



Pioneer Energy Services

Dual Compensated Porosity Log

15-007-24,190-00-00

API No.

Company **Woolsey Operating Company, LLC**
 Well **Warren Fee #11**
 Field **Medicine Lodge North**
 County **Barber** State **Kansas**

Location **SE NW
1900' FNL & 1950' FWL**
 Sec: **19** Twp: **32S** Rge: **12W**

Permanent Datum **Ground Level** Elevation **1644**
 Log Measured From **Kelly Bushing** 12 Ft. Above Perm. Datum
 Drilling Measured From **Bushing**

Other Services
DIL
Elevation
K.B. 1656
D.F. 1644
G.L. 1644

Date	7/27/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	4906
Depth Logger	4908
Bottom Logged Interval	4887
Top Logged Interval	1900
Type Fluid In Hole	Chemical
Salinity, PPM CL	5000
Density	9.0
Level	Full
Max. Rec. Temp. F	125
Operating Rig Time	3 Hours
Equipment -- Location	15 Days
Recorded By	D Kerr
Witnessed By	Bill Klaver

Borehole Record		Casing Record					
Run No.	Bit From	To	Size	Wgt.	From	To	
1	12.25	00	235	8.625	24#	00	235
2	7.875	235	4906				

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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

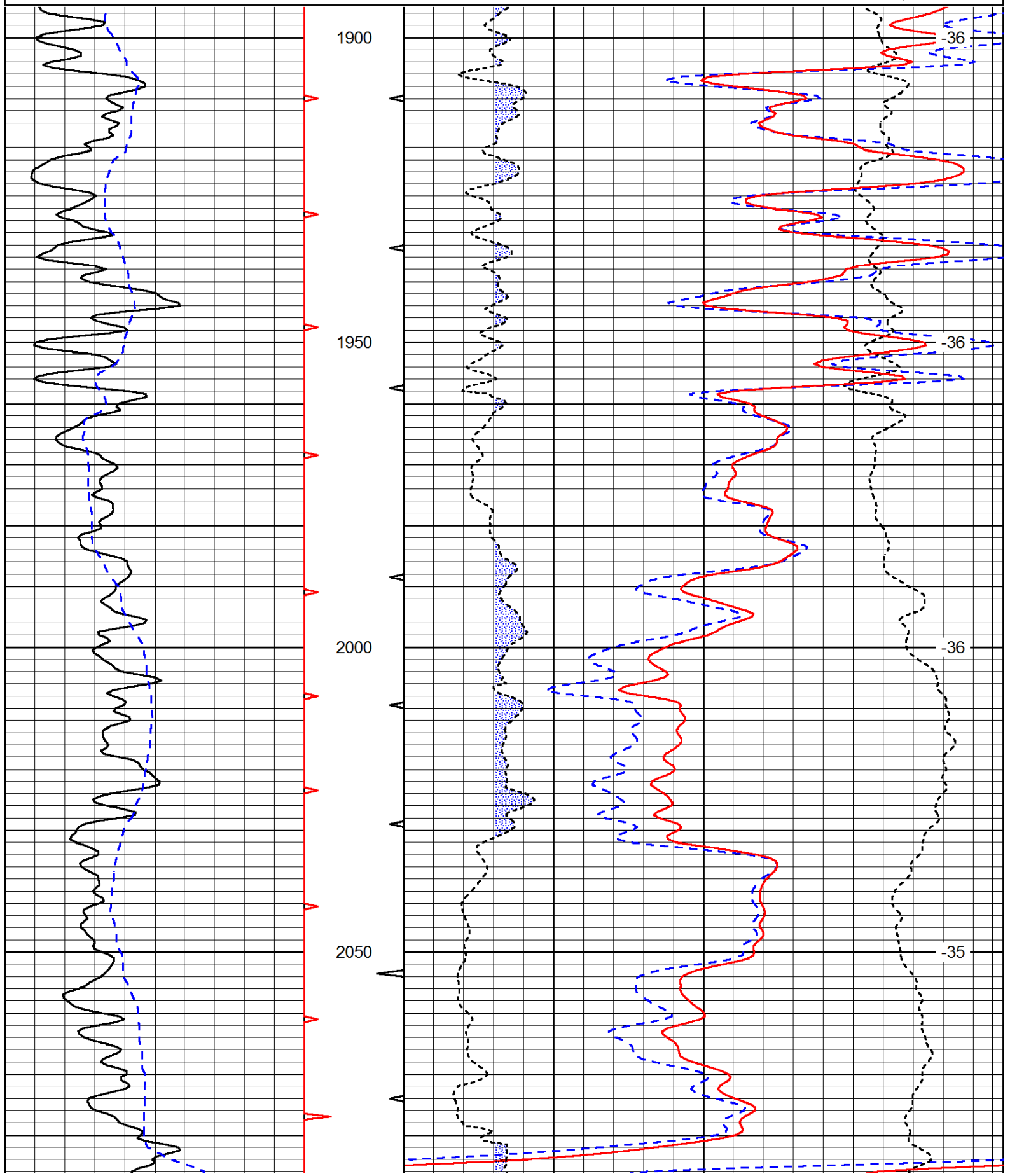
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

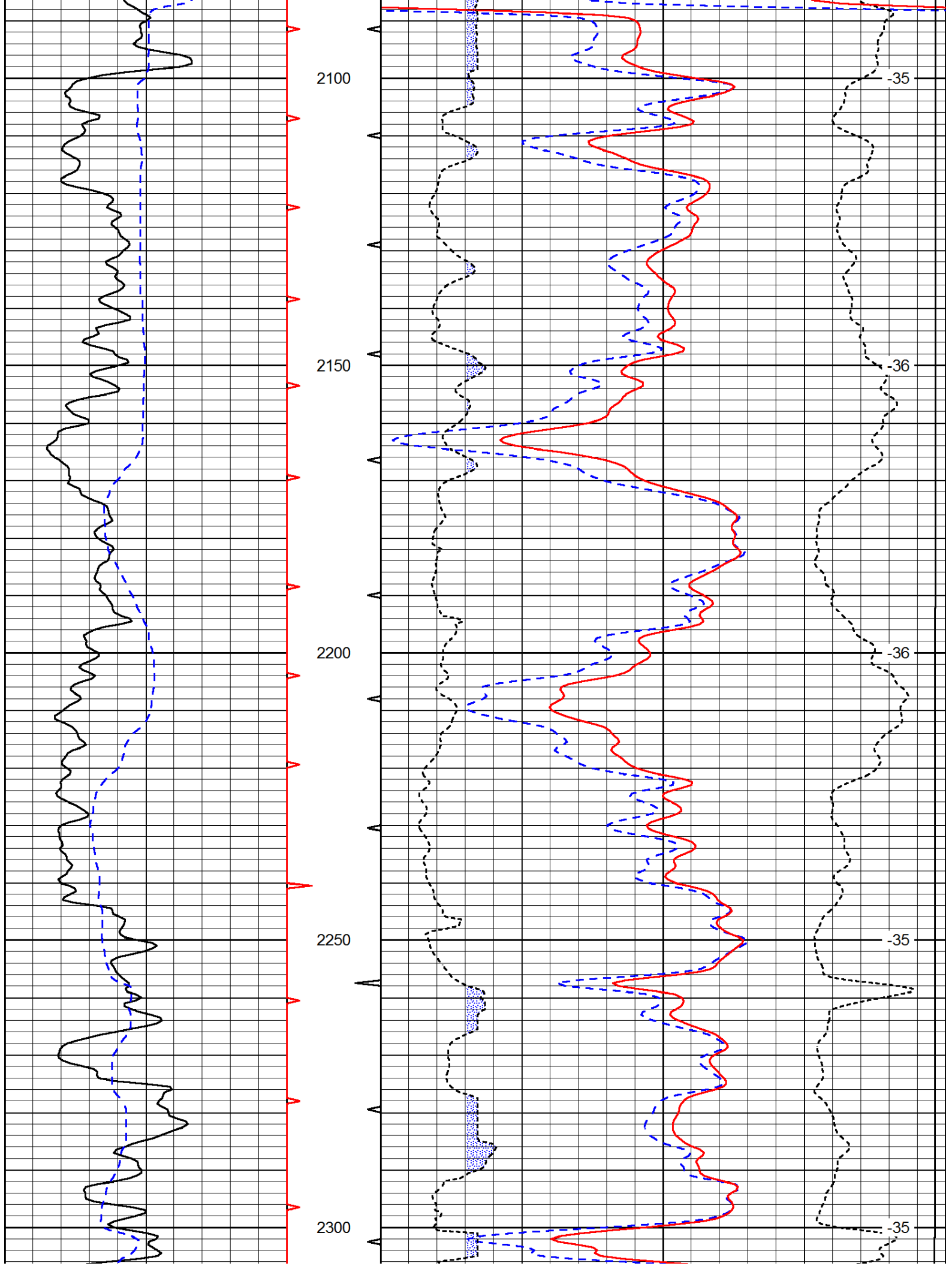
Medicine Lodge KS, 4 West to Gyp Hill RD,
 4 South, West and North Into(2 Miles)

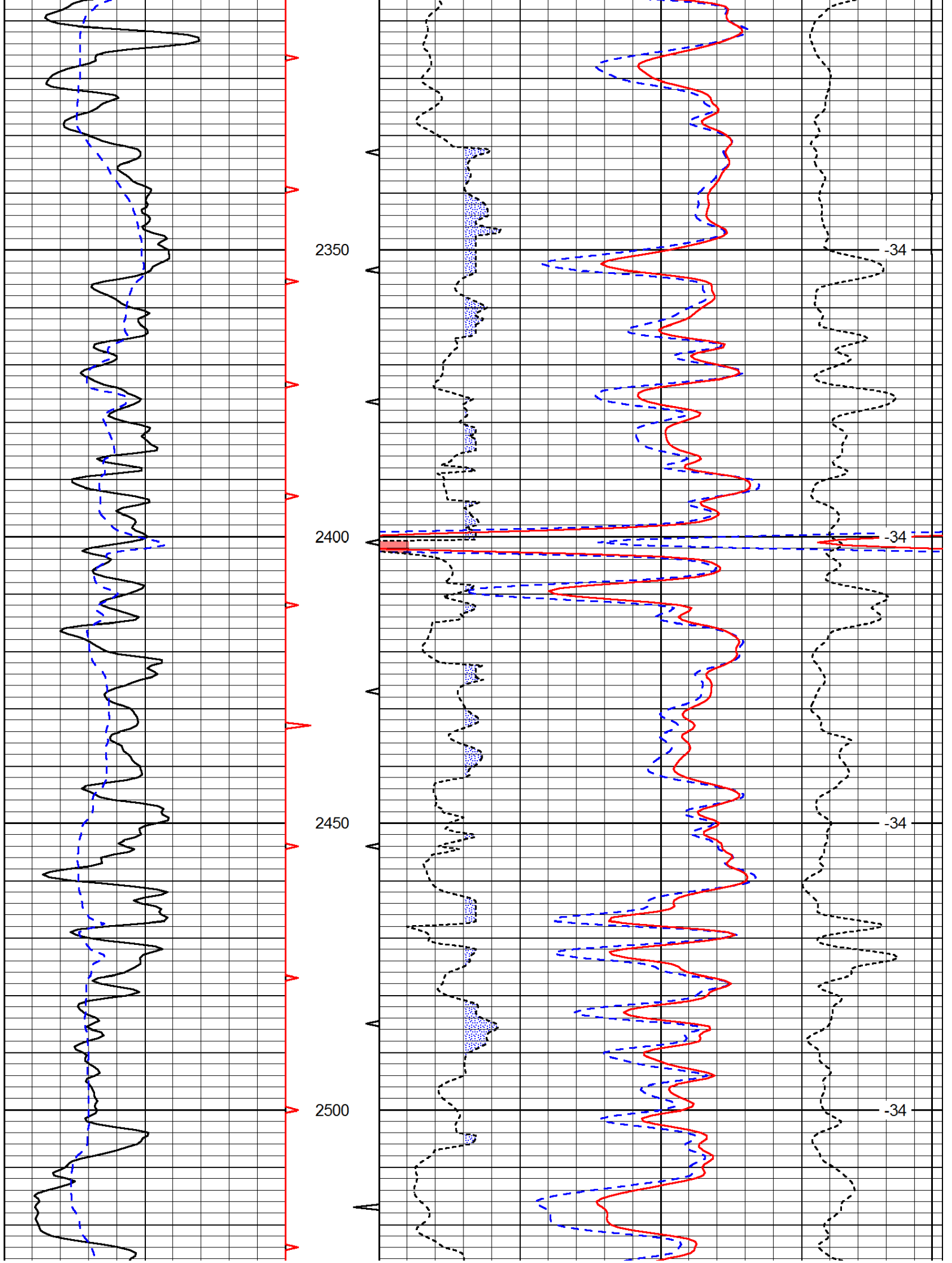
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 Dataset Creation: Sun Jul 27 04:25:20 2014
 Charted by: Depth in Feet scaled 1:240

