



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-24,252-00-00

Company Indian Oil Company, Inc.

Well Banks SWD #1

Field Amber Creek

County Barber

State Kansas

Location

SW SW NW
2970' FSL & 330' FWL

Other Services
DIL

Sec: 36

Twp: 30S

Rge: 12W

Permanent Datum

Ground Level

Elevation 1638.5

K.B. 1650.5
D.F. 1638.5
G.L. 1638.5

Log Measured From

Kelly Bushing

12 Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

Date

11/18/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

5314

Depth Logger

5314

Bottom Logged Interval

5293

Top Logged Interval

3200

Type Fluid In Hole

Chemical

Salinity, PPM CL

3200

Density

9.2

Level

Full

Max. Rec. Temp. F

129

Operating Rig Time

2 1/2 Hours

Equipment -- Location

15 Hays

Recorded By

D.Kerr

Witnessed By

Scott Alberg

Borehole Record

From

To

Size

Wgt.

23#

From

To

00

260

Run No

Bit

From

To

Size

Wgt.

23#

From

To

00

260

One

12.25

00

260

8.625

23#

00

260

260

Two

7.875

260

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, North to Resort RD,
1 East and North, East Into

Database File: indian_banksswd_1hd.db

Dataset Pathname: DIL/indstk

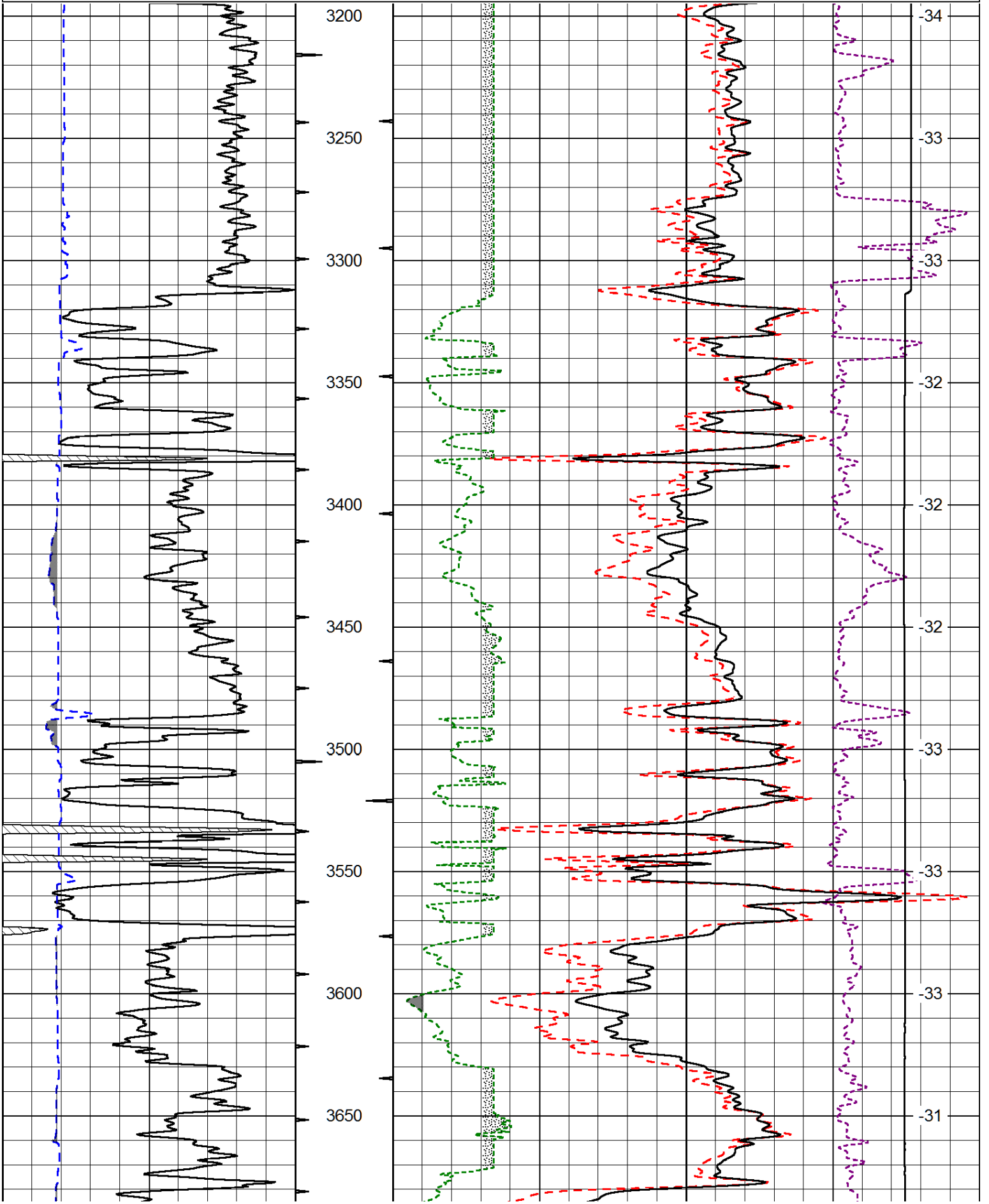
Presentation Format: cdl

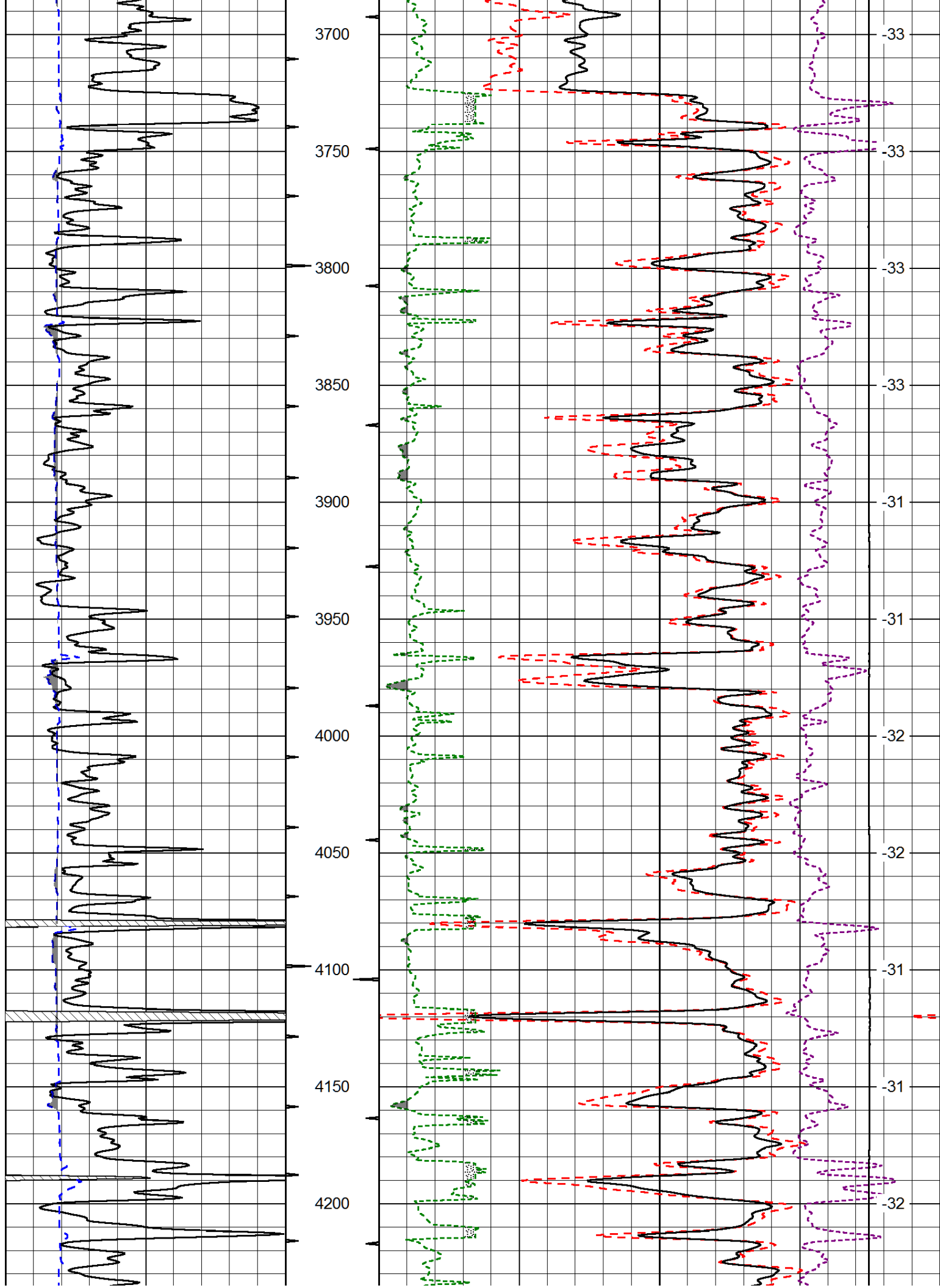
Dataset Creation: Tue Nov 18 08:19:10 2014

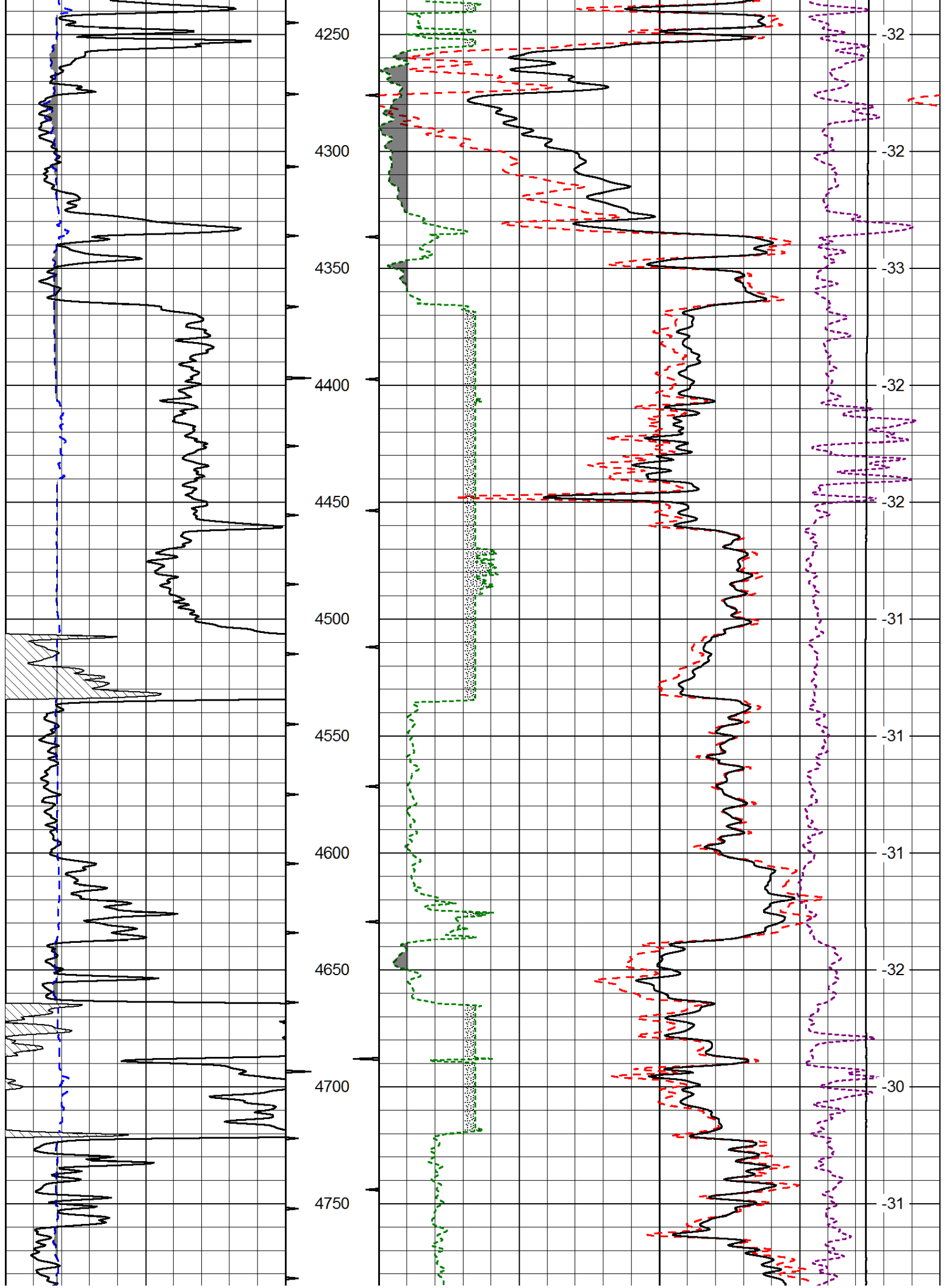
Charted by: Depth in Feet scaled 1:600

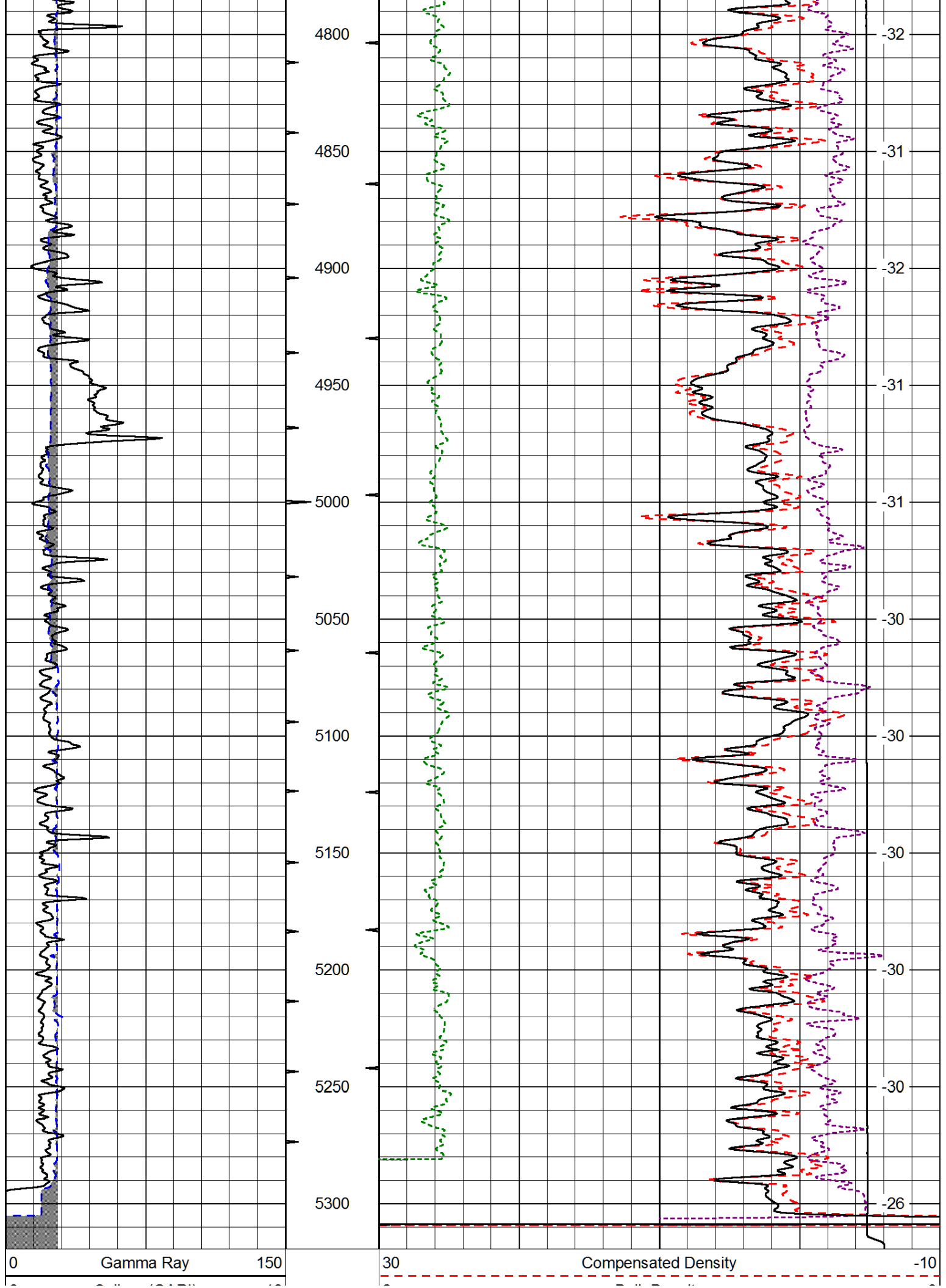
0	Gamma Ray	150
6	Caliper (GAPI)	16

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



