



DUAL INDUCTION LOG

Company Taos Resources Operating Company LLC

Well LFJ #3

Field Maddix North

County Cowley State Kansas

Location: API #: 15 035 24665

SEC 34 TWP 32S RGE 5E

Permanent Datum Ground Level Elevation 1291'

Log Measured From KB 5' AGL

Drilling Measured From KB

Other Services
CDNL
BHC
ML
Elevation
K.B. 1296'
D.F. 1294'
G.L. 1291'

Date 2-13-17

Run Number One

Depth Driller 3560'

Depth Logger 3556'

Bottom Logged Interval 3554'

Top Log Interval 350'

Casing Driller 8 5/8" @ 276'

Casing Logger 276'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 8.6/42

pH / Fluid Loss 10/11.2

Source of Sample Pit

Rm @ Meas. Temp 2.15@78degf

Rmf @ Meas. Temp 1.72@78degf

Rmc @ Meas. Temp 2.75@78degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.51@111degf

Time Circulation Stopped 2:00 a.m.

Time Logger on Bottom 4:15 a.m.

Maximum Recorded Temperature 111degf

Equipment Number T127

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 to 151st rd., 2 south, 1/2 east, north into

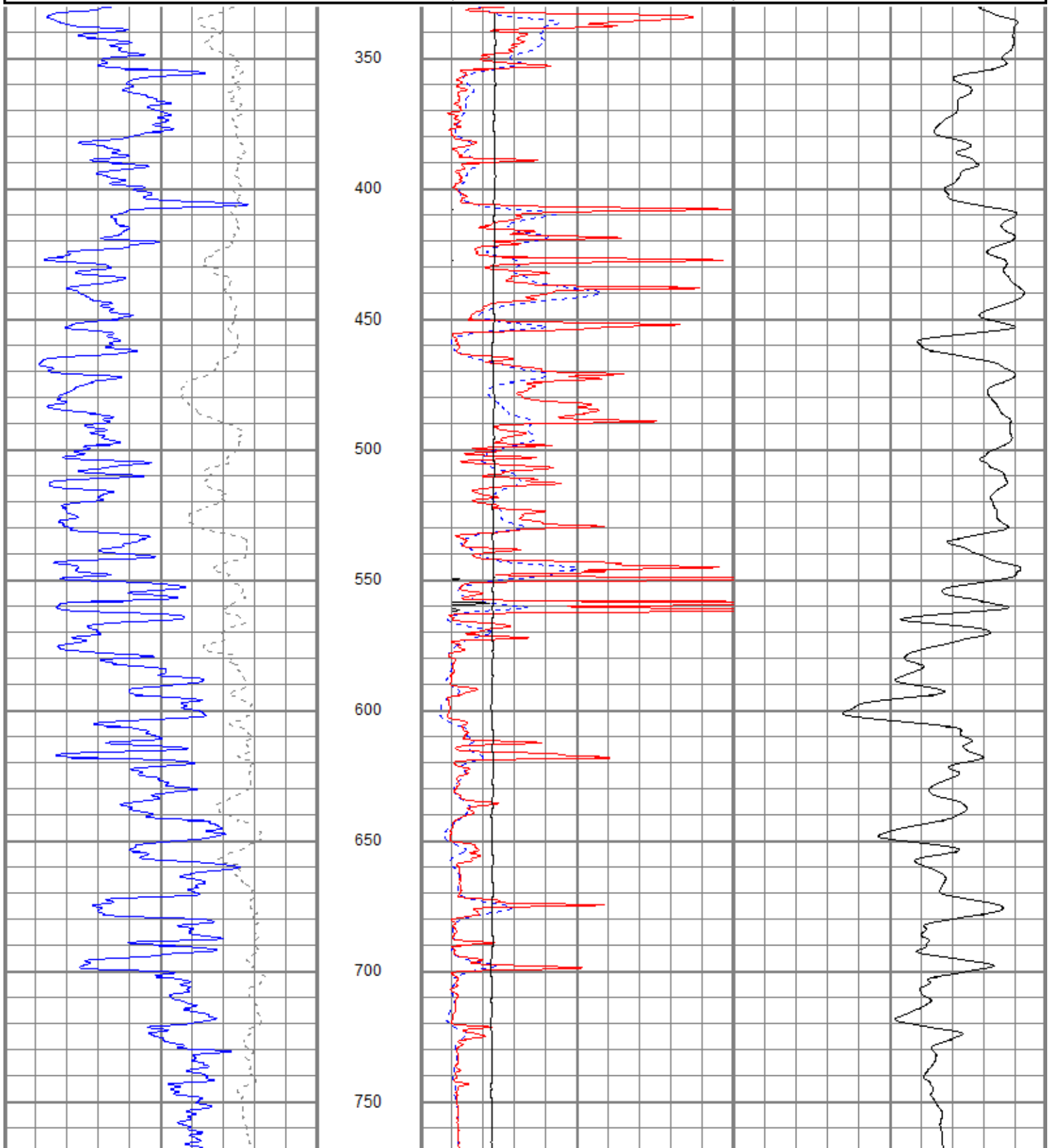


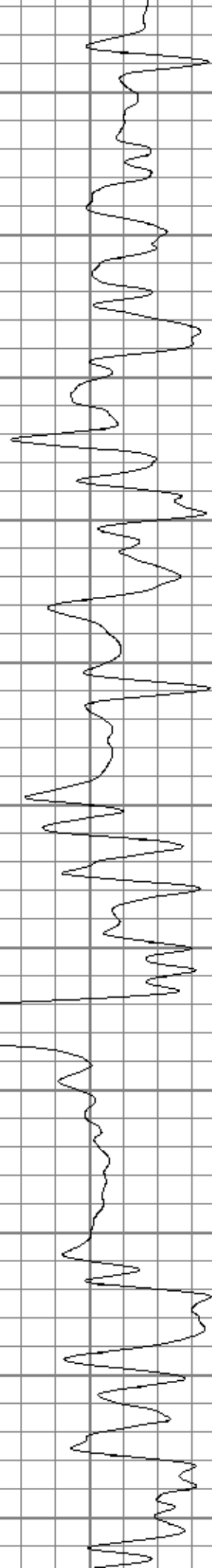
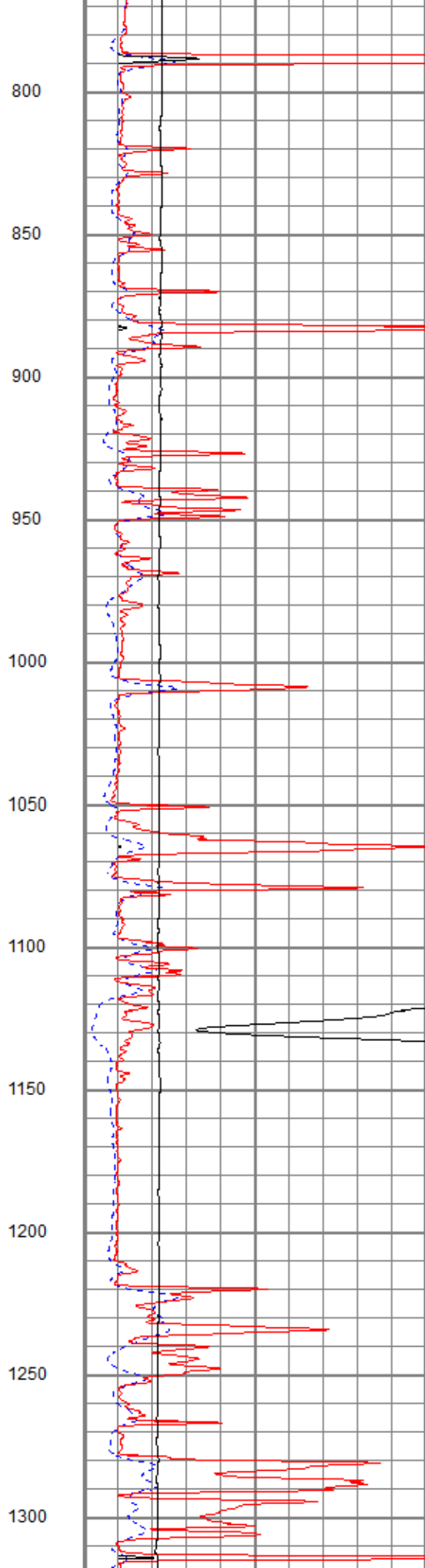
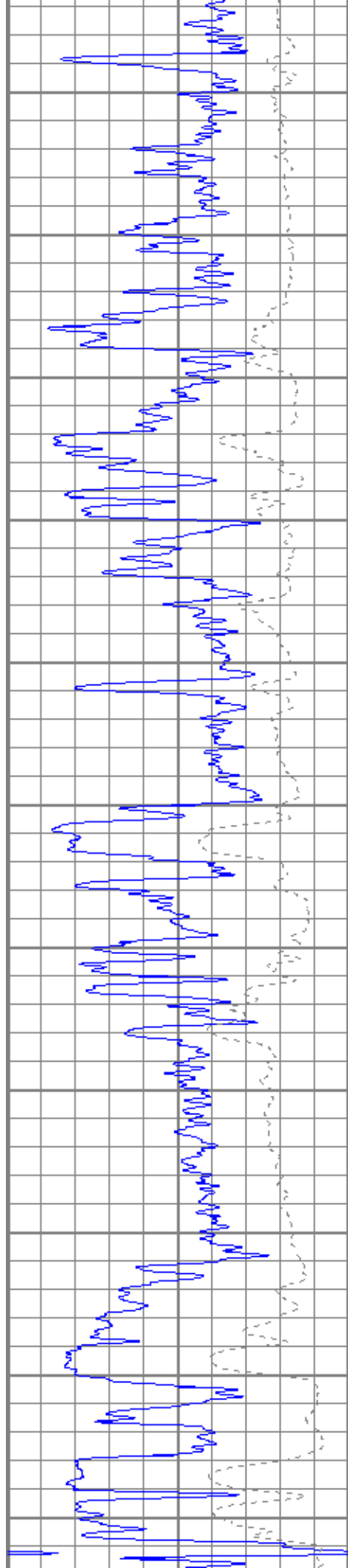
MAIN PASS

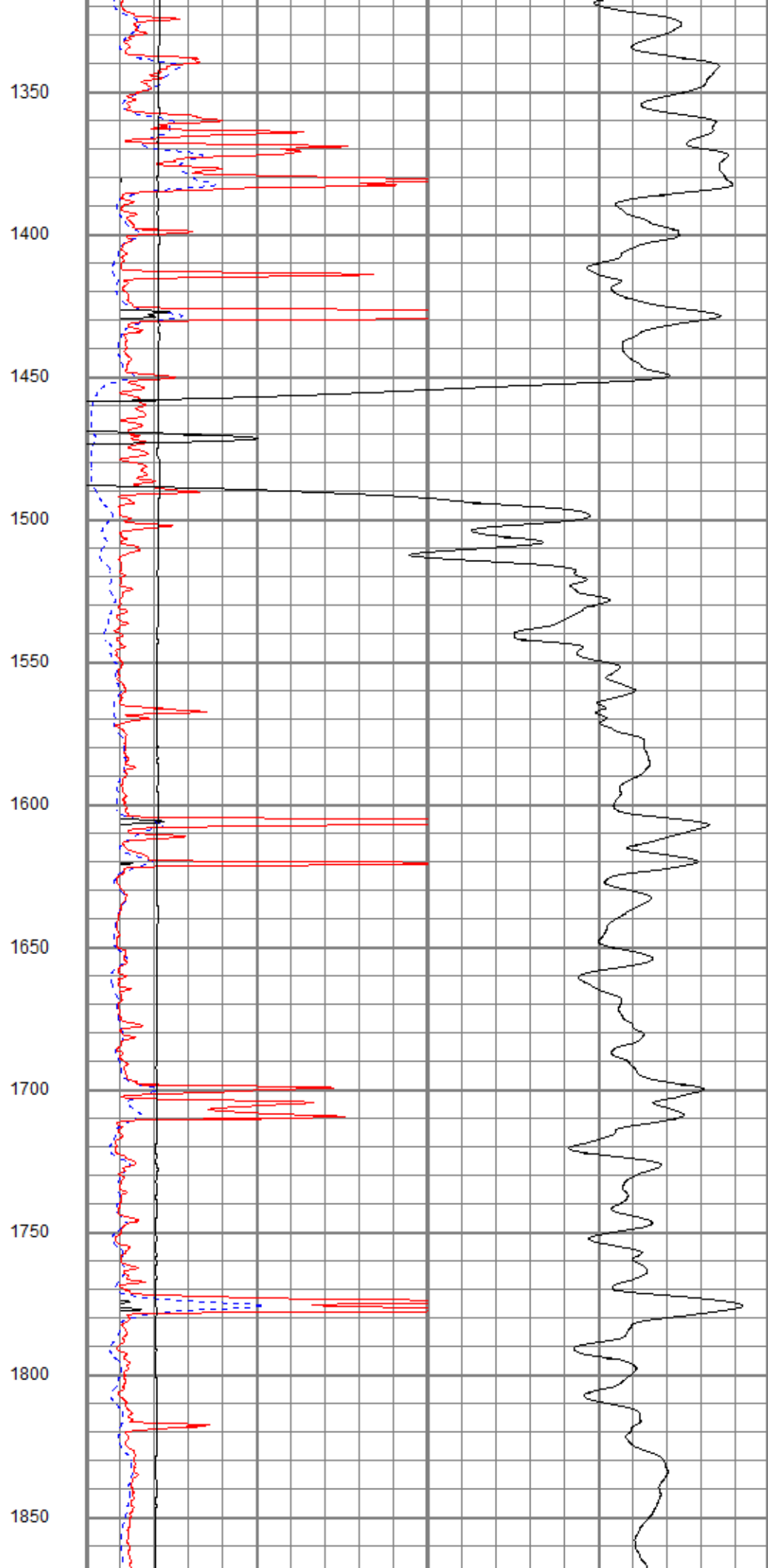
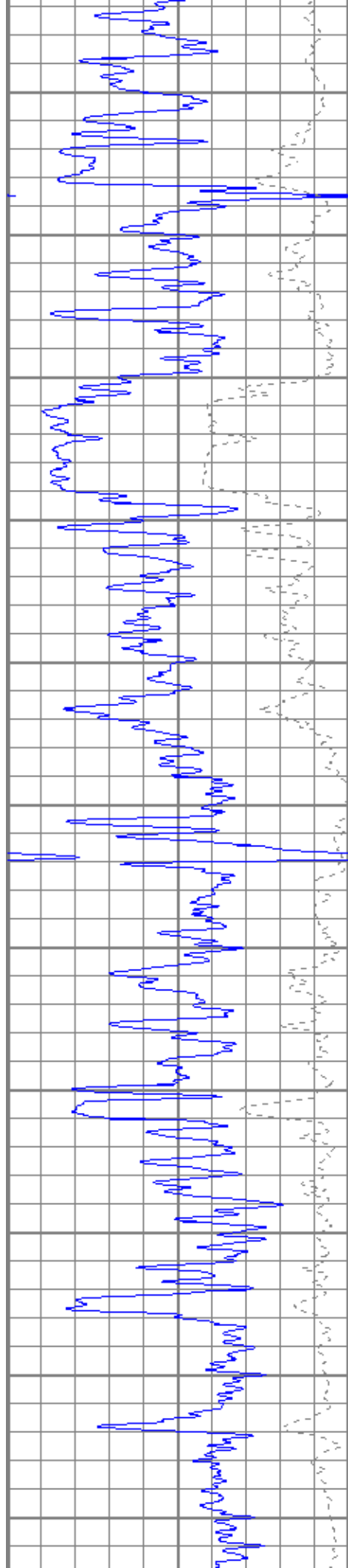
Database File trocfj3oh.db
Dataset Pathname pass2.1
Presentation Format kdillin2
Dataset Creation Mon Feb 13 06:02:42 2017
Charted by Depth in Feet scaled 1:600

