

Tucker

WIRELINE SERVICES

BOREHOLE COMPENSATED
SONIC LOG

File No. : TUL-55288
Company : BECKER OIL CORP
Well : SHRIMISE #1
Field : WILDCAT
County : HODGEMAN
State : KANSAS
Country : USA

Location : API # 15-083-2163
1800' FSL & 13850' FEL
NE SE NW SE

Sect : 12 Twp : 24S Rge : 24W

Recorded By : T. MONTGOMERY
Witnessed By : C. BECKER

Date : APR 17 2010
Run No. : 1

Permanent Datum : GL
Drilling Measured From : KB
Log Measured From : KB
Above Permanent Datum : 8.00 FT

Depth--Driller : 4880.0 FT
Depth--Logger : 4881.0 FT
Bottom Log Interval : 4856.0 FT
Top Log Interval : 370.0 FT

Casing Depth--Driller : 372.0 FT
Casing Depth--Logger : 370.0 FT
Casing Diameter : 8.625 IN

Bit Size : 7.875 IN
Unit No. : 125
Location : OKC

Elevations :
KB : 2475.00 FT
DF : 2474.00 FT
GL : 2467.00 FT

Additional Services

PIT
CNT
LDT

The customer is hereby warned that by providing the log data herein, T. W. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. W. S. 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 T. W. S. 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 T. W. S. 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.

Run Number 1

Depth To Fluid 0.0 FT
Fluid Type In Hole : CHEMICAL
Density : 9.200 LBS/GAL
Viscosity : 48.000 SEC/QT
pH : 9.500
Fluid Loss : 8.400 mL/30min
Salinity : 0.000

RM Source : MEASURED
RM : 1.400 OHMM at 70 F
RM at BHT : 1.073 OHMM at 120 F

RMF Source : CALCULATED
RMF : 1.190 OHMM at 70 F
RMF at BHT : 0.858 OHMM at 120 F

RMC Source : CALCULATED
RMC : 1.610 OHMM at 70 F

RMC :	1.010	OHMM at	70	F
RMC at BHT :	1.287	OHMM at	120	
Max Recorded Temp. :			120	F
Time Circulation Stopped :	DEC 20 2009 @ 15:00			
Operating Rig Time, Hrs. :	3.0			

- Source Serial Numbers -

Gamma	CSV-C2
Neutron	N-1043

- Sonde Serial Numbers -

GRTB	GRT-BA-017
CNT	CNP-AA-106
LDTNG	LDP-DA-065
CST	CST-AB-003
PIT_B	PIT-AB-005

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
8.625	24.00	372.00

- Comments -

ALL PRESENTATIONS AS PER CLIENT REQUEST.

GRT, CNT, LDT, CST, PIT RAN IN COMBINATION.
 2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.
 4.50" PRODUCTION CASING USED TO CALCULATE ANNULAR HOLE VOLUME.
 NO STANDOFF DEPLOYED ON PIT TOOL.
 CALIPERS ORIENTED ON THE X-Y AXIS.
 PHIN IS CALIPER CORRECTED.
 DETAIL PRESENTED FROM TD UP TO 2881'.
 DETAIL PRESENTED FROM TD 2500' TO 2800'.

GRP - GRP

CNT - PHIN, CLCNIN

LDT - LDEN, PECL, LCOR, PORL, CLLDIN

MINERAL VOLUME - VM31, VM33

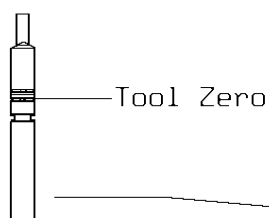
CST- PORS,ITT, TT1, TT3

PIT - SFLAEC, ILDEC, CIRDEC, PIRMD5, SPU
 THANK YOU FOR CHOOSING TUCKER WIRELINE SERVICES!

C. VANCE

Tool String Schematic

Total Tool Length - 57.29 ft.
 Maximum Outside diameter - 4.80 in.
 Net Weight in Air - 971.00 lbs.



Tool: GRTB	Length: 3.40 ft.	O.D.: 3.60 in.
Sonde ID	: GRT-BA-017	
Measure Point	Stack Offset	Tool Offset
GRP	2.00	2.00
		55.29

3.40 ft.

Tool: CNT
Sonde ID
Source ID
Pad ID

Length: 9.30 ft. O.D.: 4.36 in.

: CNP-AA-106

: N-1043

: CNP-AA-106

Measure Point	Stack Offset	Tool Offset	Bottom Offset
CLCN	9.40	6.00	47.89
PHIN	10.24	6.84	47.05

12.70 ft.

Tool: LDTNG
Sonde ID
Source ID
Pad ID

Length: 9.30 ft. O.D.: 4.80 in.

: LDP-DA-065

: CSV-C2

: LDP-DA-065

Measure Point	Stack Offset	Tool Offset	Bottom Offset
CLLD	18.70	6.00	38.59
PEL	19.70	7.00	37.59
PES	20.10	7.40	37.19
LDEN	19.70	7.00	37.59
LCOR	19.70	7.00	37.59

22.00 ft.

Tool: CST
Sonde ID

Length: 13.80 ft. O.D.: 3.60 in.

: CST-AB-003

Measure Point	Stack Offset	Tool Offset	Bottom Offset
TT1	26.80	4.80	30.49
TT3	27.80	5.80	29.49
CDT	29.30	7.30	27.99
TT4	30.80	8.80	26.49
TT2	31.80	9.80	25.49

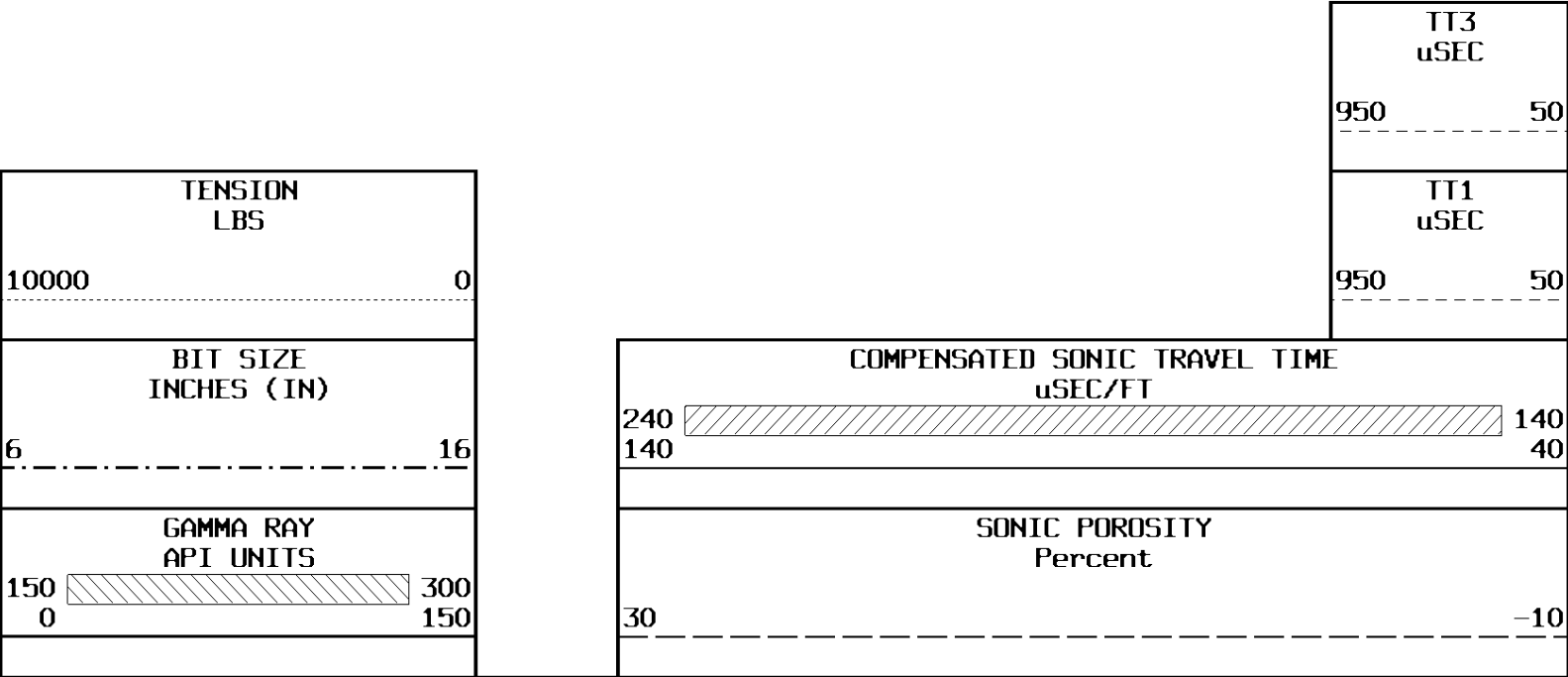
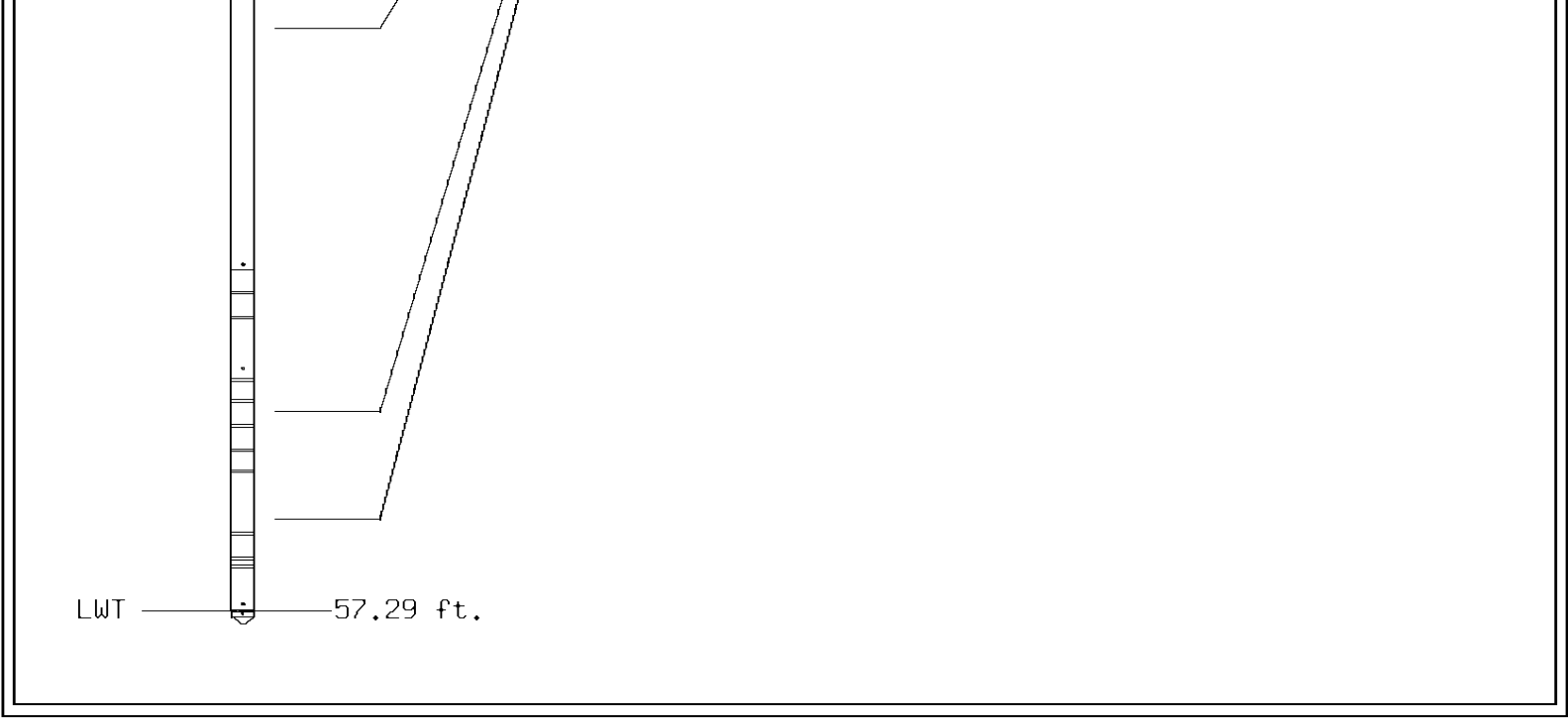
35.80 ft.

Tool: PIT
Sonde ID

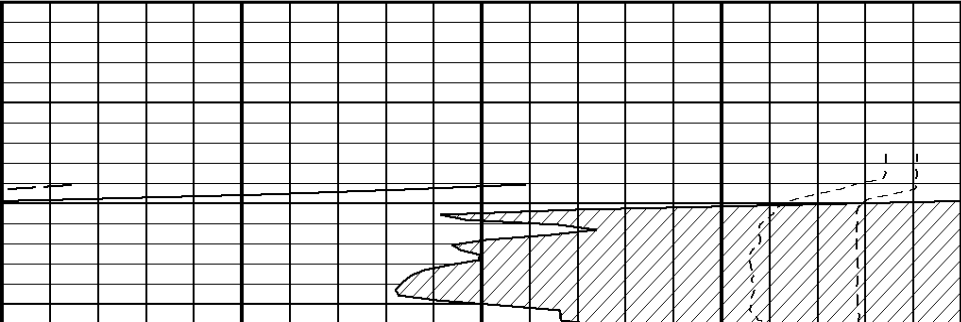
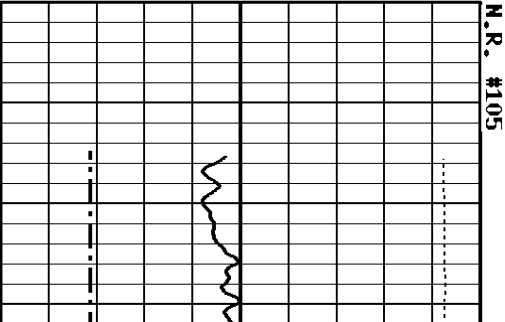
Length: 21.49 ft. O.D.: 3.62 in.

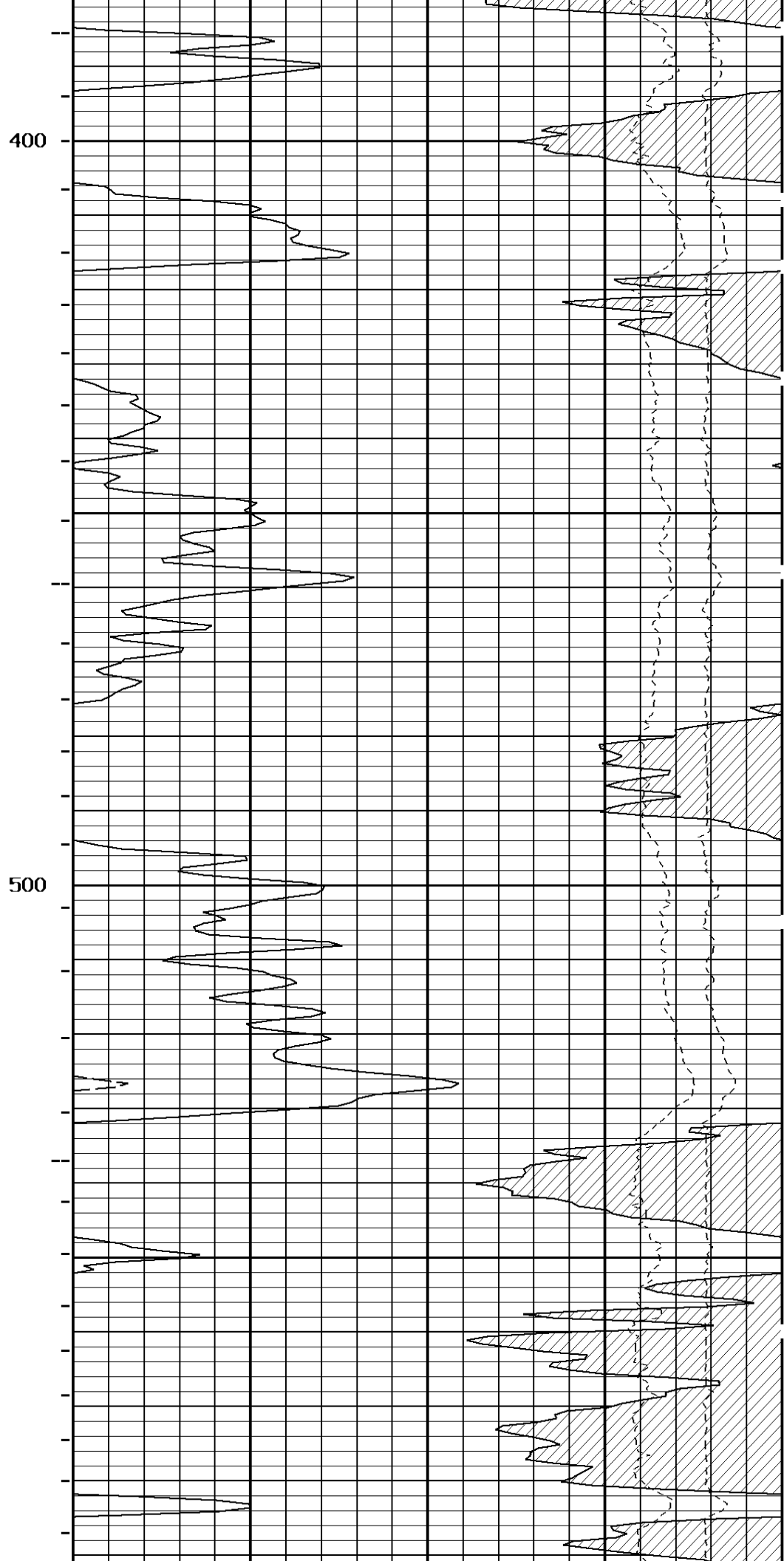
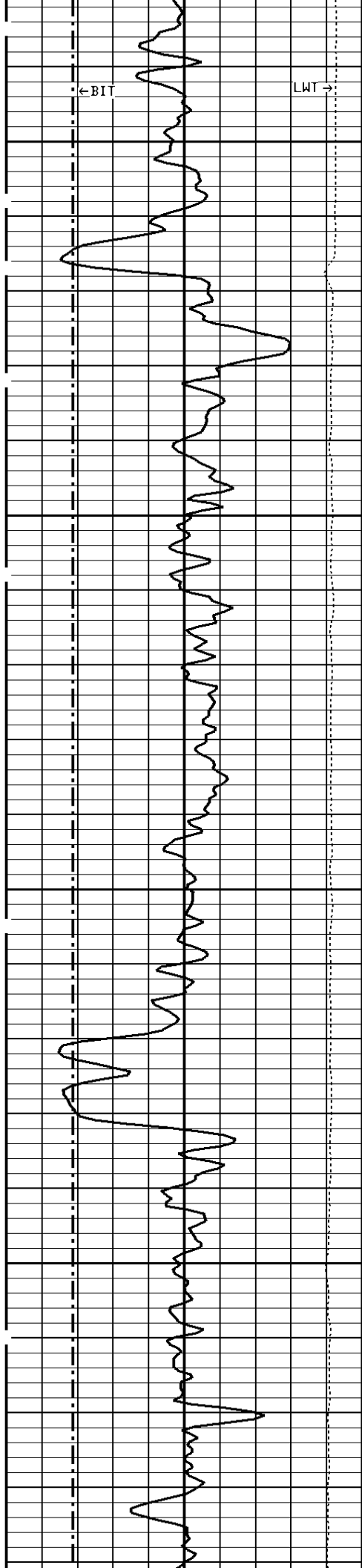
: PIT-AB-005

