



DUAL INDUCTION GR/L3 LOG

Company	VAL ENERGY, INC	Location:	API # : 15-035-24796-00-00	Other Services
Well	ROGERS # 1-20			MICRO CDLN
Field	BOLAK			
County	COWLEY			
State	KANSAS			
Permanent Datum	GL	Elevation	1311	Elevation
Log Measured From	KB			K.B. 1319
Drilling Measured From	KB			D.F. 1318
				G.L. 1311
Date	4-17-24			
Run Number	ONE			
Depth Driller	3250			
Depth Logger	3251			
Bottom Logged Interval	3247			
Top Log Interval	SURFACE			
Casing Driller	8.625" @ 328 GL			
Casing Logger	8.625" @ 328 GL			
Bit Size	7.875"			
Type Fluid in Hole	MUD			
Density / Viscosity	9.4 / 67			
pH / Fluid Loss	10.5 / 6.7			
Source of Sample	PIT			
Rm @ Meas. Temp	2.6 @ 70			
Rmf @ Meas. Temp	2.08 @ 70			
Rmc @ Meas. Temp	3.12 @ 70			
Source of Rmf / Rmc	CALCULATED			
Rm @ BHT	1.64 @ 106			
Time Circulation Stopped	8:30 AM			
Time Logger on Bottom	11:30 AM			
Maximum Recorded Temperature	106			
Equipment Number	OW2			
Location	HOMINY, OK			
Recorded By	MACKEY		KIDD	
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

