



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

15-007-23962-00-00

API No.

Company N-10 Exploration, LLC
Well Medicine River Ranch 'F' #1
Field Landis
County Barber
State Kansas

Location 2200' FSL & 880' FWL

Sec: 14 **Twp:** 34S **Rge:** 11W

Other Services
DIL

Permanent Datum **Ground Level** **Elevation** 1369
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1379
D.F.
G.L. 1369

Date	11/5/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	5025	
Depth Logger	5027	
Bottom Logged Interval	5006	
Top Logged Interval	3400	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	4000	
Density	9.1	
Level	Full	
Max. Rec. Temp. F	128	
Operating Rig Time	3 Hours	
Equipment -- Location	91 Hays	
Recorded By	D. Schmidt	
Witnessed By	Tim Pierce	

Run No	Bit	Borehole Record		Size	Wgt. 23#	Casing Record	
		From	To			From	To
One	12.25	00	256	8.625		00	256
Two	7.875	256	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.

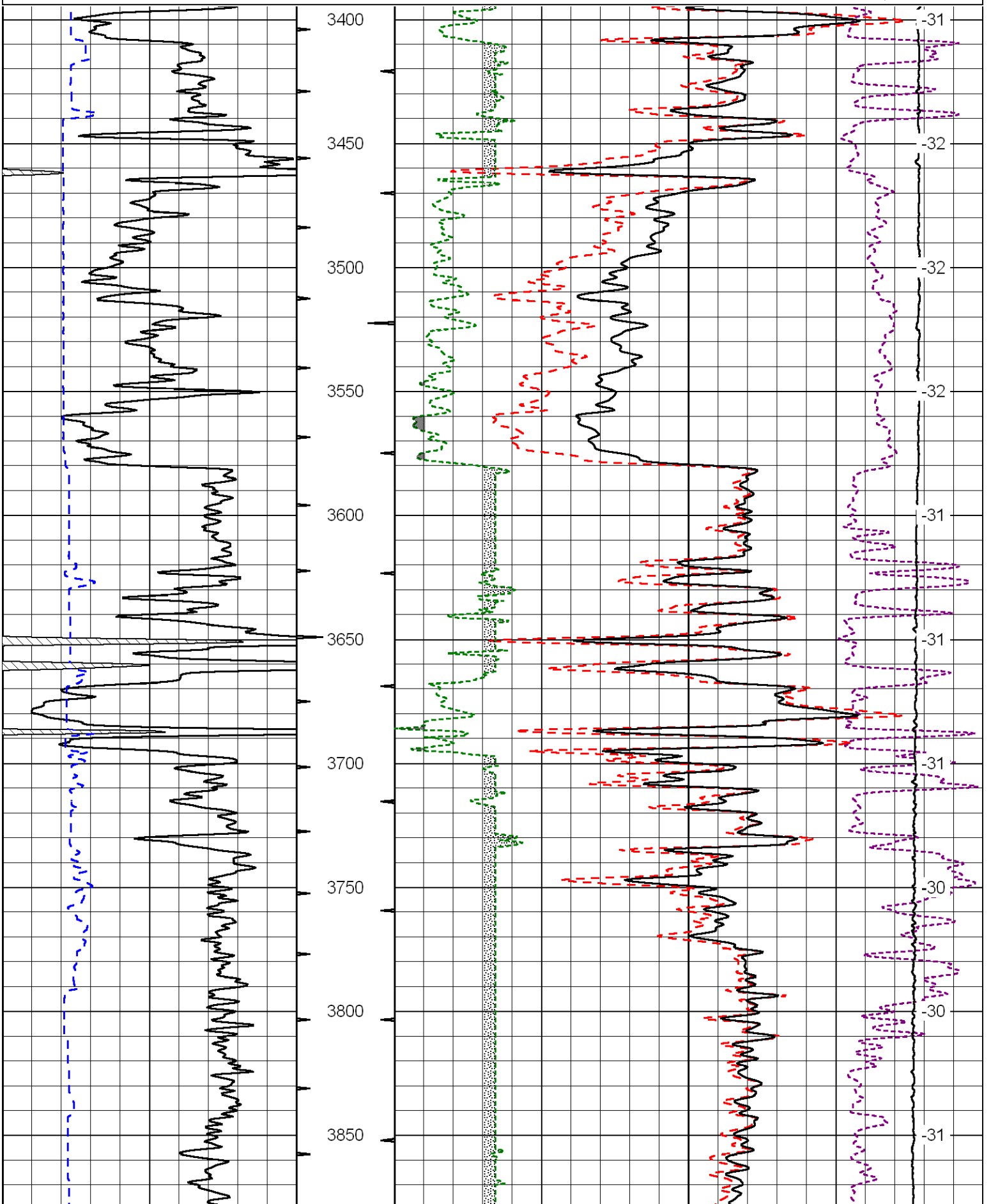
Comments

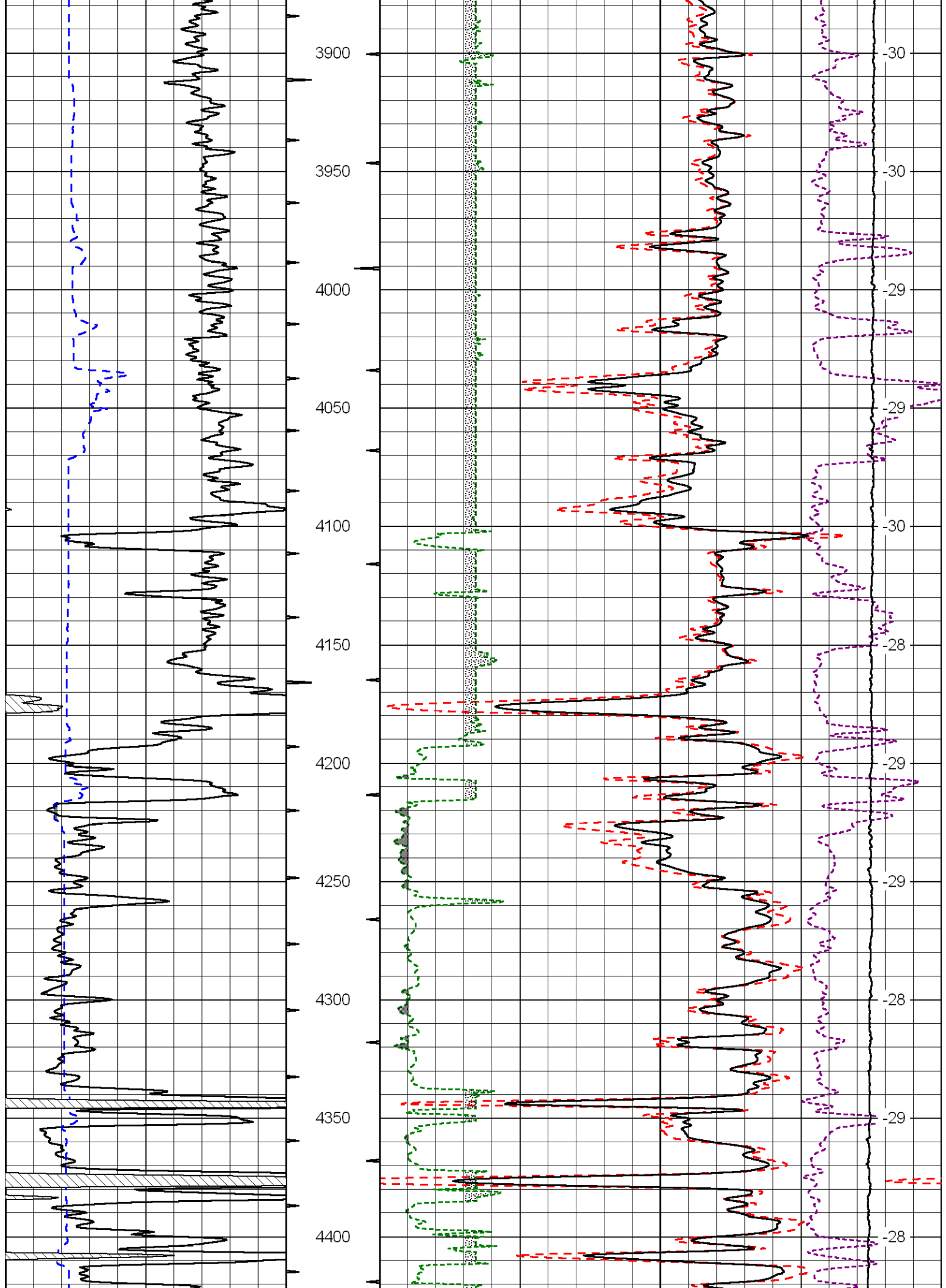
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Medicine Lodge,
 South to Gerlane, East to Bethel, South to Scott Canyon,
 1 West, 1/2 South along West side of fence line,
 East & South into

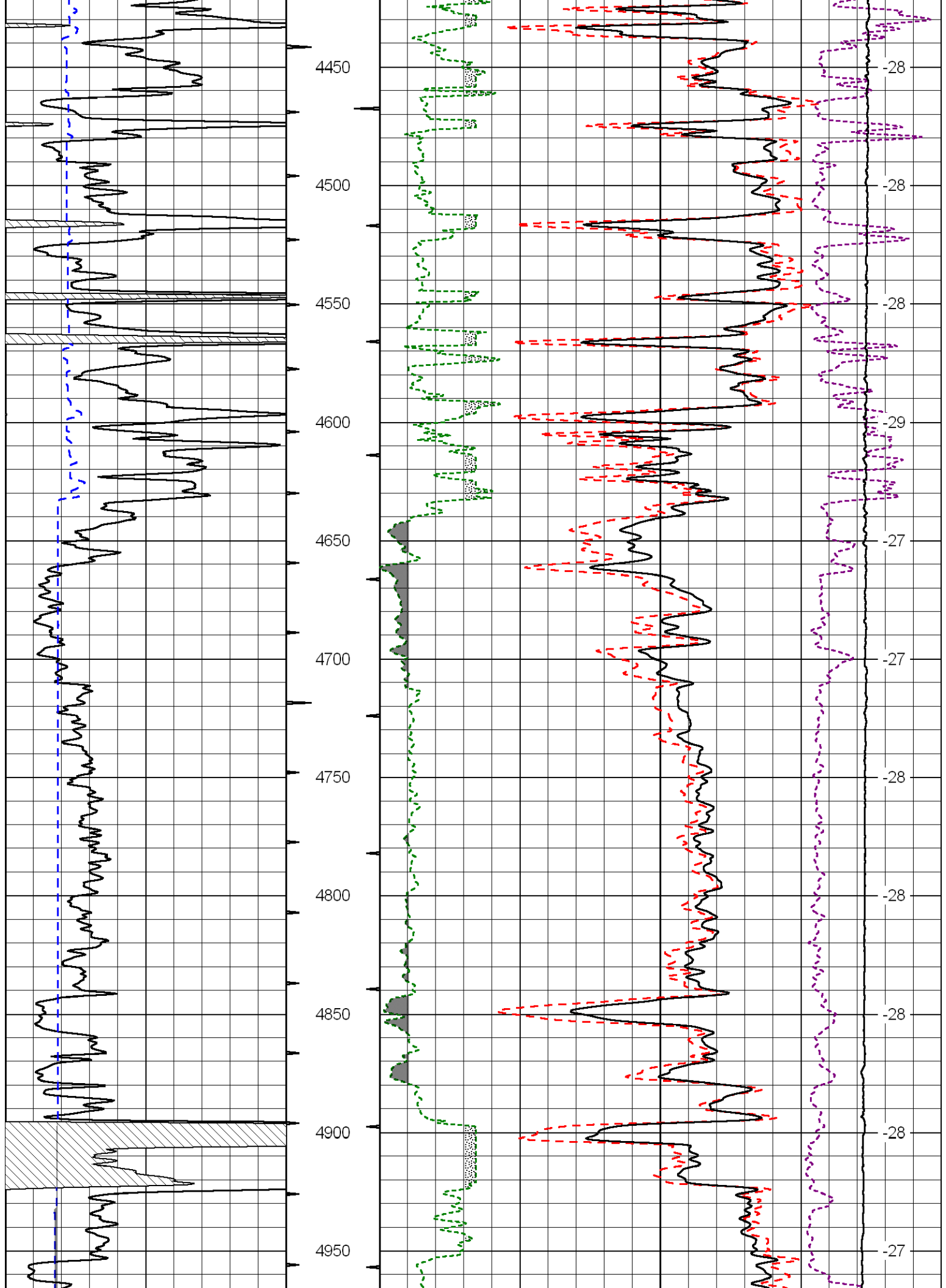
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 Charted by: Depth in Feet scaled 1:600

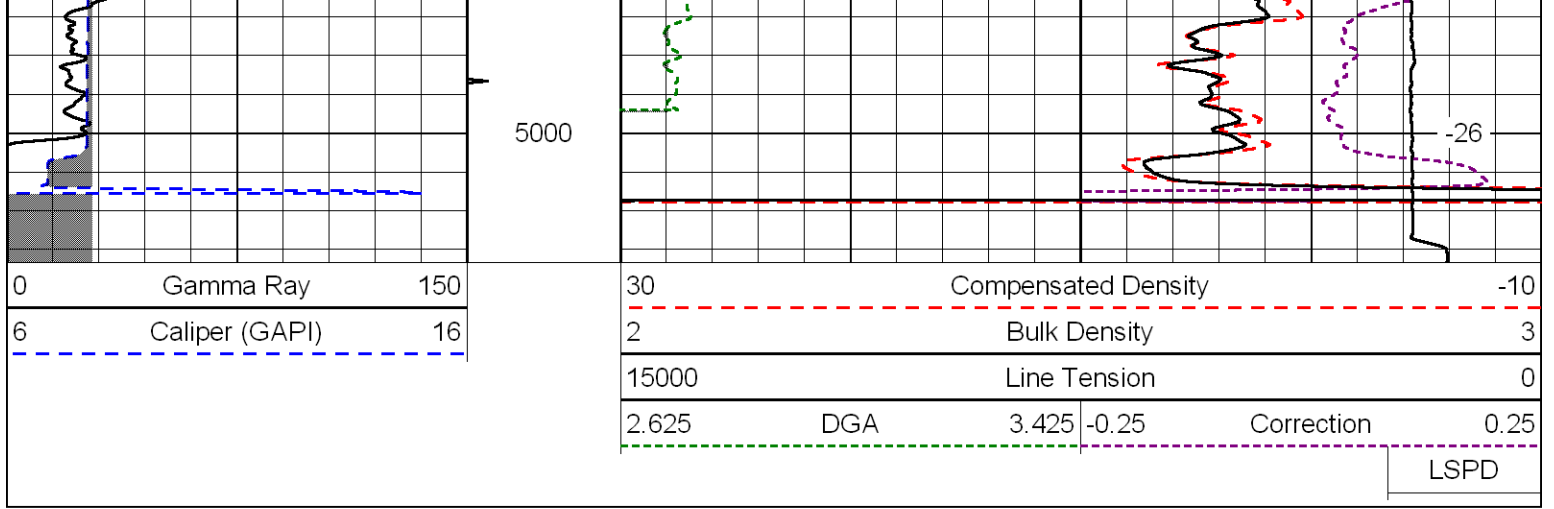
0	Gamma Ray	150
6	Caliper (GAPI)	16

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

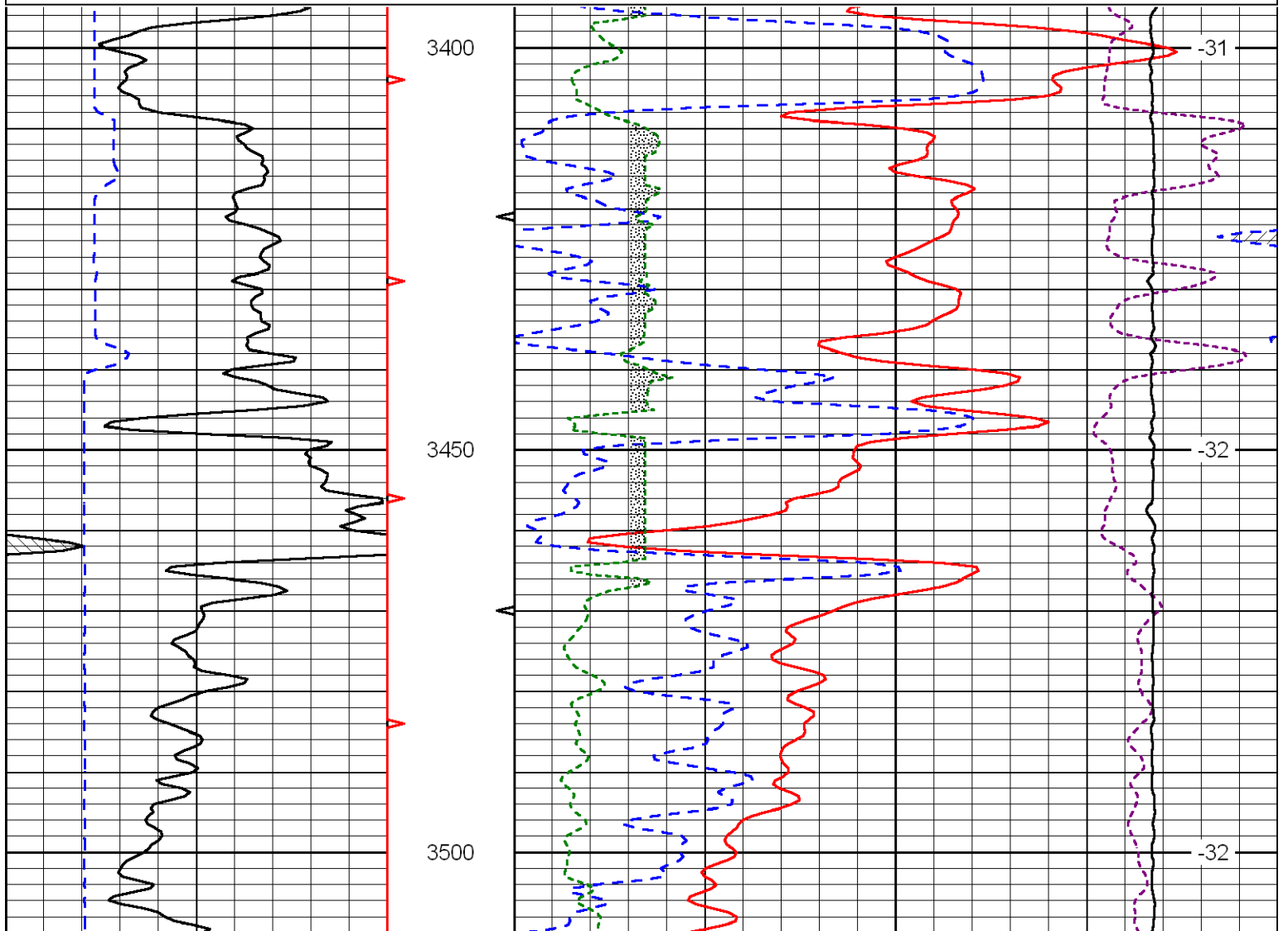
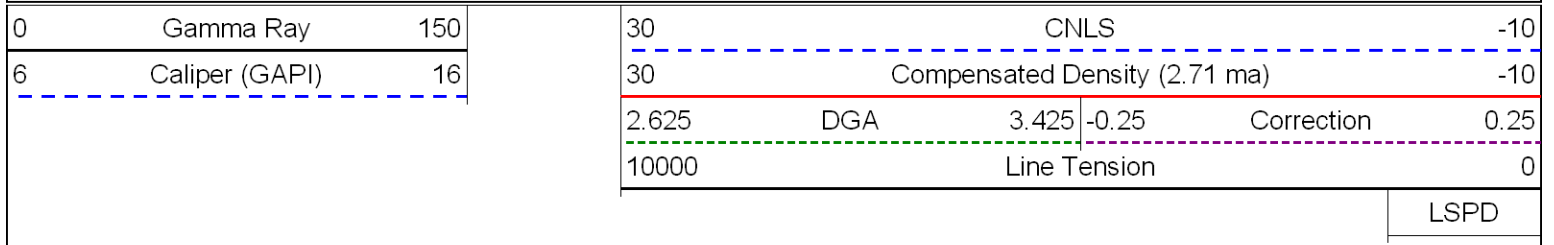


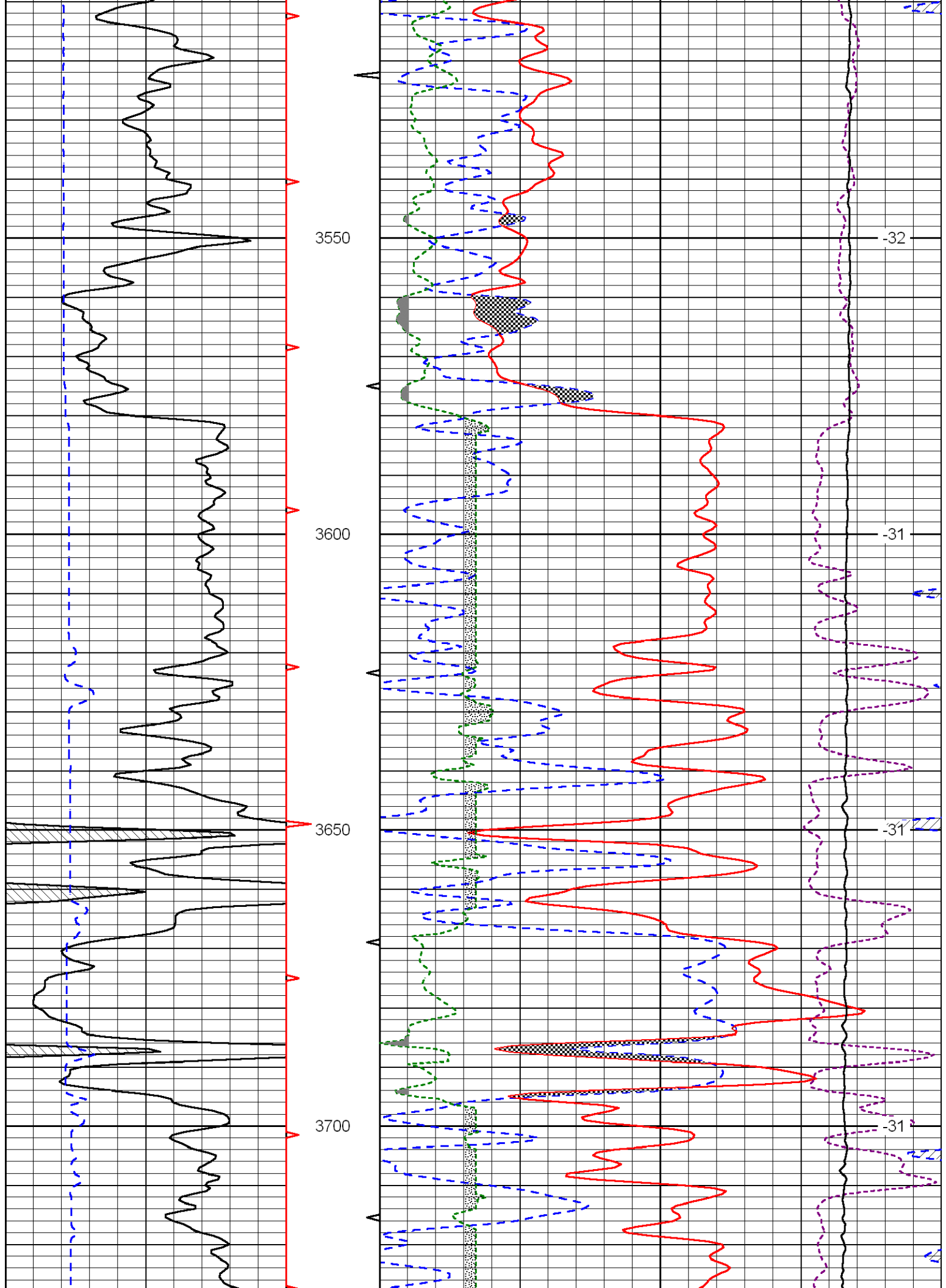


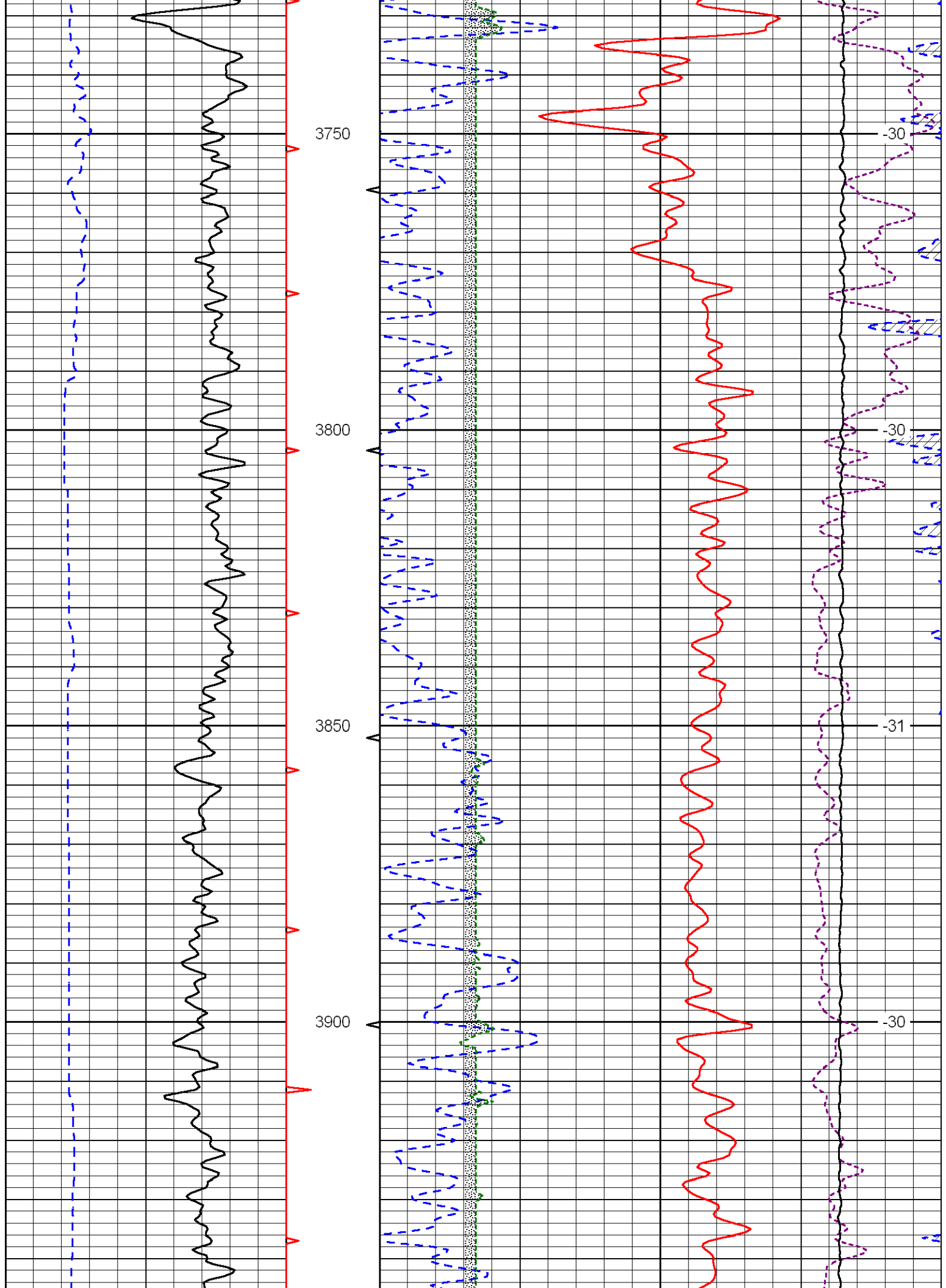


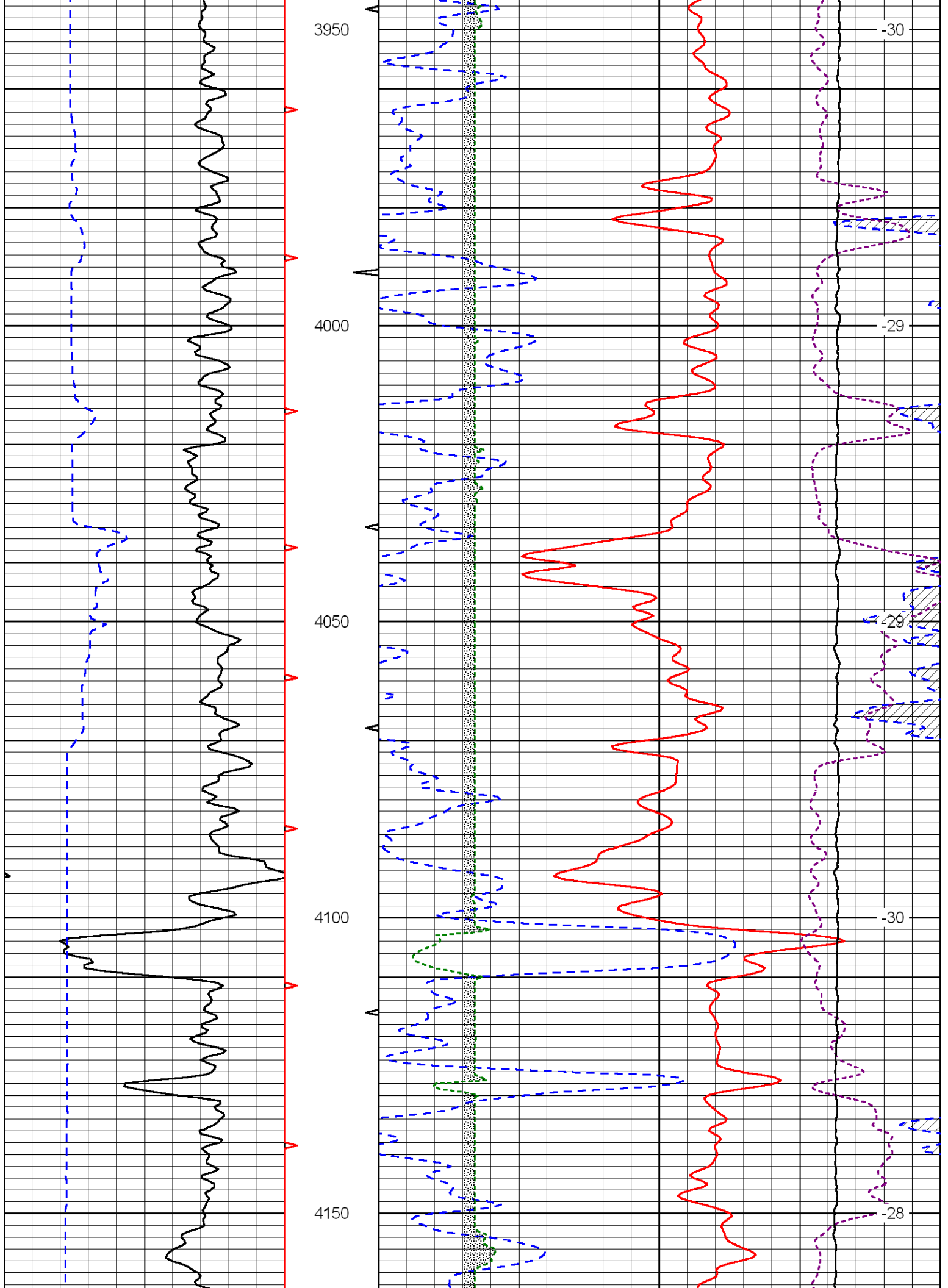


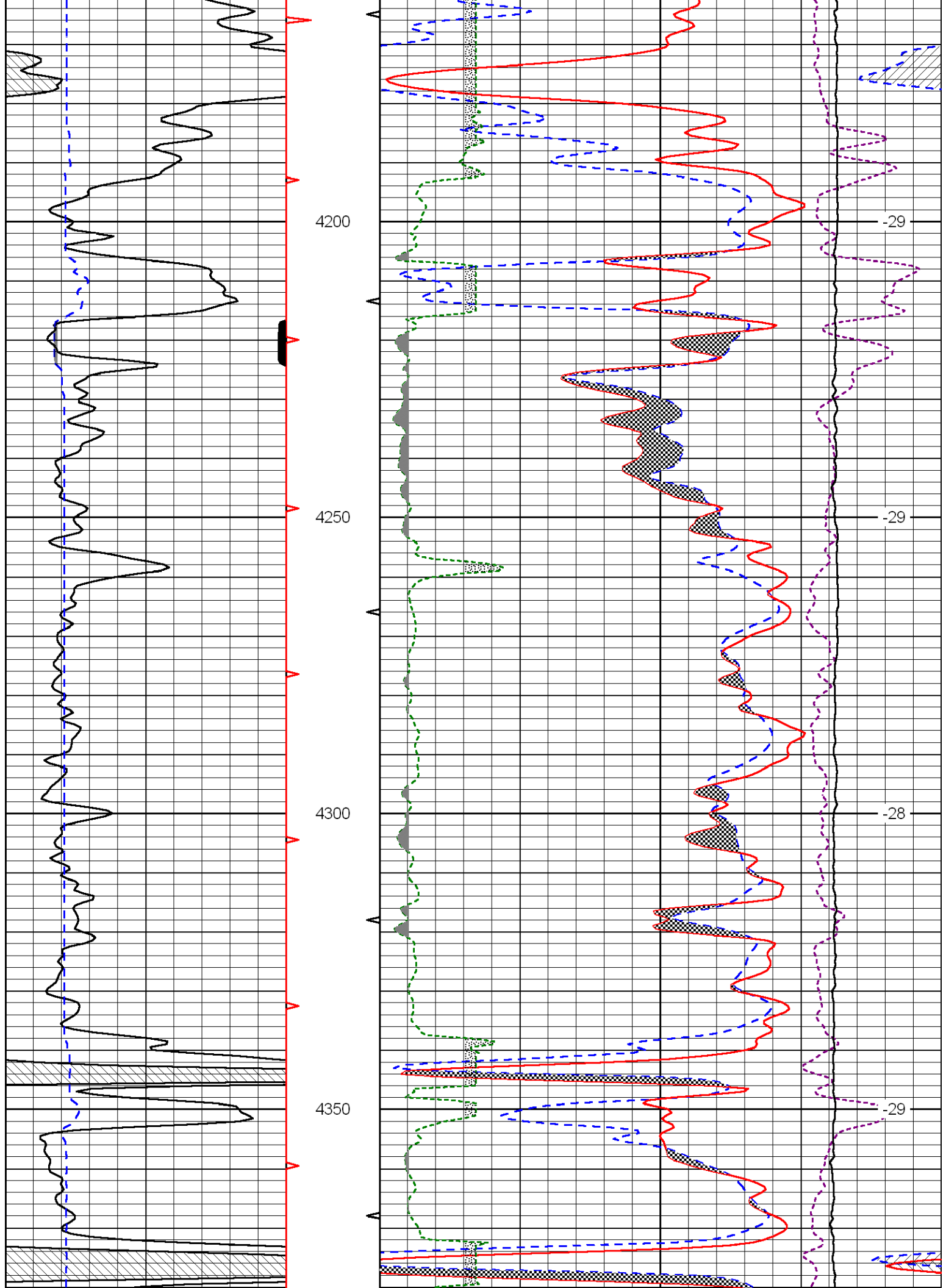
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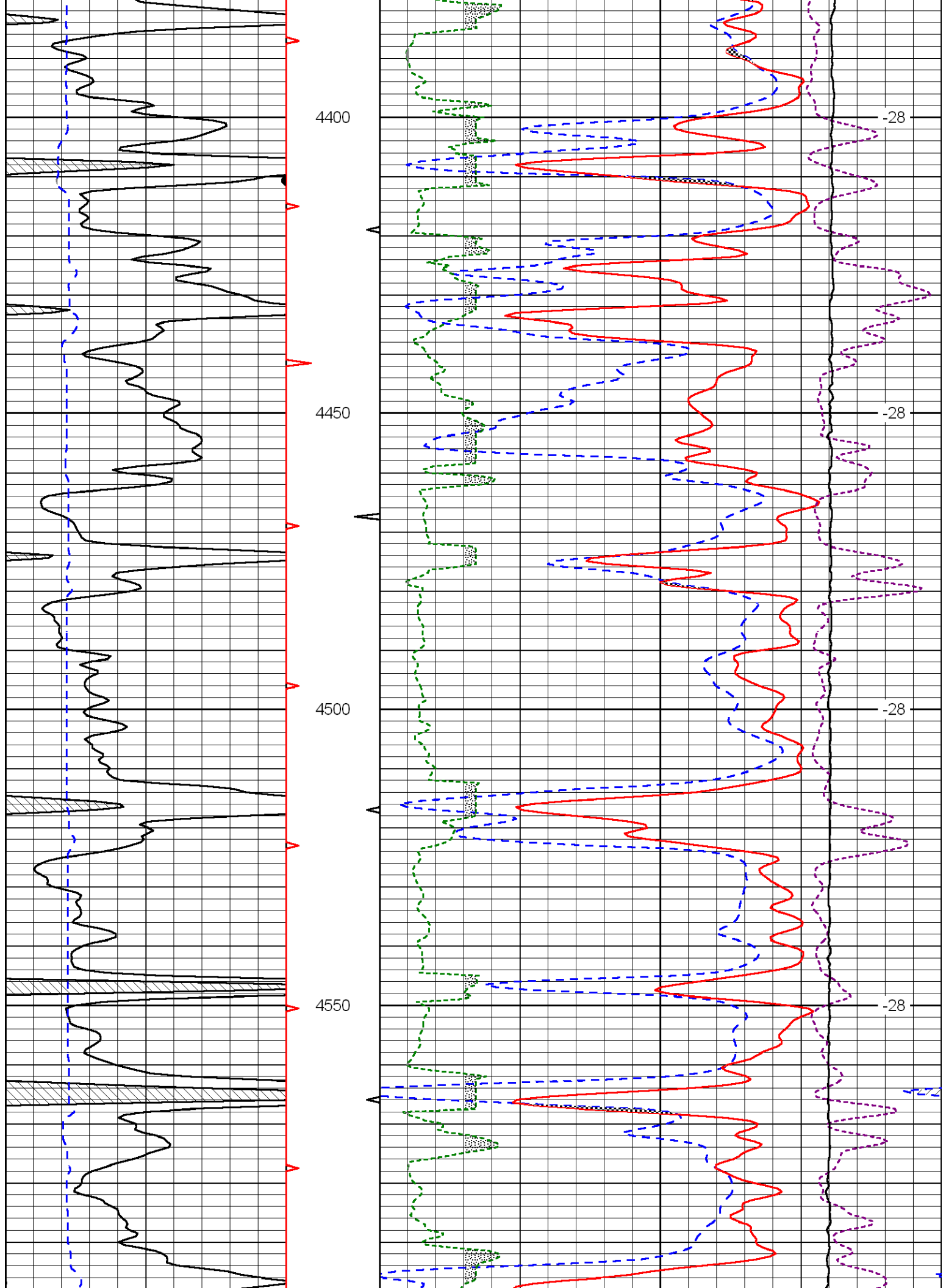


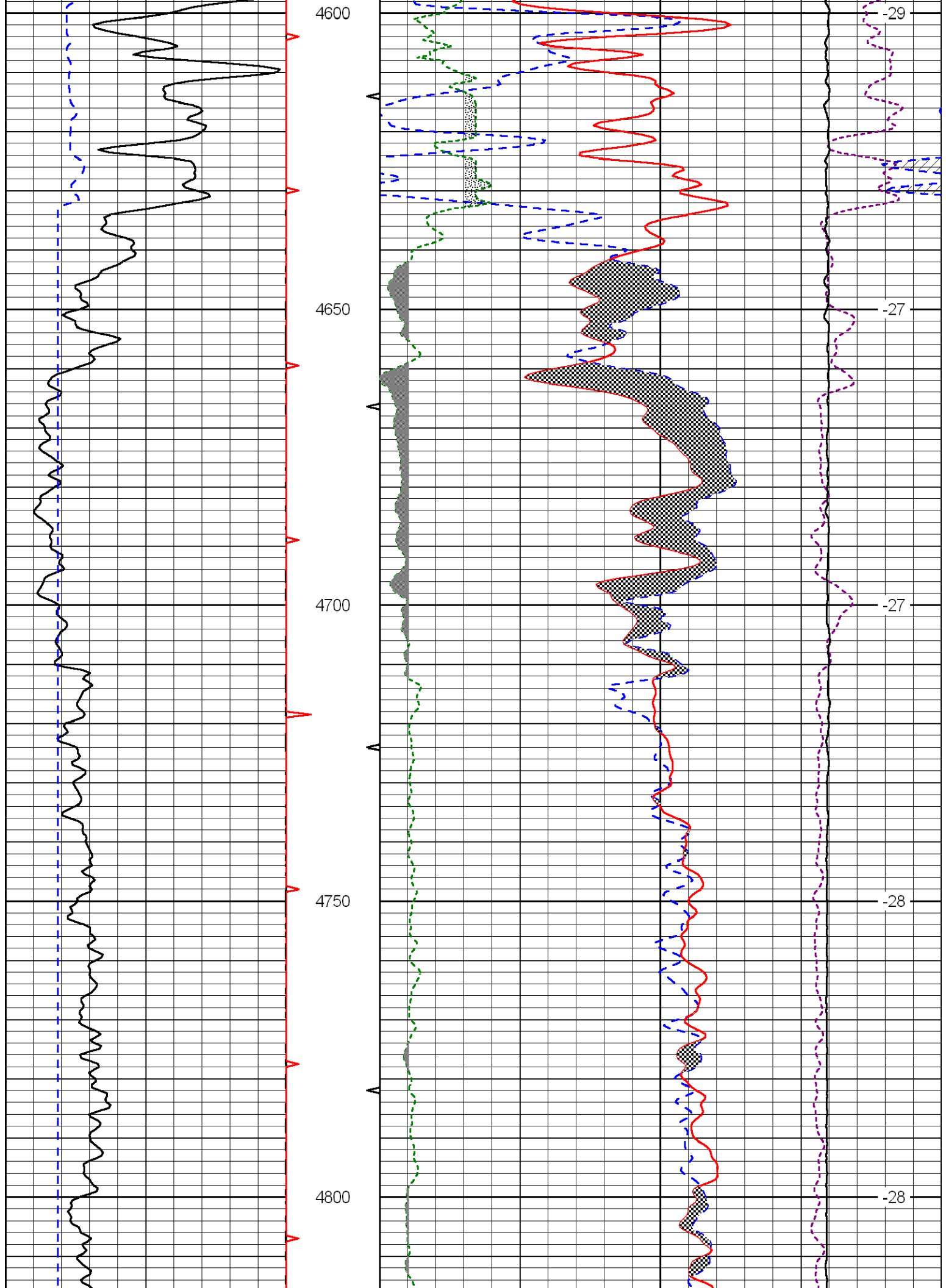


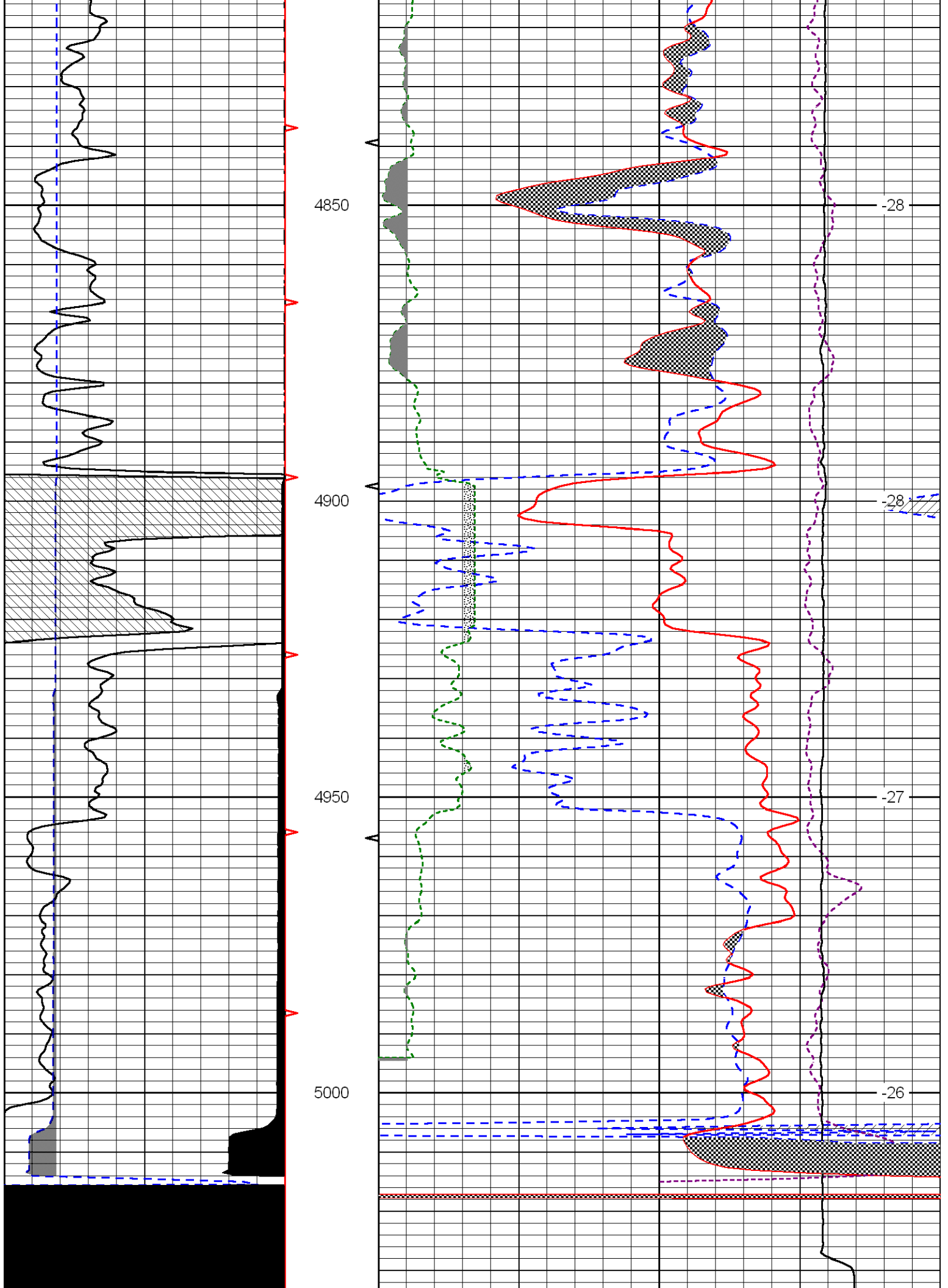












0	Gamma Ray	150
6	Caliper (GAPI)	16

30	CNLS			-10	
30	Compensated Density (2.71 ma)			-10	
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension			0	
				LSPD	