

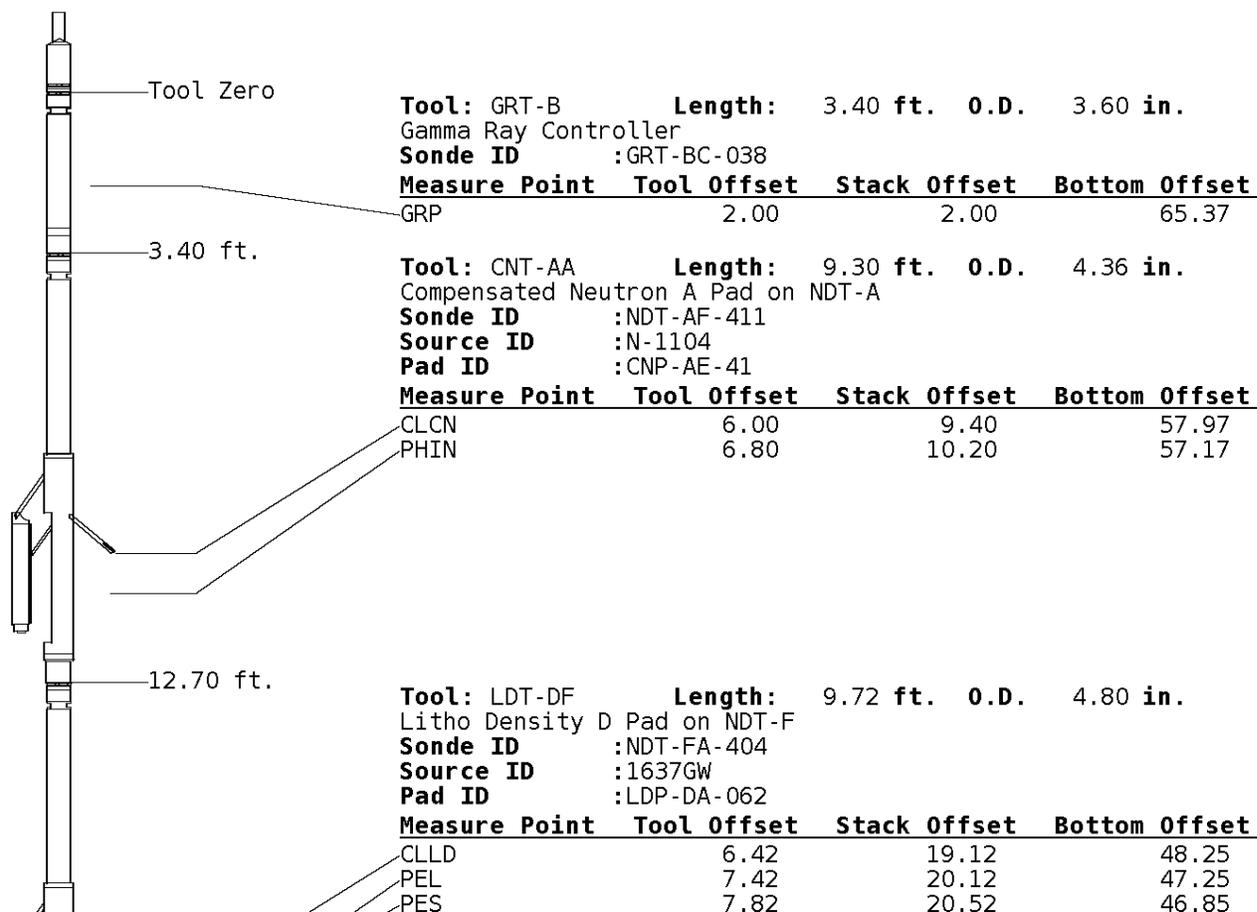
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, CST, MLT AND PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 ANNULAR HOLE VOLUME CALCULATED USING 5.5" PRODUCTION CASING
 PHIN IS CALIPER CORRECTED

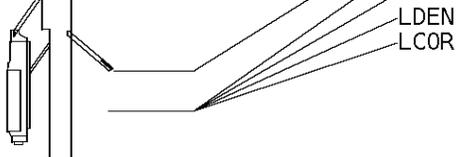
GRT: GRP
 CNT: PHIN, CLCNIN,
 LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN
 CST: PORS, CDTF, TTIPF, TT2PF, TT3PF, TT4PF, ITT
 MLT: NOR_RF, INV_RF, MSCLPIN
 PIT: ILD, ILM, SPU, SFLAEC, CIRD

OPERATORS:
 D. RAGSDALE
 J. VAUGHN
 D.LEGLEITER
 Z.AL SUDANI

Tool String Schematic

Total Tool Length - 67.37 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 1171.00 lbs.



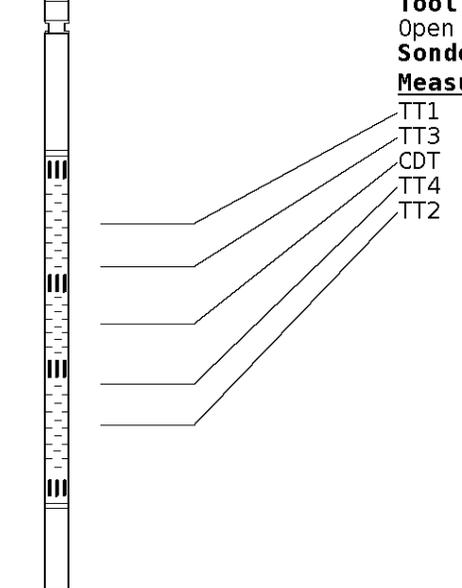


7.62 20.32 47.05
 7.62 20.32 47.05

22.42 ft.

Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
 Open Hole Sonic
Sonde ID :CST-AB-21

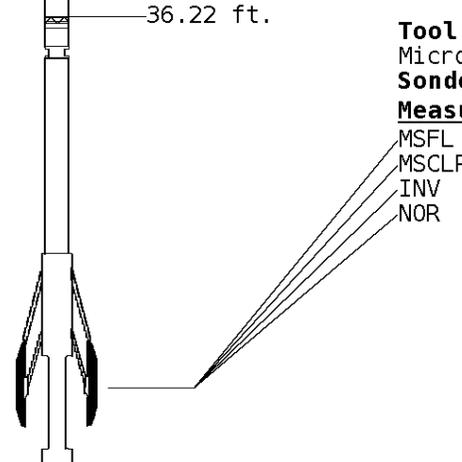
Measure Point	Tool Offset	Stack Offset	Bottom Offset
TT1	4.80	27.22	40.15
TT3	5.80	28.22	39.15
CDT	7.30	29.72	37.65
TT4	8.80	31.22	36.15
TT2	9.80	32.22	35.15



36.22 ft.

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC,D)
Sonde ID :MST-DA-36

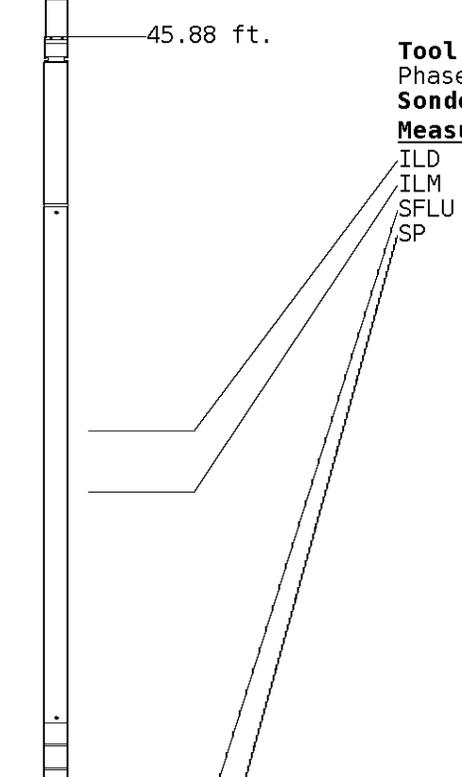
Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	43.82	23.55
MSCLP	7.60	43.82	23.55
INV	7.60	43.82	23.55
NOR	7.60	43.82	23.55



45.88 ft.

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-043

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	54.80	12.56
ILM	10.10	55.98	11.39
SFLU	17.49	63.37	4.00
SP	20.60	66.48	0.88



LWT 67.37 ft.

Well File: MERIT CORA 1-16 FEB-28_QST

Scale: 1:240

Format: CST-240

Segment: V1.D1.S5 Reprocess MAIN

Acquired: 2020-02/29 00:34 3.4.1-13972

Reference: 0

Processed: 2020-02/29 02:11 3.4.1-13972

NEUTRON (Y) CALIPER
INCHES (IN)

16 26
6 16

DENSITY (X) CALIPER
INCHES (IN)

16 26
6 16

BIT SIZE
INCHES (IN)

6 16

TENSION
LBS

10000 0

GAMMA RAY
API UNITS

150 300
0 150

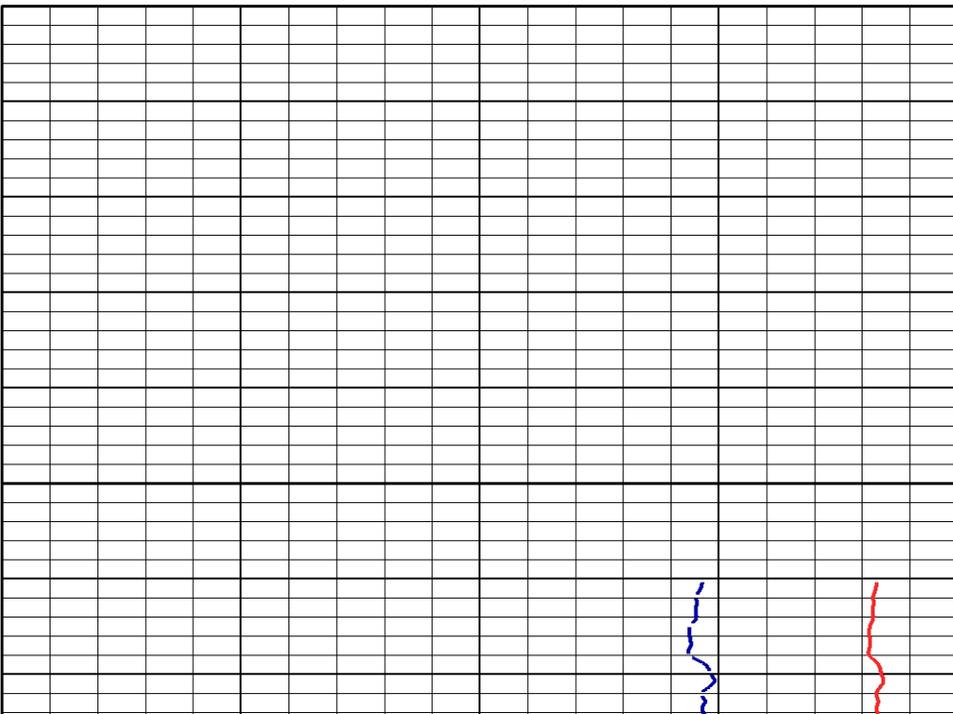
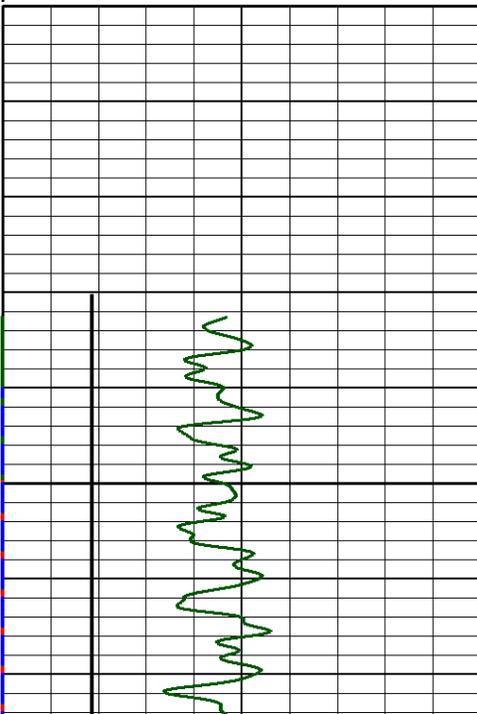
COMPENSATED SONIC TRAVEL TIME
uSEC/FT

