



Dual Induction Log

Pioneer Energy Services

API No.	Company McCoy Petroleum Corporation		
	Well Halbower "A" # 2-3		
	Field Wharton		
	County Harper	State	Kansas
	Location 1980' FNL & 1980' FWL		
	Sec: 3	Twp: 34 S	Rge: 8 W
	Other Services CNL/CDL MEL		
Permanent Datum	Ground Level	Elevation 1368	Elevation K.B. 1377 D.F. G.L. 1368
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	4/4/2013		
Run Number	One		
Depth Driller	4740		
Depth Logger	4739		
Bottom Logged Interval	4738		
Top Log Interval	250		
Casing Driller	8.625 @ 270		
Casing Logger	261		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	4000		
Density / Viscosity	9.1 66		
pH / Fluid Loss	9.5 10.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	.71 @ 64		
Rmf @ Meas. Temp	.53 @ 64		
Rmc @ Meas. Temp	.96 @ 64		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.37 @ 123		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	123		
Equipment Number	15		
Location	Hays		
Recorded By	D.Kerr		
Witnessed By	David Williams		

<<< Fold Here >>>

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

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Anthony KS, 6 West to 60 RD,
2 South, 1 5/8 West, South Into

Database File: c:\warrior\data\mccoy_halfbower a # 2-3\mccoy_halfbower_a_2_3hd.db
Dataset Pathname: DIL\mcoystk
Presentation Format: dil2in
Dataset Creation: Thu Apr 04 04:19:55 2013
Charted by: Depth in Feet scaled 1:600

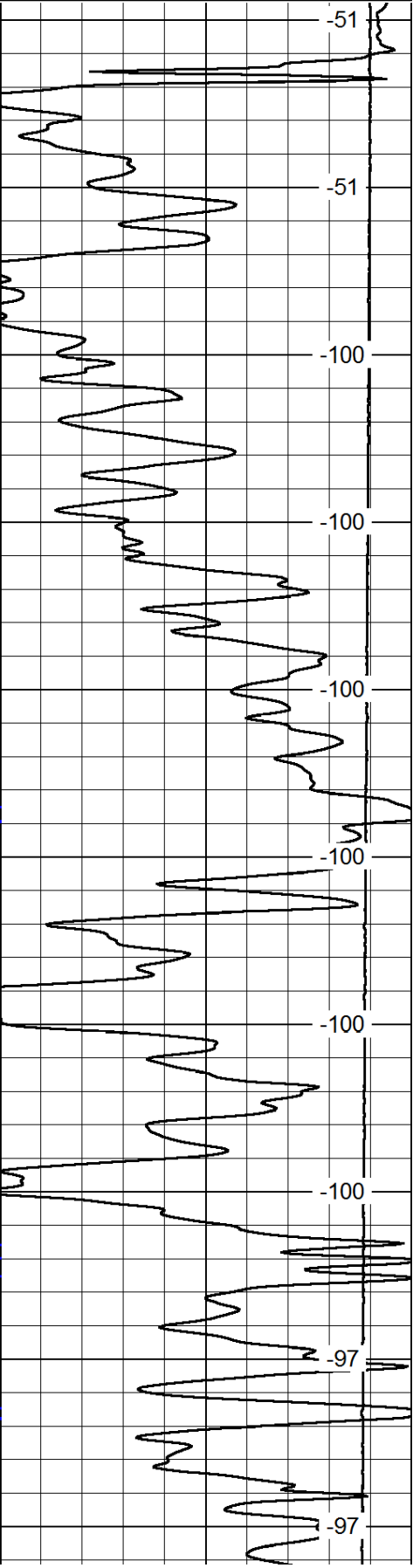
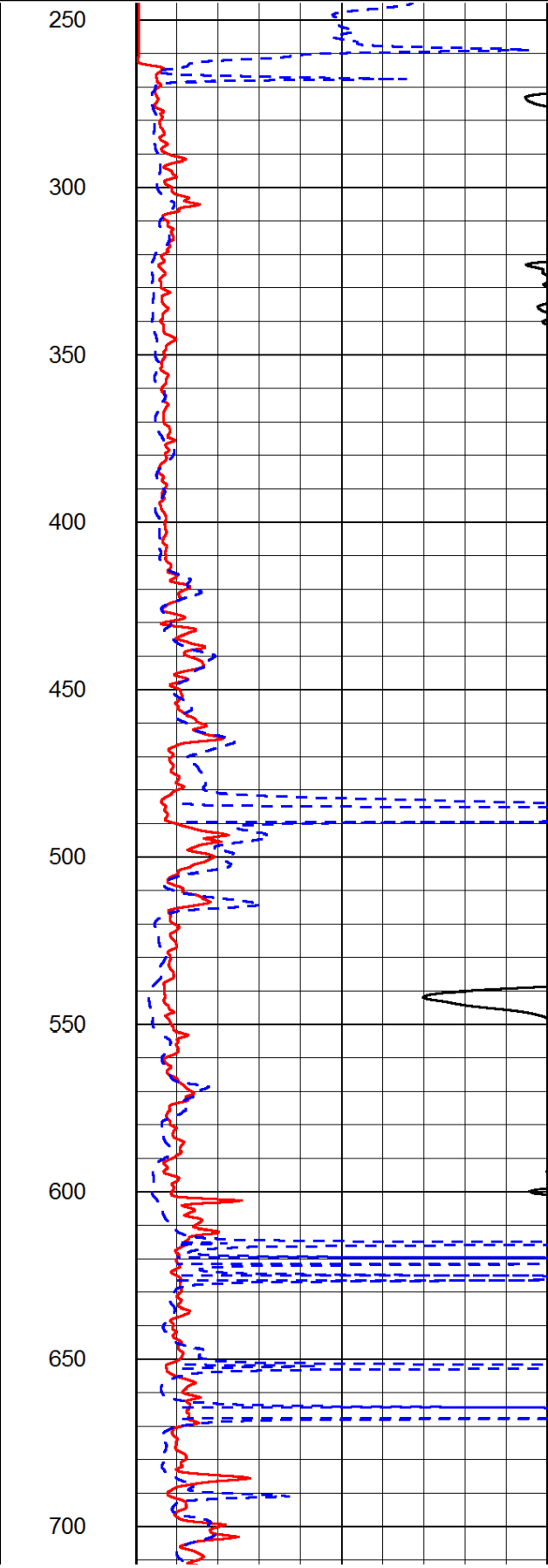
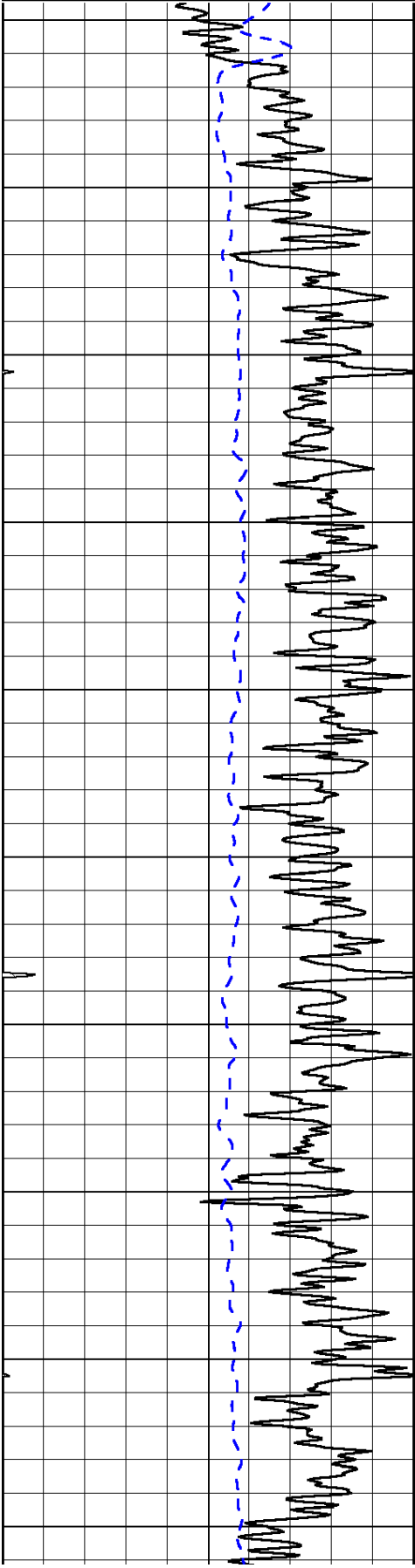
Charted by: Depth in Feet scaled 1:600