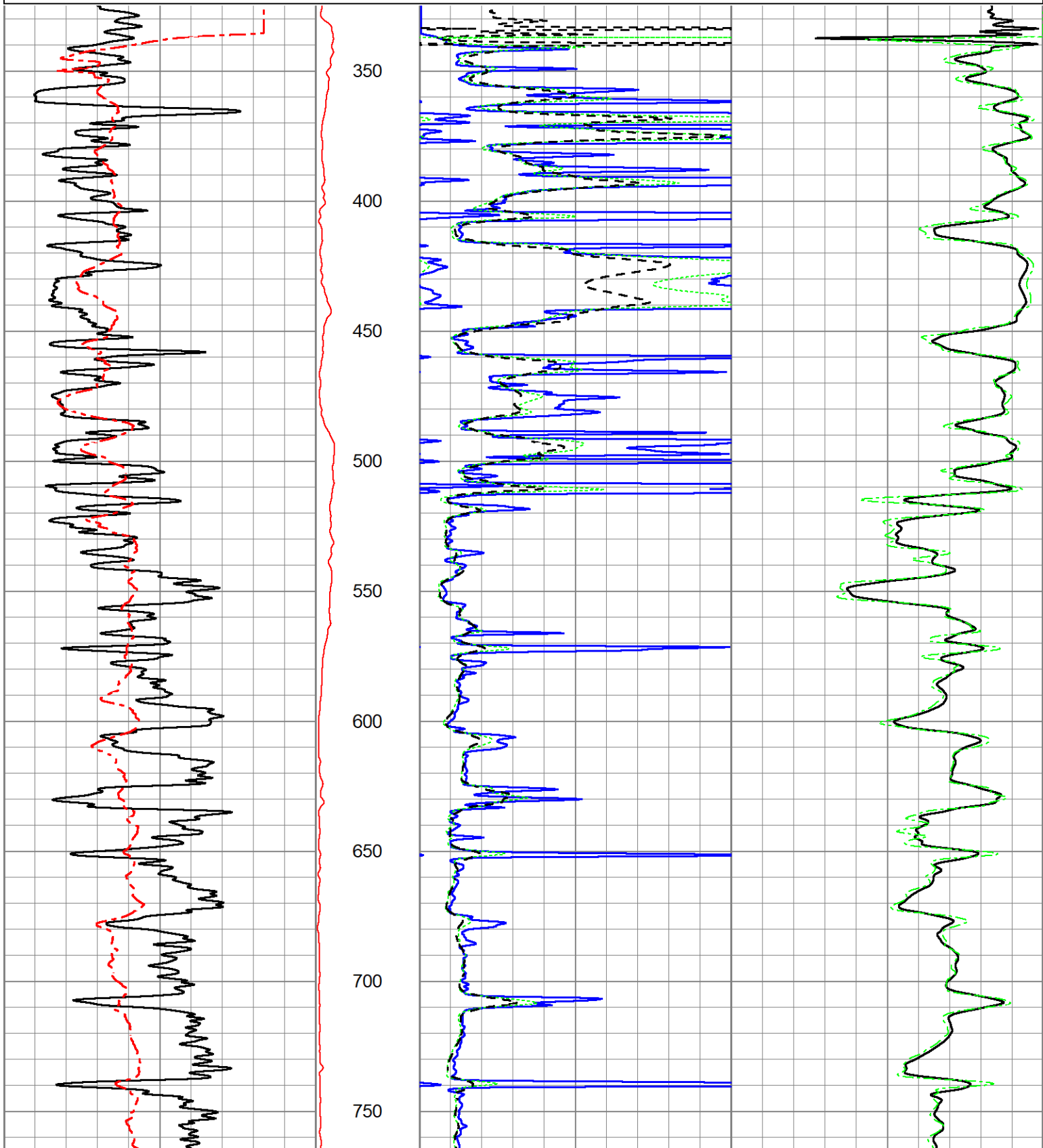
FILE # OW2-9336 VAL ENERGY
THANK YOU FOR USING OSAGE WIRELINE

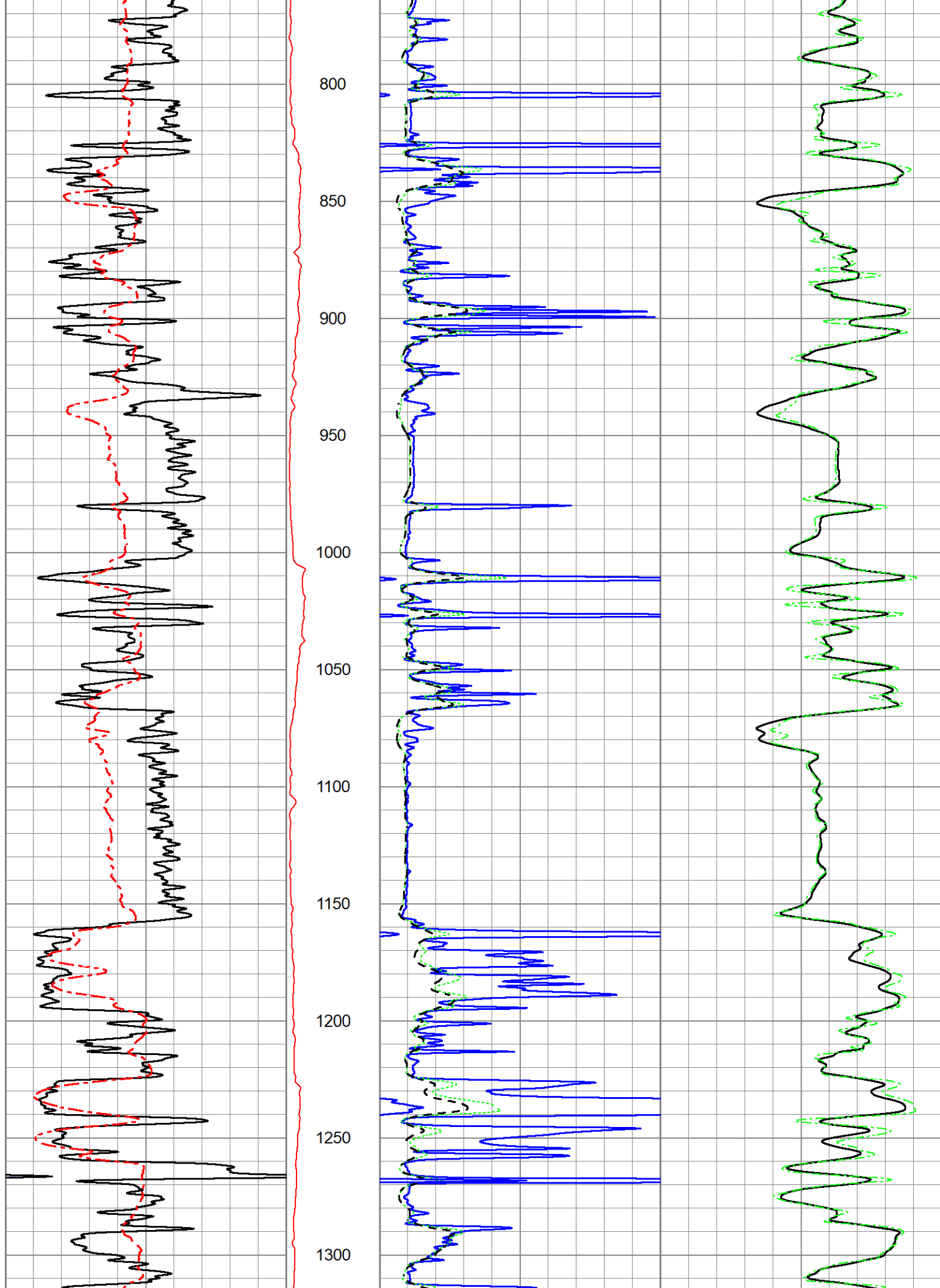


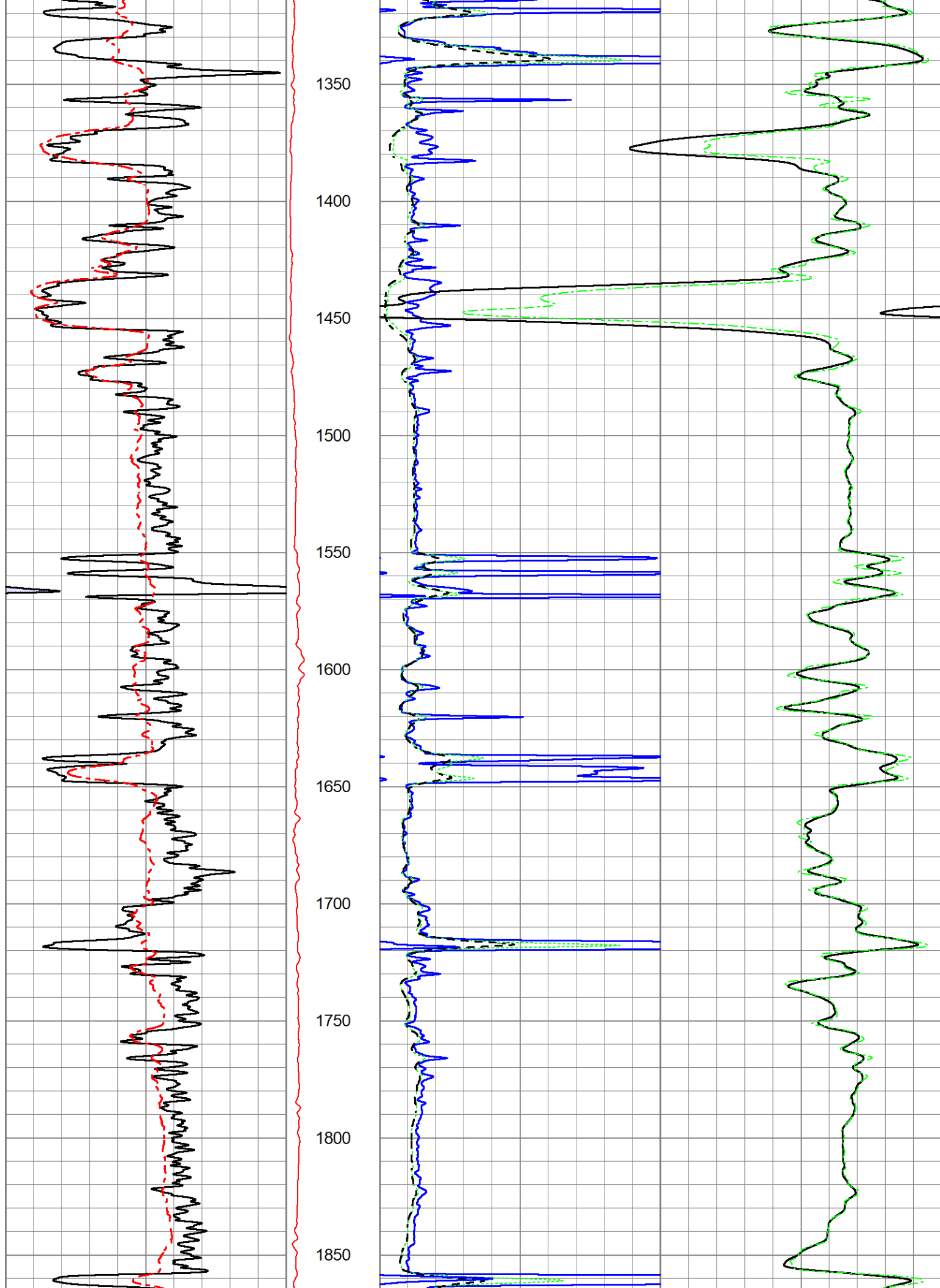
2" DUAL INDUCTION LOG

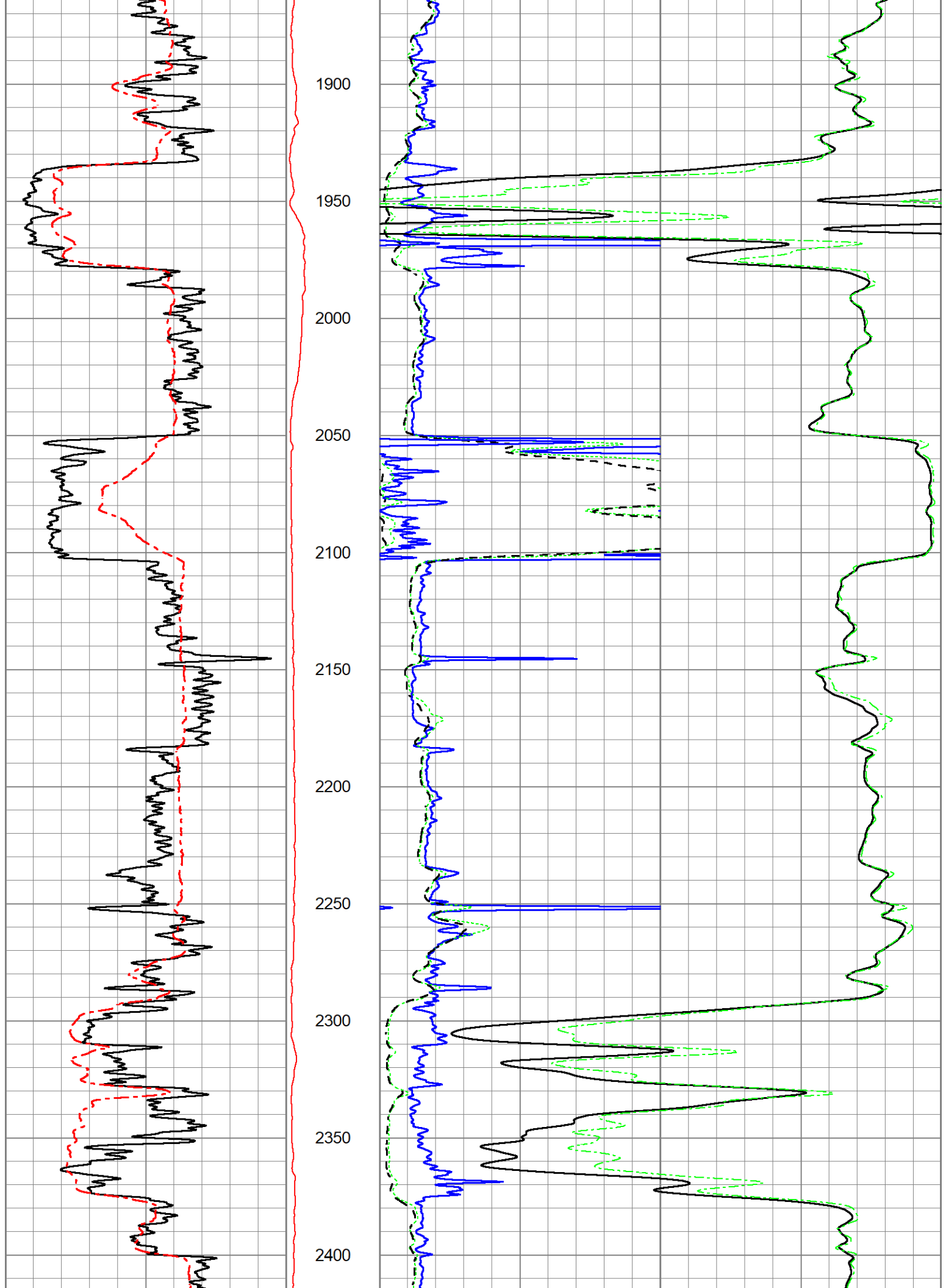
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Dataset Pathname	pass2.7
Presentation Format	mmdil2
Dataset Creation	Wed Apr 17 12:23:10 2024
Charted by	Depth in Feet scaled 1:600

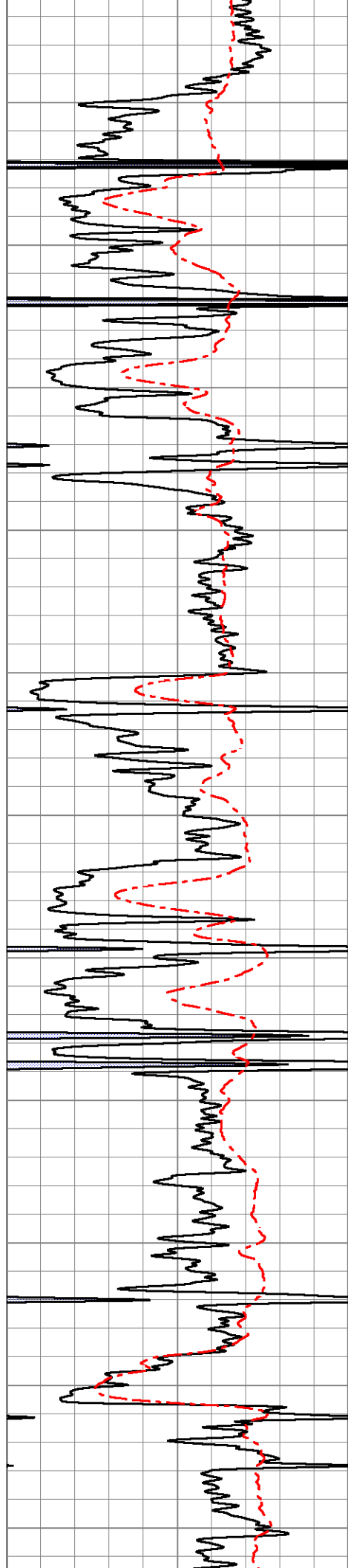
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75	Spontaneous Potential (mV)	225	0	(deg) 10	1000	CILM (mmho/m)	0
					0	RLL3 (Ohm-m)	50
					0	RILM (Ohm-m)	50
					0	RILD (Ohm-m)	50











2450

2500

2550

2600

2650

2700

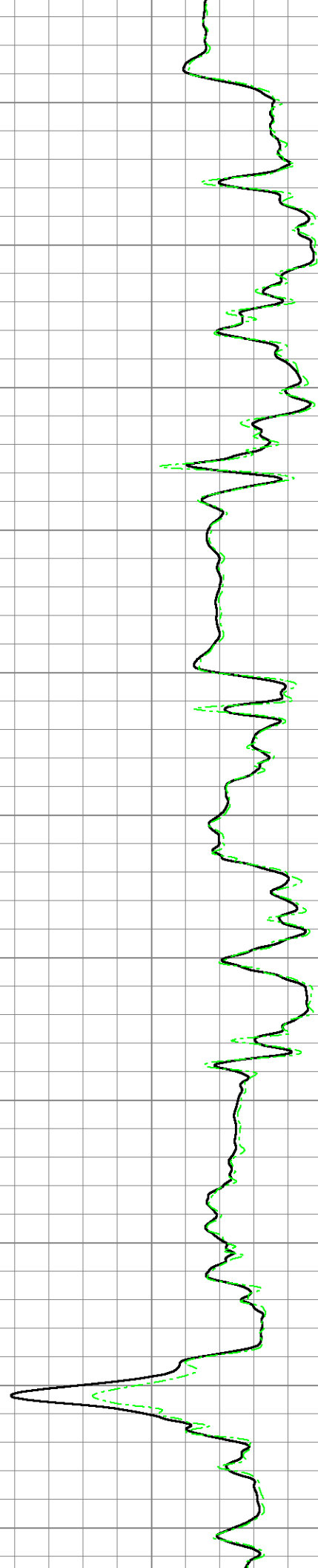
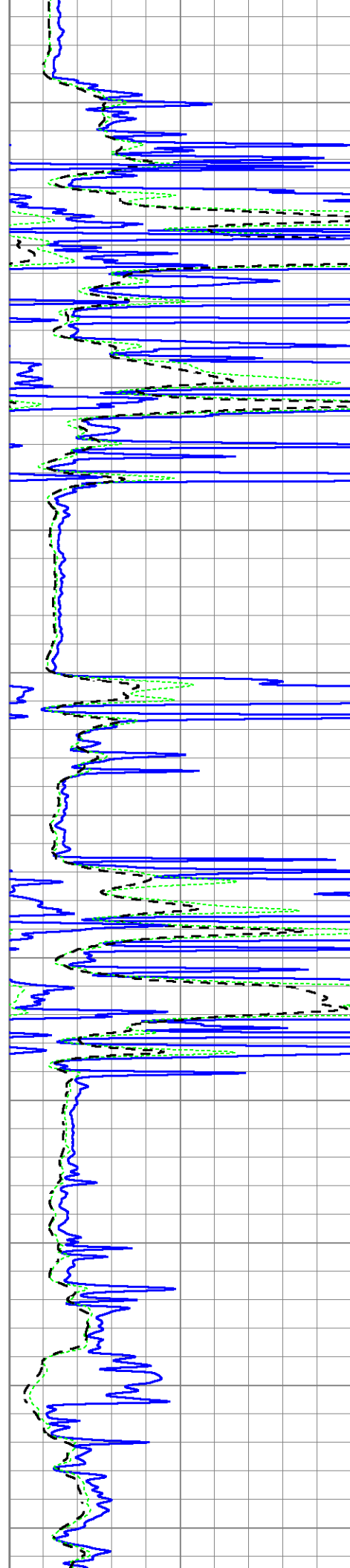
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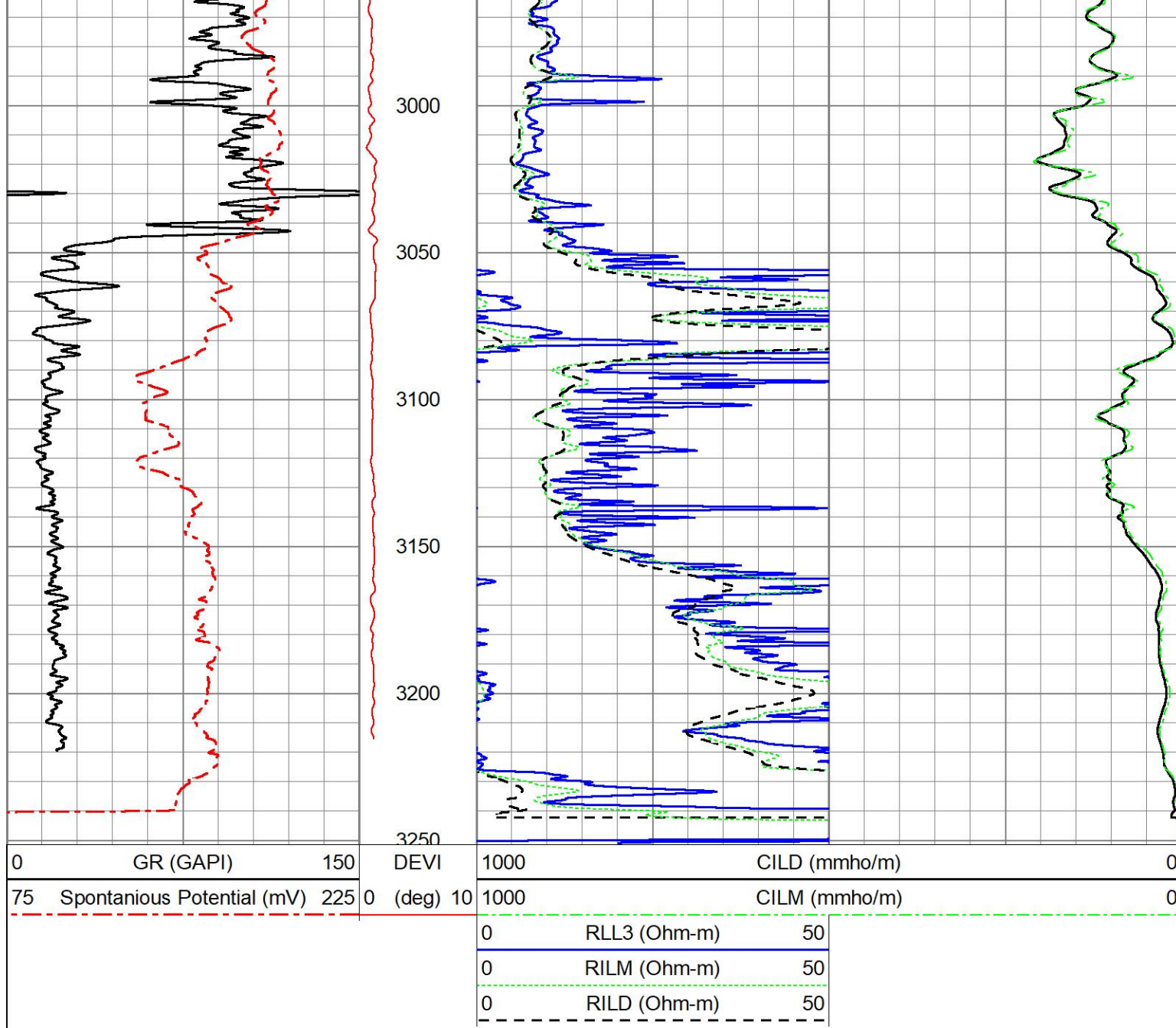
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2850

