



Pioneer Energy Services

Dual Compensated Porosity Log

15-083-20,287-00-01

API No.

Company **American Warrior, Inc.**
 Well **Burke SWDW No.1-4**
 Field **Saw Log Creek Southeast**
 County **Hodgeman** State **Kansas**

Location

660' FSL & 660' FWL

Sec: 4

Twp: 24S

Rge: 21W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 2368
 Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

Elevation
K.B. 2379
D.F.
G.L. 2368

Date	10/20/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	5500	
Depth Logger	5505	
Bottom Logged Interval	5484	
Top Logged Interval	4300	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	9,000	
Density	9.0	
Level	Full	
Max. Rec. Temp. F	131	
Operating Rig Time	3 Hours	
Equipment -- Location	17 Hays	
Recorded By	C. Desaire	
Witnessed By	Kevin Timson	

Borehole Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	263	8.625	24#	00	263
2	7.875	263	5500				

Casing Record

<<< 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

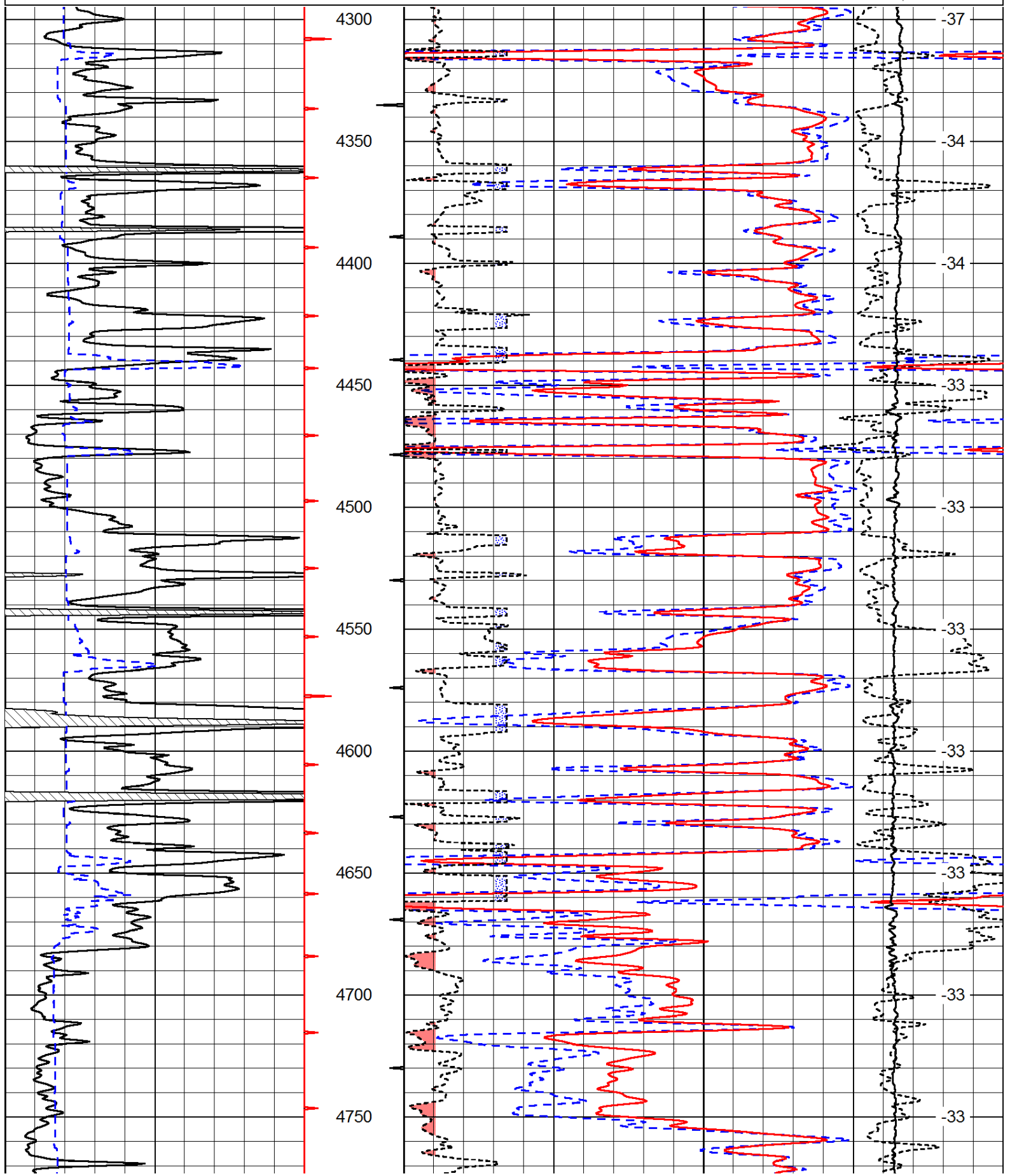
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

