



Pioneer Energy Services

## Dual Compensated Porosity Log

**Company** Forestar Petroleum Corporation  
**Well** K. Clark No. 1-15  
**Field** Cleve  
**County** Lane  
**Lane** State Kansas  
**Location** SW NE SW NW  
 1700' FNL & 850' FWL  
**Sec:** 15 **Twp:** 19 S **Rge:** 29 W  
**Other Services** DIL/MEL  
**Elevation** 2827  
**Permament Datum** Ground Level  
**Log Measured From** Kelly Bushing  
**Drilling Measured From** Kelly Bushing  
**Elevation** 2838  
**K.B. D.F. G.L.** 2827

API No. 15-101-22,404-00-00

Date	10/25/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4740	
Depth Logger	4740	
Bottom Logged Interval	4719	
Top Logged Interval	3500	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	2000	
Density	9.35	
Level	Full	
Max. Rec. Temp. F	123	
Operating Rig Time	4 Hours	
Equipment -- Location	15 Hays	
Recorded By	D.Kerr	
Witnessed By	Charlie Sturdavant	

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt. 23#	From	To
One	12.25	00	268	8.625	00	268
Two	7.875	268	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.

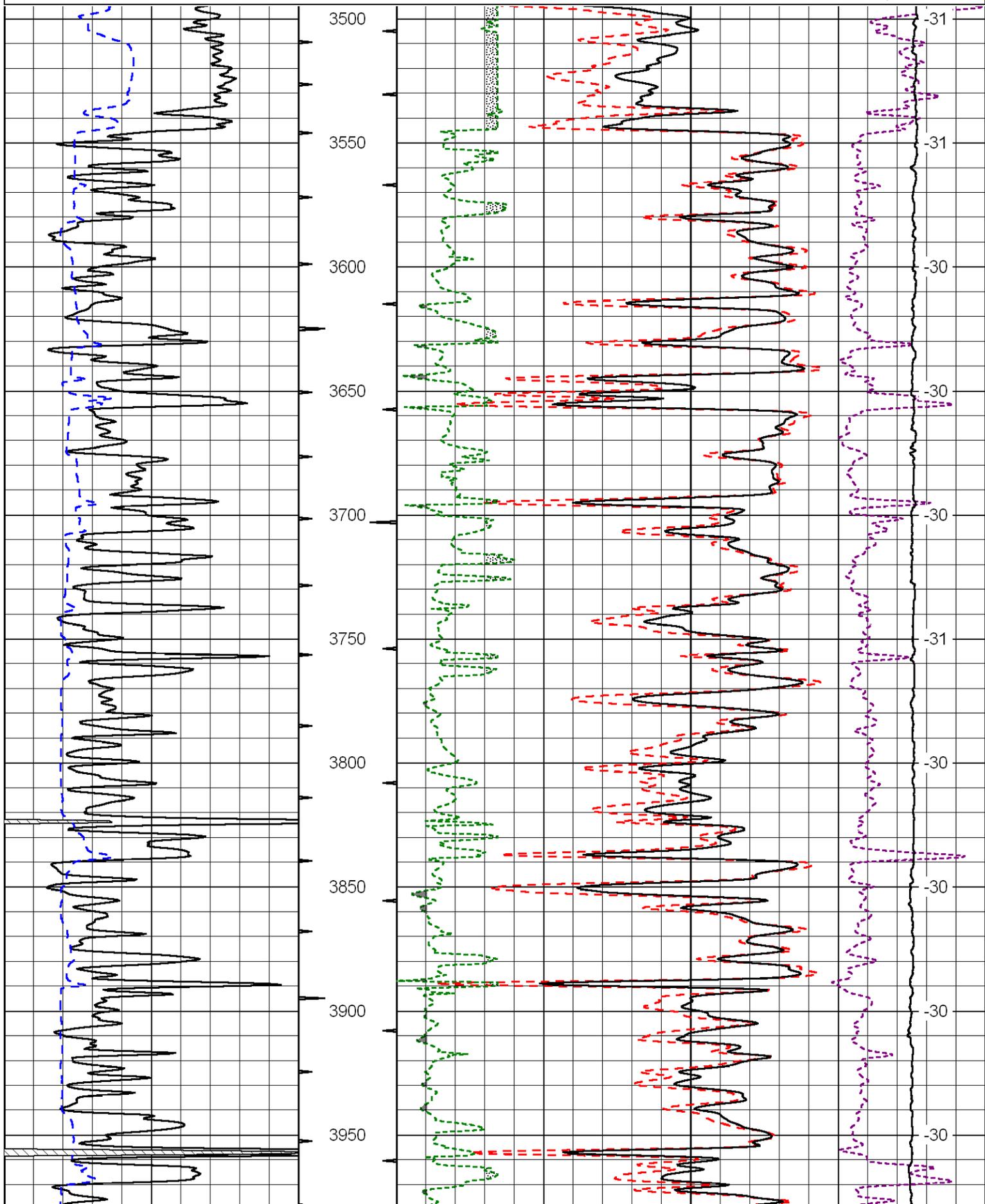
Comments

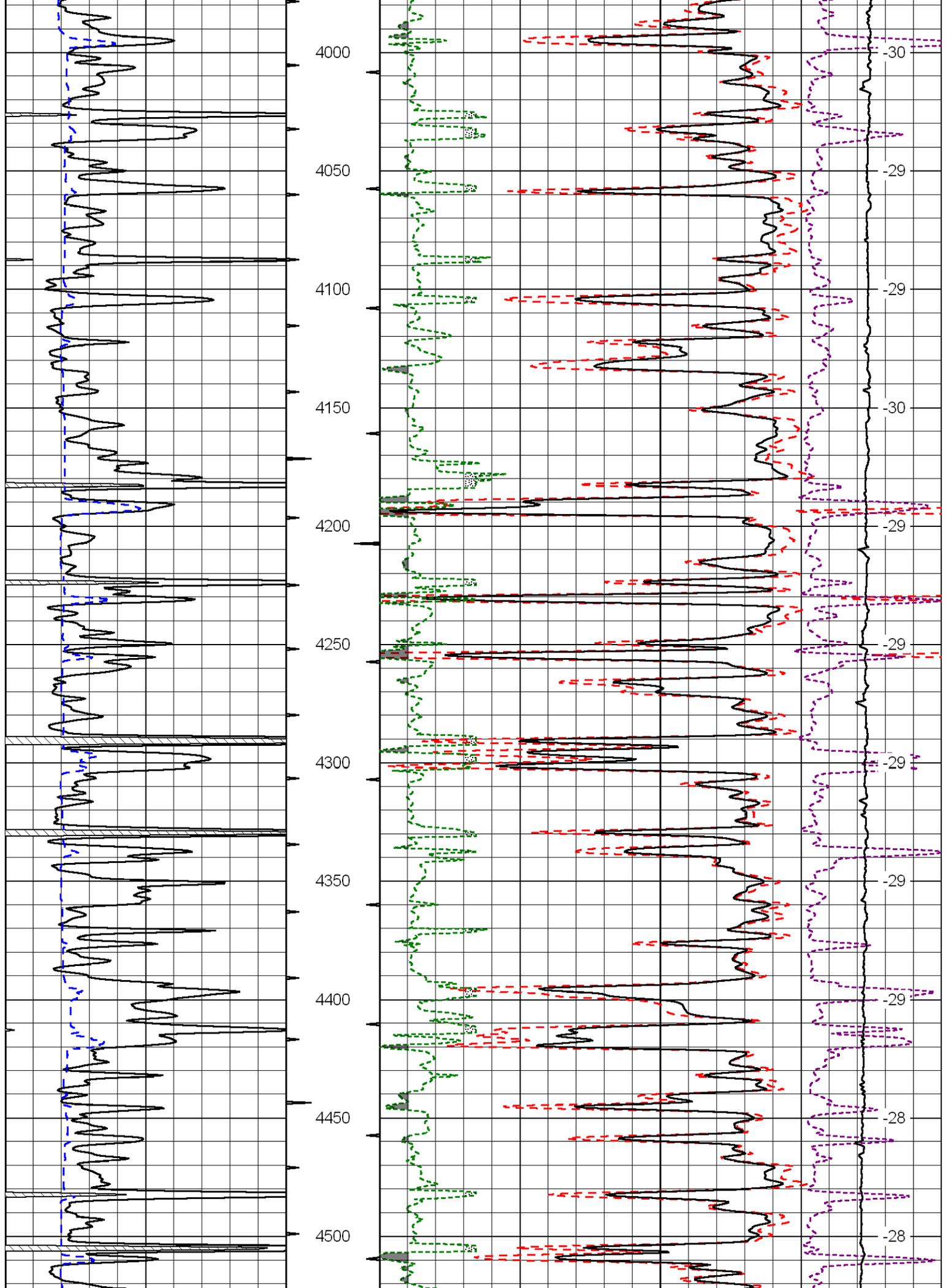
Thank you for using Log-Tech, Inc.  
 (785) 625-3858  
  
