



Pioneer Energy Services

Dual Induction Log

API No.		Company TDI, Inc.	
15-165-22073-00-00		Well Lester # 1	
		Field Unnamed	
		County Rush State Kansas	
Location		705' FSL & 735' FWL	
Sec: 2		Twp: 17 S Rge: 19 W	
Permanent Datum Ground Level		Elevation 2119	
Log Measured From Kelly Bushing		10 Ft. Above Perm. Datum	
Drilling Measured From Kelly Bushing		K.B. 2129 D.F. 2119 G.L. 2119	
Date		7/21/2014	
Run Number		One	
Depth Driller		4056	
Depth Logger		4058	
Bottom Logged Interval		4057	
Top Log Interval		200	
Casing Driller		8.625 @ 221	
Casing Logger		220	
Bit Size		7.875	
Type Fluid in Hole		Chemical	
Salinity, ppm CL		7000	
Density / Viscosity		9.2 56 8.5 12.0	
pH / Fluid Loss			
Source of Sample		Flowline	
Rm @ Meas. Temp		0.35 @ 82	
Rmf @ Meas. Temp		0.26 @ 82	
Rmc @ Meas. Temp		0.47 @ 82	
Source of Rmf / Rmc		Charts	
Rm @ BHT		0.25 @ 117	
Operating Rig Time		3 Hours	
Max Rec. Temp. F		117	
Equipment Number		17	
Location		Hays	
Recorded By		Y. Ruiz	
Witnessed By		Herb Deines	
		Tom Denning	

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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.

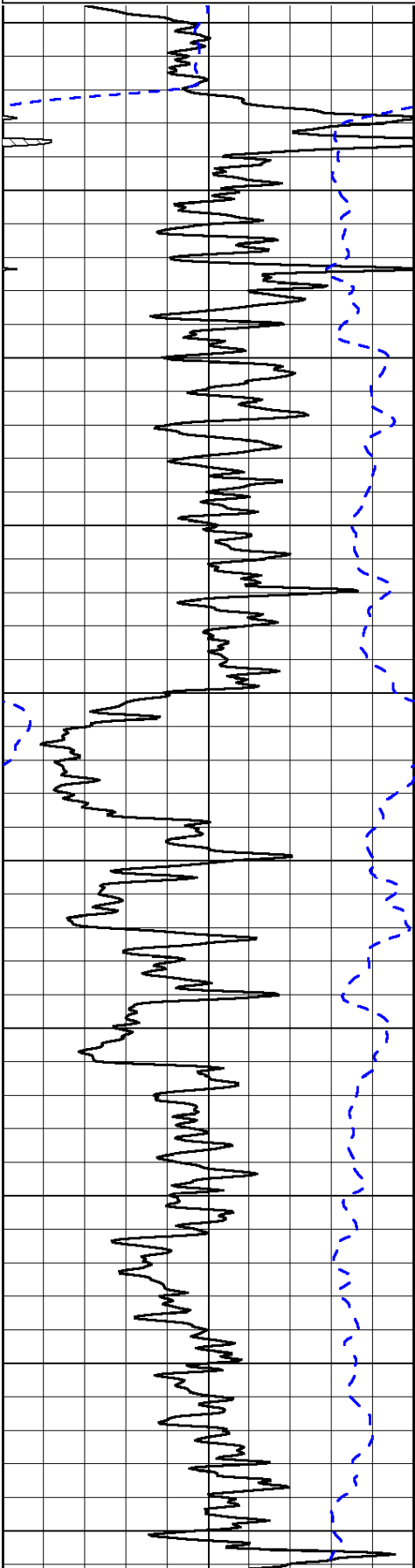
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Liebenthal,
South to Avenue G, 4 1/2 West 1 South, 1/4 East,
North into

Database File: c:\warrior\data\tdi_lester # 1\tdi_lester_1_hd.db
Dataset Pathname: DIL\tdistk
Presentation Format: dil2in
Dataset Creation: Mon Jul 21 16:02:01 2014
Charted by: Depth in Feet scaled 1:600

