

Company		Pioneer Natural Resources	
Well		Pointer 43-25	
Field		Purgatoire River	
County		Las Animas	
State		Colorado	
Location:		APL # : 05 071 09766 00	
SEC 25 TWP 32S RGE 67W		CDNL	
Permanent Datum Log Measured From		Ground Level Elevation 7412'	
Drilling Measured From		Kelly Bushing 4' AGL Kelly Bushing	
Date		8-23-11	
Run Number		One	
Depth Driller		2480'	
Depth Logger		2472'	
Bottom Logged Interval		2470'	
Top Log Interval		Surface Casing	
Casing Driller		8 5/8" @ 264"	
Casing Logger		263'	
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		3:30 P.M.	
Time Logger on Bottom		8:15 P.M.	
Maximum Recorded Temperature		97 DEG F	
Equipment Number		T590	
Location		Trinidad	
Recorded By		C. Sisneros	
Witnessed By		Mr. Billy Vigil	

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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.

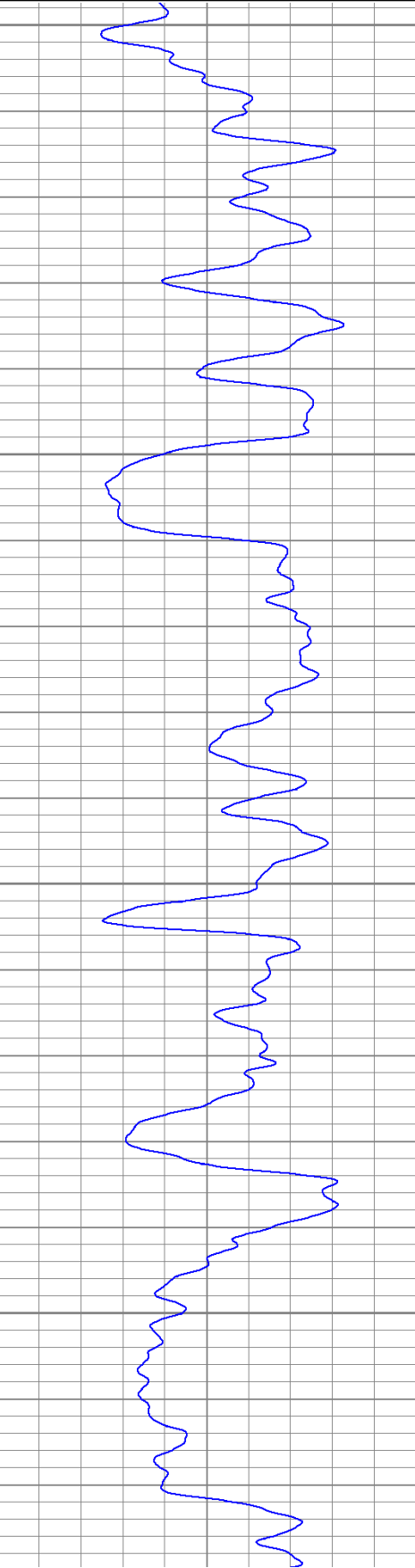
### Comments

Directions:  
Sarcillo to turn off to Sakariason tract, go right, third left after cattlegaurd, go thru gate, at Y go right end on location.

Database File: pointer.db  
Dataset Pathname: pass2  
Presentation Format: iel  
Dataset Creation: Tue Aug 23 21:38:34 2011 by Calc Open-Cased 110302  
Charted by: Depth in Feet scaled 1:240

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

0.2 DIR (Ohm-m) 2000  
0.2 SN (Ohm-m) 2000

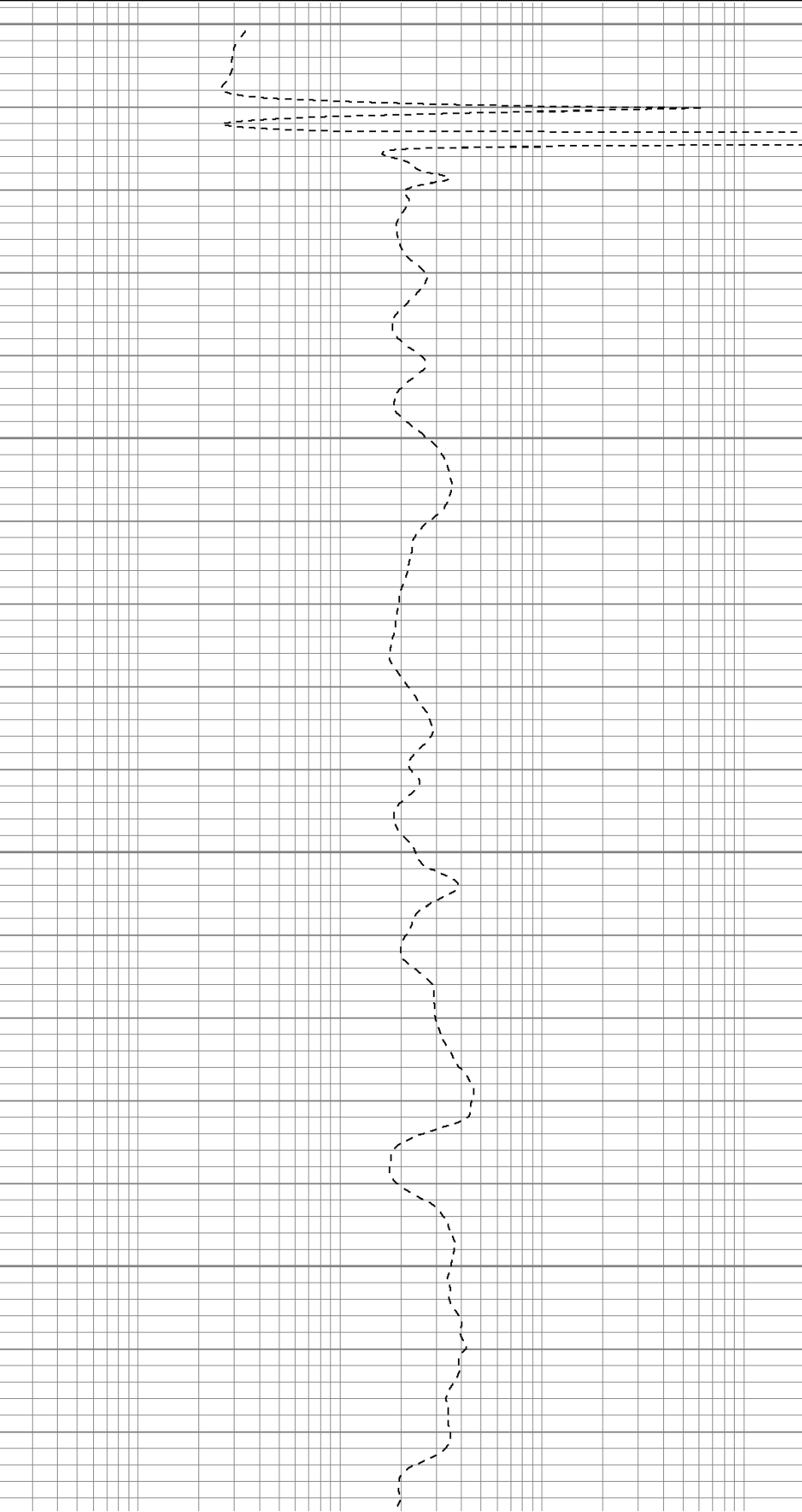


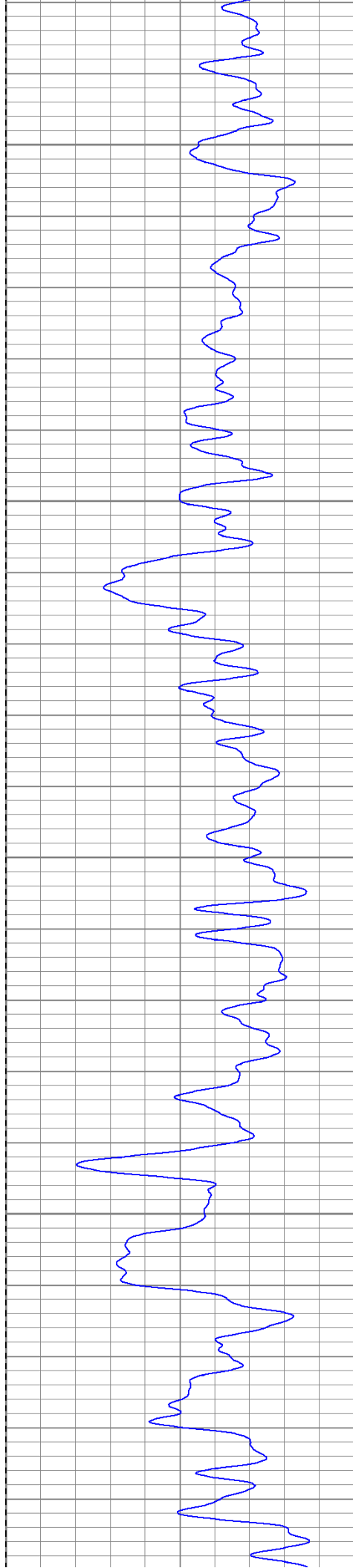
250

300

350

400





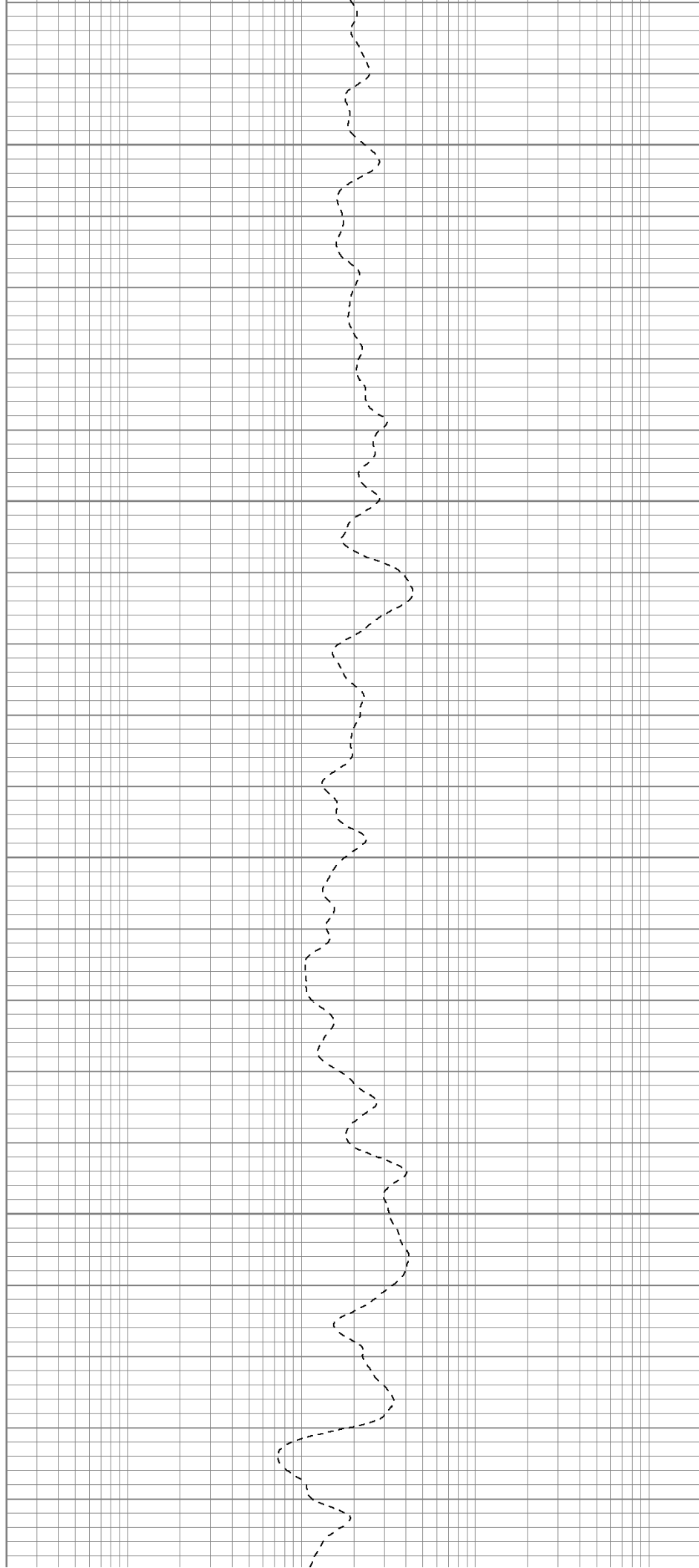
