

BOREHOLE COMPENSATED

Company	MERIT ENERGY COMPANY, LLC		
Well	WENU #403		
Field	EUBANK NORTH		
County	HASKELL		
State	KANSAS		
Country	USA		
API No.	15-081-22211-0000		
File No	:	TUL-70418	
Company	:	MERIT ENERGY COMPANY, LLC	
Well	:	WENU #403	
Field	:	EUBANK NORTH	
County	:	HASKELL	
State	:	KANSAS	
Country	:	USA	
API No	:	15-081-22211-0000	
Location :	2023' FSL & 873' FEL SE NW NE SE		
LSD :	Sect : 4	Twp : 28S	Rge : 34W

The customer is hereby warned that by providing the log data herein, STEP Energy Services does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. STEP Energy Services does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by STEP Energy Services personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by STEP Energy Services for its services. Any user of the log data is warned that said user is not entitled to rely on interpretations, conversions or recommendations as aforesaid.

Bitsize Intervals		Casing Strings			
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)	Top (Ft)
7.875	5604.00	8.625	32.00	1774.00	0.00

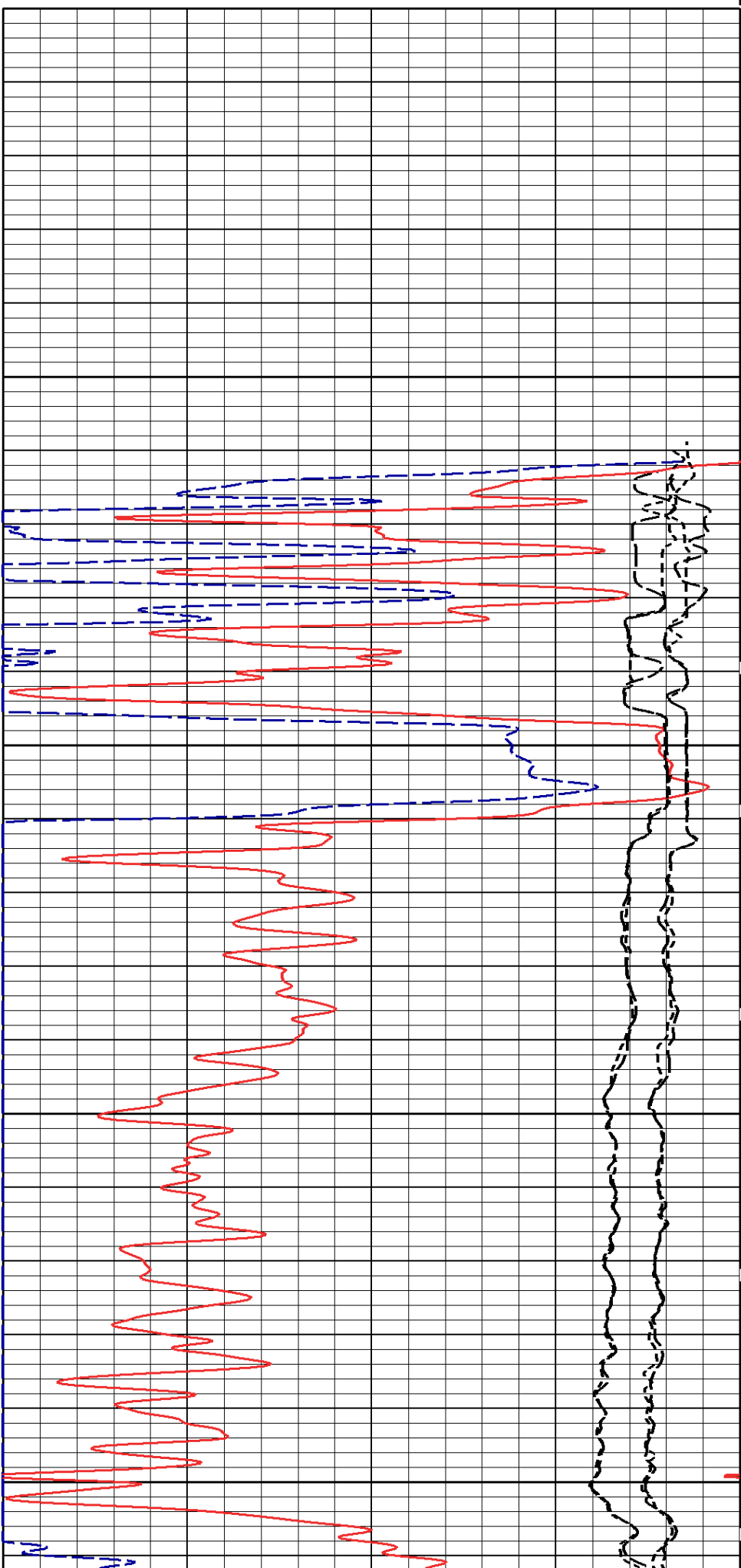
Run Number	1		
Date	12-30-2019		
Date/Time On Bottom	12-30-2019 13:15		
Depth to Fluid	0.0 Ft		
Salinity	1050.000		
RMF@BHT	1.280 @ 134 F		
RMC@BHT	1.920 @ 134 F		

Run Number 1

Comments

OPERATORS:
B.BROWN

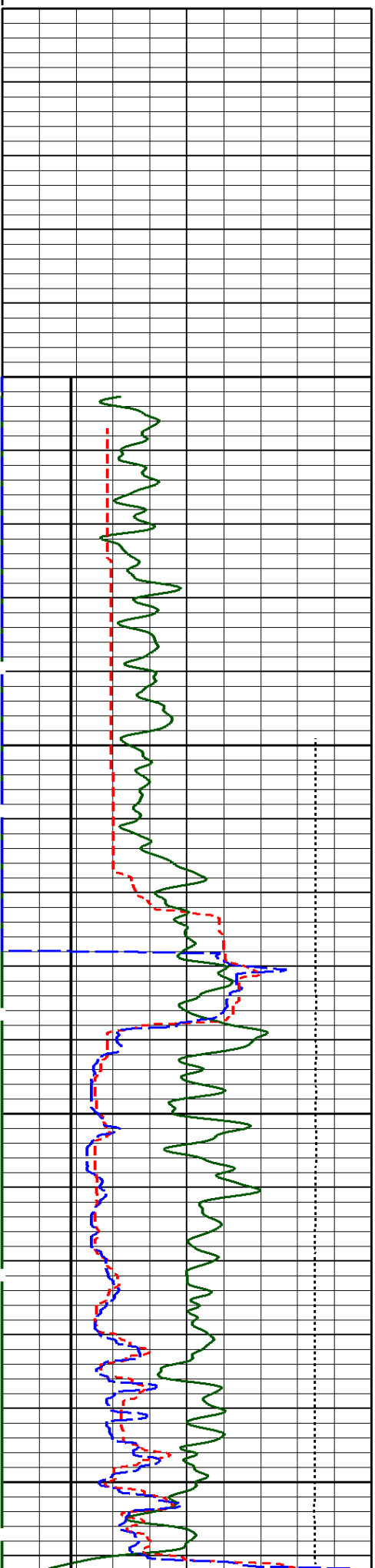
1:240 MAIN SECTION

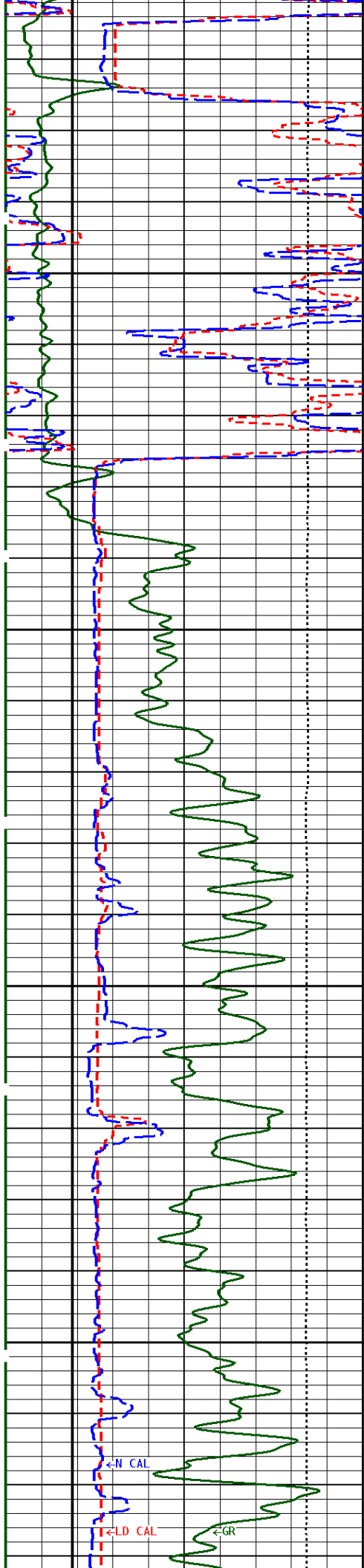


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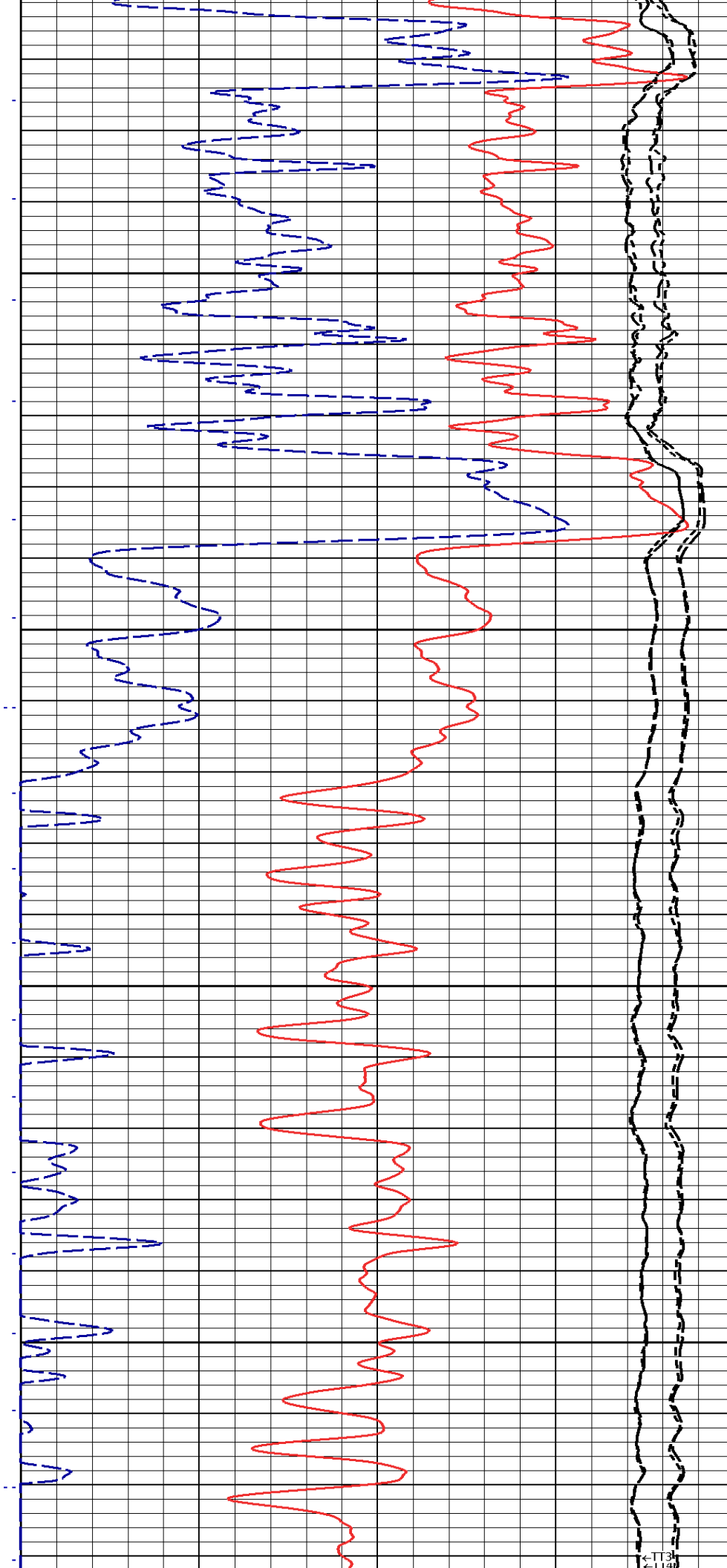
File #1.5.1

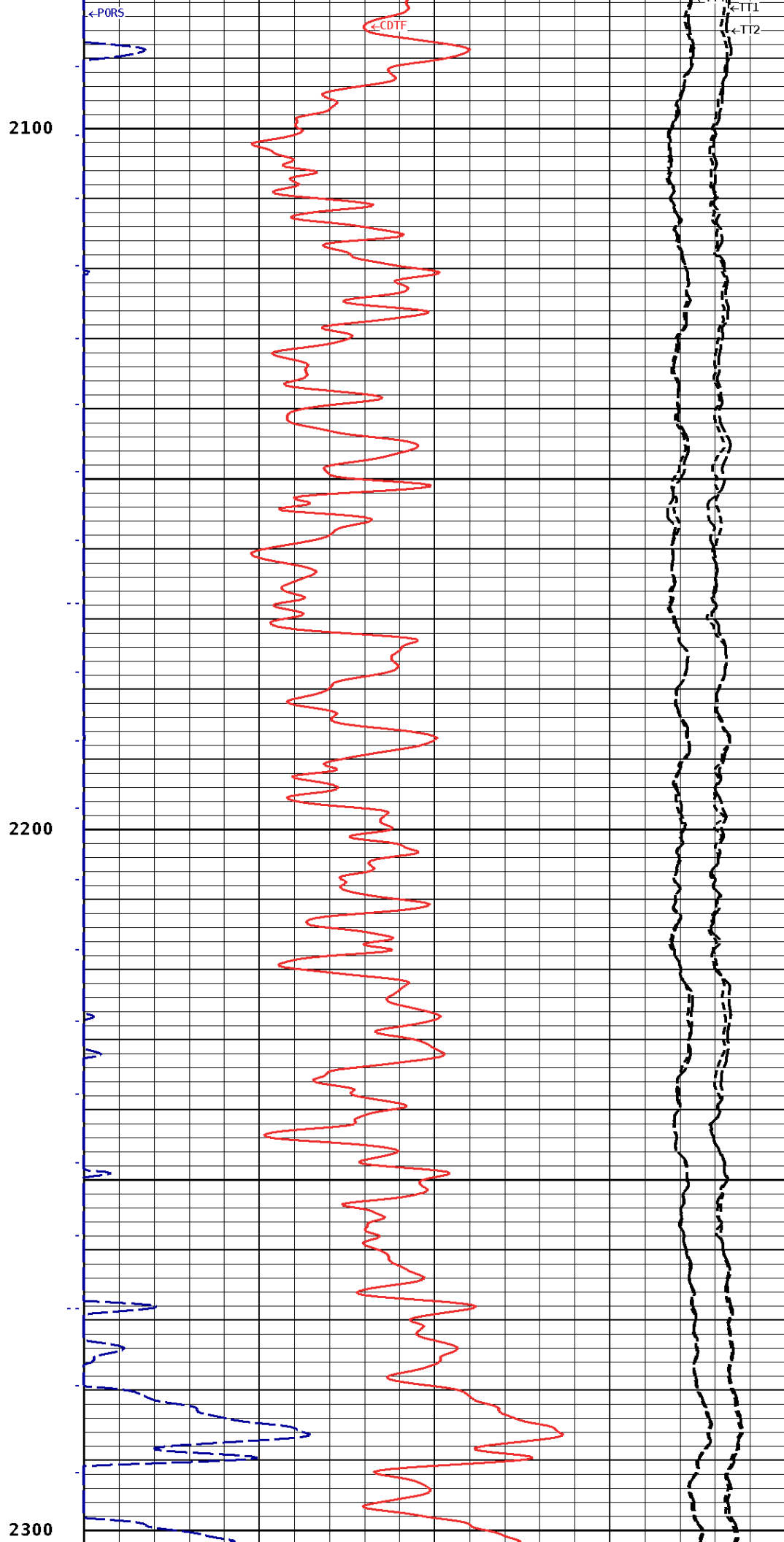
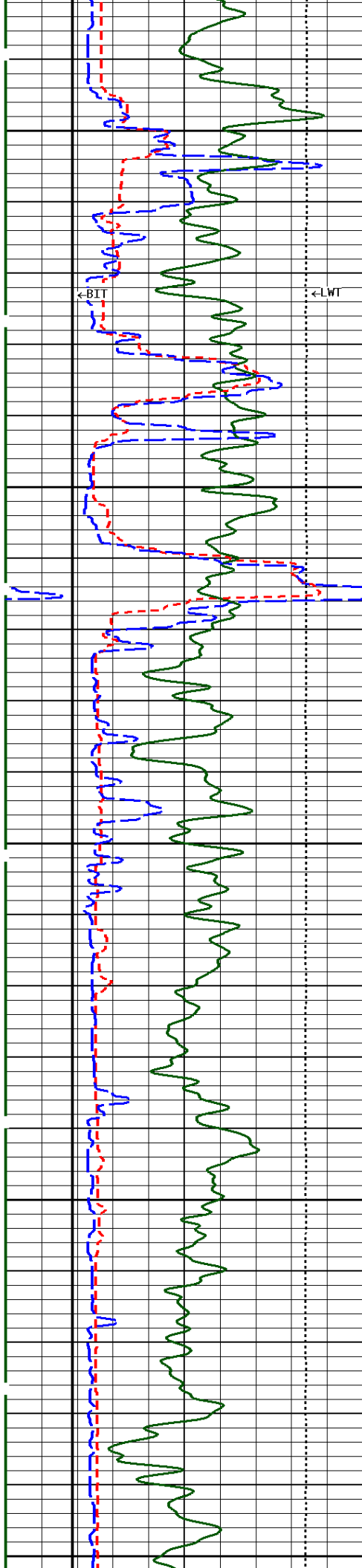


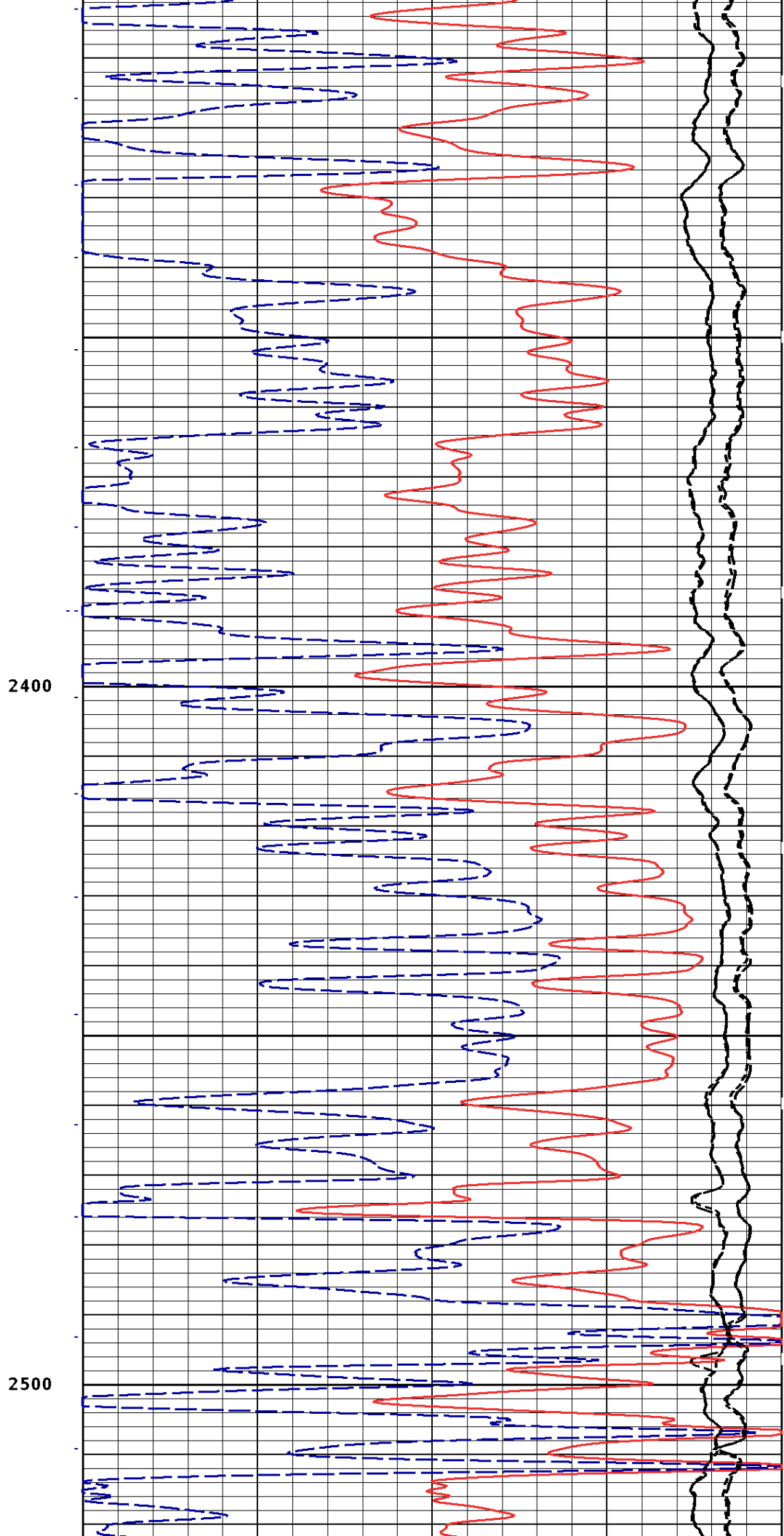
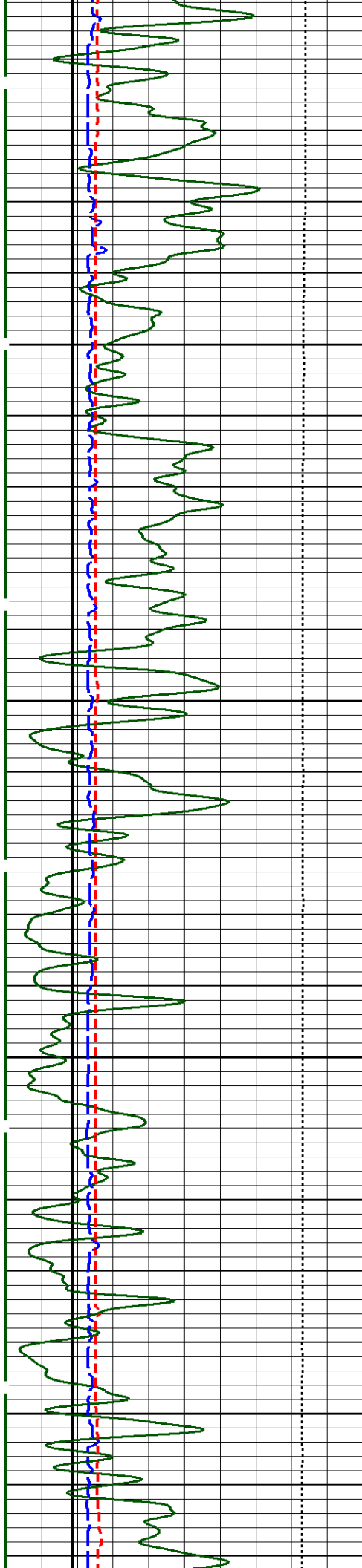


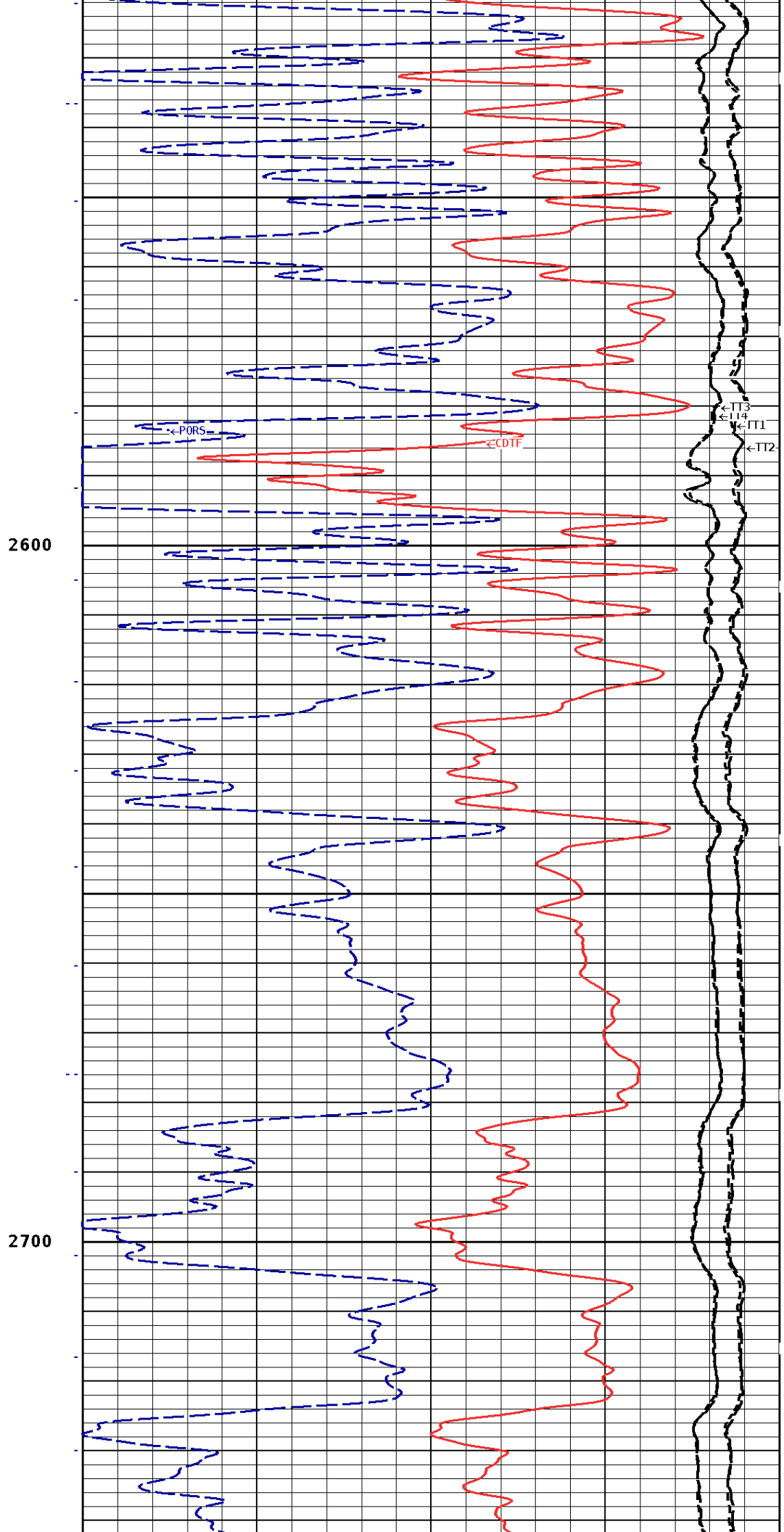
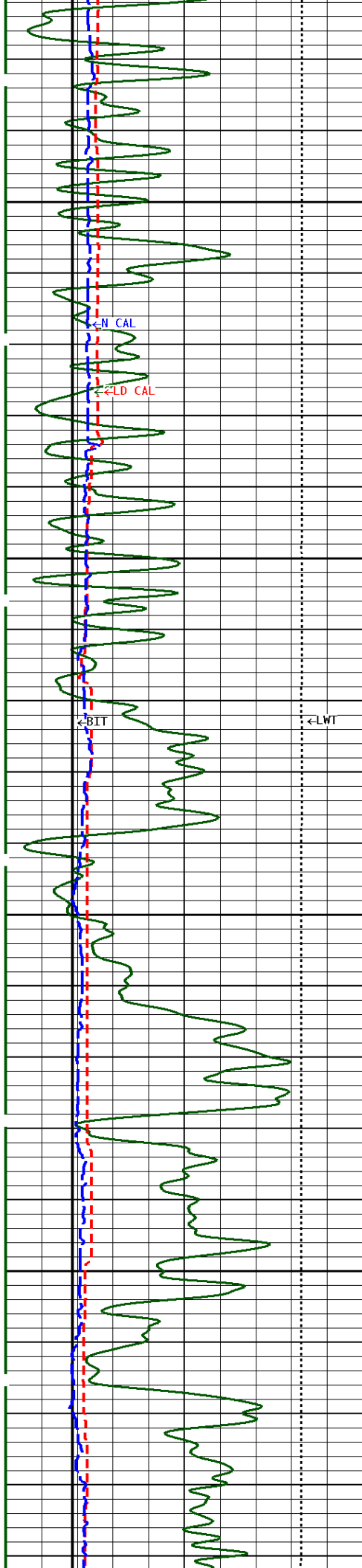
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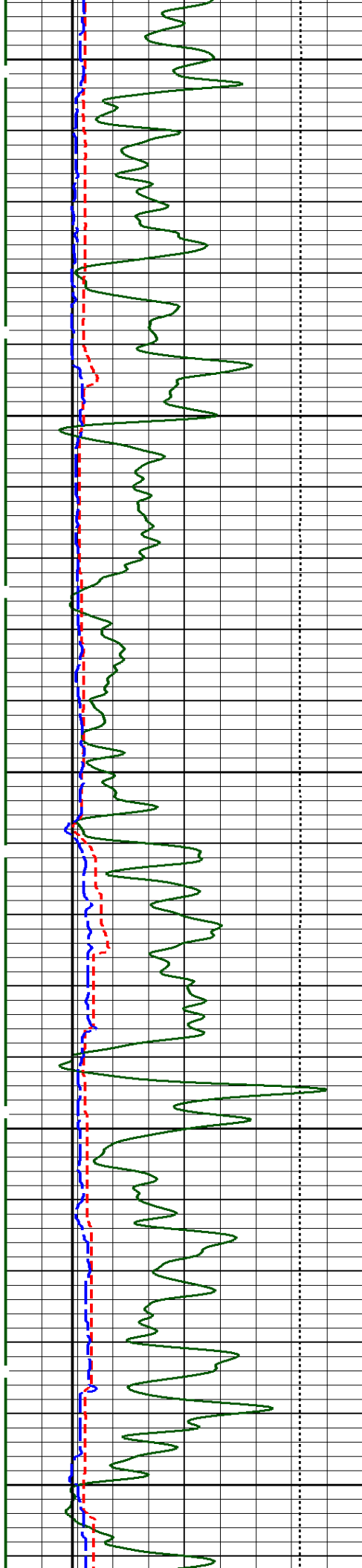
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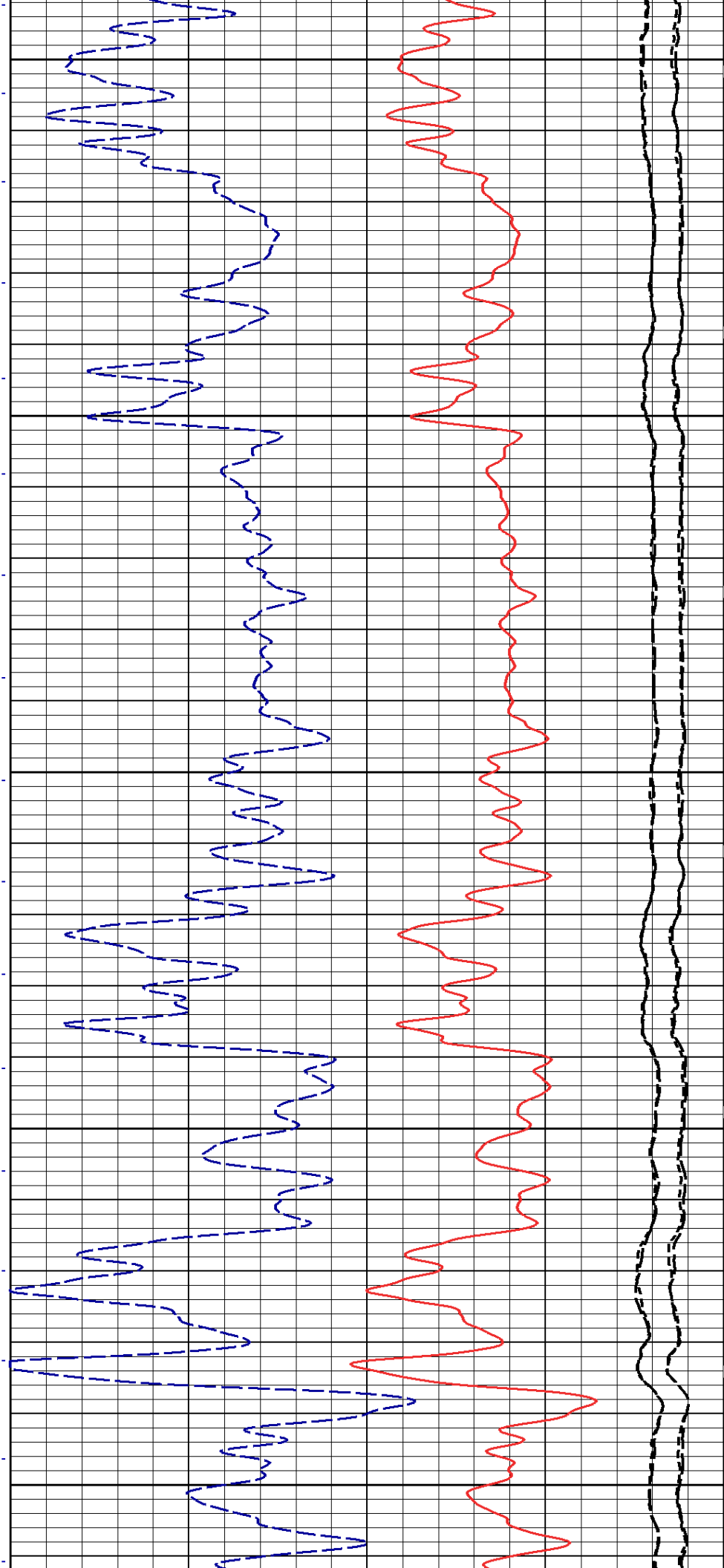


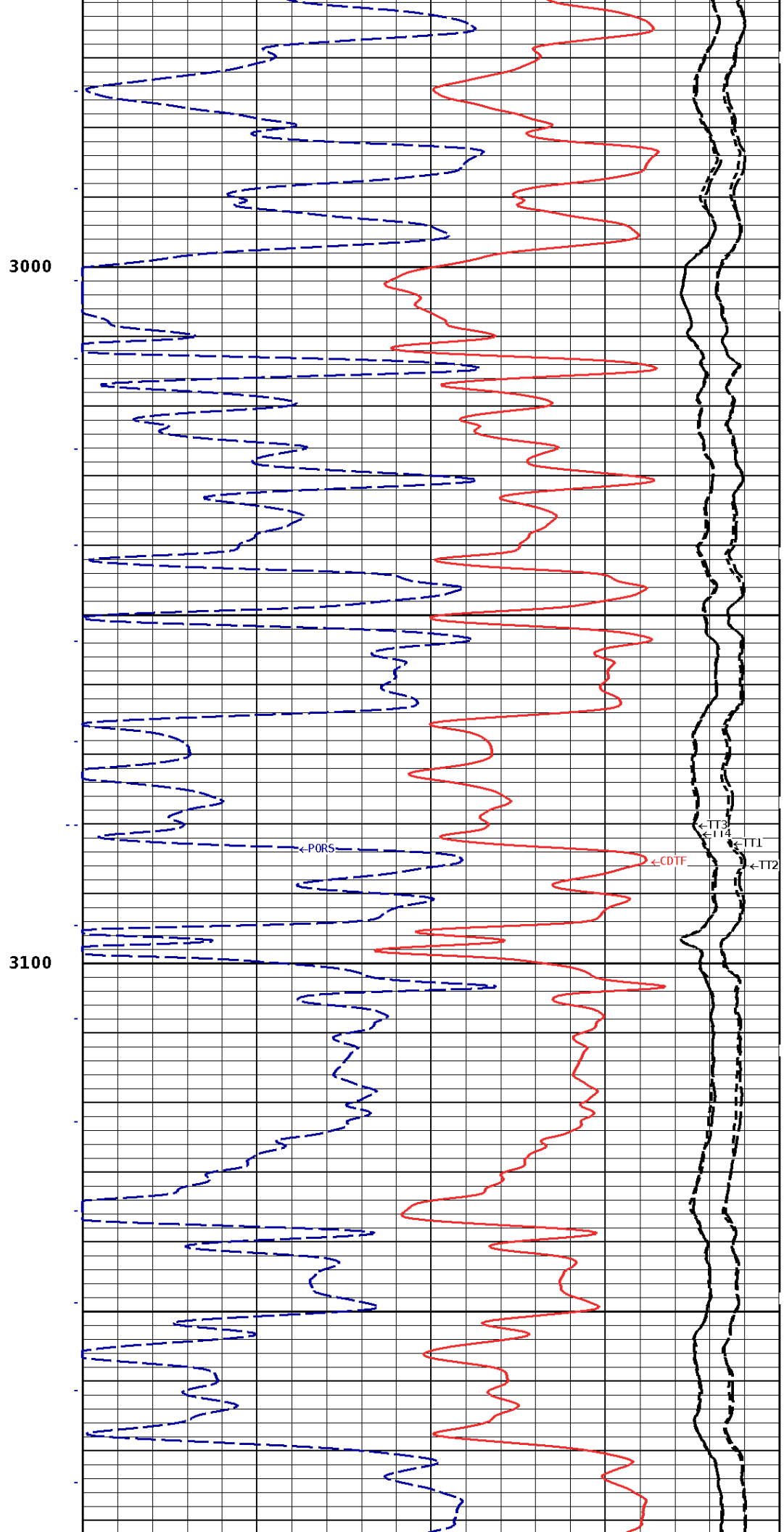
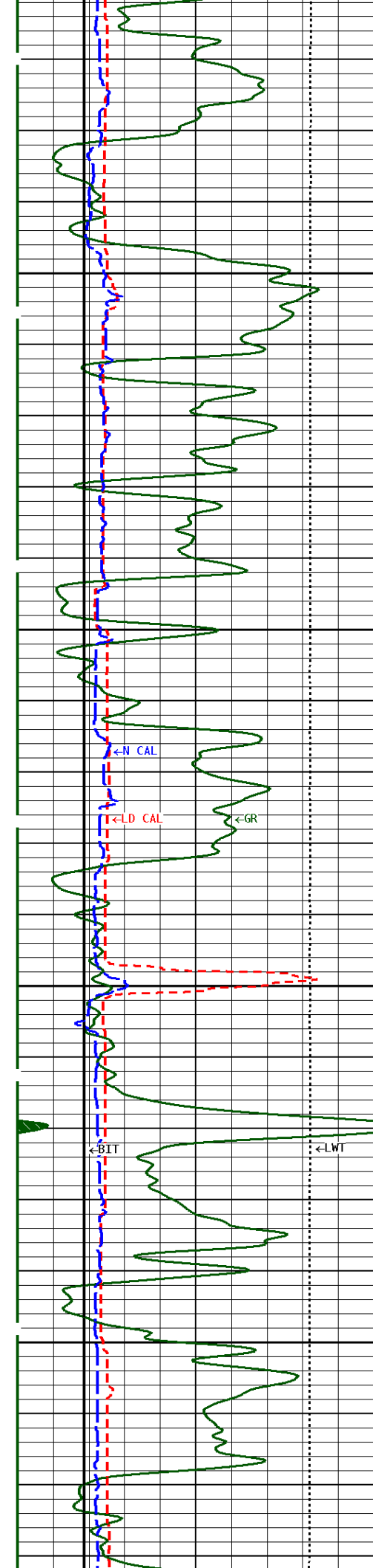


