



Pioneer Energy Services

Dual Induction Log

15-171-21115-00-00

API No.	Company Val Energy, Inc.		Other Services CNL/CDL MEL
	Well 4-H Foundation #1-17	Elevation 3069	
	Field Unknown	Log Measured From Kelly Bushing	K.B. 3079
	County Scott	Drilling Measured From Front Kelly Bushing	D.F. 3069
	State Kansas		G.L. 3069
	Location 2260' FSL & 1106' FEL		
	Sec: 7	Twp: 17S	Rge: 33W
			Elevation 3069
			10 Ft. Above Perm. Datum

Date	12/8/2014
Run Number	One
Depth Driller	4830
Depth Logger	4831
Bottom Logged Interval	4830
Top Log Interval	200
Casing Driller	8.625 @ 214
Casing Logger	215
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	6500
Density / Viscosity	9.4 56
pH / Fluid Loss	9.0 8.8
Source of Sample	Flowline
Rm @ Meas. Temp	0.50 @ 54
Rmf @ Meas. Temp	0.38 @ 54
Rmc @ Meas. Temp	0.68 @ 54
Source of Rmf / Rmc	Charts
Rm @ BHT	0.22 @ 124
Operating Rig Time	3 hours
Max Rec. Temp. F	124
Equipment Number	91
Location	Hays
Recorded By	D. Schmidt
Witnessed By	Harley Sayles

<<< 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

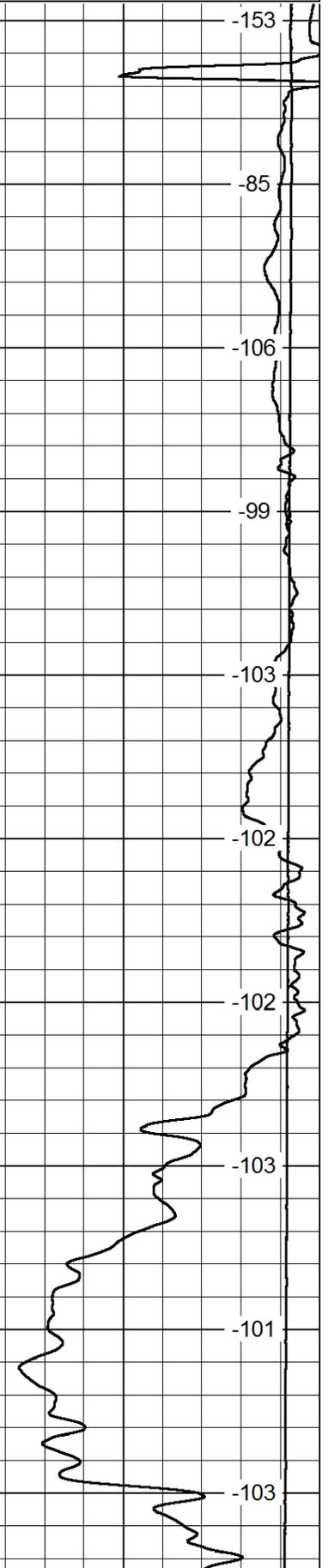
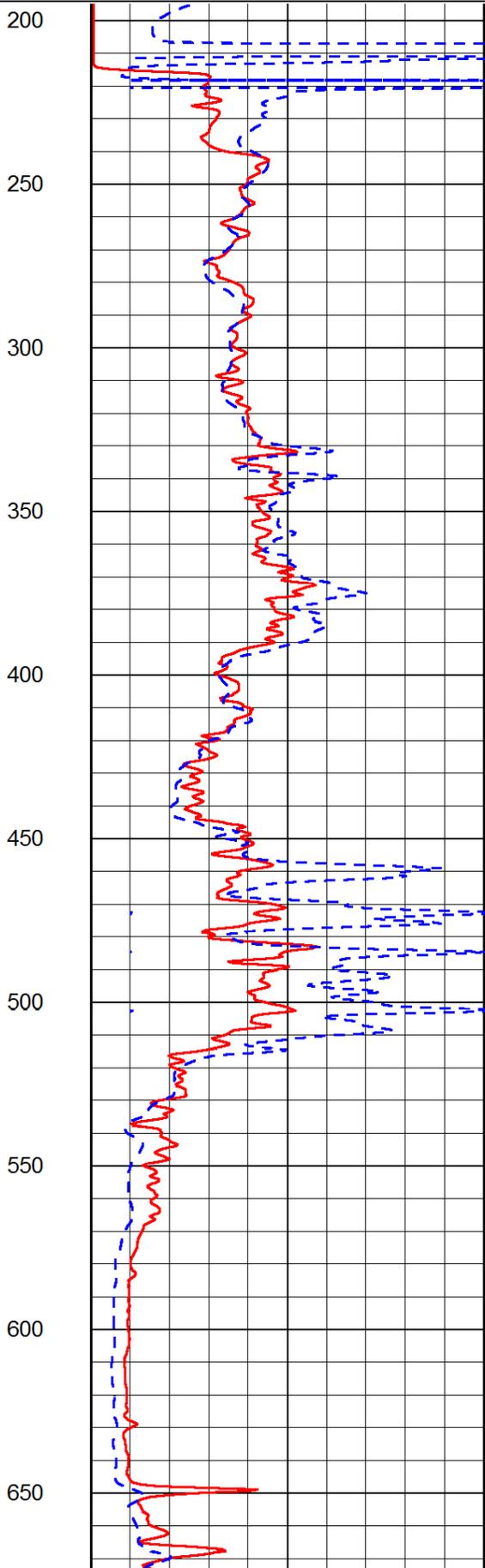
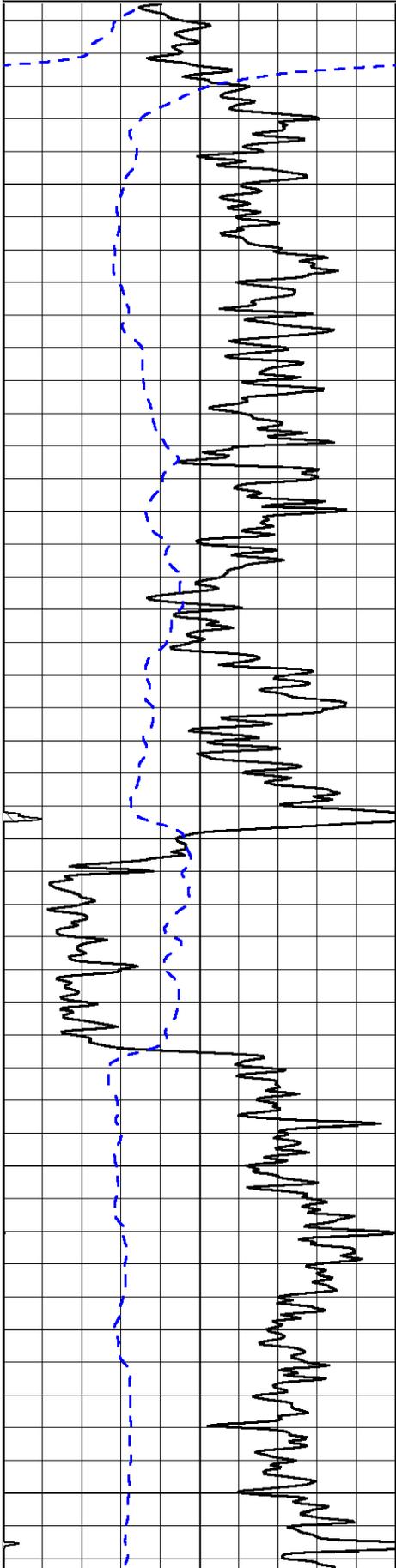
Thank you for using Pioneer Energy Services
www.pioneeres.com
 785 625 3858
 Scott City,
 North to 230 Rd, 4 West, 1 South,
 South to location

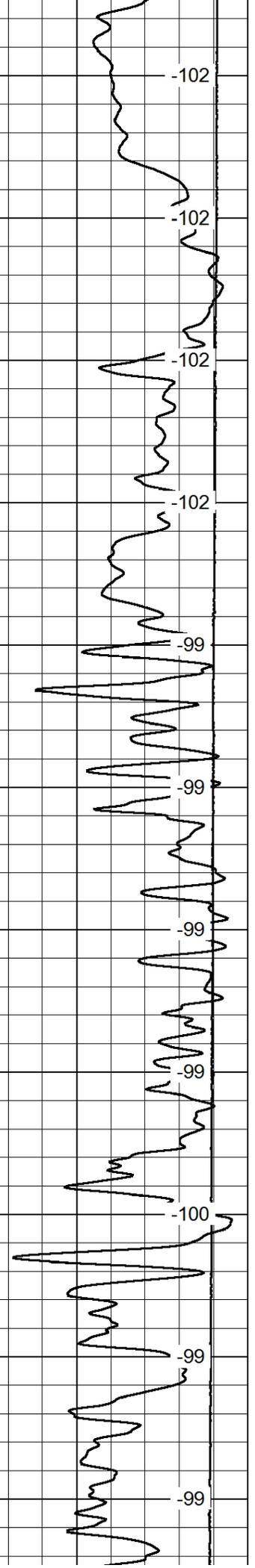
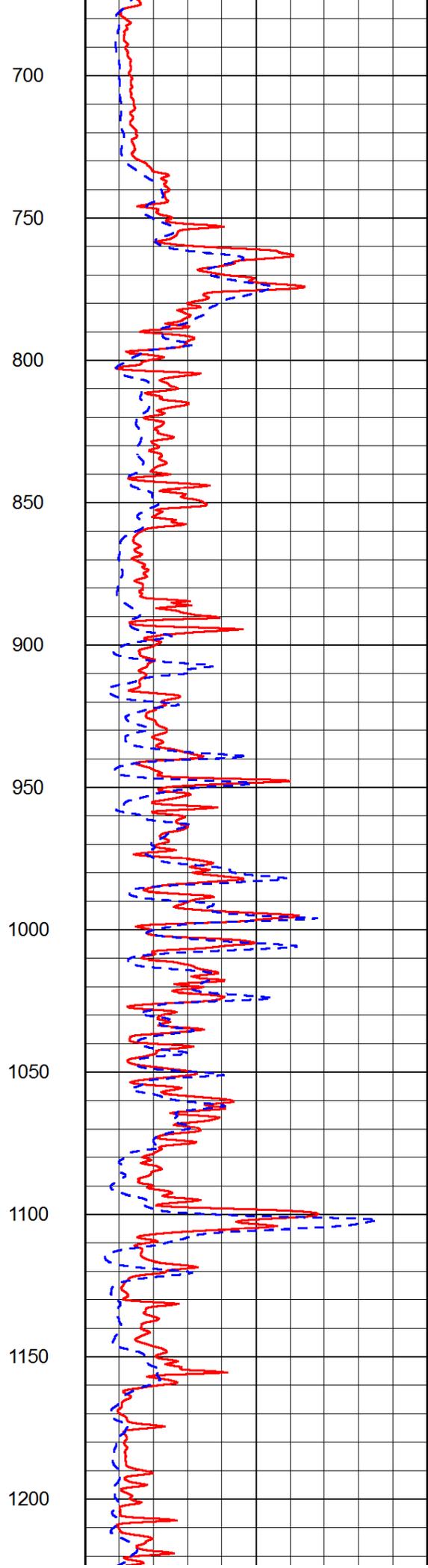
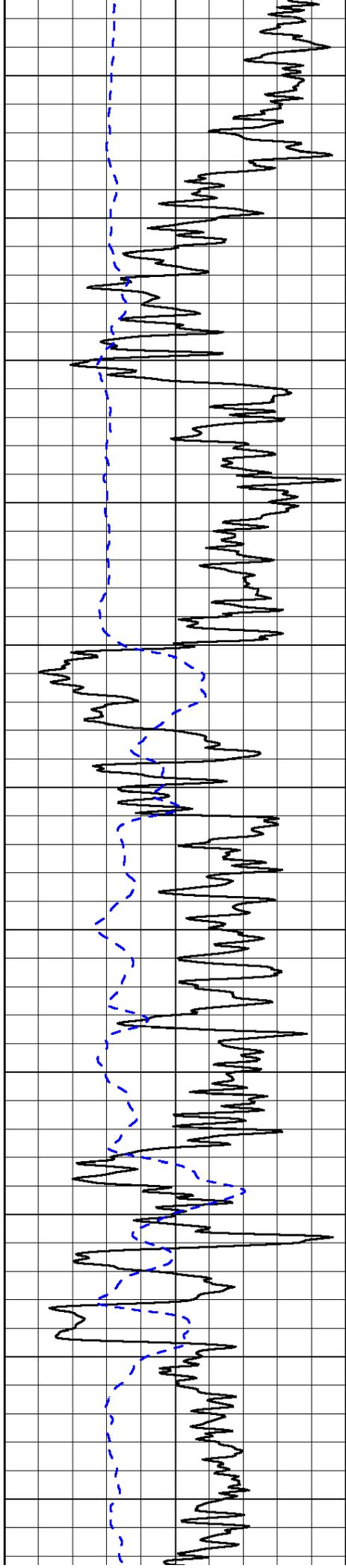
Database File:	c:\warrior\data\val_4-h foundation #1-17\val_4-h foundation_1-17hd.db
Dataset Pathname:	dil\vastkml
Presentation Format:	dil2in
Dataset Creation:	Mon Dec 08 14:00:38 2014
Charted by:	Depth in Feet scaled 1:600

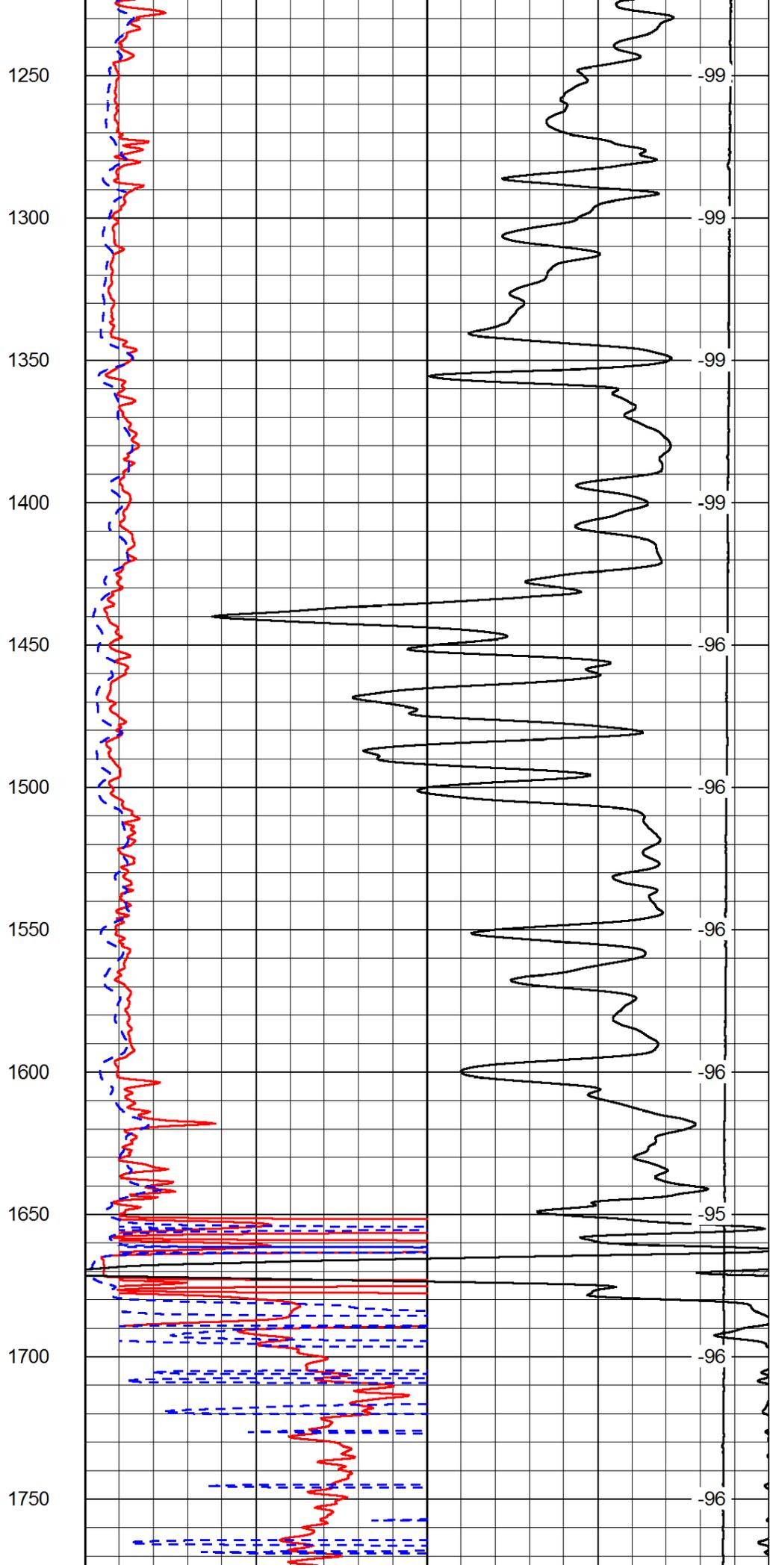
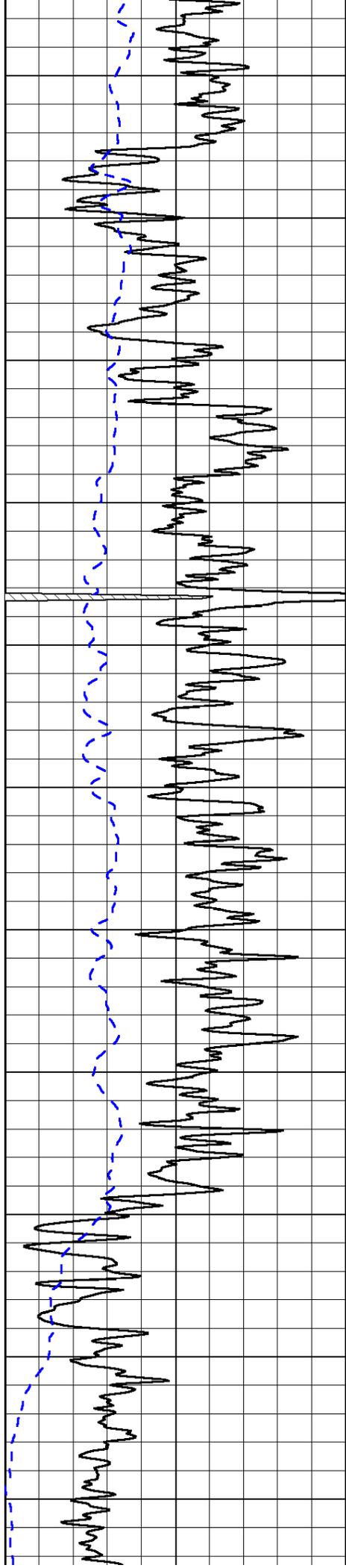
0 Gamma Ray 150
-200 SP (mV) 0

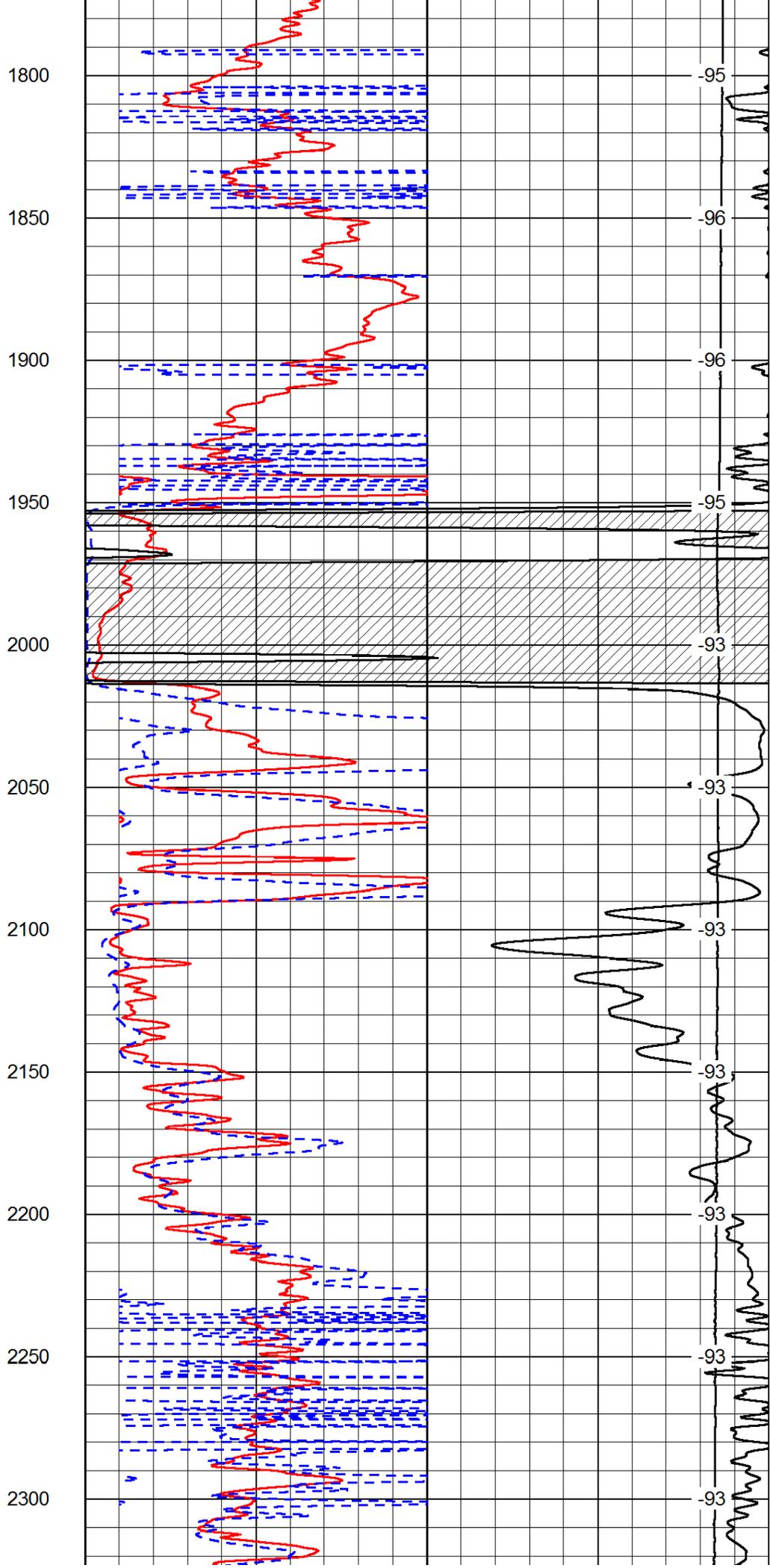
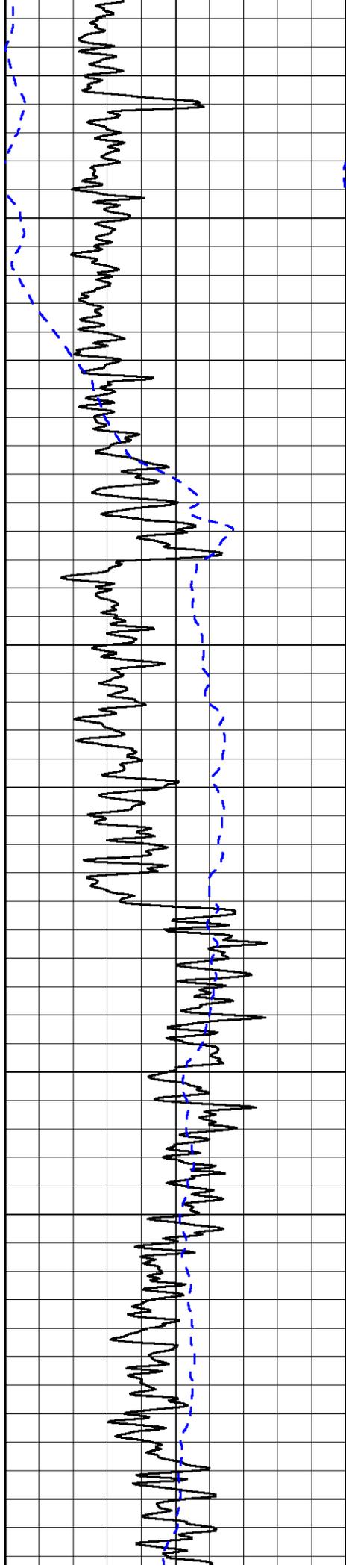
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500

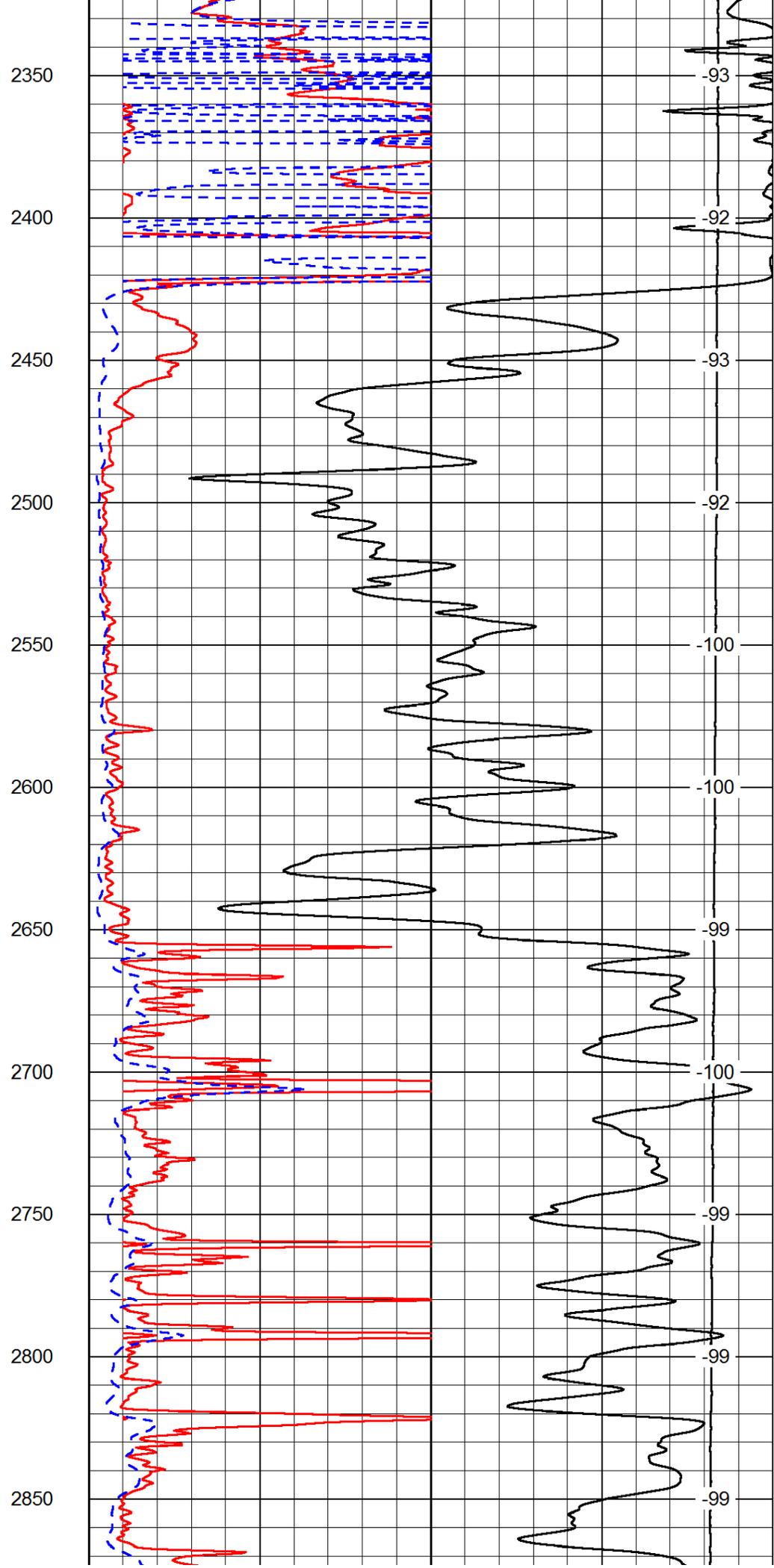
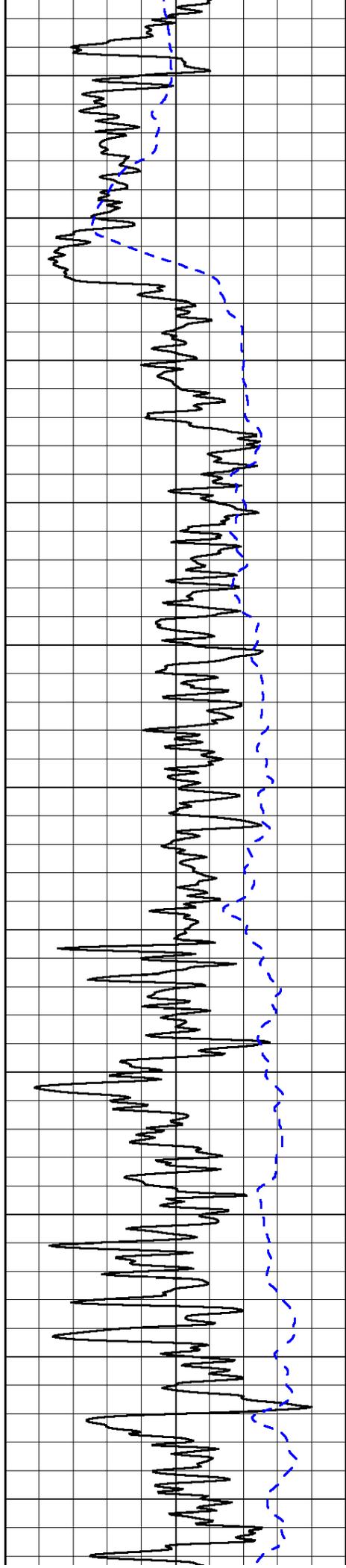
LSPD

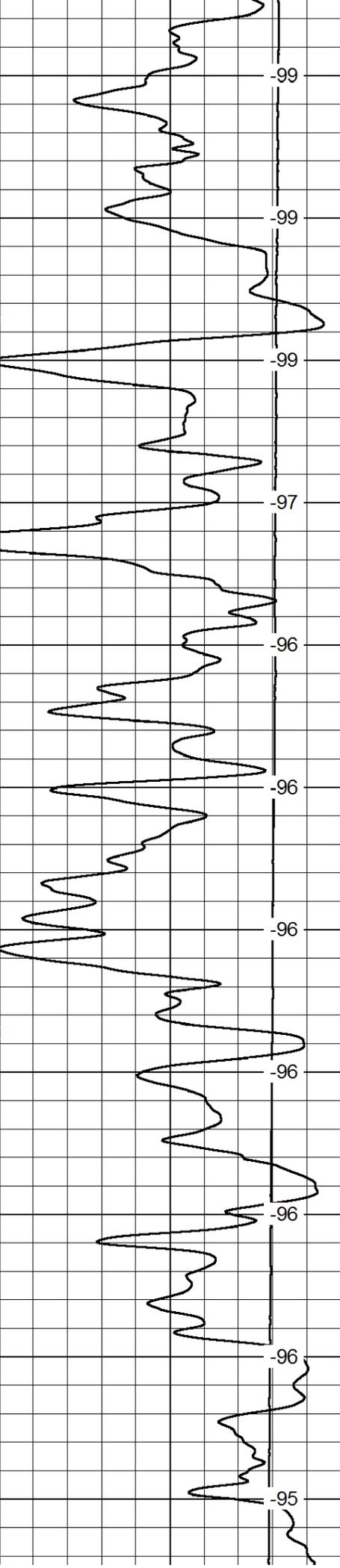
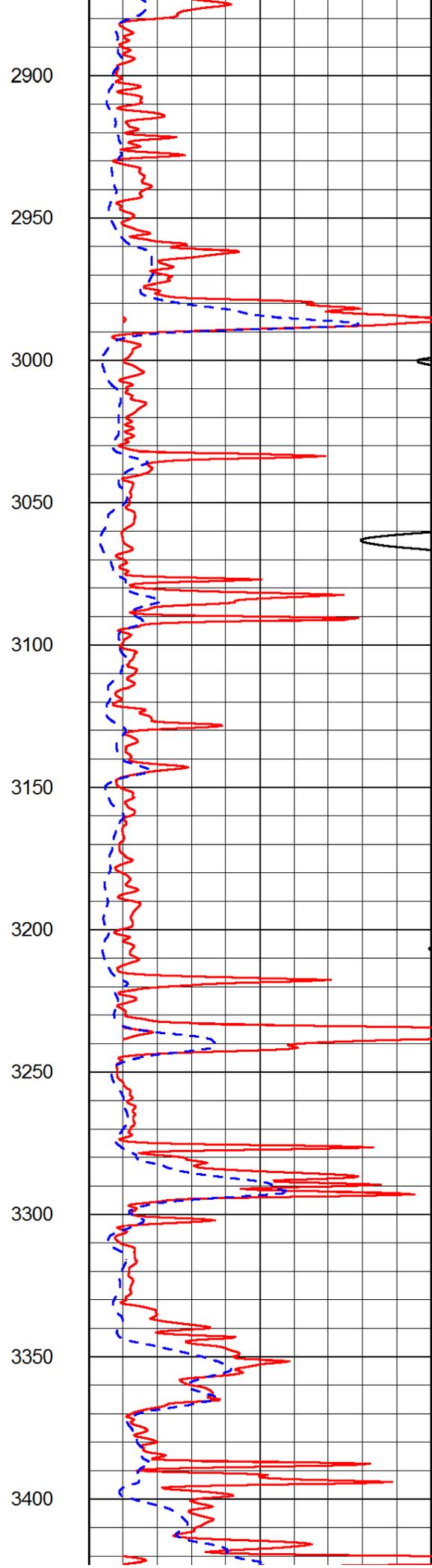
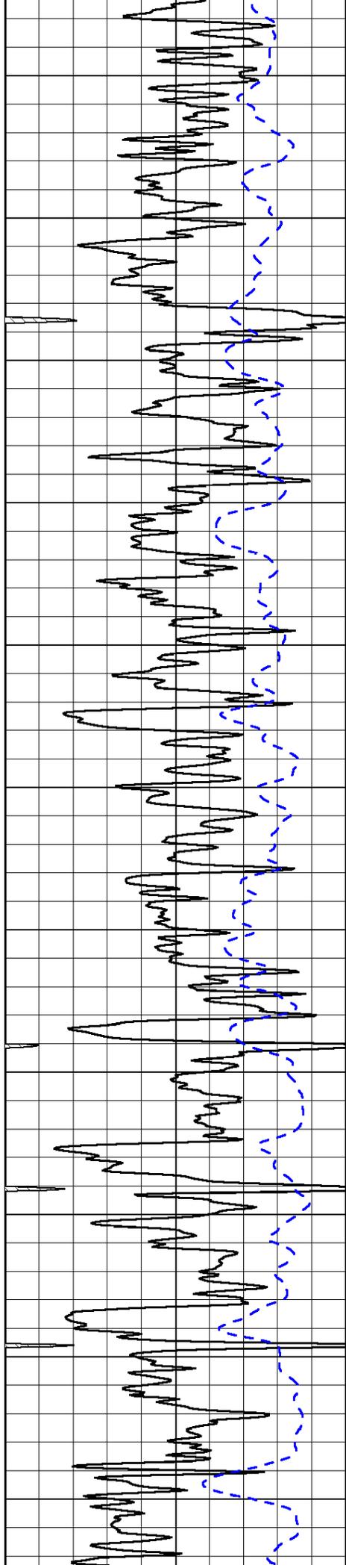