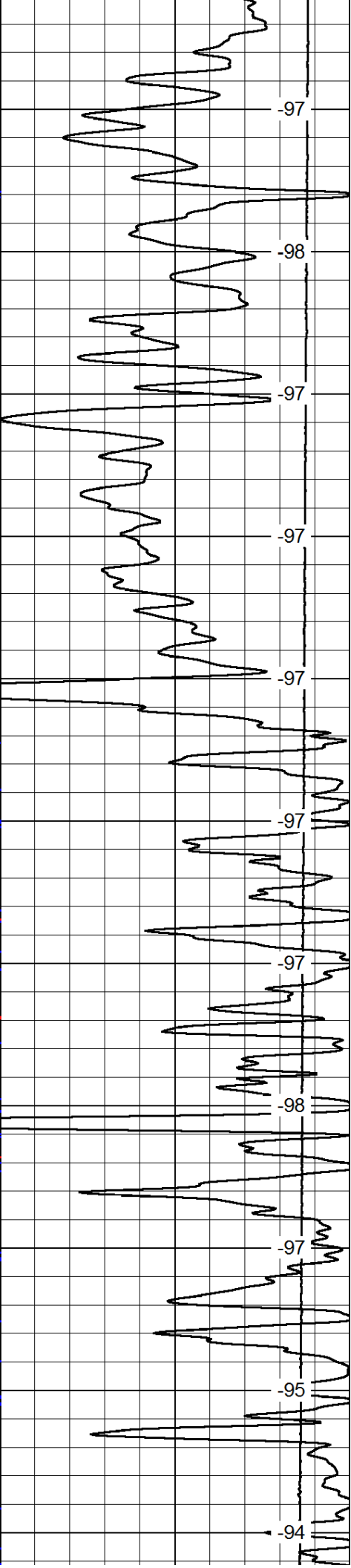
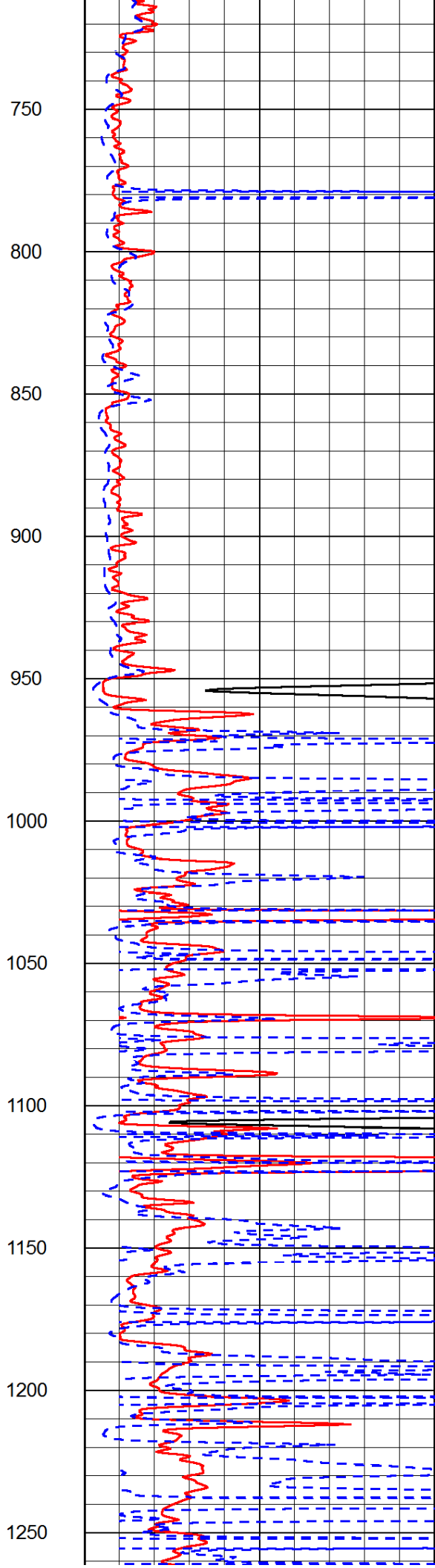
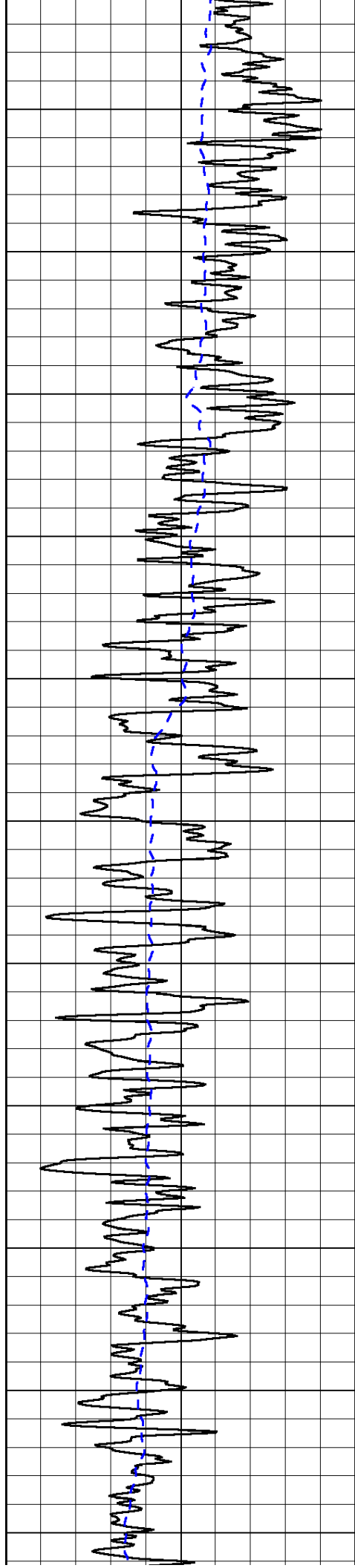
0	Gamma Ray	150
-200	SP (mV)	0

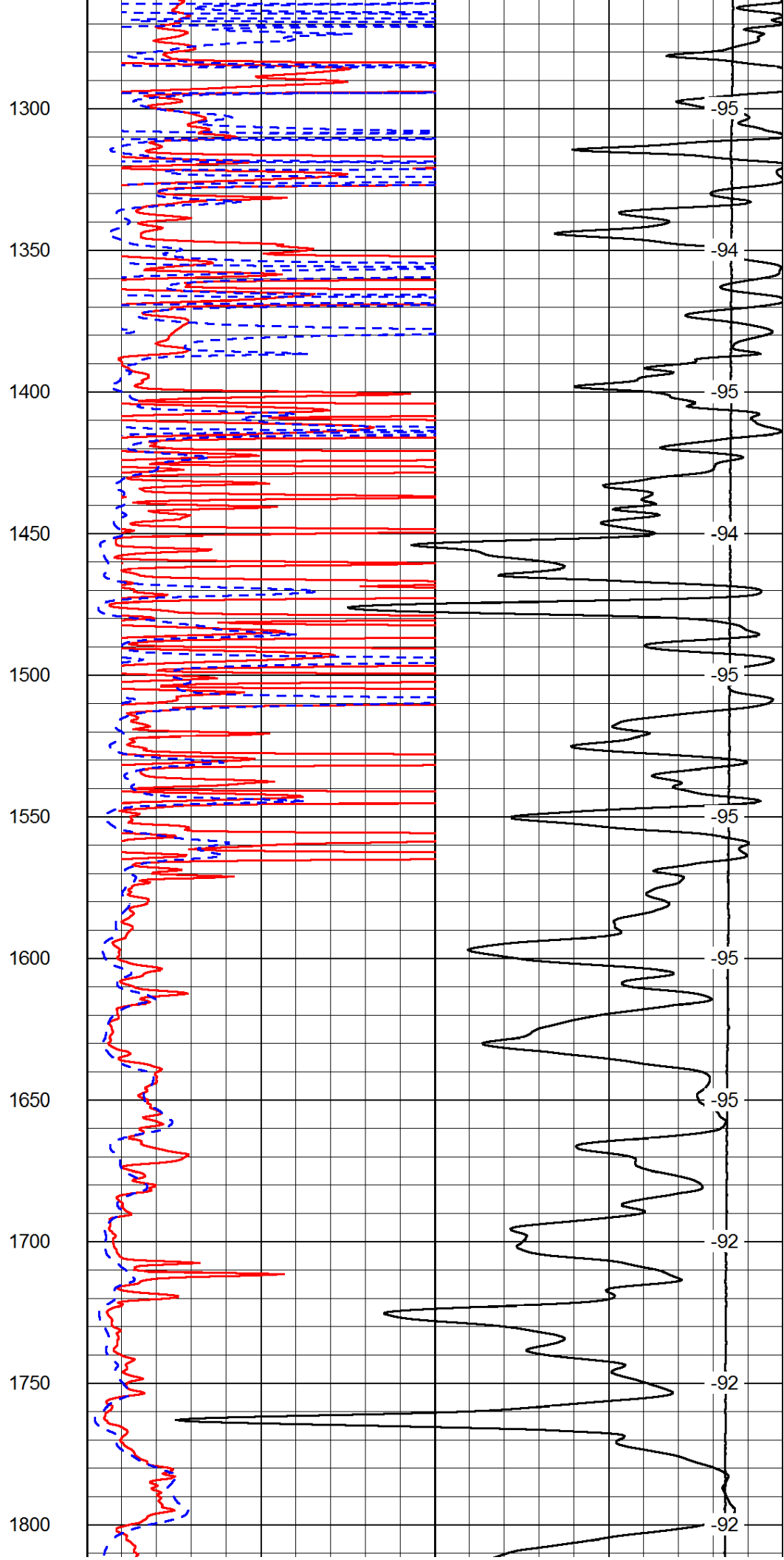
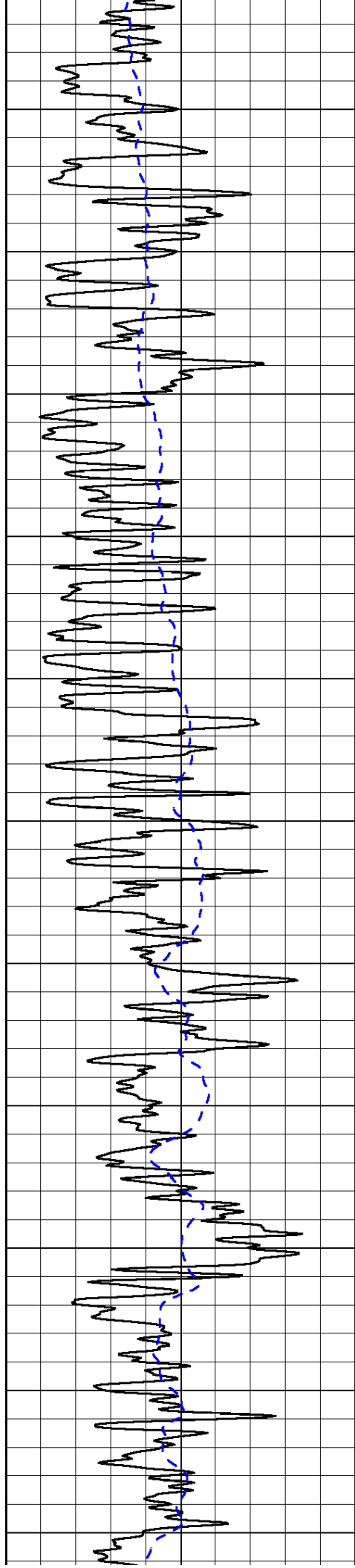
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

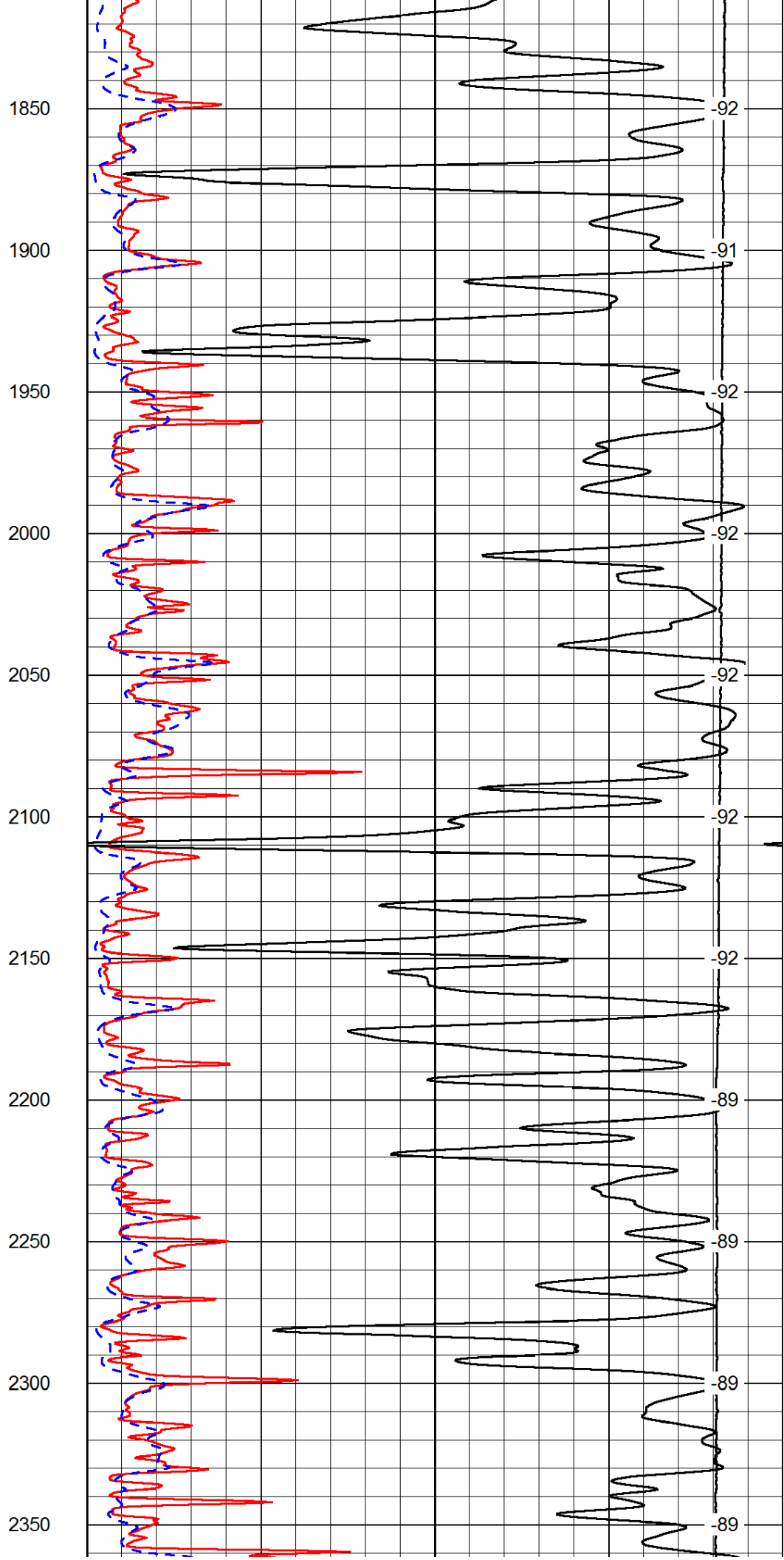
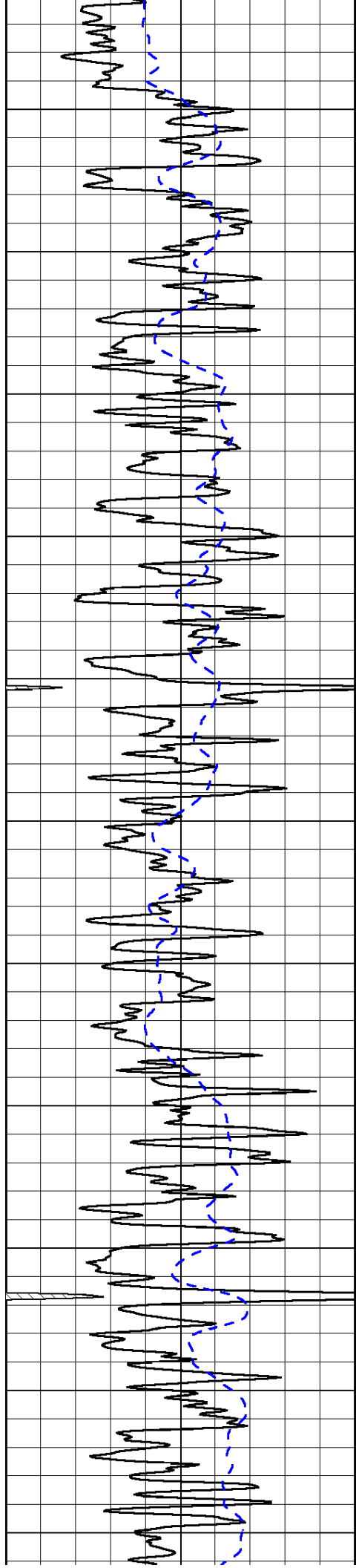
50	Shallow Resistivity	500
50	Deep Resistivity	500

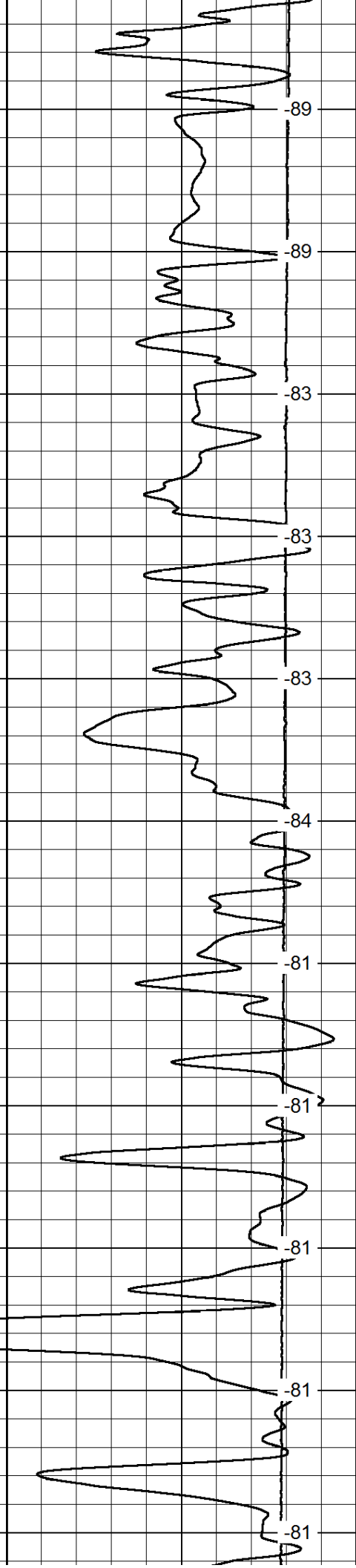
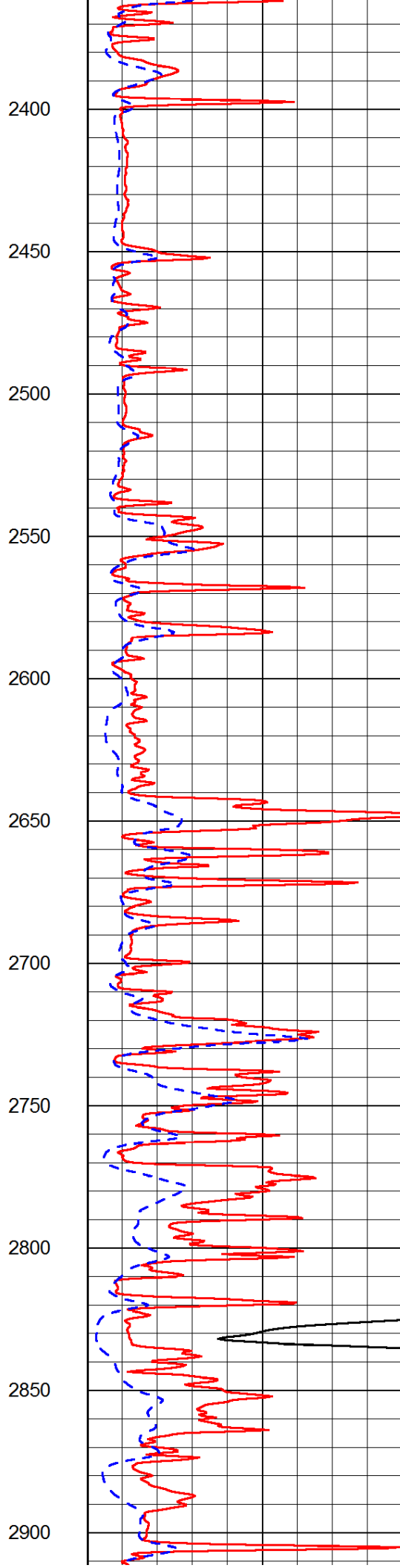
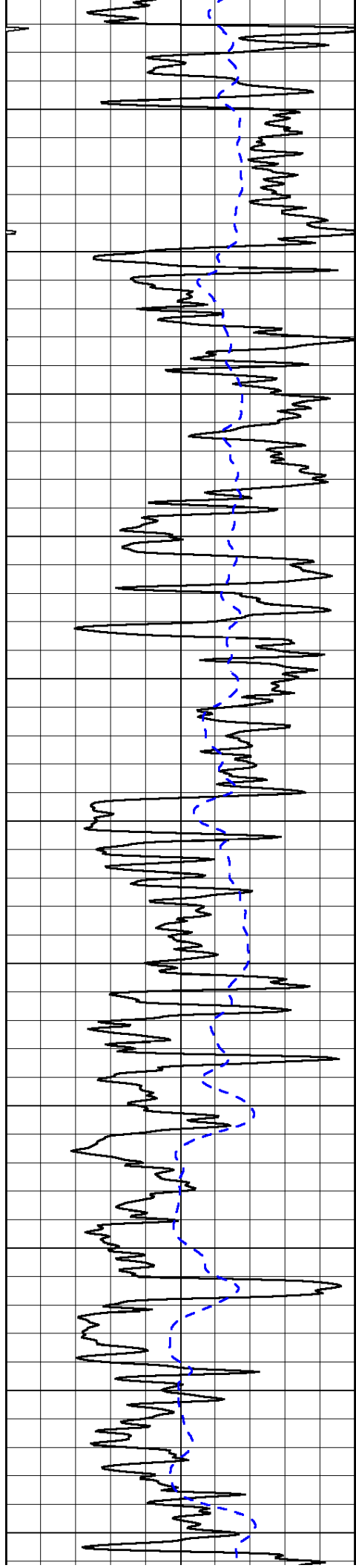
LSPD
0
0

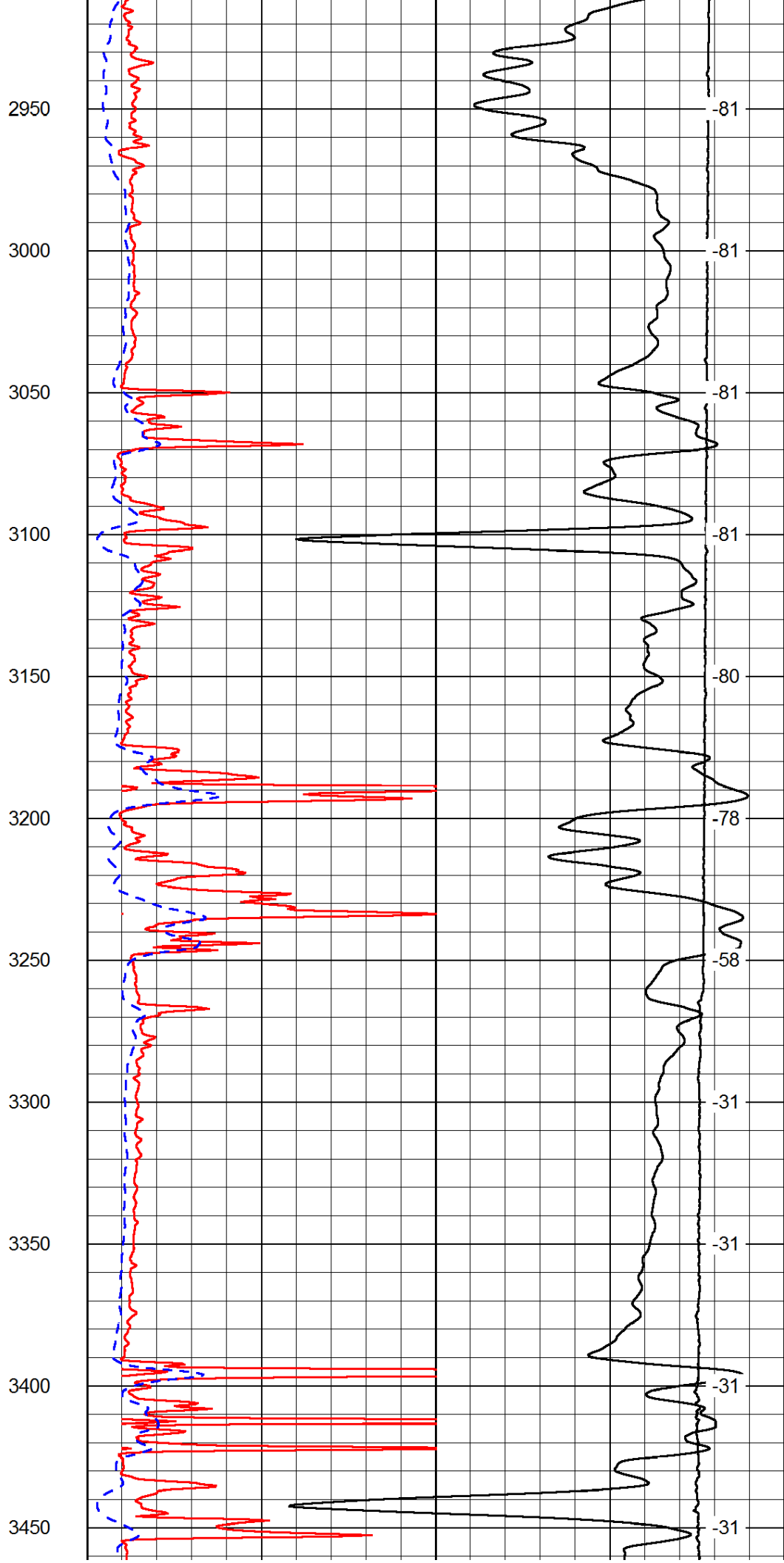
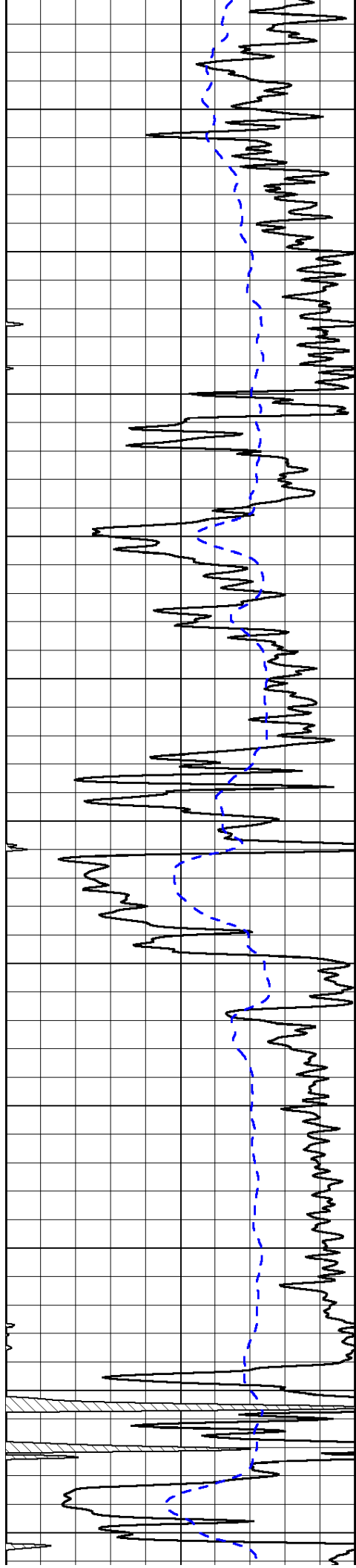


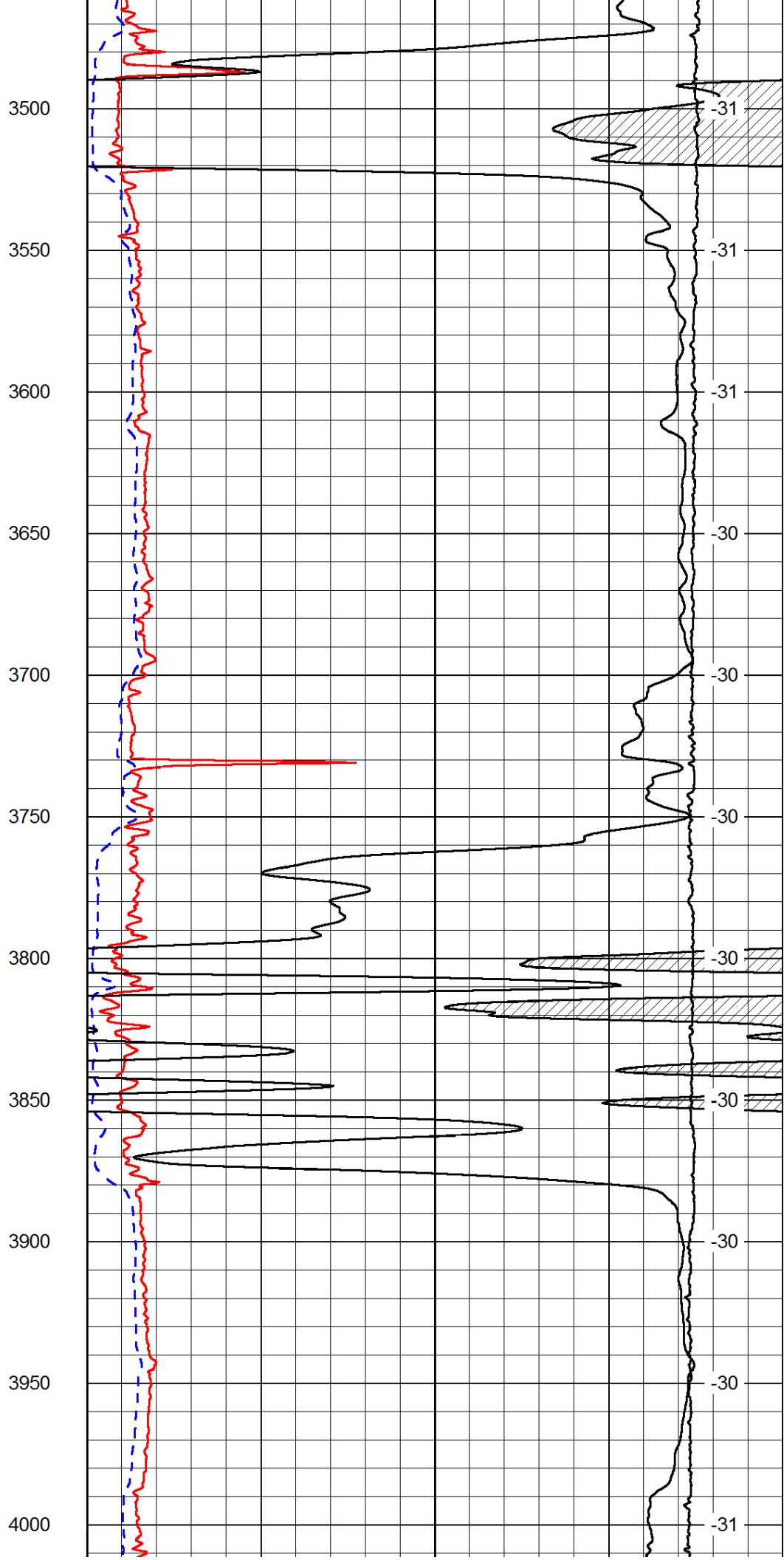
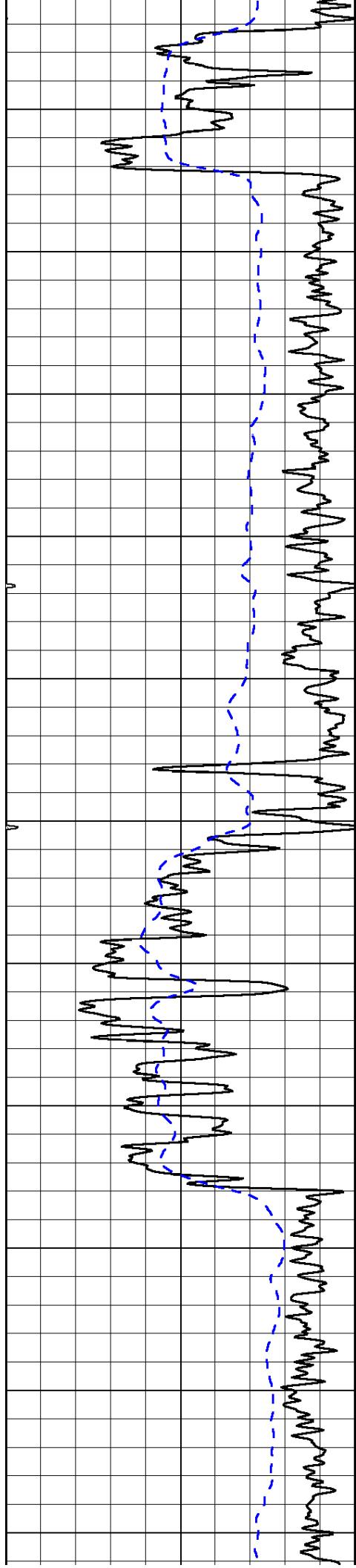


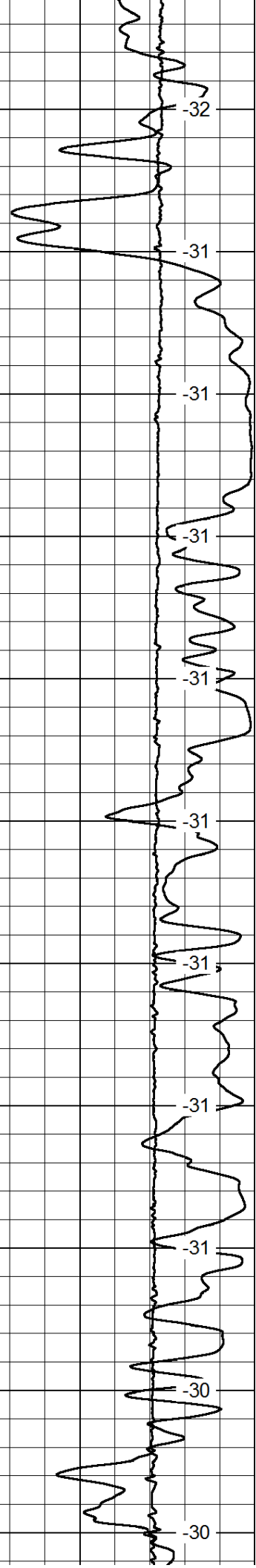
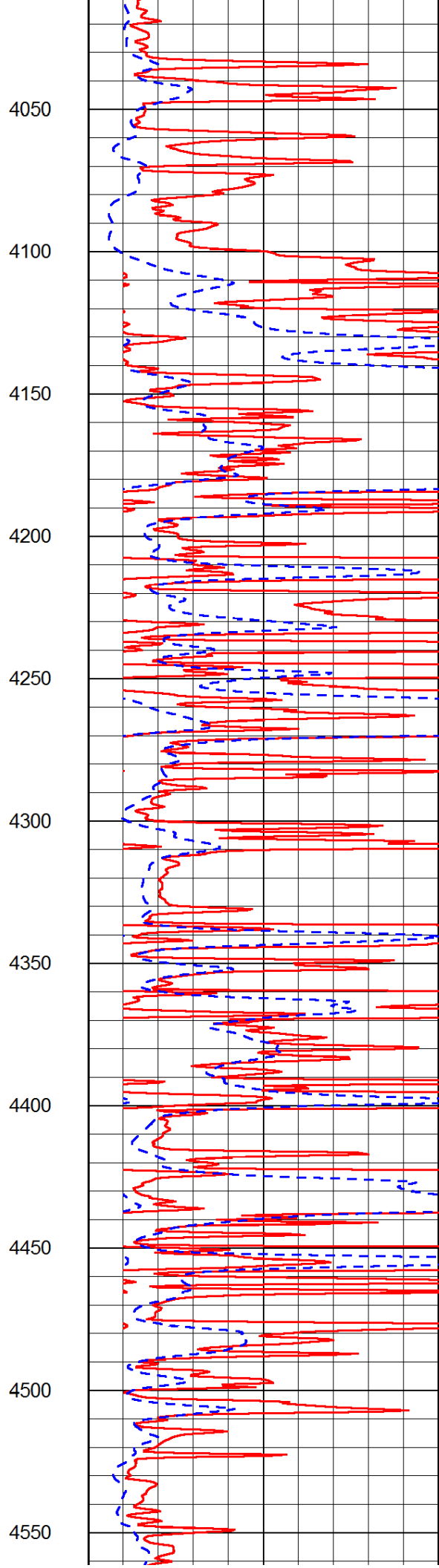
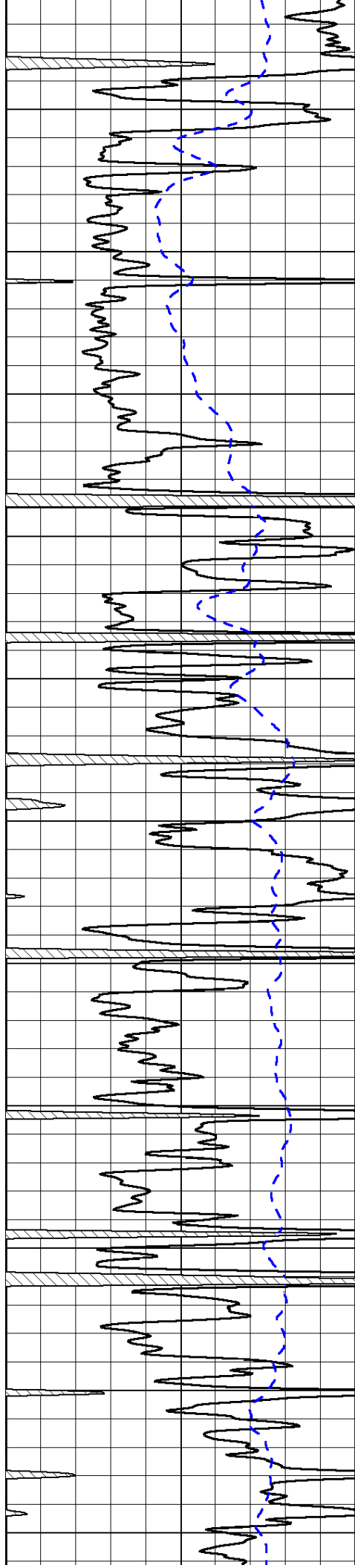


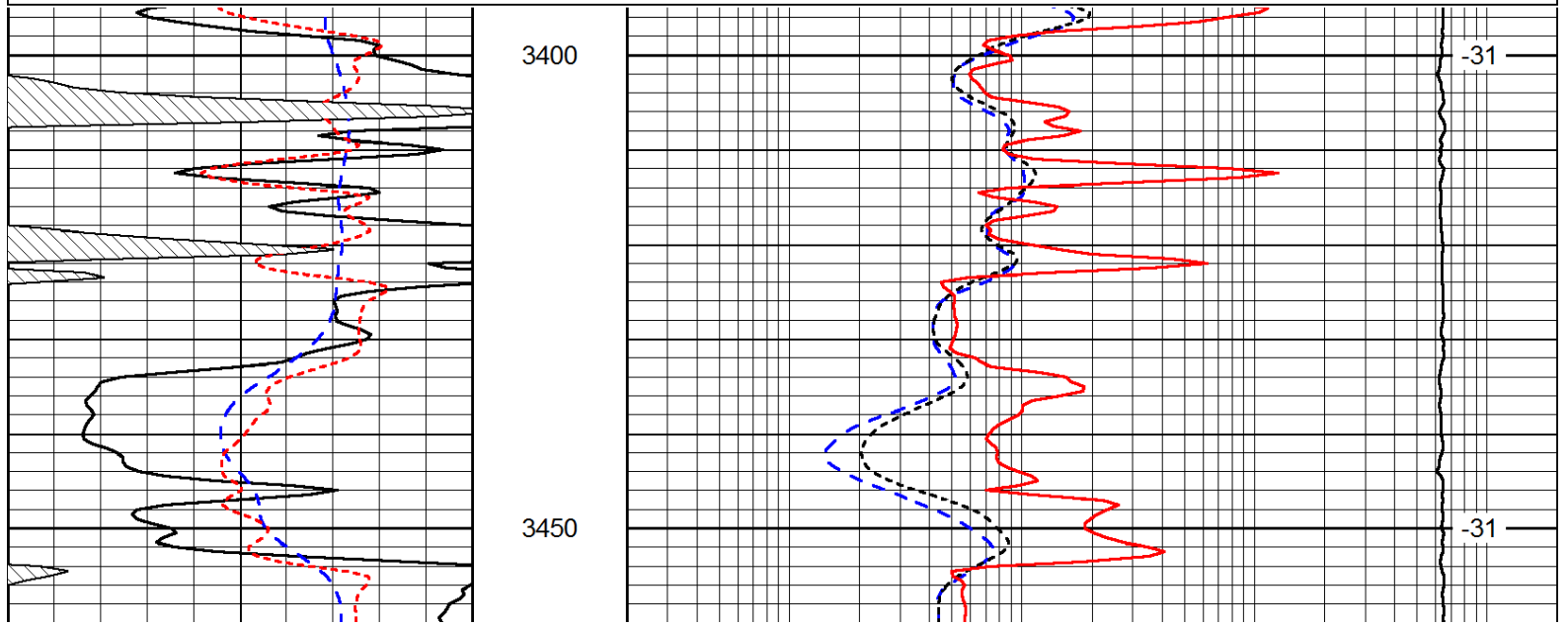
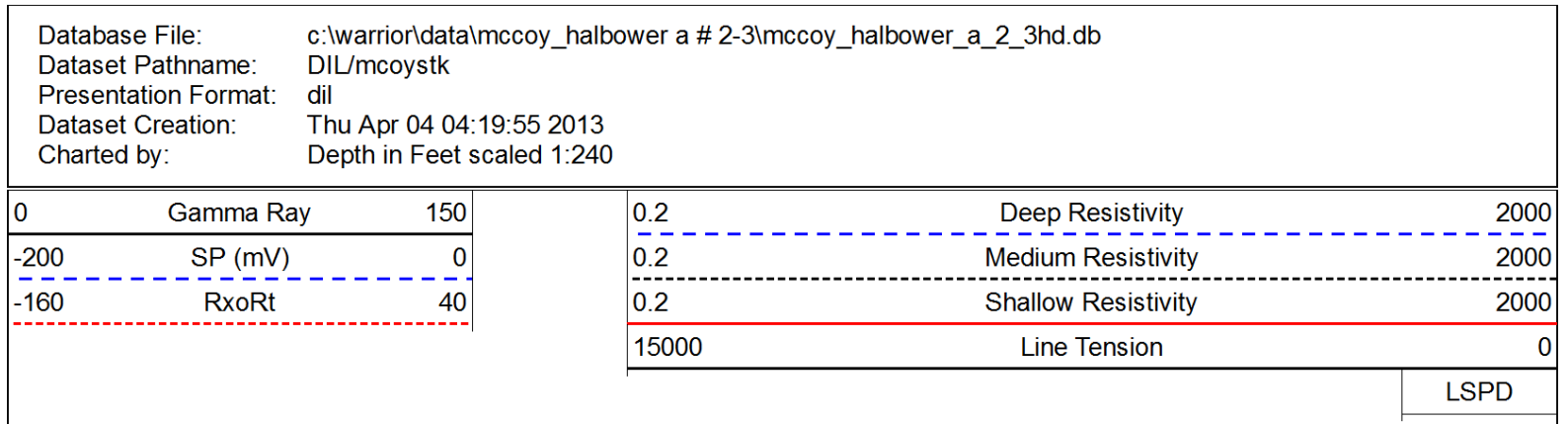
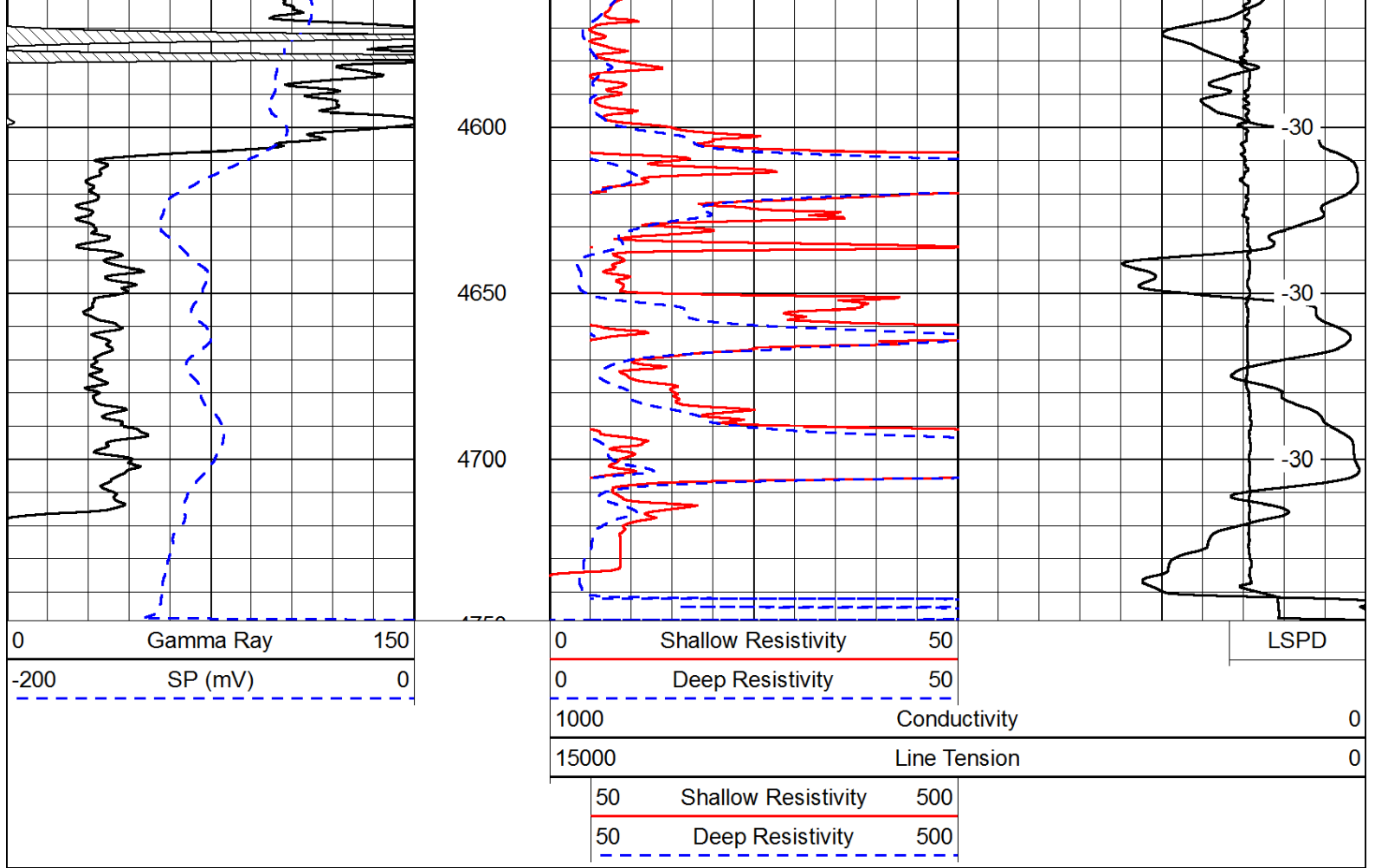


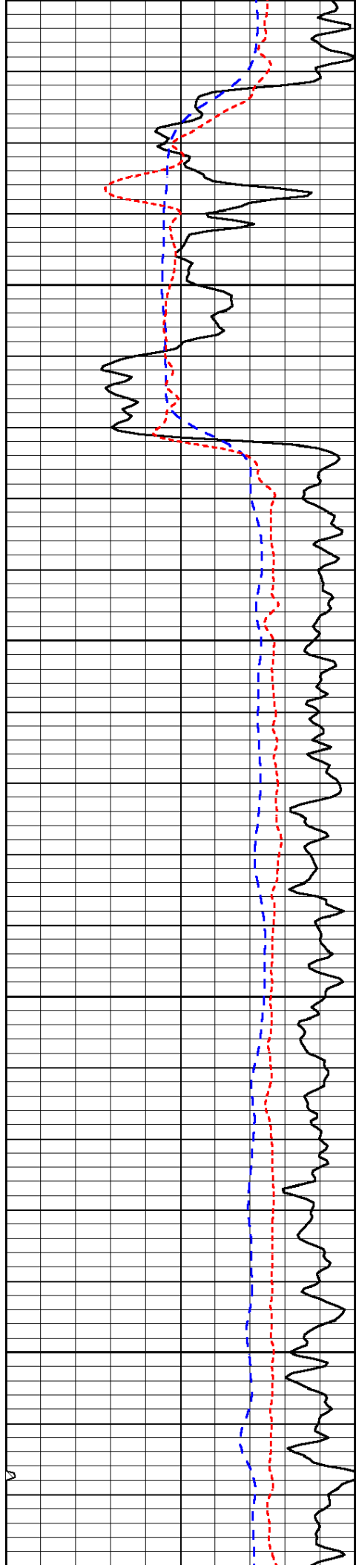










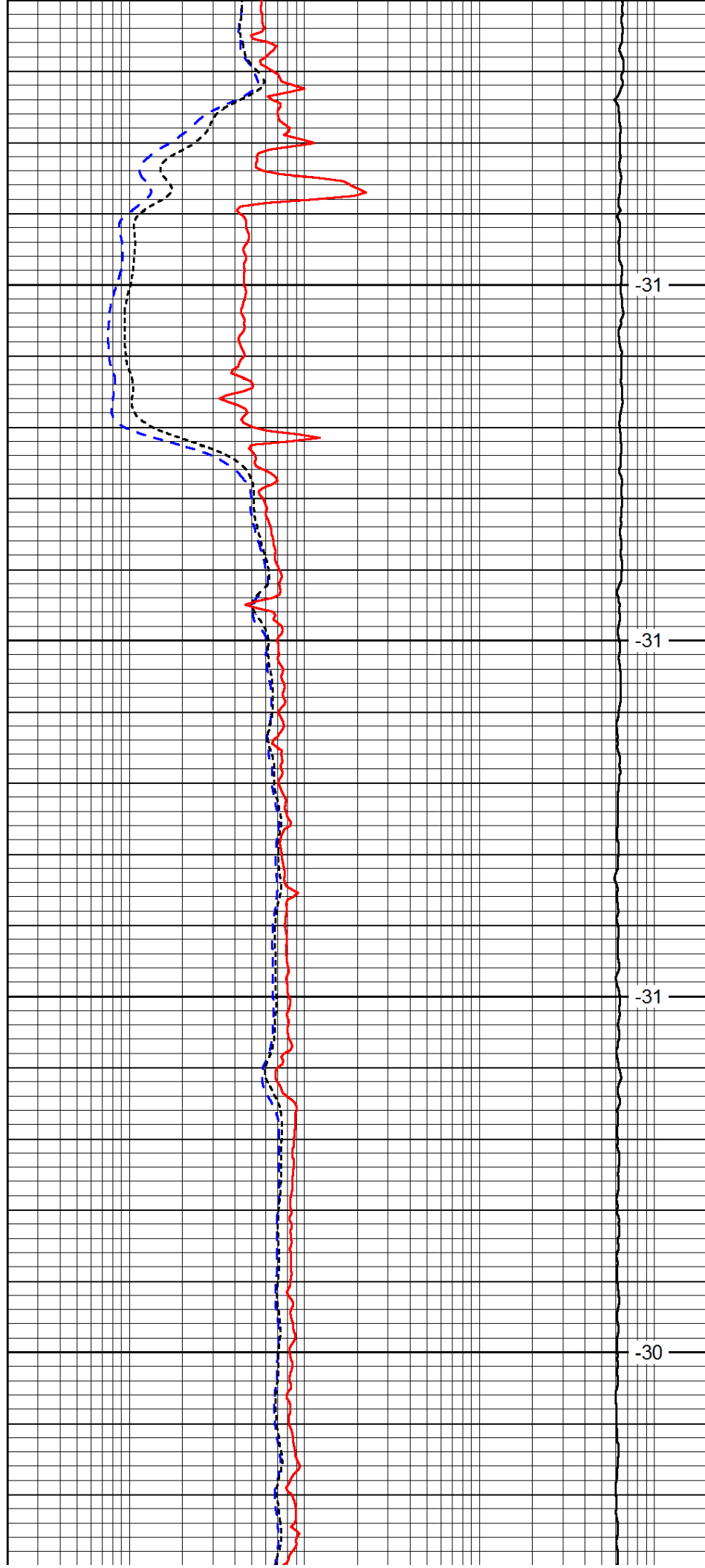


3500

3550

3600

3650

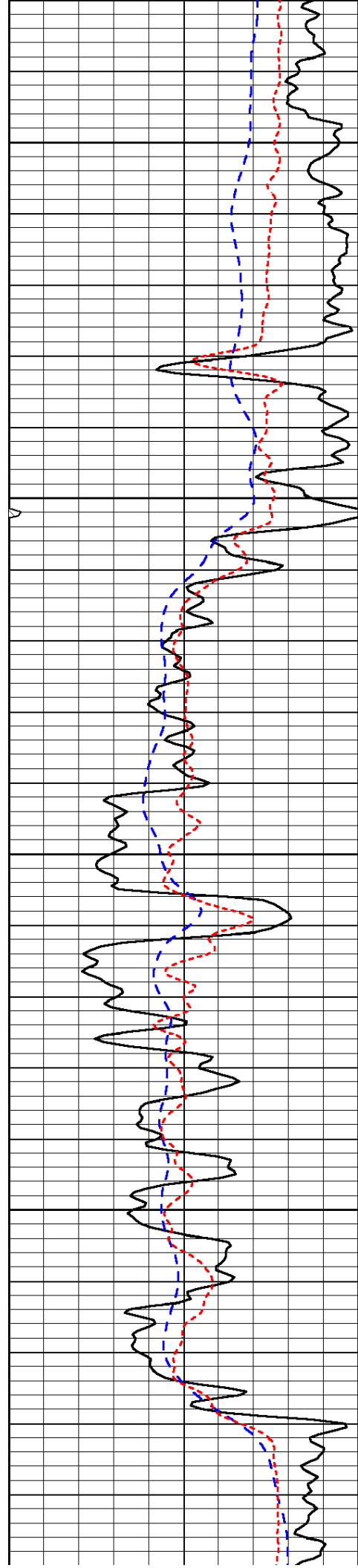


-31

-31

-31

-30



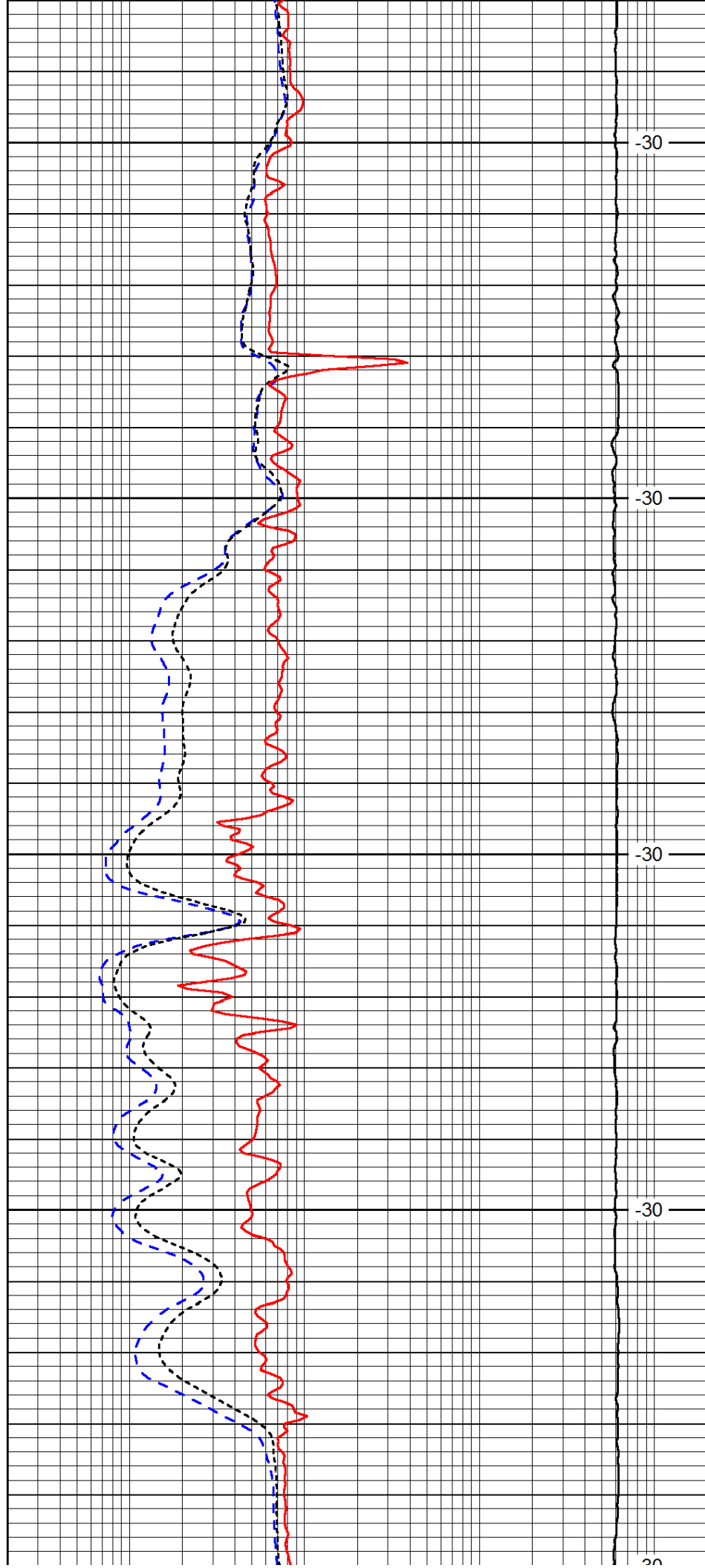
3700

3750

3800

3850

3900



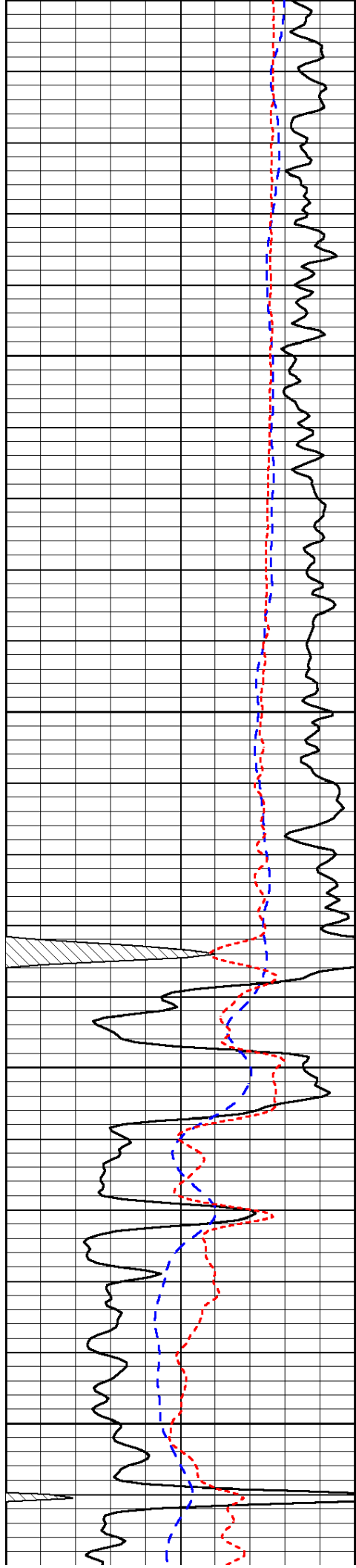
-30

-30

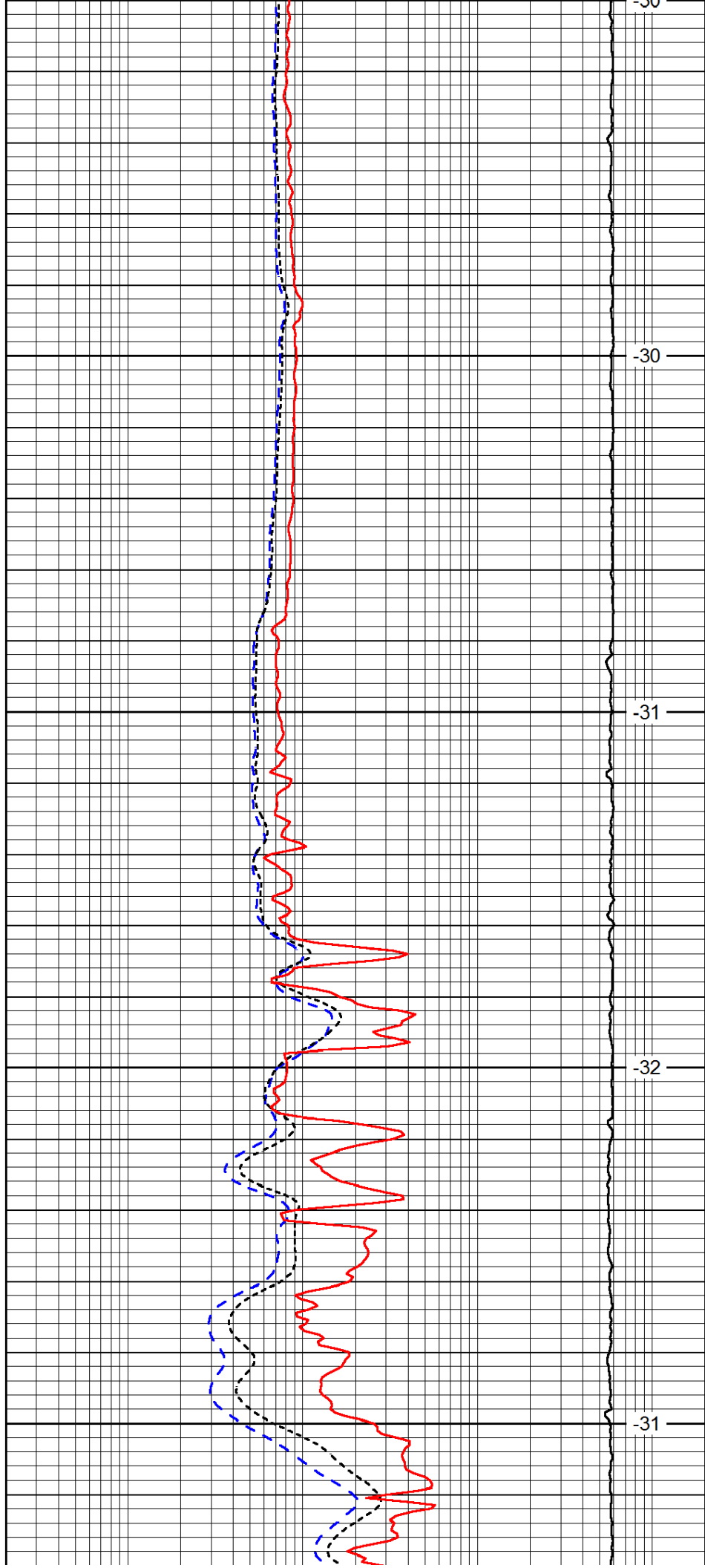
-30

-30

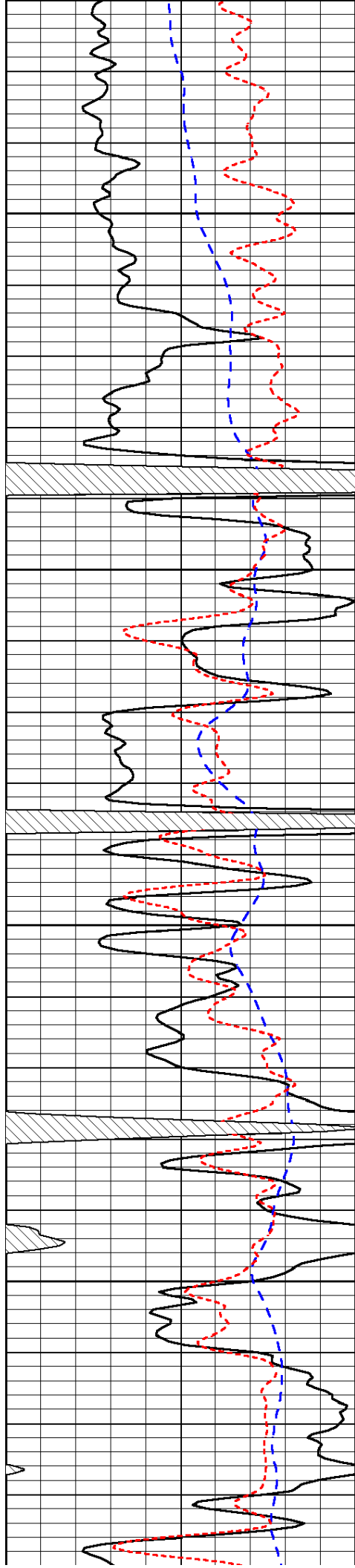
-30



3900
3950
4000
4050
4100



3900
3950
4000
4050
4100
-30
-31
-32
-31

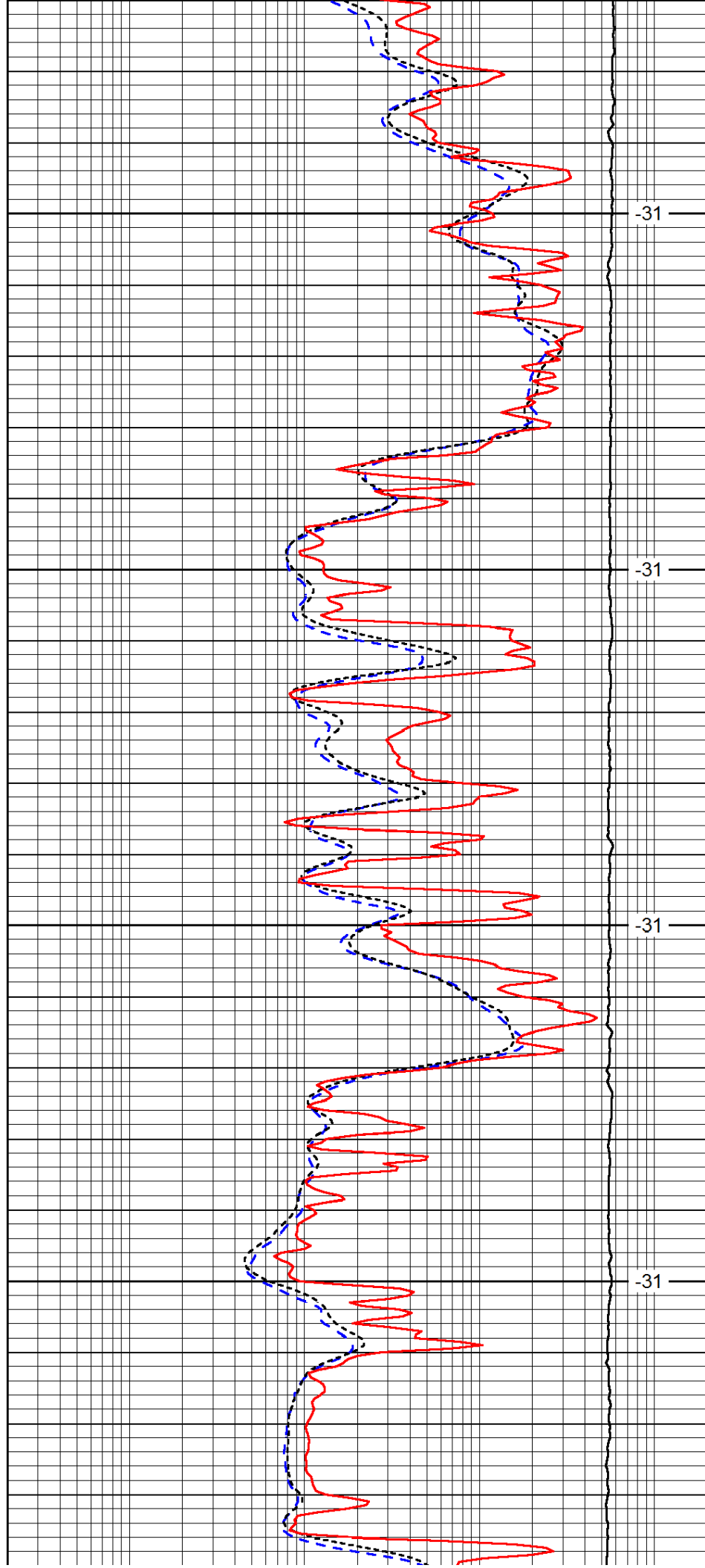


4150

4200

4250

4300

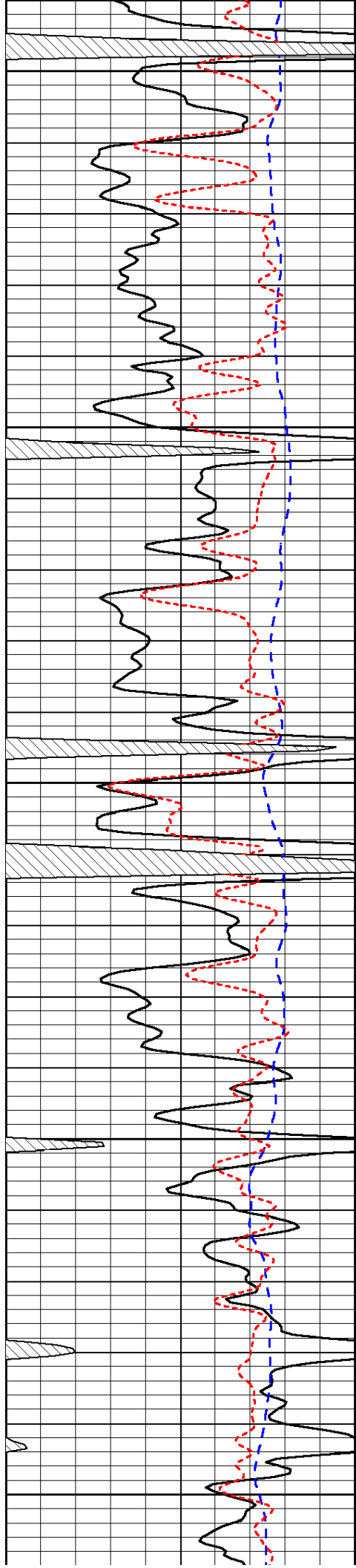


-31

-31

-31

-31



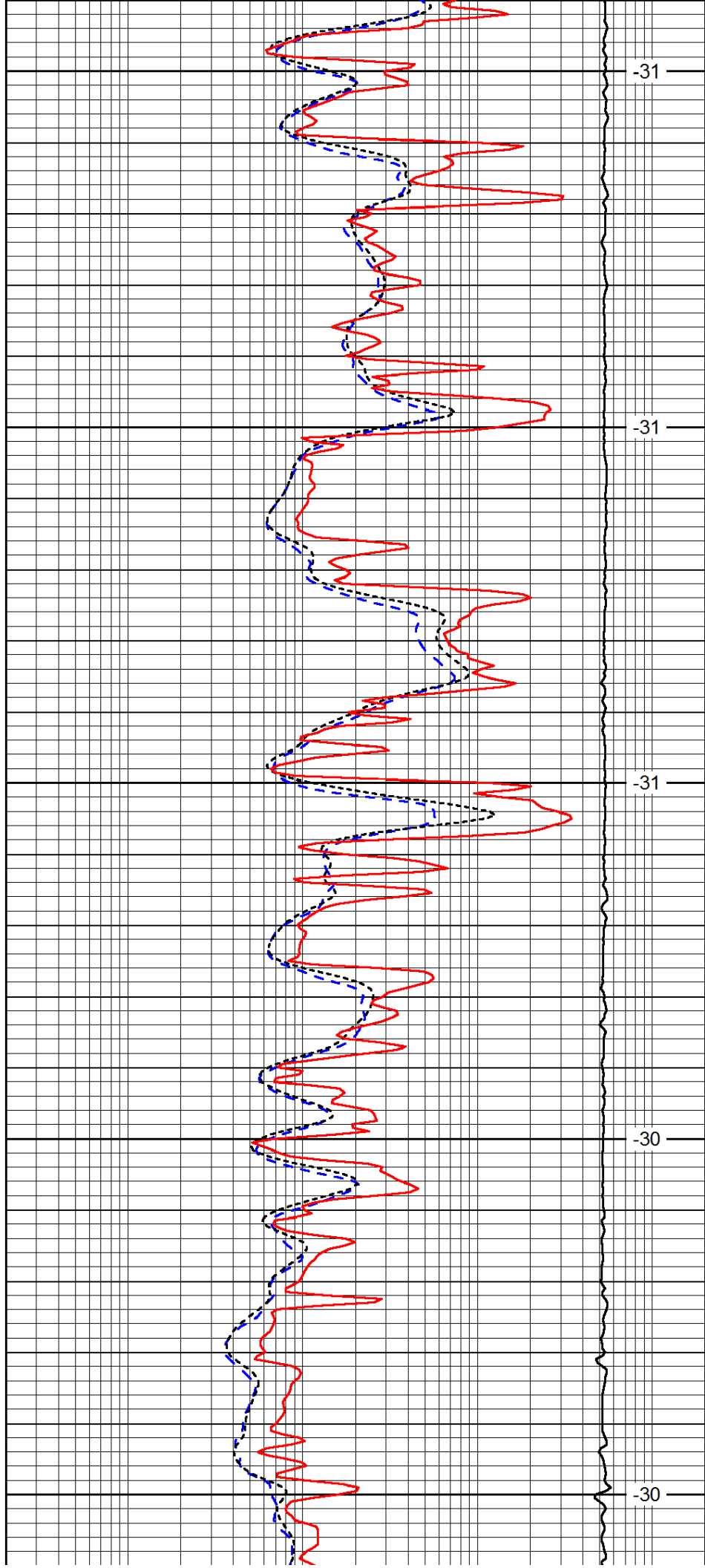
4350

4400

4450

4500

4550



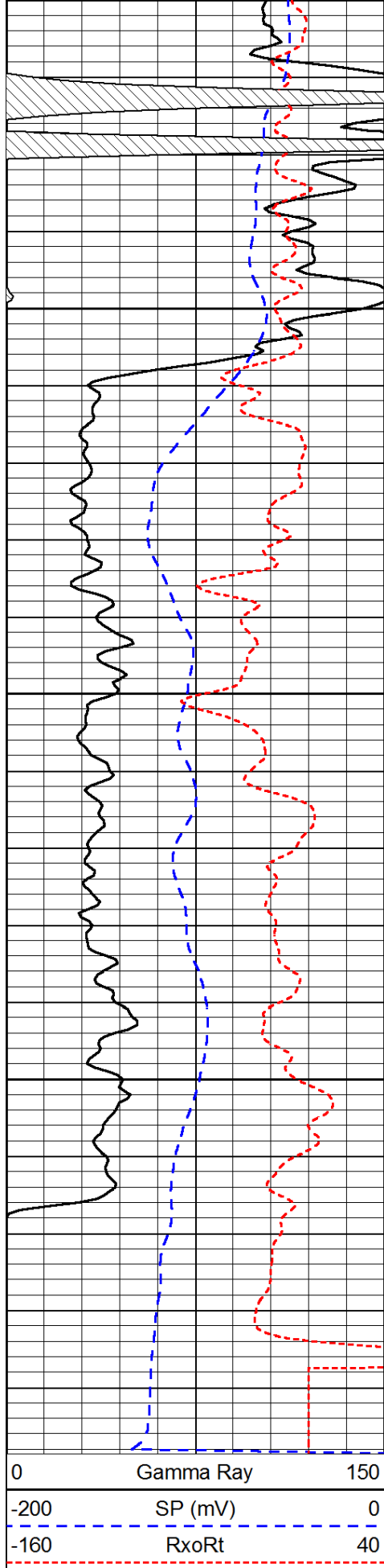
-31

-31

-31

-30

-30

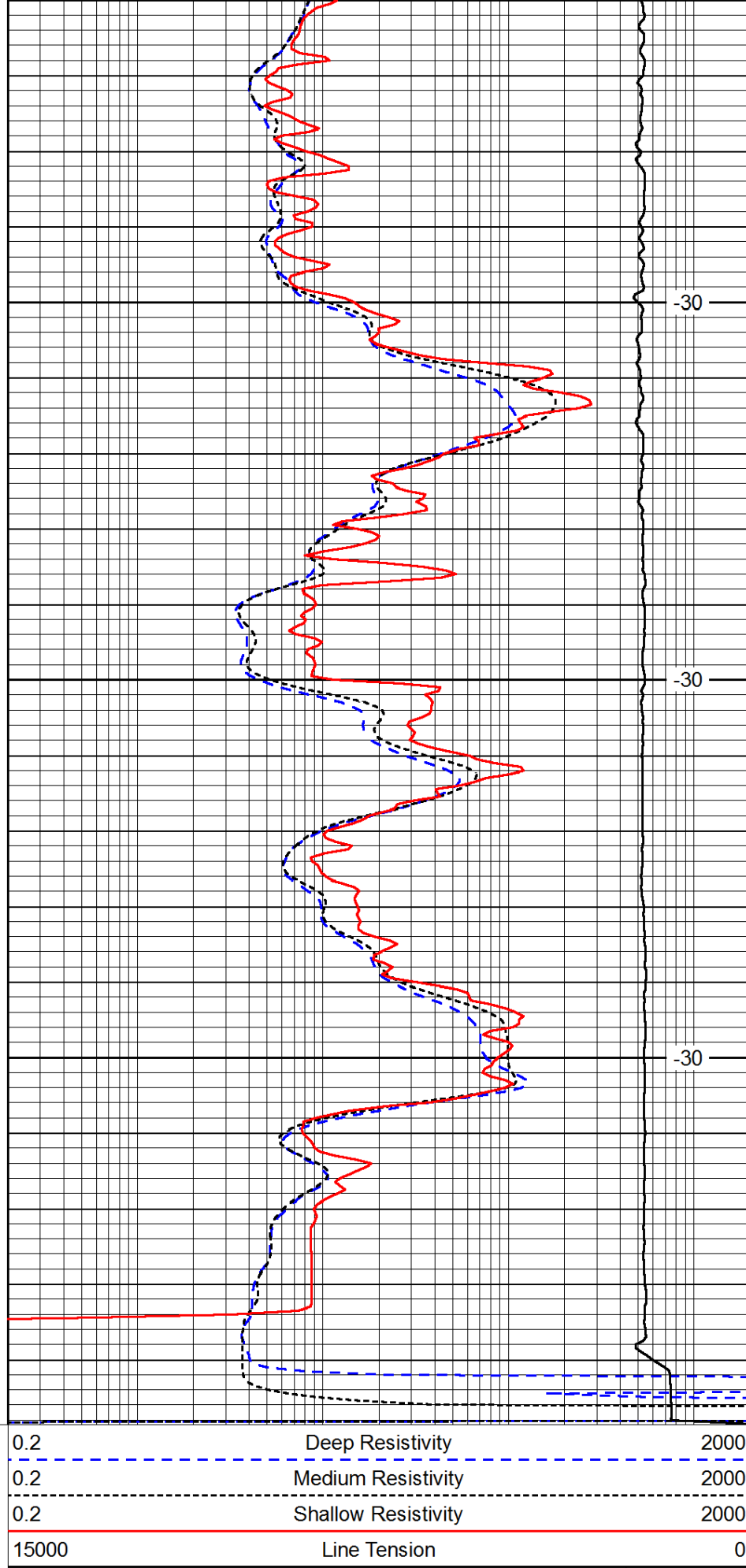


4600

4650

4700

0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40



-30

-30

-30

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD