

Company	Charles N. Griffin	Company	Charles N. Griffin
Well	#3 Randels B	Well	#3 Randels B
Field	Toni-Mike	Field	Toni-Mike
County	Barber	County	Barber
State	Kansas	State	Kansas
Location:	1150' FNL & 1650' FWL	API # : 15 007 23836	Other Services
SEC 34 TWP 32S RGE 12W		CDNL	
Permanent Datum	Ground Level	Elevation	1545'
Log Measured From	KB 8' AGL		
Drilling Measured From	KB		
Elevation	K.B. 1553'		
	D.F. 1552'		
	G.L. 1545'		
Date	2-22-12		
Run Number	One		
Depth Driller	4890'		
Depth Logger	4888'		
Bottom Logged Interval	4886'		
Top Log Interval	230'		
Casing Driller	265'		
Casing Logger	265'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/44		
pH / Fluid Loss	10.0/10.8		
Source of Sample	Pit		
Rm @ Meas. Temp	.4@77degf		
Rmf @ Meas. Temp	.32@77degf		
Rmc @ Meas. Temp	.64@82degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.28@116degf		
Time Circulation Stopped	2:00 p.m.		
Time Logger on Bottom	5:30 p.m.		
Maximum Recorded Temperature	116 degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	L. Smith		
Witnessed By	Mr. Bruce Reed	Mr. JR Griffin	

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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

South of Medicine Lodge on 281 2.5 mi. ,
W on Pleasant Valley Rd. Stay on main rd.,
when rd. curves S go across 2 cattle guards and stay on lease rd. to top of hill and turn left @ 3rd
tank battery, 1st location.

Thanks for using The Perforators LLC Hays, KS. (785-621-4604)

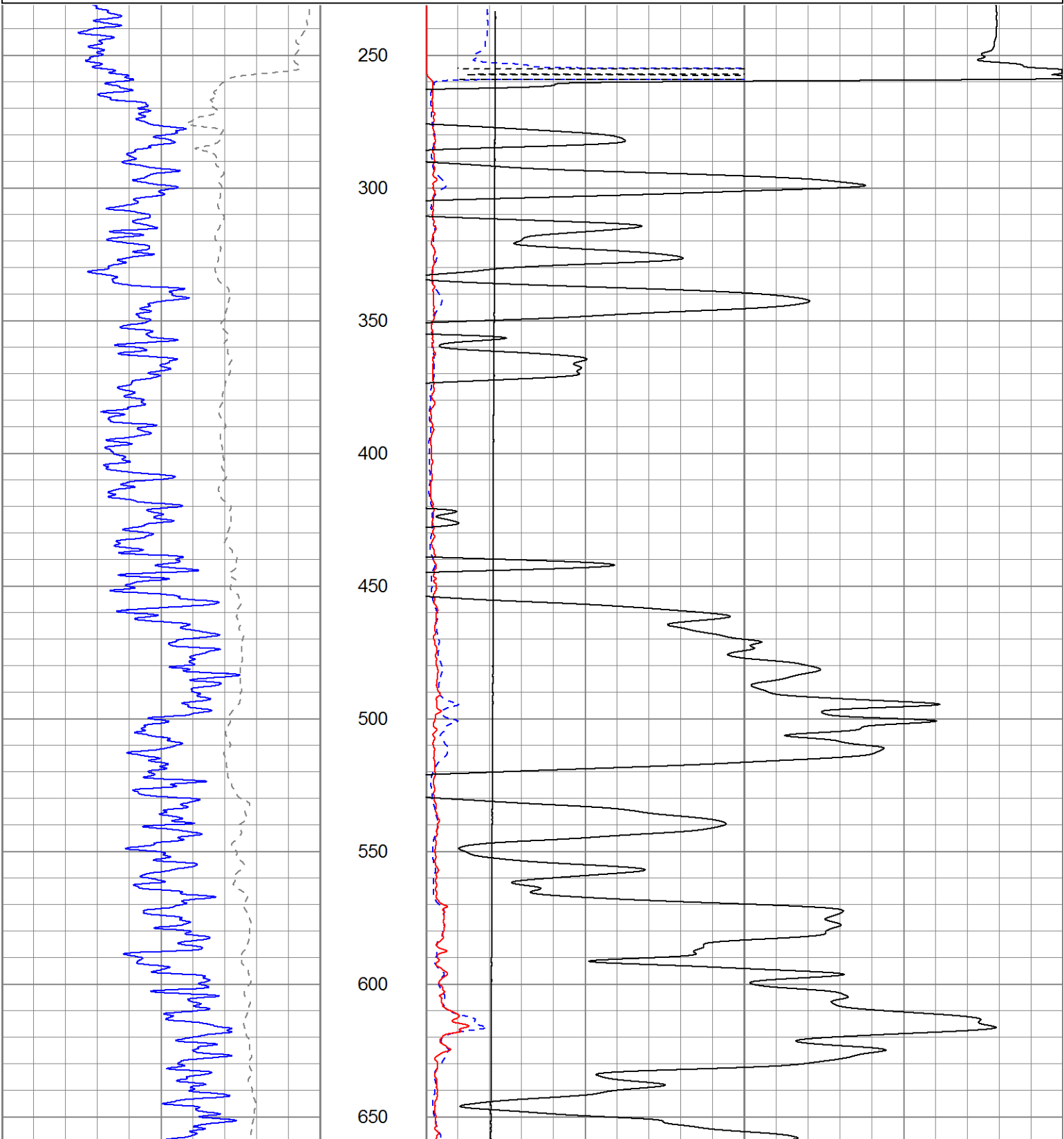
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Dataset Pathname: pass2
Presentation Format: kdrilln2
Dataset Creation: Wed Feb 22 18:48:39 2012 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

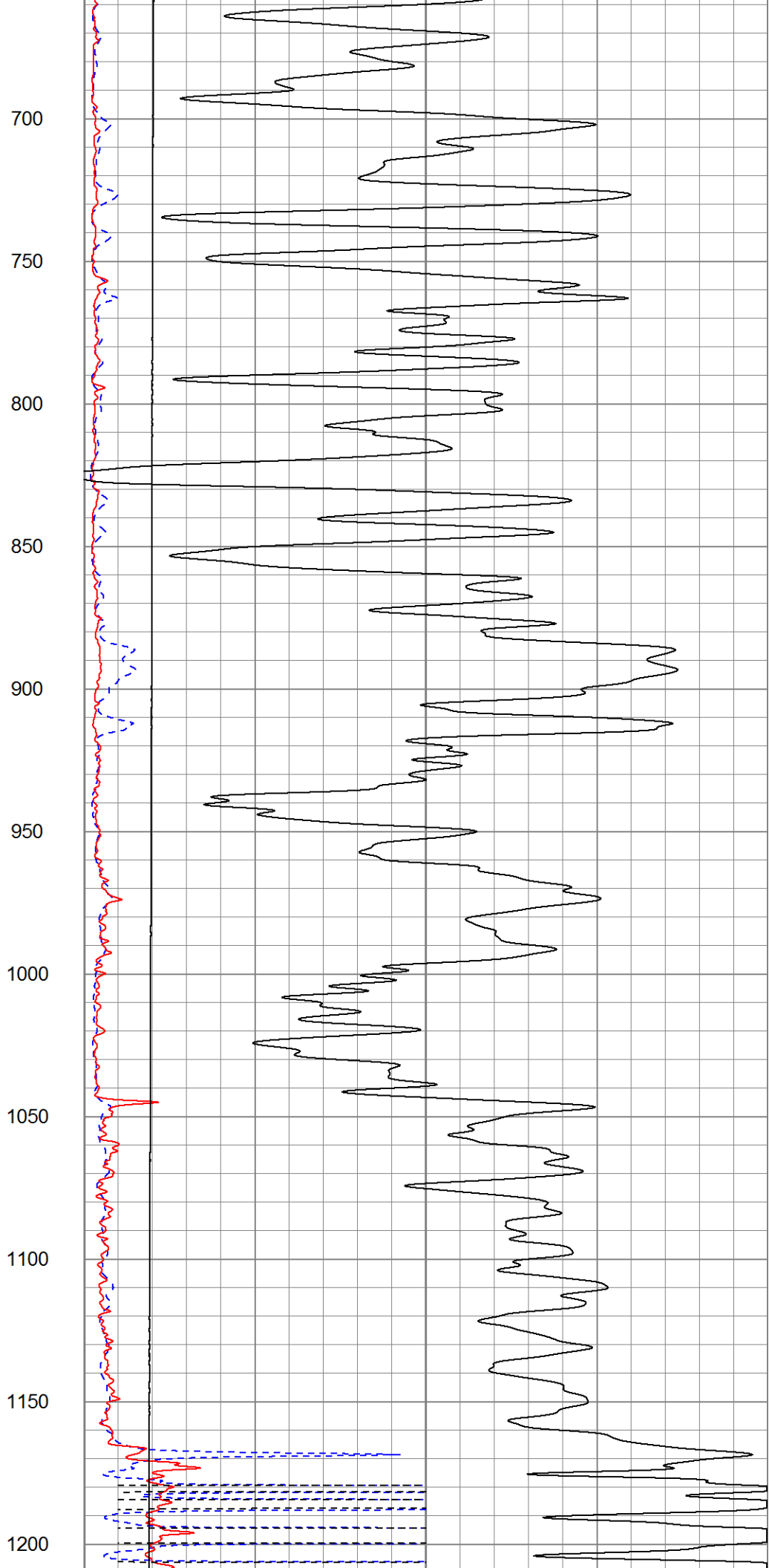
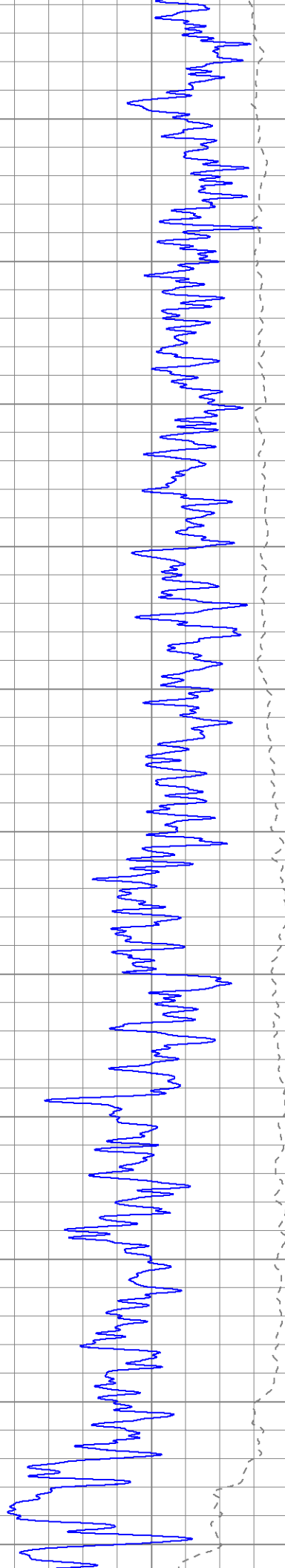
0	GR (GAPI)	150
-200	SP (mV)	0

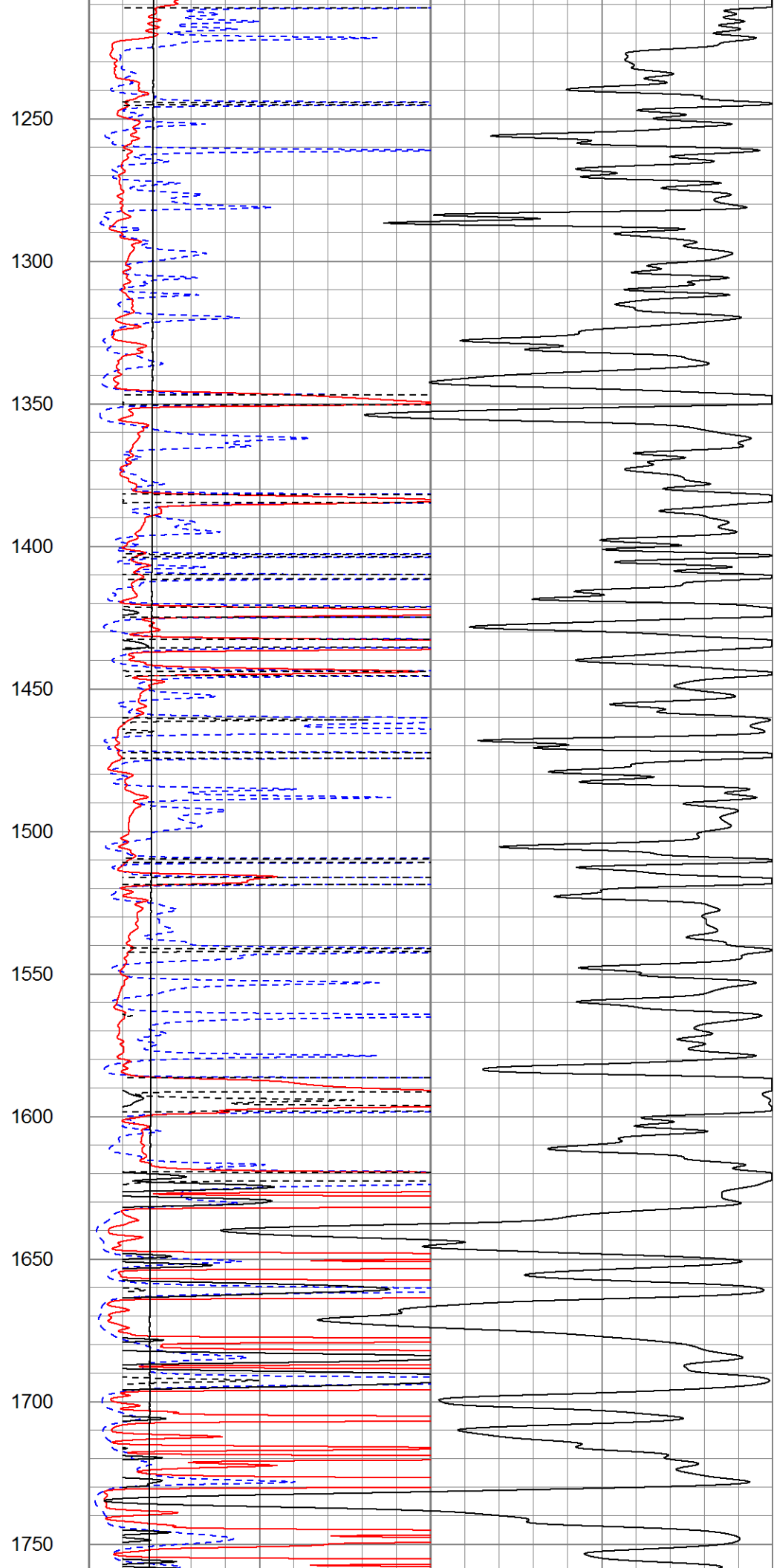
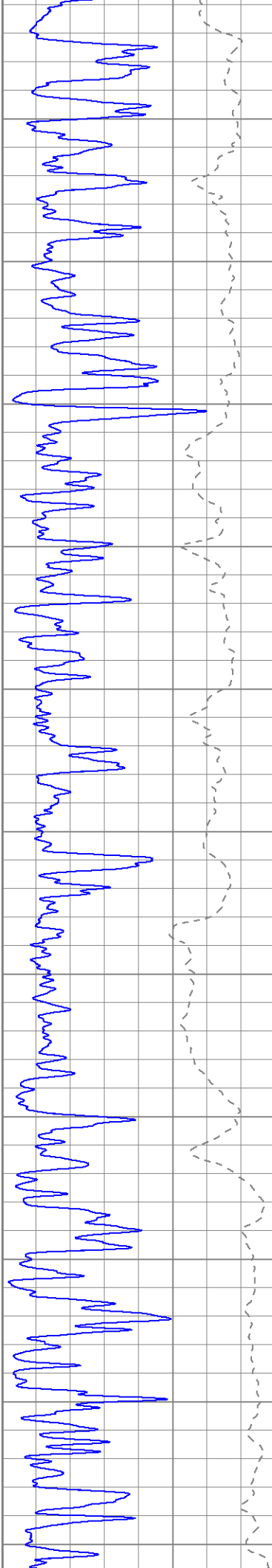
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50

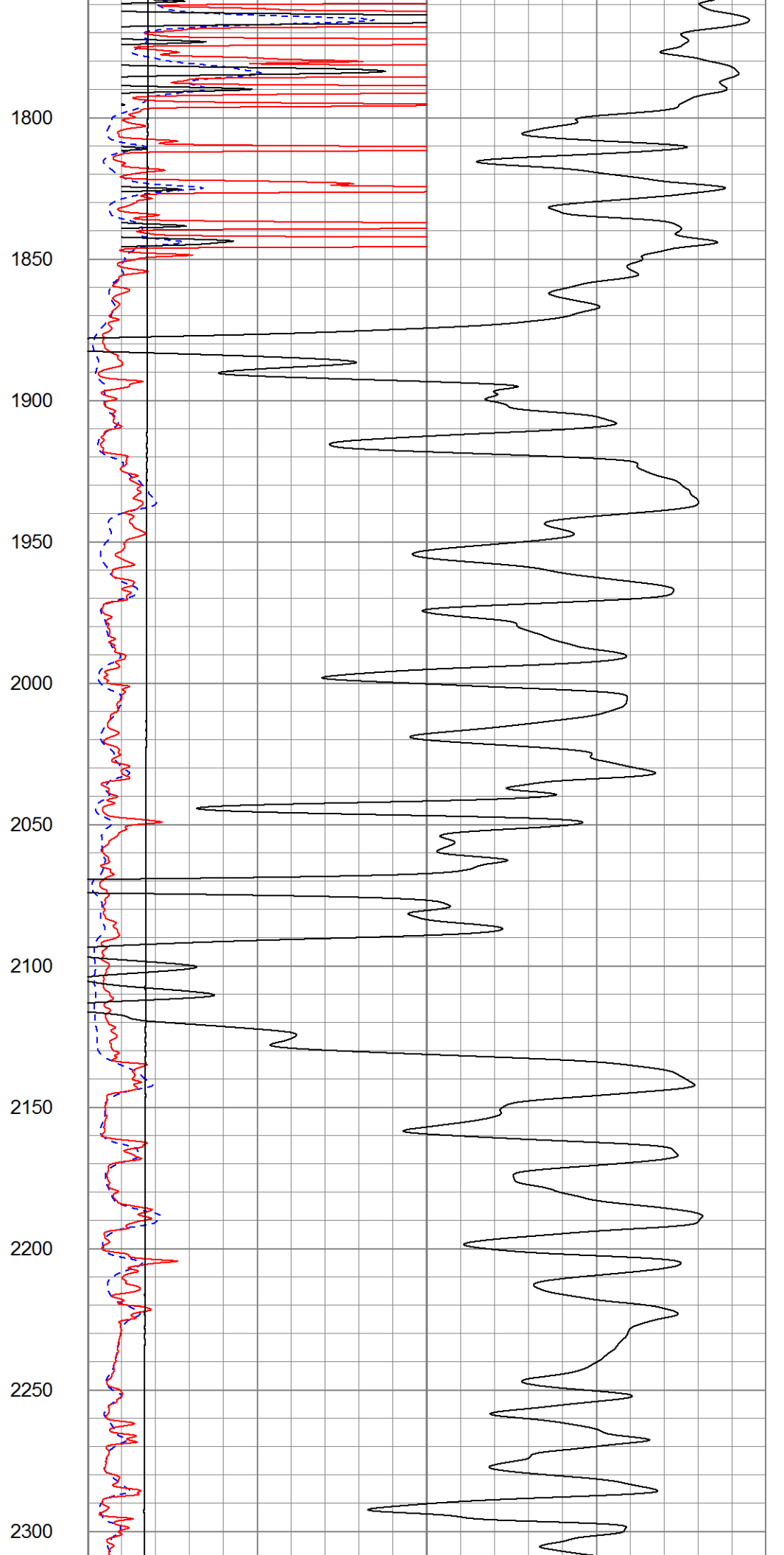
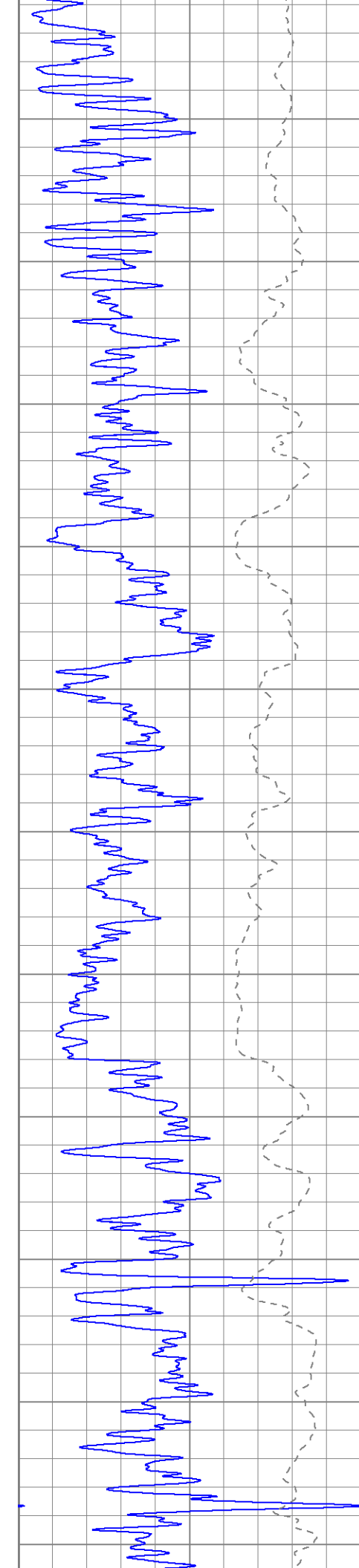
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0

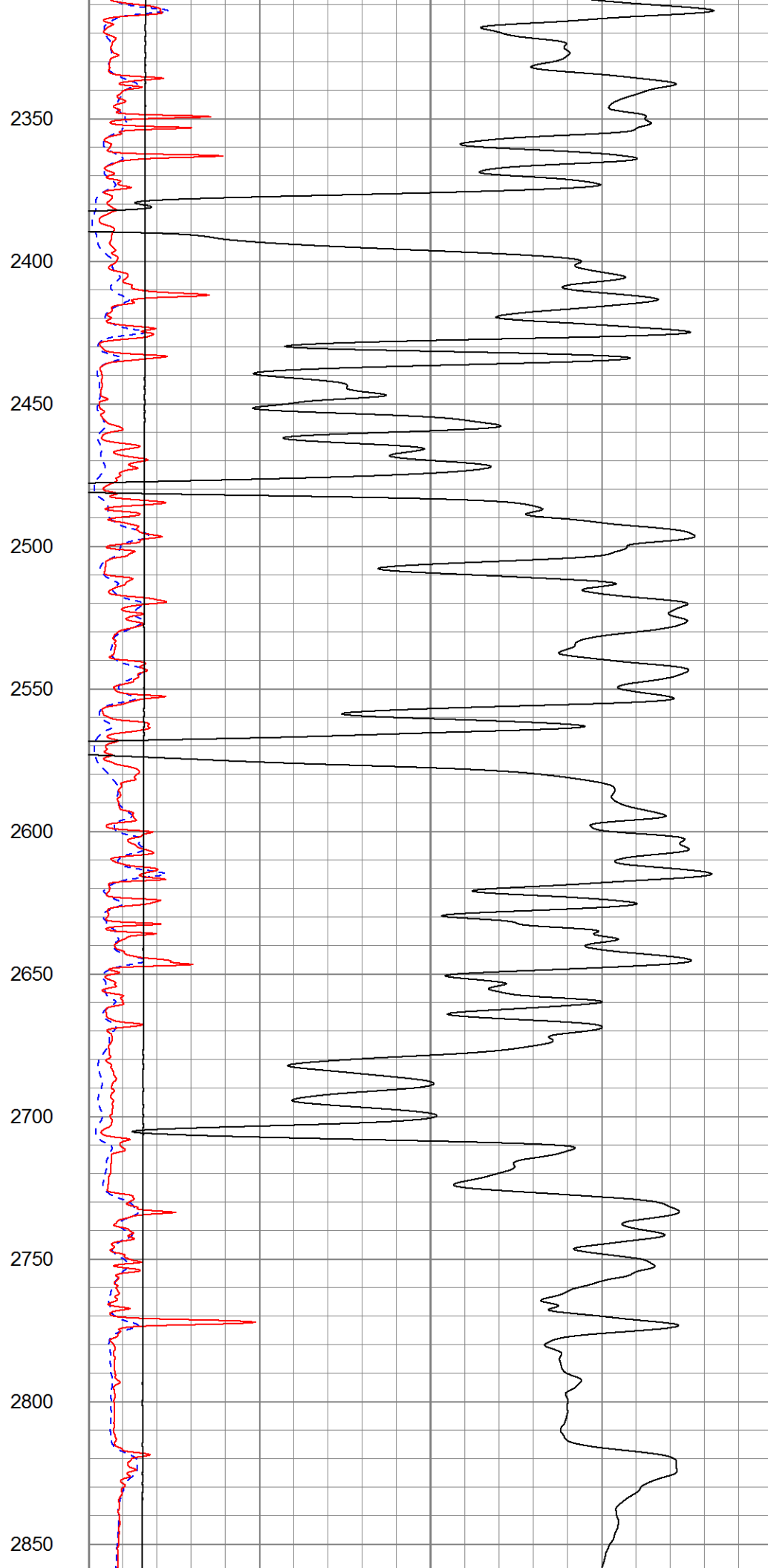
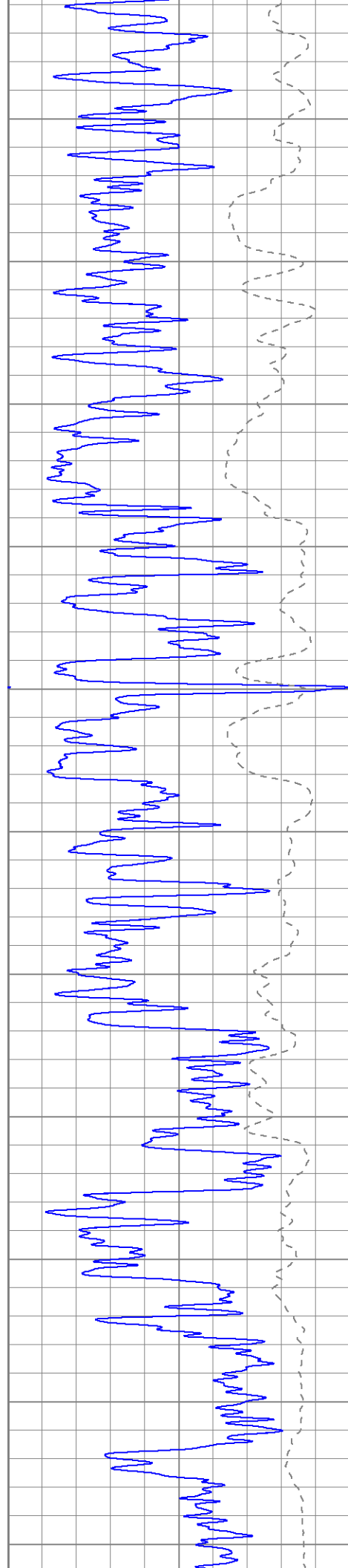
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

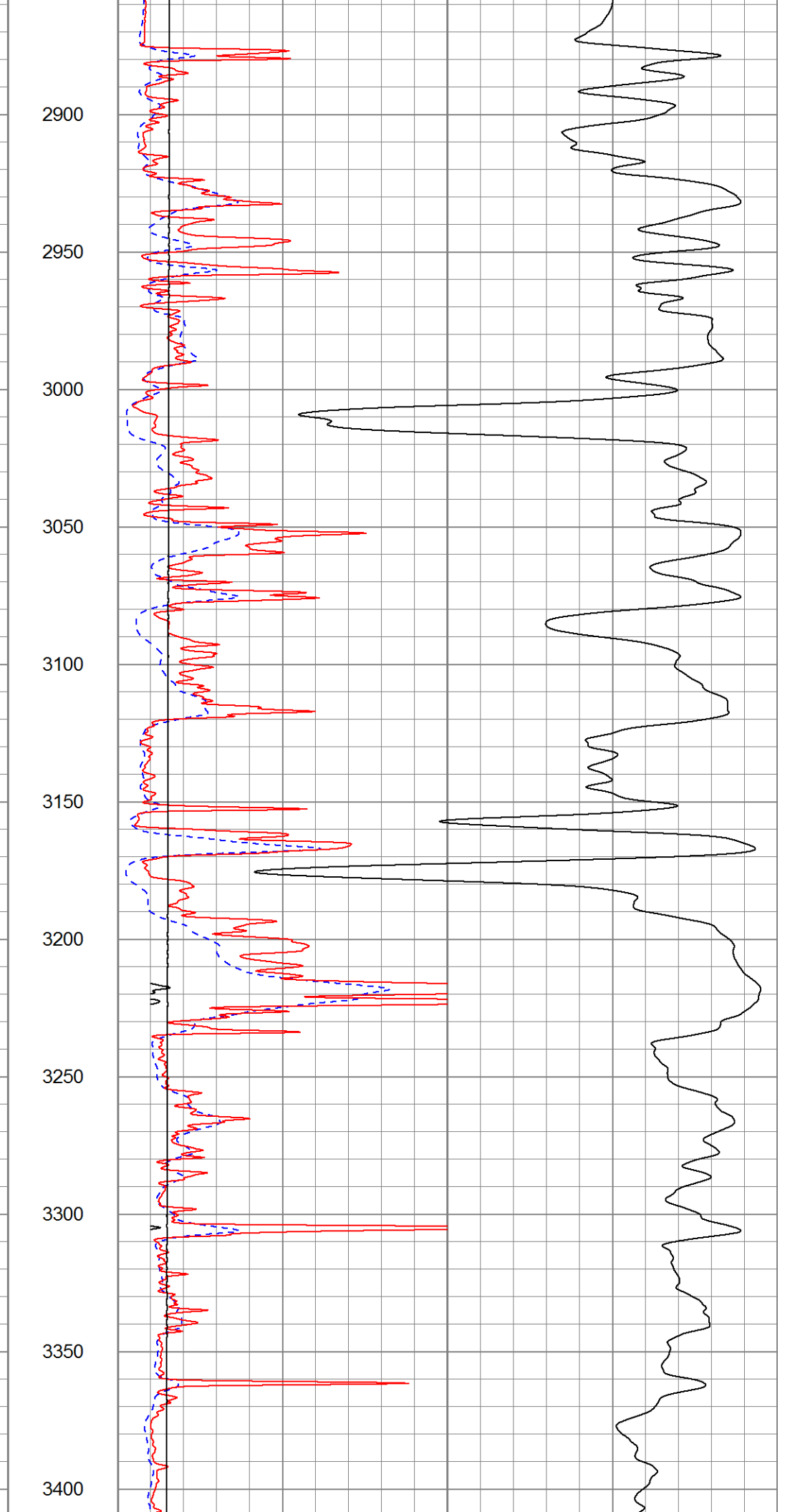
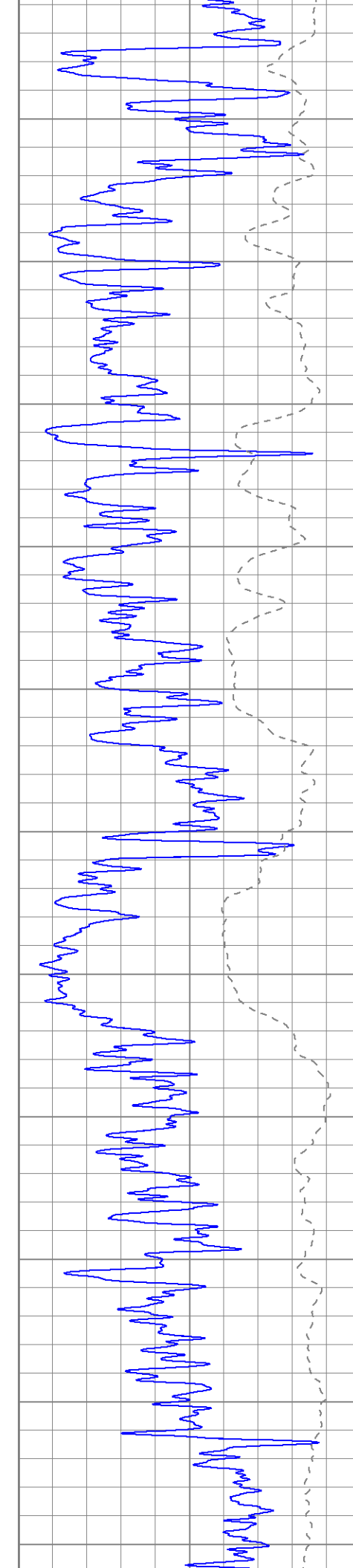


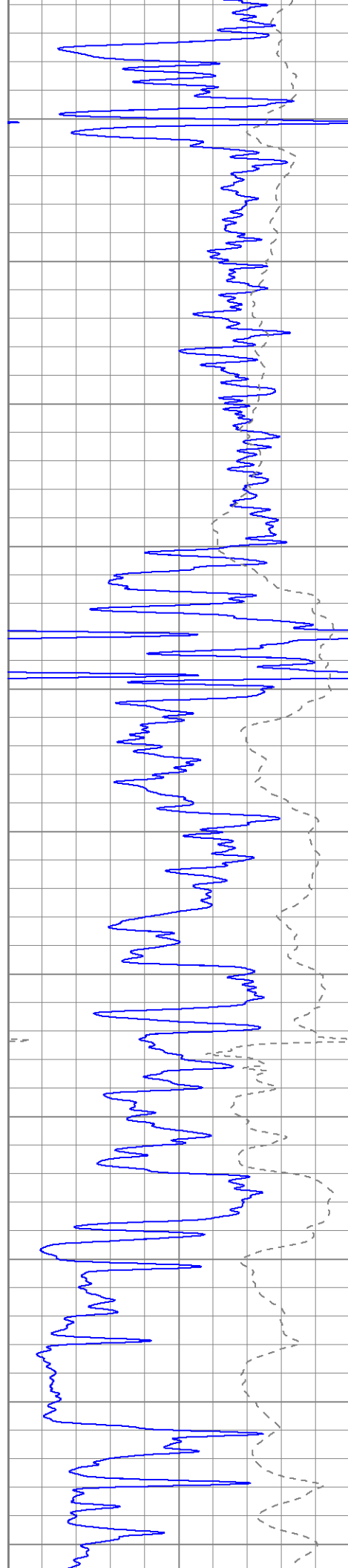












3450

3500

3550

3600

3650

3700

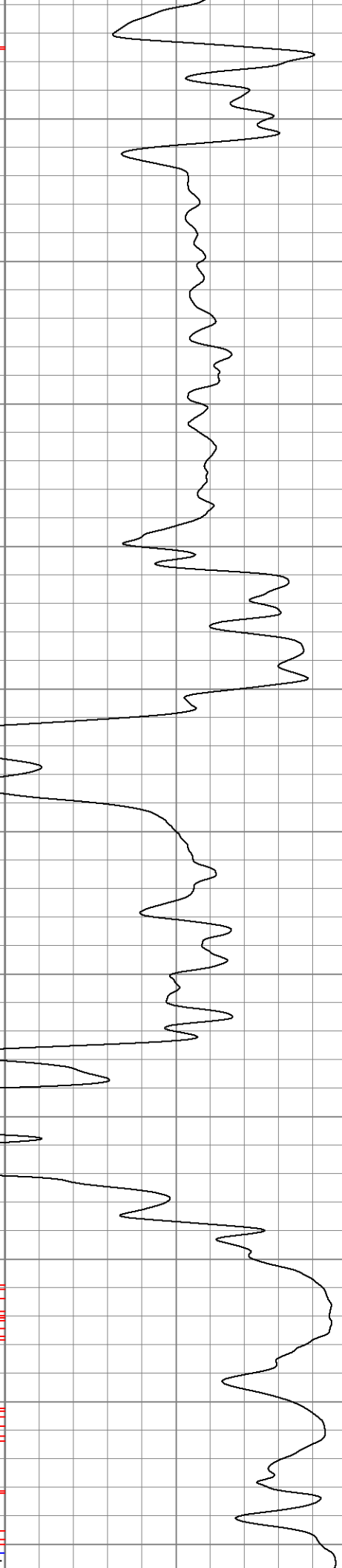
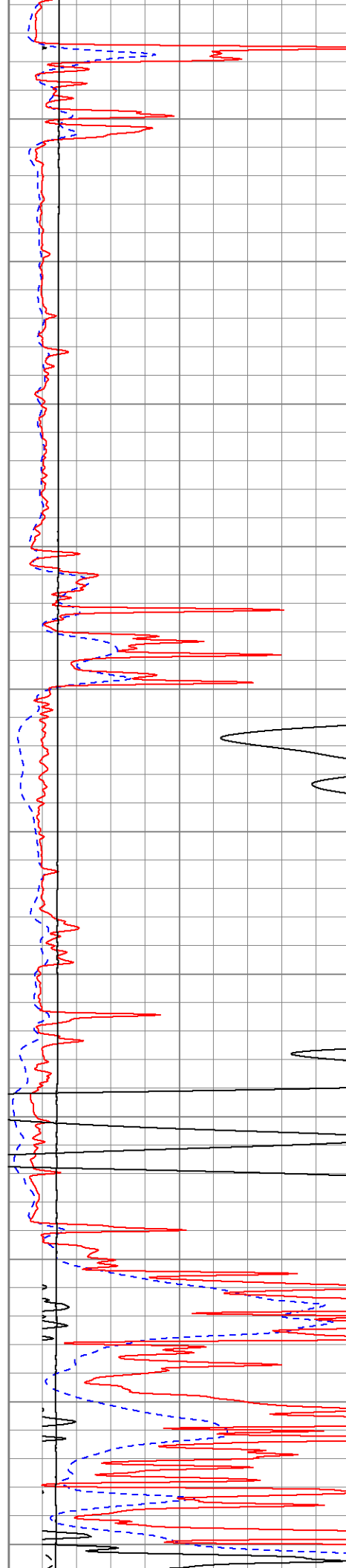
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