450

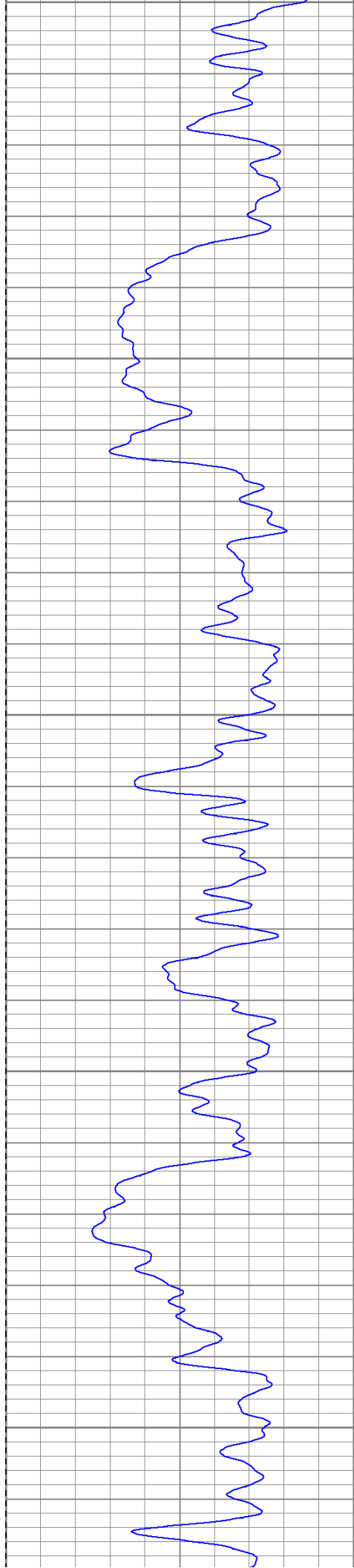
500

550

600

650





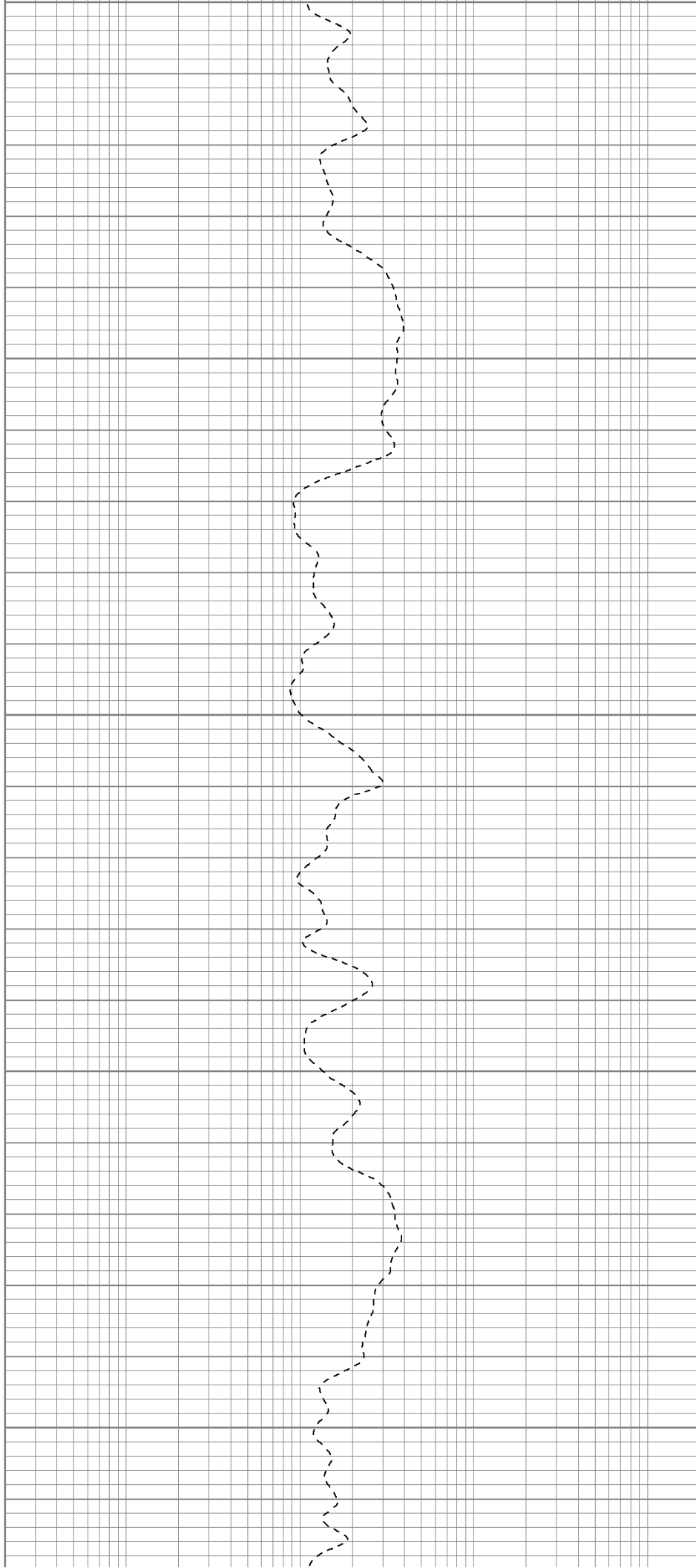
650

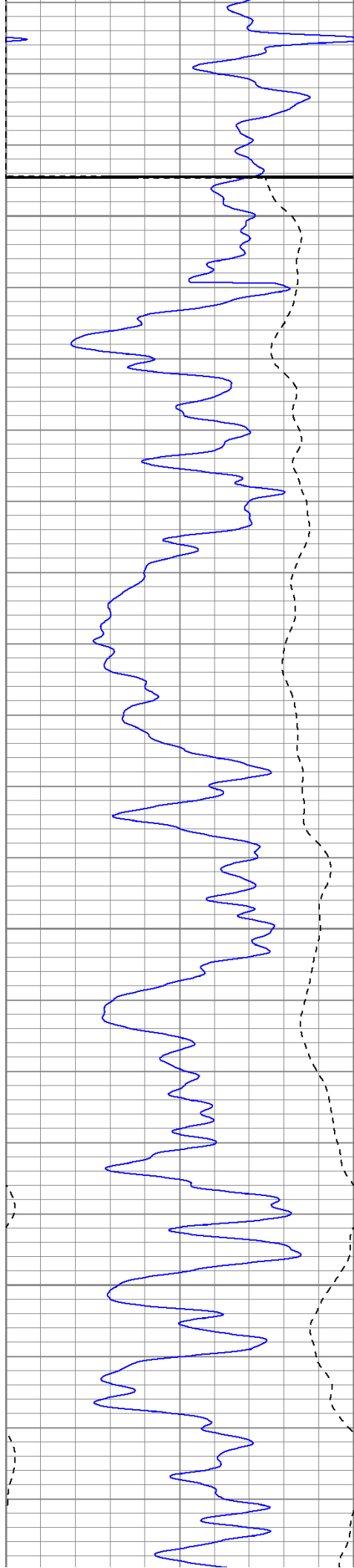
700

750

800

850



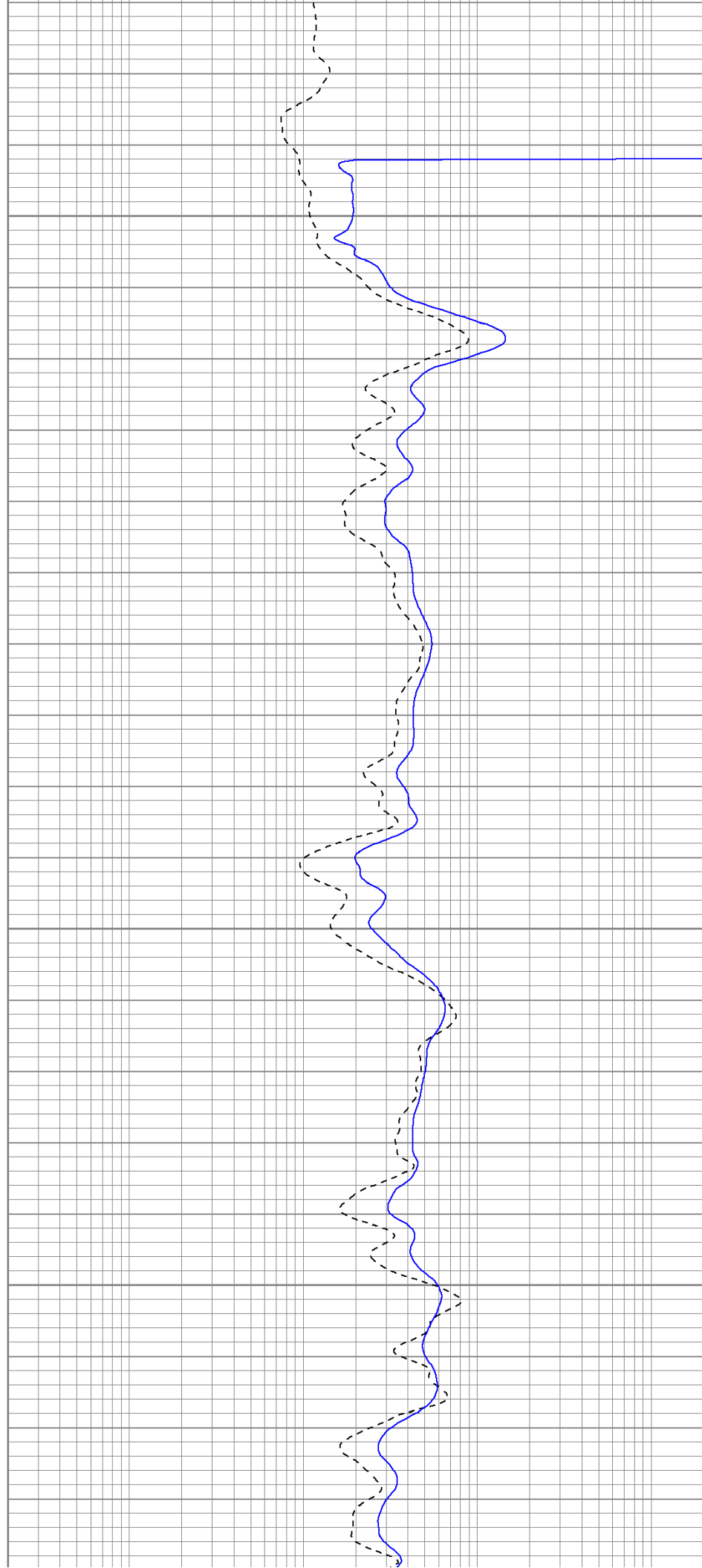


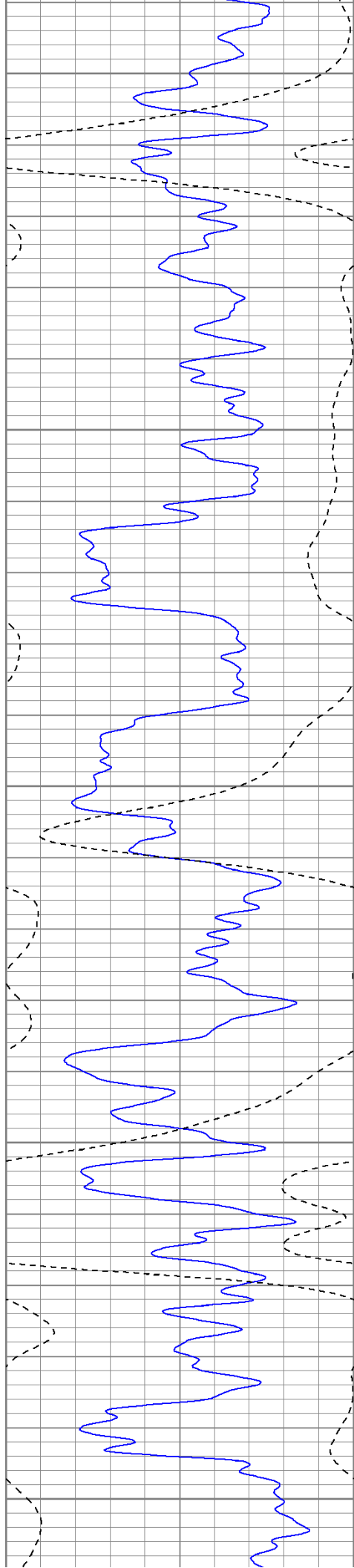
900

950

1000

1050





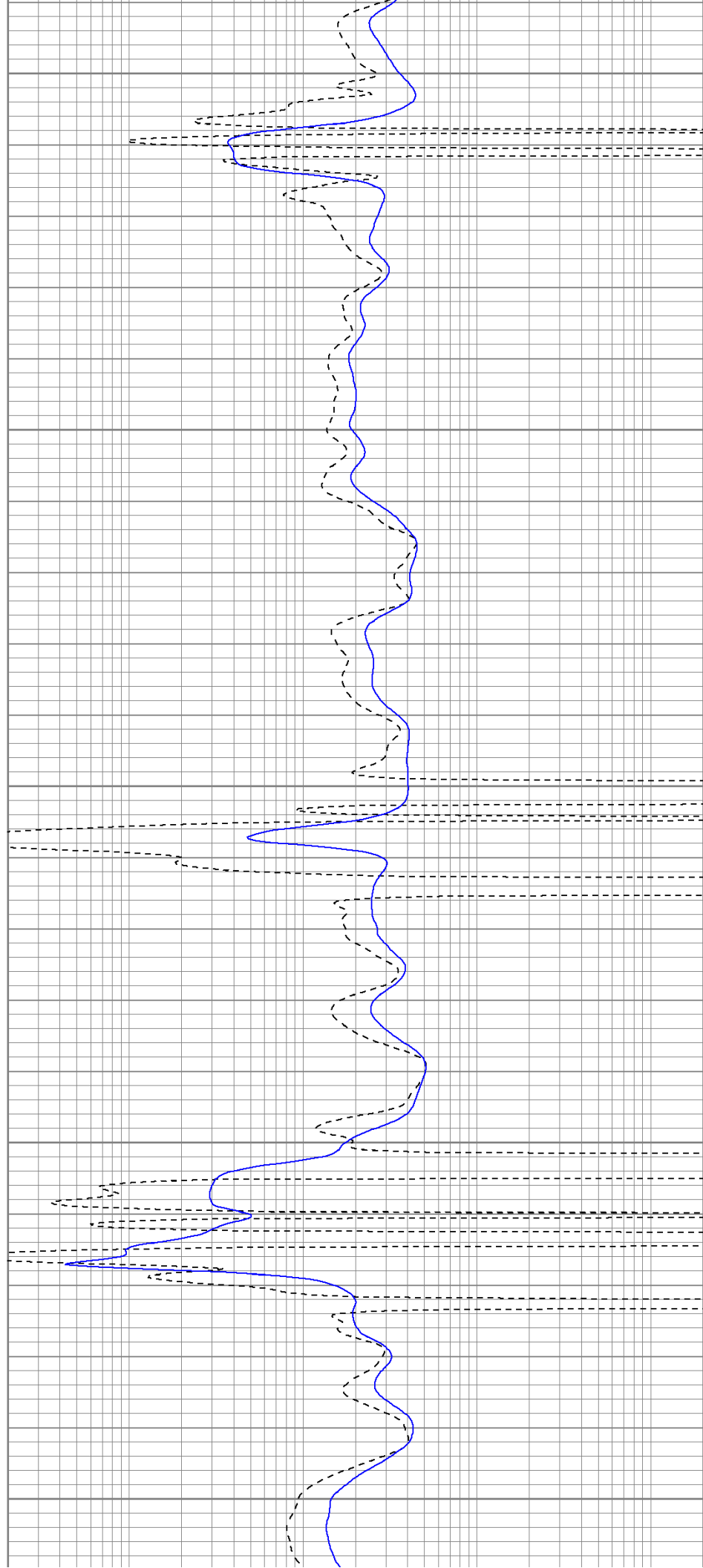
1100

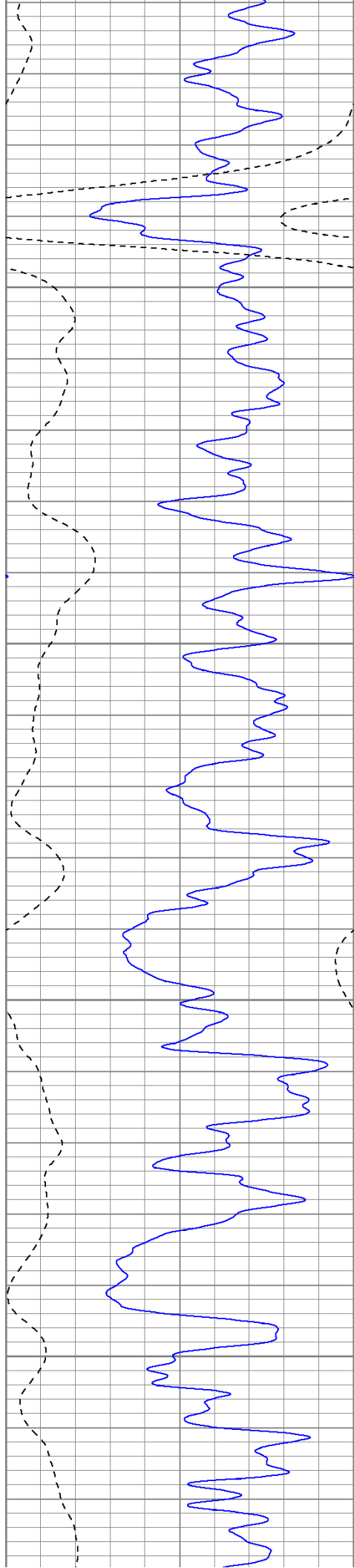
1150

1200

1250

1300



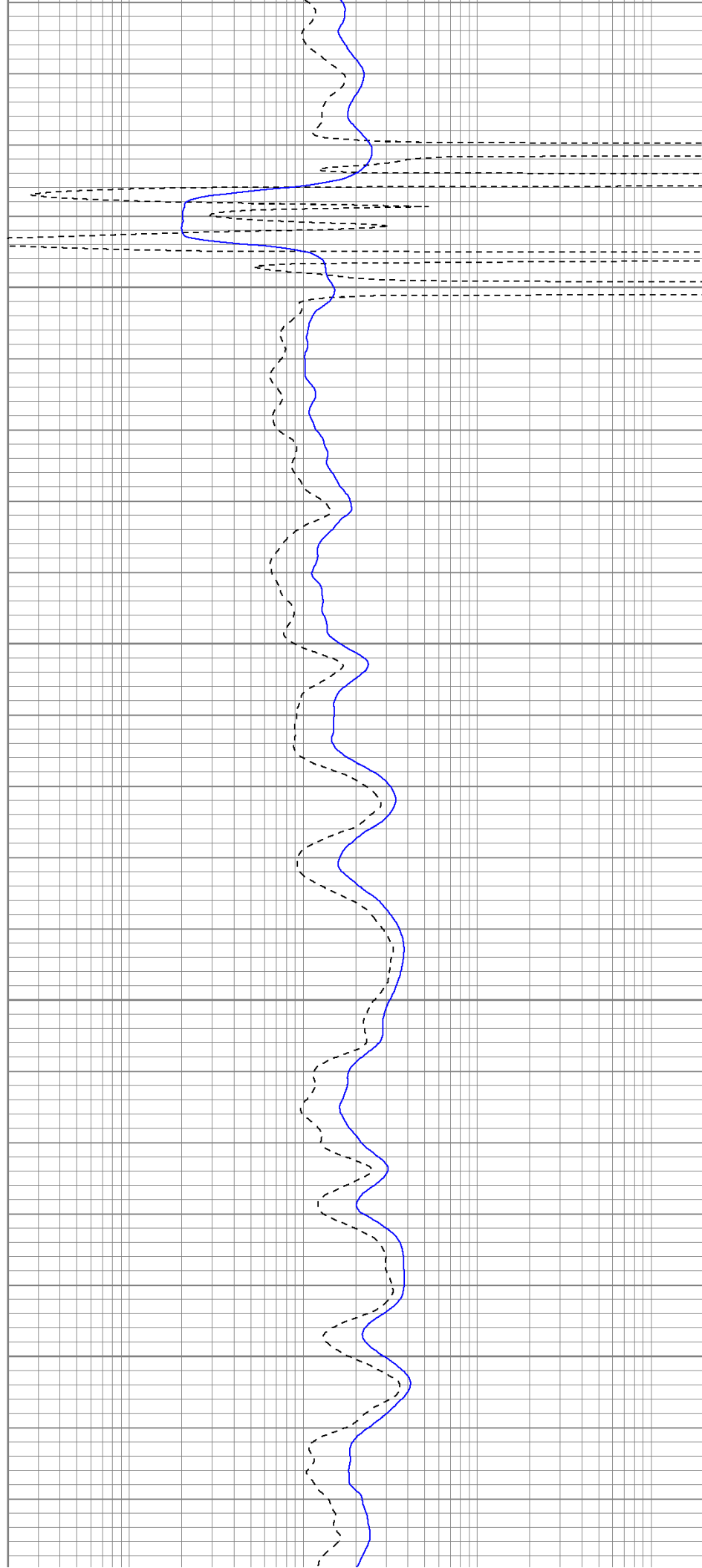


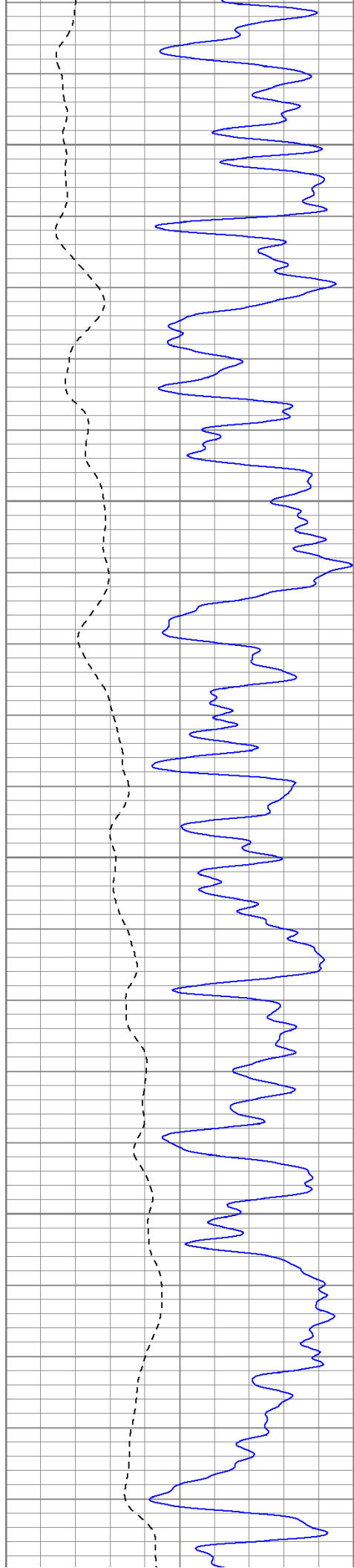
1350

1400

1450

1500





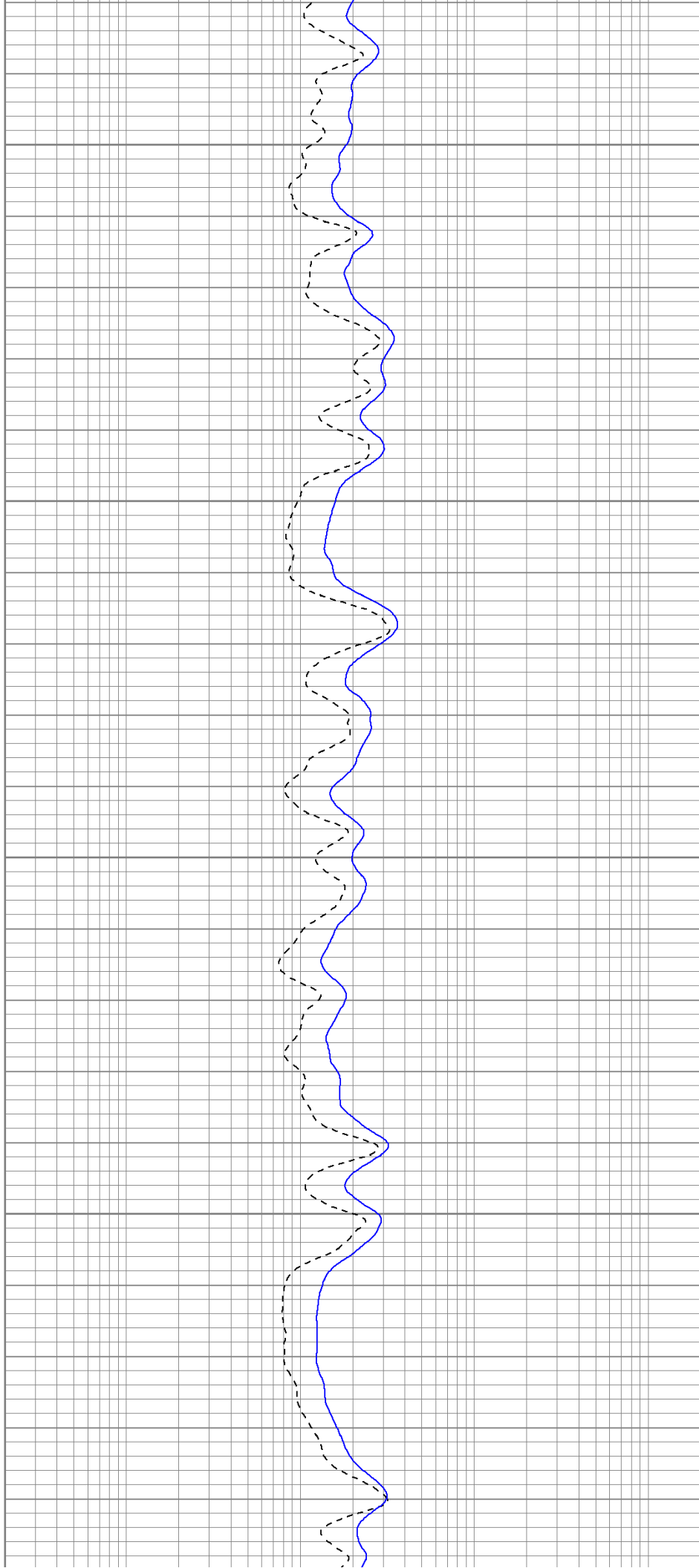
1550

1600

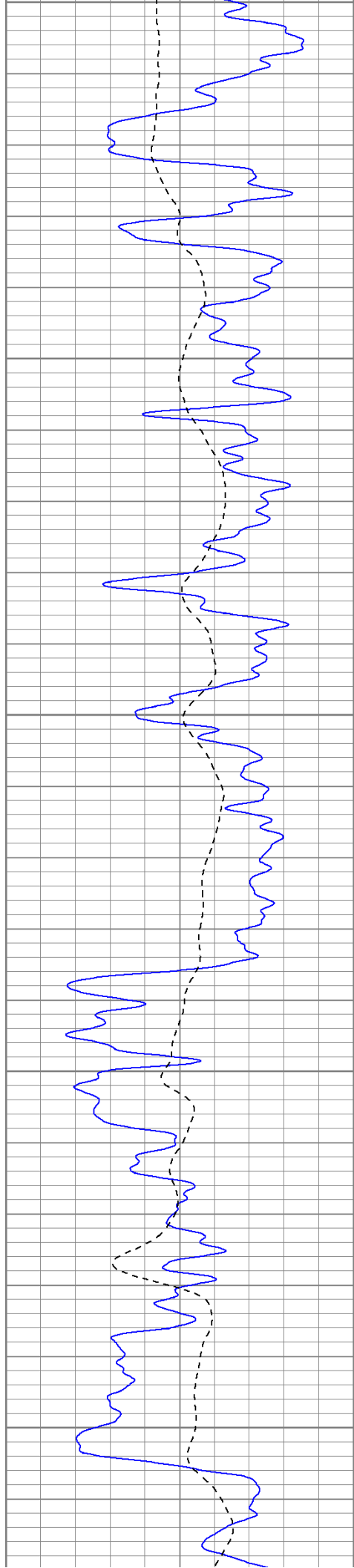
1650

1700

1750







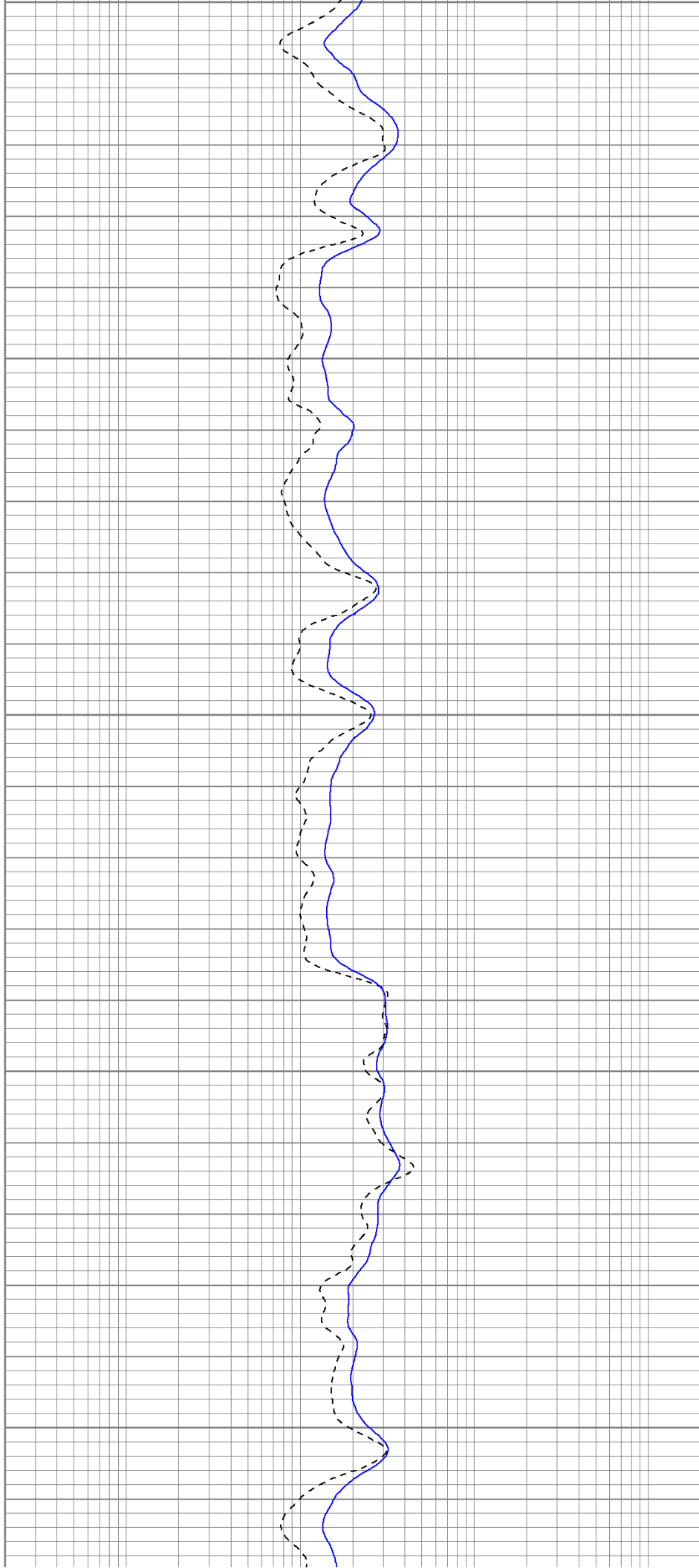