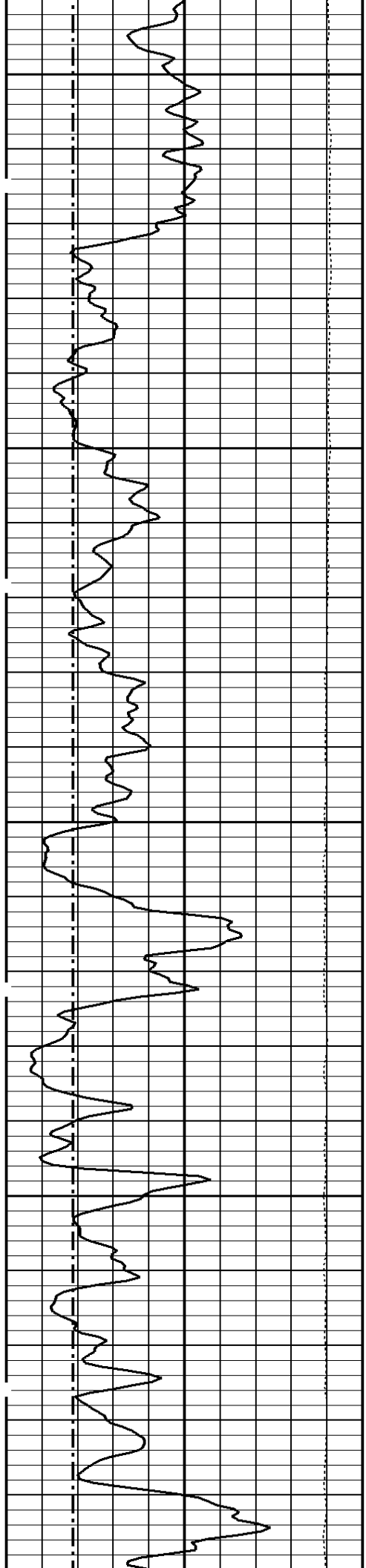
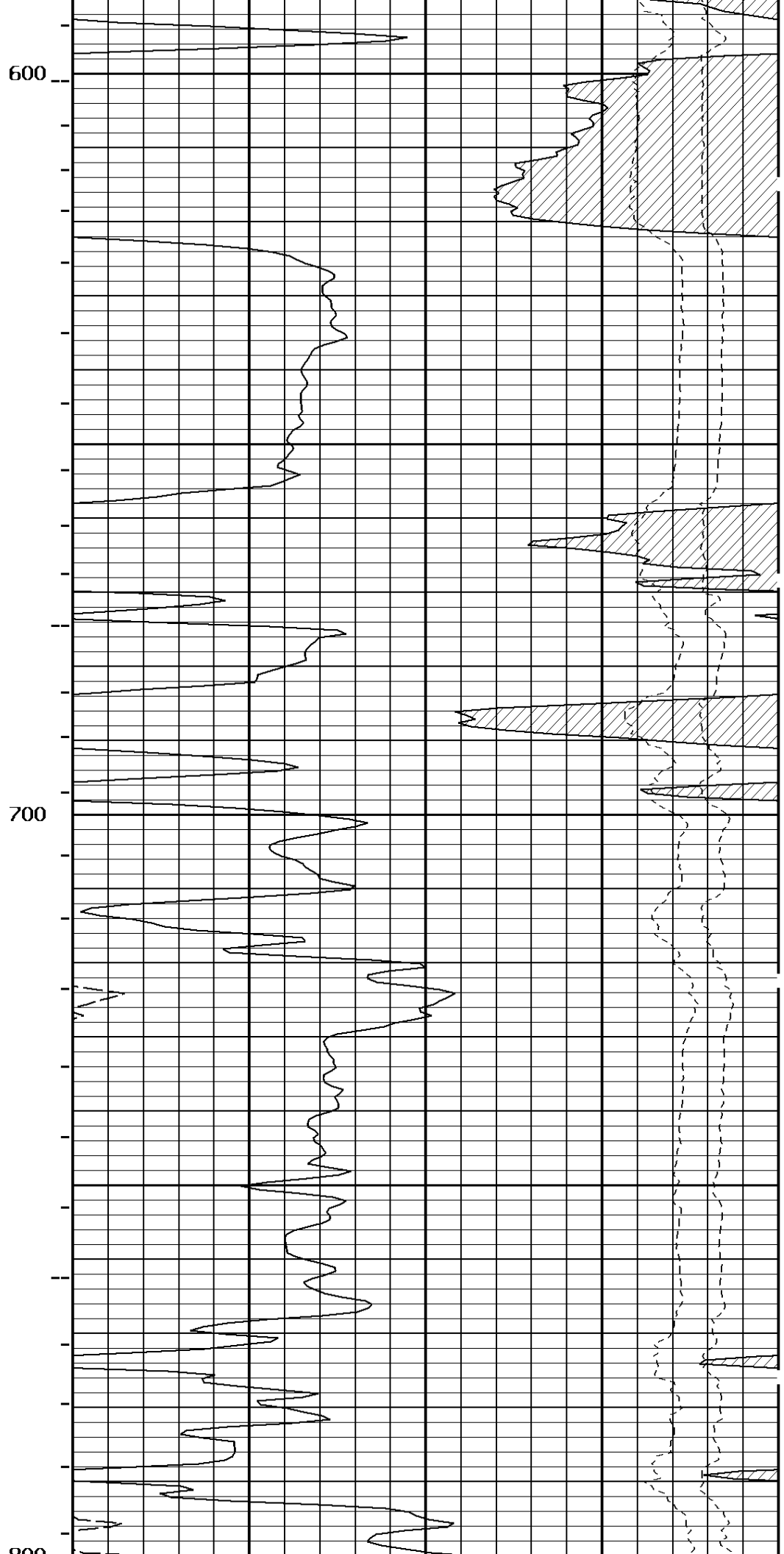
Measure Point	Stack Offset	Tool Offset	Bottom Offset
ILD	44.72	8.92	12.56
ILM	45.90	10.10	11.39
SFLU	53.29	17.49	4.00
SP	56.40	20.60	0.88

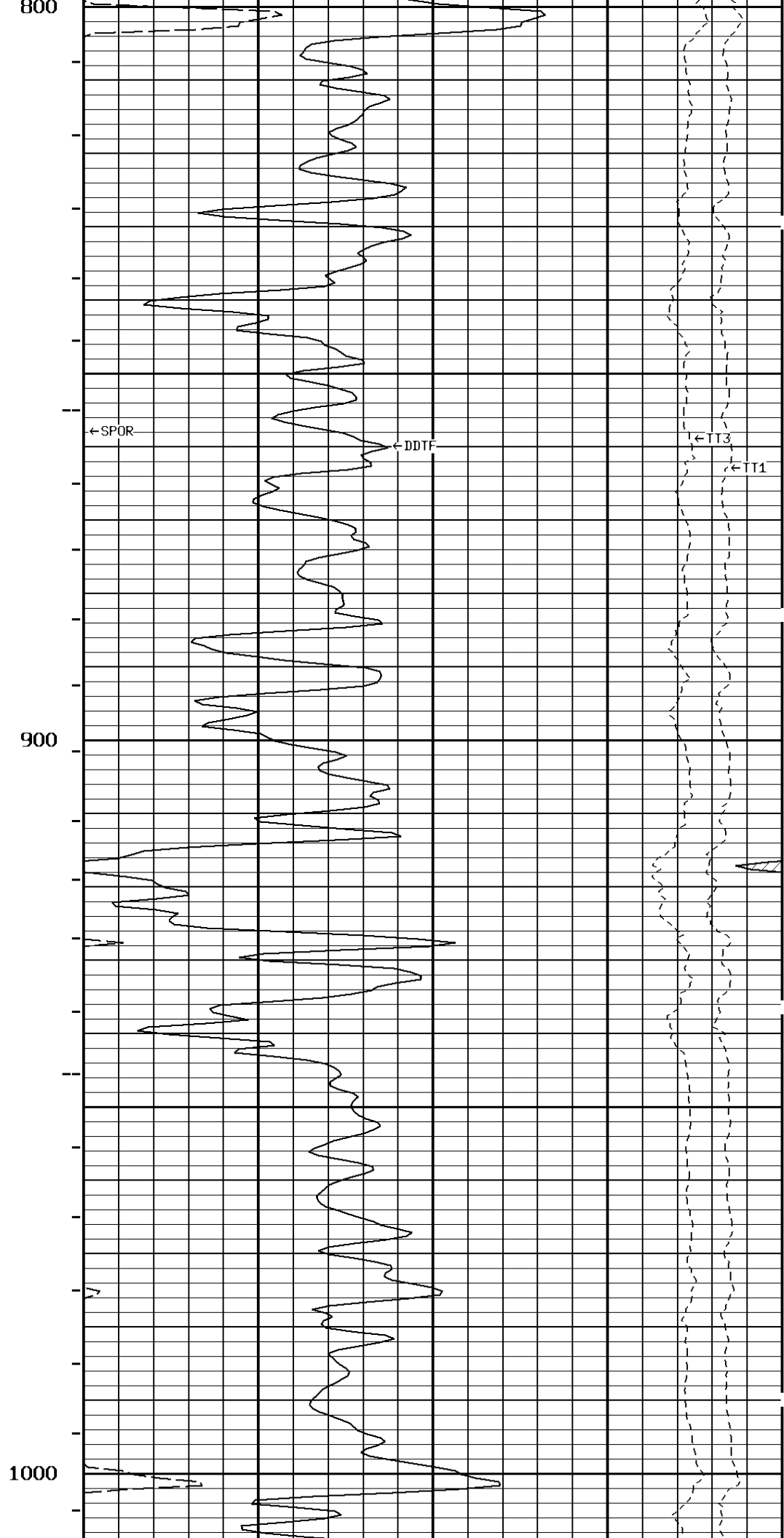
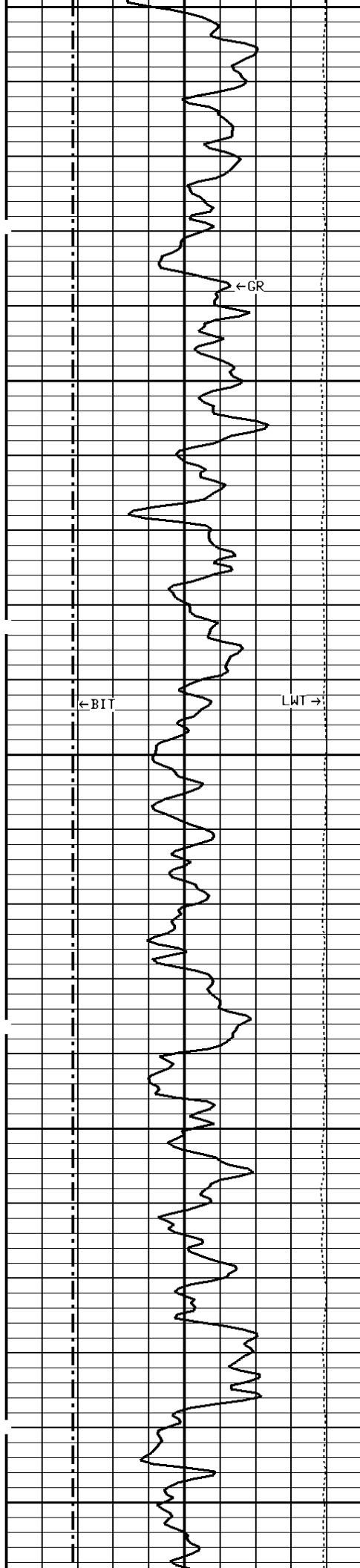


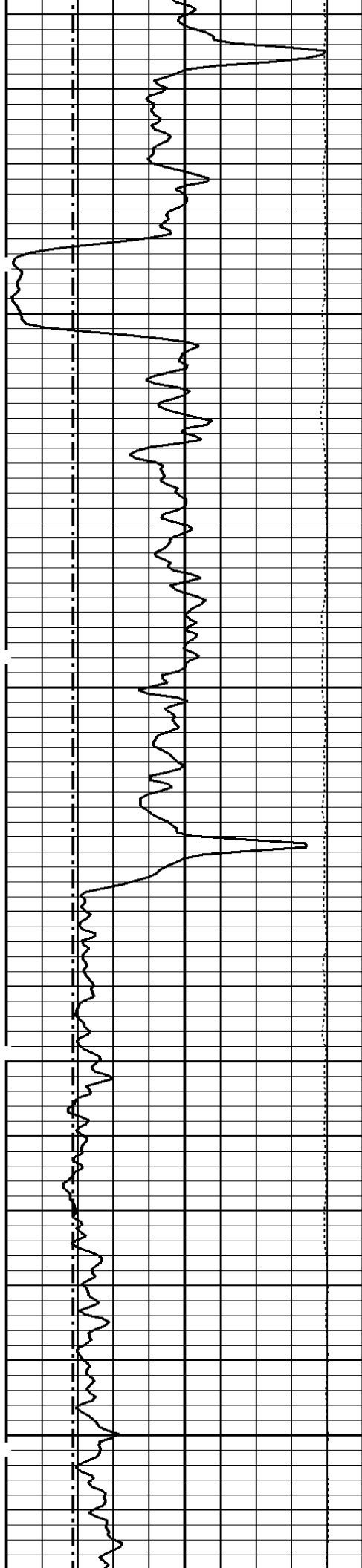
1:240 MAIN SECTION



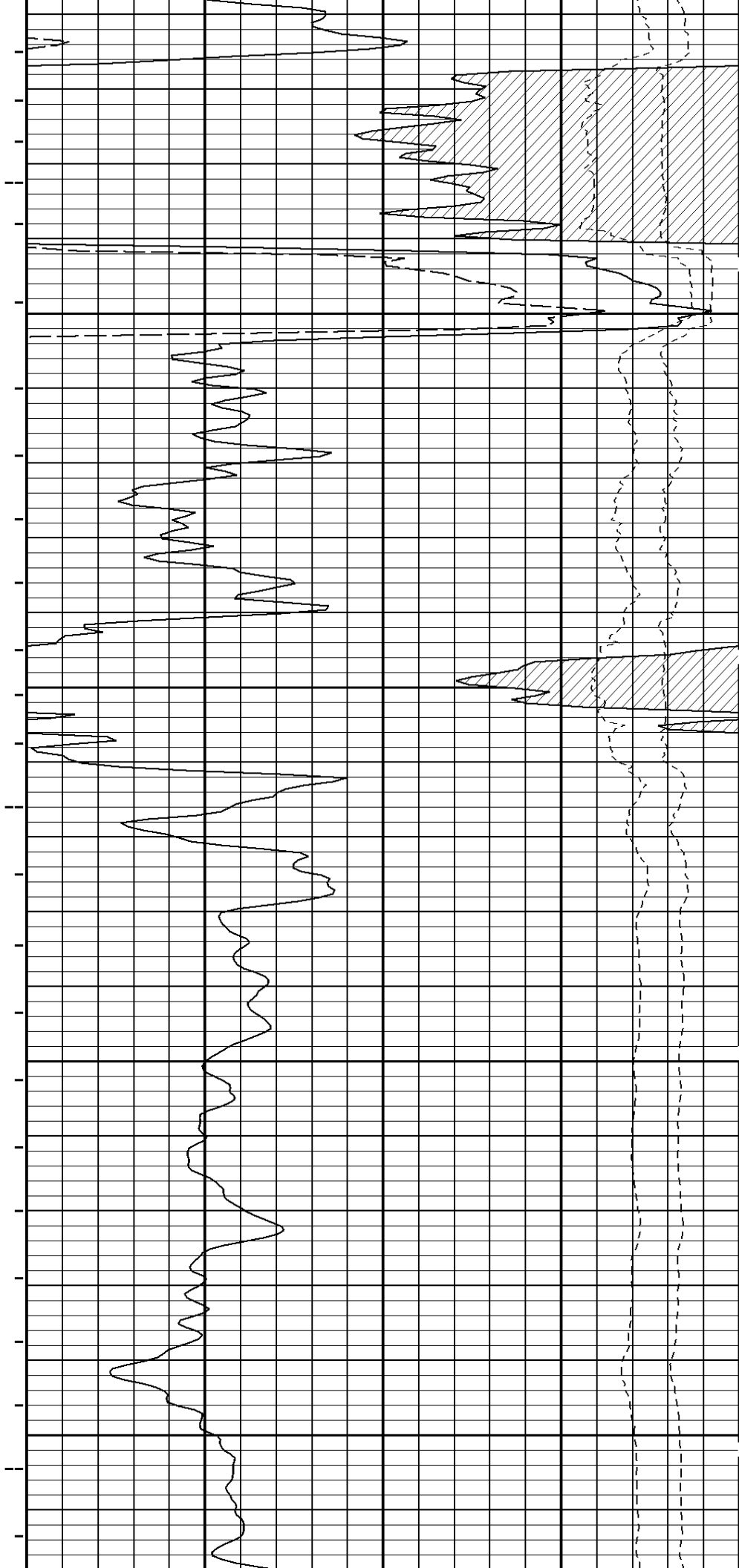




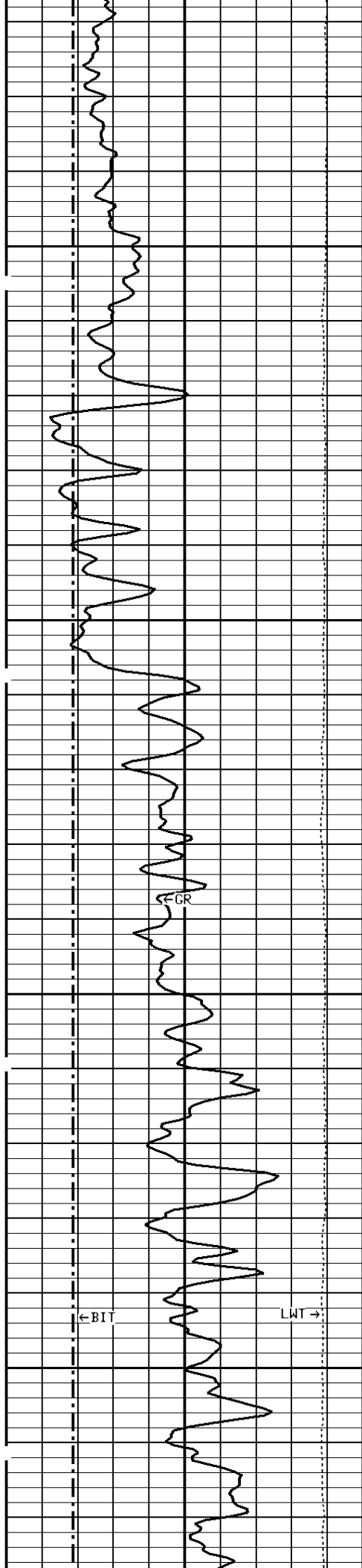




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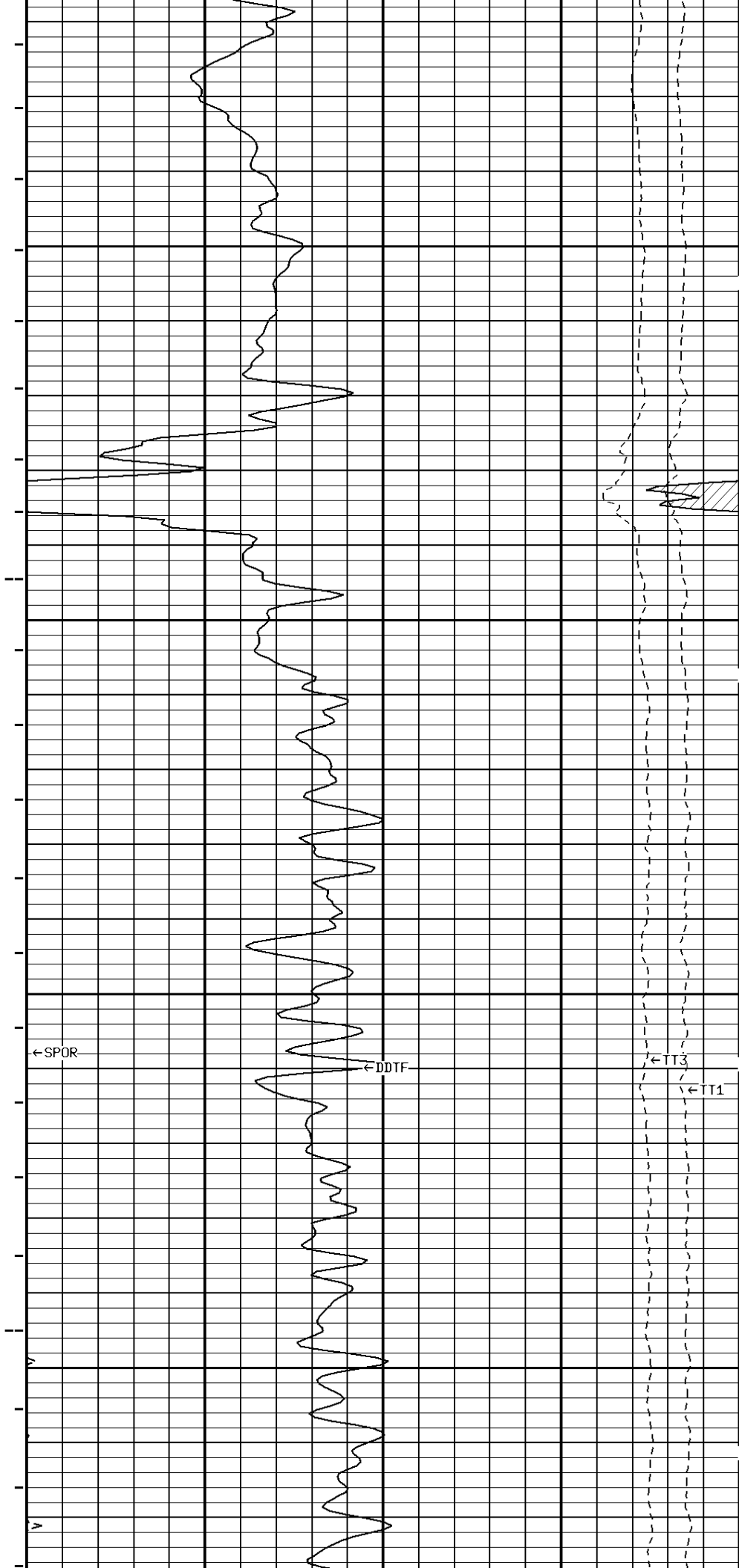


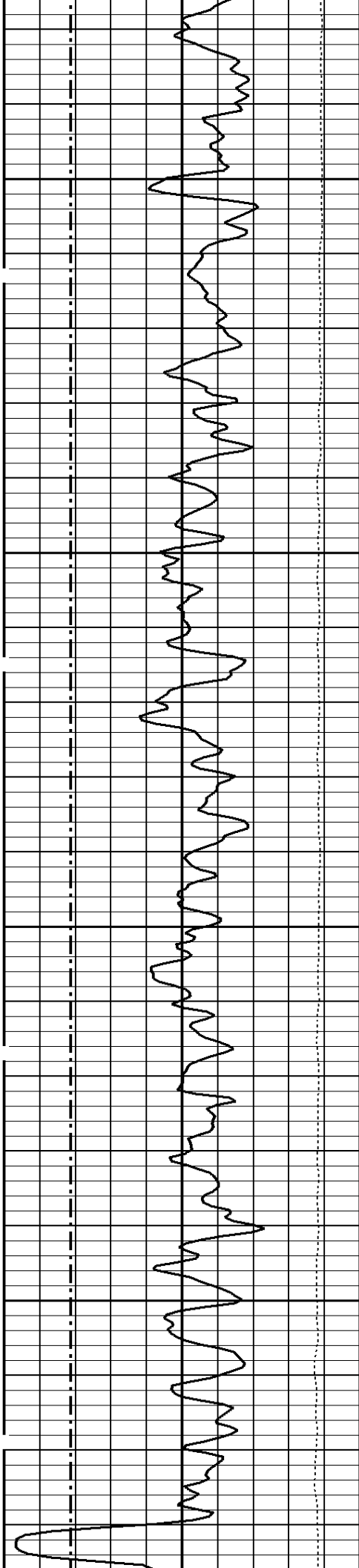
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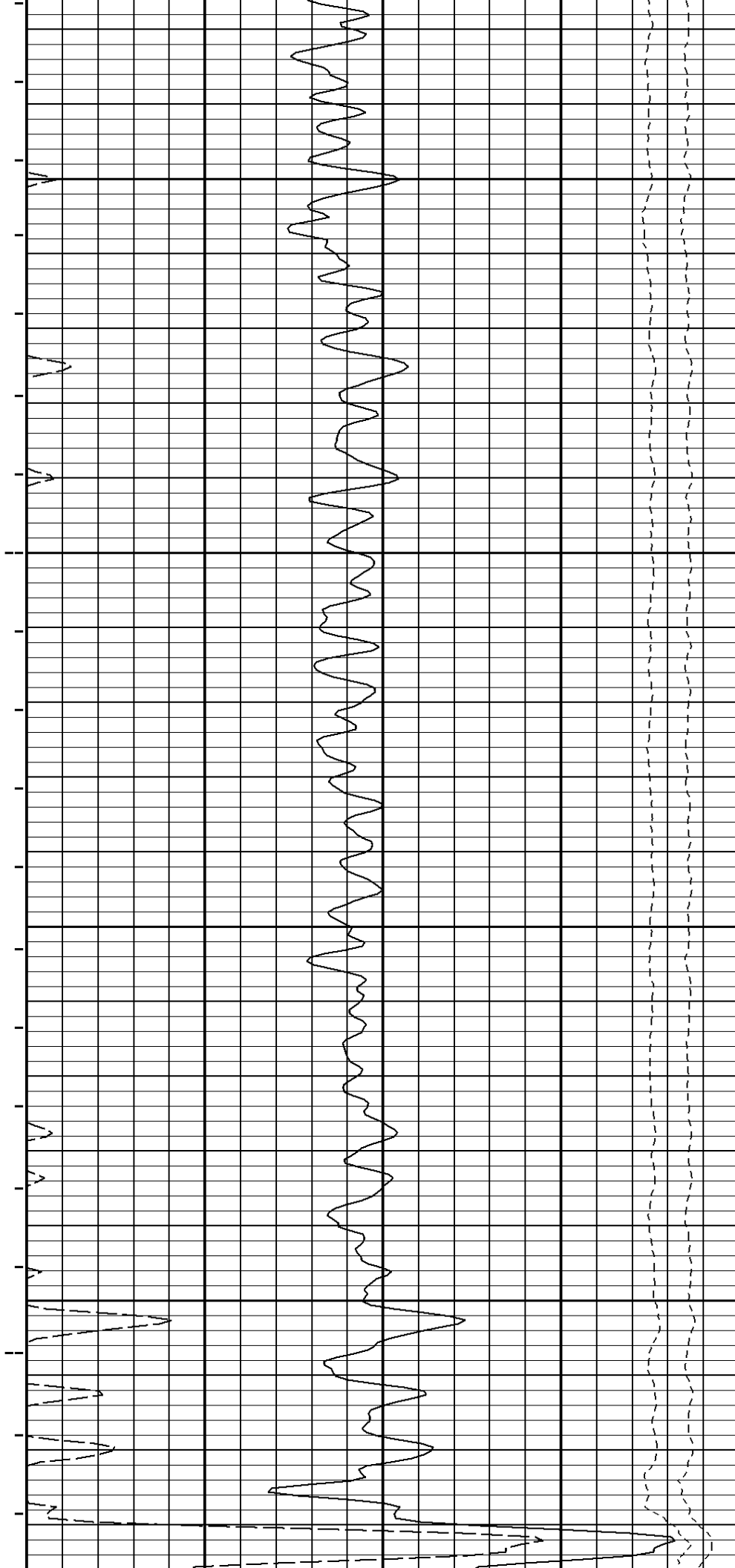
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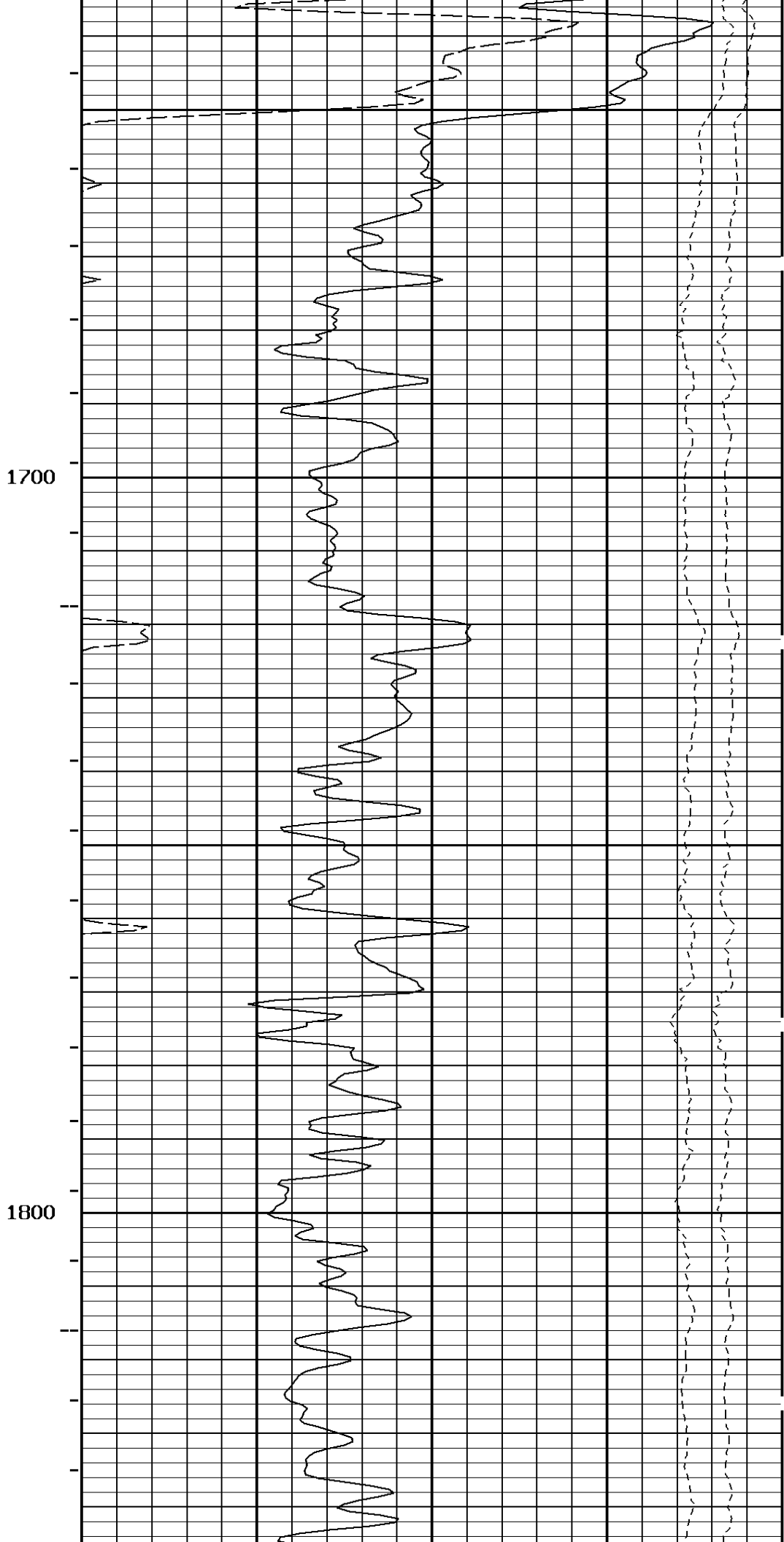
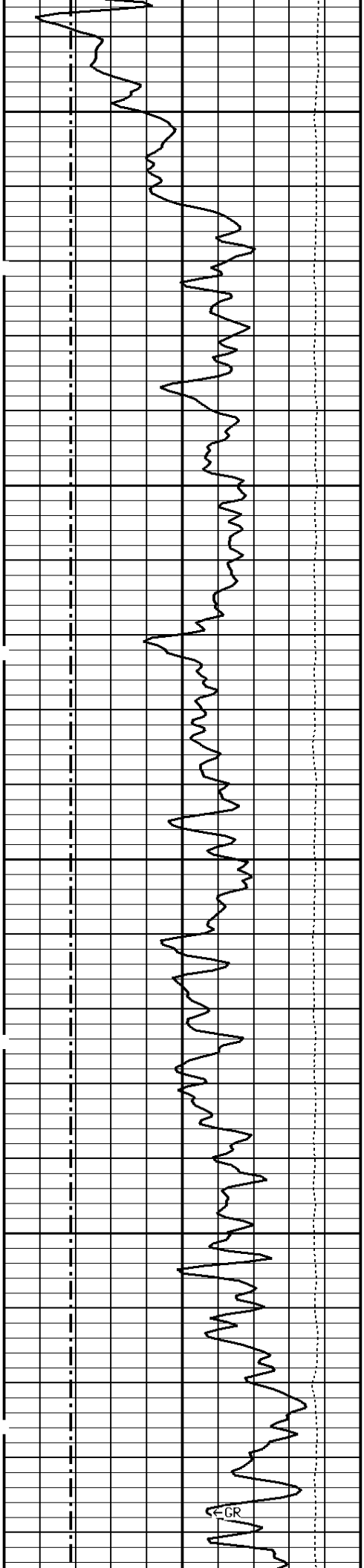


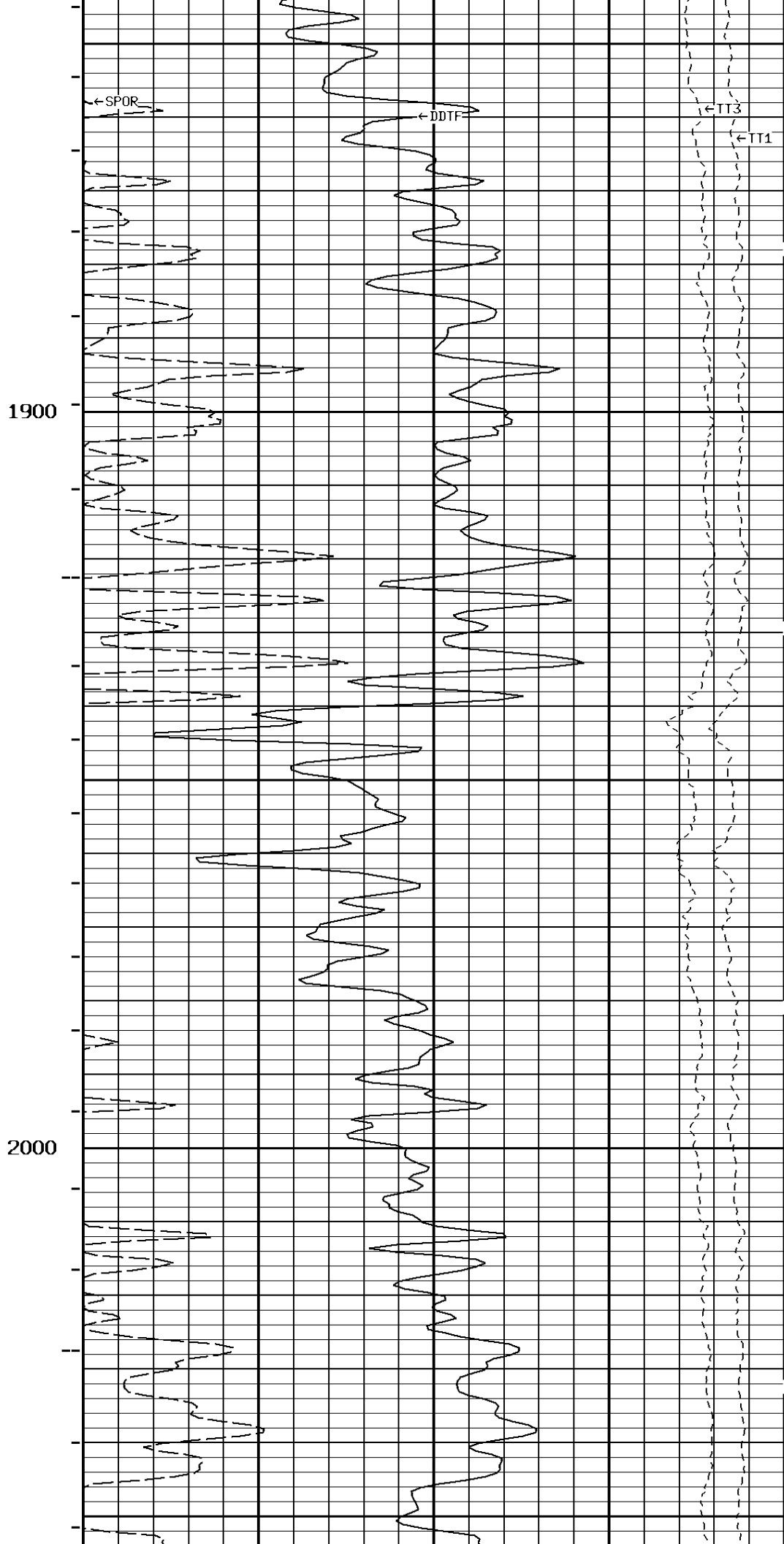
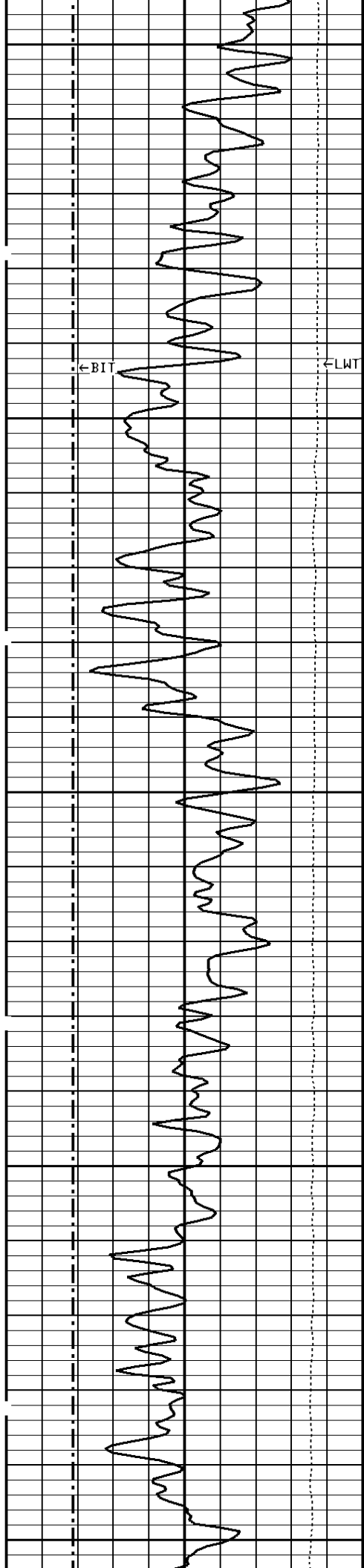


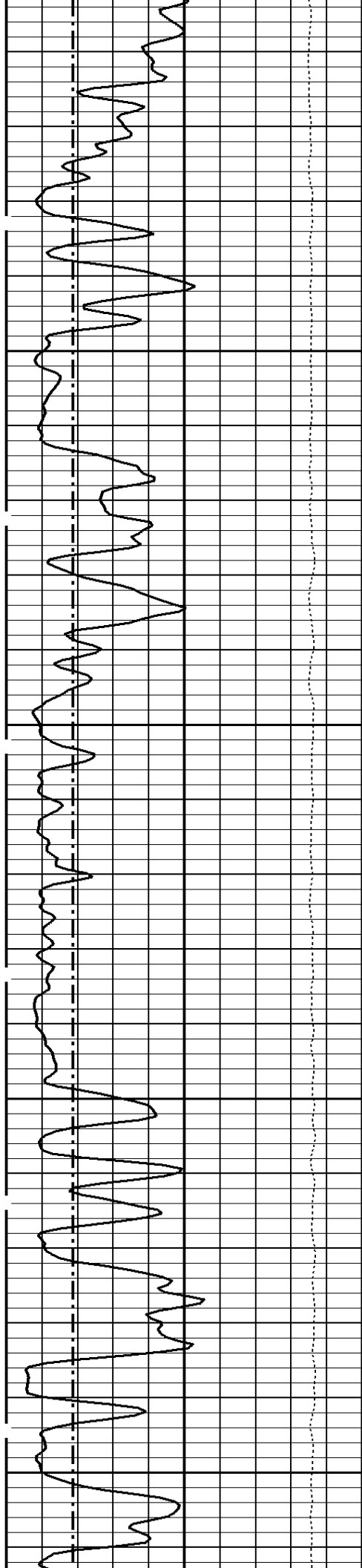
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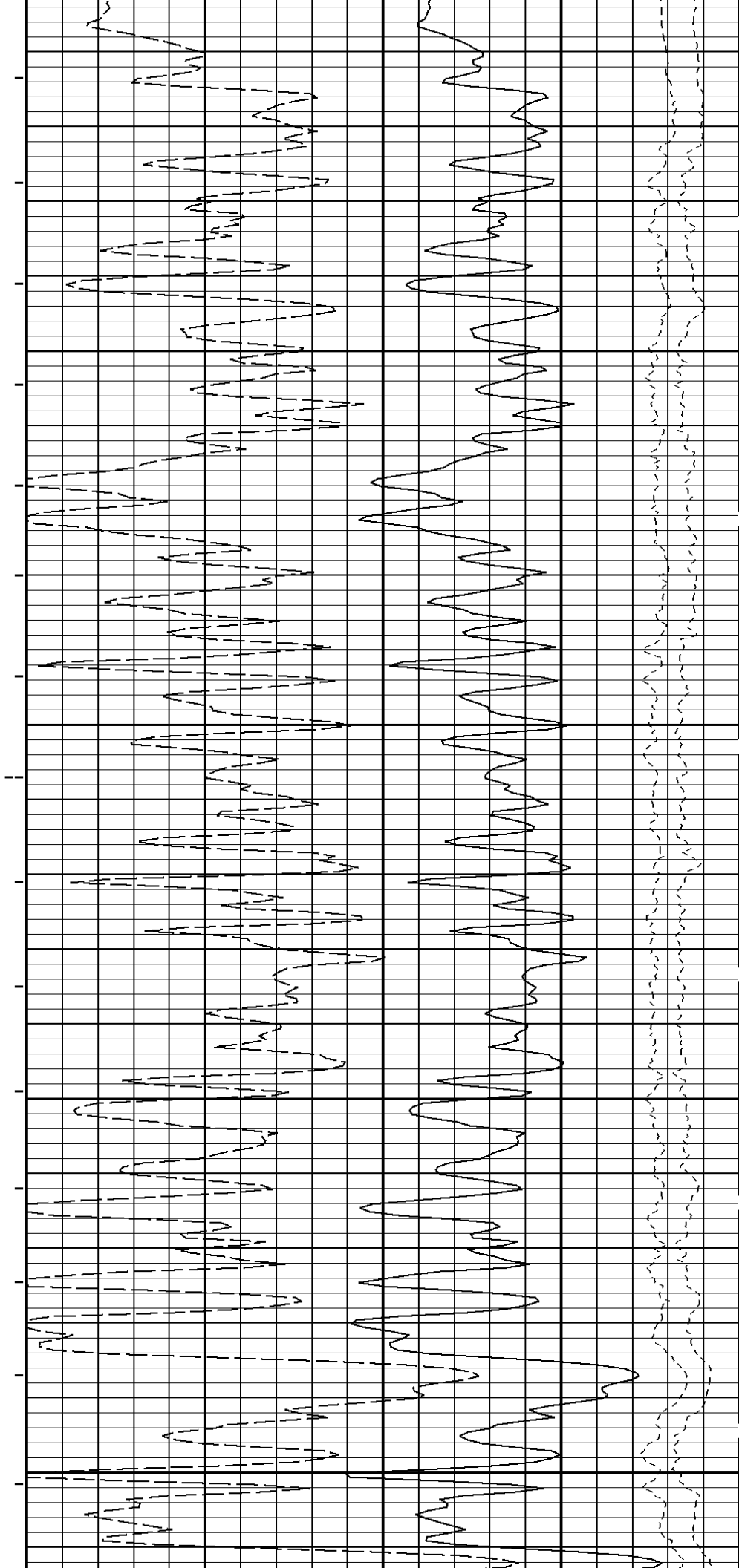


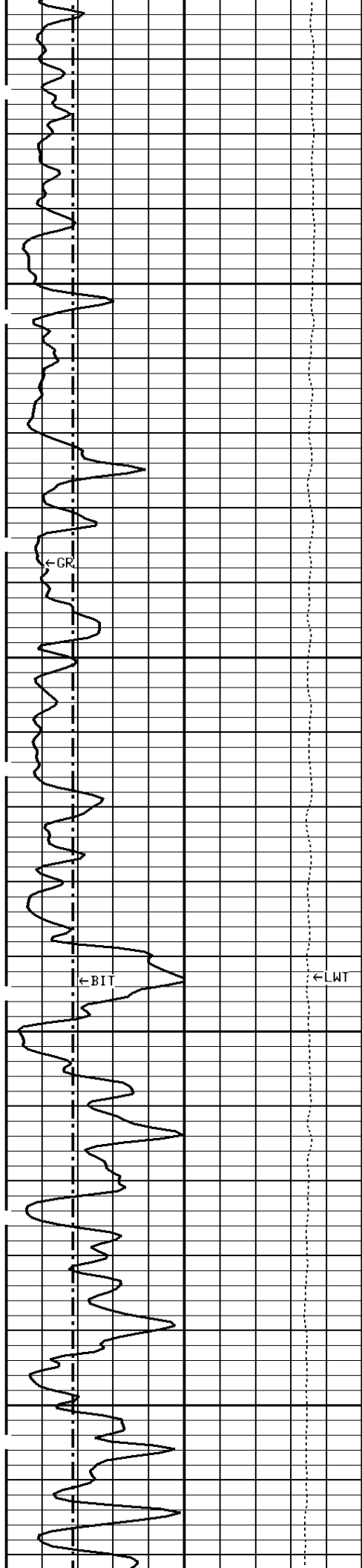




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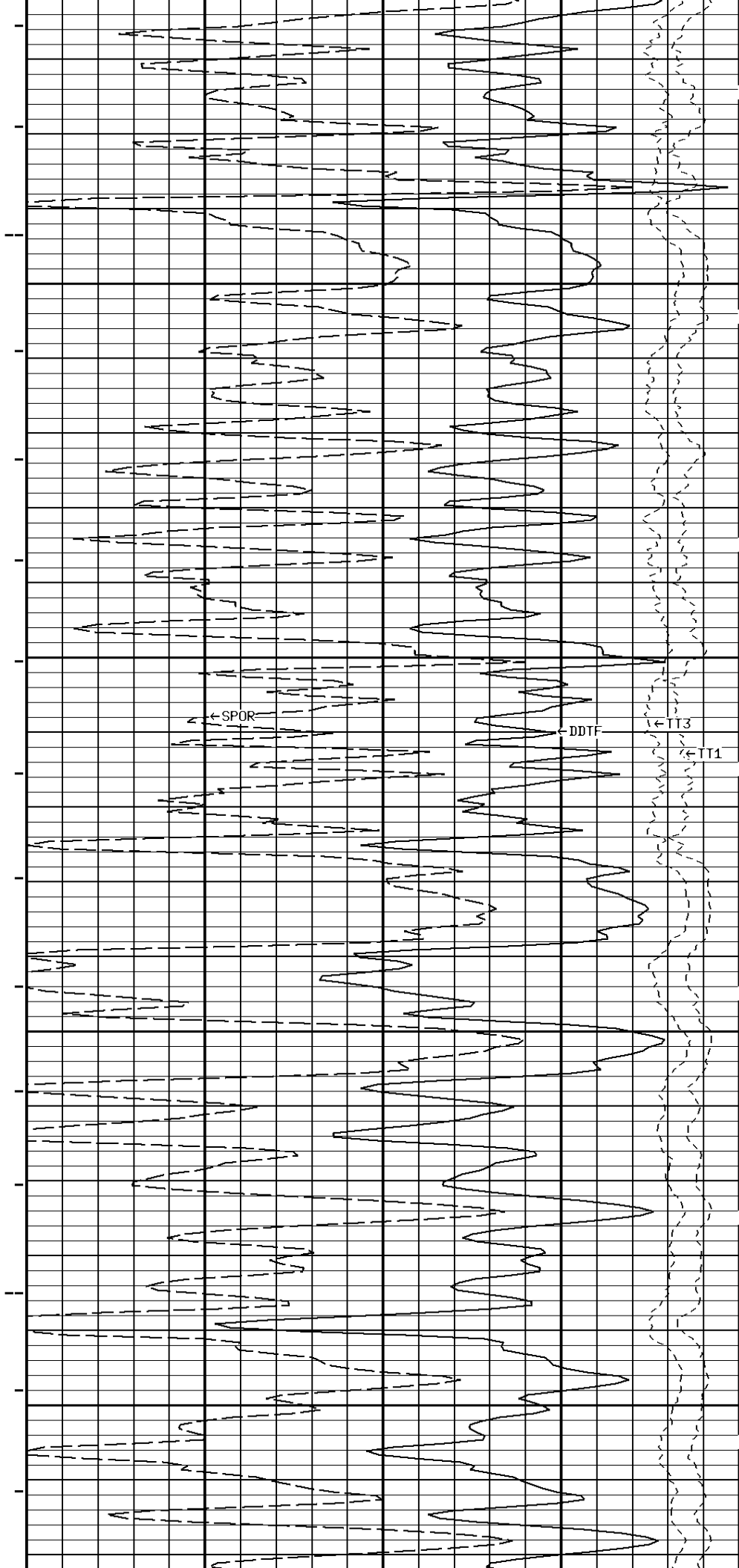
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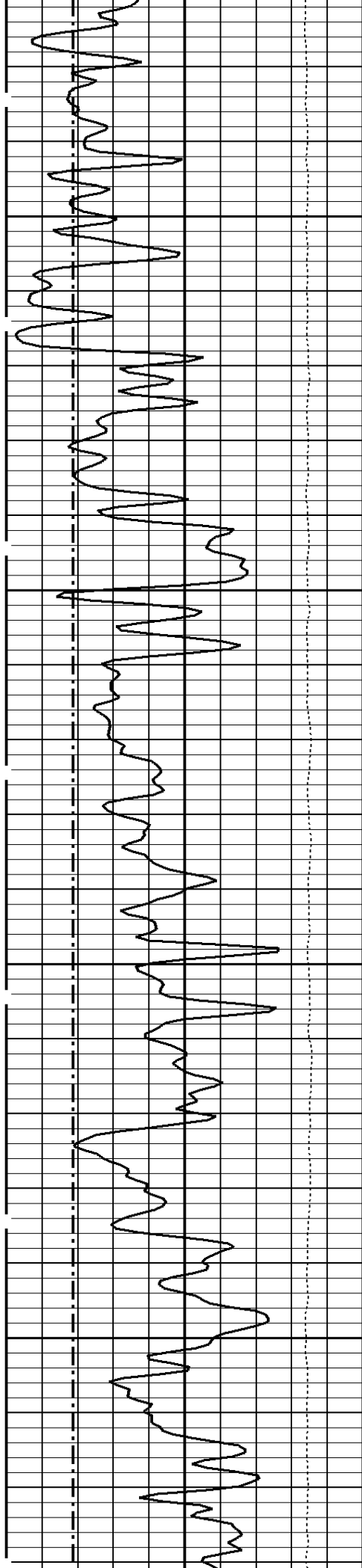




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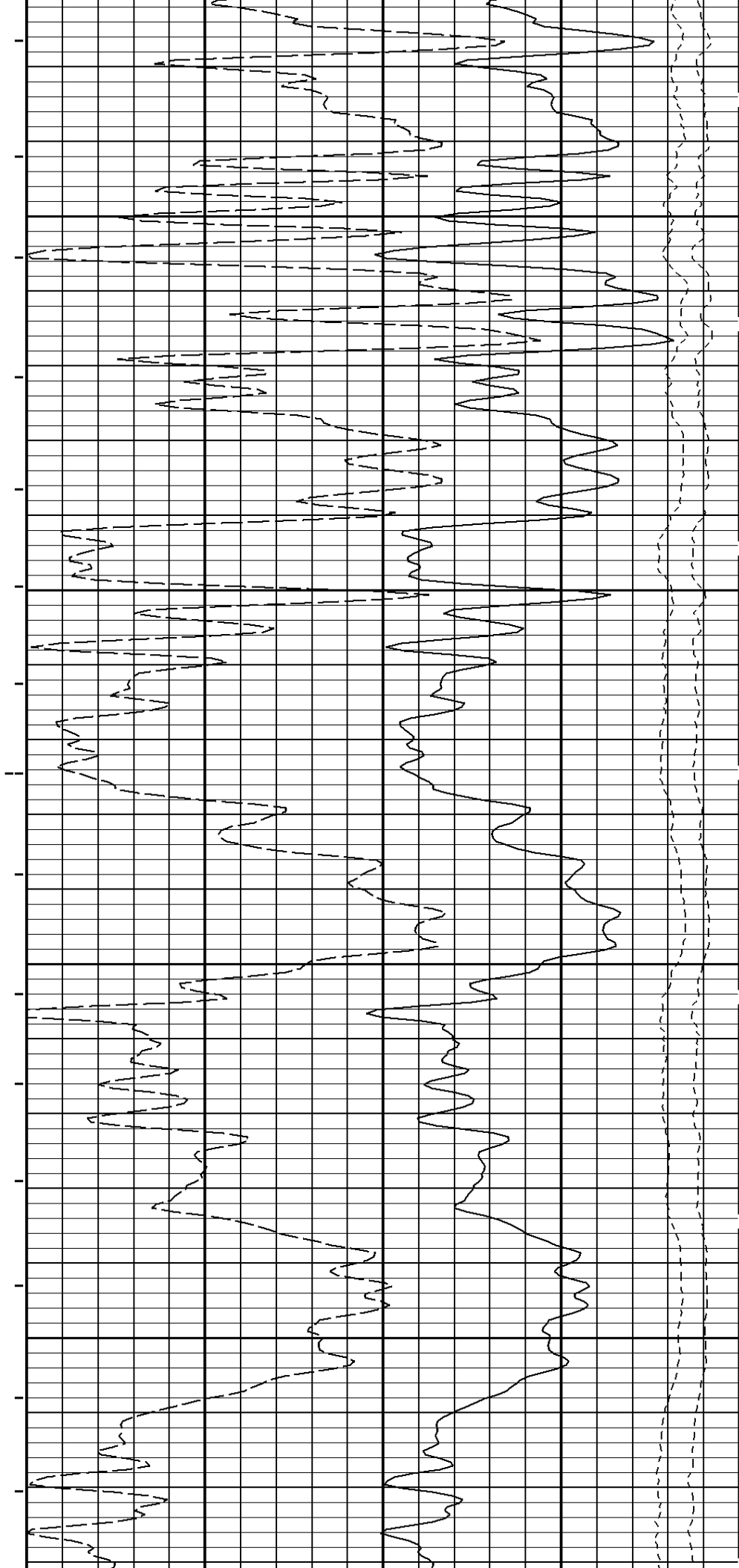
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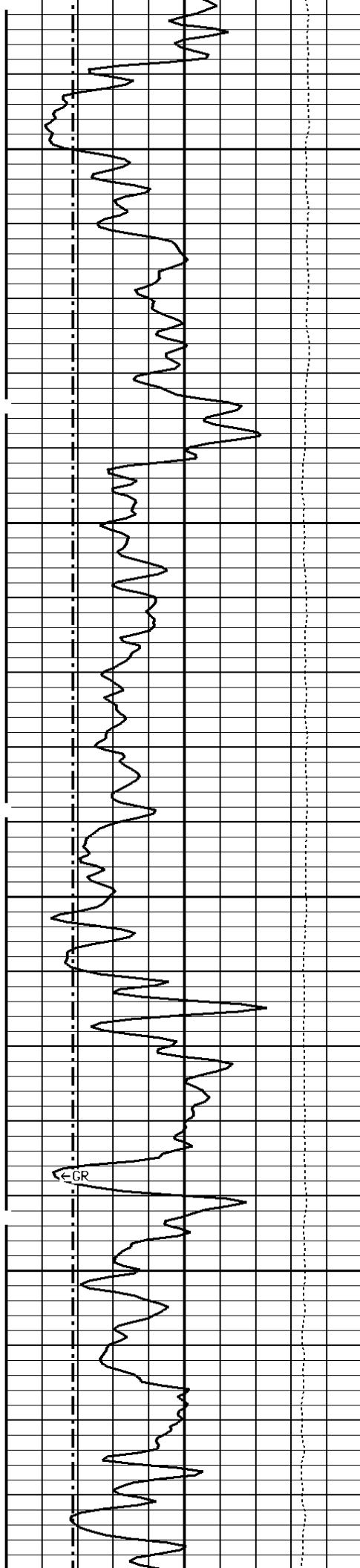




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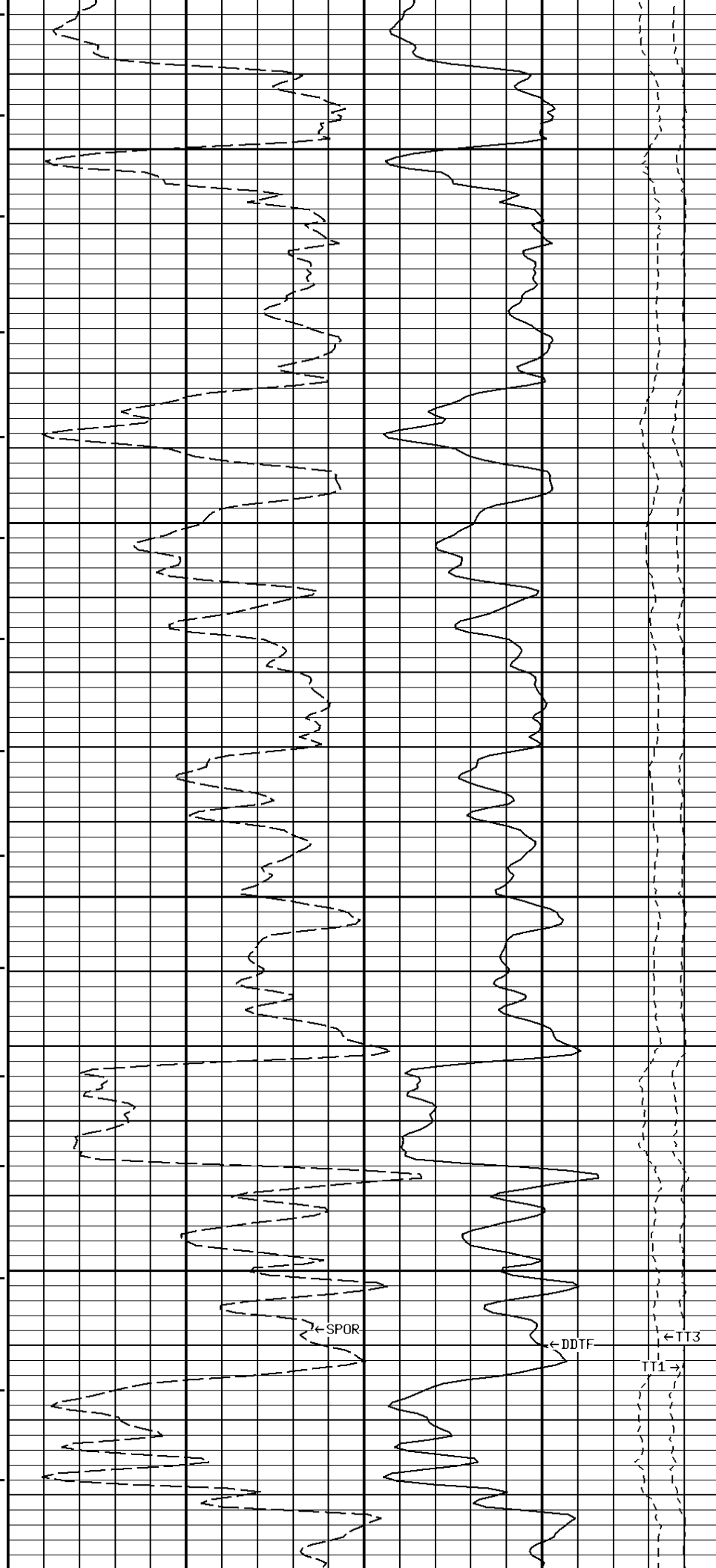
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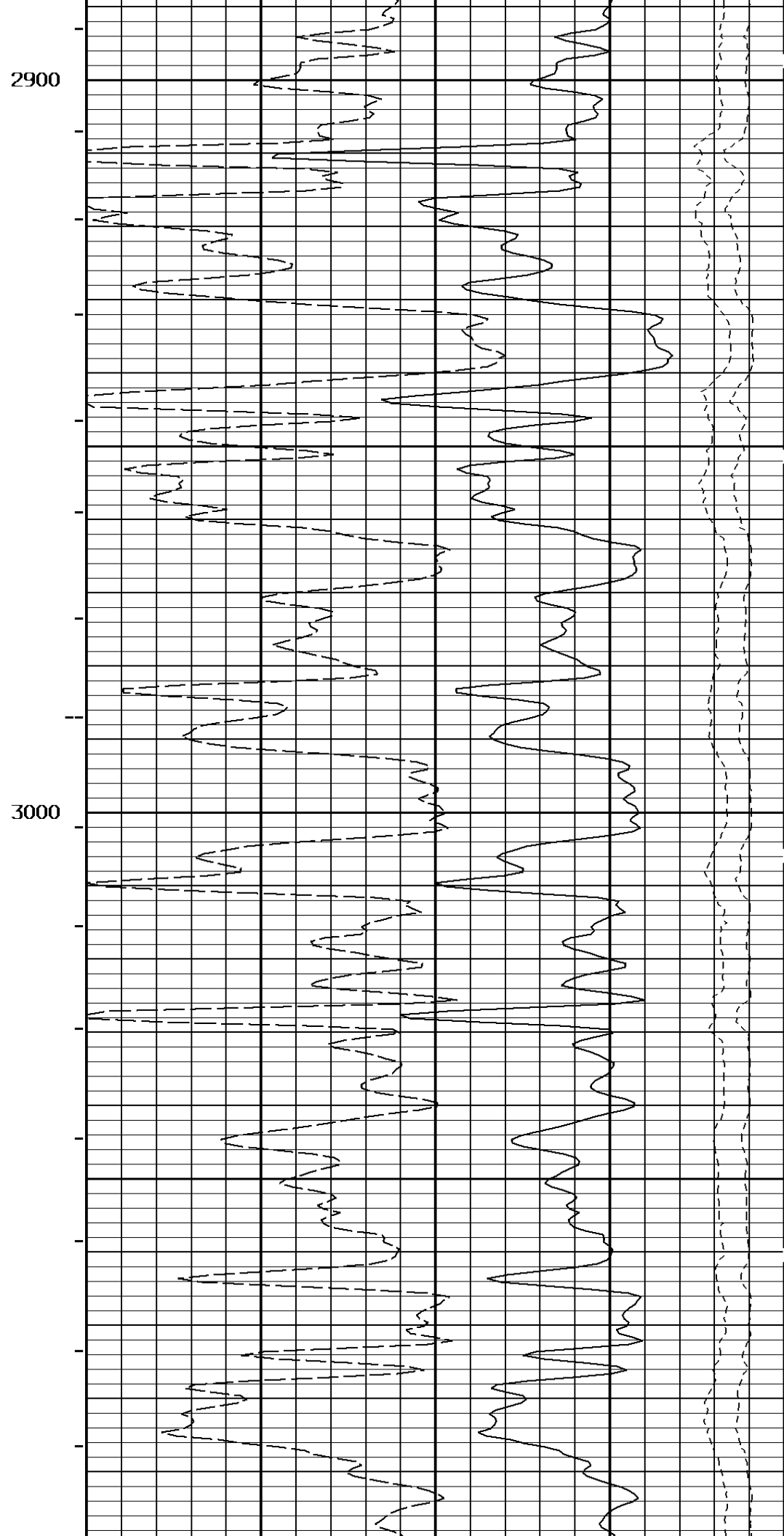
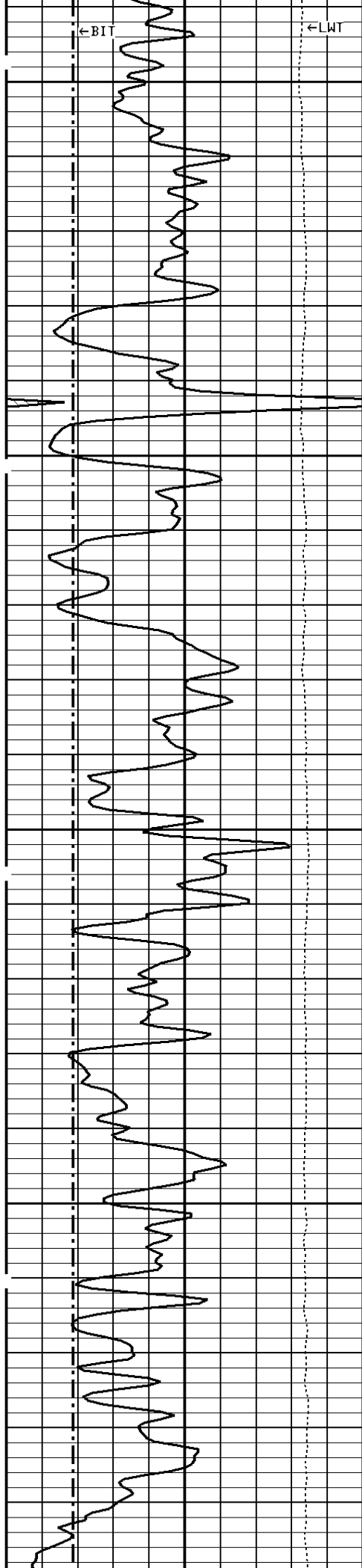


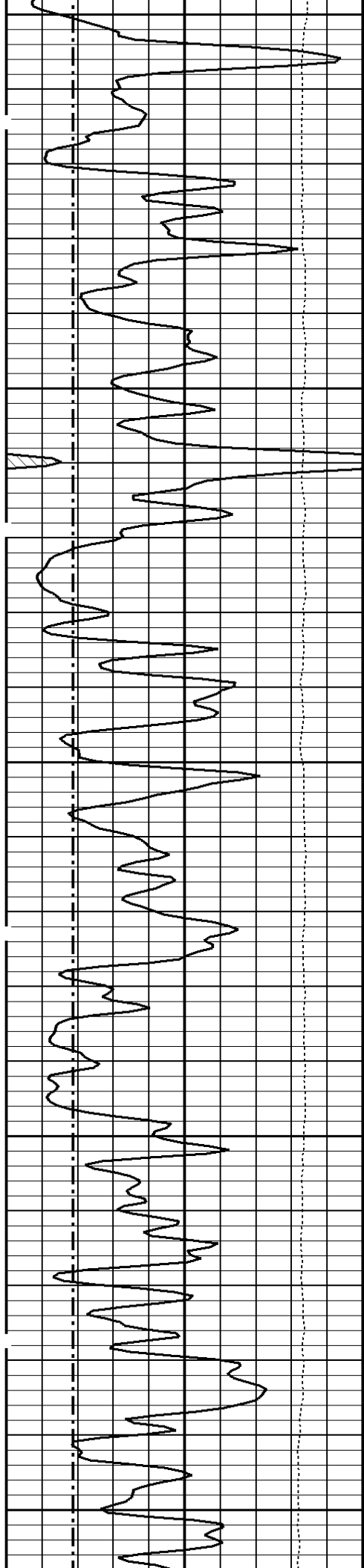


2700

2800



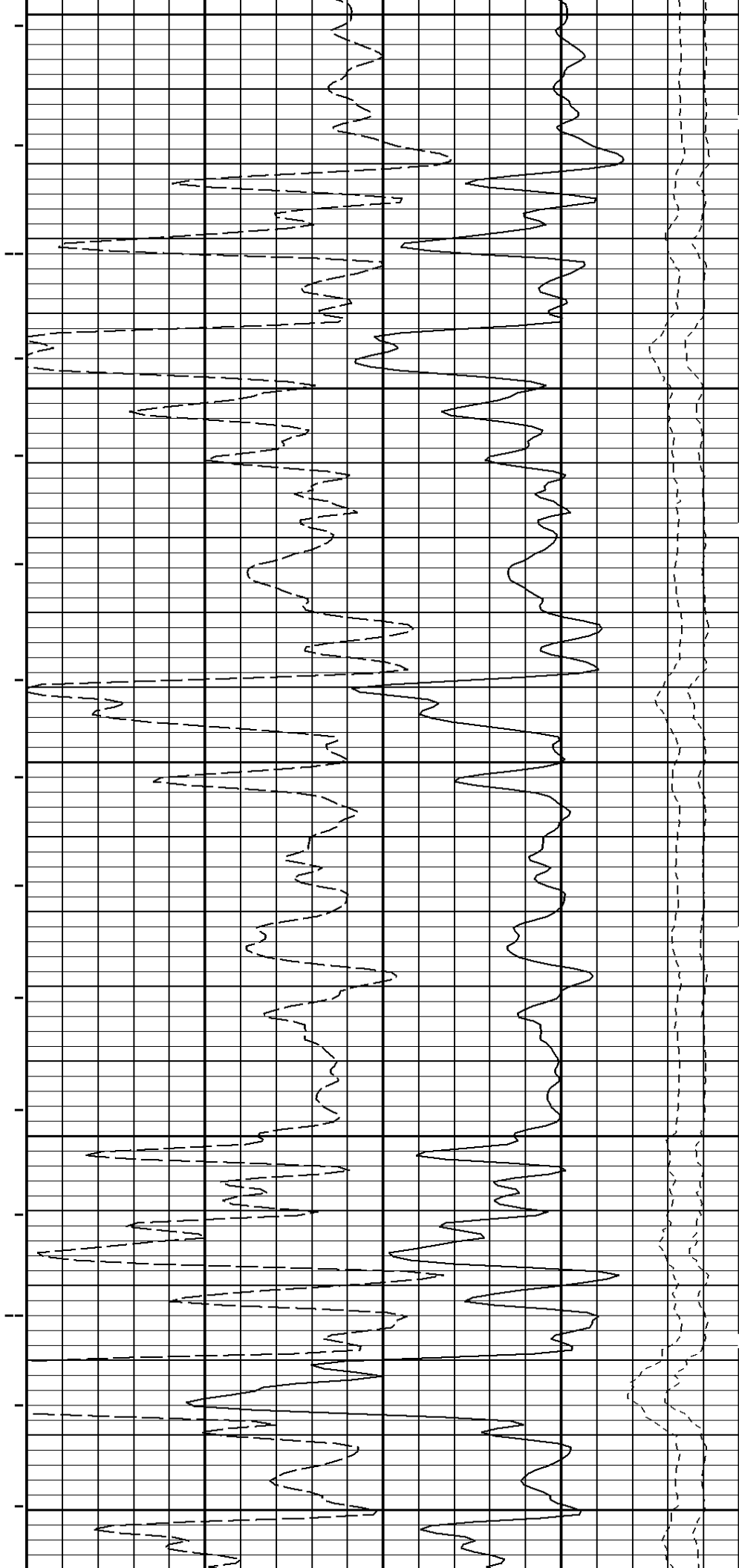


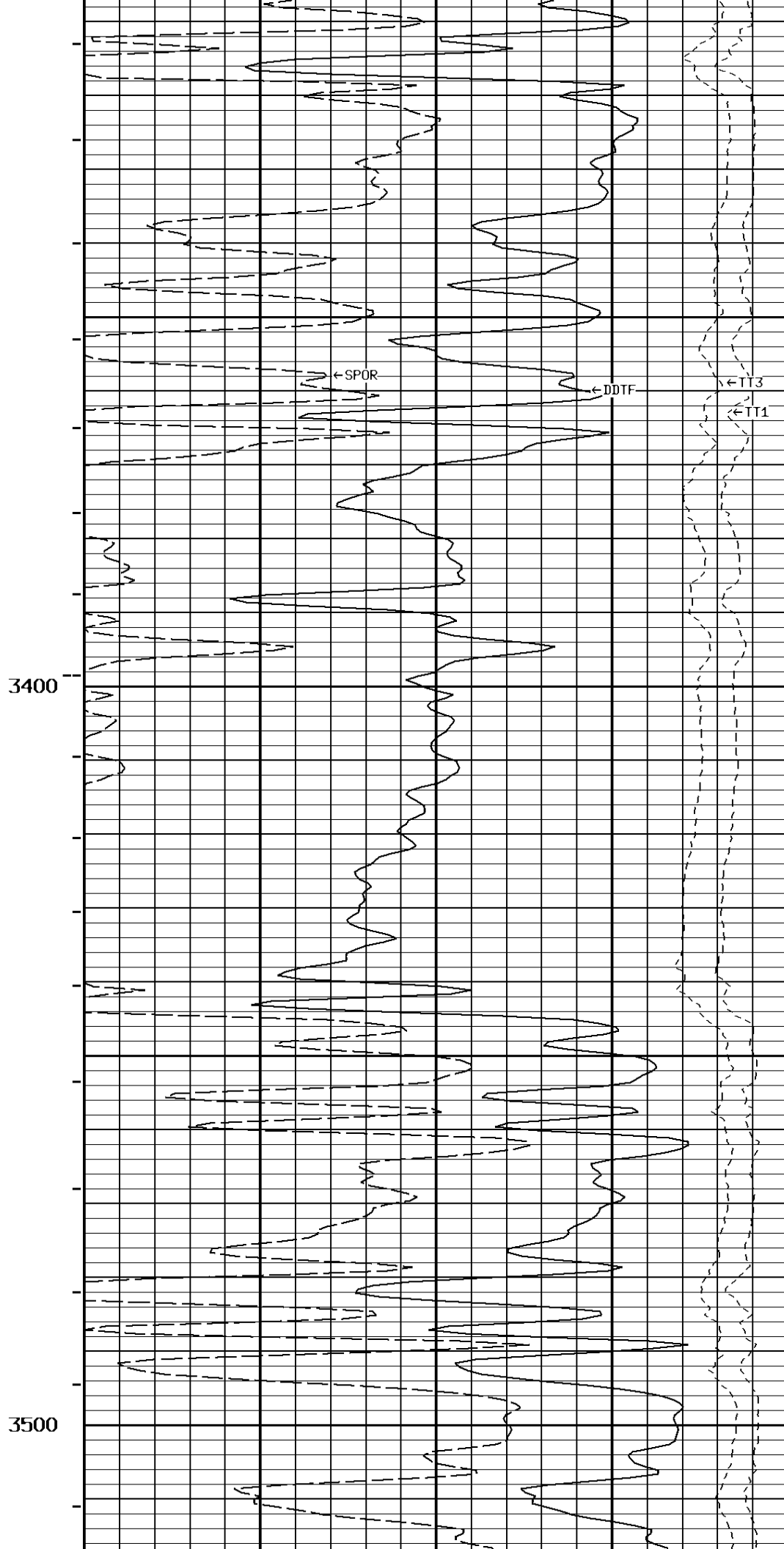
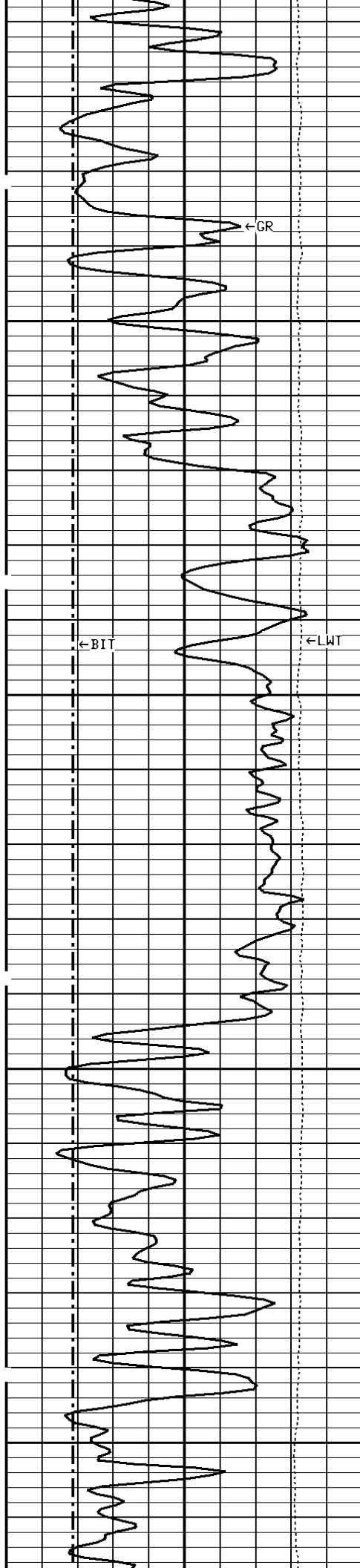


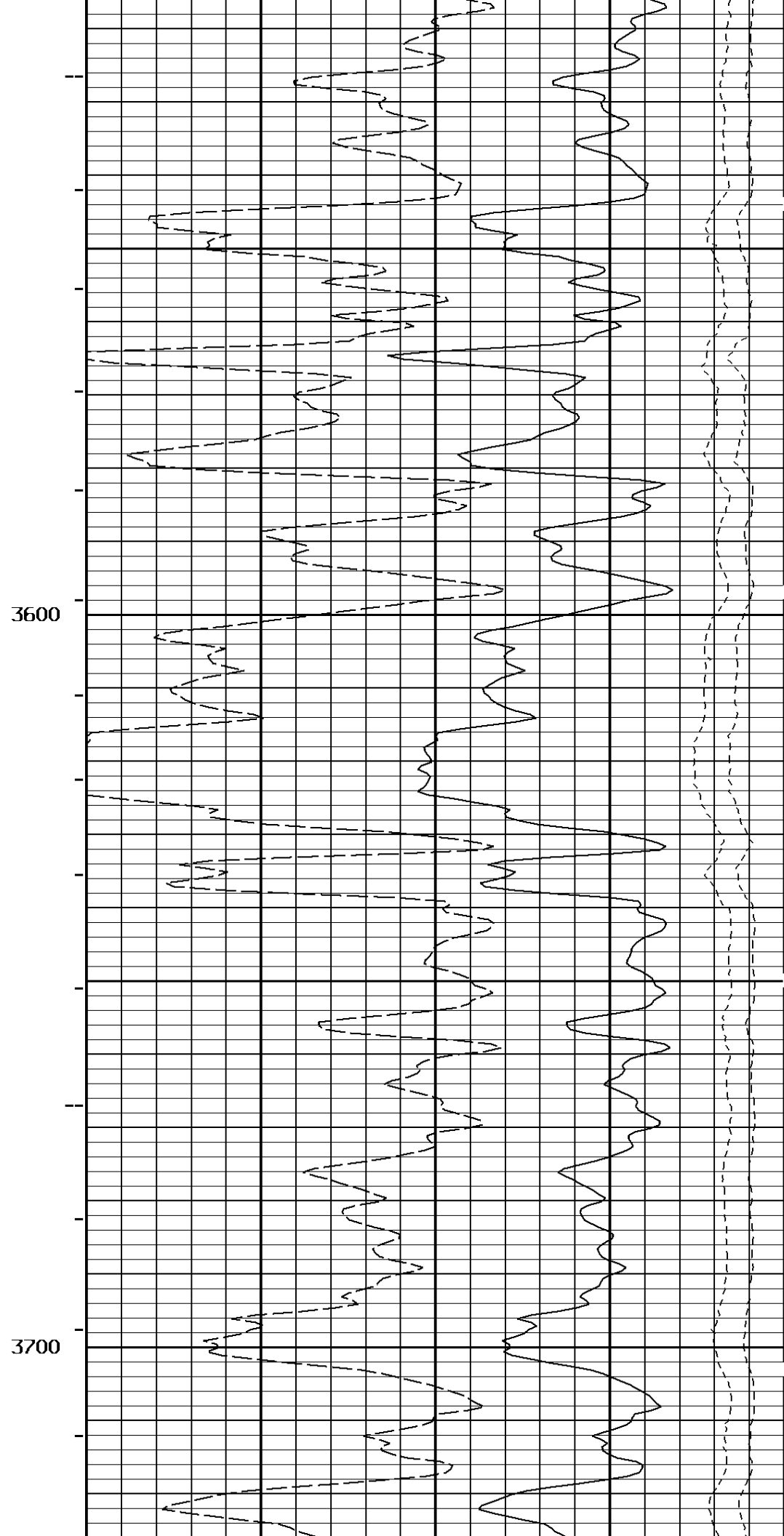
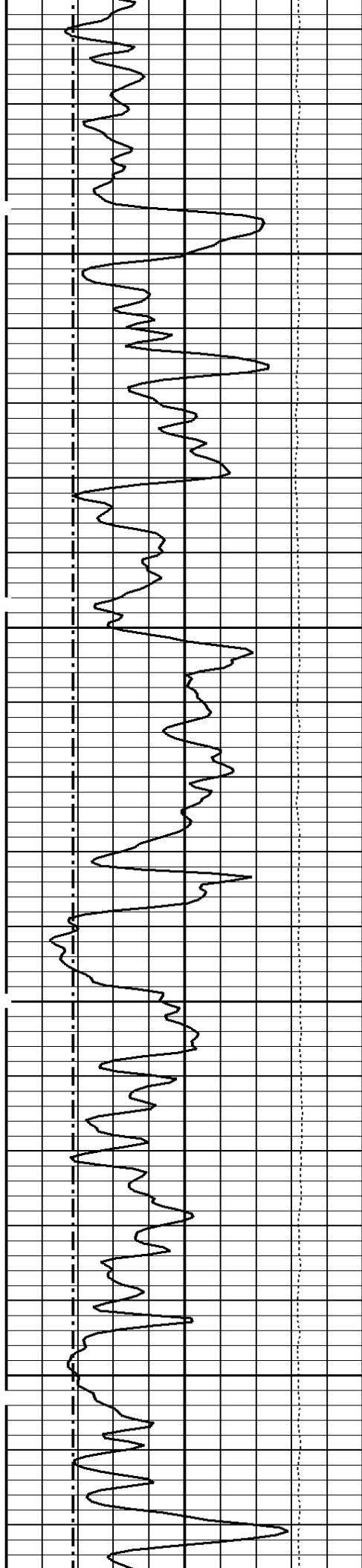
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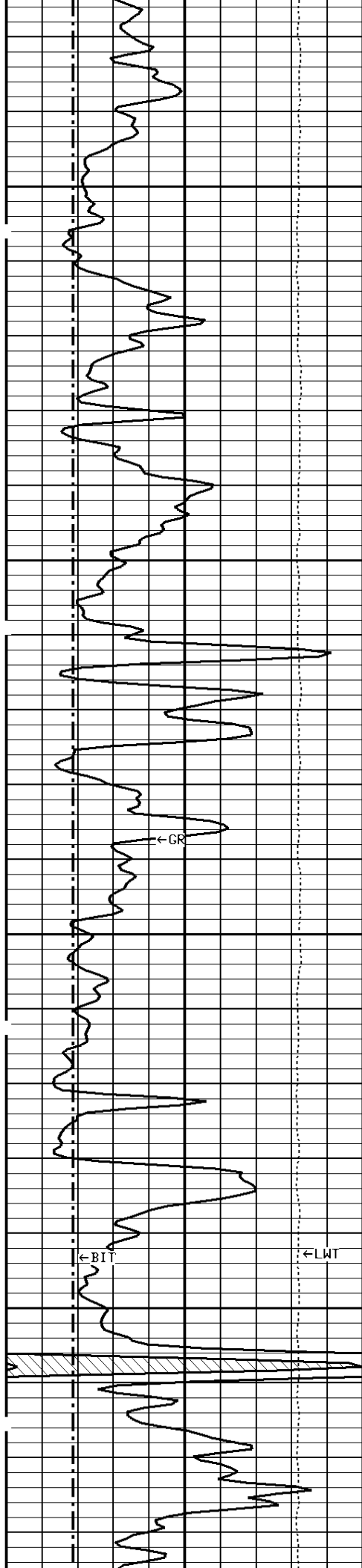
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3300



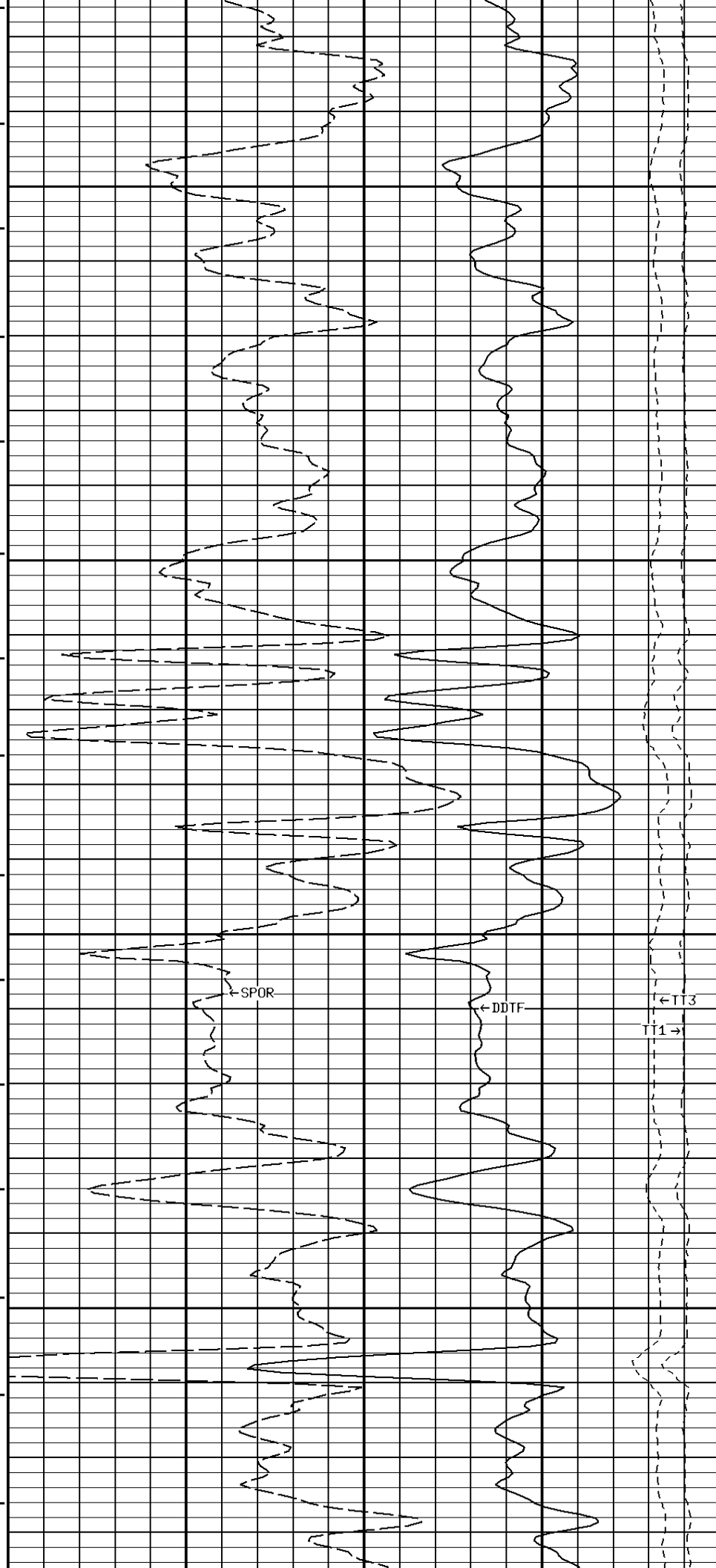


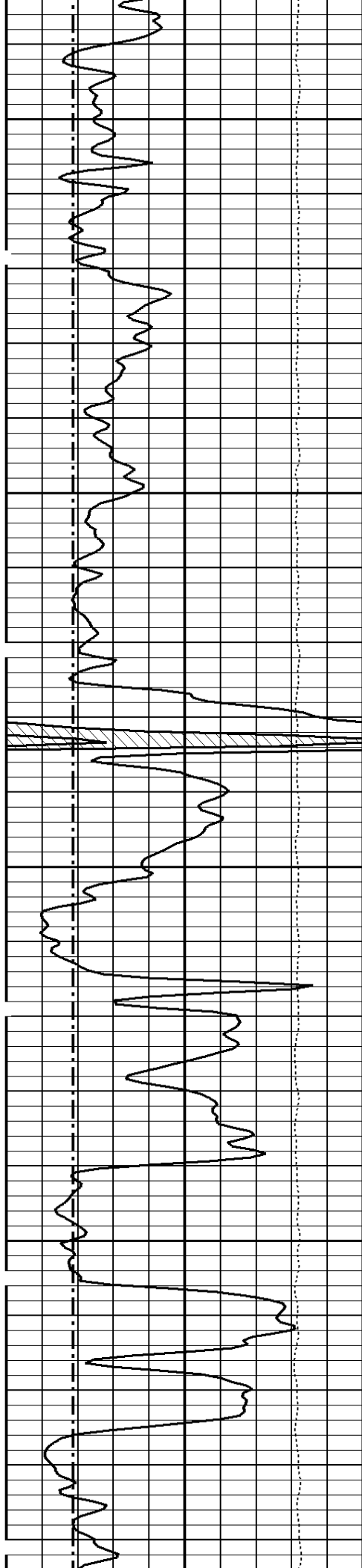




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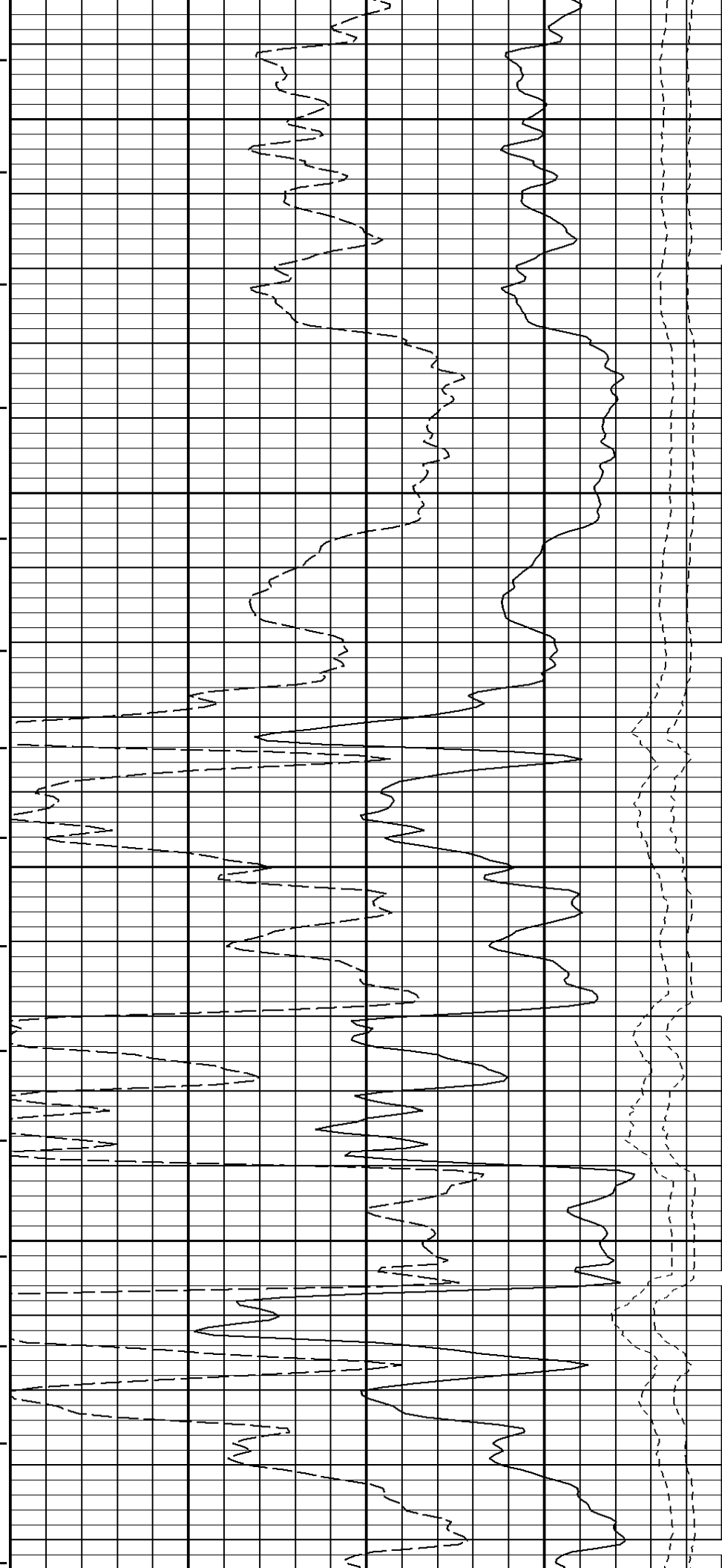
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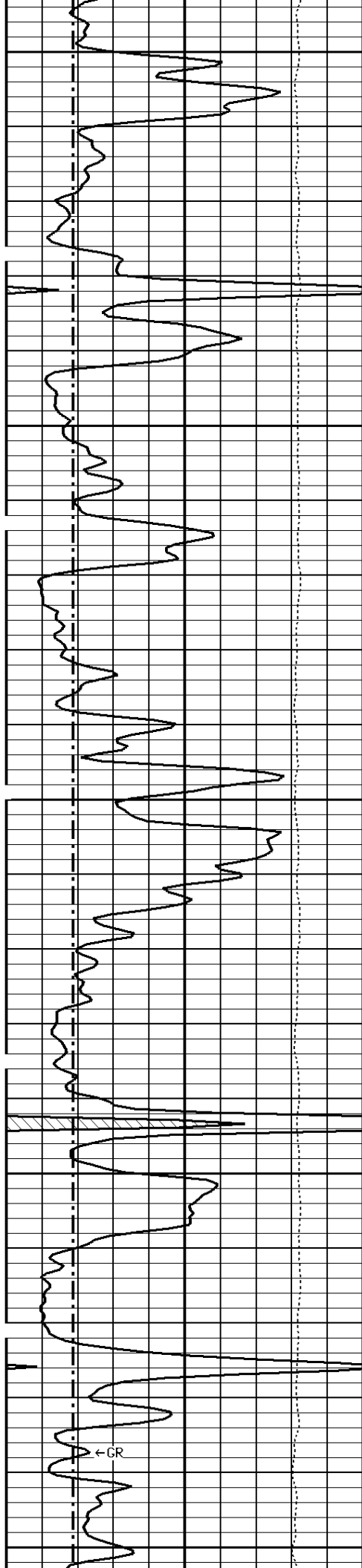




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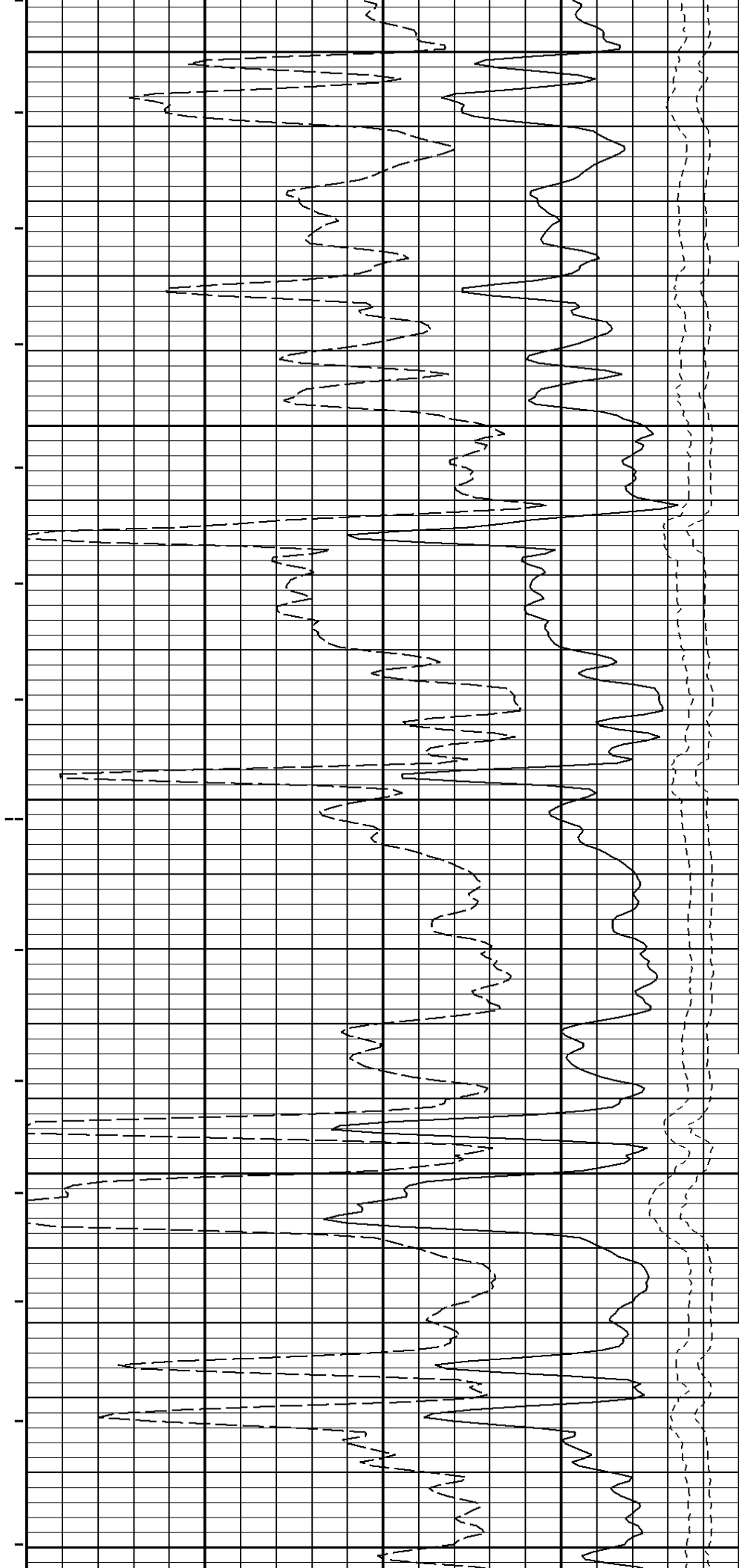
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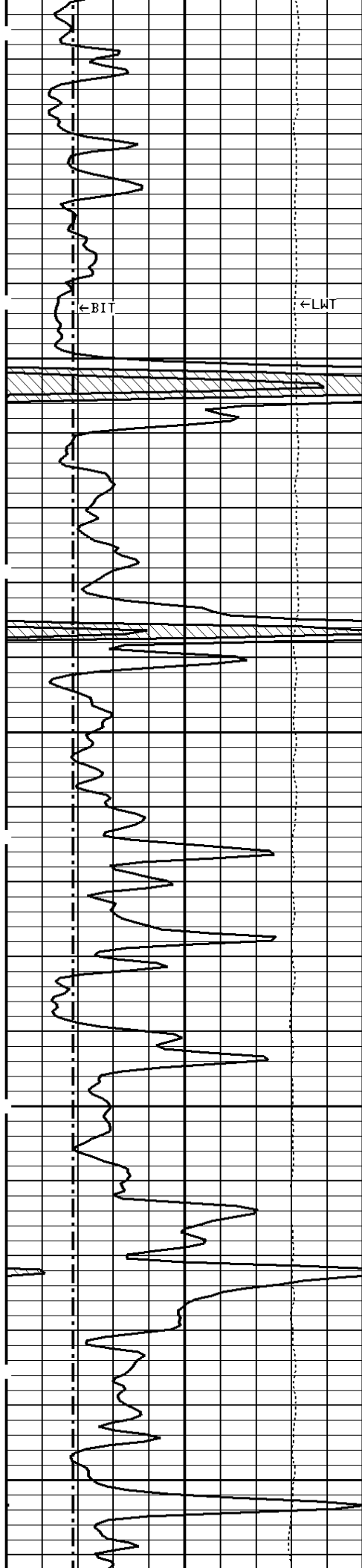




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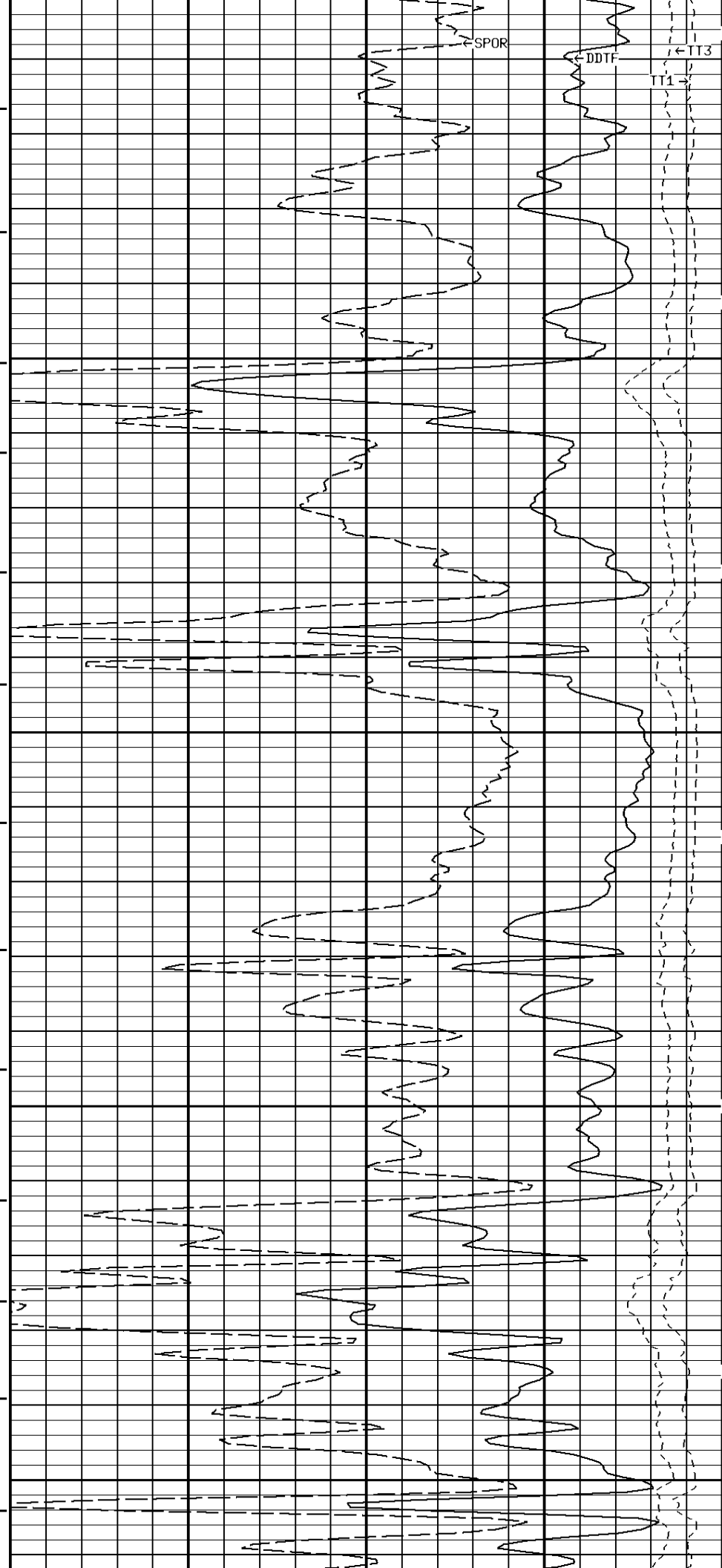
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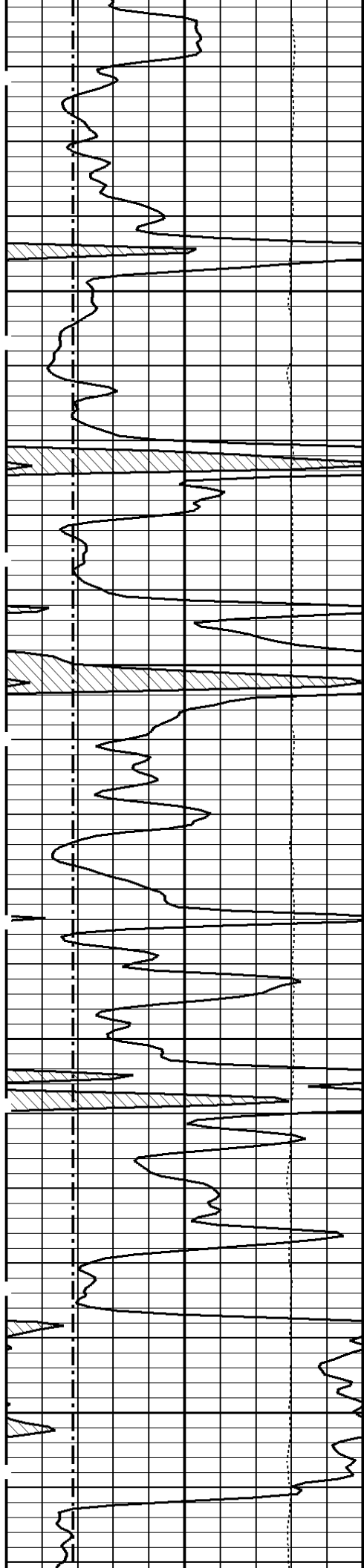




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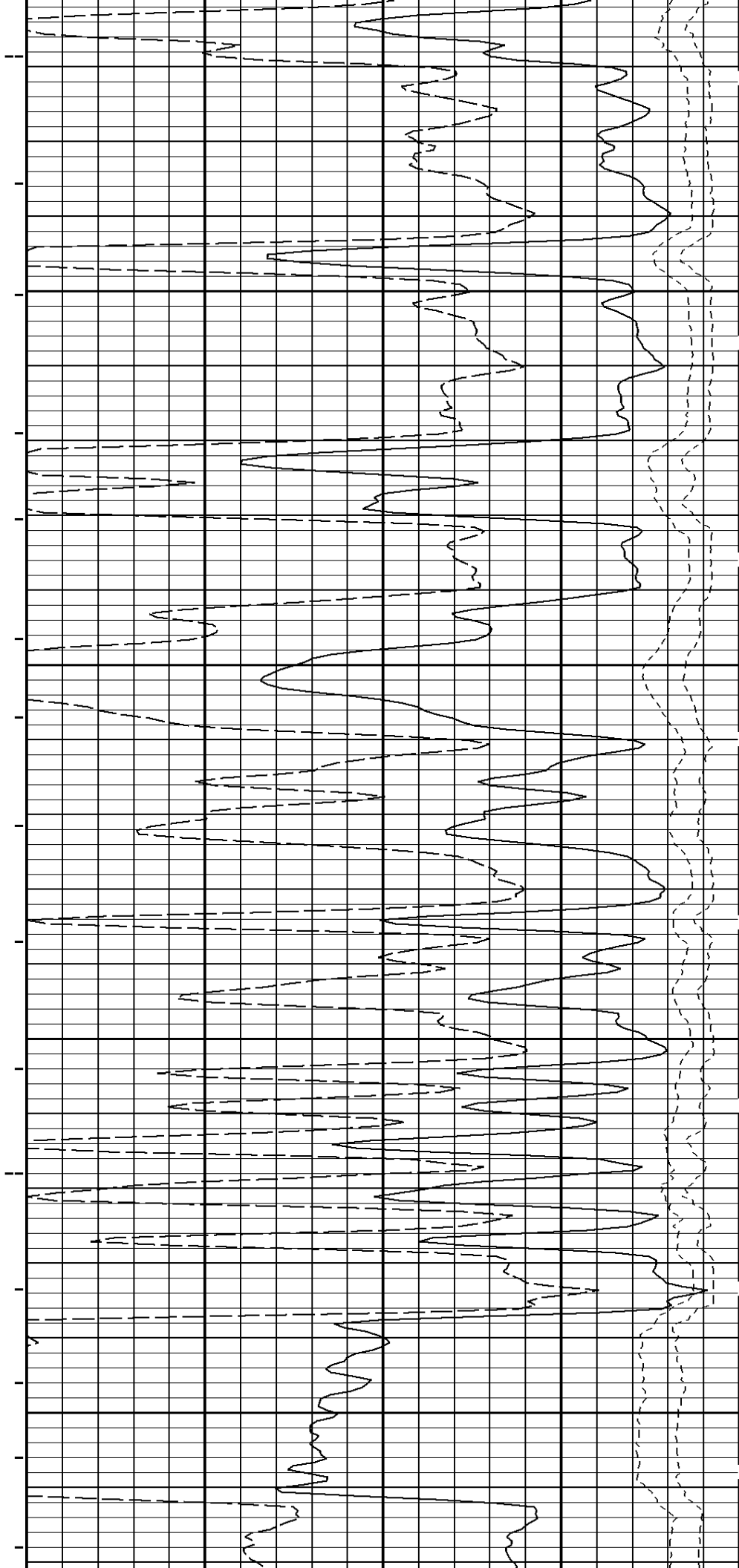
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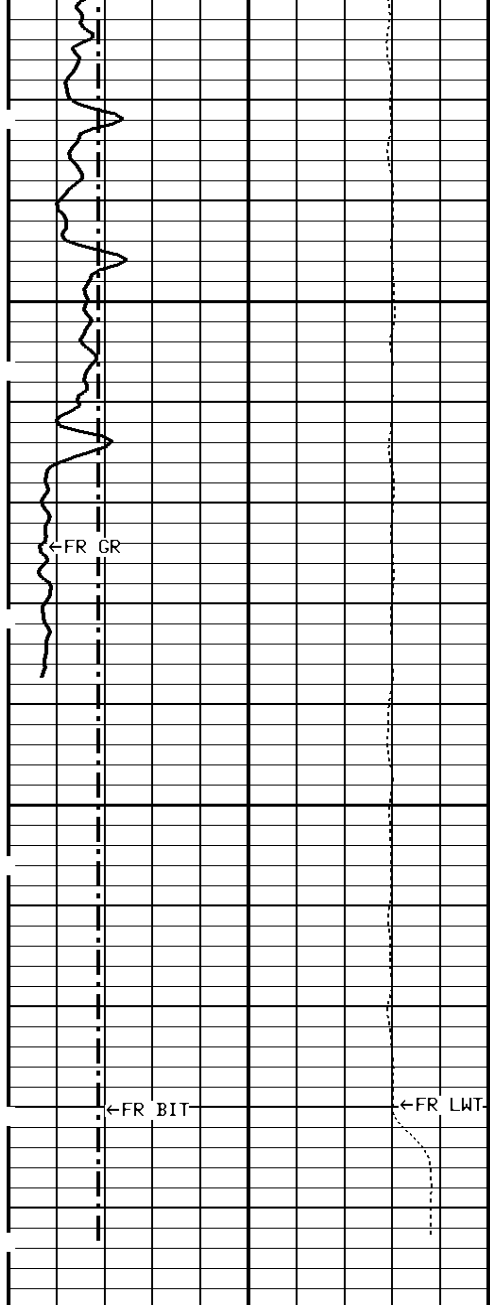




4600

4700



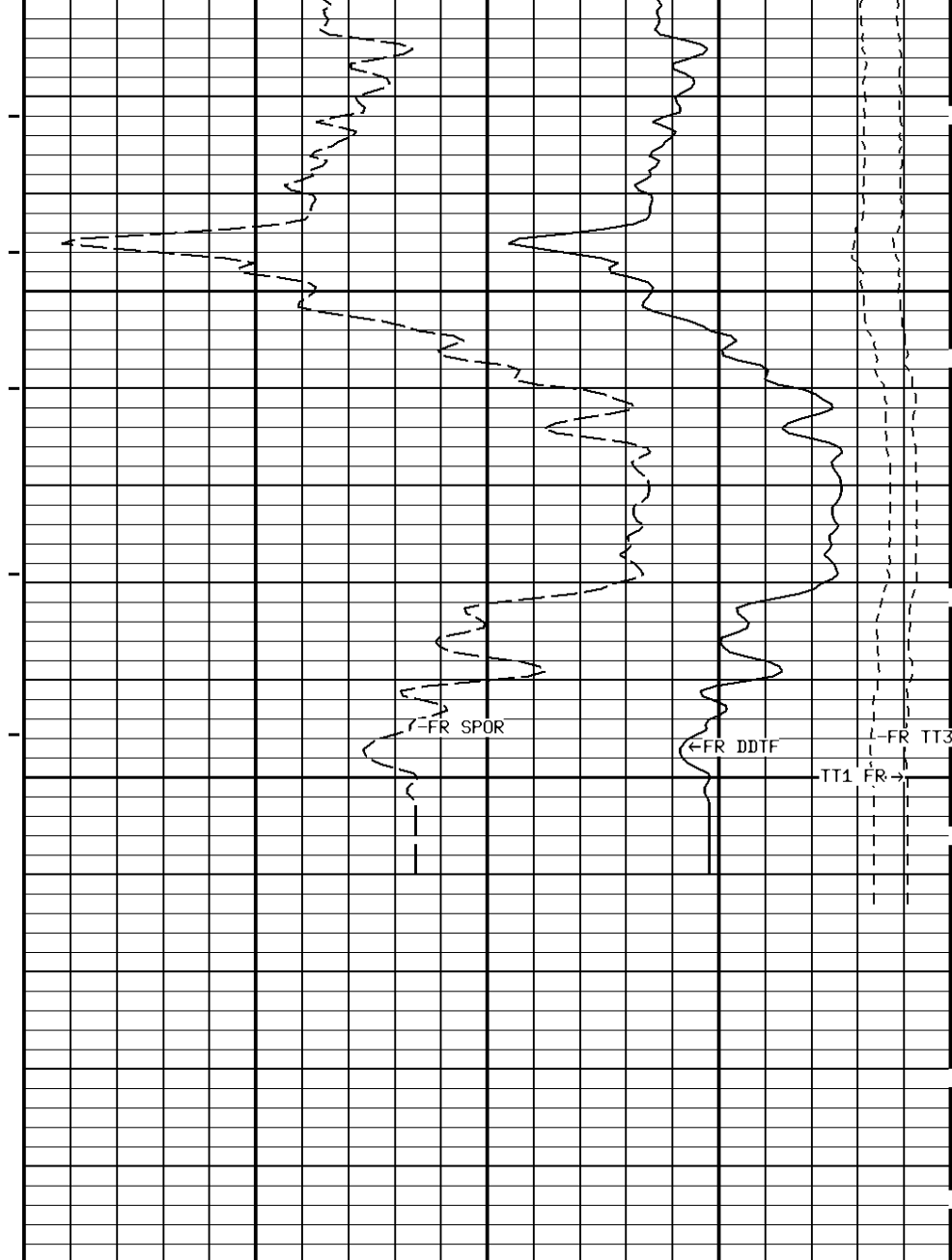


4800

4881

N.R. #105

1:240 MAIN SECTION



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

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

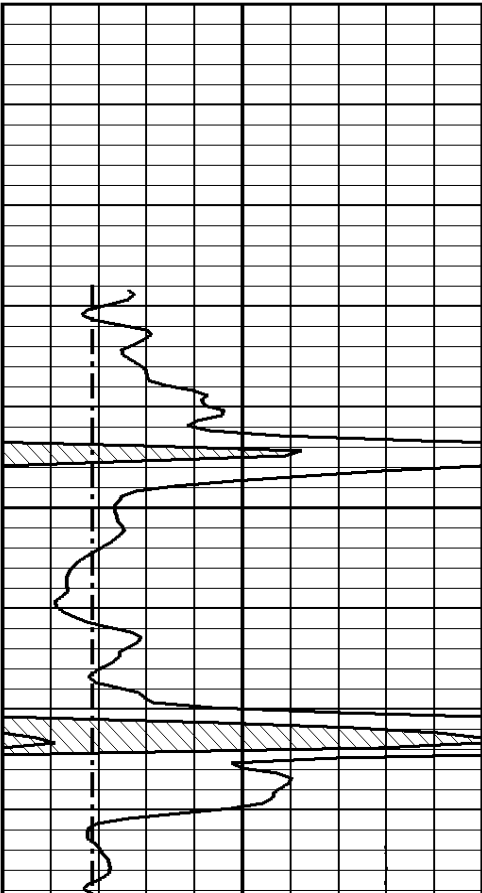
TT3 uSEC	
950	50

TT3 uSEC	
950	50
TT1 uSEC	
950	50

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

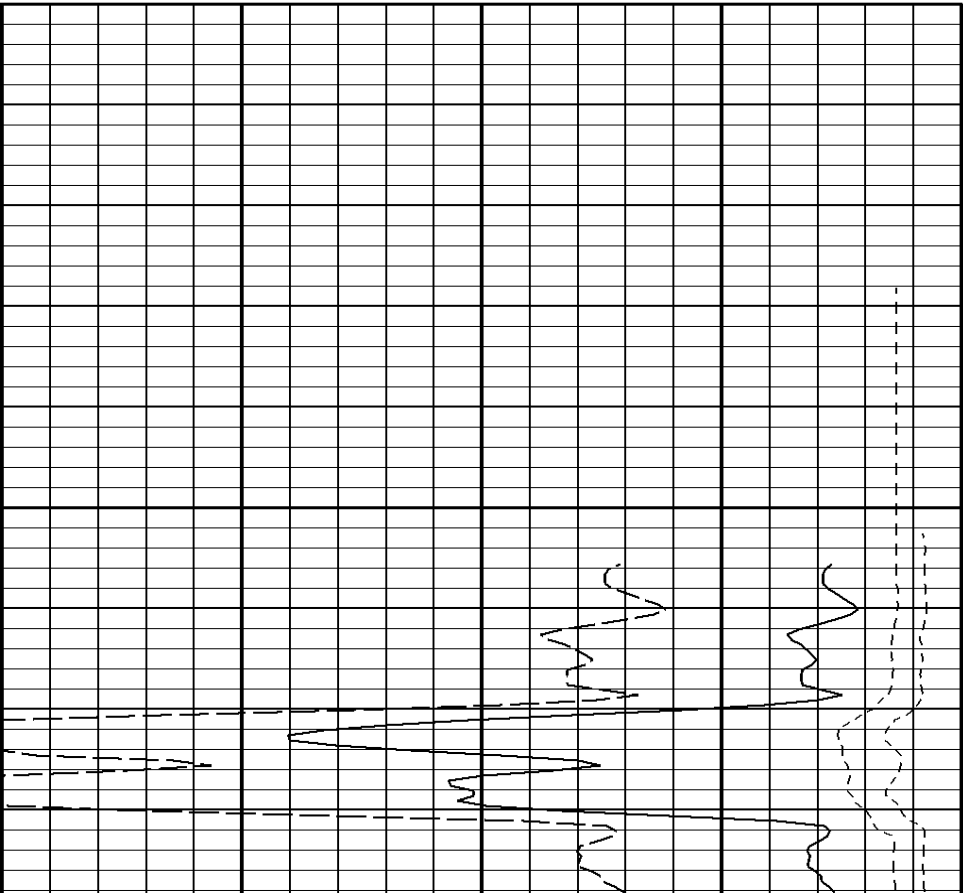
COMPENSATED SONIC TRAVEL TIME uSEC/FT	
240	140
140	40
SONIC POROSITY Percent	
30	-10

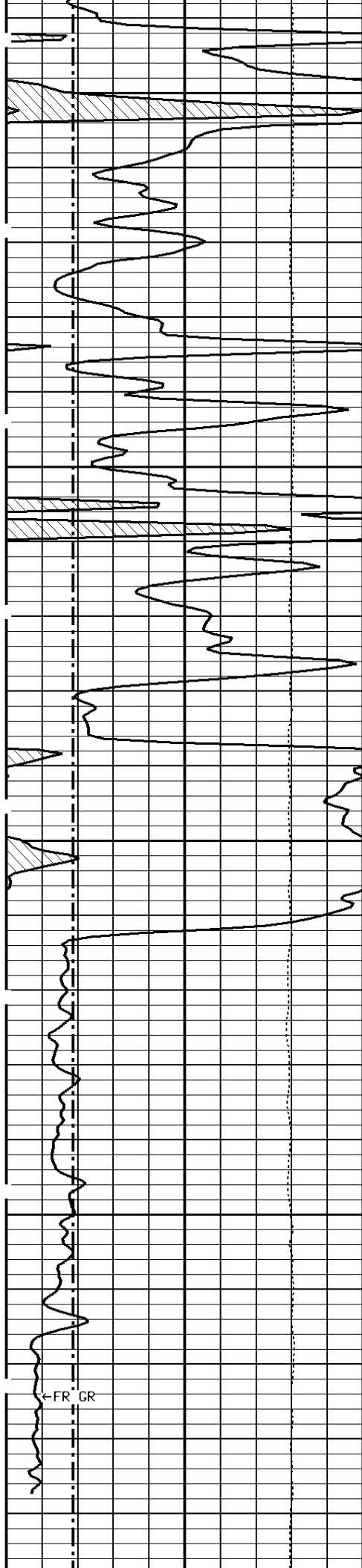
1:240 REPEAT SECTION



N.R. #109

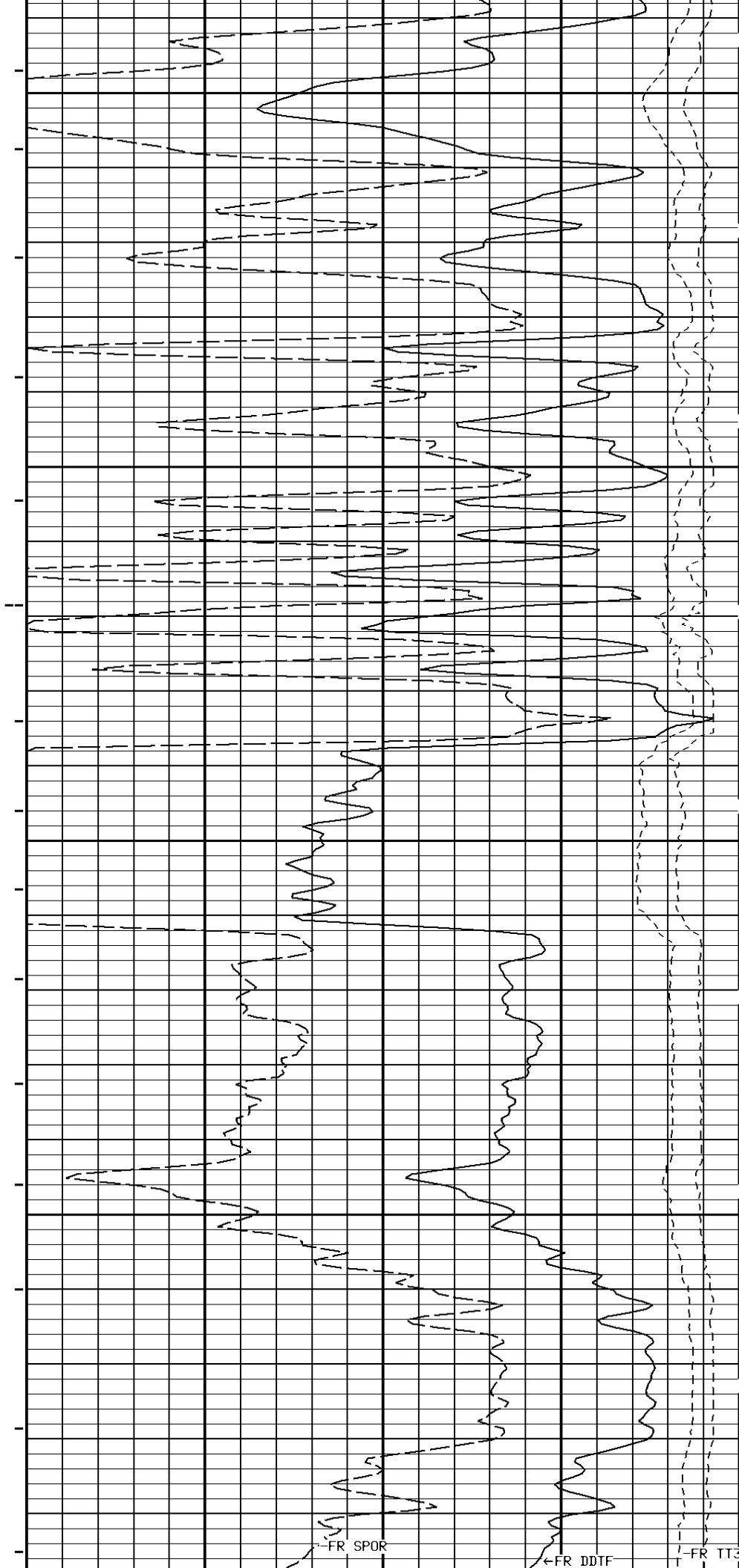
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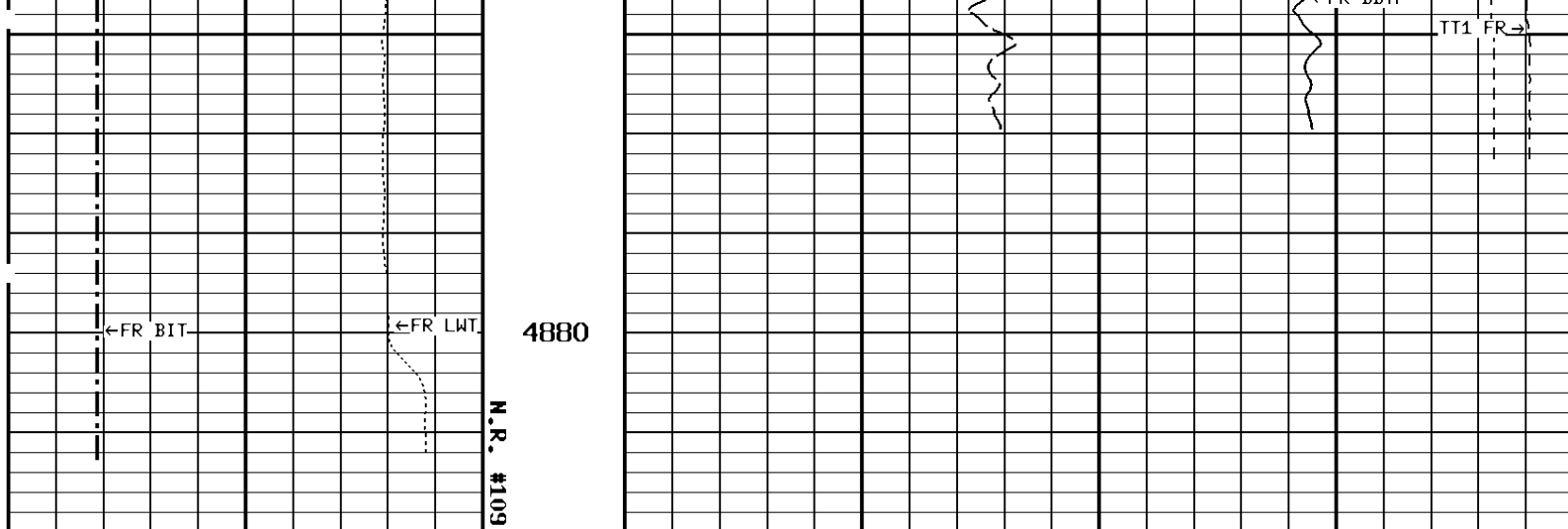
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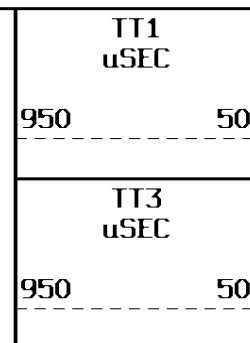
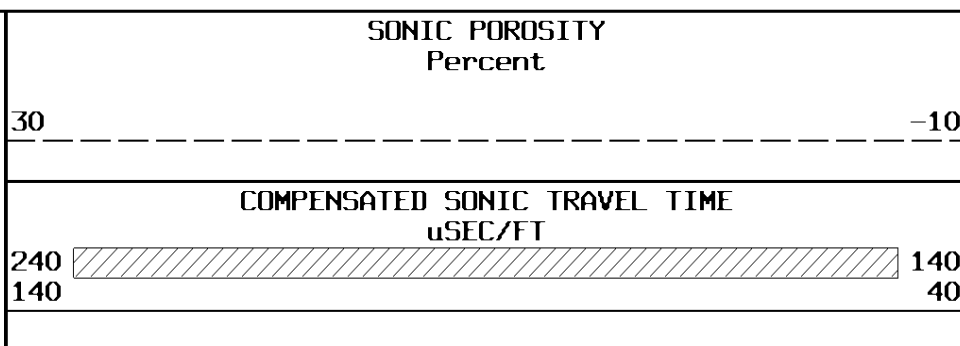
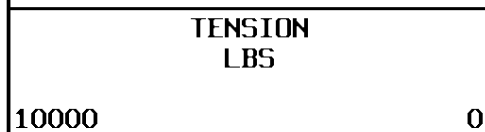
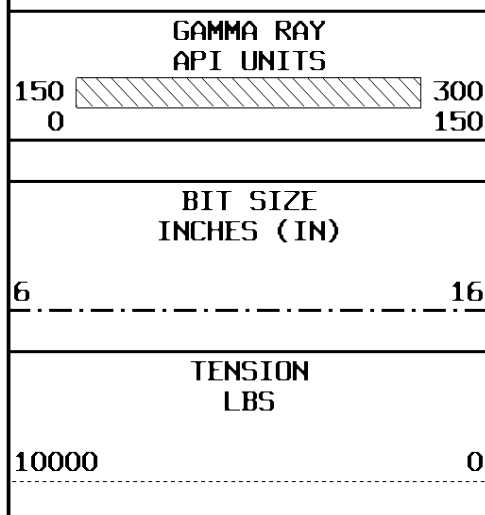
←FR SPOR

←FR DDTF

←FR TT3



1:240 REPEAT SECTION



* Calibration Summary *

Shop Calibration						
GRTB						
Performed : 12-Feb-2009			Time : 15:11			
Sensor Suite : GR-GR5			ID : GRT-BA-017			
	Measured		Units	Calibrated		Units
	Background	Jig		Jig		
GR	56	371	CPS	175		GRAPI

Shop Calibration					
CNT					
Performed : 05-JAN-2009			Time : 11:32		
Sensor Suite : CALI-BCN			ID : CNP-AA-106		
	Jig - Measured		Jig - Calibrated		Units
	Ring#1	Ring#2	Ring#1	Ring#2	

CL # 1	8.6	14.3	6.0	12.0	IN.
Shop Calibration					
CST					
Performed : 07-OCT-2002			Time : 14:28		
Sensor Suite : SON-ANA			ID : CST-AB-003		
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