2900

2950

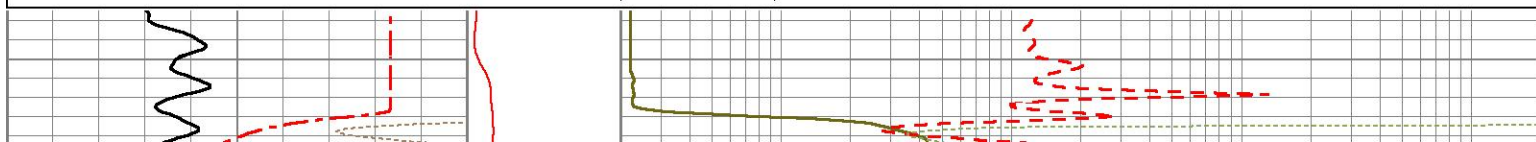


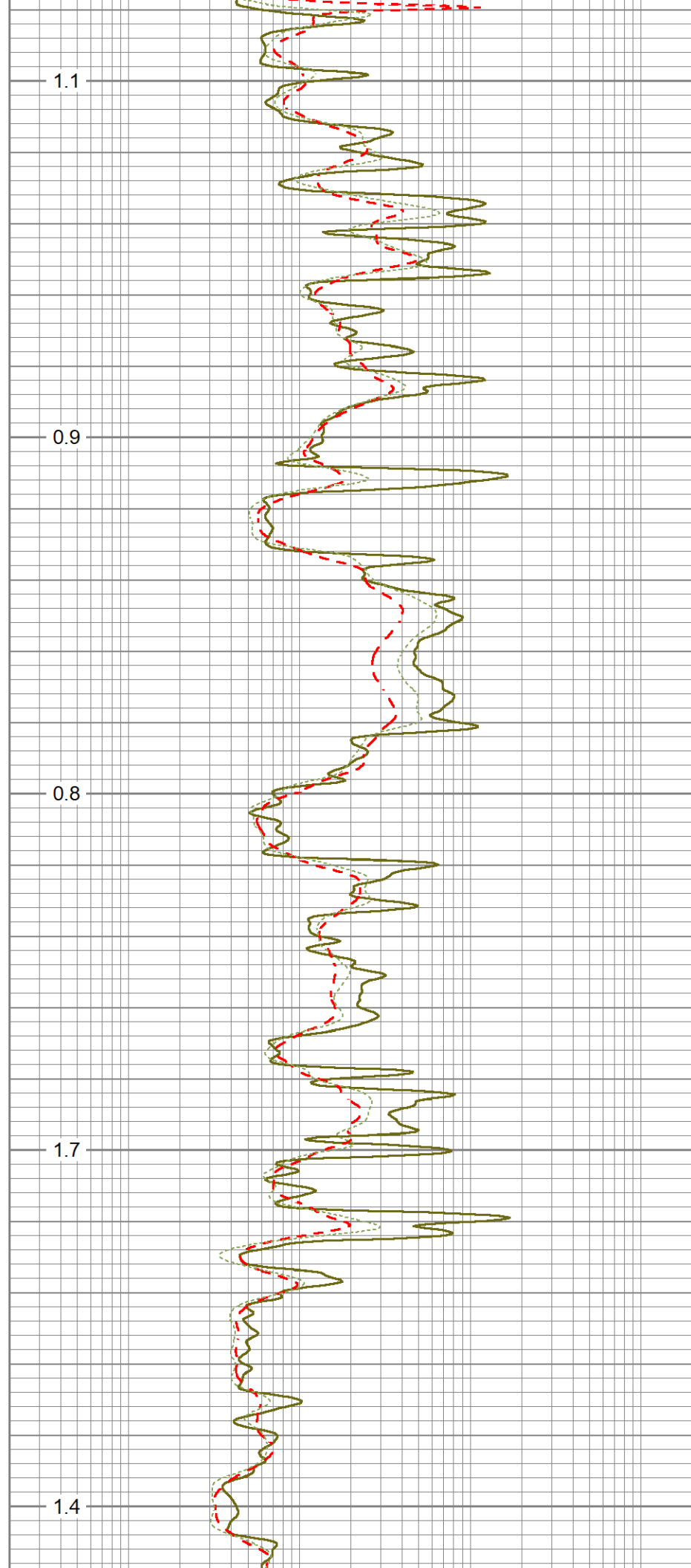
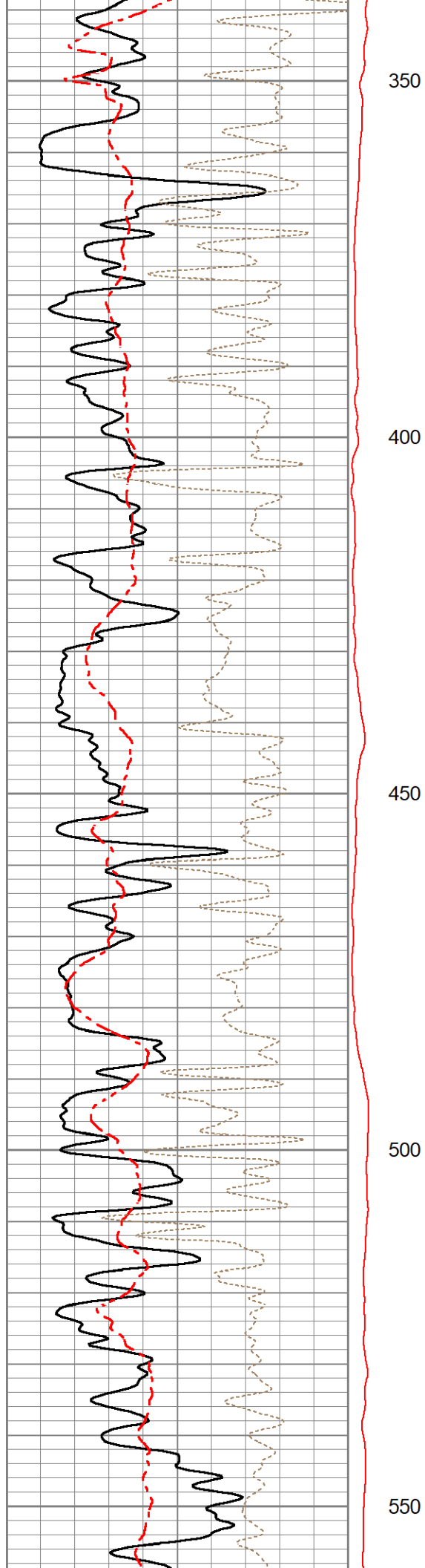


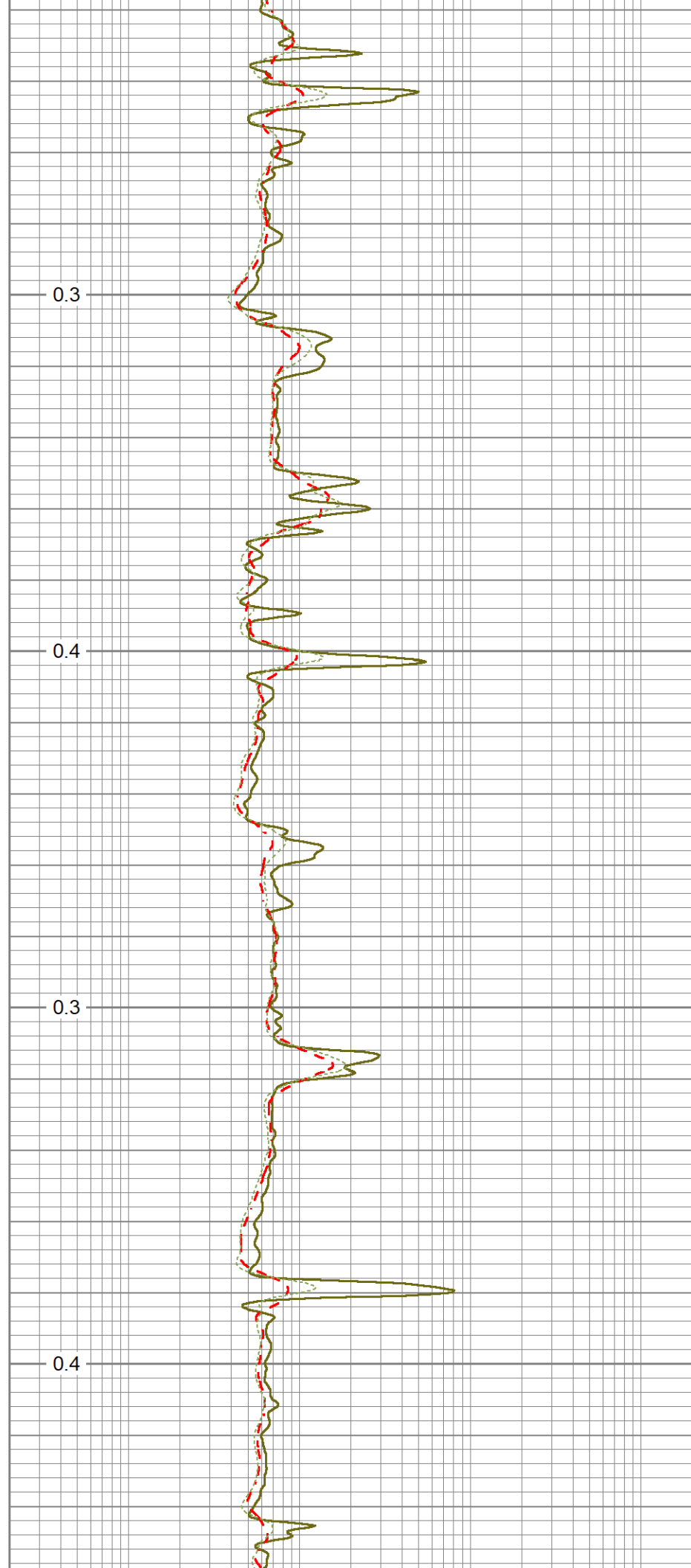
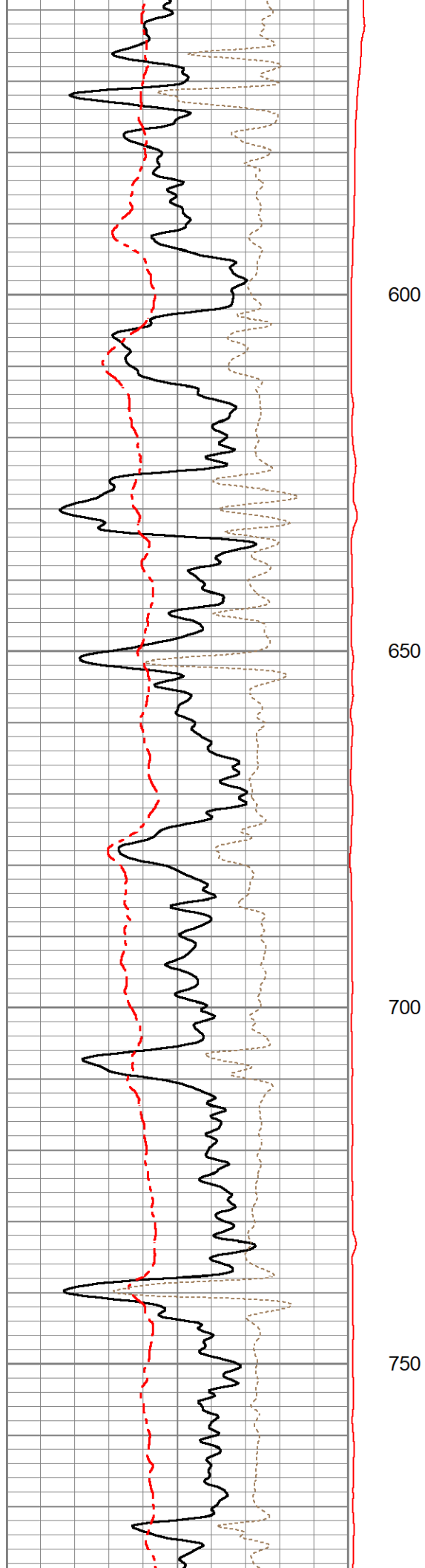
5" DUAL INDUCTION LOG

