



Dual Induction Log

Pioneer Energy Services

API No.	Company Blake Exploration, LLC		
	Well Audrey # 2		
	Field Smoky Valley East		
	County Logan	State	Kansas
	Location	875' FSL & 1,750' FWL	
	Sec: 31	Twp: 13S	Rge: 32W
Permanent Datum	Ground Level	Elevation 2906	
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	Elevation K.B. 2916 D.F. 2906 G.L. 2906	
Date	6/15/2014		
Run Number	One		
Depth Driller	4585		
Depth Logger	4586		
Bottom Logged Interval	4585		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	219		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	13400		
Density / Viscosity	9.3 56		
pH / Fluid Loss	10.0 11.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.33 @ 80		
Rmf @ Meas. Temp	.25 @ 80		
Rmc @ Meas. Temp	.45 @ 80		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.22 @ 122		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	122		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Mike Davignon		

<<< 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.

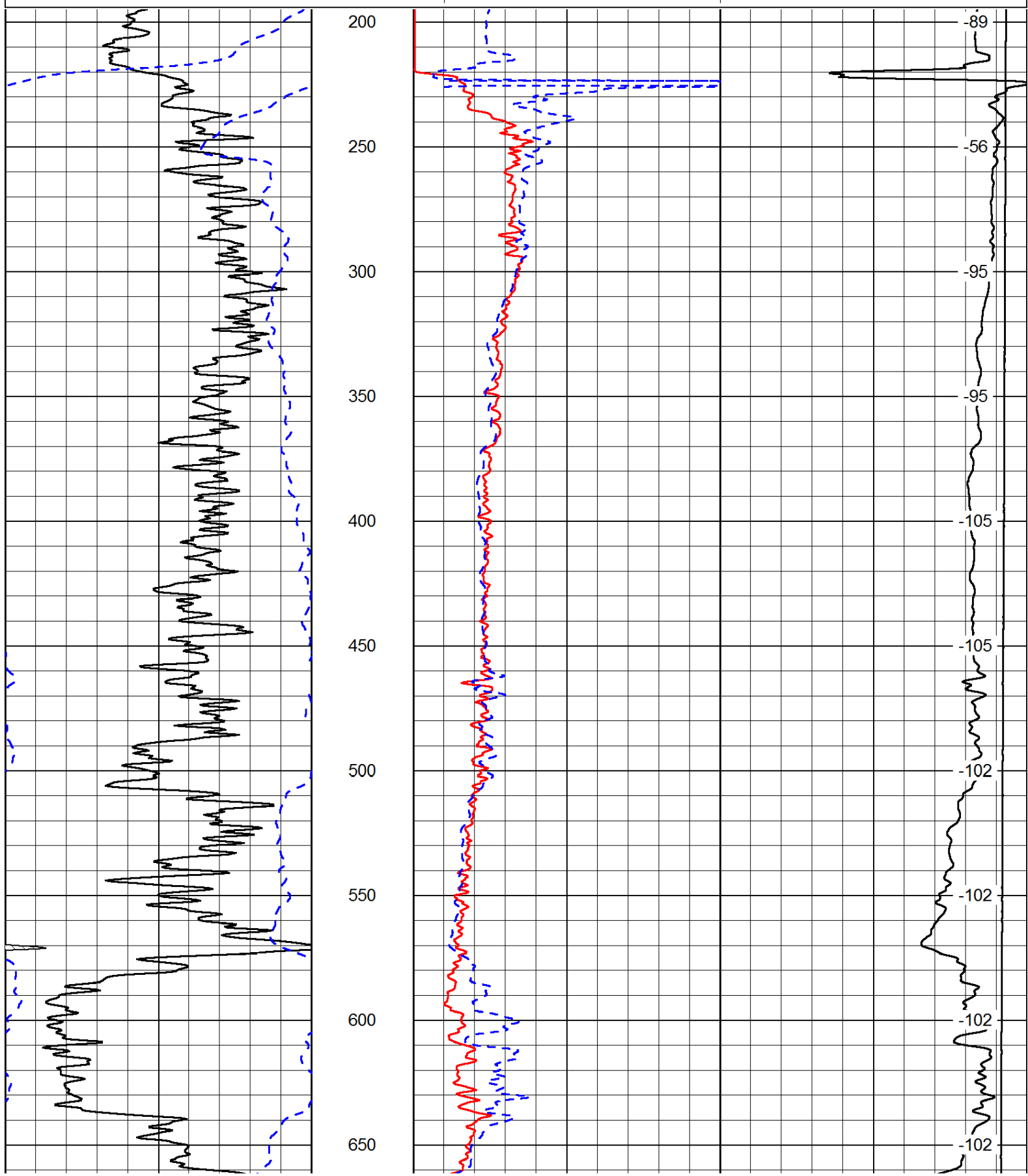
Comments

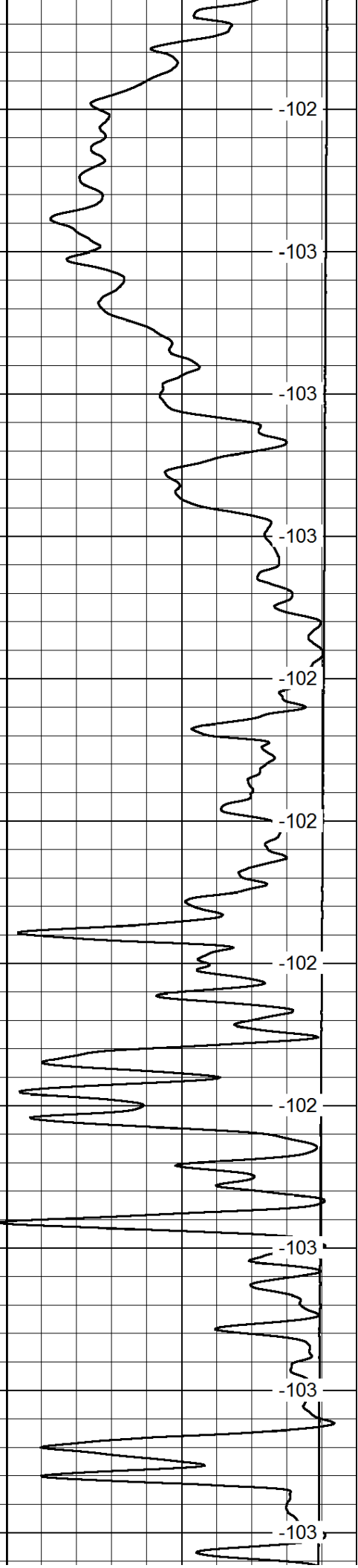
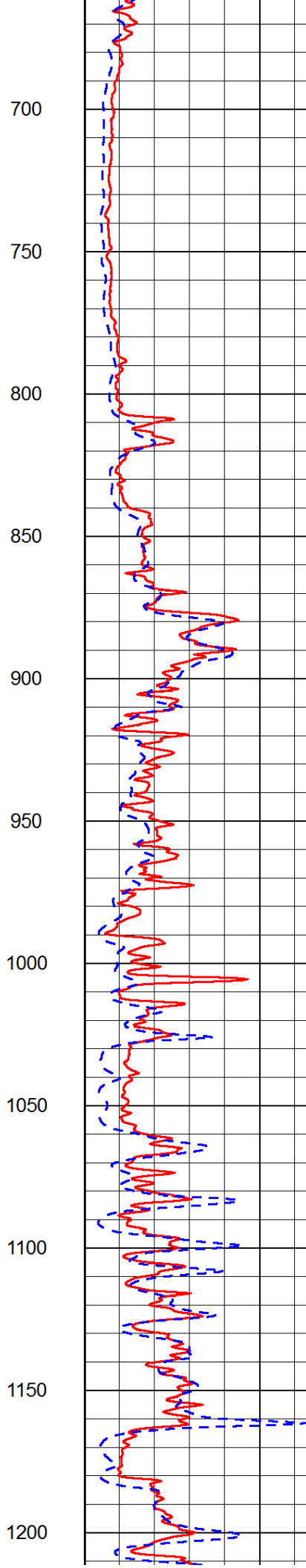
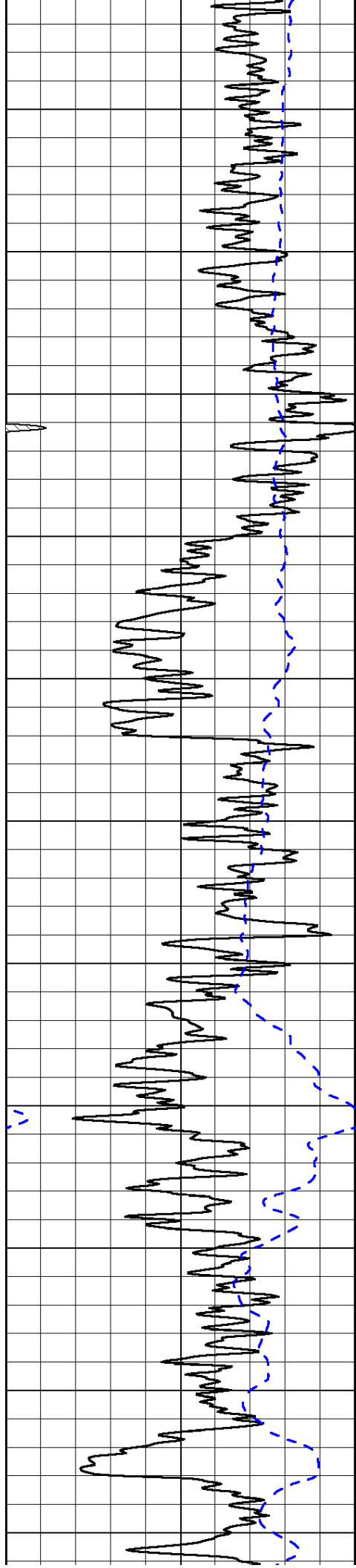
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

