



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

COMPENSATED DENSITY/NEUTRON LOG

Company XTO Energy Inc.
Well Golden Eagle 32-15
Field Purgatoire River
County Las Animas State Colorado

Location: API # : 05 071 09631 00

770' FSL & 1766' FEL

Other Services
DIL

SEC 32 TWP 33S RGE 67W

Permanent Datum	Ground Level	Elevation	7784'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Elevation
K.B. -----
D.F. -----
G.L. 7784'

Date 8-8-08

Run Number One

Depth Driller 2425'

Depth Logger 2430'

Bottom Logged Interval 2413'

Top Log Interval Surface Casing

Casing Driller 8 5/8" @ 499"

Casing Logger 499'

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 10:00 P.M.

Time Logger on Bottom 12:40 A.M.

Maximum Recorded Temperature 97 DEG F

Equipment Number T697

Location Trinidad

Recorded By J. Cappellucci

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 to Cherry Canyon, go thru green gate, past Compressor Station 5,
stay right at hard switchback, take second left, at Y stay left, dead end on location.

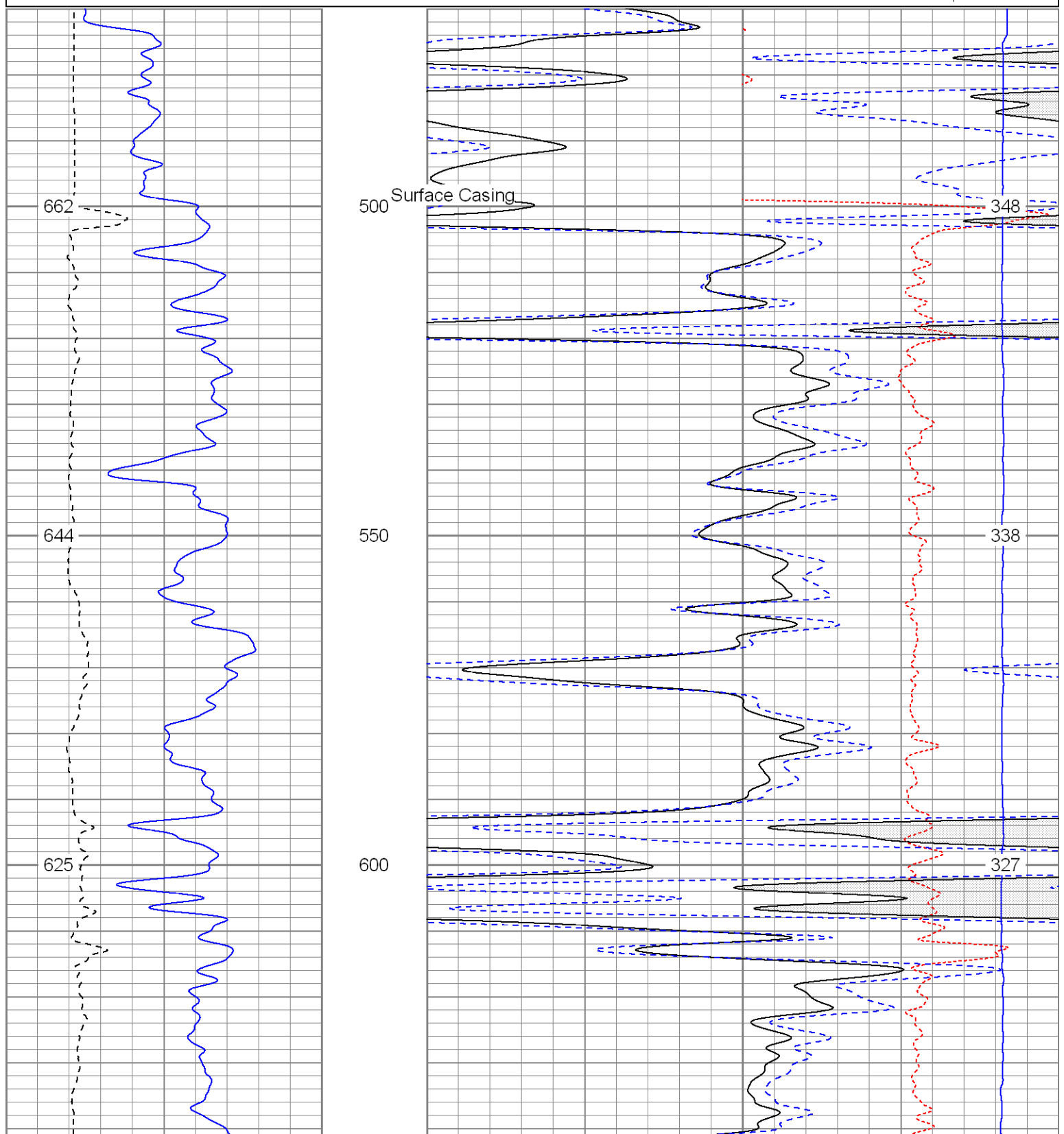


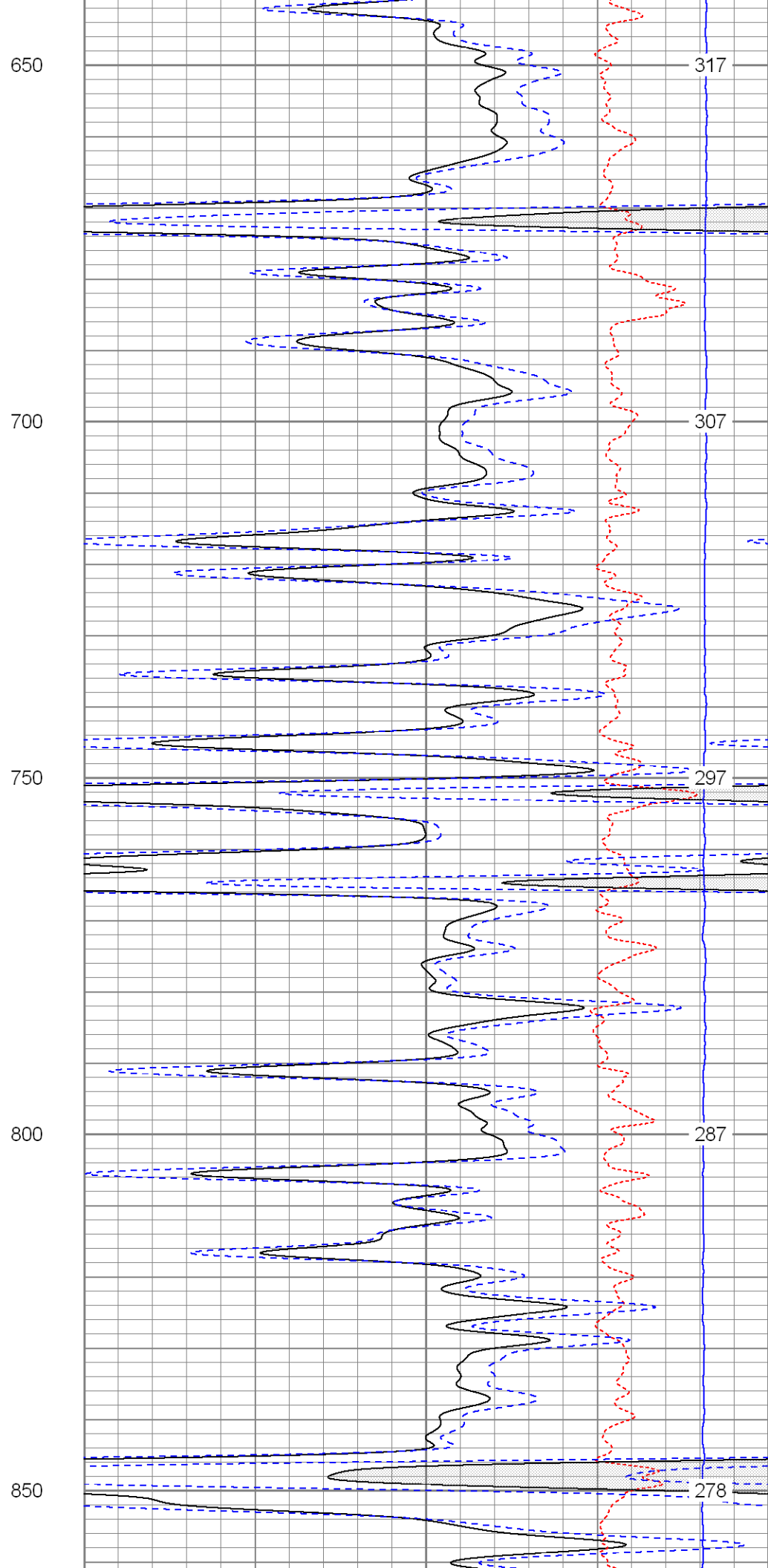
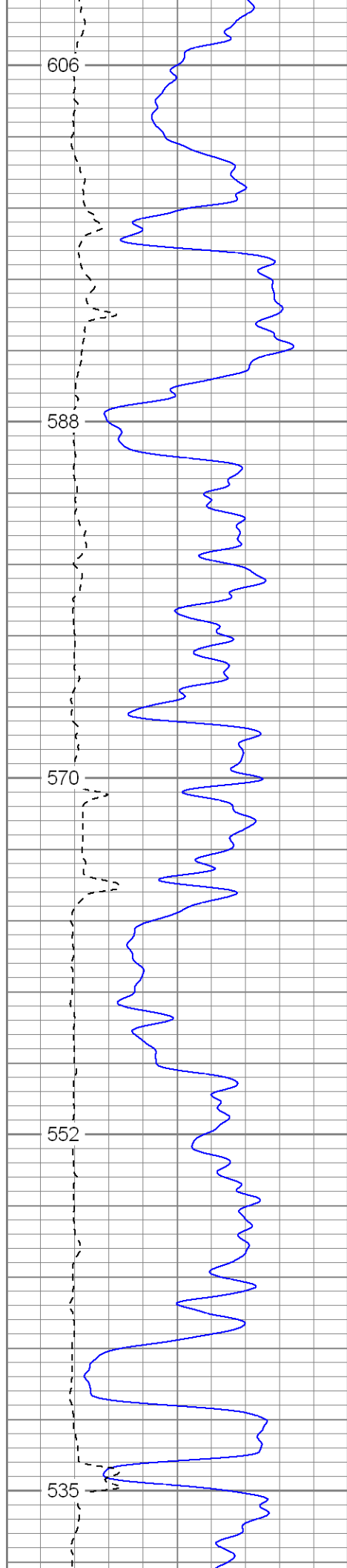
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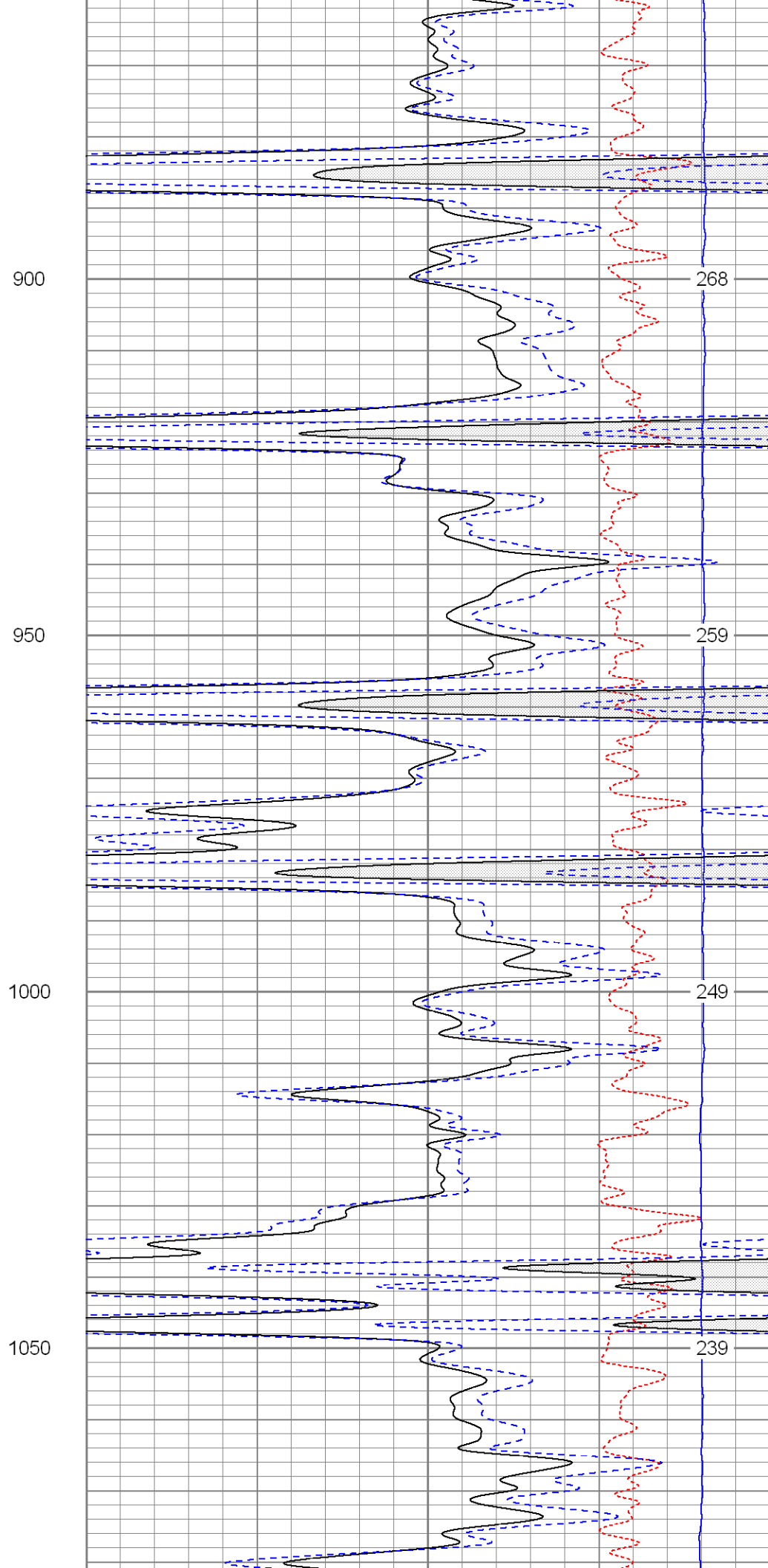
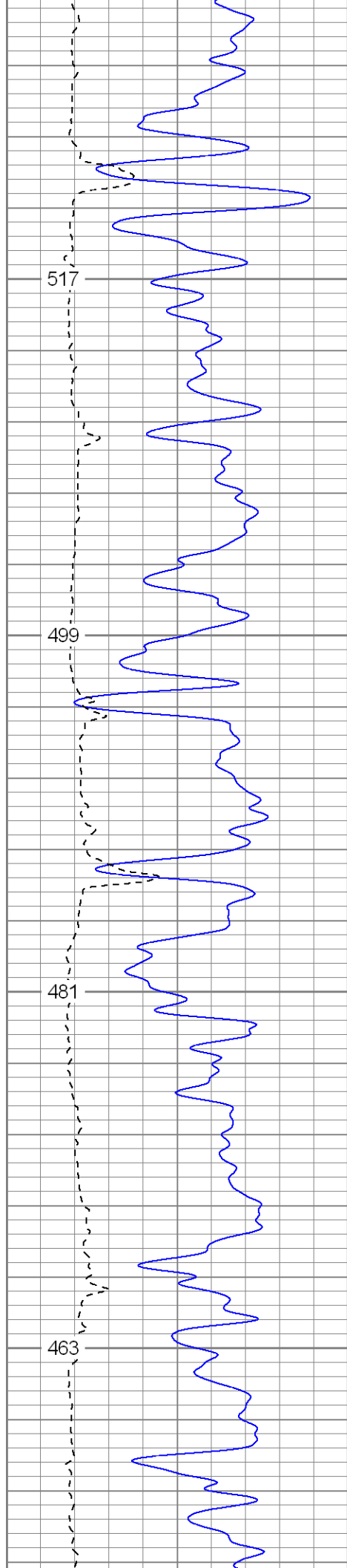
Main Pass

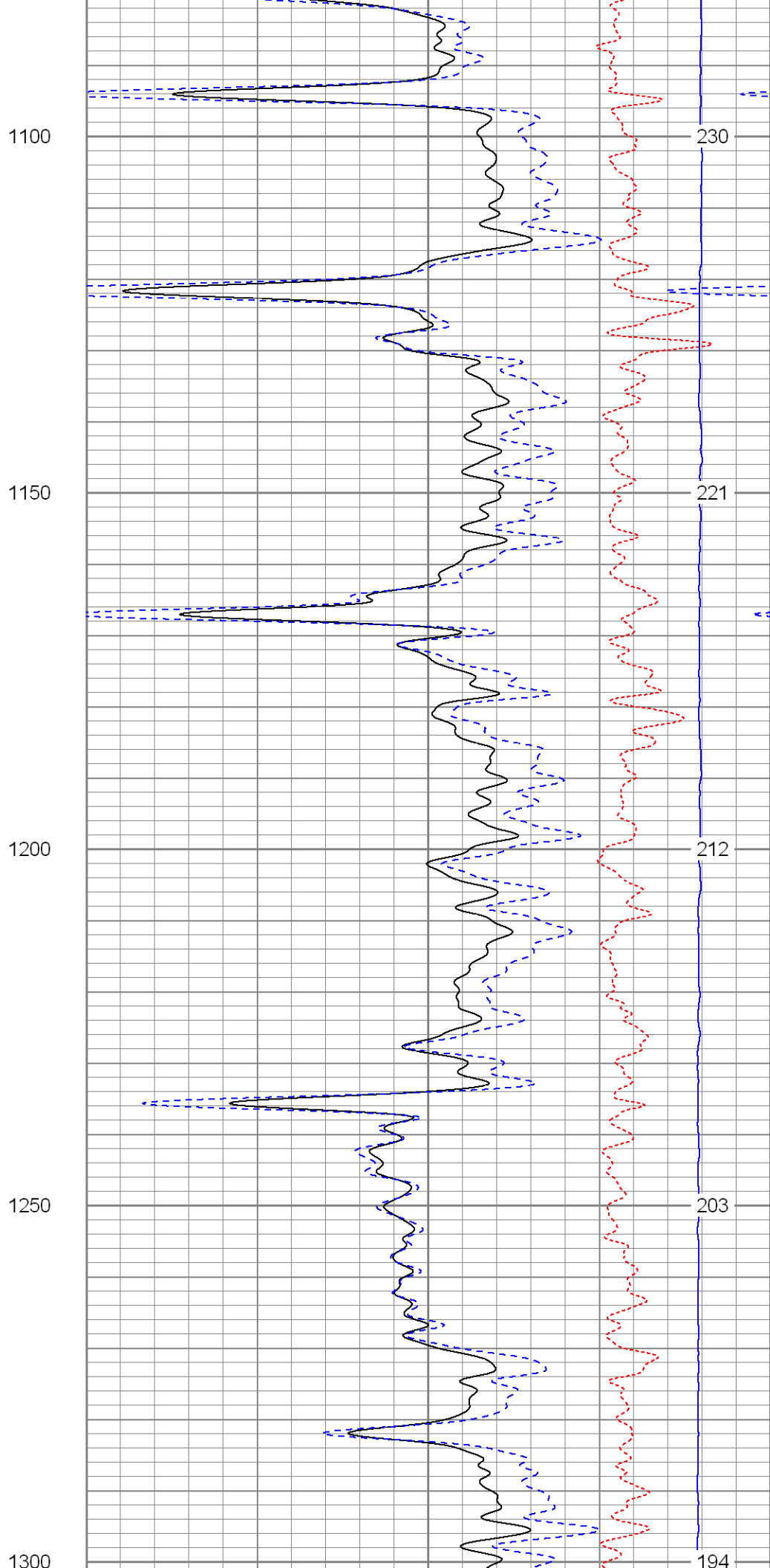
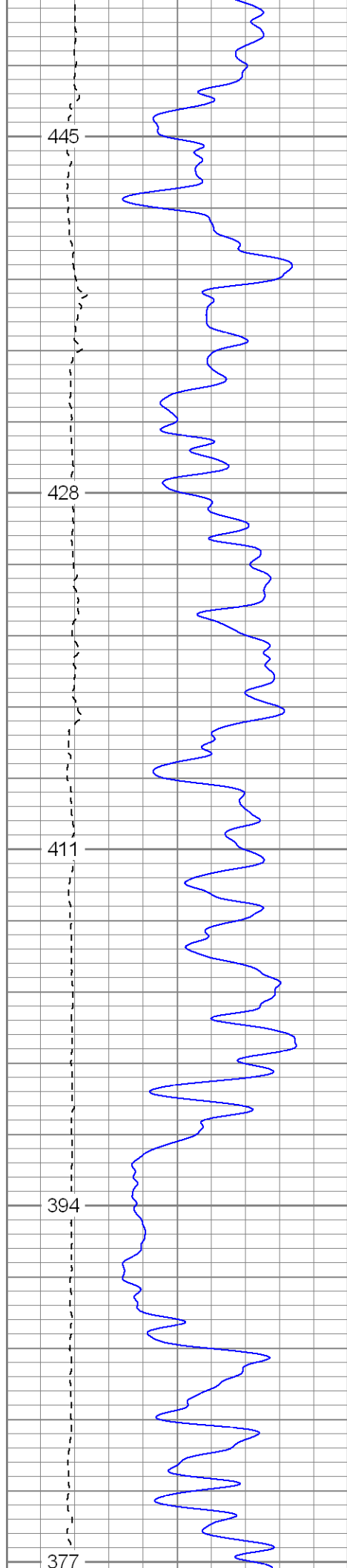
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Charted by: Depth in Feet scaled 1:240

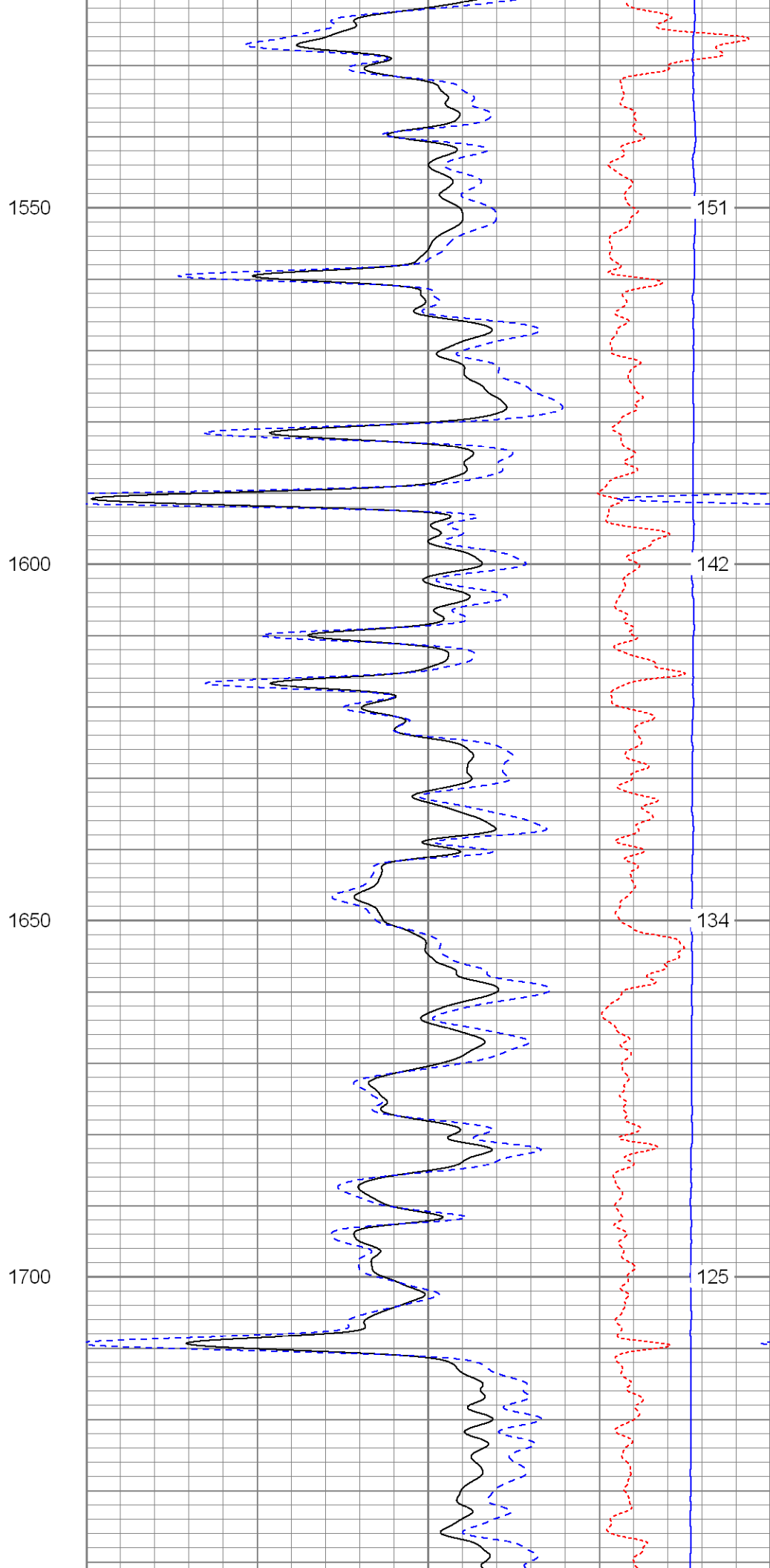
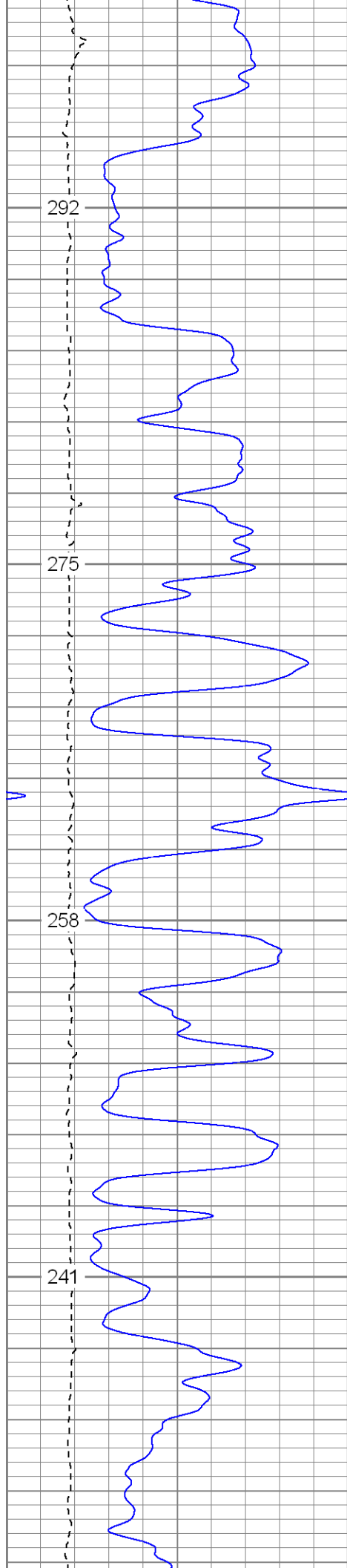
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6	DCAL (in)	16	1	RHOB (g/cc)	2
TBHV (ft3)			30	DPOR (pu)	-10
			-0.5 RHOC (g/cc) 0.5		
			7000 LTEN (lb) 0		
			ABHV (ft3)		