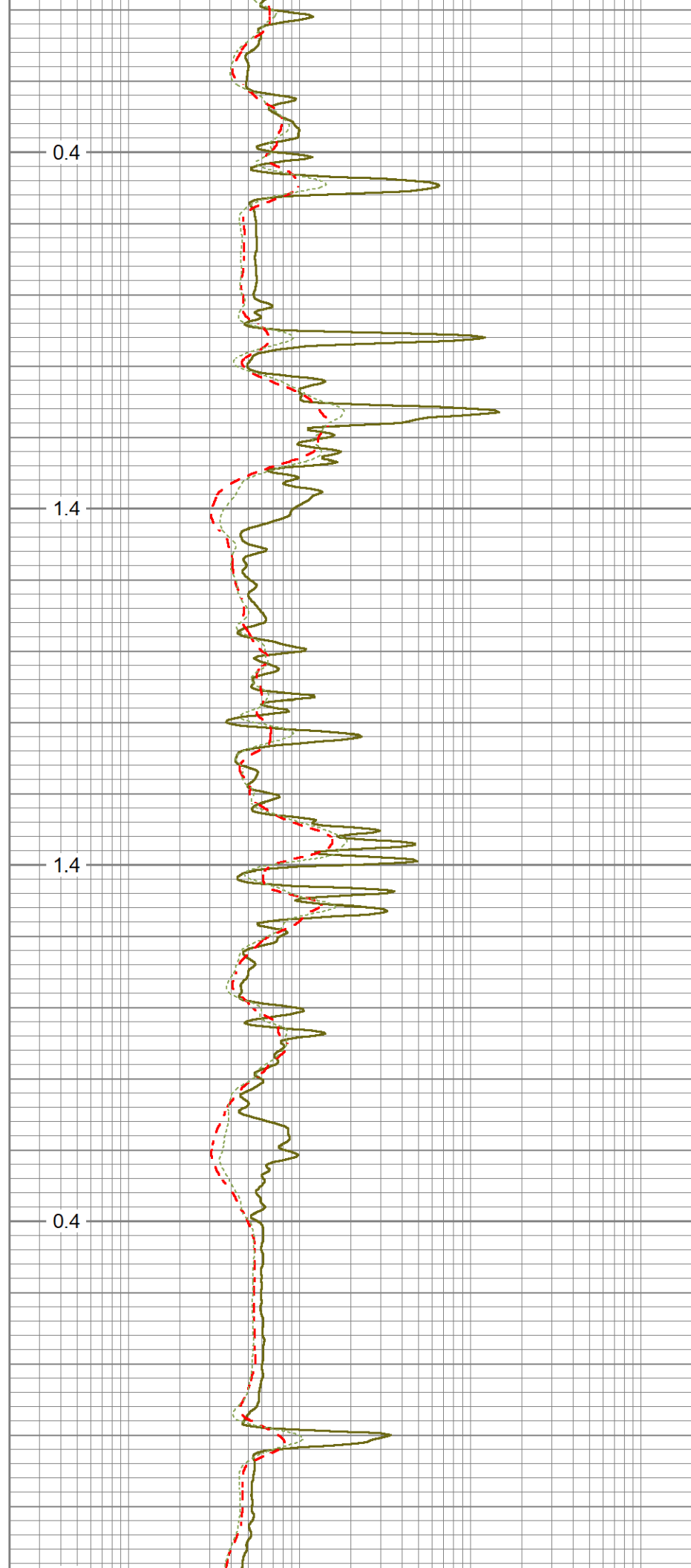
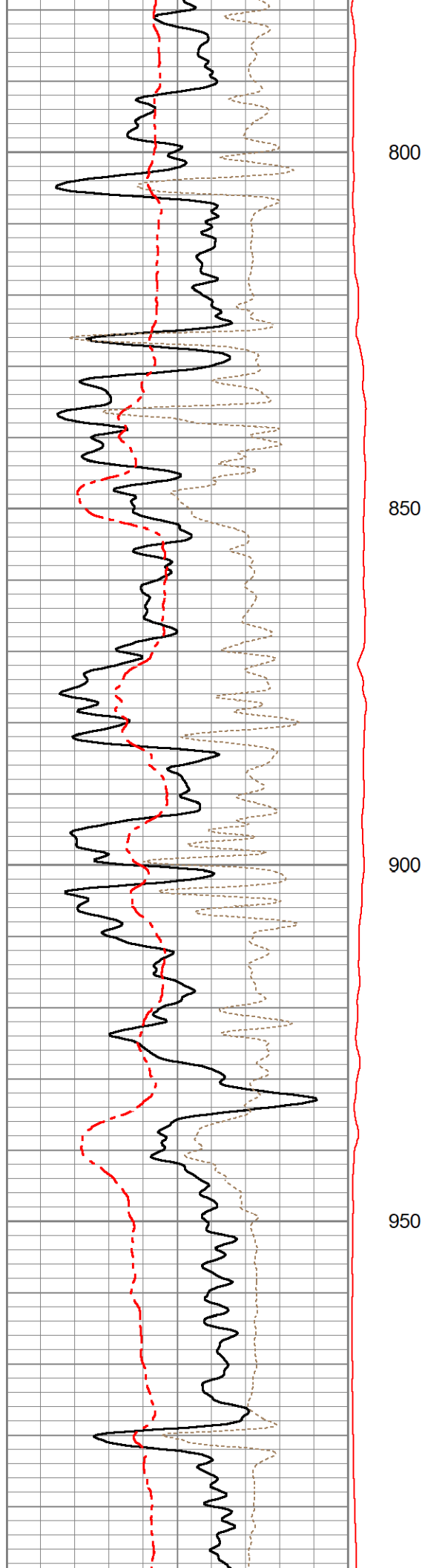
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 Presentation Format mmdil5
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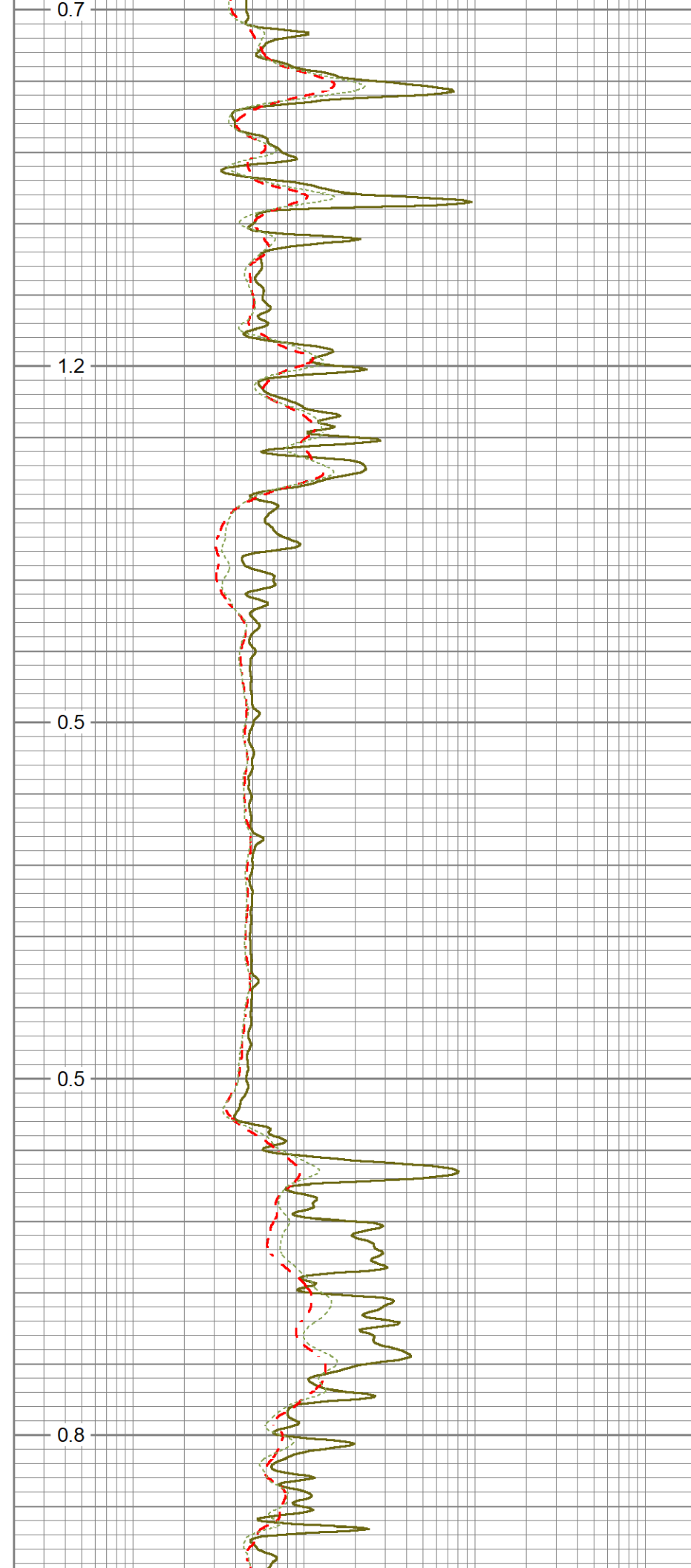
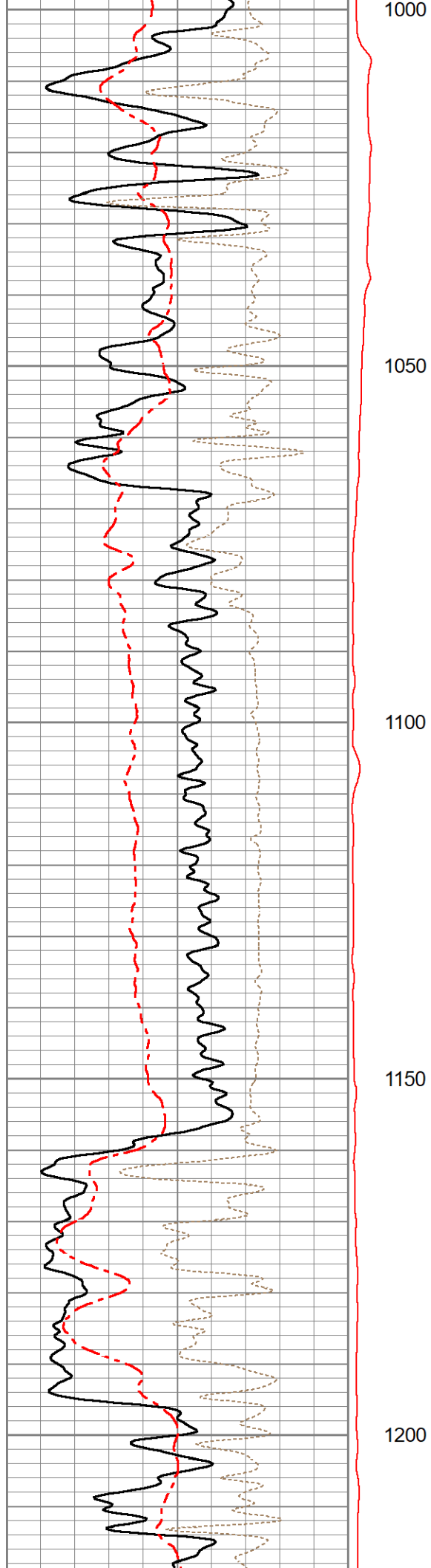
0	Gamma Ray (GAPI)	150	DEVI	0.2	Shallow Resistivity (Ohm-m)	2000
75	Spontaneous Potential (mV)	225	0 (deg)	10	Deep Resistivity (Ohm-m)	2000
-150	Rxo/Rt	50			Medium Resistivity (Ohm-m)	2000
			DEVI (deg)			

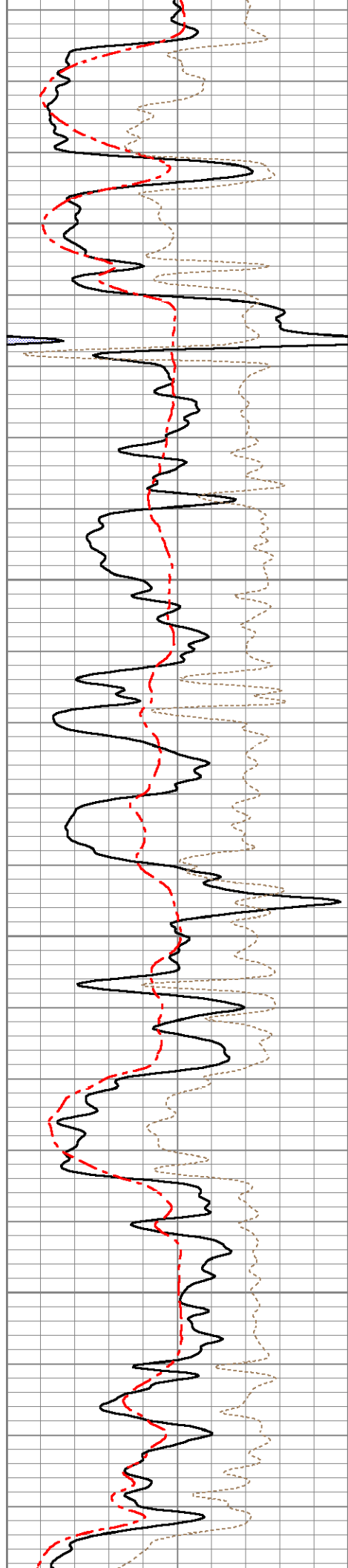












1250

1300

1350

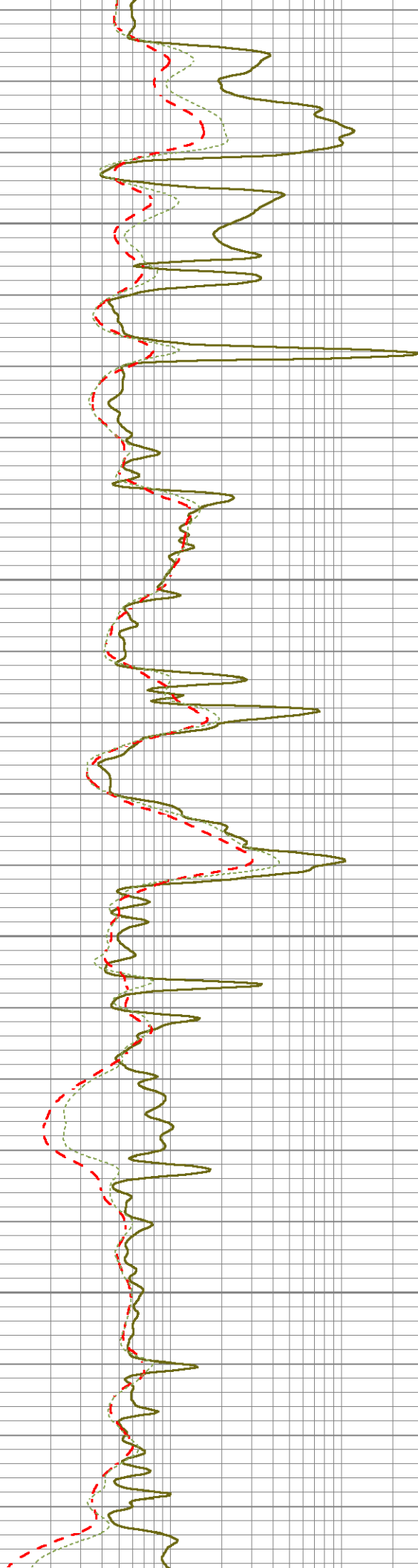
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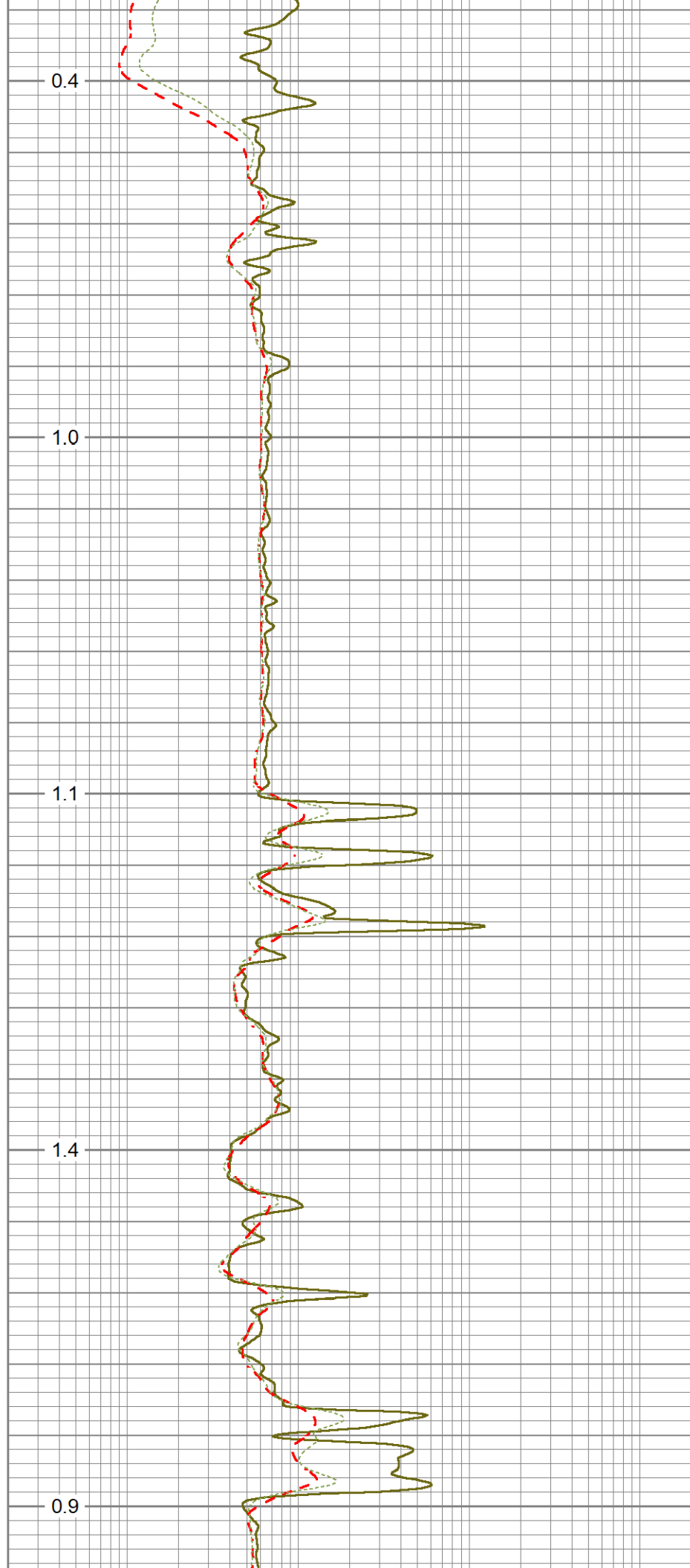
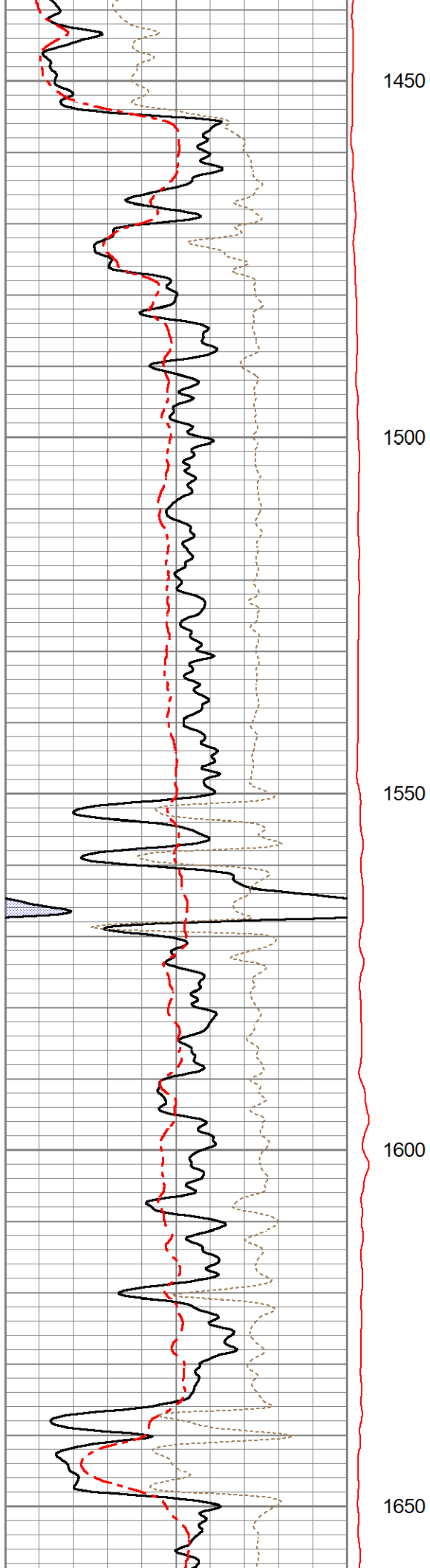
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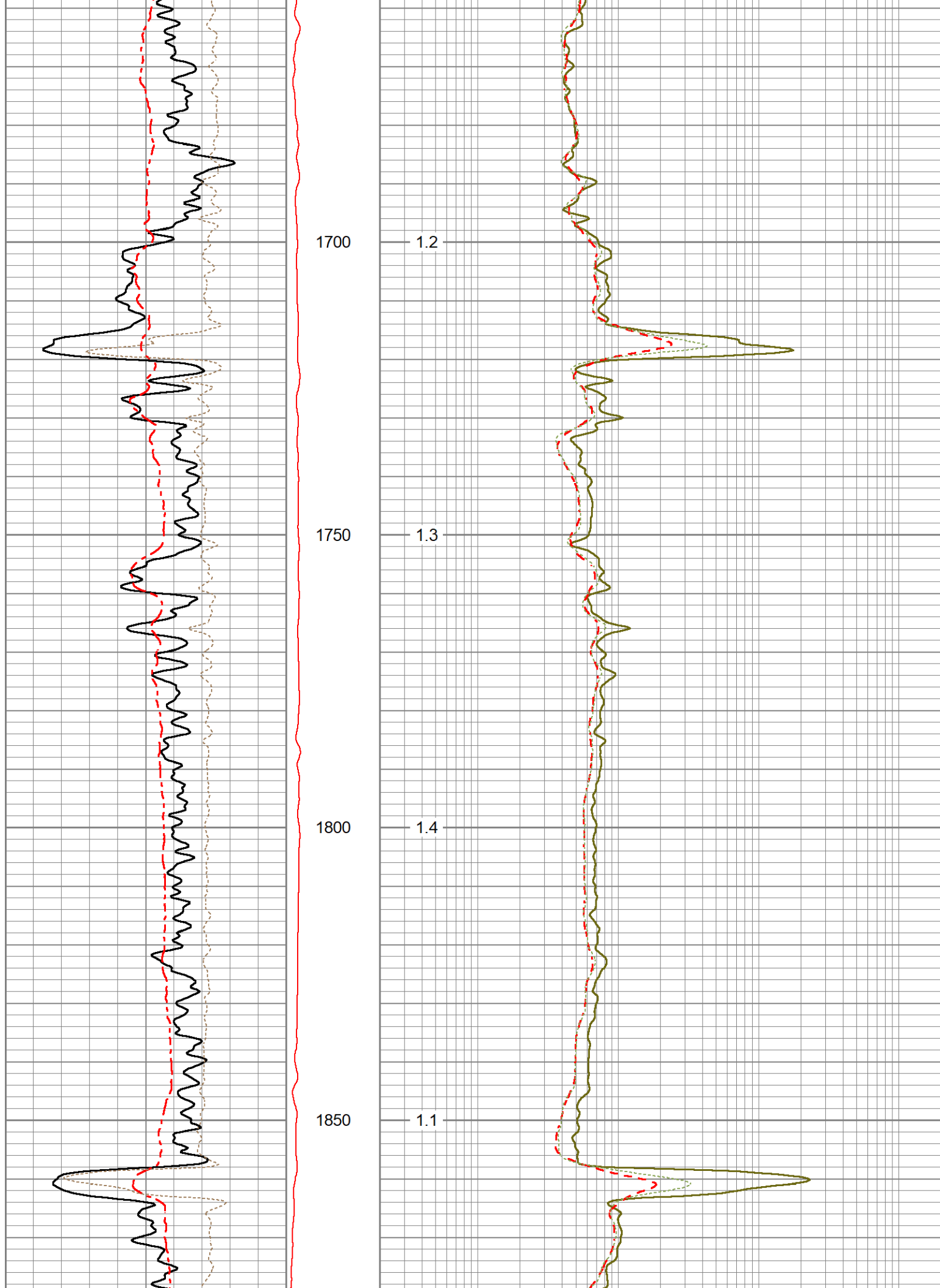
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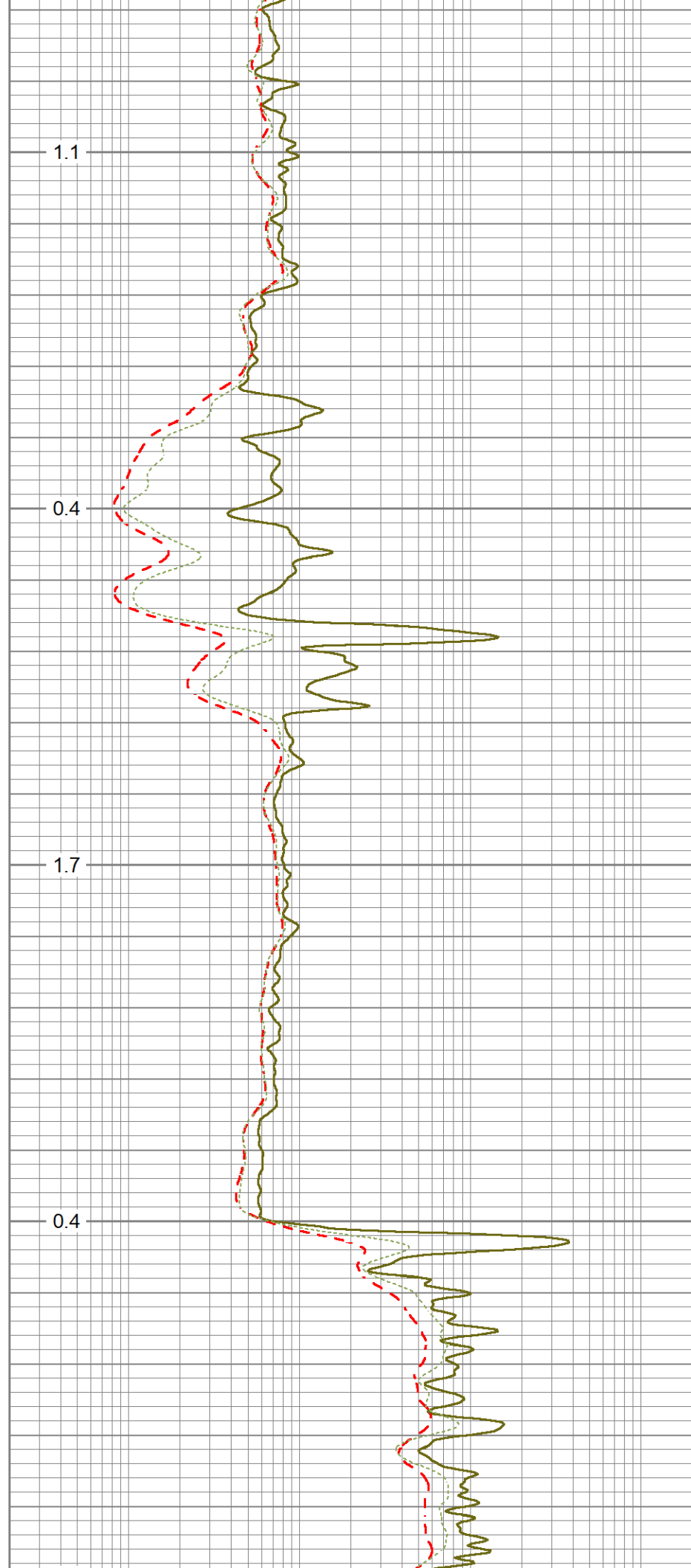
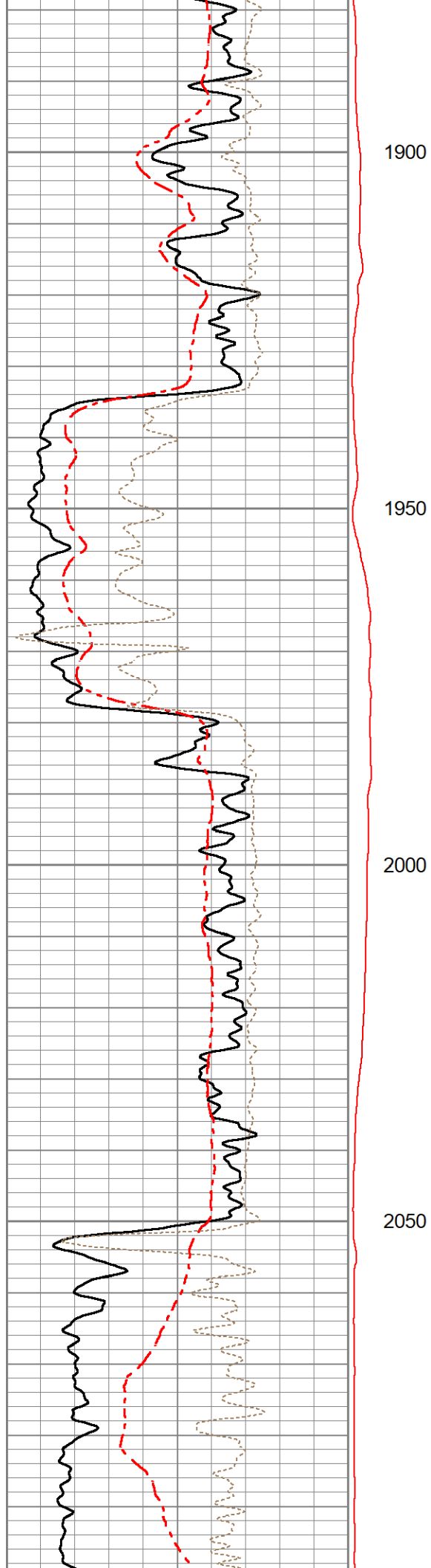
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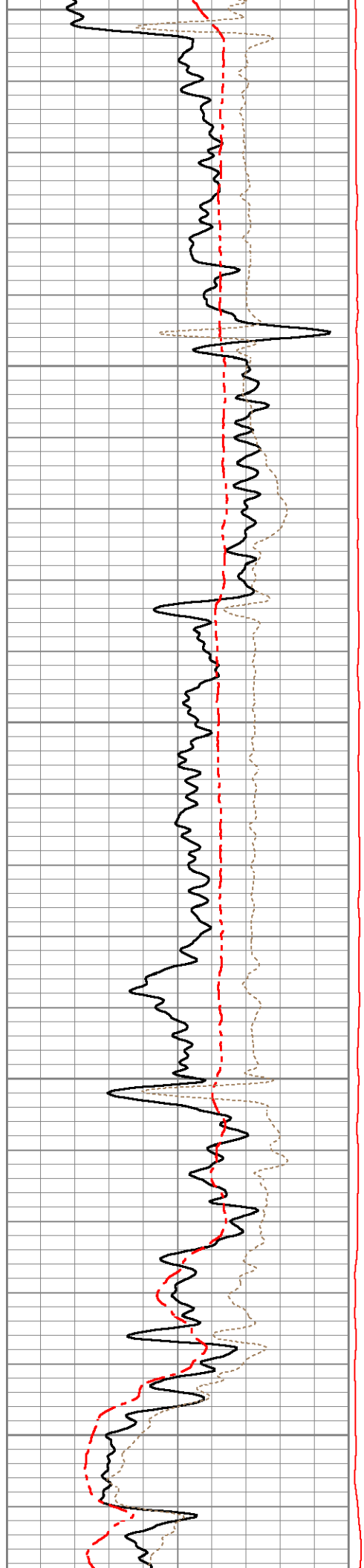
0.4



