



Dual Induction Log

Pioneer Energy Services

API No.		Company Val Energy, Inc.	
15-007-24104-00-00		Well 1877 Farms LLC #1-10	
Field Wildcat		County Barber State Kansas	
Location S2 NW NW NW 405' FNL / 330' FWL		Other Services CNL / CDL MEL	
Sec: 10 Twp: 33S Rge: 12W		Elevation	
Permanent Datum Ground Level		Elevation 1495	
Log Measured From Kelly Bushing		10 Ft. Above Perm. Datum	
Drilling Measured From Kelly Bushing		K.B. 1505 D.F. 1495 G.L. 1495	
Date	11/8/2013		
Run Number	One		
Depth Driller	4850		
Depth Logger	4860		
Bottom Logged Interval	4859		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	220		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	7000		
Density / Viscosity	9.2 46		
pH / Fluid Loss	9.5 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.26 @ 52		
Rmf @ Meas. Temp	0.20 @ 52		
Rmc @ Meas. Temp	0.35 @ 52		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.11 @ 125		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	125		
Equipment Number	17		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Zeb Stewart		

<<< 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

Medicine Lodge, KS:
8S to Sumac Rd., 2W, S into

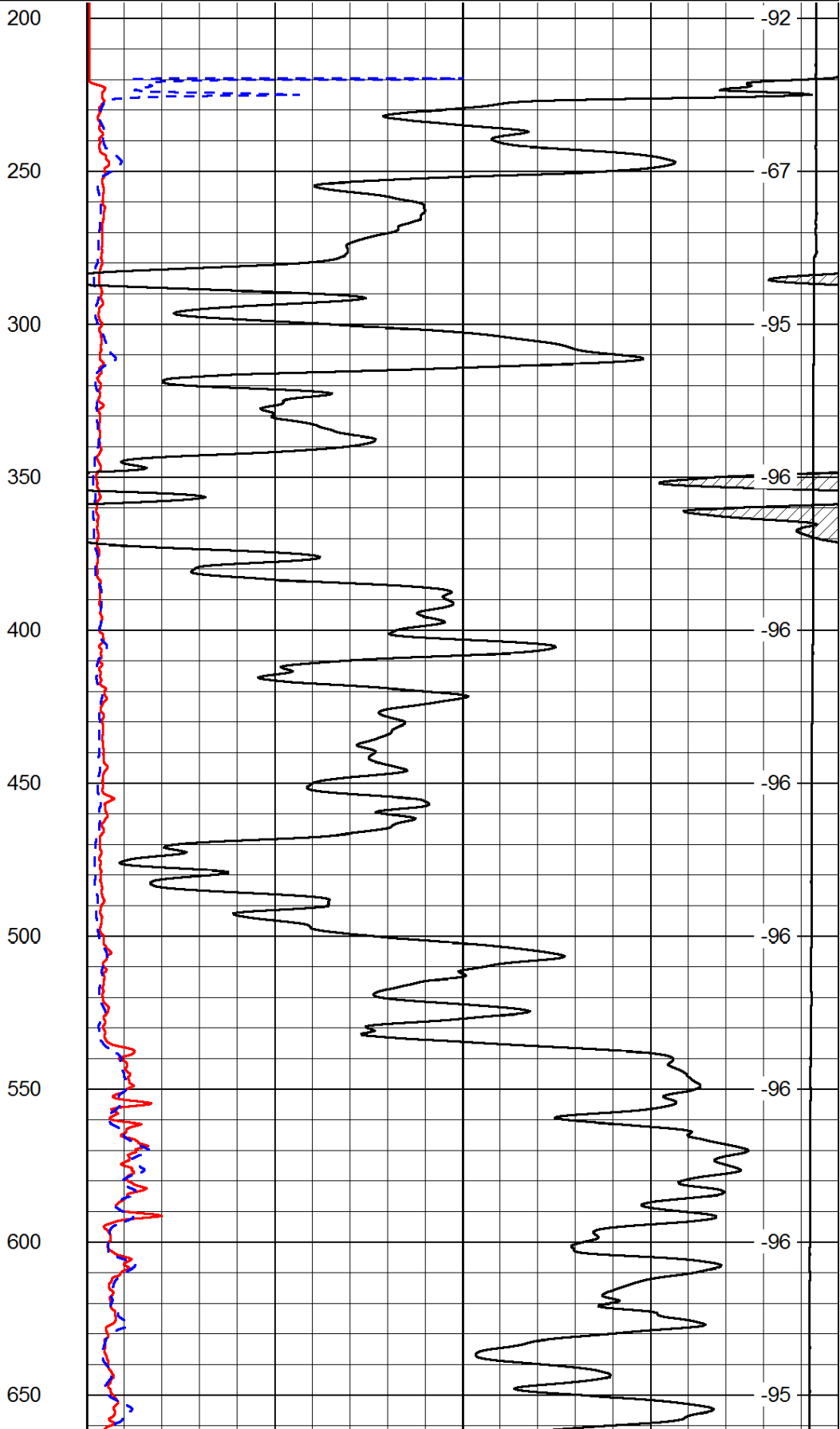
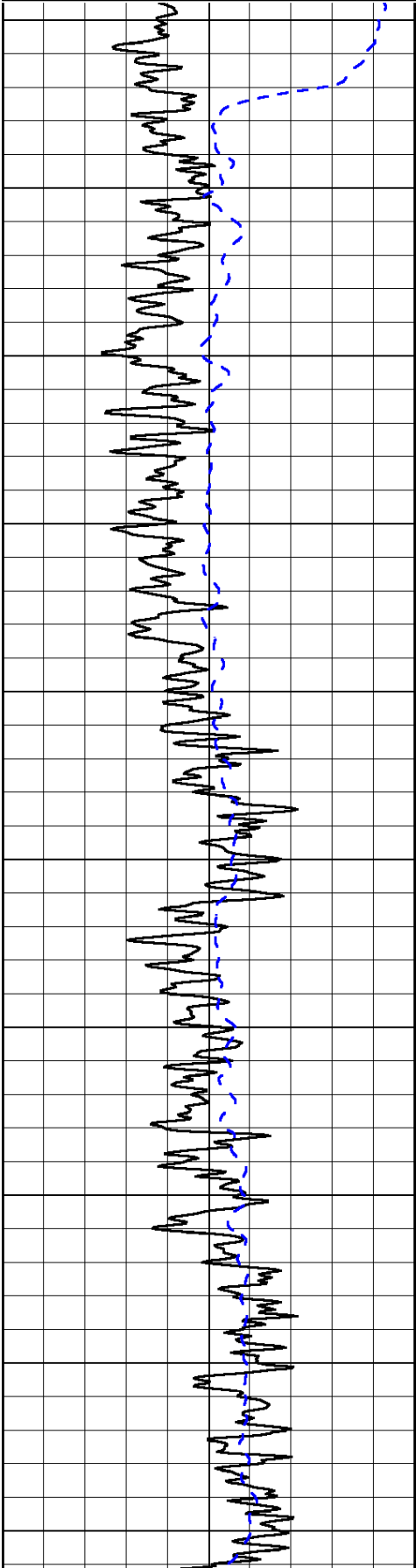
Database File: c:\warrior\data\val_1877 farms llc #1-10\val_hd.db
Dataset Pathname: dil\valmain
Presentation Format: dil2in
Dataset Creation: Fri Nov 08 12:35:40 2013
Charted by: Depth in Feet scaled 1:600

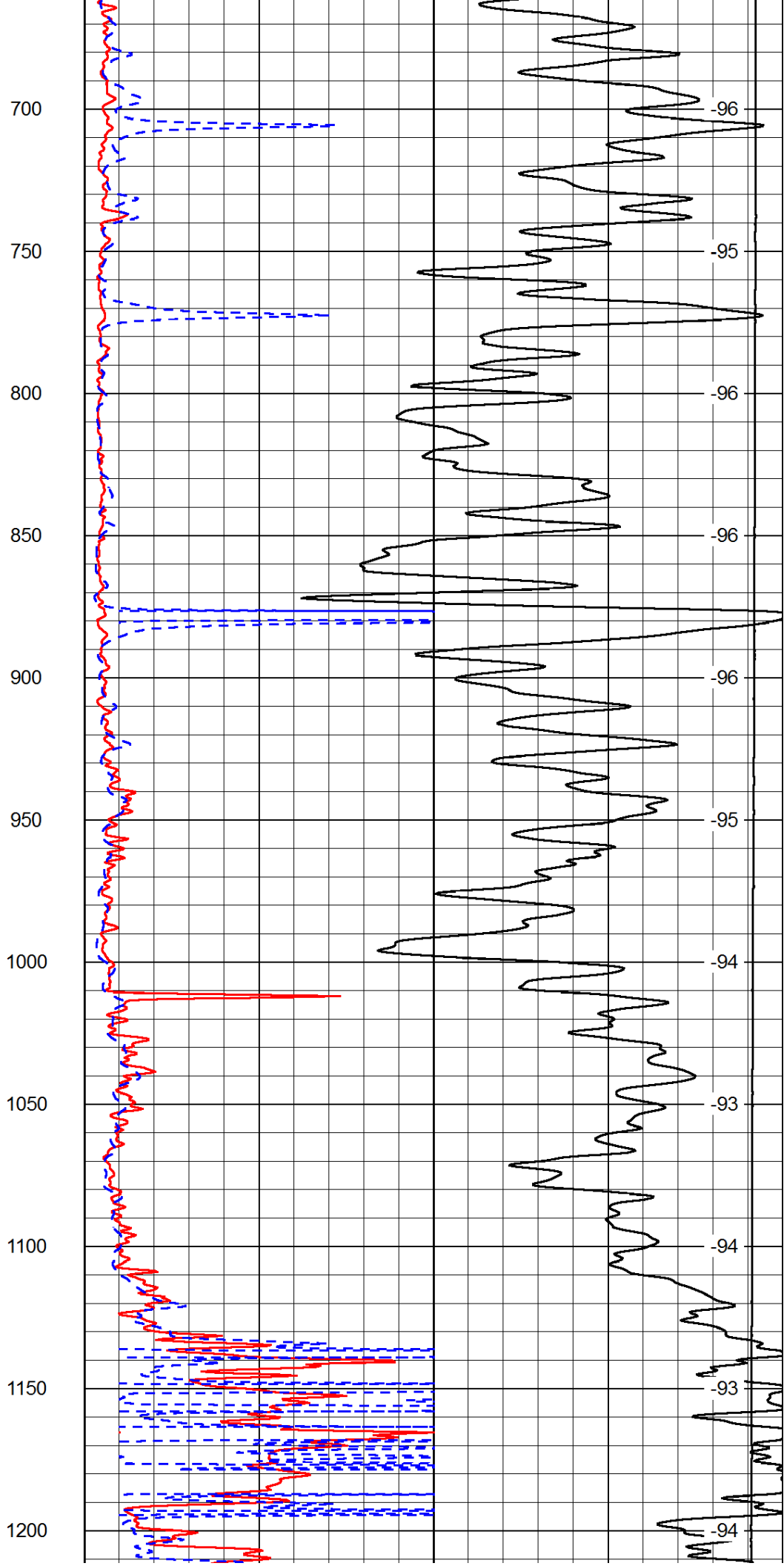
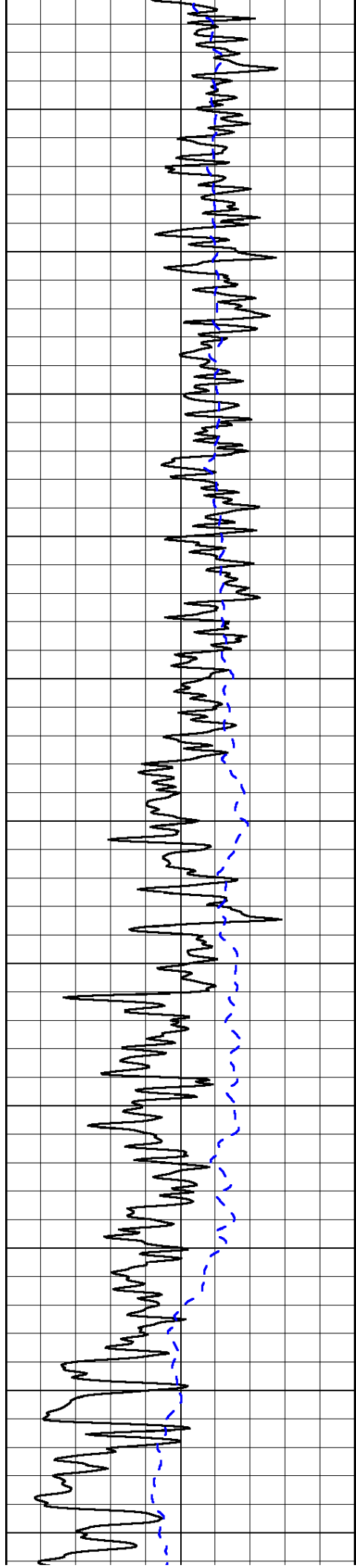
Charted by: Depth in Feet scaled 1:500

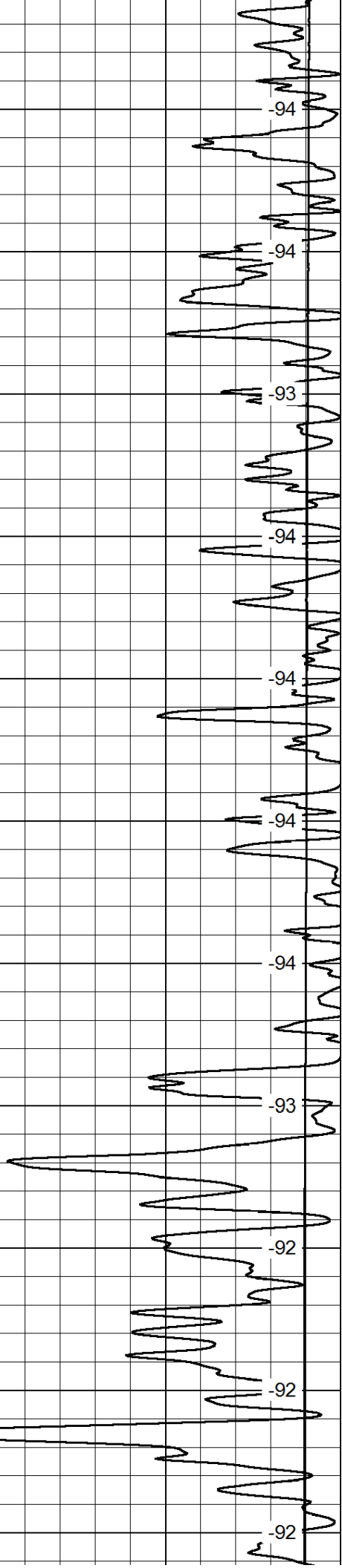
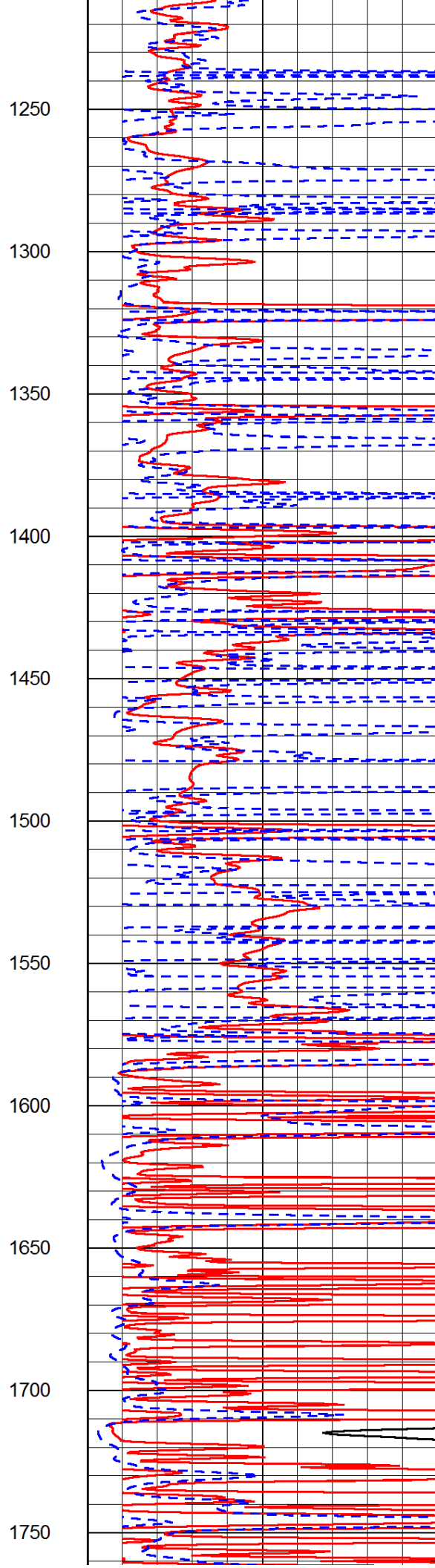
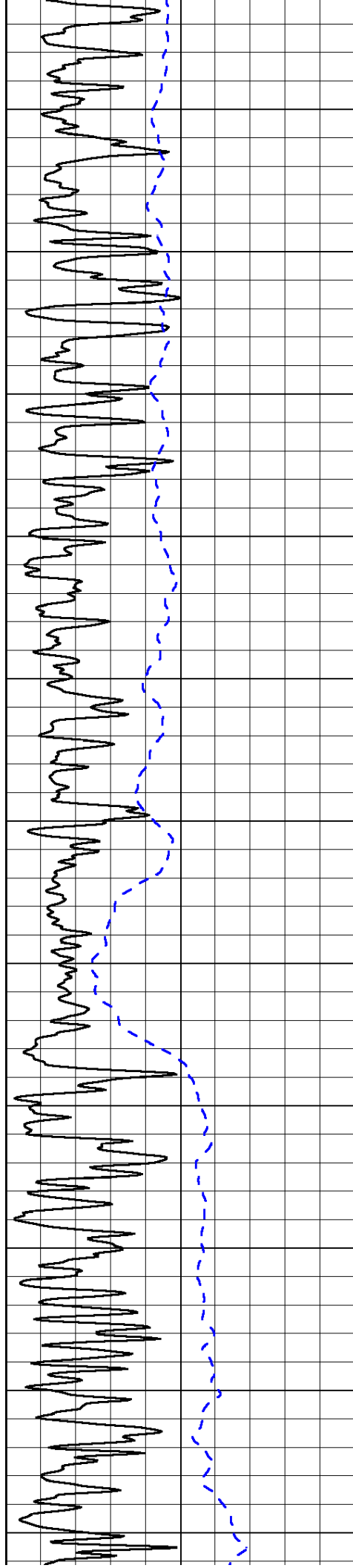
0	Gamma Ray	150
-200	SP (mV)	0

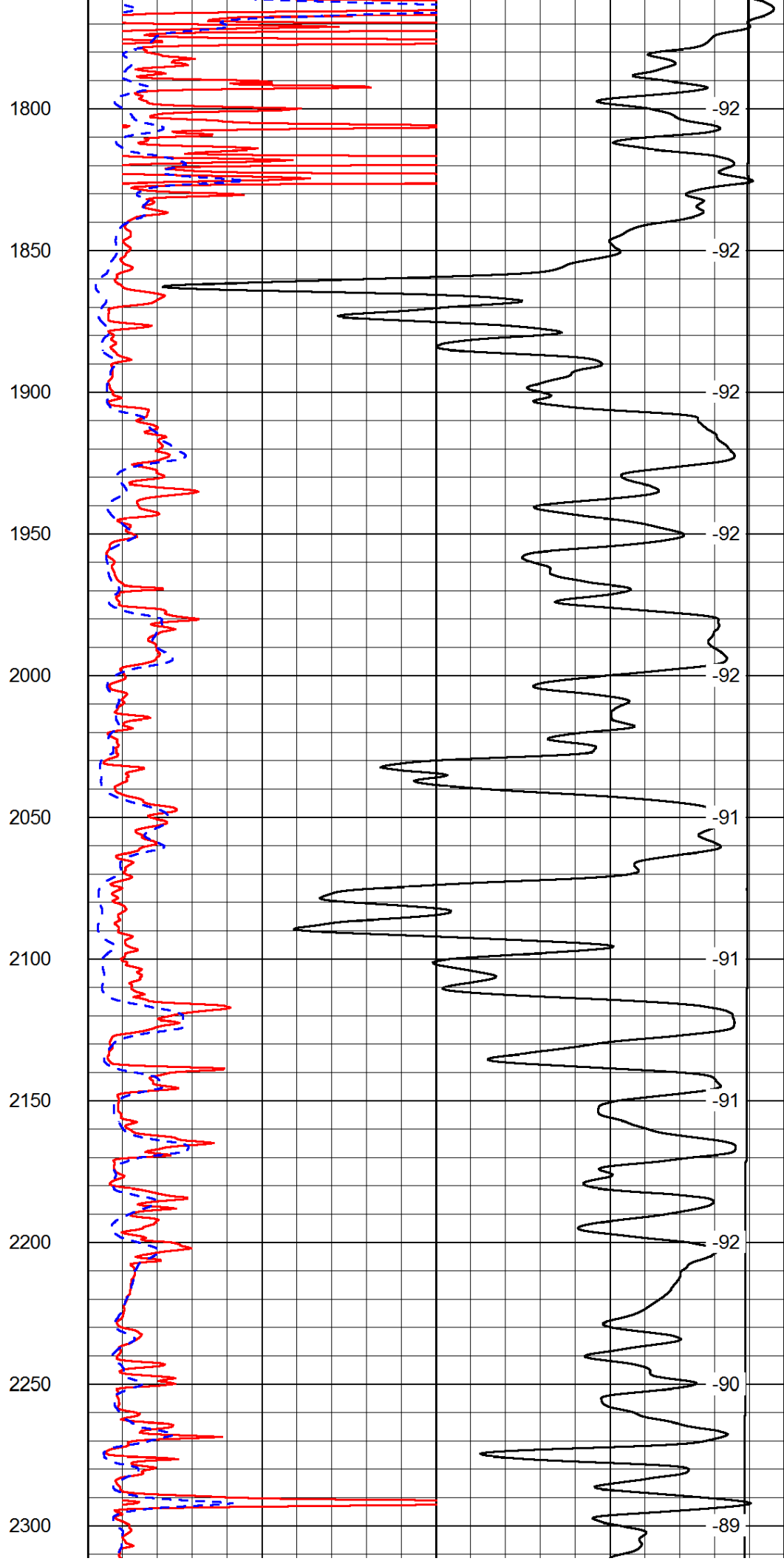
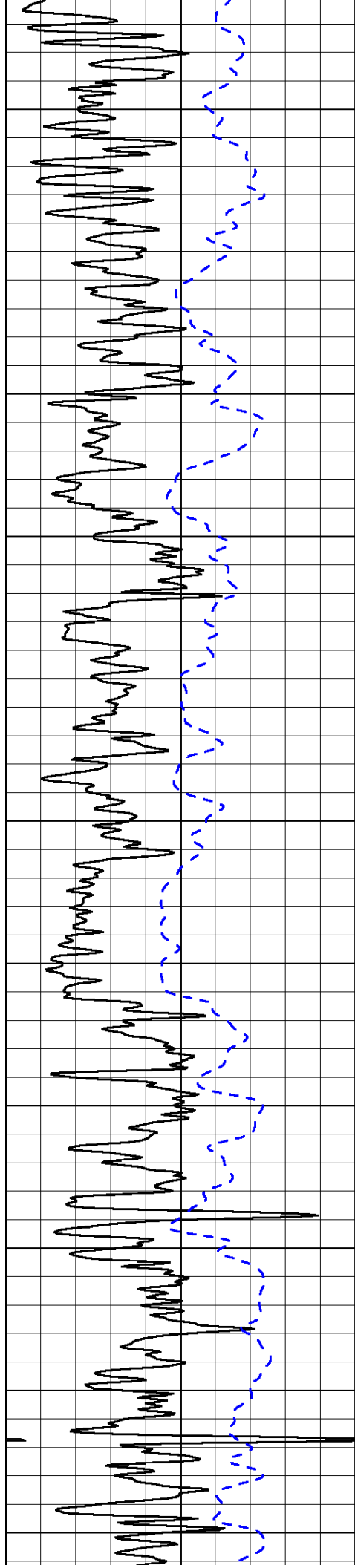
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

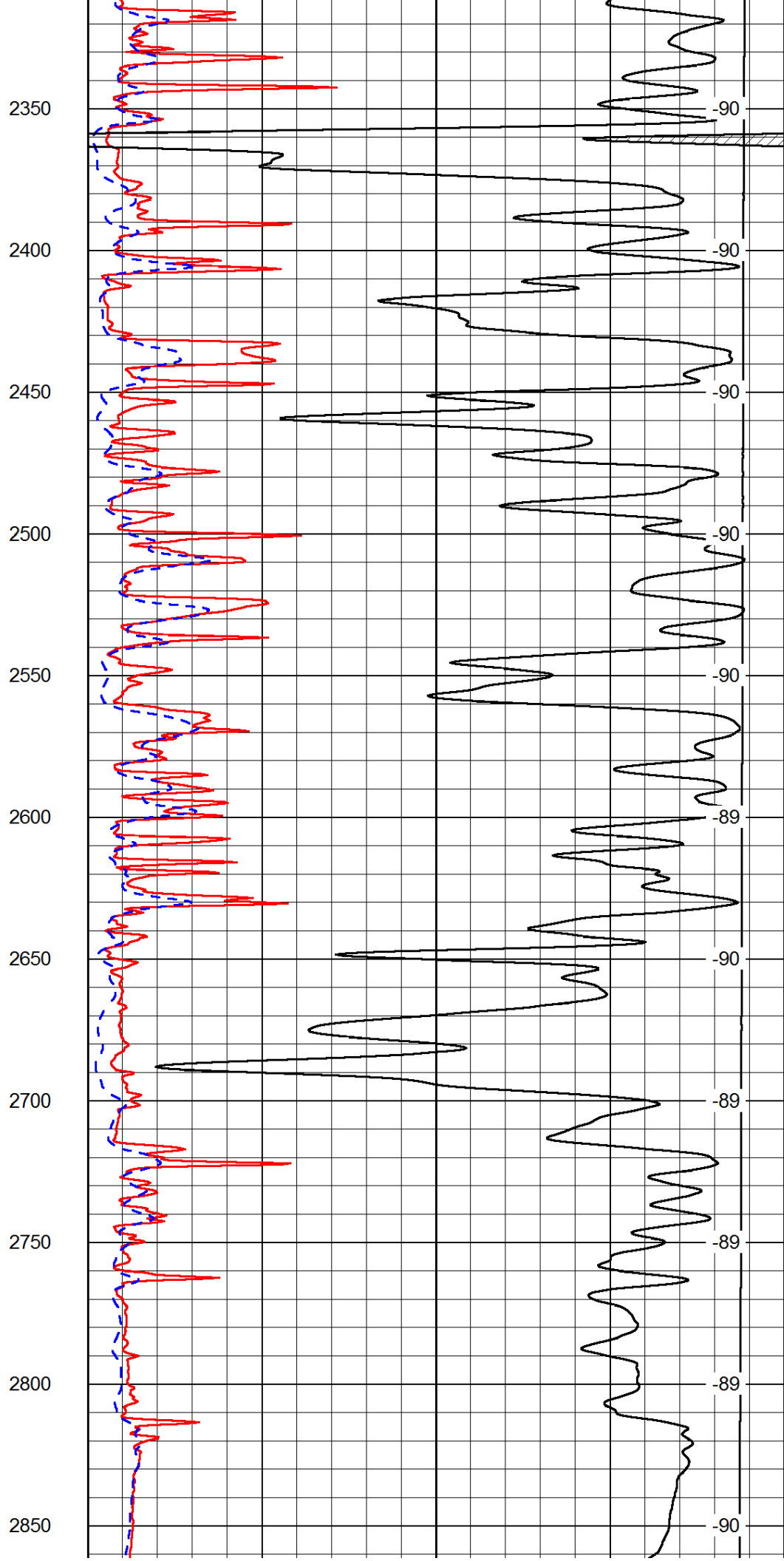
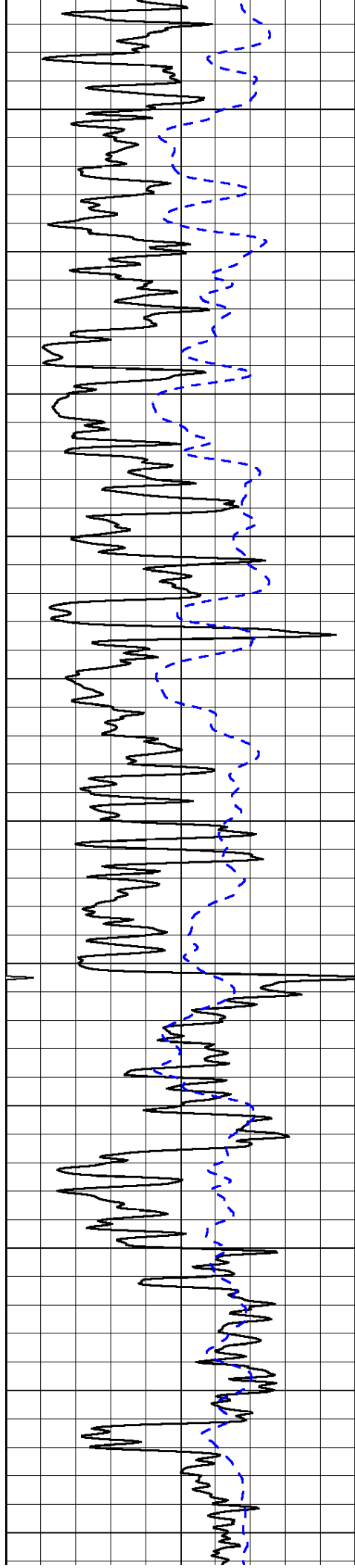
LSPD
0
0

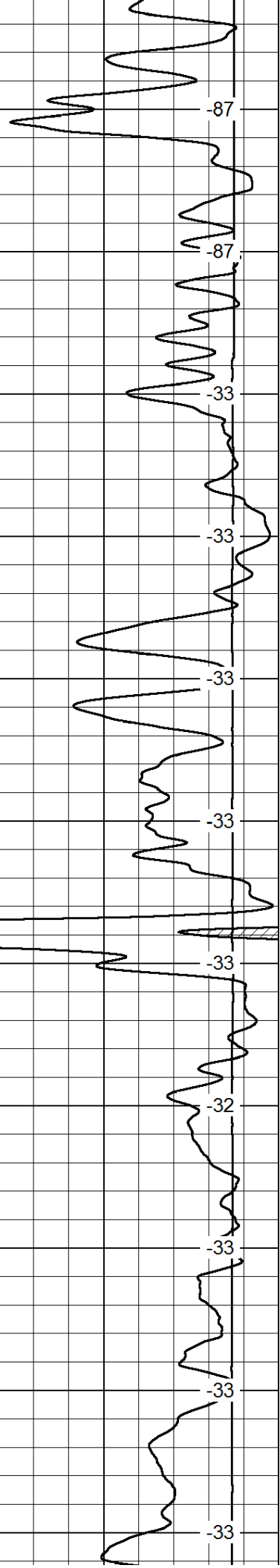
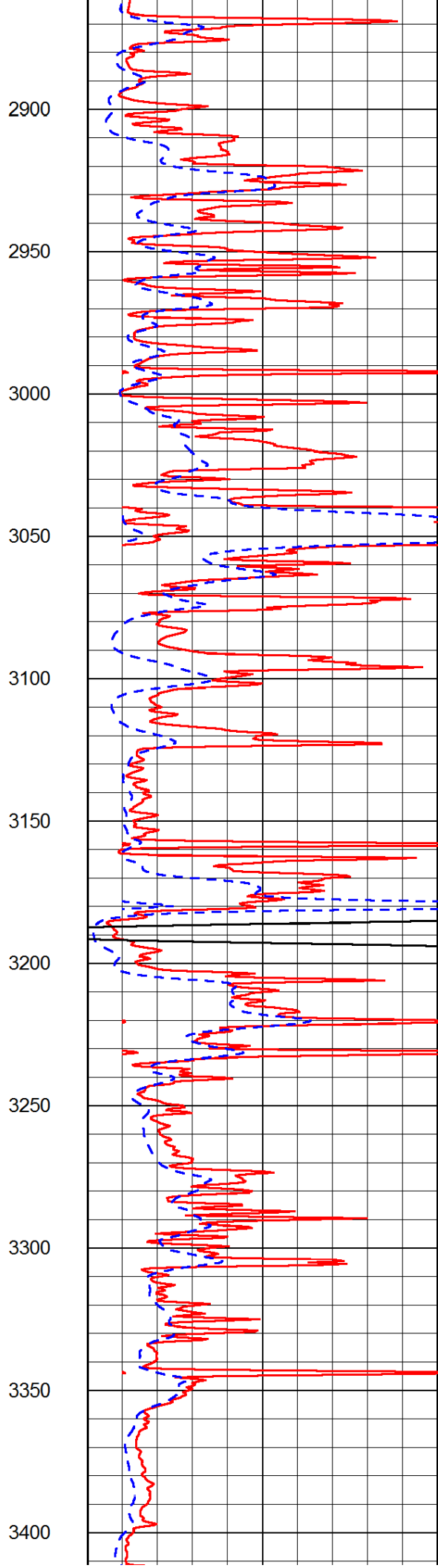
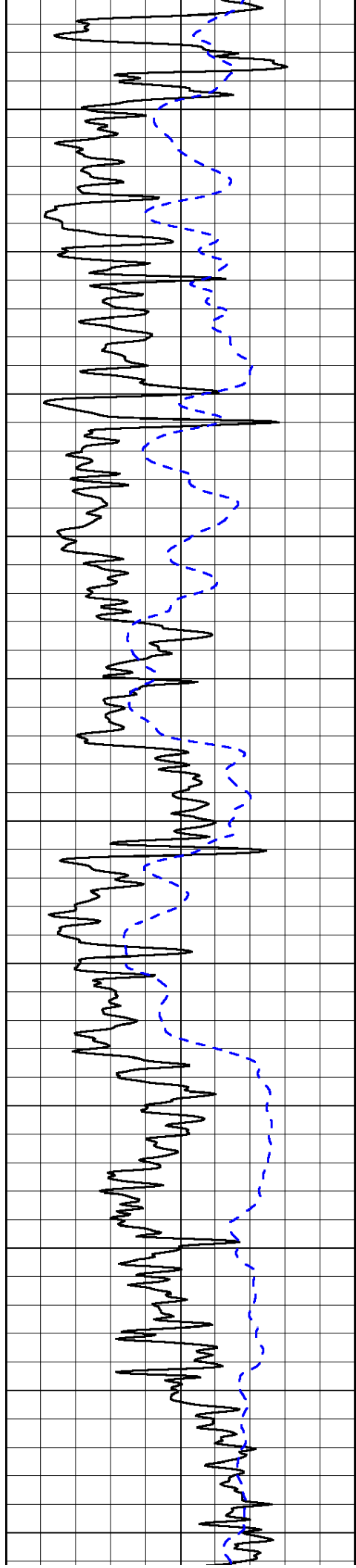


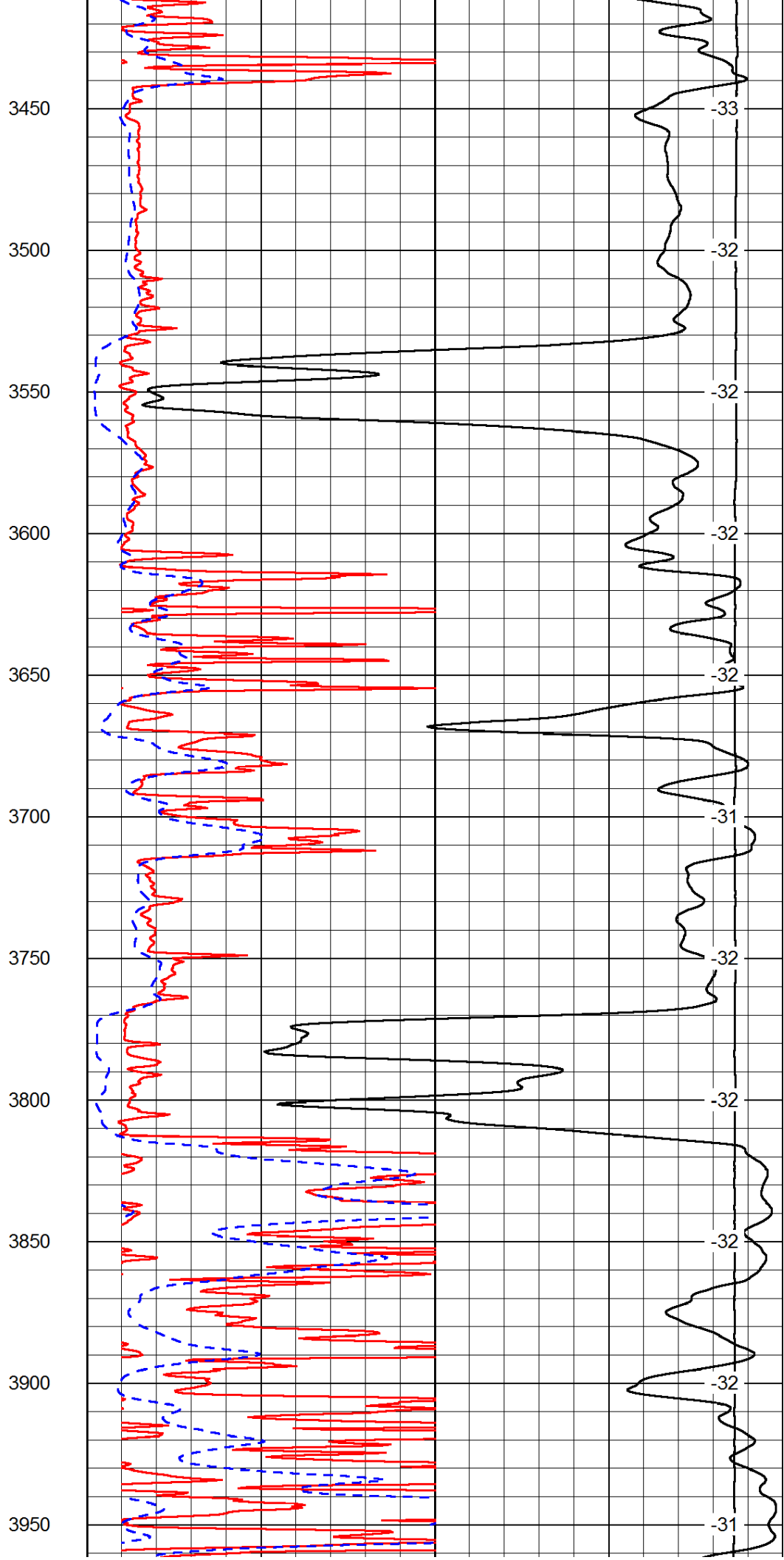
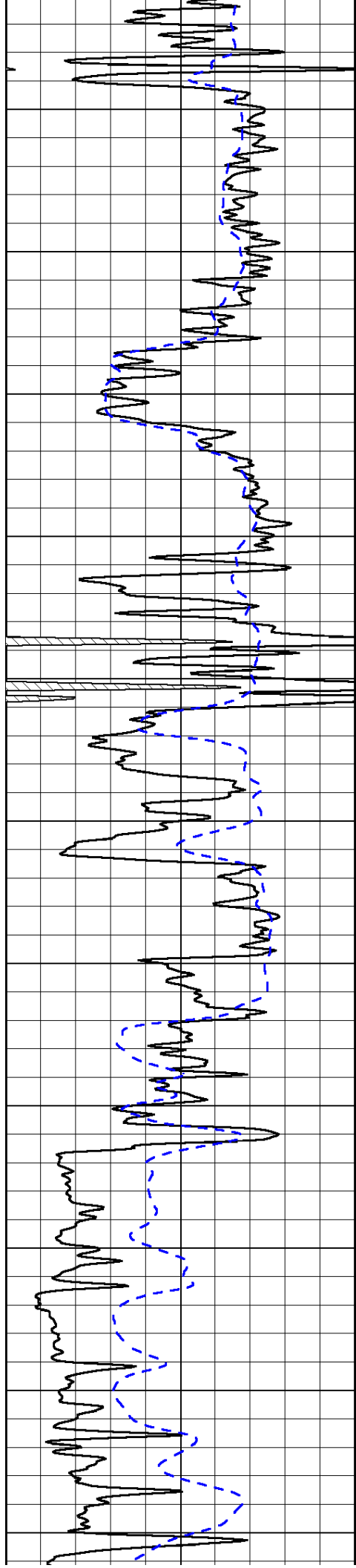


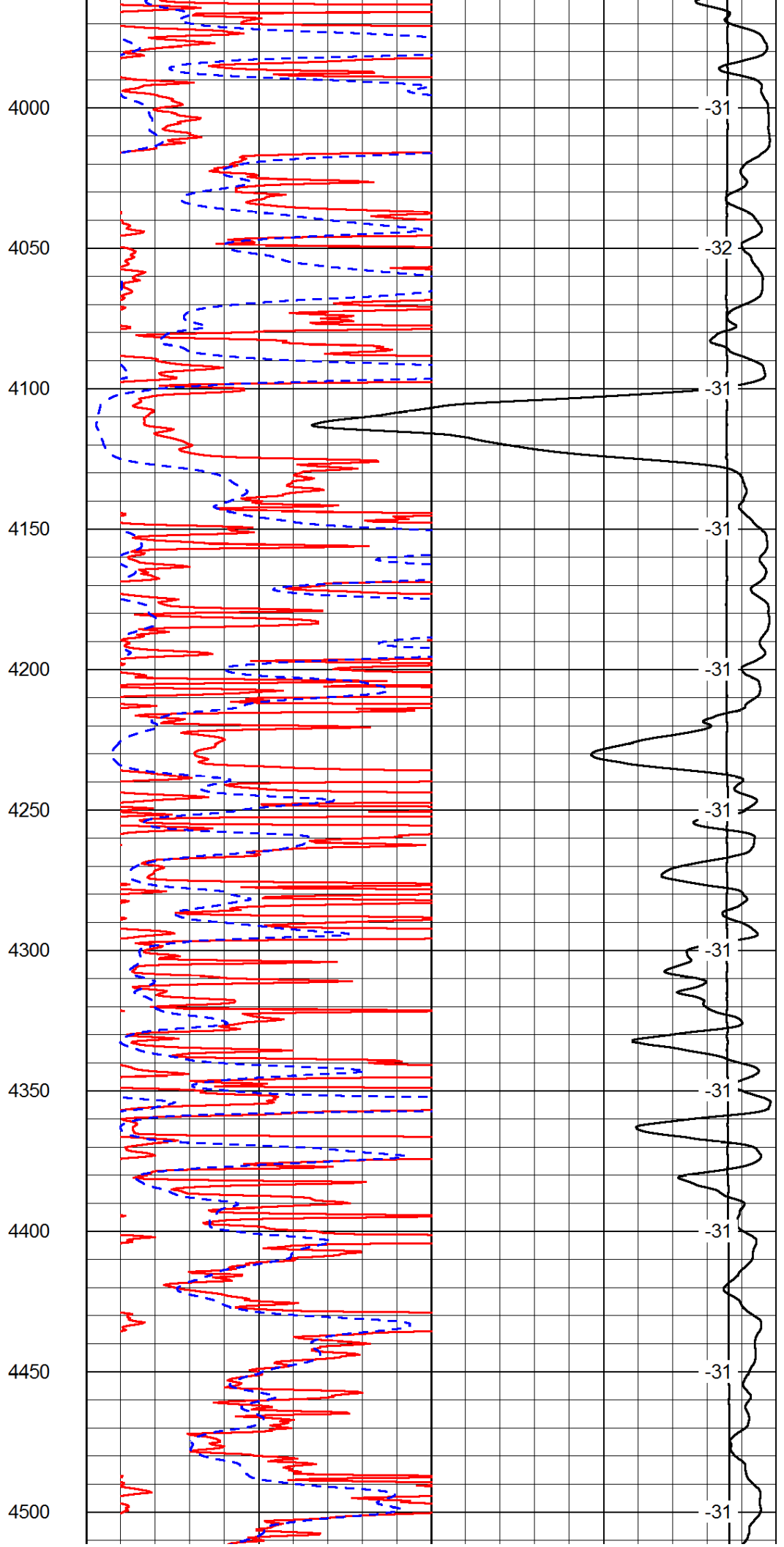
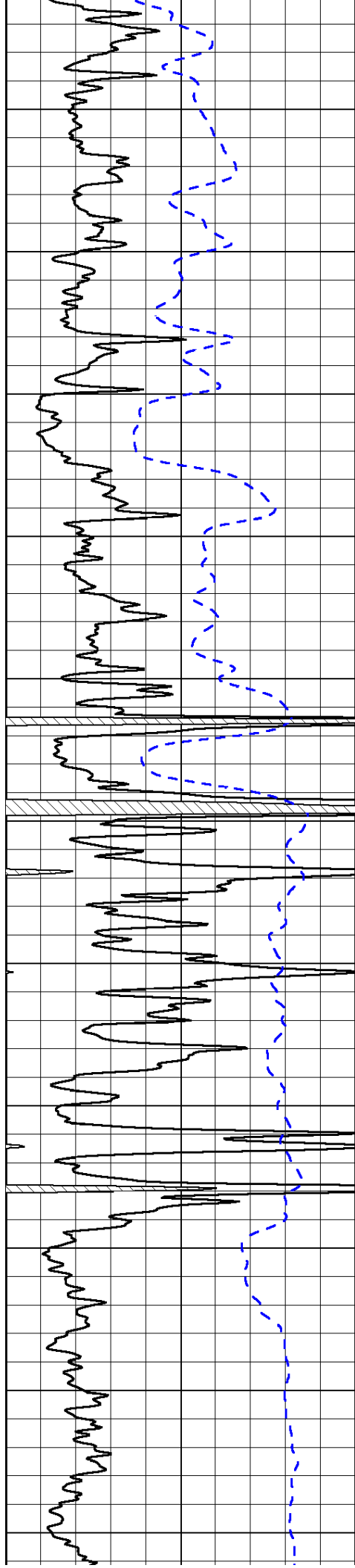


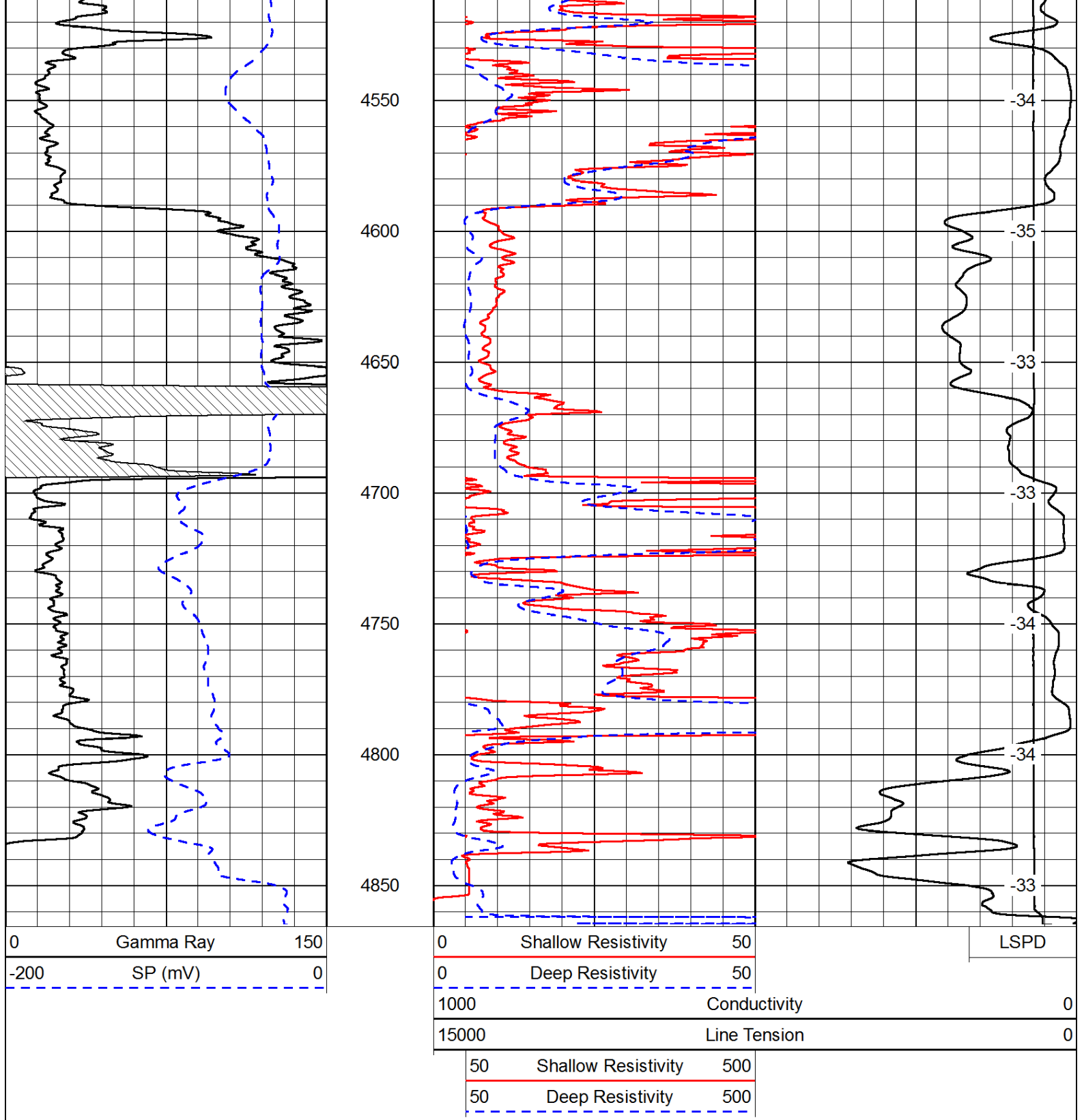




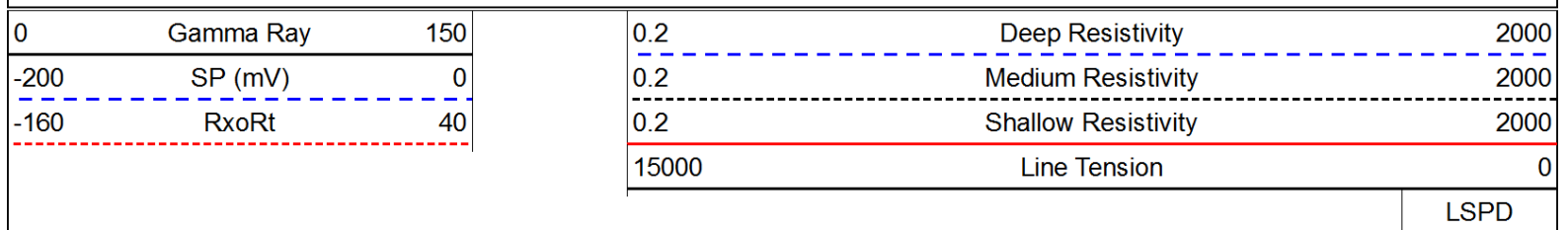


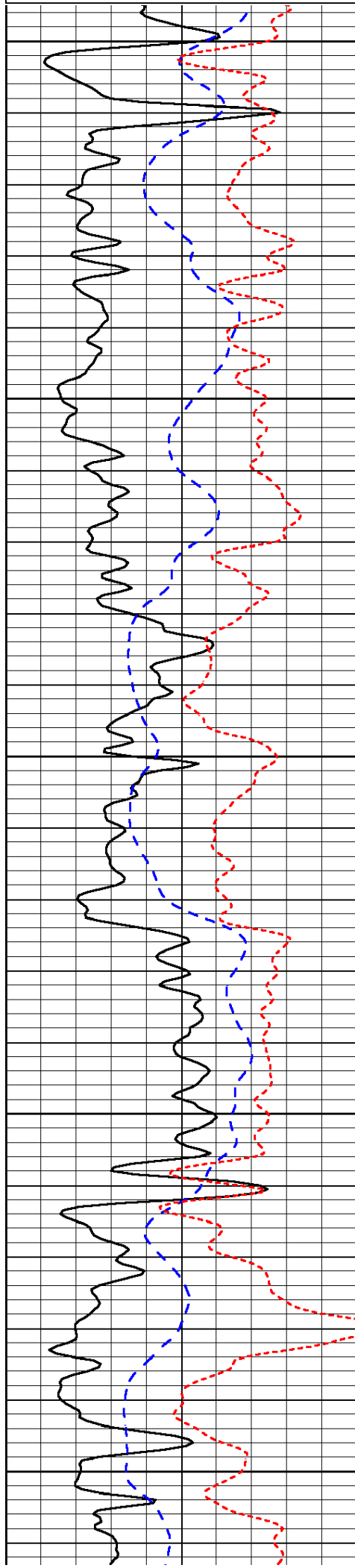






Database File: c:\warrior\data\val_1877 farms llc #1-10\val_hd.db
 Dataset Pathname: dil\valmain
 Presentation Format: dil
 Dataset Creation: Fri Nov 08 12:35:40 2013
 Charted by: Depth in Feet scaled 1:240





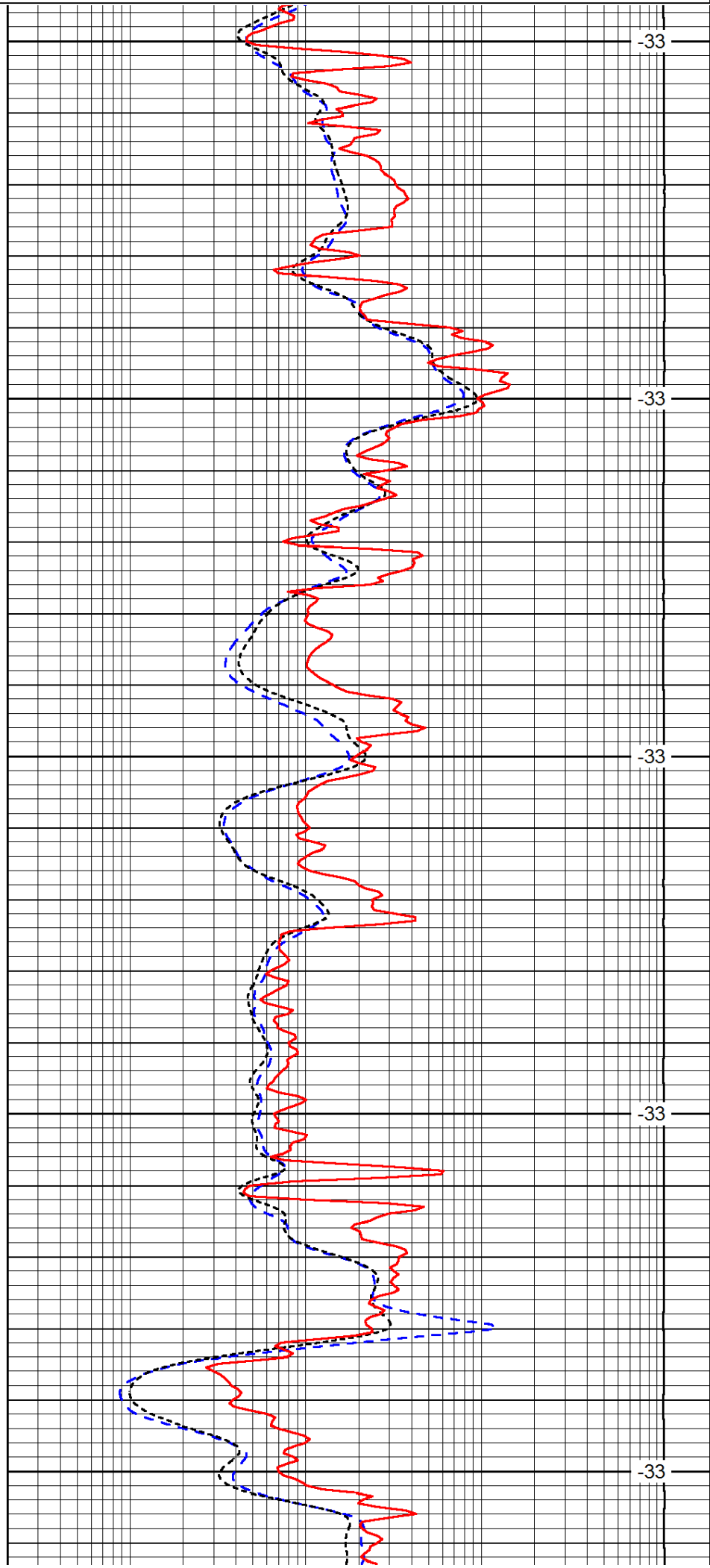
3000

3050

3100

3150

3200



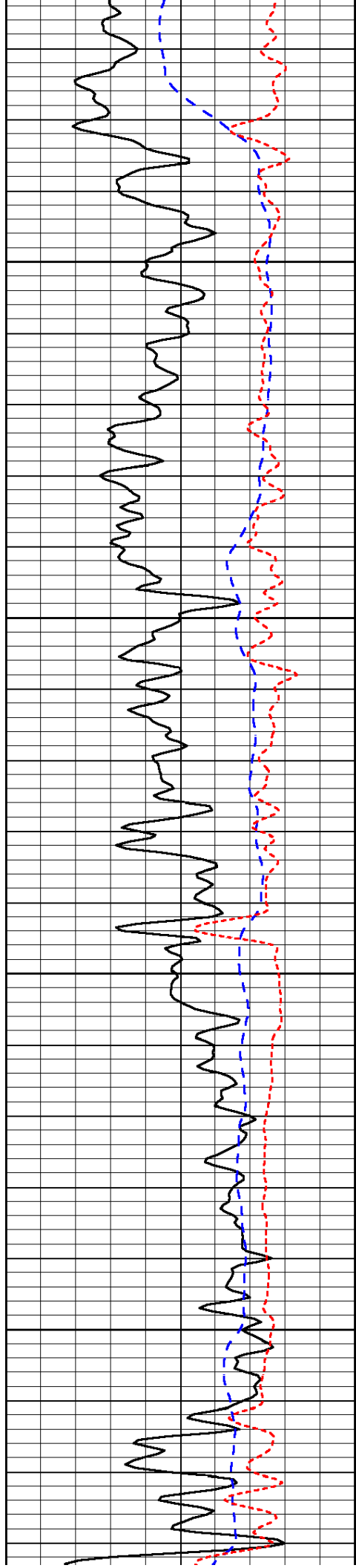
-33

-33

-33

-33

-33

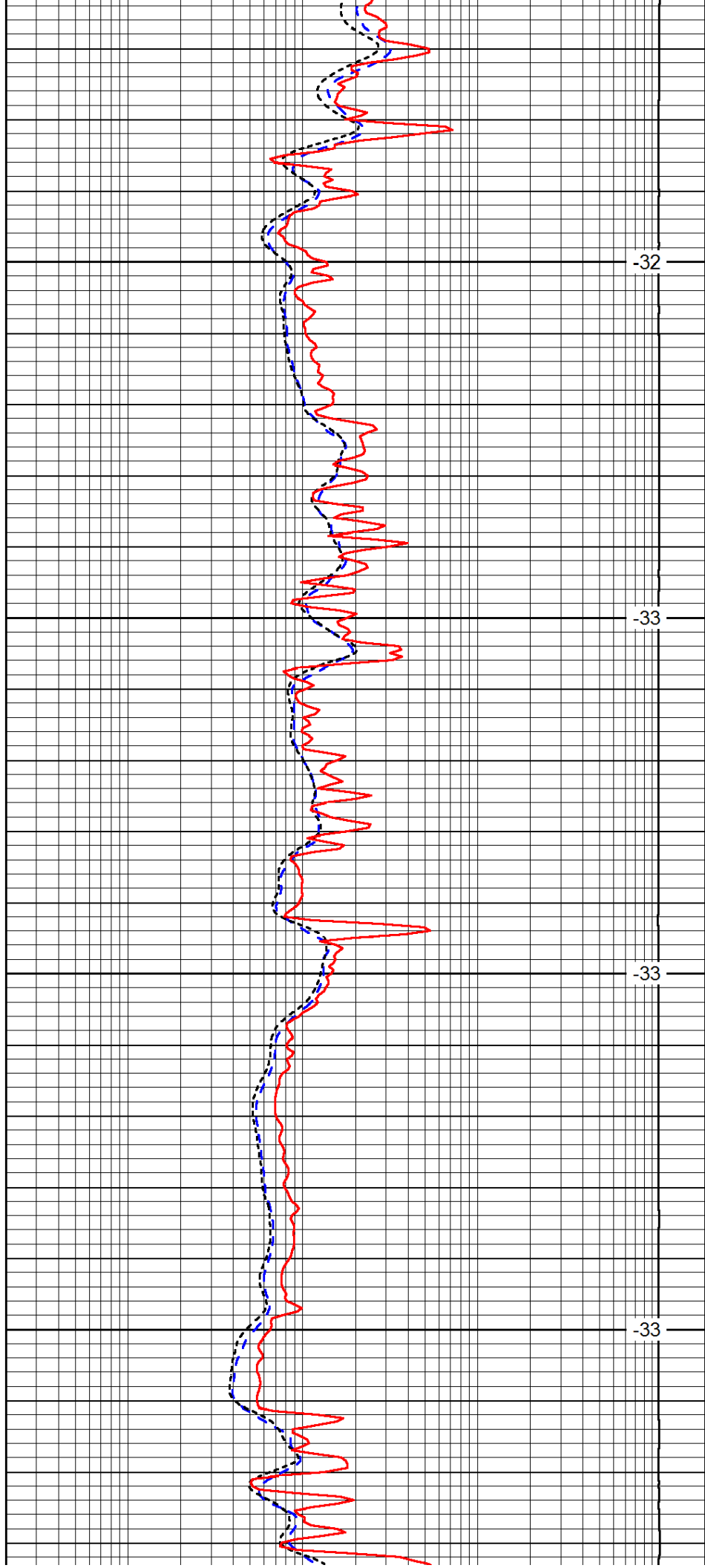


3250

3300

3350

3400

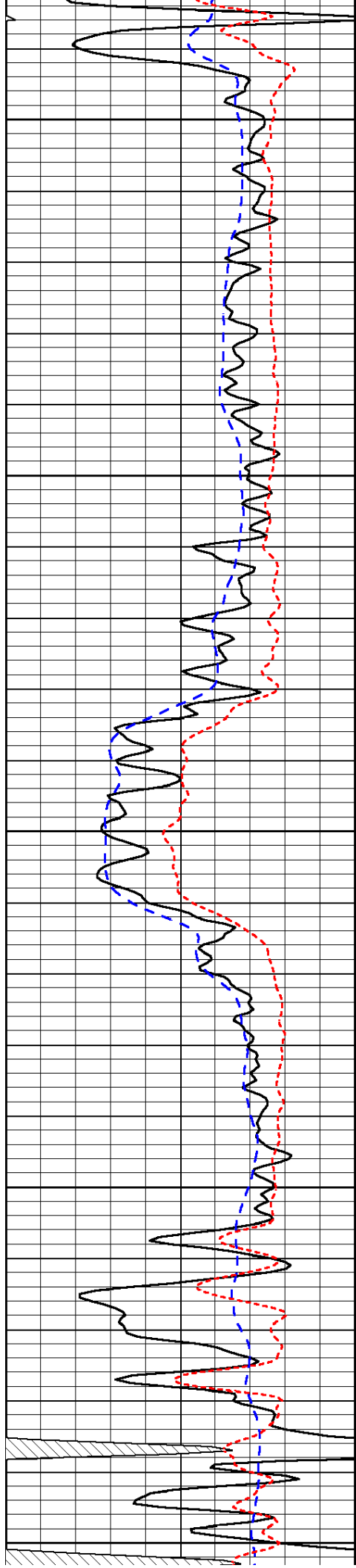


-32

-33

-33

-33



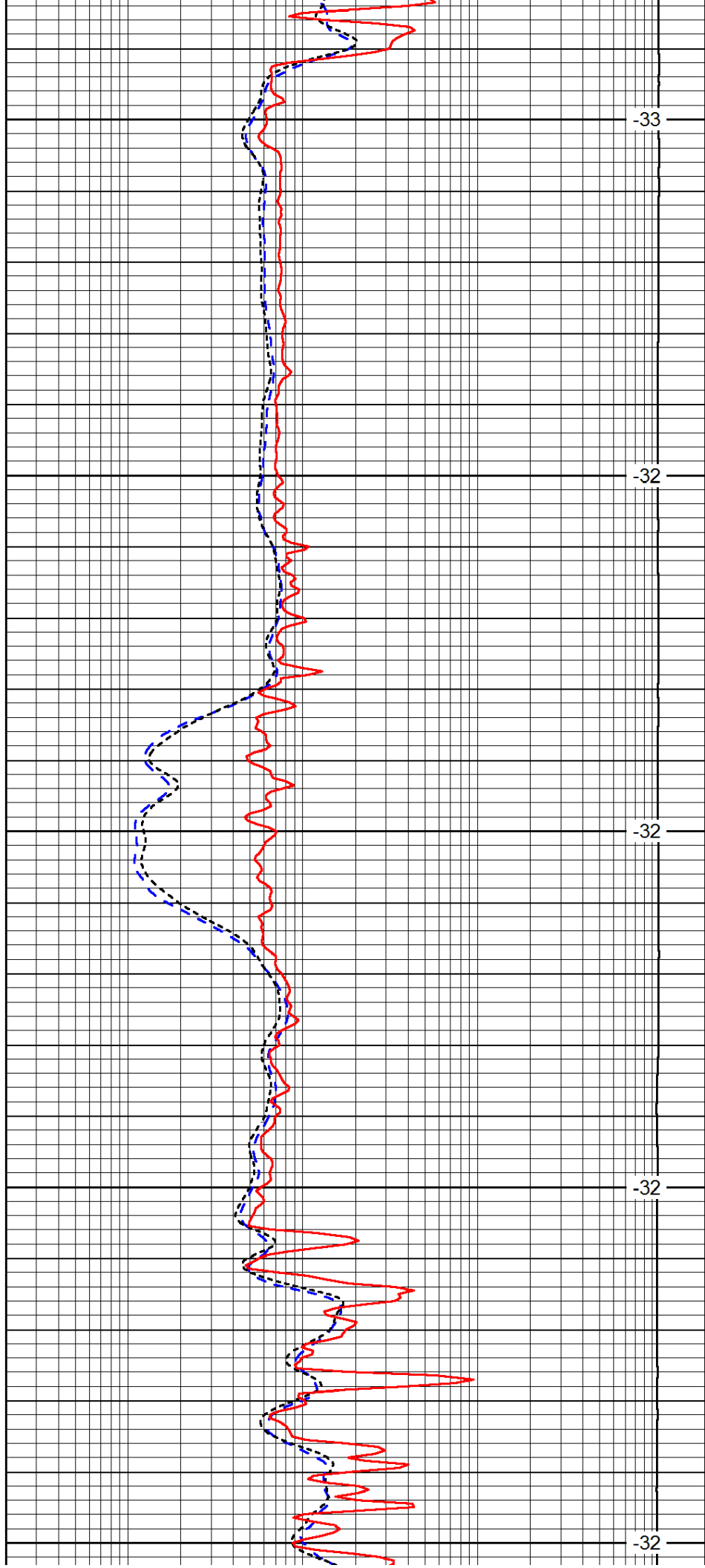
3450

3500

3550

3600

3650



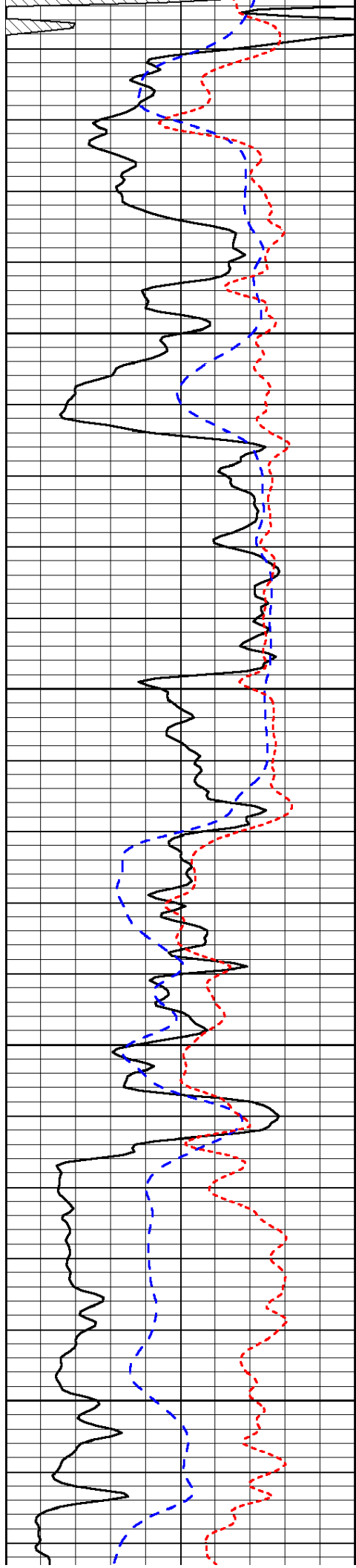
-33

-32

-32

-32

-32

