



SONIC LOG

Company MAI OIL OPERATIONS, INC.
Well HOLMES #4
Field BARRY EAST
County ROOKS State KANSAS

Location: API # : 15-163-24414-0000
SE-NW-NW-NW
390' FNL & 410' FWL
SEC 5 TWP 9S RGE 18W
Permanent Datum GROUND LEVEL Elevation 2062
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/ML
Elevation
K.B. 2071
D.F. 2069
G.L. 2062

Date	09/22/20		
Run Number	TWO		
Depth Driller	3596		
Depth Logger	3596		
Bottom Logged Interval	3586		
Top Log Interval	00		
Casing Driller	8 5/8" @ 215		
Casing Logger	215		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.4/48		
pH / Fluid Loss	8.0/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.95 @ 72F		
Rmf @ Meas. Temp	.71 @ 72F		
Rmc @ Meas. Temp	1.14 @ 72F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.61 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	112F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	JAMES MUSGROVE		

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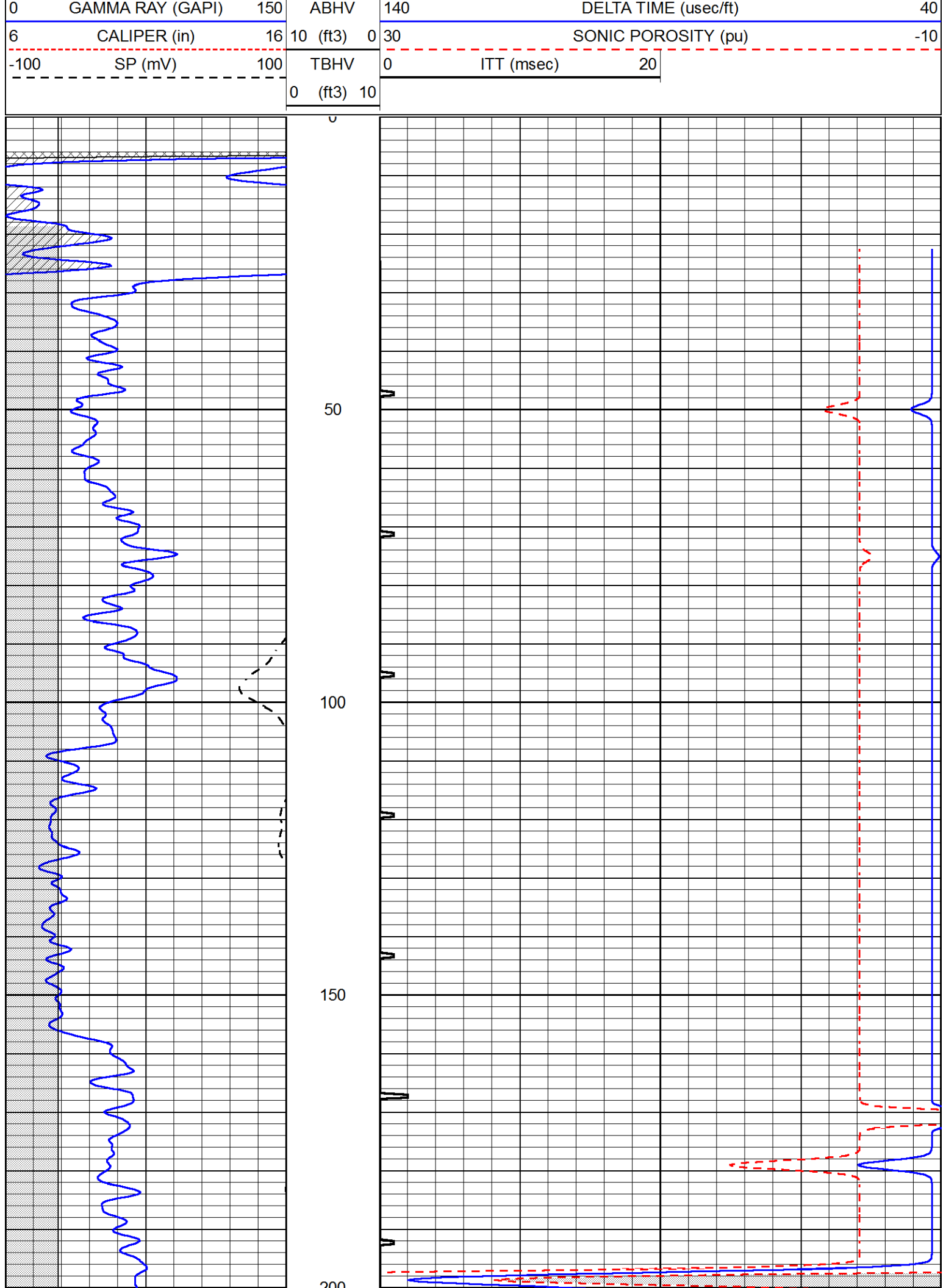
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

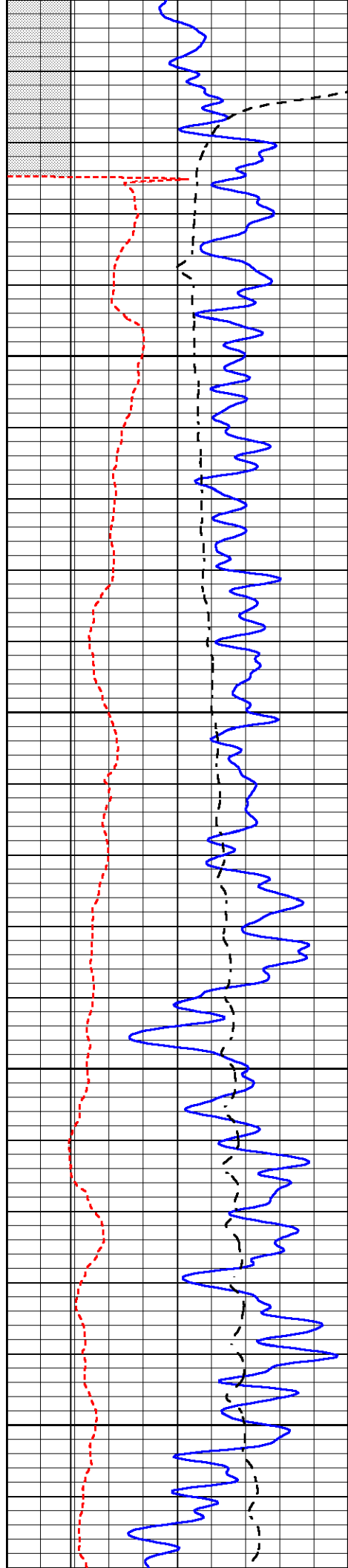
Comments

THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

DIRECTIONS: PLAINVILLE NORTH TO S RD., WEST TO 14 RD.,
1/4 SOUTH, EAST INTO.

Database File 5028ddn.db
Dataset Pathname pass1LAS
Presentation Format _slt
Dataset Creation Tue Sep 22 09:34:57 2020
Charted by Depth in Feet scaled 1:240





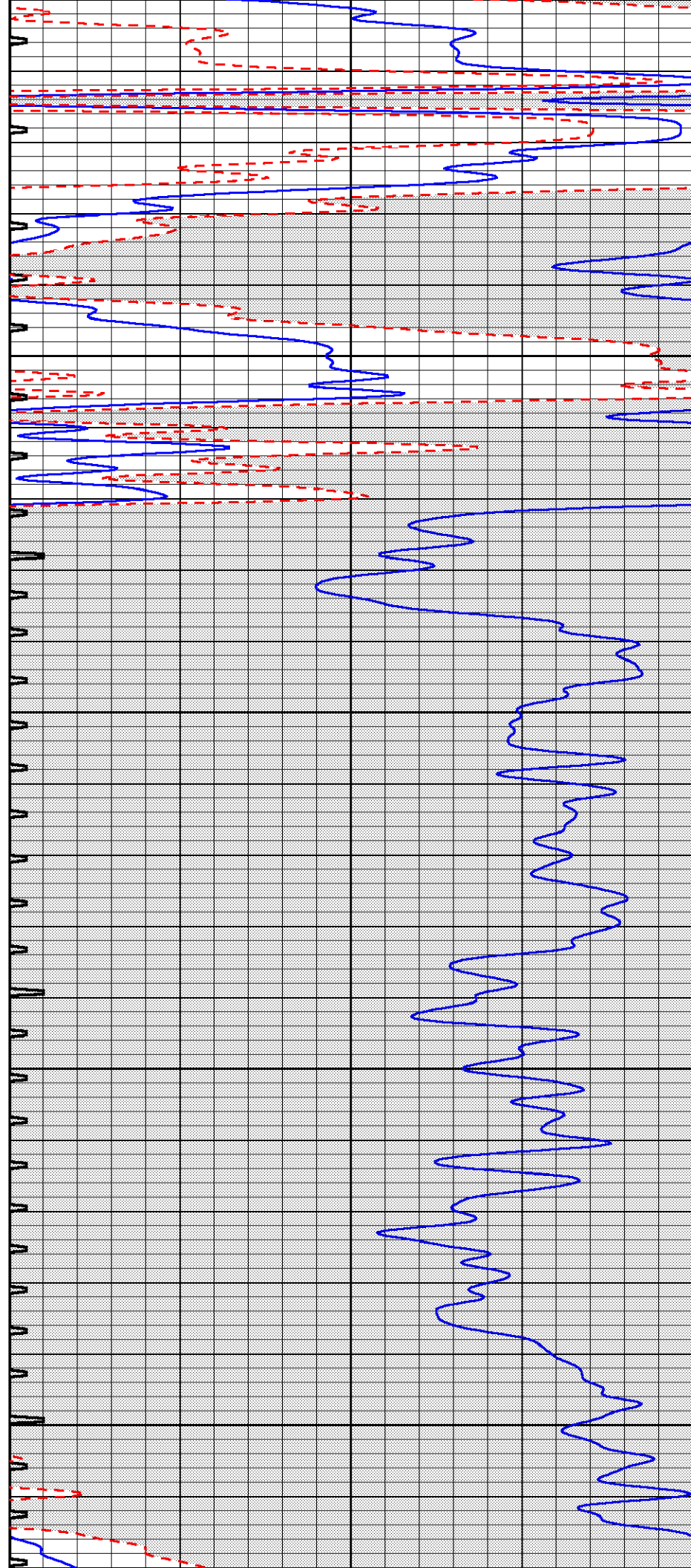
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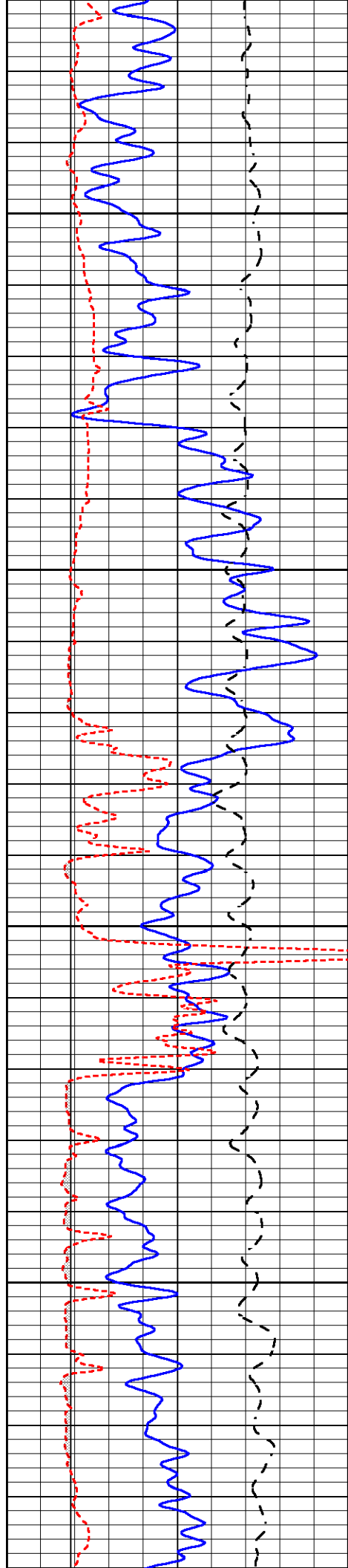
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300

