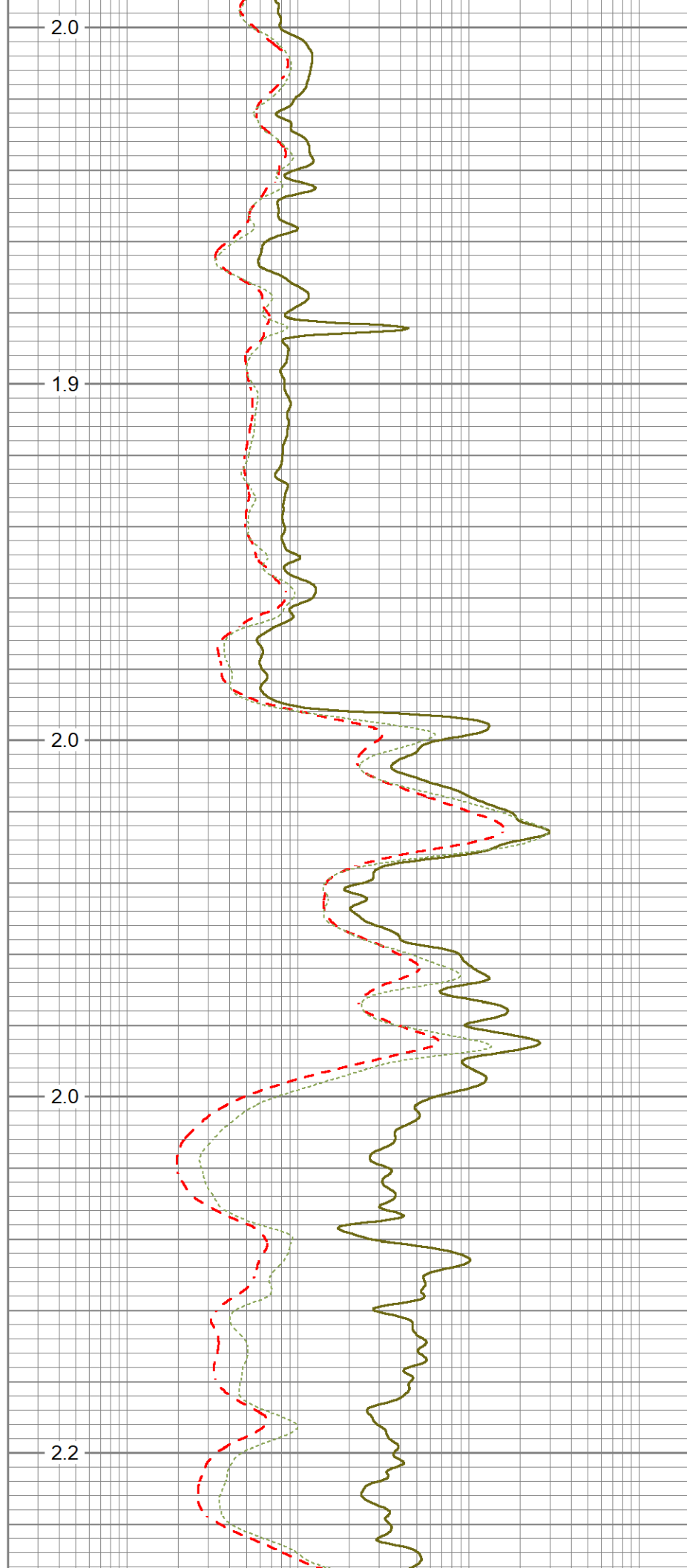
2900

2950

3000

3050

3100



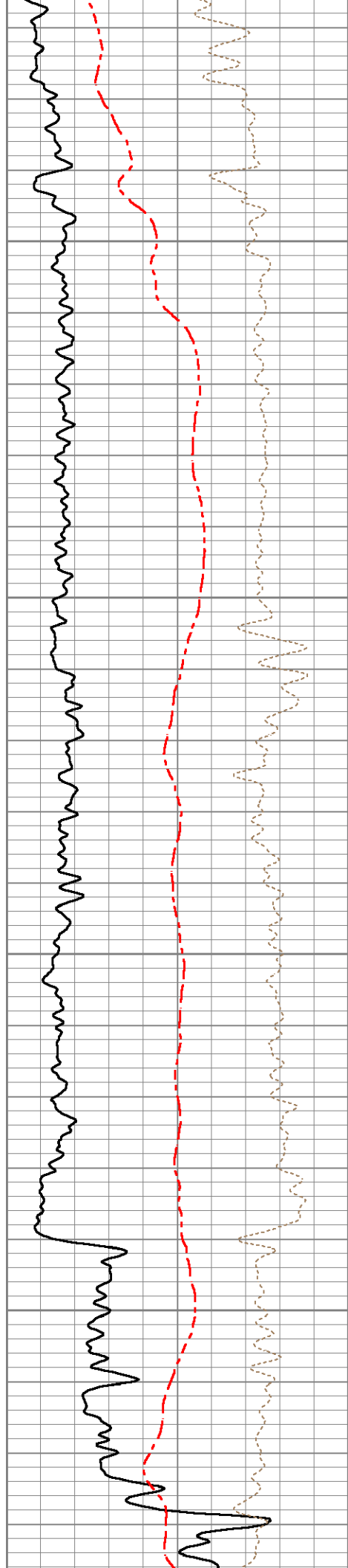
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1.9