 Dighton KS, 6 South,  
 2 West to Ike RD, 1/2 North, East Into

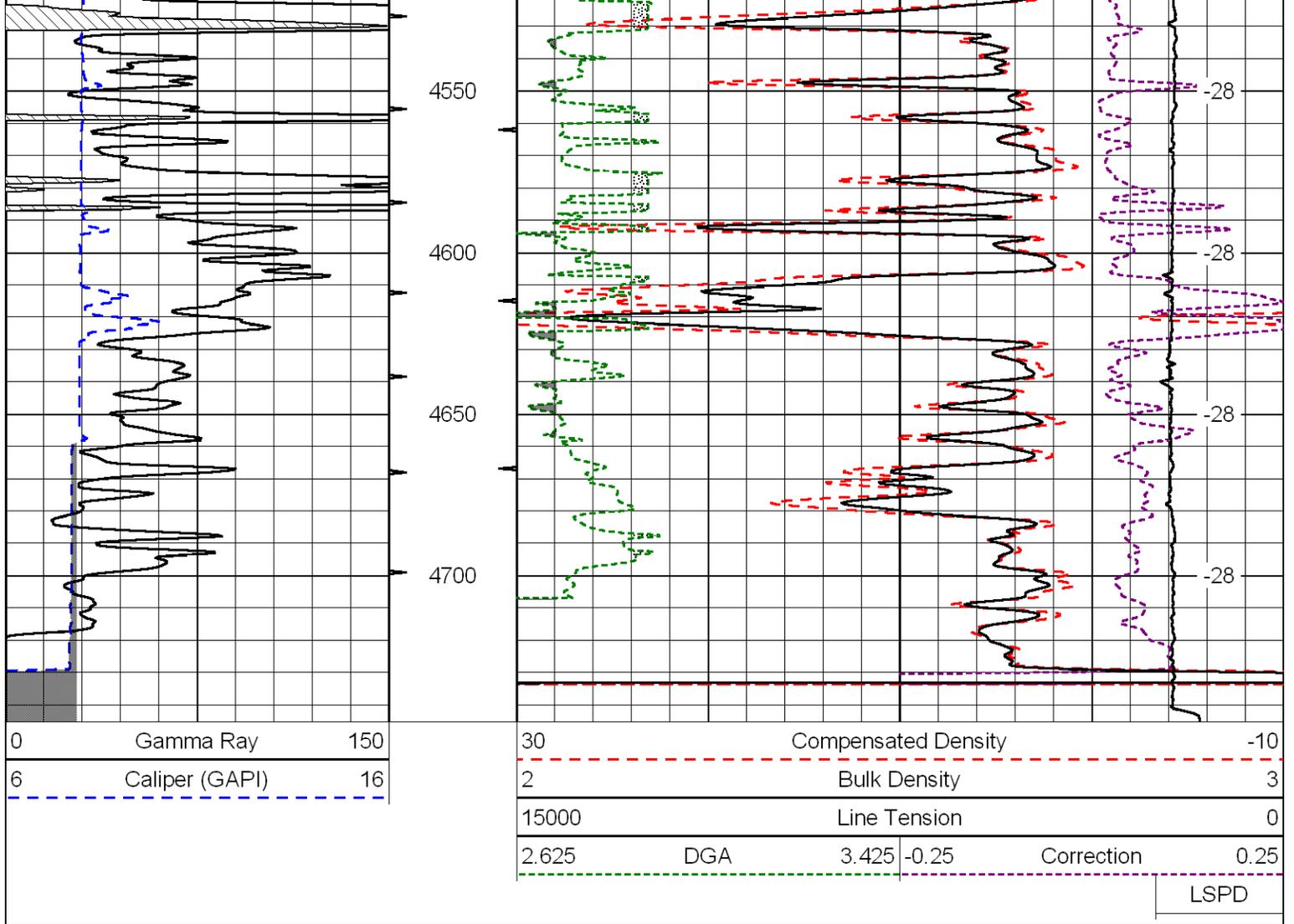
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 Dataset Pathname: DIL/forestk  
 Presentation Format: cdl  
 Dataset Creation: Thu Oct 25 14:12:04 2012  
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

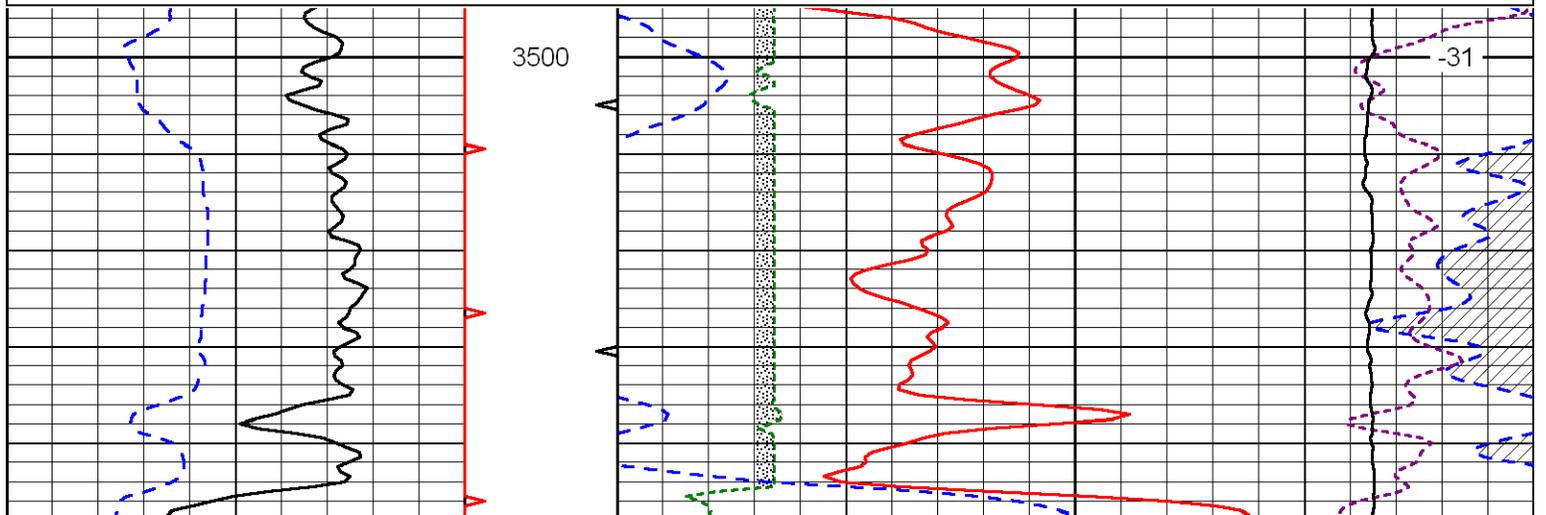
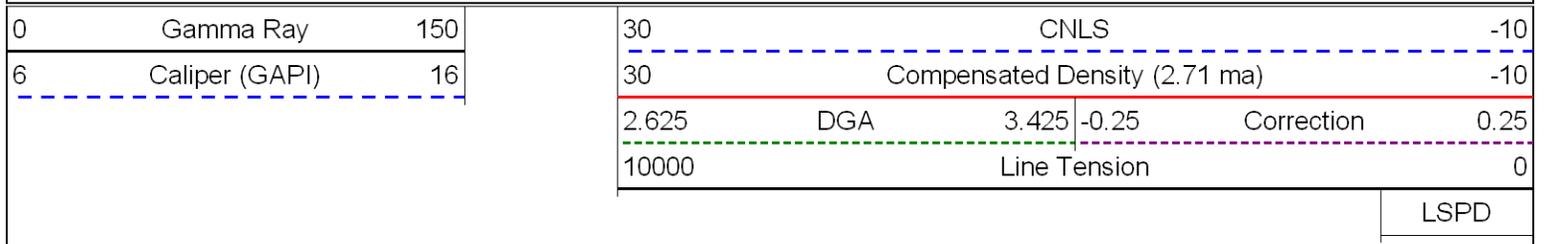
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

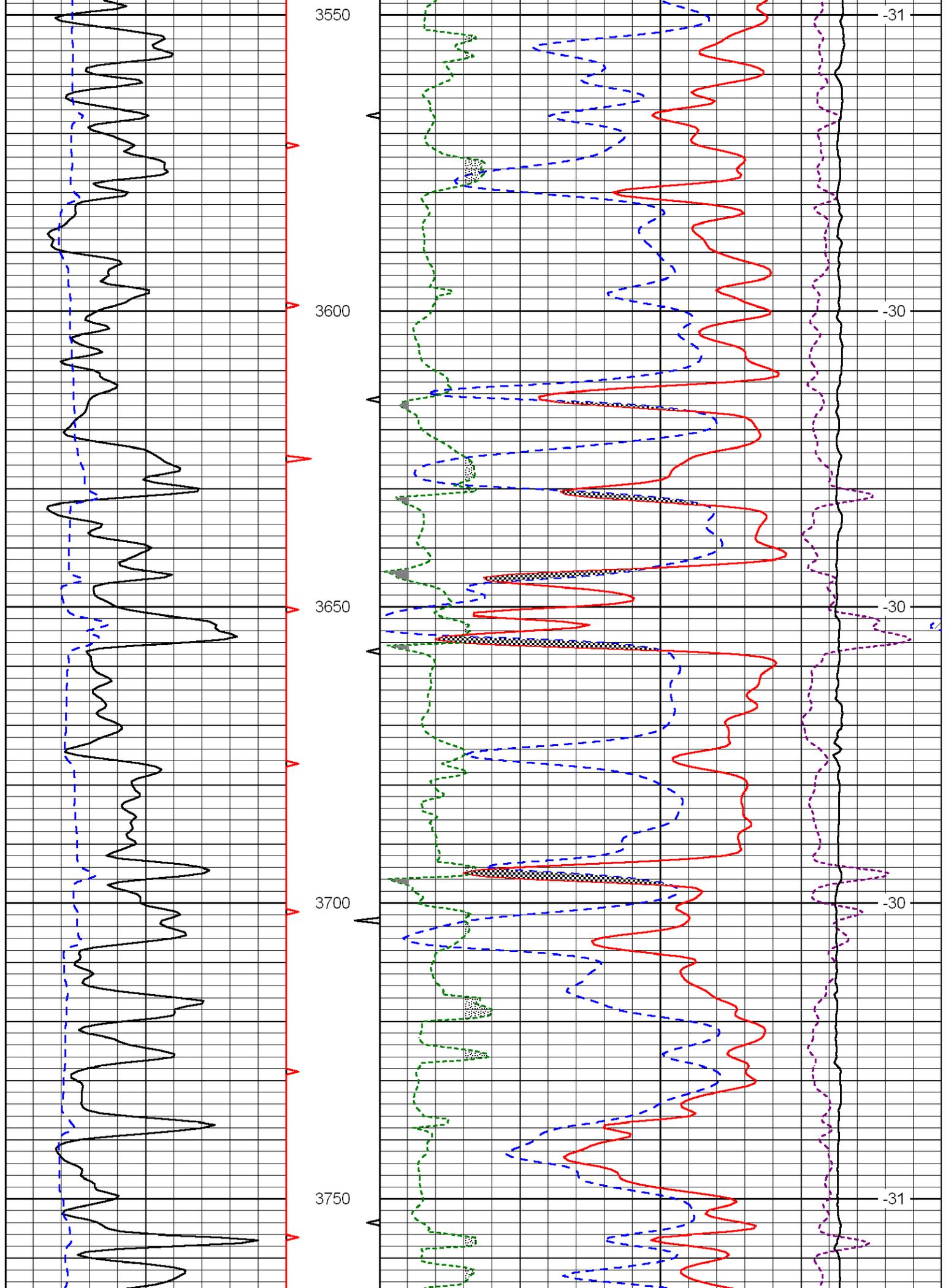


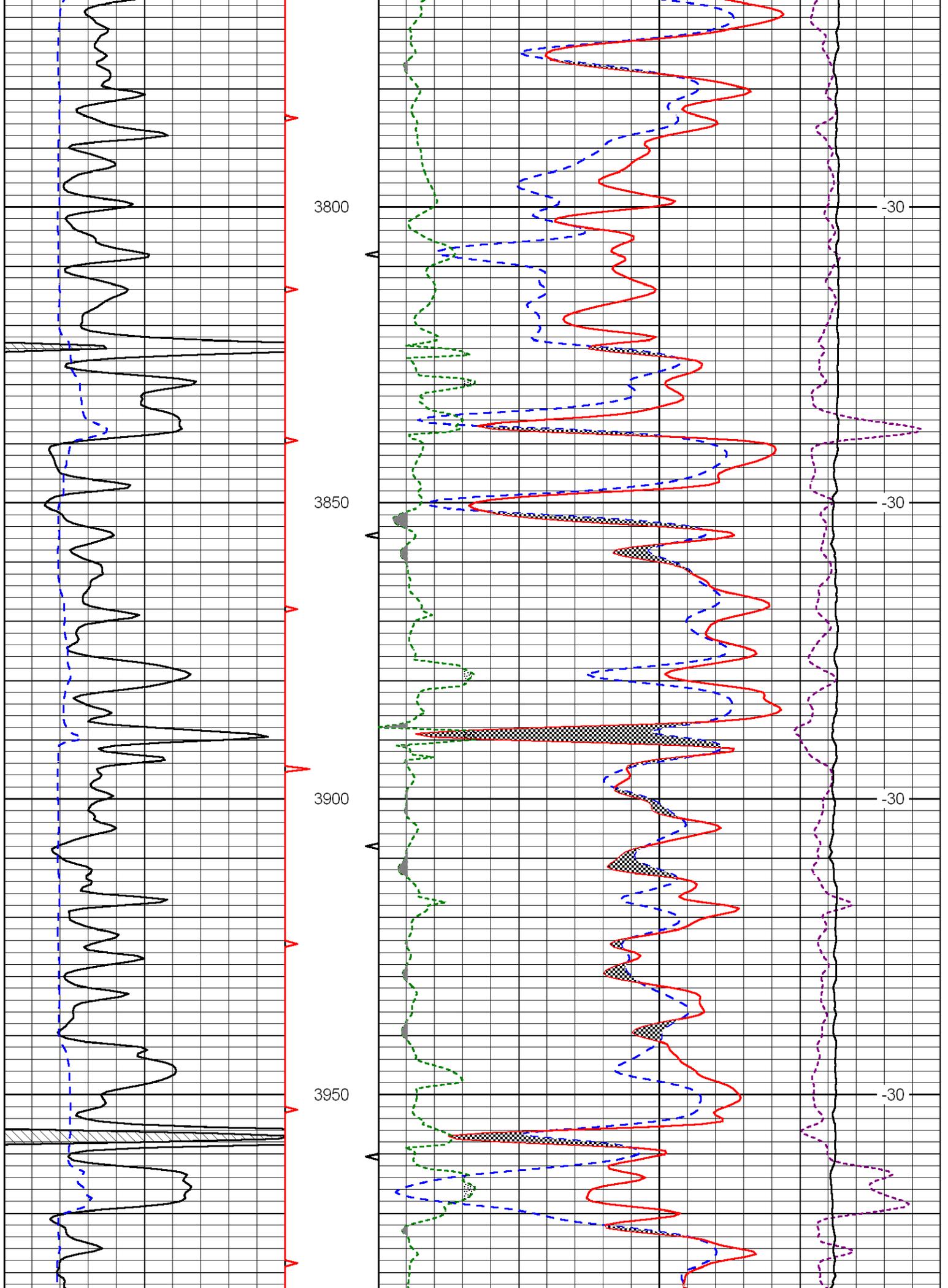


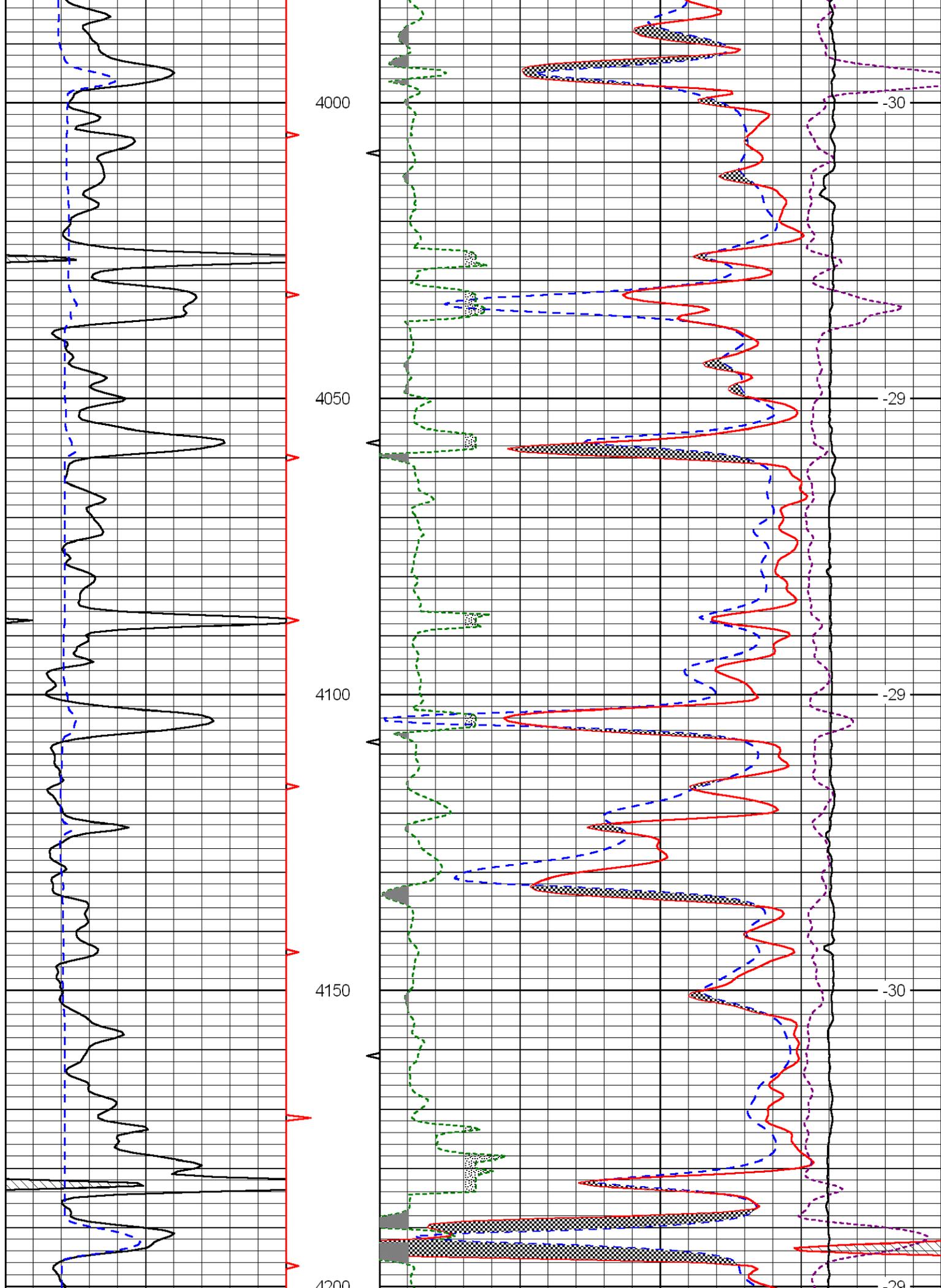