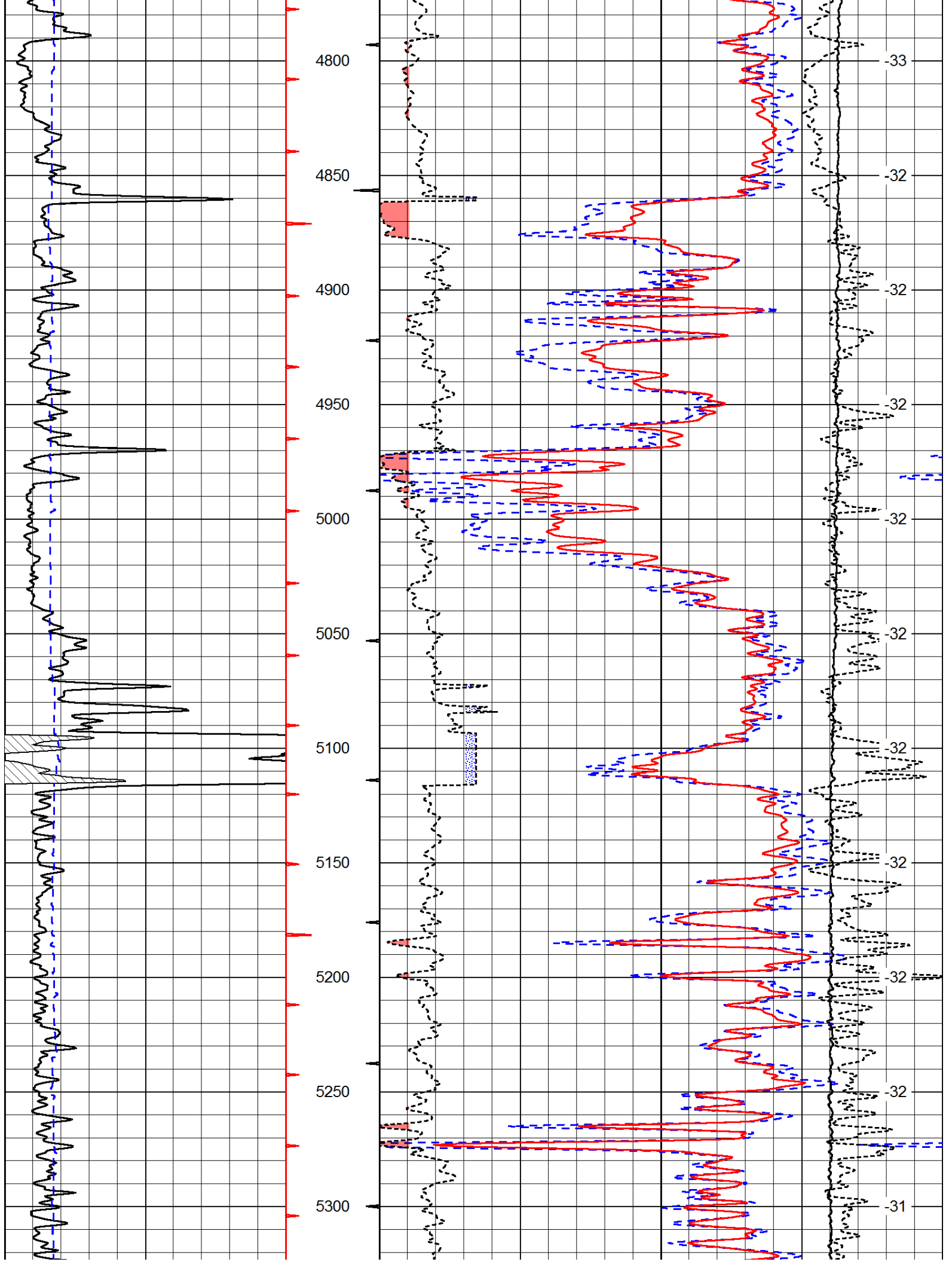
Hanston KS, 8 S to H Rd,
 4 E, 2 S, 1/4 E, 1/8 N, W Into

