



MICROLOG

Company C & G DRILLING, INC		Company C & G DRILLING, INC	
Well	HALL C # 1	Well HALL C # 1	
Field	HAZLETT	Field HAZLETT	
County	BUTLER	County BUTLER	
State	KANSAS	State KANSAS	
Location:		API # : 15-015-24200-00-00	
Permanent Datum		GL	
Log Measured From		KB 9	
Drilling Measured From		KB	
SEC 2 TWP 24S RGE 4E		Elevation 1418	
N/2 SE SE 990' FSL & 660' FEL		Other Services DIL CDLN	
Elevation 1418		Elevation K.B. 1427 D.F. 1426 G.L. 1418	
Date	3-12-2023		
Run Number	ONE		
Depth Driller	2700		
Depth Logger	2699		
Bottom Logged Interval	2697		
Top Log Interval	200		
Casing Driller	8.625" @ 202		
Casing Logger	8.625" @ 211		
Bit Size	7.875"		
Type Fluid in Hole	MUD		
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			
Time Logger on Bottom	6:30 AM		
Maximum Recorded Temperature	102		
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	SHELDON TYLER		
Witnessed By	MR. STOUT	MR. WOLFE	

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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

FILE # OW2-9178 C&G DRILLING
KIDD, LUKE
THANK YOU FOR USING OSAGE WIRELINE

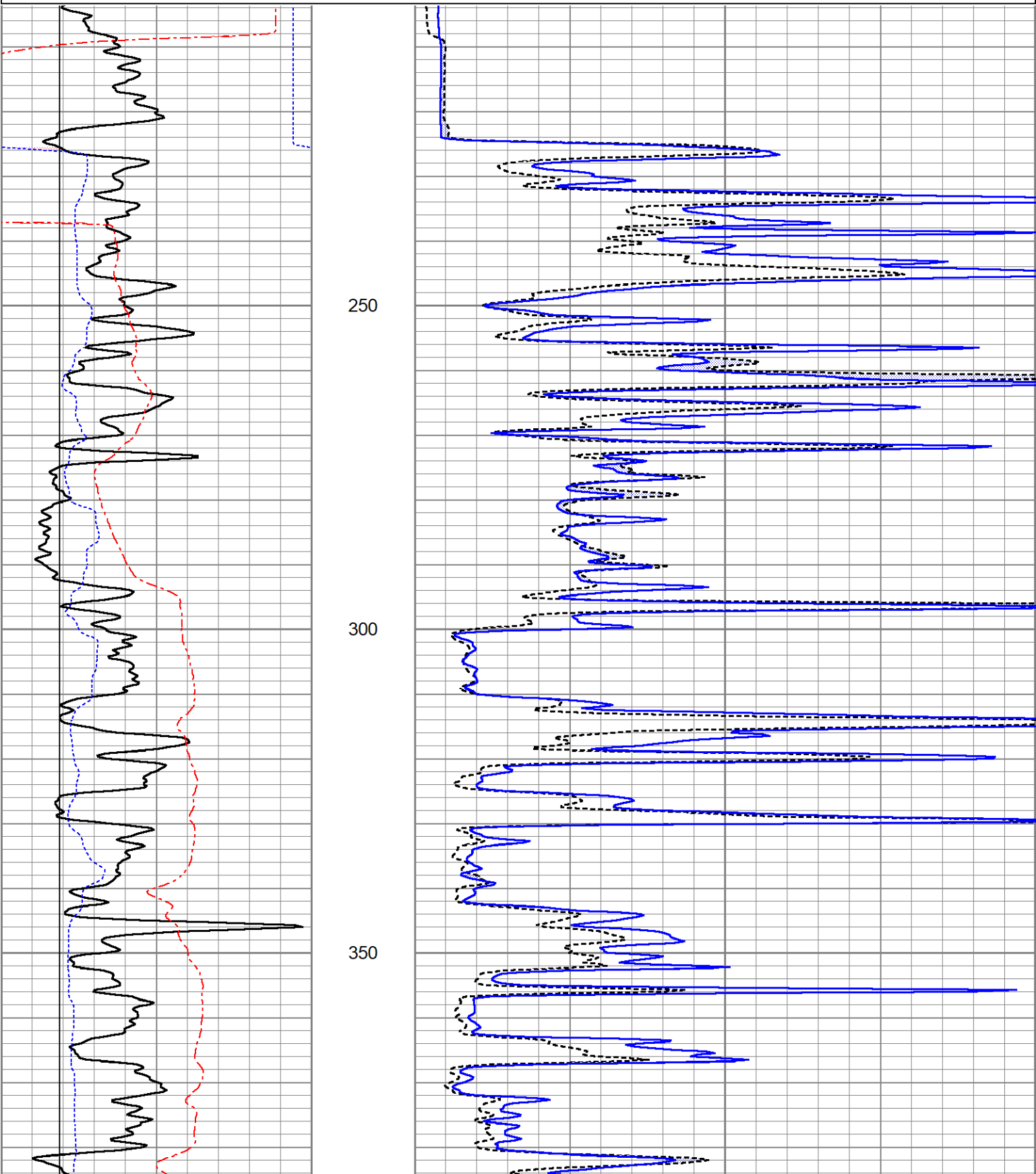


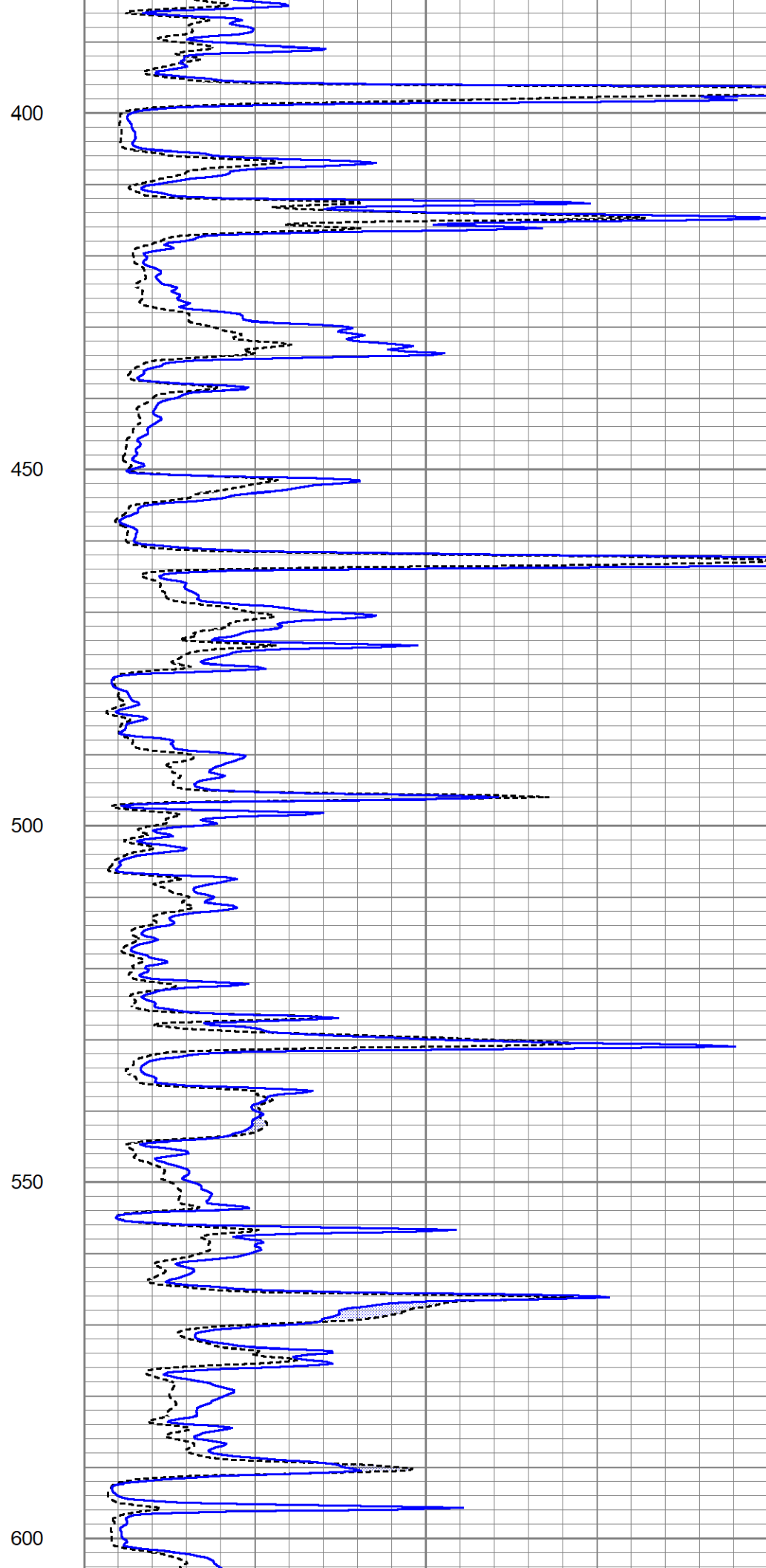
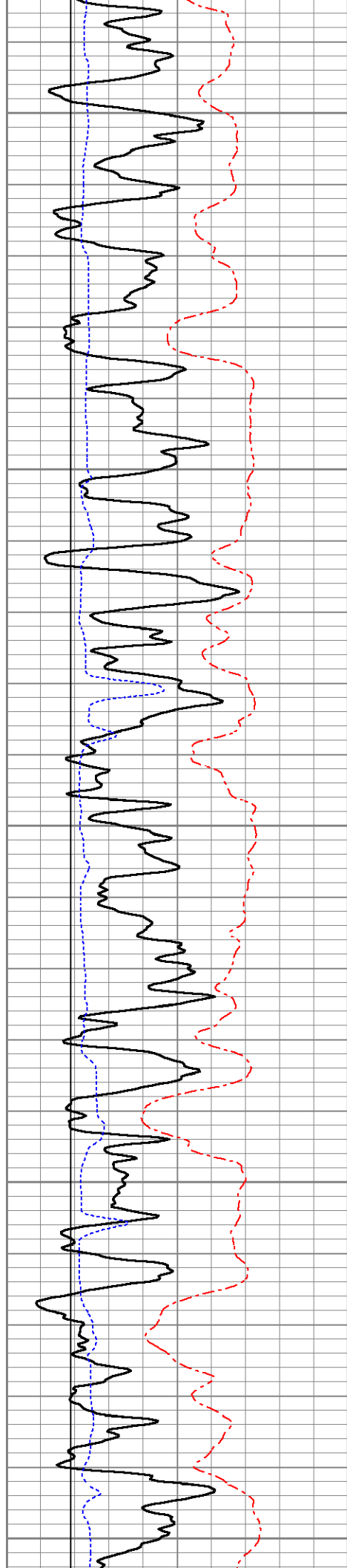
5" MICROLOG

