



DUAL INDUCTION LOG

Company Taos Resources Operating Company LLC									
Well Reed #34-1									
Field Maddix North									
County Cowley									
State Kansas									
Location: API # : 15 035 24672									
475' FNL & 2312' FEL									
SEC 34 TWP 32S RGE 5E									
Permanent Datum Ground Level Elevation 1294'									
Log Measured From KB 11' AGL									
Drilling Measured From KB									
Other Services									
CDNL									
BHC									
ML									
Elevation									
K.B. 1305'									
D.F. 1304'									
G.L. 1294'									
Date	6-2-17								
Run Number	One								
Depth Driller	3567'								
Depth Logger	3570'								
Bottom Logged Interval	3568'								
Top Log Interval	350'								
Casing Driller	8 5/8" @ 240'								
Casing Logger	240'								
Bit Size	7 7/8"								
Type Fluid in Hole	Chemical								
Density / Viscosity	9.7/44								
pH / Fluid Loss	8.5/10.4								
Source of Sample	Pit								
Rm @ Meas. Temp	1.20@86degf								
Rmf @ Meas. Temp	0.96@86degf								
Rmc @ Meas. Temp	1.54@86degf								
Source of Rmf / Rmc	Calculated								
Rm @ BHT	0.93@111degf								
Time Circulation Stopped	9:30 p.m.								
Time Logger on Bottom	11:15 p.m.								
Maximum Recorded Temperature	111degf								
Equipment Number	T-127								
Location	Hays, KS								
Recorded By	C.Patterson								
Witnessed By	Mr. Mike Pressnall Mr. Ray Dorothy								

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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

East of Winfield(Main St. and 160 Hwy) 6.5 mi. to 151st rd., 1 south 172nd Rd., 1/2 east, north into

Thank you for using Gemini Wireline
785-625-1182



MAIN PASS

Database File trocreed#34-1oh.db
Dataset Pathname pass2.1
Presentation Format kdillinn
Dataset Creation Sat Jun 03 01:09:56 2017
Charted by Depth in Feet scaled 1:600

0 GR (GAPI) 150

1000 CILD (mmho/m) 0

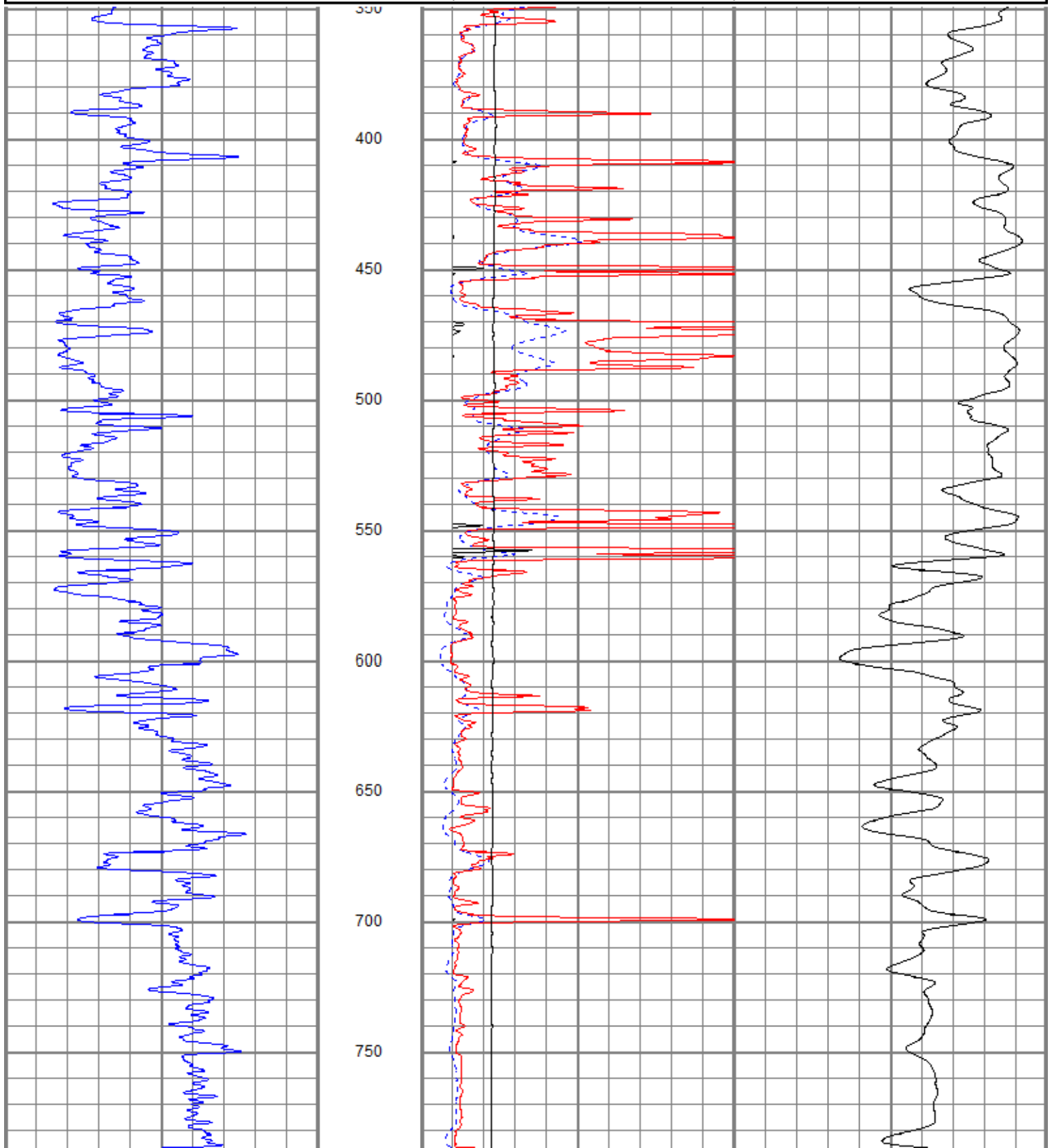
10000 LTEN (lb) 0

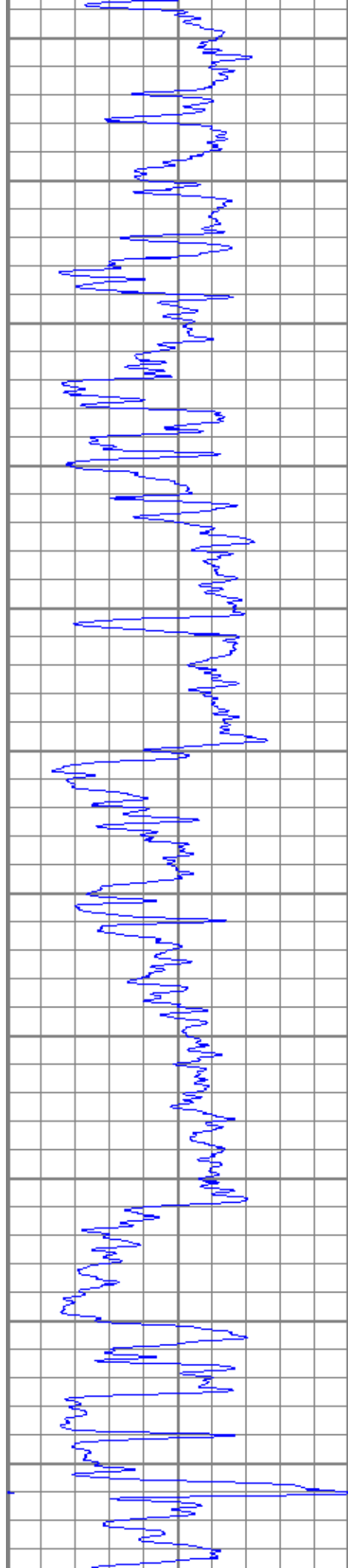
0 RILD (Ohm-m) 50

0 RLL3 (Ohm-m) 50

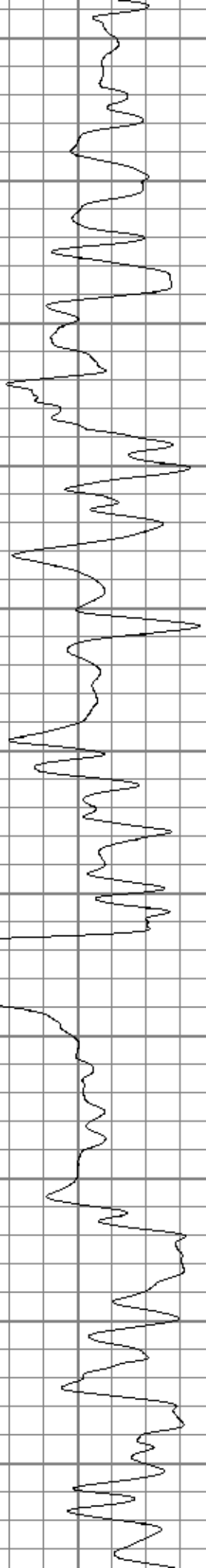
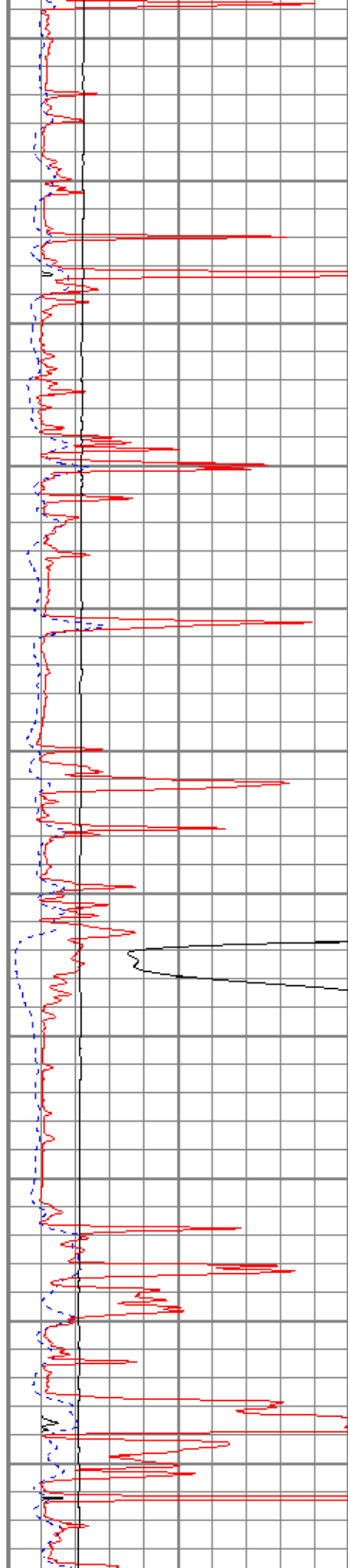
50 RILD x 10 (Ohm-m) 500

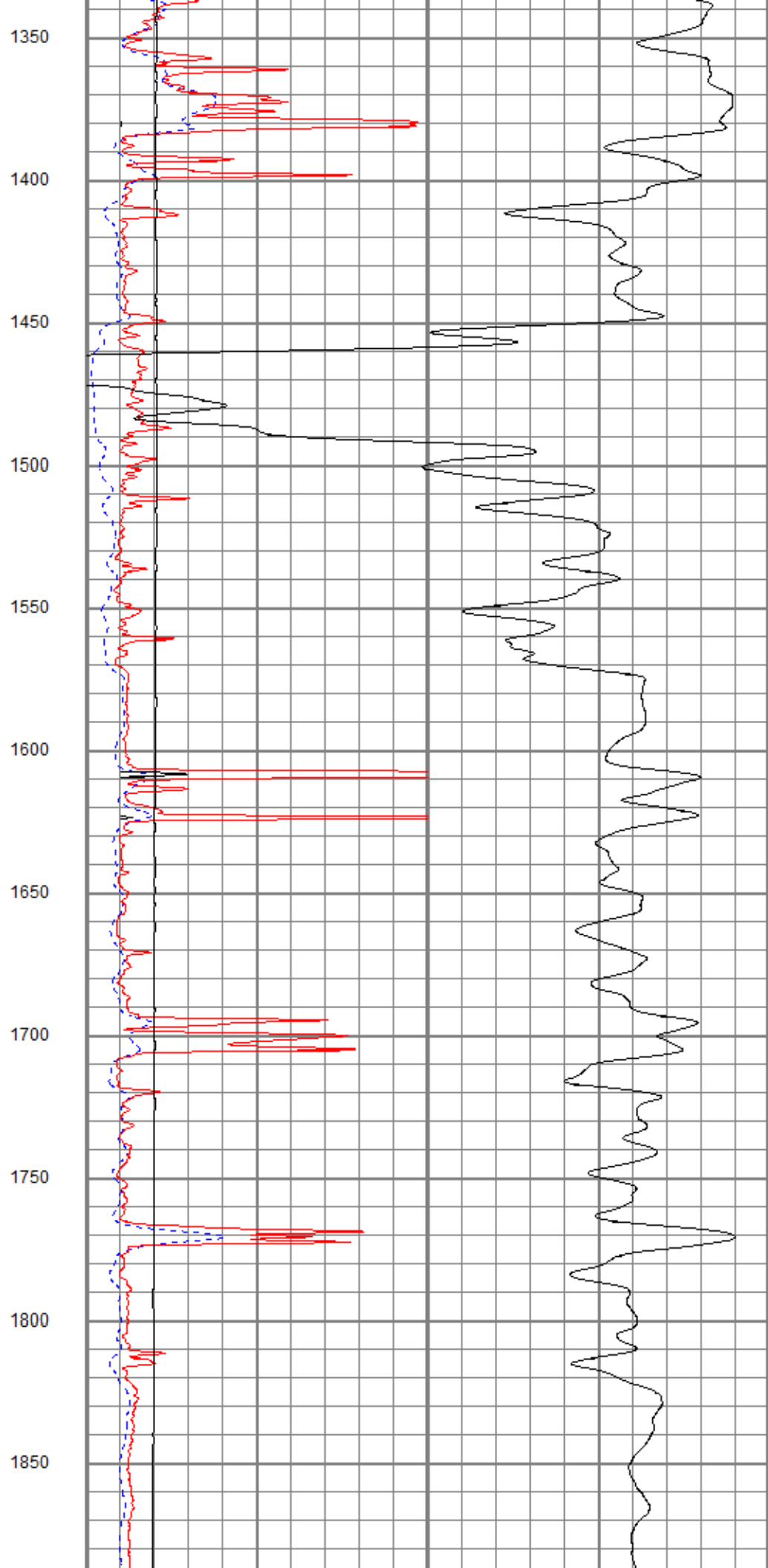
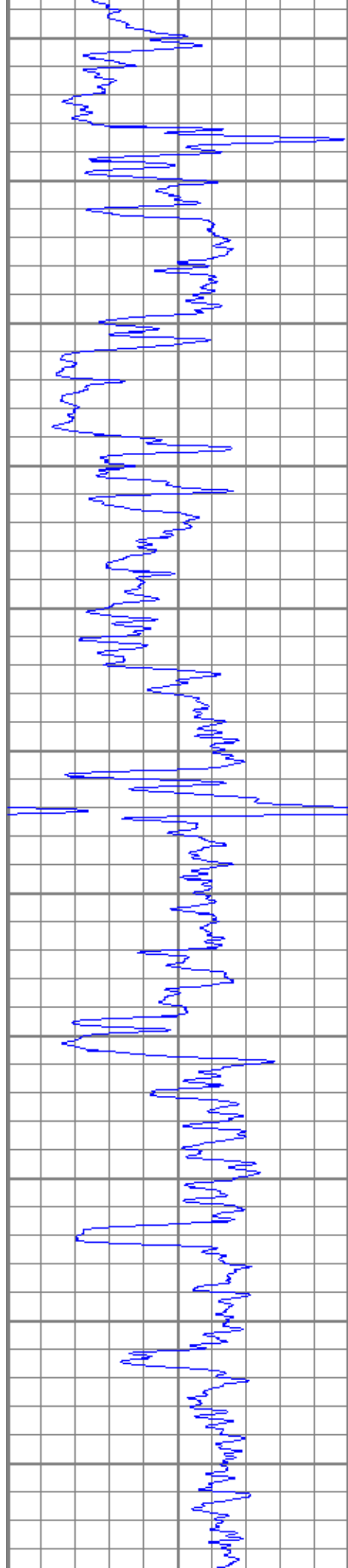
50 RLL3 x 10 (Ohm-m) 500