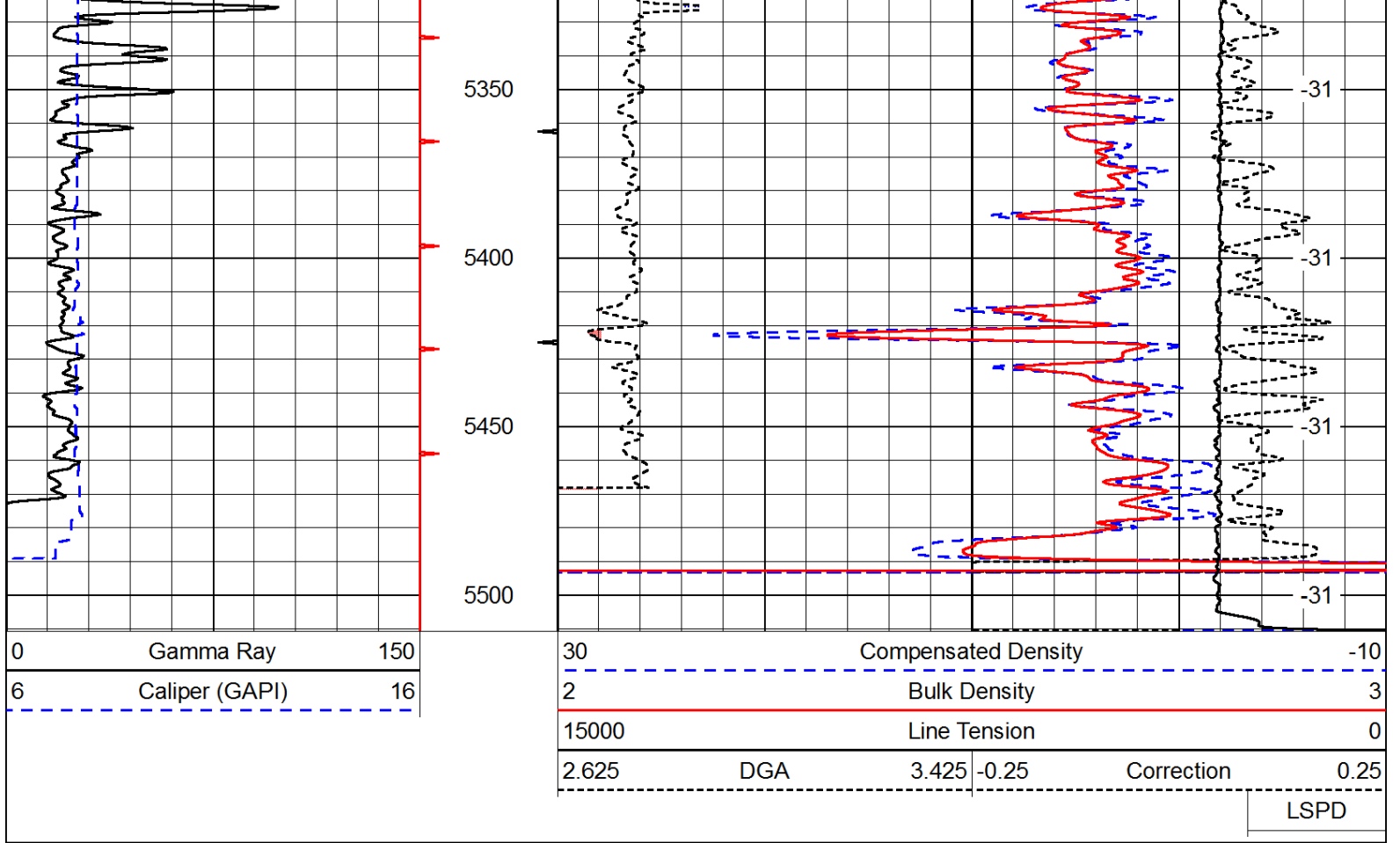
Database File: c:\warrior\data\amwar_burke swdw no.1-4\awhd.db
 Dataset Pathname: dil/awstkt
 Presentation Format: cdl
 Dataset Creation: Sat Oct 20 21:44:00 2012
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

