



Pioneer Energy Services

## Dual Compensated Porosity Log

15-007-24,015-00-00

API No.

Company **Woolsey Operating Company, LLC**  
 Well **Forester E No.2**  
 Field **Roundup South**  
 County **Barber** State **Kansas**

Location **NE SW SW SW  
530' FSL & 405' FWL**  
 Sec: **34** Twp: **33S** Rge: **11W**

Permanent Datum **Ground Level** Elevation **1350**  
 Log Measured From **Kelly Bushing** 12 Ft. Above Perm. Datum  
 Drilling Measured From **Kelly Bushing**

Other Services  
**DIL**  
 Elevation  
 K.B. 1362  
 D.F. 1350  
 G.L. 1350

Date	5/5/2013
Run Number	One
Type Log	CNL / CDL
Depth Driller	5070
Depth Logger	5070
Bottom Logged Interval	5049
Top Logged Interval	1600
Type Fluid In Hole	Chemical
Salinity, PPM CL	3,000
Density	9.2
Level	Full
Max. Rec. Temp. F	127
Operating Rig Time	3 Hours
Equipment -- Location	17 Days
Recorded By	C. Desaire
Witnessed By	Scott Alberg

Borehole Record			Casing Record				
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	306	8.625	24#	00	306
2	7.875	306	5070				

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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.

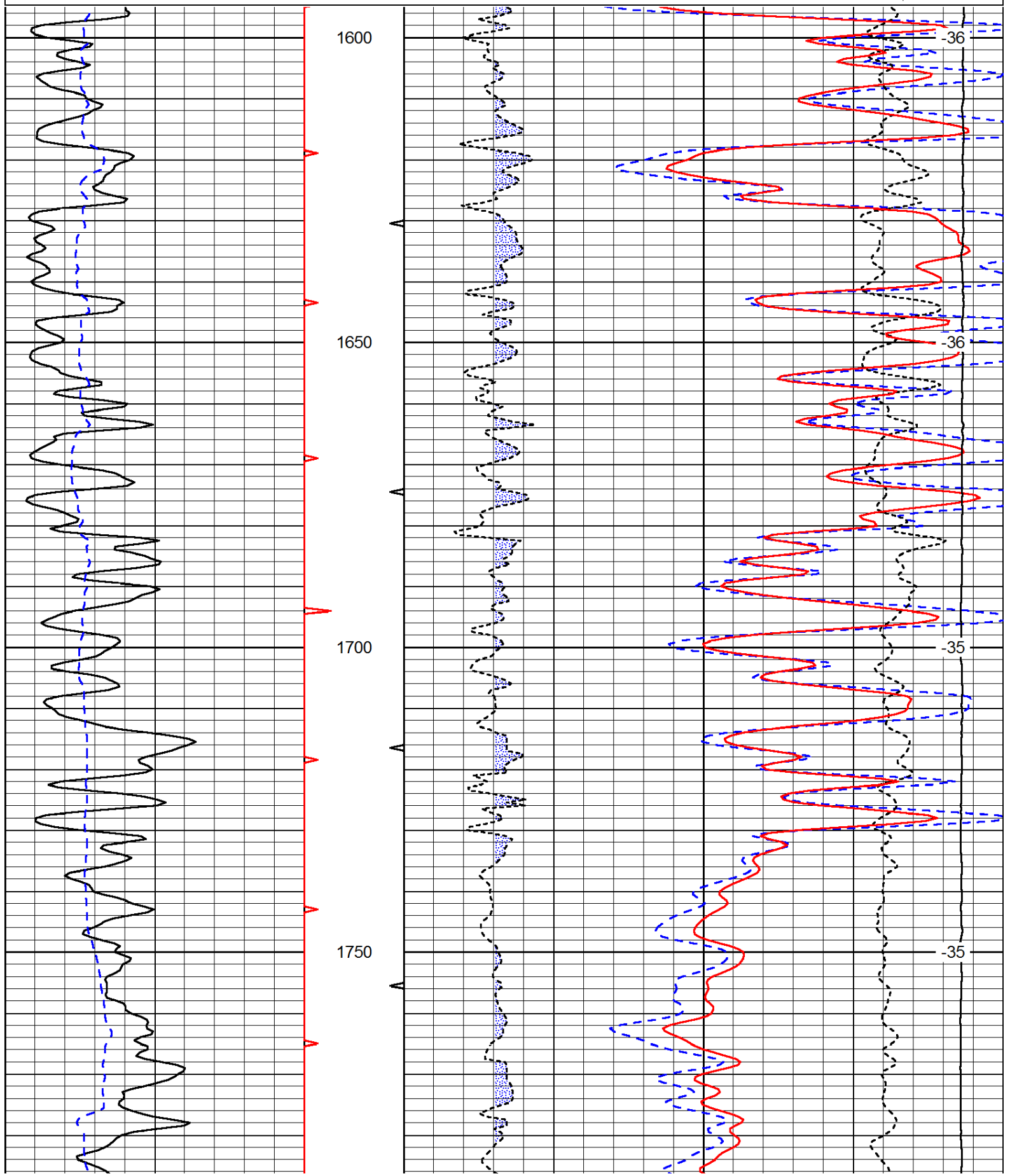
### Comments

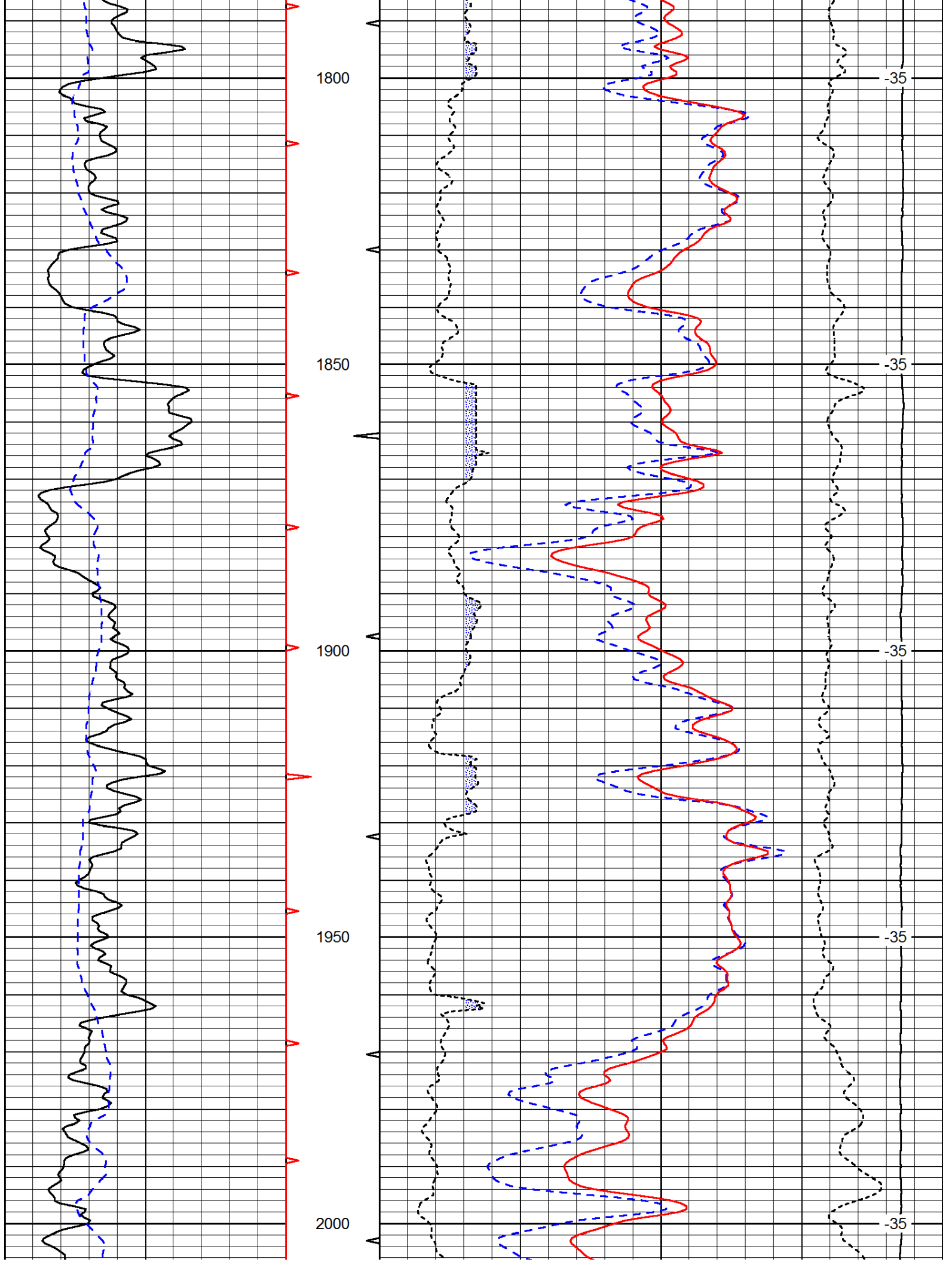
Thank you for using Pioneer Energy Services  
[www.pioneerenergy.com](http://www.pioneerenergy.com)  
 785 625 3858  
  
 Medicine Lodge KS, S to Gerlane Rd,  
 6 E, W Into 1 mile

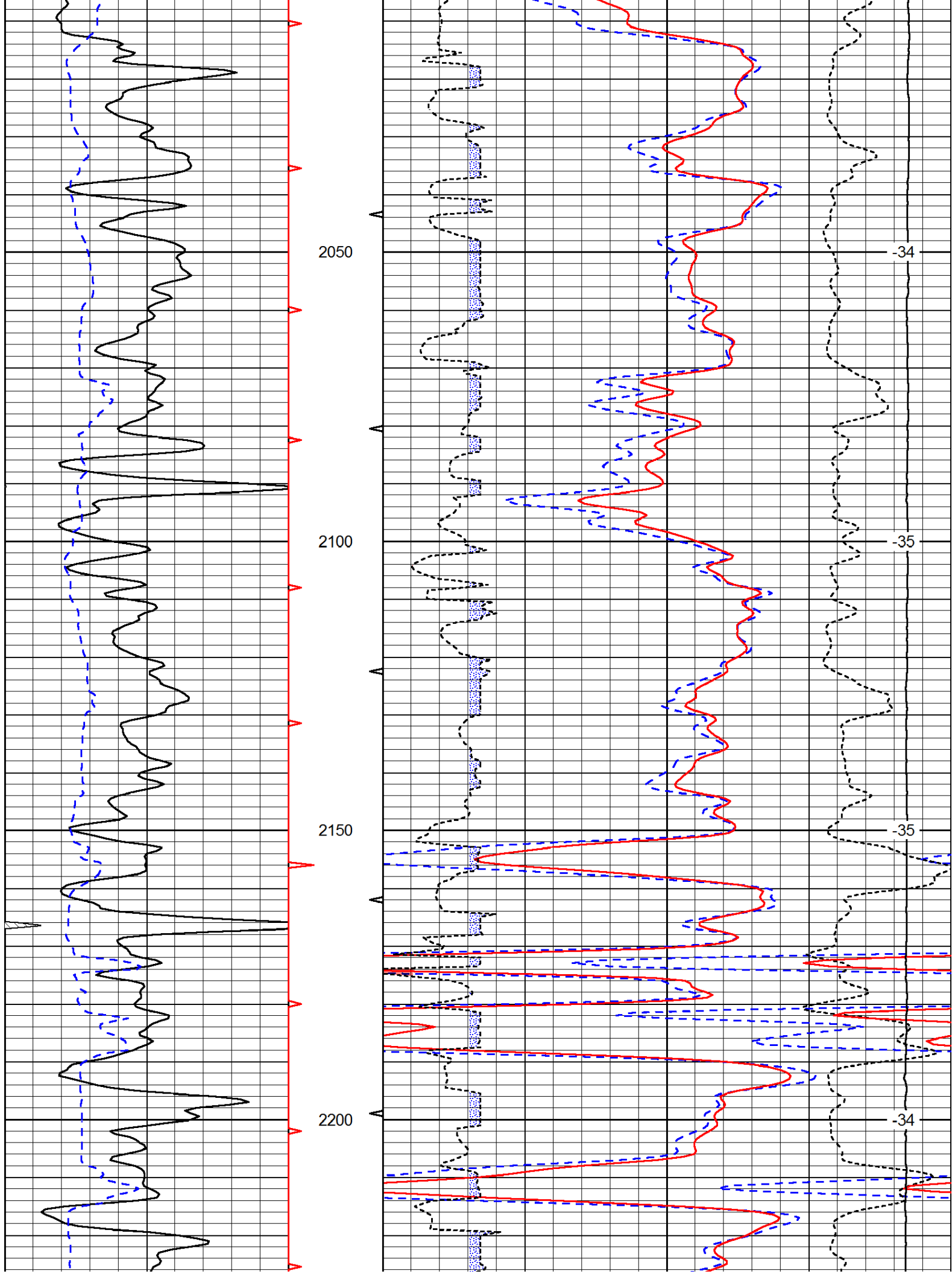
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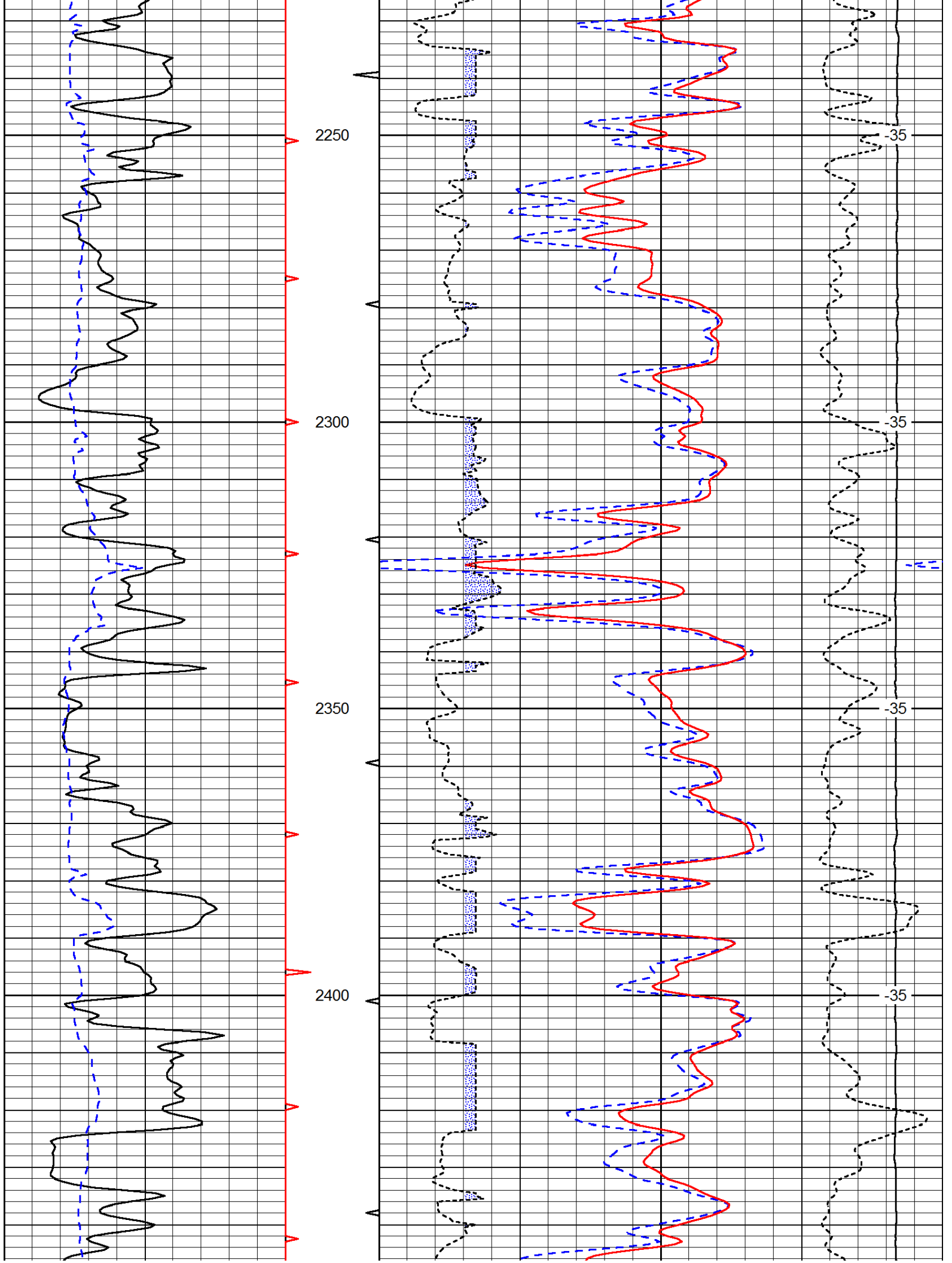
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6	Caliper (GAPI)	16

