



DUAL INDUCTION LOG

MIDWEST WIRELINE

CompanyGriffin Management LLC		Company Griffin Management LLC	
Well	Palmer #1	Well	Palmer #1
Field	N/A	Field	N/A
County	Pratt	County	Pratt
State	Kansas	State	Kansas
Location: API #: 15-151-22531-00-00		Other Services	
SEC 33 TWP 29S RGE 15W		CNL/CDL MEL	
Permanent Datum	Ground Level	Elevation	1998
Log Measured From	Kelly Bushing	K.B.	2003
Drilling Measured From	Kelly Bushing	D.F.	1998
		G.L.	1998
Date	7/28/2021		
Run Number	One		
Depth Driller	4875		
Depth Logger	4874		
Bottom Logged Interval	4873		
Top Log Interval	250		
Casing Driller	8.625 @ 263		
Casing Logger	260		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity ,ppm CL	6000		
Density / Viscosity	9.4 55		
pH / Fluid Loss	10.5 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.8 @ 74		
Rmf @ Meas. Temp	0.6 @ 74		
Rmc @ Meas. Temp	1.08 @ 74		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	047 @ 125		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	125		
Equipment Number	P-24		
Location	HAYS		
Recorded By	T. Martin		
Witnessed By	Eli Felts		

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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.

Pratt, ~14 W to Croft blacktop(140th), 9.5 S to SW 110th,
1 E to SW 130th, 1/2 S, E into

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Eli Felts
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58			GR-M&W (233-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73			CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93			CDL-M&W (934-226)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83			ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
RLL3F RLL3	15.80 15.80			DIL-PSI HIGH TEMP (952-828)	18.50	3.50	220.00
CILD	8.00						
CILM	4.70						
SP	0.20						
Dataset: griffin_palmer #1.db: field/well/StkMI/pass3.1 Total length: 43.08 ft Total weight: 685.00 lb O.D.: 4.00 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_palmer #1.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 125	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 135	degF 80	Off	ft 4874

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

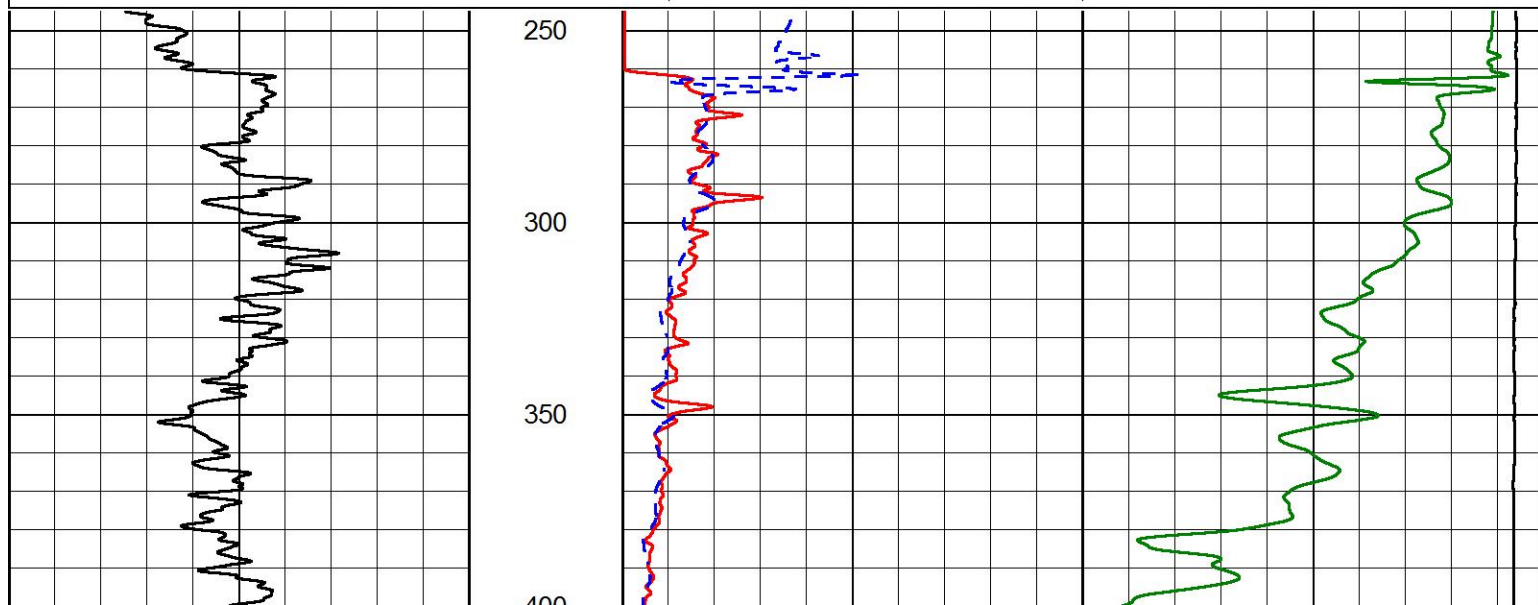


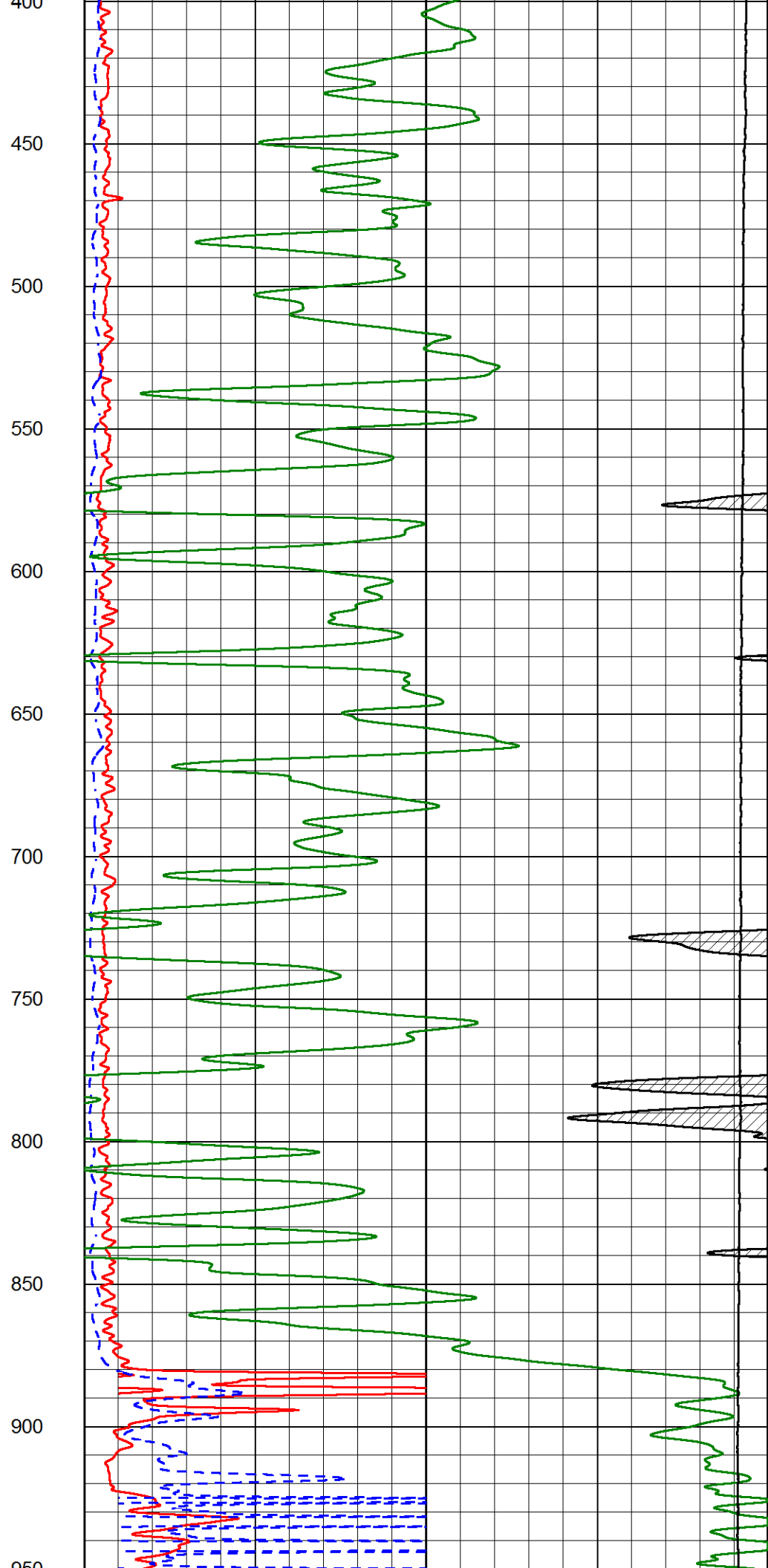
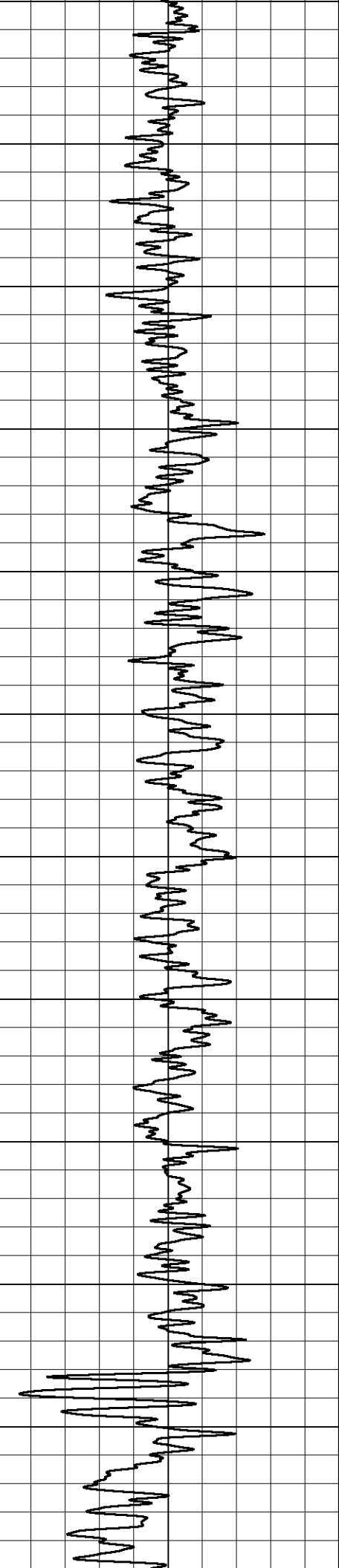
2" SCALE RESISTIVITY

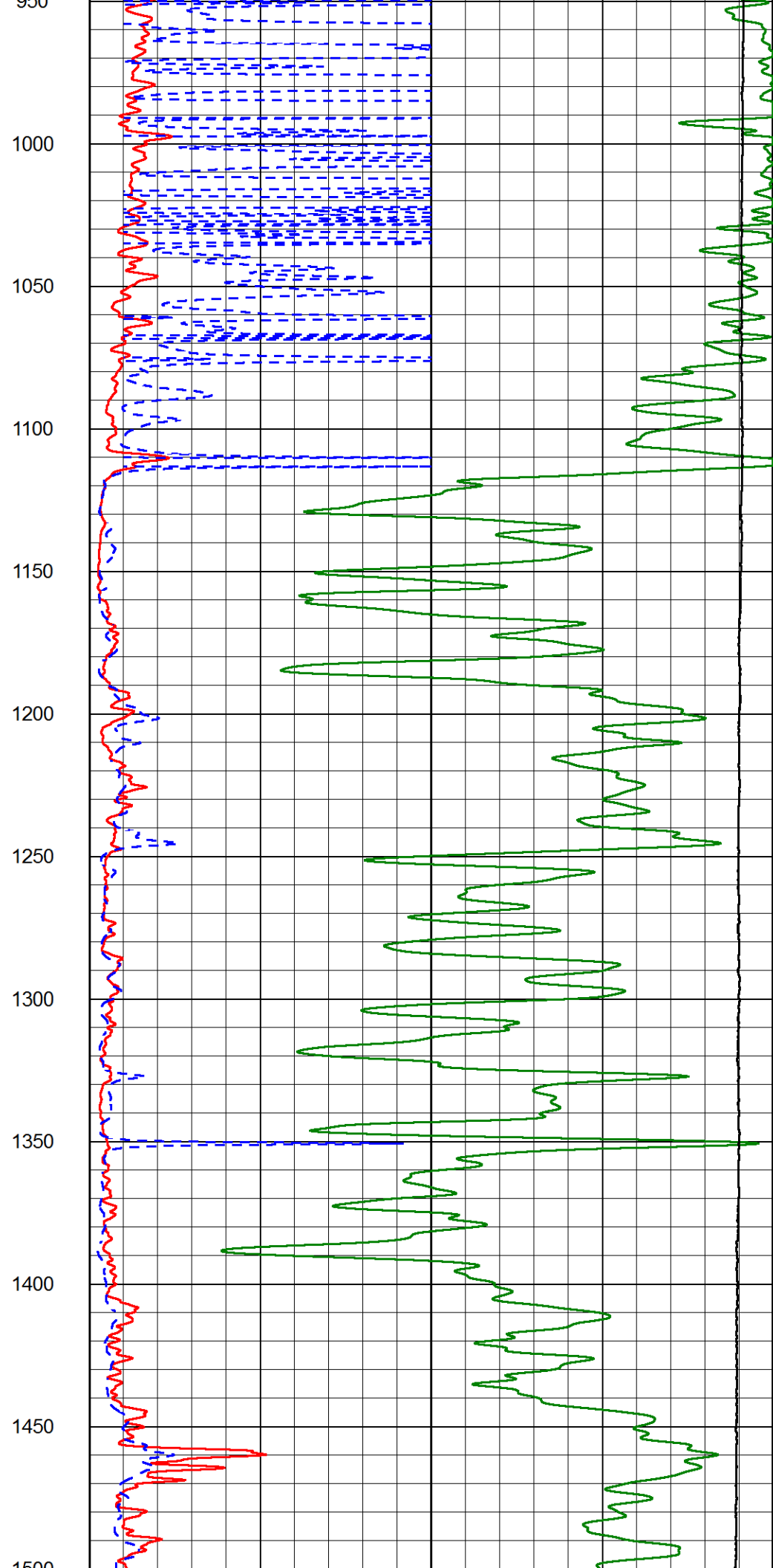
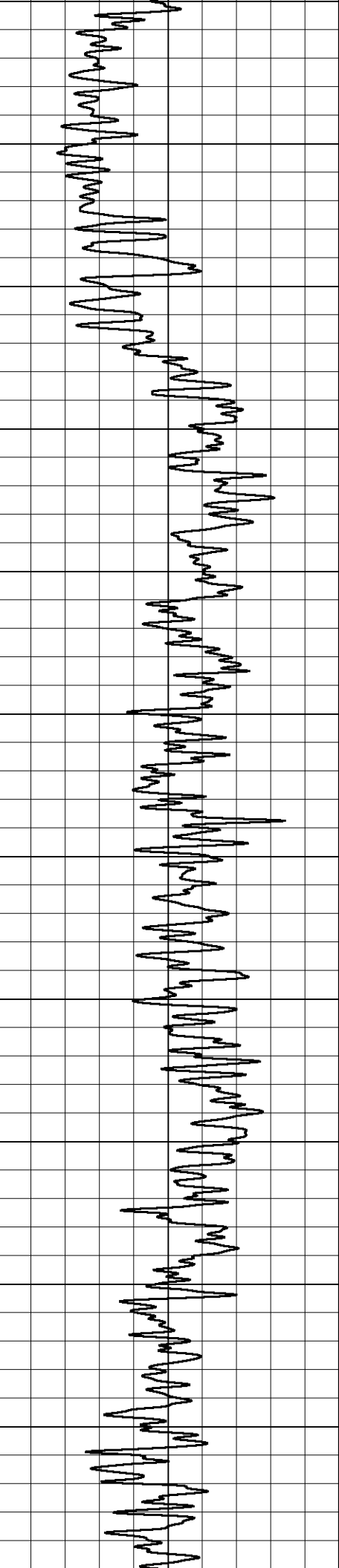
MAIN PASS

