



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.		Company L.D. Drilling, Inc. Well Mary S. No. 1-9 Field Knop County Barton State Kansas			
15-009-25,493-00-00		Location 2310' FSL & 528' FEL		Other Services CNL/CDL	
Sec: 9		Twp: 19 S		Rge: 12 W	
Permanent Datum		Ground Level		Elevation 1832	
Log Measured From		Kelly Bushing		5 Ft. Above Perm. Datum	
Drilling Measured From		Kelly Bushing		K.B. 1837 D.F. 1832 G.L. 1832	
Date		1/6/2011			
Run Number		One			
Depth Driller		3500			
Depth Logger		3499			
Bottom Logged Interval		3498			
Top Log Interval		300			
Casing Driller		8.625 @ 340			
Casing Logger		342			
Bit Size		7.875			
Type Fluid in Hole		Chemical			
Salinity, ppm CL		12,800			
Density / Viscosity		9.1	72		
pH / Fluid Loss		9.5	11.2		
Source of Sample		Flowline			
Rm @ Meas. Temp		.28 @ 65			
Rmf @ Meas. Temp		.21 @ 65			
Rmc @ Meas. Temp		.38 @ 65			
Source of Rmf / Rmc		Charts			
Rm @ BHT		.16 @ 113			
Operating Rig Time		4 Hours			
Max Rec. Temp. F		113			
Equipment Number		4			
Location		Hays			
Recorded By		K. Bange			
Witnessed By		Kim Shoemaker			

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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 Log-Tech, Inc.
(785) 625-3858

Hoisington, S to BCCC rd., 8 E (across 156 Hwy.) 3/4 E to NE 70 rd, N into

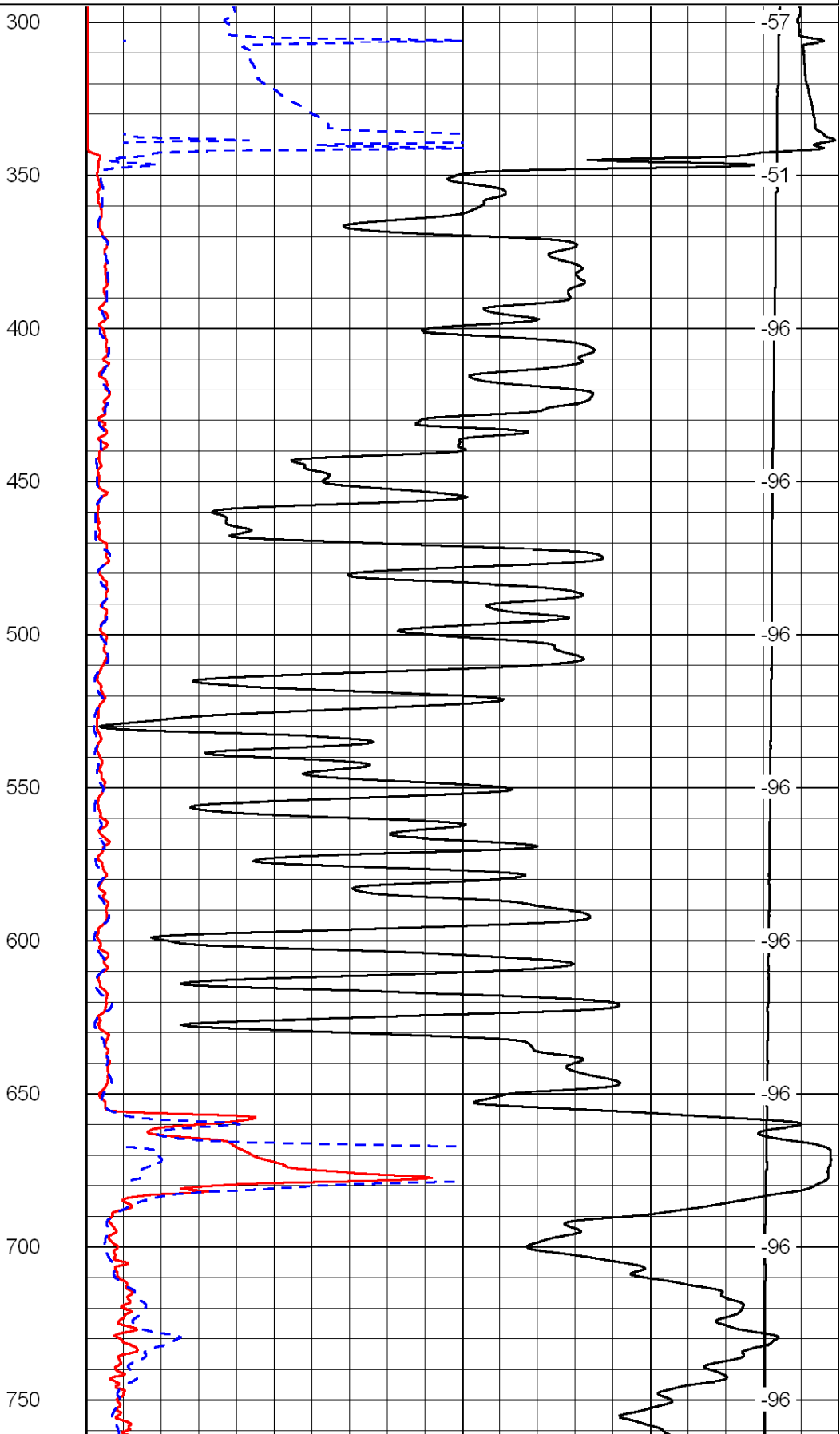
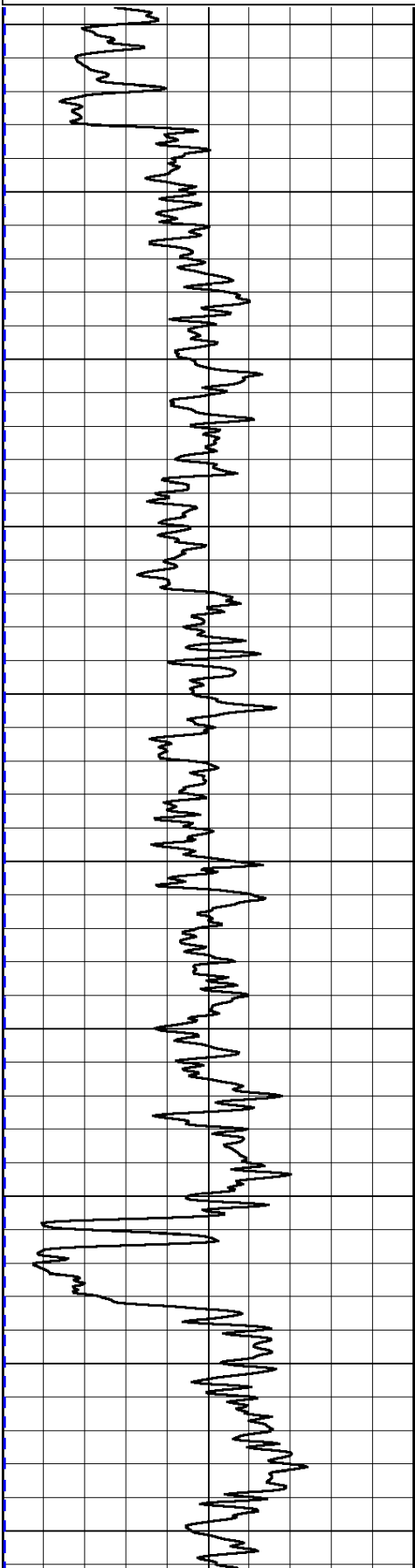
0	Gamma Ray	150
-200	SP (mV)	0