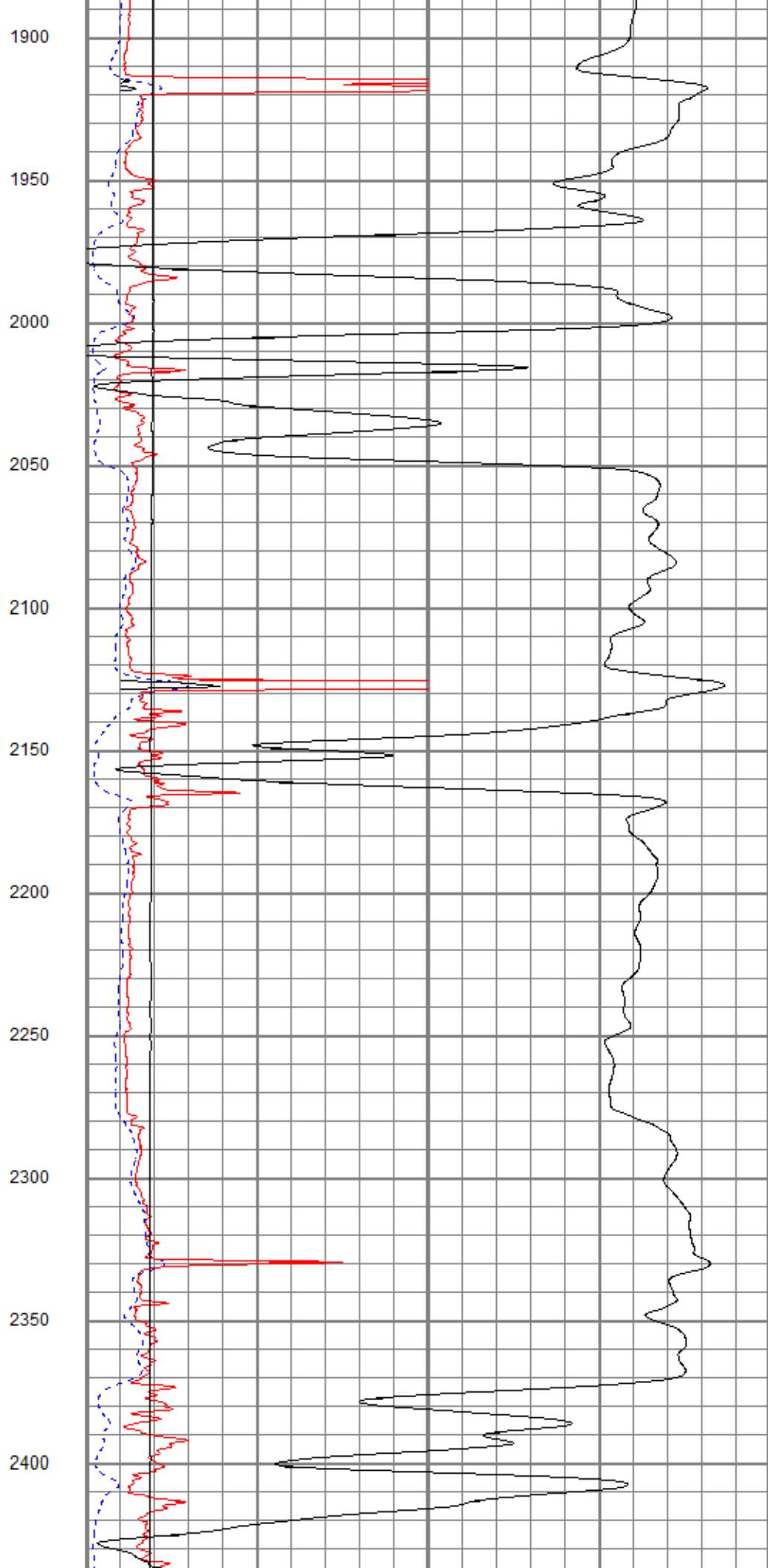
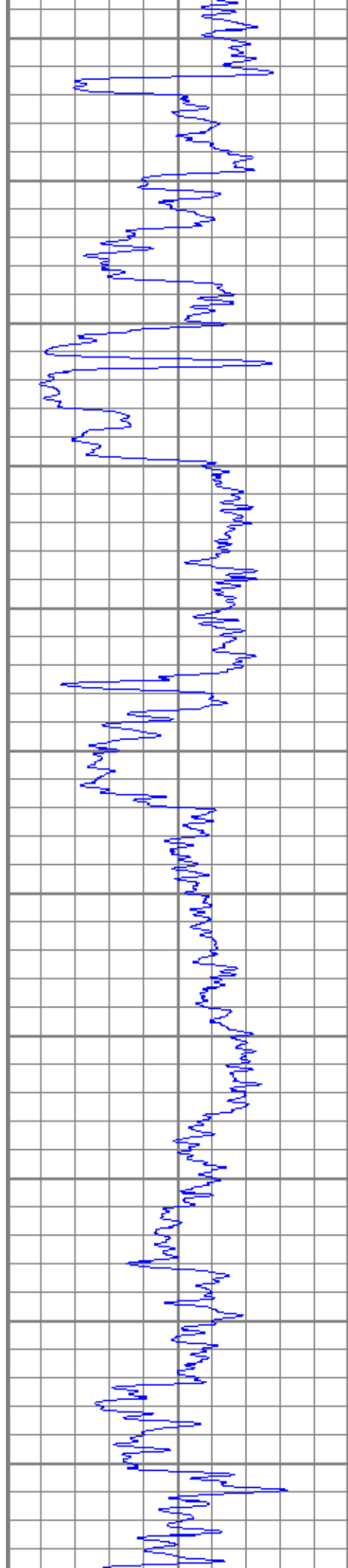


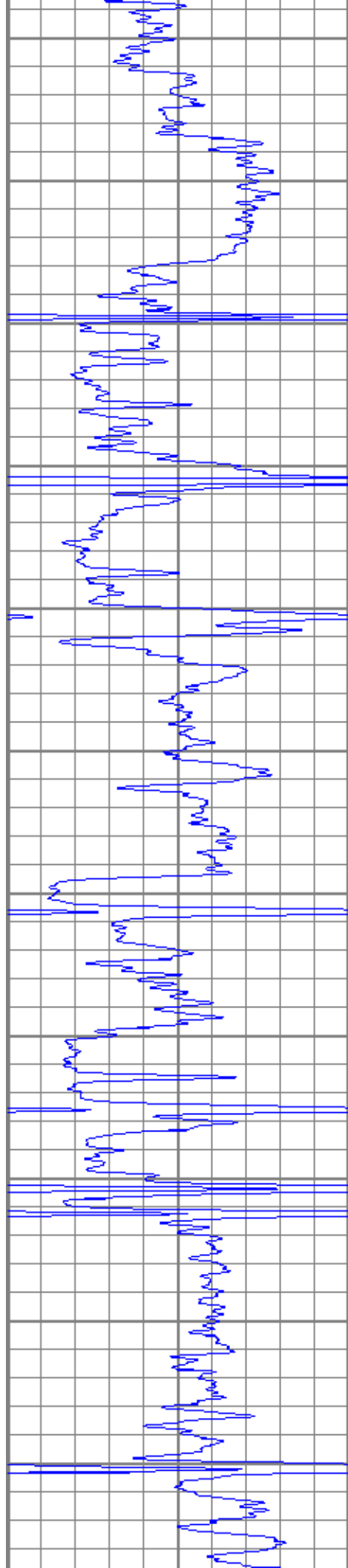


800
850
900
950
1000
1050
1100
1150
1200
1250
1300









2450

2500

2550

2600

2650

2700

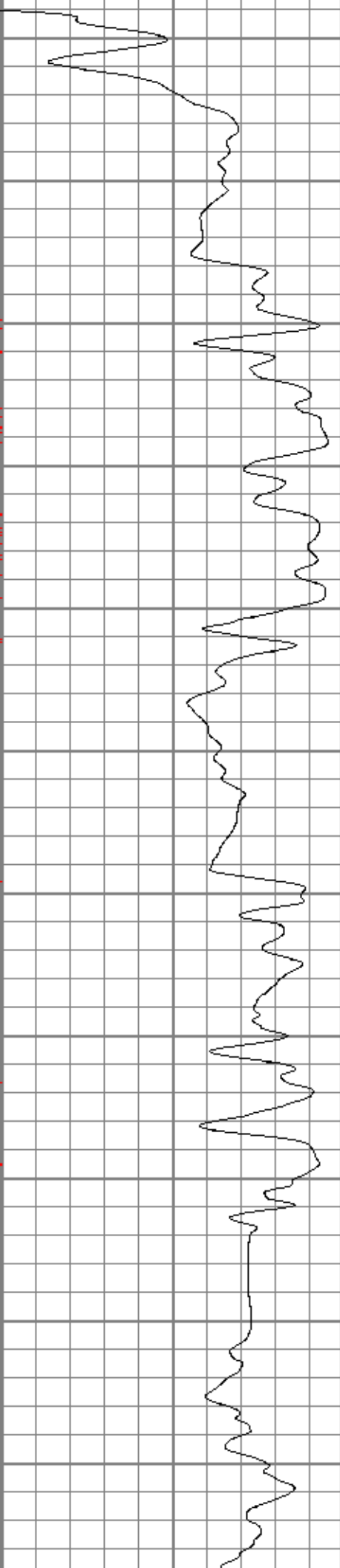
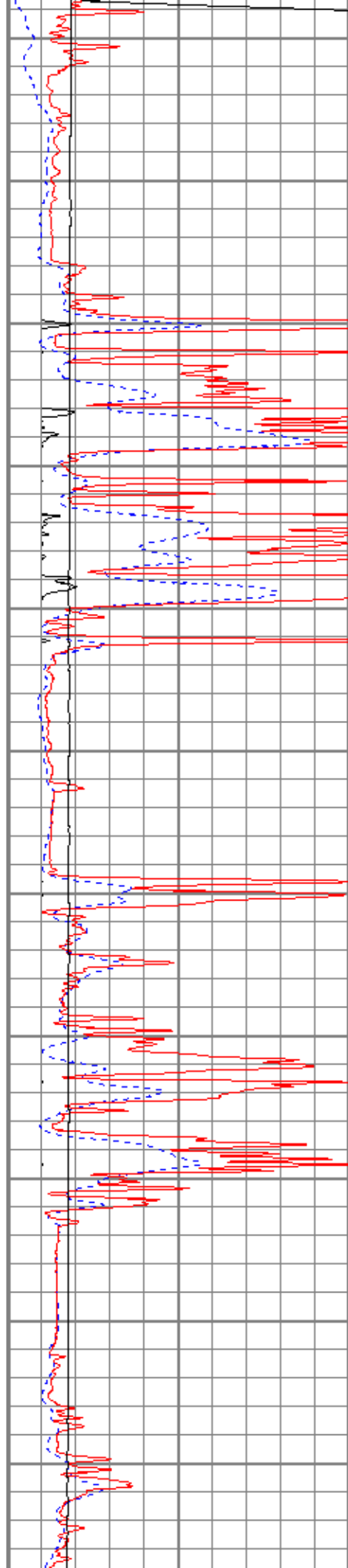
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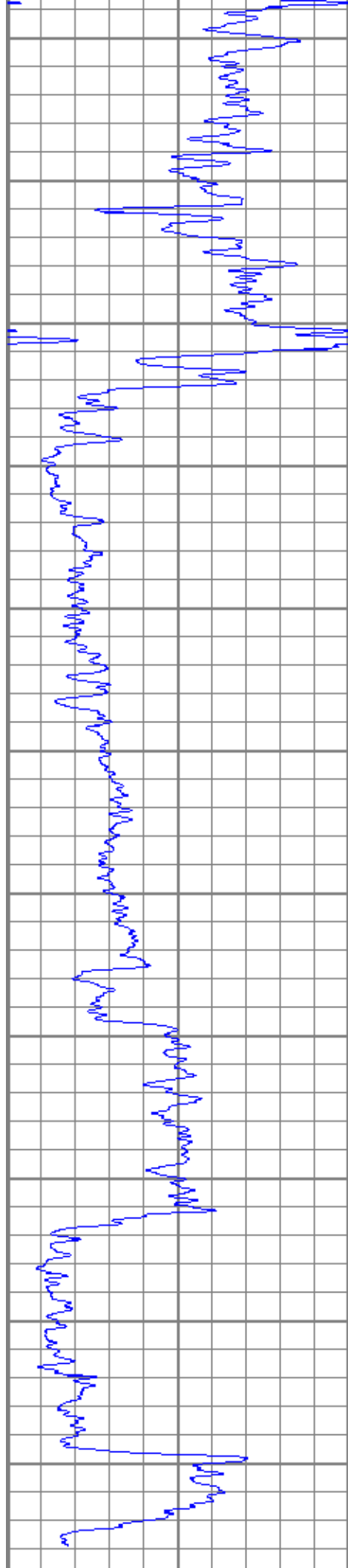
2800

