



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-167-24,013-00-00

Company TDI, Inc.

Well Zamecnik #1

Field

County Russell

State Kansas

Location 820' FSL & 1005' FWL

Other Services
DIL
MEL

Sec: 8 Twp: 11S Rge: 11W

Permanent Datum Ground Level Elevation 1617
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1627
D.F.
G.L. 1617

Date 11/15/2014

Run Number One

Type Log CNL / CDL

Depth Driller 3950

Depth Logger 3950

Bottom Logged Interval 3929

Top Logged Interval 2000

Type Fluid In Hole Chemical

Salinity, PPM CL 9,800

Density 9.4

Level Full

Max. Rec. Temp. F 116

Operating Rig Time 4 Hours

Equipment -- Location 51 Hays

Recorded By C. Desaire

Witnessed By Tom Denning

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	222	8.625	24#	00	222
2	7.875	222	3950				

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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

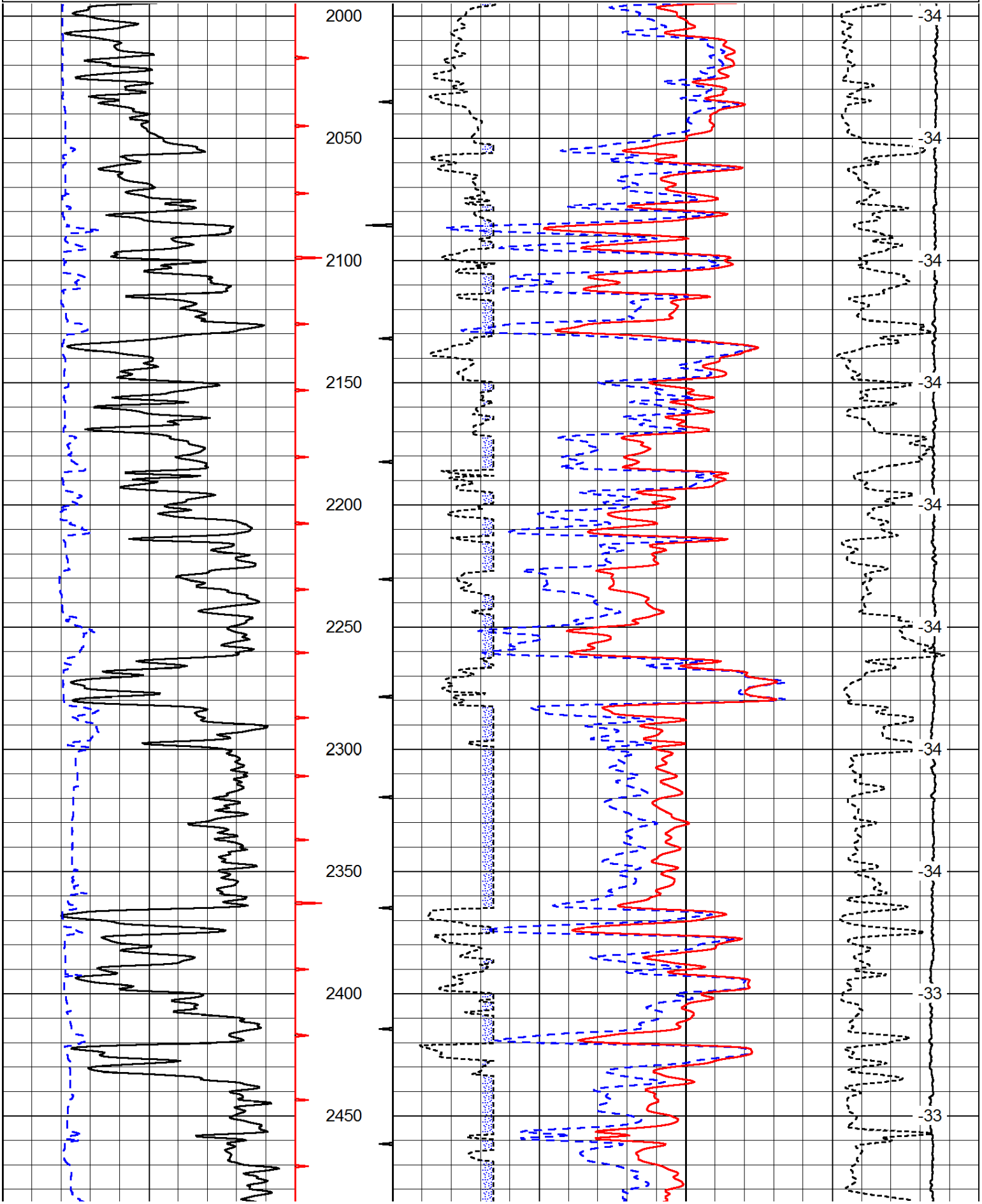
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