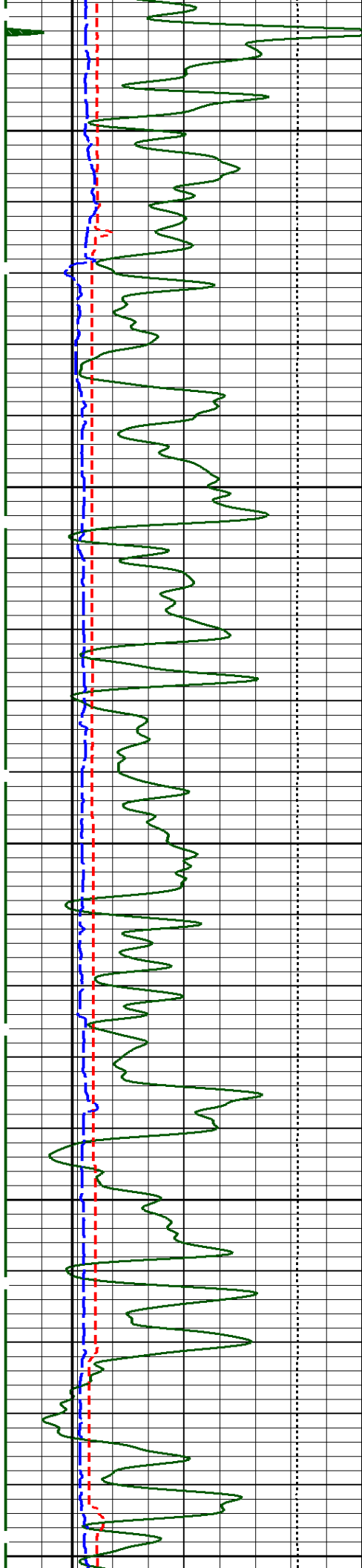


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2900



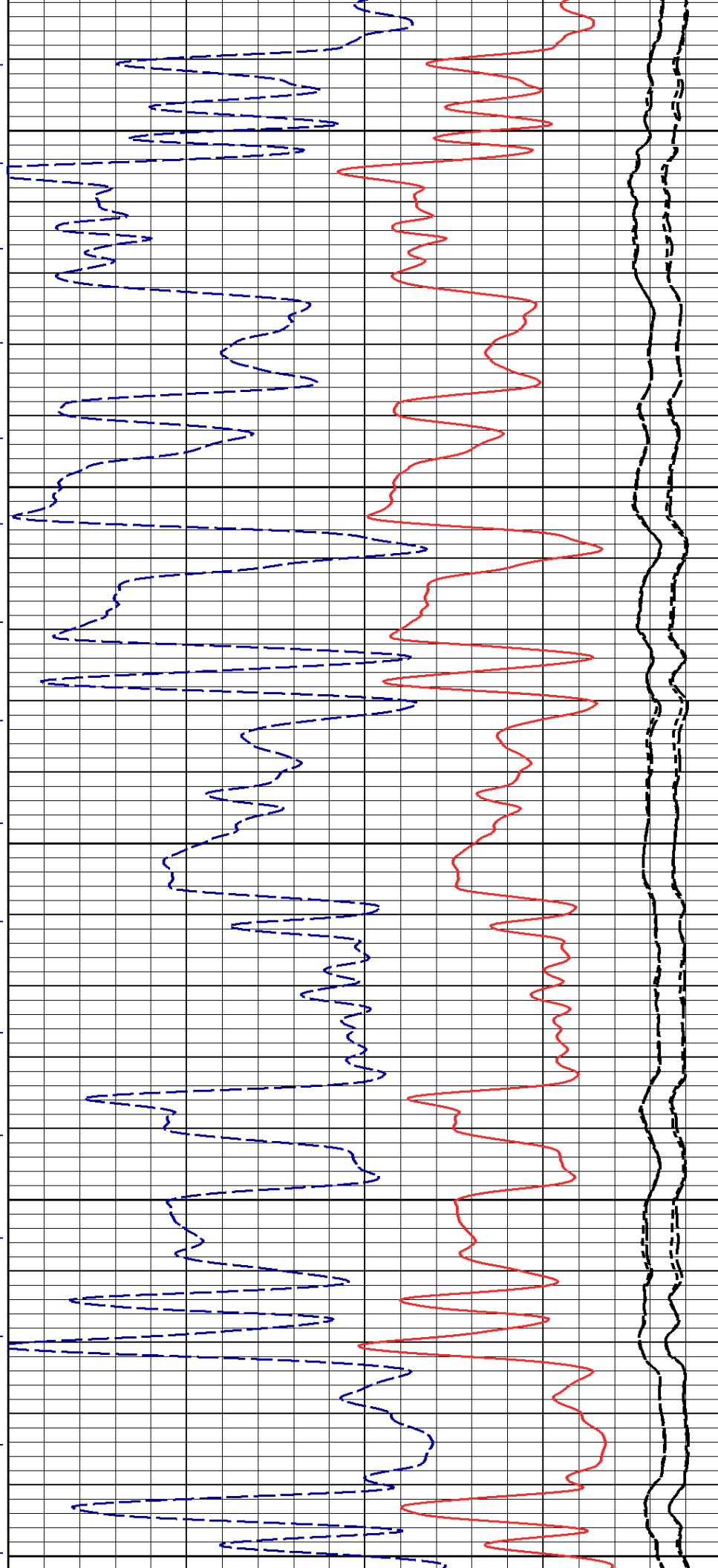


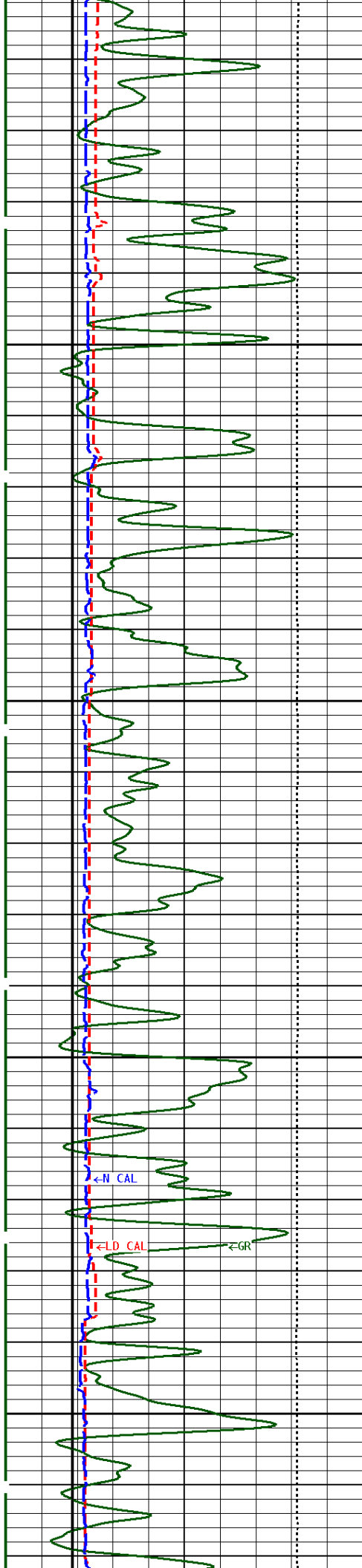


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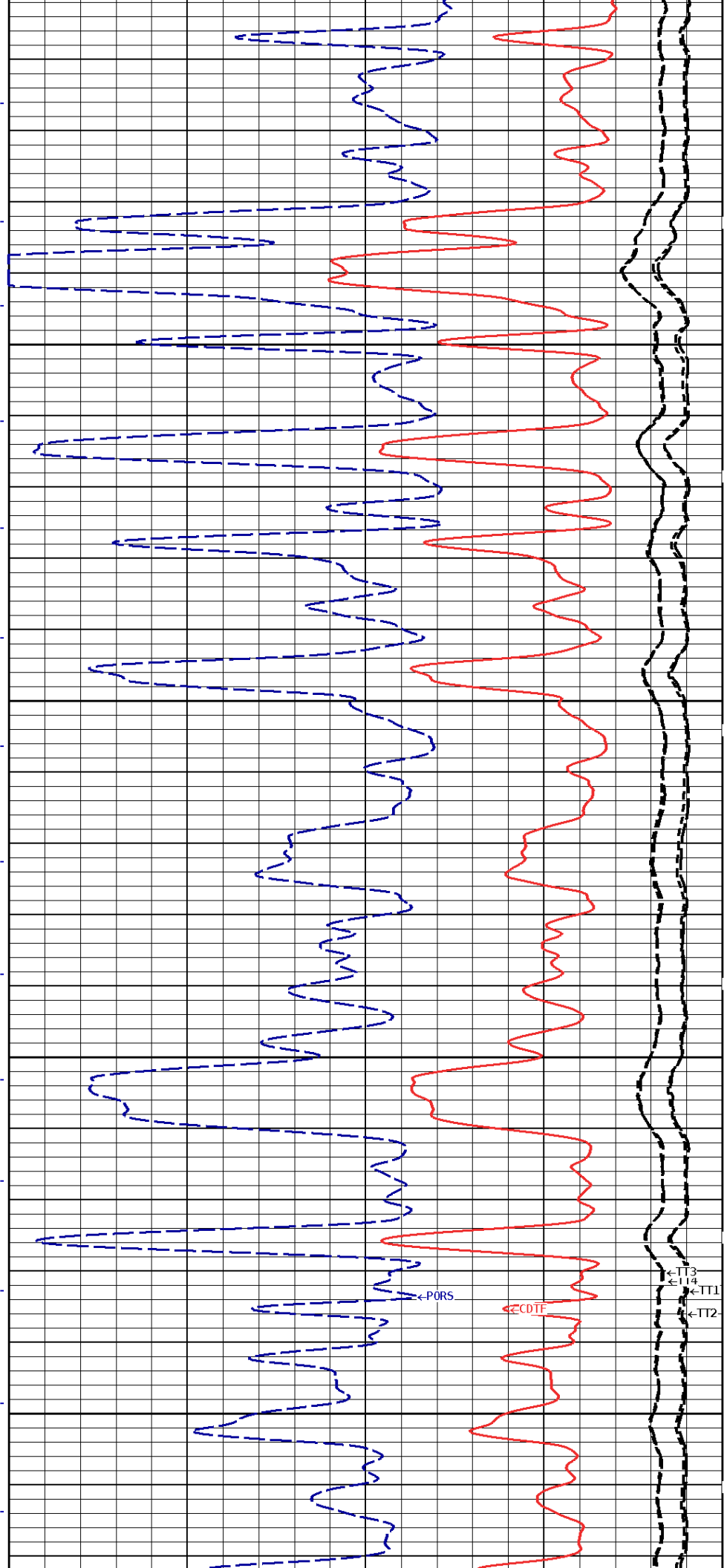
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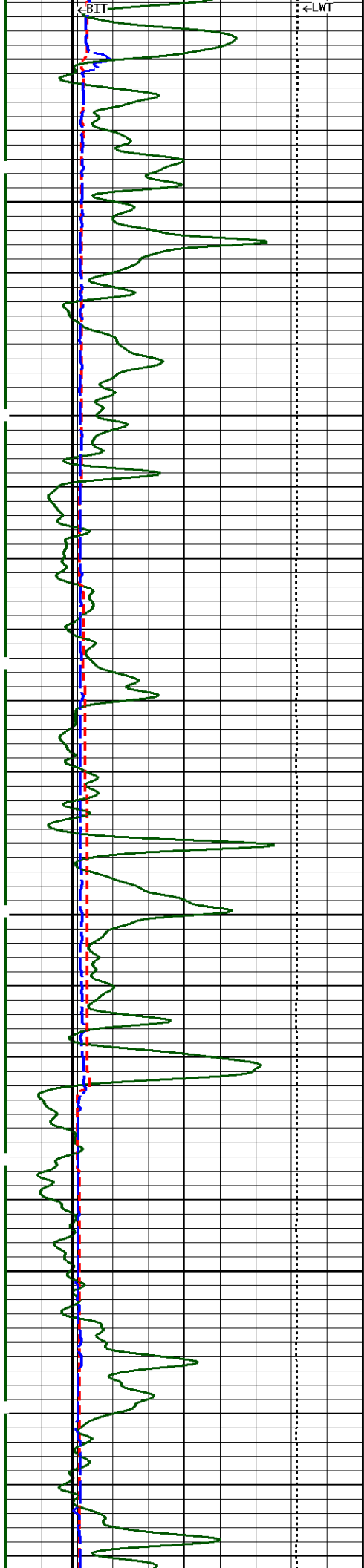




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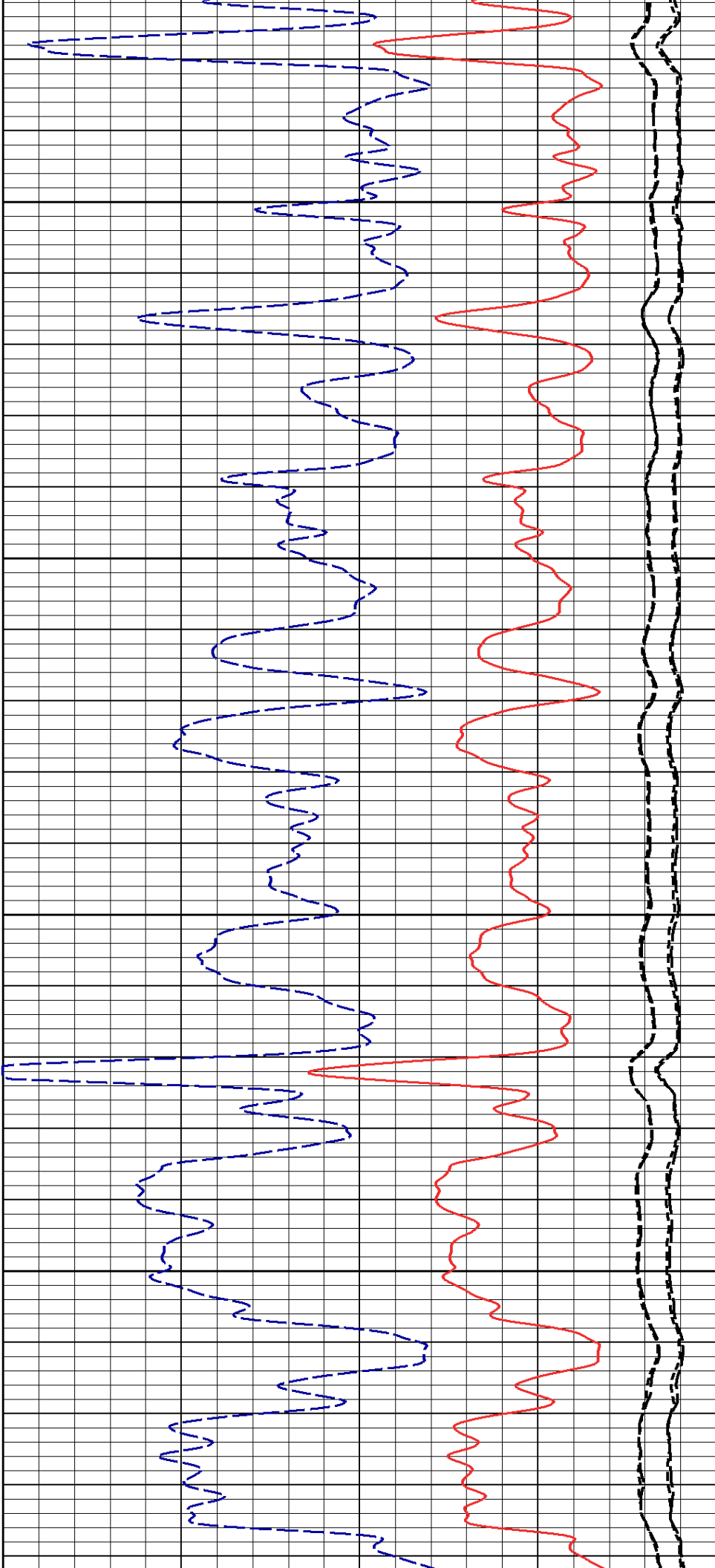
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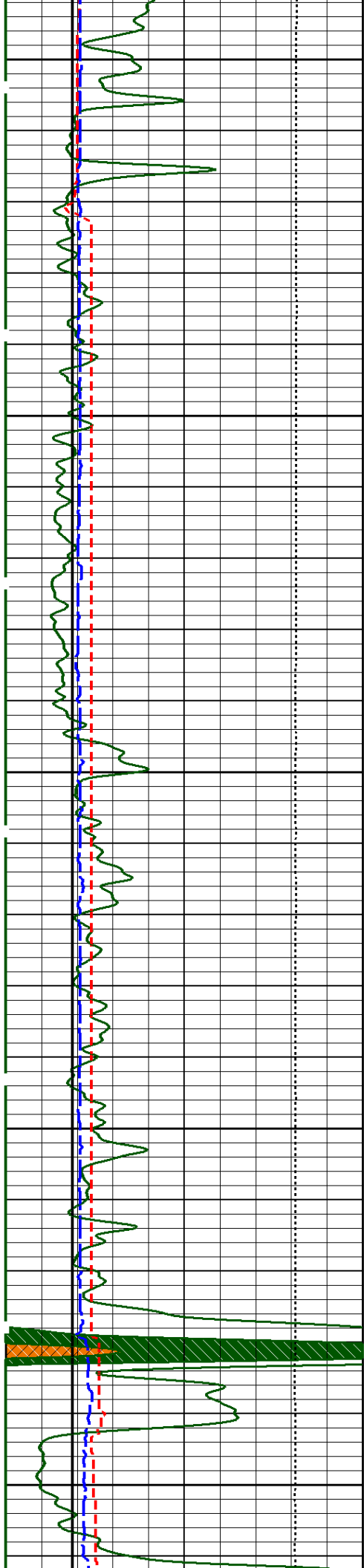




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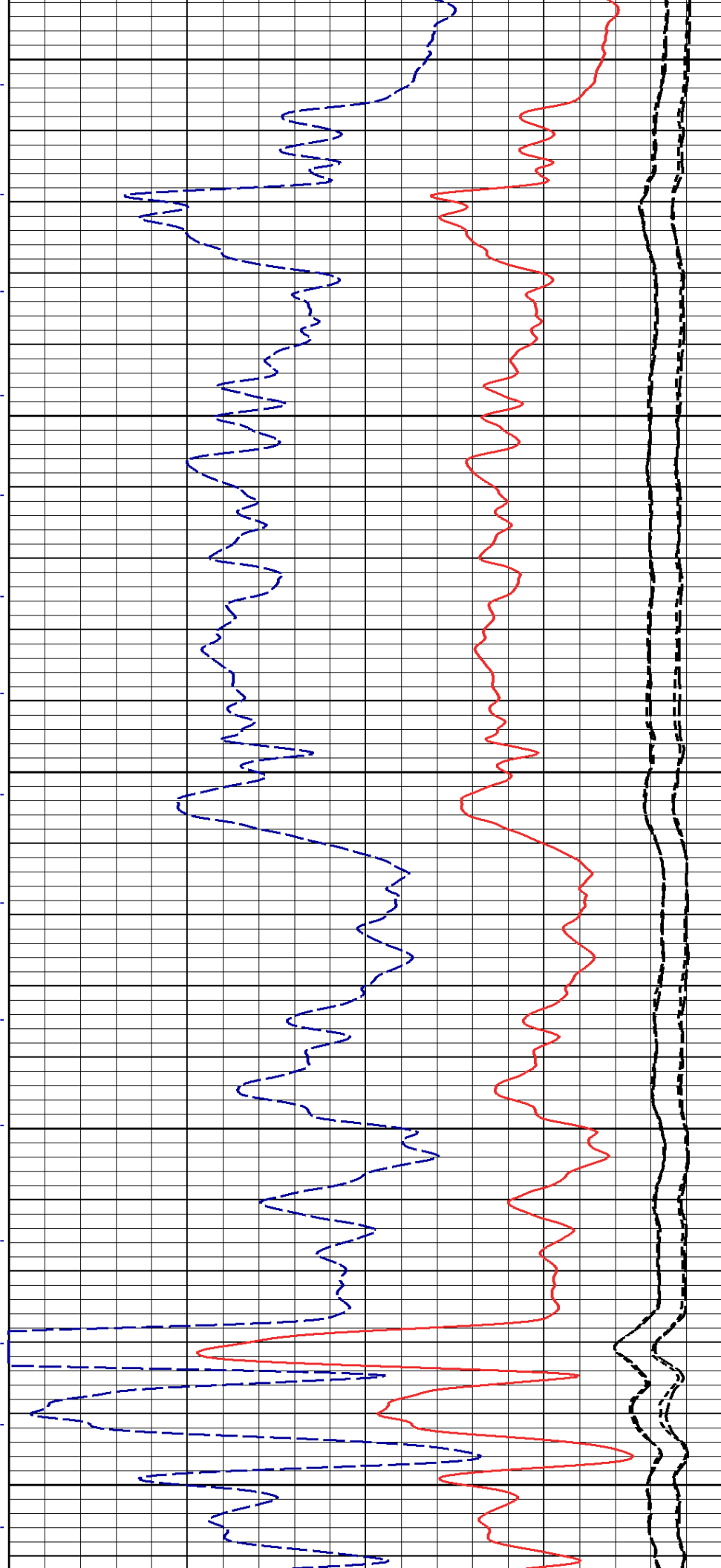
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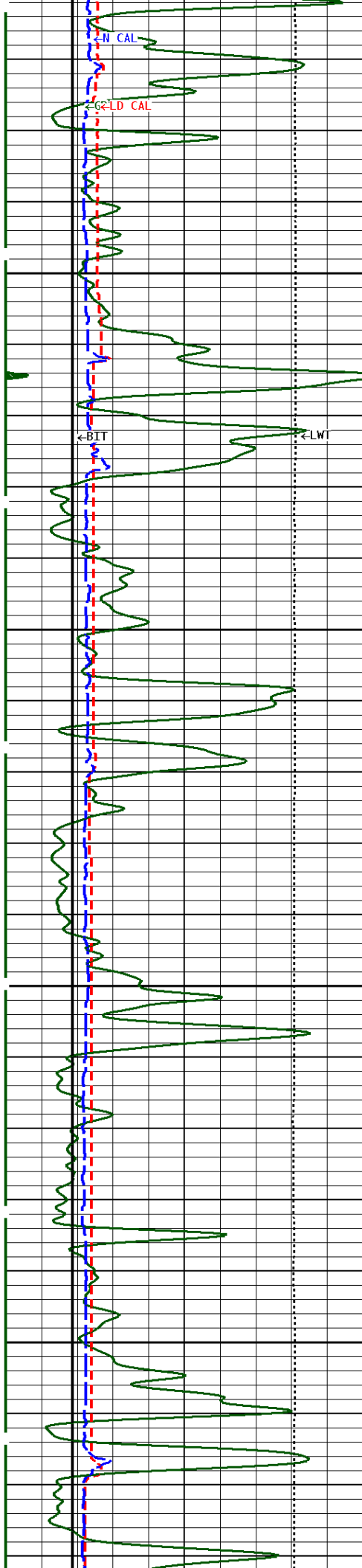




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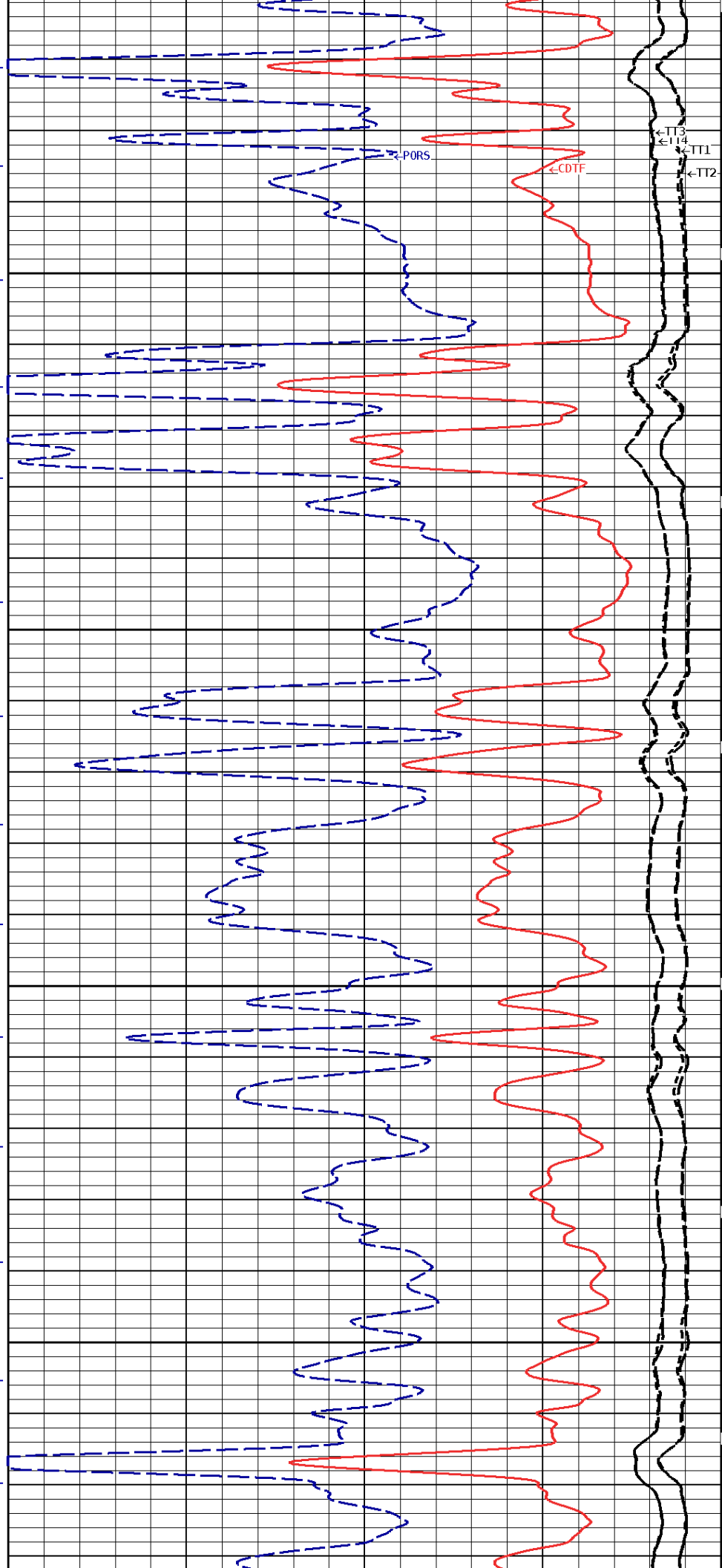
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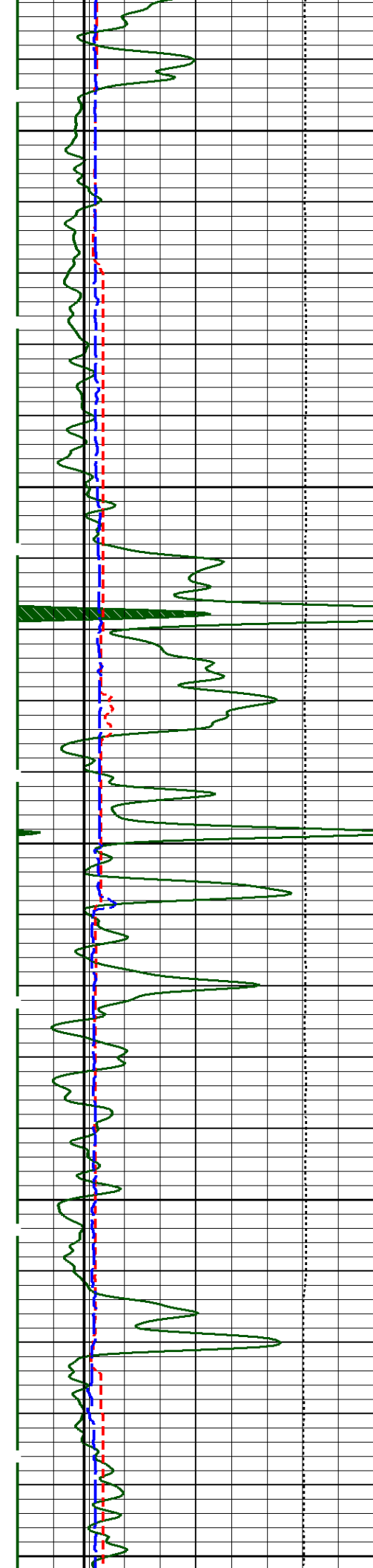




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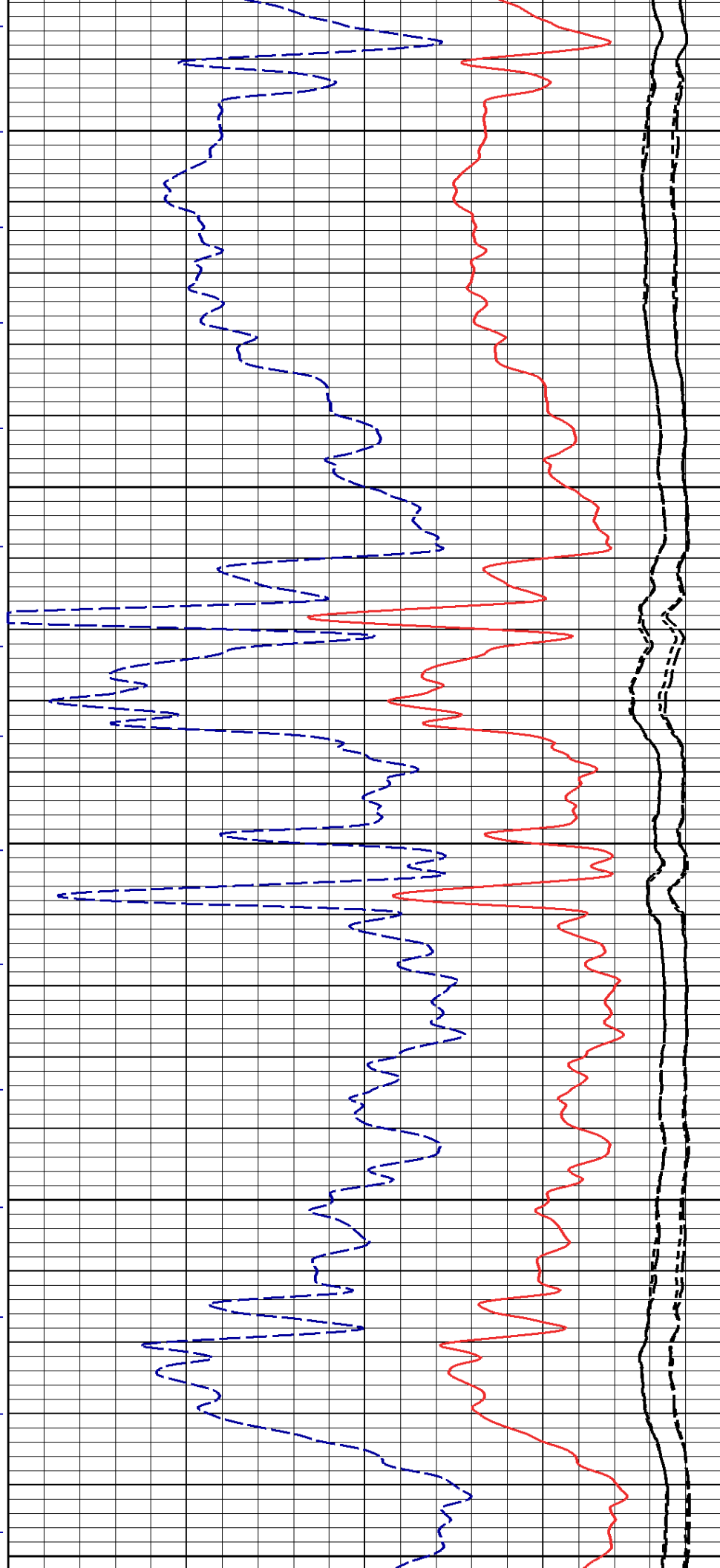


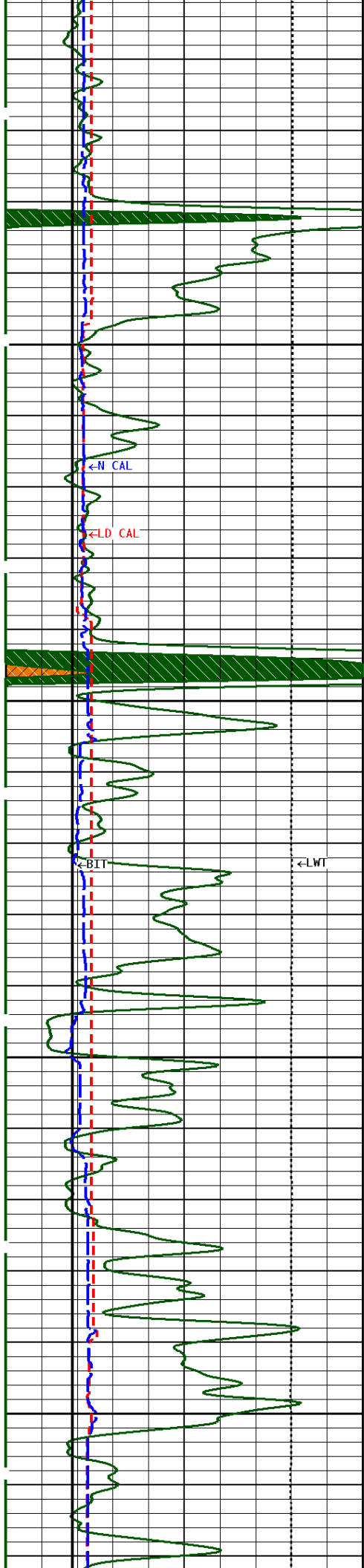


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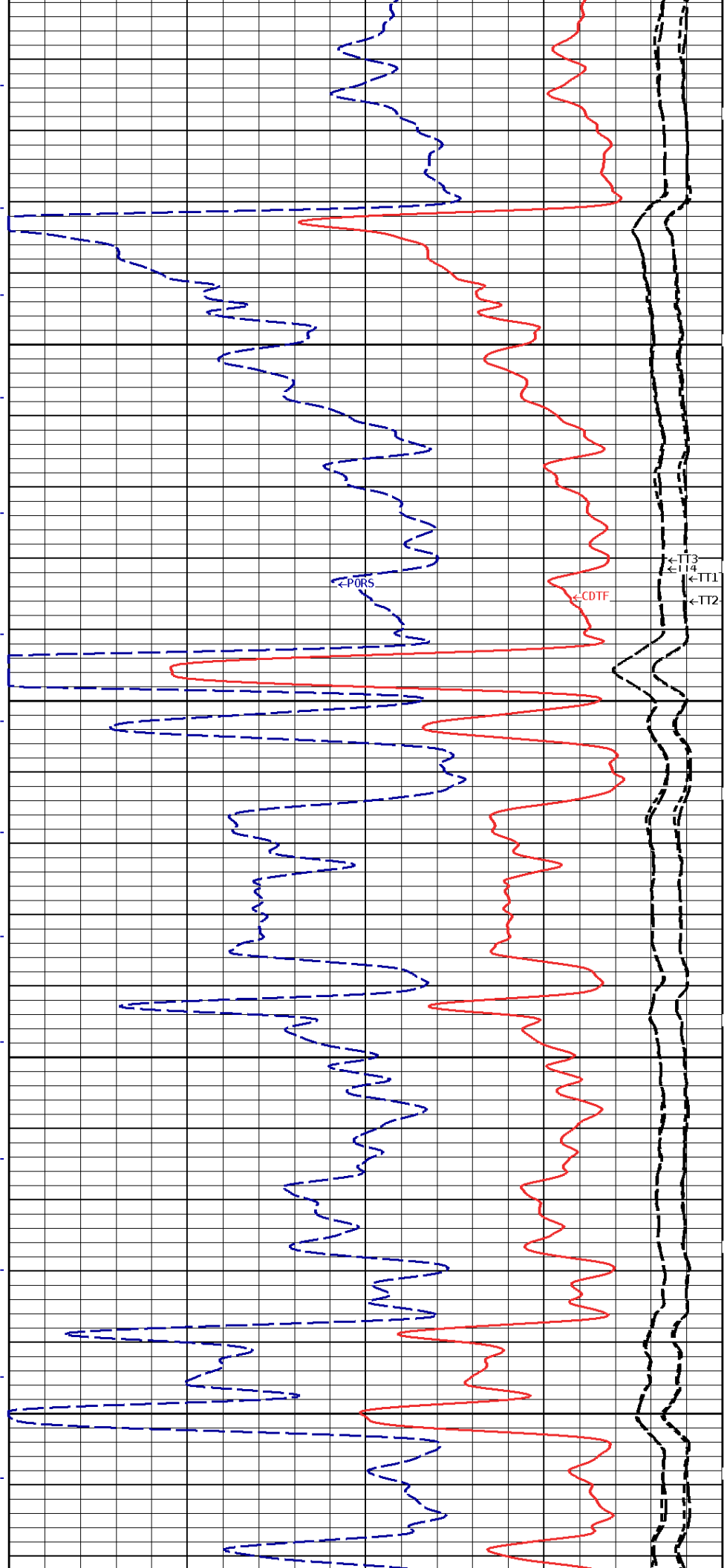
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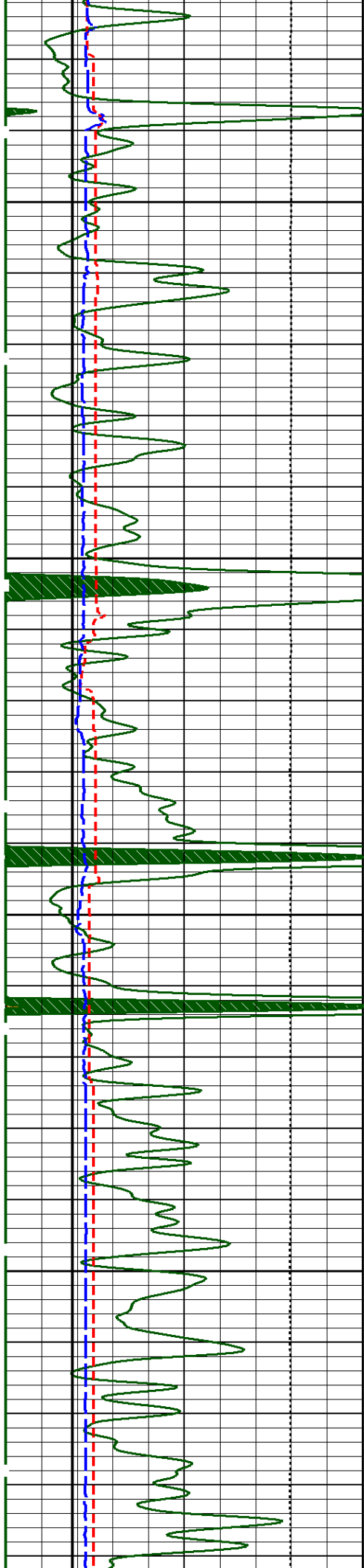




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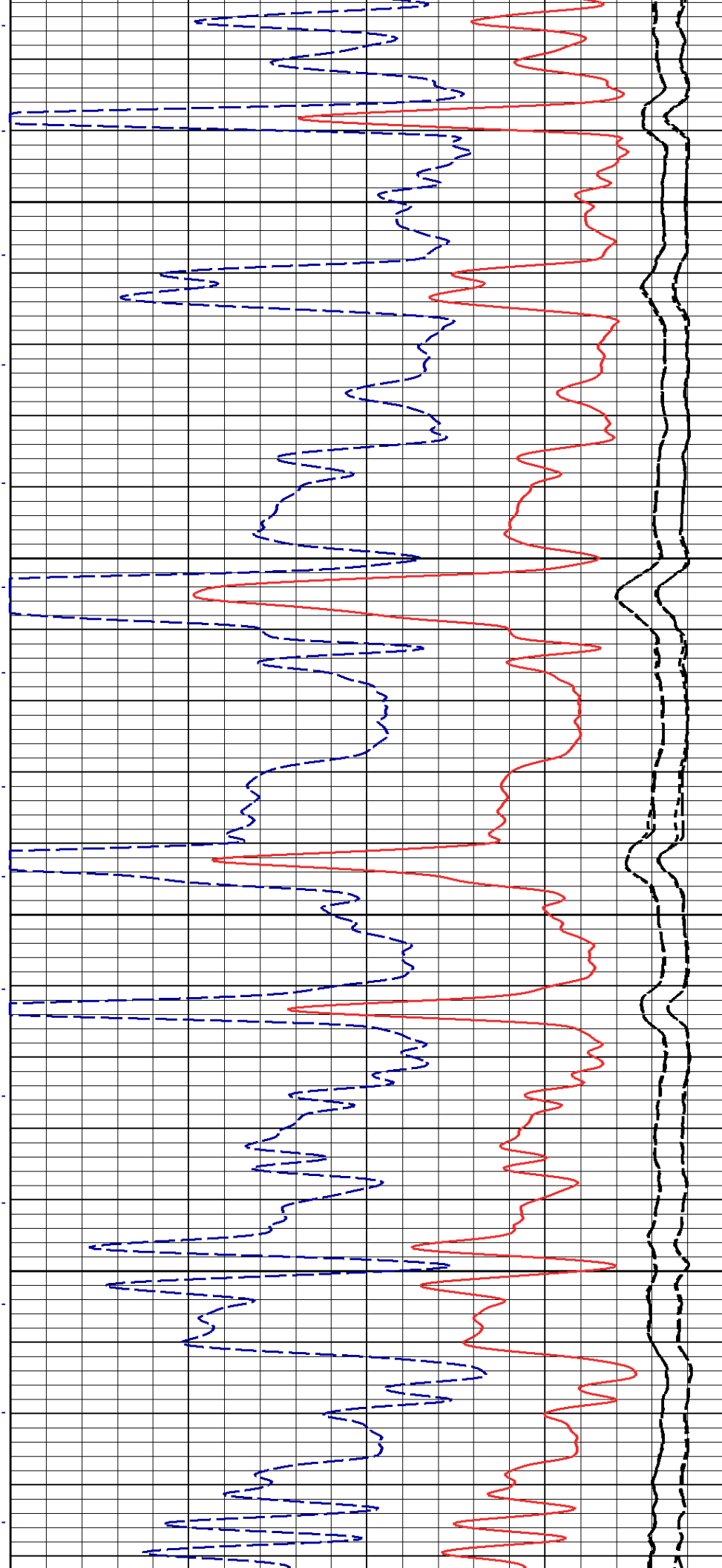
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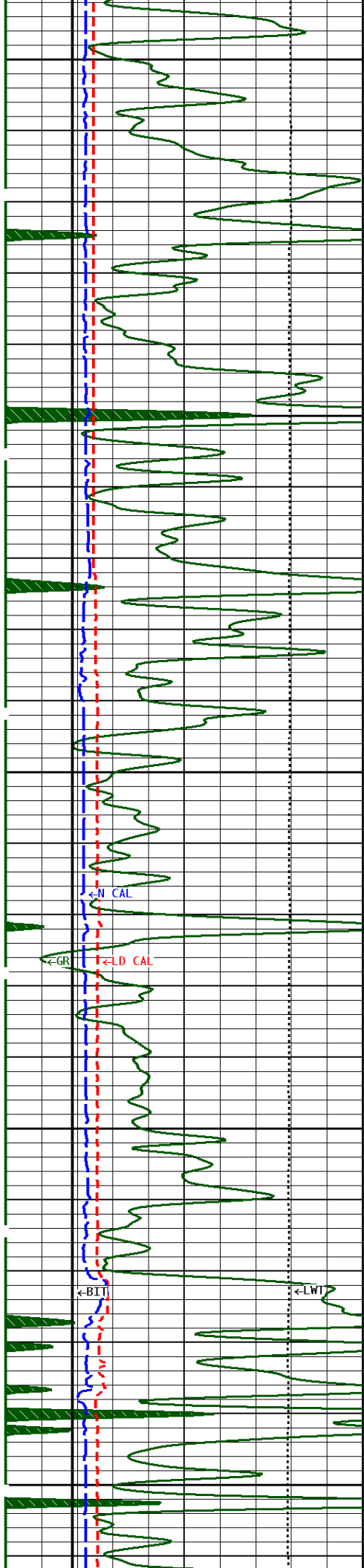




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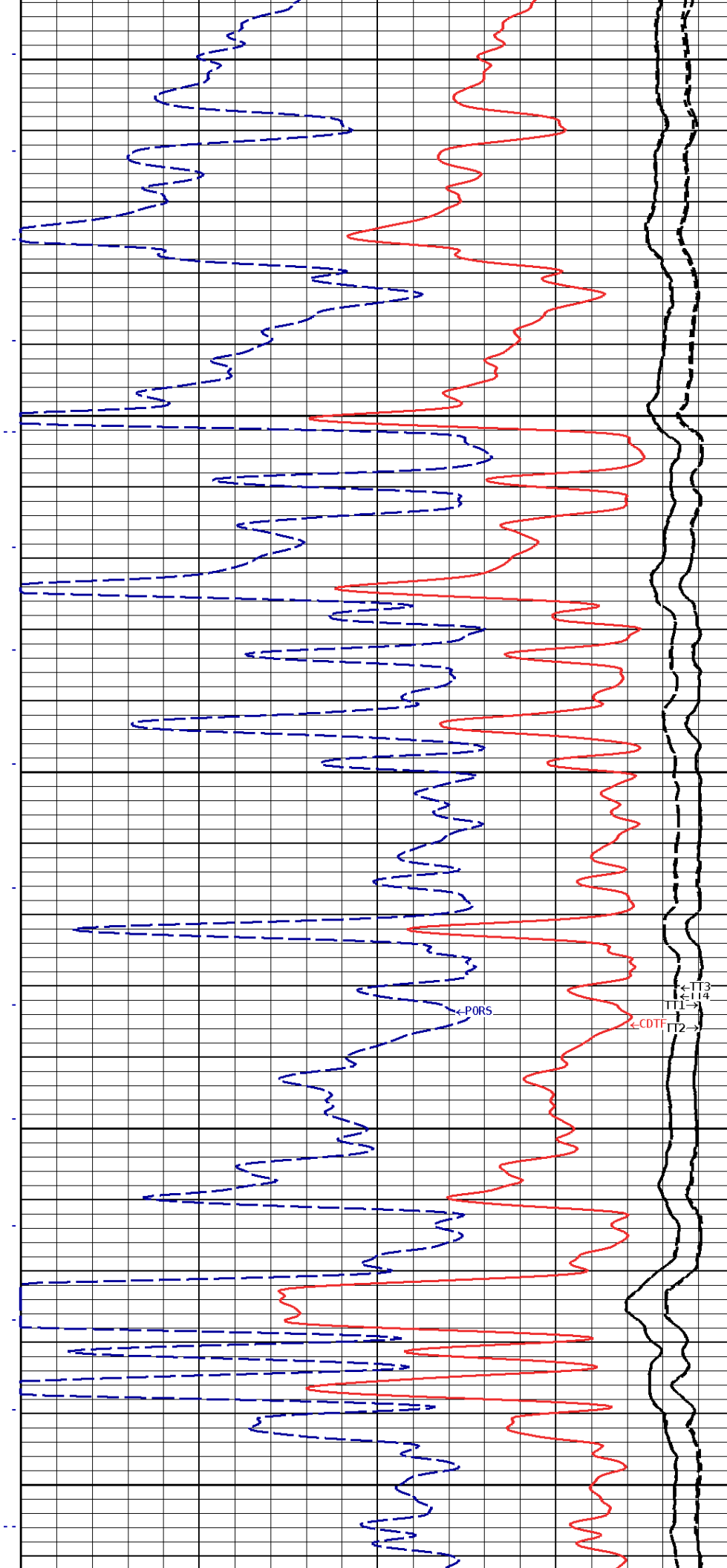
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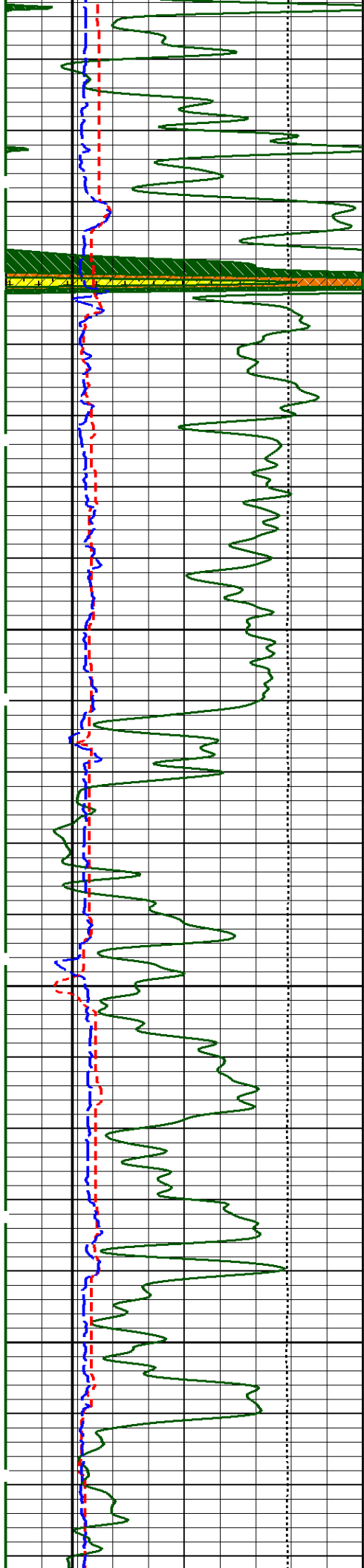




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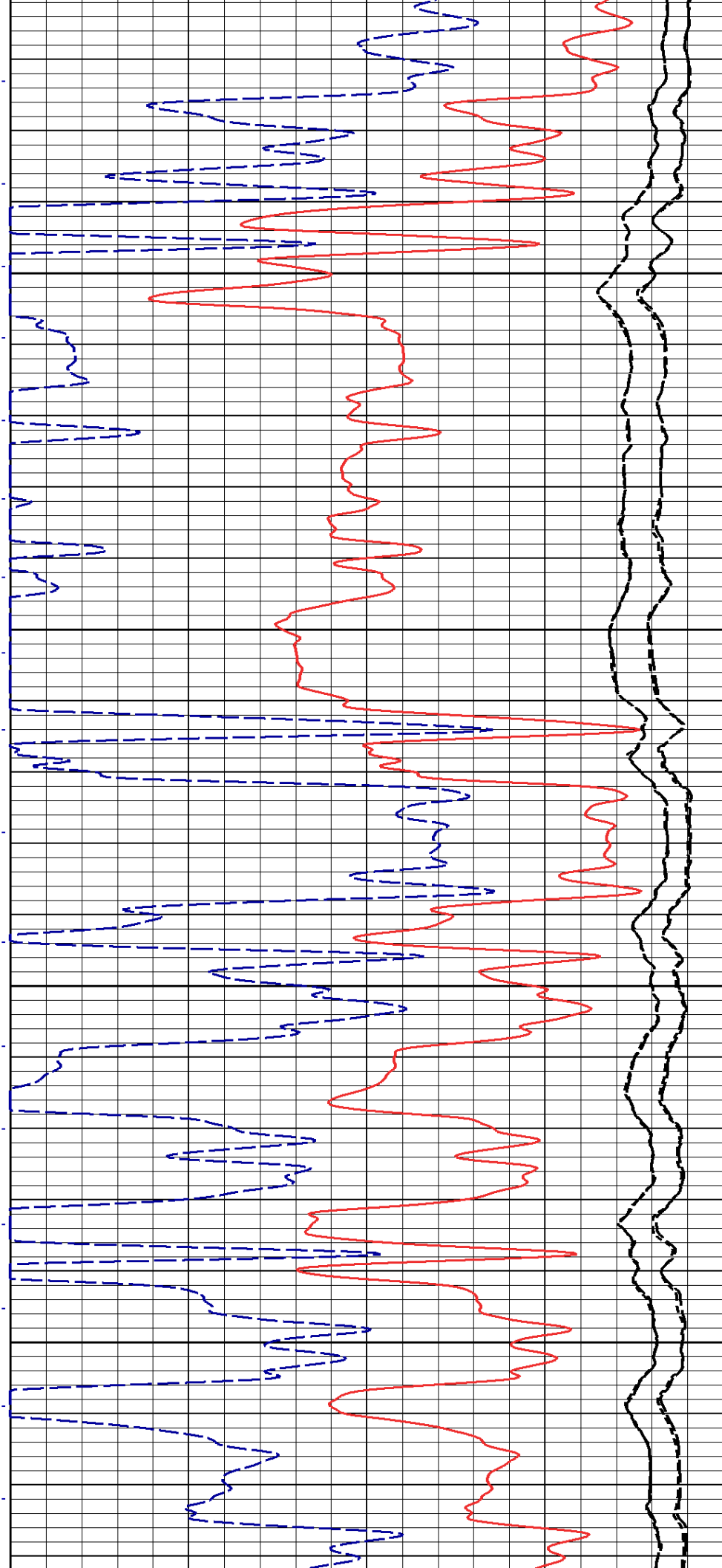
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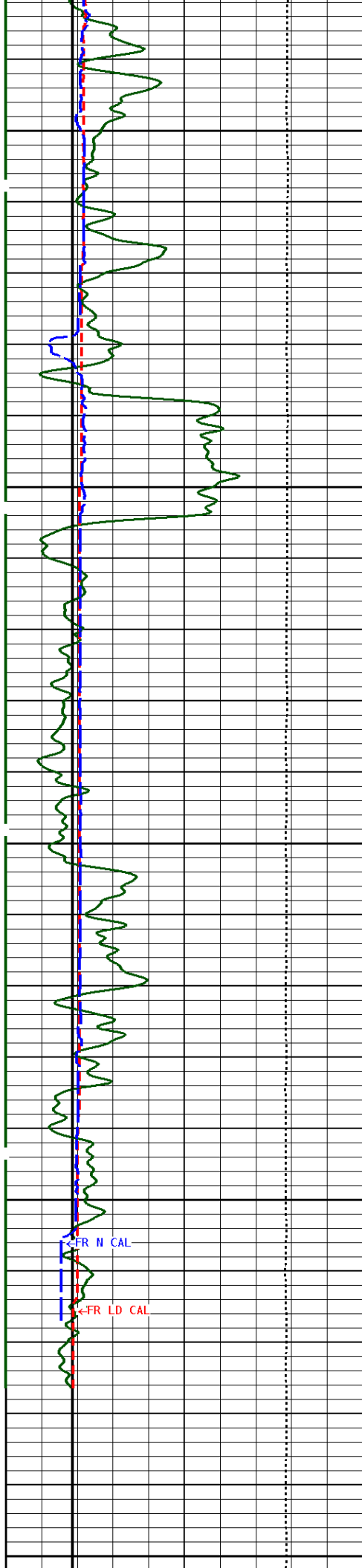




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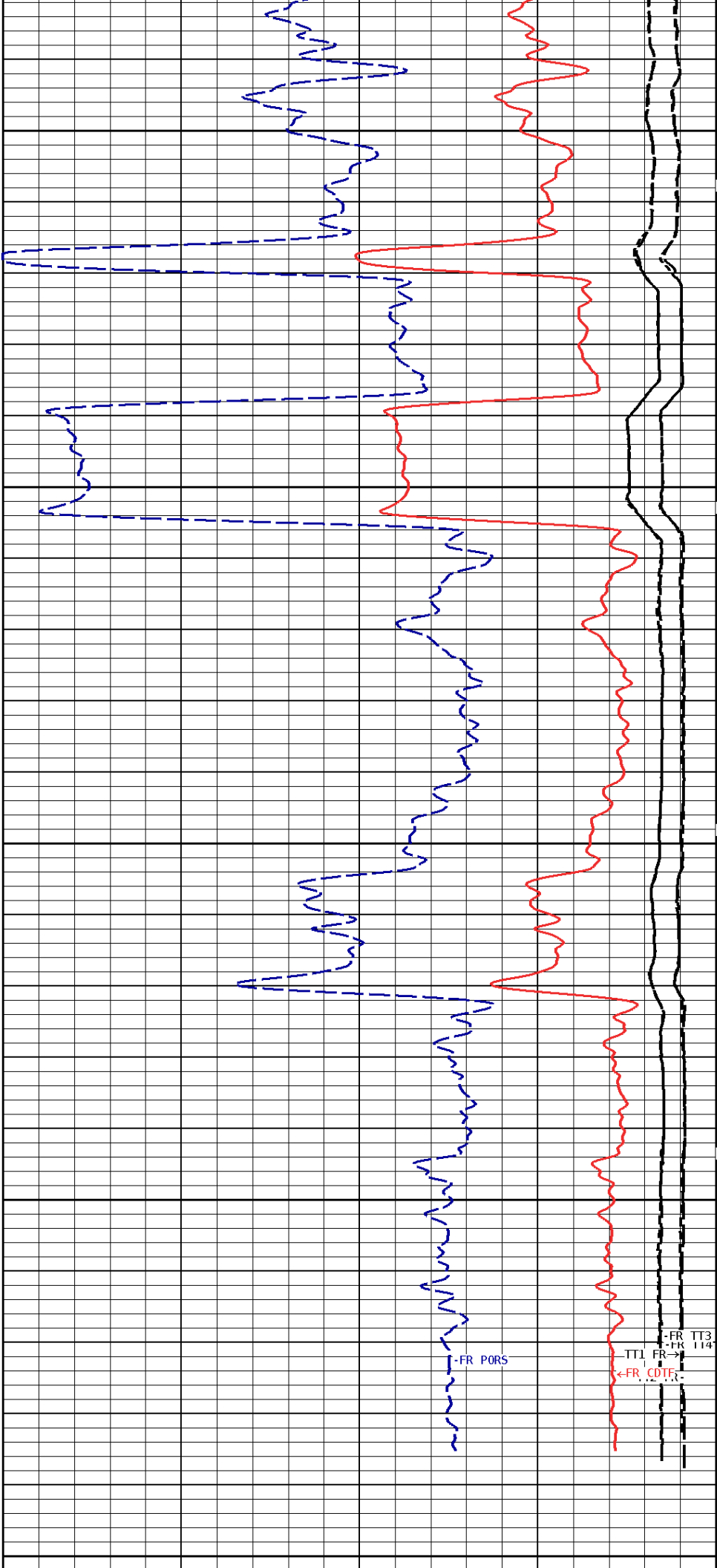




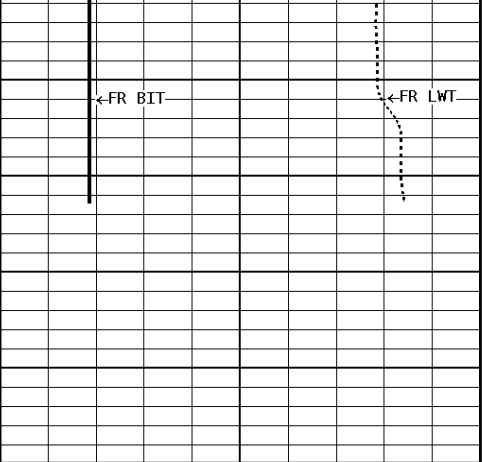
5400

5500

5600



-FR TT3
-FR 114
TT1 FR
-FR CDT
-FR PORS



5612

File #1.5.1

1:240 MAIN SECTION

GAMMA RAY API UNITS	
150 0	300 150
TENSION LBS	
10000	0
BIT SIZE INCHES (IN)	
6	16
DENSITY (X) CALIPER INCHES (IN)	
16 6	26 16
NEUTRON (Y) CALIPER INCHES (IN)	
16 6	26 16

SONIC POROSITY PERCENT	
30	-10
COMPENSATED SONIC TRAVEL TIME uSEC/FT	
240 140	140 40
TT1 uSEC	
950	50
TT2 uSEC	
950	50
TT3 uSEC	
950	50
TT4 uSEC	
950	50

Well File: MERIT ENERGY WENU 403_DEC30_QUINT	Scale: 1:240	Format: CST-240
Segment: V1.D2.S9 REPEAT FINAL	Acquired: 2019-12/30 16:58 3.4.1-13968	
Reference: 0	Processed: 2019-12/31 12:05 3.4.0-13955	

TT4 uSEC	
950	50
TT3 uSEC	
950	50
TT2 uSEC	
950	50

BIT SIZE
INCHES (IN)

616

TENSION
LBS

100000

GAMMA RAY
API UNITS

1500300150

TT1
uSEC

95050

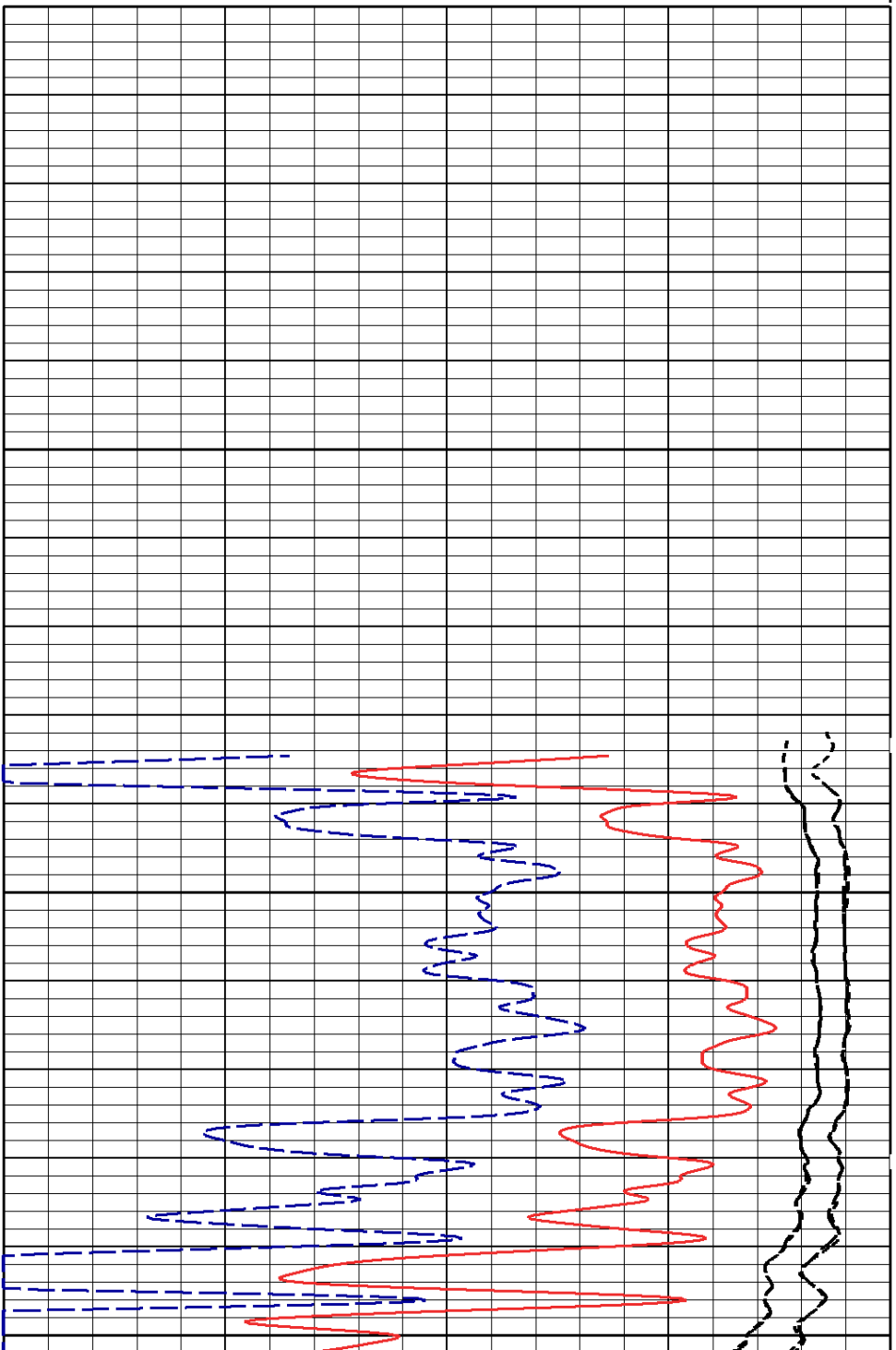
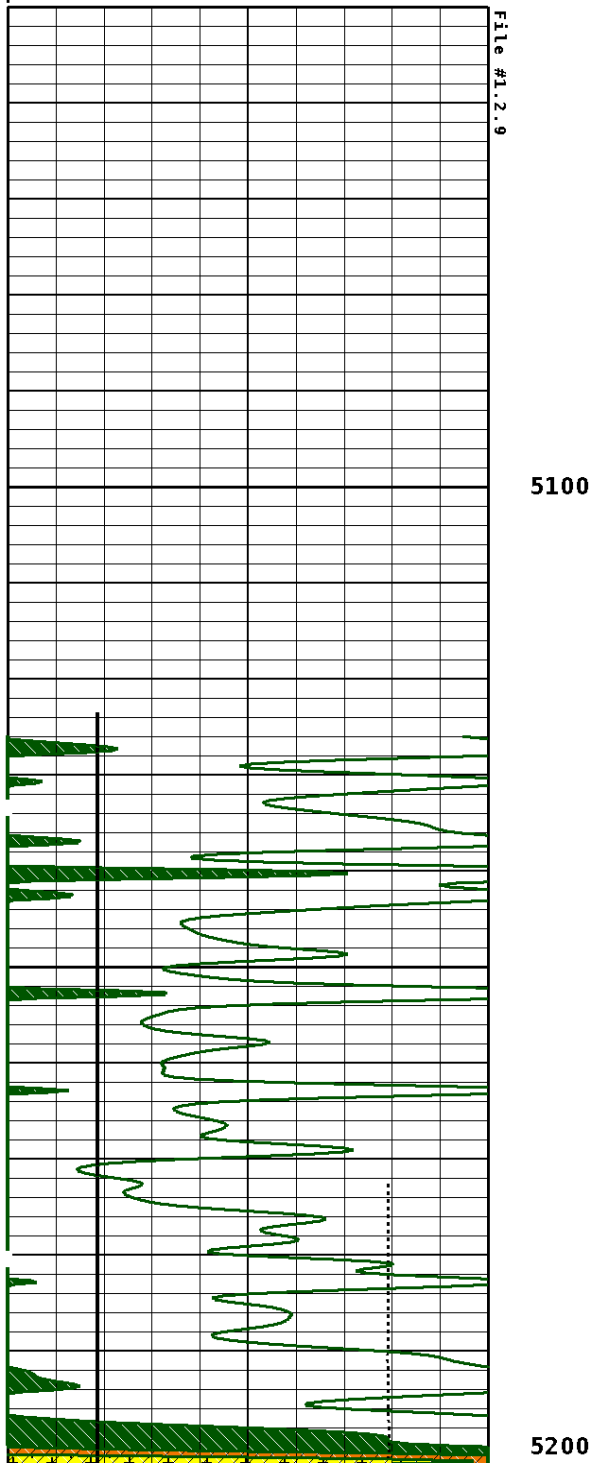
COMPENSATED SONIC TRAVEL TIME
uSEC/FT

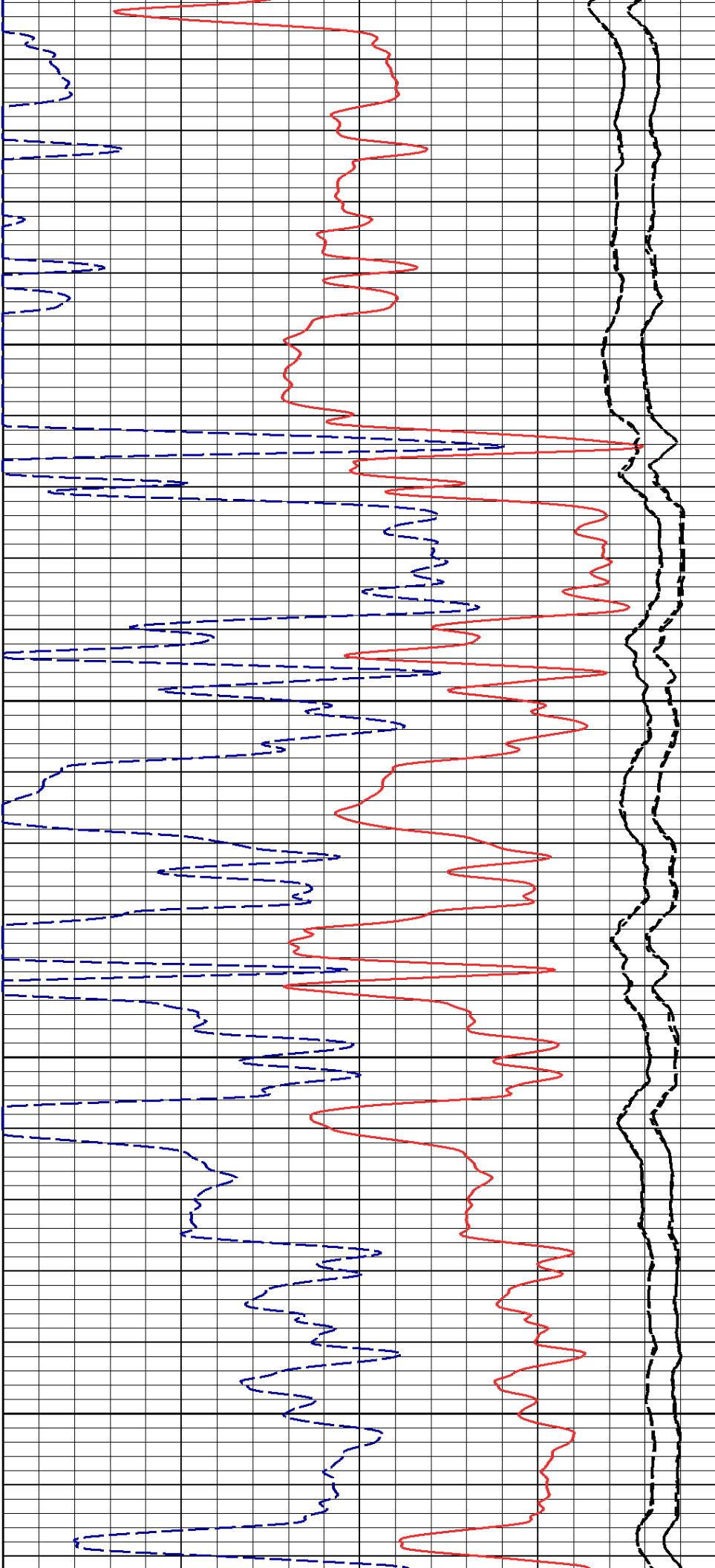
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SONIC POROSITY
PERCENT

30-10

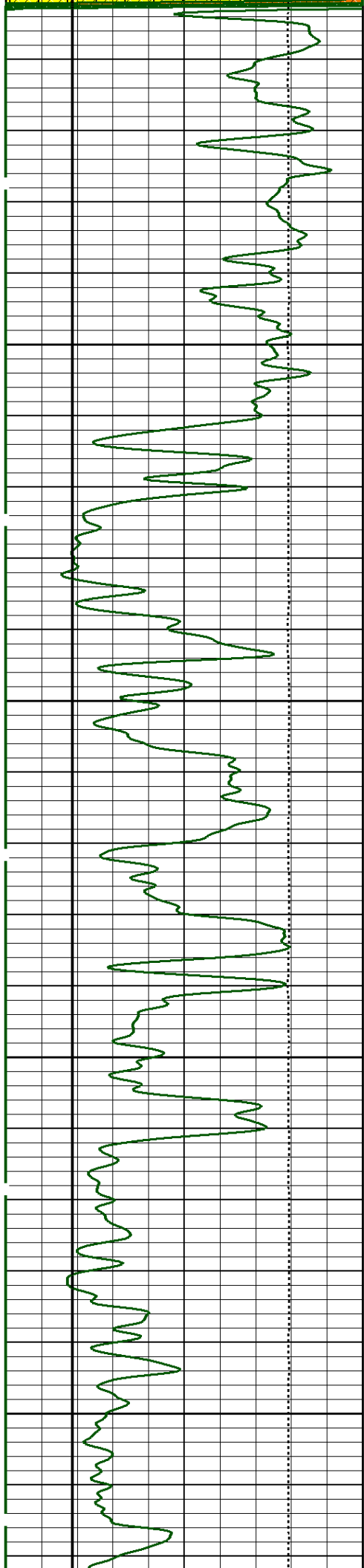
1:240 REPEAT SECTION





5300

5400



1:240 REPEAT SECTION

GAMMA RAY API UNITS	
150 0	300 150
TENSION LBS	
10000	0
BIT SIZE INCHES (IN)	
6	16

SONIC POROSITY PERCENT	
30	-10
COMPENSATED SONIC TRAVEL TIME uSEC/FT	
240 140	140 40
TT1 uSEC	
950	50
TT2 uSEC	
950	50
TT3 uSEC	
950	50
TT4 uSEC	
950	50

* Borehole Zone Factors *

Zone 1	99999.0	to	0.0	Feet
Matrix Transit Time			47.5	us/ft
Fluid Transit Time			189.0	us/ft

* Calibration Summary *

Shop Calibration GRT-B						
Performed : 01-NOV-2019			Time : 10:40			
Sensor Suite : GR-GR5			ID : GRT-BA-14			
	Measured	Units	Calibrated	Units		
	Background	Jig	Jig			
GR	64	323	CPS	160	GRAPI	

Shop Calibration CST-AD						
Performed : 27-SEP-2019			Time : 13:21			
Sensor Suite : SON-ANA			ID : CST-AD-043			
Transit Time						
T/R Pair	Measured	Calibrated	Units			
T1R1	208.5	208.5	uS			
T2R2	208.5	208.5	uS			
T1R2	322.5	322.5	uS			
T2R1	322.5	322.5	uS			
Amplitude						
T/R Pair	Measured	Calibrated	Units			
T1R1	90.00	90.00	mV			
T2R2	90.00	90.00	mV			
T1R2	78.00	78.00	mV			
T2R1	78.00	78.00	mV			

T2R1

78.00

78.00

mv