



SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

COMPENSATED DENSITY NEUTRON LOG

Company XTO Energy Inc.
Well Golden Eagle 31-06
Field Purgatoire River
County Las Animas State Colorado

Location: API # : 05 071 09279 00

2436' FNL & 2133' FWL

SEC 31 TWP 33S RGE 67W

Permanent Datum	Ground Level	Elevation	7885'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Other Services
dill
Elevation
K.B. -----
D.F. -----
G.L. 7885'

Date	6-20-07		
Run Number	One		
Depth Driller	2450'		
Depth Logger	2450'		
Bottom Logged Interval	2427'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 494'		
Casing Logger	495'		
Bit Size	7 7/8"		
Type Fluid in Hole	Water		
Density / Viscosity	///		
pH / Fluid Loss	///		
Source of Sample	///		
Rm @ Meas. Temp	///		
Rmf @ Meas. Temp	///		
Rmc @ Meas. Temp	///		
Source of Rmf / Rmc	///		
Rm @ BHT	///		
Time Circulation Stopped	3:00 P.M.		
Time Logger on Bottom	5:15 P.M.		
Maximum Recorded Temperature	115 DEG F		
Equipment Number	T697		
Location	Trinidad		
Recorded By	M. Norton		
Witnessed By	Mr. Don Johnson		

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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

Density Neutron Porosity Presented On Sandstone Matrix.
ABHV Calculated For 5 1/2" Casing
Well Directions:
First Bosque entrance just before Weston, first right at Cherry Canyon,
stay left at Y, stay on main road approx. five and half miles, turn right to location.



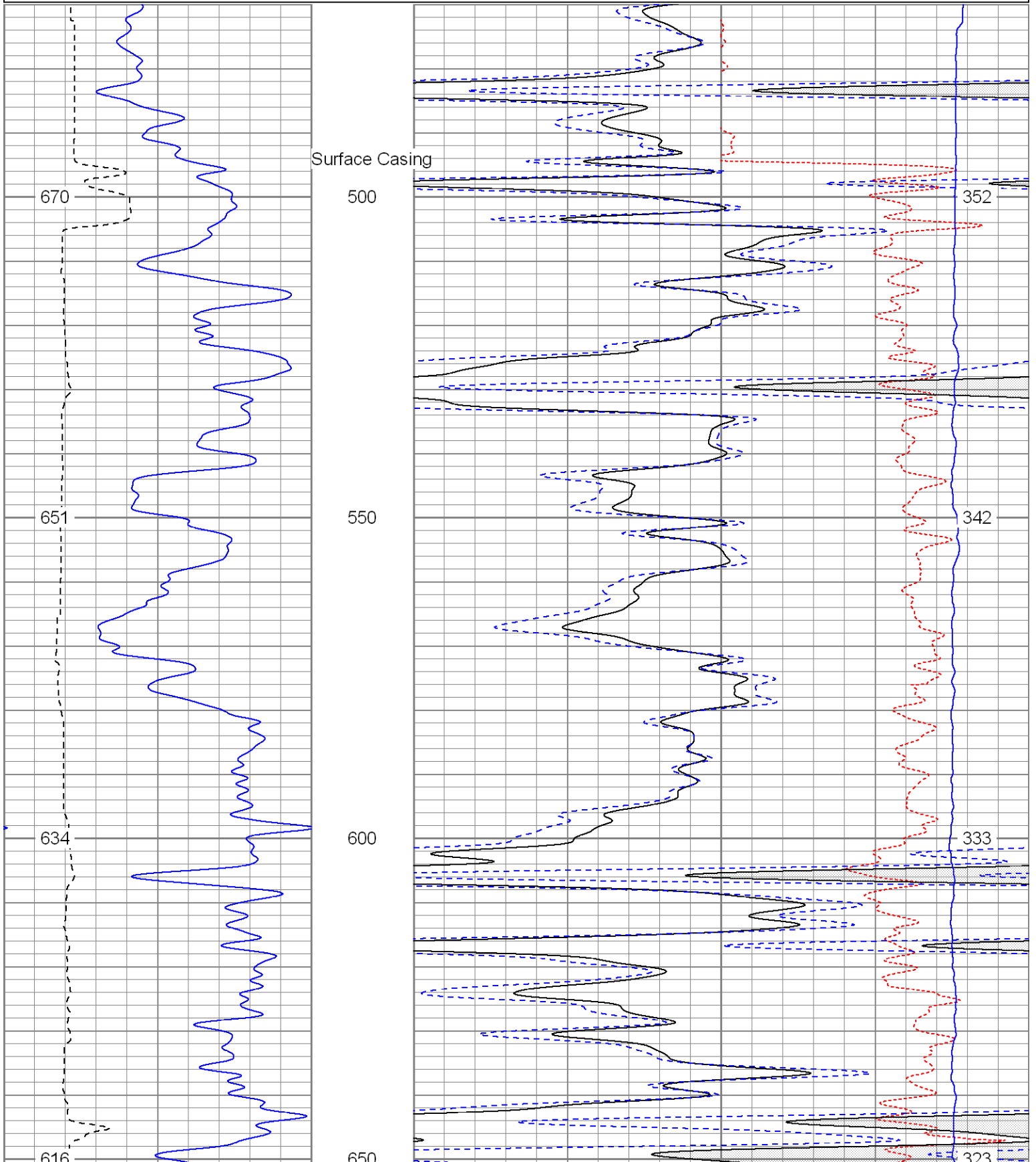
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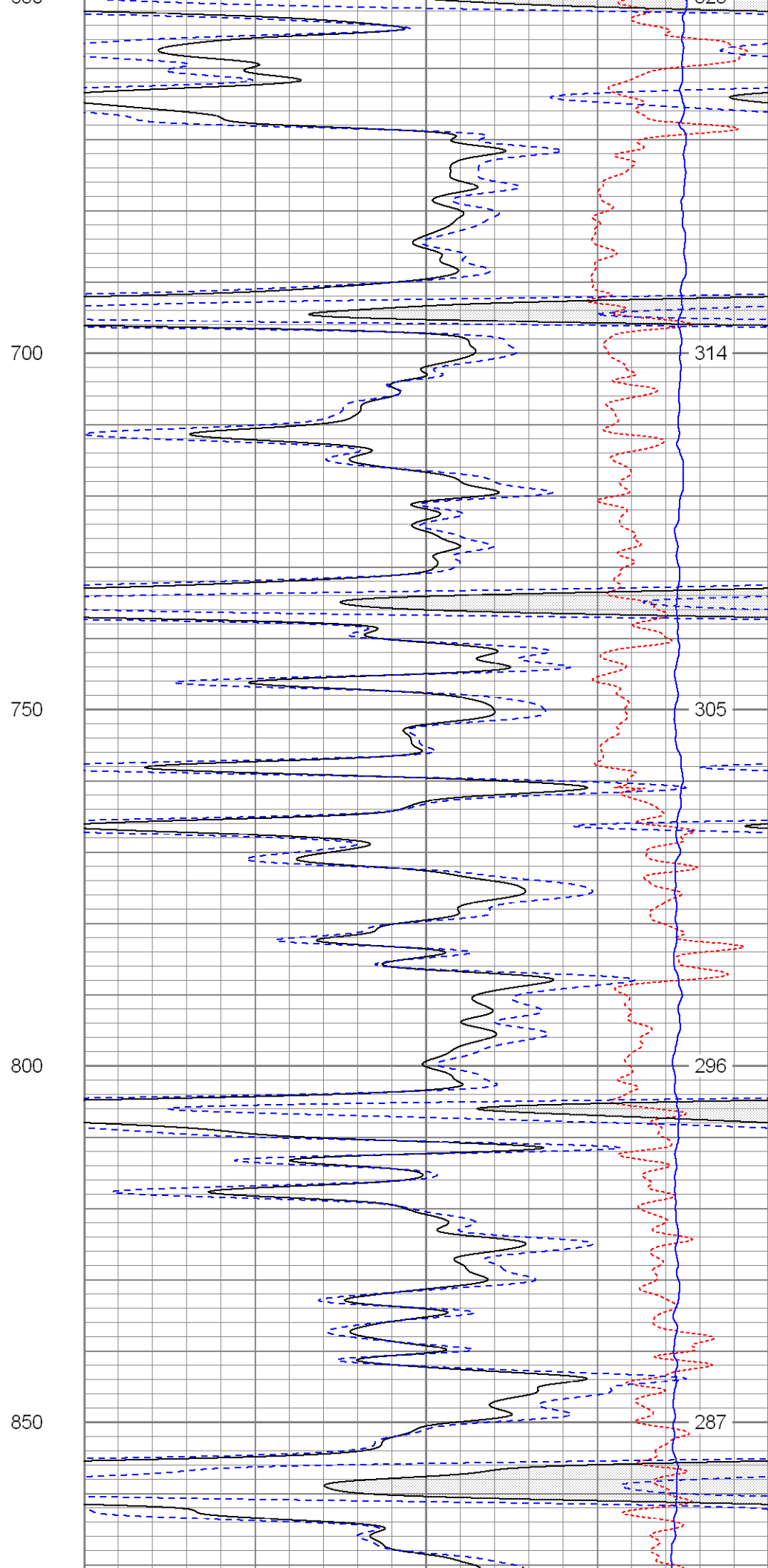
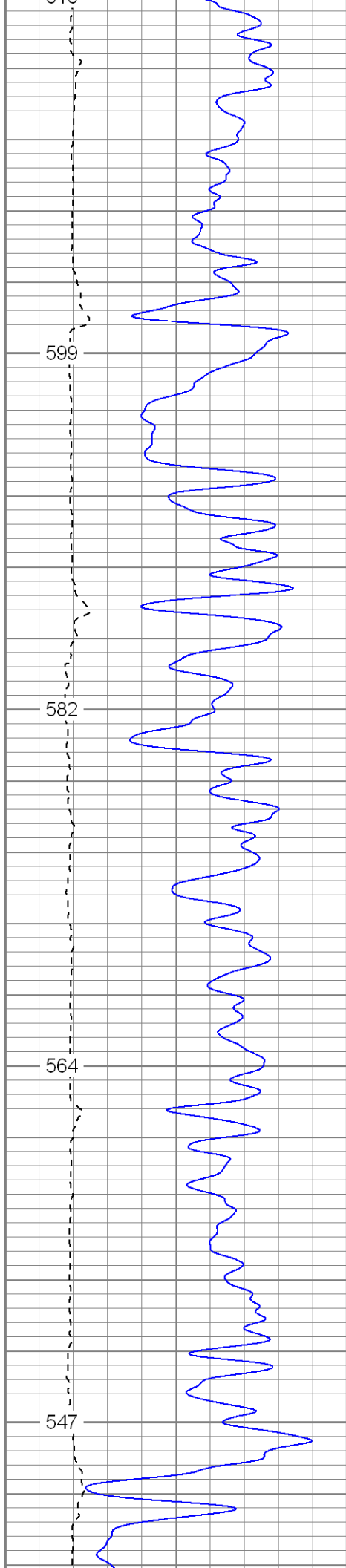
Main Pass

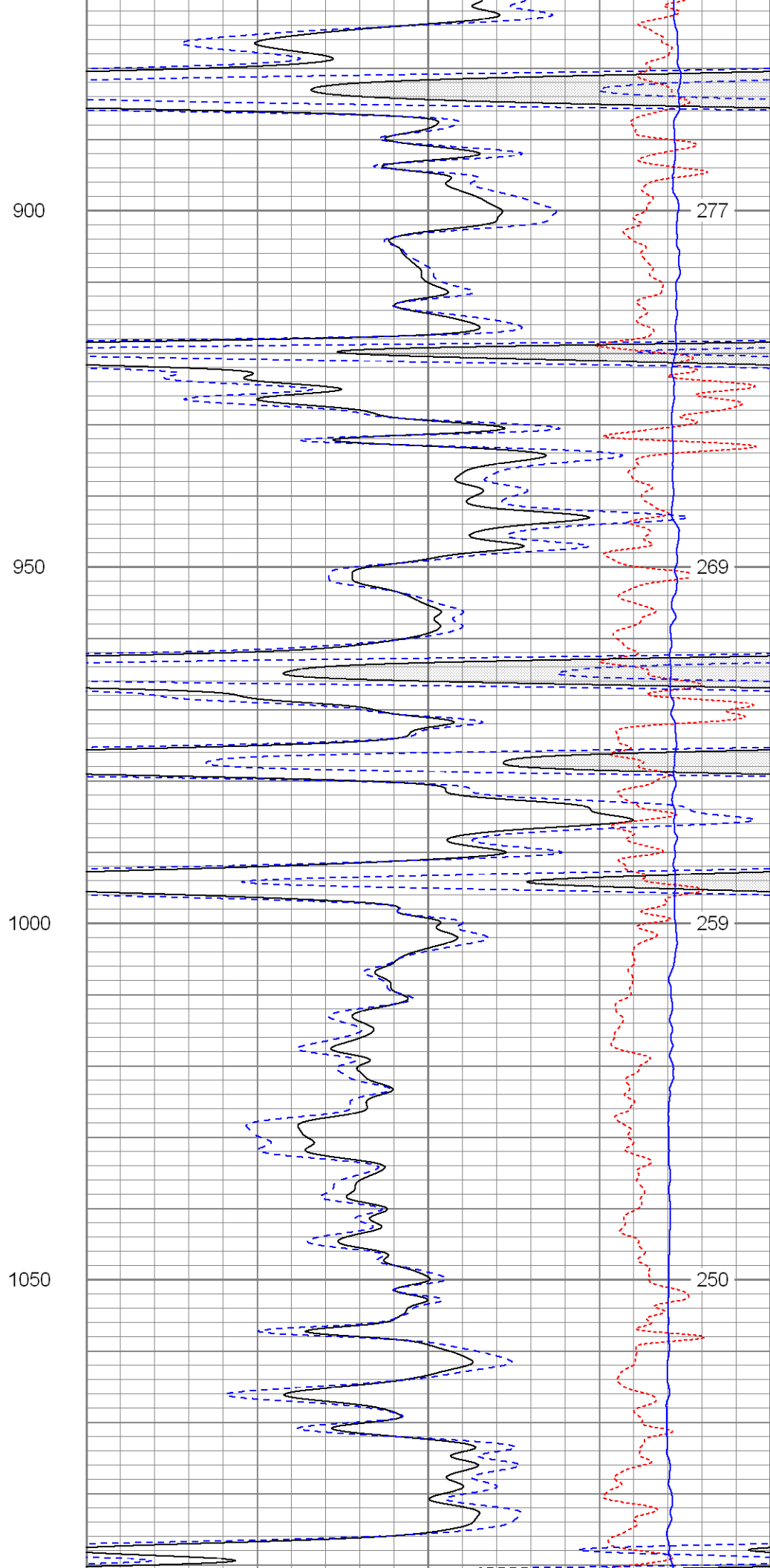
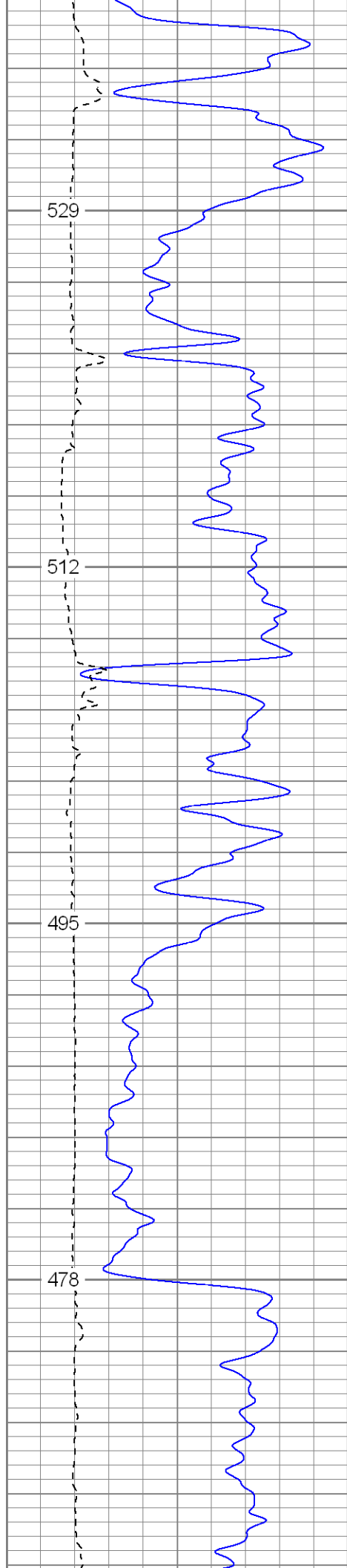
Database File: xtoge3106.db
Dataset Pathname: pass2.1
Presentation Format: cdl
Dataset Creation: Wed Jun 20 18:45:28 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

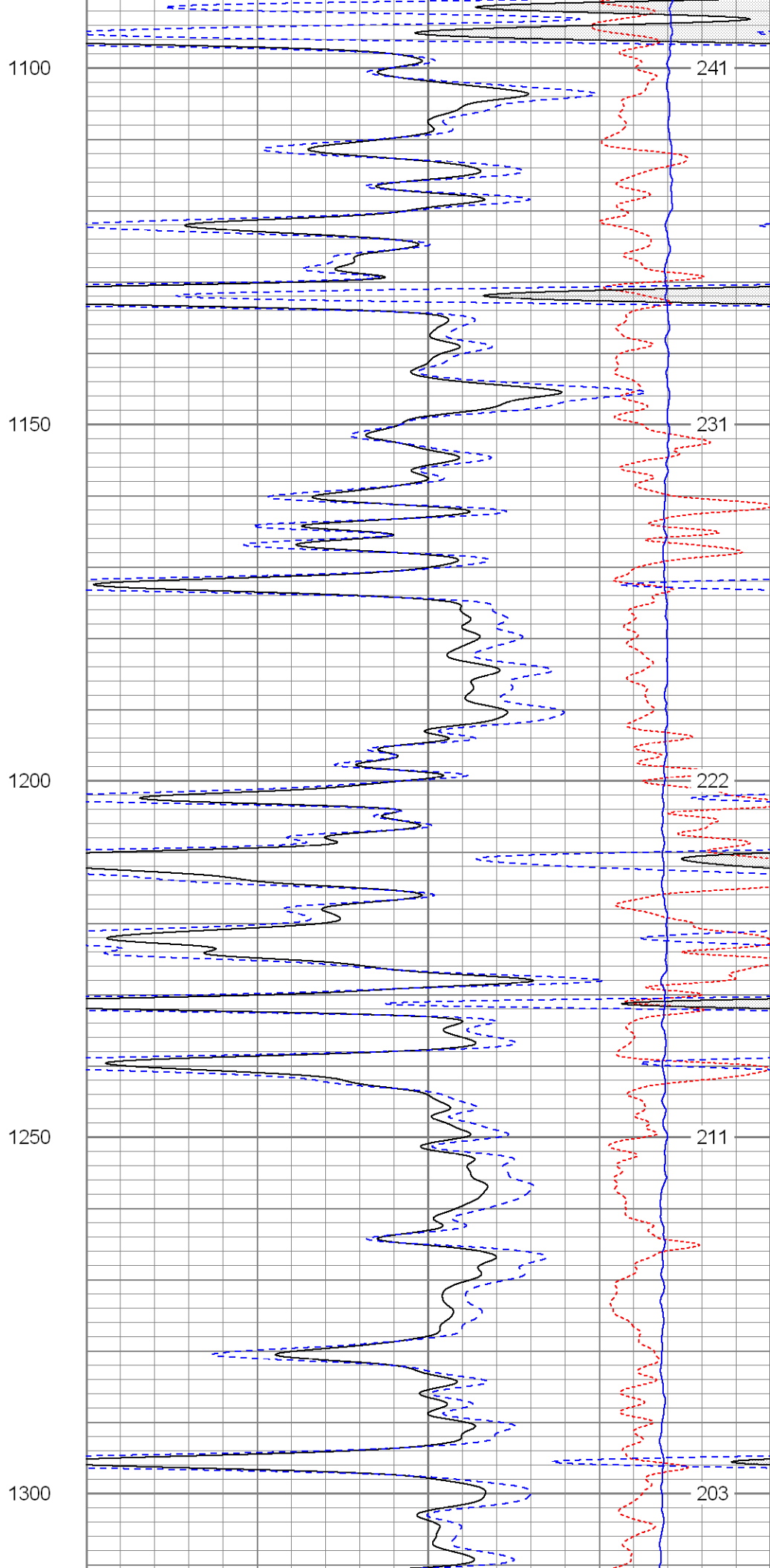
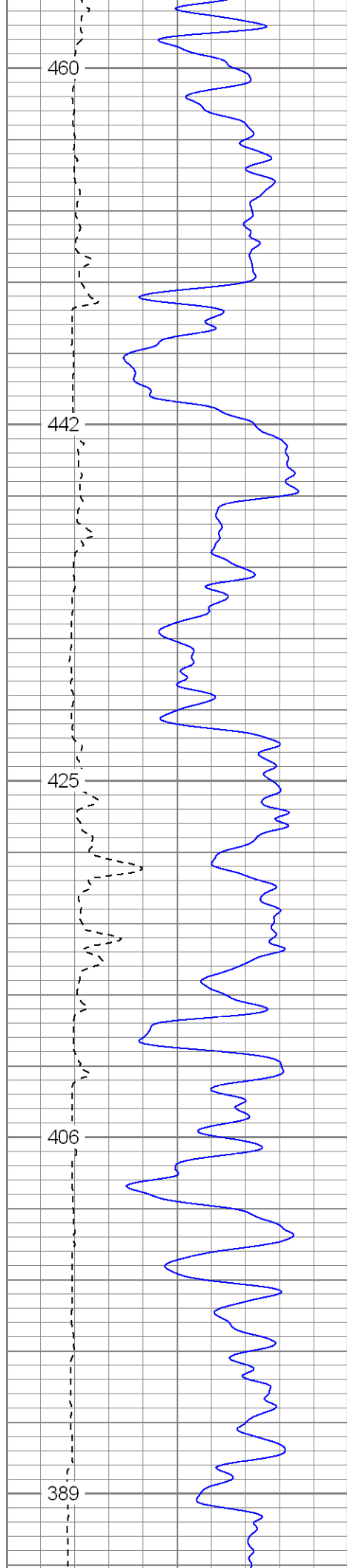
0	GR (GAPI)	200
6	DCAL (in)	16

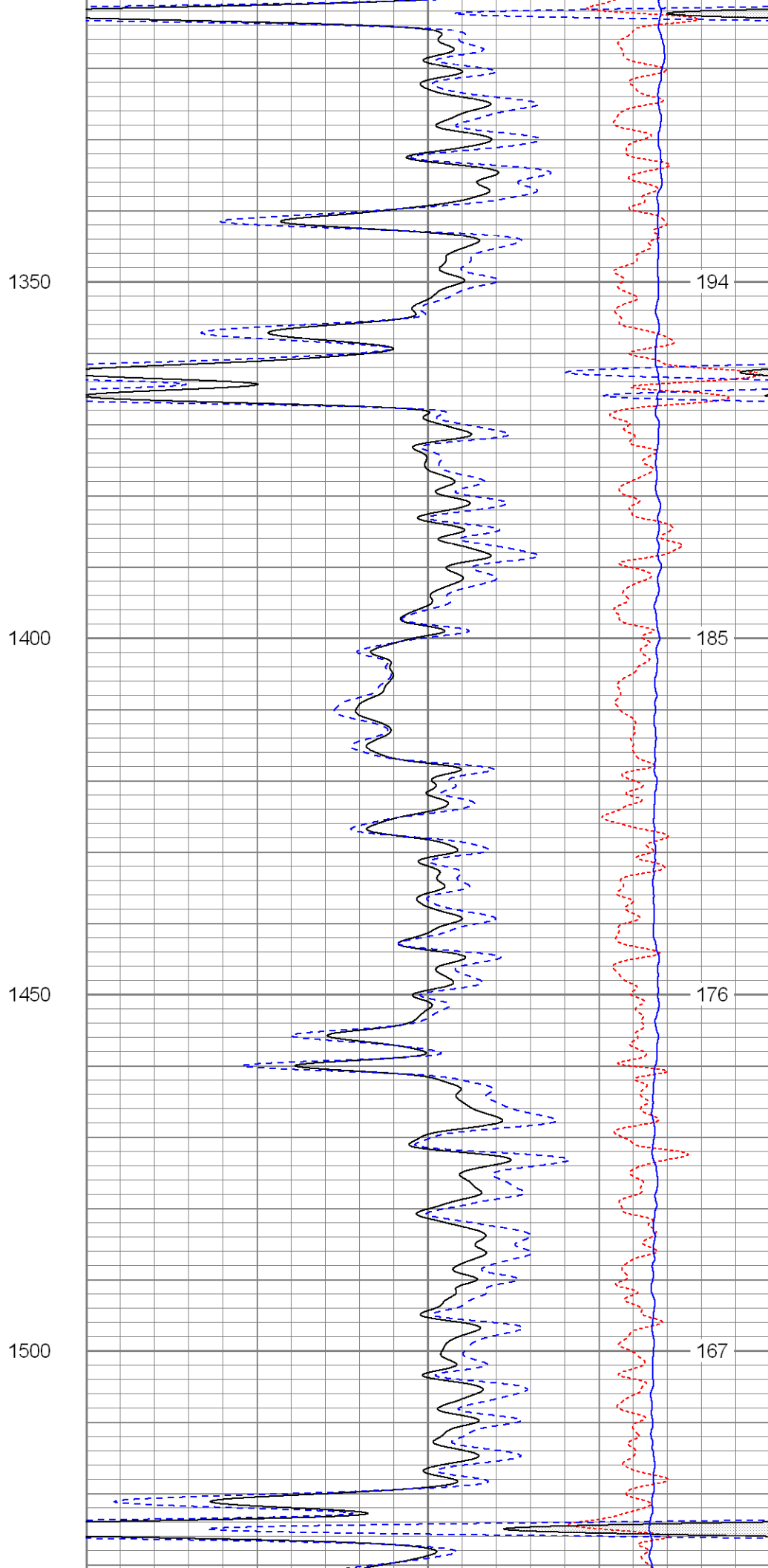
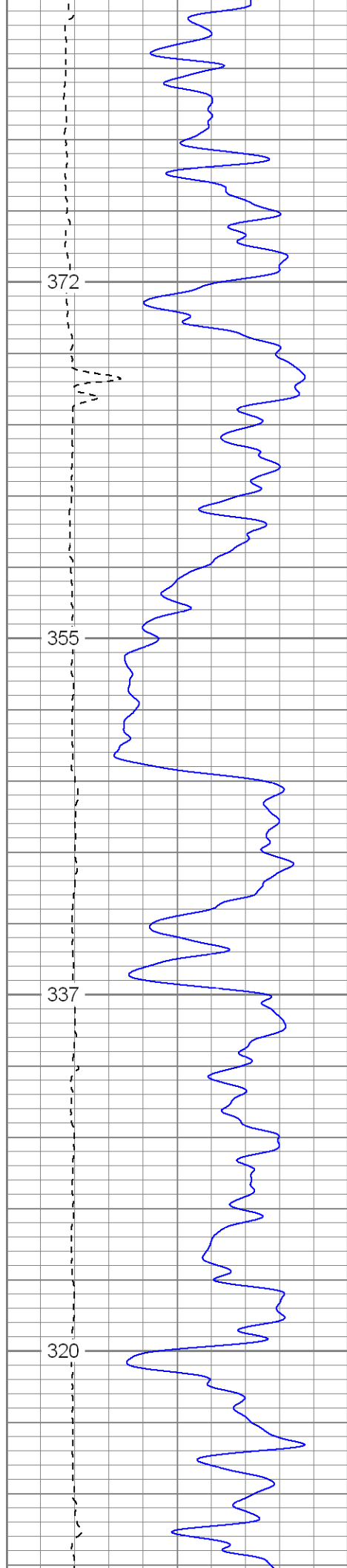
1	RHOB (g/cc)	2
30	DPOR (pu)	-10
-0.5	RHOC (g/cc)	0.5
4000	LTEN (lb)	0

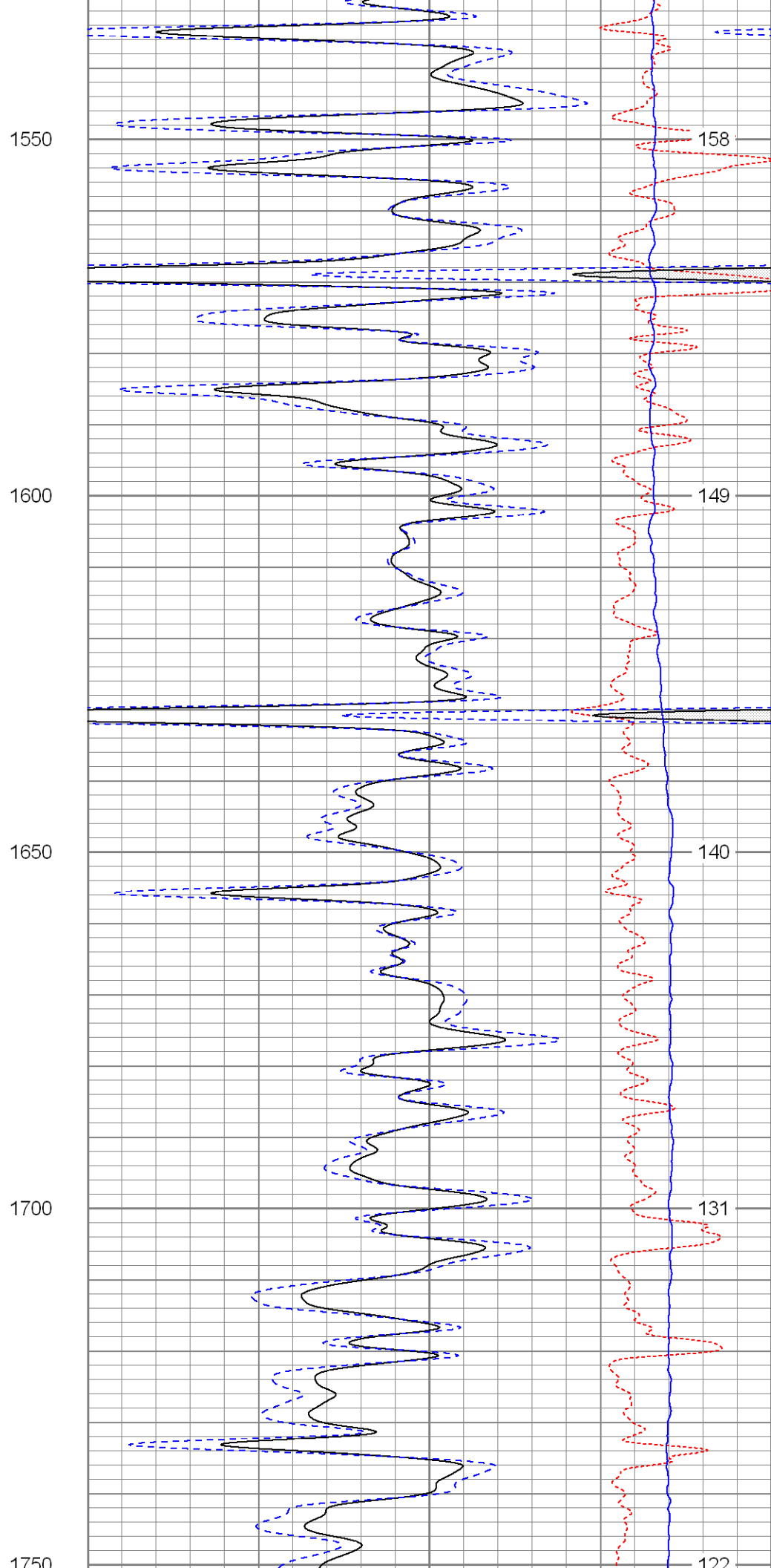
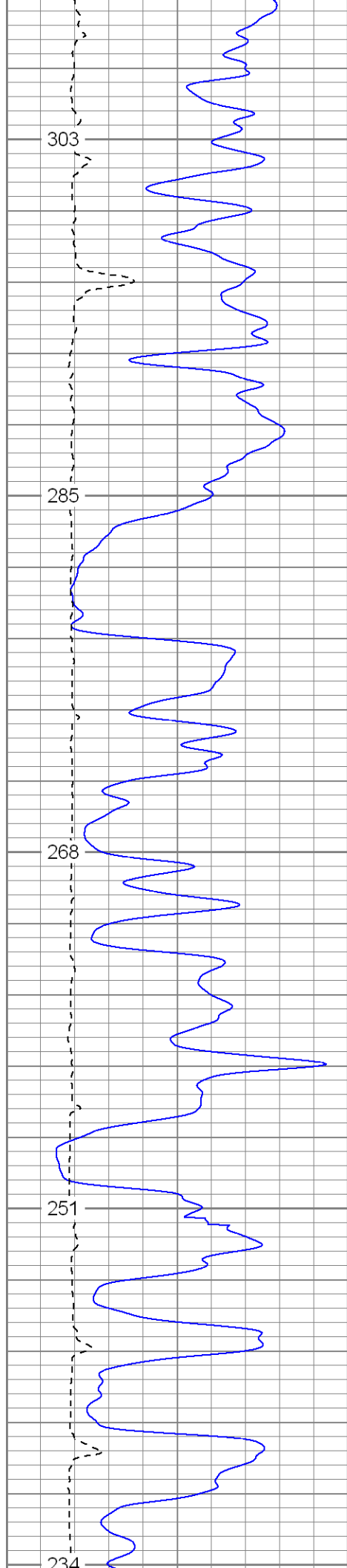


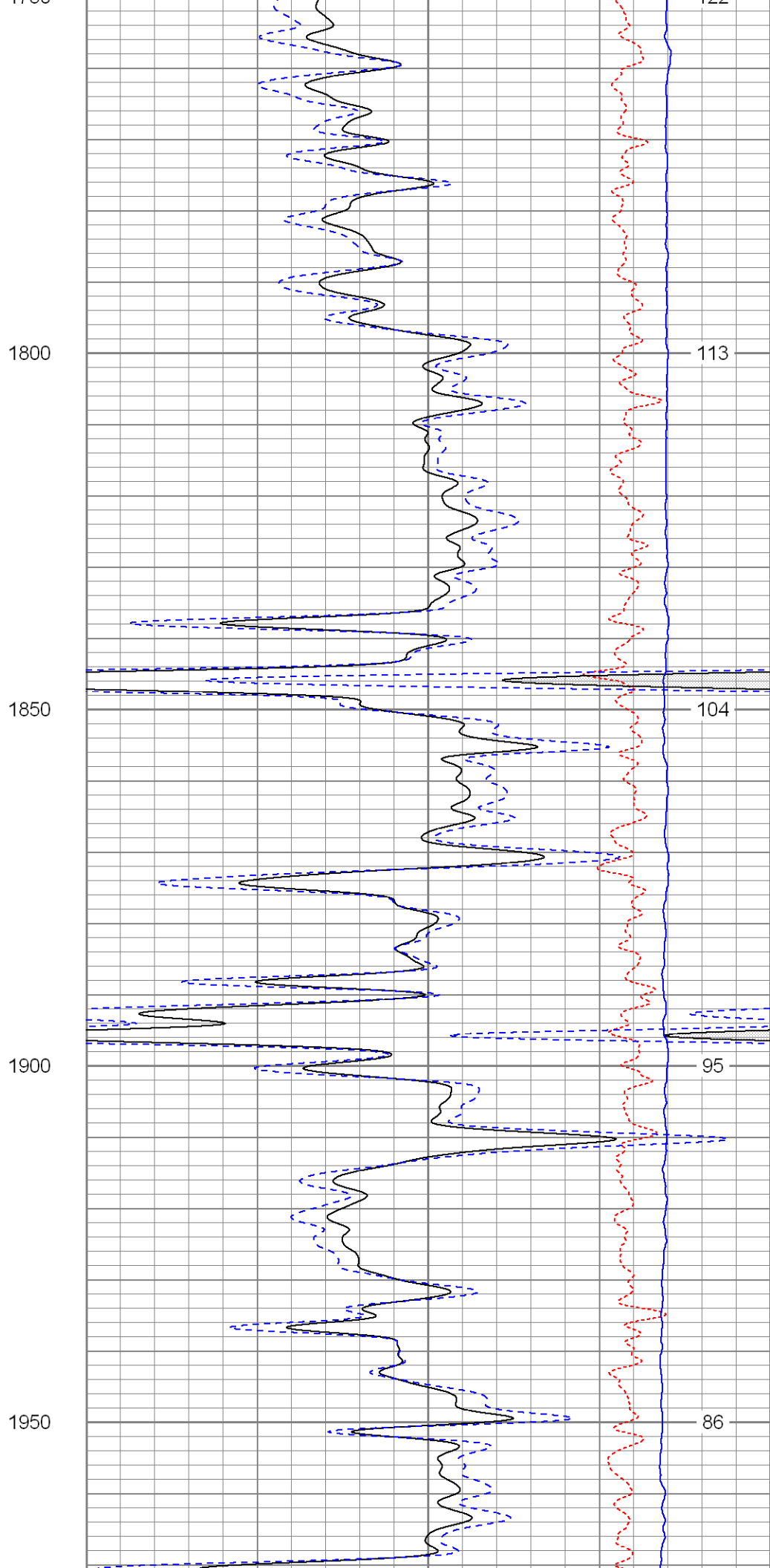
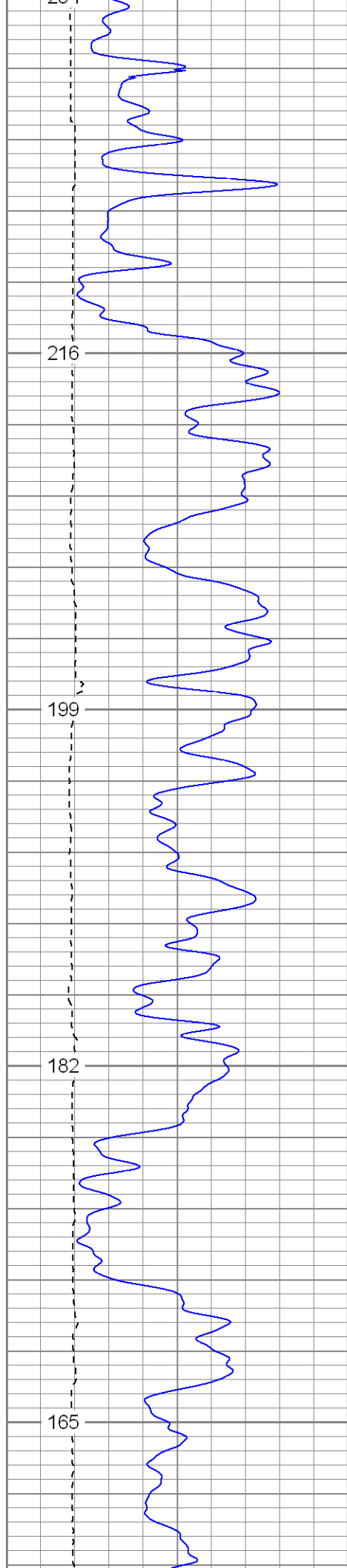


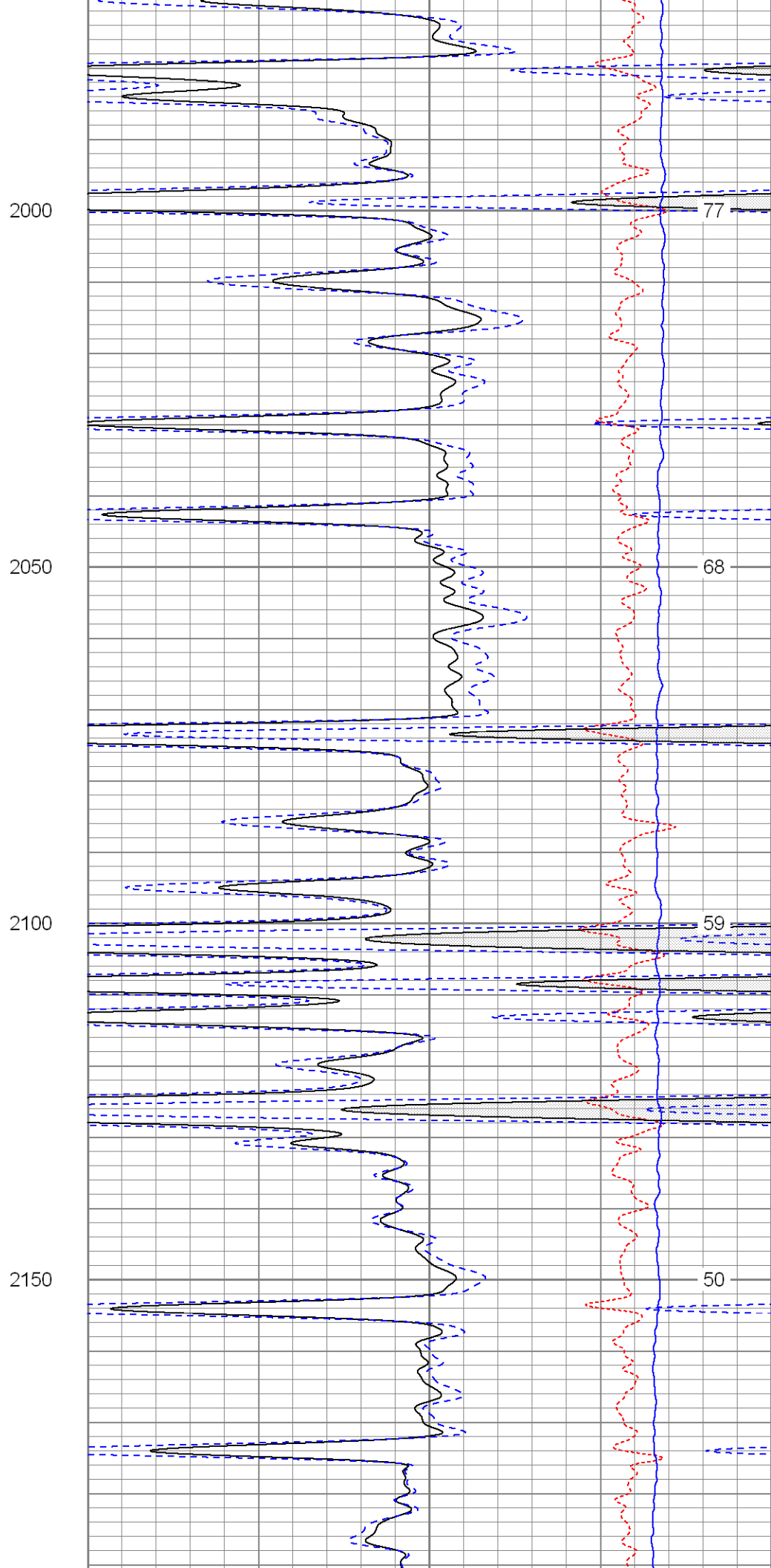
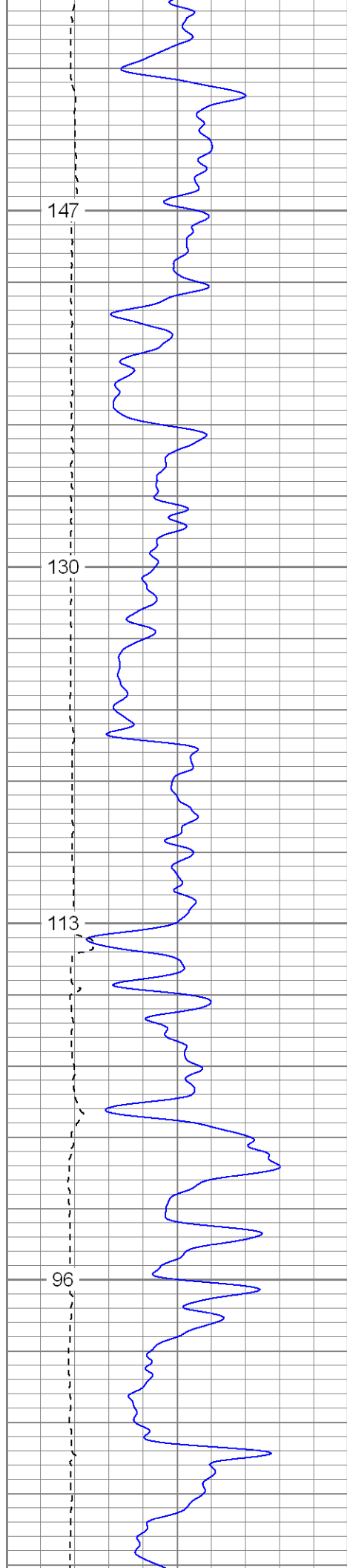


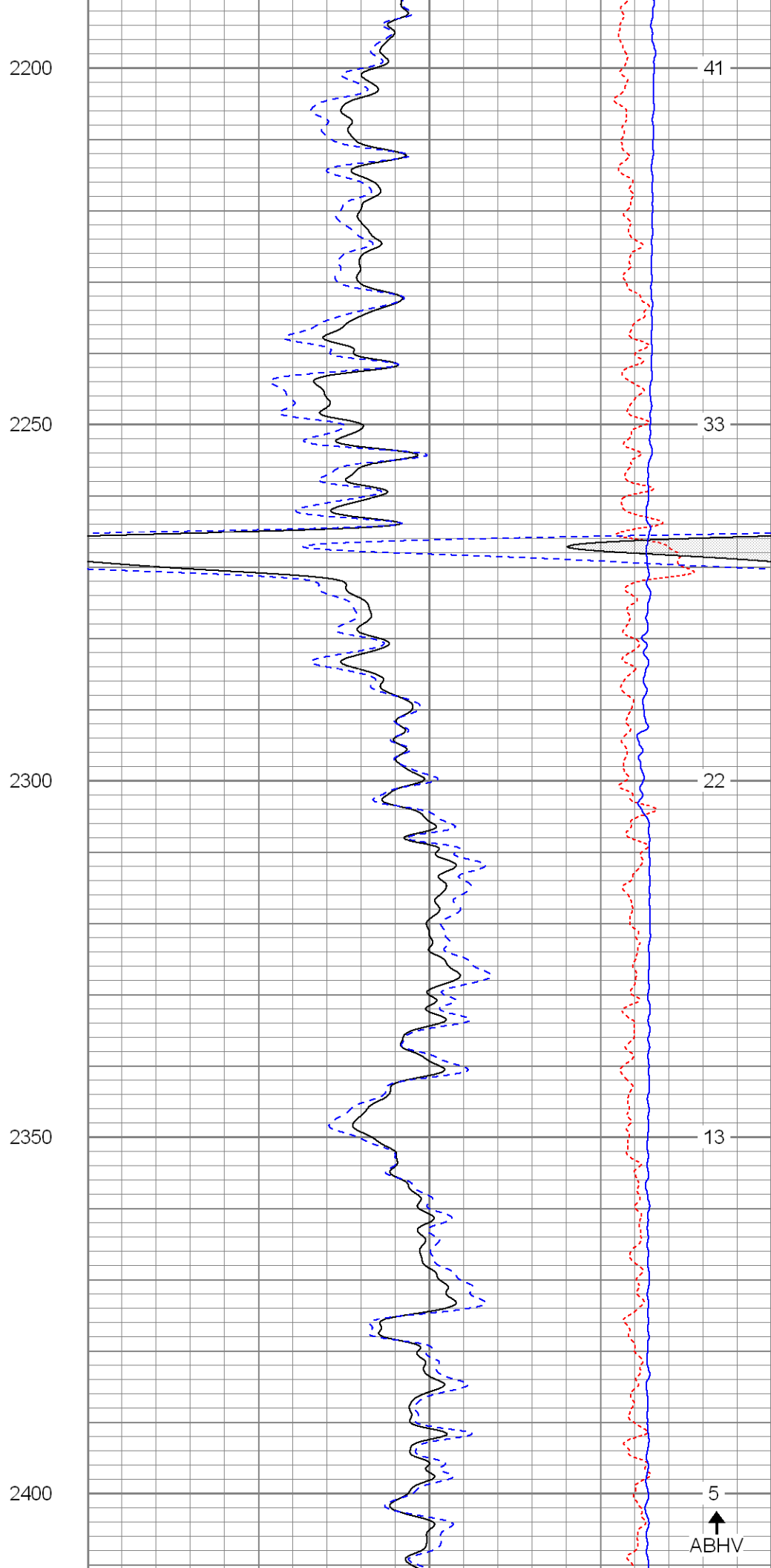
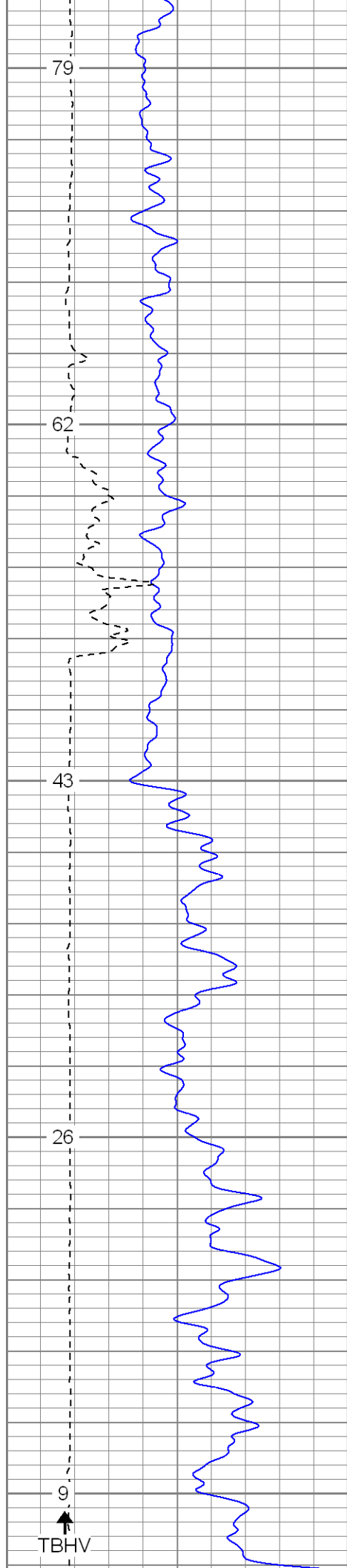


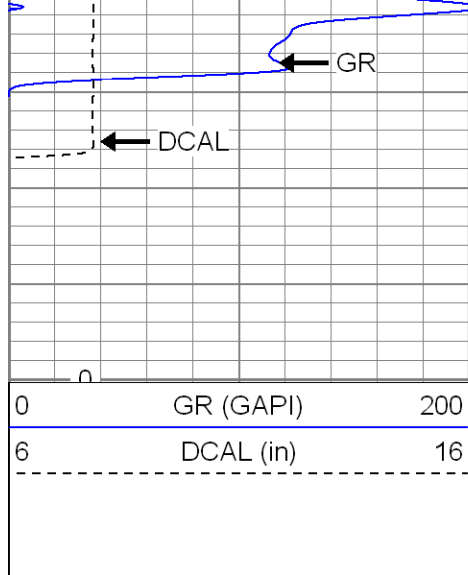




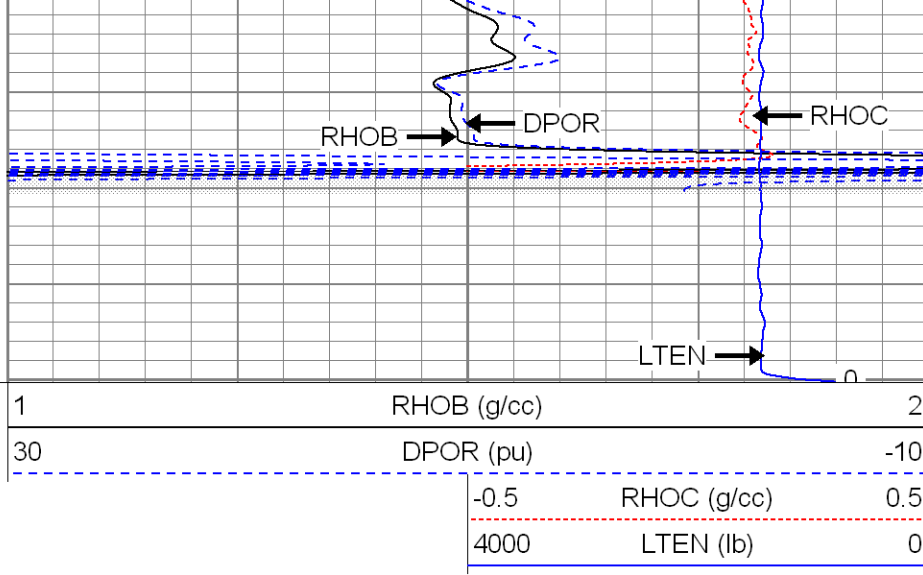








2450



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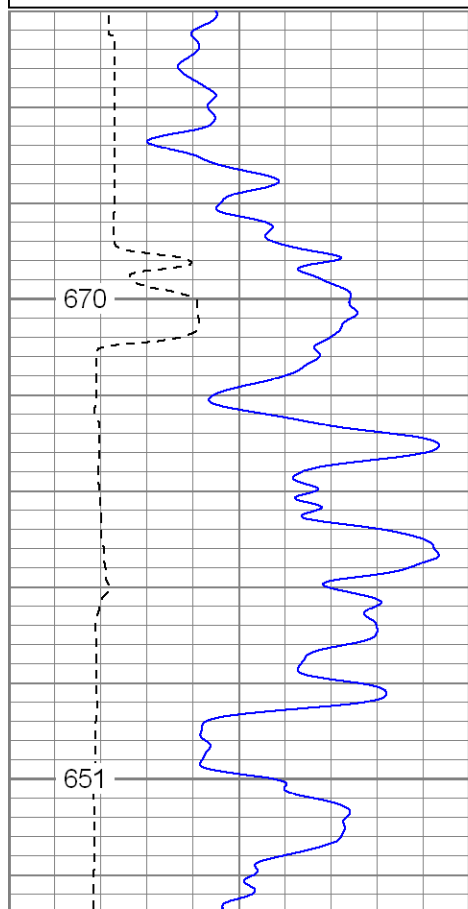
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Main Pass

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Dataset Pathname: pass2.1
Presentation Format: cdnl
Dataset Creation: Wed Jun 20 18:45:28 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

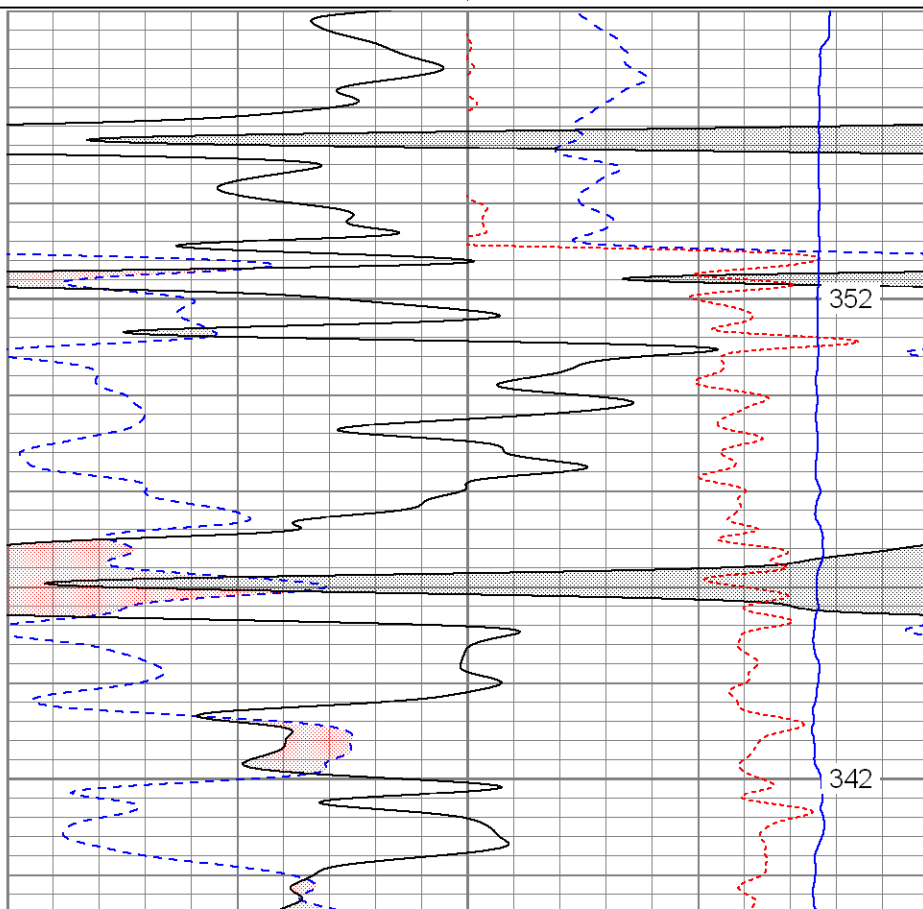
0	GR (GAPI)	200
6	DCAL (in)	16

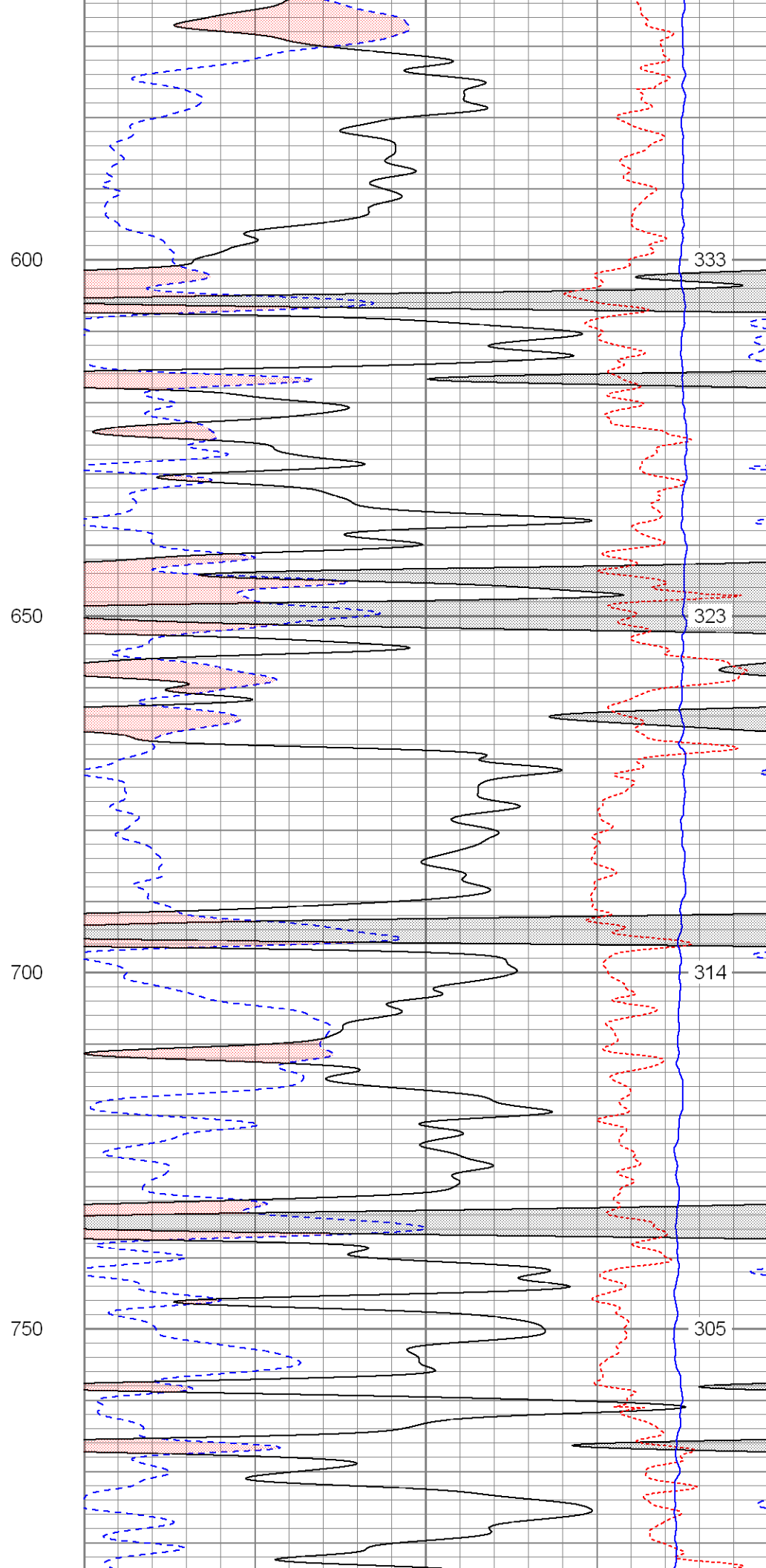
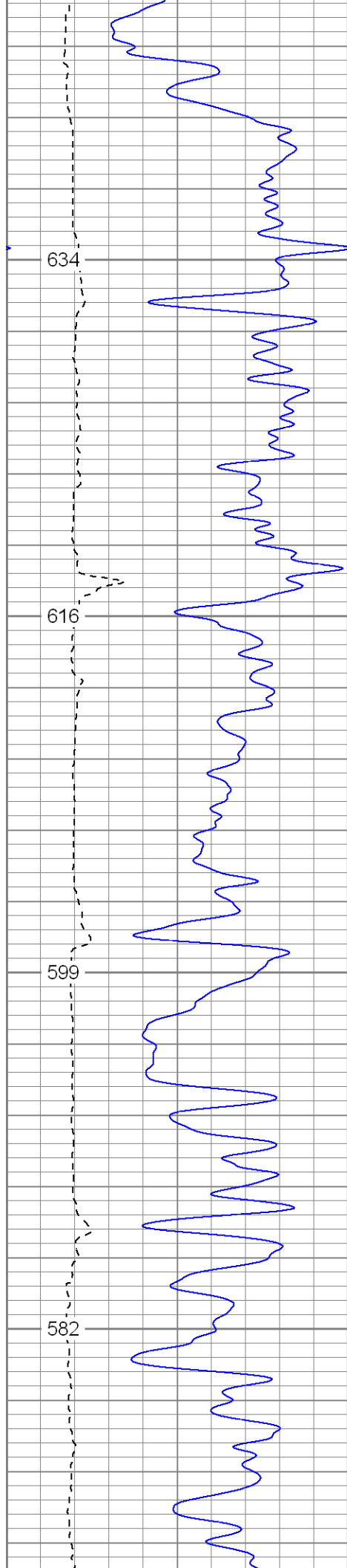
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30	DPOR (pu)	-10
-0.5	RHOC (g/cc)	0.5
4000	LTEN (lb)	0

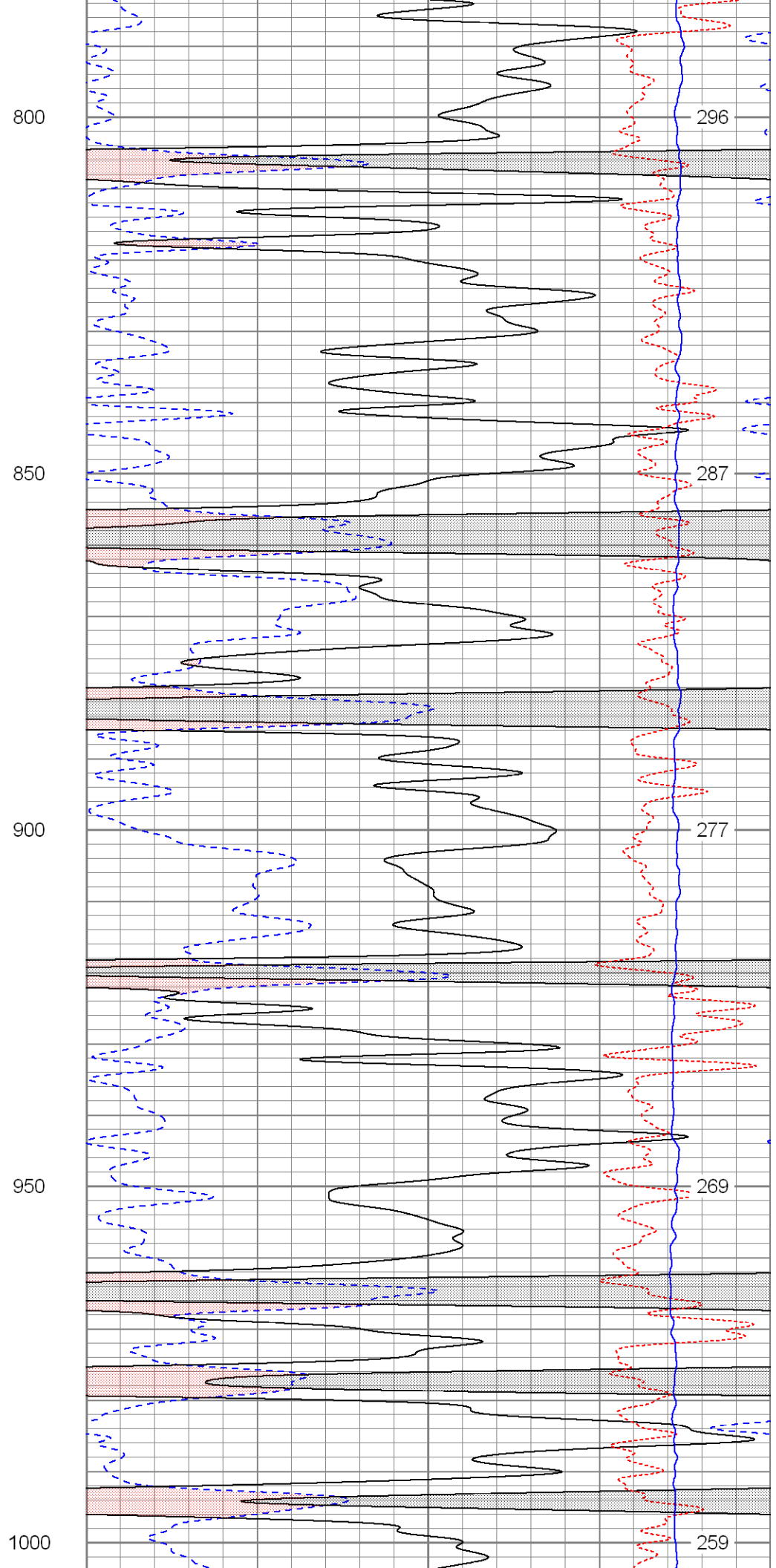
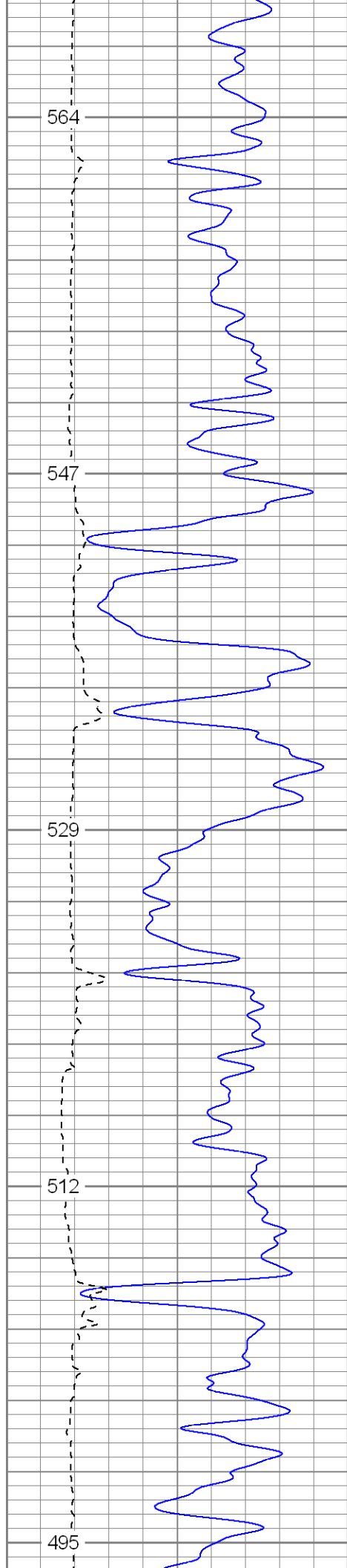


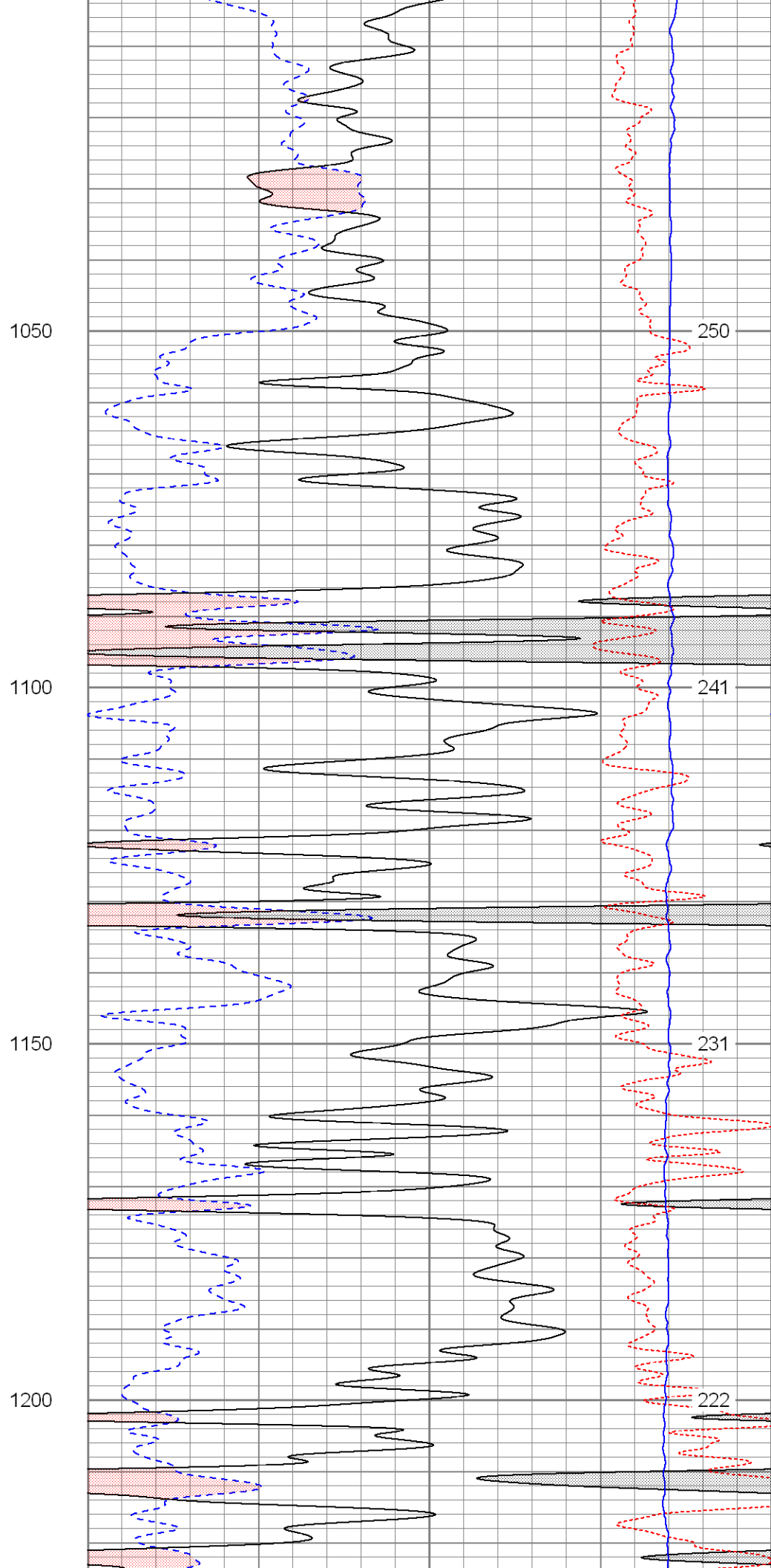
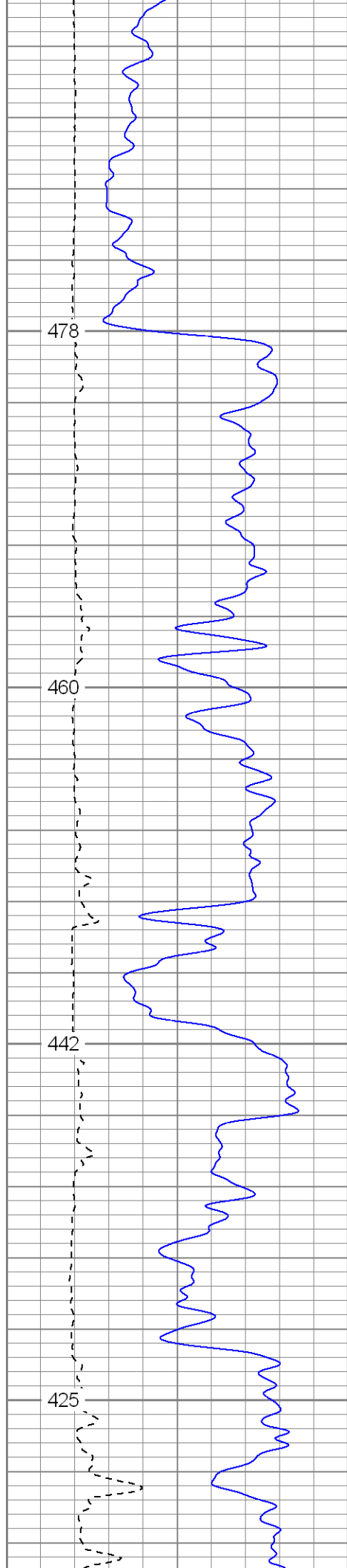
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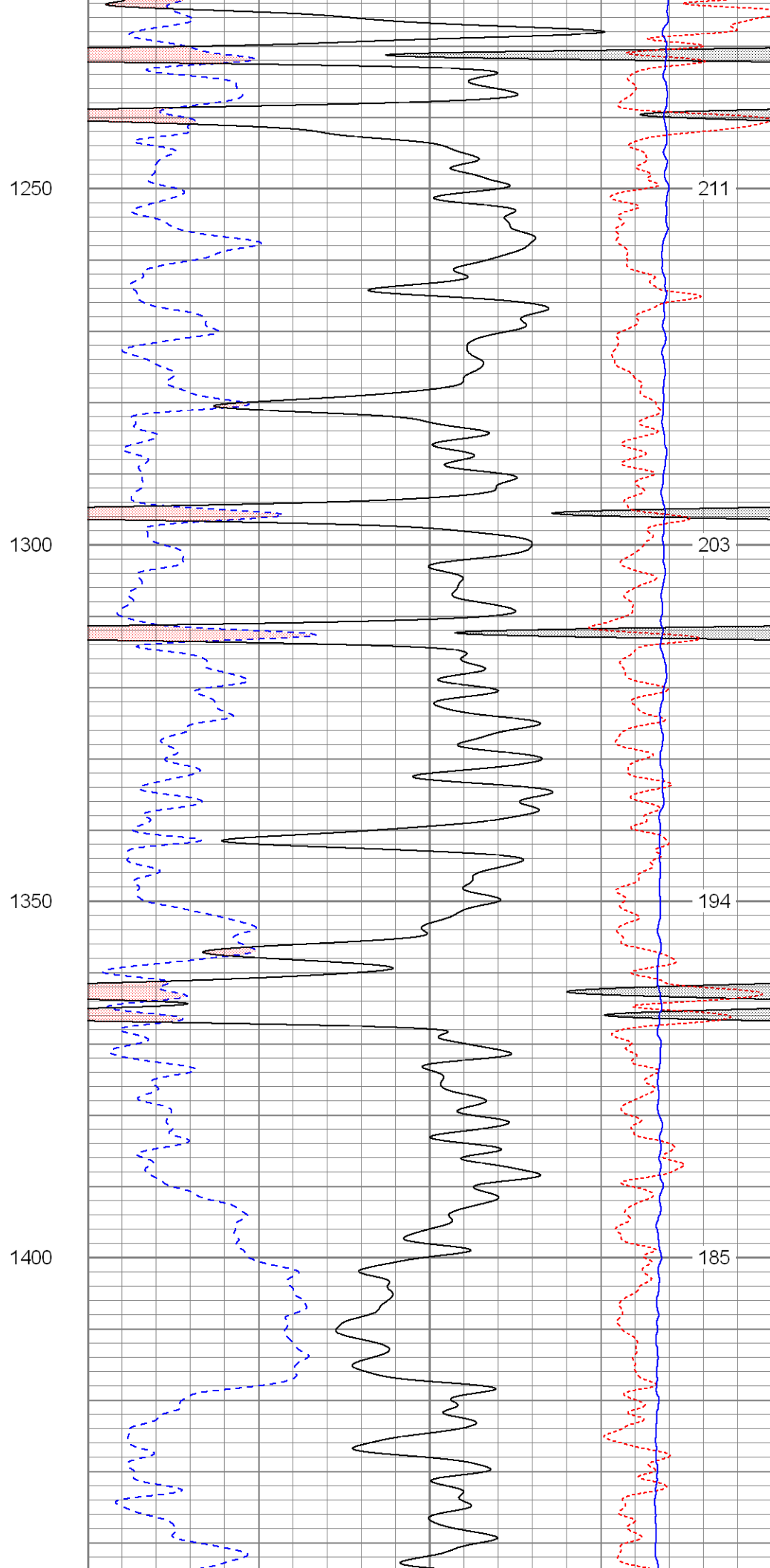
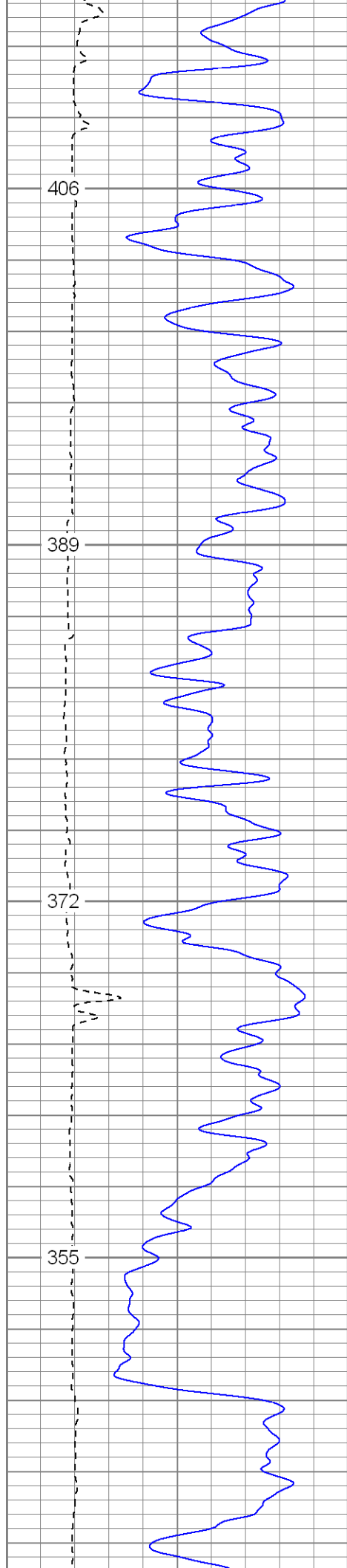
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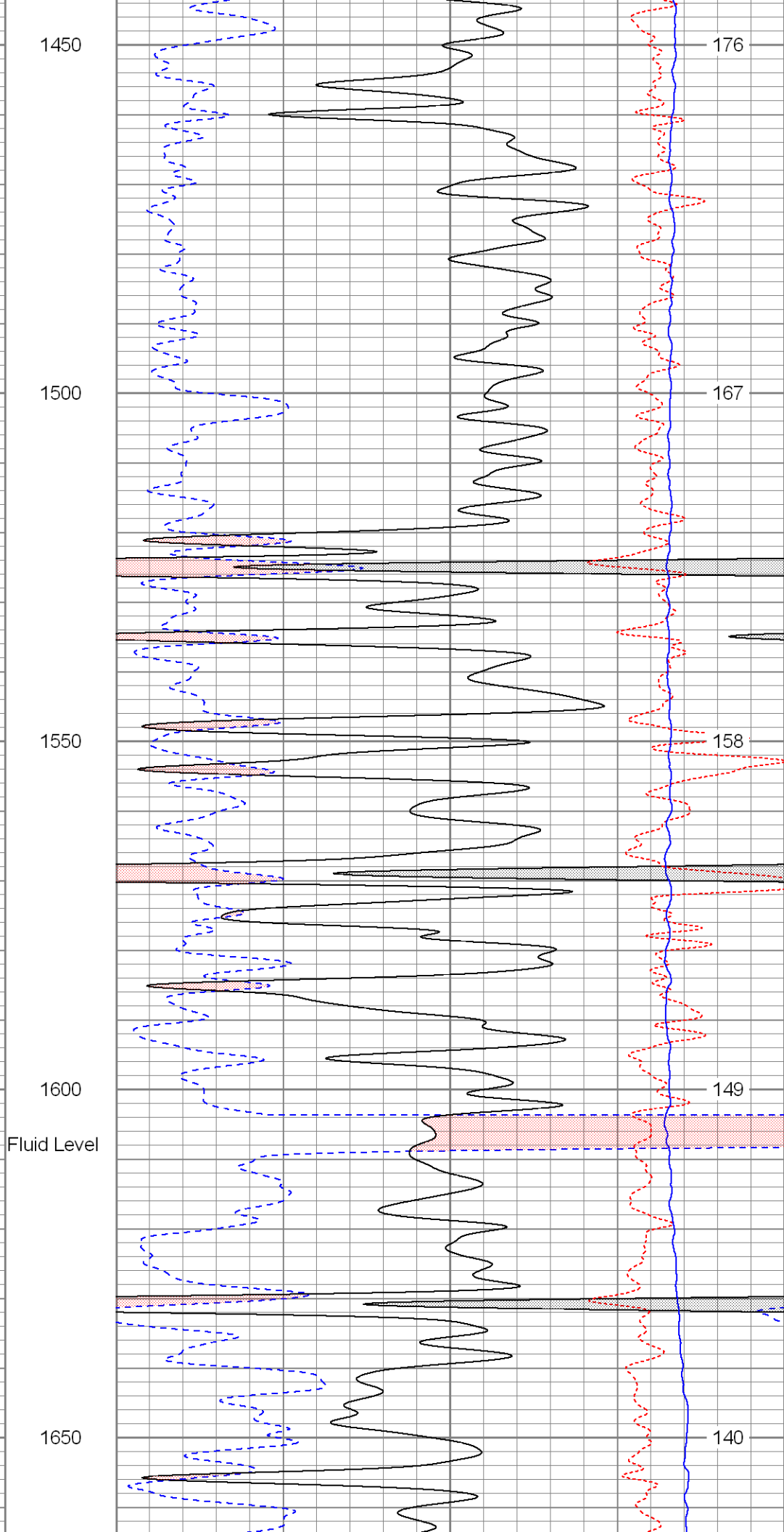
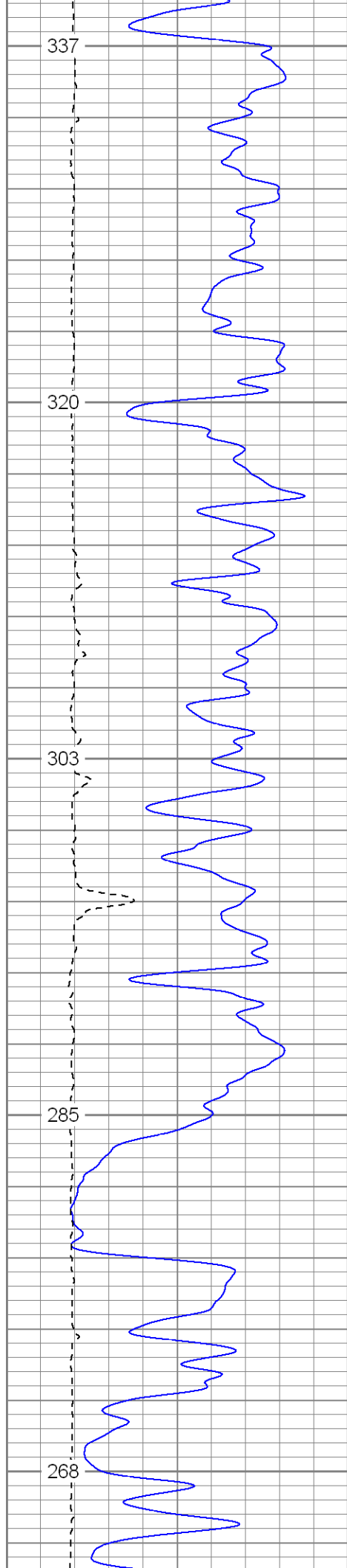


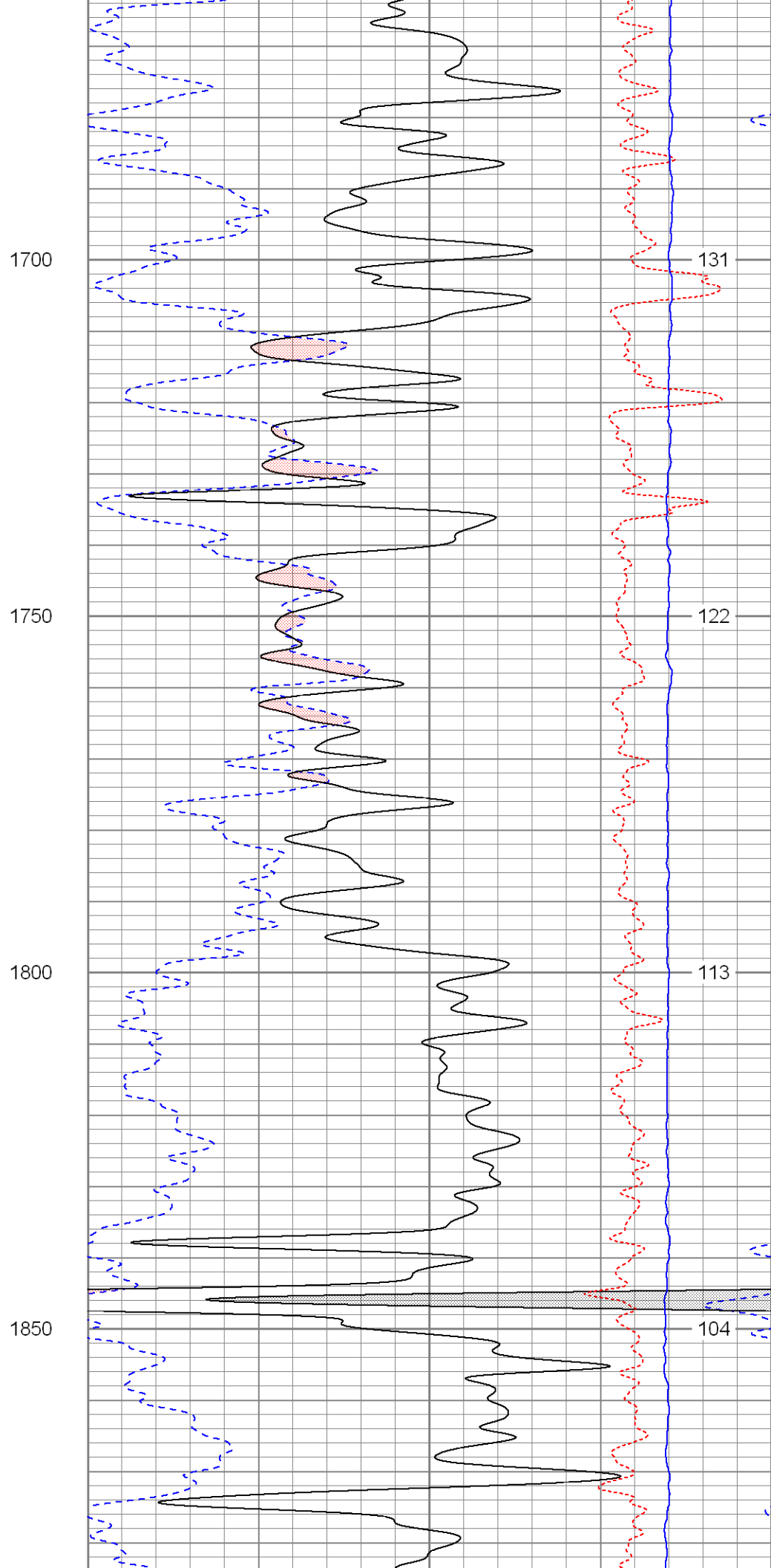
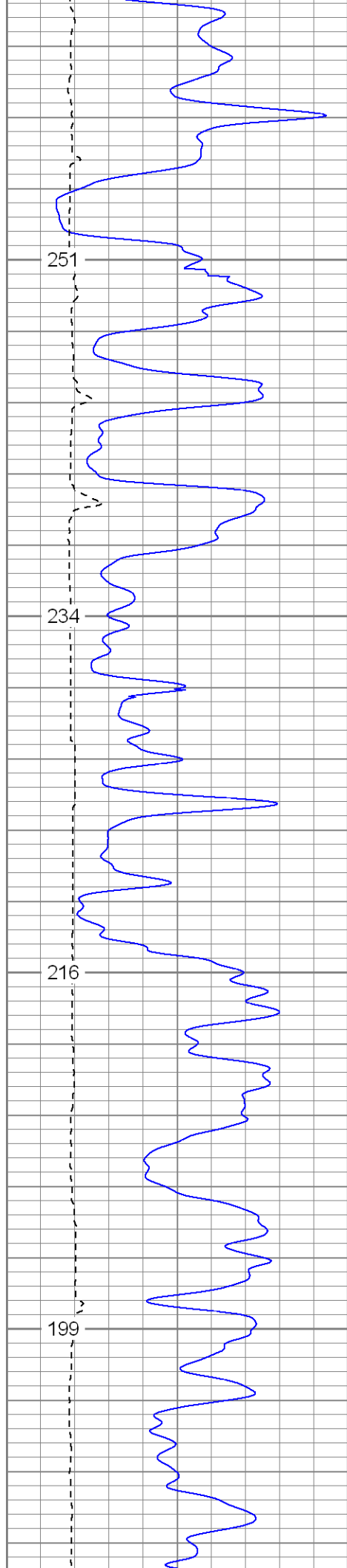


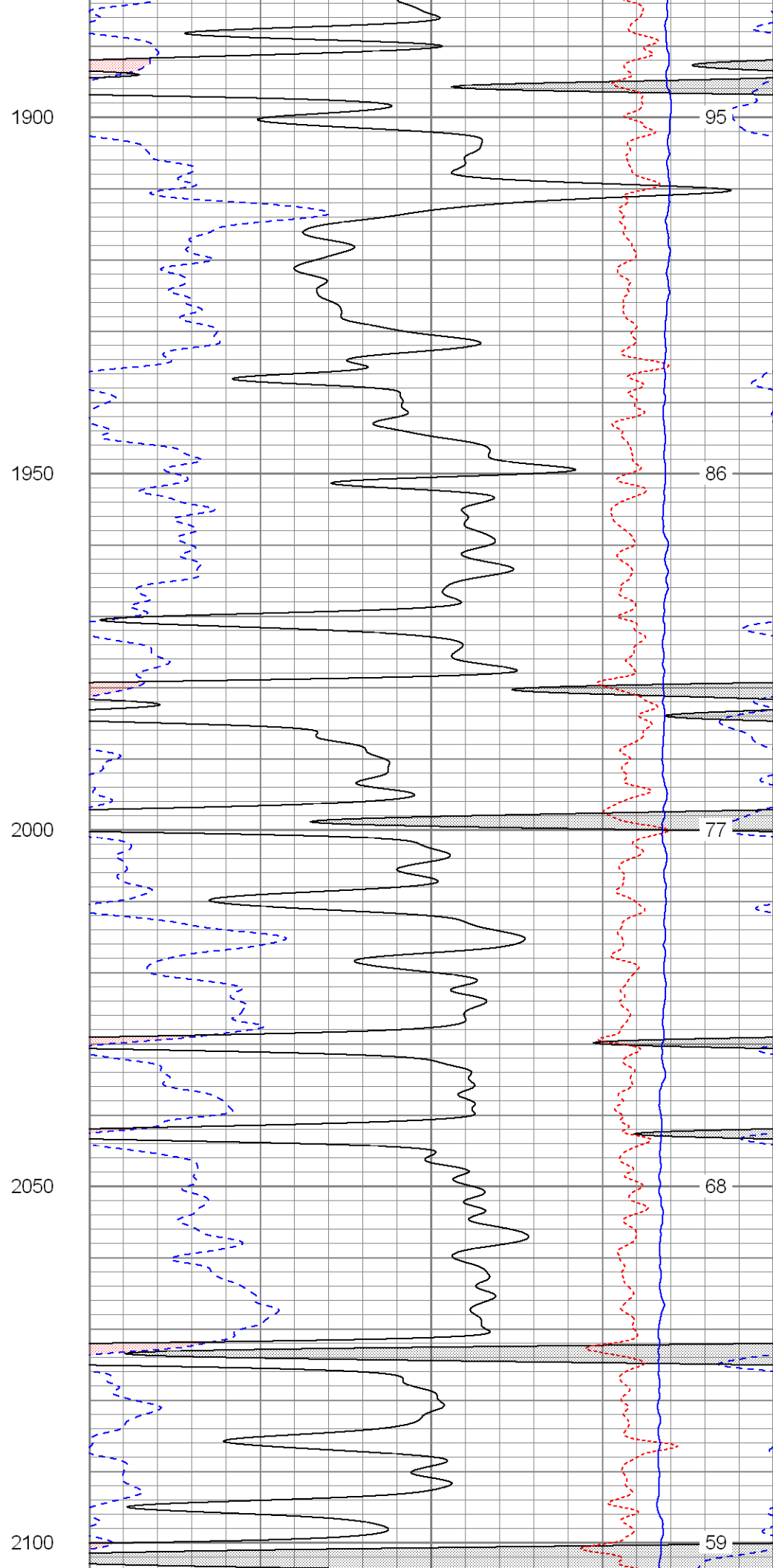
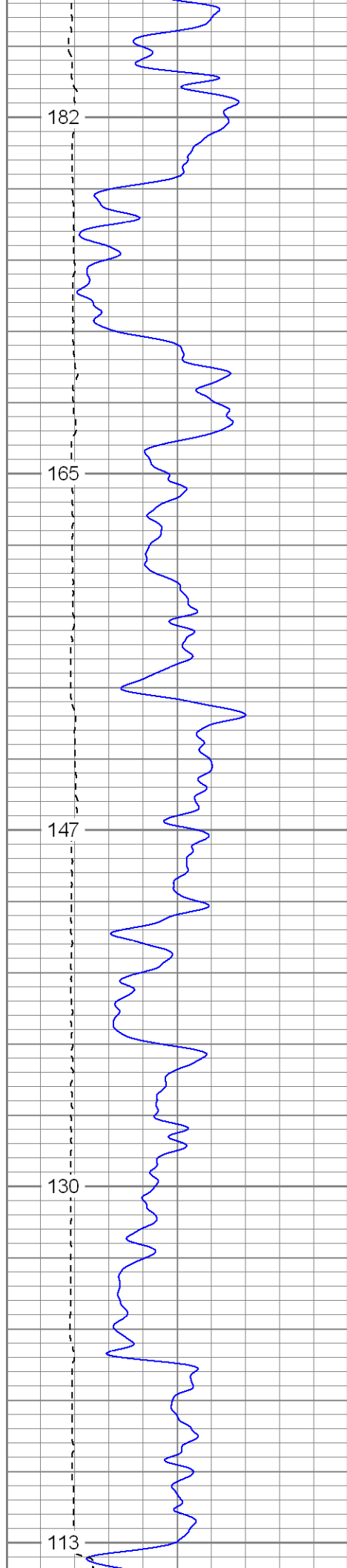


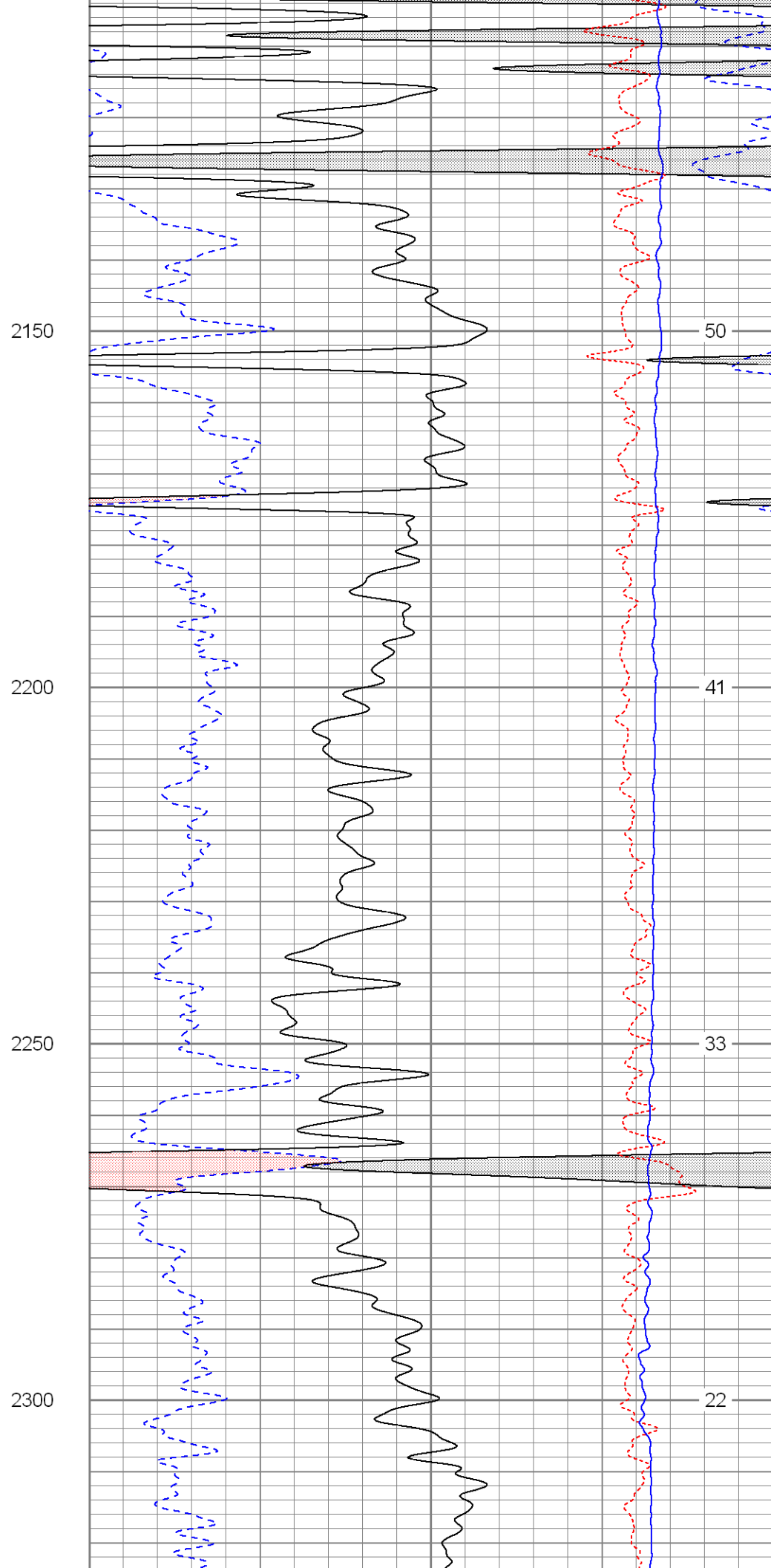
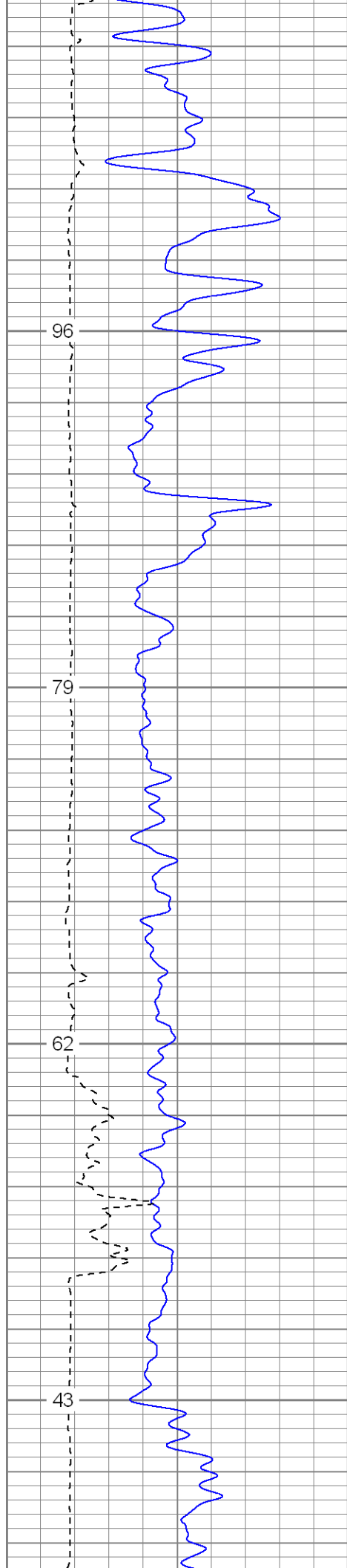


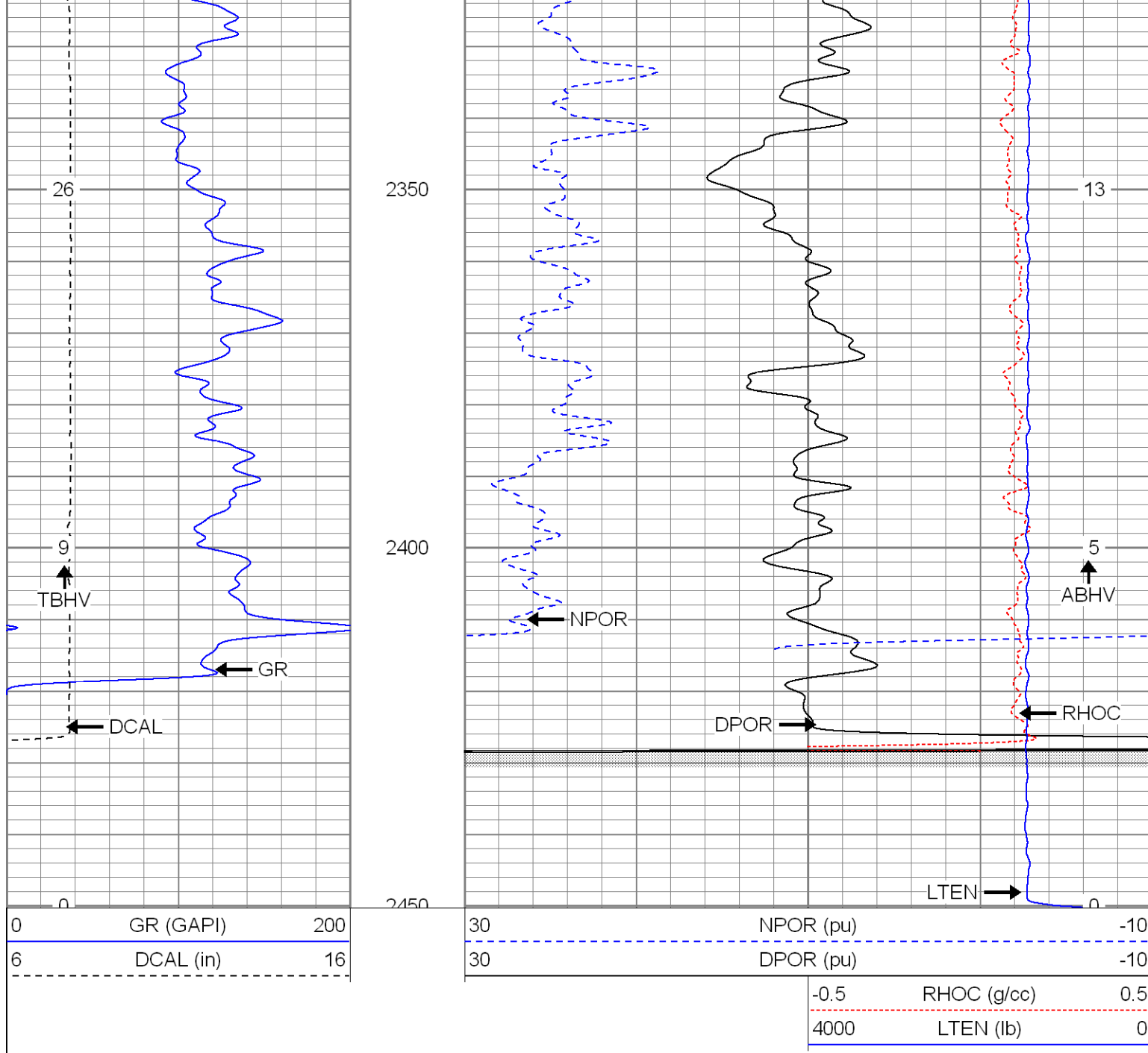












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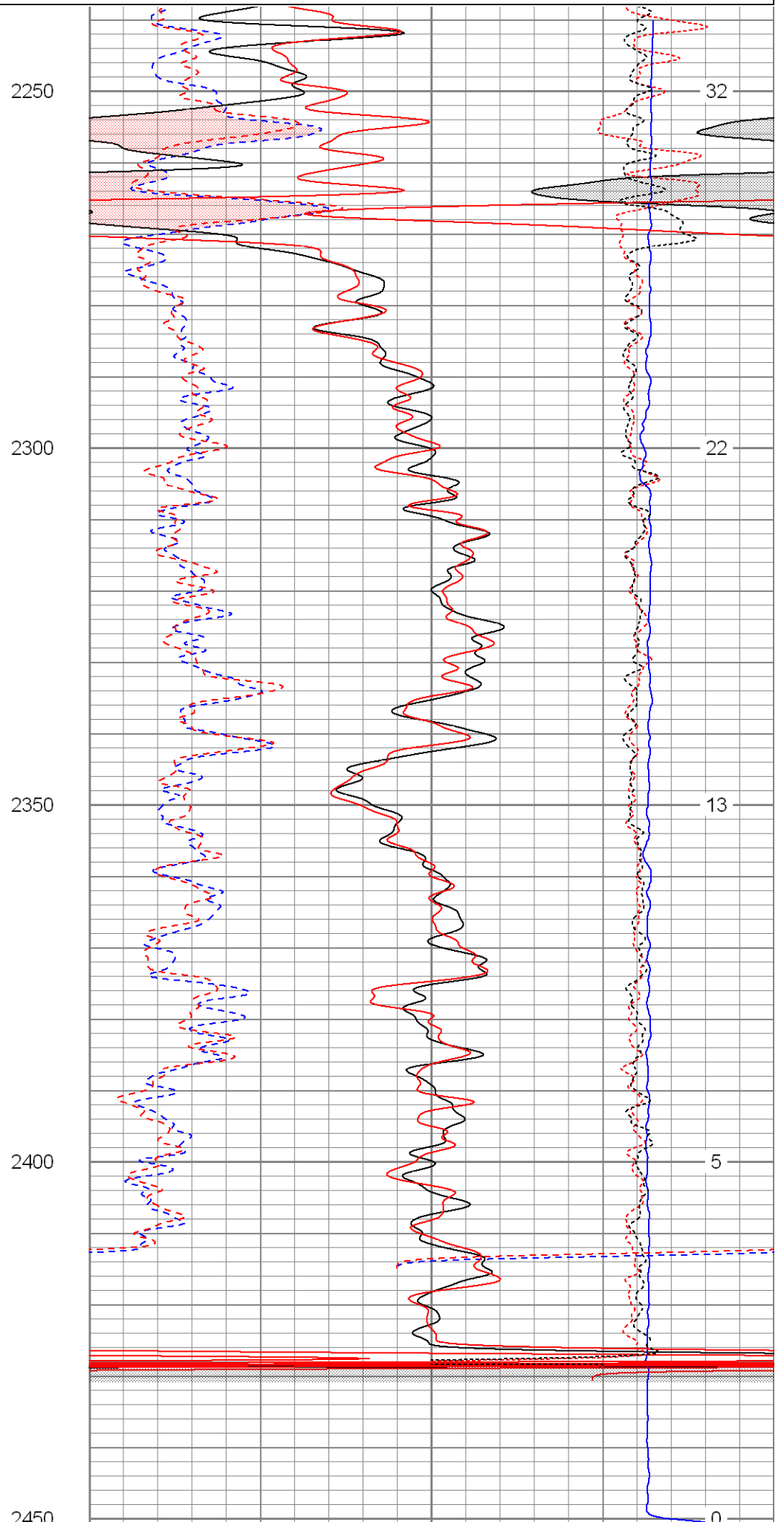
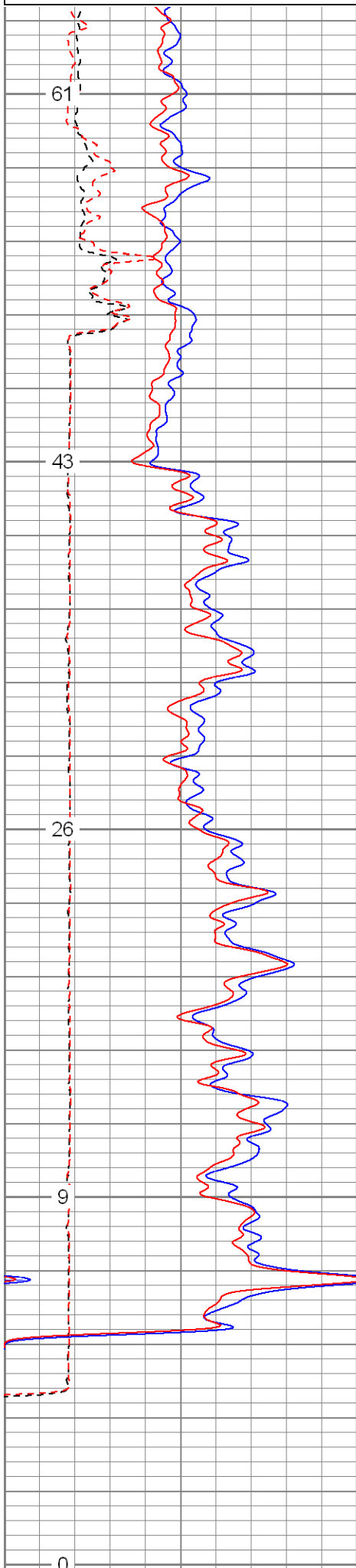
Repeat Section

Database File: xtoge3106.db
Dataset Pathname: pass1.1
Presentation Format: cdnl
Dataset Creation: Wed Jun 20 18:43:48 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200
6	DCAL (in)	16
0	GR-repeat (GAPI)	200
6	DCAL-repeat (in)	16

30	NPOR (pu)	-10
30	DPOR (pu)	-10
30	NPOR-repeat (pu)	-10
30	DPOR-repeat (pu)	-10

-0.5	RHOC (g/cc)	0.5
4000	LTEN (lb)	0



0	GR (GAPI)	200
6	DCAL (in)	16
0	GR-repeat (GAPI)	200
6	DCAL-repeat (in)	16

30	NPOR (pu)	-10	
30	DPOR (pu)	-10	
30	NPOR-repeat (pu)	-10	
30	DPOR-repeat (pu)	-10	
	-0.5	RHOC (g/cc)	0.5
4000	LTEN (lb)	0	
	-0.5	RHOC-repeat (g/cc)	0.5



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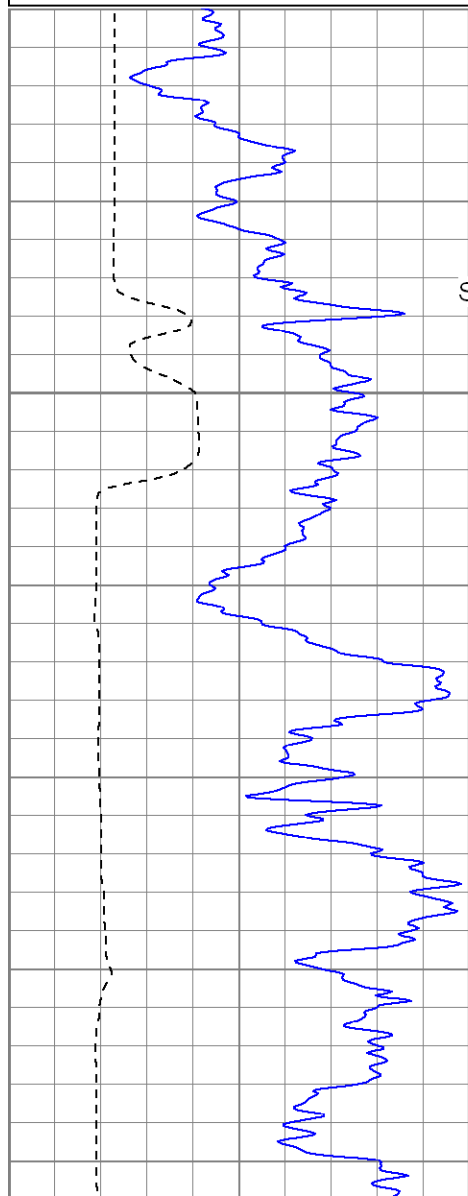
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High Resolution Pass

Database File: xtoge3106.db
Dataset Pathname: pass2.2
Presentation Format: cdlhr
Dataset Creation: Thu Jun 21 08:29:32 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:120

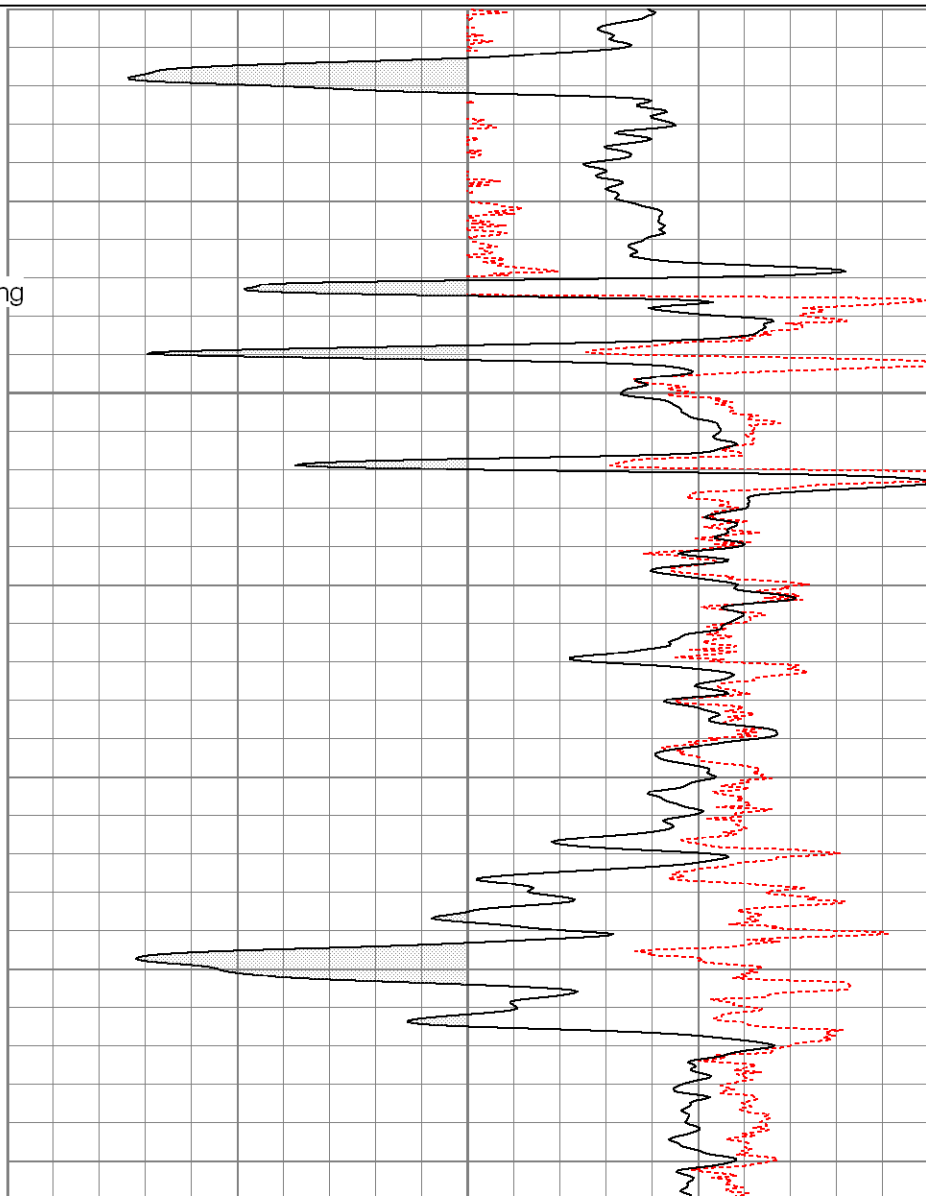
0	GR (GAPI)	200
6	DCAL (in)	16

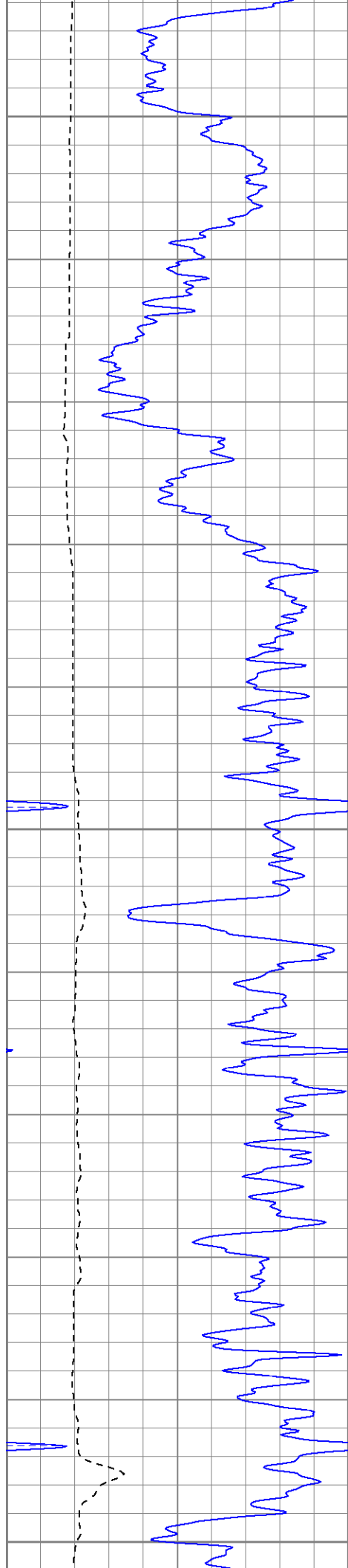
1	RHOB (g/cc)		3
	-0.5	RHOC (g/cc)	0.5



Surface Casing

500

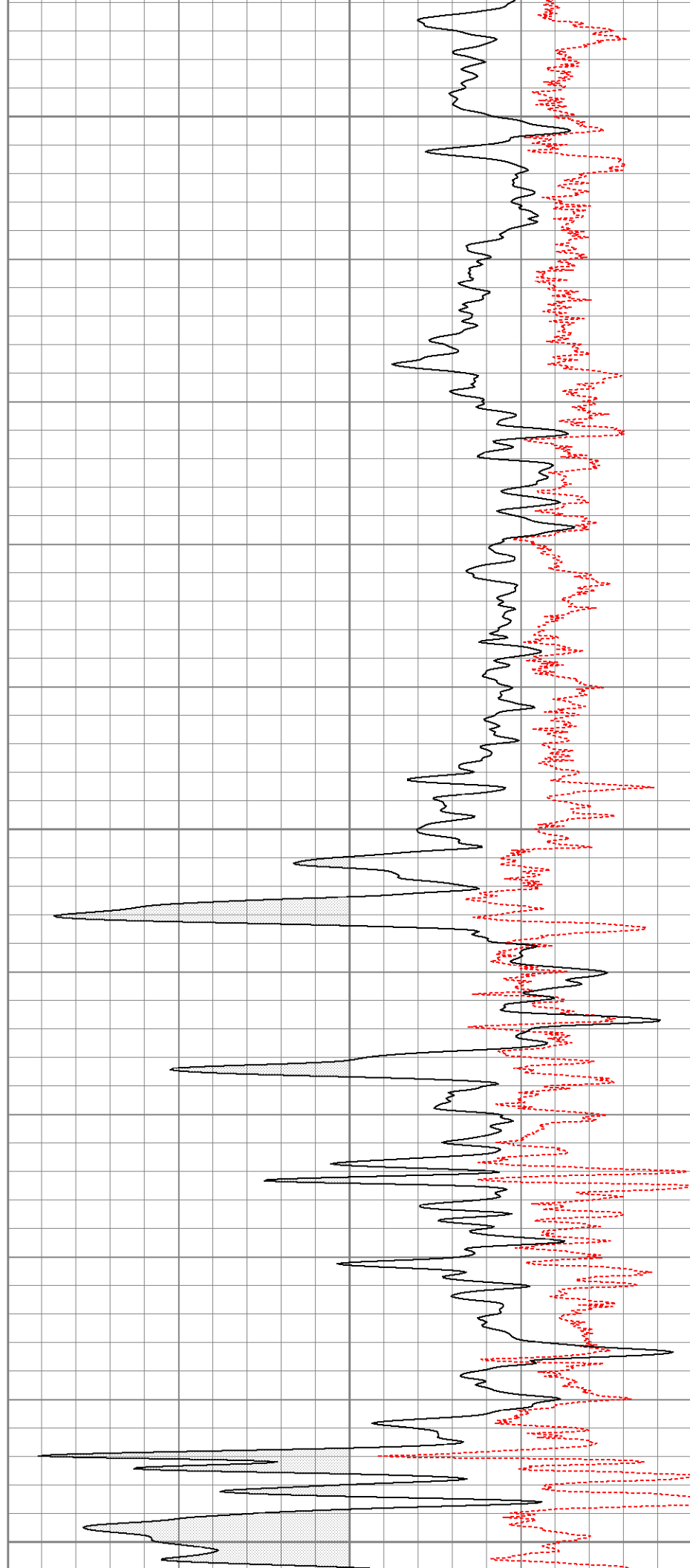


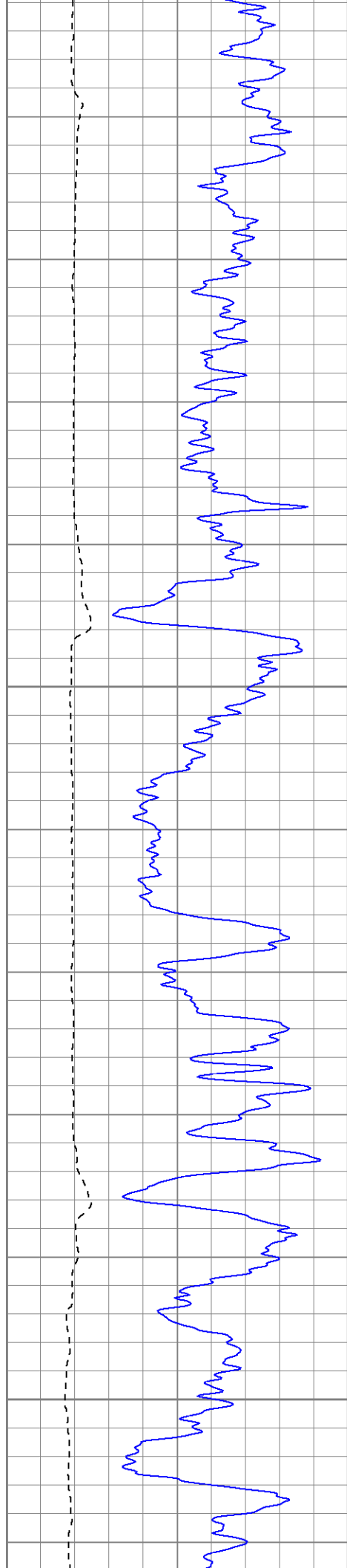


550

600

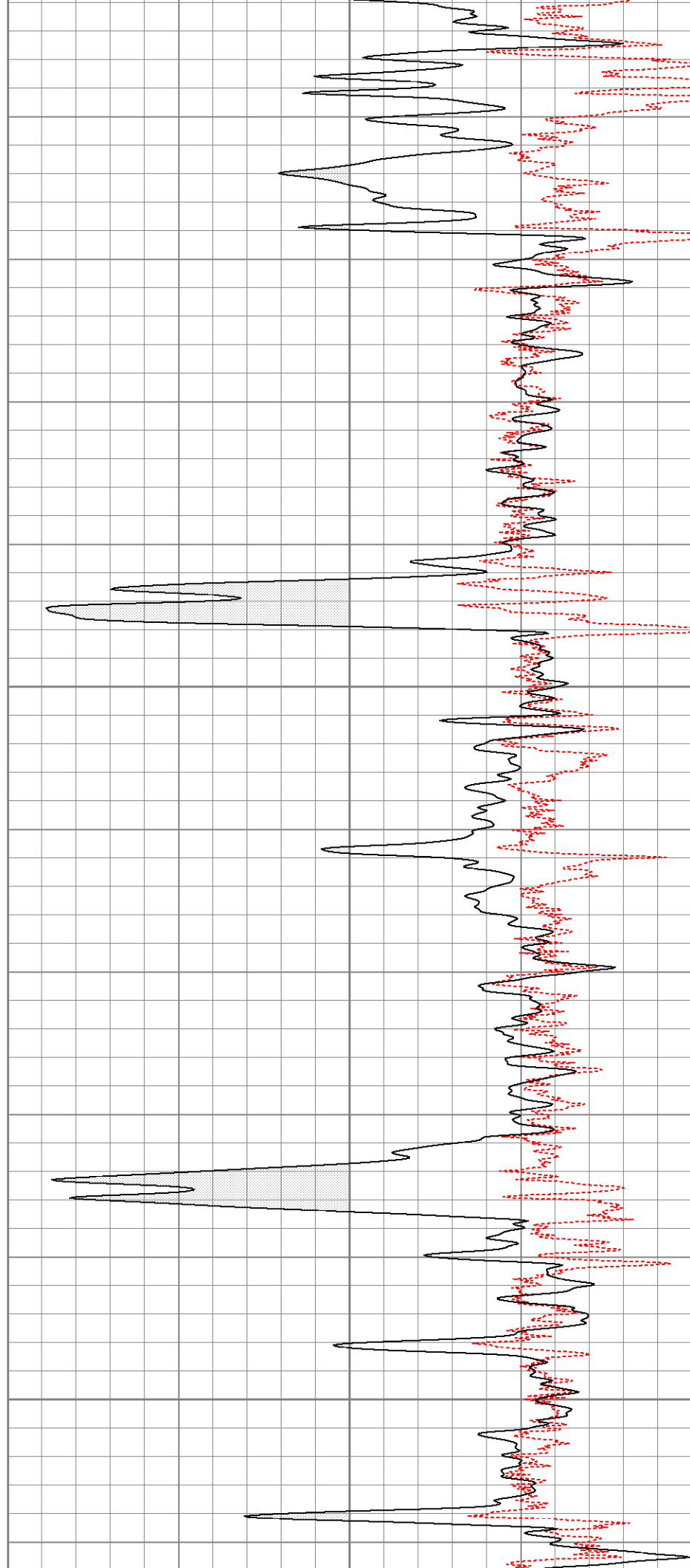
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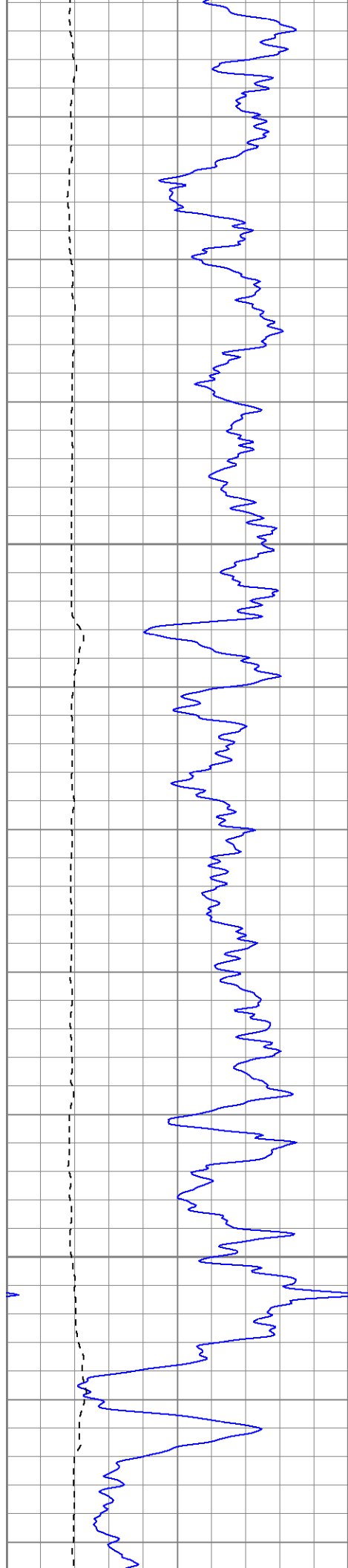




700

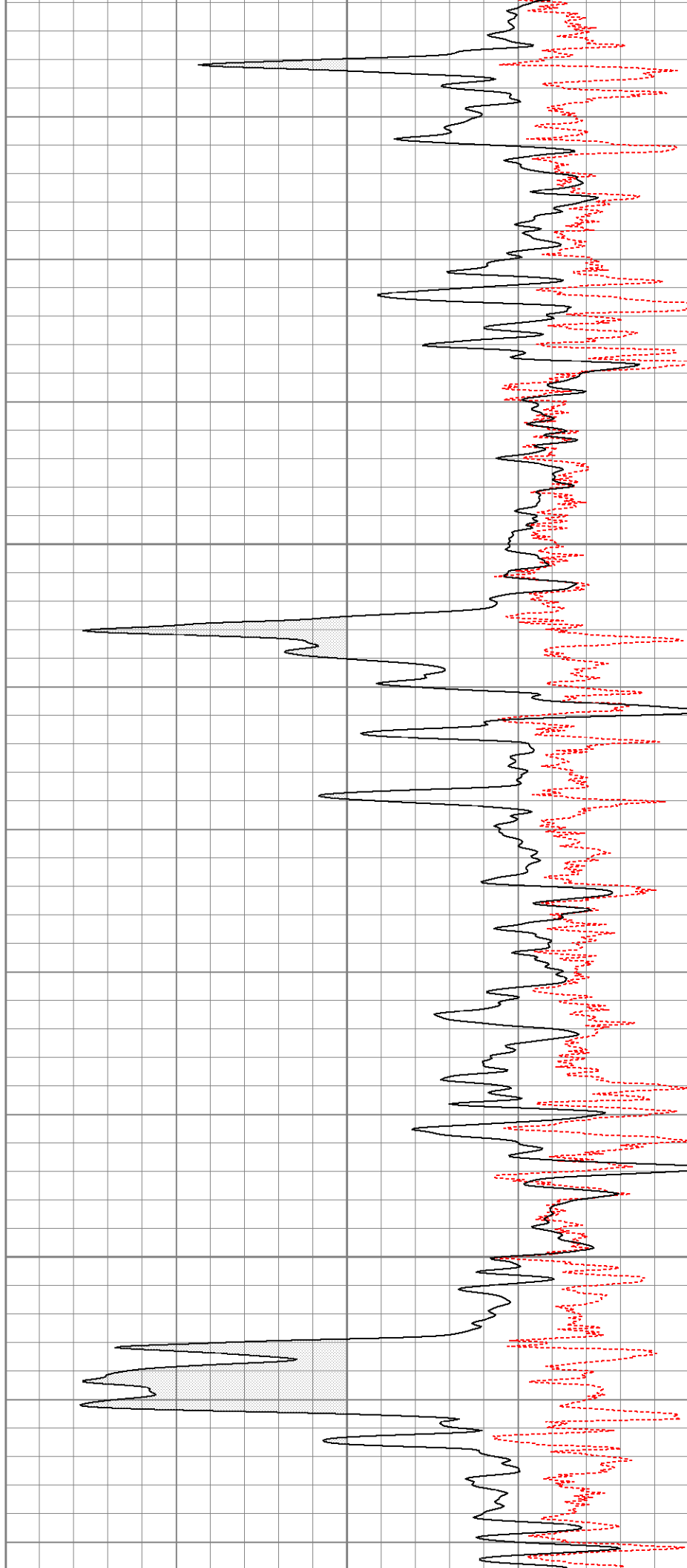
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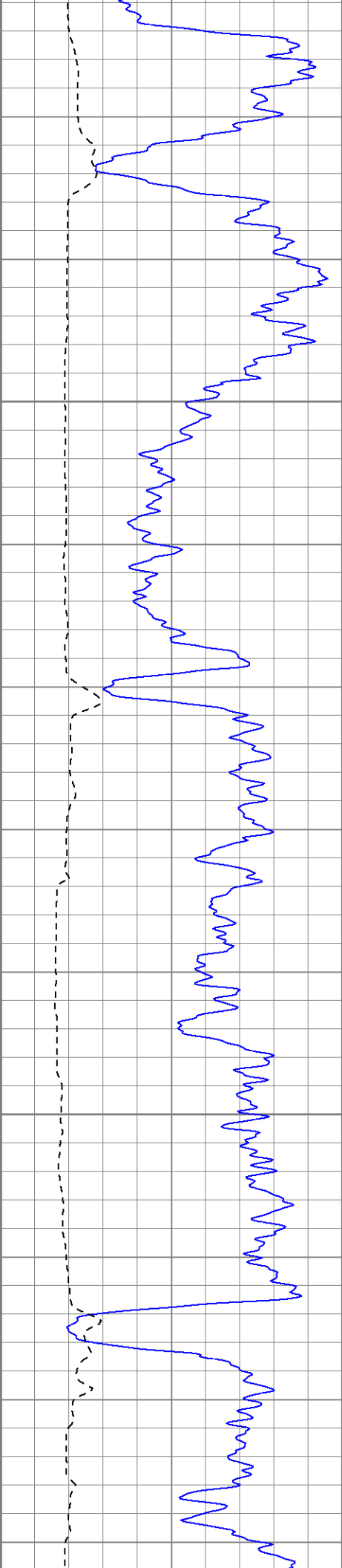




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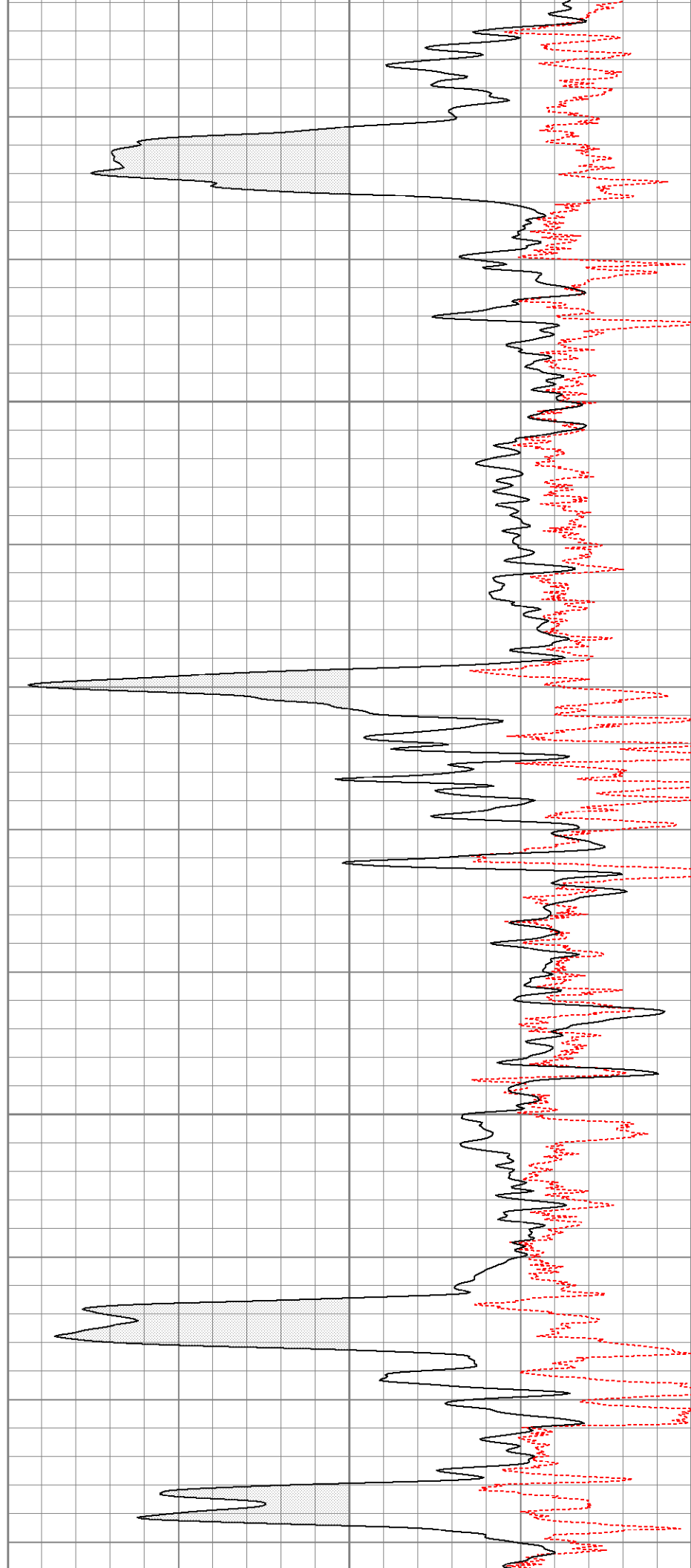
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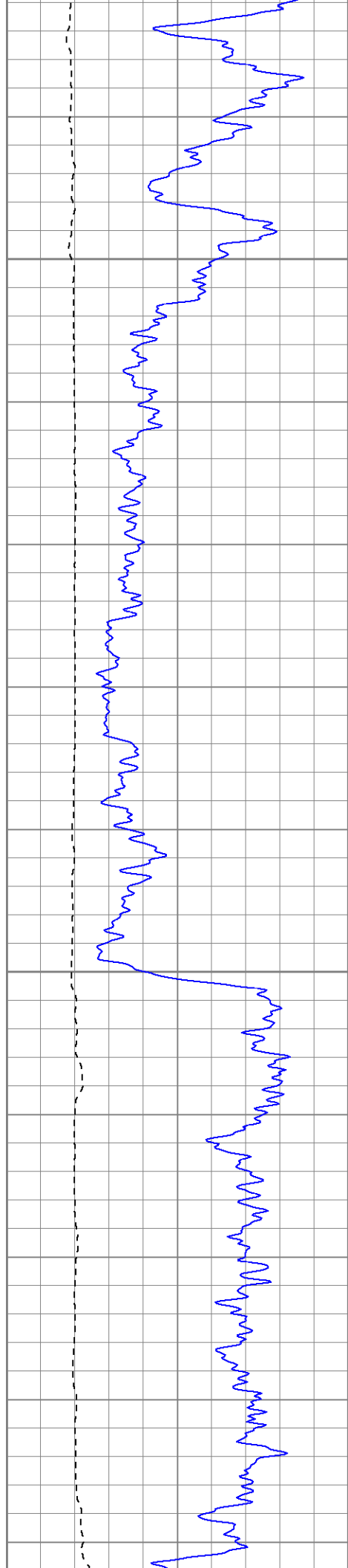




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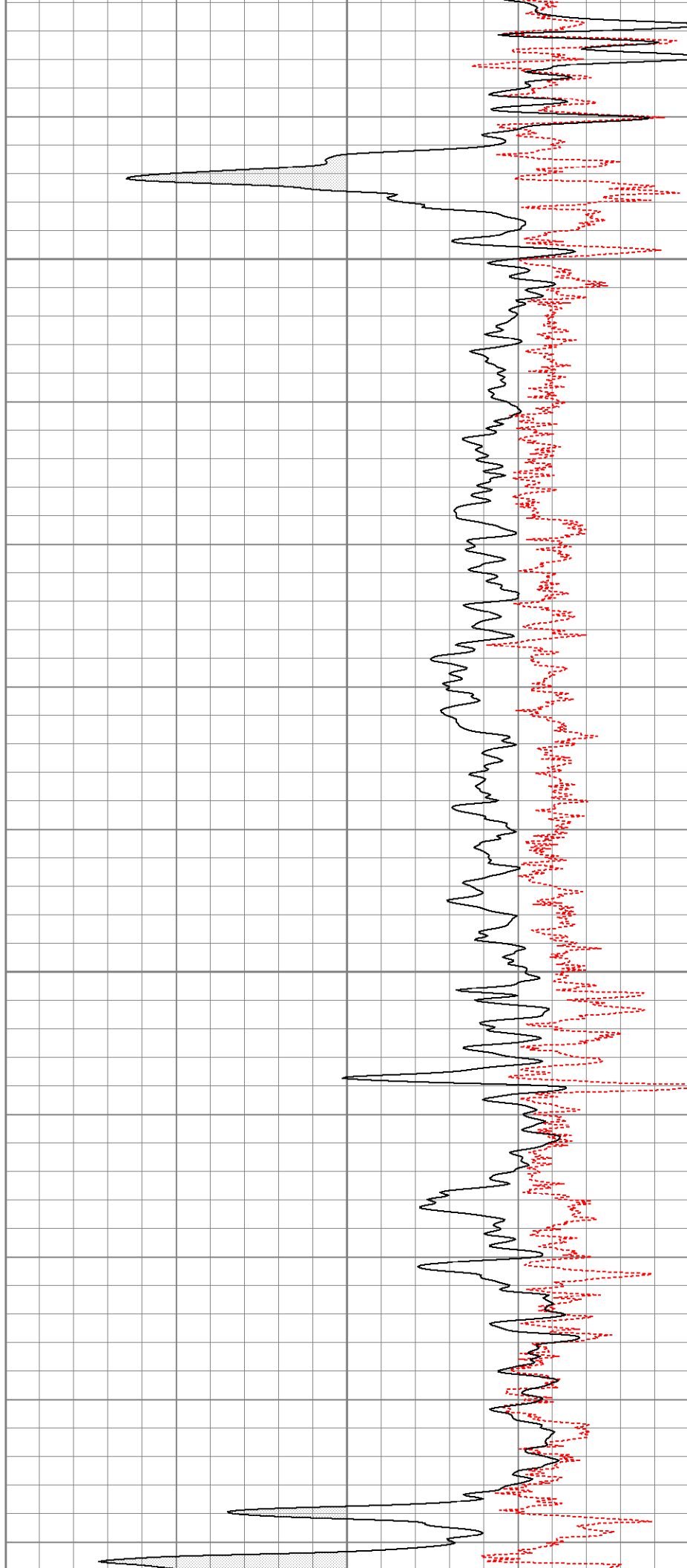
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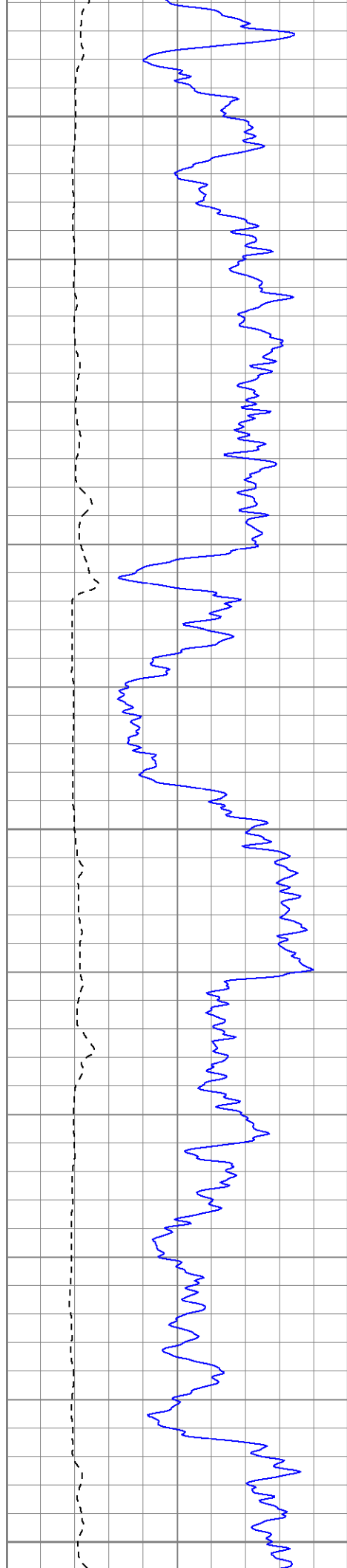




1000

1050

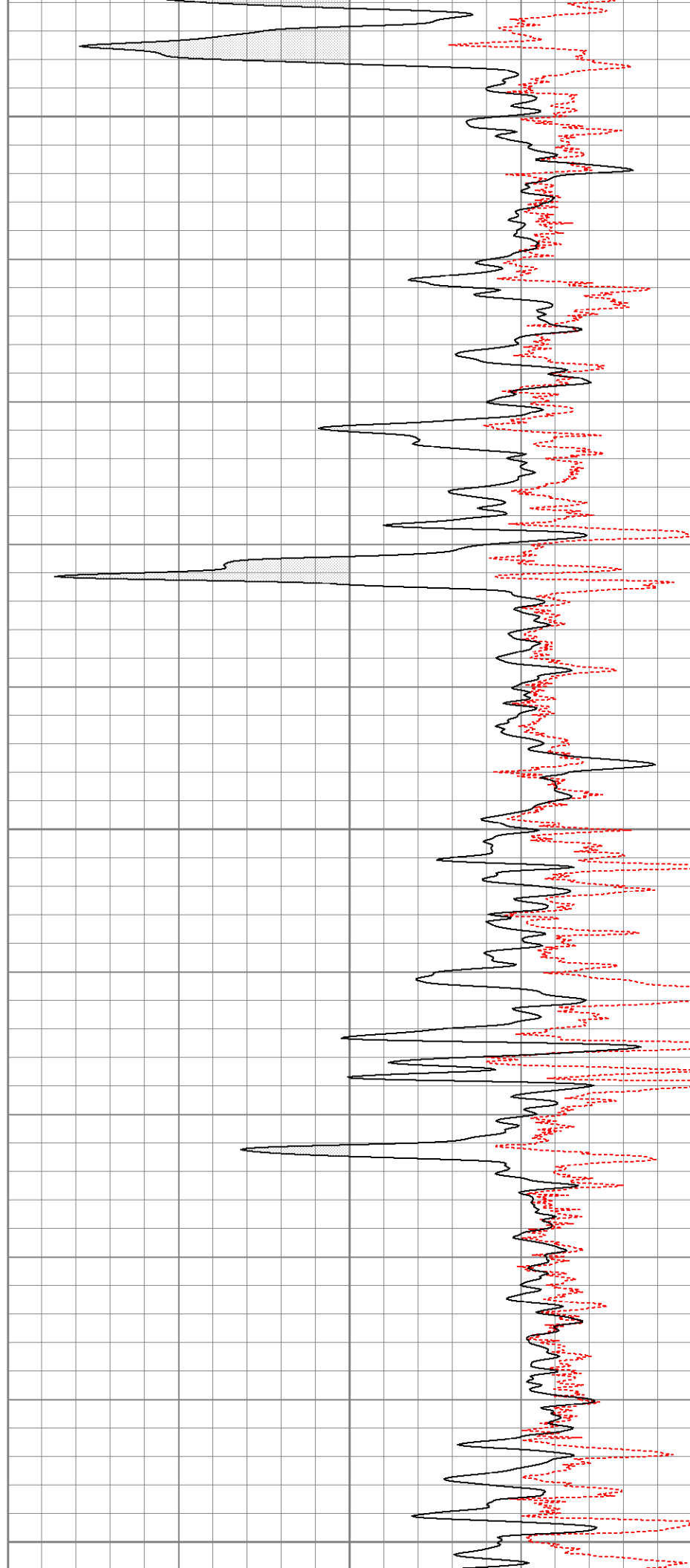


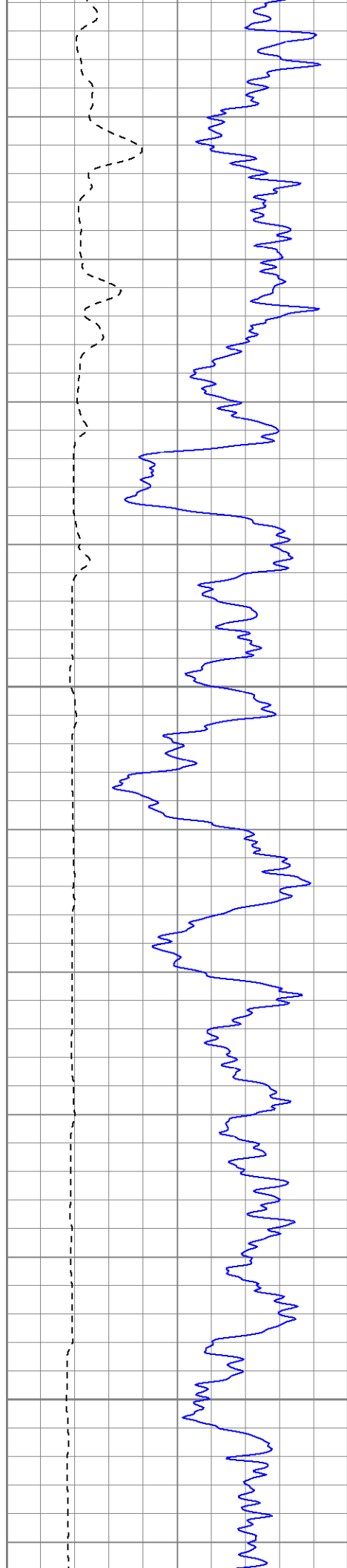


1100

1150

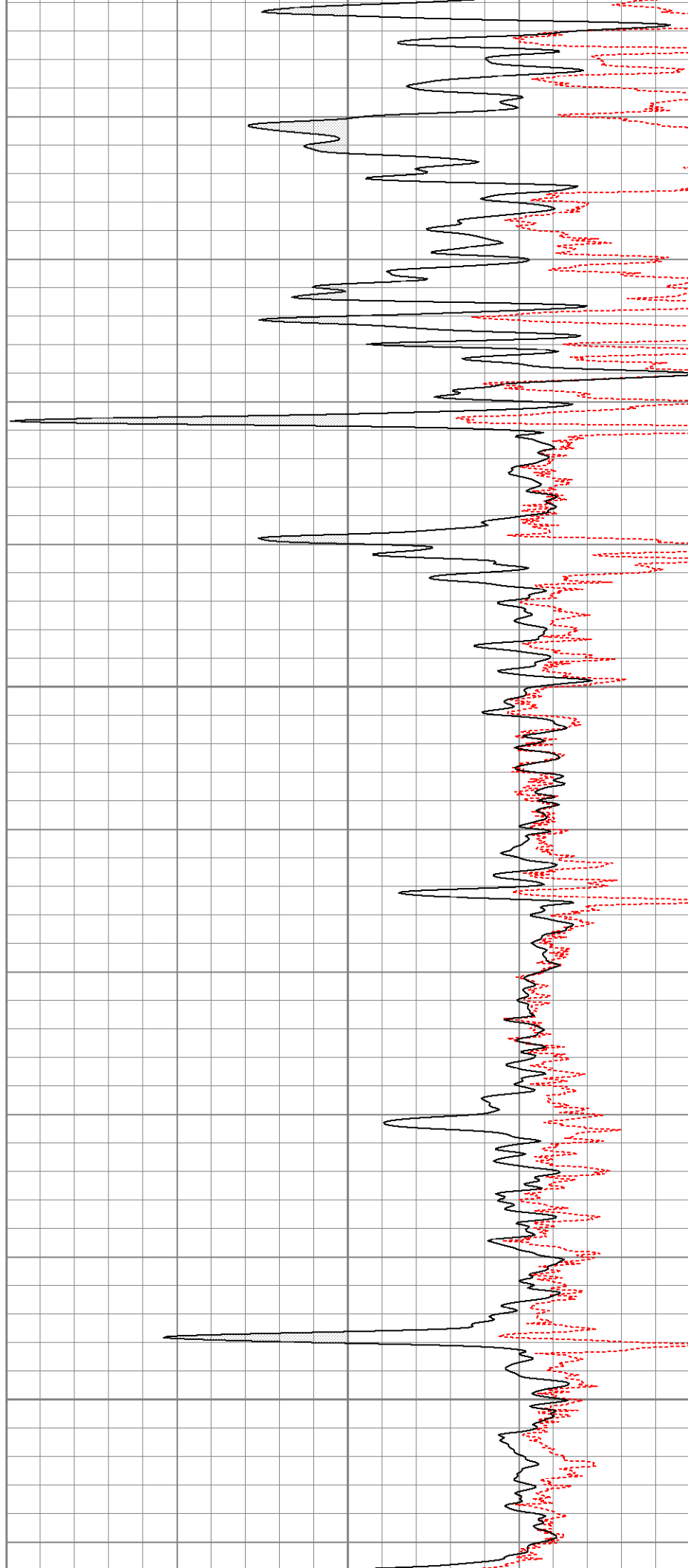
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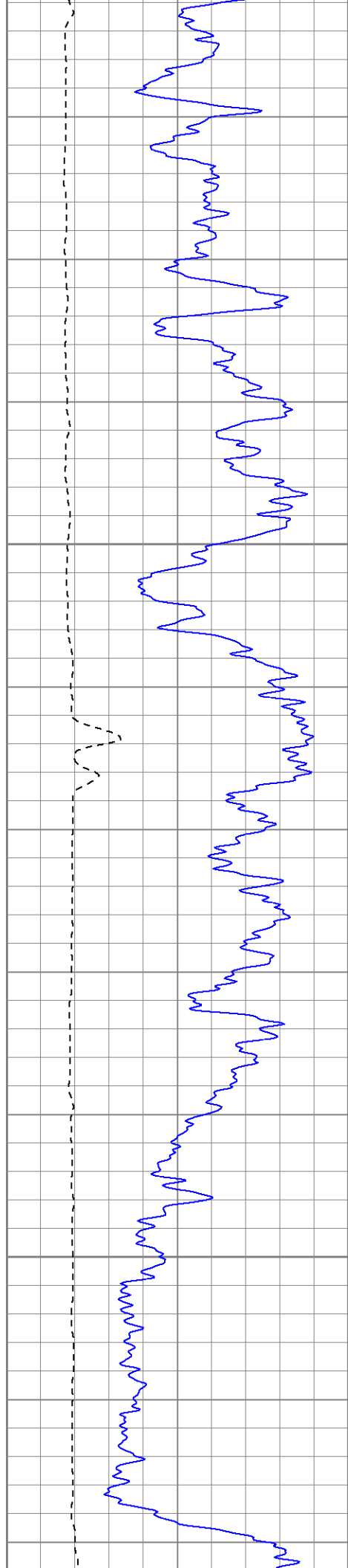




1250

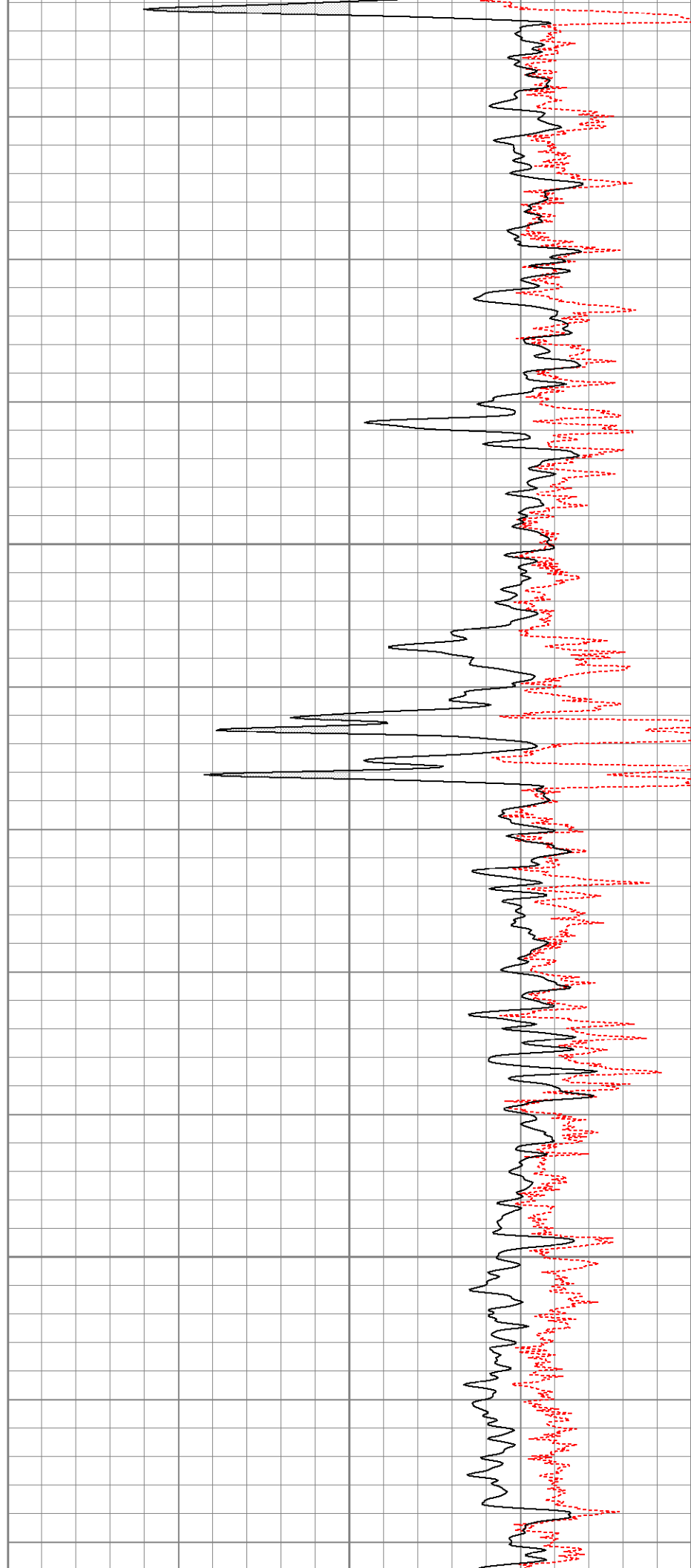
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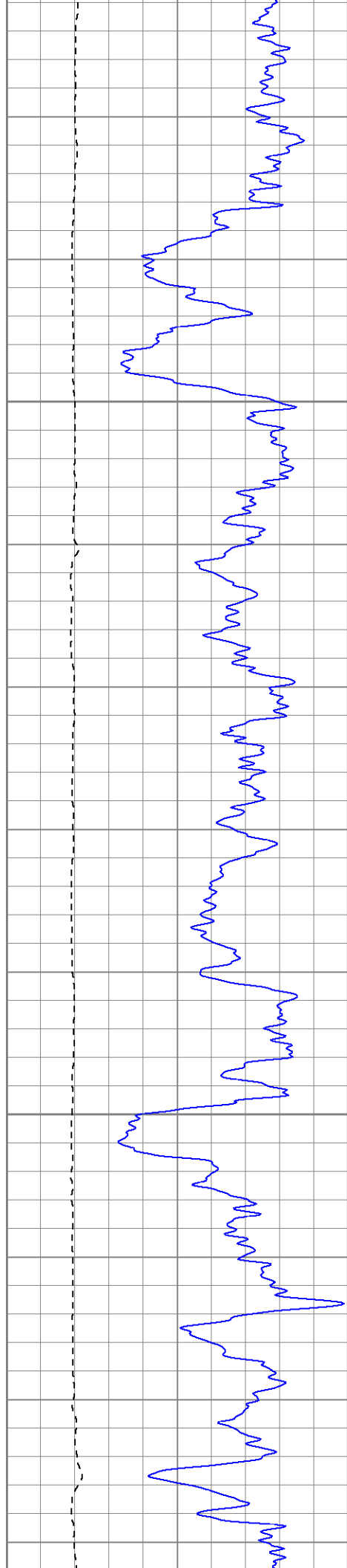




1350

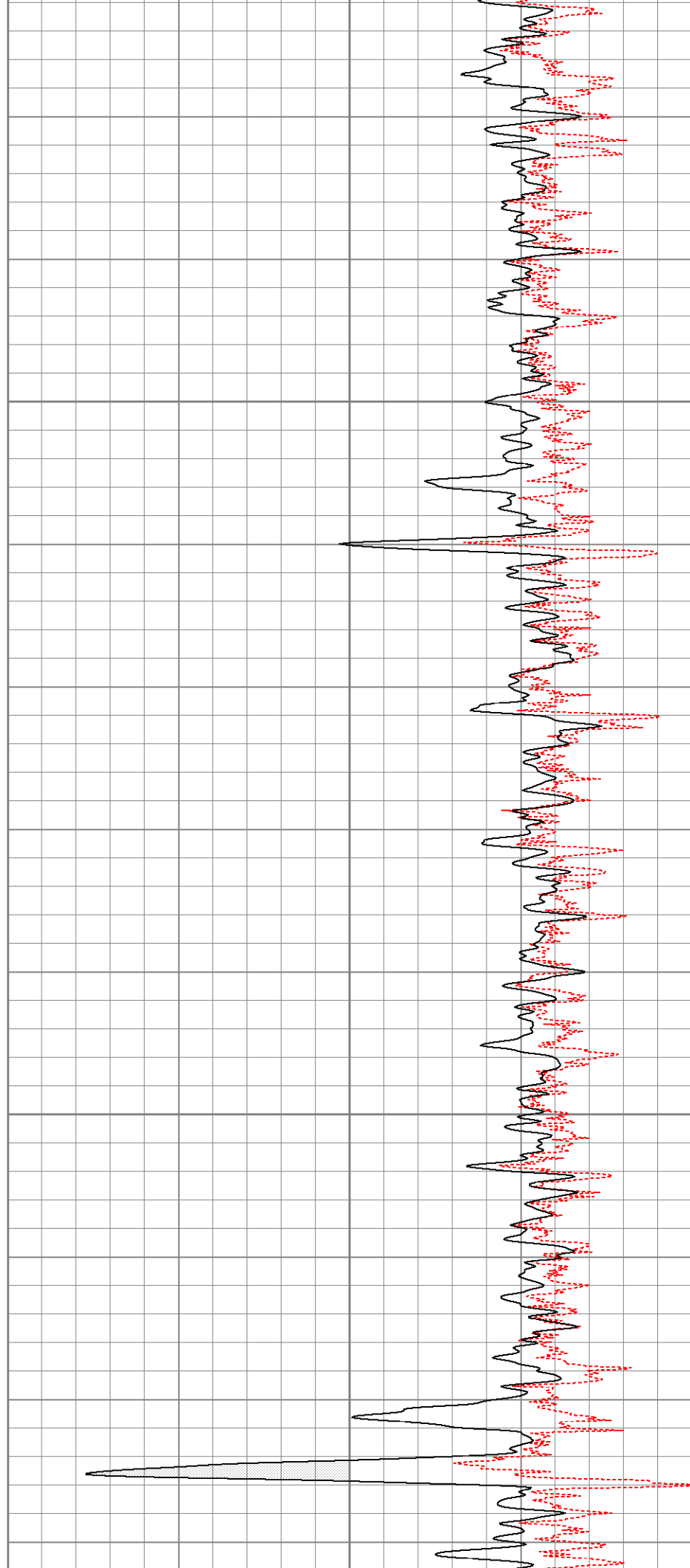
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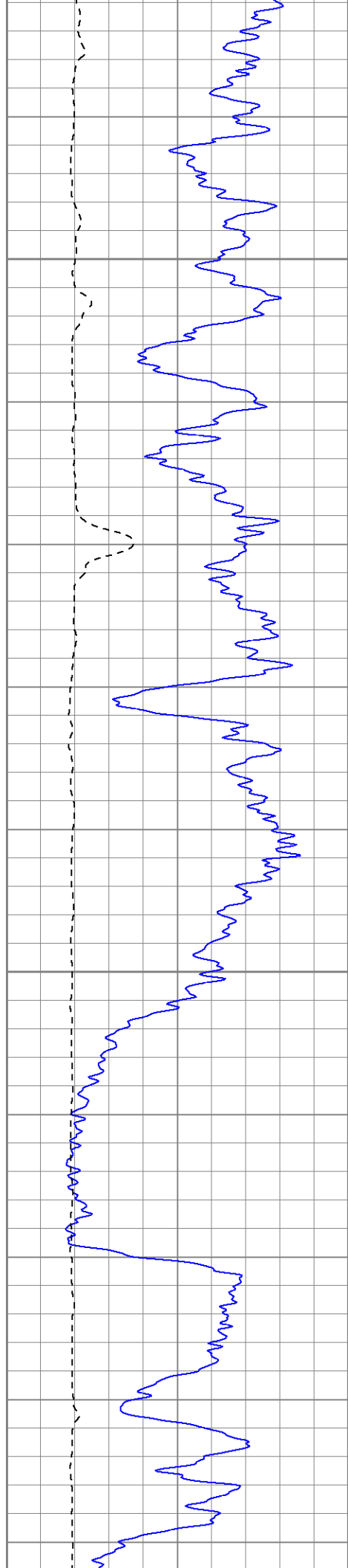




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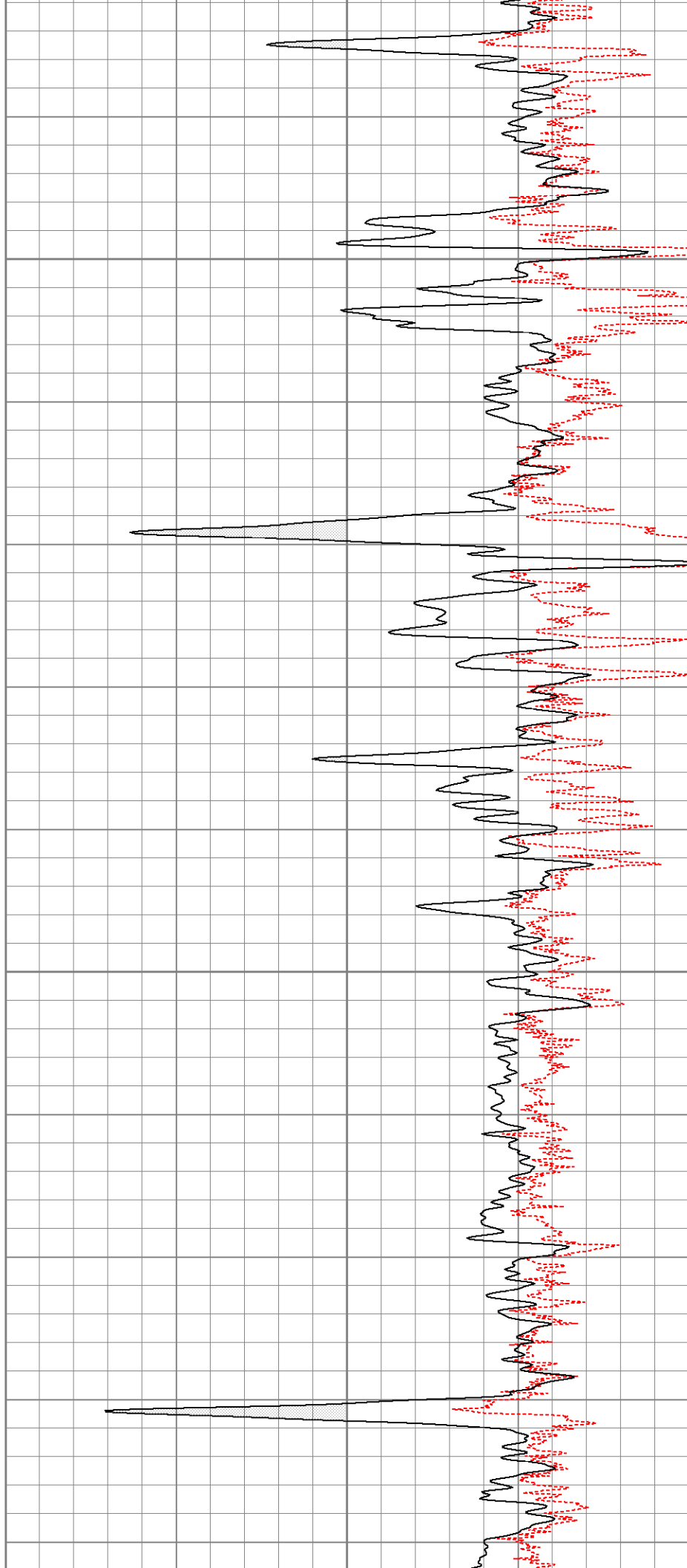
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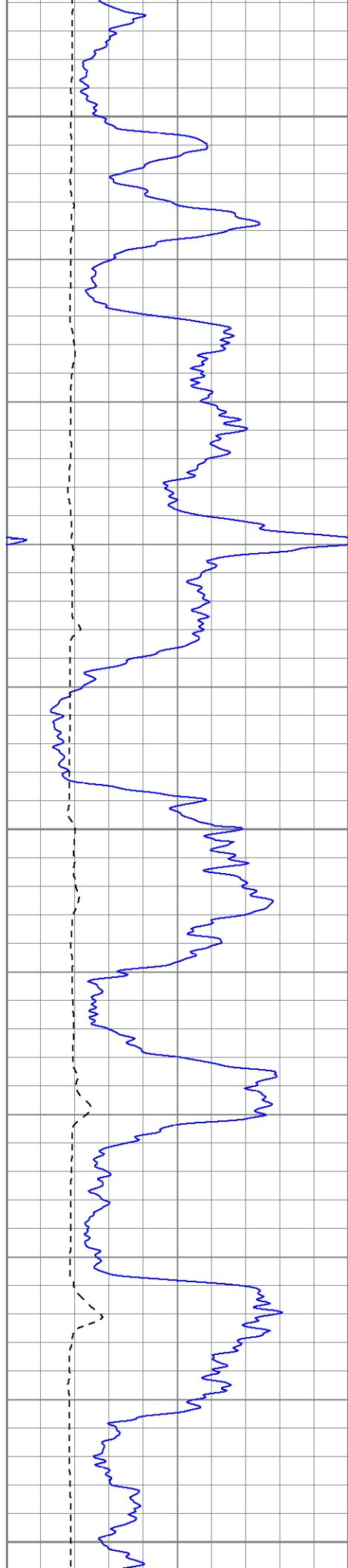




1550

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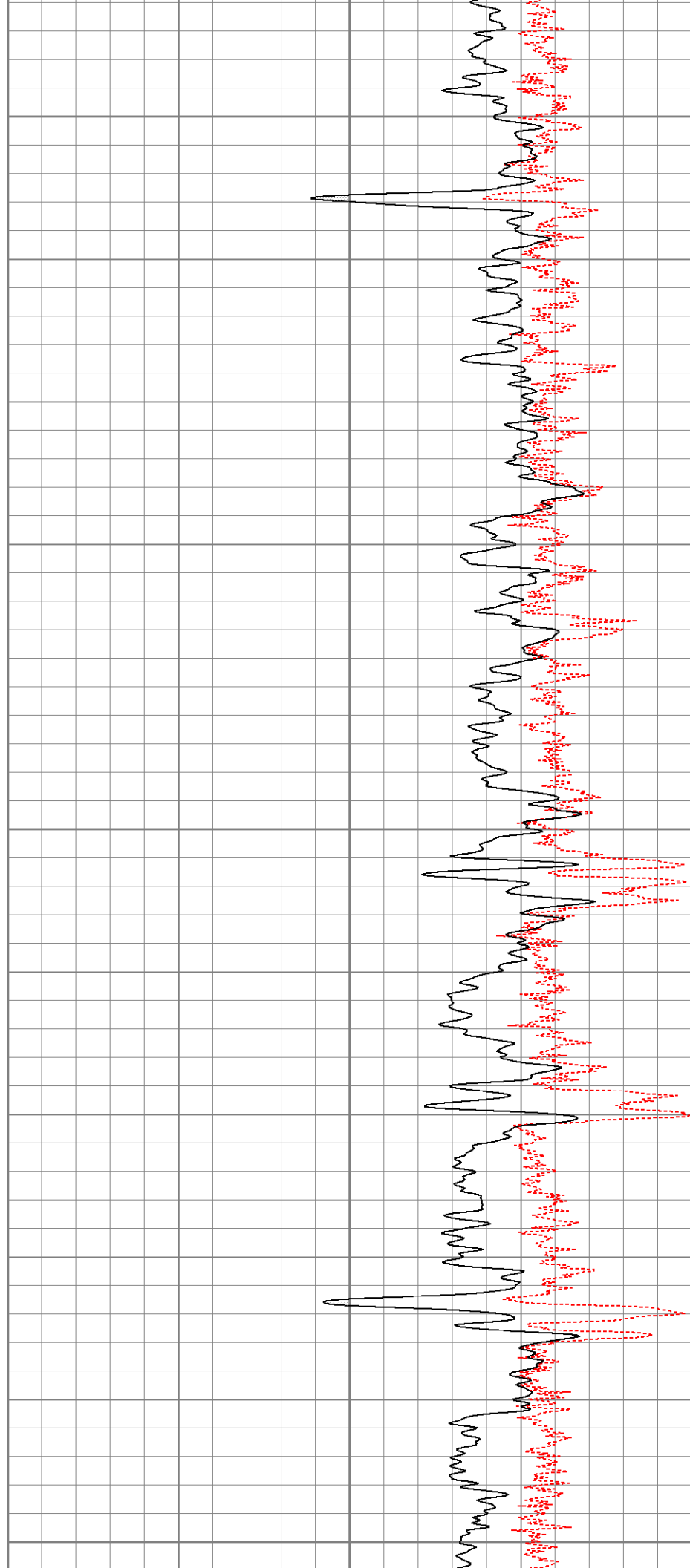


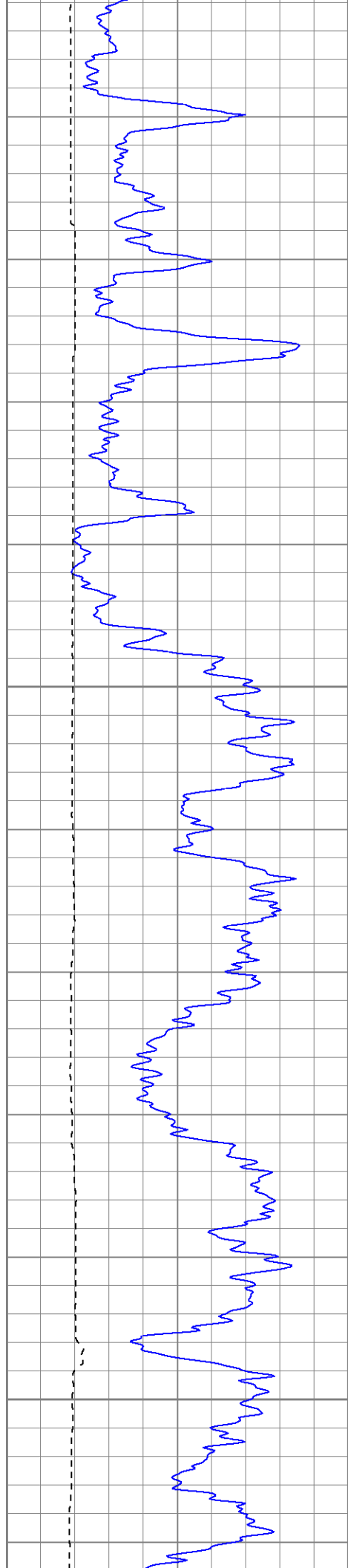


1650

1700

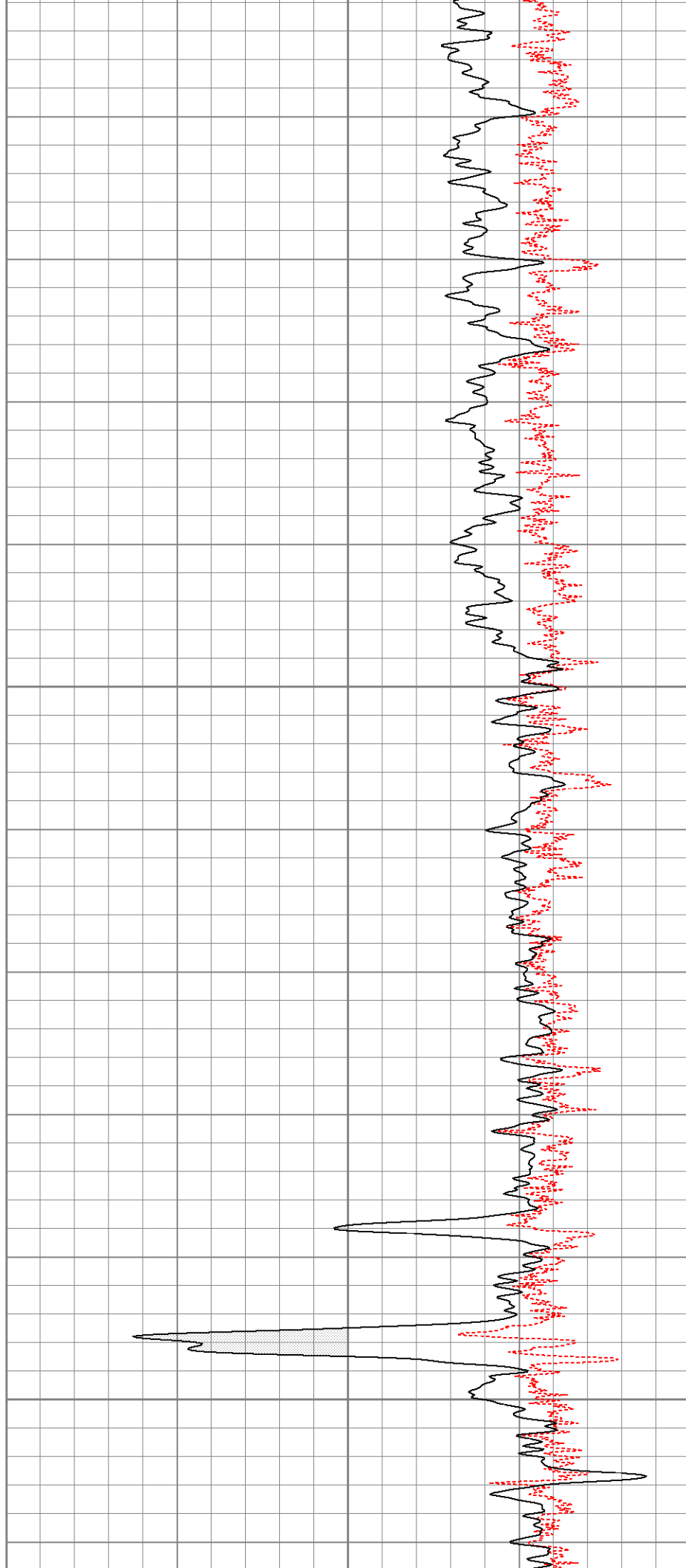
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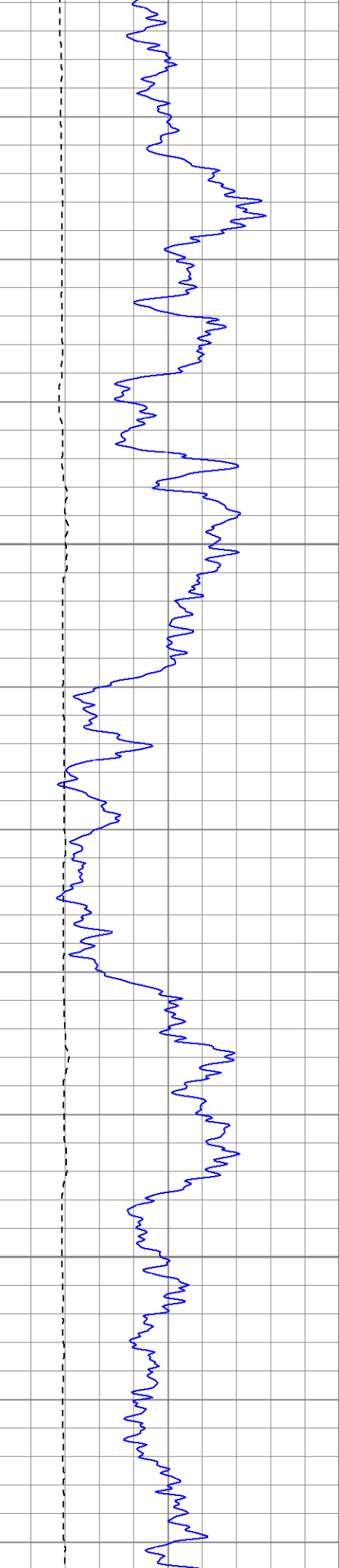




1800

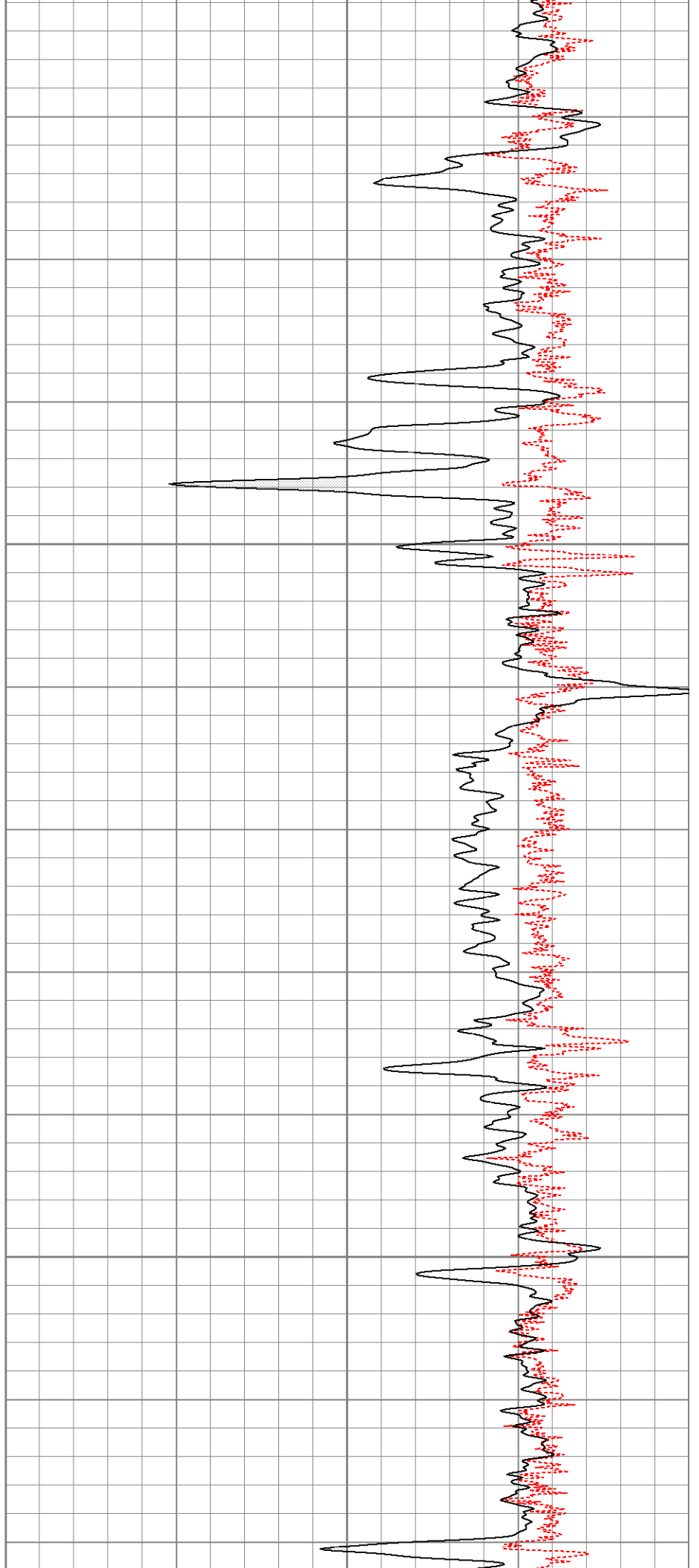
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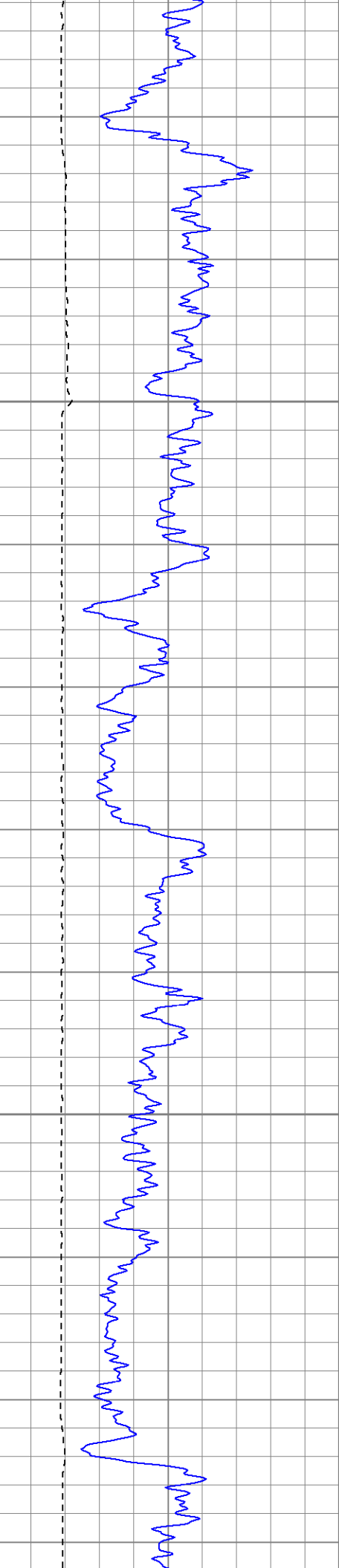




1900

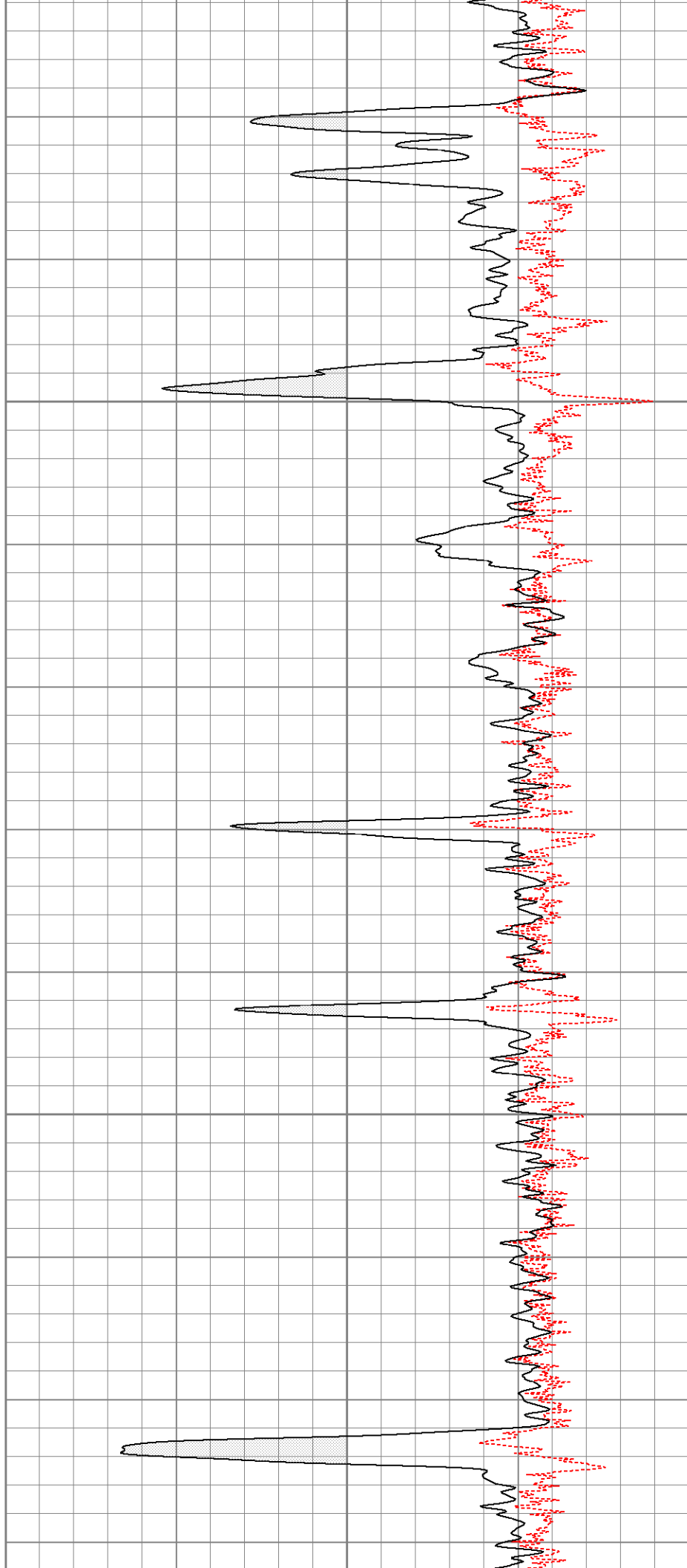
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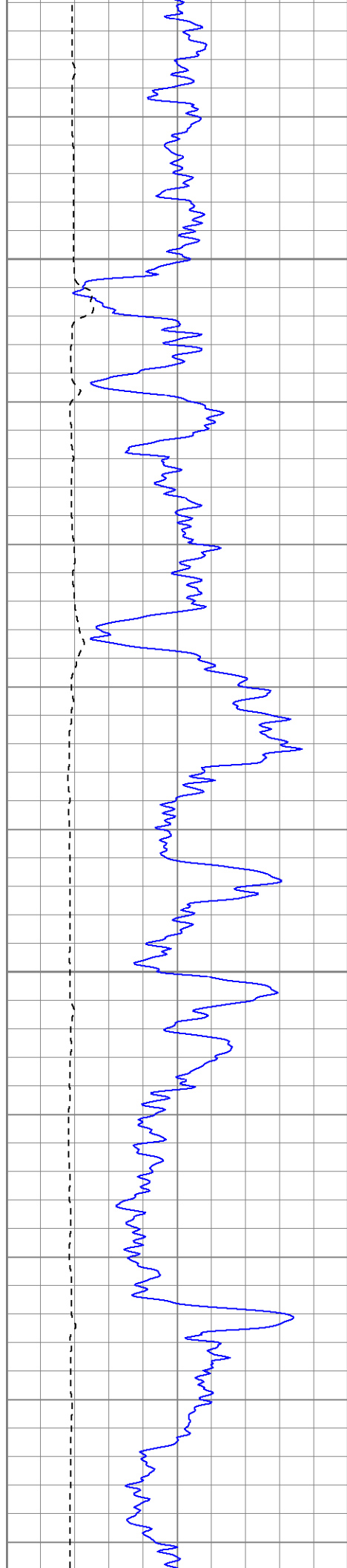




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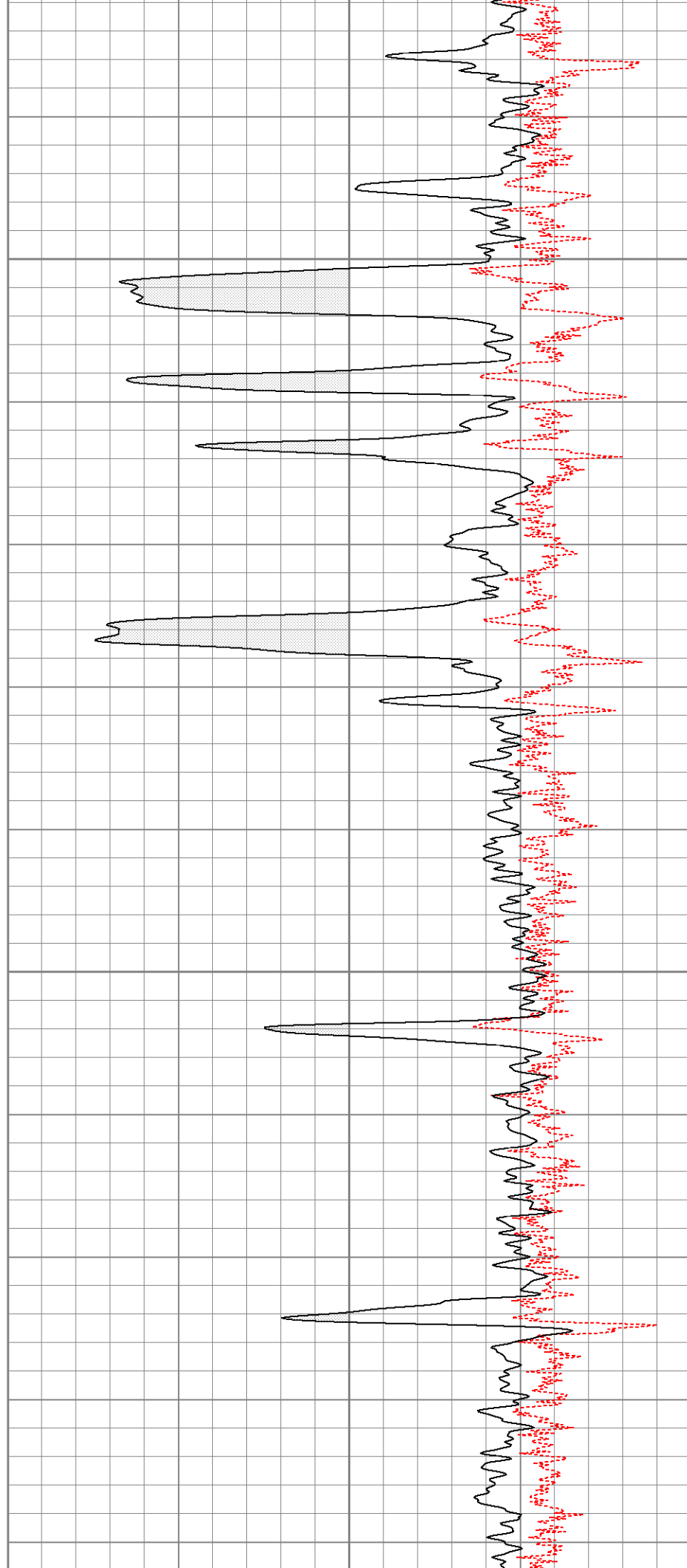
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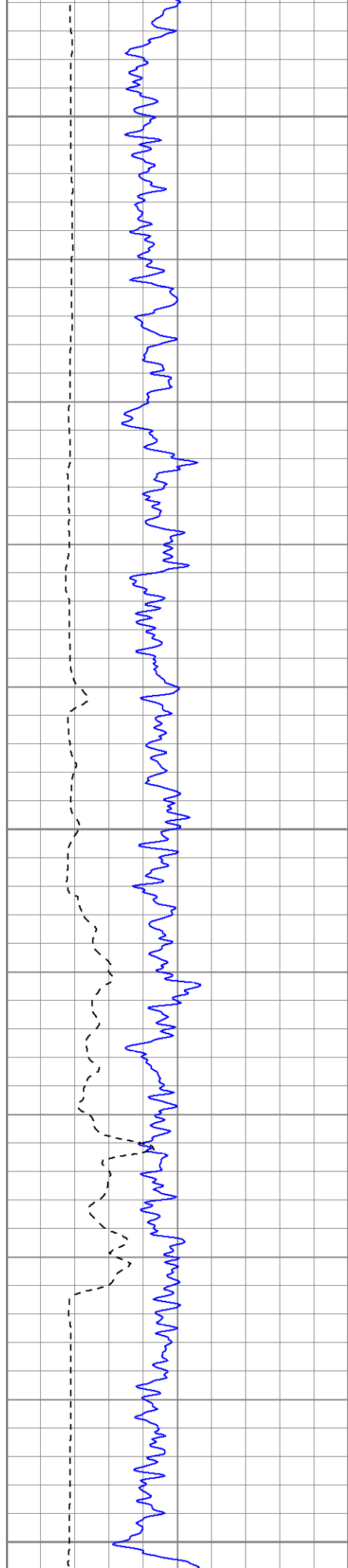




2100

2150

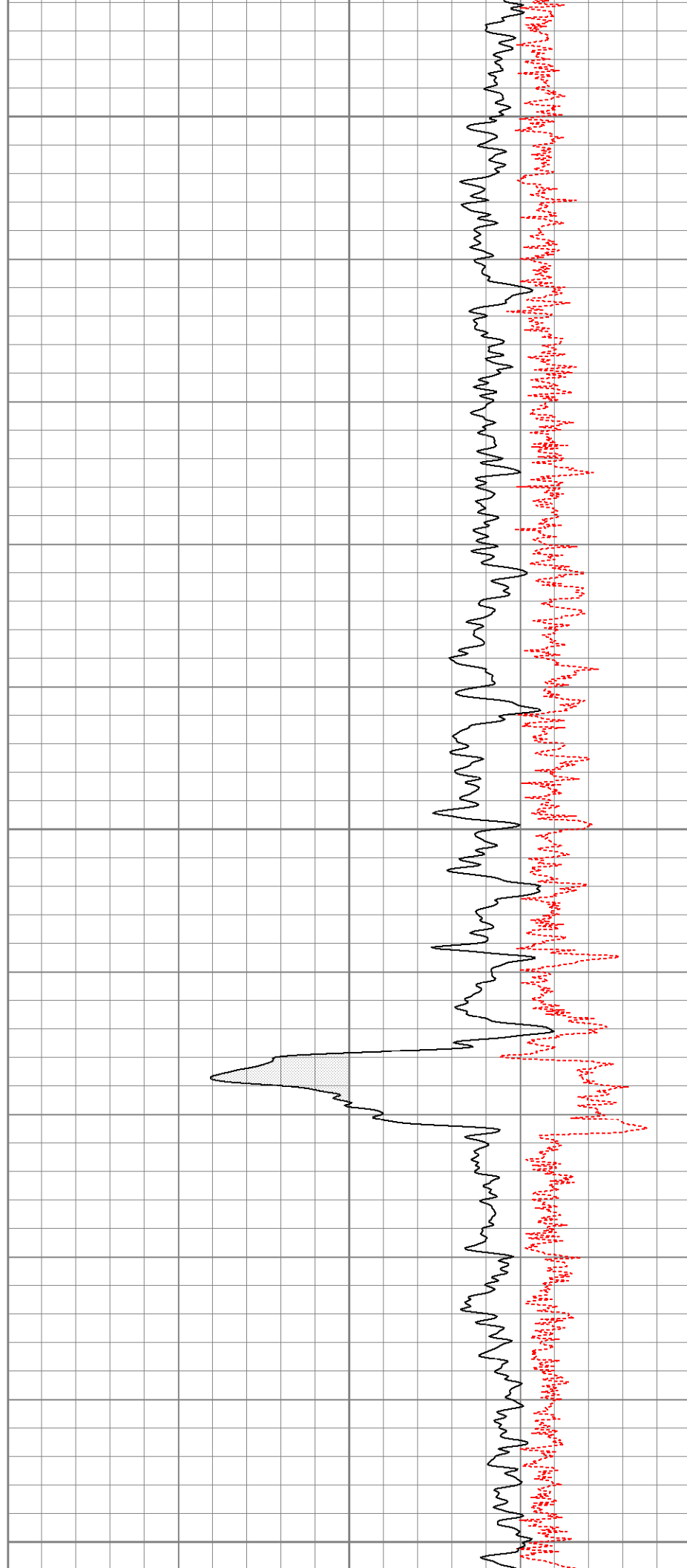


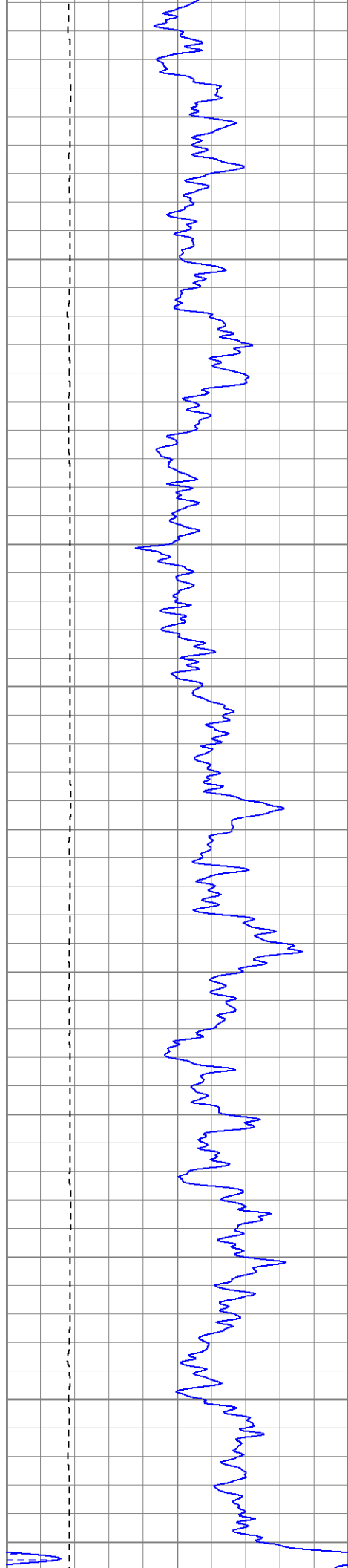


2200

2250

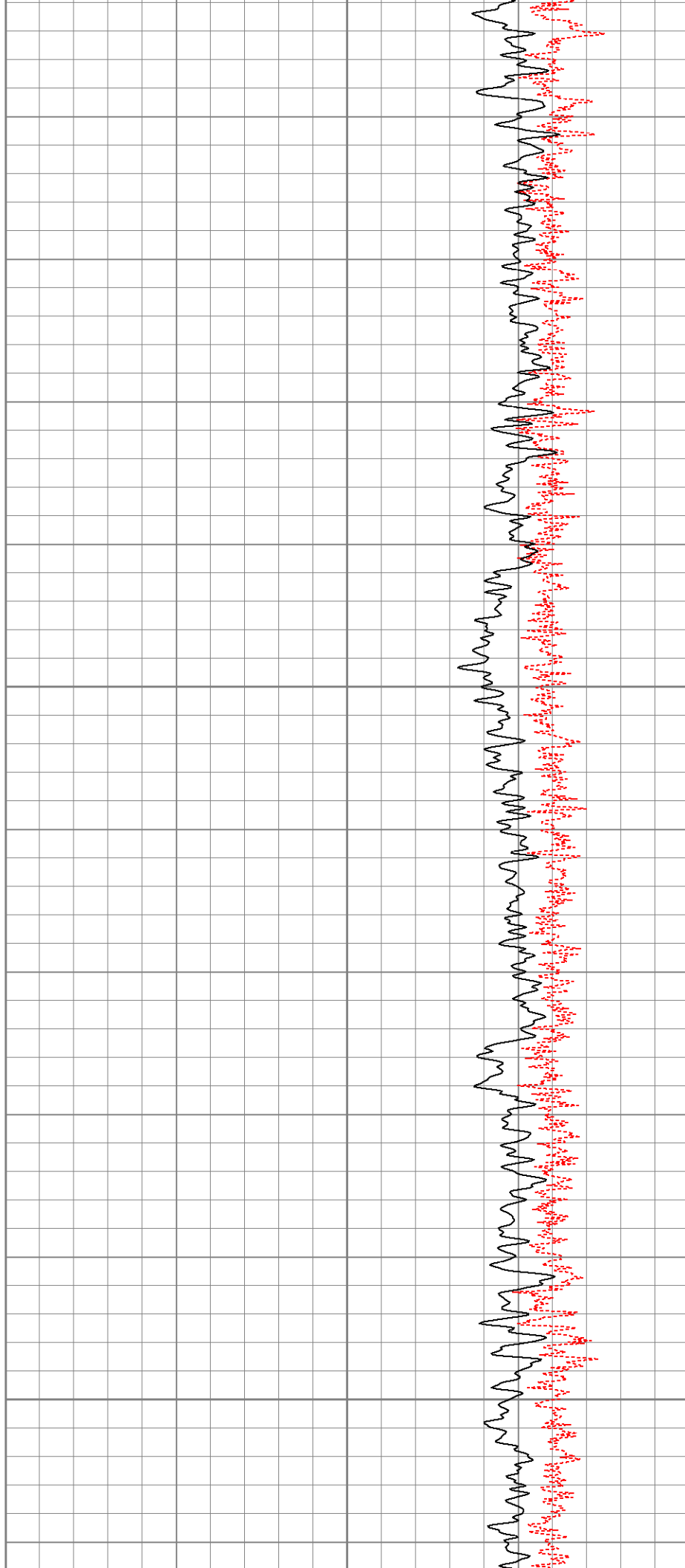
2300





2350

2400



Serial-Model:	2118-poilex
Source / Verifier:	/
Master Calibration Performed:	Mon May 14 16:51:32 2007

Master Calibration



	<u>Density</u>		<u>Far Detector</u>	<u>Near Detector</u>	
Magnesium	1.710	g/cc	665.94	685.05	cps
Aluminum	2.590	g/cc	149.68	463.33	cps
Spine Angle = 75.32			Density/Spine Ratio = 0.570		
	<u>Size</u>		<u>Reading</u>		
Small Ring	7.85	in	4.15	V	
Large Ring	14.00	in	9.25	V	


Gamma Ray Calibration Report

Serial Number:	2001	
Tool Model:	OH	
Performed:	Tue May 29 19:51:06 2007	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.1700	GAPI/cps

Neutron Calibration Report

Serial Number:	5145	
Tool Model:	G	
Performed:	Mon Apr 23 18:30:25 2007	
Calibrator Value:	1200	NAPI
Calibrator Reading:	1700	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
NEU	37.19		None	0.75	1.50	5.00
			NEU-G (5145) Gearhart Epithermal	5.75	3.50	85.00
GR	31.62		GR-OH (2001) SIE	3.50	3.25	40.00
			CDL-poilex (2118)	8.79	4.00	275.00
LSD	23.45					
DCAL	23.04					
SSD	22.91					

CILD SP	10.60 10.60		20.83	4.00	345.00
CILM	6.89				
RLL3	1.70				
Dataset: xtoge3106.db: field/well/run1/pass2 Total Length: 39.62 ft Total Weight: 750.00 lb O.D.: 4.00 in					