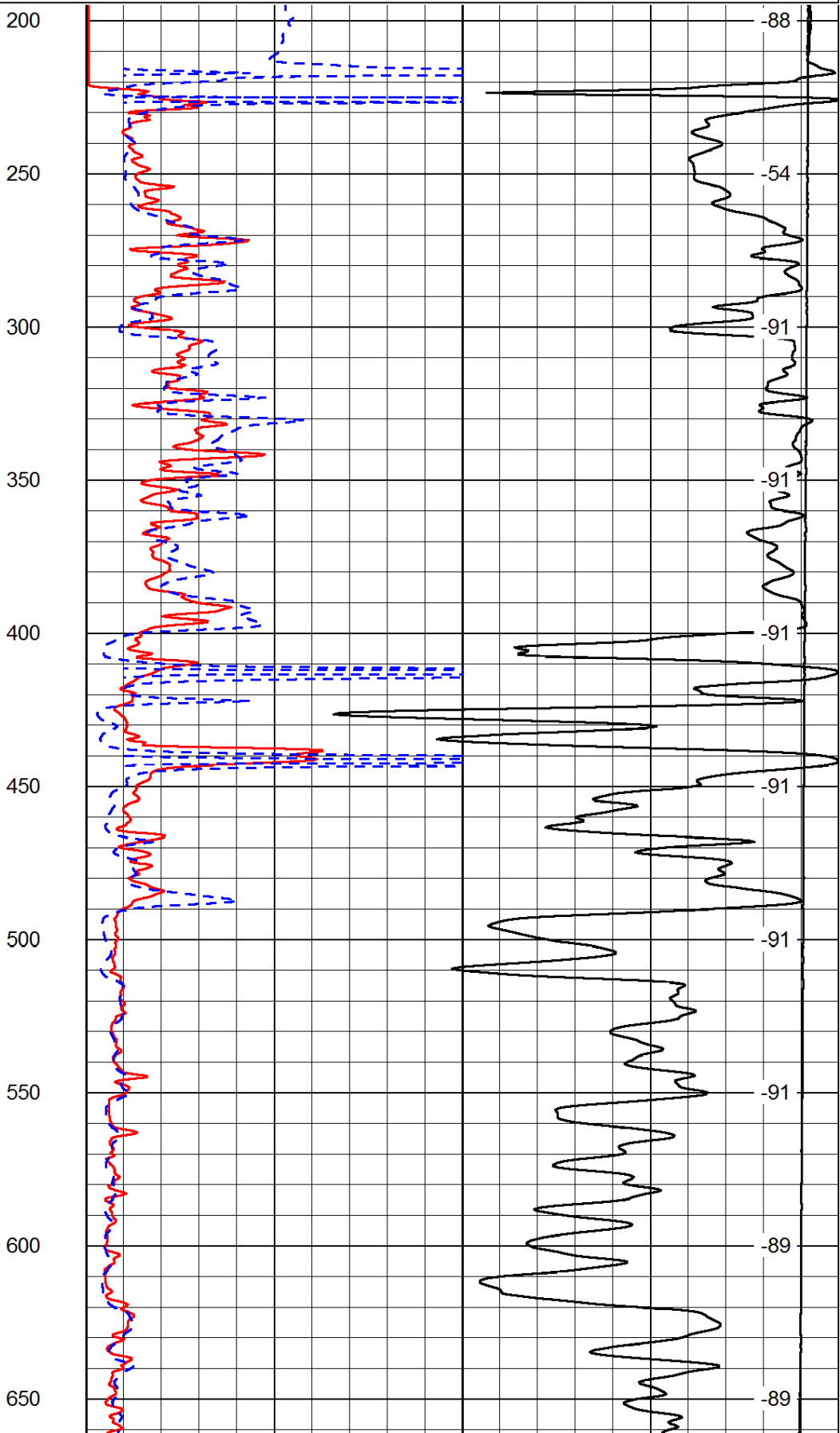
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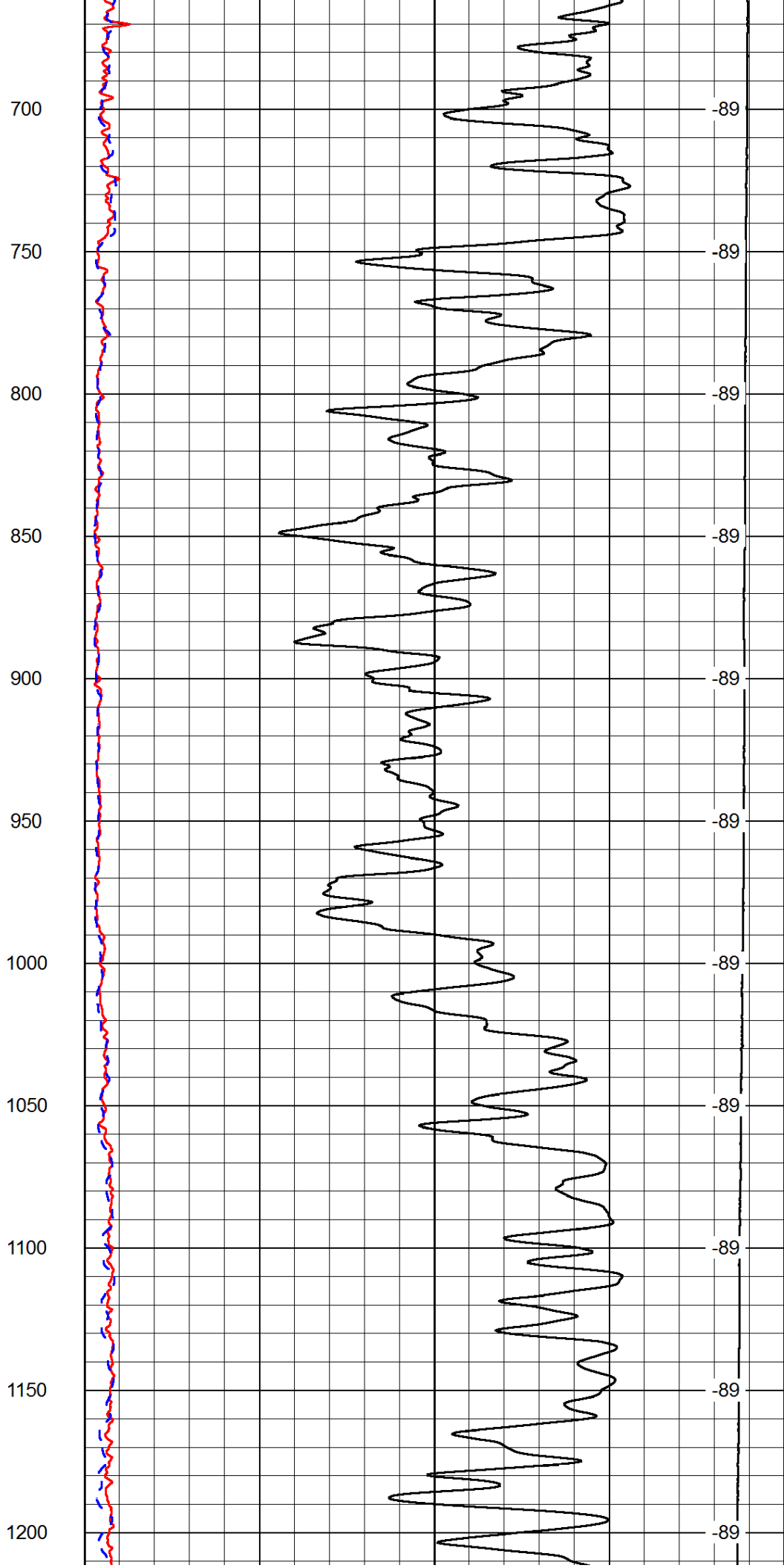
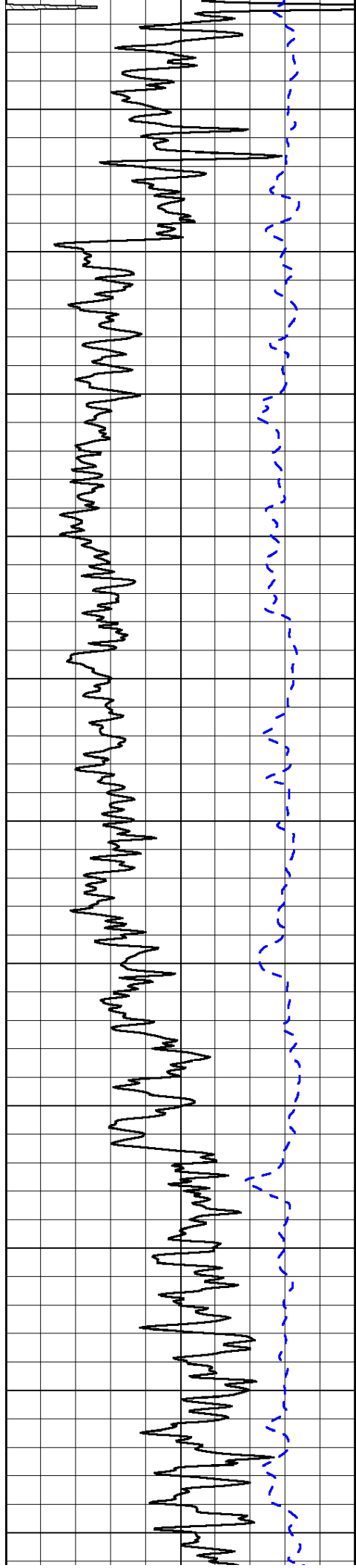
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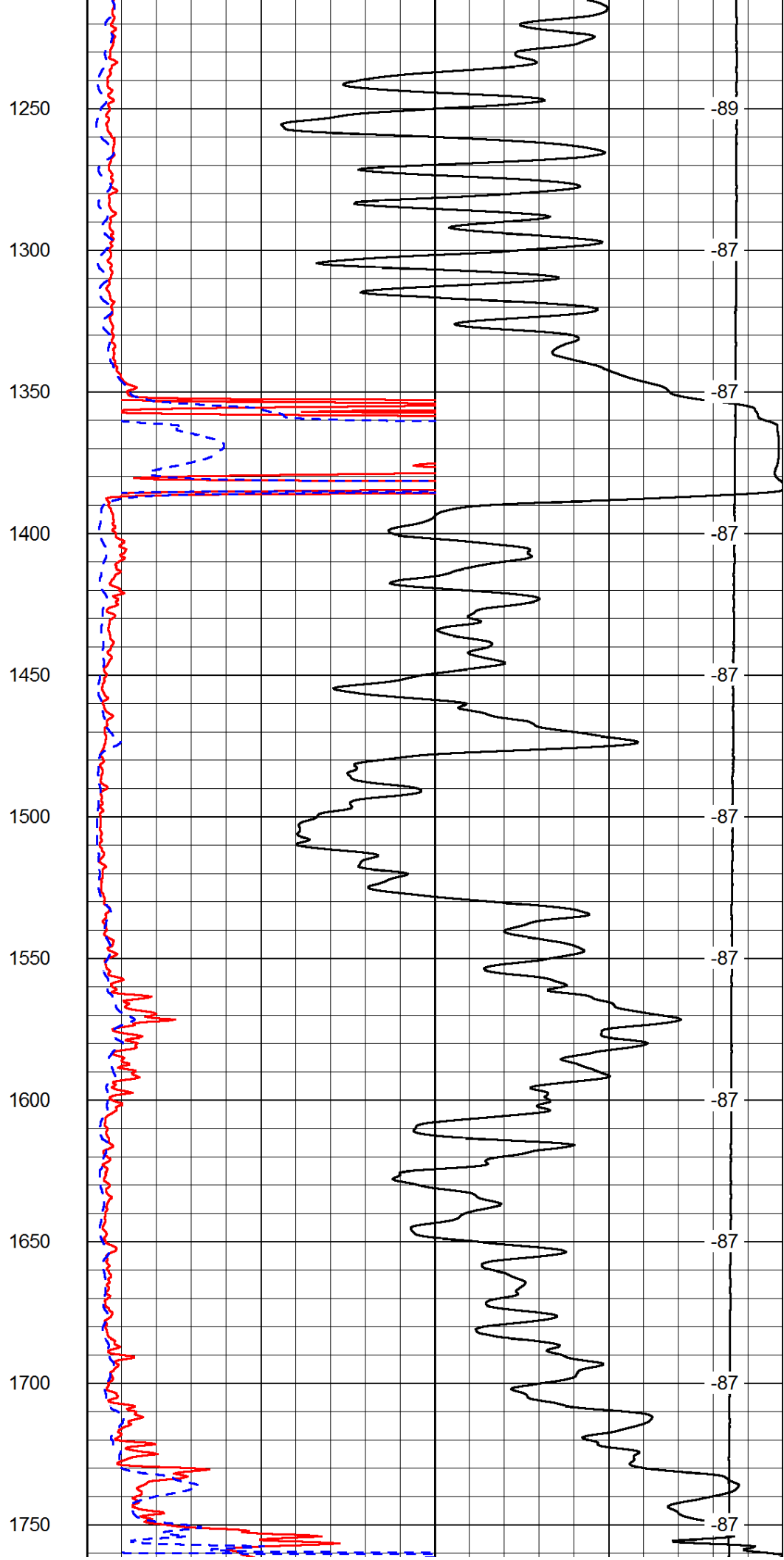
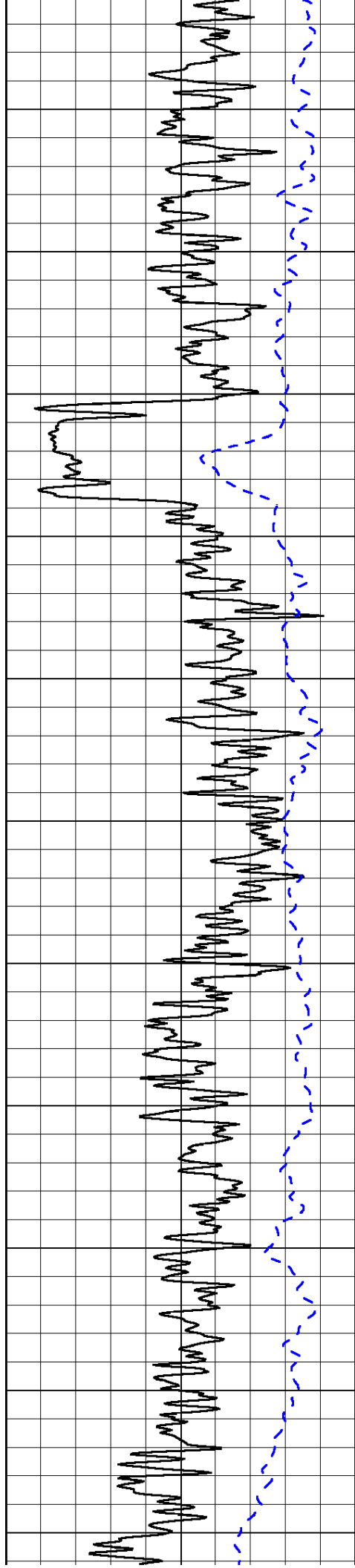