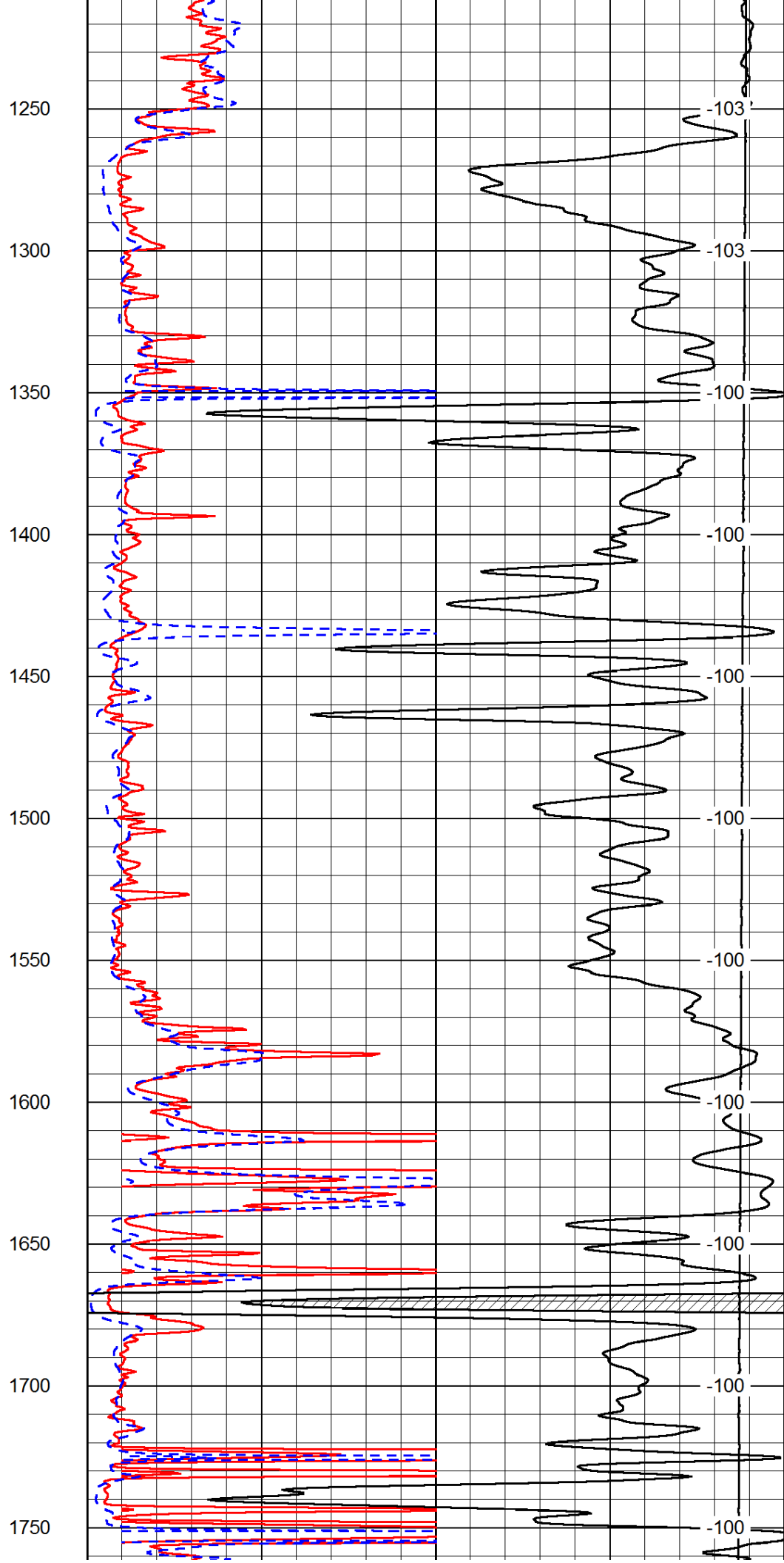
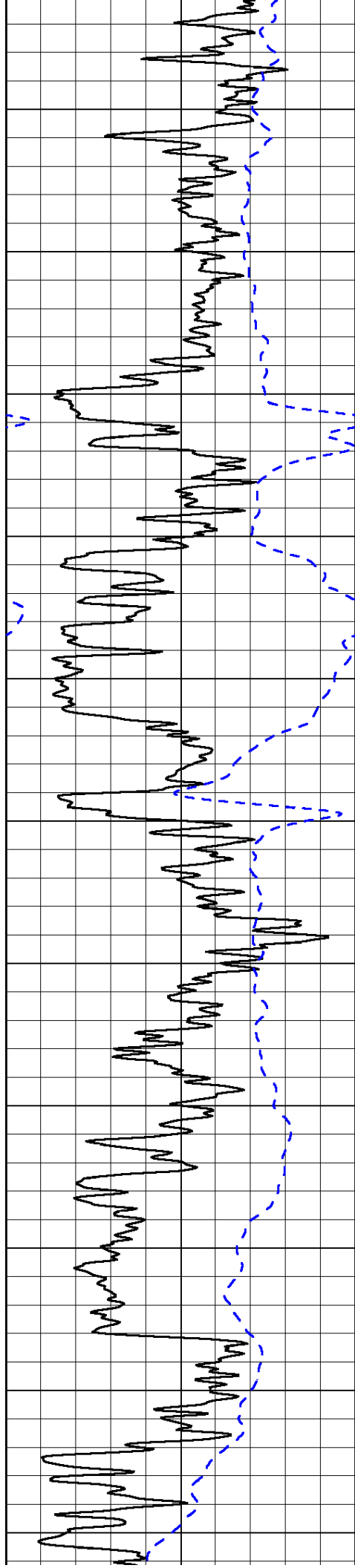
Oakley, 17 South to Mustang Road, 3 1/2 West, North Into

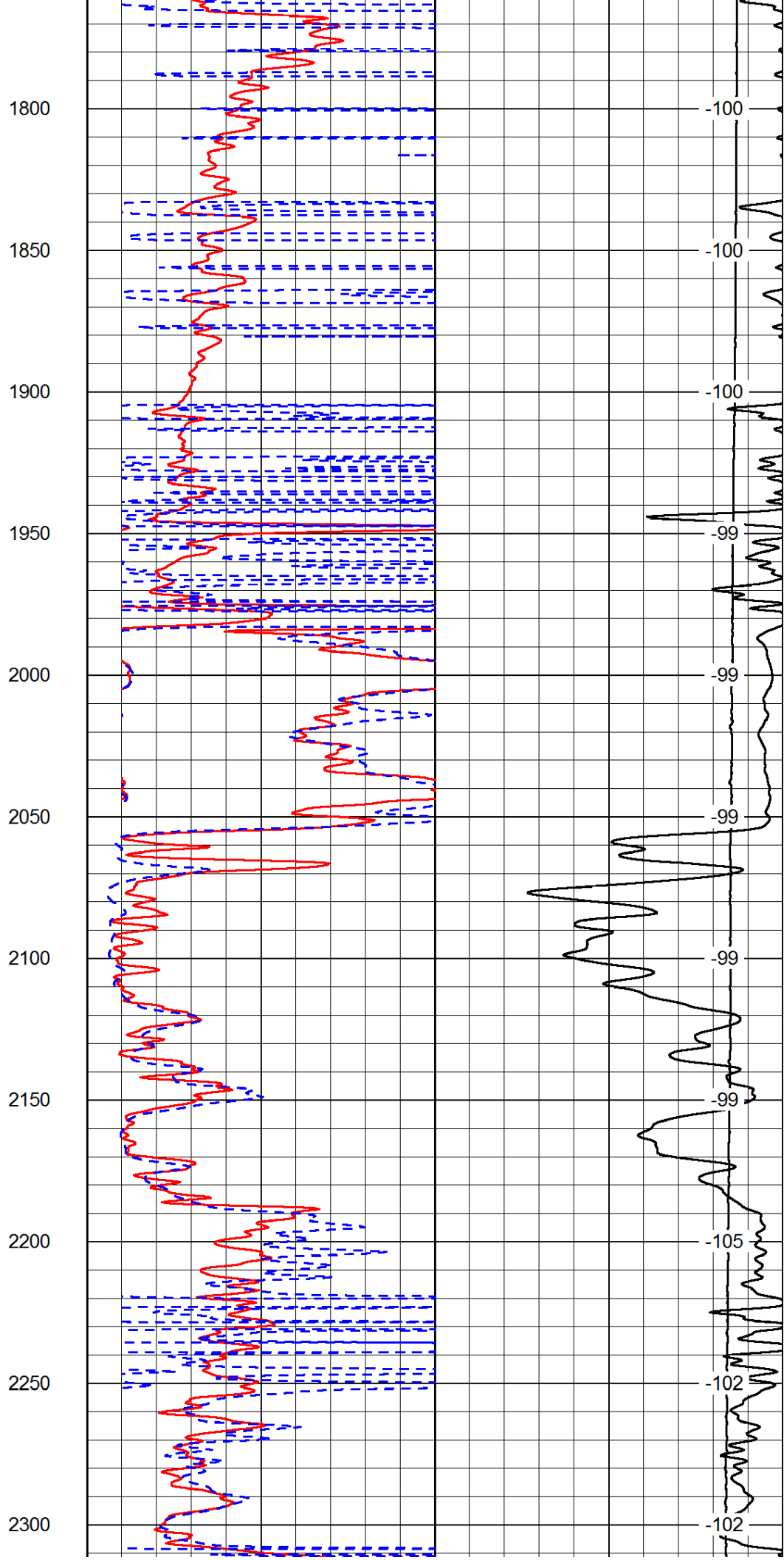
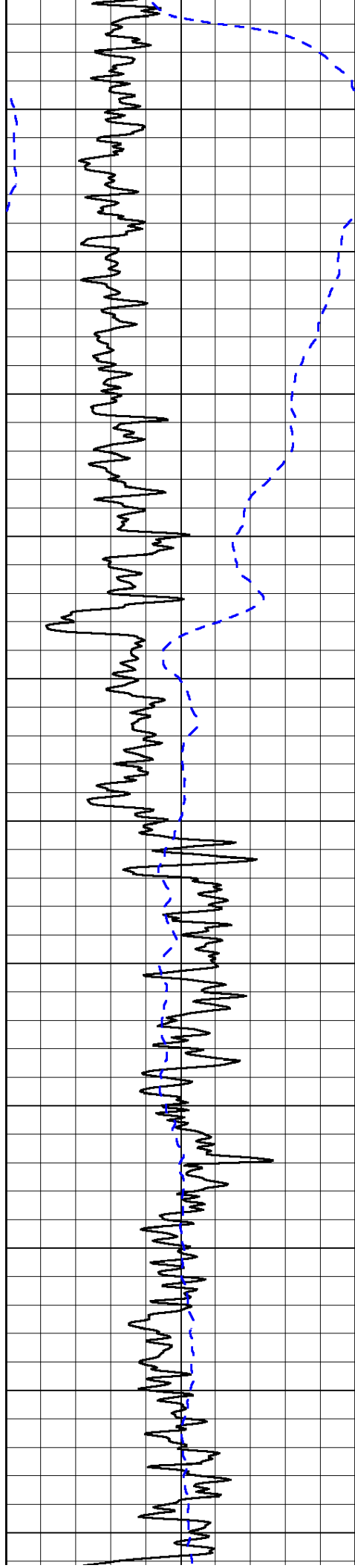
Database File: c:\warrior\data\blake exploration_audrey # 2\blakeexploration_audrey_2hd.db
Dataset Pathname: dil\blakstck
Presentation Format: dil2in
Dataset Creation: Sun Jun 15 19:50:20 2014
Charted by: Depth in Feet scaled 1:600

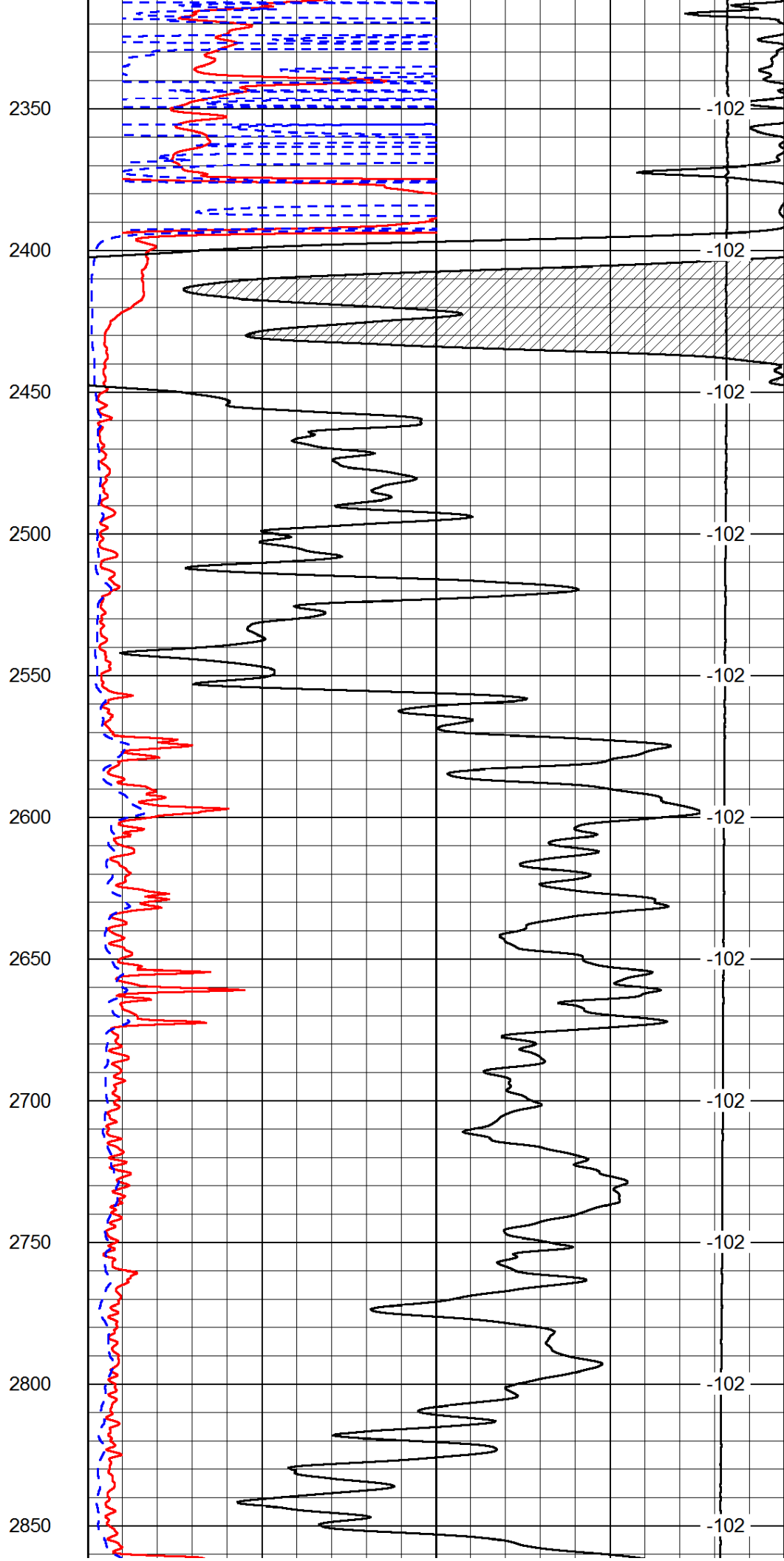
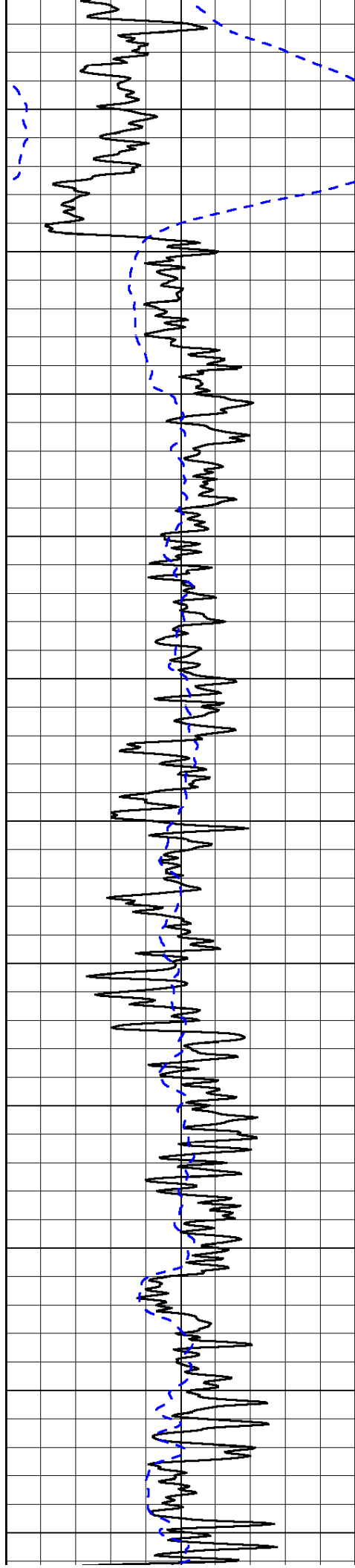
LSPD
0
0

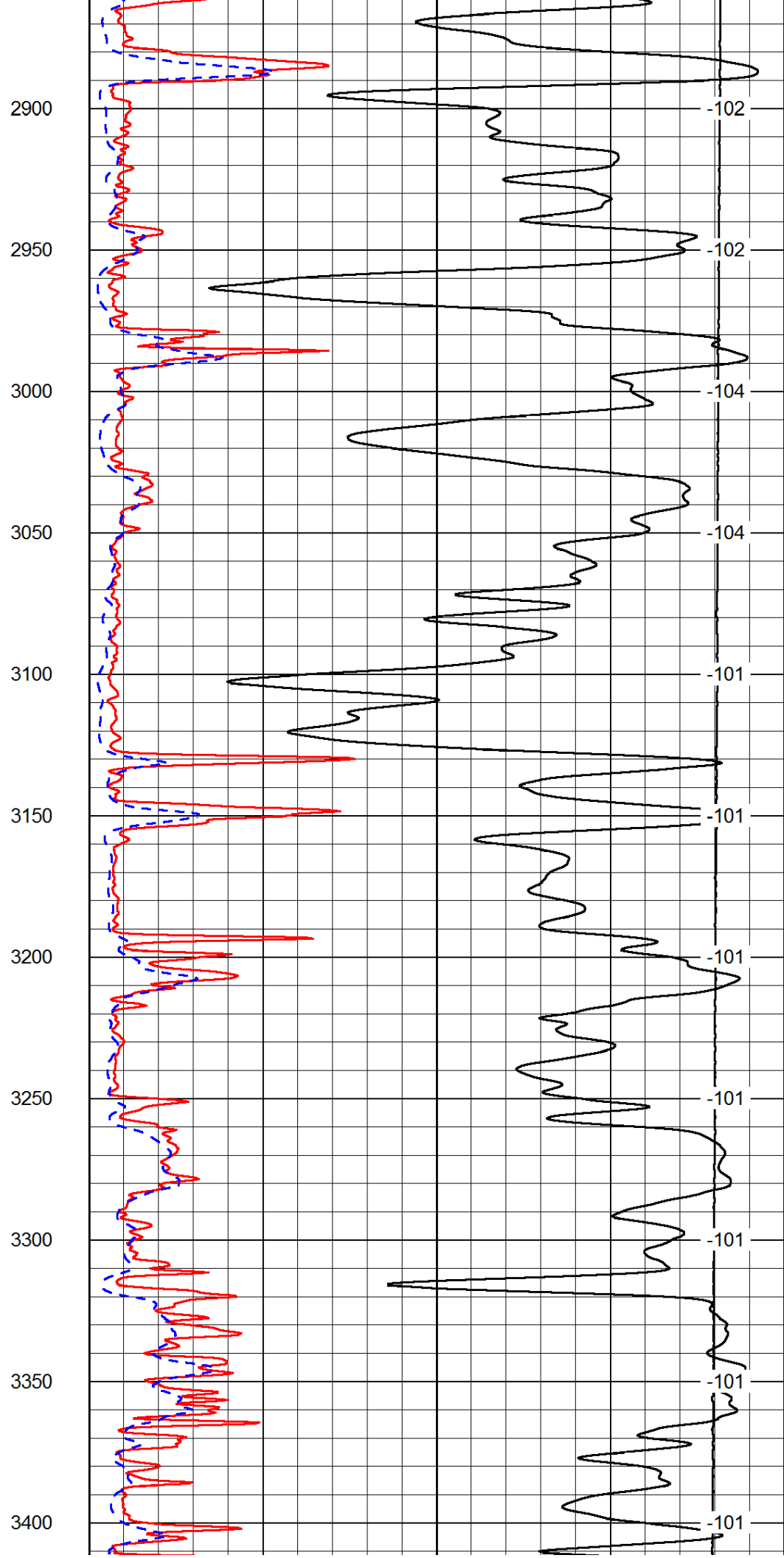
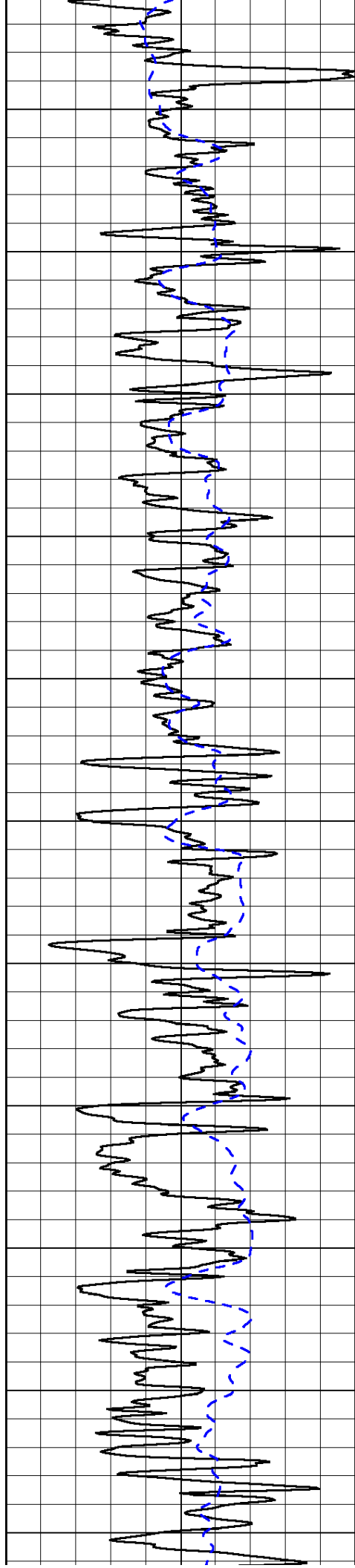


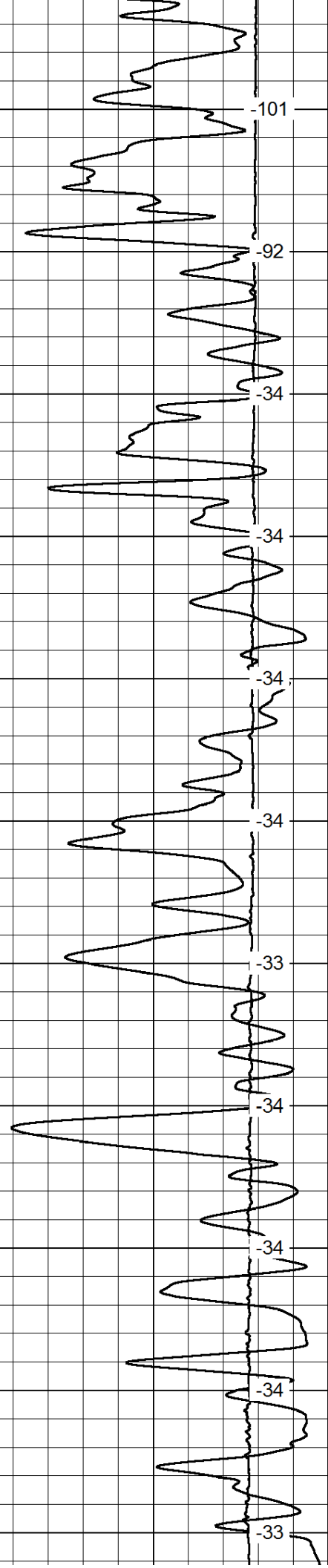
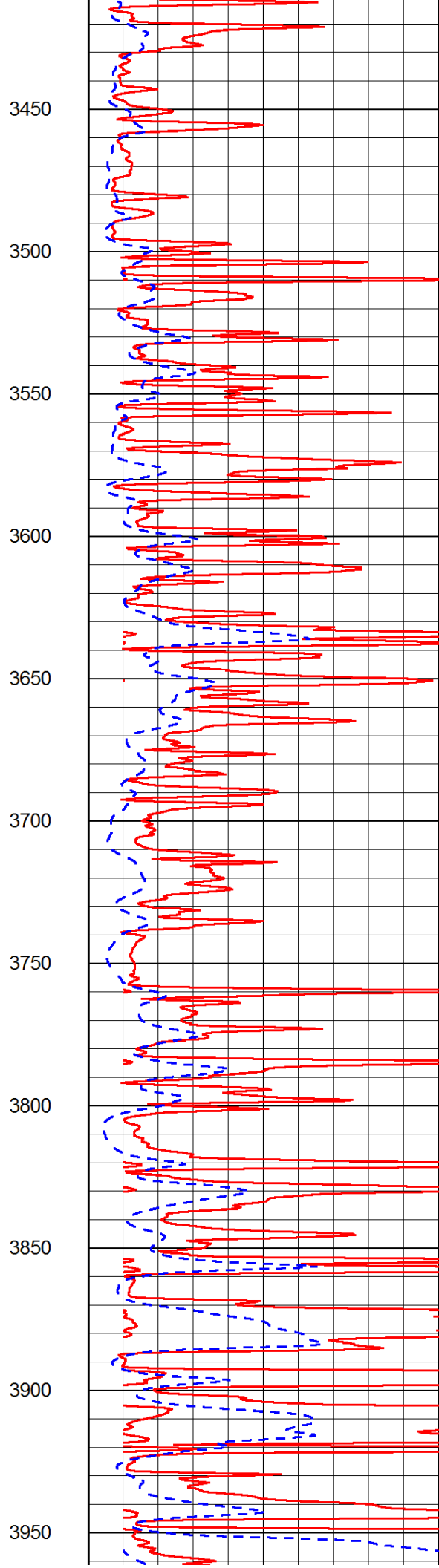
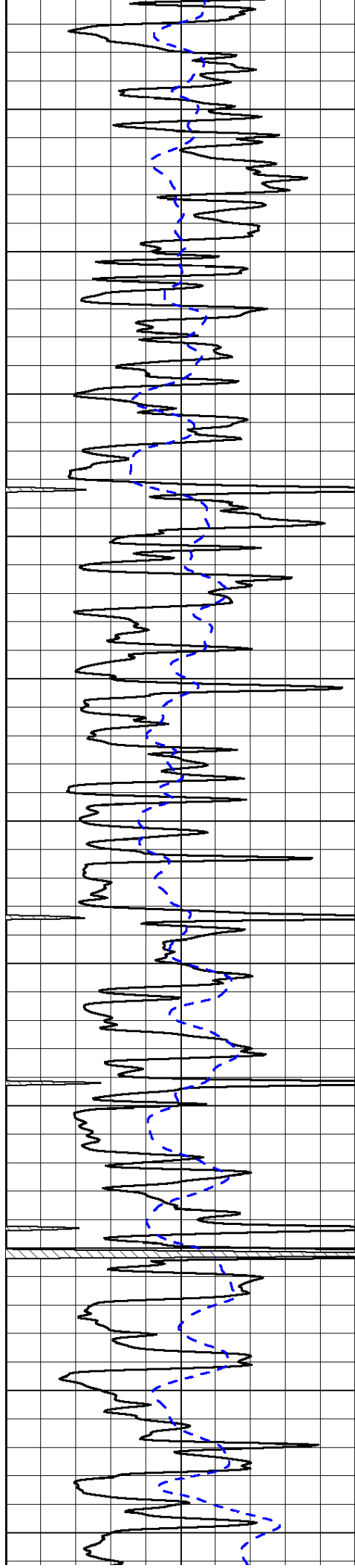


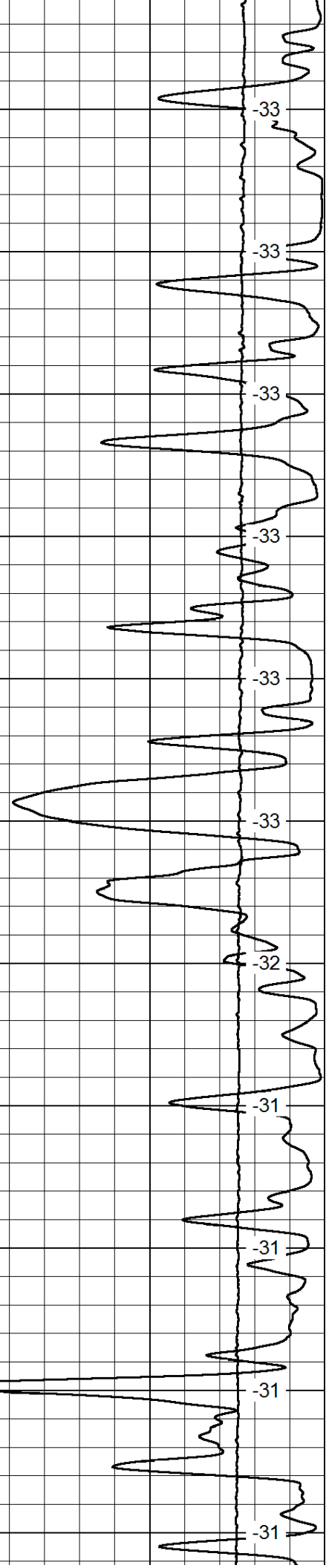
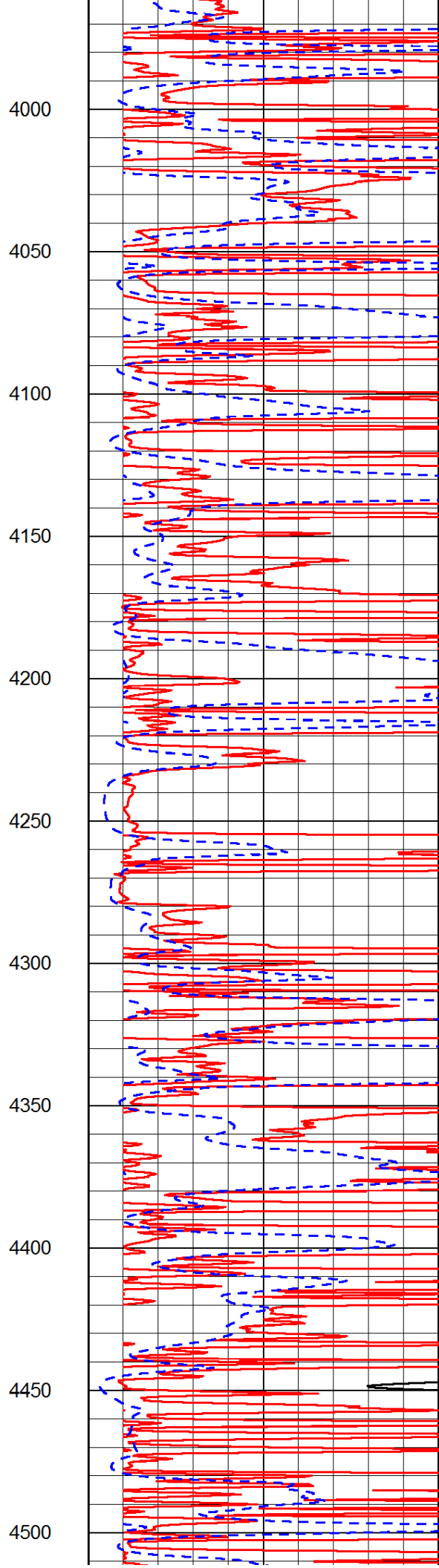
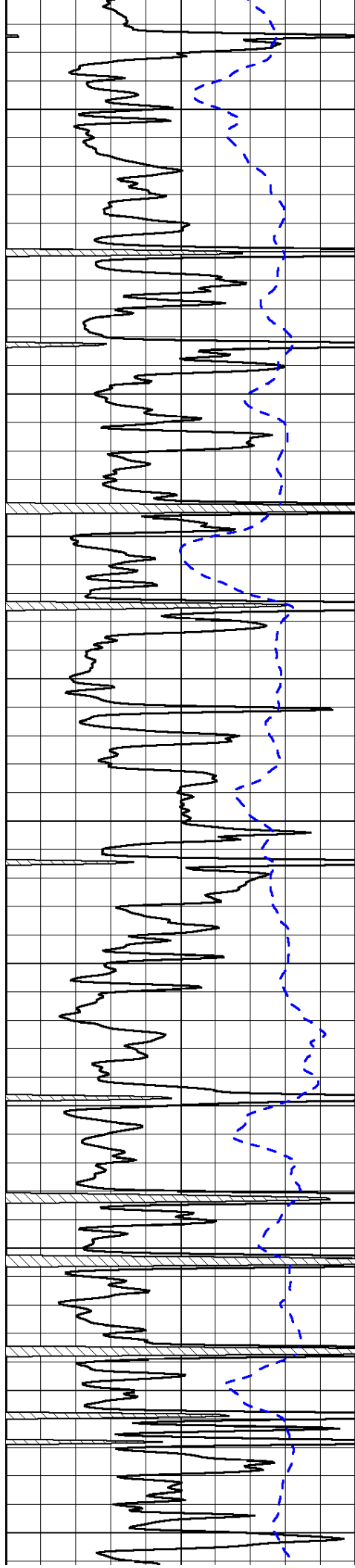


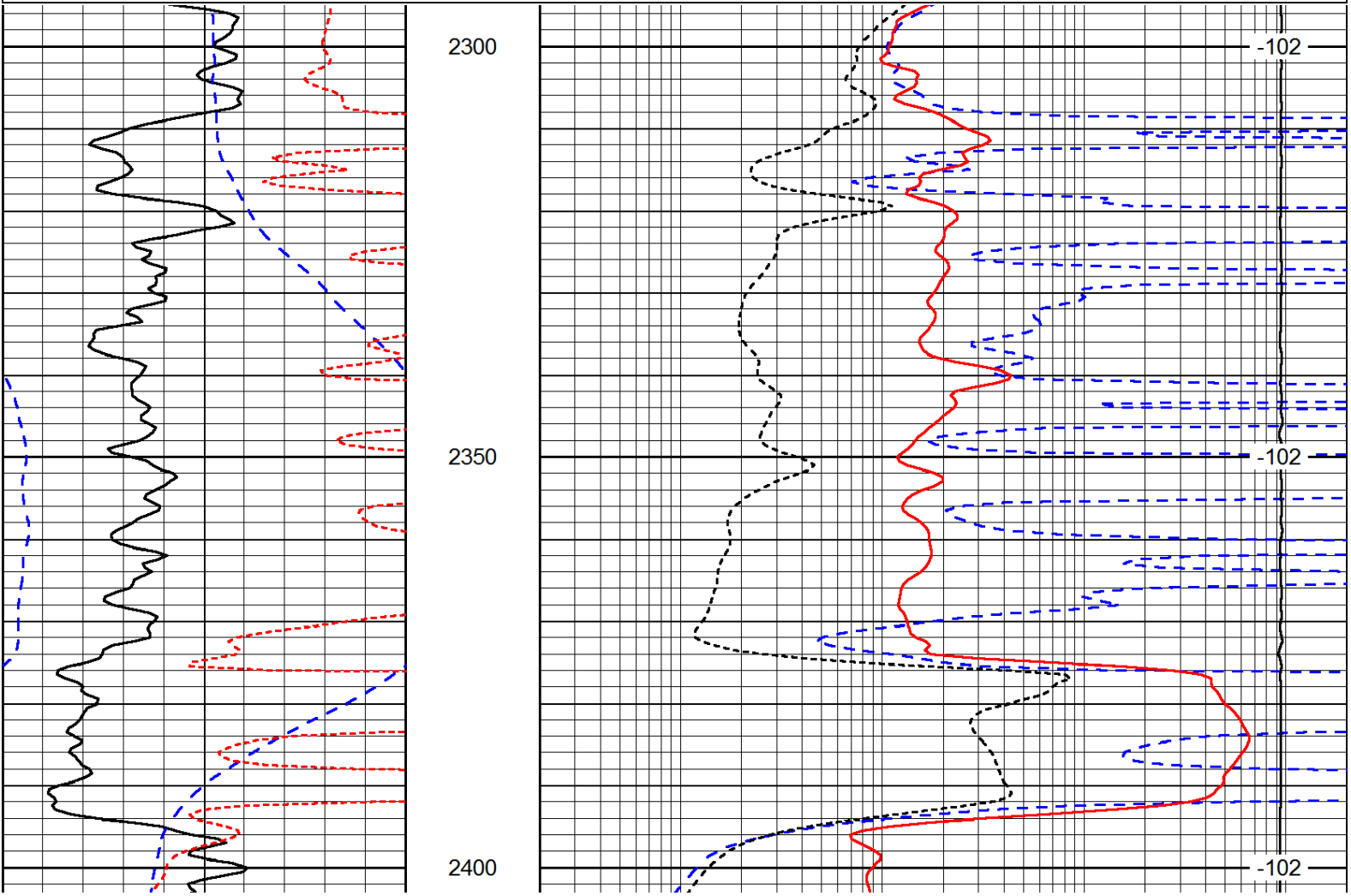
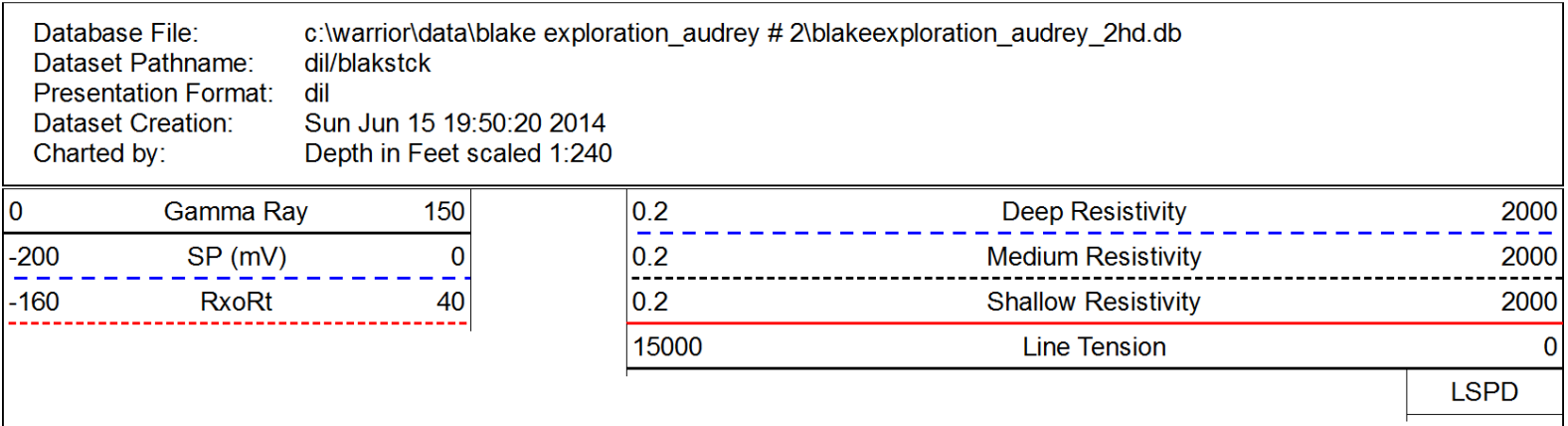
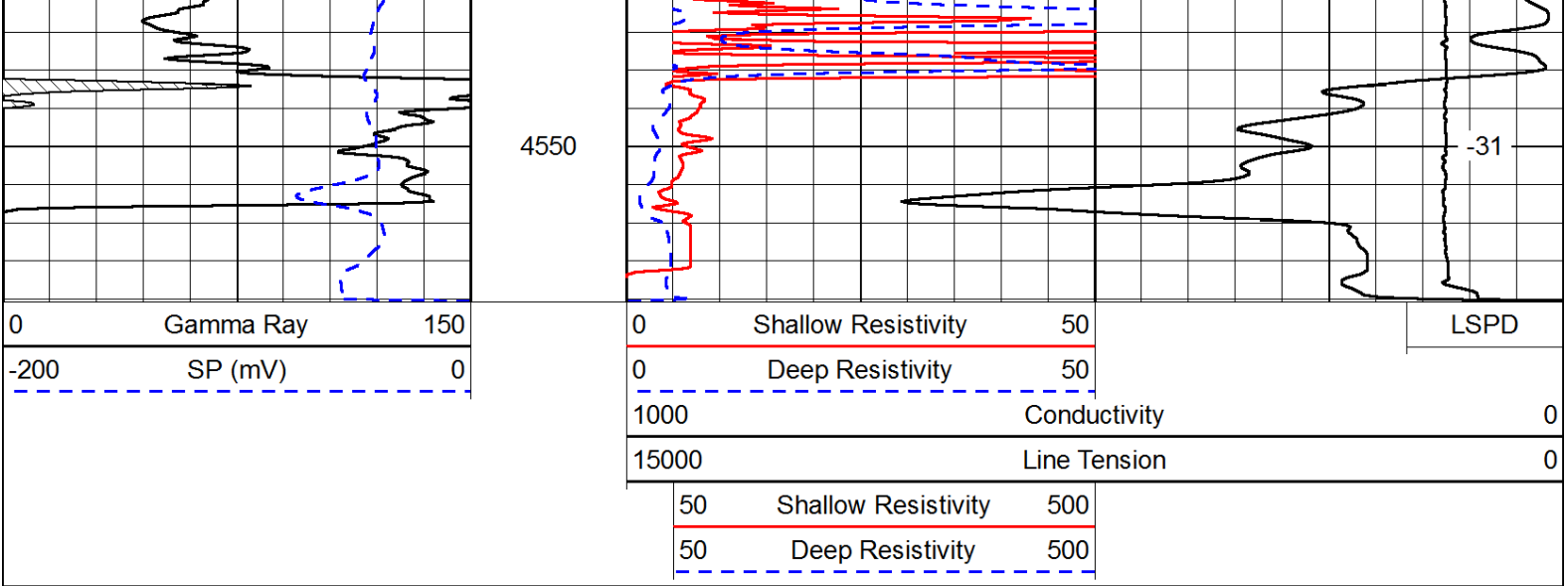


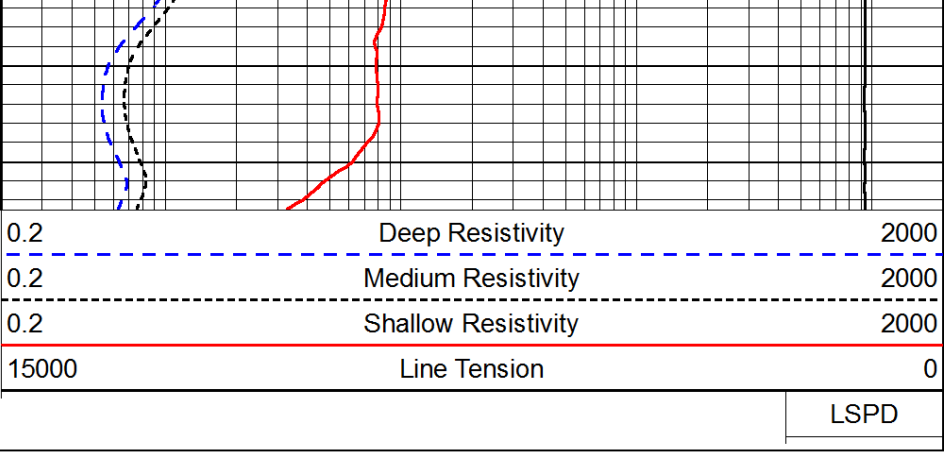
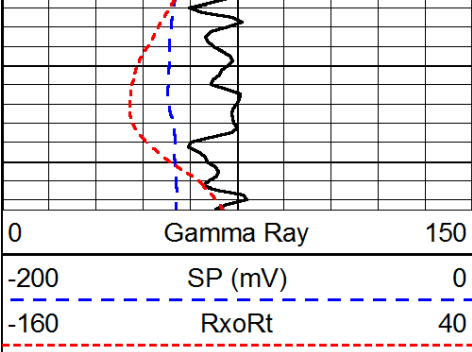




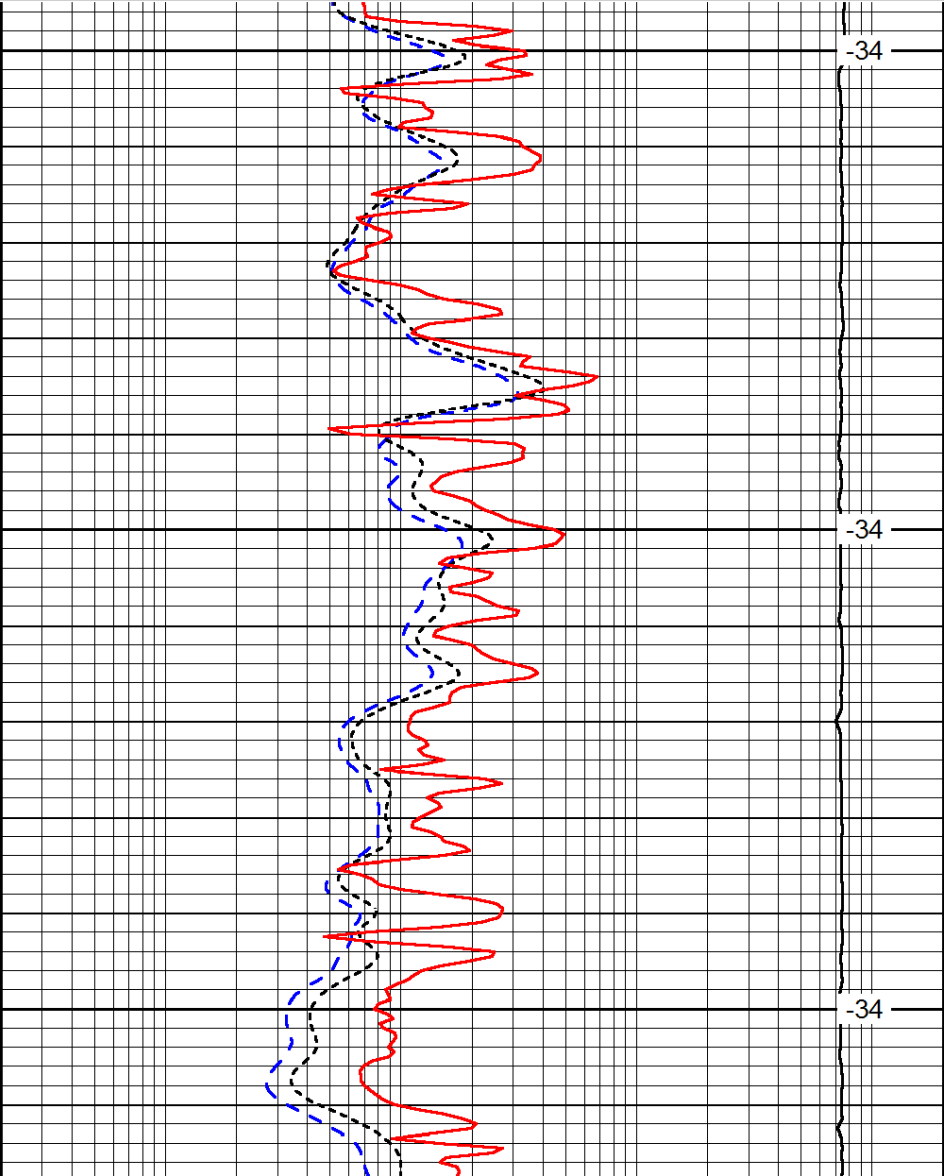
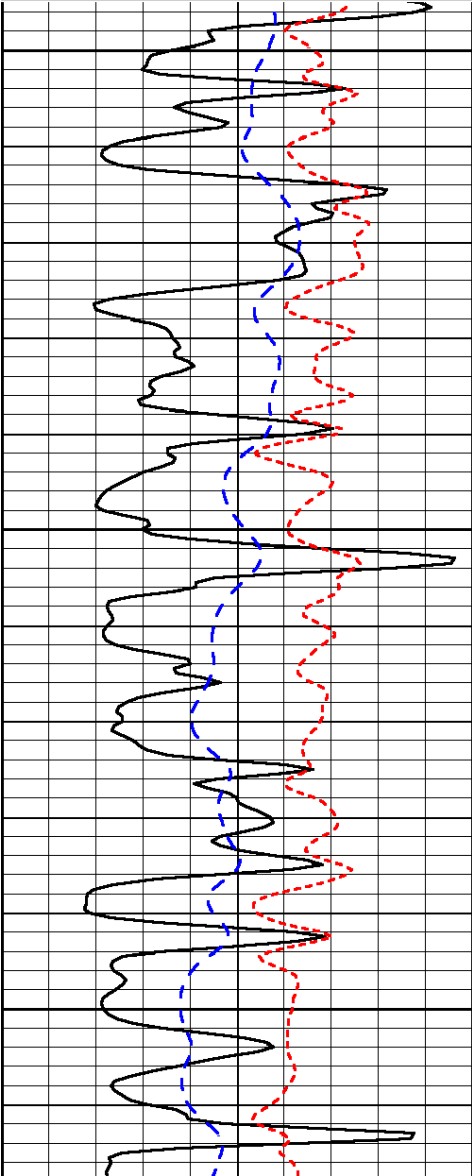
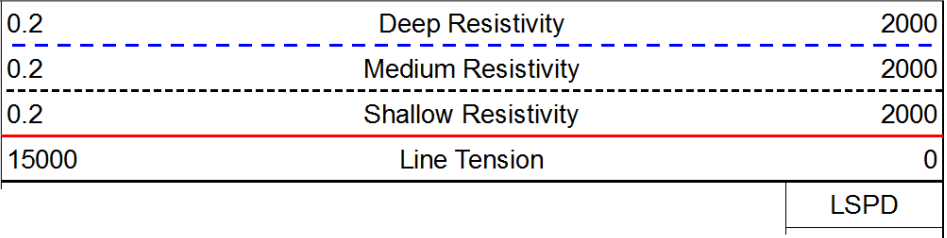
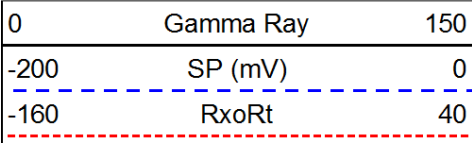


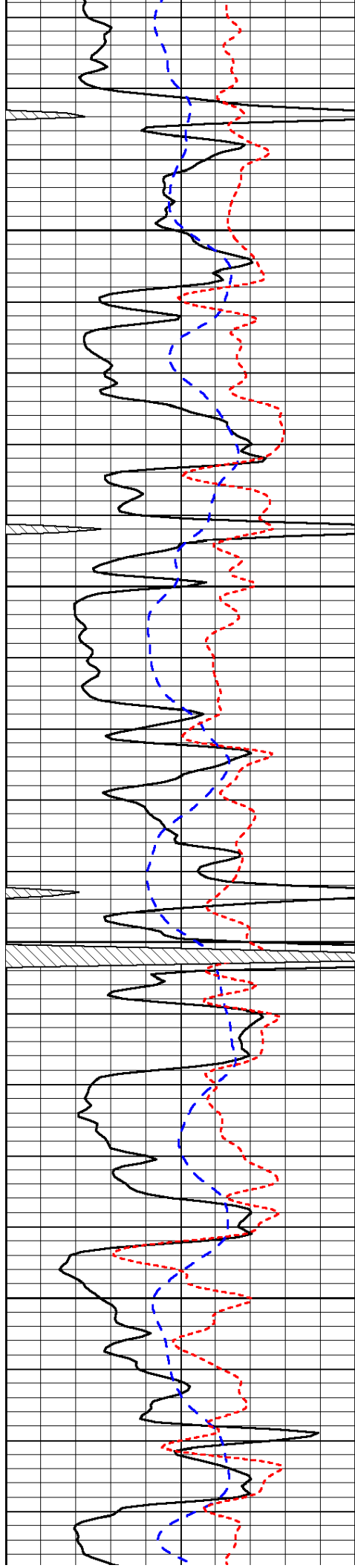






Database File: c:\warrior\data\blake exploration_audrey # 2\lakeexploration_audrey_2hd.db
Dataset Pathname: dil/blakstck
Presentation Format: dil
Dataset Creation: Sun Jun 15 19:50:20 2014
Charted by: Depth in Feet scaled 1:240



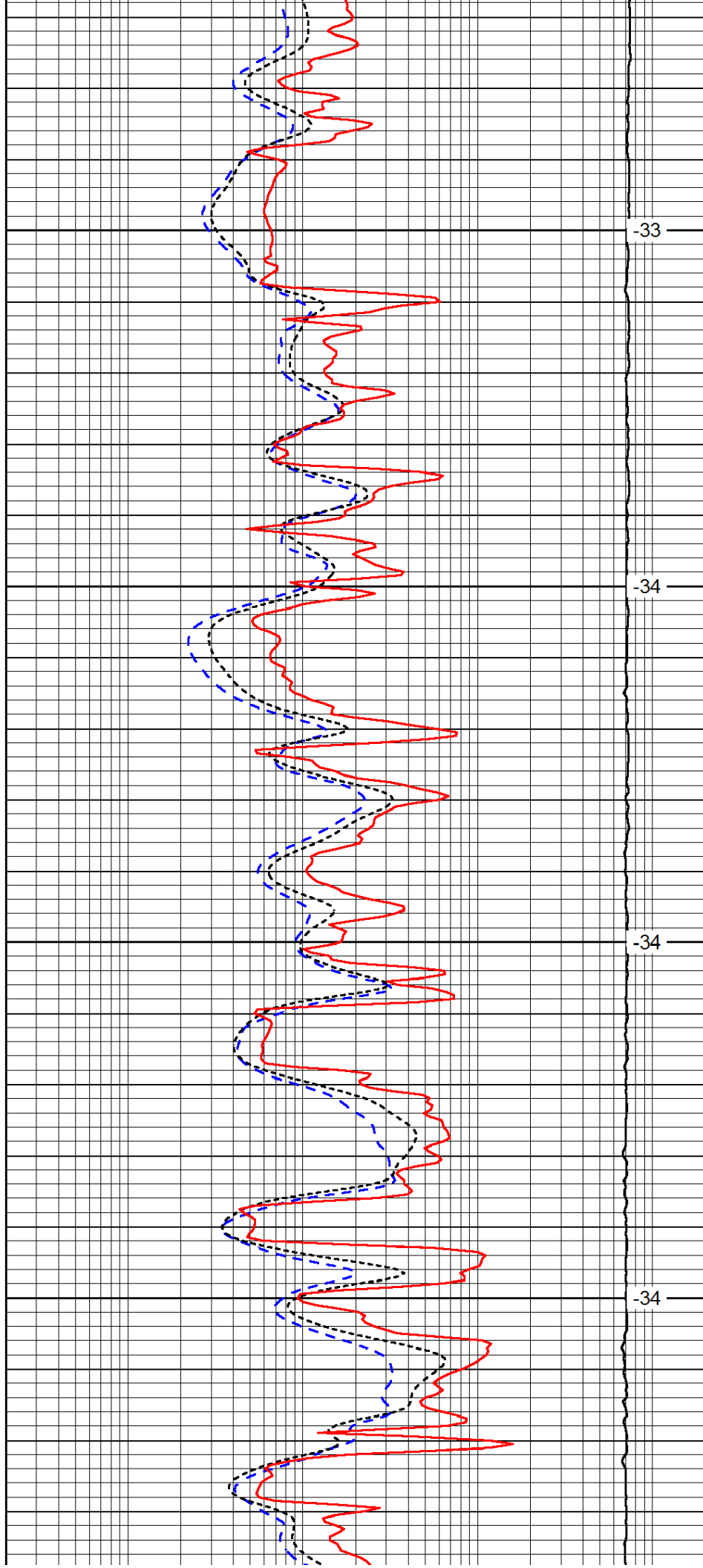


3750

3800

3850

3900

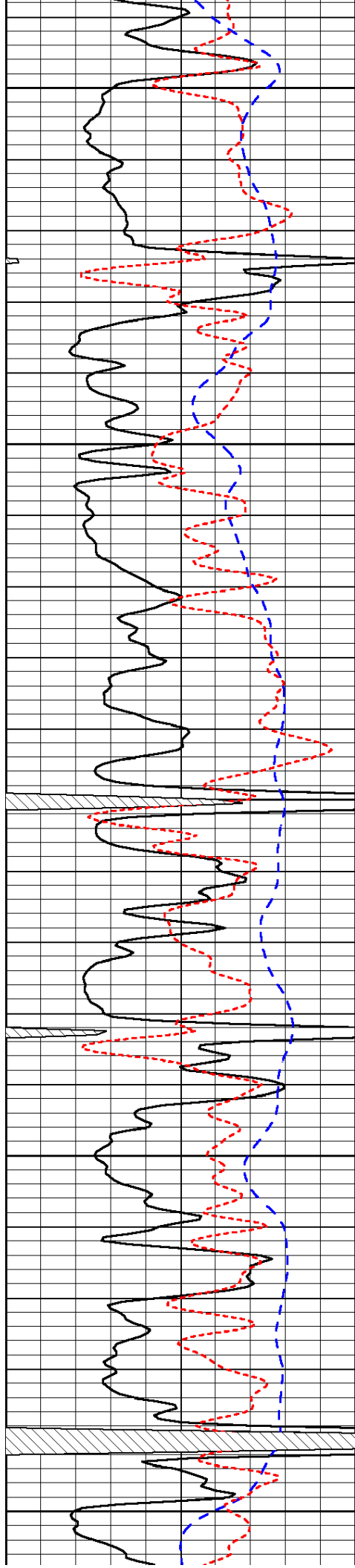


-33

-34

-34

-34



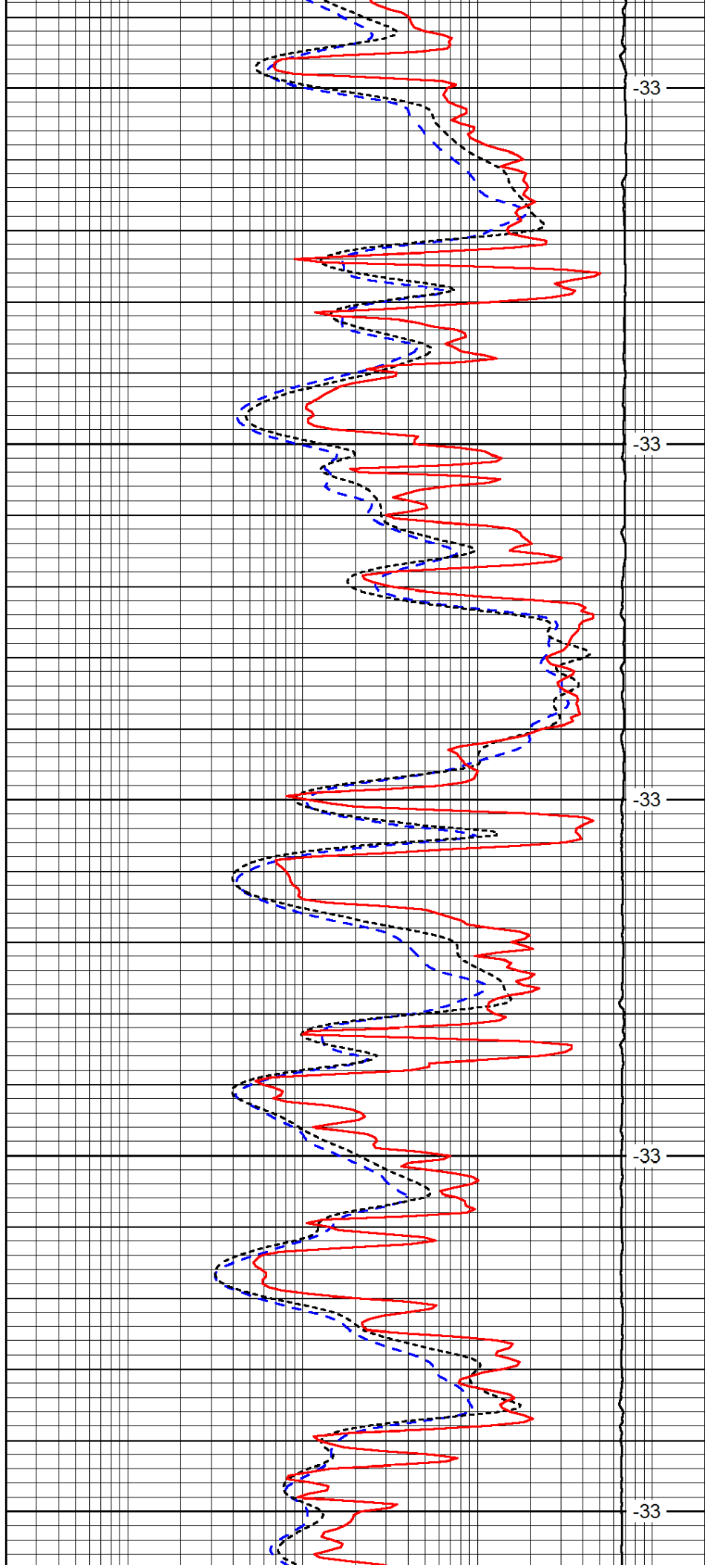
3950

4000

4050

4100

4150



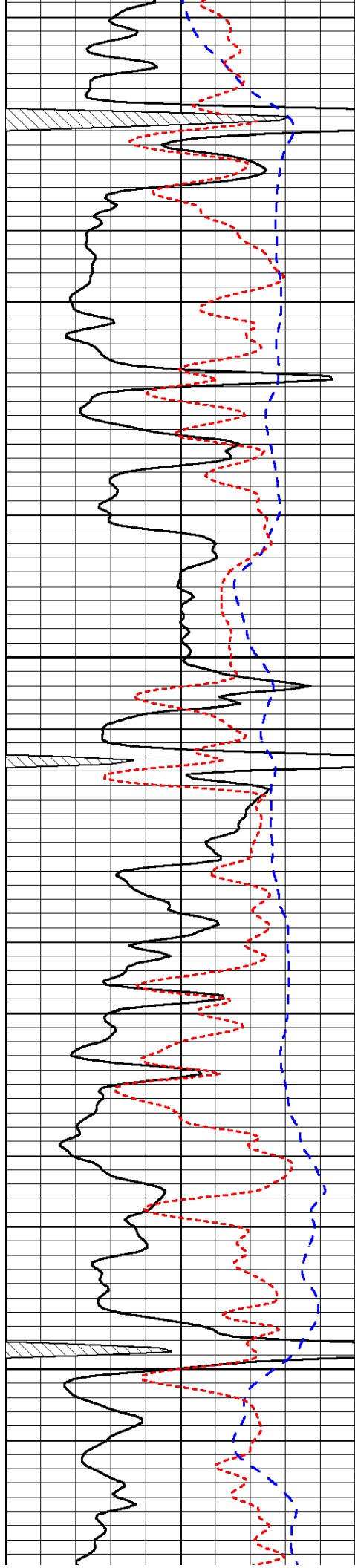
-33

-33

-33

-33

-33

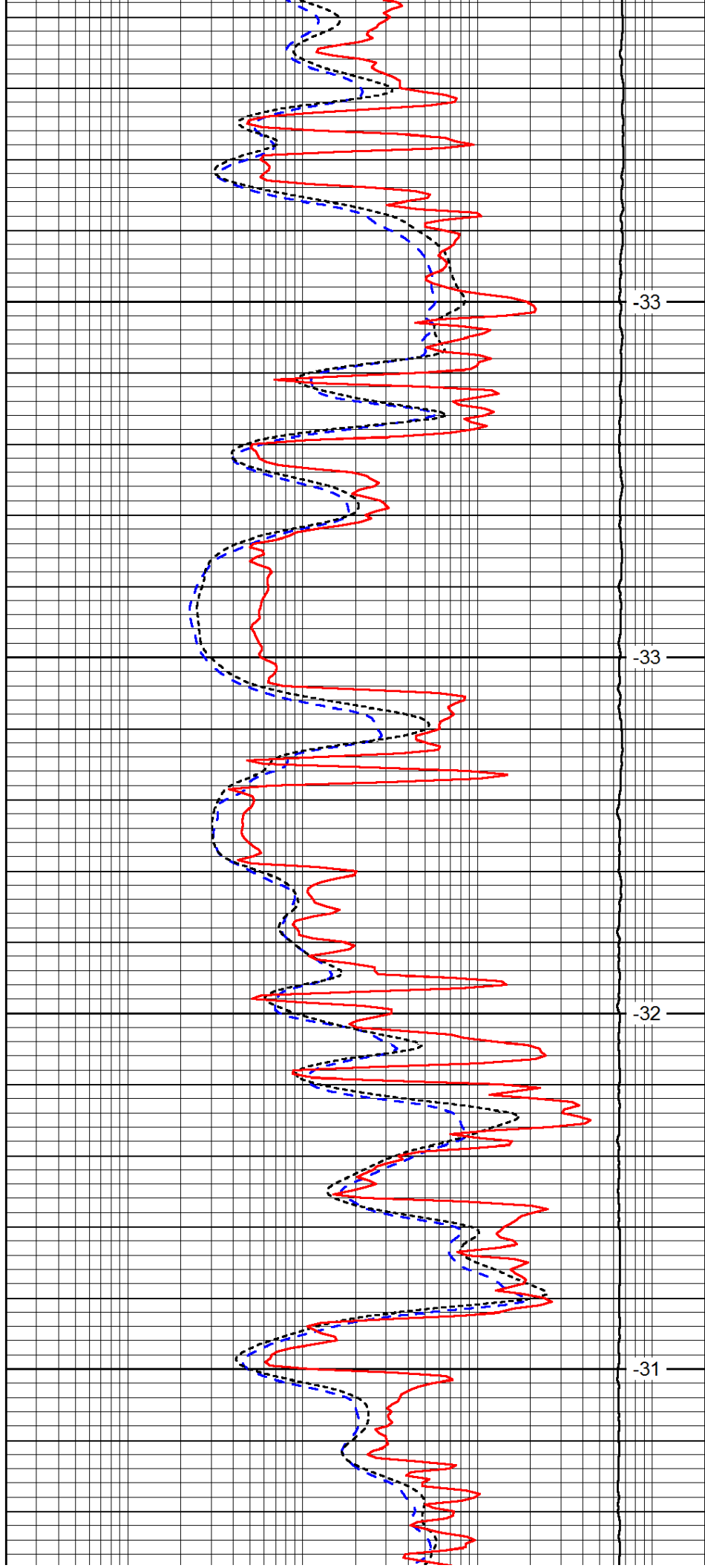


4200

4250

4300

4350

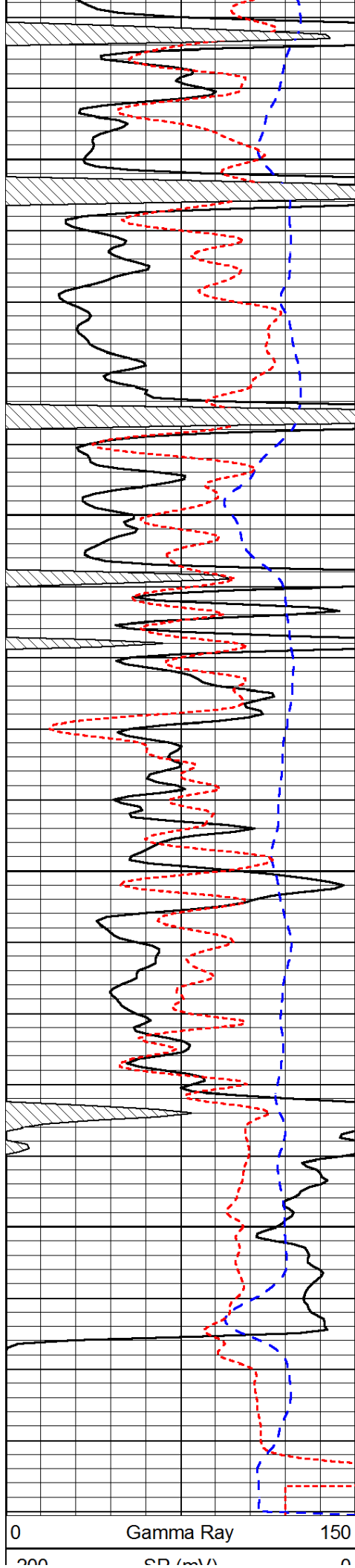


-33

-33

-32

-31

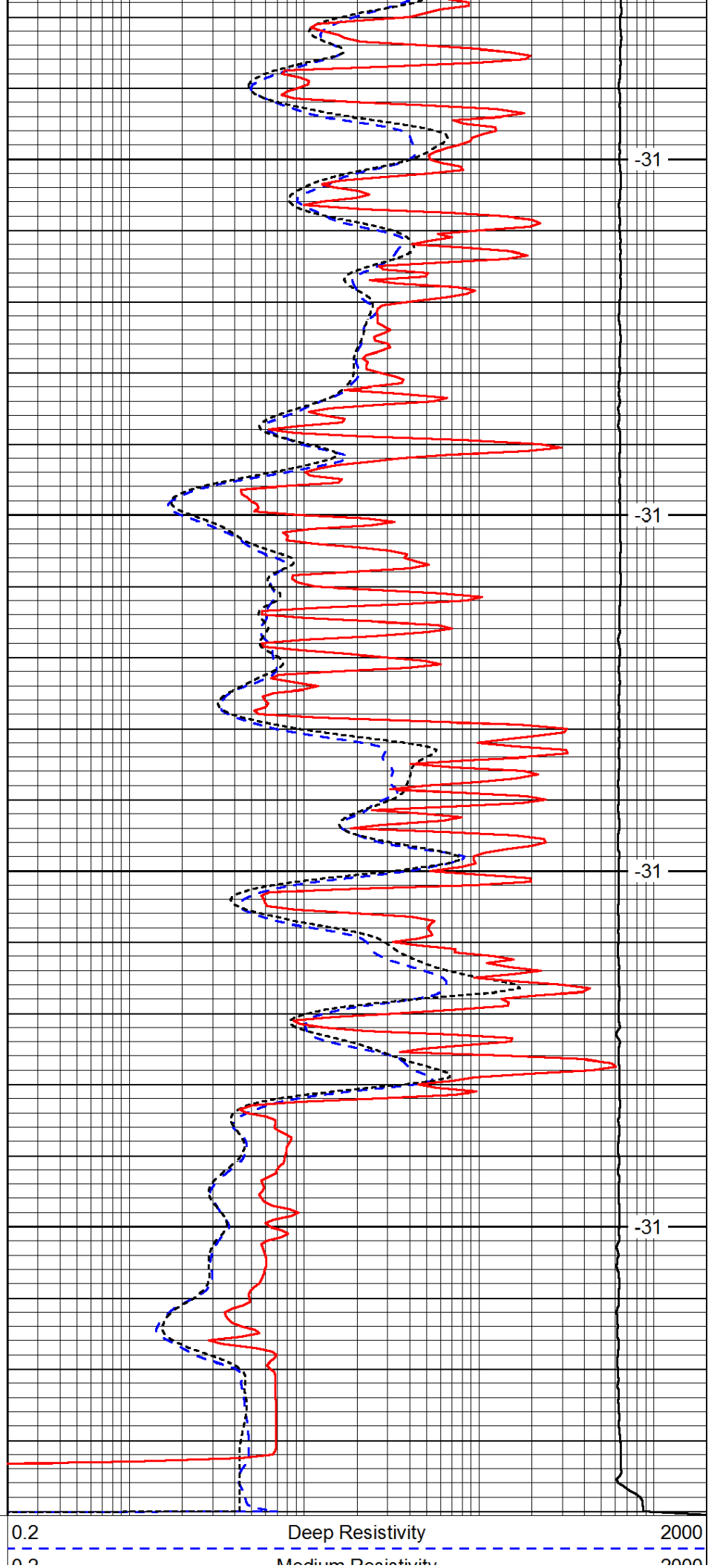


4400

4450

4500

4550



-31

-31

-31

-31

-200	SP (mV)	0
-160	RxoRt	40

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