2.0

2.0

2.2

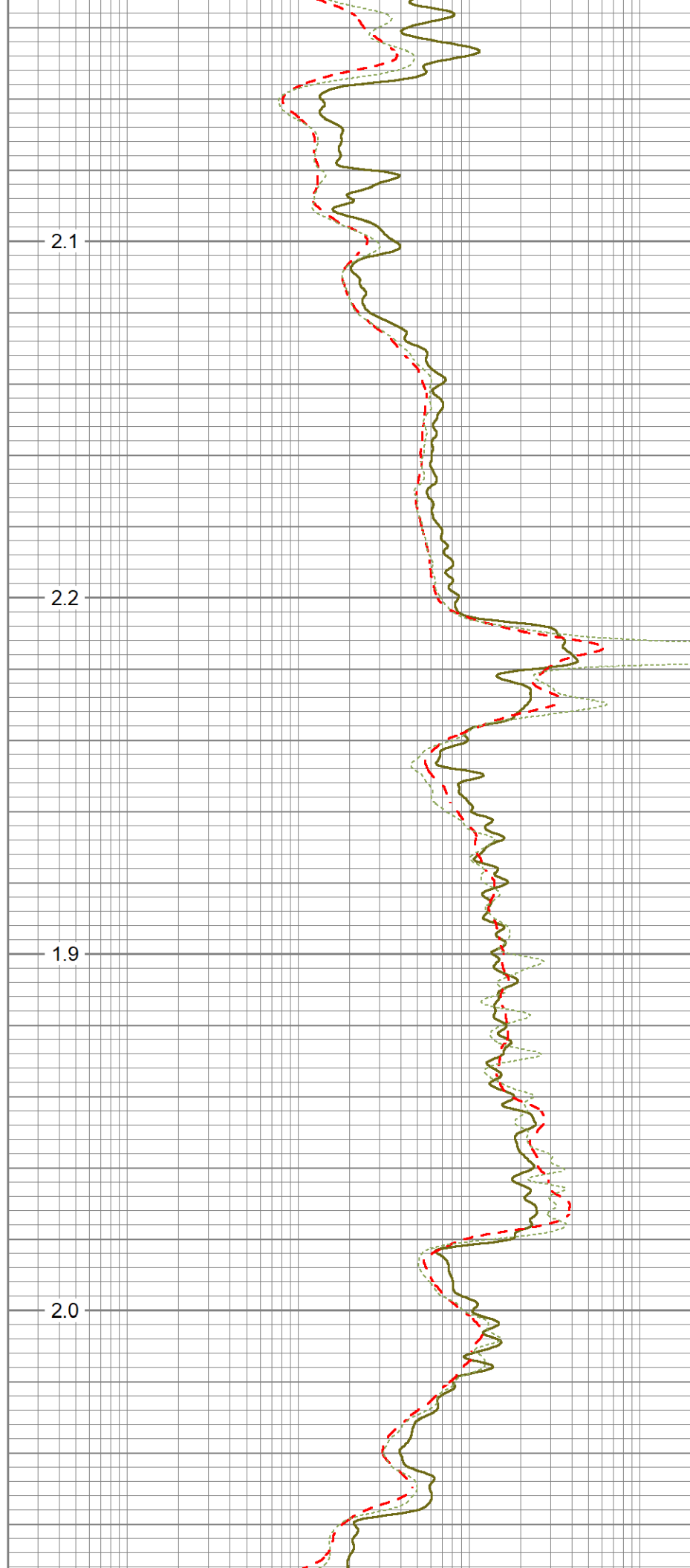


3150

3200

3250

3300

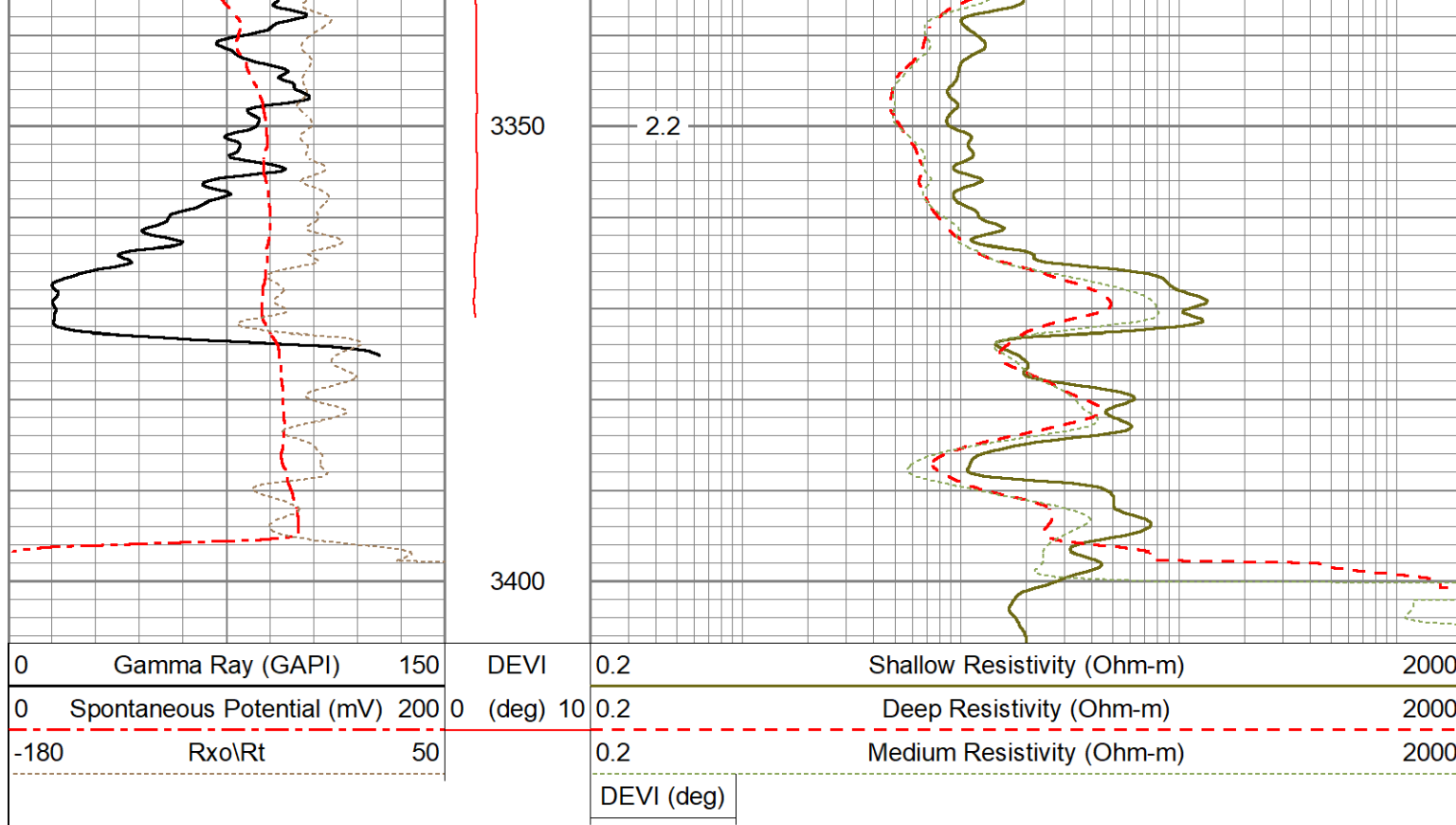


2.1

2.2

1.9

2.0



Calibration Report									
Database File	ow2-9144 val energy.db								
Dataset Pathname	pass2.5								
Dataset Creation	Wed Nov 02 02:40:47 2022								
Dual Induction Calibration Report									
Serial-Model:					BlackTool-G				
Surface Cal Performed:					Tue Aug 9 20:33:47 2022				
Downhole Cal Performed:					Tue Nov 17 10:50:14 2020				
After Survey Verification Performed:					Tue Nov 17 10:50:14 2020				
Surface Calibration									
		Readings						Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.007	0.642	V	12.000	400.000	mmho/m	611.149	7.770	
Medium	0.010	0.728	V	-14.250	450.000	mmho/m	645.924	-20.507	
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						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						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	5.8000	20.5000	in	1.6727	5.2176

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

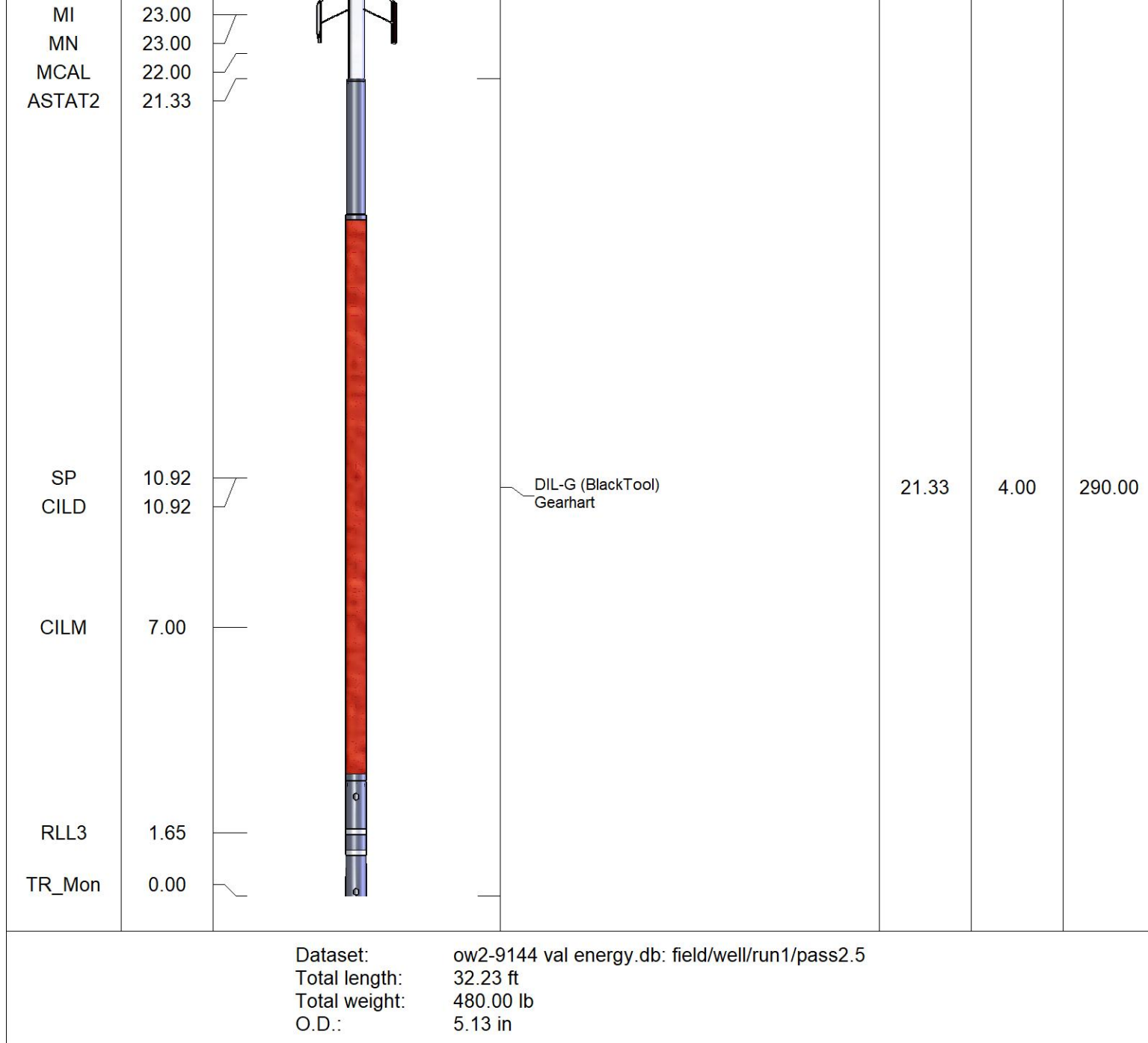
Serial Number: Refurb01
Tool Model: OSAGE_01
Performed: Mon Jan 18 09:02:16 2021

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					
SSTAT	28.54					
PSTAT	28.54					
ASTAT	28.54					
			MICRO_DIG-0sage (110861) Digital Microlog	7.21	5.13	137.00

