



Pioneer Energy Services

Dual Induction Log

API No.	15-015-23,959-00-00	
Company	Vess Oil Corporation	
Well	Wilson "A" No. 445	
Field	El Dorado	
County	Butler	State
		Kansas
Location	1500' FNL & 2310' FWL	
Sec: 9	Twp: 25 S	Rge: 5 E
Permanent Datum	Ground Level	Elevation 1357
Log Measured From	Kelly Bushing	6 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	K.B. 1363 D.F. 1357 G.L. 1357

Date	11/07/2012
Run Number	One
Depth Driller	2495
Depth Logger	2494
Bottom Logged Interval	2493
Top Log Interval	250
Casing Driller	8.625 @ 253
Casing Logger	259
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	800
Density / Viscosity	9.4 52
pH / Fluid Loss	9.5 8.2
Source of Sample	Flowline
Rm @ Meas. Temp	.90 @ 63
Rmf @ Meas. Temp	.68 @ 63
Rmc @ Meas. Temp	1.22 @ 63
Source of Rmf / Rmc	Charts
Rm @ BHT	.56 @ 101
Operating Rig Time	5 Hours
Max Rec. Temp. F	101
Equipment Number	108
Location	Hays
Recorded By	D. Martin
Witnessed By	Roger Martin

<<< 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 Log-Tech, Inc.
 (785) 625-3858
 Potwin, KS,
 6 E on 196 Hwy to 40 Rd.,
 2 E, 1/4 N, E Into

Database File: vesshd.db
 Dataset Pathname: dil/vessdil
 Presentation Format: dil2in
 Dataset Creation: Wed Nov 07 23:12:03 2012
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150
-200 SP 0

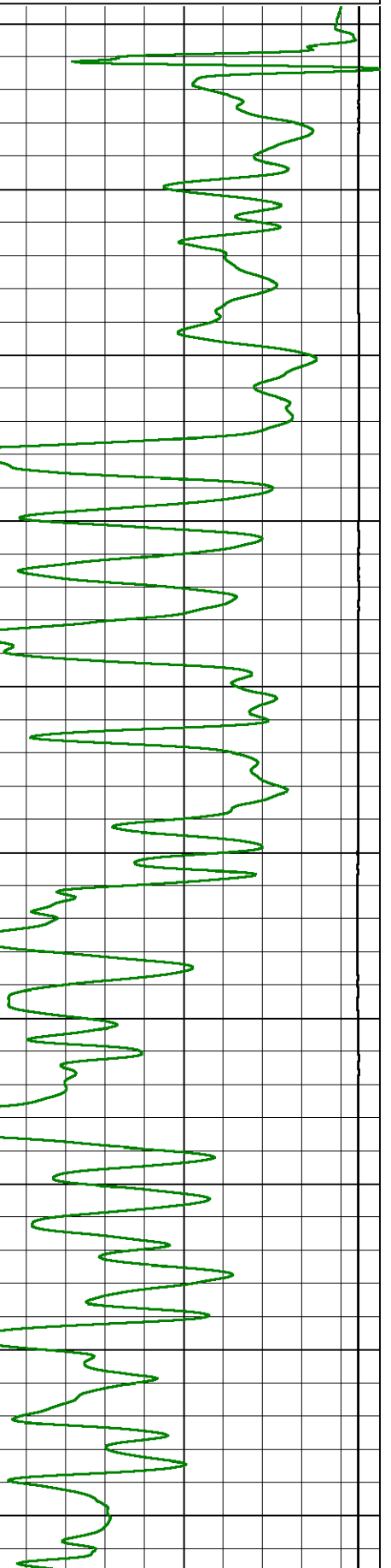
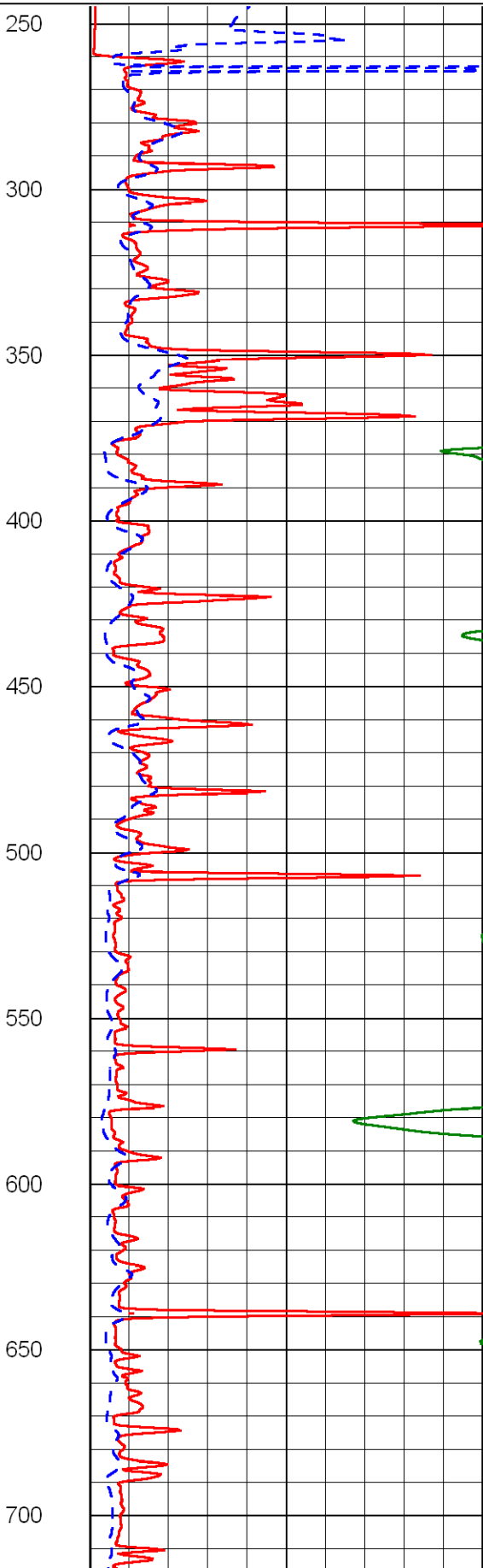
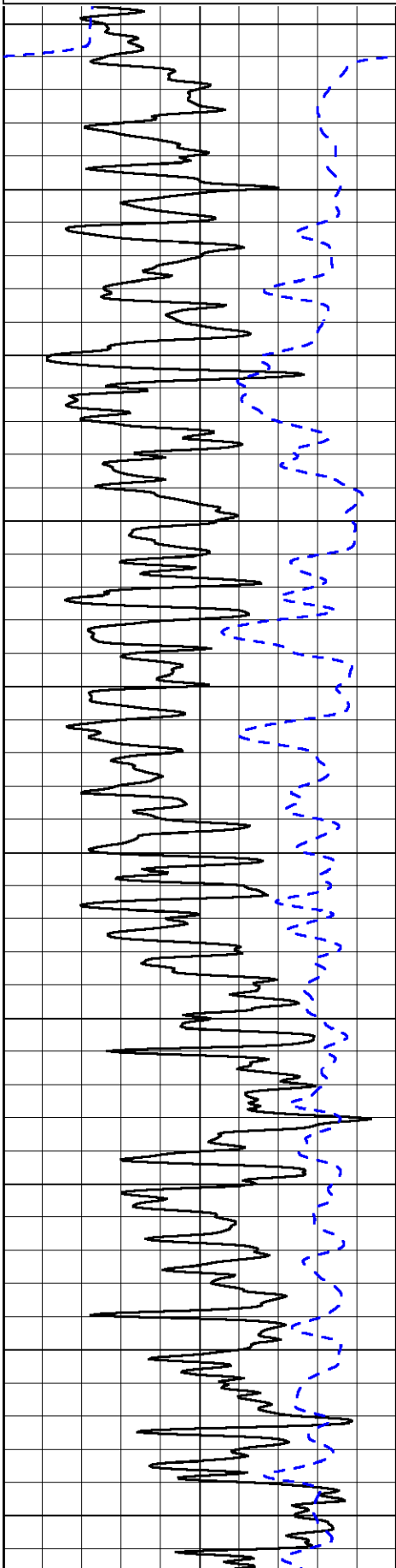
0 Shallow Resistivity 50
0 Deep Resistivity 50

