



Dual Induction Log

Pioneer Energy Services

API No.	Company New Gulf Operating, LLC			
	Well Marius #1-15			
	Field			
	County	Logan	State	Kansas
	Location	SW-SW-NW-SE 1388' FSL & 2379' FWL		
	Sec: 15	Twp: 14S	Rge: 34W	Other Services CNL/CDL MEL
Permanent Datum	Ground Level	Elevation 3029		Elevation
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum		K.B. 3038
Drilling Measured From	Kelly Bushing			D.F. 3029
Date	9/7/2014			
Run Number	One			
Depth Driller	4765			
Depth Logger	4764			
Bottom Logged Interval	4763			
Top Log Interval	250			
Casing Driller	8.625 @ 252			
Casing Logger	263			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	7.000			
Density / Viscosity	9.1 56			
pH / Fluid Loss	10.0 9.6			
Source of Sample	Flowline			
Rm @ Meas. Temp	.28 @ 74			
Rmf @ Meas. Temp	.21 @ 74			
Rmc @ Meas. Temp	.38 @ 74			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.17 @ 124			
Operating Rig Time	5 Hours			
Max Rec. Temp. F	124			
Equipment Number	108			
Location	Hays			
Recorded By	J. Henrickson			
Witnessed By	John Goldsmith			

<<< 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

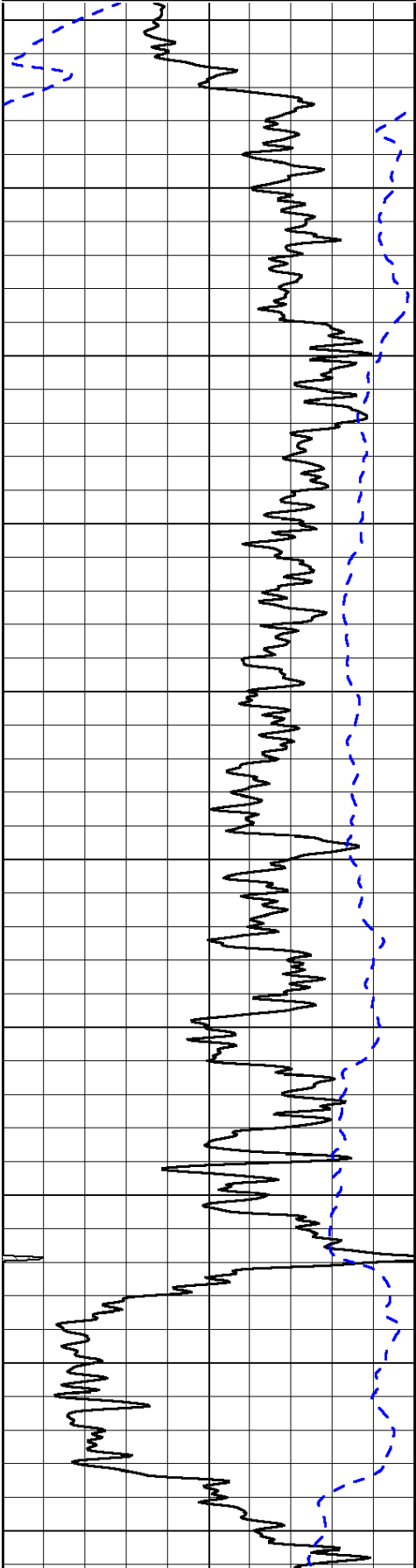
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Russell Springs Kansas
1/2 East to 270 Rd, 7 South to Indian Rd, East to 320 Rd, 1 North, West Into

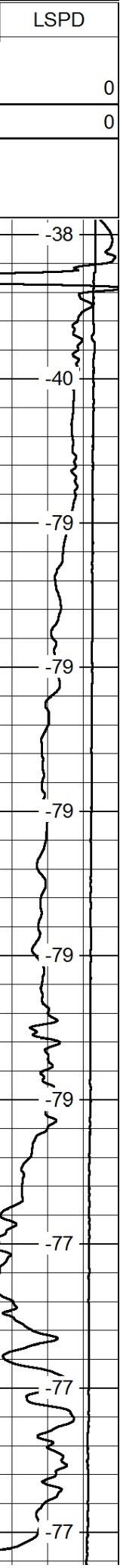
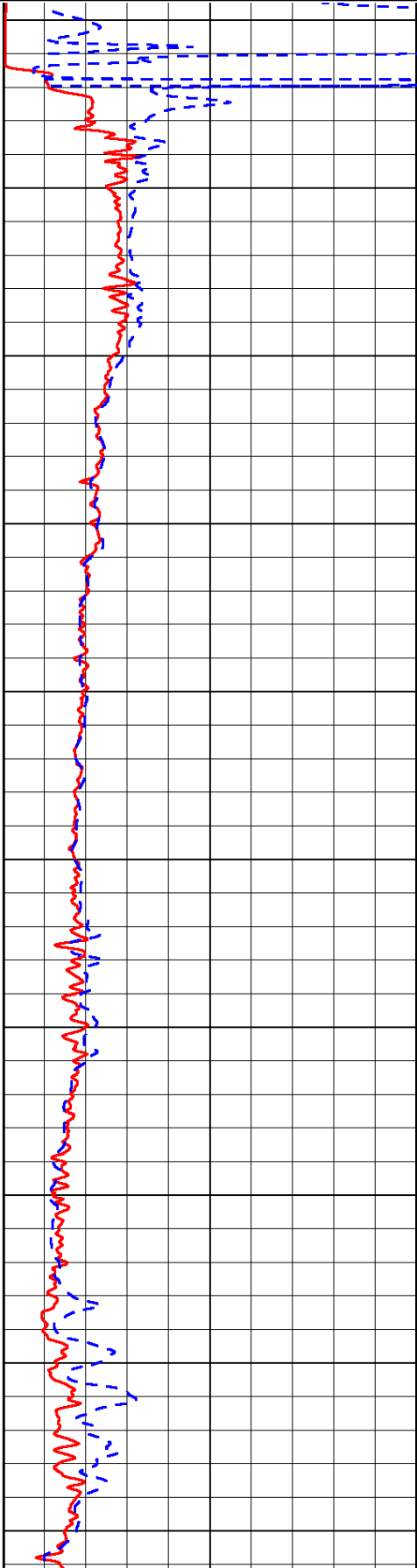
Database File: c:\warrior\data\new gulf_marius #1-15\newgulf_marius_1_15hd.db
Dataset Pathname: DIL/newstk
Presentation Format: dil2in
Dataset Creation: Sun Sep 07 22:14:49 2014
Charted by: Depth in Feet scaled 1:600

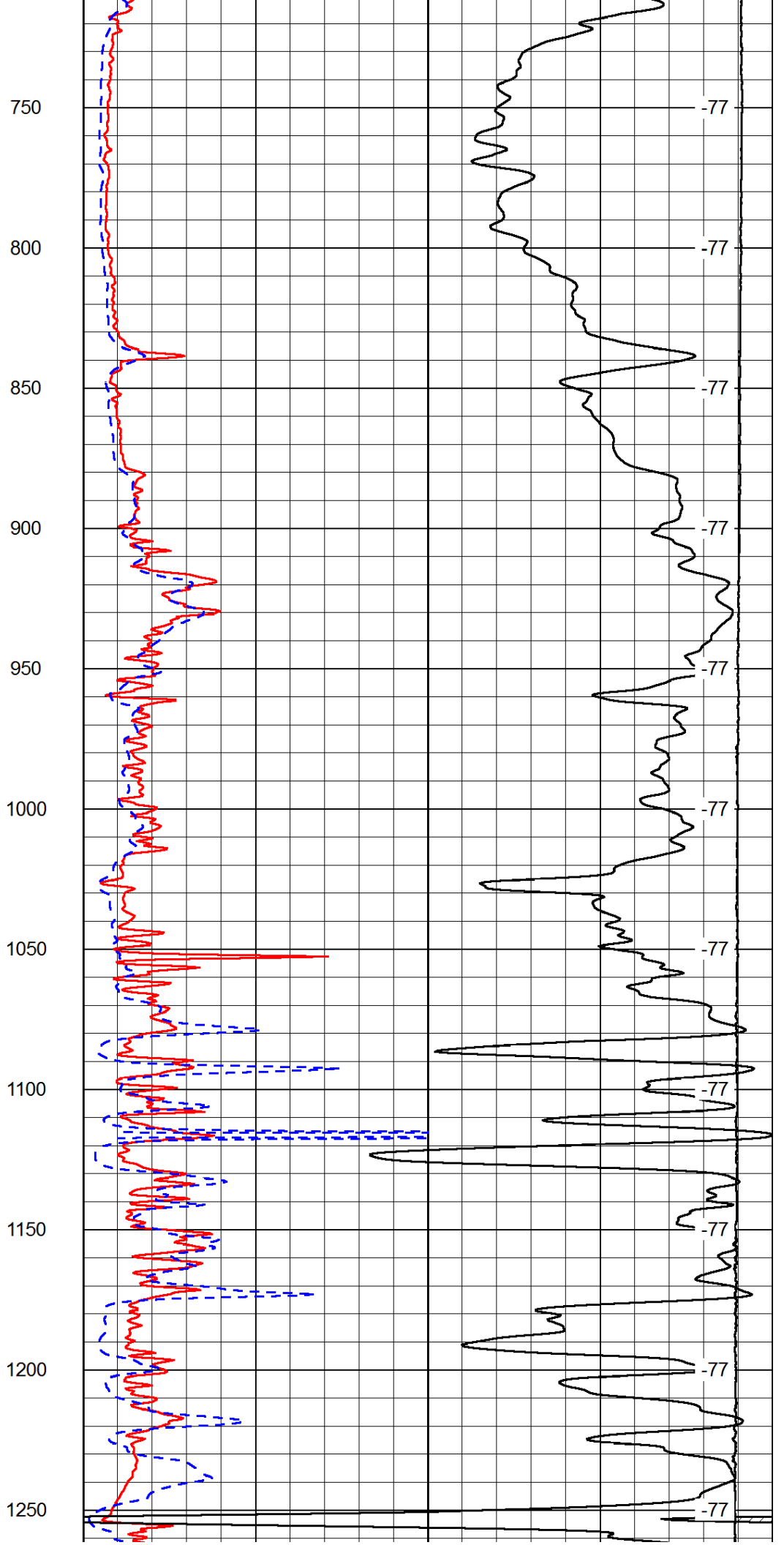
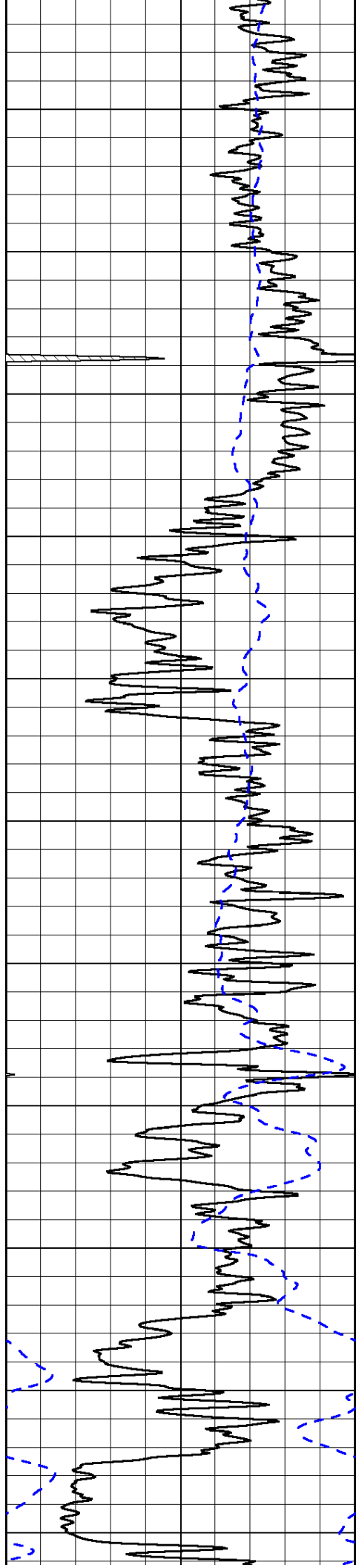
Charted by: Depth in Feet scaled 1:600

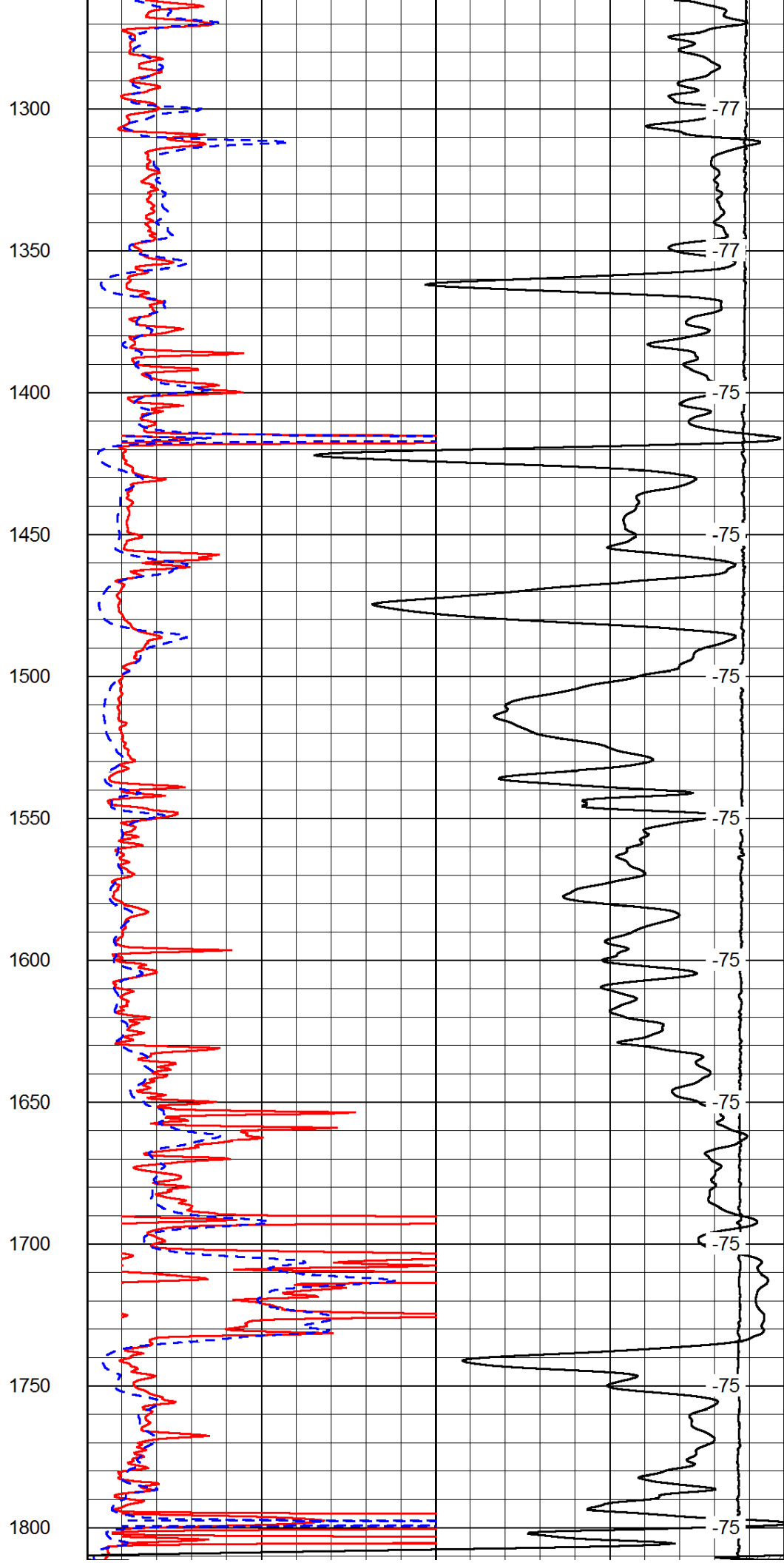
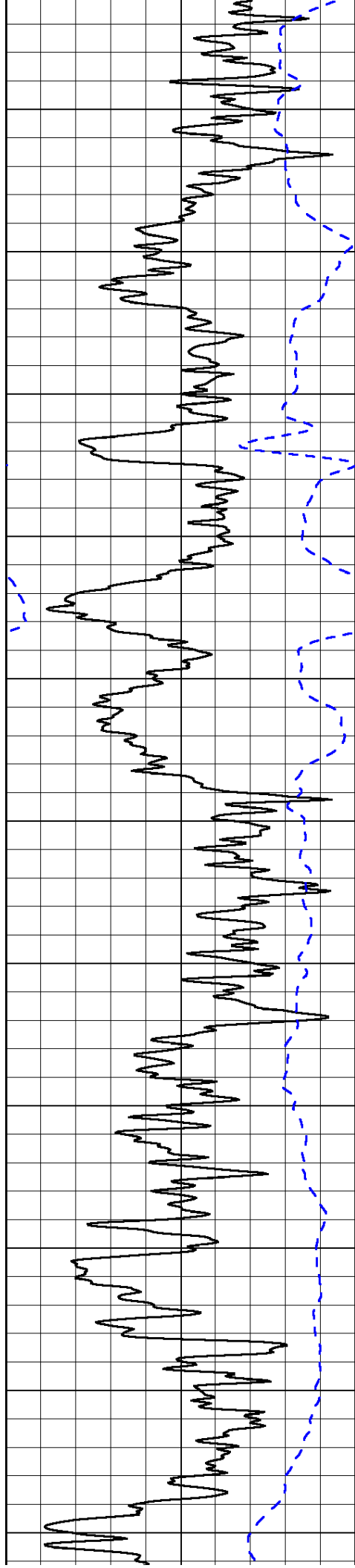
0	Gamma Ray	150
-200	SP (mV)	0

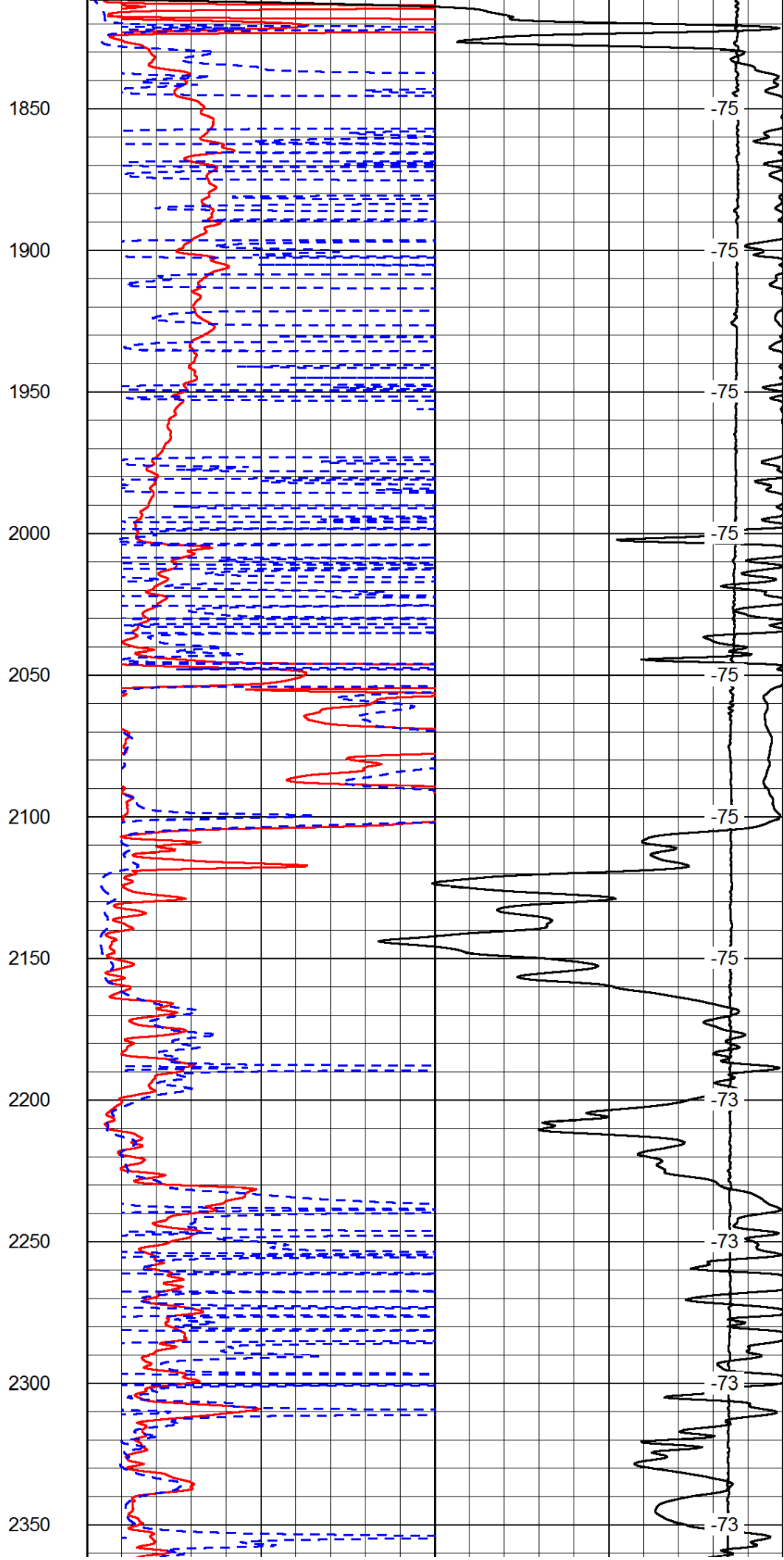
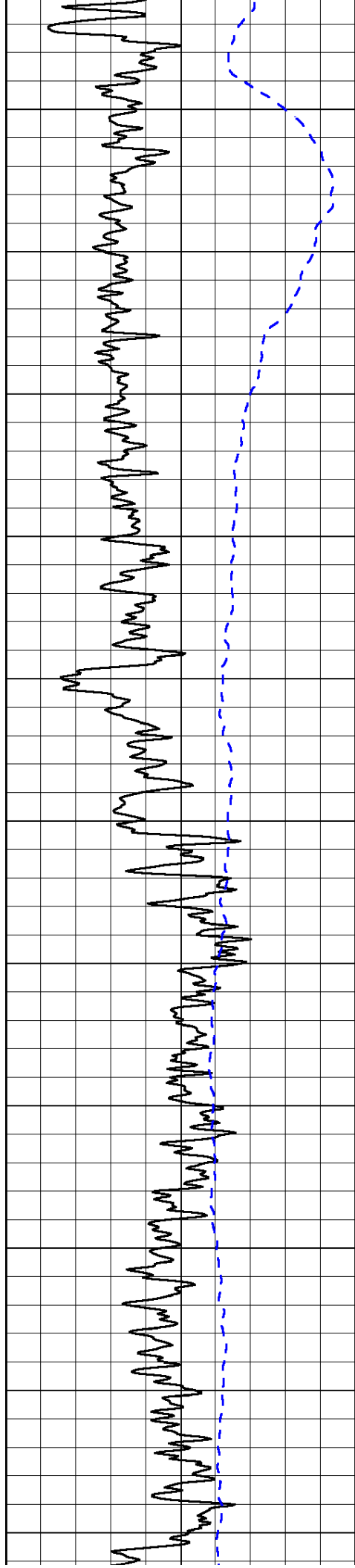


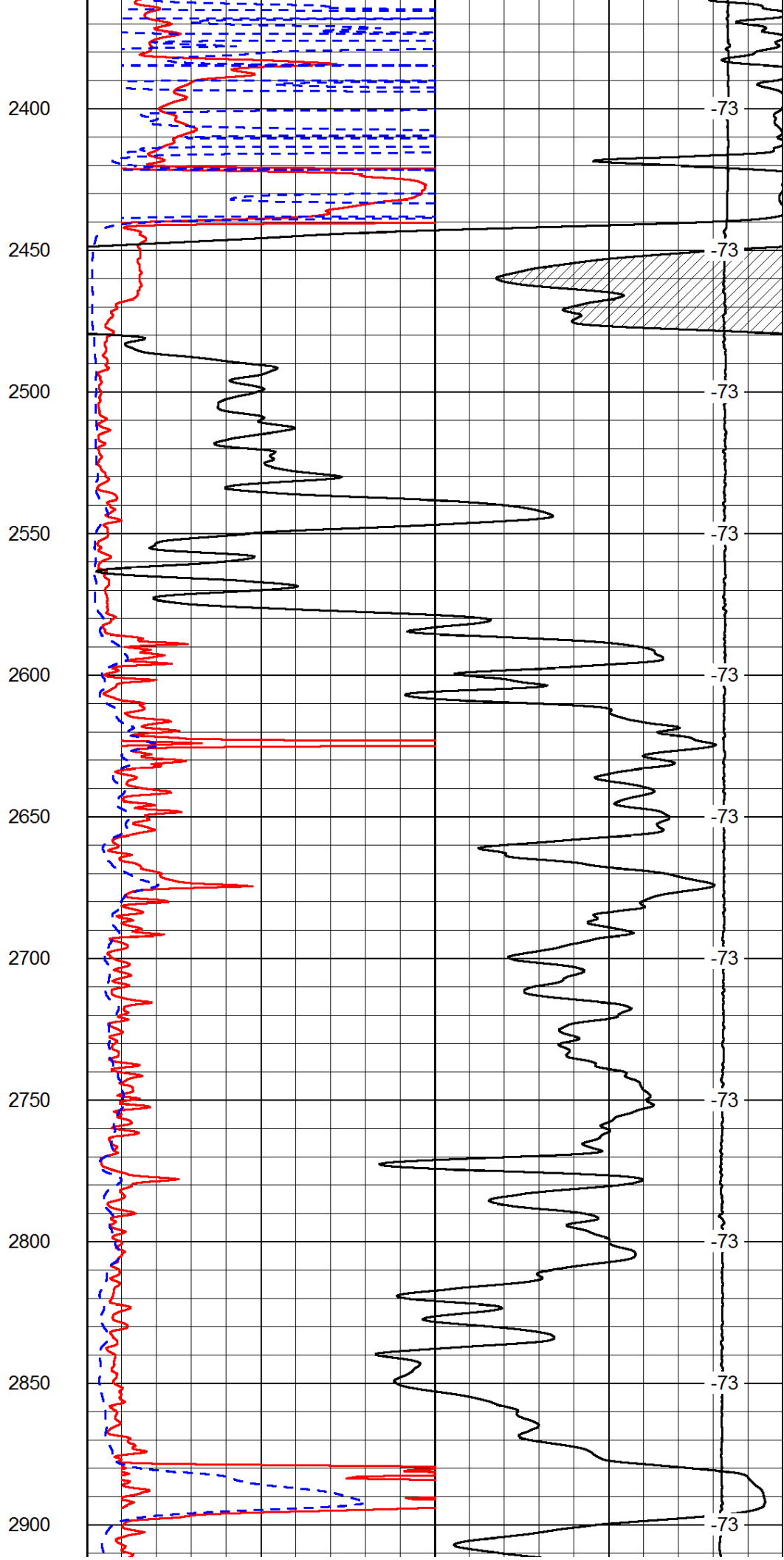
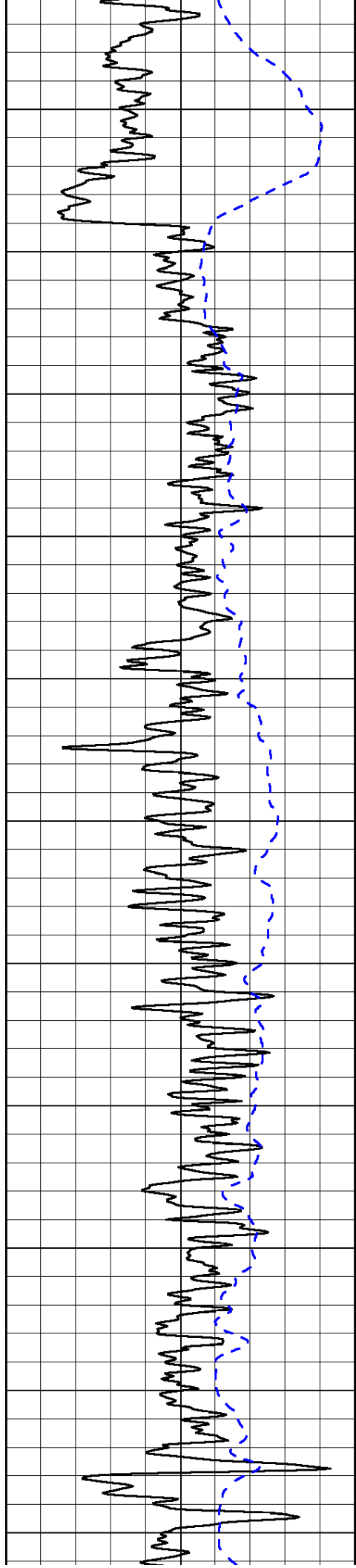
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

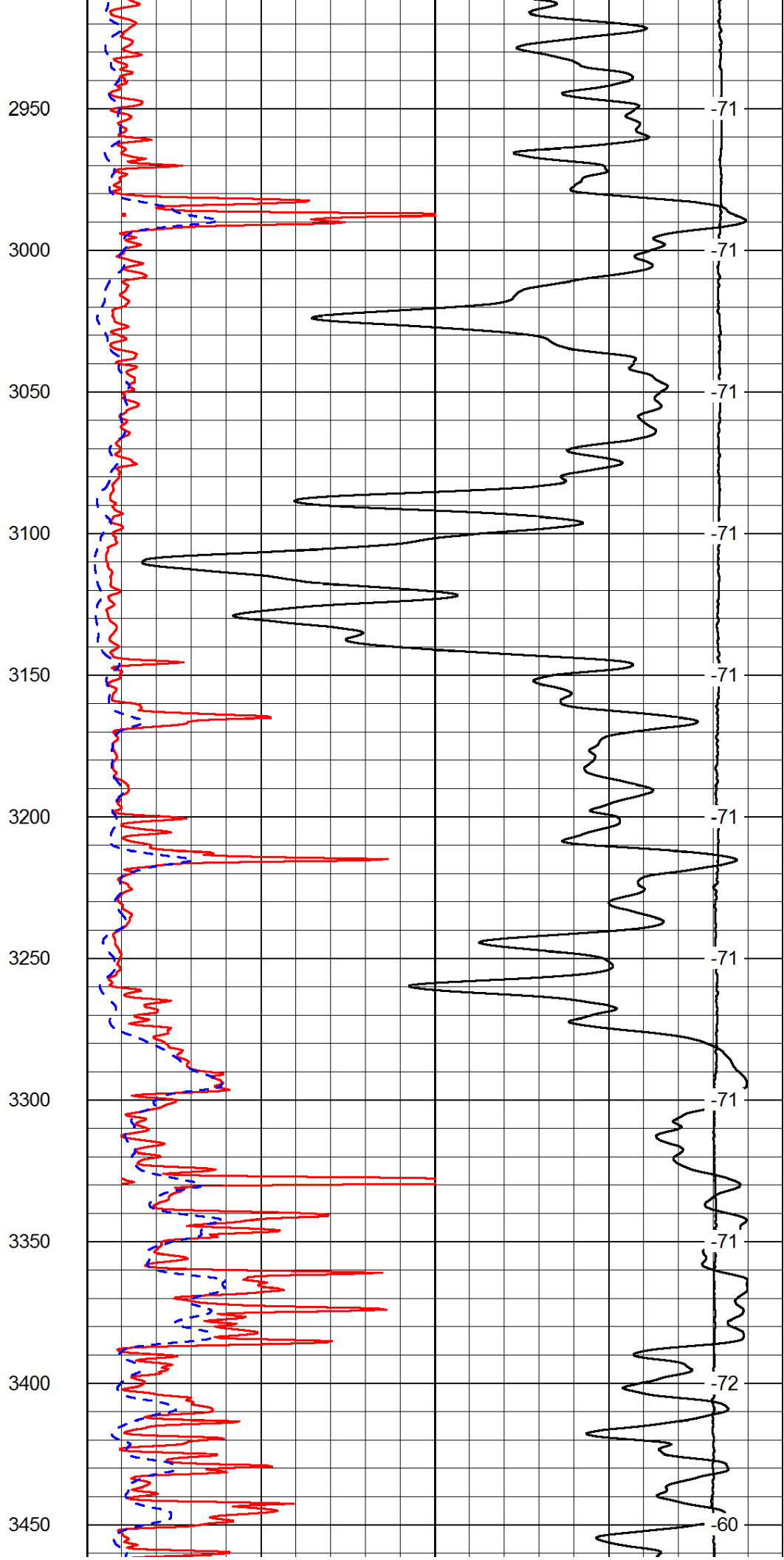
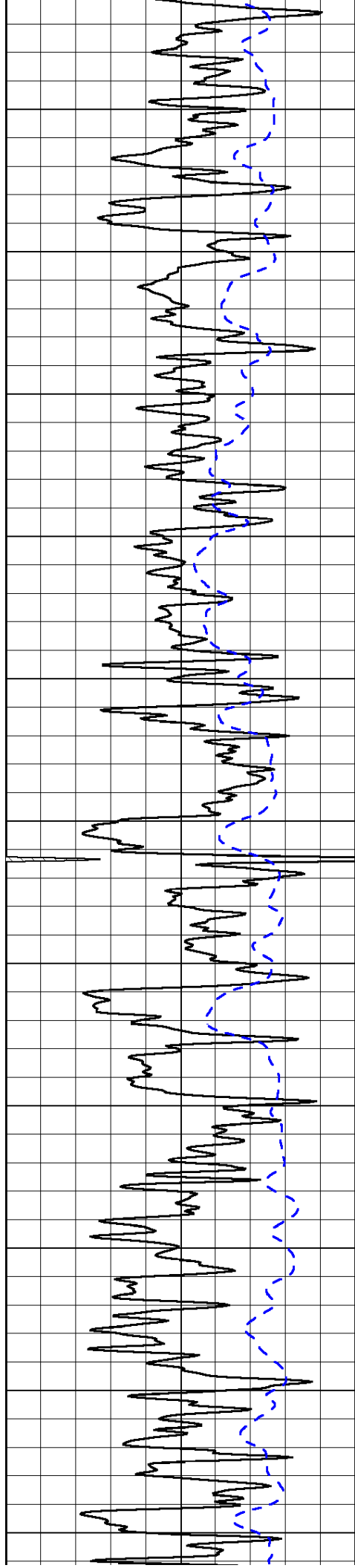


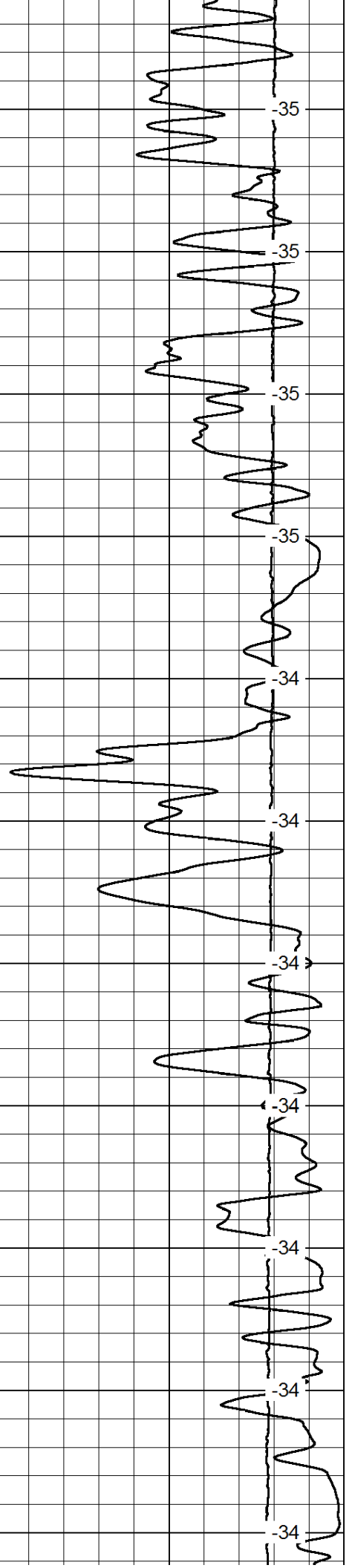
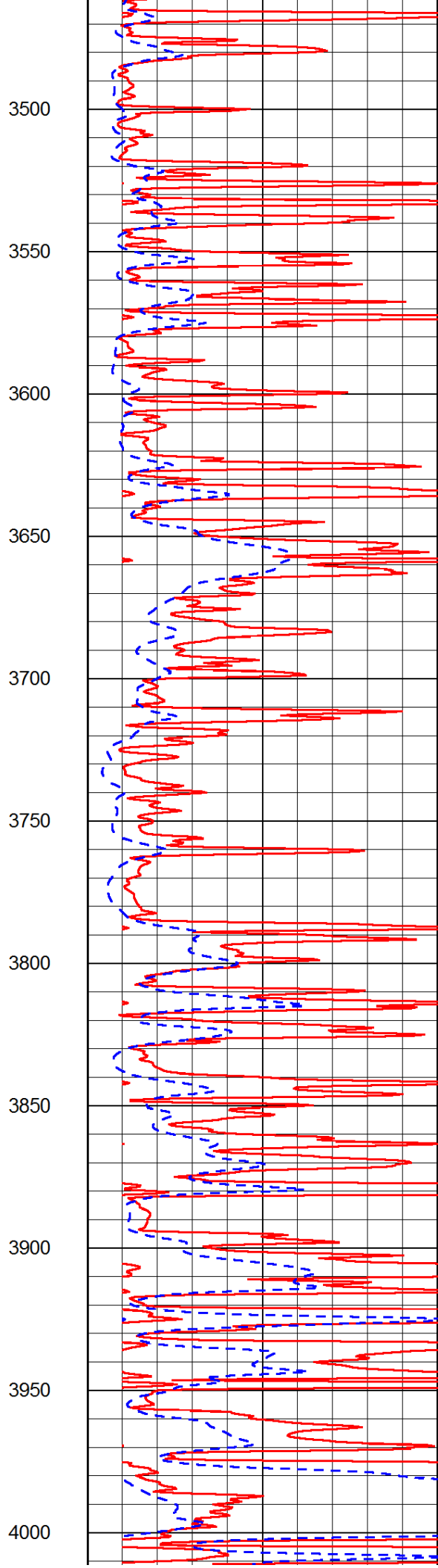
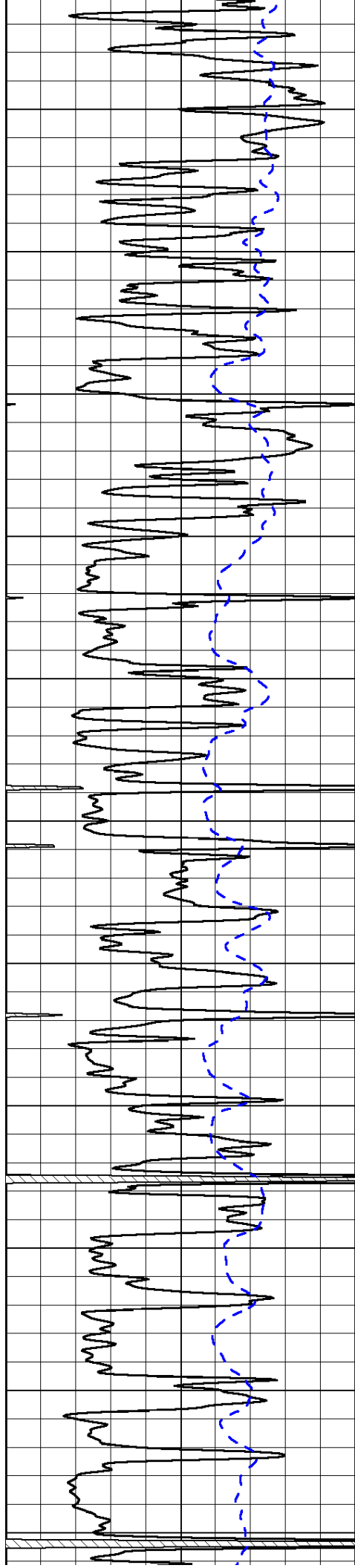


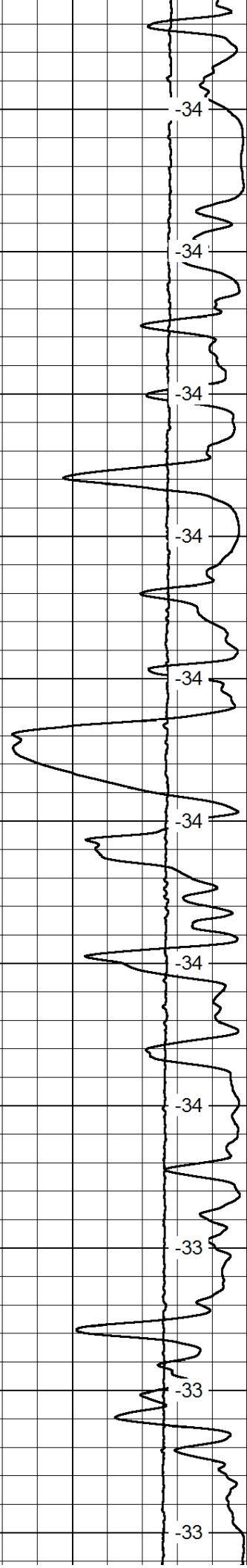
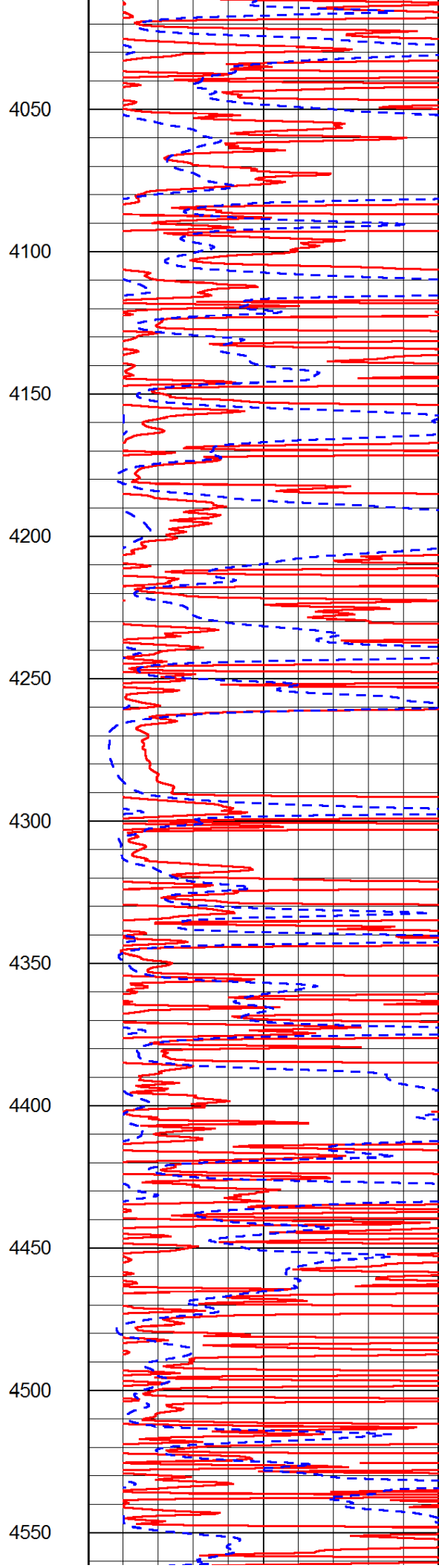
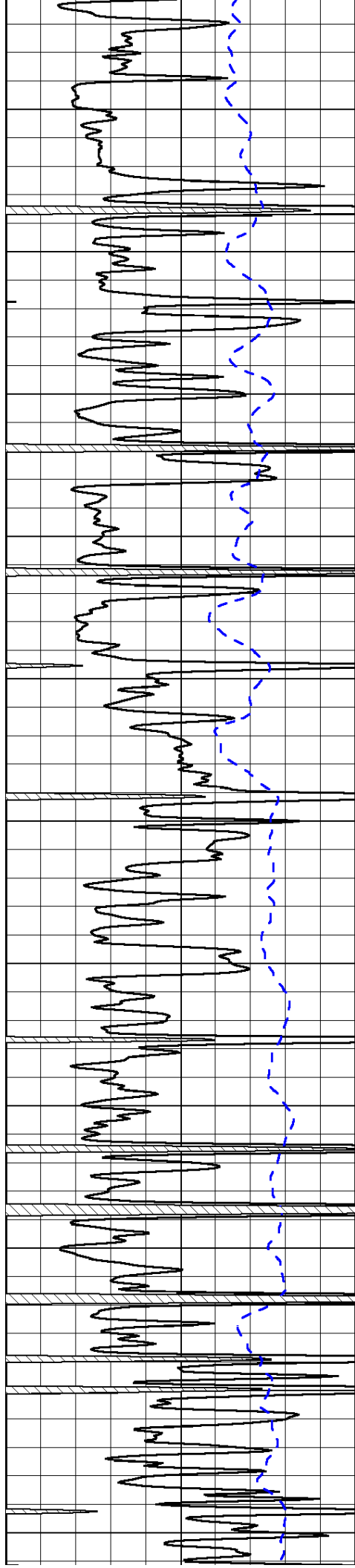


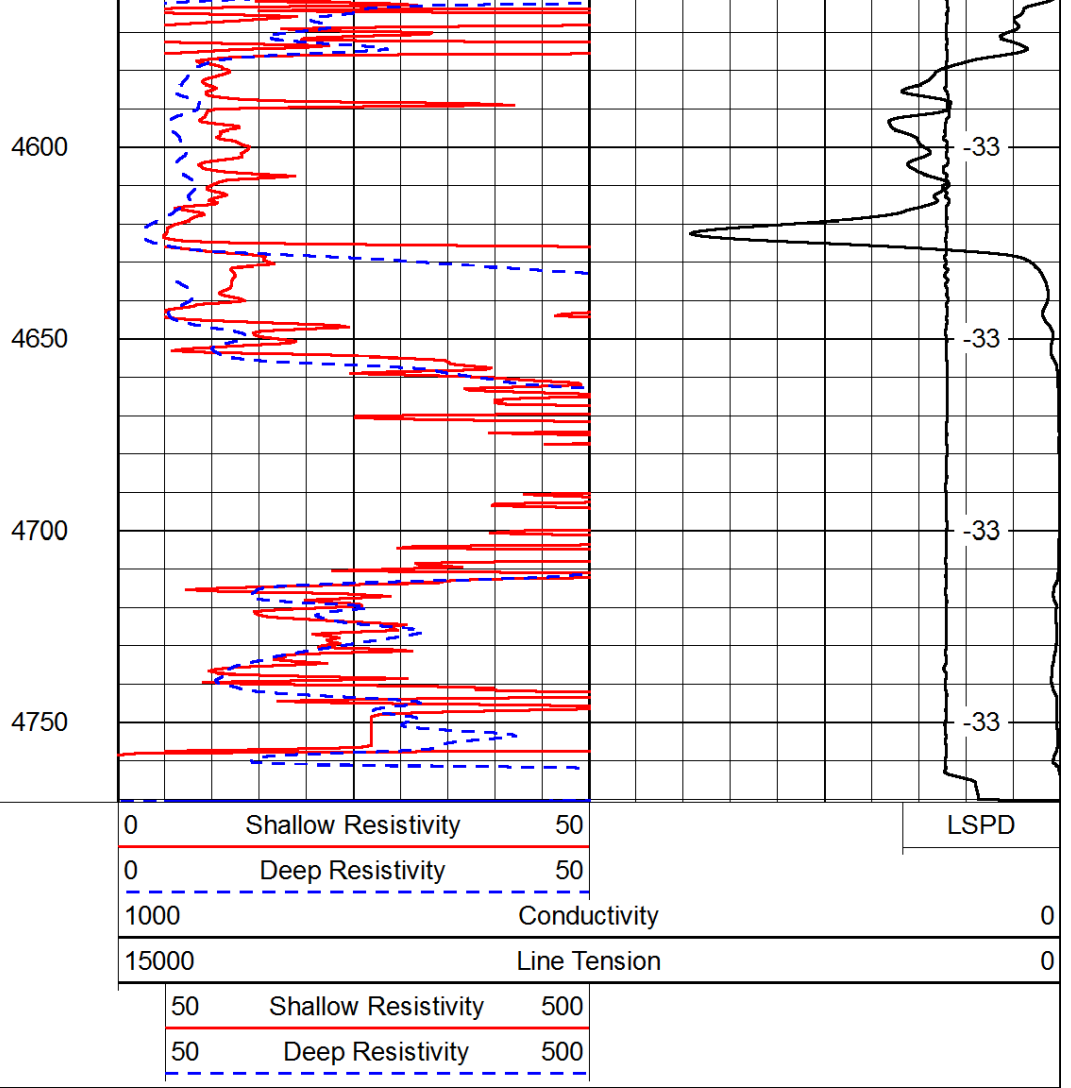
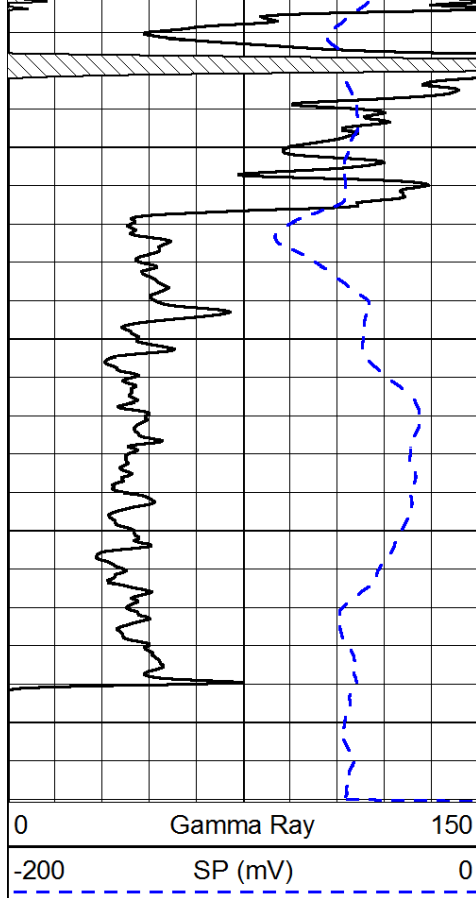












Database File: c:\warrior\data\new gulf_marius #1-15\newgulf_marius_1_15hd.db

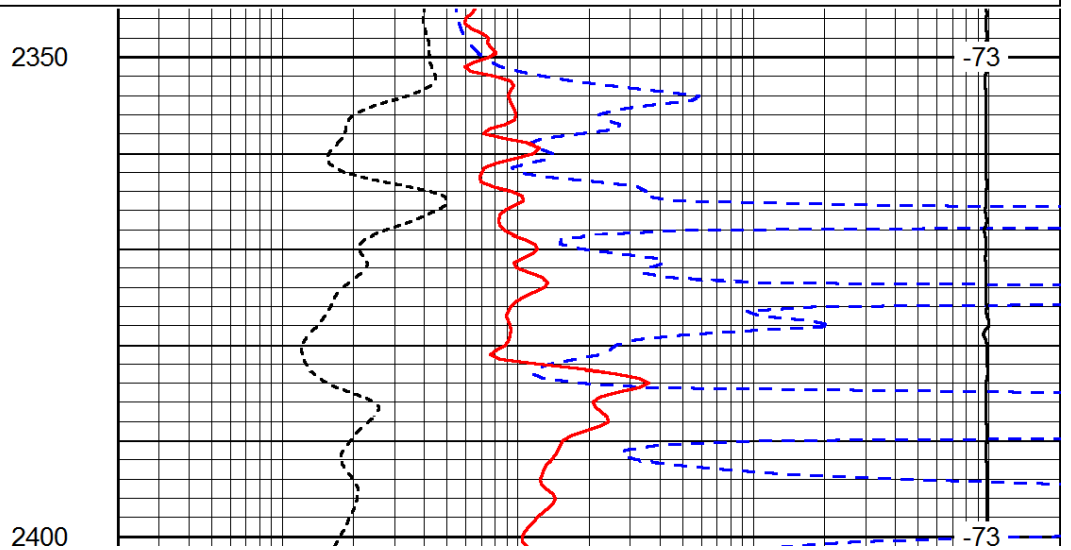
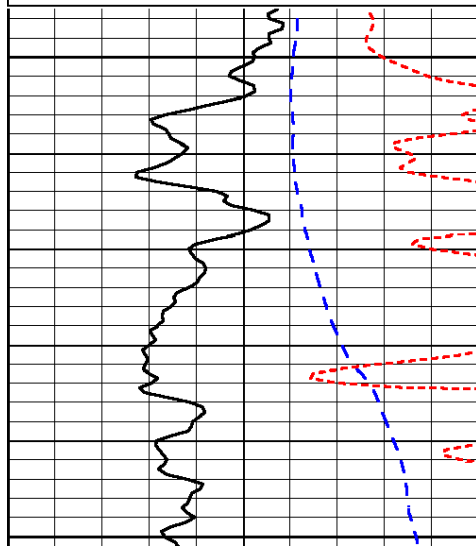
Dataset Pathname: DIL/newstk

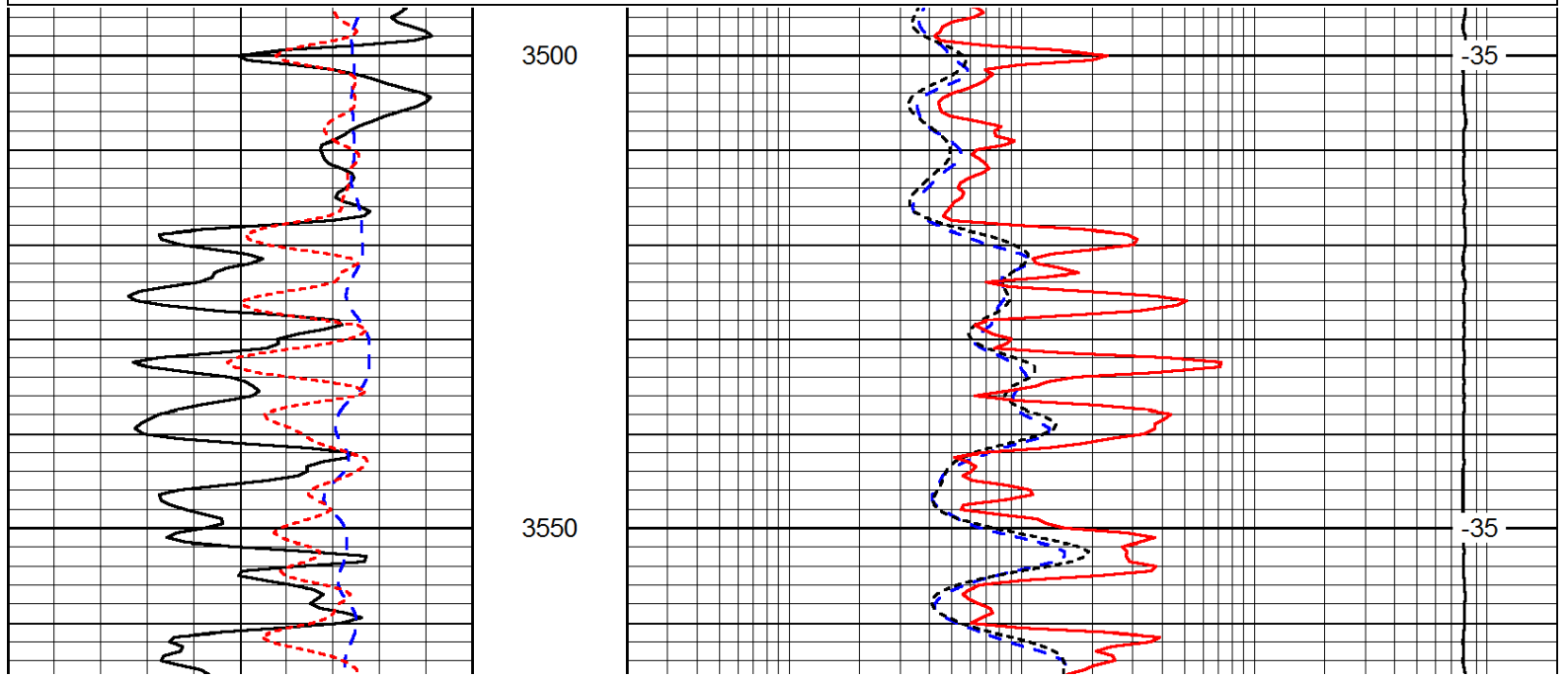
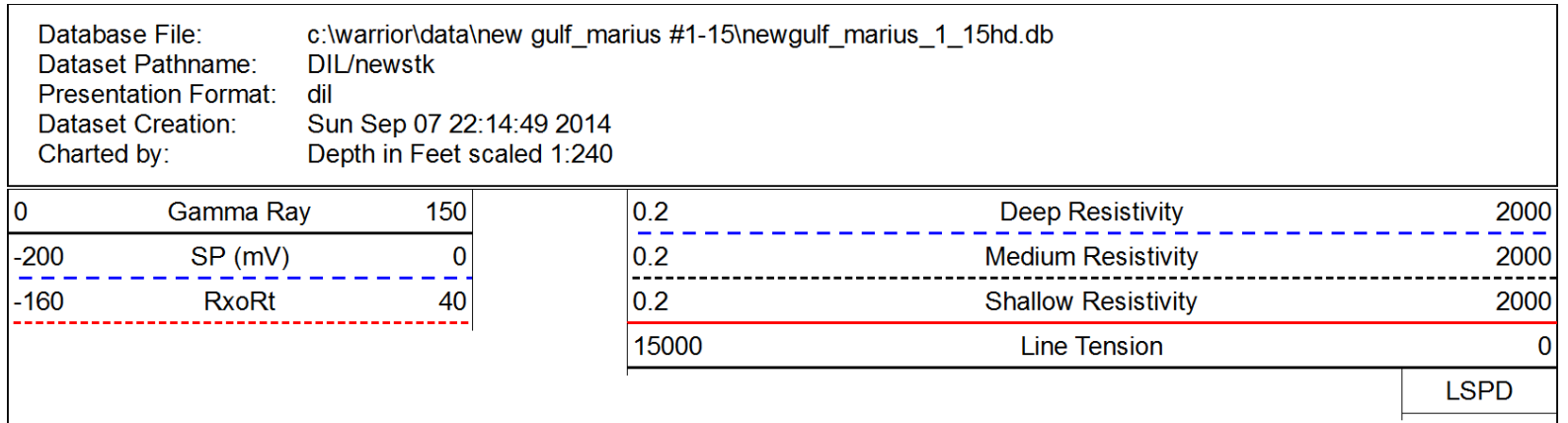
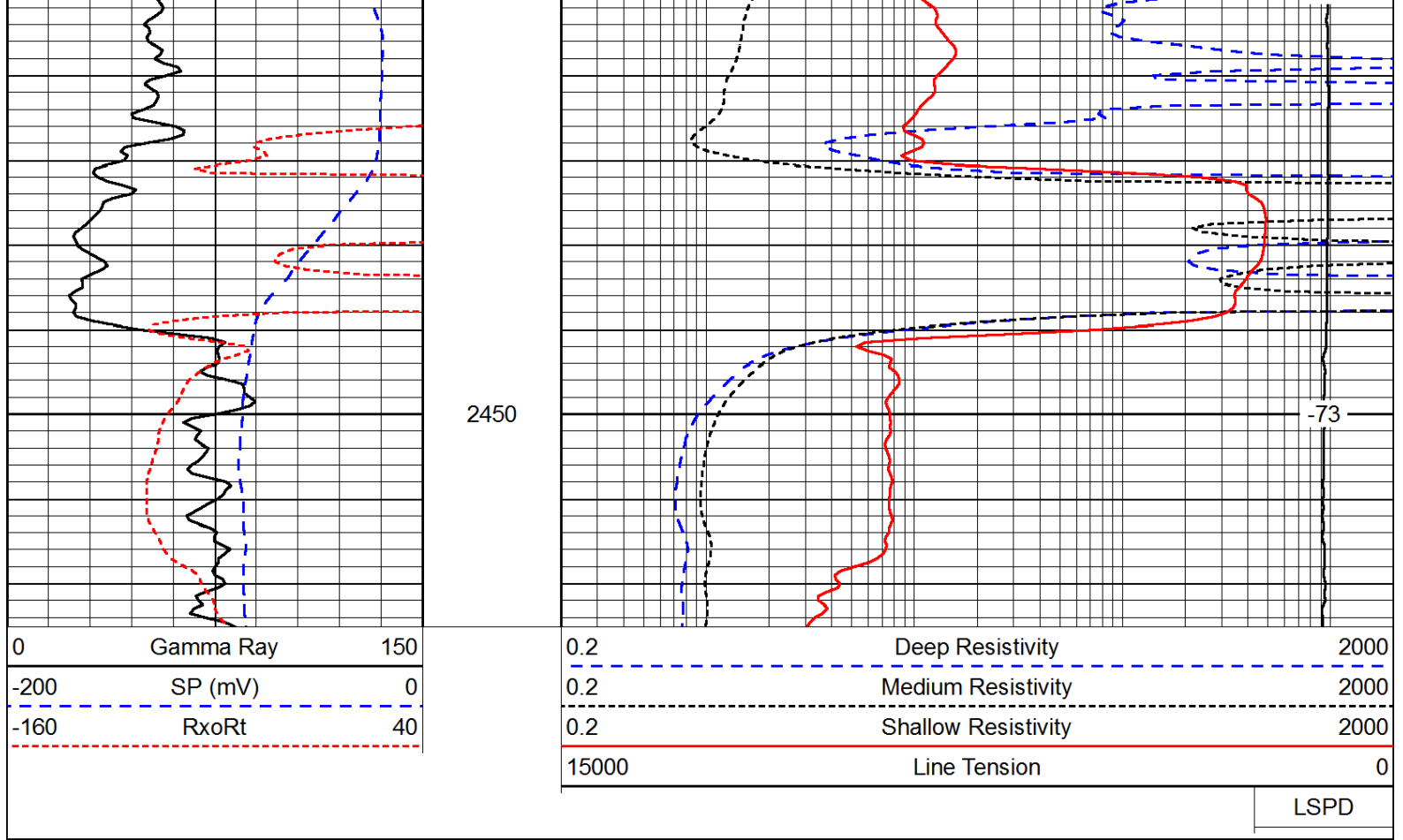
Presentation Format: dil

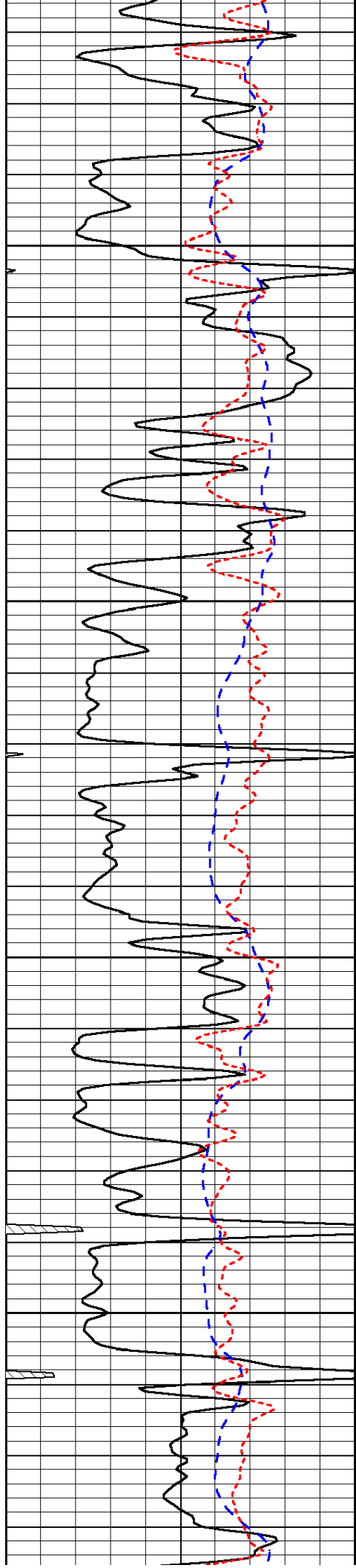
Dataset Creation: Sun Sep 07 22:14:49 2014

Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
-160	RxoRt	40	0.2	Shallow Resistivity	2000
			15000	Line Tension	0





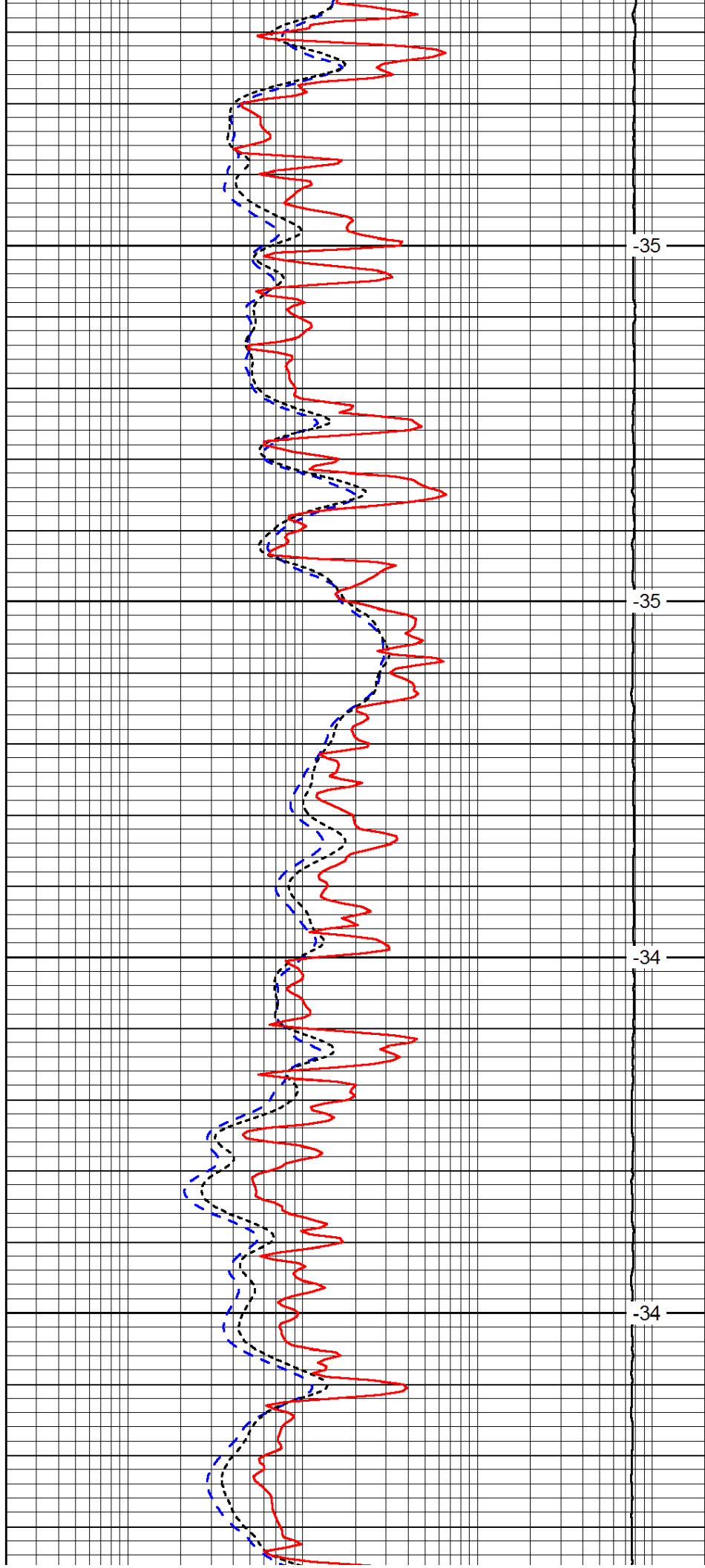


3600

3650

3700

3750

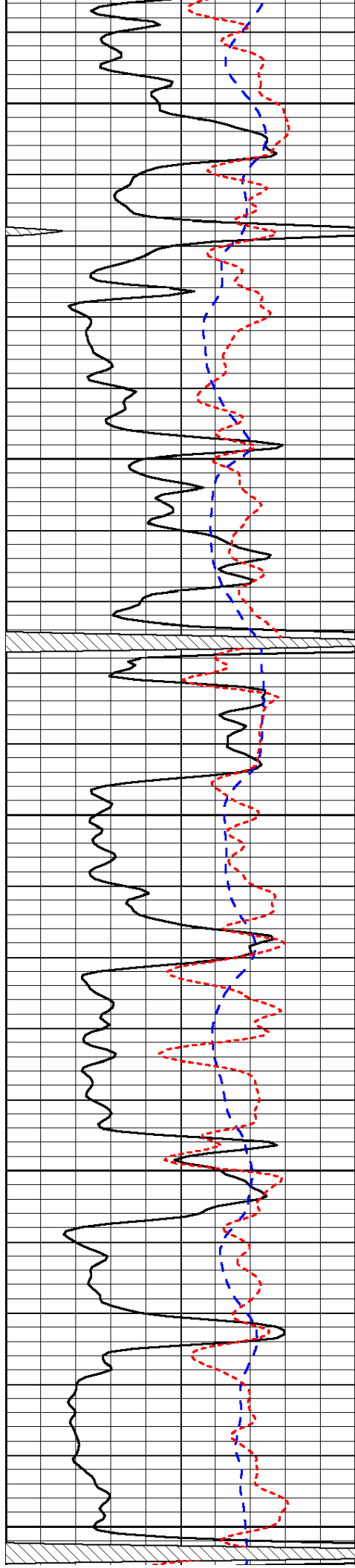


-35

-35

-34

-34



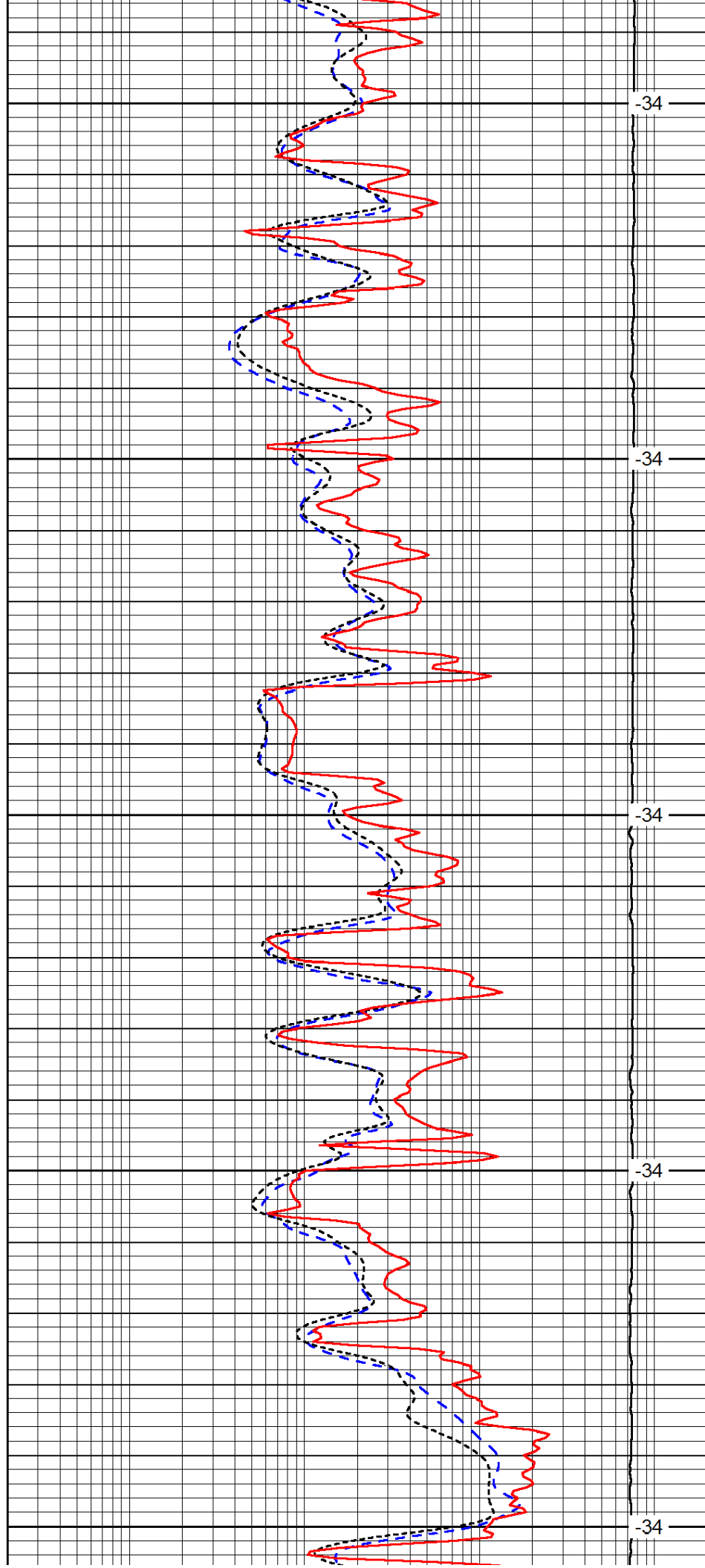
3800

3850

3900

3950

4000



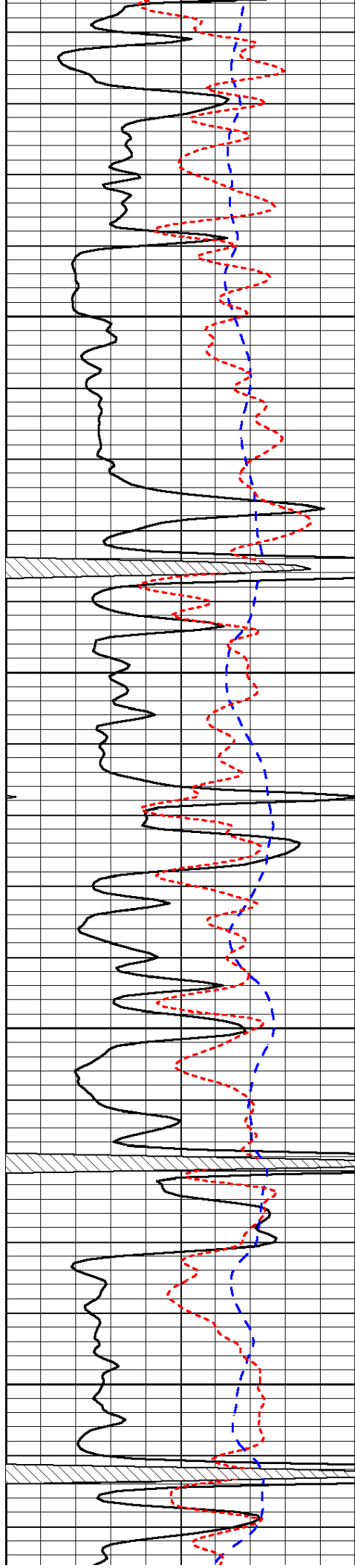
-34

-34

-34

-34

-34

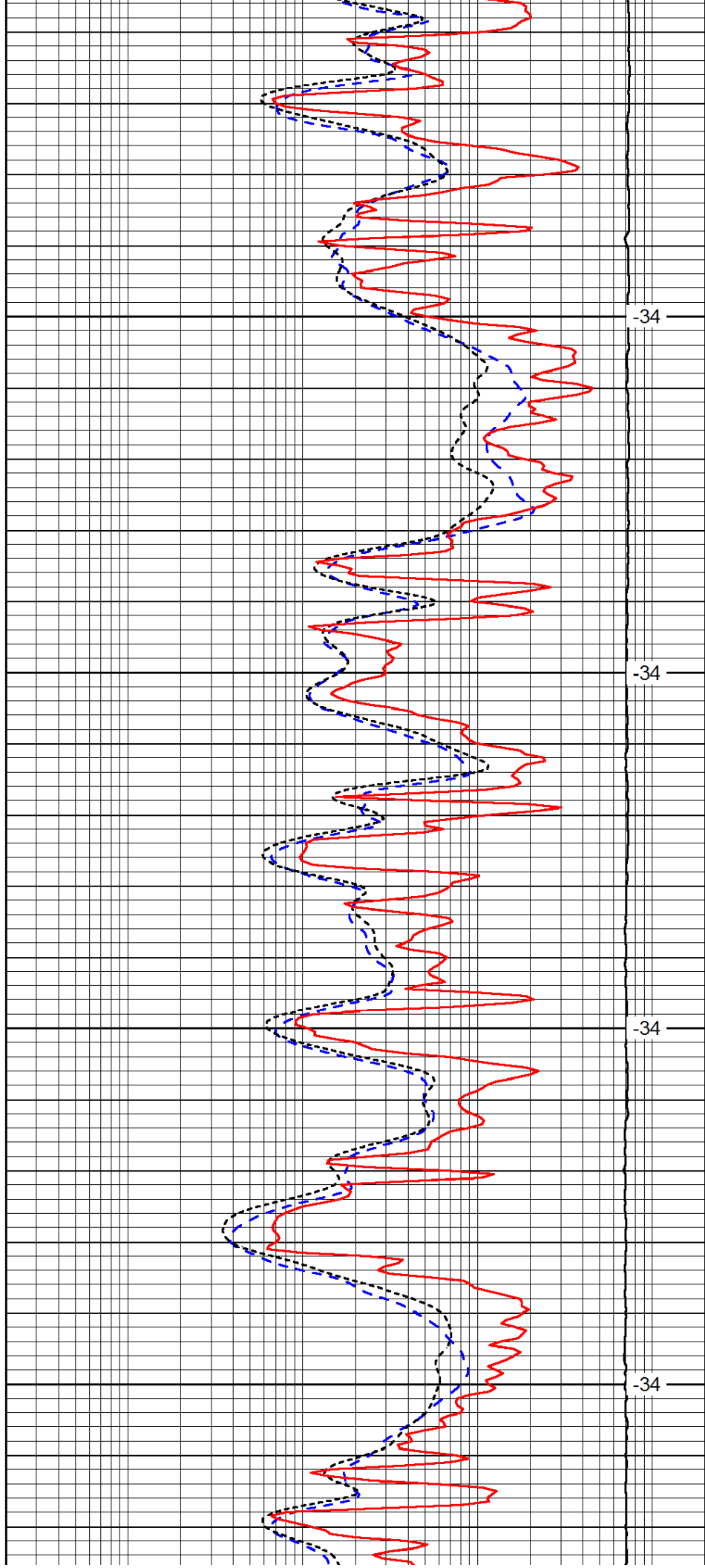


4050

4100

4150

4200

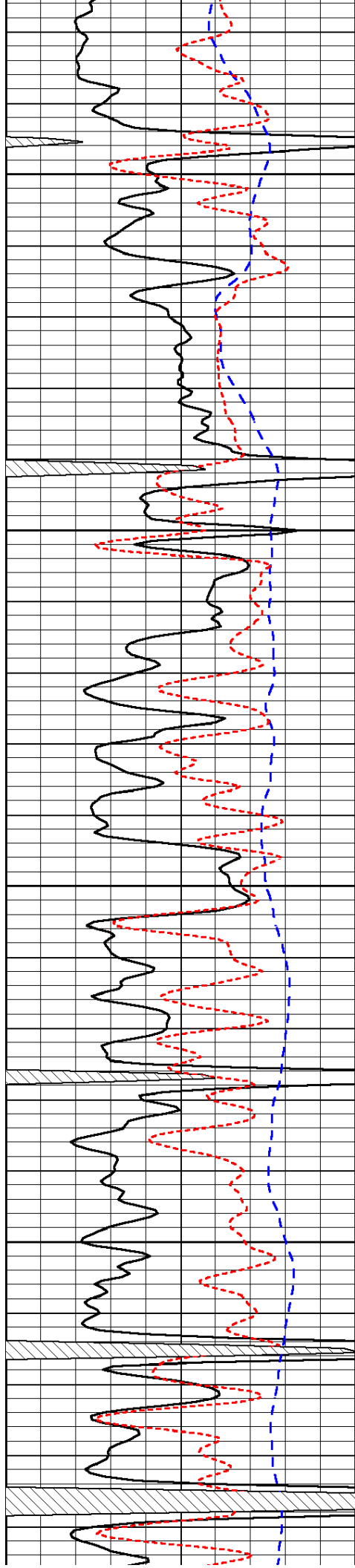


-34

-34

-34

-34

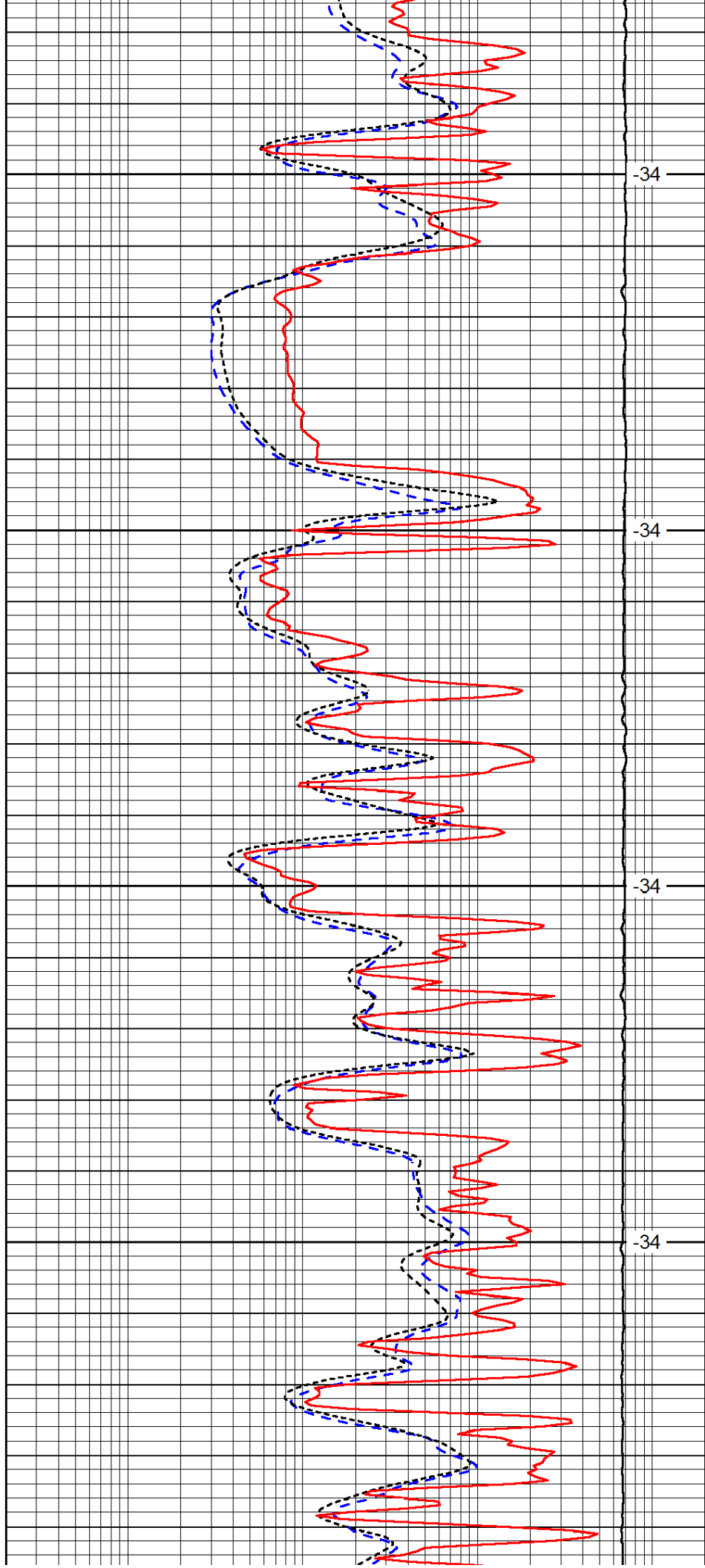


4250

4300

4350

4400

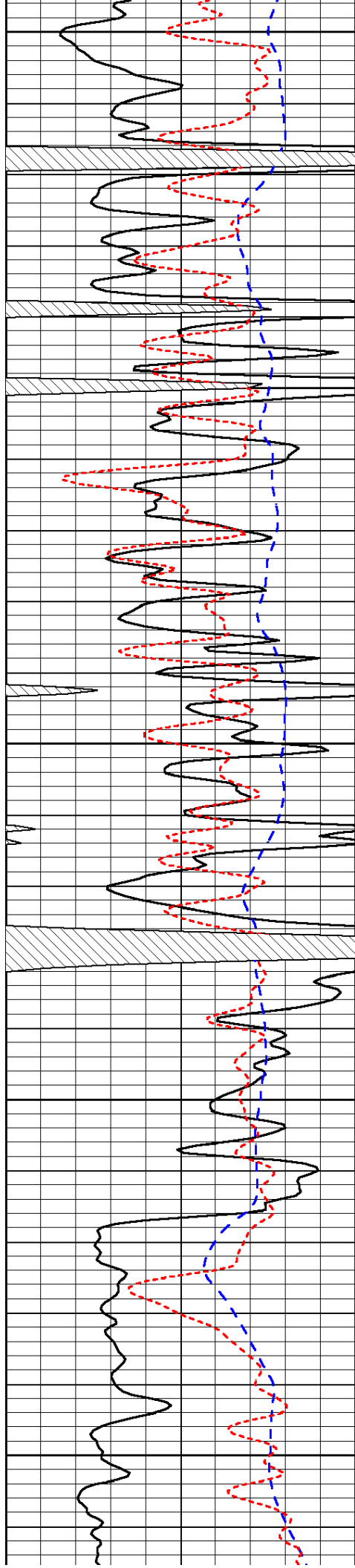


-34

-34

-34

-34



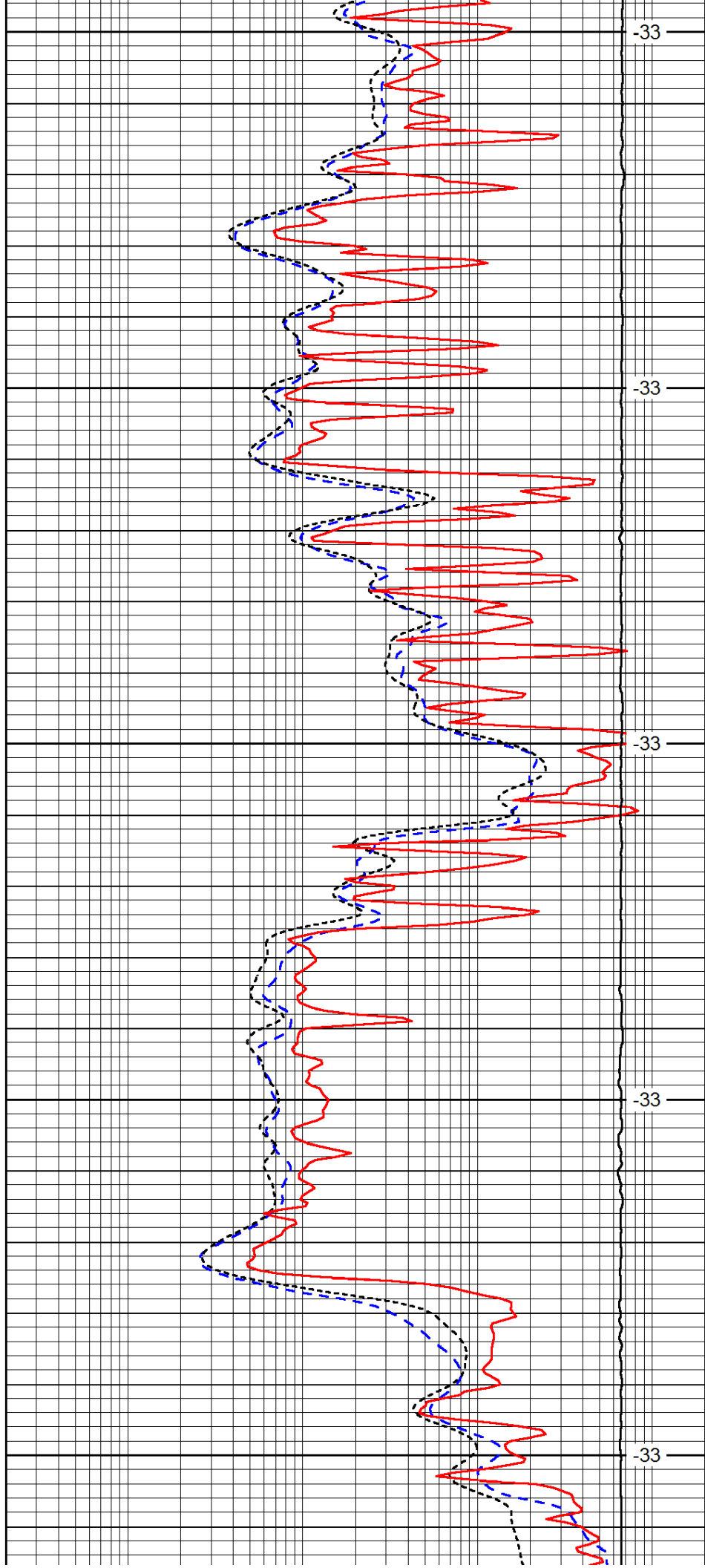
4450

4500

4550

4600

4650



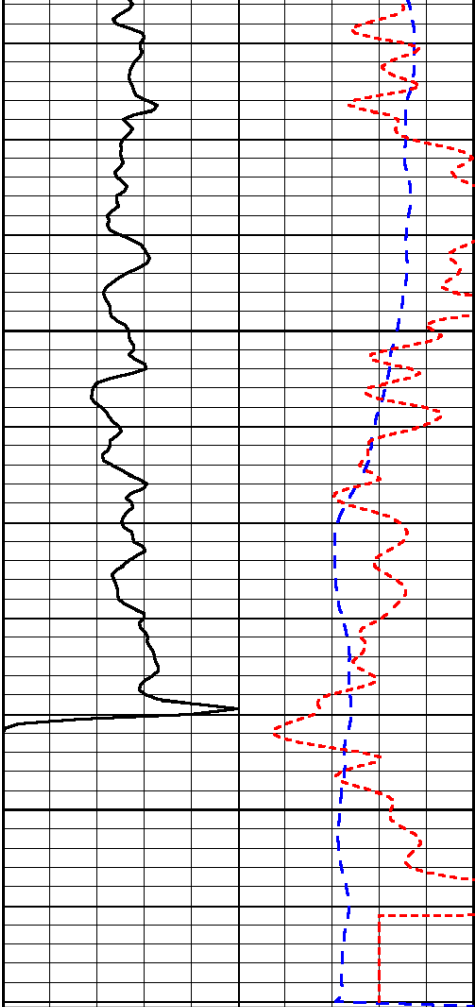
-33

-33

-33

-33

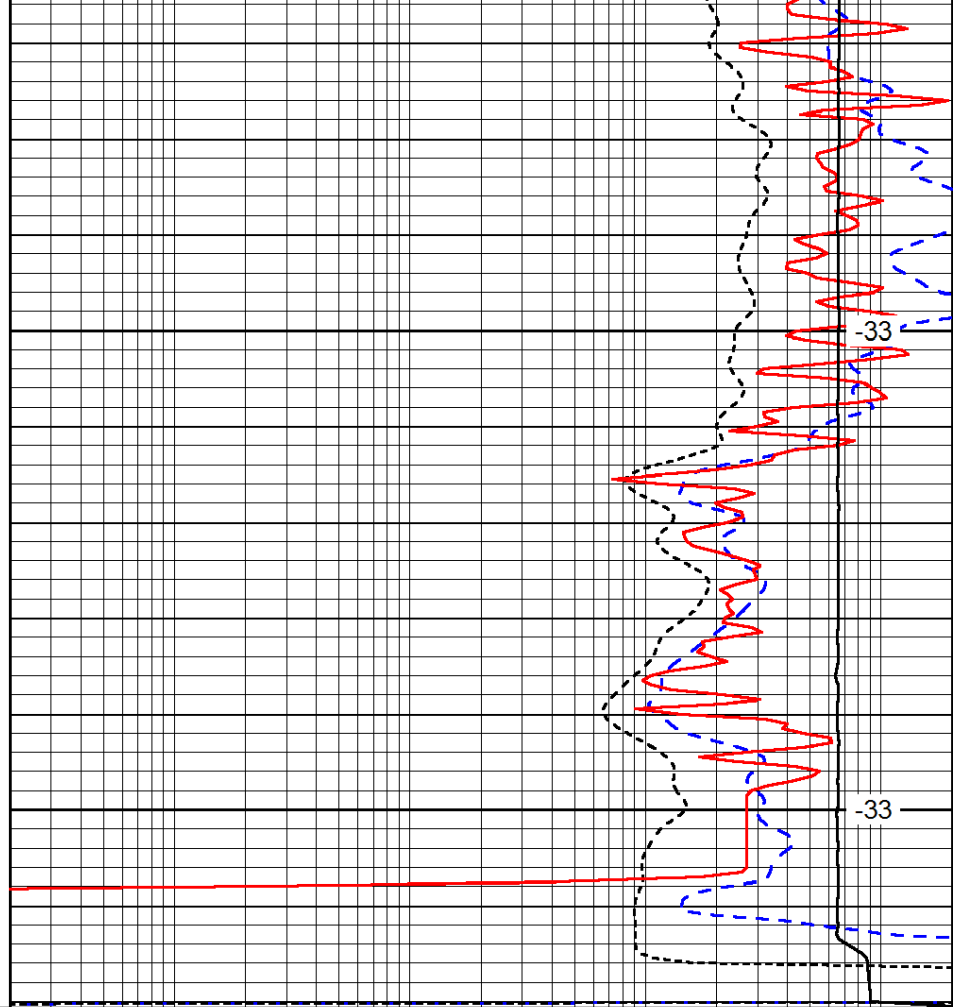
-33



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

4700

4750



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

LSPD