Database File	ow2-9178 c g drilling.db
Dataset Pathname	pass3.11
Presentation Format	st_digitalmicro_6-16
Dataset Creation	Sun Mar 12 07:20:44 2023
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Micro Caliper (in)	16
6	Bit Size (in)	16
50	Spontaneous Potential (mV)	220

0	Micro Normal (Ohm-m)	40
0	Micro Inverse (Ohm-m)	40



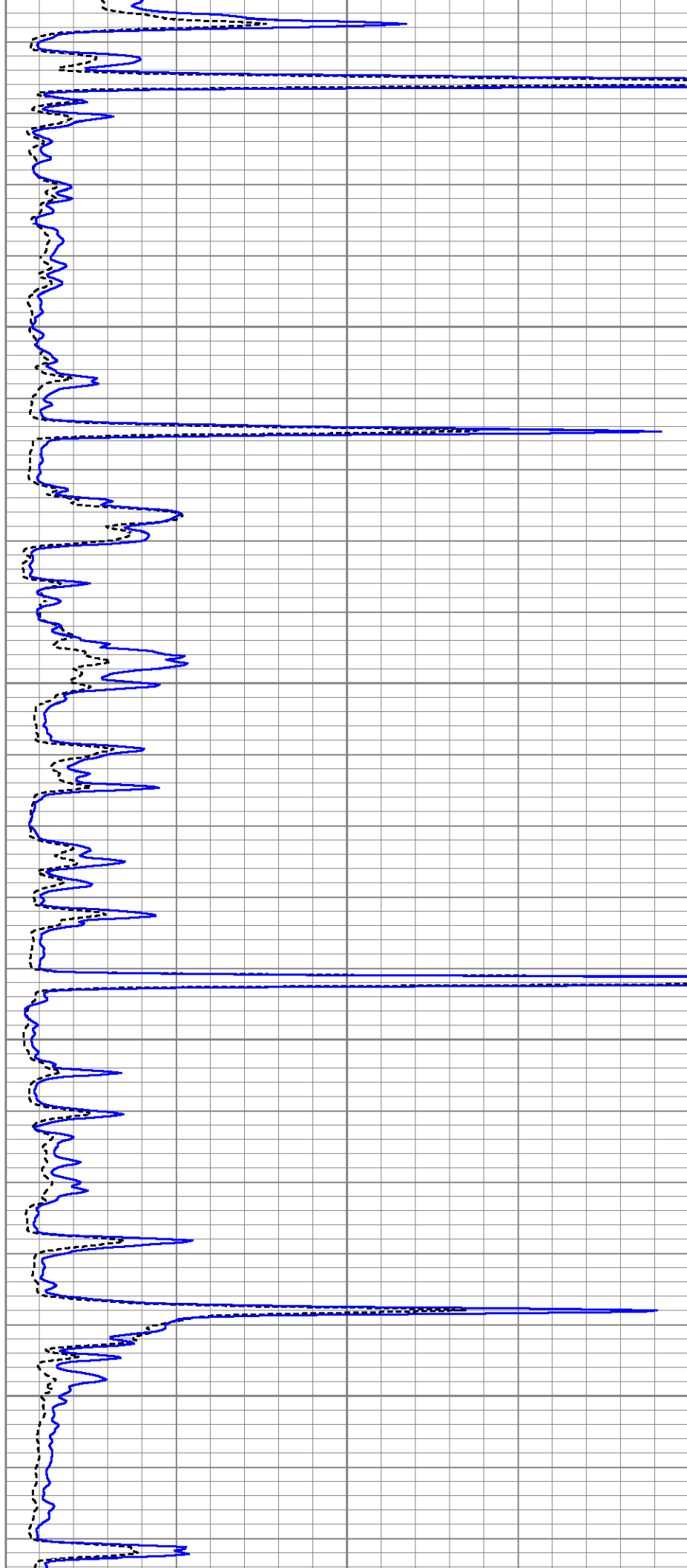
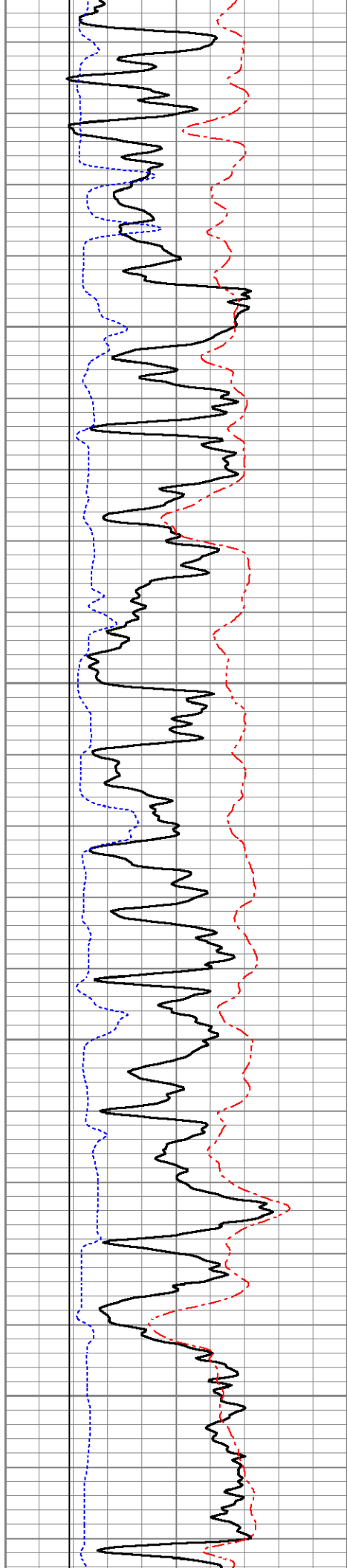