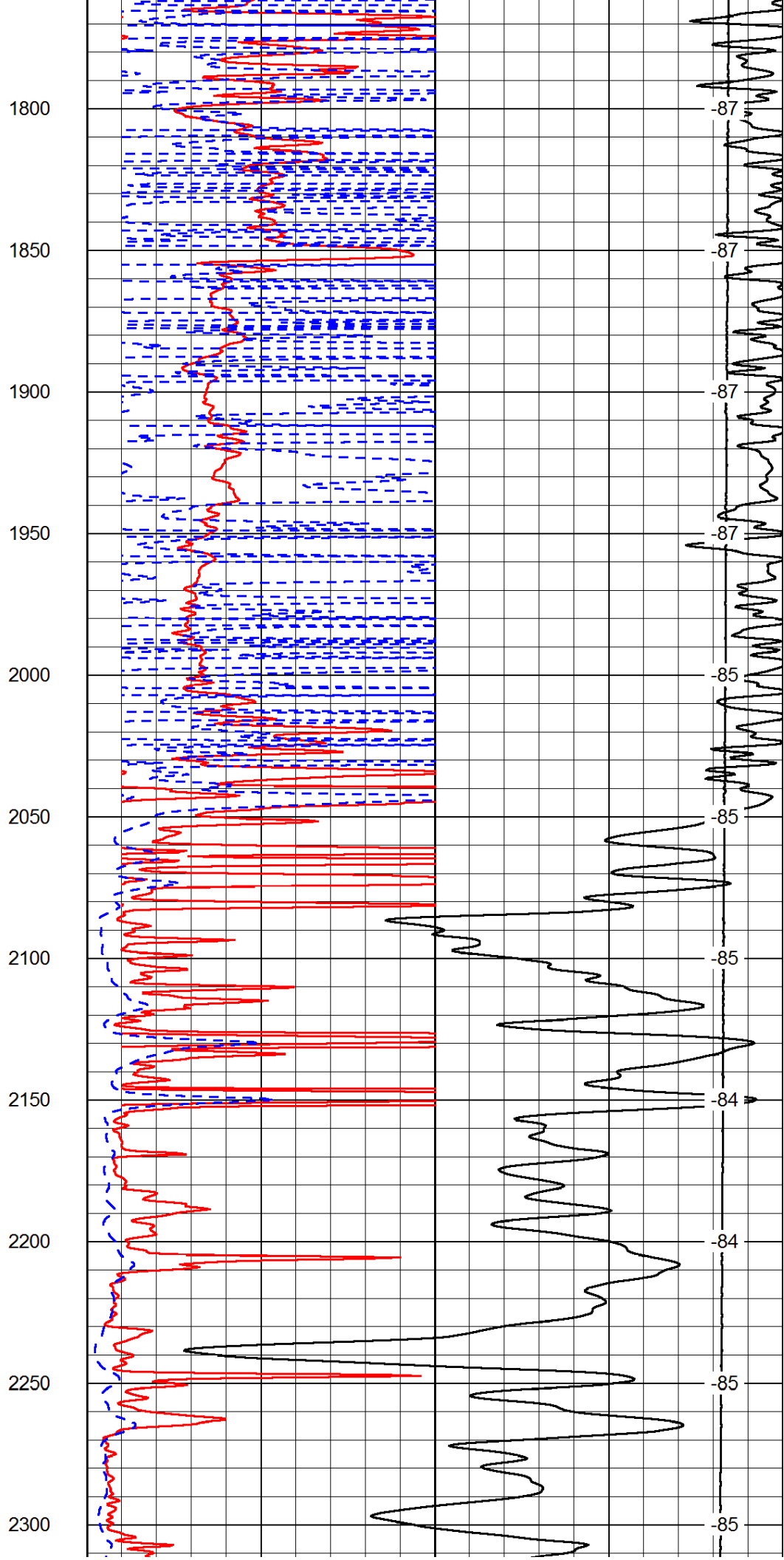
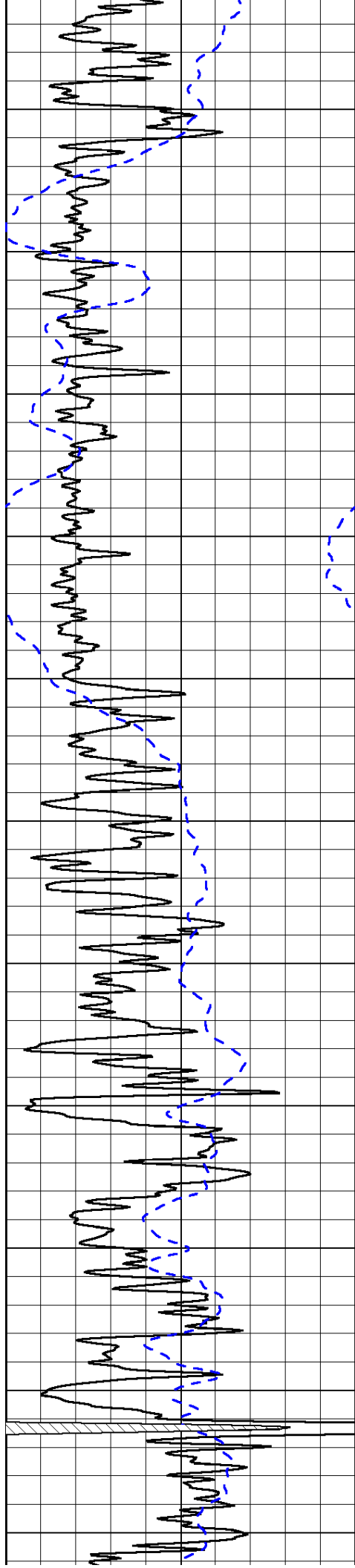
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

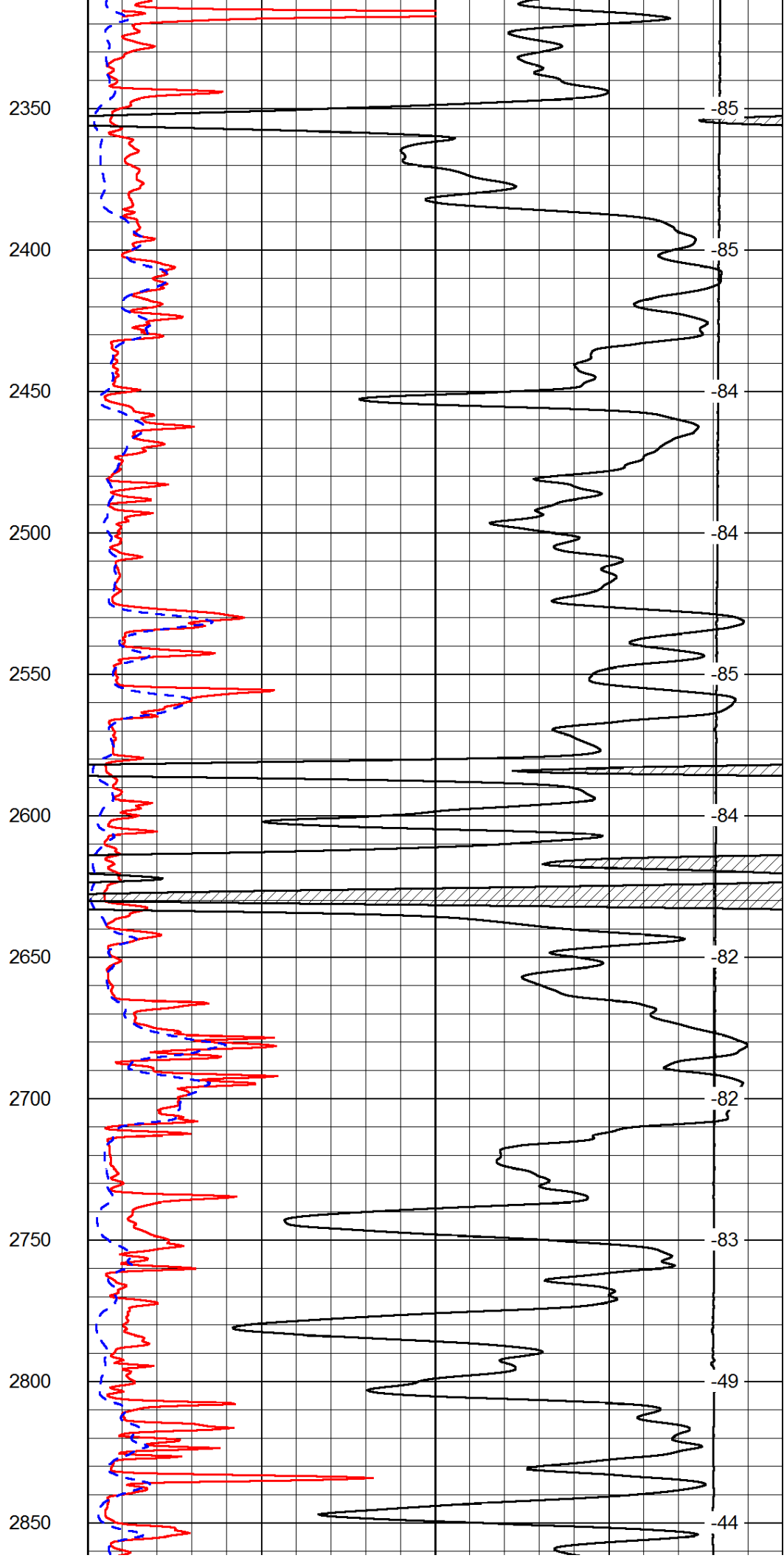
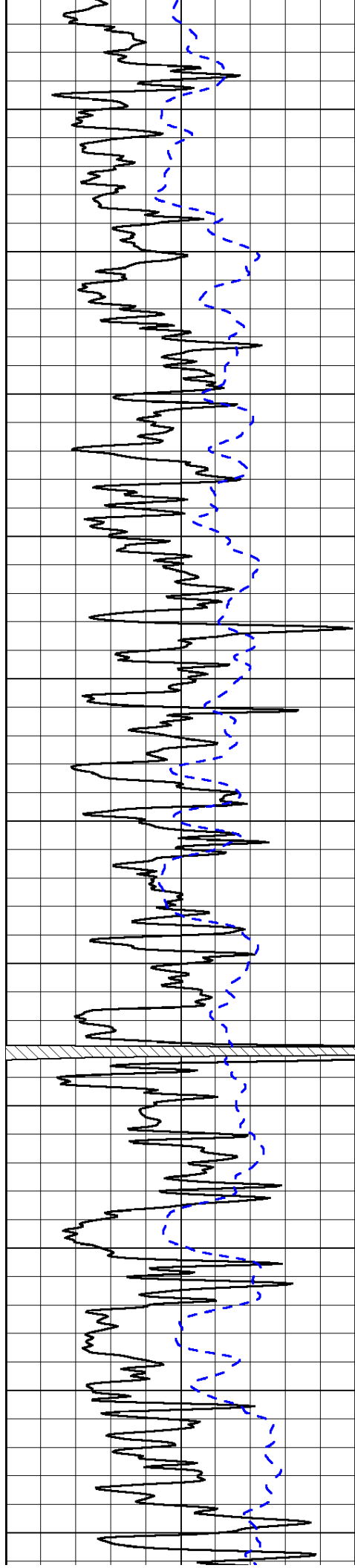
LSPD
0
0

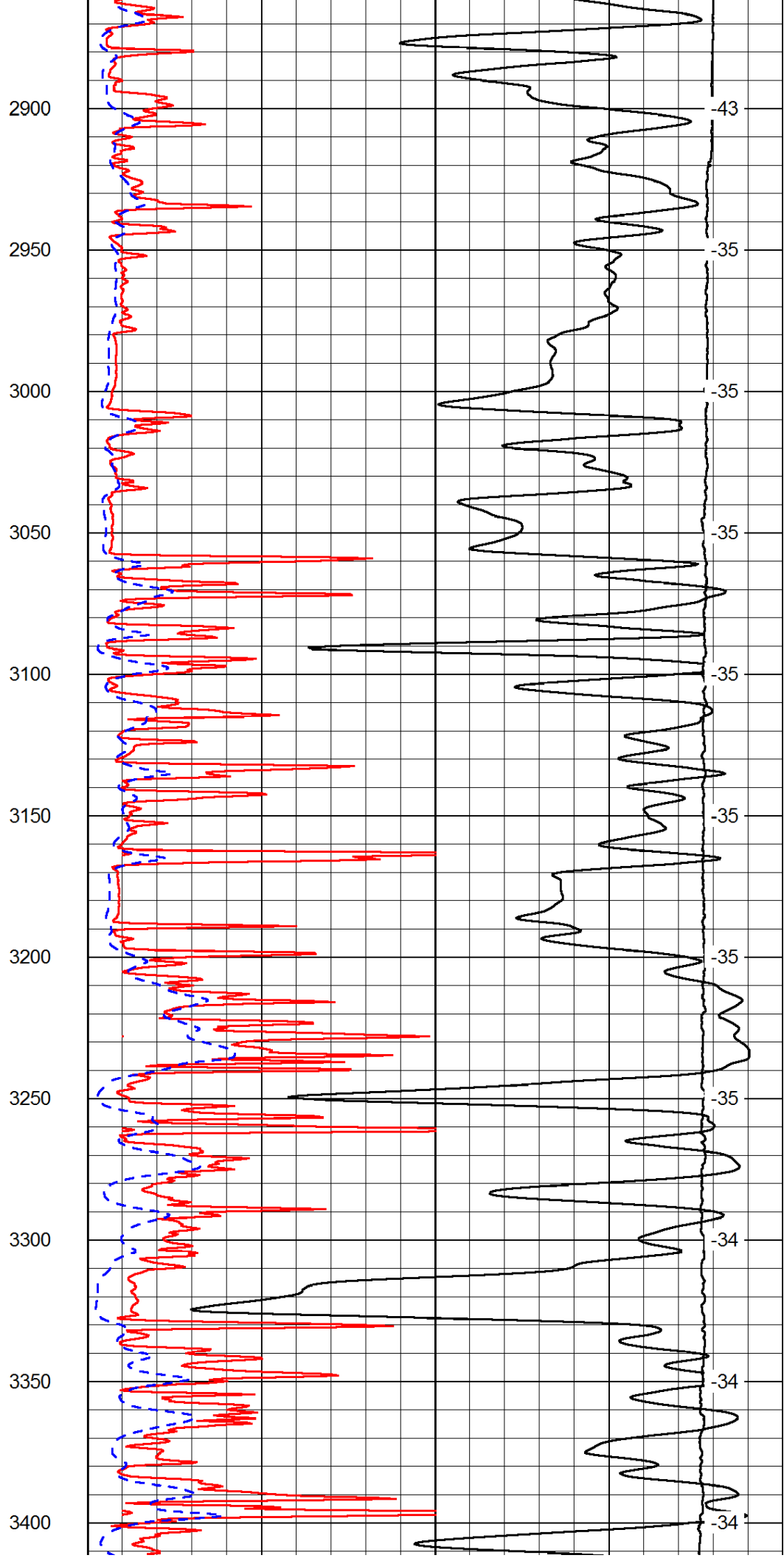
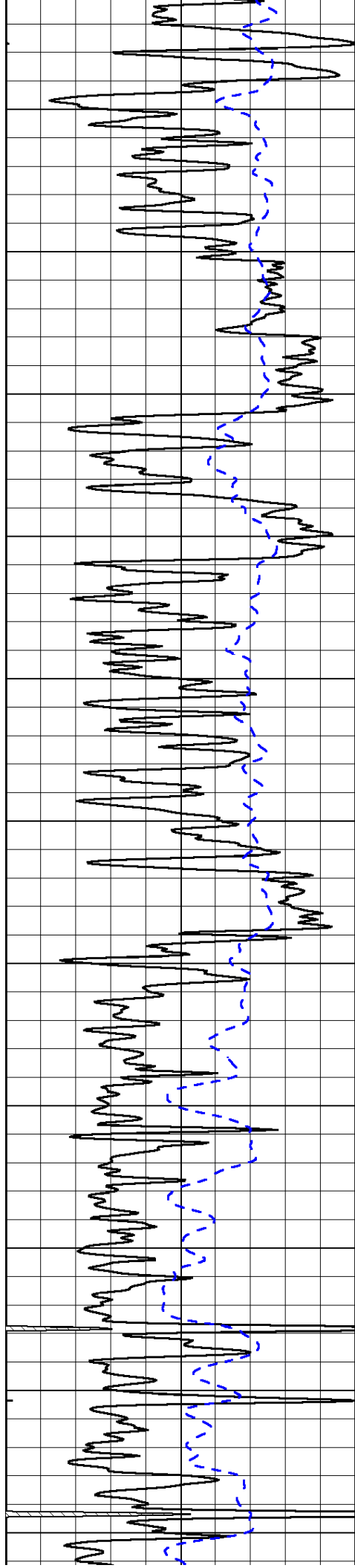


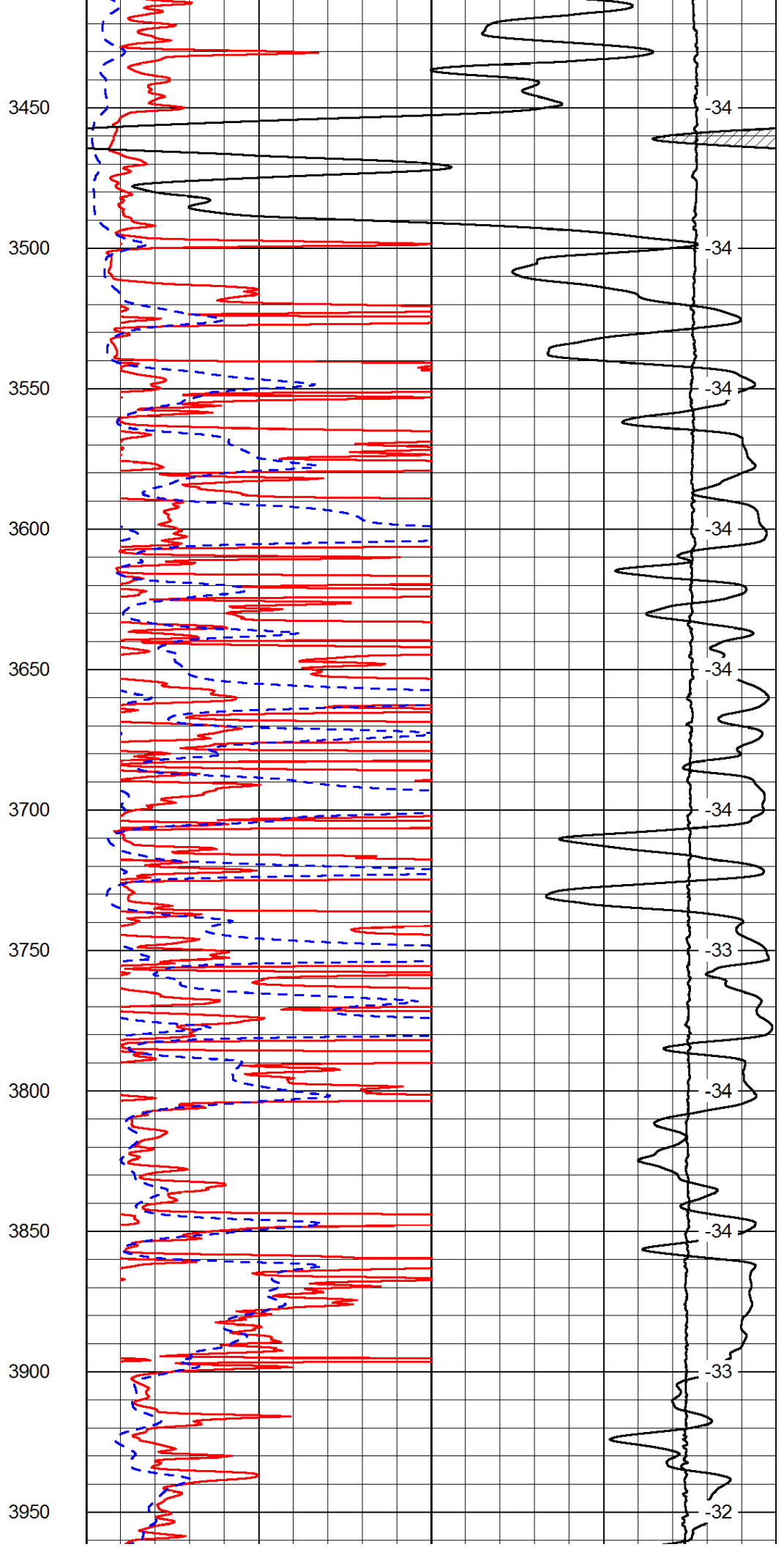
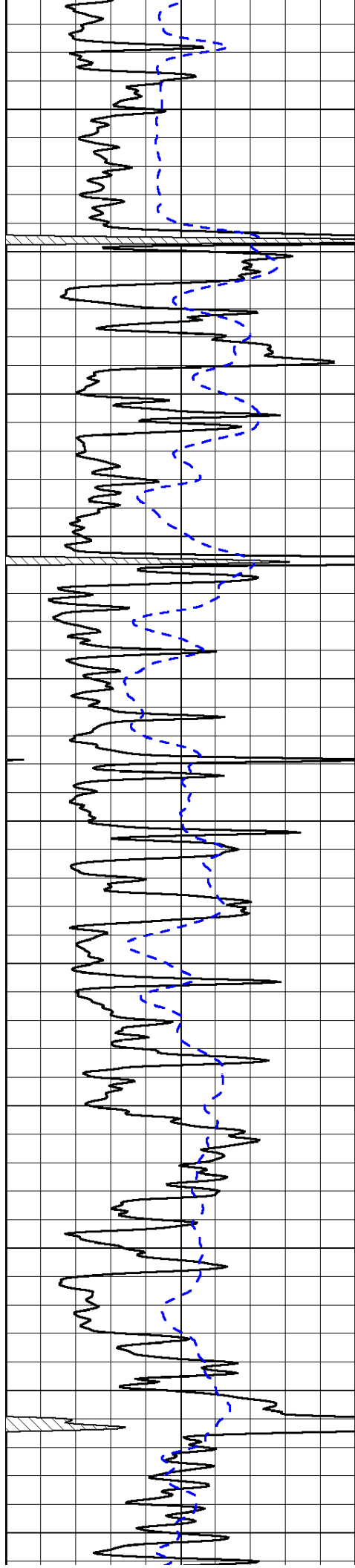


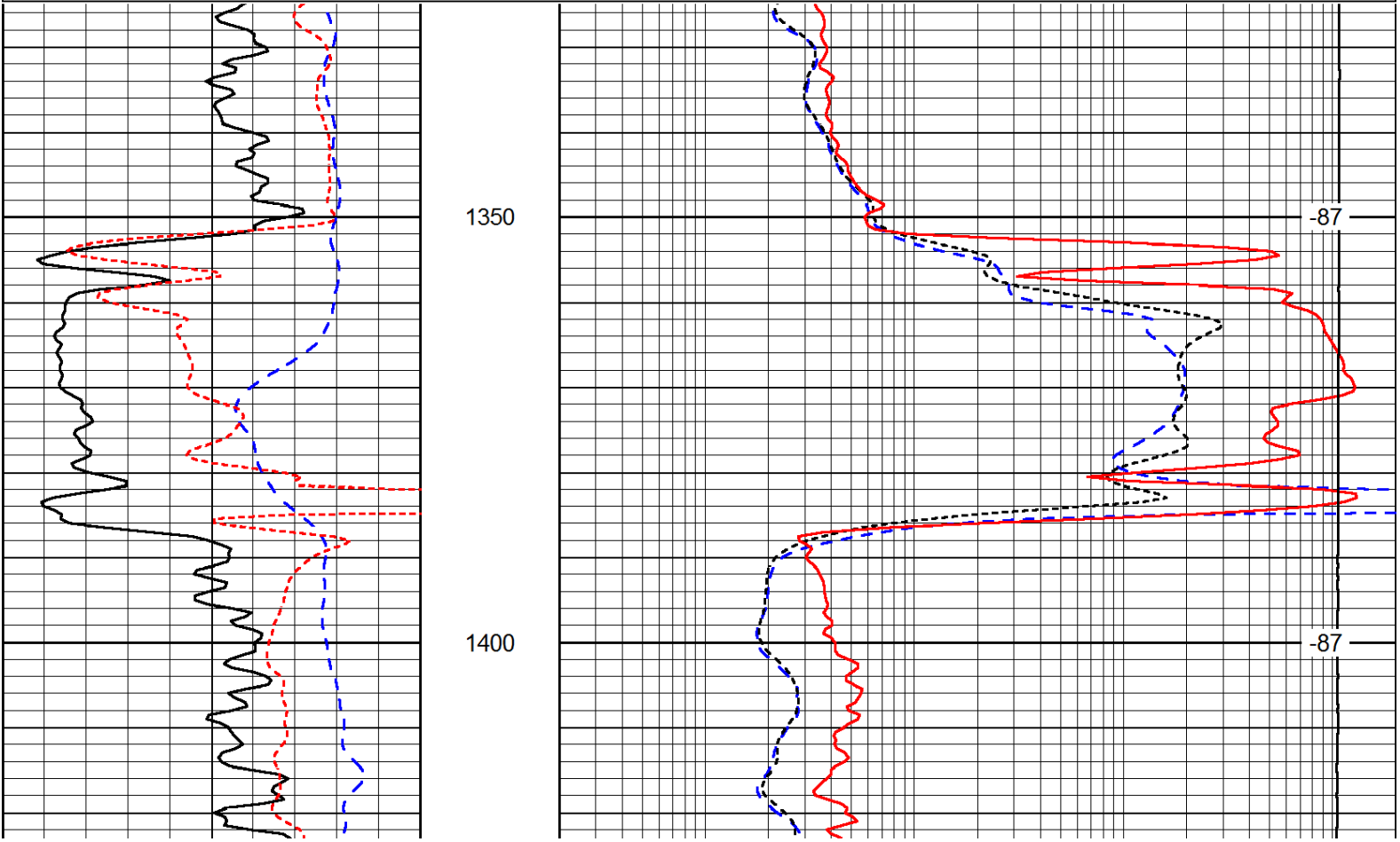
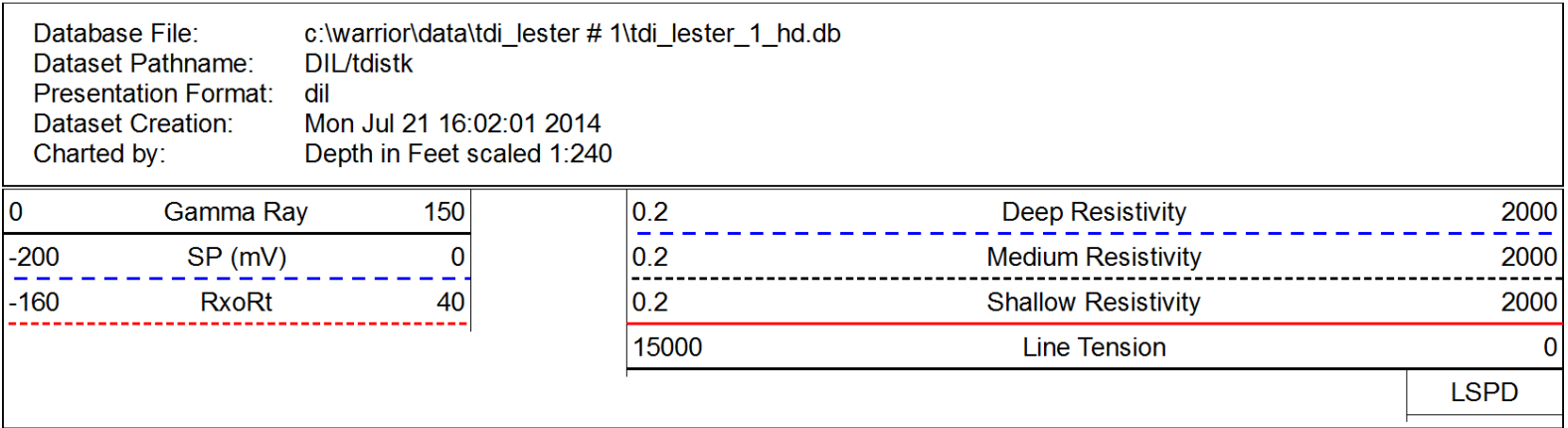
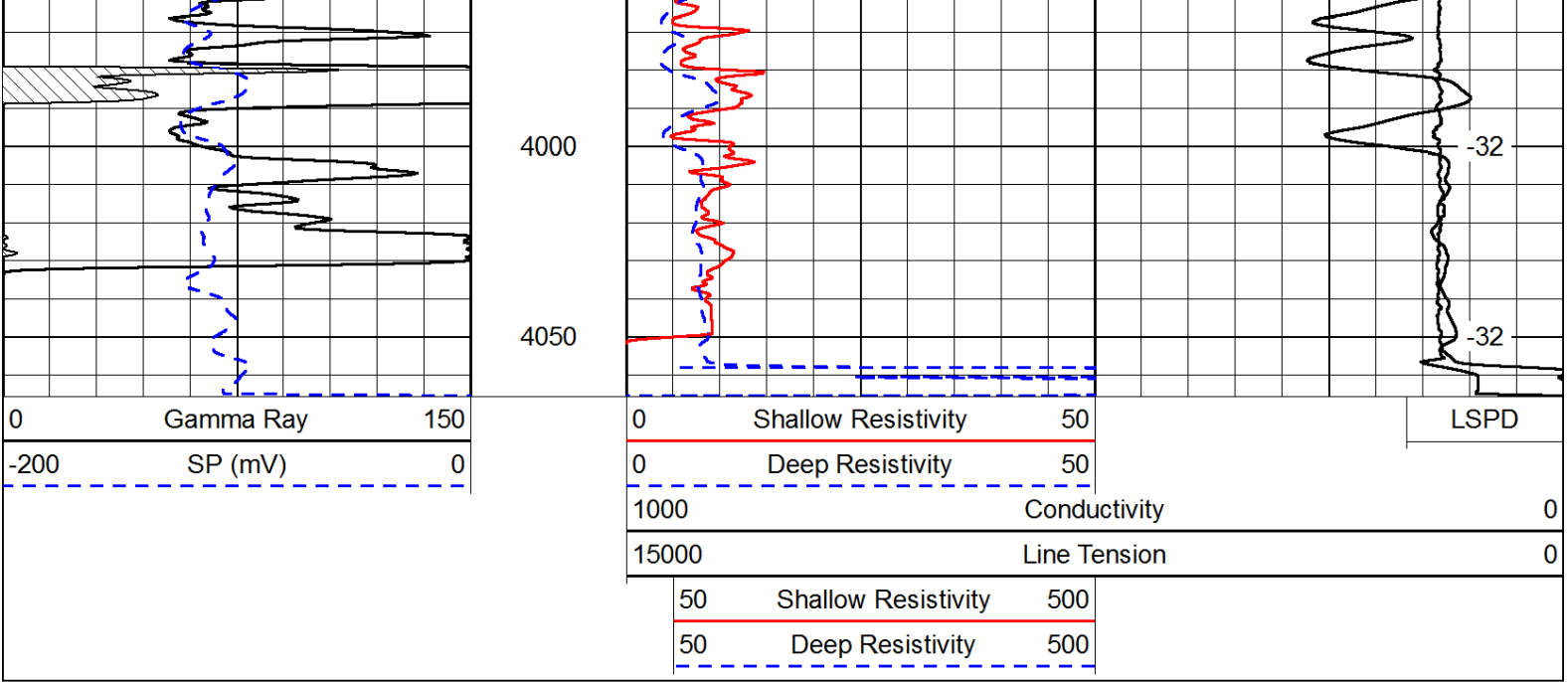








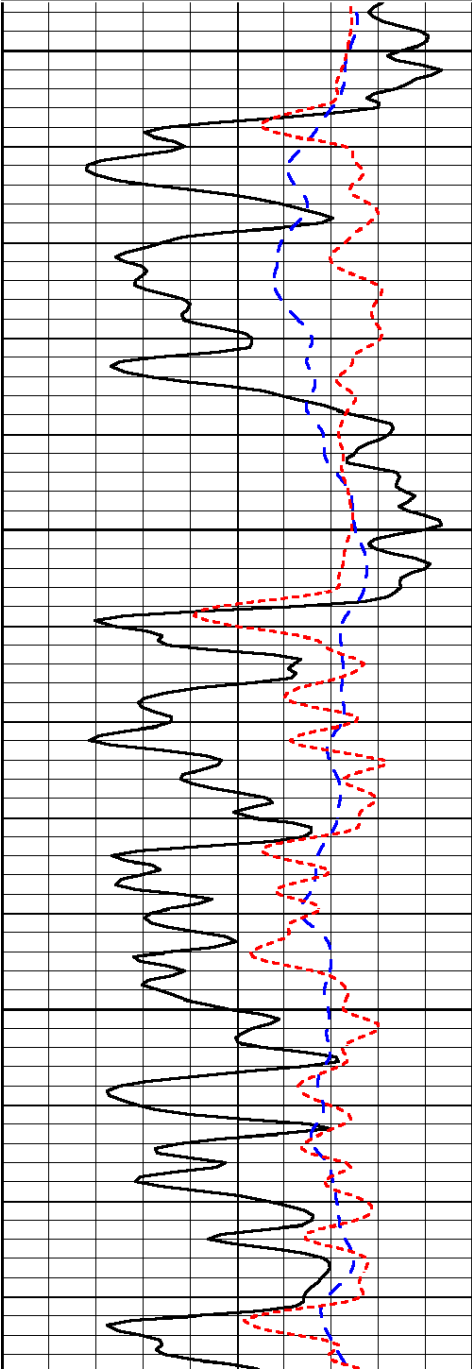




0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

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

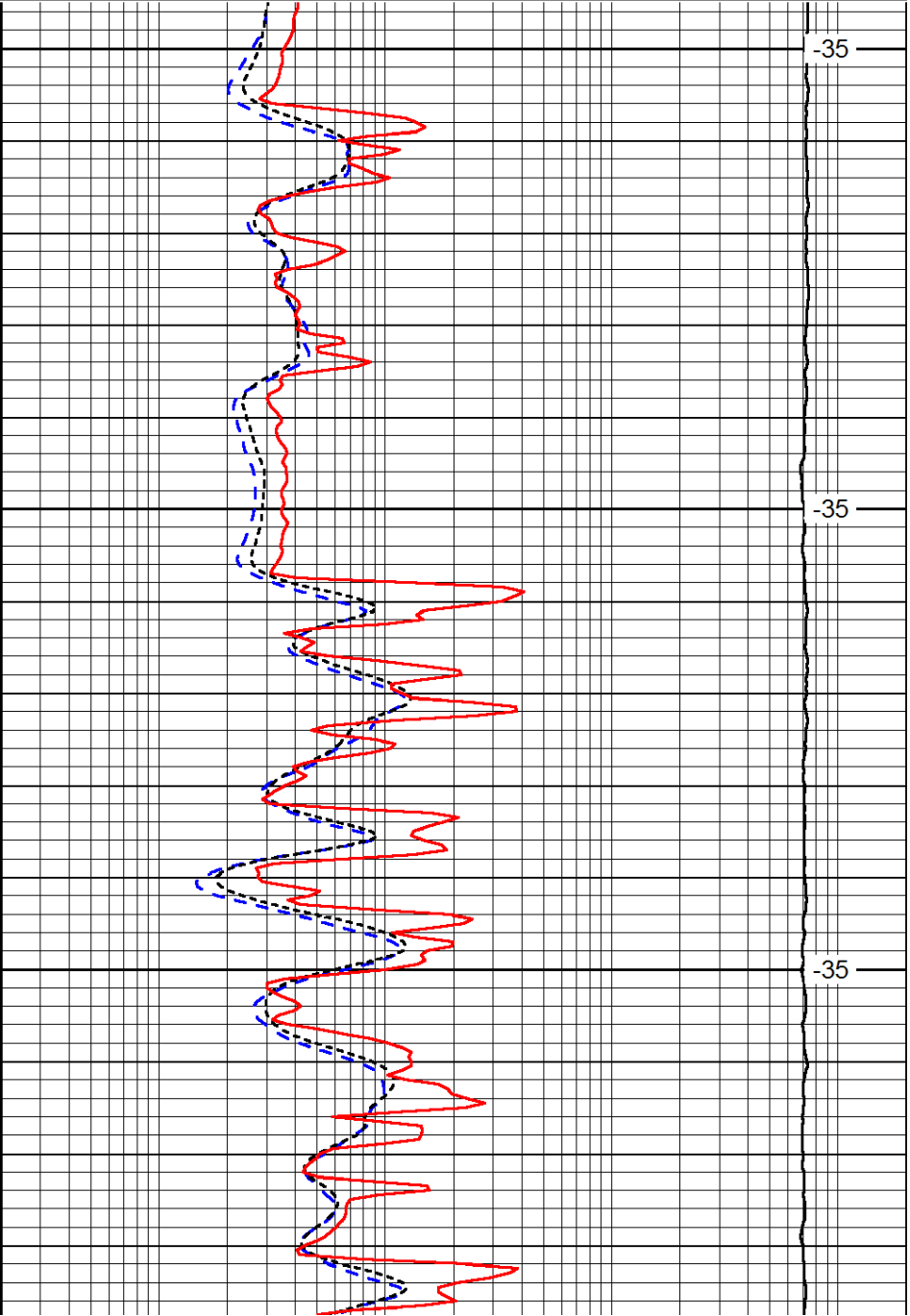
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-200	SP (mV)	0
-160	RxoRt	40
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0
		LSPD



3000

3050

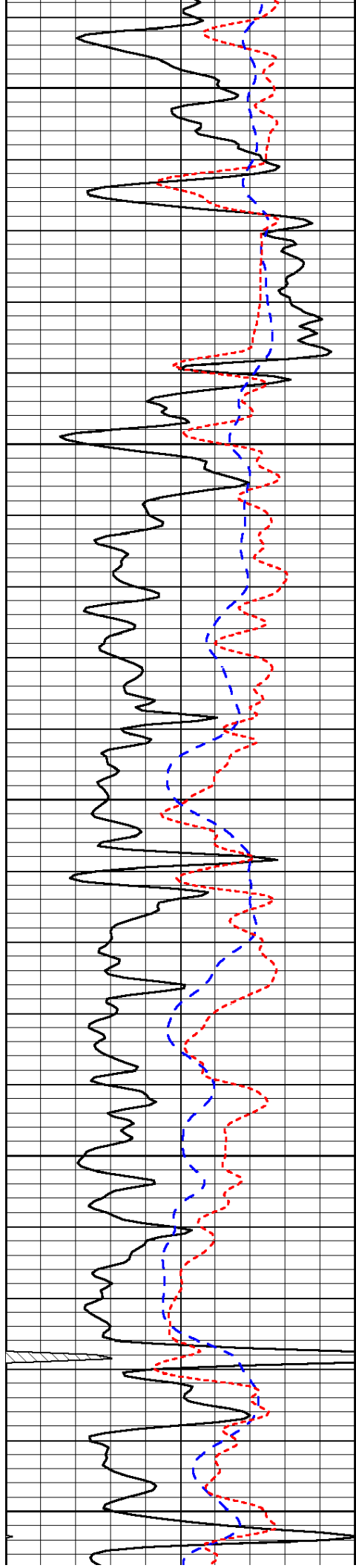
3100



-35

-35

-35



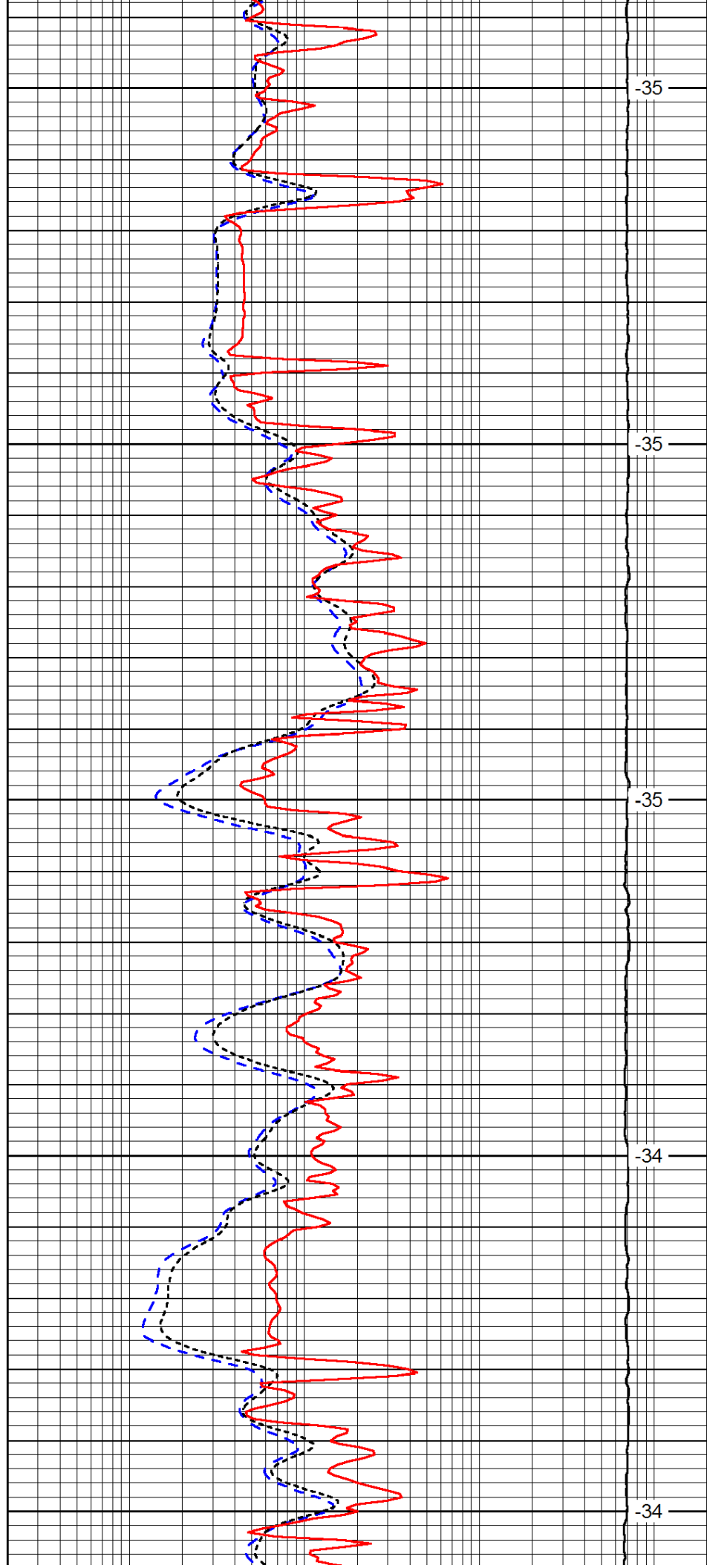
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3200

3250

3300

3350



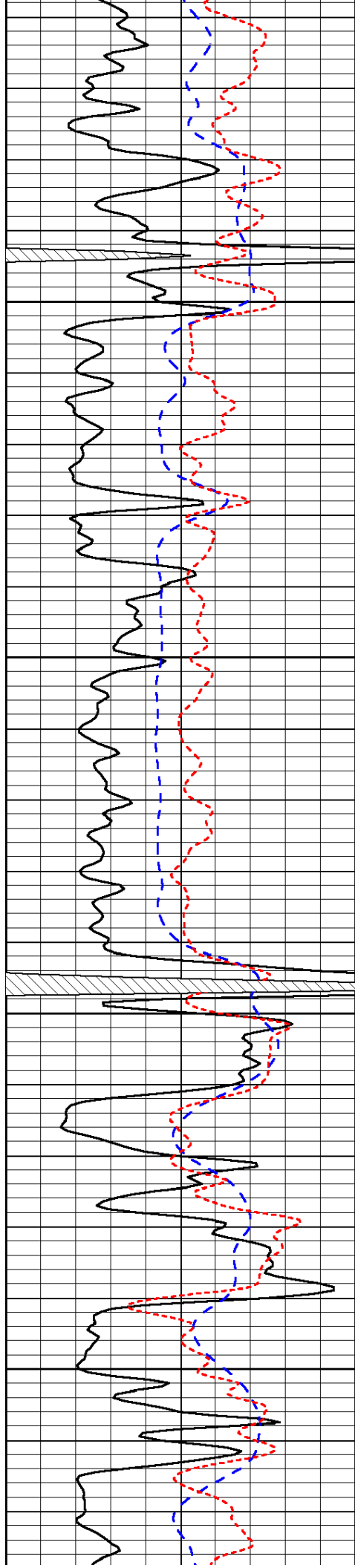
-35

-35

-35

-34

-34

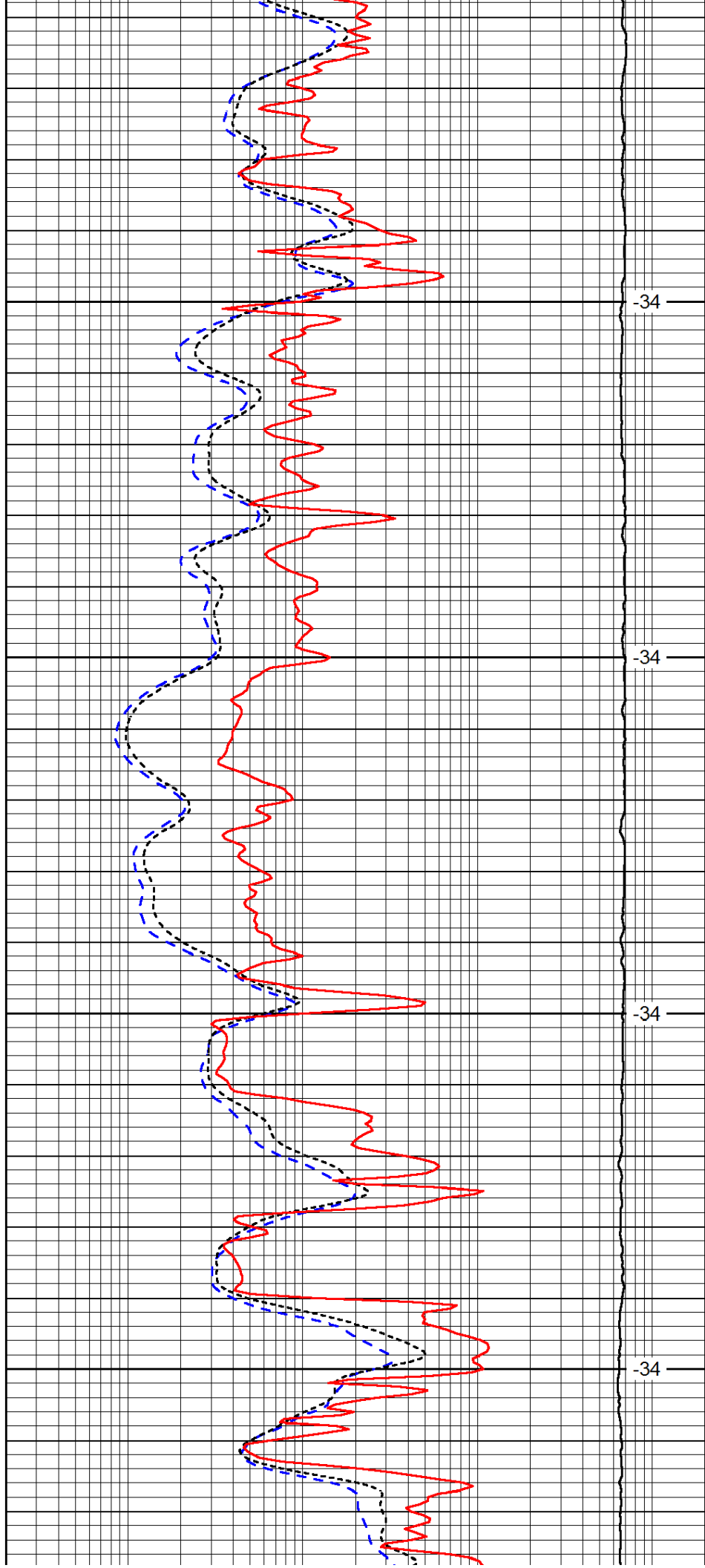


3400

3450

3500

3550

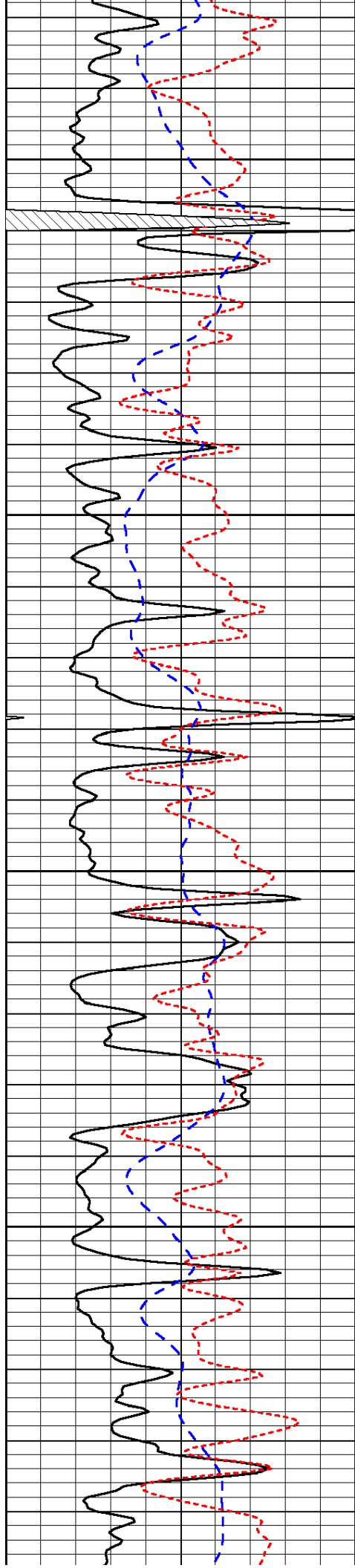


-34

-34

-34

-34

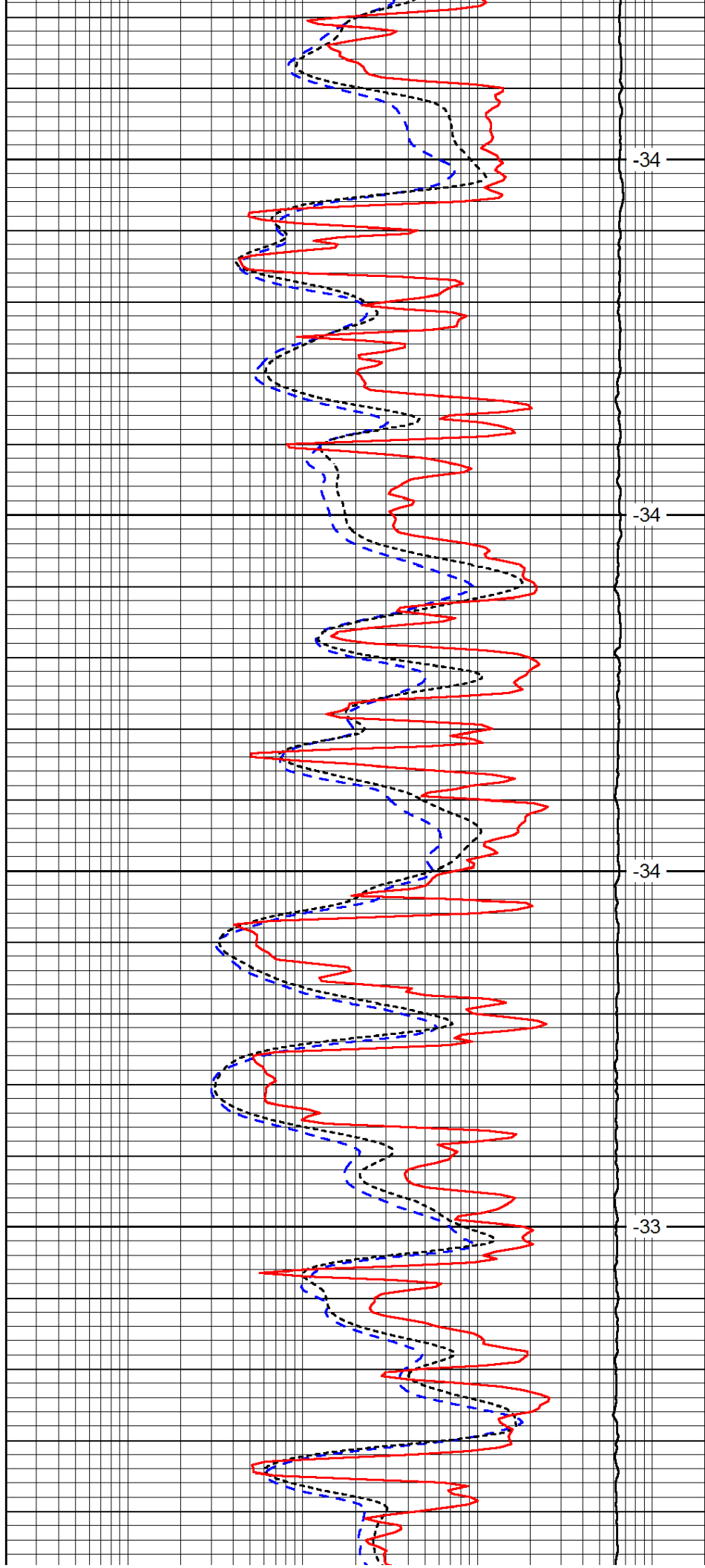


3600

3650

3700

3750

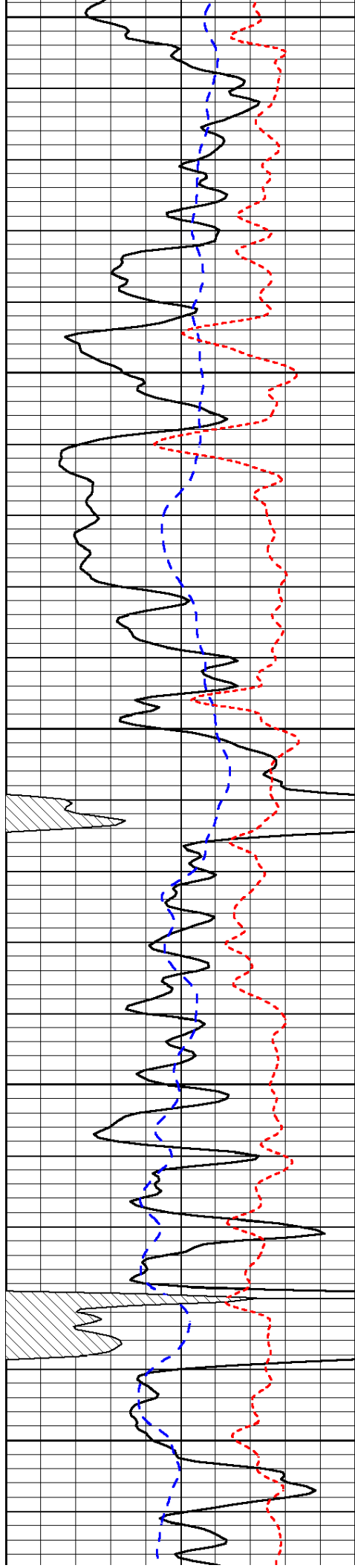


-34

-34

-34

-33



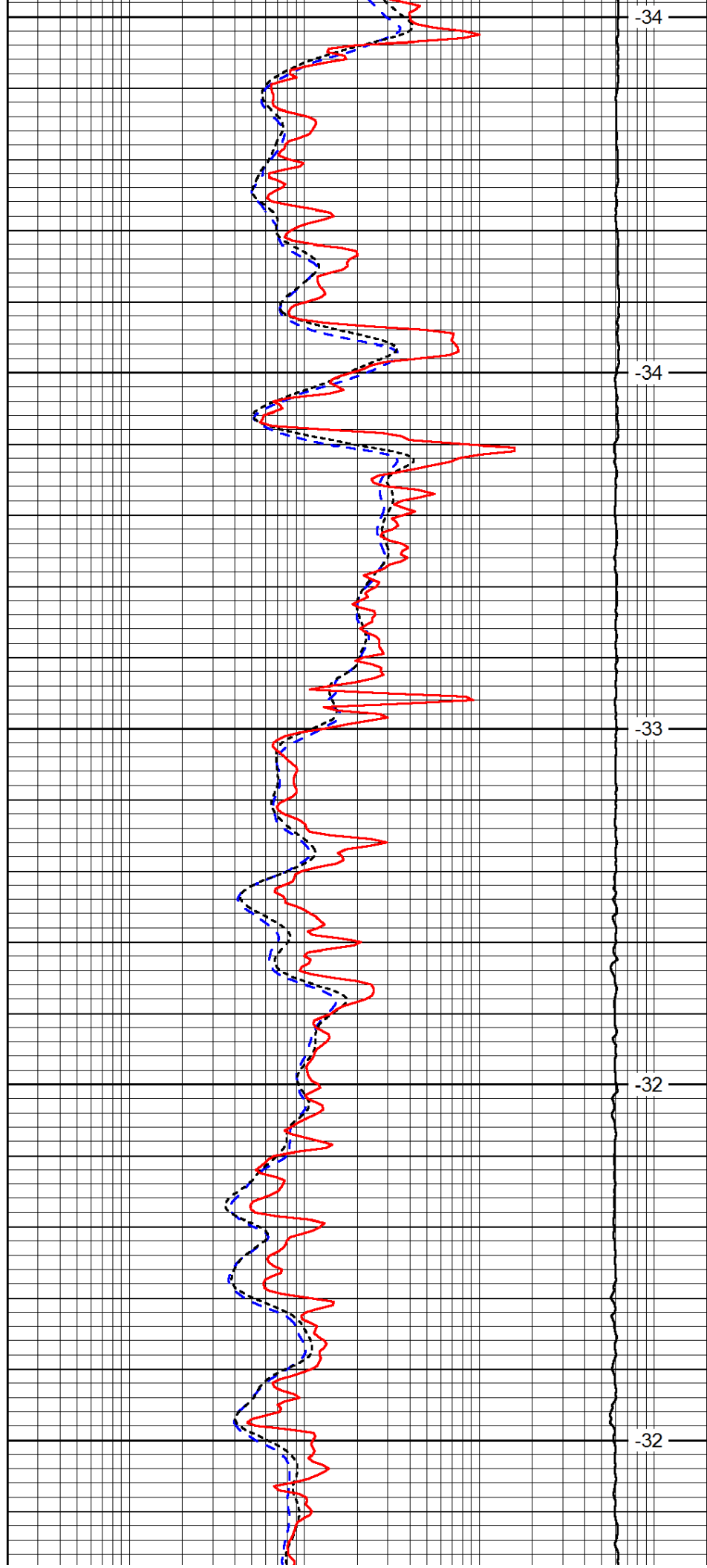
3800

3850

3900

3950

4000



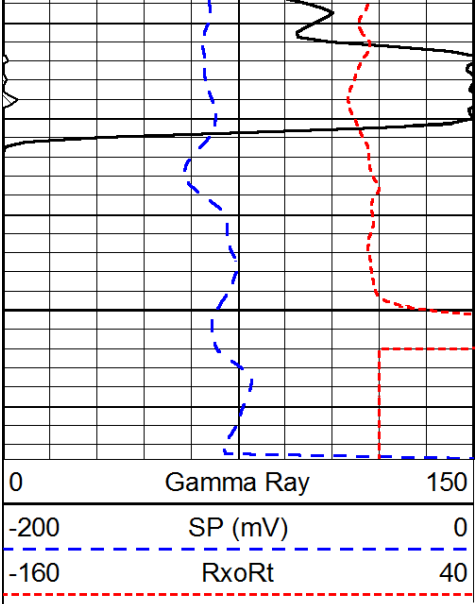
-34

-34

-33

-32

-32



4050