2850

2900

2950





3000

3050

3100

3150

3200

3250

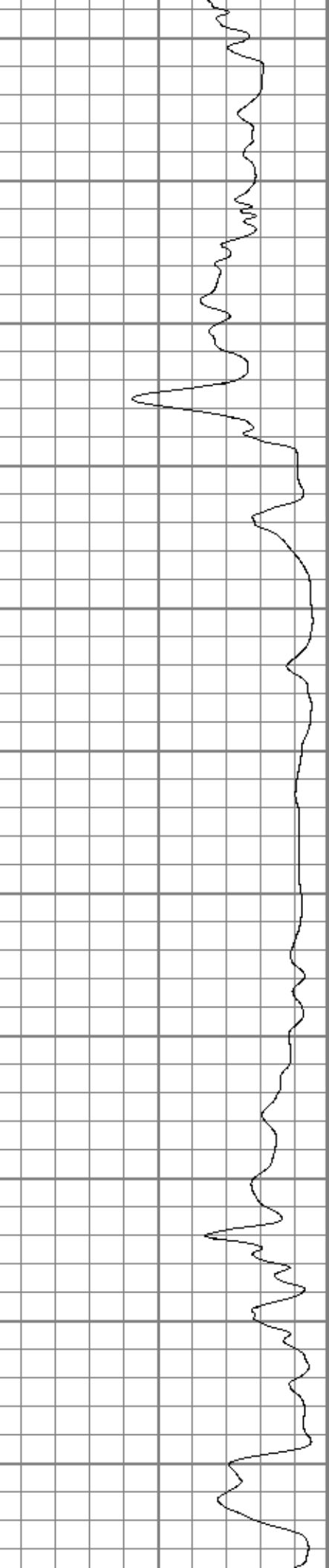
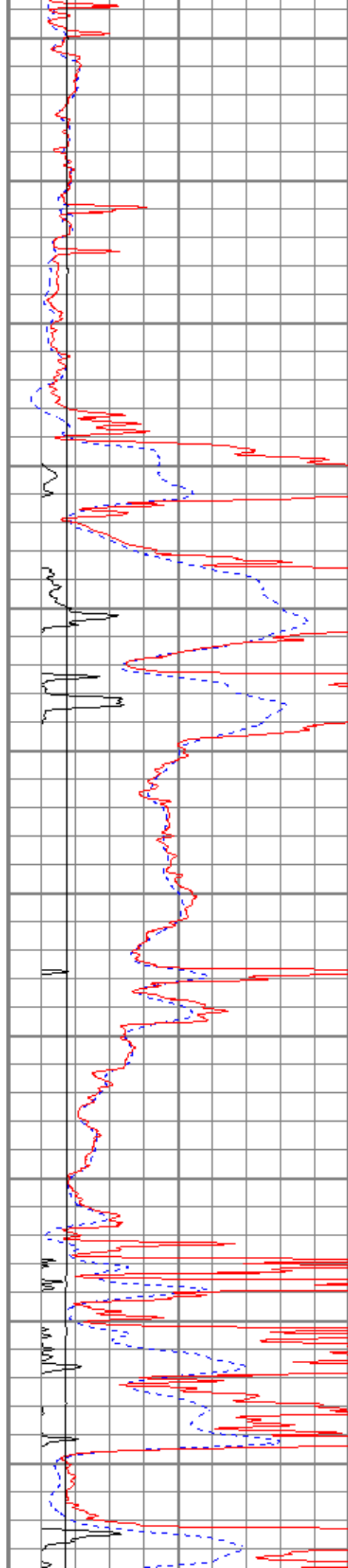
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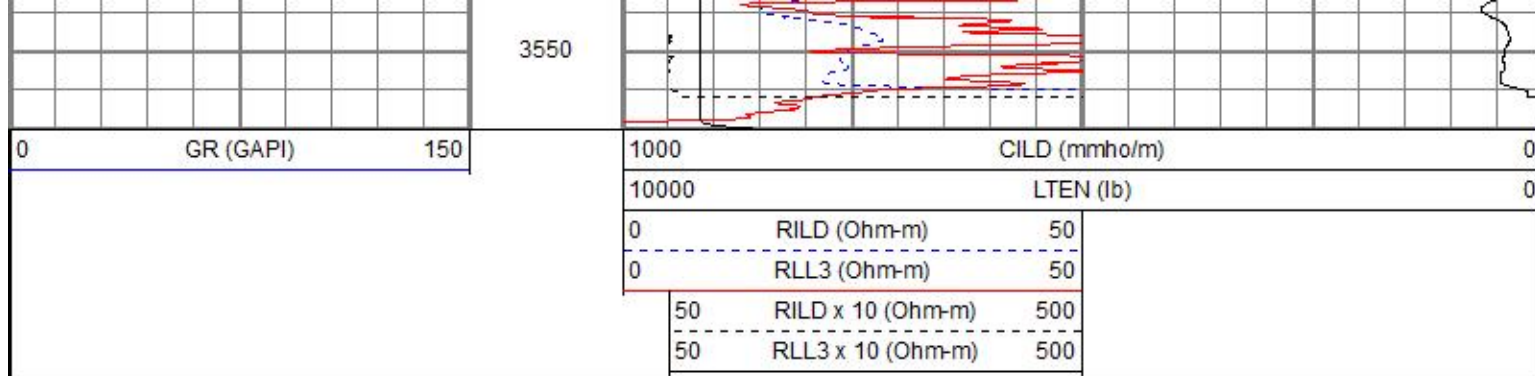
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3400

3450

3500

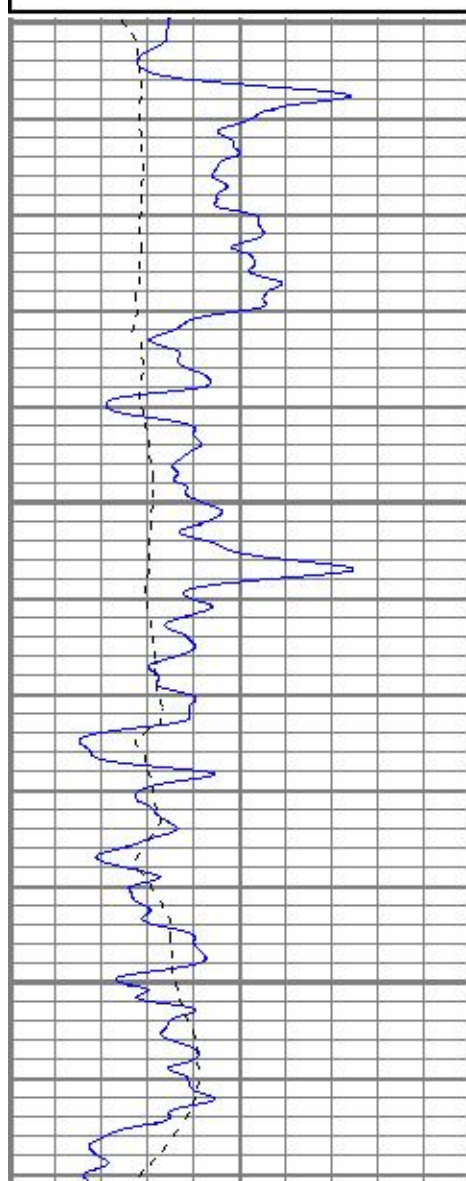




MAIN PASS

Database File: trocreed#34-1oh.db
 Dataset Pathname: pass2.1
 Presentation Format: kdil
 Dataset Creation: Sat Jun 03 01:09:56 2017
 Charted by: Depth in Feet scaled 1:240

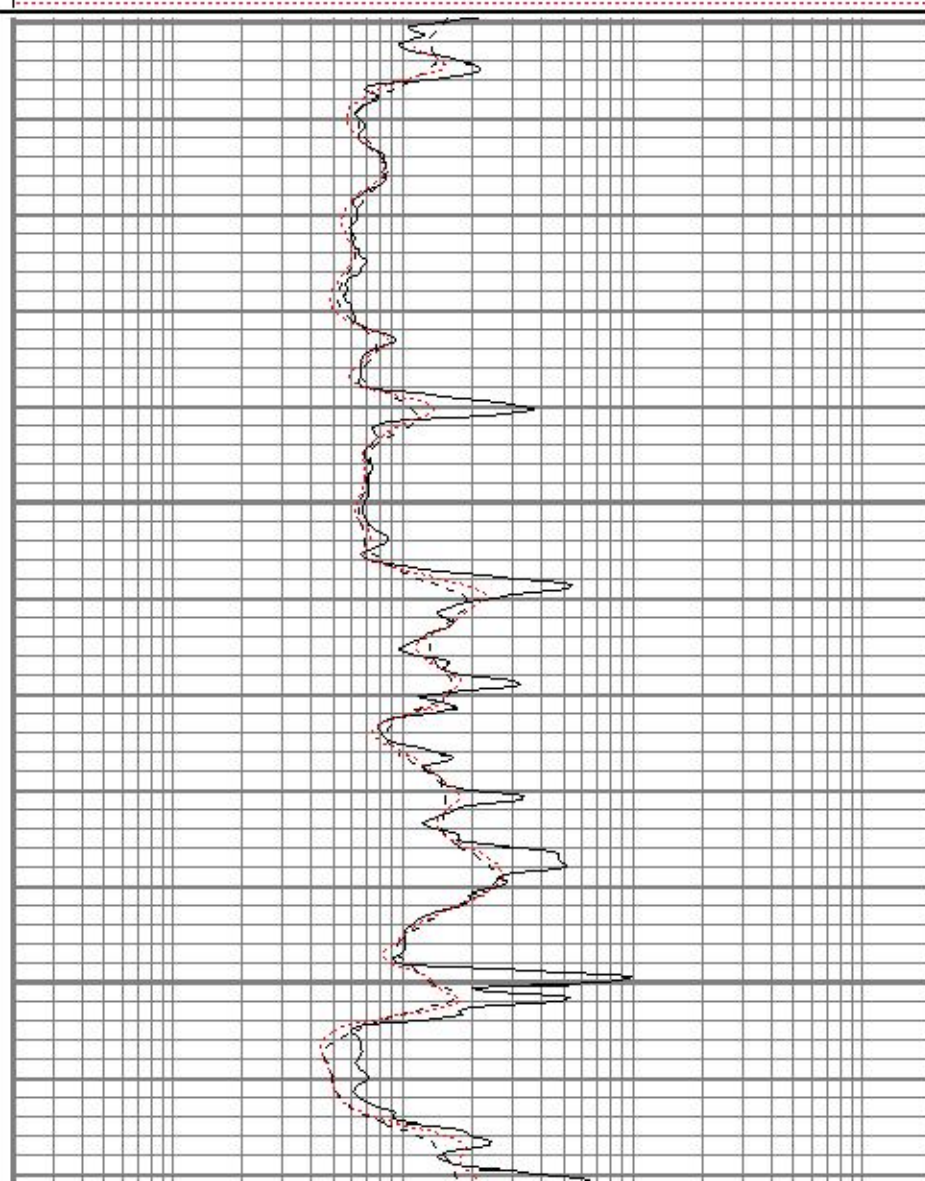
0	GR (GAPI)	150	0.2	RILD (Ohm-m)	2000
-100	SP (mV)	100	0.2	RLL3 (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000

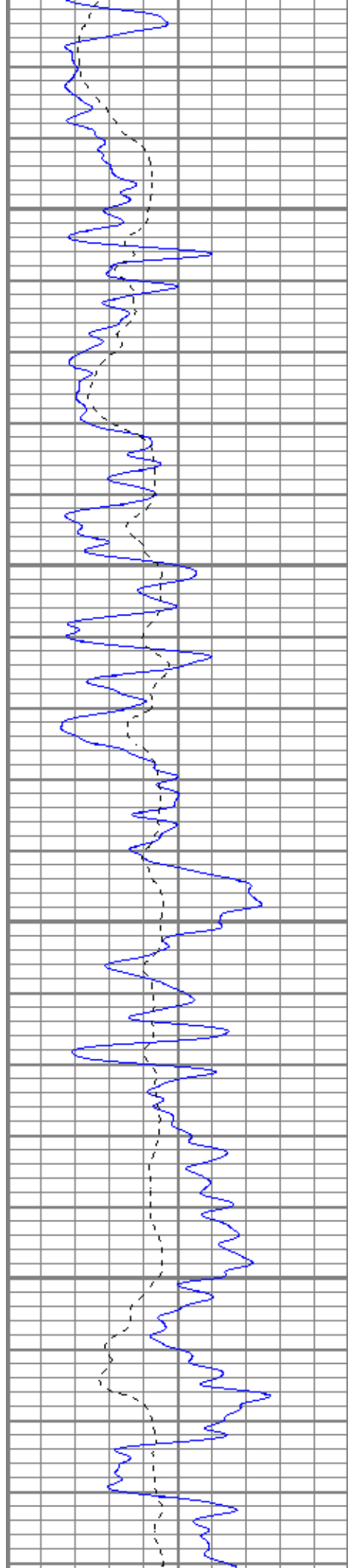


350

400

450



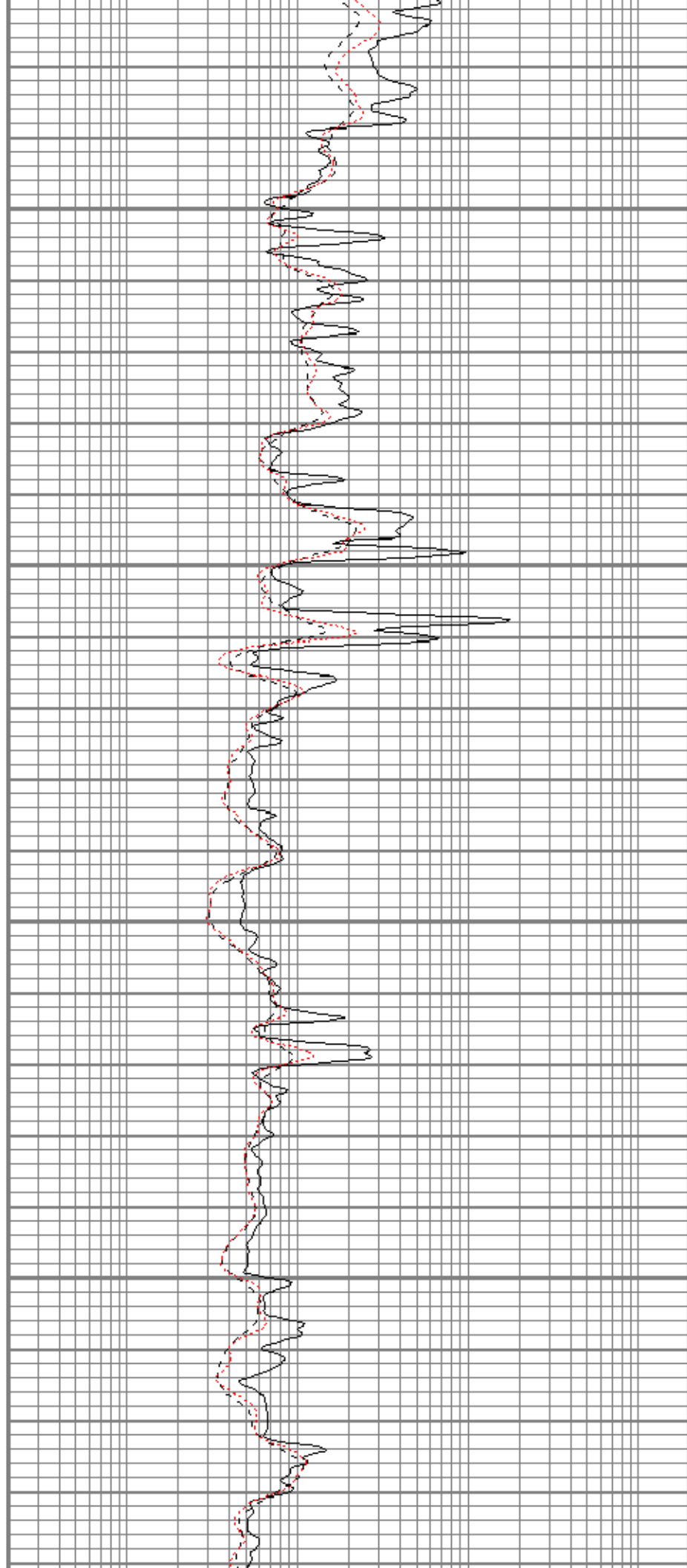


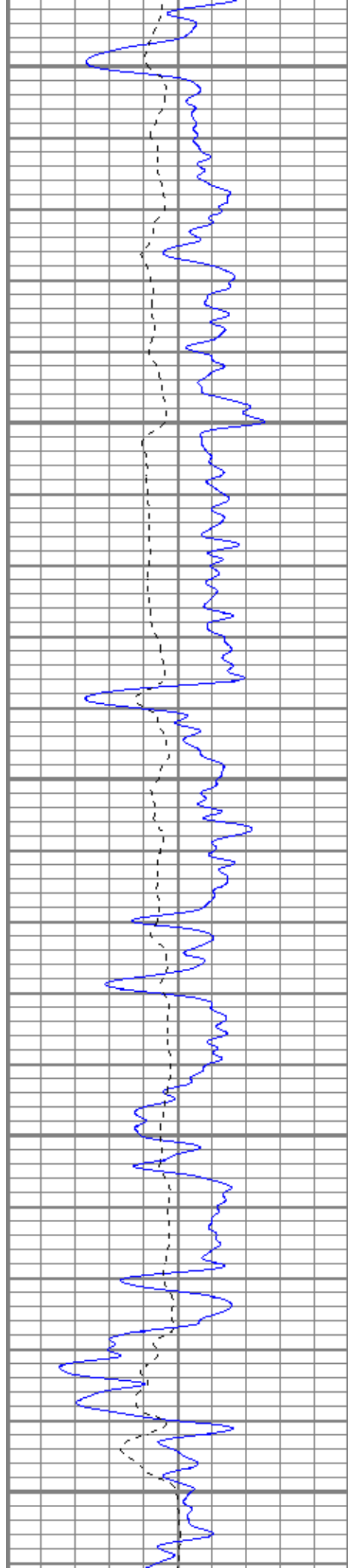
500

550

600

650





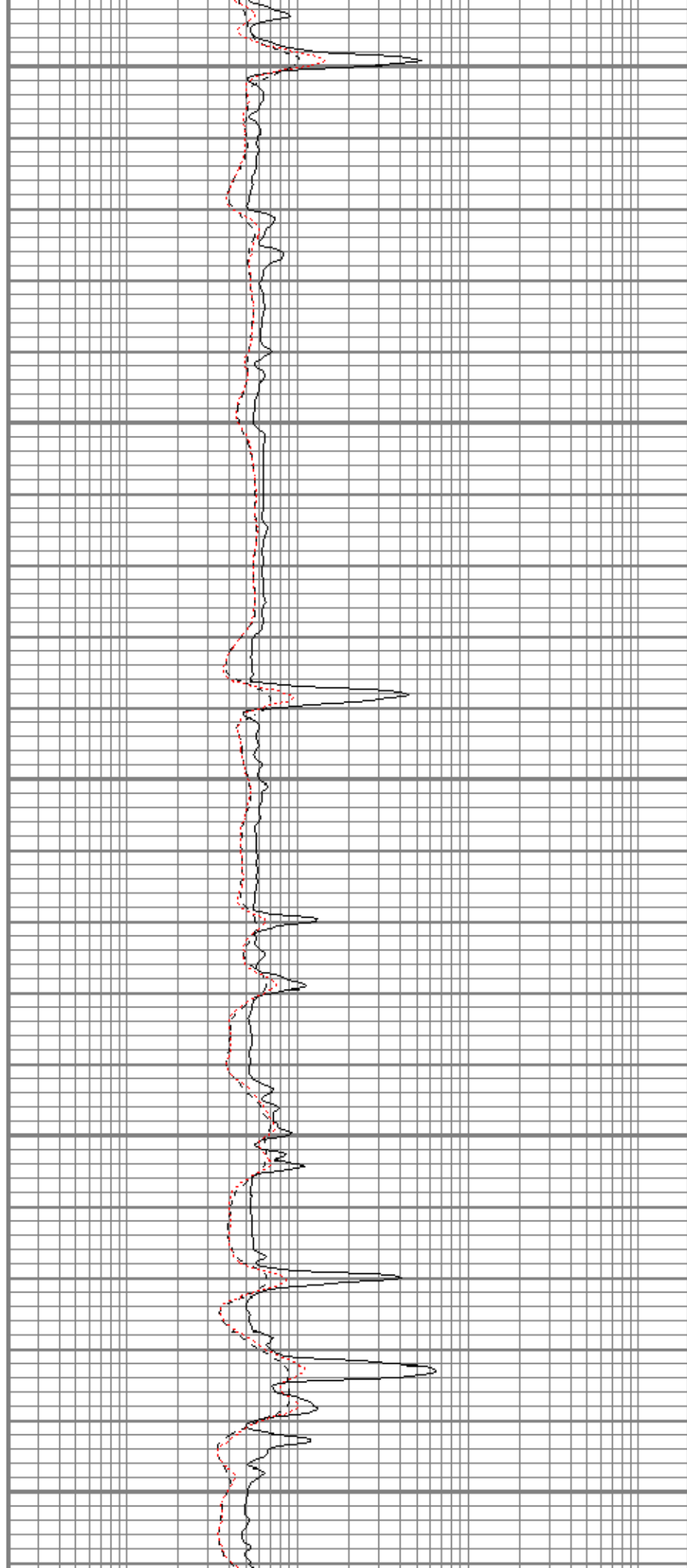
700

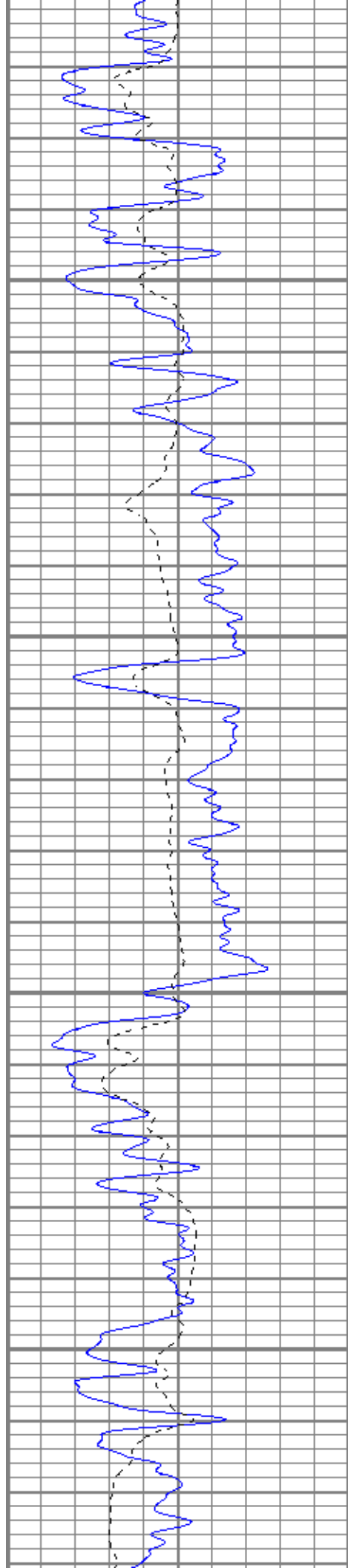
750

800

850

900



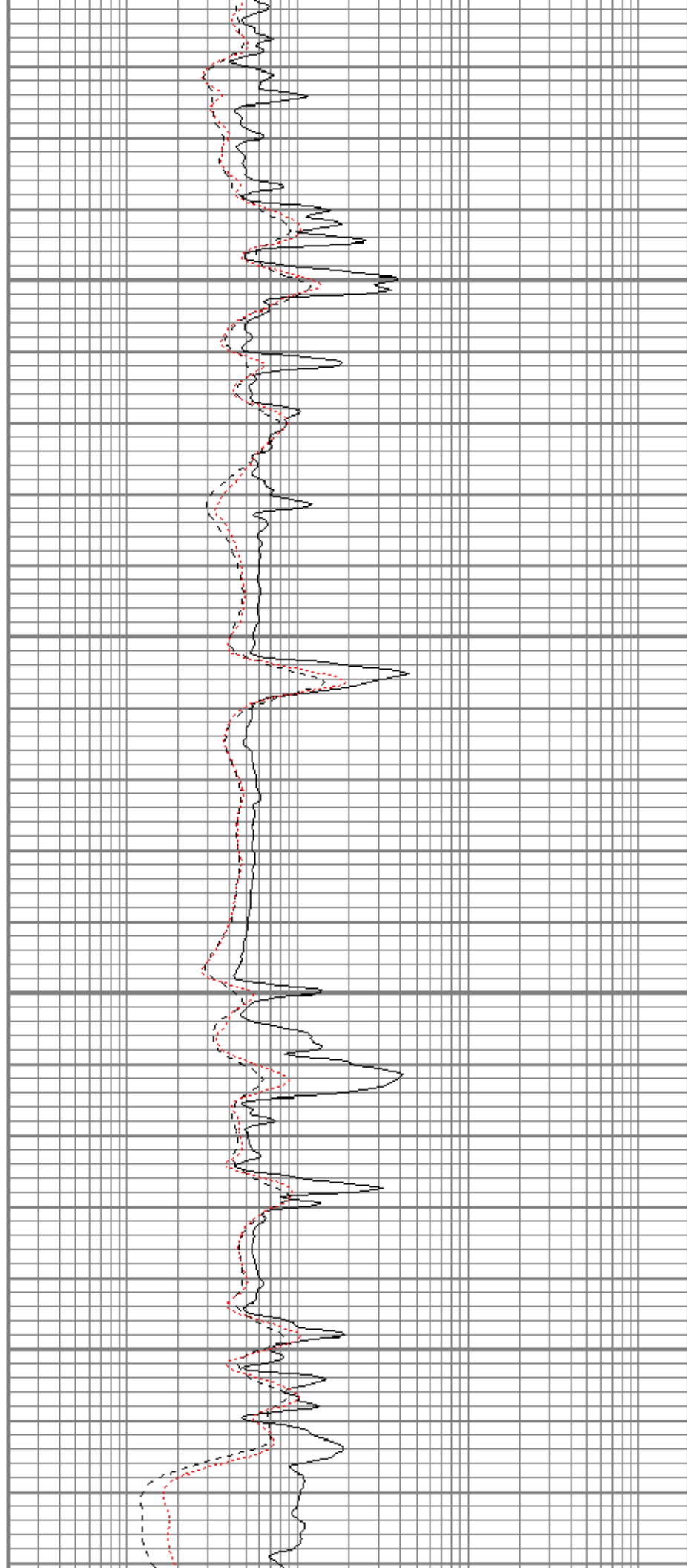


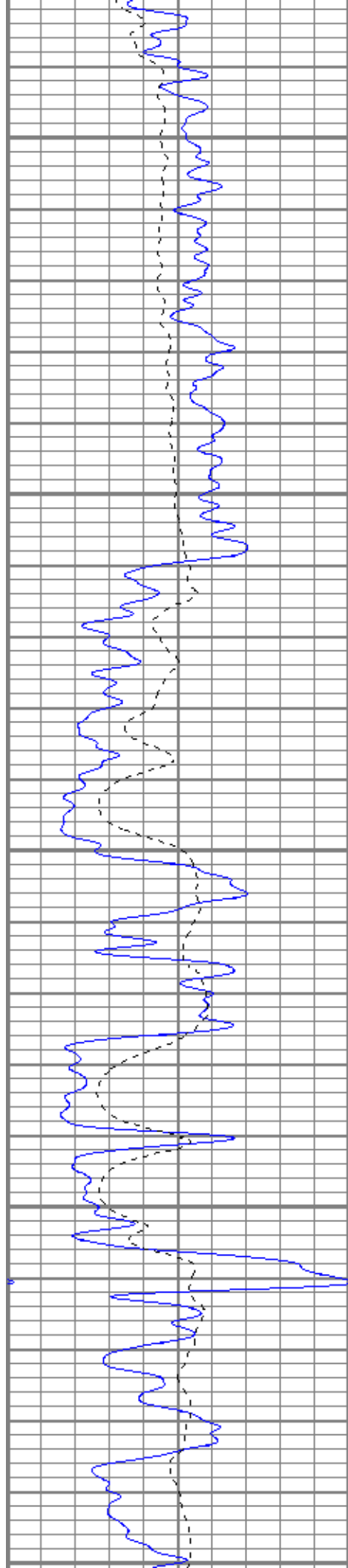
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1000

1050

1100





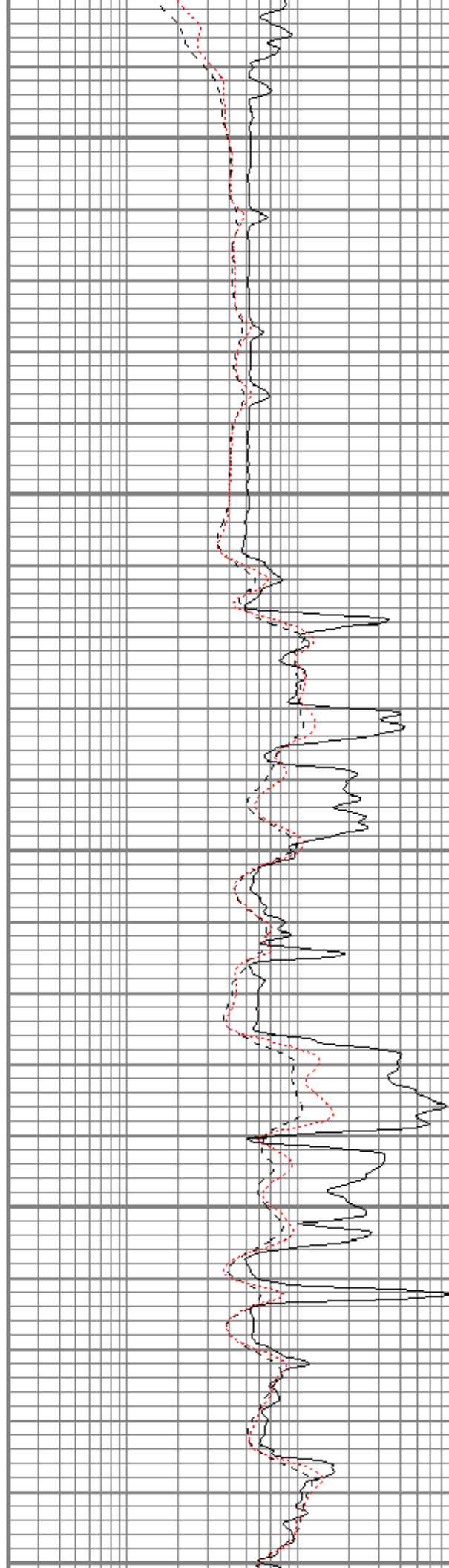
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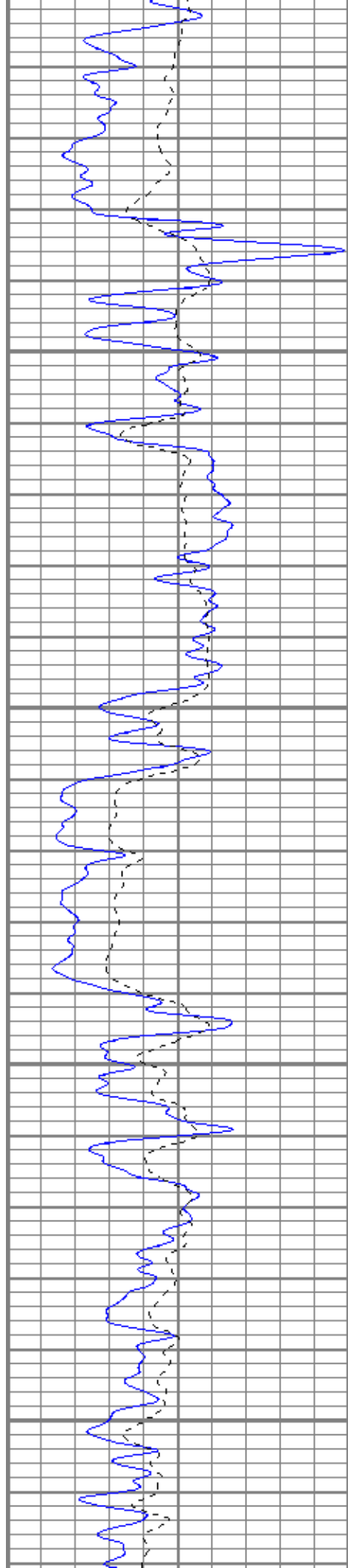
1200

1250

1300

1350



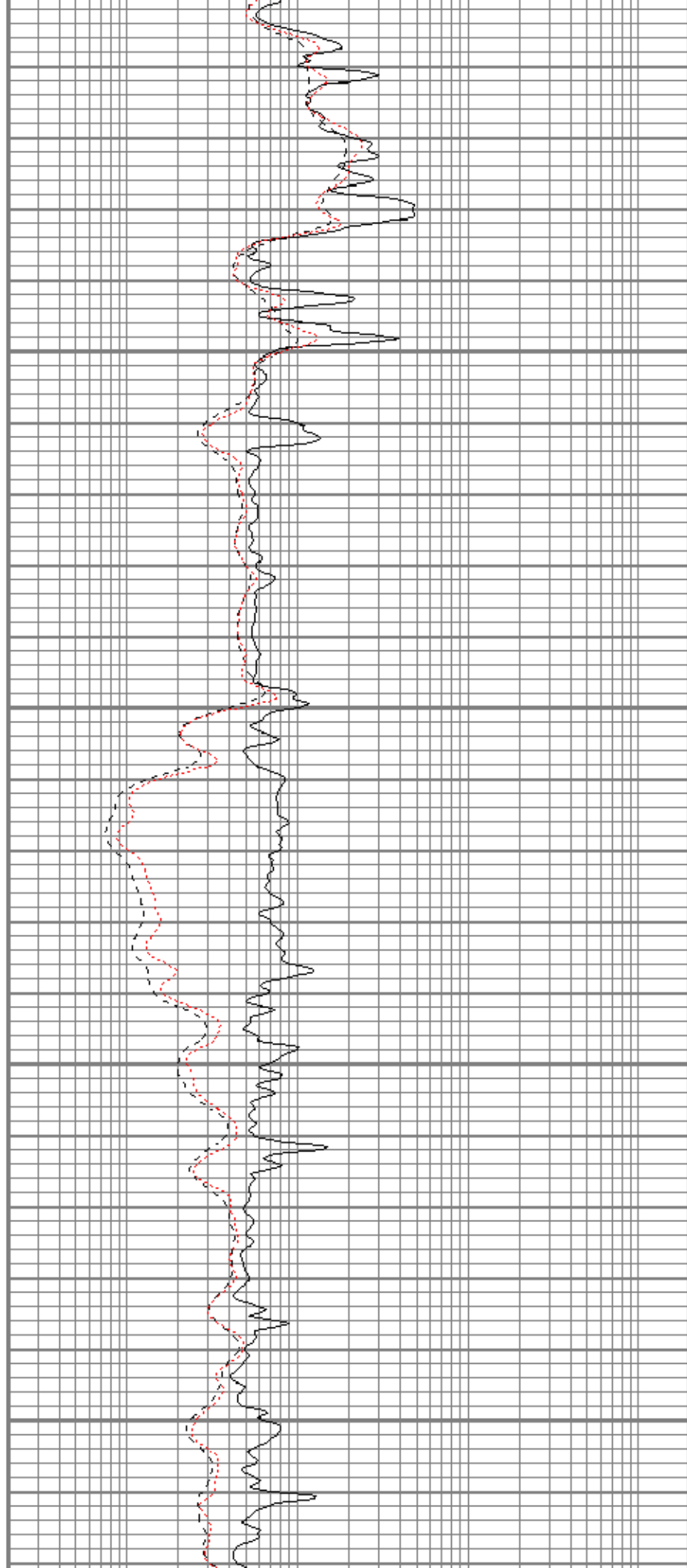


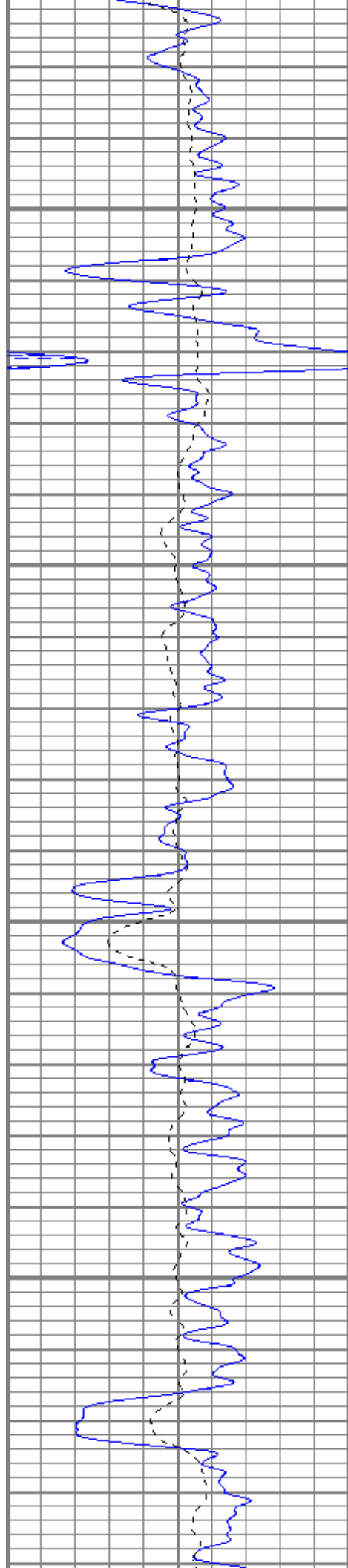
1400

1450

1500

1550



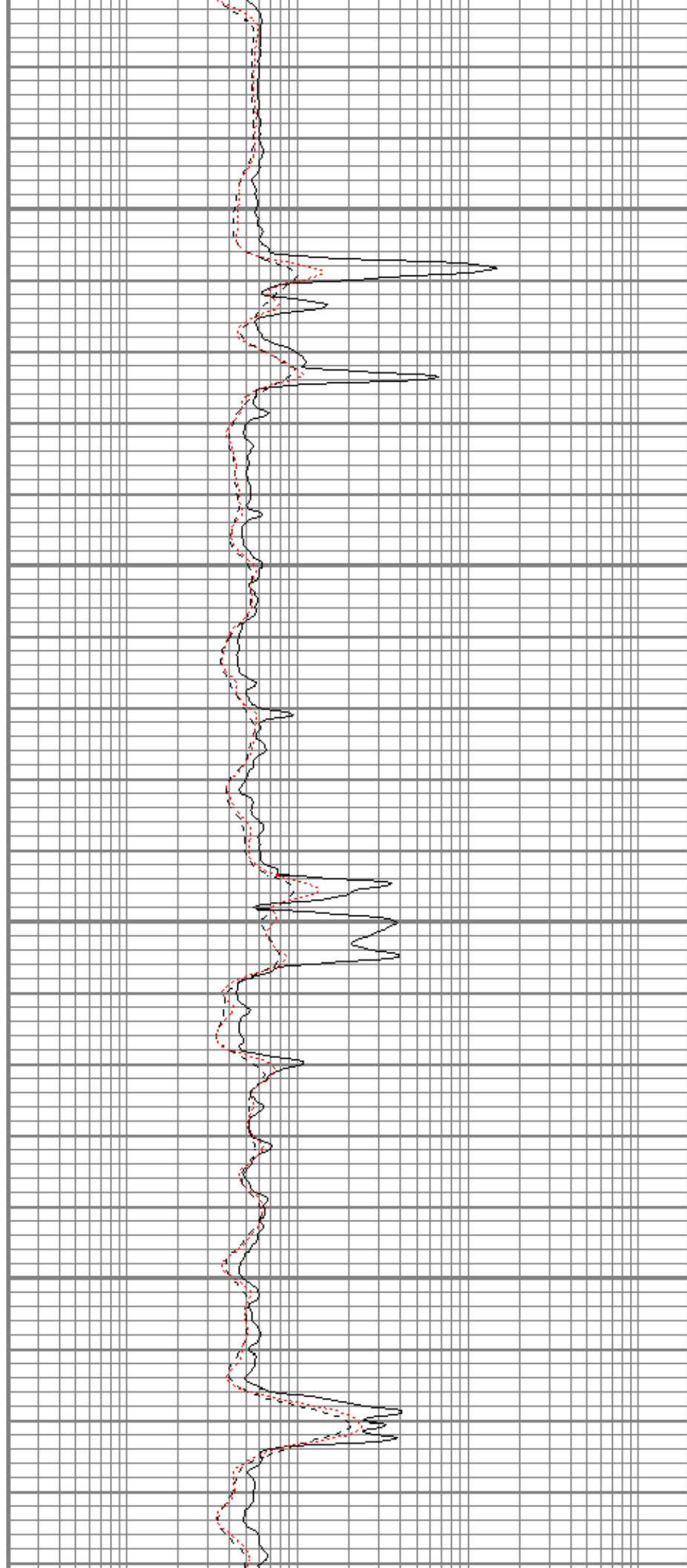


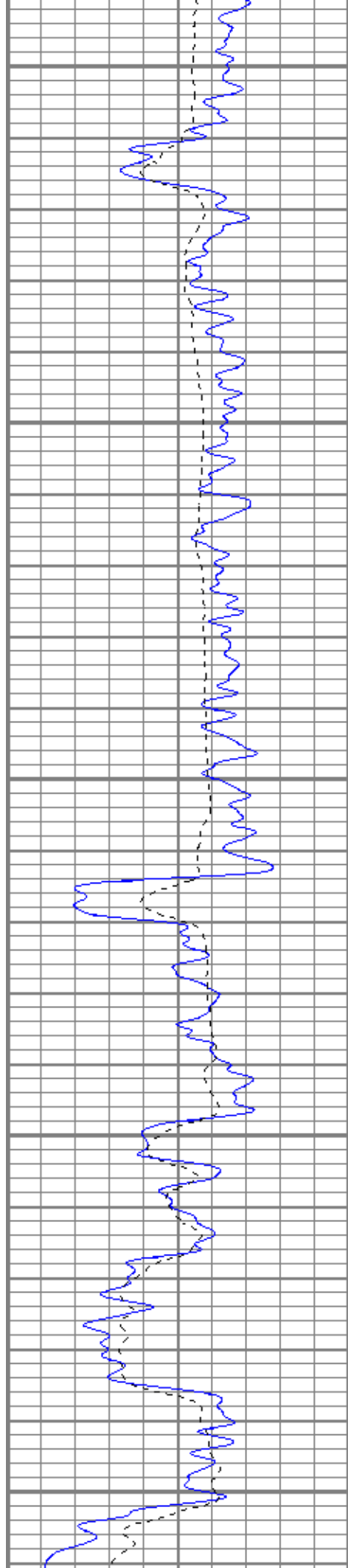
1600

1650

1700

1750





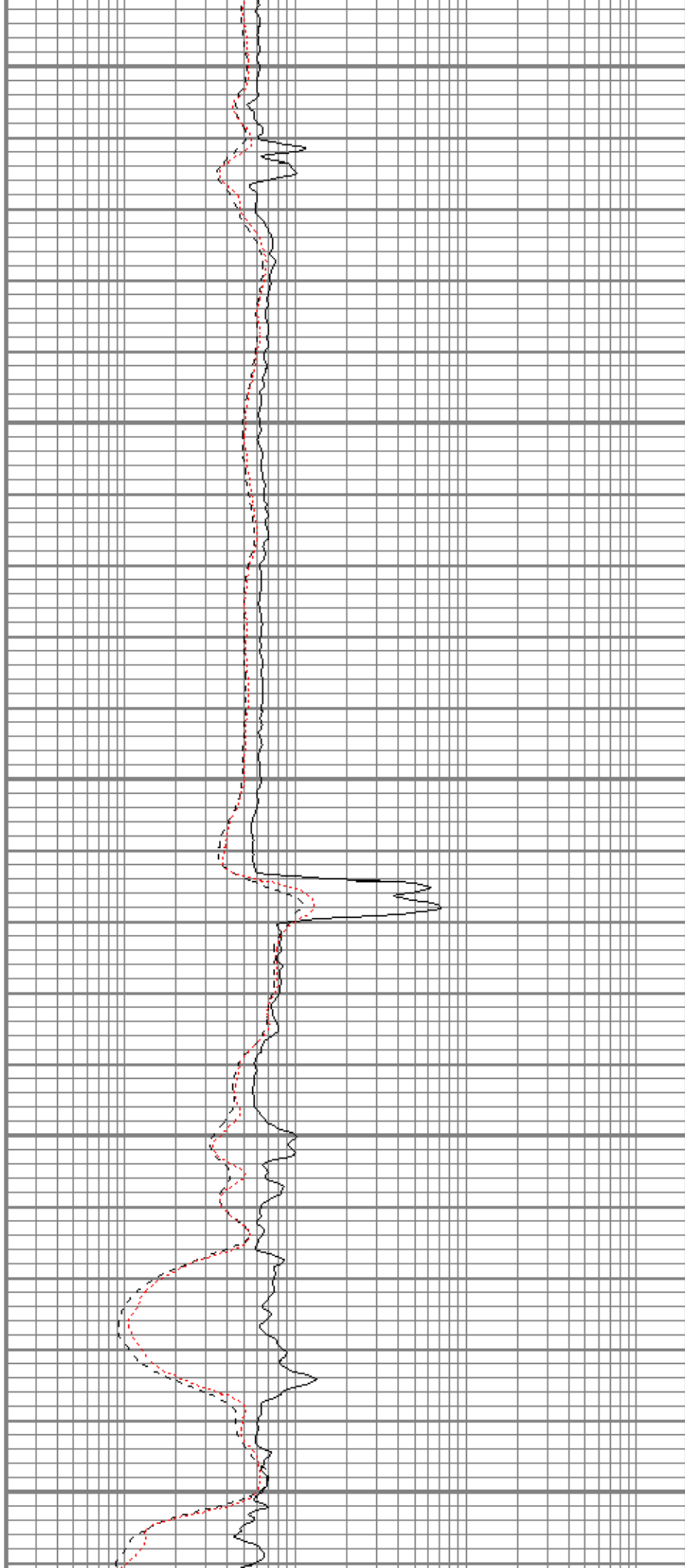
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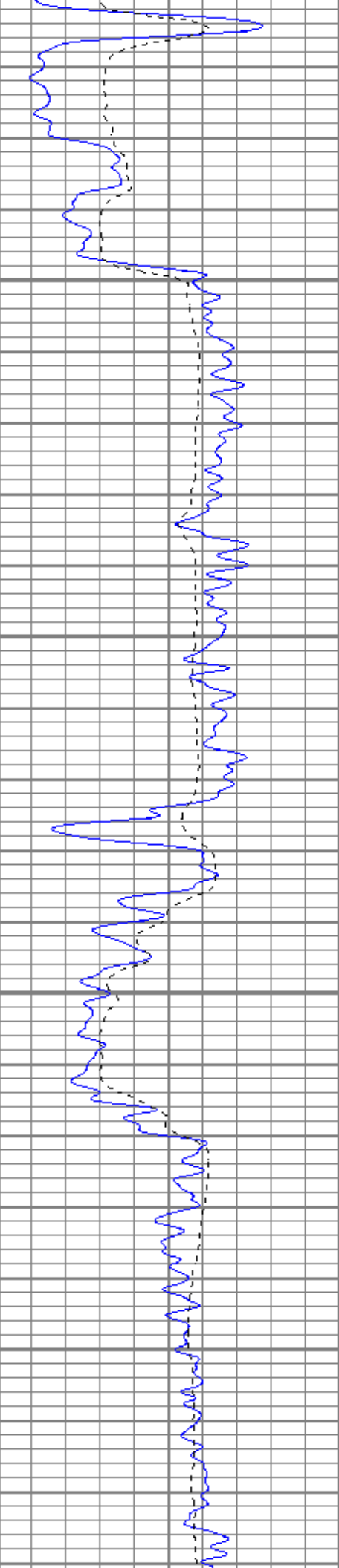
1850

1900

1950

2000



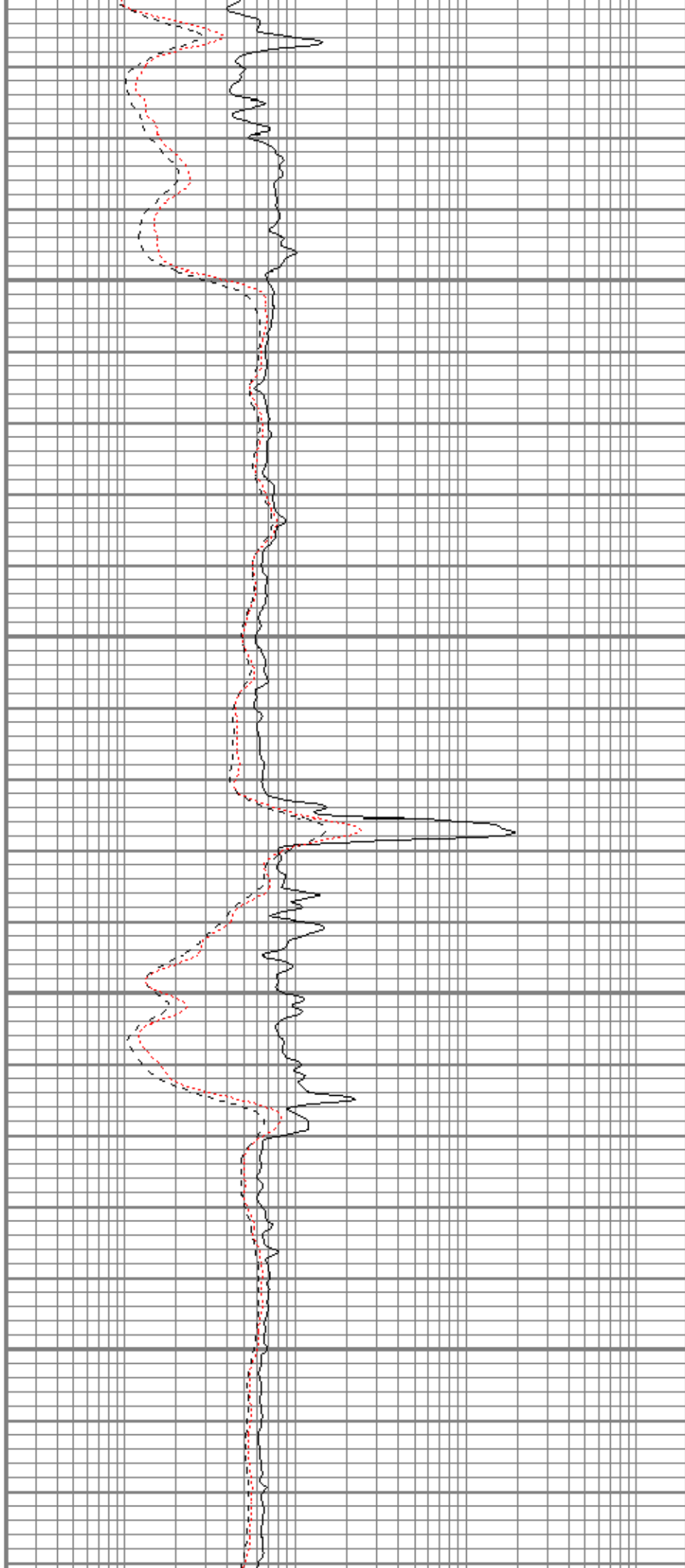


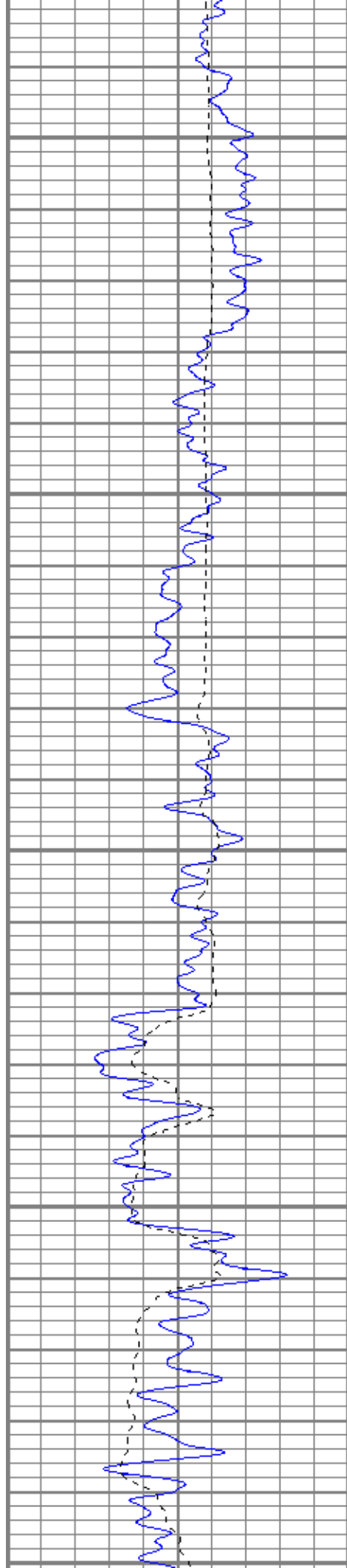
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2100

2150

2200





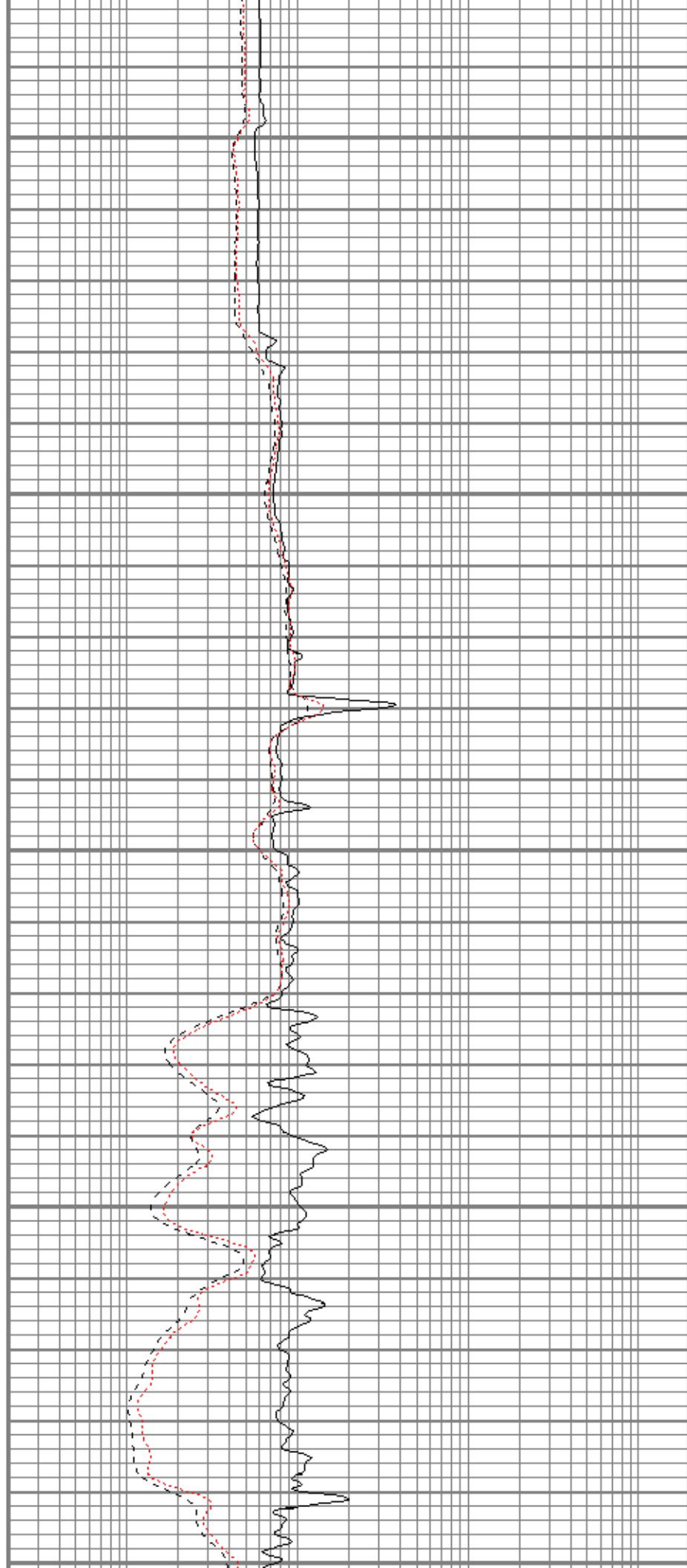
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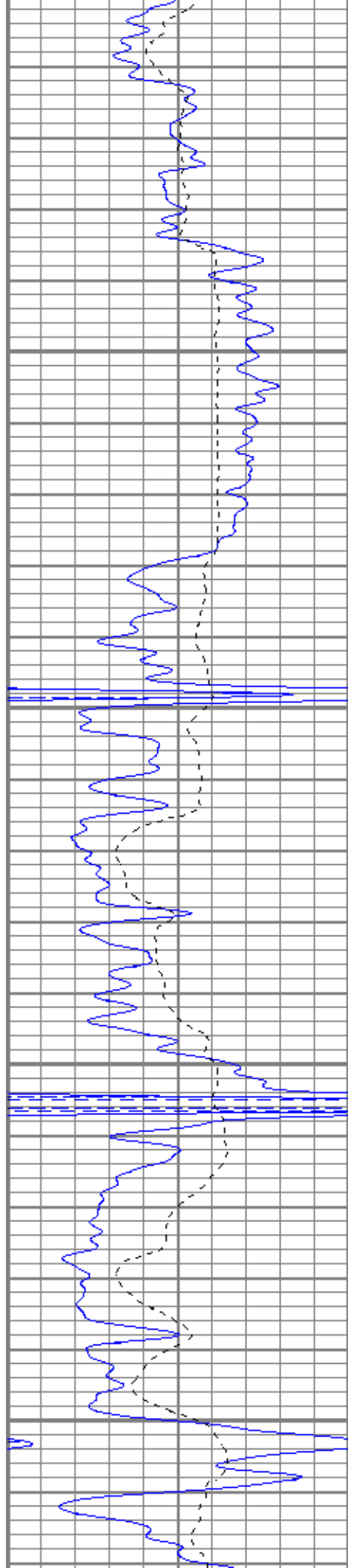
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2350

2400

2450



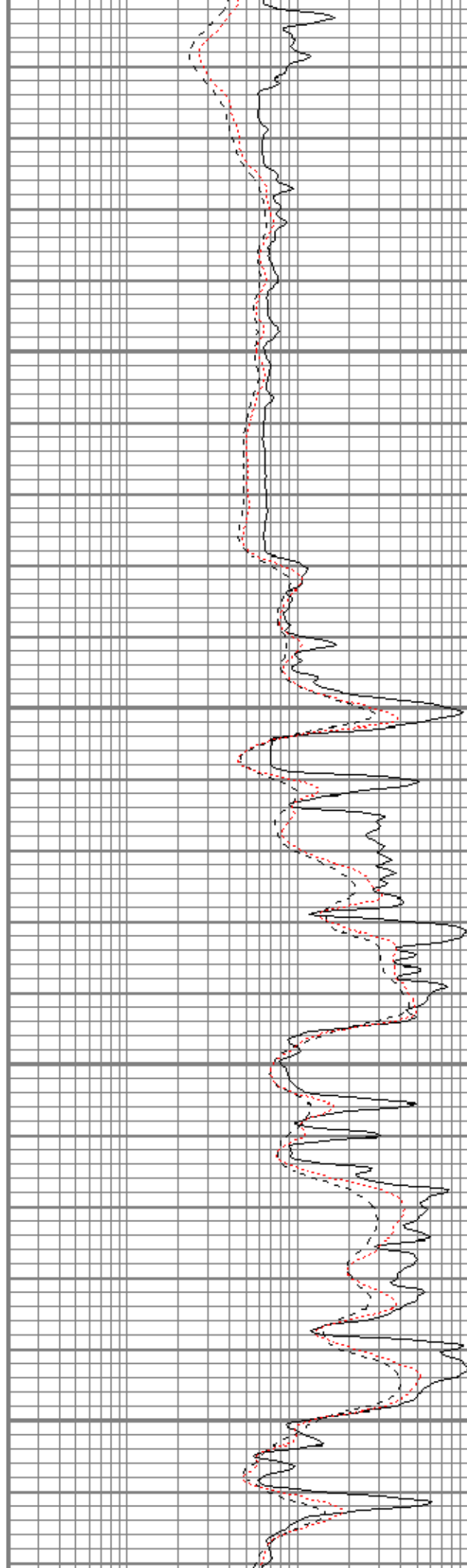


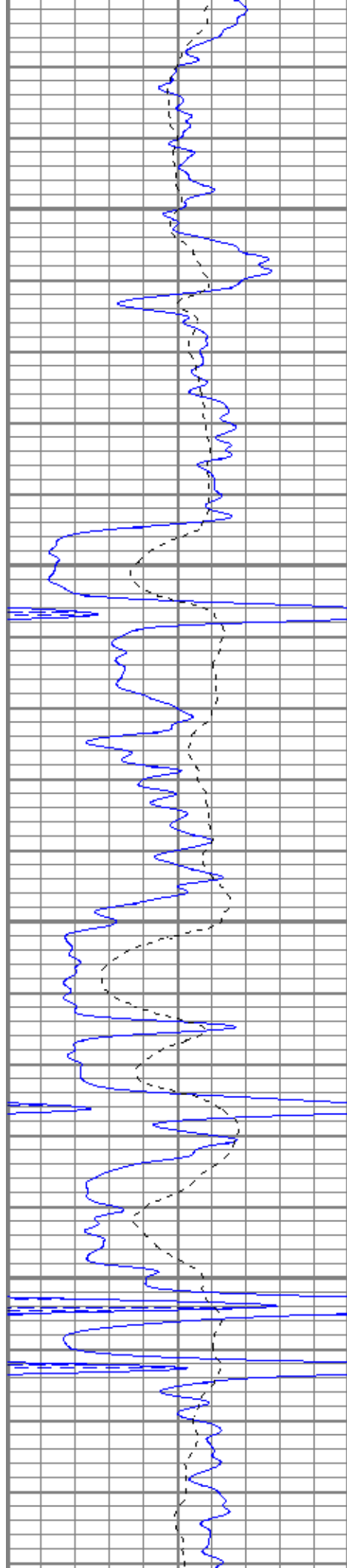
2500

2550

2600

2650



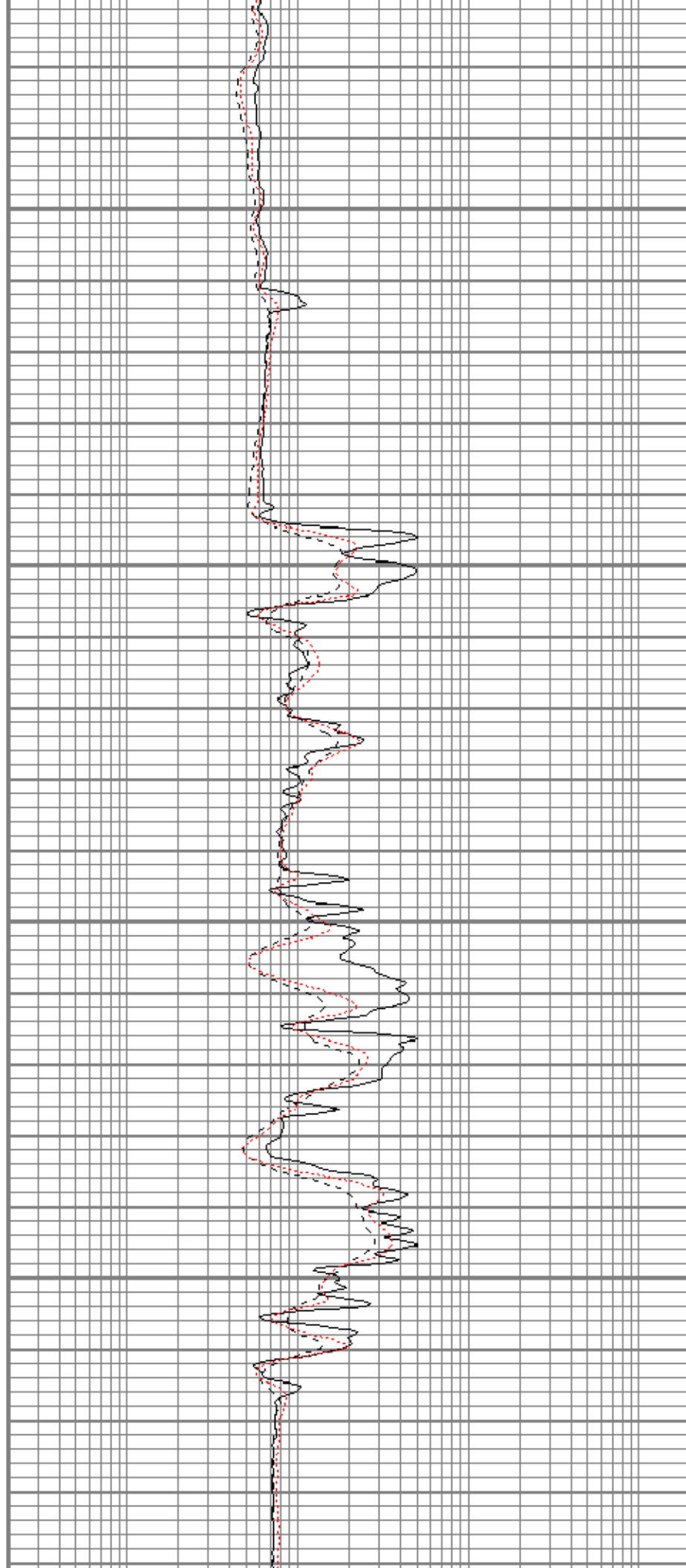


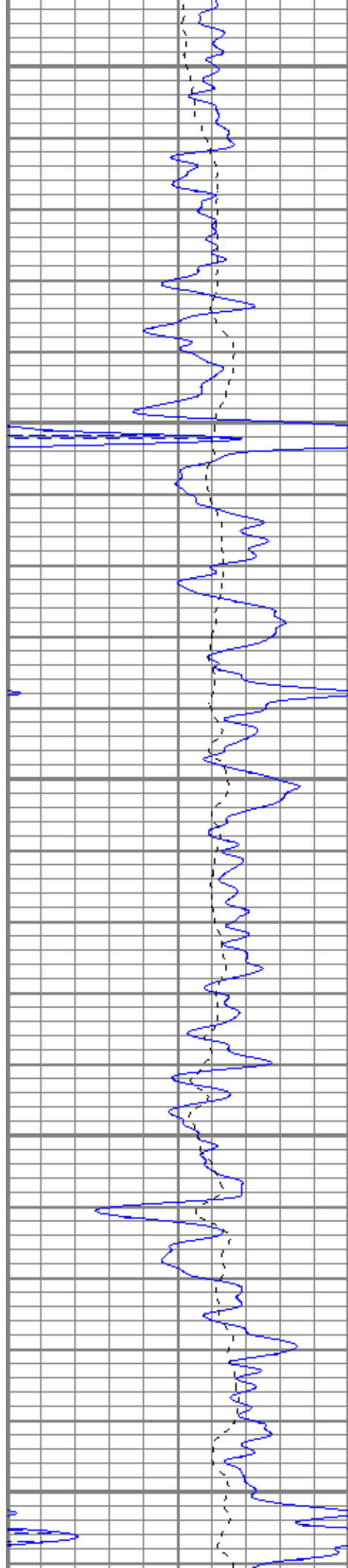
2700

2750

2800

2850





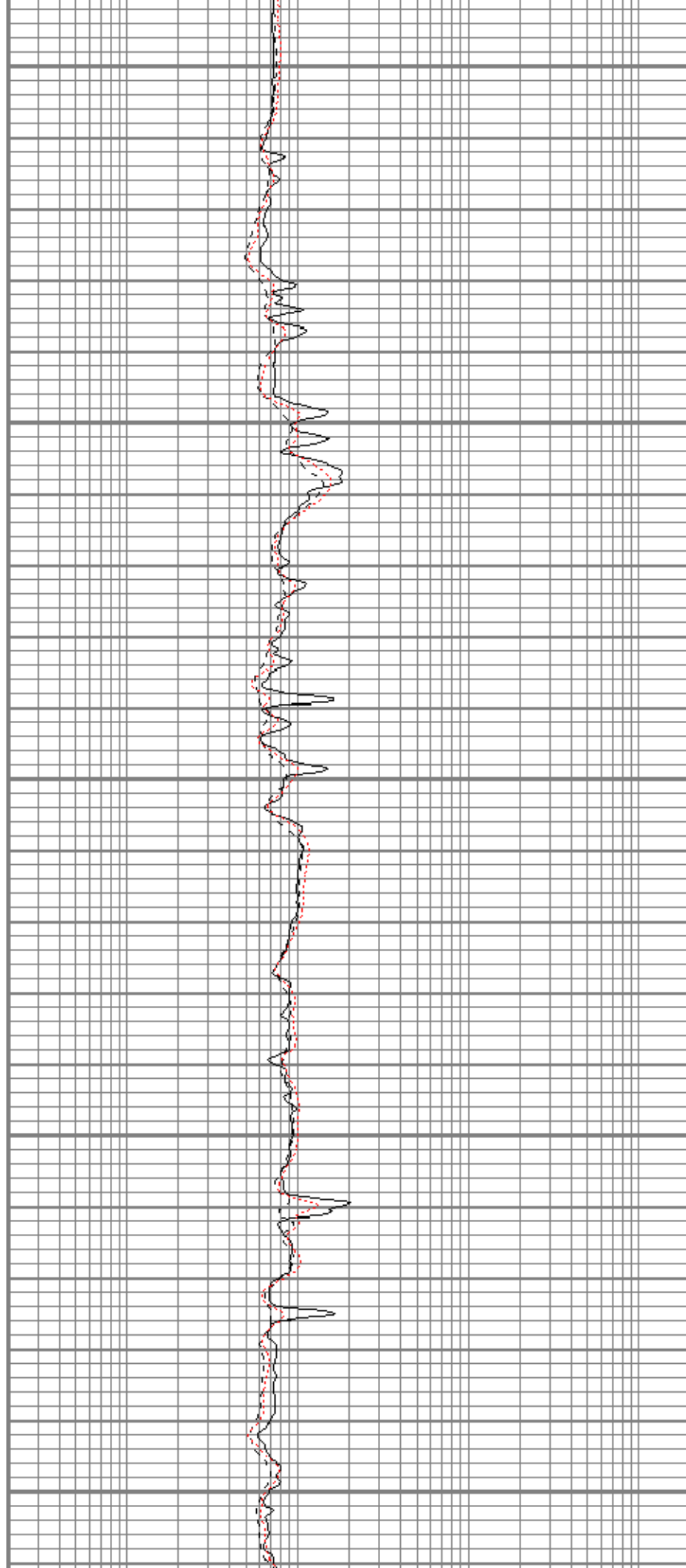
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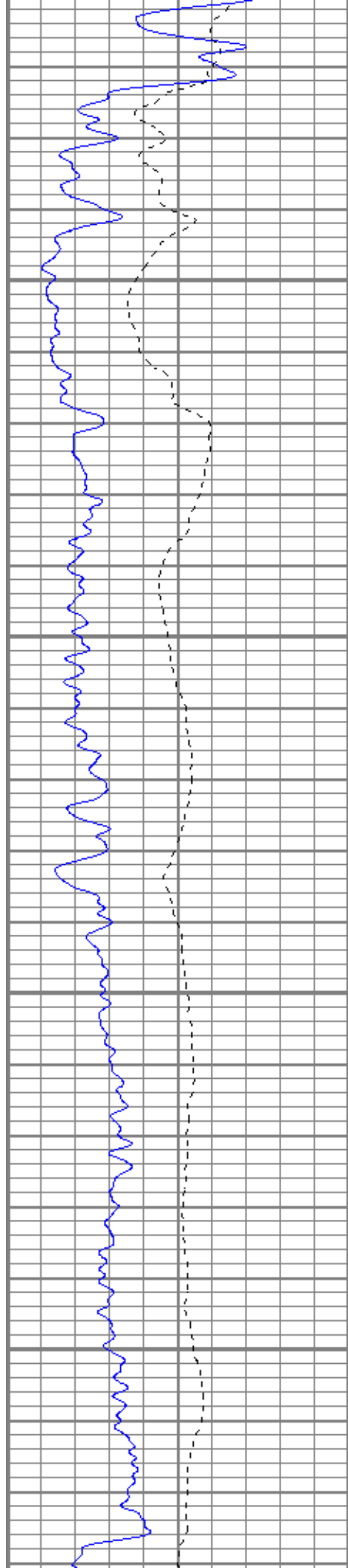
2950

3000

3050

3100



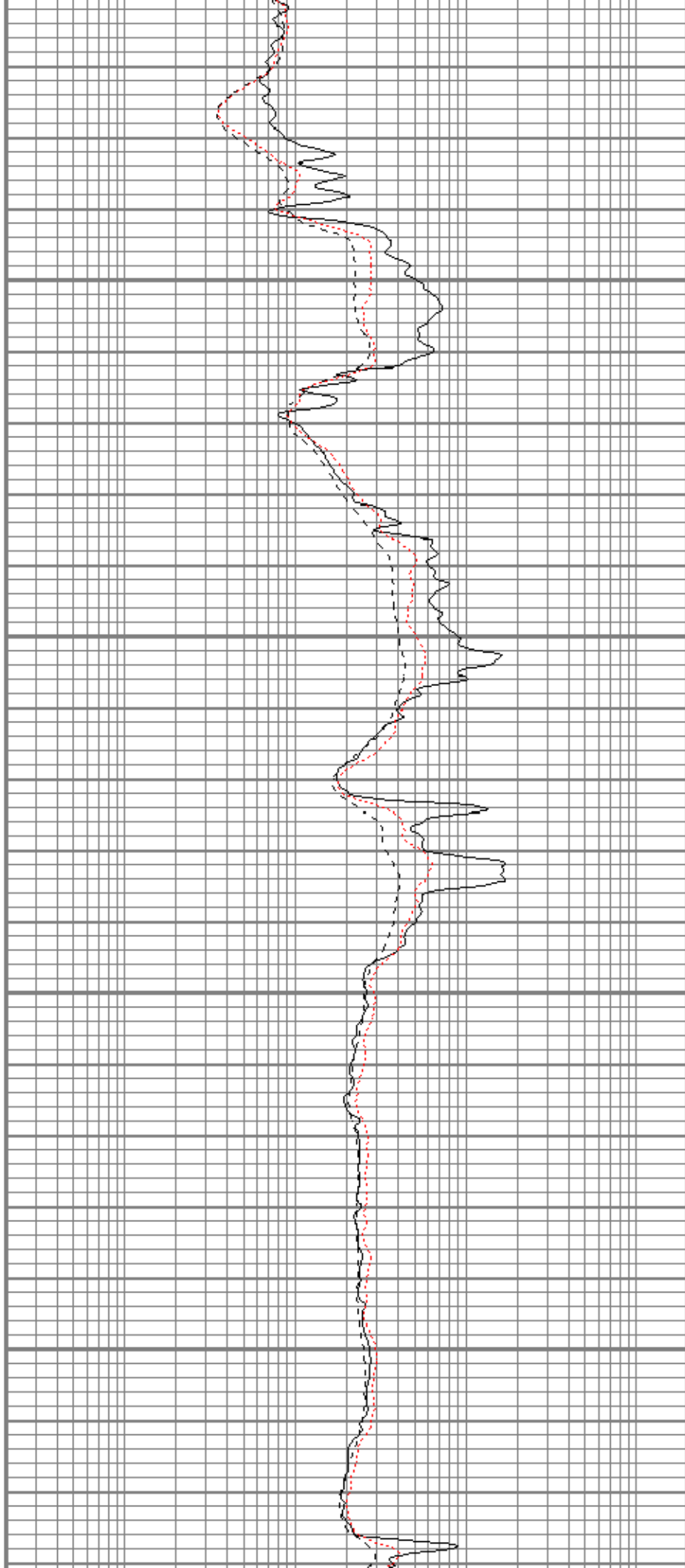


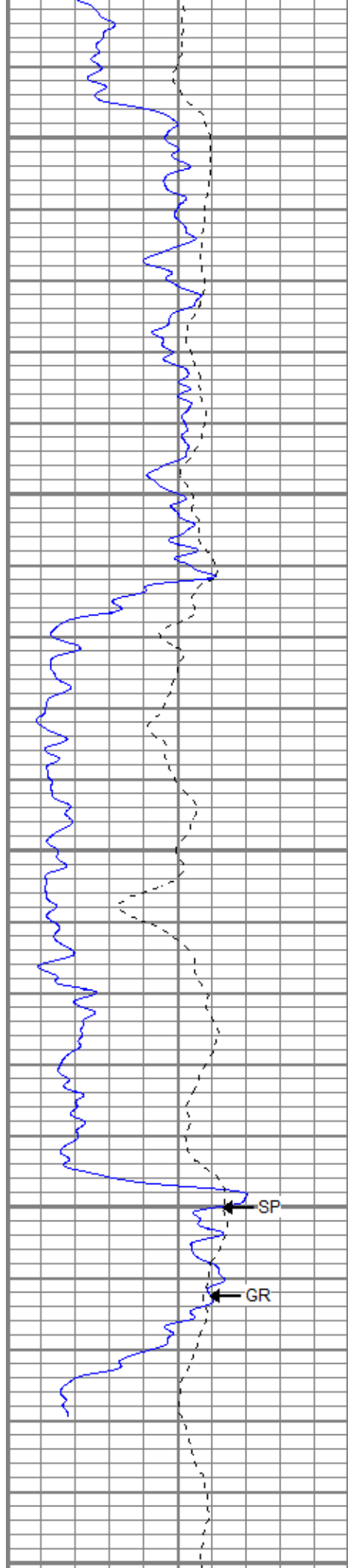
3150

3200

3250

3300





3350

3400

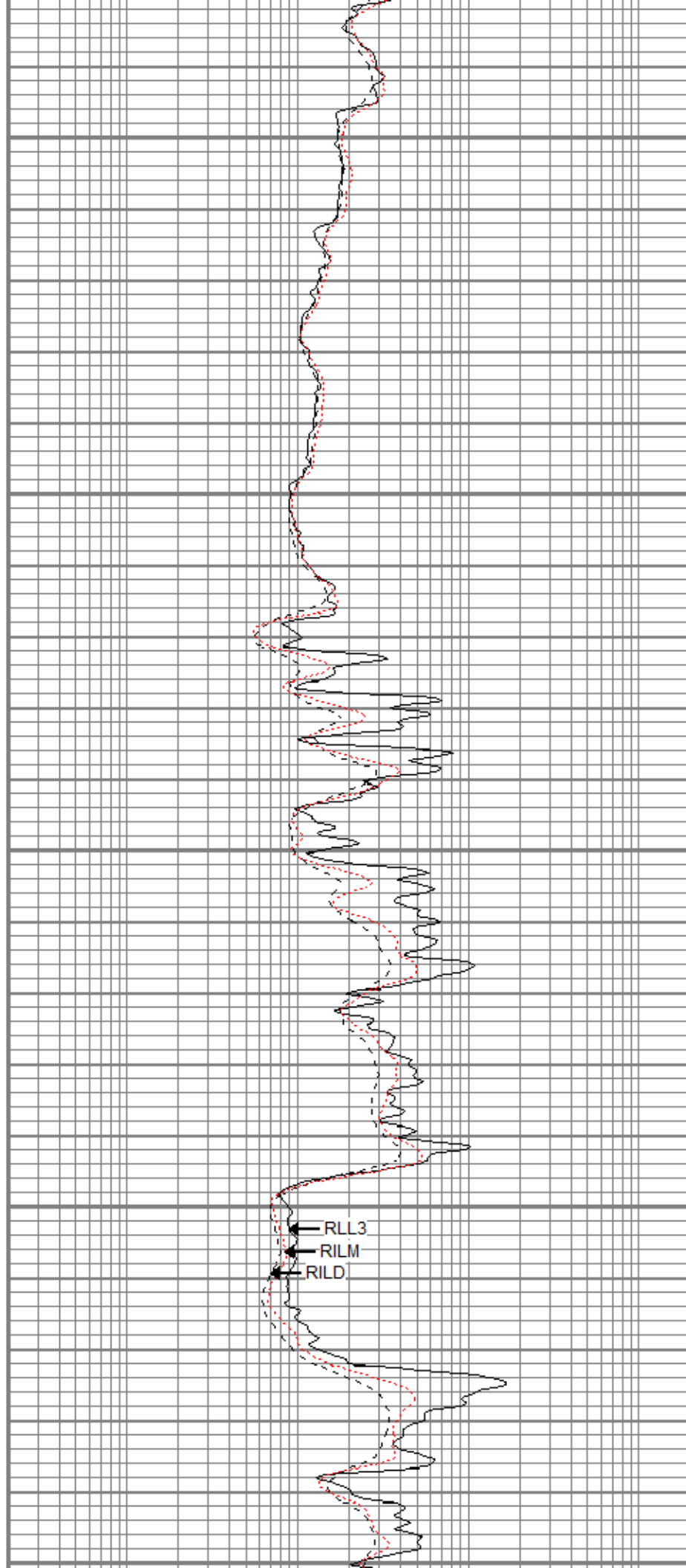
3450

3500

3550

SP

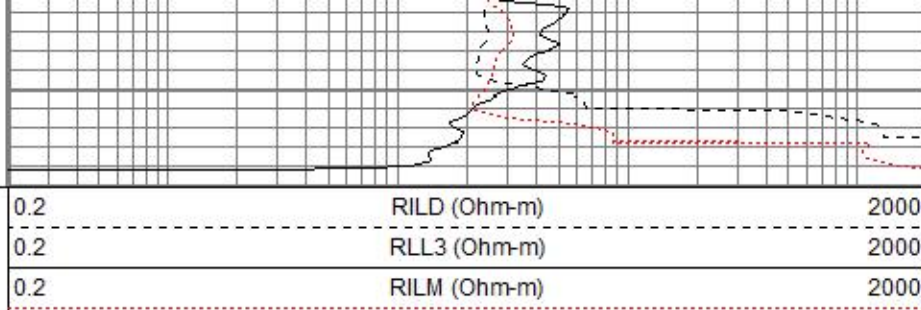
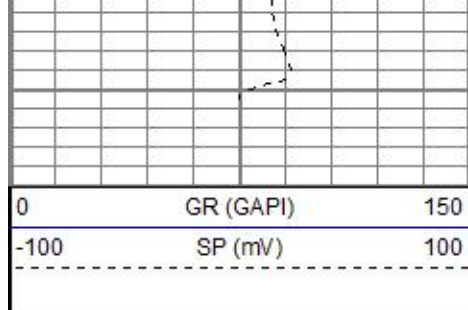
GR



RLL3

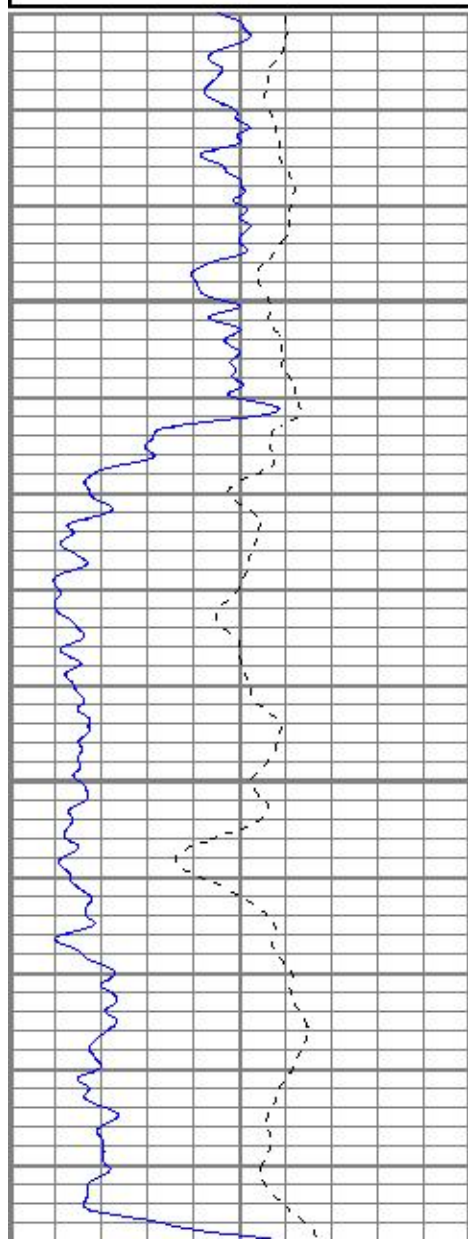
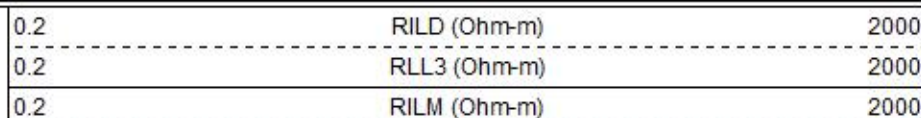
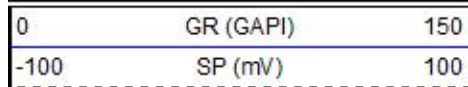
RILM

RILD



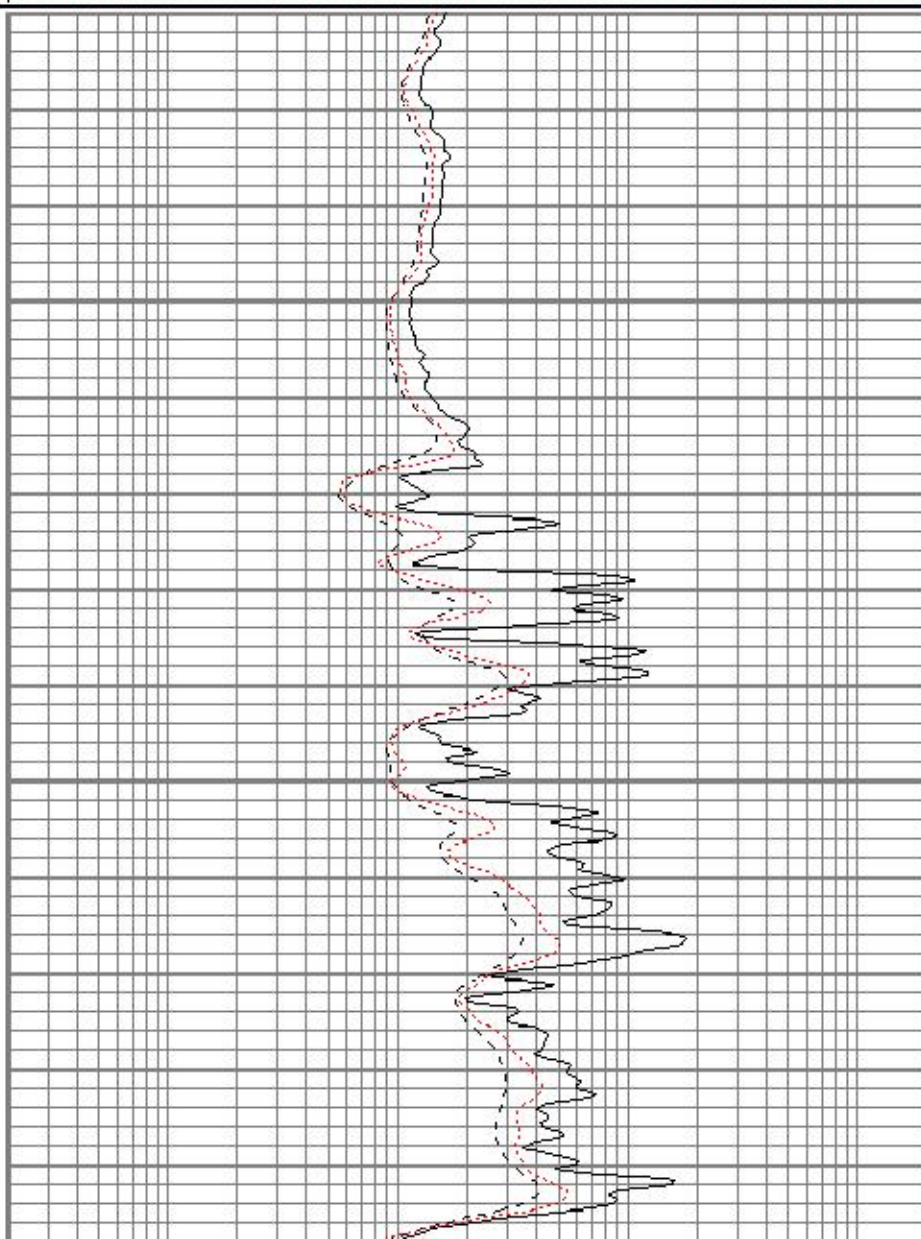
REPEAT SECTION

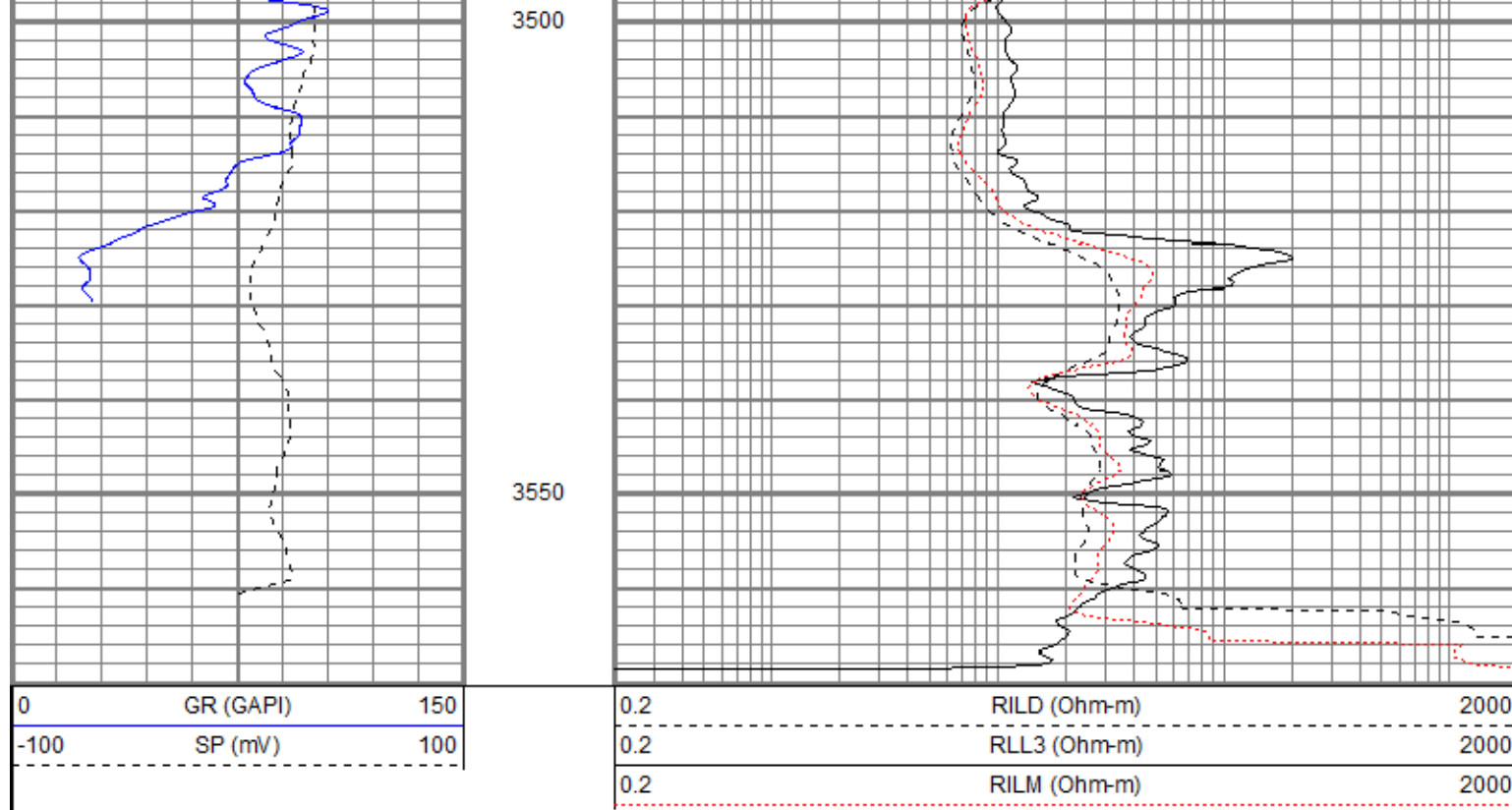
Database File: trocreed#34-1oh.db
 Dataset Pathname: pass1.1
 Presentation Format: kdil
 Dataset Creation: Sat Jun 03 00:31:48 2017
 Charted by: Depth in Feet scaled 1:240



3400

3450





Calibration Report										
Database File	trocreed#34-1oh.db									
Dataset Pathname	pass2.1									
Dataset Creation	Sat Jun 03 01:09:56 2017									
Dual Induction Calibration Report										
Serial-Model:			1989-ADM							
Surface Cal Performed:			Fri Dec 09 04:19:59 2016							
Downhole Cal Performed:			Fri Dec 09 04:20:05 2016							
After Survey Verification Performed:			Fri Dec 09 04:20:08 2016							
Surface Calibration										
		Readings					References			
Loop:	Air	Loop		Air	Loop		m	b		
Deep	0.002	0.656	V	0.000	350.000	mmho/m	535.560	-1.118		
Medium	0.003	0.745	V	0.000	400.000	mmho/m	538.828	-1.427		
Internal:	Zero	Cal		Zero	Cal		m	b		
Deep	0.002	0.656	V	0.000	350.000	mmho/m	535.220	-1.003		
Medium	0.003	0.745	V	0.000	550.000	mmho/m	741.357	-2.036		
Downhole Calibration										
		Readings					References			
Internal:	Zero	Cal		Zero	Cal		m	b		
Deep	-0.036	349.993	mmho/m	-0.114	350.108	mmho/m	1.001	-0.078		
Medium	0.039	400.181	mmho/m	0.053	399.799	mmho/m	0.999	0.013		
Shallow	2.503	0.015	V	500.000	2.000	Ohm-m	180.177	-4.046		
After Survey Verification										
		Readings					Targets			
Internal:	Zero	Cal		Zero	Cal		m'	b'		

Deep	0.000	0.000	mmho/m	-0.036	349.993	mmho/m	1.001	-0.078
Medium	0.000	0.000	mmho/m	0.039	400.181	mmho/m	0.999	0.013
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

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Neutron Calibration Report								
Serial Number:	Admyr							
Tool Model:	G							
Performed:	Thu Mar 09 09:56:12 2017							
Calibrator Value:	1			NAPI				
Calibrator Reading:	1			cps				
Sensitivity:	1			NAPI/cps				

Gamma Ray Calibration Report								
Serial Number:	1							
Tool Model:	A							
Performed:	Sat May 13 11:32:18 2017							
Calibrator Value:	1.0			GAPI				
Background Reading:	0.0			cps				
Calibrator Reading:	1.0			cps				
Sensitivity:	0.7000			GAPI/cps				

Temperature Calibration Report					
Serial Number:	1				
Tool Model:	A				
Performed:	Sat Apr 09 21:14:20 2016				
	Reference			Reading	
Low Reference:	0.00	degF	0.00	degF	
High Reference:	32.00	degF	32.00	degF	
Gain:	1.00				
Offset:	0.00				
Delta Spacing	1				

Inclinometer Calibration Report								
Performed:	Thu Mar 09 10:44:26 2017							
	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		

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	38.32		CHD-STD	0.50	1.69	1.00
TEMP	35.35		ADT1PULSE-A (1)	0.83	3.50	10.00
PSTAT	35.06		Pulsed Interface Tool #1			
ASTAT	35.06		ADT1ADC-A (1)	0.83	3.50	10.00
GRD	34.81		Analog Interface #1			
ACCY	34.65		ADT1SENSORS-A (1)	4.54	3.50	10.00
ACCY	34.65		NEU-G (Admyr)	5.65	3.50	85.00

Tool	Depth (ft)	Weight (lb)	Length (ft)	Weight (lb)	Length (ft)
ACCX	34.65				
SSTAT	34.65				
NEU	33.46				
LStat	22.54				
LS8	21.88				
LS7	21.88				
LS6	21.88				
LS5	21.88				
LS4	21.88				
LS3	21.88				
LS2	21.88				
LS1	21.88				
LSV	21.88				
LSD	21.86				
SSV	21.67				
SS8	21.67				
SS7	21.67				
SS6	21.67				
SS5	21.67				
SS4	21.67				
SS3	21.67				
SS2	21.67				
SS1	21.67				
DCAL	21.61				
SSD	21.27				
SP	10.60				
CILD	10.60				
CILM	6.89				
RLL3	1.70				
TR_Mon	0.00				

ADT1LITH-A (1)
Admyr Litho Density Tool

DIL-ADM (1989)
Dual Induction

9.29

3.50

240.00

19.71

4.00

300.00

Dataset: trocreed#34-1oh.db: field/well/run1/pass2.1

Total length: 39.69 ft

Total weight: 656.00 lb

O.D.: 4.00 in