



Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-171-21,069-00-00

Company **Landmark Resources, Inc.**
Well **Janzen Unit #1-1**
Field **Wildcat**
County **Scott** State **Kansas**

Location
1627' FSL & 320' FEL

Other Services
DIL
MEI/BHCS

Sec: 1 Twp: 17S Rge: 34W

Permanent Datum Ground Level Elevation 3091
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 3102
D.F.
G.L. 3091

Date 5/30/2014

Run Number One

Type Log CNL / CDL

Depth Driller 4820

Depth Logger 4823

Bottom Logged Interval 4802

Top Logged Interval 3500

Type Fluid In Hole Chemical

Salinity, PPM CL 4500

Density 9.3

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 5 Hours

Equipment -- Location 15 Days

Recorded By D Kerr

Witnessed By Terry McLeod

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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1	12.25	00	267	8.625	24#	00	267
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2	7.875	267	4820				
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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.

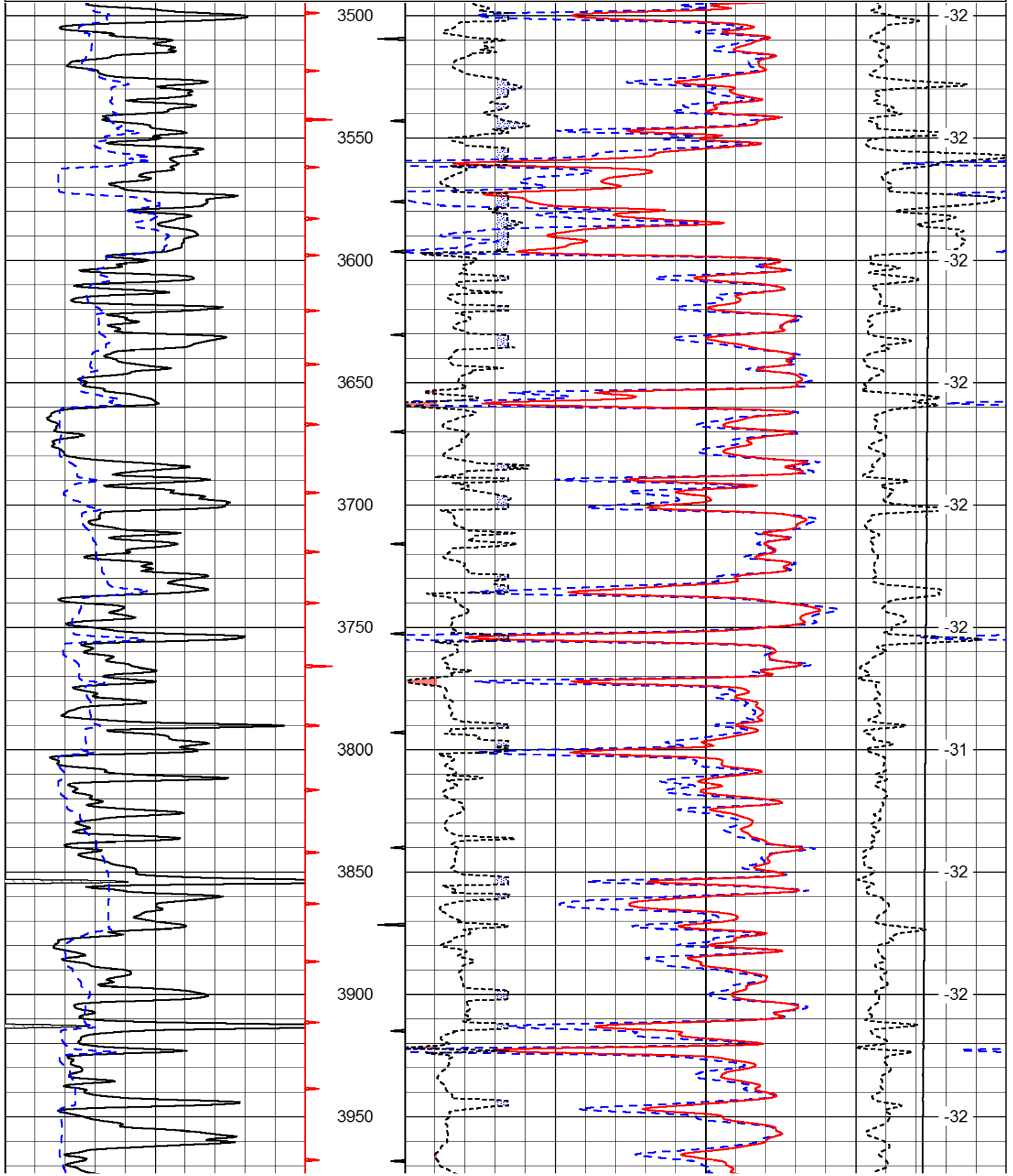
Comments

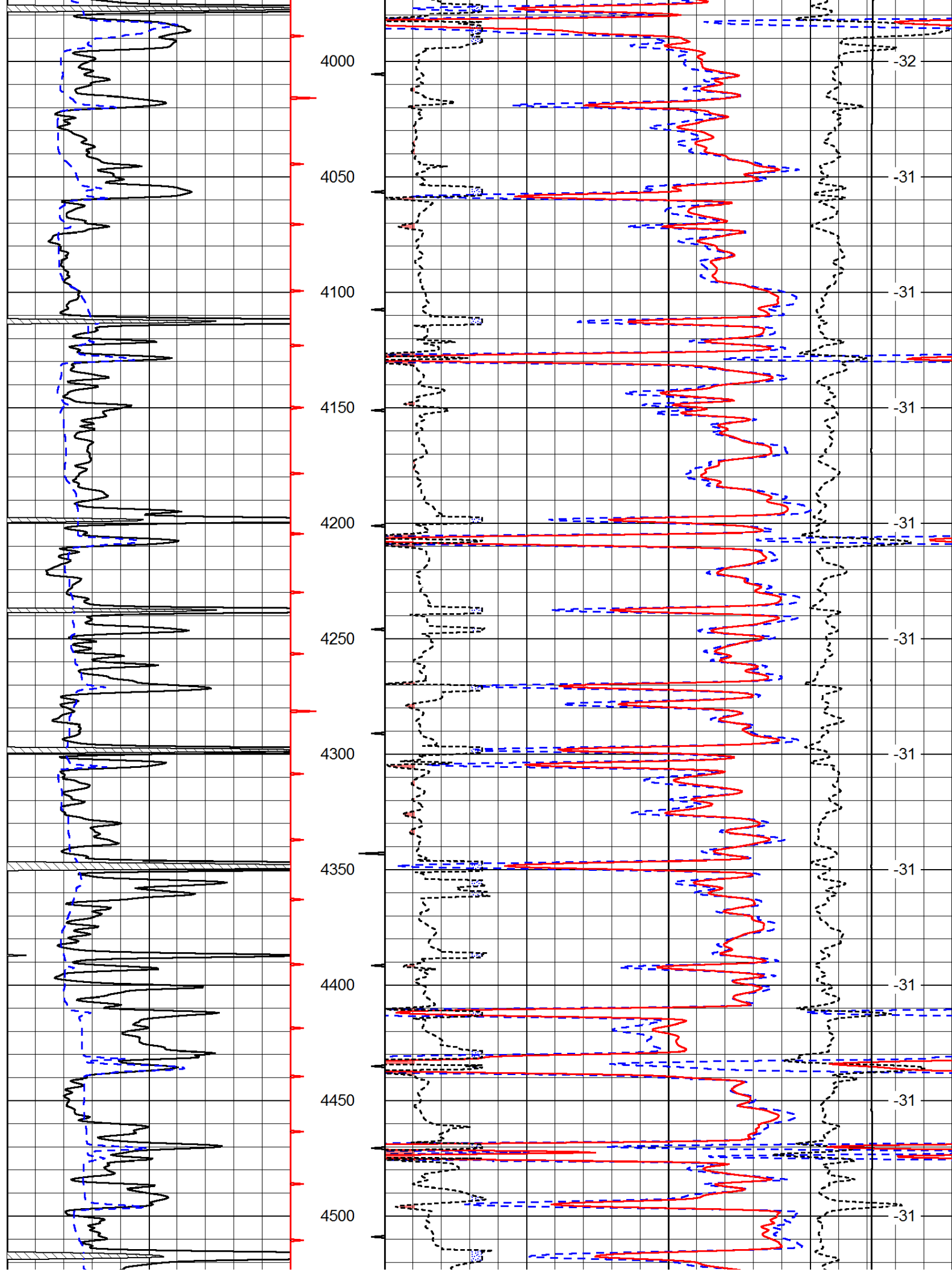
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