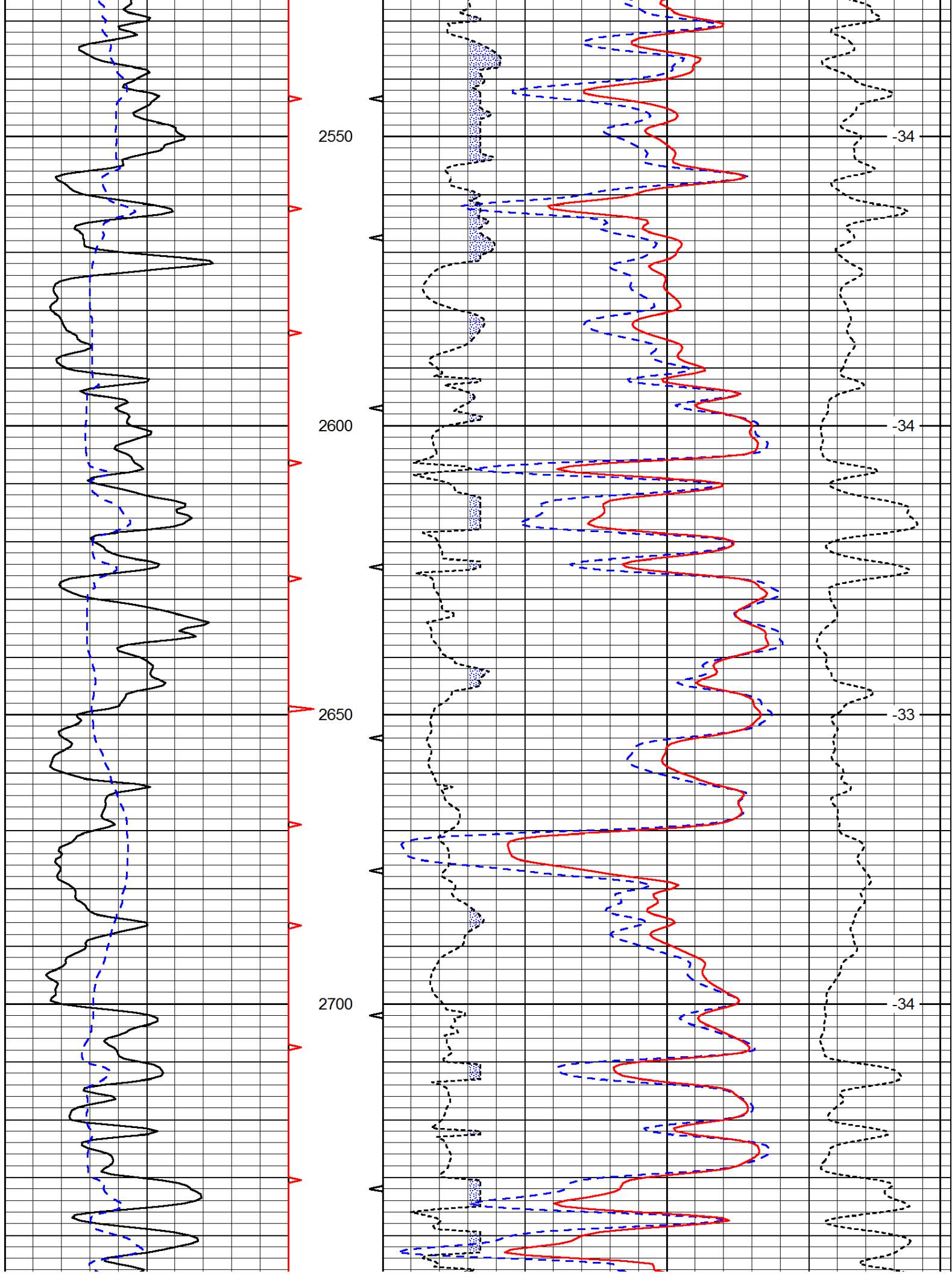
0	Gamma Ray	150
6	Caliper (GAPI)	16

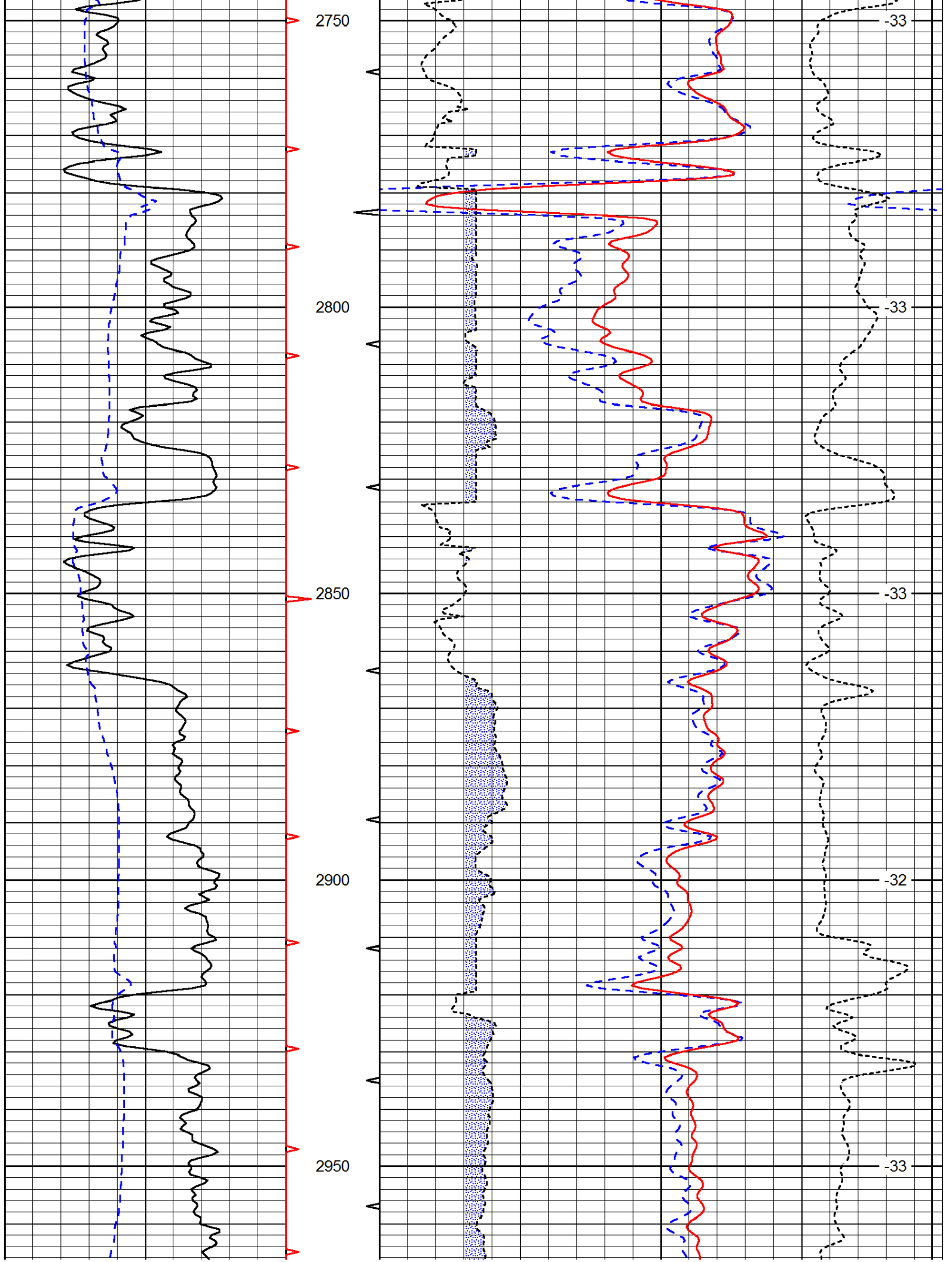
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

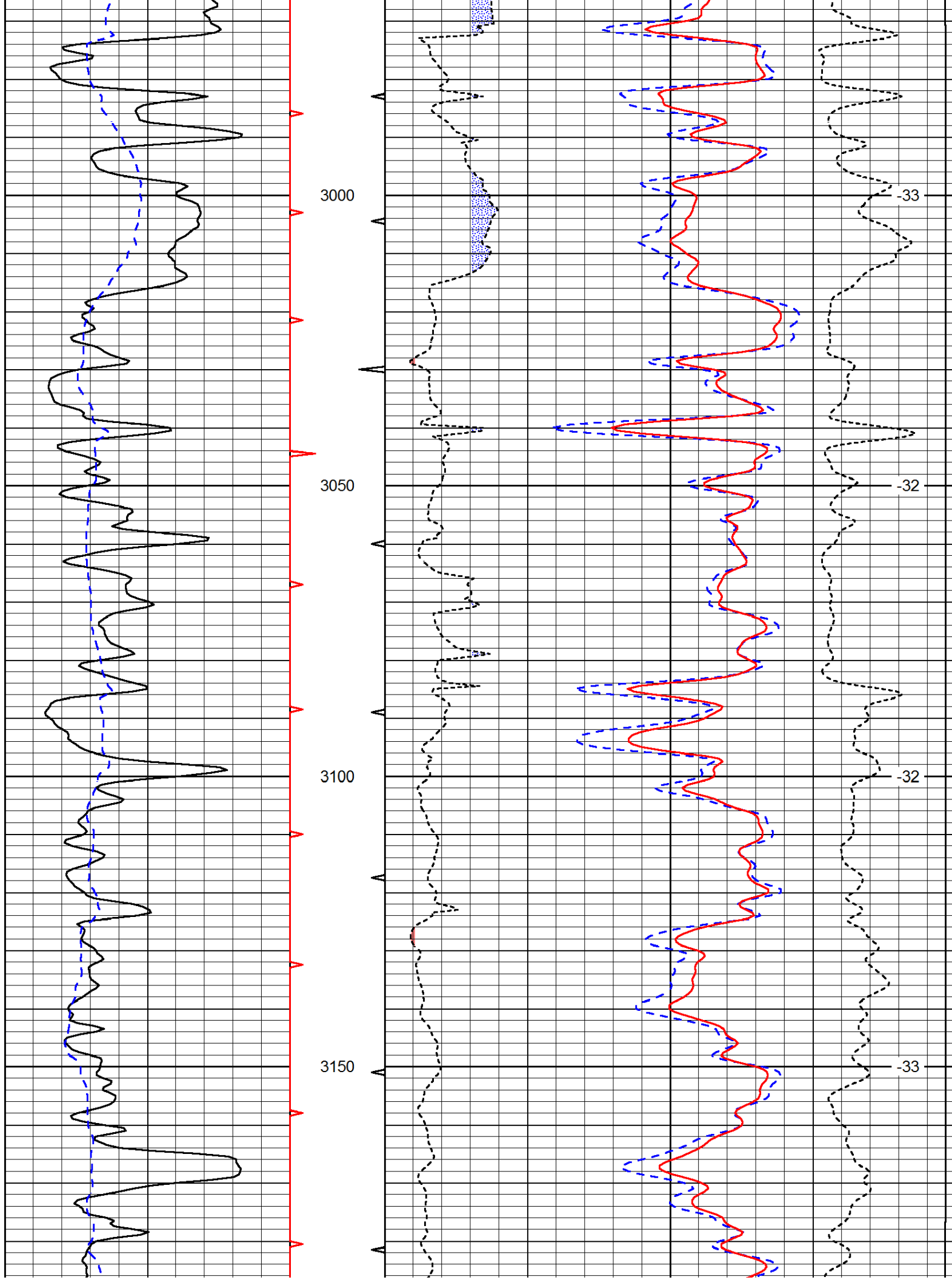


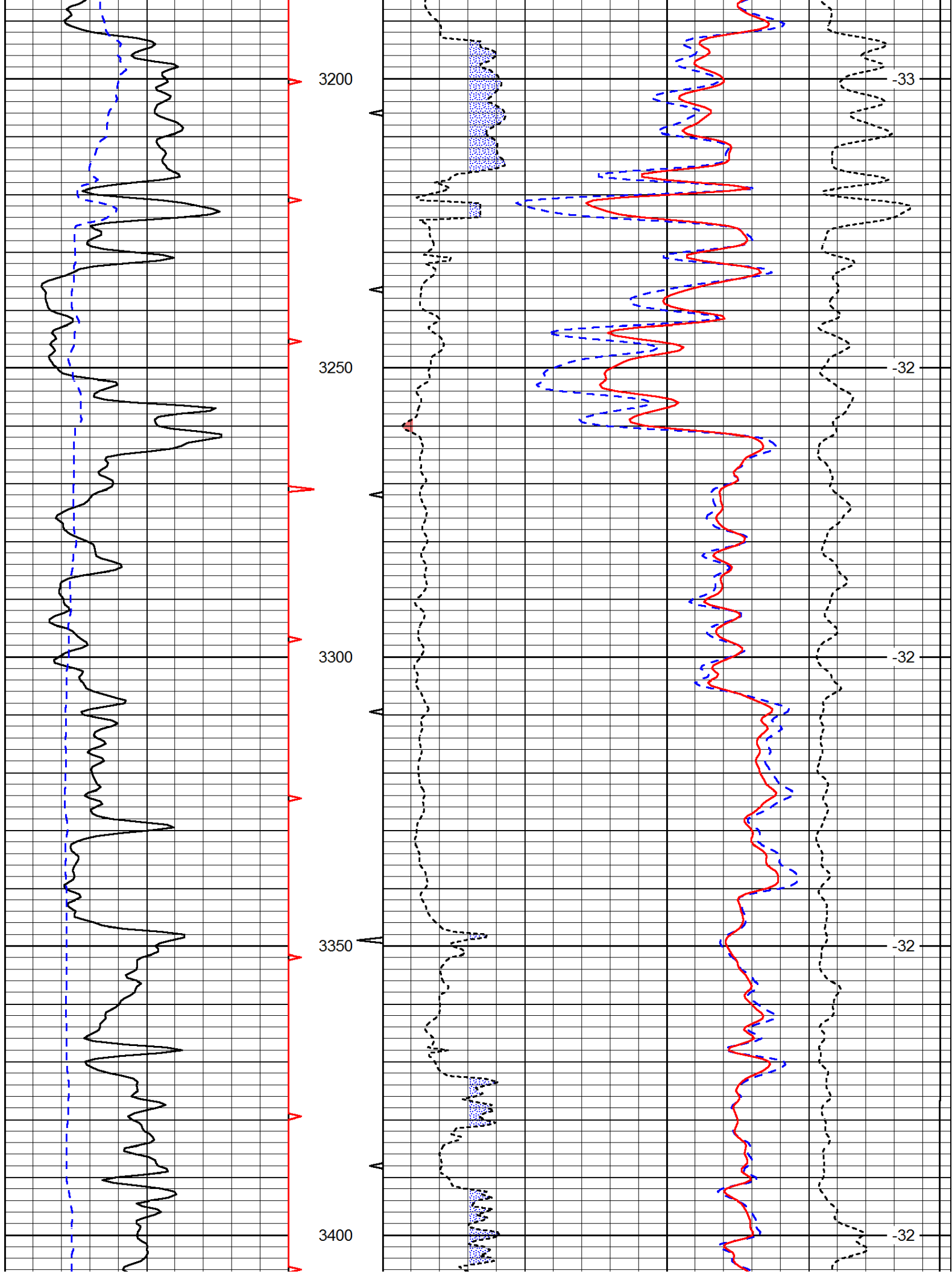


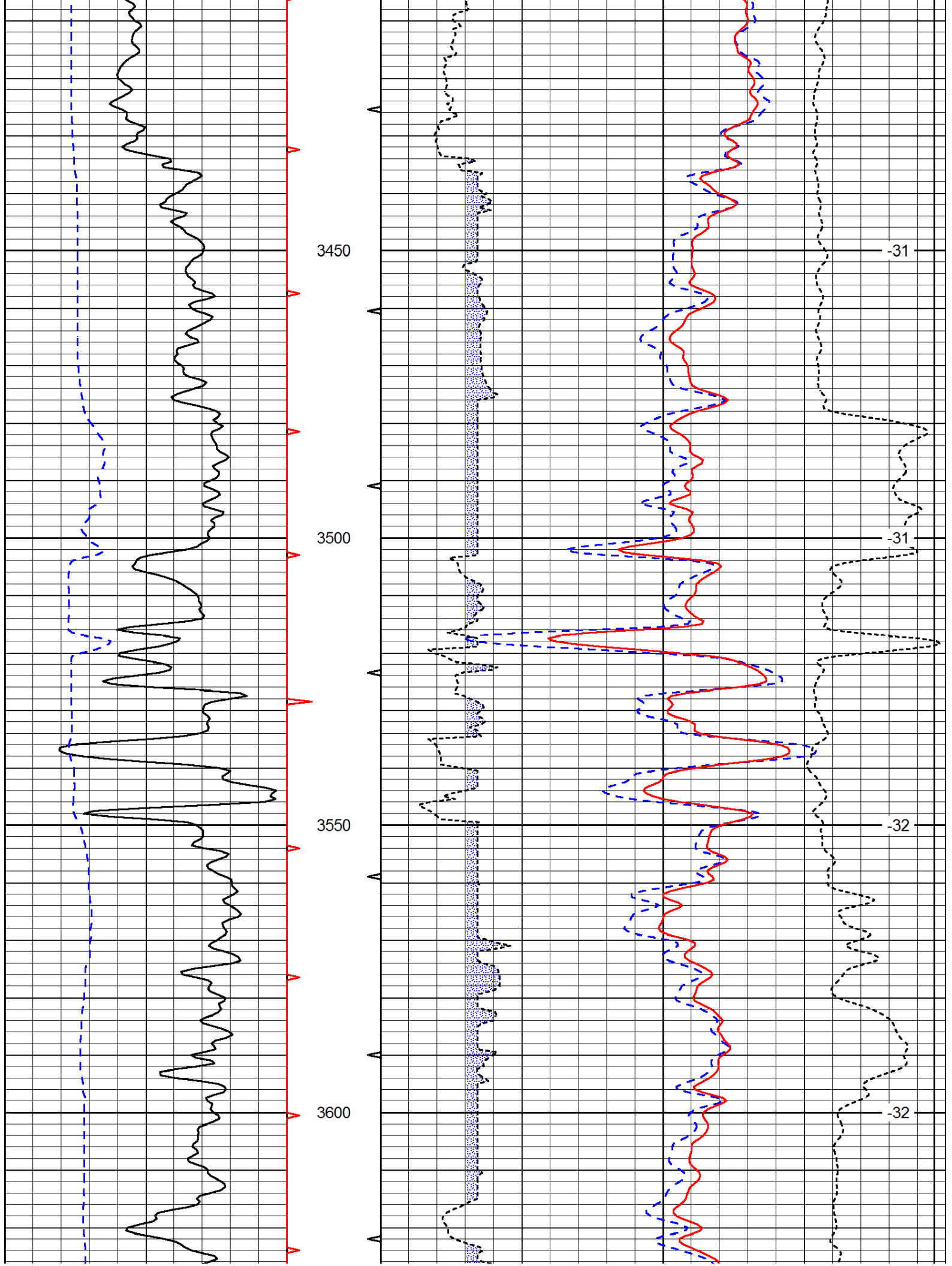


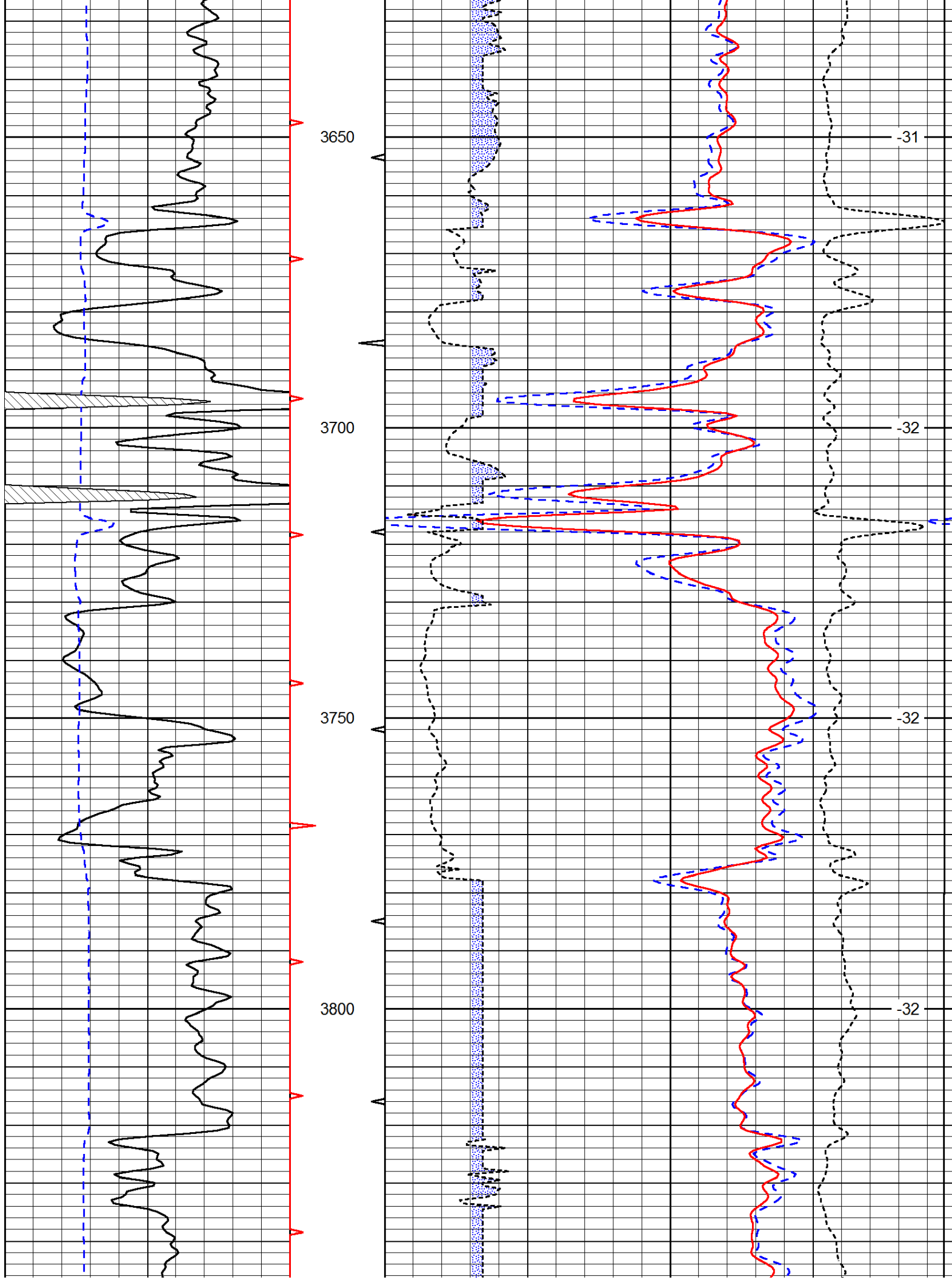


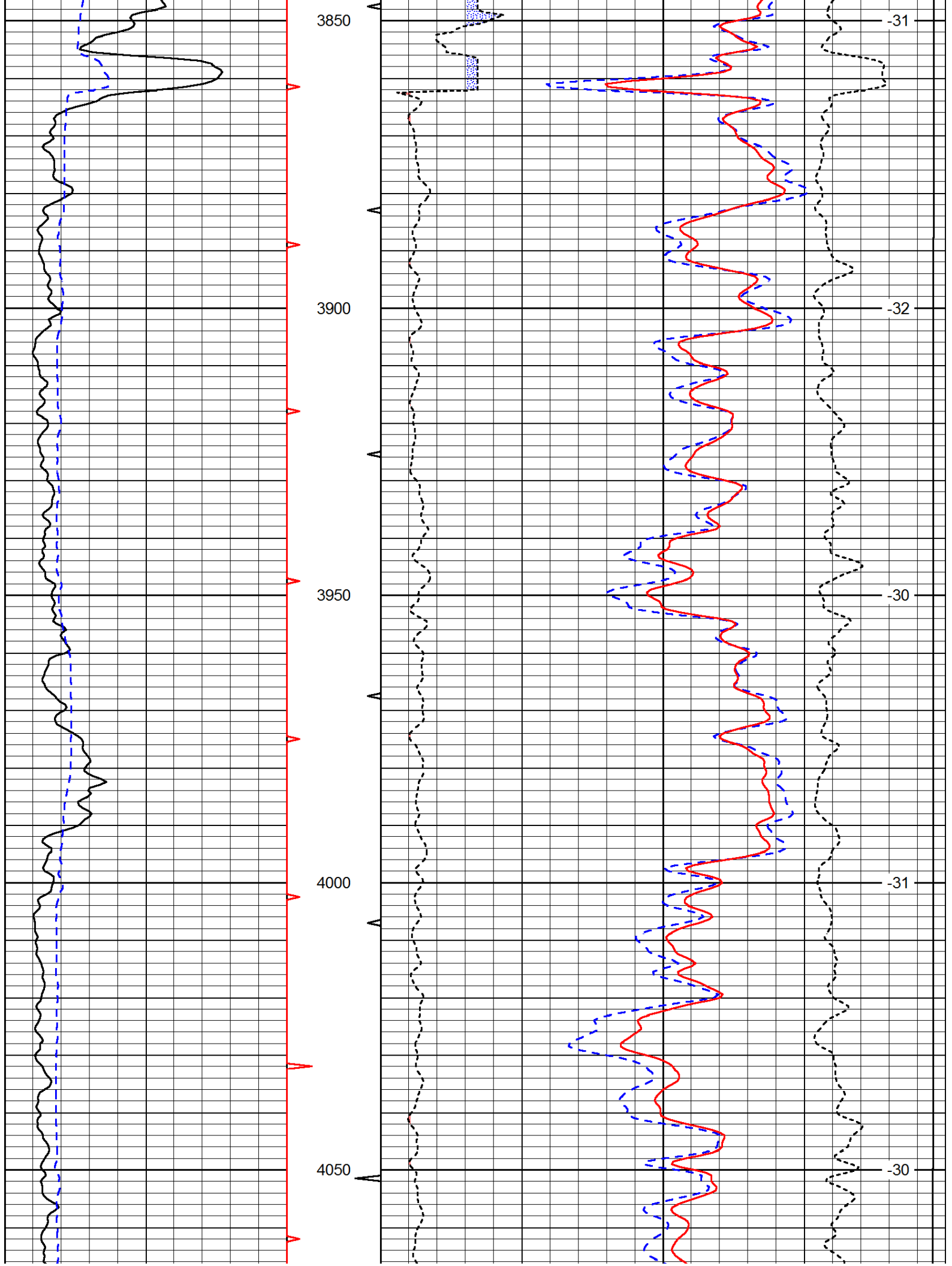


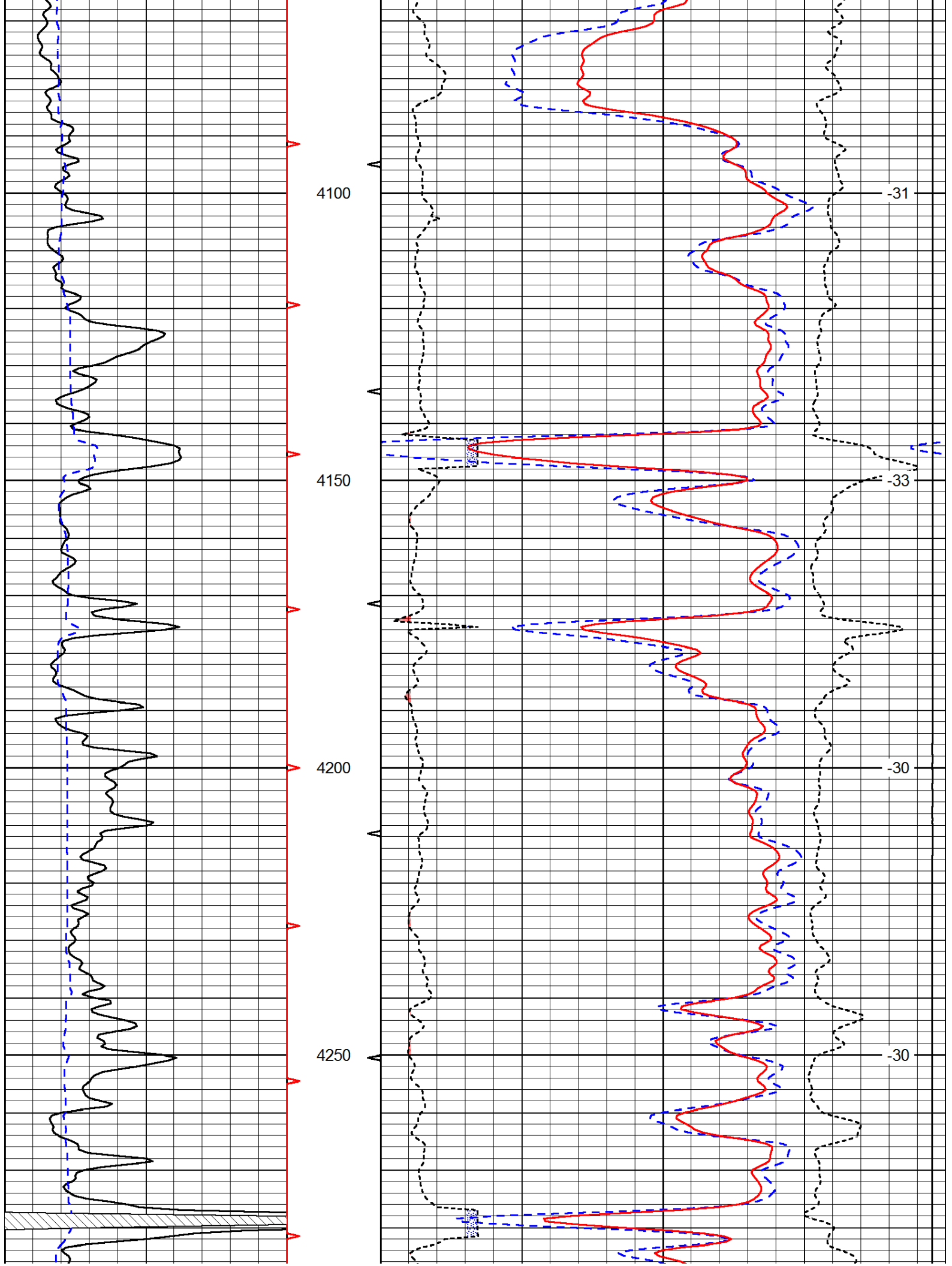


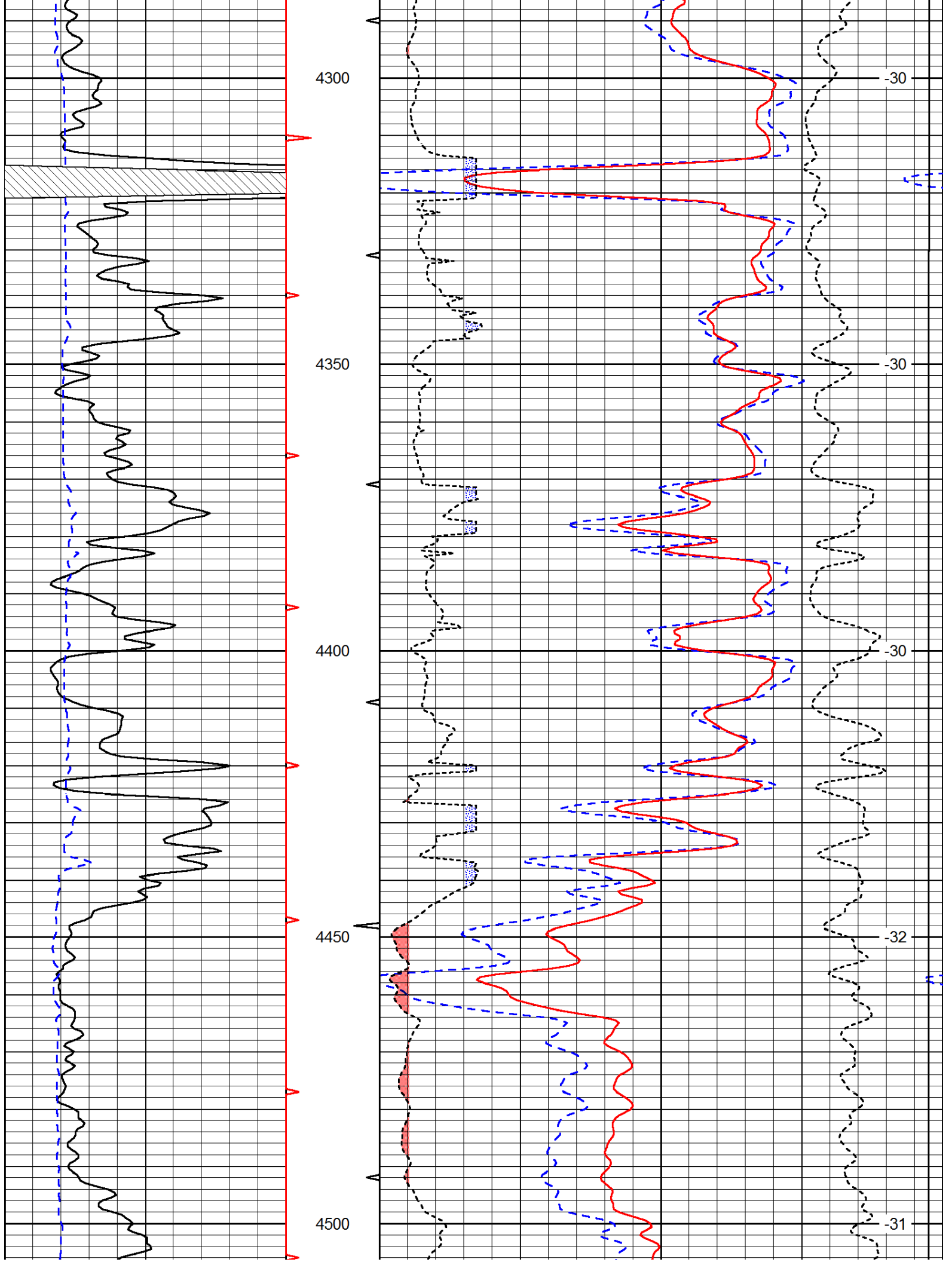


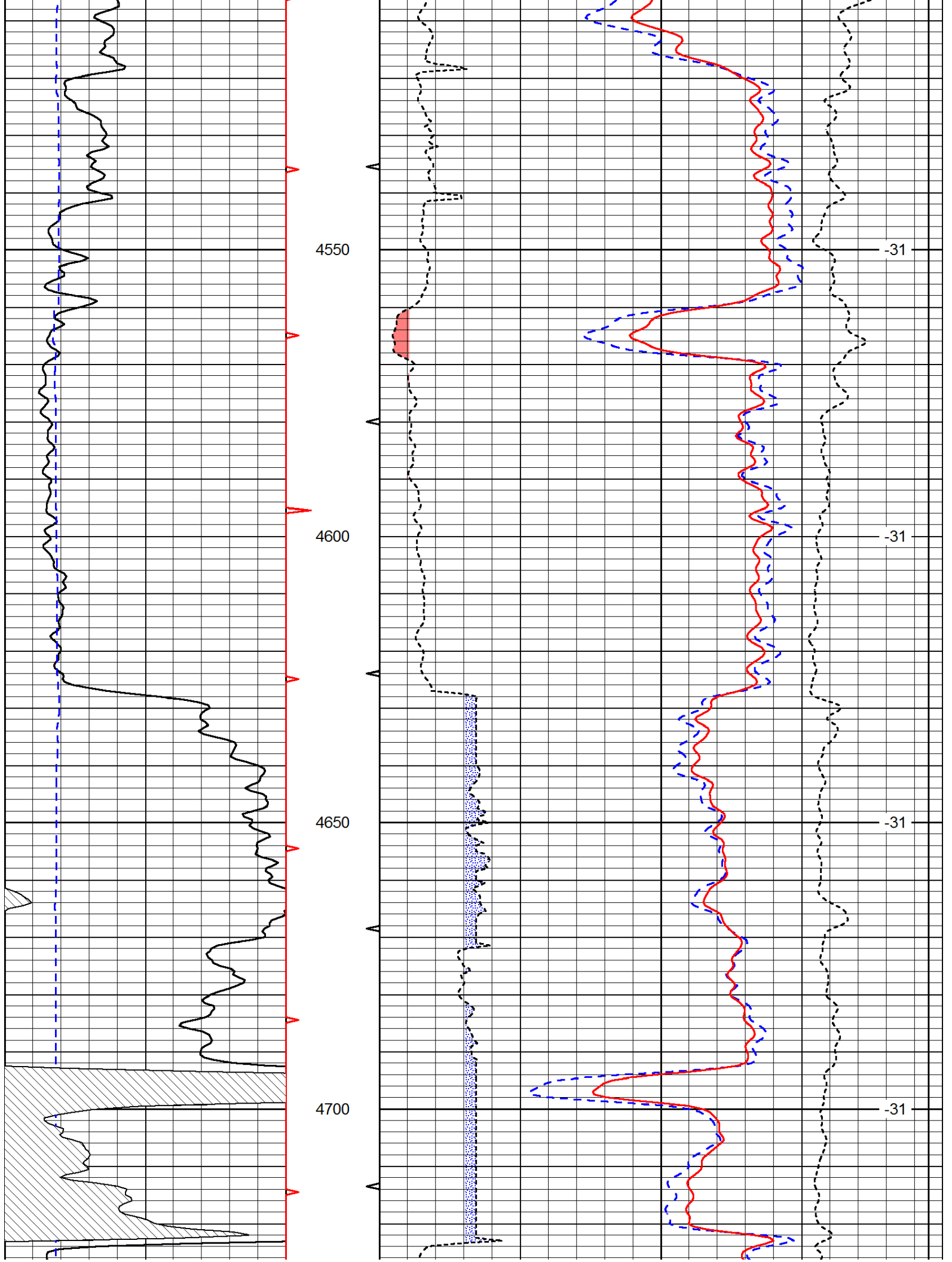


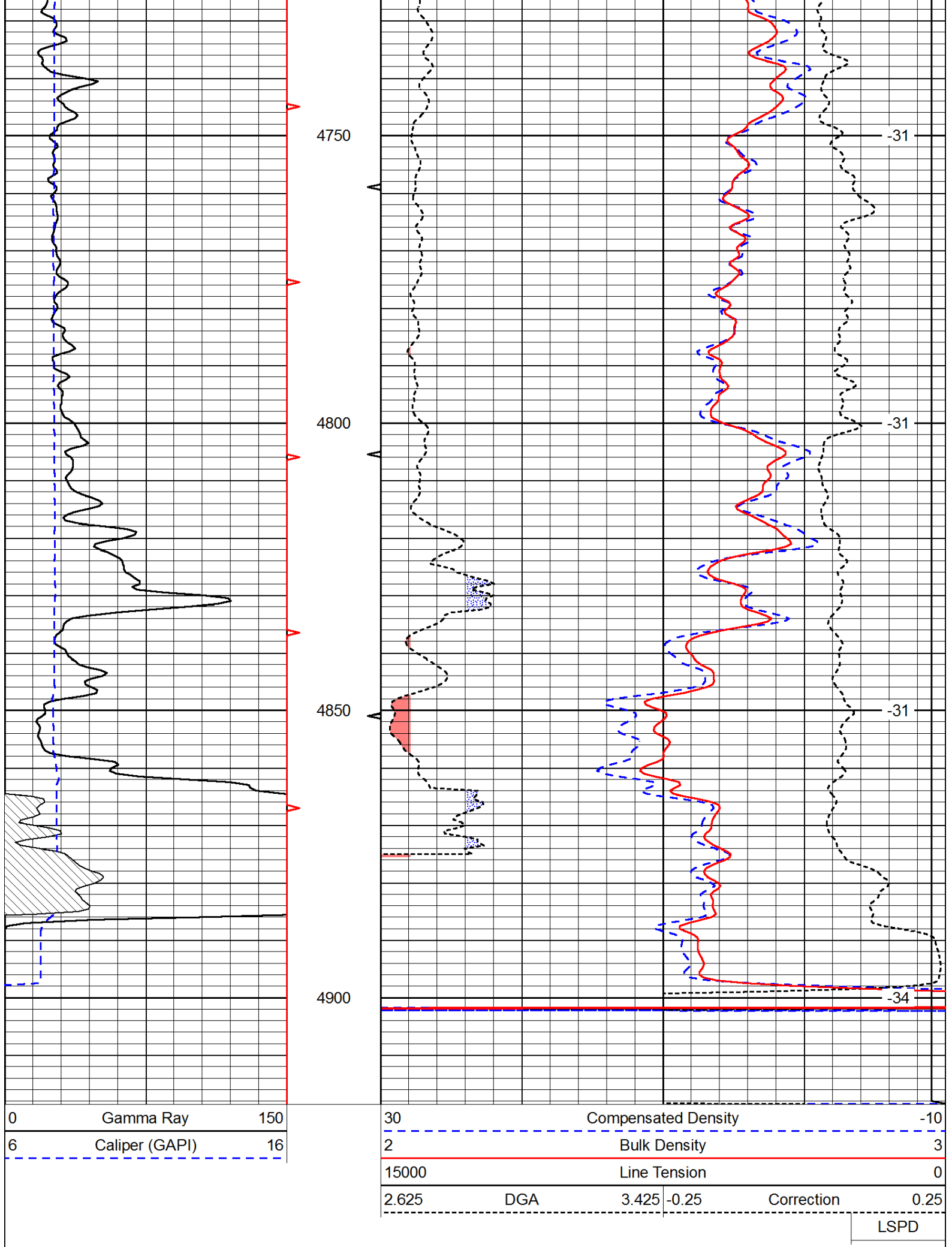










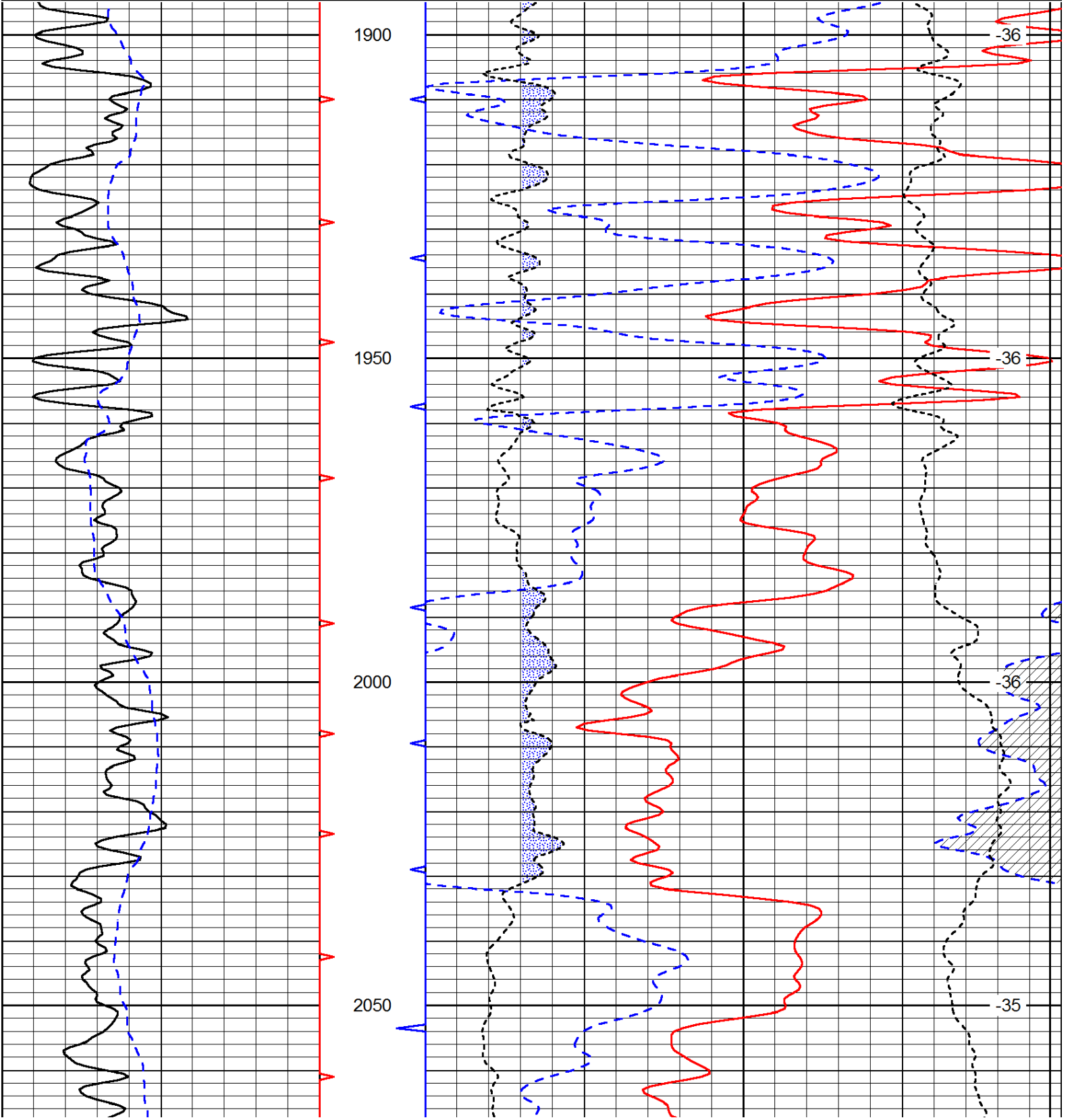


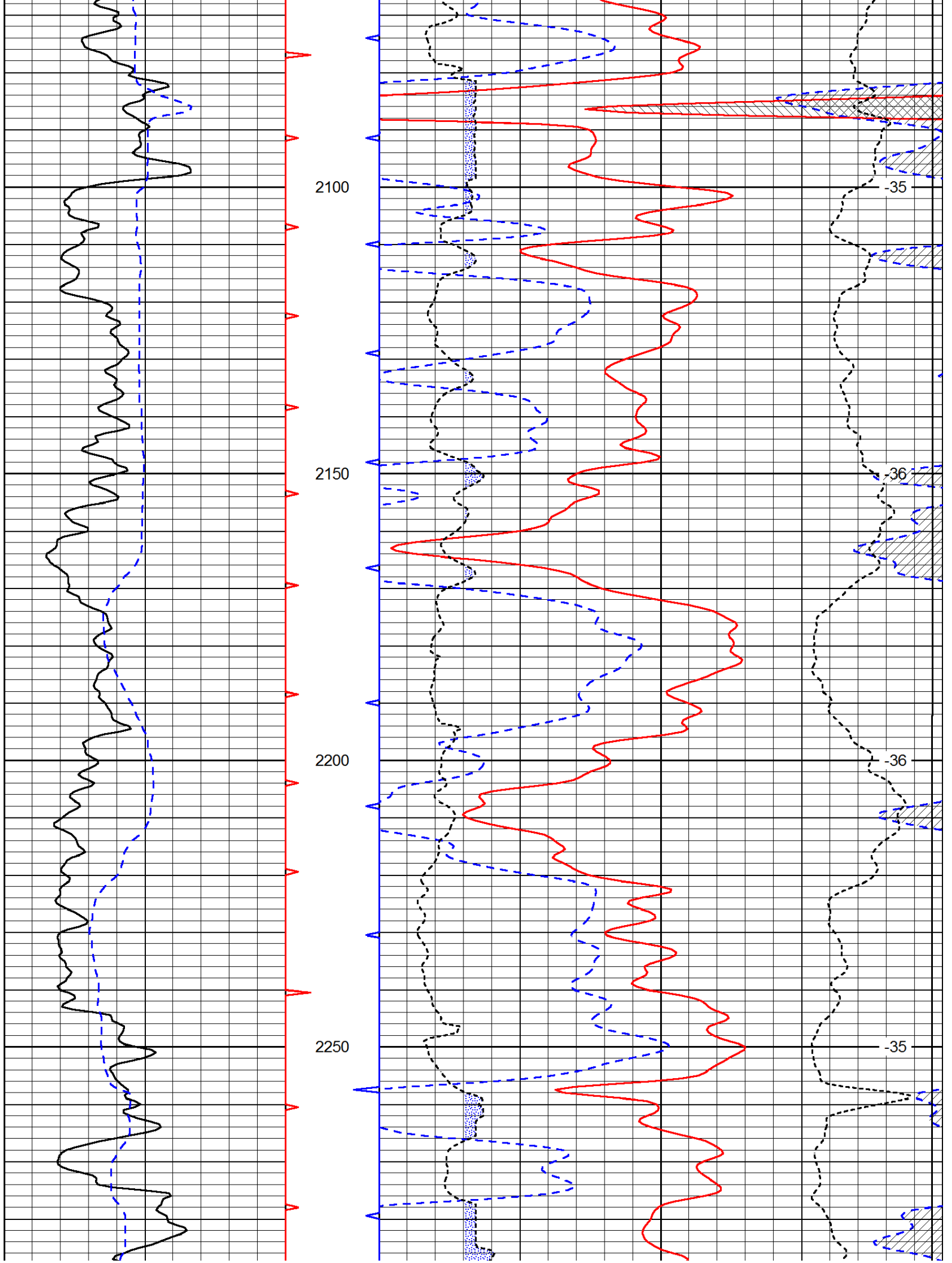
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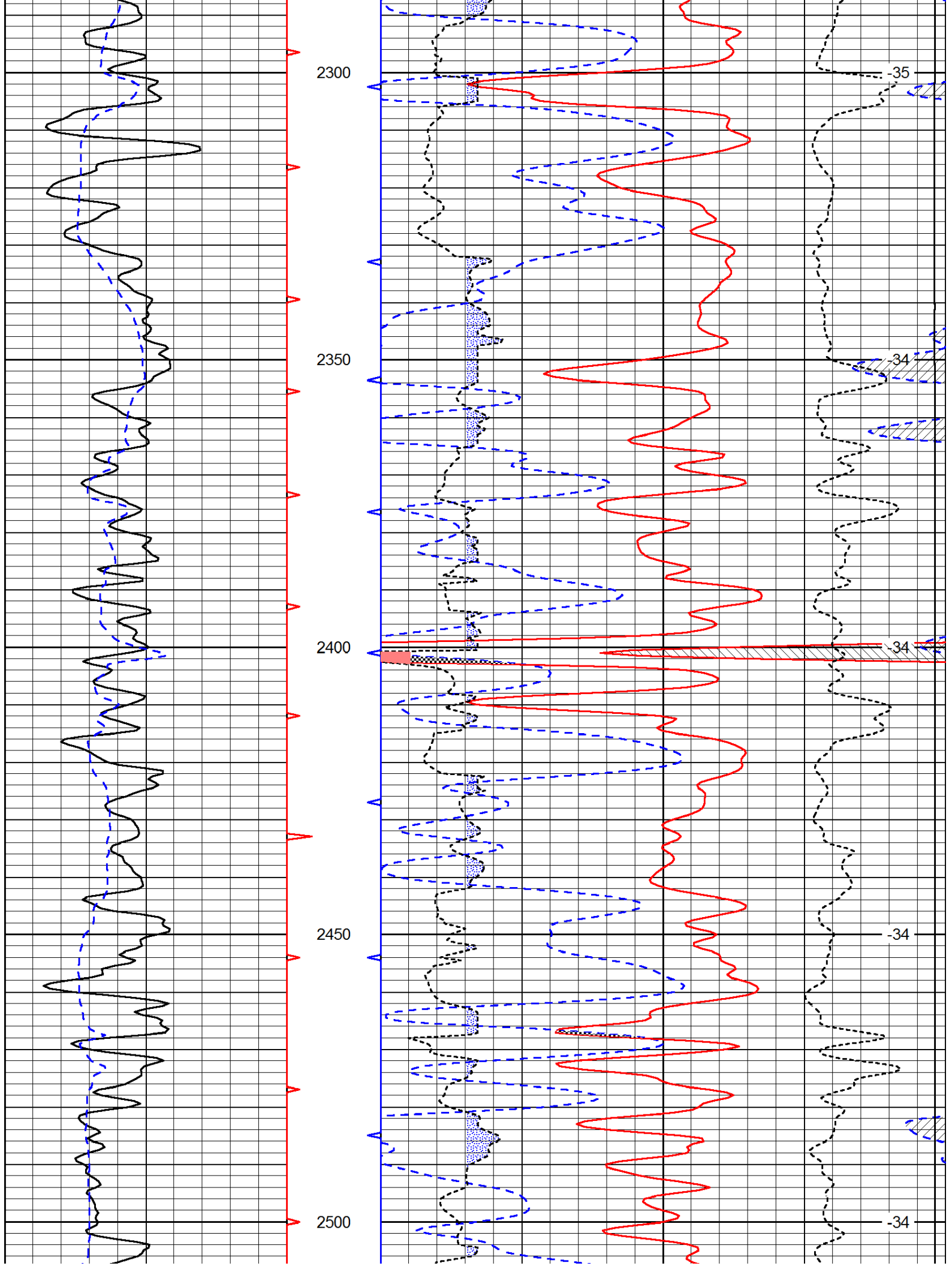
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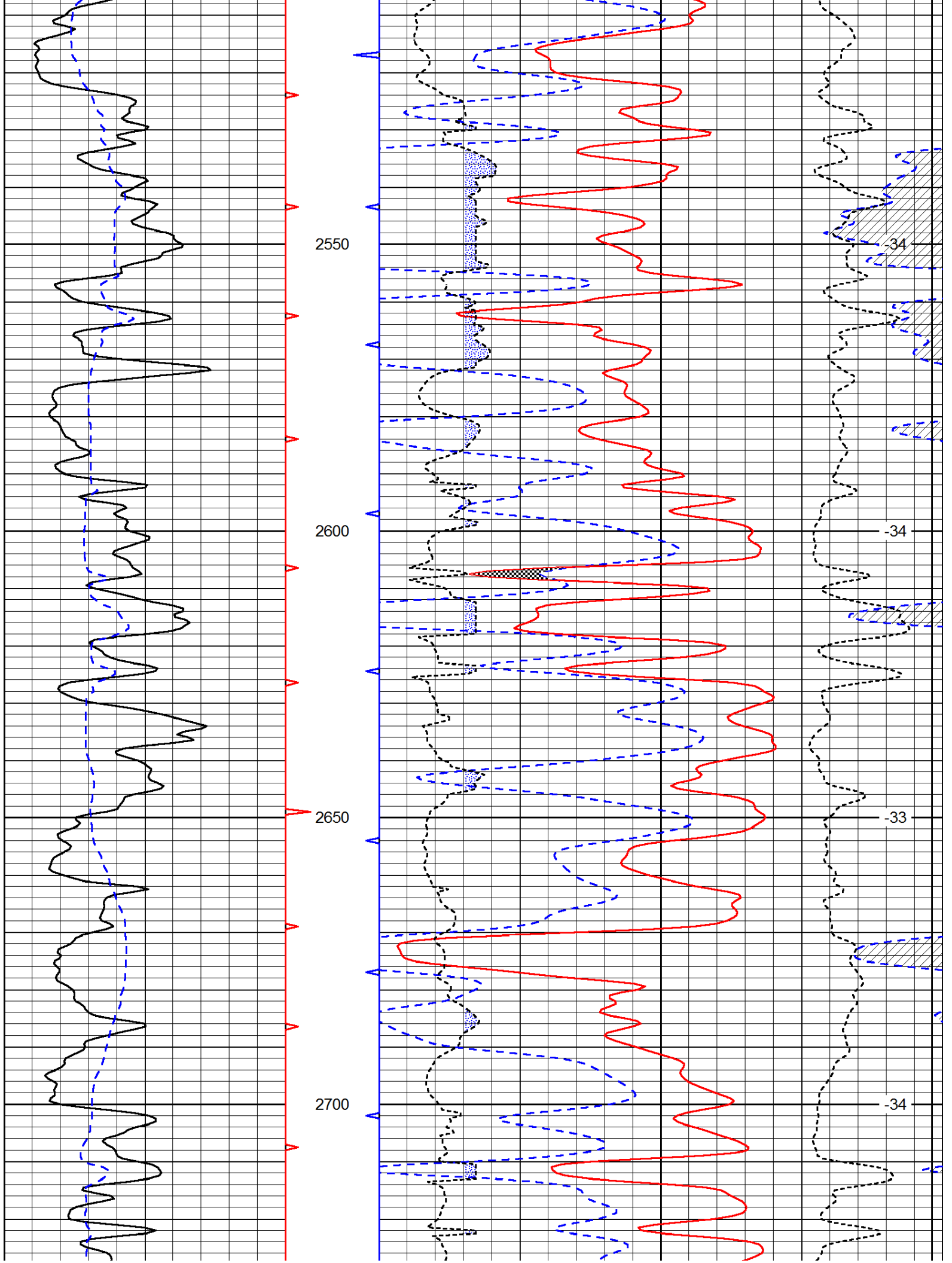
30	Compensated Neutron (Limestone)			-10	
30	Compensated Density (Limestone)			-10	
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension			0	

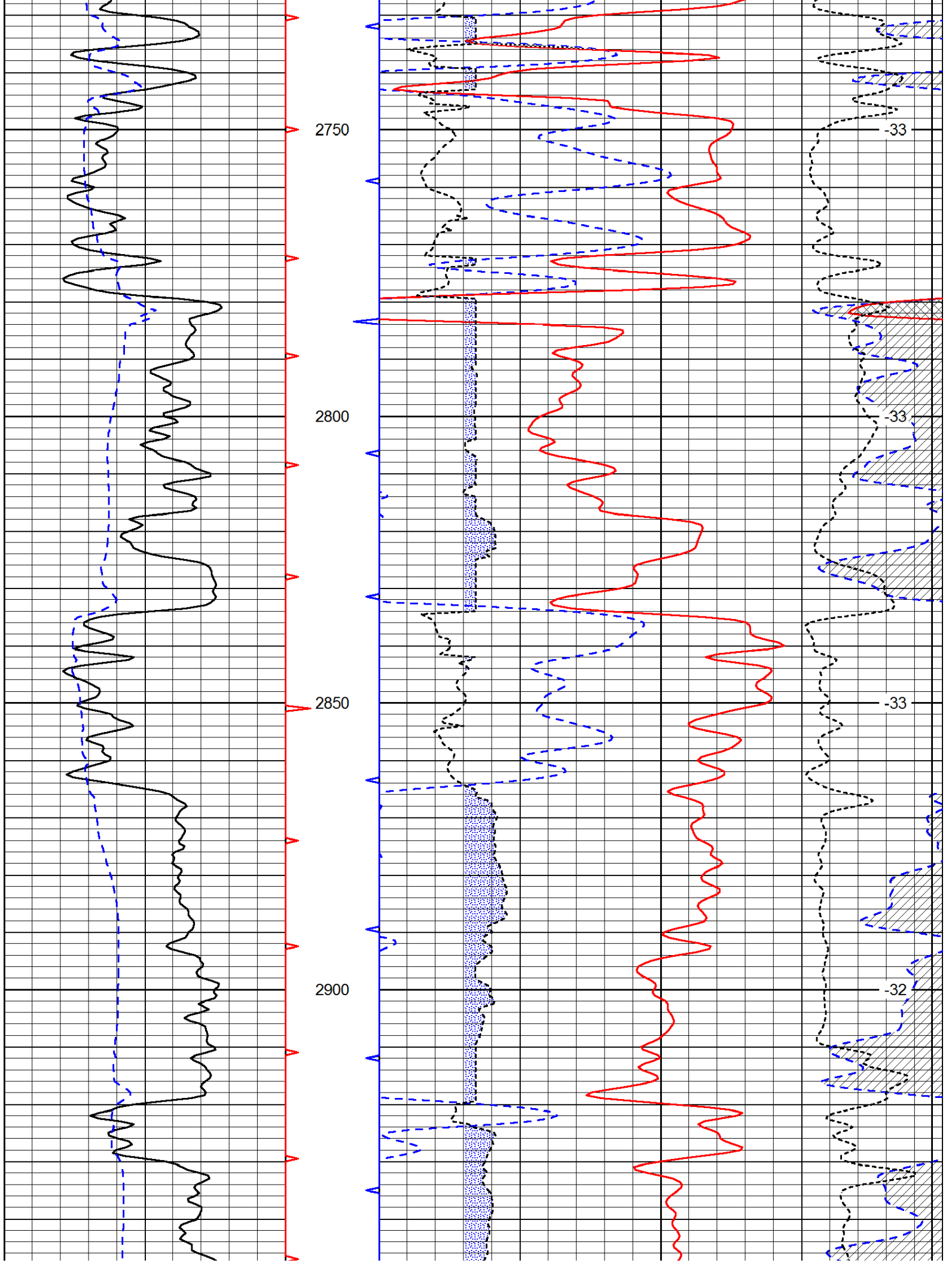
LSPD

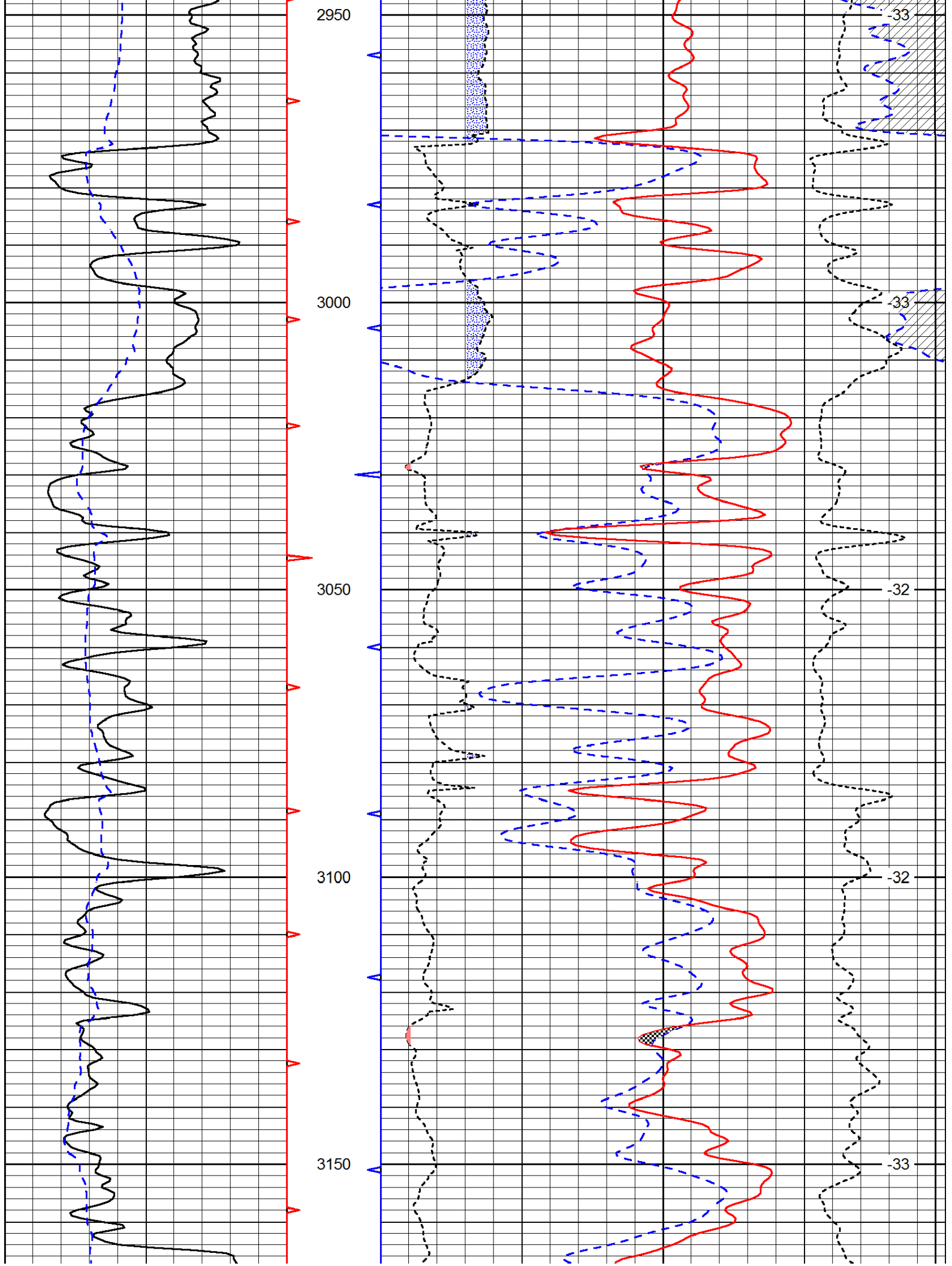


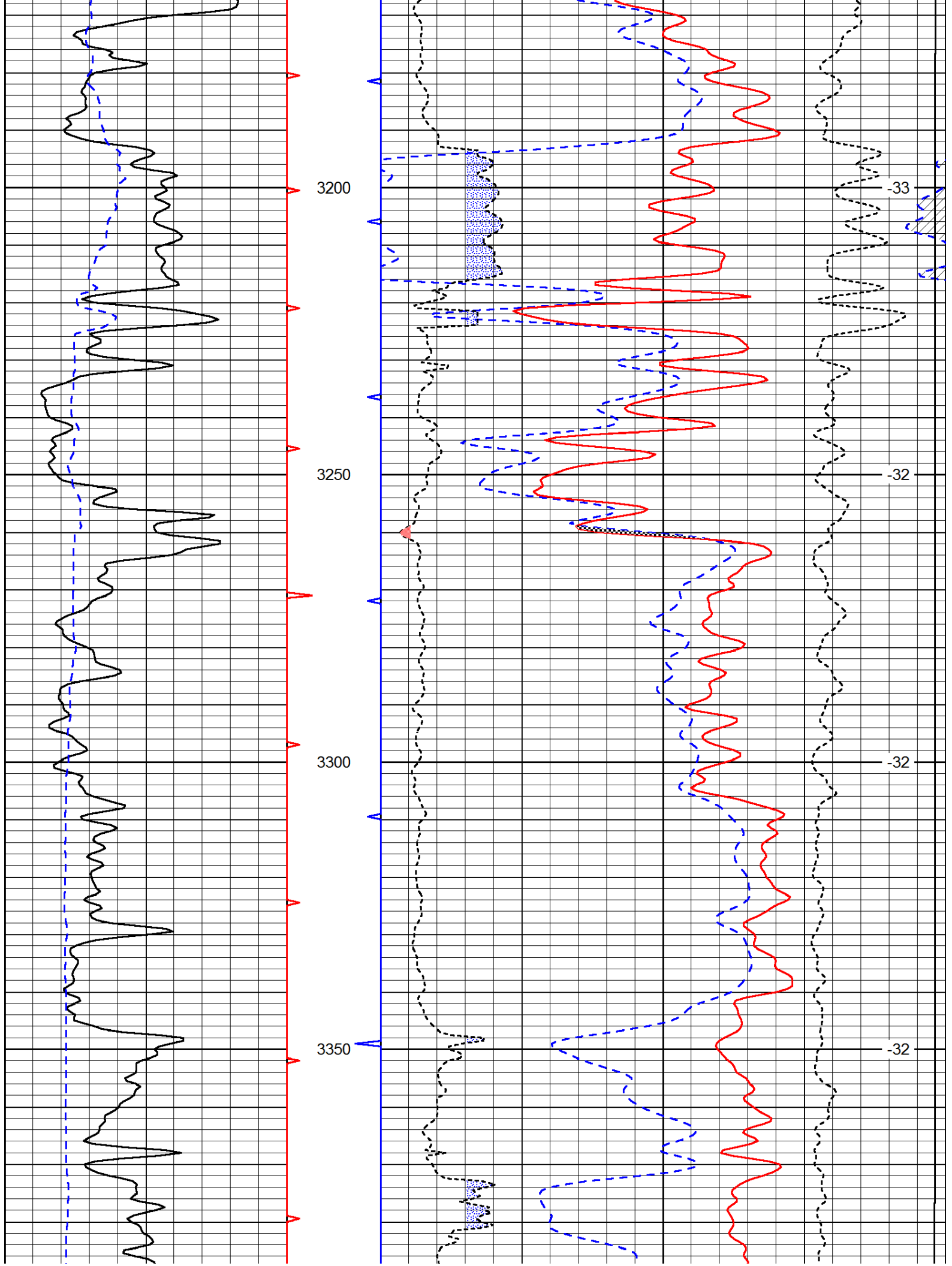


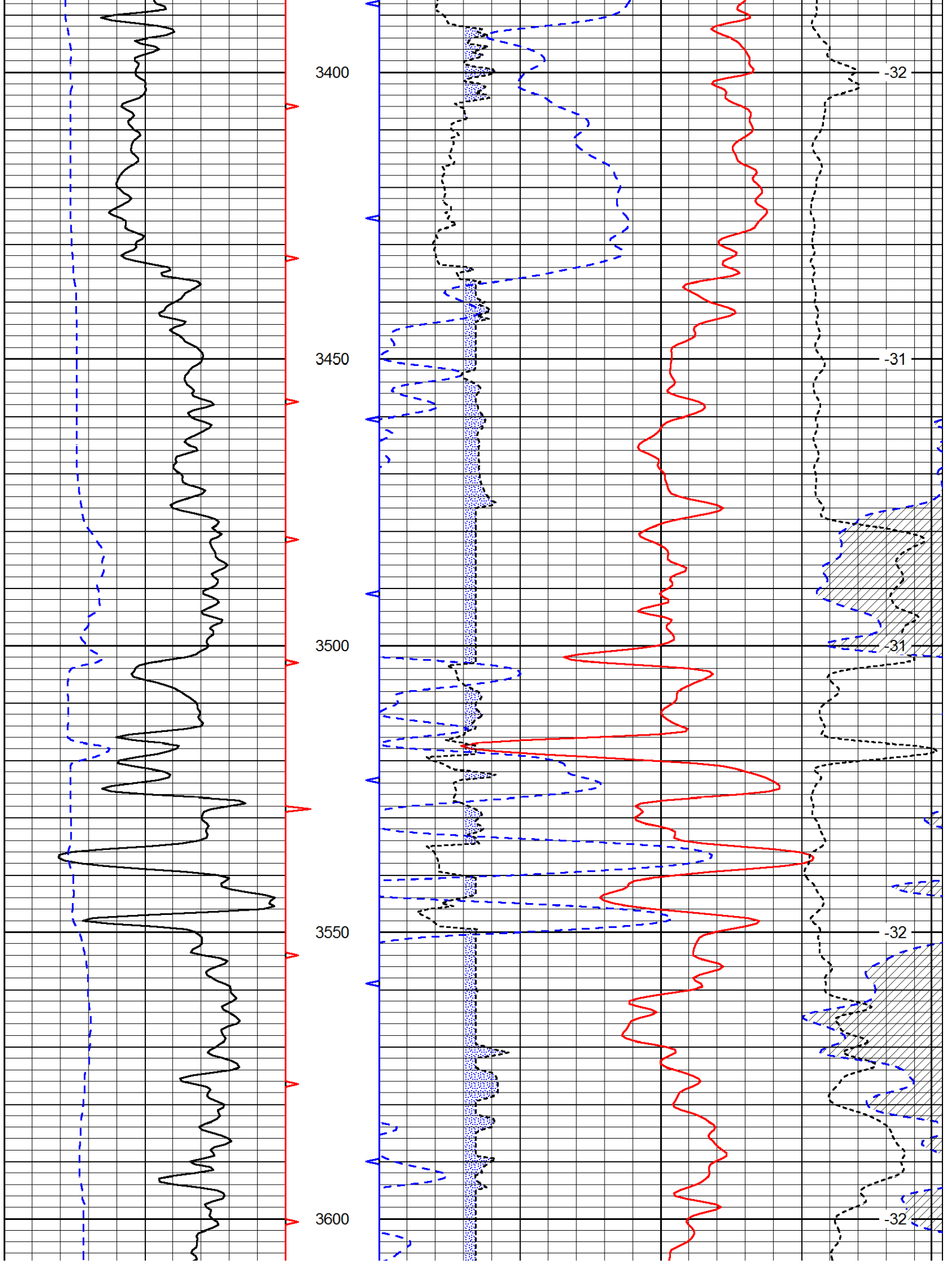


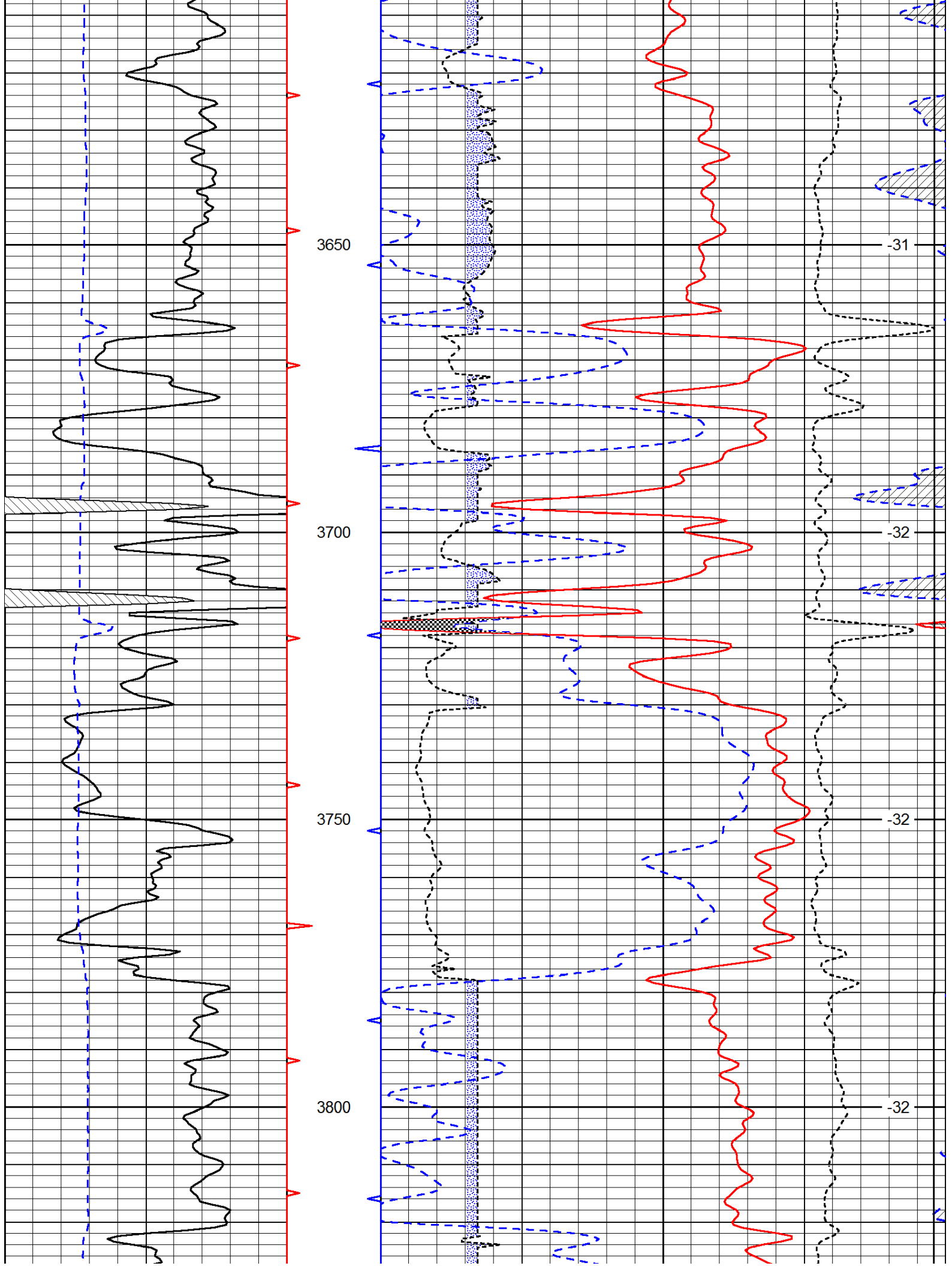


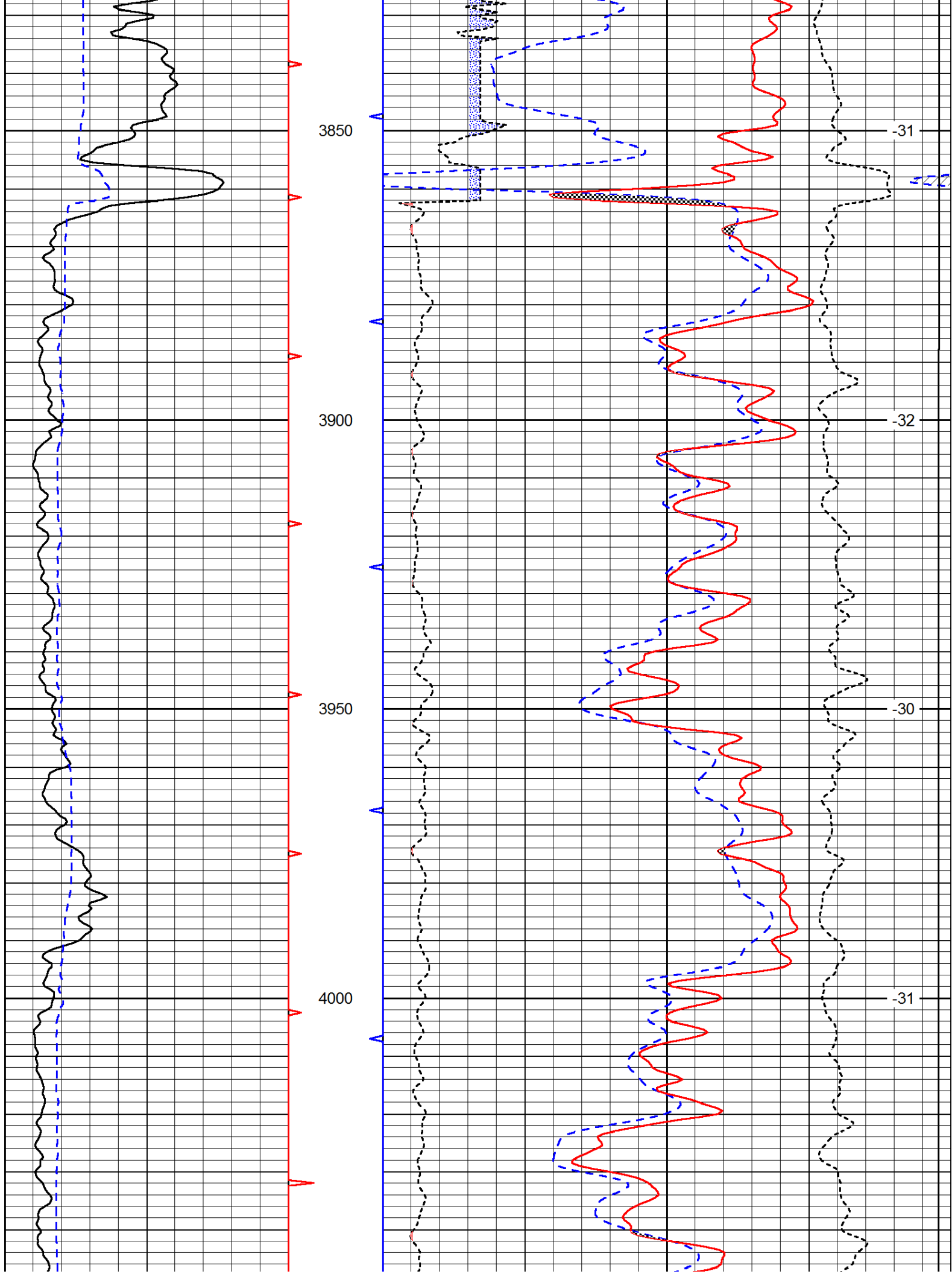


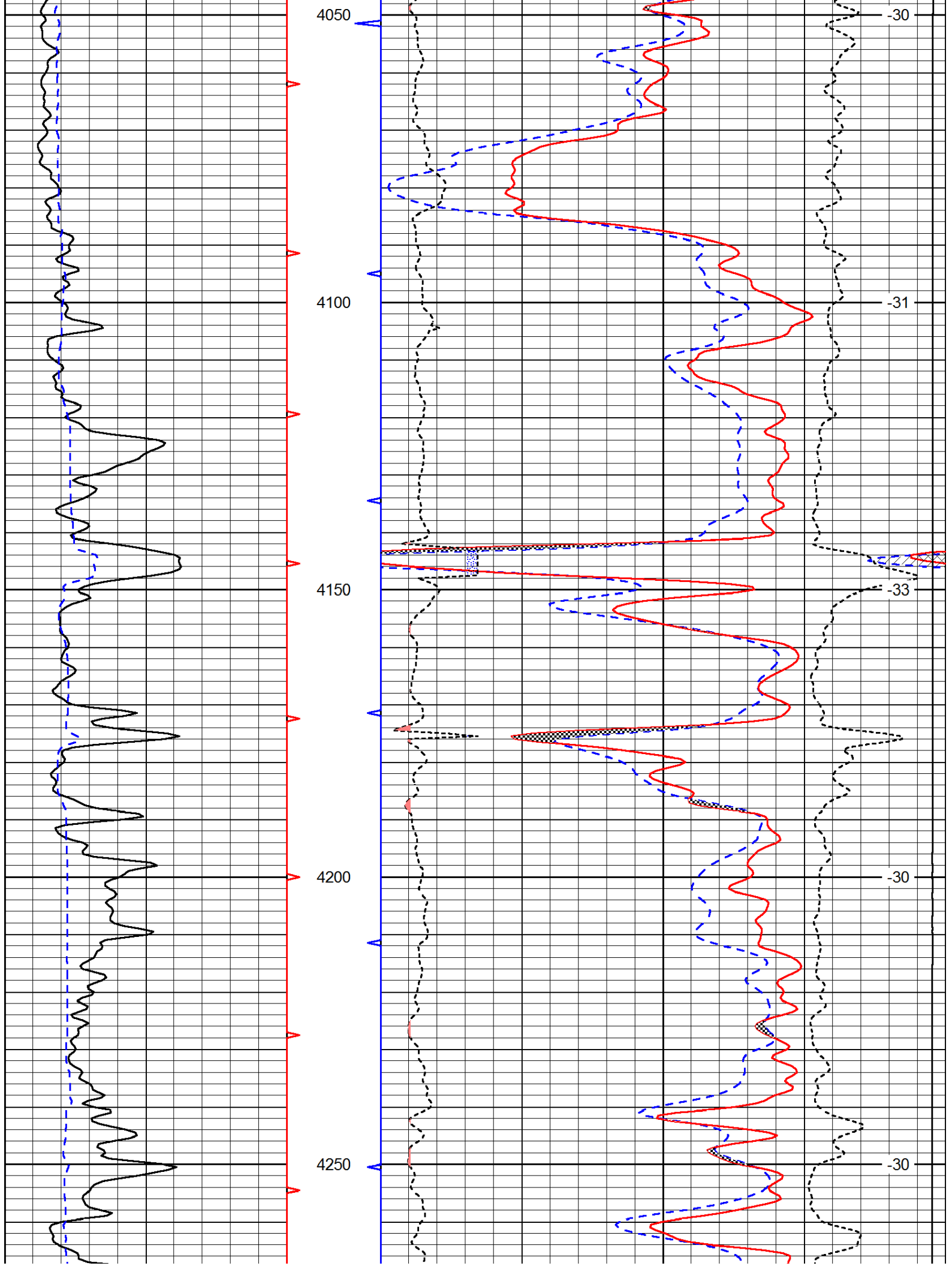


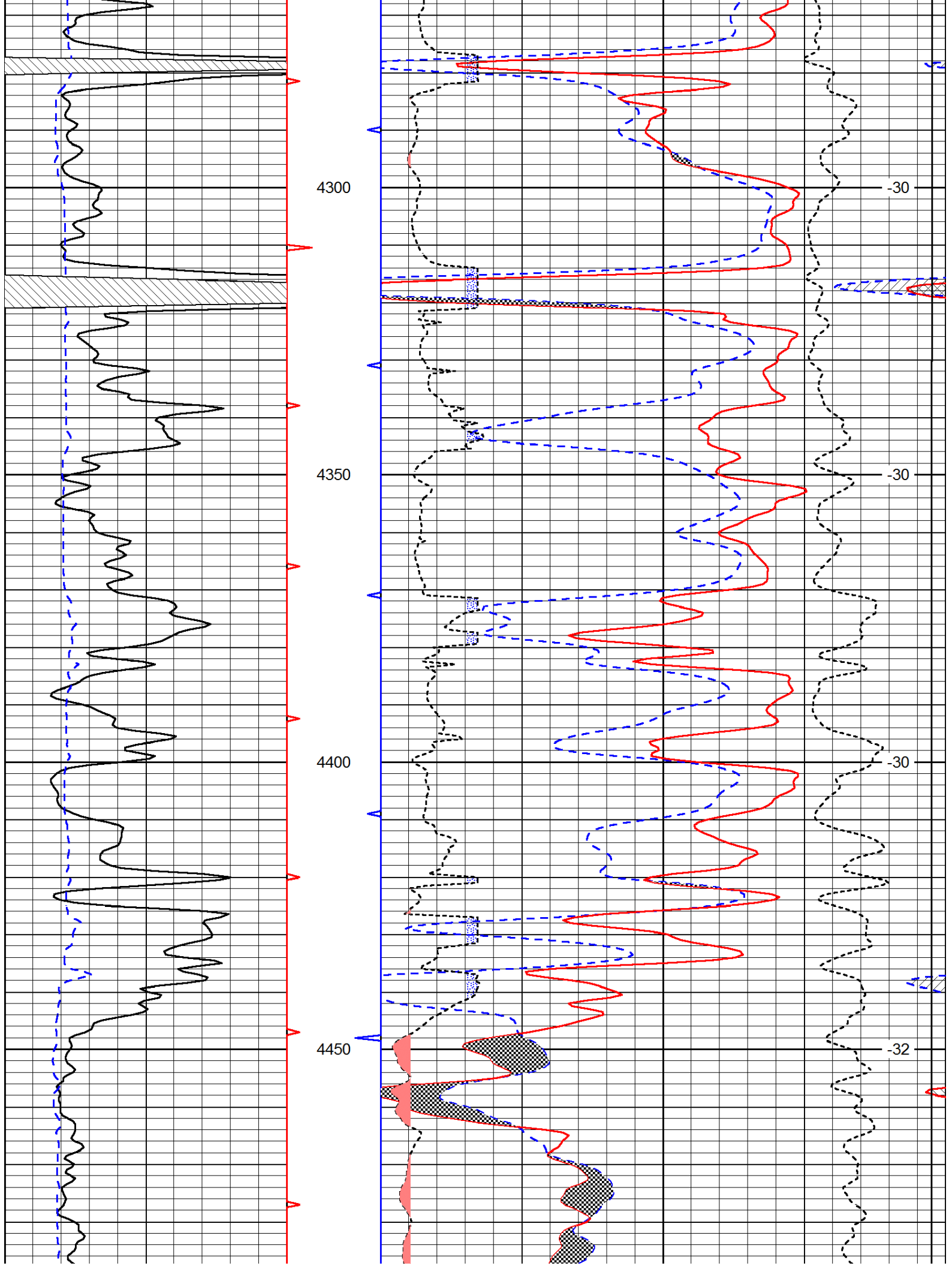


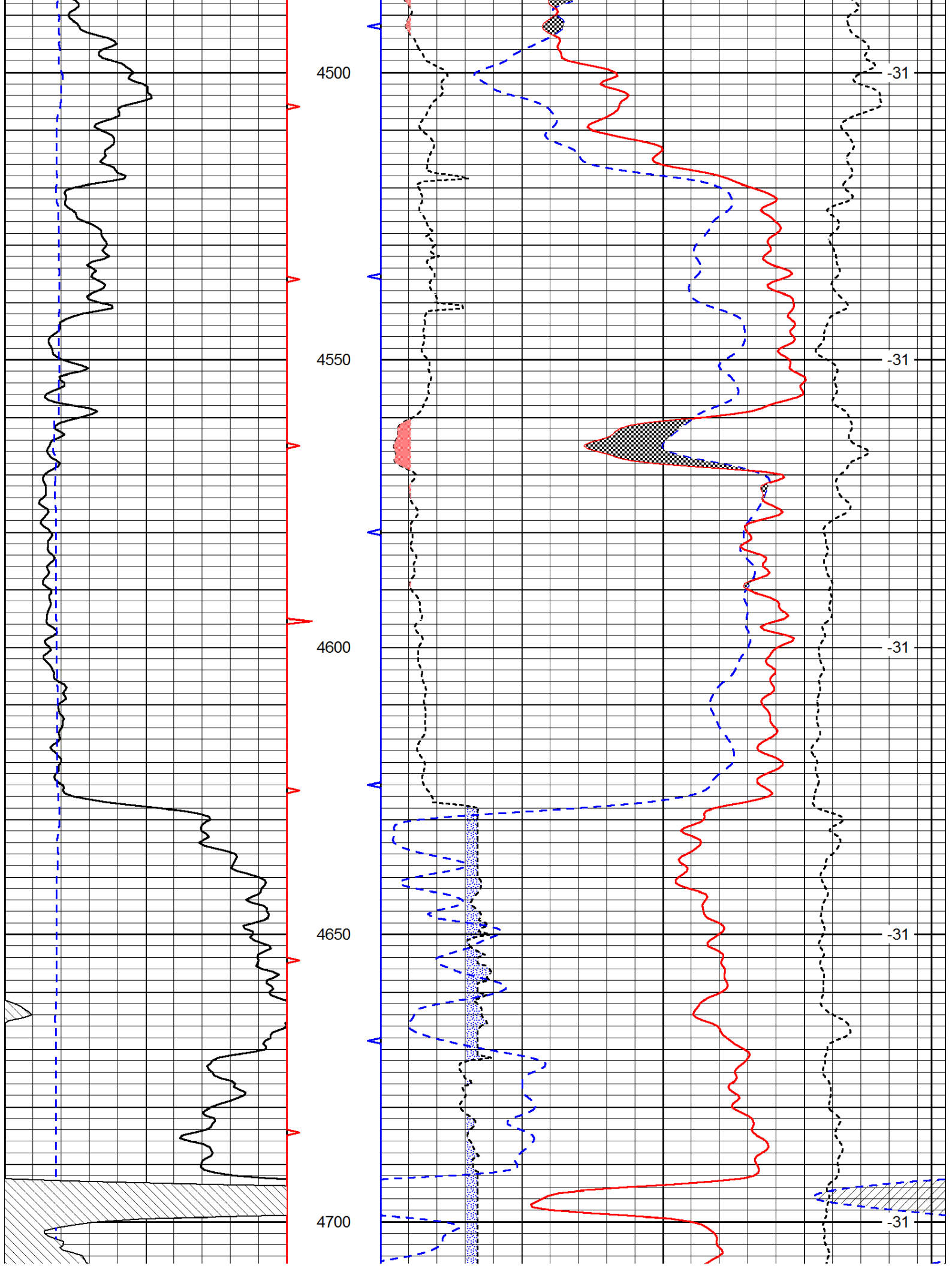


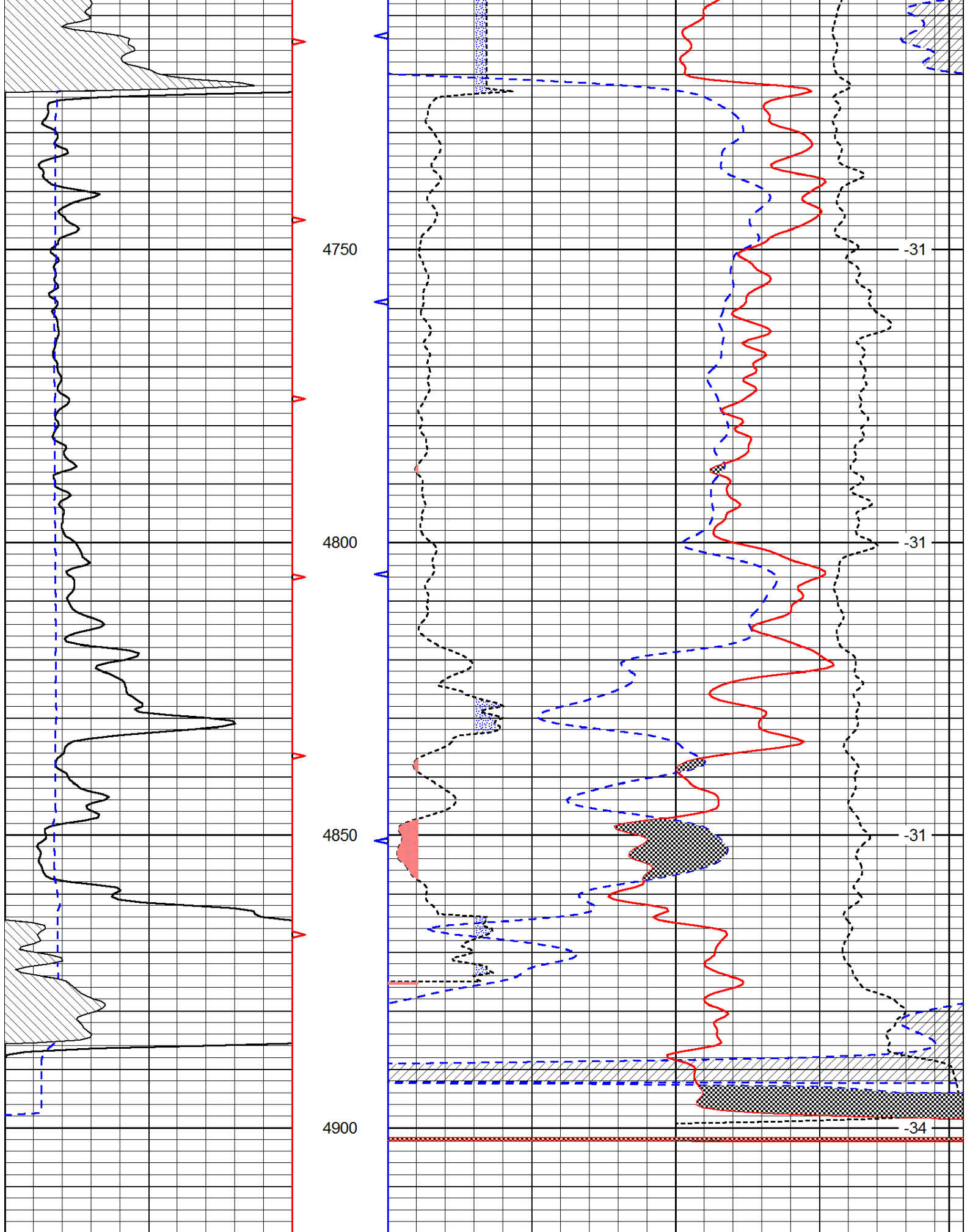












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6	Caliper (GAPI)	16

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30	Compensated Density (Limestone)	-10

2.625	DGA	3.425	-0.25	Correction	0.25
15000		Line Tension			0
					LSPD