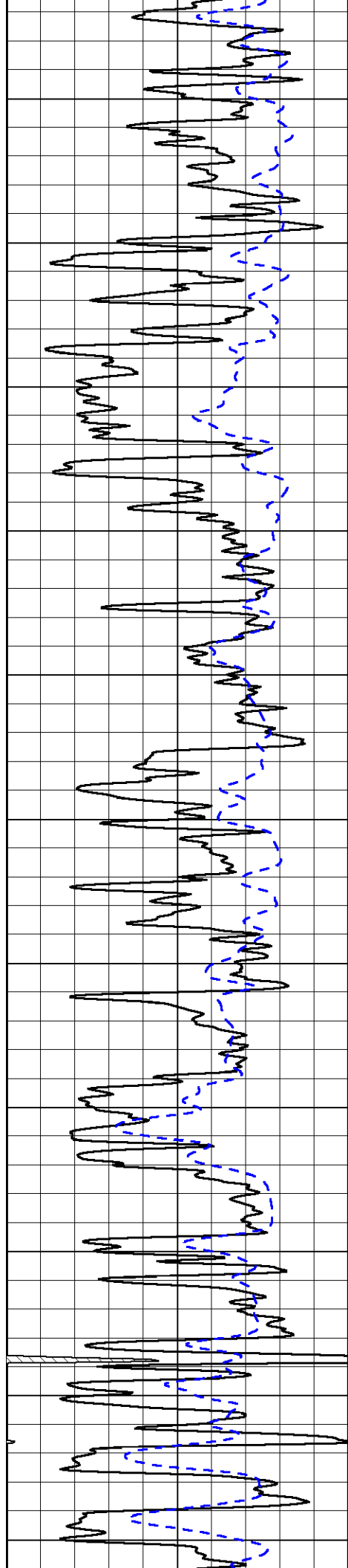
1000 Conductivity 0

15000 Line Tension 0

50 Shallow Resistivity 500

50 Deep Resistivity 500





750

800

850

900

950

1000

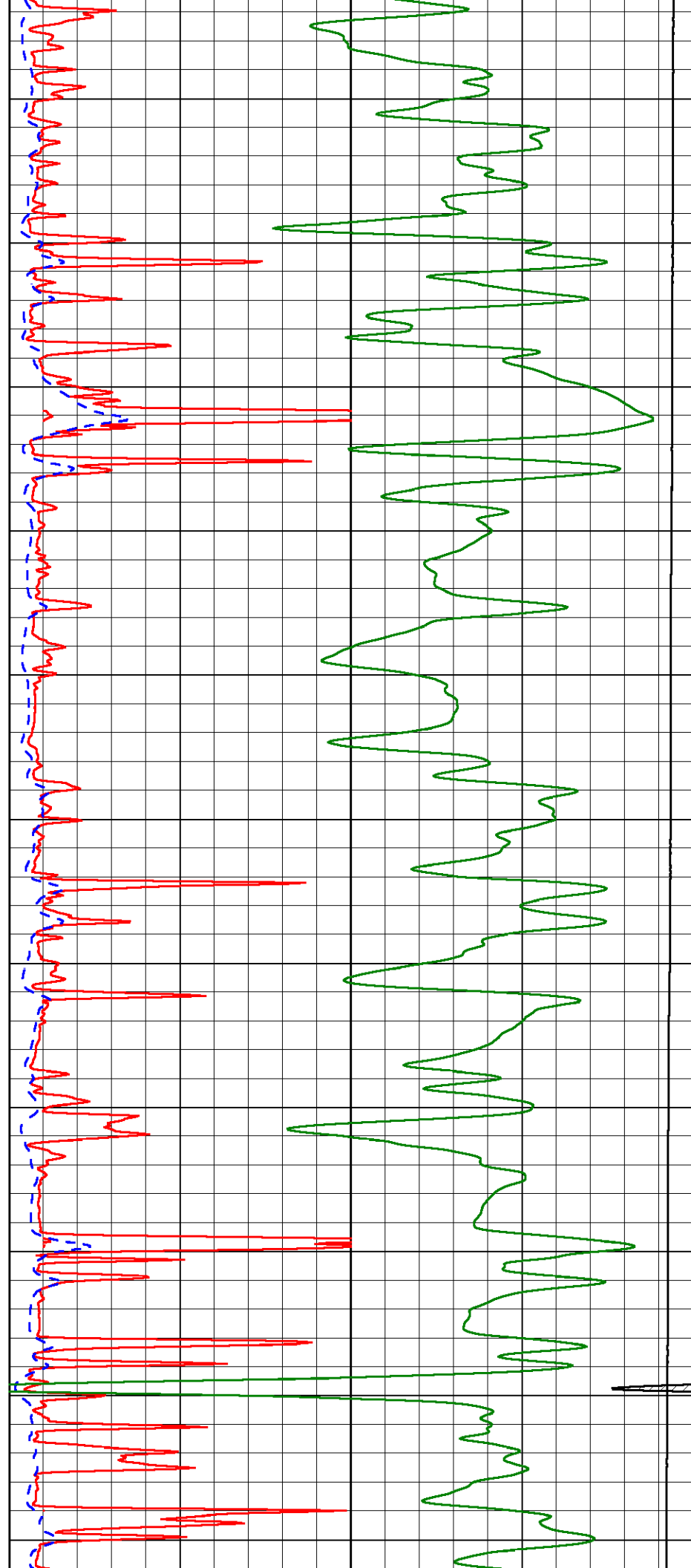
1050

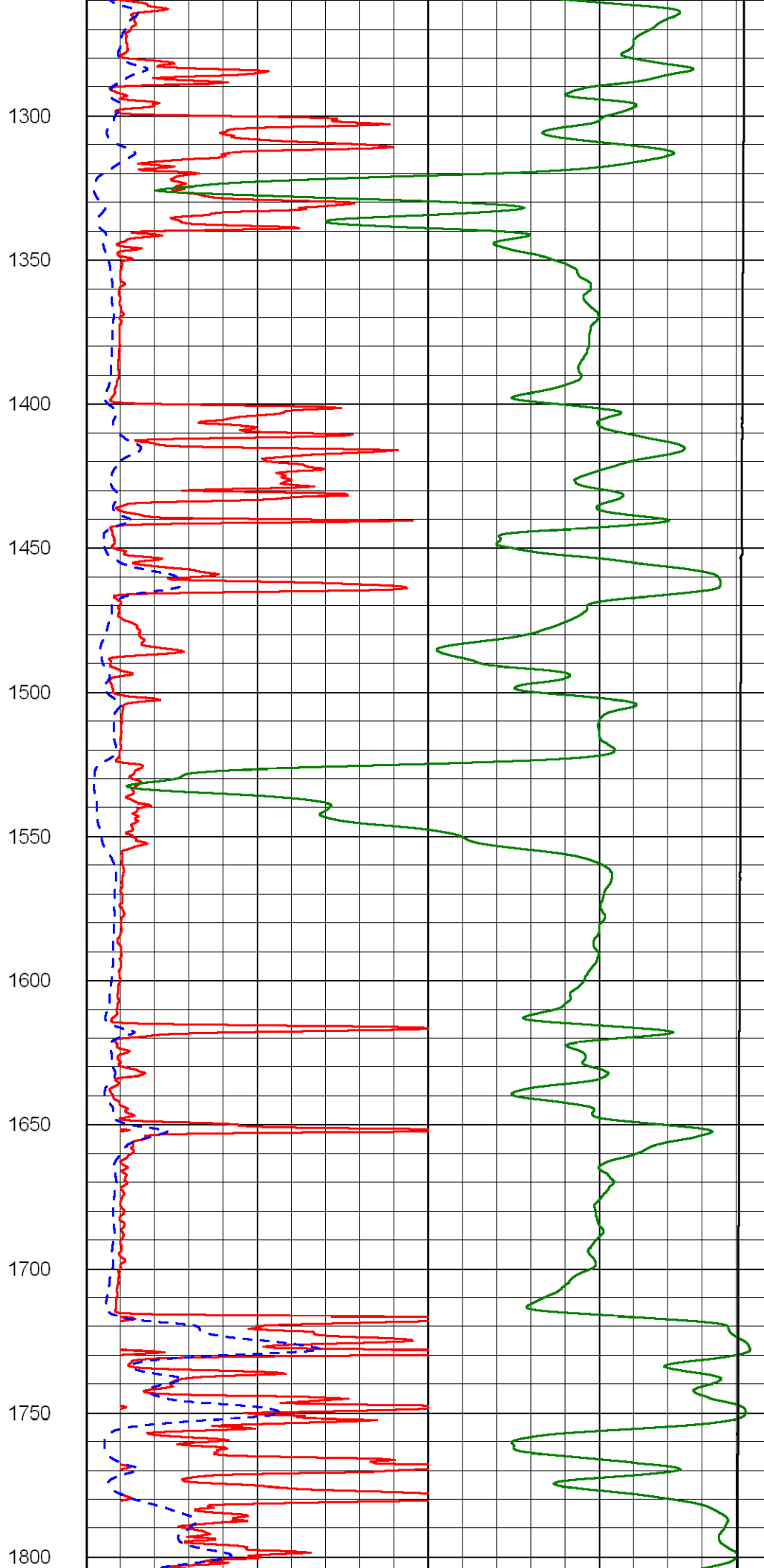
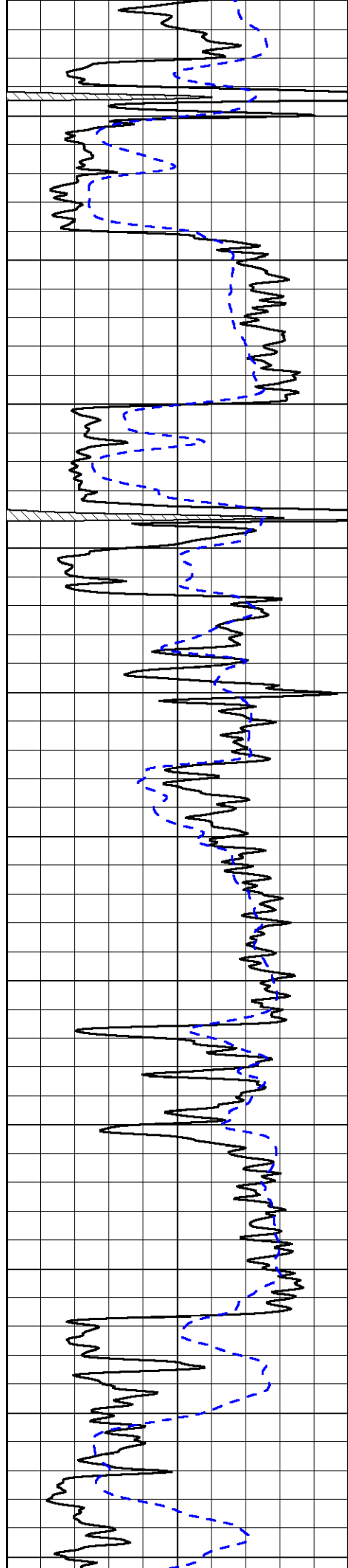
1100

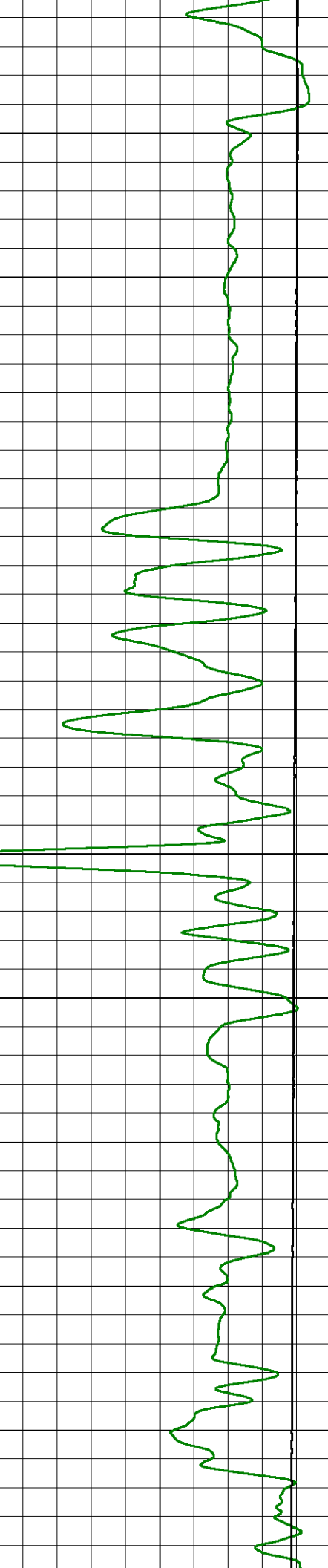
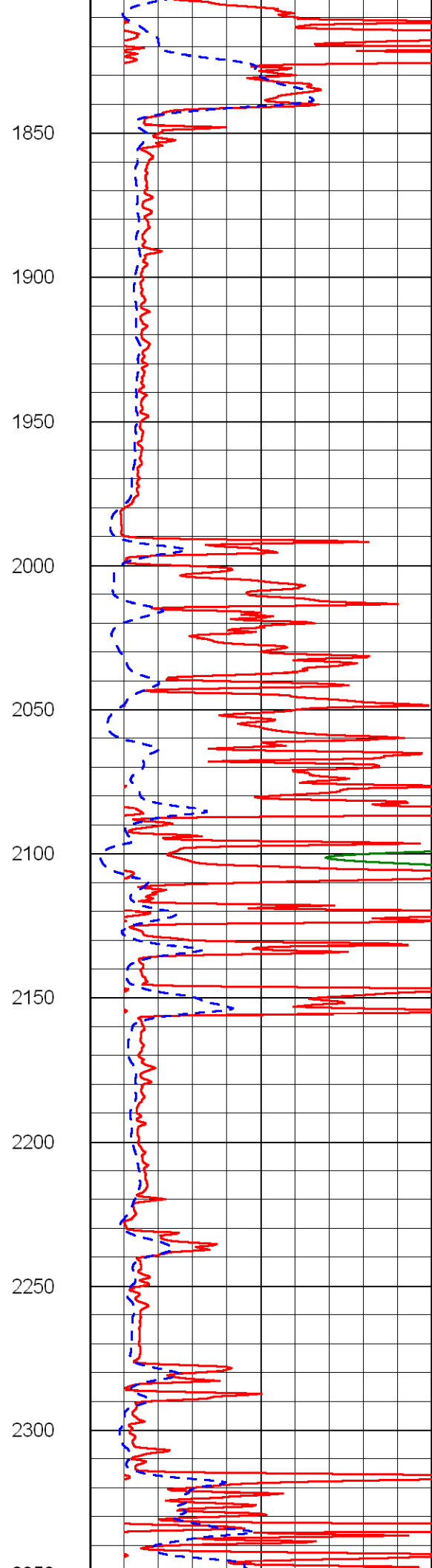
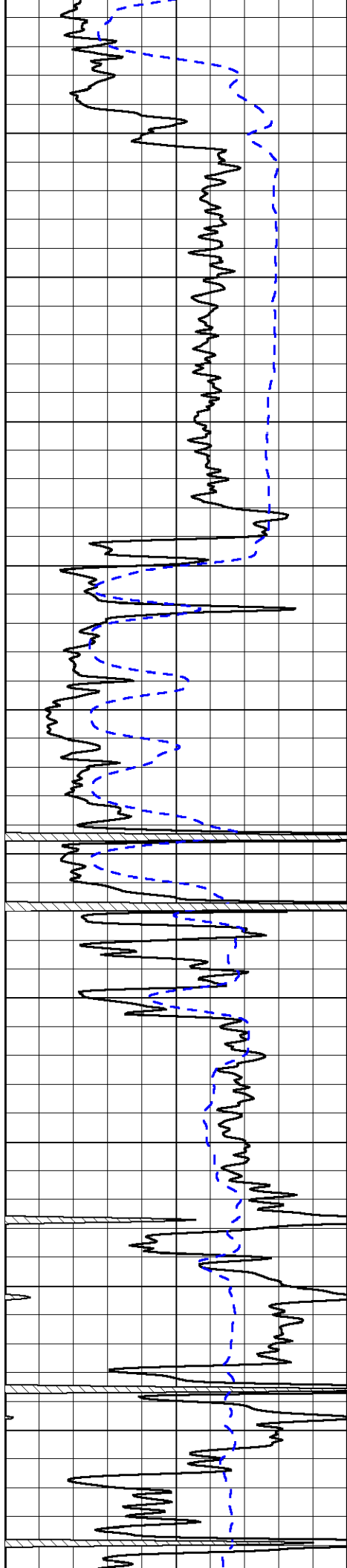
1150

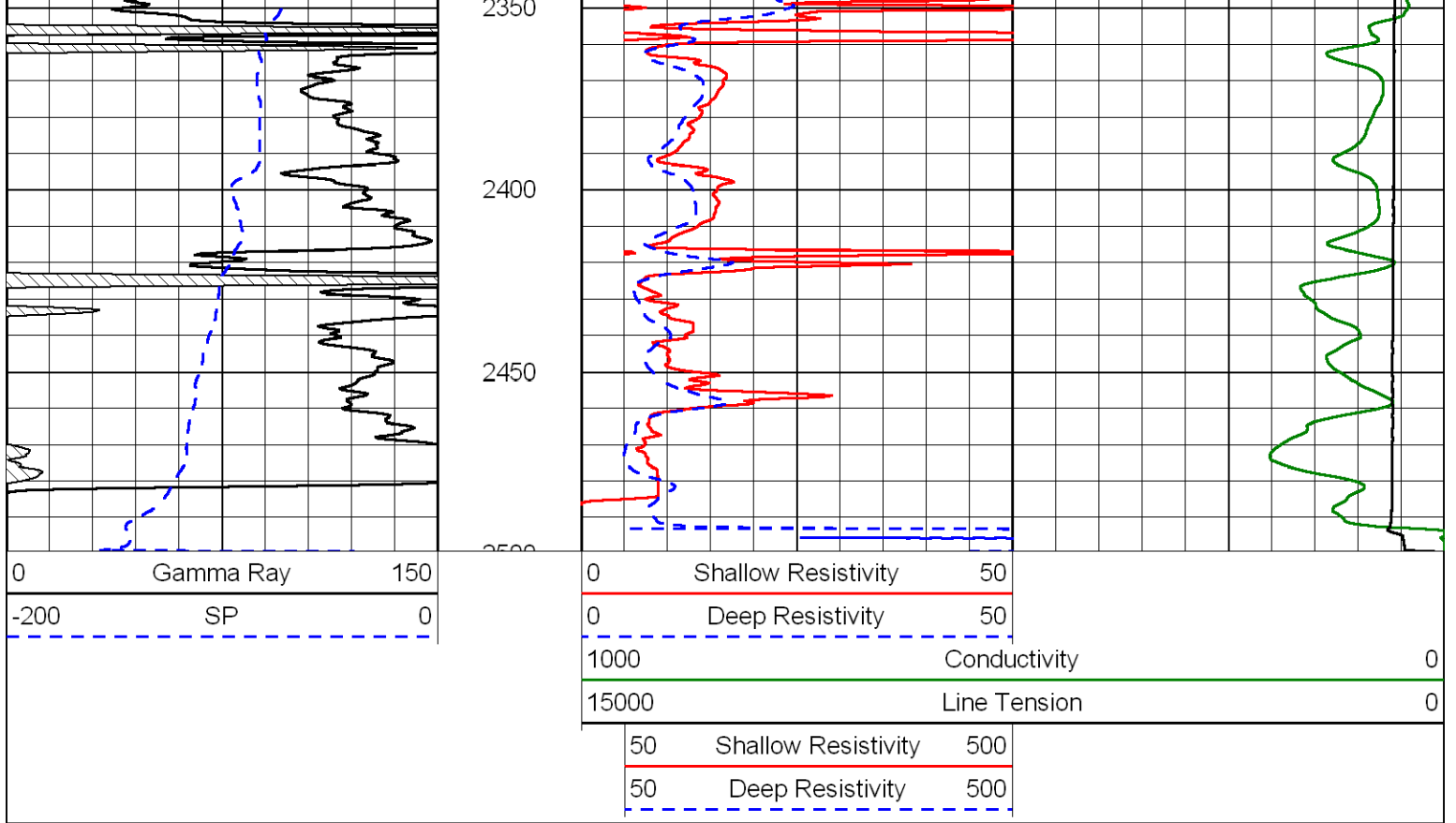
1200

1250

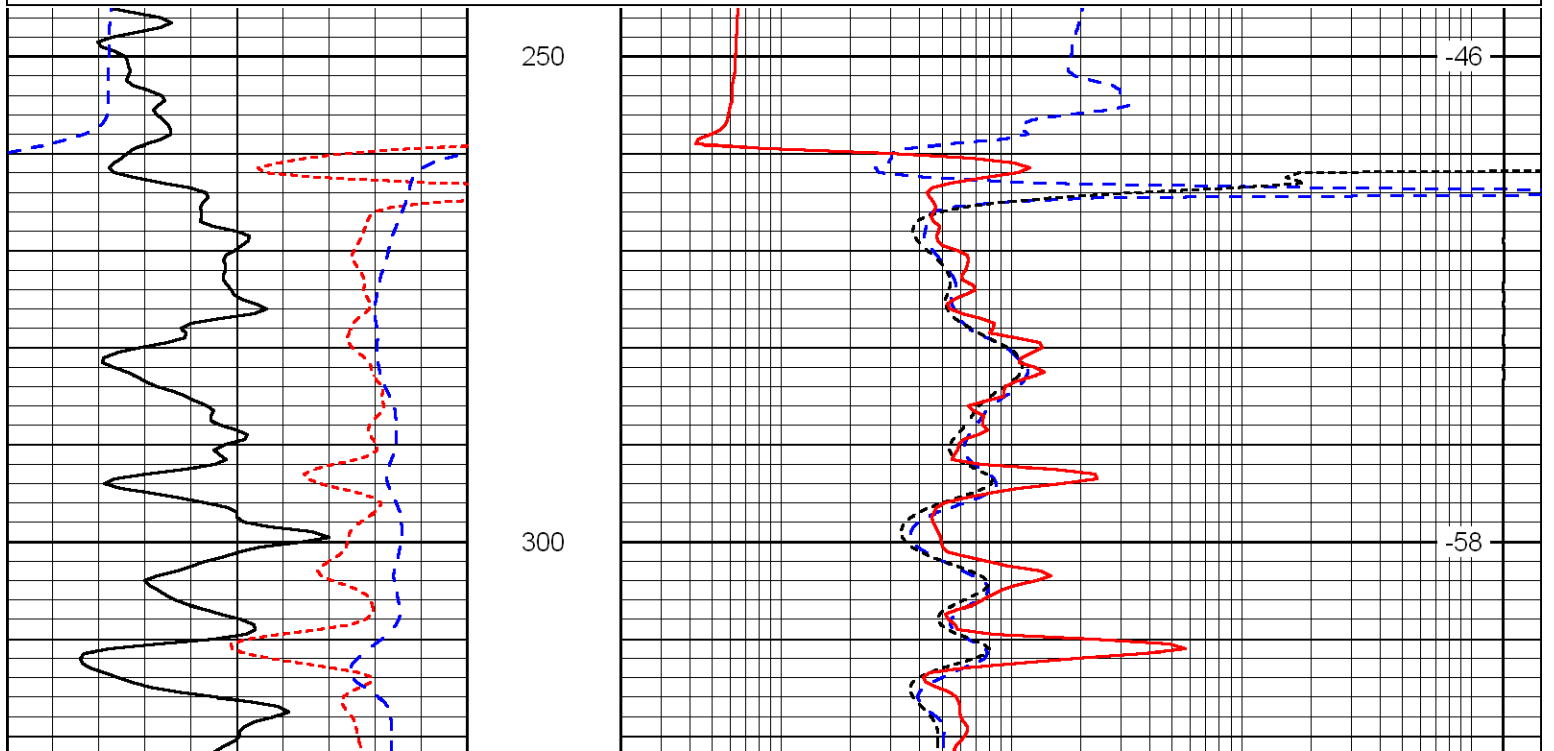
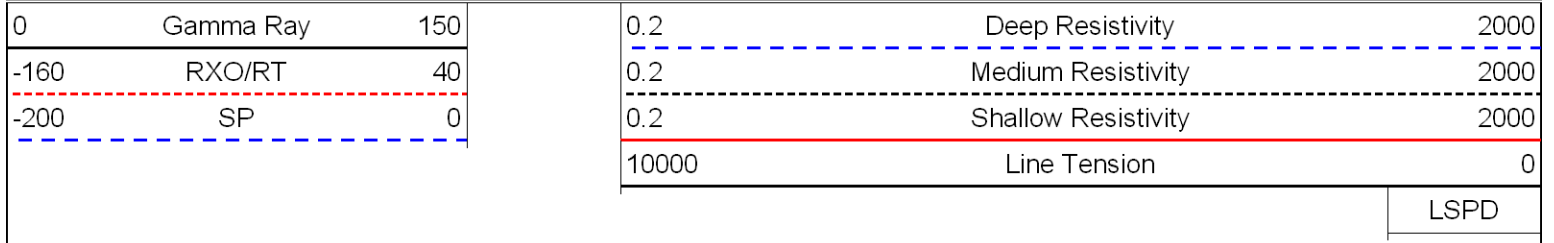


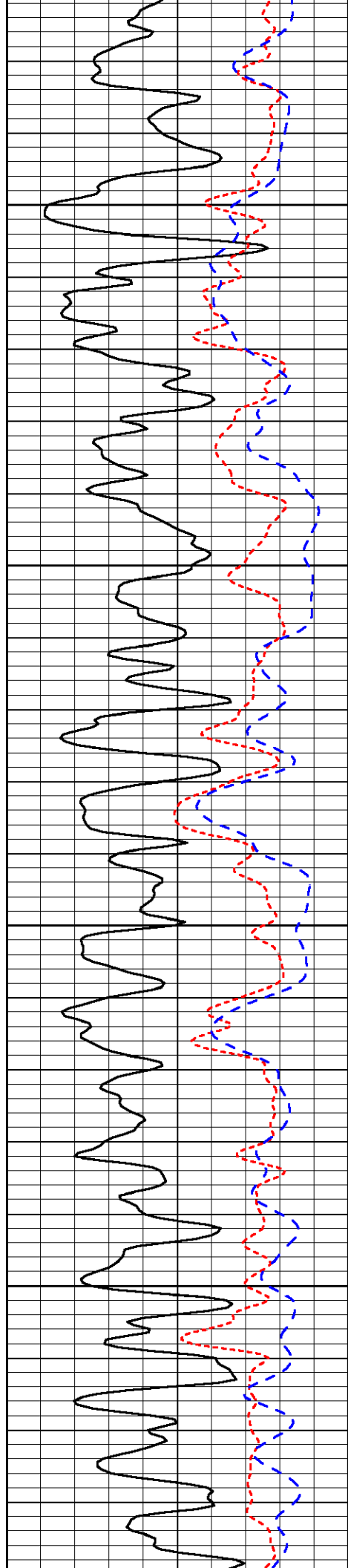






Database File: vesshd.db
 Dataset Pathname: dil/vessdil
 Presentation Format: dil
 Dataset Creation: Wed Nov 07 23:12:03 2012
 Charted by: Depth in Feet scaled 1:240