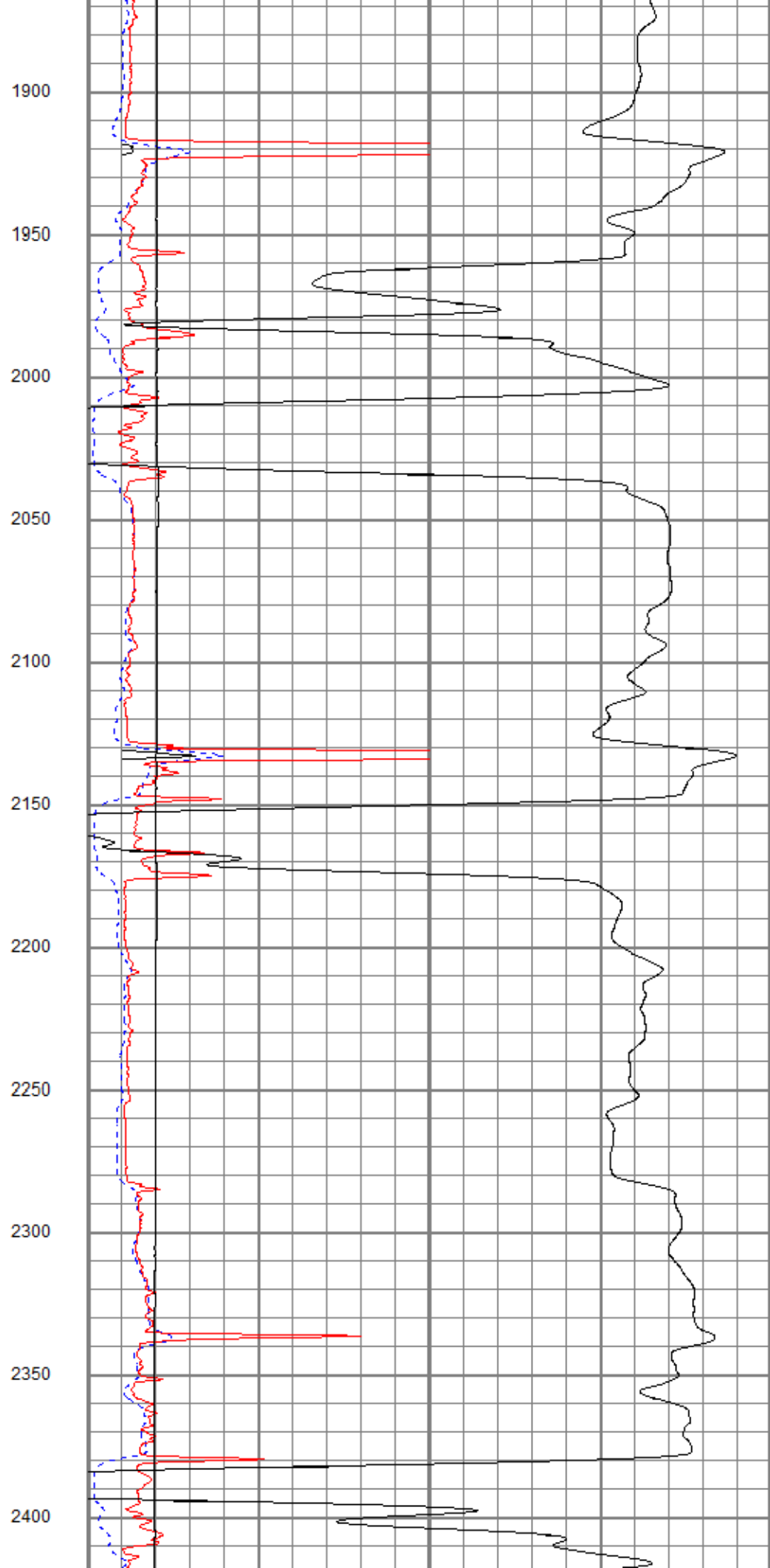
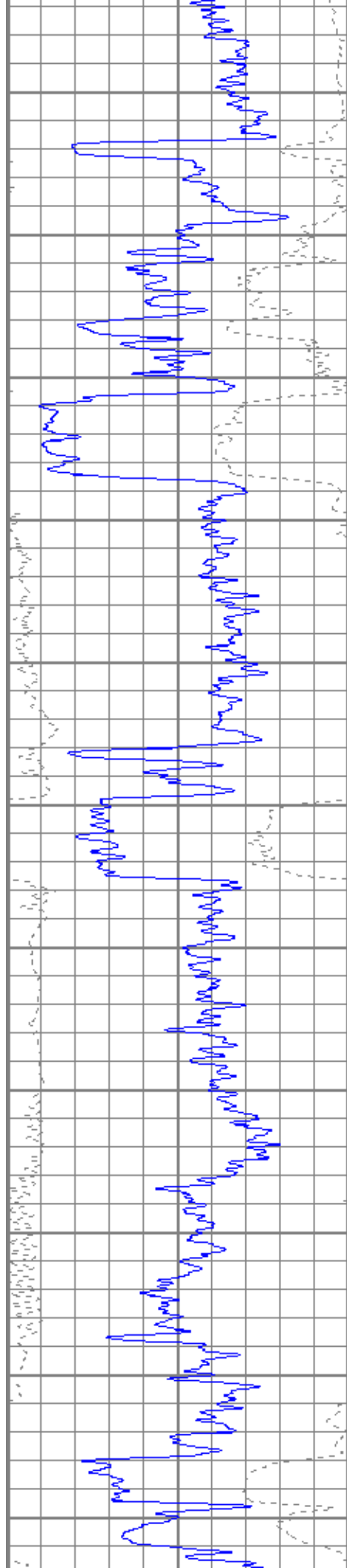
0	GR (GAPI)	150
-200	SP (mV)	0

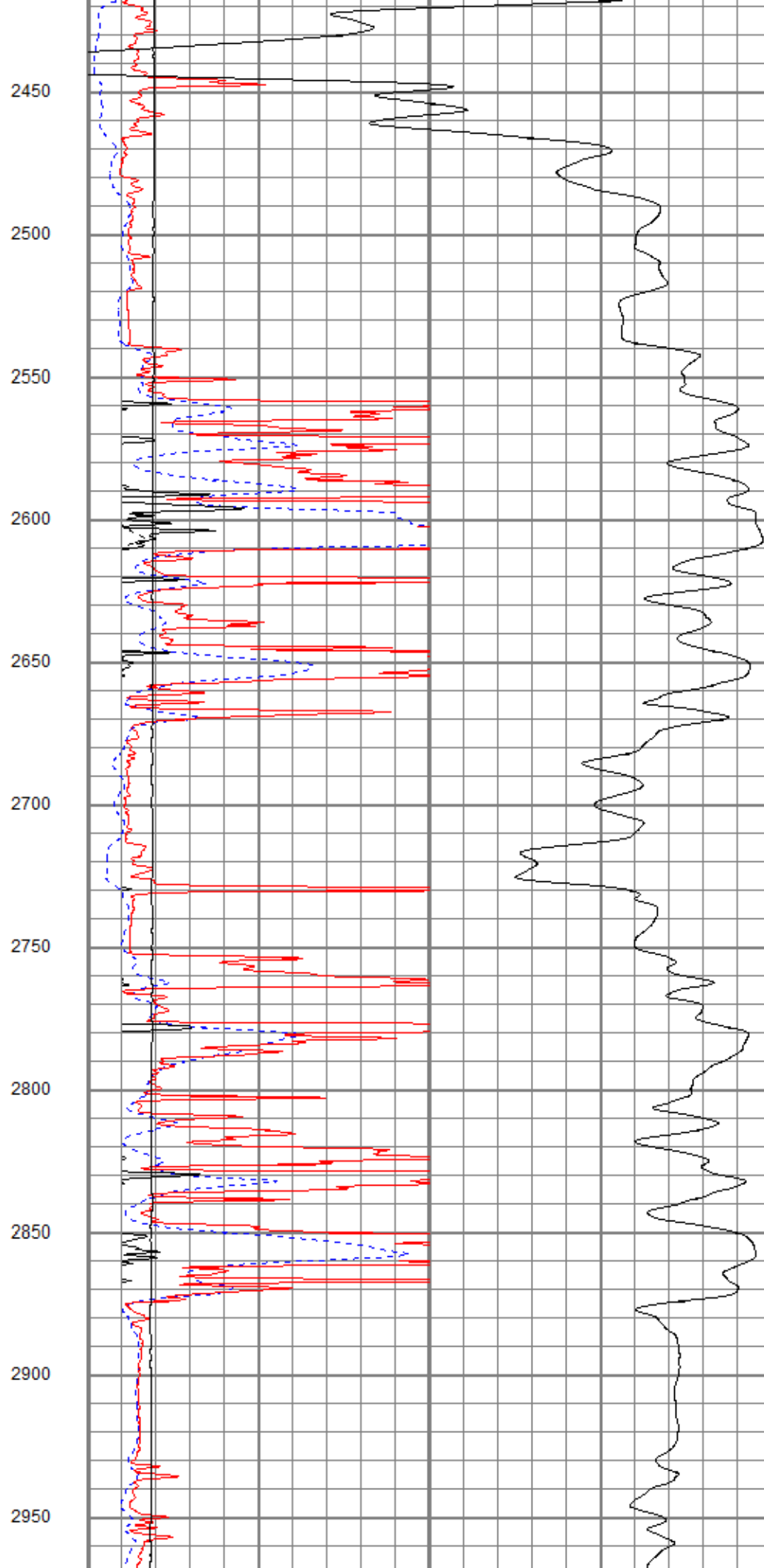
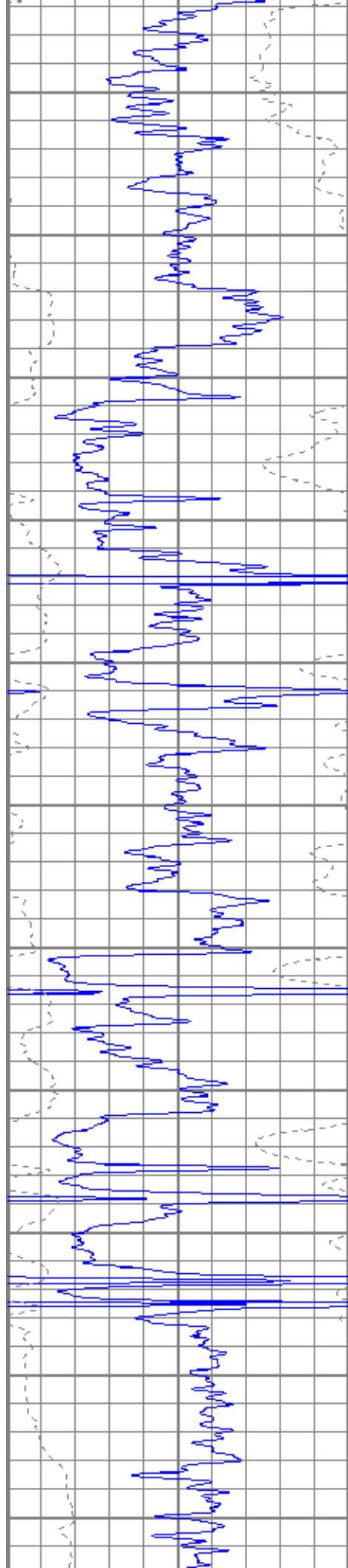
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

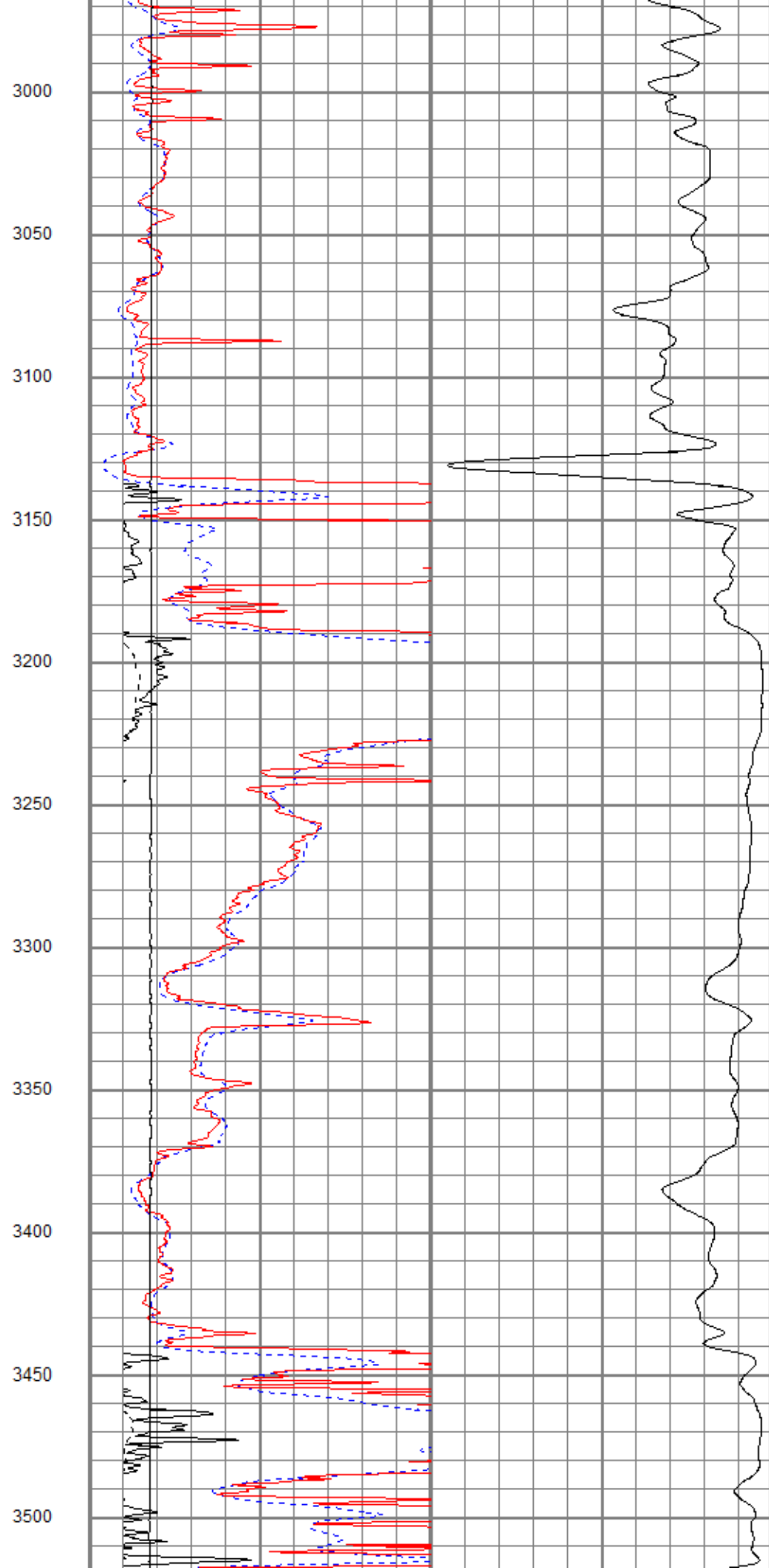
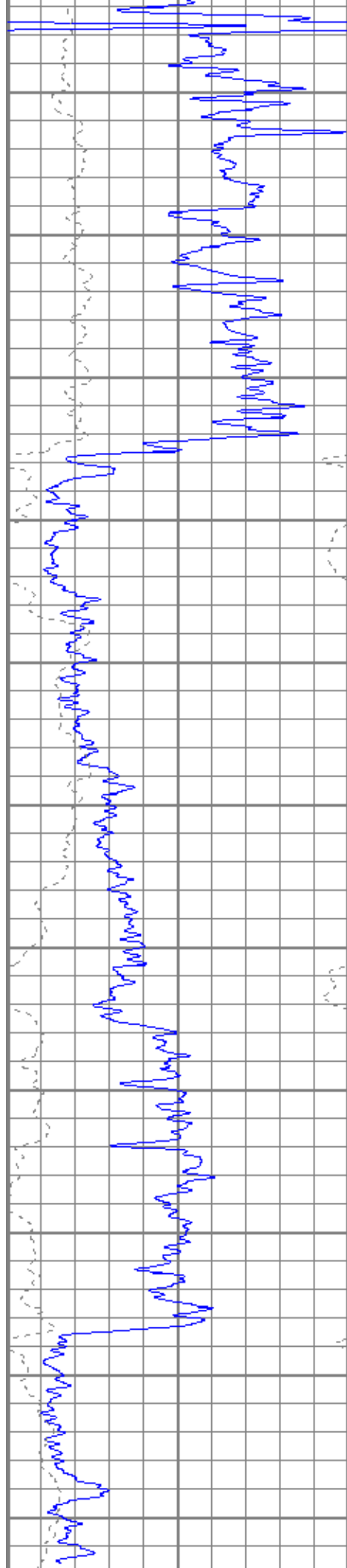