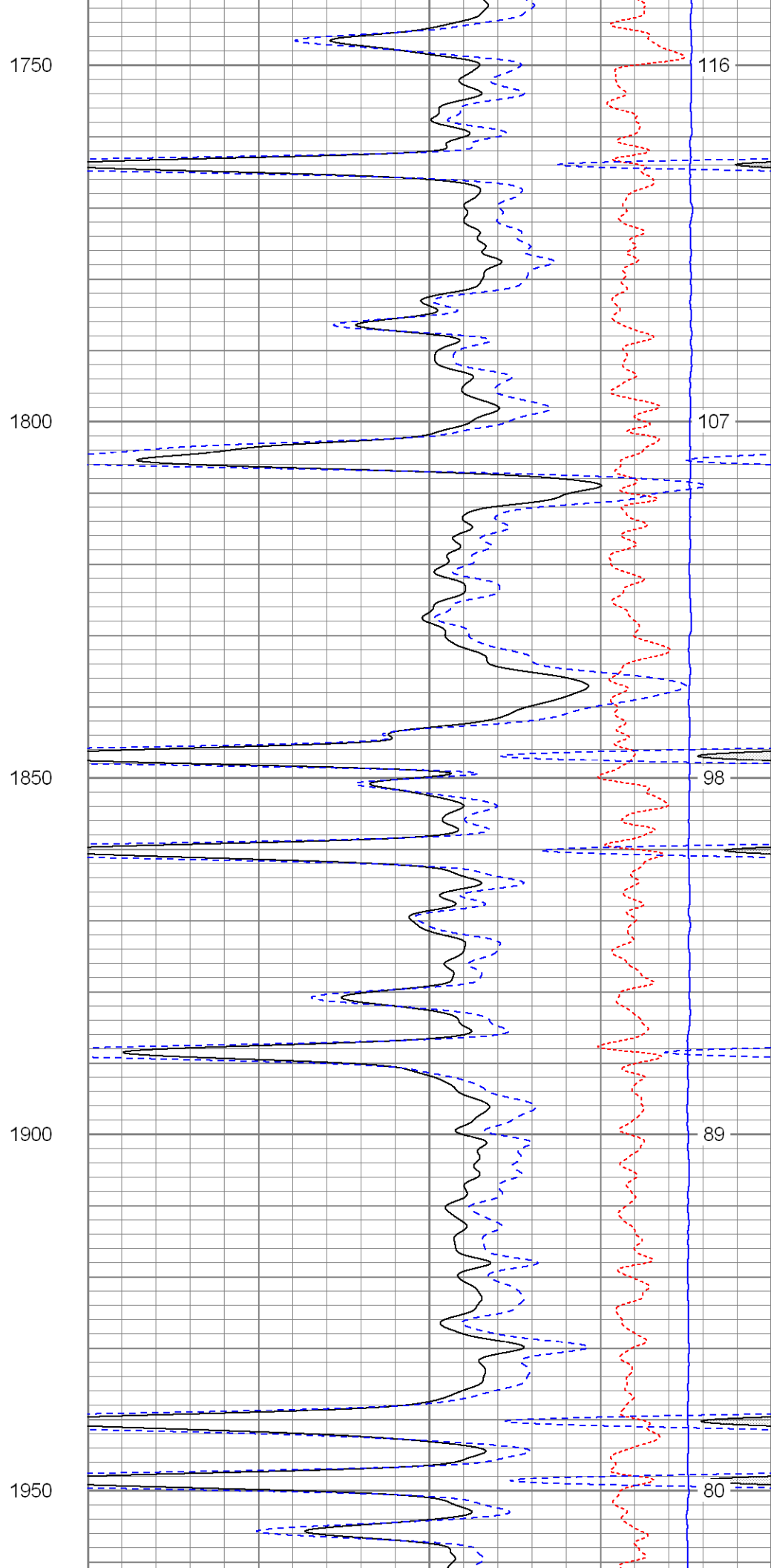
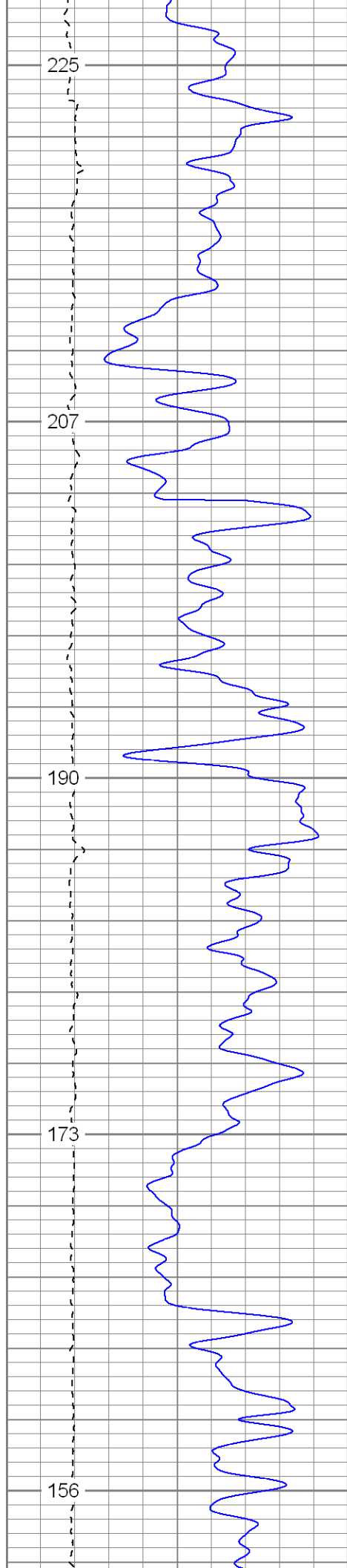


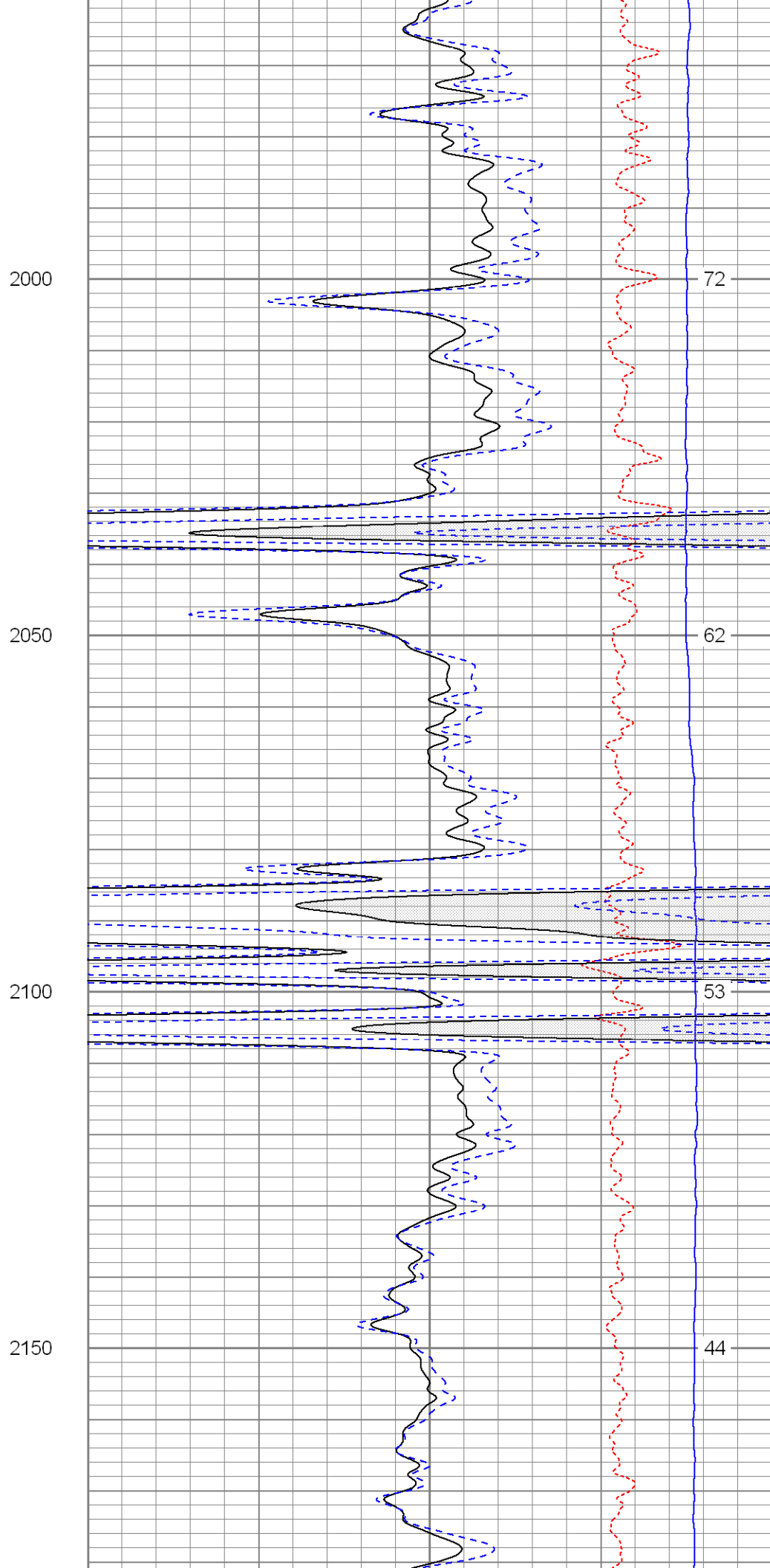
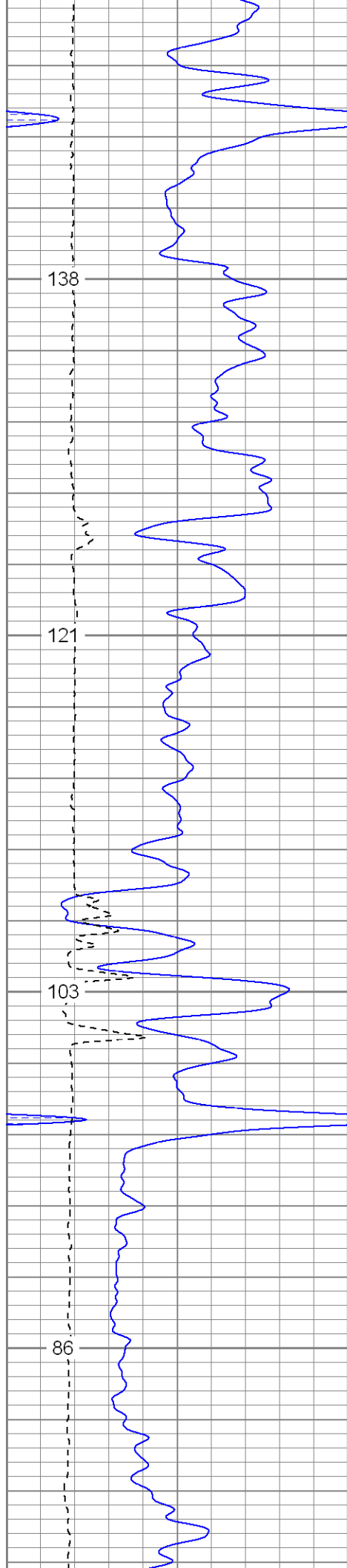


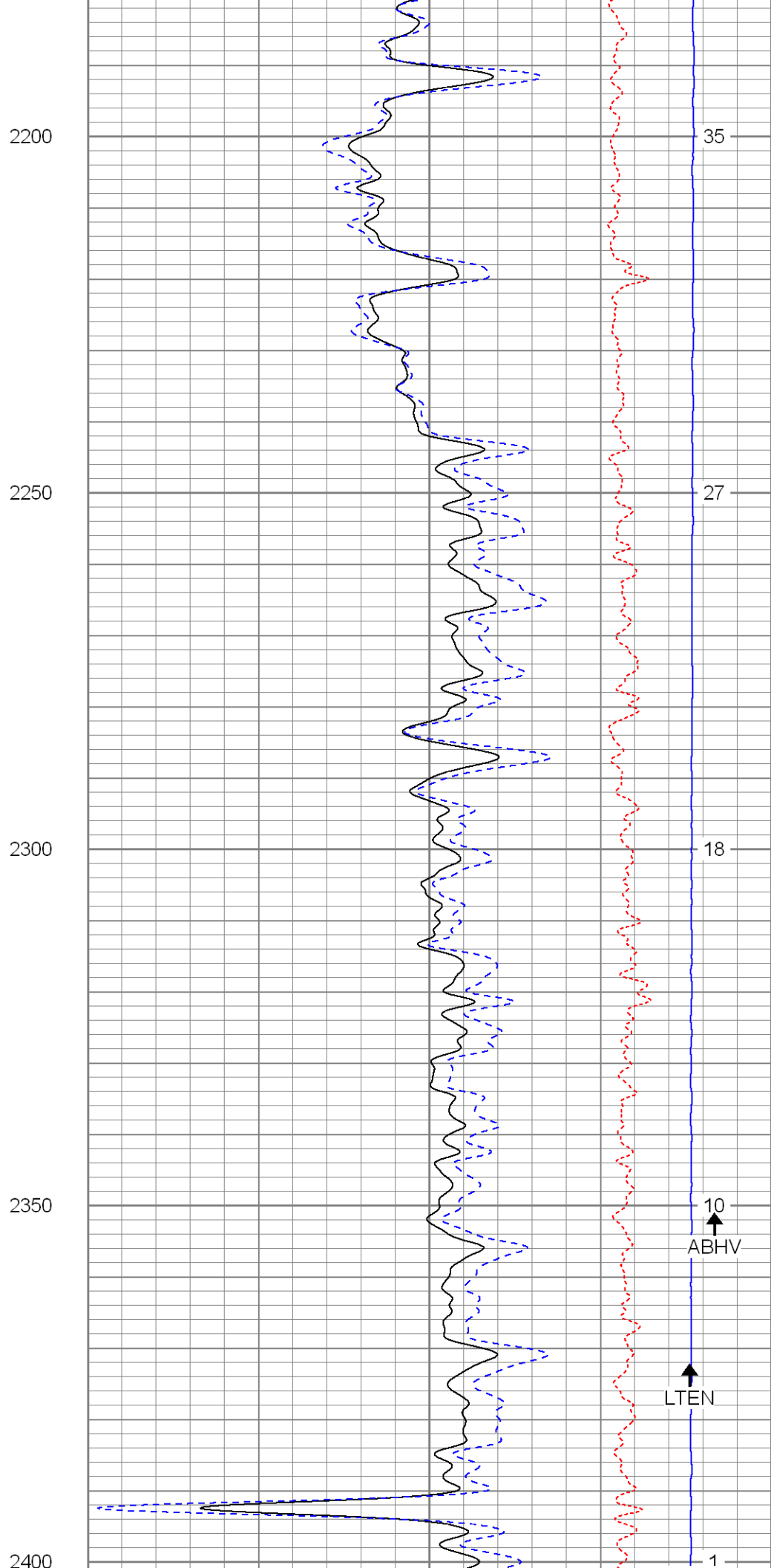
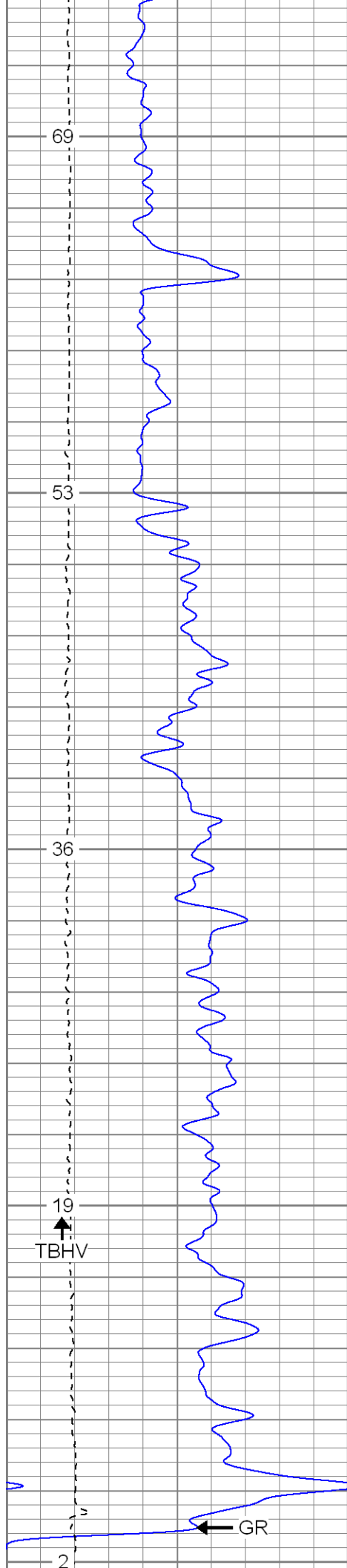


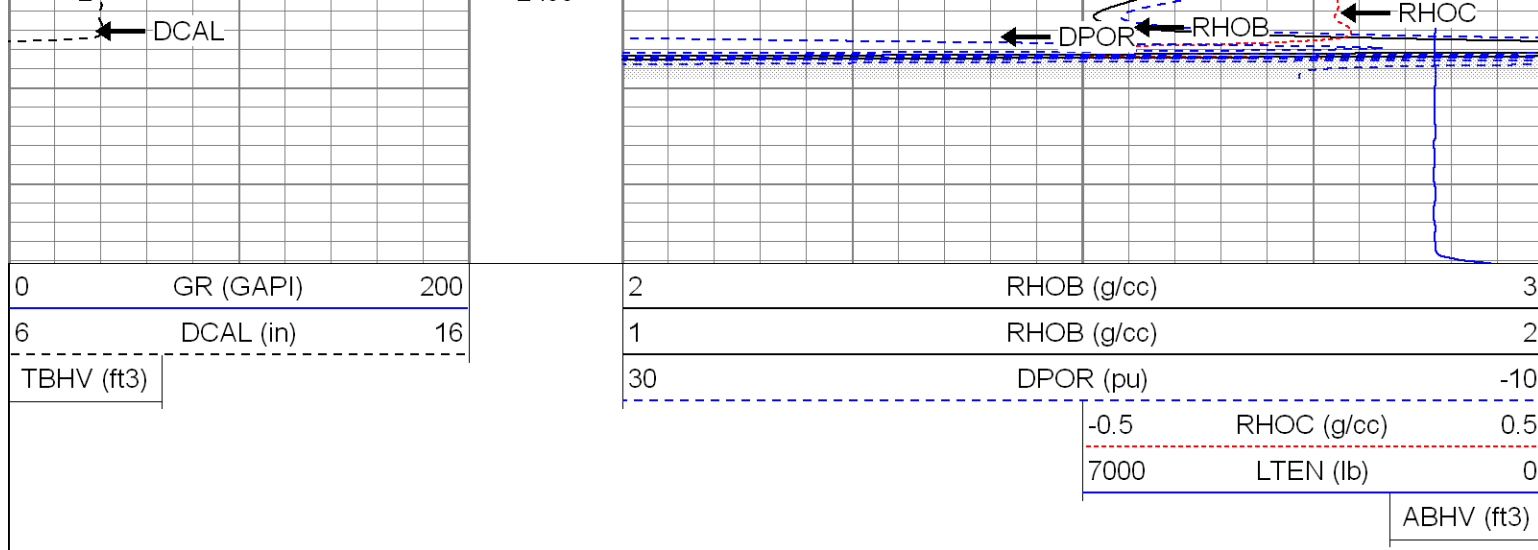






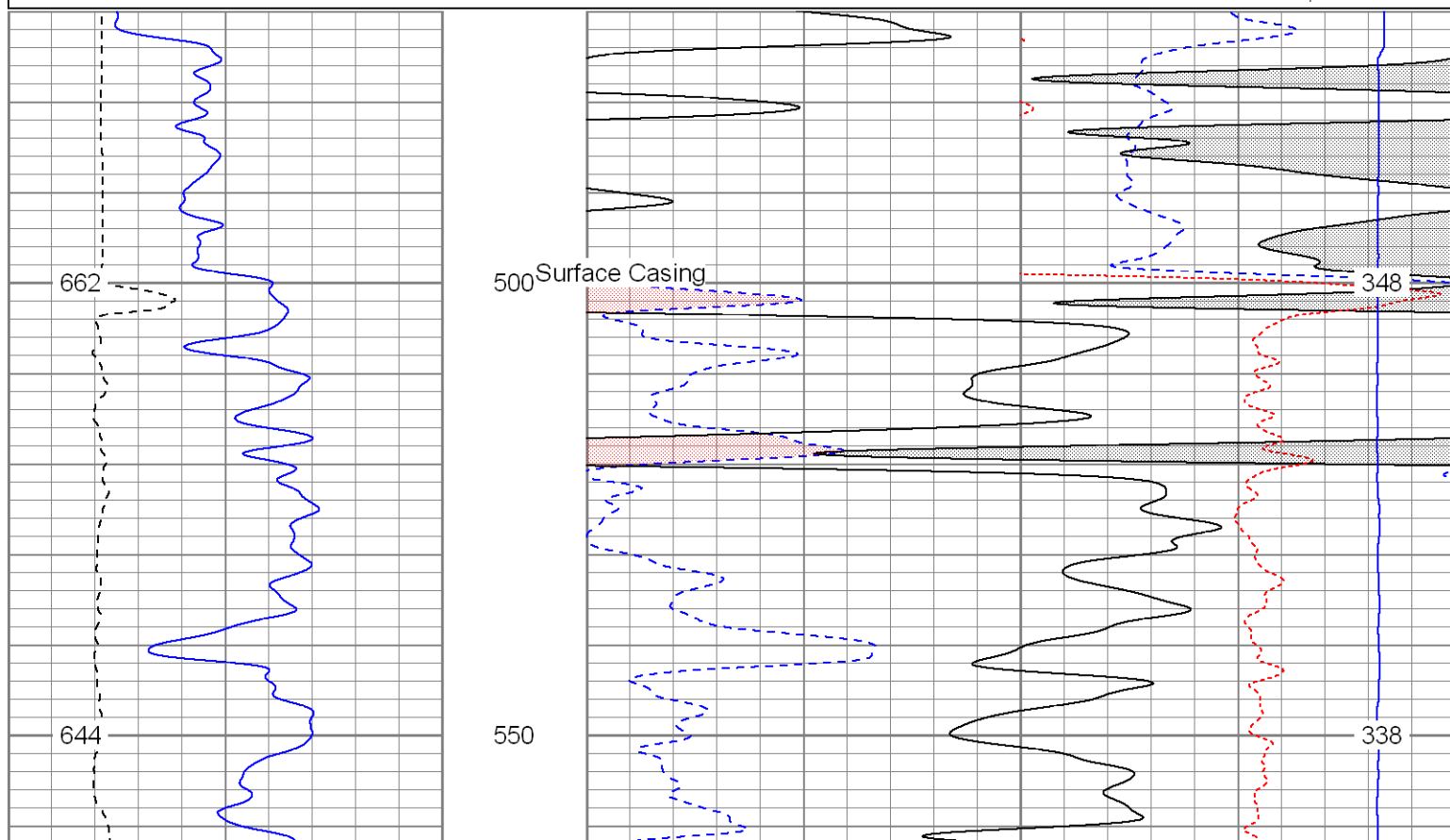
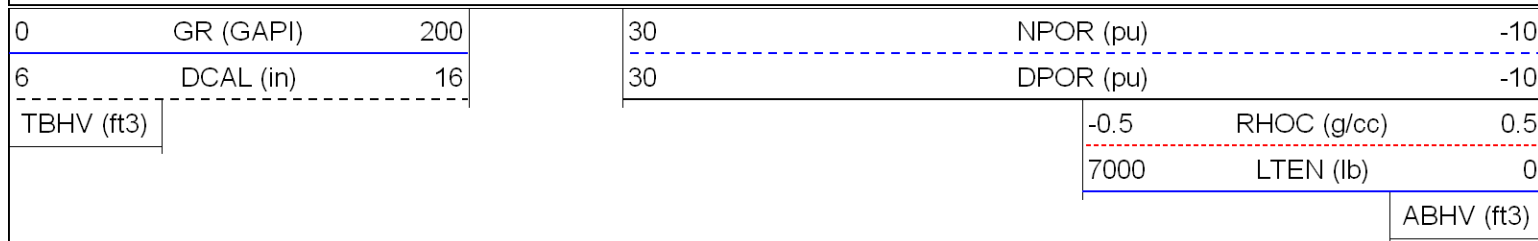