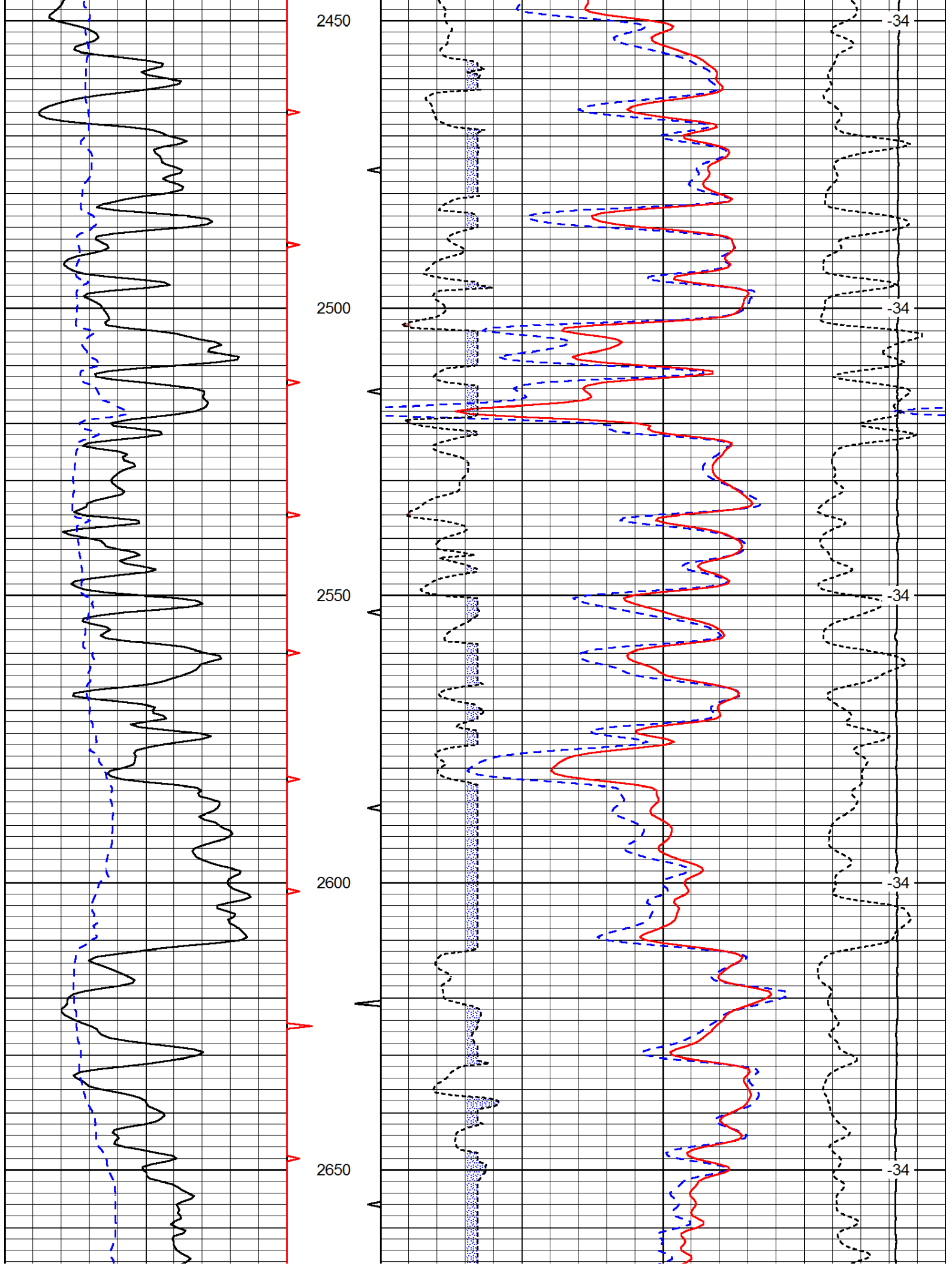
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2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425 -0.25	Correction 0.25
LSPD			

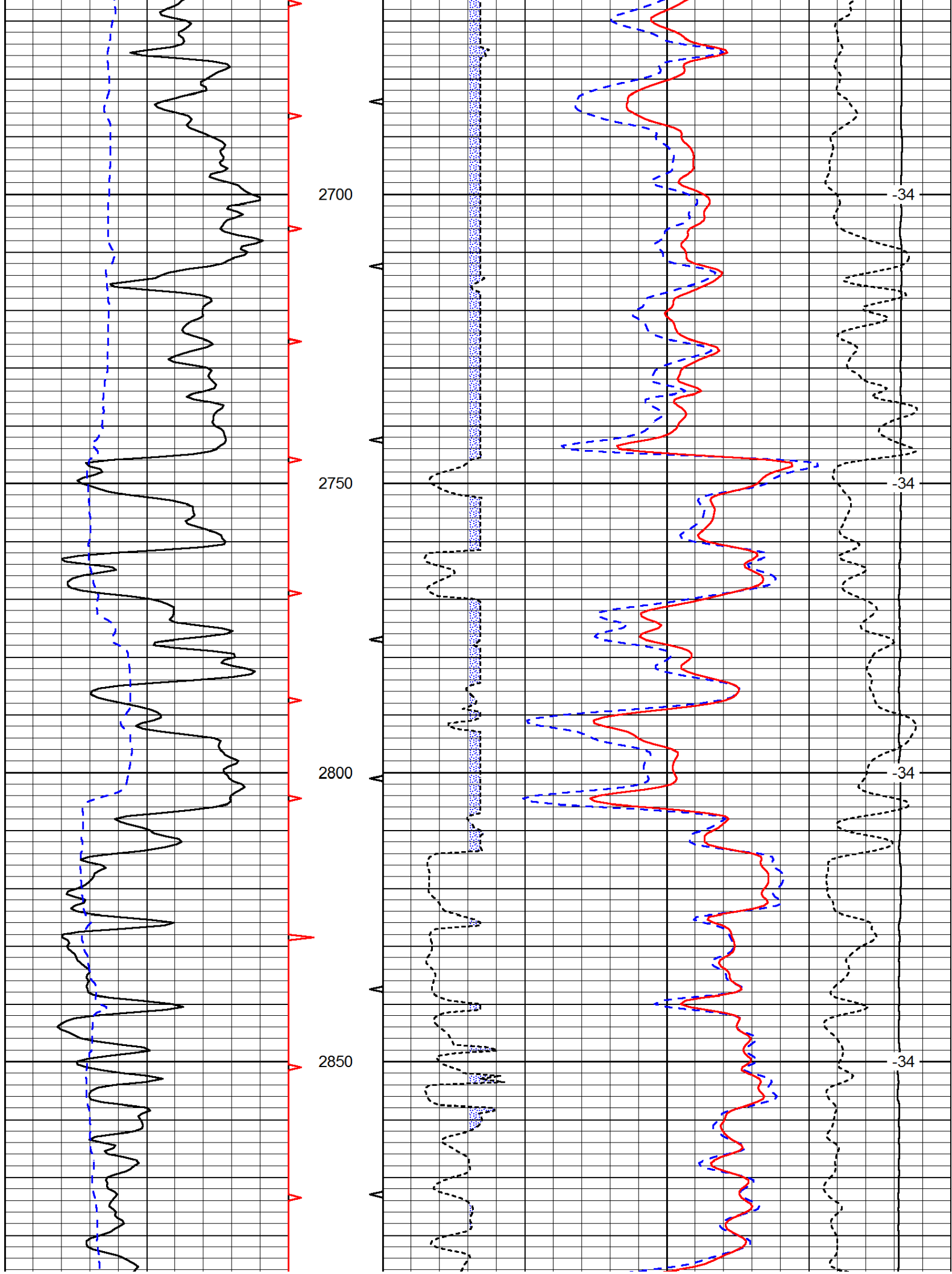


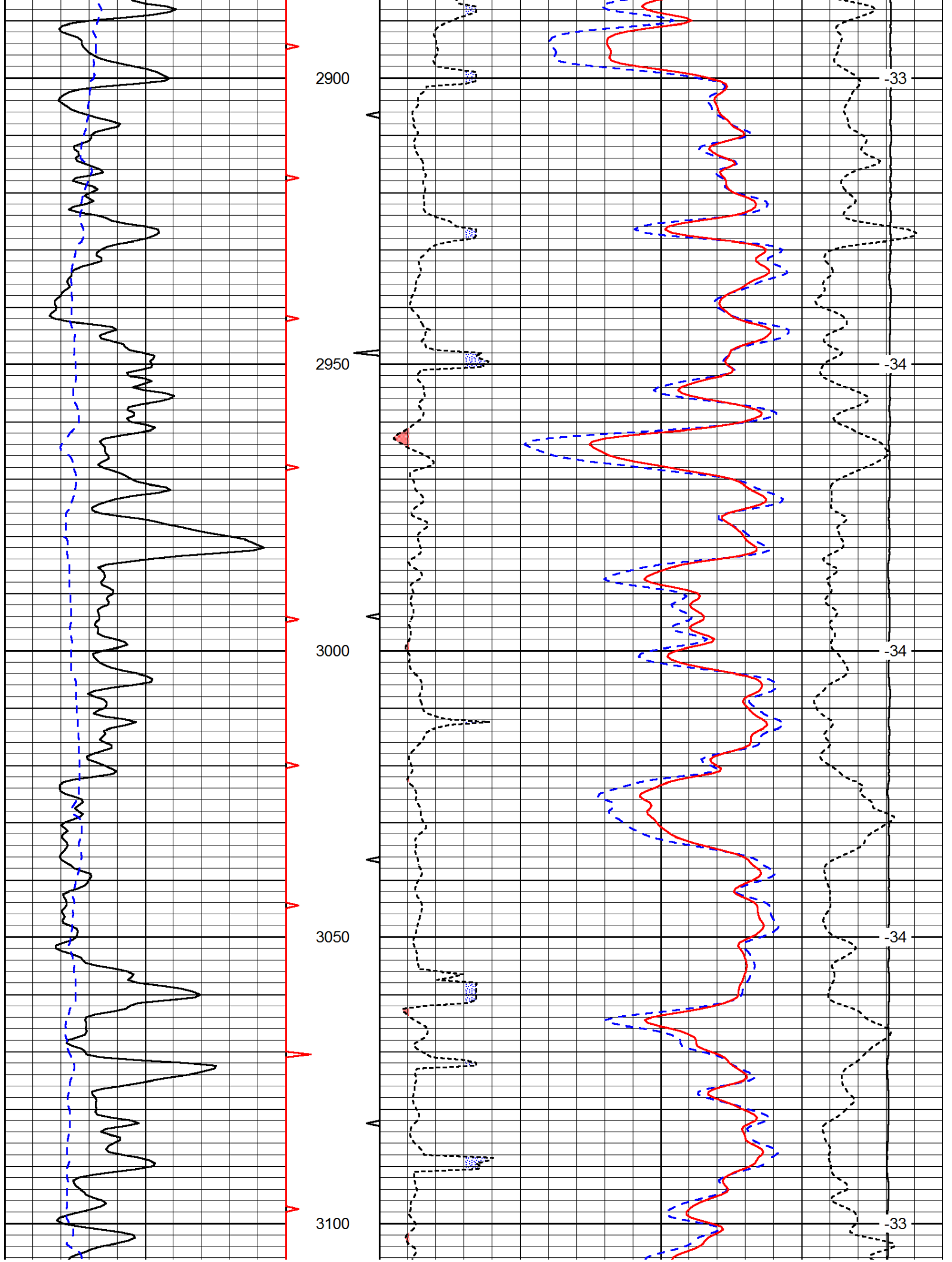


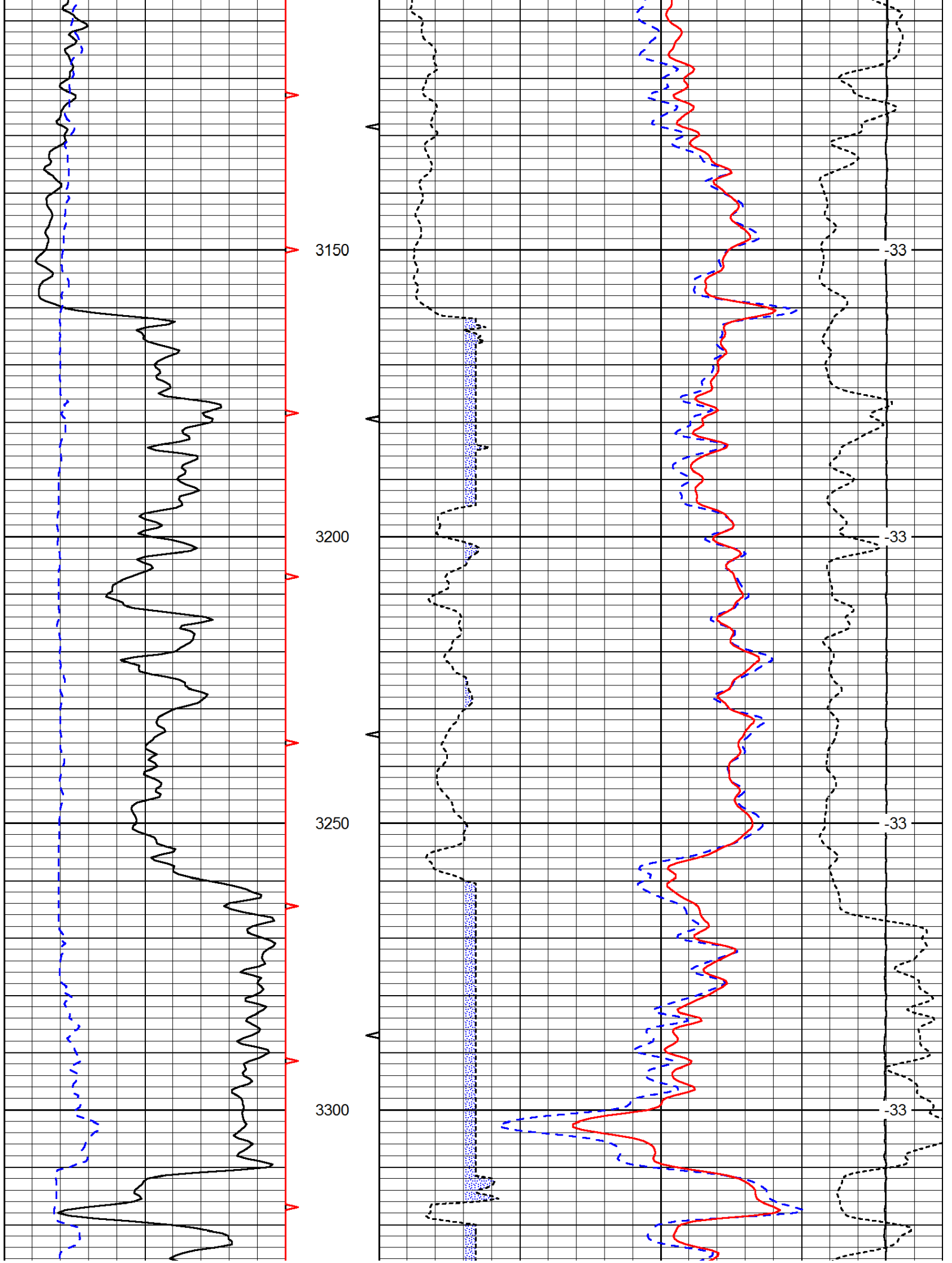


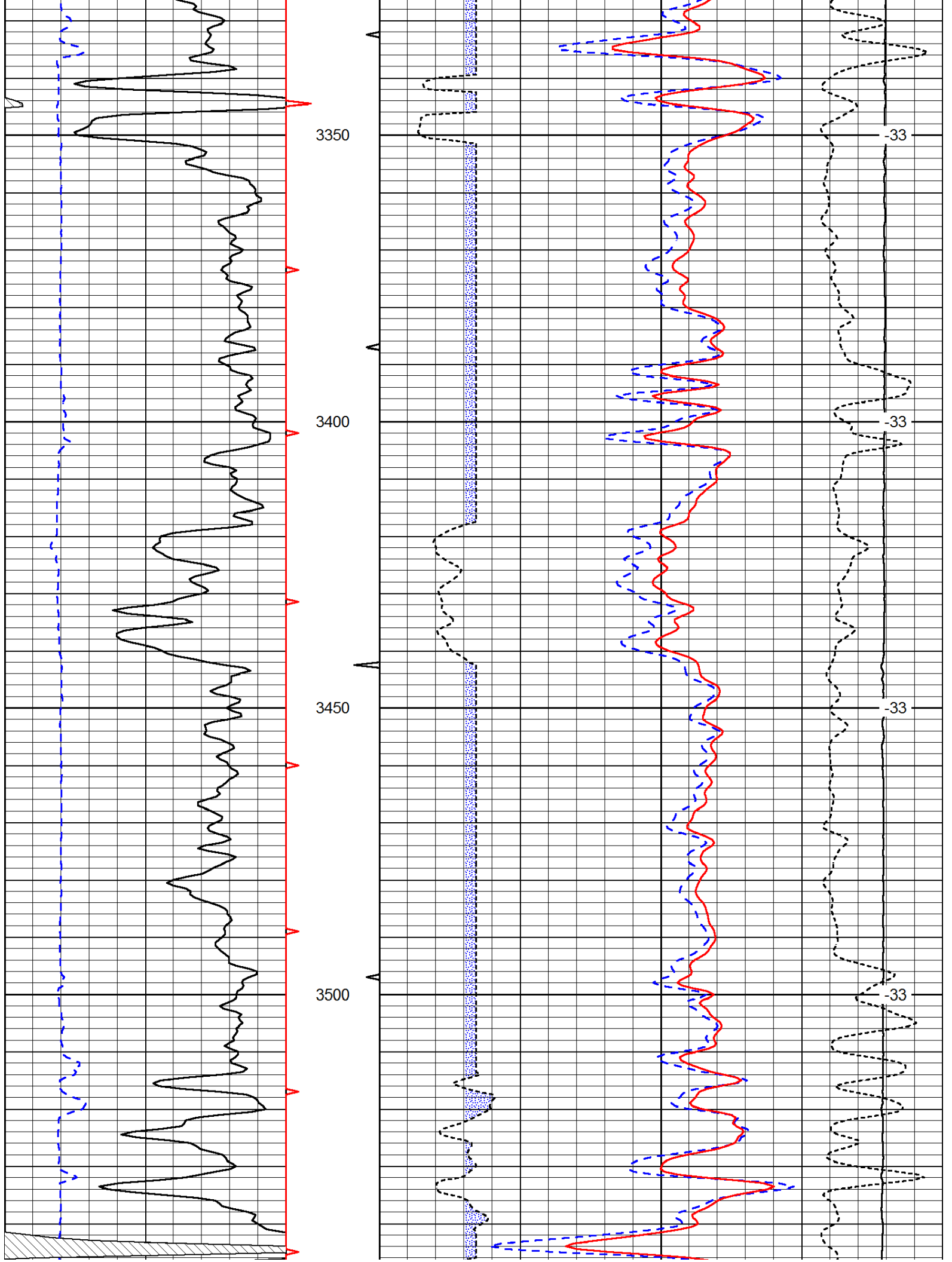


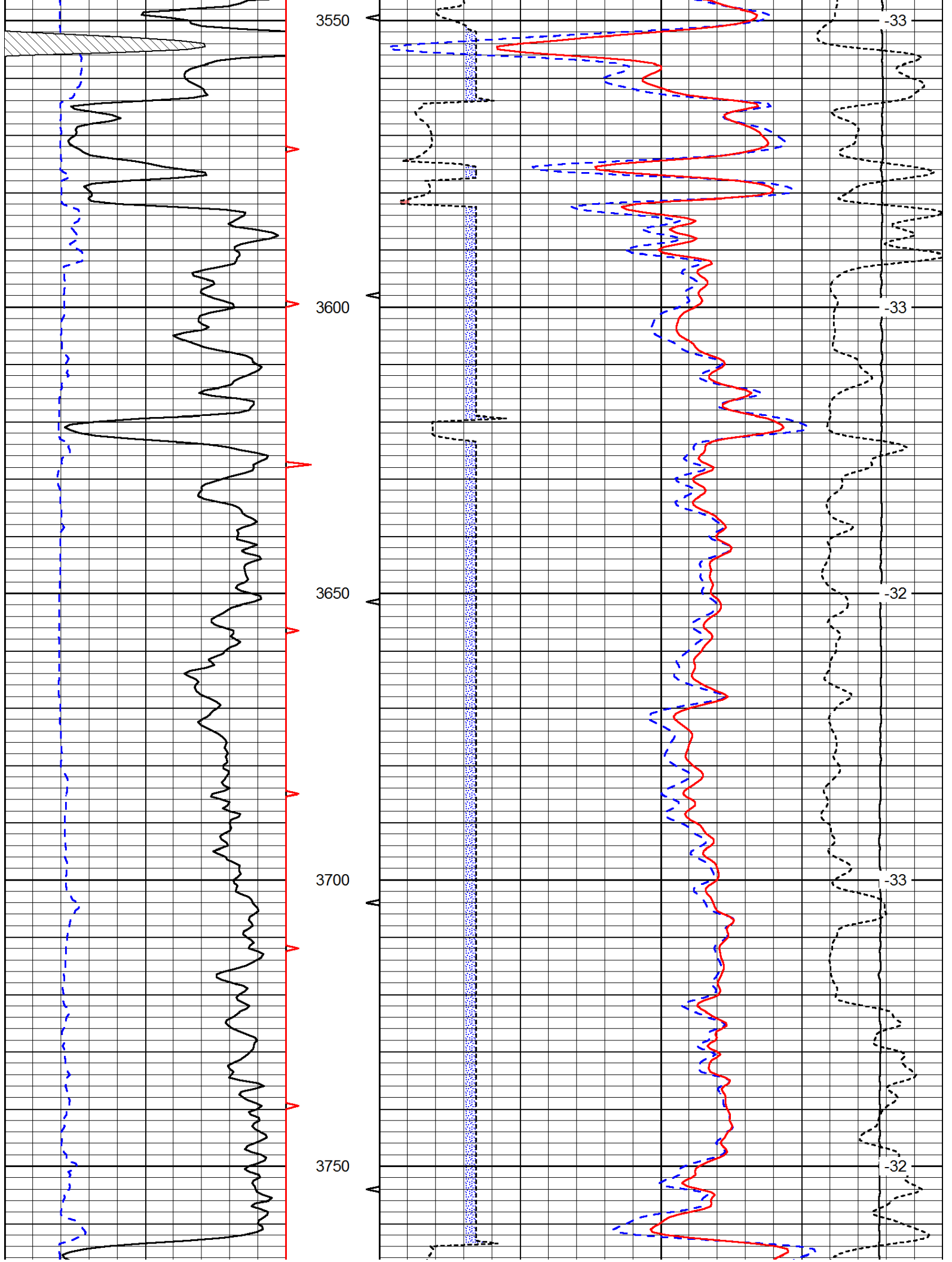


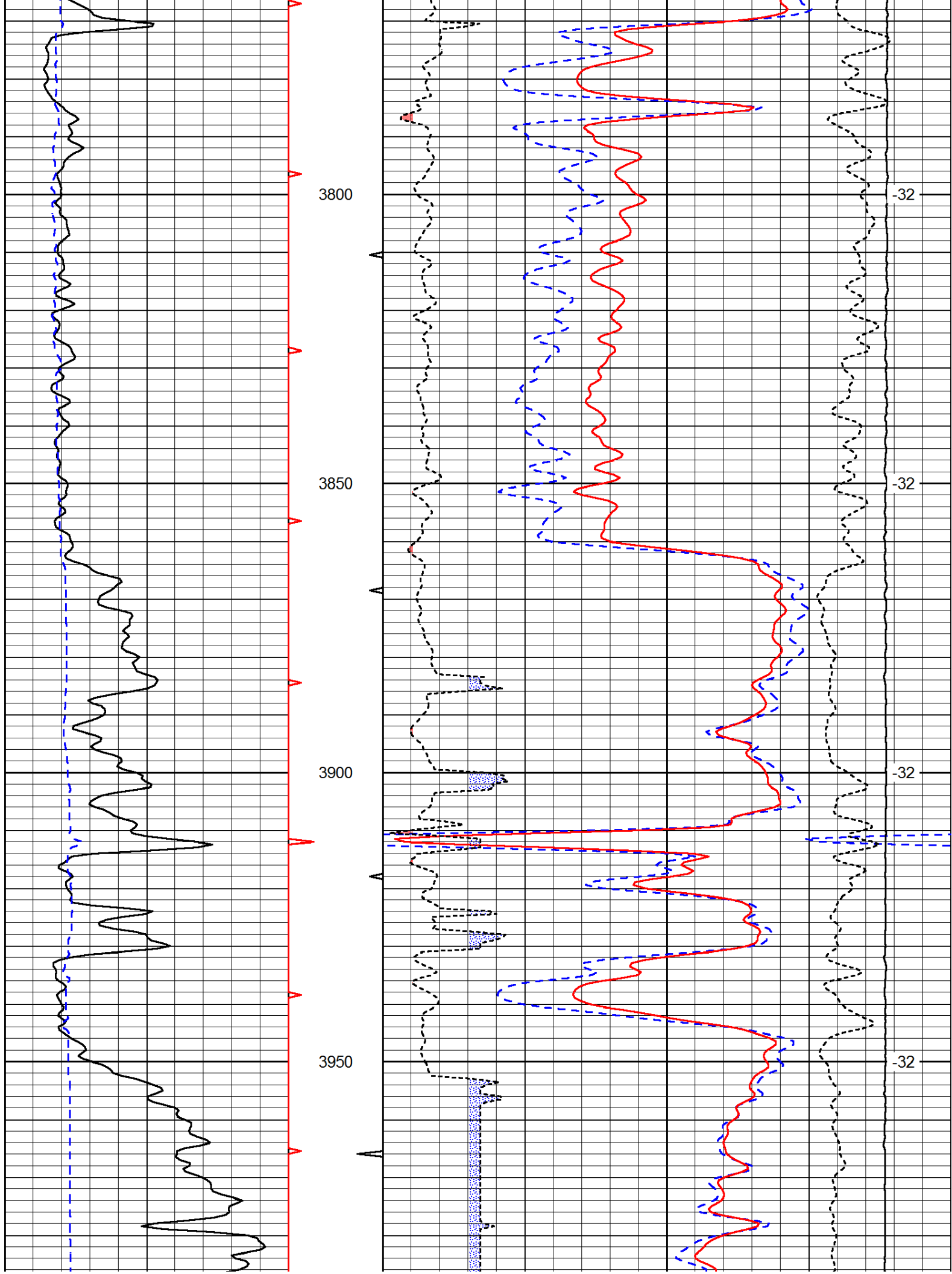


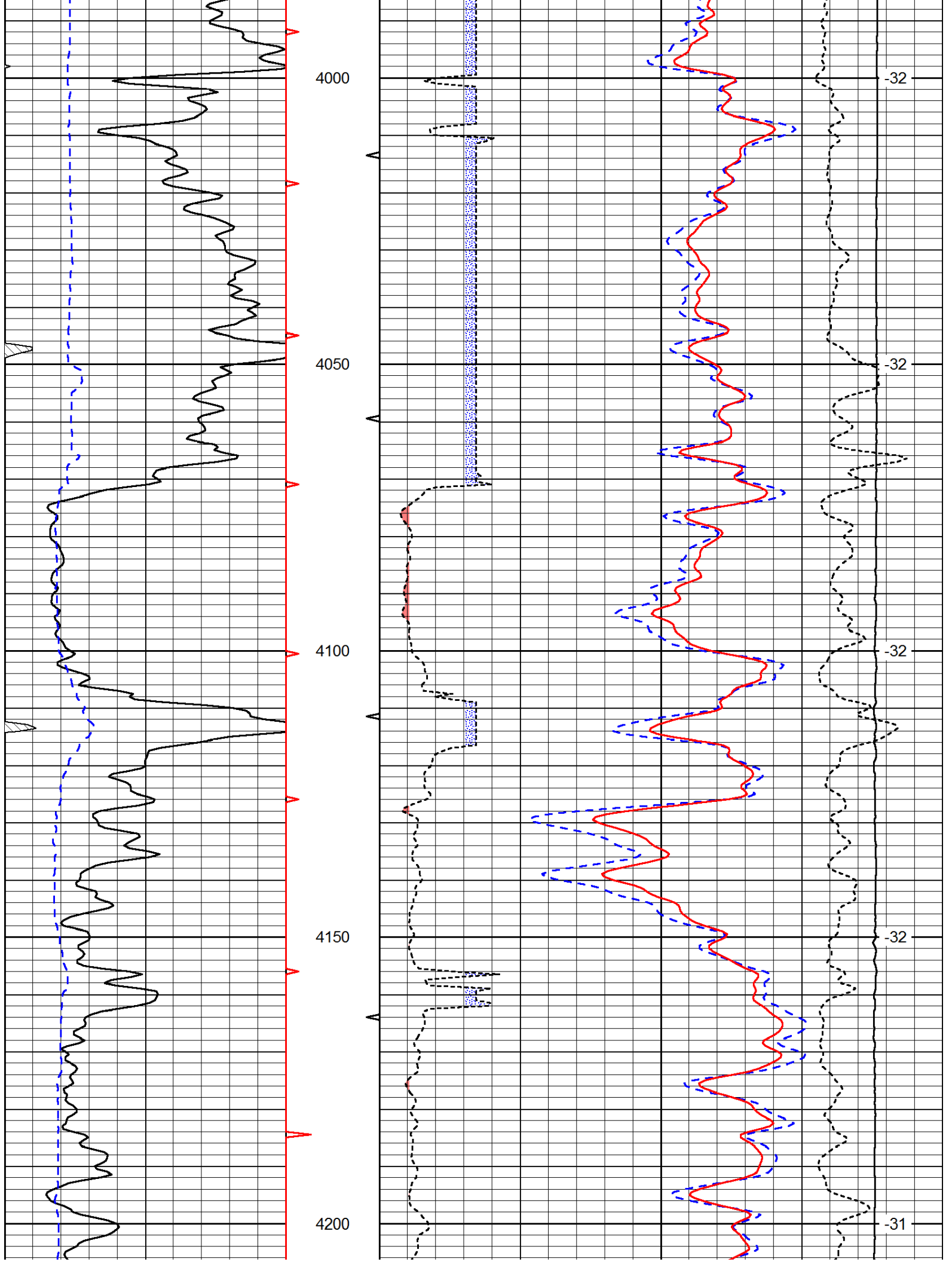


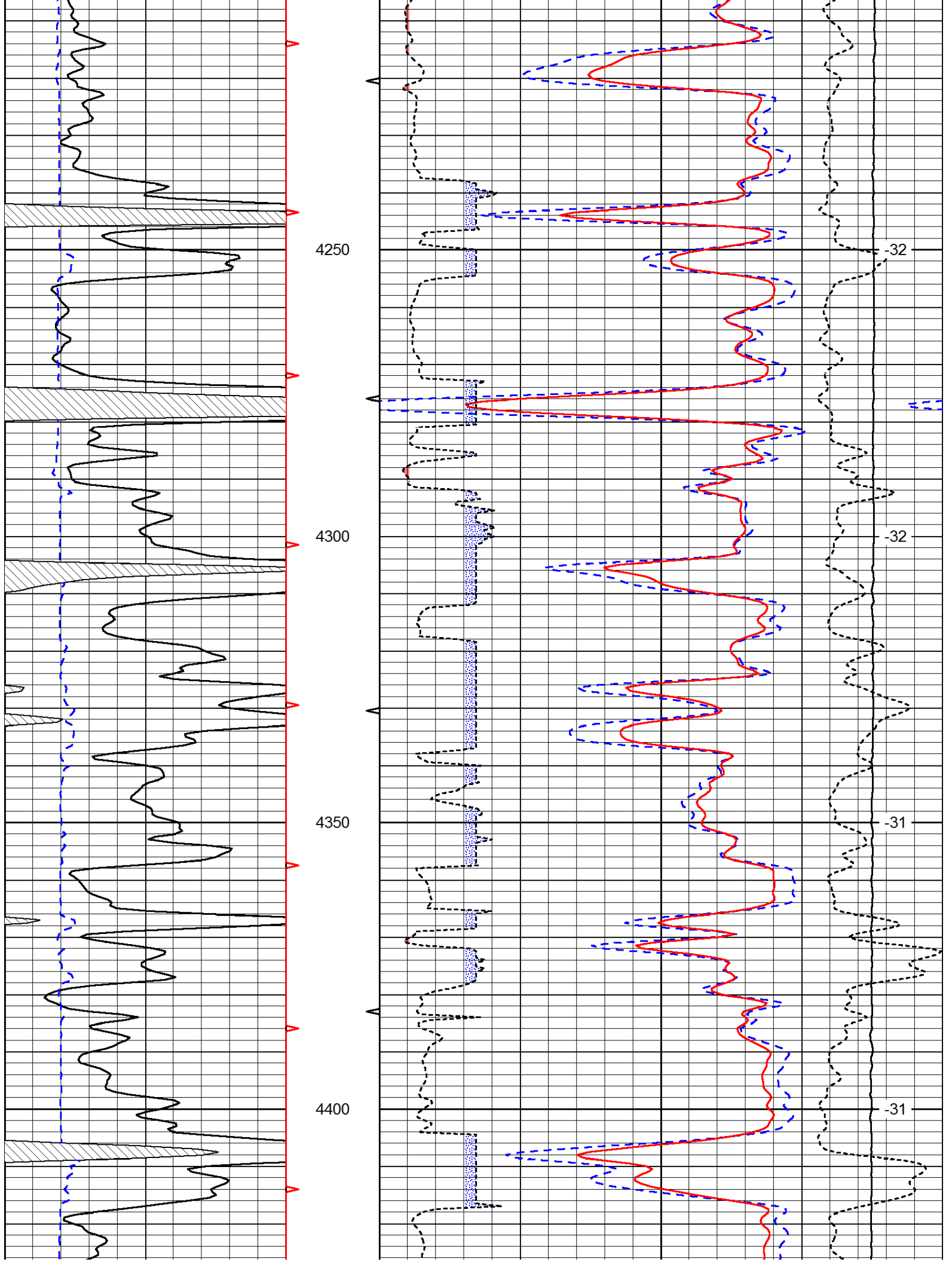


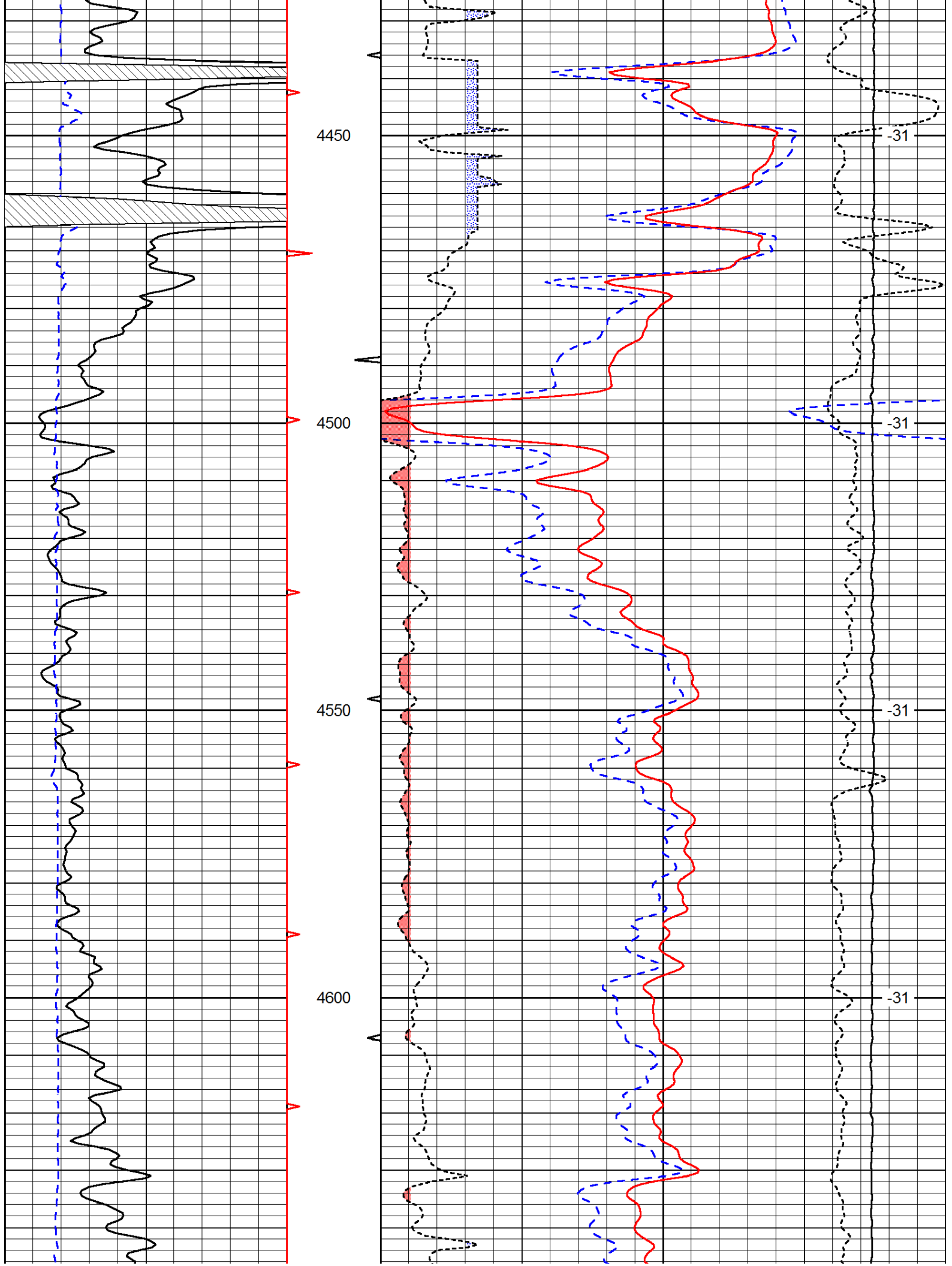


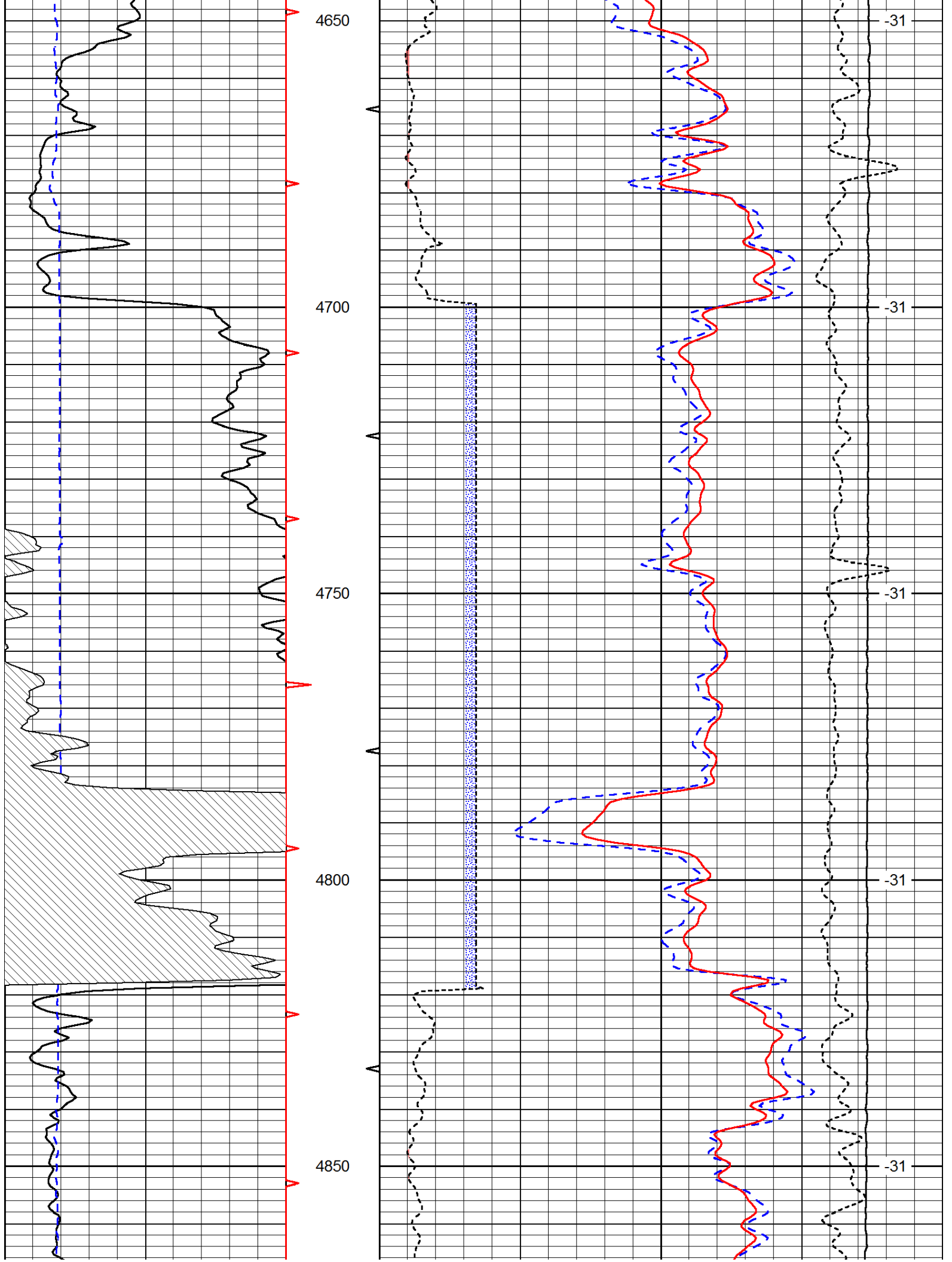












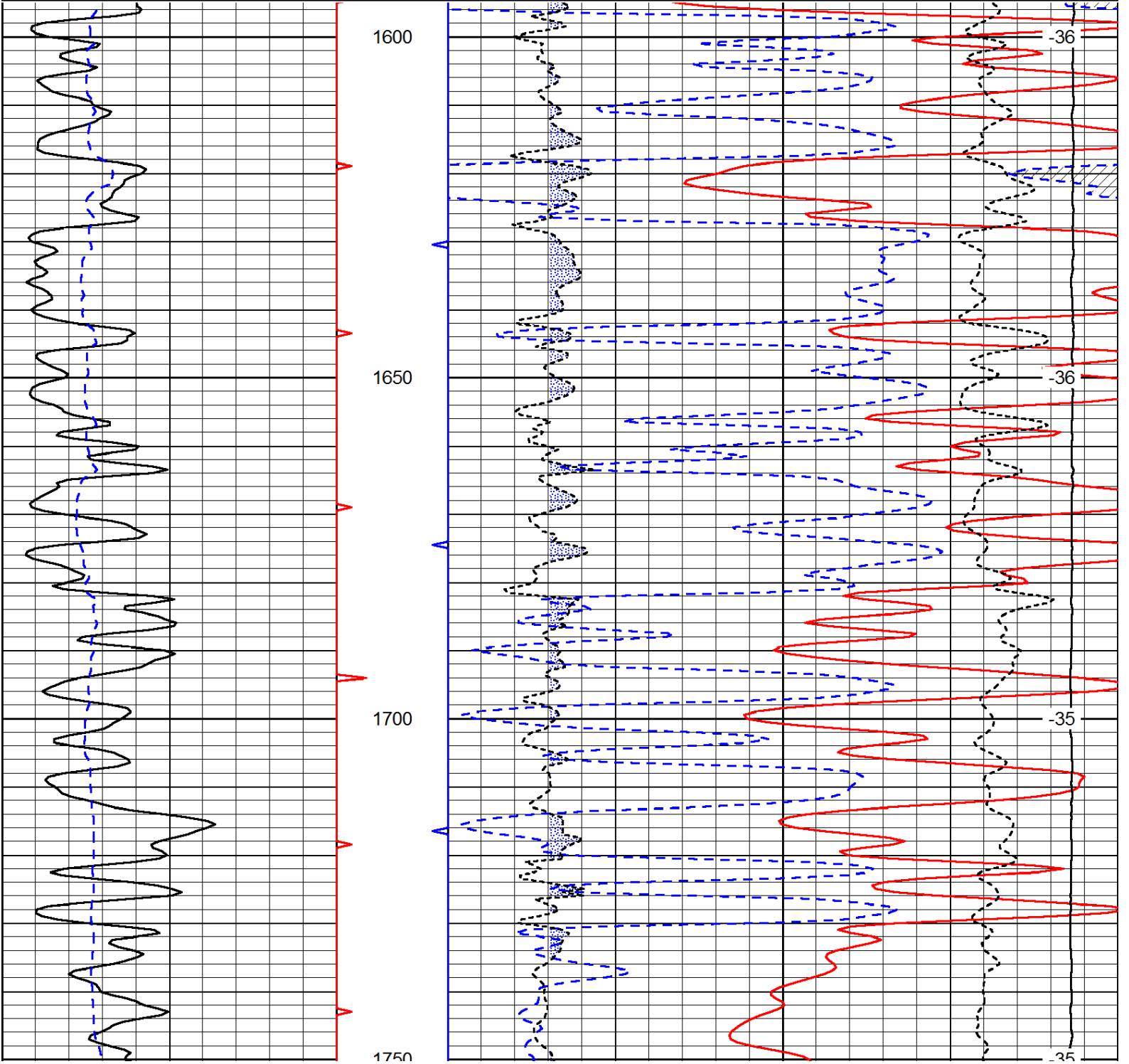


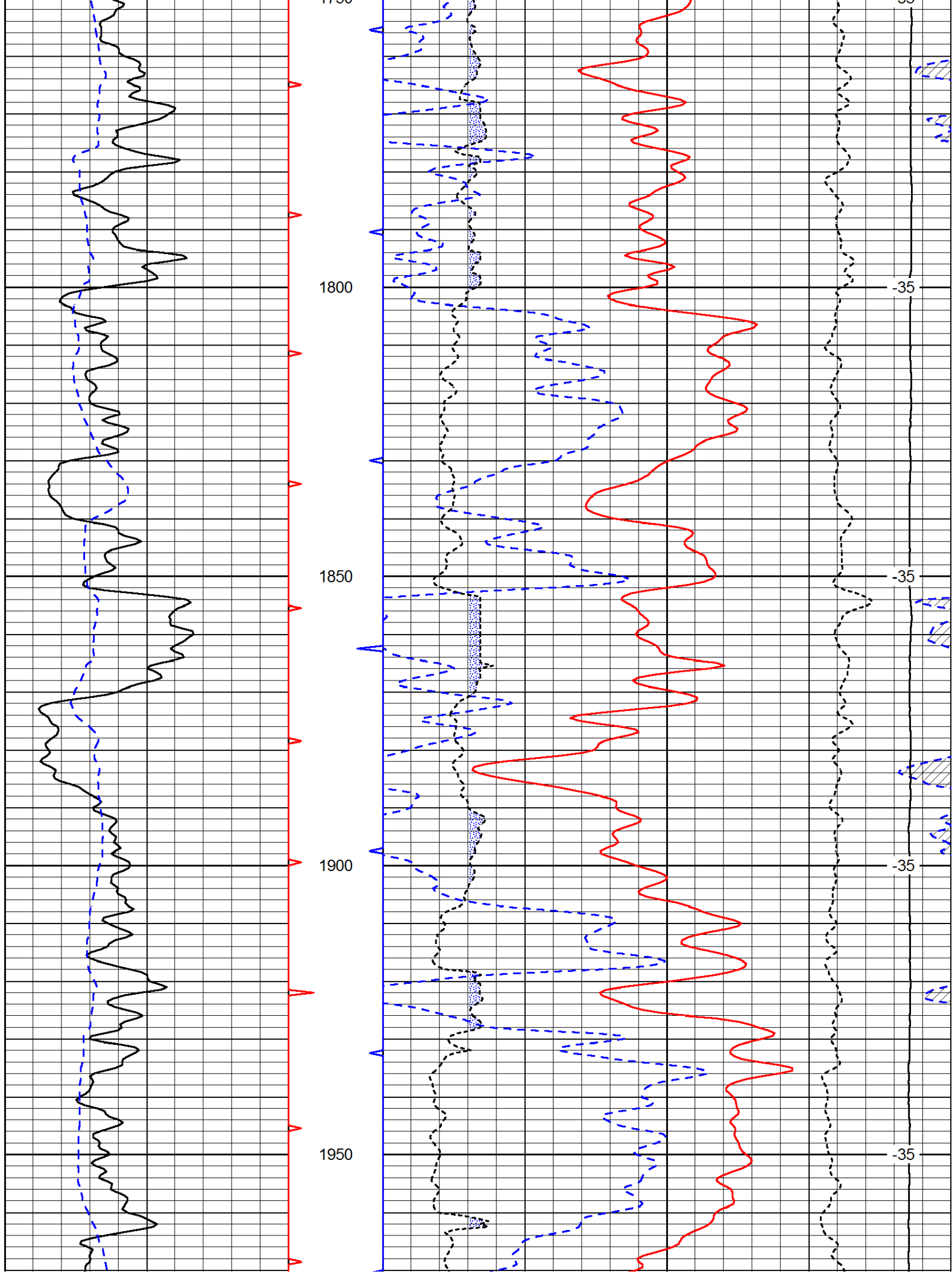
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2.625	DGA	3.425 -0.25	Correction 0.25
			LSPD

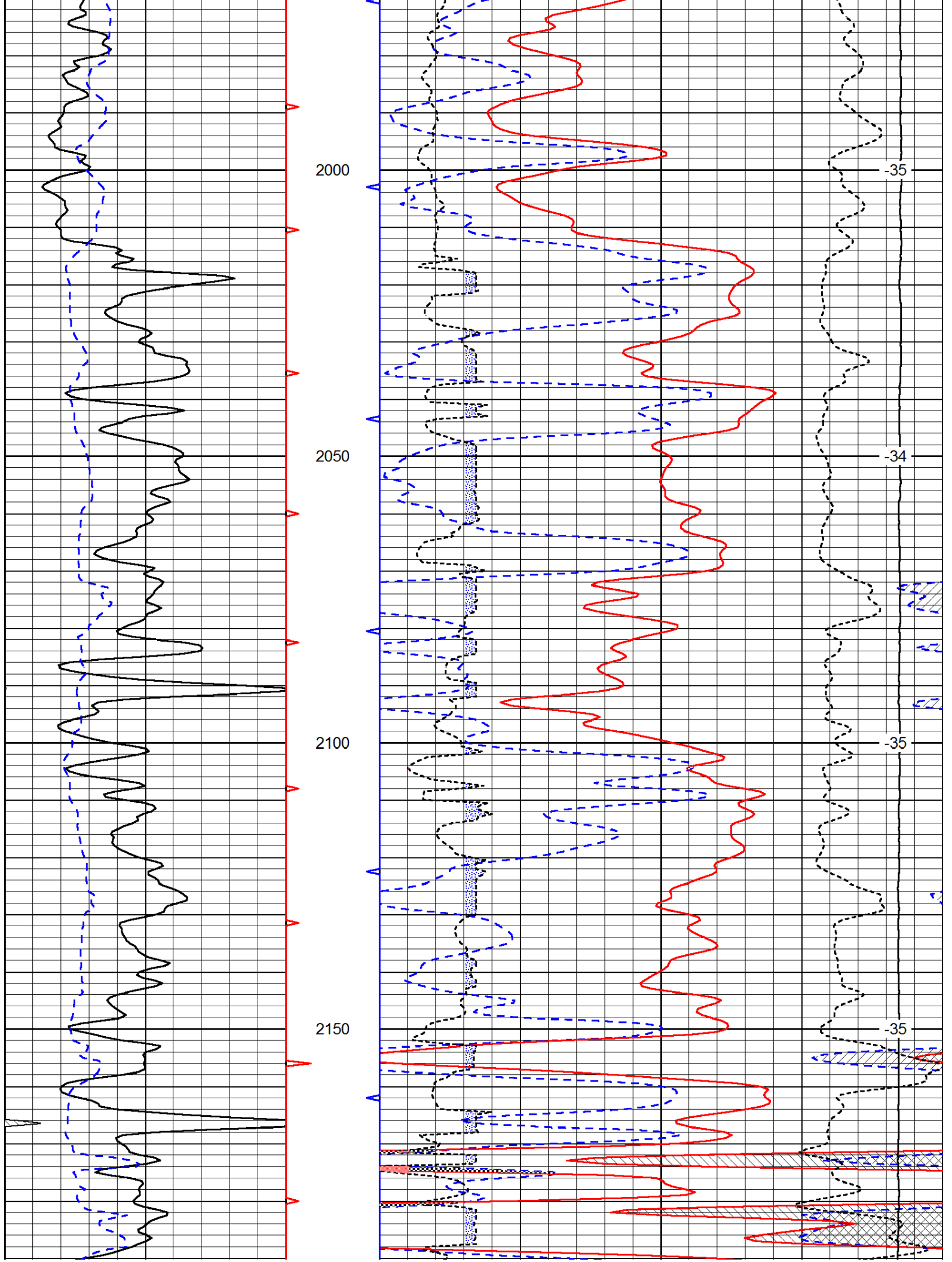
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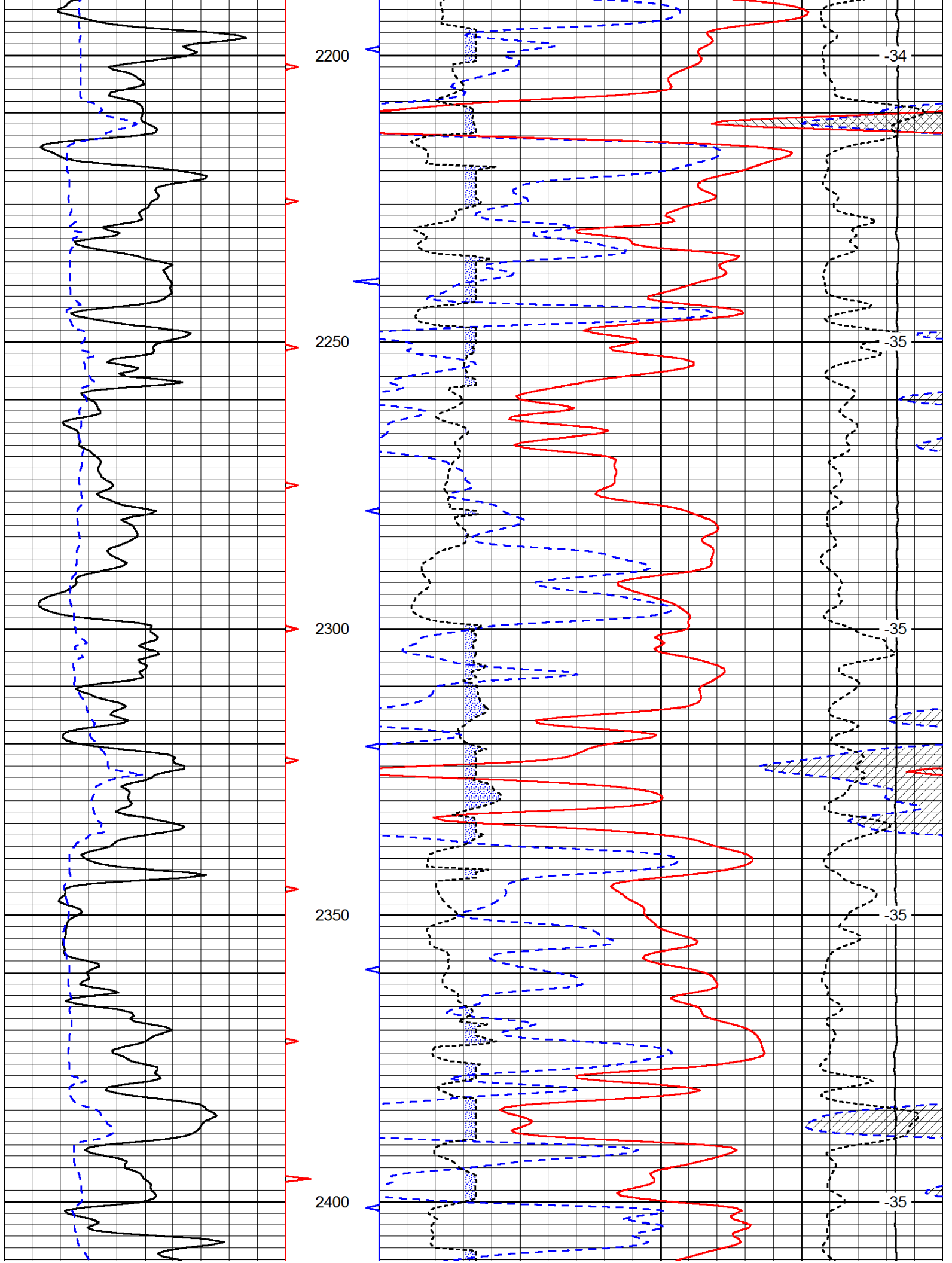
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6	Caliper (GAPI)	16

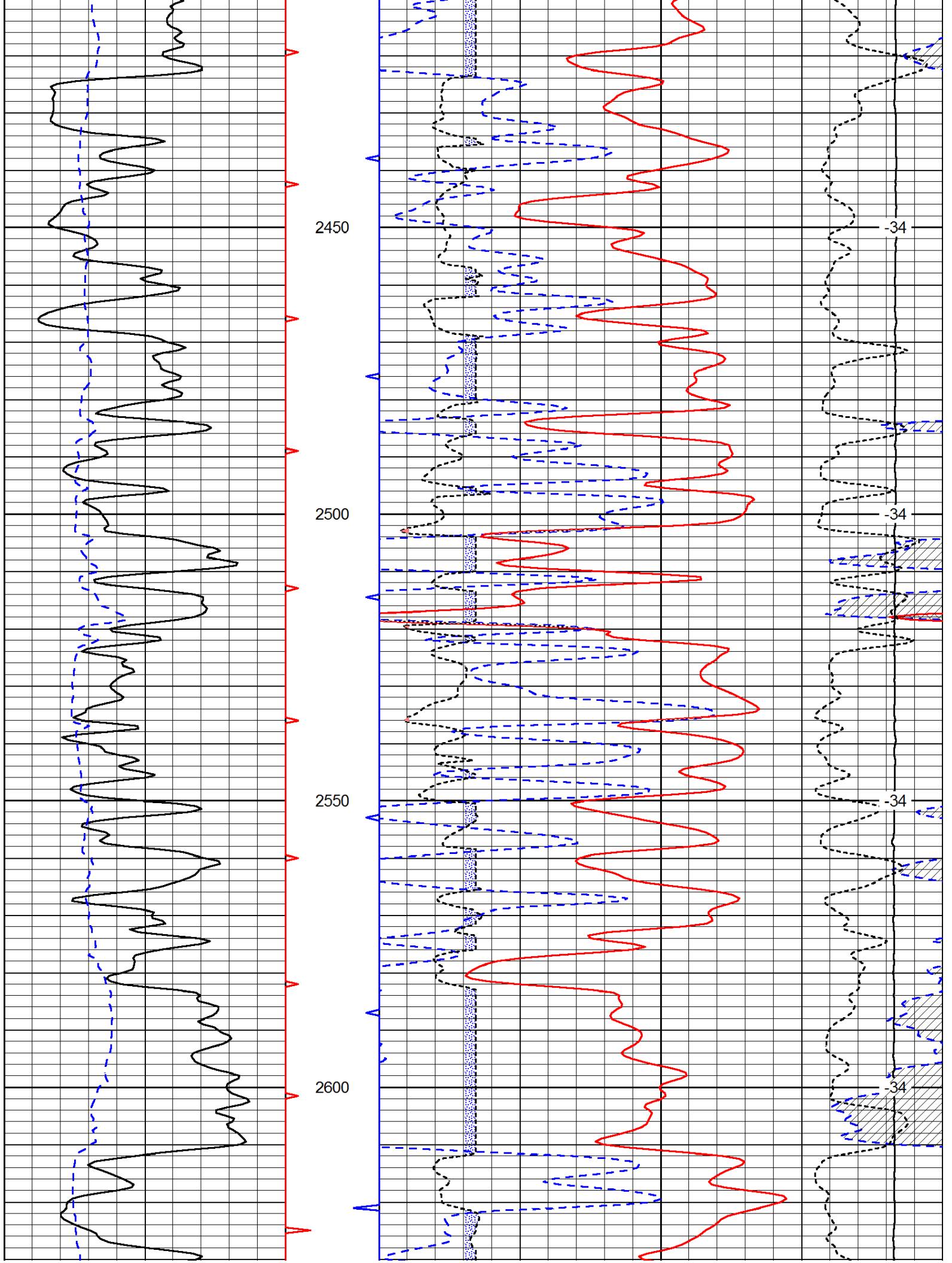
30	Compensated Neutron (Limestone)		-10
30	Compensated Density (Limestone)		-10
2.625	DGA	3.425 -0.25	Correction 0.25
15000	Line Tension		0
			LSPD

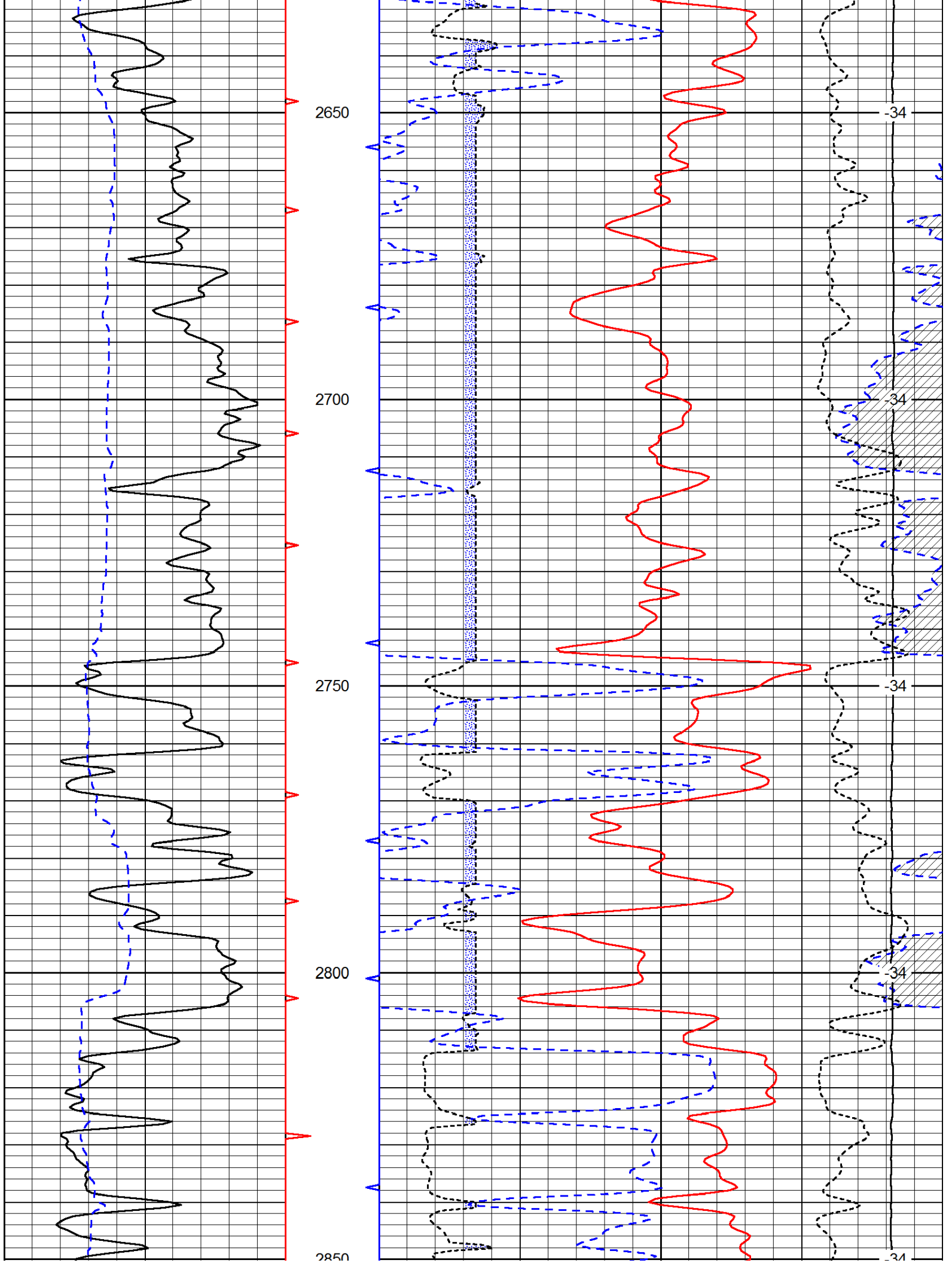




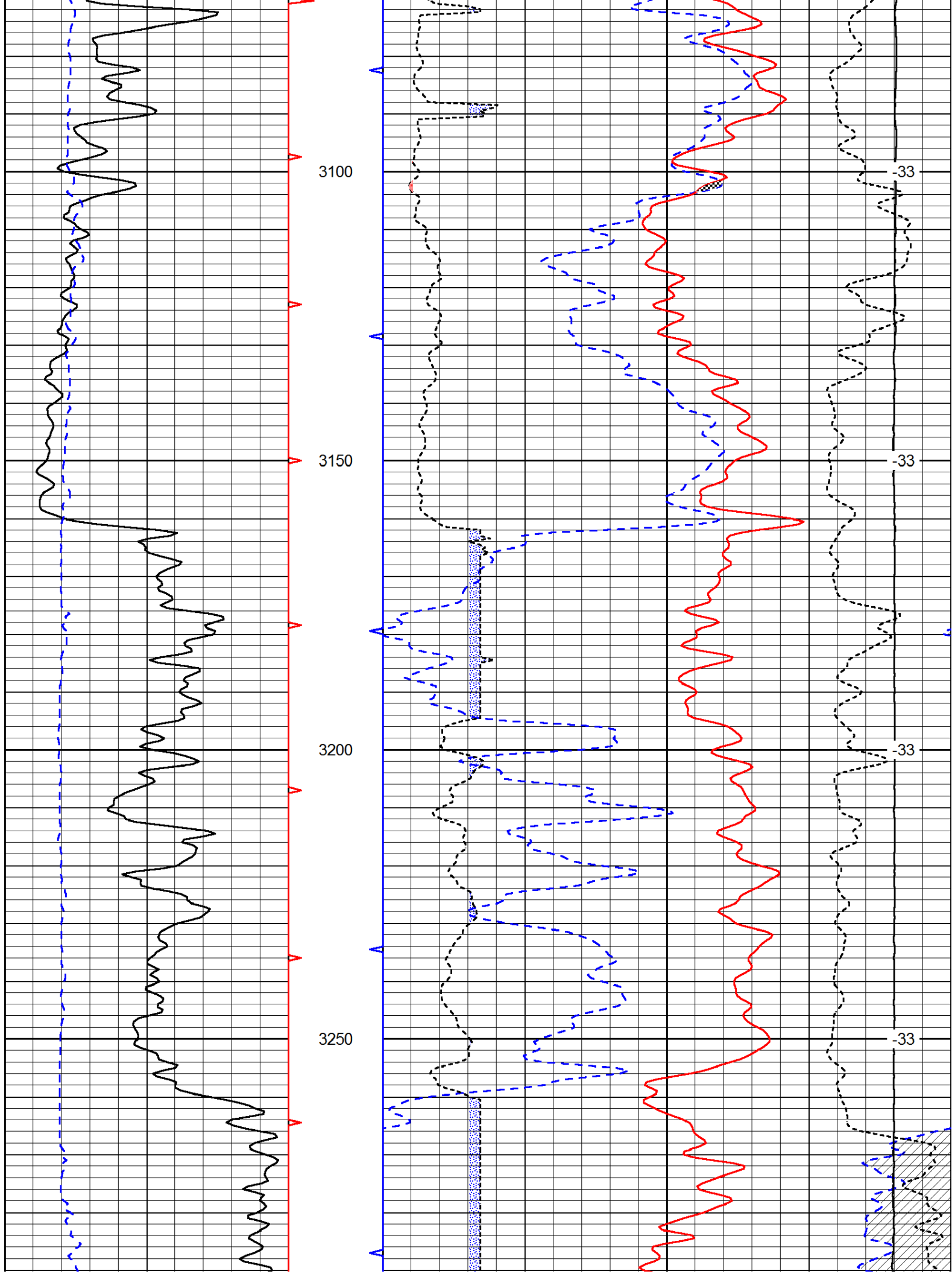


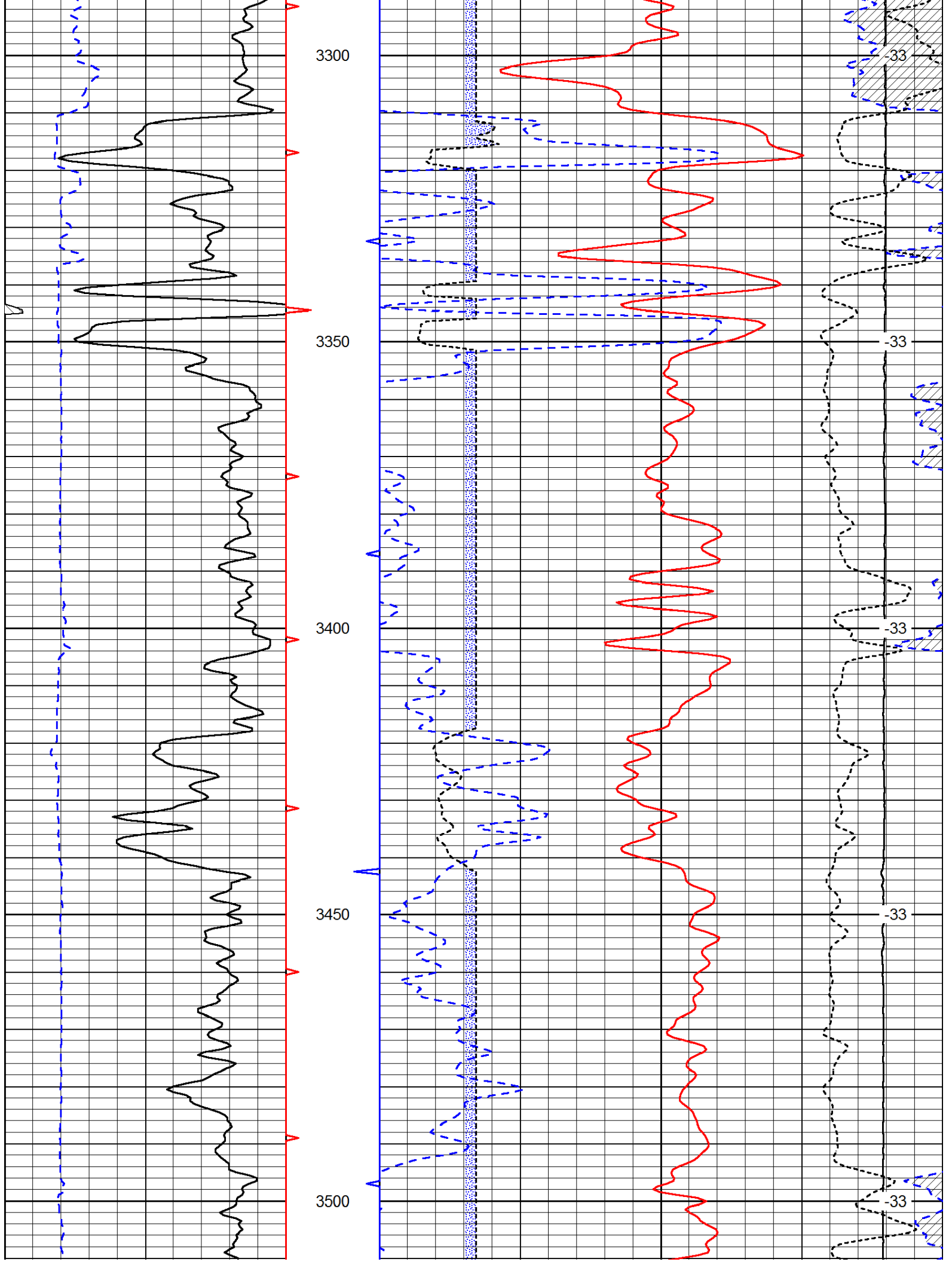


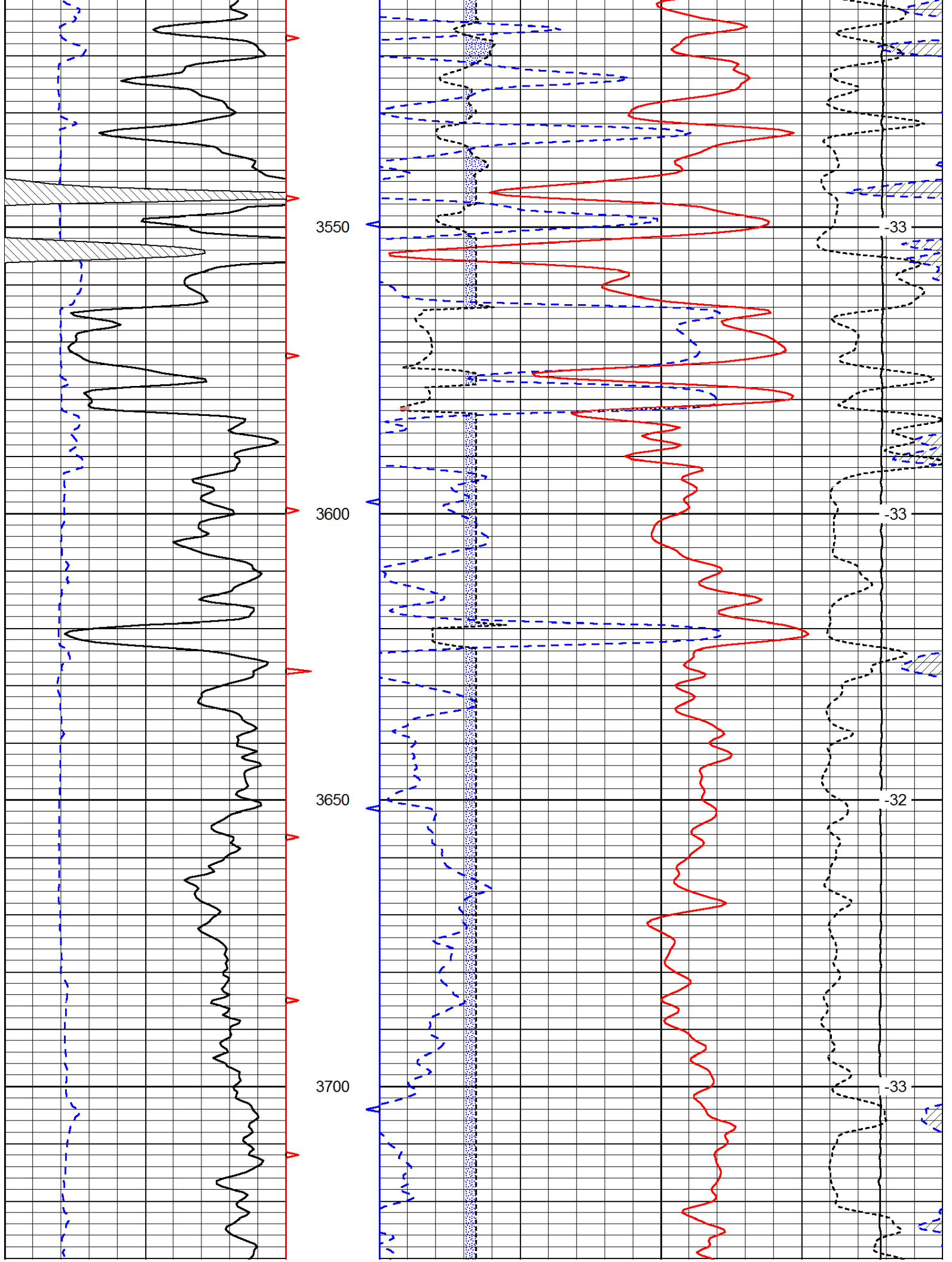


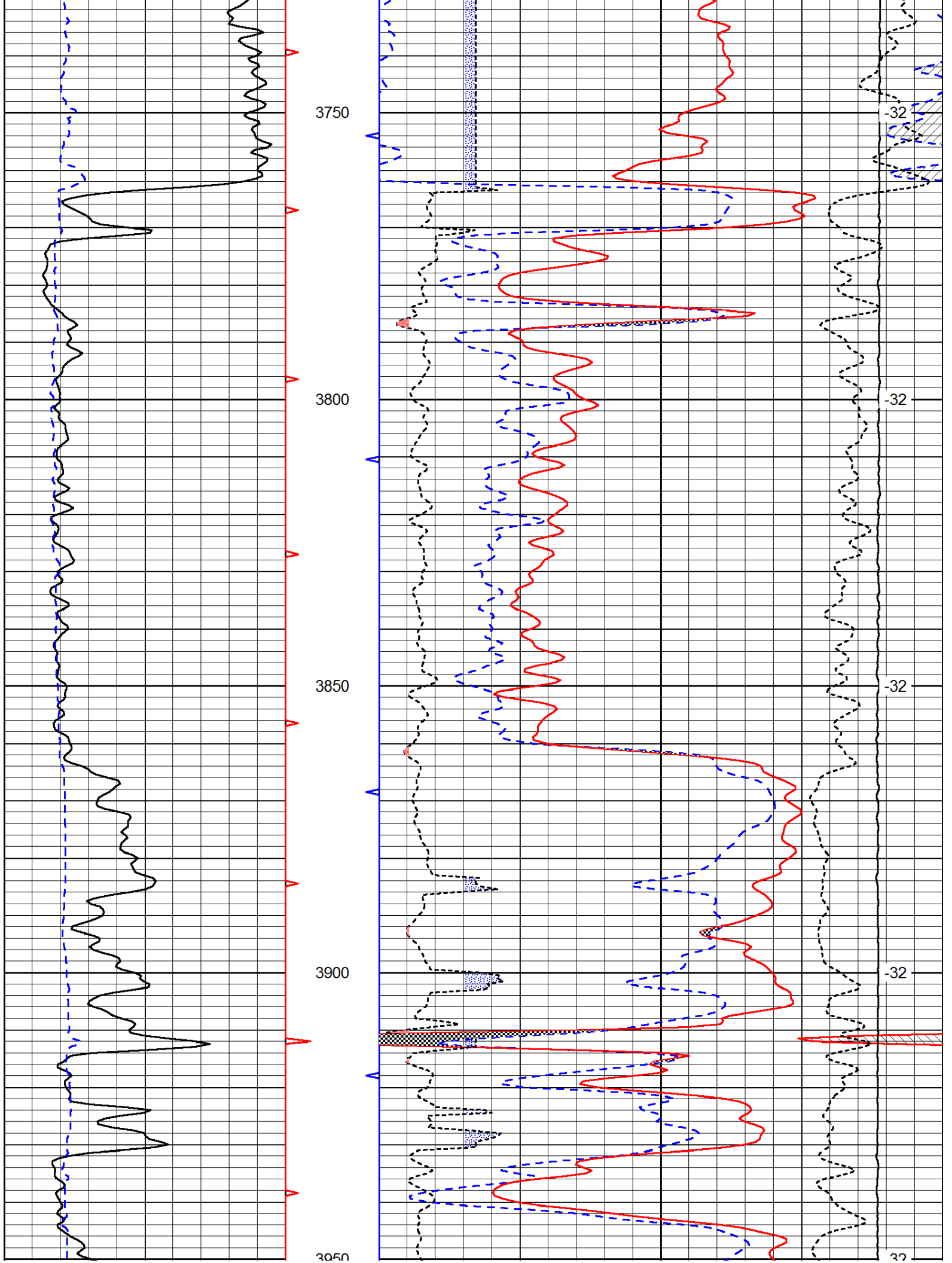


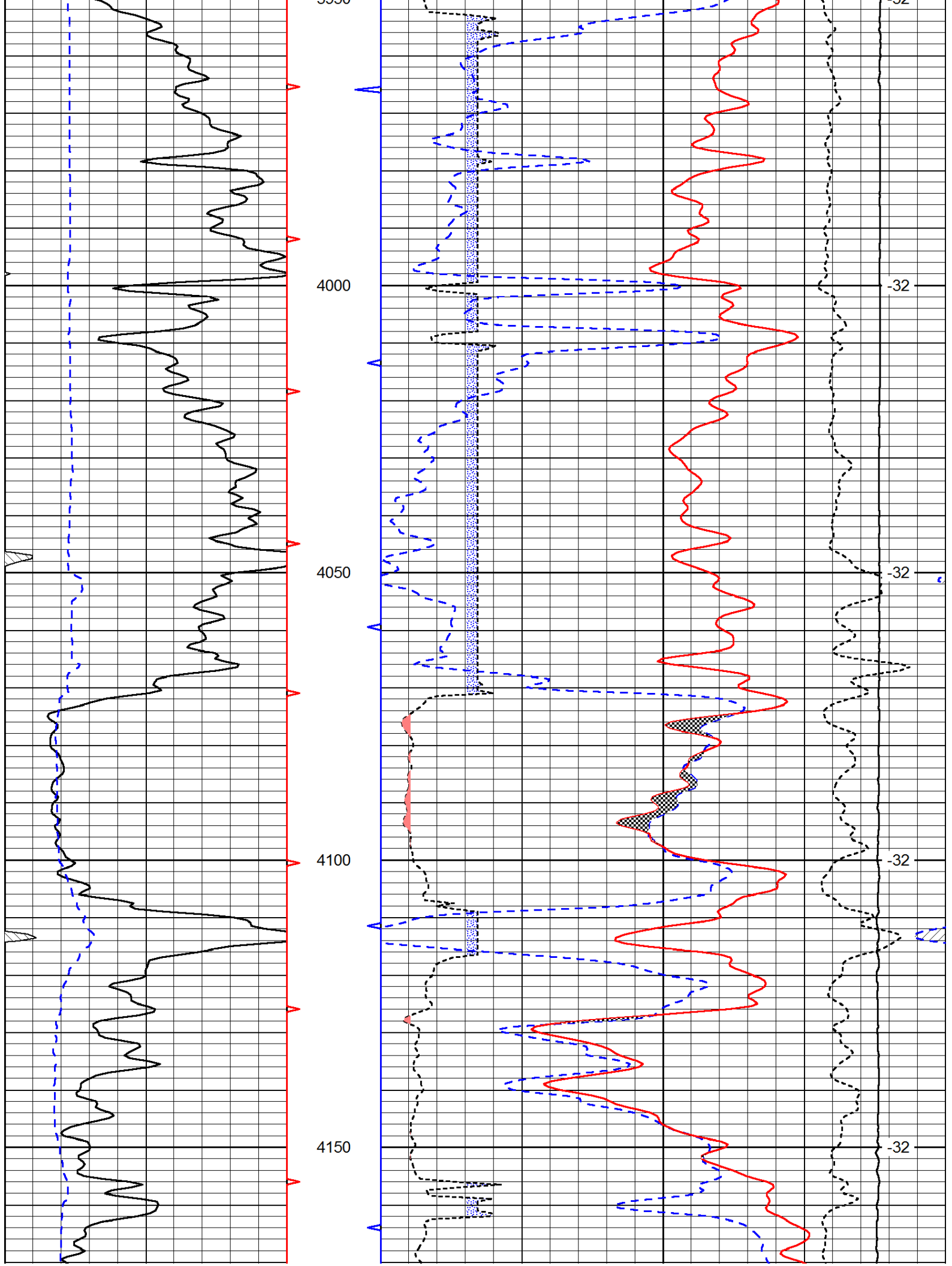


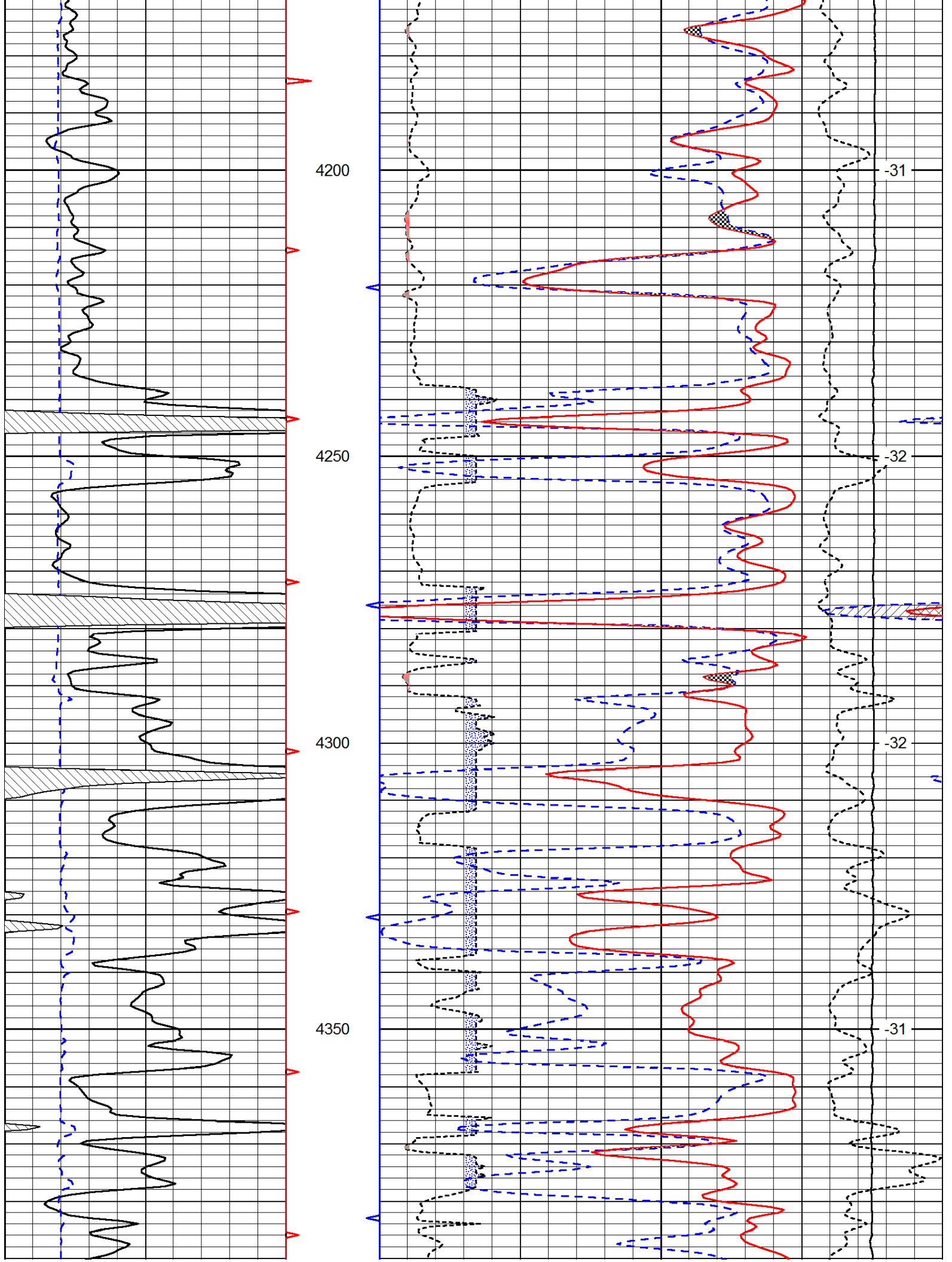




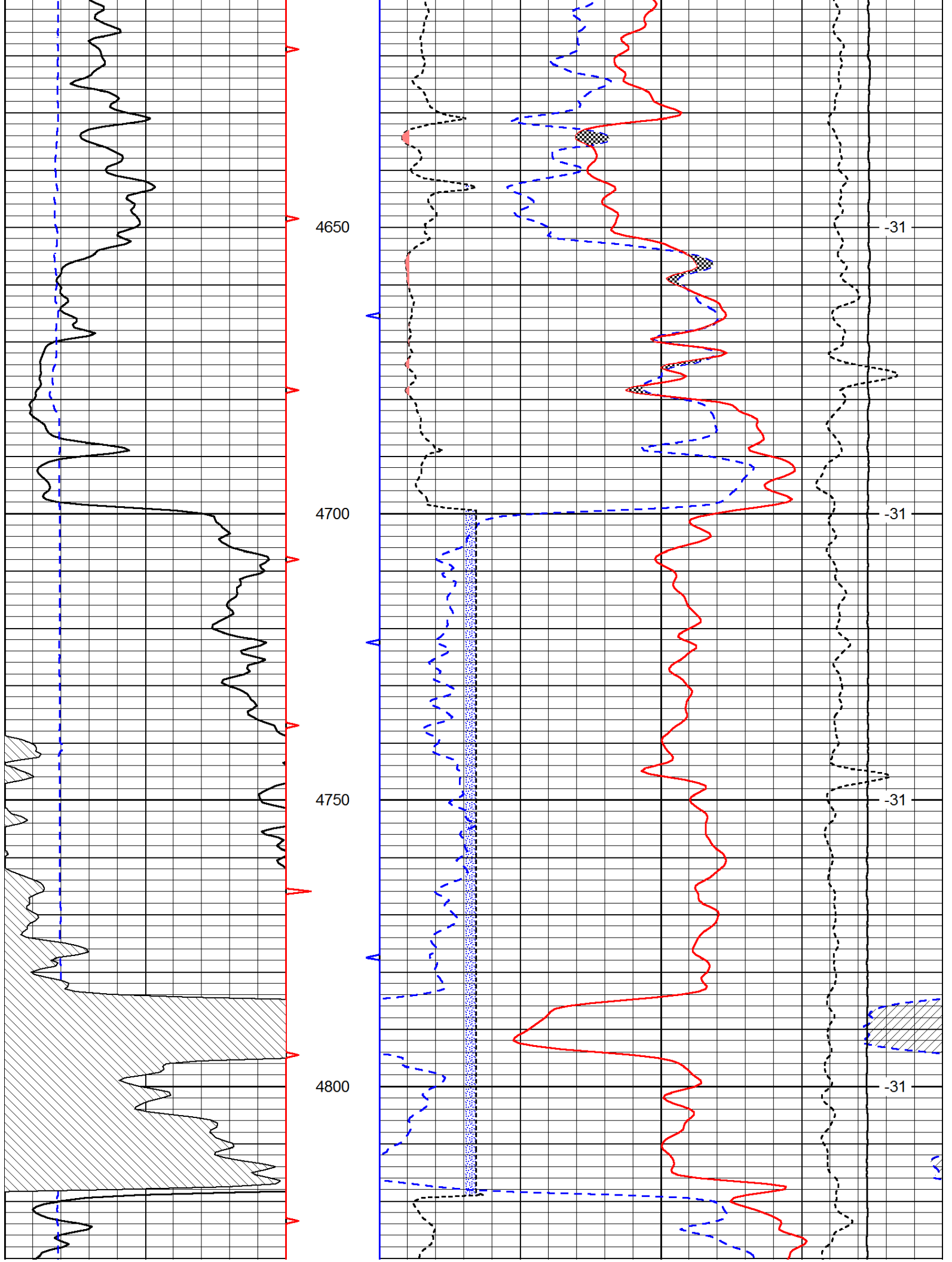


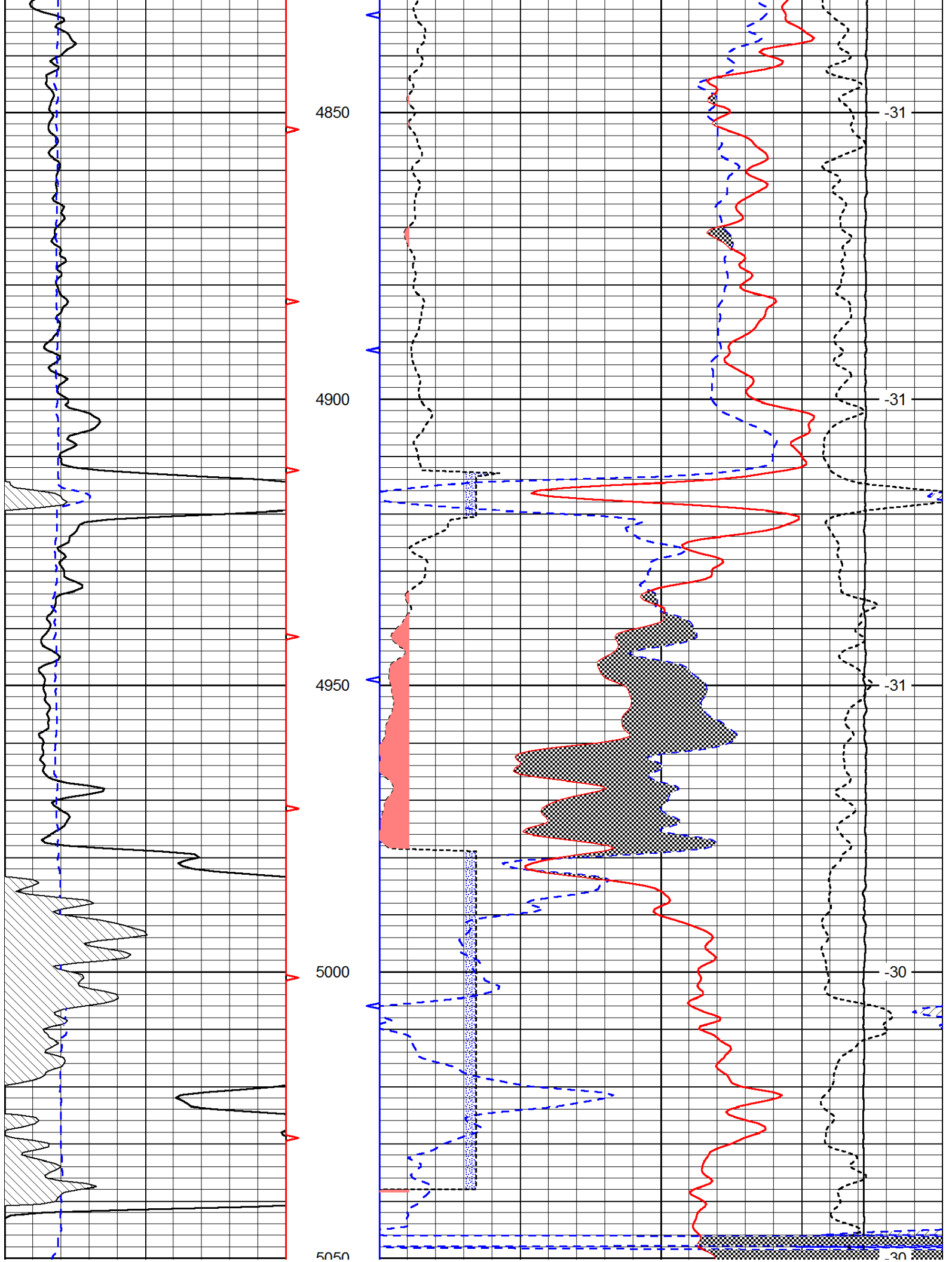


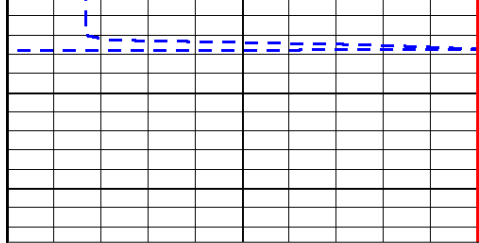




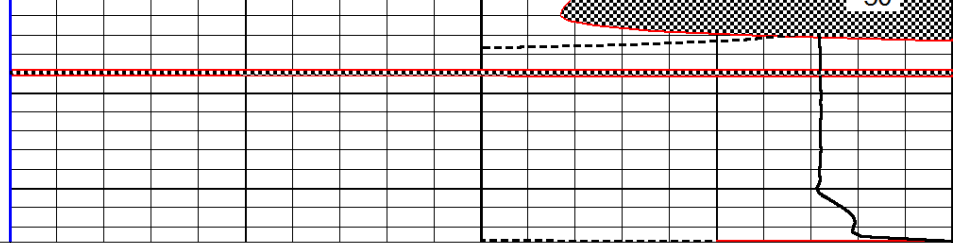








3330



0	Gamma Ray	150
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6	Caliper (GAPI)	16
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30	Compensated Neutron (Limestone)	-10
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30	Compensated Density (Limestone)	-10
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2.625	DGA	3.425	-0.25	Correction	0.25
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15000	Line Tension	0
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LSPD
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