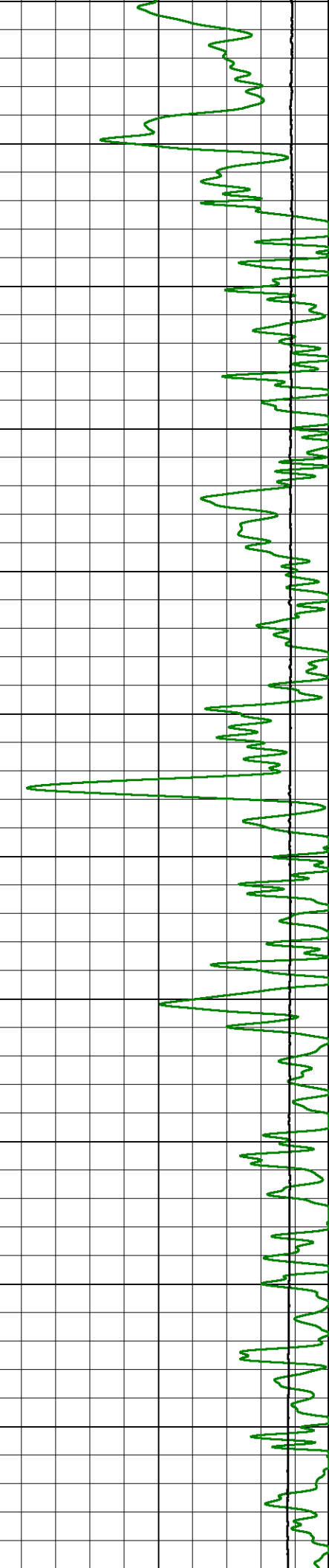
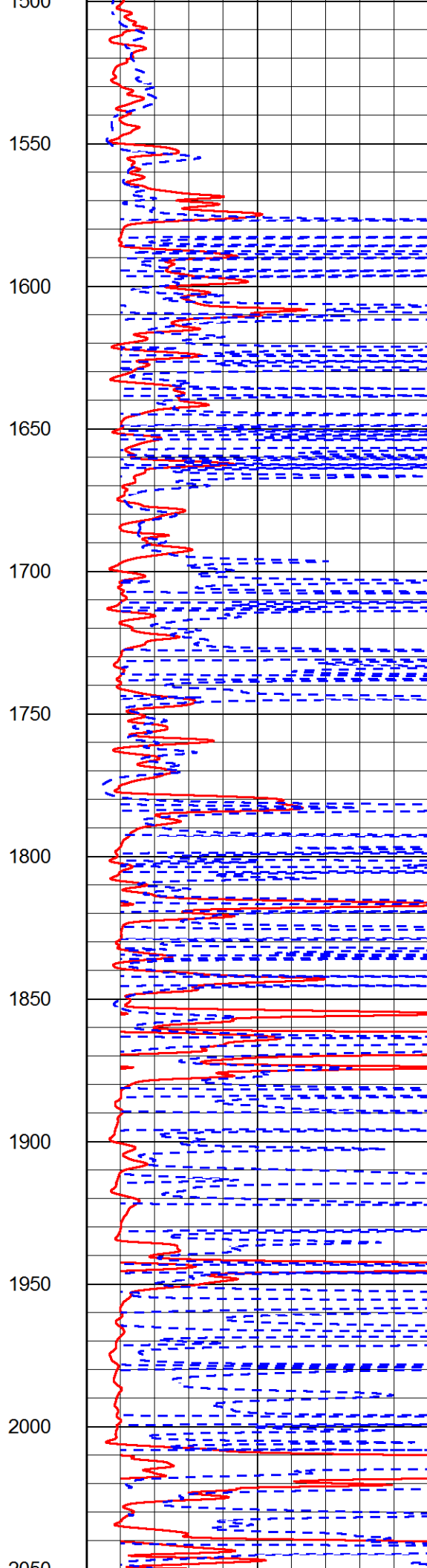
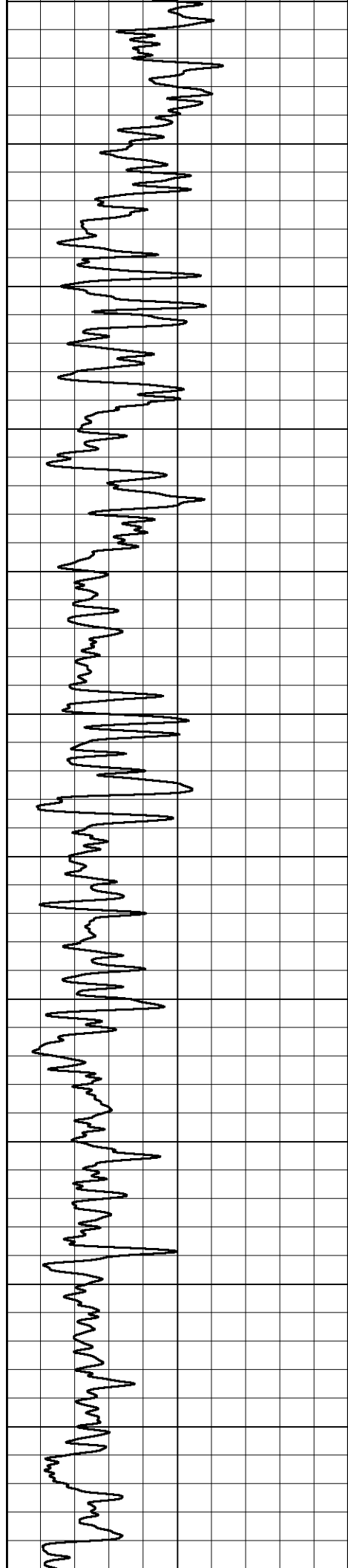
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Dataset Pathname StkMI/pass3.2
Presentation Format _dil2in
Dataset Creation Wed Jul 28 06:00:12 2021
Charted by Depth in Feet scaled 1:600

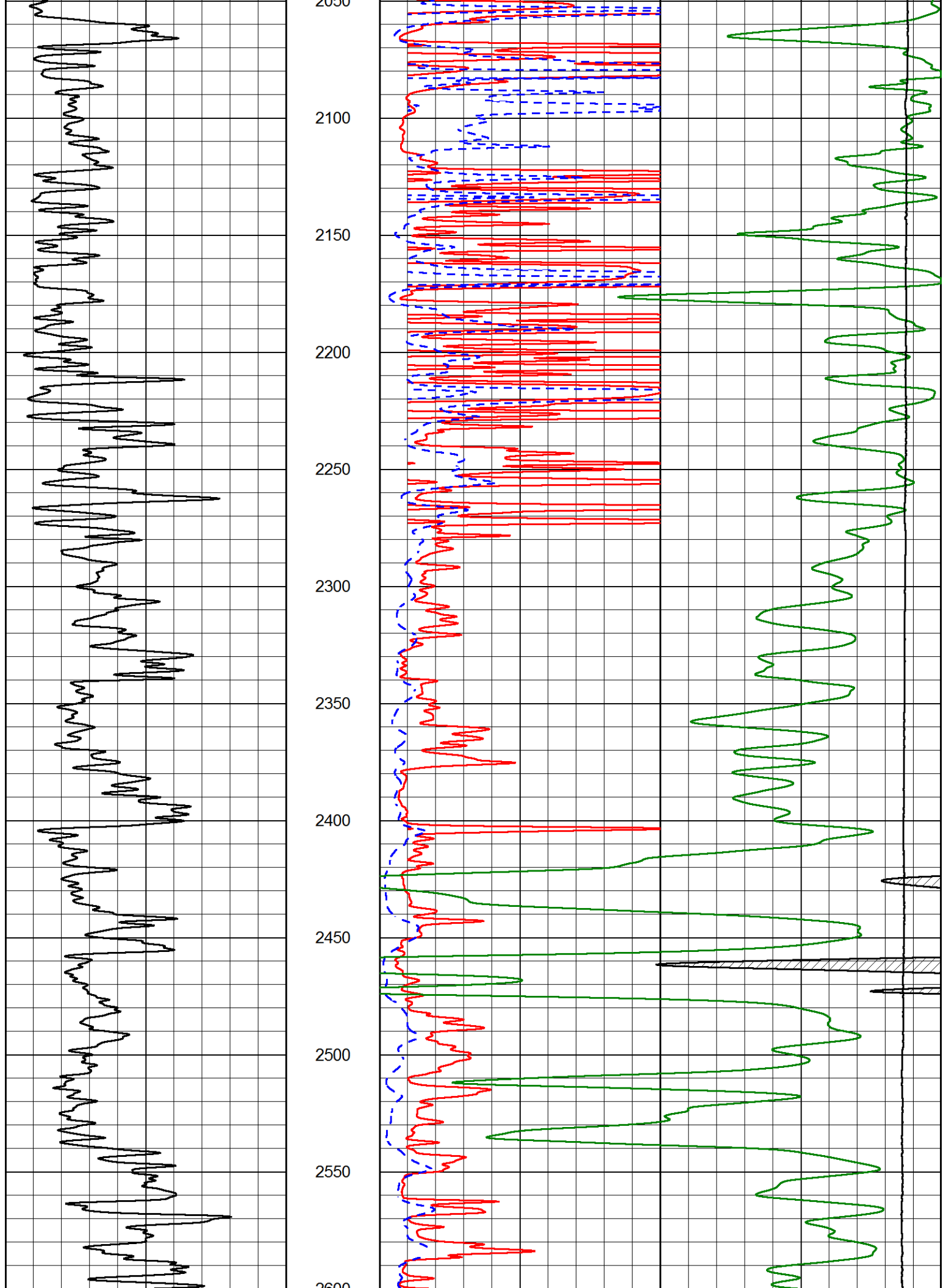
GAMMA RAY		1000	CONDUCTIVITY (mmho/m)		0
		15000	Line Tension (lb)		0
0	(GAPI)	150	0	RLL3 (Ohm-m)	50
			0	RILD (Ohm-m)	50
			50	RLL3 (Ohm-m)	200
			50	Deep Resistivity (Ohm-m)	200

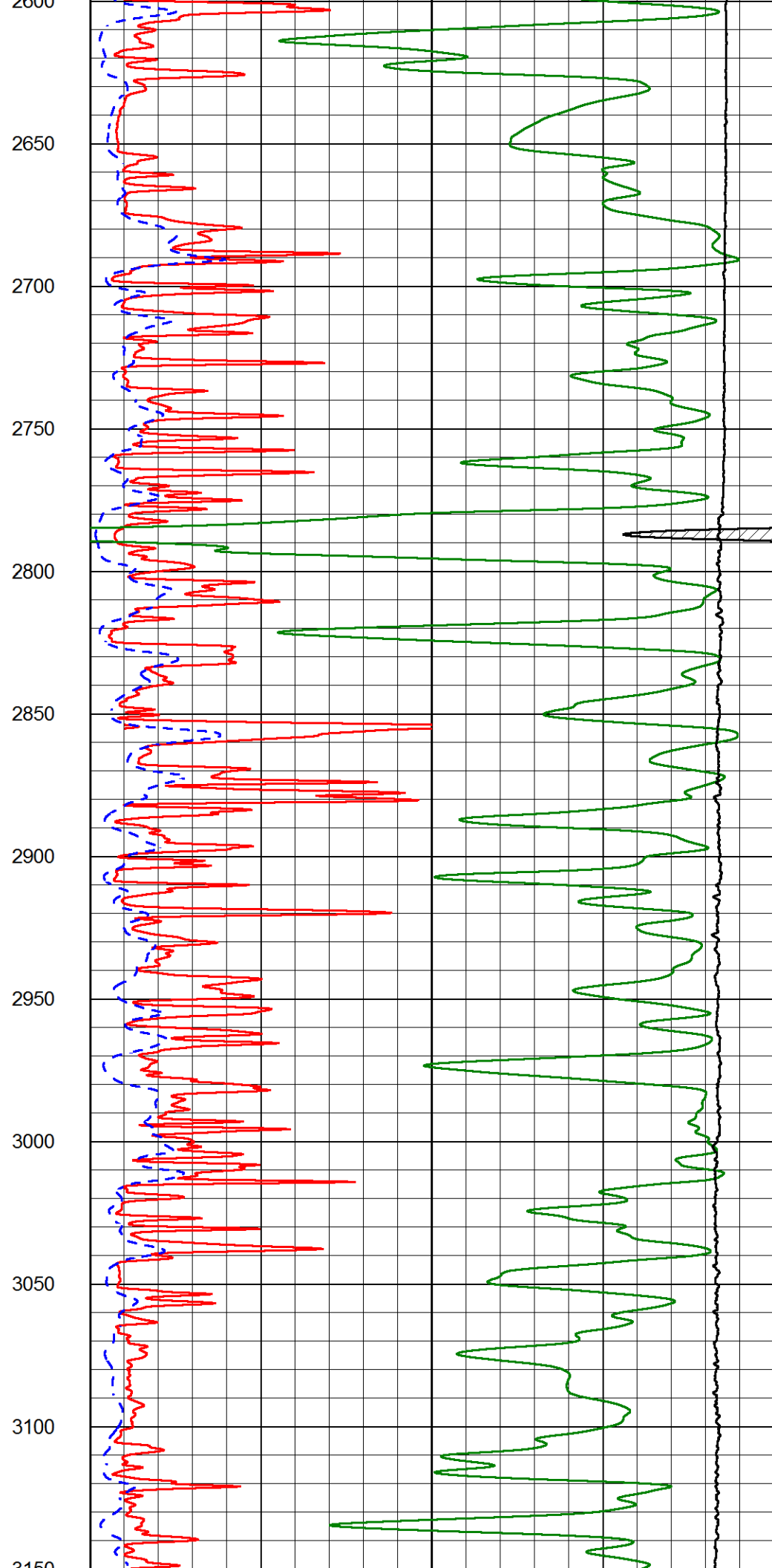
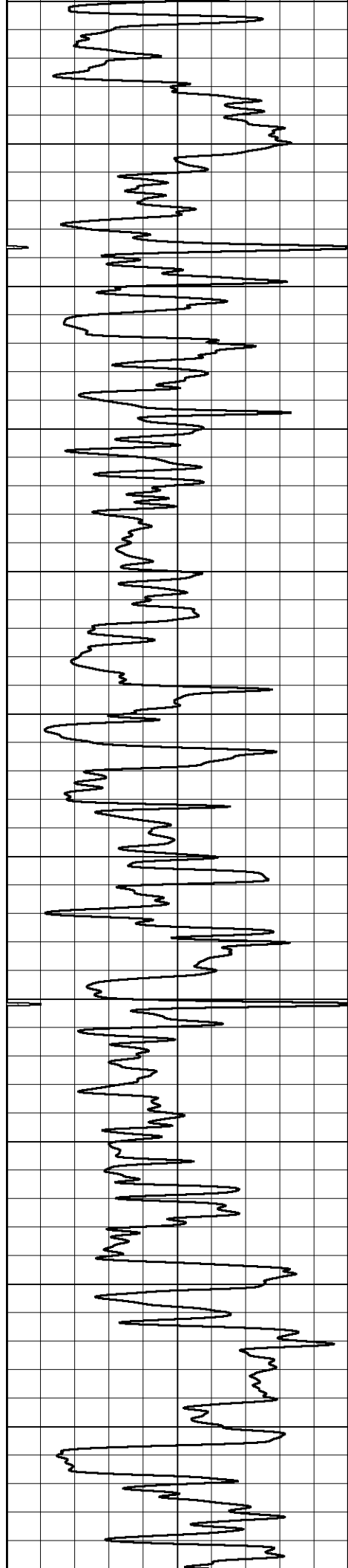


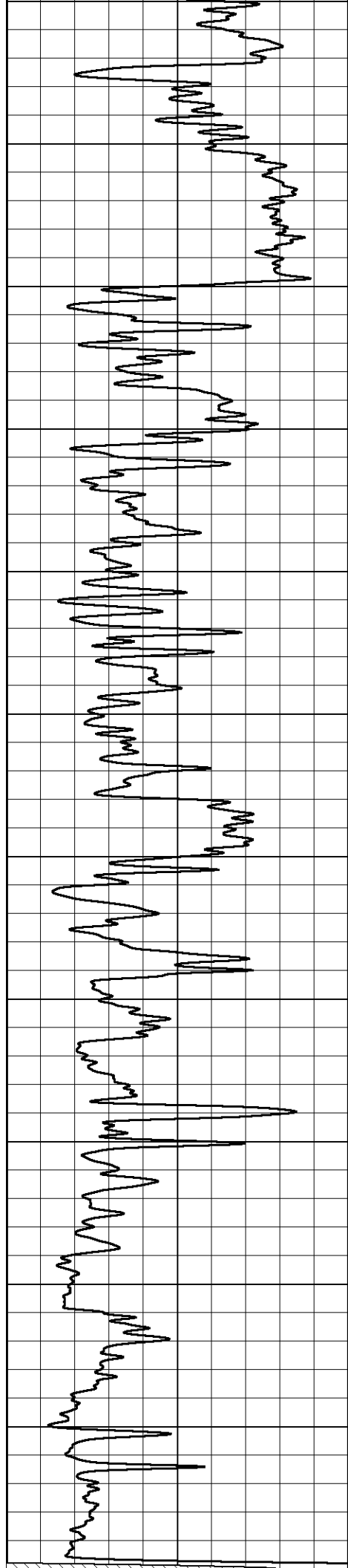




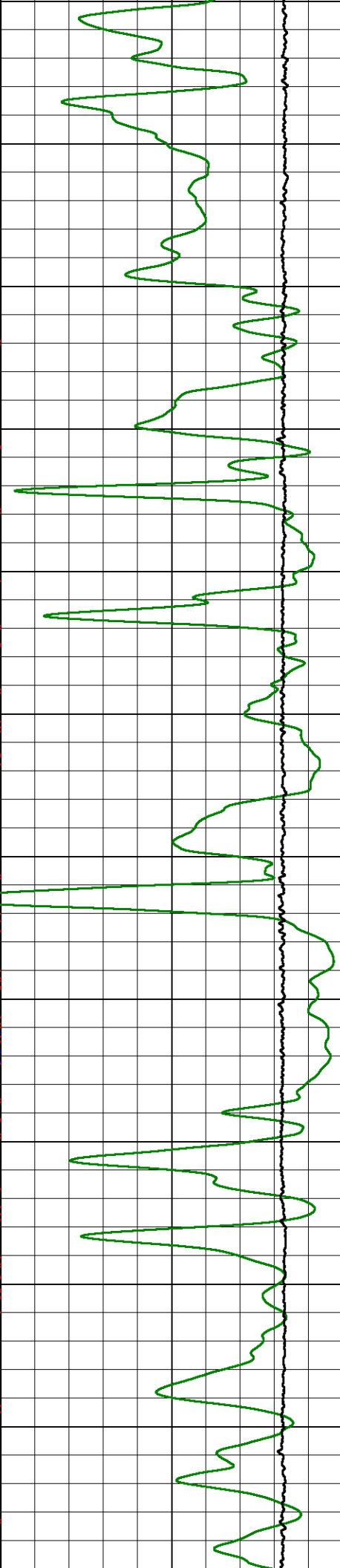
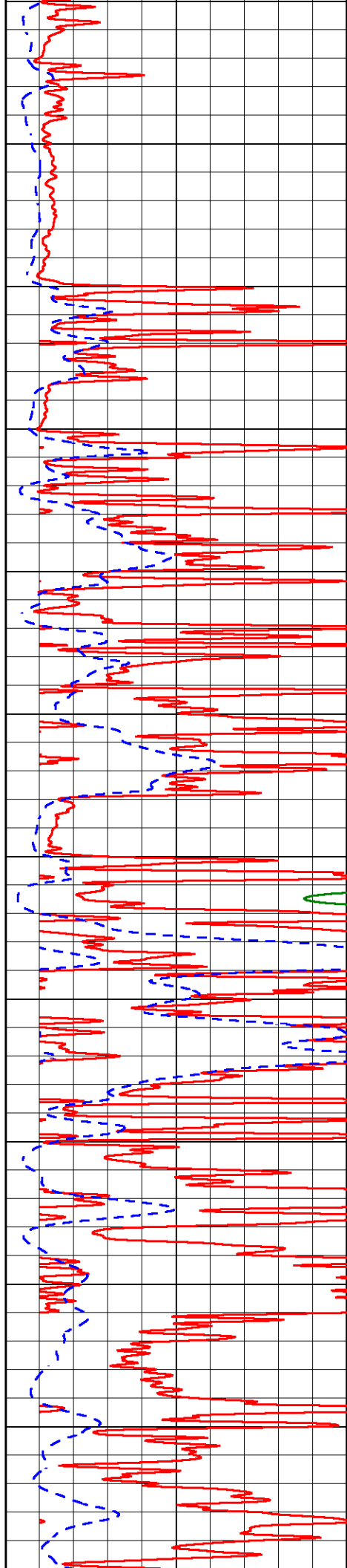


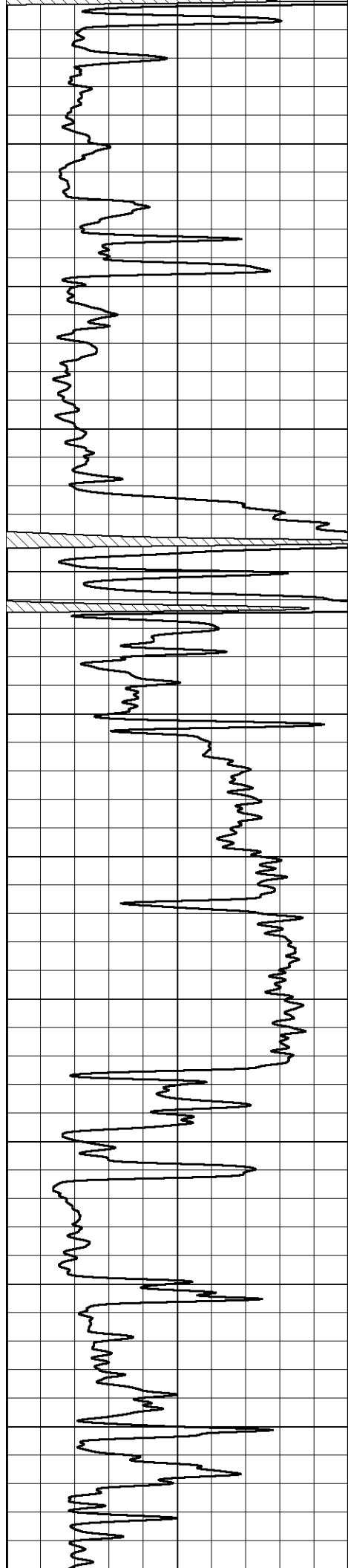




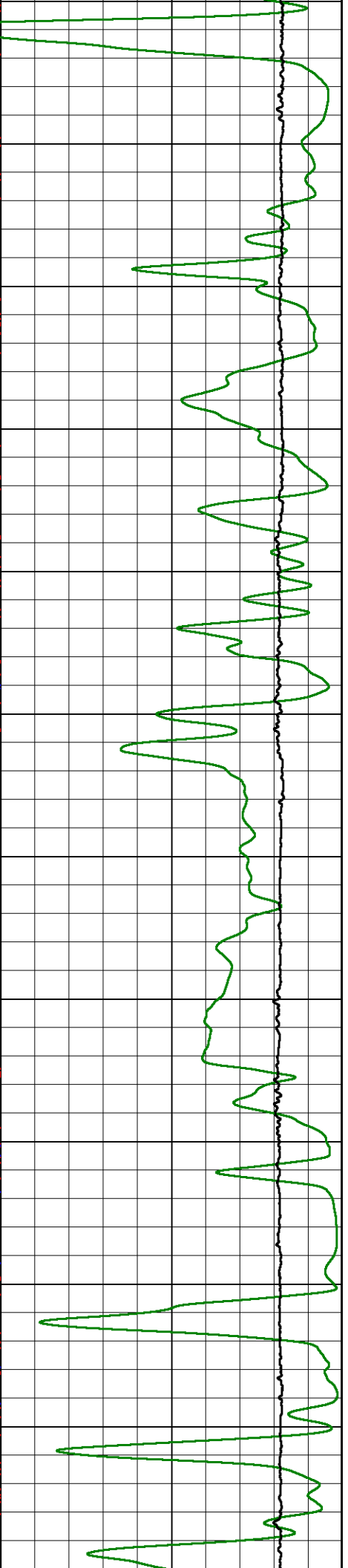
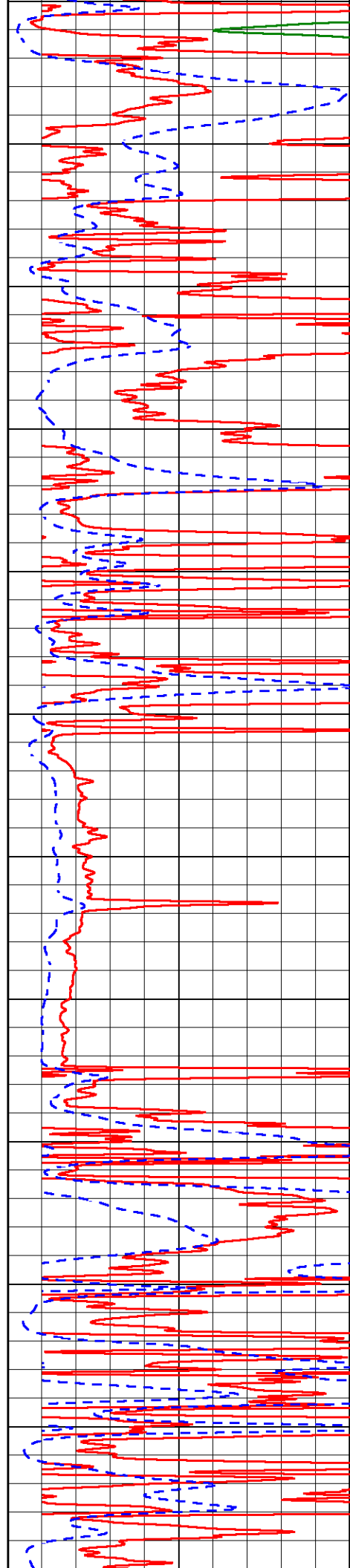


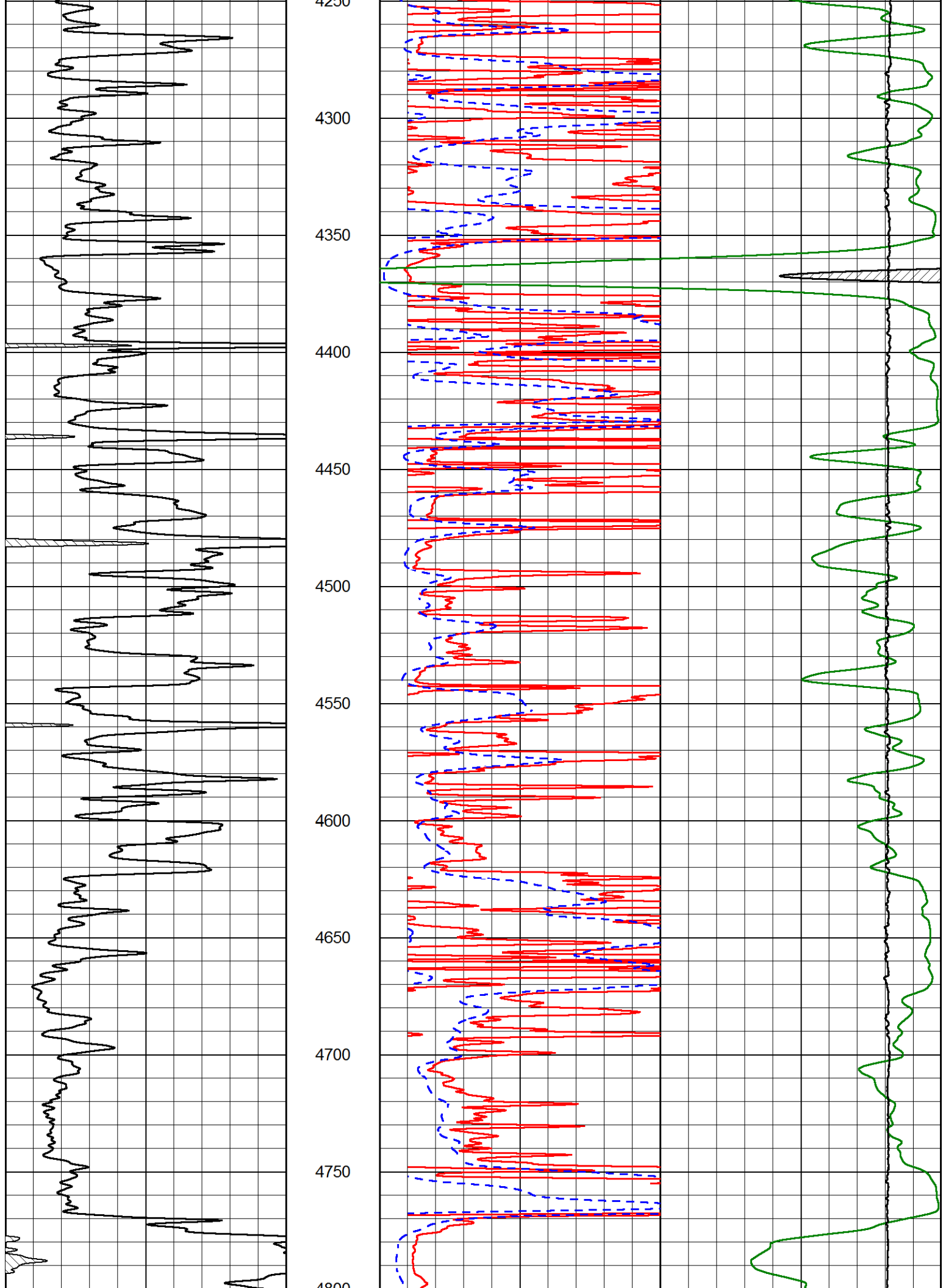
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3300
3350
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3500
3550
3600
3650
3700

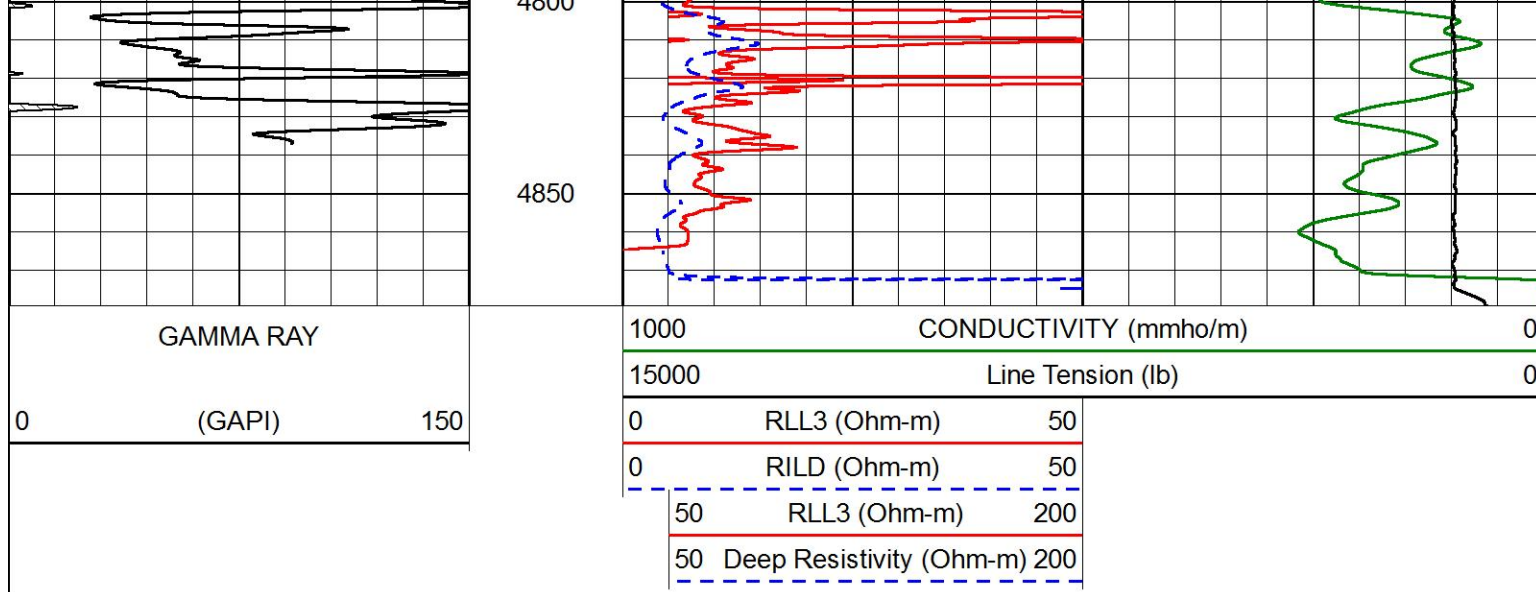




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4050
4100
4150
4200
4250







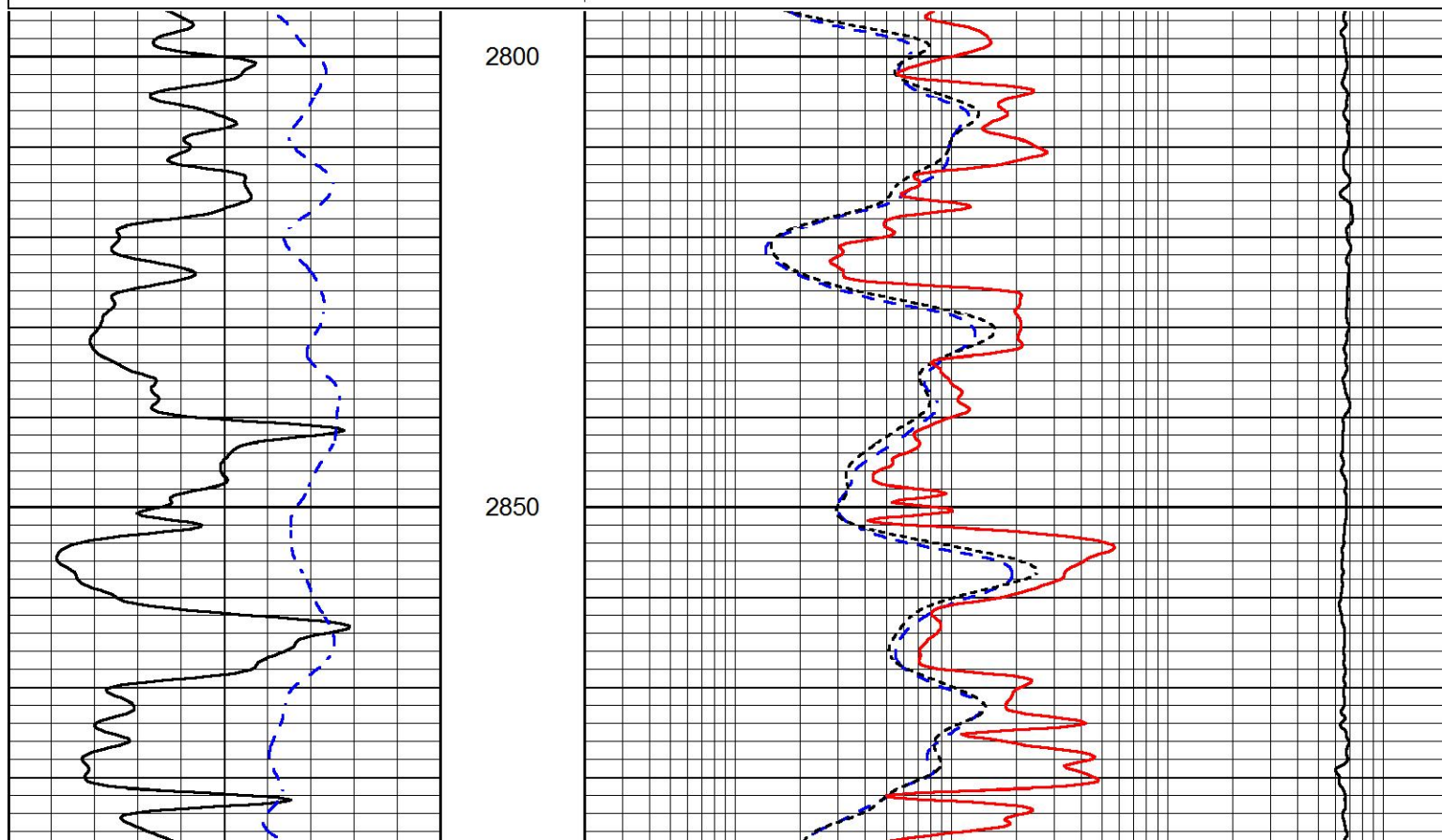
MIDWEST WIRELINE

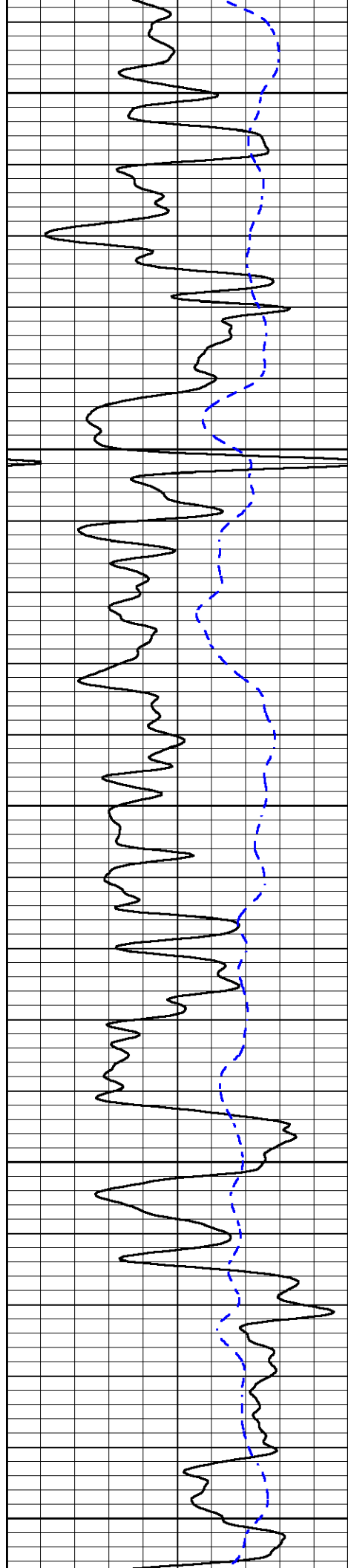
DETAIL SECTION

MAIN PASS

Database File griffin_palmer #1.db
 Dataset Pathname StkMI/pass3.1
 Presentation Format _dil
 Dataset Creation Wed Jul 28 06:00:25 2021
 Charted by Depth in Feet scaled 1:240

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





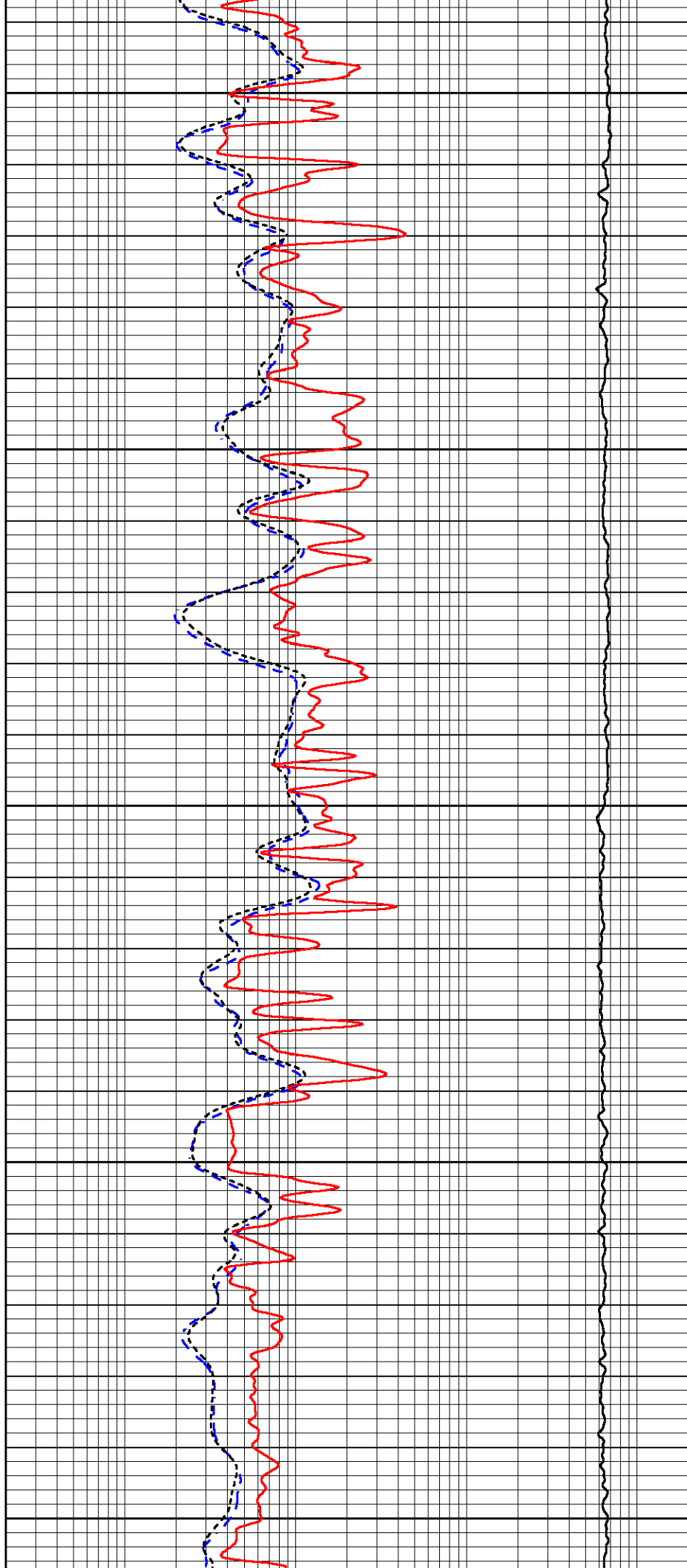
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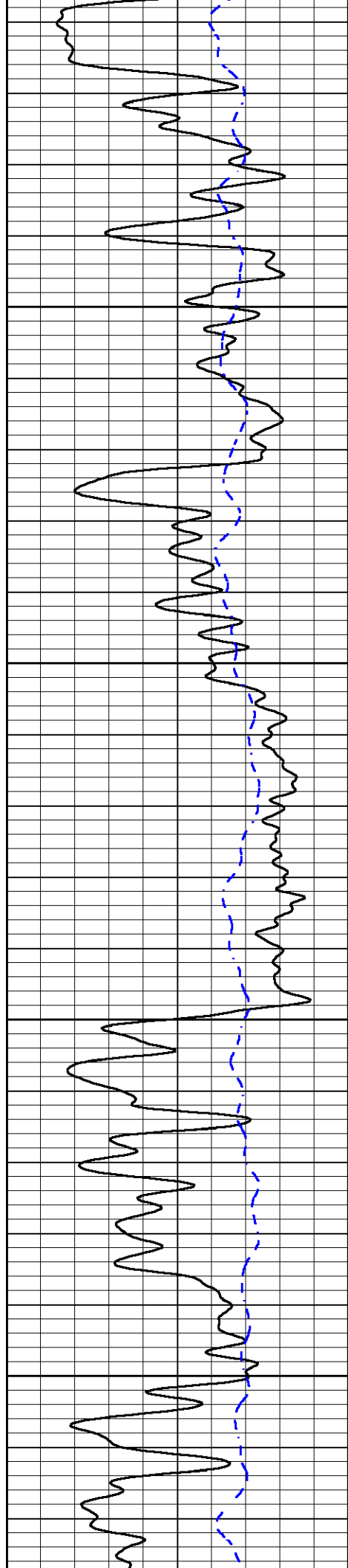
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3000

3050

3100



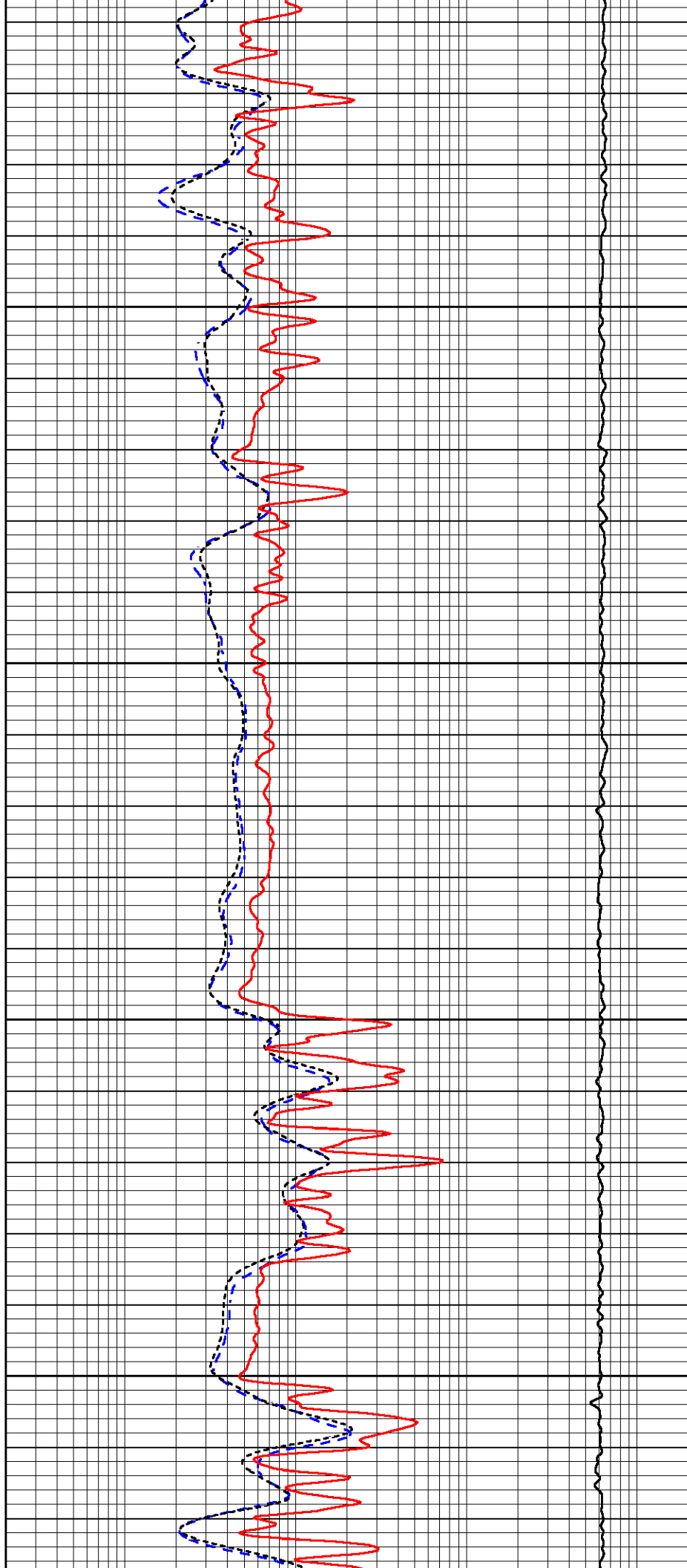


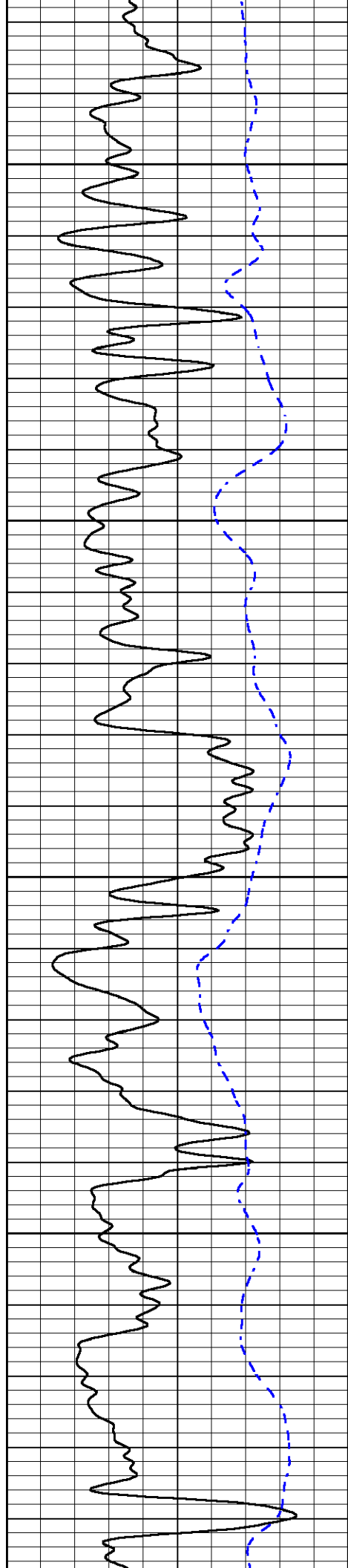
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3200

3250

3300



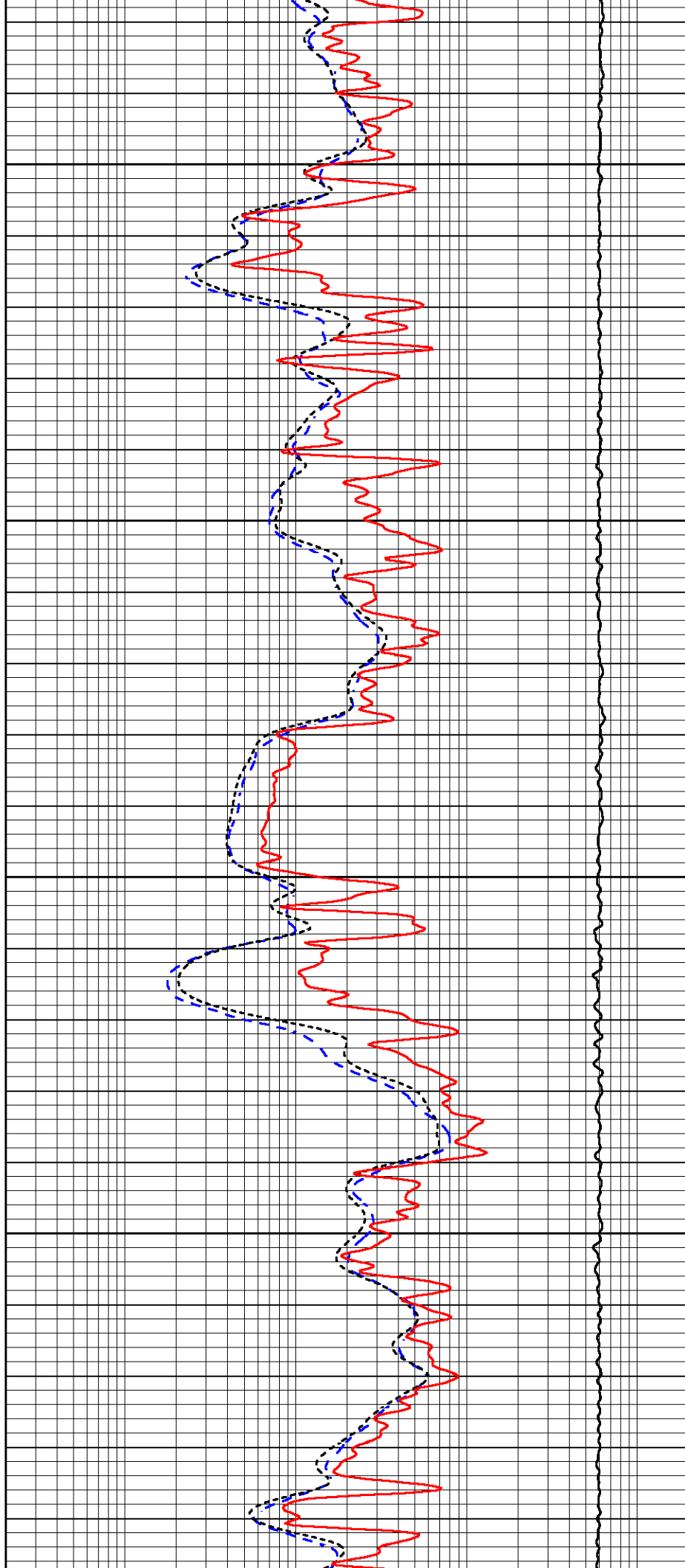


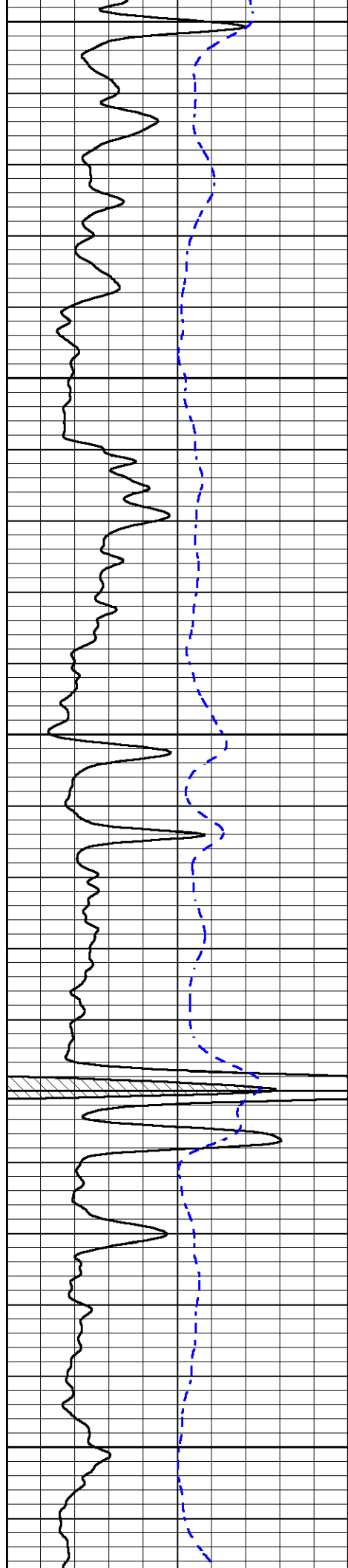
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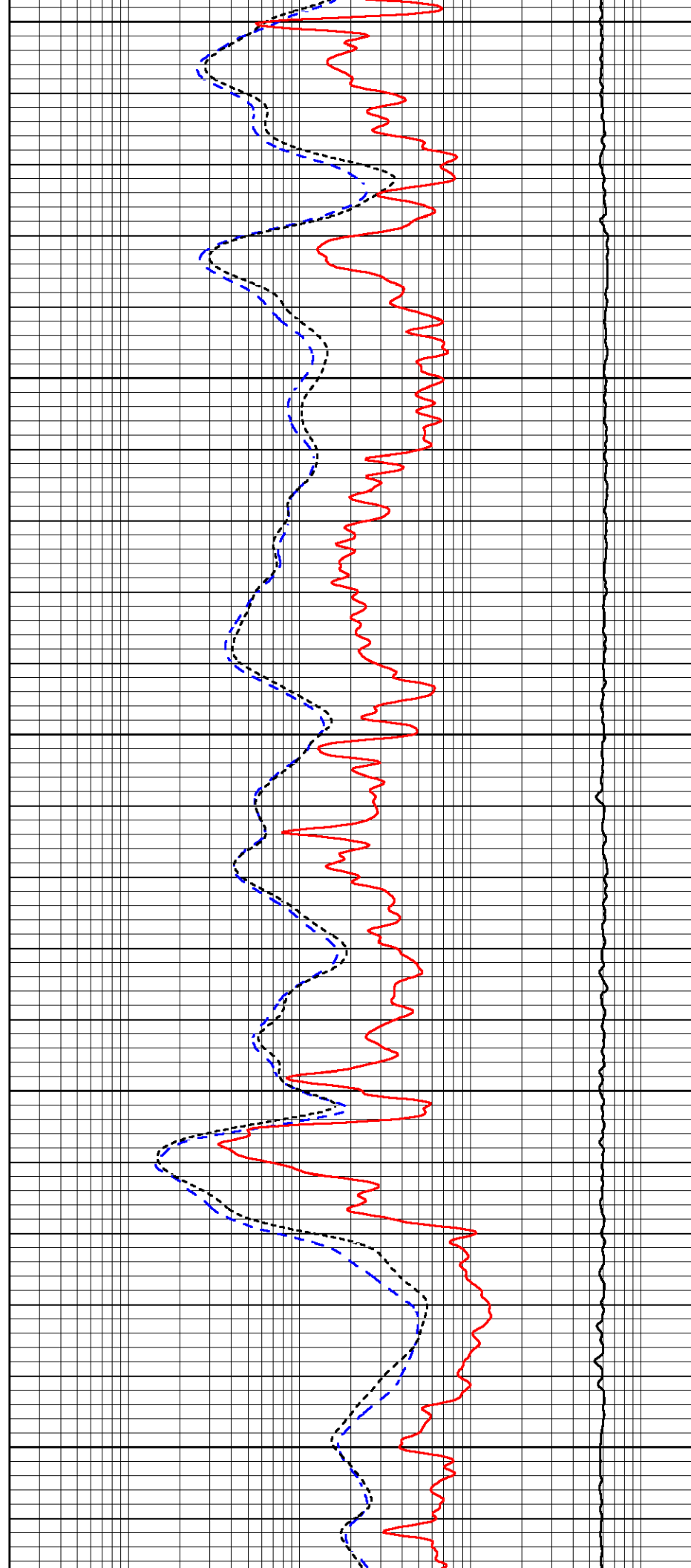
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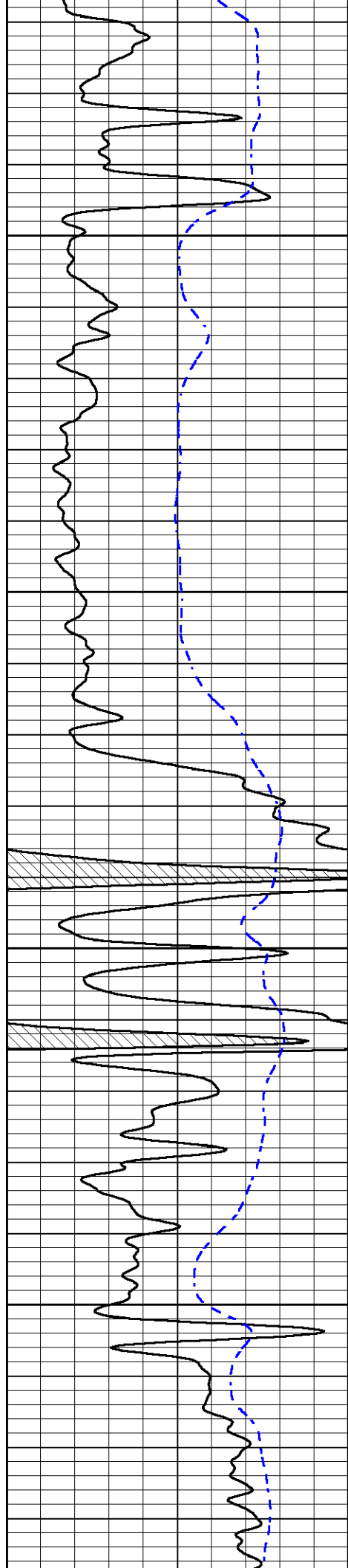
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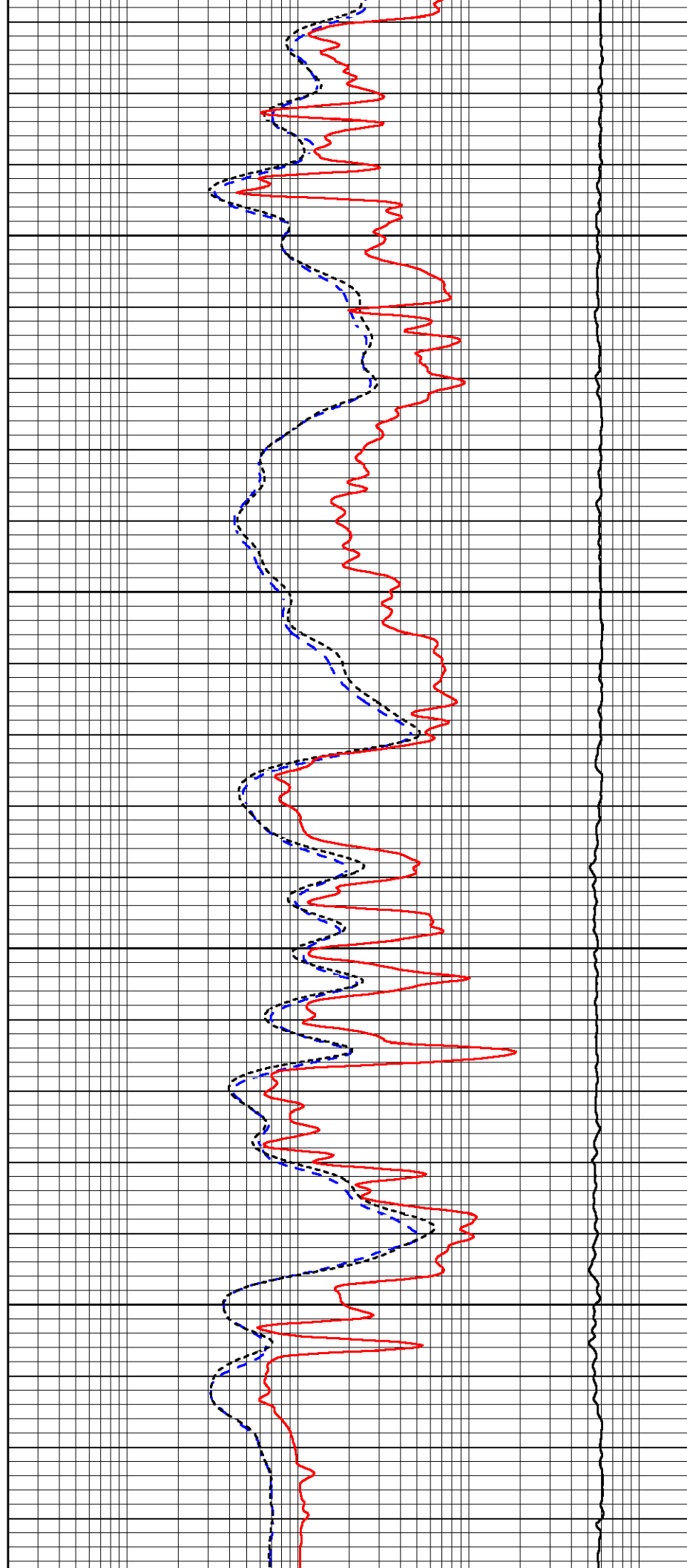


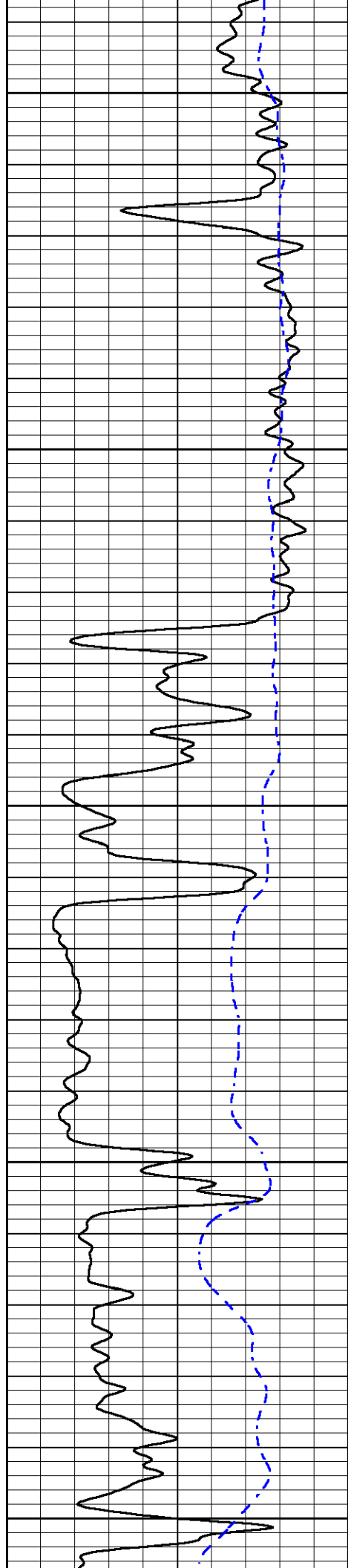
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3900

3950





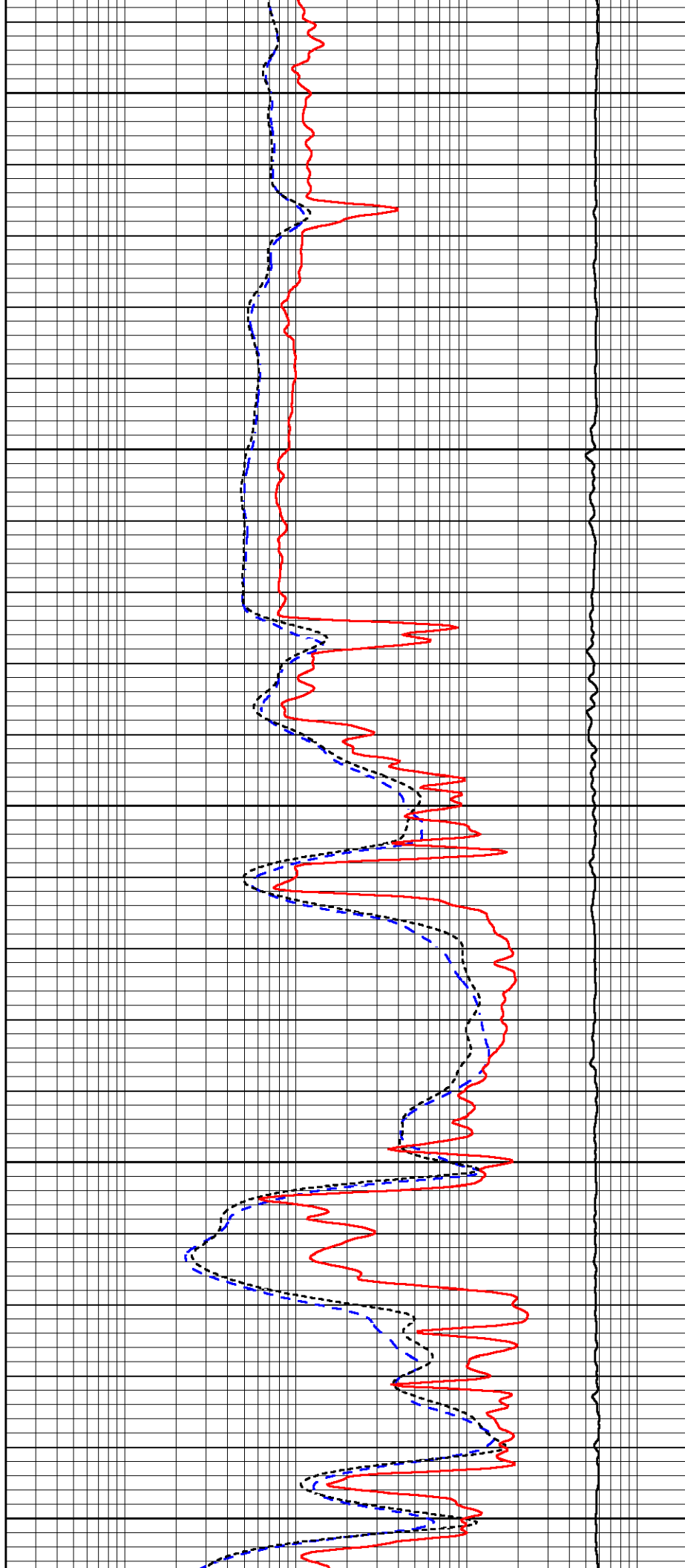
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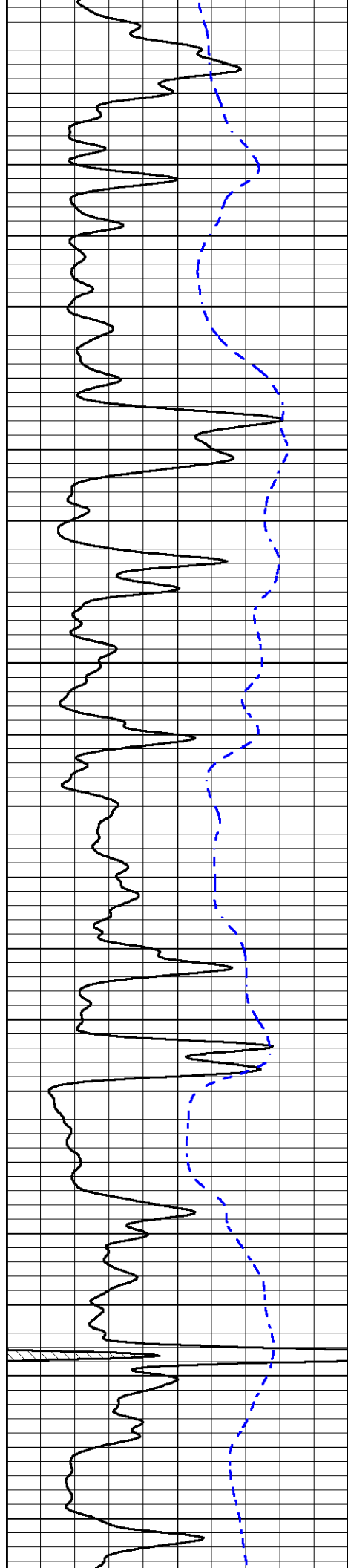
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4150

4200



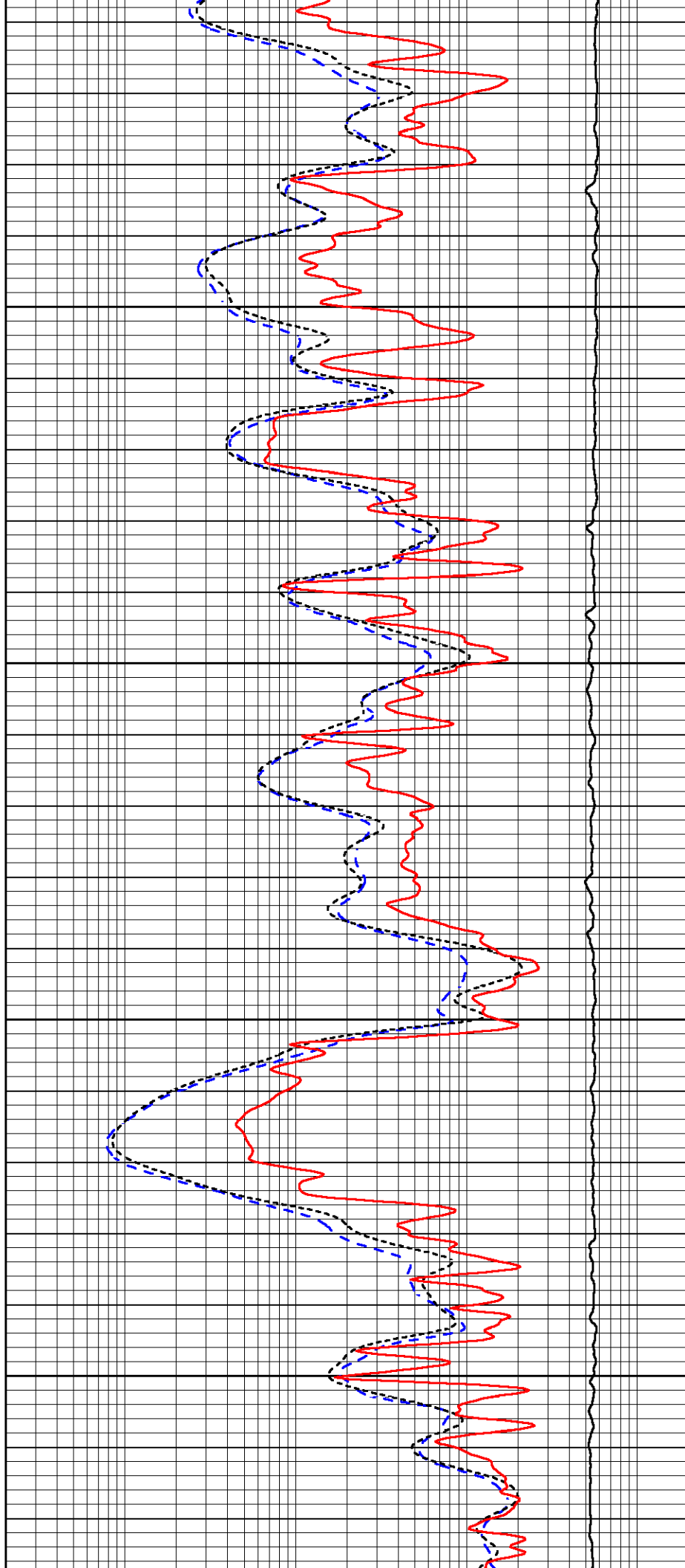


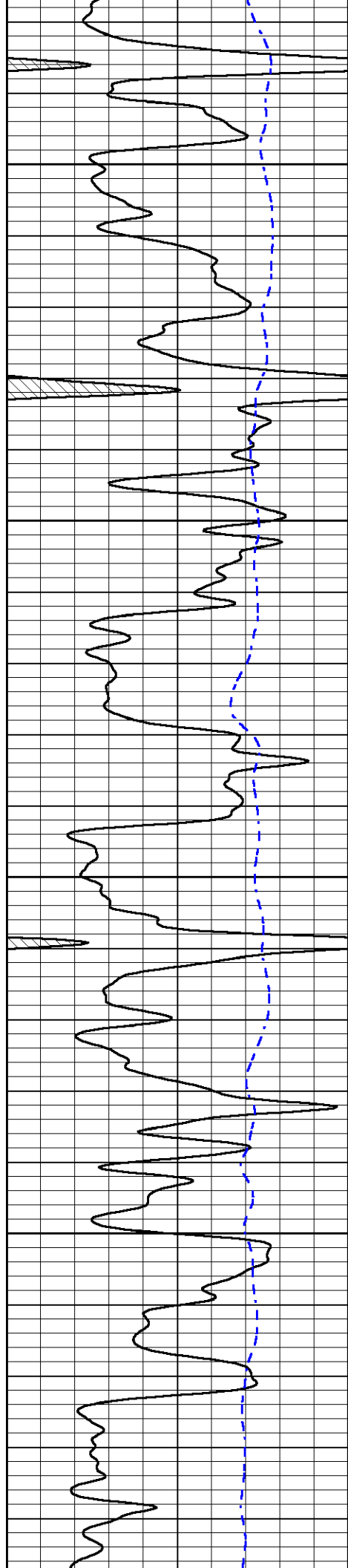
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4400



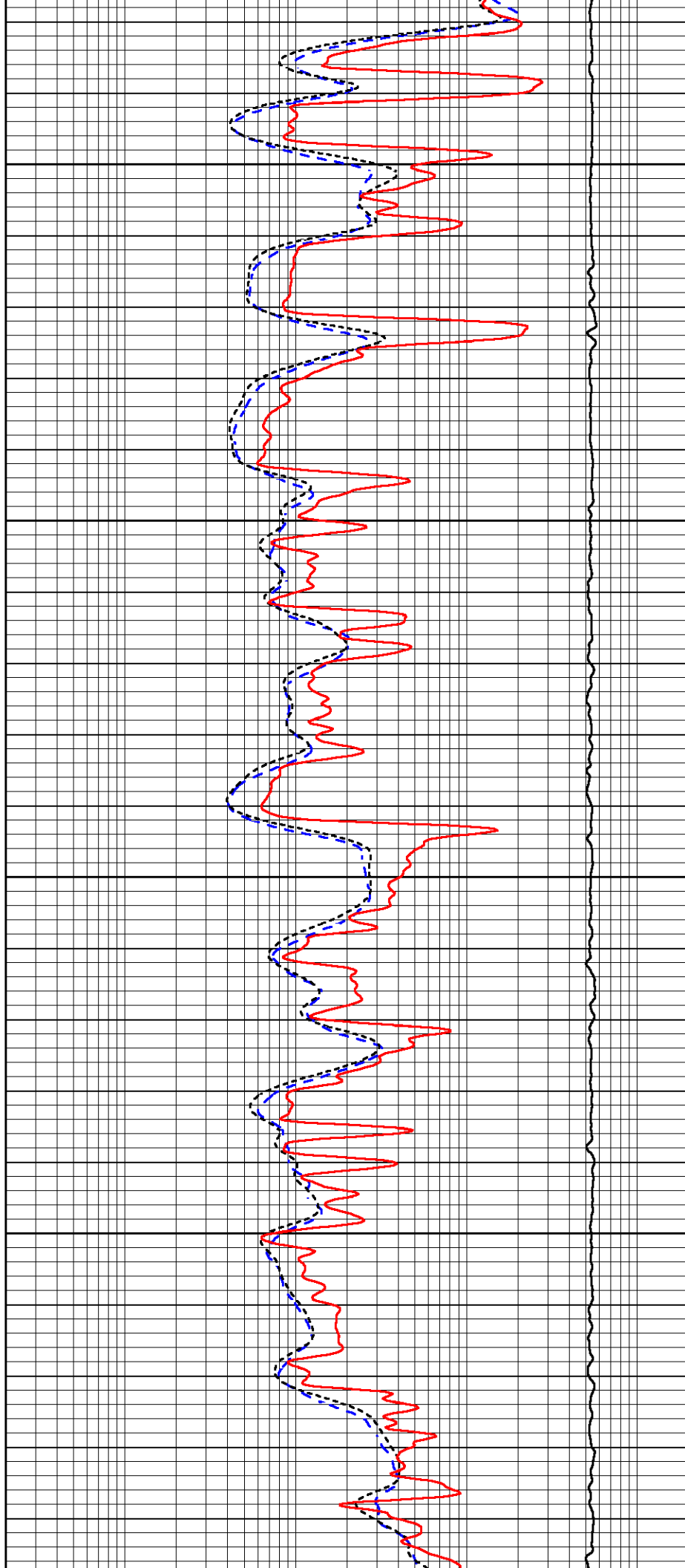


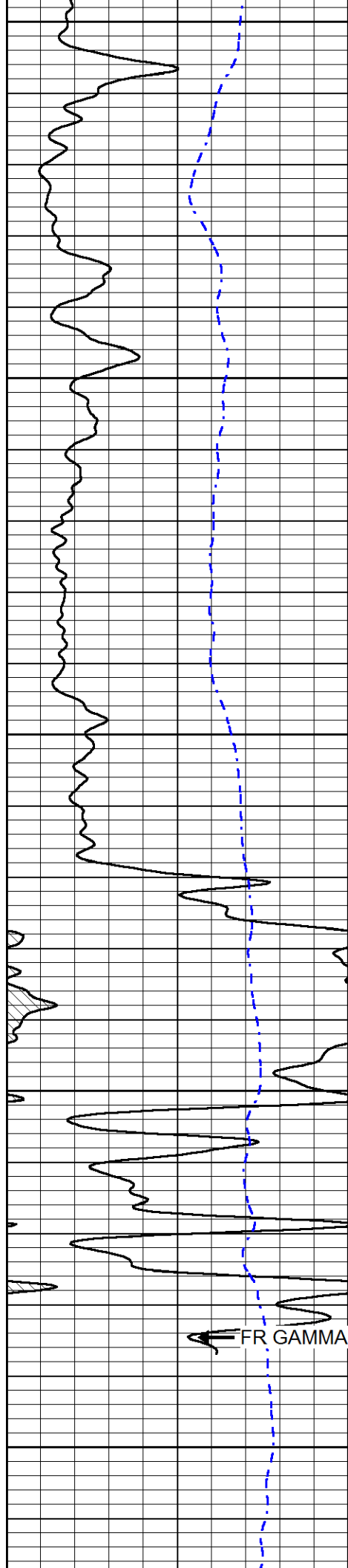
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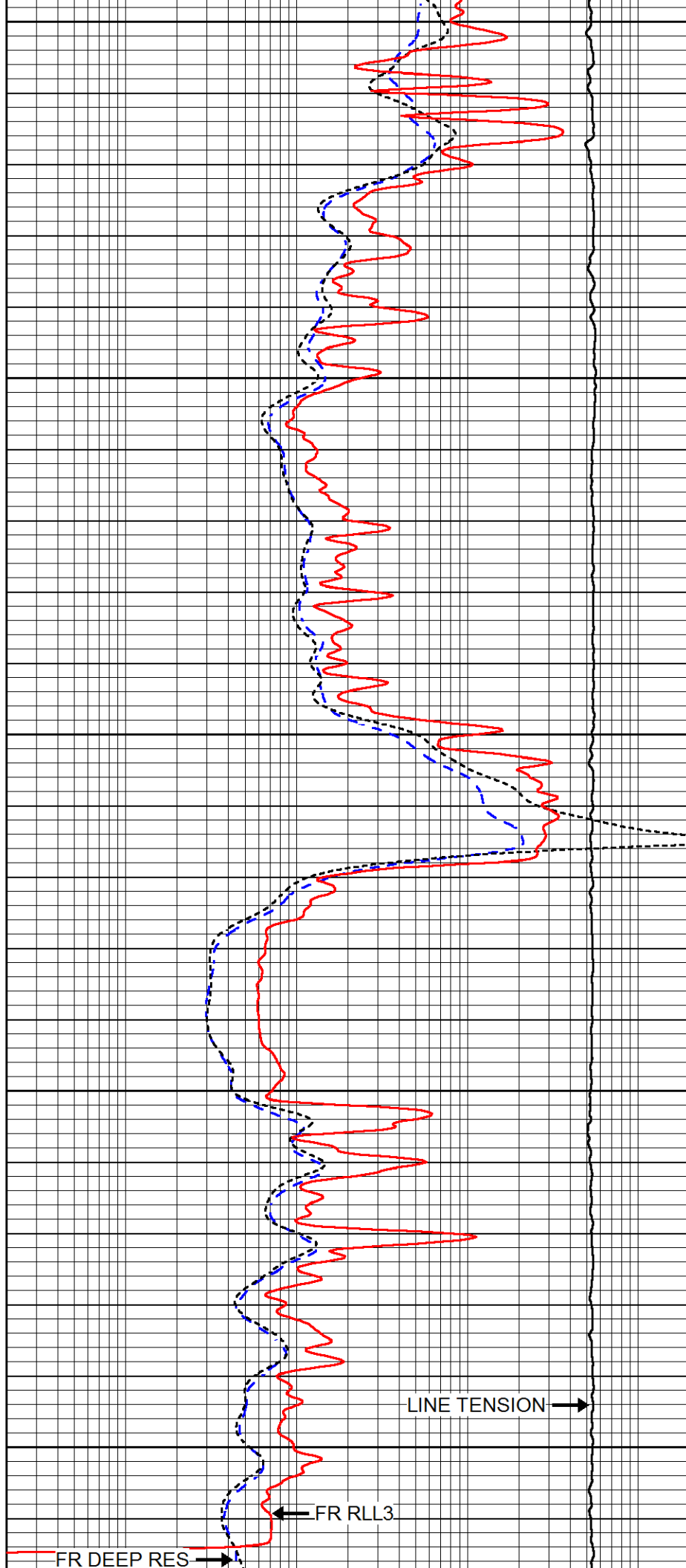
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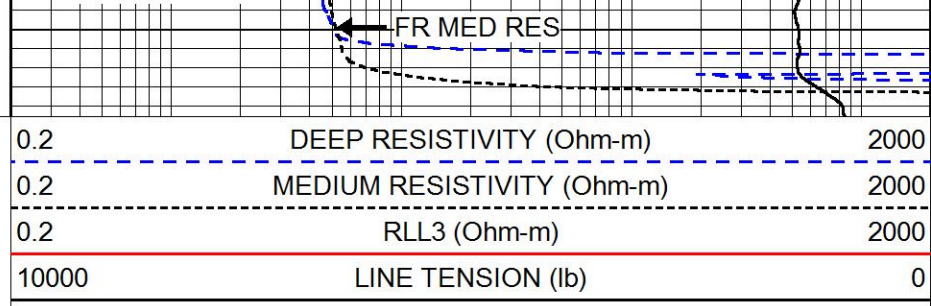
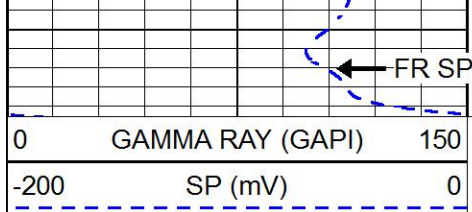
FR GAMMA RAY



LINE TENSION

FR RLL3

FR DEEP RES

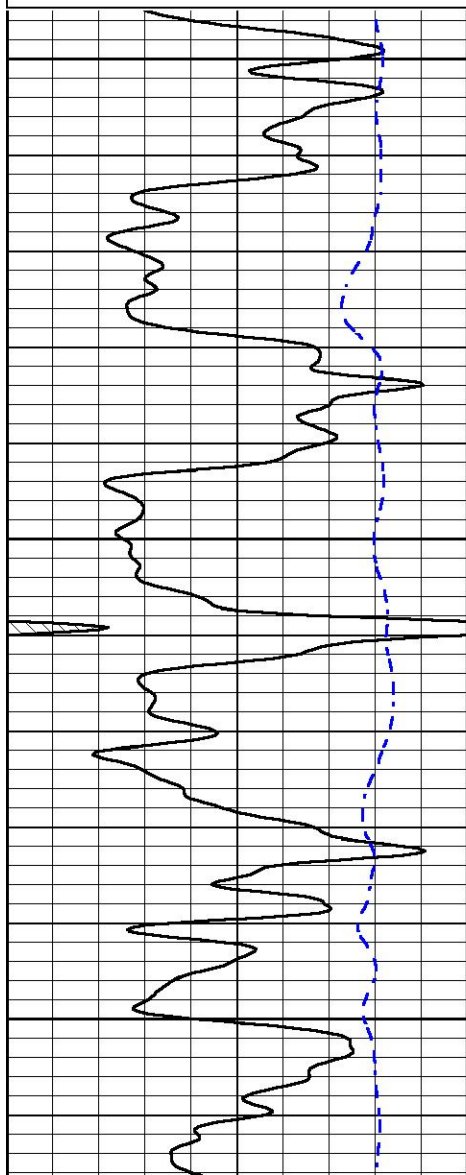
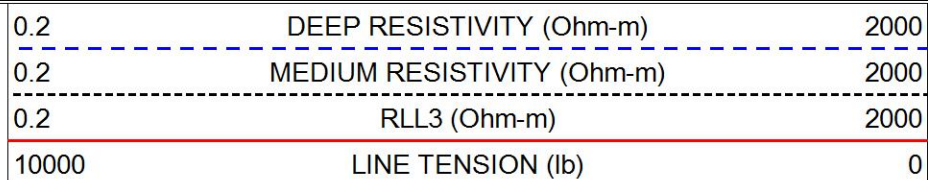
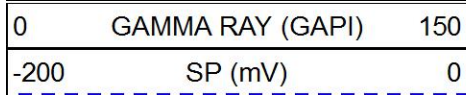


MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

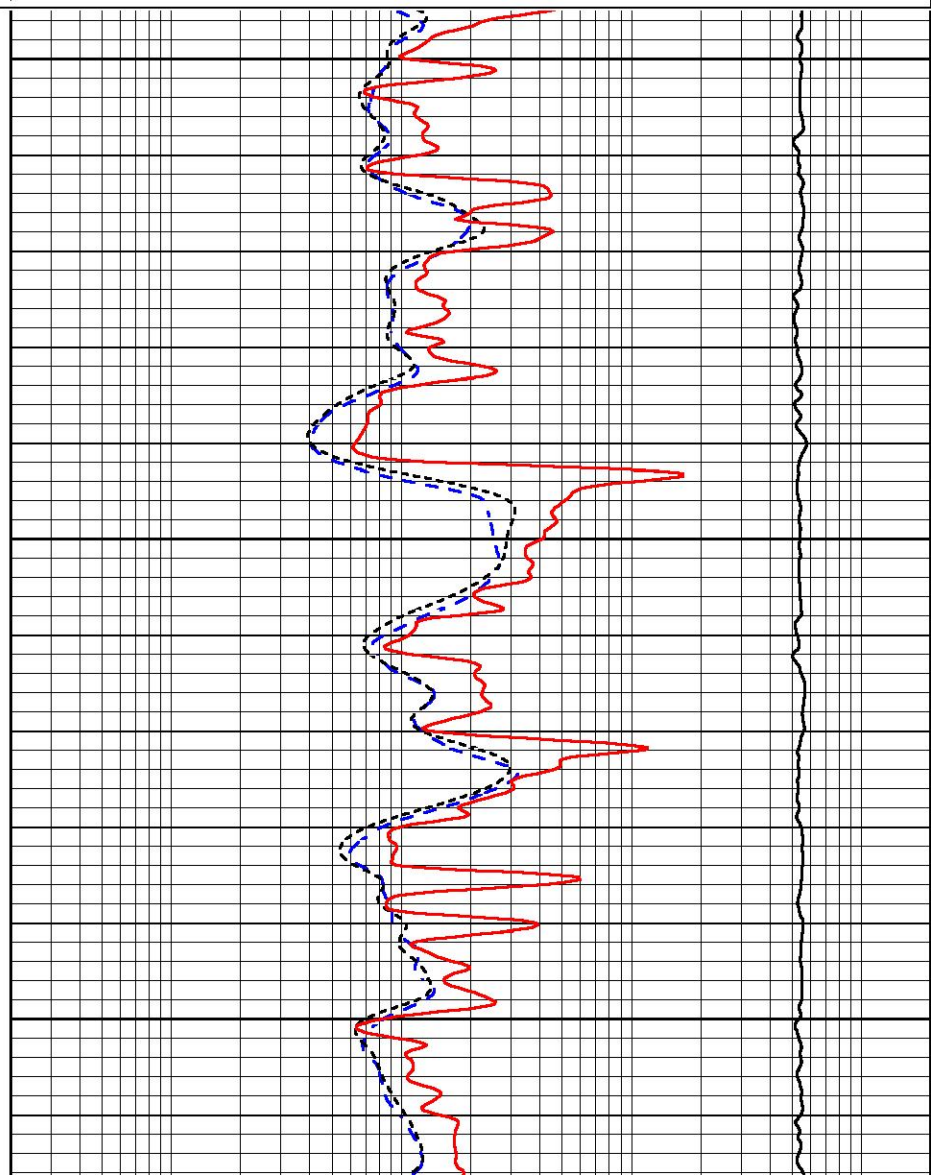
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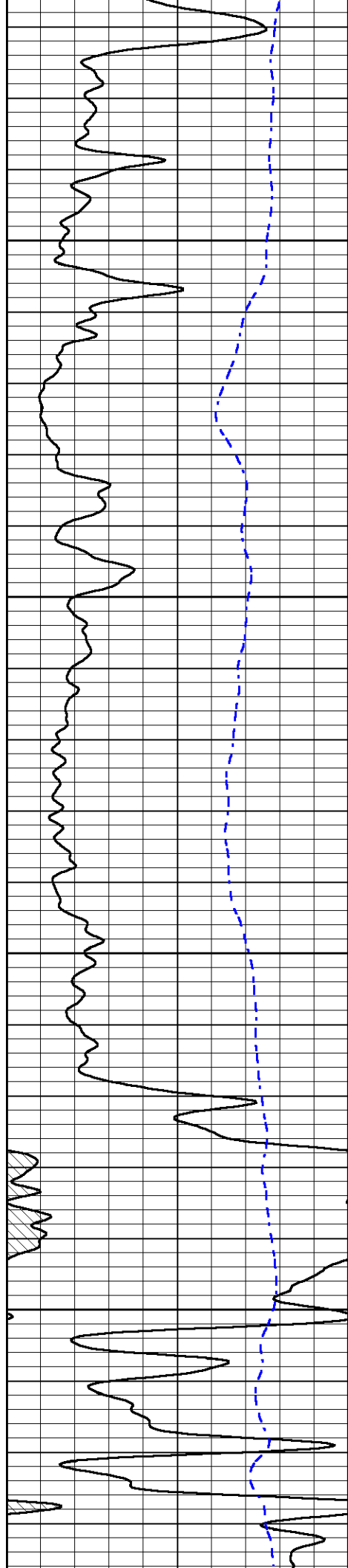


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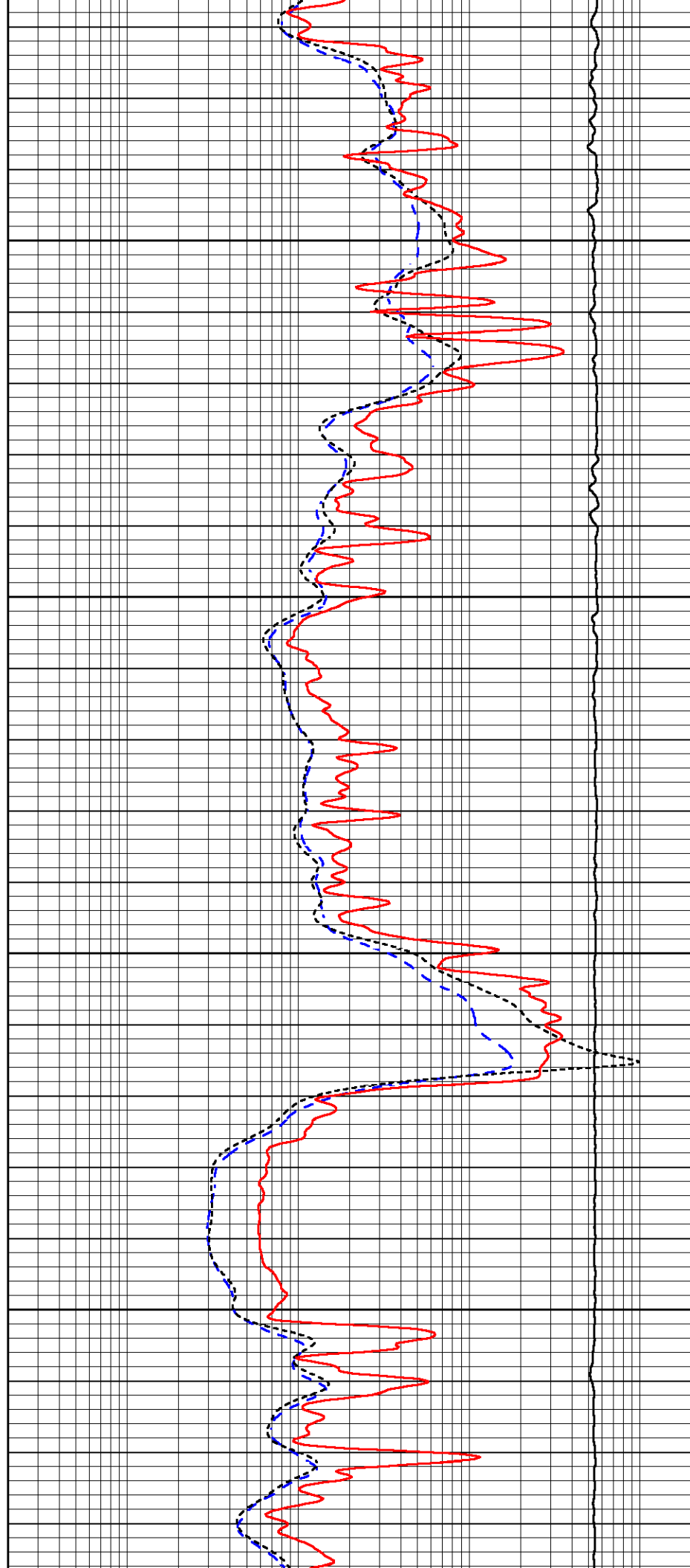


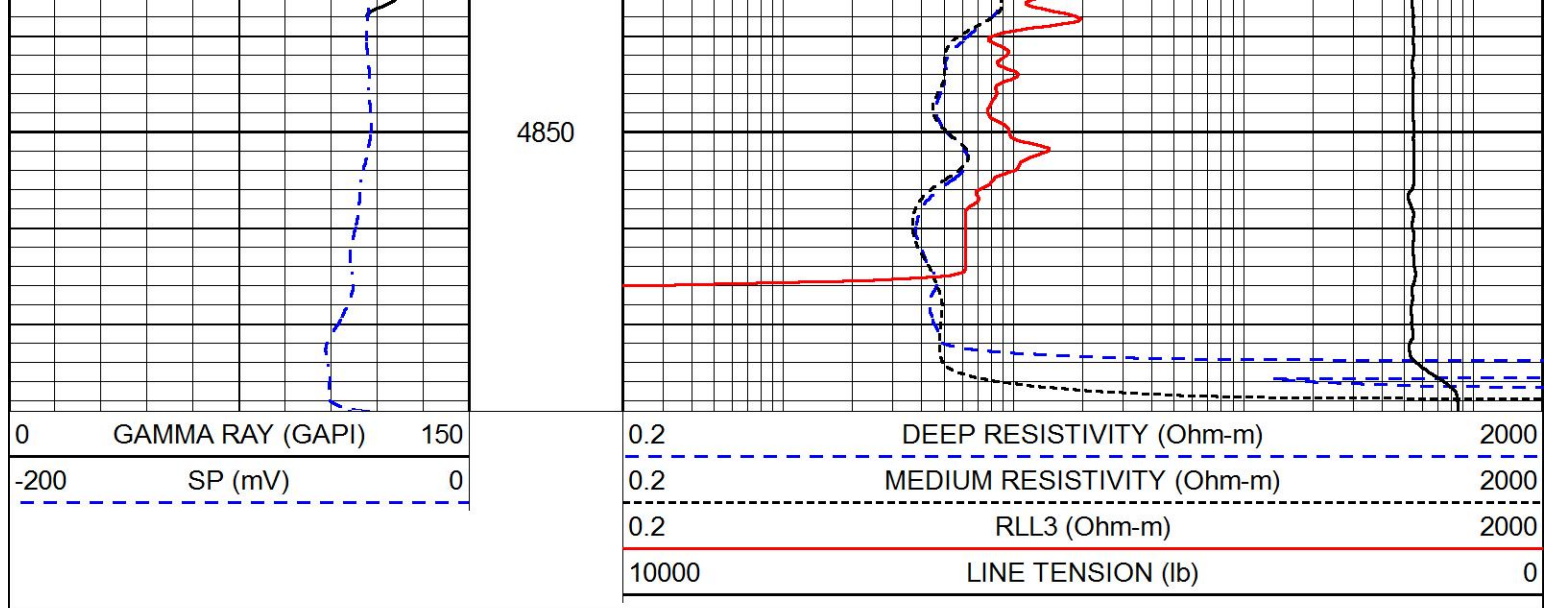
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4700

4750

4800





Company	Griffin Management LLC
Well	Palmer #1
Field	N/A
County	Pratt
State	Kansas