1750

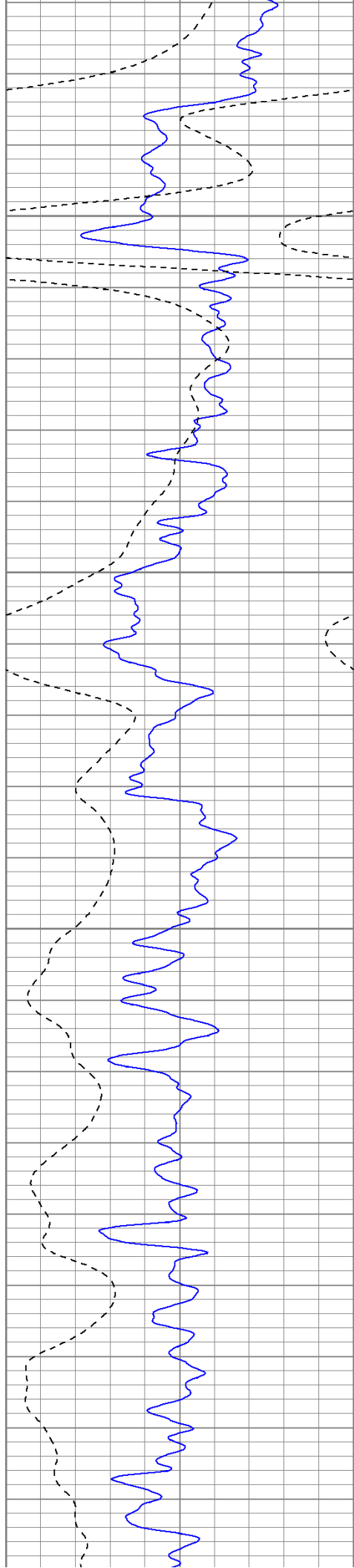
1800

1850

1900

1950



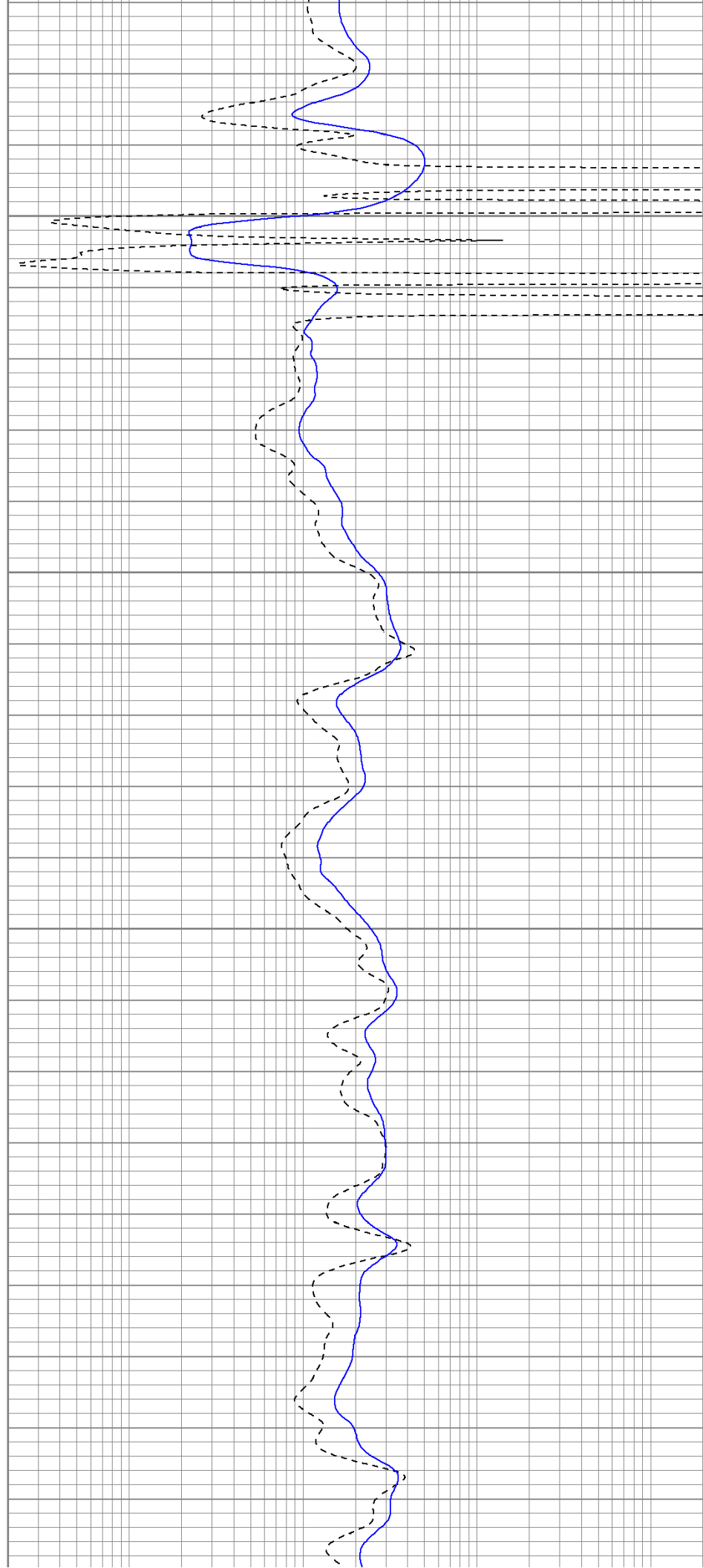


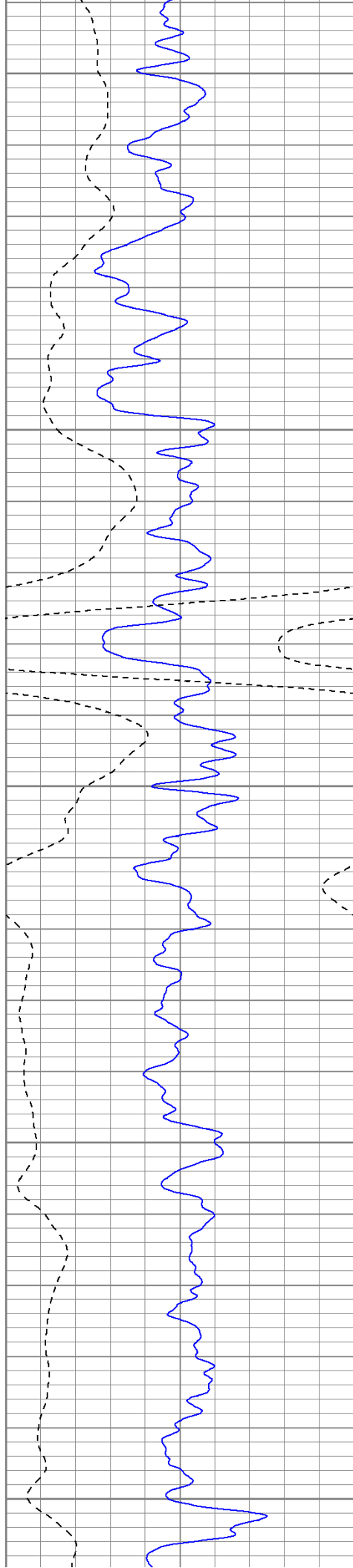
2000

2050

2100

2150





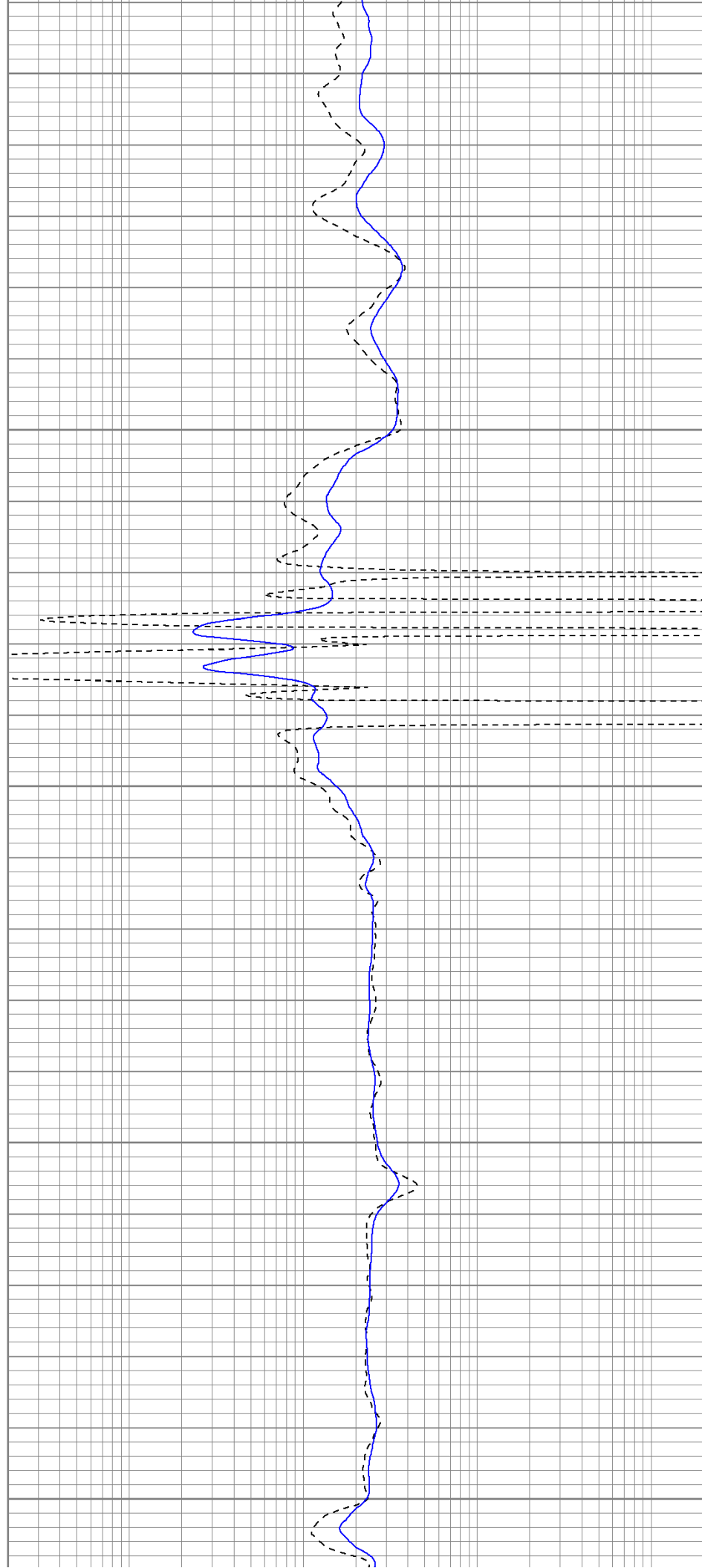
2200

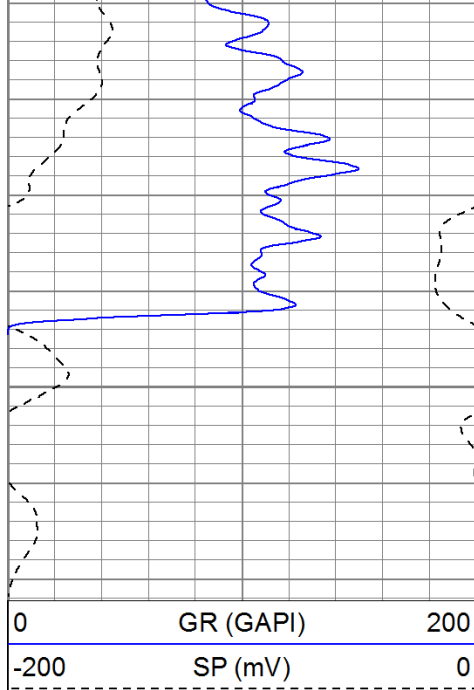
2250

2300

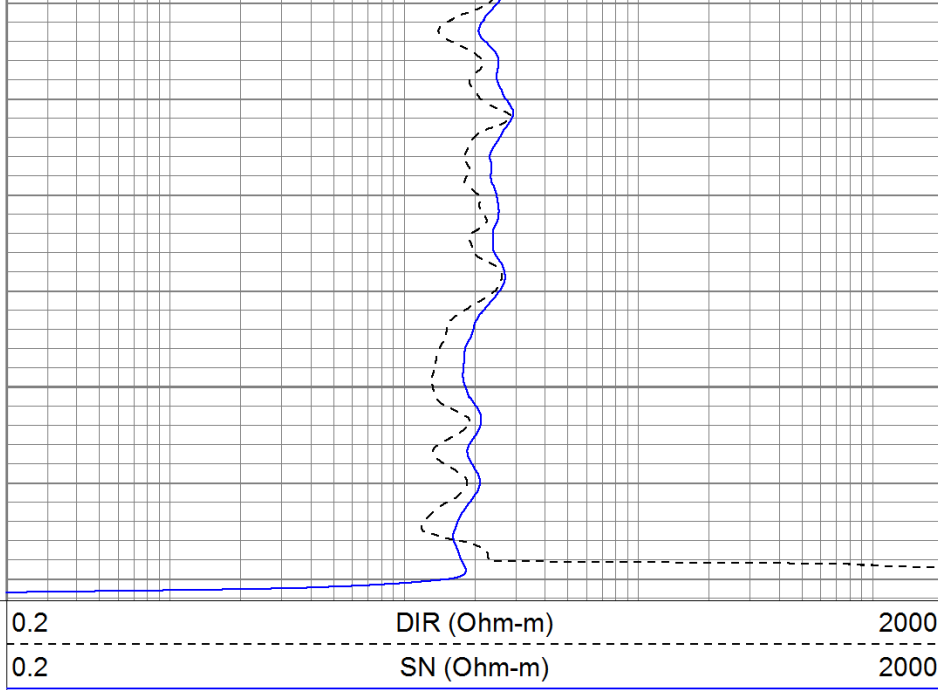
2350

2400



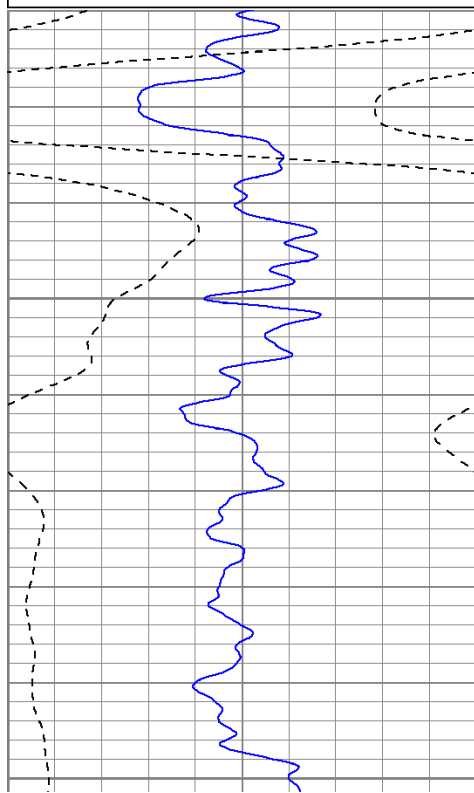
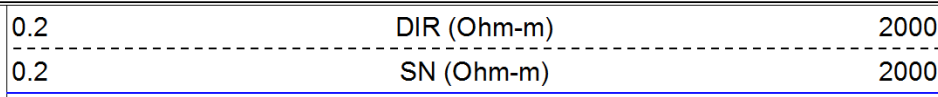
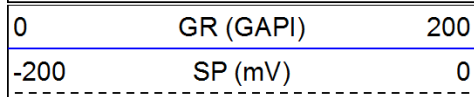


2450



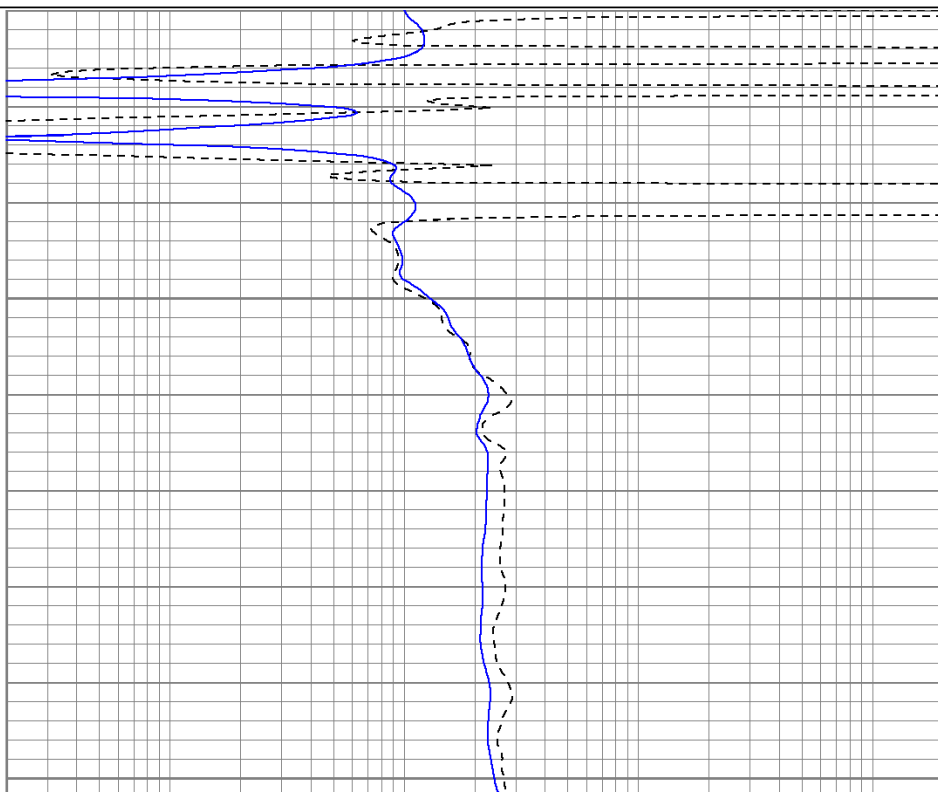
# Repeat Pass

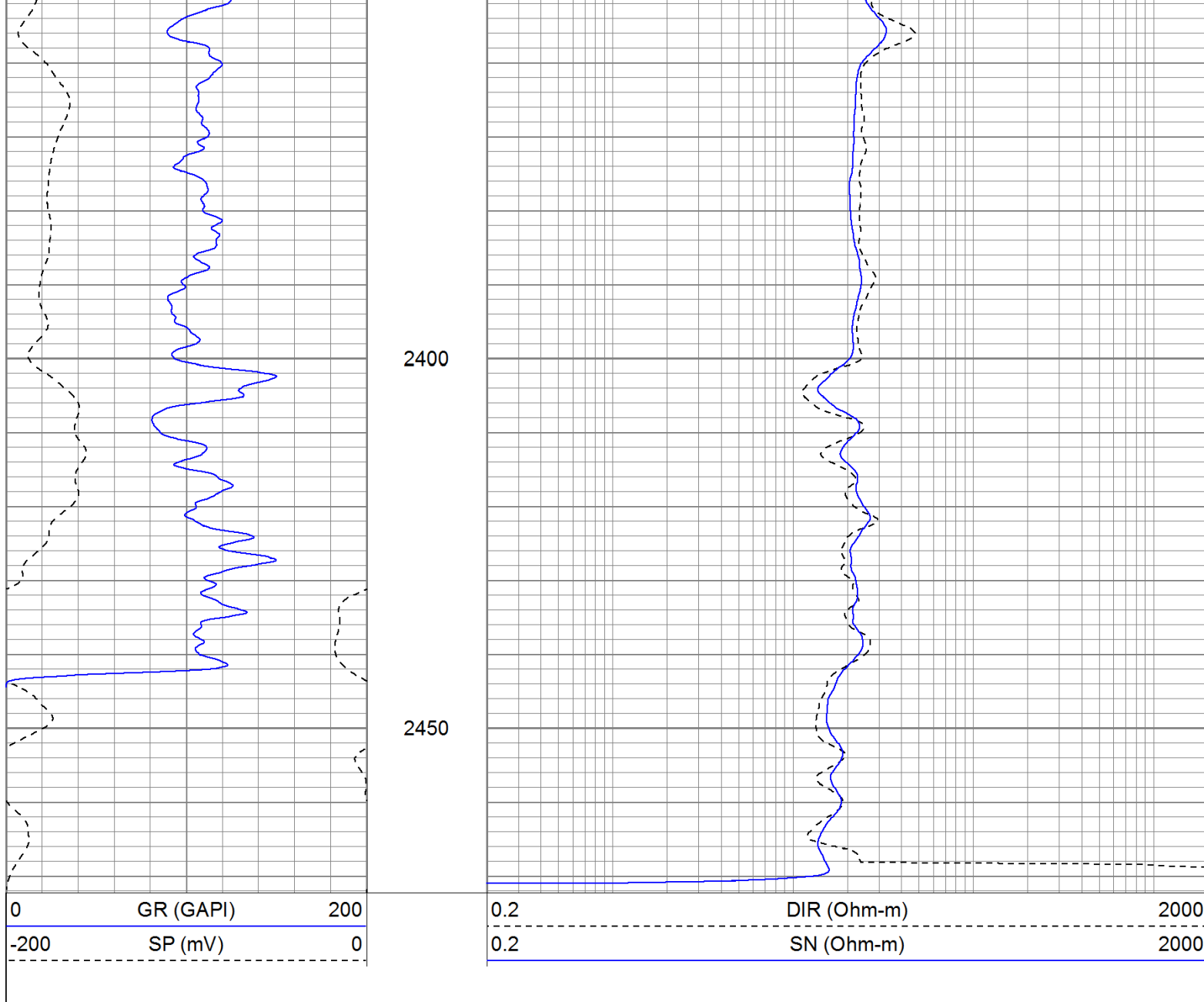
Database File: pointer.db  
 Dataset Pathname: pass1.1  
 Presentation Format: iel  
 Dataset Creation: Tue Aug 23 21:40:42 2011 by Calc Open-Cased 110302  
 Charted by: Depth in Feet scaled 1:240



2300

2350





### Calibration Report

Database File: pointer.db  
Dataset Pathname: pass1  
Dataset Creation: Tue Aug 23 20:17:32 2011 by Log Open-Cased 110302

### Induction Tool Calibration Report

Serial Number: 903  
Tool Model: Probe  
Downhole Cal Performed: Sat Jun 18 15:02:12 2011  
Surface Cal Performed: Sat Jun 18 17:40:00 2011  
After Survey Verification Performed:

Surface Calibration:	Air	Loop	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	-0.045	0.642	V
Internal Reference:	Zero	Cal	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.006	0.641	V

Downhole Calibration:	Internal Zero	Internal Cal	
Conductivity Reference:	-0.702	499.904	mmho
Conductivity Reading:	-0.082	503.319	V
Short Normal Reference:	0.000	20.000	Ohm-m

Short Normal Reading:		0.006	0.233	V
Results:	Gain		Offset	
	Loop Conductivity:	728.211	32.770	
	Downhole Correction:	0.994	-0.621	
	Short Normal Resistivity:	88.245	-3.000	
After Survey Verification		Internal Zero	Internal Cal	
Conductivity Reading:		0.000	0.000	V
Conductivity Result:		0.000	0.000	mmho
Short Normal Reading:		0.000	0.000	V
Short Normal Result:		0.000	0.000	Ohm-m

Compensated Density Calibration Report					
Serial-Model:		901-2.75POH			
Source / Verifier:		/			
Master Calibration Performed:		Wed Jun 08 09:11:26 2011			
Before Survey Verification Performed:					
After Survey Verification Performed:					

Master Calibration					
		Density		Far Detector	Near Detector
Magnesium	1.710	g/cc	1001.79	578.48	cps
Aluminum	2.590	g/cc	180.36	300.39	cps
Spine Angle = 69.08			Density/Spine Ratio = 0.479		
		Size		Reading	
Small Ring	8.00	in	2.50	V	
Large Ring	16.00	in	4.57	V	

Before Survey Verification					
		Target		Measured	
		g/cc		g/cc	
		g/cc		g/cc	
		g/cc		g/cc	

After Survey Verification					
		Target		Measured	
		g/cc		g/cc	
		g/cc		g/cc	
		g/cc		g/cc	

Neutron Calibration Report					
Serial Number:		803			
Tool Model:		2.75POH			
Performed:		Wed Jun 08 13:12:55 2011			
Calibrator Value:		1	NAPI		
Calibrator Reading:		1	cps		
Sensitivity:		1	NAPI/cps		

Gamma Ray Calibration Report					
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Serial Number:		804			
Tool Model:		2.75POH			
Performed:		Fri Aug 12 08:39:59 2011			

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6500	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	29.58		None	0.75	1.50	5.00
			GR-2.75POH (804) Probe 2.75" Probe Open Hole Gamma Ray	3.73	2.75	43.00
NEU	24.04		NEU-2.75POH (803) Probe Epithermal	4.75	2.75	58.00
			CDL-2.75POH (901) Probe	8.43	2.75	106.00
LSD DCAL SSD	16.21 15.94 15.69					
DIC	6.24		IEL-Probe (903)	13.46	2.75	93.00
SP SN	2.25 1.71					

Dataset:	pointer.db: field/well/run1/pass1
Total Length:	31.11 ft
Total Weight:	305.00 lb
O.D.	2.75 in