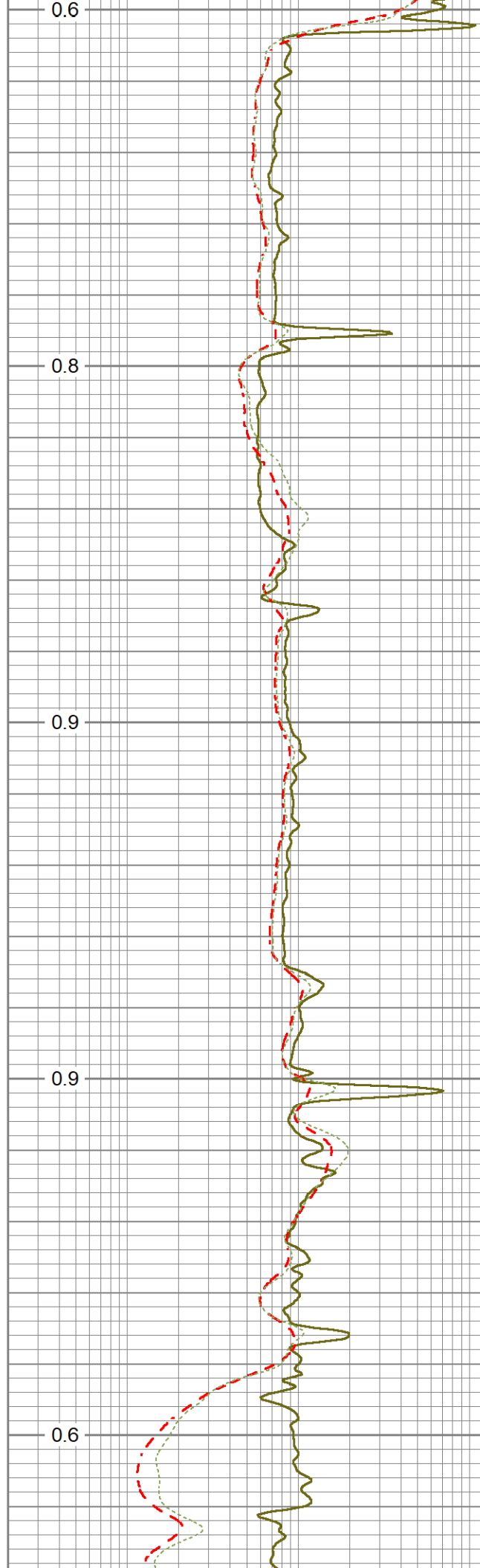




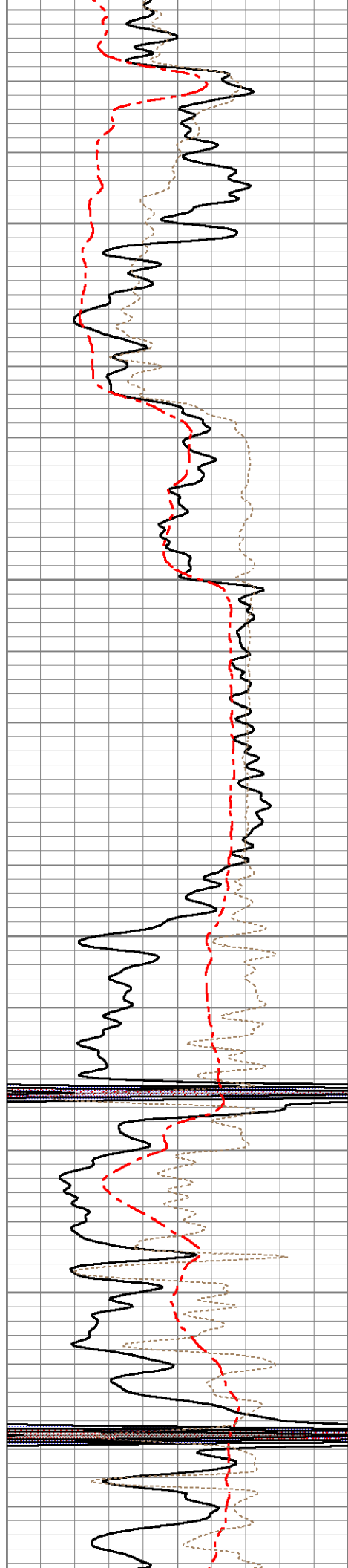




2100
2150
2200
2250
2300



0.6
0.8
0.9
0.6



2350

2400

2450

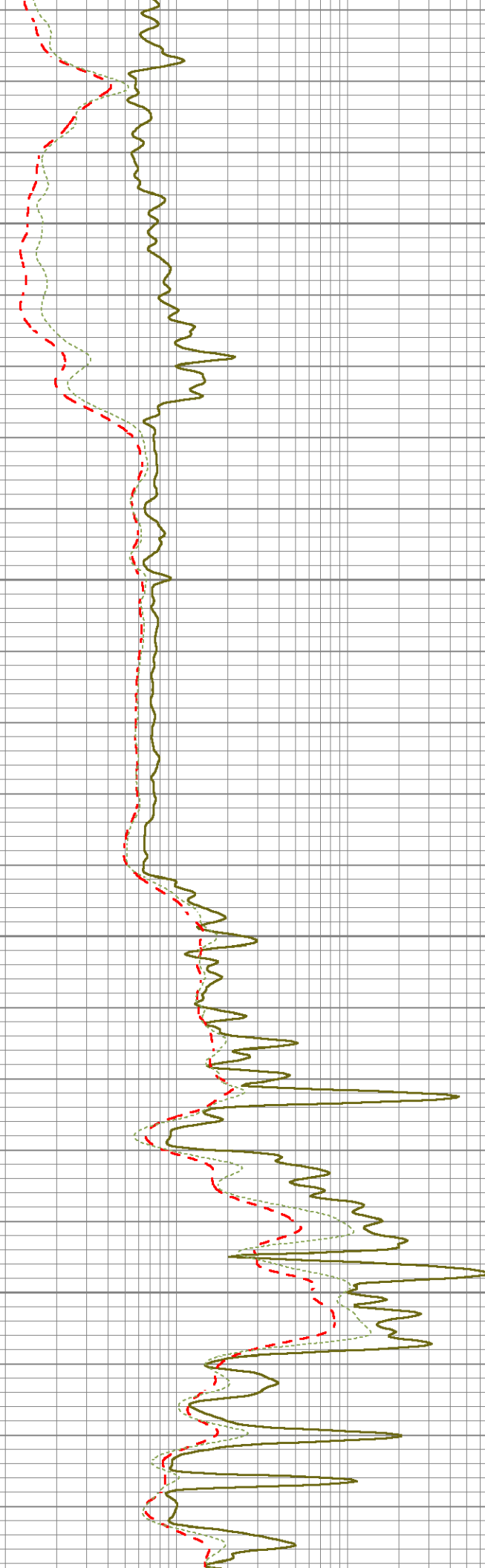
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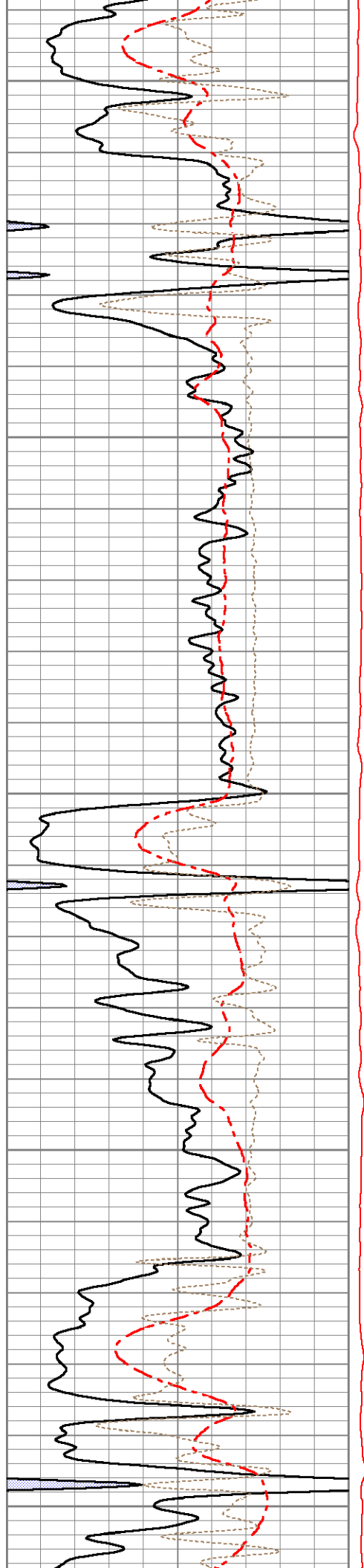
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0.8

