



Pioneer Energy Services

Dual Compensated Porosity Log

15-109-21283-00-00

API No.

Company **Black Tea Oil, LLC**
Well **Krebs R #4**
Field **Bridges**
County **Logan** State **Kansas**

Location

2970' FSL & 962' FWL

Other Services
DIL

Sec: 26

Twp: 14S

Rge: 32W

Elevation

Permanent Datum Ground Level Elevation 2717
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2725
D.F.
G.L. 2717

Date

6/10/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

4485

Depth Logger

4484

Bottom Logged Interval

4463

Top Logged Interval

3000

Type Fluid In Hole

Chemical

Salinity, PPM CL

3000

Density

9.0

Level

Full

Max. Rec. Temp. F

123

Operating Rig Time

3 Hours

Equipment -- Location

91 Hays

Recorded By

D. Schmidt

Witnessed By

Richard Thomasson

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

264

8.625

24#

00

264

2

7.875

264

4485

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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.

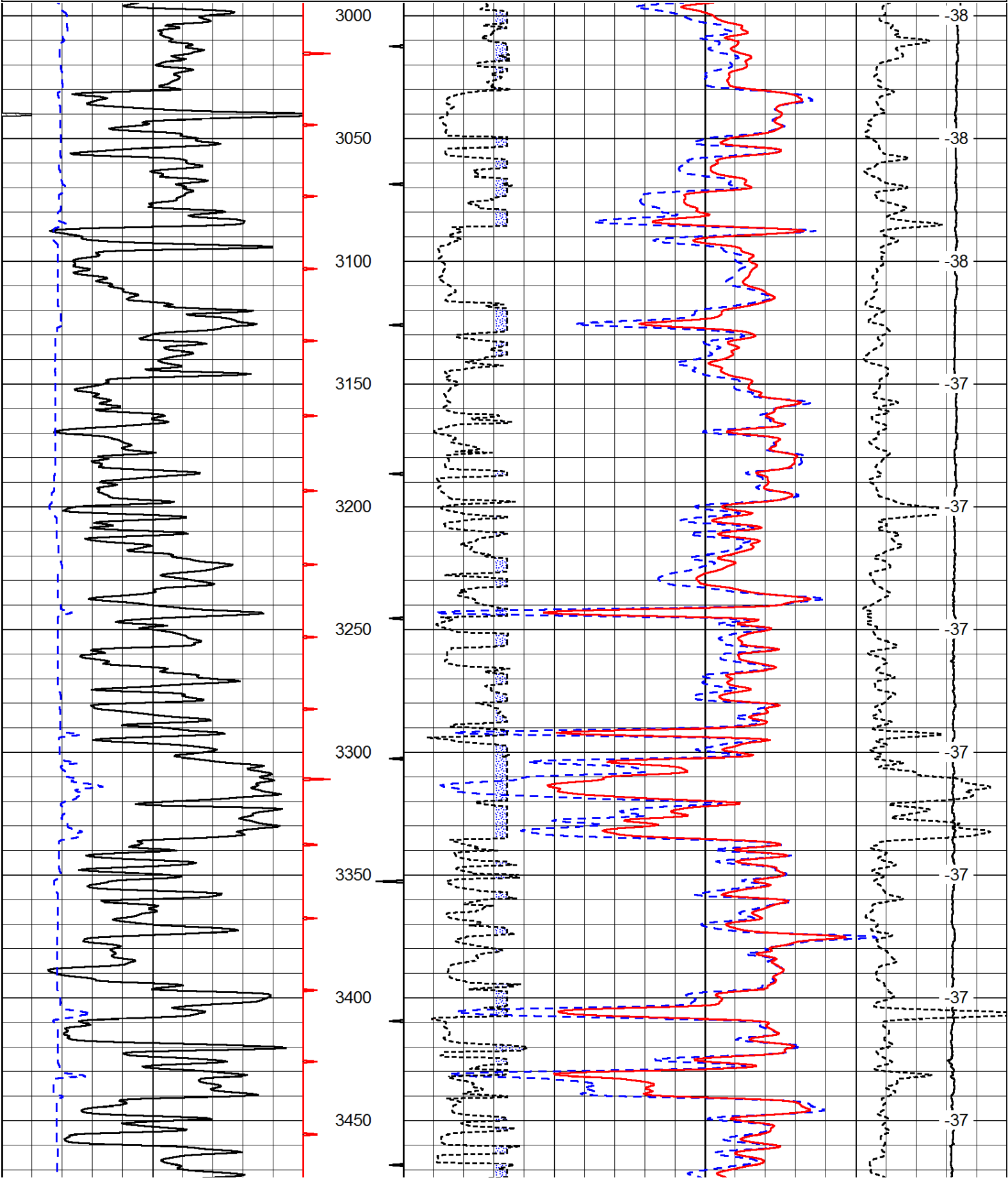
Comments

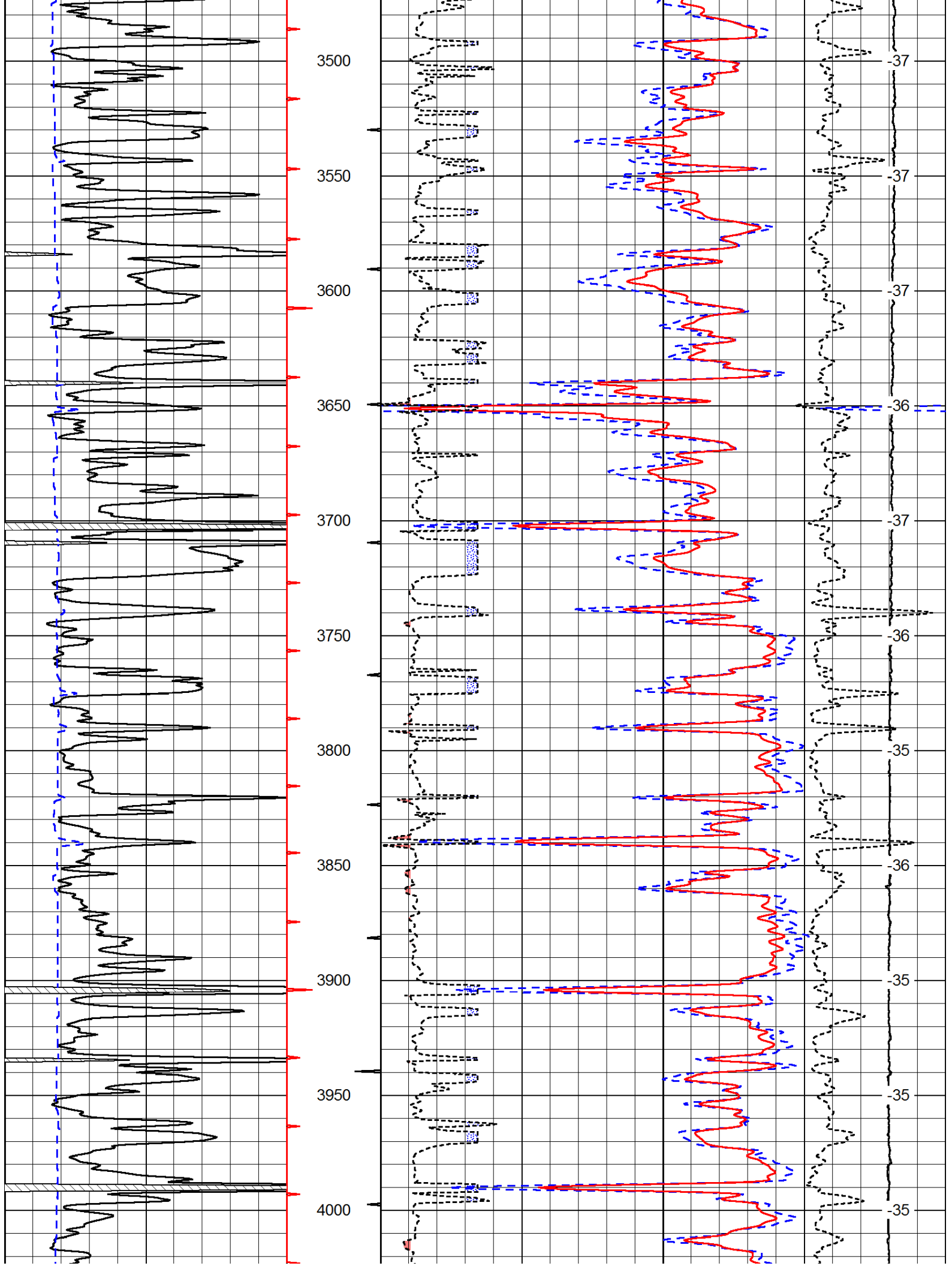
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Oakley,
South to Jayhawk Rd, 1/2 South,
1/4 East, 1/4 South,
West & South into

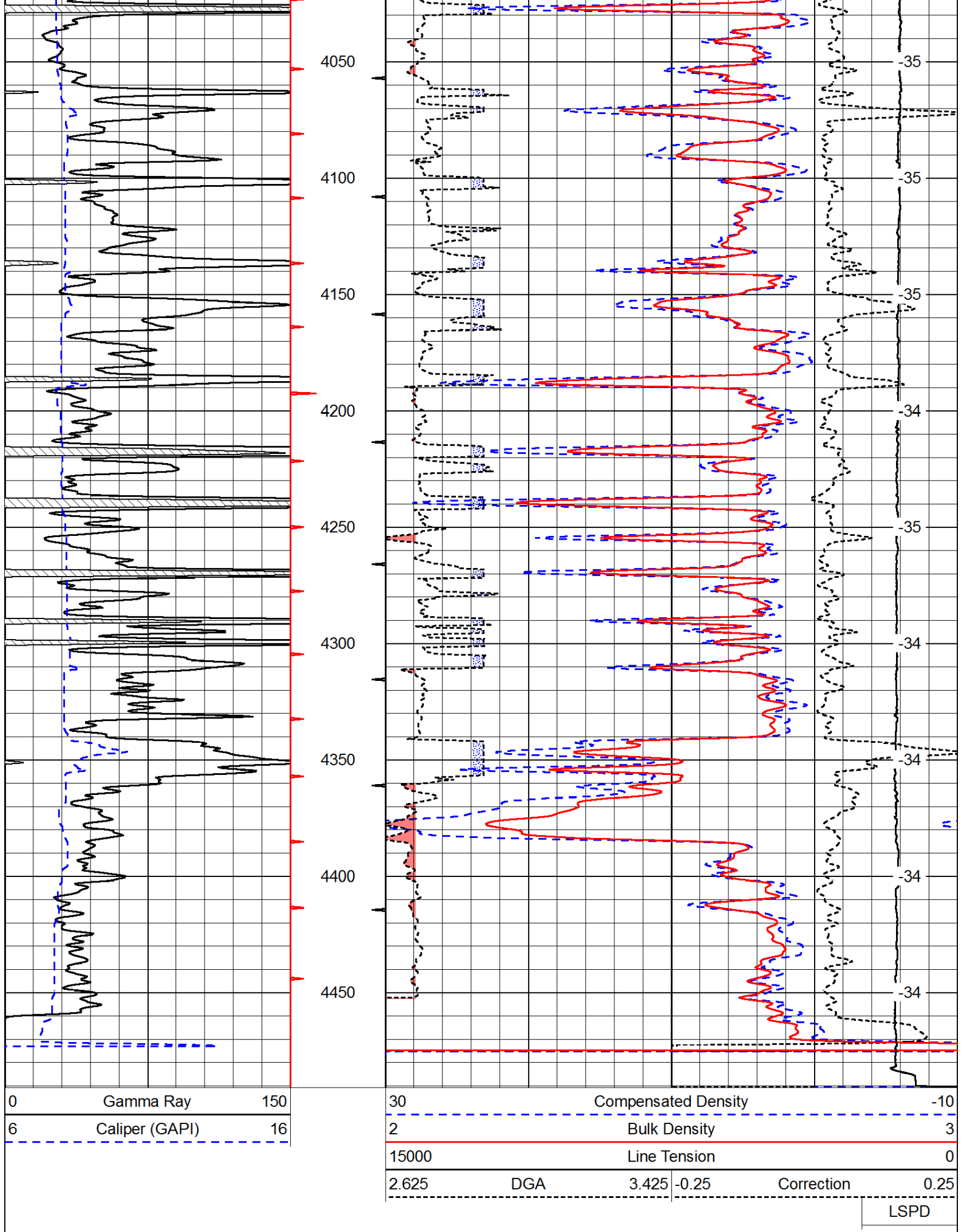
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Dataset Pathname: dil/btstack
Presentation Format: cdl
Dataset Creation: Tue Jun 10 22:03:37 2014
Charted by: Depth in Feet scaled 1:600

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			





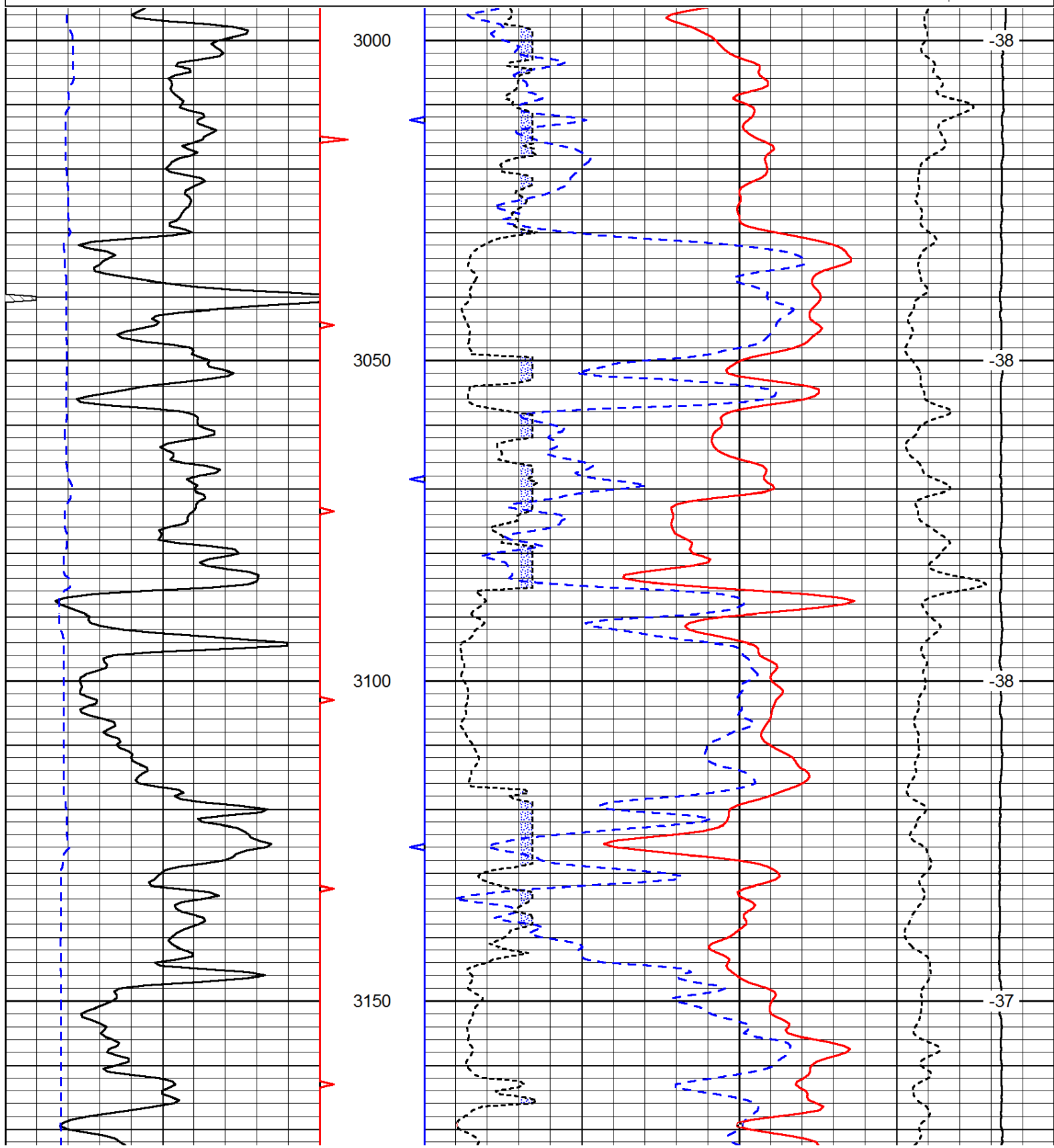


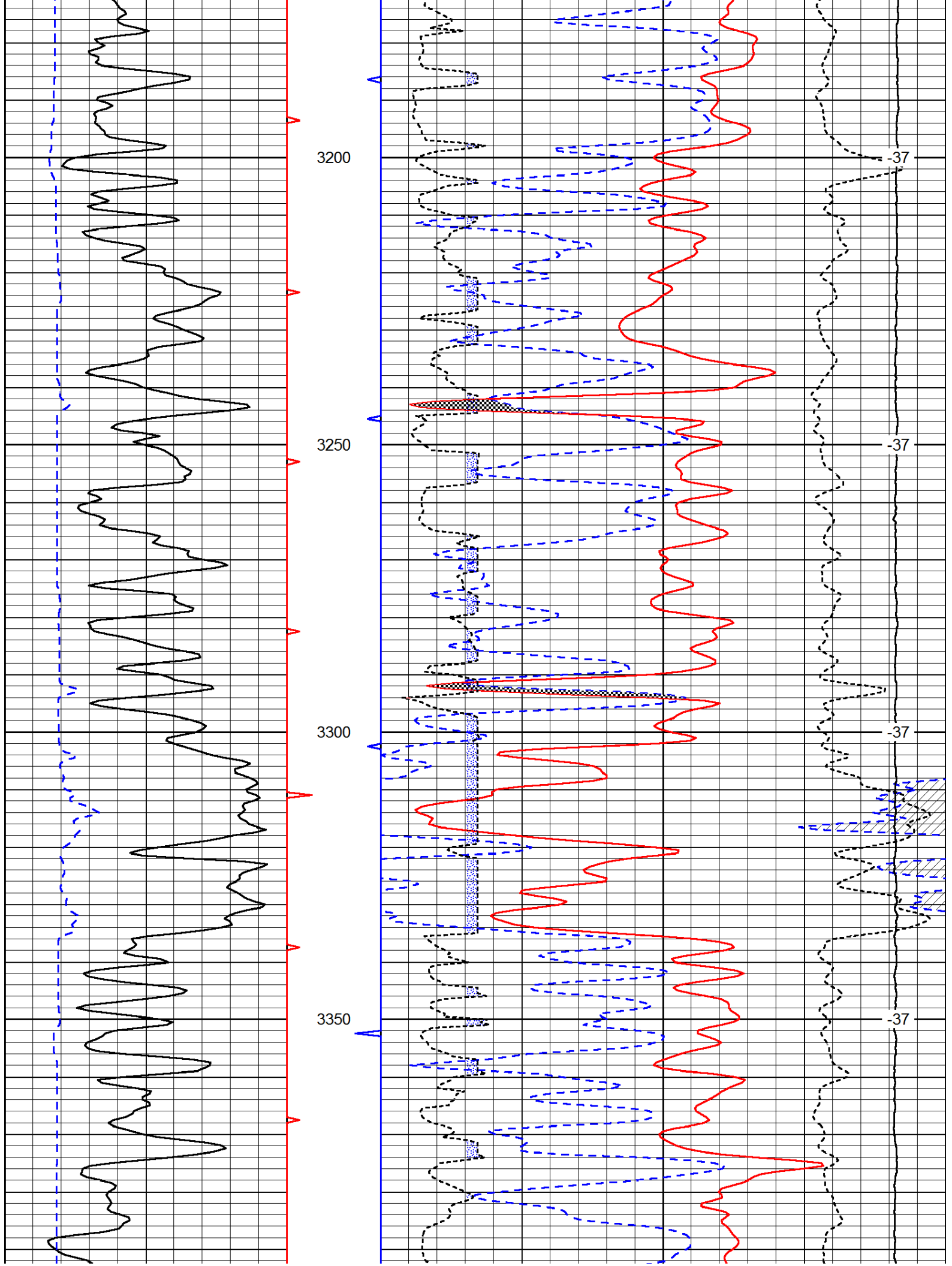
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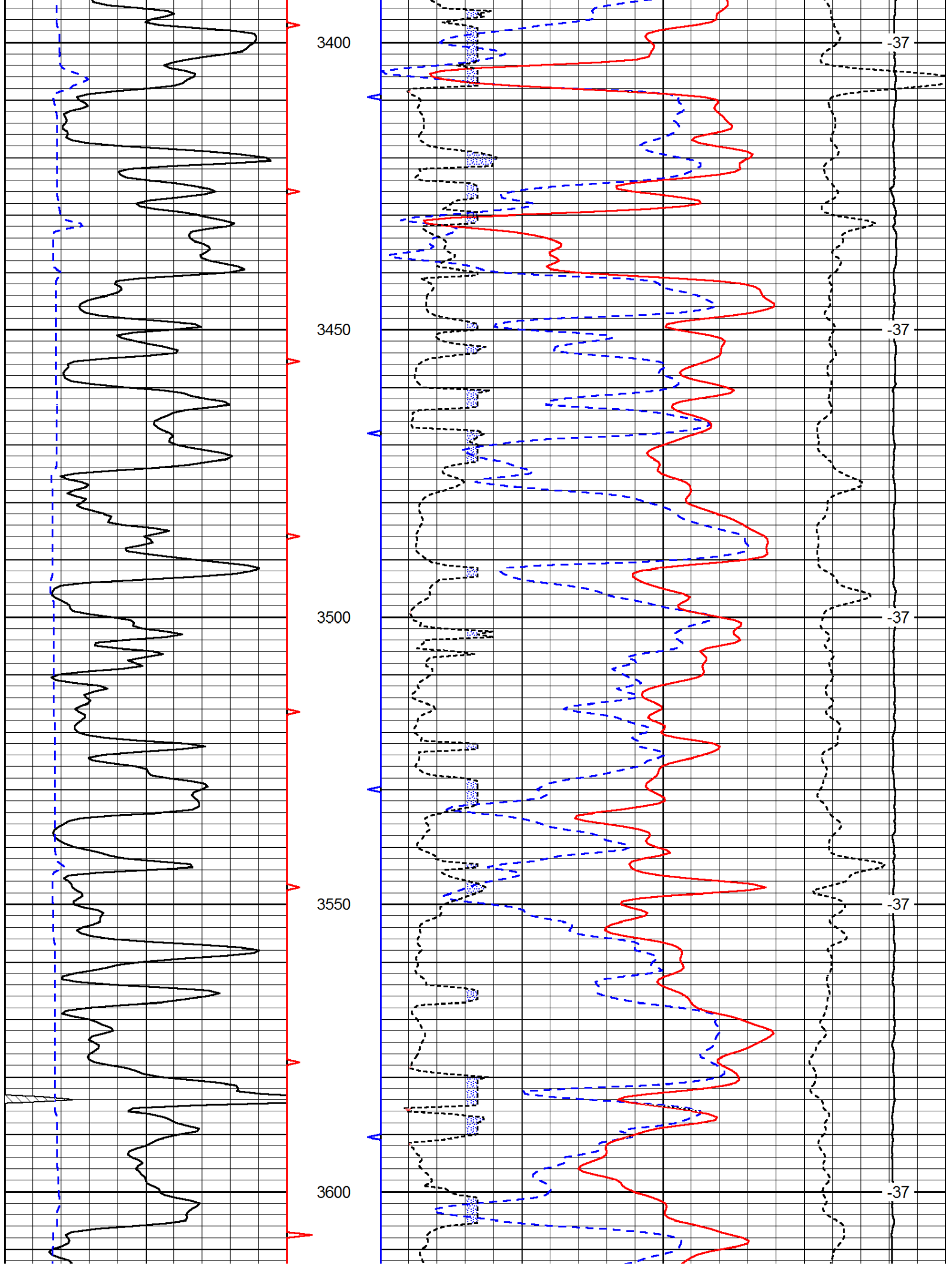
0	Gamma Ray	150
6	Caliper (GAPI)	16

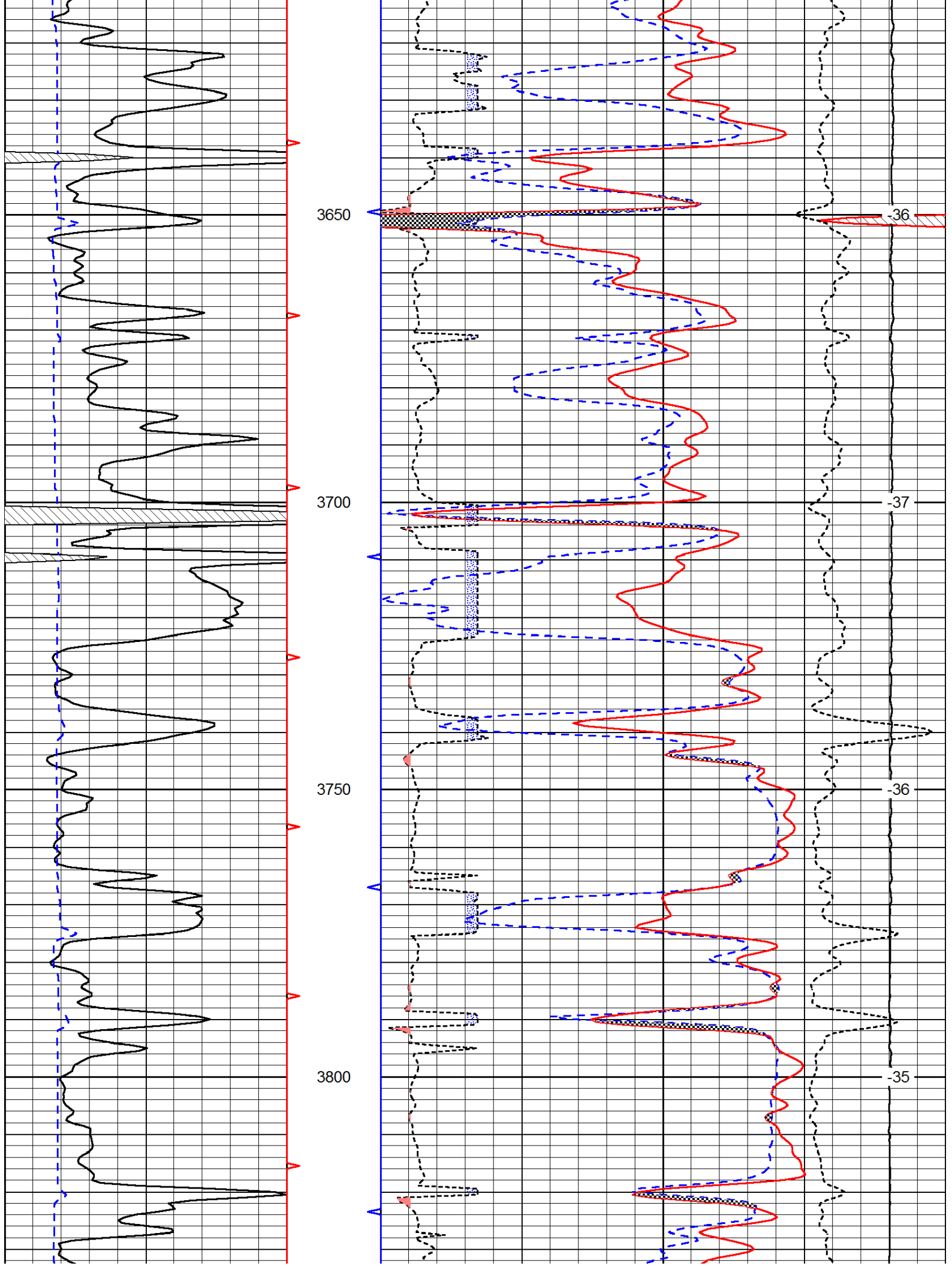
30	Compensated Neutron (Limestone)				-10
30	Compensated Density (Limestone)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

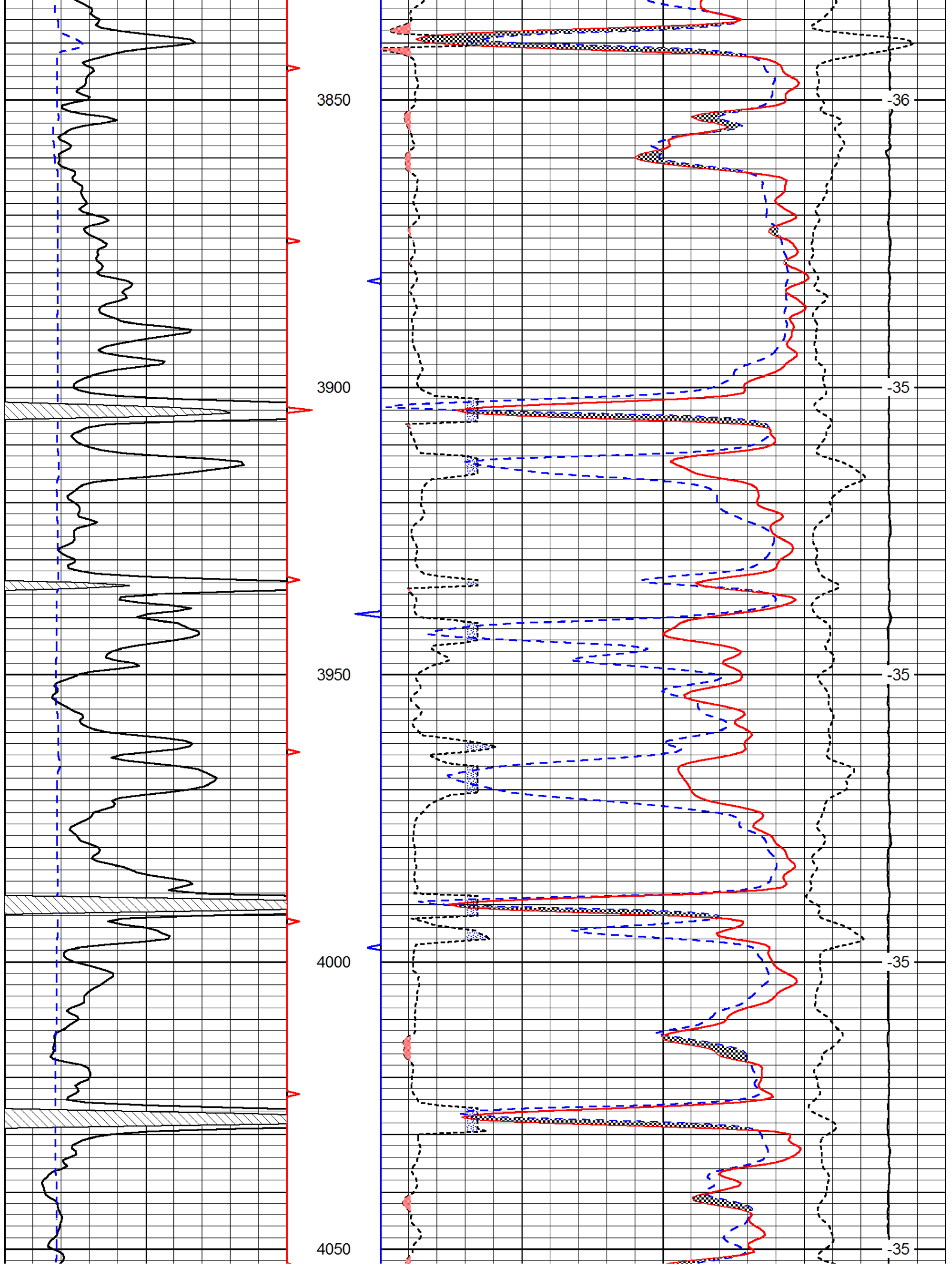
LSPD

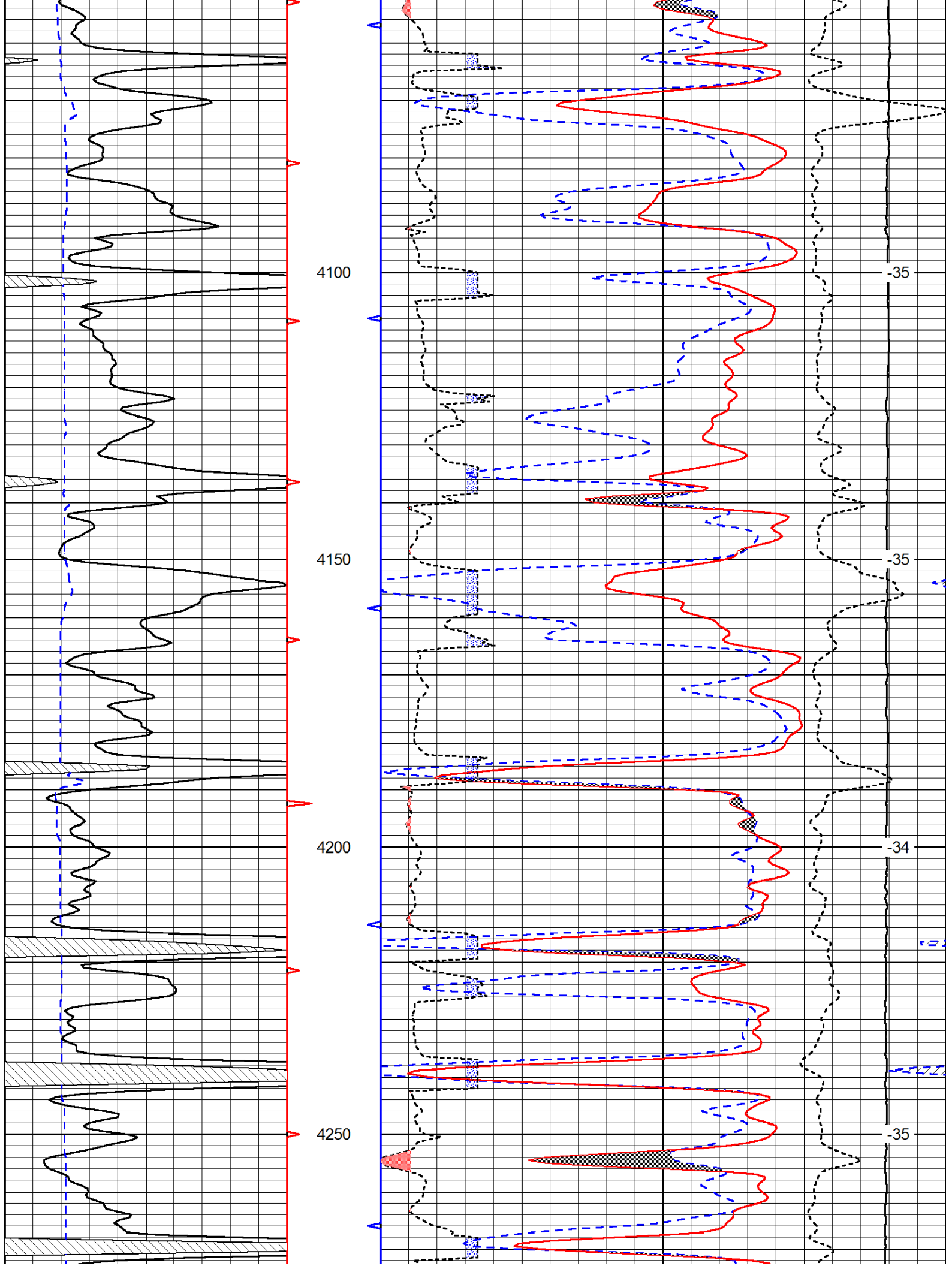


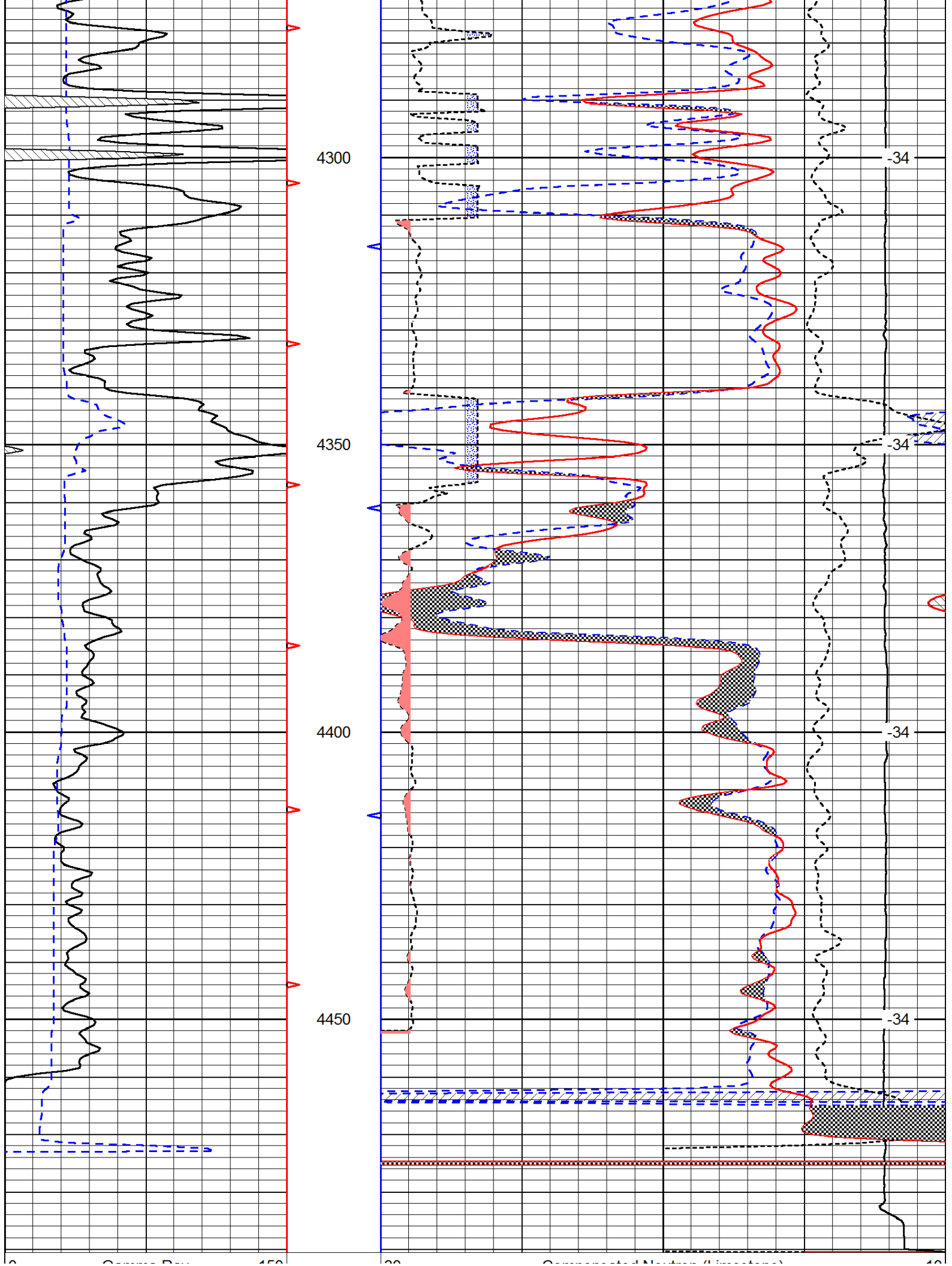












0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)			-10	
30	Compensated Density (Limestone)			-10	
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension			0	
					LSPD