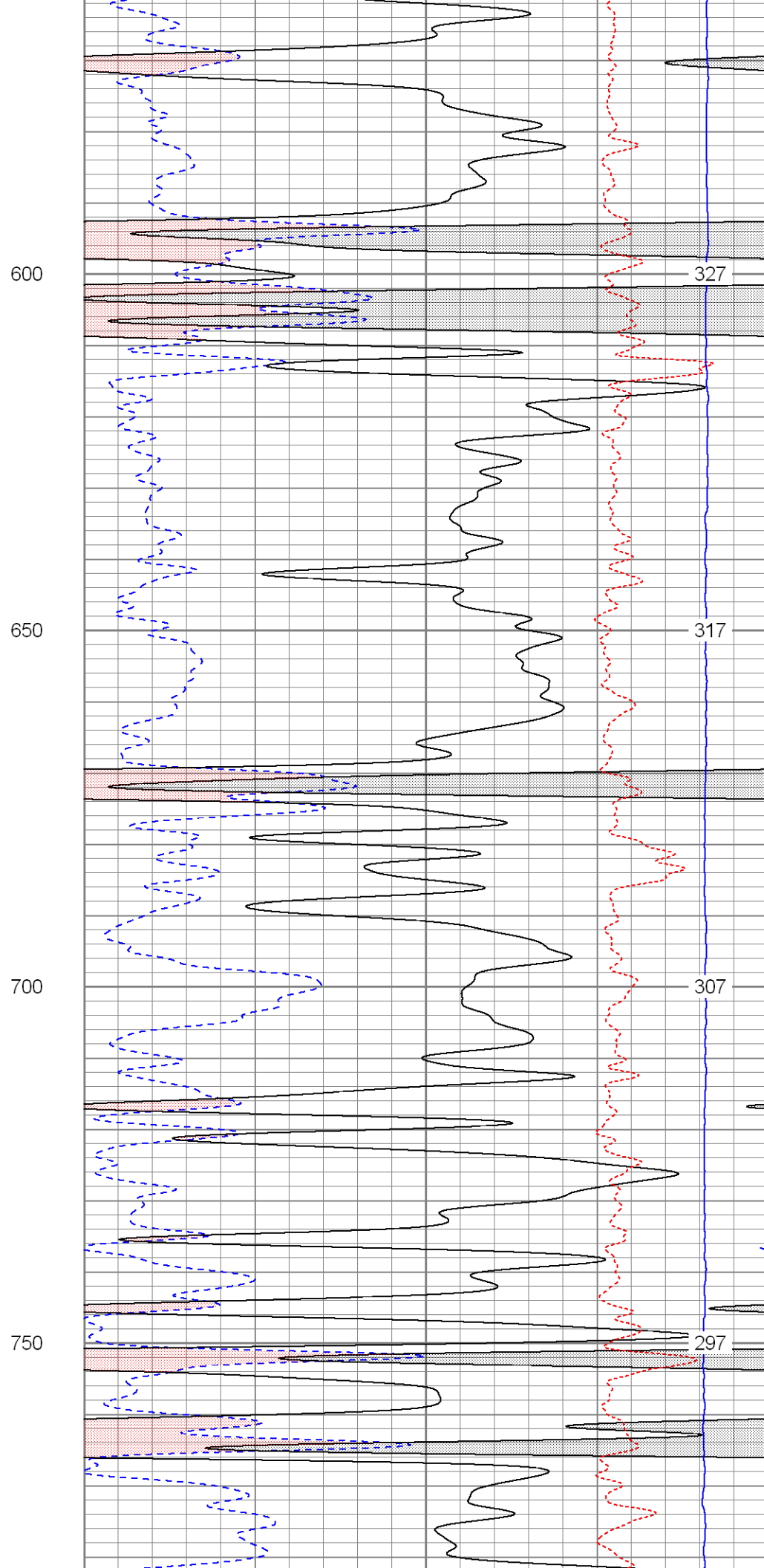
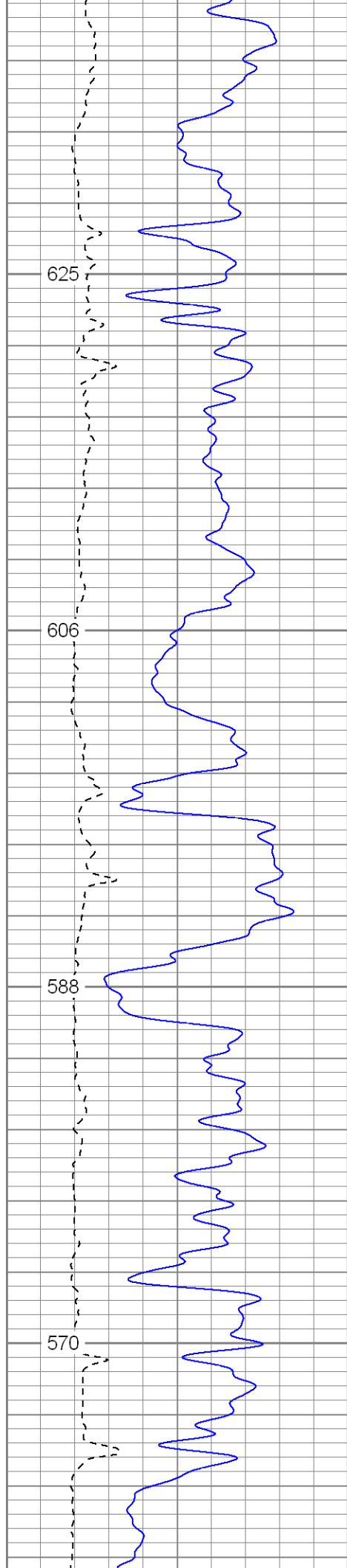


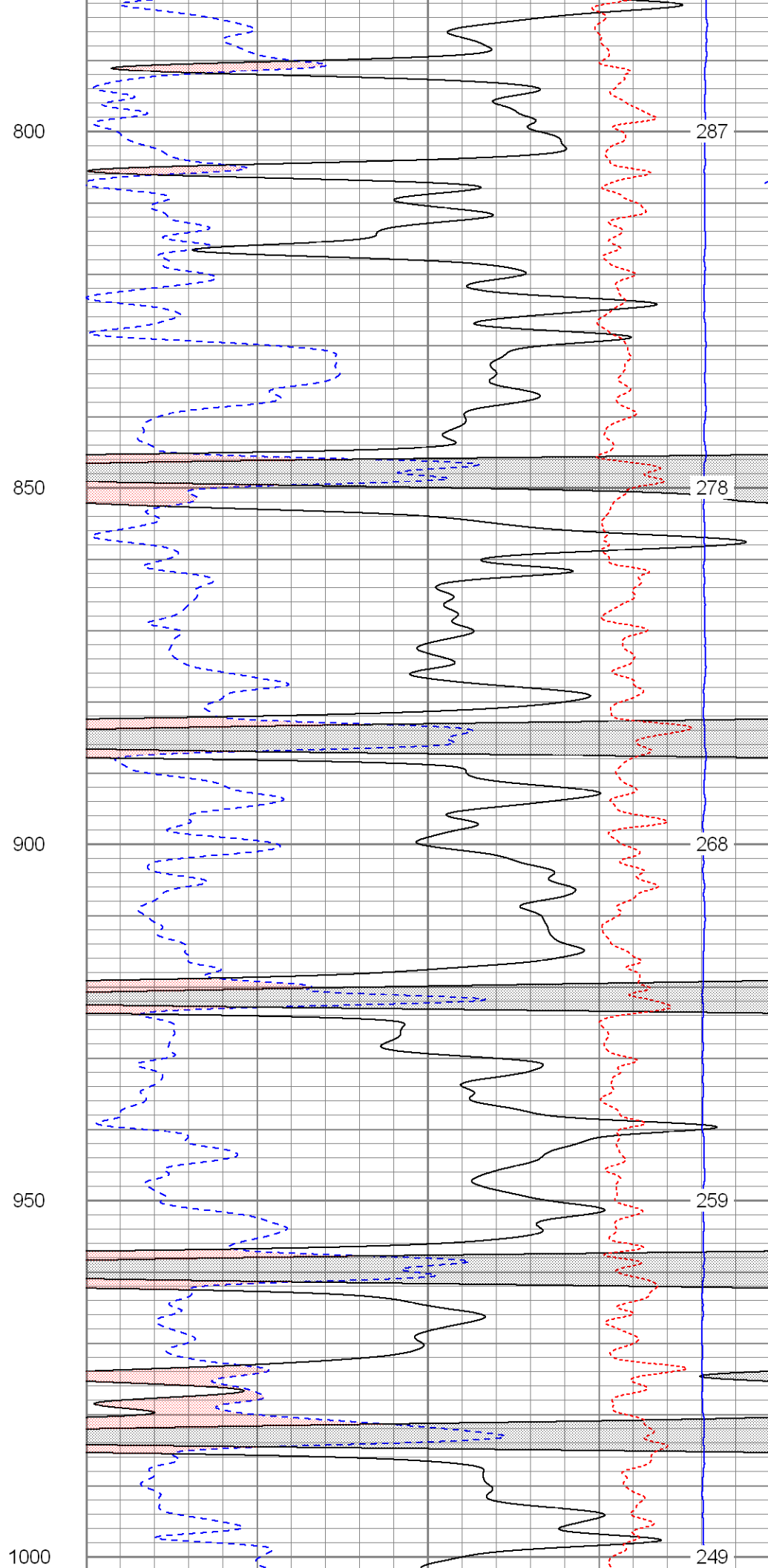
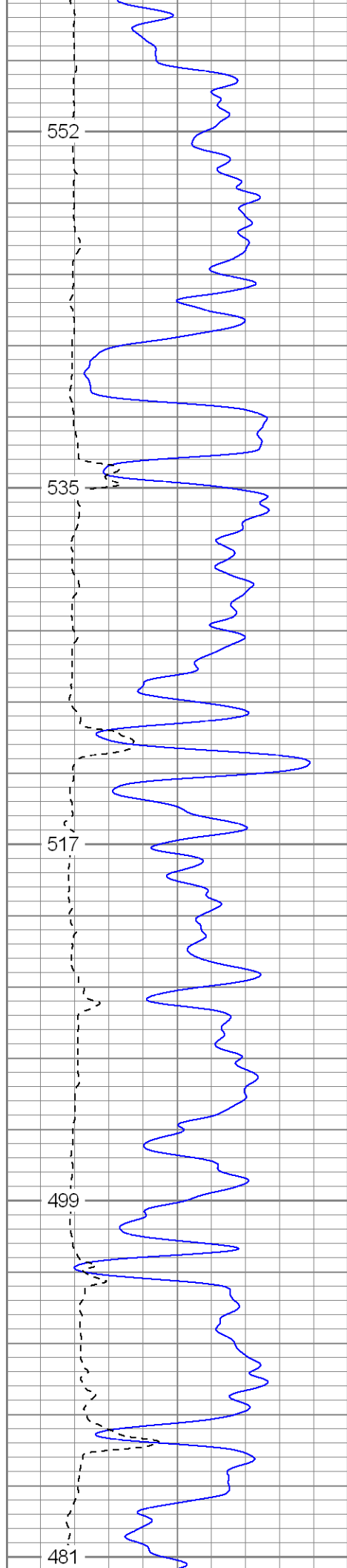


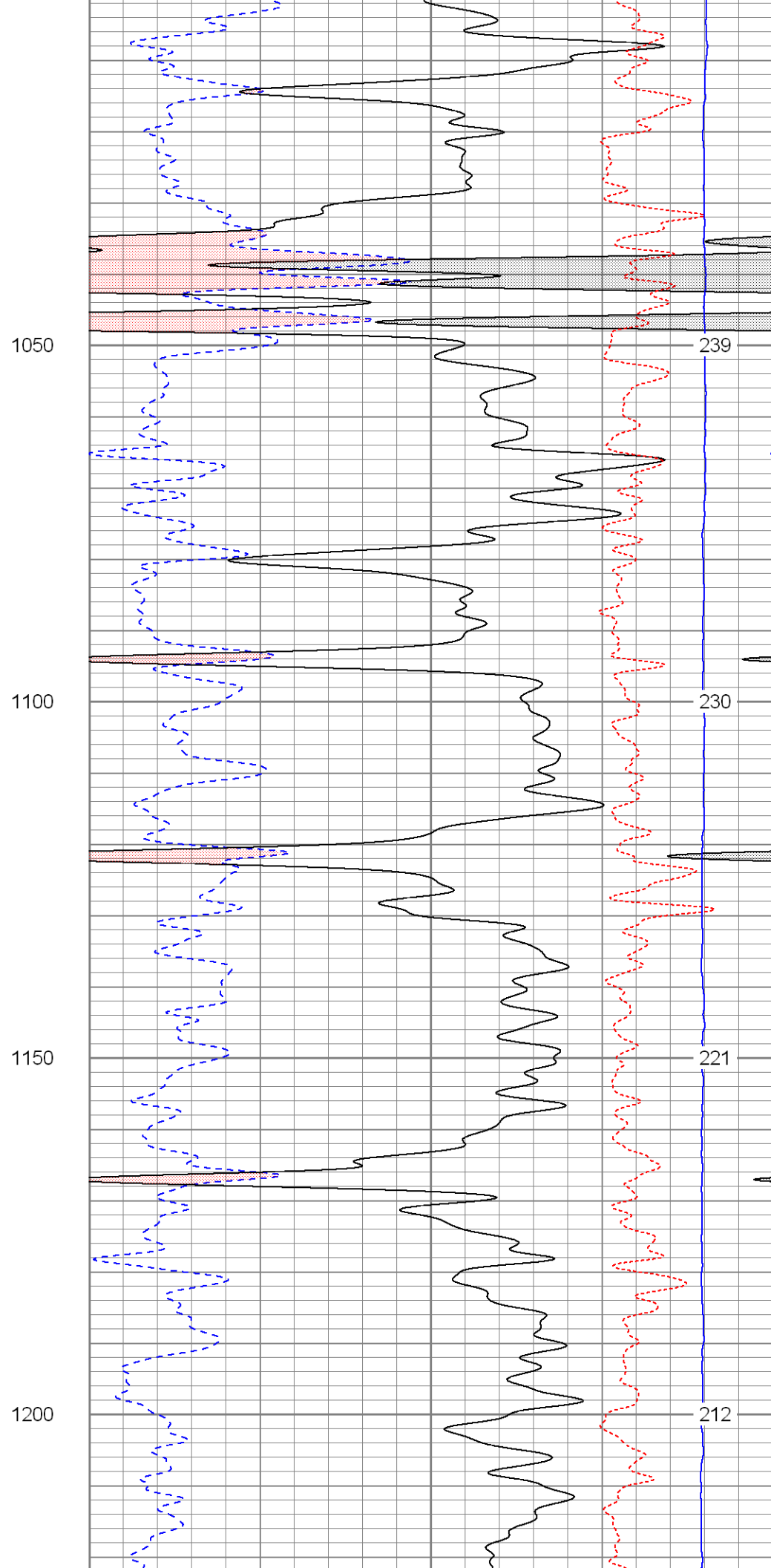
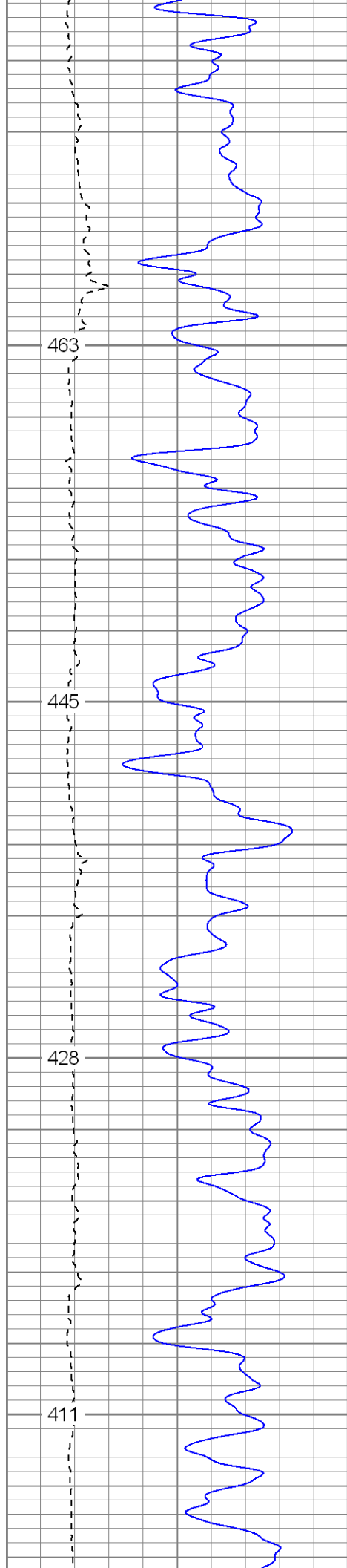
Main Pass

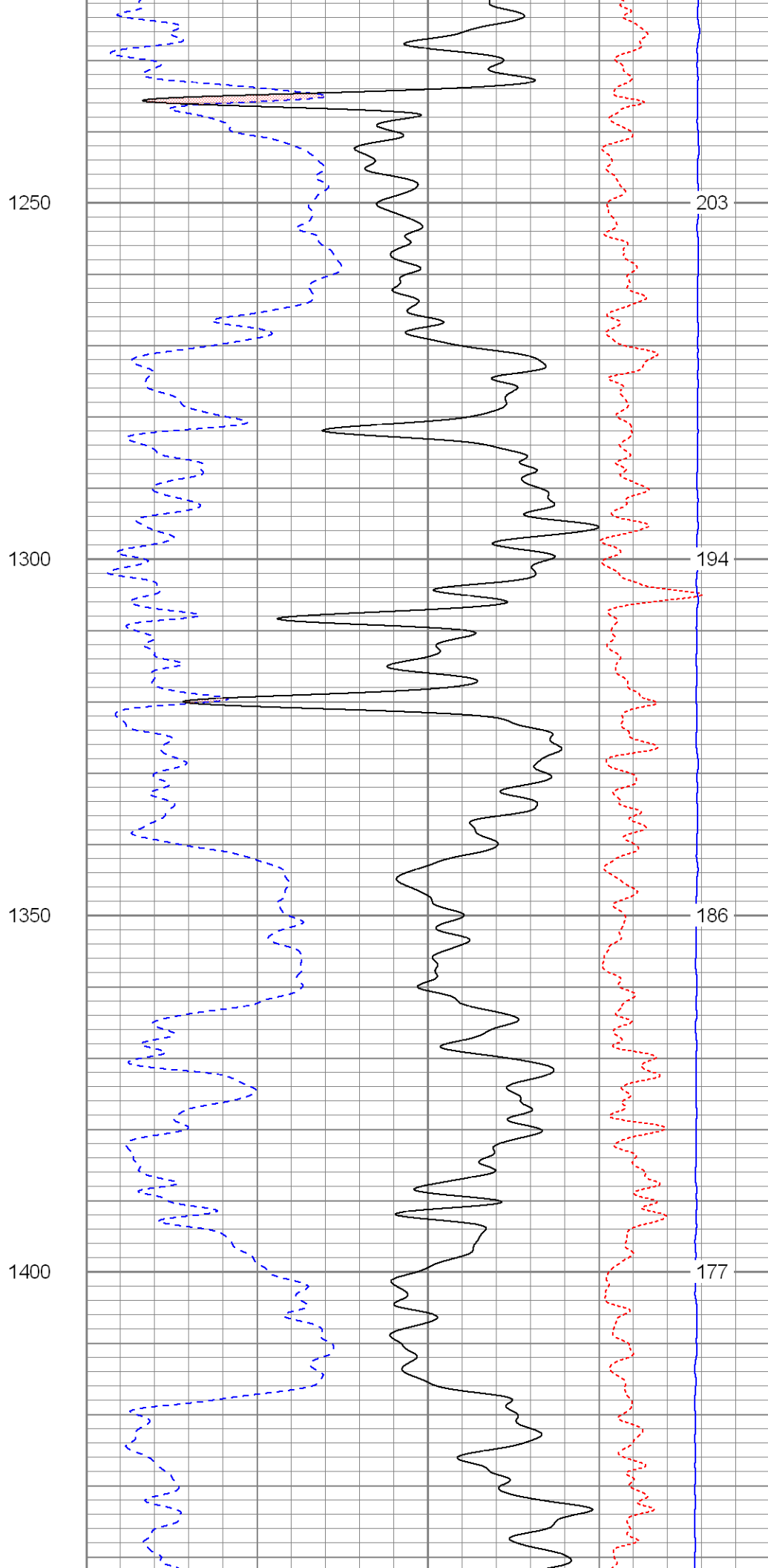
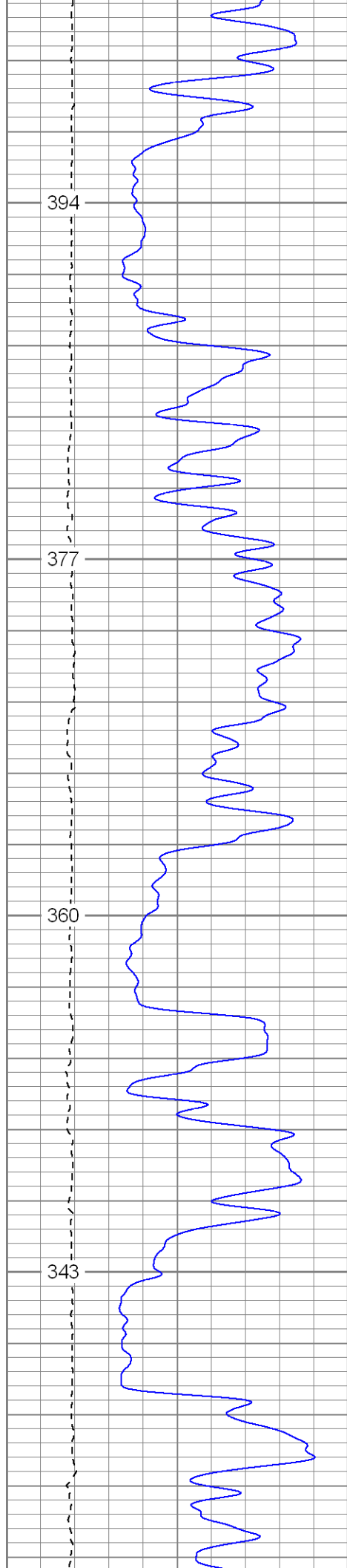
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 Dataset Pathname: pass2.1
 Presentation Format: cdnl
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 Charted by: Depth in Feet scaled 1:240

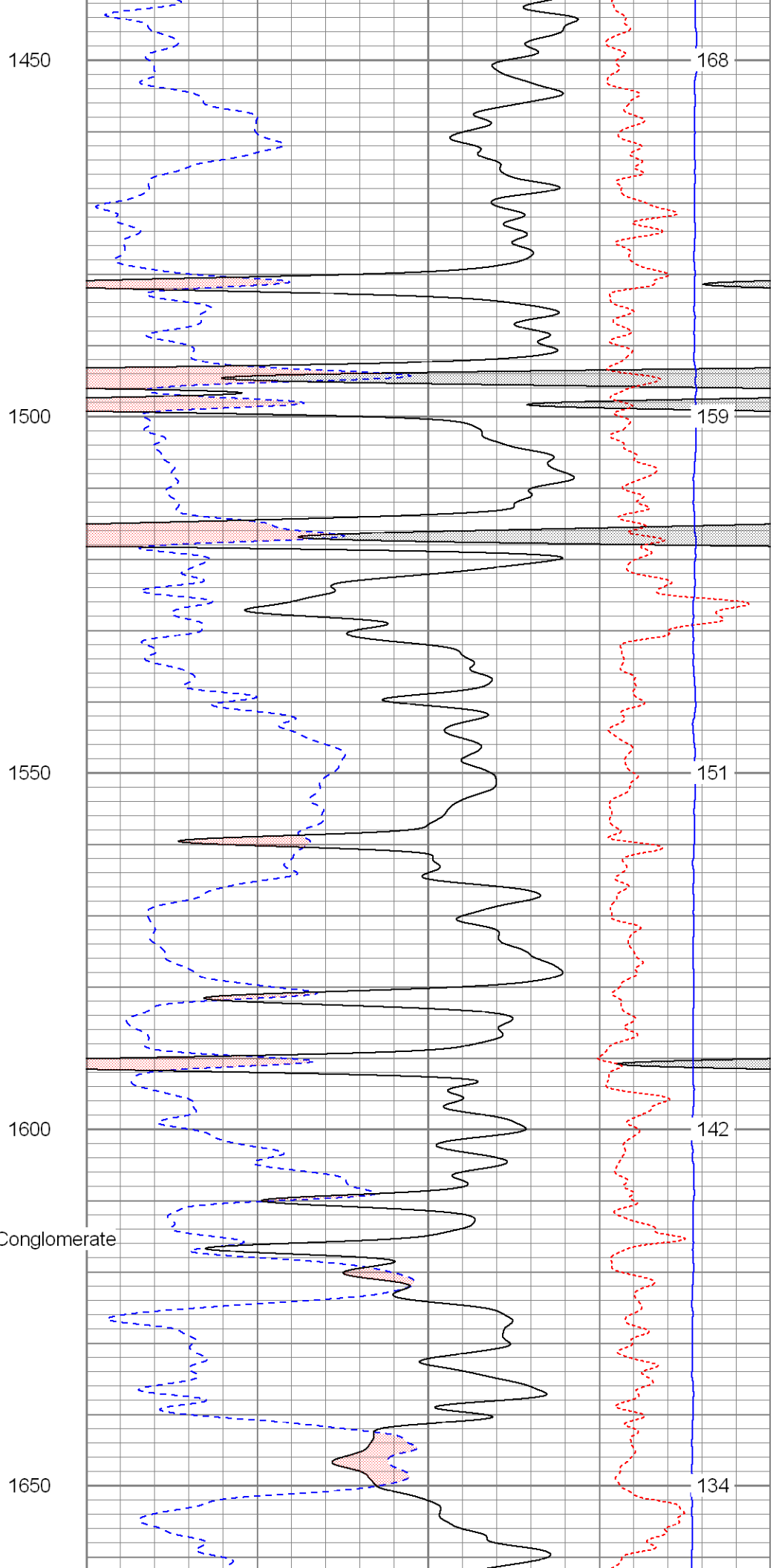
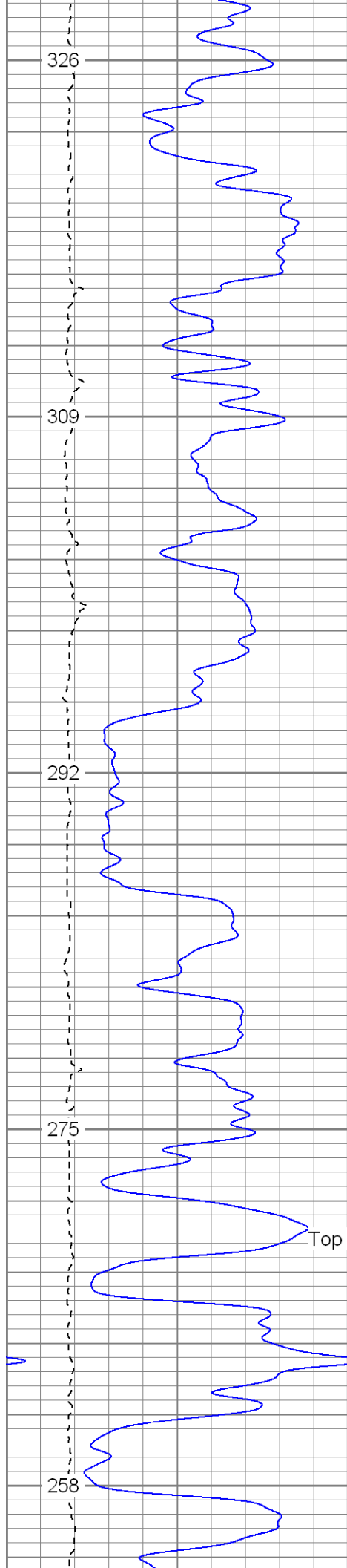


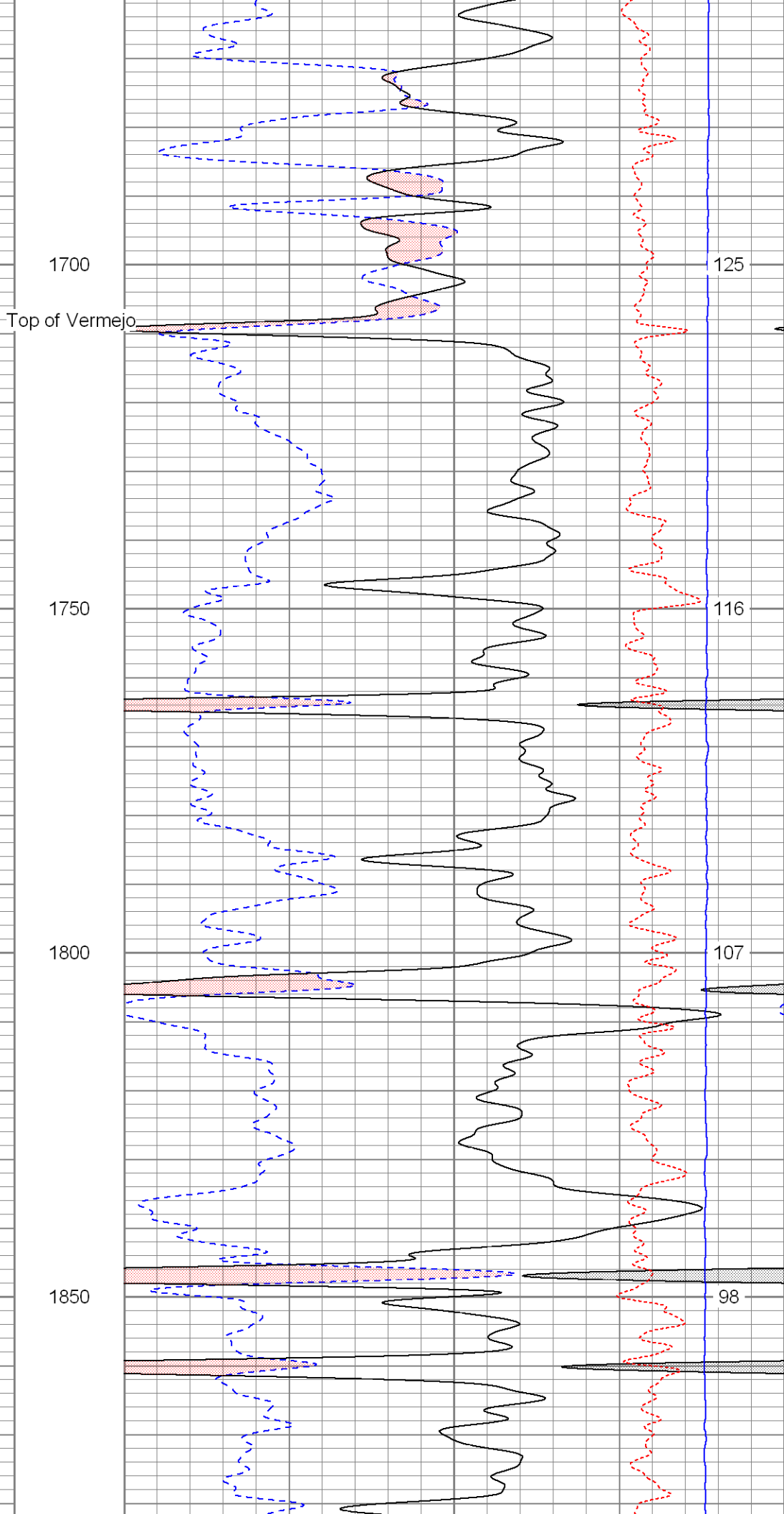
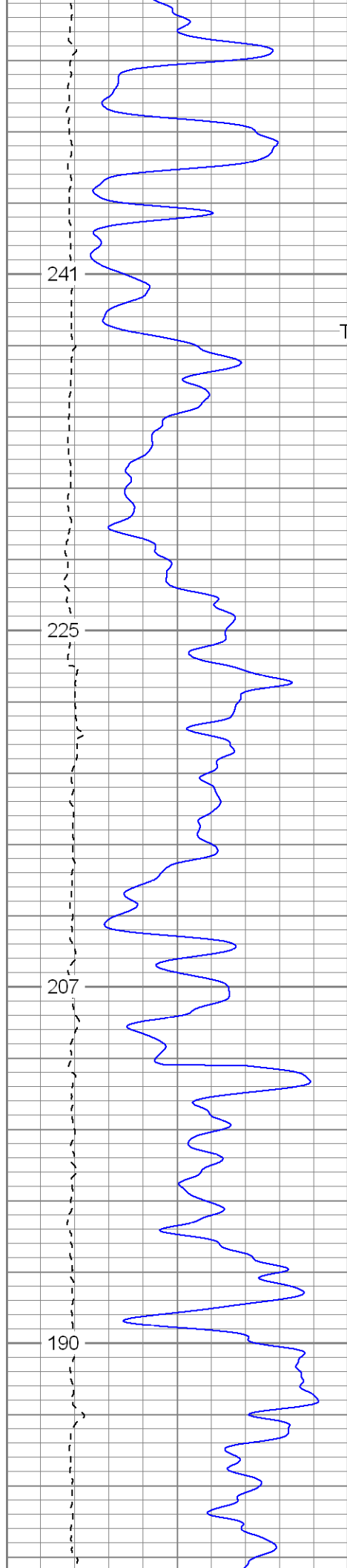


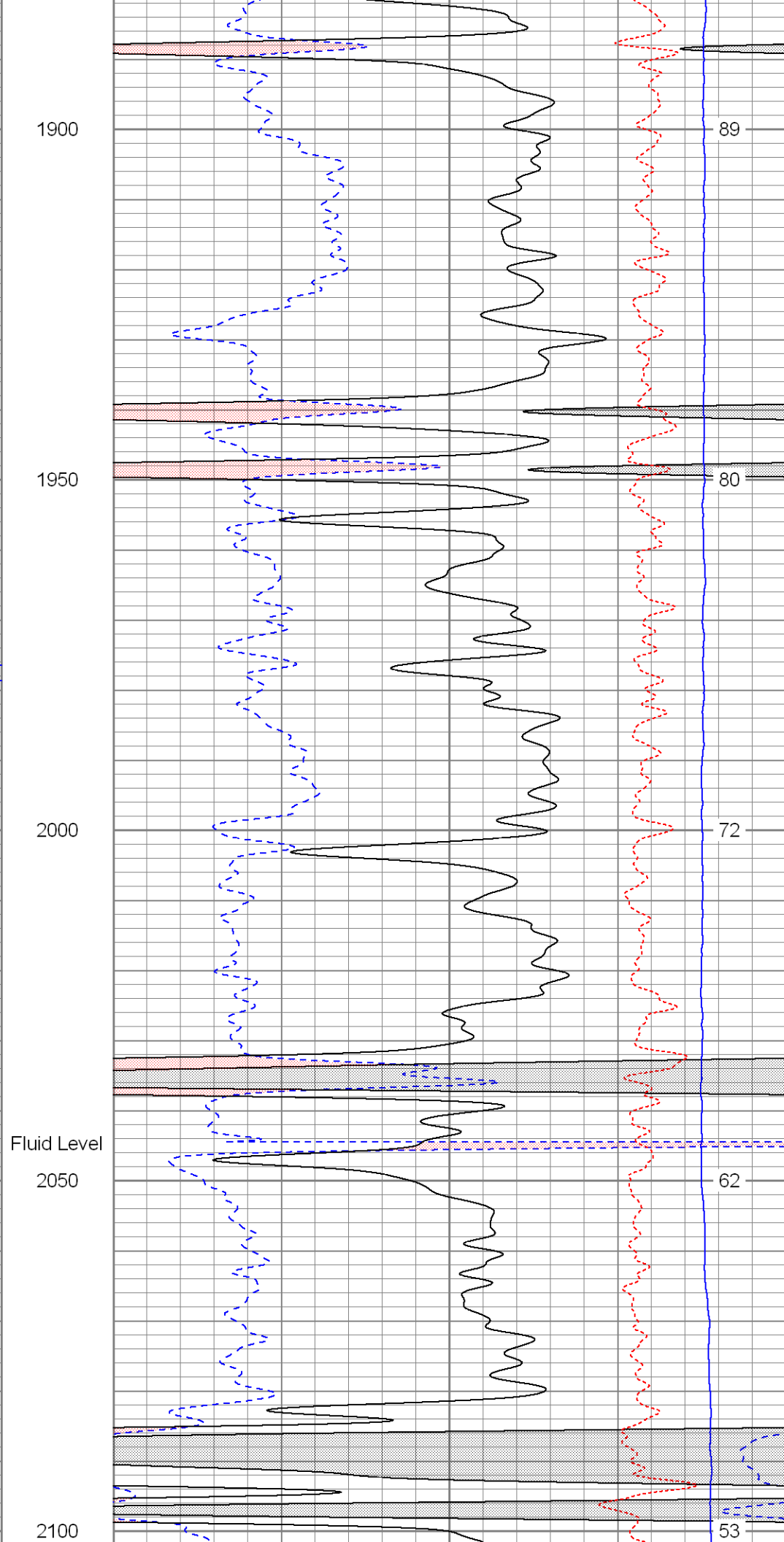
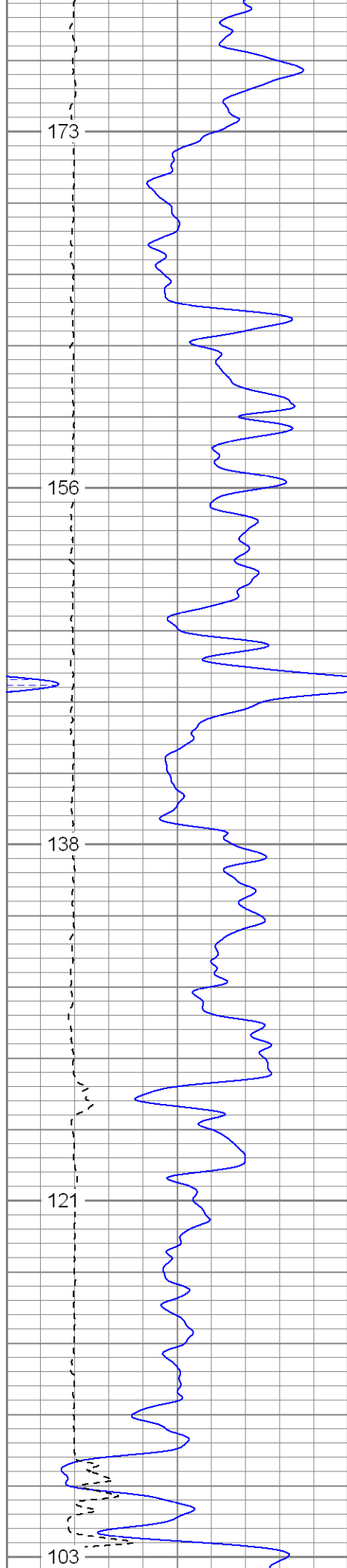


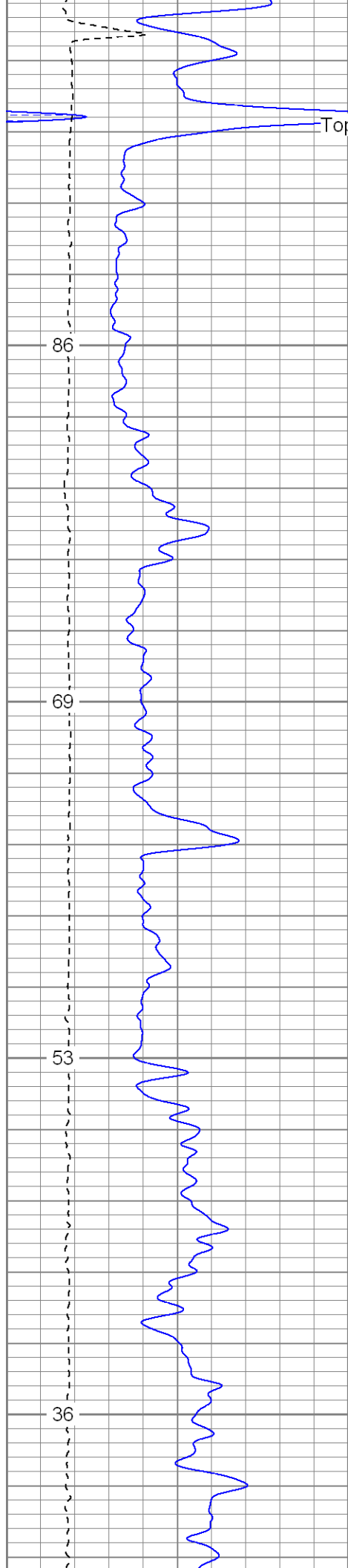












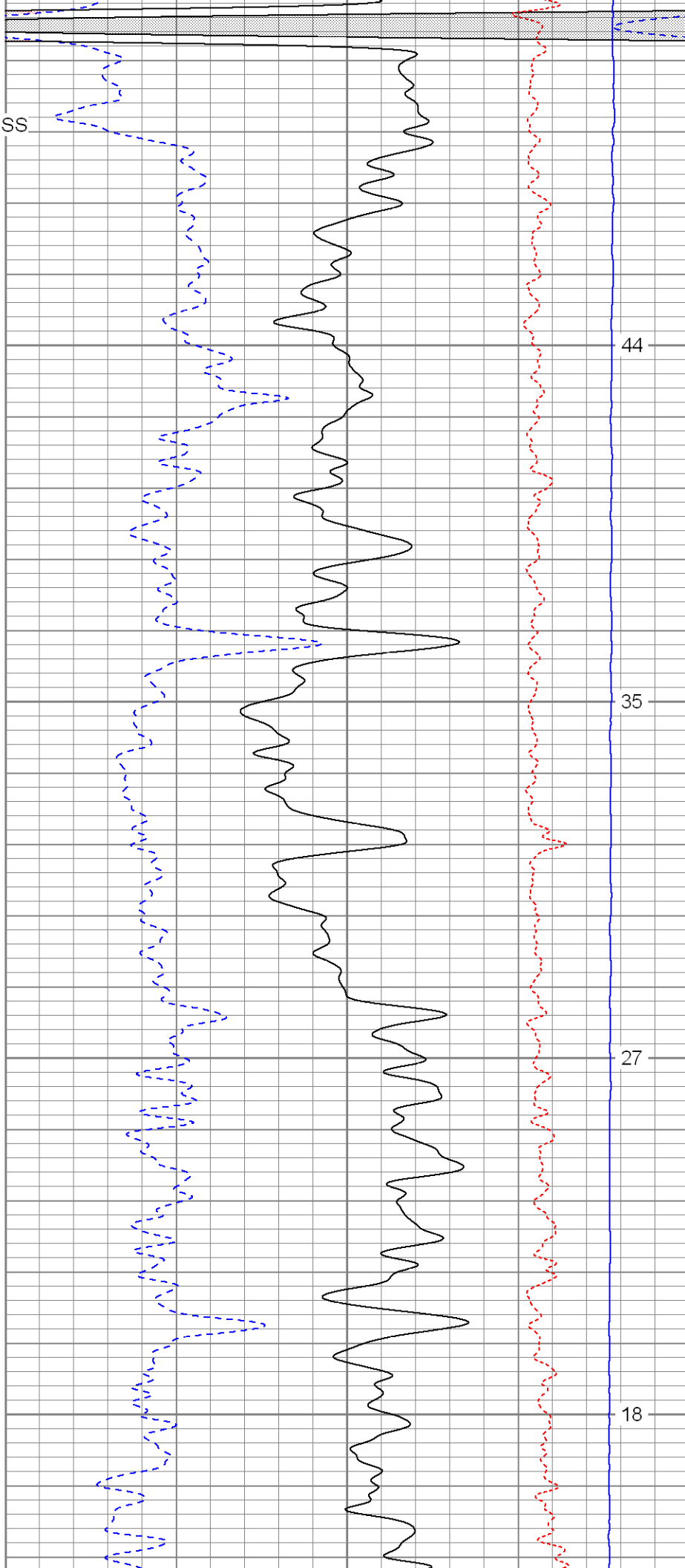
Top of Trinidad SS

2150

2200

2250

2300

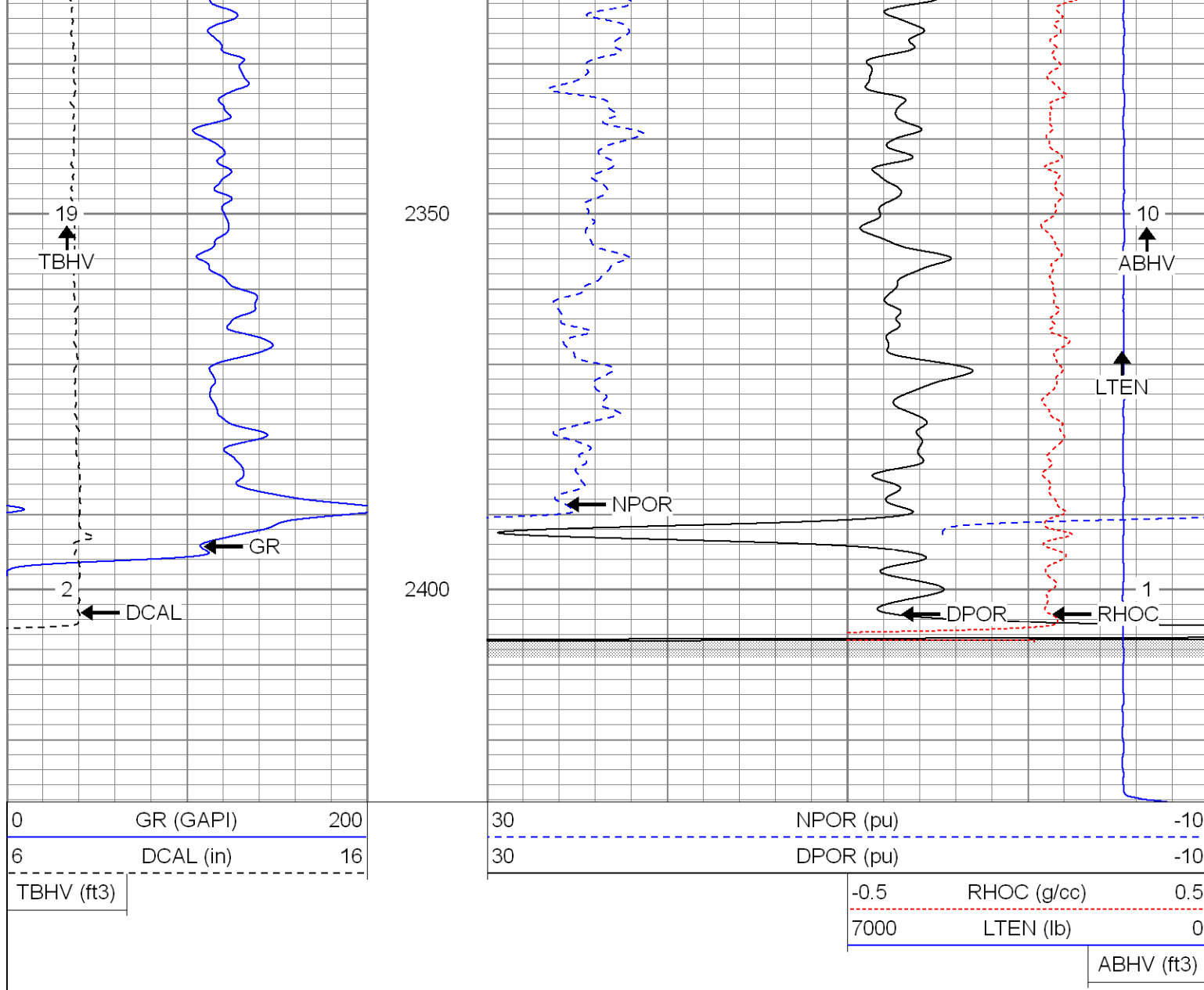


44

35

27

18



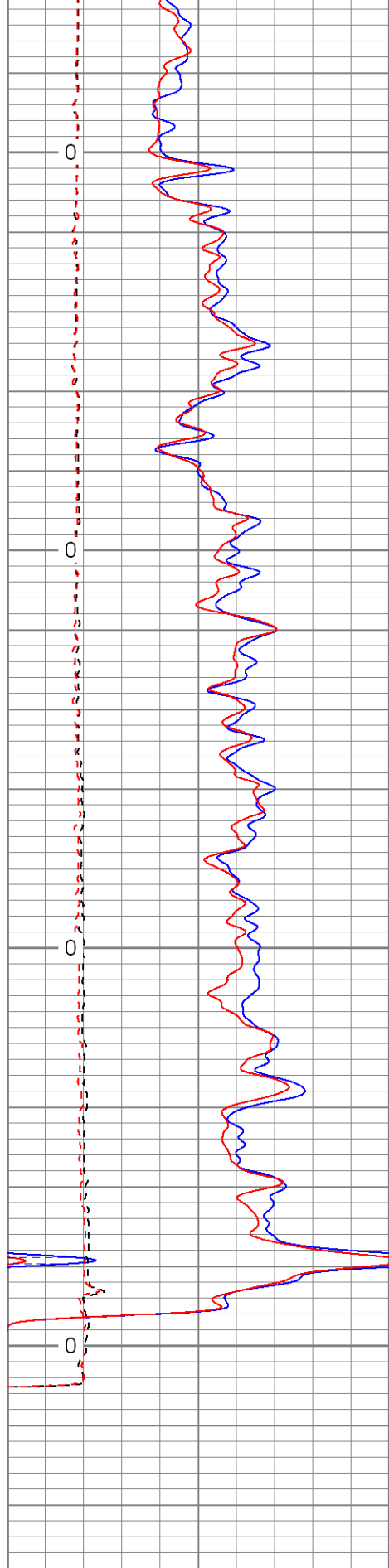
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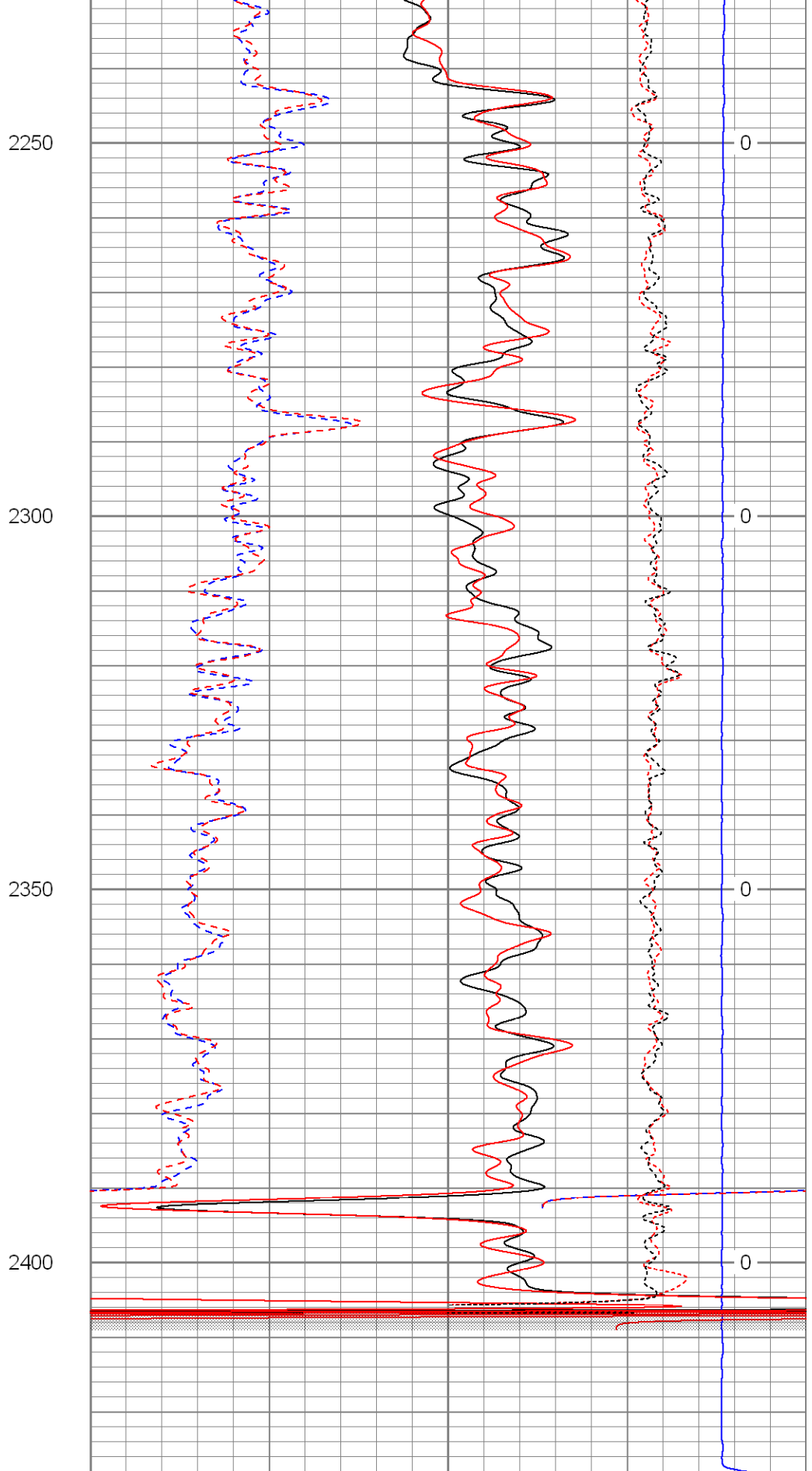
Repeat Pass

Database File: xtoge3215.db
Dataset Pathname: pass1.1
Presentation Format: cdnl
Dataset Creation: Fri Aug 08 01:10:31 2008 by Calc Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
0	GR-repeat (GAPI)	200	30	NPOR-repeat (pu)	-10
6	DCAL-repeat (in)	16	30	DPOR-repeat (pu)	-10
TBHV (ft3)			-0.5	RHOC (g/cc)	0.5
			7000	LTEN (lb)	0
			-0.5	RHOC-repeat (g/cc)	0.5
			ABHV (ft3)		



0	GR (GAPI)	200
6	DCAL (in)	16
0	GR-repeat (GAPI)	200
6	DCAL-repeat (in)	16
TBHV (ft3)		



30	NPOR (pu)	-10
30	DPOR (pu)	-10
30	NPOR-repeat (pu)	-10
30	DPOR-repeat (pu)	-10
RHOC (g/cc)		

7000	LTEN (lb)	0
-0.5	RHOC-repeat (g/cc)	0.5
		ABHV (ft3)



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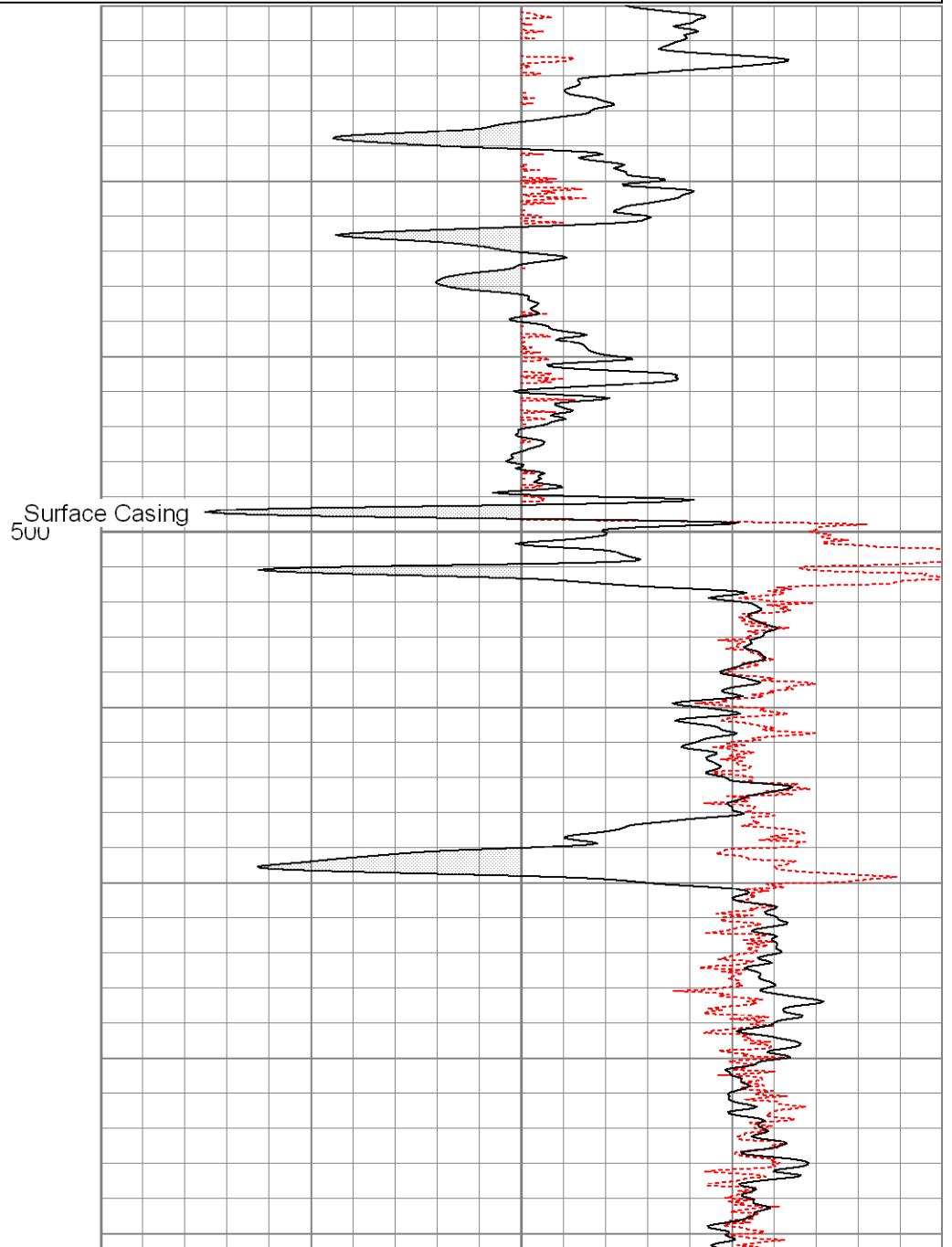
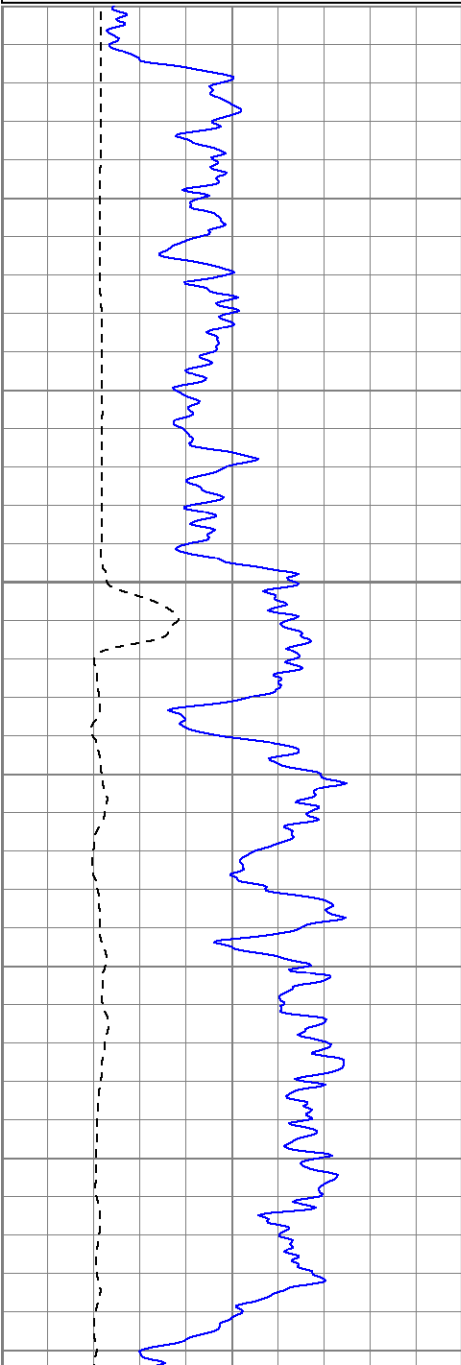
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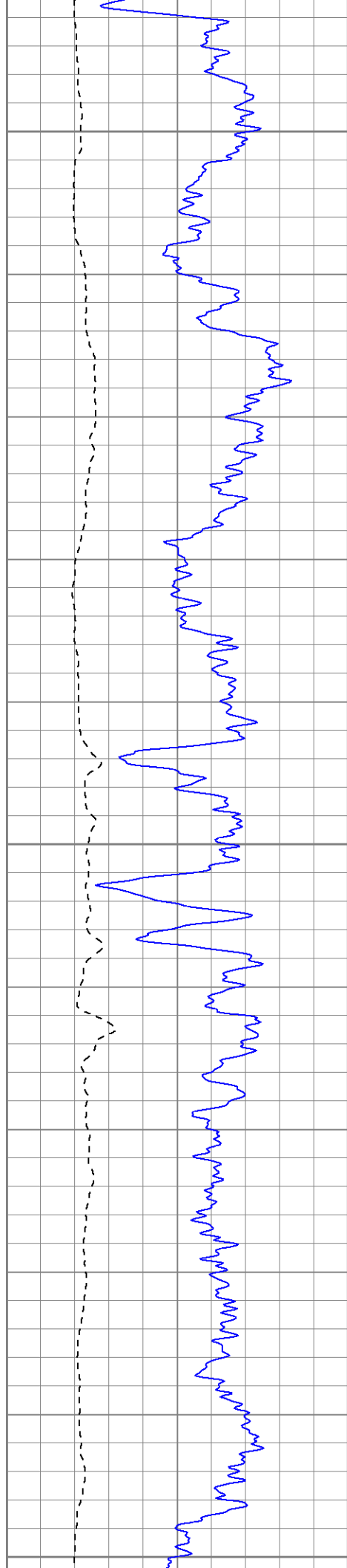
High Resolution Pass

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Presentation Format: cdlhr
Dataset Creation: Fri Aug 08 14:05:32 2008 by Calc Open-Cased 071220
Charted by: Depth in Feet scaled 1:120

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6	DCAL (in)	16

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

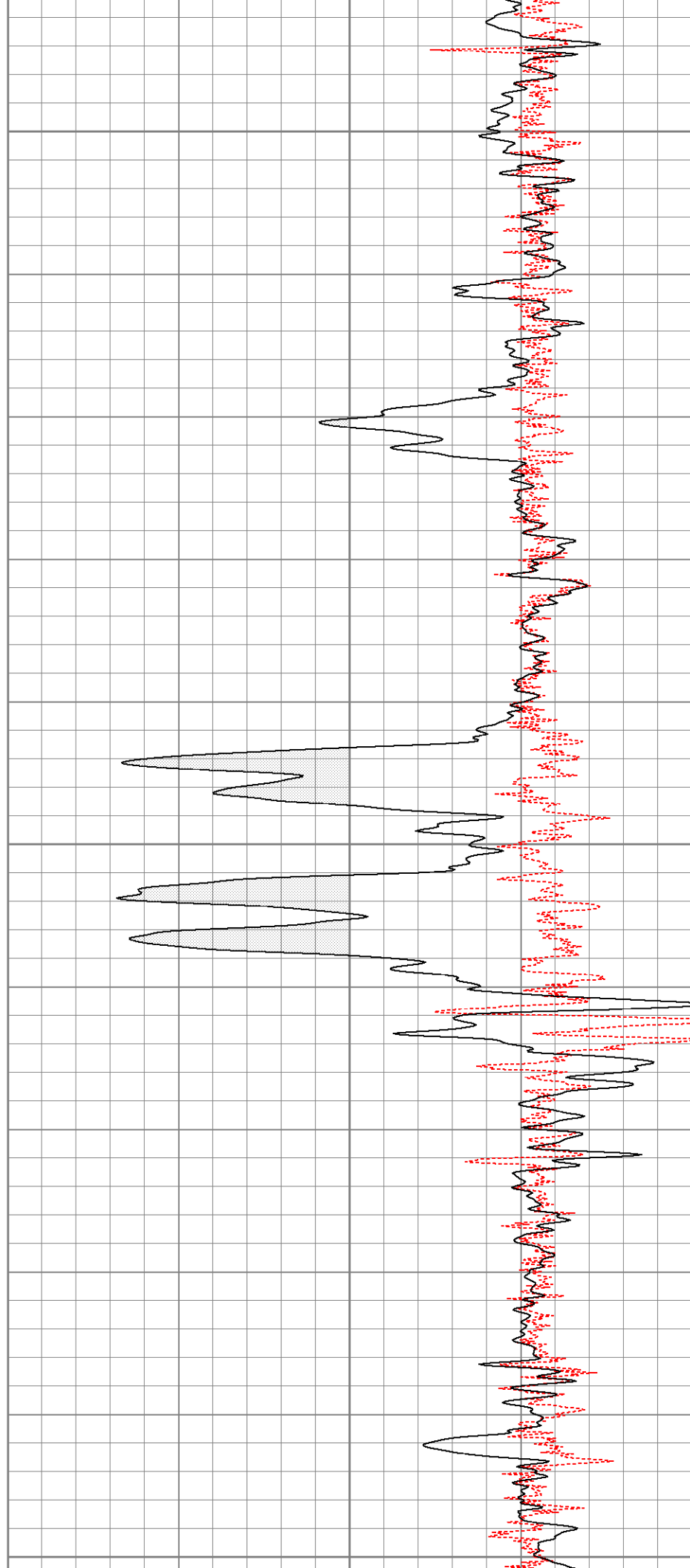


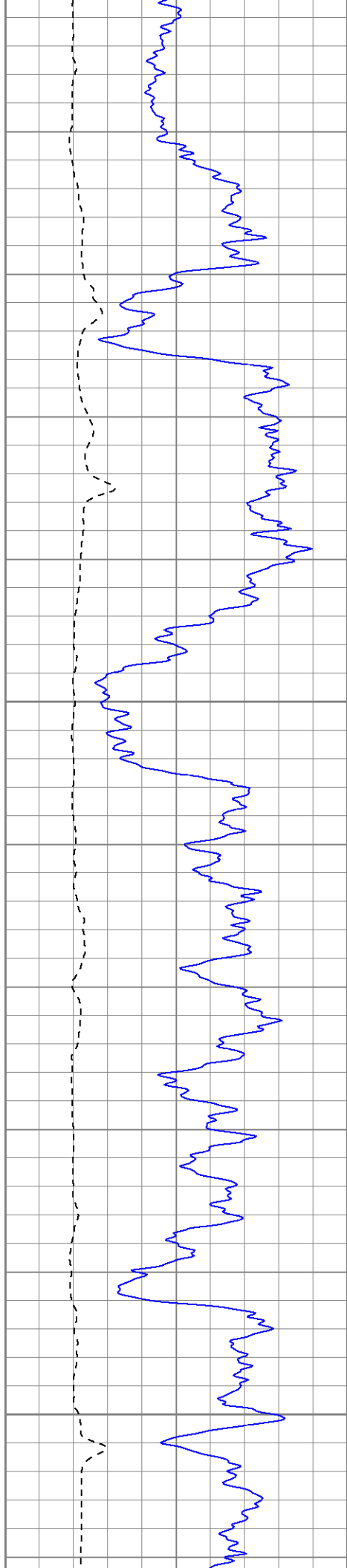


550

600

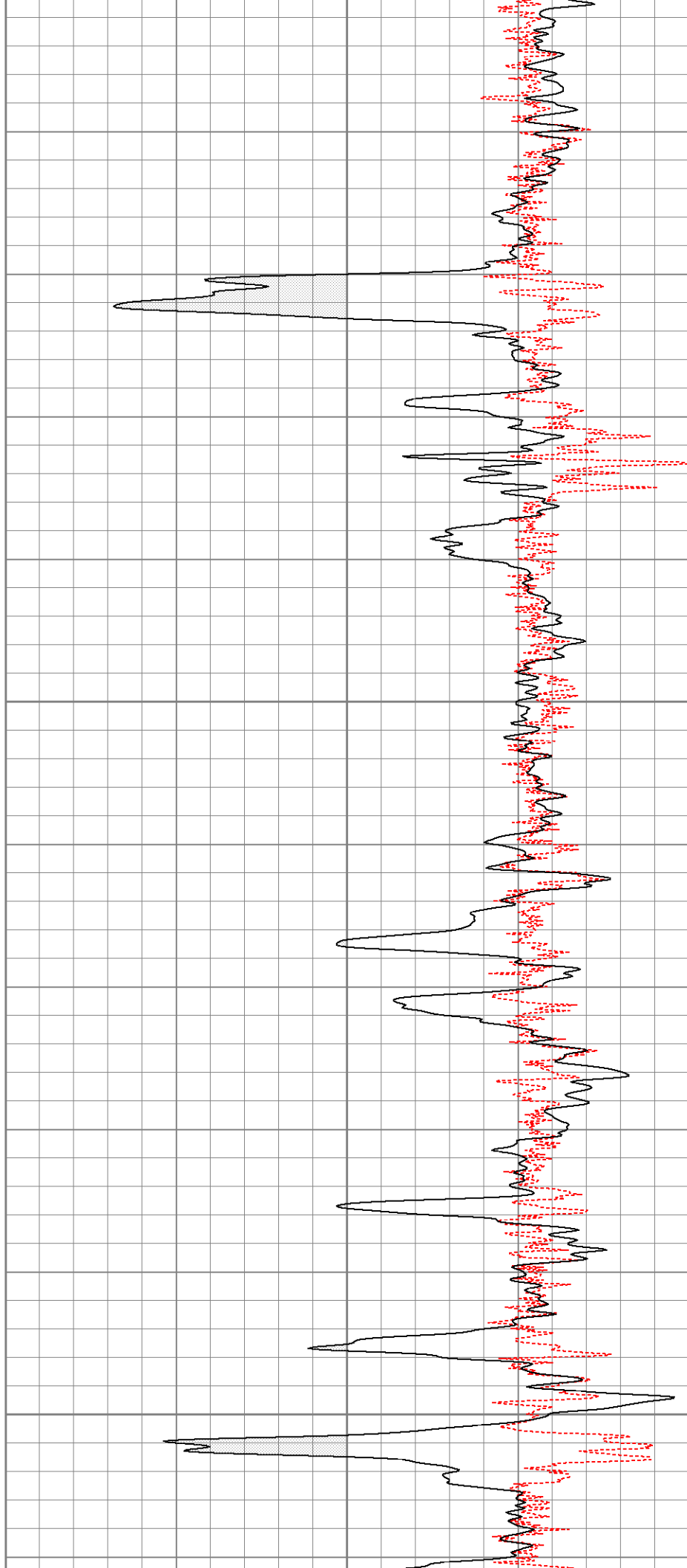
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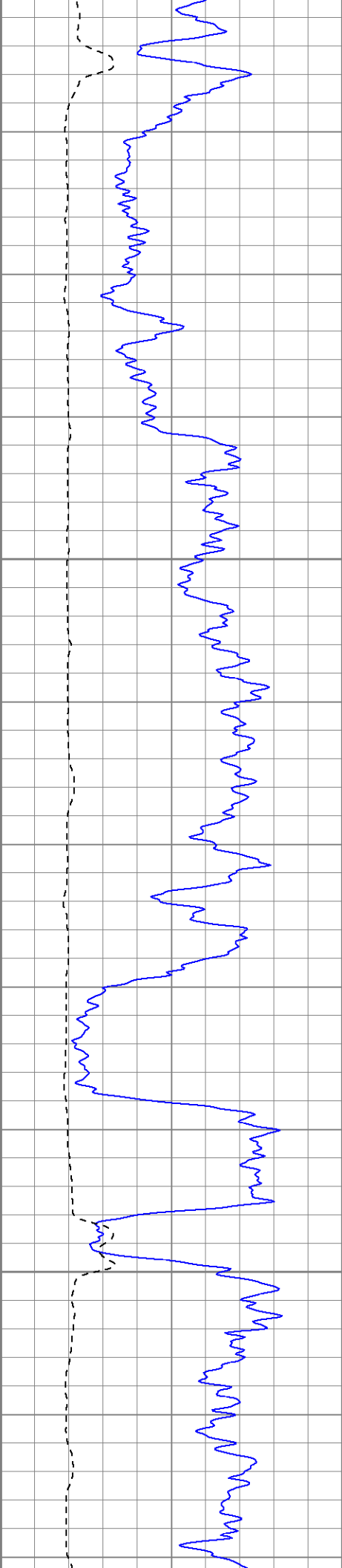




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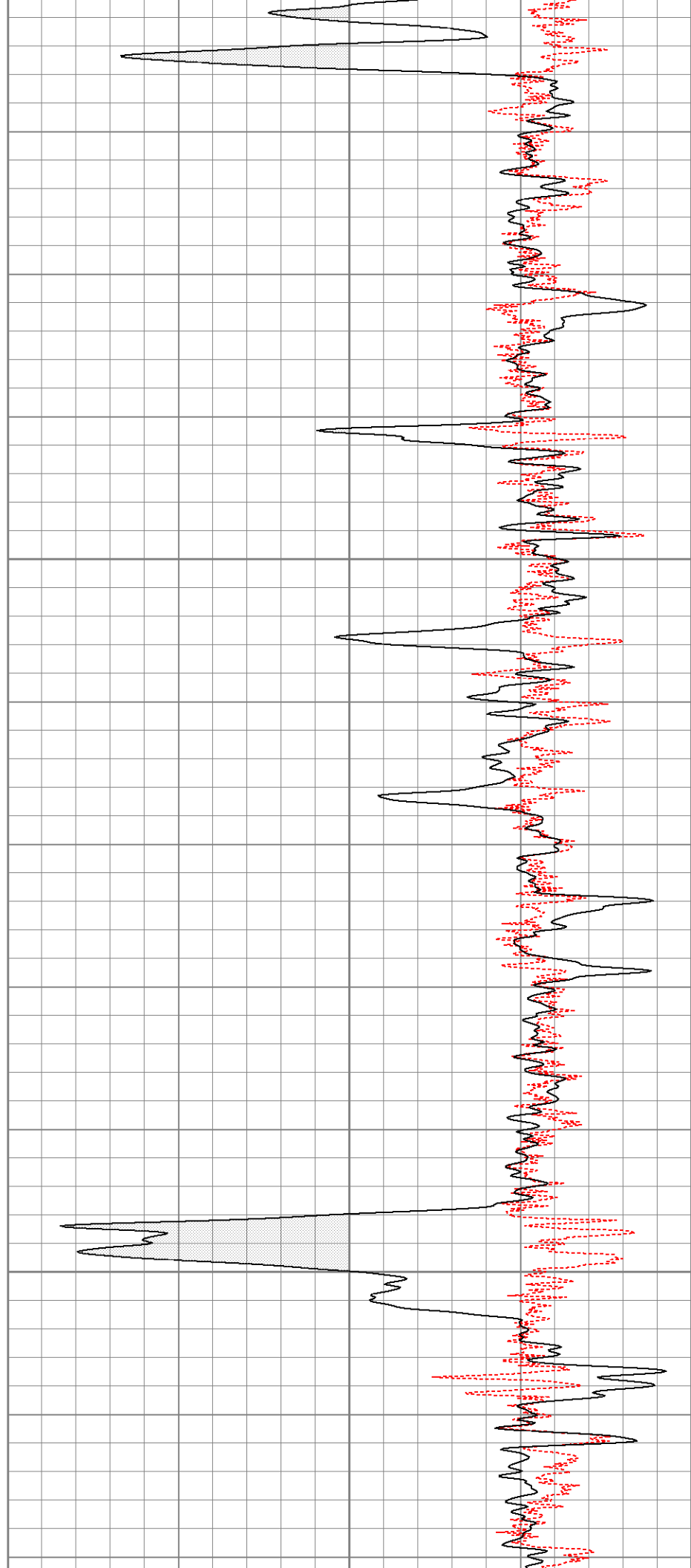
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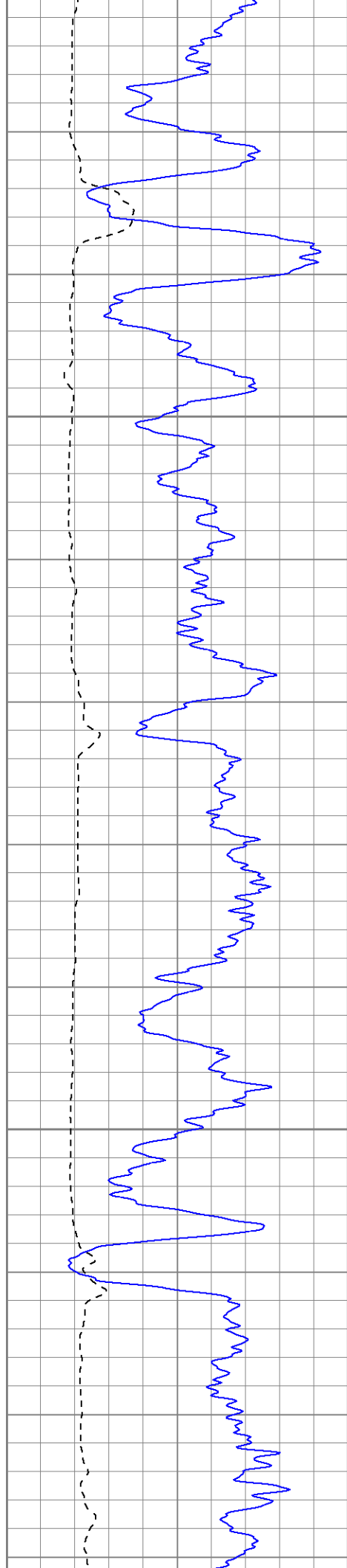




800

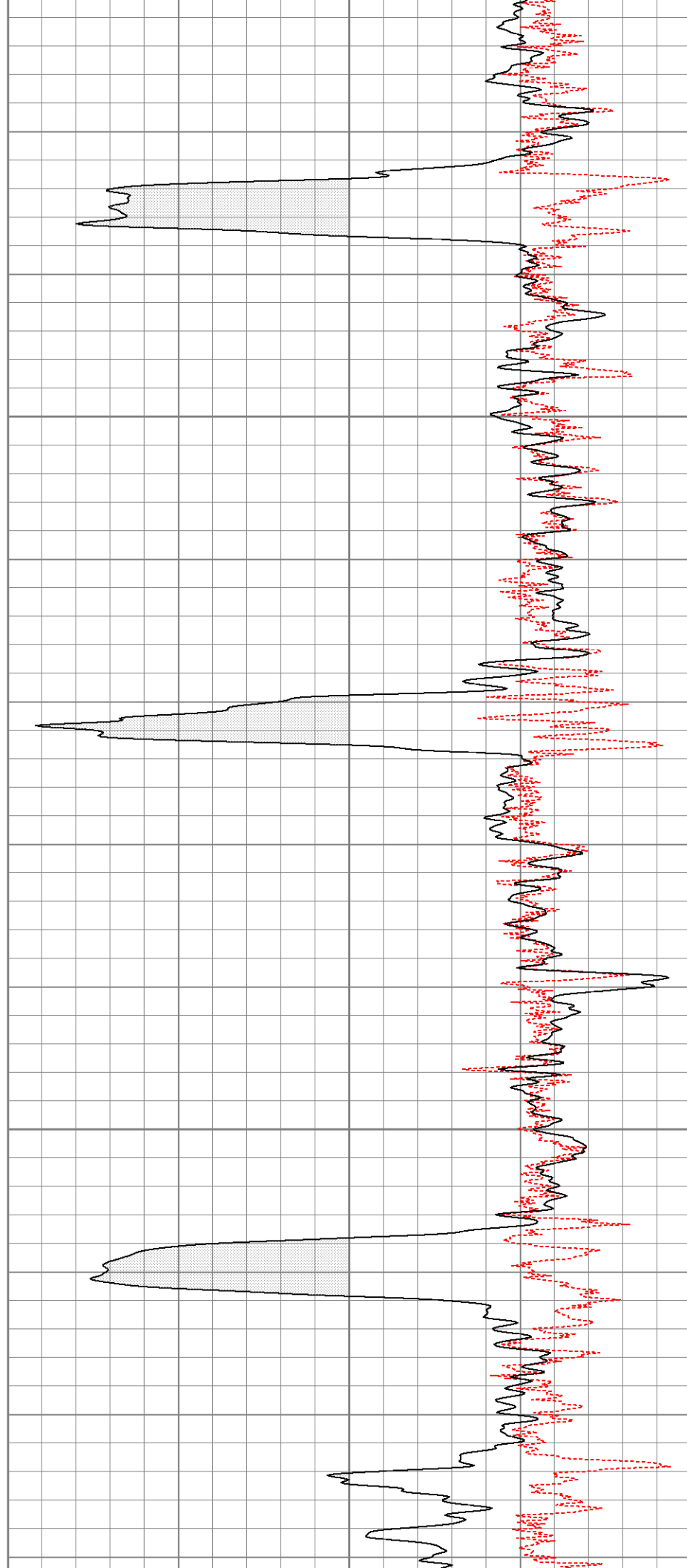
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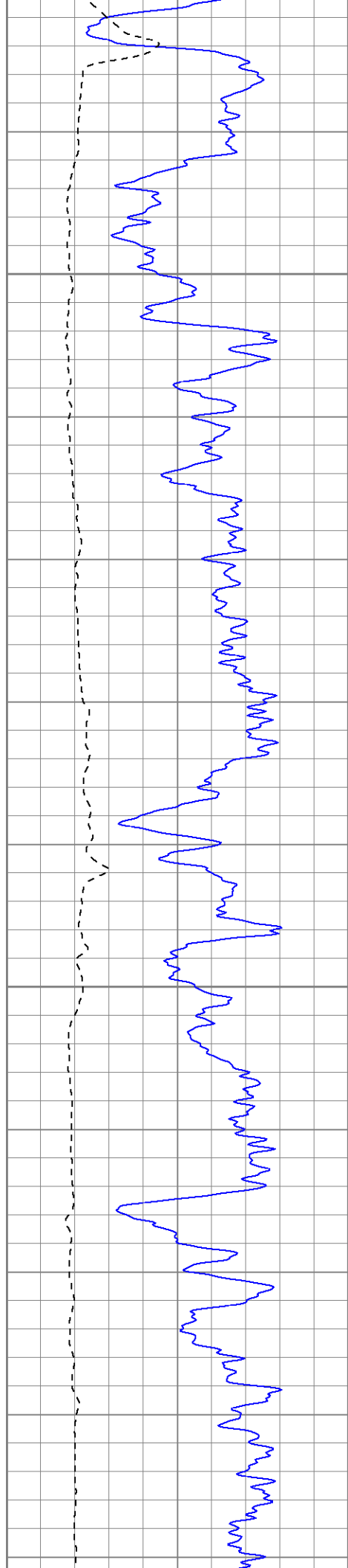




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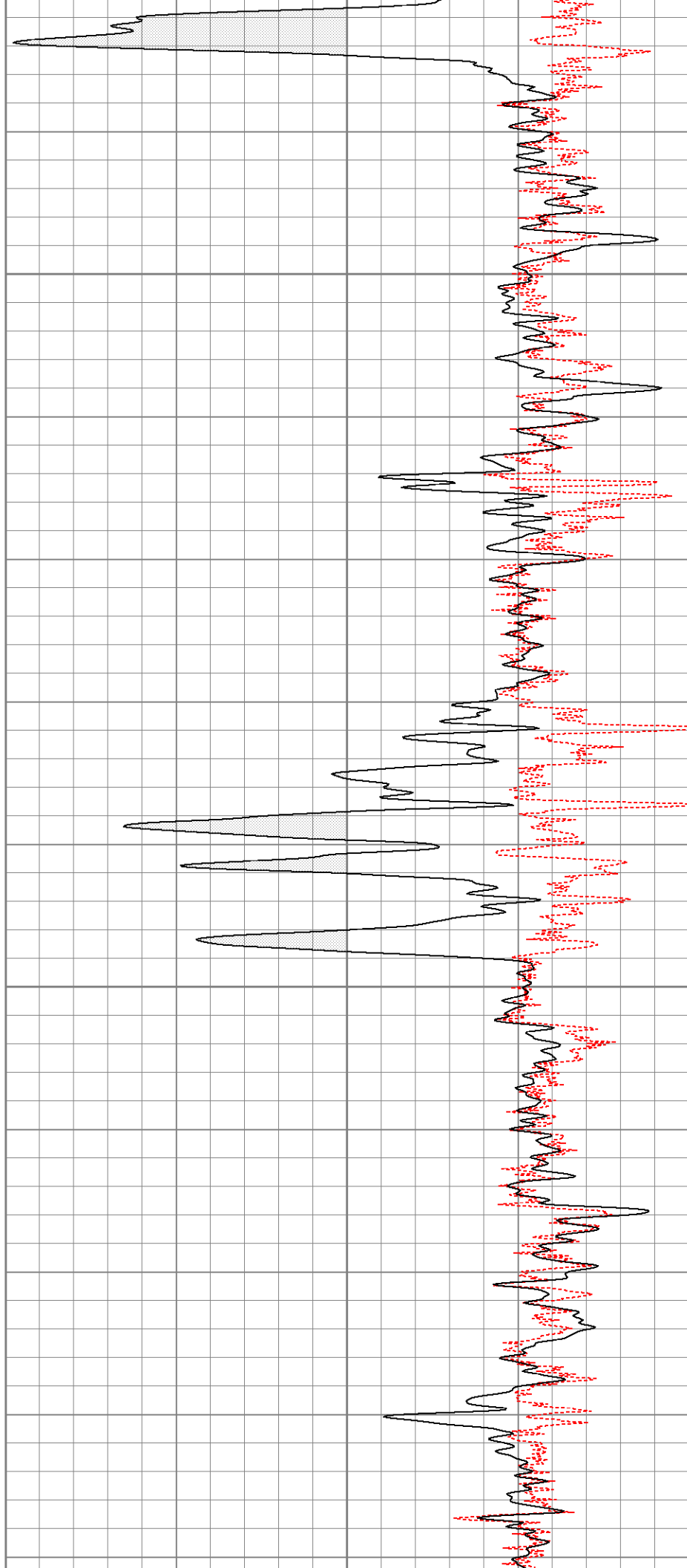
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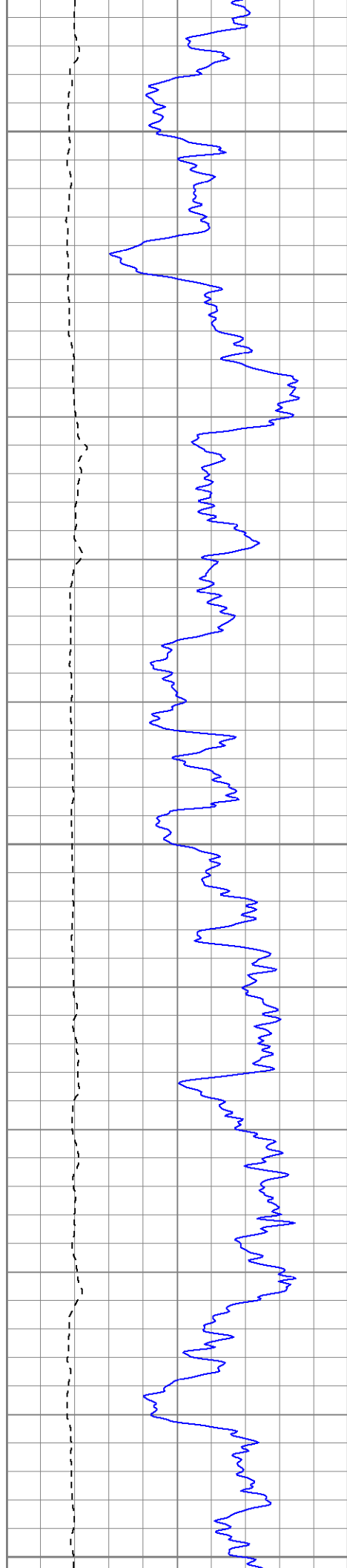




1000

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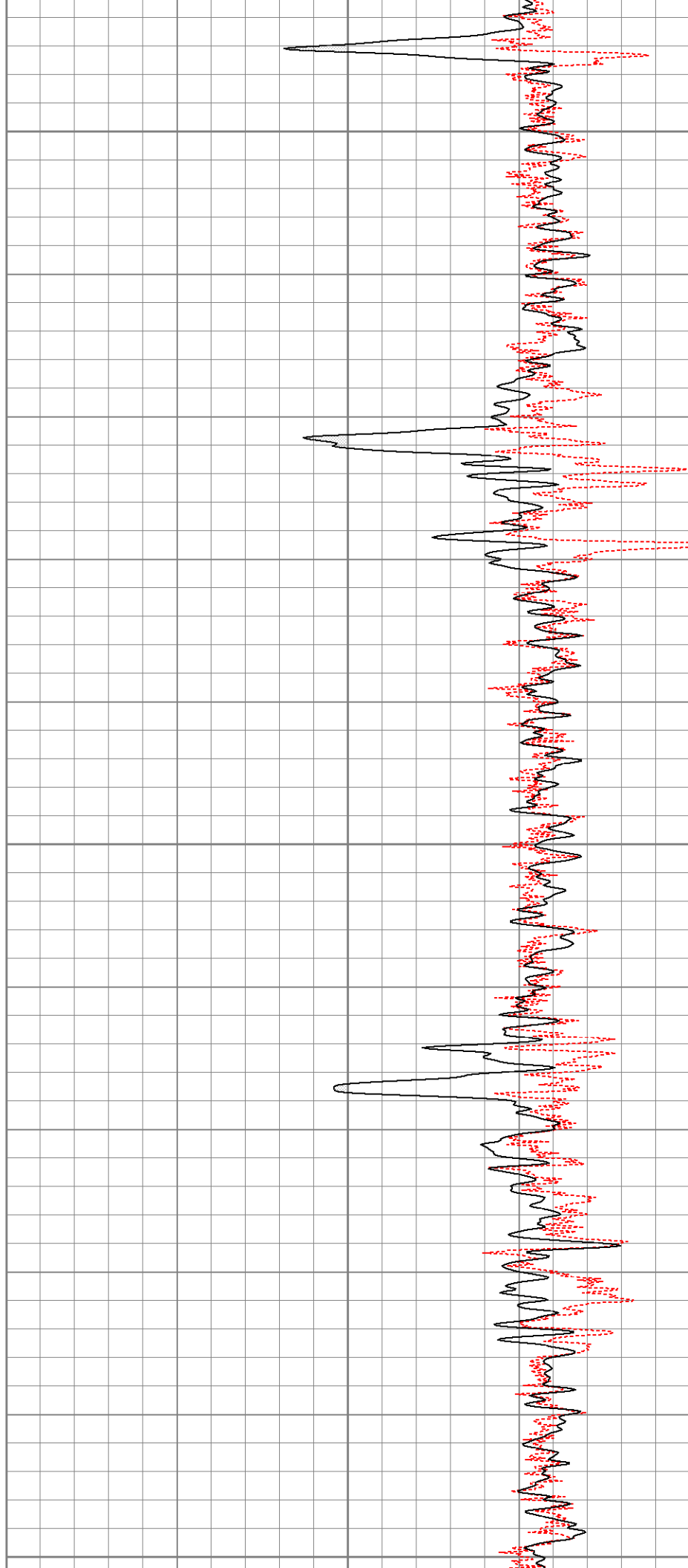


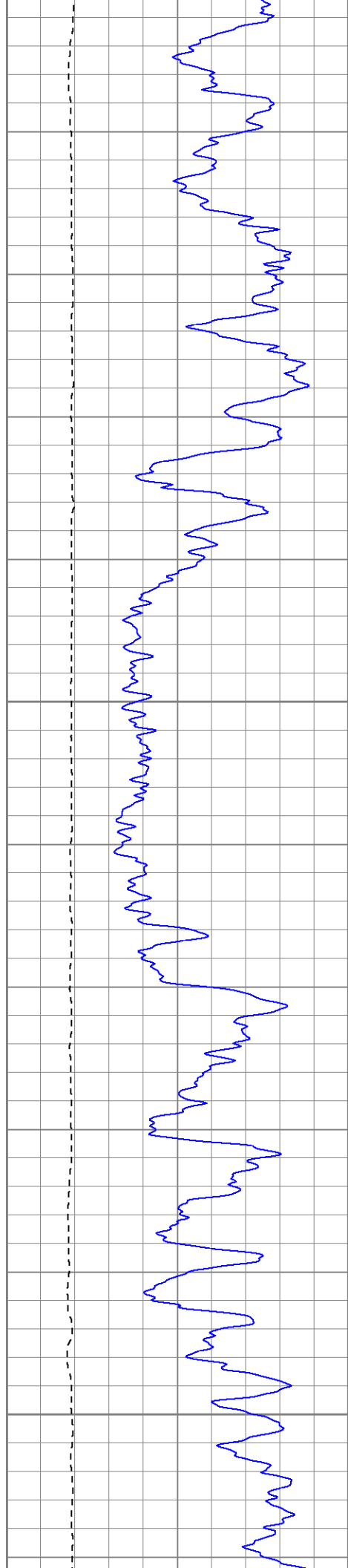


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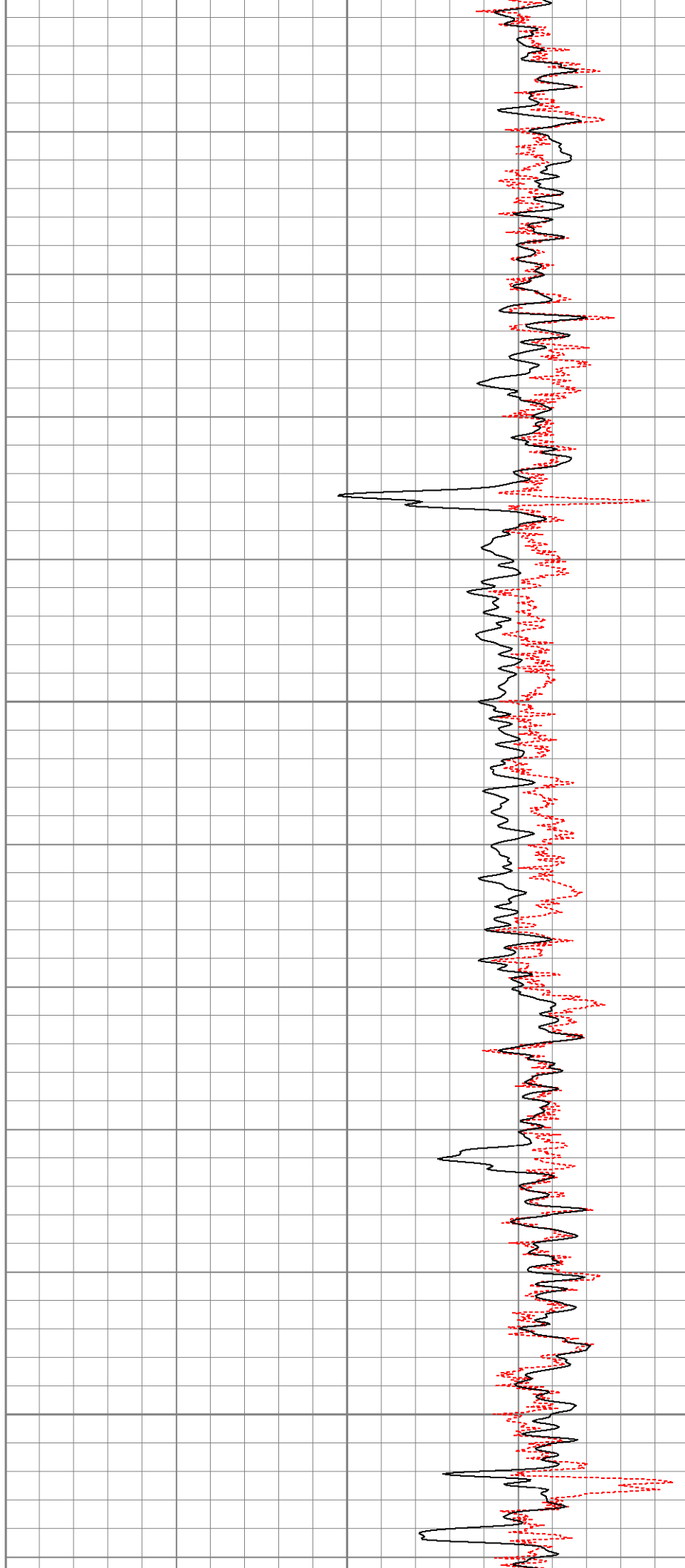
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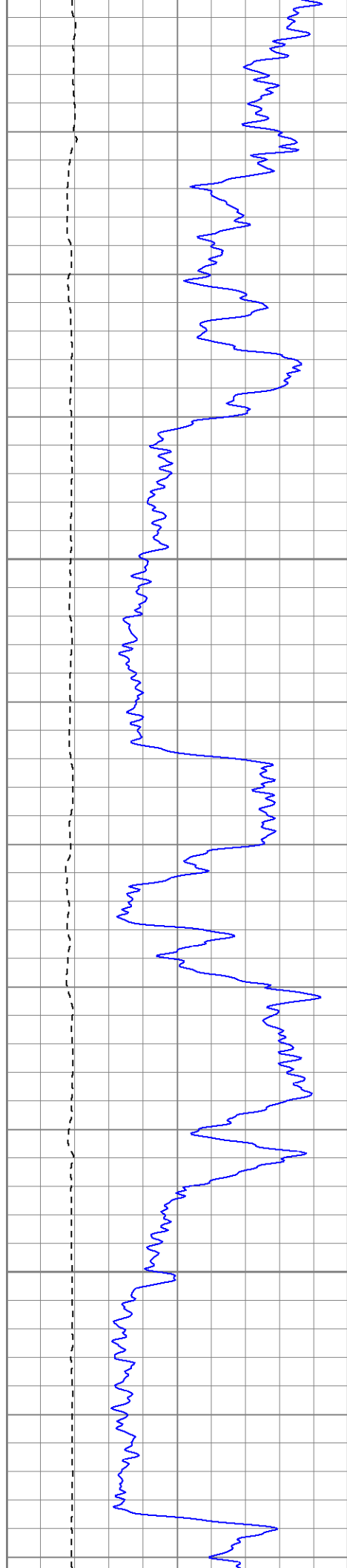




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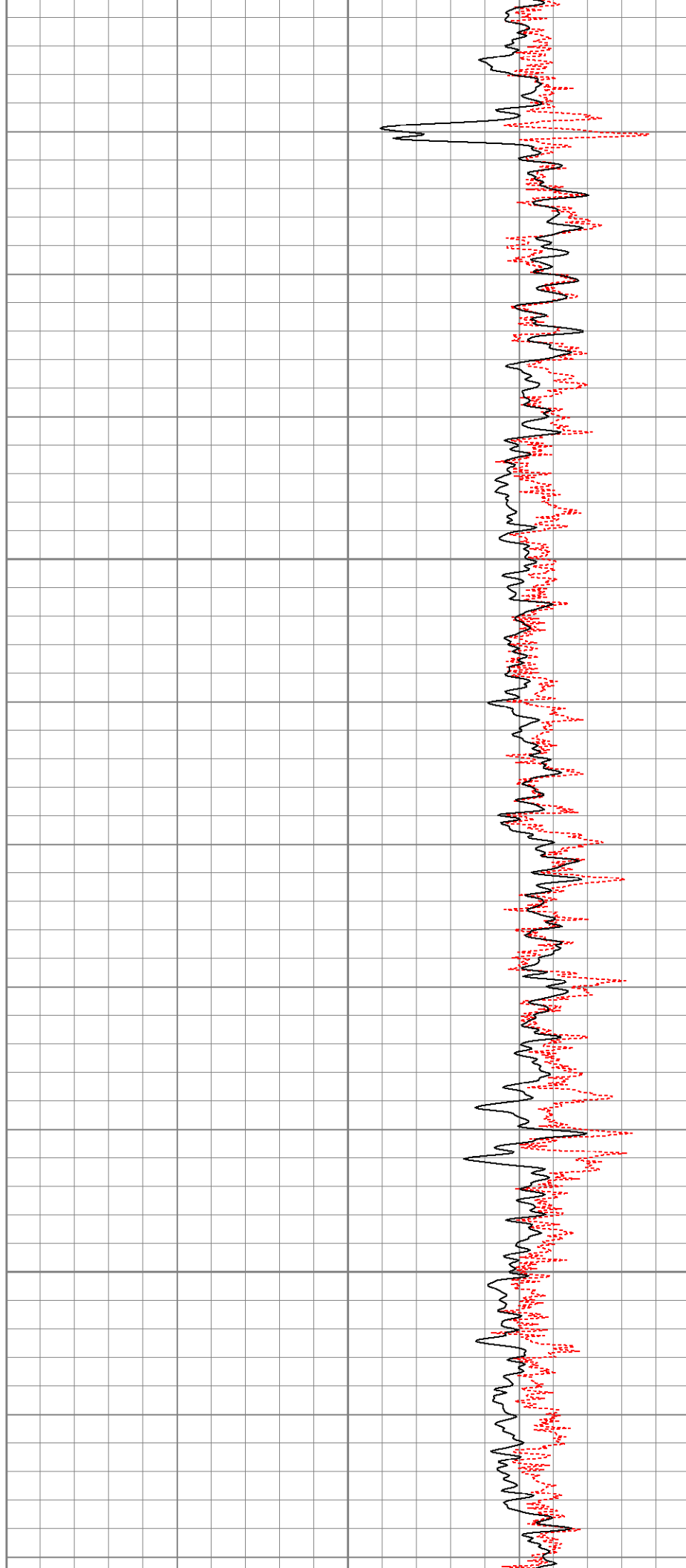
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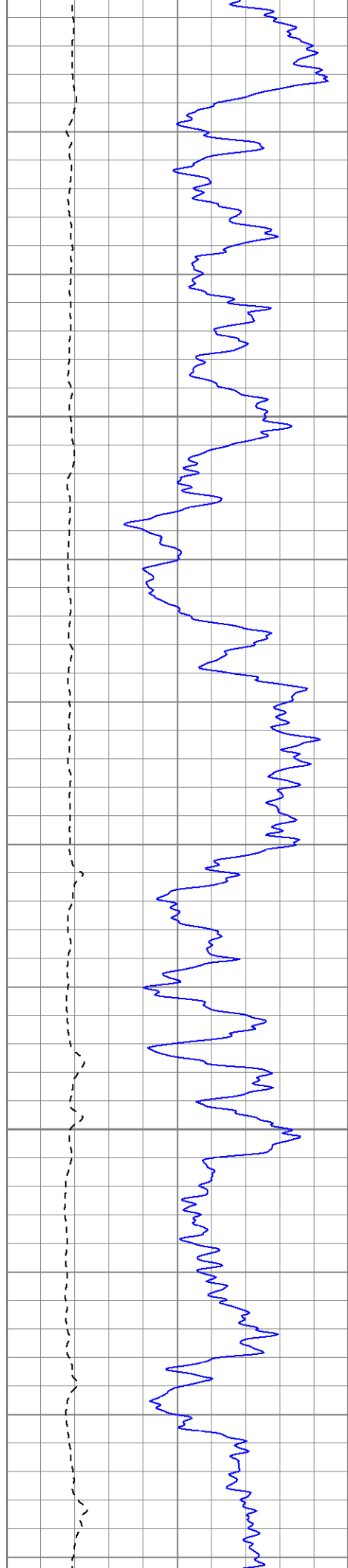




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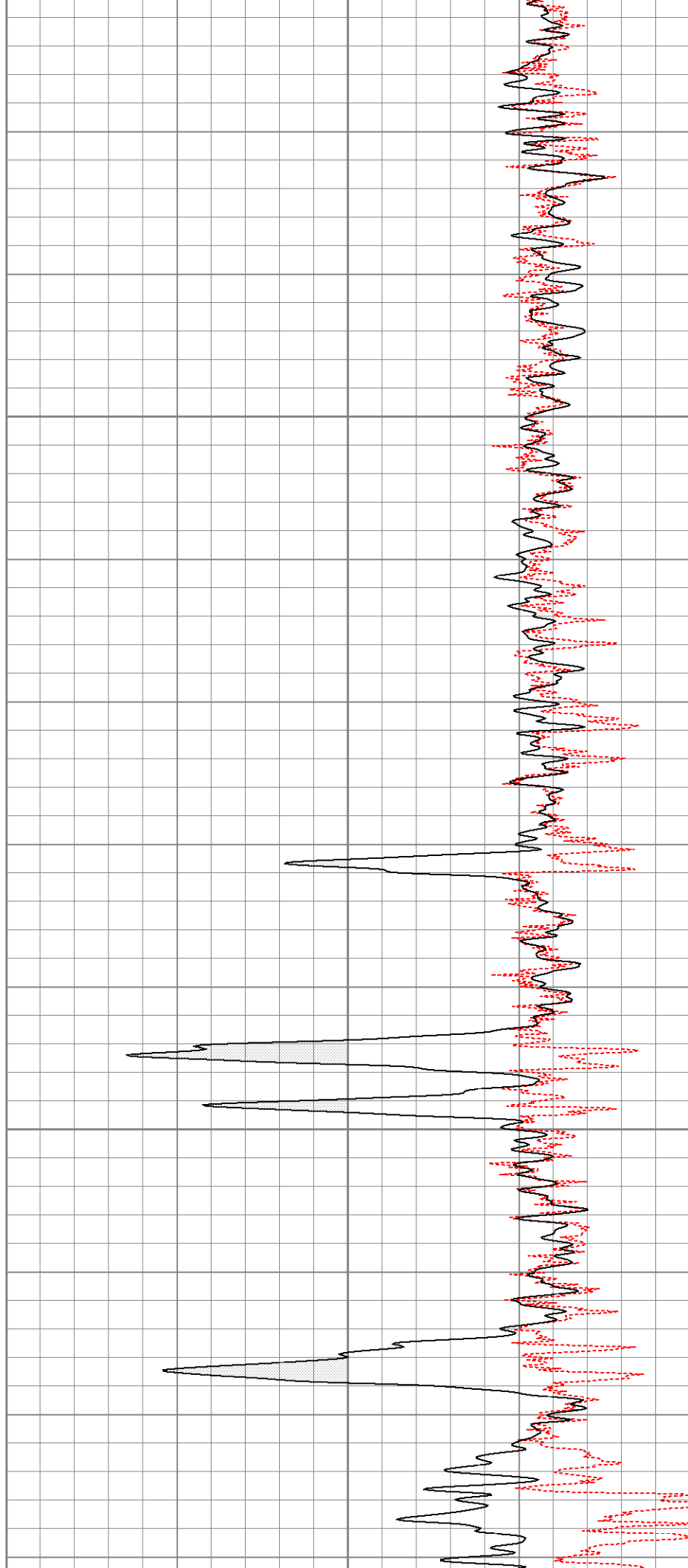
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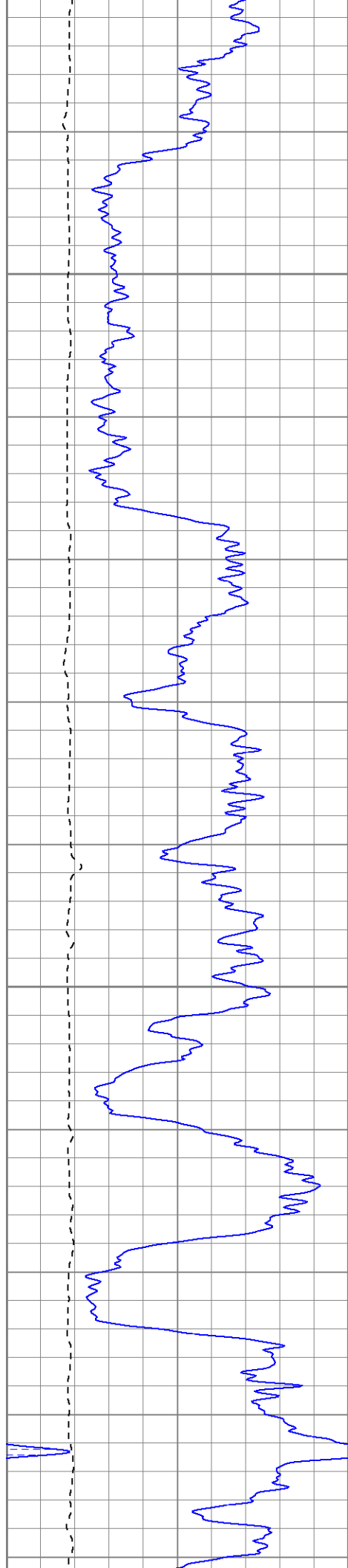




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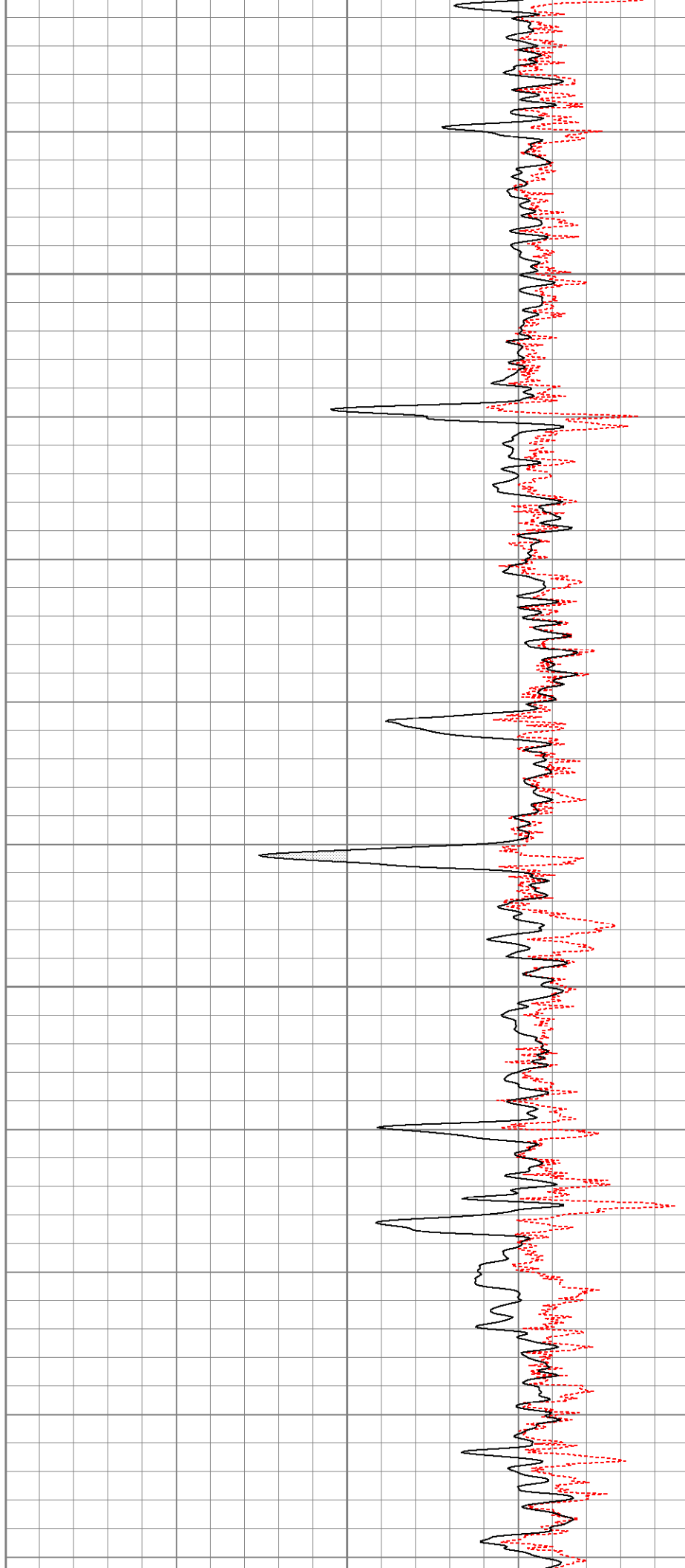
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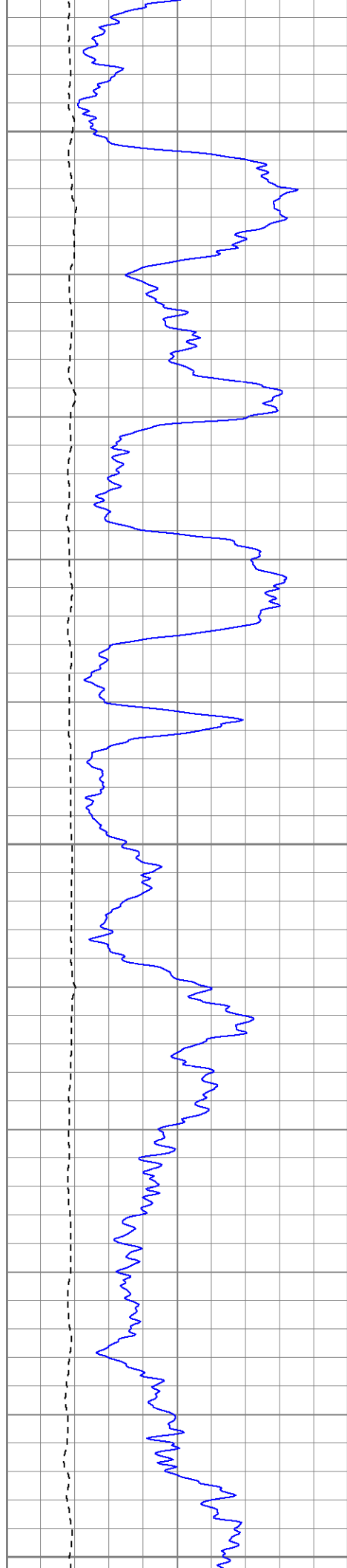




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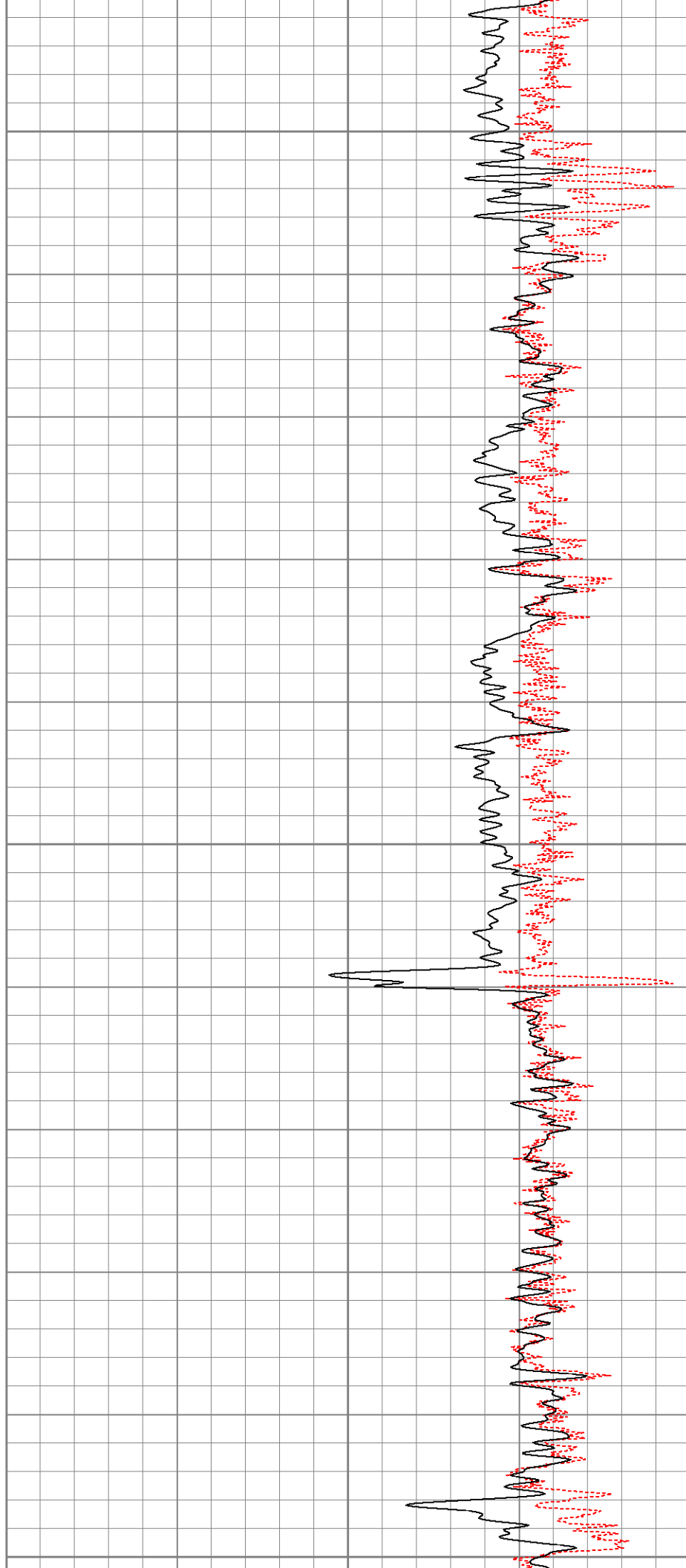


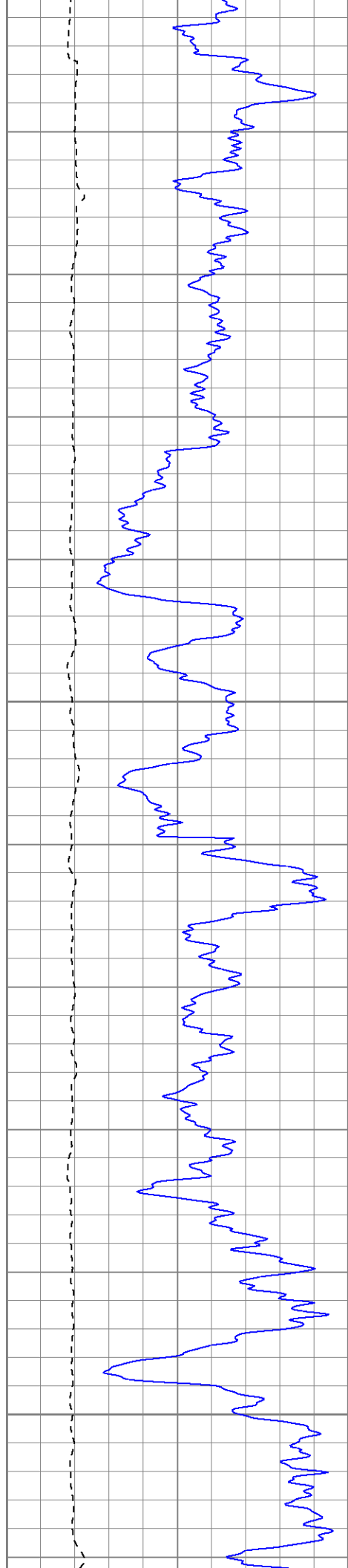


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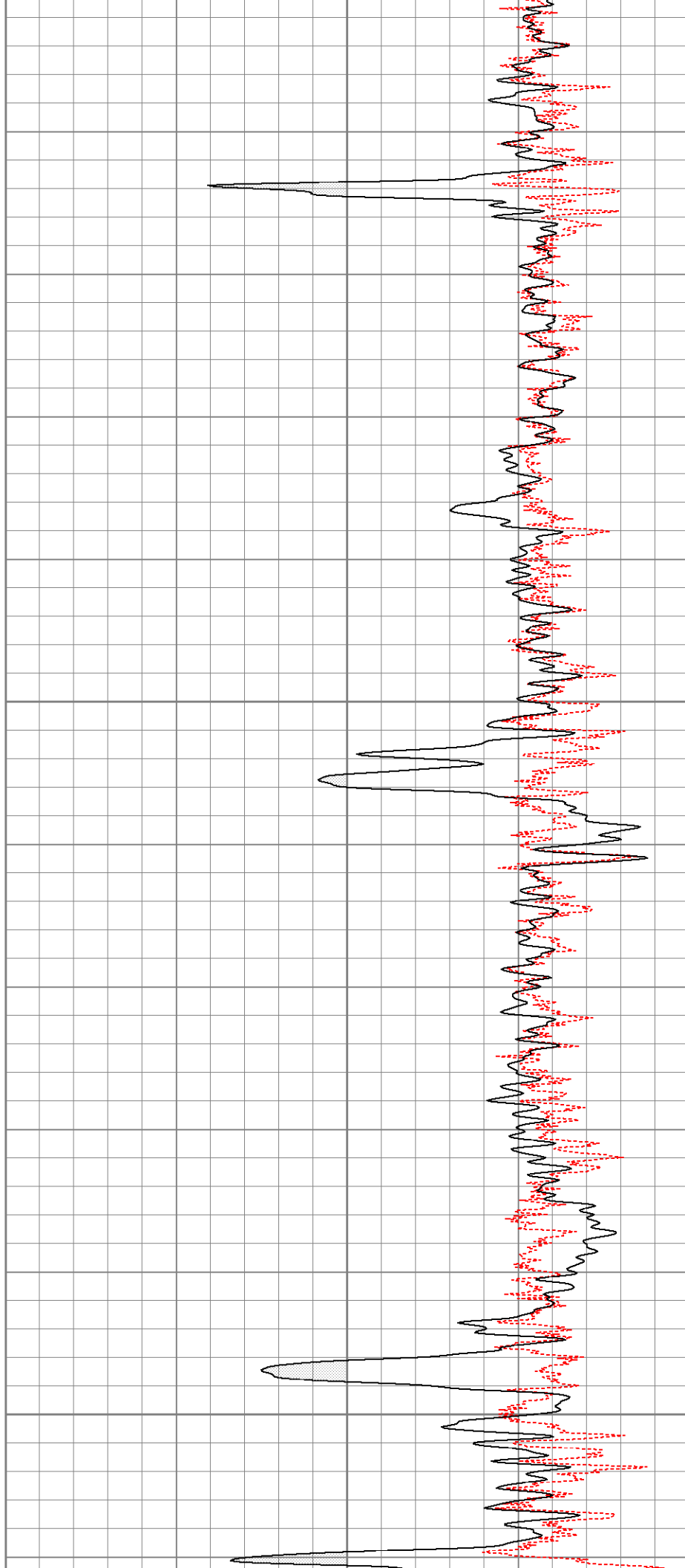
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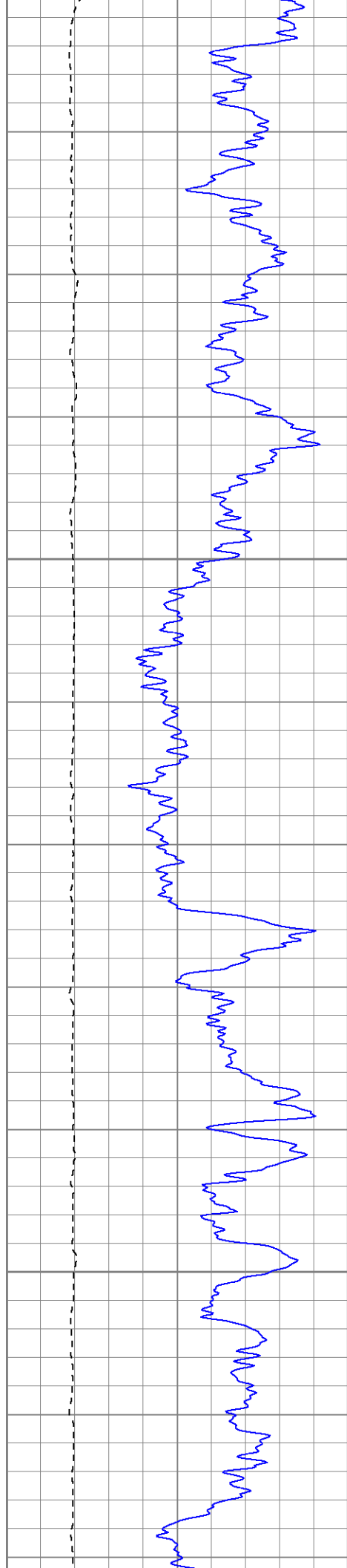




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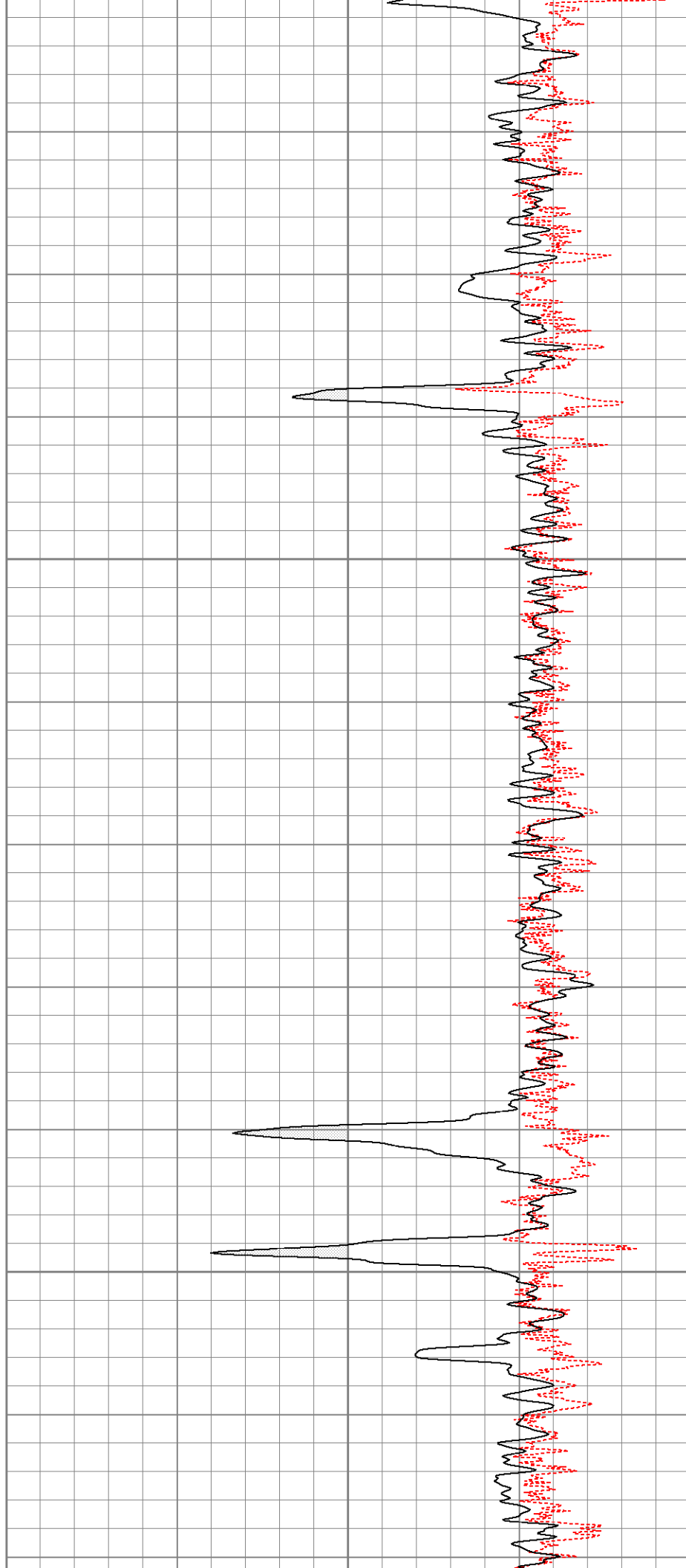
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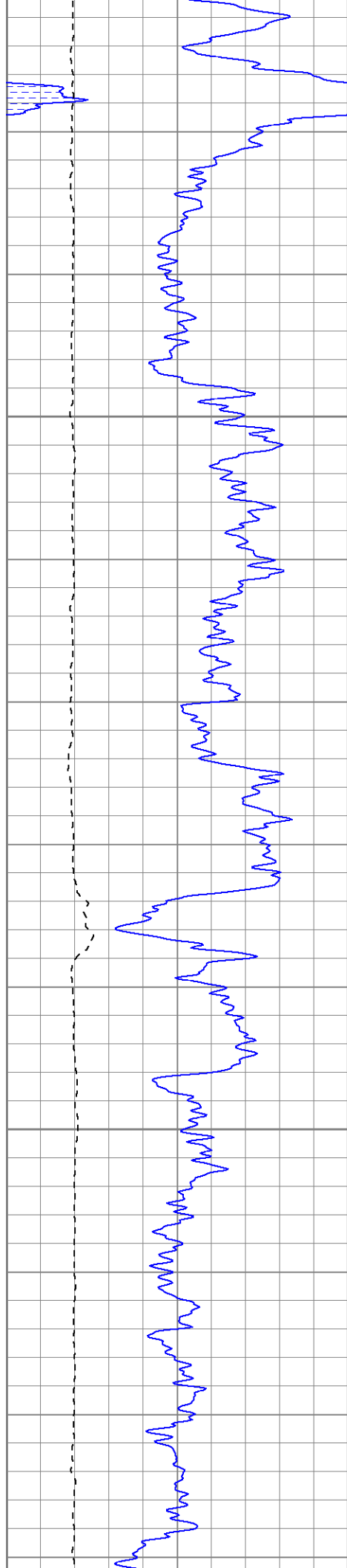




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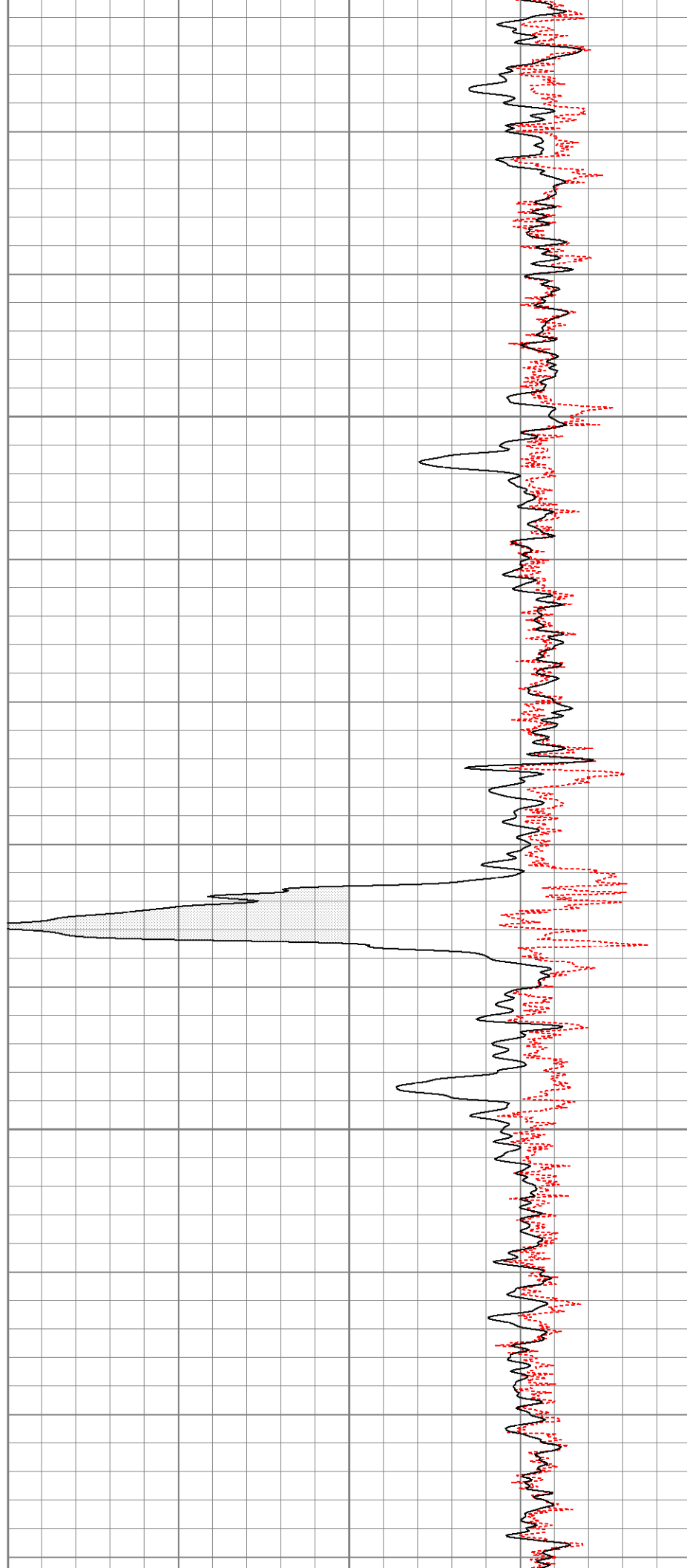
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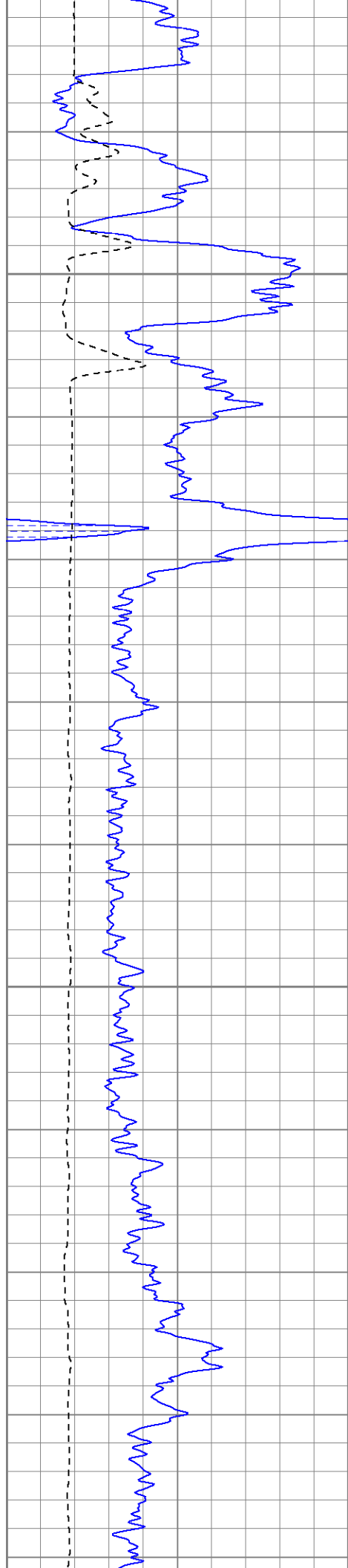




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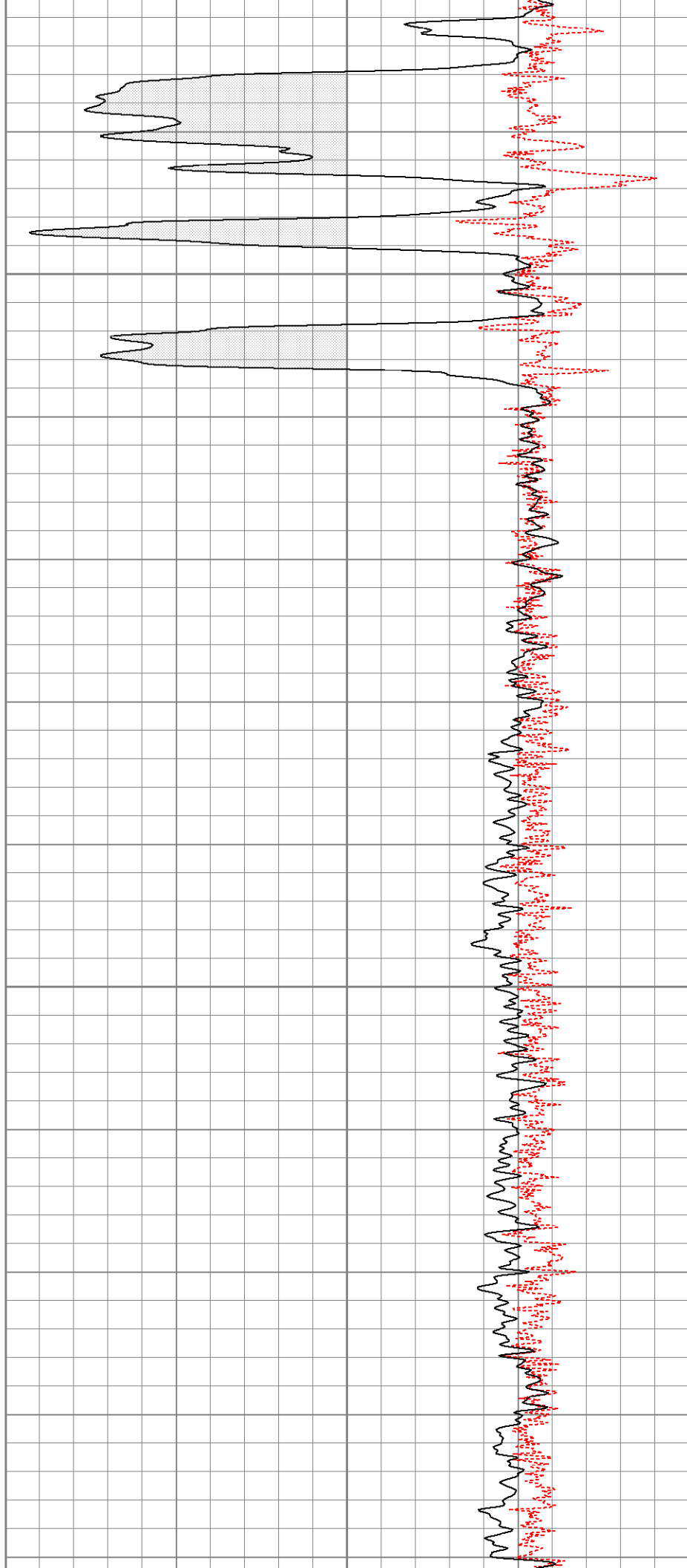
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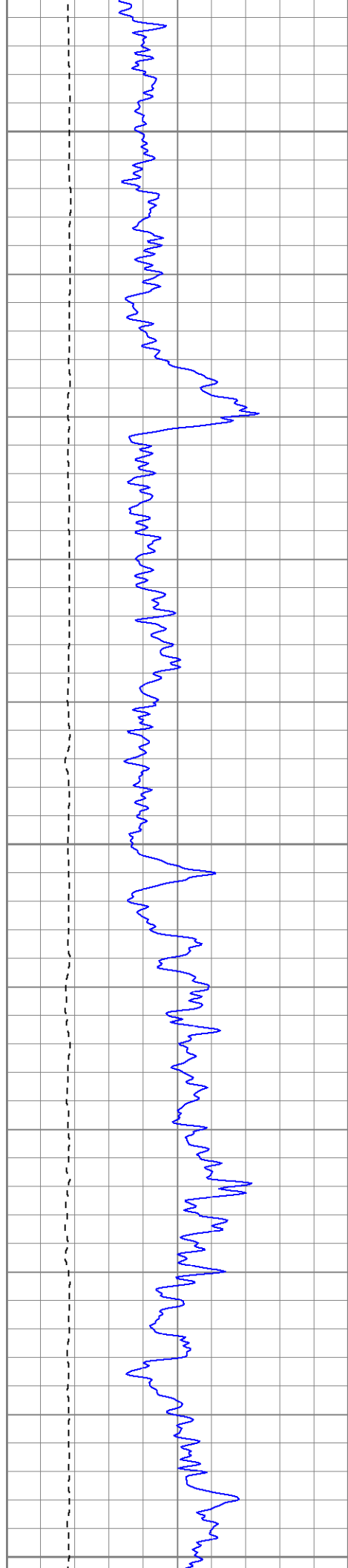




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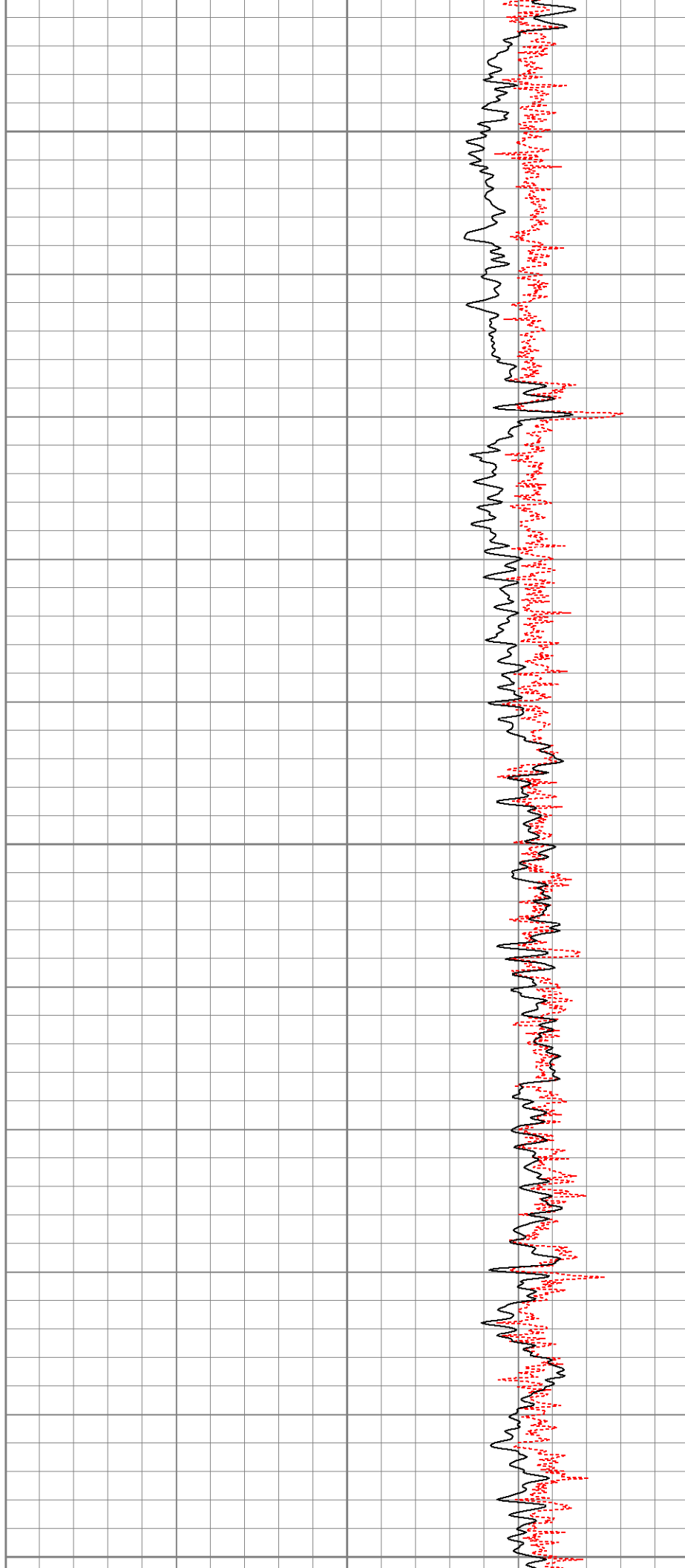


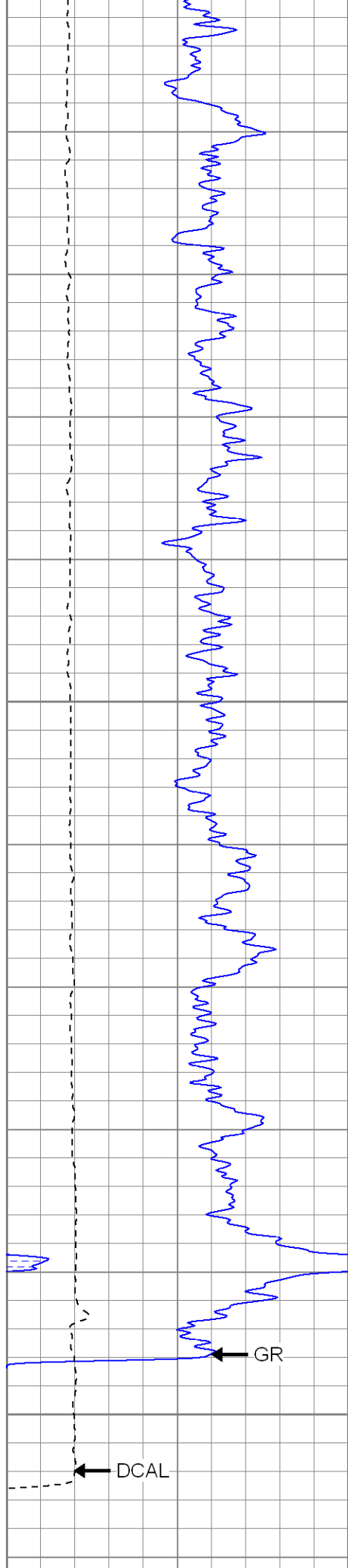


2200

2250

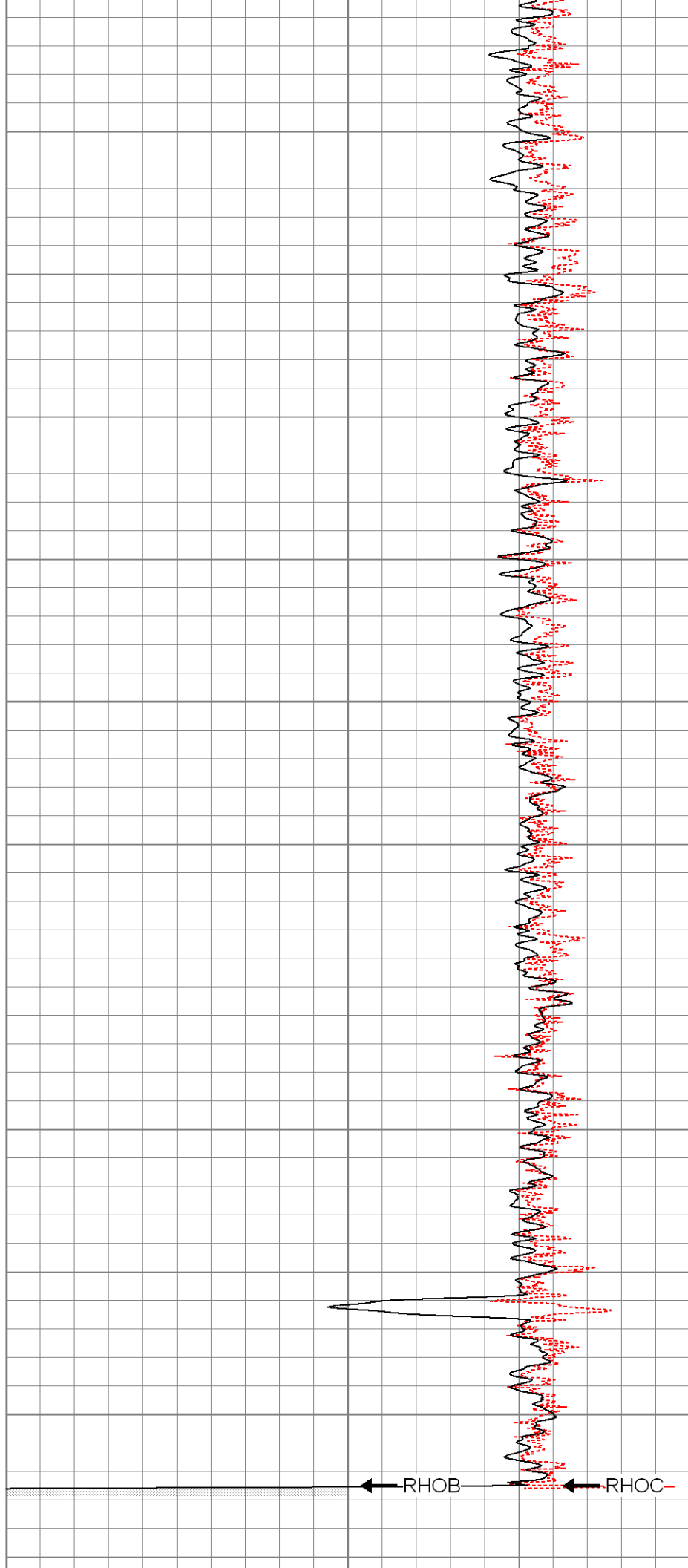
2300





2350

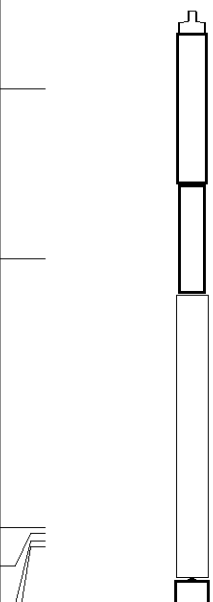
2400



Temperature Calibration Report				
Serial Number:	2542T			
Tool Model:	CDLP			
Performed:	Tue Aug 05 09:48:23 2008			
	Reference	Reading		
Low Reference:	55.00 degF	3.11	V	
High Reference:	160.00 degF	5.35	V	
Gain:	46.88			
Offset:	-90.78			
Delta Spacing	1			

Compensated Density Calibration Report					
Serial-Model:			2542-T2		
Source / Verifier:			/		
Master Calibration Performed:			Mon Jul 28 13:42:24 2008		
Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	752.30	348.71	cps
Aluminum	2.590	g/cc	169.53	241.91	cps
	Spine Angle = 76.21		Density/Spine Ratio = 0.574		
	Size		Reading		
Small Ring	8.20	in	1.33	V	
Large Ring	14.00	in	2.67	V	

Gamma Ray Calibration Report			
Serial Number:	2001		
Tool Model:	OH		
Performed:	Thu Jul 24 15:21:22 2008		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2500	GAPI/cps	
Neutron Calibration Report			
Serial Number:	5108		
Tool Model:	PROBE		
Performed:	Tue Aug 05 10:08:44 2008		
Calibrator Value:	1	NAPI	
Calibrator Reading:	1	cps	
Sensitivity:	1	NAPI/cps	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
NEU	37.47		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe Epithermal	4.92	3.63	85.00
GR	31.94		GR-OH (2001) 2001	3.56	3.25	40.00
			CDL-T2 (2542) Gearhart	9.29	4.00	201.00
LSD	23.19		TEMP-CDLP (2542T) Temp Probe	0.01	1.00	1.00
DCAL	22.98					
SSD	22.73					