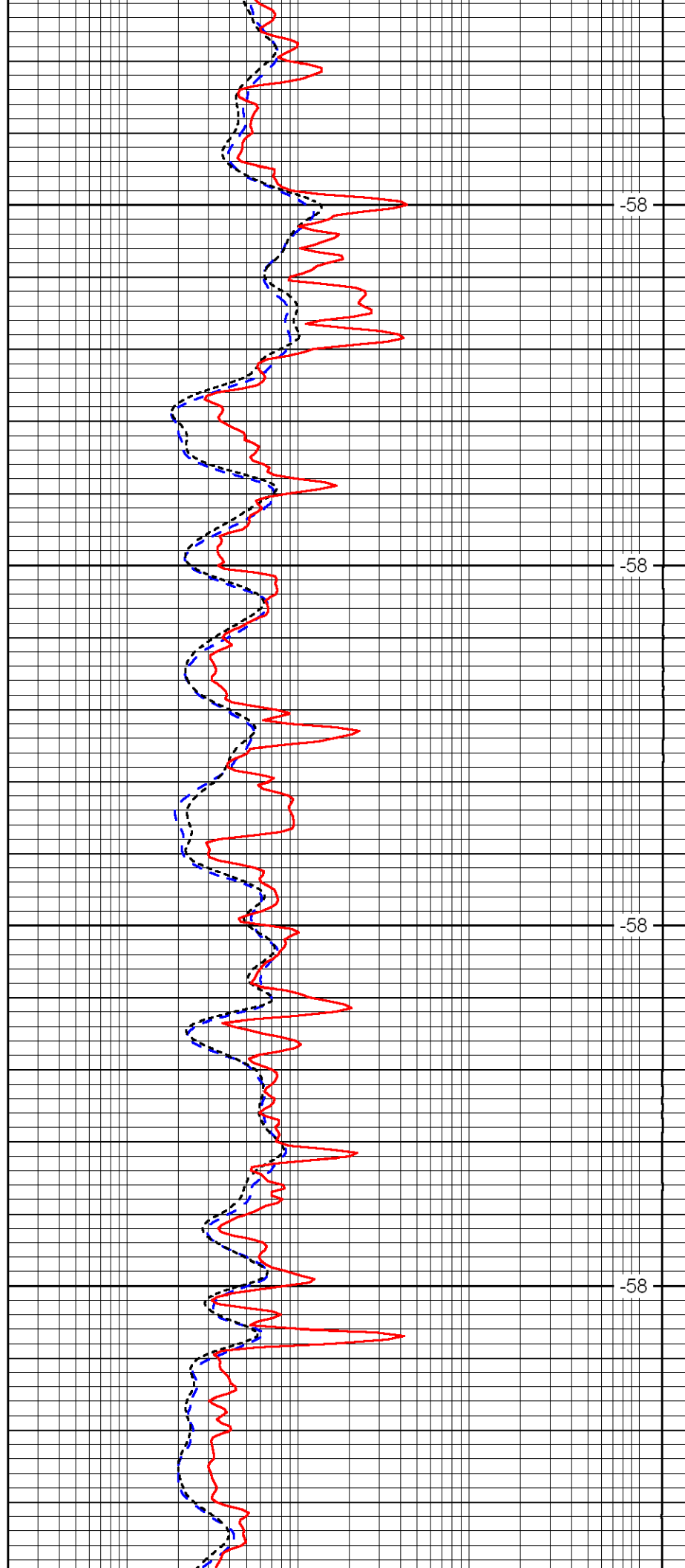


350

400

450

500

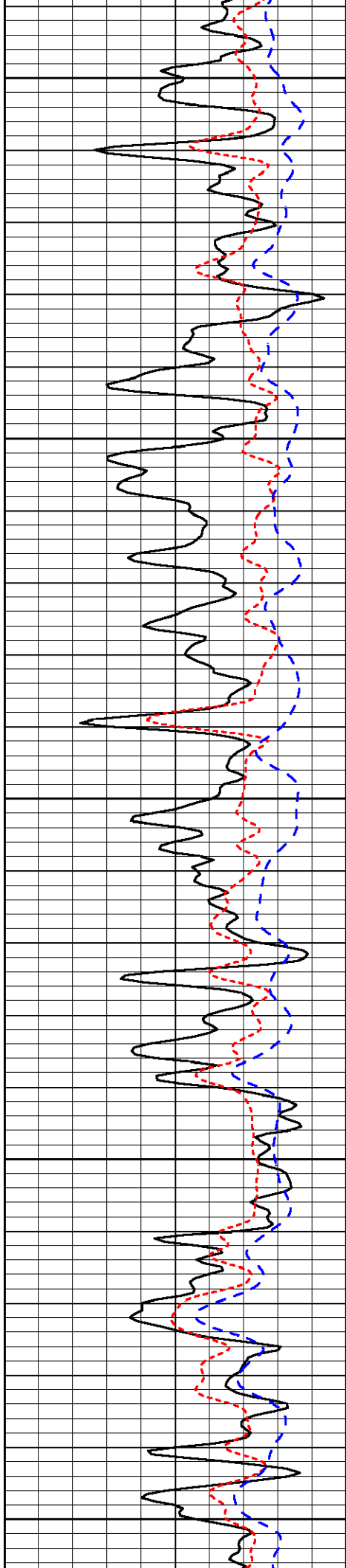


-58

-58

-58

-58



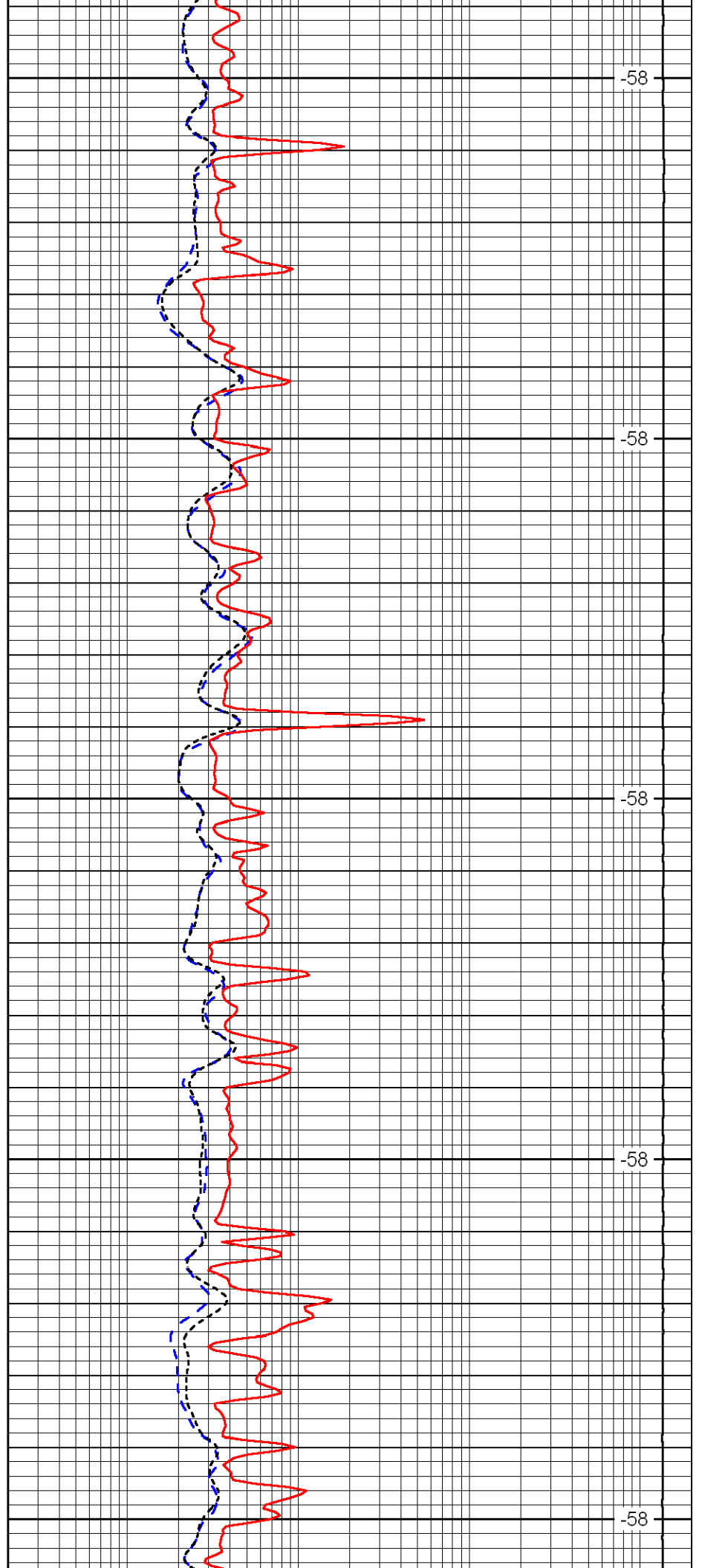
550

600

650

700

750



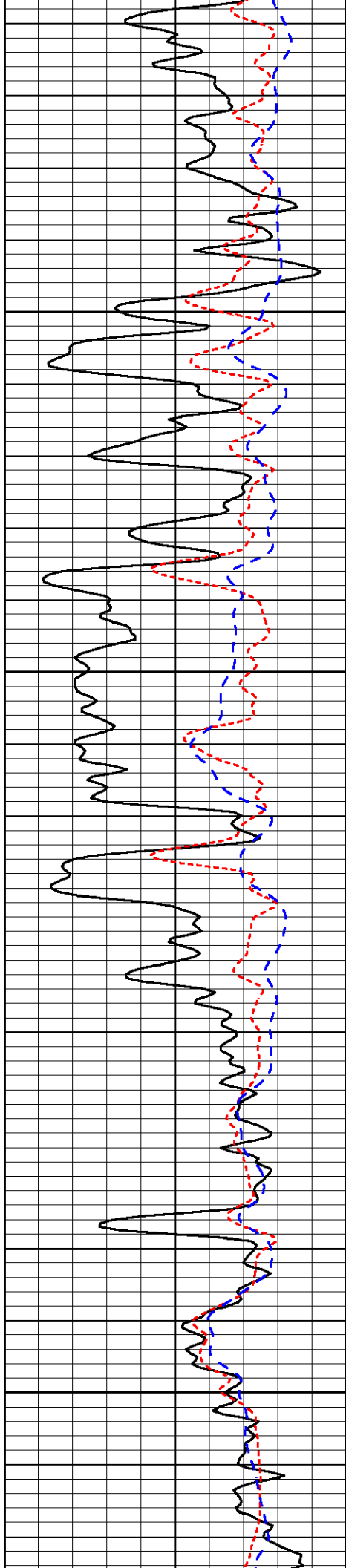
-58

-58

-58

-58

-58

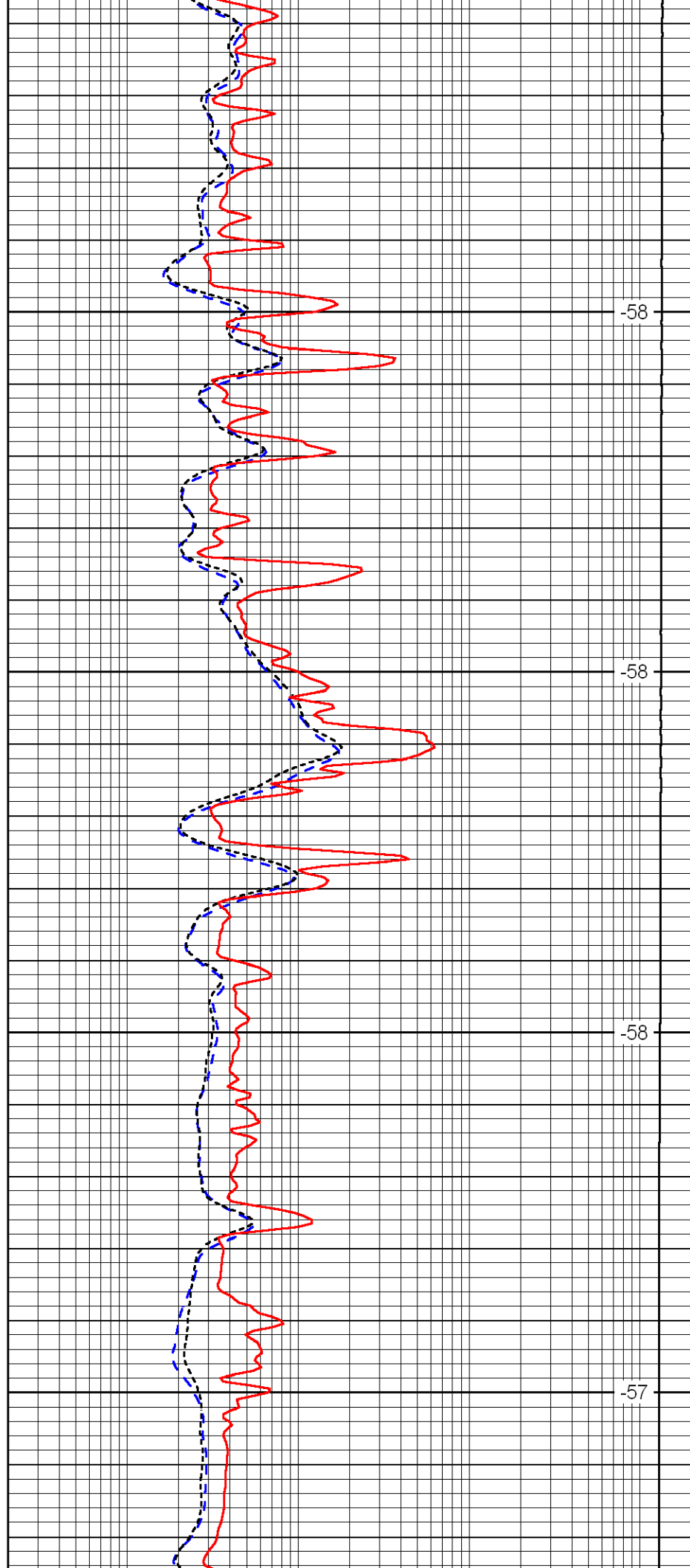


800

850

900

950

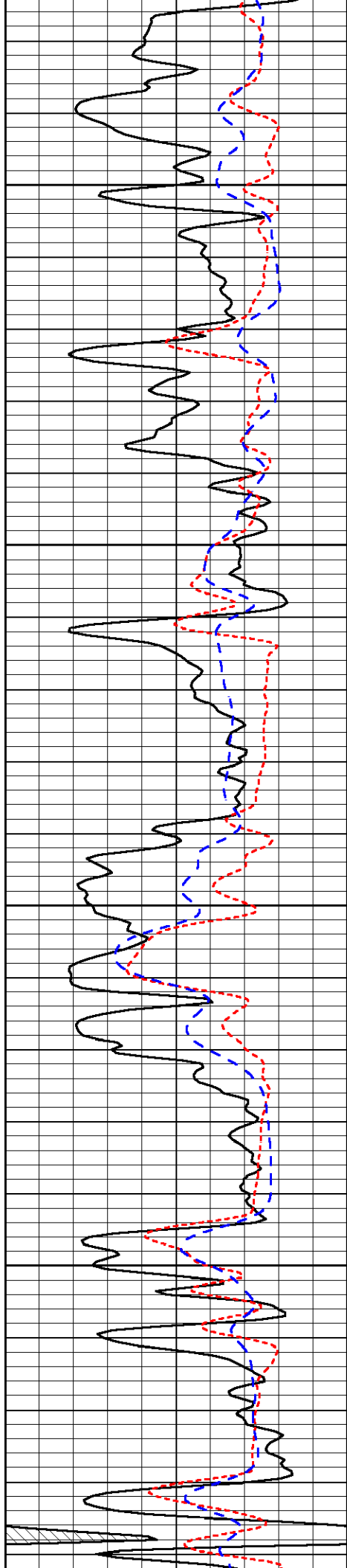


-58

-58

-58

-57

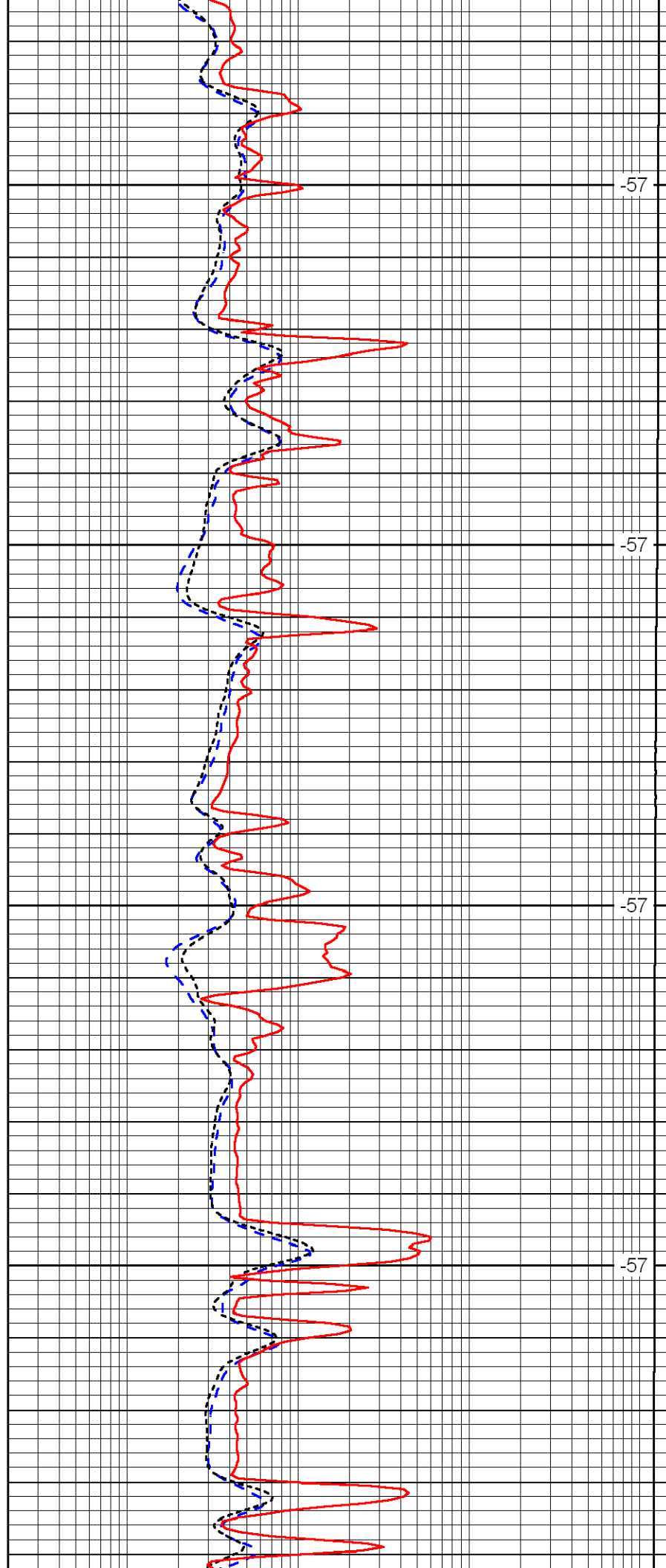


1000

1050

1100

1150

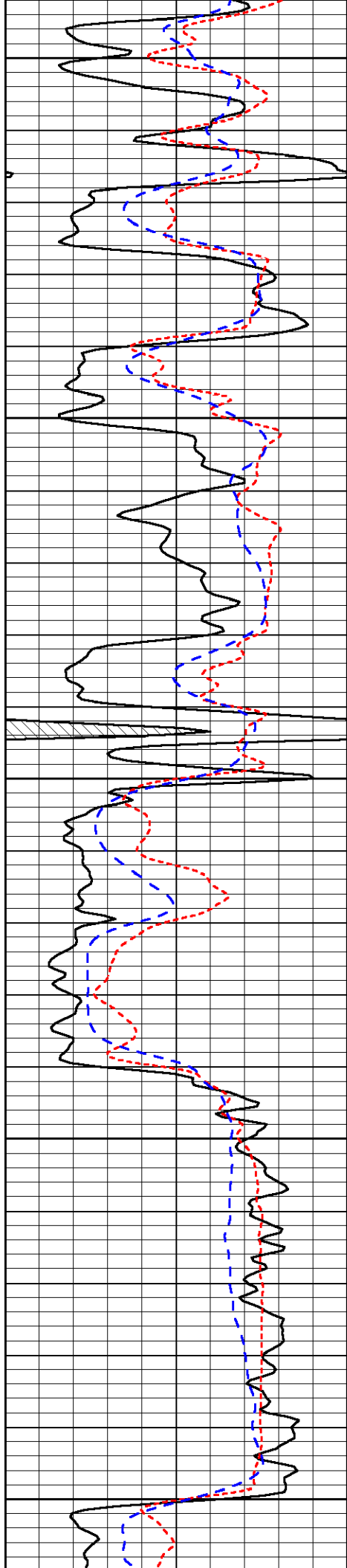


-57

-57

-57

-57



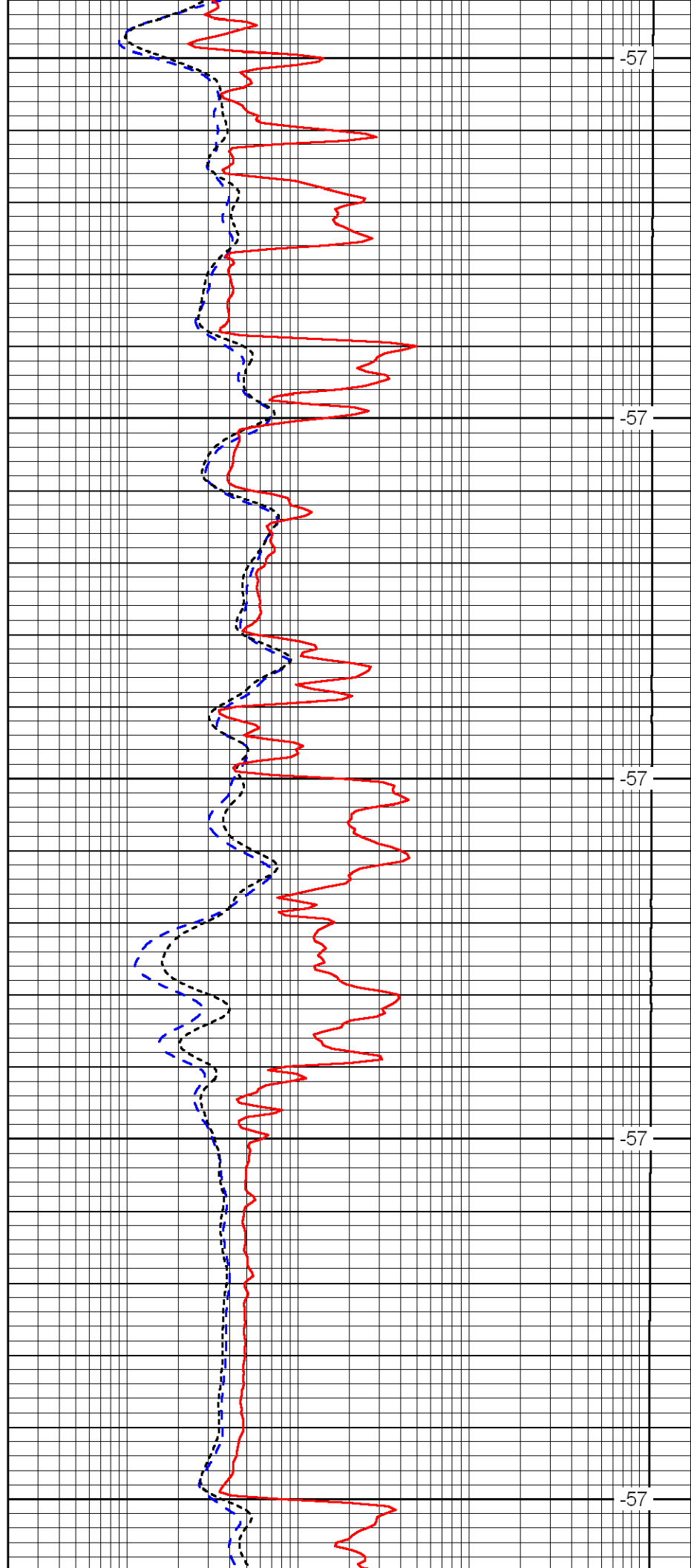
1200

1250

1300

1350

1400



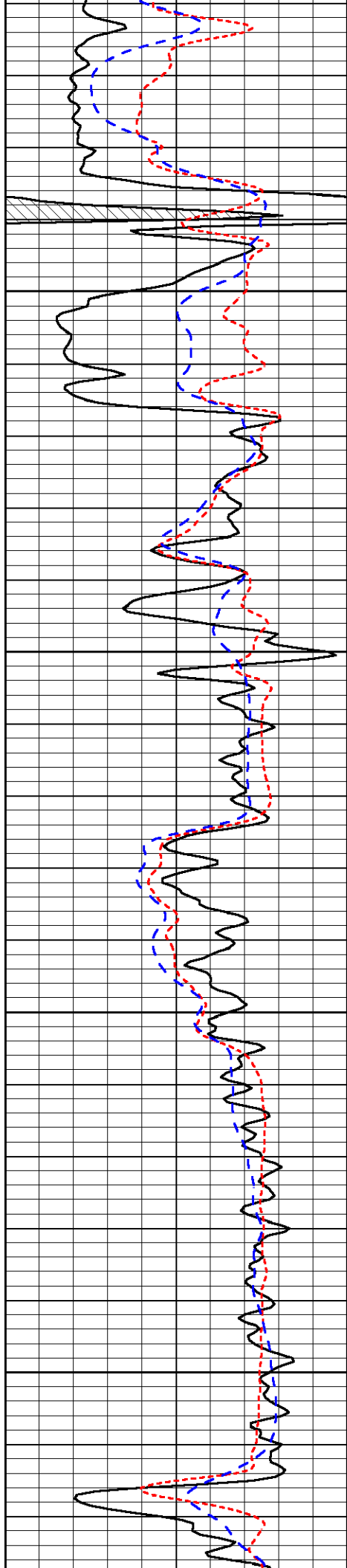
-57

-57

-57

-57

-57

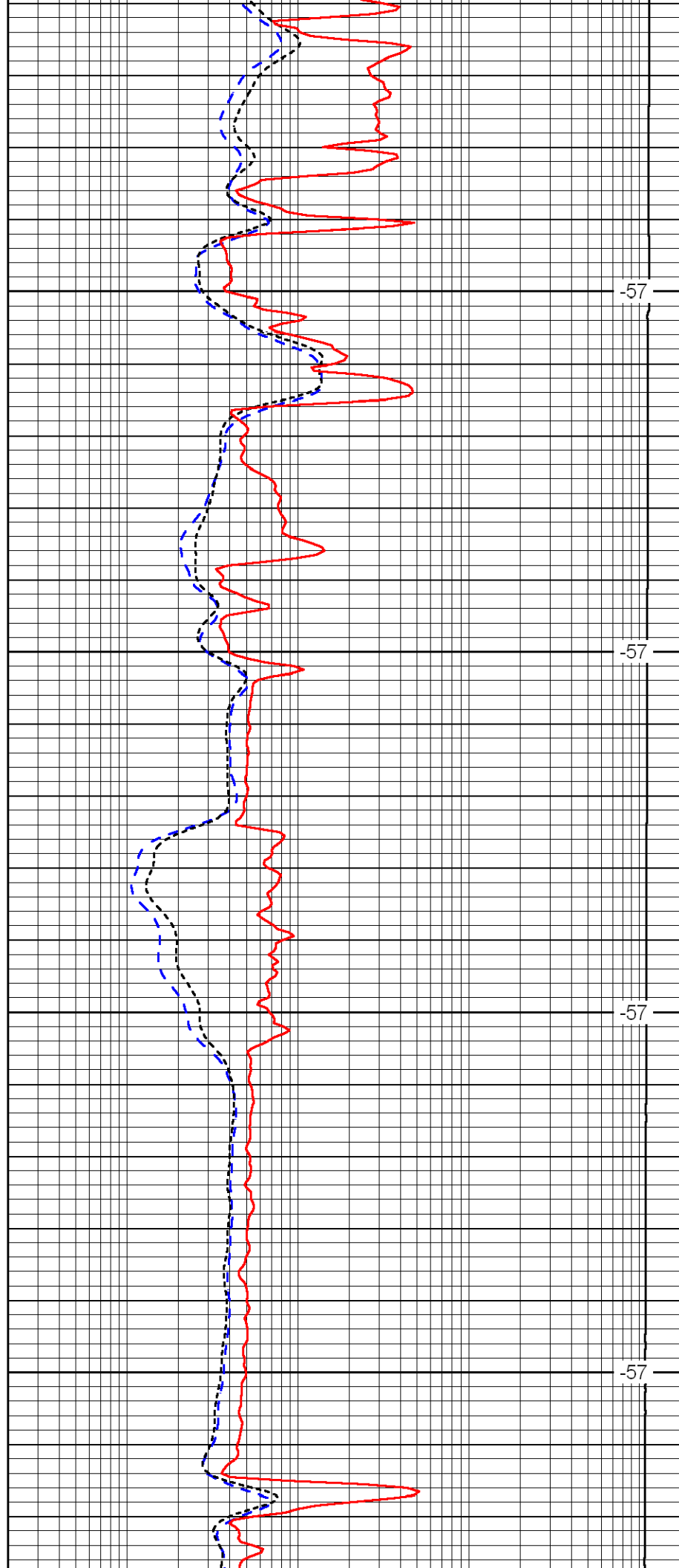


1450

1500

1550

1600

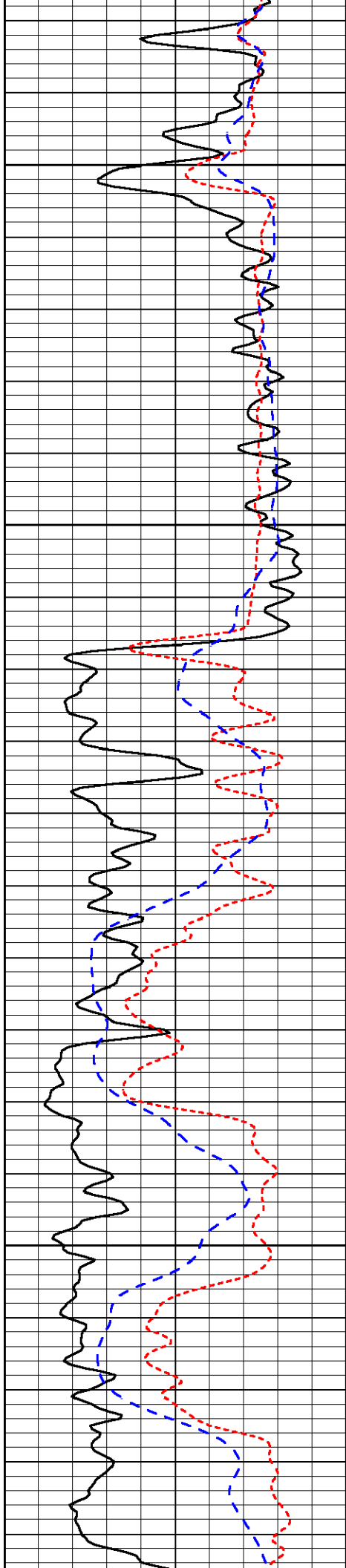


-57

-57

-57

-57

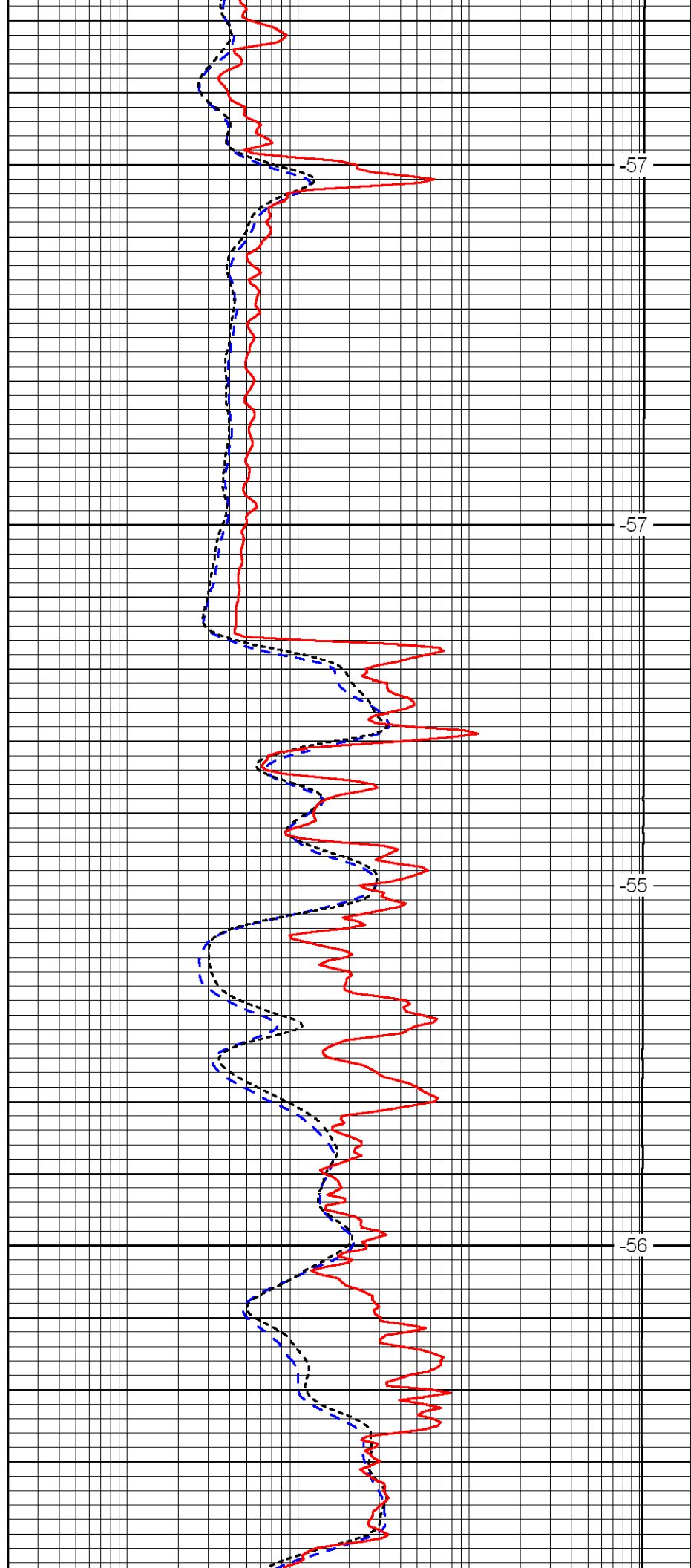


1650

1700

1750

1800

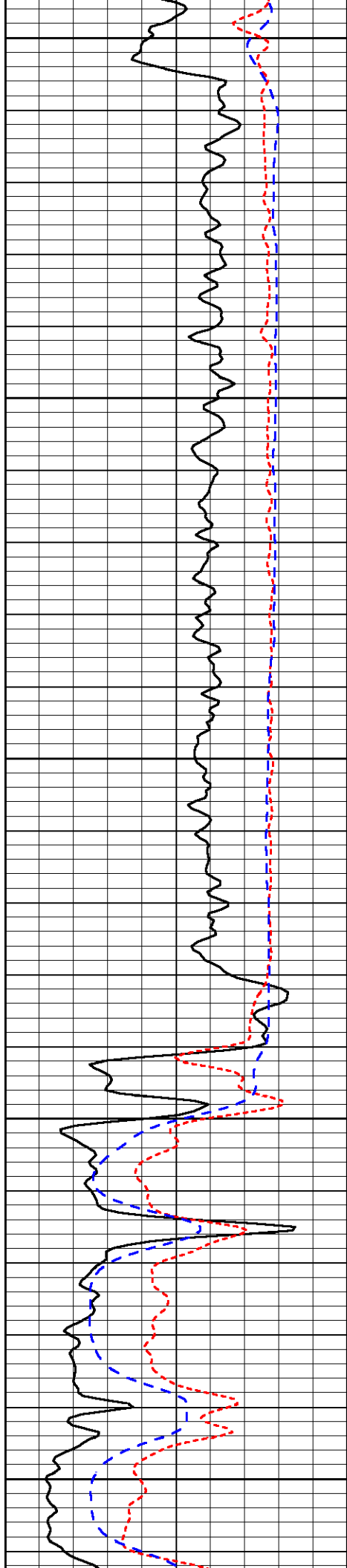


-57

-57

-55

-56



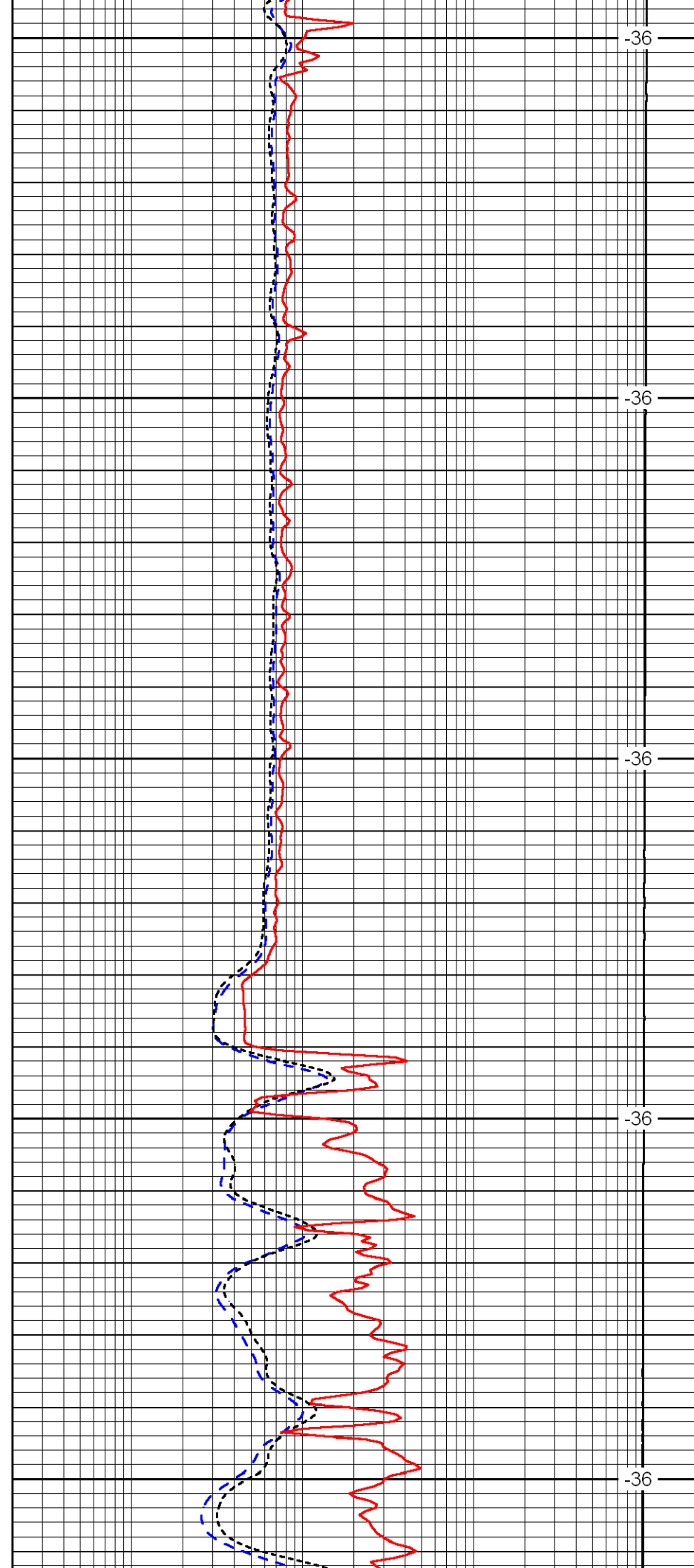
1850

1900

1950

2000

2050



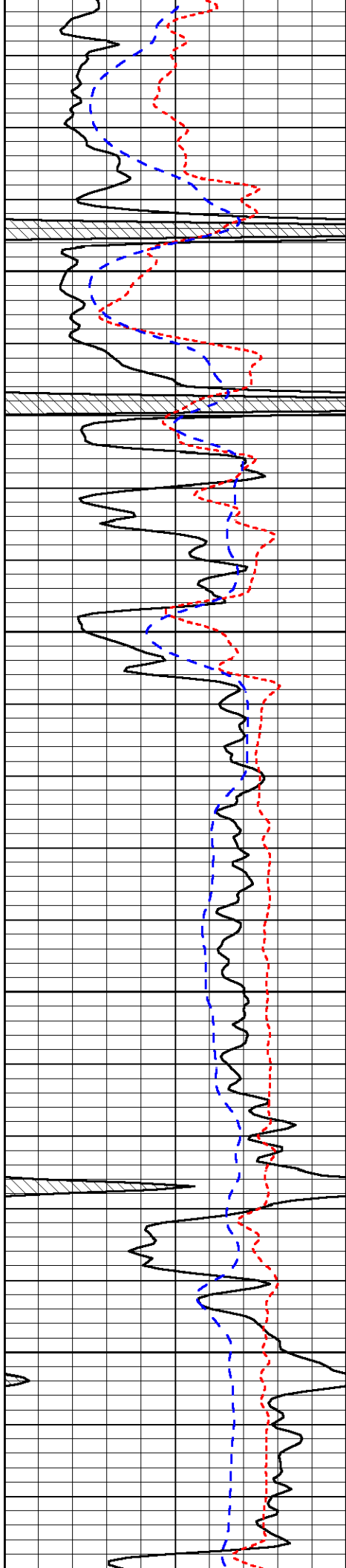
-36

-36

-36

-36

-36

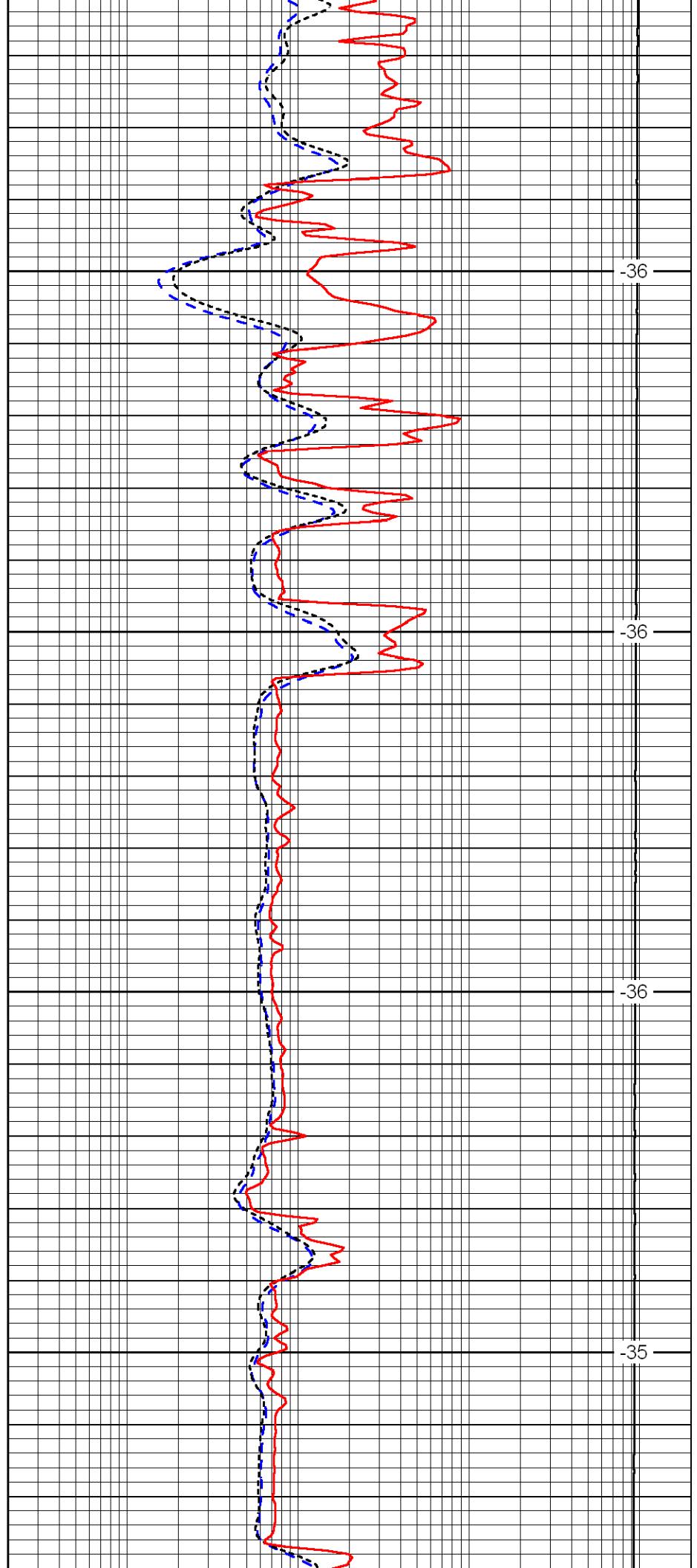


2100

2150

2200

2250

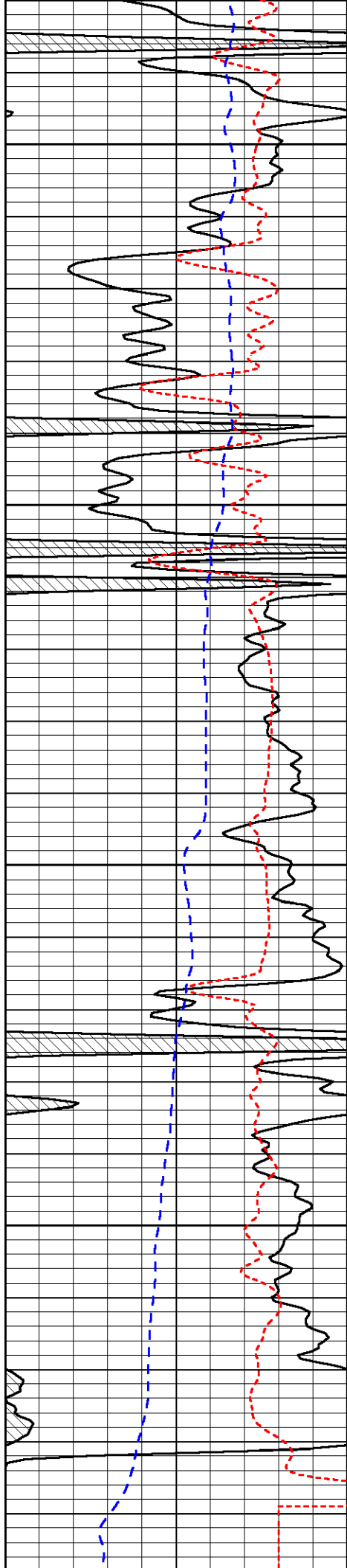


-36

-36

-36

-35

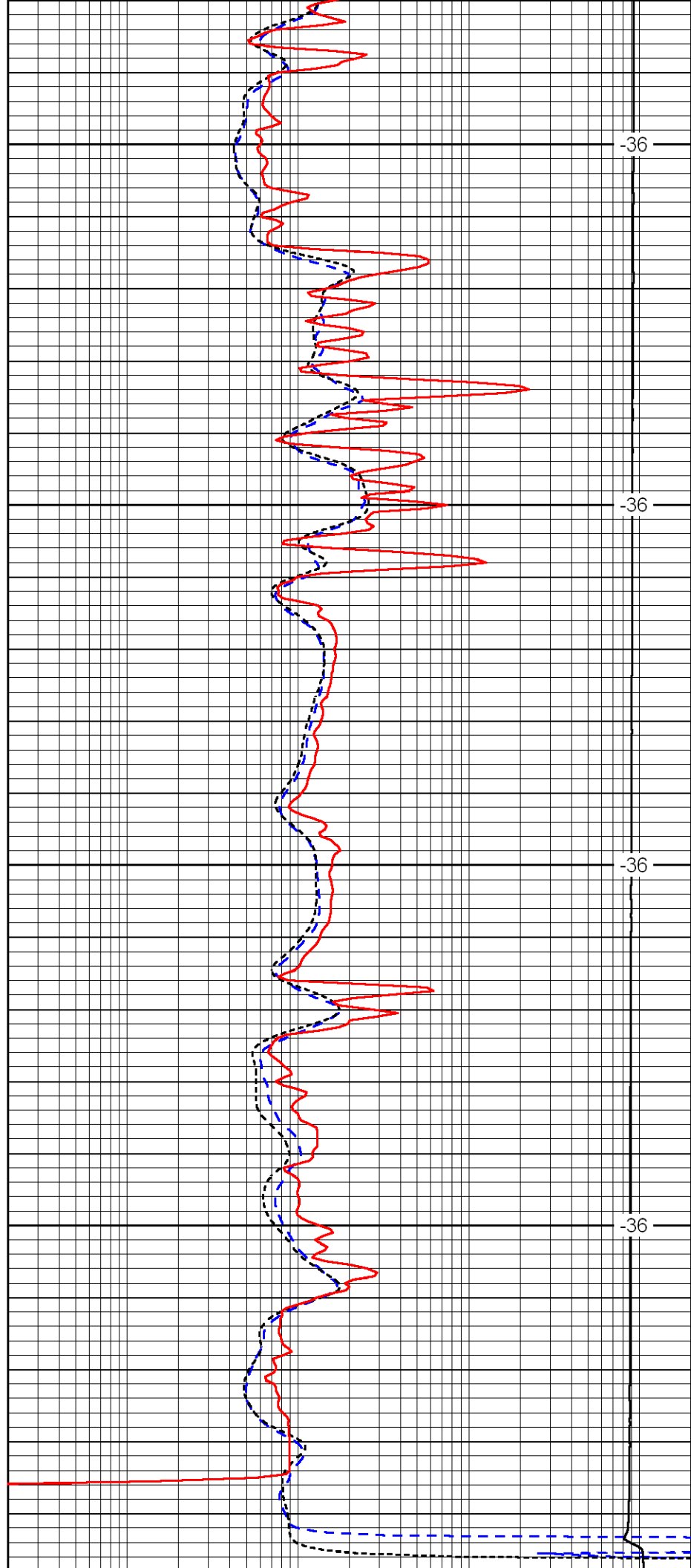


2300

2350

2400

2450



-36

-36

-36

-36

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD