



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-109-21,221-00-00

Company Lario Oil & Gas Company

Well Rose B Unit No. 1-4

Field Corinne

County Logan

State Kansas

Location

S2-N2-N2-N2
400' FNL & 2640' FEL

Other Services
DIL/MEL

Sec: 4

Twp: 15S

Rge: 32W

Permanent Datum

Ground Level
Kelly Bushing

Elevation 2758
5 Ft. Above Perm. Datum

Elevation
K.B. 2763
D.F. 2758
G.L. 2758

Date

12/18/2013

Run Number

One

Type Log

CNL / CDL

Depth Driller

4500

Depth Logger

4500

Bottom Logged Interval

4479

Top Logged Interval

3200

Type Fluid In Hole

Chemical

Salinity, PPM CL

4.500

Density

9.1

Level

Full

Max. Rec. Temp. F

121

Operating Rig Time

4 Hours

Equipment -- Location

17 Hays

Recorded By

J. Henrickson

Witnessed By

Steve Davis

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

252

8.625

23#

00

252

Two

7.875

252

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

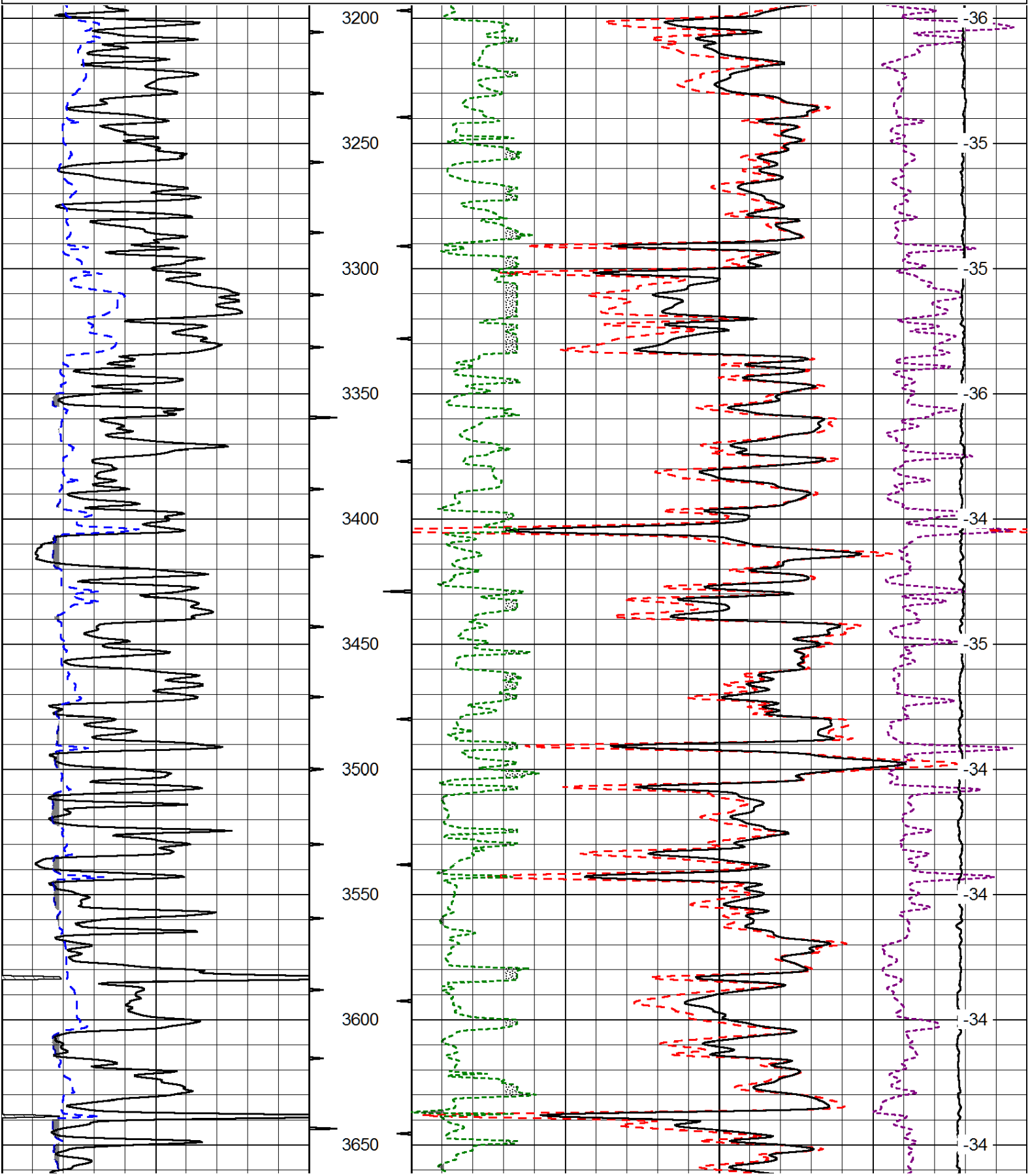
Thank you for using Log-Tech, Inc.
(785) 625-3858

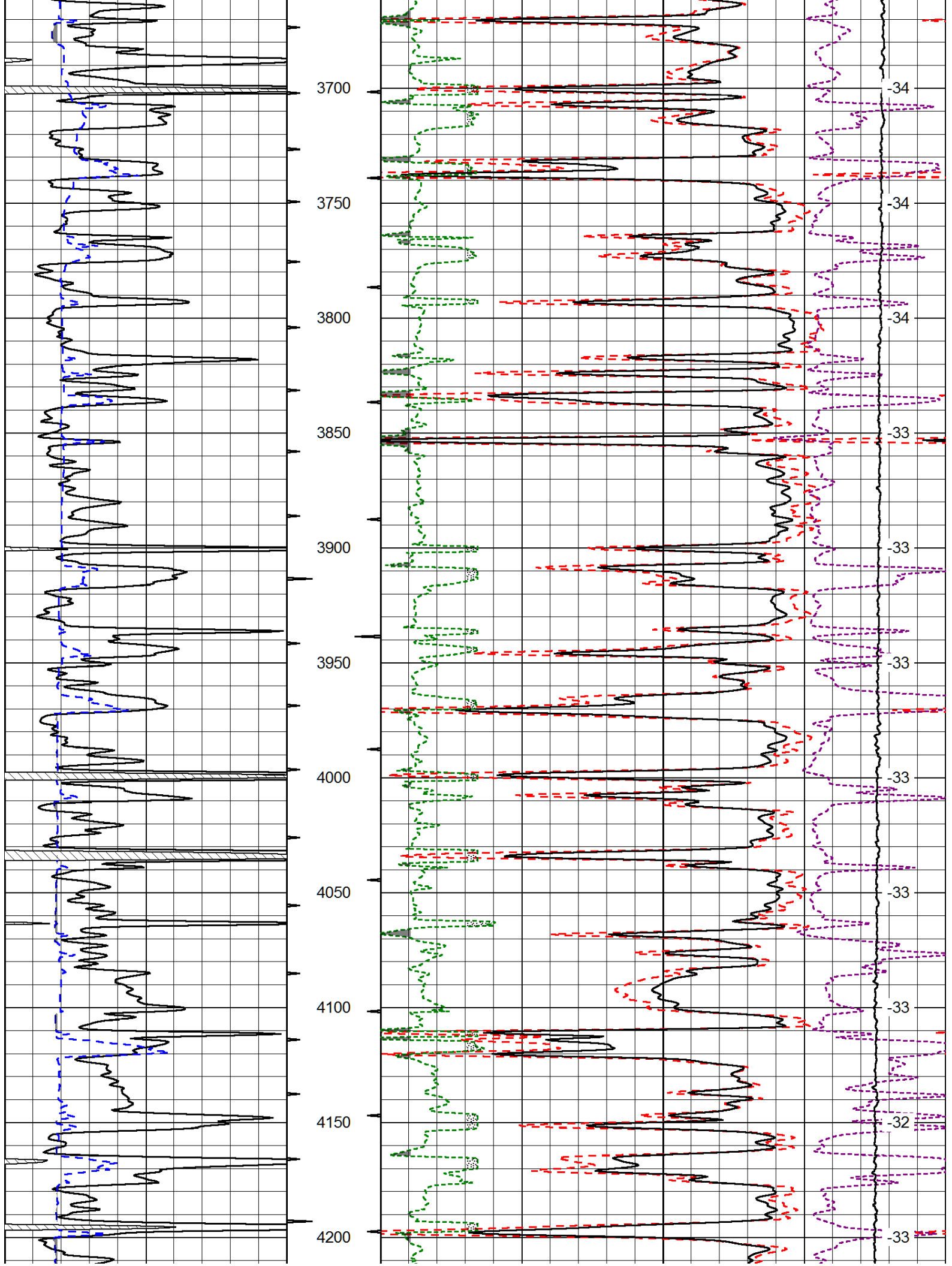
Oakley Kansas
South to Gold Rd, 1.2 West, South Into

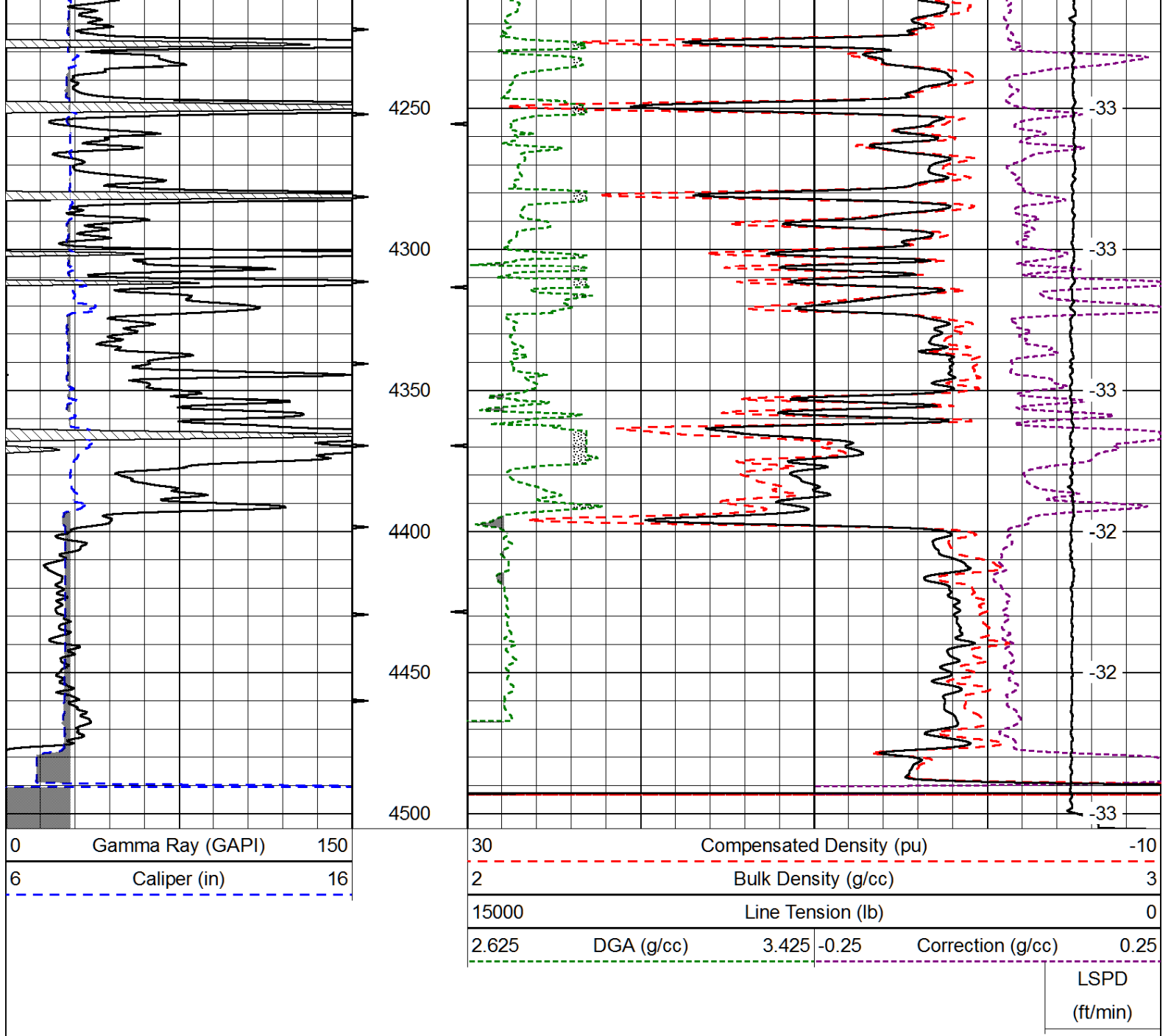
Database File: c:\warrior\data\job bonus\lario_rose-b-unit_#1-4\lario_rose_b_unit_1_4hd.db
Dataset Pathname: DIL\larstk
Presentation Format: cdl
Dataset Creation: Wed Dec 18 21:26:54 2013
Charted by: Depth in Feet scaled 1:600

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

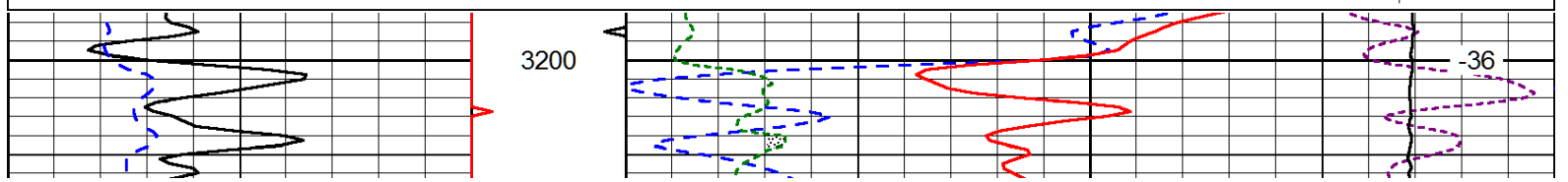
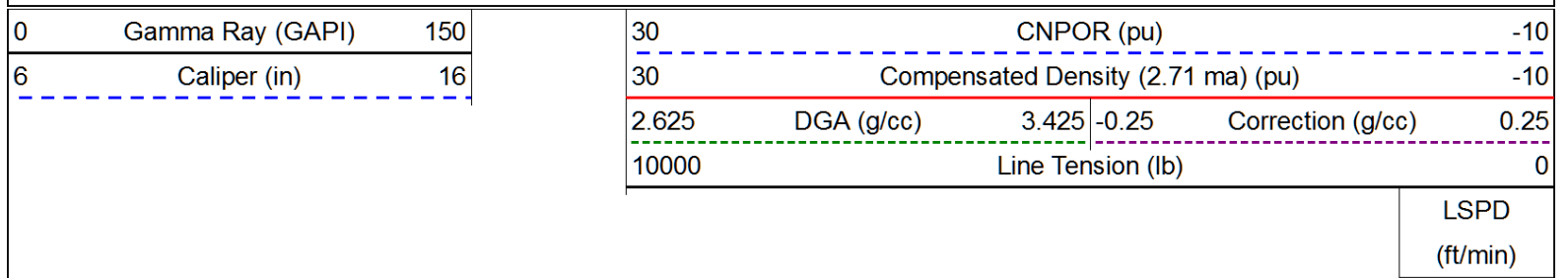
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD		(ft/min)

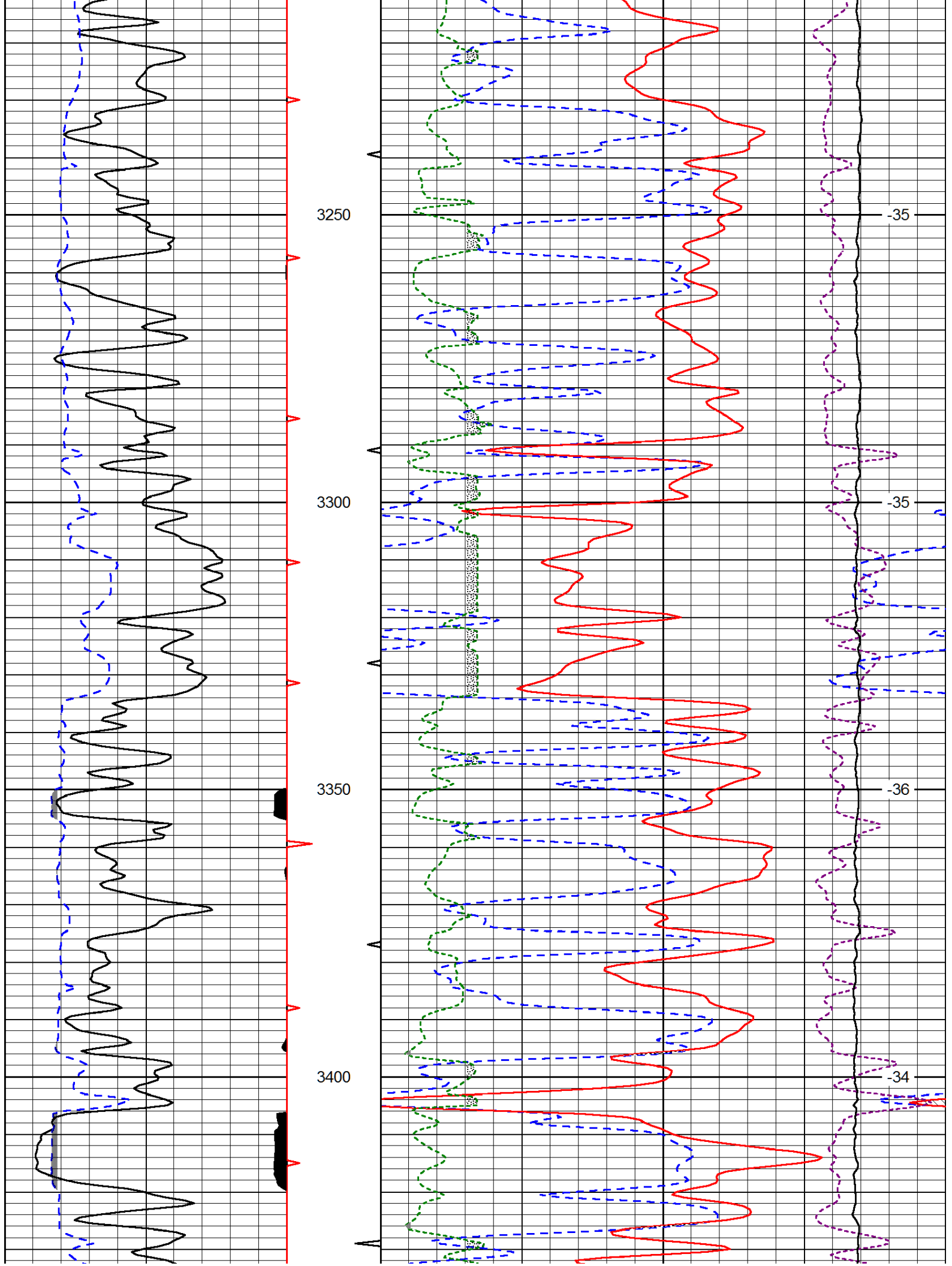


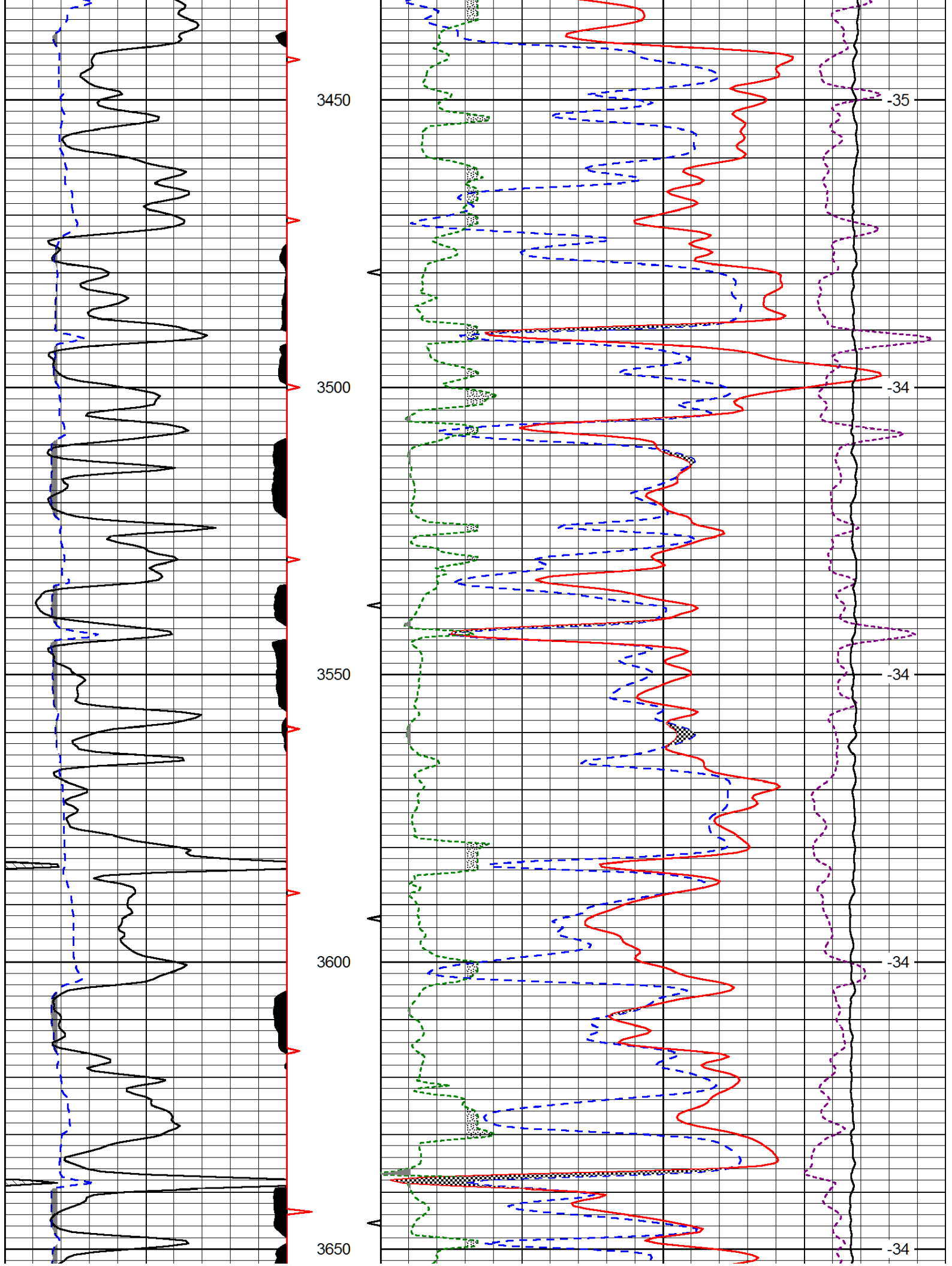


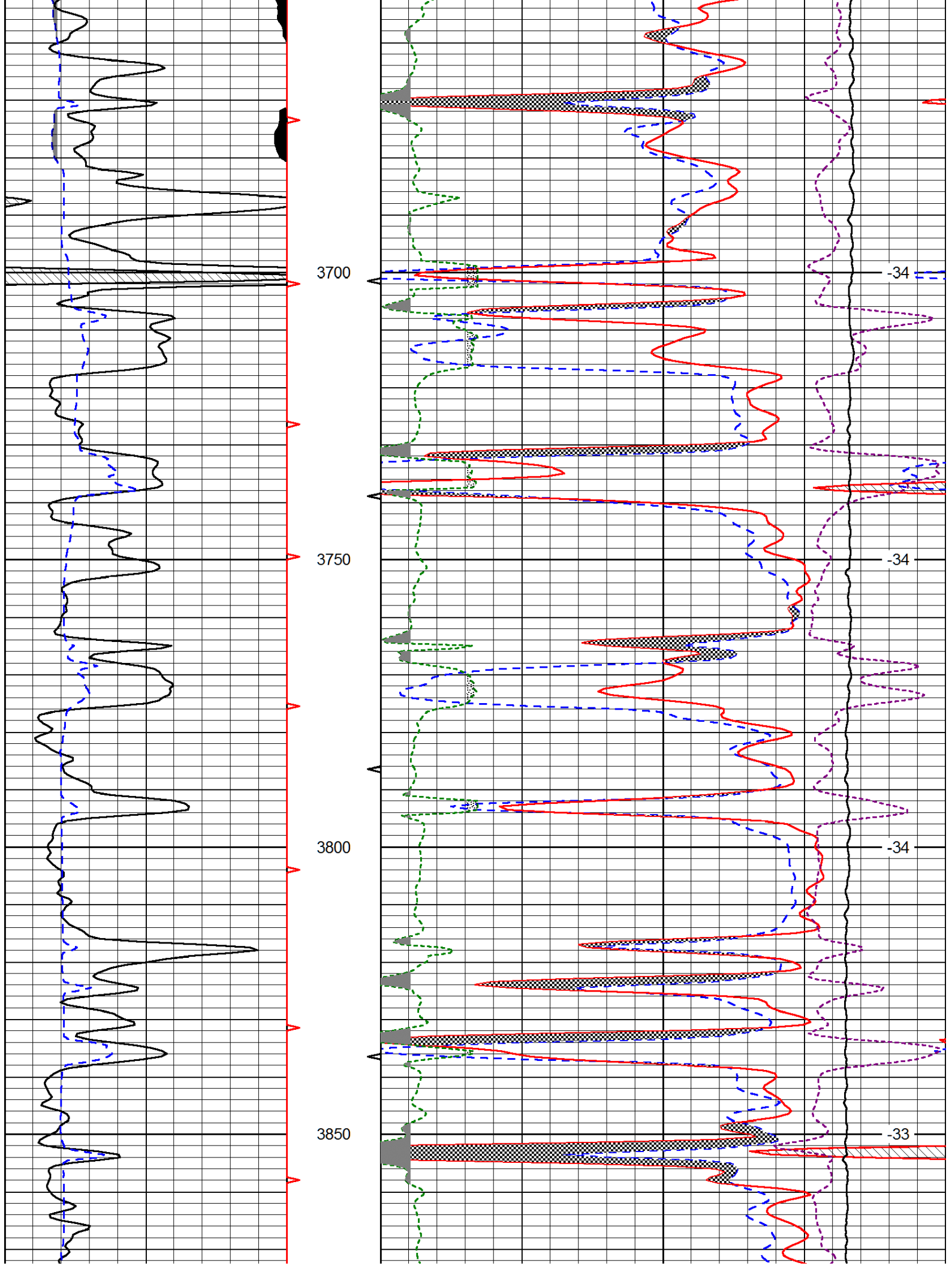


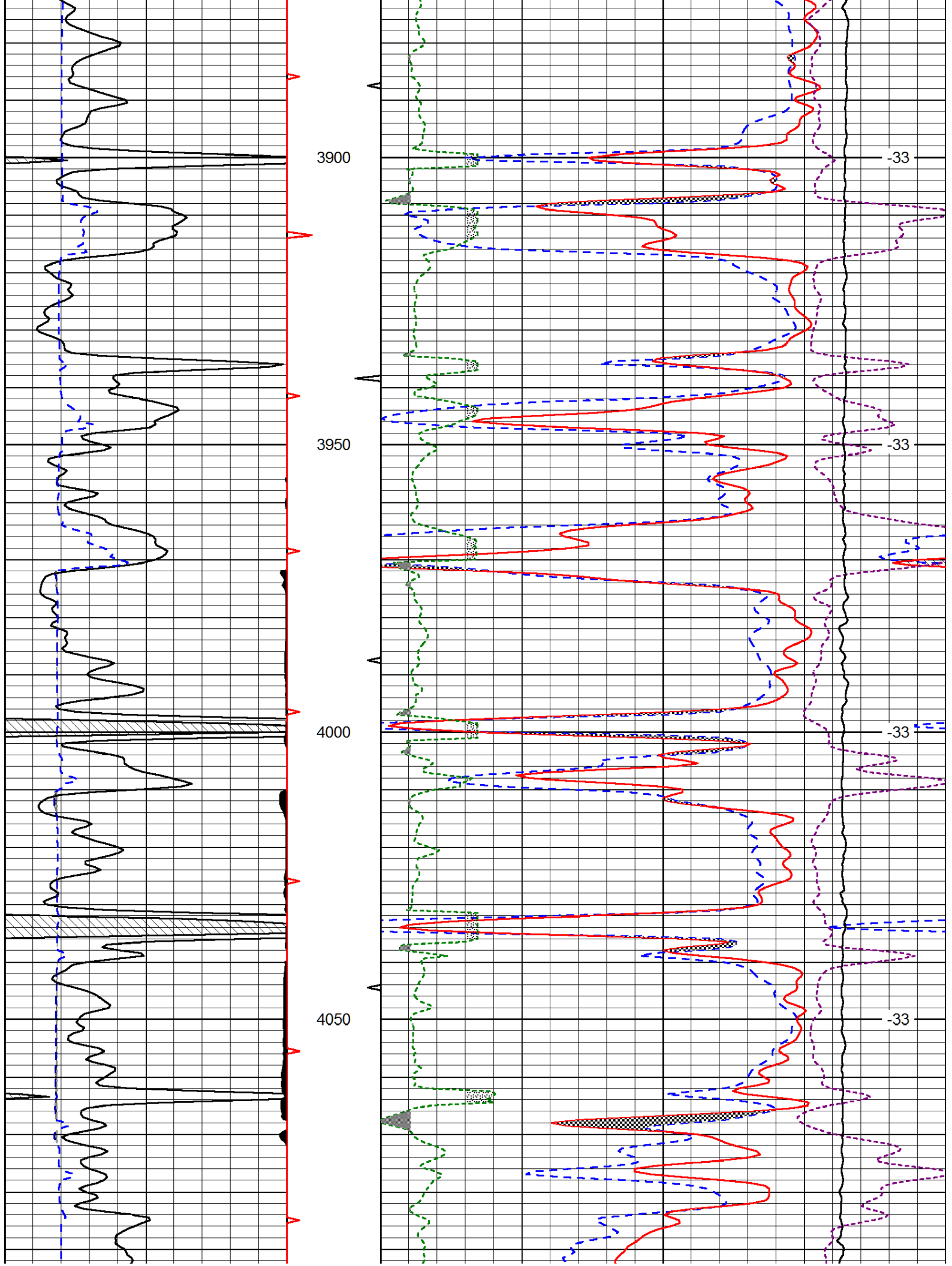
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 Dataset Pathname: DIL/larstk
 Presentation Format: cndlspec
 Dataset Creation: Wed Dec 18 21:26:54 2013
 Charted by: Depth in Feet scaled 1:240

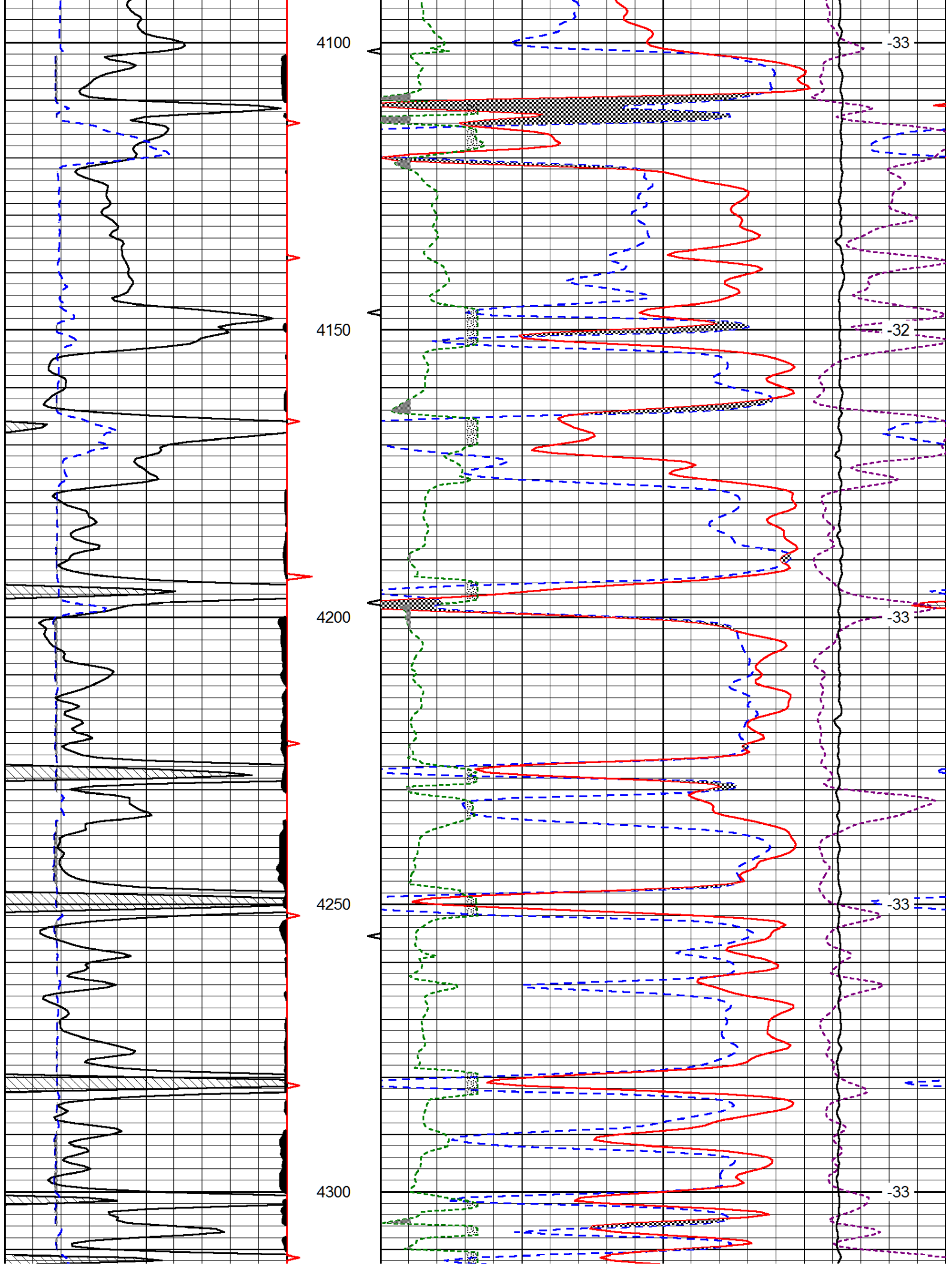


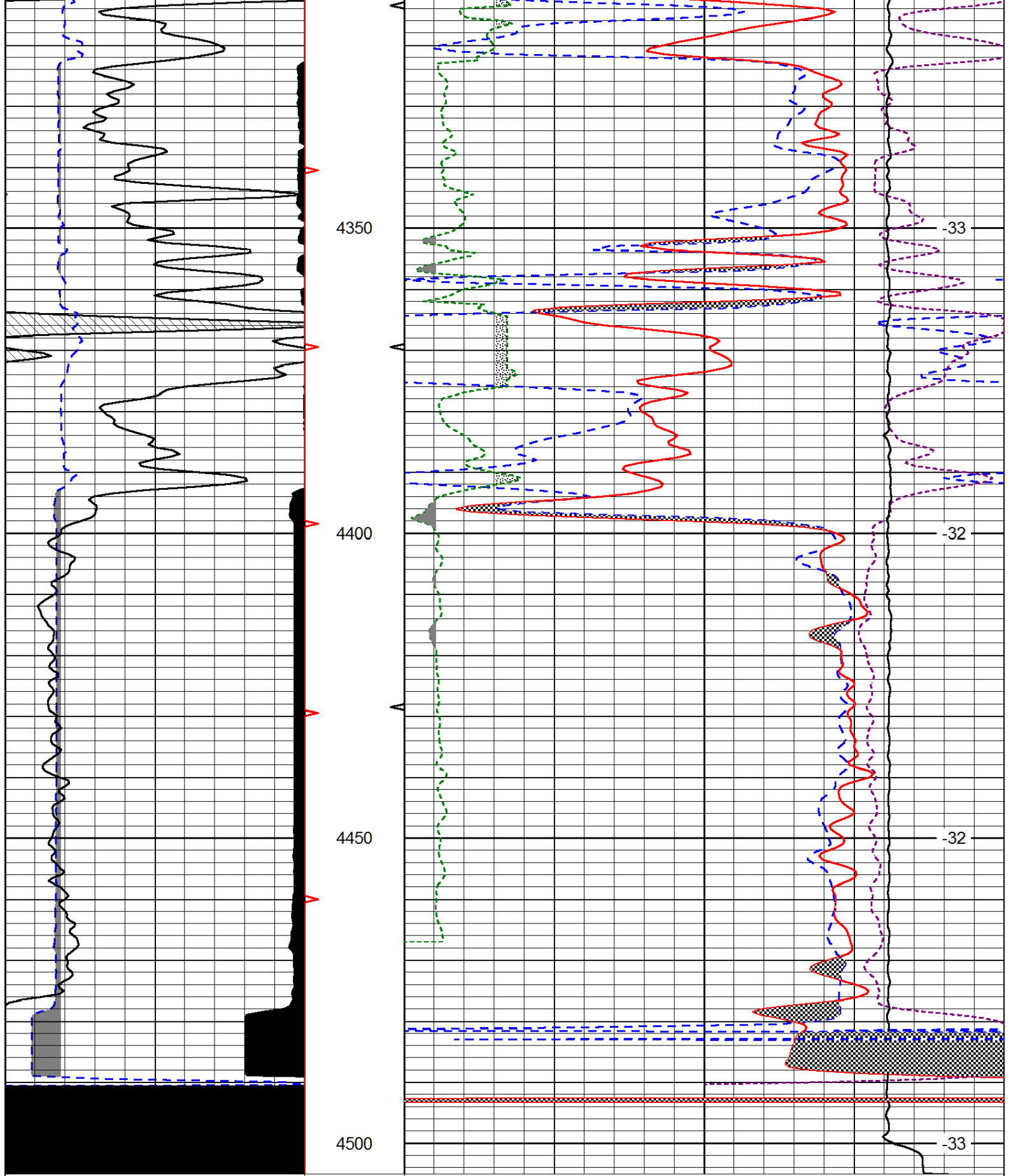












0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNPOR (pu)		-10
30	Compensated Density (2.71 ma) (pu)		-10
2.625	DGA (g/cc)	3.425 -0.25	Correction (g/cc) 0.25
10000	Line Tension (lb)		0

LSPD
(ft/min)

[illegible]