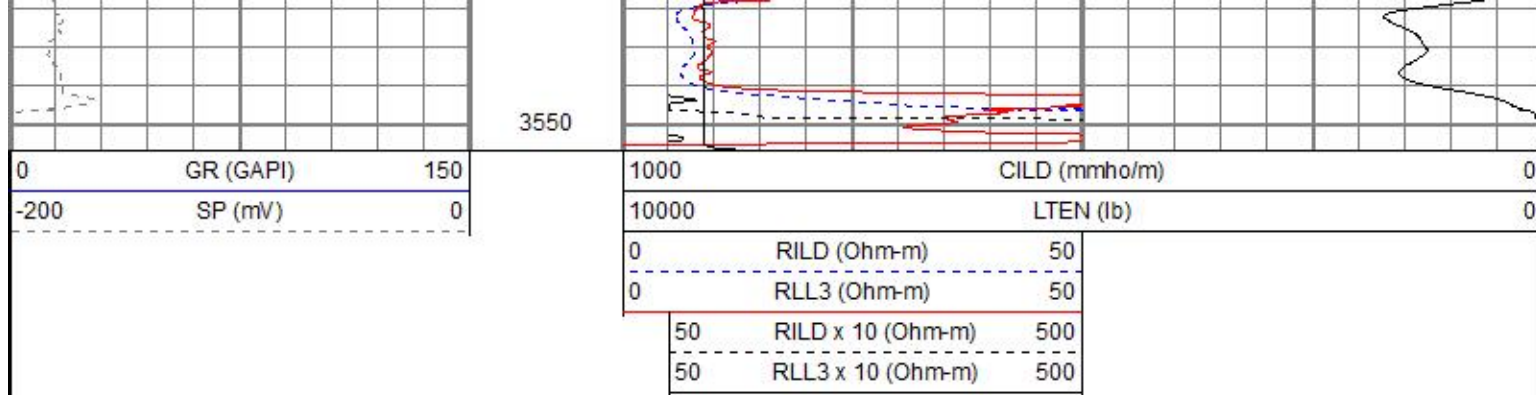








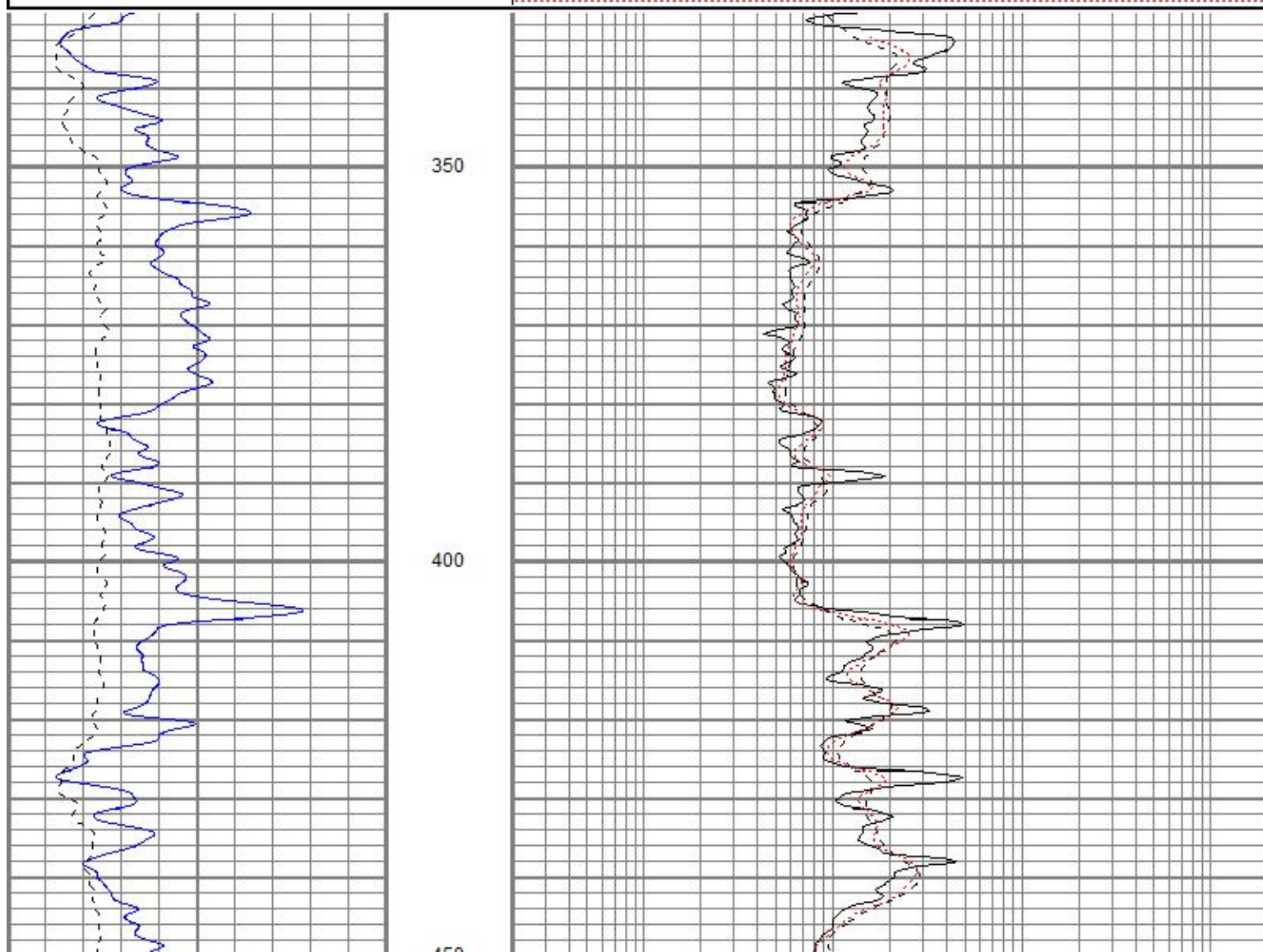




MAIN PASS

Database File troclj3oh.db
 Dataset Pathname pass2.1
 Presentation Format kdil
 Dataset Creation Mon Feb 13 06:02:42 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



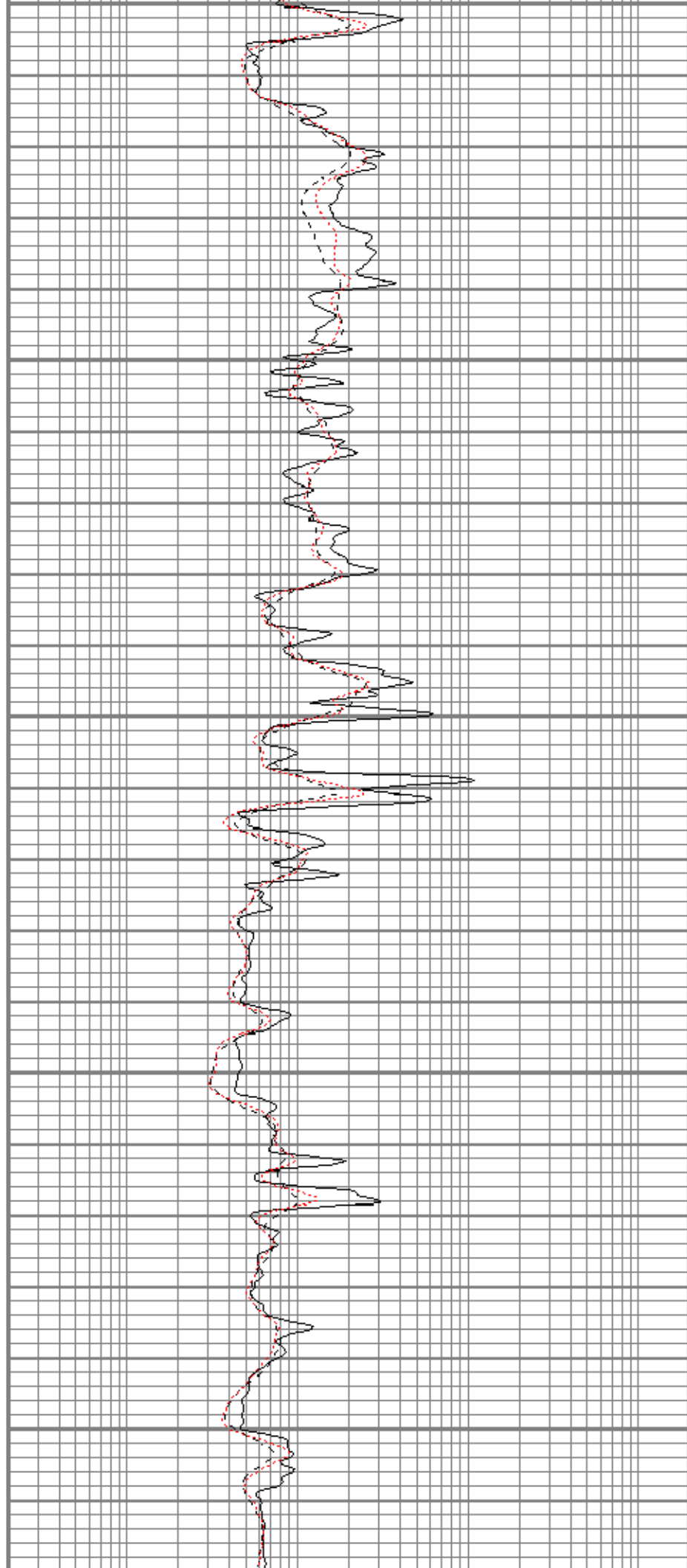
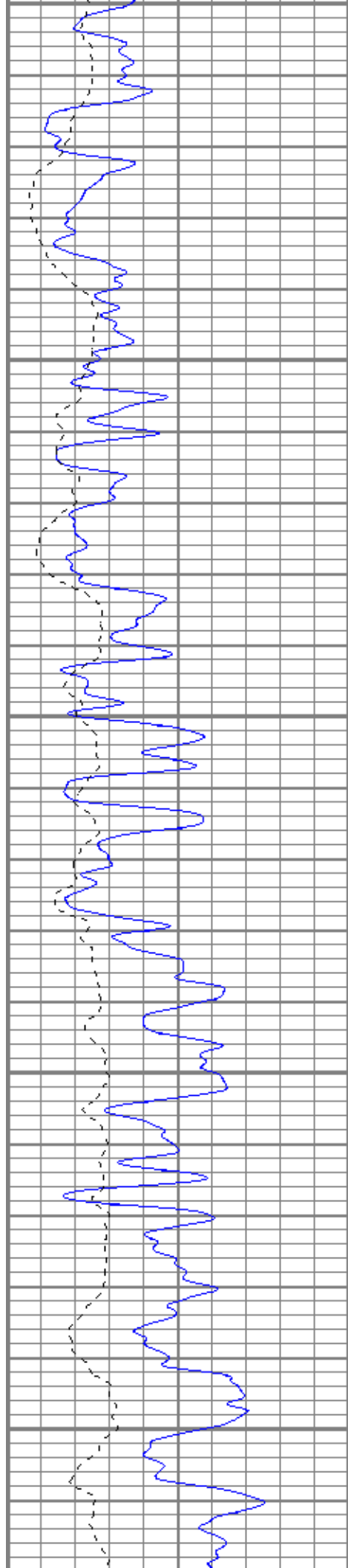
450

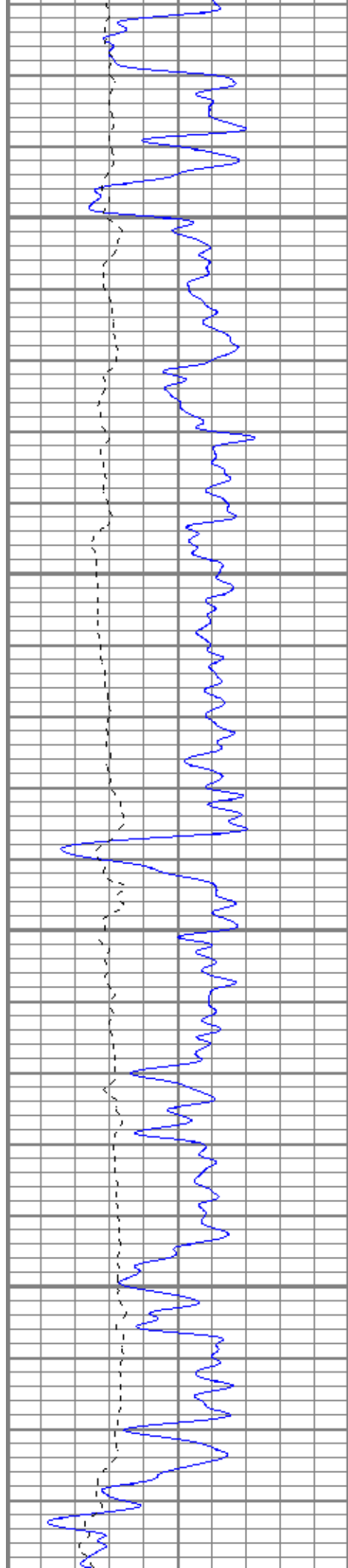
500

550

600

650



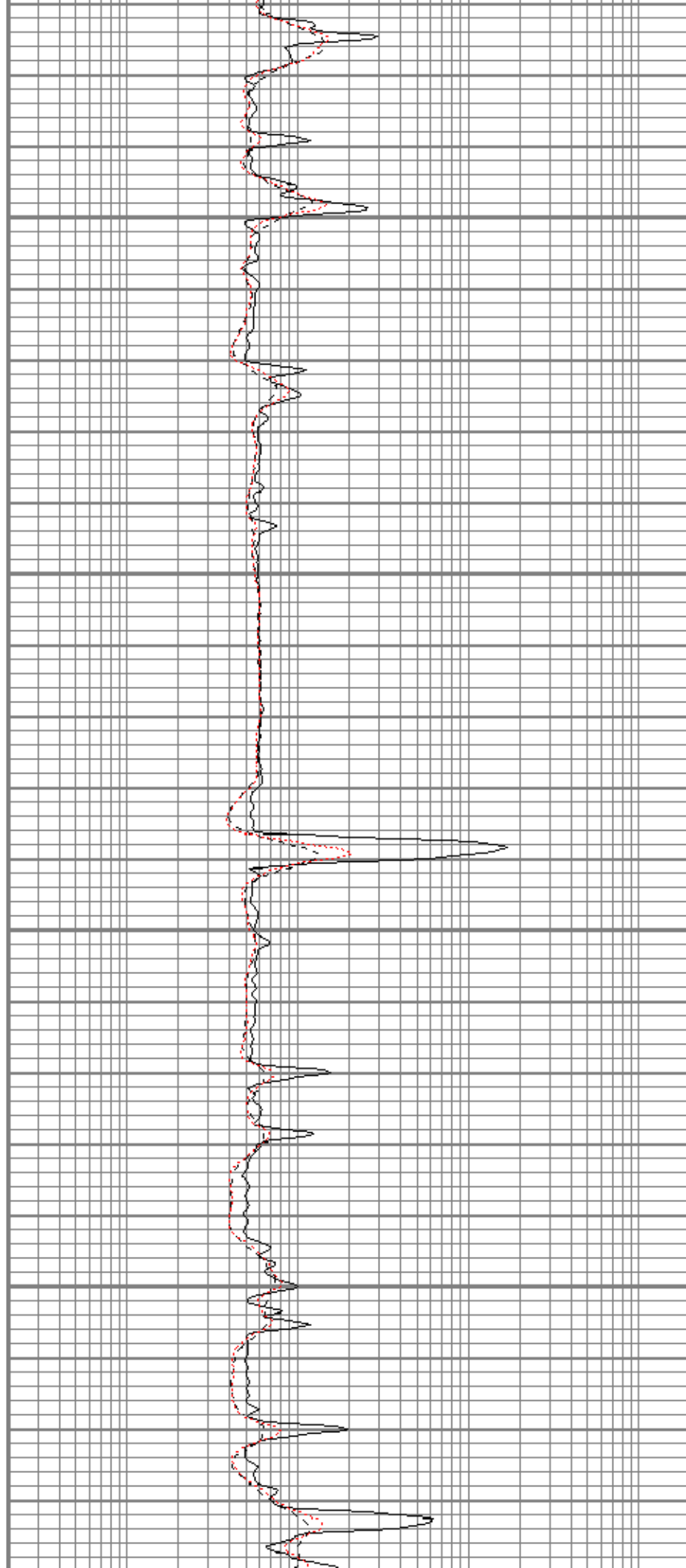


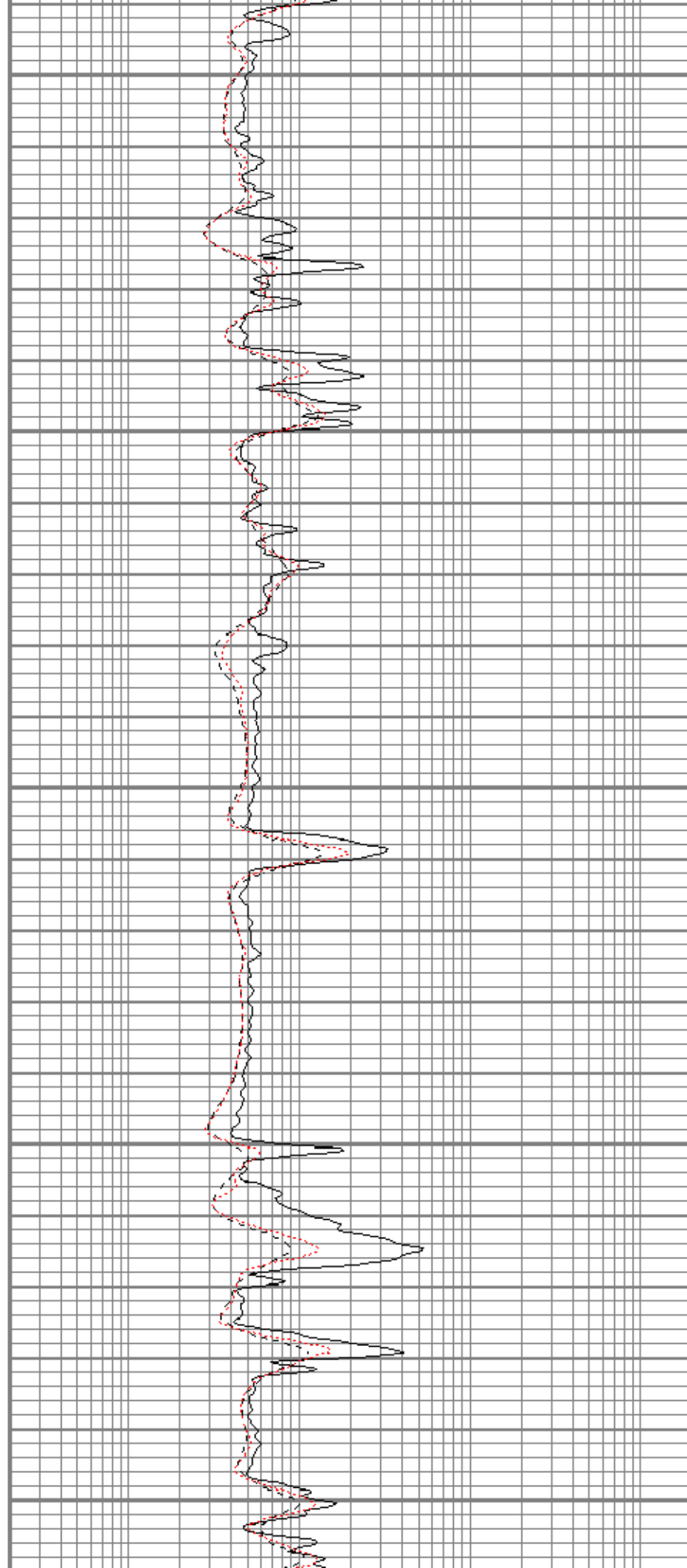
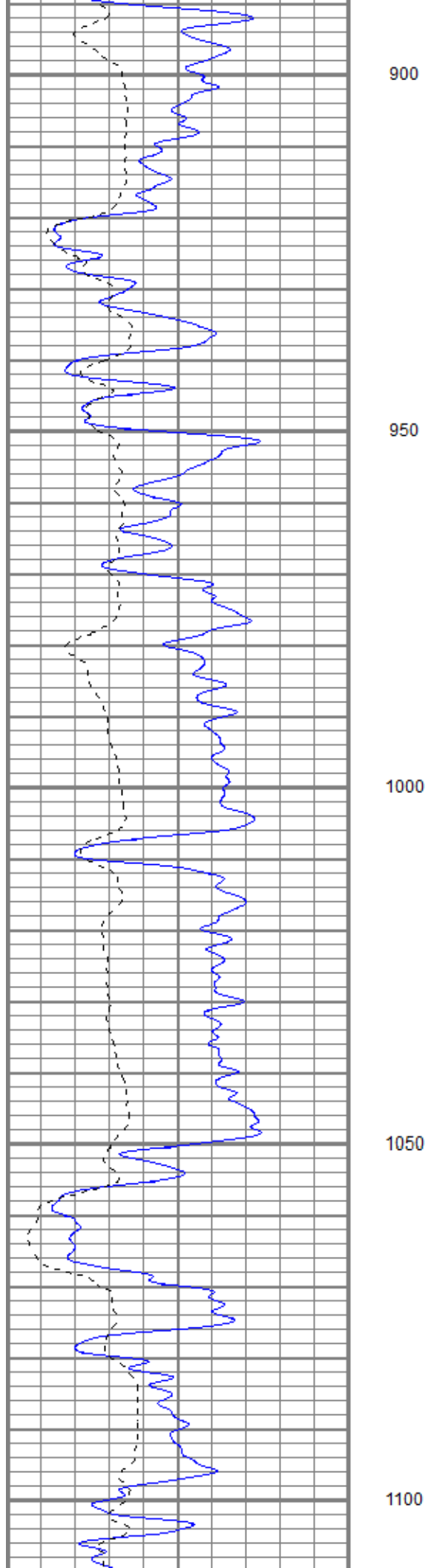
700

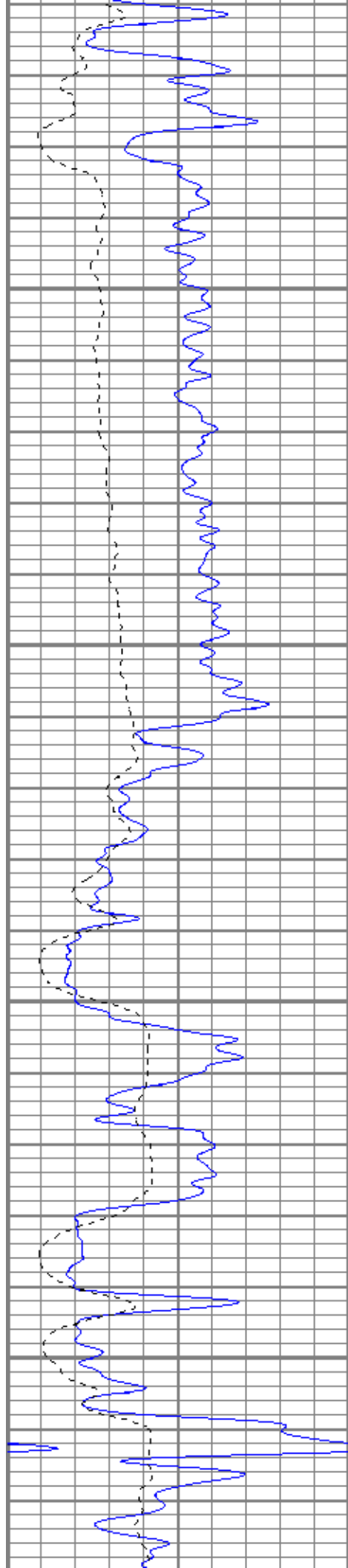
750

800

850





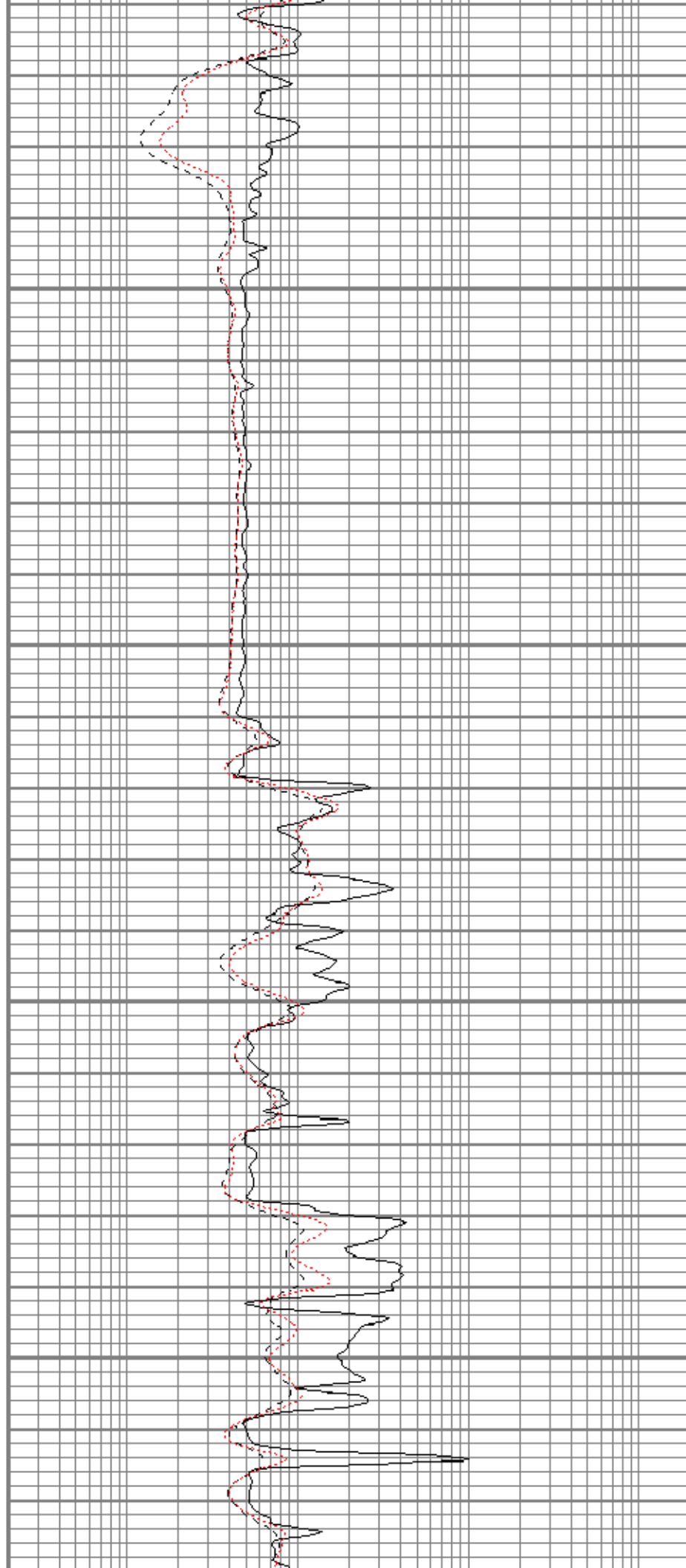


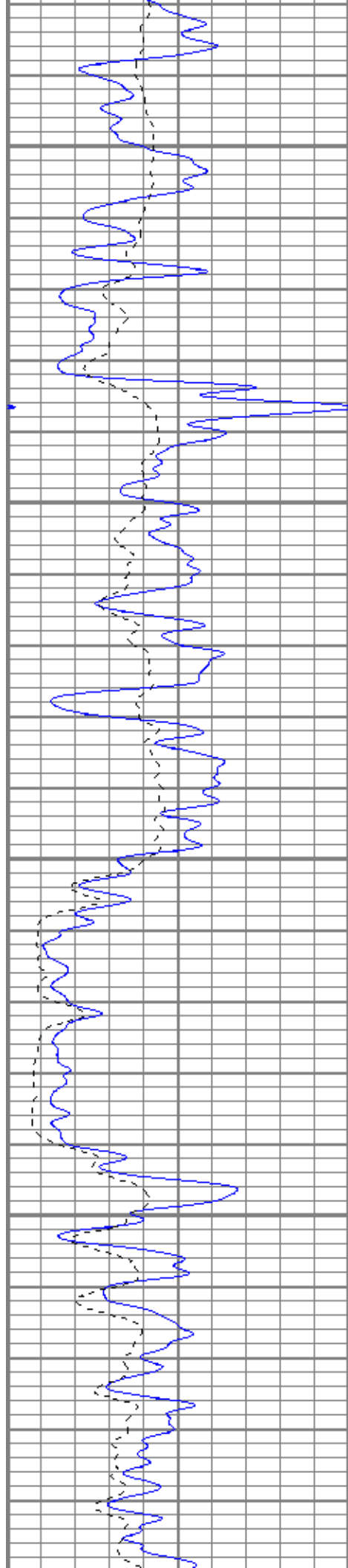
1150

1200

1250

1300





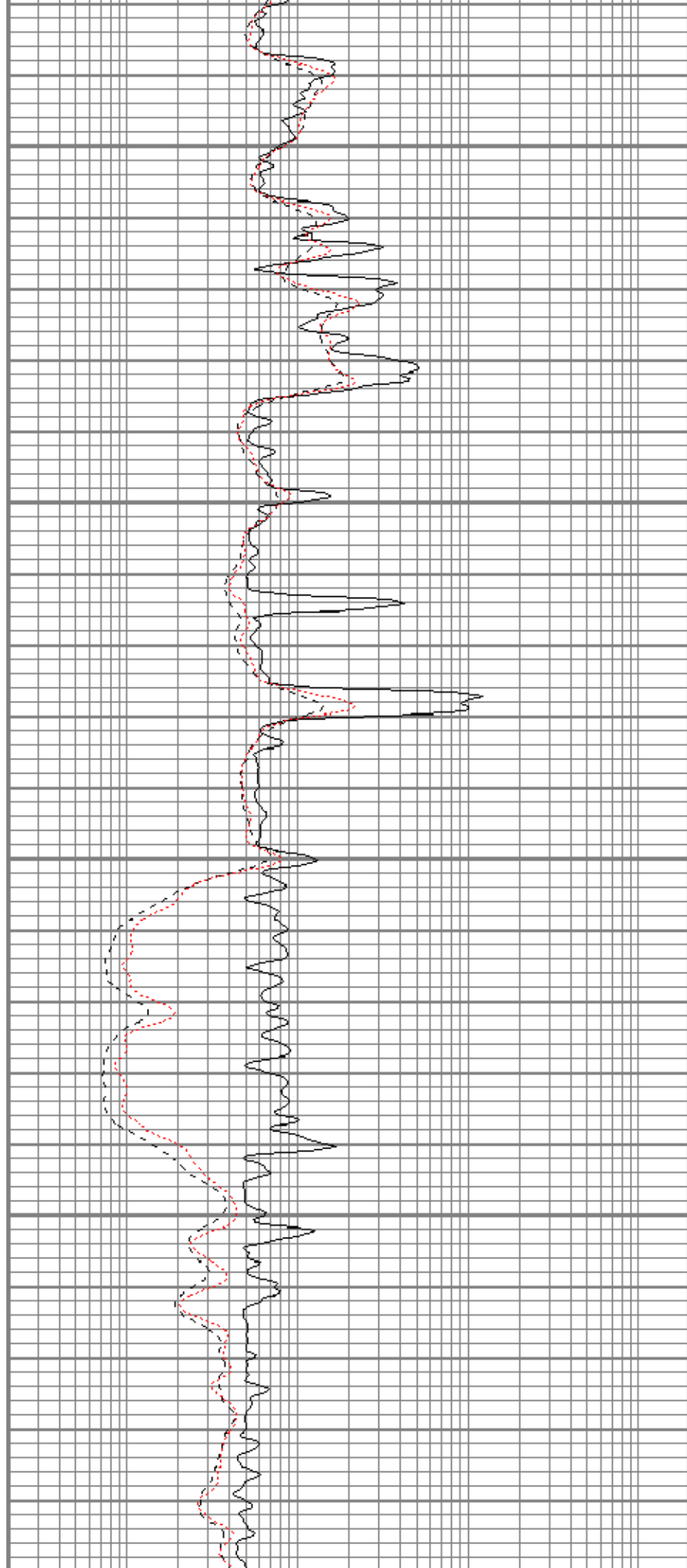
1350

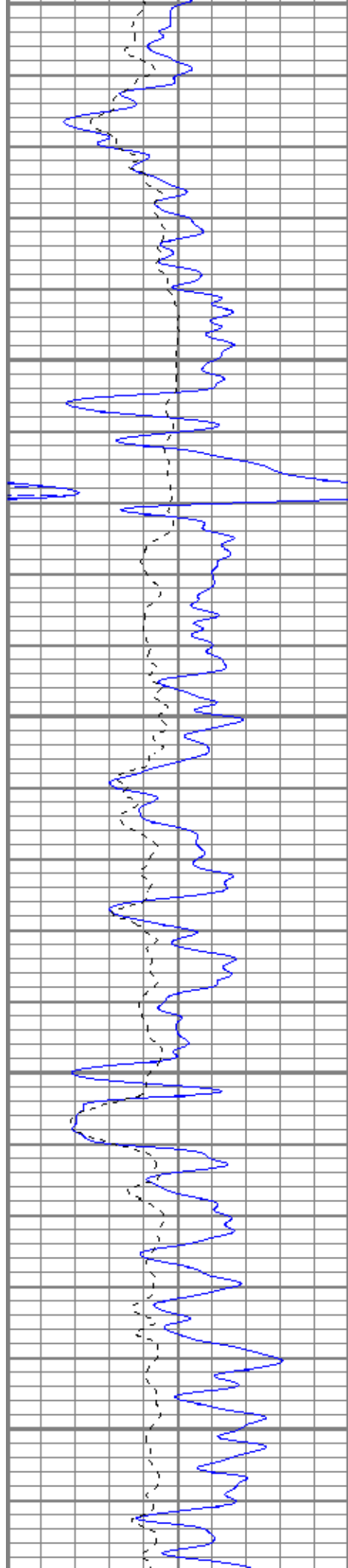
1400

1450

1500

1550





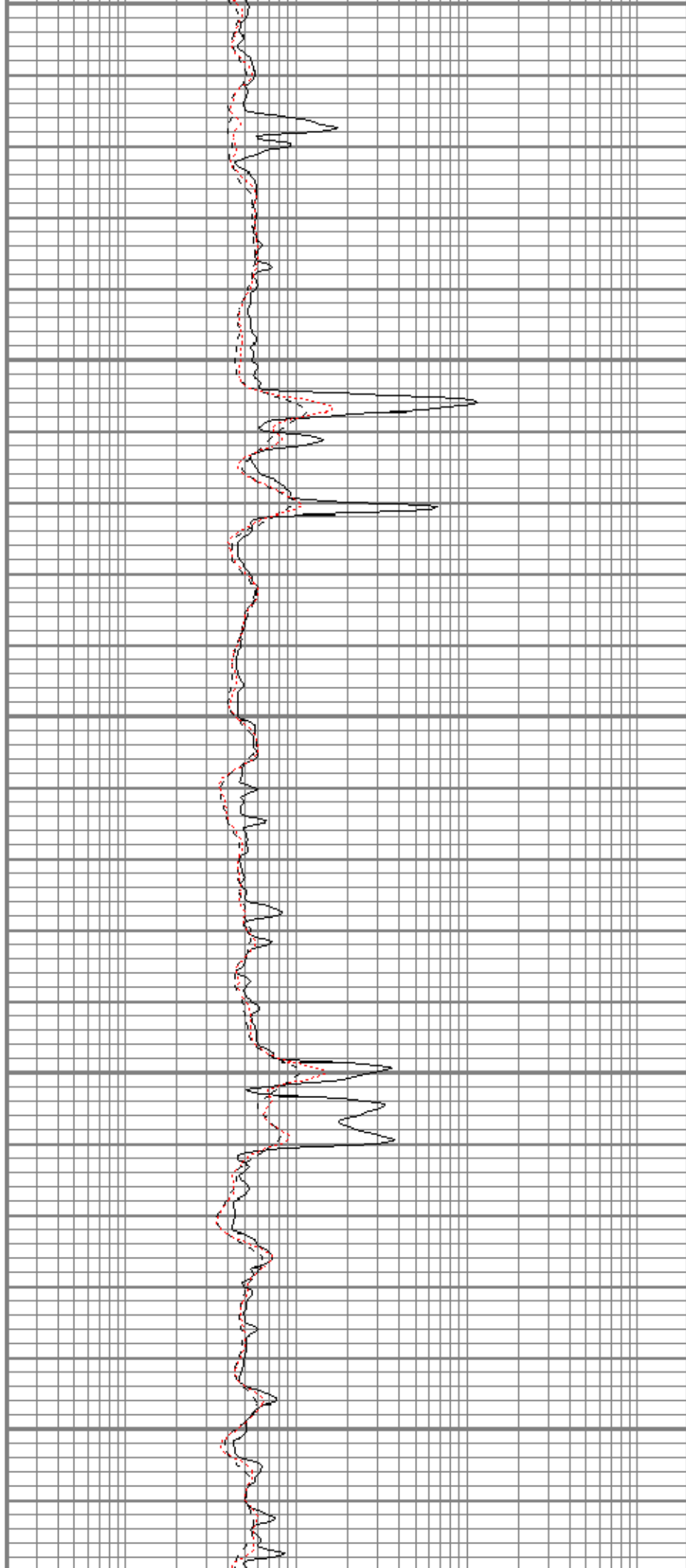
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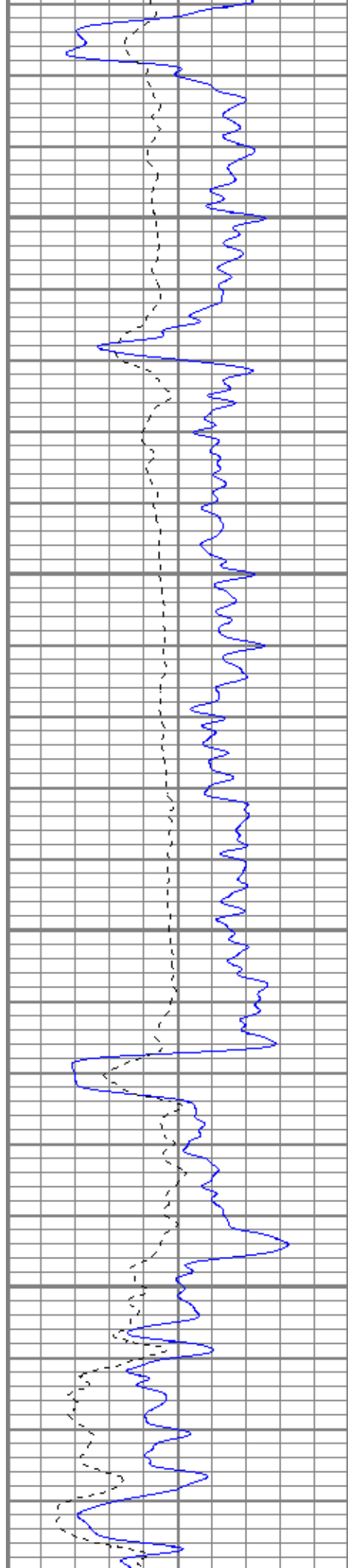
1600

1650

1700

1750



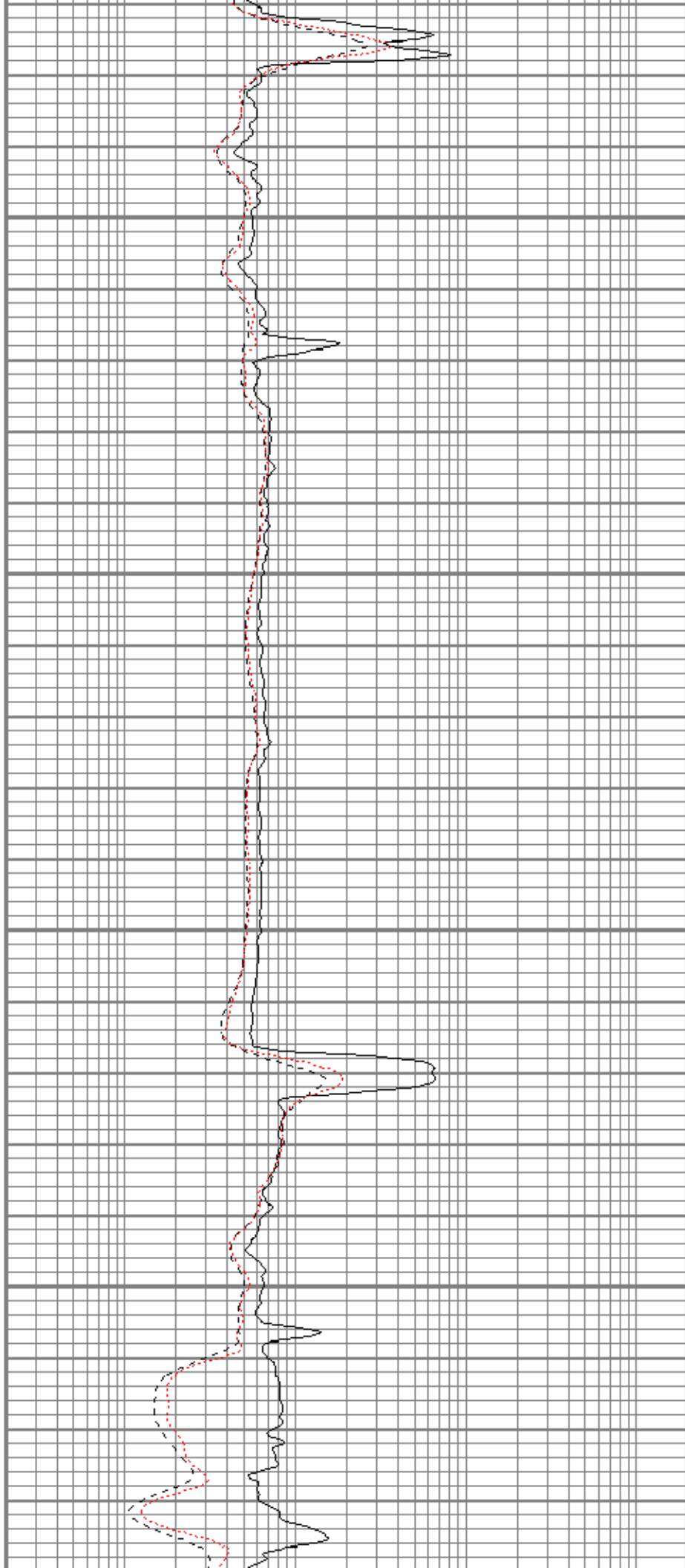


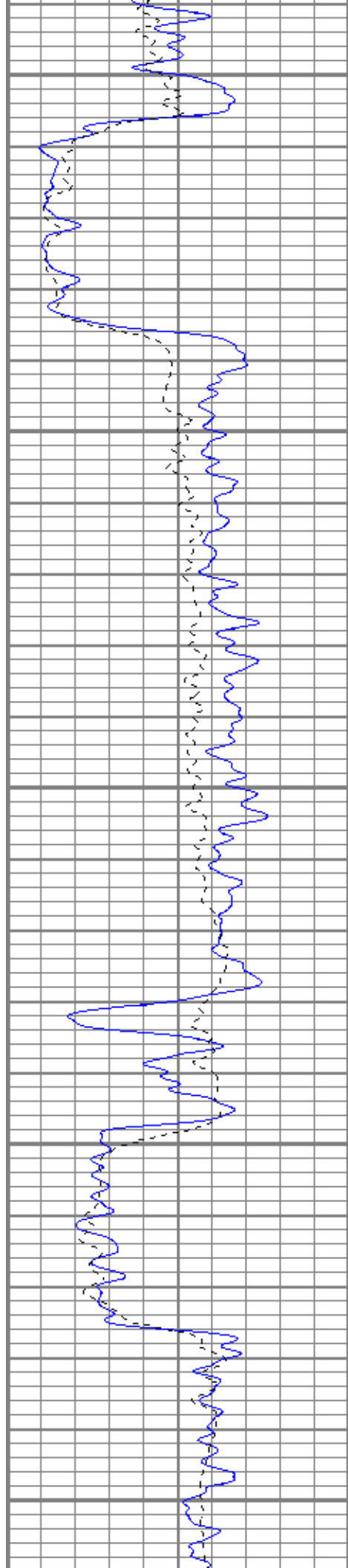
1800

1850

1900

1950





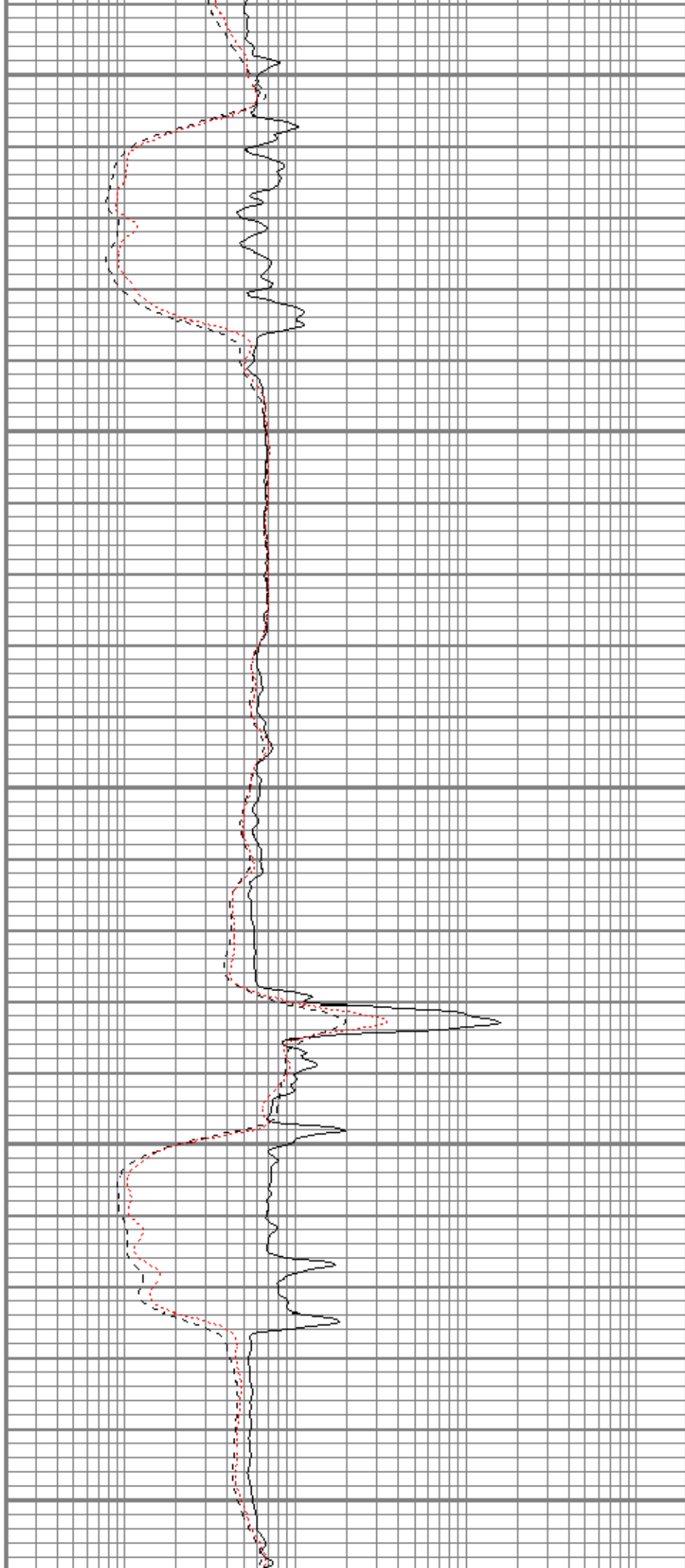
2000

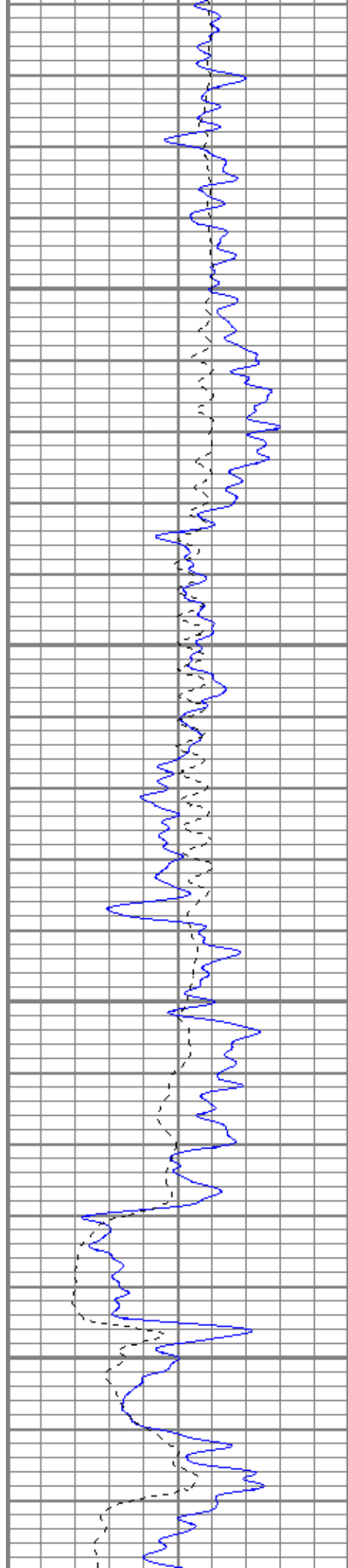
2050

2100

2150

2200





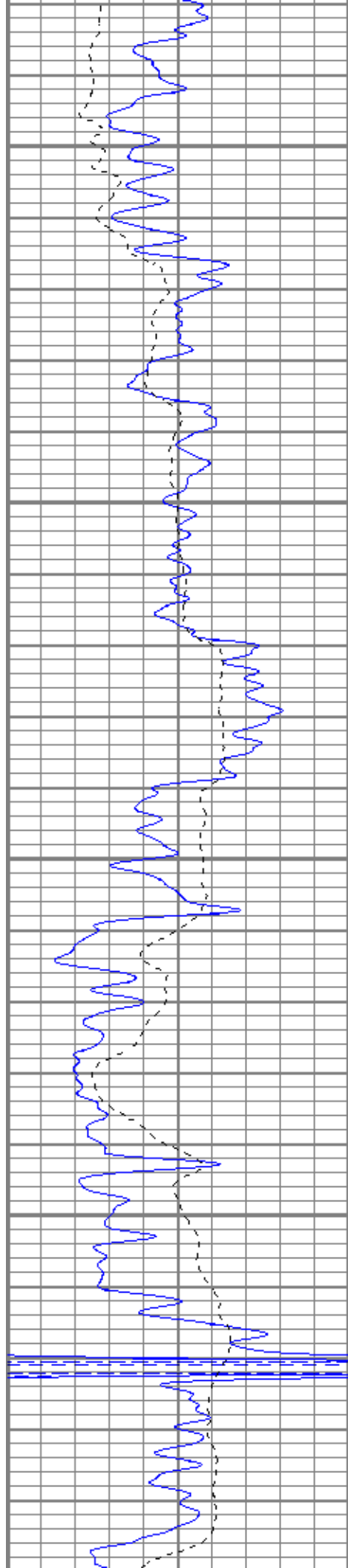
2250

2300

2350

2400





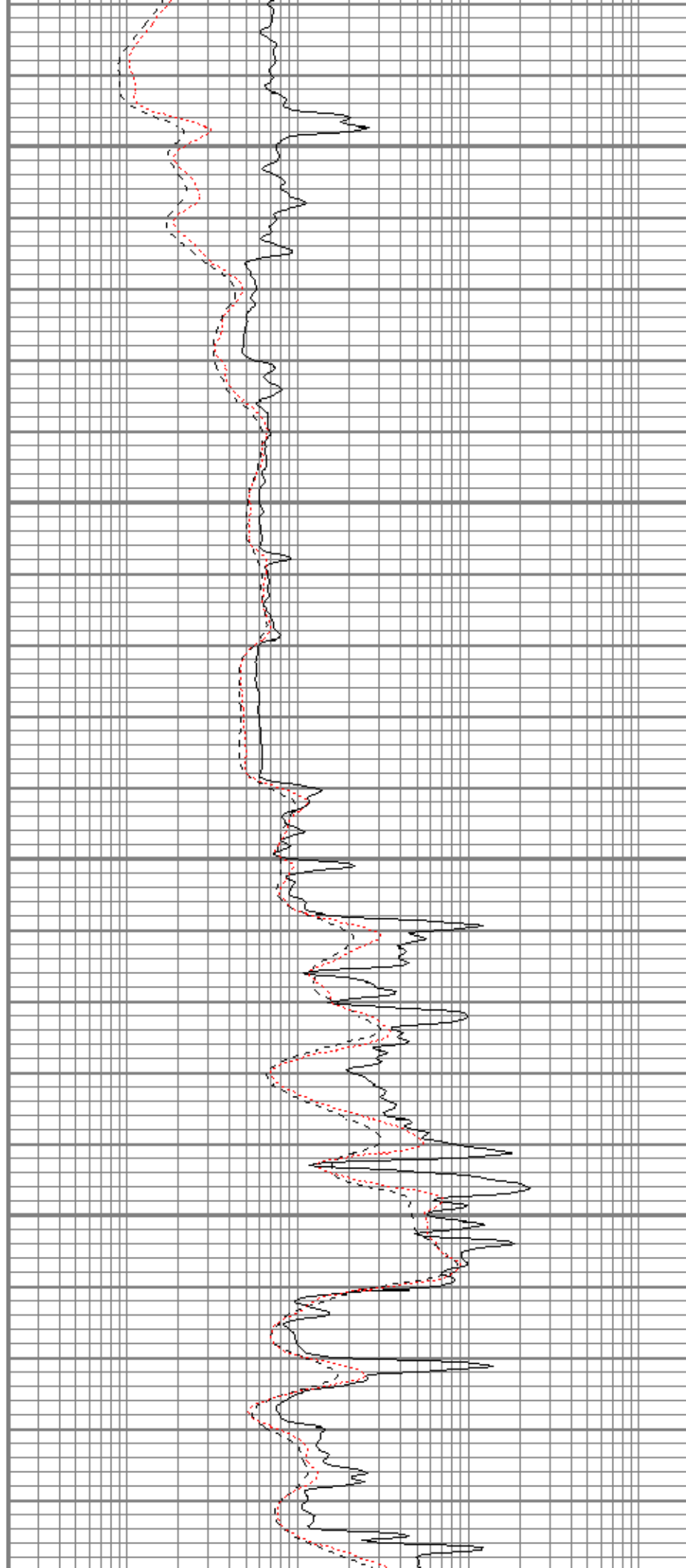
2450

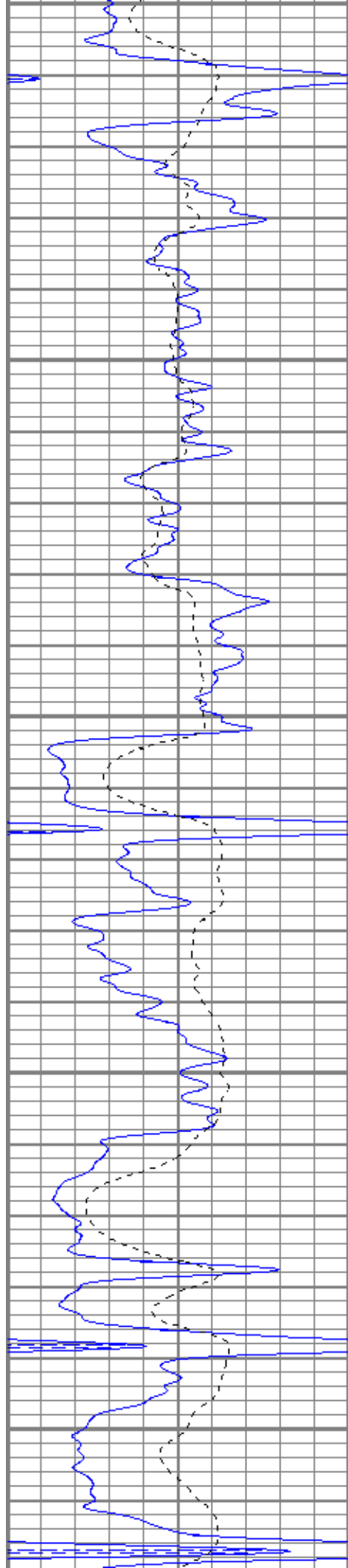
2500

2550

2600

2650





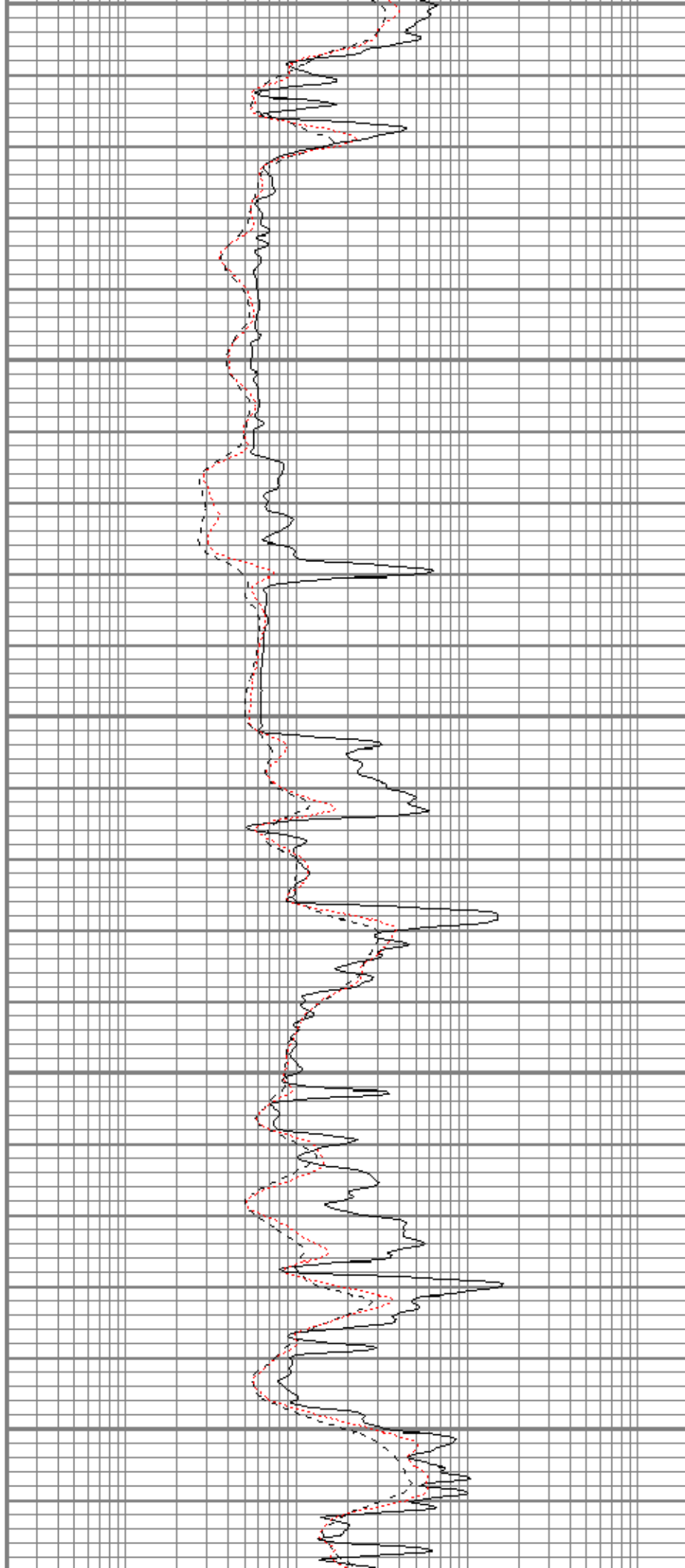
2650

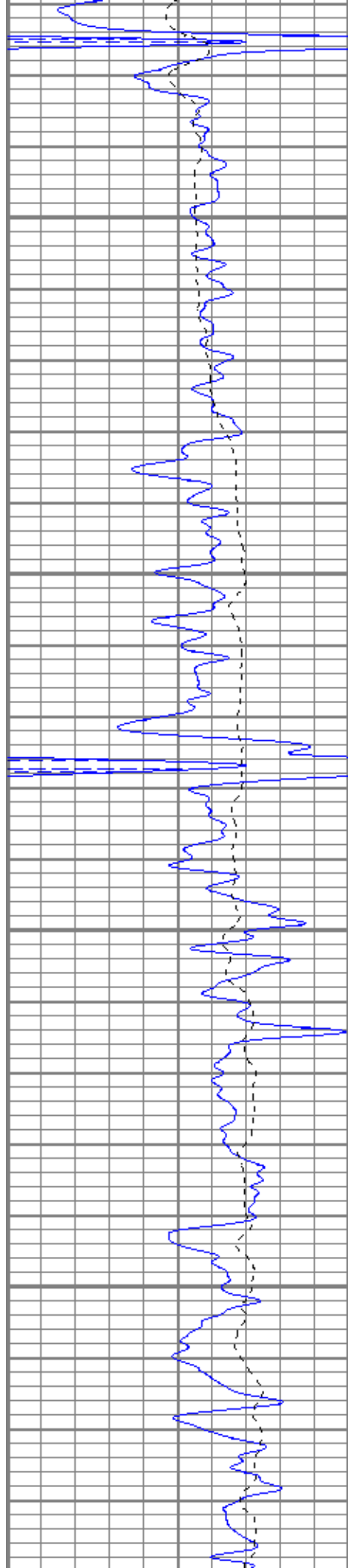
2700

2750

2800

2850



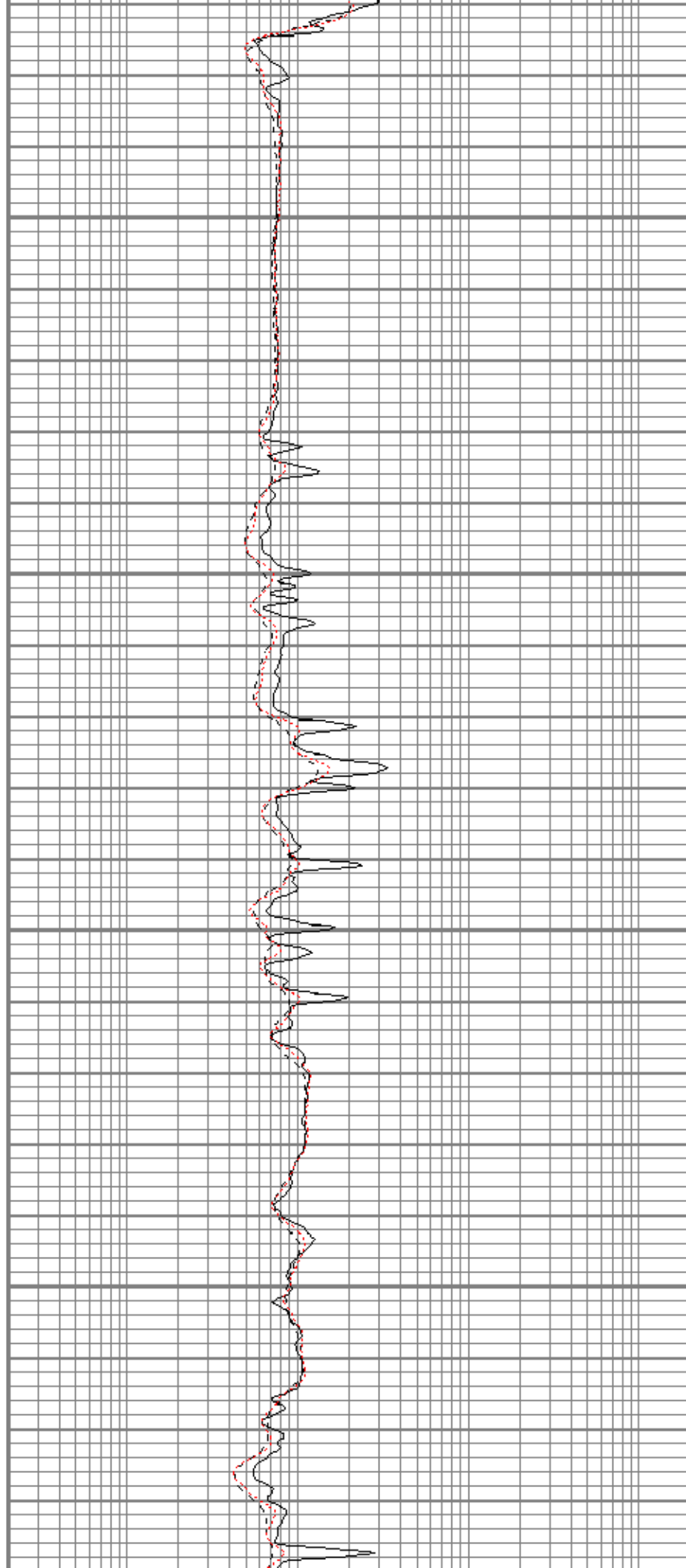


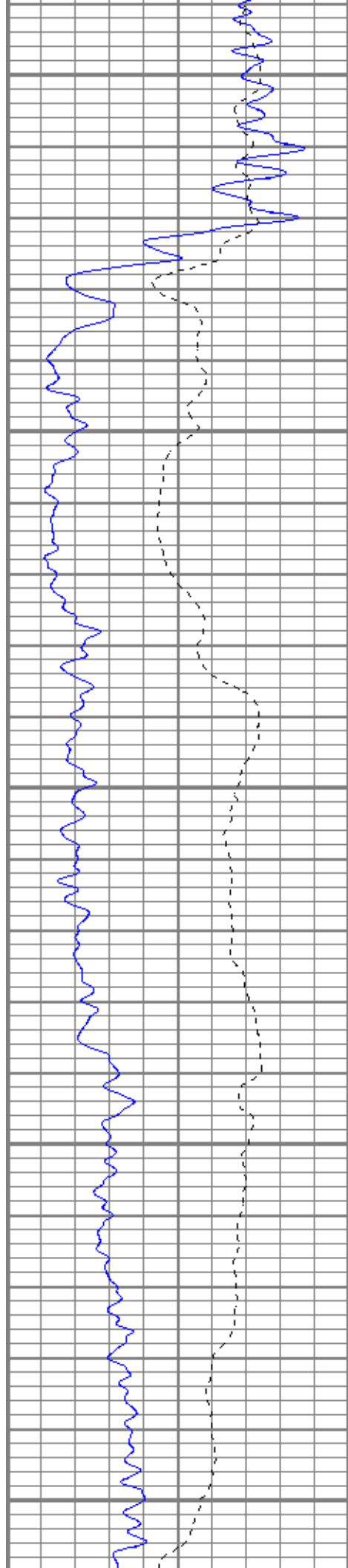
2900

2950

3000

3050





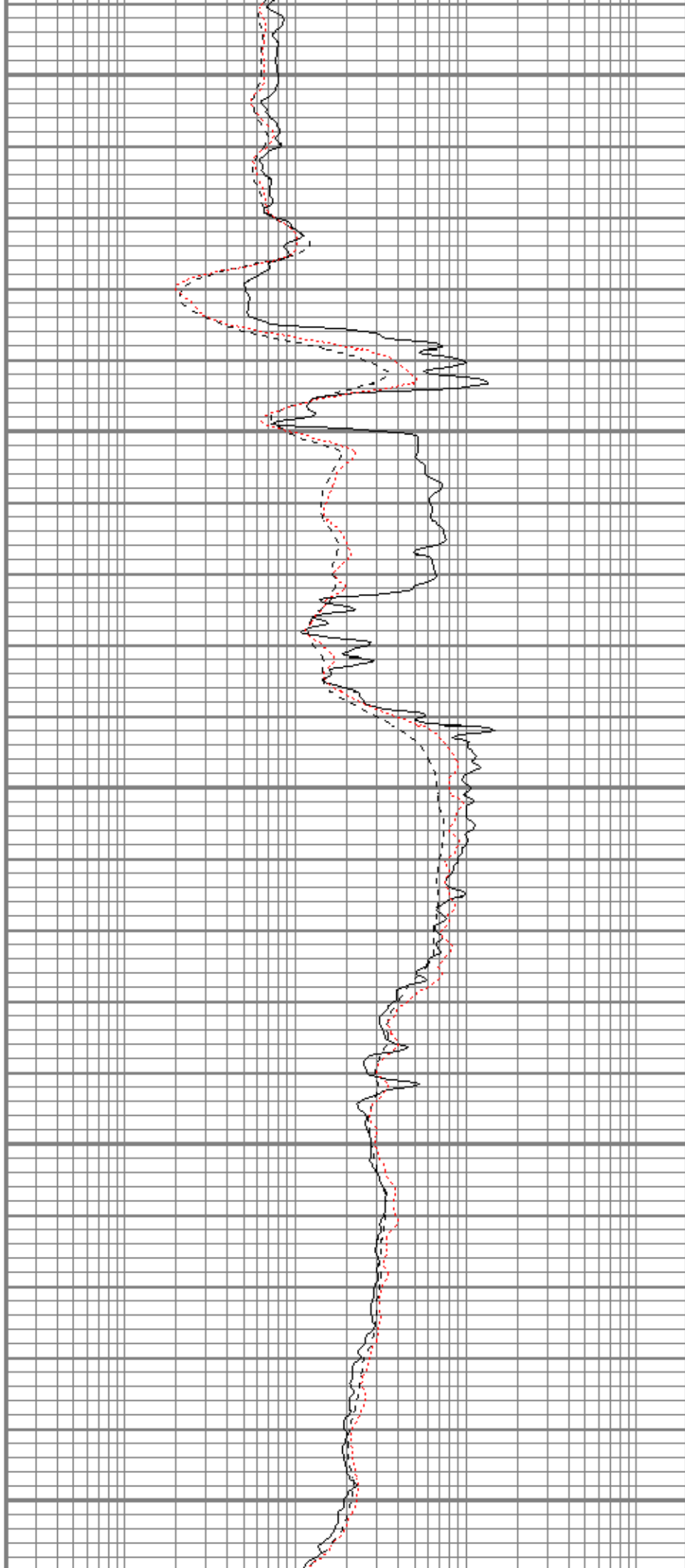
3100

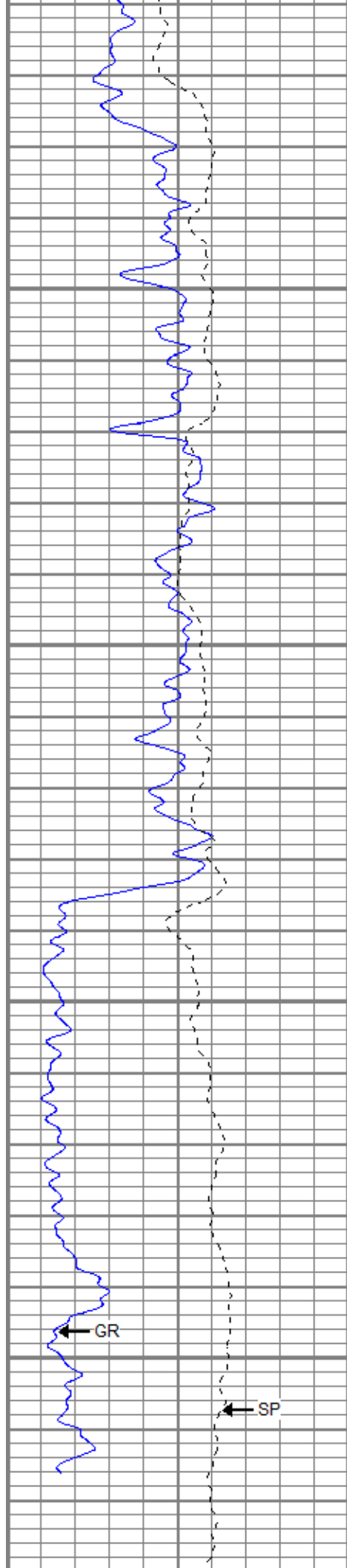
3150

3200

3250

3300



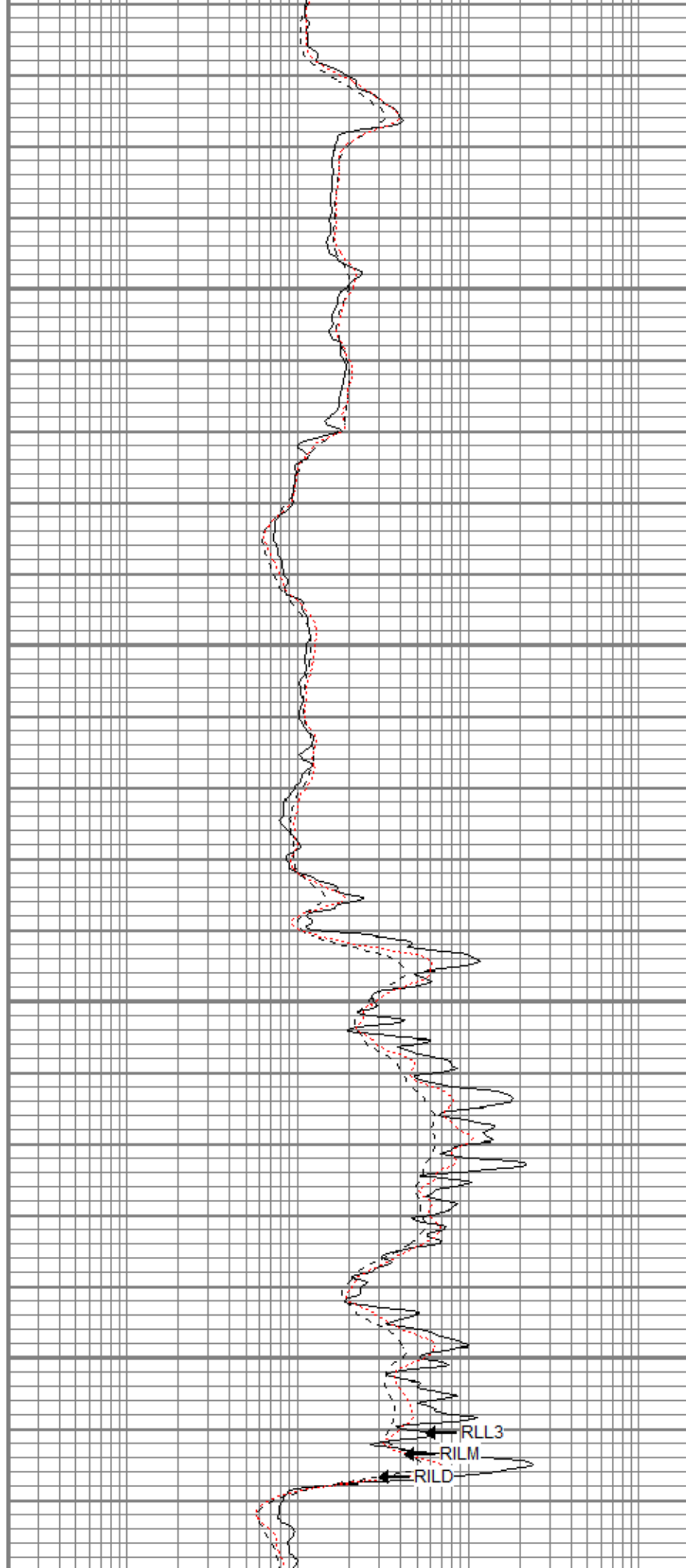


3350

3400

3450

3500



RLL3

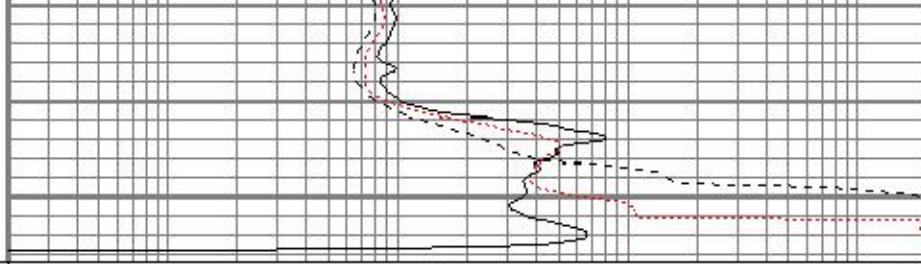
RILM

RILD



3550

0	GR (GAPI)	150
-100	SP (mV)	100



0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

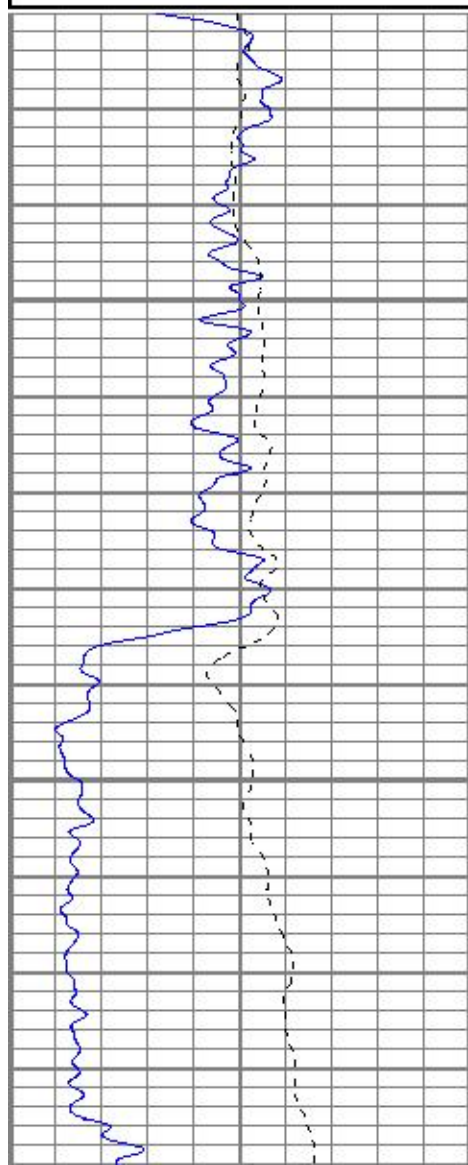


REPEAT PASS

Database File troclj3oh.db
 Dataset Pathname pass1.1
 Presentation Format kdil
 Dataset Creation Mon Feb 13 06:11:51 2017
 Charted by Depth in Feet scaled 1:240

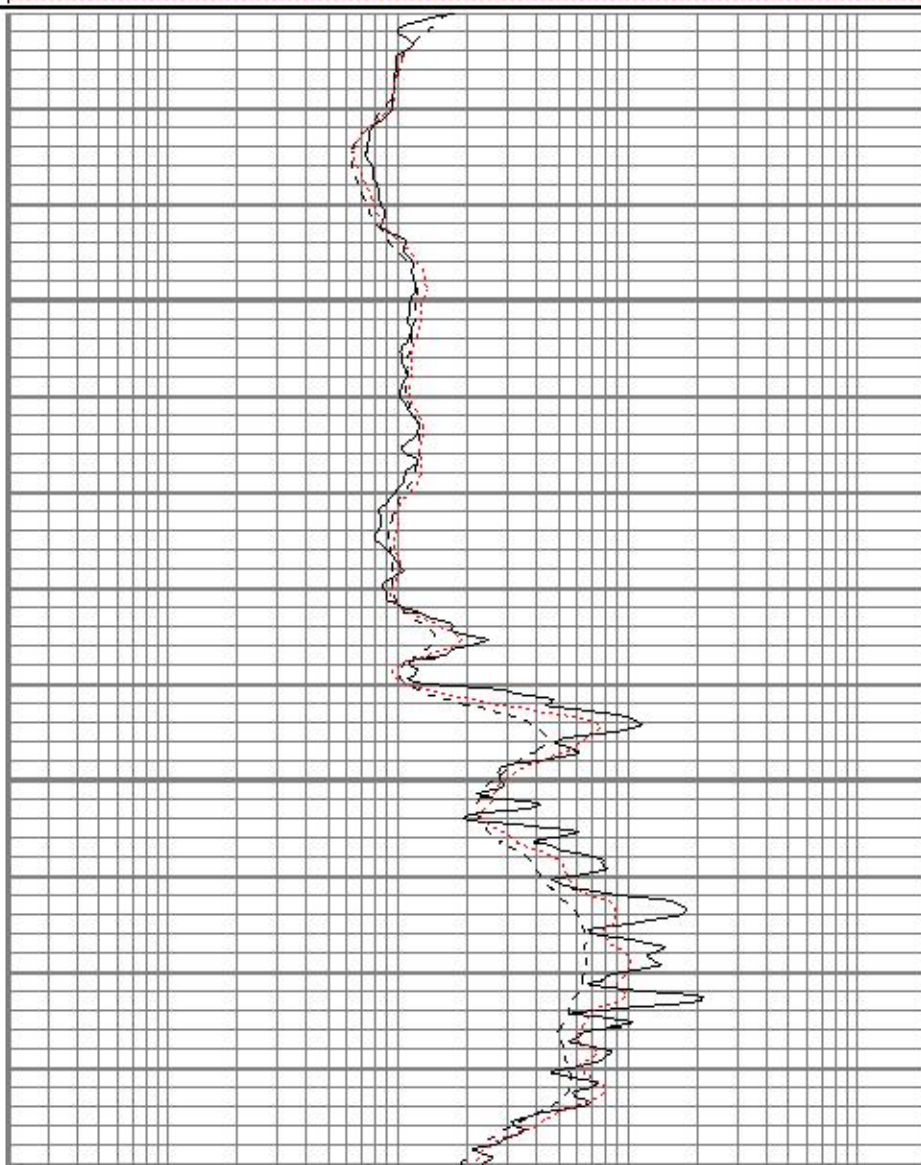
0	GR (GAPI)	150
-100	SP (mV)	100

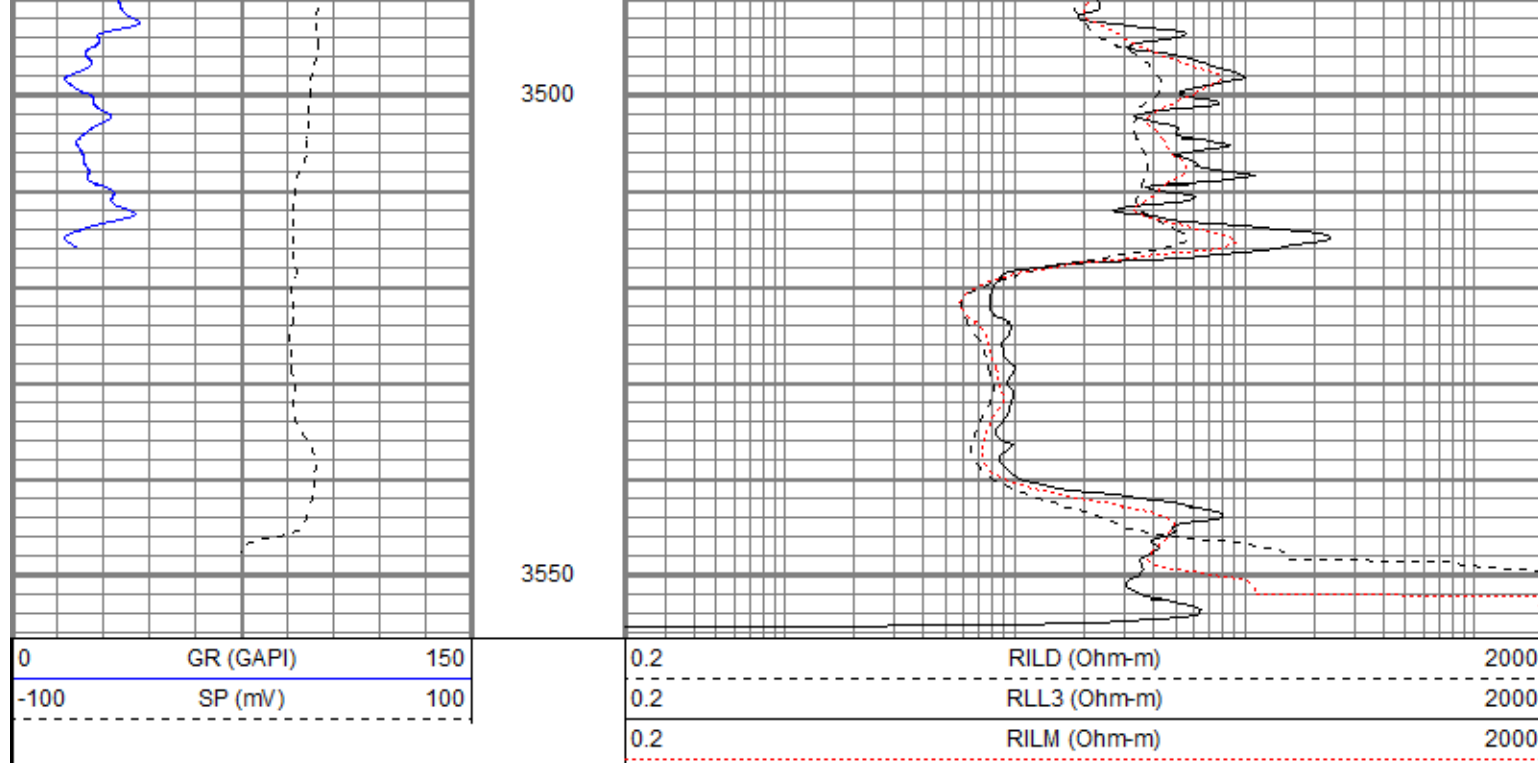
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



3400

3450





Calibration Report		
Database File	troclj3oh.db	
Dataset Pathname	pass2.1	
Dataset Creation	Mon Feb 13 06:02:42 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			Results	
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			Results	
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	-2.046

After Survey Verification								
Readings				Targets			Results	
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

Neutron Calibration Report

Serial Number: Admyr
 Tool Model: G
 Performed: Fri Dec 09 04:18:49 2016

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Gamma Ray Calibration Report

Serial Number: 1
 Tool Model: A
 Performed: Sun Dec 11 17:01:48 2016

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps

Temperature Calibration Report

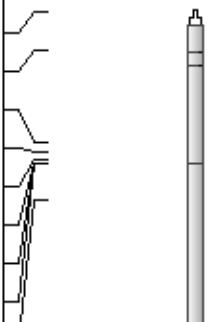
Serial Number: 1
 Tool Model: A
 Performed: Sat Apr 09 21:14:20 2016

	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: Fri Dec 09 04:18:36 2016

	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)
PSTAT	39.60		CHD-STD	0.50	1.69	1.00
GR	38.32		ADT1PULSE-A (1) Pulsed Interface Tool #1	0.83	3.50	10.00
TEMP	35.35		ADT1ADC-A (1) Analog Interface #1	0.83	3.50	10.00
ASTAT	35.06		ADT1SENSORS-A (1)	4.54	3.50	10.00
GRD	34.81		NEU-G (Admyr) Gearhart Epithermal	5.65	3.50	85.00
ACCY	34.65					
ACCX	34.65					
SSTAT	34.65					

NEU	33.46		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
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	Dataset:	troclfj3oh.db: field/well/run1/pass2.1			
RLL3	1.70	Total length:	39.69 ft			
TR_Mon	0.00	Total weight:	656.00 lb			
		O.D.:	4.00 in			