0.6

0.7





2550

2600

2650

2700

2750

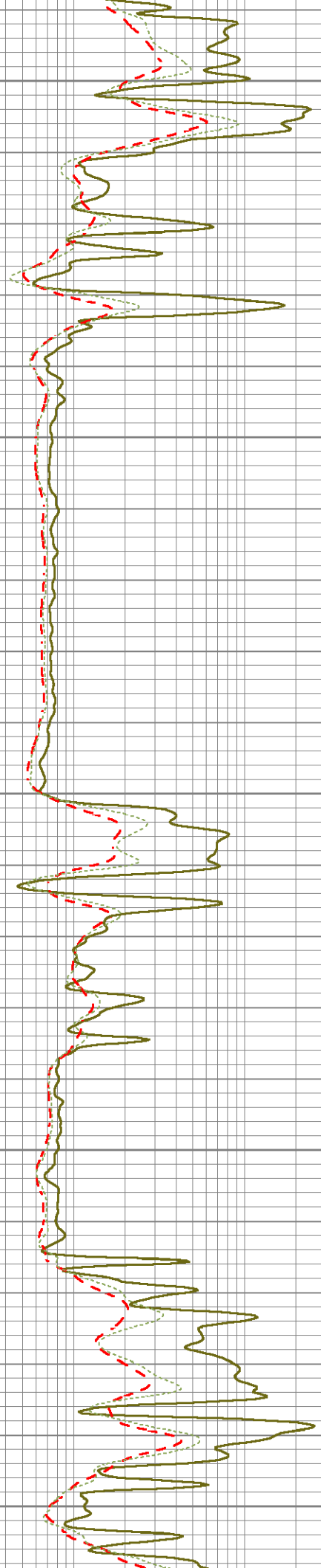
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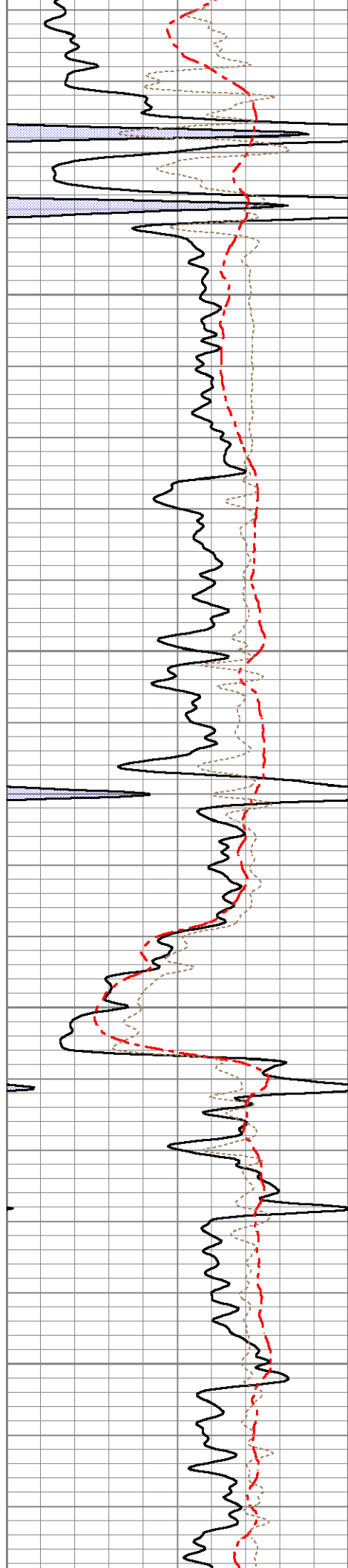
1.0

1.0

1.1

1.2



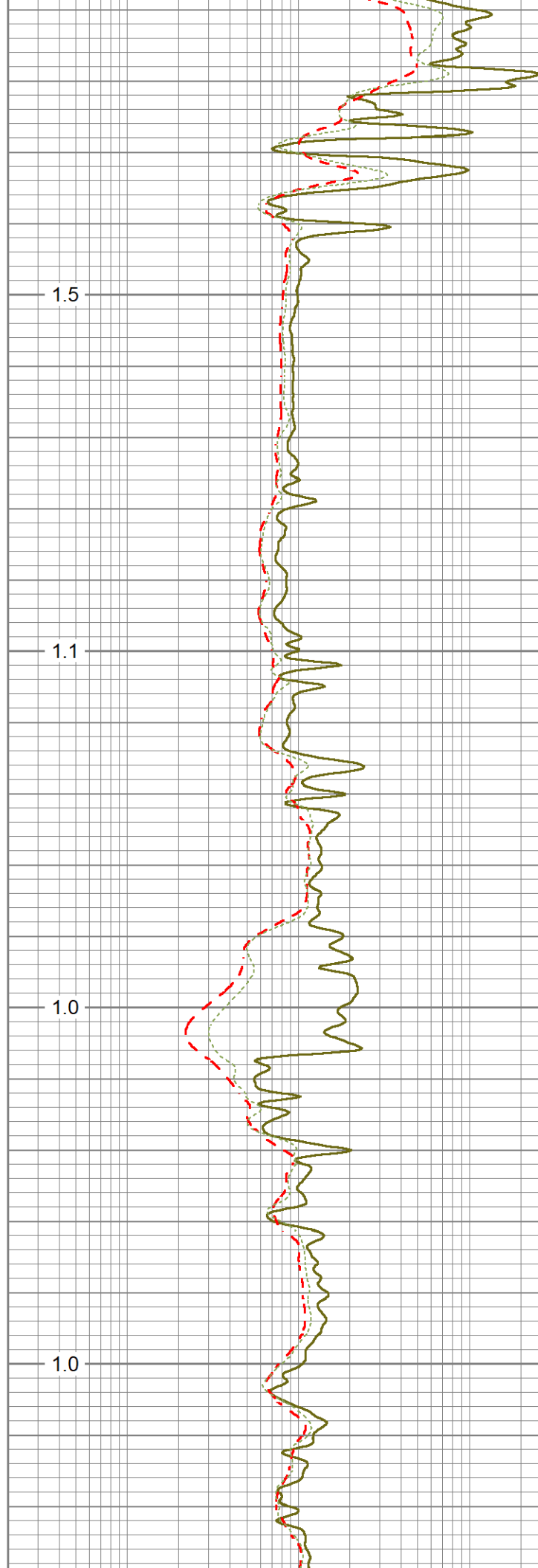


2800

2850

2900

2950

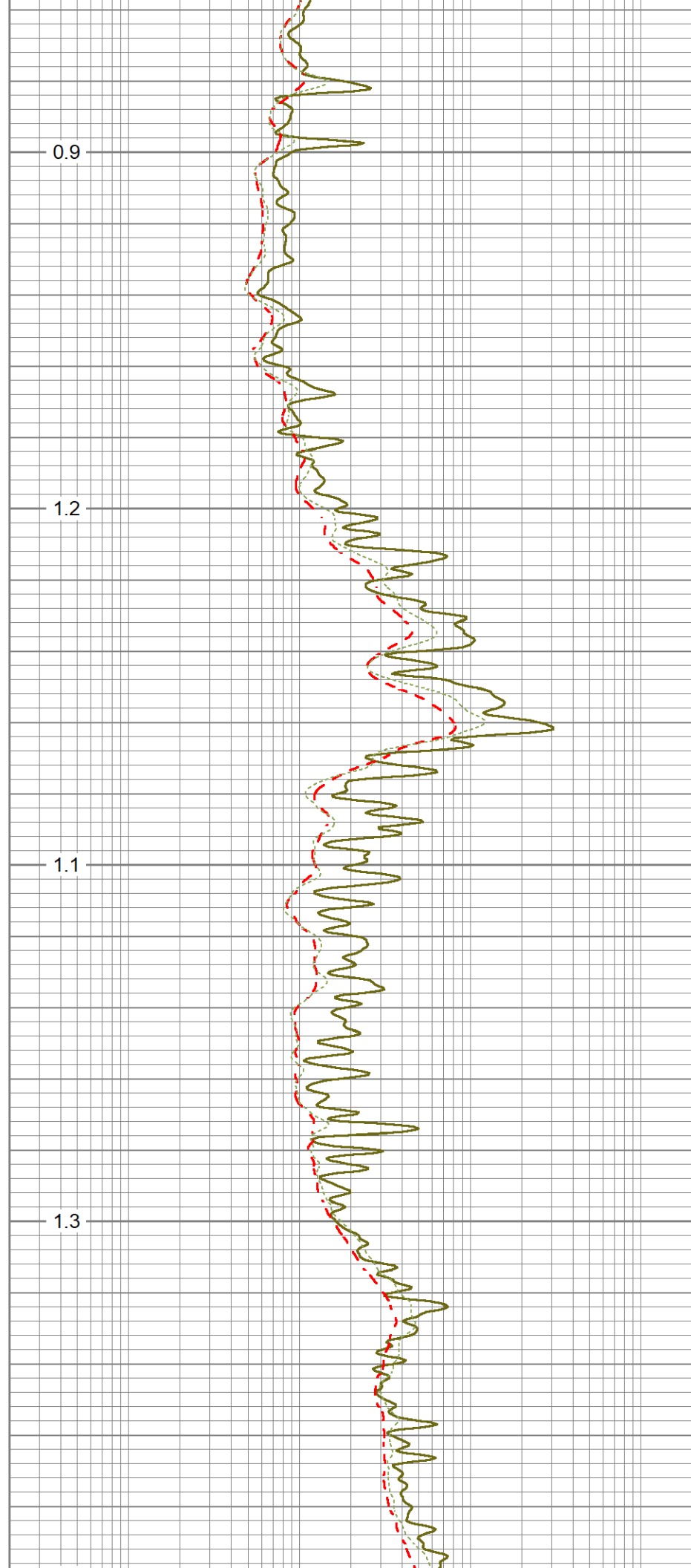
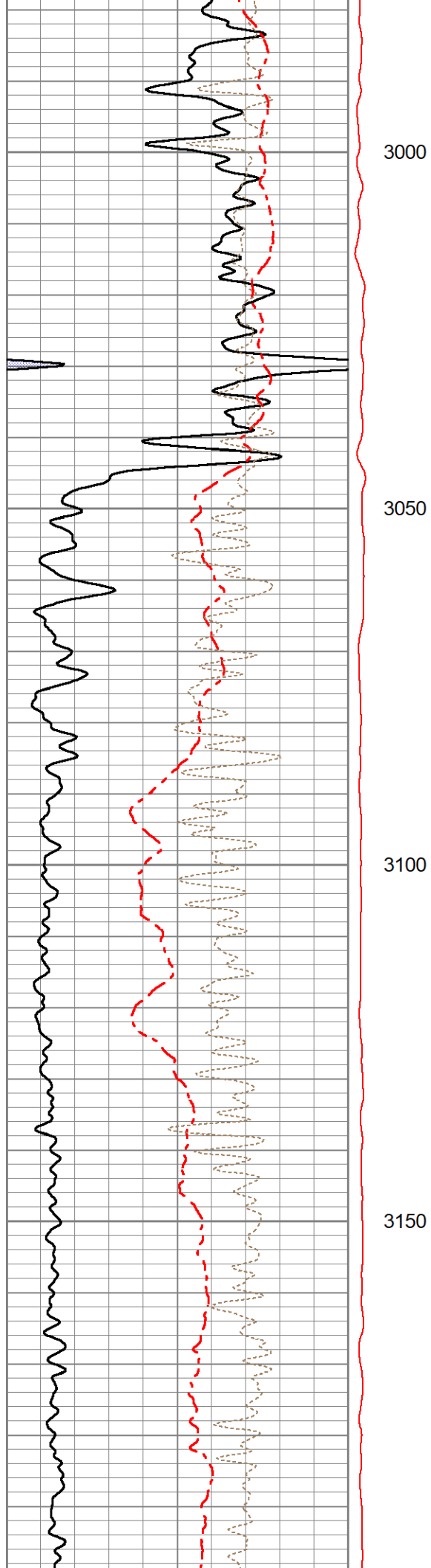