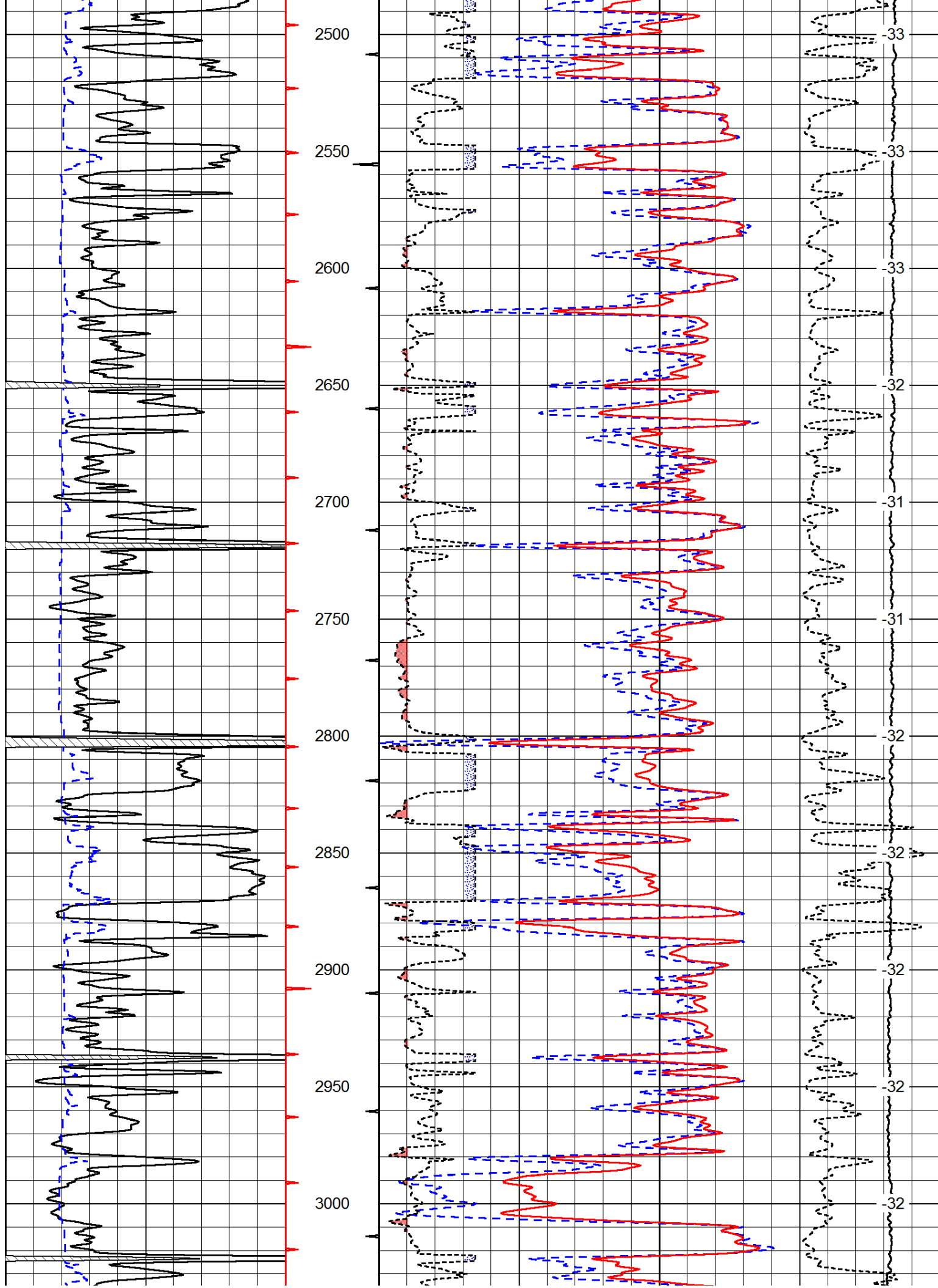
Lucas KS, W to 201 Rd, 2 1/2 N,
Left at Y thru 2 cattle guards, 1/8 N, 1/8 E, N Into

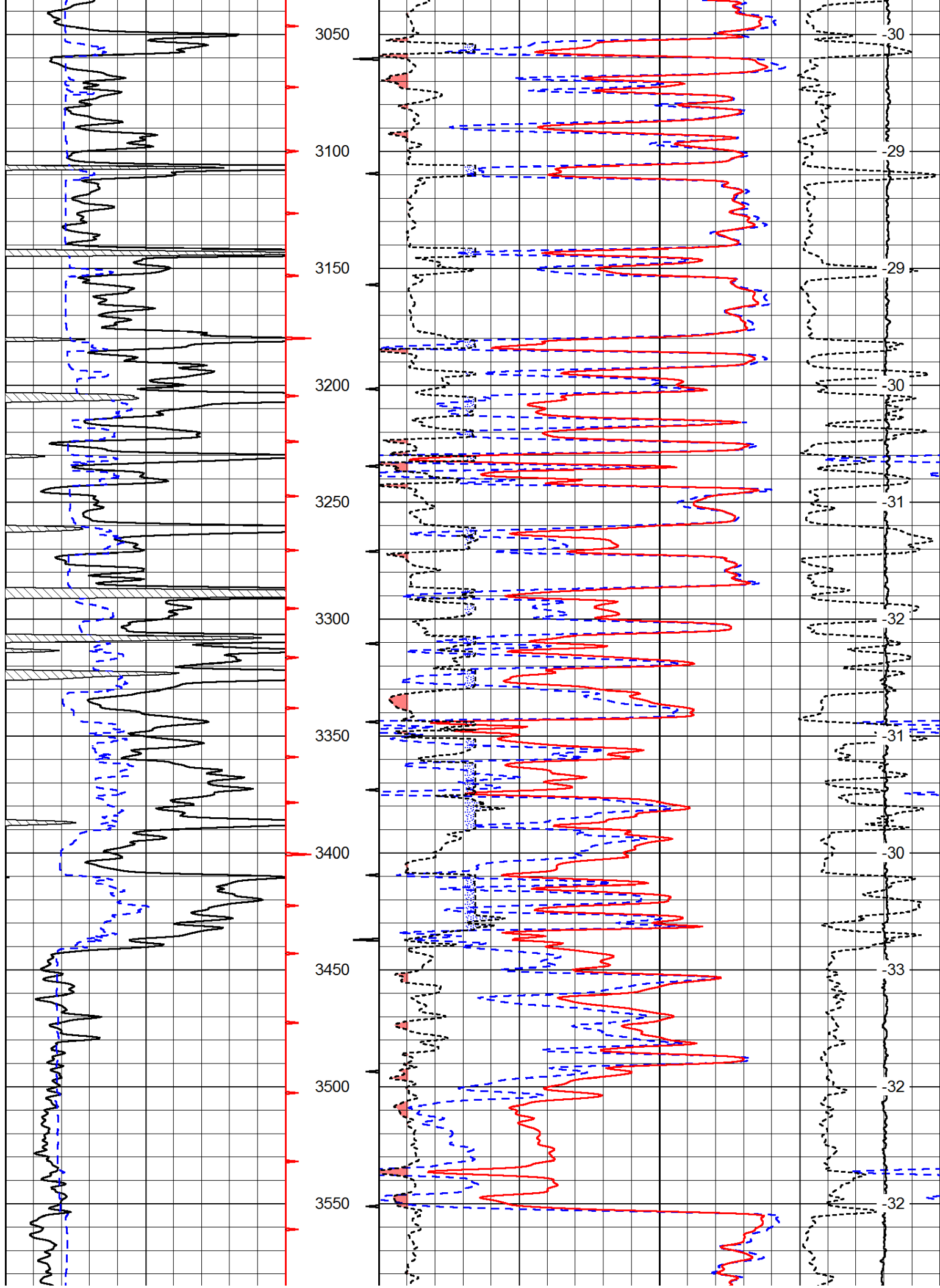
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Presentation Format: cdl
Dataset Creation: Sat Nov 15 11:20:28 2014
Charted by: Depth in Feet scaled 1:600

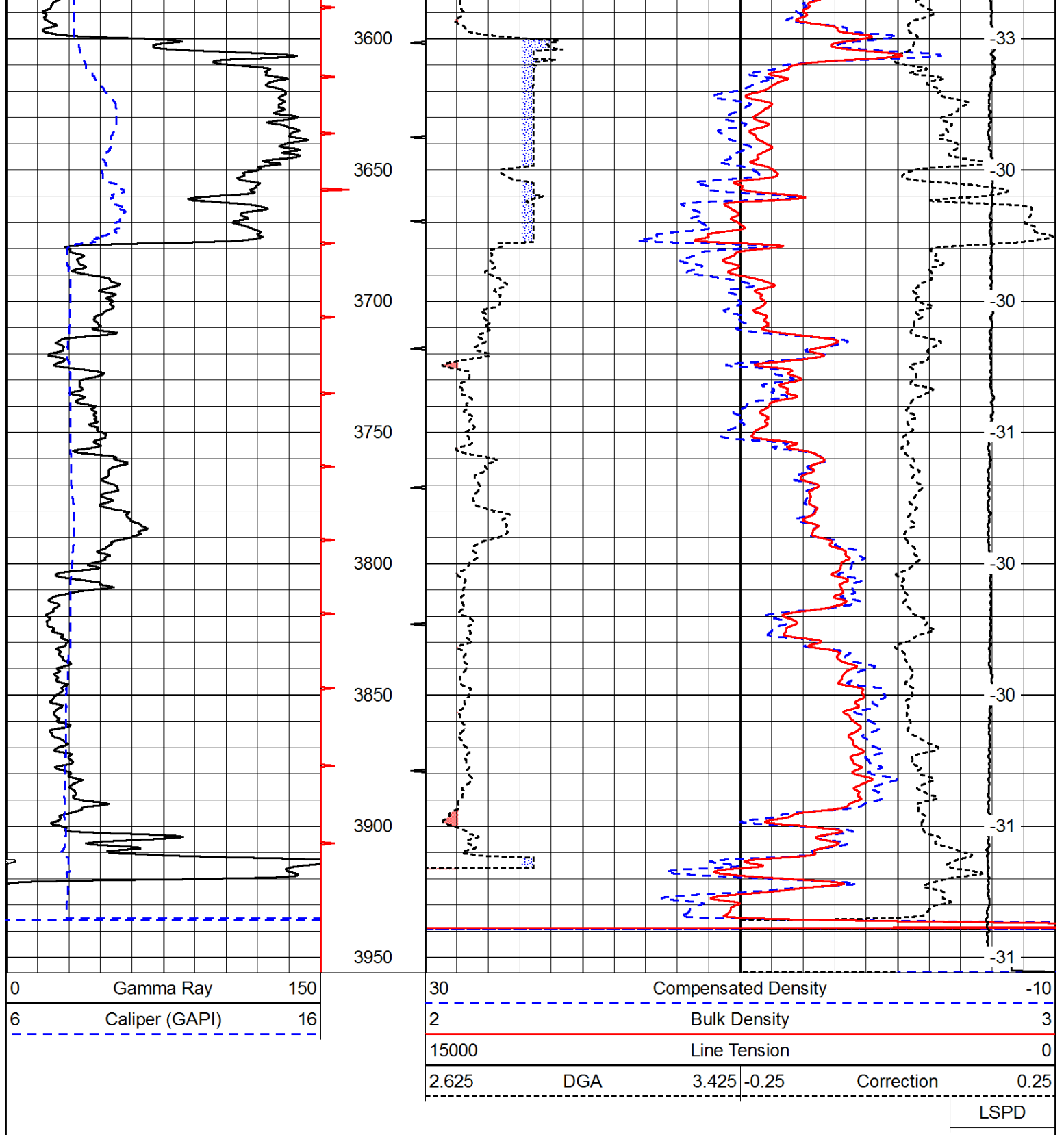
0	Gamma Ray	150
6	Caliper (GAPI)	16

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

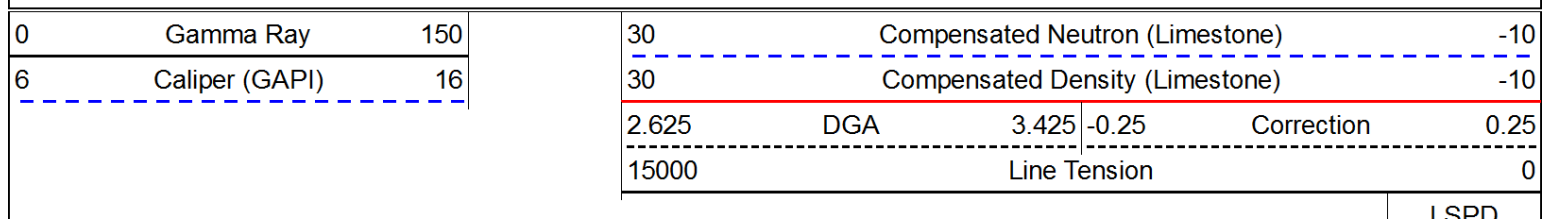


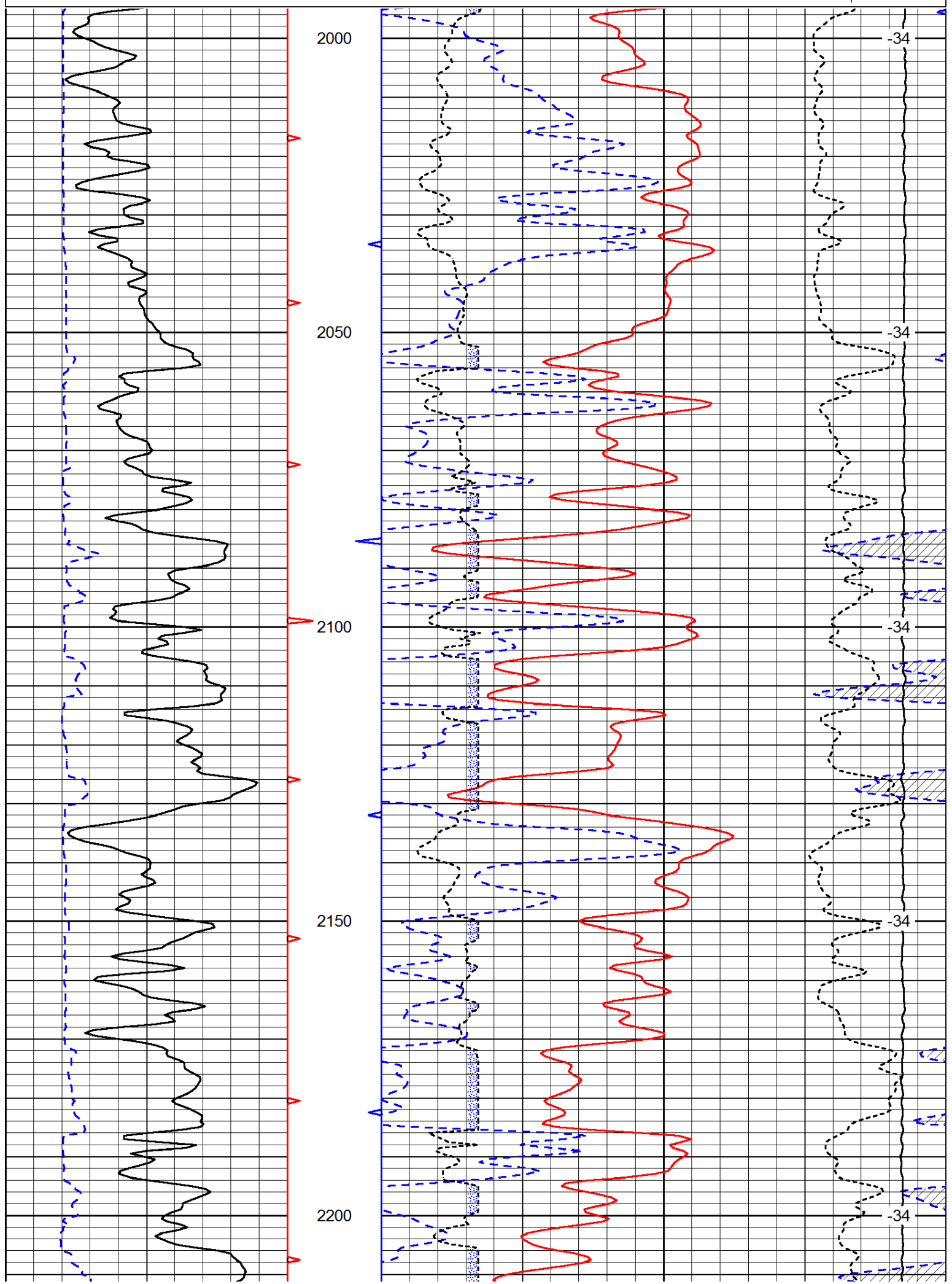


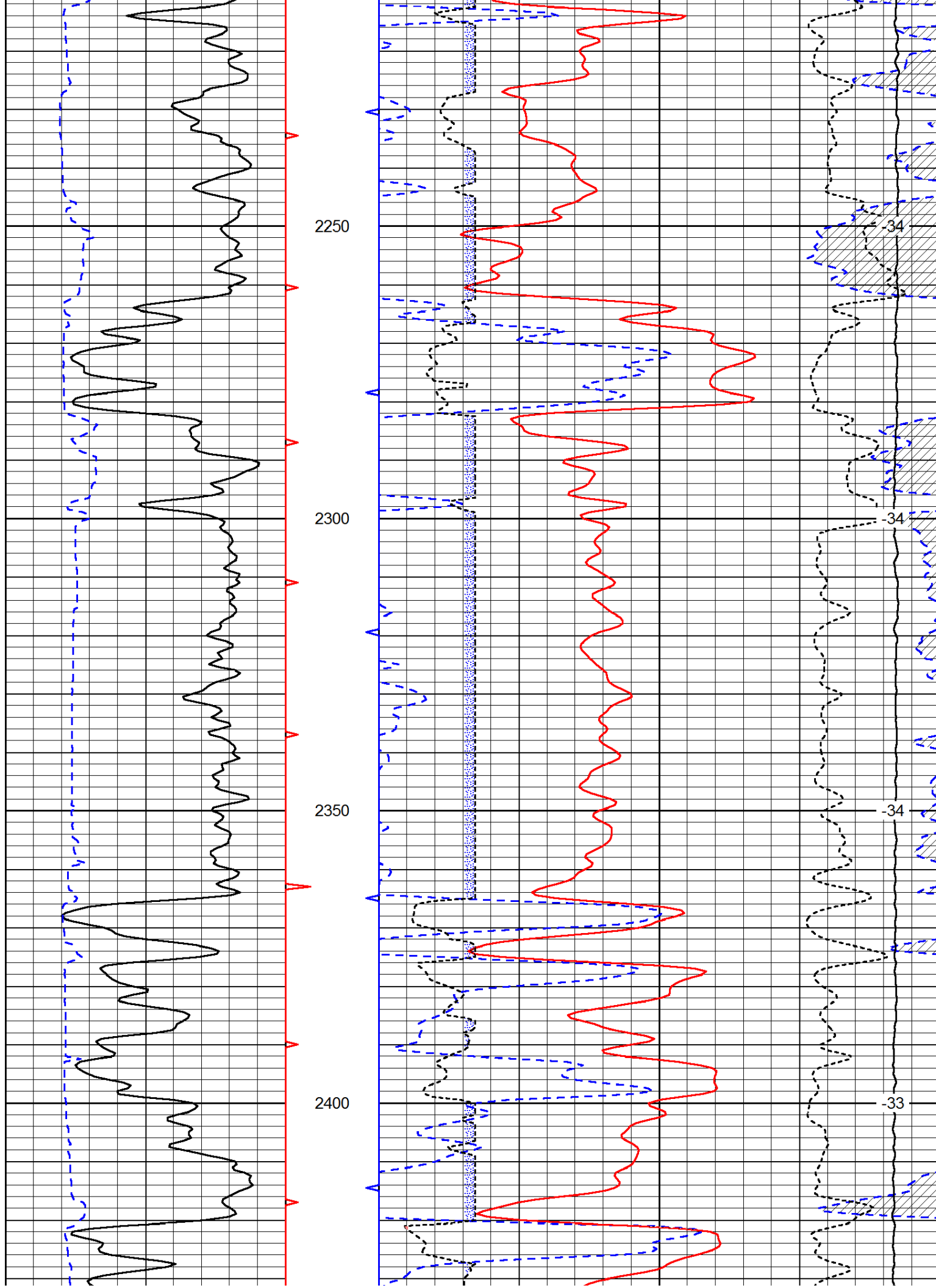


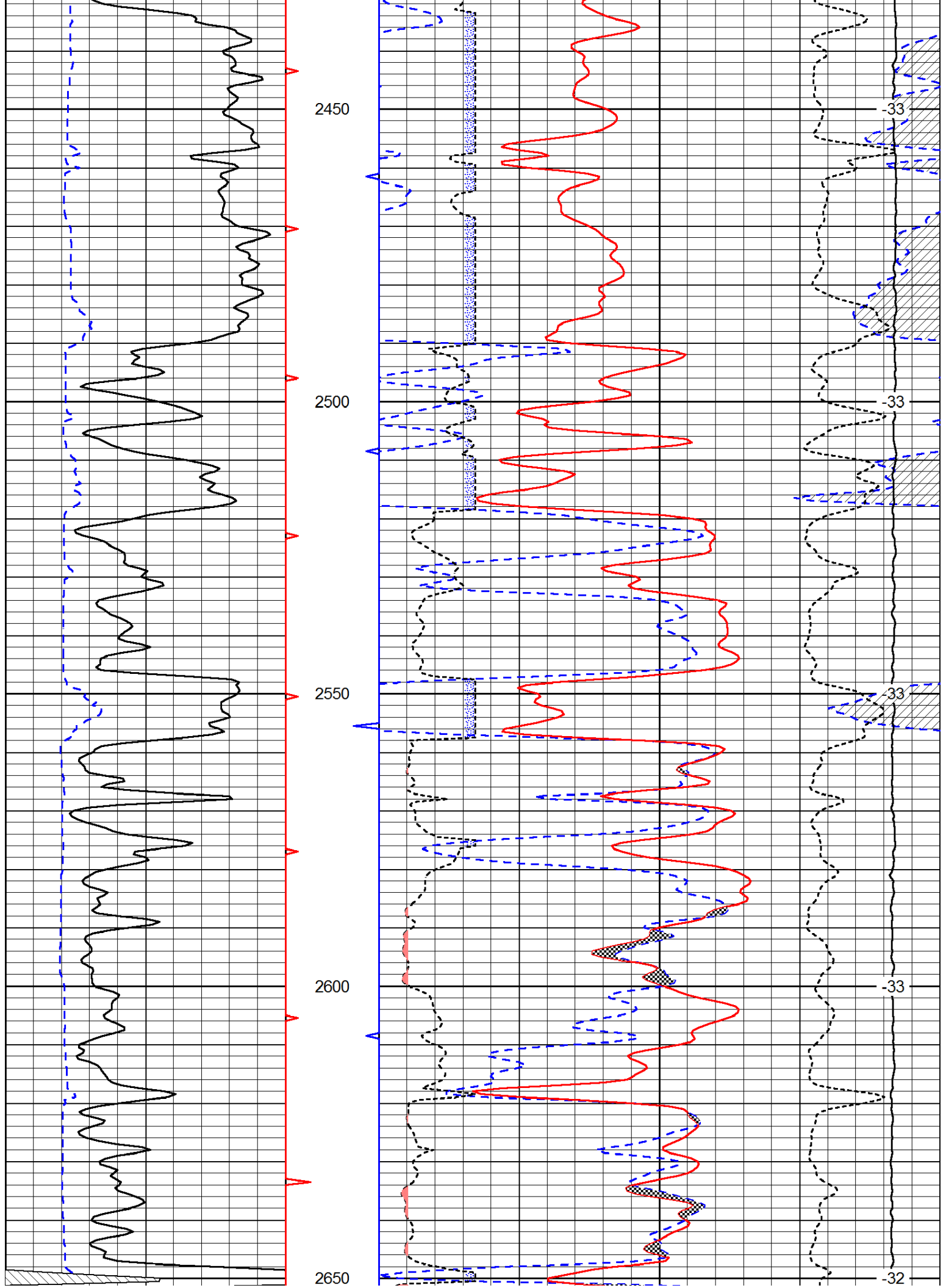


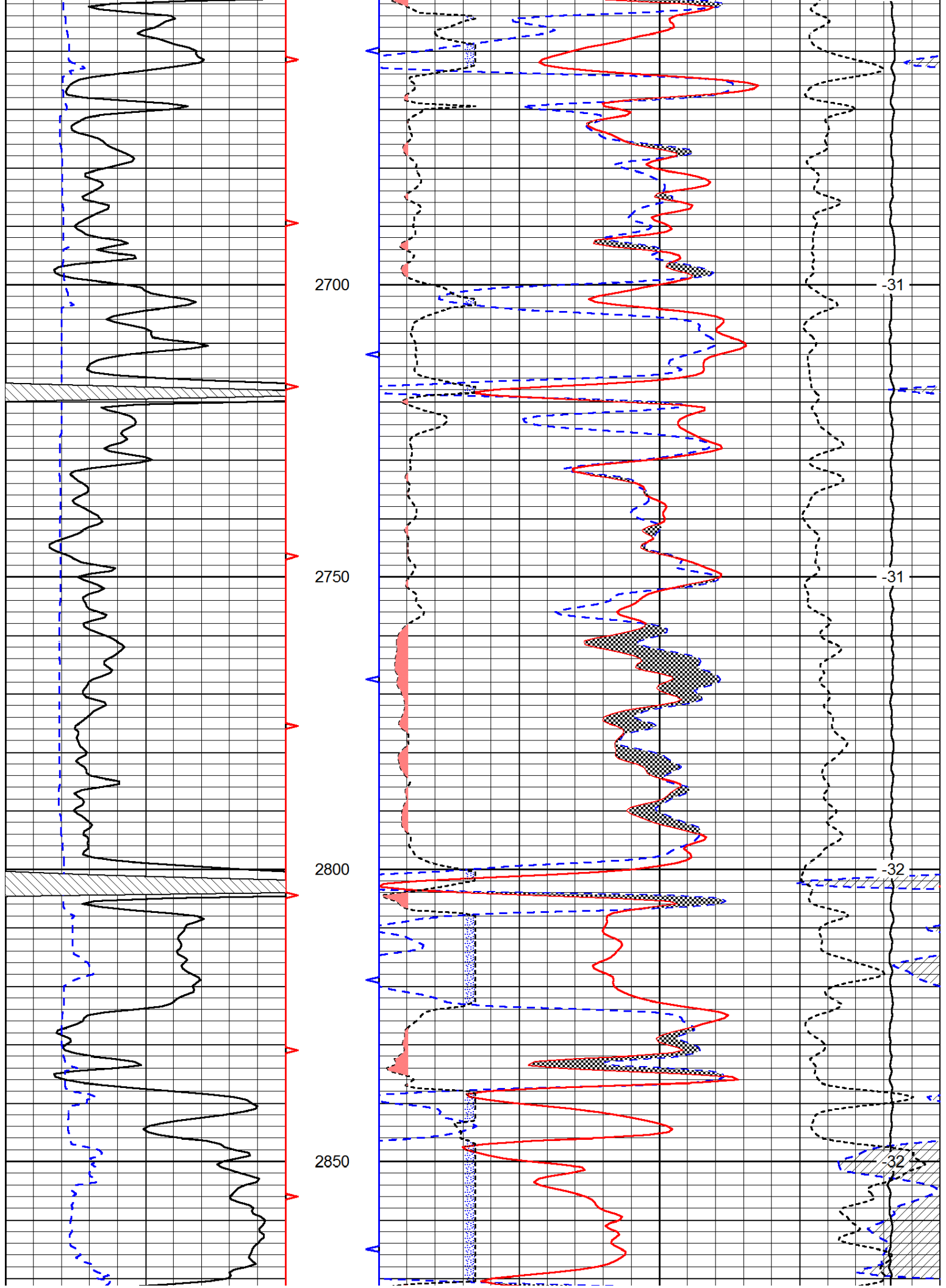
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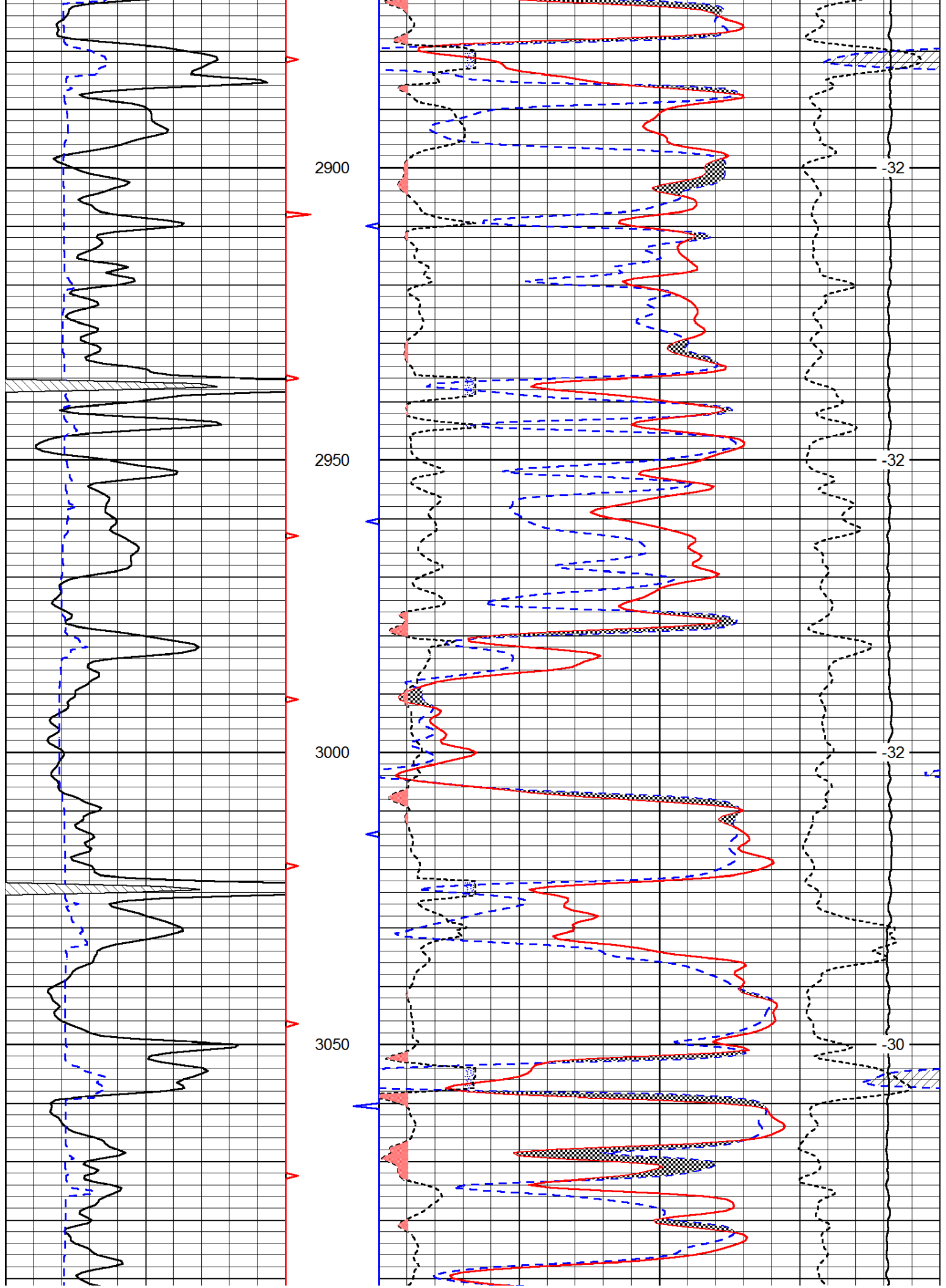


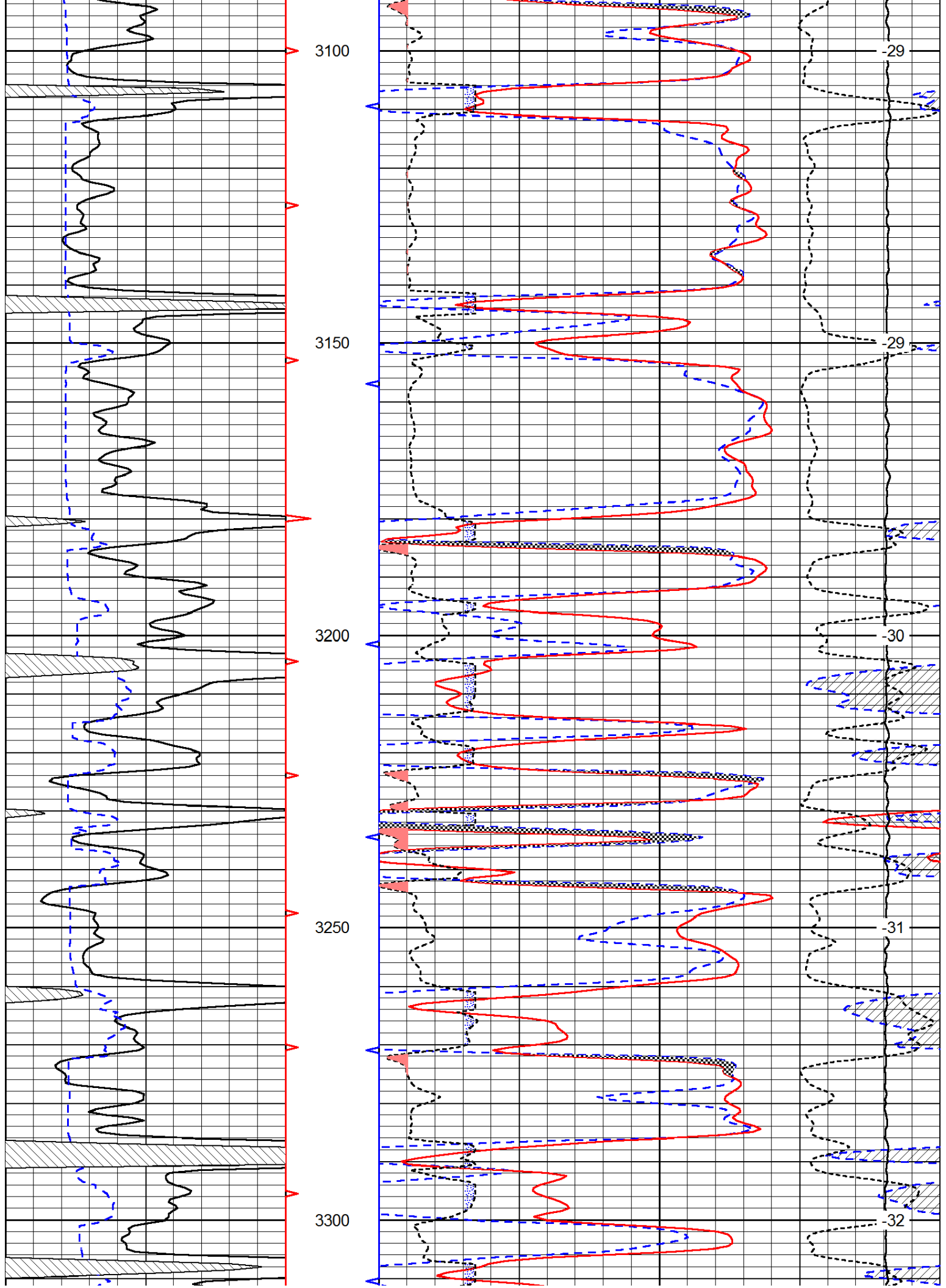


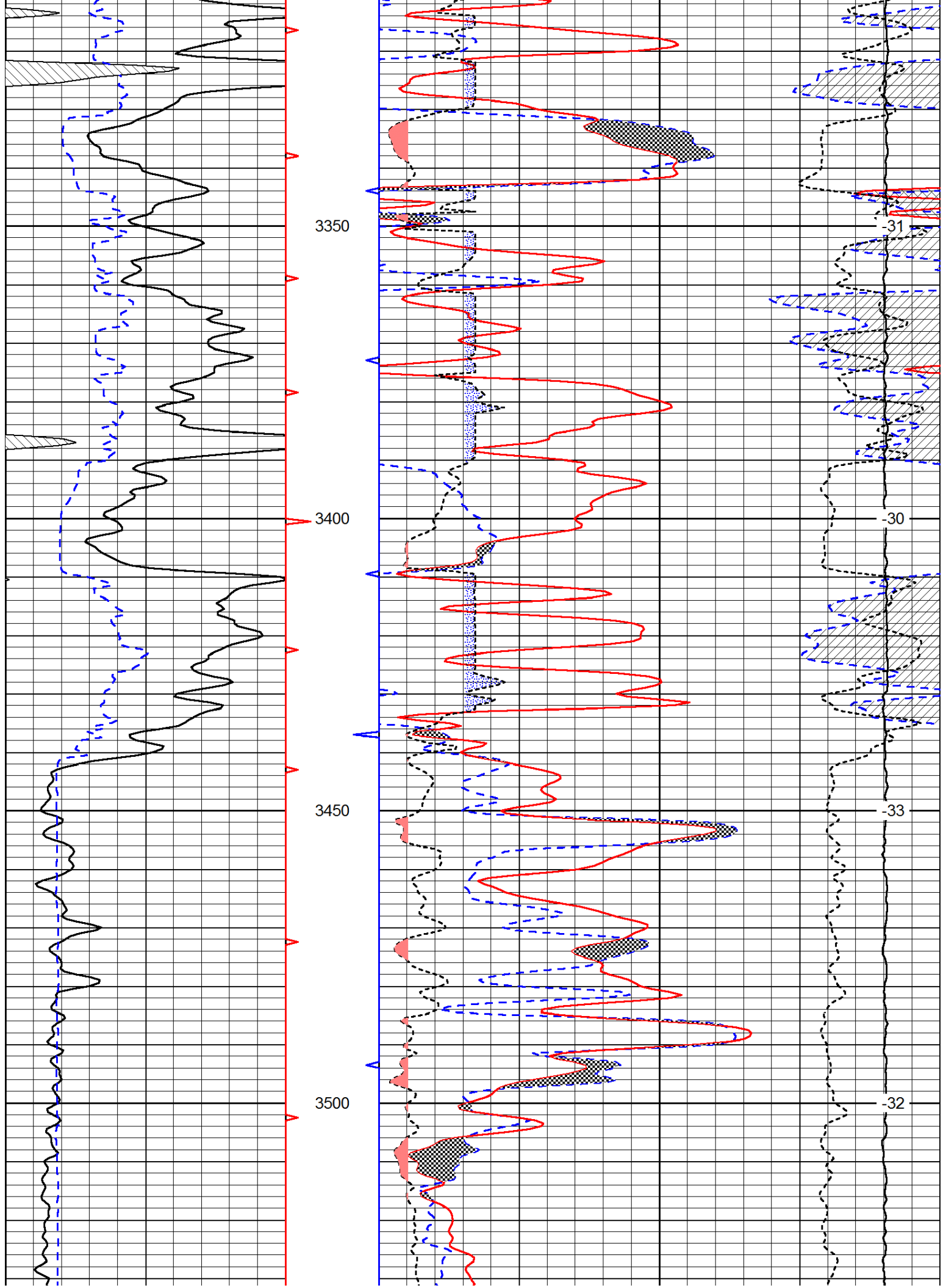


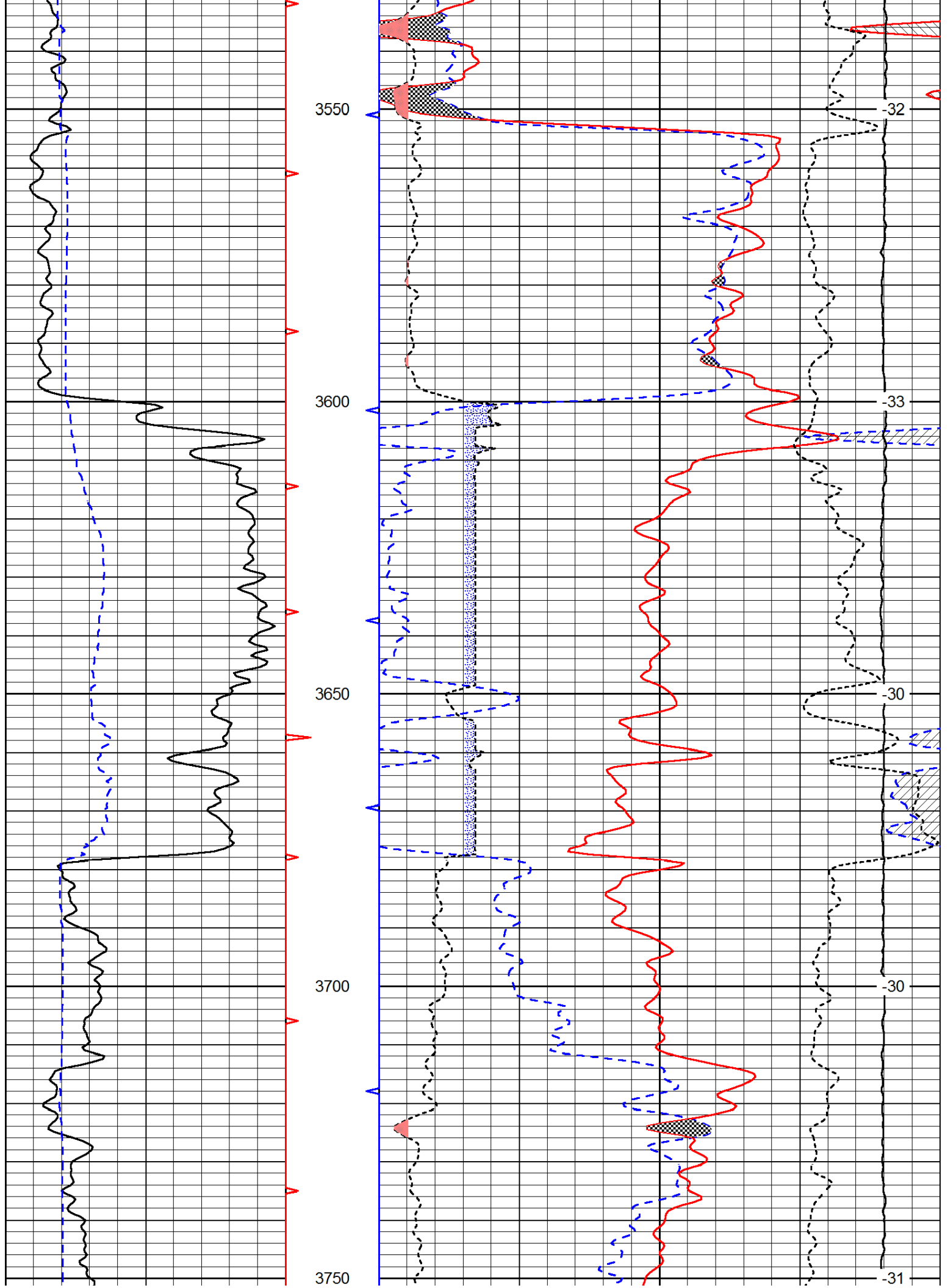


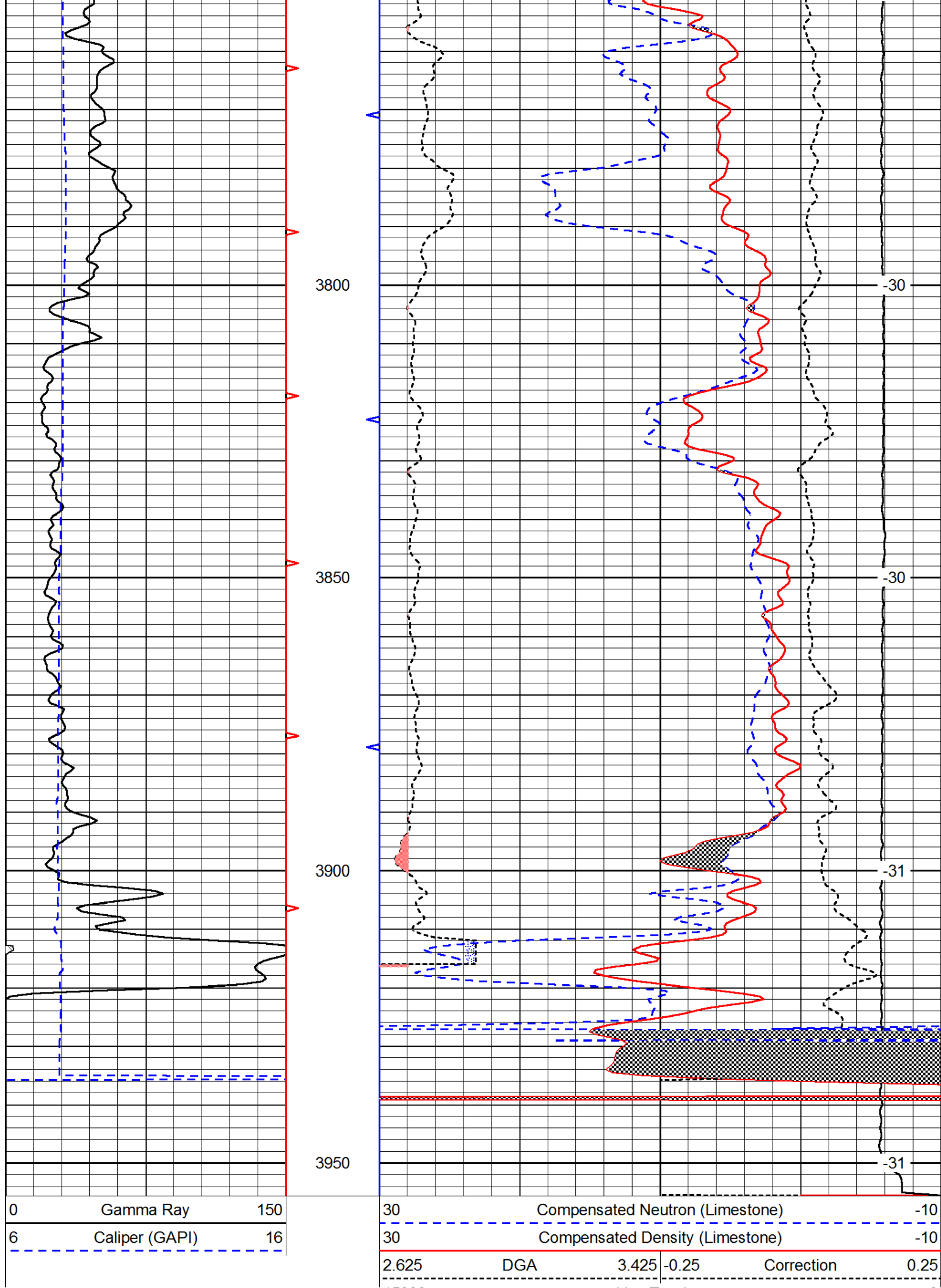












	15000	Line tension	0
			LSPD