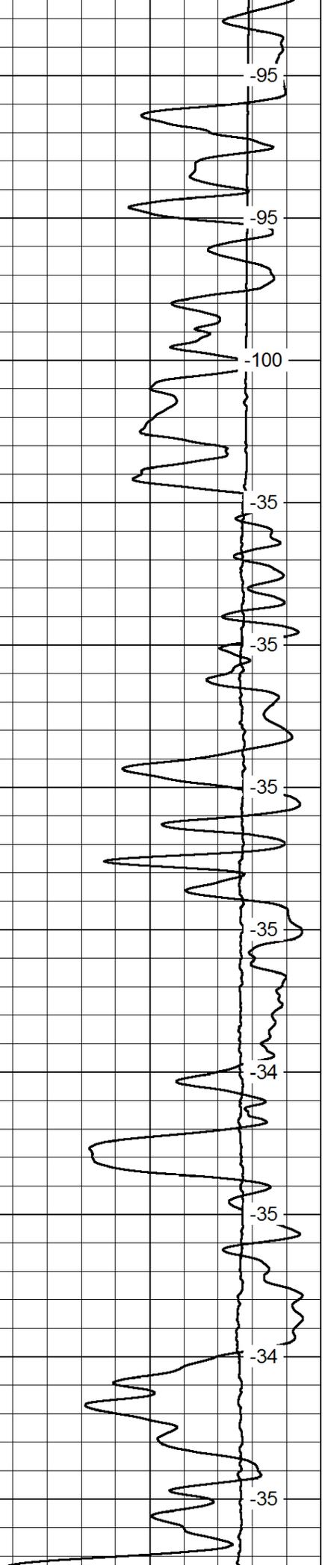
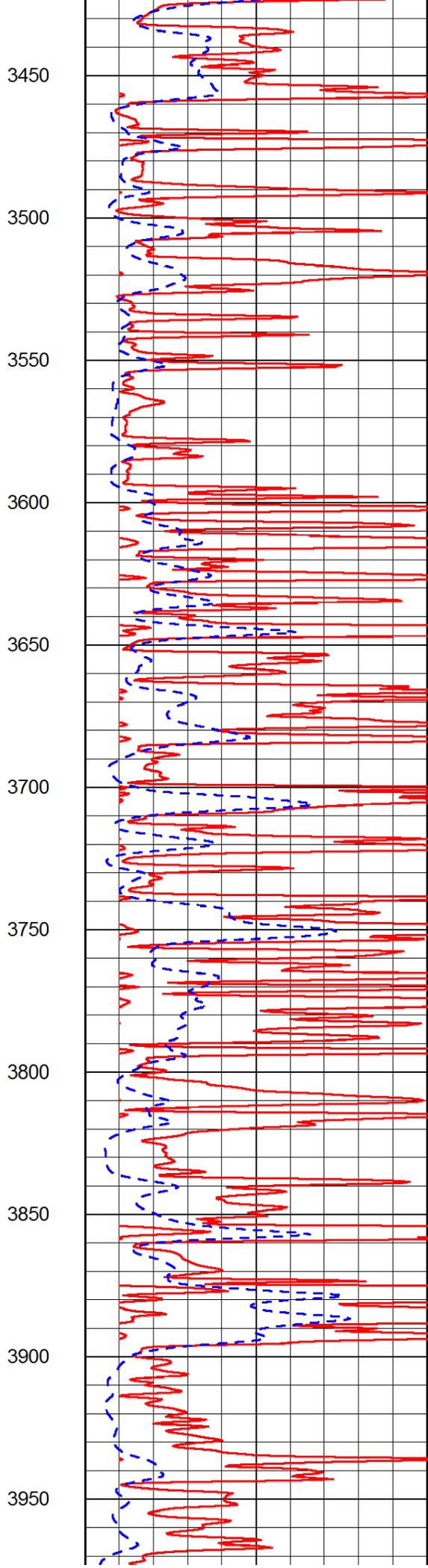
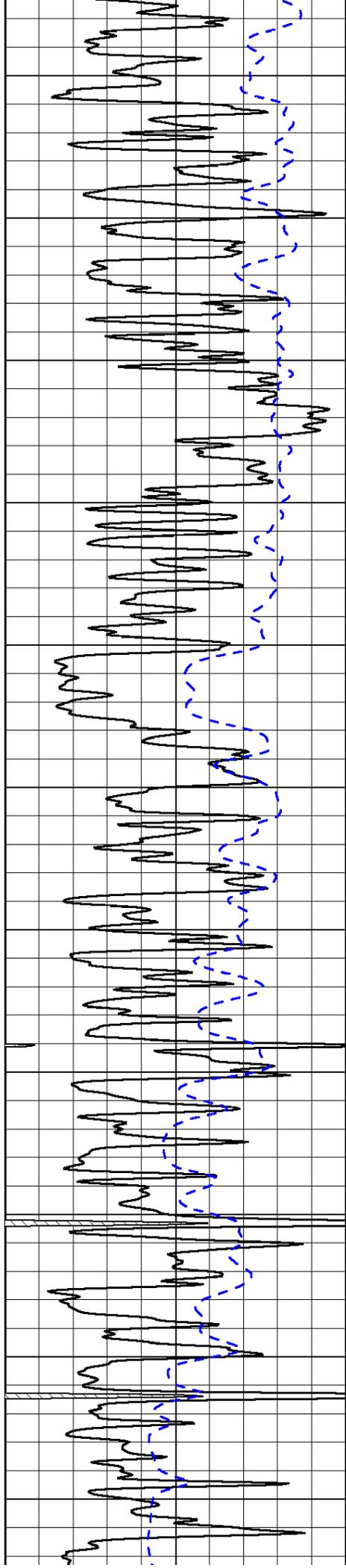


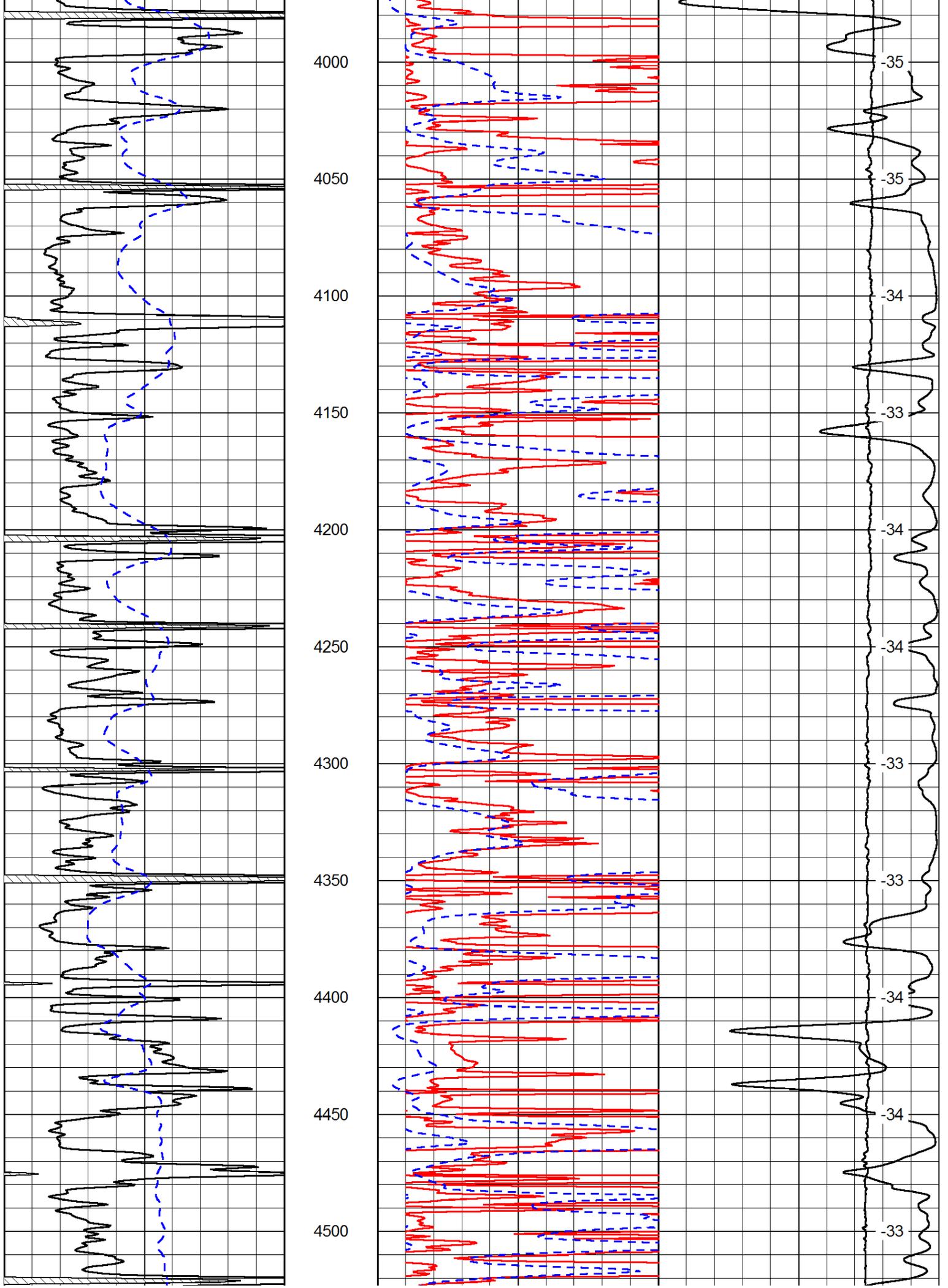


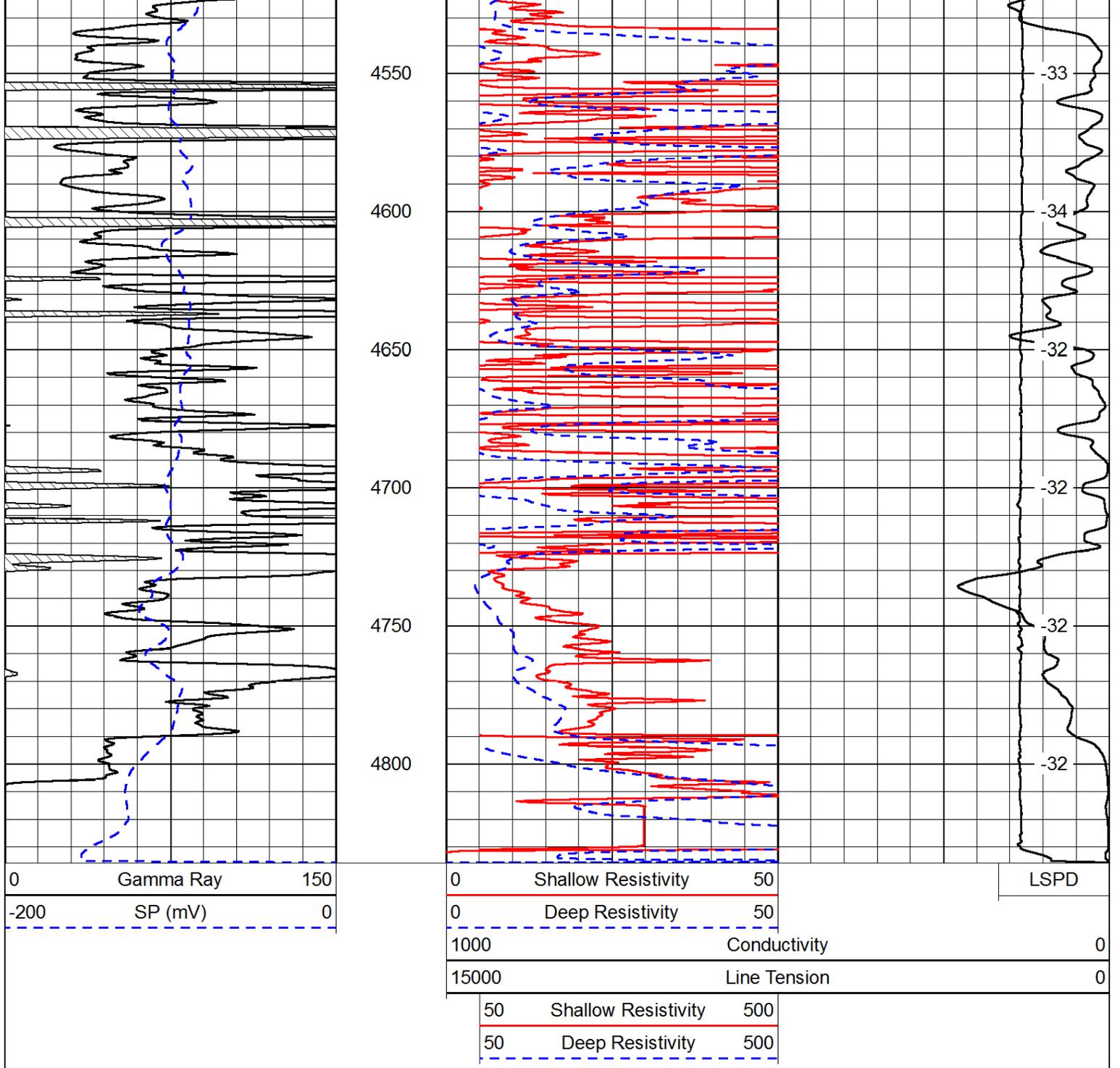




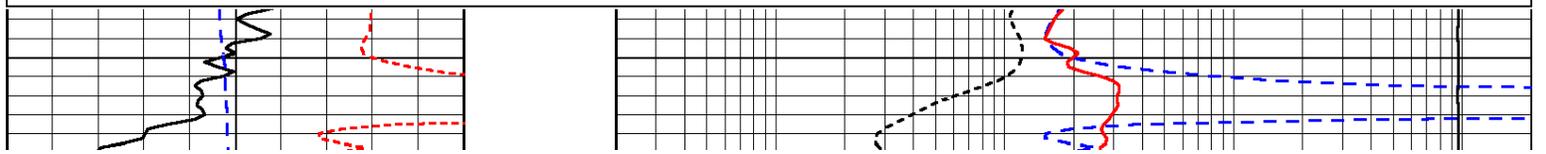
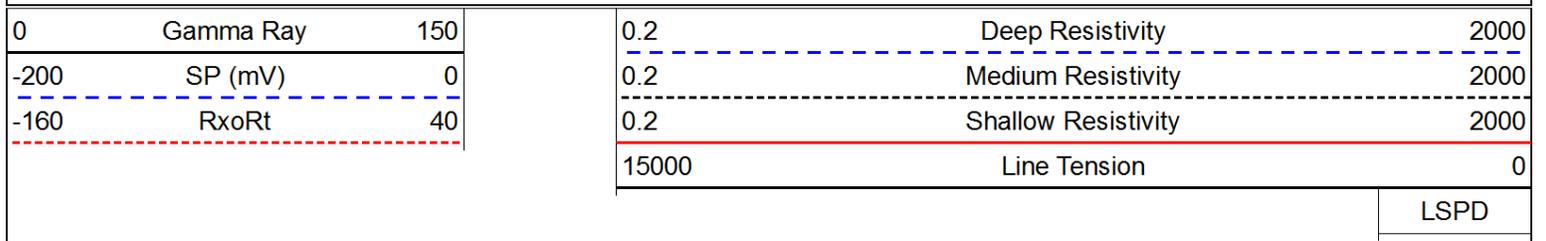


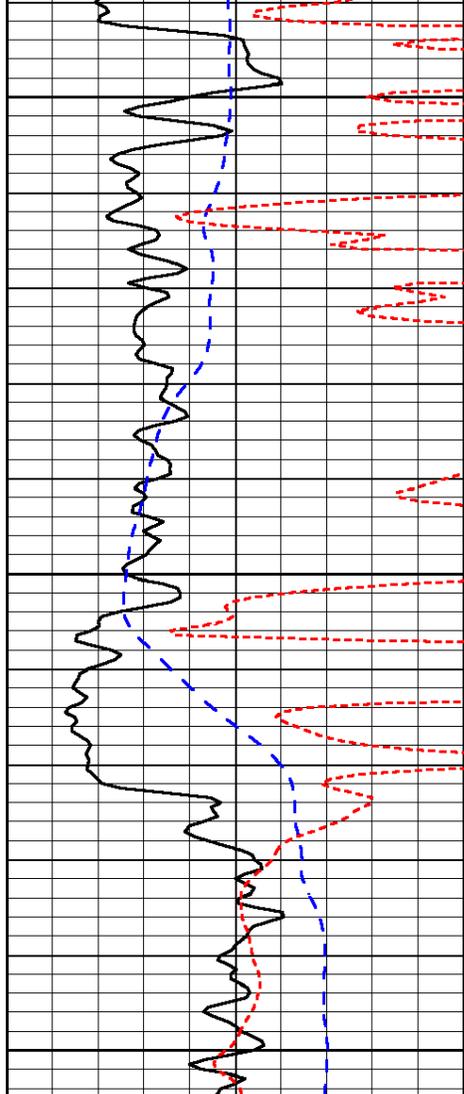






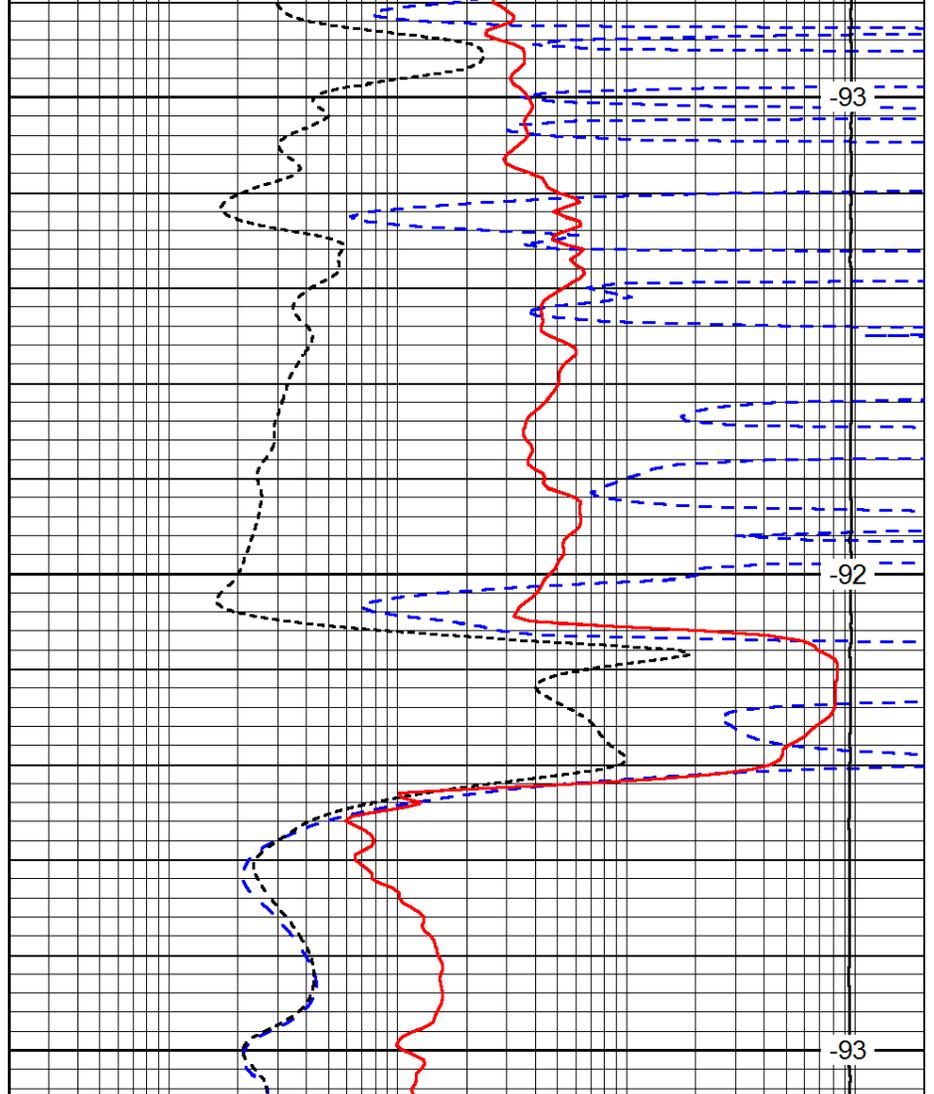
Database File: c:\warrior\data\val_4-h foundation #1-17\val_4-h foundation_1-17hd.db
 Dataset Pathname: dil\vastkml
 Presentation Format: dil
 Dataset Creation: Mon Dec 08 14:00:38 2014
 Charted by: Depth in Feet scaled 1:240





2350
2400
2450

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



93
92
93

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

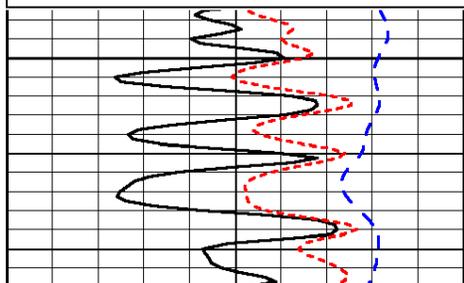
LSPD

Database File: c:\warrior\data\val_4-h foundation #1-17\val_4-h foundation_1-17hd.db
 Dataset Pathname: dil\vastkml
 Presentation Format: dil
 Dataset Creation: Mon Dec 08 14:00:38 2014
 Charted by: Depth in Feet scaled 1:240

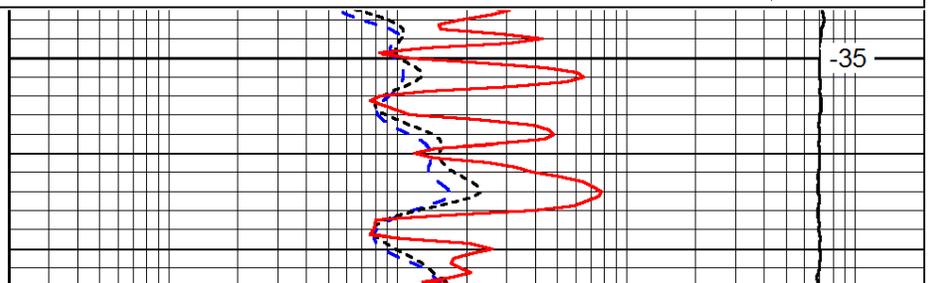
0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

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

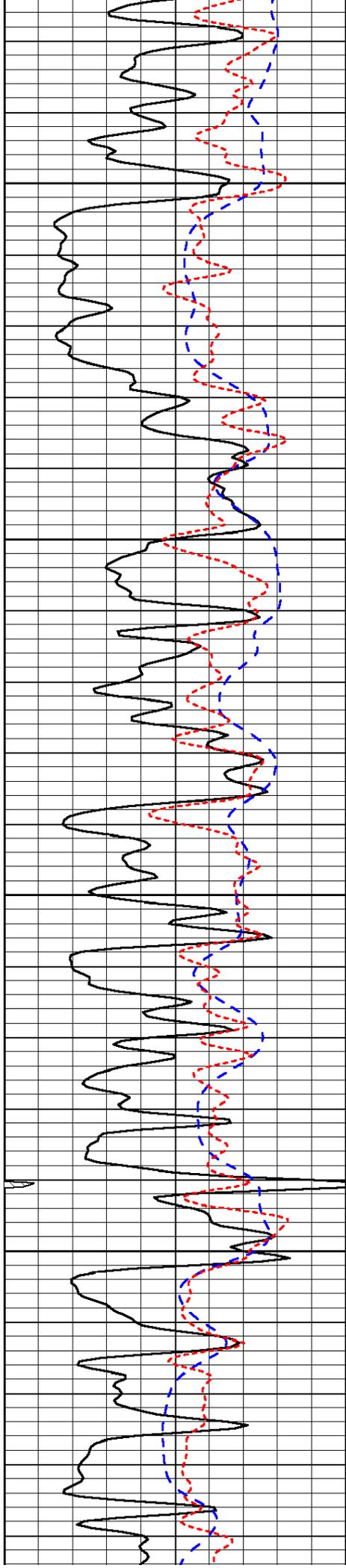
LSPD



3600



35

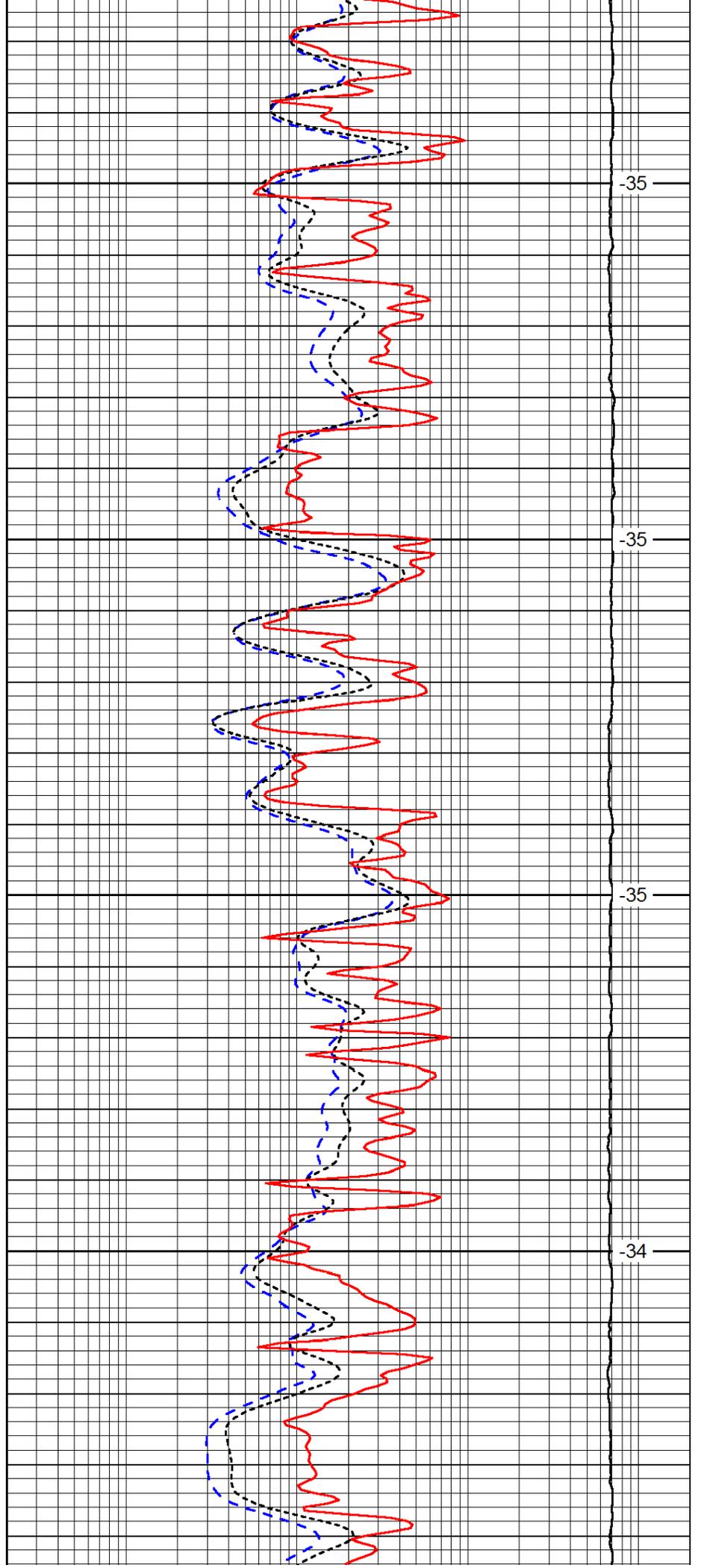


3650

3700

3750

3800

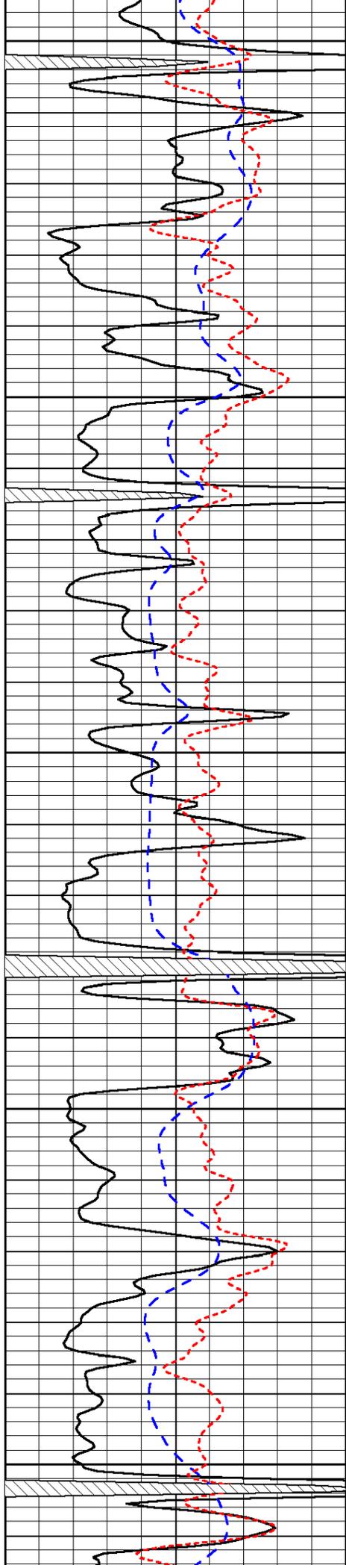


-35

-35

-35

-34



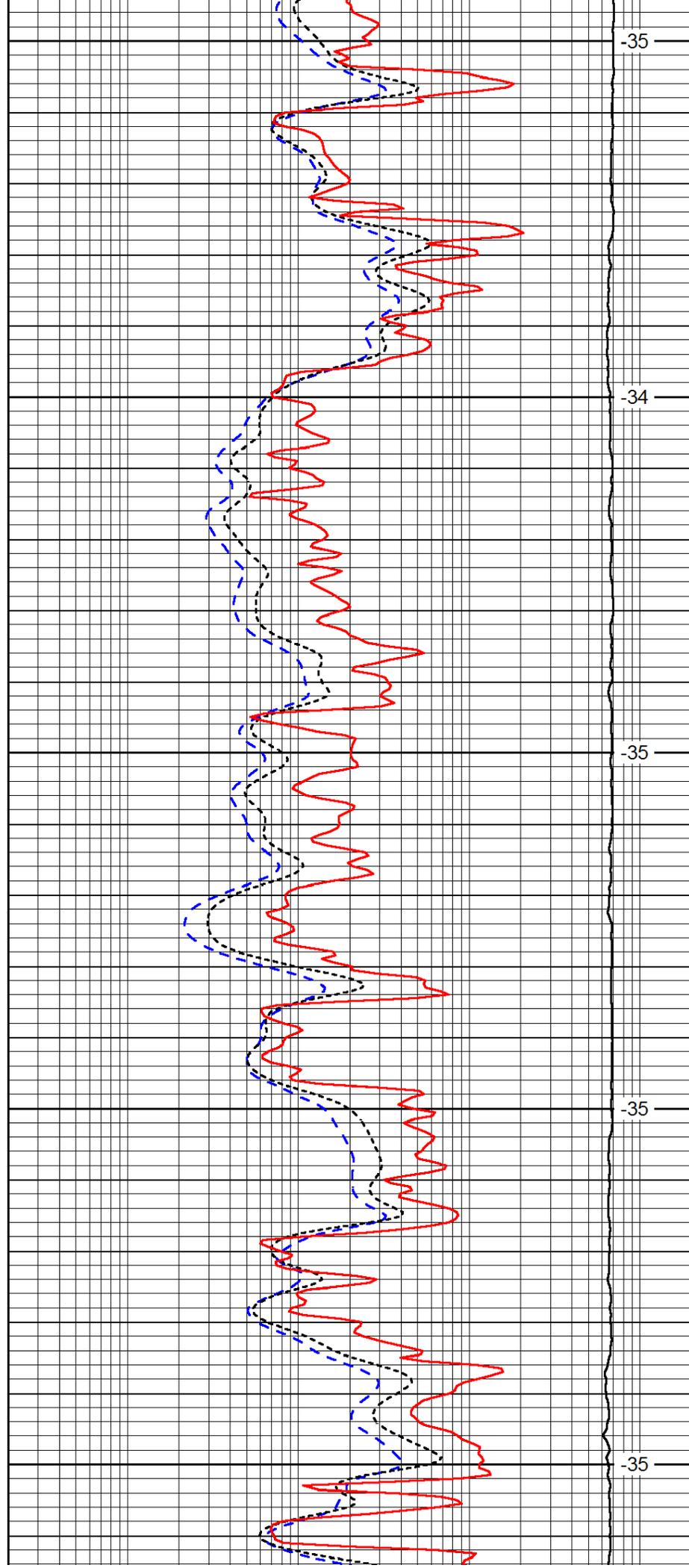
3850

3900

3950

4000

4050



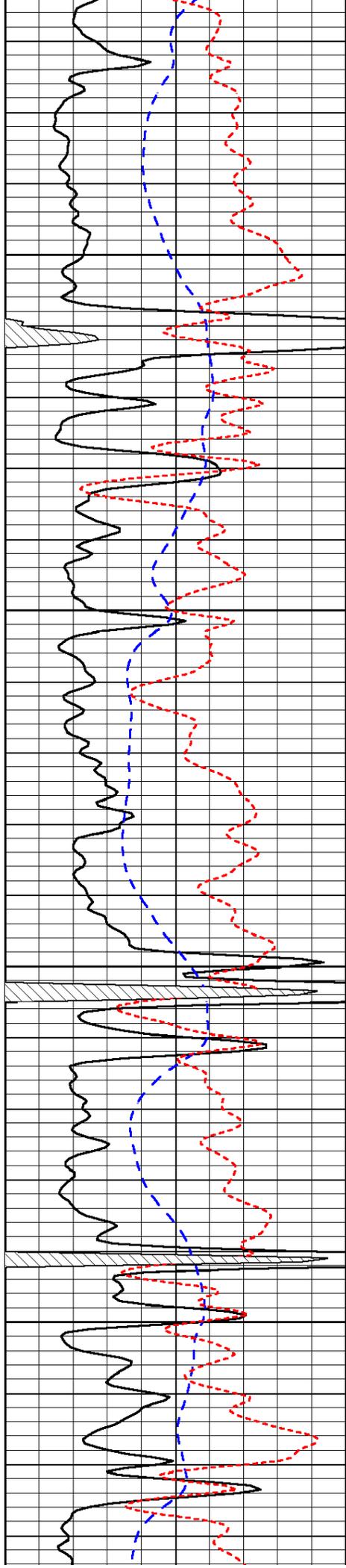
-35

-34

-35

-35

-35

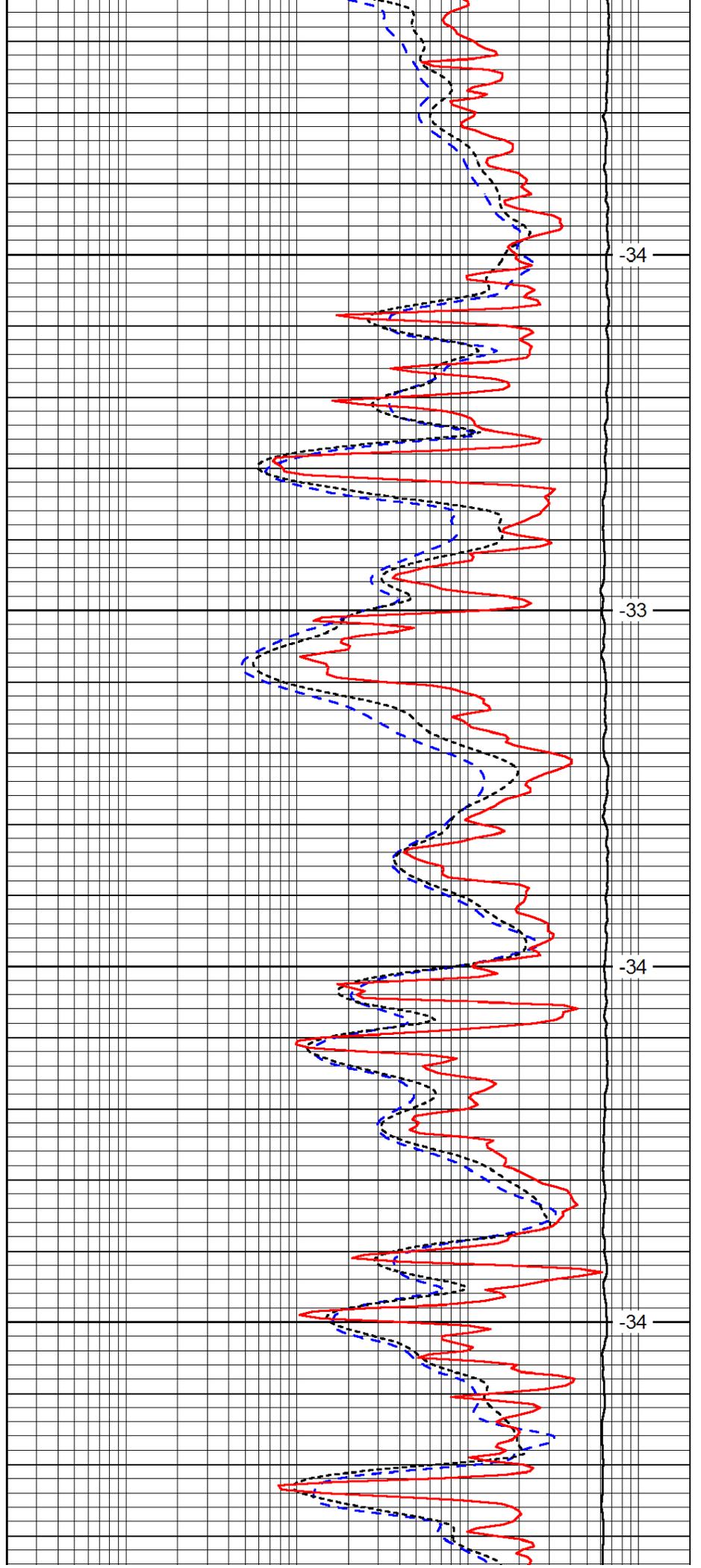


4100

4150

4200

4250

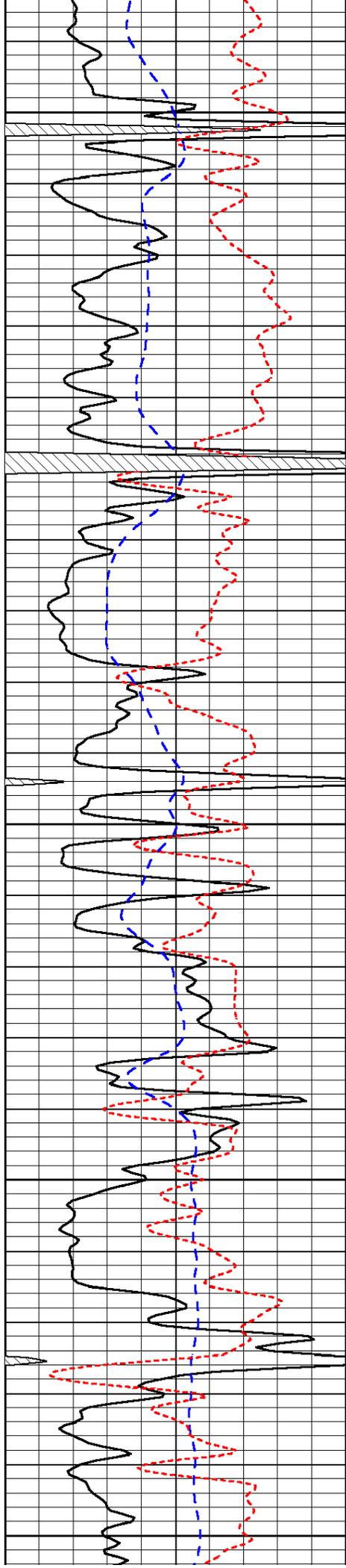


-34

-33

-34

-34



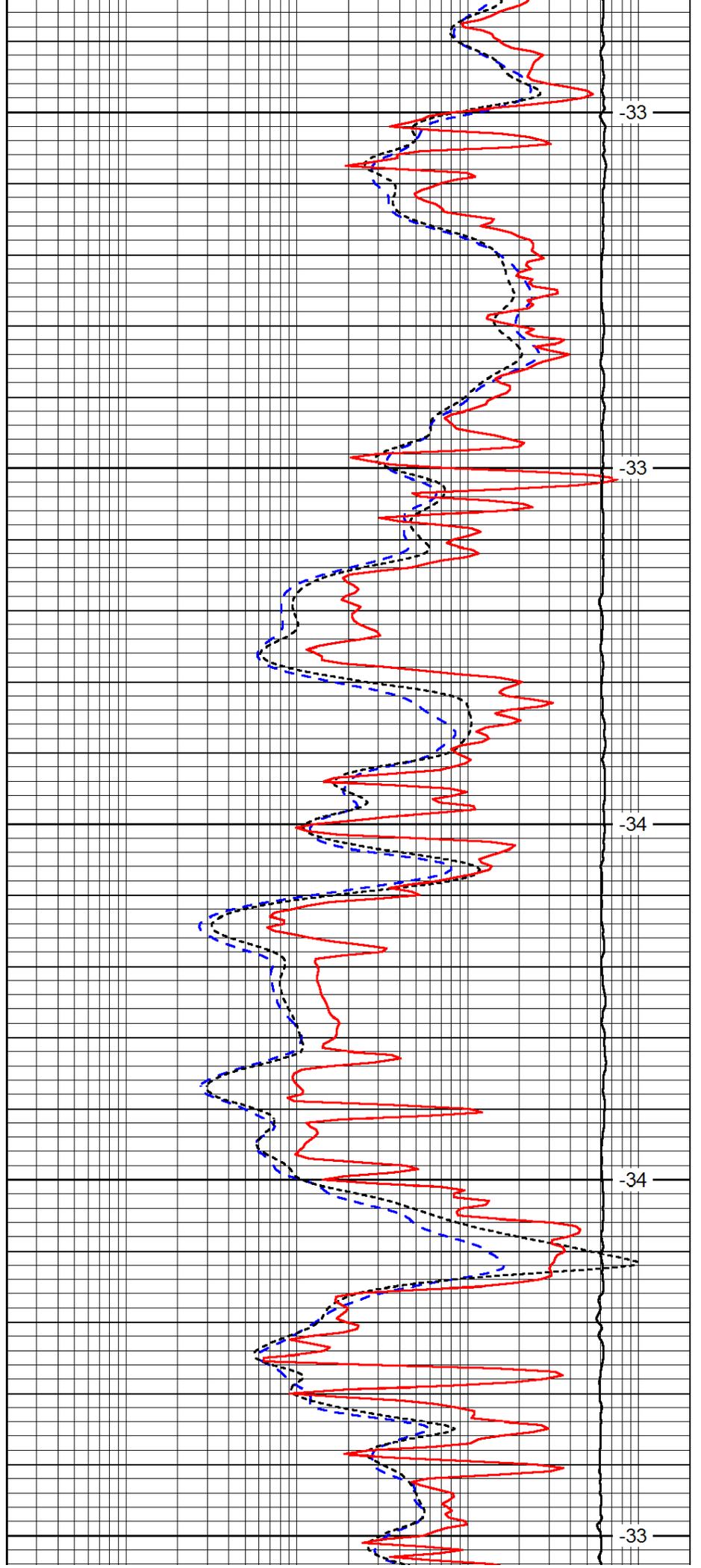
4300

4350

4400

4450

4500



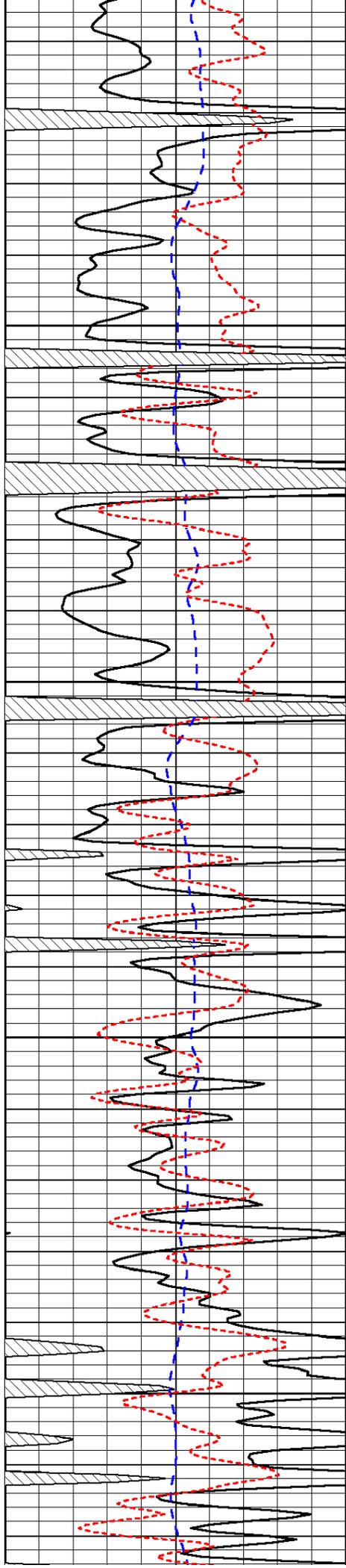
-33

-33

-34

-34

-33

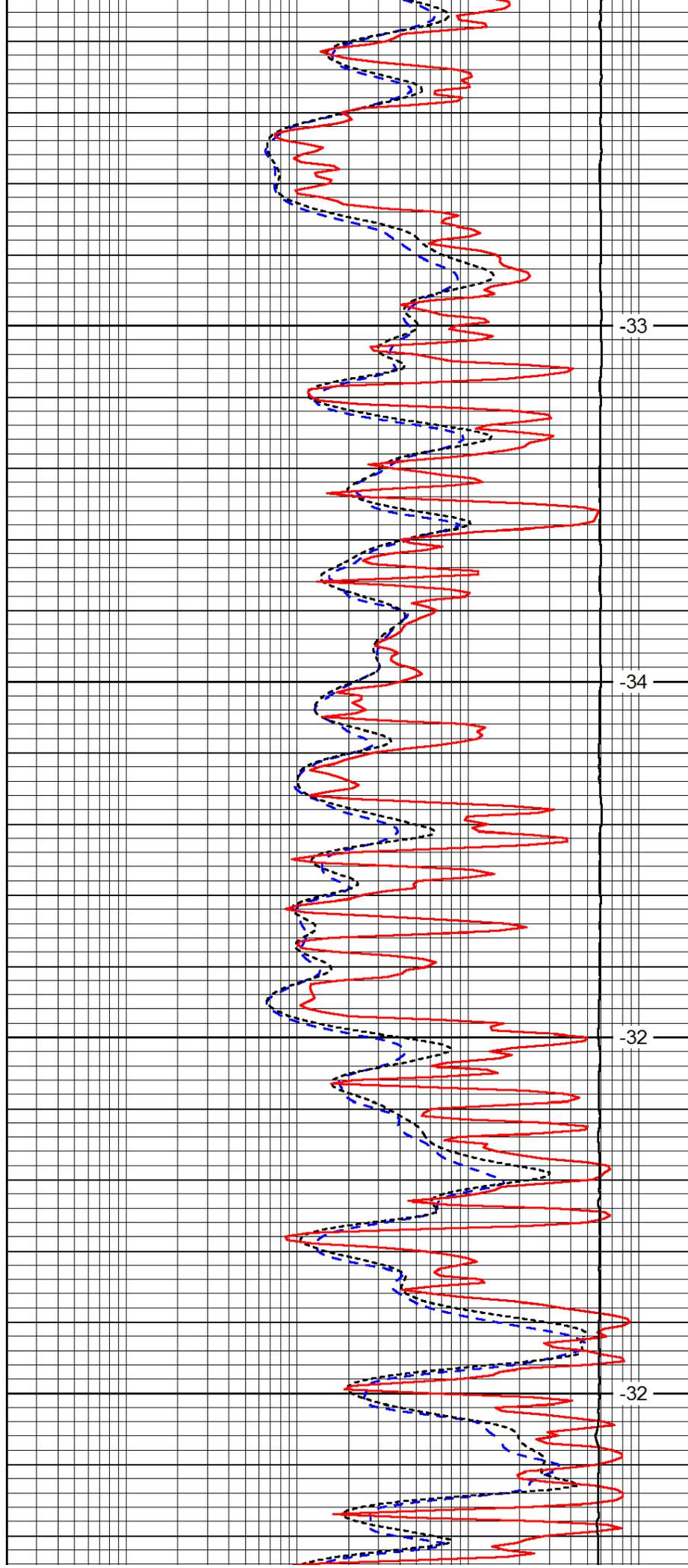


4550

4600

4650

4700

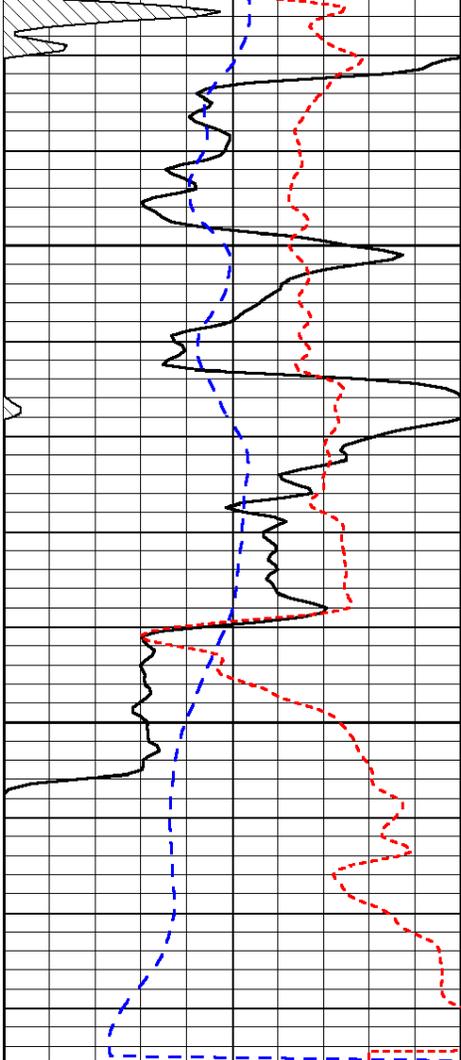


-33

-34

-32

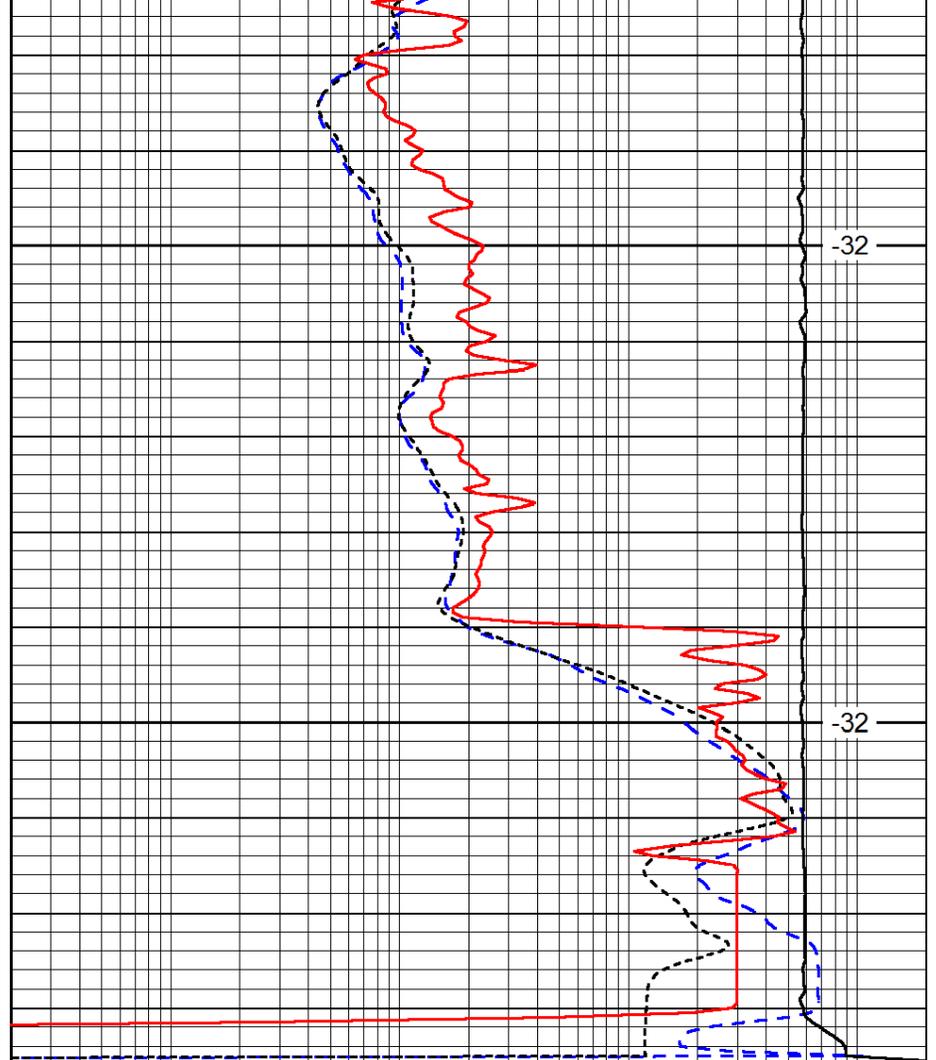
-32



4750

4800

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



-32

-32

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

LSPD