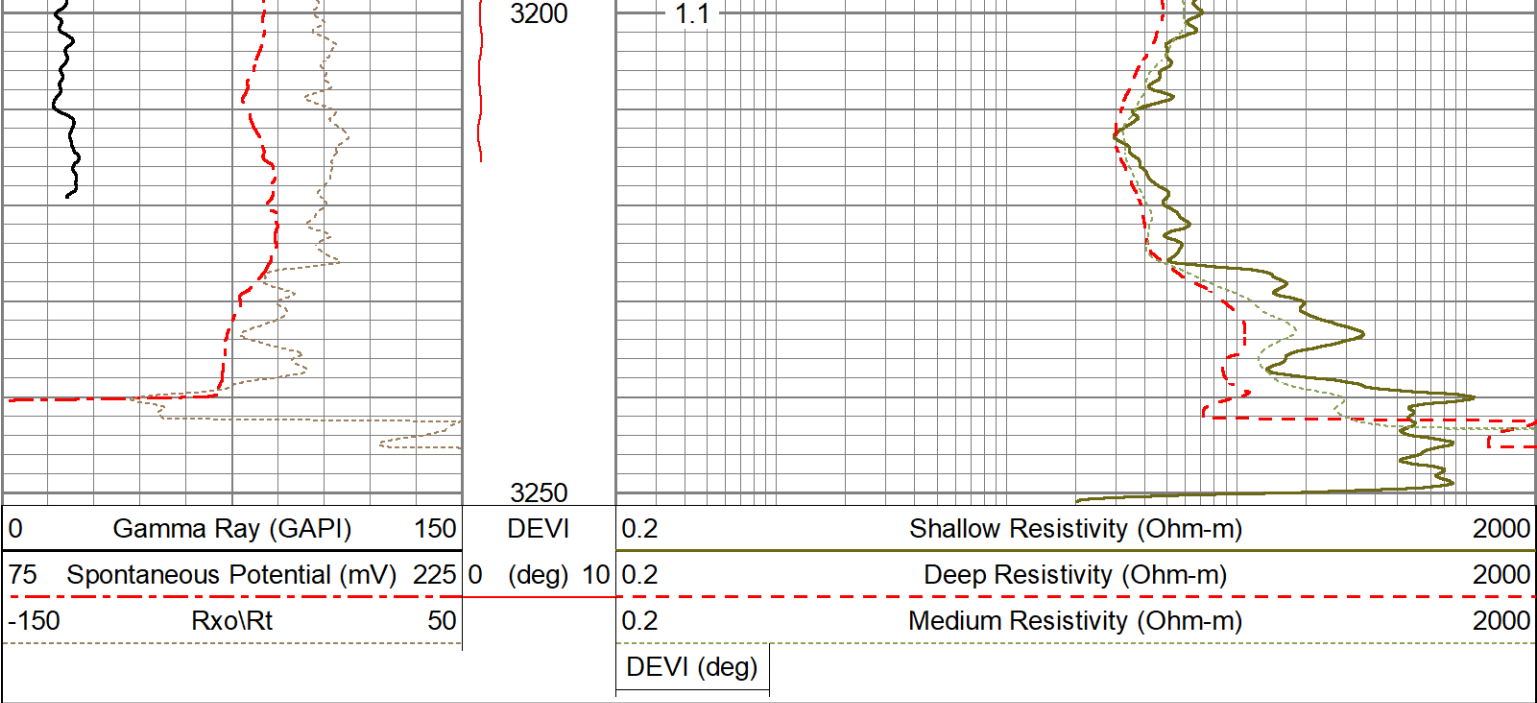
1.5

1.1

1.0

1.0

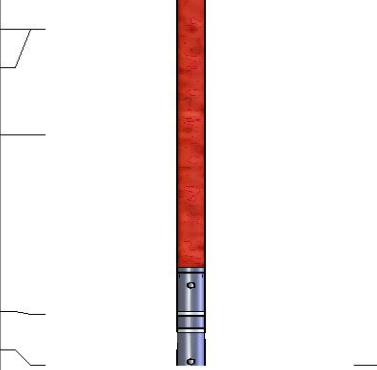




Calibration Report									
Database File	ow2-9336 val energy.db								
Dataset Pathname	pass2								
Dataset Creation	Wed Apr 17 11:33:47 2024								
Dual Induction Calibration Report									
Serial-Model:					BlackTool-G				
Surface Cal Performed:					Mon Mar 4 21:31:44 2024				
Downhole Cal Performed:					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	16.000	360.000	mmho/m	541.844	12.250	
Medium	0.010	0.728	V	-10.500	410.000	mmho/m	585.053	-16.167	
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		20.000	Ohm-m			
		-11.000	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	2.000	Ohm-m					
0.000	mmho-m	1.000	mmho-m					
Microlog Calibration Report								
Serial-Model: Performed:		110861-Osage Tue Aug 8 10:35:08 2023						
Readings		References		Results				
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0026	0.0887	V	0.0000	10.0000	Ohm-m	109.5330	0.2856
Inverse	-0.0062	0.1125	V	0.0000	10.0000	Ohm-m	84.1931	0.5259
Caliper	0.4507	3.4359	V	5.7500	11.2500	in	1.8424	4.9196
Gamma Ray Calibration Report								
Serial Number: Tool Model: Performed:			Refurb01 OSAGE_01 Thu Nov 30 13:51:24 2023					
Calibrator Value:			150.0 GAPI					
Background Reading:			125.0 cps					
Calibrator Reading:			875.0 cps					
Sensitivity:			0.2000 GAPI/cps					
Inclinometer Calibration Report								
Performed:		Thu Nov 30 13:51:34 2023						
	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	

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		MICRO_DIG-0sage (110861) Digital Microlog	7.21	5.13	137.00
FRAMES	28.54					
SSTAT	28.54					
PSTAT	28.54					
ASTAT	28.54					
MI	23.00					
MN	23.00					
MCAL	22.00					
ASTAT2	21.33					

SP	10.92		DIL-G (BlackTool) Gearhart	21.33	4.00	290.00
CILD	10.92					
CILM	7.50					
RLL3	1.65					
TR_Mon	0.00					
Dataset: ow2-9336 val energy.db: field/well/run1/pass2 Total length: 32.23 ft Total weight: 480.00 lb O.D.: 5.13 in						

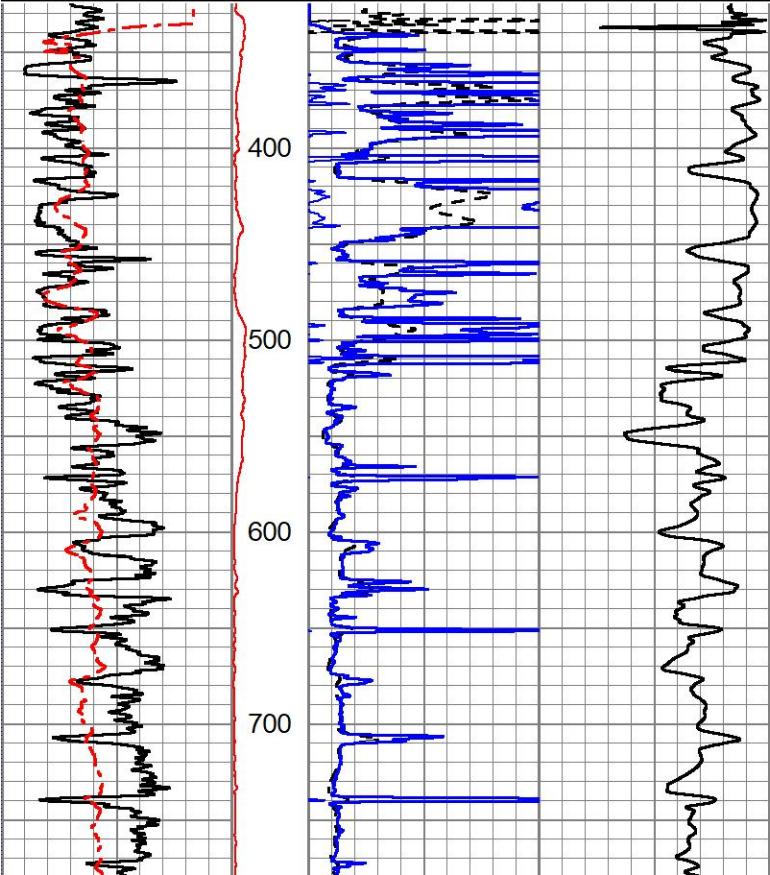


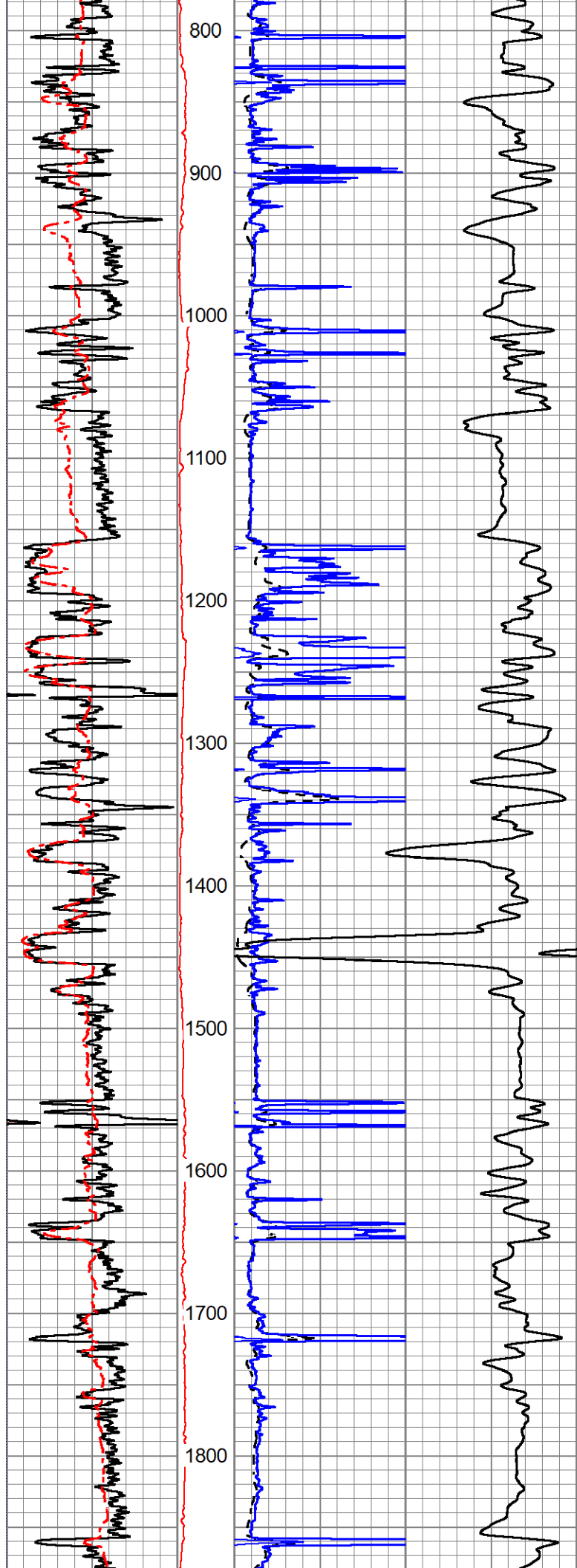
1" INDUCTION LOG

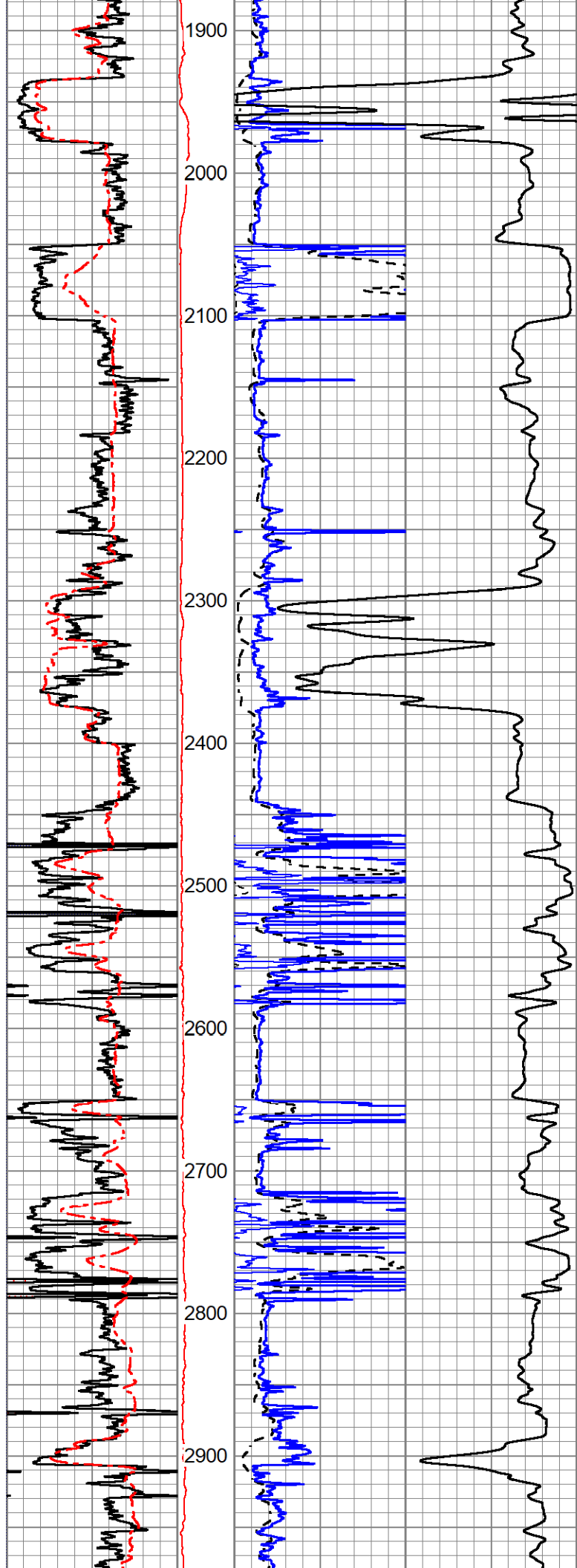
Database File
 Dataset Pathname
 Presentation Format
 Dataset Creation
 Charted by

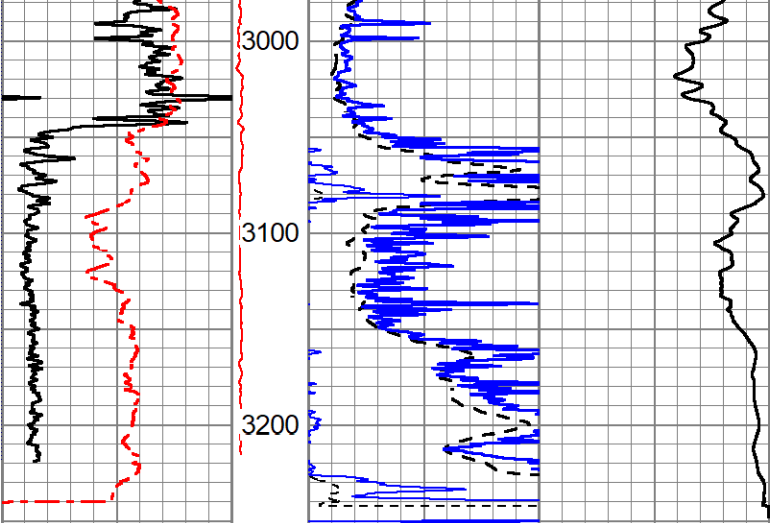
ow2-9336 val energy.db
 pass2.6
 mmdil1
 Wed Apr 17 12:22:56 2024
 Depth in Feet scaled 1:1200

0	GR (GAPI)150	DEVI	1000	CILD (mmho/m)	0
75	SP (mV) 225	(deg)			
		0 10	RILD		
			0 (Ohm-m) 50		
			RLL3		
			0 (Ohm-m) 50		









0	GR (GAPI)	150	DEVI	1000	CILD (mmho/m)	0
75	SP (mV)	225	(deg)	RILD		
			0 10	0 (Ohm-m)	50	
				RLL3		
				0 (Ohm-m)	50	