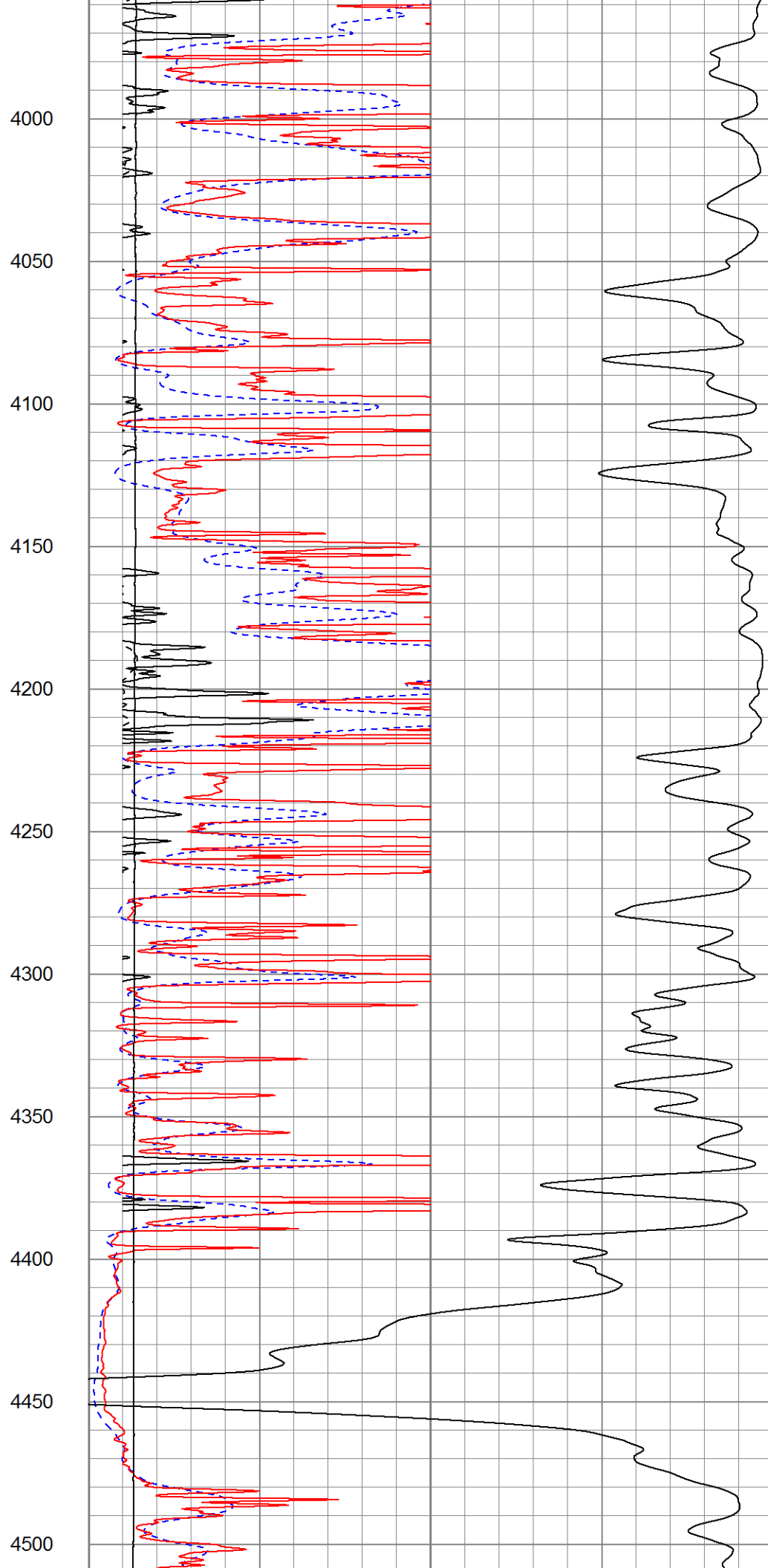
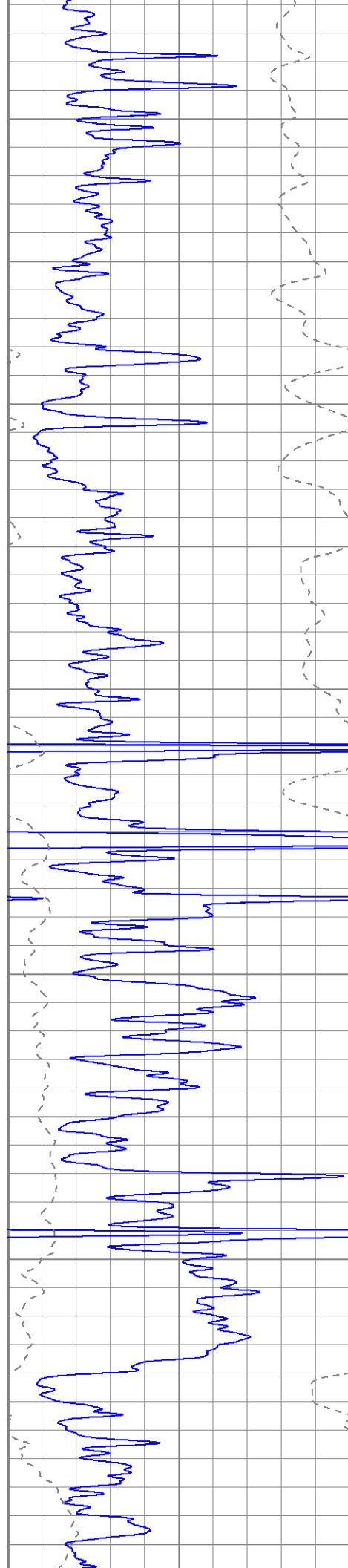
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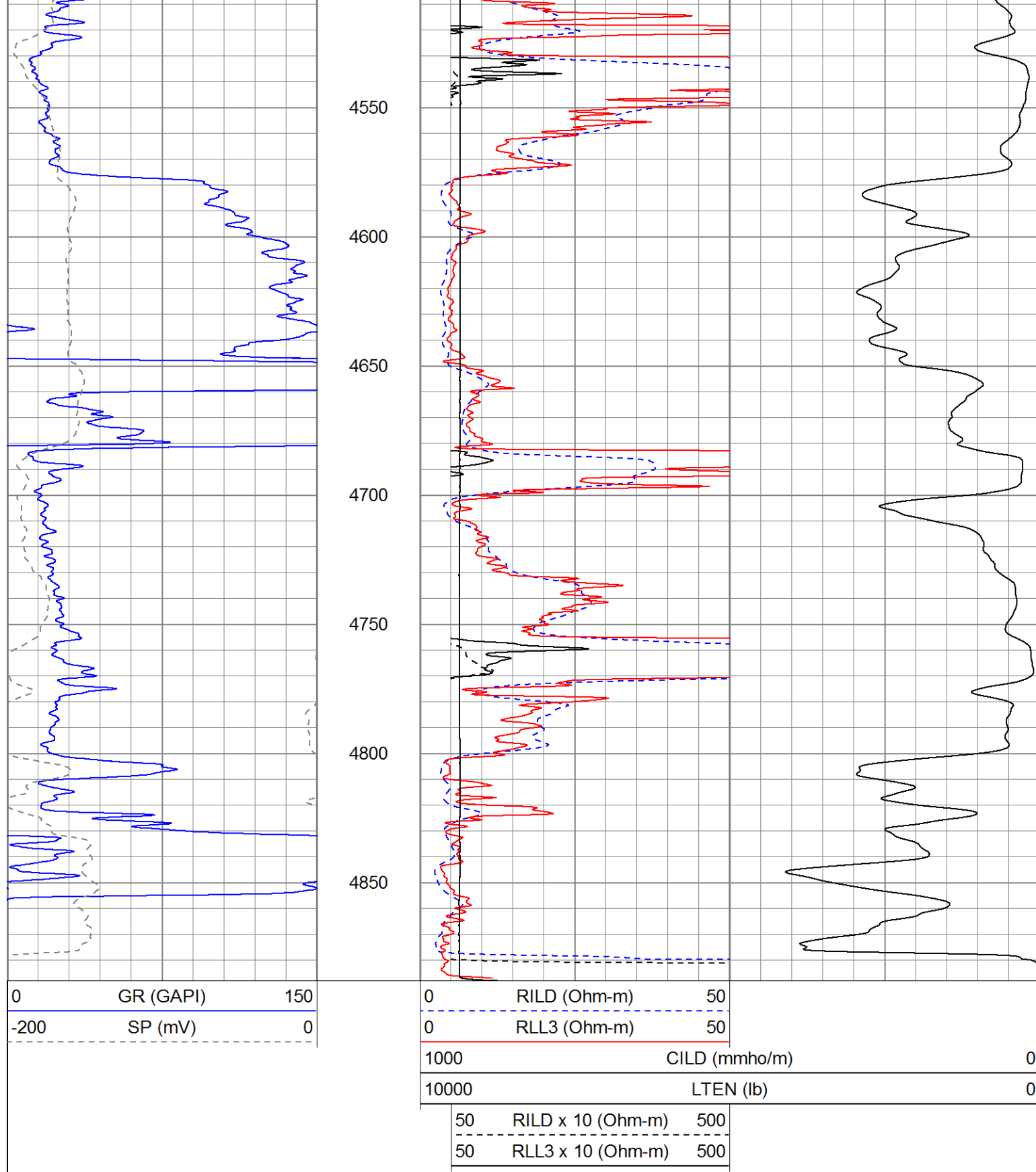
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3900

3950

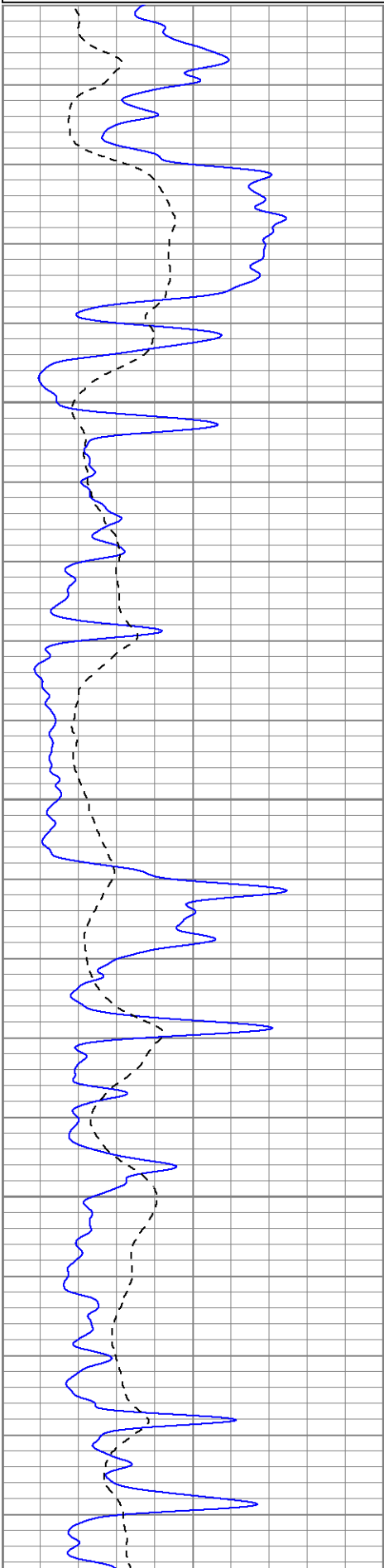




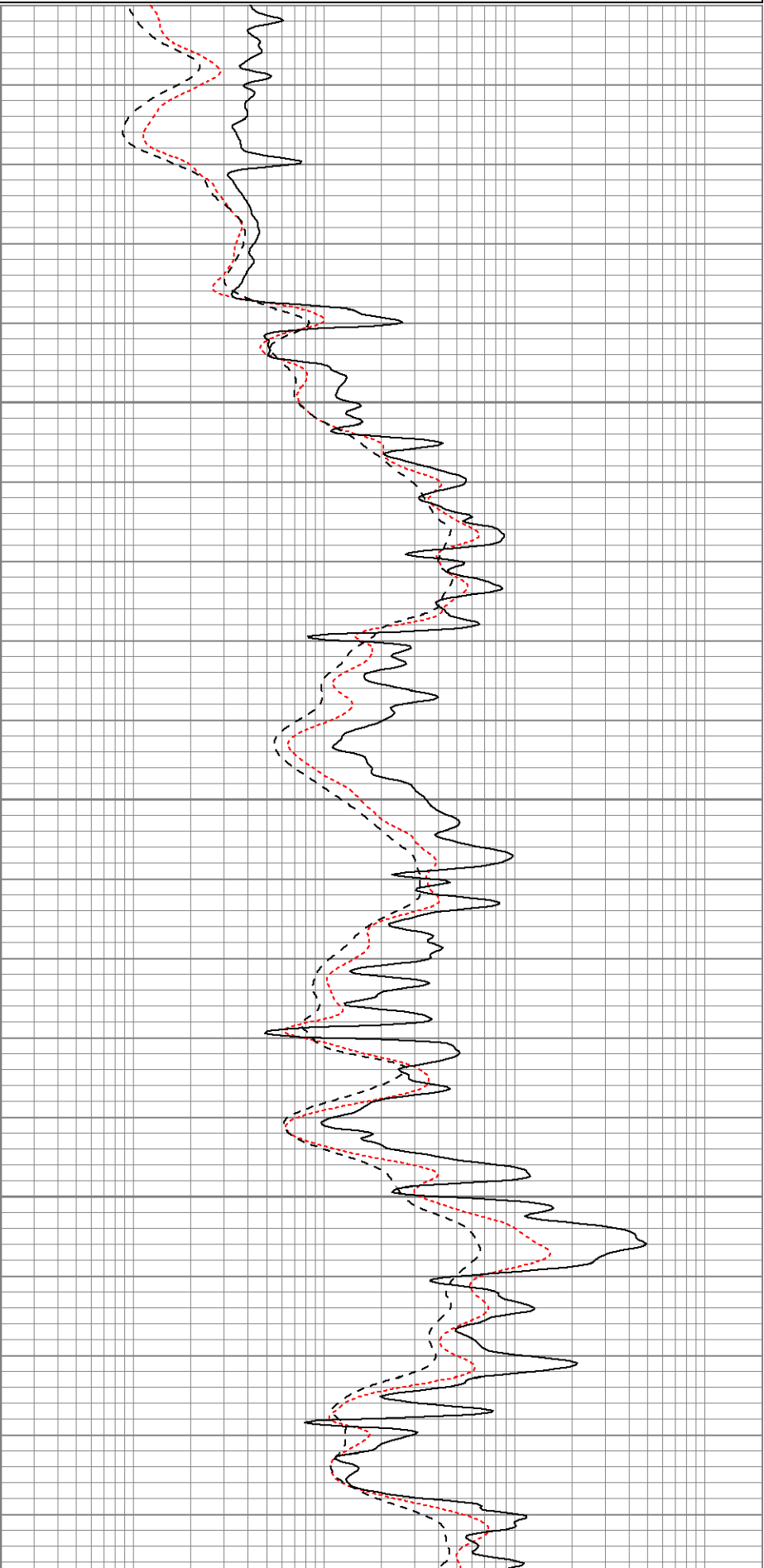


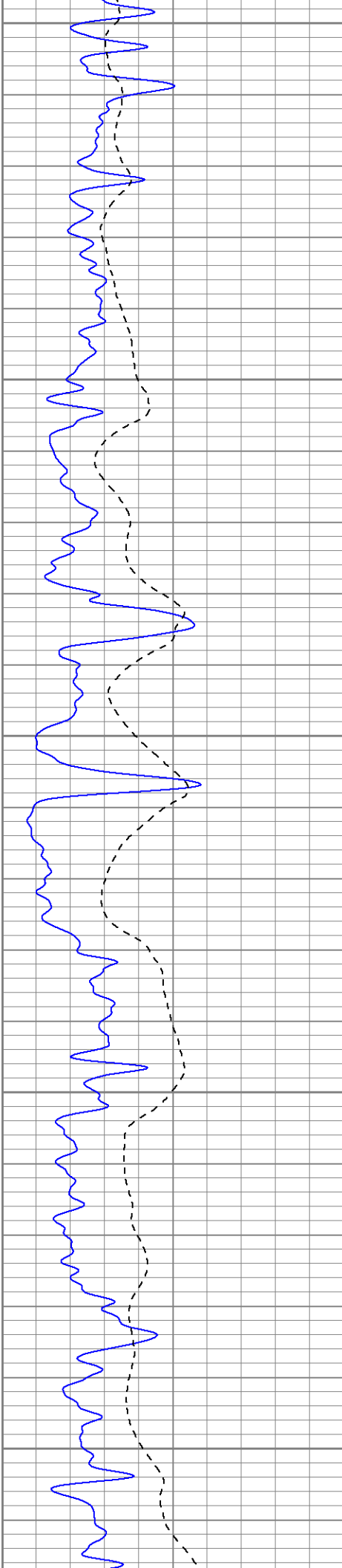
0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILM (Ohm-m)	2000
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000



3800
3850
3900
3950





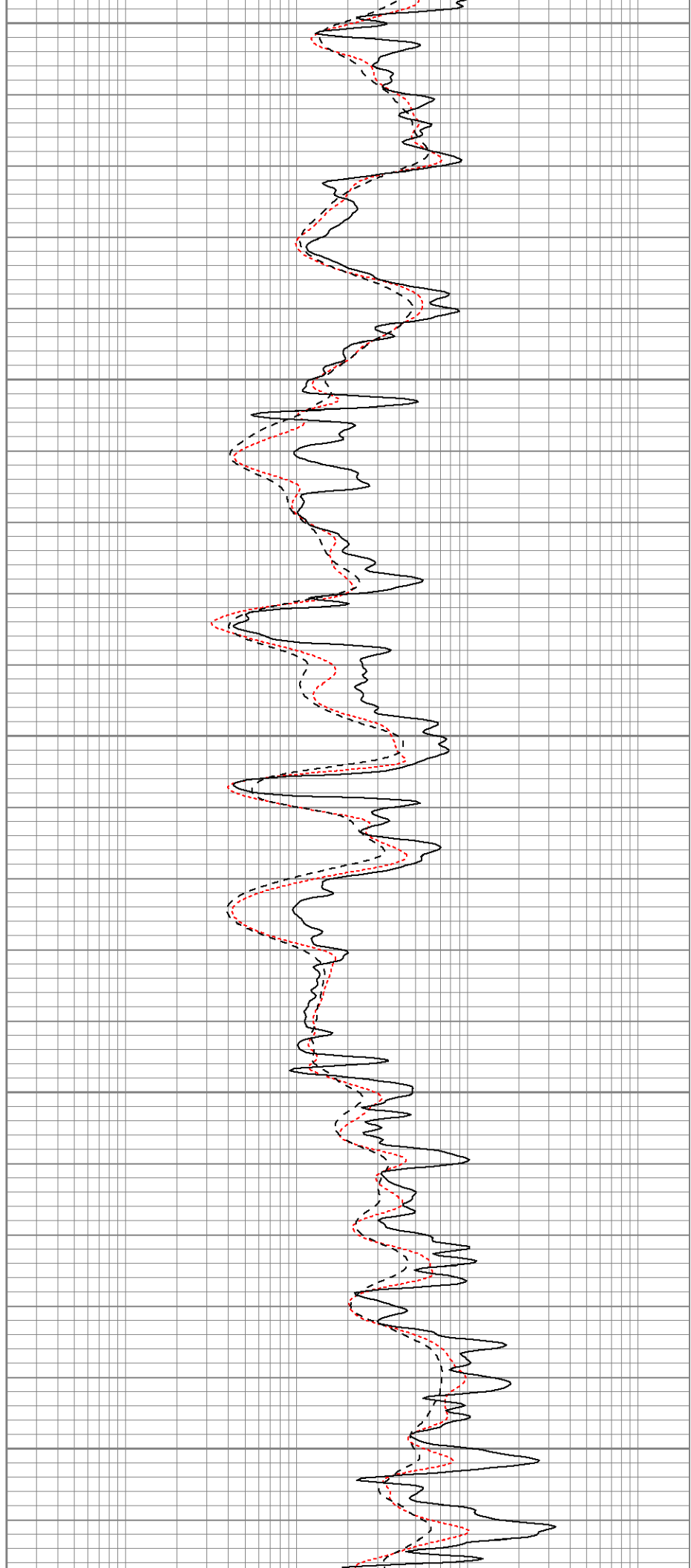
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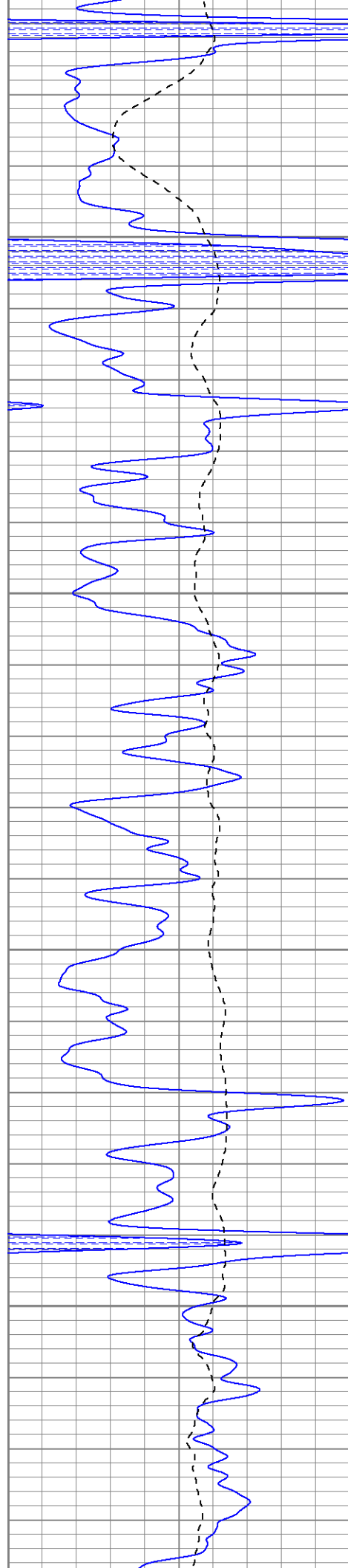
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4100

4150

4200



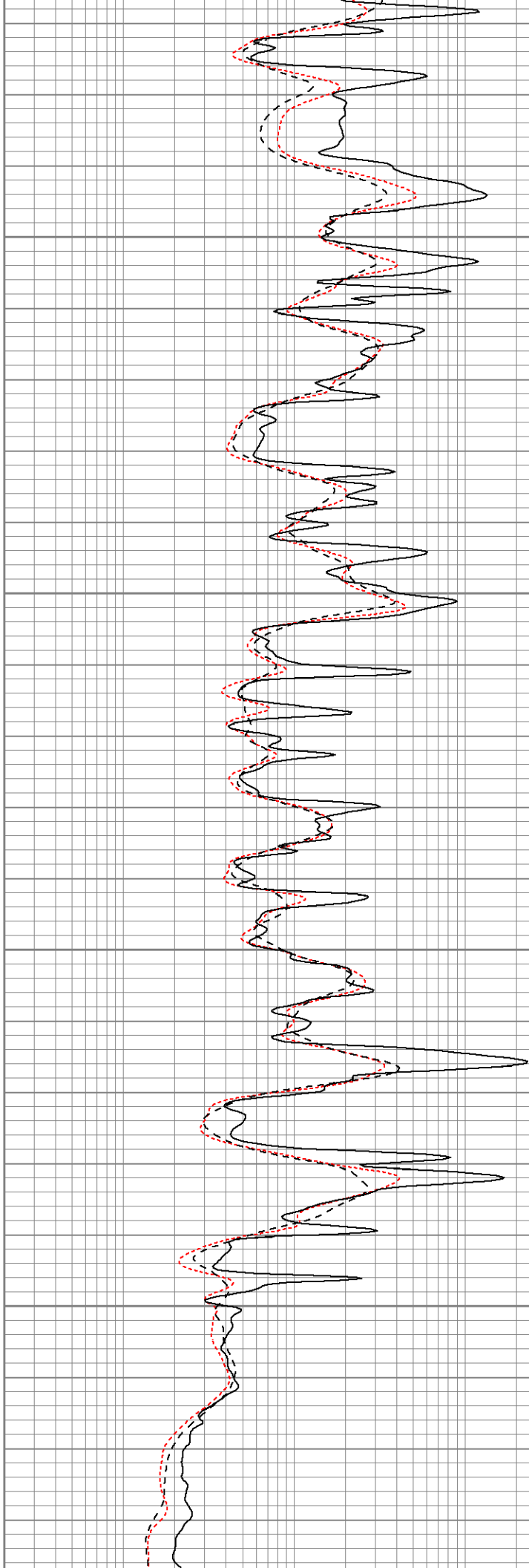


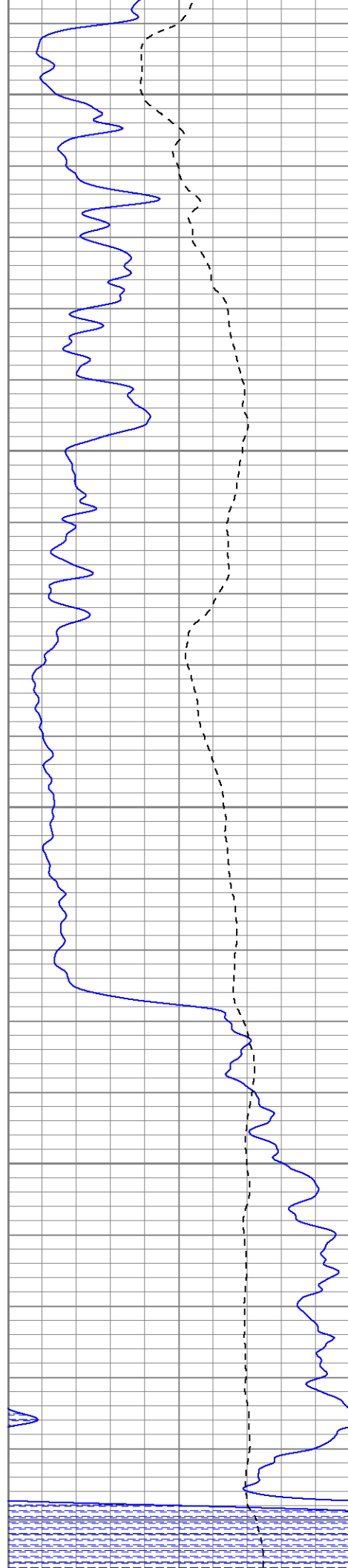
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4300

4350

4400





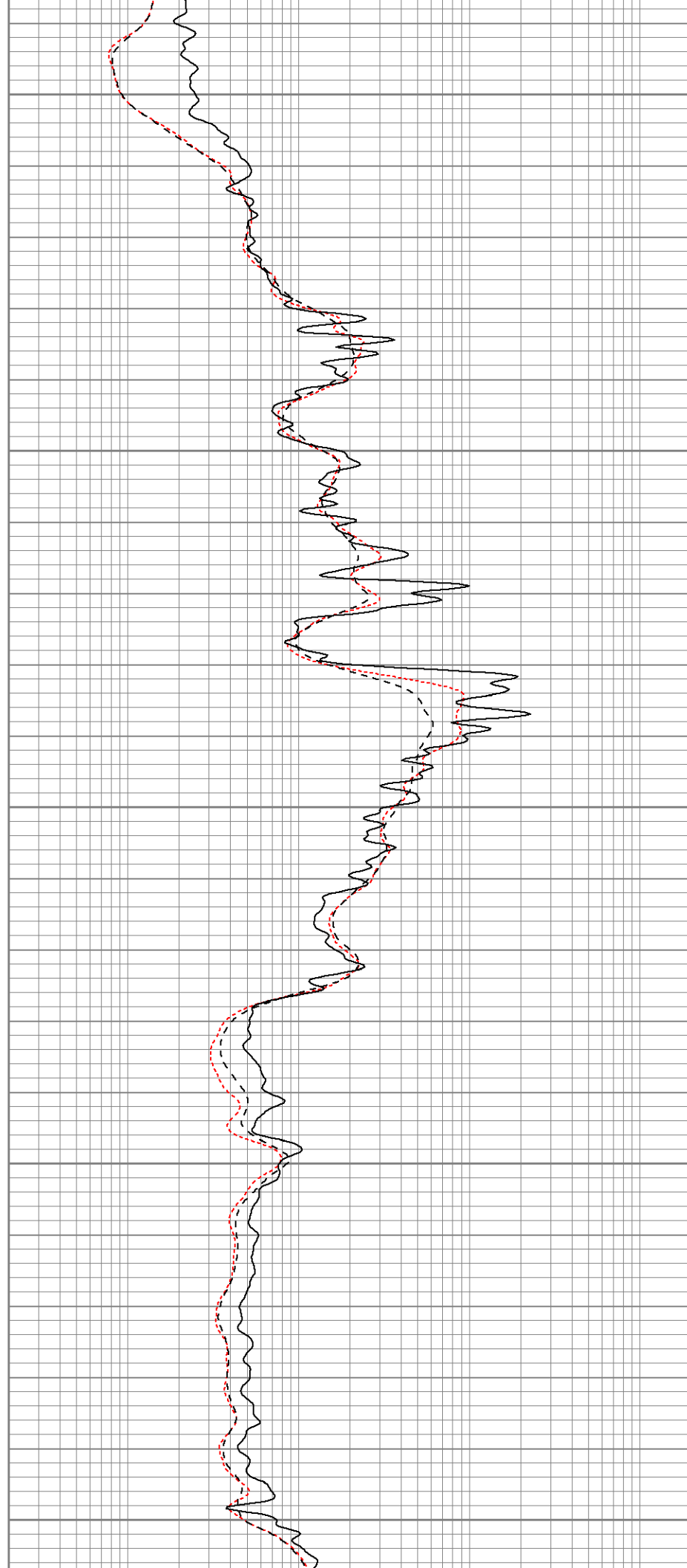
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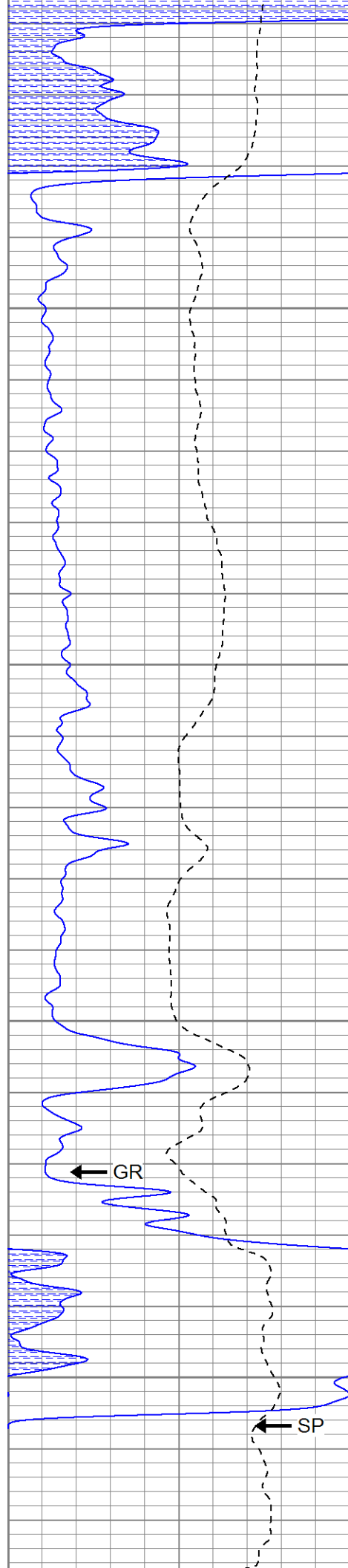
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4550

4600

4650



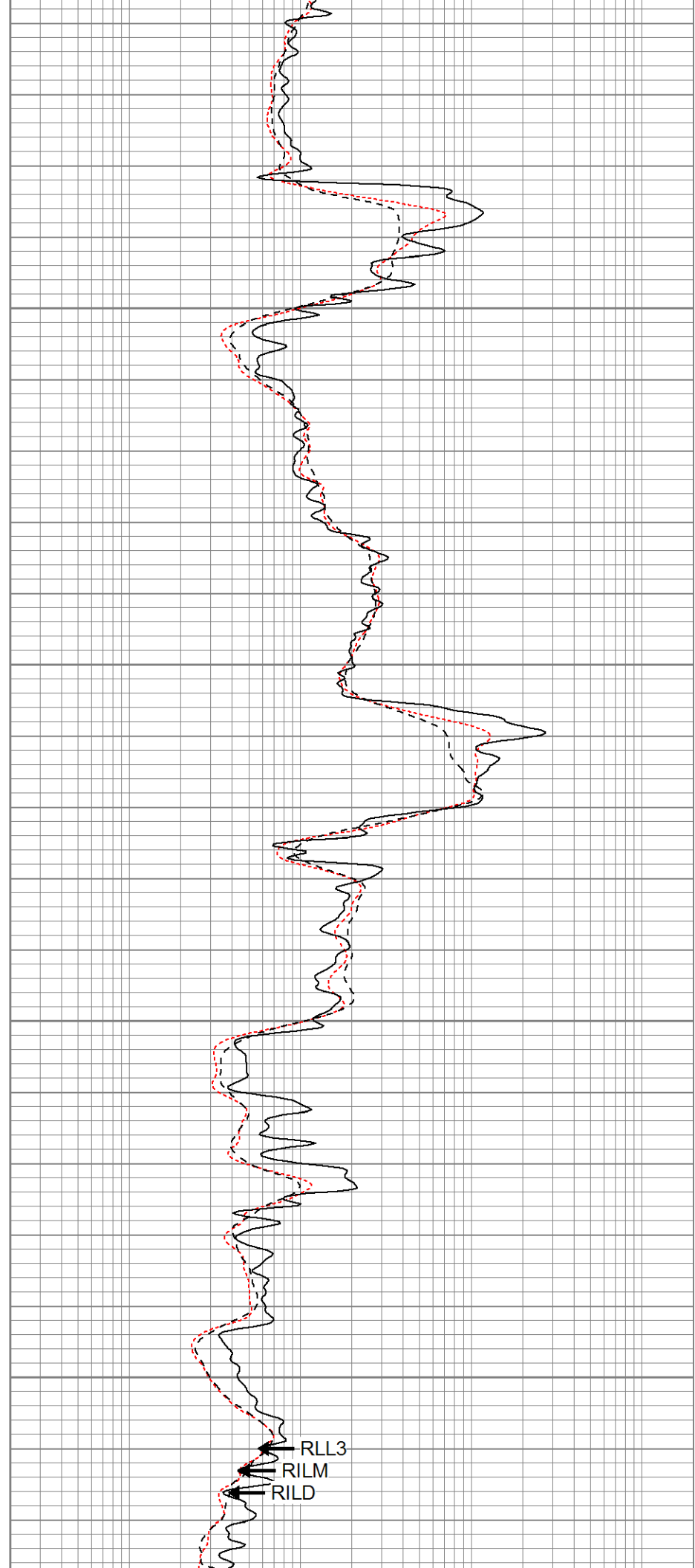


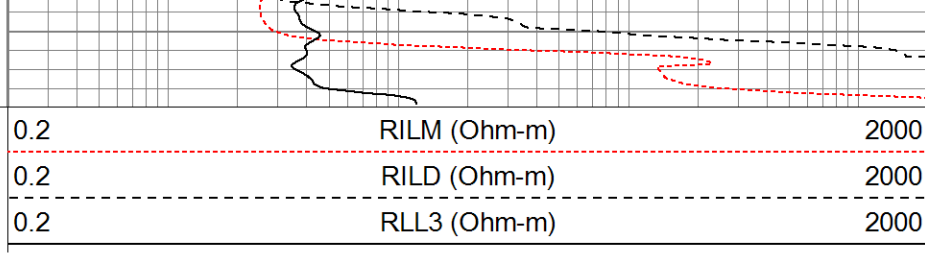
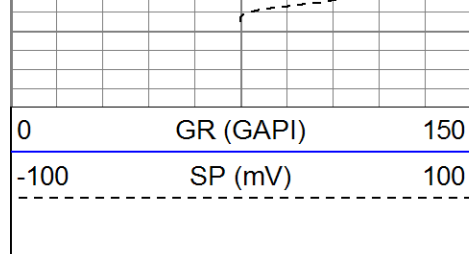
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4750

4800

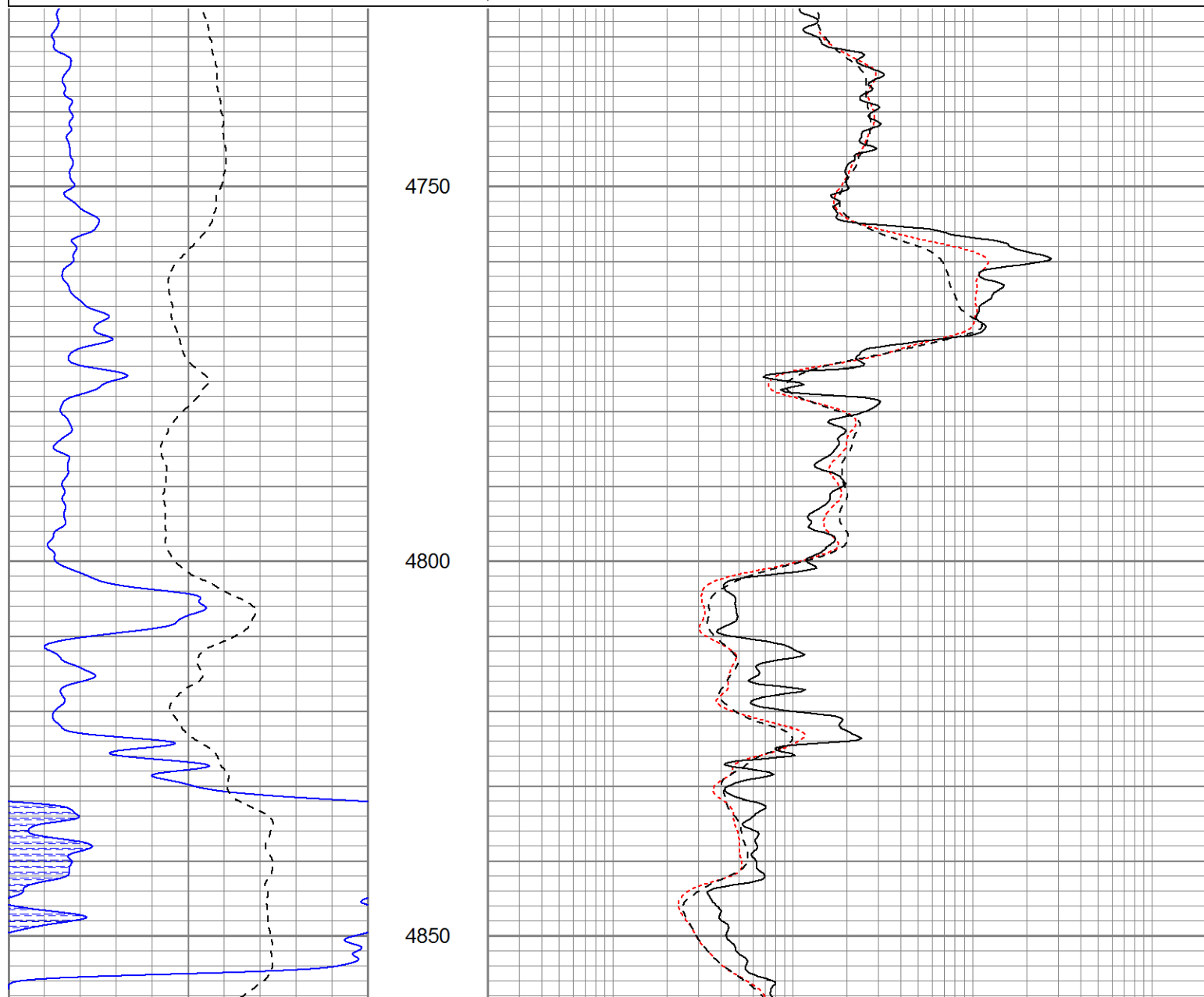
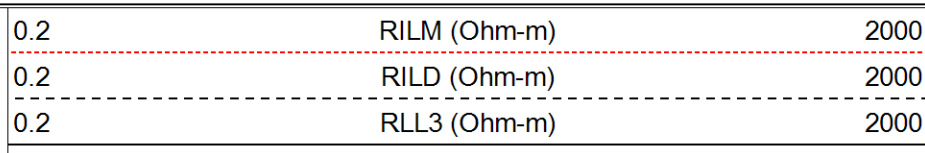
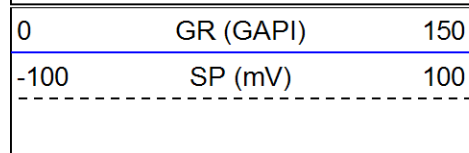
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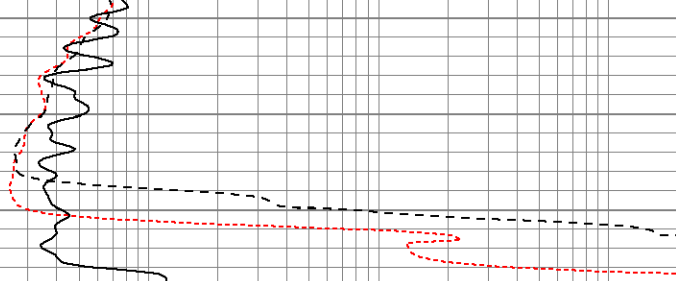




Repeat Pass

Database File: cg#3randelsboh.db
Dataset Pathname: pass1.1
Presentation Format: kdil
Dataset Creation: Wed Feb 22 19:02:17 2012 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240





Calibration Report									
Database File:		cg#3randelsboh.db							
Dataset Pathname:		pass1							
Dataset Creation:		Wed Feb 22 18:38:38 2012 by Log Open-Cased 100827							
Dual Induction Calibration Report									
Serial-Model:		080522-Probe							
Surface Cal Performed:		Wed Feb 22 16:59:31 2012							
Downhole Cal Performed:		Wed Feb 22 16:59:34 2012							
After Survey Verification Performed:		Wed Feb 22 16:59:36 2012							
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.001	0.639	V	0.000	400.000	mmho/m	627.163	-0.574	
Medium	0.002	0.738	V	0.000	464.000	mmho/m	630.206	-1.062	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.001	0.638	V	0.000	400.000	mmho/m	628.131	-0.717	
Medium	0.002	0.738	V	0.000	464.000	mmho/m	630.237	-1.192	
Downhole Calibration									
Readings				References			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.283	399.724	mmho/m	0.142	399.525	mmho/m	1.000	-0.142	
Medium	0.315	464.258	mmho/m	0.131	464.108	mmho/m	1.000	-0.185	
LL3		7.287	V		750.000	Ohm-m			
		-0.000	V		12.000	Ohm-m			
		-7.425	V		3745.000	mmho-m			
After Survey Verification									
Readings				Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	0.283	399.724	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	0.315	464.258	mmho/m	1.000	0.000	
LL3		0.000	Ohm-m		750.000	Ohm-m			
		0.000	Ohm-m		12.000	Ohm-m			
		0.000	mmho-m		3745.000	mmho-m			

Serial-Model: 2501DHT-DHT
Source / Verifier: /
Master Calibration Performed: Fri Feb 17 05:00:07 2012

Before Survey Verification Performed:
After Survey Verification Performed:

Master Calibration					
	<u>Density</u>		<u>Far Detector</u>	<u>Near Detector</u>	
Magnesium	1.750	g/cc	744.27	293.58	cps
Aluminum	2.680	g/cc	138.48	189.15	cps
	Spine Angle = 75.35		Density/Spine Ratio = 0.535		
	<u>Size</u>		<u>Reading</u>		
Small Ring	7.55	in	6064.22		
Large Ring	14.00	in	10296.80		
Before Survey Verification					
	<u>Target</u>		<u>Measured</u>		
		g/cc		g/cc	
		g/cc		g/cc	
		g/cc		g/cc	
After Survey Verification					
	<u>Target</u>		<u>Measured</u>		
		g/cc		g/cc	
		g/cc		g/cc	
		g/cc		g/cc	
Gamma Ray Calibration Report					
Serial Number:	2000				
Tool Model:	P2000				
Performed:	Mon Feb 06 09:30:04 2012				
Calibrator Value:	1.0		GAPI		
Background Reading:	0.0		cps		
Calibrator Reading:	1.0		cps		
Sensitivity:	0.2200		GAPI/cps		
Neutron Calibration Report					
Serial Number:	5108				
Tool Model:	PROBE				
Performed:	Thu Feb 16 13:26:52 2012				
Calibrator Value:	1		NAPI		
Calibrator Reading:	1		cps		
Sensitivity:	1		NAPI/cps		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
NEU	37.96		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00

LSD	23.78				
DCAL	23.49				
SSD	23.24				
HEADVOLT	21.47				
CILD	10.60				
SP	10.60				
CILM	6.89				
RLL3	1.70				
Dataset: cg#3randelsboh.db: field/well/run1/pass1 Total Length: 40.49 ft Total Weight: 676.00 lb O.D. 4.00 in					