



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-185-23,872-00-00

Company **RAMA Operating Company, Inc.**
Well **Goss #1-17**
Field **Zenith-Peace Creek**
County **Stafford** State **Kansas**

Location **SE NW NW NW
335' FNL & 595' FWL**
Sec: **17** Twp: **24S** Rge: **11W**

Other Services
CNL/CDL
DIL

Permanent Datum Ground Level Elevation 1834
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1843
D.F.
G.L. 1834

Date 5/4/2104

Run Number One

Type Log CNL / CDL

Depth Driller 4060

Depth Logger 4057

Bottom Logged Interval 4036

Top Logged Interval 2900

Type Fluid In Hole Chemical

Salinity, PPM CL 9000

Density 9.1

Level Full

Max. Rec. Temp. F 117

Operating Rig Time 4 Hours

Equipment -- Location 15 Days

Recorded By D Kerr

Witnessed By Josh Austin

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
---------	-----	------	----	------	------	------	----

1	12.25	00	295	8.625	24#	00	295
---	-------	----	-----	-------	-----	----	-----

2	7.875	295	4060				
---	-------	-----	------	--	--	--	--

<<< 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

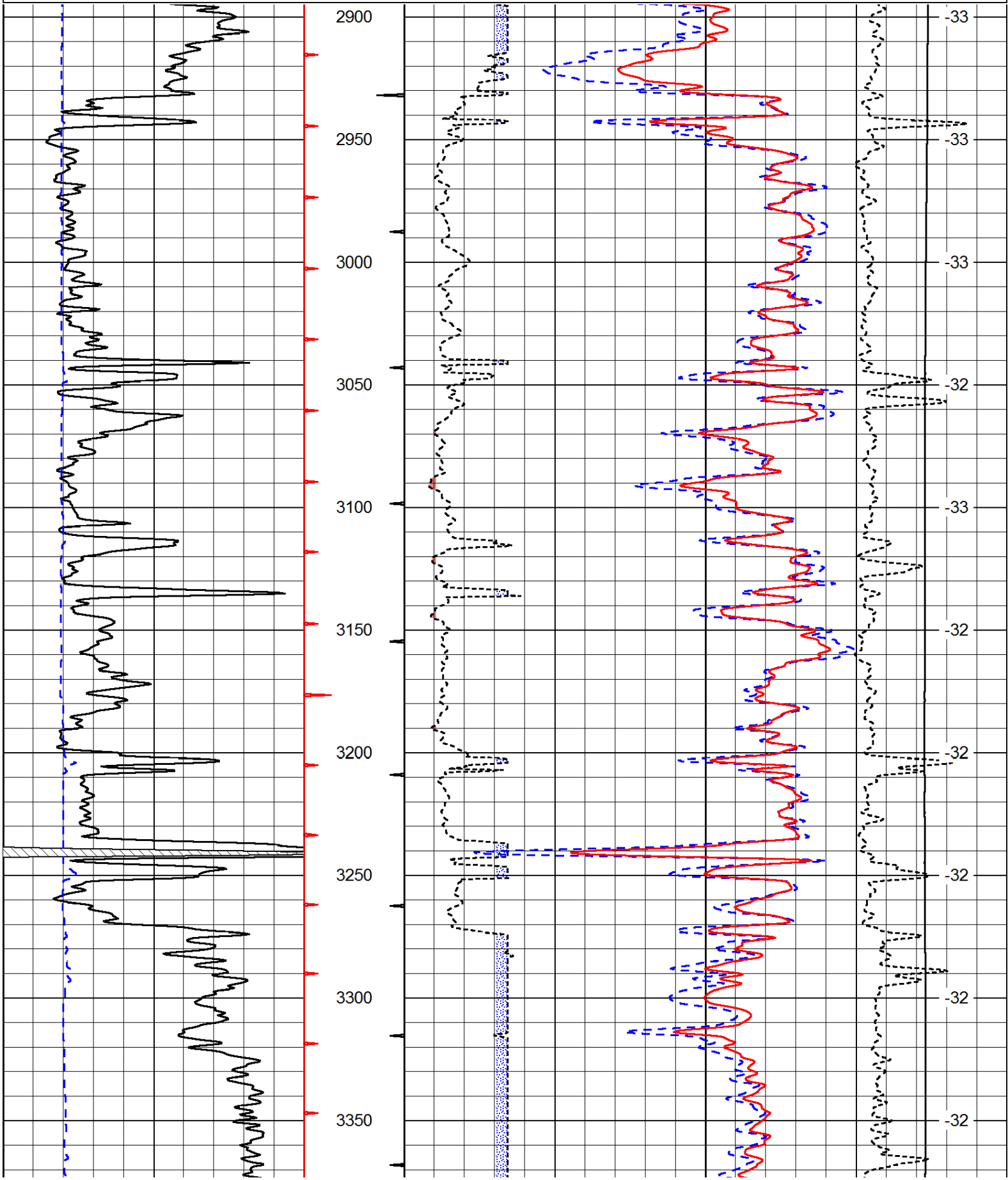
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

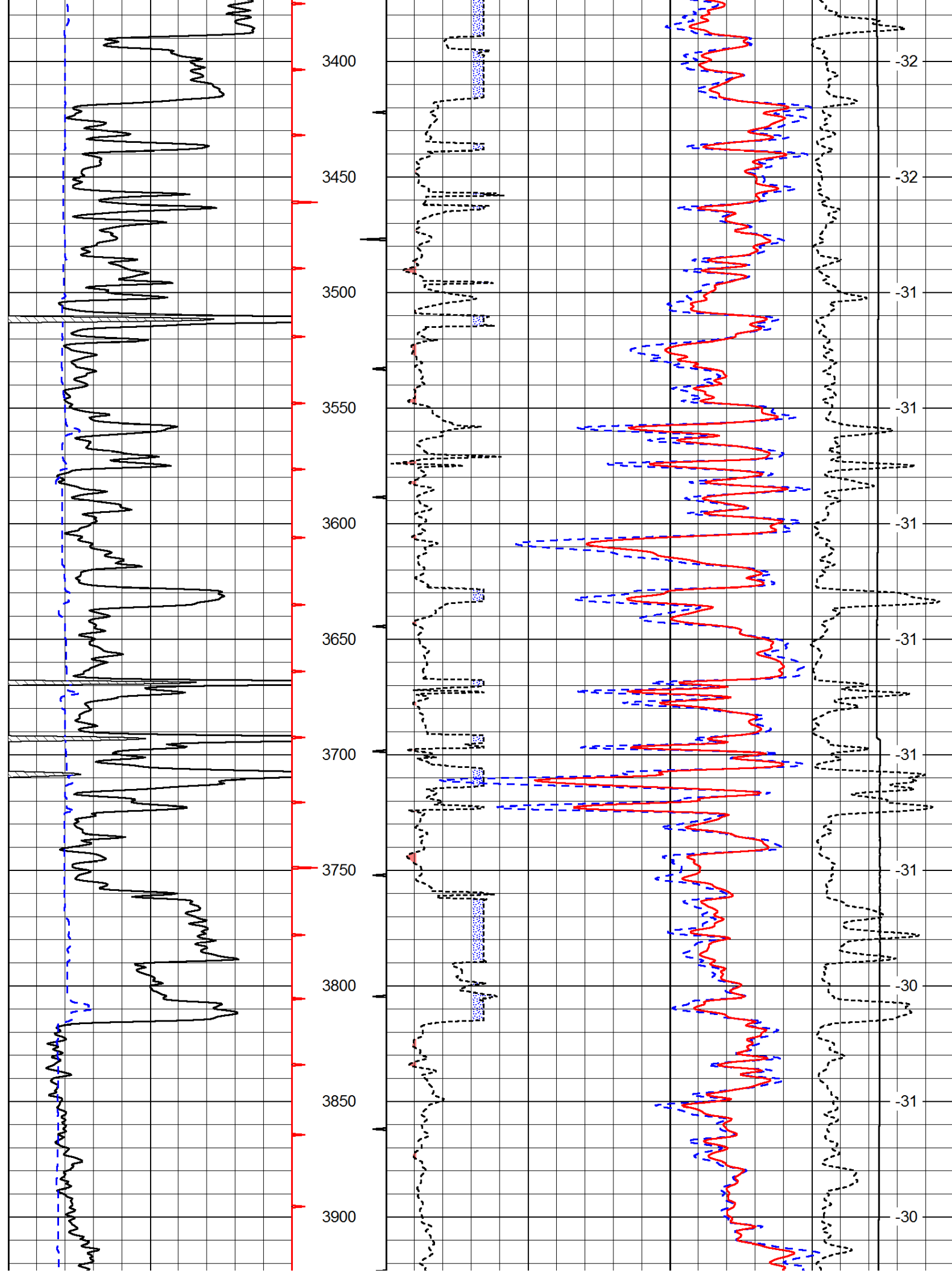
Stafford KS, 2 East, 1 North, East Into

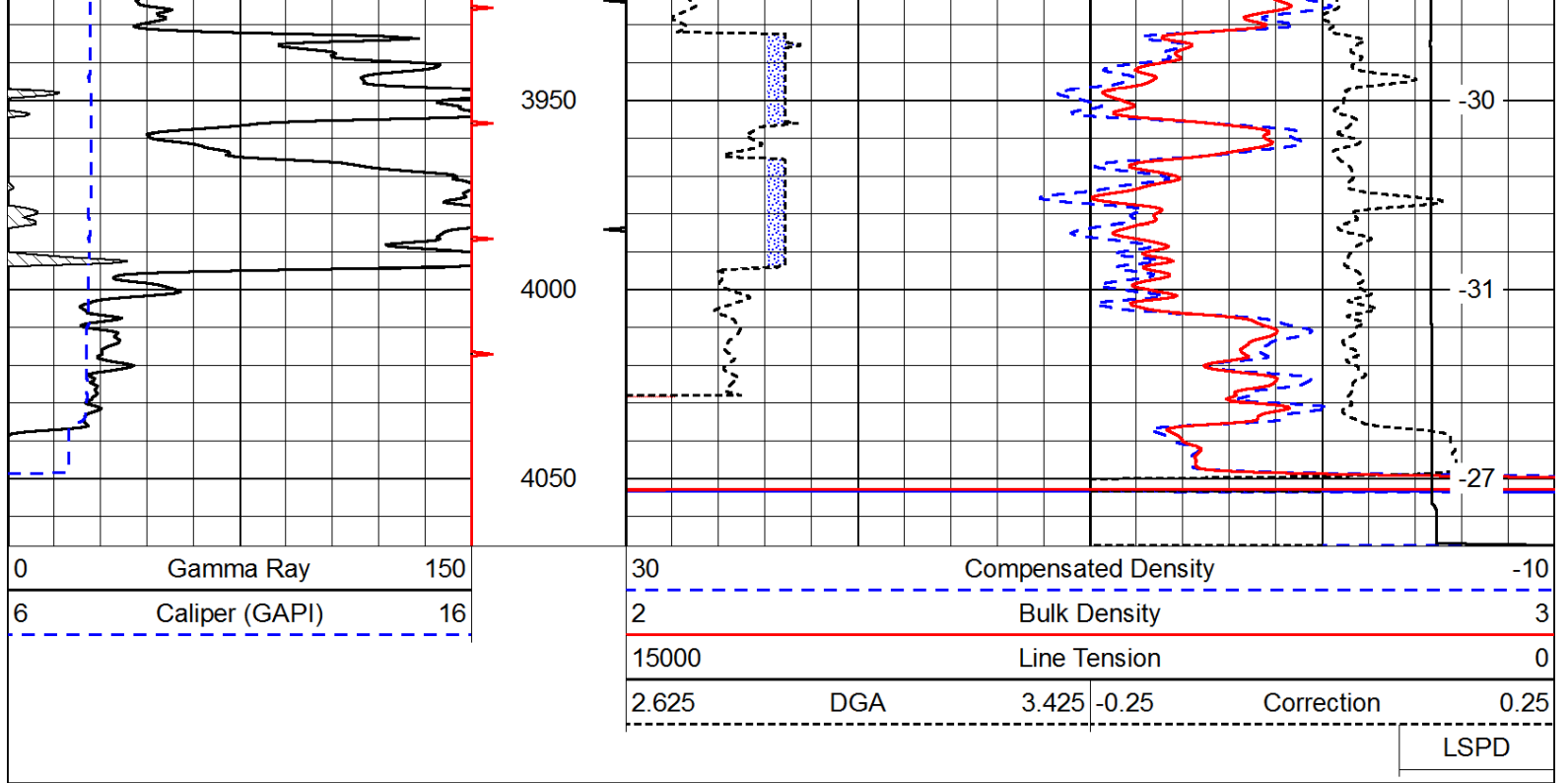
Database File: c:\warrior\data\rama_goss #1-17\rama_goss_1_17hd.db
Dataset Pathname: DIL/ramastk
Presentation Format: cdl
Dataset Creation: Sun May 04 22:21:19 2014
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

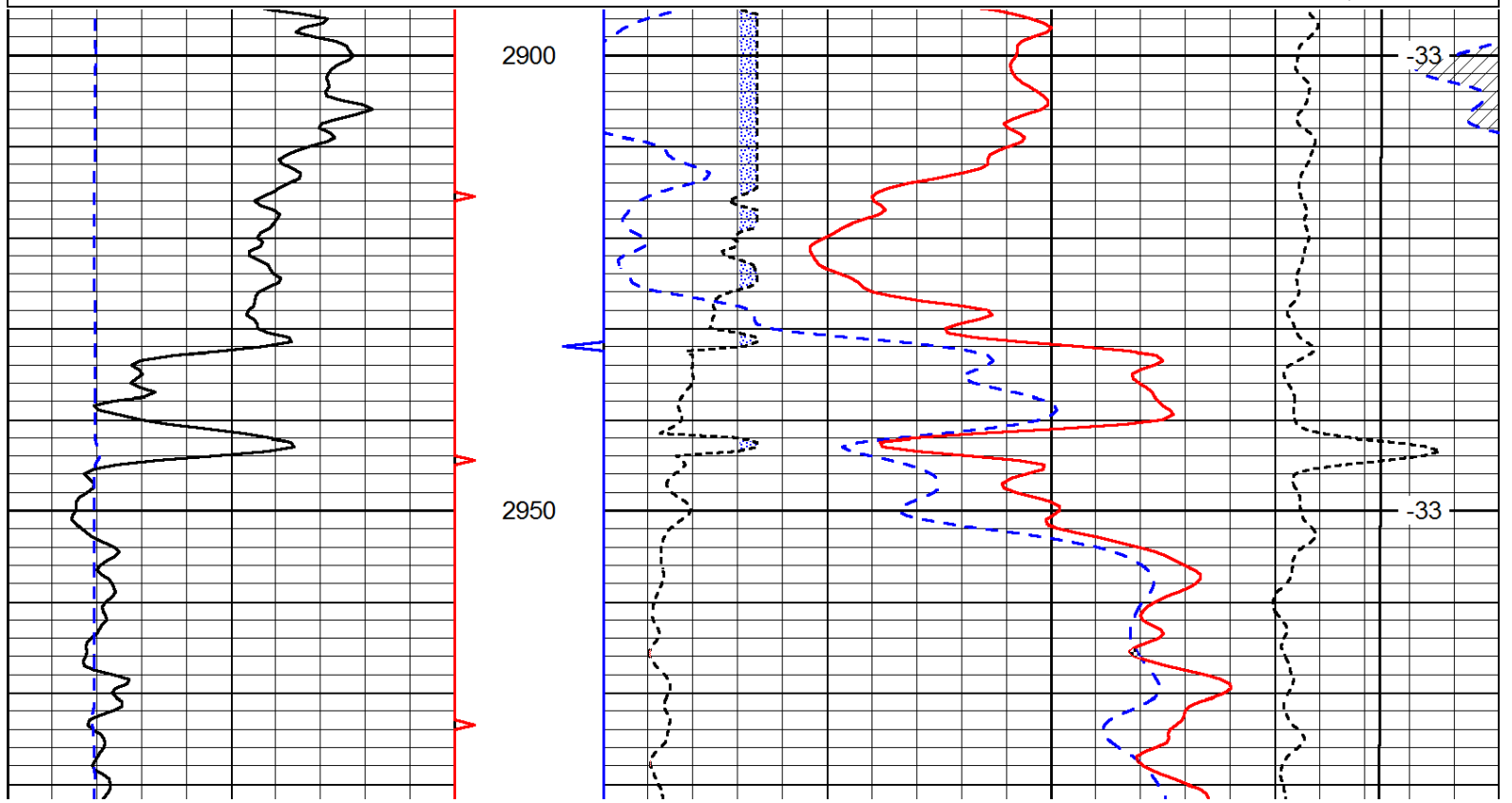
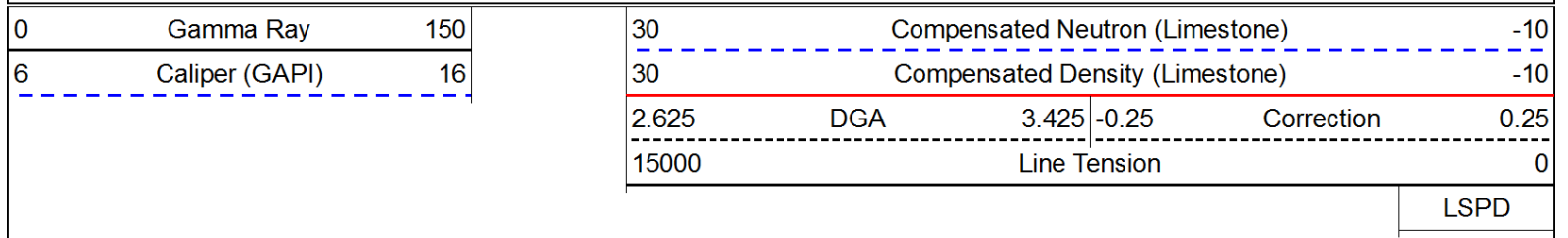
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
		Correction	0.25
			LSPD

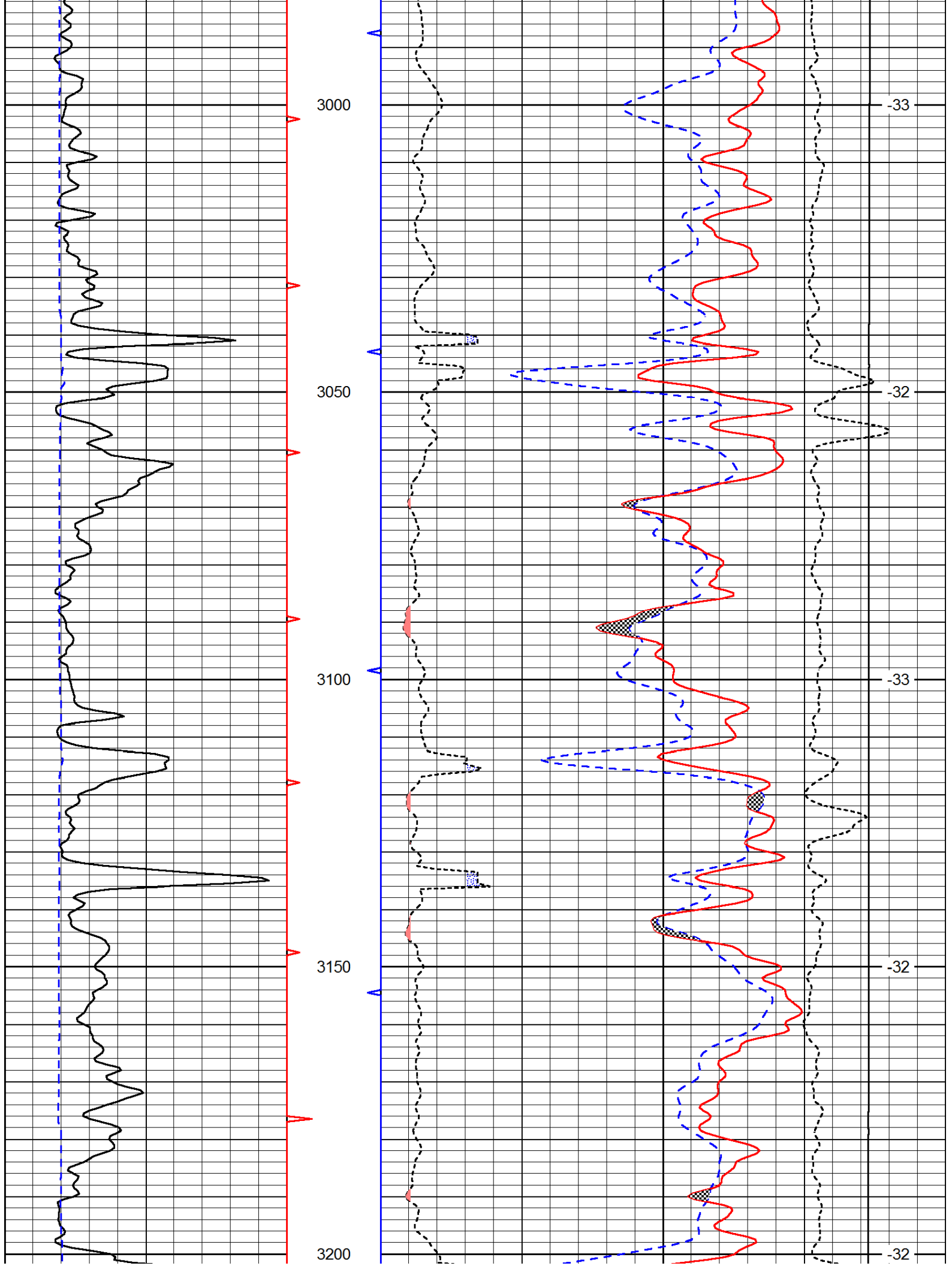


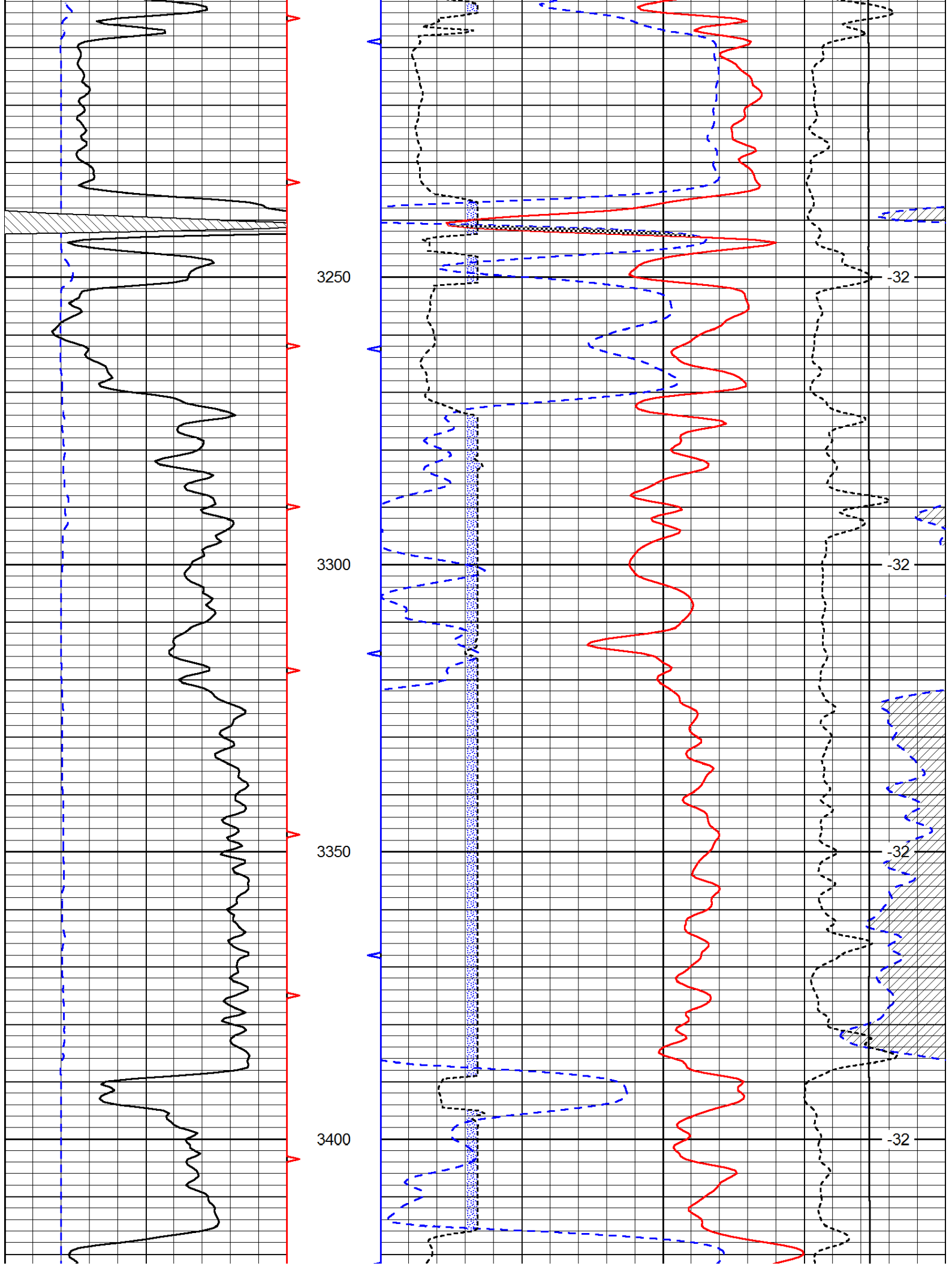


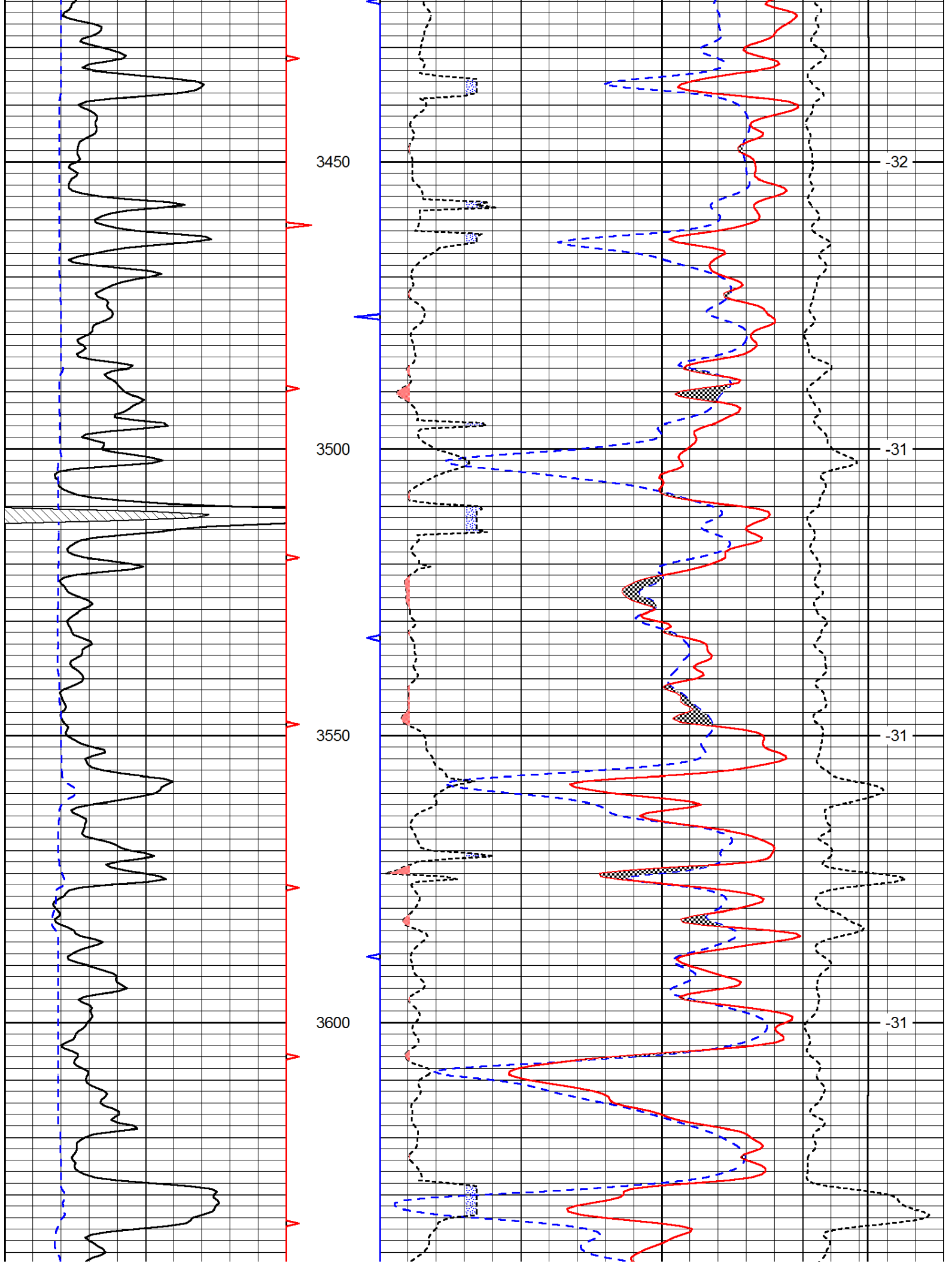


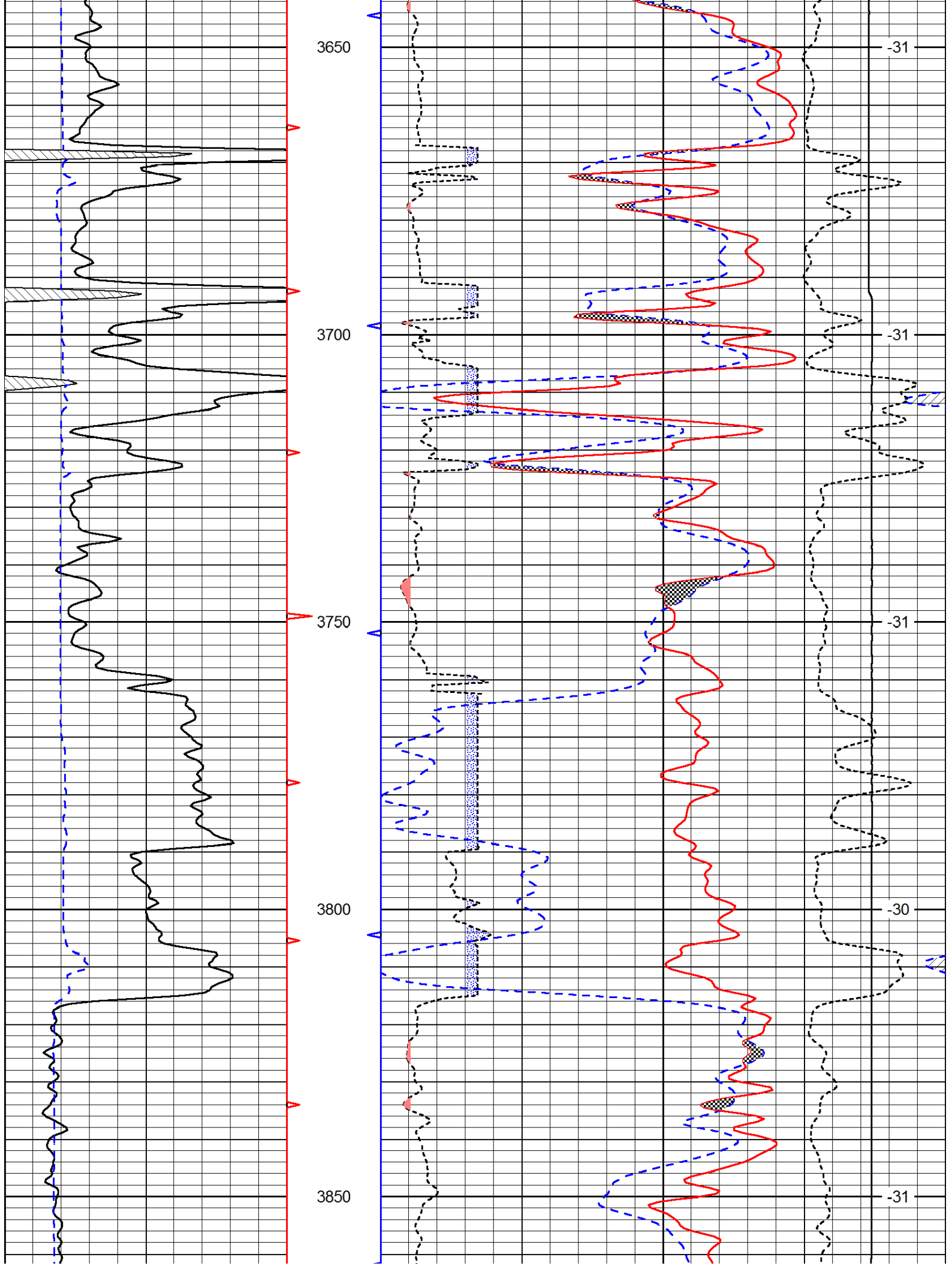
Database File: c:\warrior\data\rama_goss #1-17\rama_goss_1_17hd.db
 Dataset Pathname: DIL/ramastk
 Presentation Format: cndlspec
 Dataset Creation: Sun May 04 22:21:19 2014
 Charted by: Depth in Feet scaled 1:240

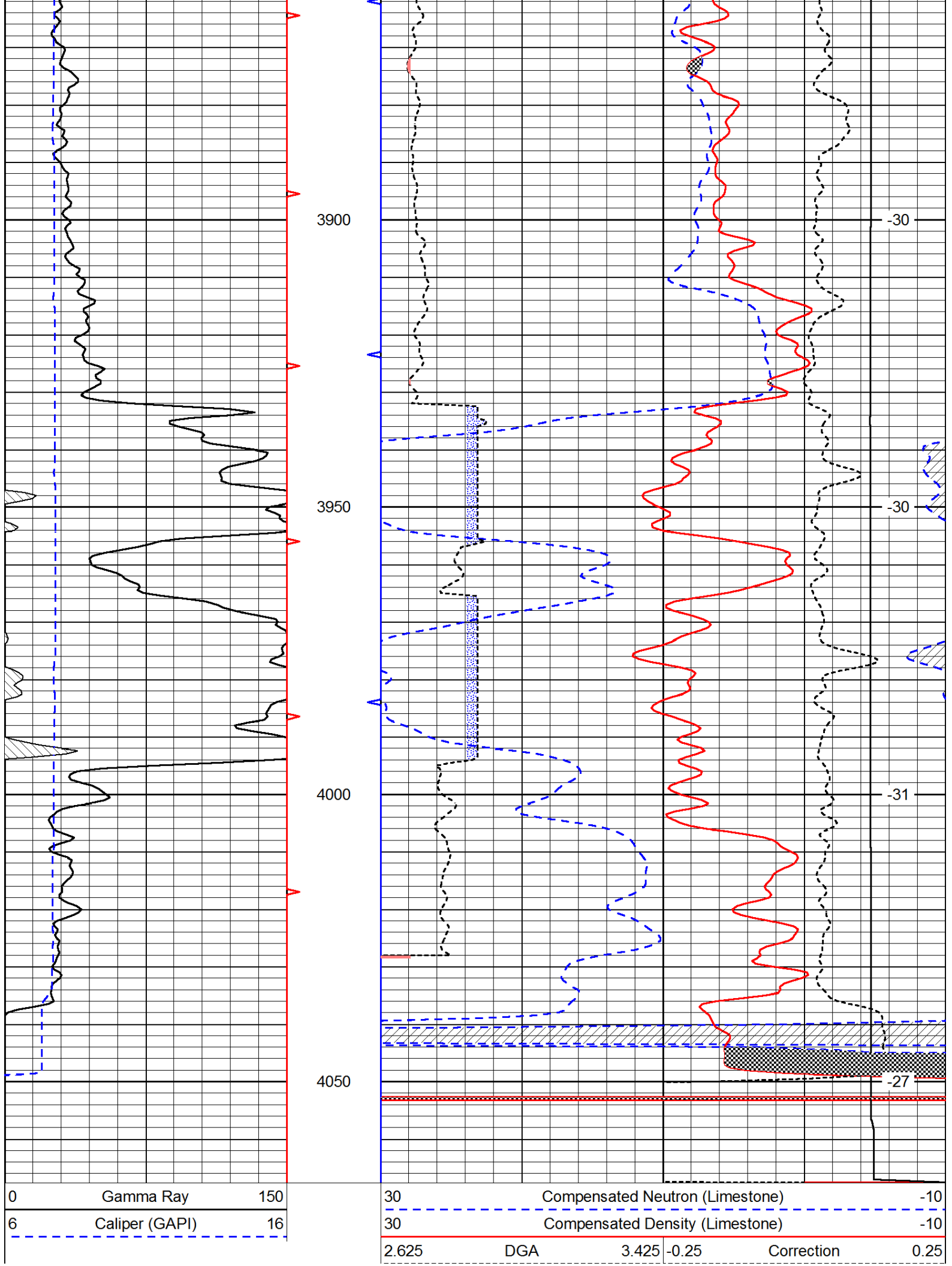












	15000	Line Tension	0
			LSPD