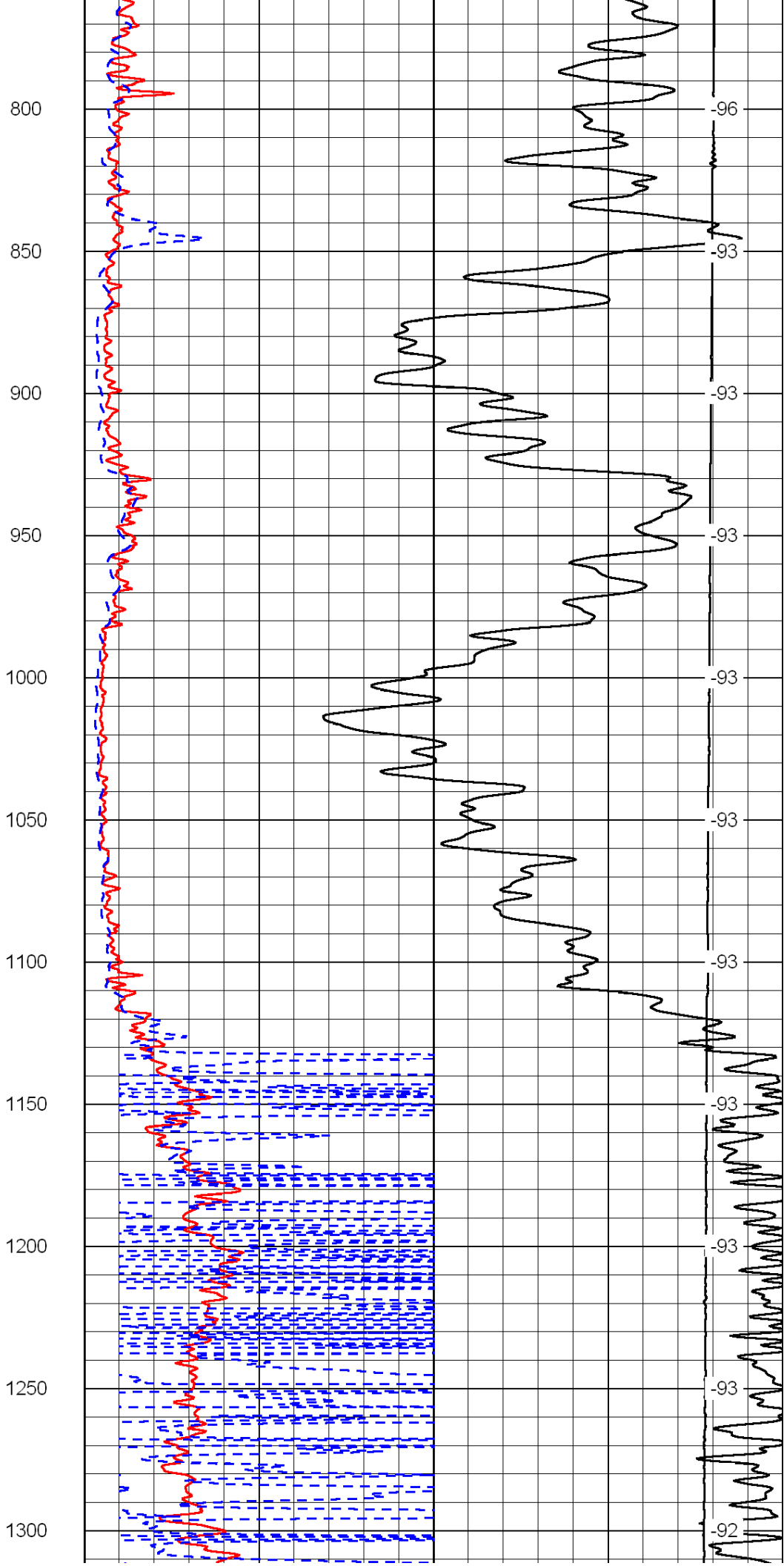
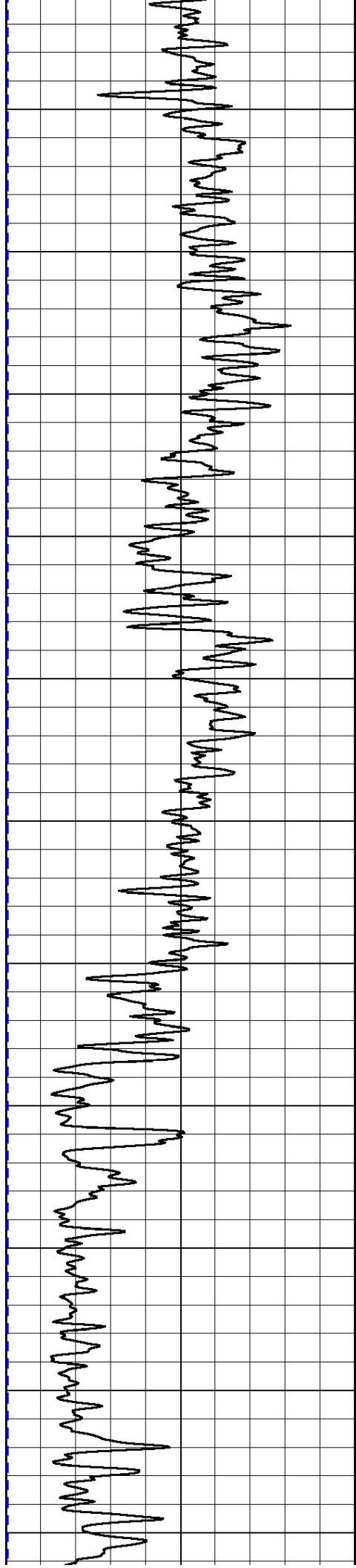
0	Shallow Resistivity	50
0	Deep Resistivity	50

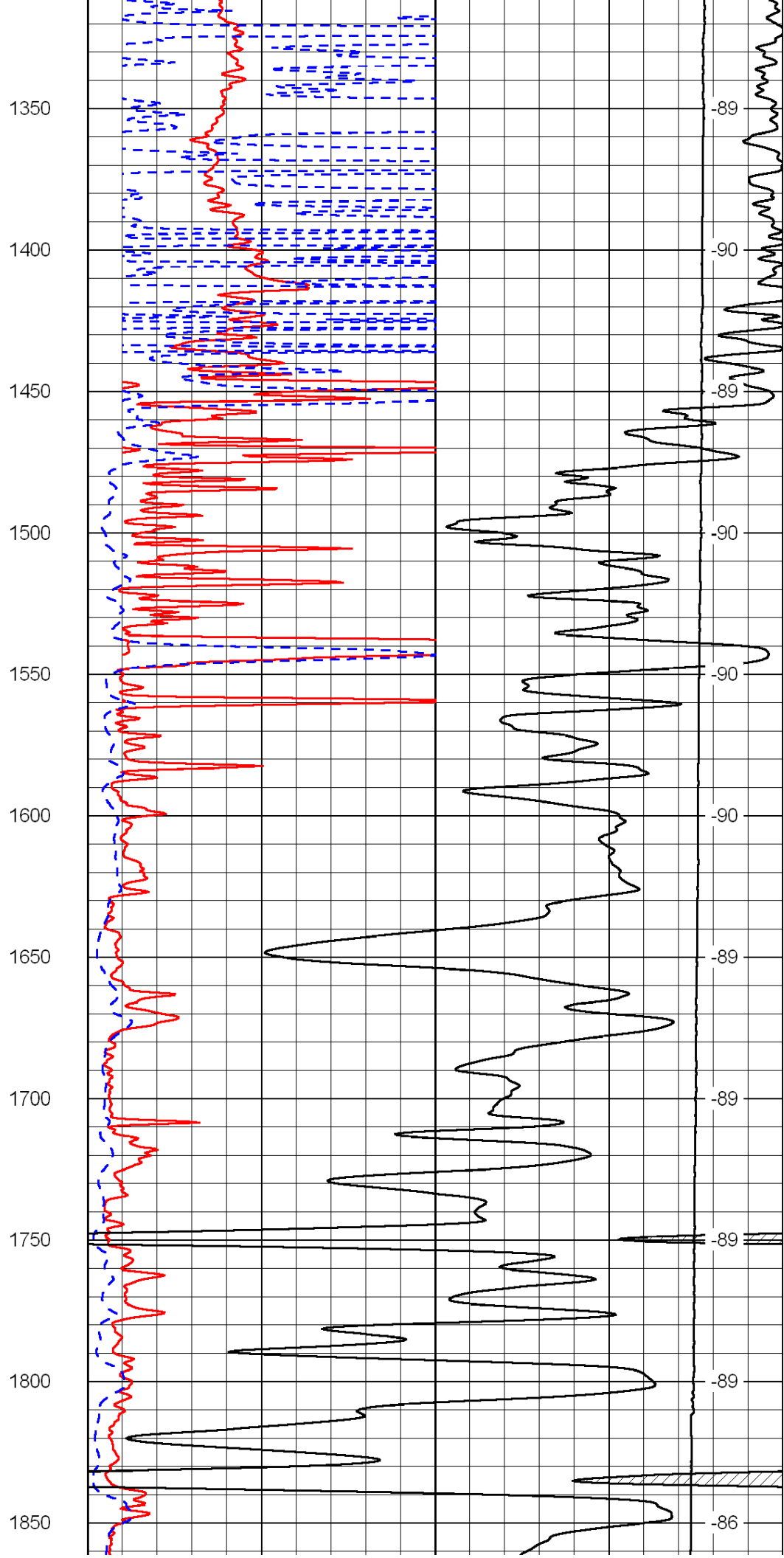
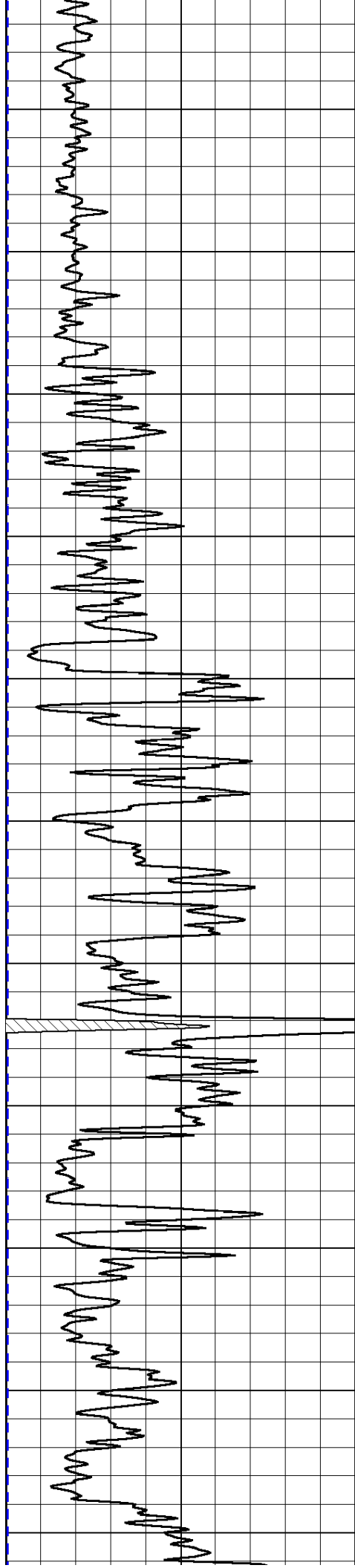
LSPD

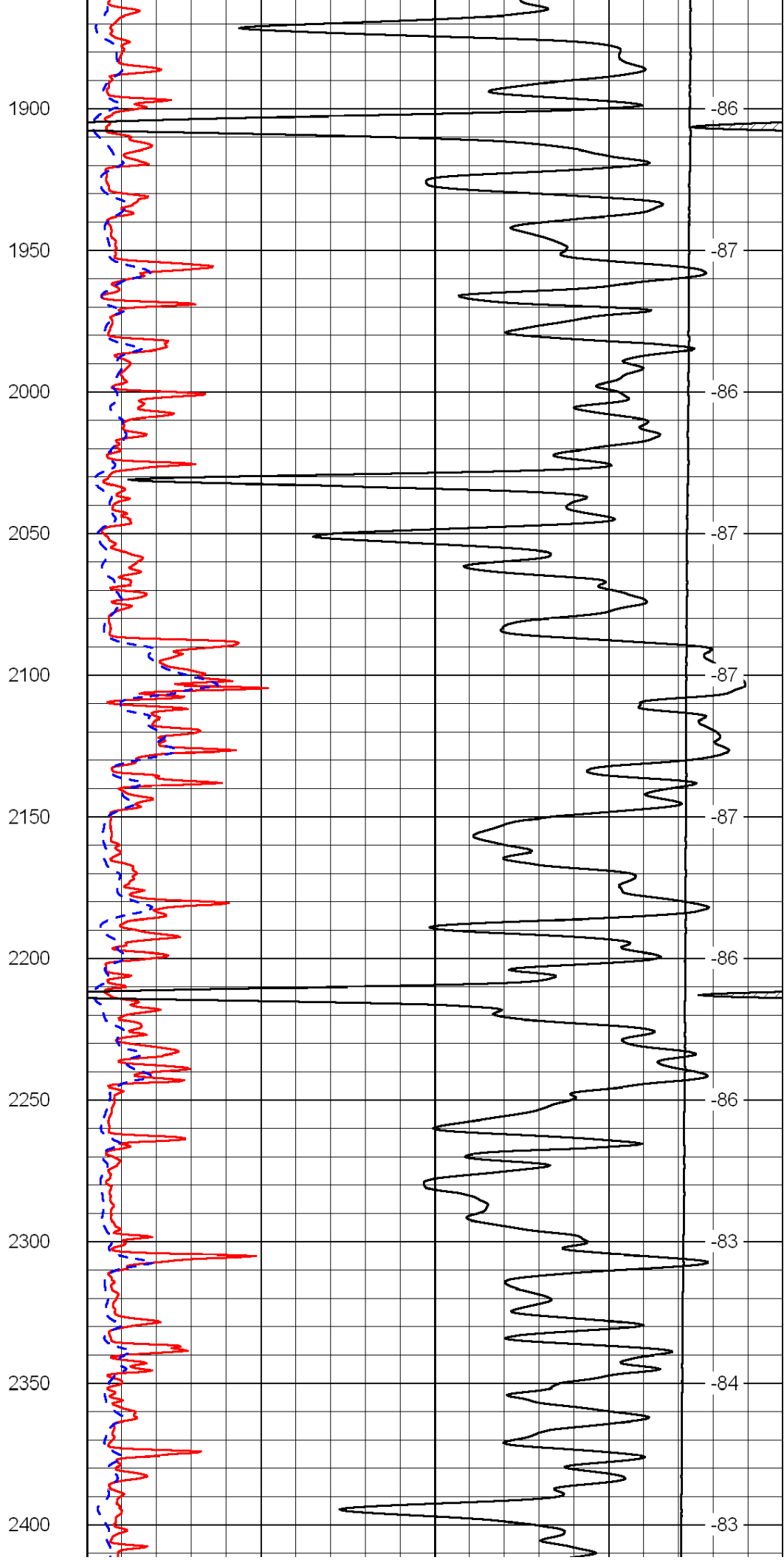
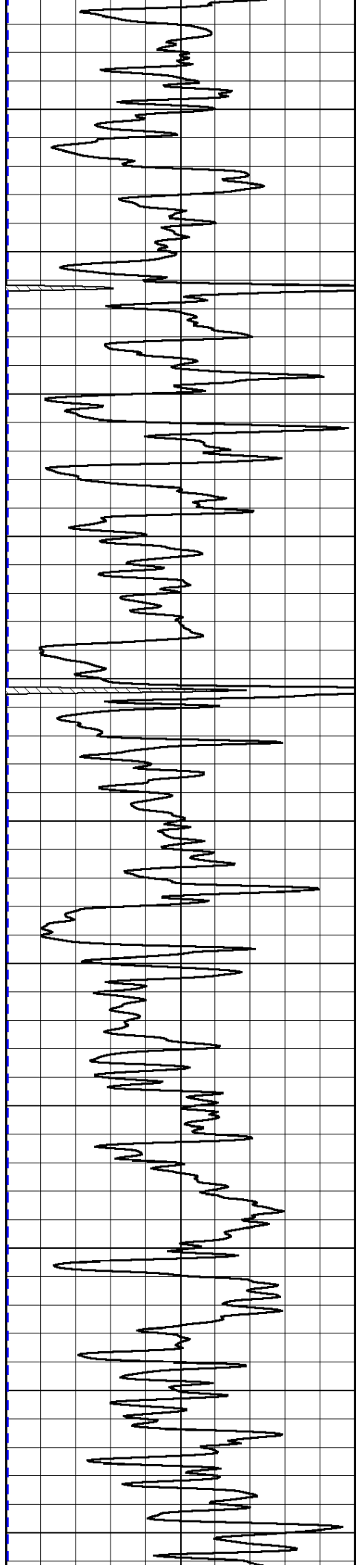
1000	Conductivity	0
15000	Line Tension	0

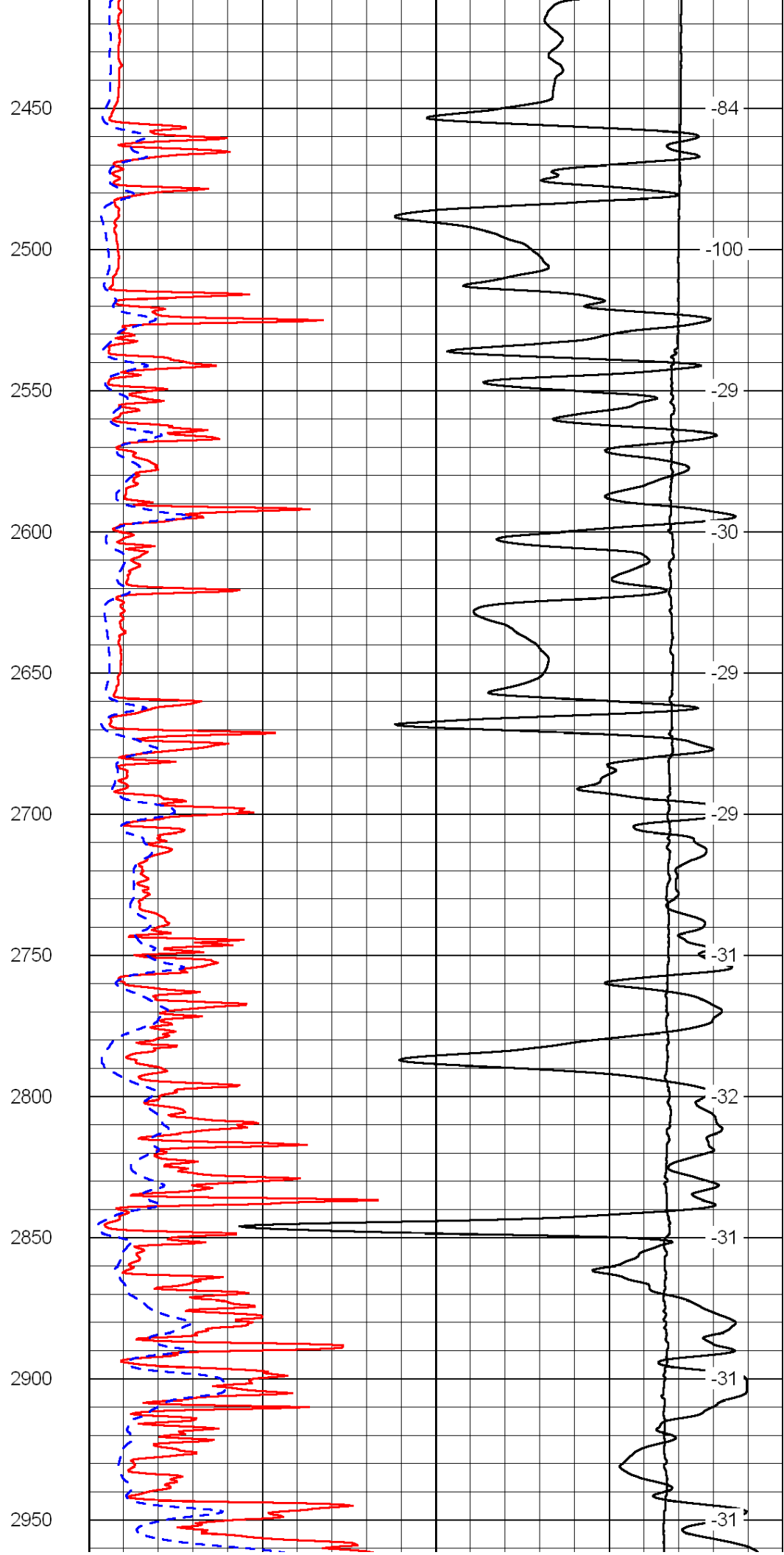
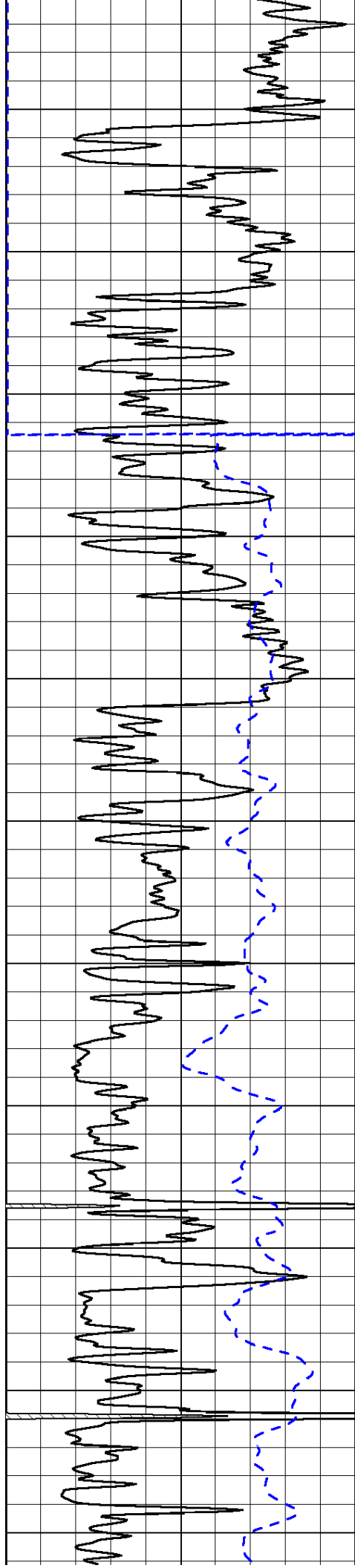
50	Shallow Resistivity	500
50	Deep Resistivity	500

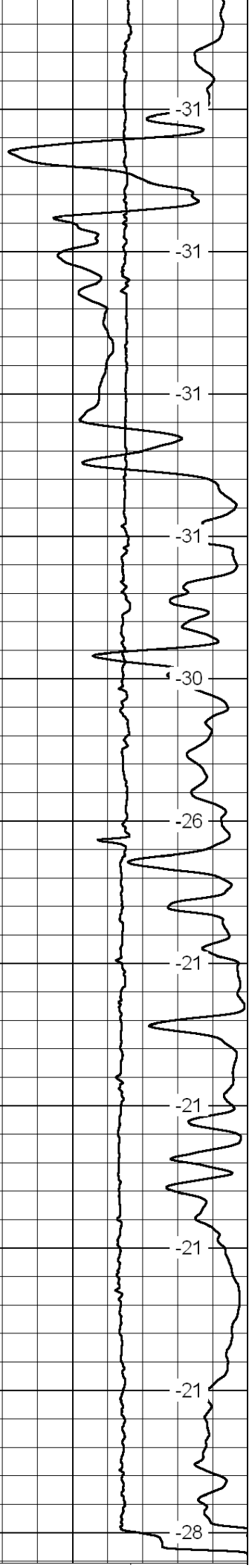
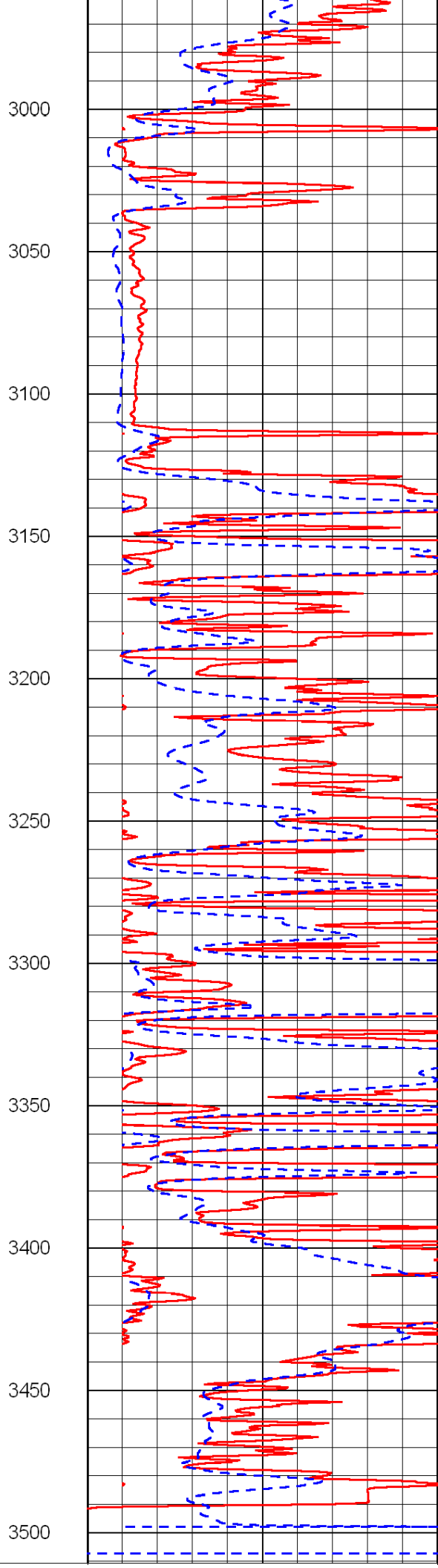
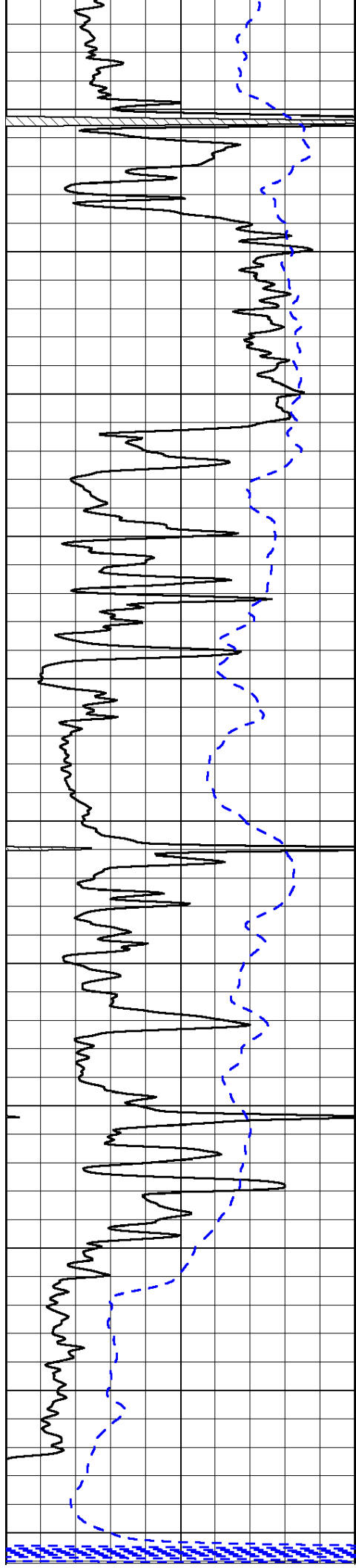




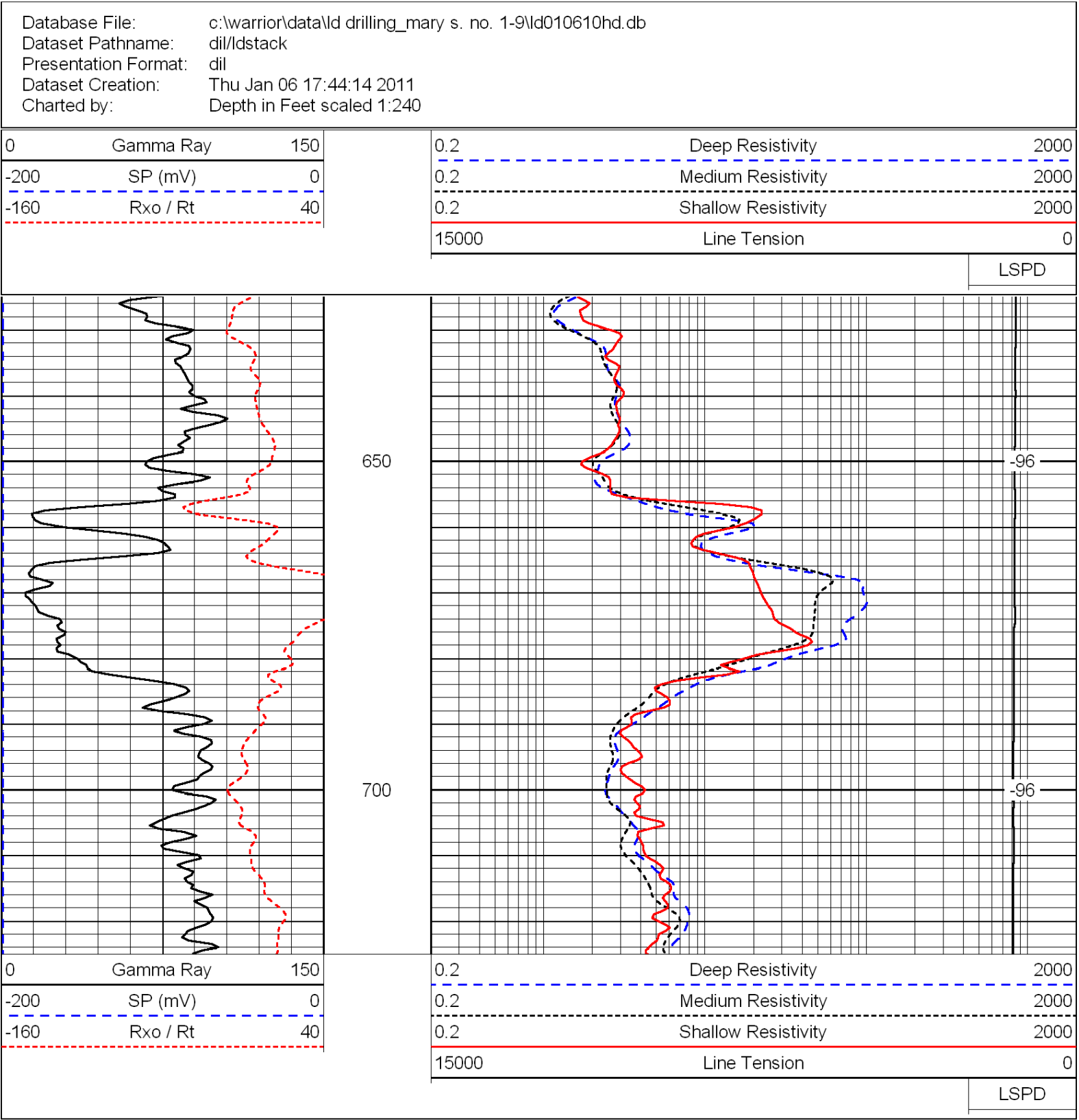






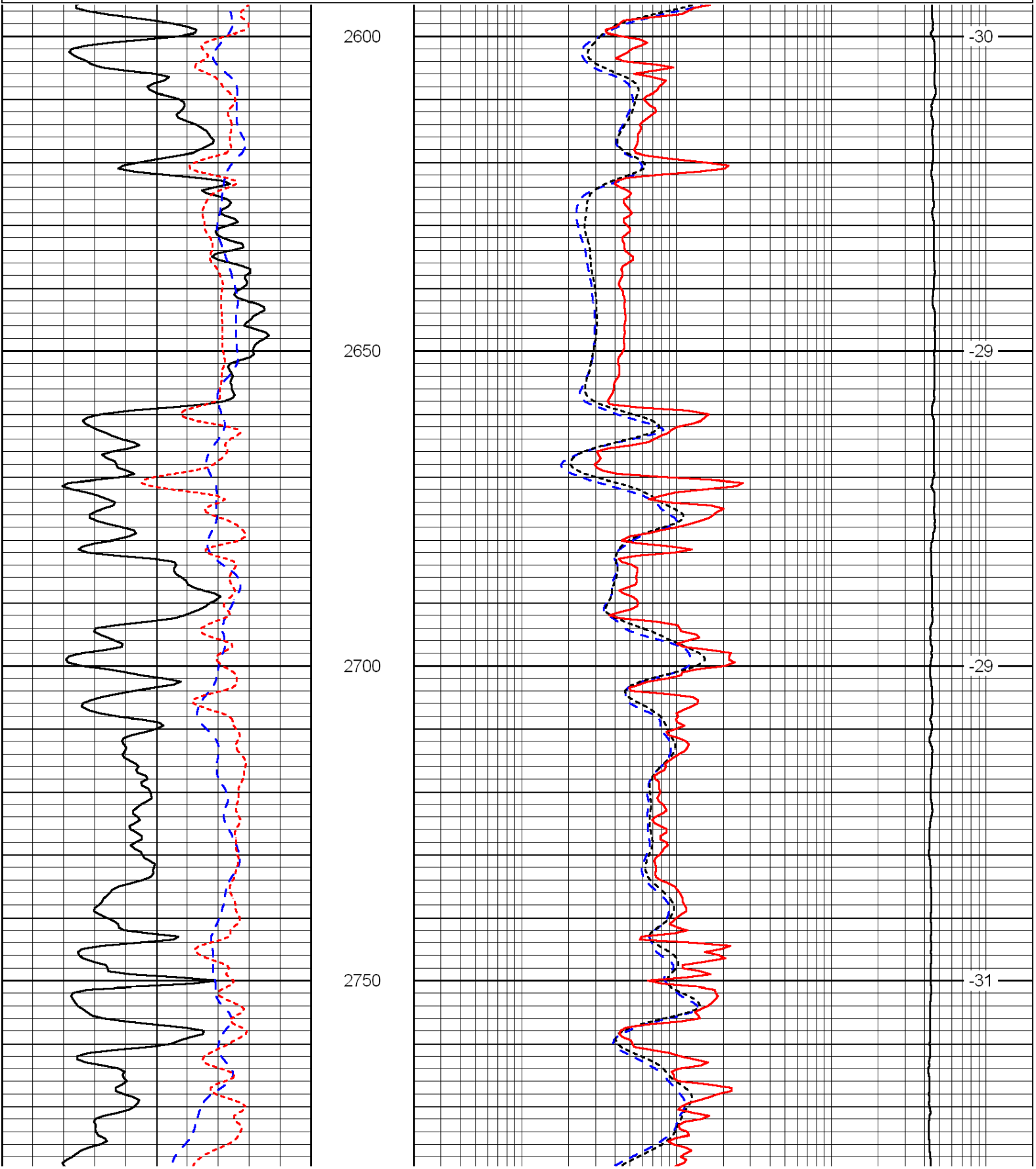


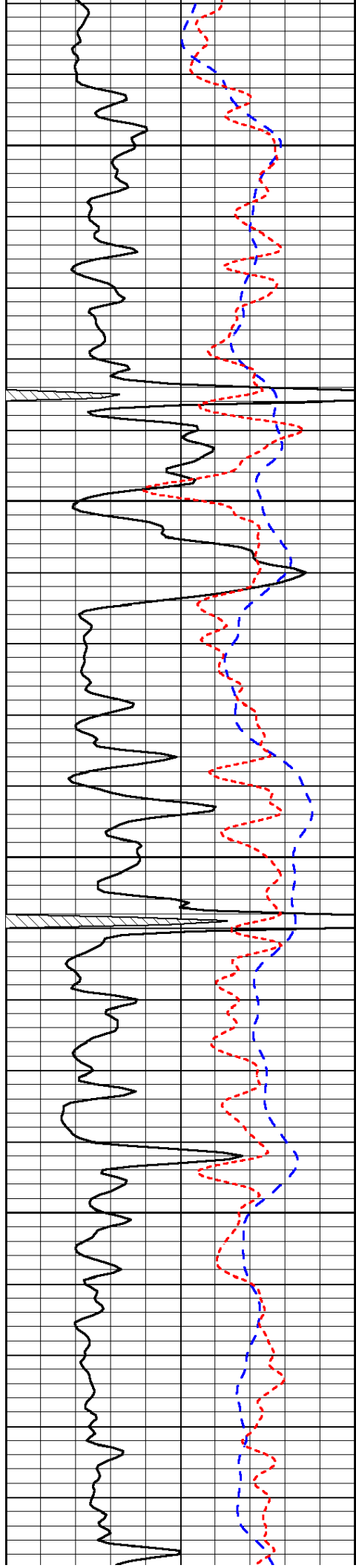
0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD
-200	SP (mV)	0	0	Deep Resistivity	50	
1000					Conductivity	0
15000					Line Tension	0
50	Shallow Resistivity	500				
50	Deep Resistivity	500				



Database File:	c:\warrior\data\ld drilling_mary s. no. 1-9\ld010610hd.db
Dataset Pathname:	dil\ldstack
Presentation Format:	dil

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
-160	Rxo / Rt	40	0.2	Shallow Resistivity	2000
			15000	Line Tension	0
					LSPD





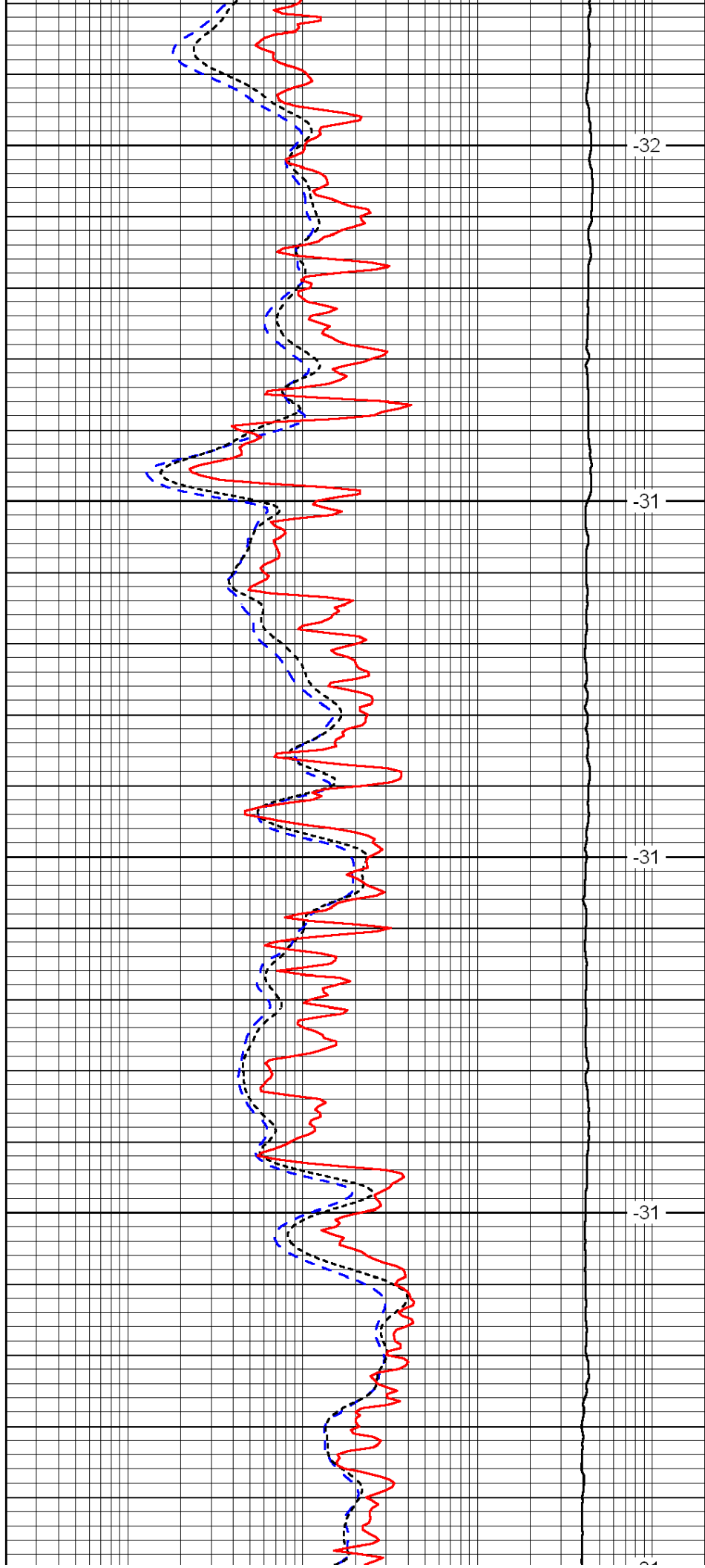
2800

2850

2900

2950

3000



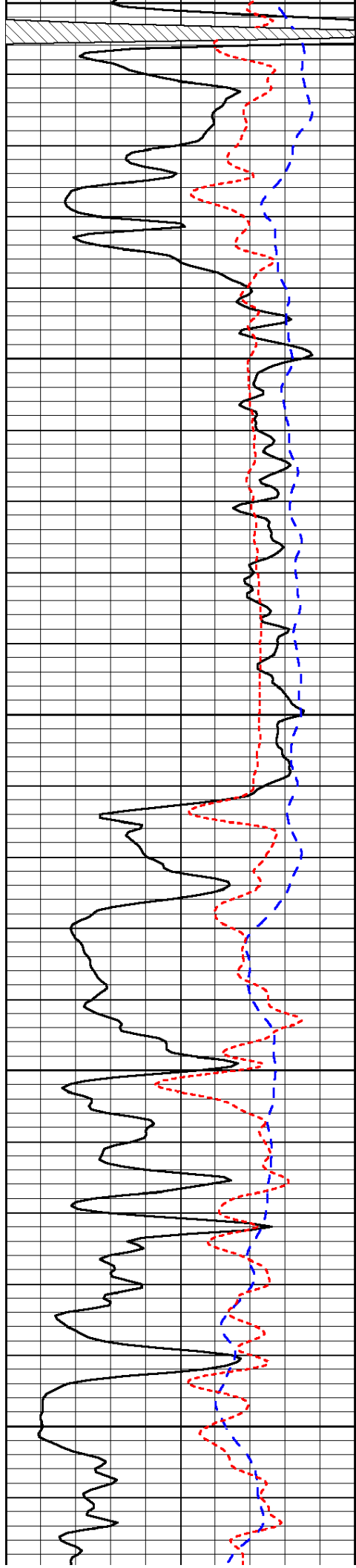
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-31

-31

-31

-30



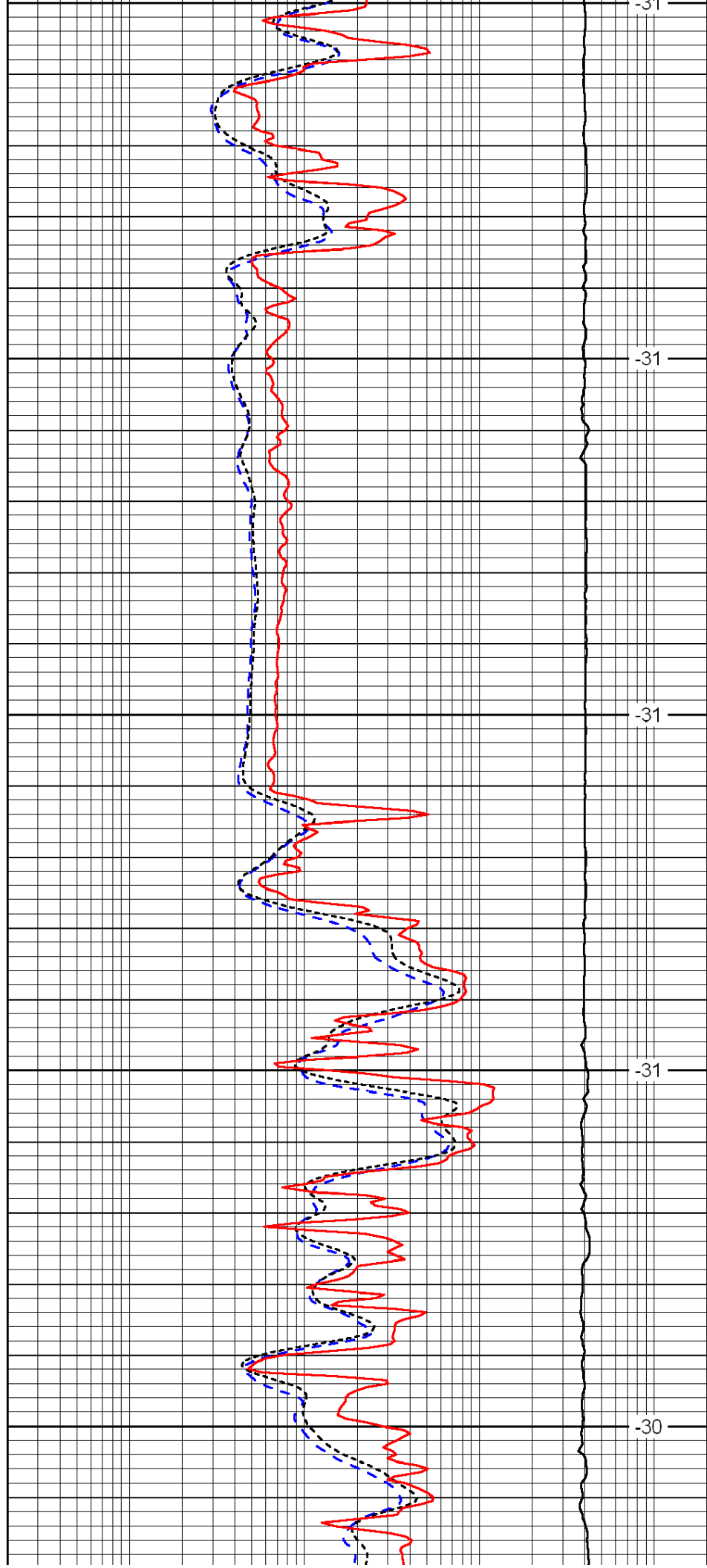
3000

3050

3100

3150

3200



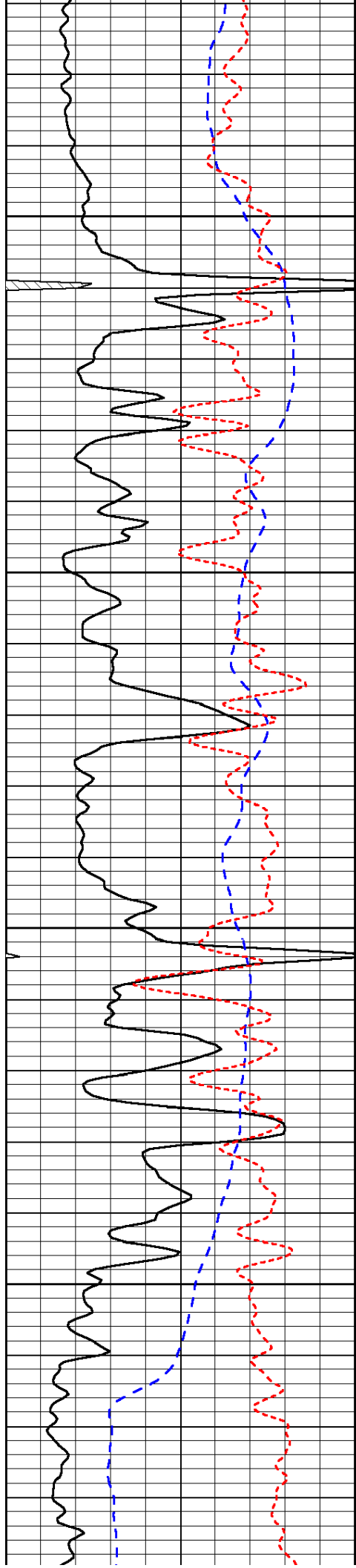
-31

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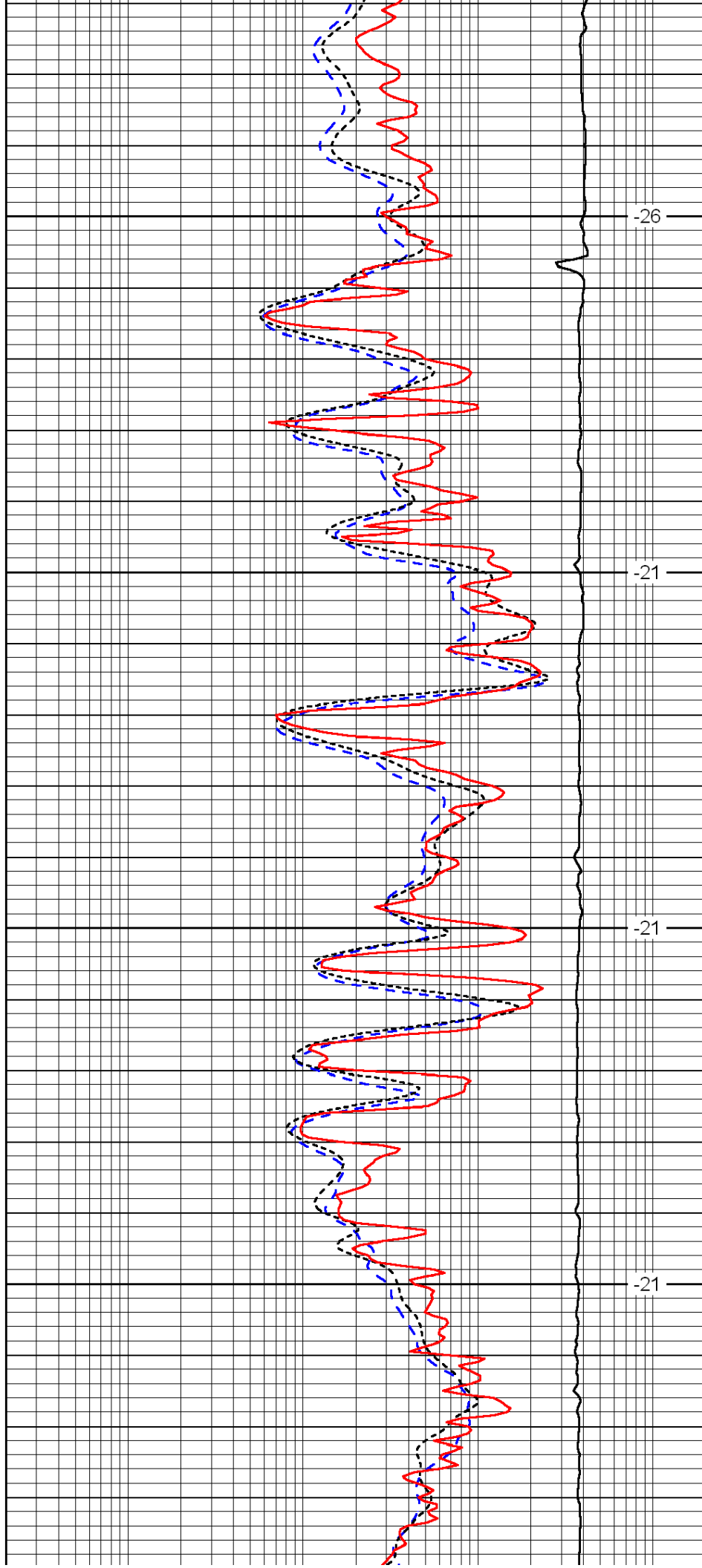


3250

3300

3350

3400

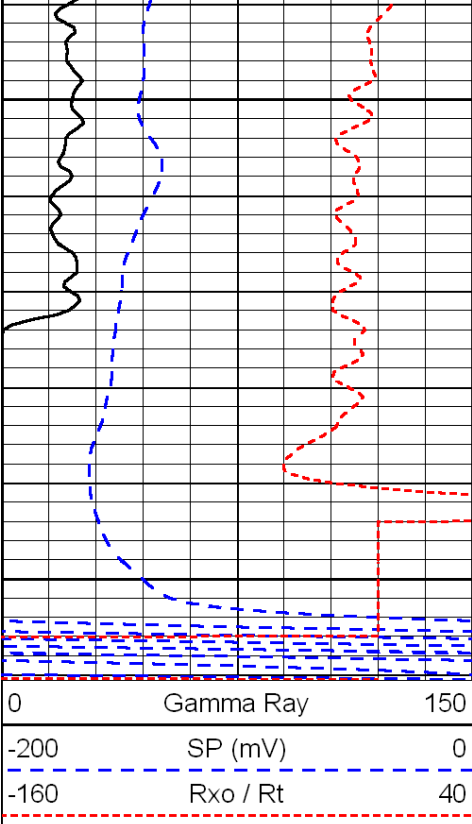


-26

-21

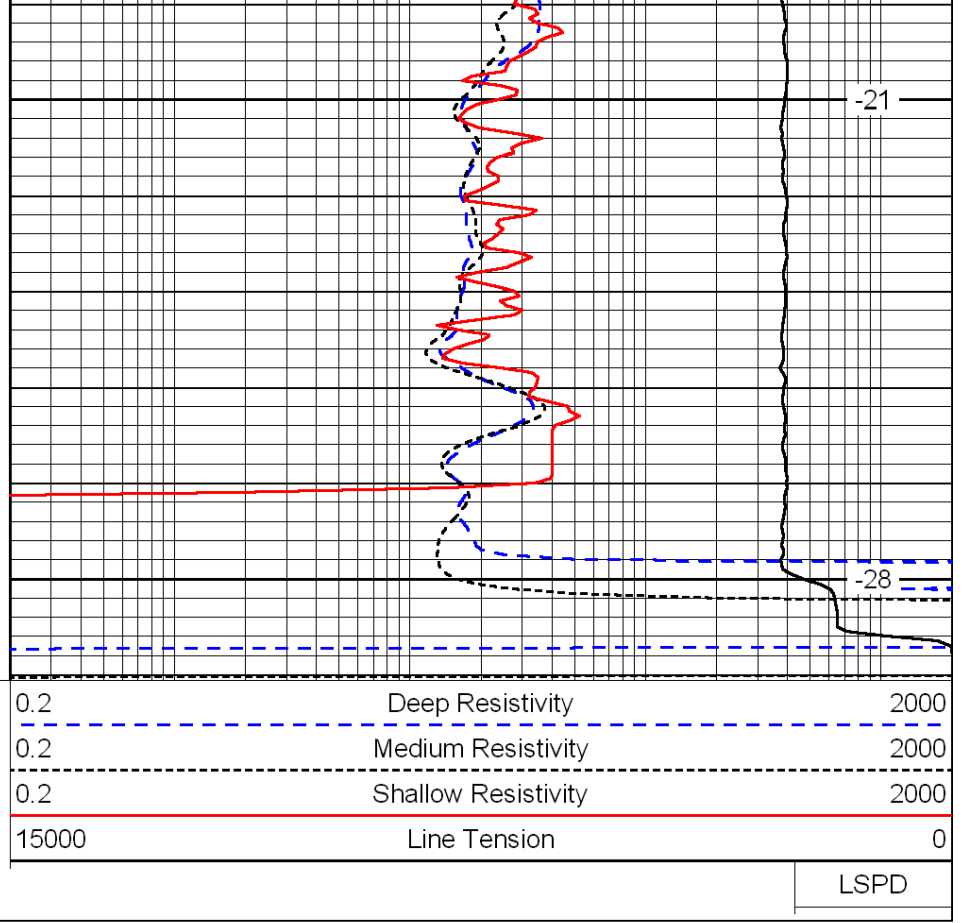
-21

-21



3450

3500



-21

-28