350

400



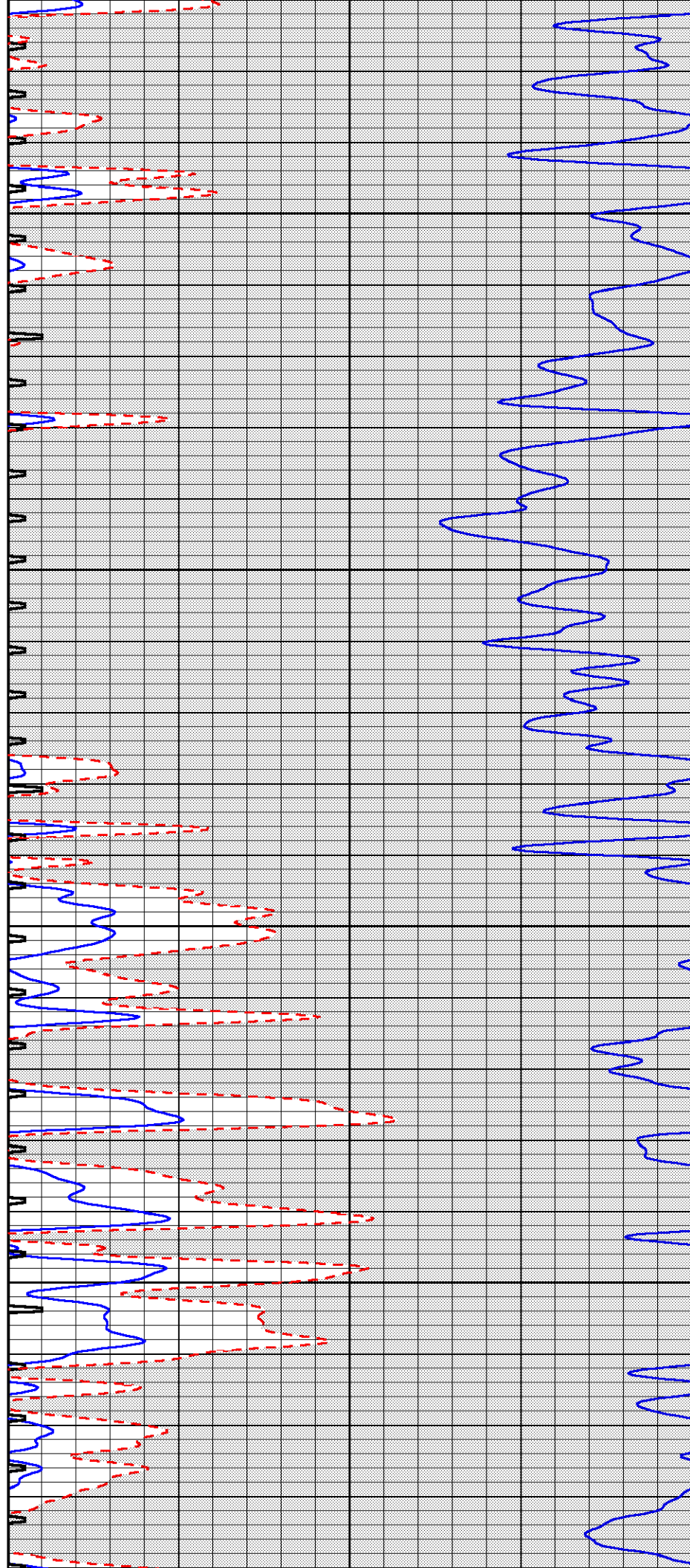


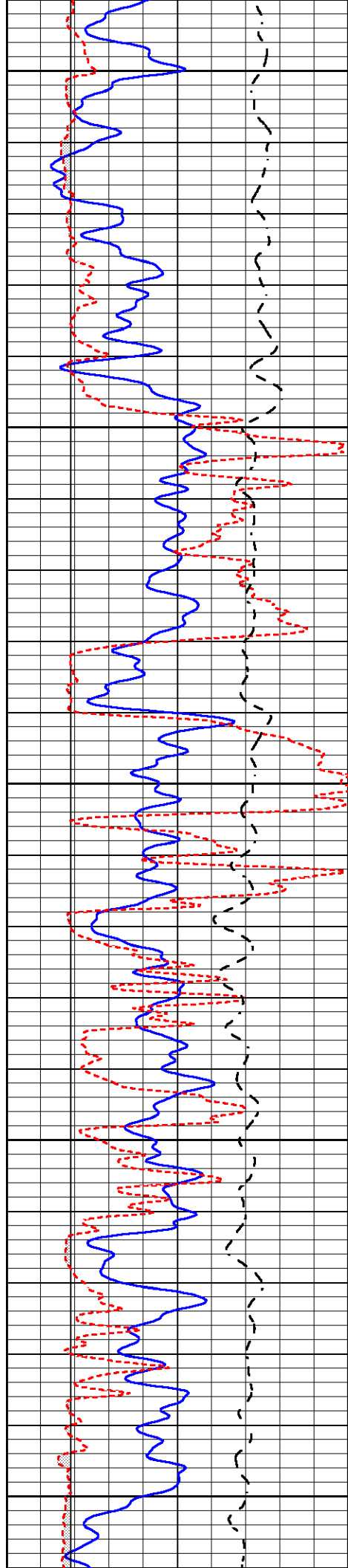
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500

550

600





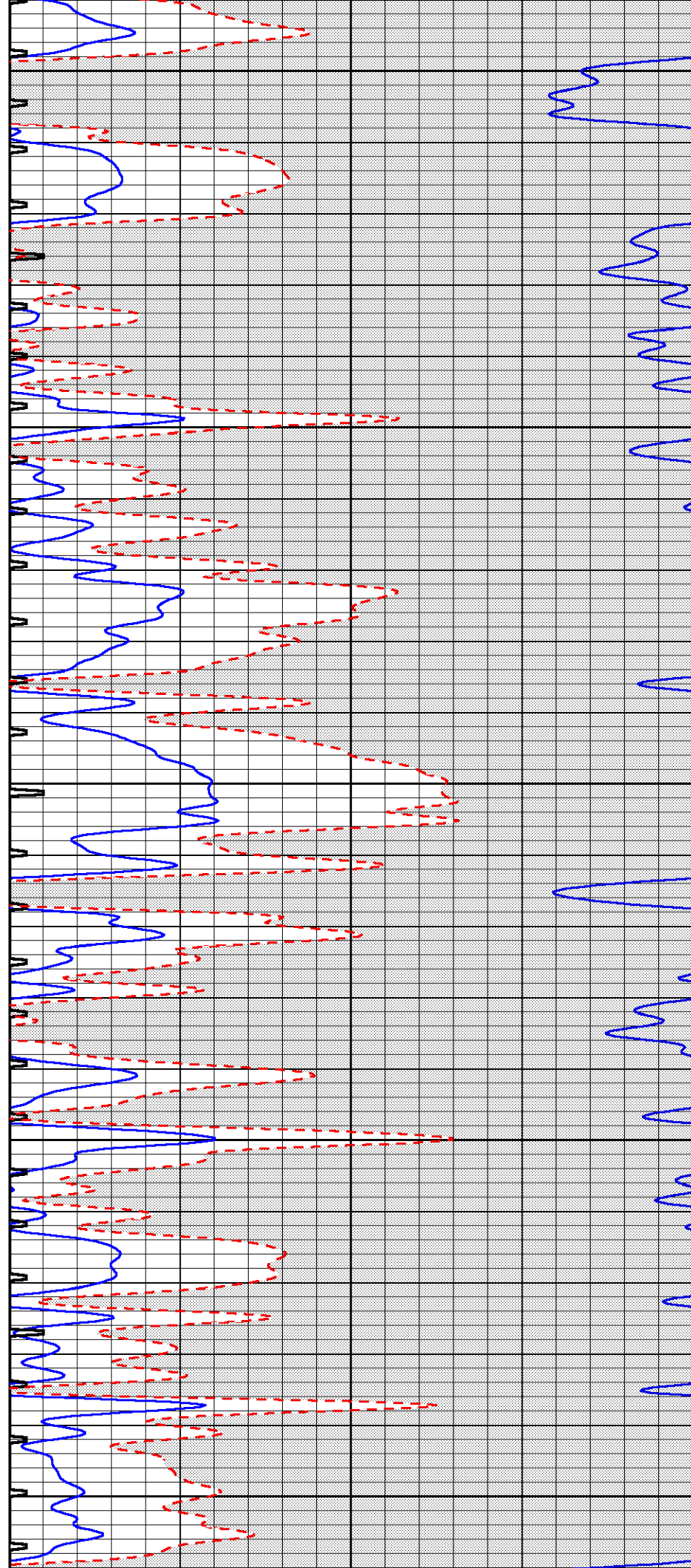
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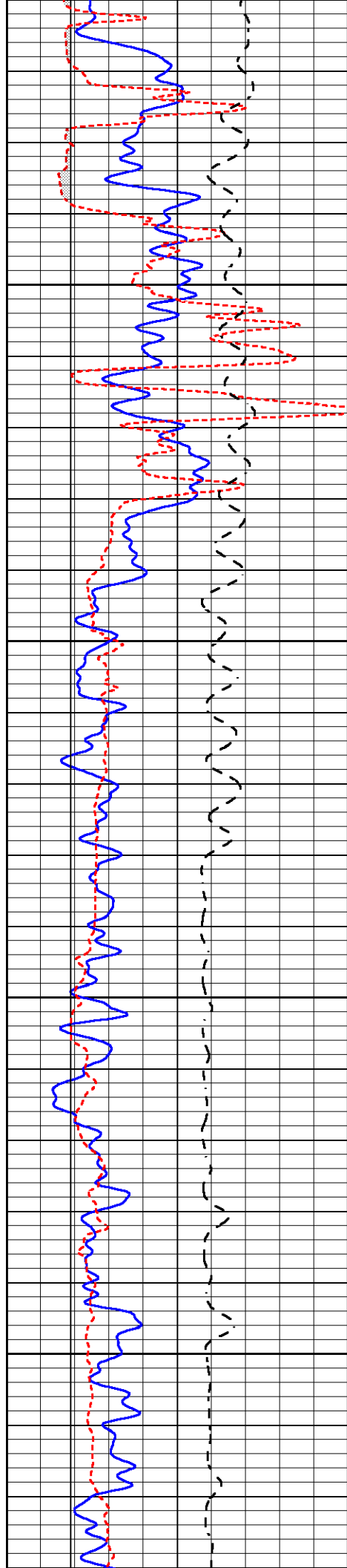
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750

800

850



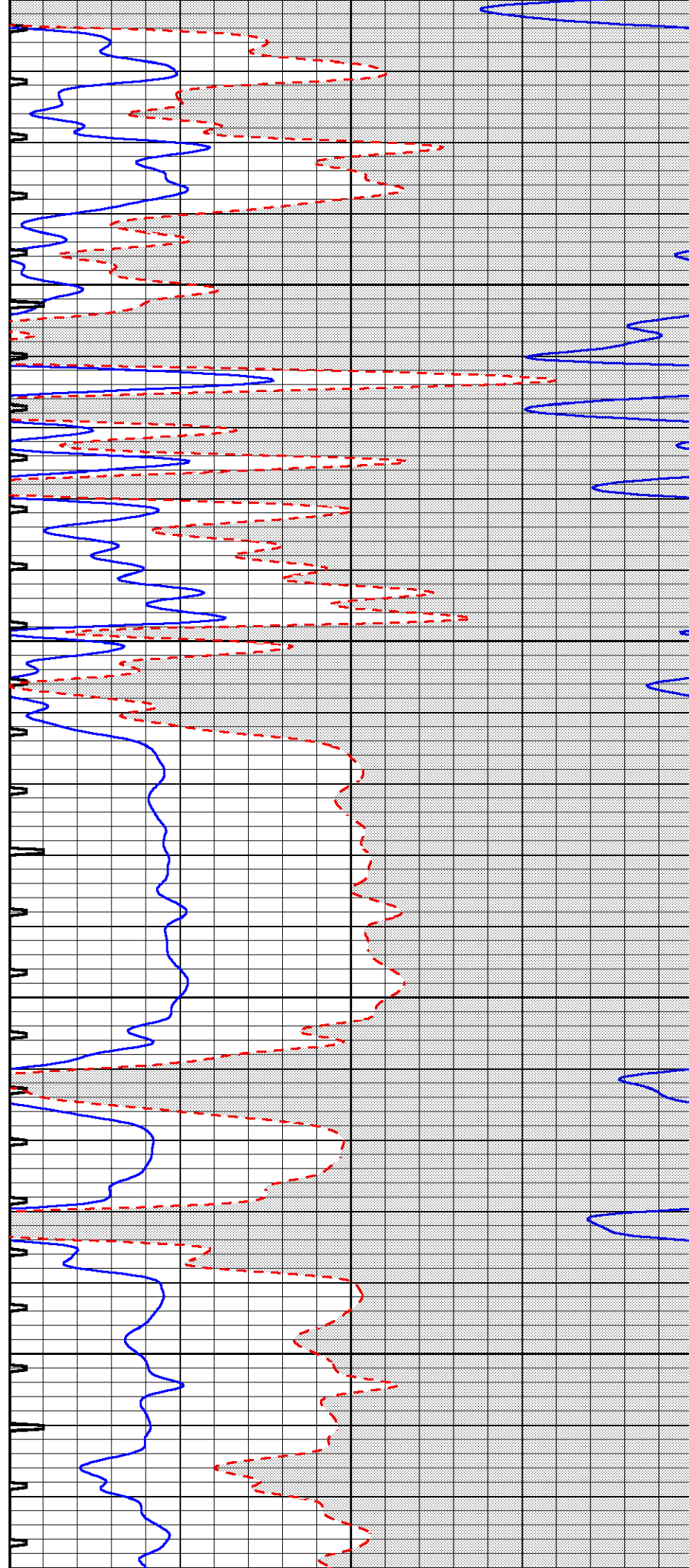


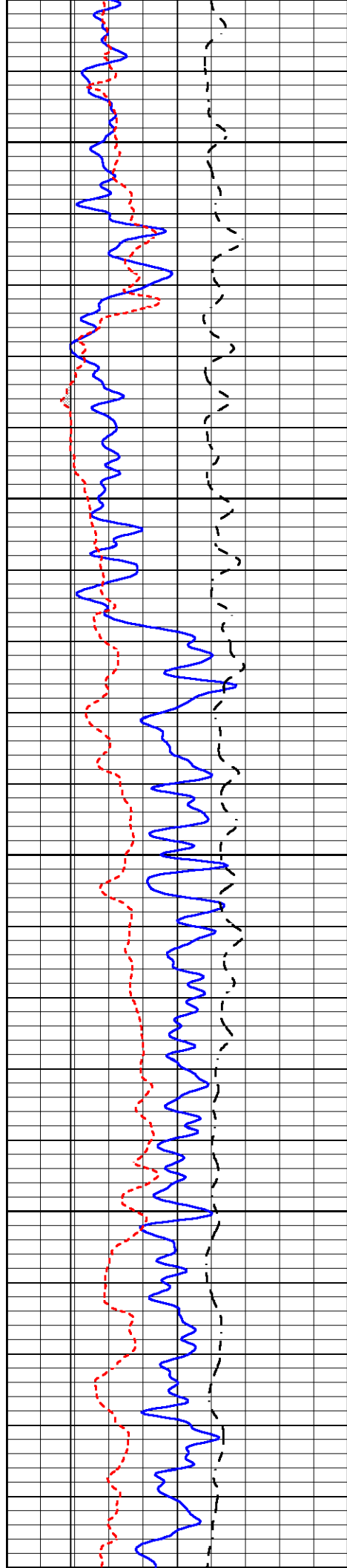
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950

1000

1050





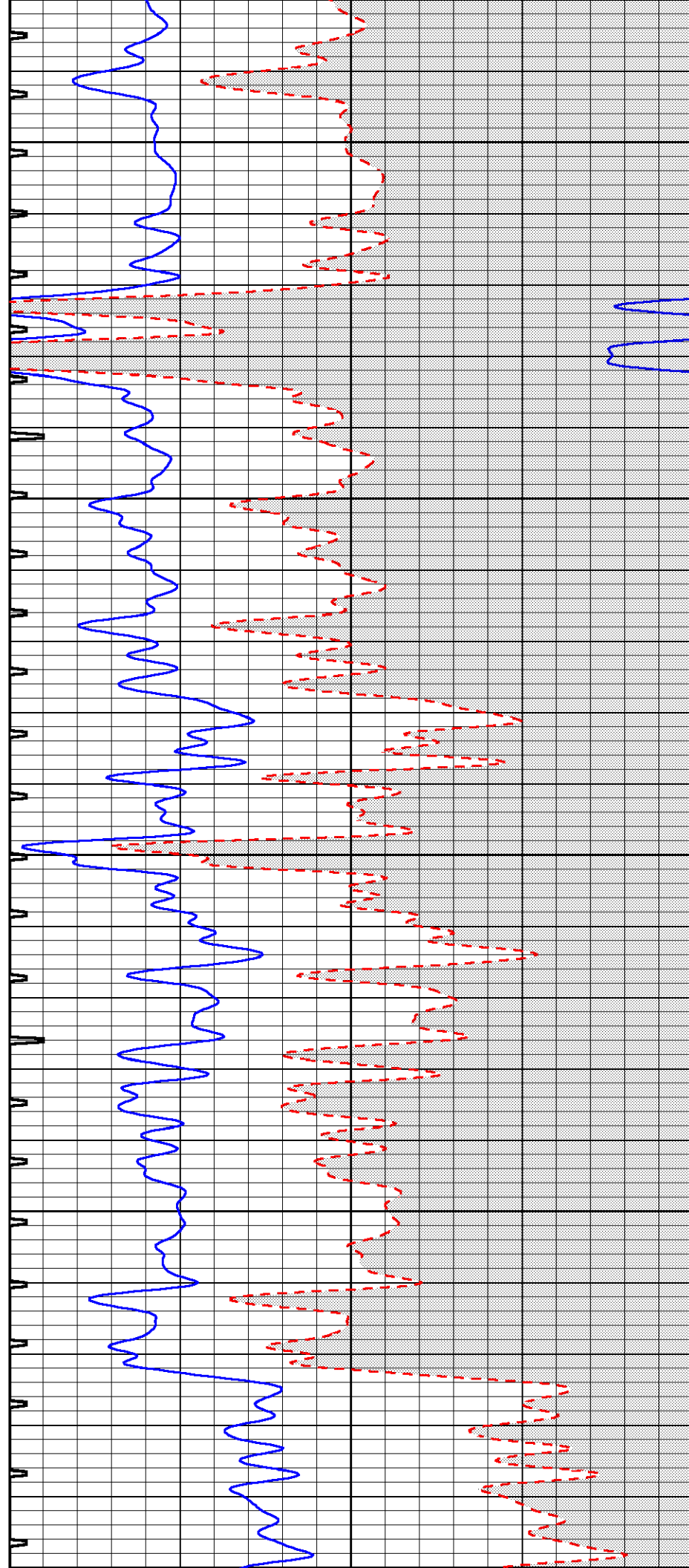
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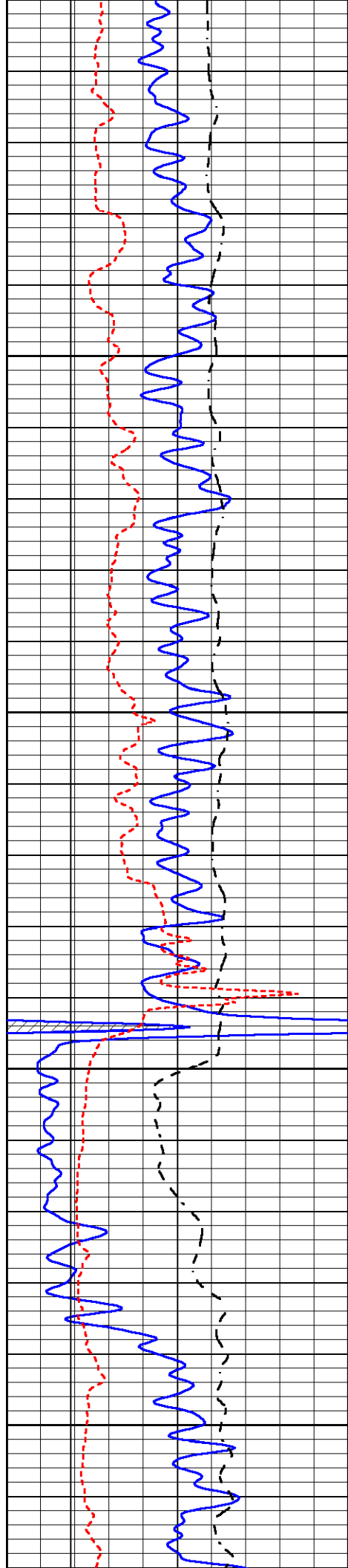
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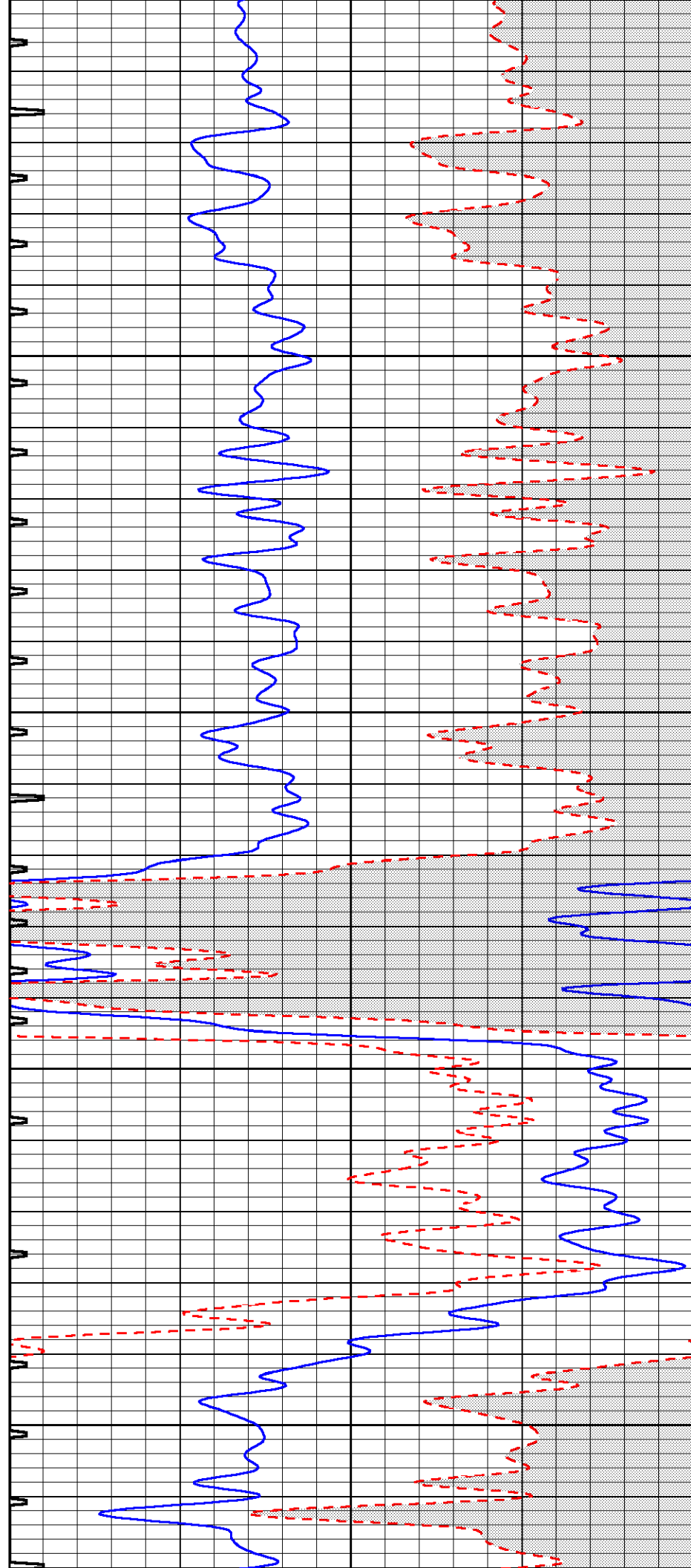
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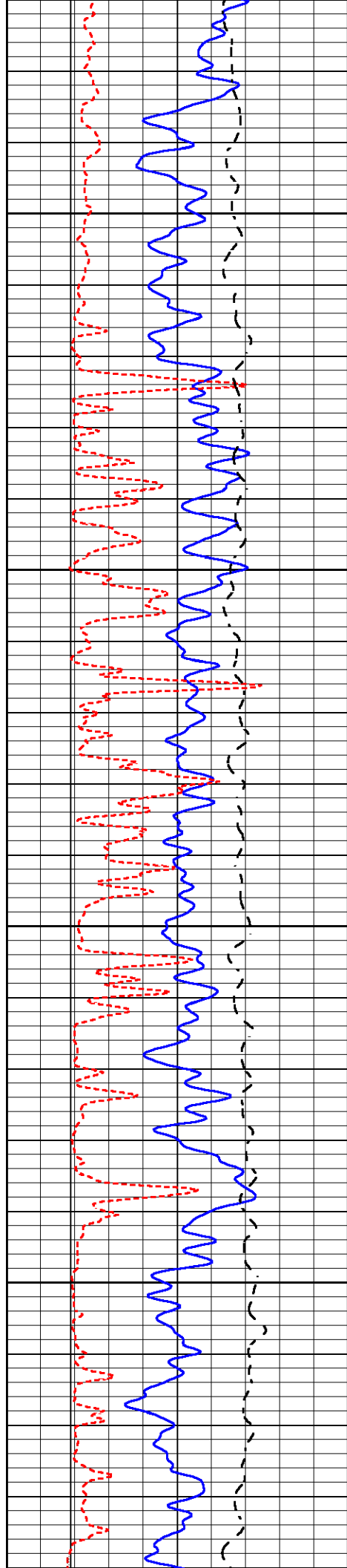
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1500
1350
1400
1450
1500



