



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-101-22399-00-00

Company **Larson Engineering, Inc.**

Well **SS #2-10**

Field **Unnamed**

County **Lane**

State **Kansas**

Location **1658' FSL & 2284' FEL**

Sec: **10** Twp: **19S** Rge: **29W**

Permanent Datum **Ground Level** Elevation **2819**
Log Measured From **Kelly Bushing** **7** Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Other Services
DIL/ME
Elevation
K.B. 2826
D.F. 2819
G.L. 2819

Date **9/12/2012**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **4646**

Depth Logger **4647**

Bottom Logged Interval **4626**

Top Logged Interval **3600**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **3600**

Density **9.2**

Level **Full**

Max. Rec. Temp. F **124**

Operating Rig Time **4 Hours**

Equipment -- Location **91 Hays**

Recorded By **D. Schmidt**

Witnessed By **Vern Schrag**

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	261	8.625	23#	00	261
Two	7.875	261	TD				

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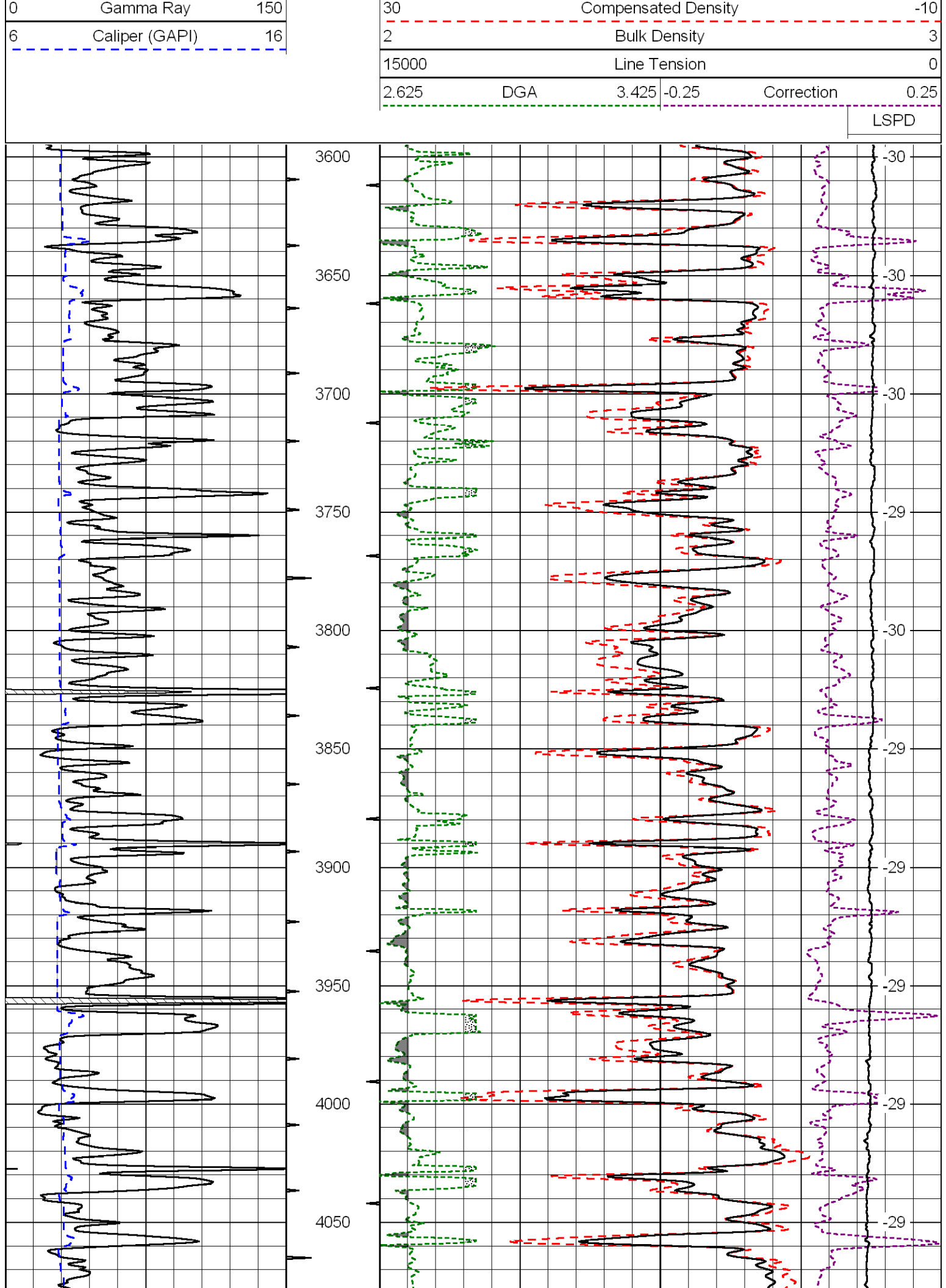
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