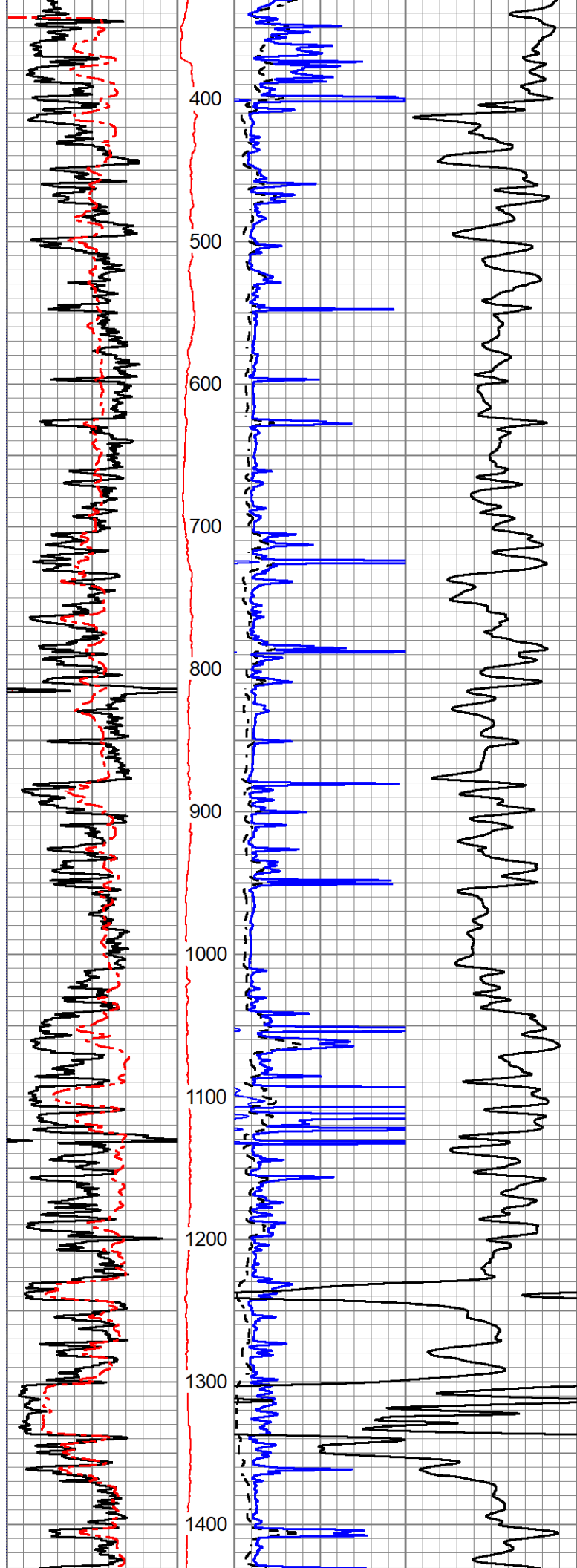


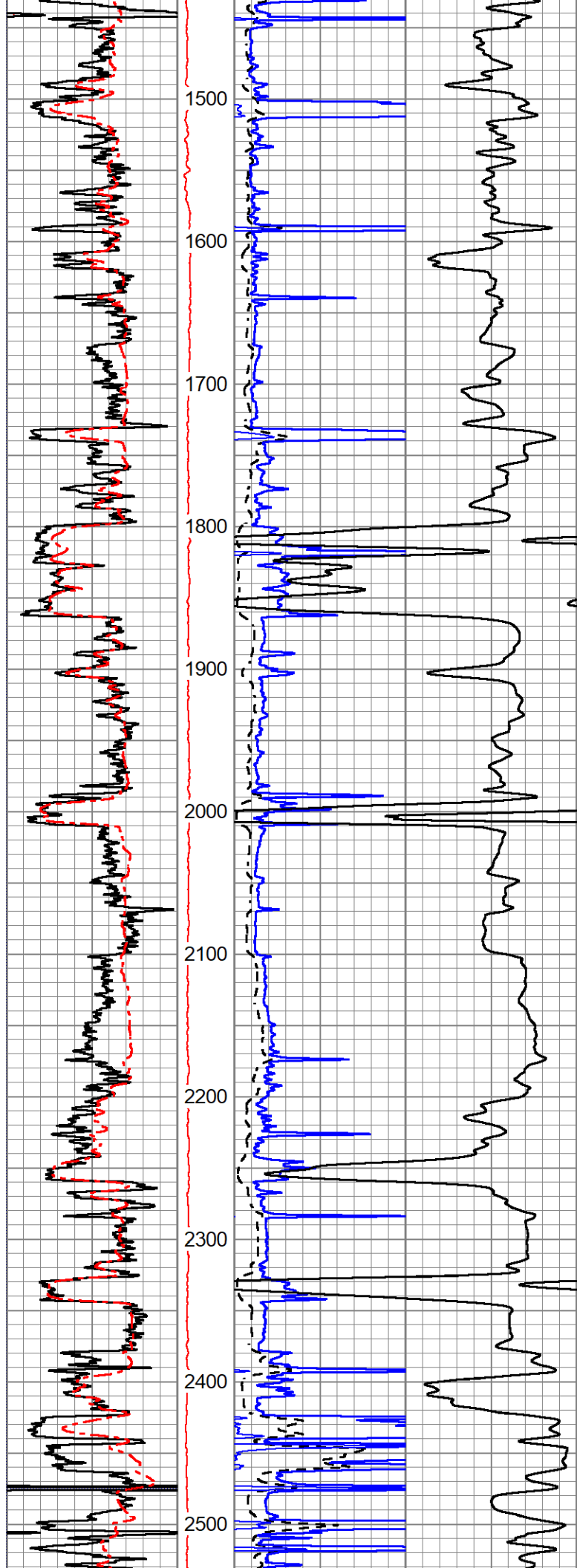
1" INDUCTION LOG

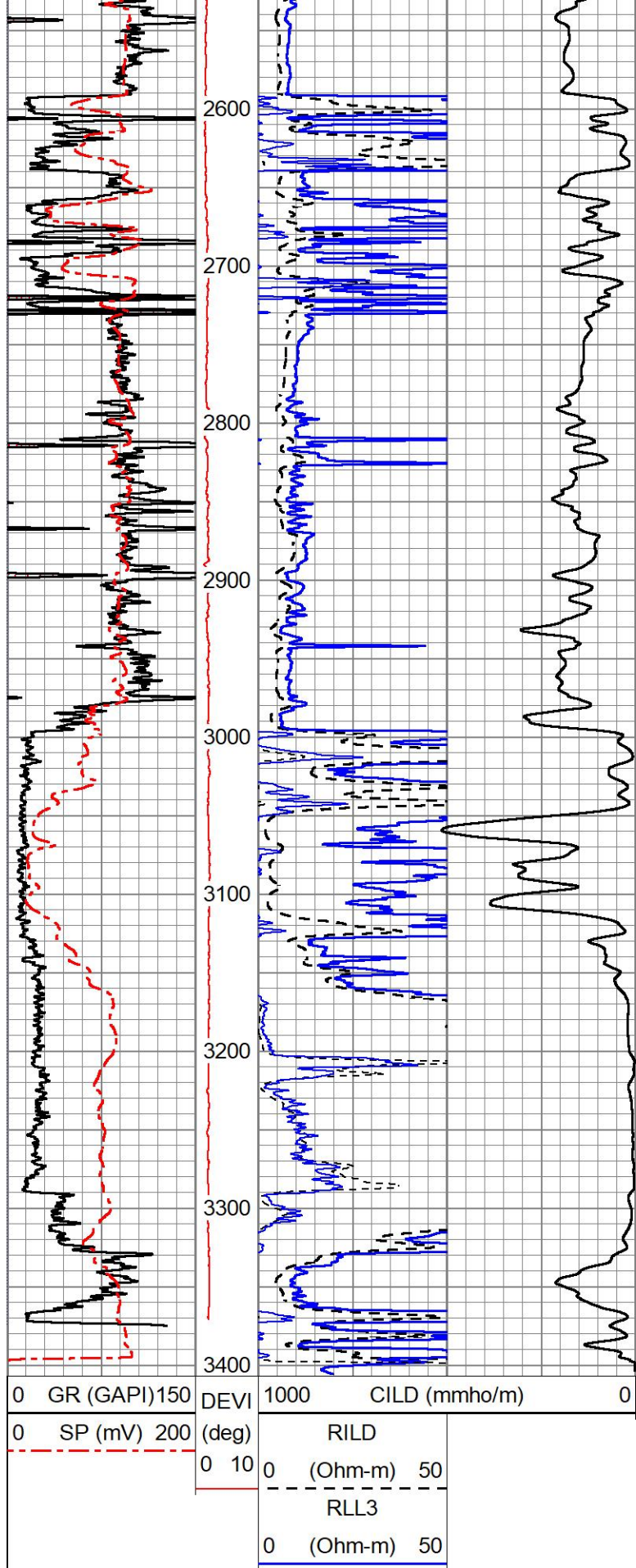
Database File ow2-9144 val energy.db
Dataset Pathname pass2.7
Presentation Format st_dil_1inch_6-16
Dataset Creation Wed Nov 02 02:42:19 2022
Charted by Depth in Feet scaled 1:1200

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	









1" INDUCTION LOG

