



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-153-20,910-00-00	
Company	Murfin Drilling Company, Inc.	
Well	PTL No. 1 - 22	
Field	Wildcat	
County	Rawlins	
State	Kansas	
Location	1550' FSL & 2210' FEL	
Sec: 22	Twp: 2 S	Rge: 36 W
Permanent Datum	Ground Level	Elevation 3334
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services DIL MEL/BHCS
		Elevation K.B. 3344 D.F. 3334 G.L. 3334

Date	11/07/2012
Run Number	One
Type Log	CNL / CDL
Depth Driller	5060
Depth Logger	5060
Bottom Logged Interval	5039
Top Logged Interval	3600
Type Fluid In Hole	Chemical
Salinity, PPM CL	1400
Density	9.3
Level	Full
Max. Rec. Temp. F	127
Operating Rig Time	5 Hours
Equipment -- Location	108 Hays
Recorded By	D. Martin
Witnessed By	Robert Stolzle

Borehole Record		Casing Record					
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	388	8.625	23#	00	388
Two	7.875	388	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.

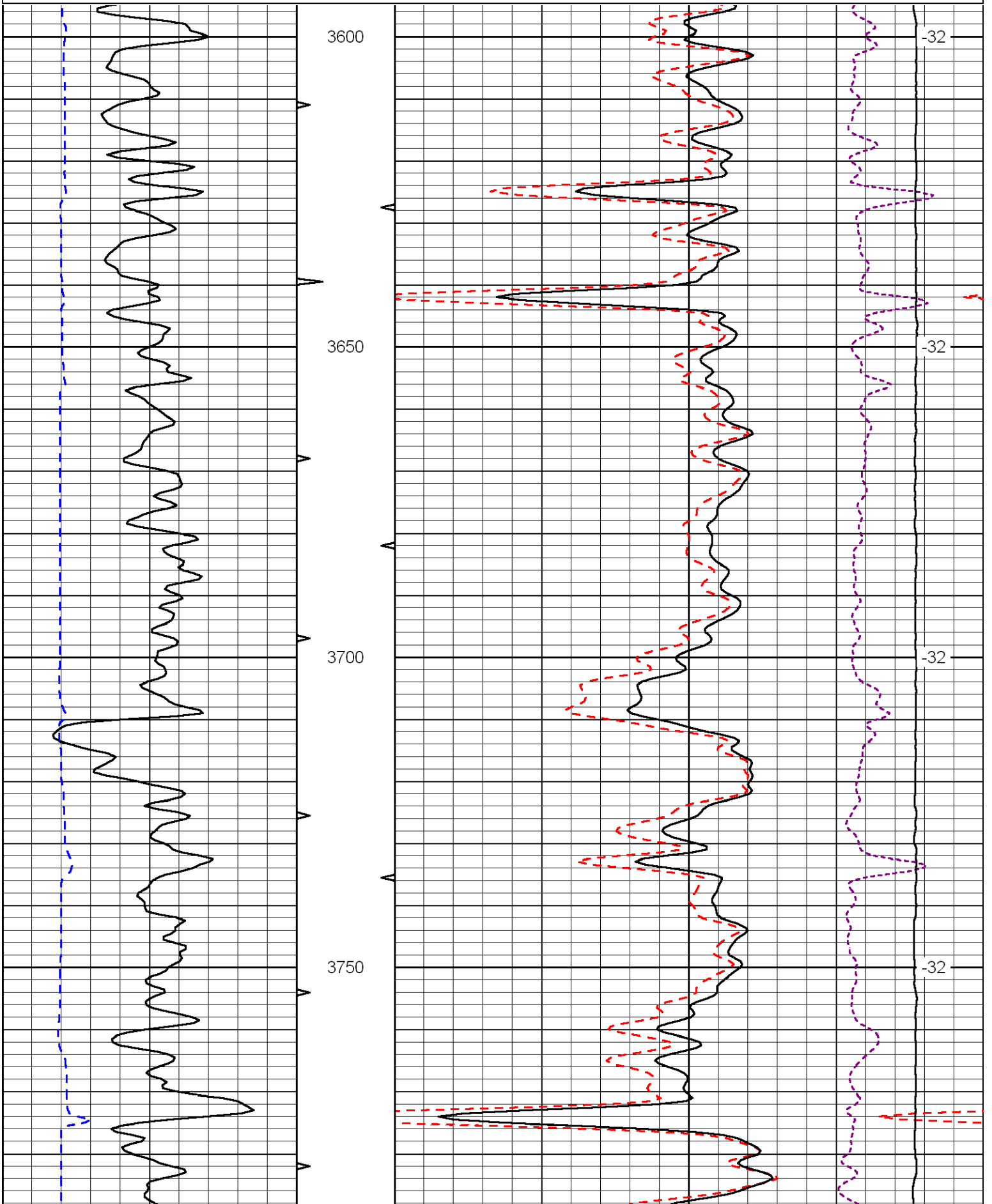
Comments

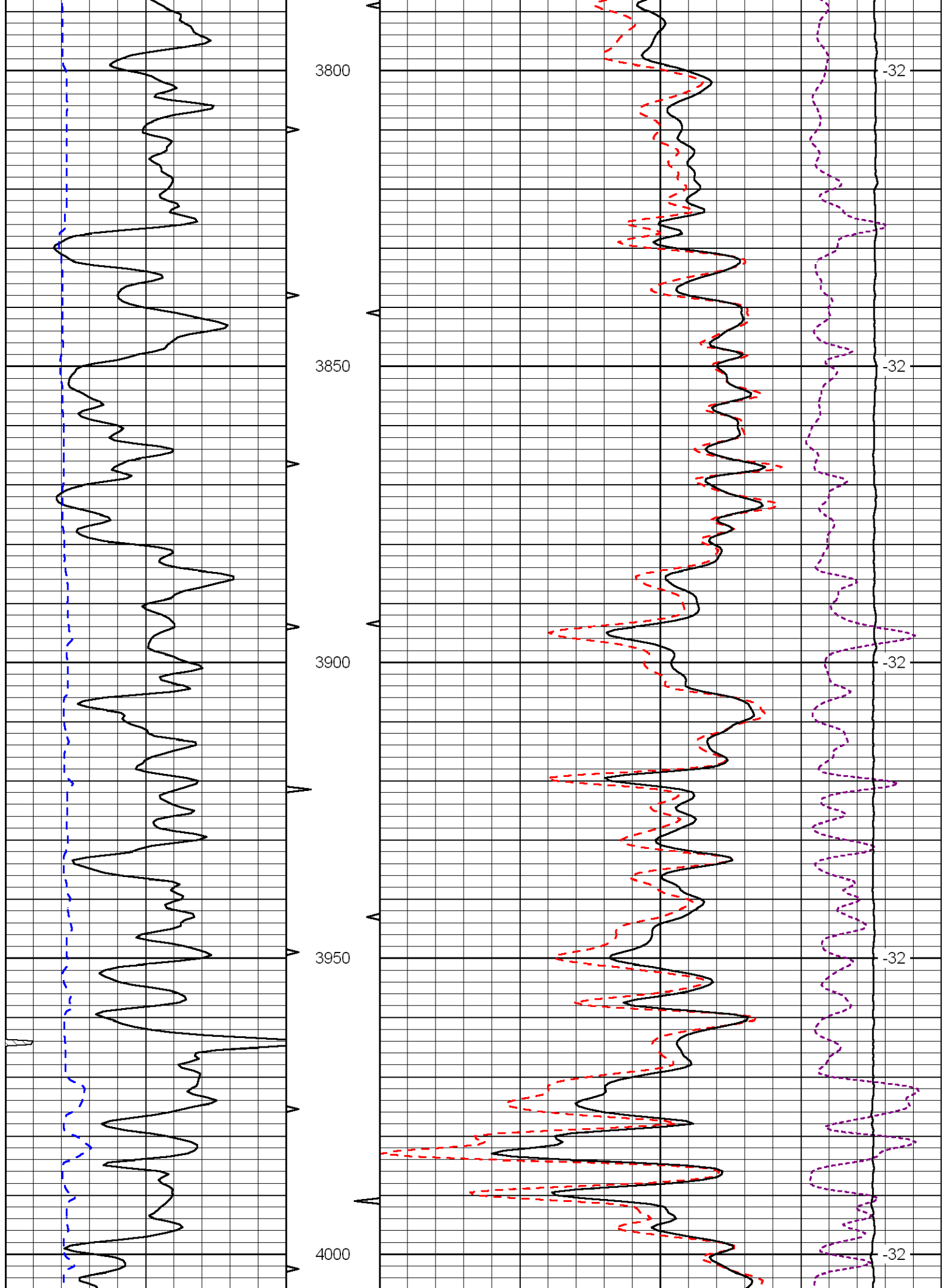
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Atwood, KS
 16 W to 5 Rd., 5 N to U Rd.,
 1/2 W, N Into

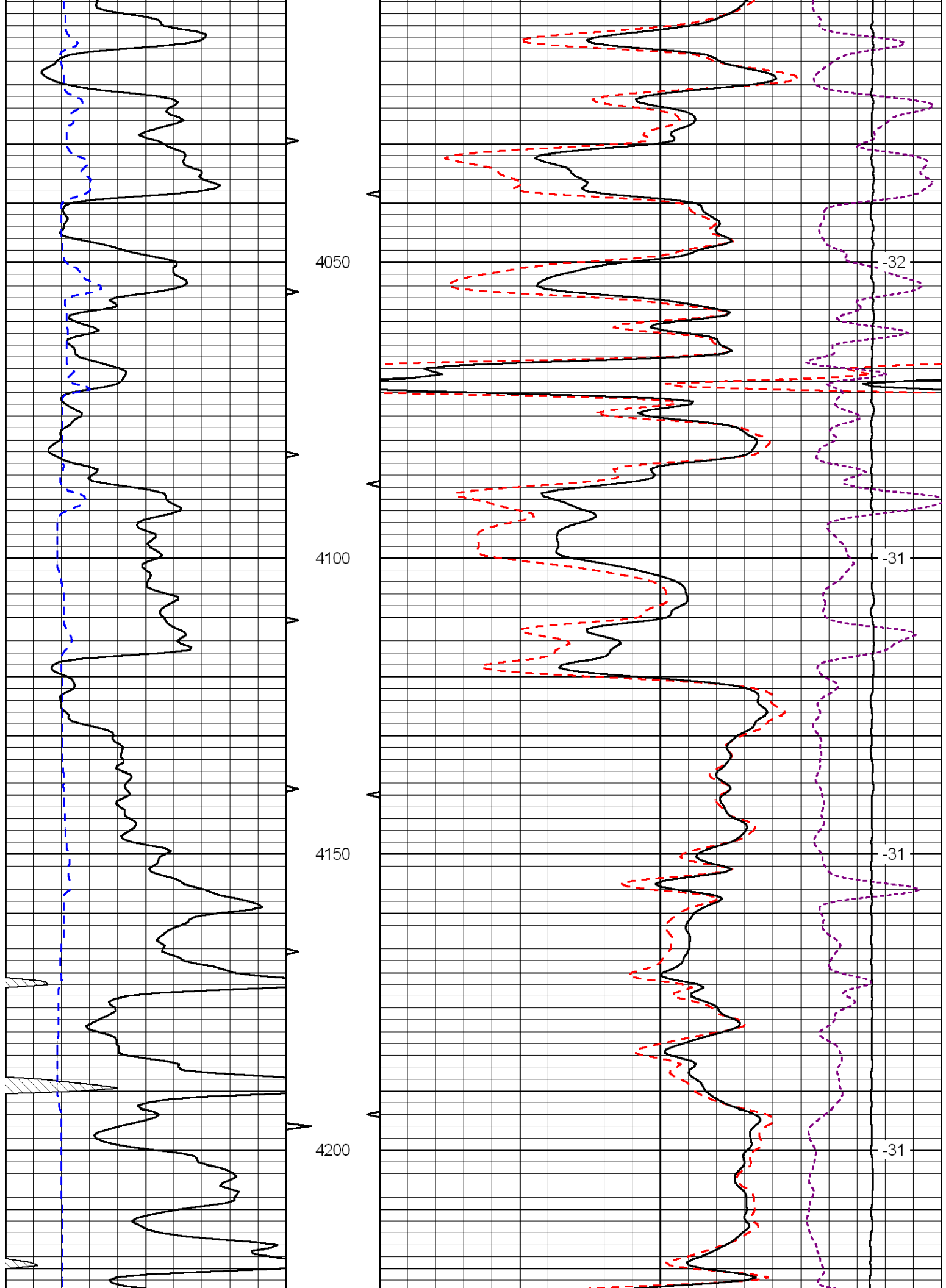
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 Presentation Format: cdl
 Dataset Creation: Tue Nov 06 06:48:09 2012
 Charted by: Depth in Feet scaled 1:240

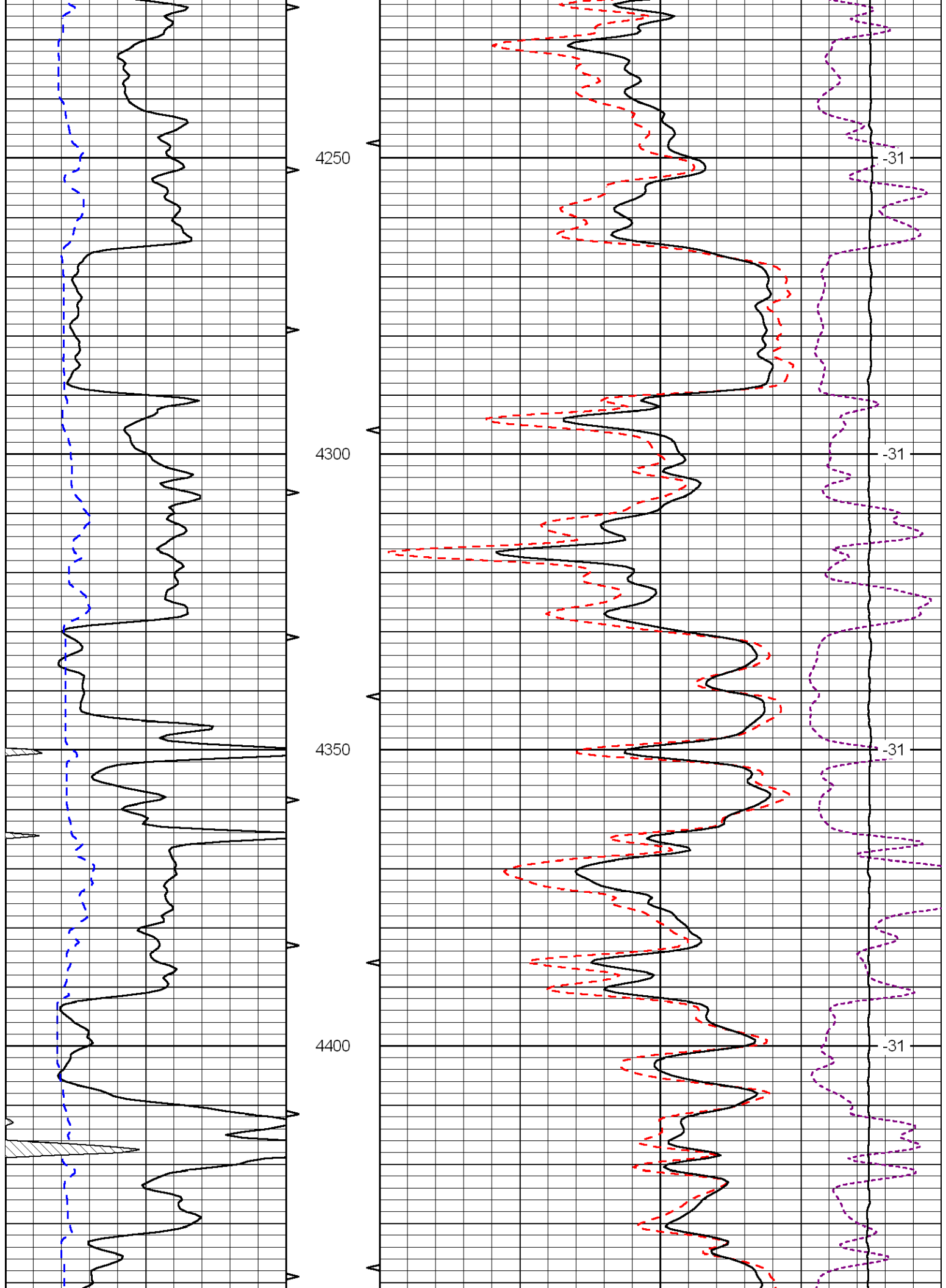
0	Gamma Ray	150
6	Caliper (GAPI)	16

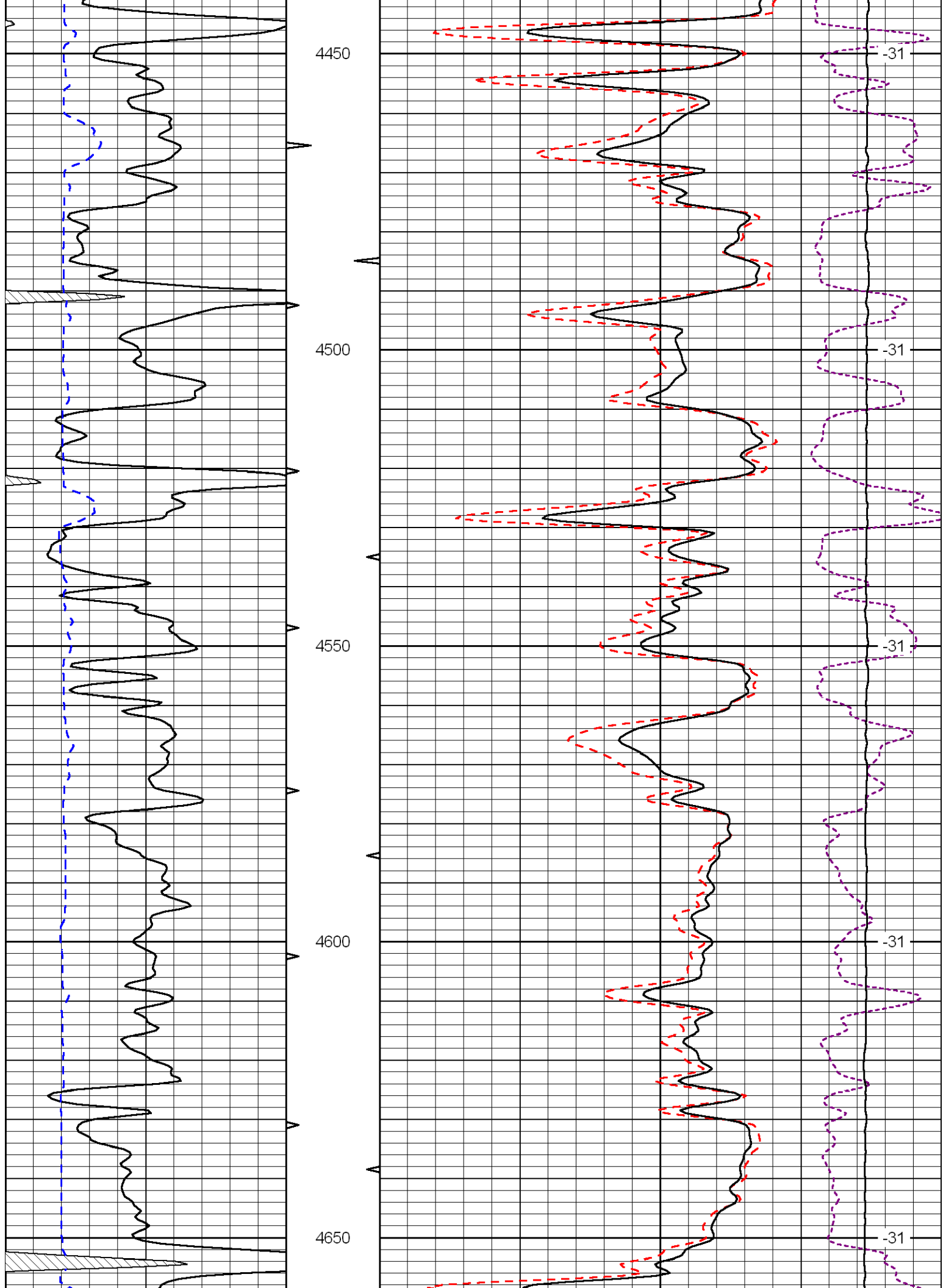
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2	Bulk Density	3
15000	Line Tension	0
-0.25	Correction	0.25
		LSPD

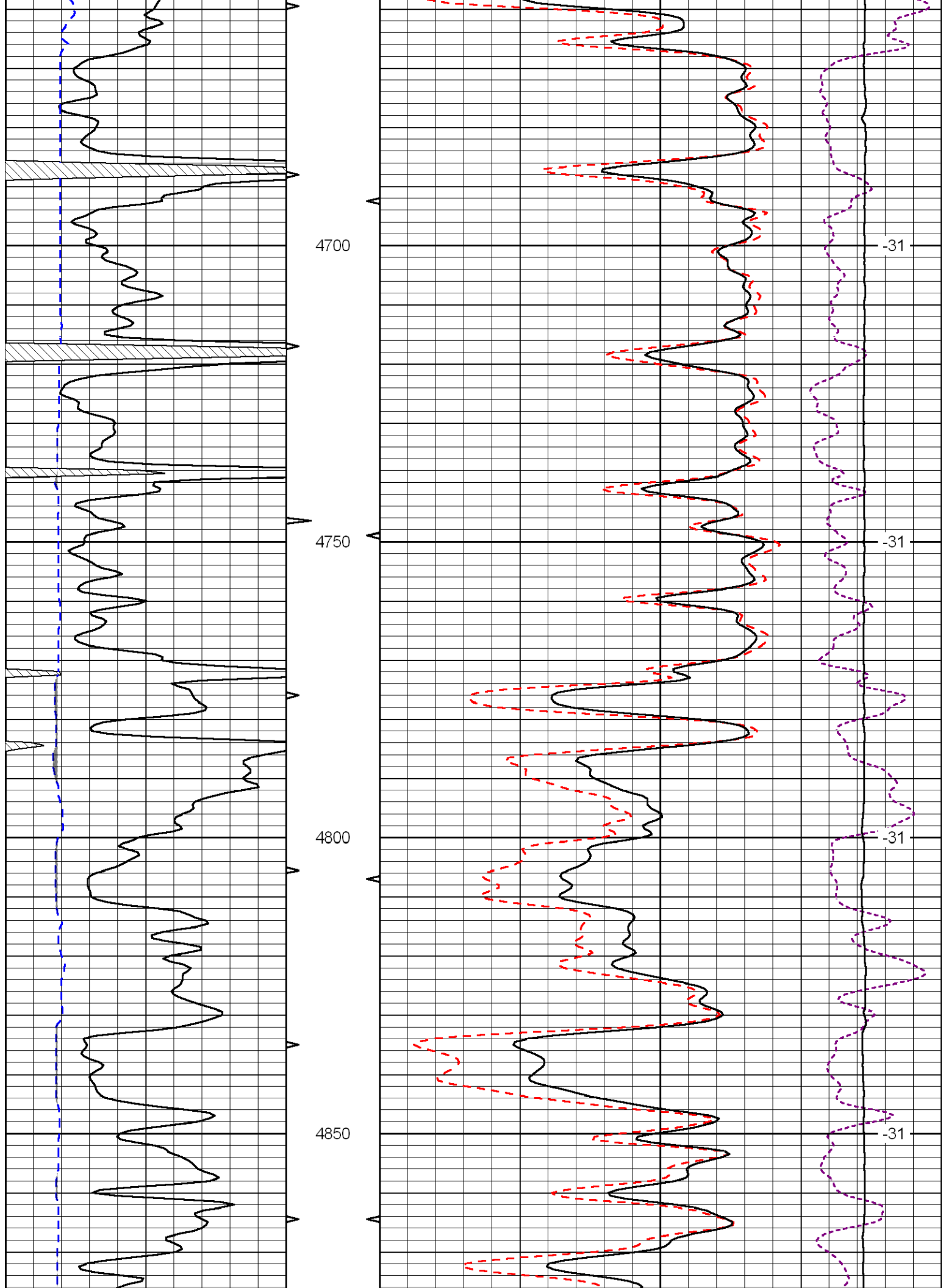


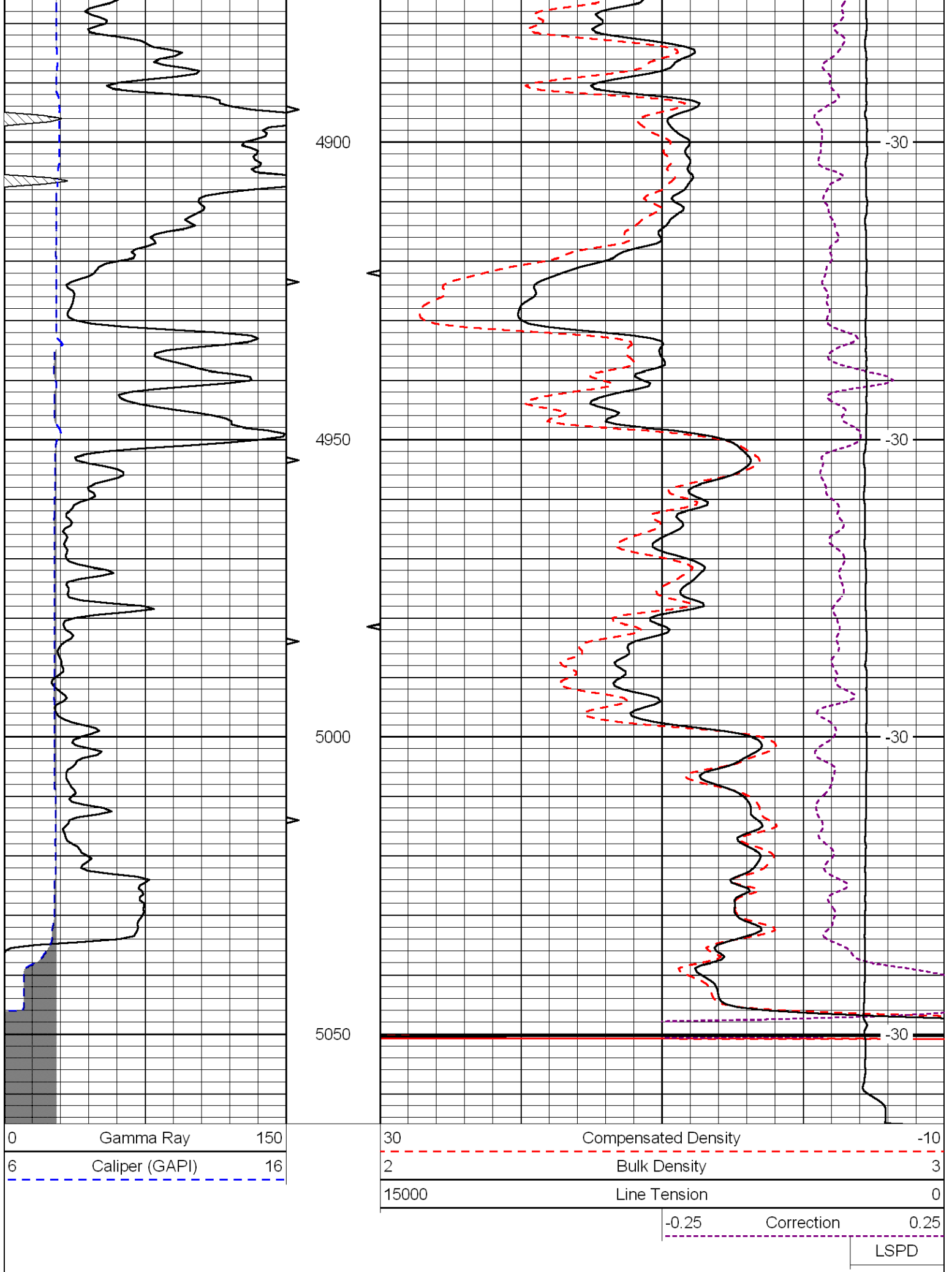








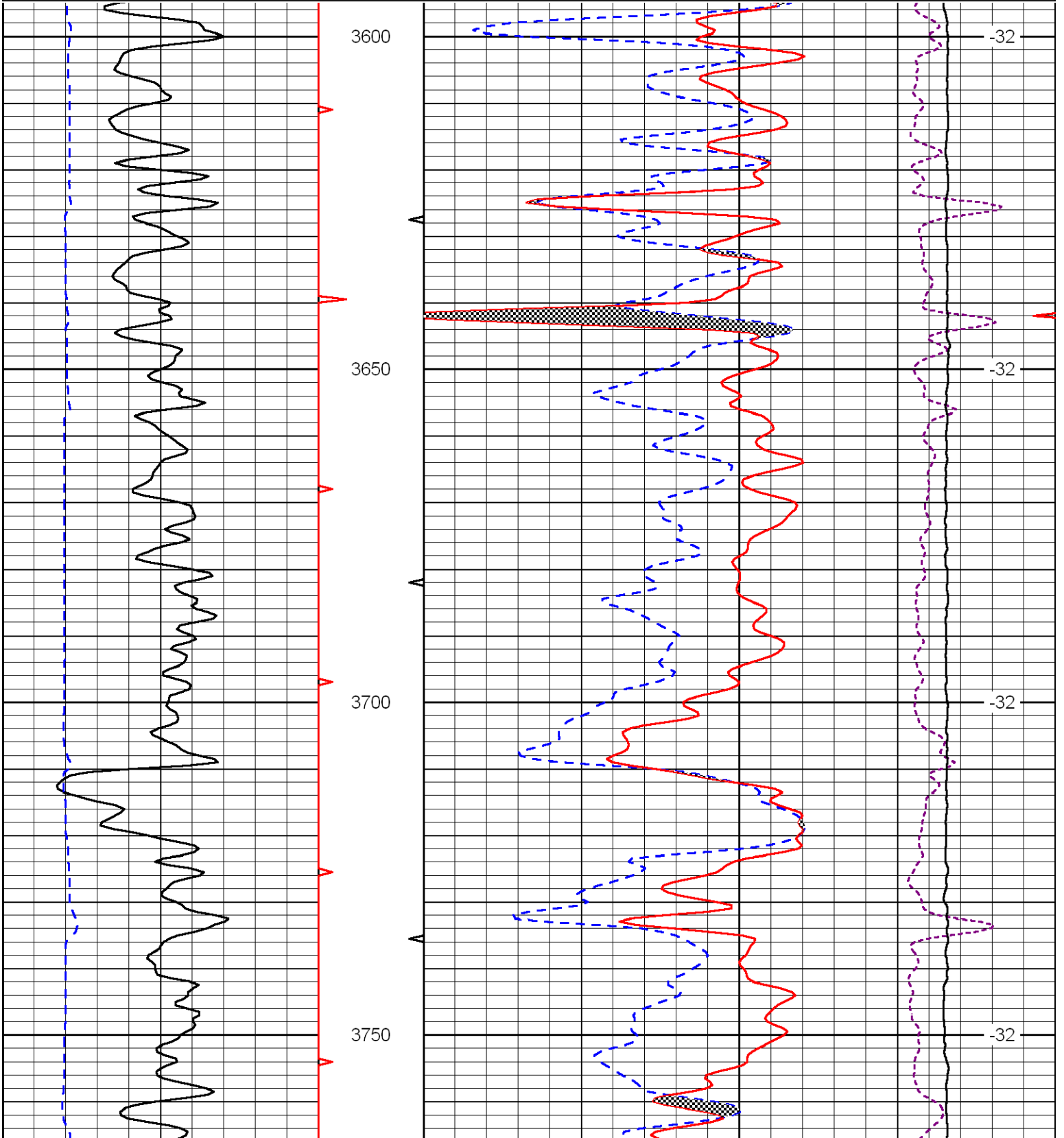


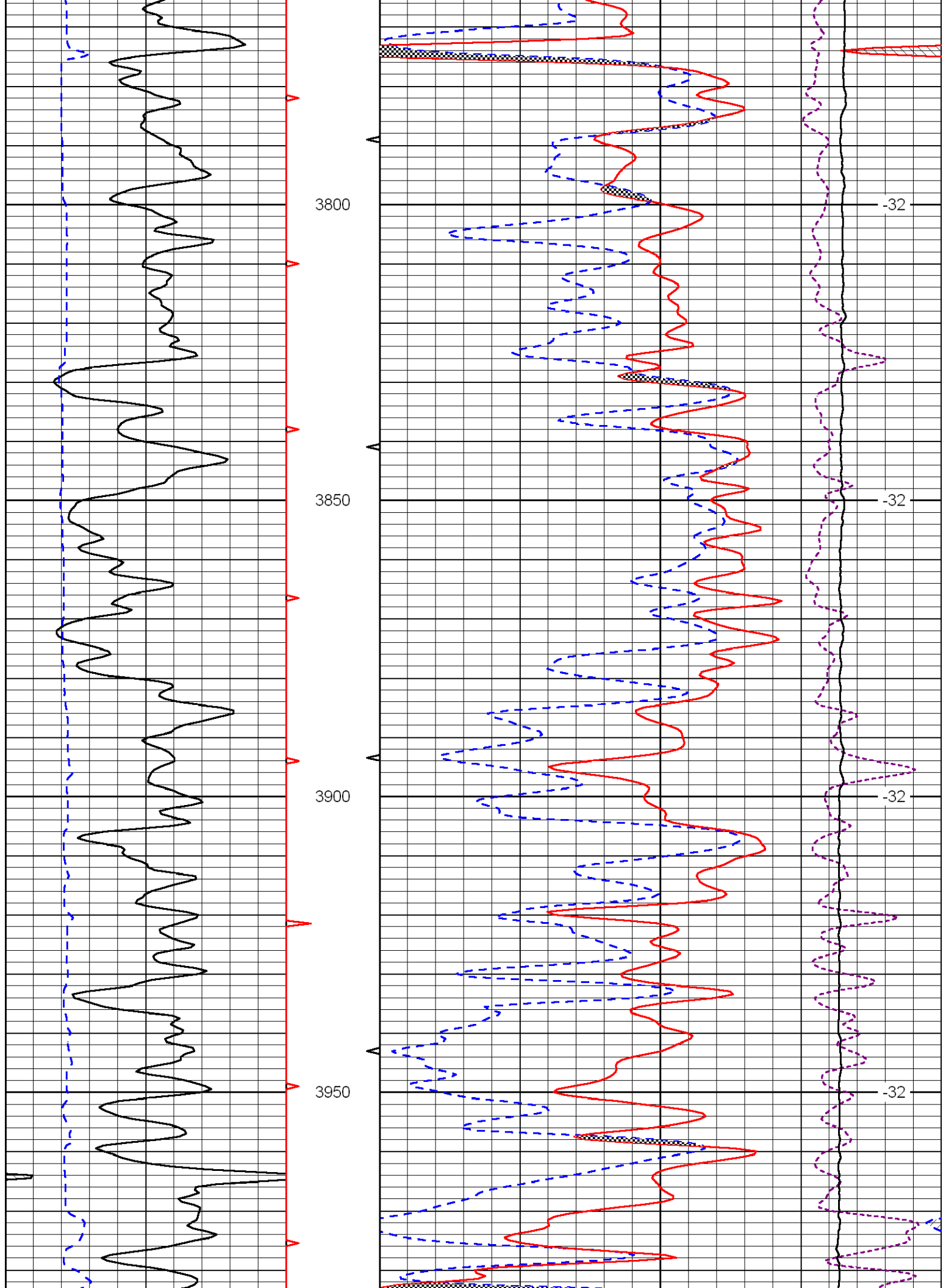


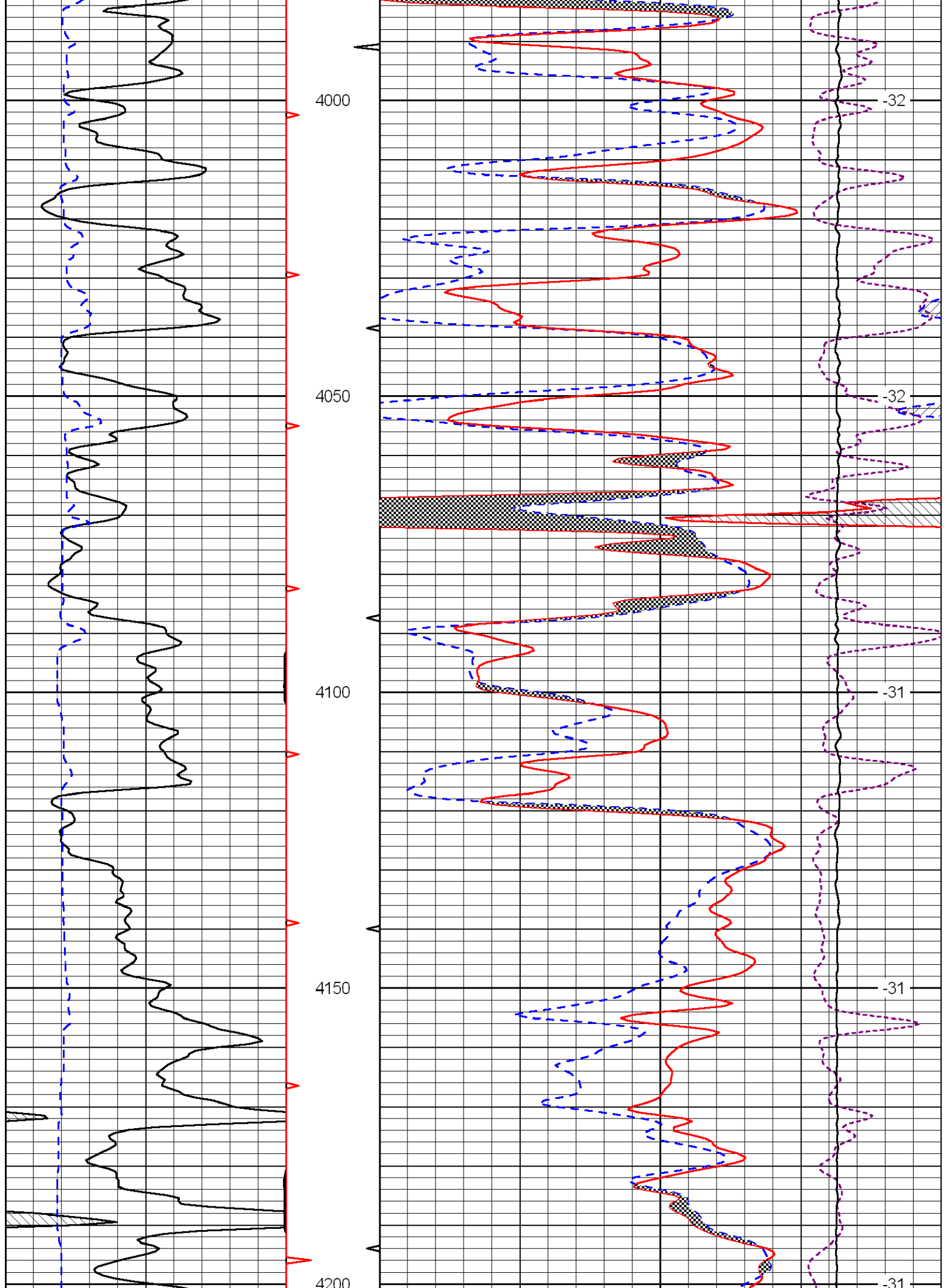
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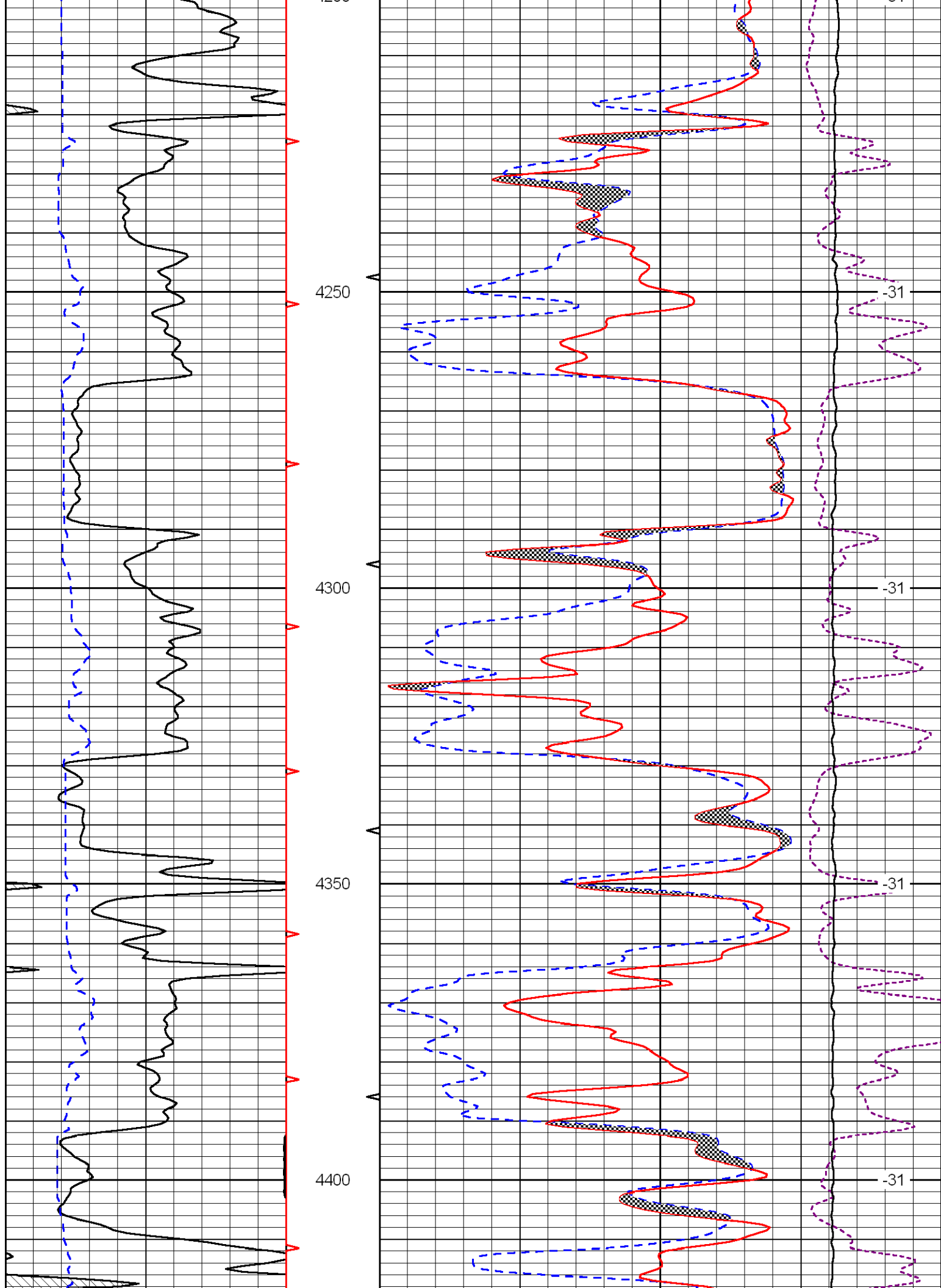
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6	Caliper (GAPI)	16

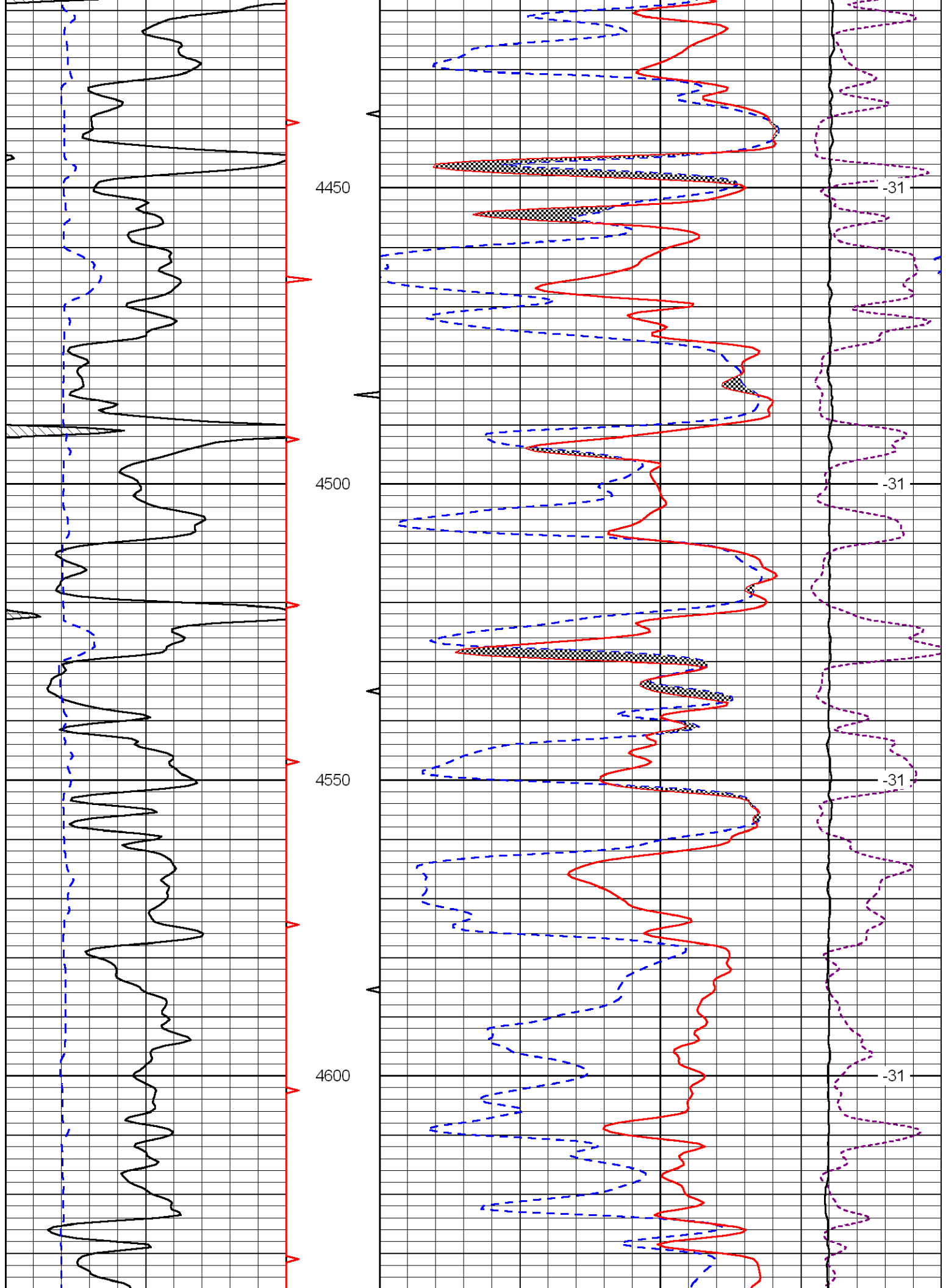
30	CNLS	-10
30	Compensated Density (2.71 ma)	-10
10000	Line Tension	0
-0.25	Correction	0.25
		LSPD

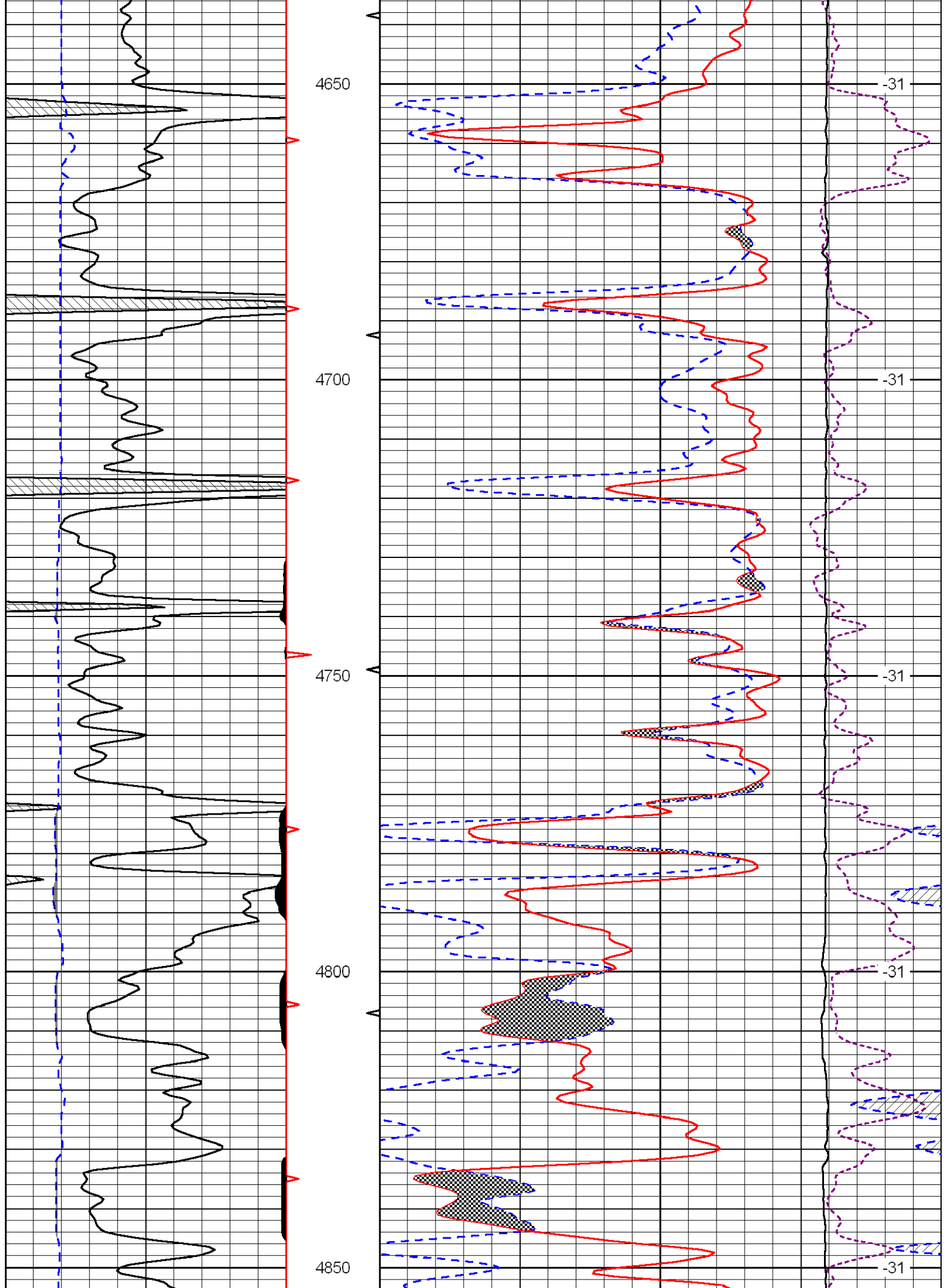


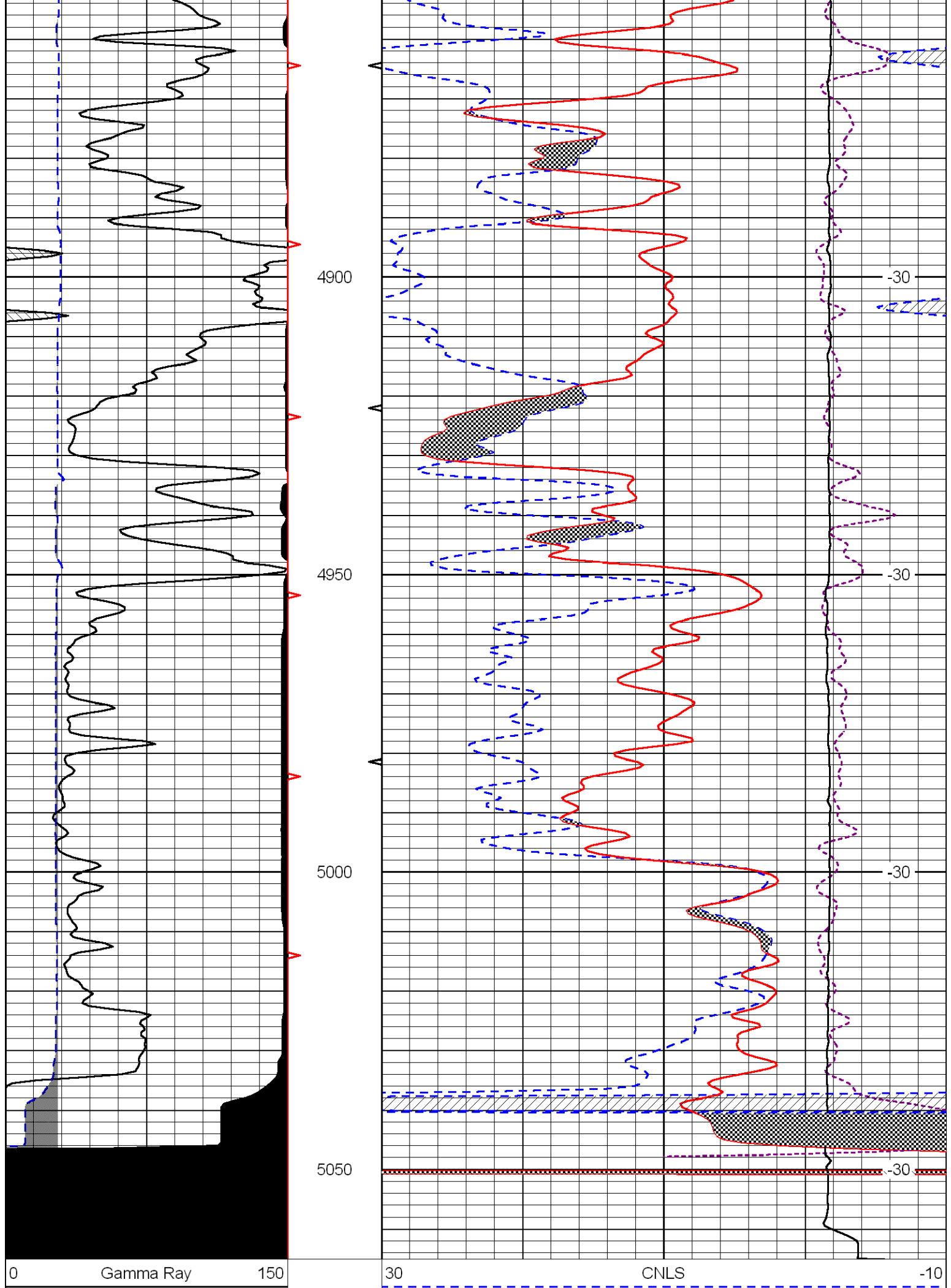












6 Caliper (GAPI) 16

30 Compensated Density (2.71 ma) -10

10000 Line Tension 0

-0.25 Correction 0.25

LSPD