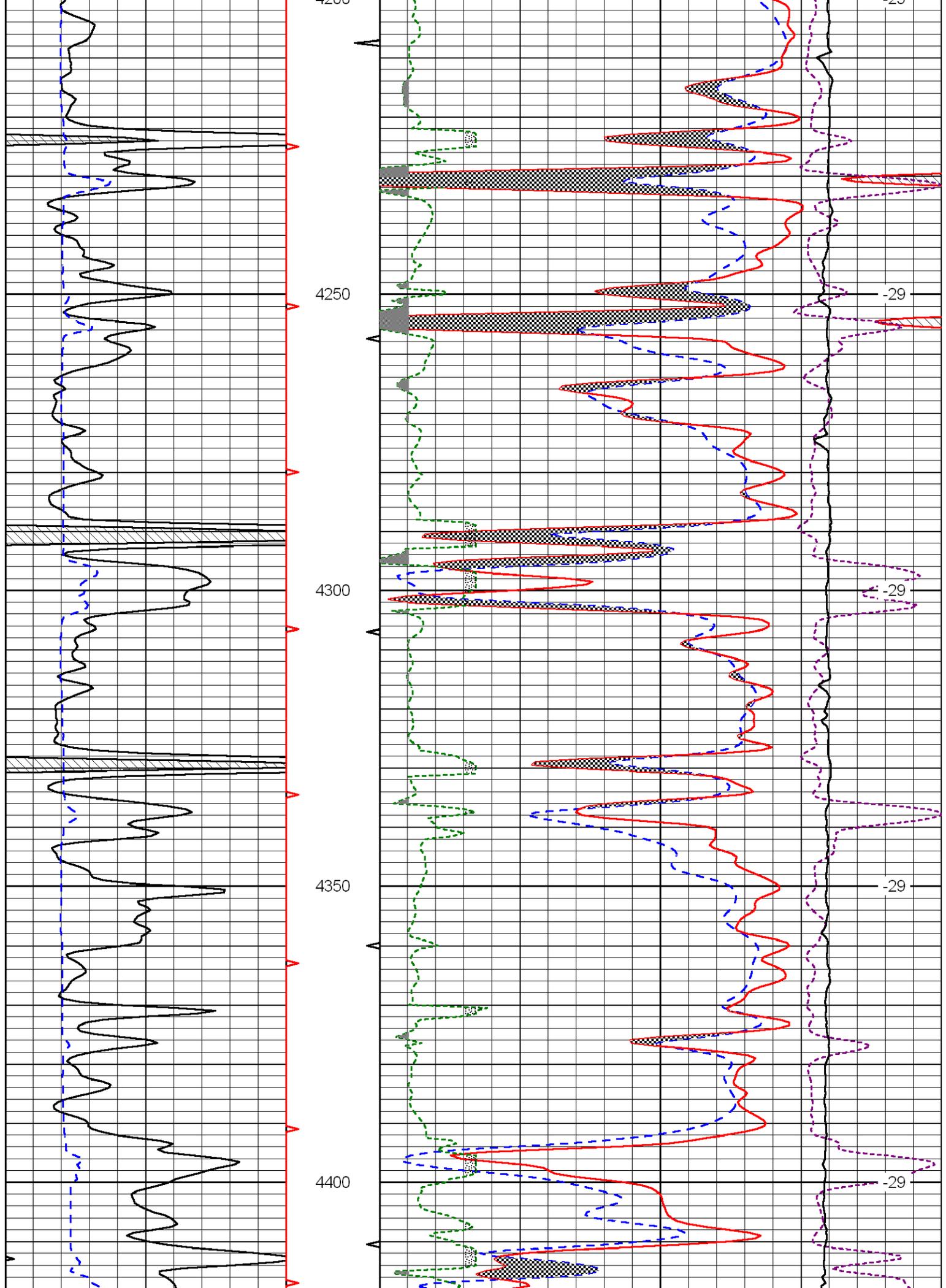
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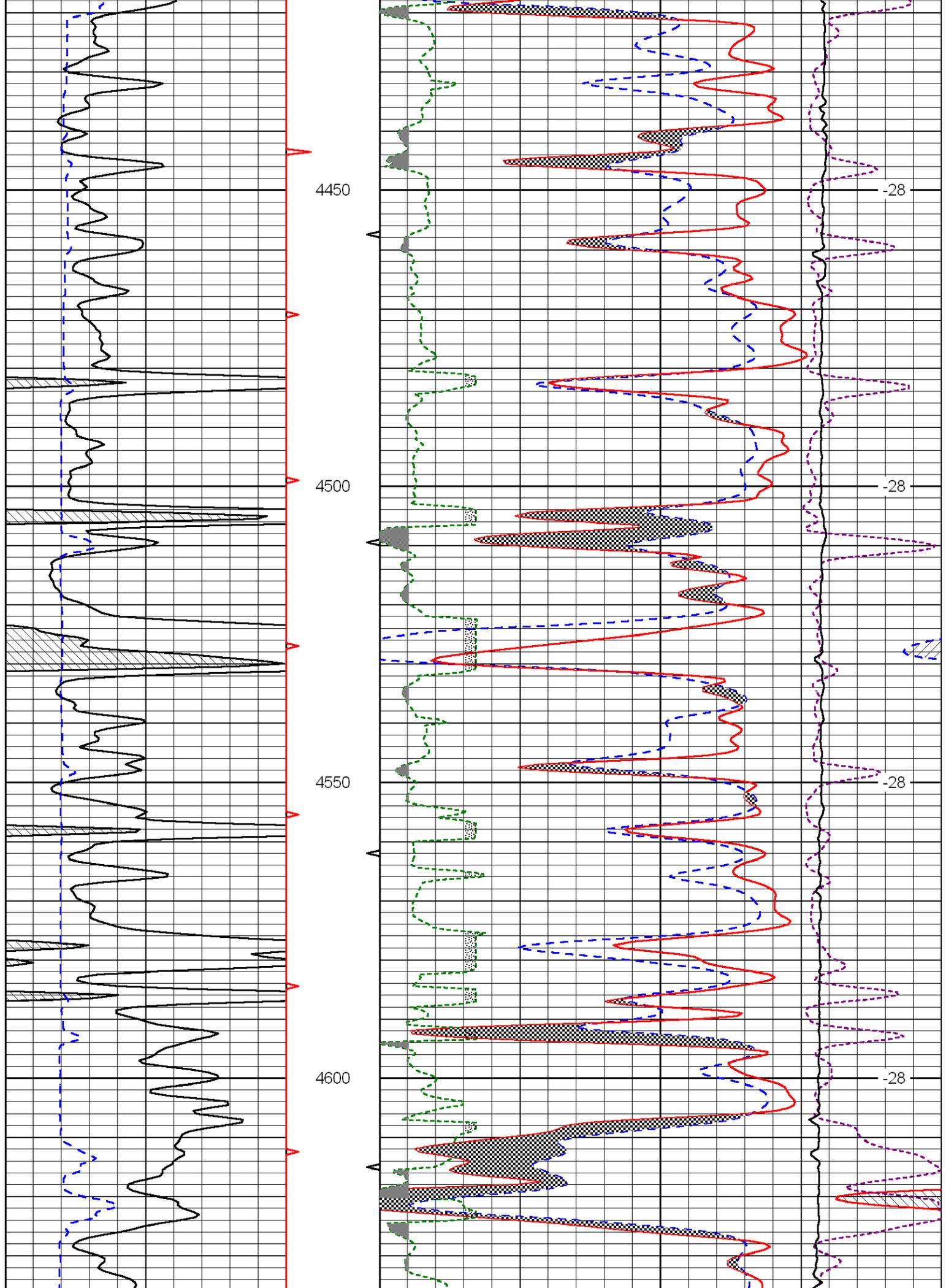


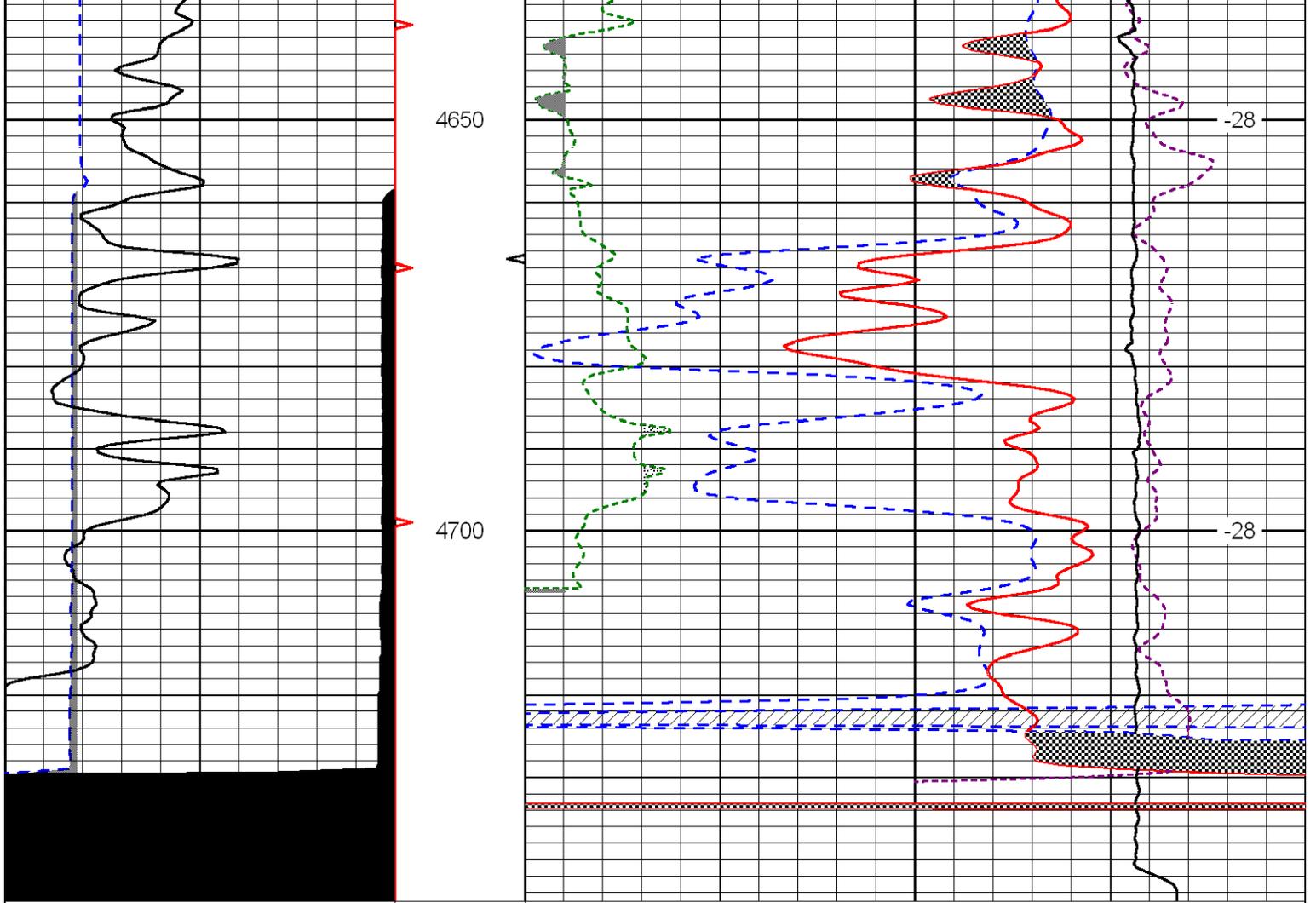












0	Gamma Ray	150
6	Caliper (GAPI)	16

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