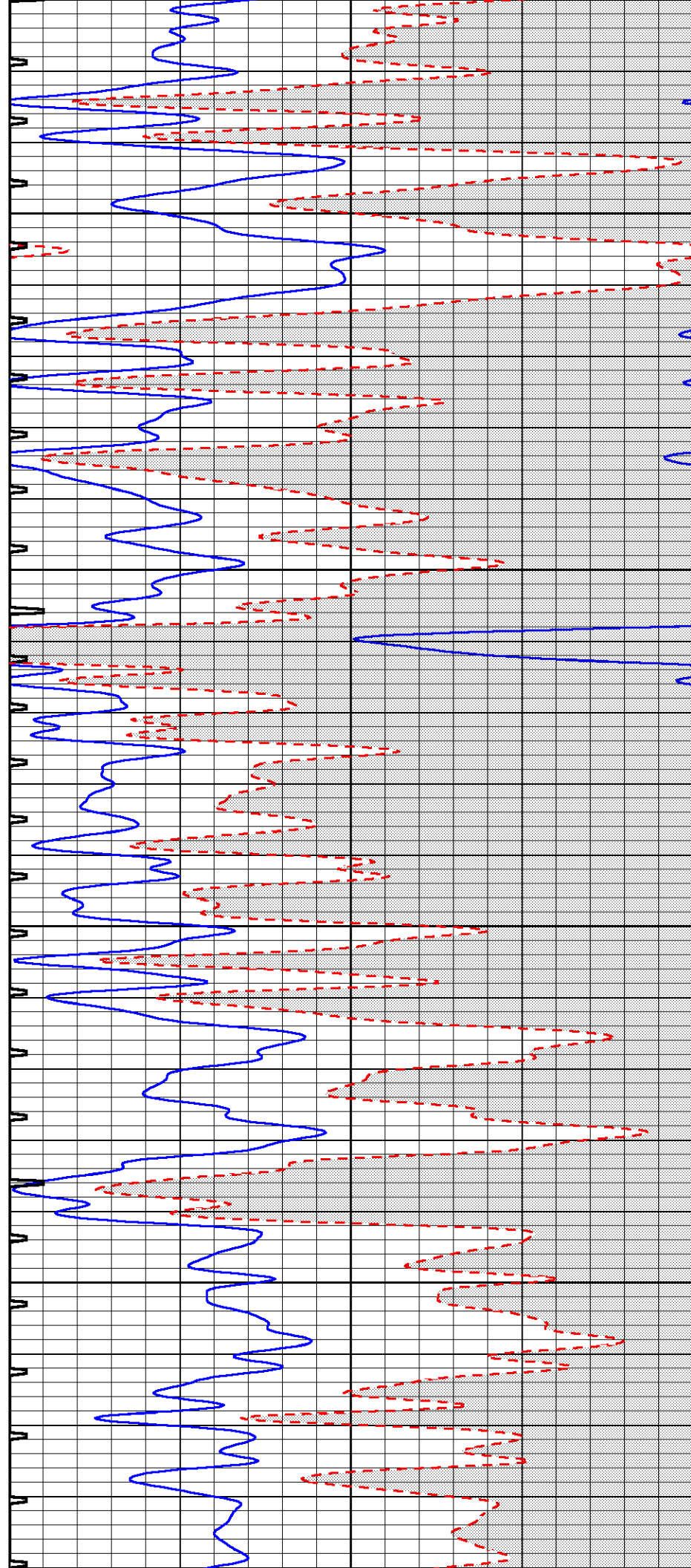


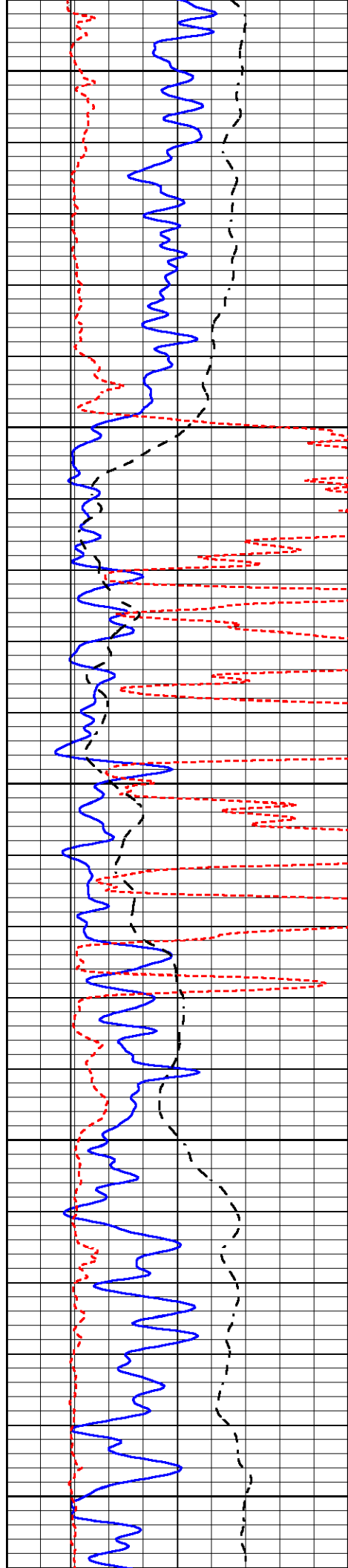
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1700





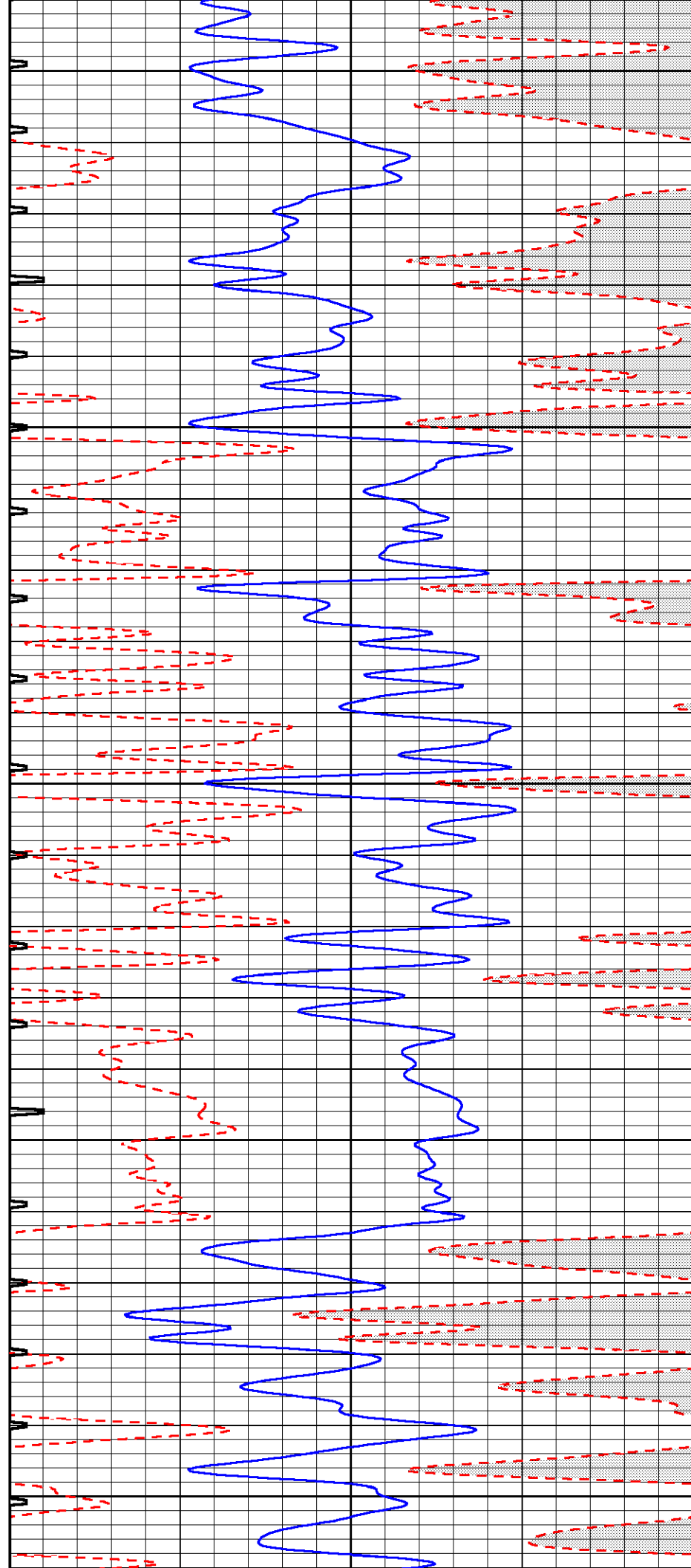
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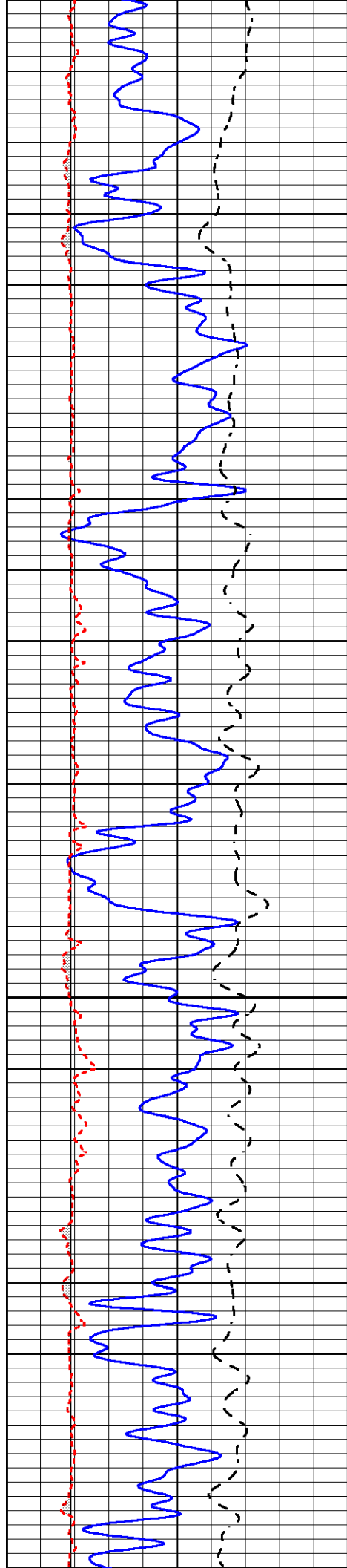
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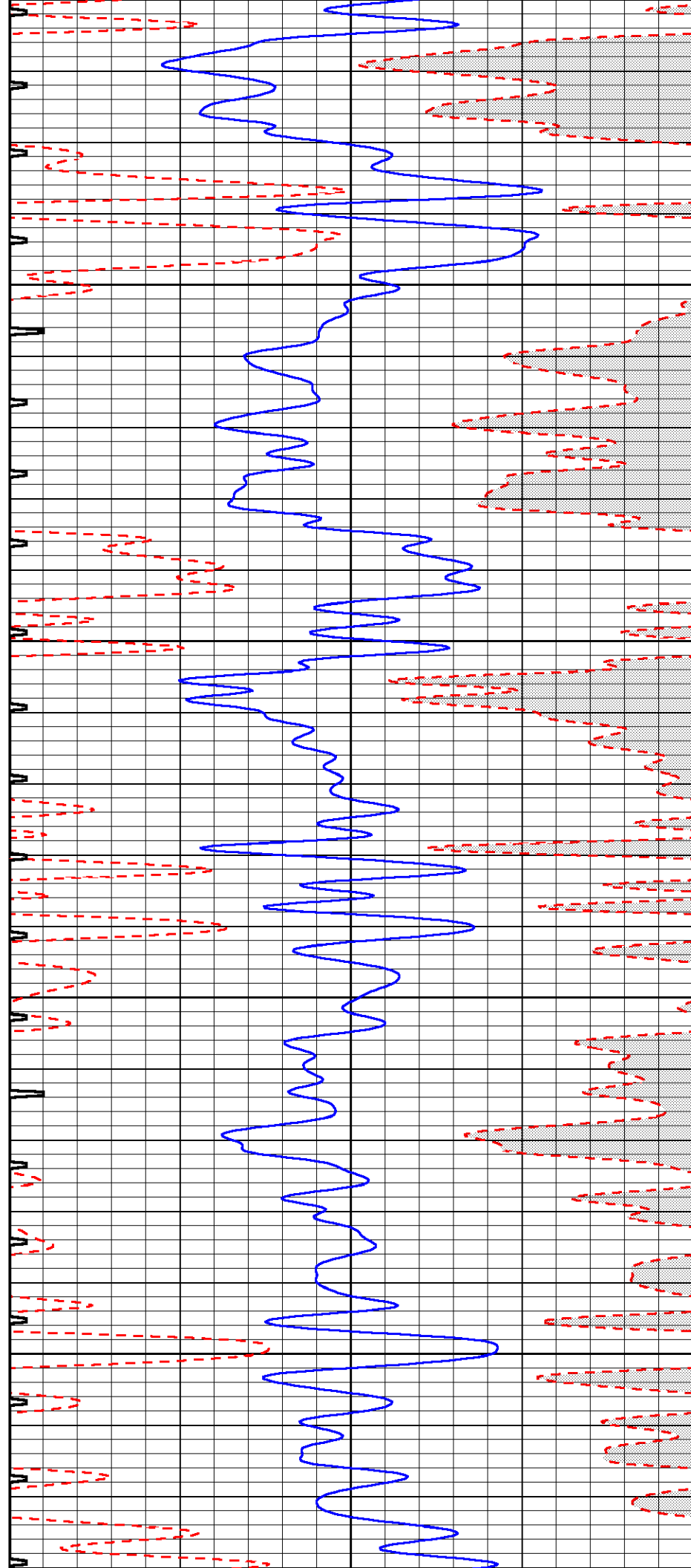


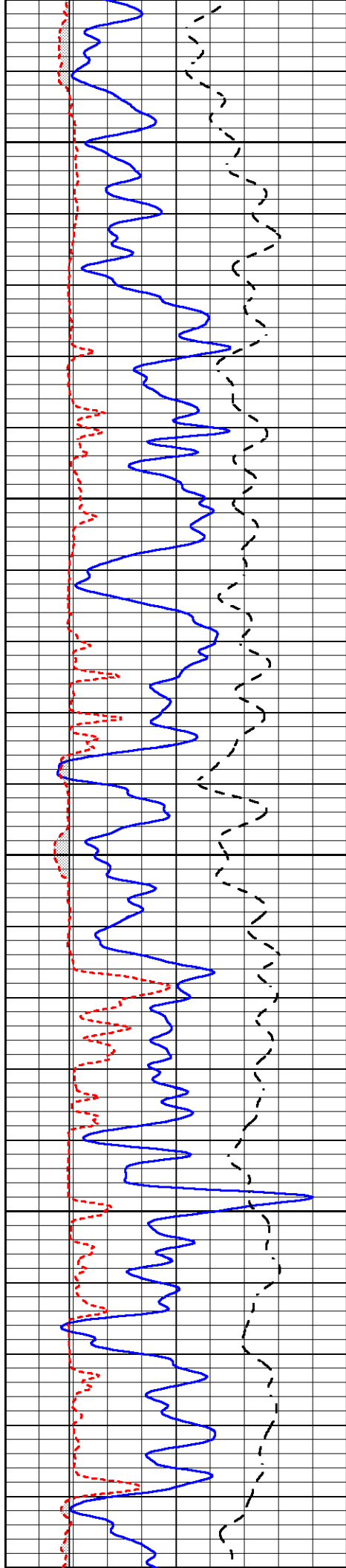
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2150





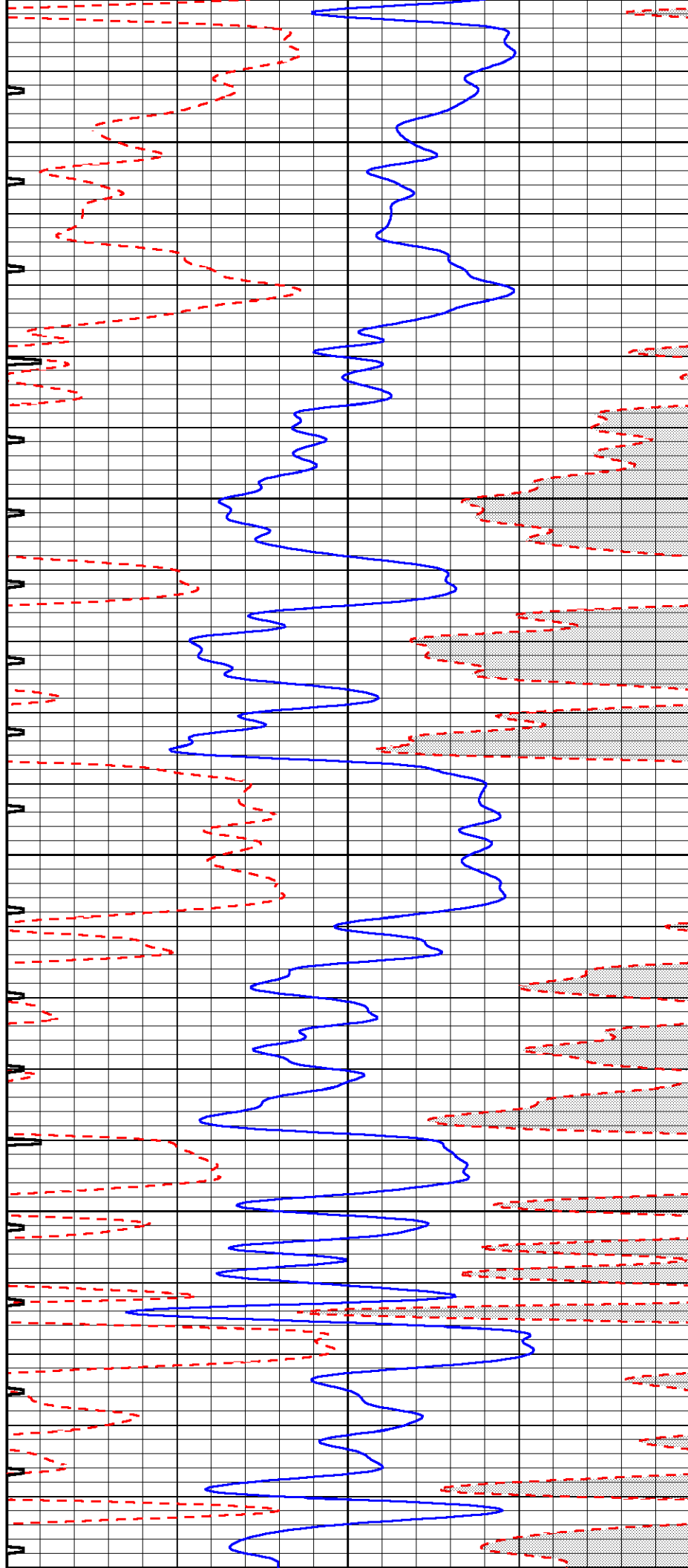
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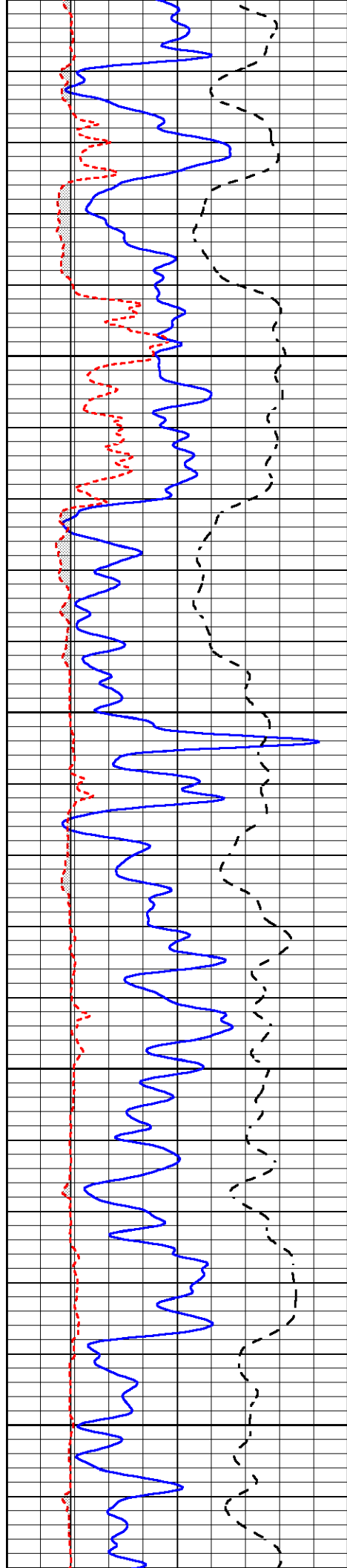
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2350

2400





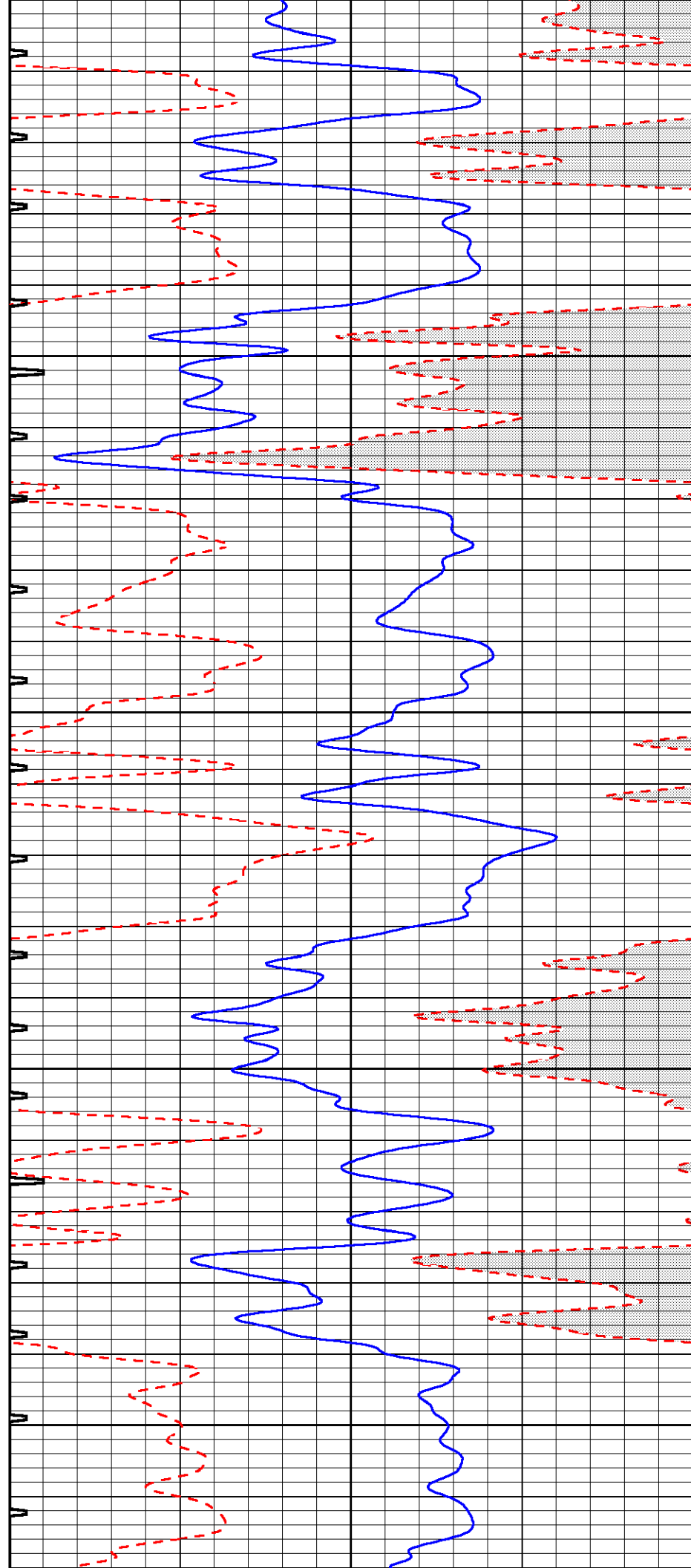
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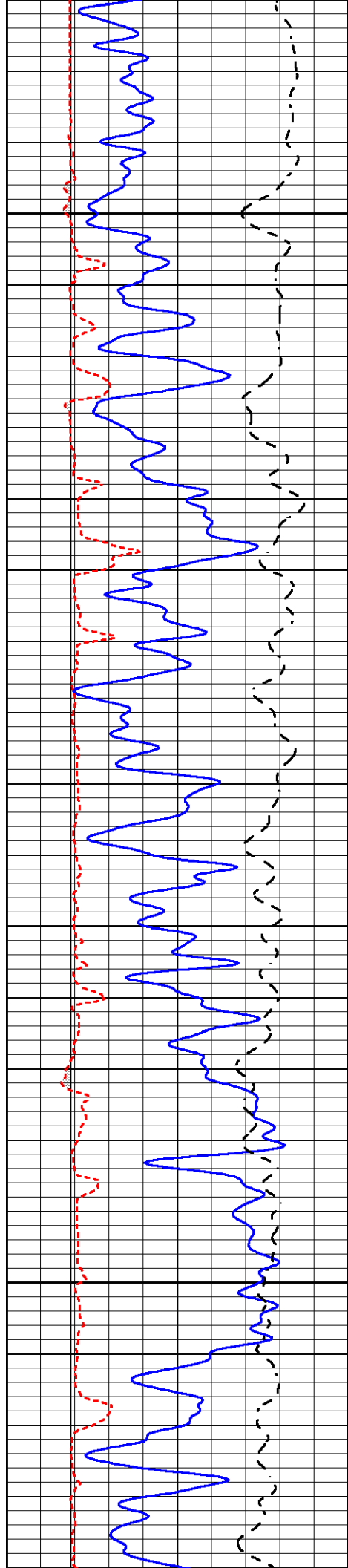
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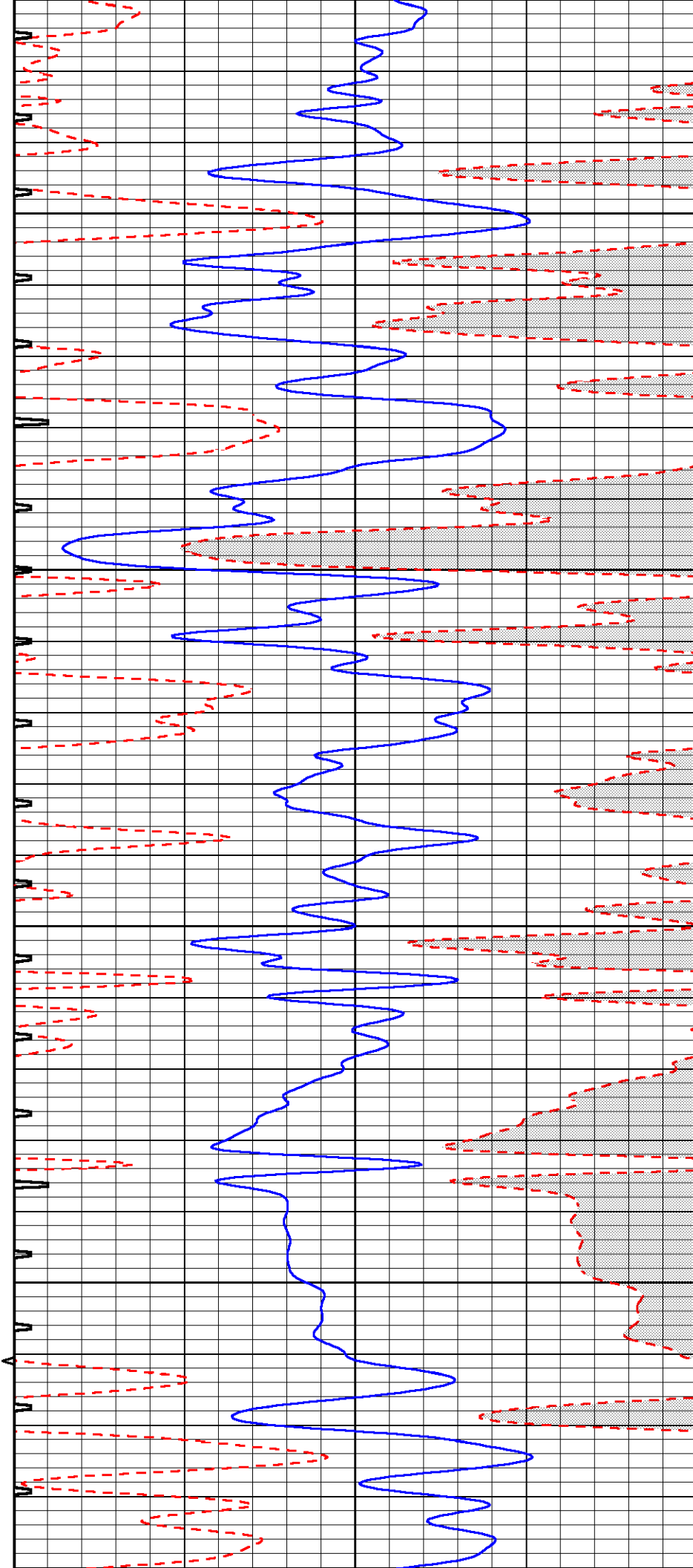


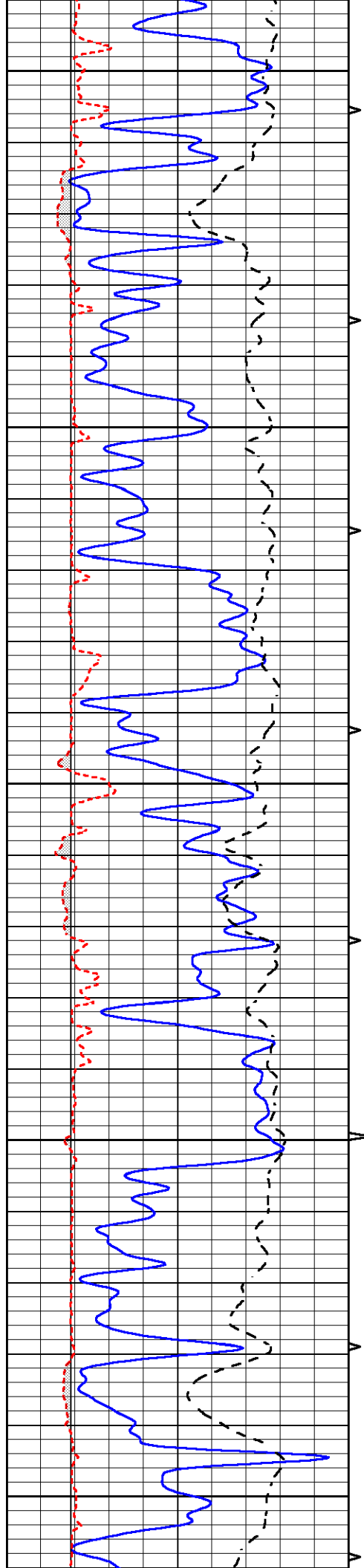
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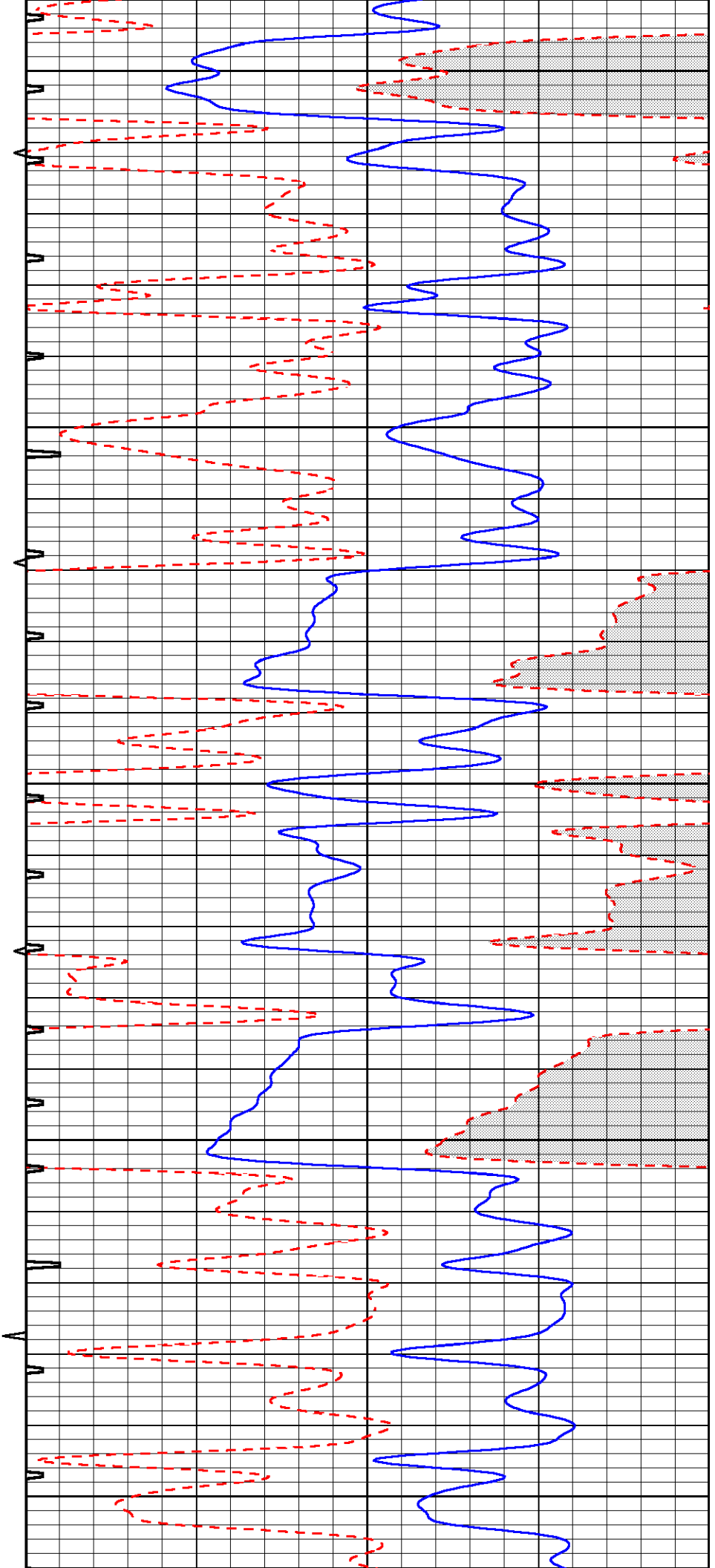
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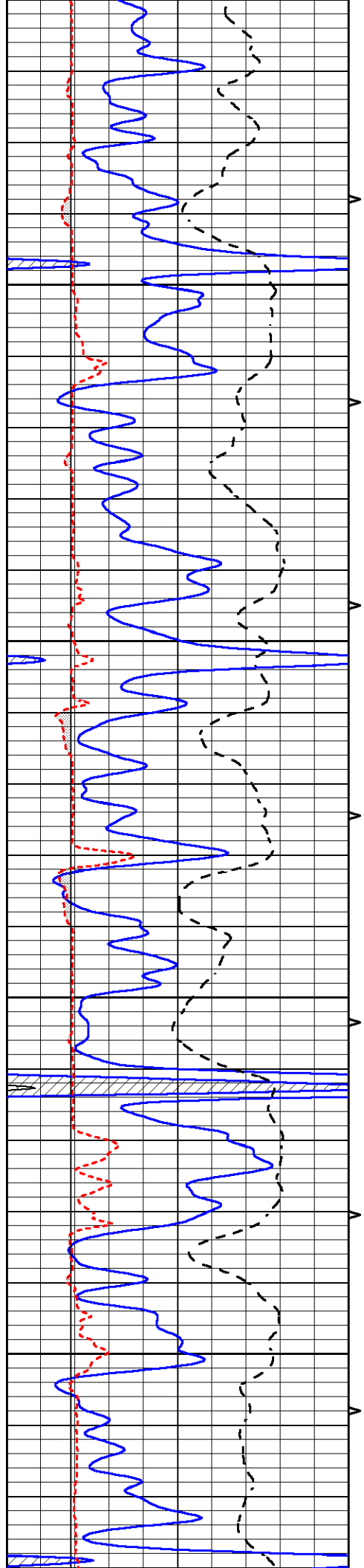
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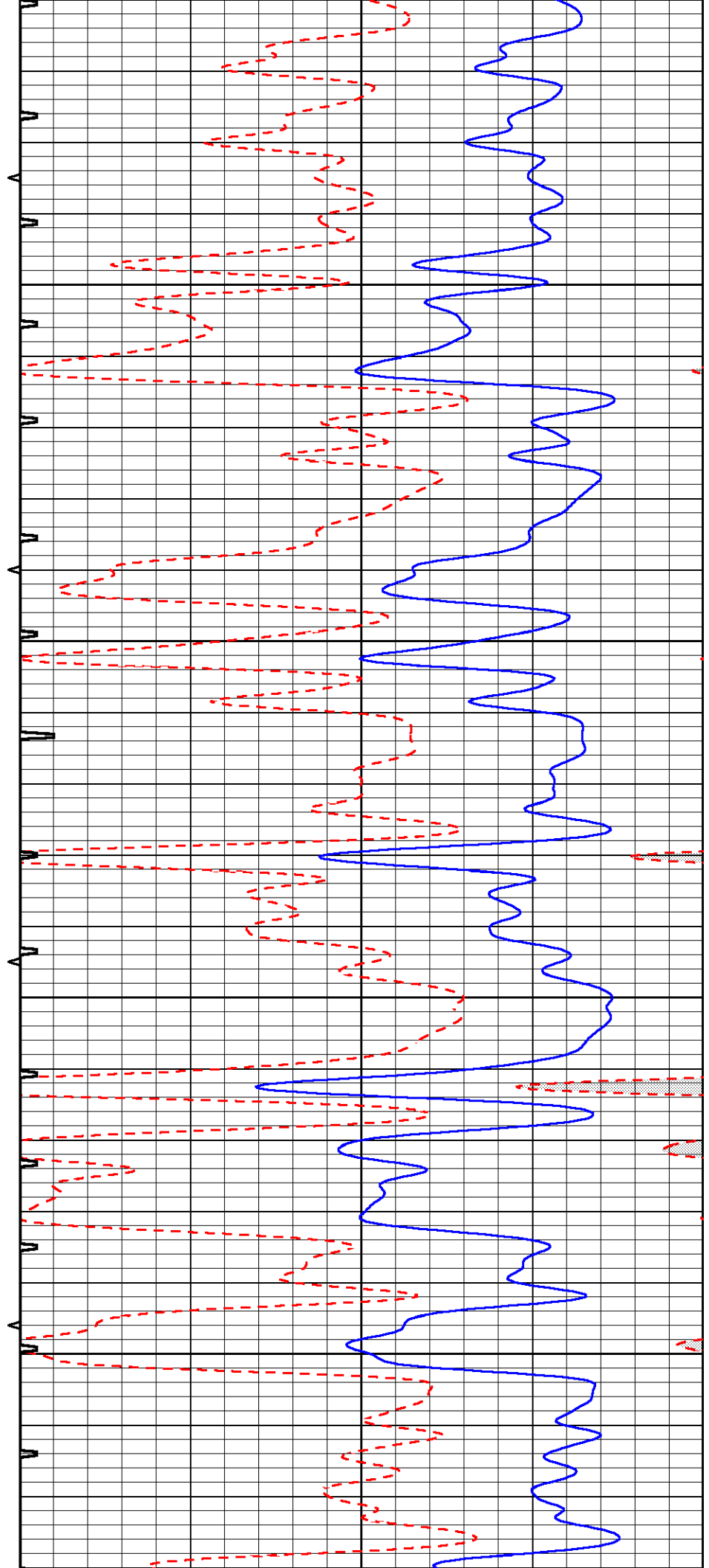


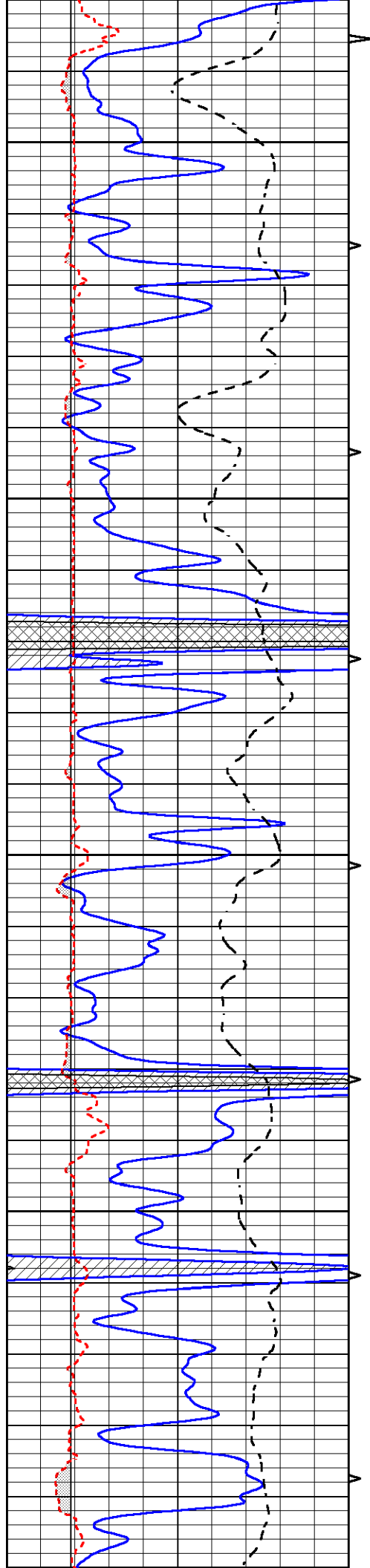
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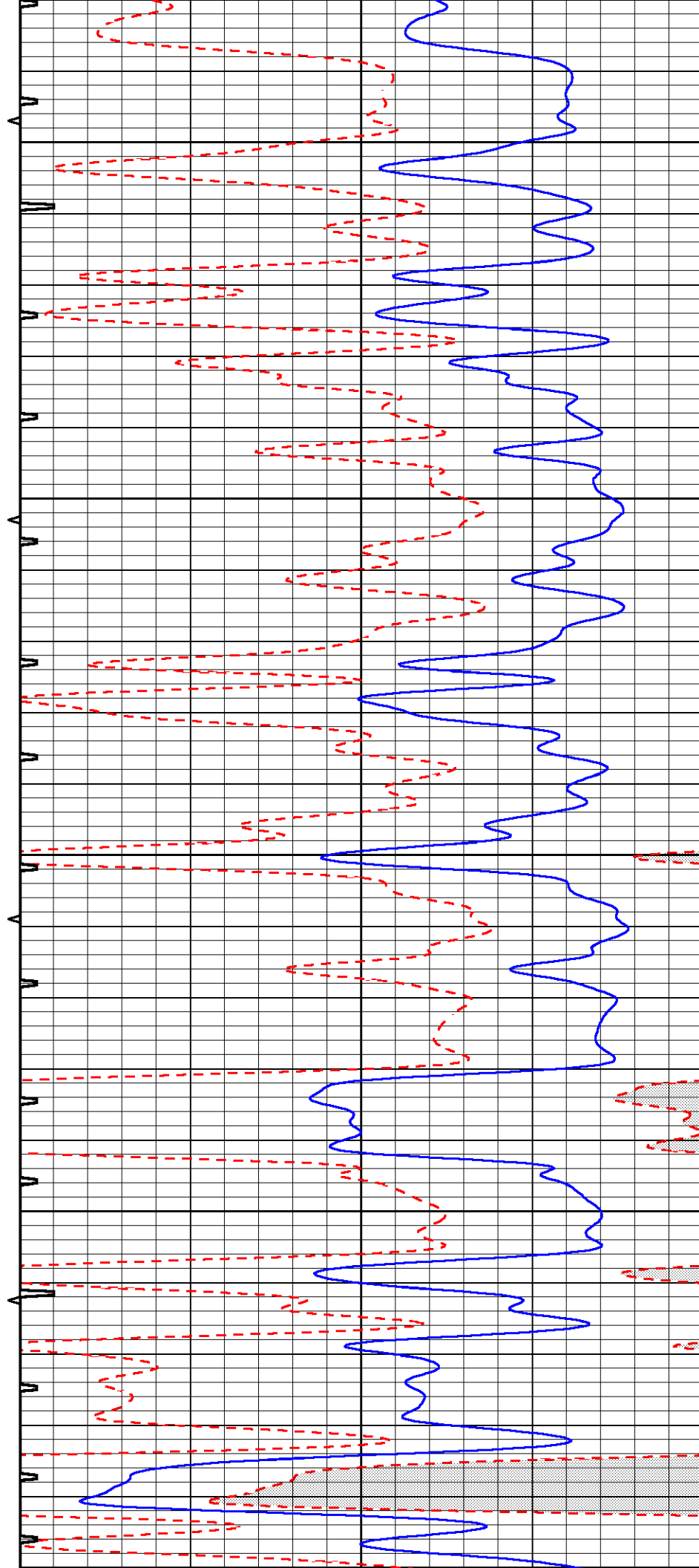
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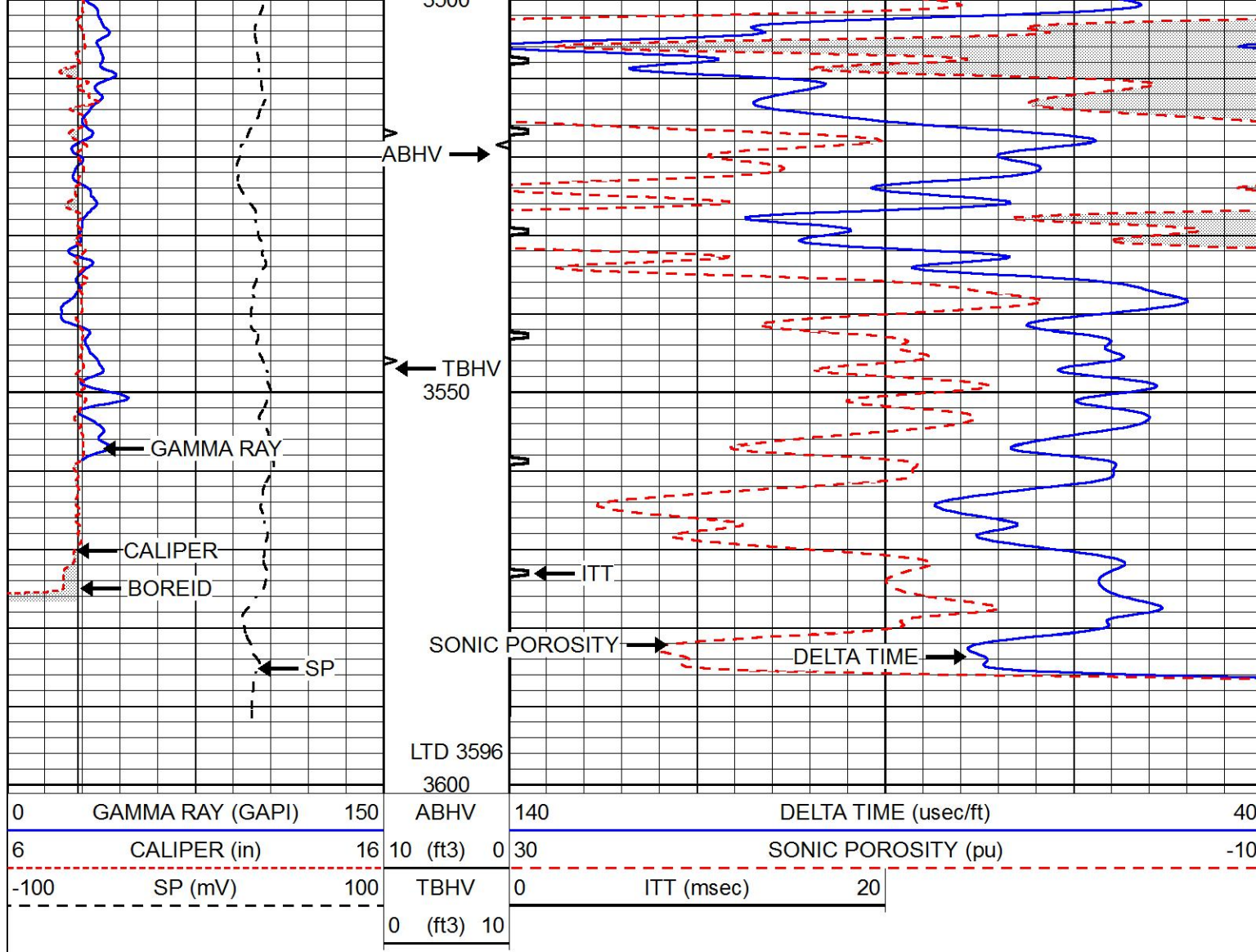
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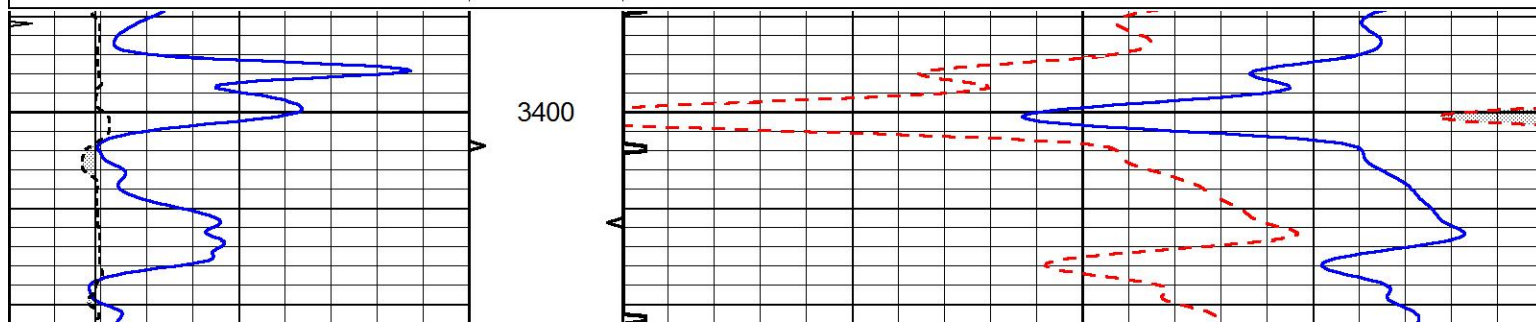


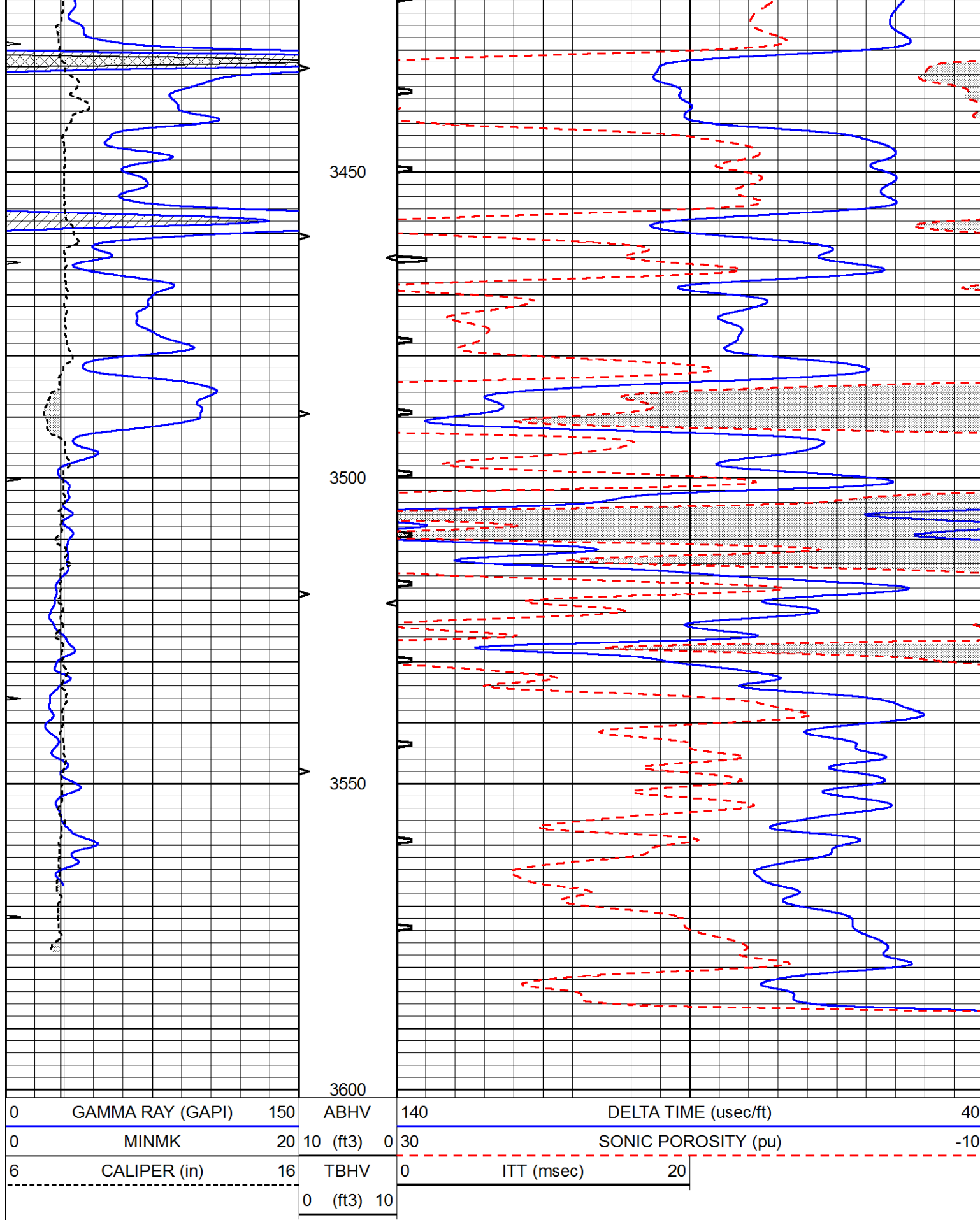


REPEAT SECTION

Database File 5028ddn.db
 Dataset Pathname pass4.1
 Presentation Format _slt
 Dataset Creation Tue Sep 22 09:08:12 2020
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
0	MINMK	20	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
6	CALIPER (in)	16	TBHV	0	ITT (msec)	20
			0 (ft3) 10			





Calibration Report

Database File 5028ddn.db
 Dataset Pathname pass4.1
 Dataset Creation Tue Sep 22 09:08:12 2020

MICRO Calibration Report		
Serial Number: Tool Model: Performed:	Micro1 ProbeL Thu Apr 02 16:23:04 2020	
Caliper Calibration:	Gain=3.980	Offset=4.951
References	Low Cal 9.500	High Cal 13.000
Readings	0.308	2.032
1.5" Calibration:	Gain=36.134	Offset=-1.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.004	0.832
2" Calibration:	Gain=38.000	Offset=-0.800
References	Low Cal 0.000	High Cal 20.000
Readings	0.022	0.793
Gamma Ray Calibration Report		
Serial Number: Tool Model: Performed:	GR5 OPEN Thu Jul 30 23:16:16 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps