



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-095-22286-00-00

Company Messenger Petroleum, Inc.

Well Molitor 'G' #1

Field Willowdale

County Kingman State Kansas

Location 330' FNL & 2310' FEL

Other Services
DIL/MEL

Sec: 14 Twp: 29S Rge: 9W

Elevation

Permanent Datum Ground Level Elevation 1700
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1709
D.F.
G.L. 1700

Date 6/2/2014

Run Number One

Type Log CNL / CDL

Depth Driller 4552

Depth Logger 4551

Bottom Logged Interval 4549

Top Logged Interval 2350

Type Fluid In Hole Chemical

Salinity, PPM CL 4000

Density 9.4

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 4 Hours

Equipment -- Location 91 Hays

Recorded By D. Schmidt

Witnessed By Jon Messenger

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

One 12.25 00 222 8.625 23# 00 222

Two 7.875 222 TD

<<< Fold Here >>>

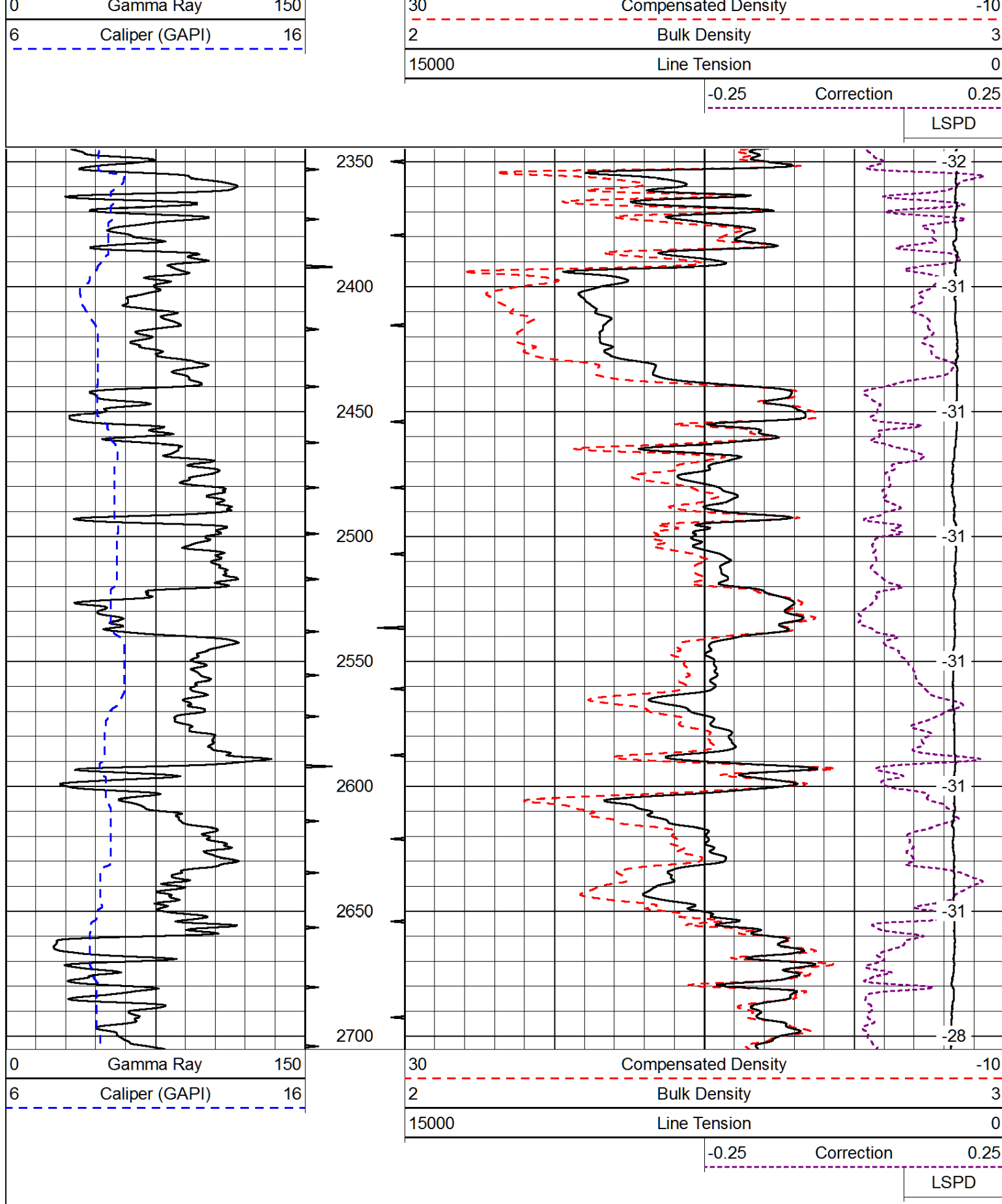
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Zenda,
6 North to 80 Rd, 1/2 East,
South into

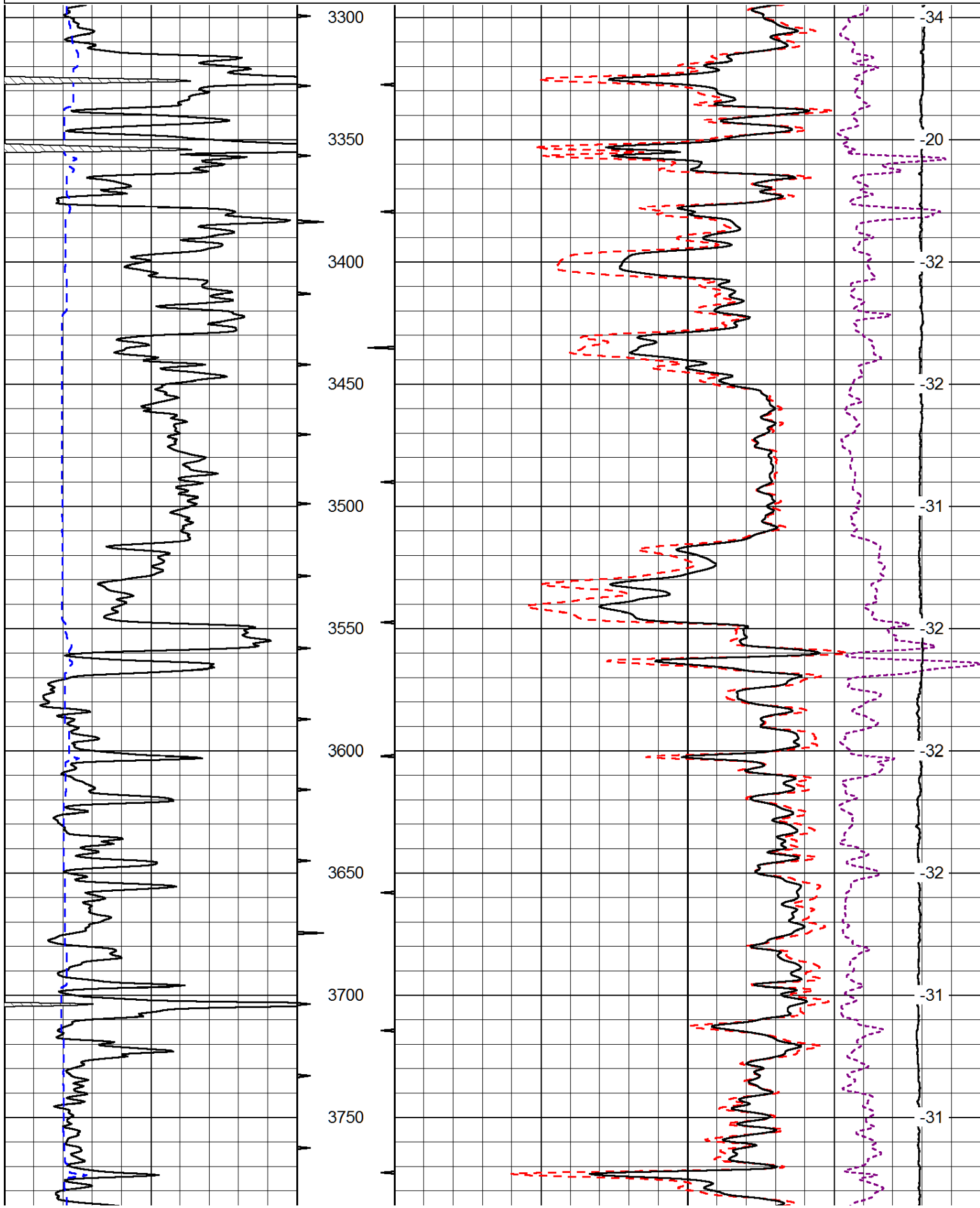
Database File: messenger_molitor_g_1hd.db
Dataset Pathname: dil/mestkml
Presentation Format: cdl
Dataset Creation: Tue Jun 03 03:36:28 2014
Charted by: Depth in Feet scaled 1:600

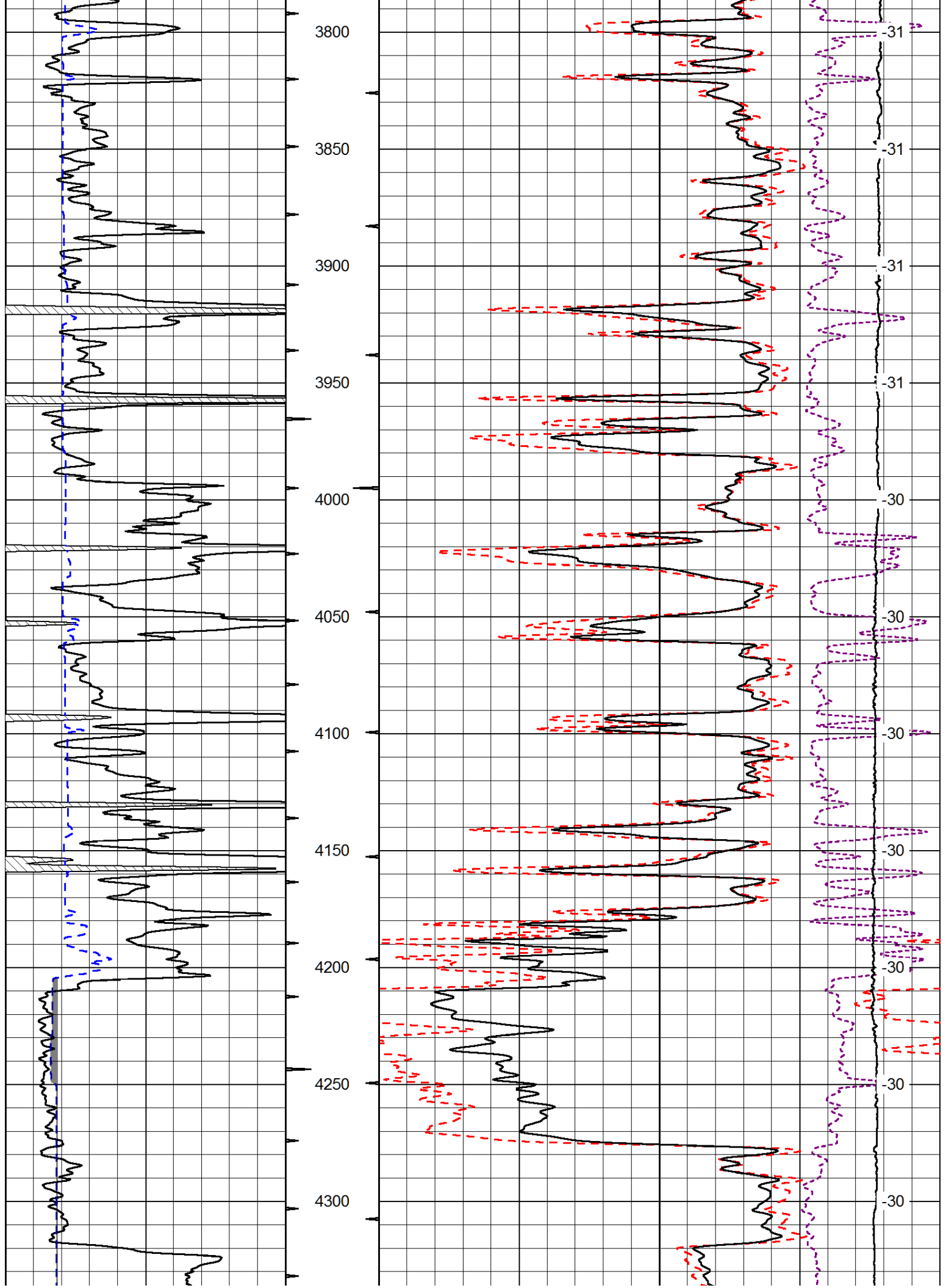


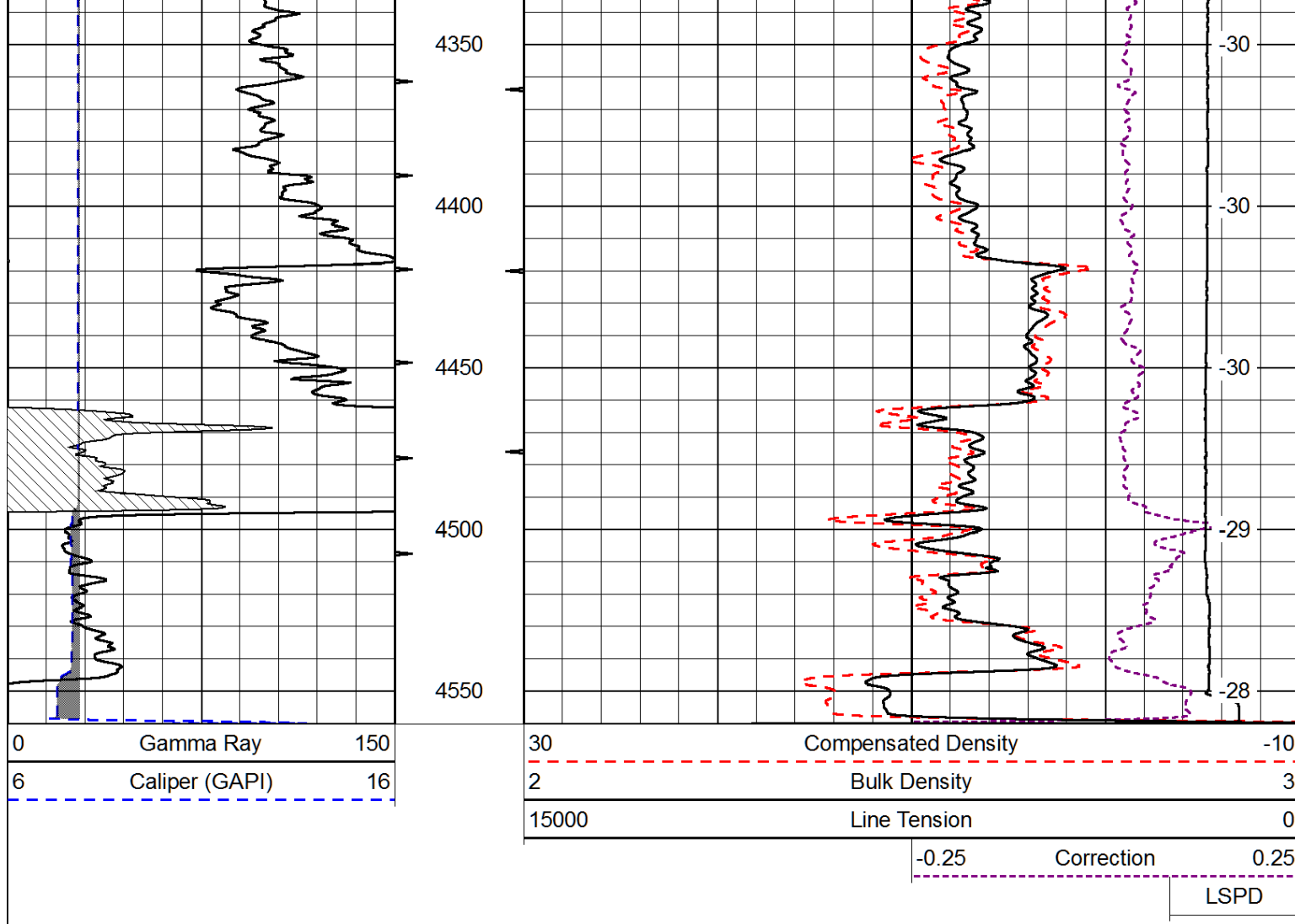
Database File: messenger_molitor_g_1hd.db
Dataset Pathname: dil/mestkml
Presentation Format: cdl
Dataset Creation: Tue Jun 03 03:36:28 2014
Charted by: Depth in Feet scaled 1:600

Gamma Ray		150
6	Caliper (GAPI)	16

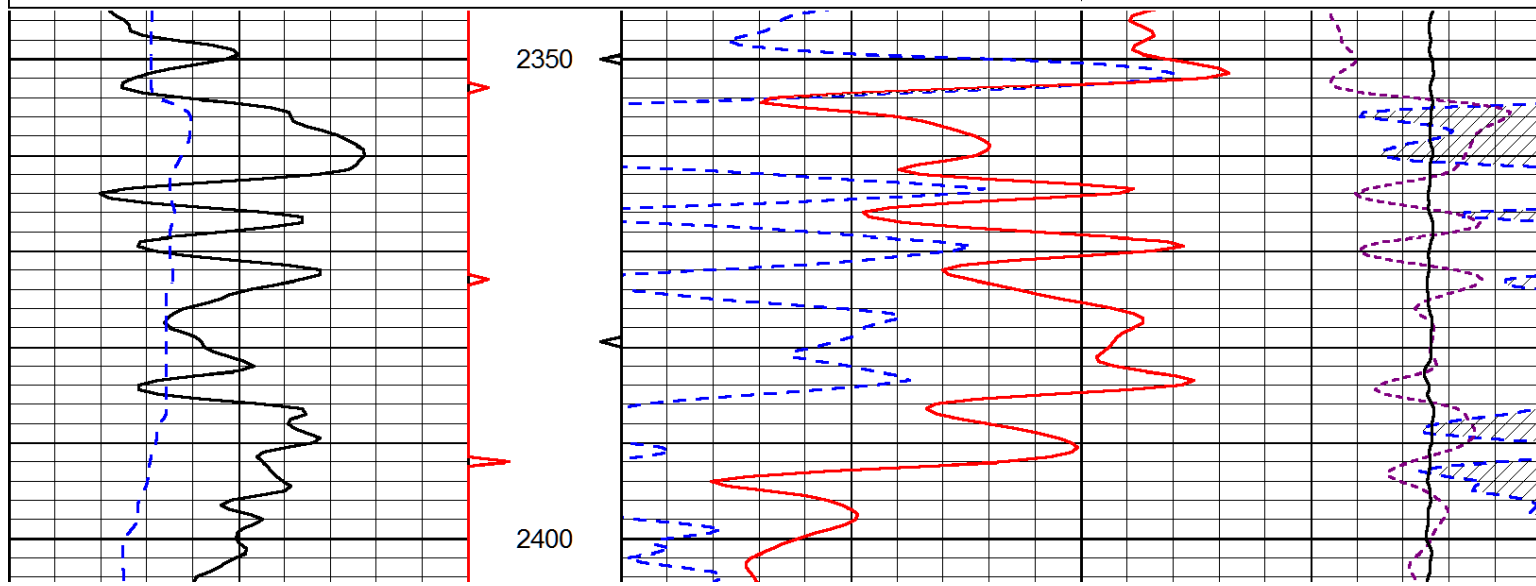
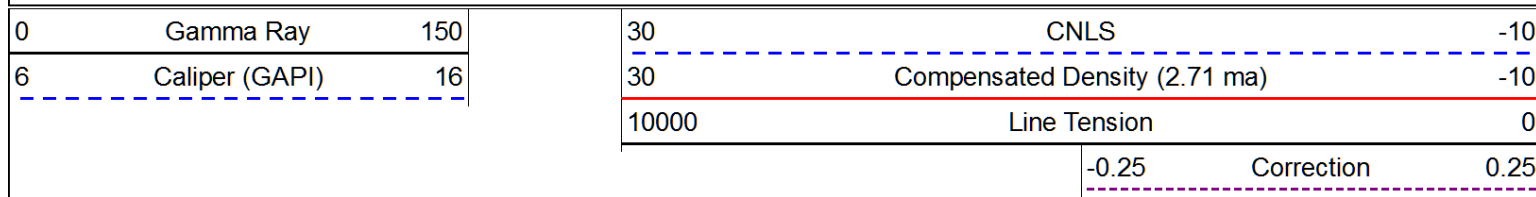
Compensated Density		-10
2	Bulk Density	3
Line Tension		0
15000		
-0.25		Correction
		0.25
		LSPD

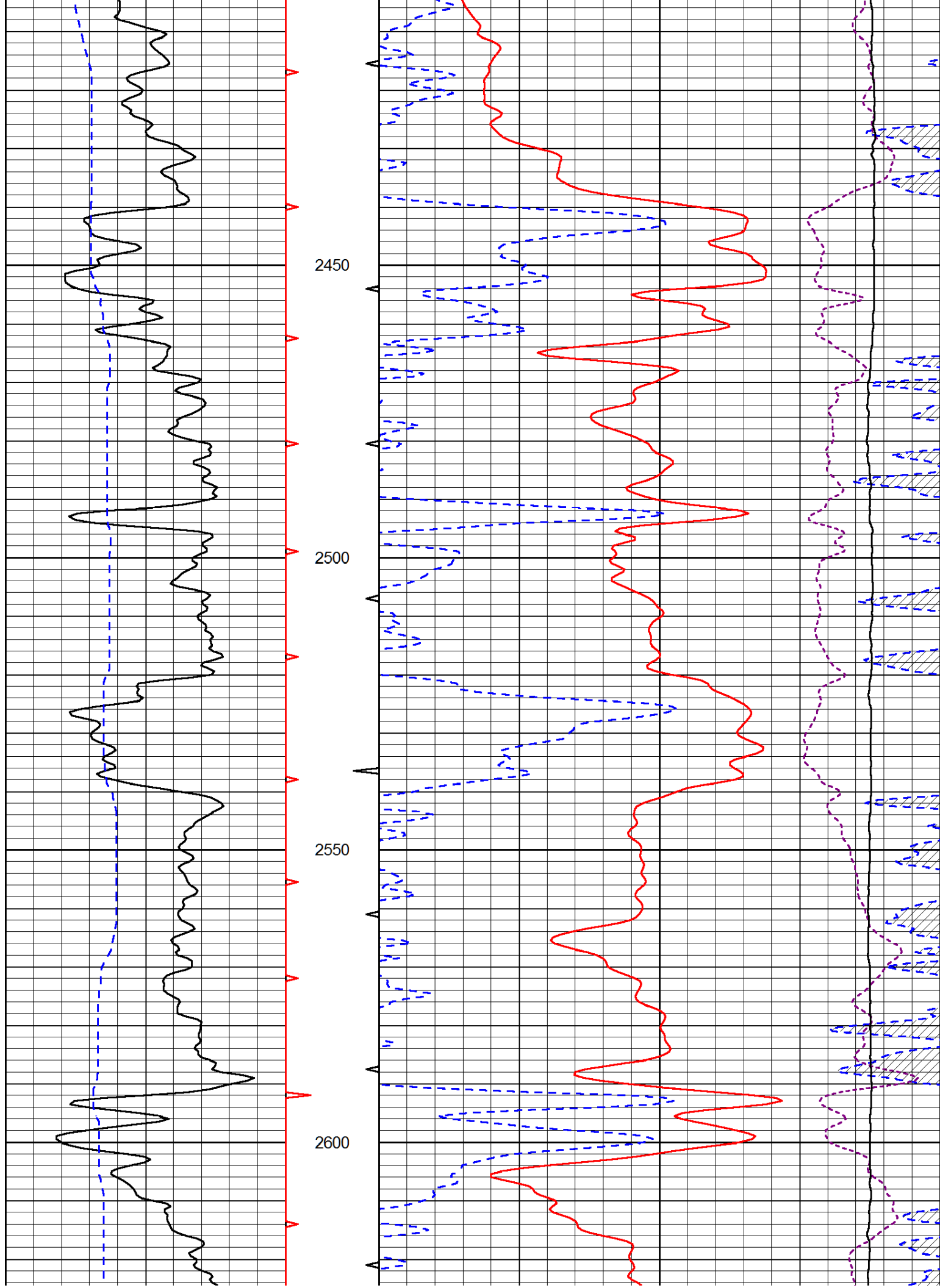


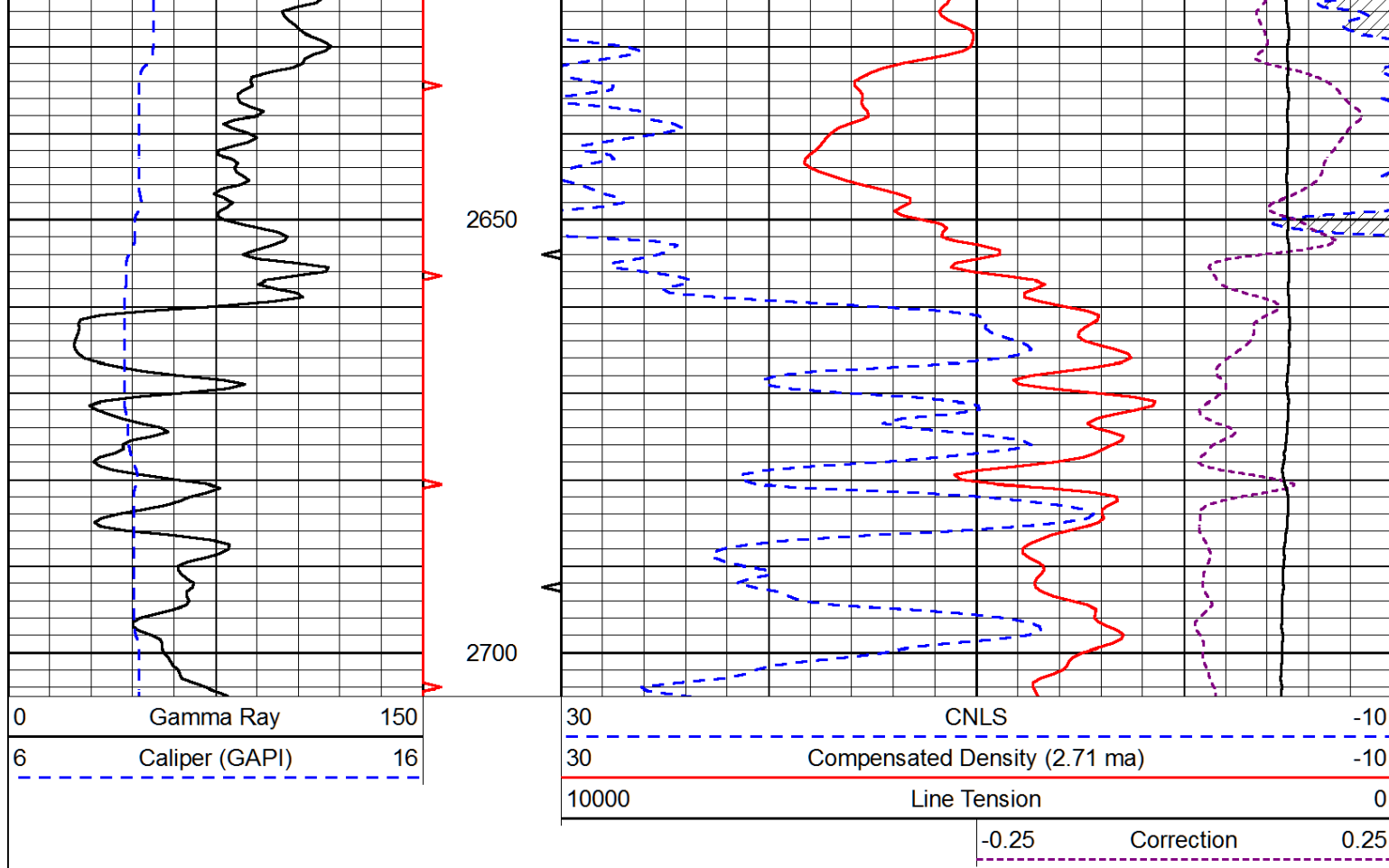




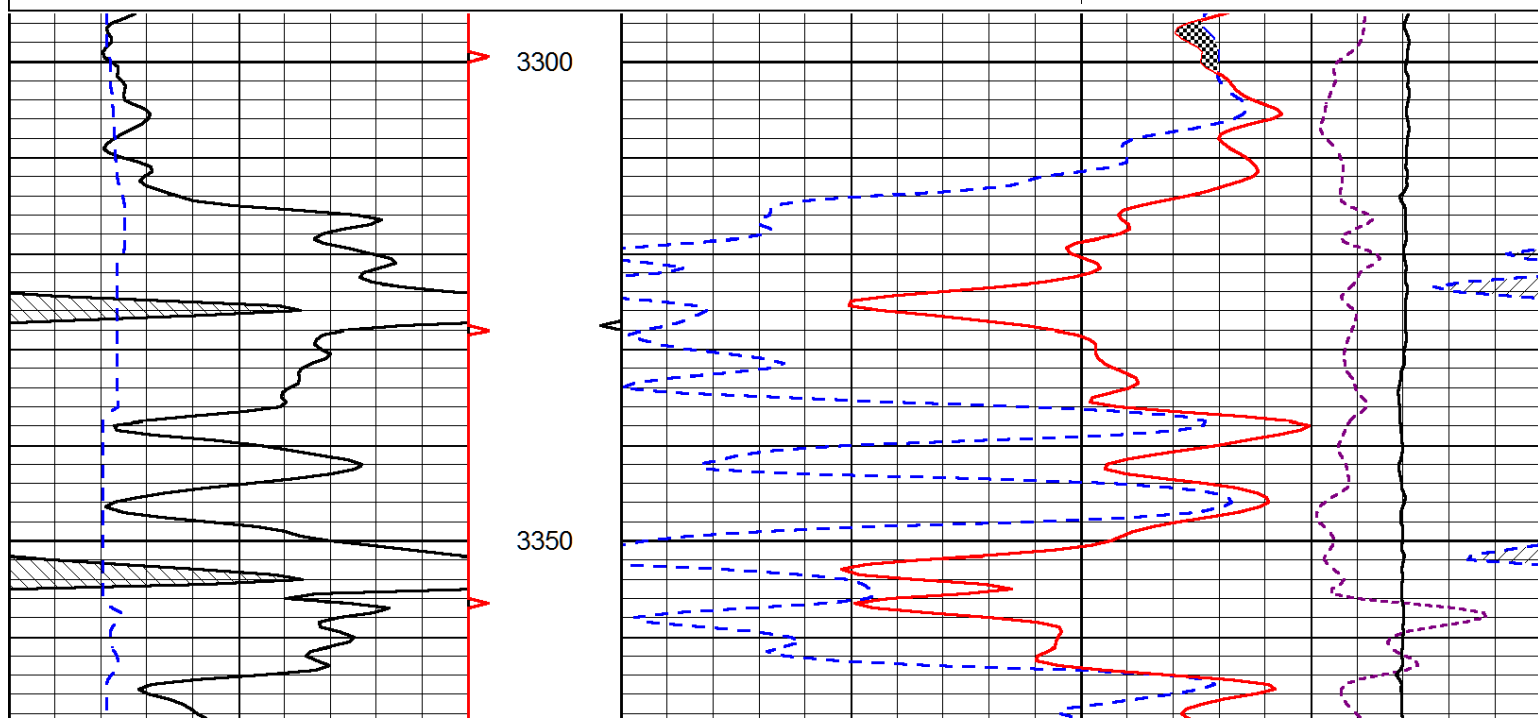
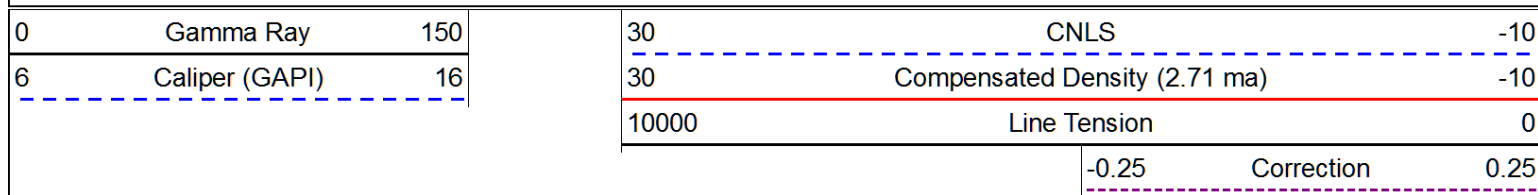
Database File: messenger_molitor_g_1hd.db
 Dataset Pathname: dil/mestkml
 Presentation Format: cndlspec
 Dataset Creation: Tue Jun 03 03:36:28 2014
 Charted by: Depth in Feet scaled 1:240

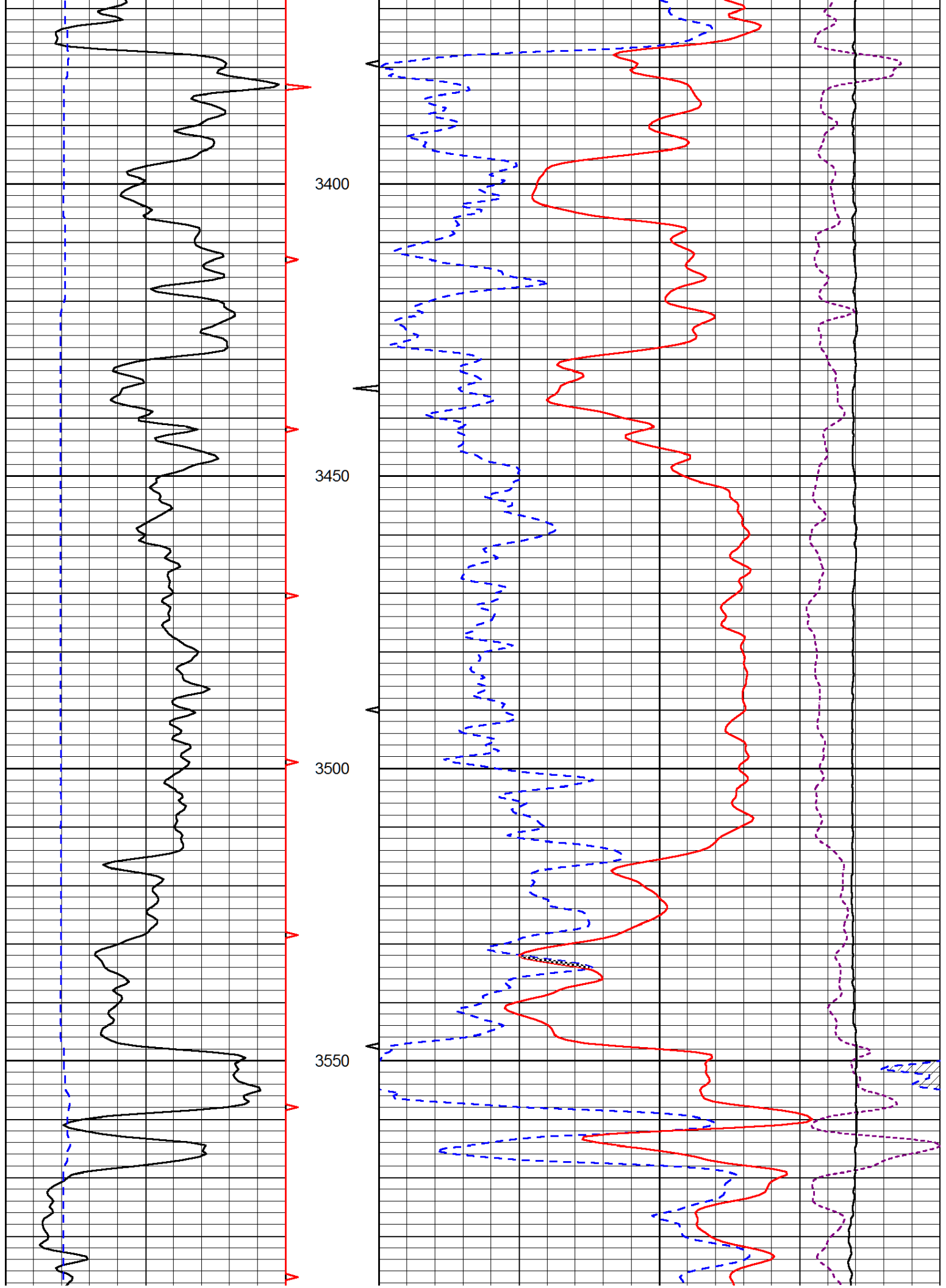


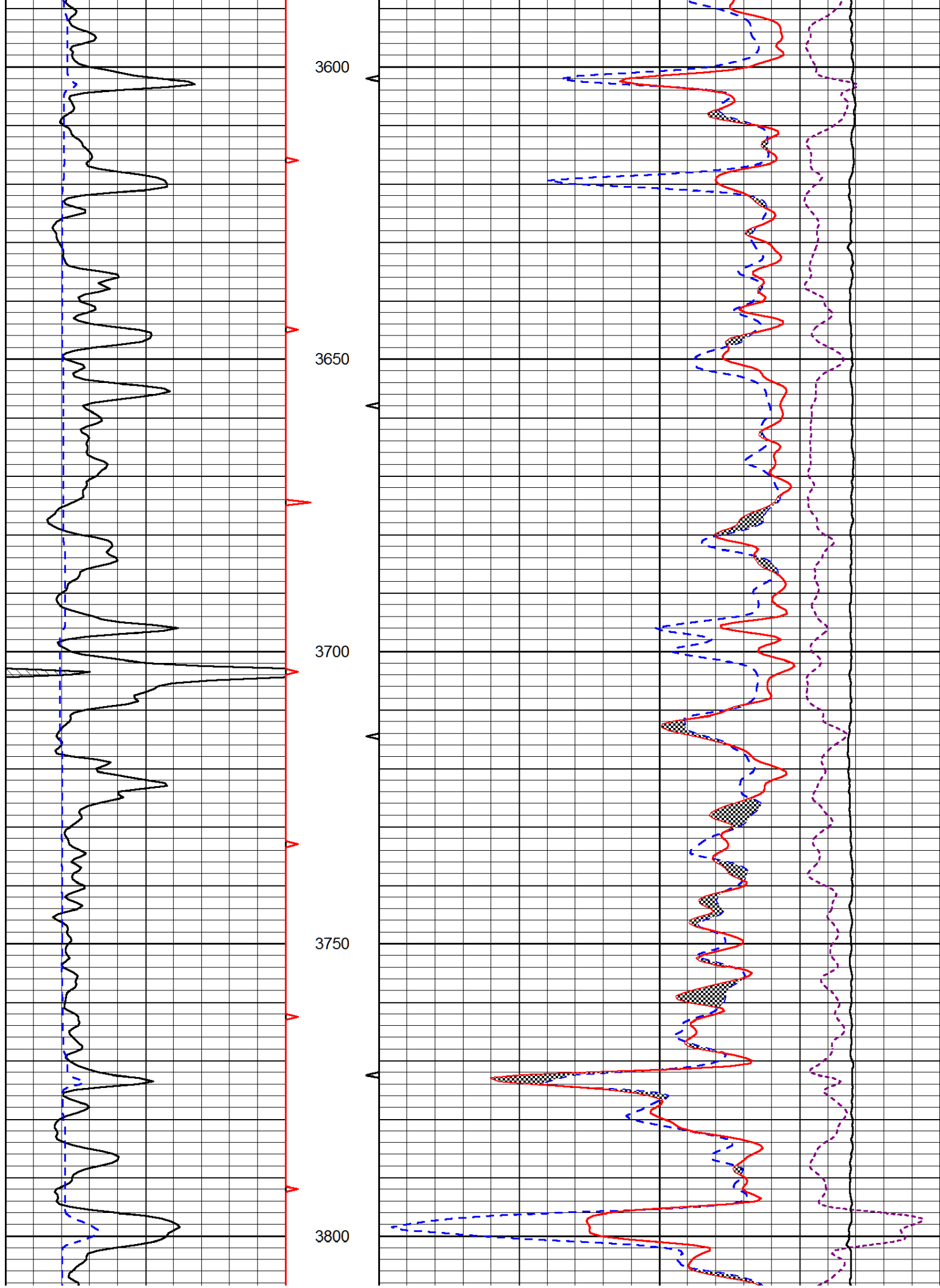


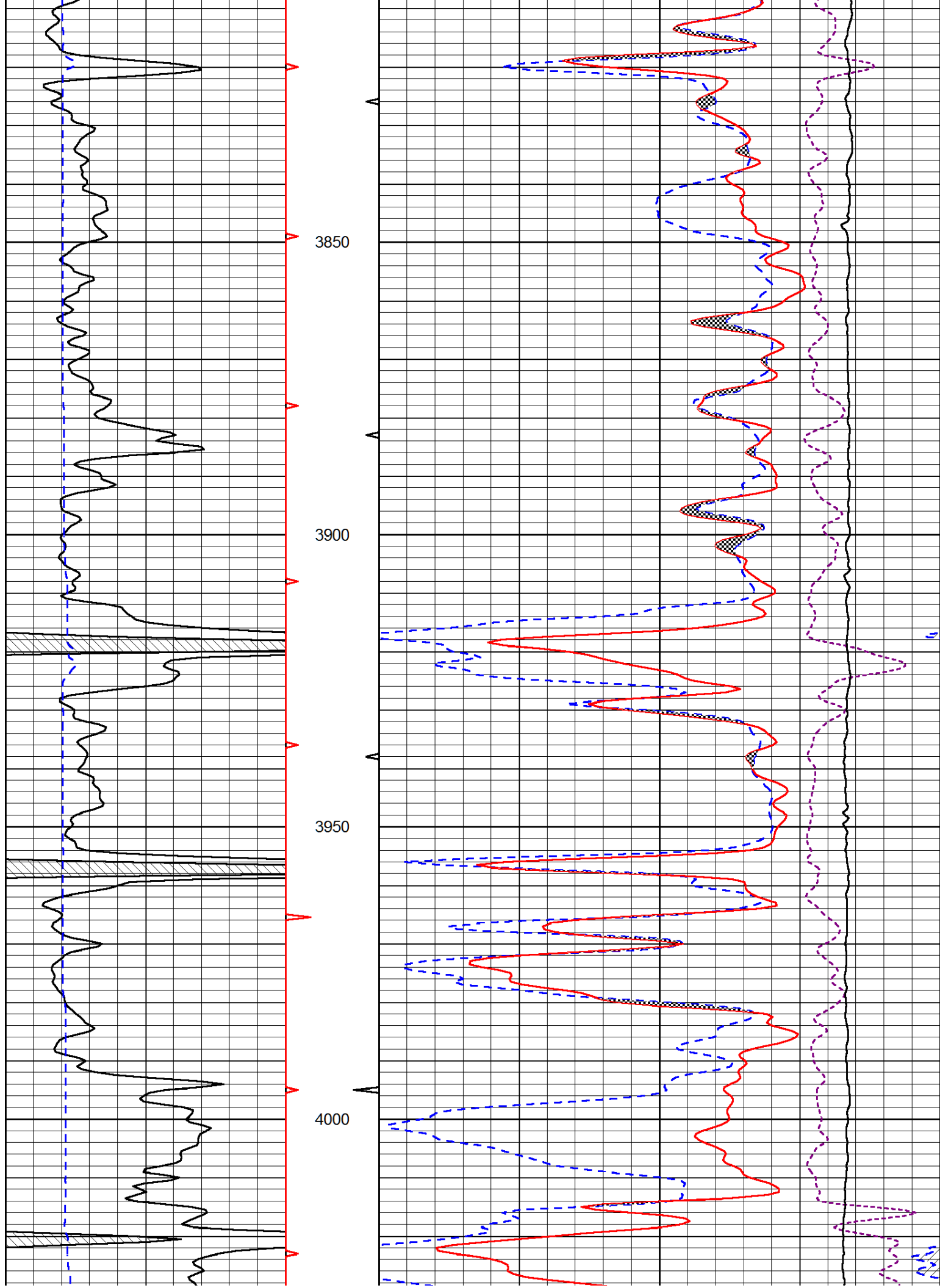


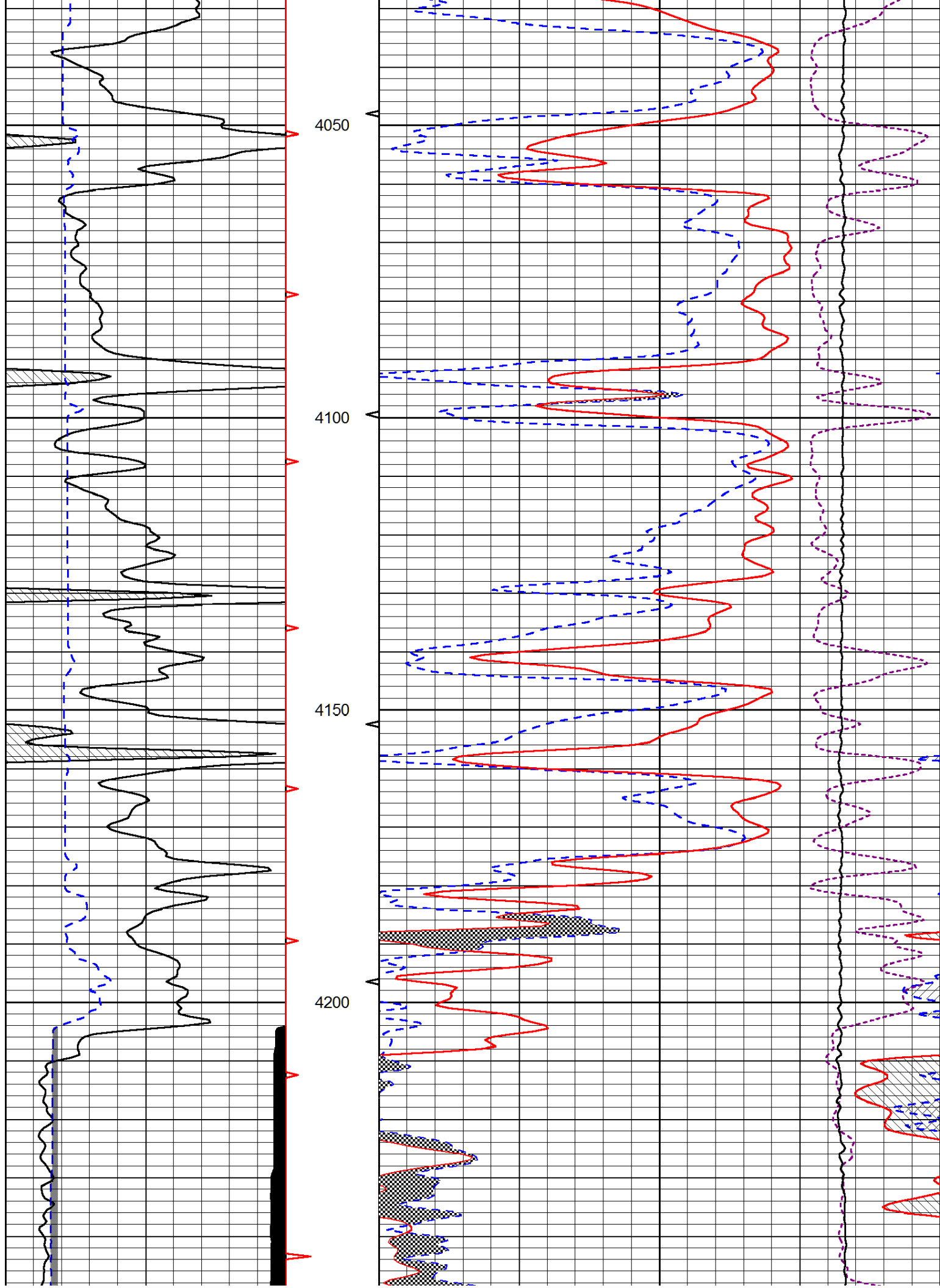
Database File: messenger_molitor_g_1hd.db
Dataset Pathname: dil/mestkml
Presentation Format: cndlspec
Dataset Creation: Tue Jun 03 03:36:28 2014
Charted by: Depth in Feet scaled 1:240

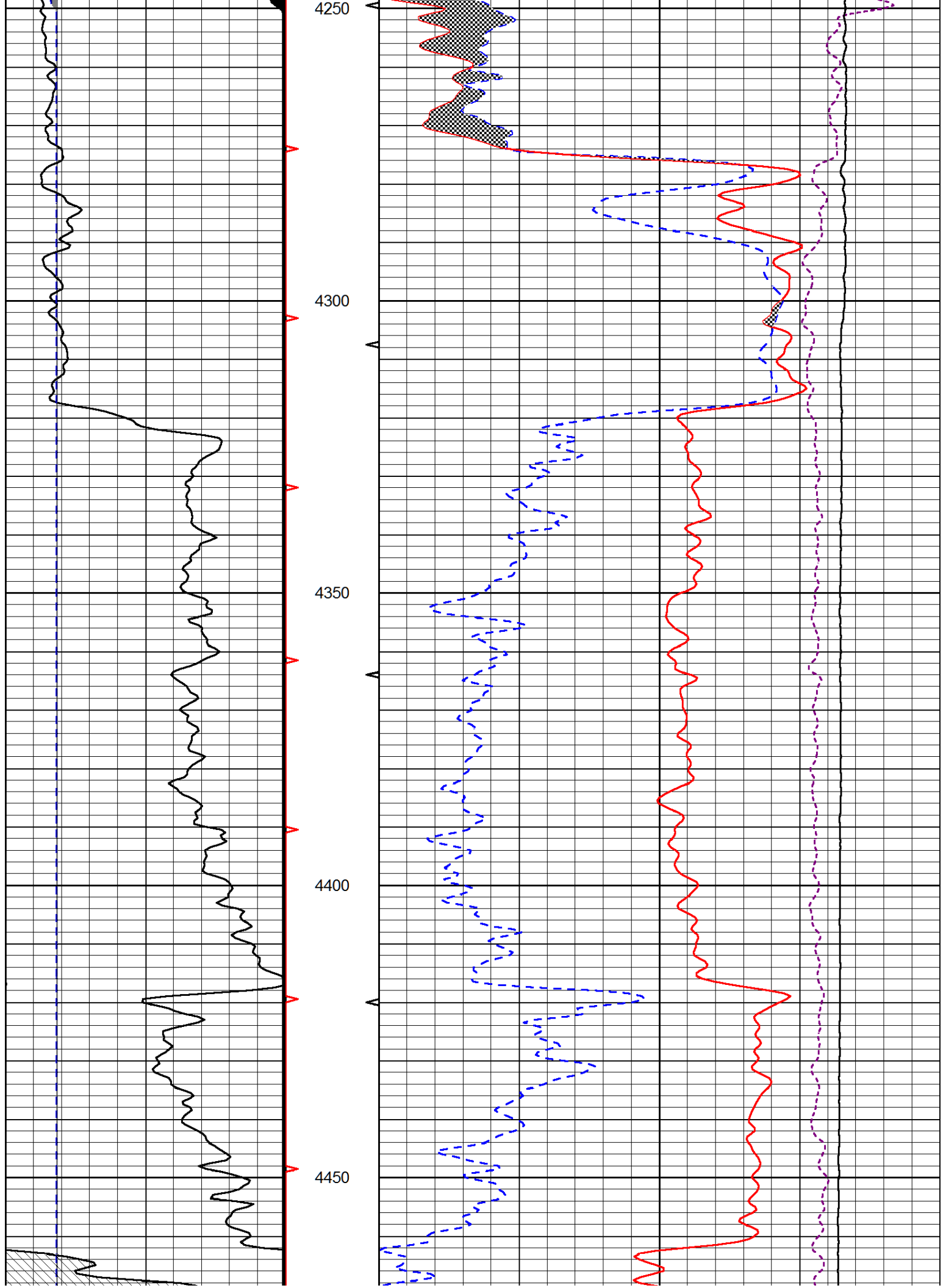


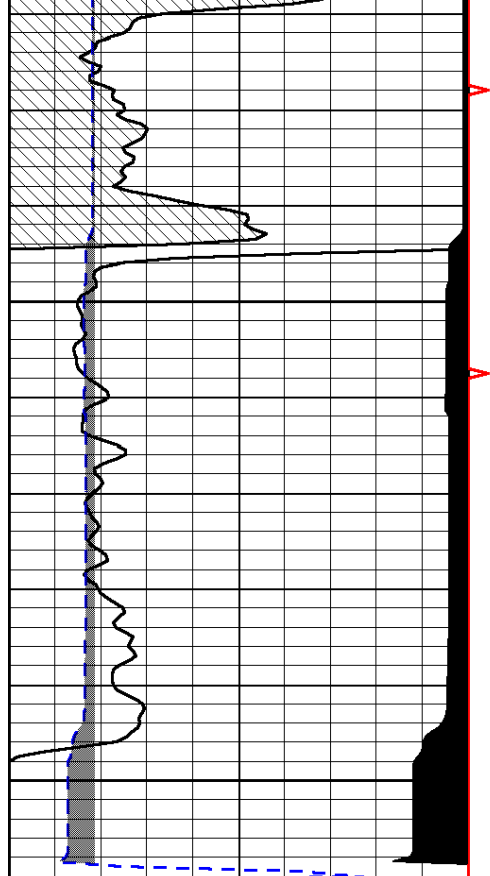








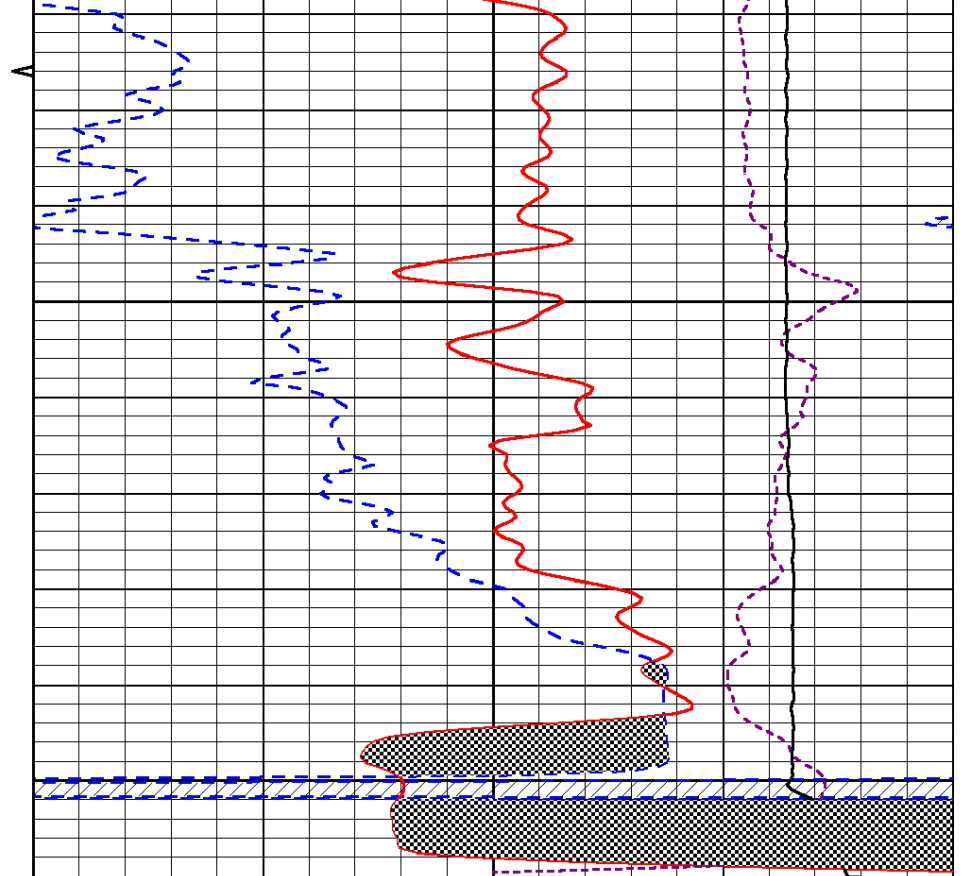




4500

4550

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