



Pioneer Energy Services

Dual Compensated Porosity Log

15-007-23907-00-00

API No.

Company **Chieftain Oil Company, Inc**
 Well **Palmer No. 3**
 Field **Little Sandy Creek**
 County **Barber** State **Kansas**

Location **SW - NE - SW - SW
688' FSL & 710' FWL**

Sec: **34** Twp: **32 S** Rge: **10 W**

Permanent Datum **Ground Level** Elevation **1454**
 Log Measured From **Kelly Bushing** 13 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Other Services
DIL
Elevation
K.B. 1467
D.F. 1454
G.L. 1454

Date 8/18/2012

Run Number One

Type Log CNL / CDL

Depth Driller 5000

Depth Logger 5004

Bottom Logged Interval 4984

Top Logged Interval 3200

Type Fluid In Hole Chemical

Salinity, PPM CL 8000

Density 9.3

Level Full

Max. Rec. Temp. F 126

Operating Rig Time 211/2 Hours

Equipment -- Location 17 Hays

Recorded By B. Becker

Witnessed By Arden Ratzlaf

Borehole Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	311	8.625	24#	0	311
Two	7.875	311	TD				

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	311	8.625	24#	0	311
Two	7.875	311	TD				

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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.pioneer.com
 785 625 3858

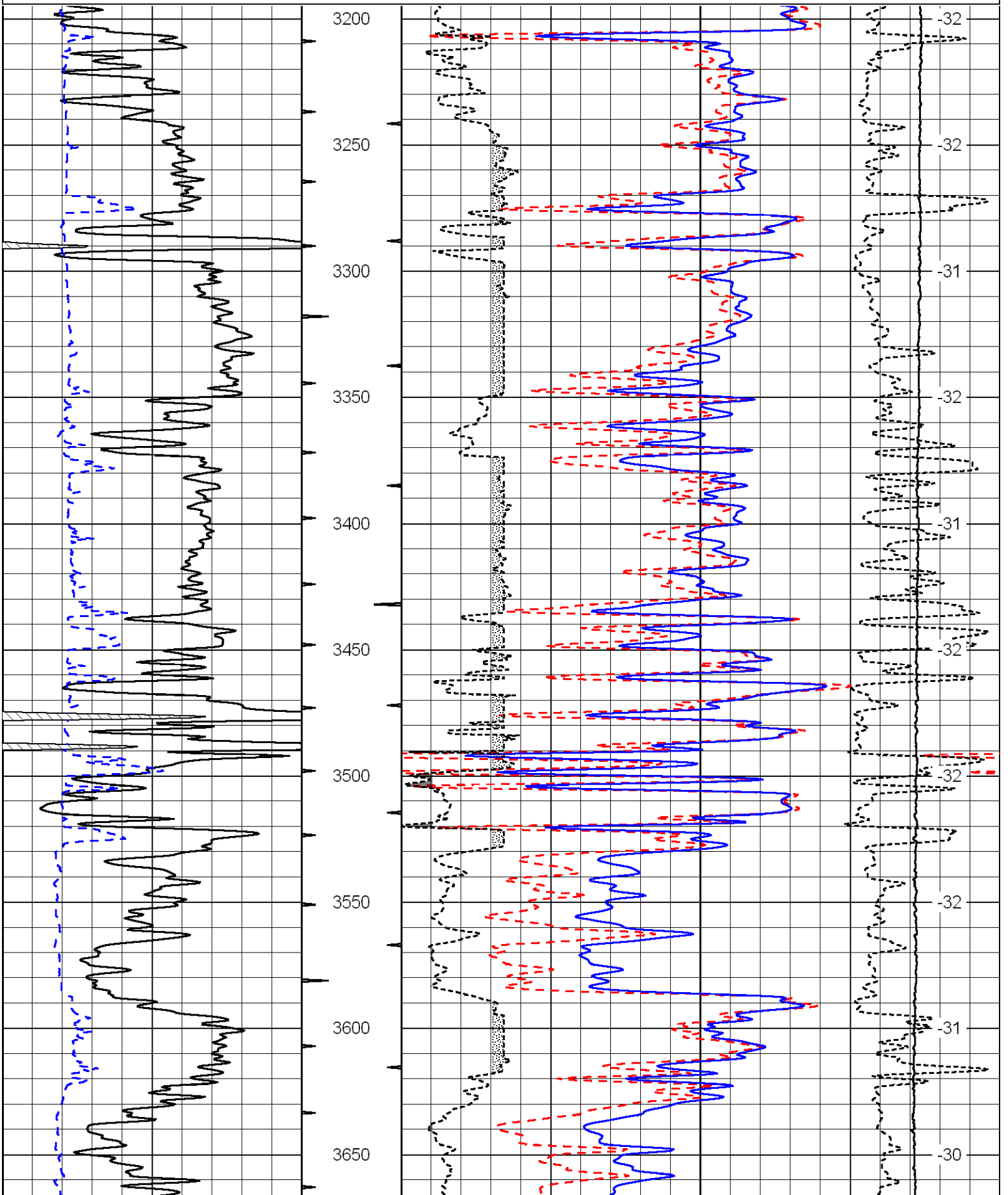
Sharon, Ks; 2-1/2 South on Tri-City Blacktop;
 1/8 Southwest; North along pond damn to location

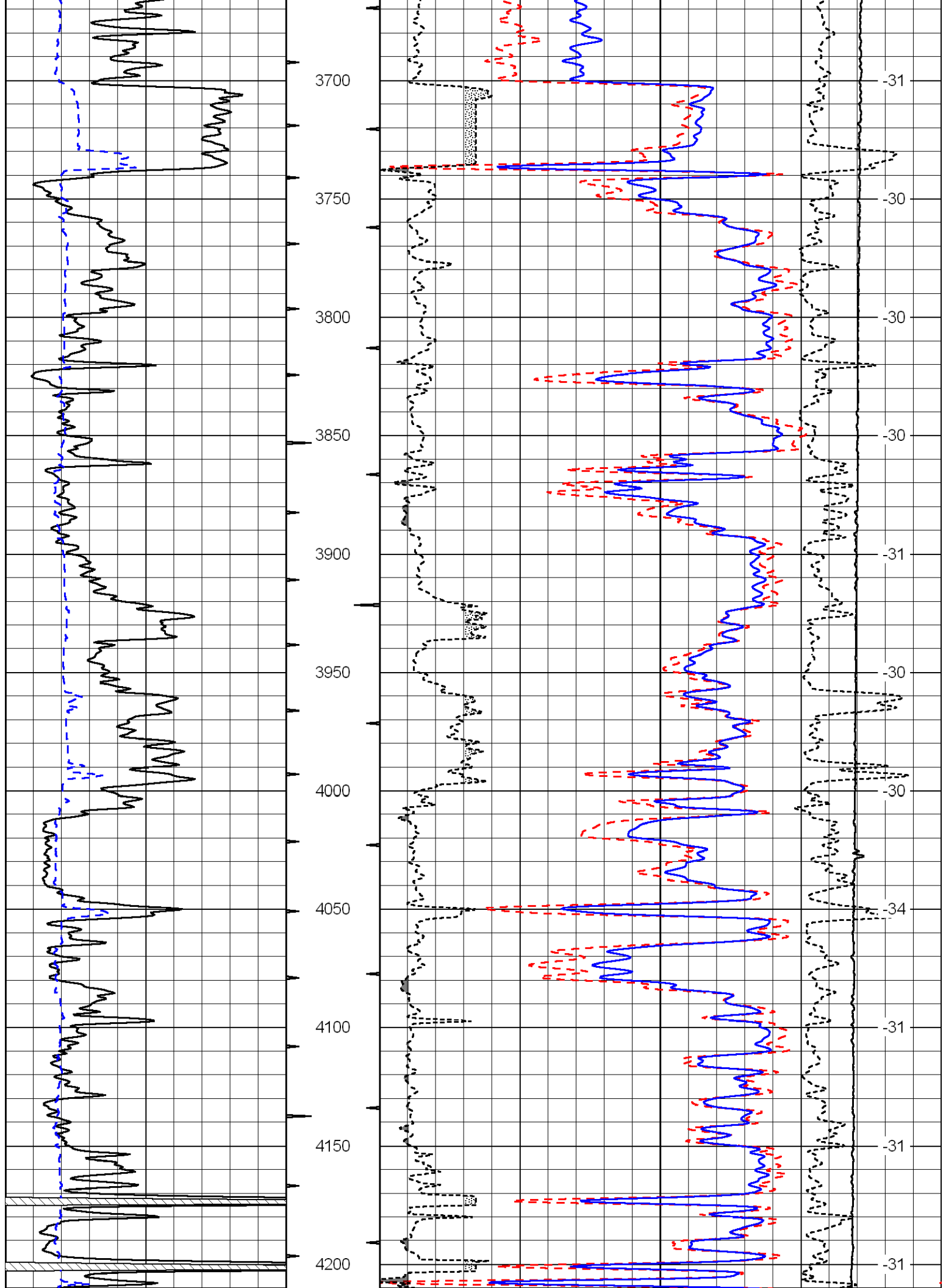
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 Presentation Format: cdl
 Dataset Creation: Sat Aug 18 23:19:49 2012
 Charted by: Depth in Feet scaled 1:600

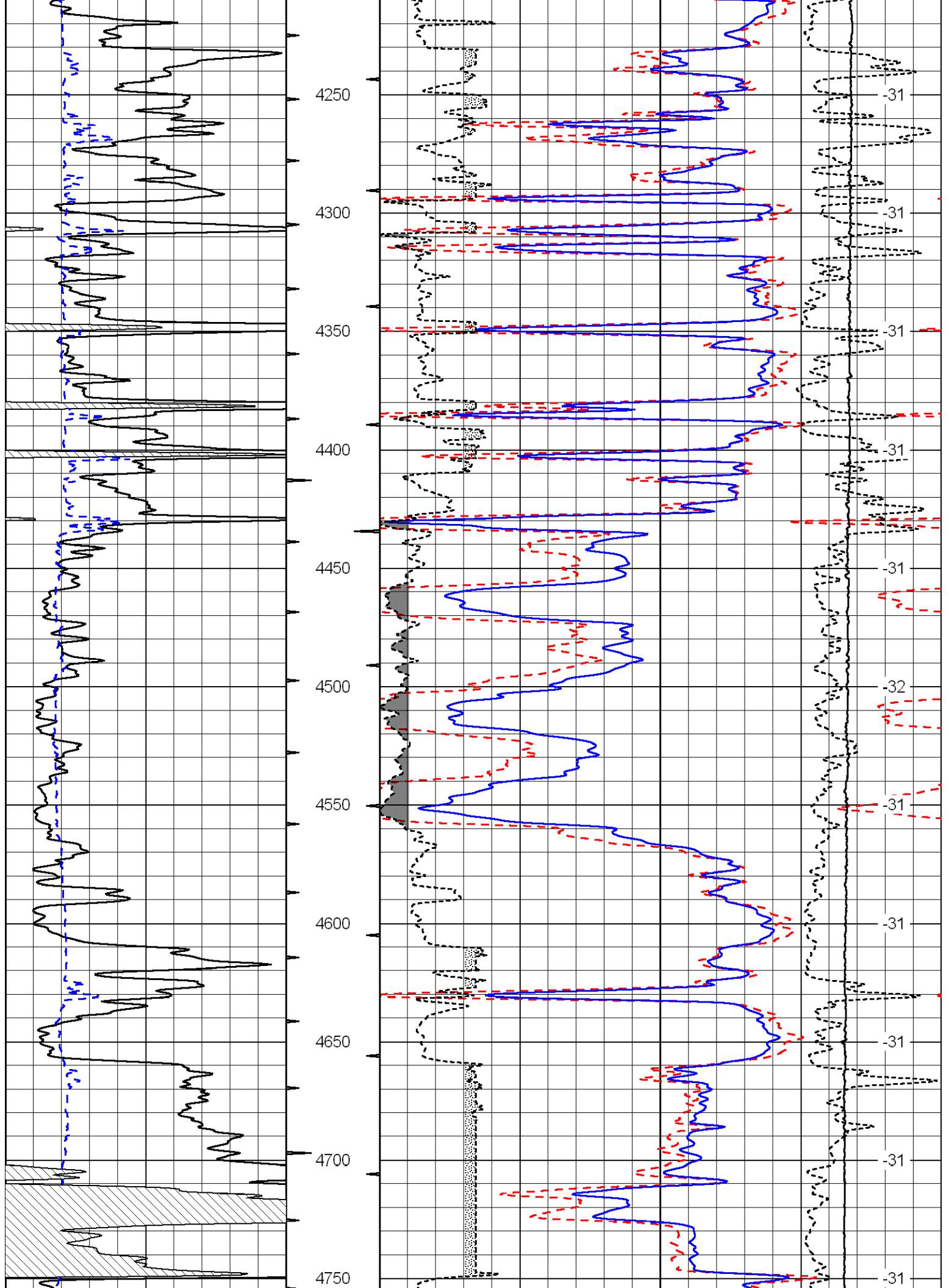
0	Gamma Ray	150
6	Caliper (GAPI)	16

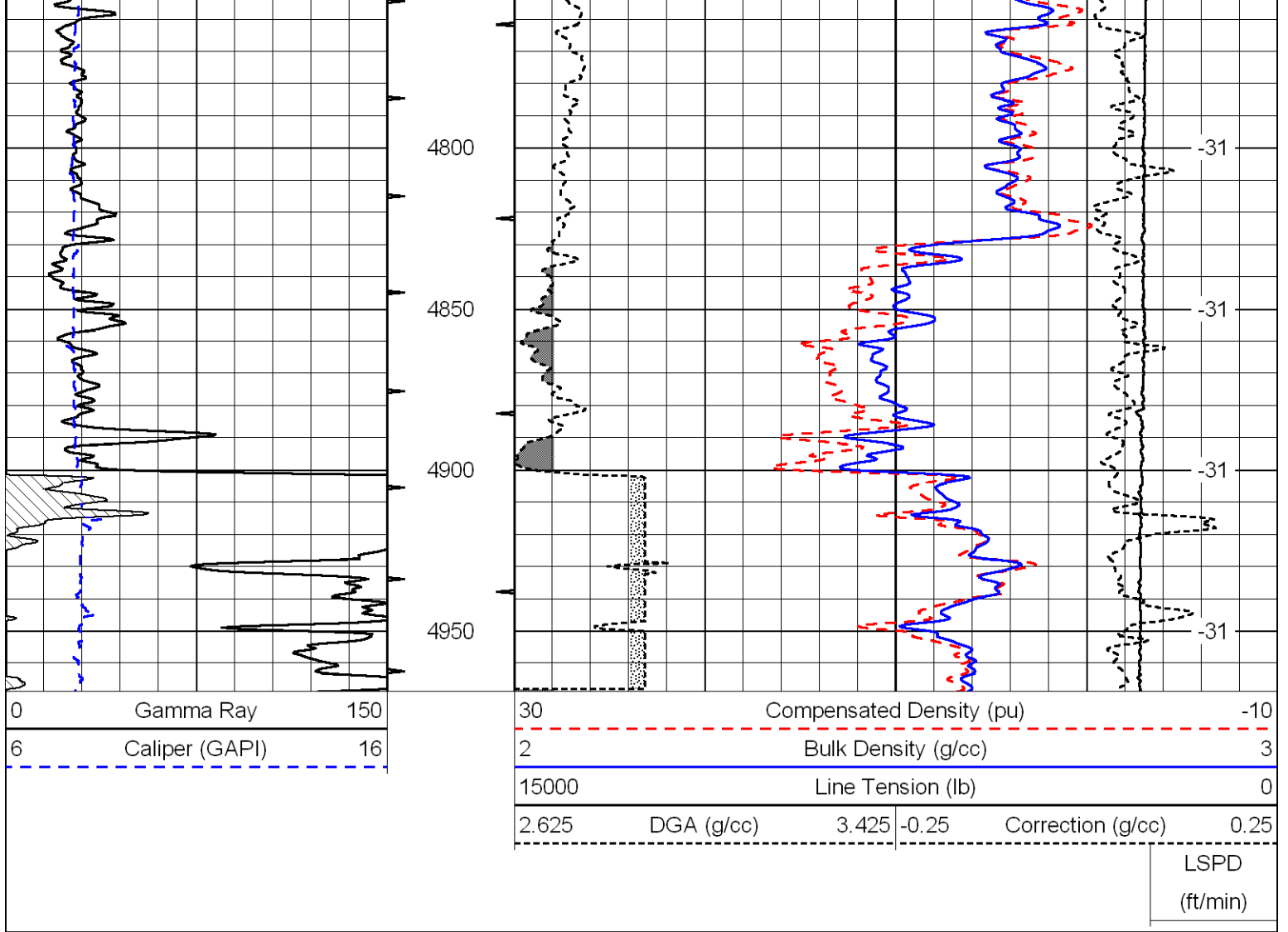
30	Compensated Density (pu)			-10	
2	Bulk Density (g/cc)			3	
15000	Line Tension (lb)			0	
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25

LSPD
(ft/min)

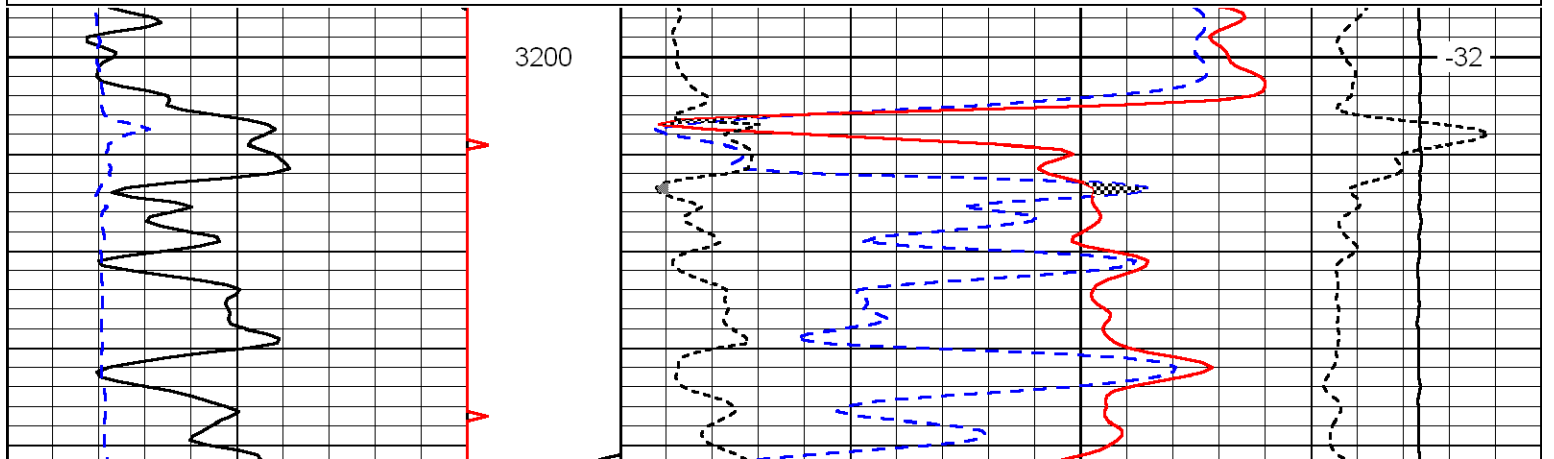
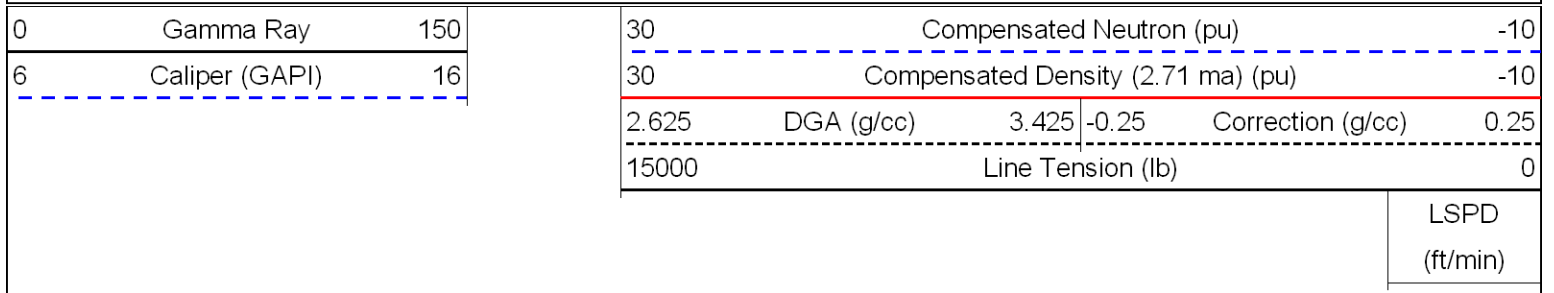


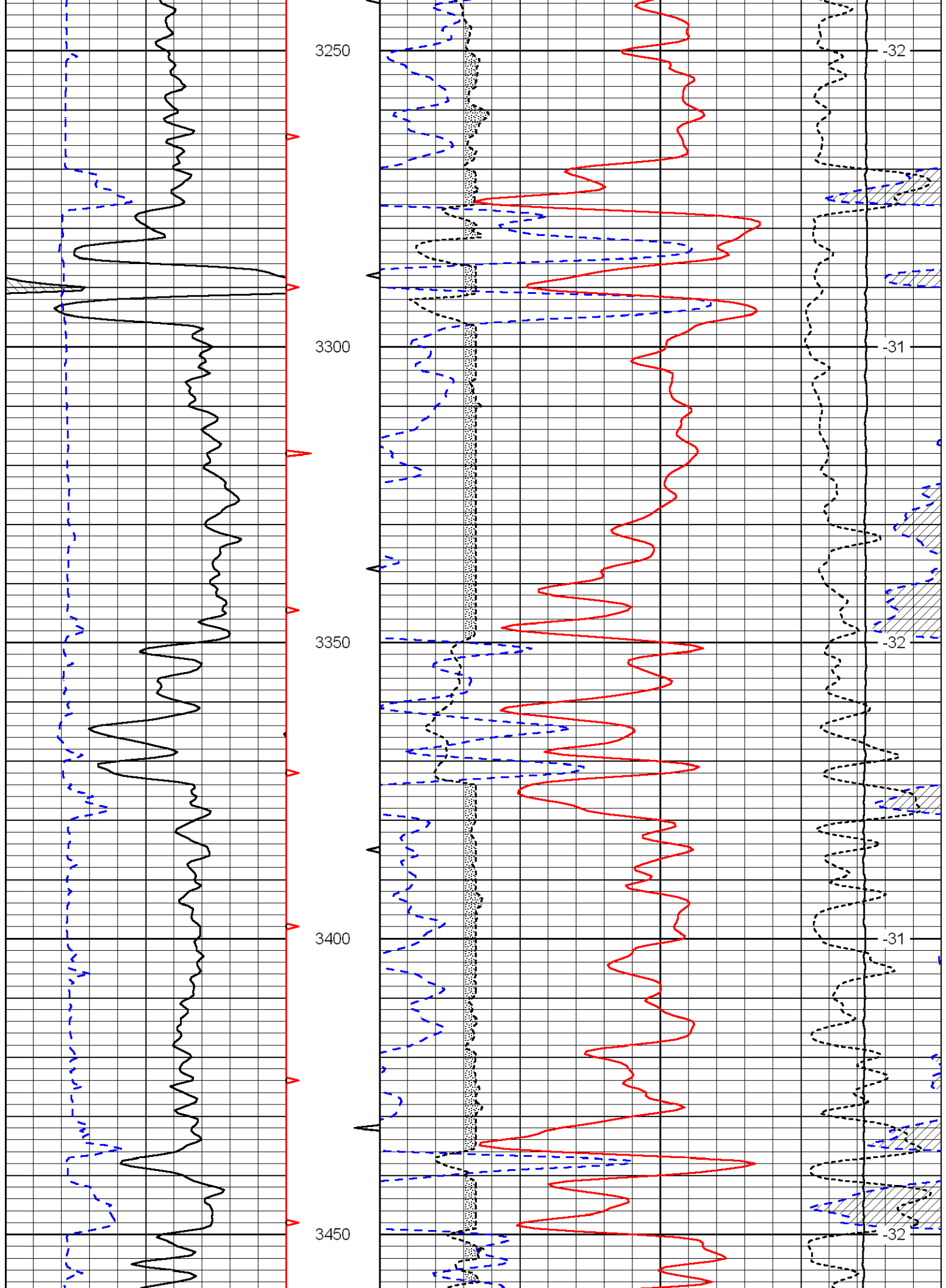


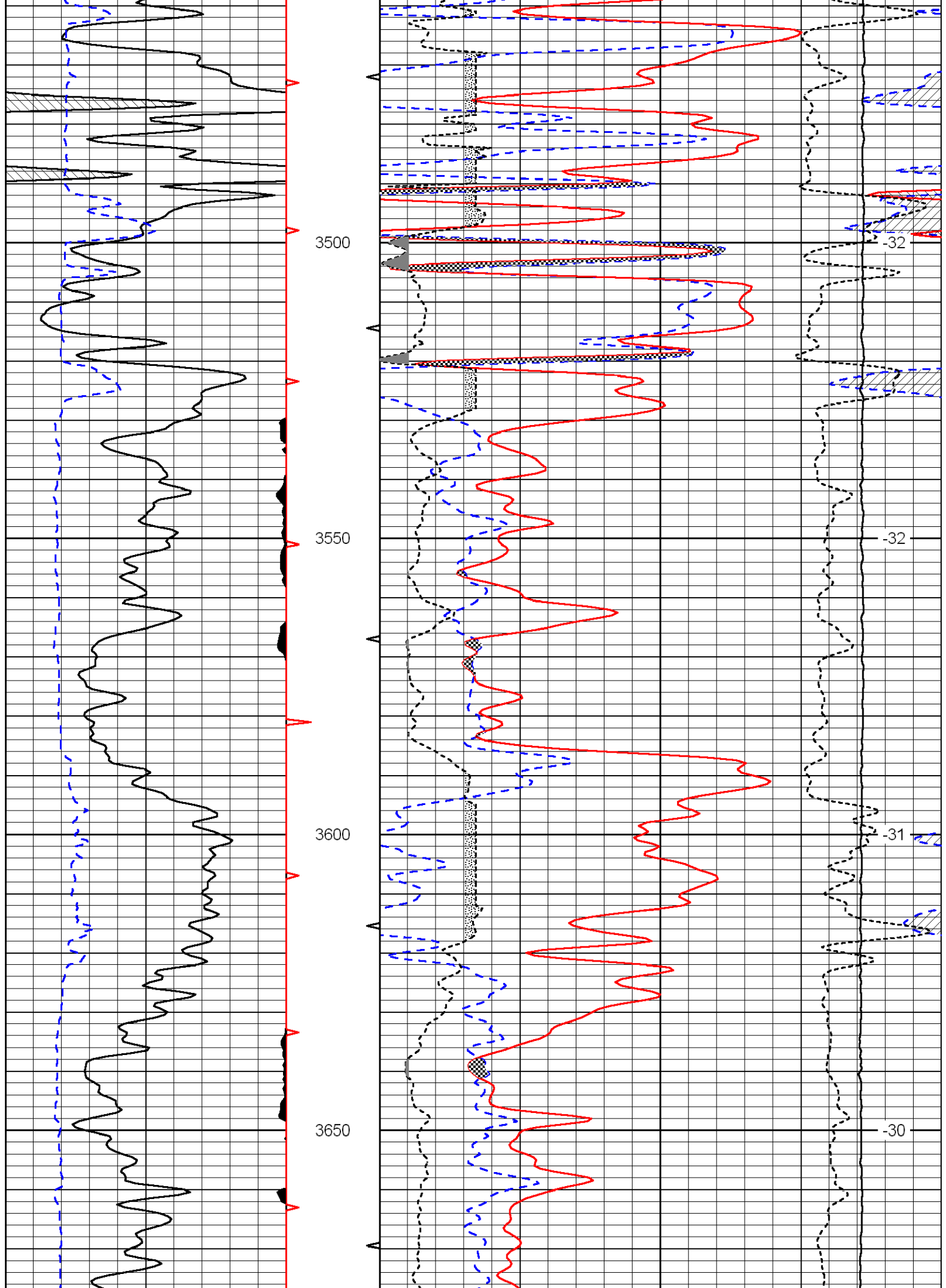


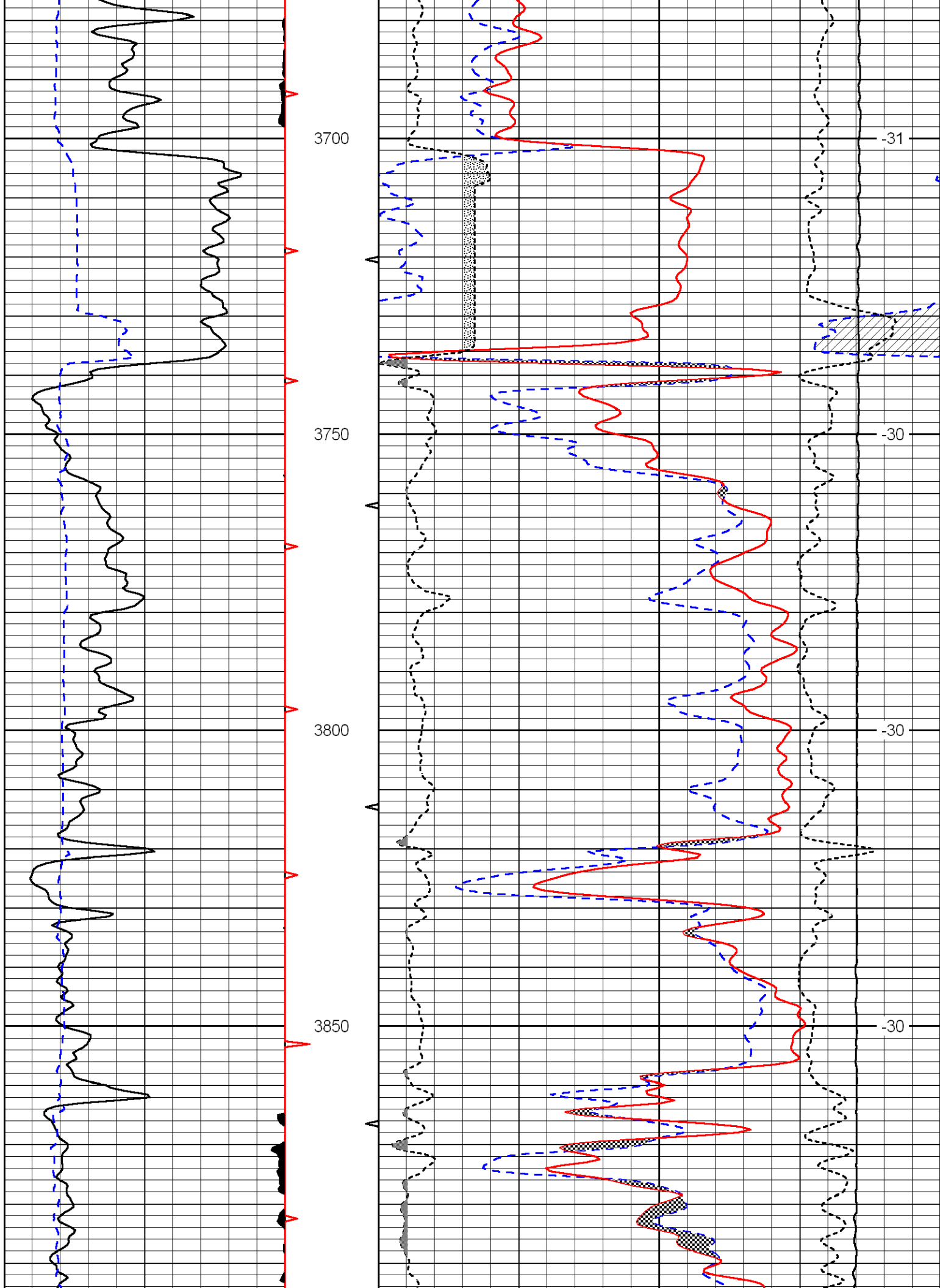


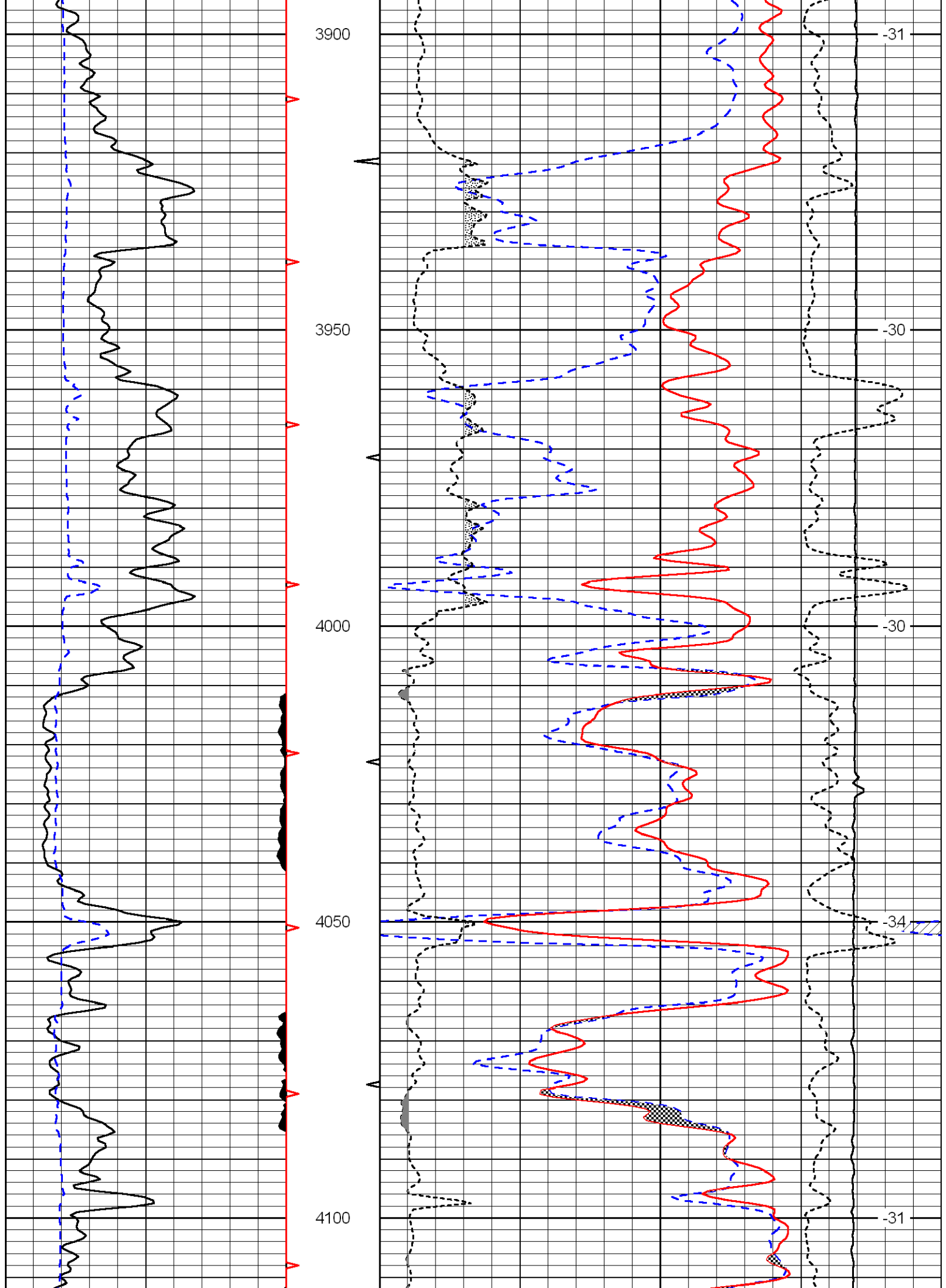
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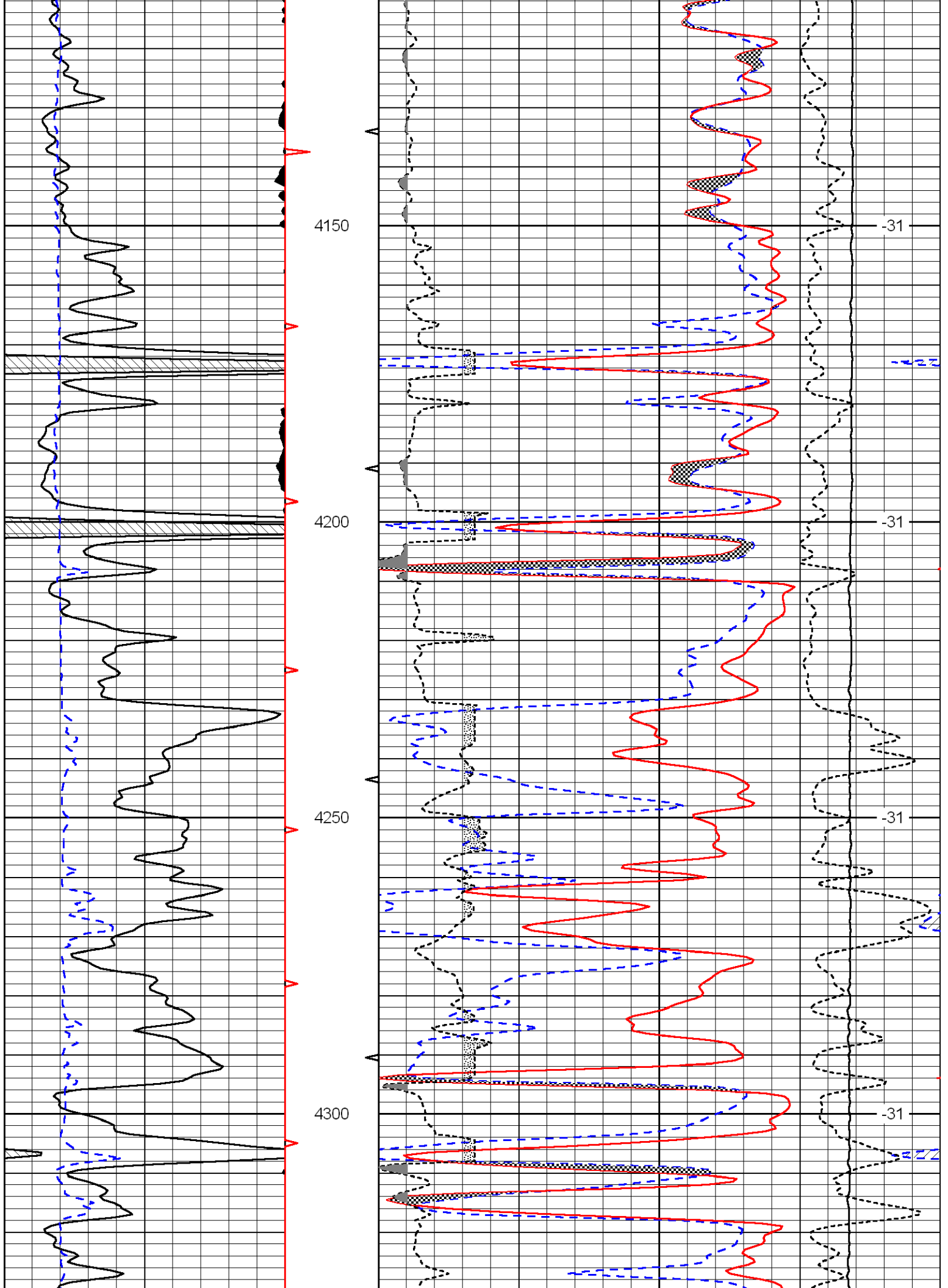


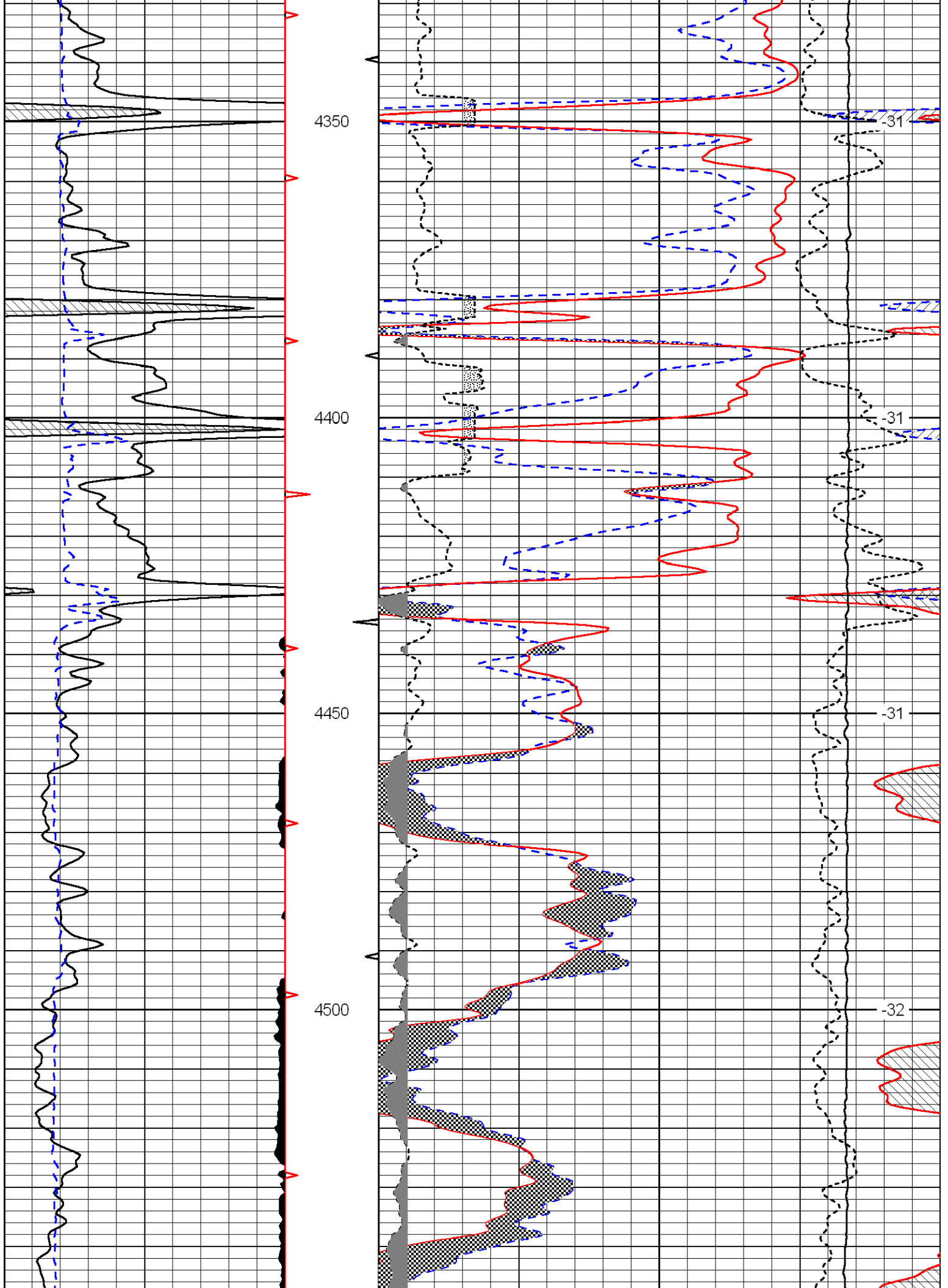


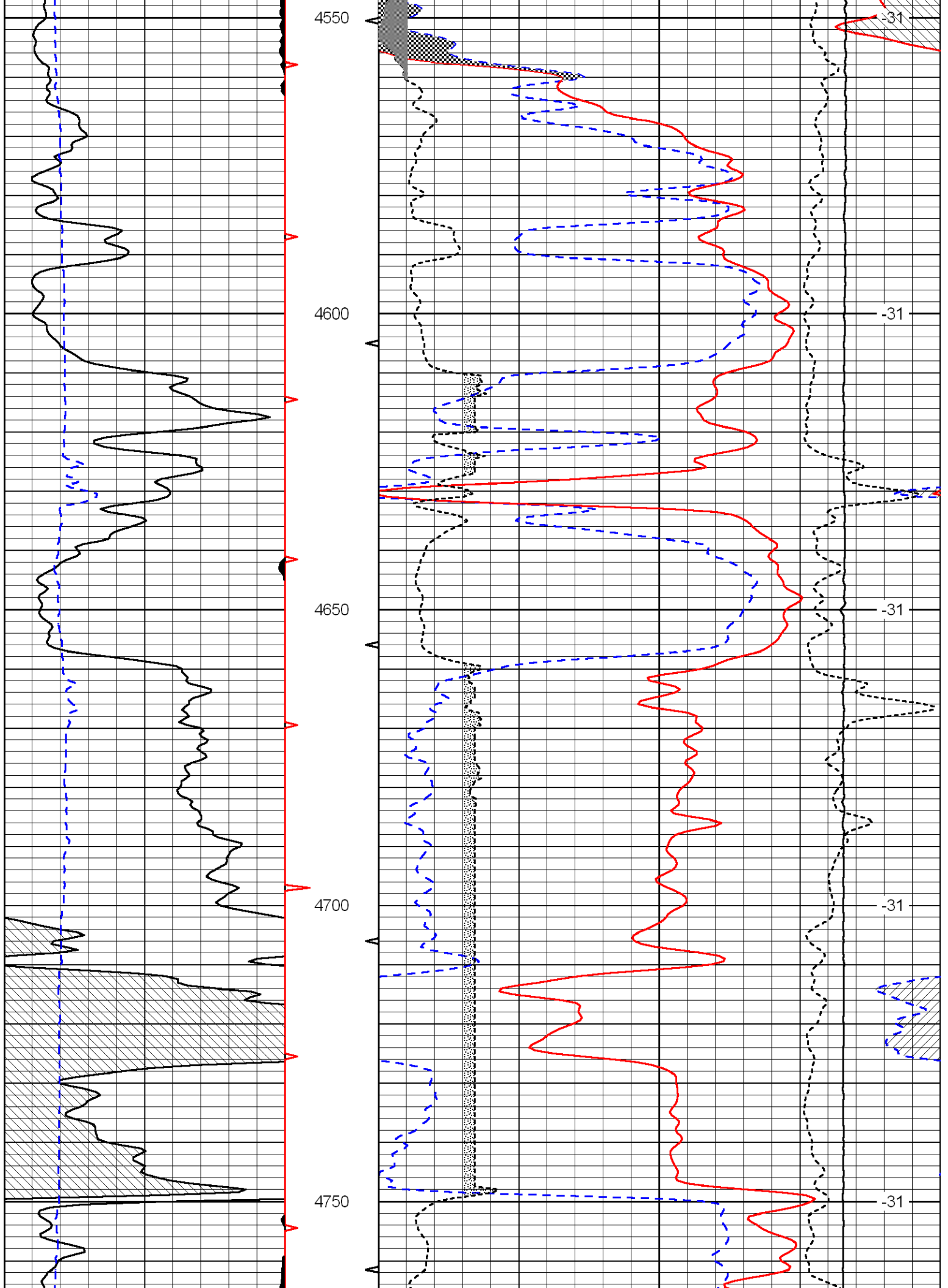


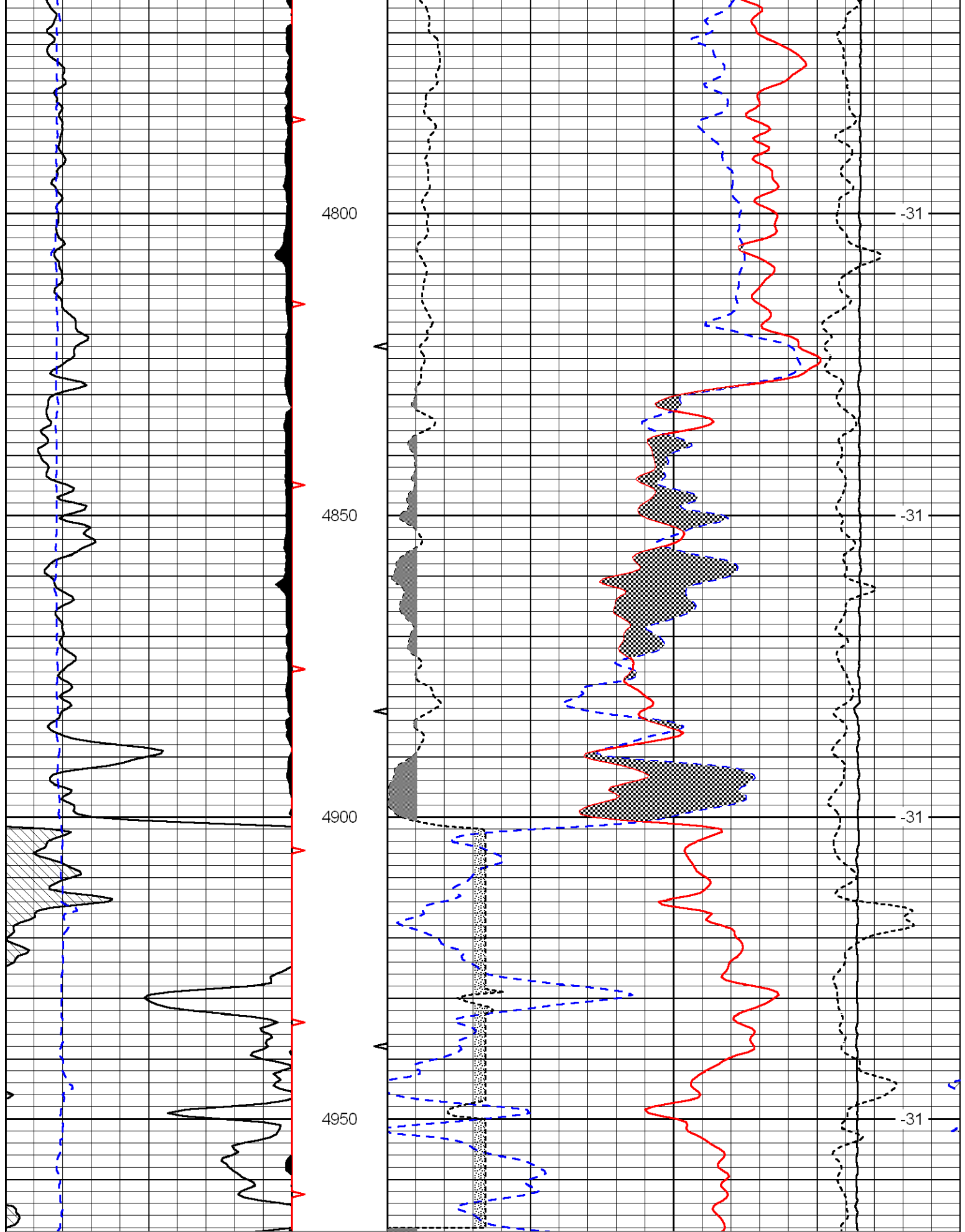












0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (pu)	-10
30	Compensated Density (2.71 ma) (pu)	-10
2.625	DGA (g/cc)	3.425 -0.25
	Correction (g/cc)	0.25

15000	Line Tension (lb)	0
		LSPD (ft/min)