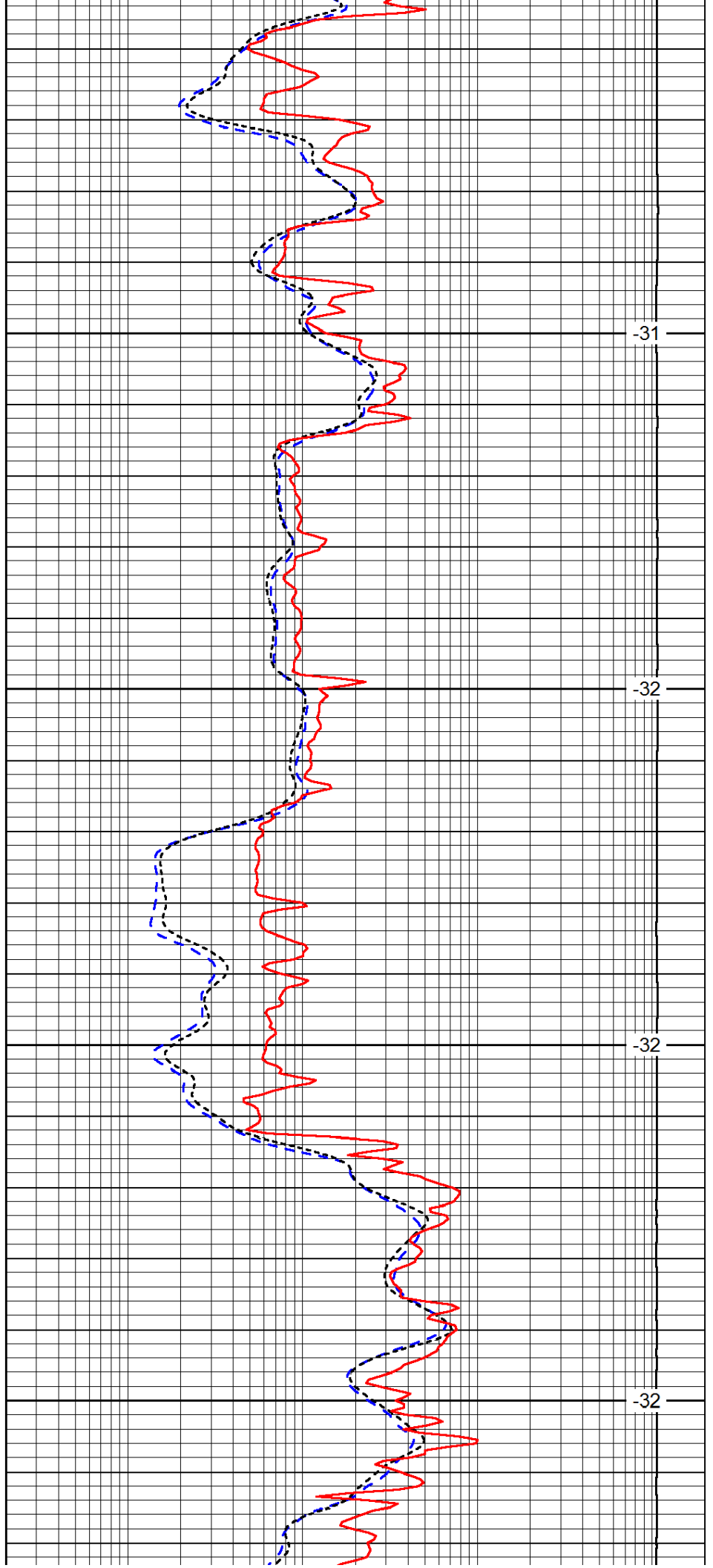


3700

3750

3800

3850

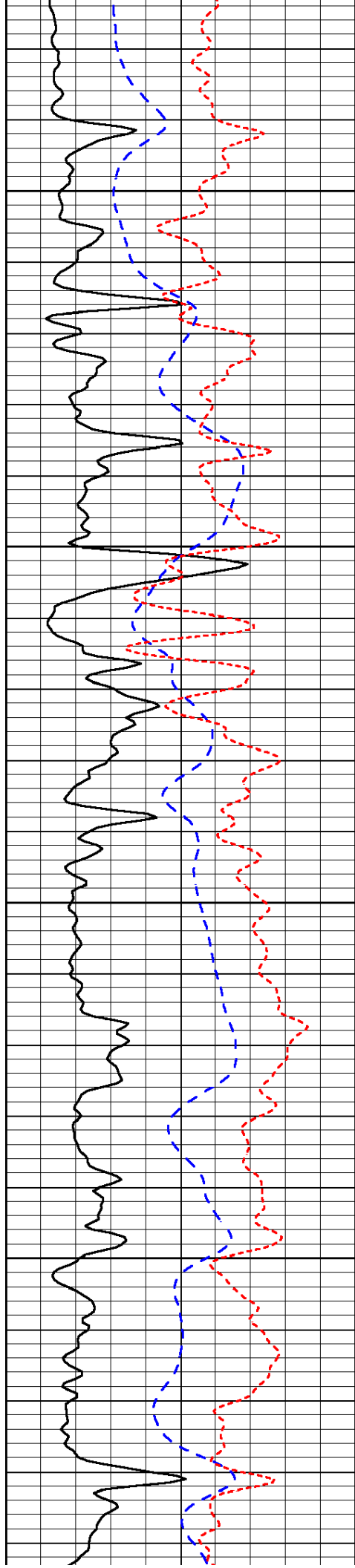


-31

-32

-32

-32

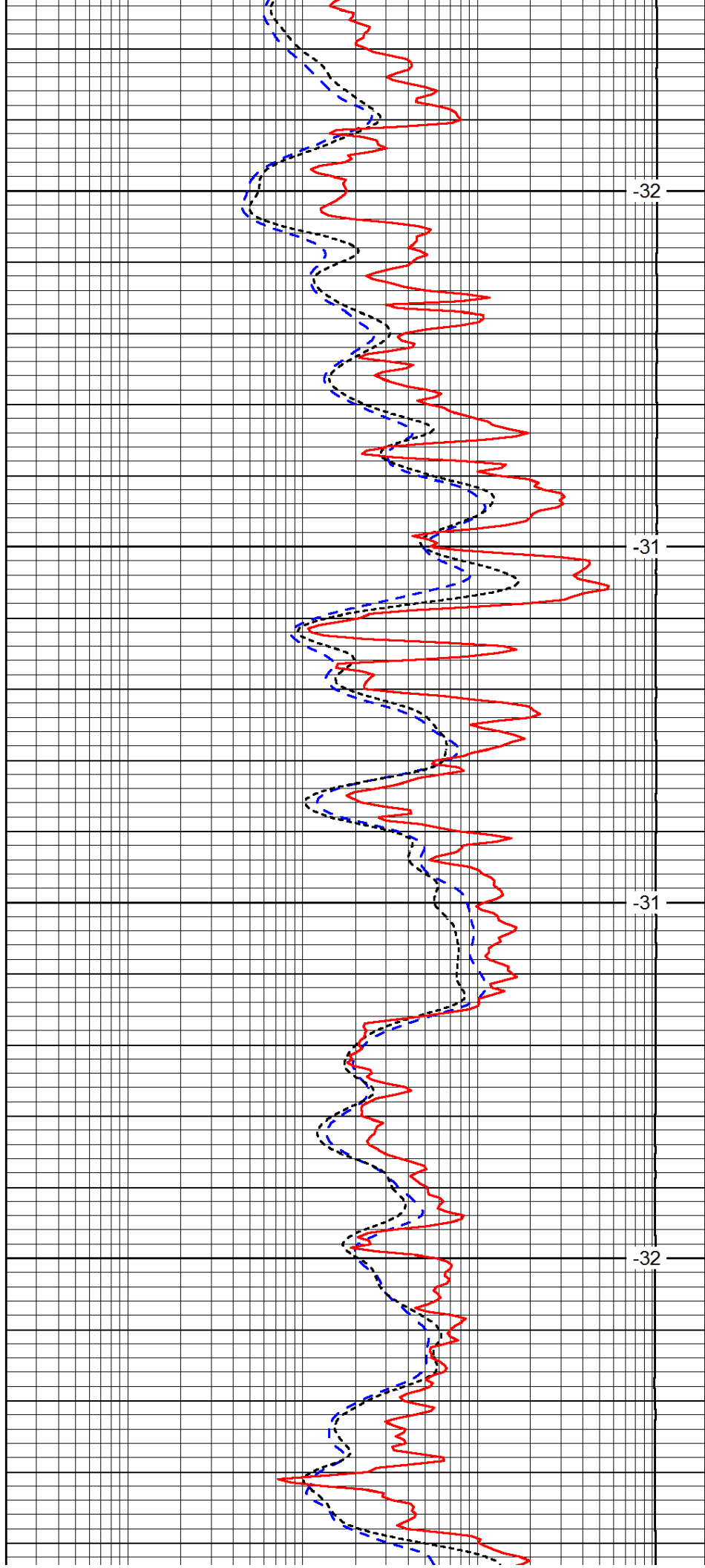


3900

3950

4000

4050

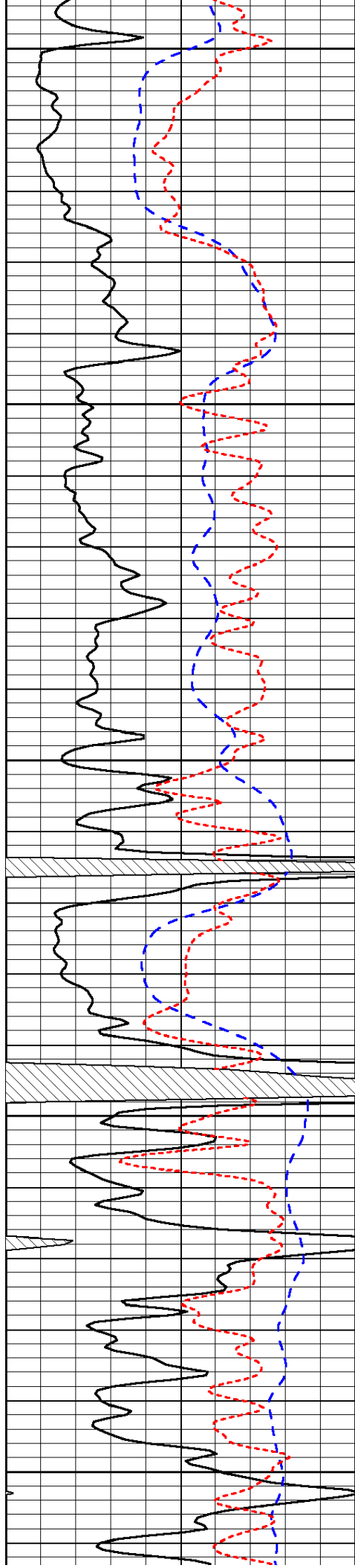


-32

-31

-31

-32



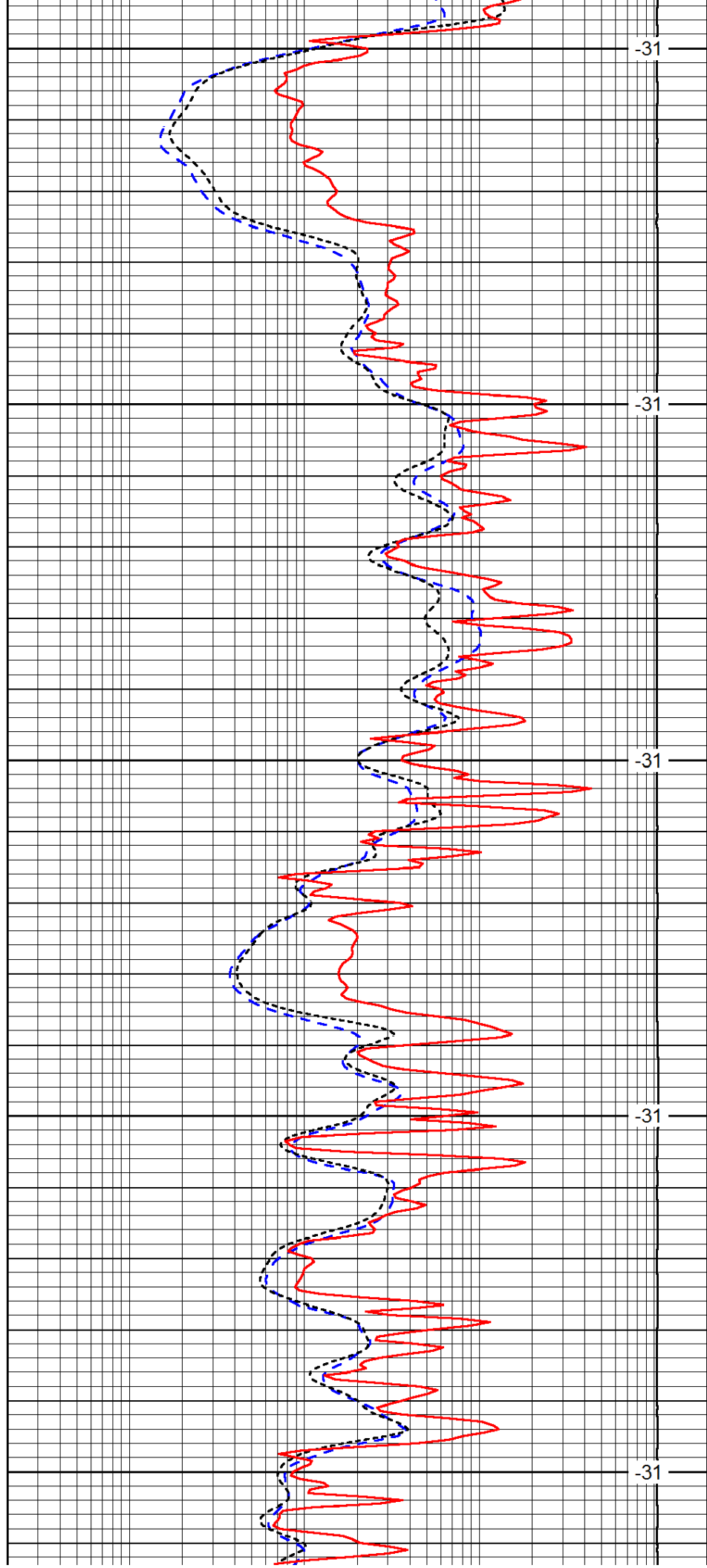
4100

4150

4200

4250

4300



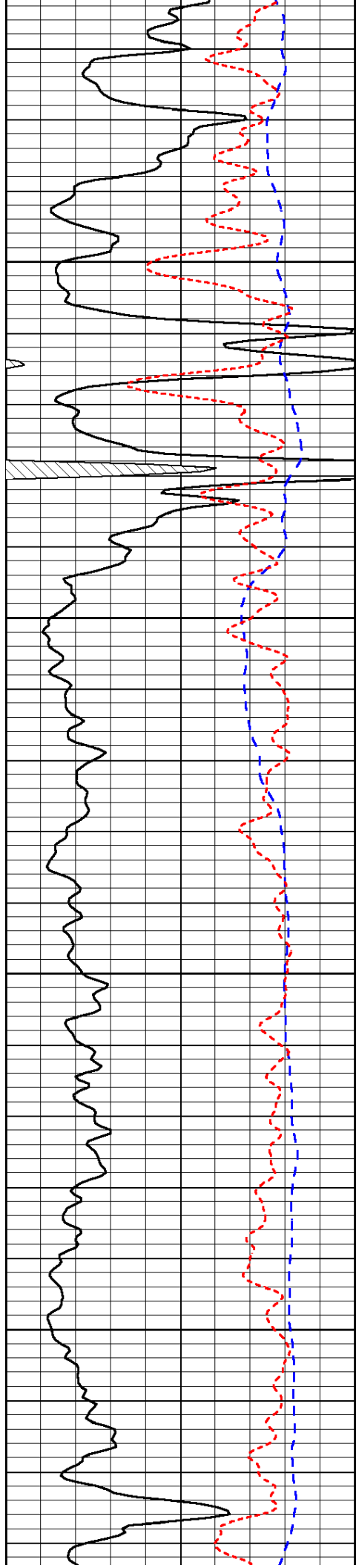
-31

-31

-31

-31

-31

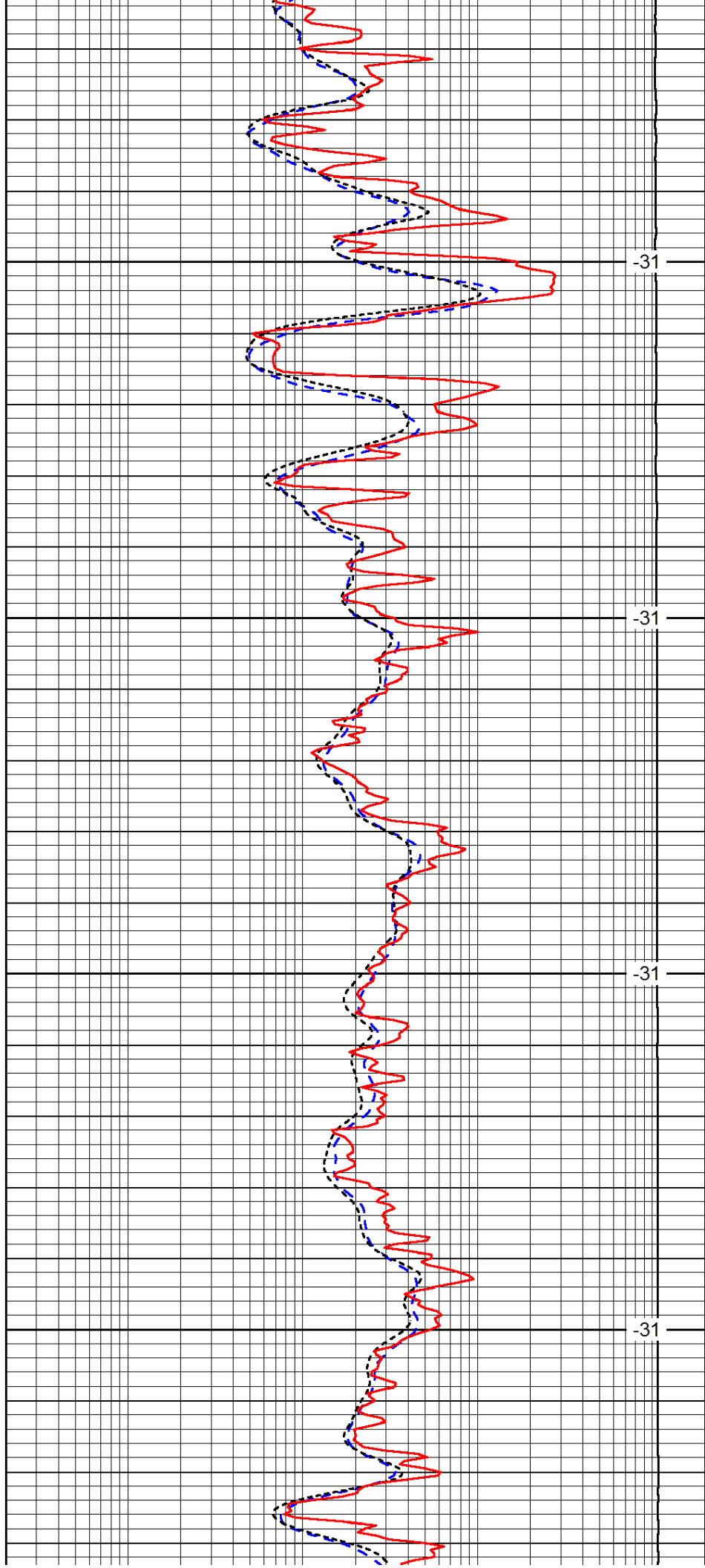


4350

4400

4450

4500

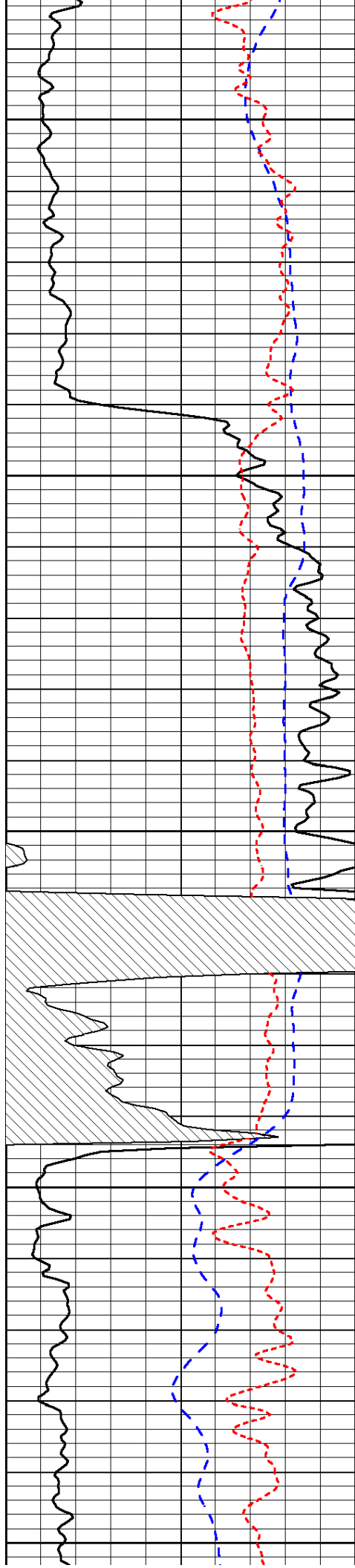


-31

-31

-31

-31



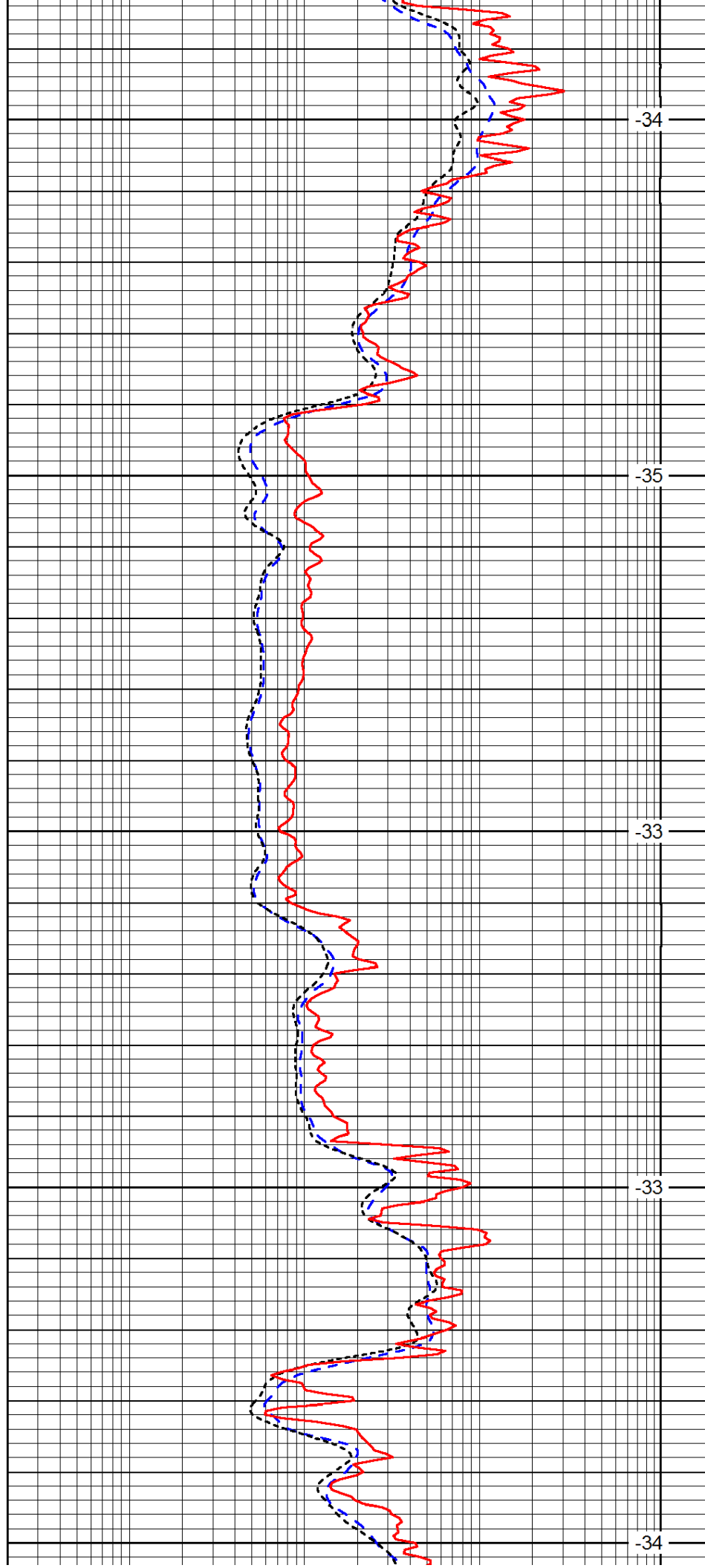
4550

4600

4650

4700

4750



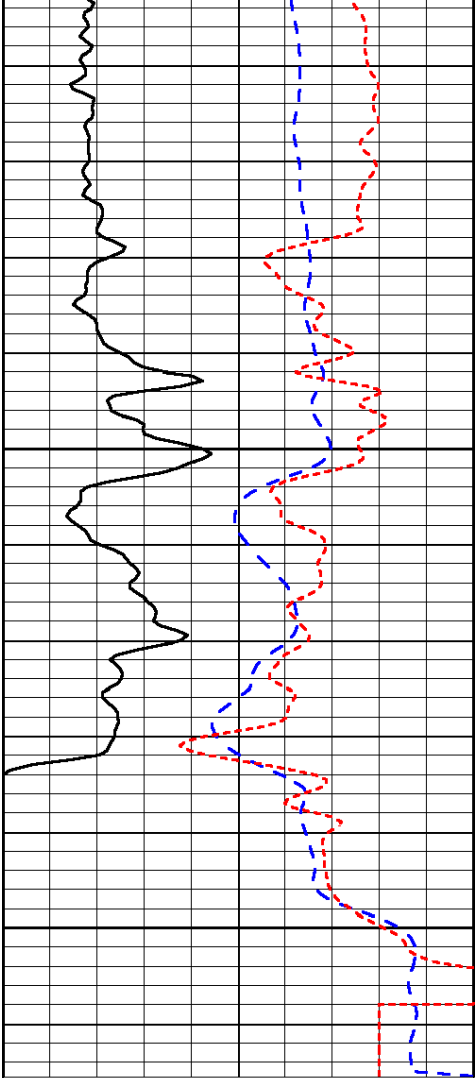
-34

-35

-33

-33

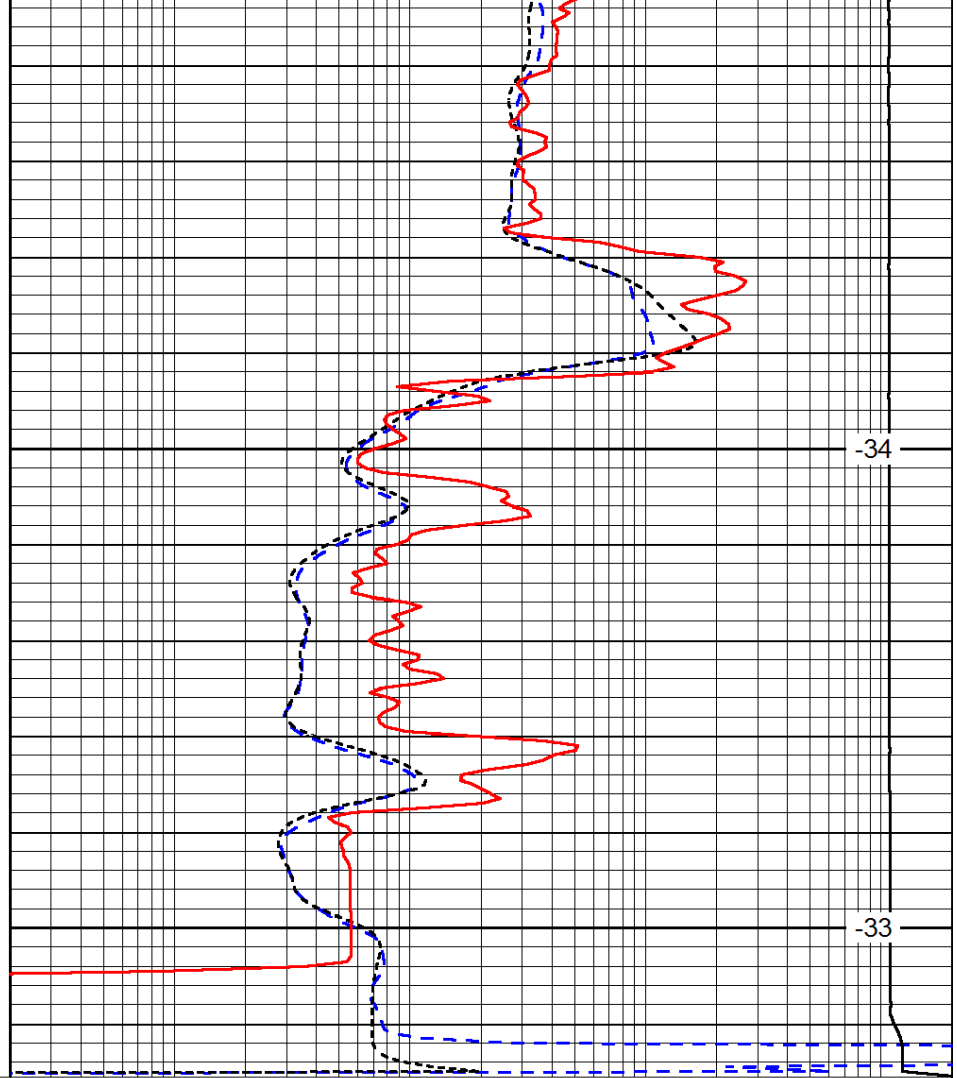
-34



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

4800

4850



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

-34

-33

LSPD