



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-007-24099-00-00		
Company	N-10 Exploration, LLC		
Well	Medicine River Ranch "B" # 13		
Field	Landis		
County	Barber		
State	Kansas		
Location	1650' FSL & 330' FWL		
Other Services	DIL		
Sec:	15	Twp:	34 S
Rge:	11 W		

Permanent Datum	Ground Level	Elevation	1331
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	11-04-2013		

Run Number	One
Type Log	CNL / CDL
Depth Driller	5048
Depth Logger	5048
Bottom Logged Interval	5027
Top Logged Interval	3400
Type Fluid In Hole	Chemical
Salinity, PPM CL	3000
Density	9.3
Level	Full
Max. Rec. Temp. F	128
Operating Rig Time	3 1/2 Hours
Equipment -- Location	91 Hays
Recorded By	Y. Ruiz
Witnessed By	Tim Pierce

Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	265	8.625	23#	00	265
Two	7.875	265	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

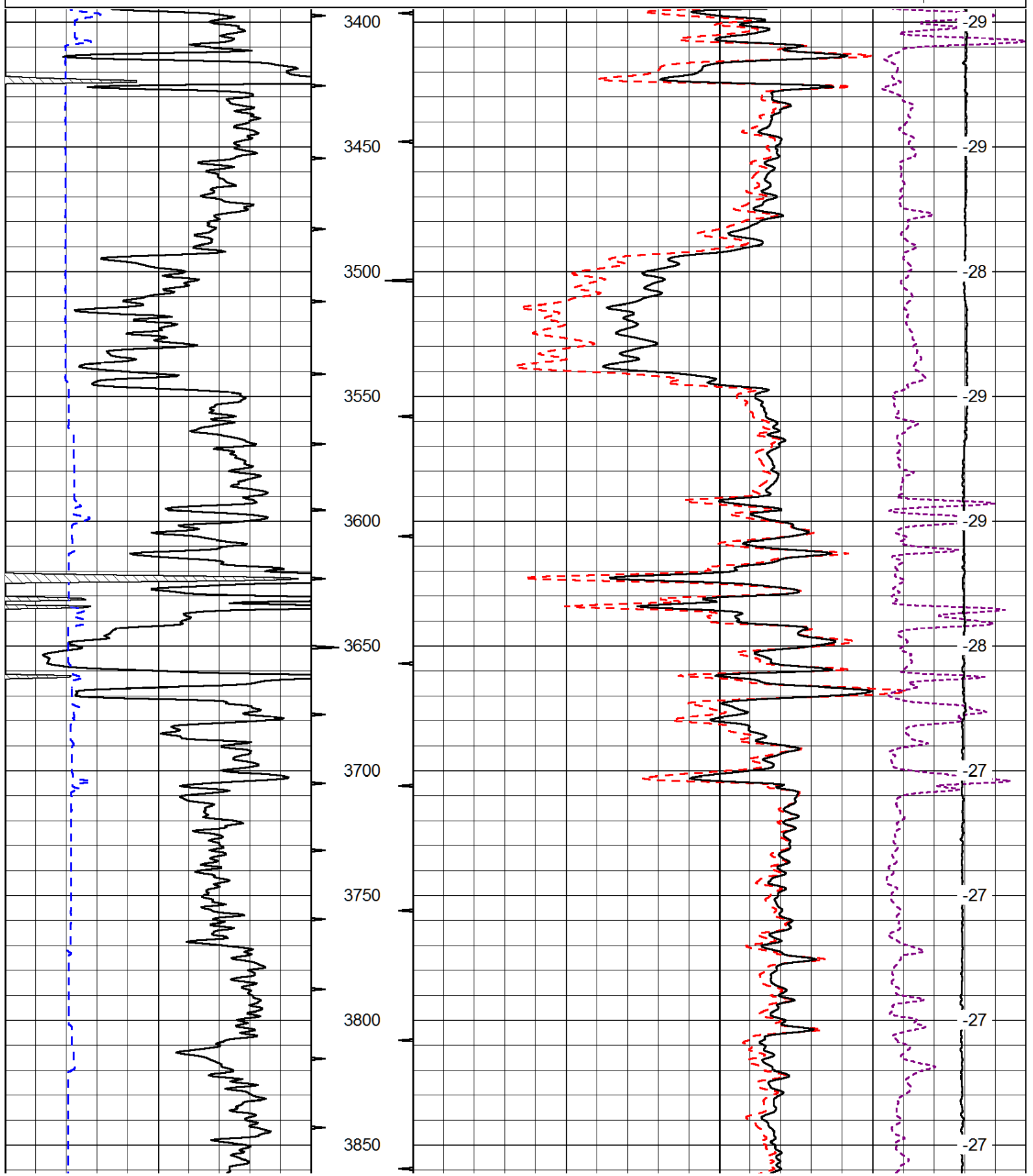
Thank you for using Log-Tech, Inc.
(785) 625-3858

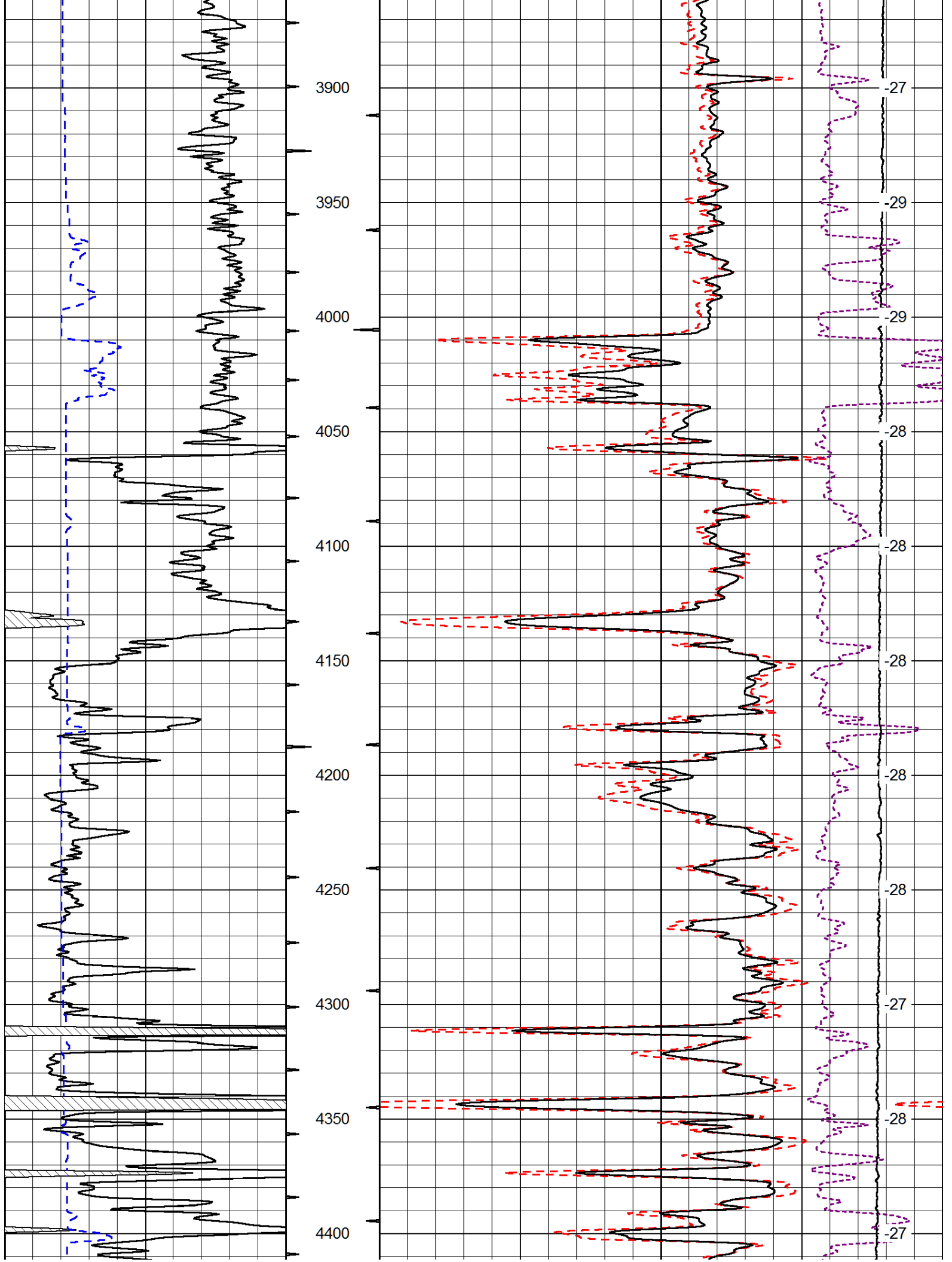
Medicine Lodge,
South to Scott Canyon Rd, 3 East, 1/2 South, East past the river,
South into

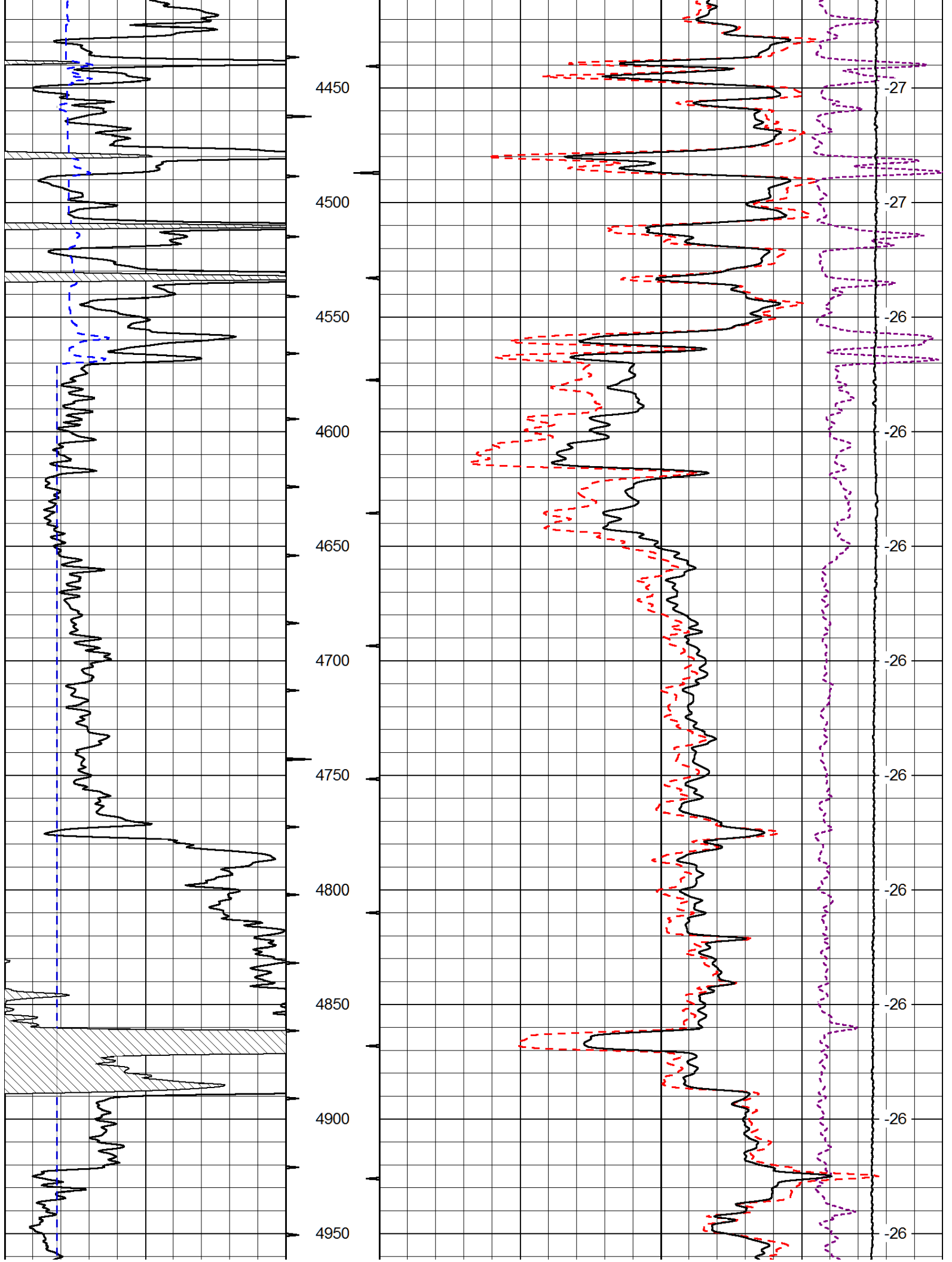
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 Charted by: Depth in Feet scaled 1:600

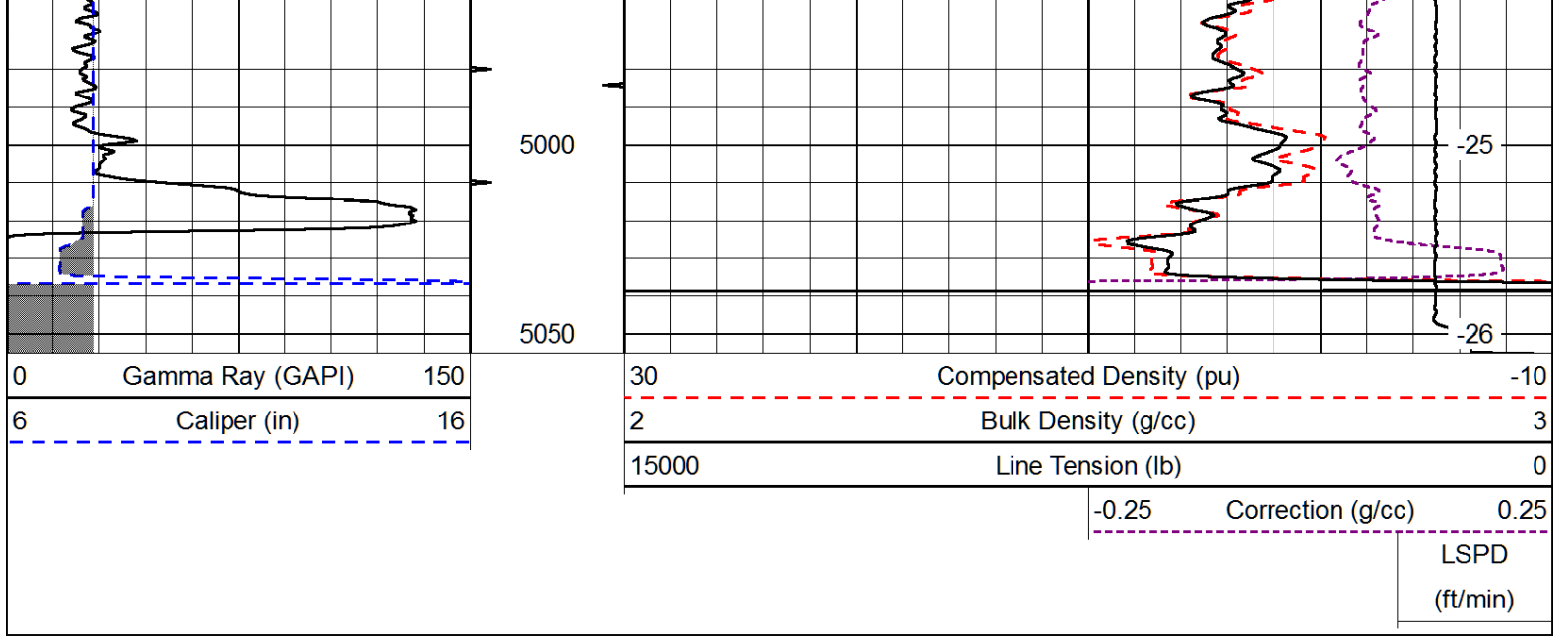
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25
		LSPD (ft/min)

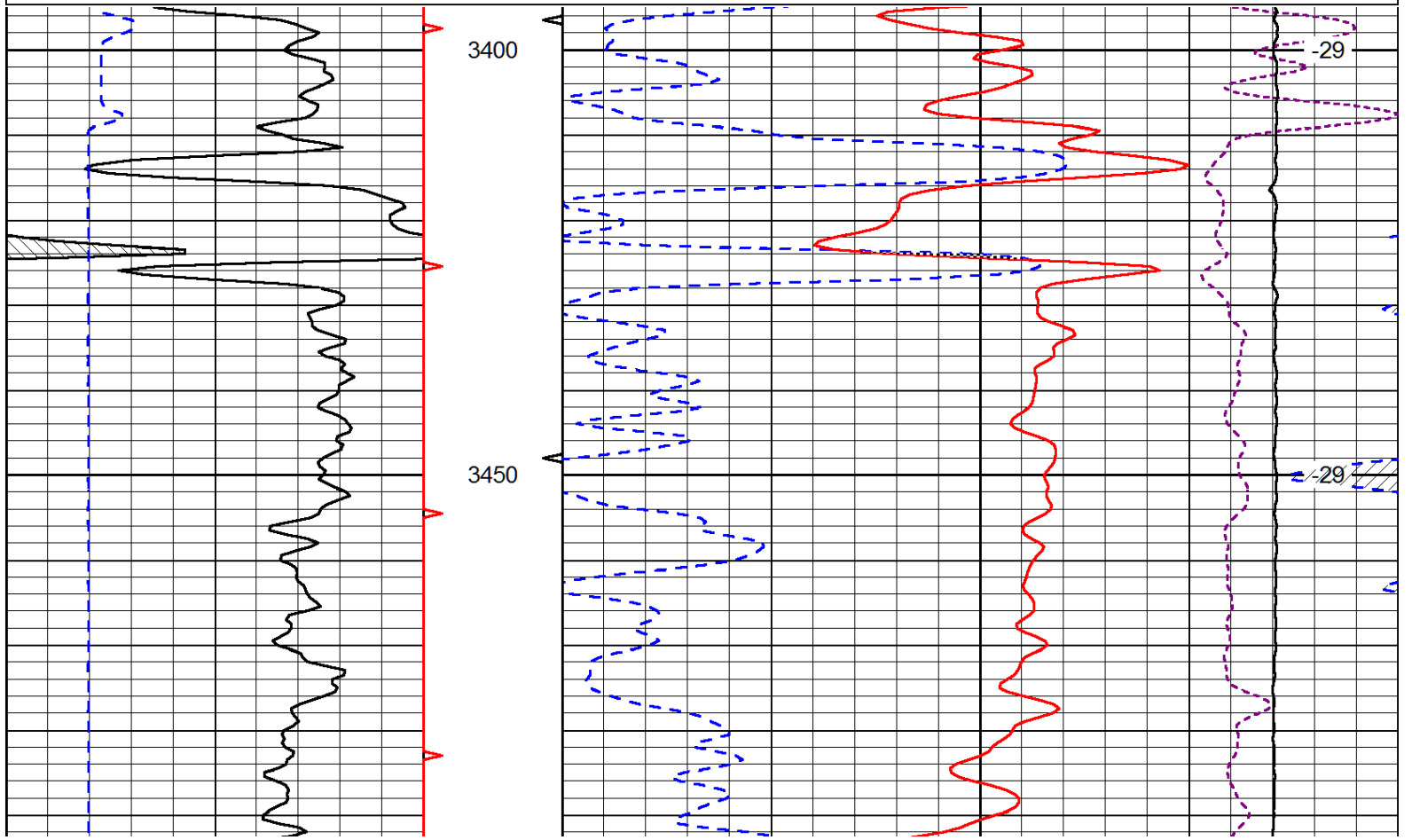
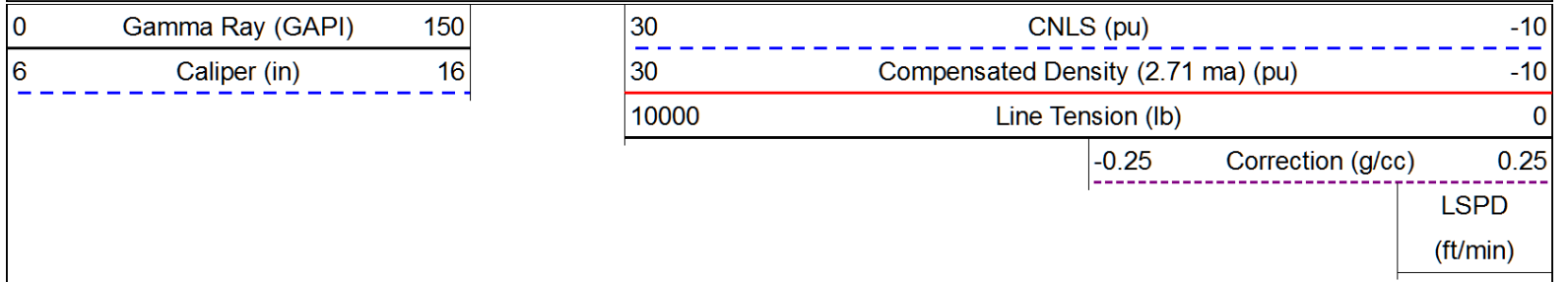


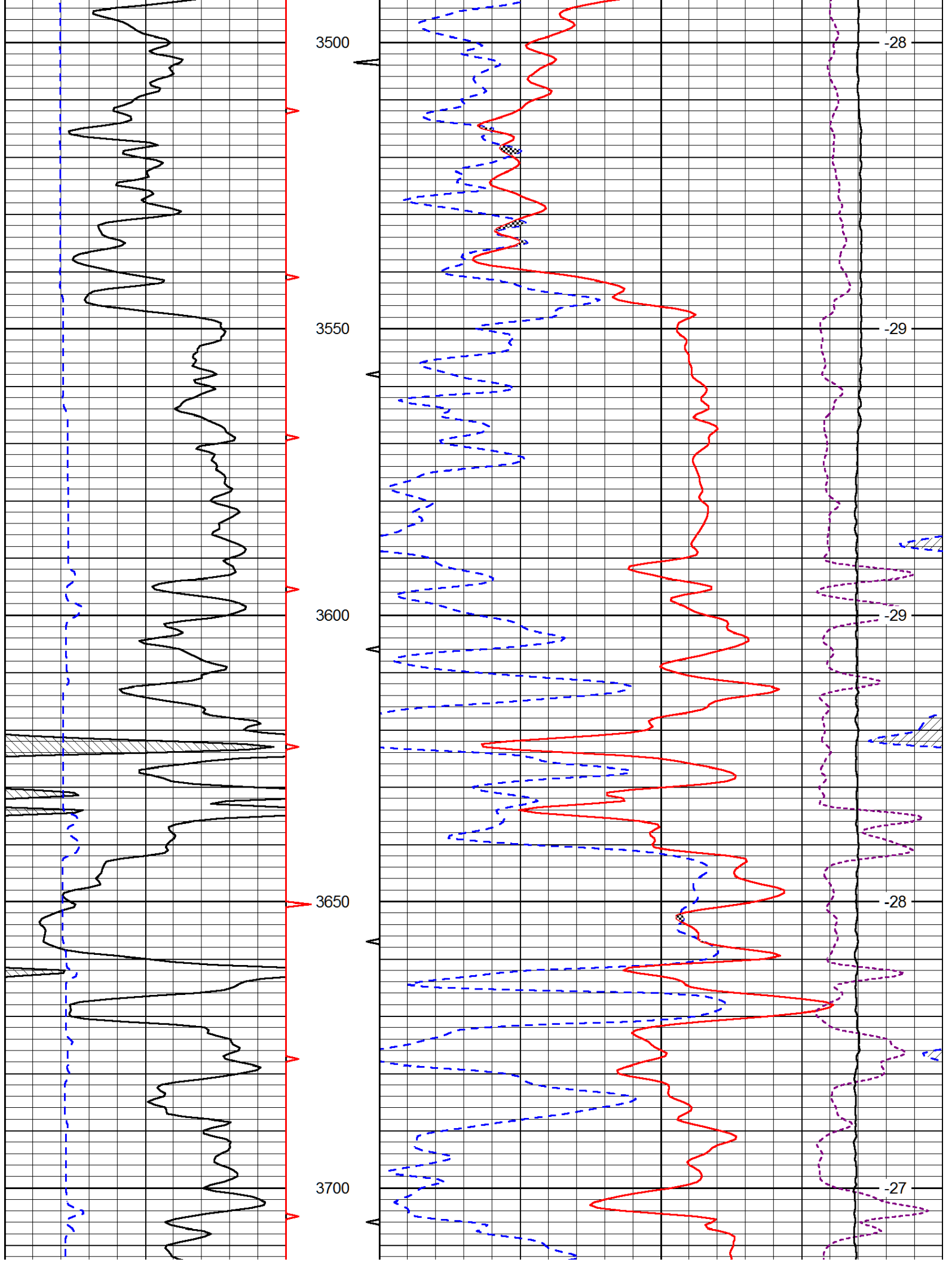


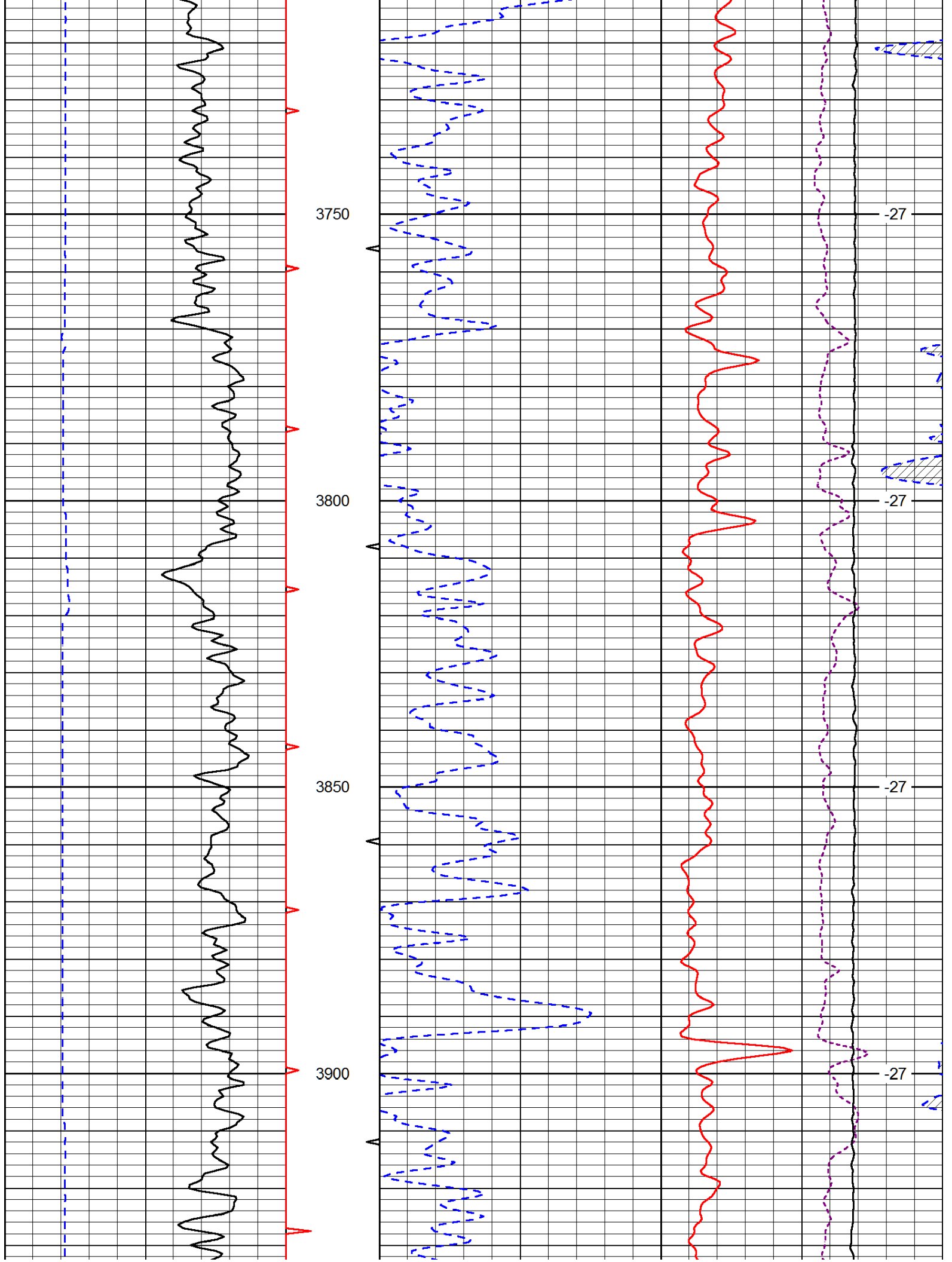


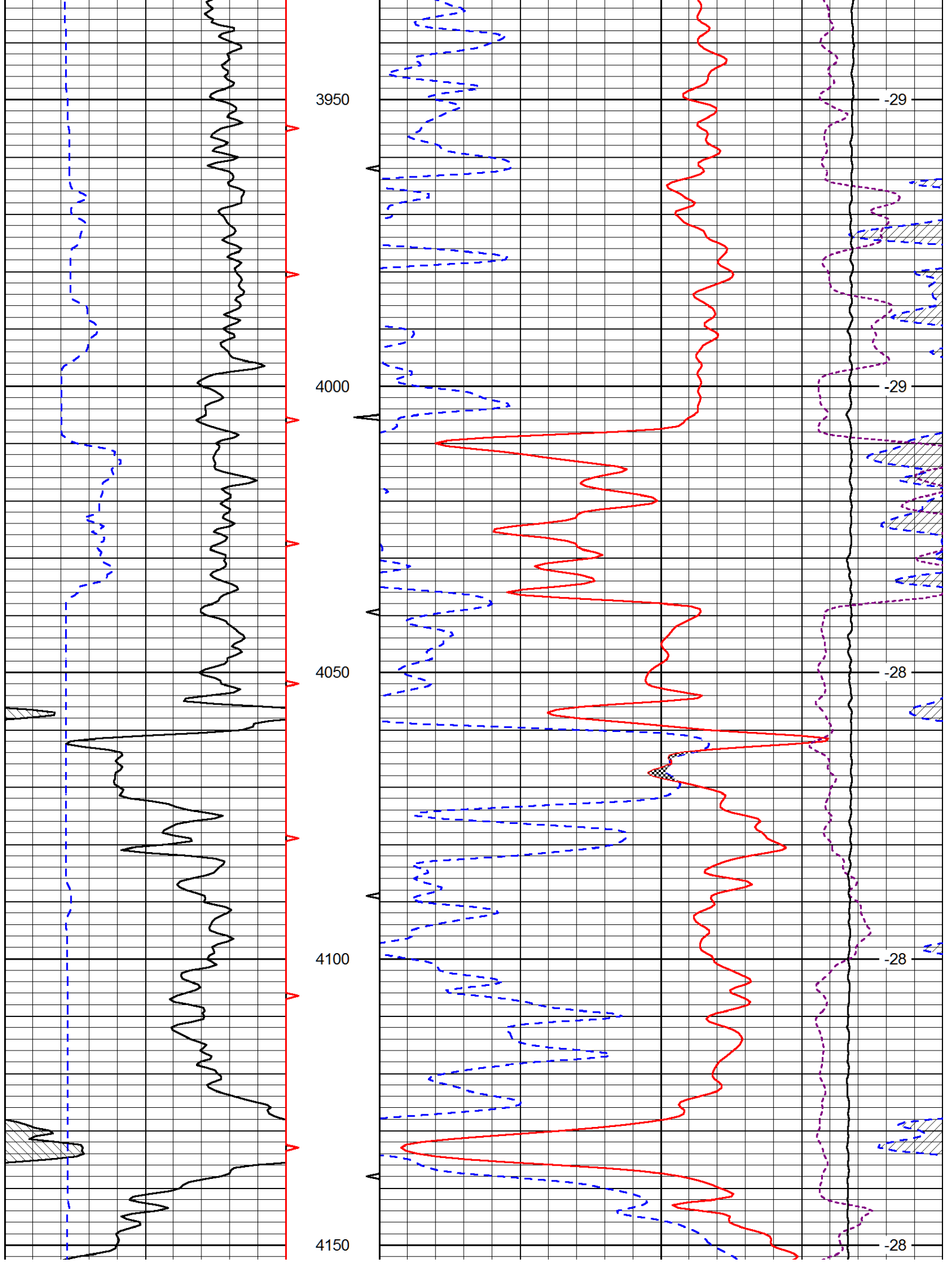


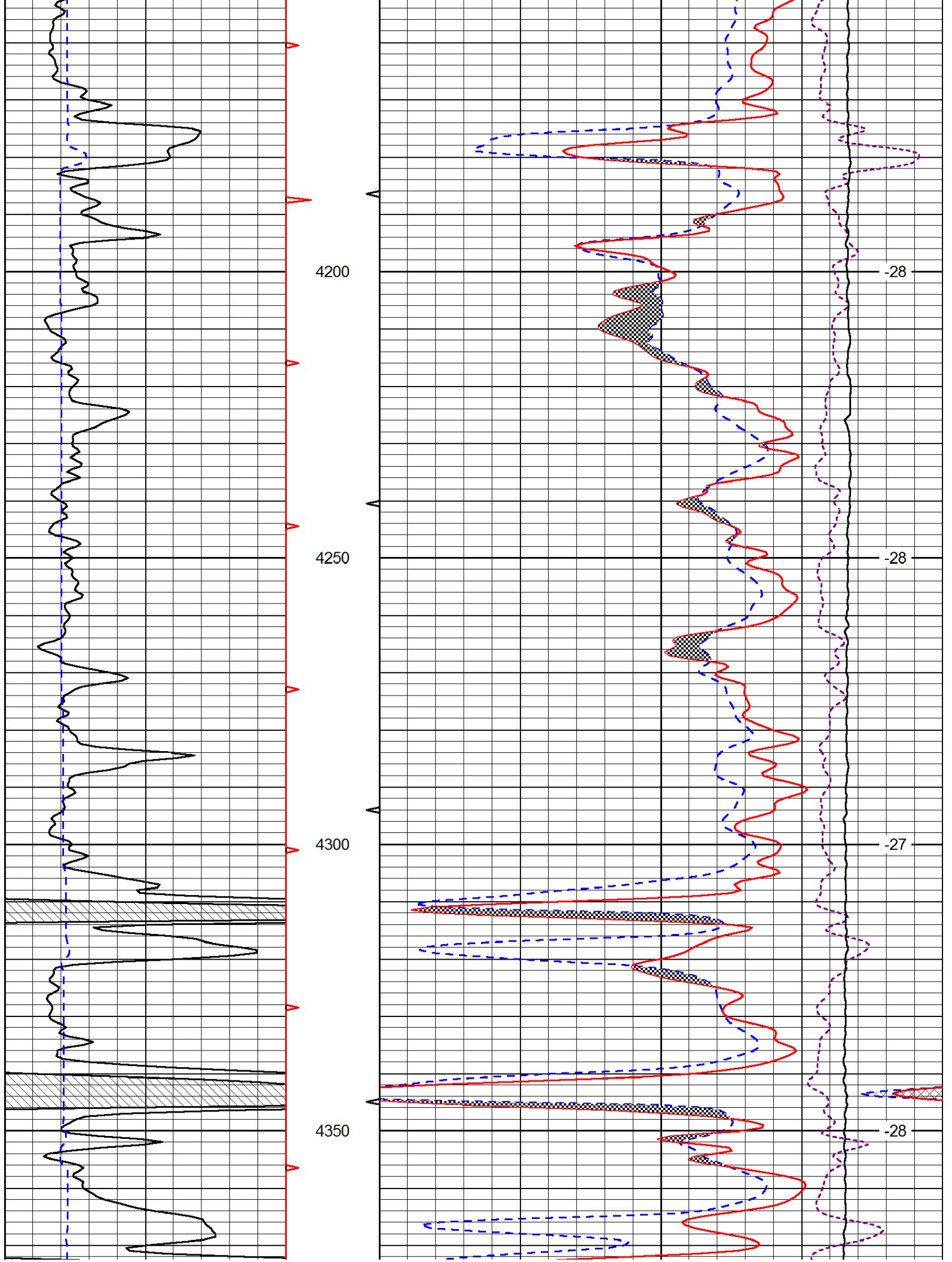
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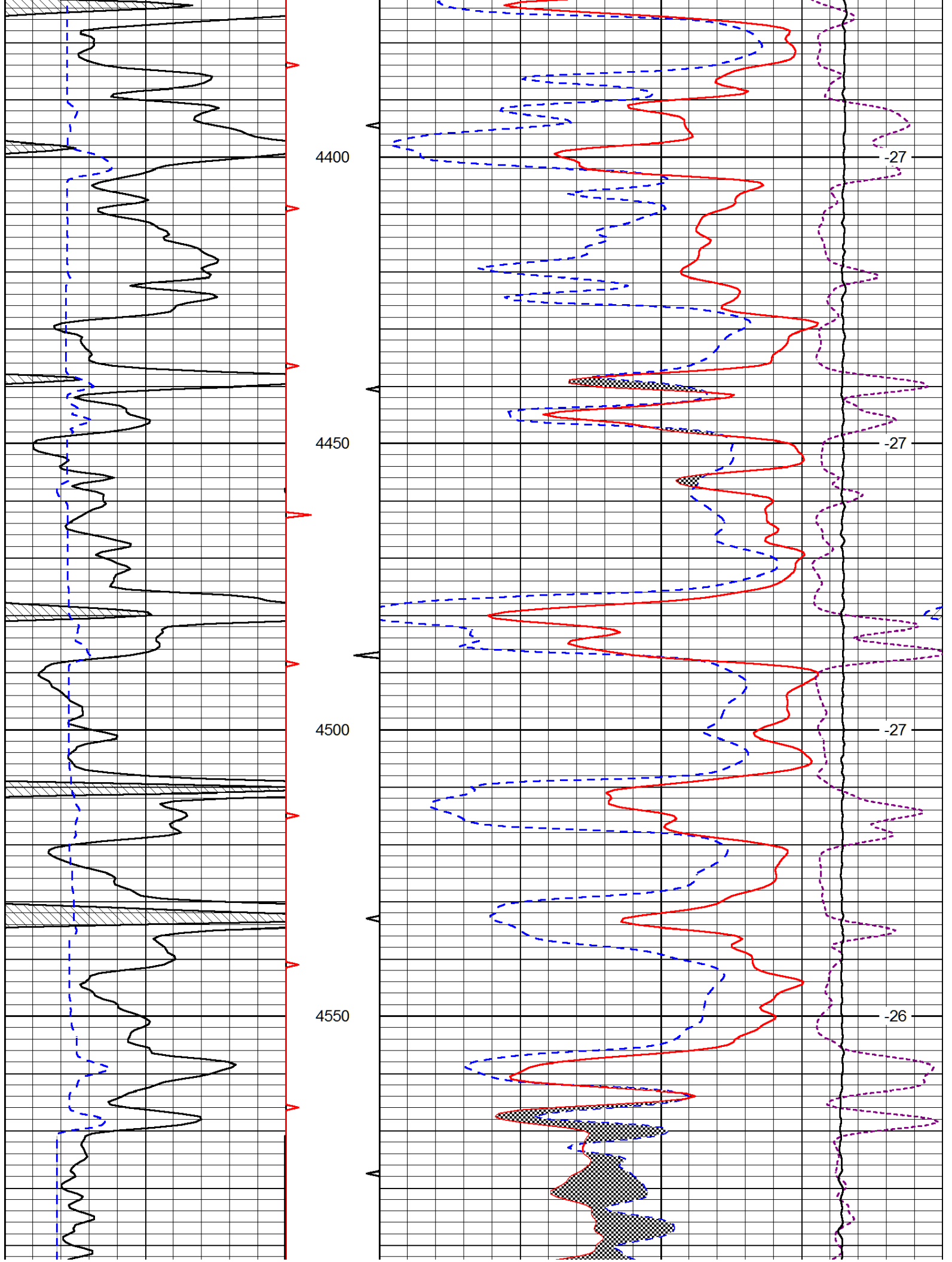


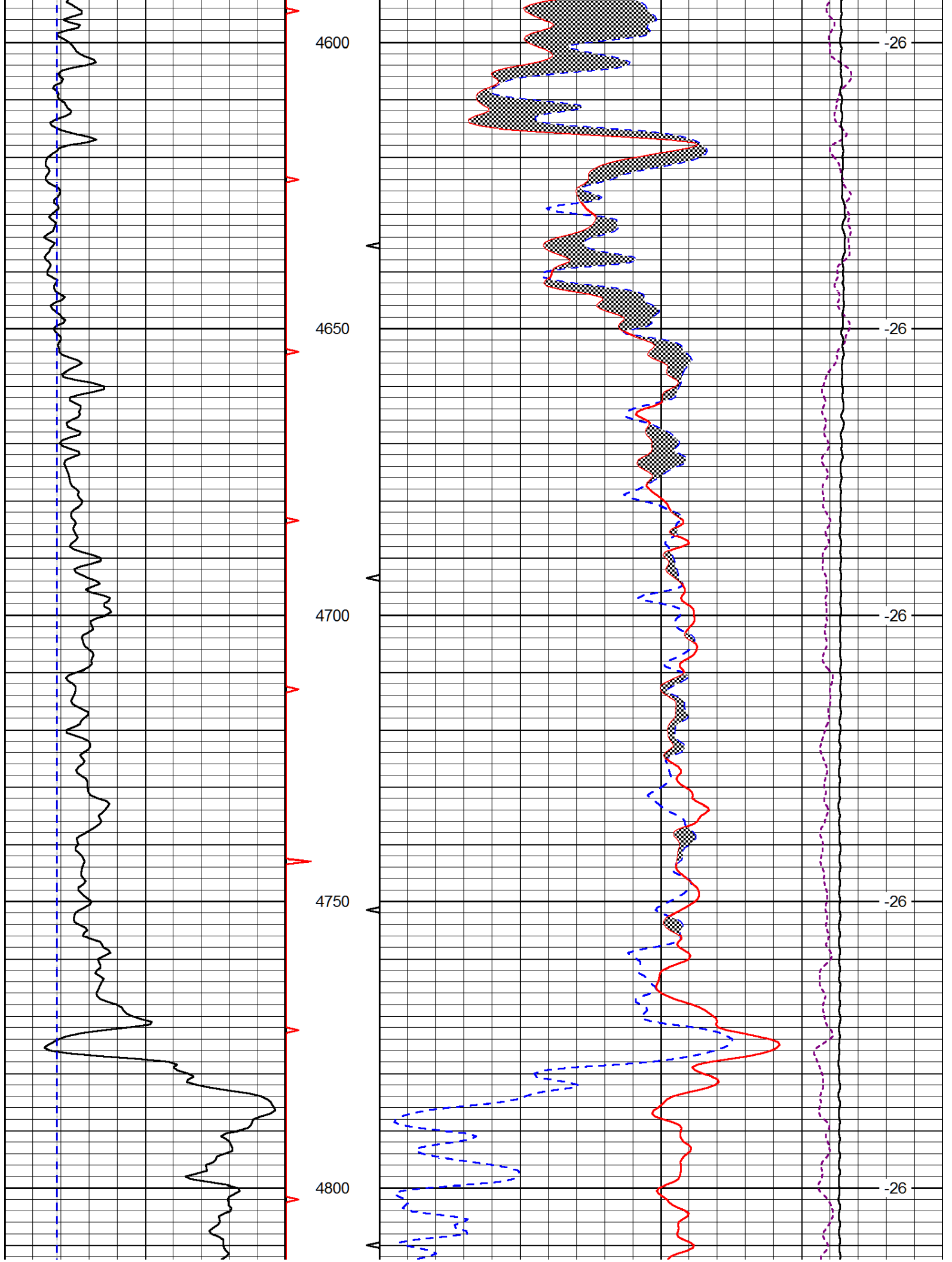


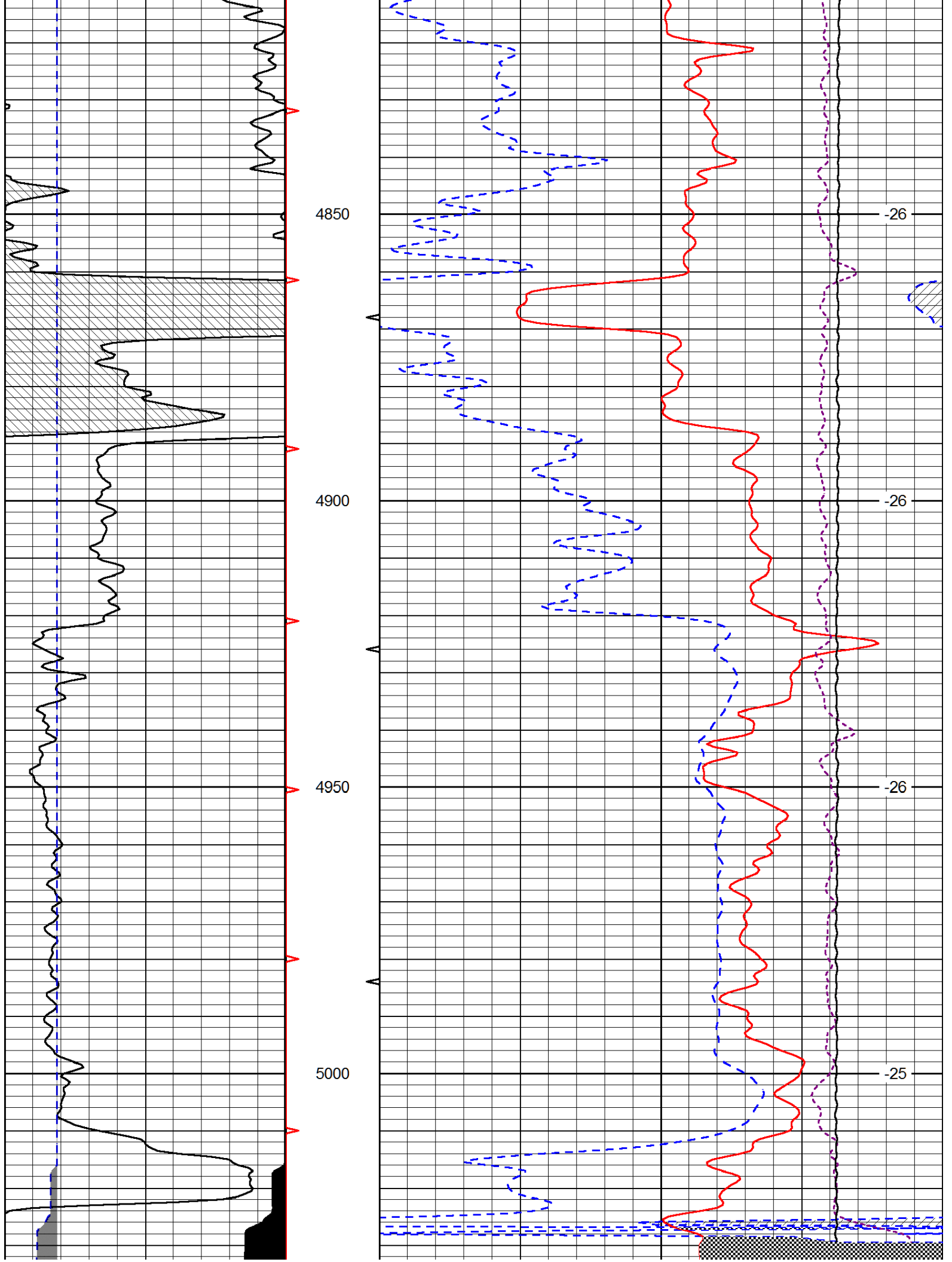


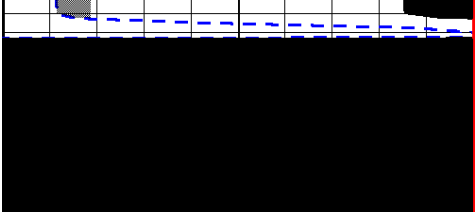




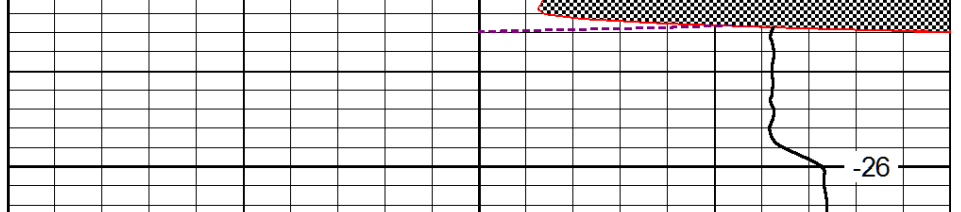








5050



0	Gamma Ray (GAPI)	150
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6	Caliper (in)	16
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30	CNLS (pu)	-10
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30	Compensated Density (2.71 ma) (pu)	-10
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10000	Line Tension (lb)	0
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-0.25	Correction (g/cc)	0.25
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LSPD (ft/min)
