



Pioneer Energy Services

## Dual Compensated Porosity Log

**Company** Murfin Drilling Company, Inc.  
**Well** Roemer-Bell No.2-1  
**Field** Wildcat  
**County** Gove **State** Kansas  
**Location** 900' FSL & 335' FEL  
**Sec:** 1 **Twp:** 15S **Rge:** 30W  
**Other Services**  
 DIL  
 MEL/BHCS

API No. 15-063-22,233-00-00  
 Permanent Datum Ground Level Elevation 2618  
 Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum  
 Drilling Measured From Kelly Bushing  
 Date 11/17/2014  
 Run Number One  
 Type Log CNL / CDL  
 Depth Driller 4406  
 Depth Logger 4405  
 Bottom Logged Interval 4384  
 Top Logged Interval 3300  
 Type Fluid In Hole Chemical  
 Salinity, PPM CL 2,600  
 Density 9.3  
 Level Full  
 Max. Rec. Temp. F 120  
 Operating Rig Time 5 Hours  
 Equipment -- Location 51 Hays  
 Recorded By C. Desaire  
 Witnessed By Larry Nicholson

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt.	From	To
One	12.25	00	221	8.625	23#	00
Two	7.875	221	TD			221

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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.

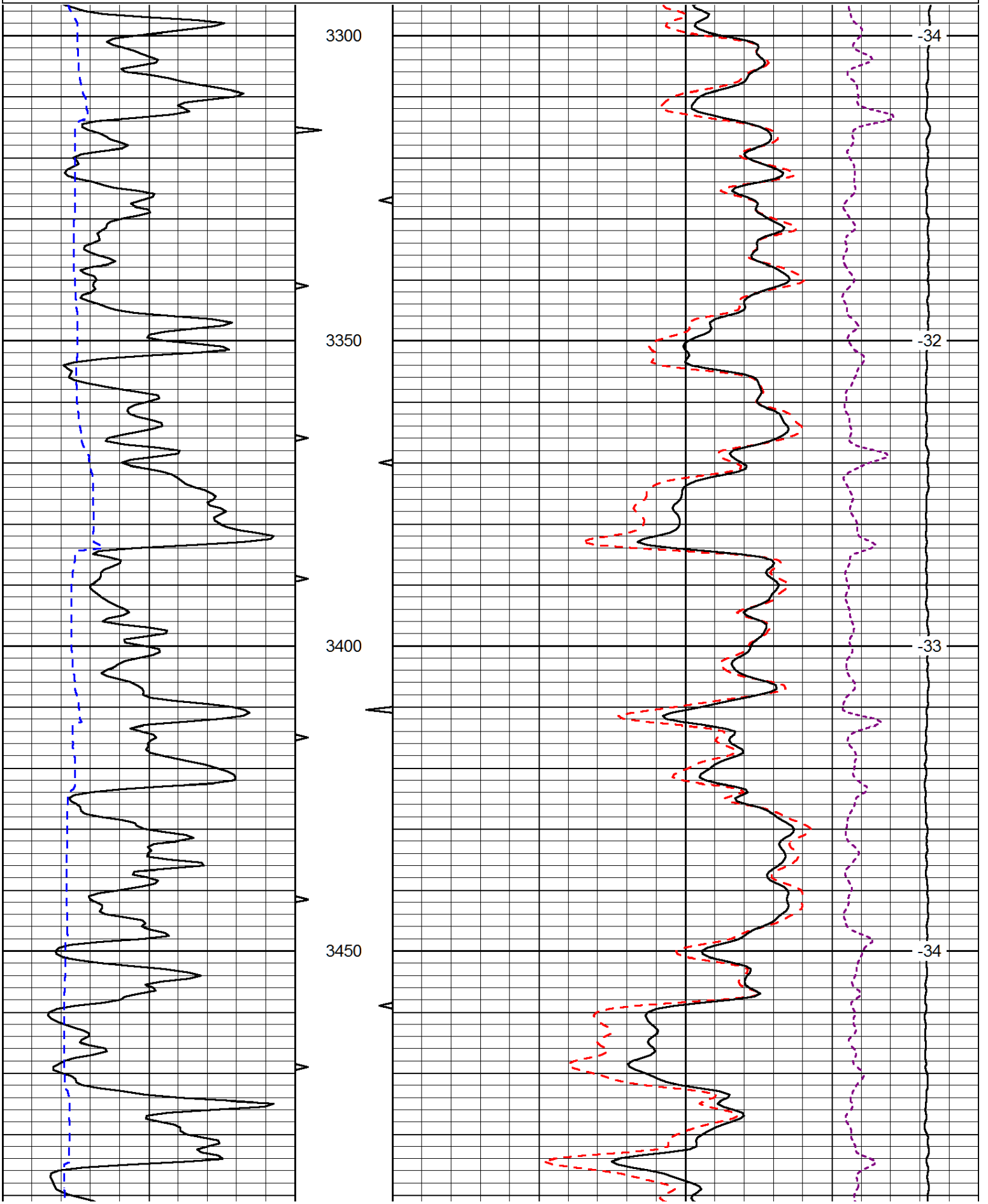
**Comments**

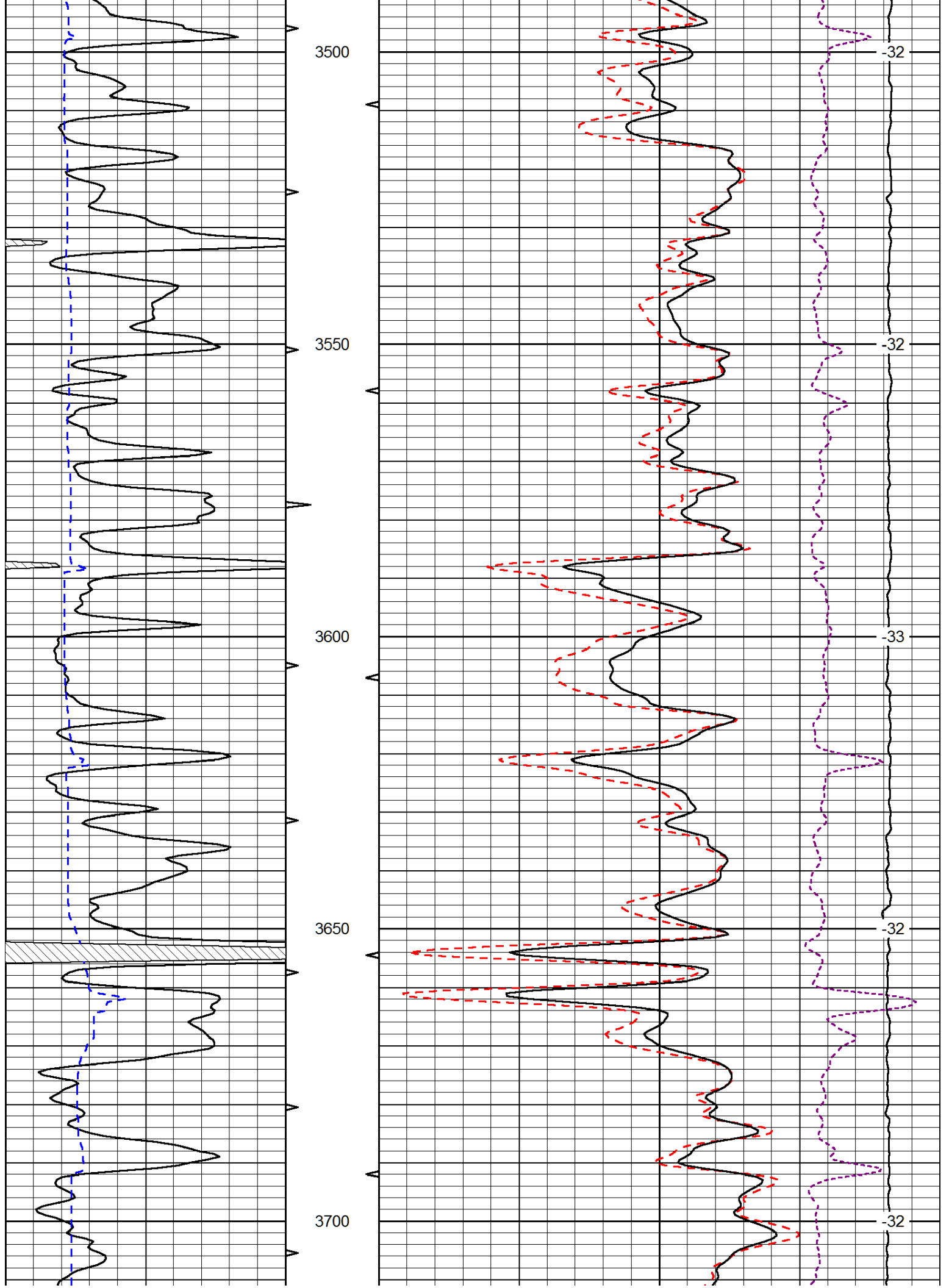
Thank you for using Log-Tech, Inc.  
 (785) 625-3858  
  
 Healy KS, 10 N, W Into

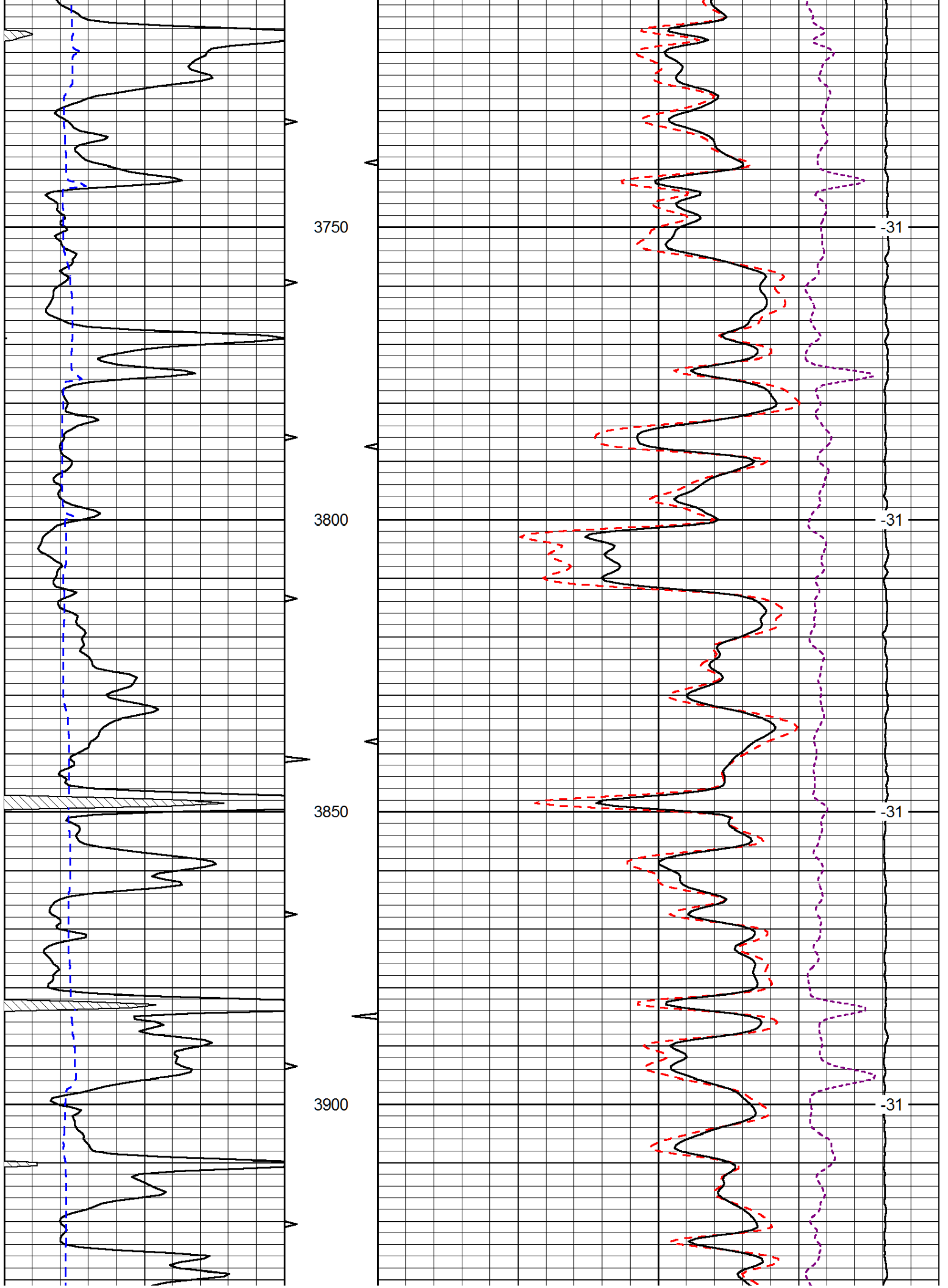
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 Charted by: Depth in Feet scaled 1:240

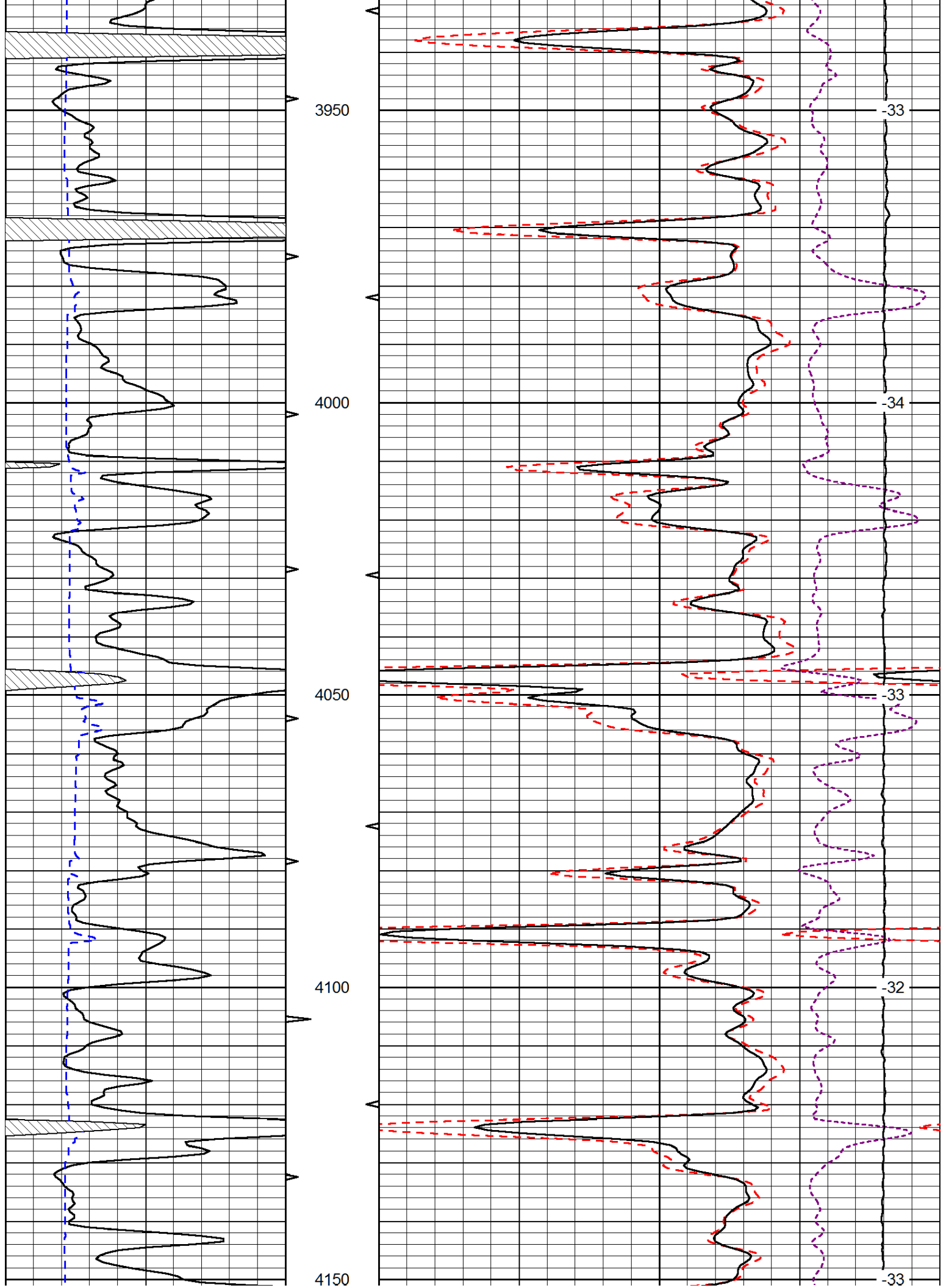
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6	Caliper (GAPI)	16

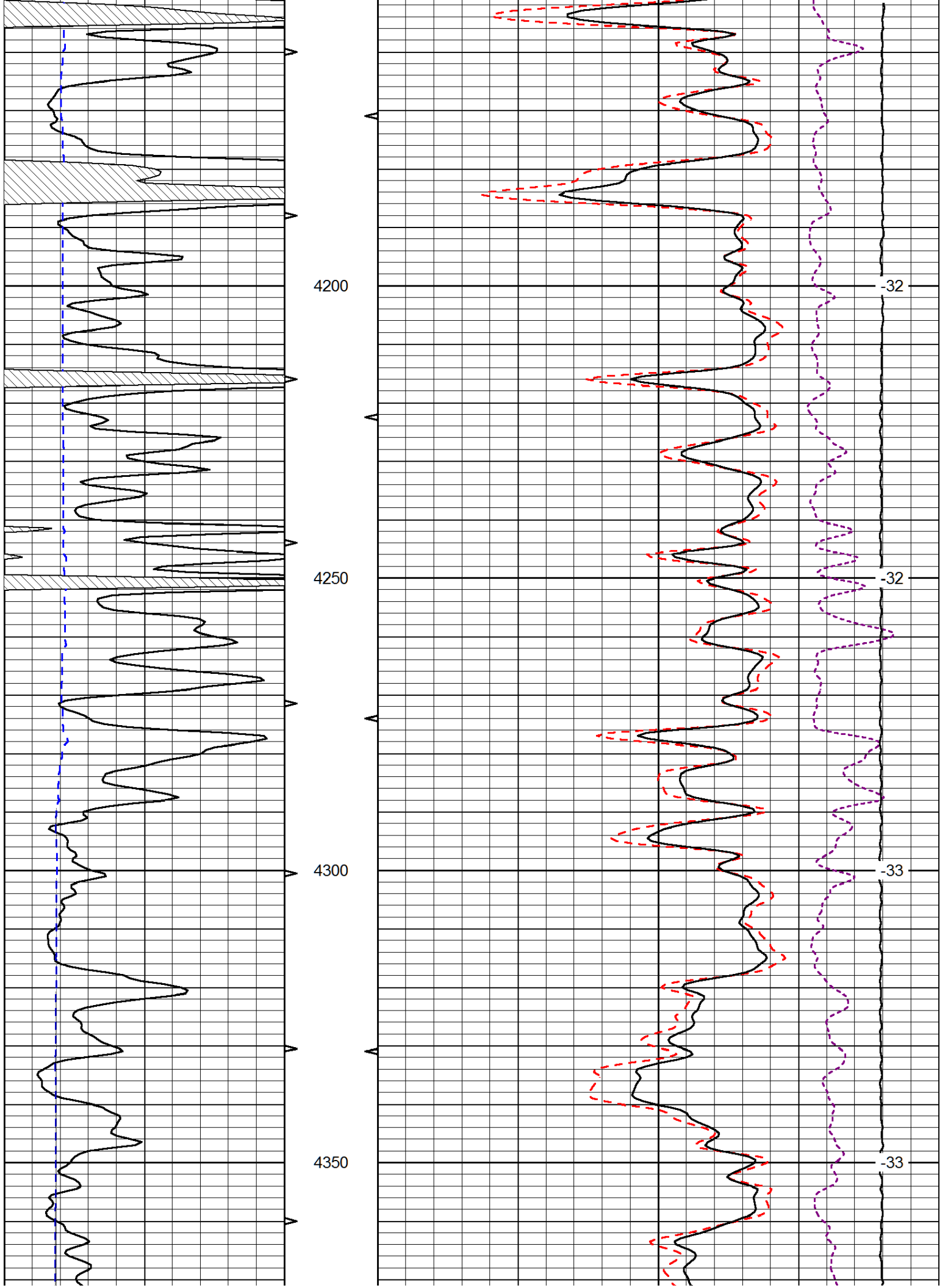
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2	Bulk Density	3
15000	Line Tension	0
-0.25	Correction	0.25
		LSPD

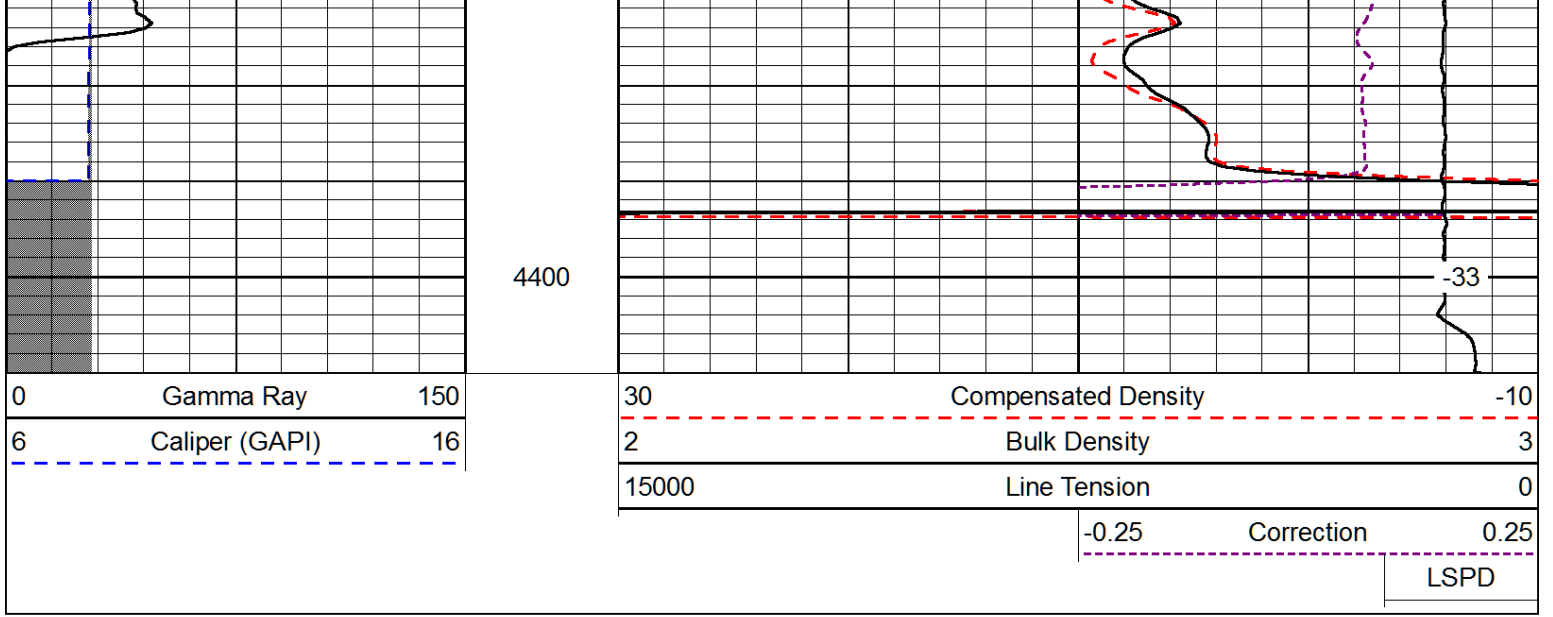




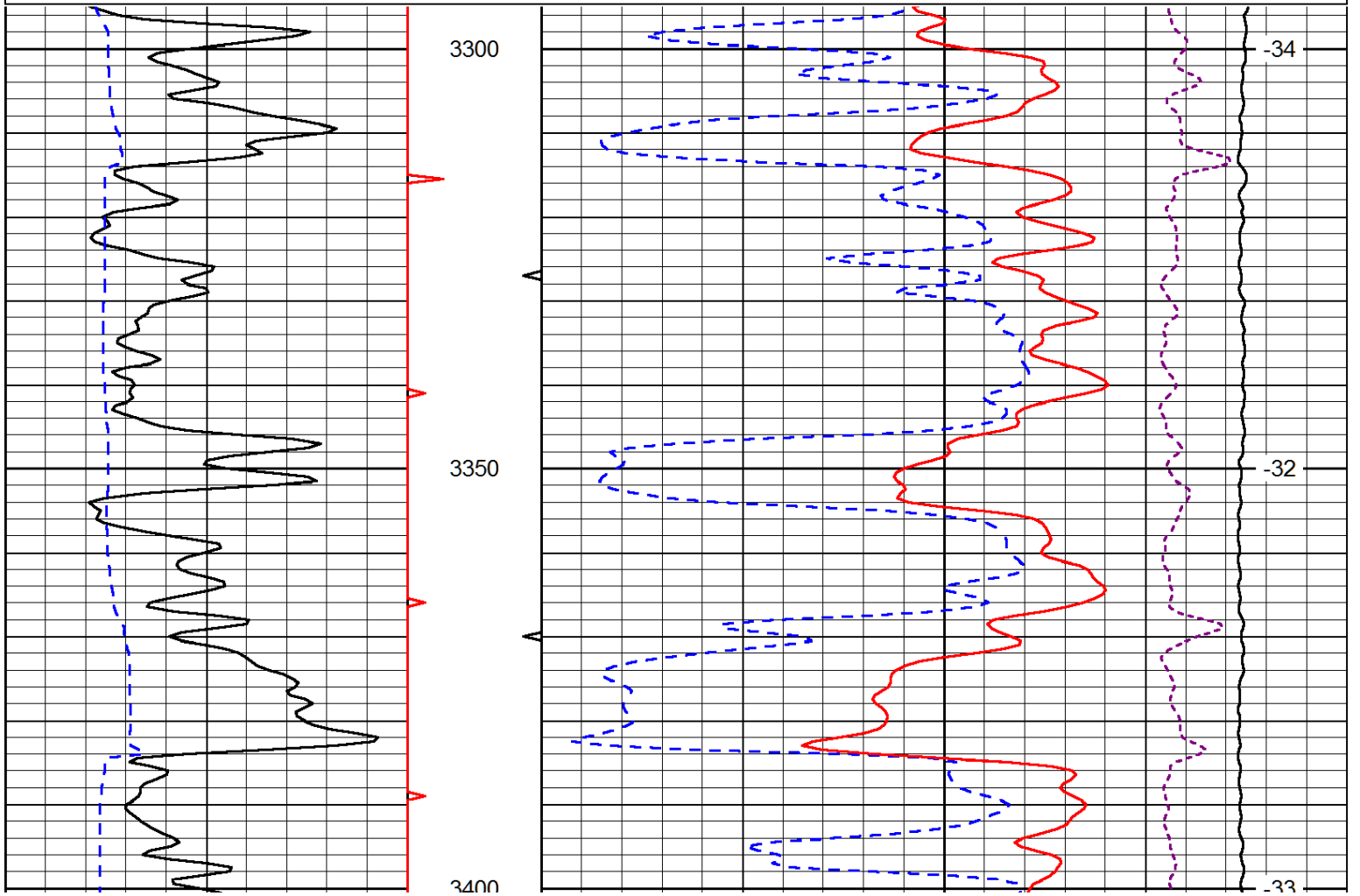
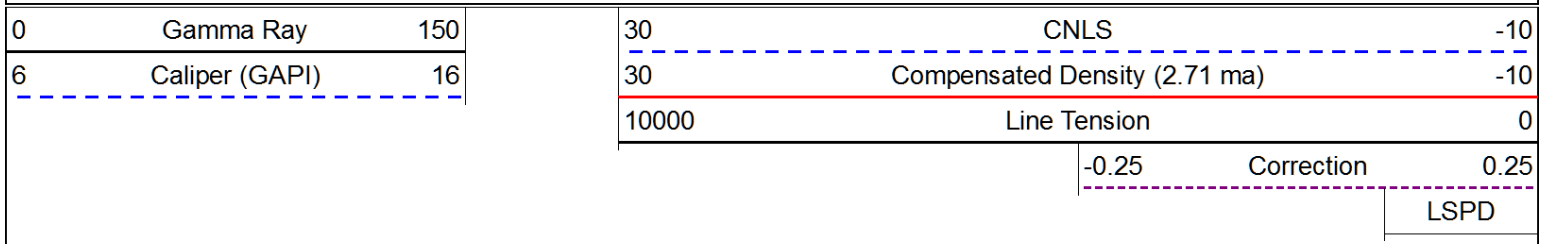


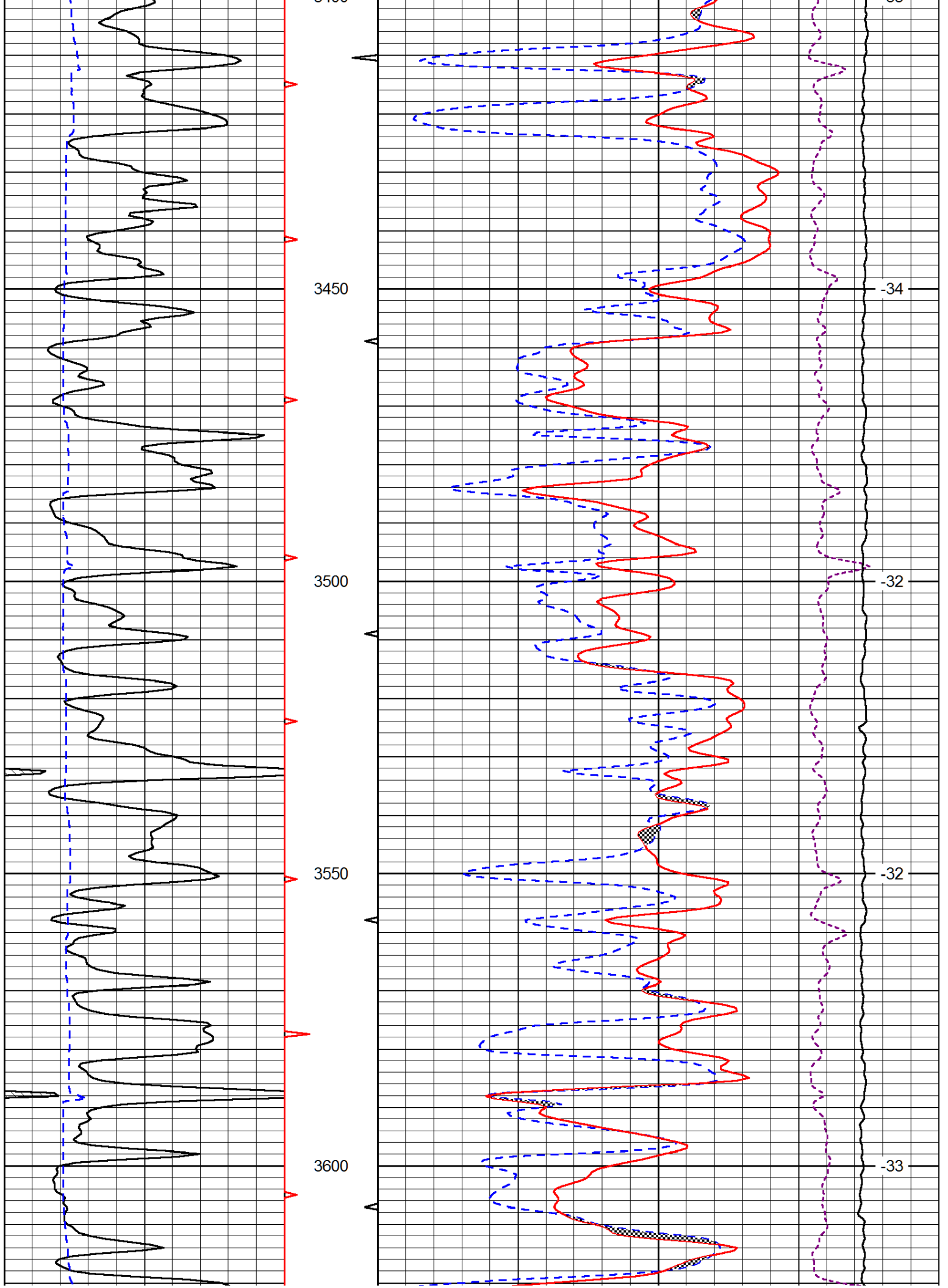


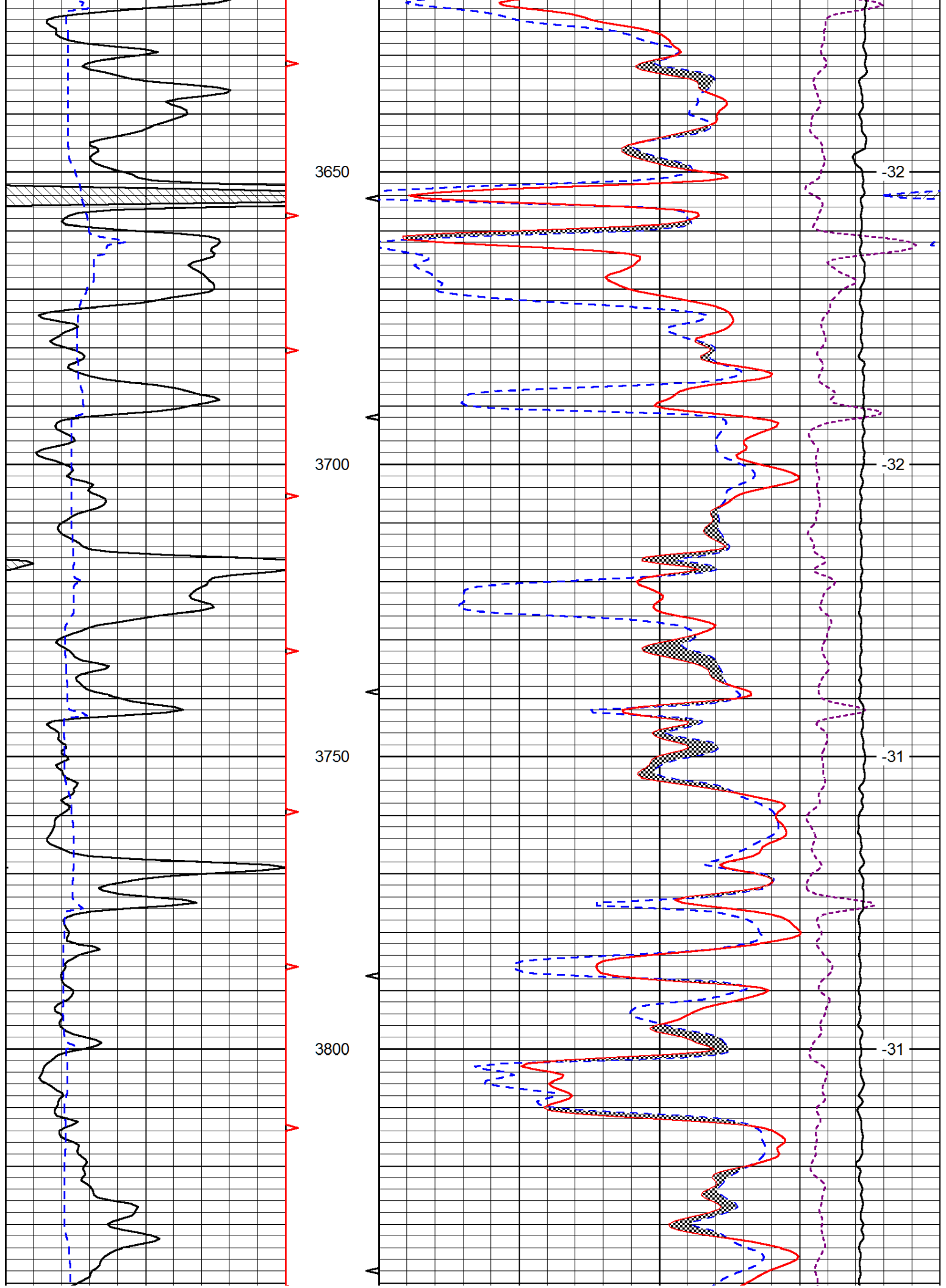


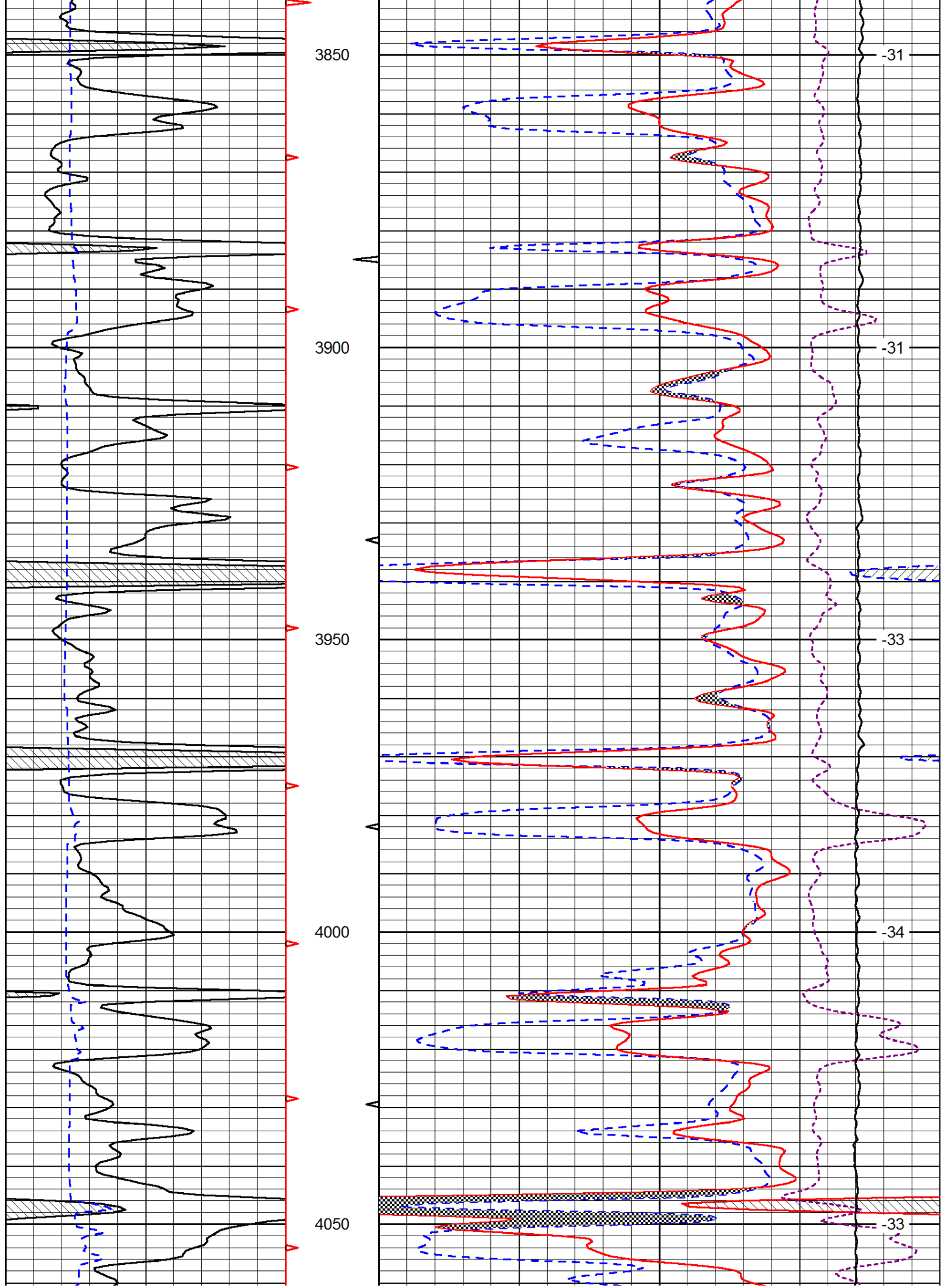


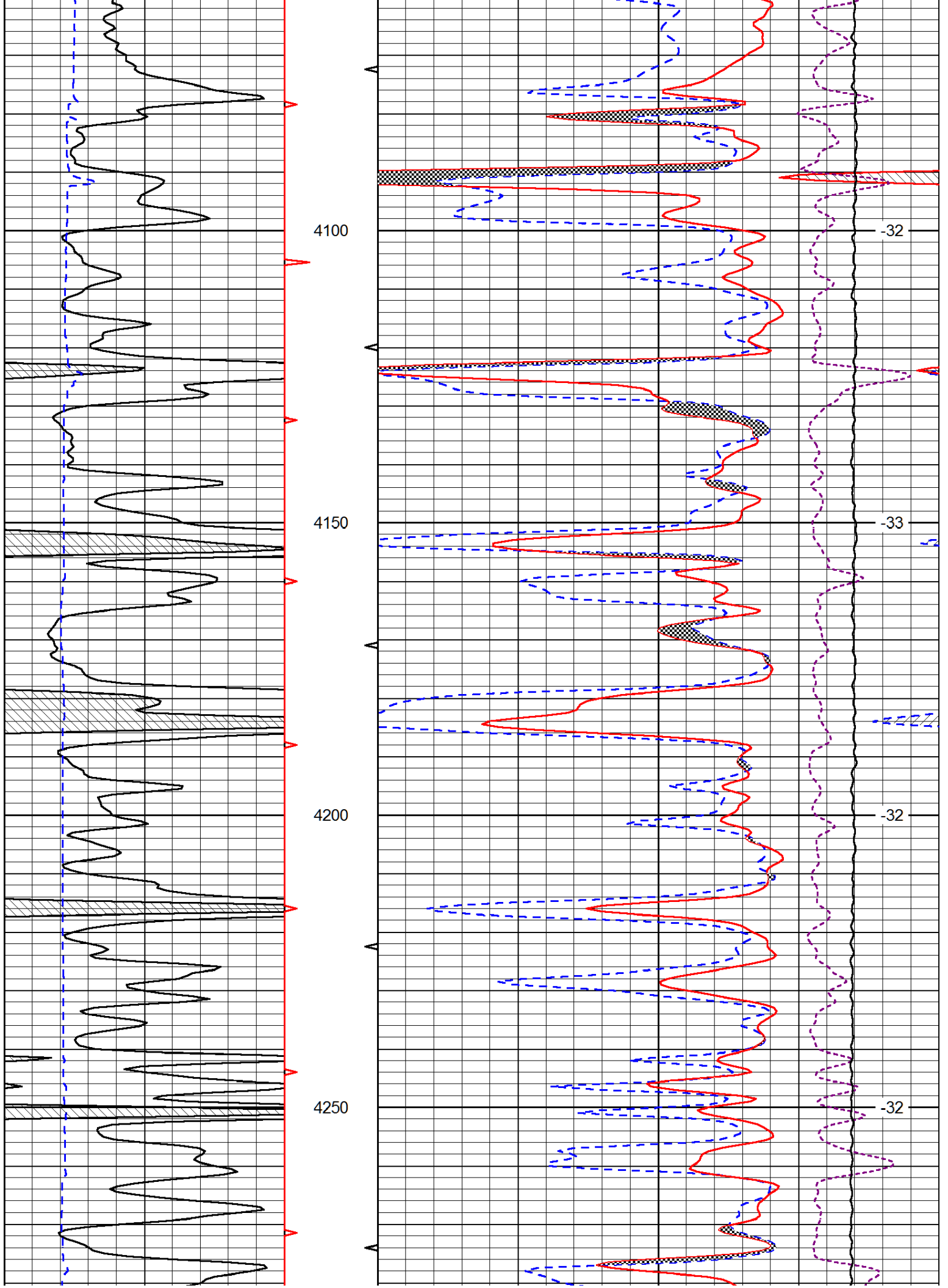
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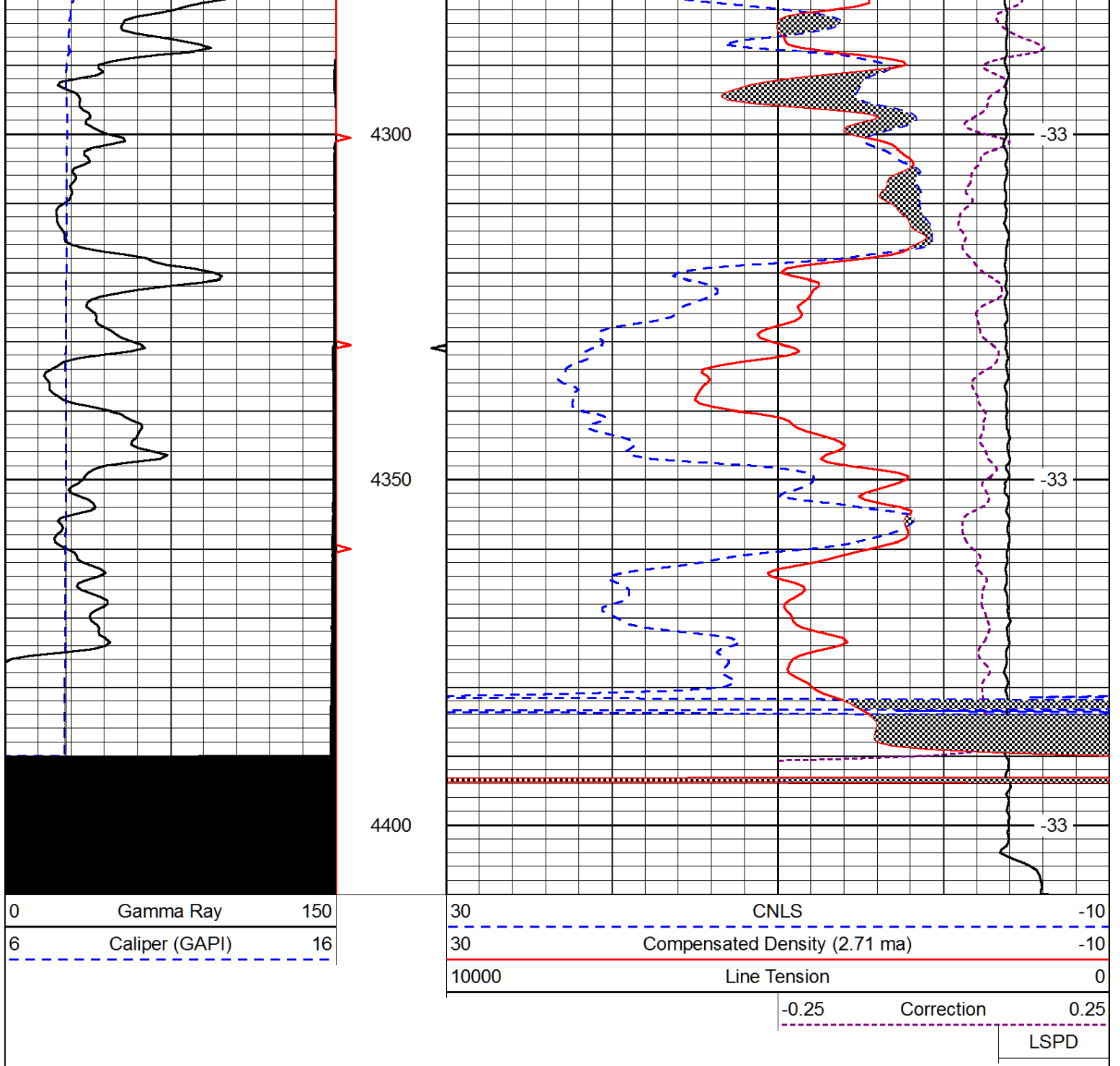












0	Gamma Ray	150
6	Caliper (GAPI)	16

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