

DUAL INDUCTION LOG

MIDWEST WIRELINE

Company Berexco, LLC				
Well	FKS Unit #1-18			
Field	Unnamed			
County	Kearny			
State	Kansas			
Location: API #: 15-093-21985-00-00				
2510' FSL & 1315' FEL				
SEC 18 TWP 21S RGE 35W	CNL/CDL MEL/BHCS			
Permanent Datum	Ground Level	Elevation	3172'	Other Services
Log Measured From	Kelly Bushing			K.B. 3181'
Drilling Measured From	Kelly Bushing			D.F. N/A
				G.L. 3172'
Date	5/24/2021			
Run Number	One			
Depth Driller	5050'			
Depth Logger	5056'			
Bottom Logged Interval	5055'			
Top Log Interval	400'			
Casing Driller	8.625" @ 432'			
Casing Logger	431'			
Bit Size	7.875"			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	8000			
Density / Viscosity	9.5	62		
pH / Fluid Loss	10.0	9.6		
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	0.40 @ 60			
Rmt @ Meas. Temp	0.30 @ 60			
Rmc @ Meas. Temp	0.54 @ 60			
Source of Rmt / Rmc	CHARTS			
Rm @ BHT	0.19 @ 127			
Operating Rig Time	5 Hours			
Max Rec. Temp. F	127			
Equipment Number	P-24			
Location	HAYS			
Recorded By	D. Schmidt			
Witnessed By	Edwin Grieves			

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Scott City,
South to County Line, West to County Rd T,
3 South, 1/8 West,
North into

Log Measured From: Kelly Bushing 9 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Edwin Grieves
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\berexco_fks unit 1-18.db
Dataset field/well/stack/pass3.3/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 127	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m 0	mmho/m 0	mV 390	degF 60	Off	ft 5056

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

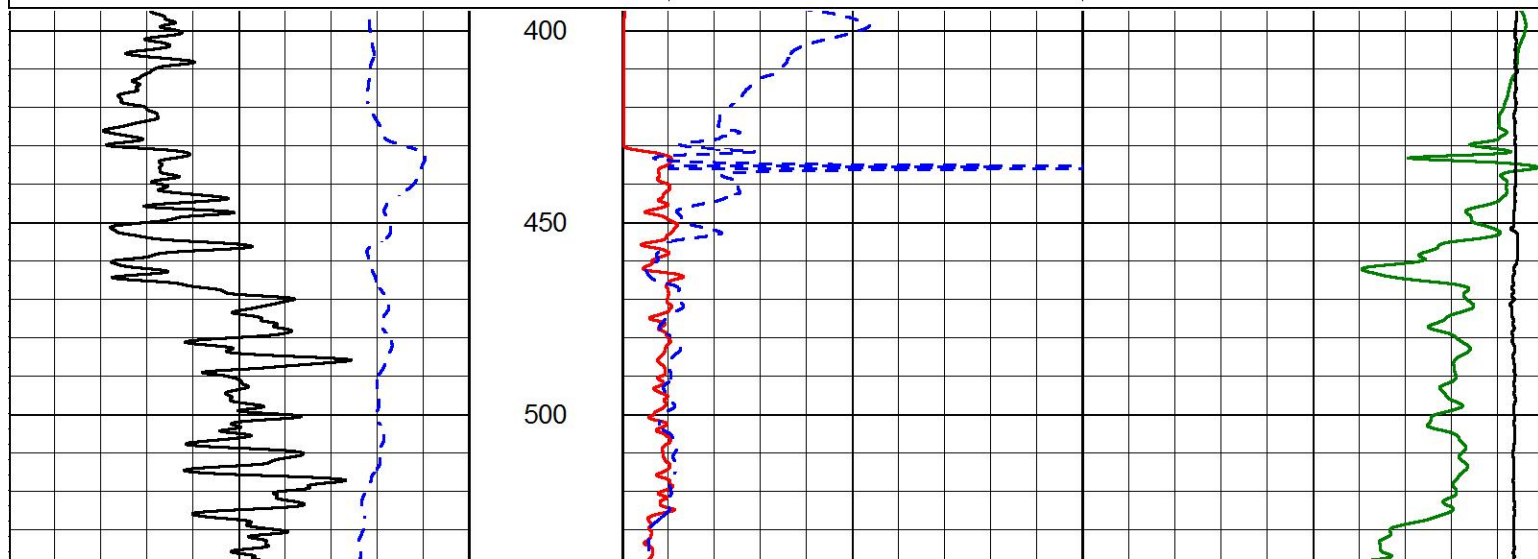


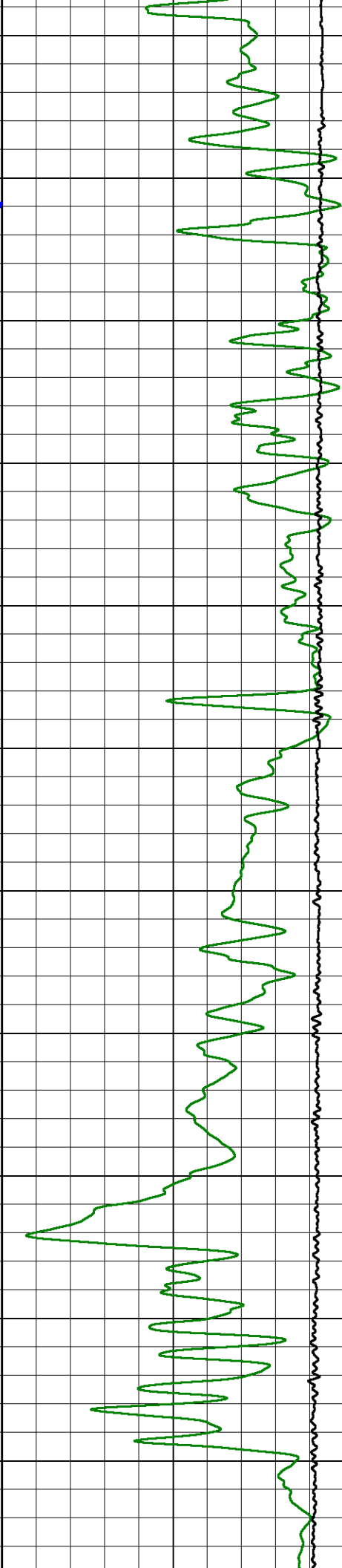
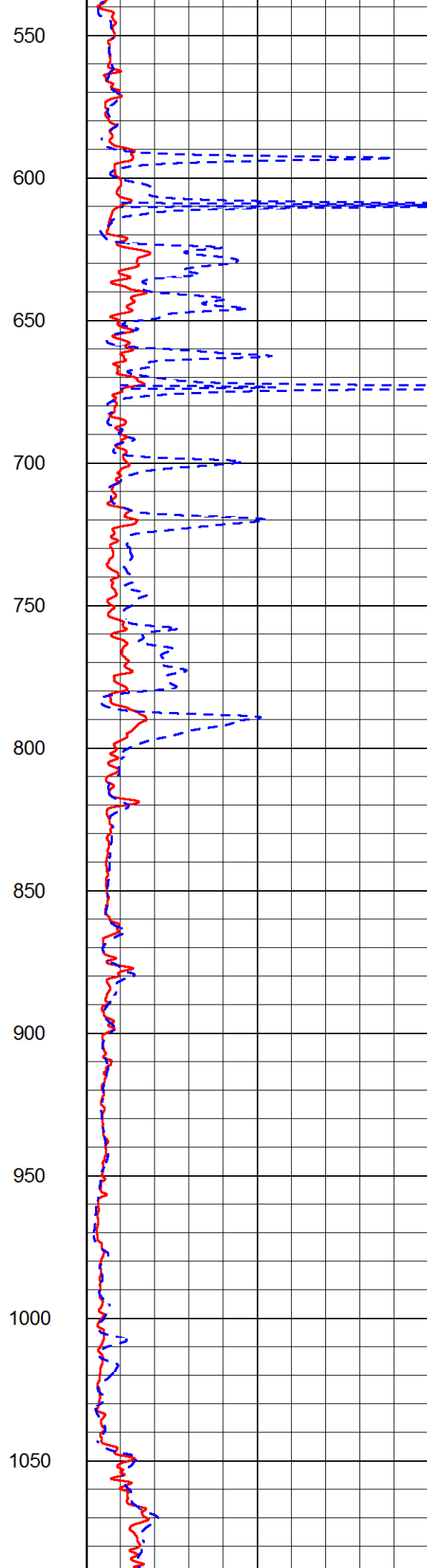
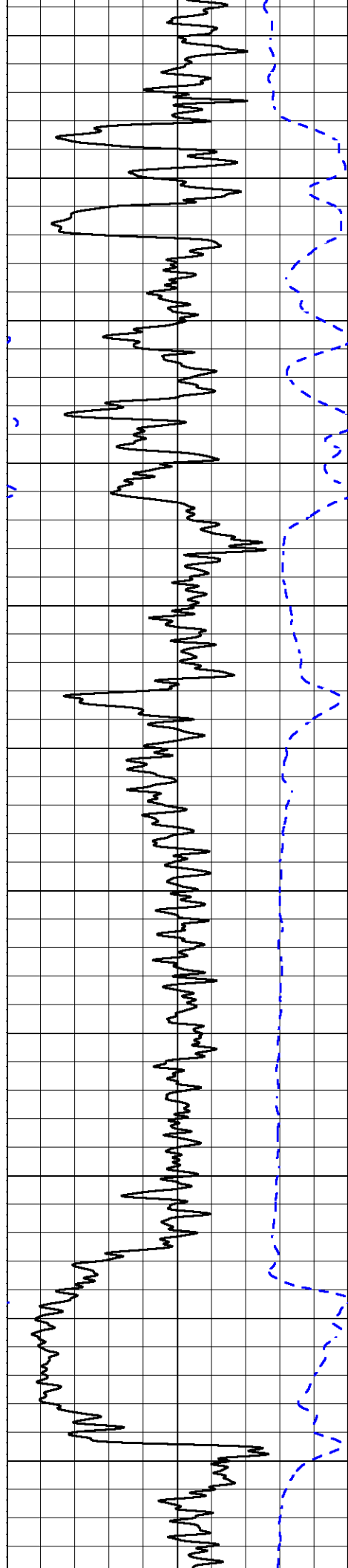
2" SCALE RESISTIVITY

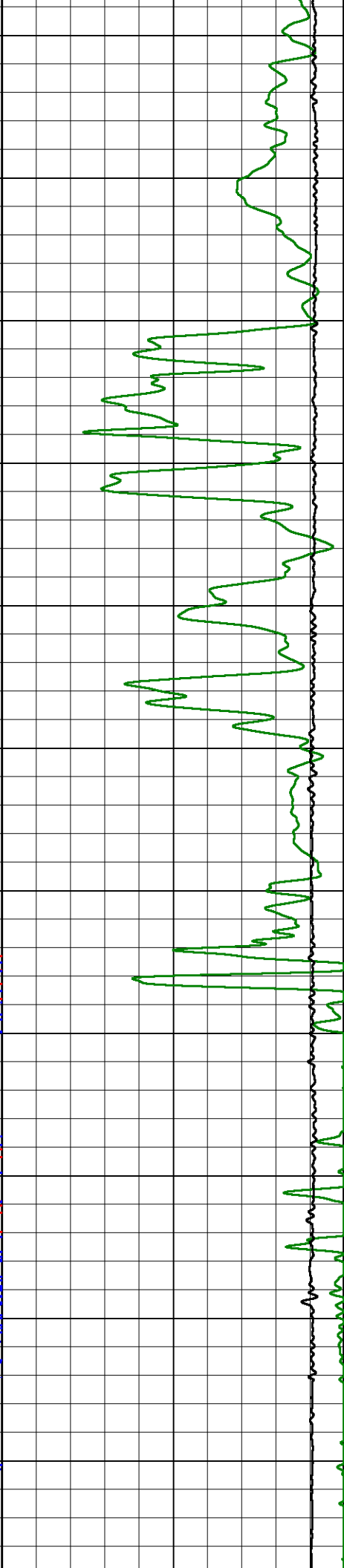
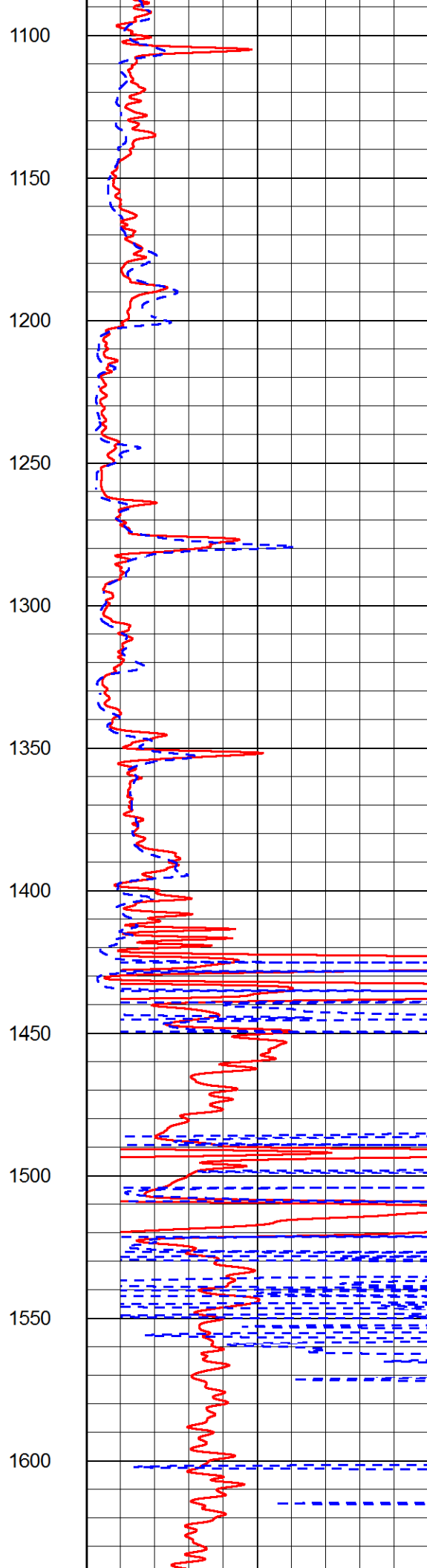
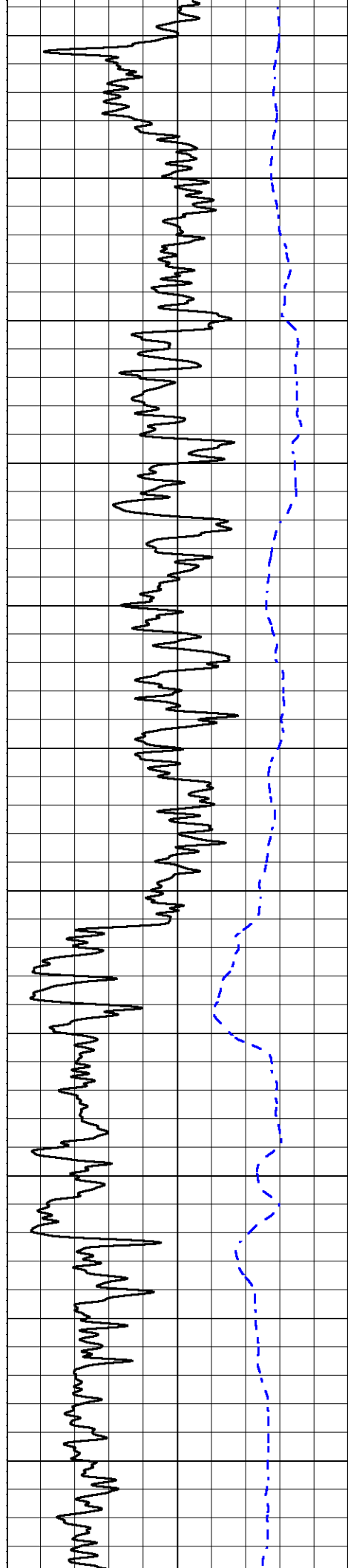
MAIN PASS

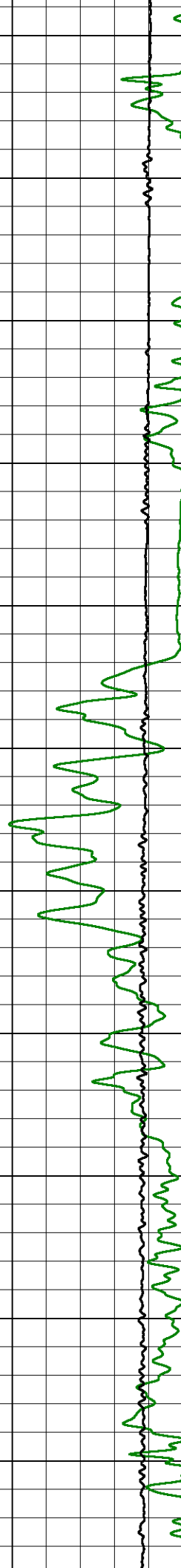
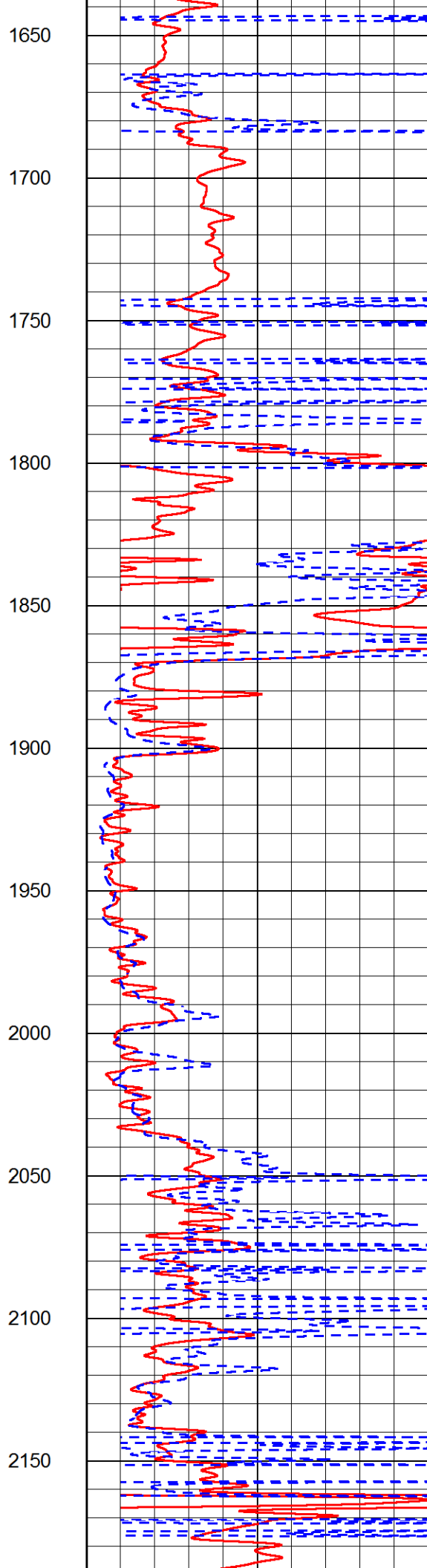
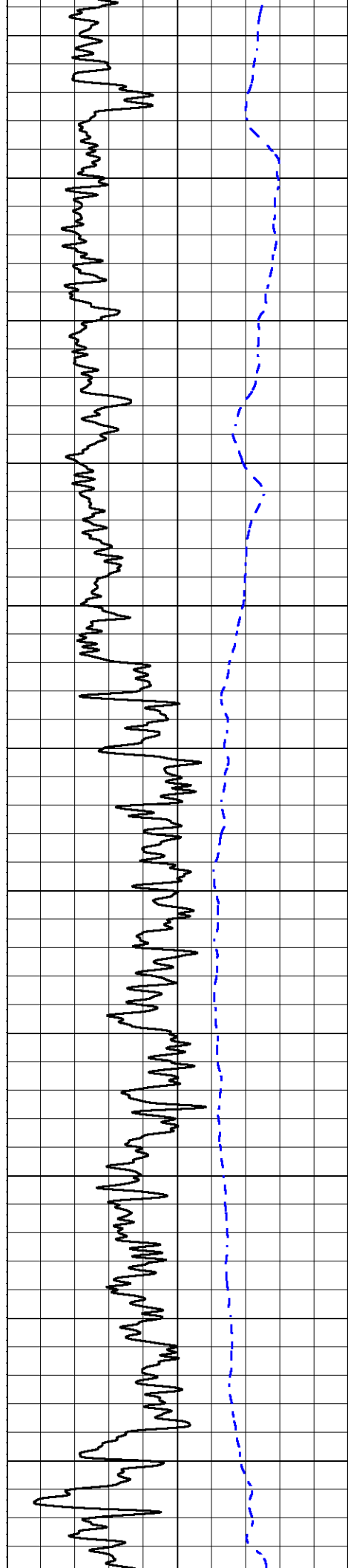
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Dataset Pathname stack/pass6.1
Presentation Format _dil2in
Dataset Creation Mon May 24 06:11:52 2021
Charted by Depth in Feet scaled 1:600

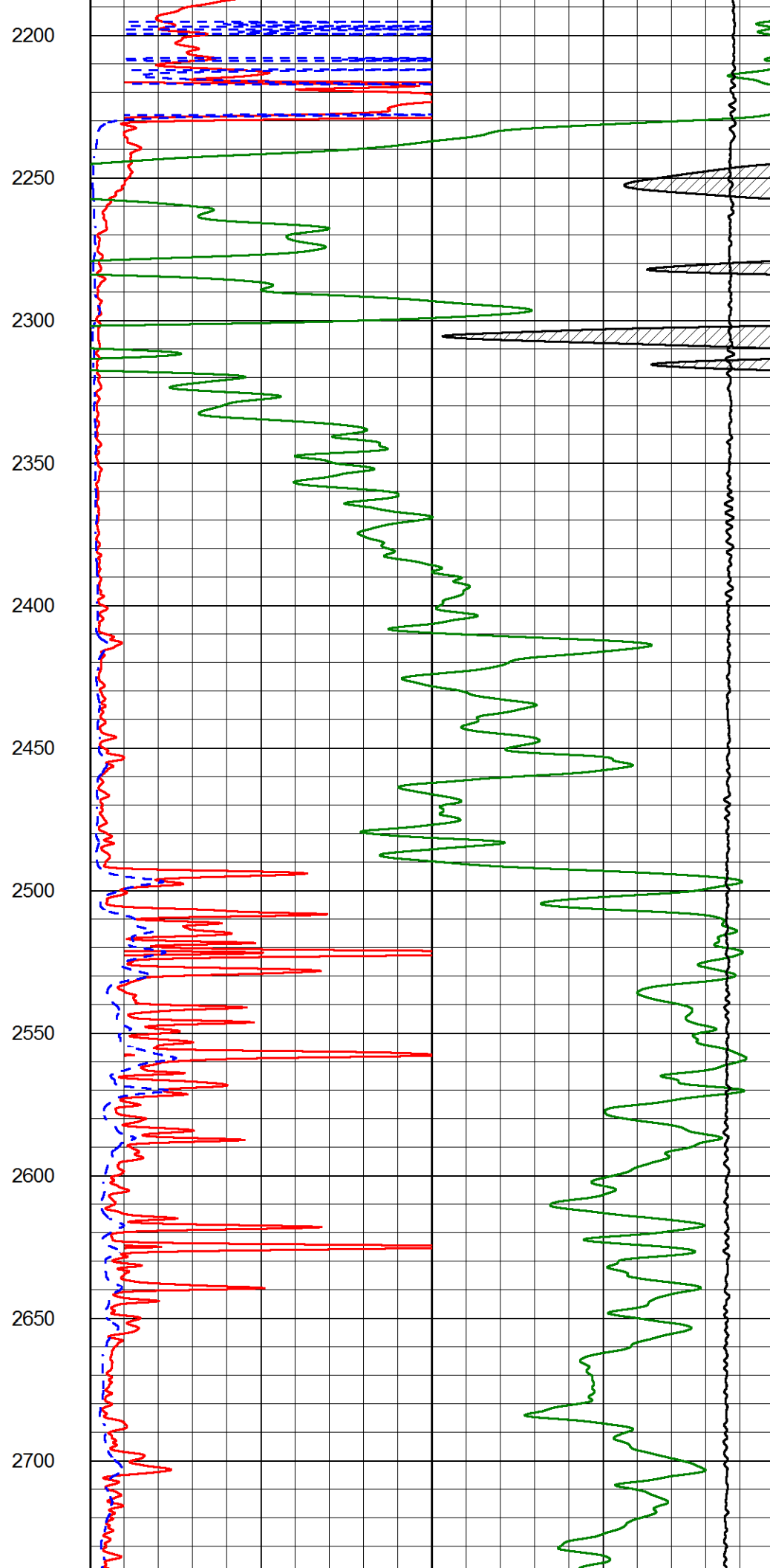
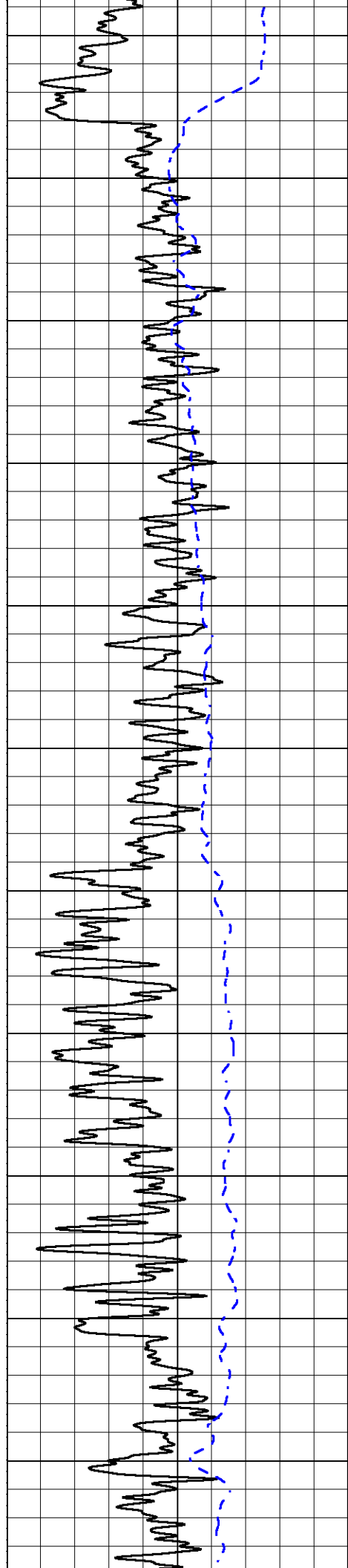
GAMMA RAY			1000 CONDUCTIVITY (mmho/m)			0
			15000 Line Tension (lb)			0
0	(GAPI)	200	0	RLL3 (Ohm-m)	100	
-200	SP (mV)	0	0	RILD (Ohm-m)	100	
			100	RLL3 (Ohm-m)	200	
			Deep Resistivity			
			100	(Ohm-m)	200	

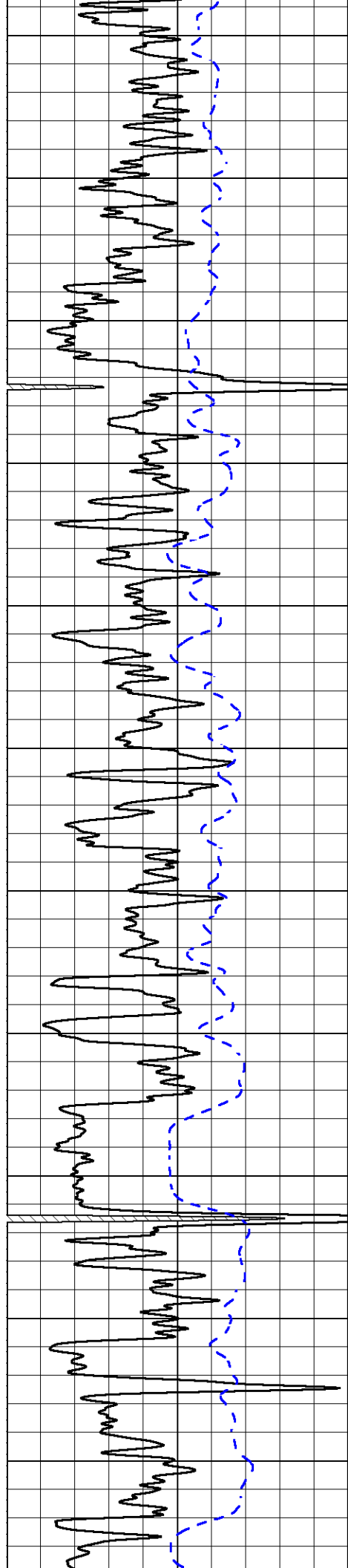












2750

2800

2850

2900

2950

3000

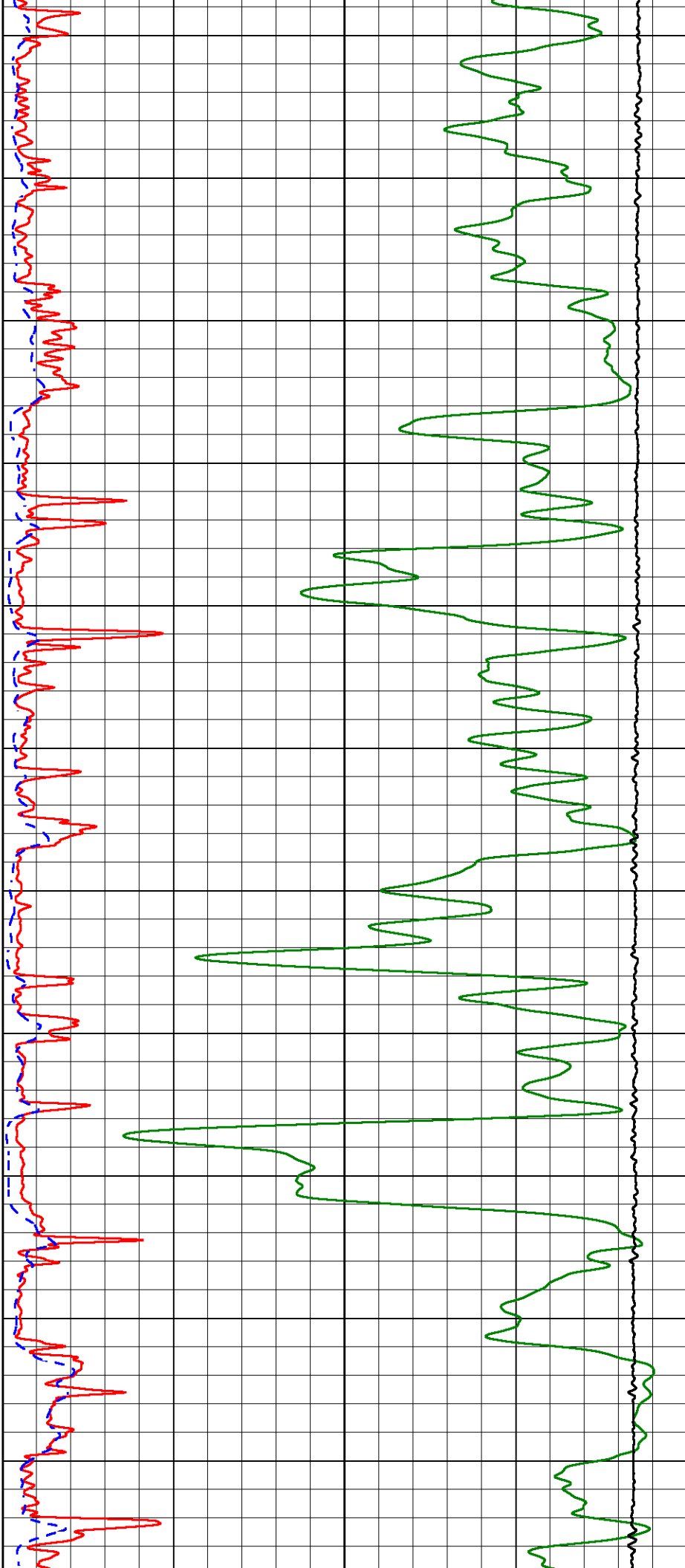
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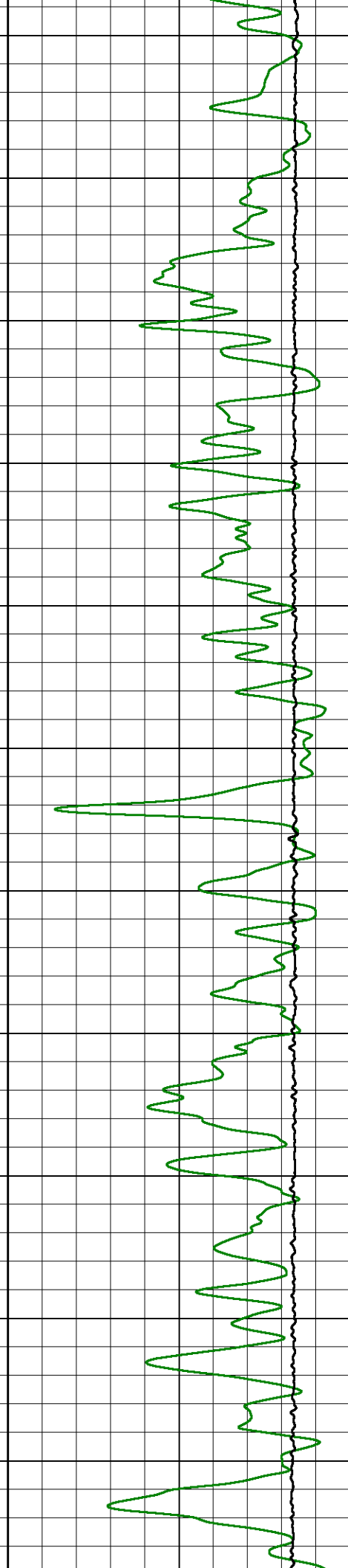
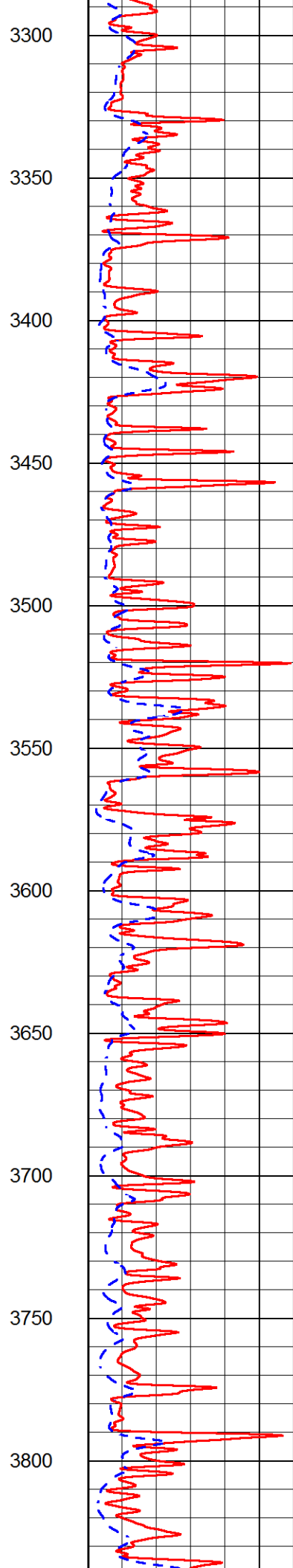
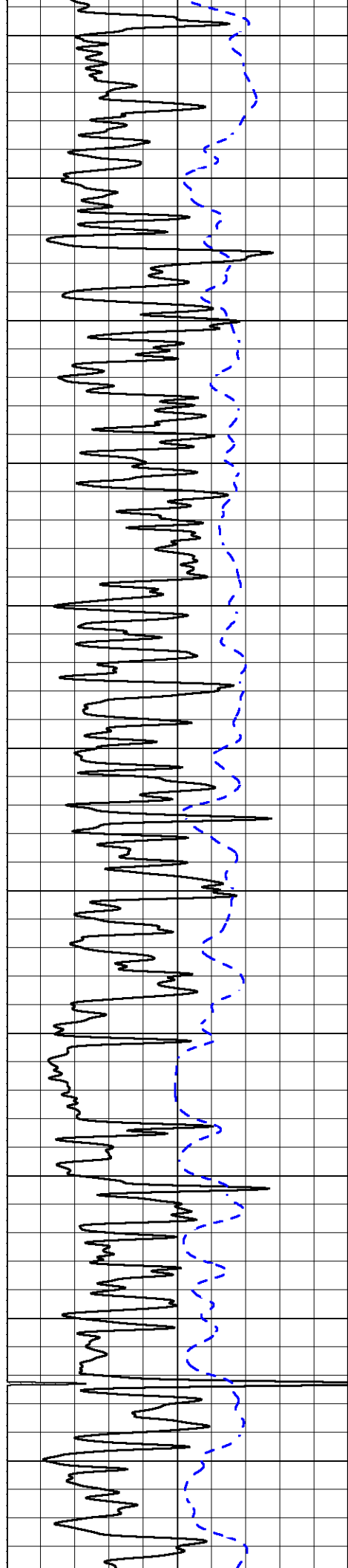
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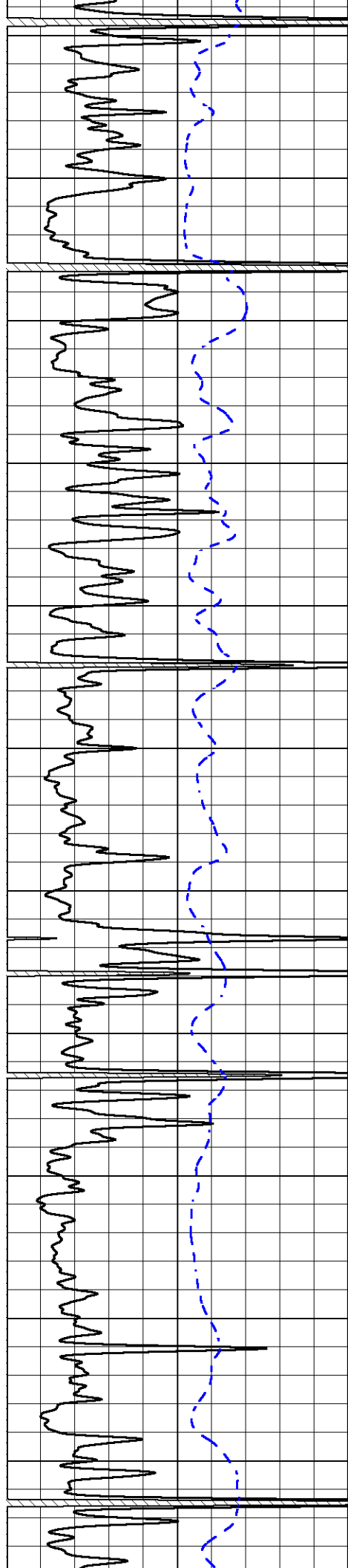
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3200

3250







3850

3900

3950

4000

4050

4100

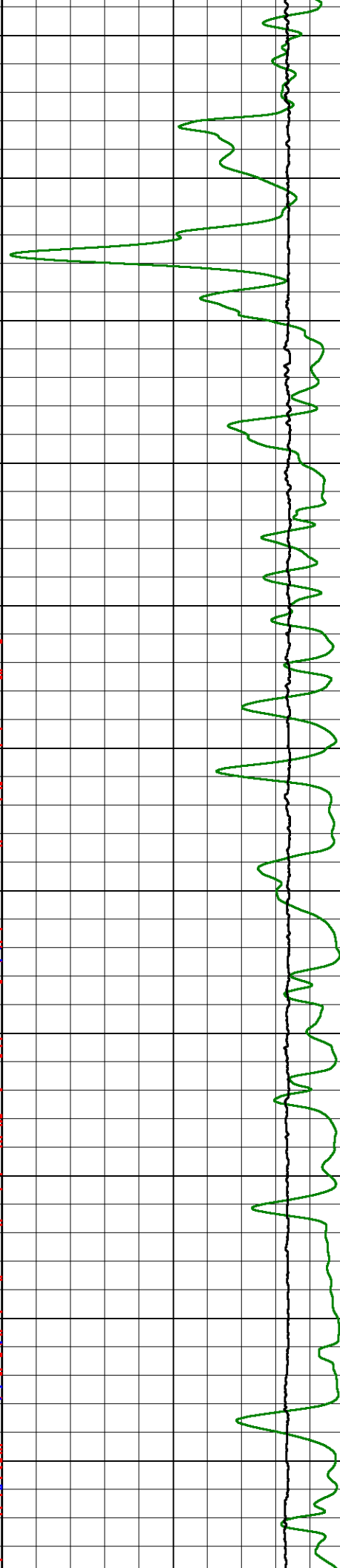
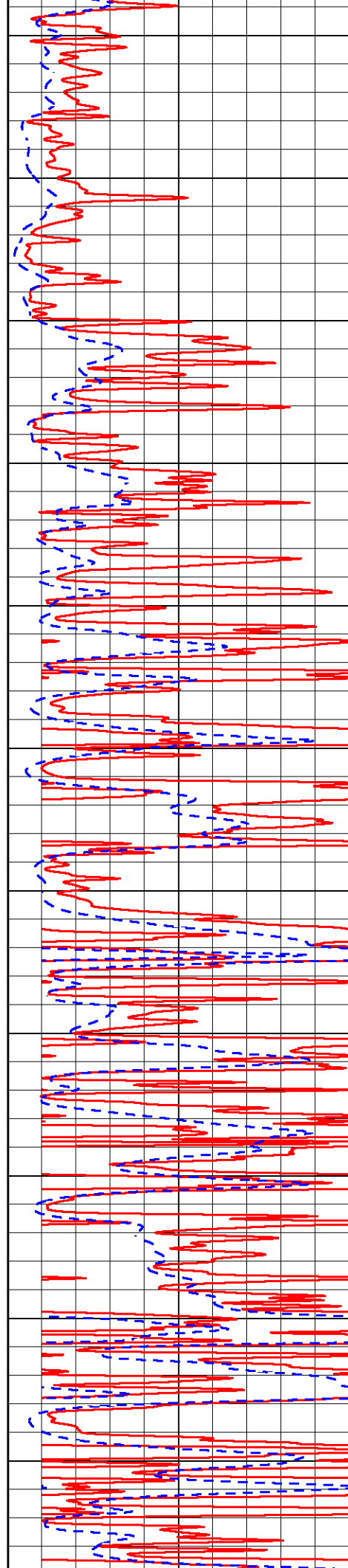
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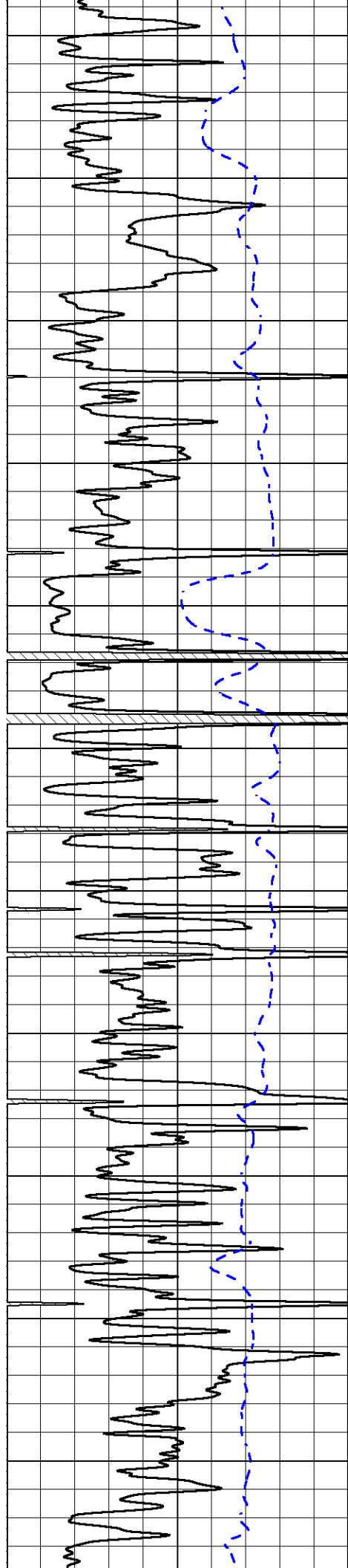
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4250

4300

4350





4400

4450

4500

4550

4600

4650

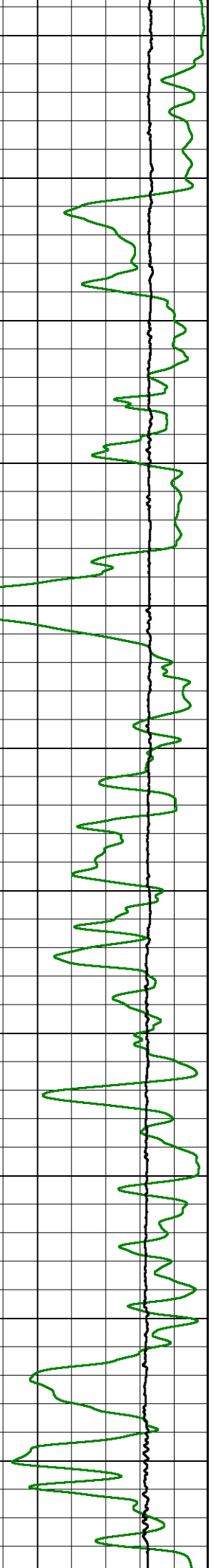
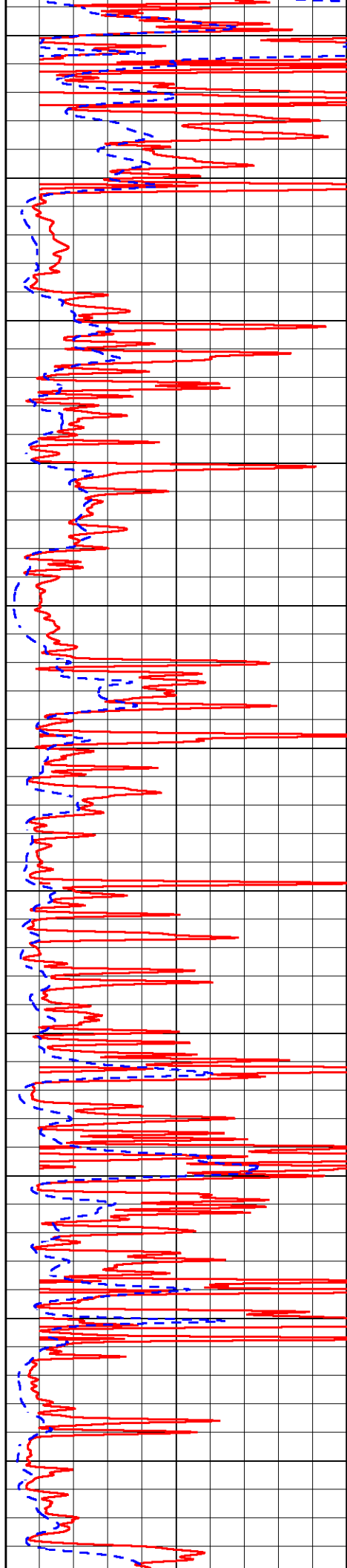
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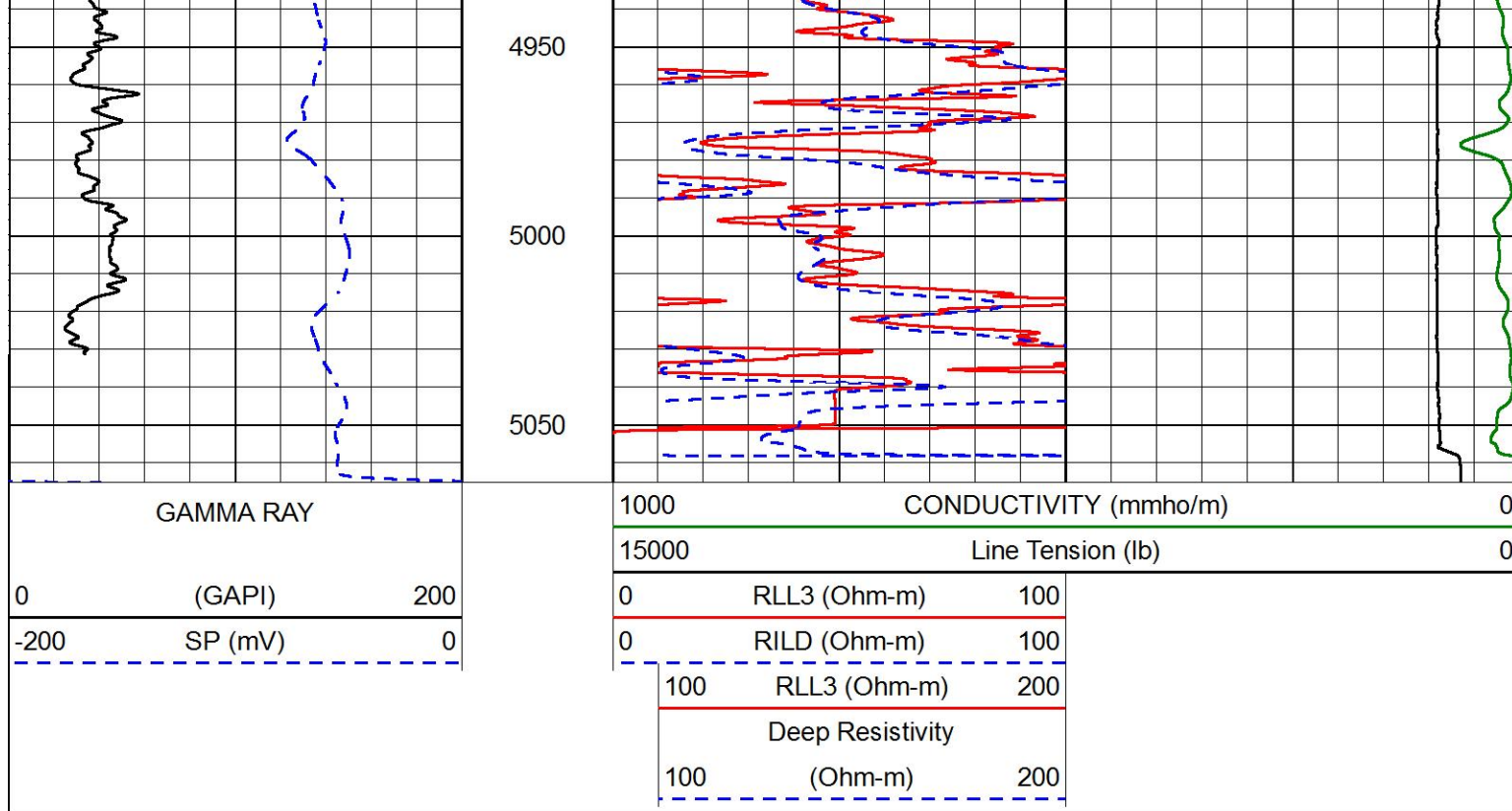
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4800

4850

4900





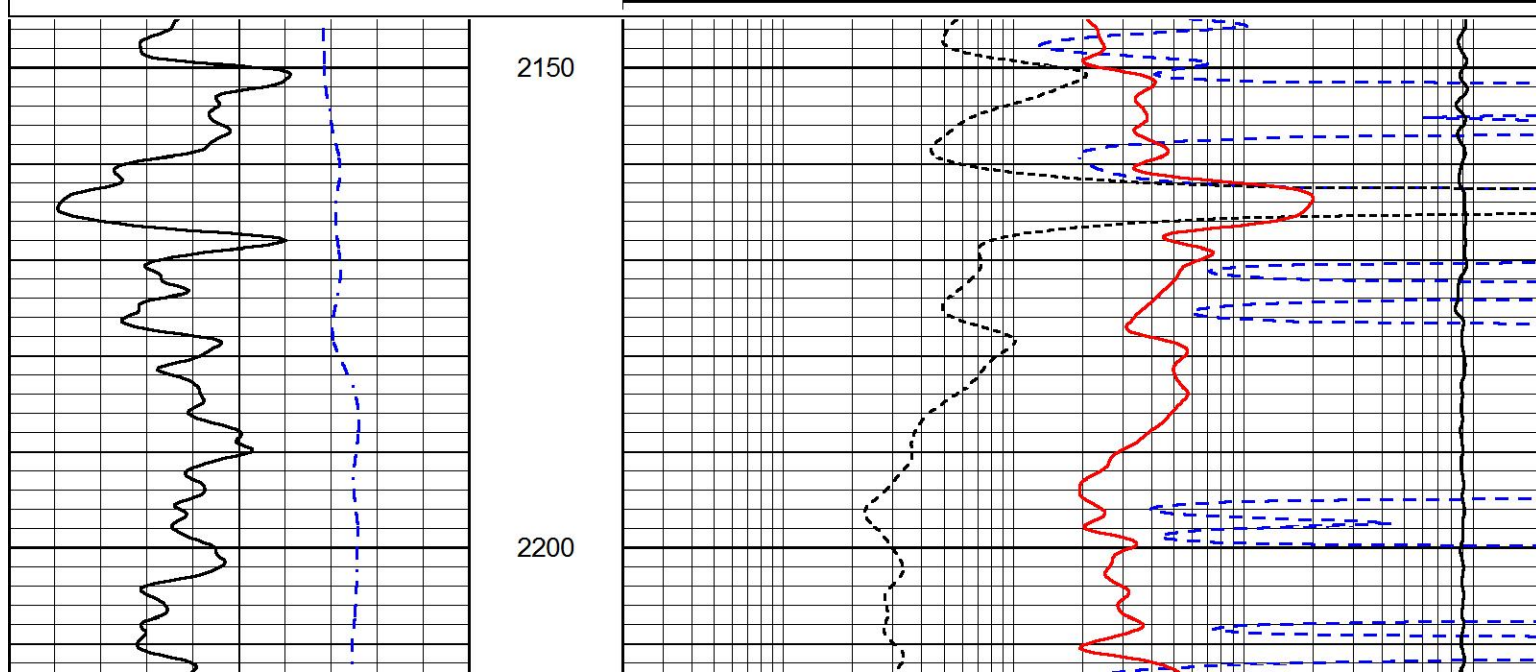


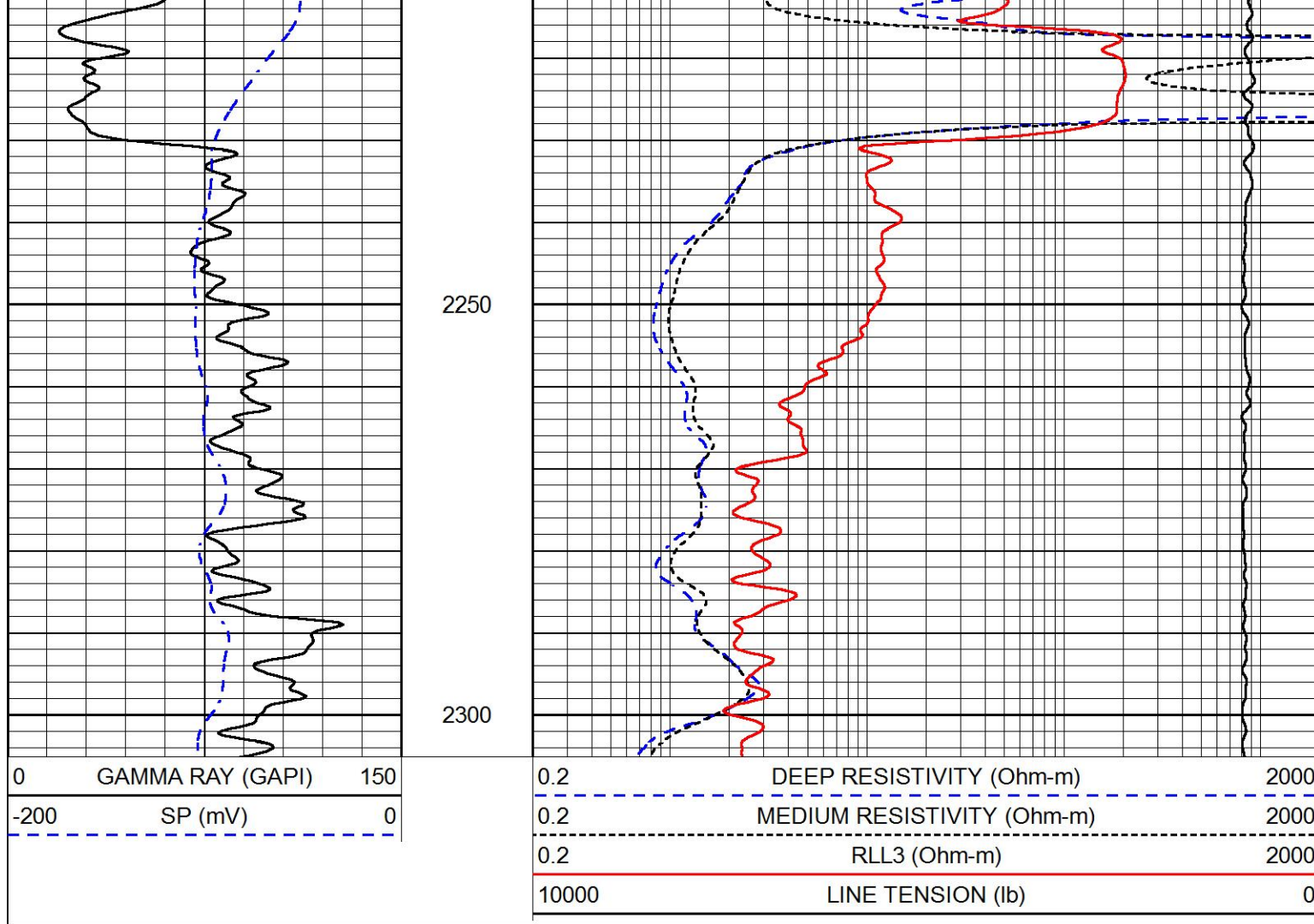
ANHYDRITE SECTION

MAIN PASS

Database File	berexco_fks unit 1-18.db
Dataset Pathname	stack/pass7.1
Presentation Format	_dil
Dataset Creation	Mon May 24 06:14:33 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0
0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0

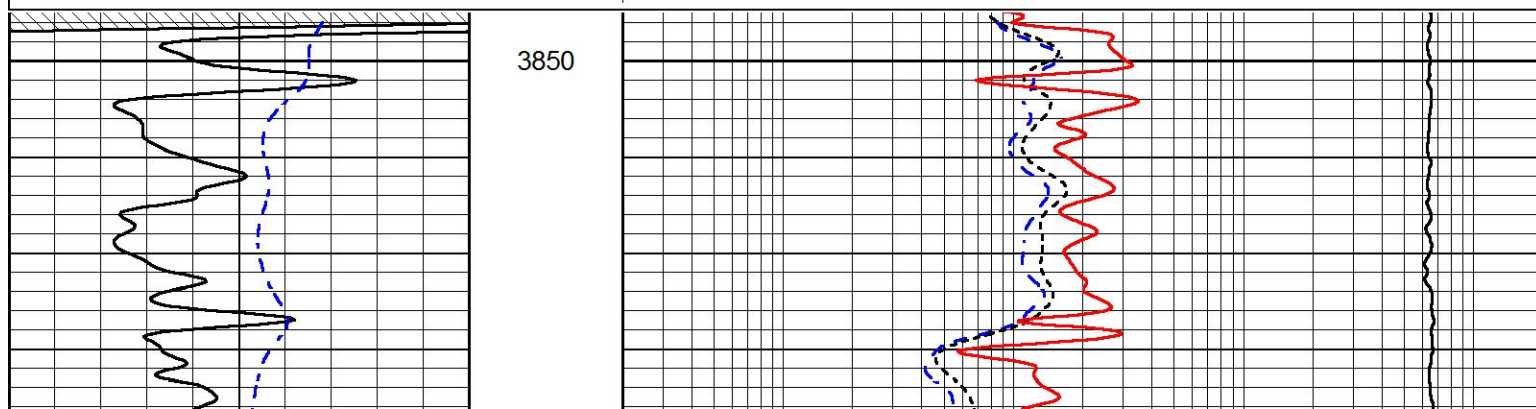
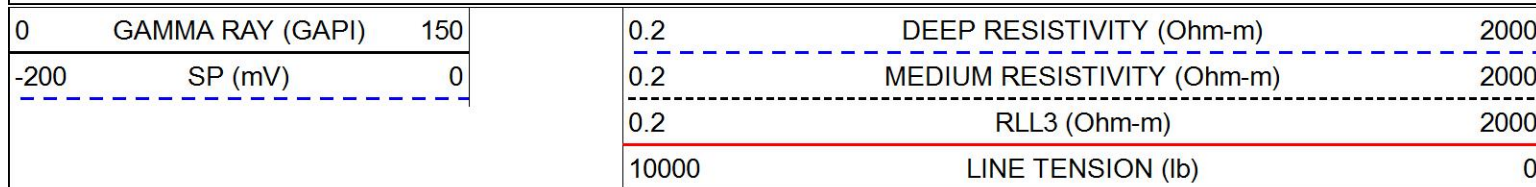


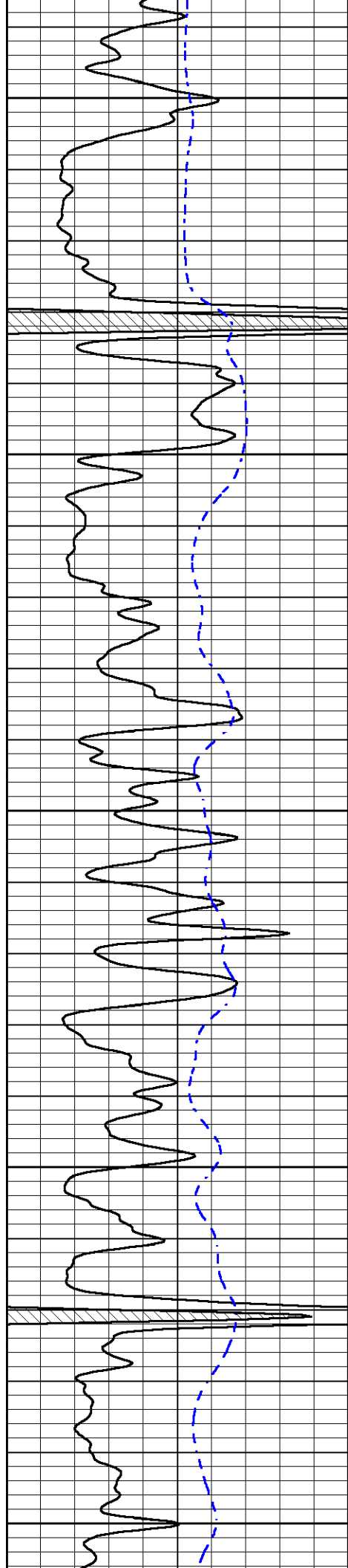


DETAIL SECTION

MAIN PASS

Database File berexco_fks unit 1-18.db
 Dataset Pathname stack/pass5.1
 Presentation Format _dil
 Dataset Creation Mon May 24 05:40:06 2021
 Charted by Depth in Feet scaled 1:240





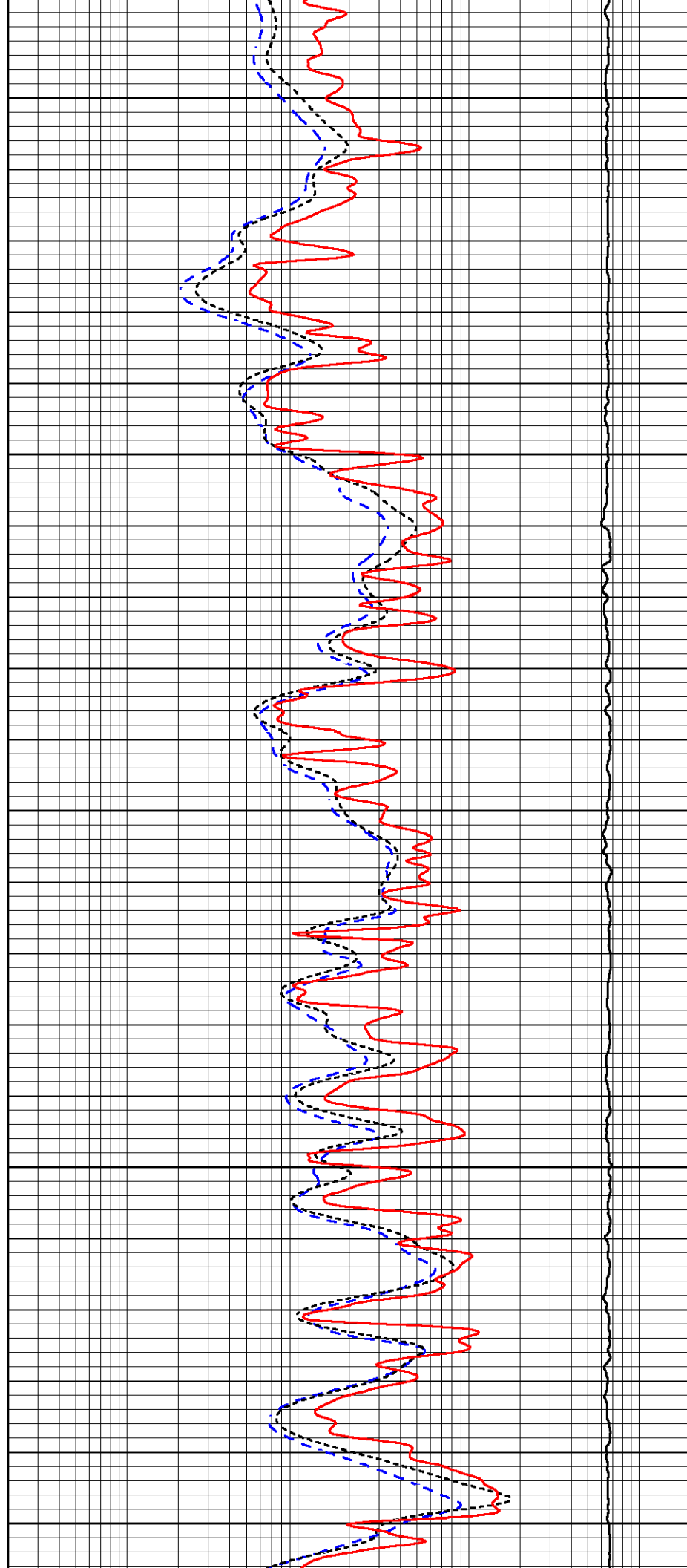
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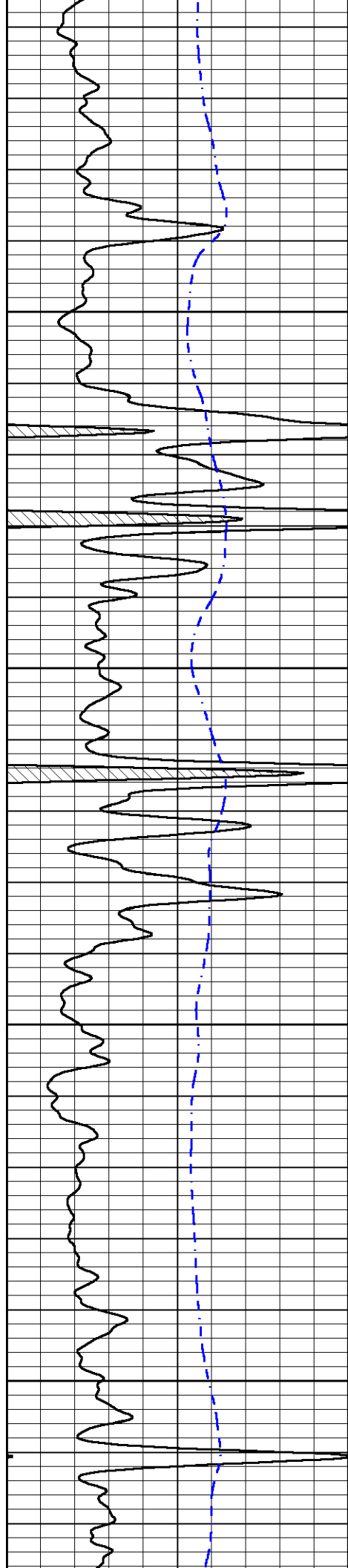
3950

4000

4050

4100



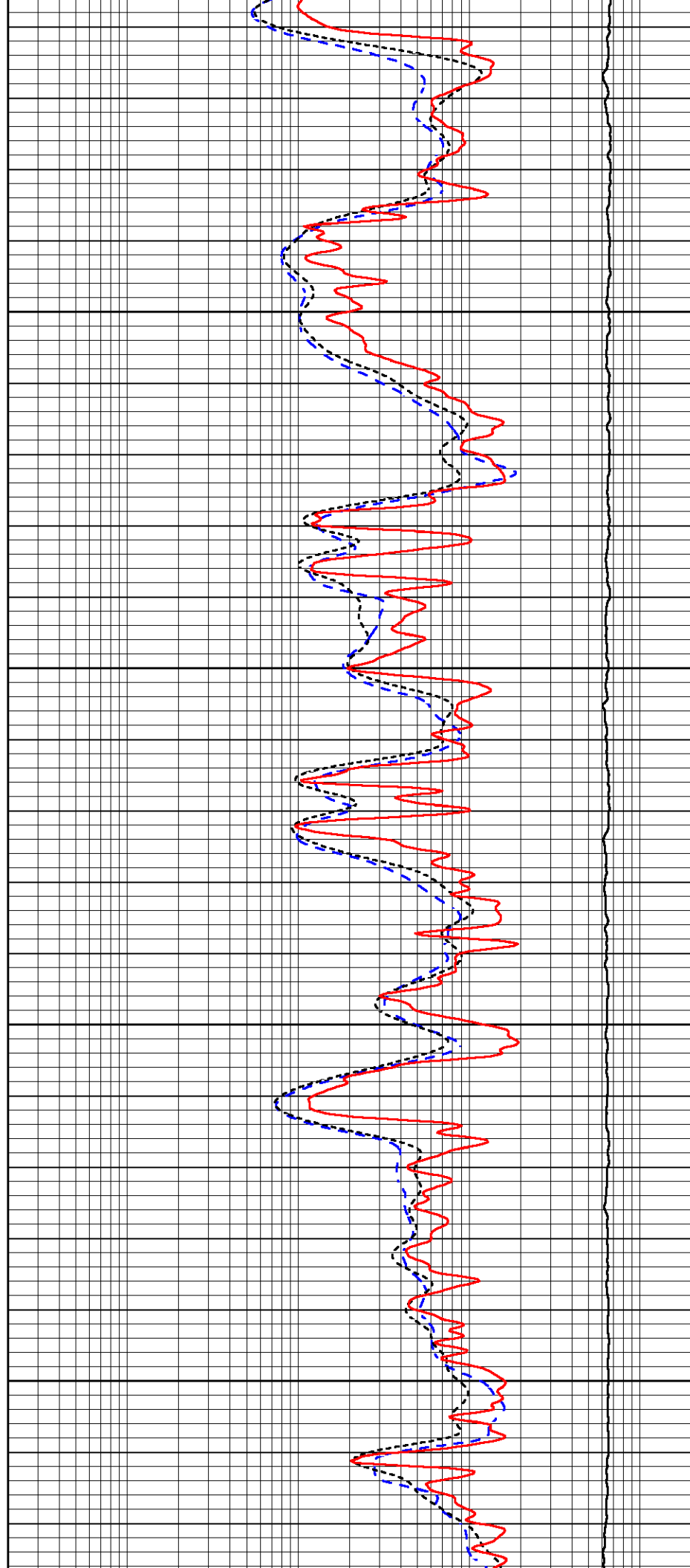


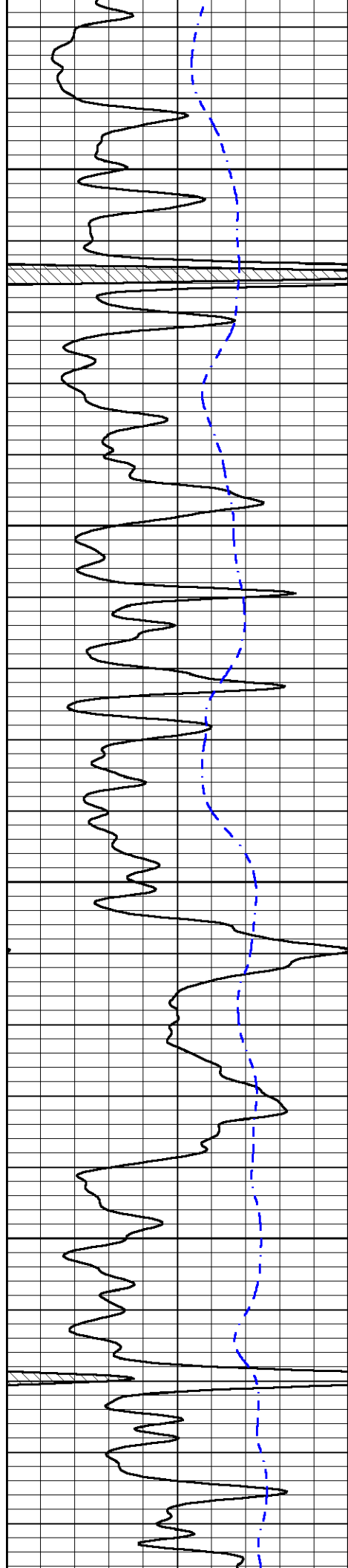
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4200

4250

4300



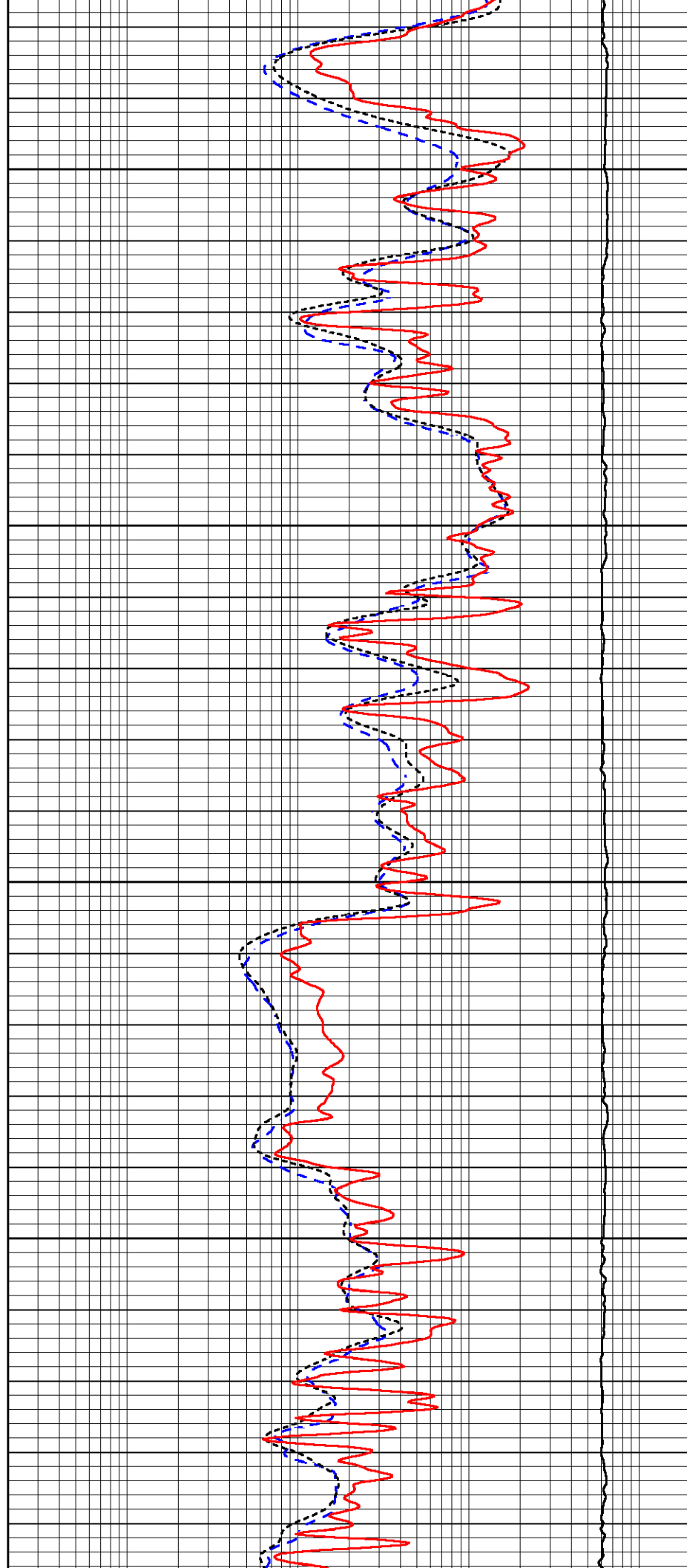


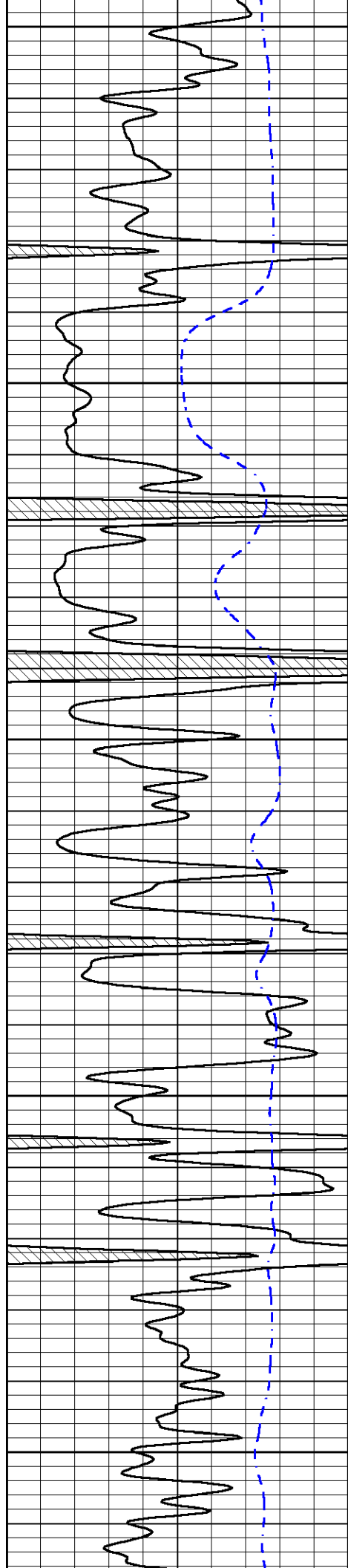
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4400

4450

4500





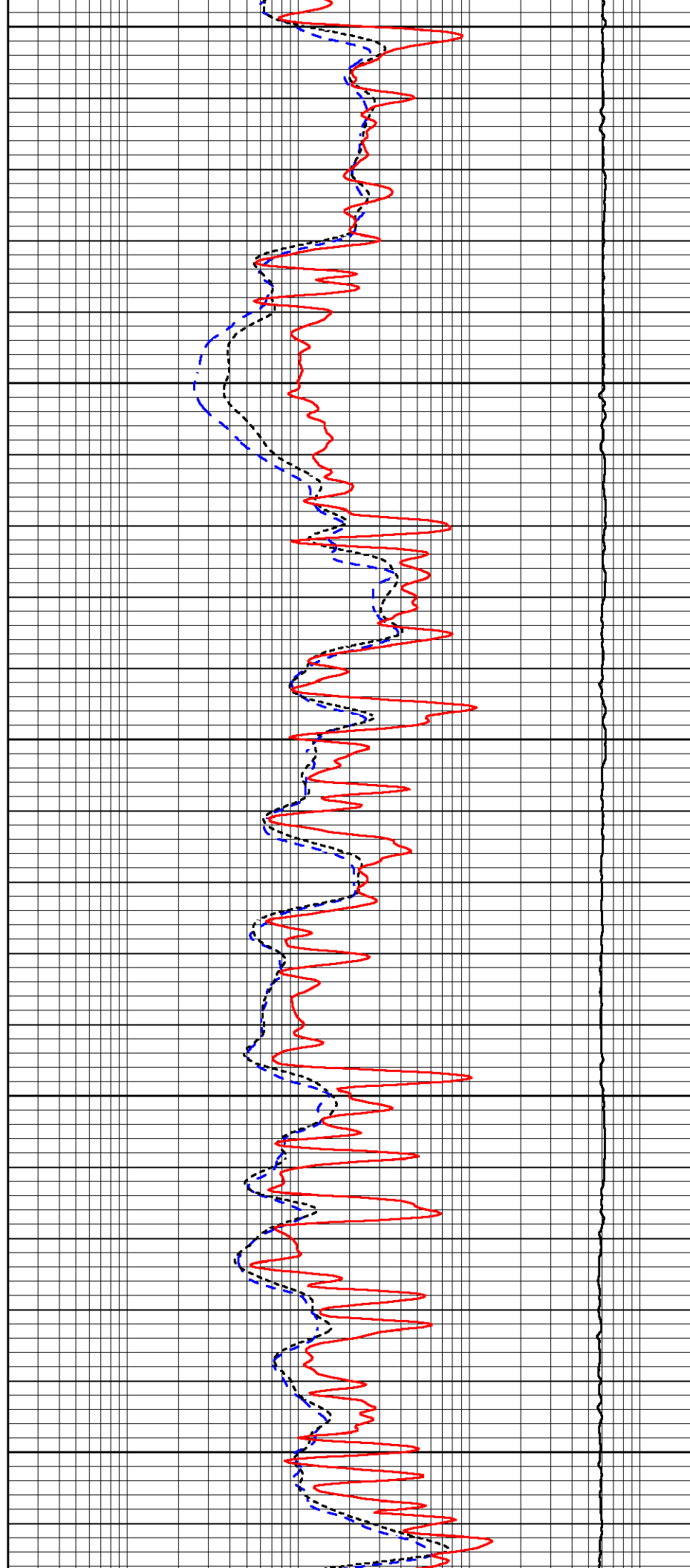
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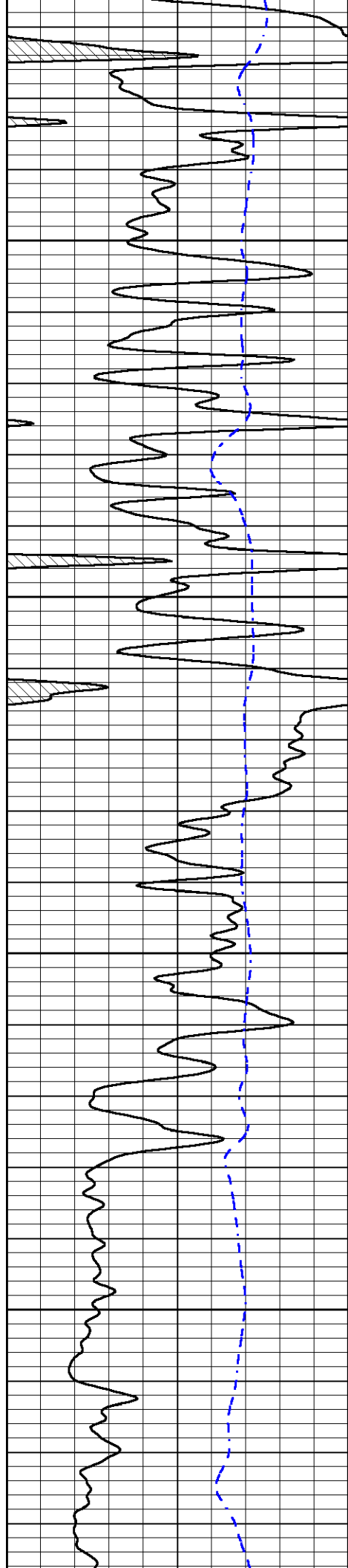
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4700

4750



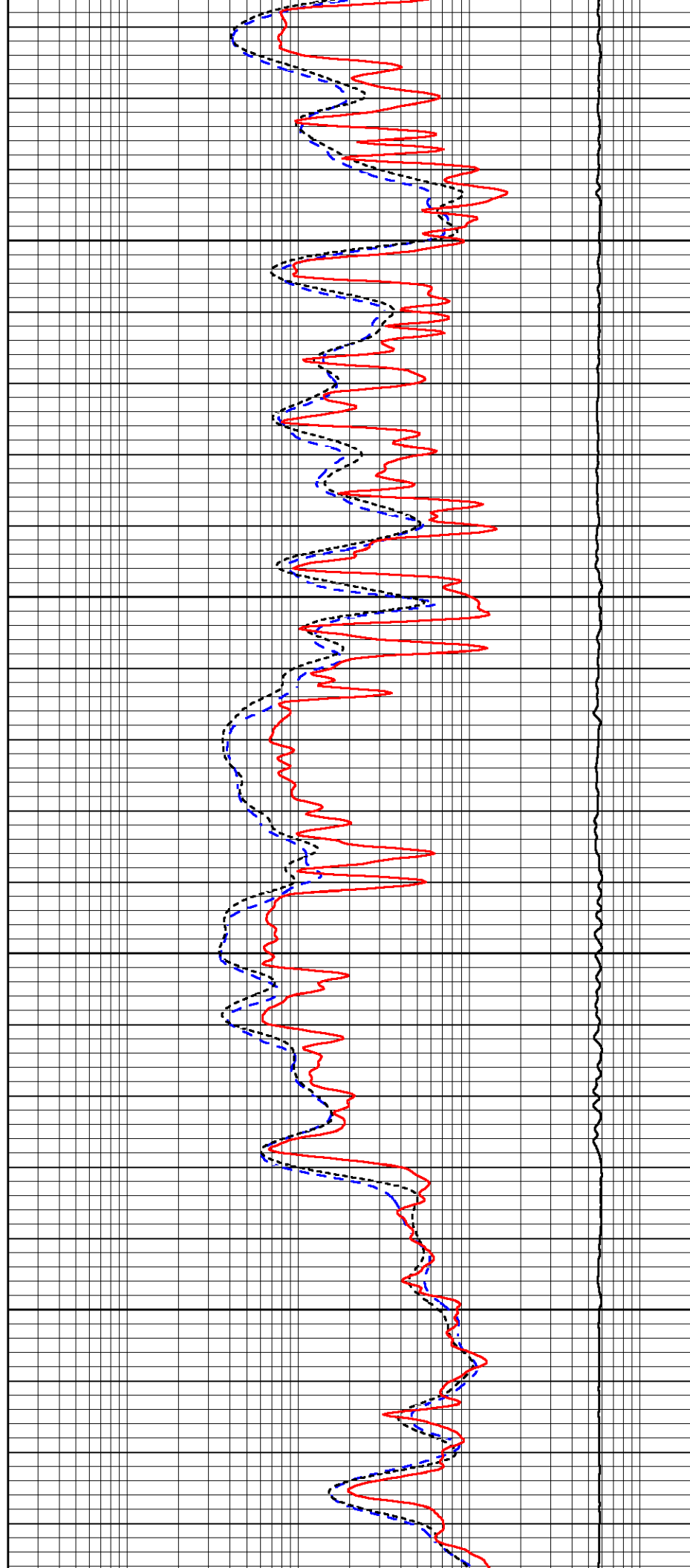


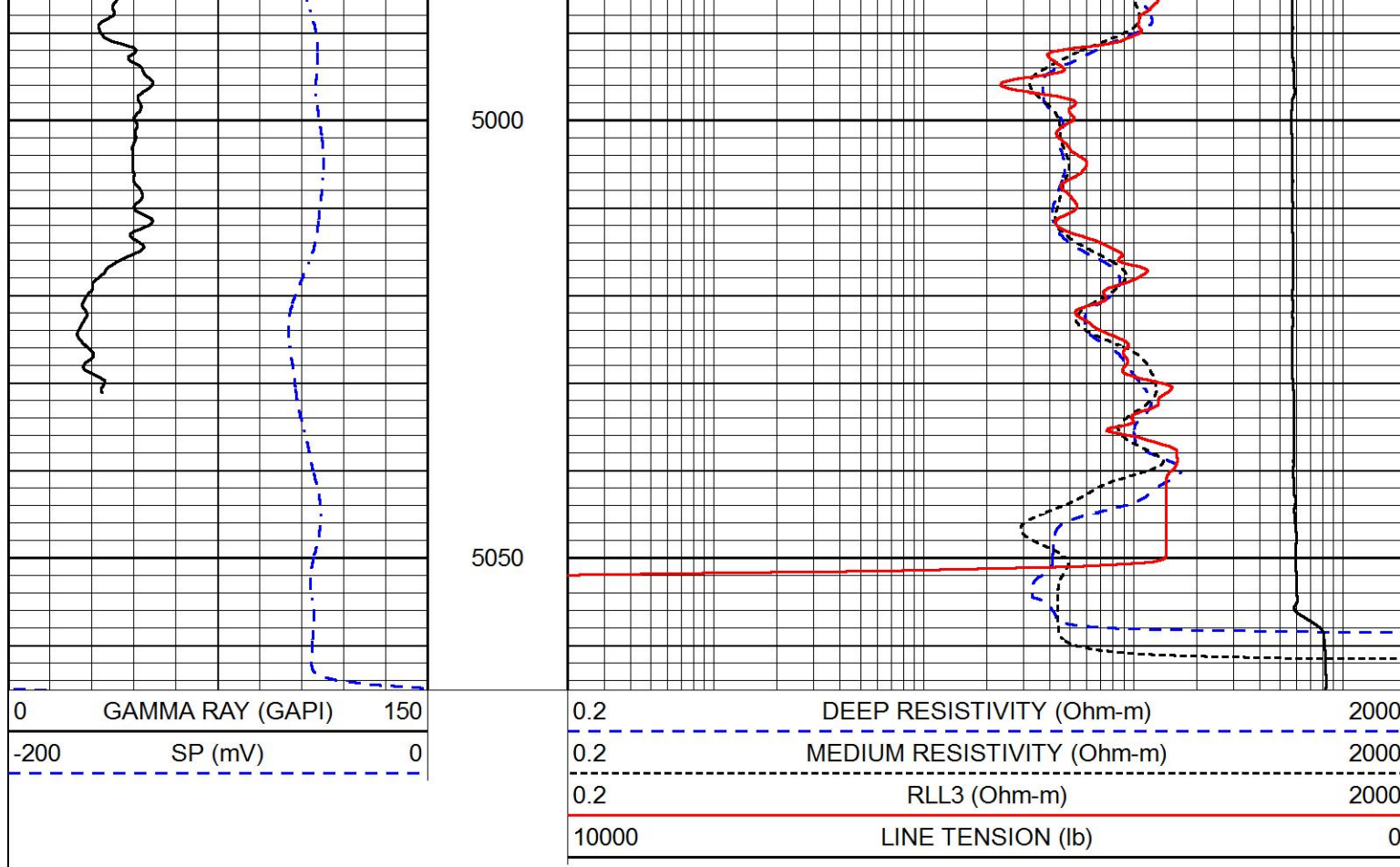
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4850

4900

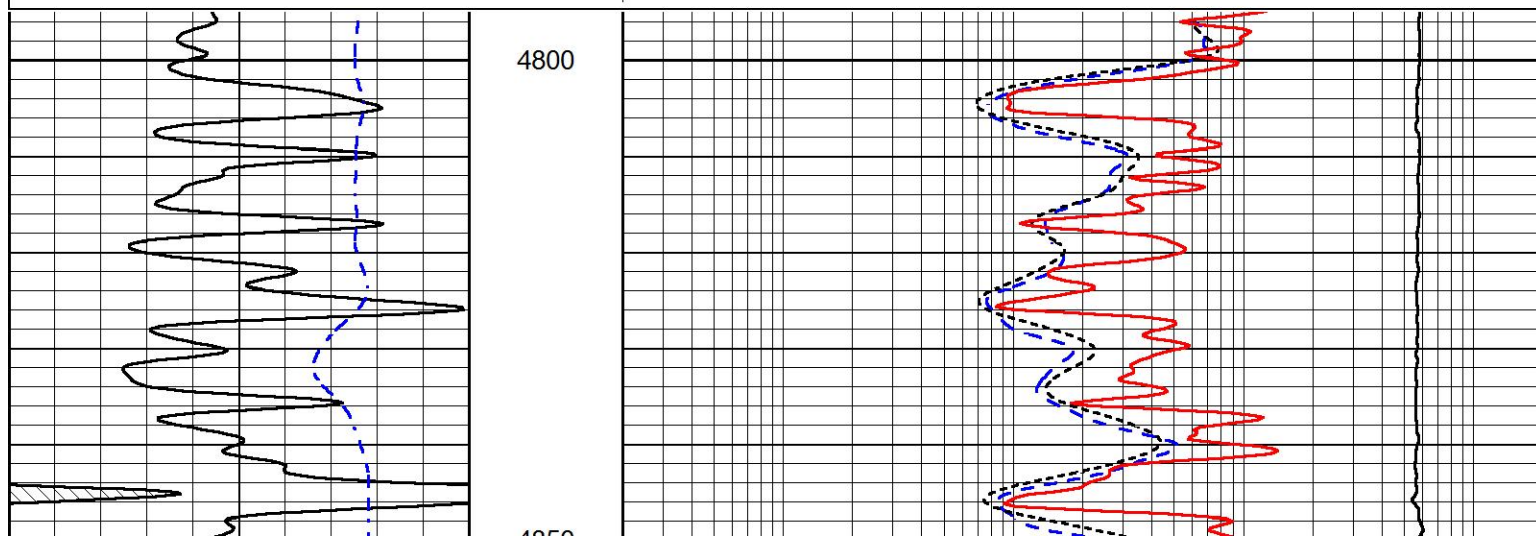
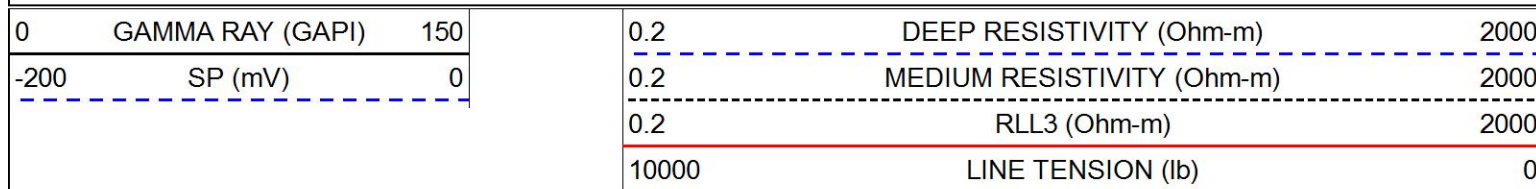
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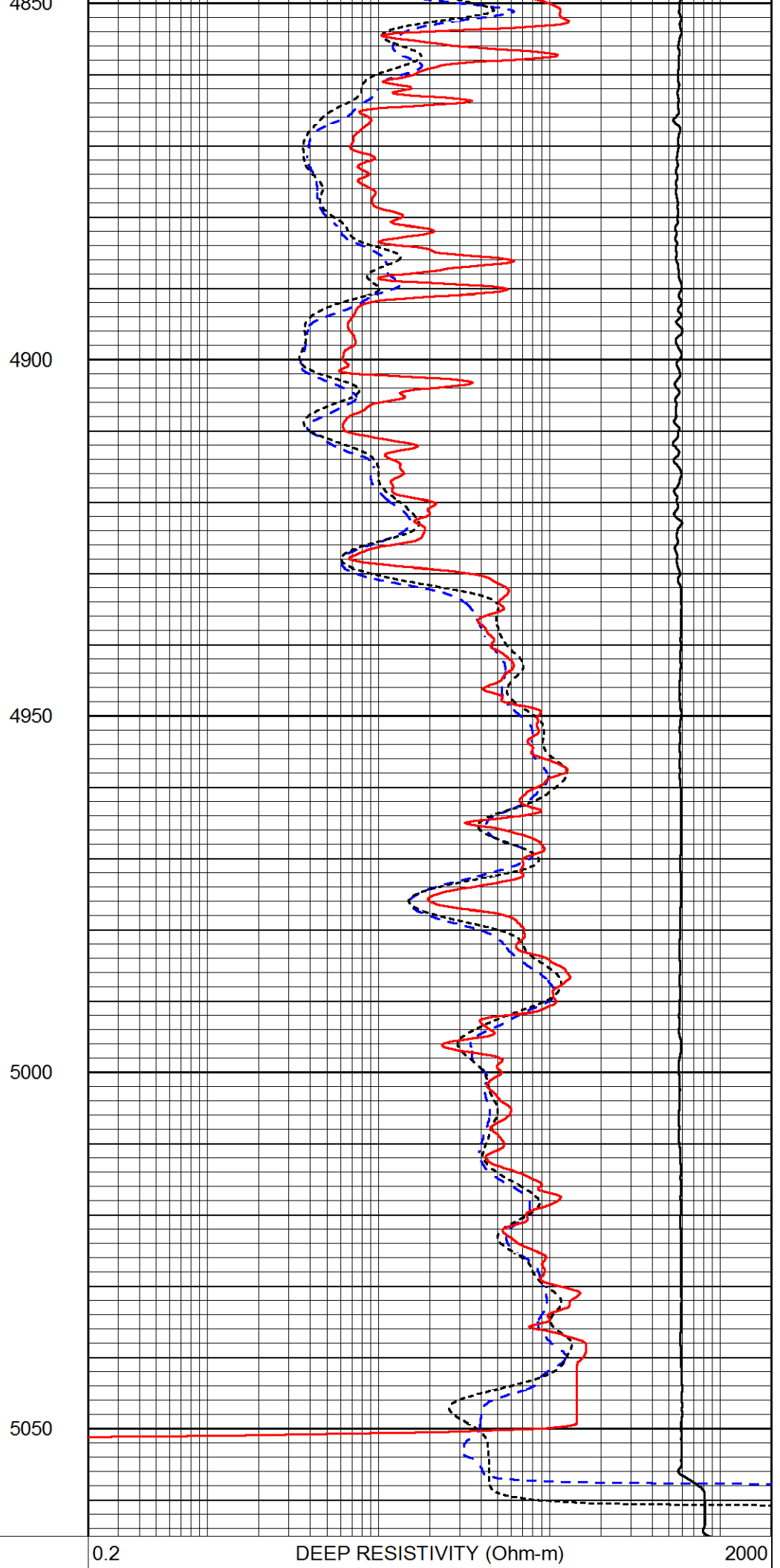
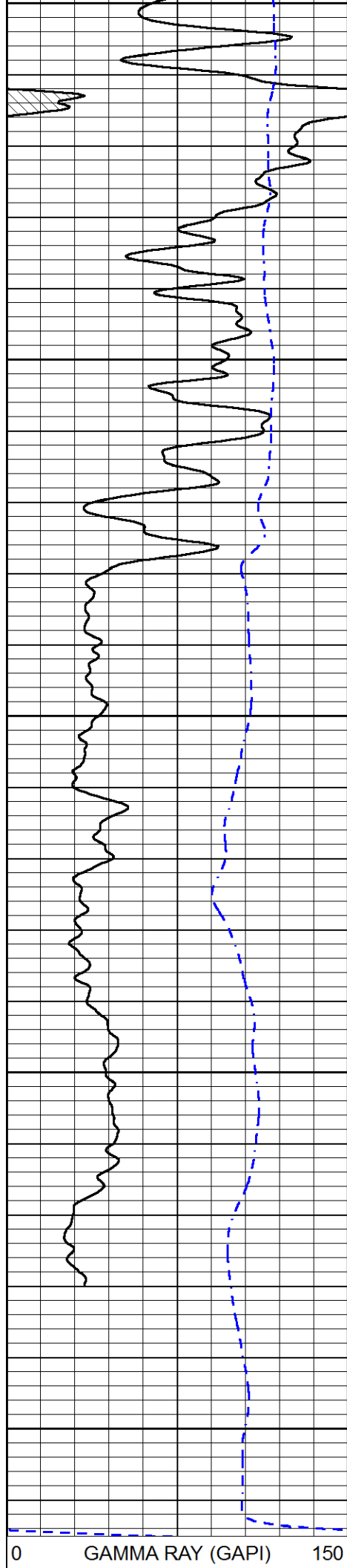




REPEAT SECTION

Database File berexco_fks unit 1-18.db
 Dataset Pathname stack/pass2.1
 Presentation Format _dil
 Dataset Creation Mon May 24 05:40:56 2021
 Charted by Depth in Feet scaled 1:240





-200	SP (mV)	0
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0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0

	Company	Berexco, LLC
	Well	FKS Unit #1-18
	Field	Unnamed
	County	Kearny
	State	Kansas