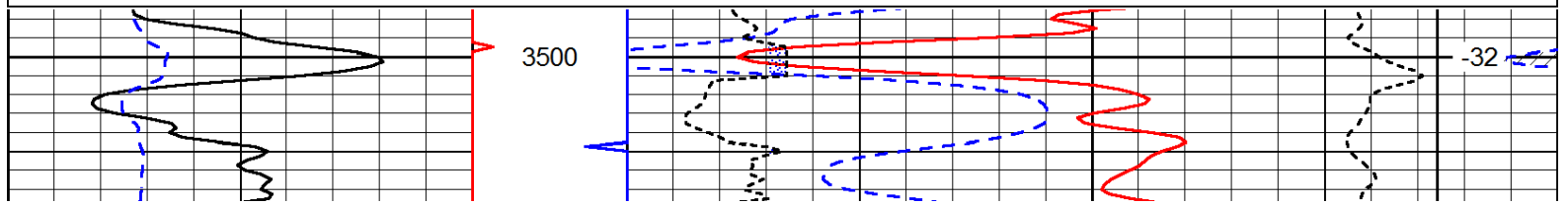
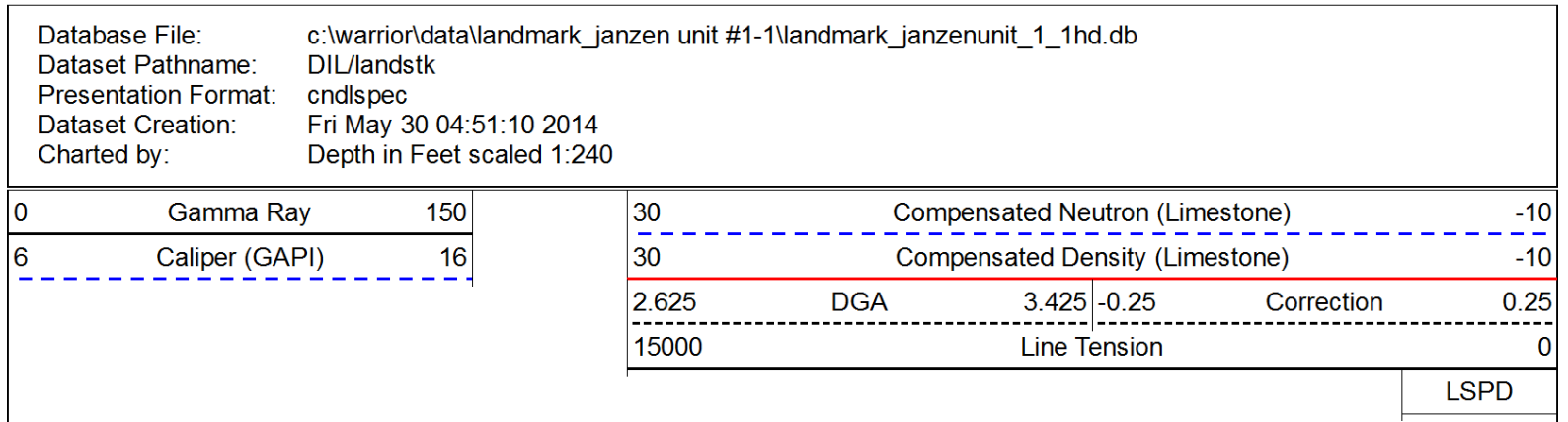
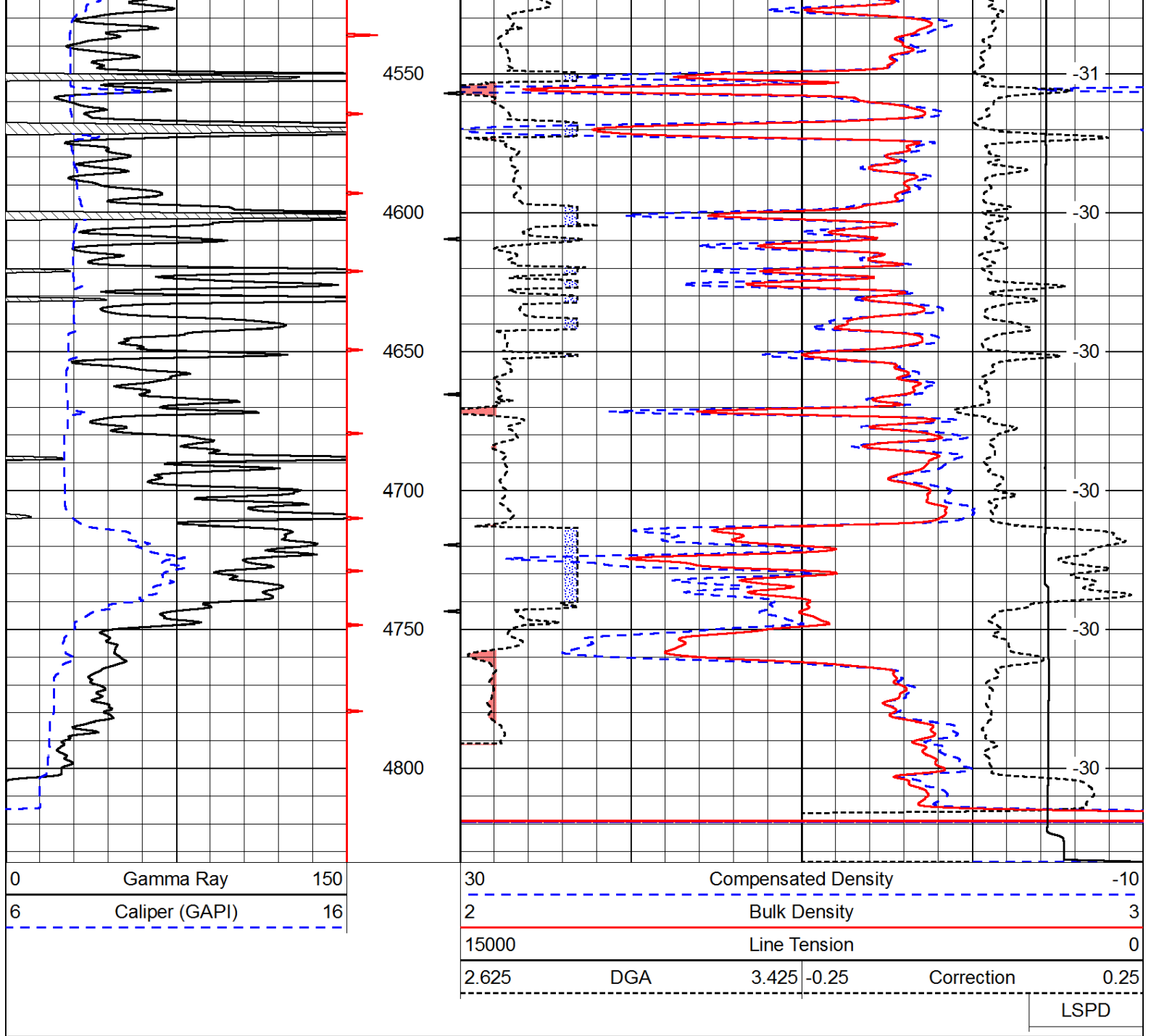
Oakley KS, South to HWY 4 and HWY 83,
6 West, 1/2 North, West Into

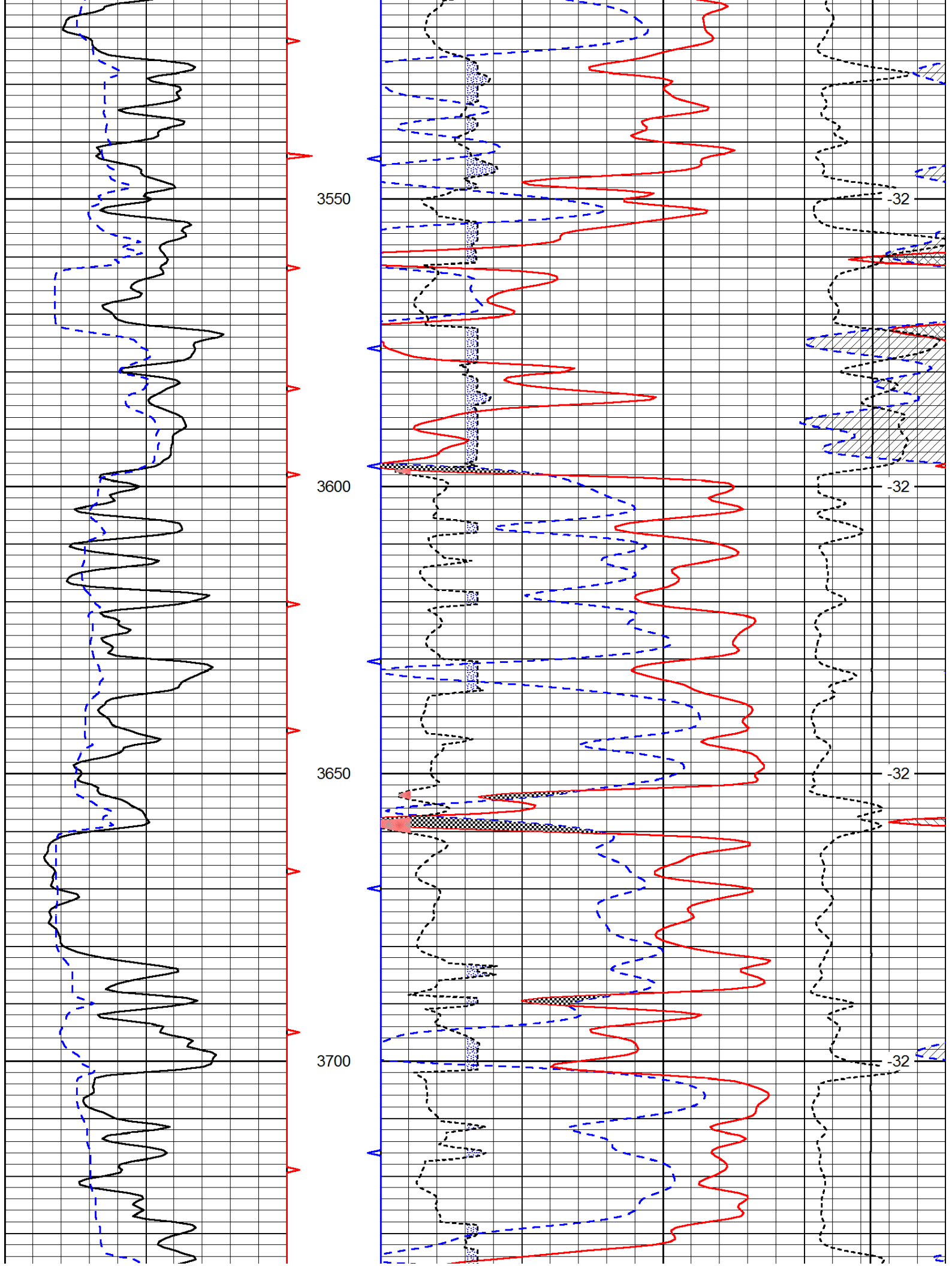
Database File: c:\warrior\data\landmark_janzen unit #1-1\landmark_janzenunit_1_1hd.db
Dataset Pathname: DIL/landstk
Presentation Format: cdl
Dataset Creation: Fri May 30 04:51:10 2014
Charted by: Depth in Feet scaled 1:600

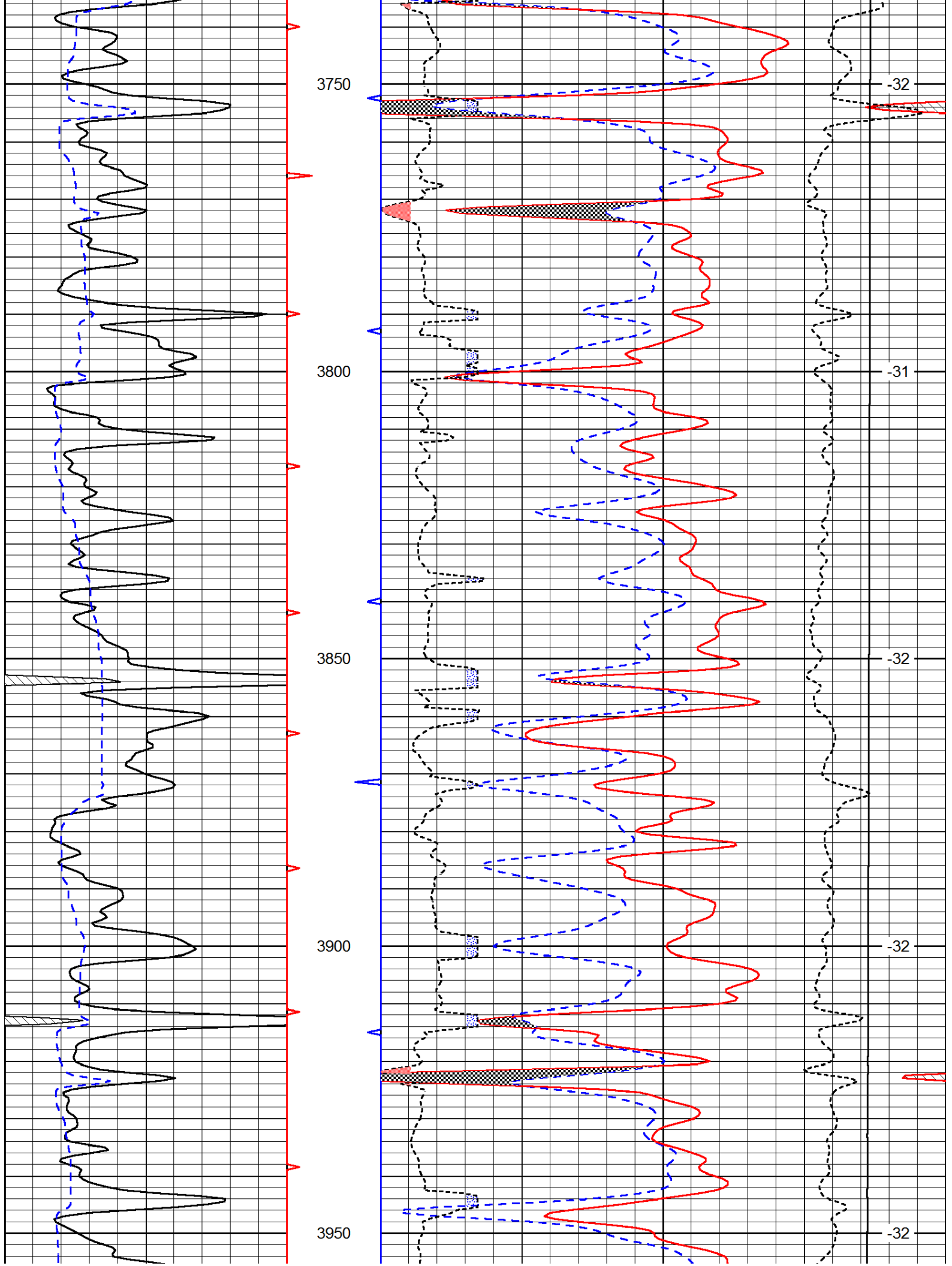
Charted by: Depth in Feet scaled 1:500					
0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			2.625	DGA	3.425
			-0.25	Correction	0.25
			LSPD		

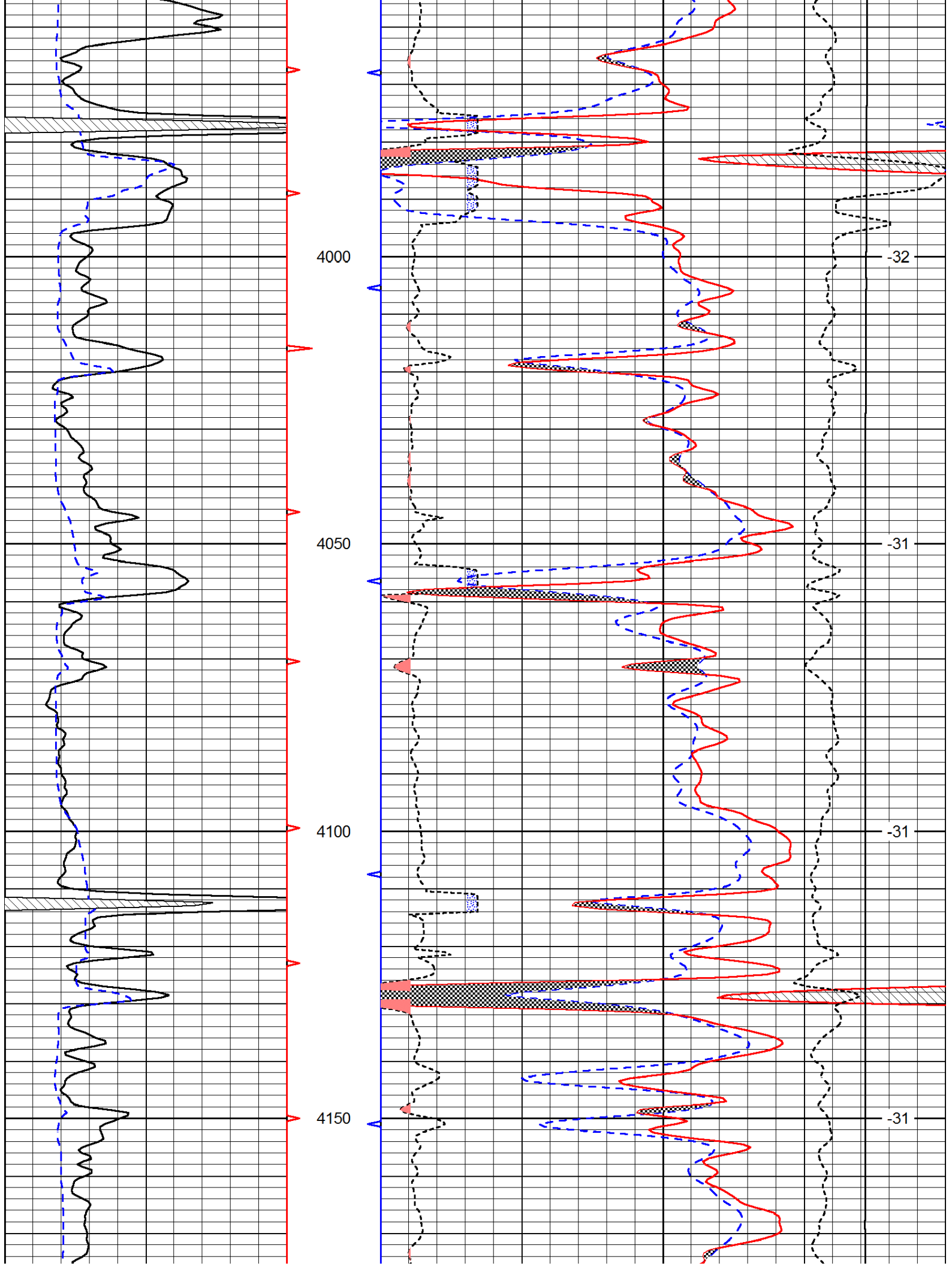


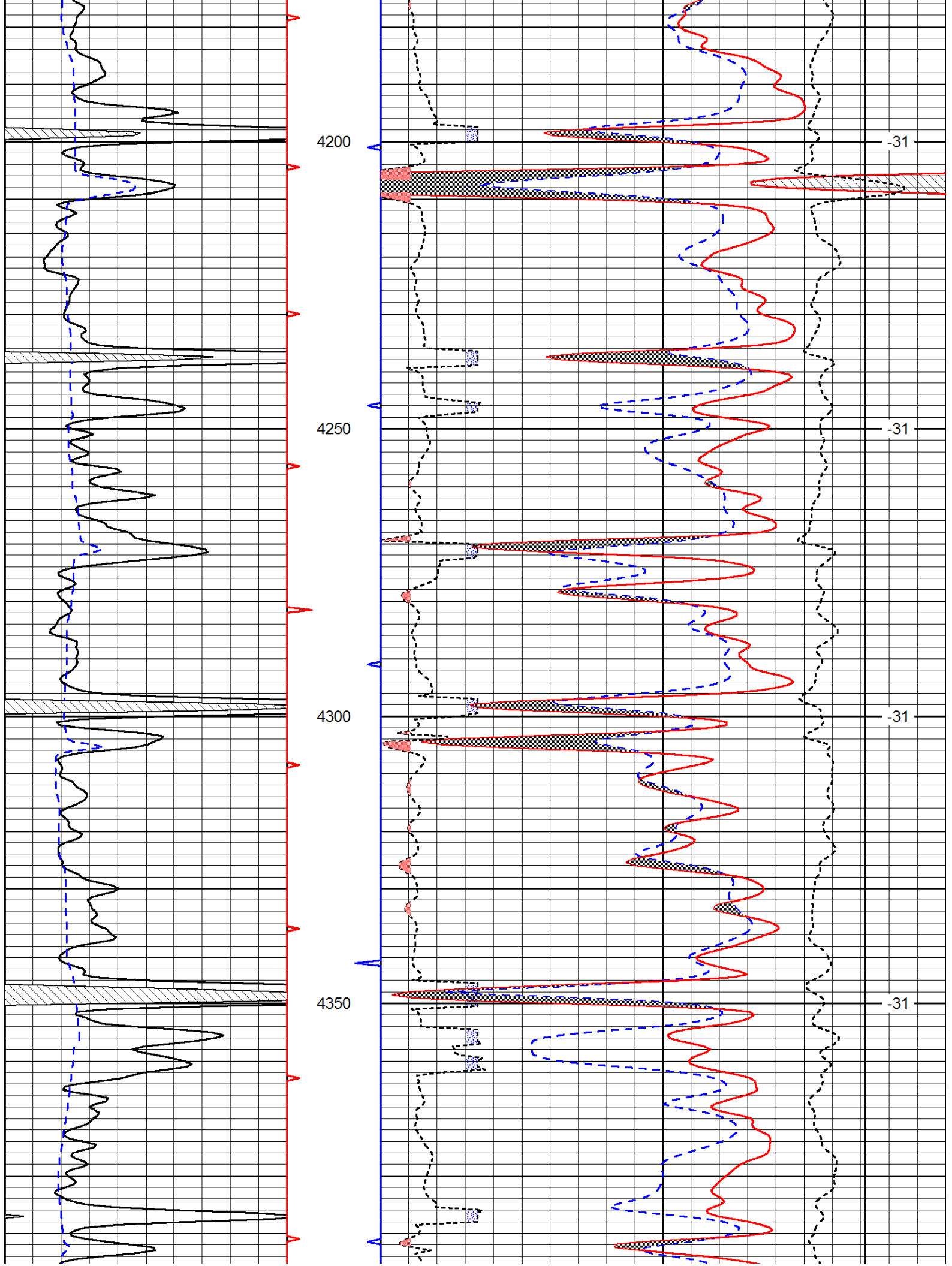


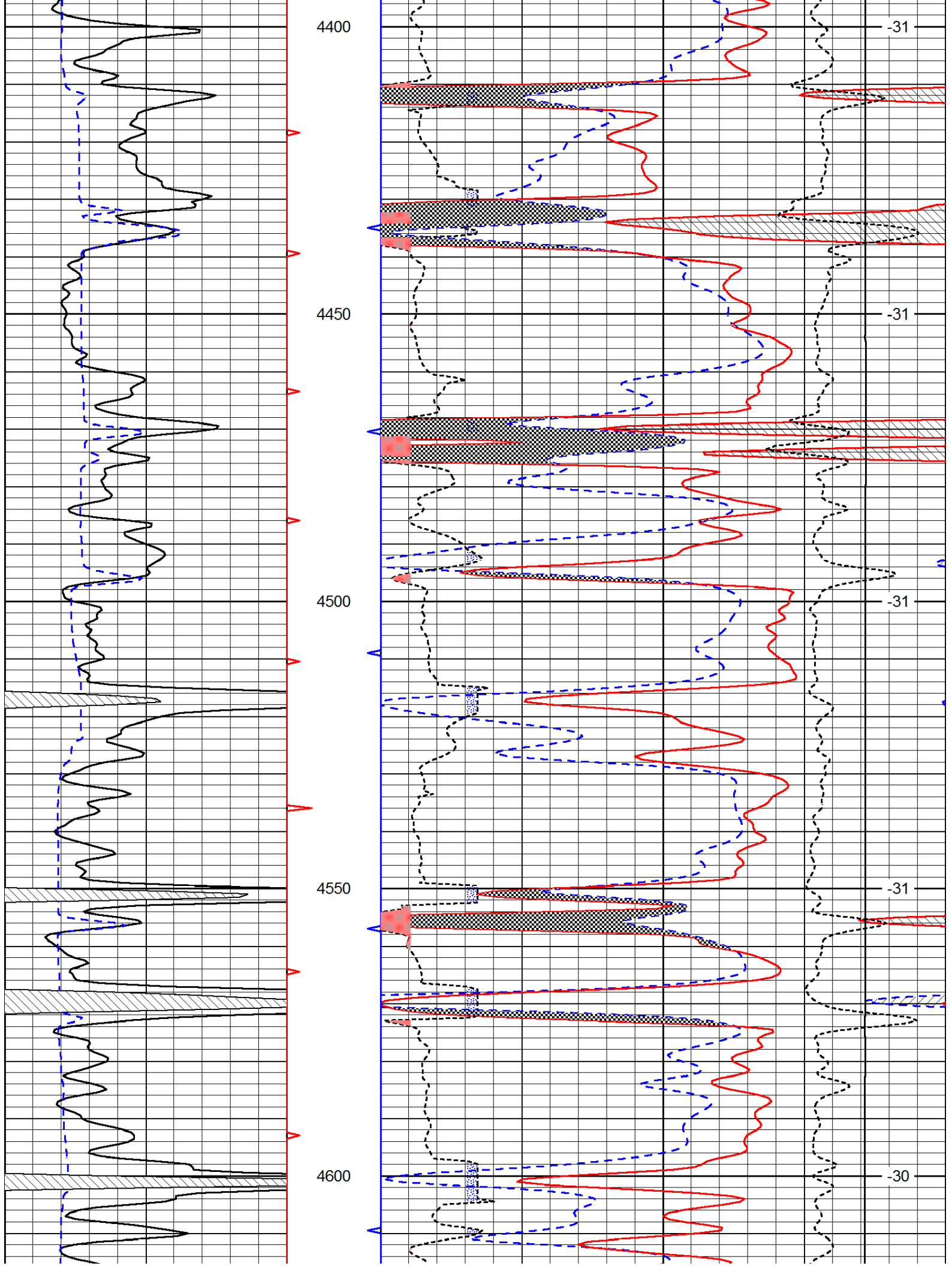


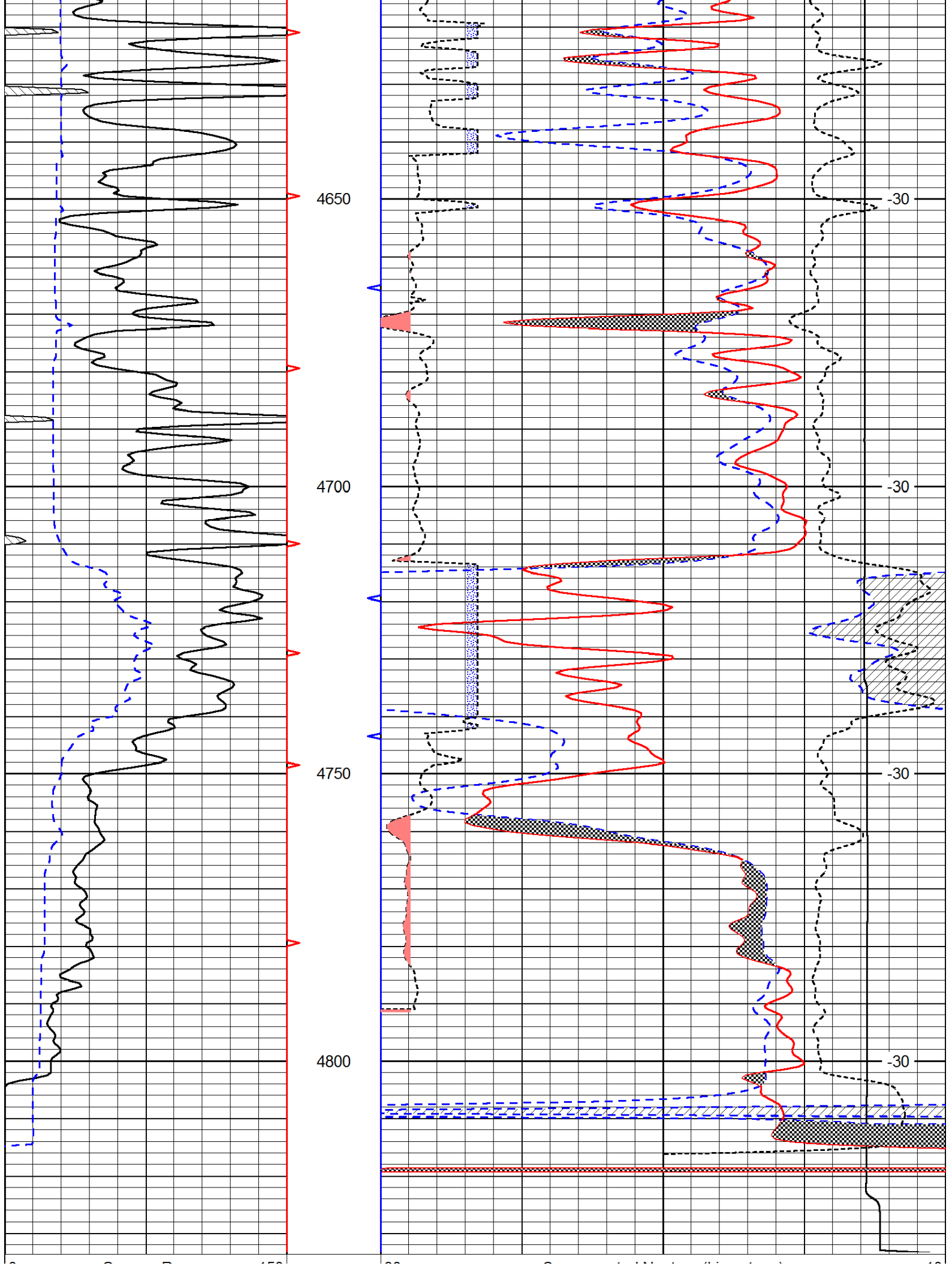












0	Gamma Ray	150
6	Caliper (GAPI)	16

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