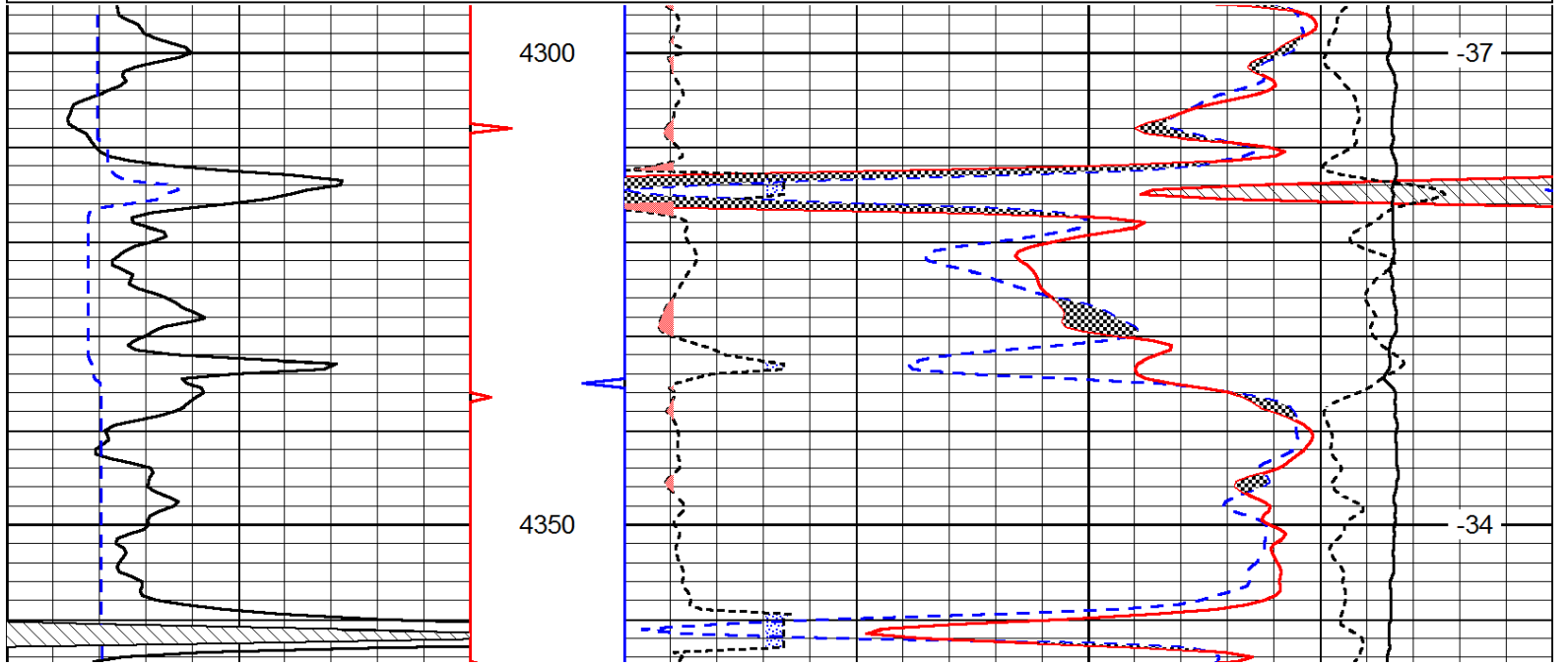
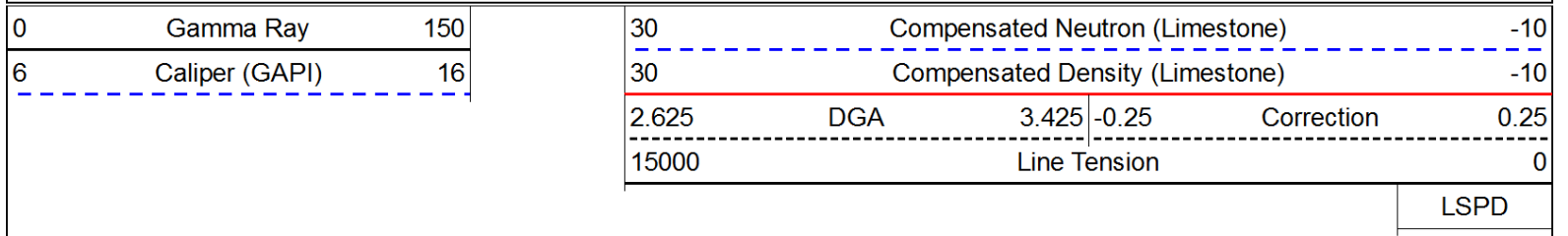
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
		Correction	0.25
			LSPD

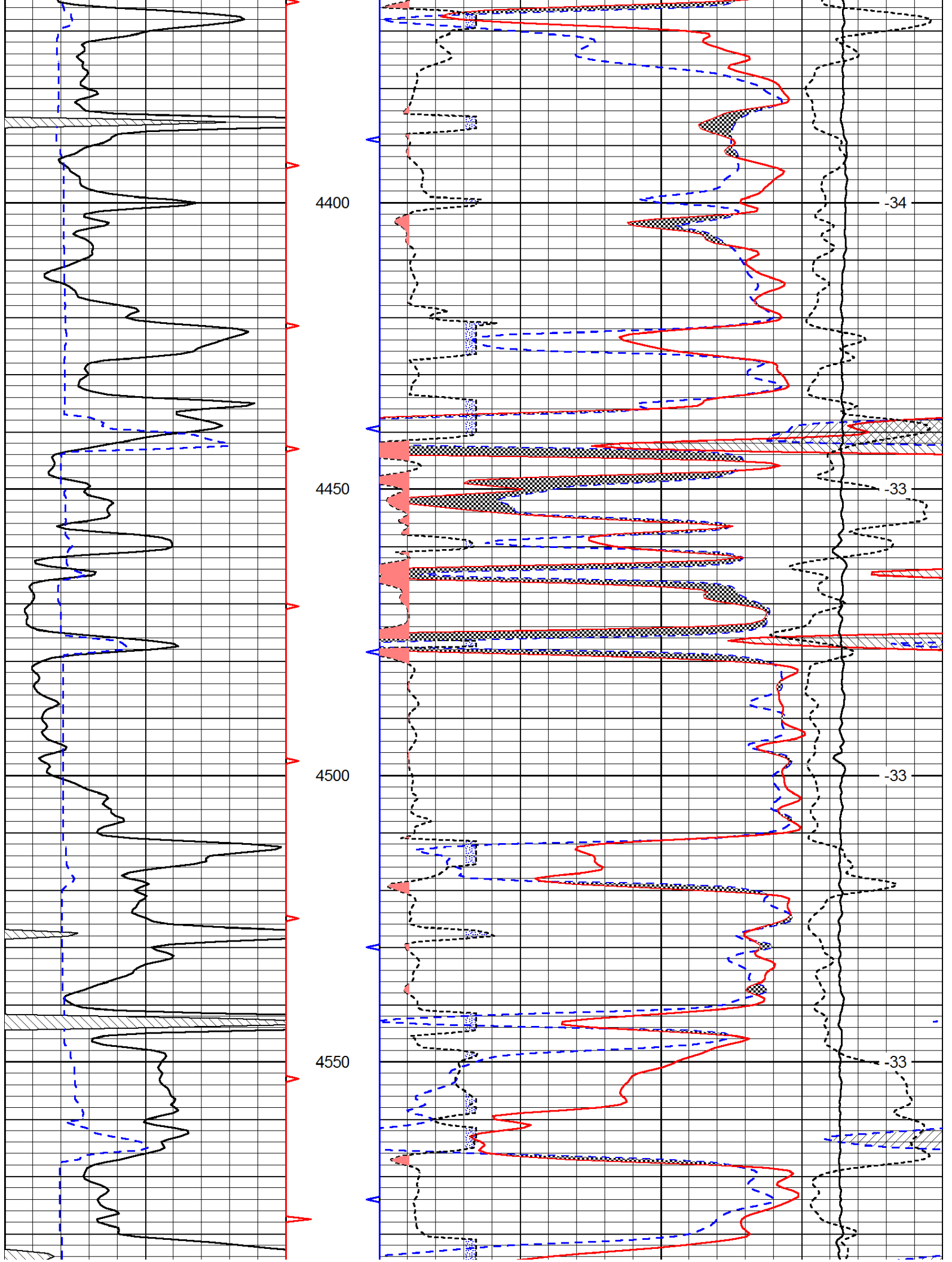


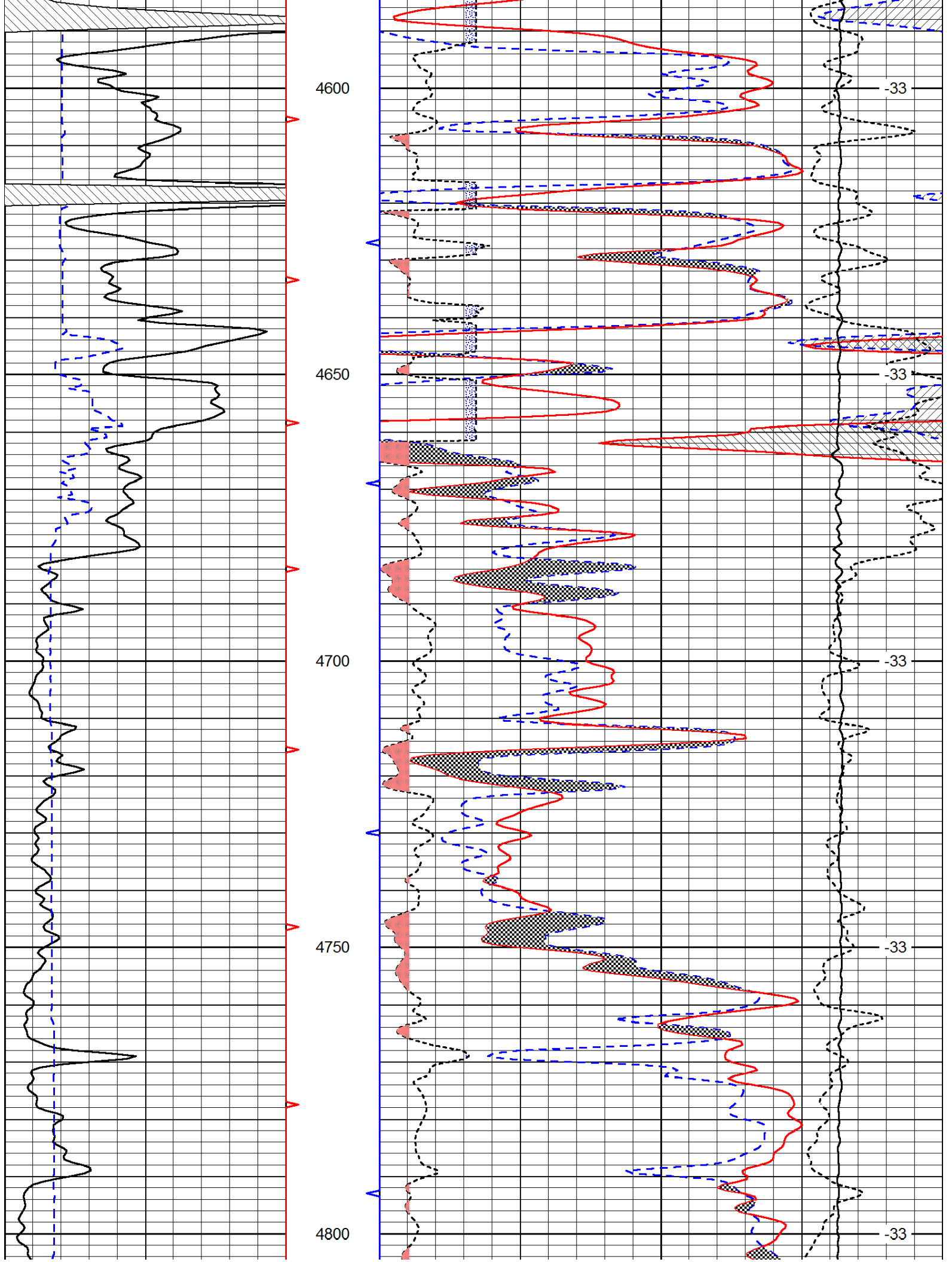


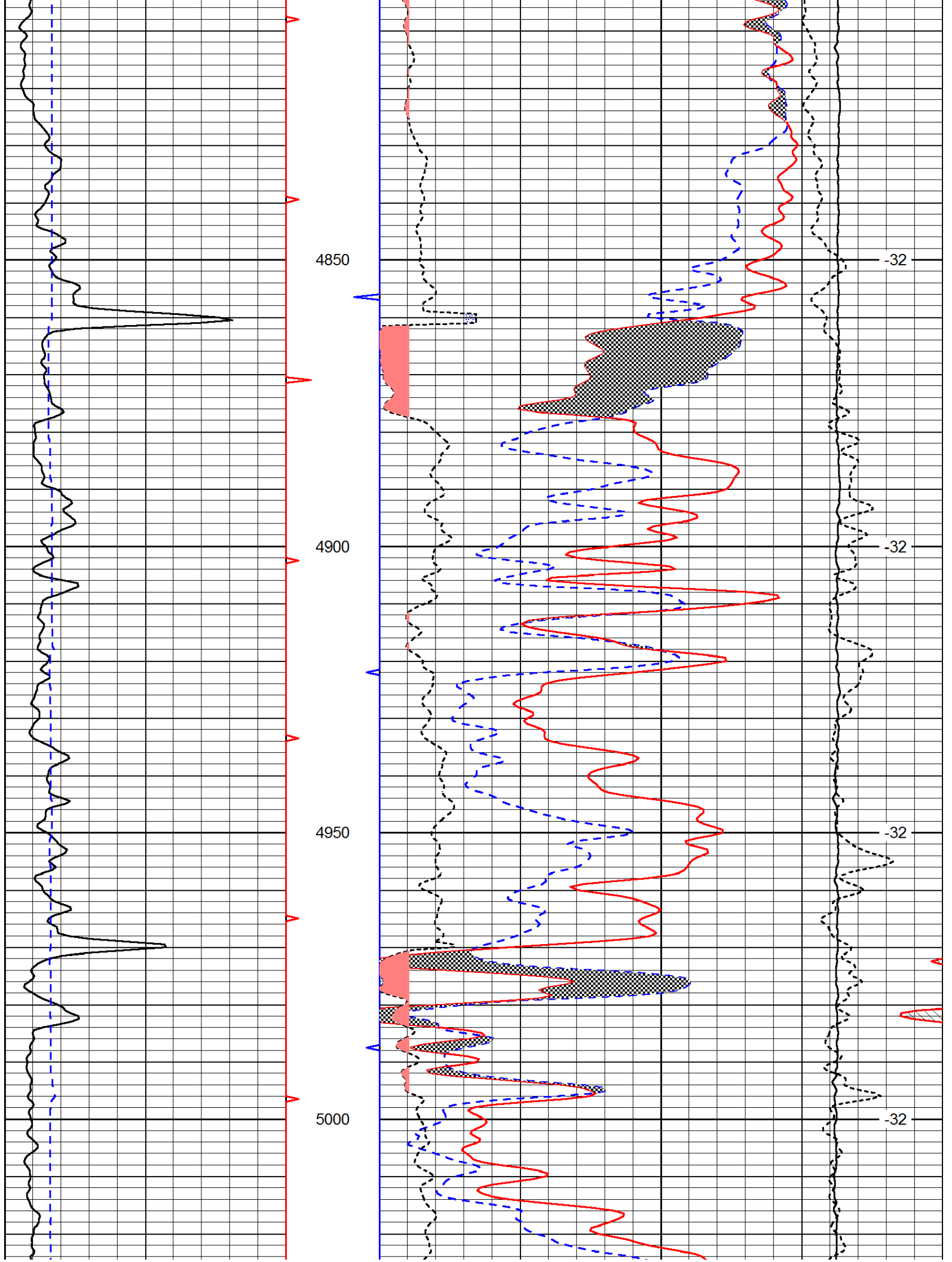


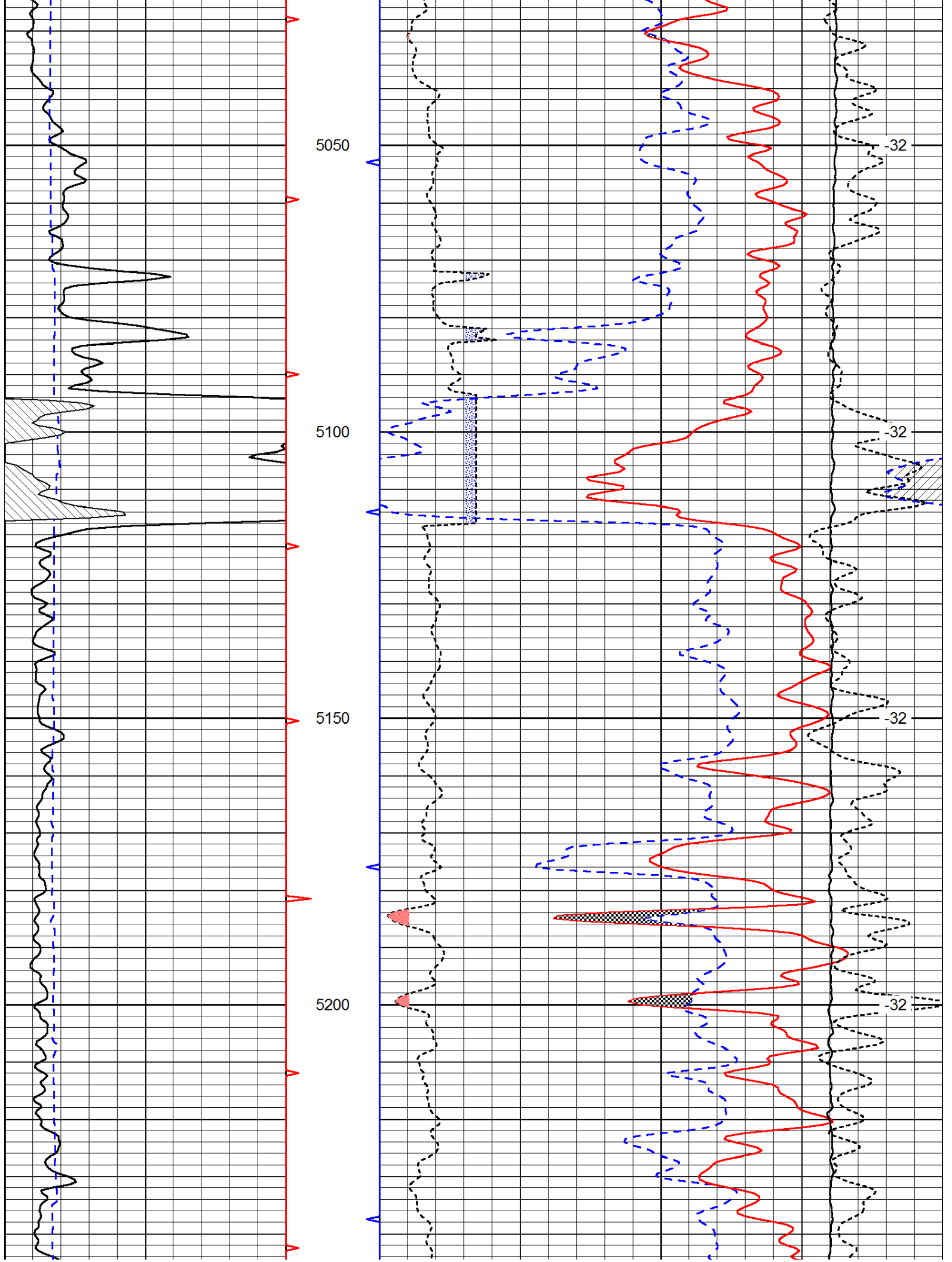
Database File: c:\warrior\data\amwar_burke swdw no.1-4\awhd.db
 Dataset Pathname: dil/awstk
 Presentation Format: cndlspec
 Dataset Creation: Sat Oct 20 21:44:00 2012
 Charted by: Depth in Feet scaled 1:240