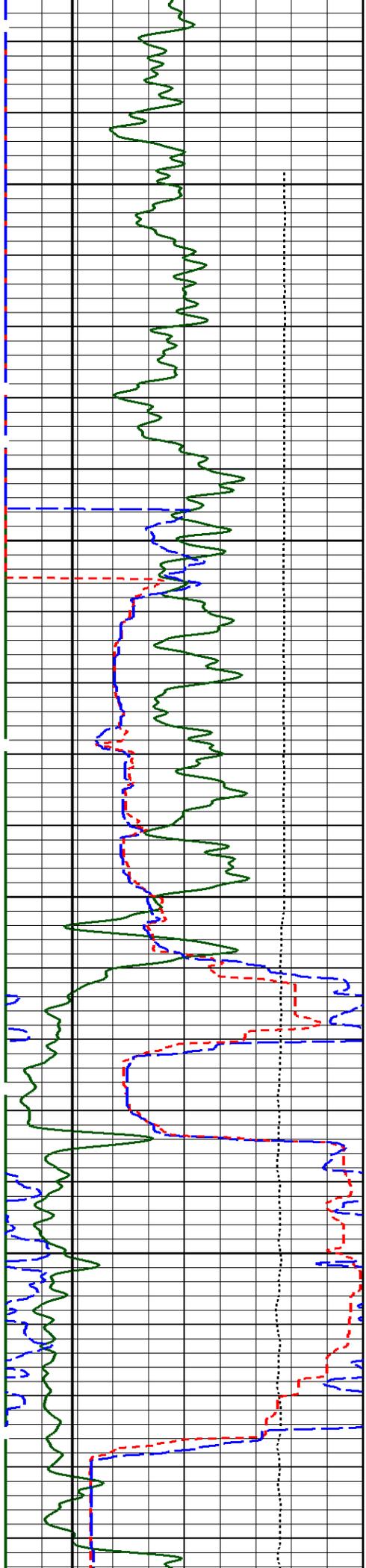
240 140
140 40

SONIC POROSITY
PERCENT

30 -10

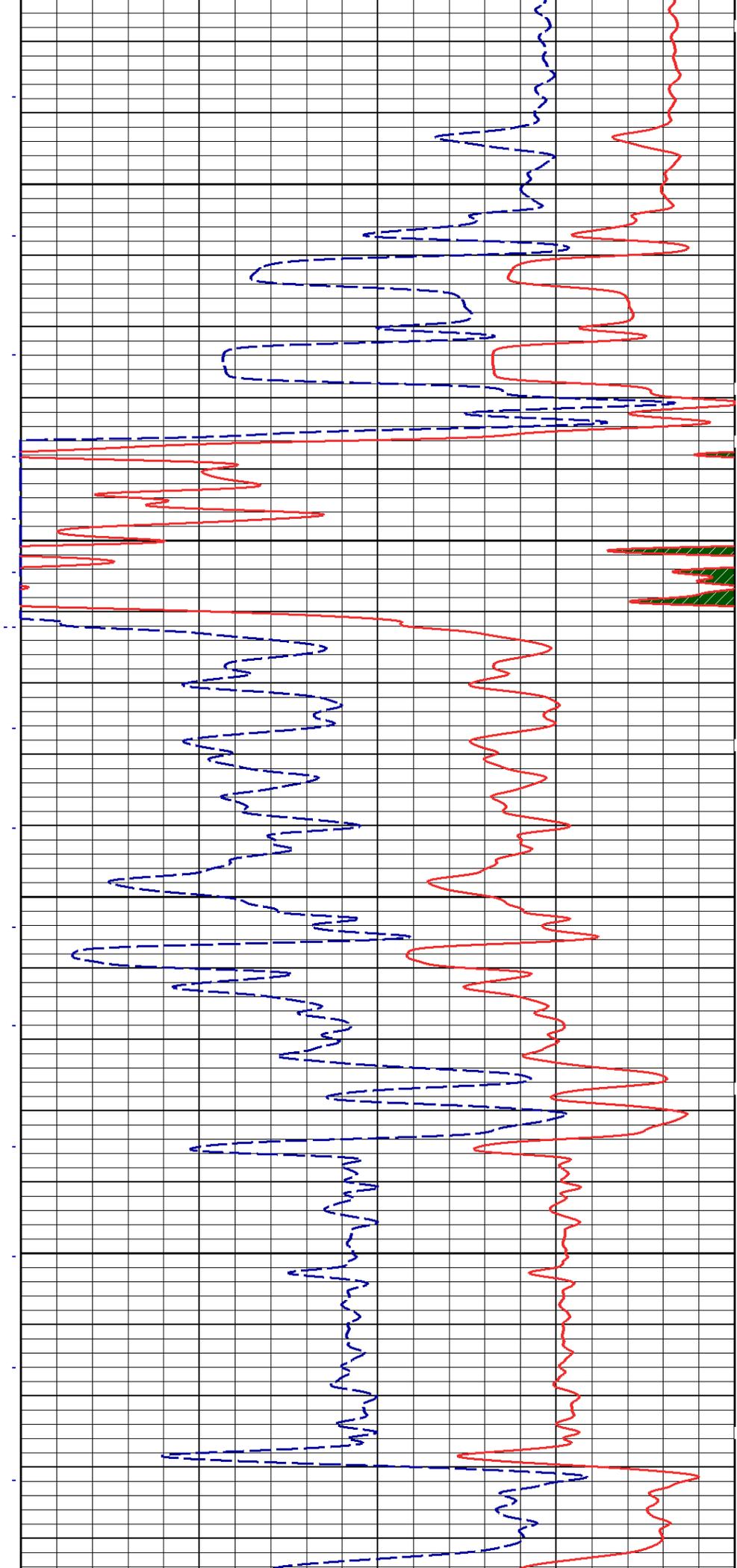
1:240 MAIN SECTION

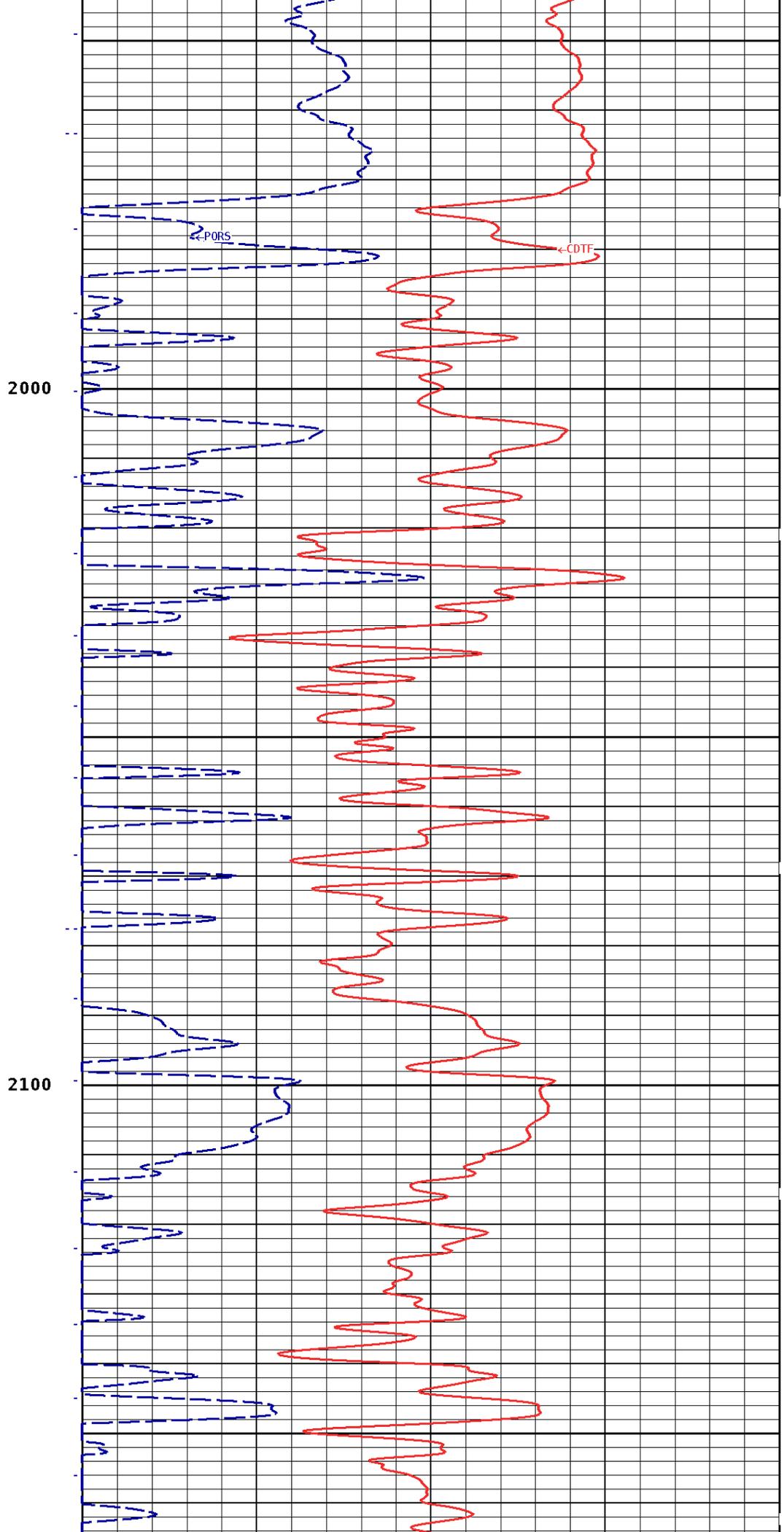
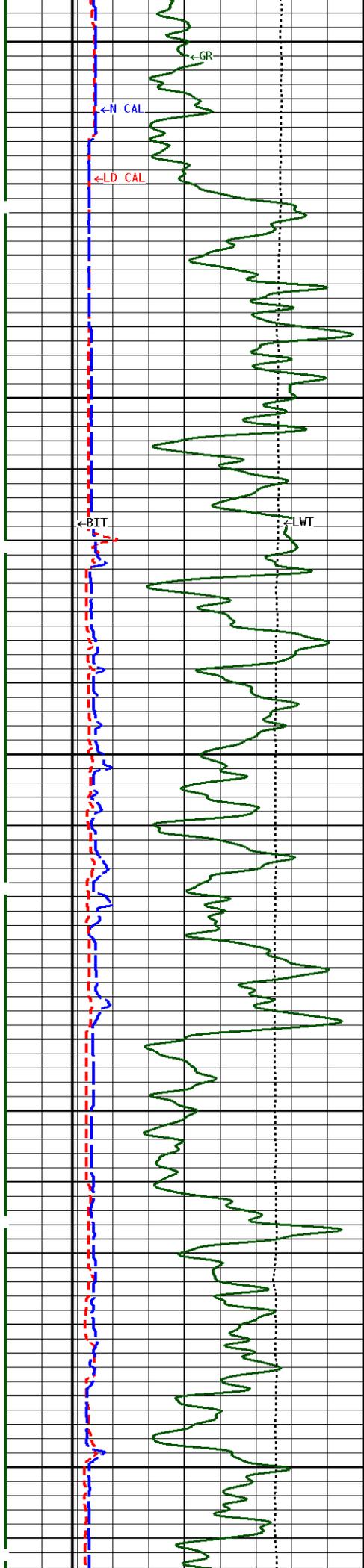


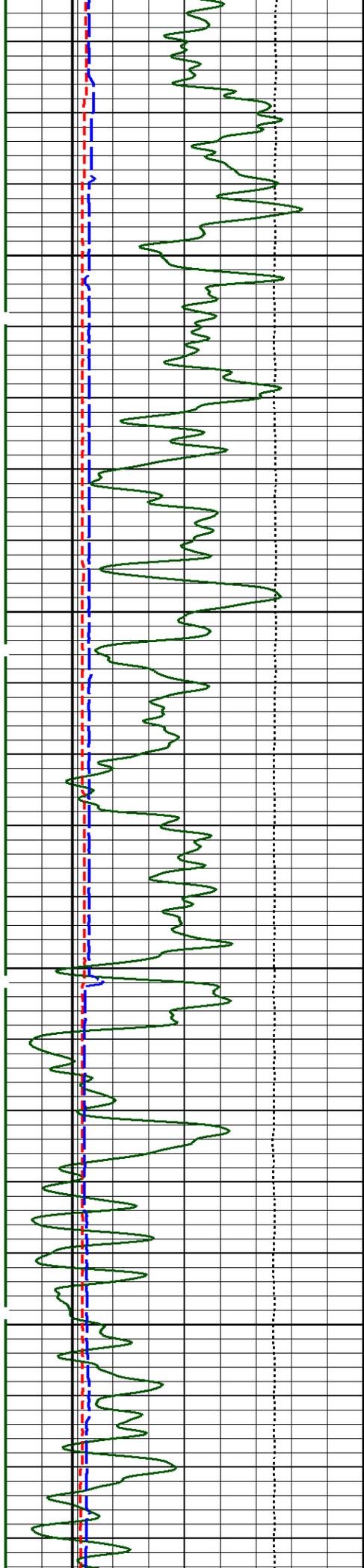


1800

1900

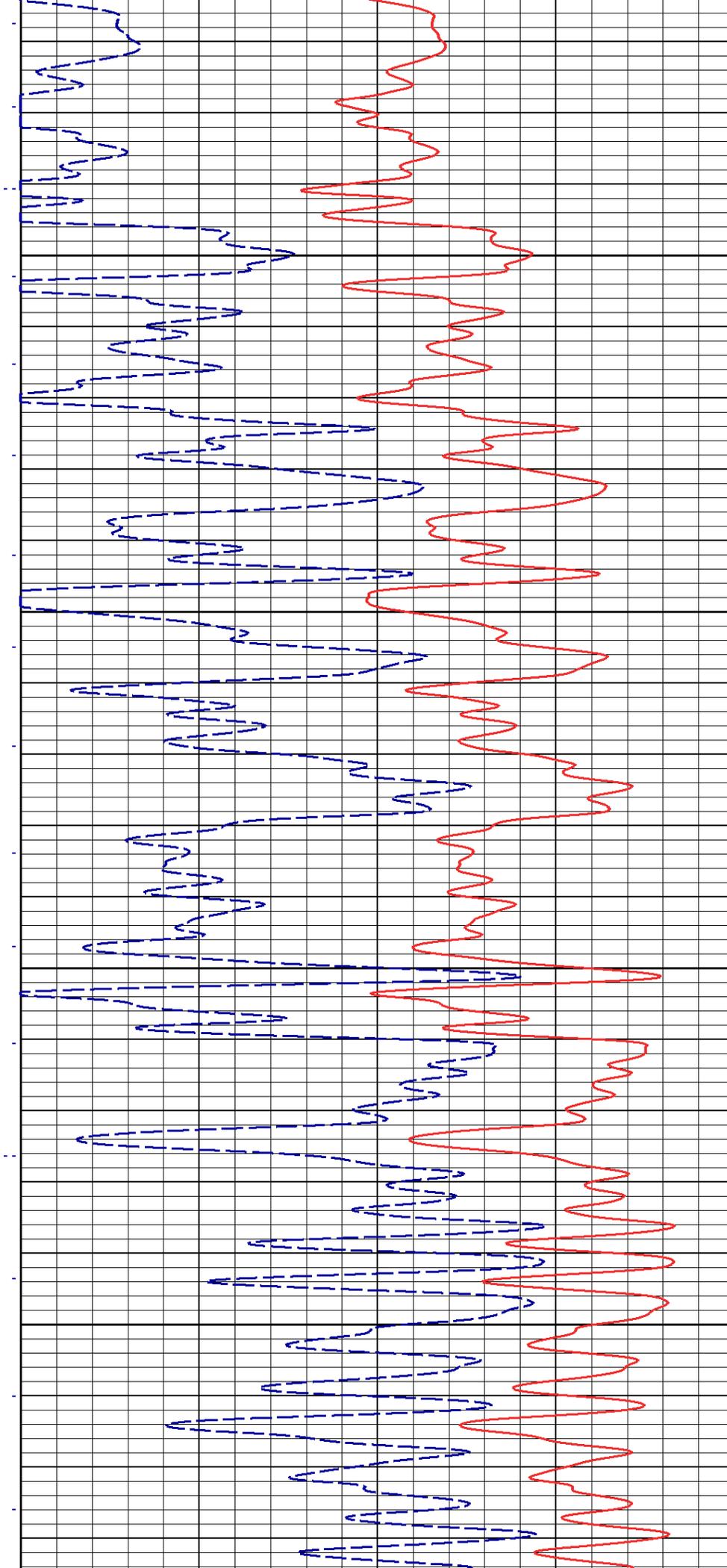


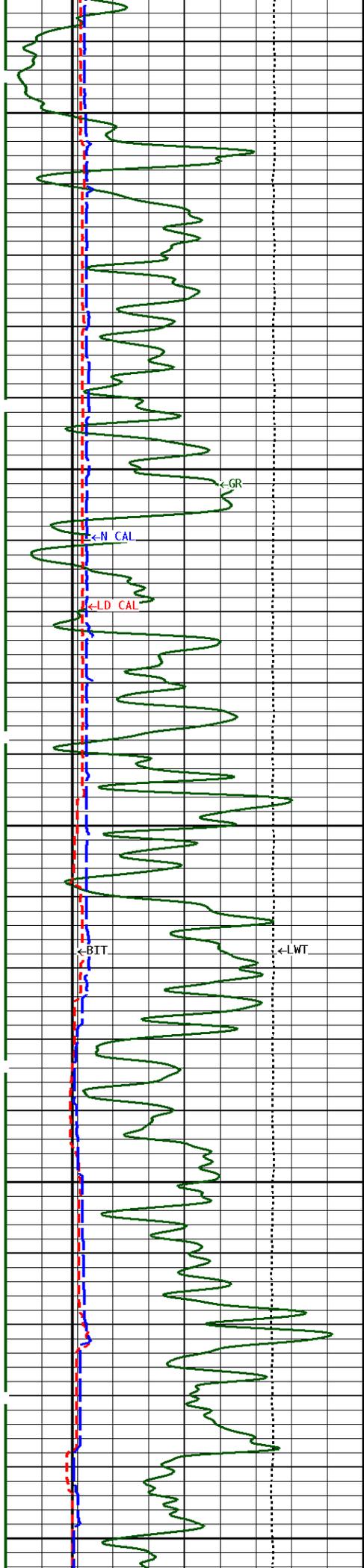




2200

2300

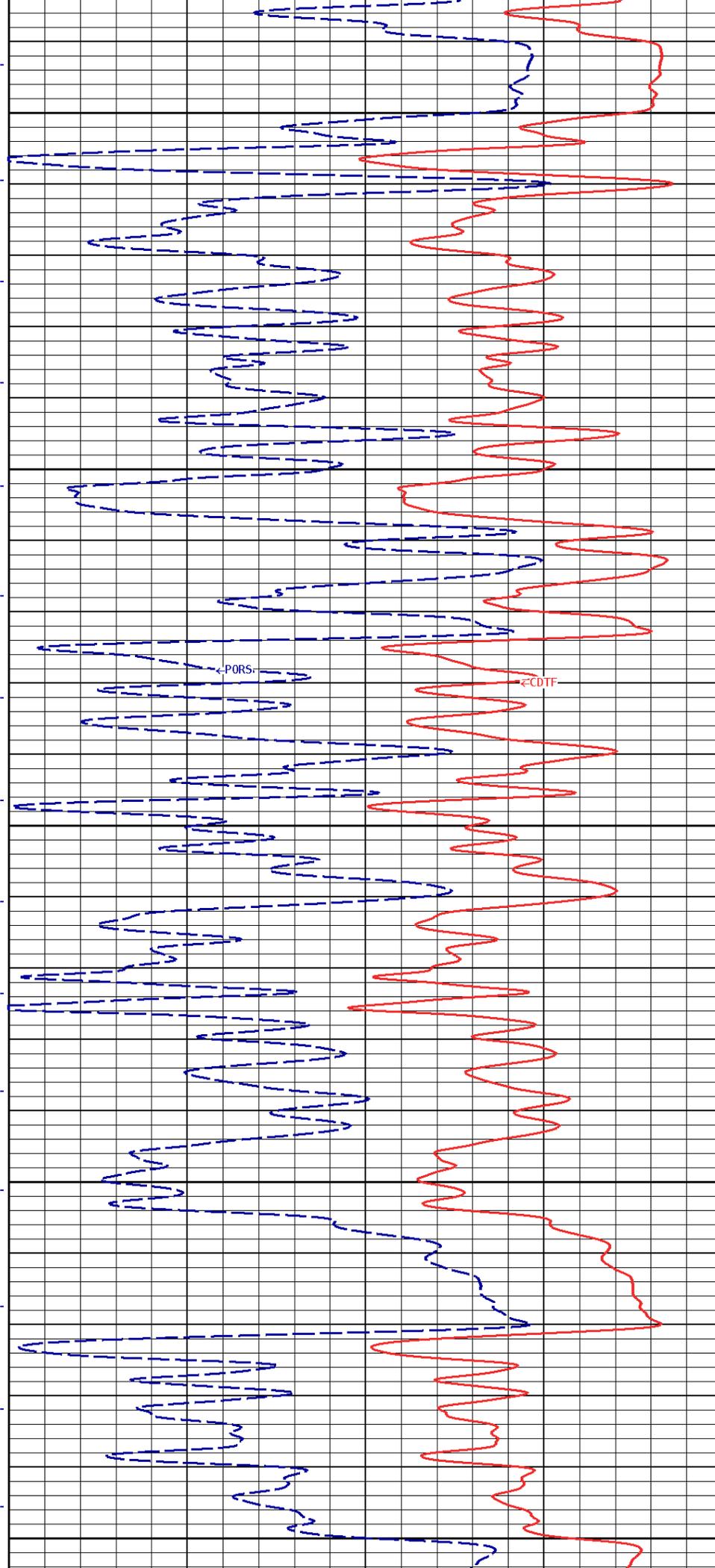


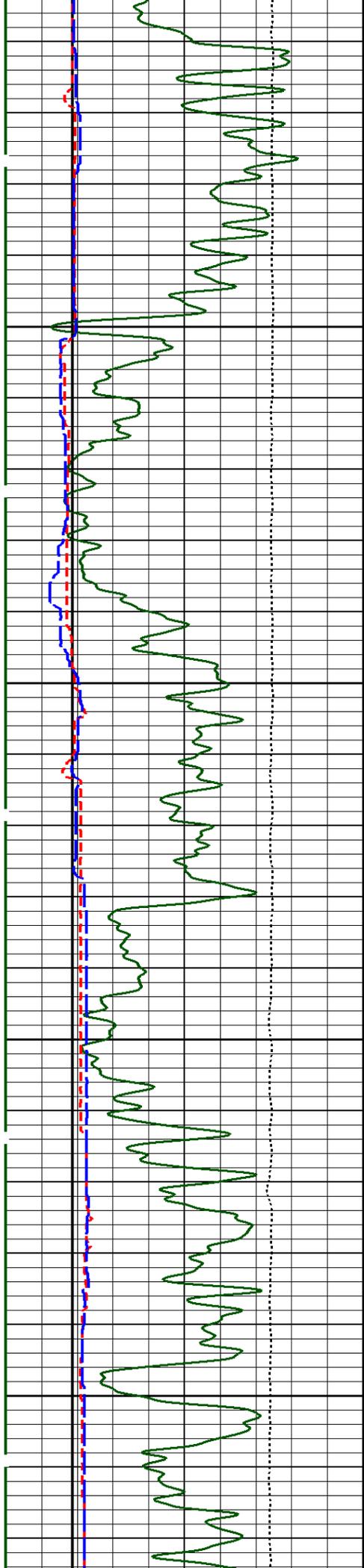


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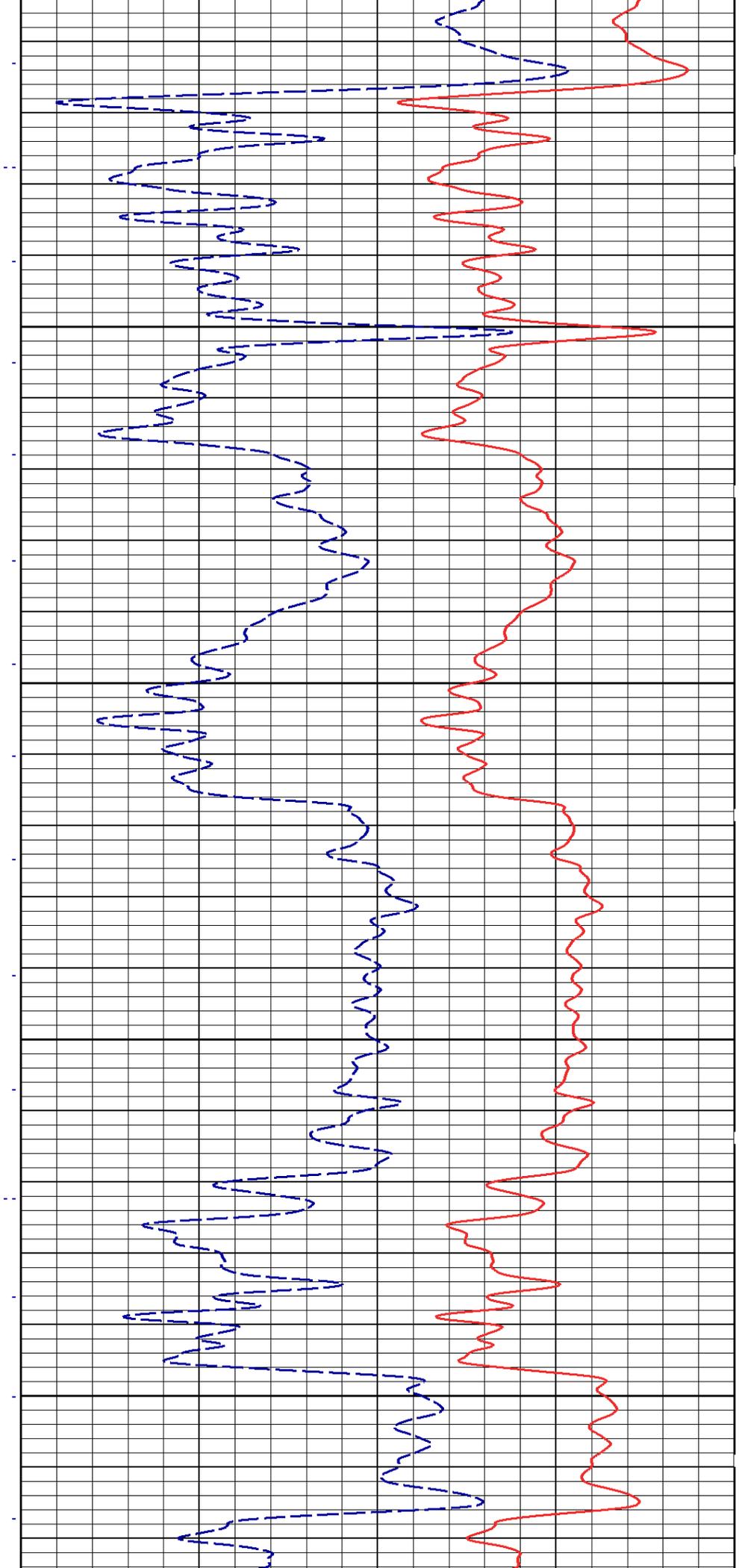
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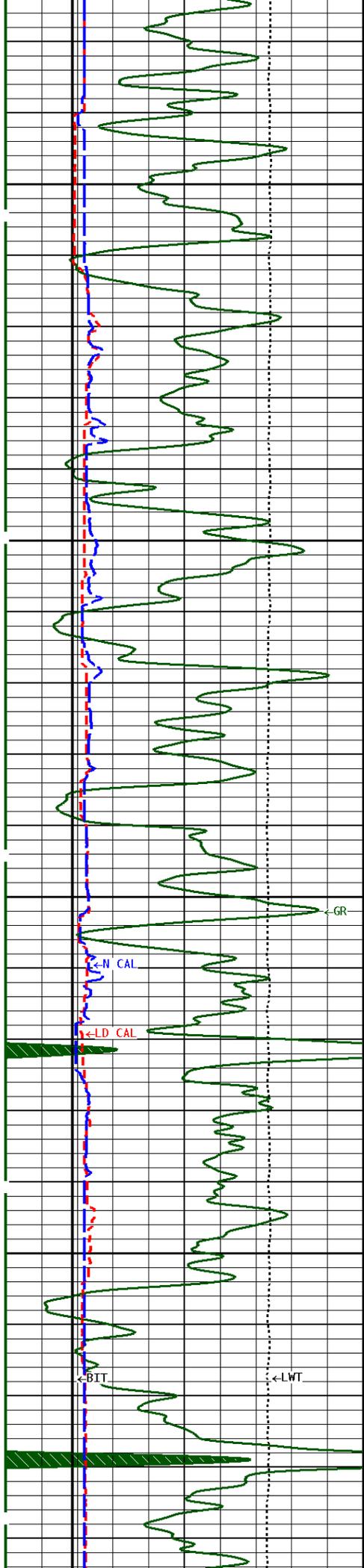




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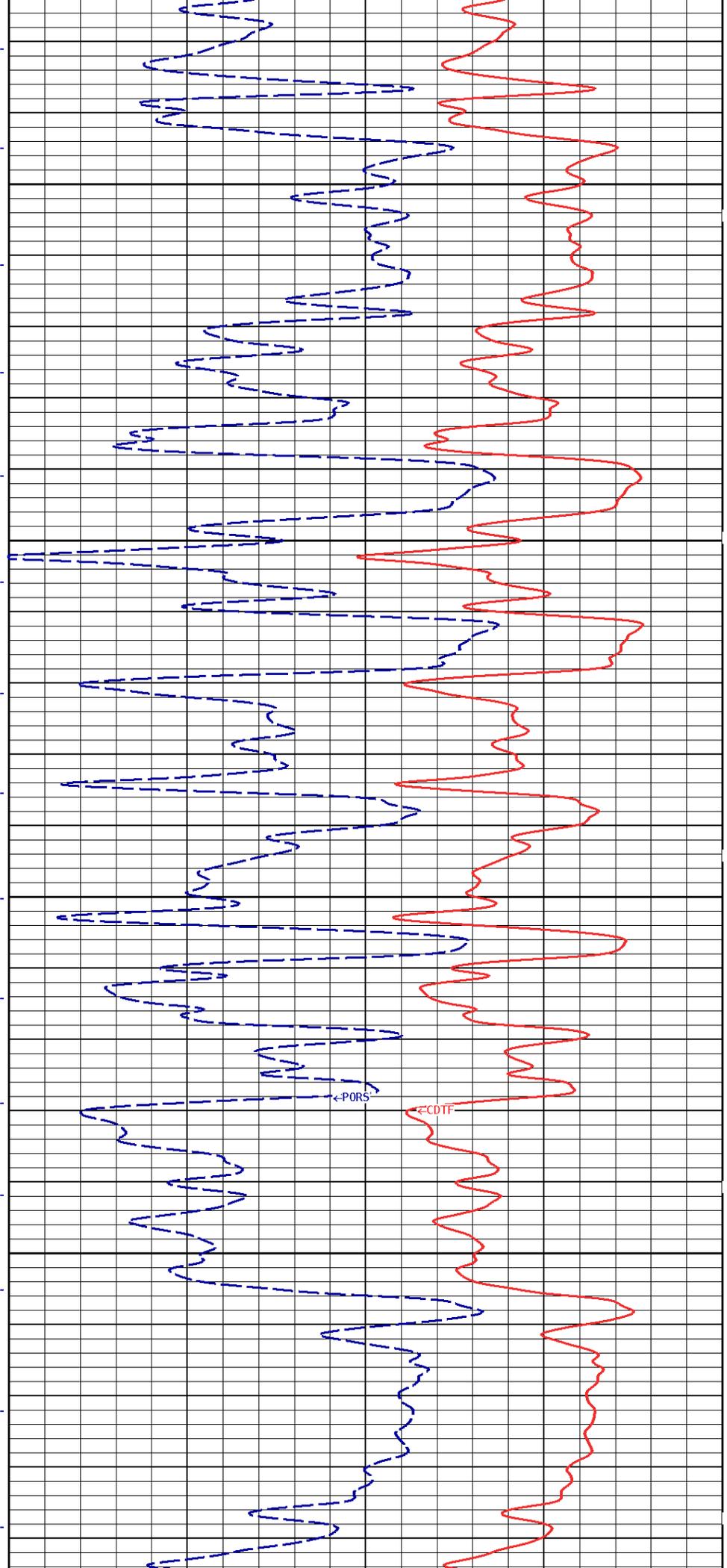
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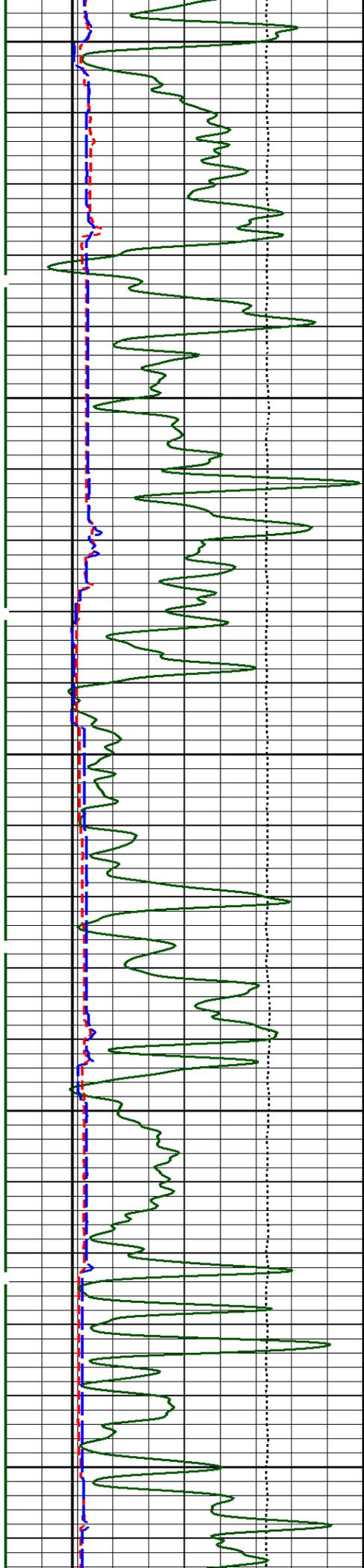
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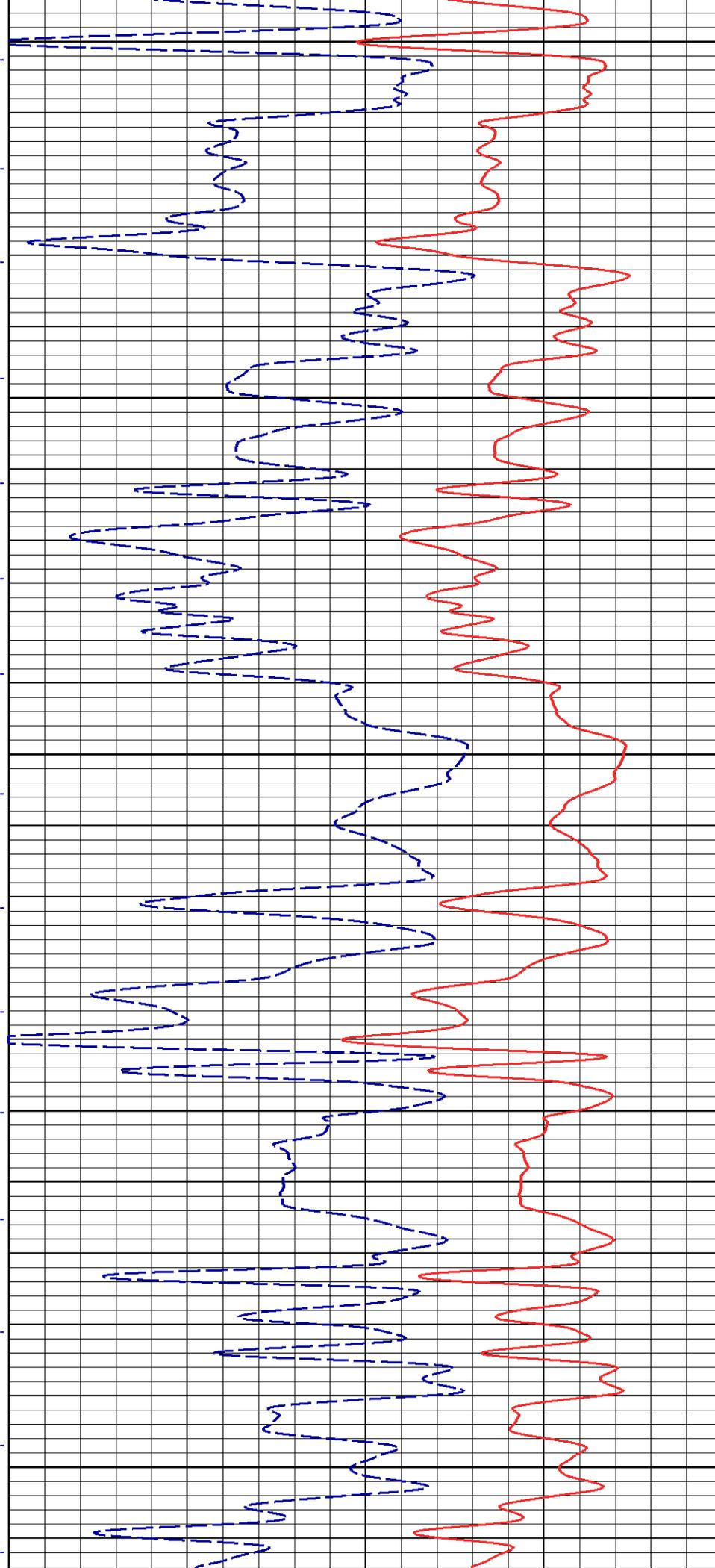
← PORS

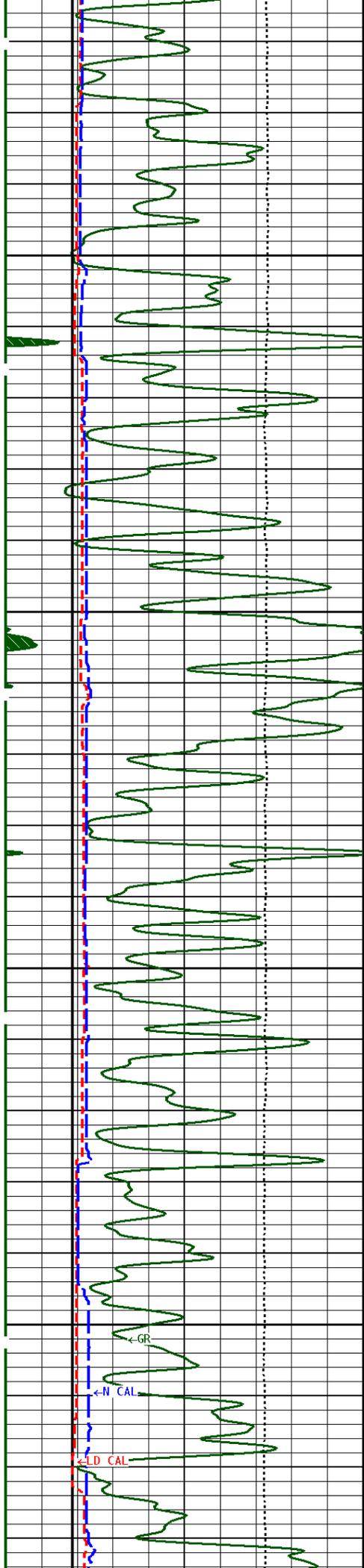
← CDTF



3100

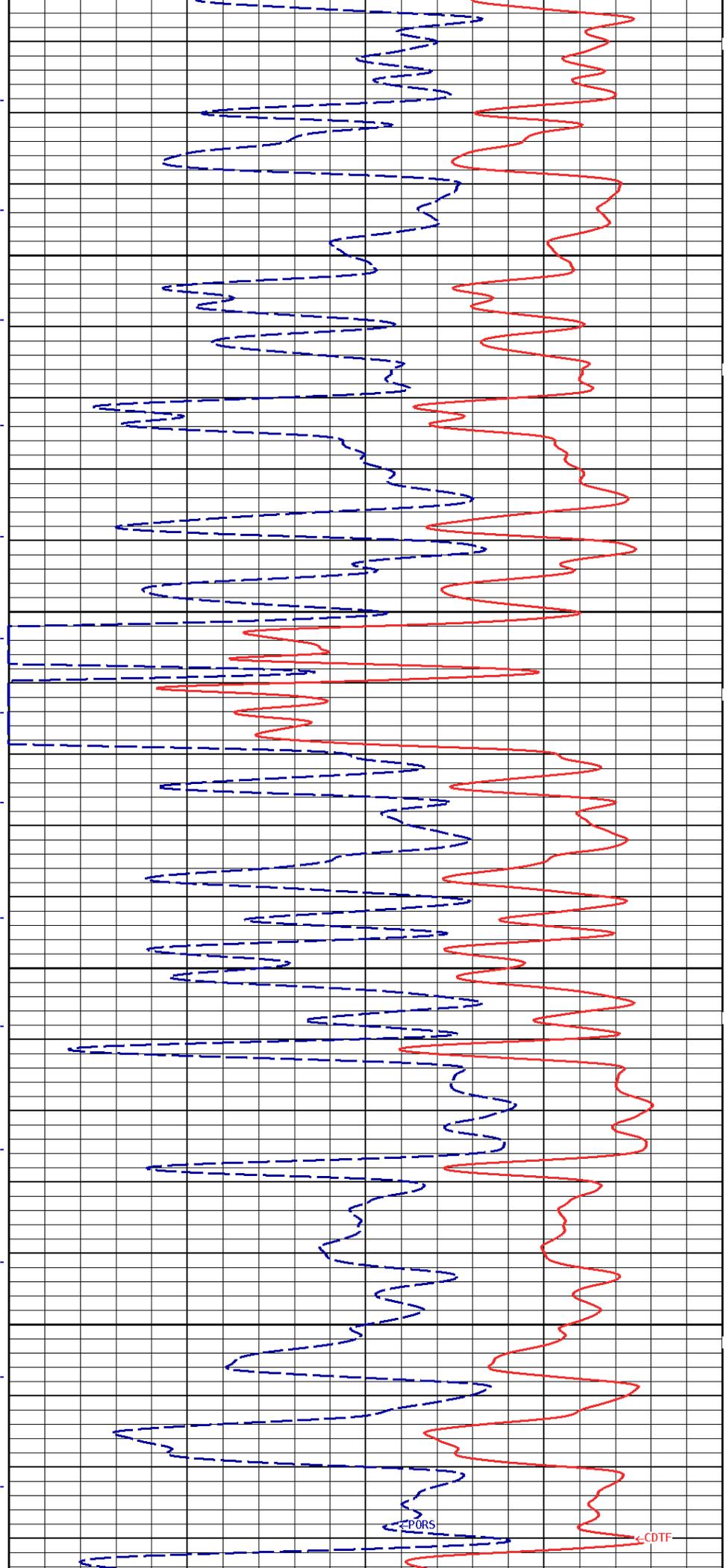
3200

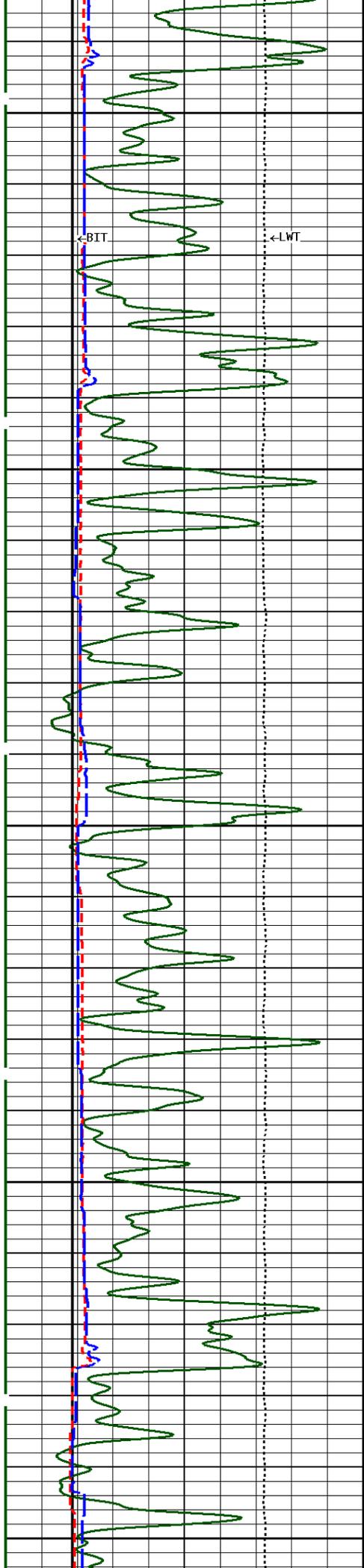




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3400

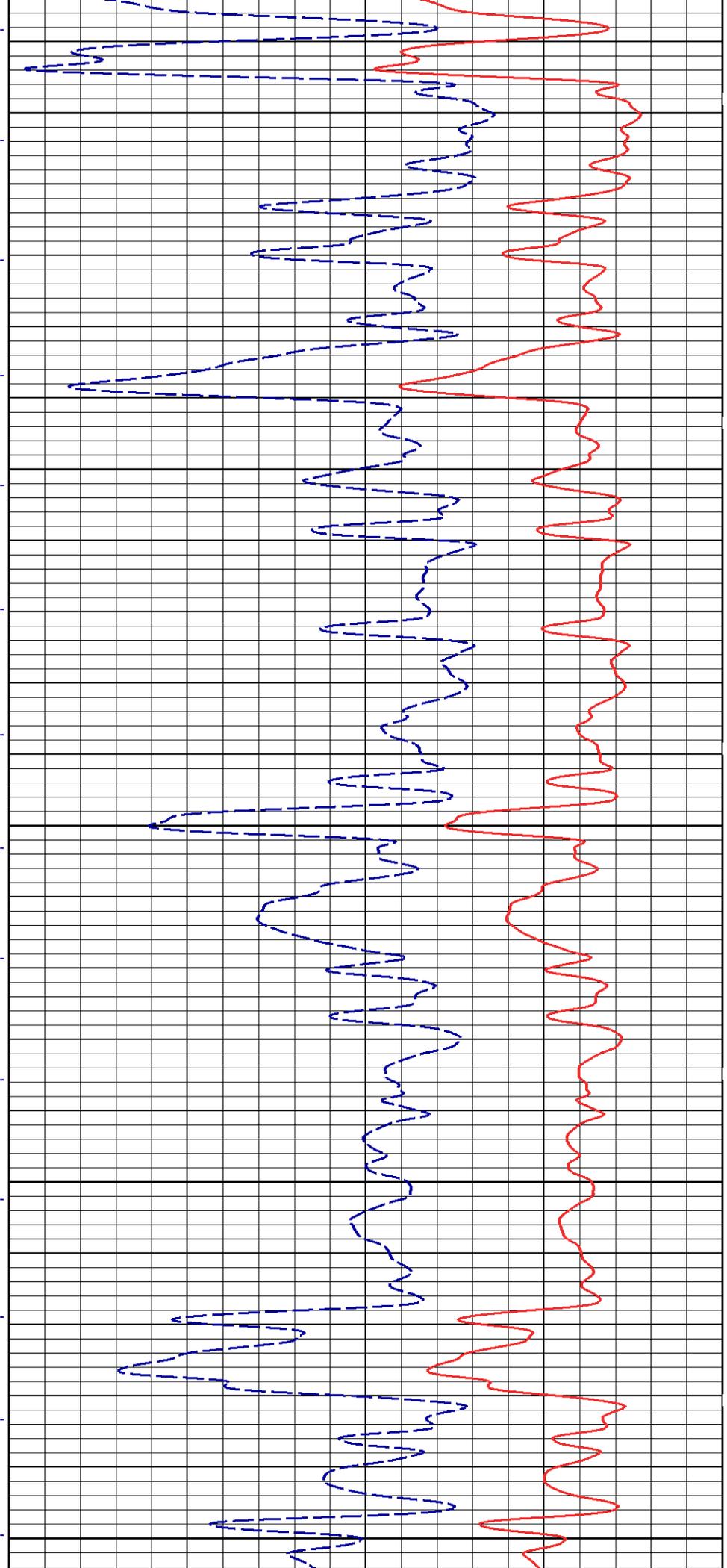


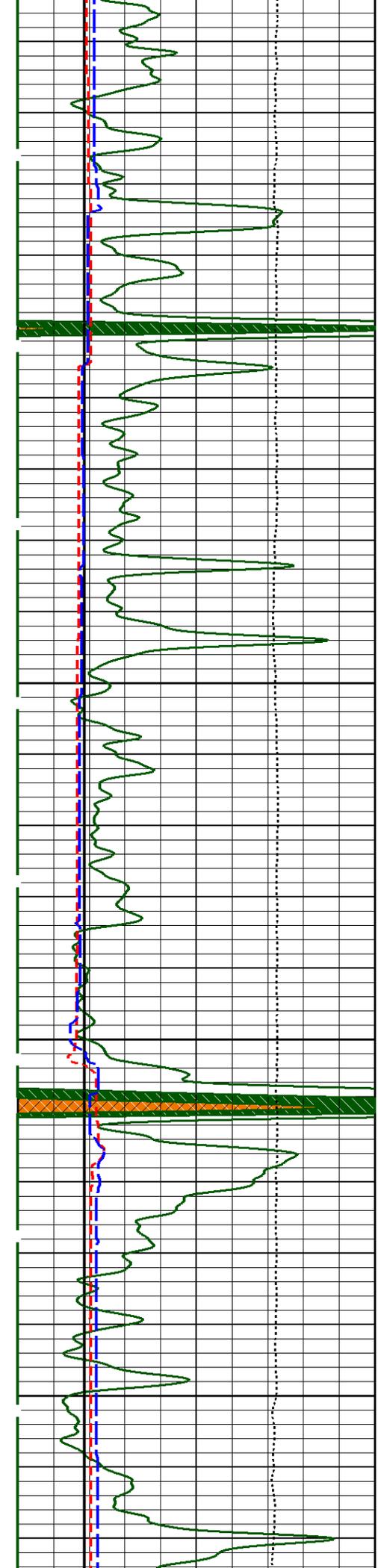


3500

3600

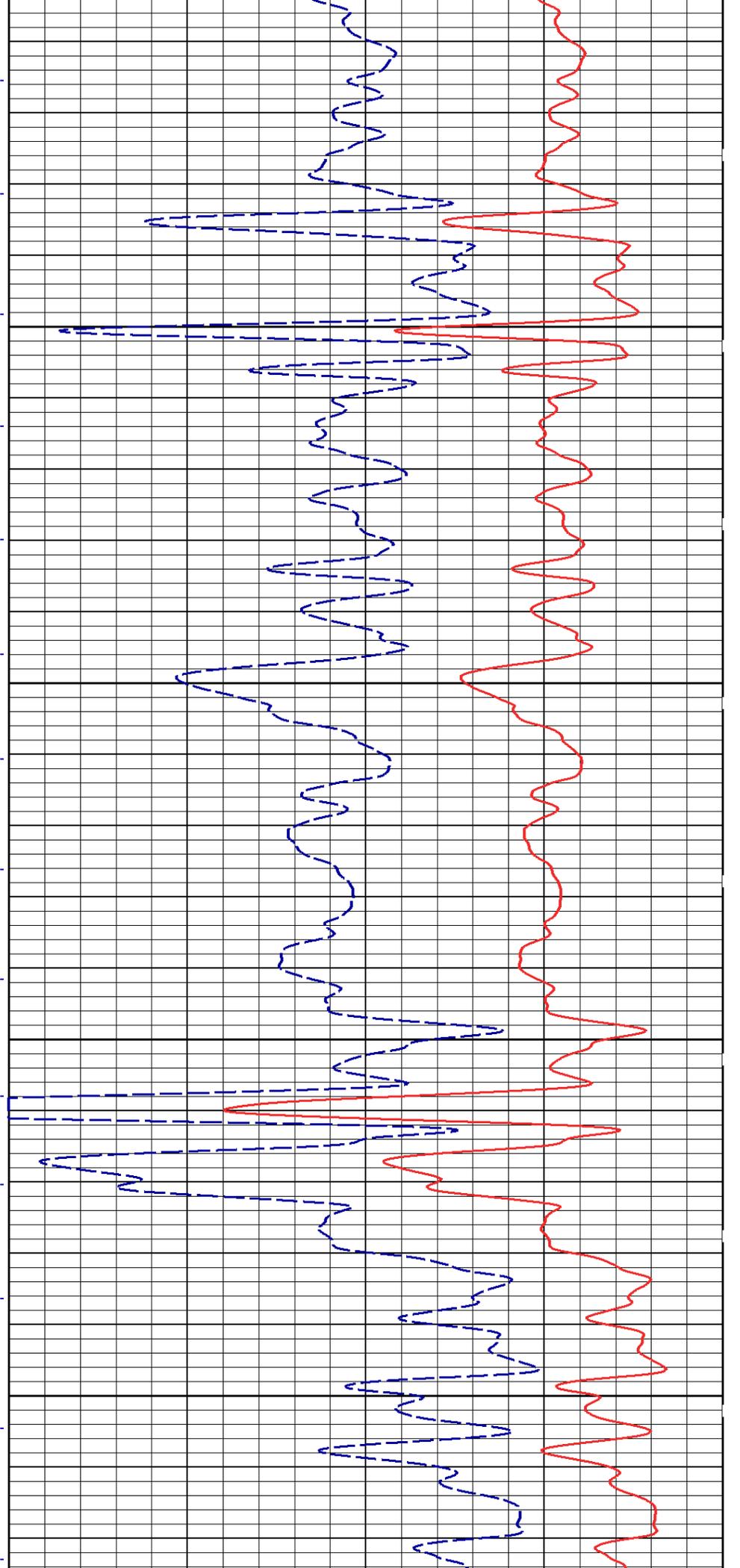
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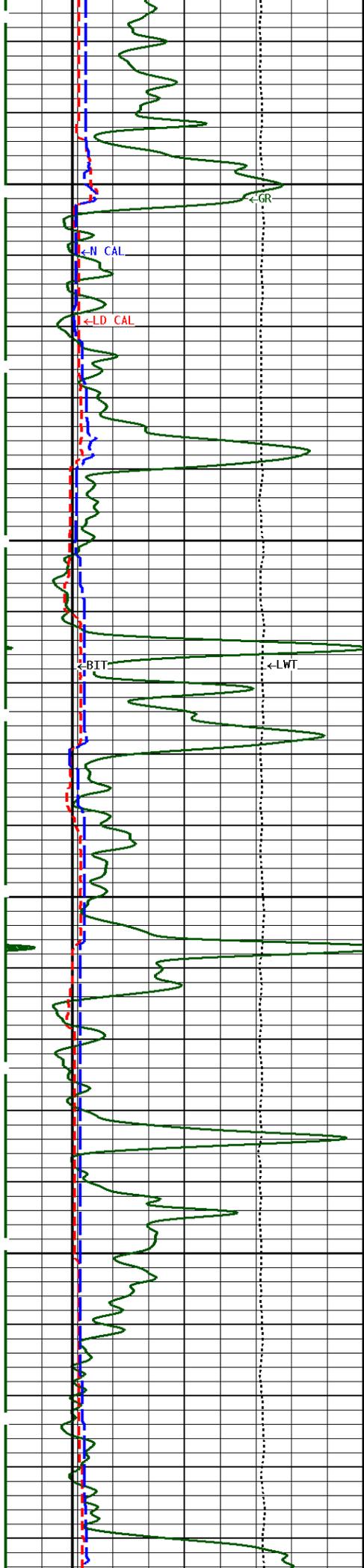




3800

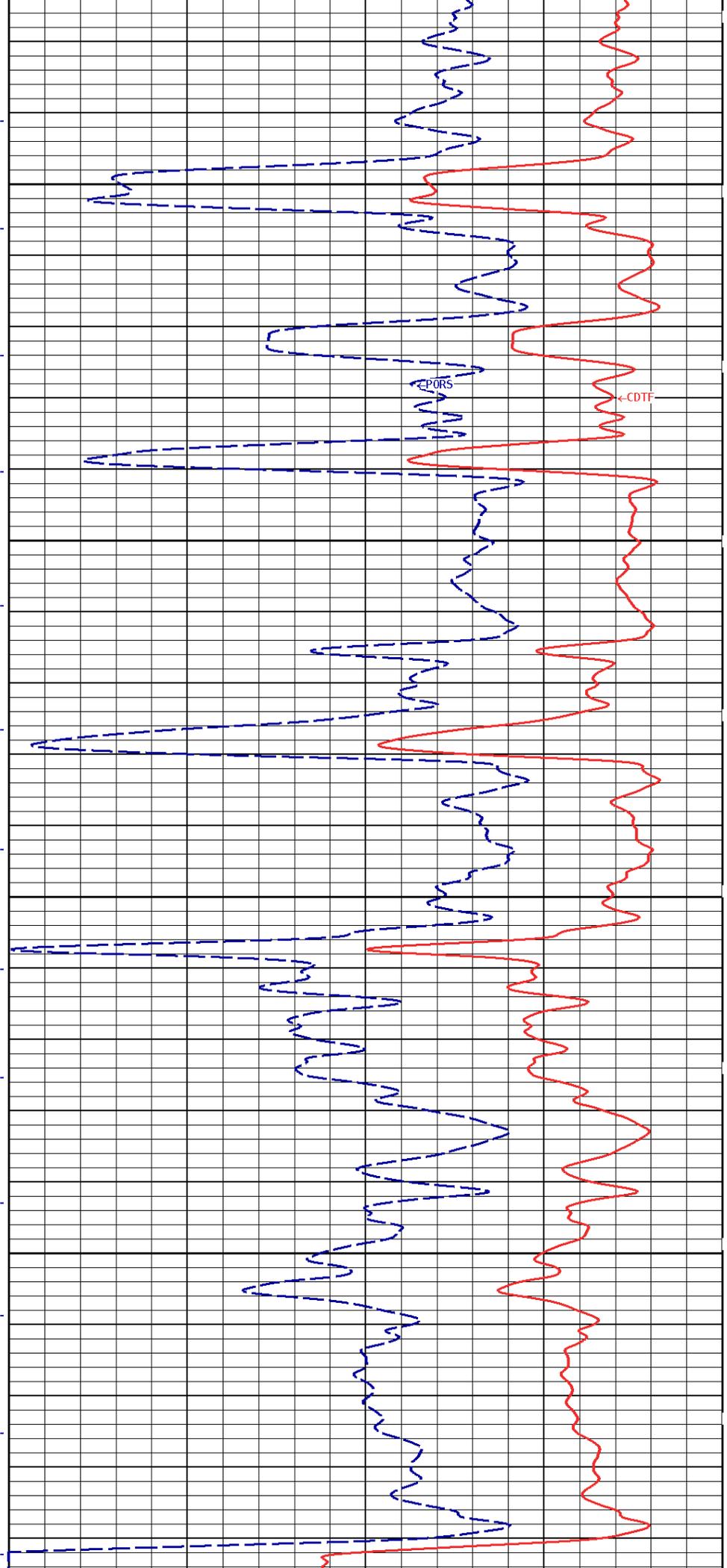
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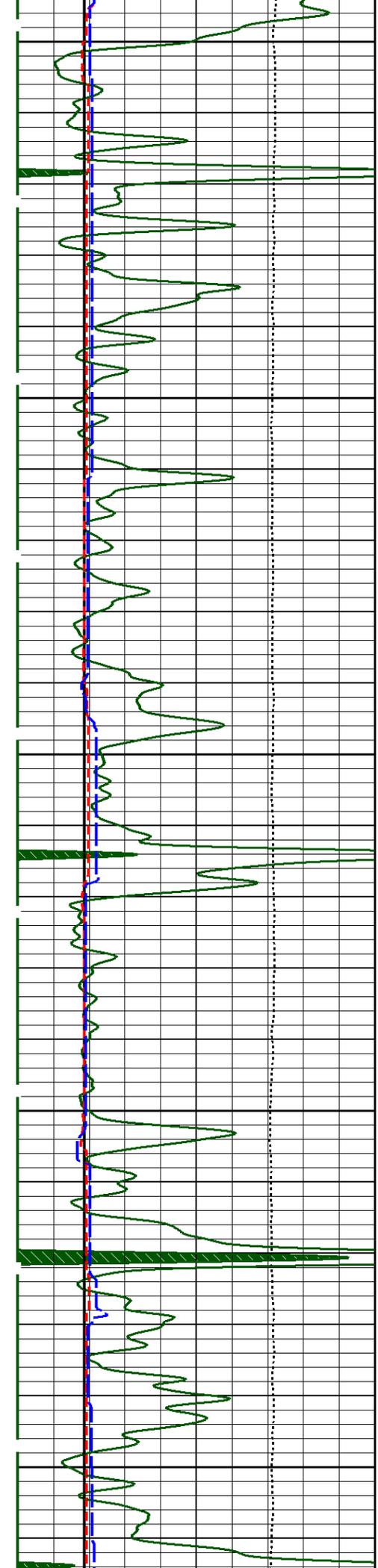




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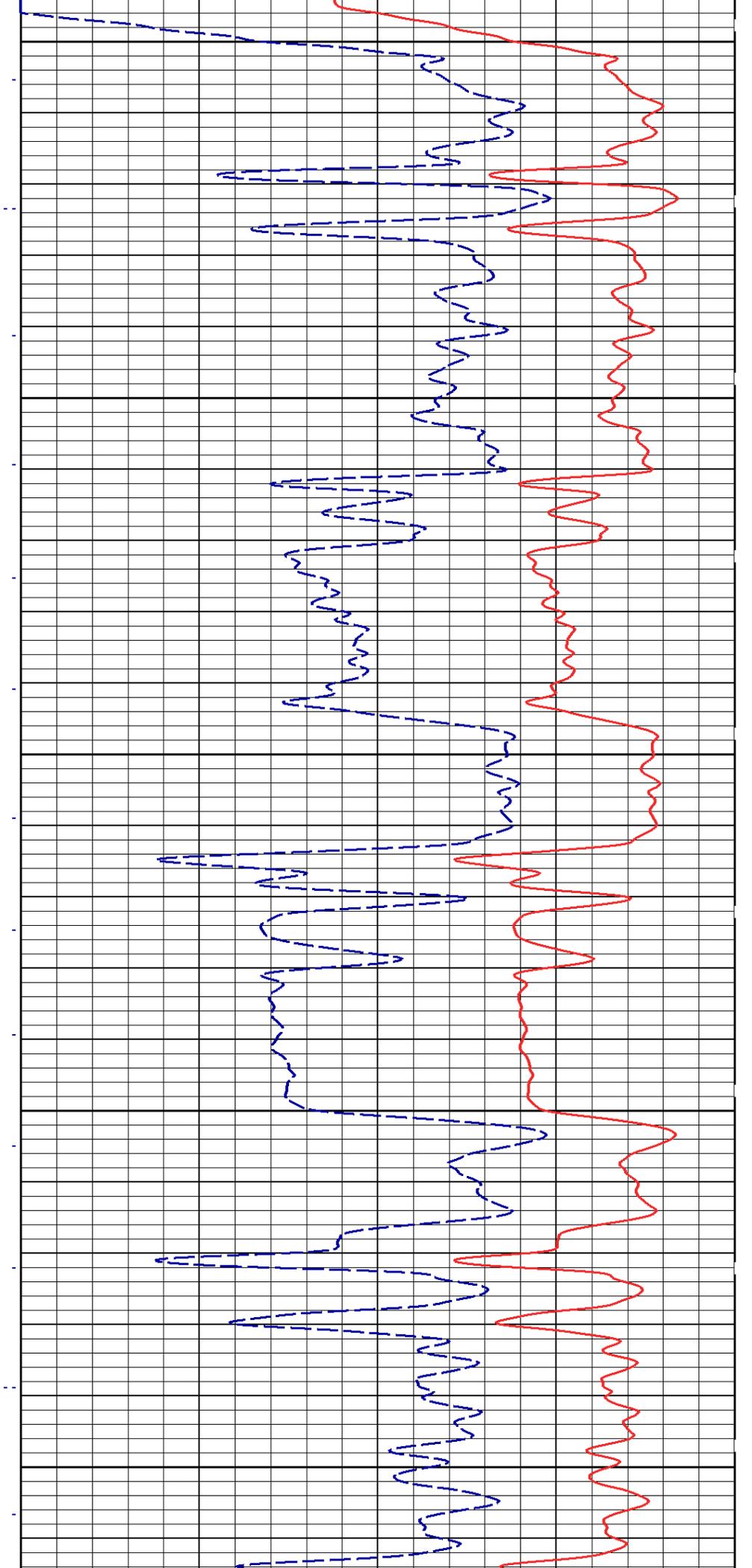
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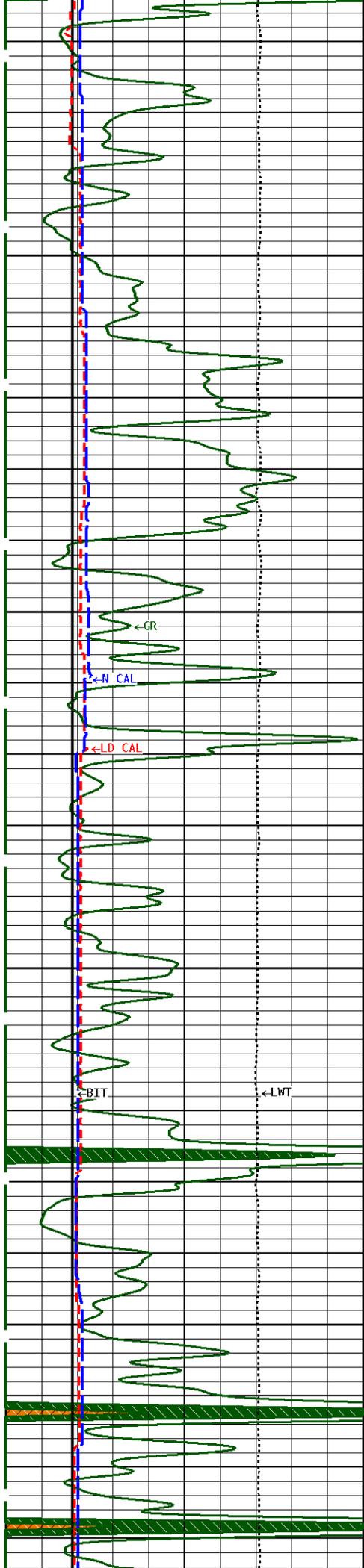




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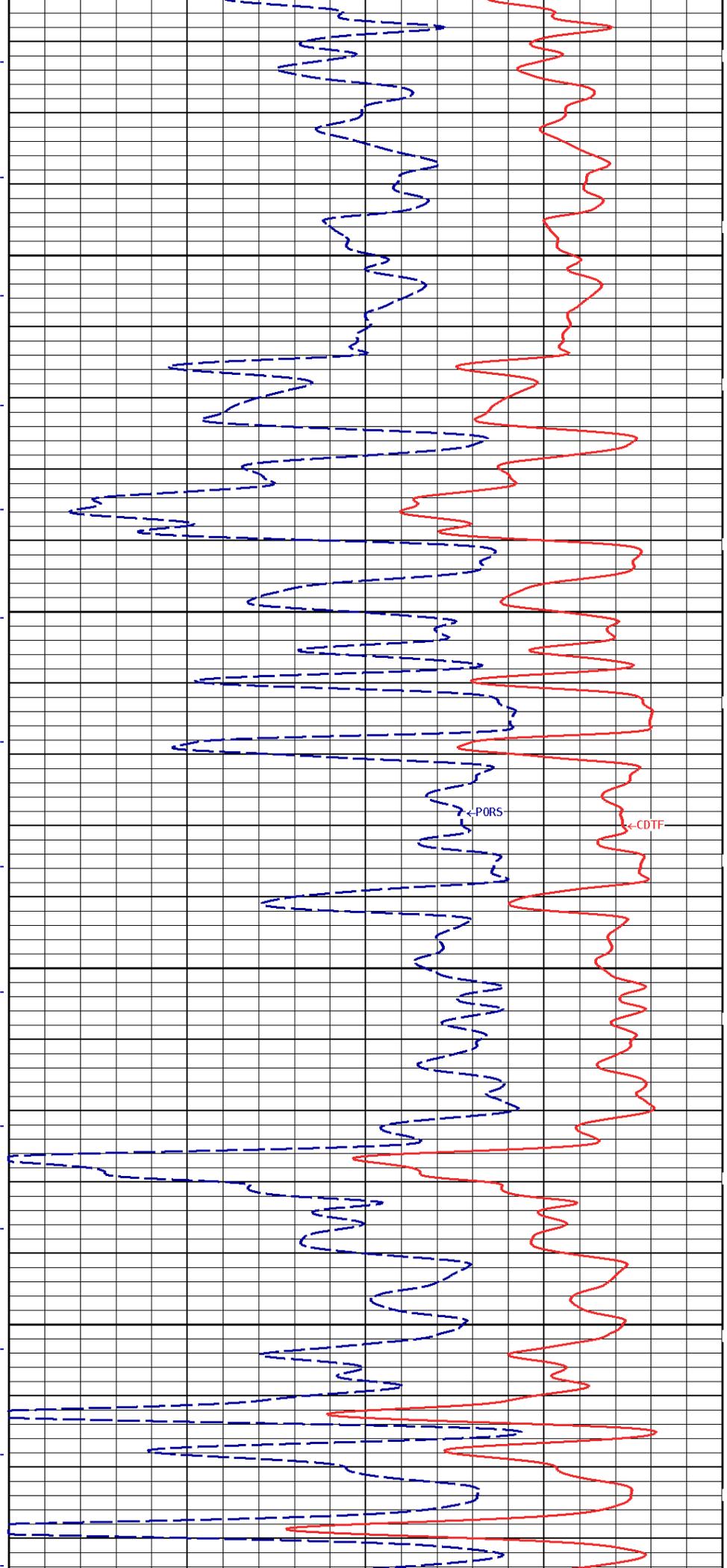
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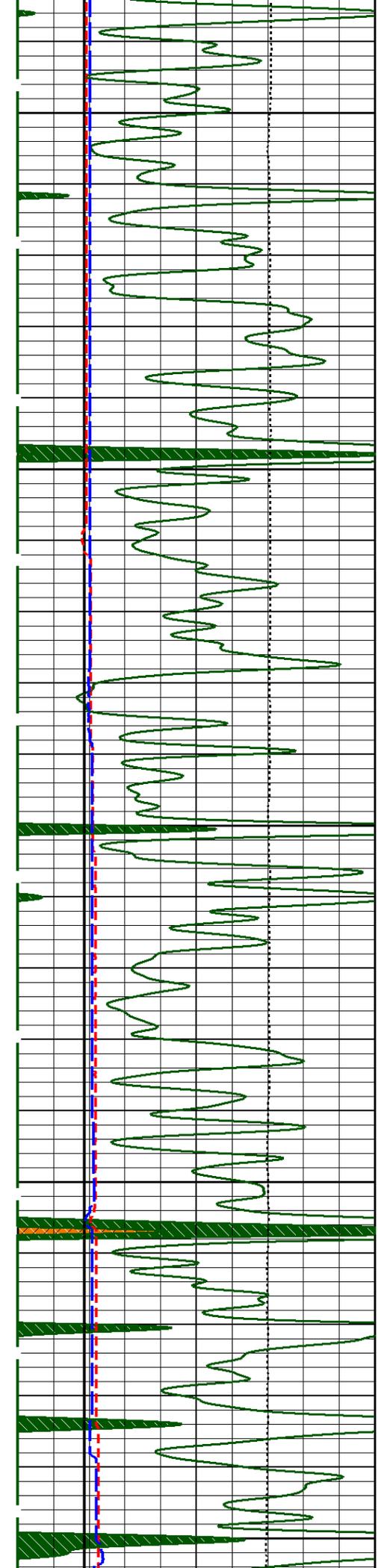




4400

4500

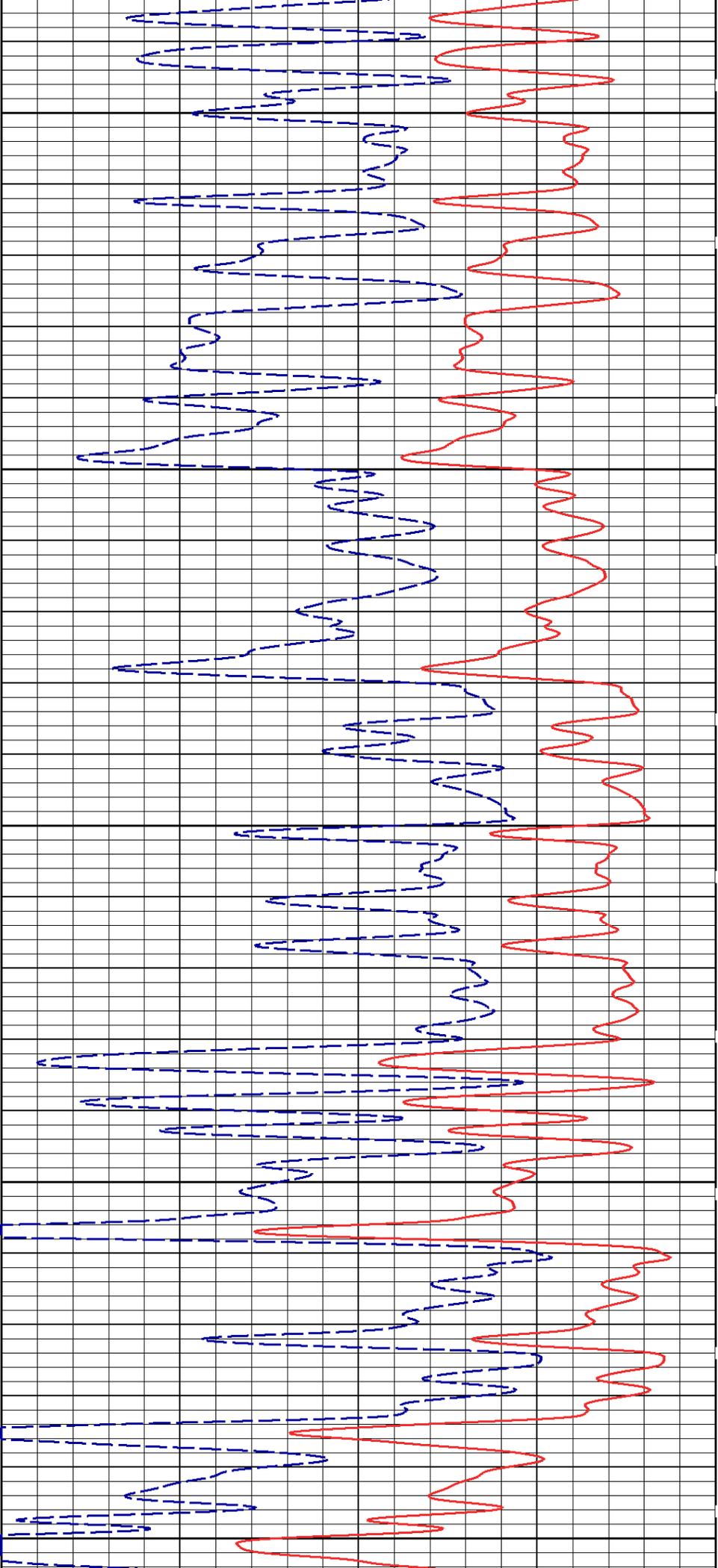


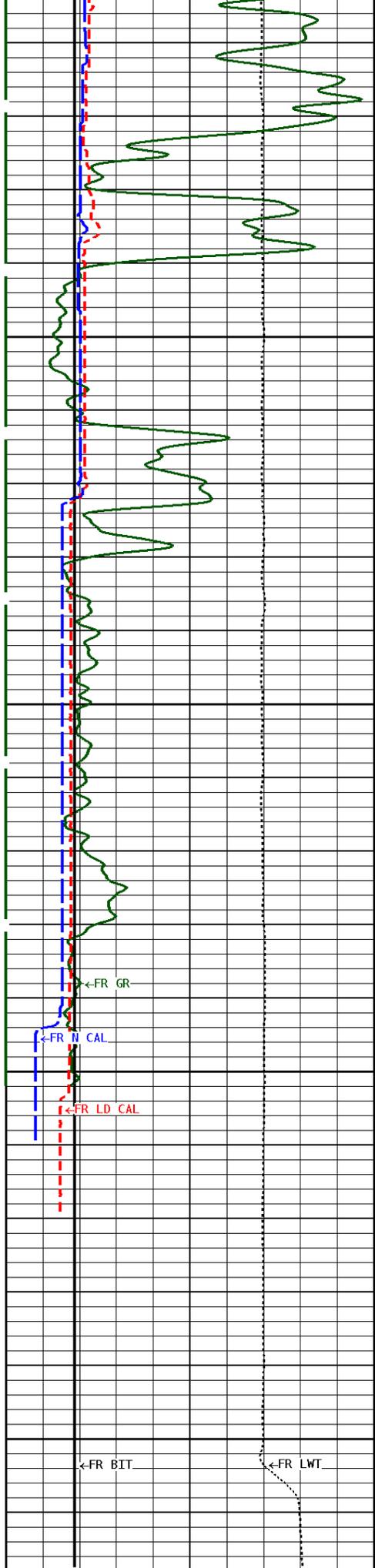


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4700

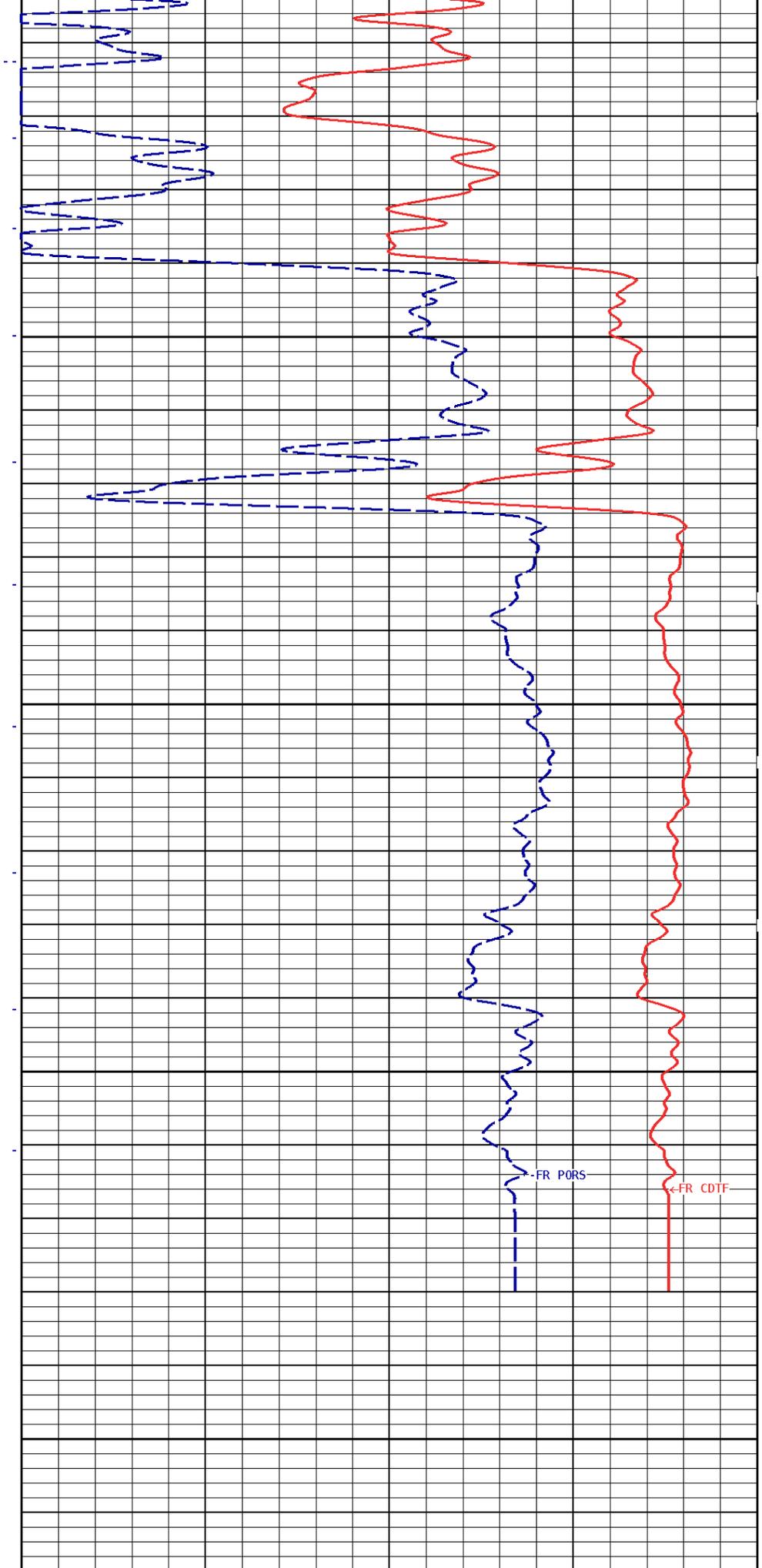
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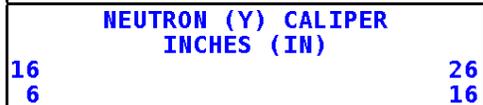
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5000
5004



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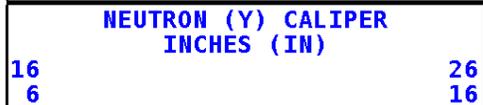
1:240 MAIN SECTION



* 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

Well File: MERIT CORA 1-16 FEB-28_QST Scale: 1:240 Format: CST-240
 Segment: V1.D1.S3 Reprocess REPEAT Acquired: 2020-02/29 00:14 3.4.1-13972
 Reference: 0 Processed: 2020-02/29 00:30 3.4.1-13972



API UNITS



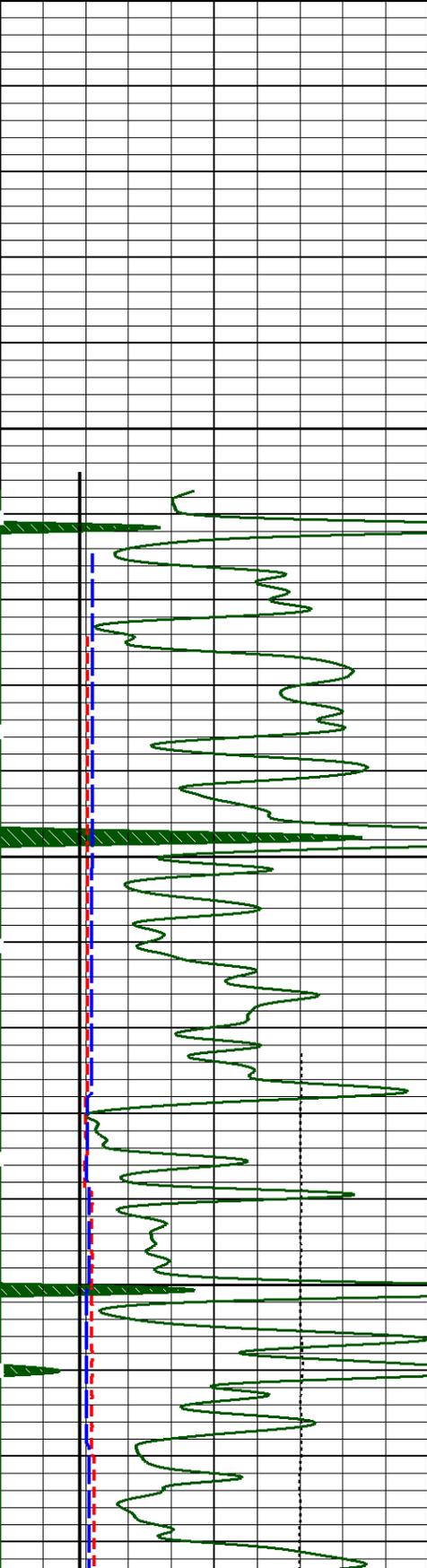
PERCENT

30

-10

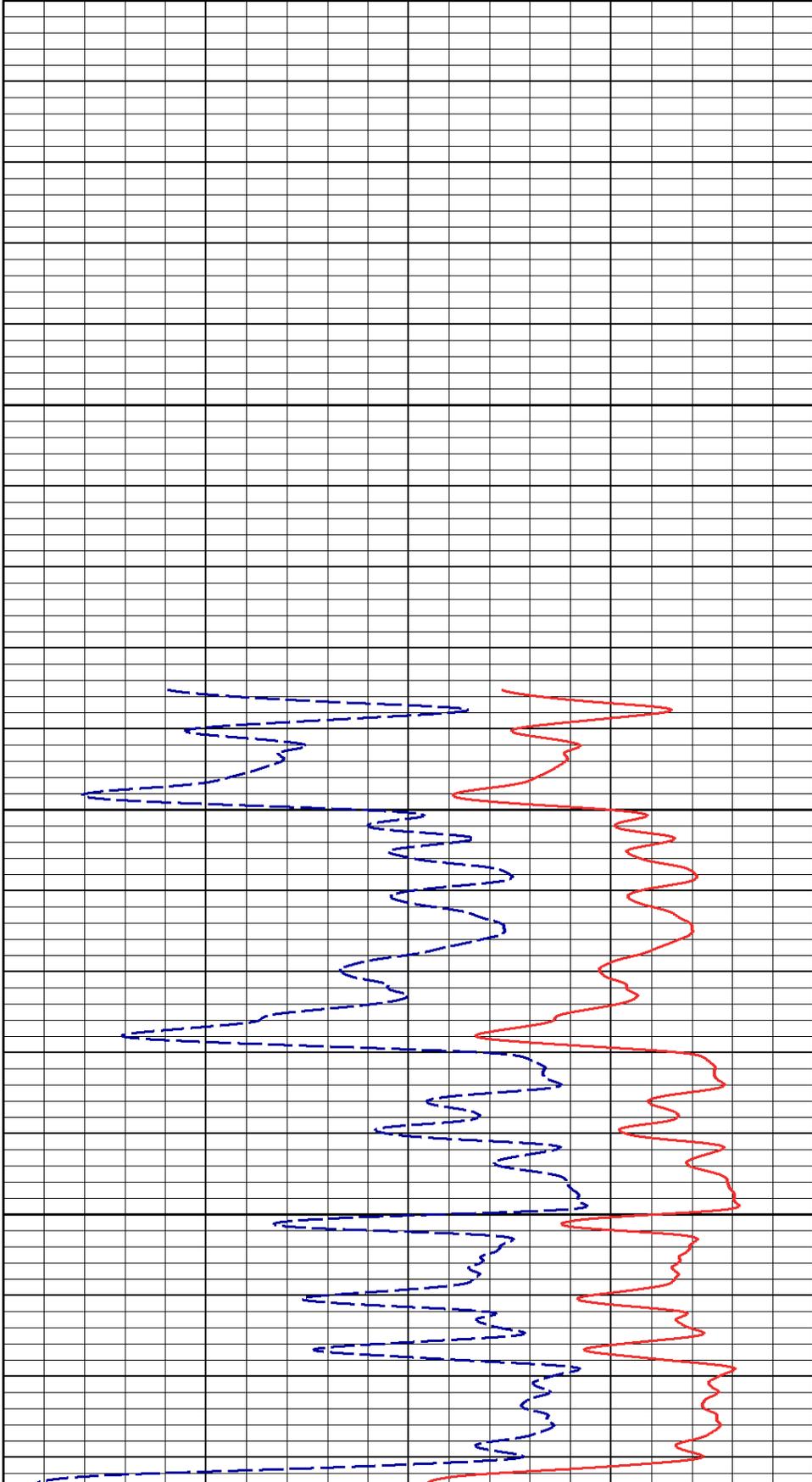
1:240 REPEAT SECTION

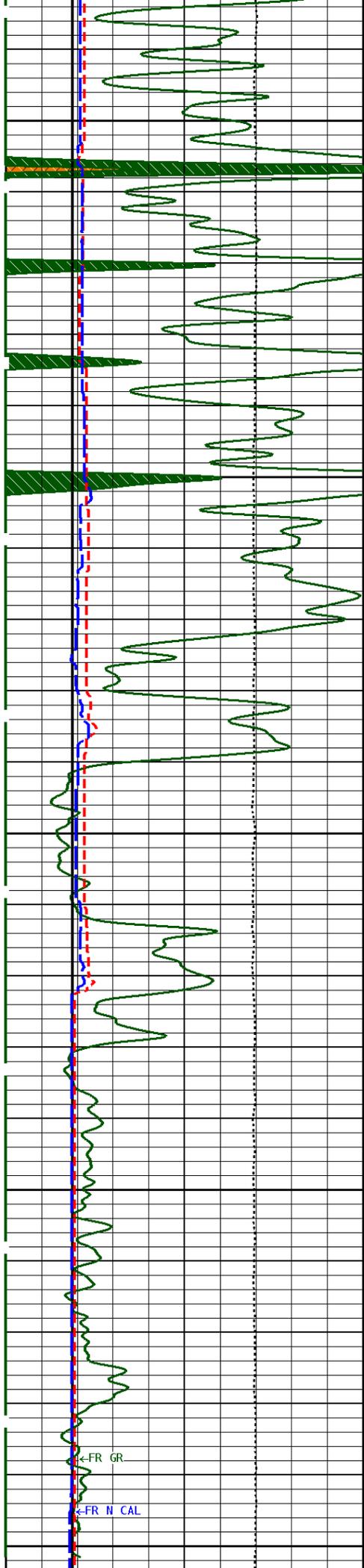
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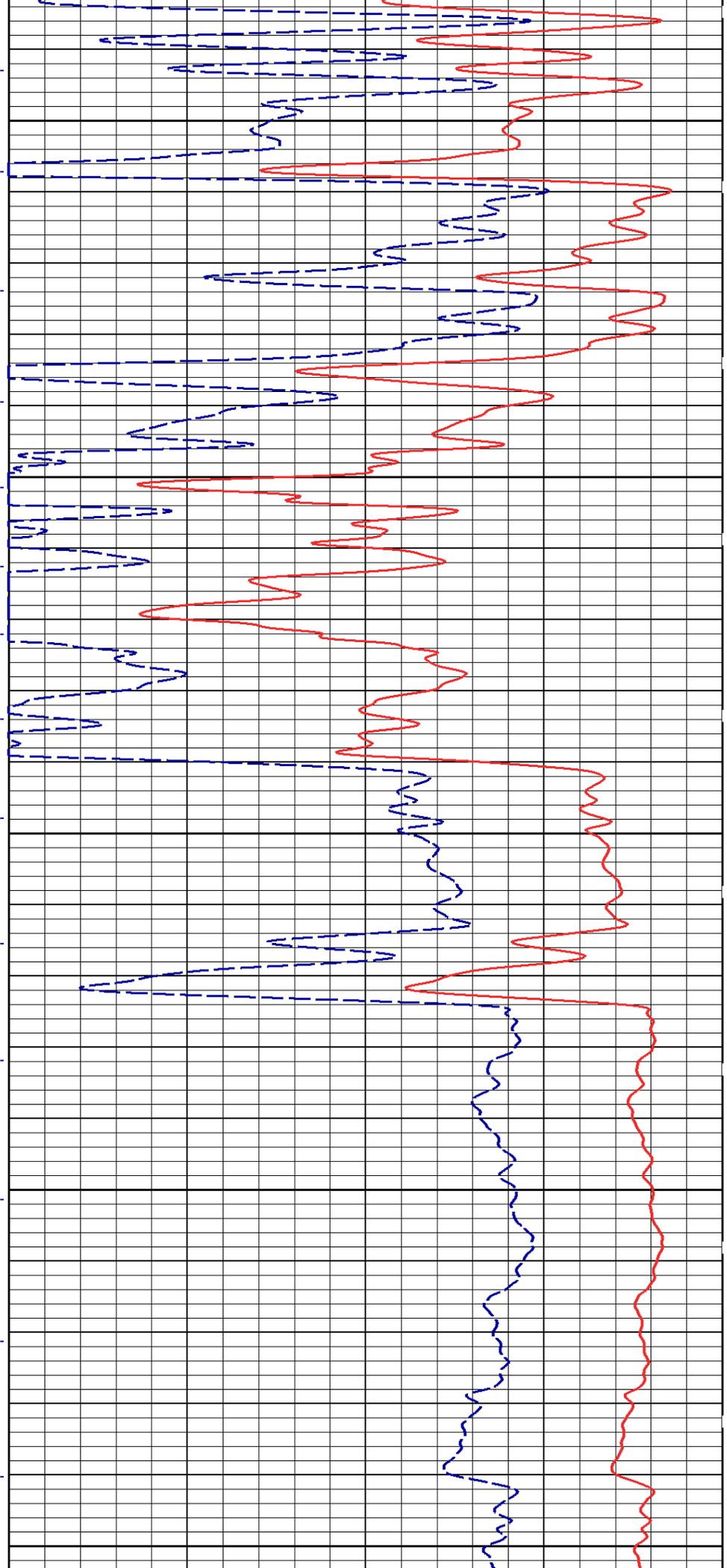
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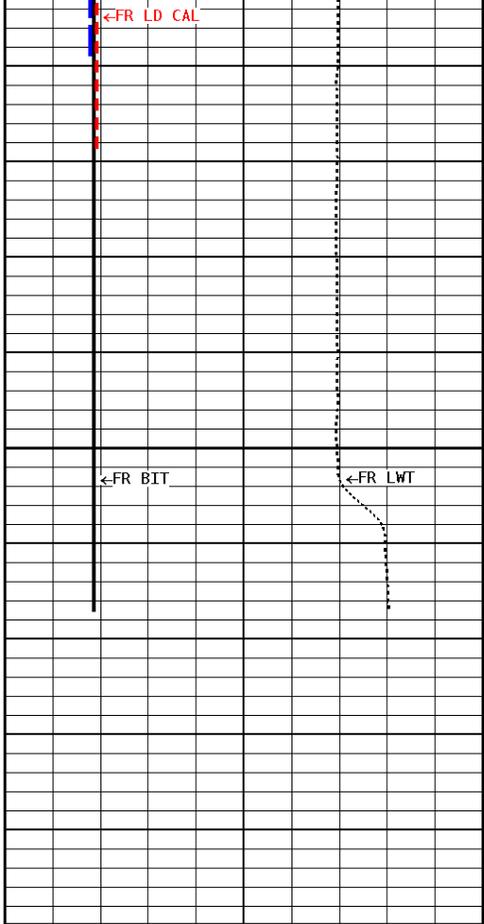
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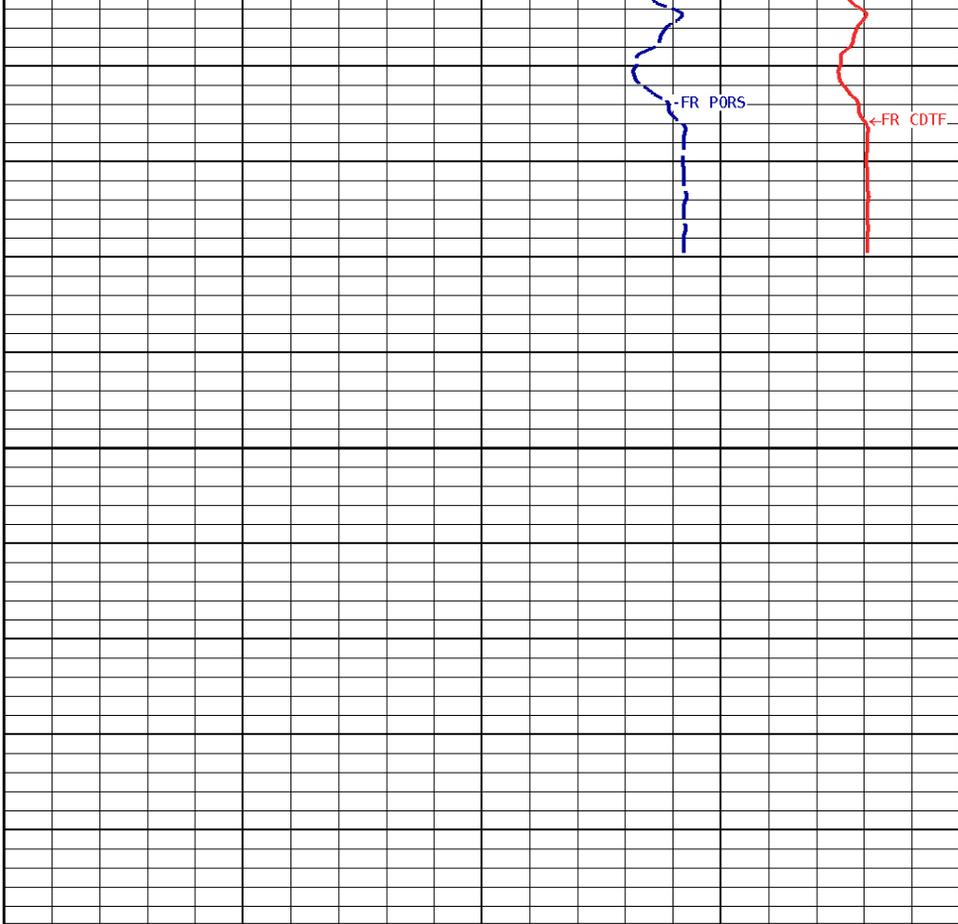
←FR GR

←FR N CAL



5000
5003

File #1.1.3



1:240 REPEAT 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

*** 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 : 24-JUN-2019			Time : 12:20		
Sensor Suite : GR-GR5			ID : GRT-BC-038		
	Measured	Units	Calibrated	Units	
GR	Background	Jig	Jig		GRAPI
	36	266	160		
		CPS			
Shop Calibration					
CST-AD					
Performed : 09-FEB-2020			Time : 05:45		
Sensor Suite : SON-ANA			ID : CST-AB-21		
	Measured	Transit Time	Calibrated	Units	
T/R Pair					
T1R1	205.0		208.5	uS	
T2R2	205.0		208.5	uS	
T1R2	326.3		322.5	uS	
T2R1	326.3		322.5	uS	
	Measured	Amplitude	Calibrated	Units	
T/R Pair					
T1R1	90.00		90.00	mV	
T2R2	90.00		90.00	mV	
T1R2	78.00		78.00	mV	
T2R1	78.00		78.00	mV	