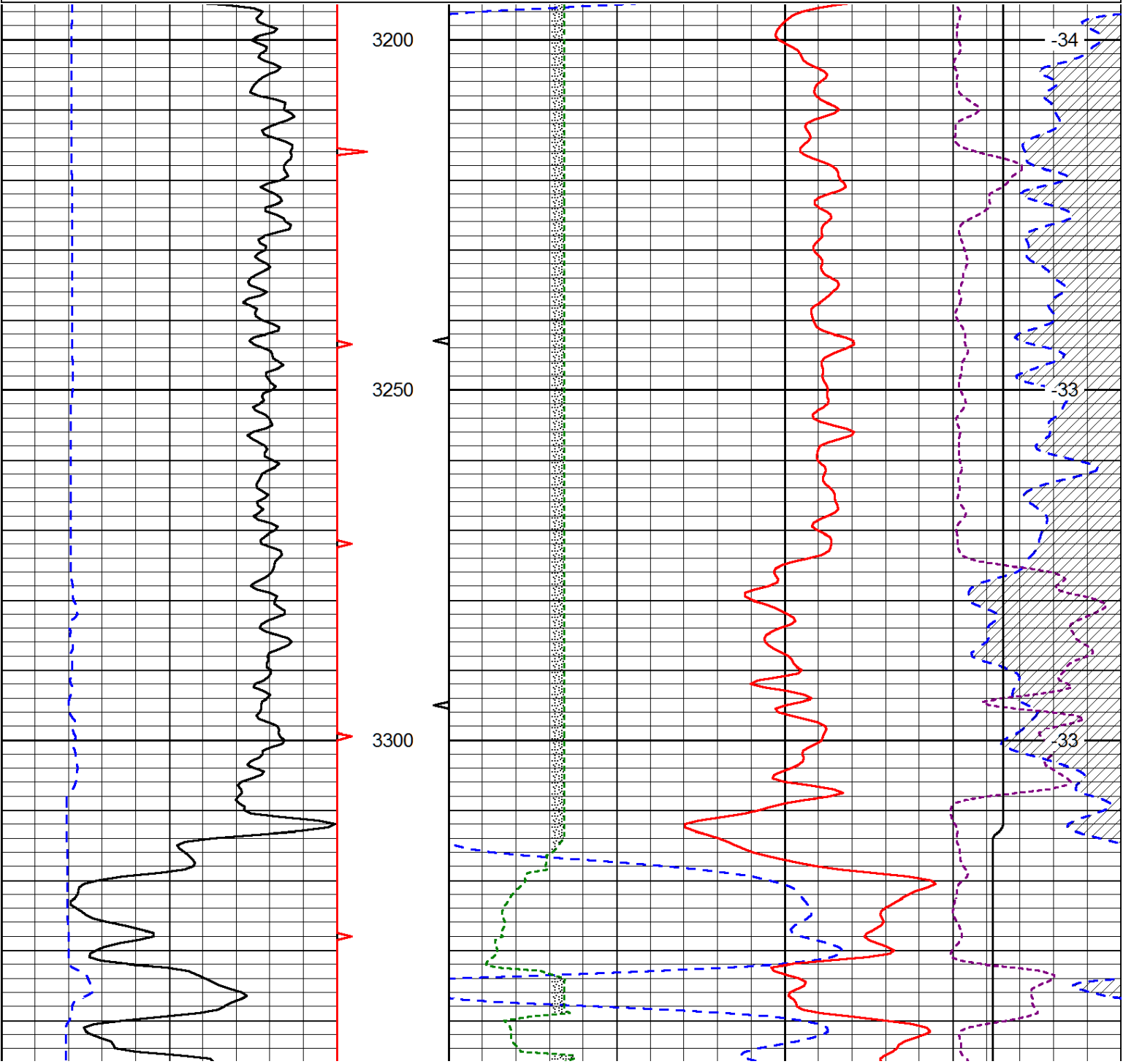


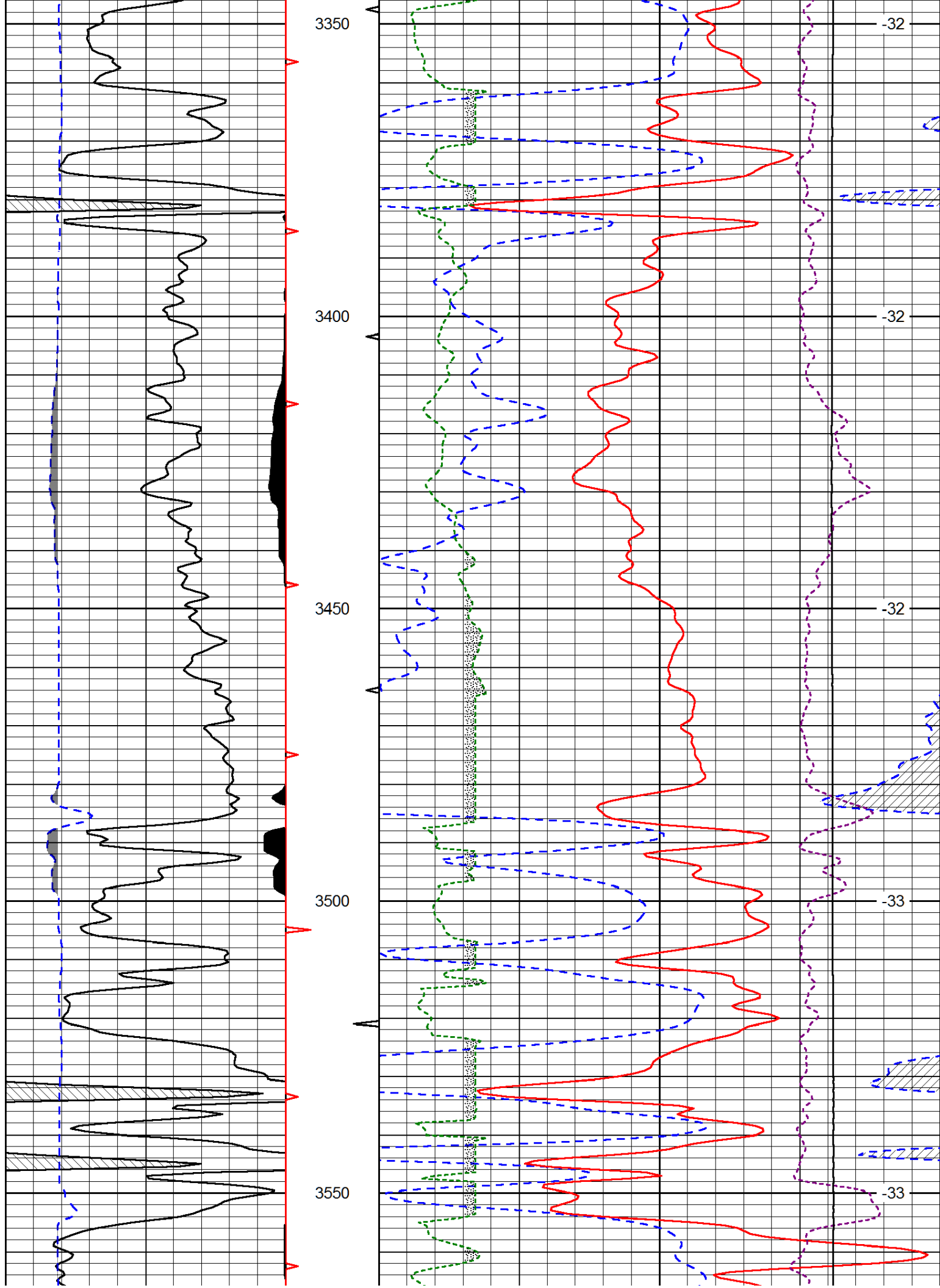


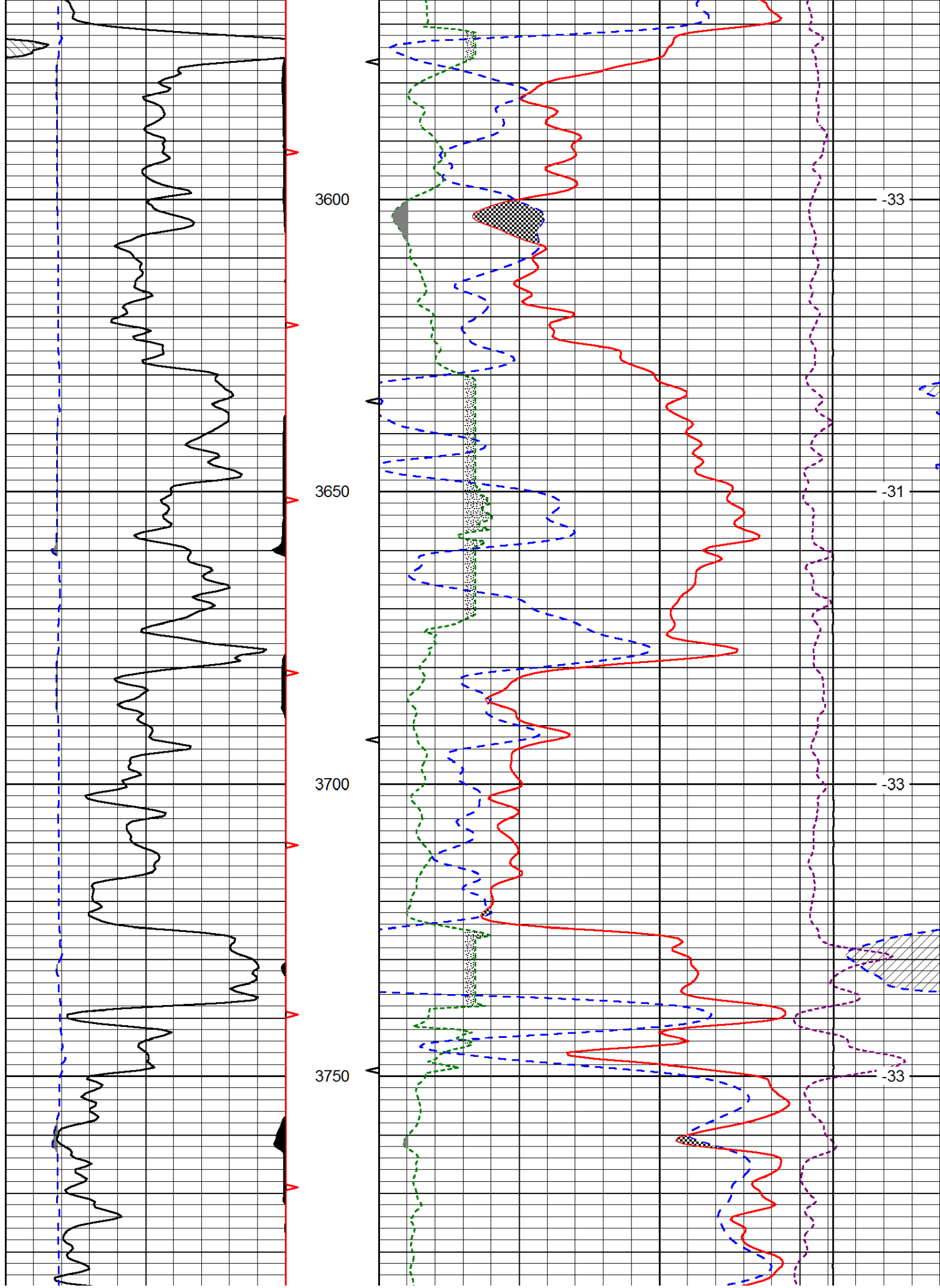


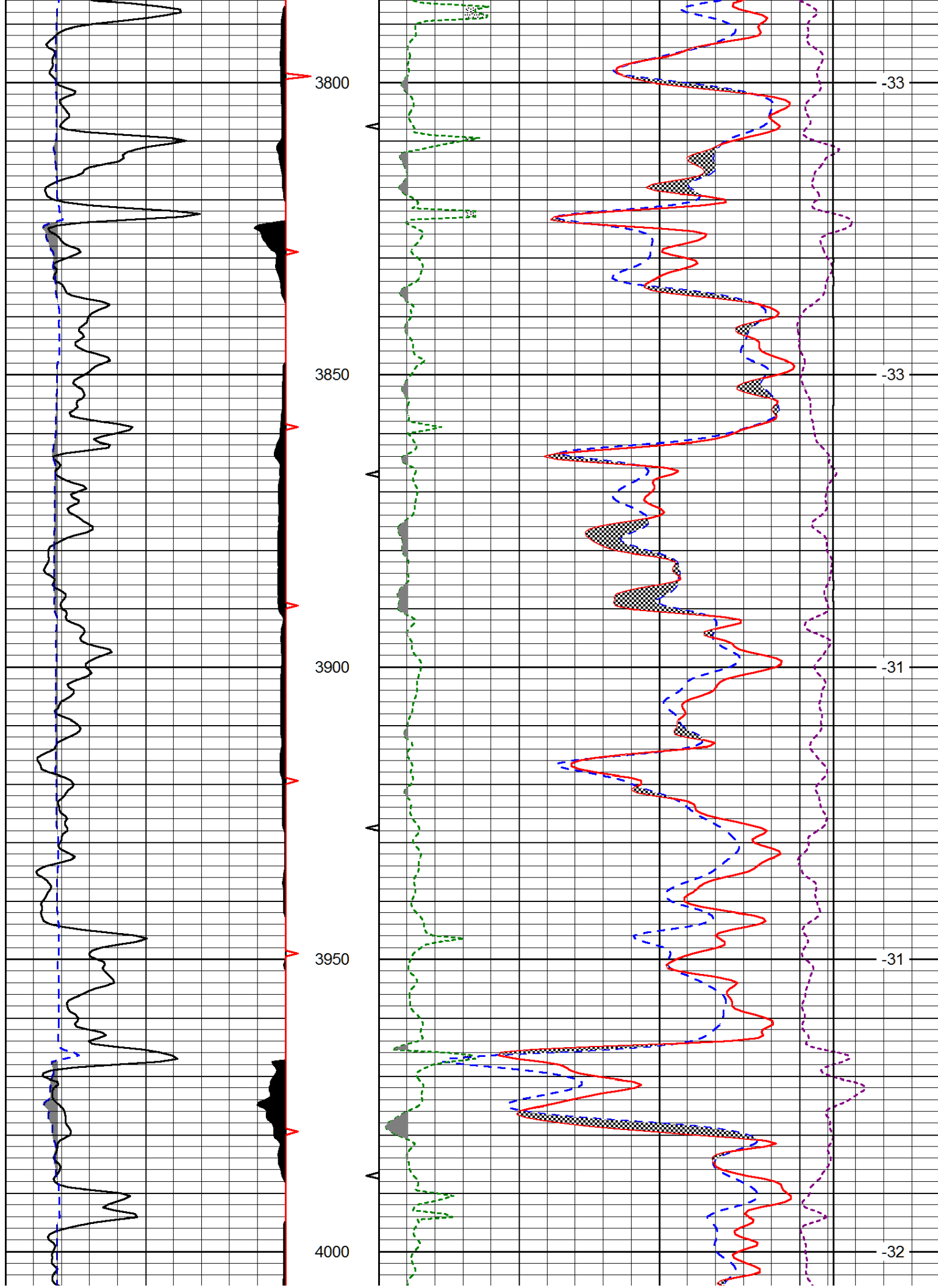
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			2.625	DGA	3.425
				-0.25	Correction
					0.25
					LSPD

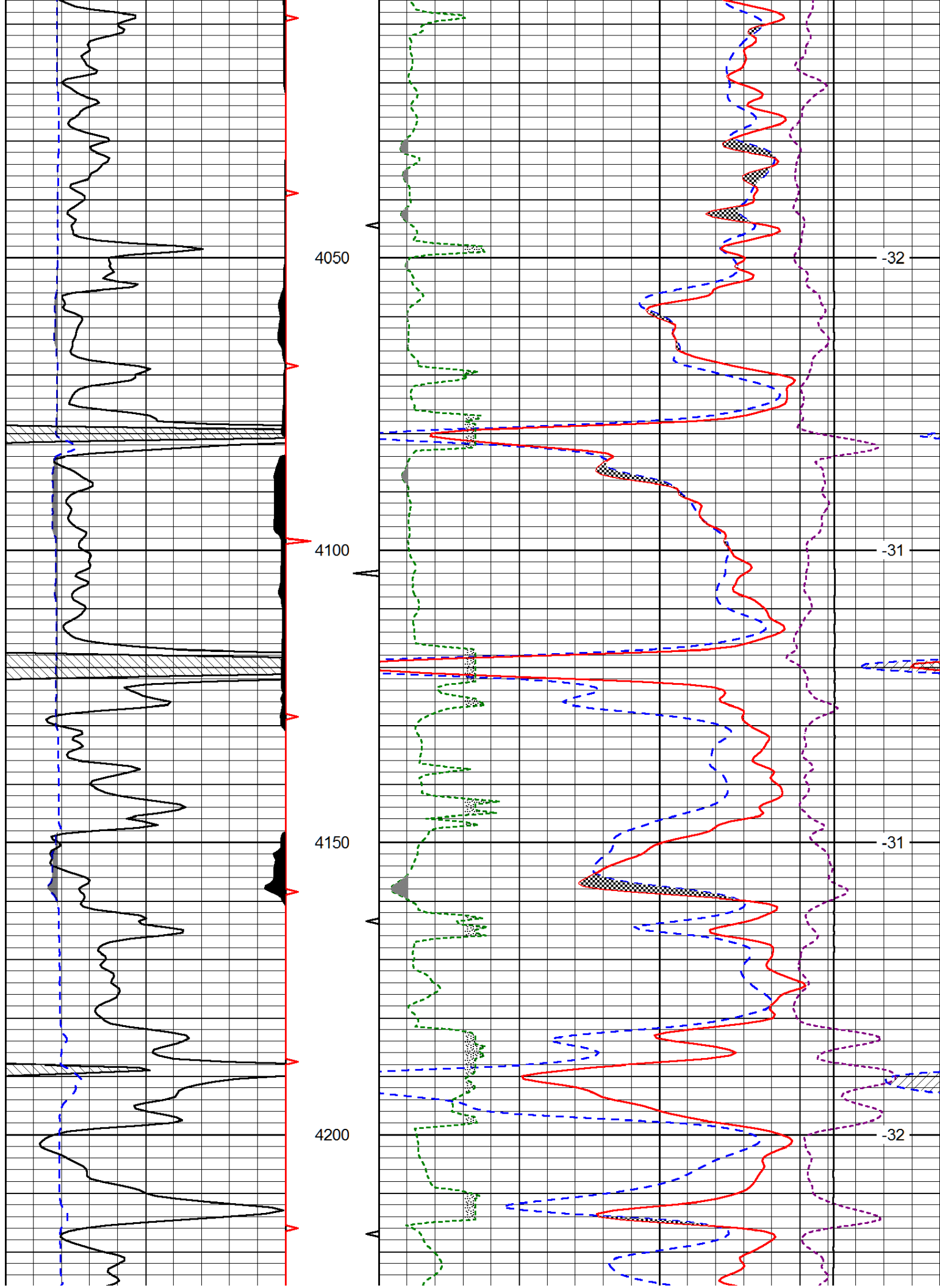
Database File: indian_banksswd_1hd.db Dataset Pathname: DIL/indstk Presentation Format: cndlspec Dataset Creation: Tue Nov 18 08:19:10 2014 Charted by: Depth in Feet scaled 1:240					
0	Gamma Ray	150	30	CNLS	-10
6	Caliper (GAPI)	16	30	Compensated Density (2.71 ma)	-10
			2.625	DGA	3.425
				-0.25	Correction
					0.25
			10000	Line Tension	0
					LSPD

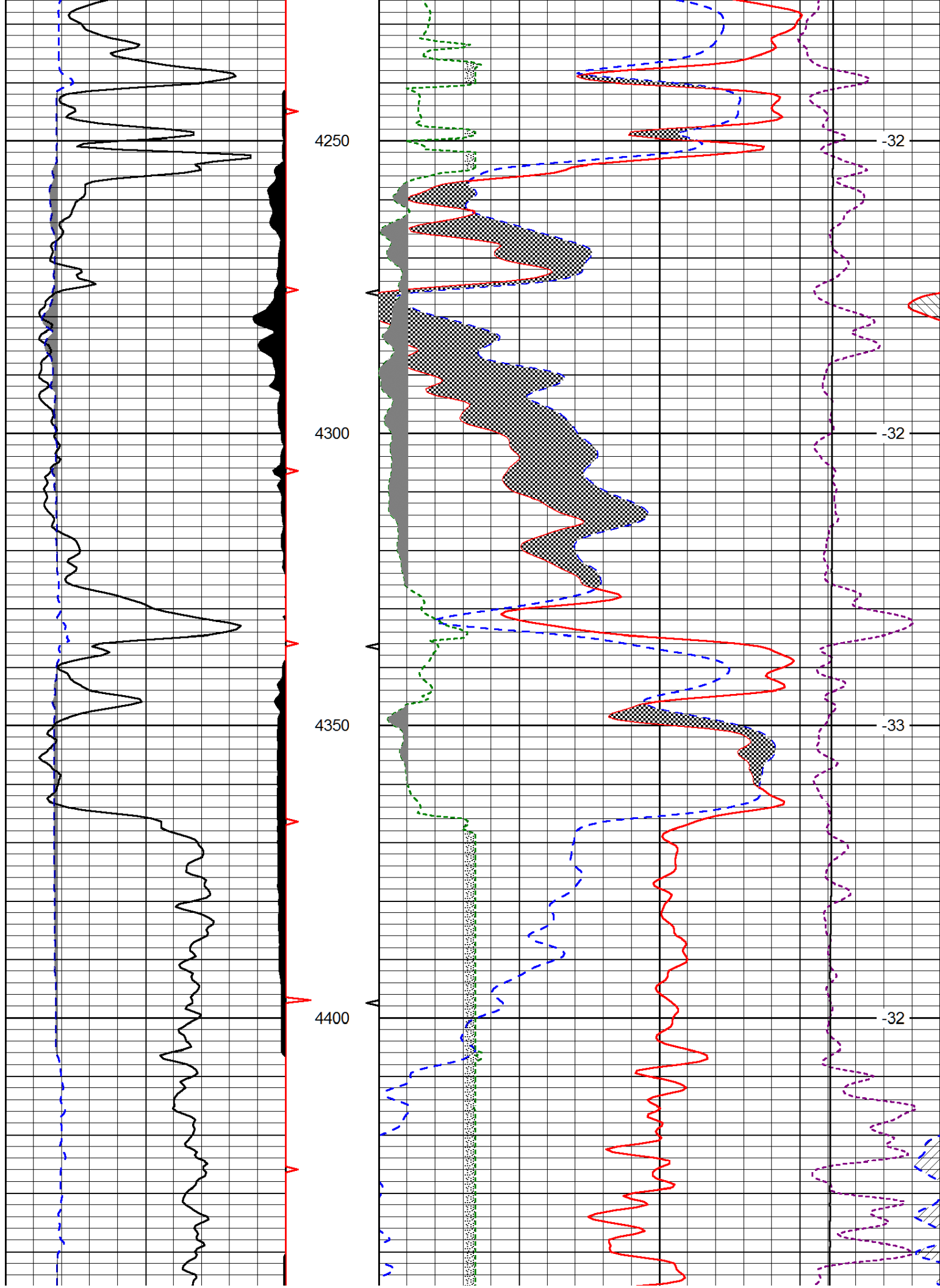


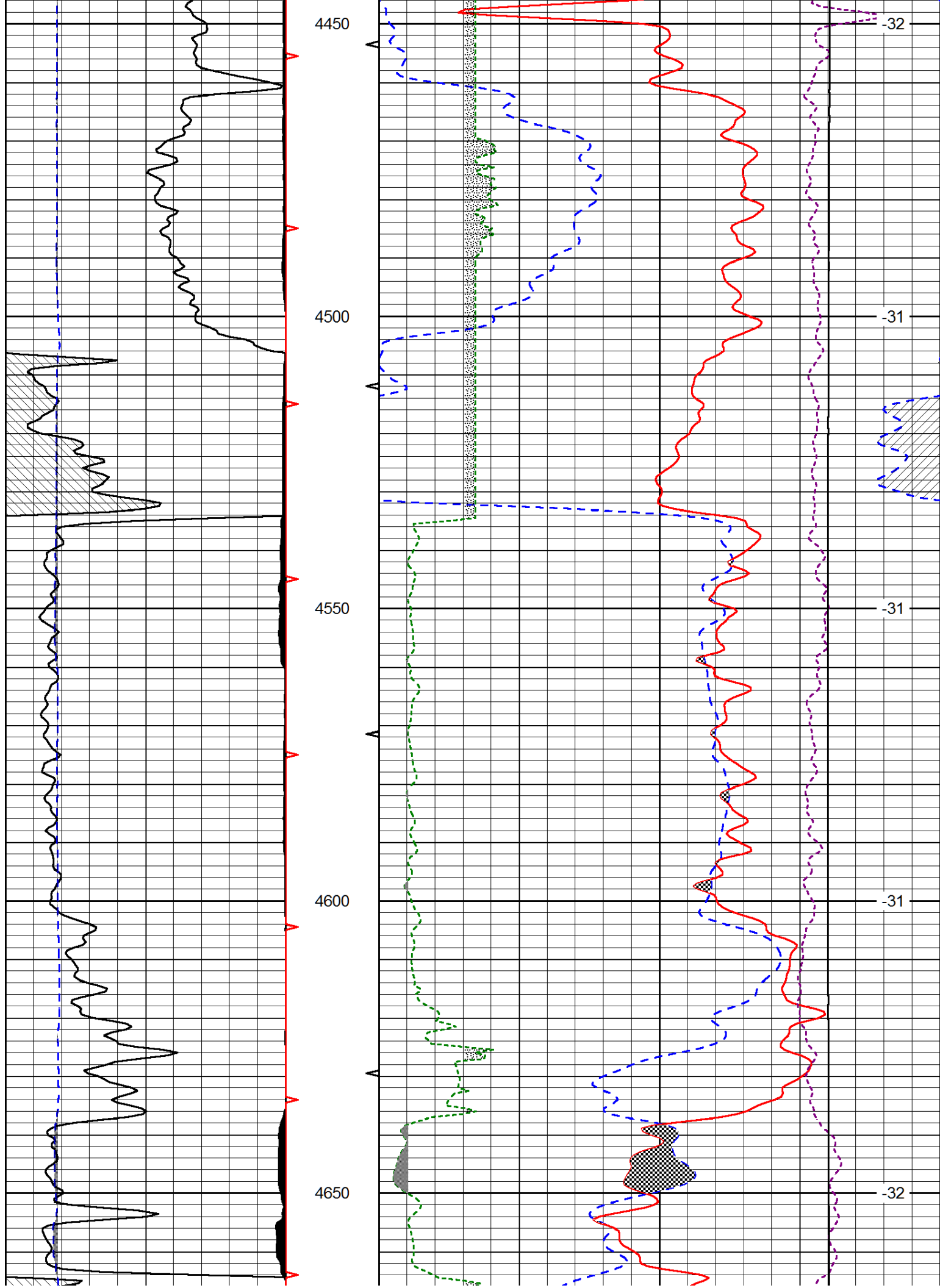


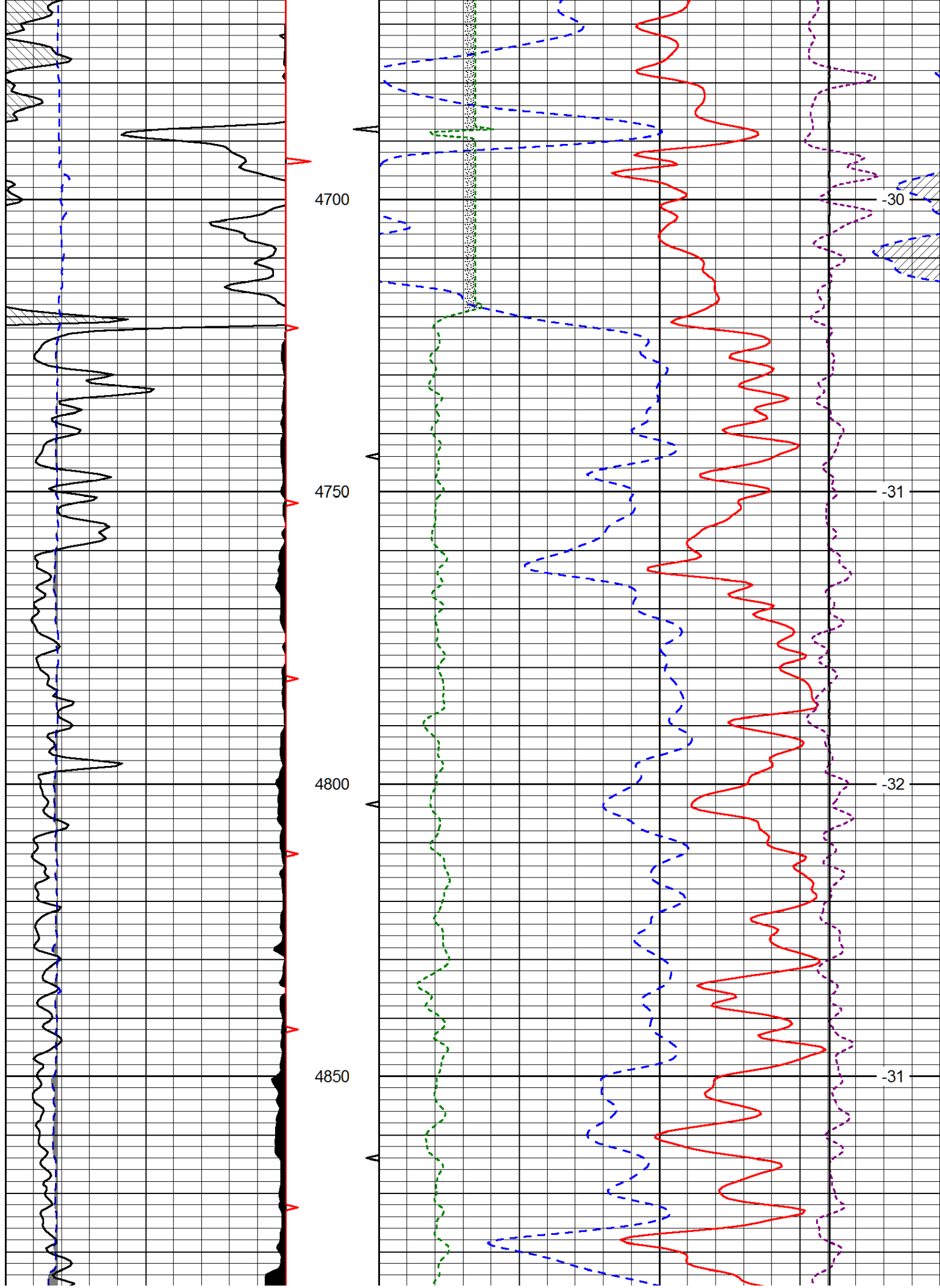


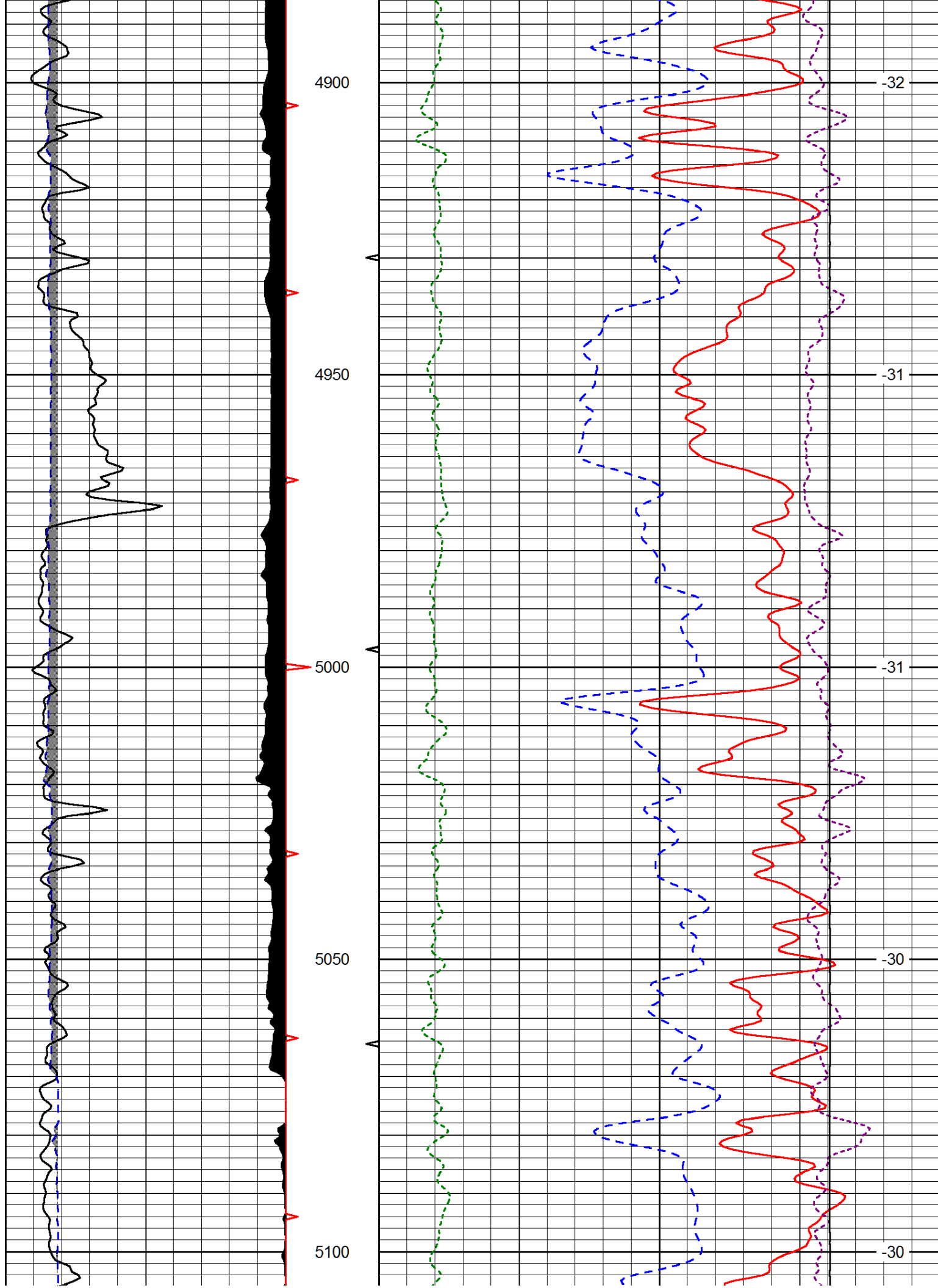


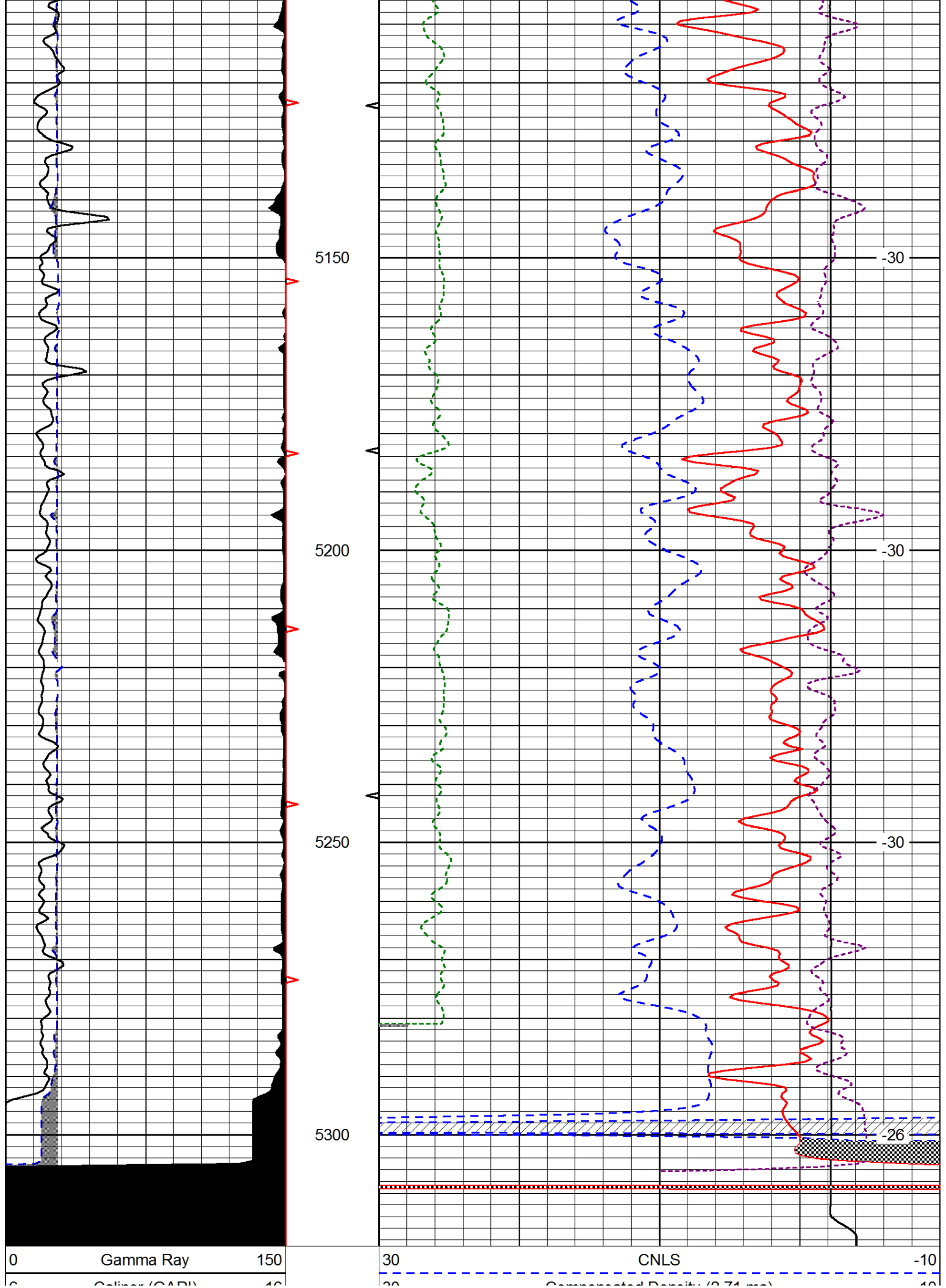












6	Caliper (GAP1)	16
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30	Compensated Density (2.71 t/m³)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0
					LSPD