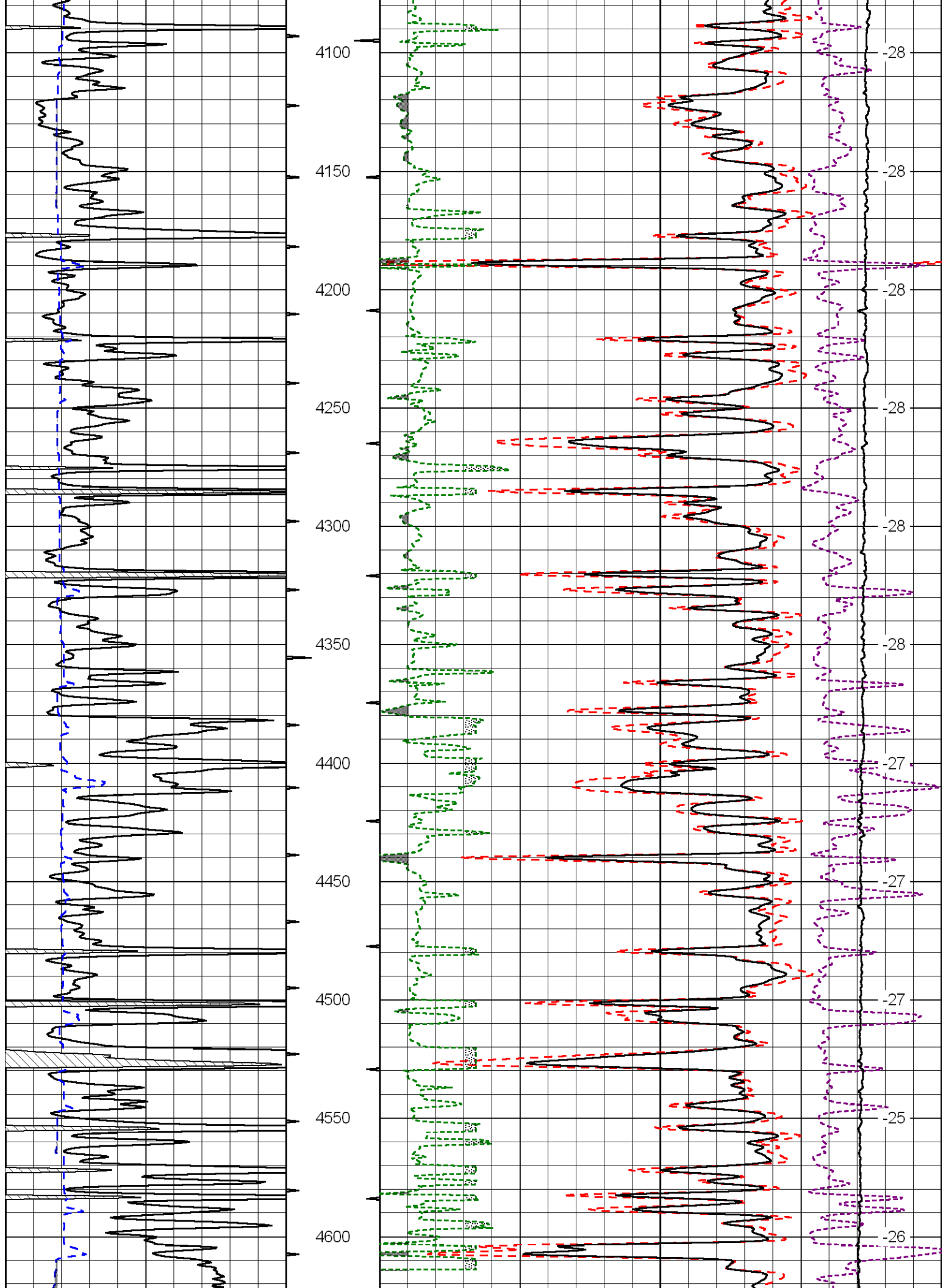
Comments

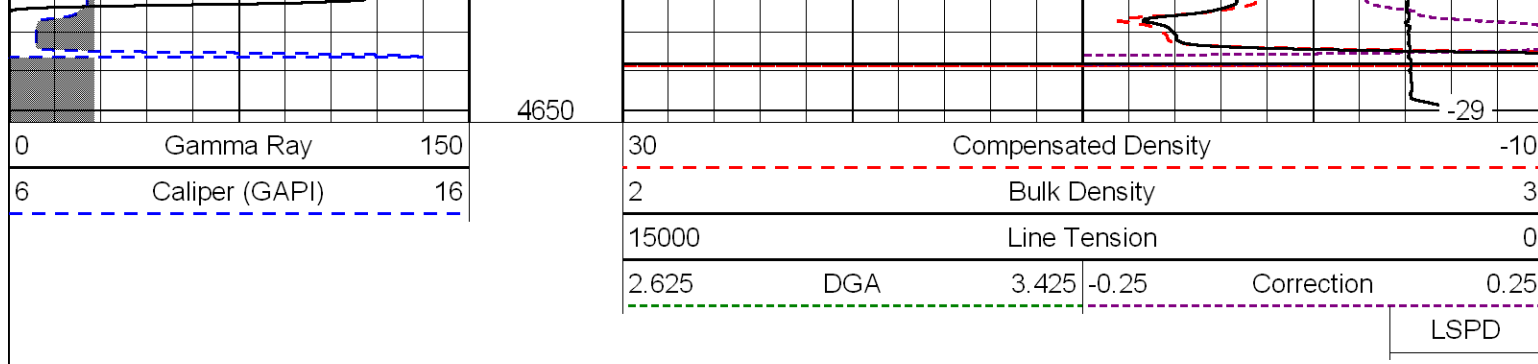
Thank you for using Log-Tech, Inc.
(785) 625-3858

Dighton,
2 South to Rd 130, 2 West to Jagger Rd, 2 1/2 South,
West into

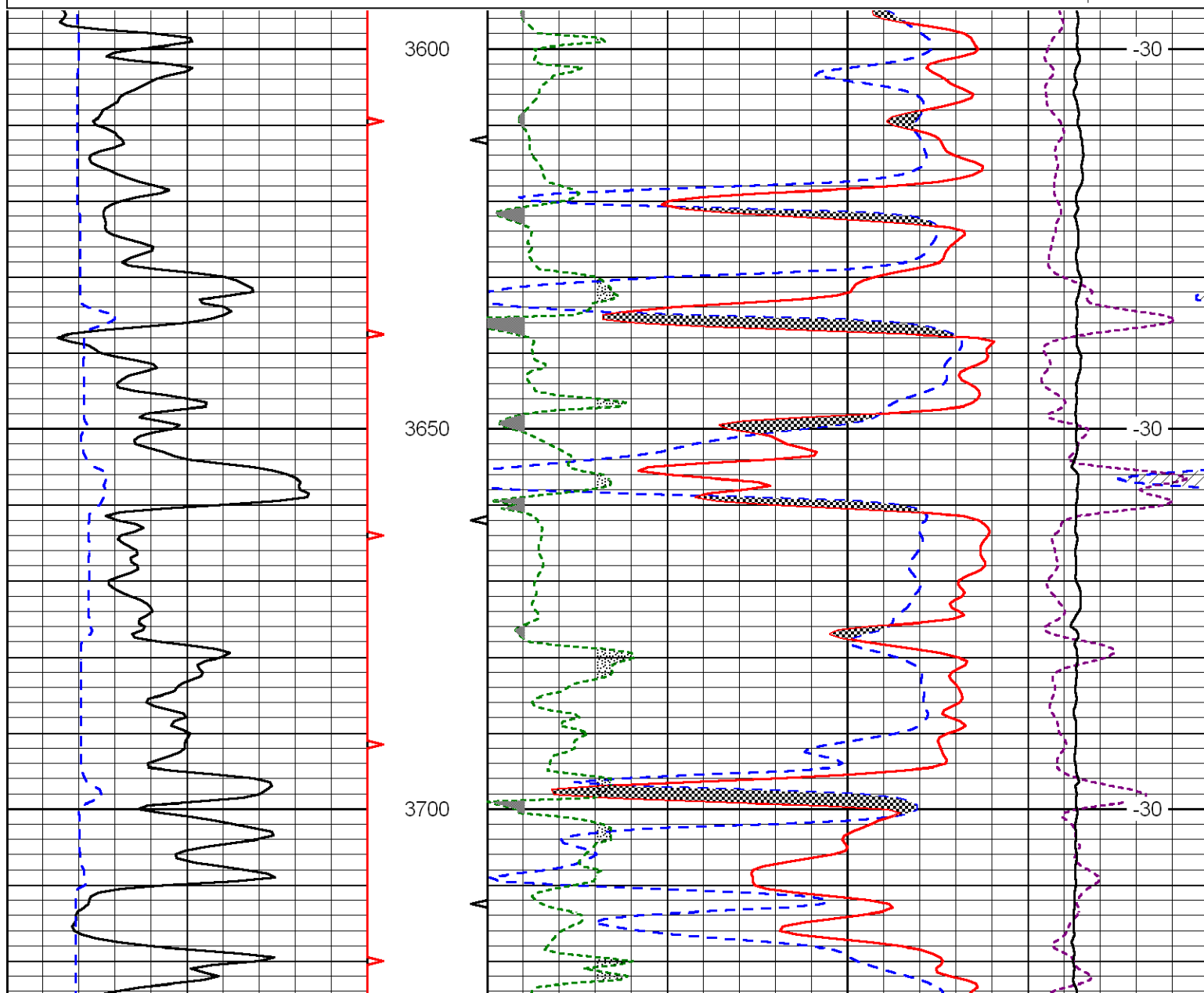
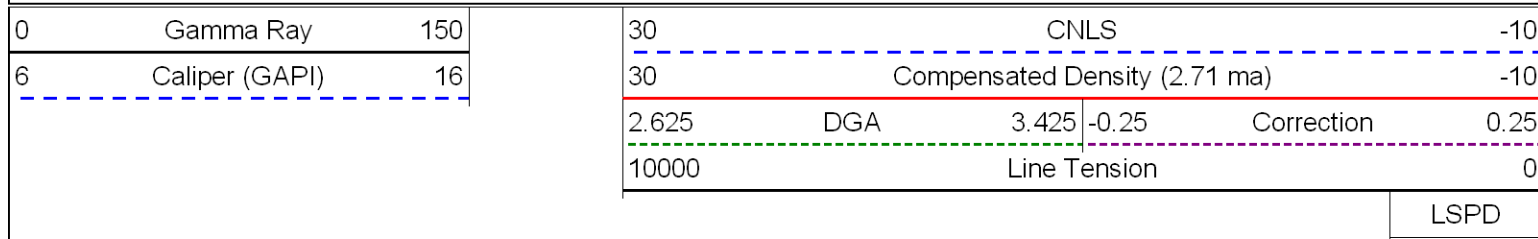
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Presentation Format: cdl
Dataset Creation: Wed Sep 12 22:11:32 2012
Charted by: Depth in Feet scaled 1:600

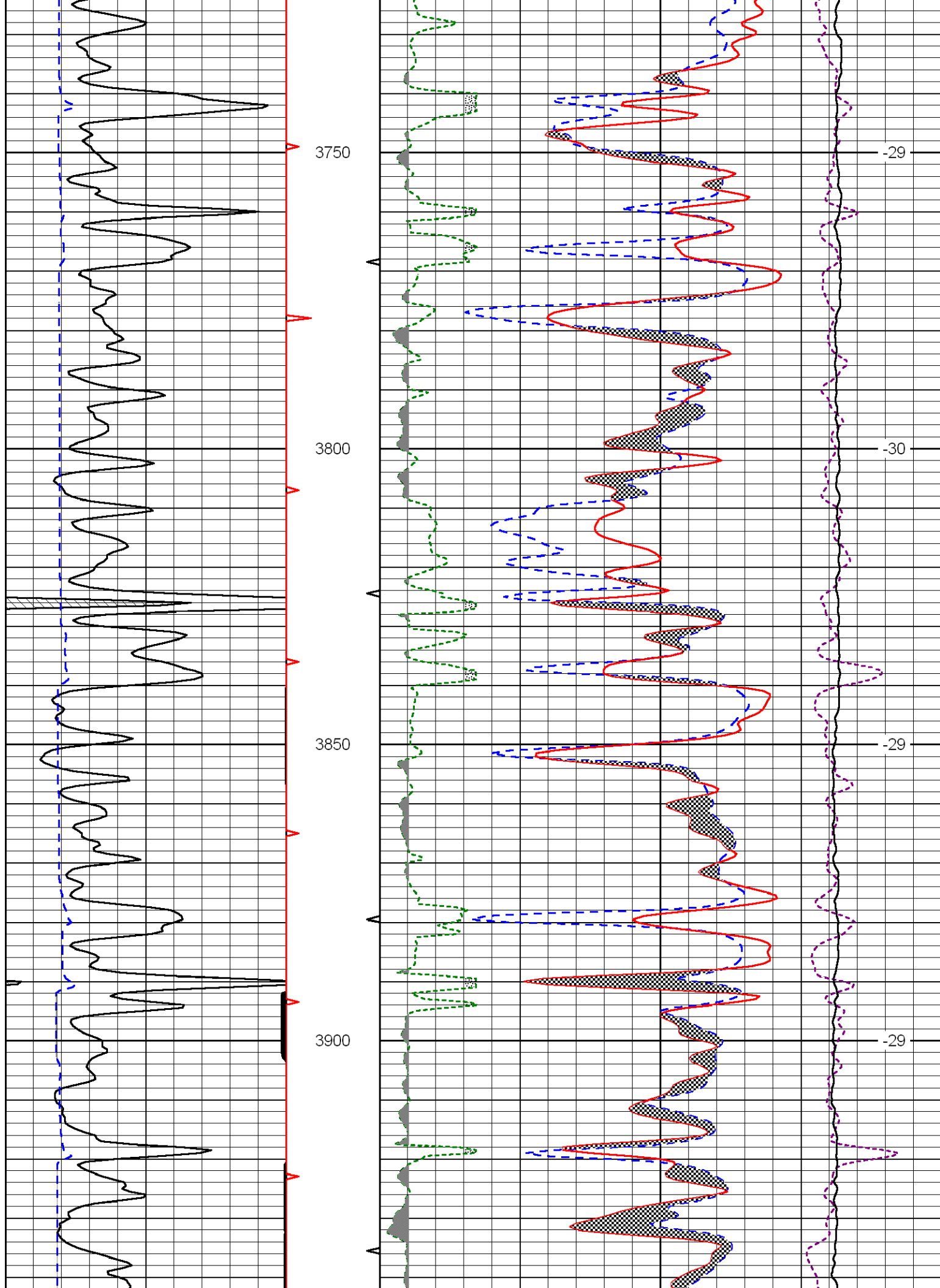


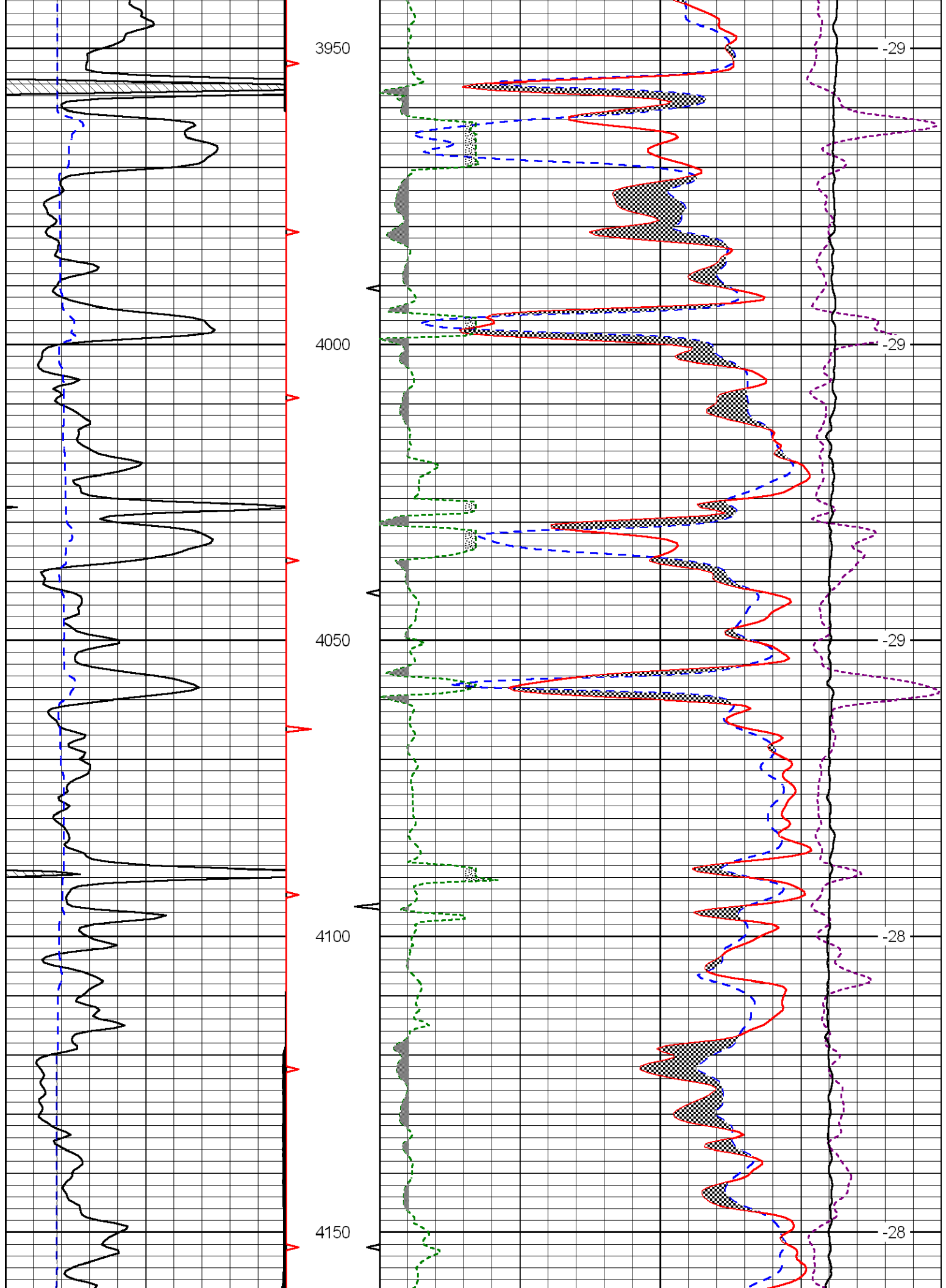


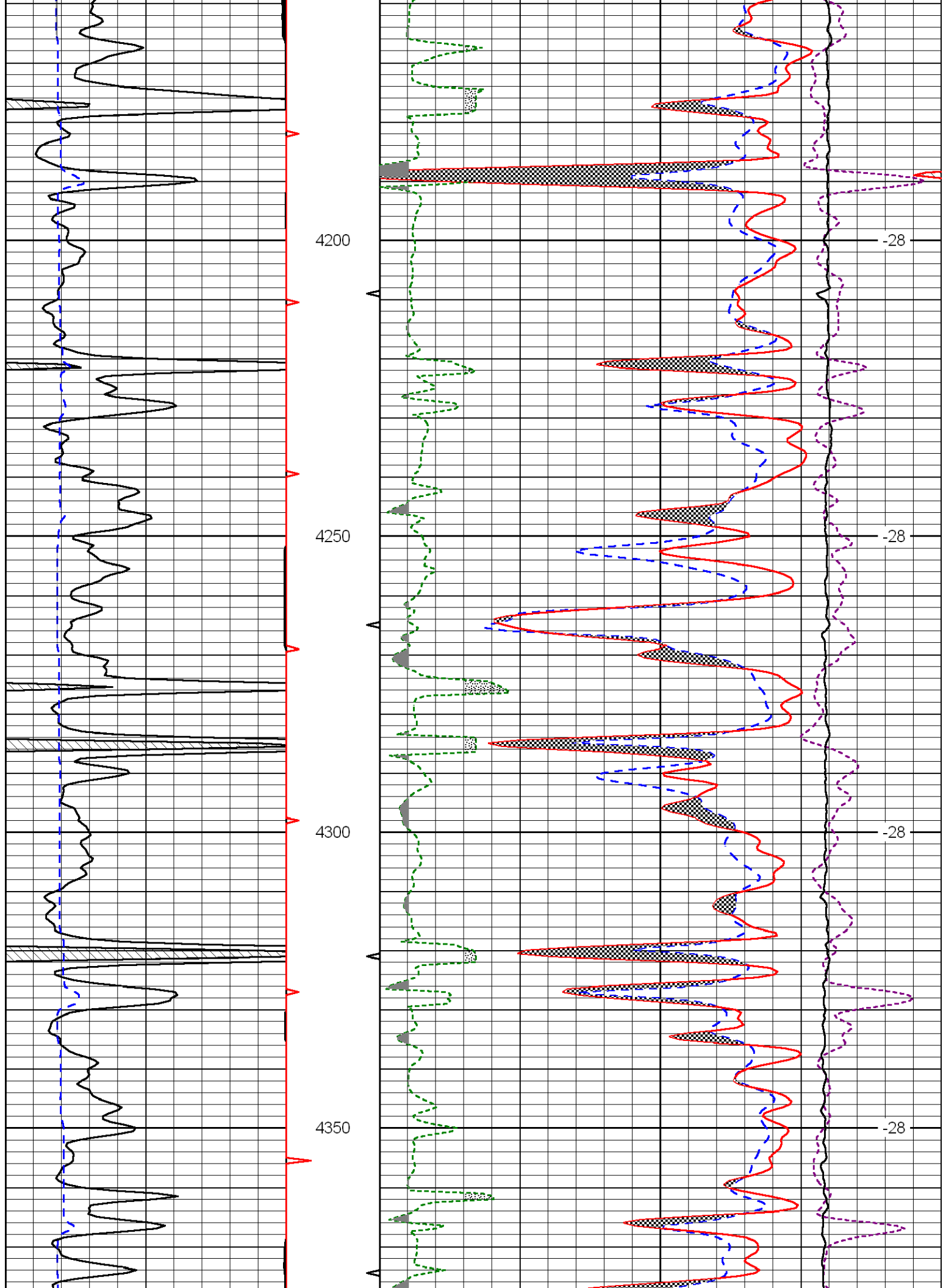


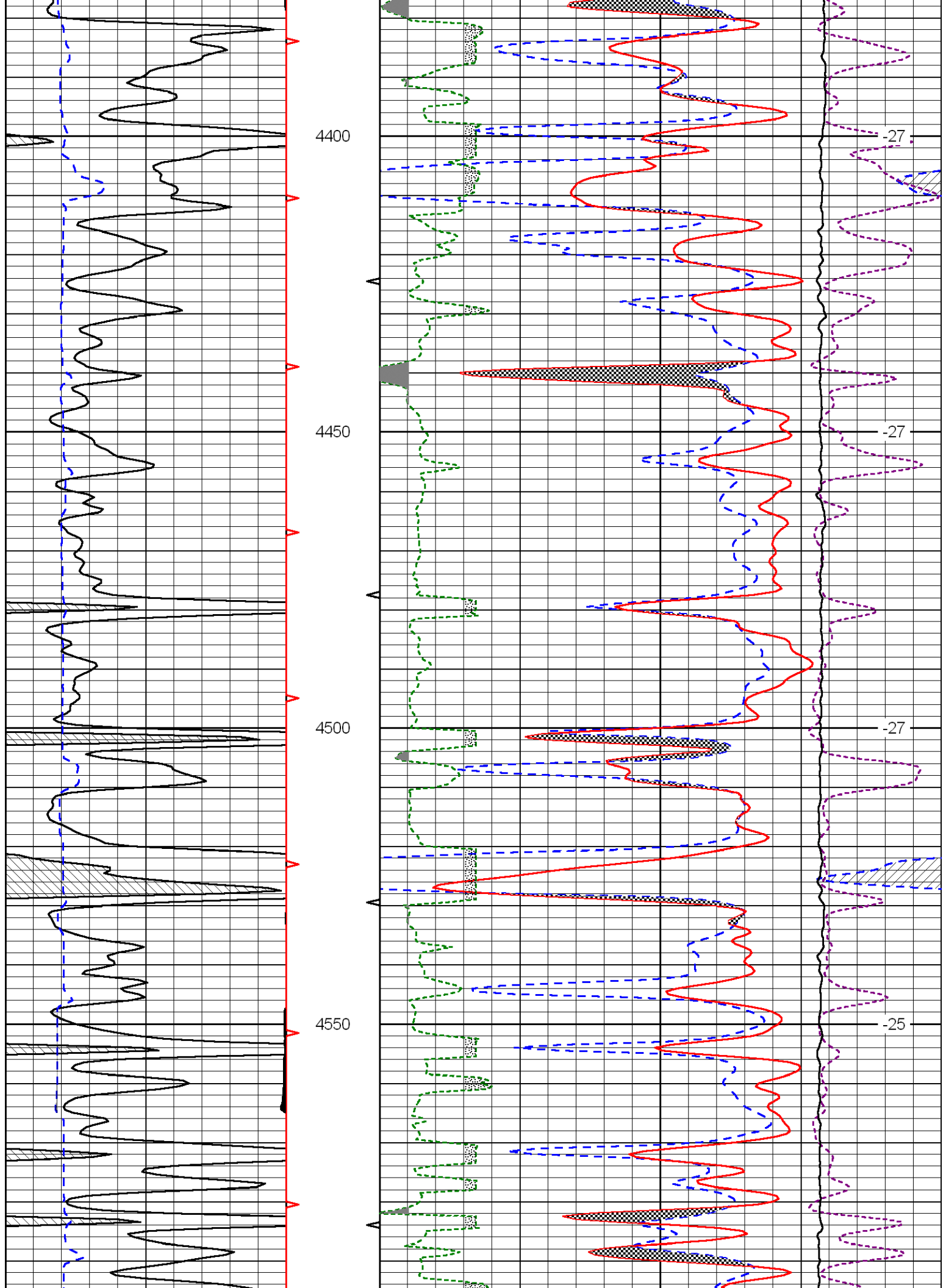
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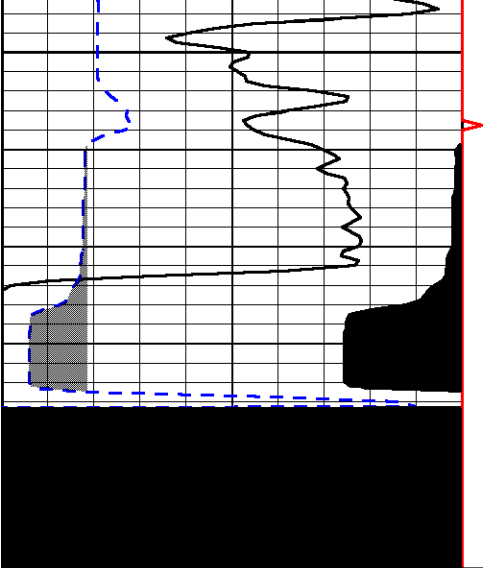








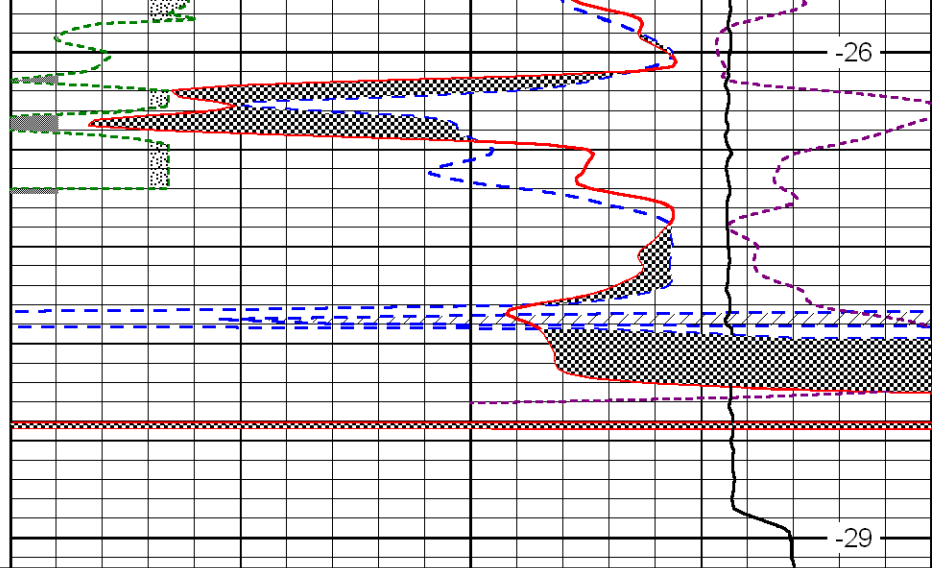




4600

4650

0	Gamma Ray	150
6	Caliper (GAPI)	16



-26

-29

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