



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-23932-00-00

Company N-10 Exploration, LLC
Well Medicine River Ranch "D" #7
Field Landis
County Barber State Kansas

Location 330' FSL / 2120' FEL

Sec: 10 Twp: 34S Rge: 11W

Other Services
DIL

Permanent Datum Ground Level Elevation 1356
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1366
D.F. 1356
G.L. 1356

Date 5/10/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4950

Depth Logger 4950

Bottom Logged Interval 4928

Top Logged Interval 3000

Type Fluid In Hole Chemical

Salinity, PPM CL 5000

Density 9.3

Level Full

Max. Rec. Temp. F 126

Operating Rig Time 4 Hours

Equipment -- Location 17 Days

Recorded By R. Barnhart

Witnessed By Tim Pierce

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 00 266 8.625 23# 00 266

Two 7.875 266 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

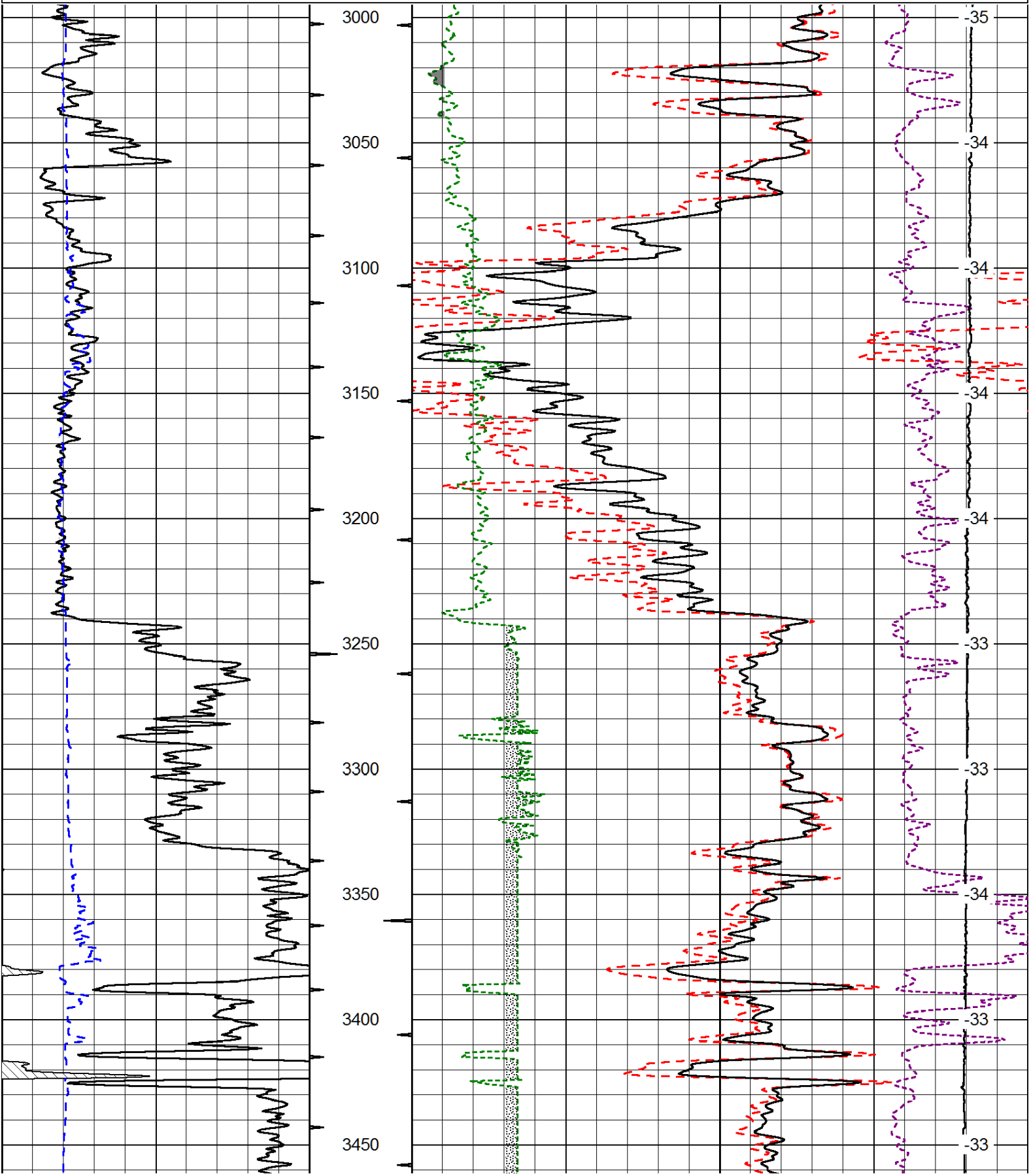
Thank you for using Log-Tech, Inc.
(785) 625-3858

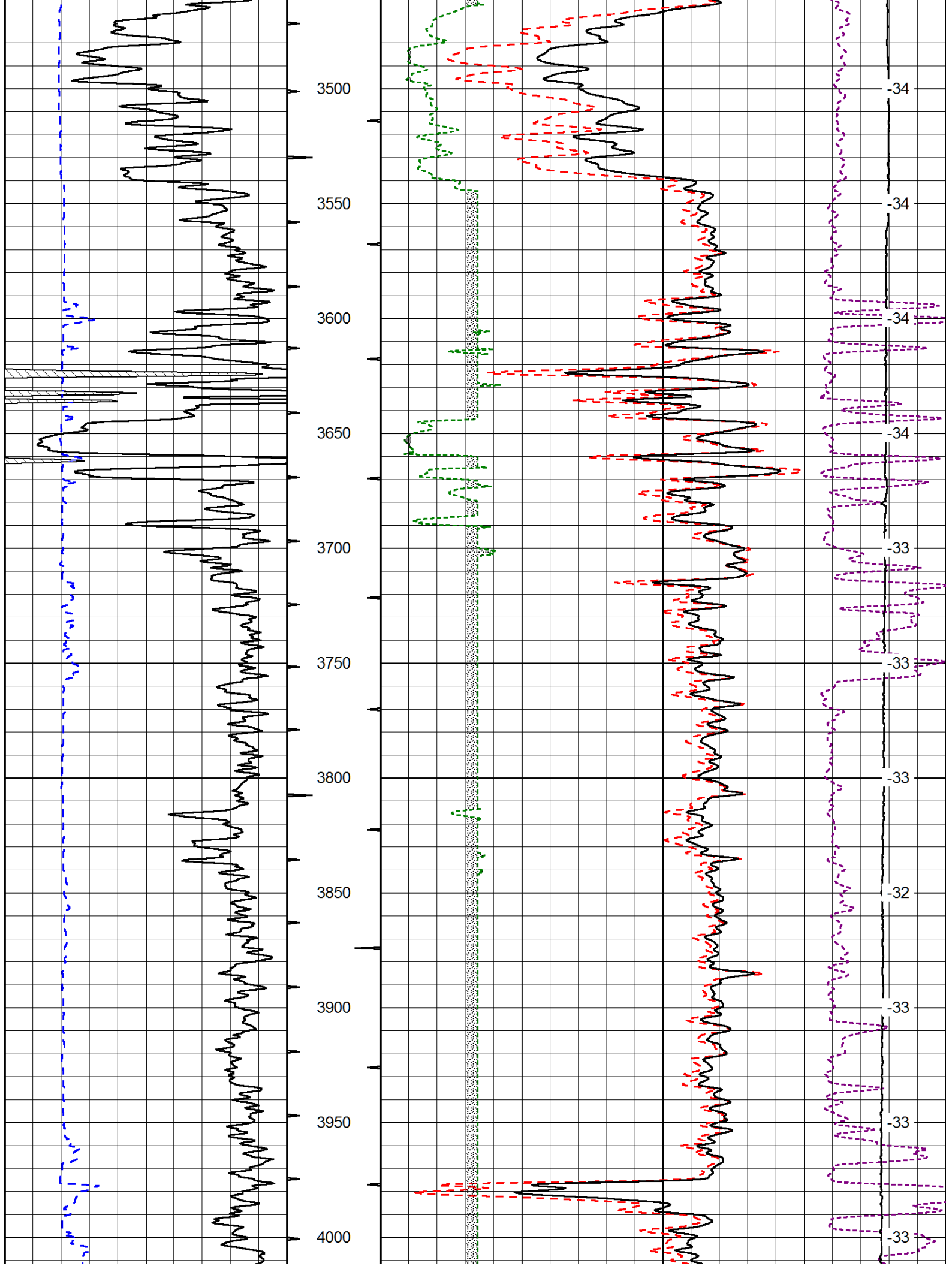
Medicine Lodge, KS:
S to Gerlane Rd., E to Bethel, S to Scott Canyon Rd., 1 1/2W, N into

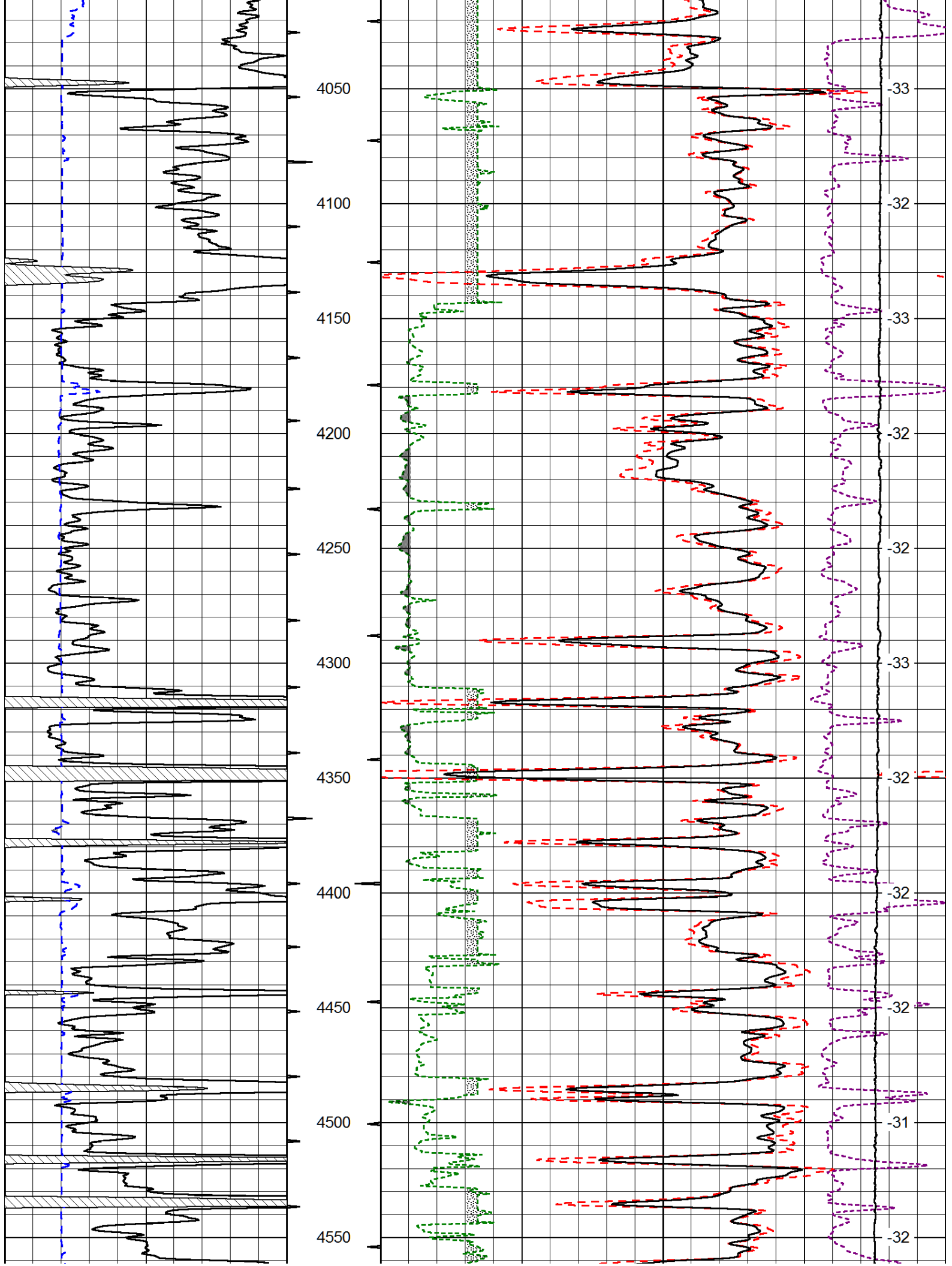
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

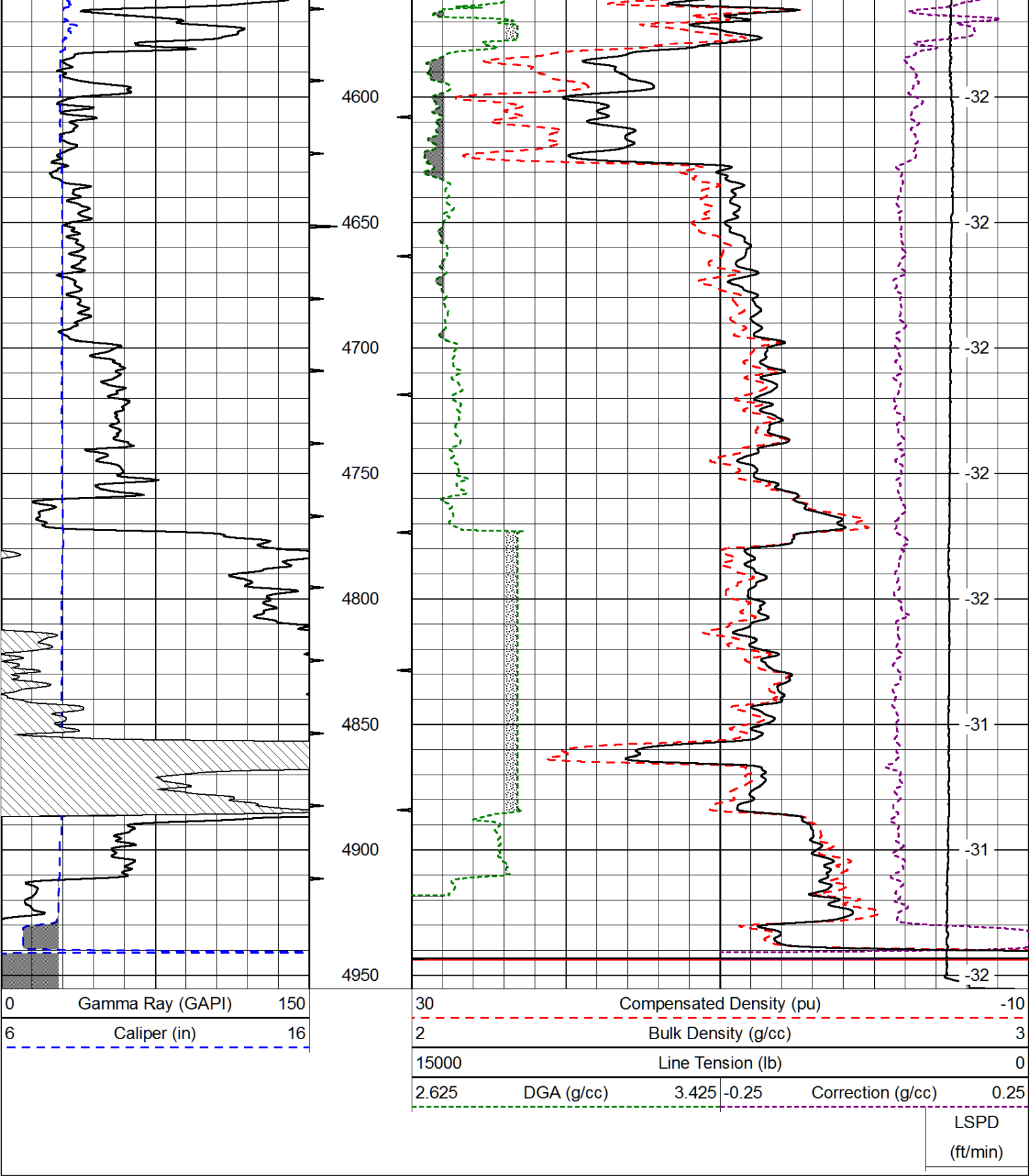
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
		Correction (g/cc)	0.25

LSPD
(ft/min)



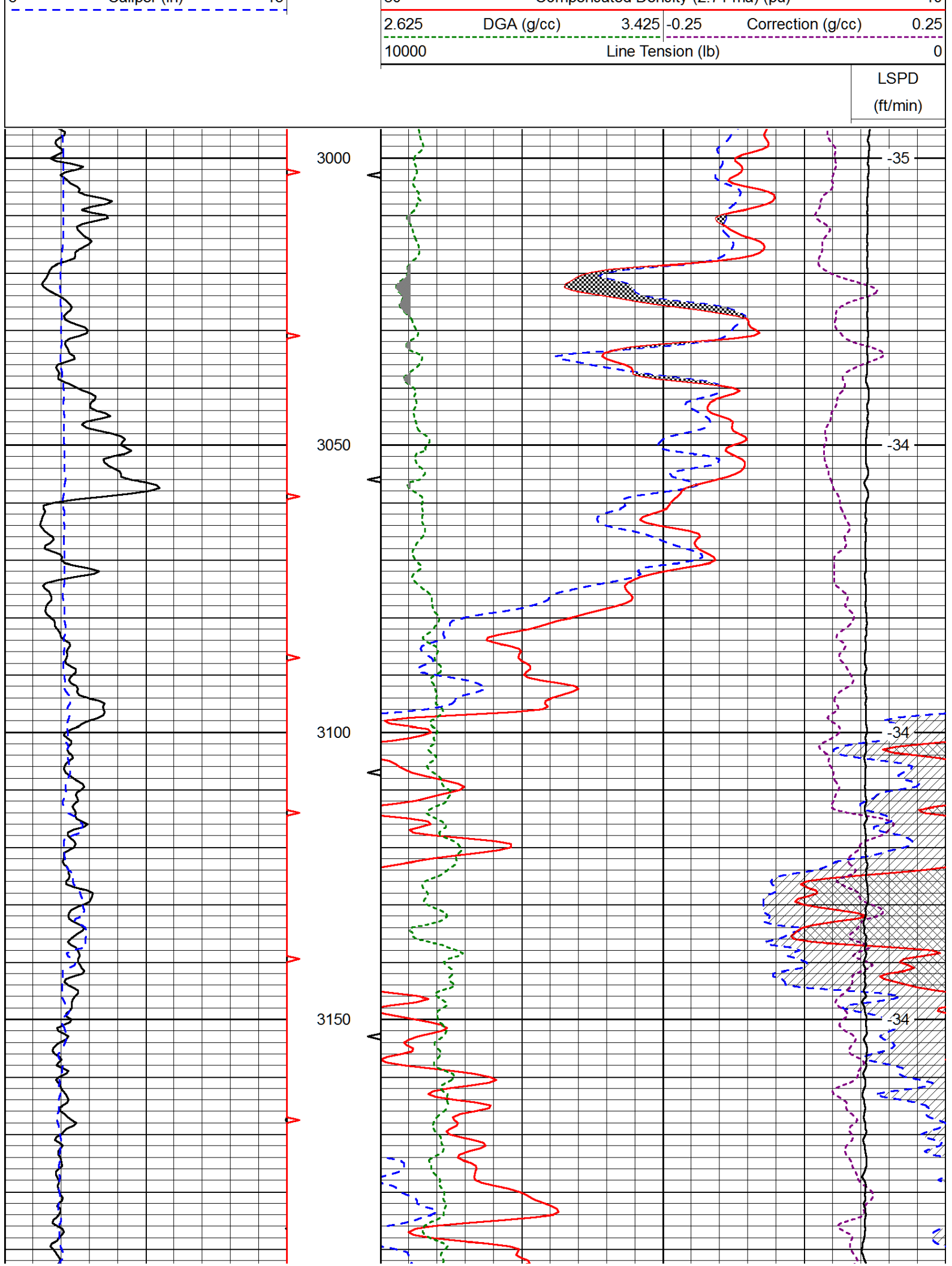


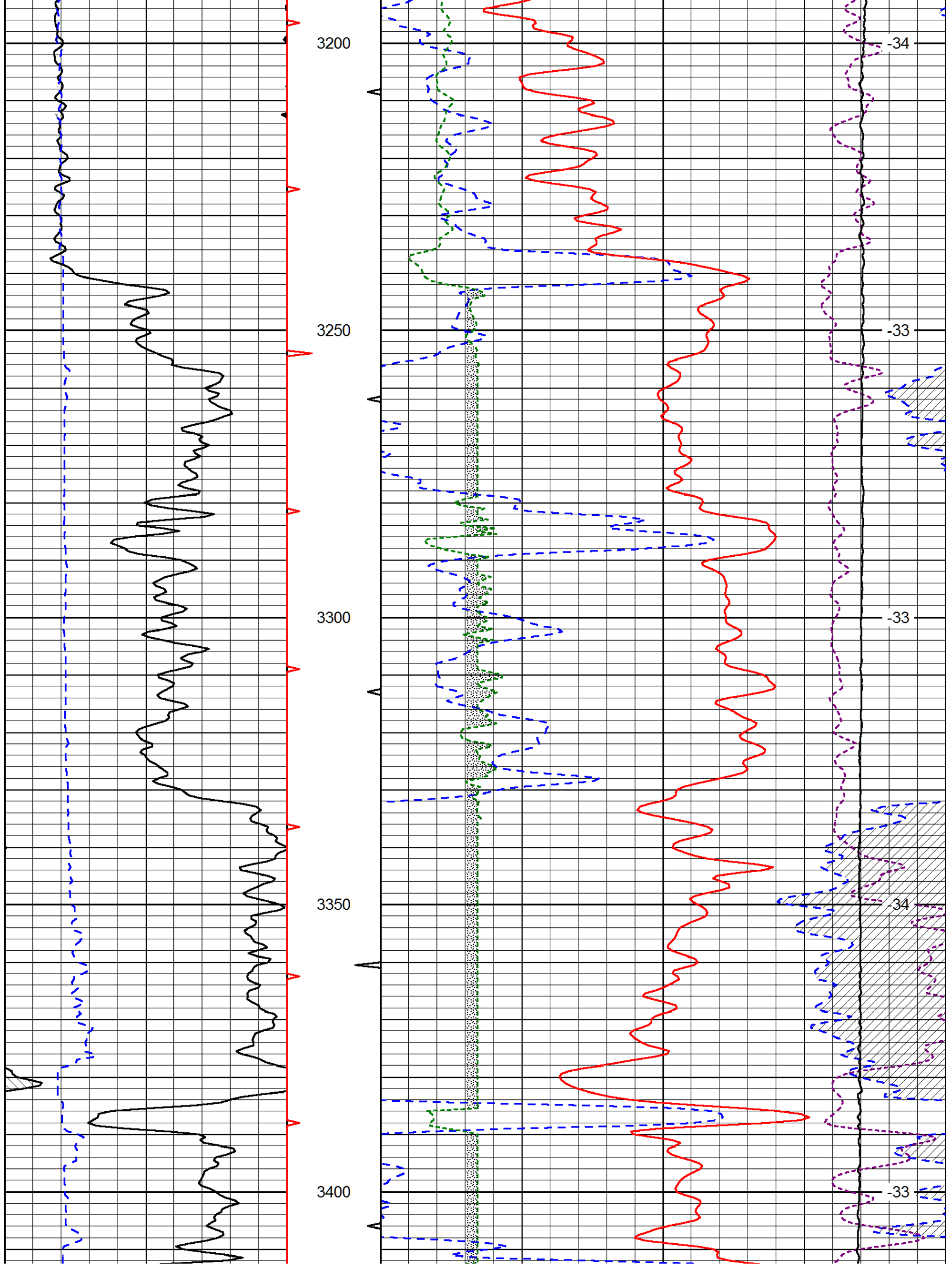


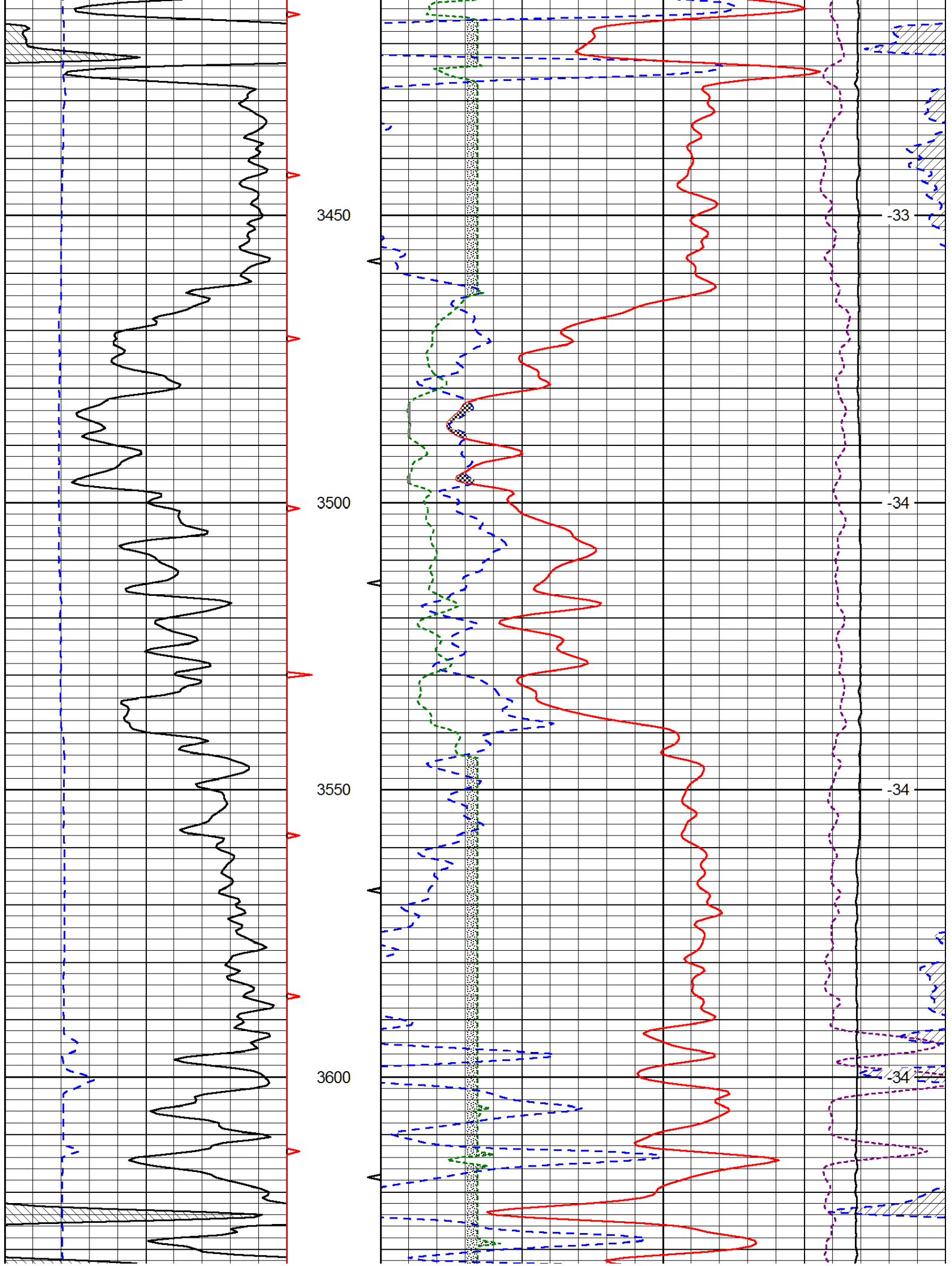


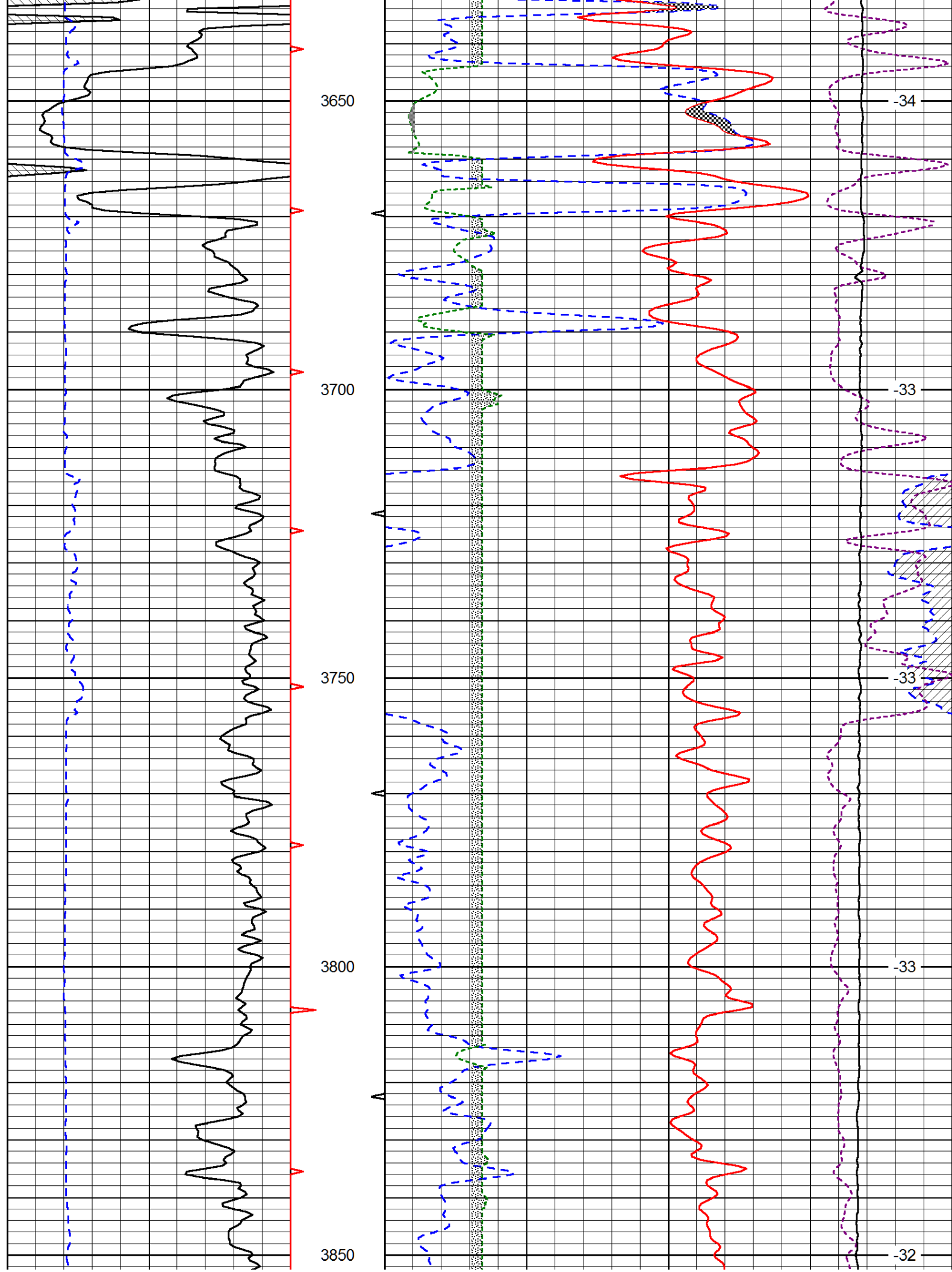
Database File: n10_hd.db
Dataset Pathname: dil/n10main
Presentation Format: cndlspec
Dataset Creation: Fri May 10 22:42:53 2013
Charted by: Depth in Feet scaled 1:240

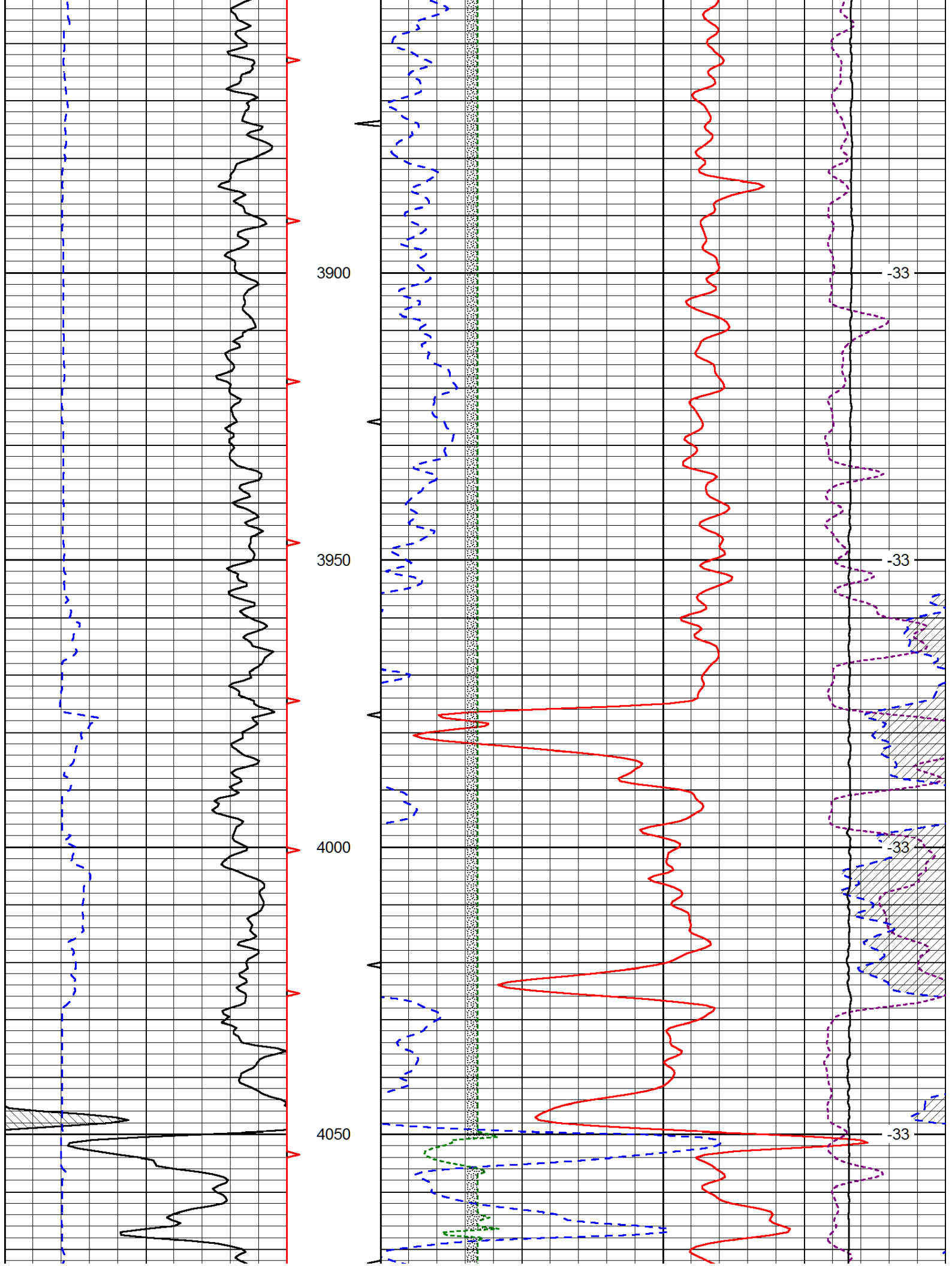


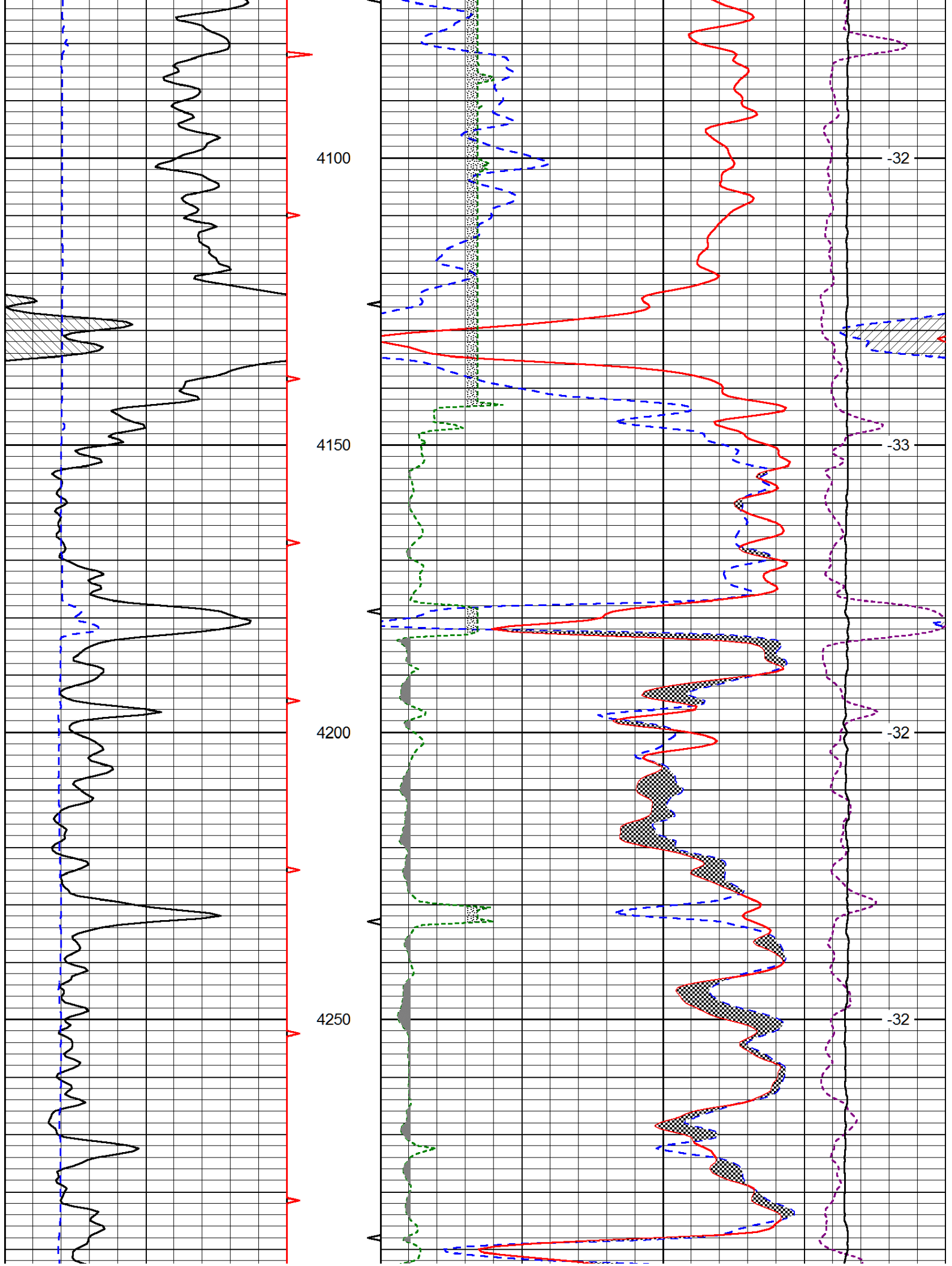


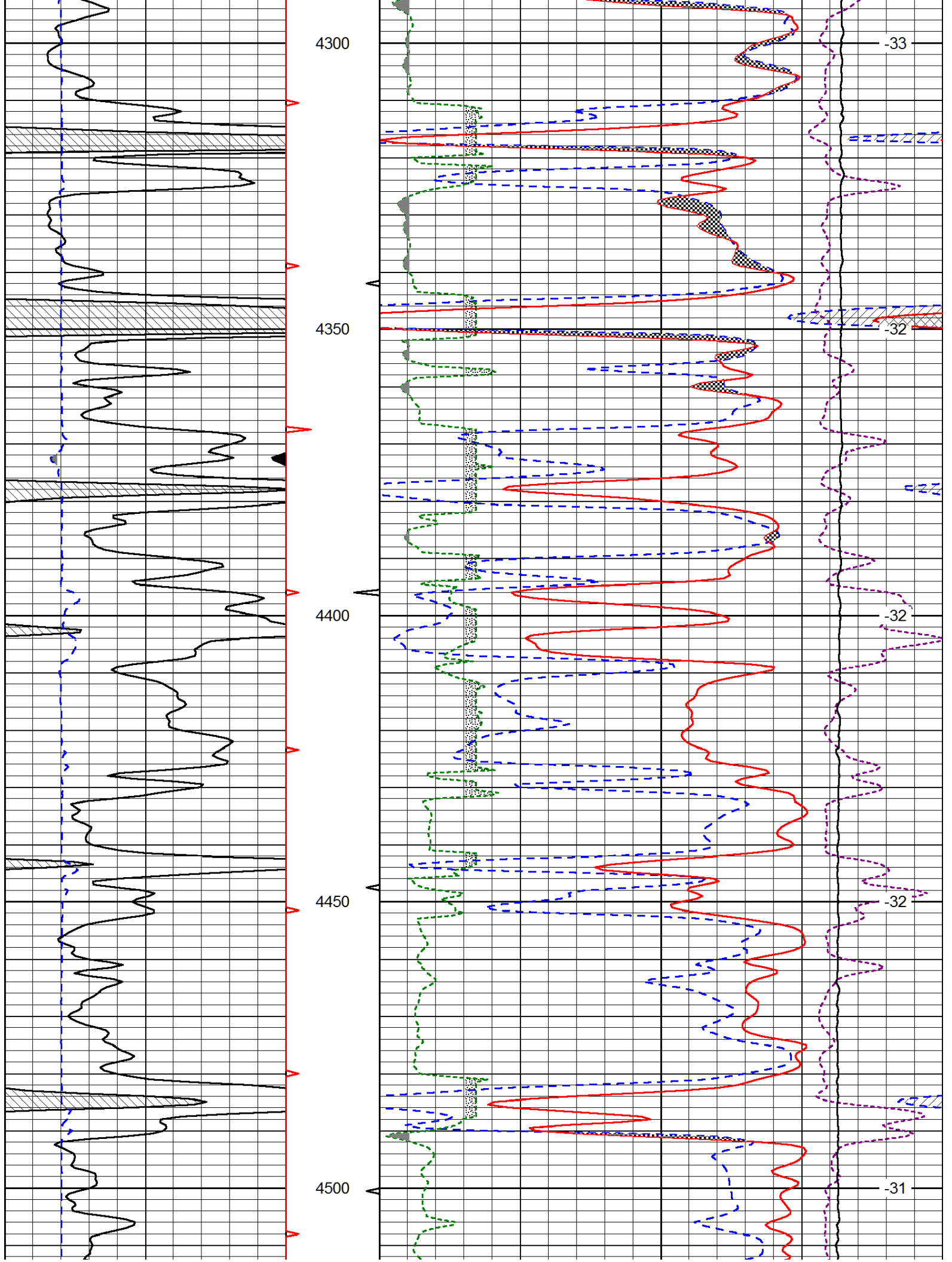


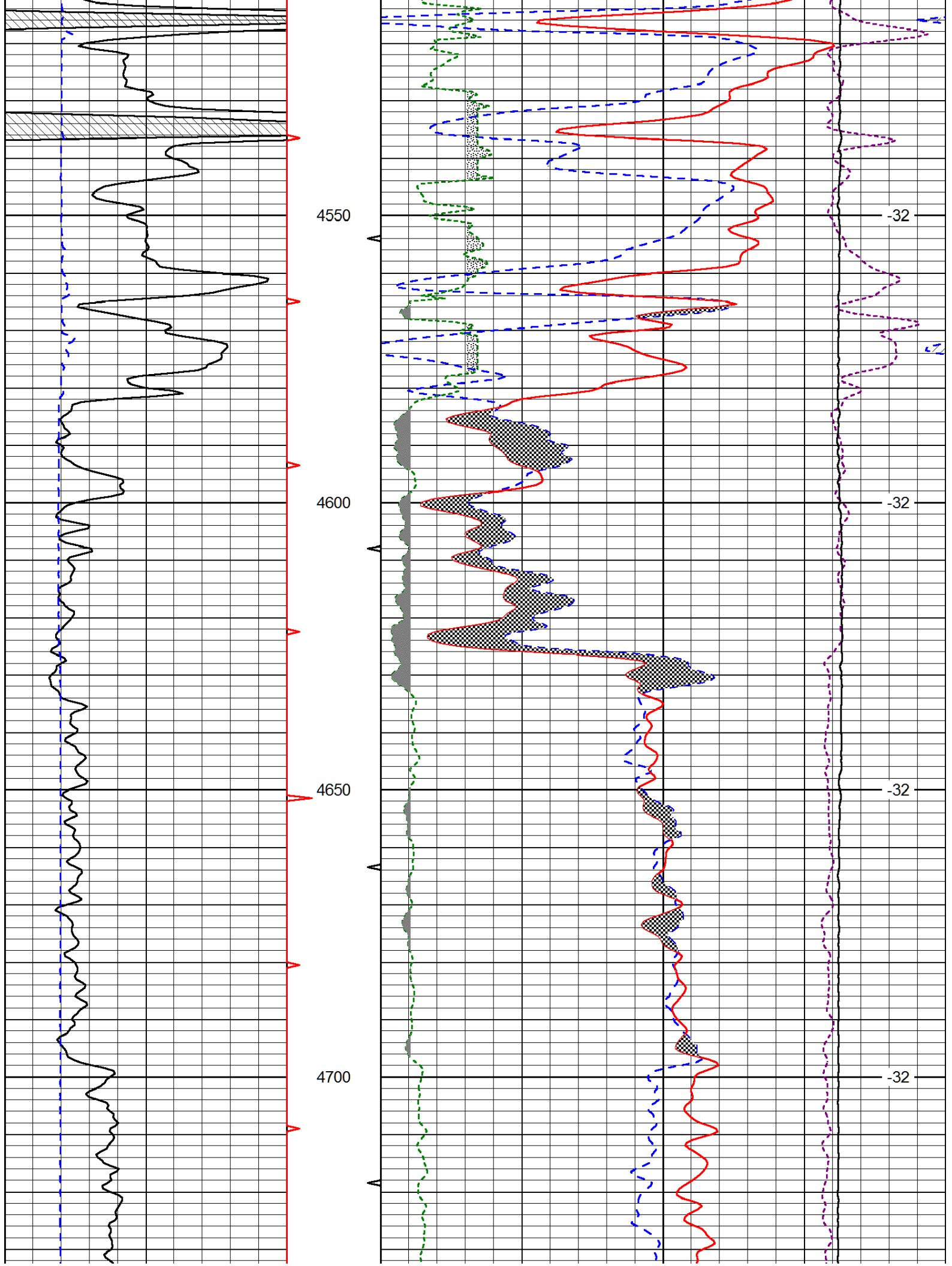


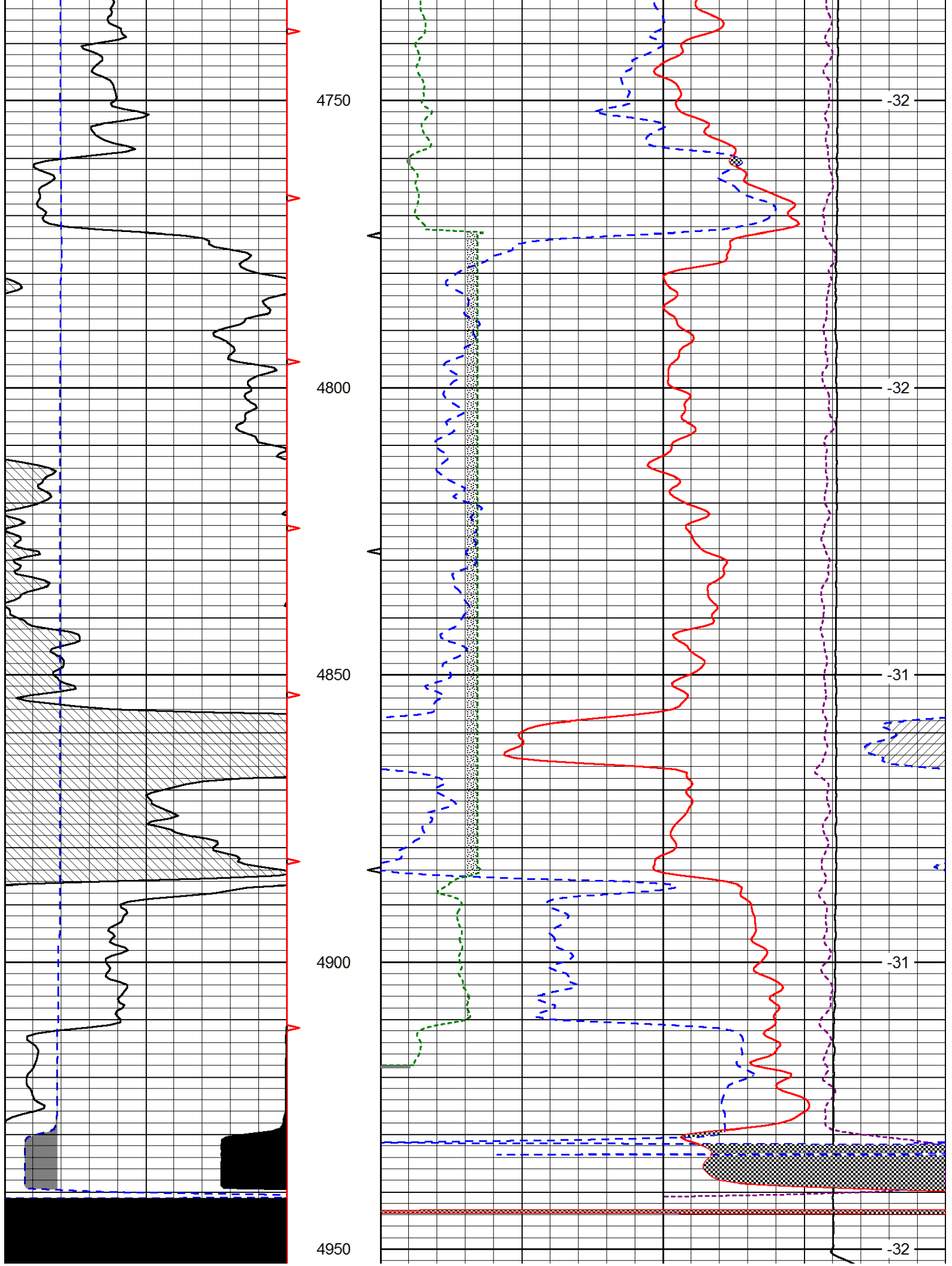












0	Gamma Ray (GAPI)	150	30	CNLS (pu)			-10
6	Caliper (in)	16	30	Compensated Density (2.71 ma) (pu)			-10
			2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)
			10000	Line Tension (lb)			0
							LSPD (ft/min)