



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

COMPENSATED DENSITY NEUTRON LOG

Company XTO Energy Inc.
Well Golden Eagle 32-08
Field Purgatoire River
County Las Animas State Colorado

Location: API # : 05 071 09107 00

2857' FNL & 758' FEL

SEC 32 TWP 33S RGE 67W

Permanent Datum Ground Level Elevation 7743'
Log Measured From Ground Level
Drilling Measured From Ground Level

Other Services
dill
Elevation
K.B. -----
D.F. -----
G.L. 7743'

Date 6-05-07

Run Number Two

Depth Driller 2360'

Depth Logger 2356'

Bottom Logged Interval 2354'

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 6:00 A.M.

Time Logger on Bottom 9:15 A.M.

Maximum Recorded Temperature 114 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. four miles, first drive thru location on right.

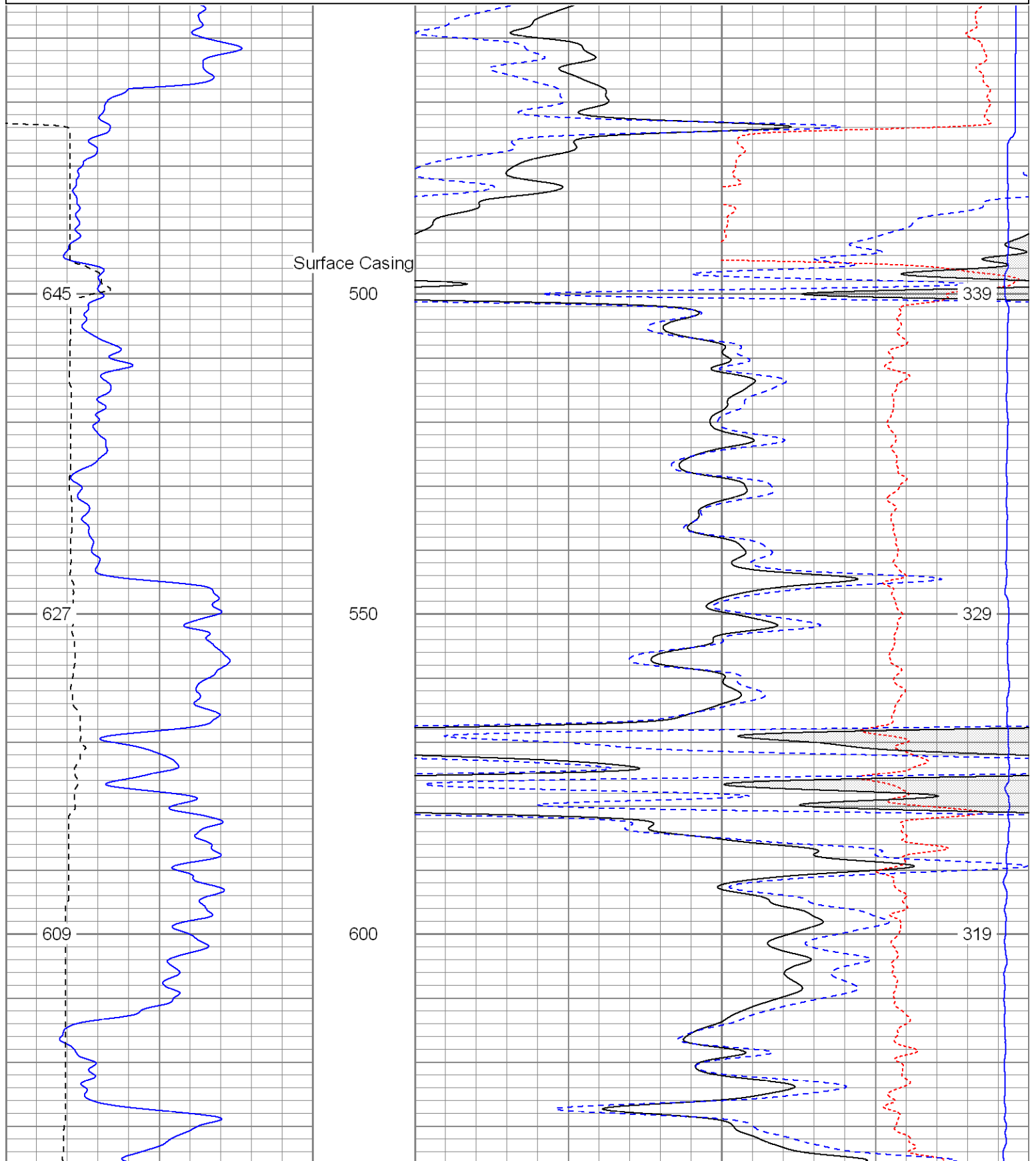


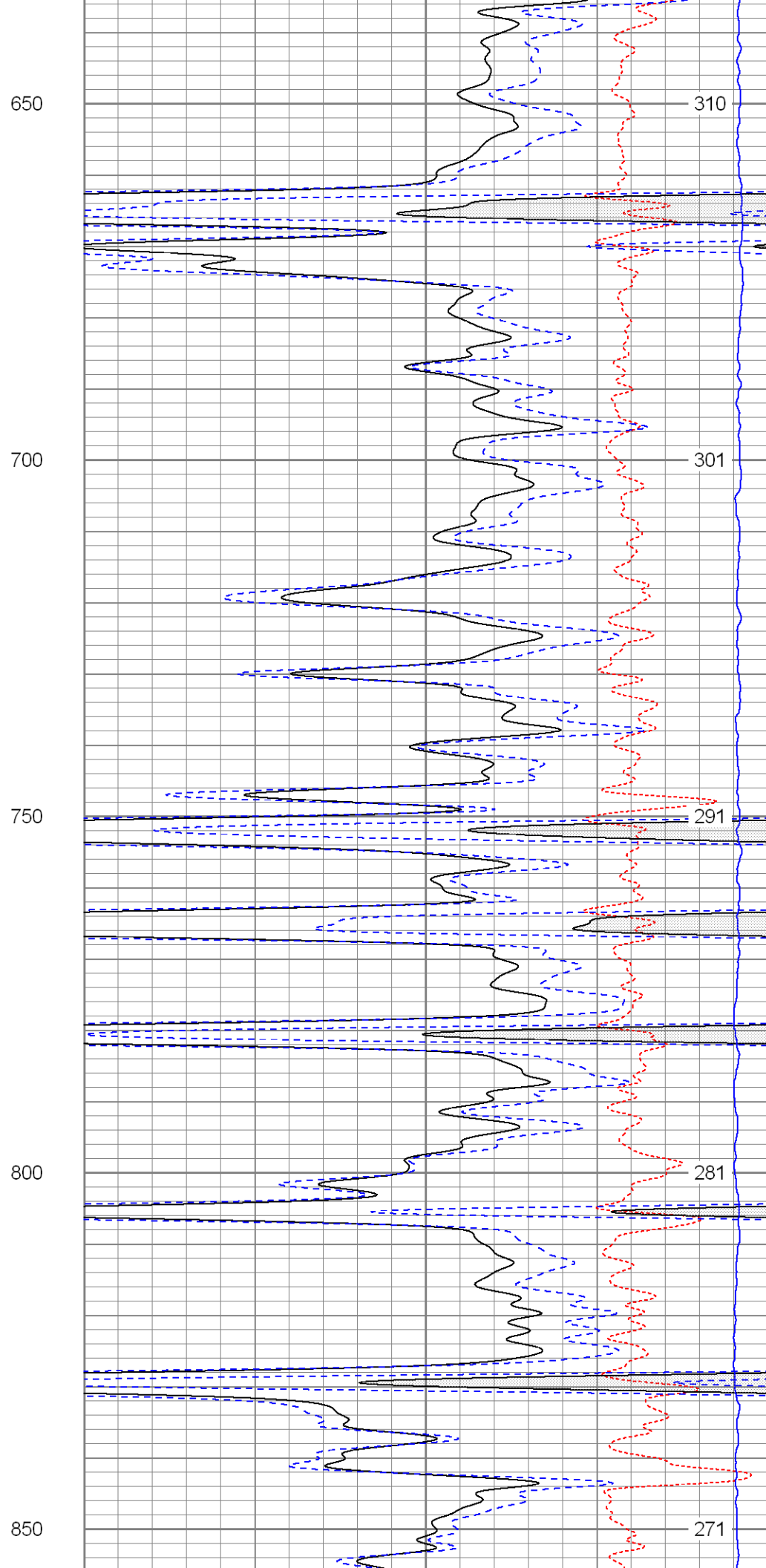
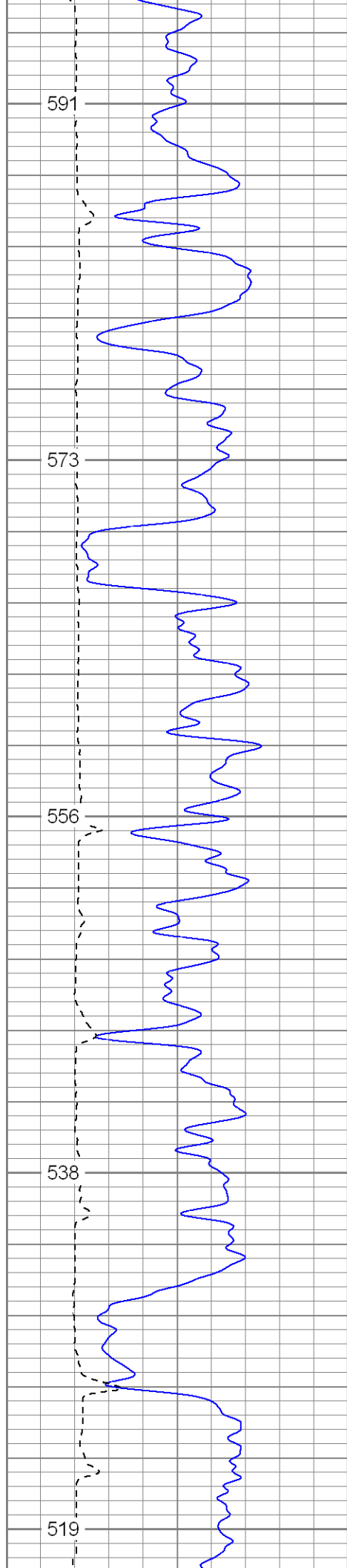
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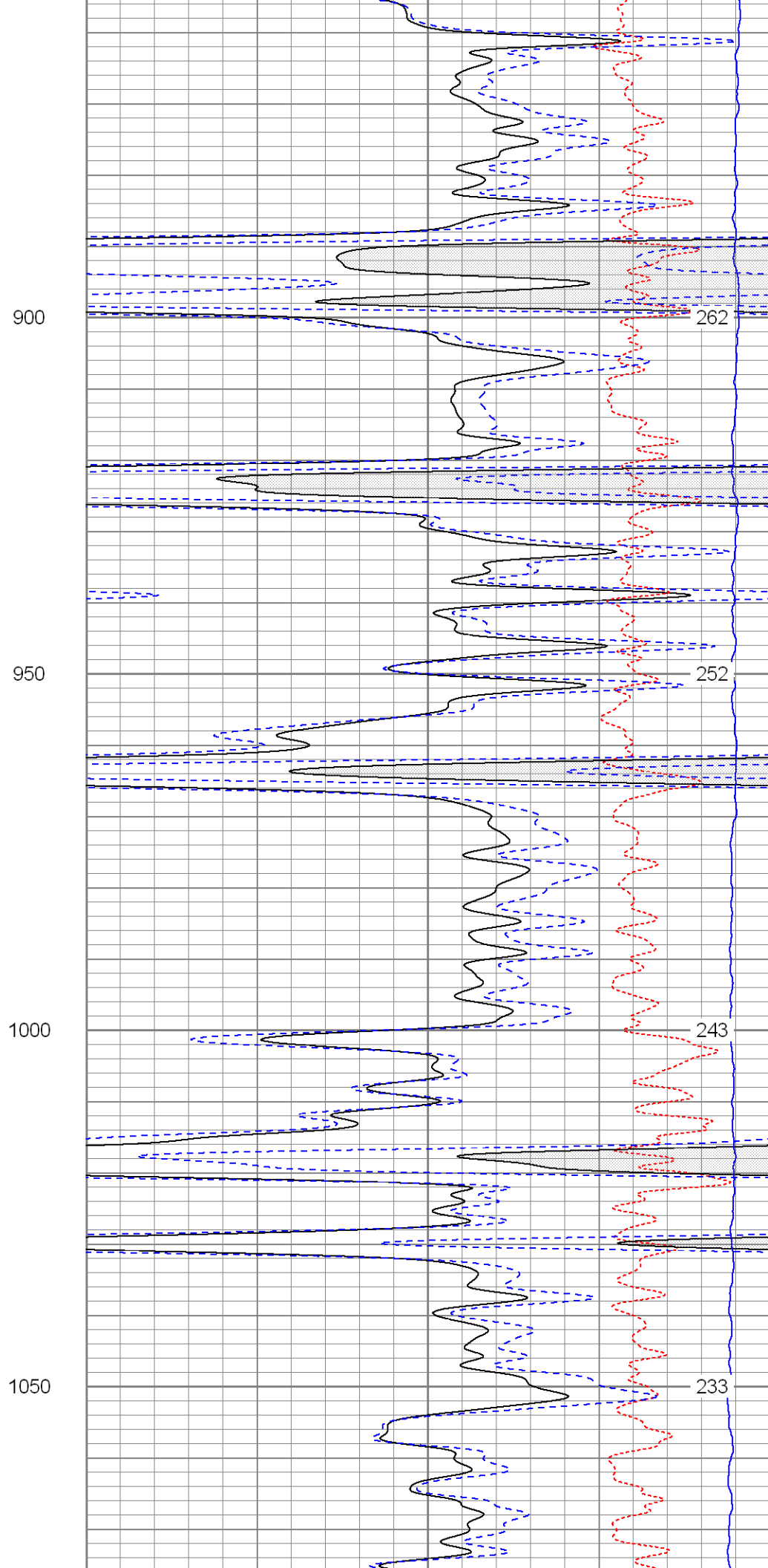
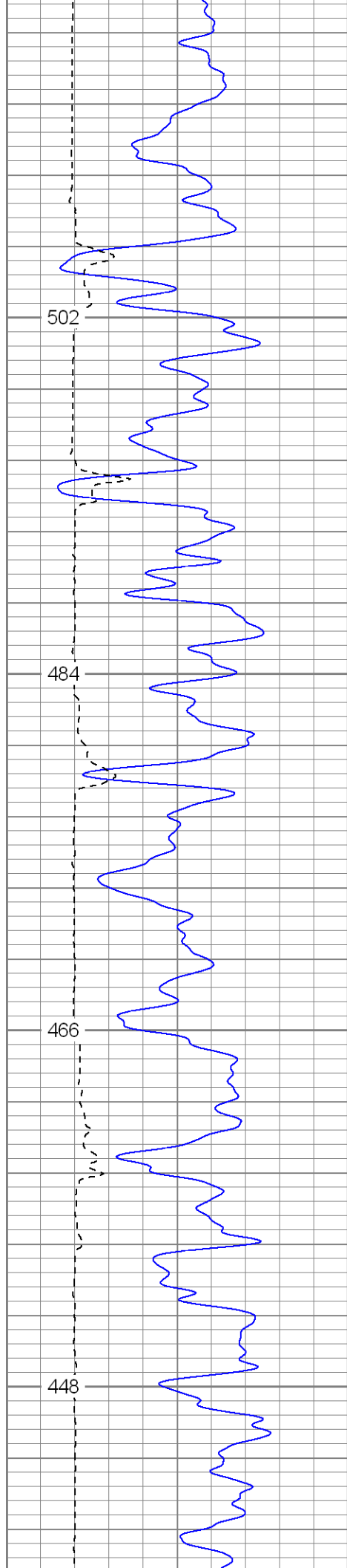
Main Pass

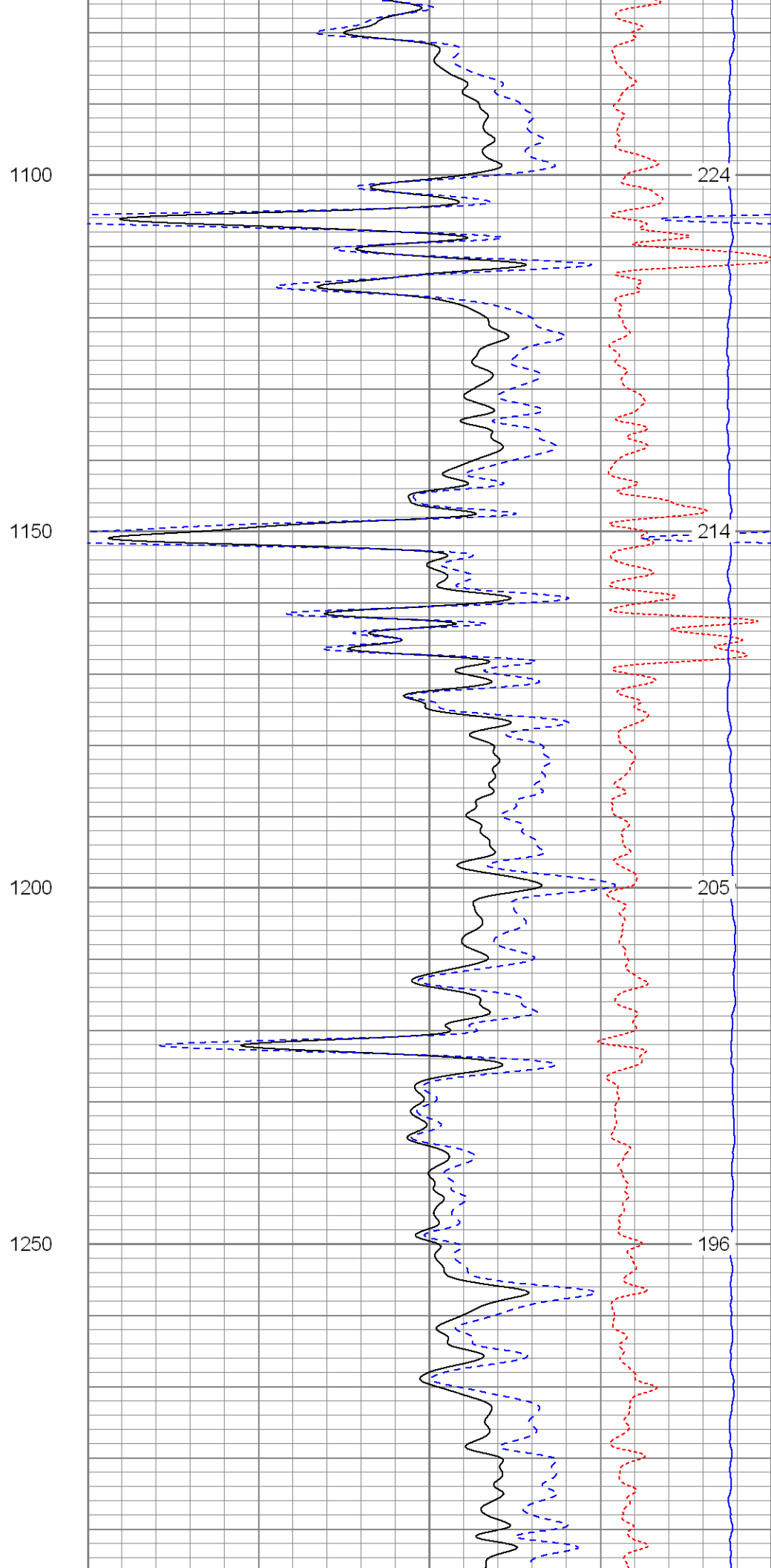
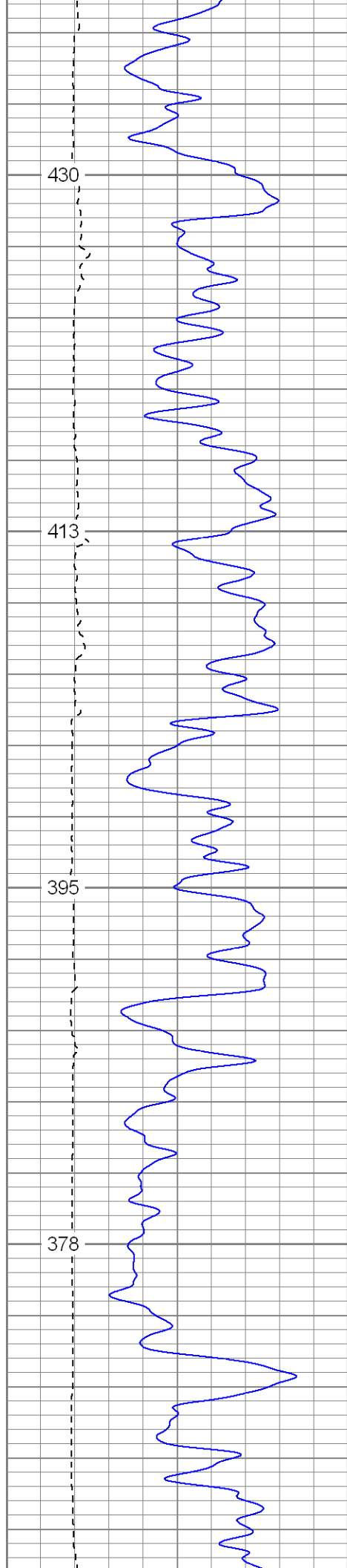
Database File: xtoge3208.db
Dataset Pathname: pass4.1
Presentation Format: cdl
Dataset Creation: Tue Jun 05 10:52:45 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

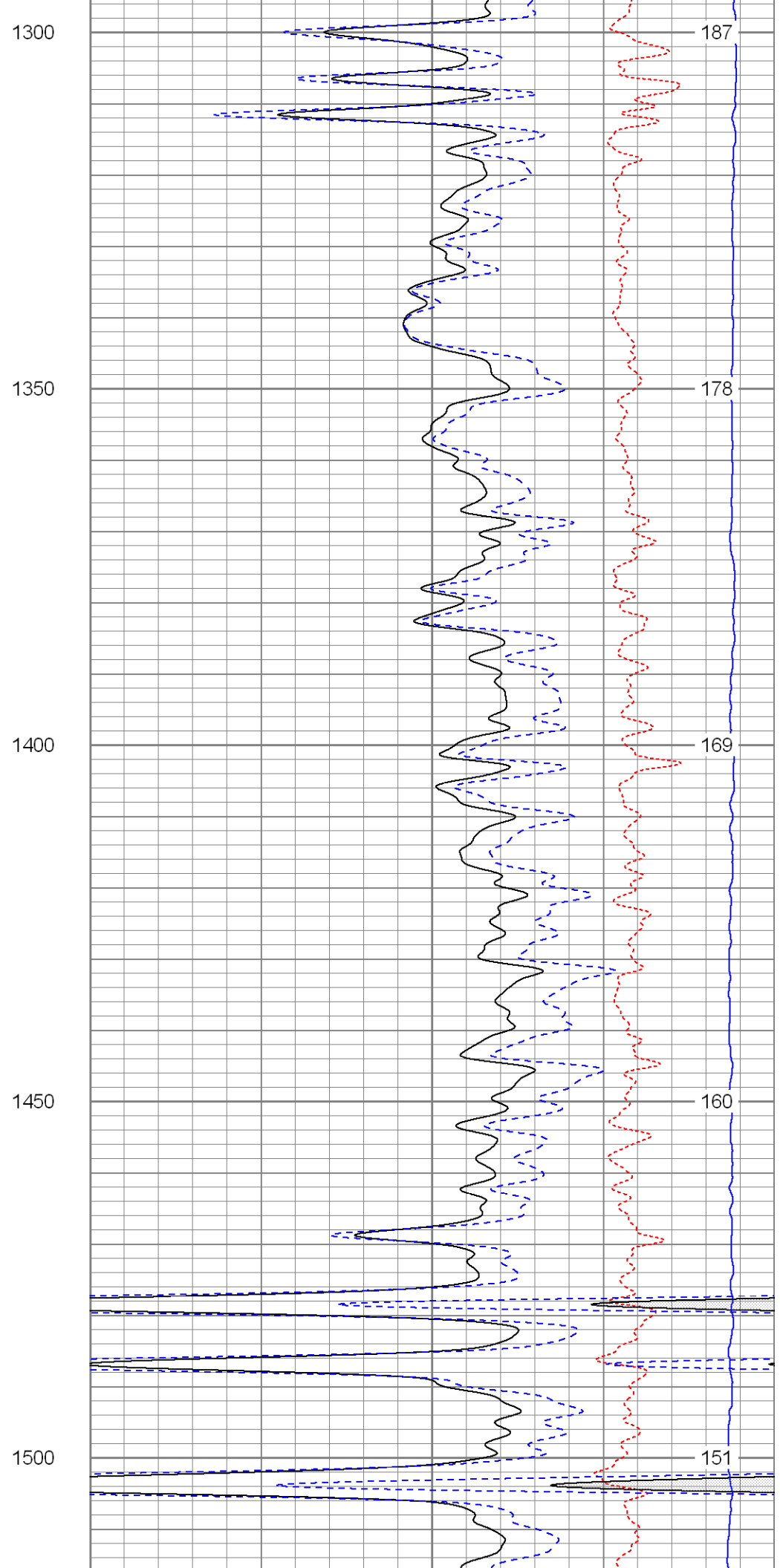
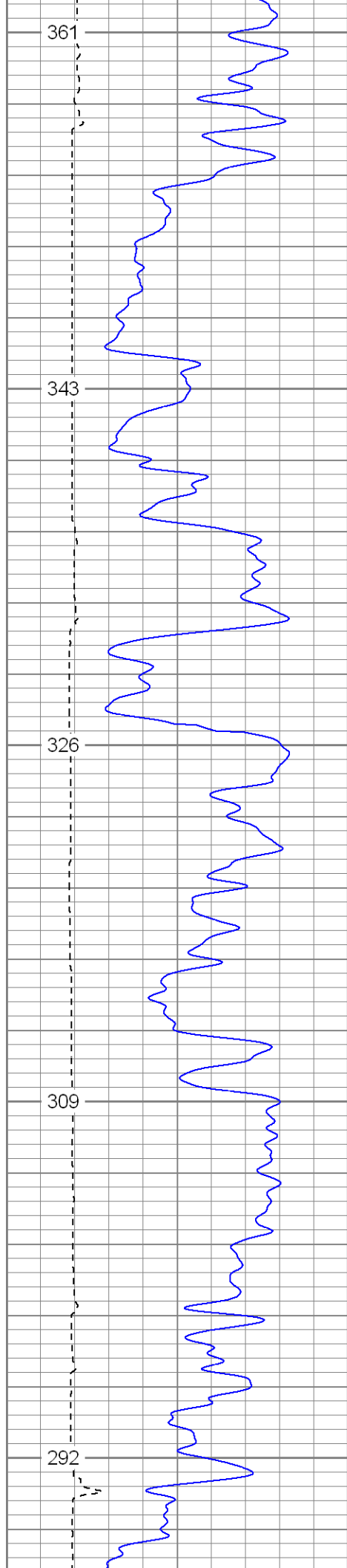
0	GR (GAPI)	200	1	RHOB (g/cc)	2
6	DCAL (in)	16	30	DPOR (pu)	-10
			-0.5	RHOC (g/cc)	0.5
			4000	LTEN (lb)	0

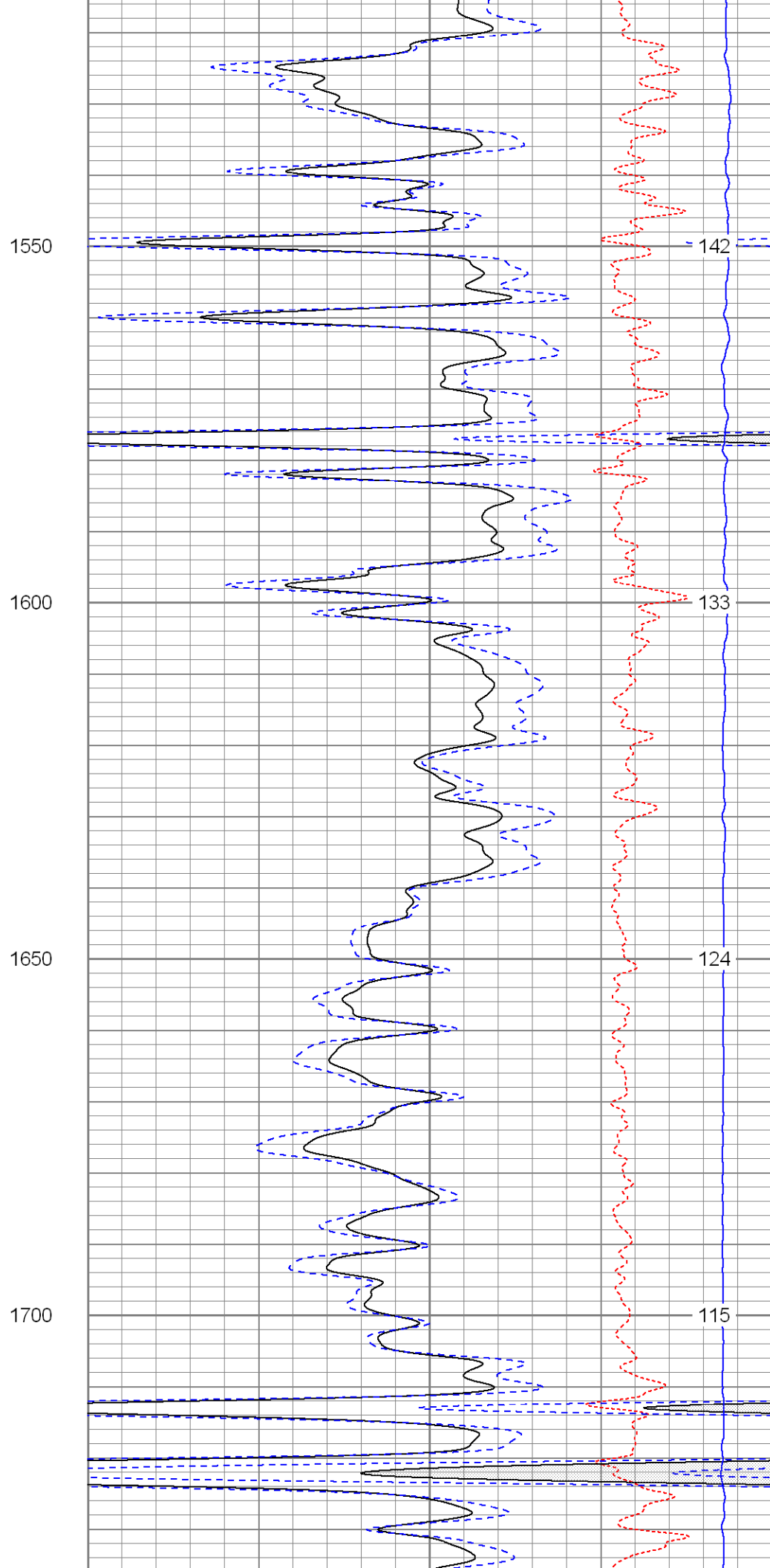
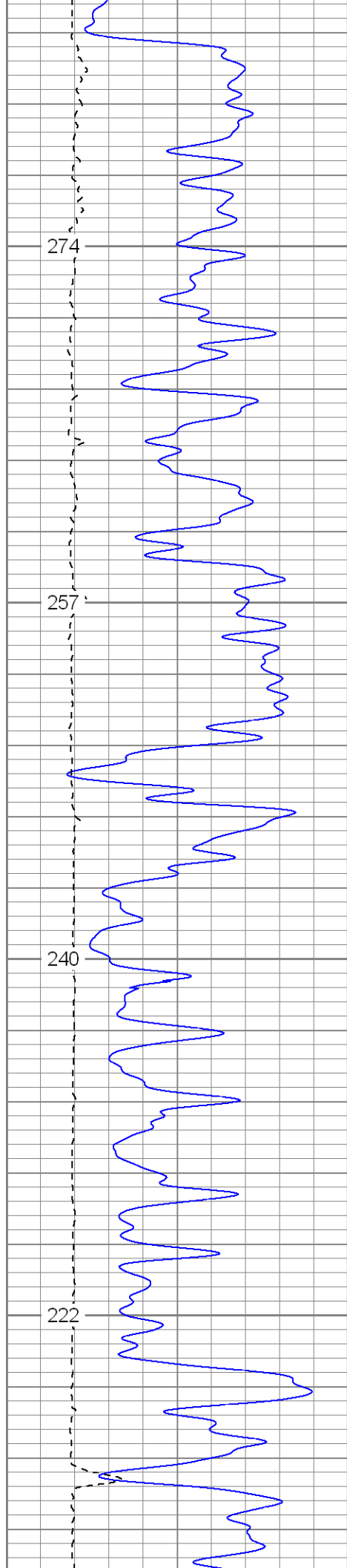


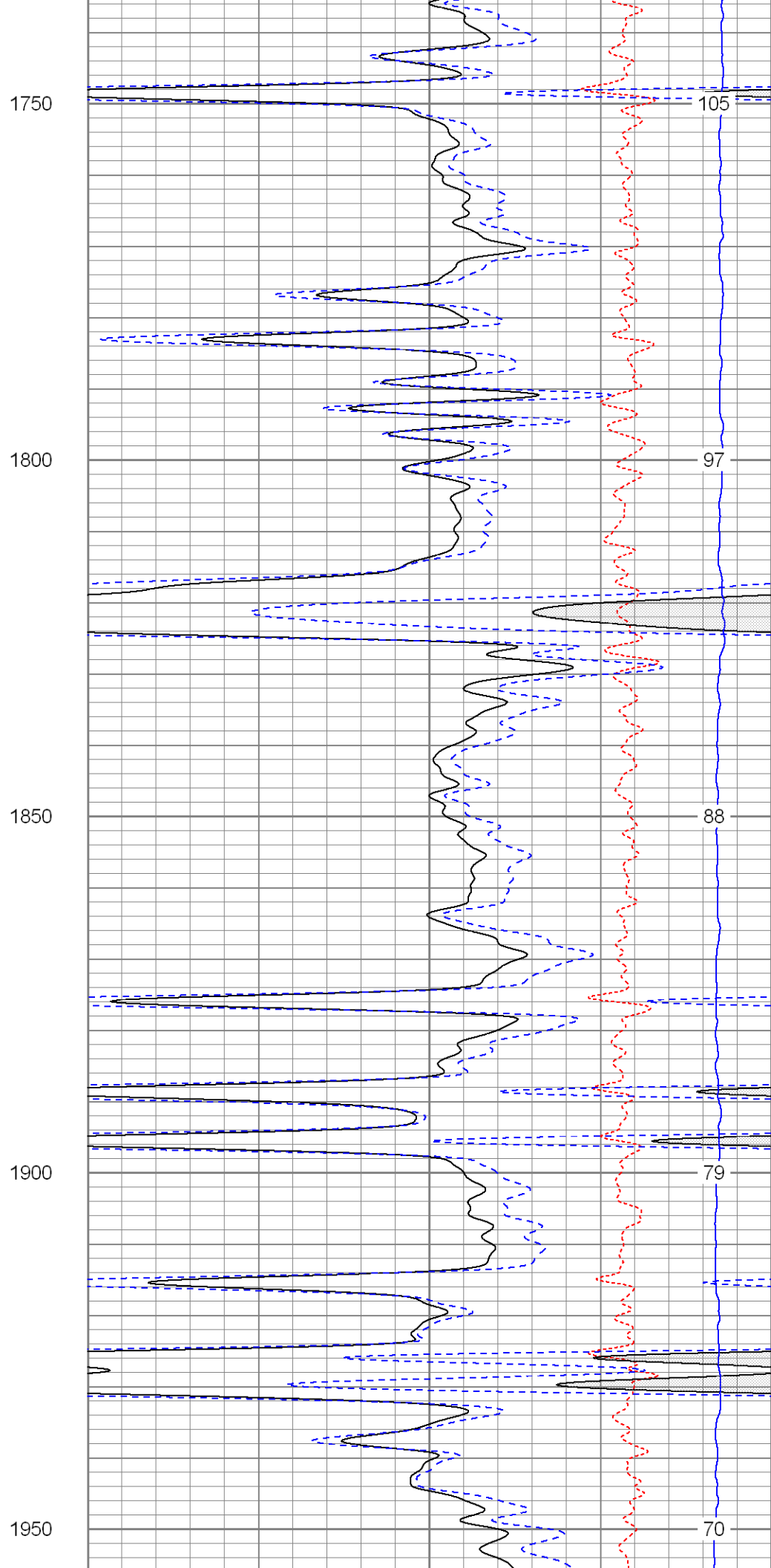
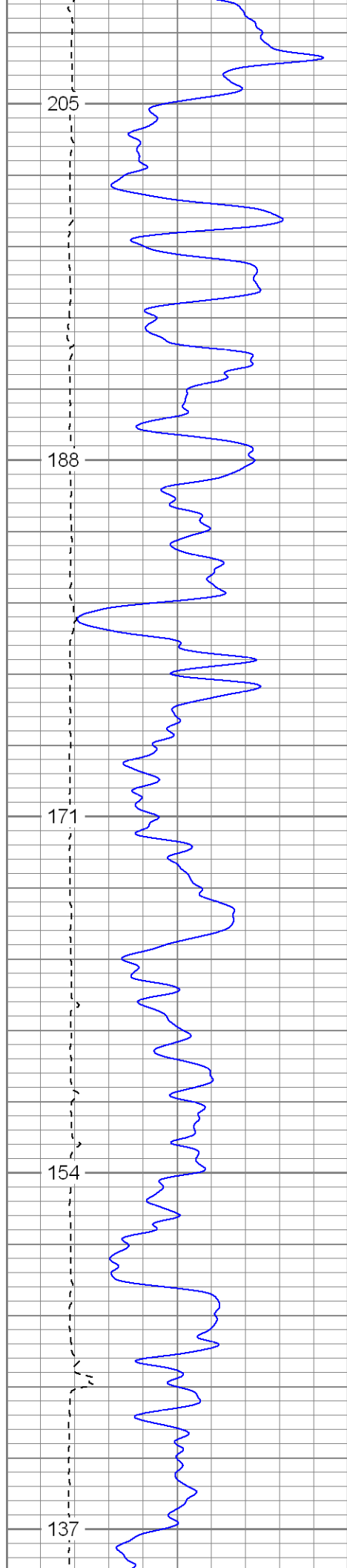


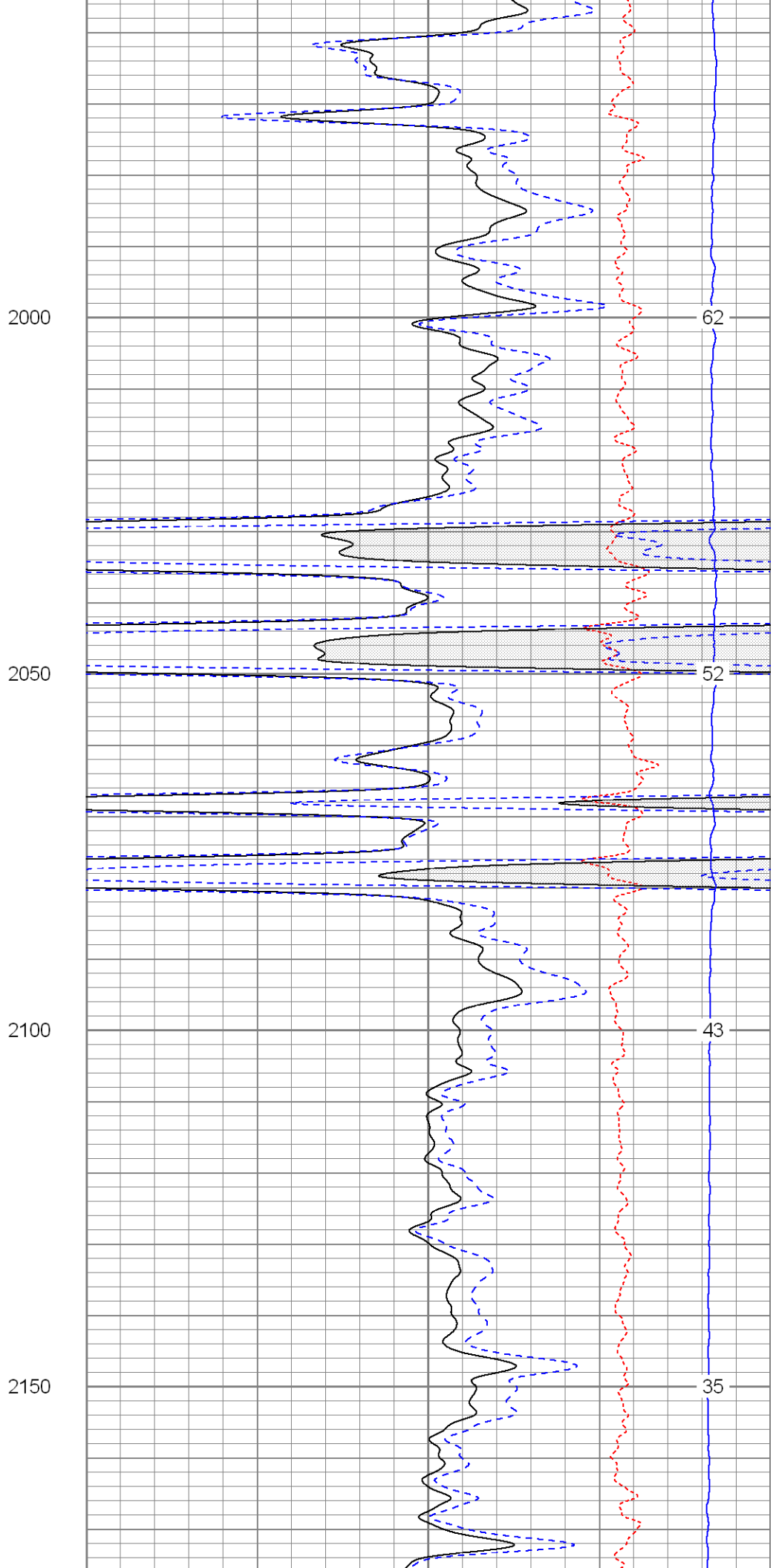
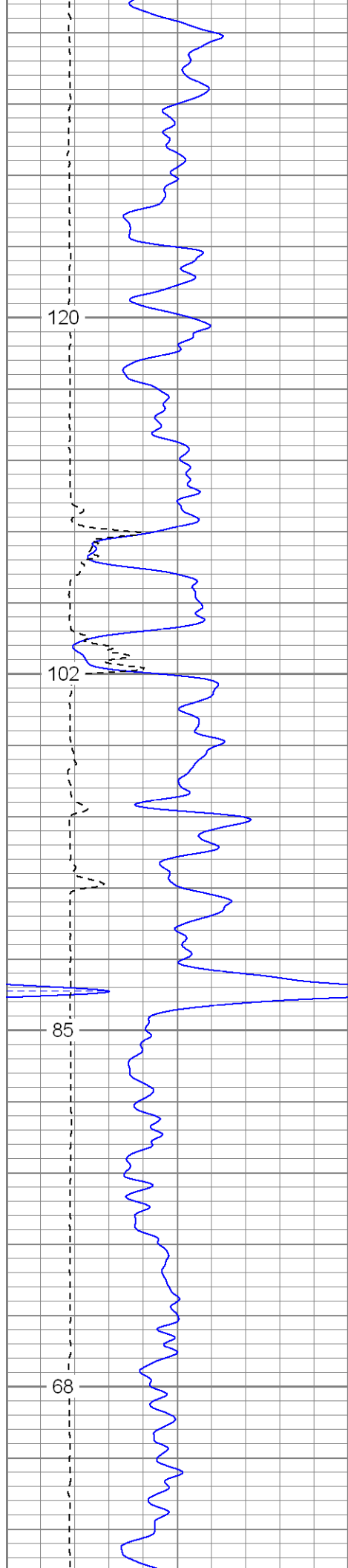


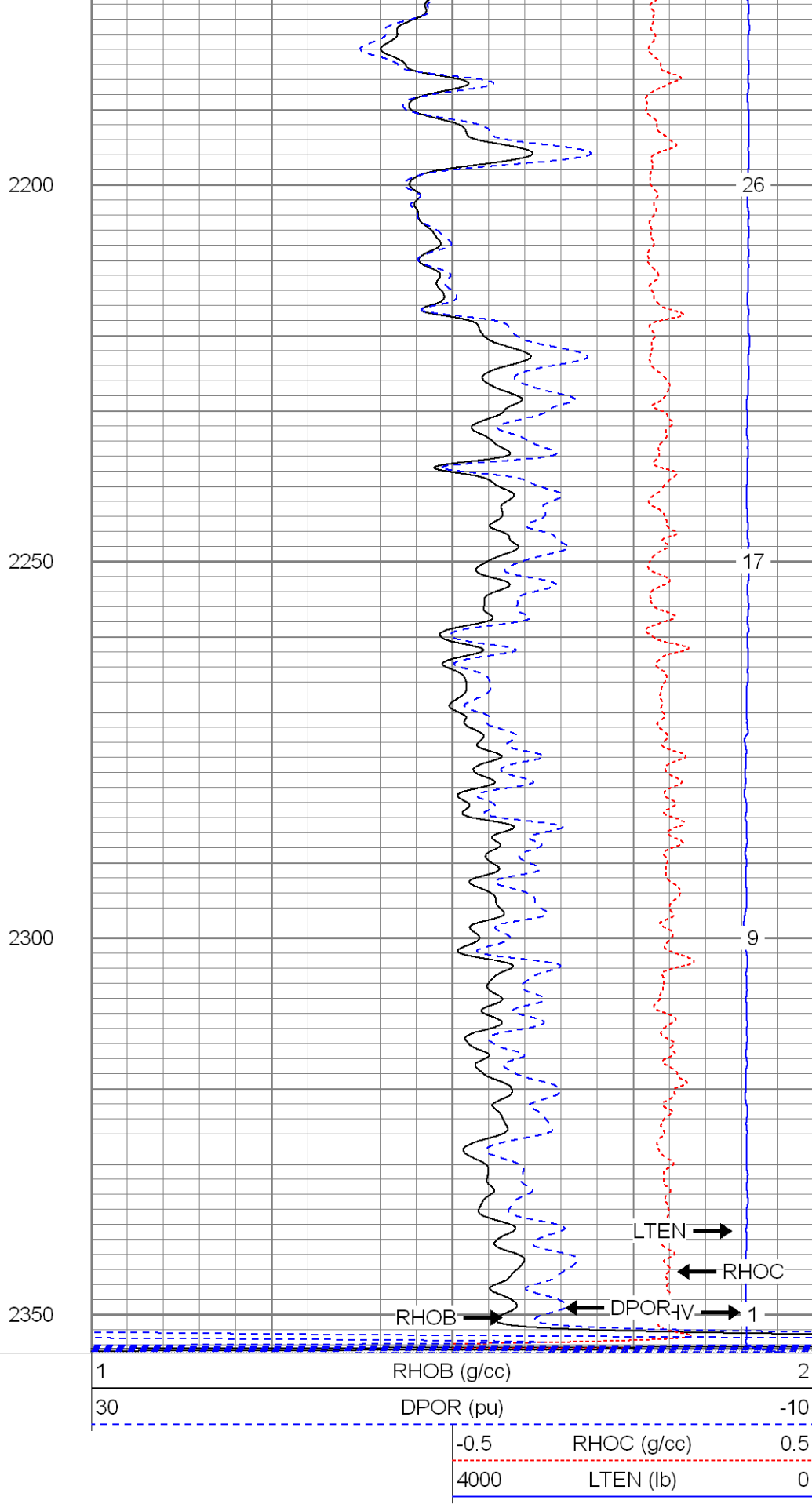
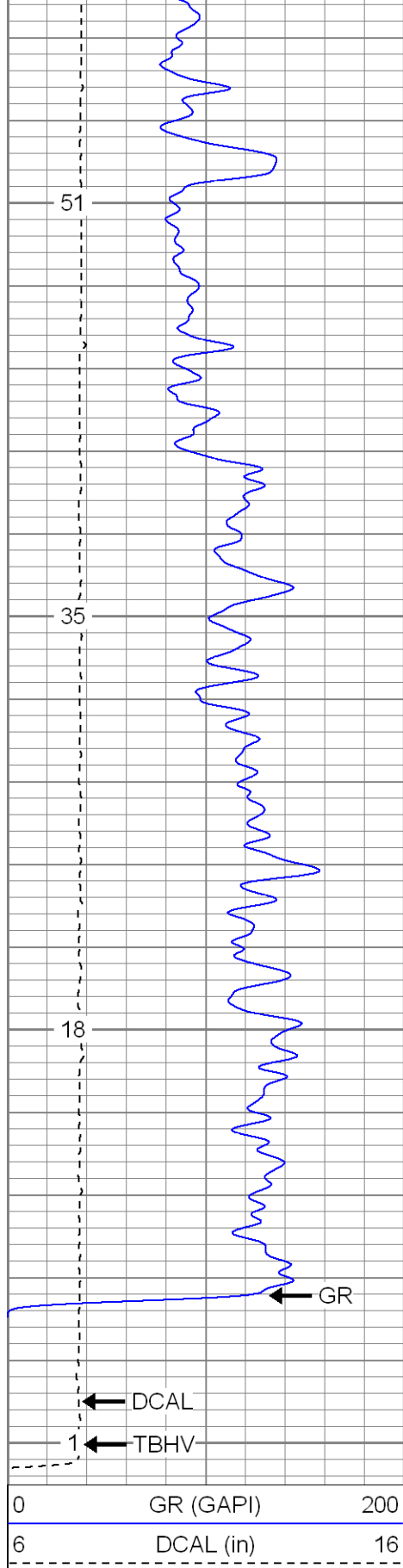










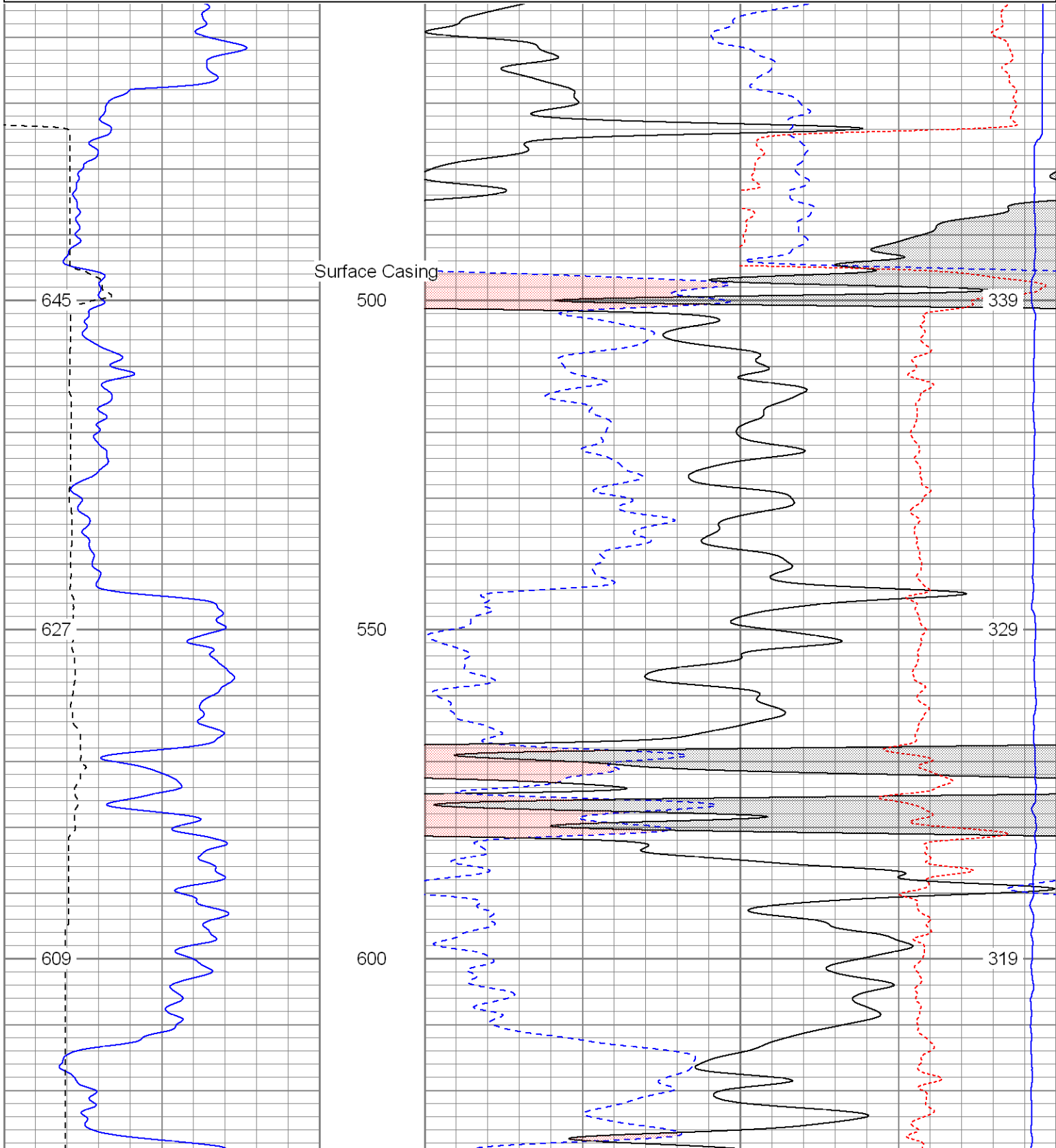


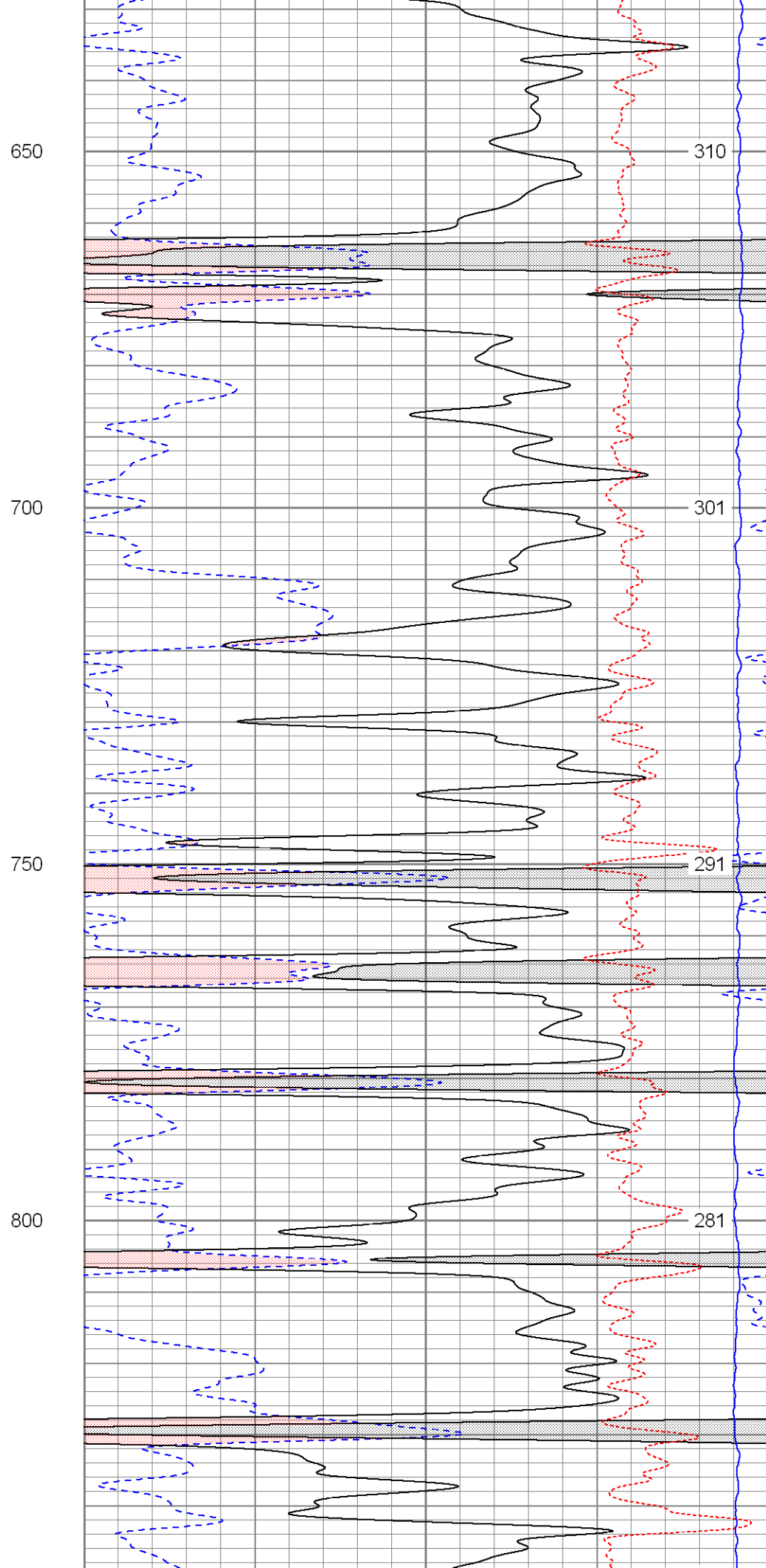
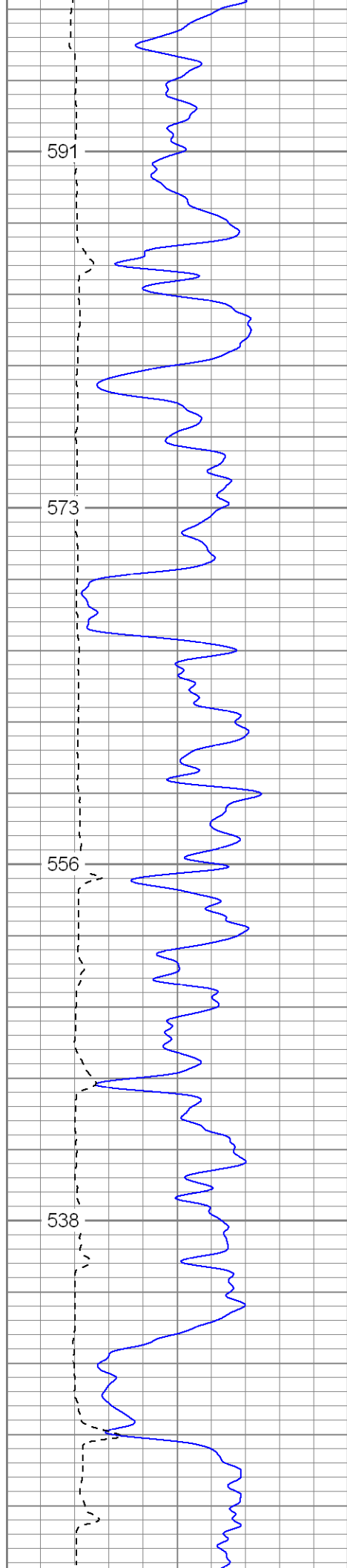
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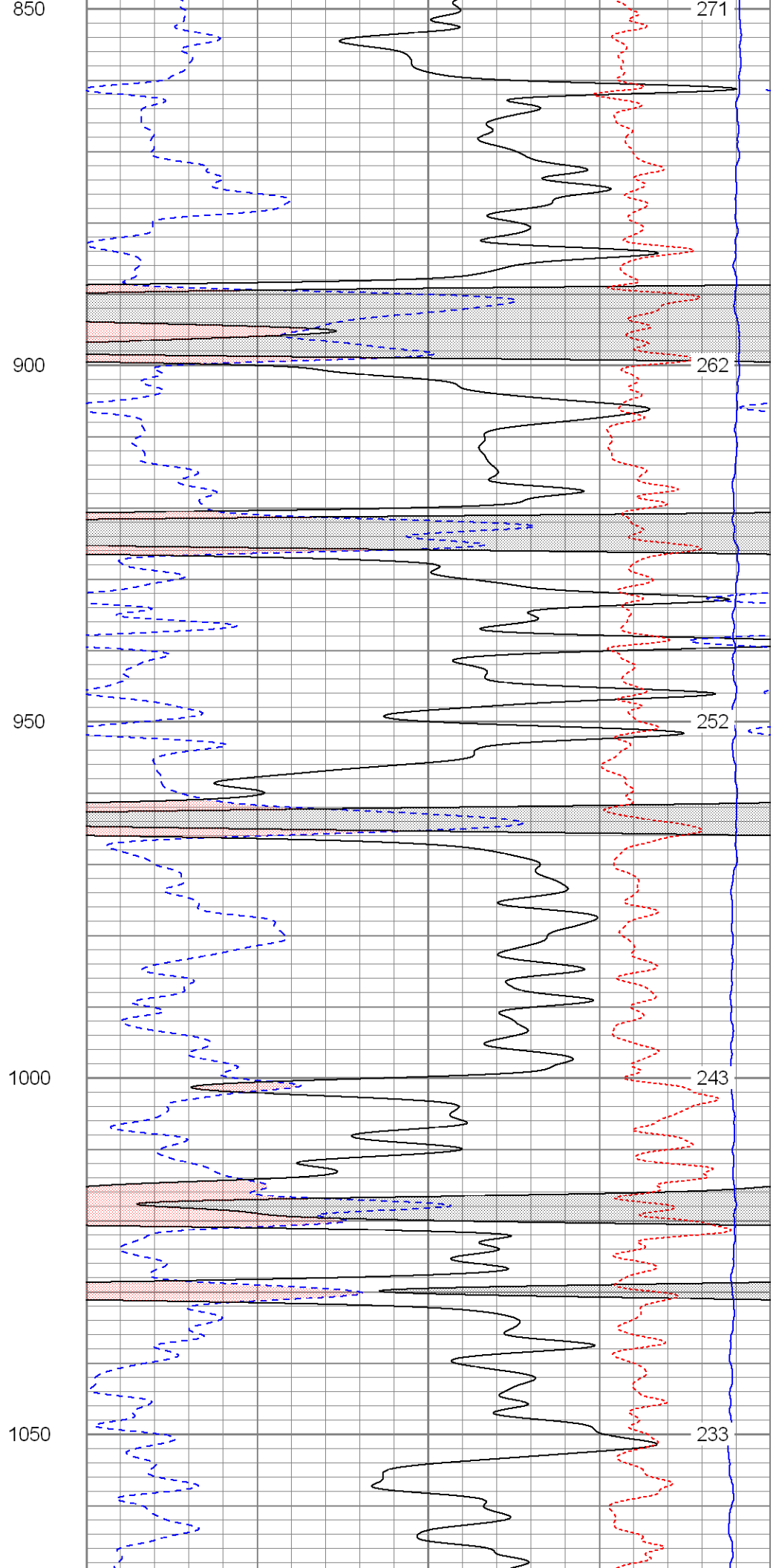
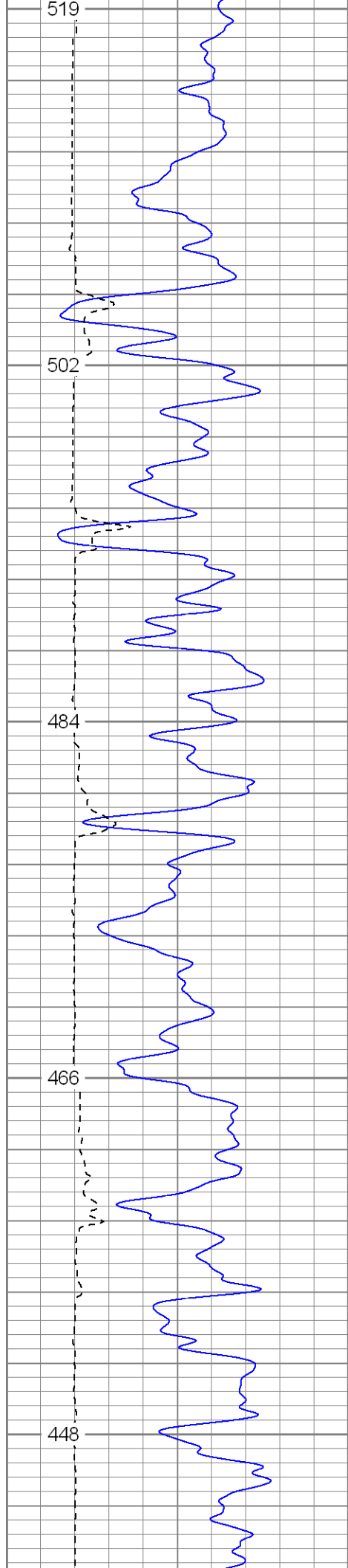
Main Pass

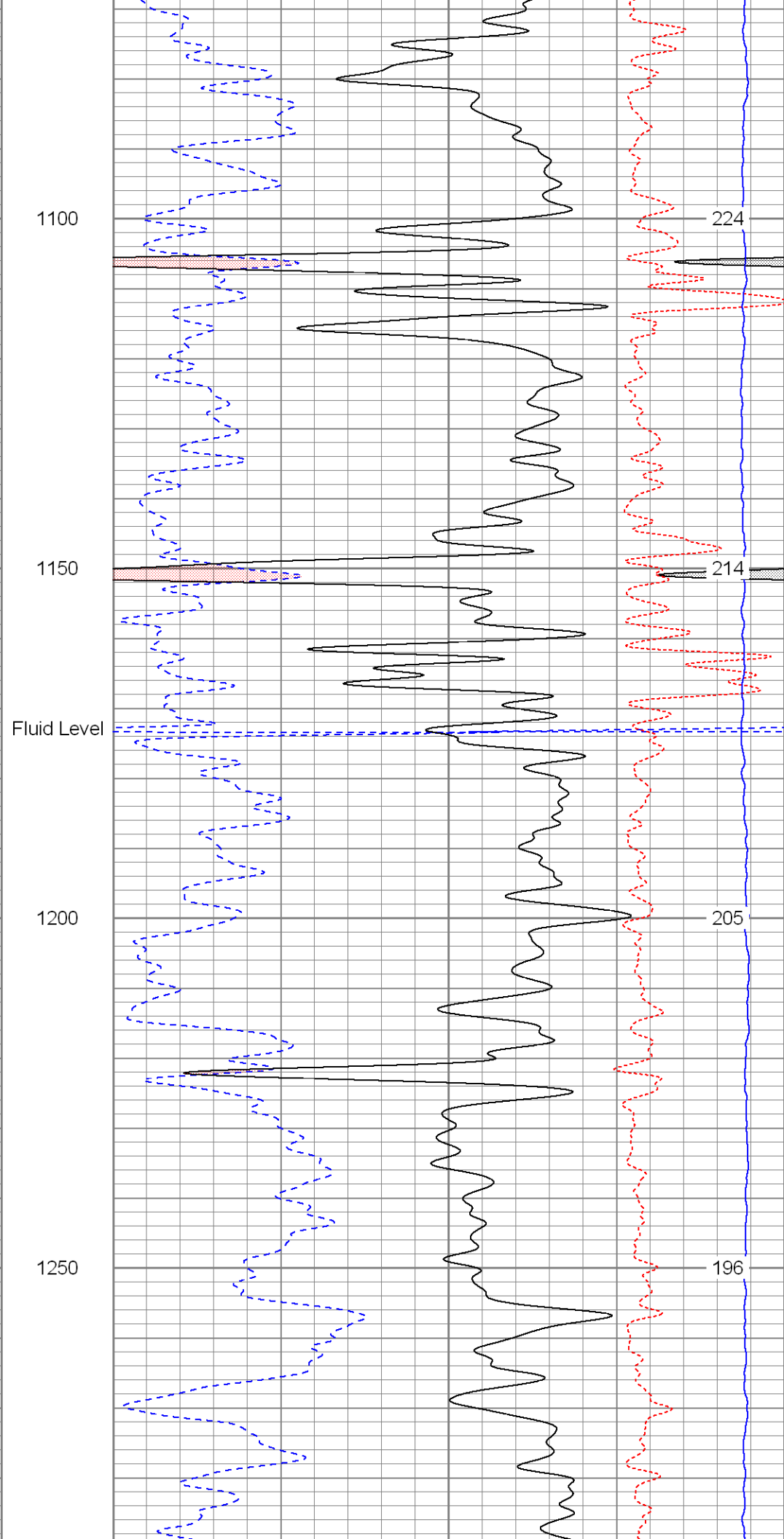
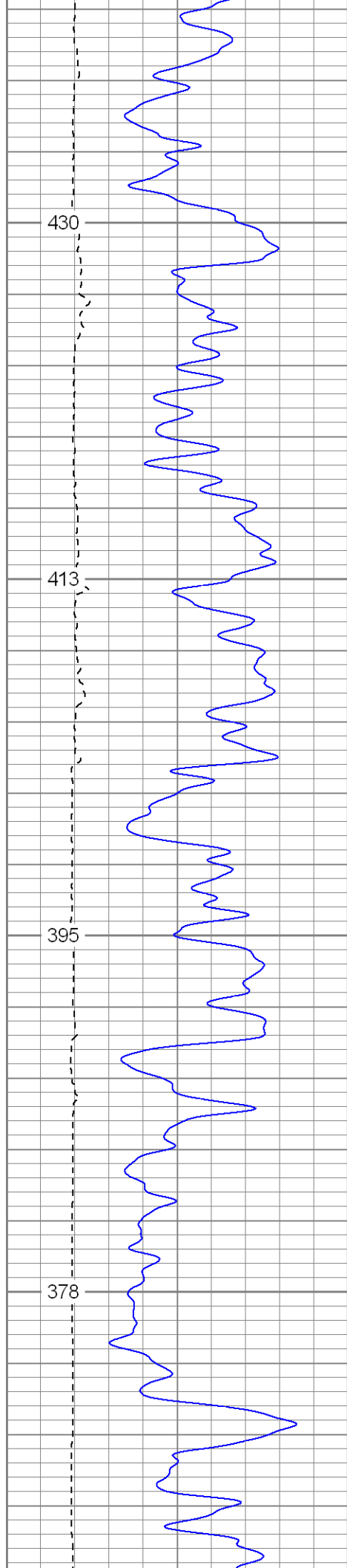
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Dataset Pathname: pass4.1
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Charted by: Depth in Feet scaled 1:240

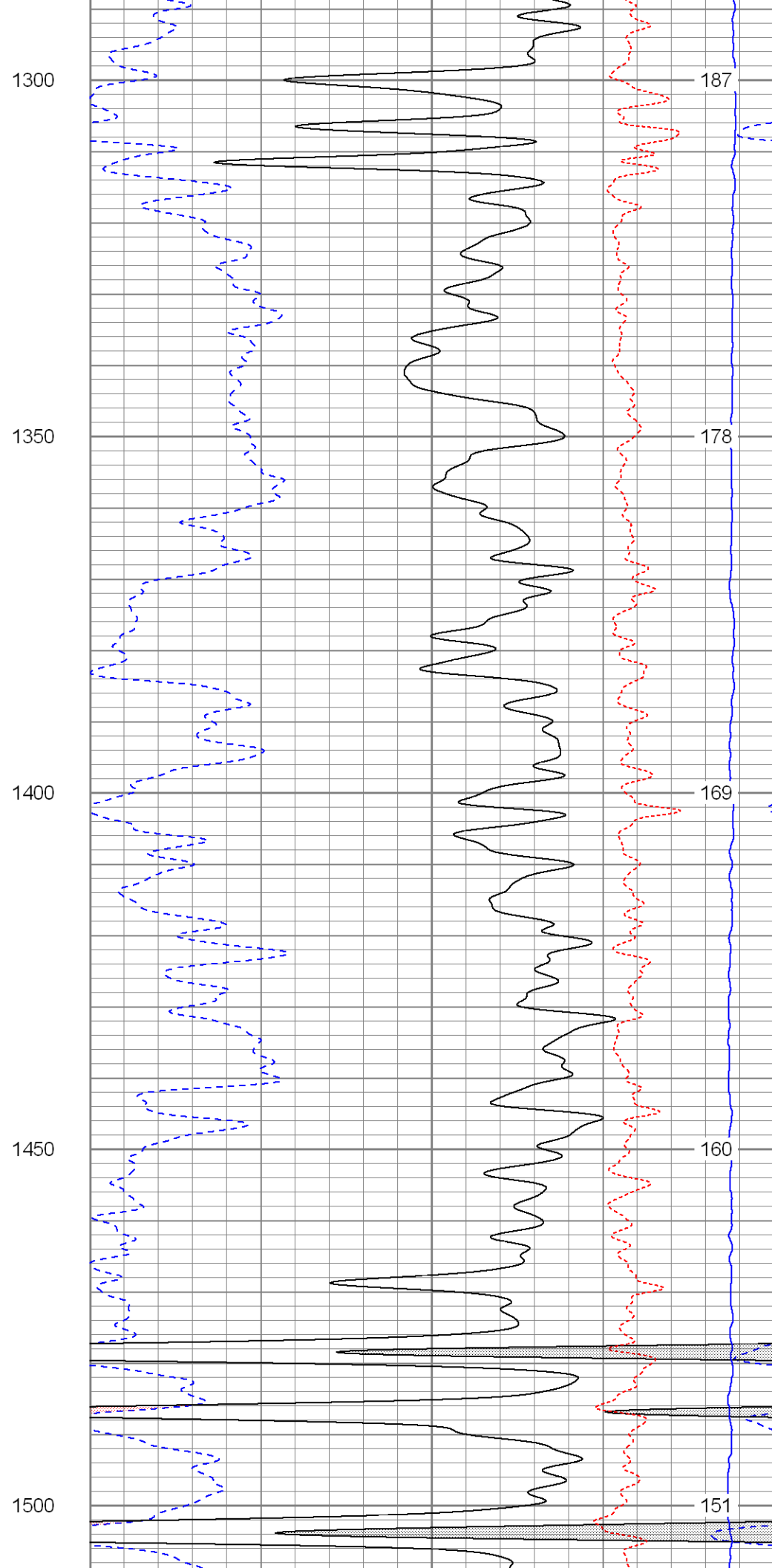
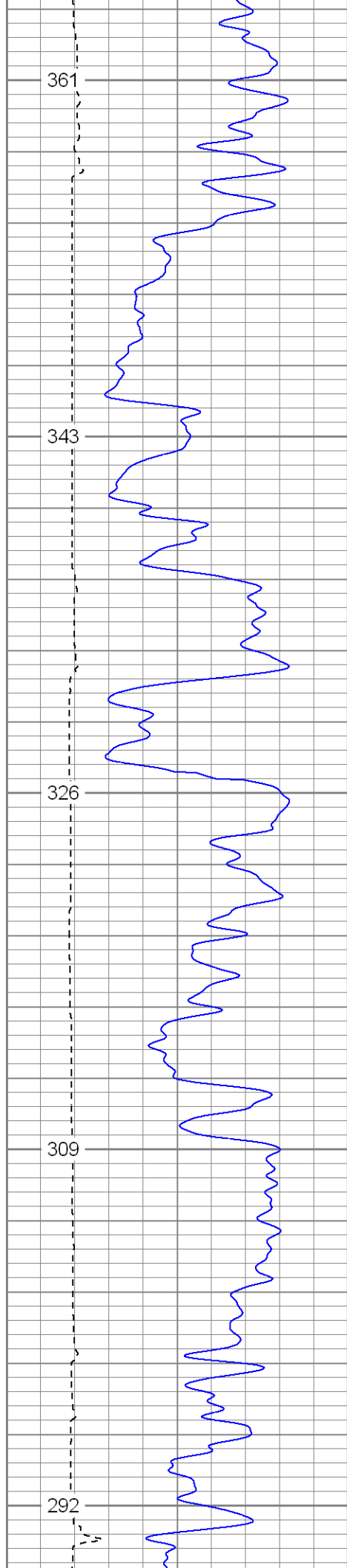
0	GR (GAPI)	200	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
			-0.5 RHOC (g/cc) 0.5		
			4000 LTEN (lb) 0		

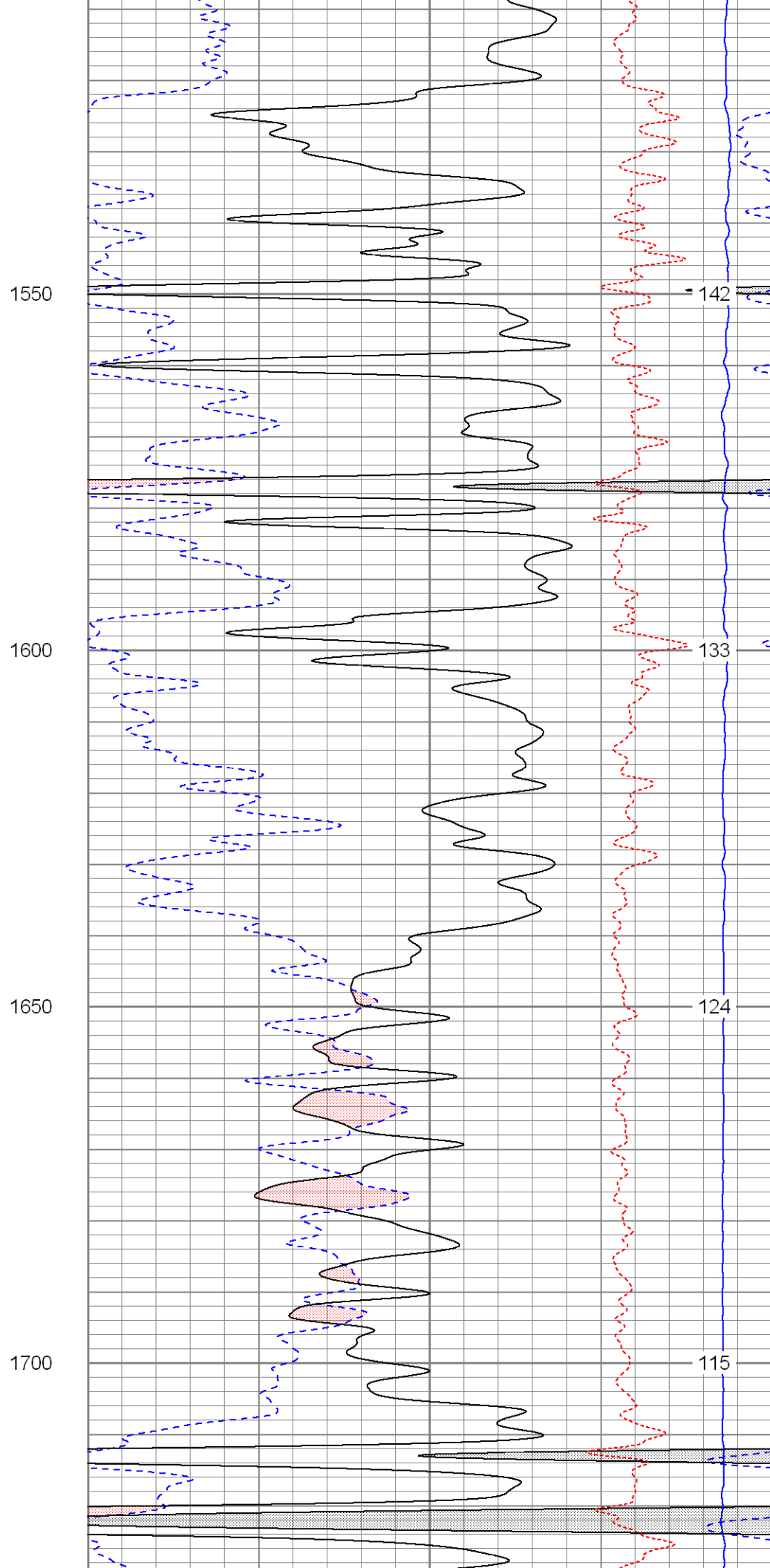
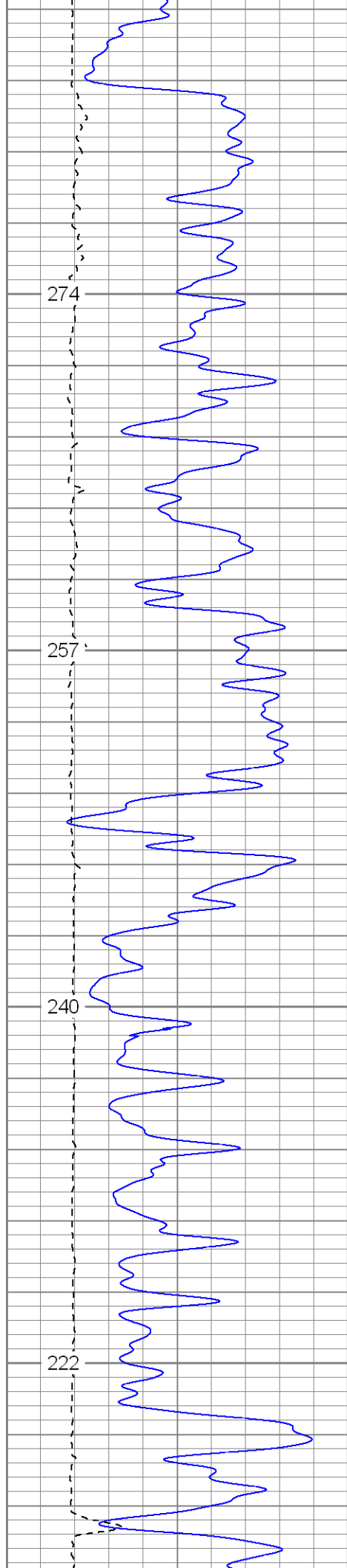


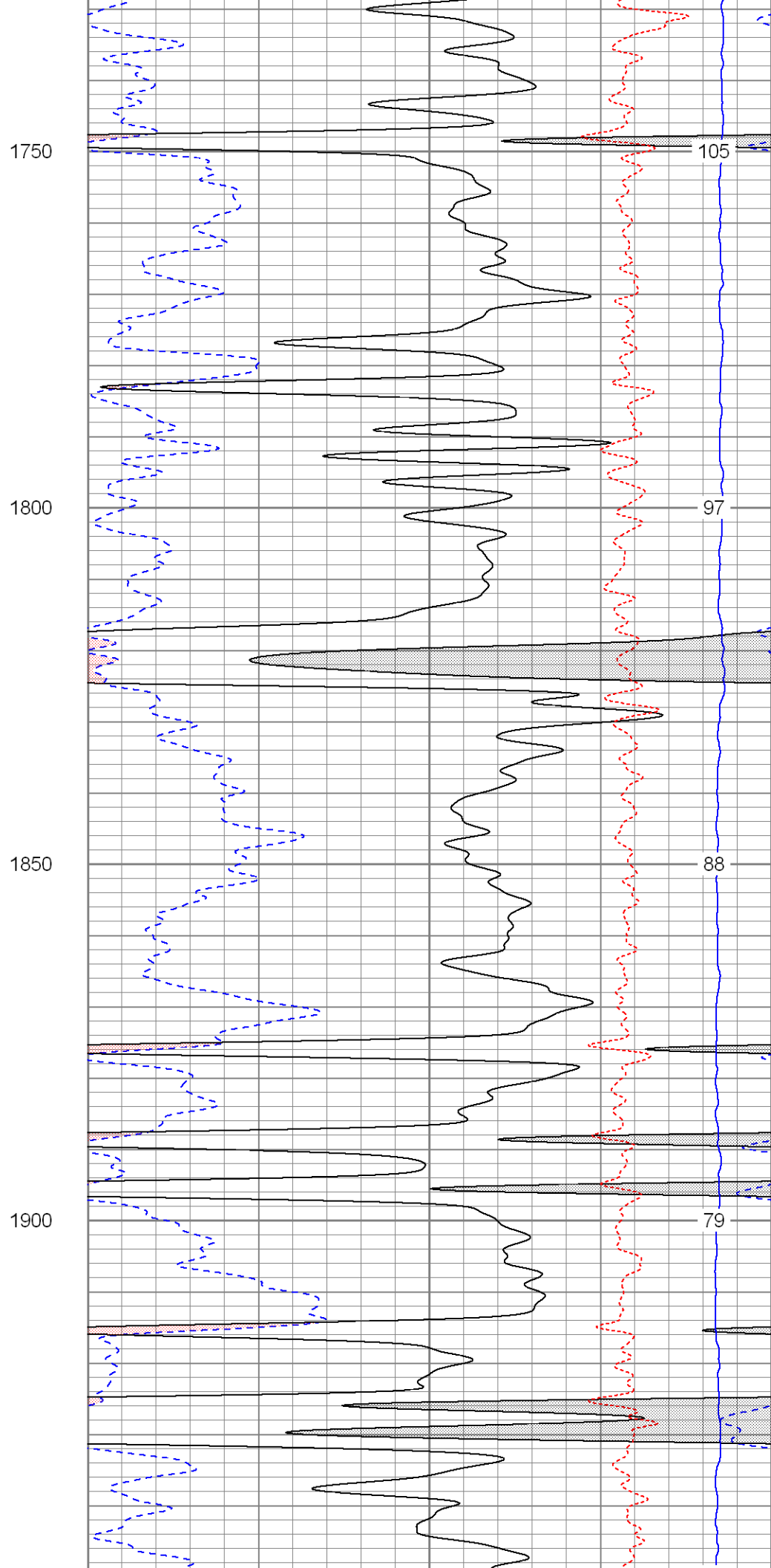
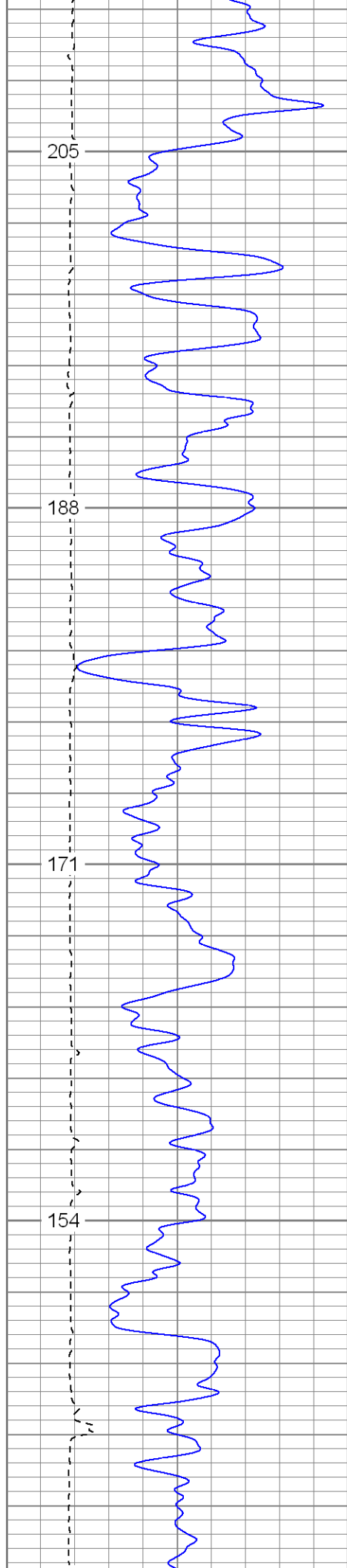


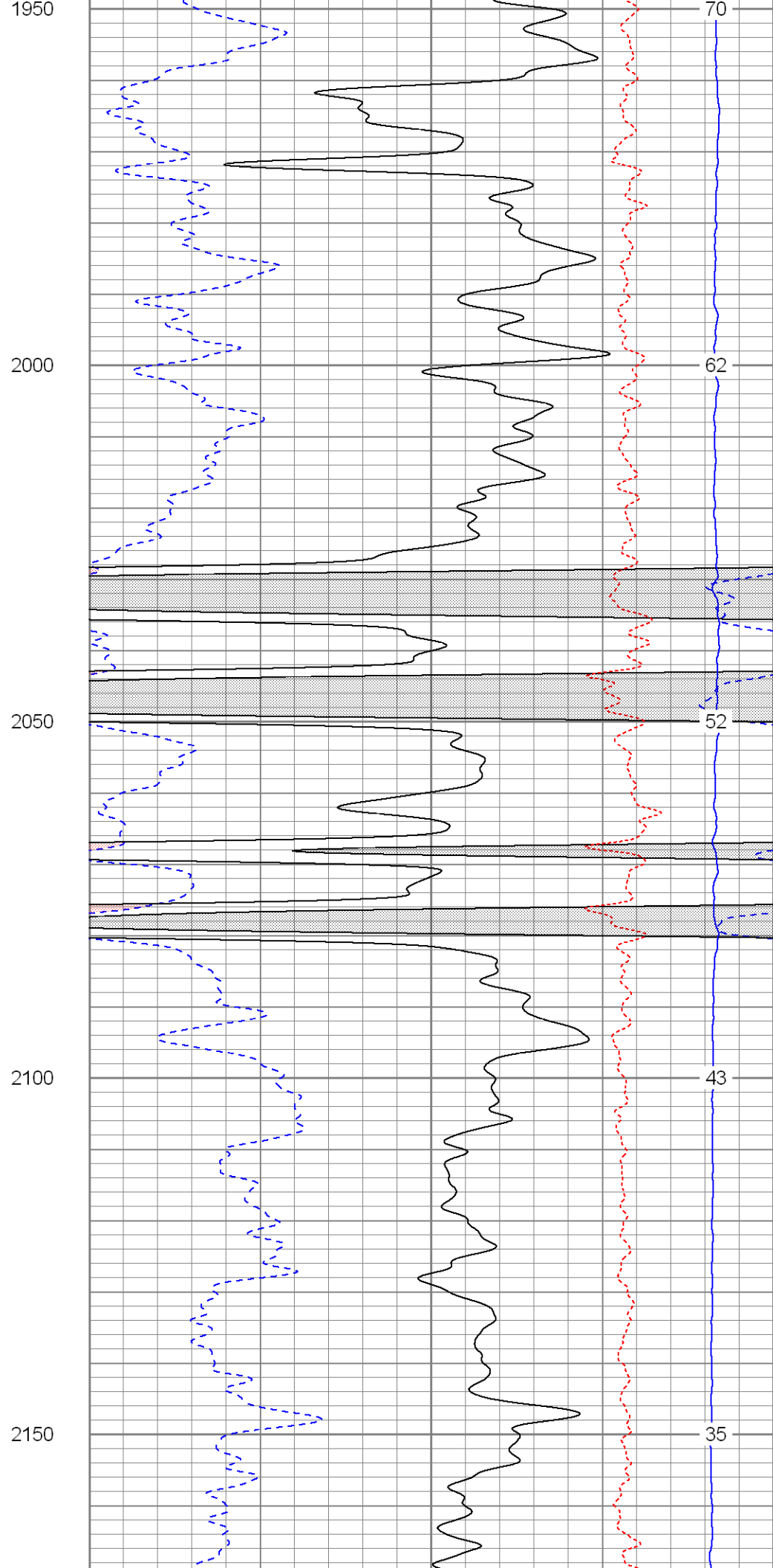
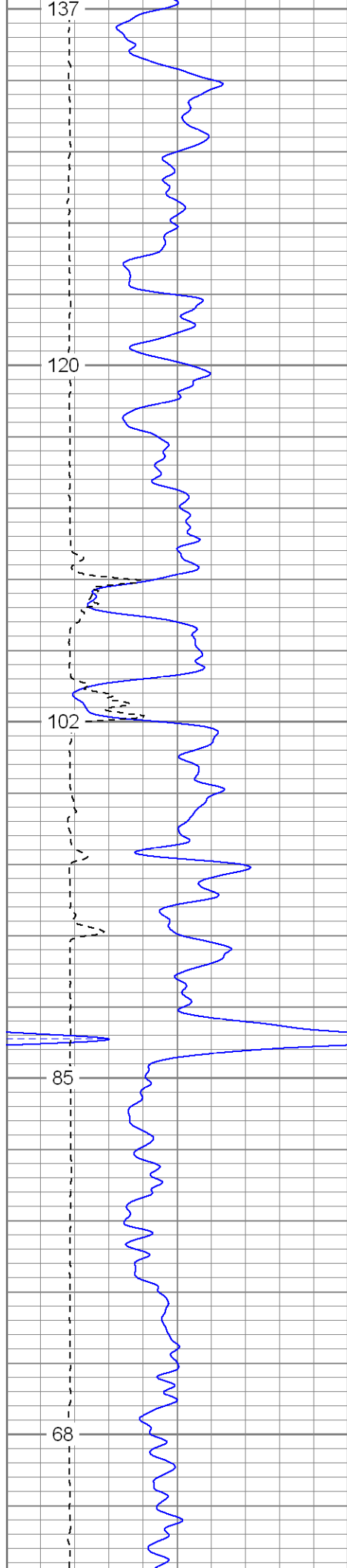


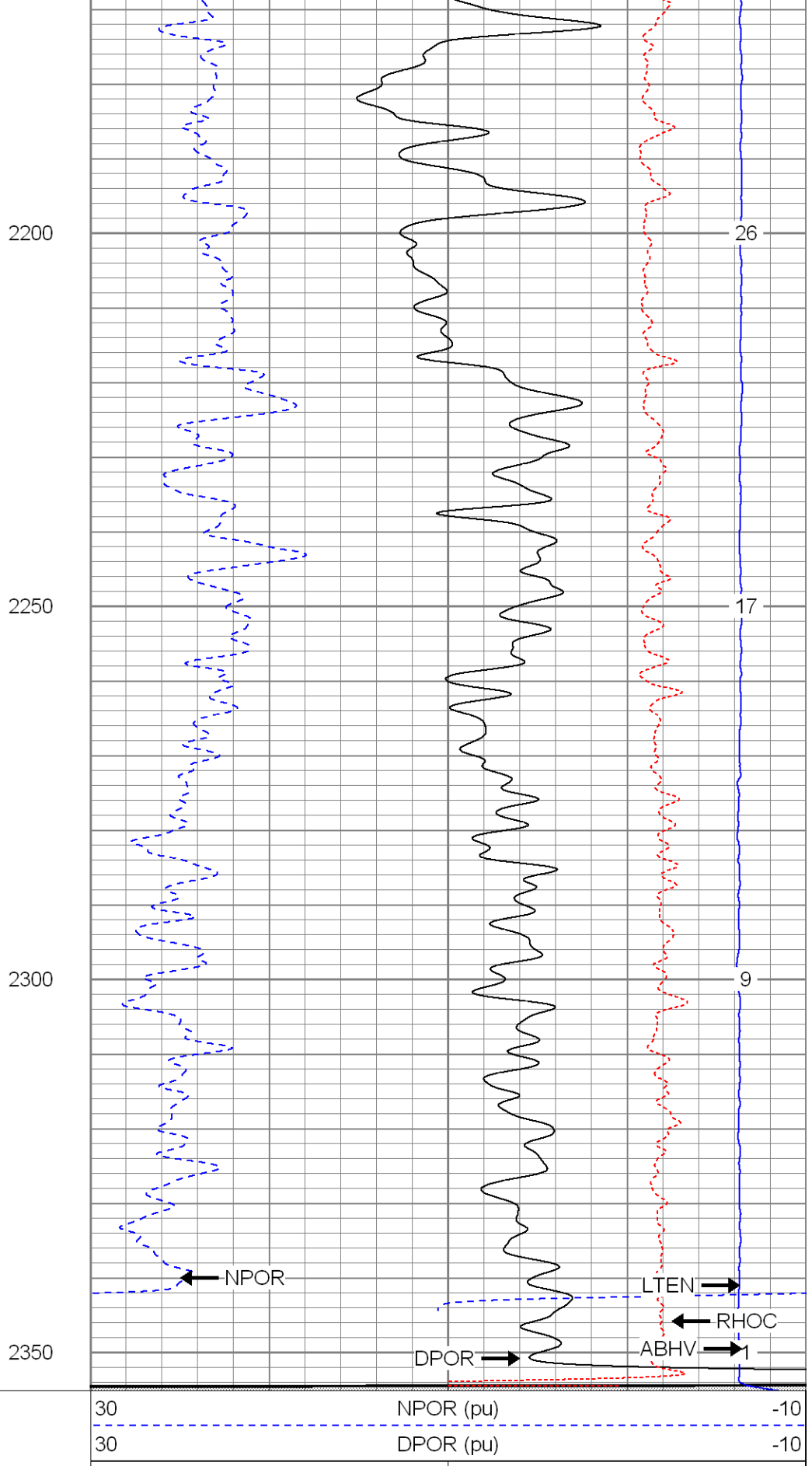
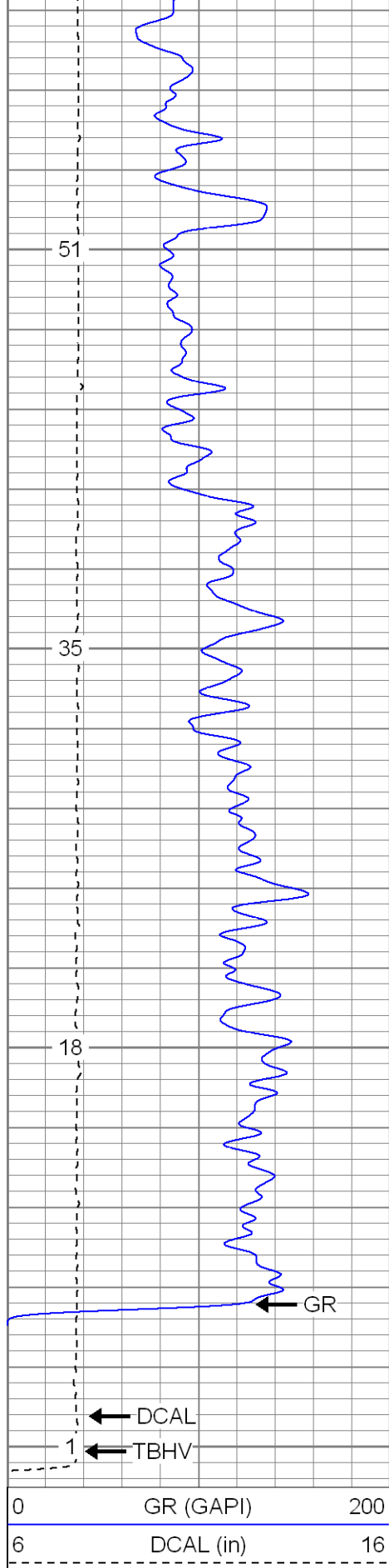














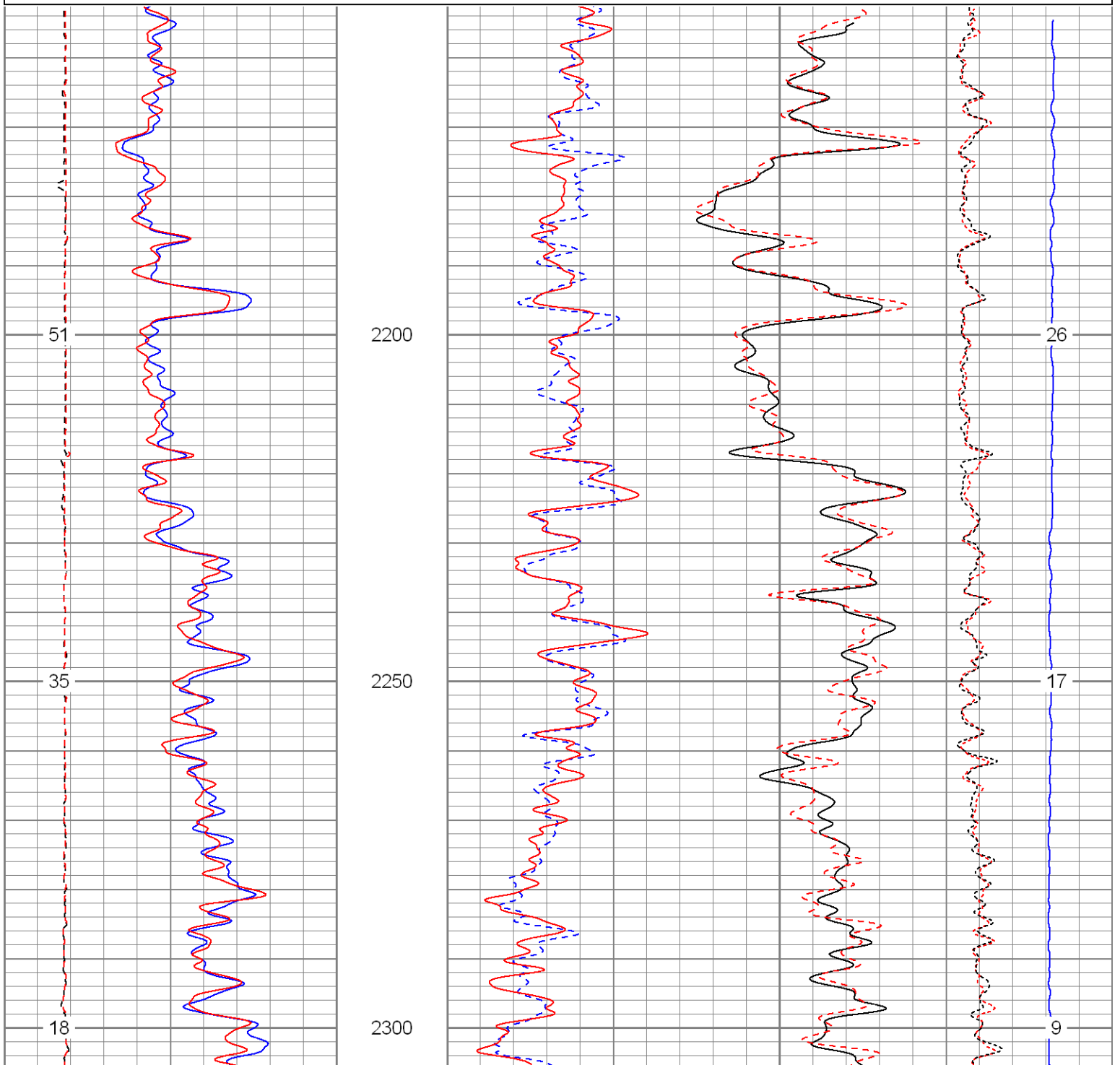
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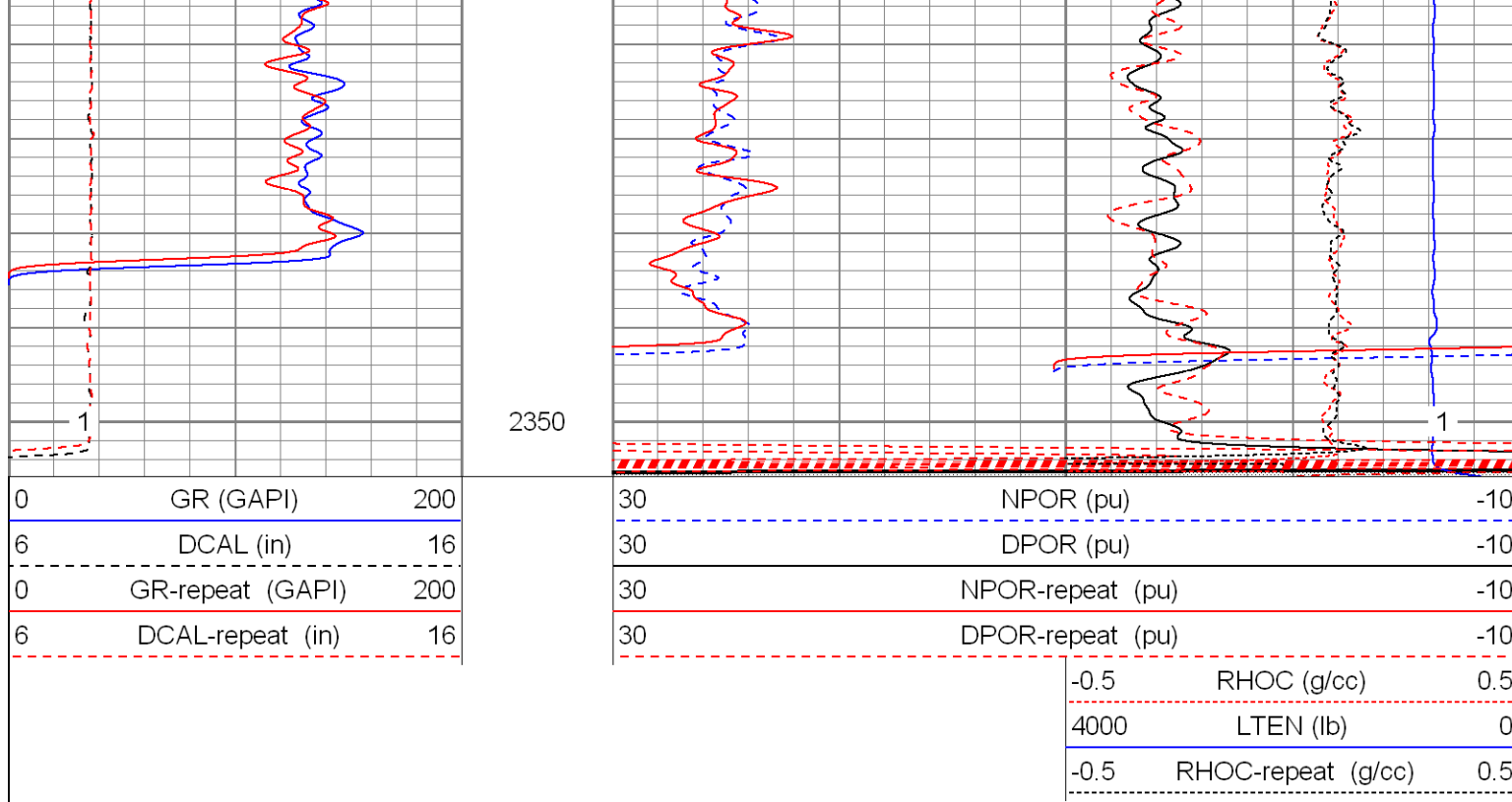
Repeat Section

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Dataset Pathname: pass3.1
Presentation Format: cdnl
Dataset Creation: Tue Jun 05 10:31:11 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200
6	DCAL (in)	16
<hr/>		
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
<hr/>		
-0.5	RHOC (g/cc)	0.5
4000	LTEN (lb)	0
-0.5	RHOC-repeat (g/cc)	0.5





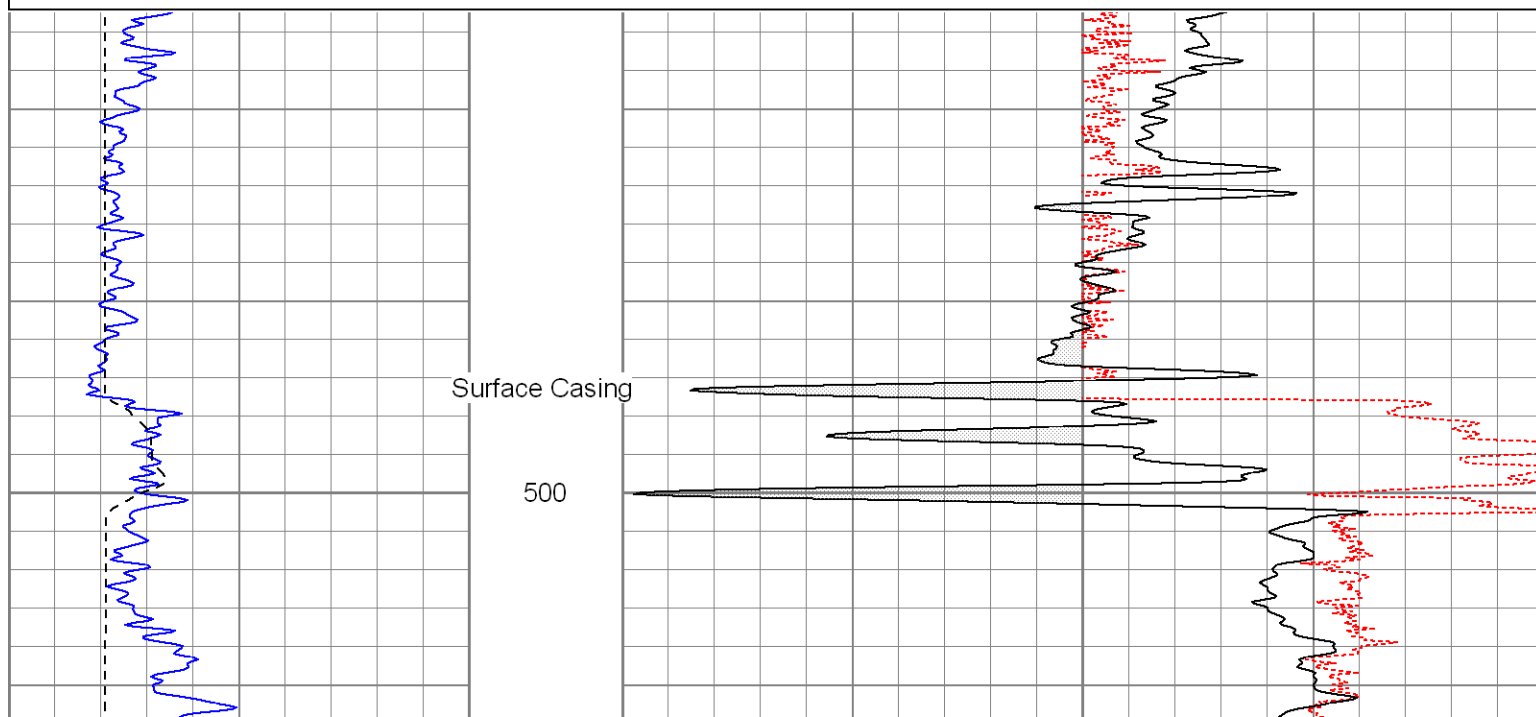
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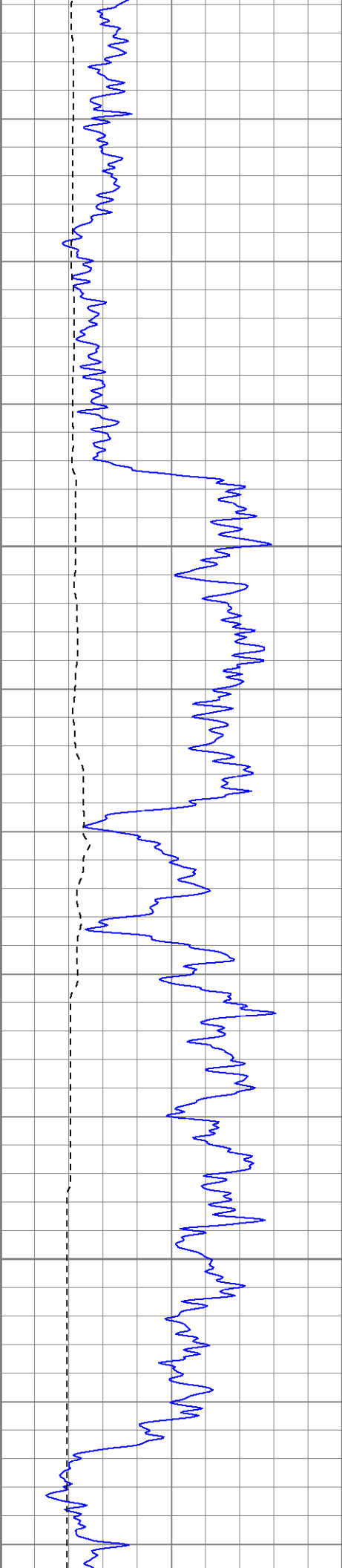
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High Resolution Pass

Database File: xtoge3208.db
Dataset Pathname: pass4.2
Presentation Format: cdlhr
Dataset Creation: Tue Jun 05 13:45:09 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:120

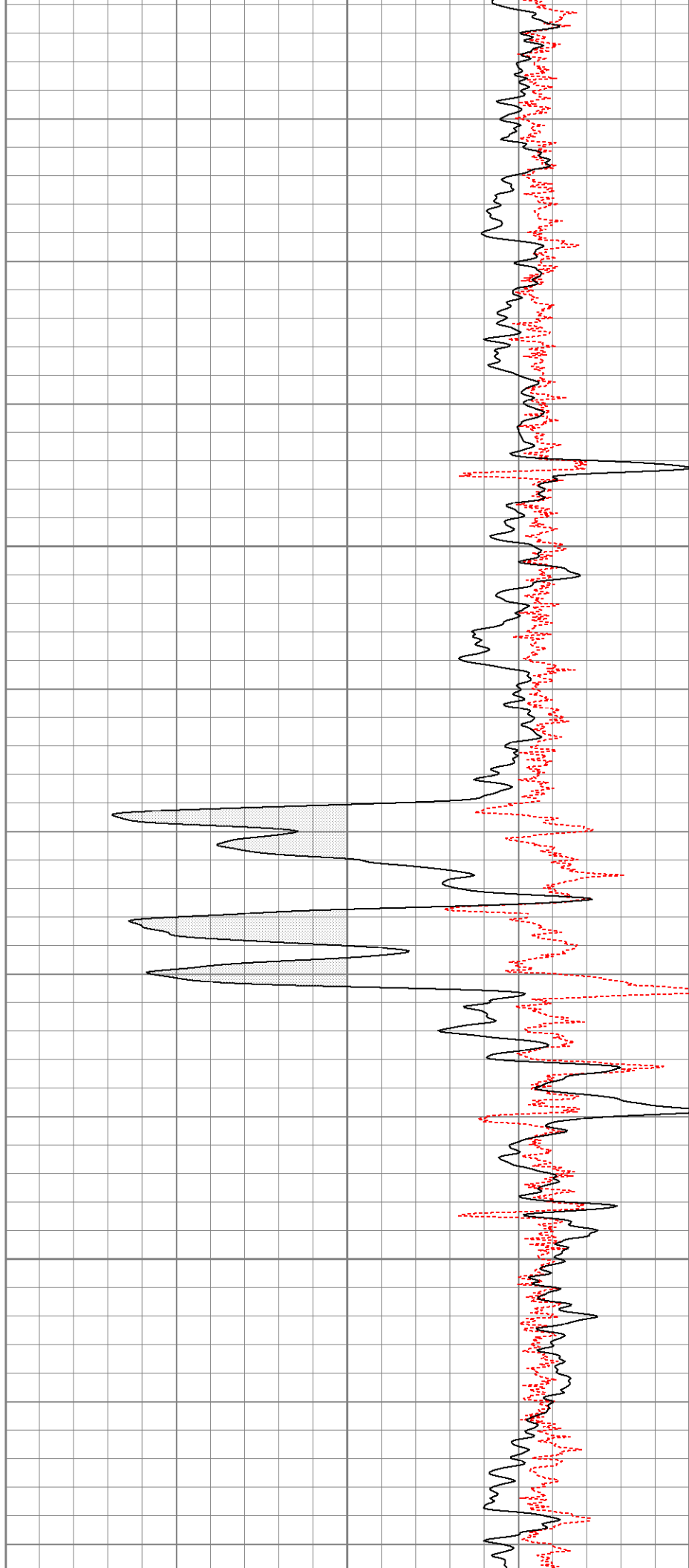
0	GR (GAPI)	200	1	RHOB (g/cc)	3
6	DCAL (in)	16	-0.5	RHOC (g/cc)	0.5





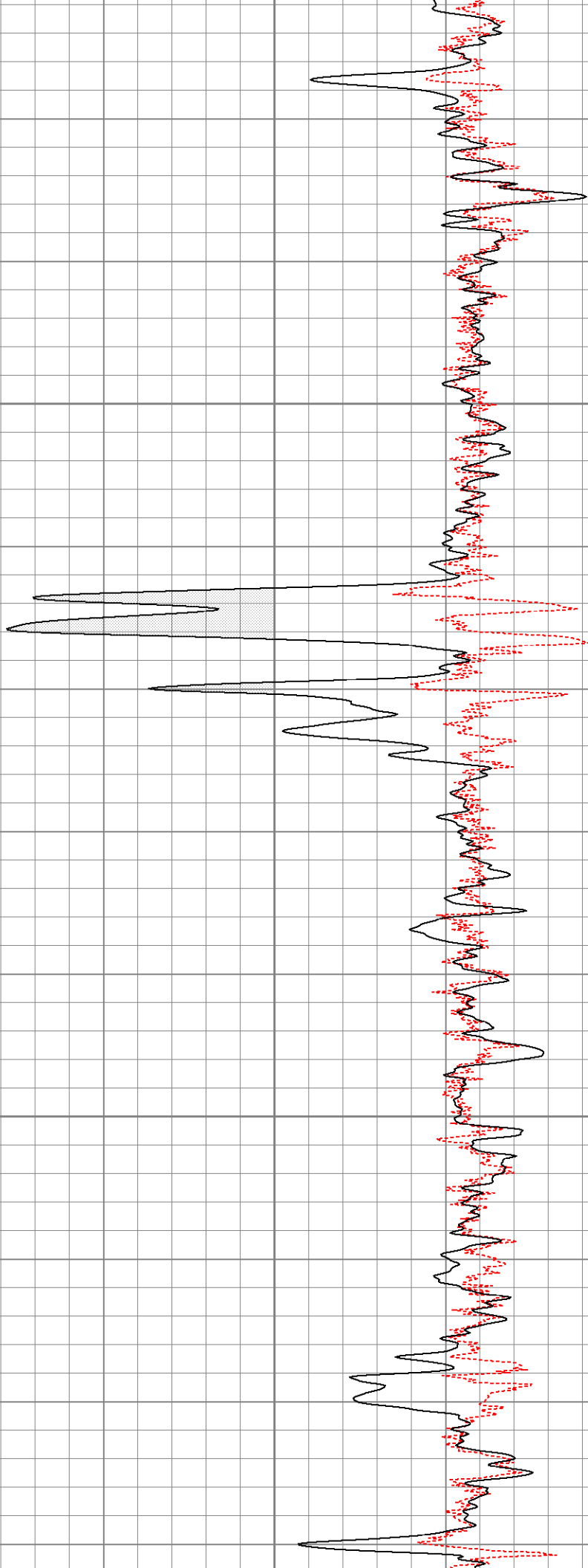
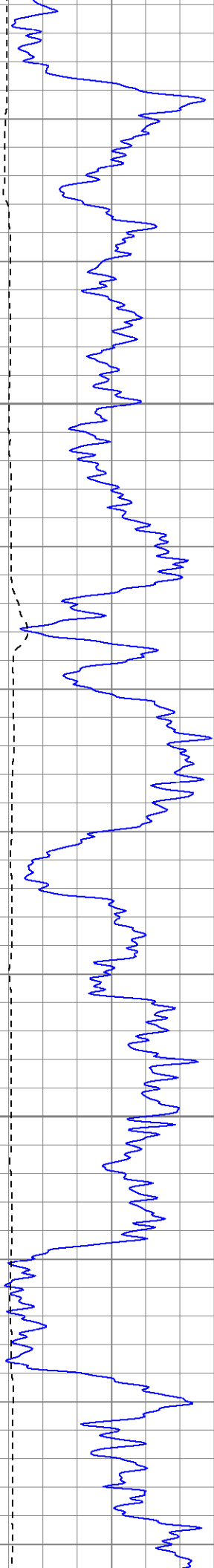
550

600



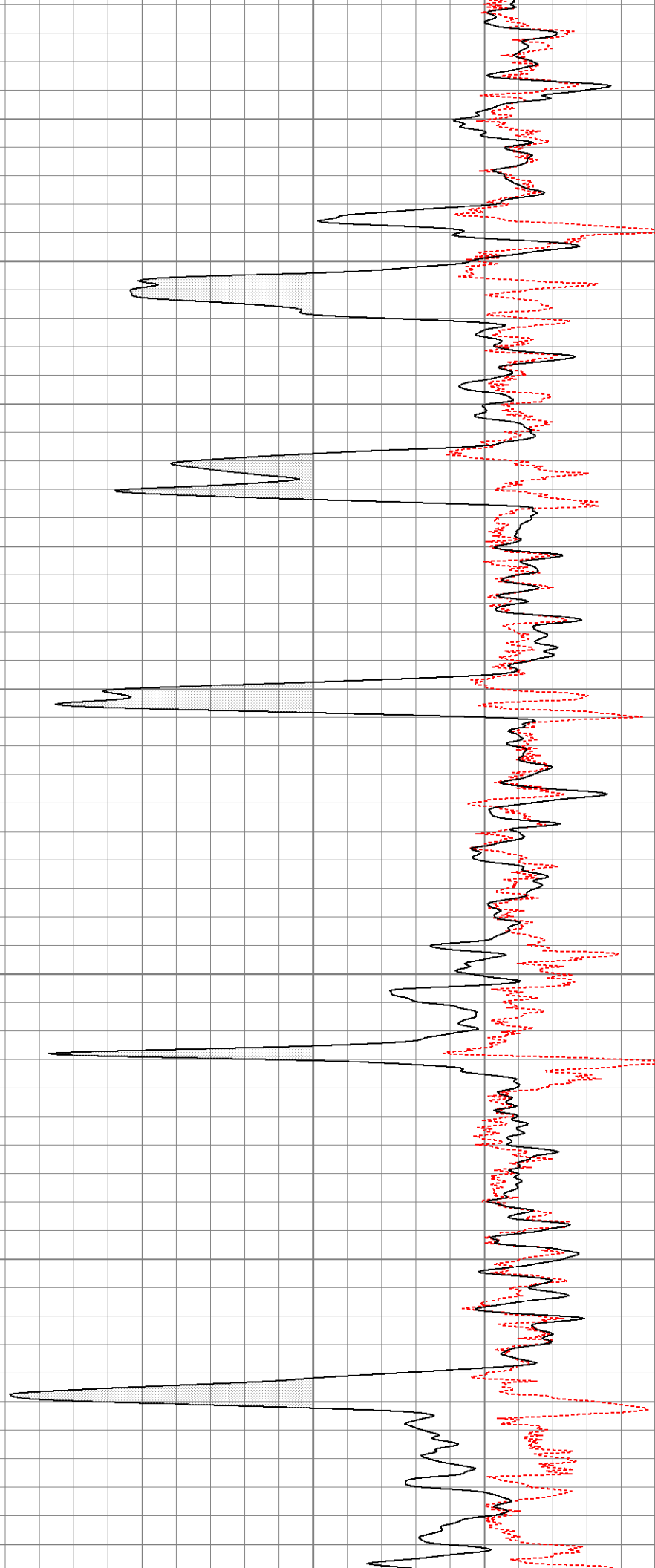
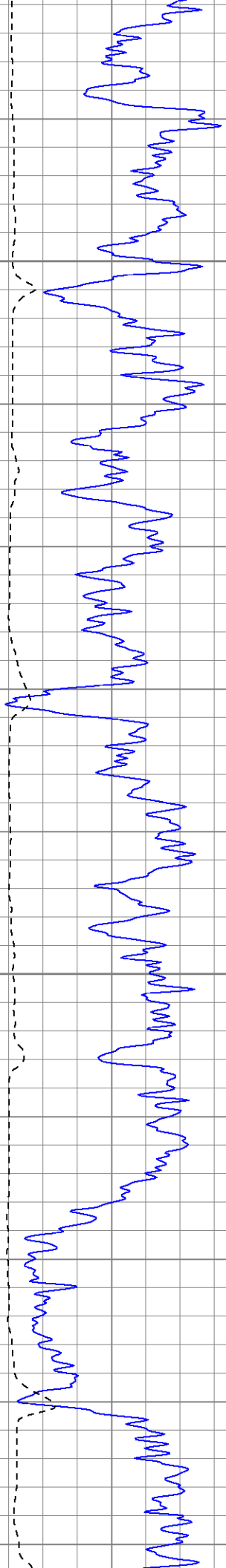
650

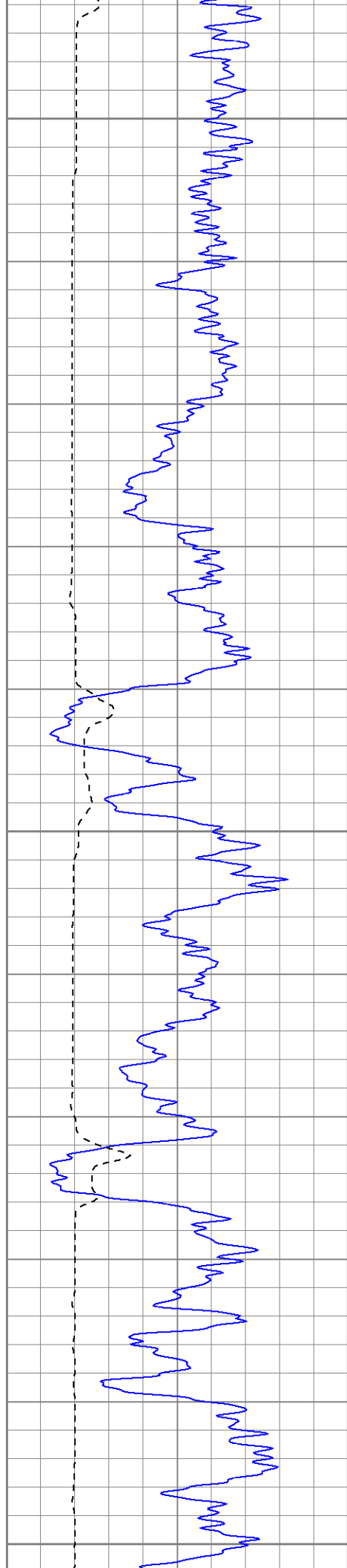
700



750

800

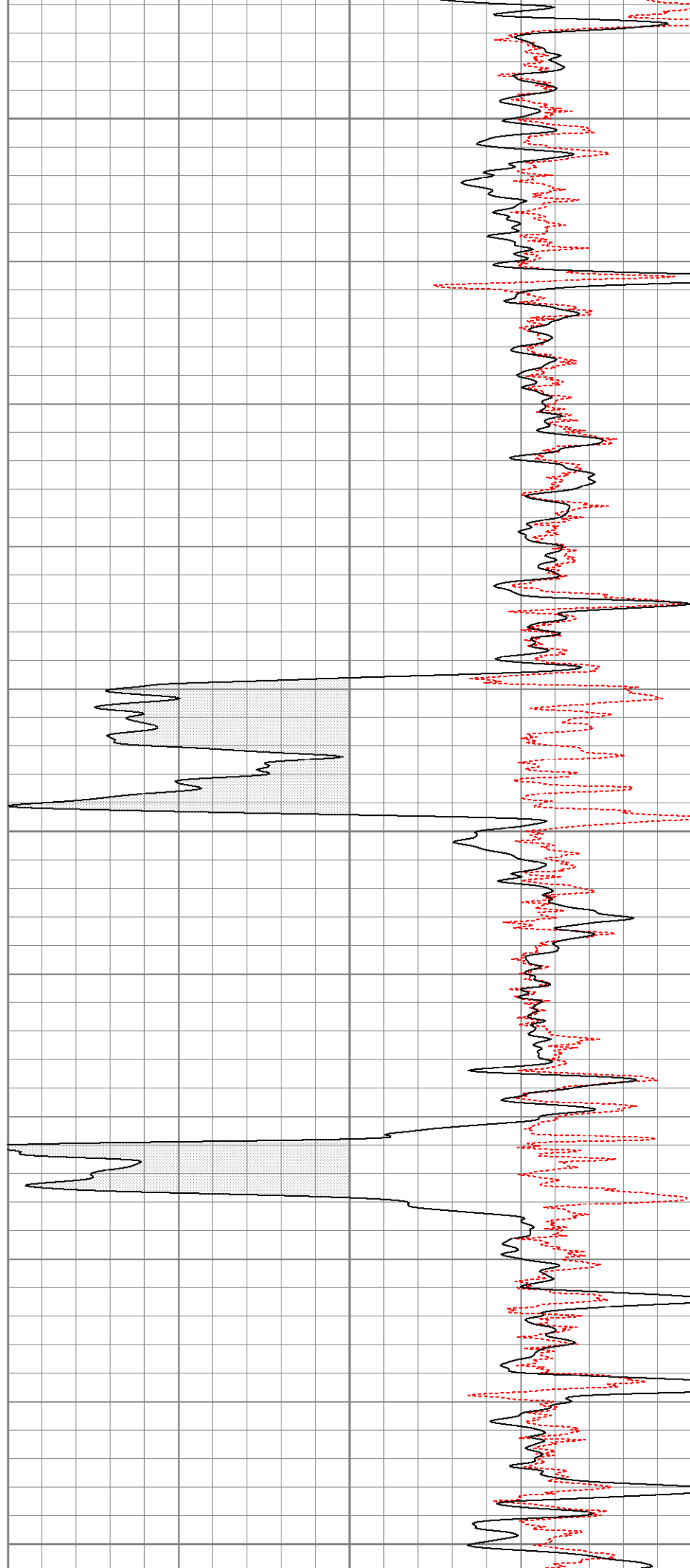


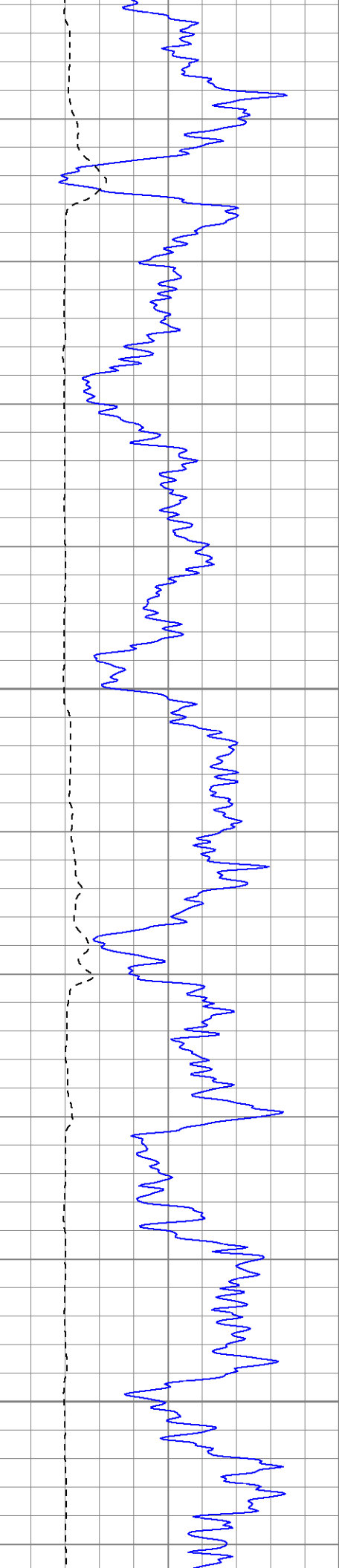


850

900

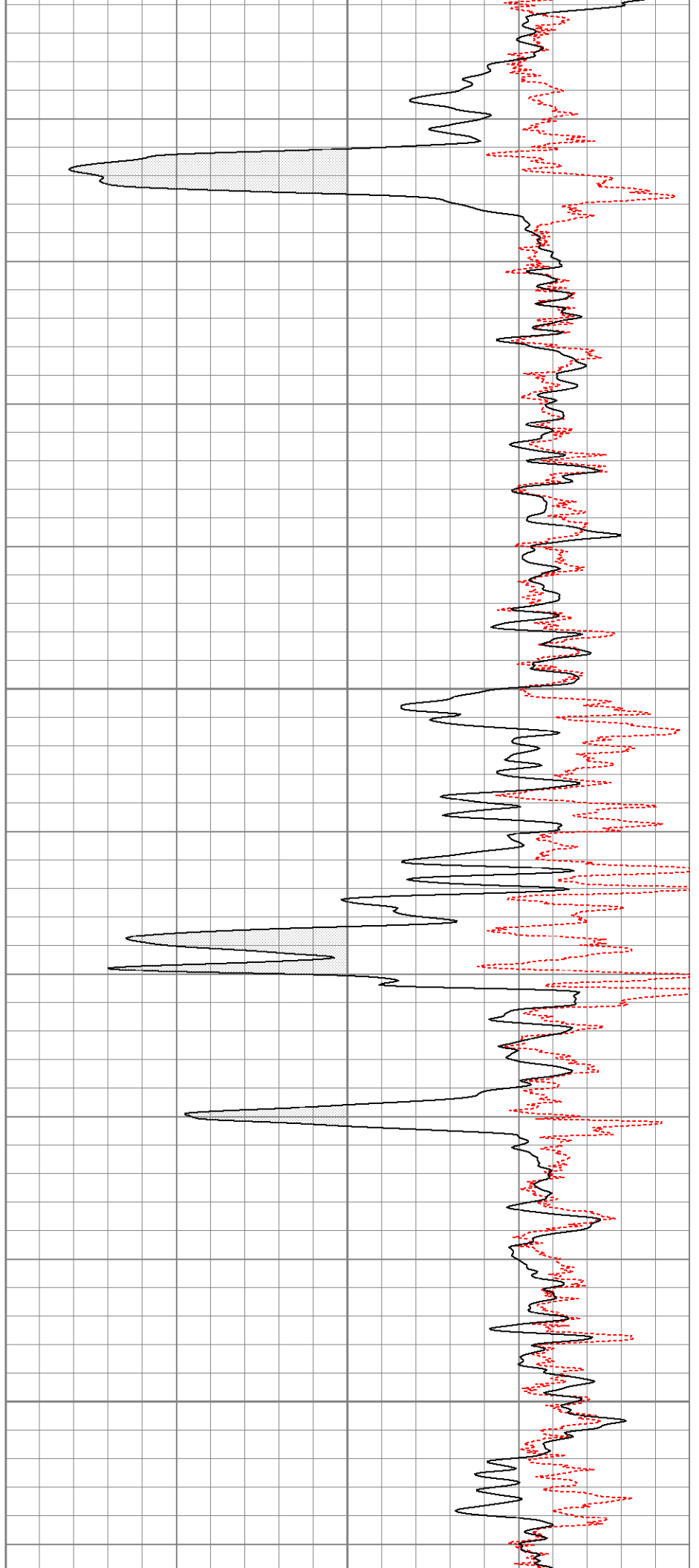
950

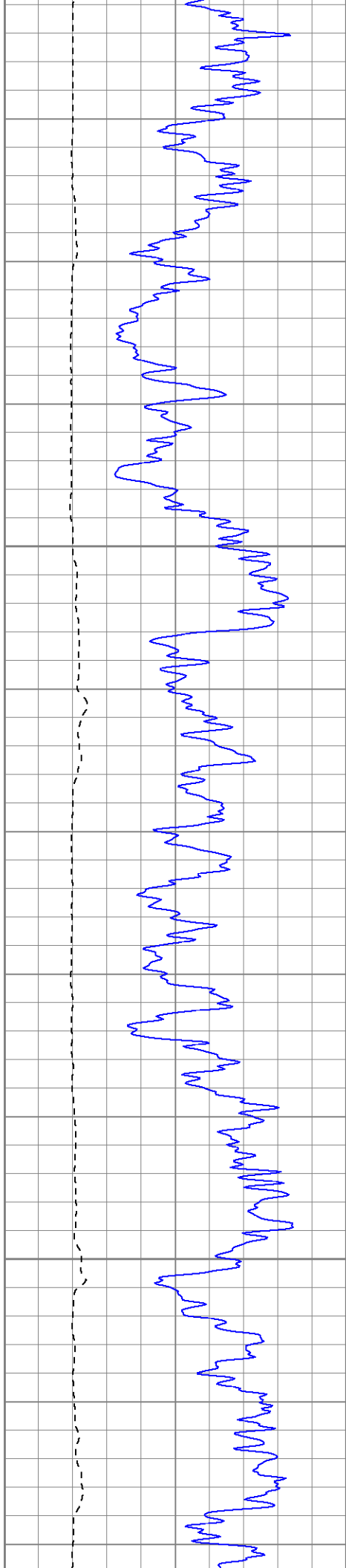




1000

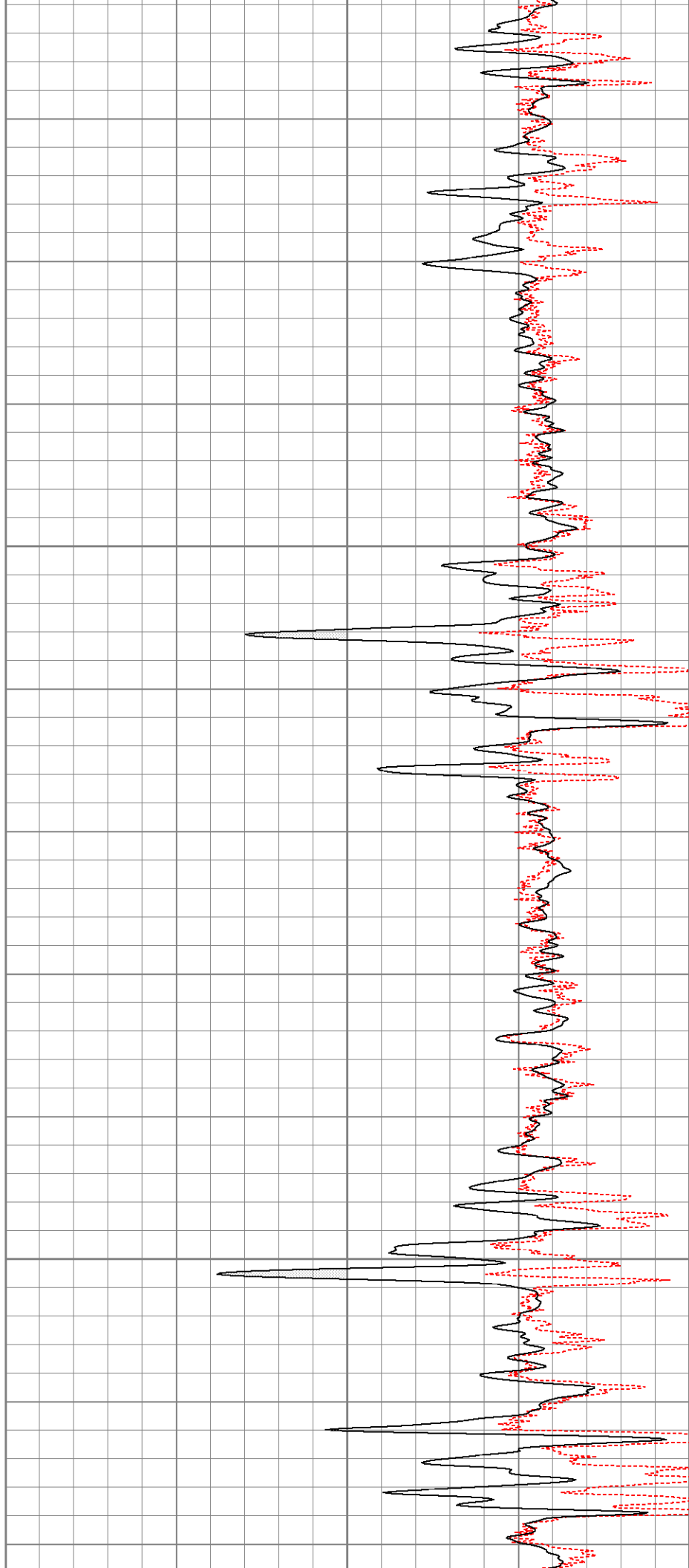
1050

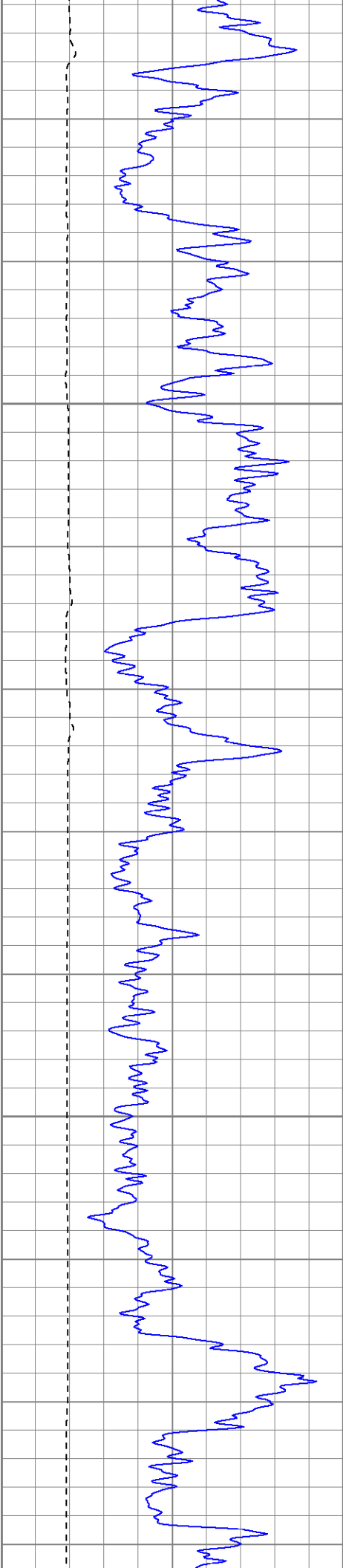




1100

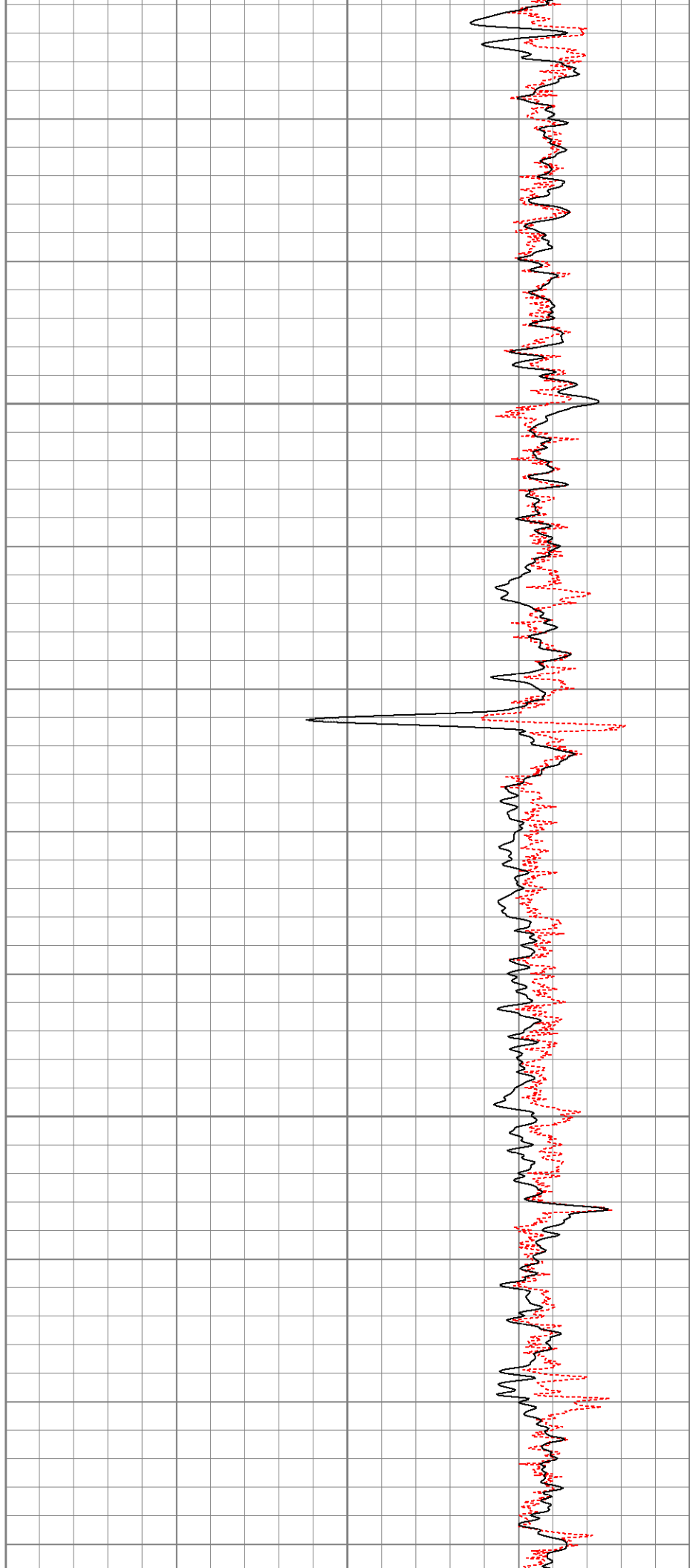
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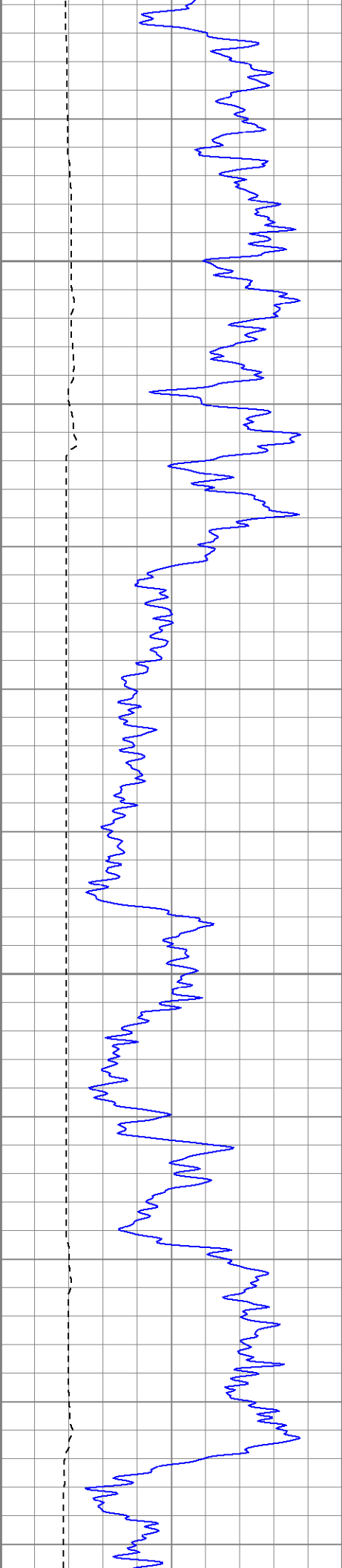




1200

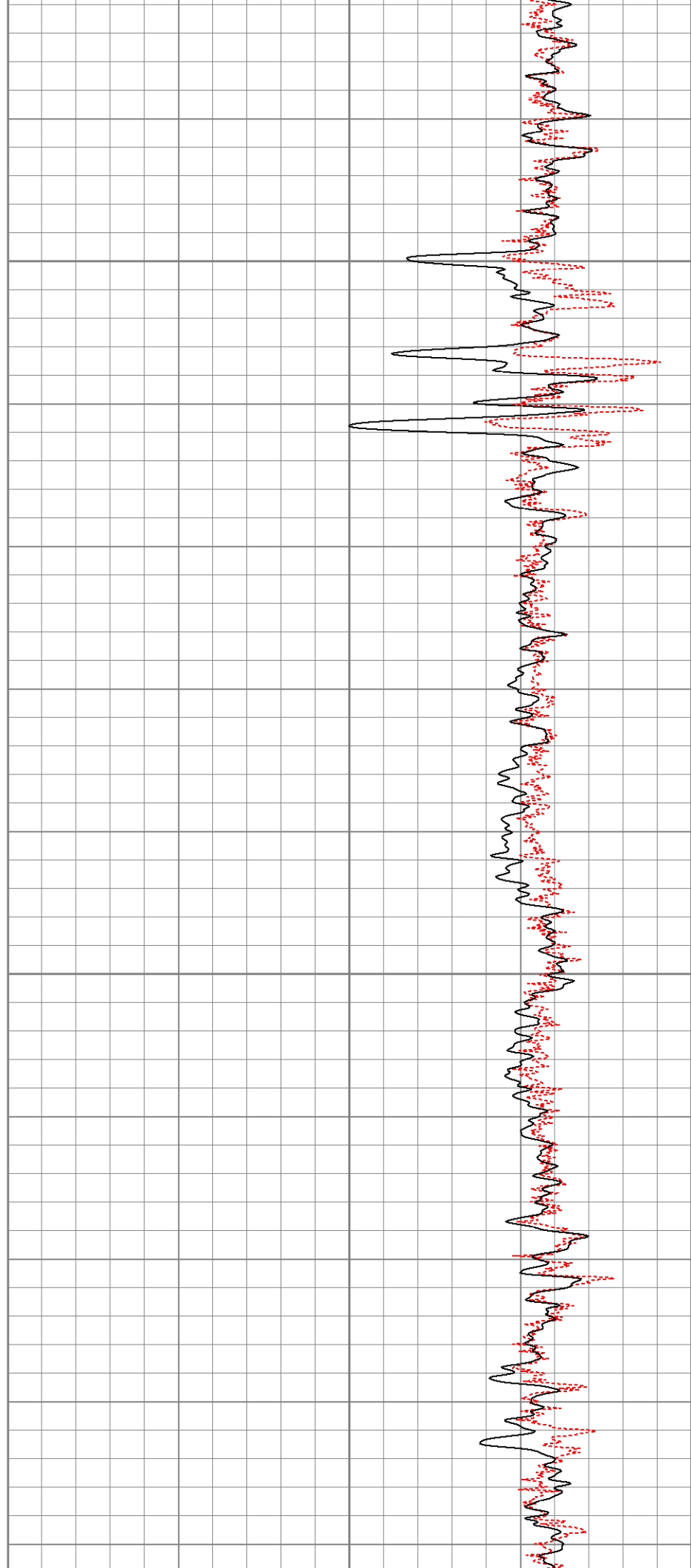
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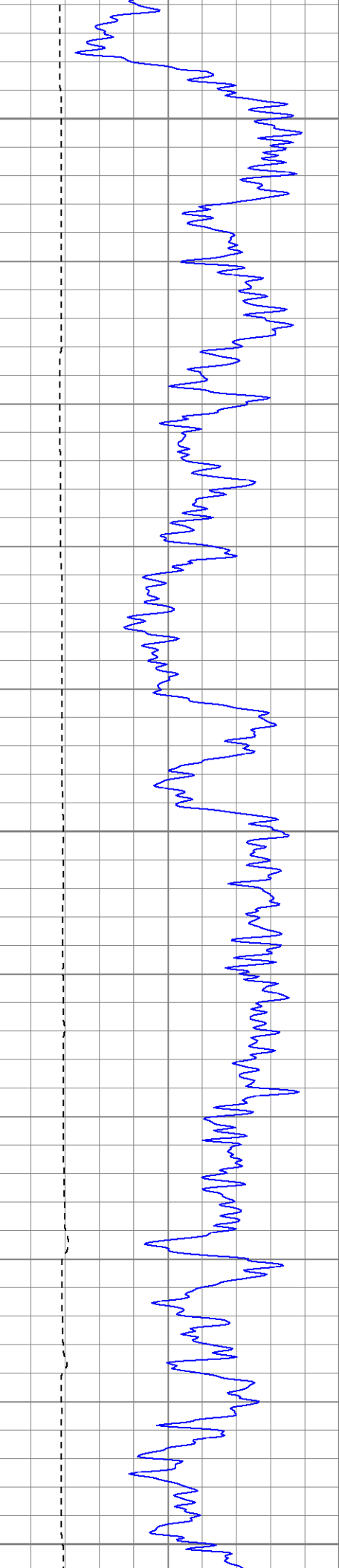




1300

1350

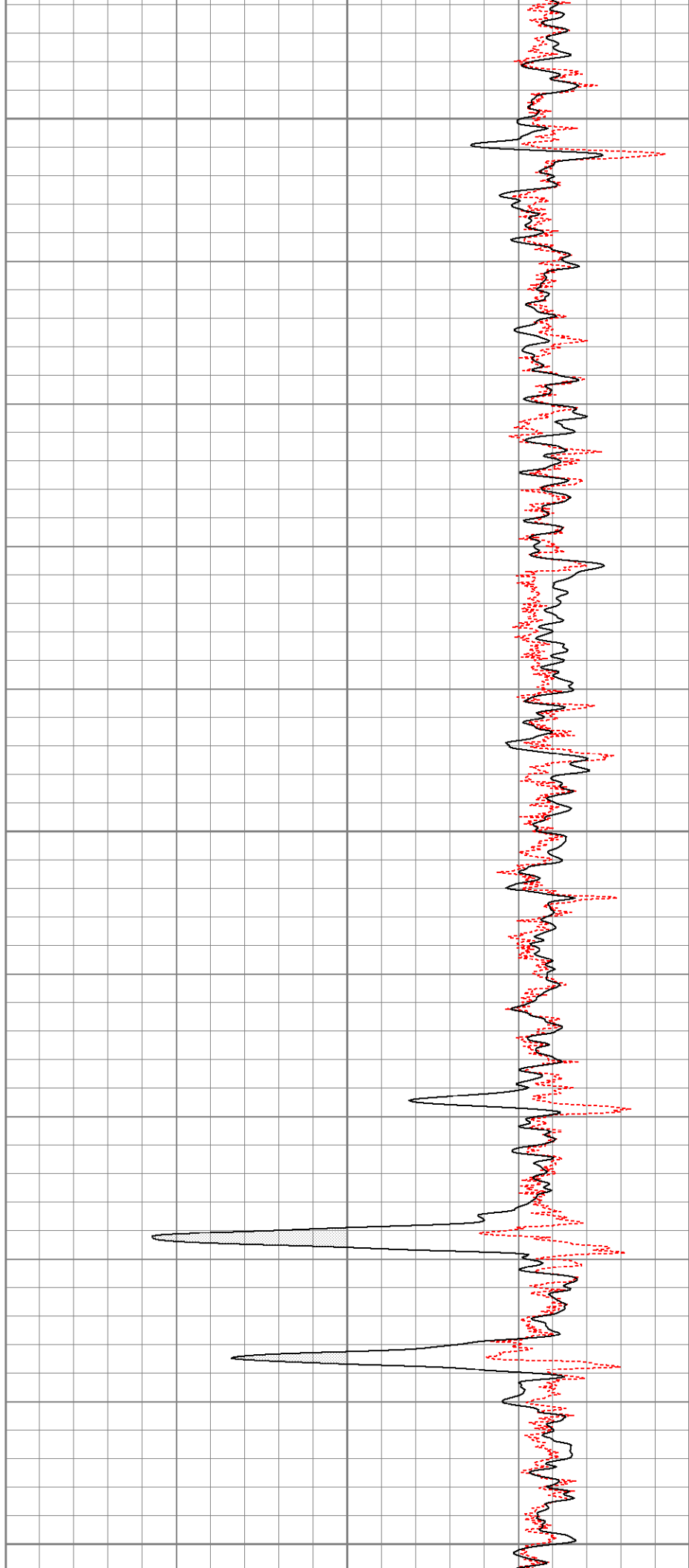


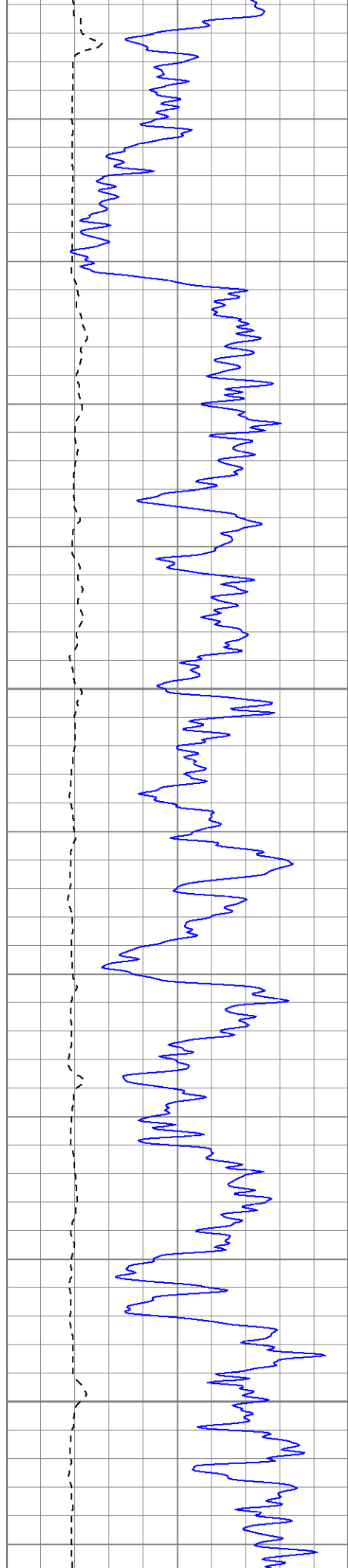


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1450

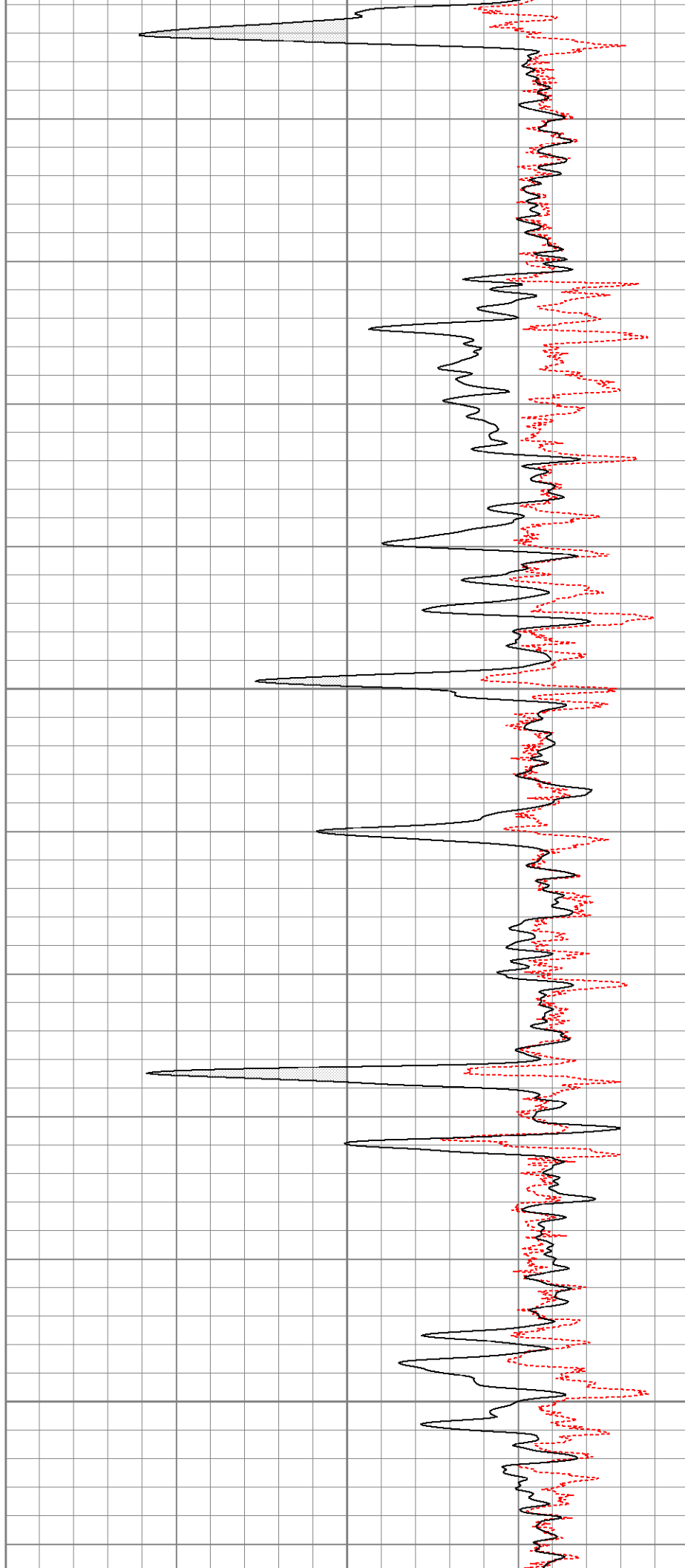
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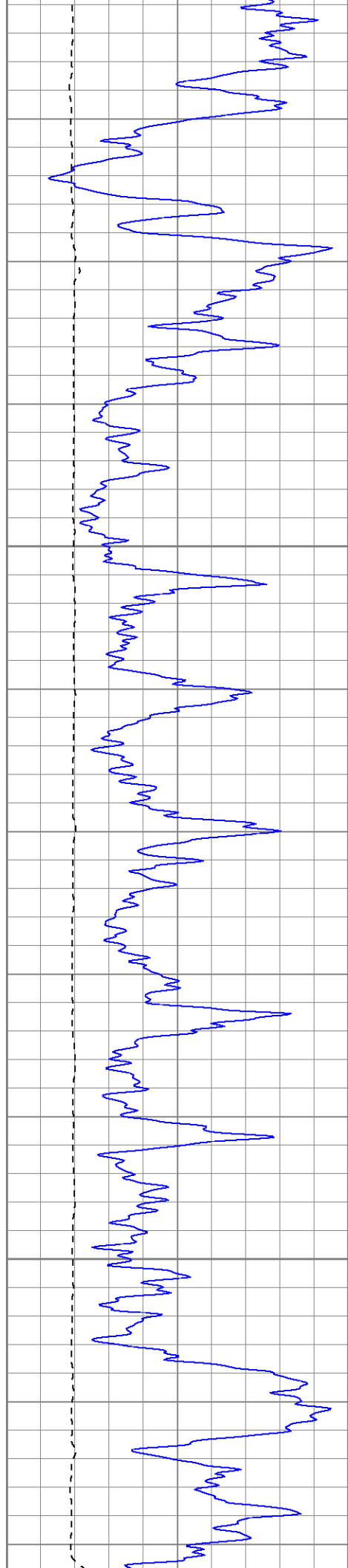




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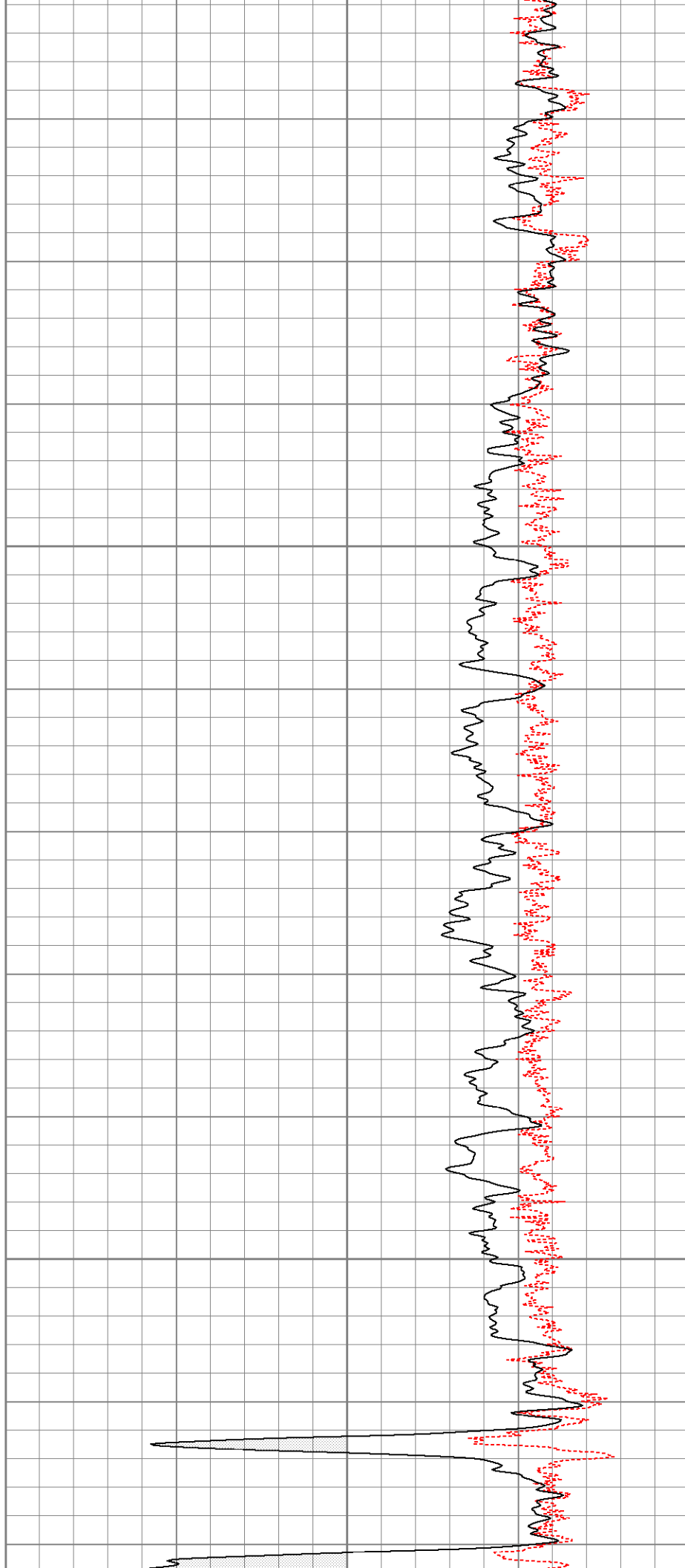
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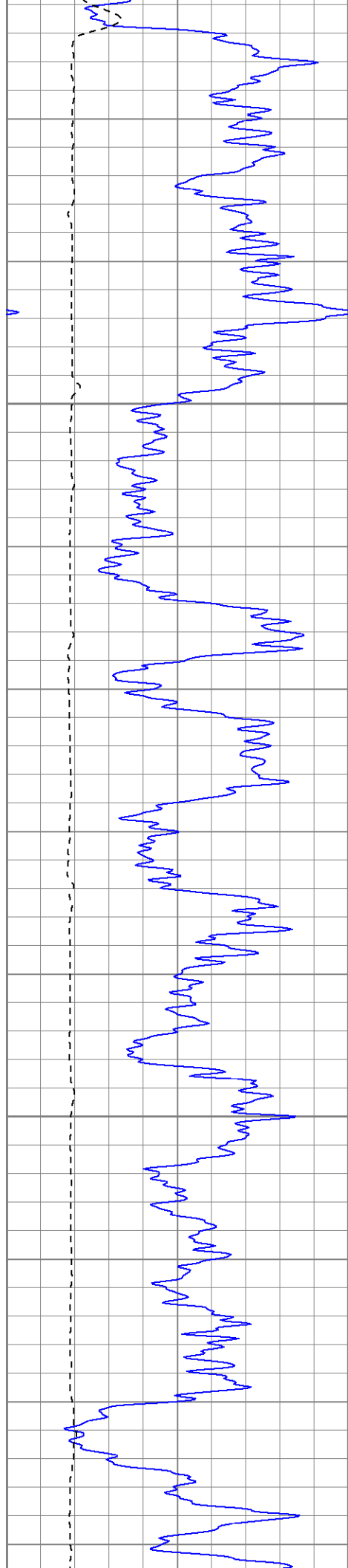




1650

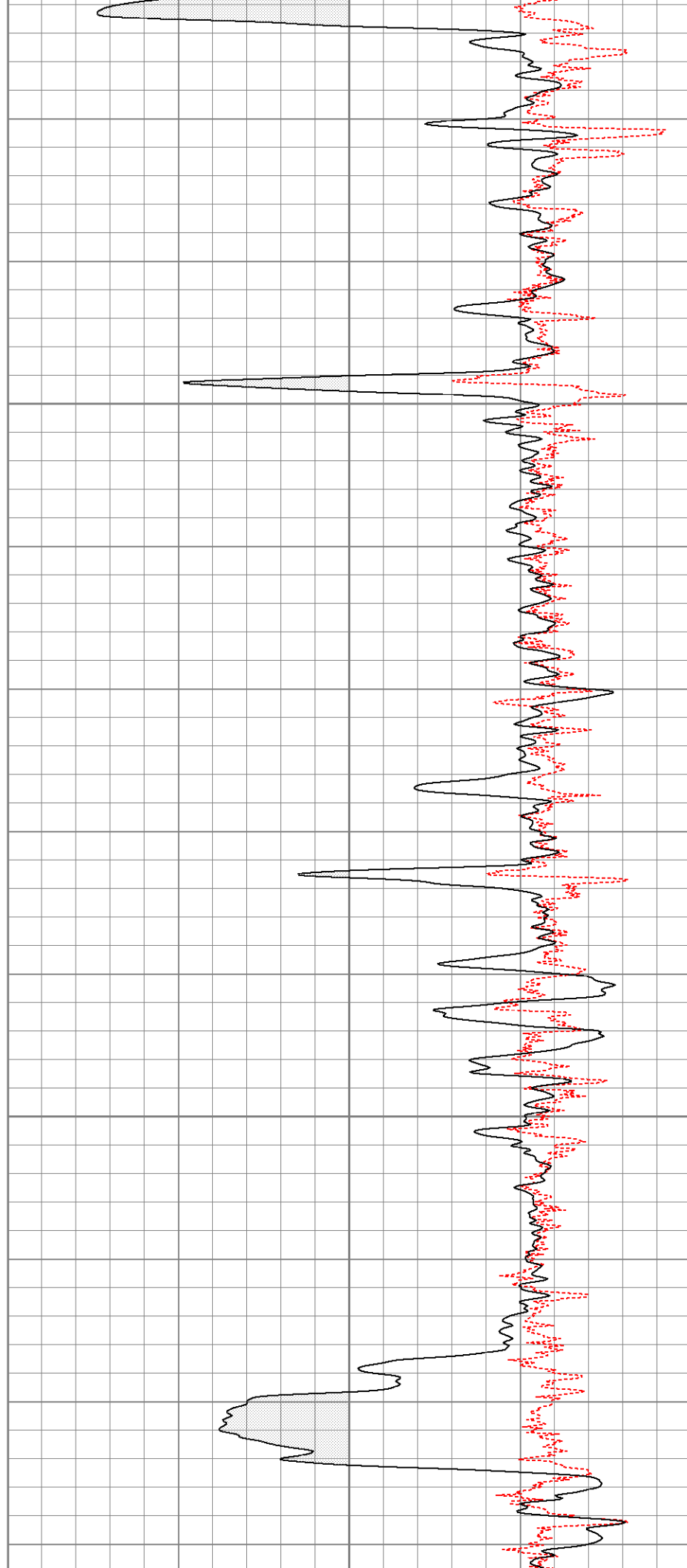
1700





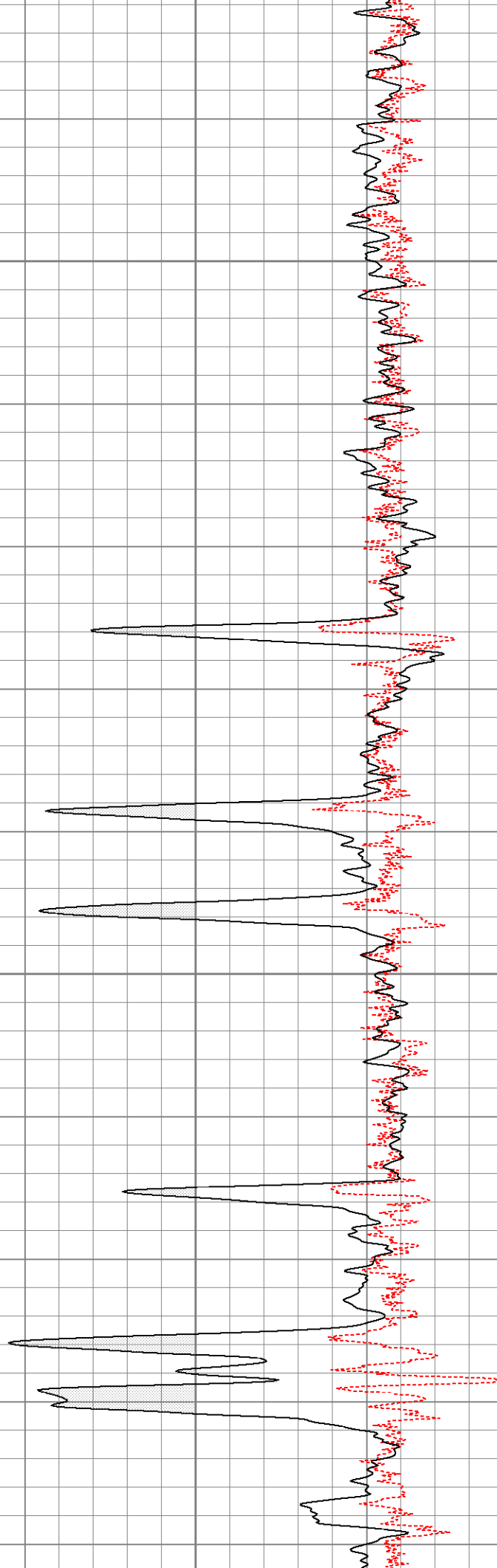
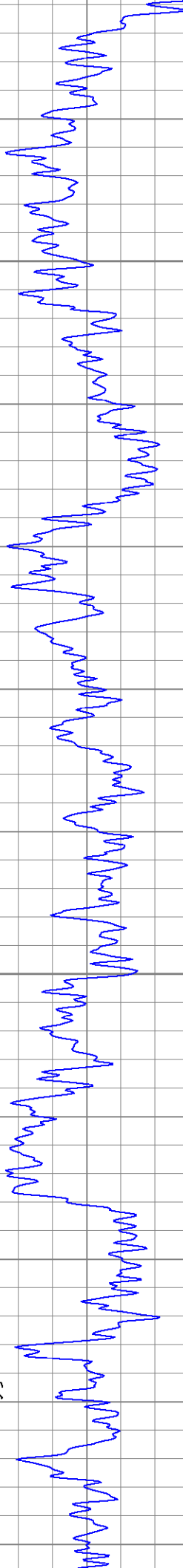
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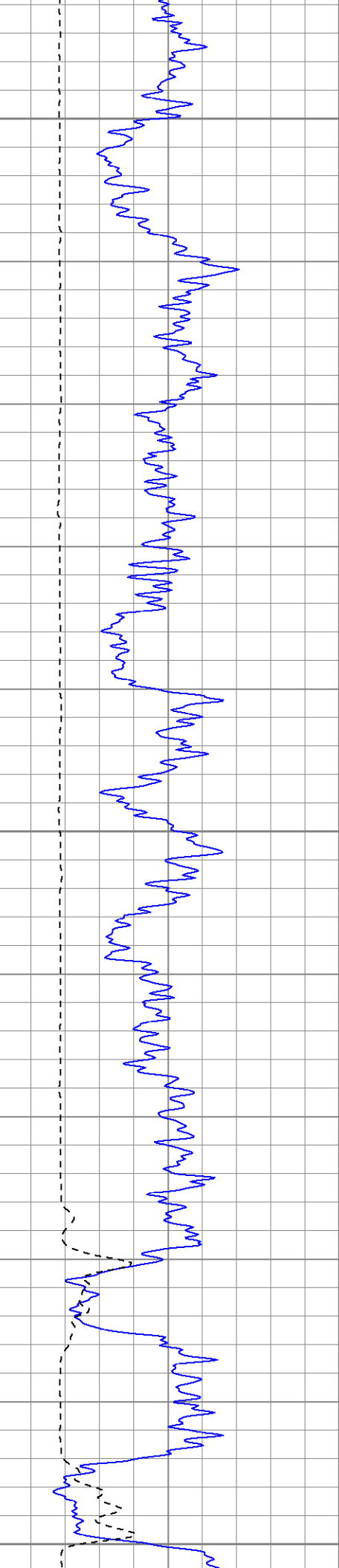
1800



1850

1900

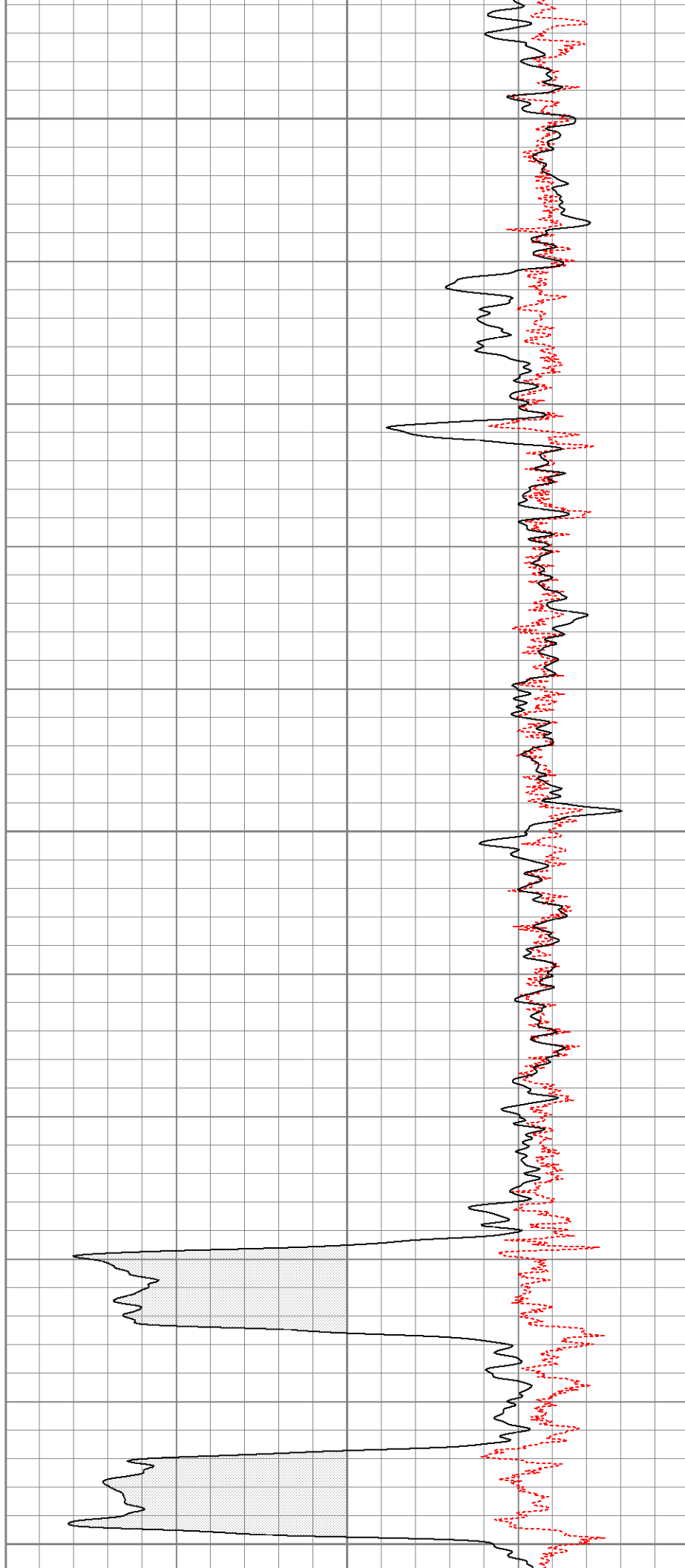


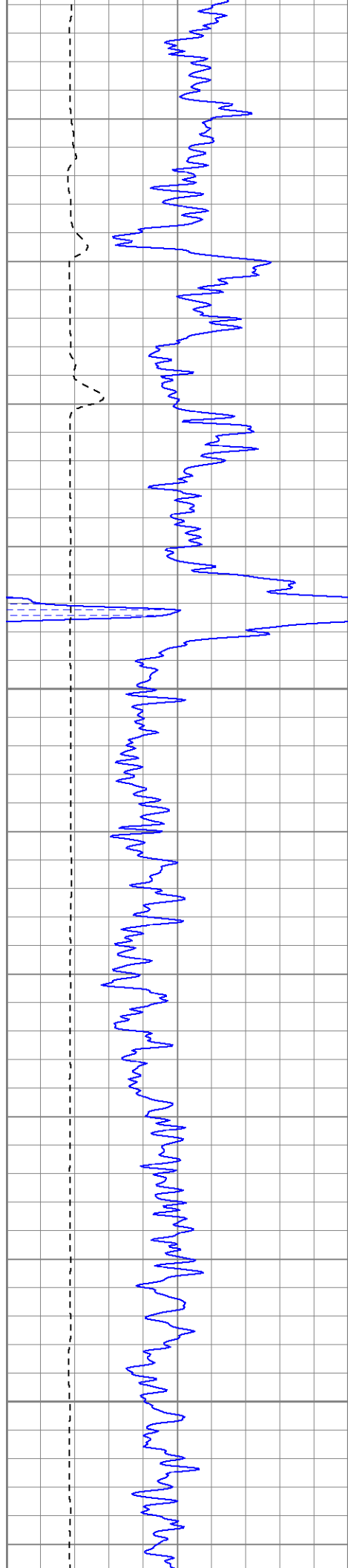


1950

2000

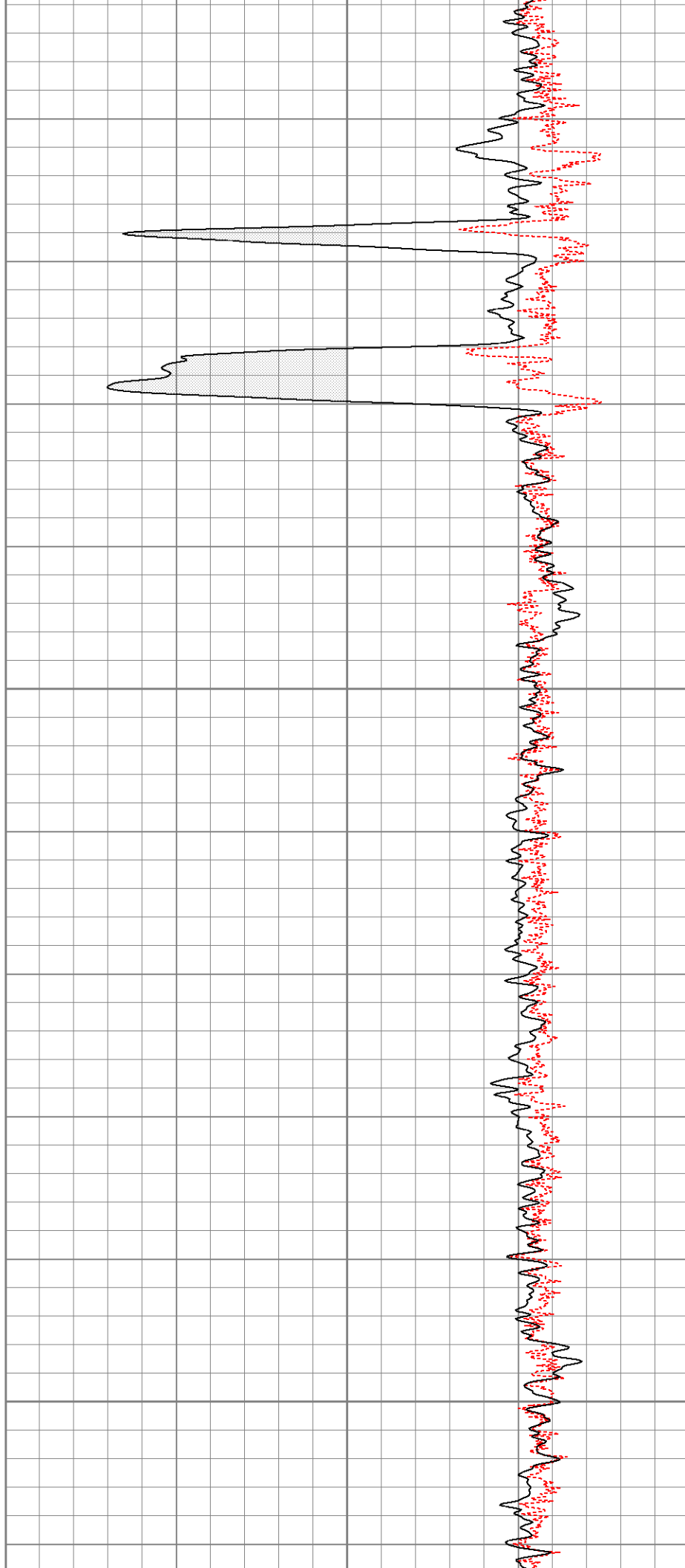
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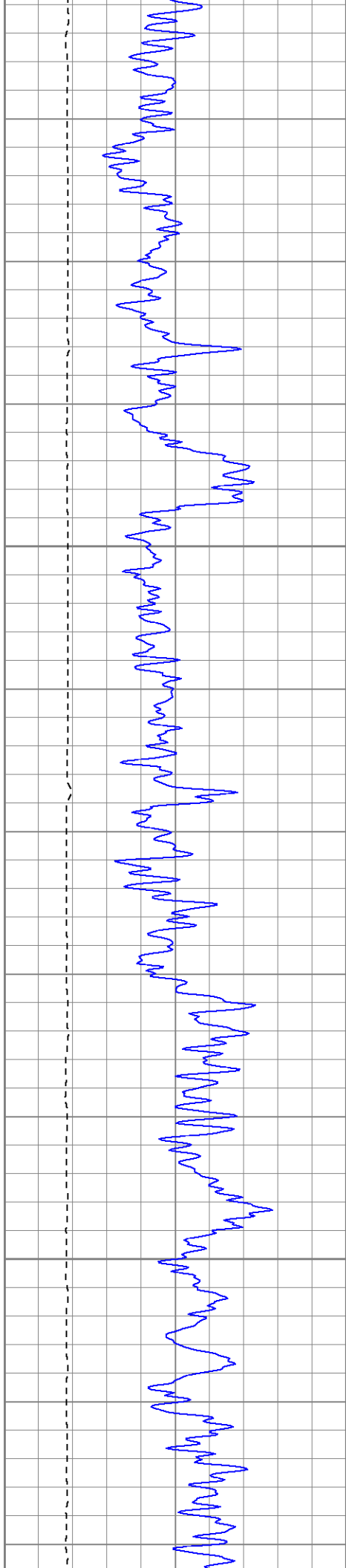




2100

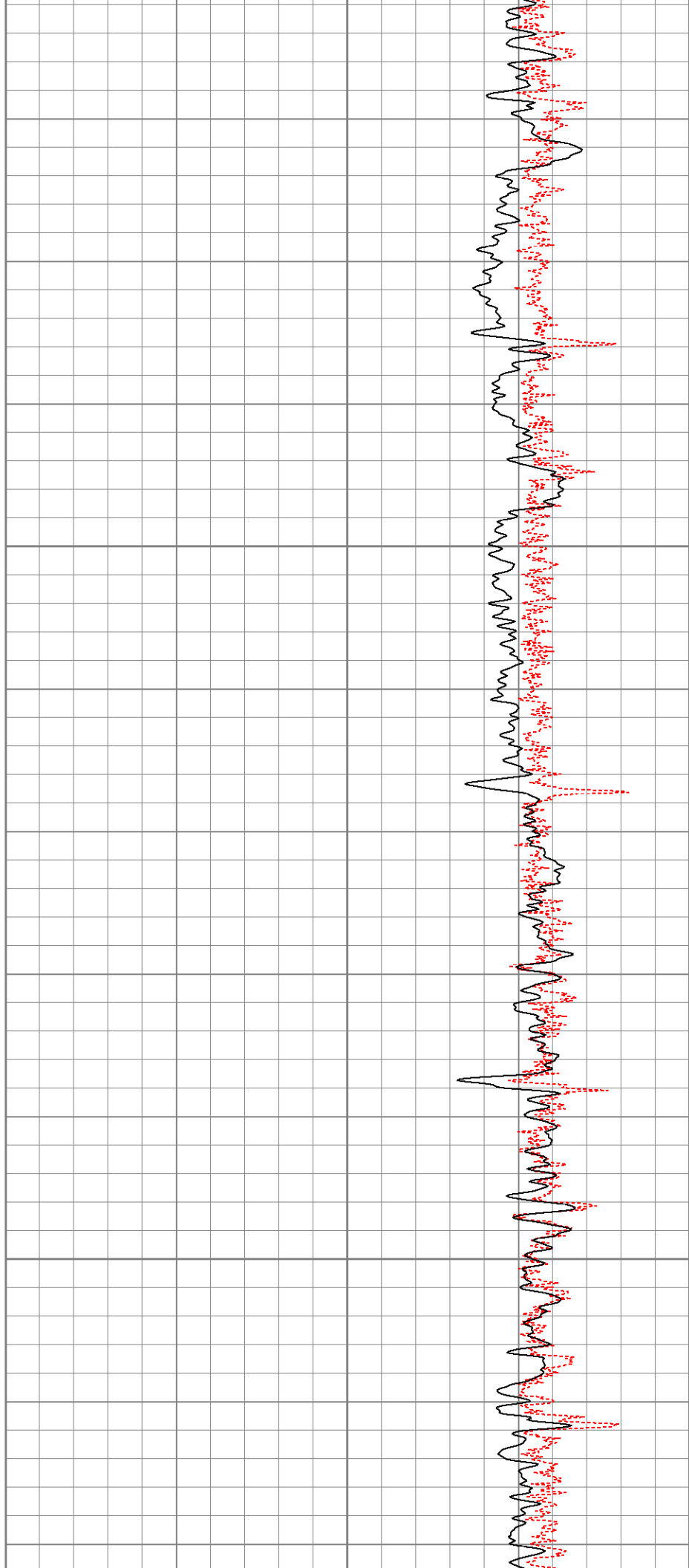
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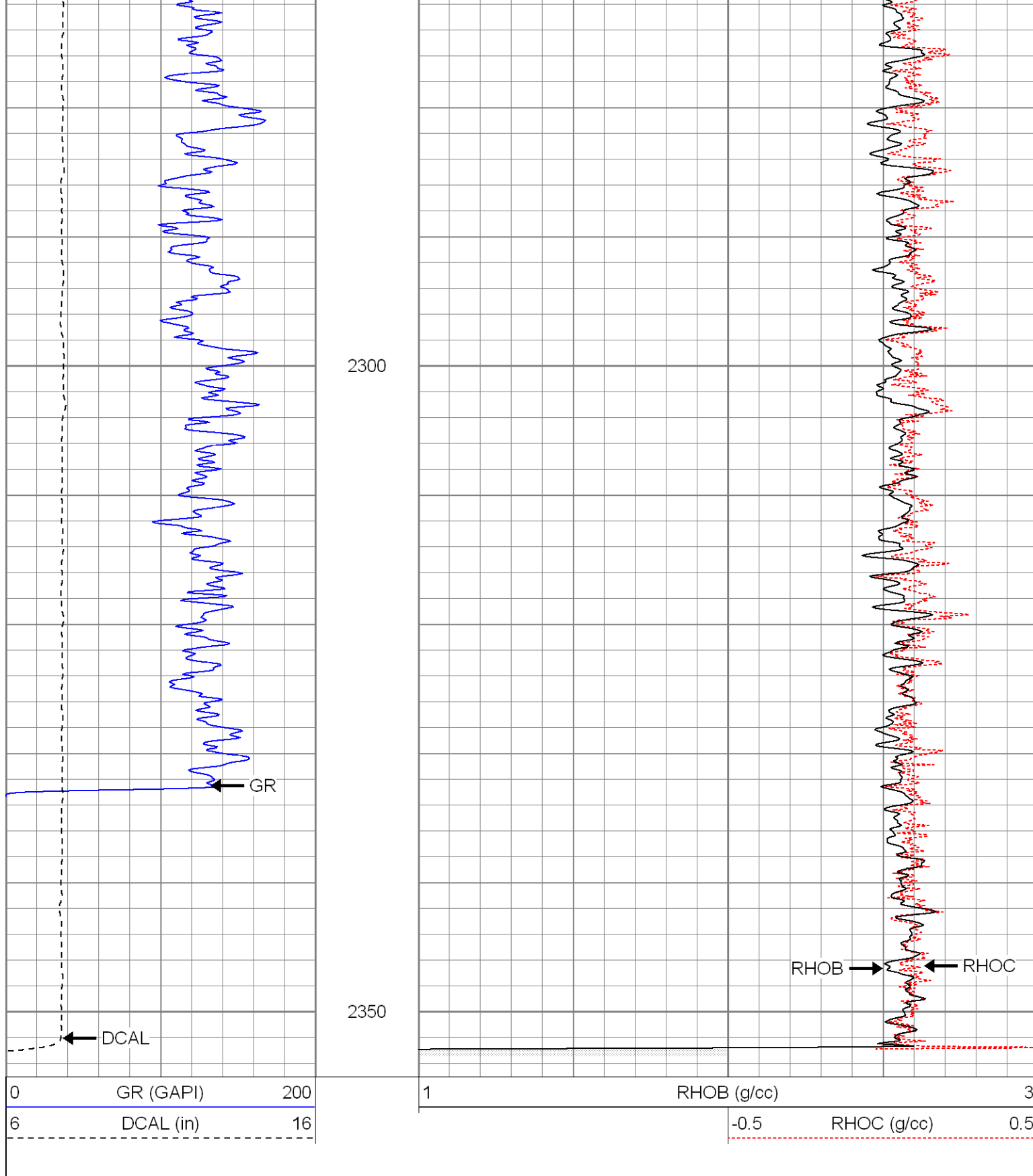




2200

2250





Calibration Report

Database File: xtoge3208.db
Dataset Pathname: pass4
Dataset Creation: Tue Jun 05 09:32:00 2007 by Log Open-Cased 061129

Compensated Density Calibration Report

Serial-Model: 2119-O
Source / Verifier: csv-j12 / blks
Master Calibration Performed: Thu May 17 21:21:21 2007


Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	988.49	602.41	cps
Aluminum	2.590	g/cc	220.69	404.88	cps
Spine Angle = 75.16			Density/Spine Ratio = 0.567		
	Size		Reading		
Small Ring	7.85	in	3.20	V	
Large Ring	14.00	in	8.81	V	

Gamma Ray Calibration Report

Serial Number:	2119	
Tool Model:	O	
Performed:	Sun May 20 09:48:53 2007	
Calibrator Value:	170.0	GAPI
Background Reading:	42.6	cps
Calibrator Reading:	139.0	cps
Sensitivity:	0.3500	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	12.44		None	0.75	1.50	5.00
			NEU-G (5145) Gearhart Epithermal	5.75	3.50	85.00
GR	7.64		GR-O (2119) Oilex	2.60	3.63	74.00
LSD	2.13		CDL-O (2119) Oilex	5.77	4.00	201.00
DCAL	1.79					
SSD	1.58					
Dataset: xtoge3208.db: field/well/run1/pass4 Total Length: 14.87 ft Total Weight: 365.00 lb O.D. 4.00 in						