



Pioneer Energy Services

Dual Compensated Porosity Log

15-145-21,685-00-00

API No.	Company	Carmen Schmitt, Inc.
	Well	Tombaugh Unit No. 1
	Field	Wildcat
	County	Pawnee
	State	Kansas
	Location	230' FSL & 2440' FWL
	Sec: 26	Twp: 20S Rge: 20W
Permanent Datum	Ground Level	Elevation 2145
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	9/8/2012	Elevation
Run Number	One	K.B. 2150
Type Log	CNL / CDL	D.F. 2145
Depth Driller	4280	G.L. 2145
Depth Logger	4257	
Bottom Logged Interval	4255	
Top Logged Interval	2000	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	7,200	
Density Level	9.4	
Level	Full	
Max. Rec. Temp. F	119	
Operating Rig Time	5 Hours	
Equipment -- Location	17 Days	
Recorded By	C. Desaire	
Witnessed By	Marc Downing	

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	1228	8.625	24#	00	1228
2	7.875	1228	4280				

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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

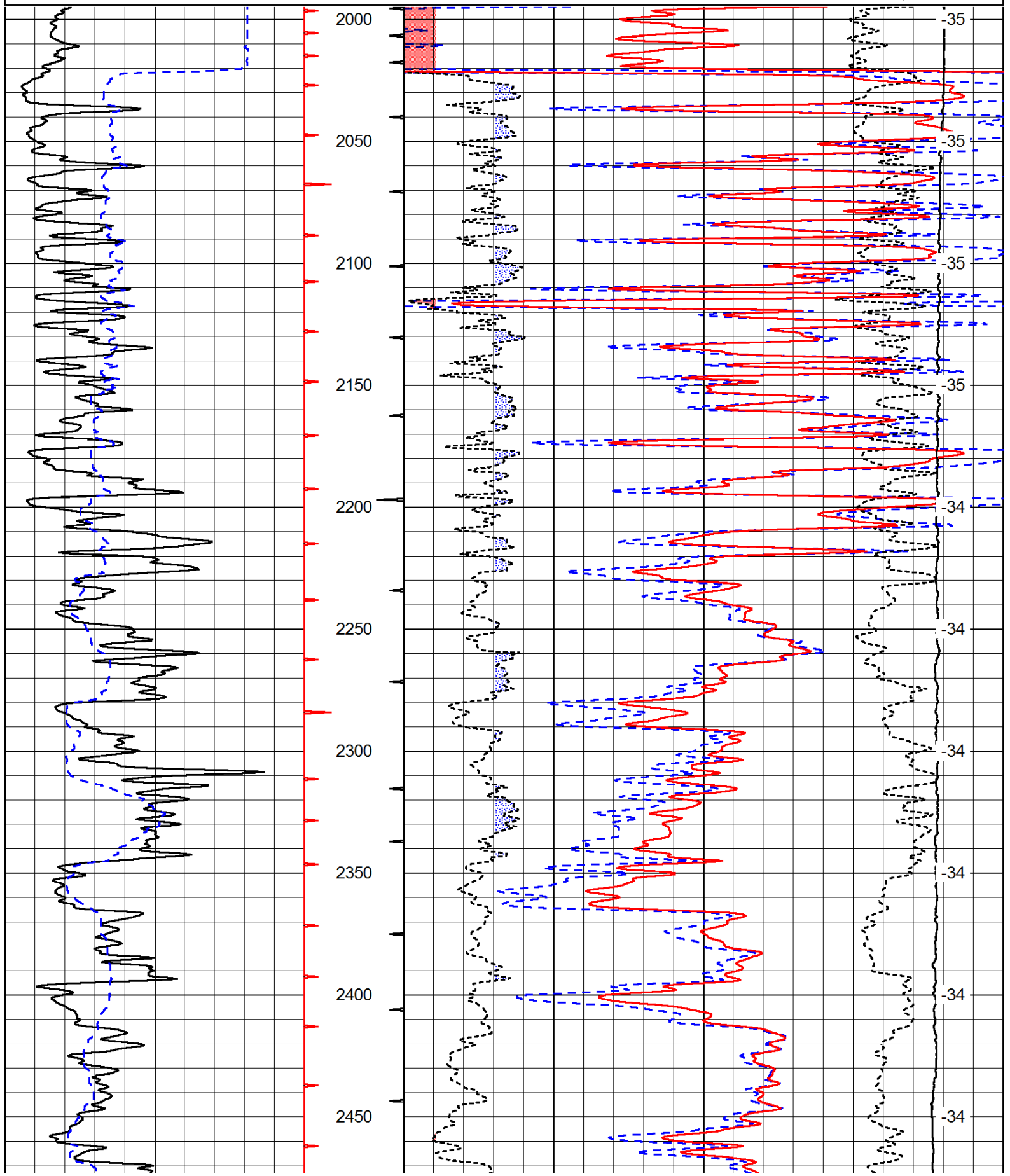
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

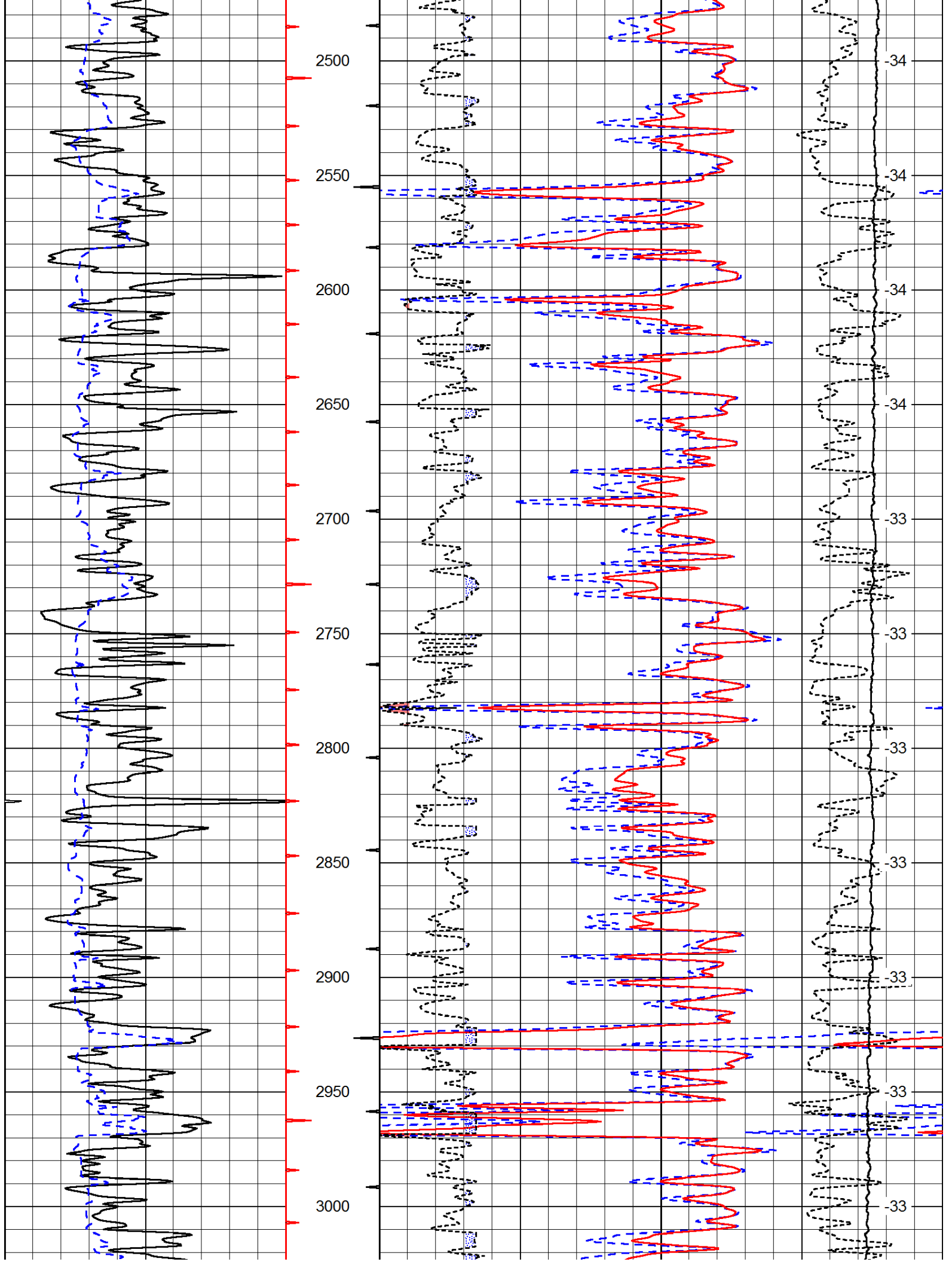
Alexander KS, 13 S to U Rd, 2 1/2 E, N Into

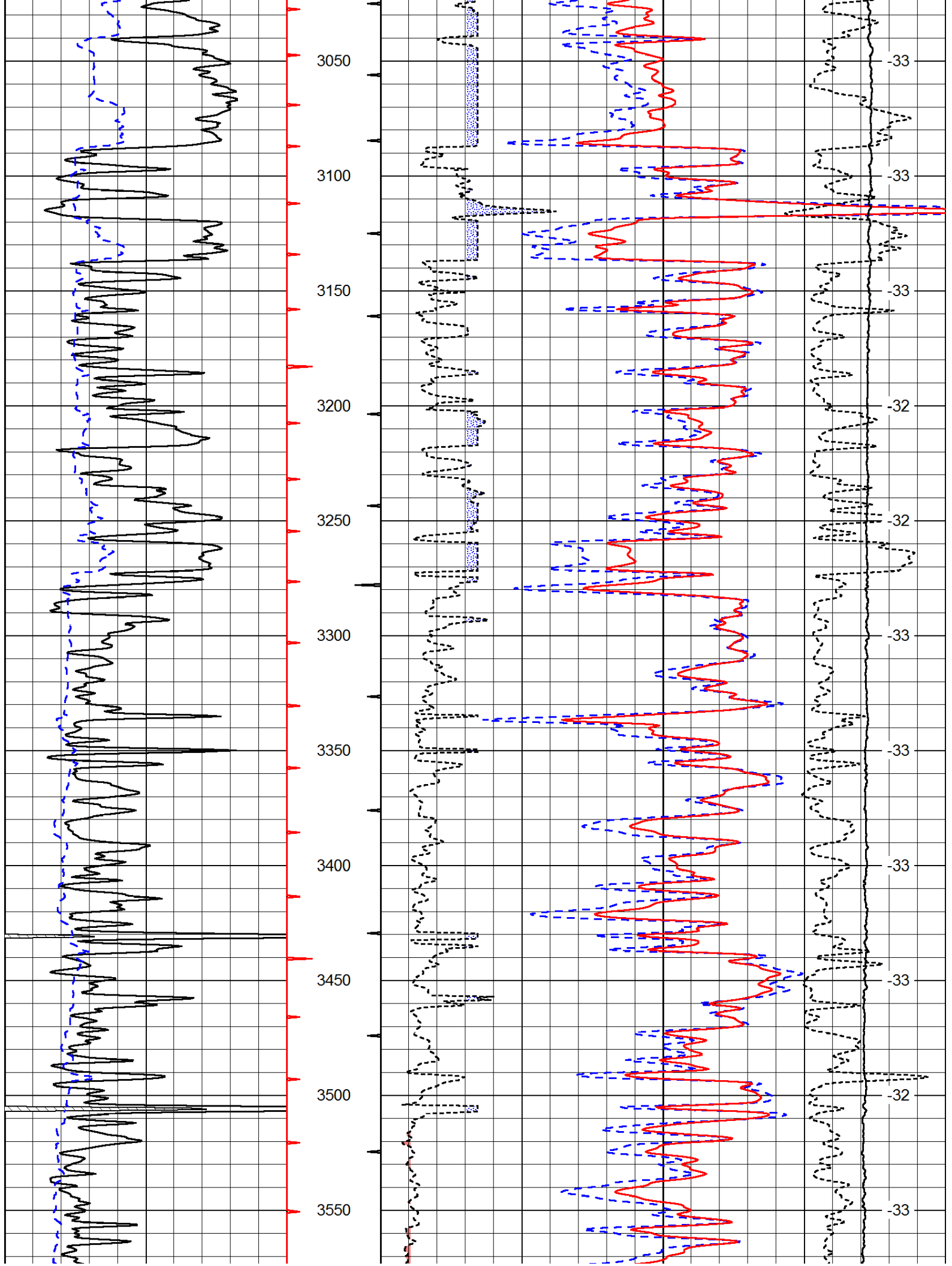
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 Presentation Format: cdl
 Dataset Creation: Sat Sep 08 14:40:57 2012
 Charted by: Depth in Feet scaled 1:600

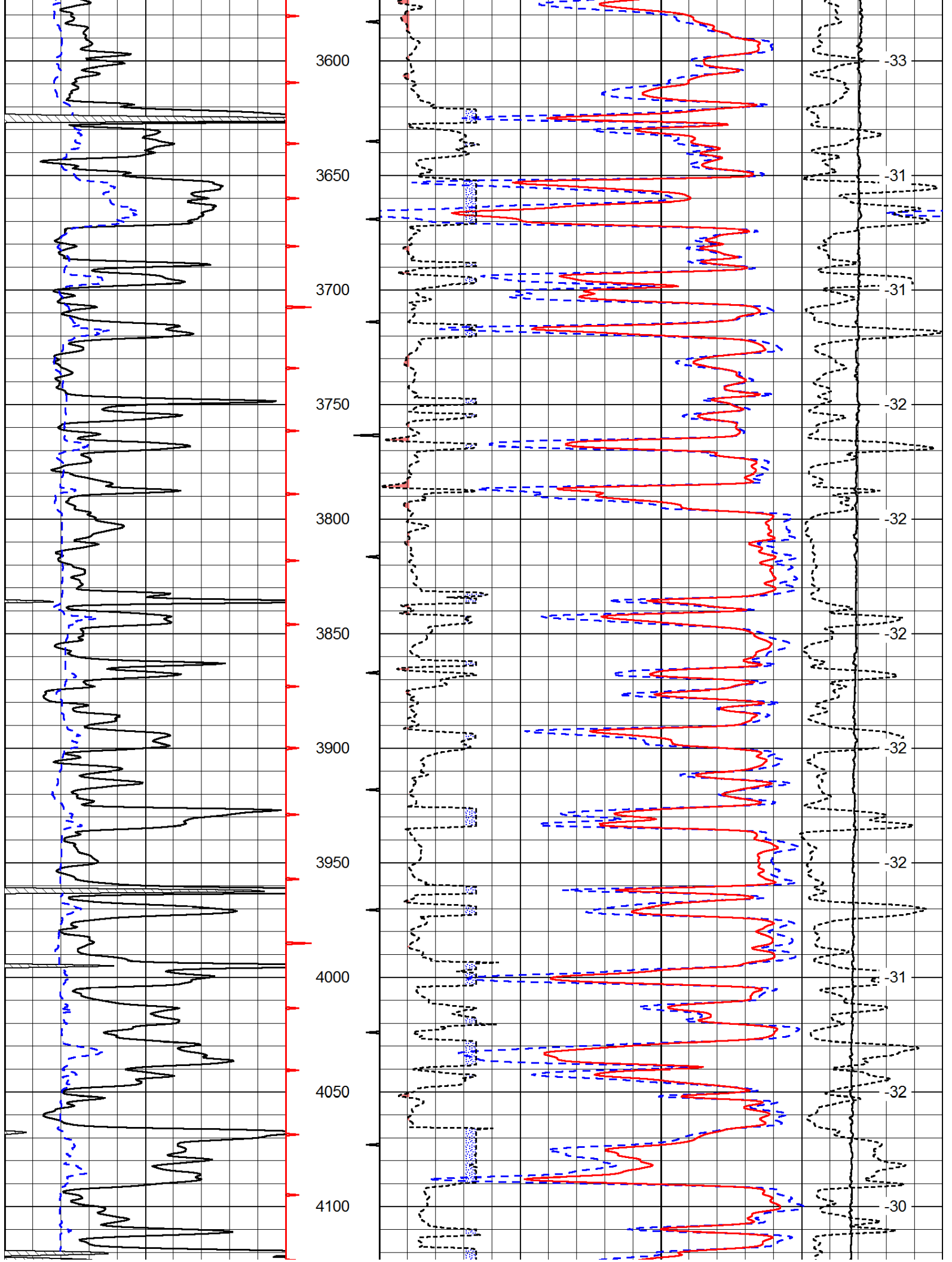
0	Gamma Ray	150
6	Caliper (GAPI)	16

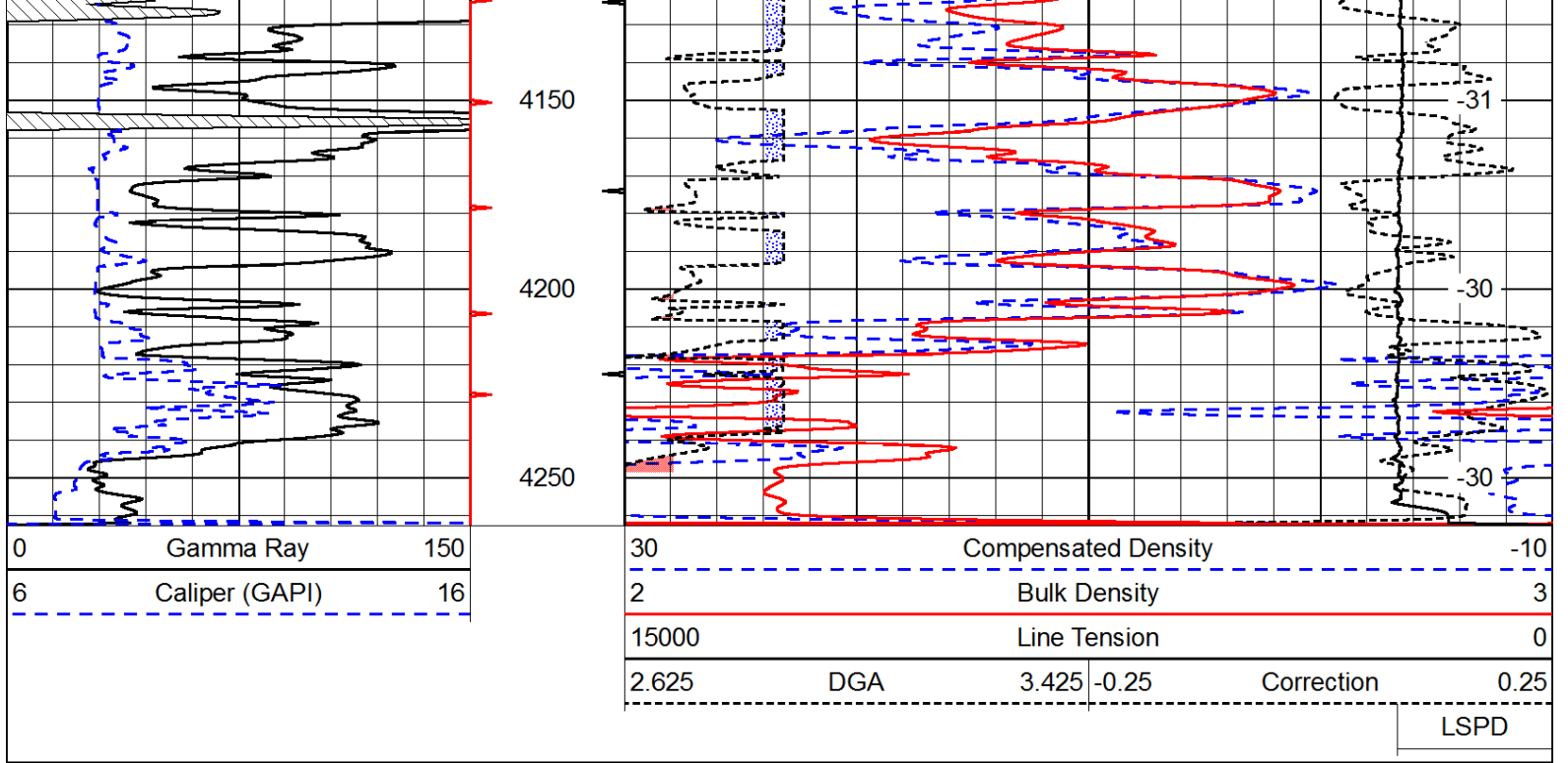
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
			Correction
			0.25
LSPD			



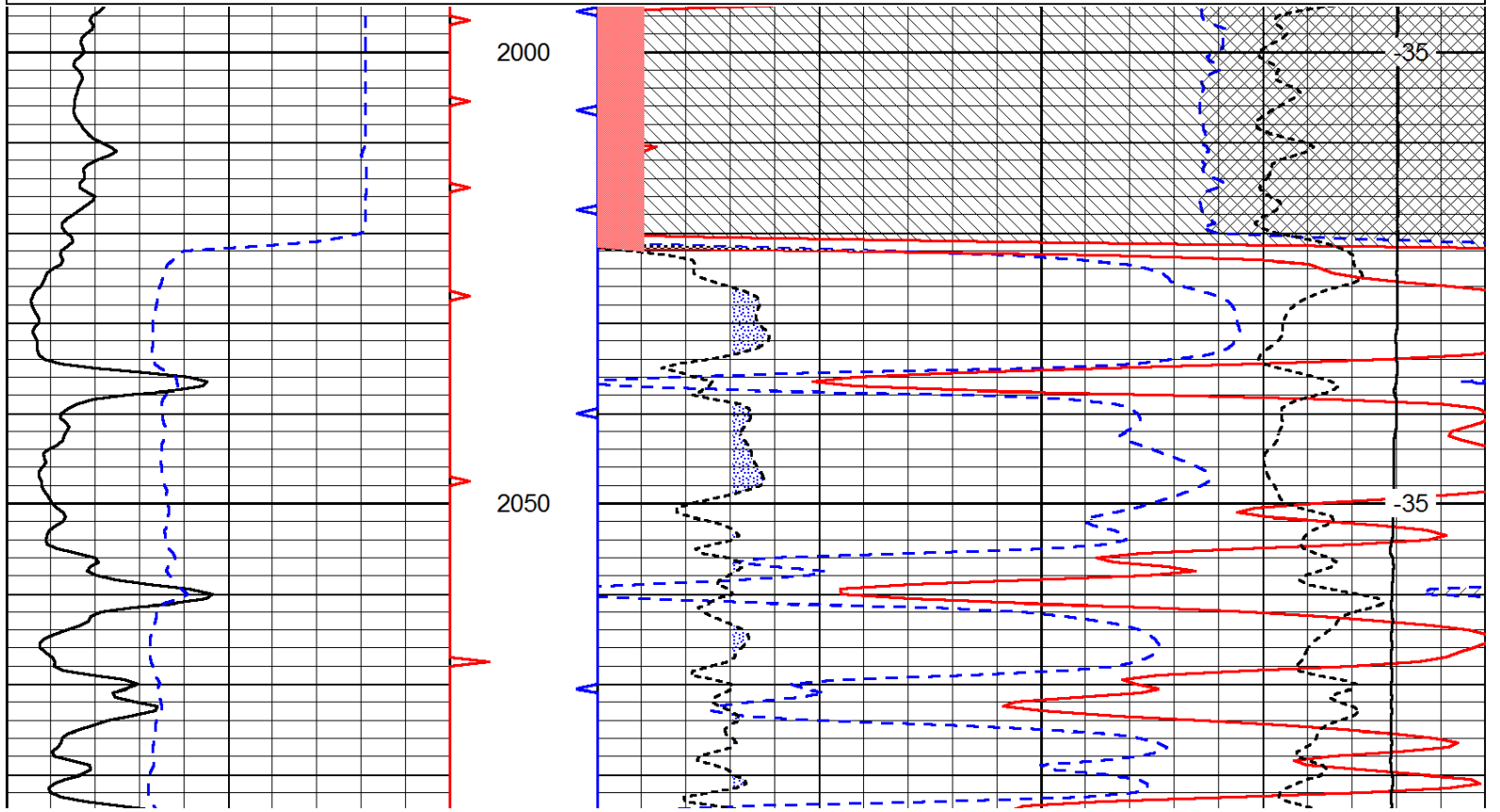
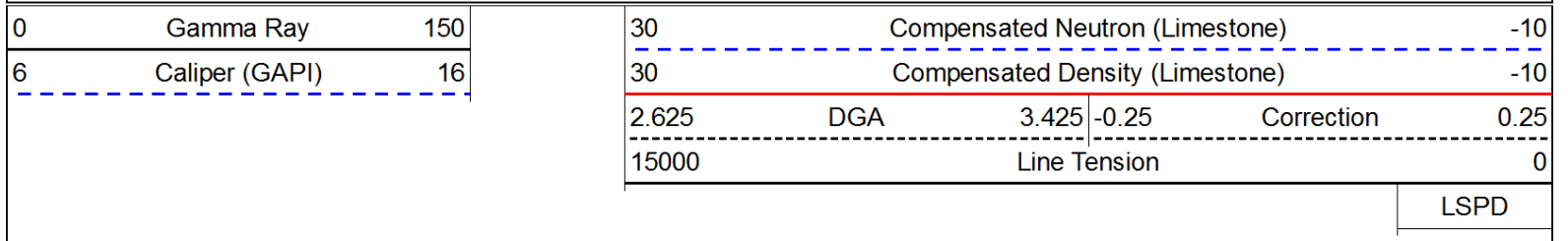


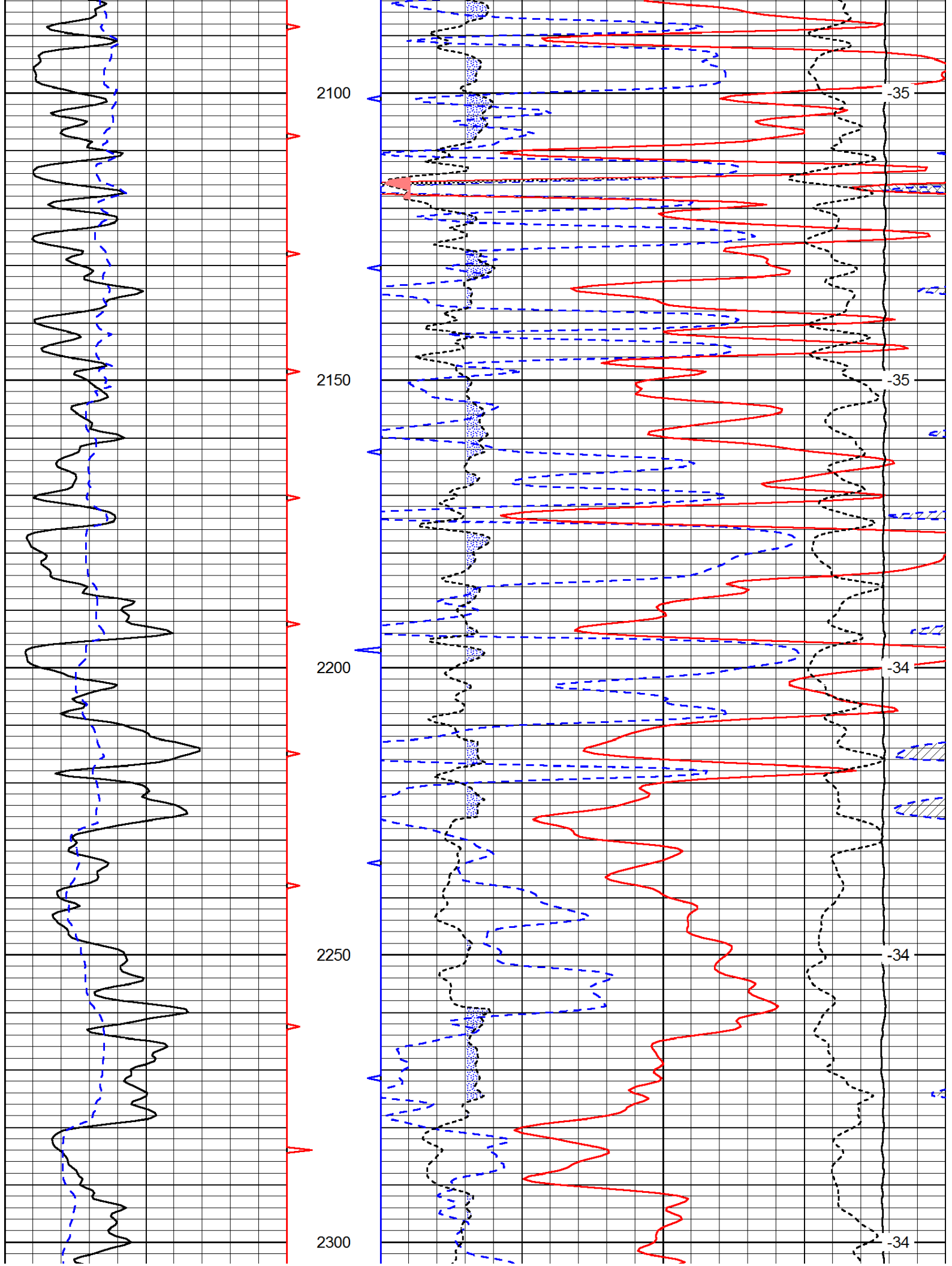


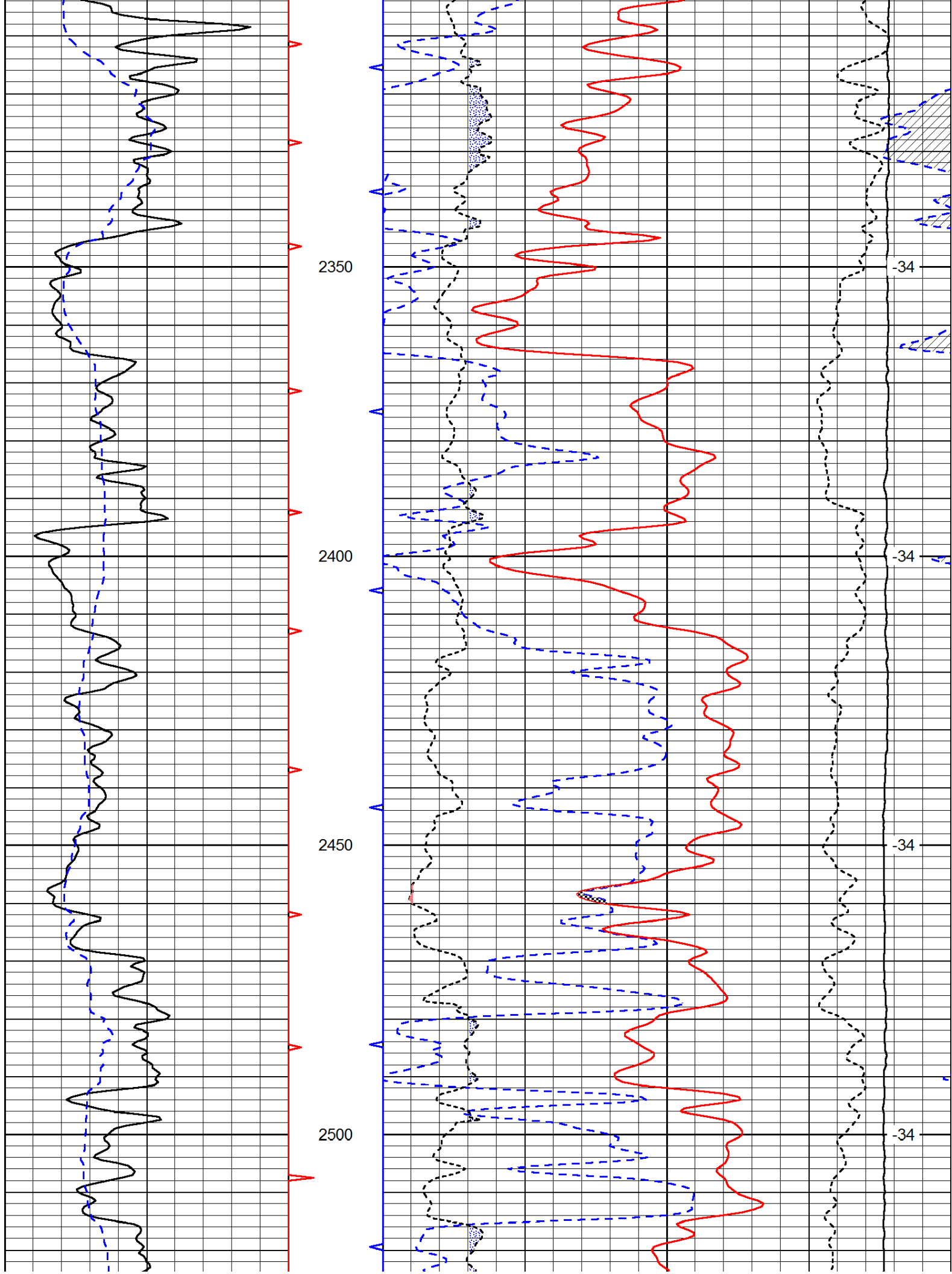


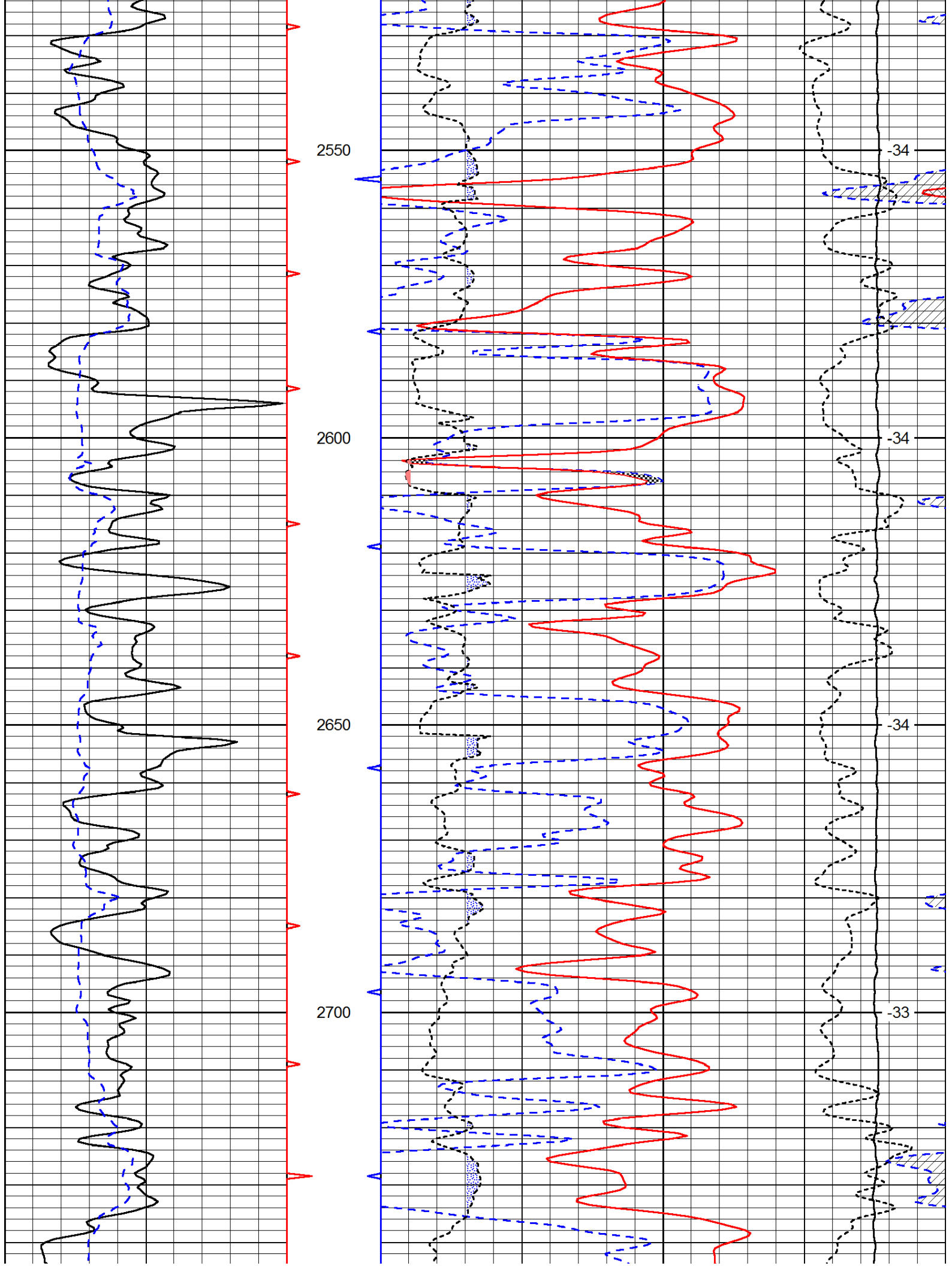


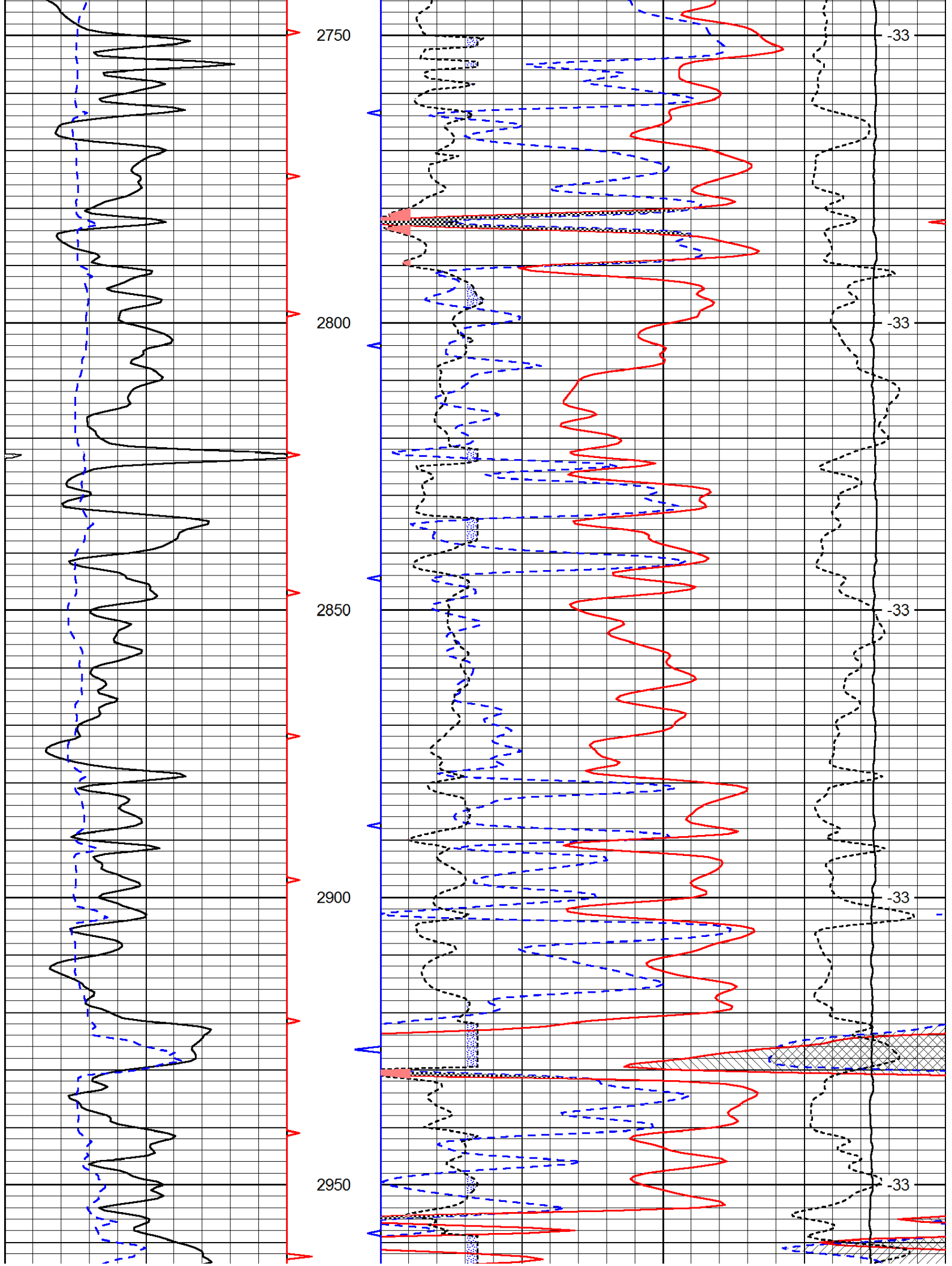
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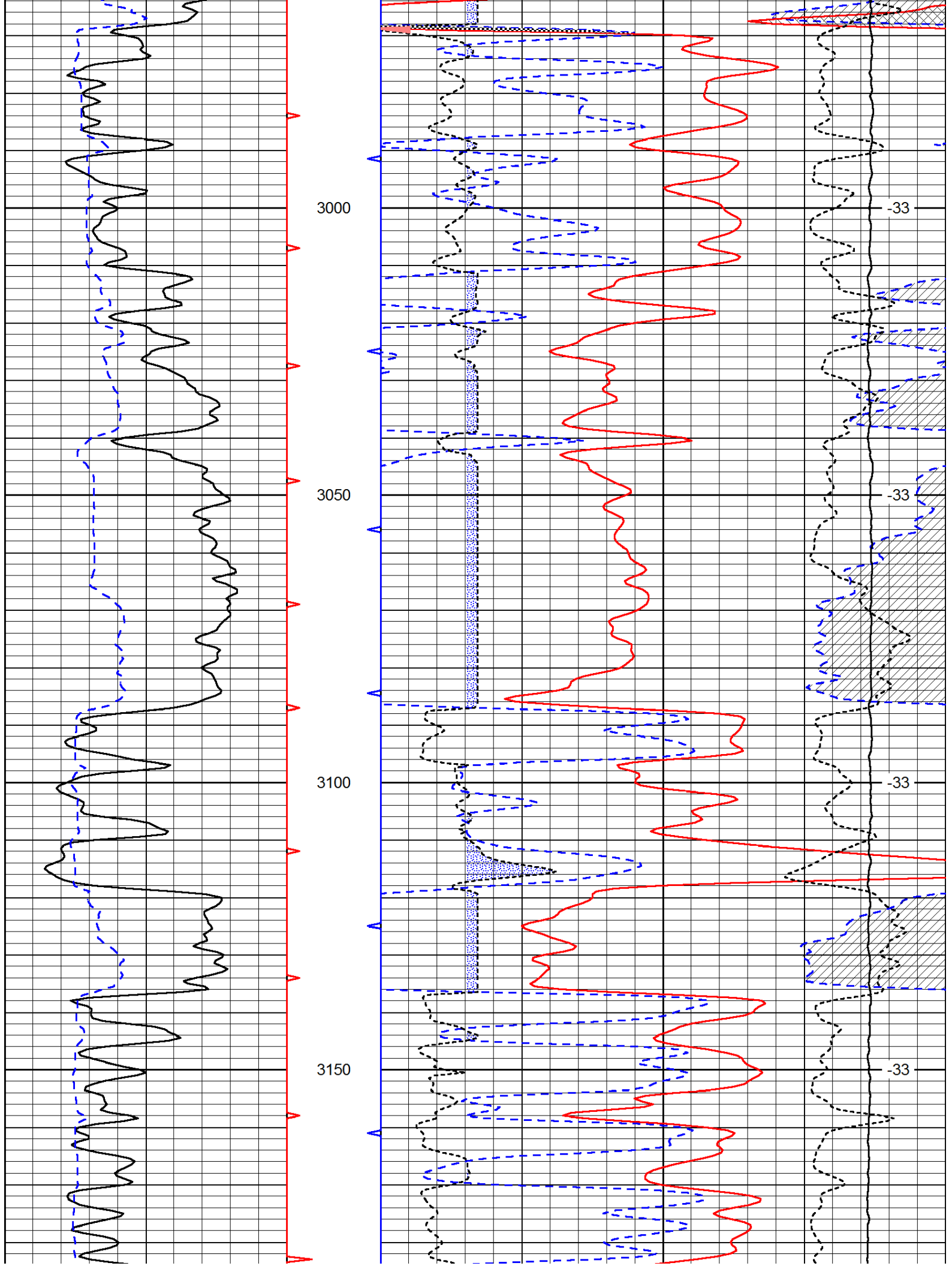


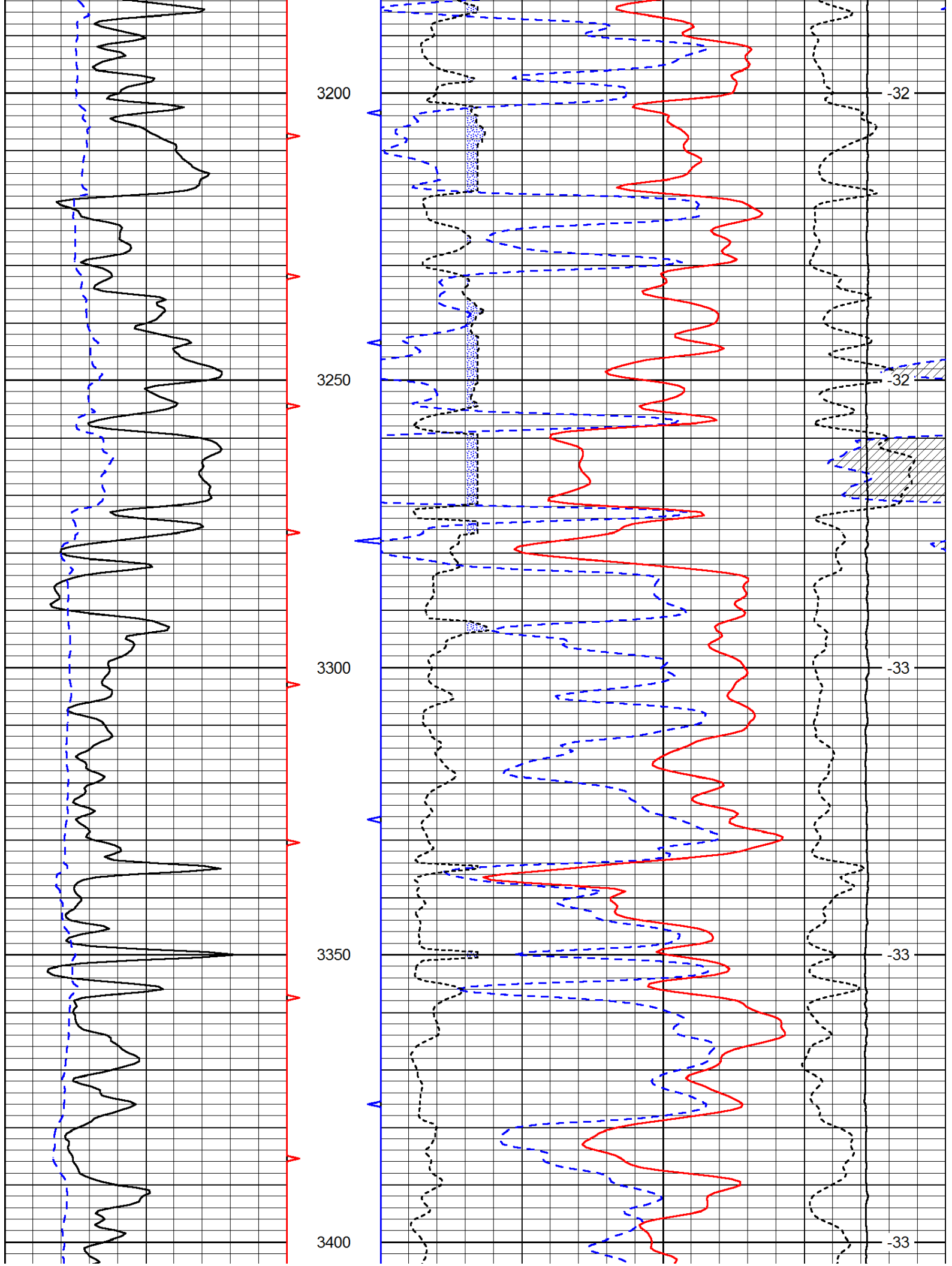


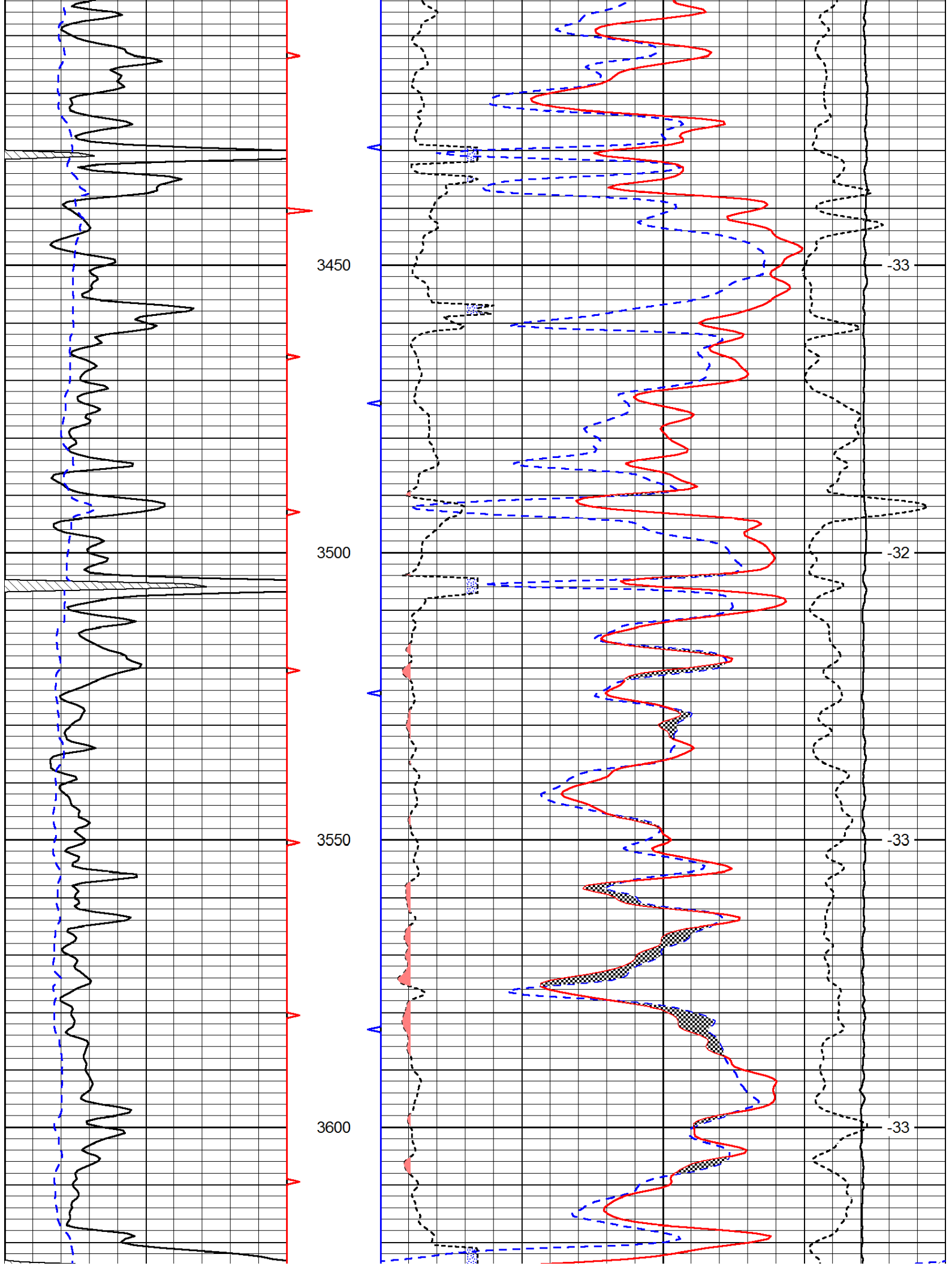


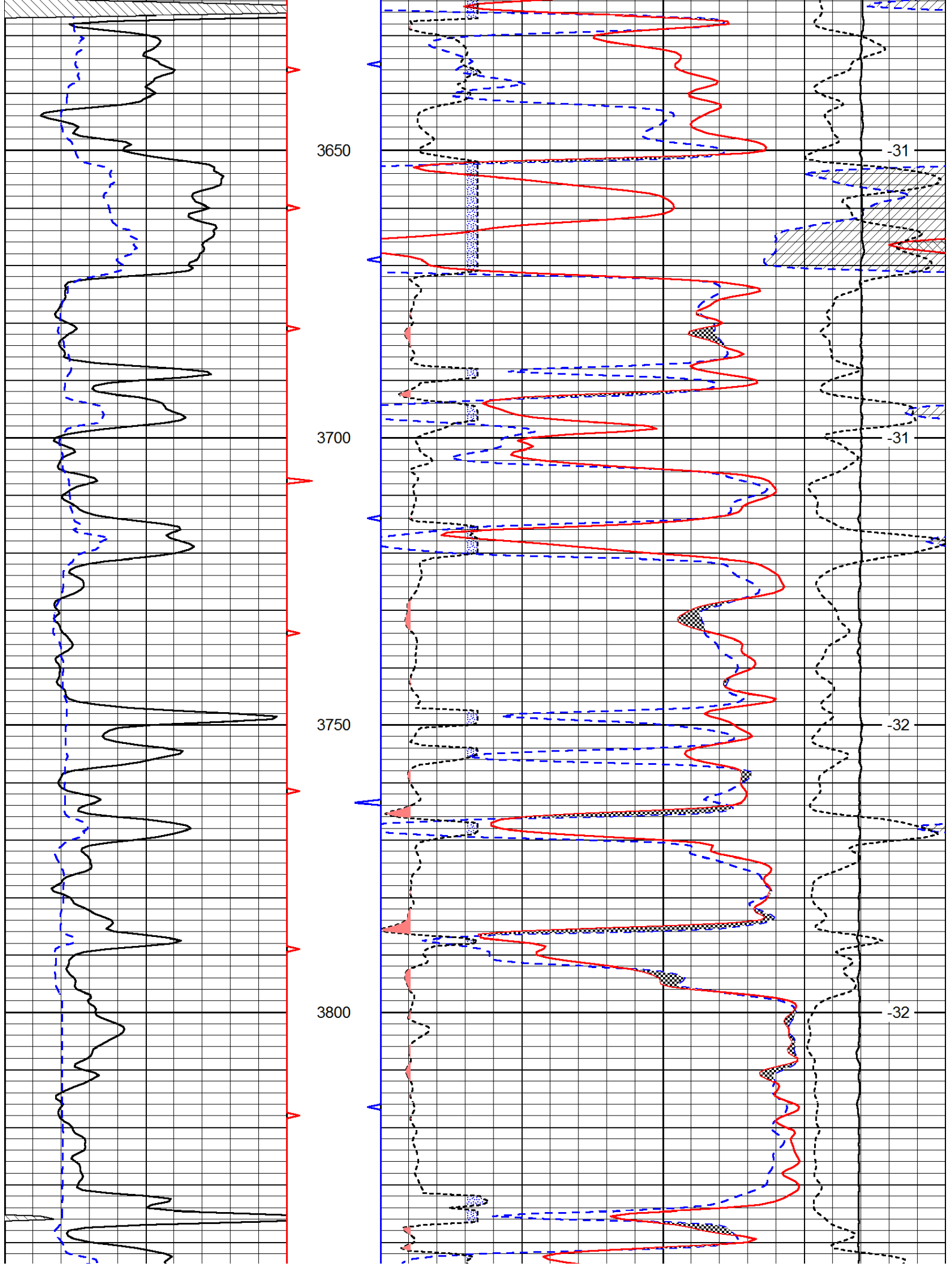


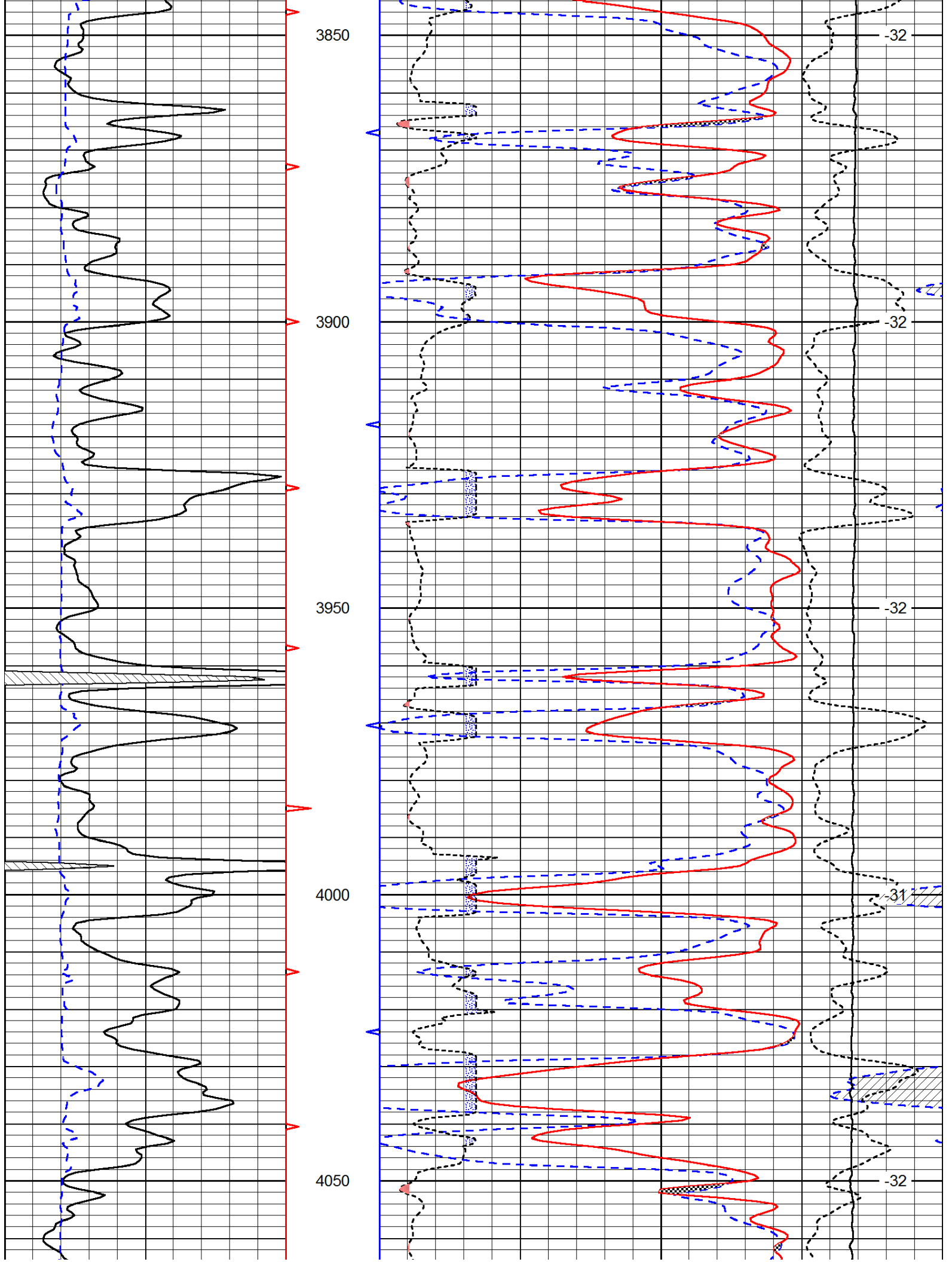


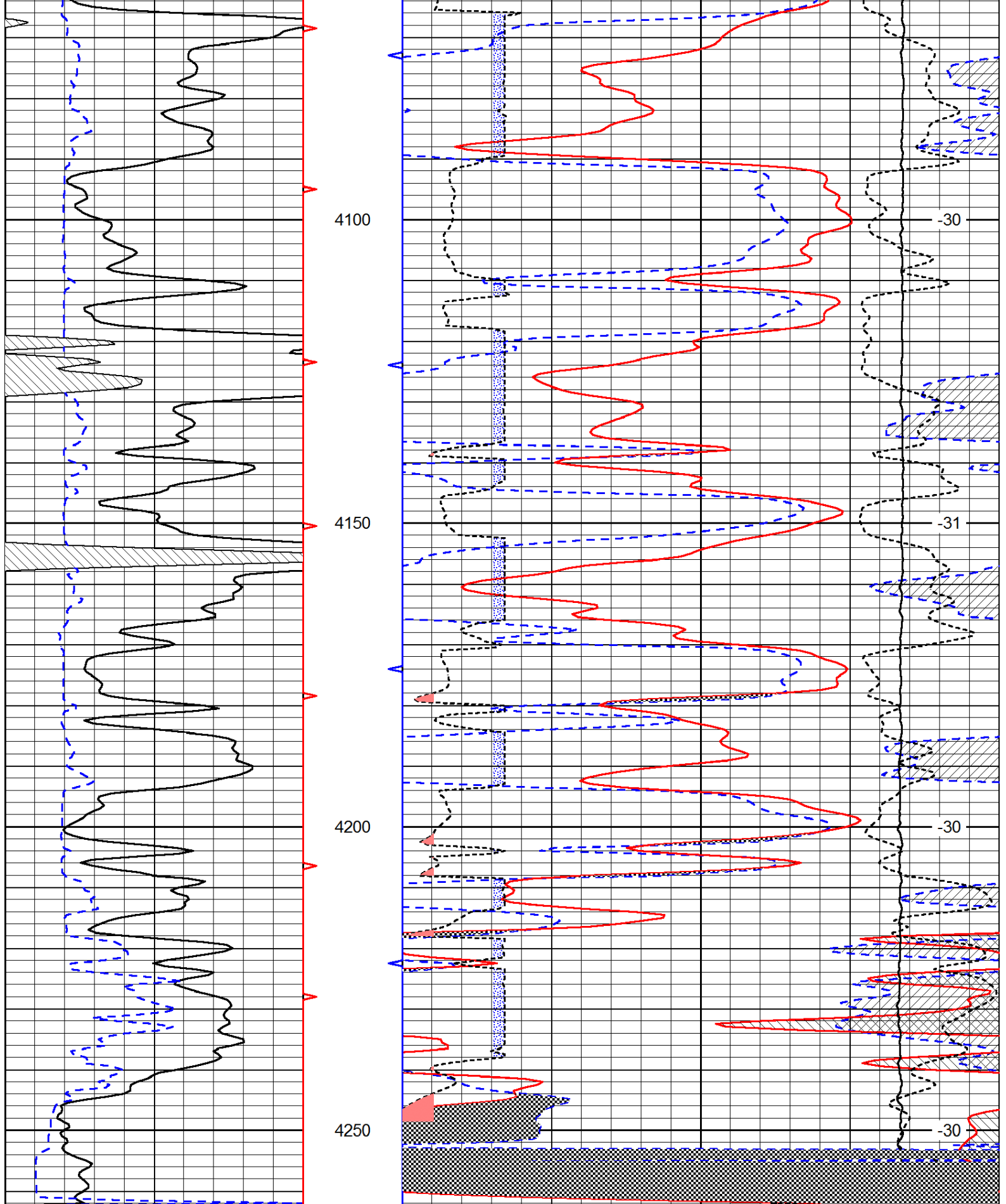












0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)	-10			
30	Compensated Density (Limestone)	-10			
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

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