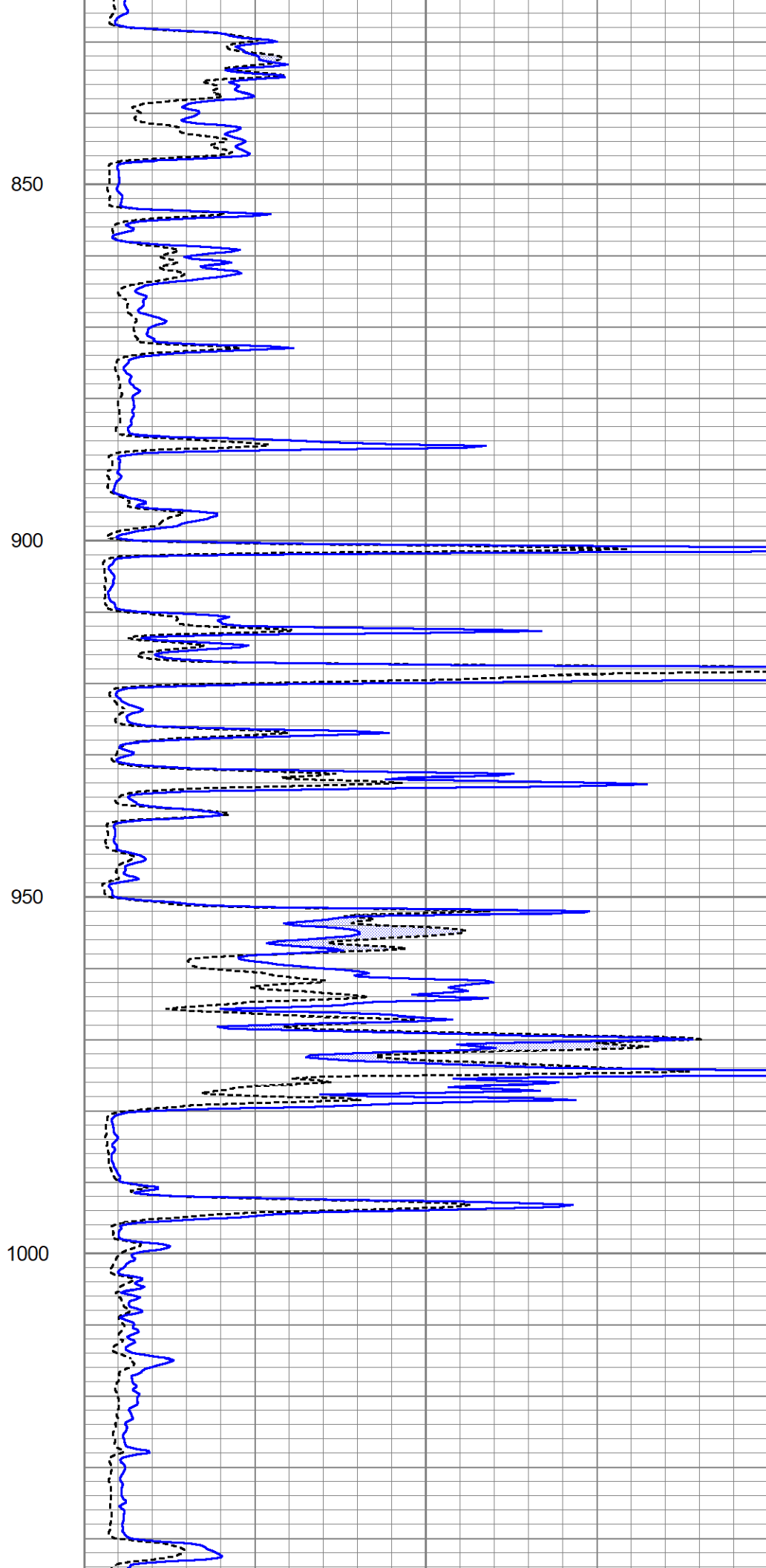
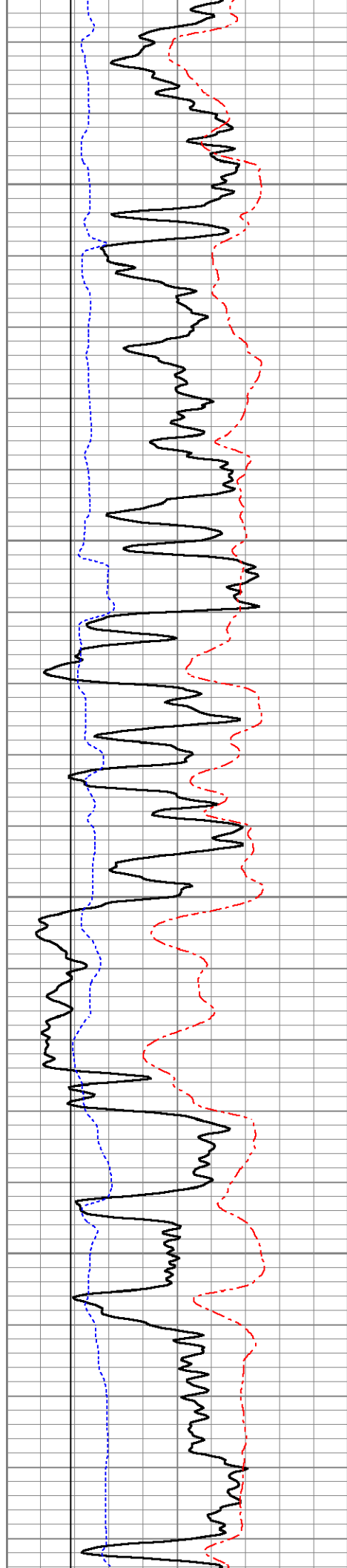
650

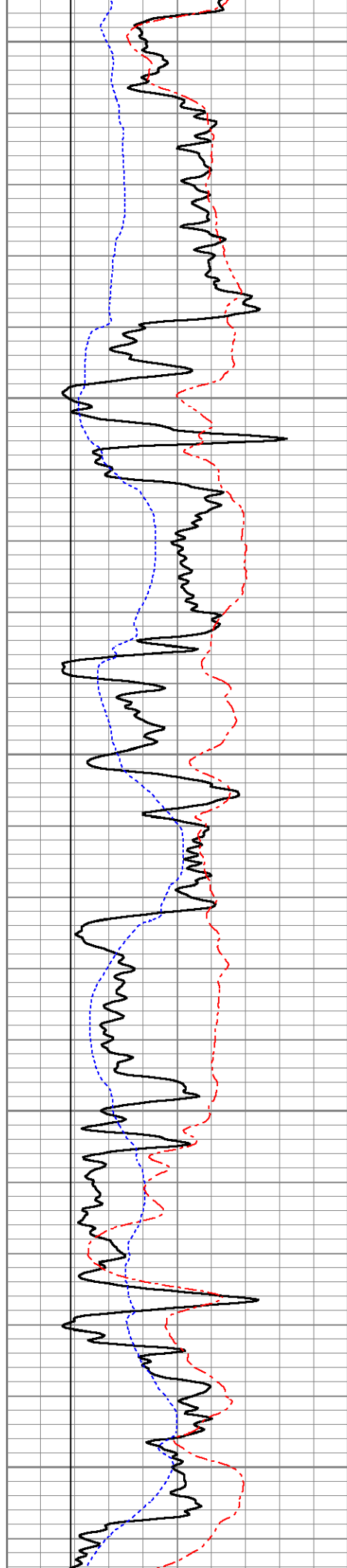
700

750

800







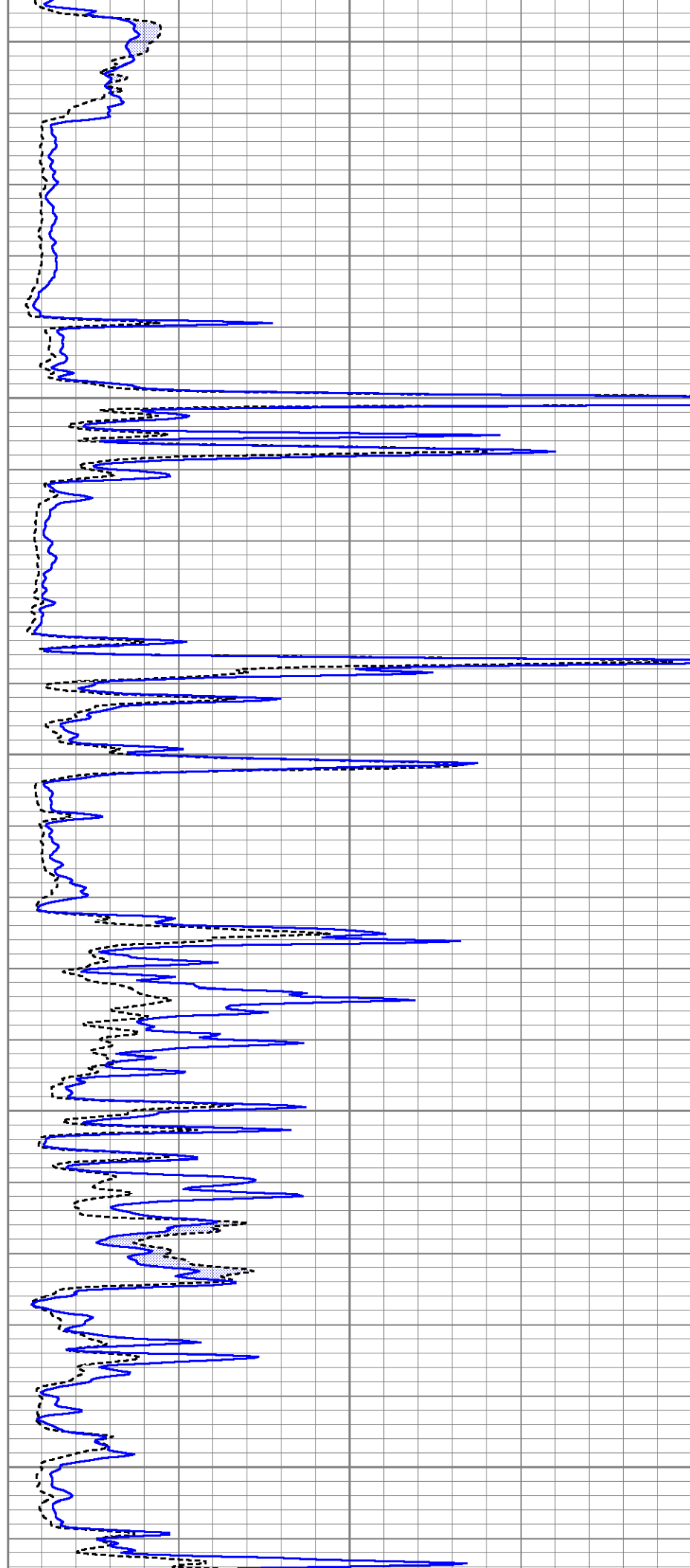
1050

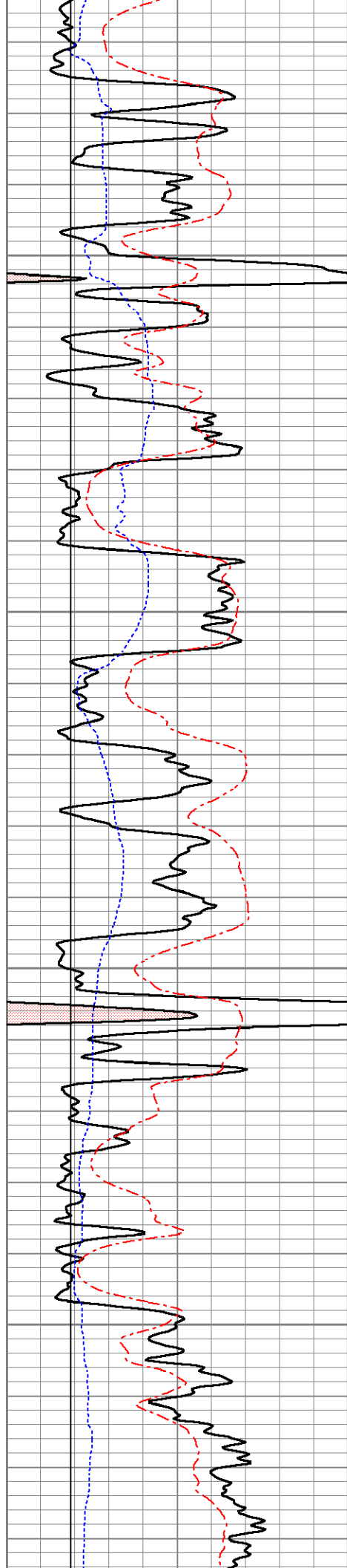
1100

1150

1200

1250



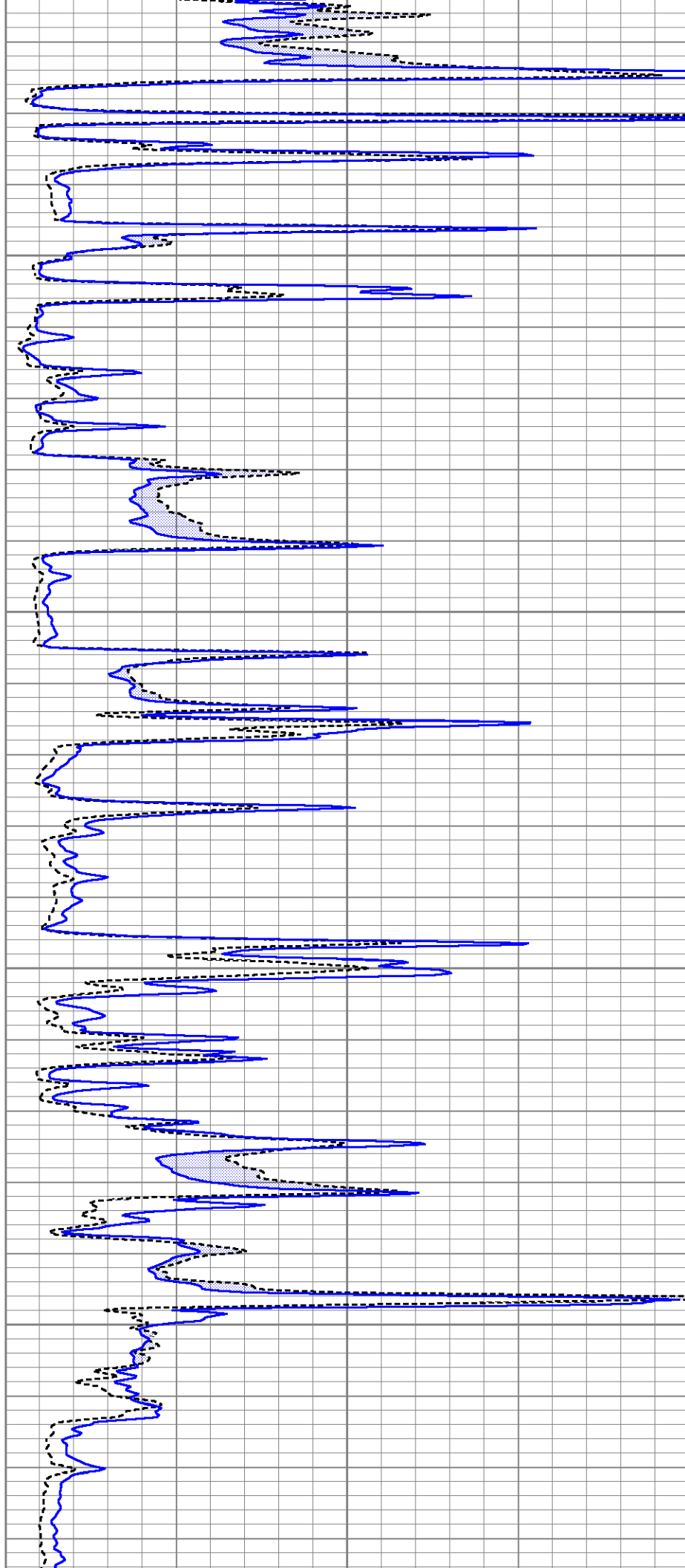


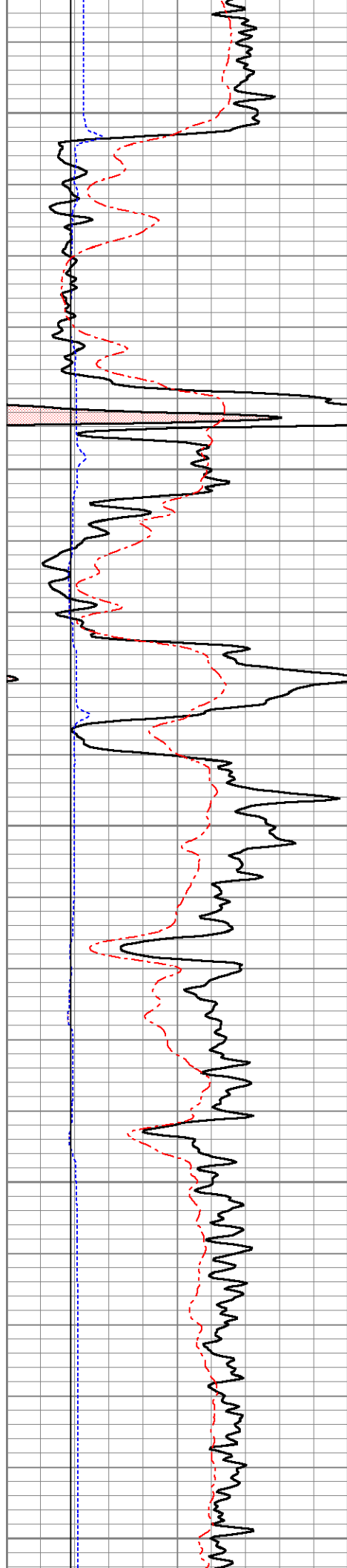
1300

1350

1400

1450





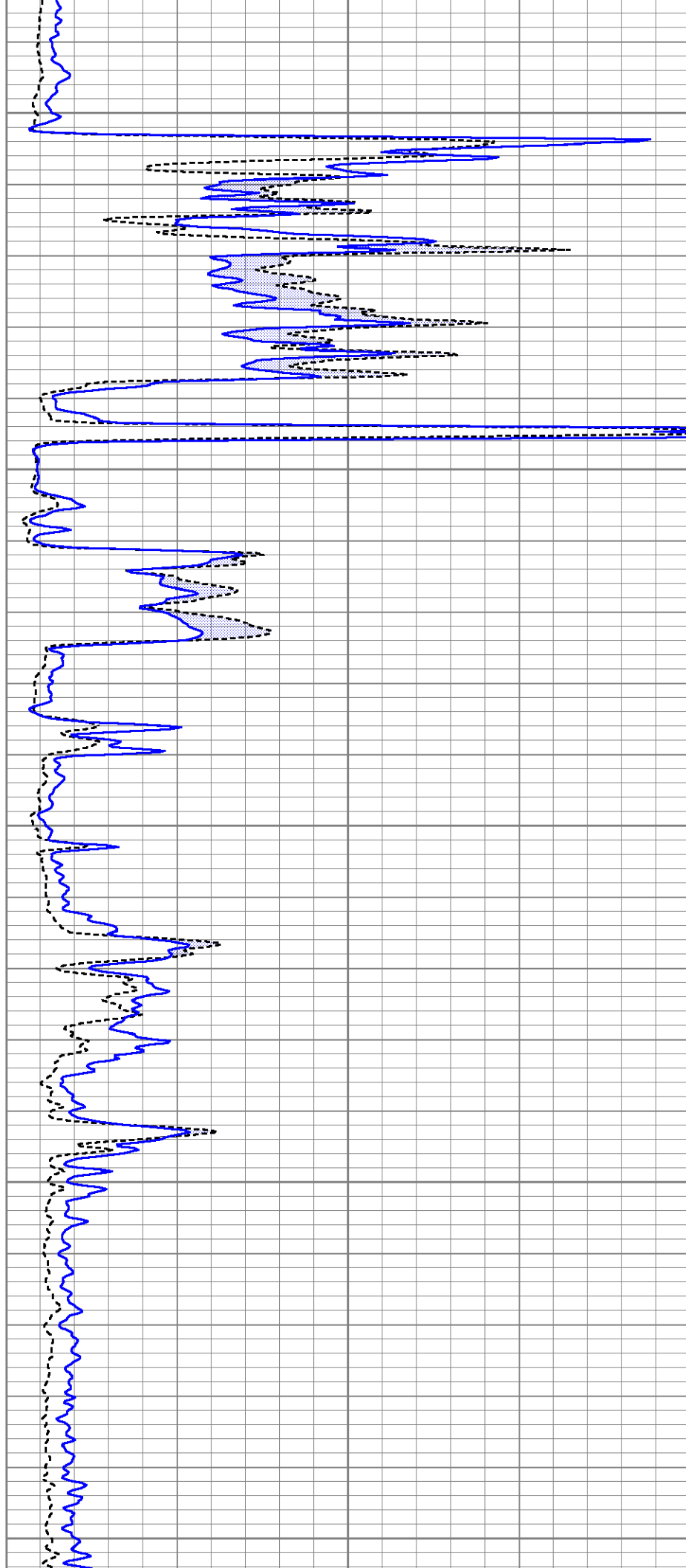
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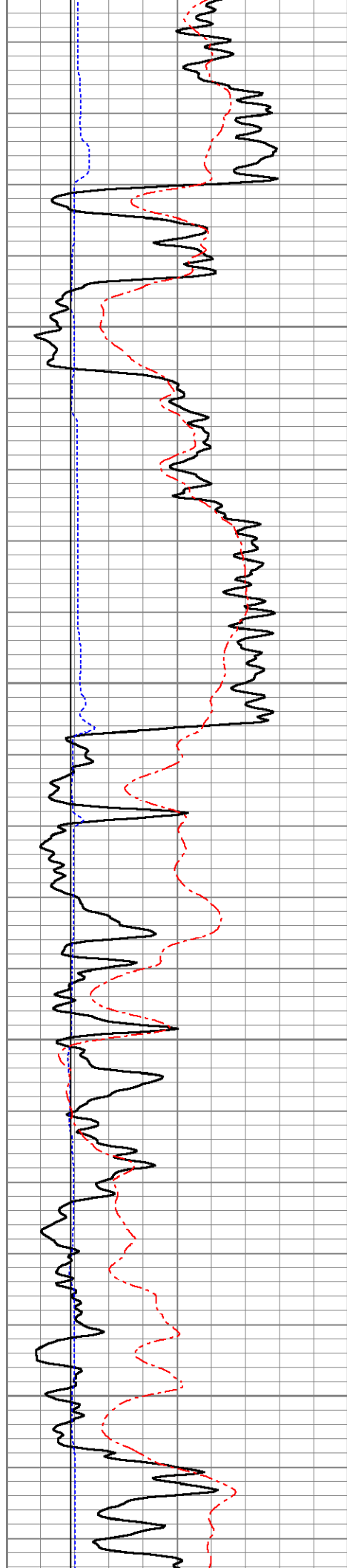
1550

1600

1650

1700



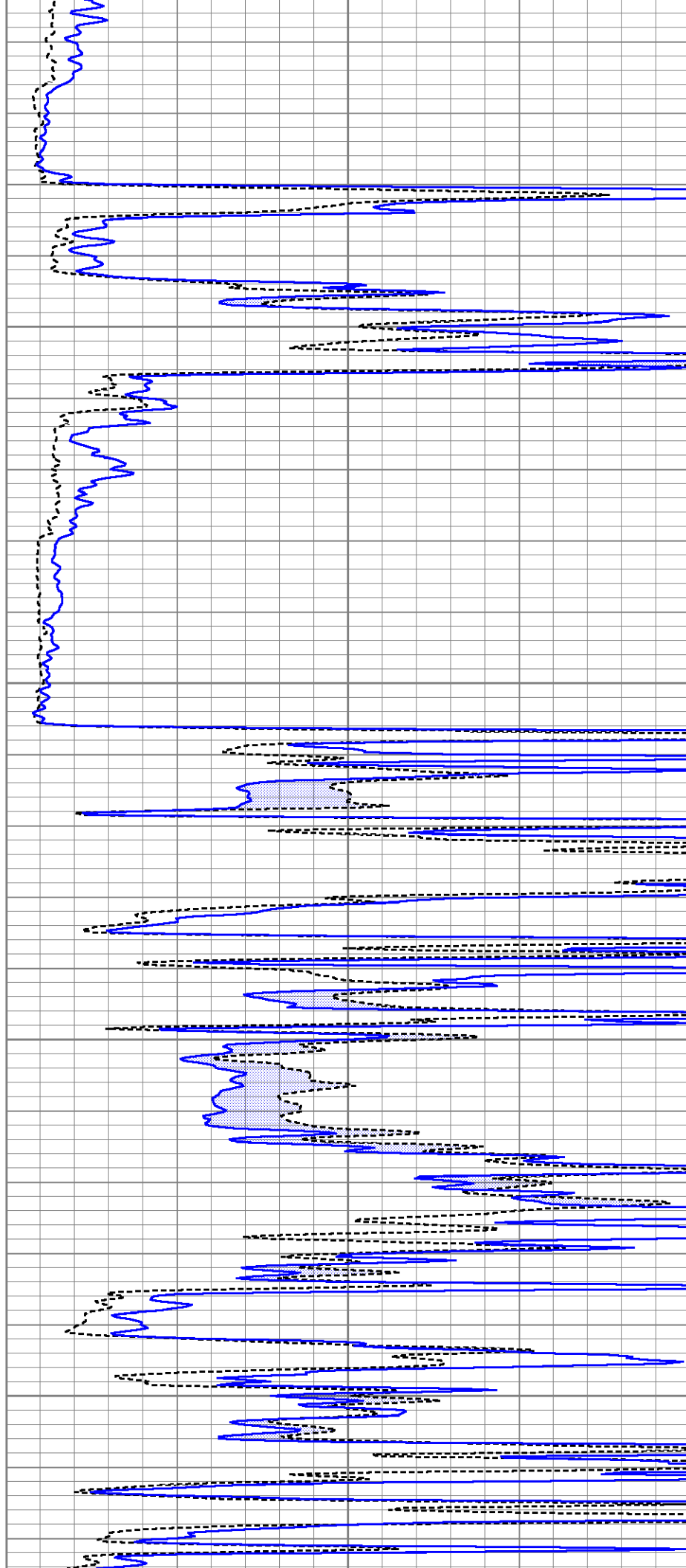


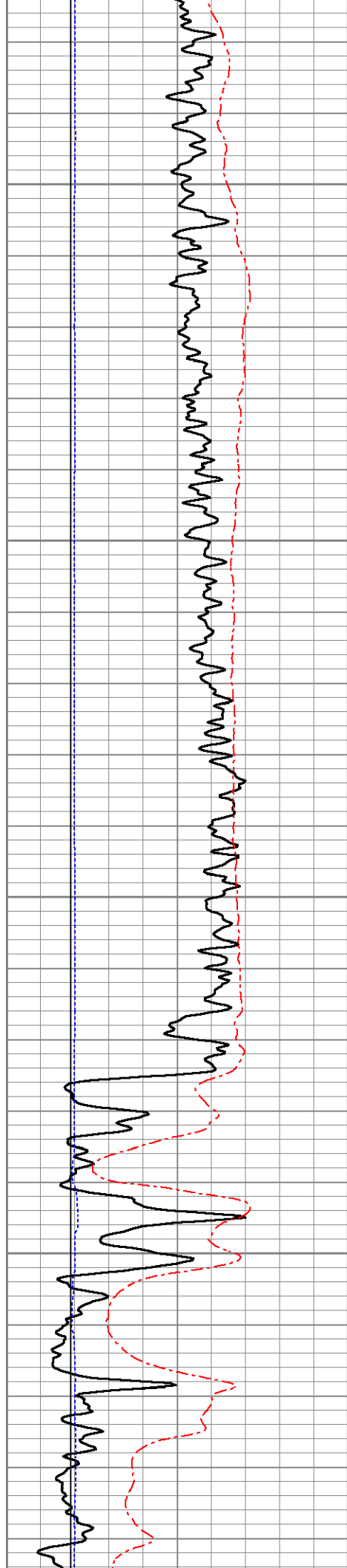
1750

1800

1850

1900



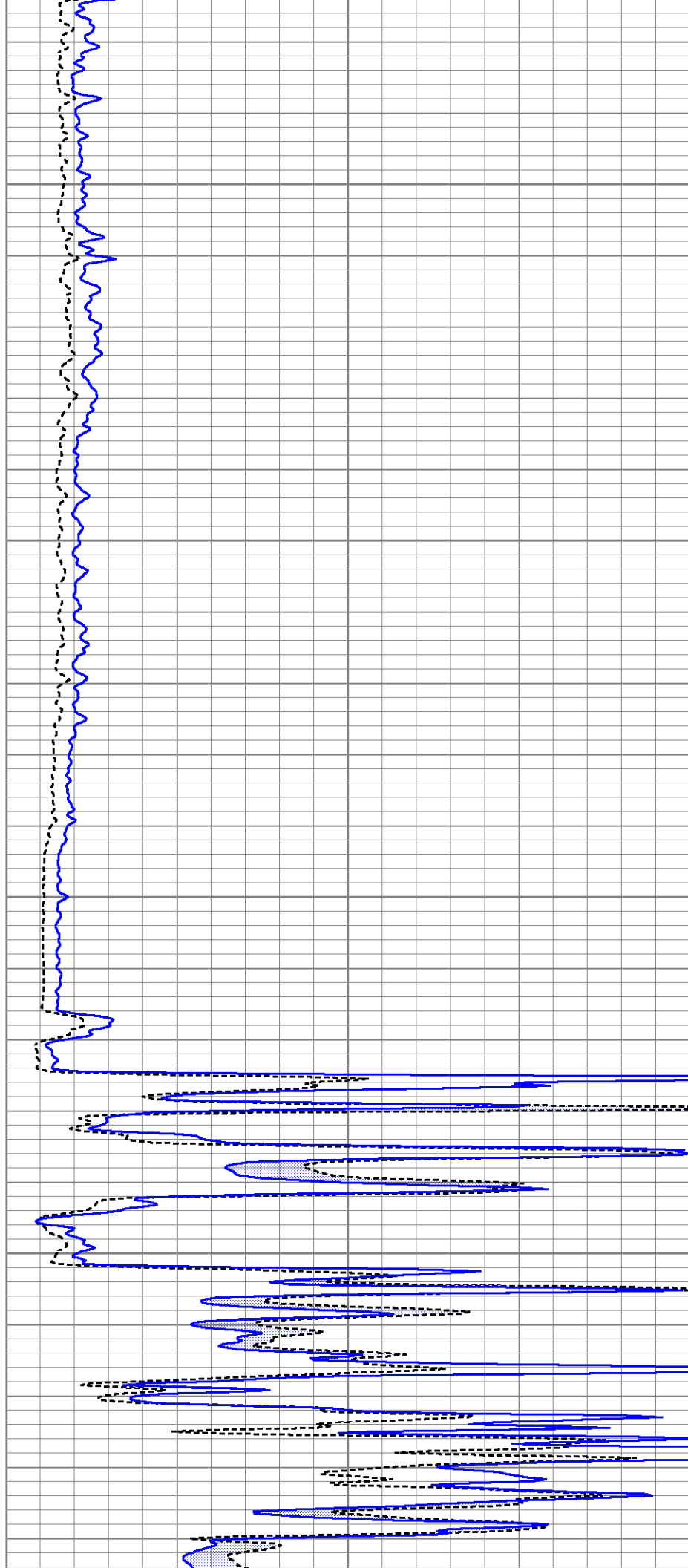


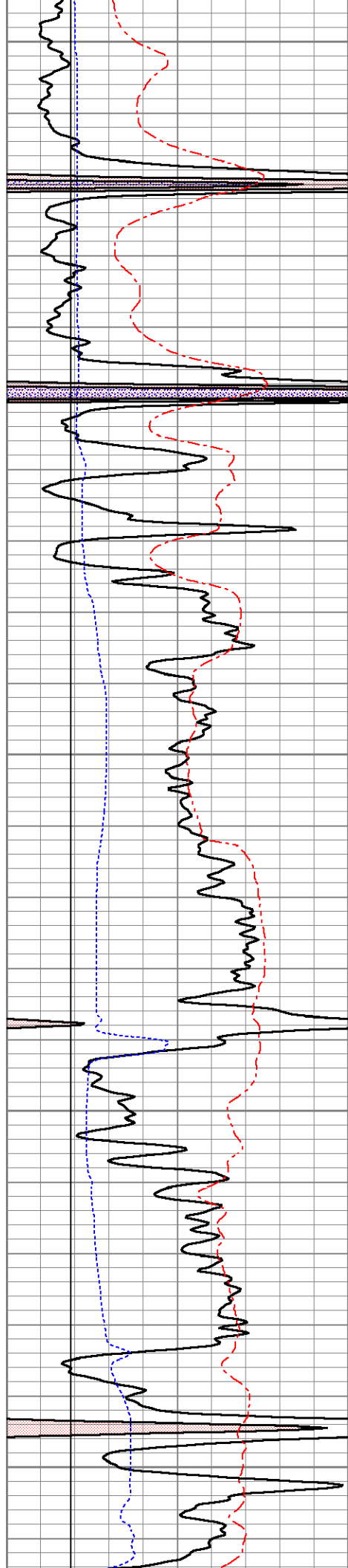
1950

2000

2050

2100





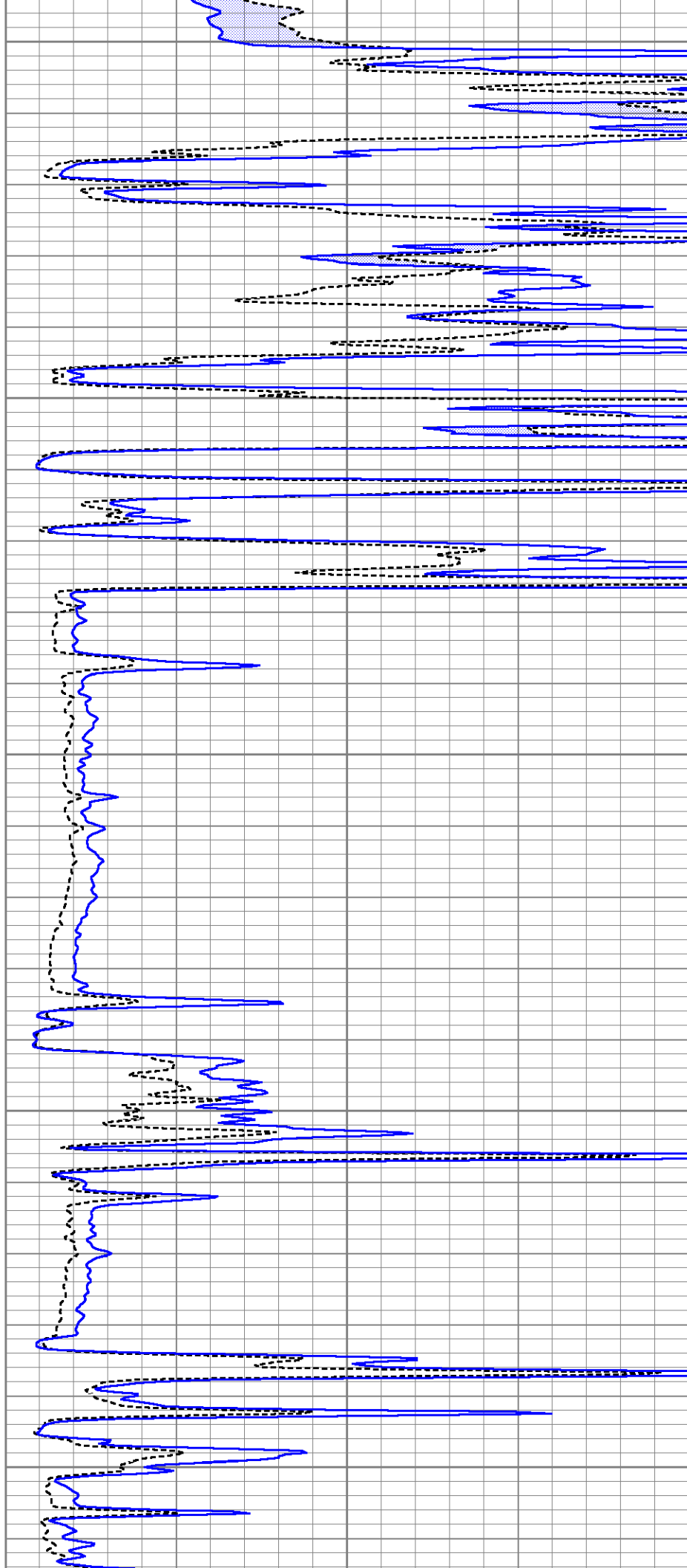
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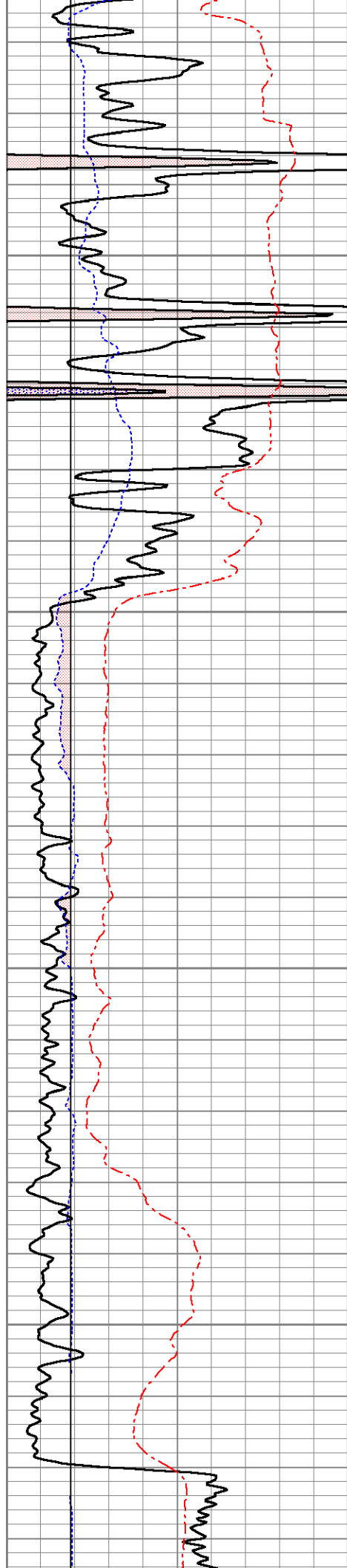
2200

2250

2300

2350



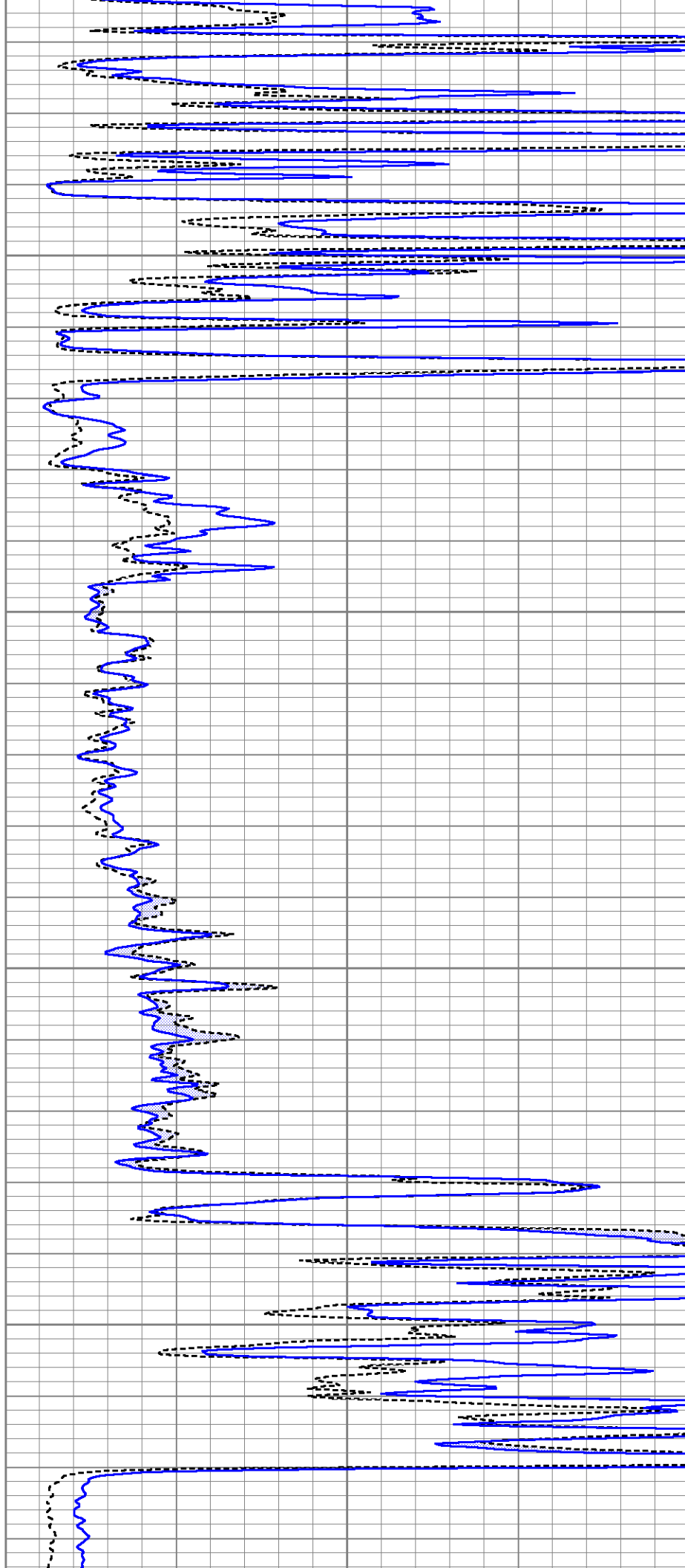


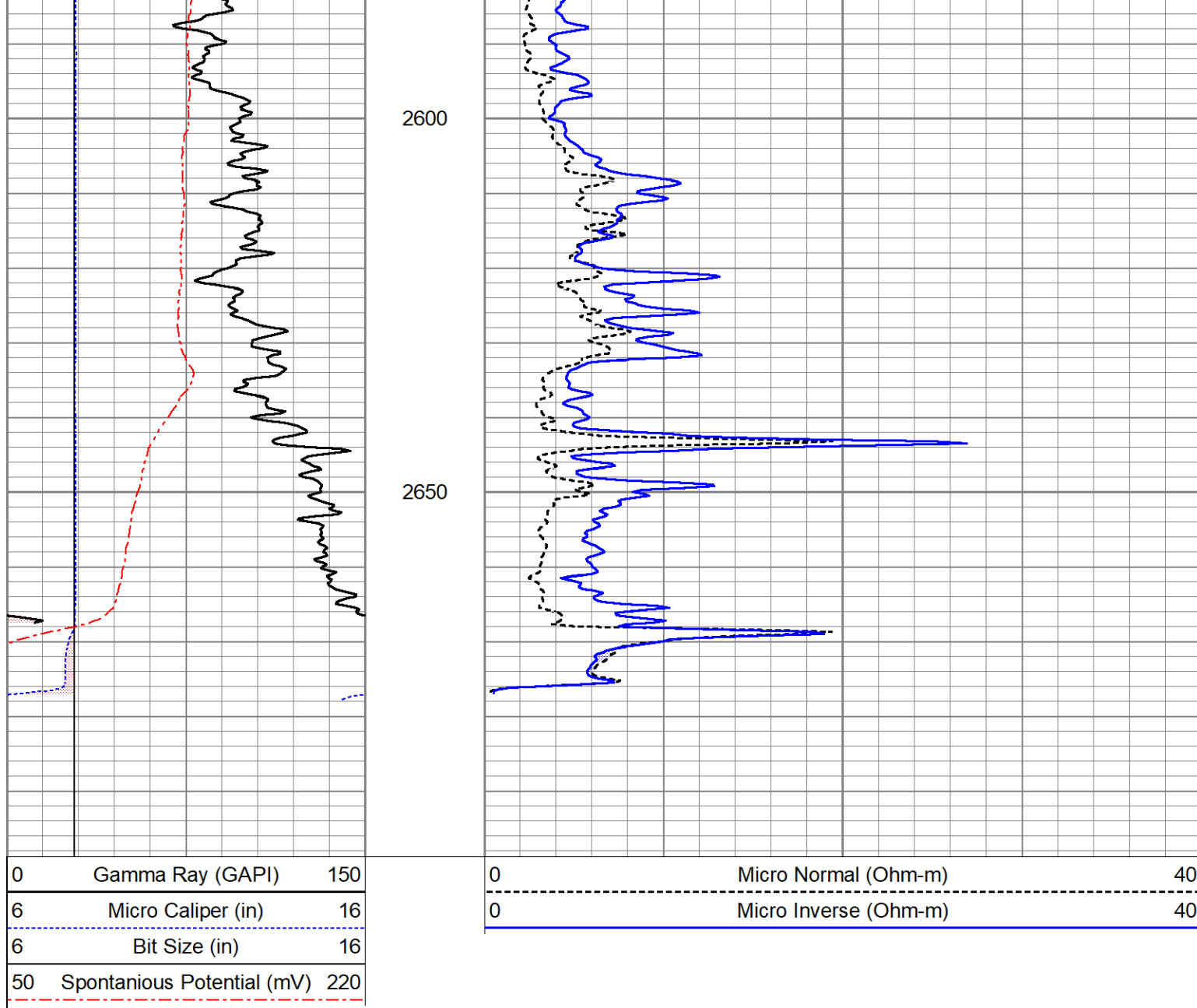
2400

2450

2500

2550





Calibration Report									
Database File	ow2-9178 c g drilling.db								
Dataset Pathname	pass3.11								
Dataset Creation	Sun Mar 12 07:20:44 2023								
Dual Induction Calibration Report									
Serial-Model:					080402 (PINK TOOL)-G				
Surface Cal Performed:					Sat Jul 23 16:34:31 2022				
Downhole Cal Performed:					Tue Nov 17 10:50:14 2020				
After Survey Verification Performed:					Tue Nov 17 10:50:14 2020				
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.007	0.642	V	-1.000	380.000	mmho/m	600.123	-5.154	
Medium	0.010	0.728	V	-14.000	420.000	mmho/m	603.836	-19.849	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768	
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354	

Downhole Calibration								
Readings			References				Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-2.869	354.028	mmho/m	-0.044	350.323	mmho/m	0.982	2.773
Medium	-3.741	414.629	mmho/m	-0.037	400.340	mmho/m	0.957	3.543
LL3		9.030	V		2200.000	Ohm-m		
		0.000	V		25.000	Ohm-m		
		-5.250	V		2500.000	mmho-m		

After Survey Verification								
Readings			Targets				Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-2.869	354.028	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-3.741	414.629	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		2.000	Ohm-m		
		0.000	Ohm-m		500.000	Ohm-m		
		0.000	mmho-m		1.000	mmho-m		

Microlog Calibration Report

Serial-Model: Performed:	110861-Osage Wed Oct 5 13:22:55 2022
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Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0028	0.0887	V	0.0000	10.0000	Ohm-m	109.2780	0.3082
Inverse	-0.0060	0.1128	V	0.0000	10.0000	Ohm-m	84.1775	0.5012
Caliper	0.3482	9.1366	V	5.9000	20.5000	in	1.6613	5.3215

Inclinometer Calibration Report

Performed:	Thu Oct 8 13:57:38 2020						
	Low Read.	High Read.		Low Ref.	High Ref.		
X Accelerometer	205.00	1843.00		-1.00	1.00	gee	
Y Accelerometer	205.00	1843.00		-1.00	1.00	gee	
Z Accelerometer						gee	

Gamma Ray Calibration Report

Serial Number:	Refurb01	
Tool Model:	OSAGE_01	
Performed:	Mon Jan 18 09:02:16 2021	
Calibrator Value:	150.0	GAPI
Background Reading:	125.0	cps
Calibrator Reading:	875.0	cps
Sensitivity:	0.2000	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
						

ACCY	31.04		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
ACCX	31.04					
GR	29.86					
FRAMES	28.54					
SSTAT	28.54					
PSTAT	28.54					
ASTAT	28.54					
			MICRO_DIG-Osage (110861) Digital Microlog	7.21	5.13	137.00
MI	23.00					
MN	23.00					
MCAL	22.00					
ASTAT2	21.33					
			DIL-G (080402 (PINK TOOL)) Gearhart	21.33	4.00	290.00
SP	10.92					
CILD	10.92					
CILM	7.00					
RLL3	1.65					
TR_Mon	0.00					
Dataset: ow2-9178 c g drilling.db: field/well/run1/pass3.11						
Total length: 32.23 ft						
Total weight: 480.00 lb						
O.D.: 5.13 in						