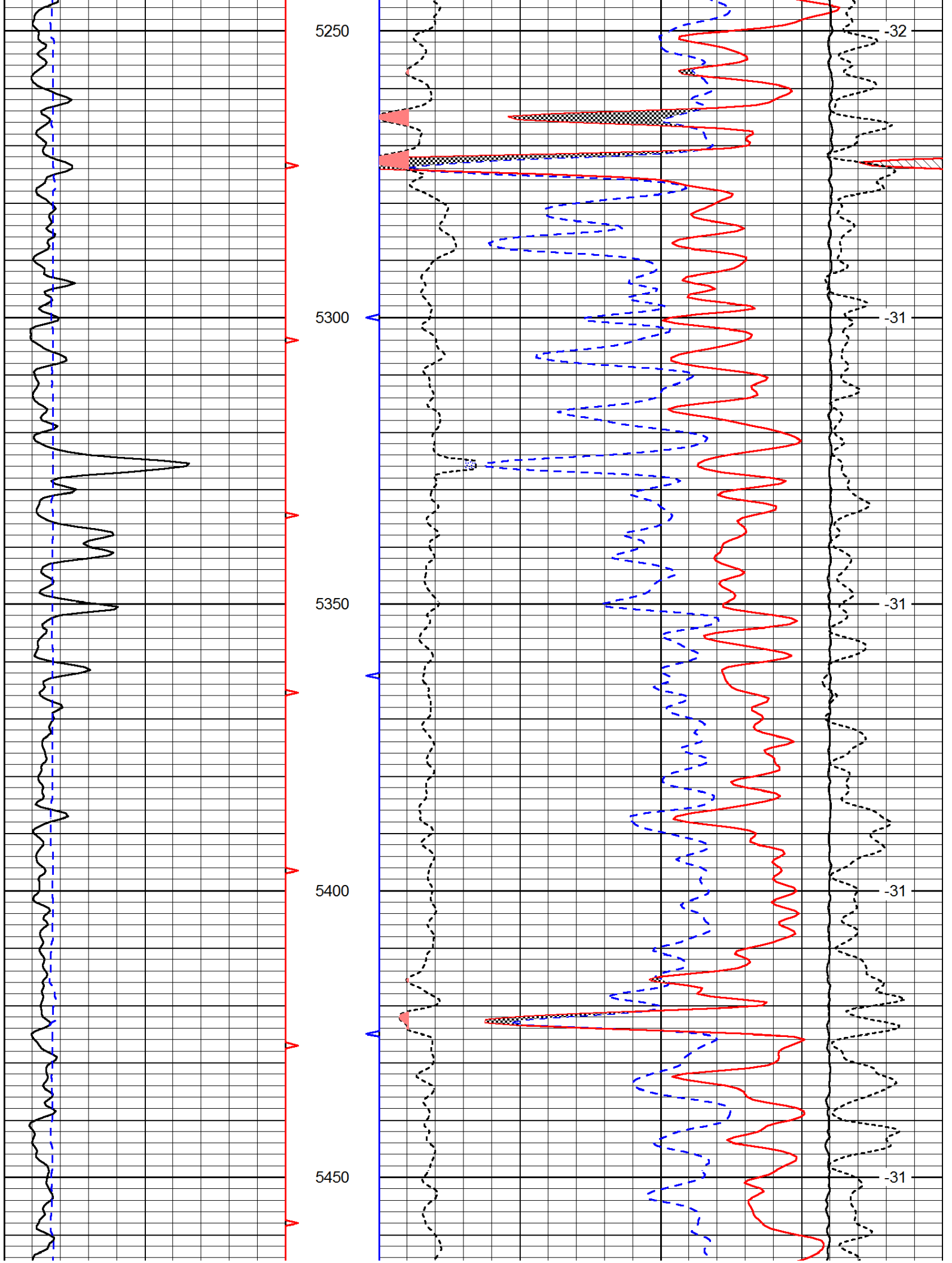


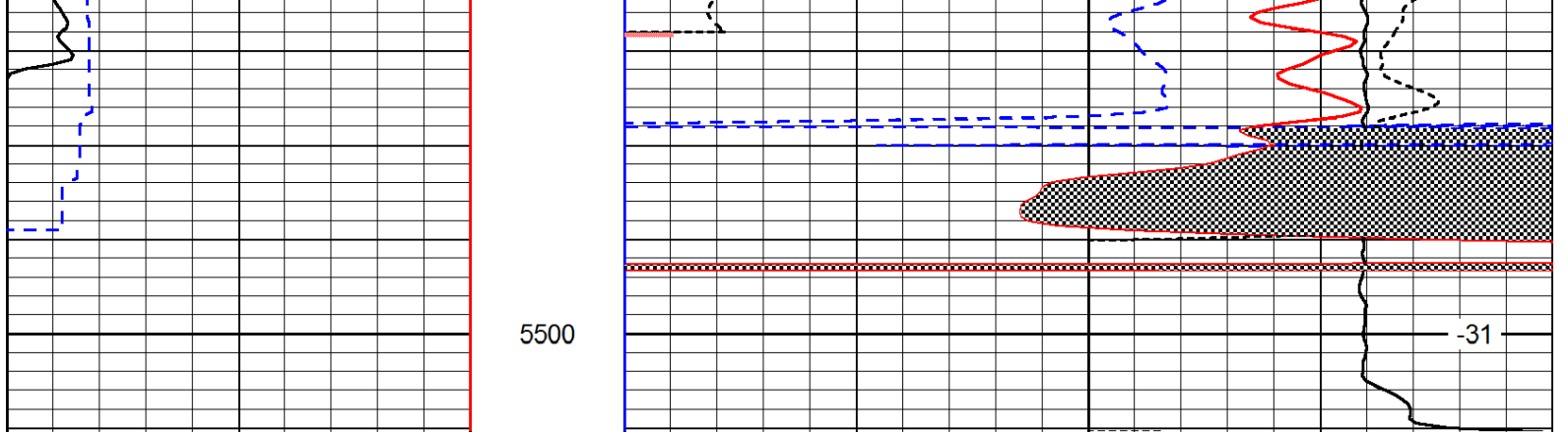












0	Gamma Ray	150
6	Caliper (GAPI)	16

5500

-31

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