



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-171-21079-00-00

Company **Landmark Resources, Inc.**
Well **Sleeping Indian #1-11**
Field **Capstone South**
County **Scott** State **Kansas**

Location **1009' FNL & 1777' FEL**

Sec: **11** Twp: **17S** Rge: **34W**

Other Services
DIL
BHCS

Permanent Datum **Ground Level** Elevation **3105**
Log Measured From **Kelly Bushing** 11 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Elevation
K.B. 3116
D.F.
G.L. 3105

Date **7/26/2014**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **4880**

Depth Logger **4880**

Bottom Logged Interval **4859**

Top Logged Interval **3500**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **5000**

Density **9.3**

Level **Full**

Max. Rec. Temp. F **127**

Operating Rig Time **5 Hours**

Equipment -- Location **91 Hays**

Recorded By **D. Schmidt**

Witnessed By **Terry McLeod**

Borehole Record

Casing Record

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

1	12.25	00	249	8.625	24#	00	249
---	-------	----	-----	-------	-----	----	-----

2	7.875	249	4880				
---	-------	-----	------	--	--	--	--

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

<<< Fold Here >>>

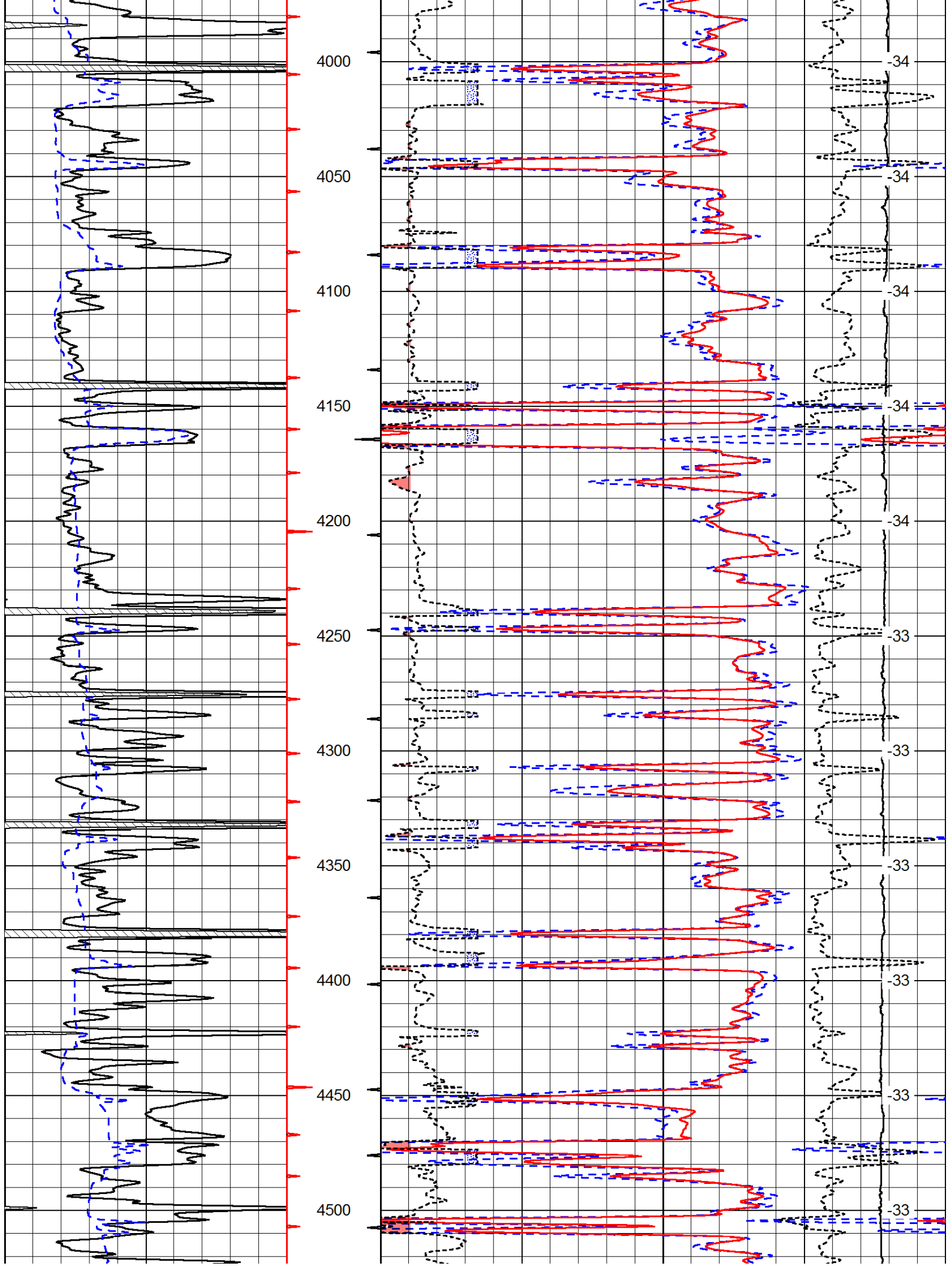
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

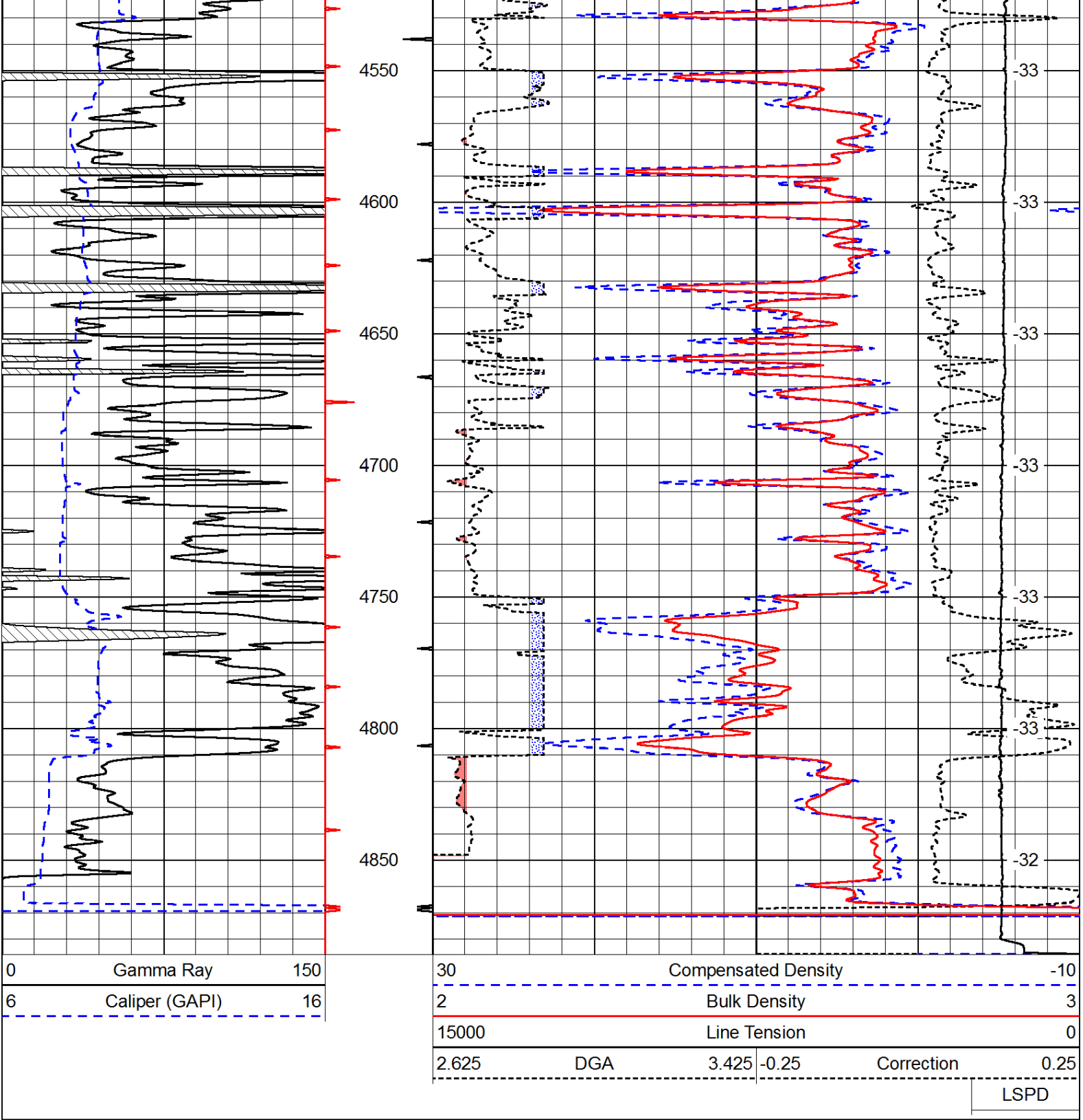
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Scott City,
North to Hwy 83 & Hwy 4 Junction,
7 1/4 West, South into

Database File: c:\warrior\data\landmark_sleeping indian #1-11\landmark_sleeping indian_1-11hd.db
Dataset Pathname: dil\lmstack
Presentation Format: cdl
Dataset Creation: Sat Jul 26 19:11:43 2014
Charted by: Depth in Feet scaled 1:600

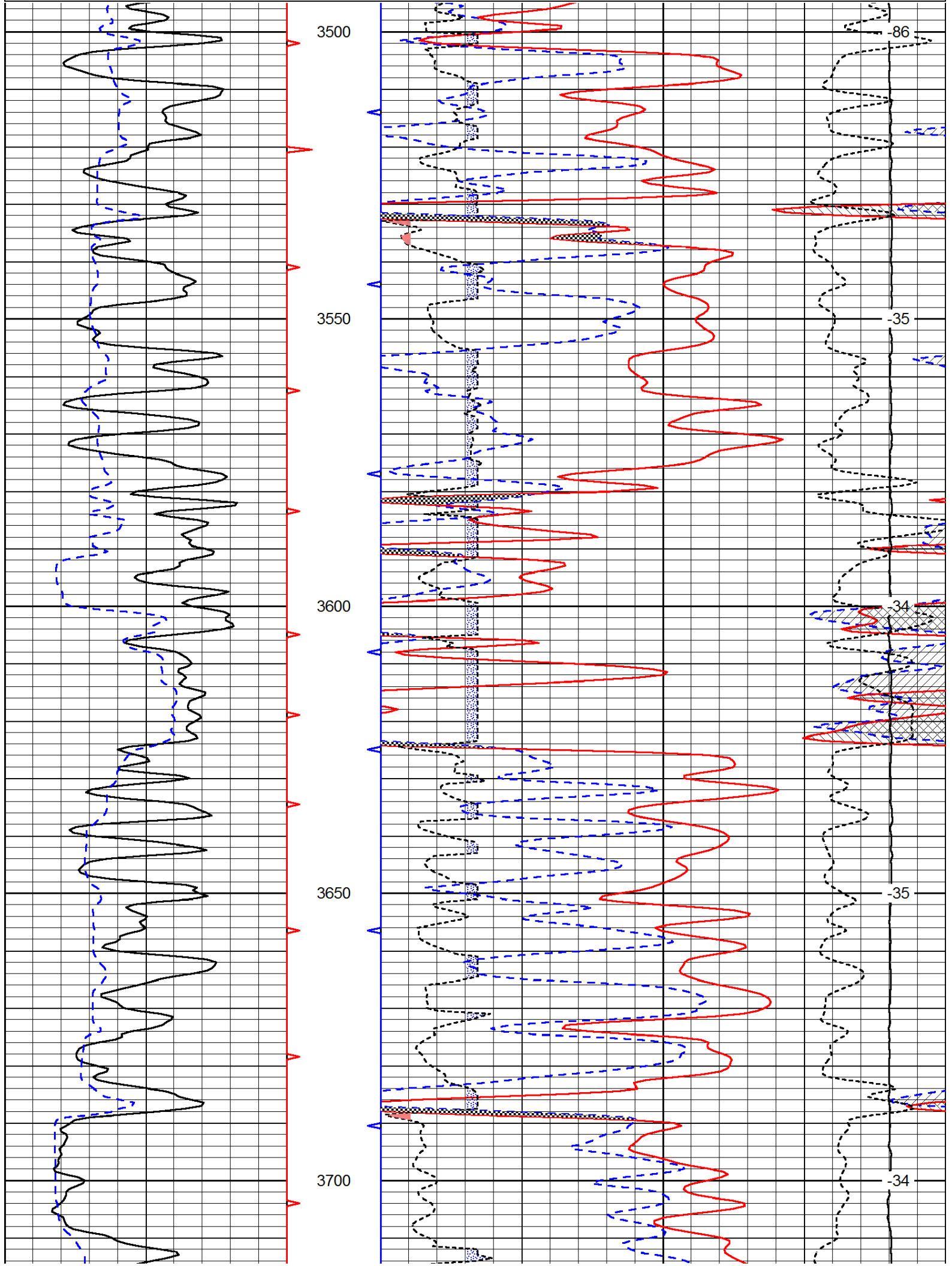
Charted by:			Depth in Feet scaled 1:600			
0	Gamma Ray	150	30	Compensated Density		-10
6	Caliper (GAPI)	16	2	Bulk Density		3
			15000	Line Tension		0
			2.625	DGA	3.425	-0.25
					Correction	0.25

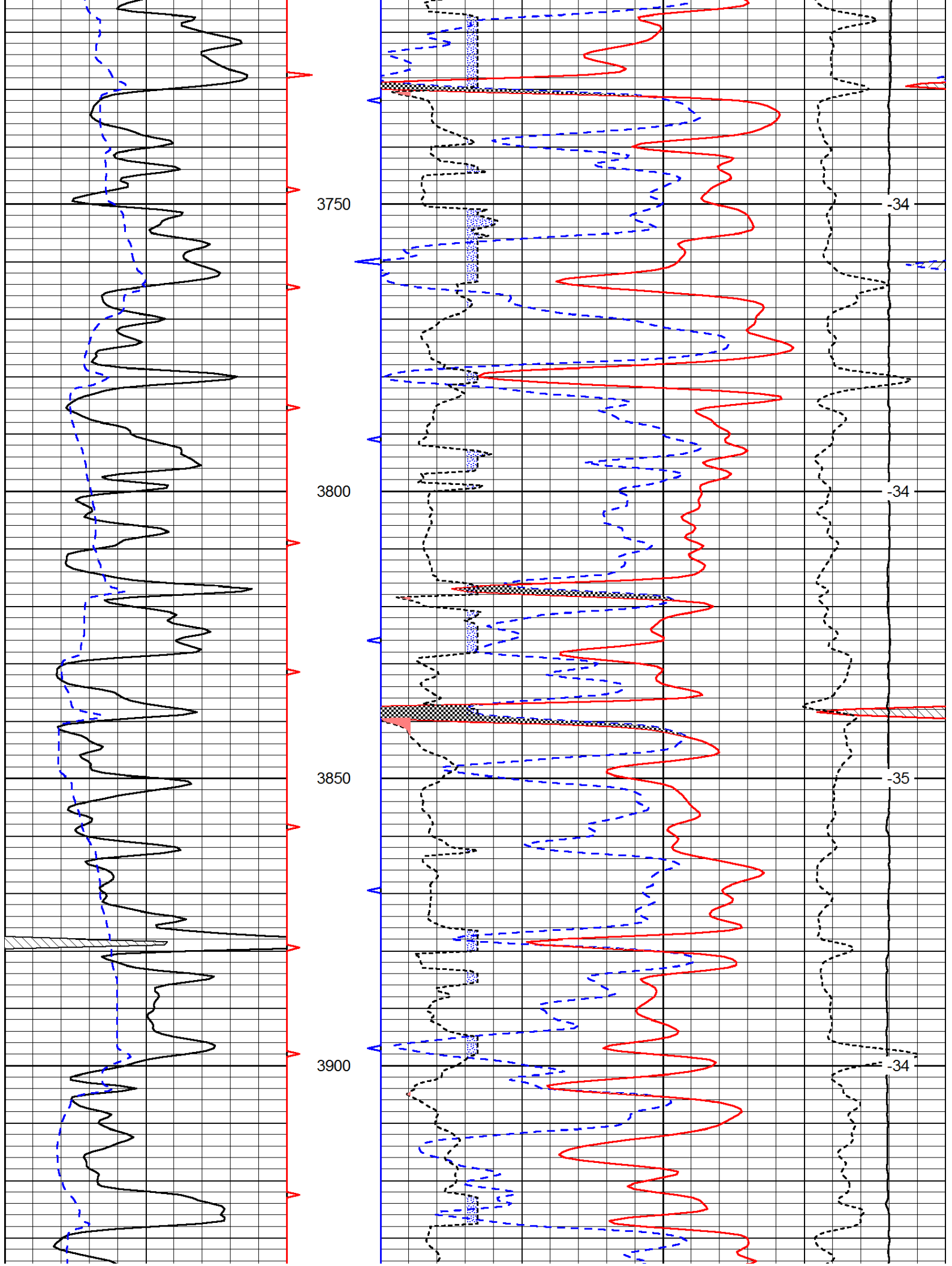


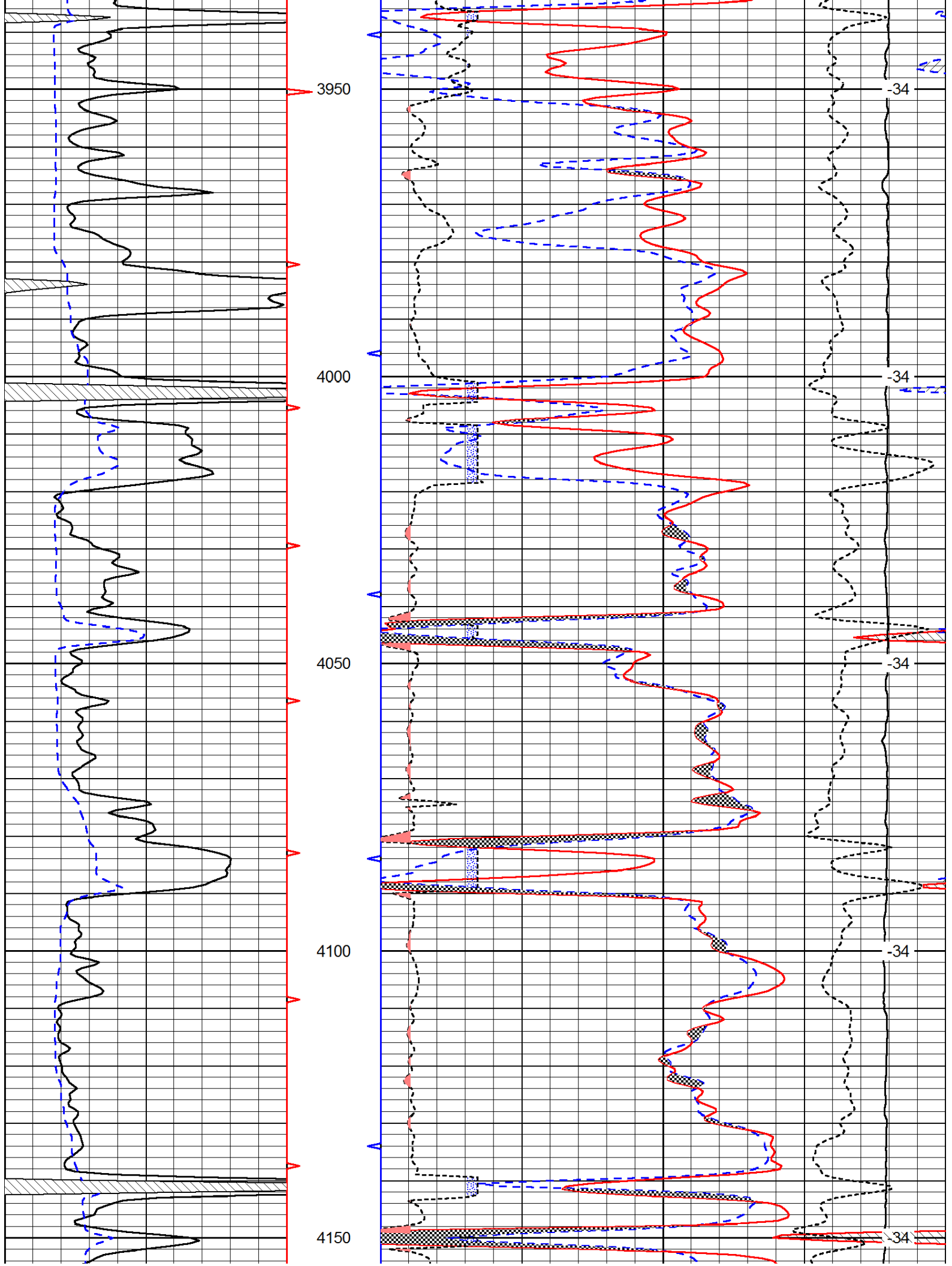


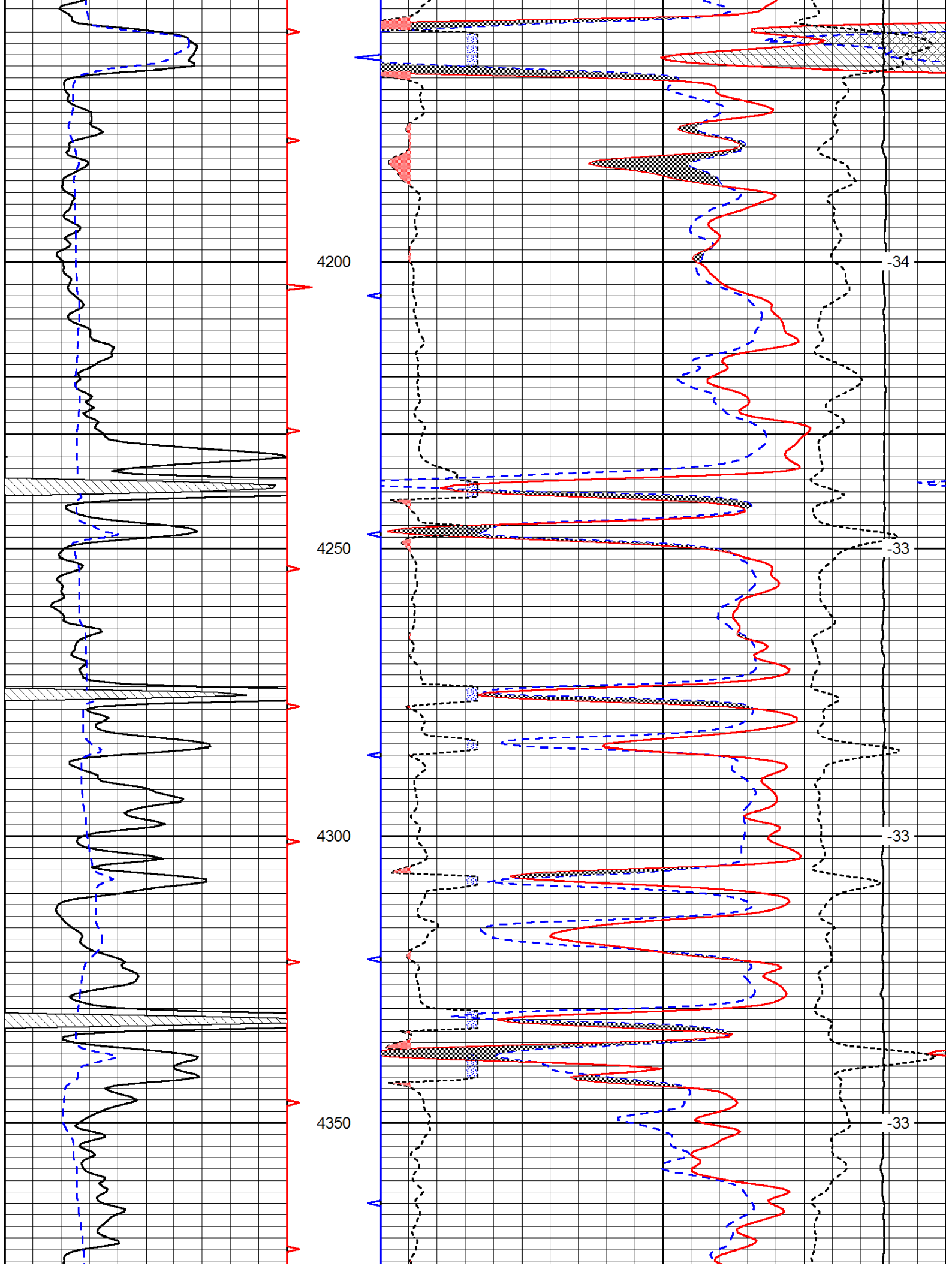
Database File:		c:\warrior\data\landmark_sleeping indian #1-11\landmark_sleeping indian_1-11hd.db	
Dataset Pathname:		dil\lmstack	
Presentation Format:		cndlspec	
Dataset Creation:		Sat Jul 26 19:11:43 2014	
Charted by:		Depth in Feet scaled 1:240	

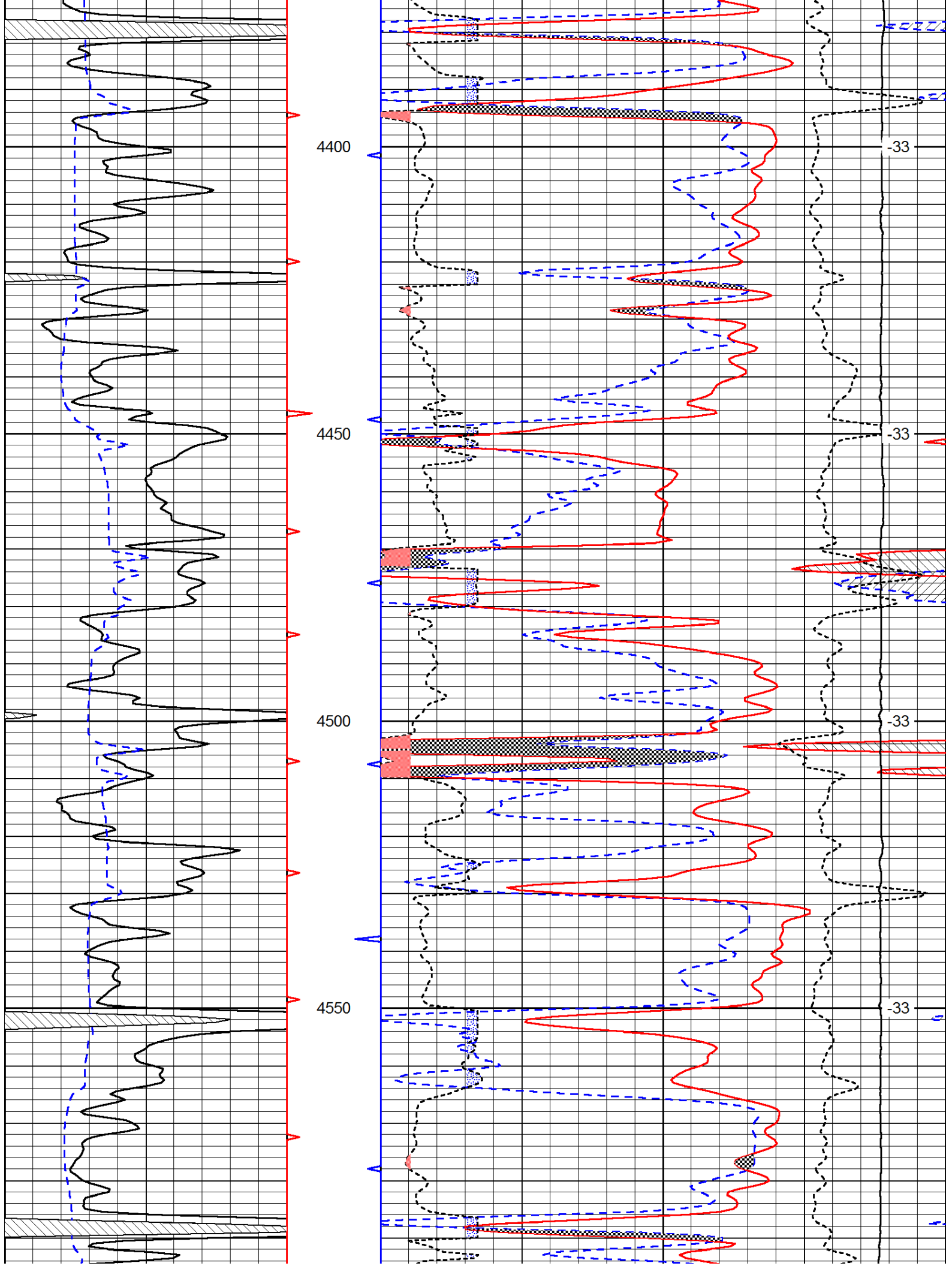
0	Gamma Ray	150	30	Compensated Neutron (Limestone)	-10
6	Caliper (GAPI)	16	30	Compensated Density (Limestone)	-10
			2.625	DGA	3.425
			-0.25	Correction	0.25
			15000	Line Tension	0
			LSPD		

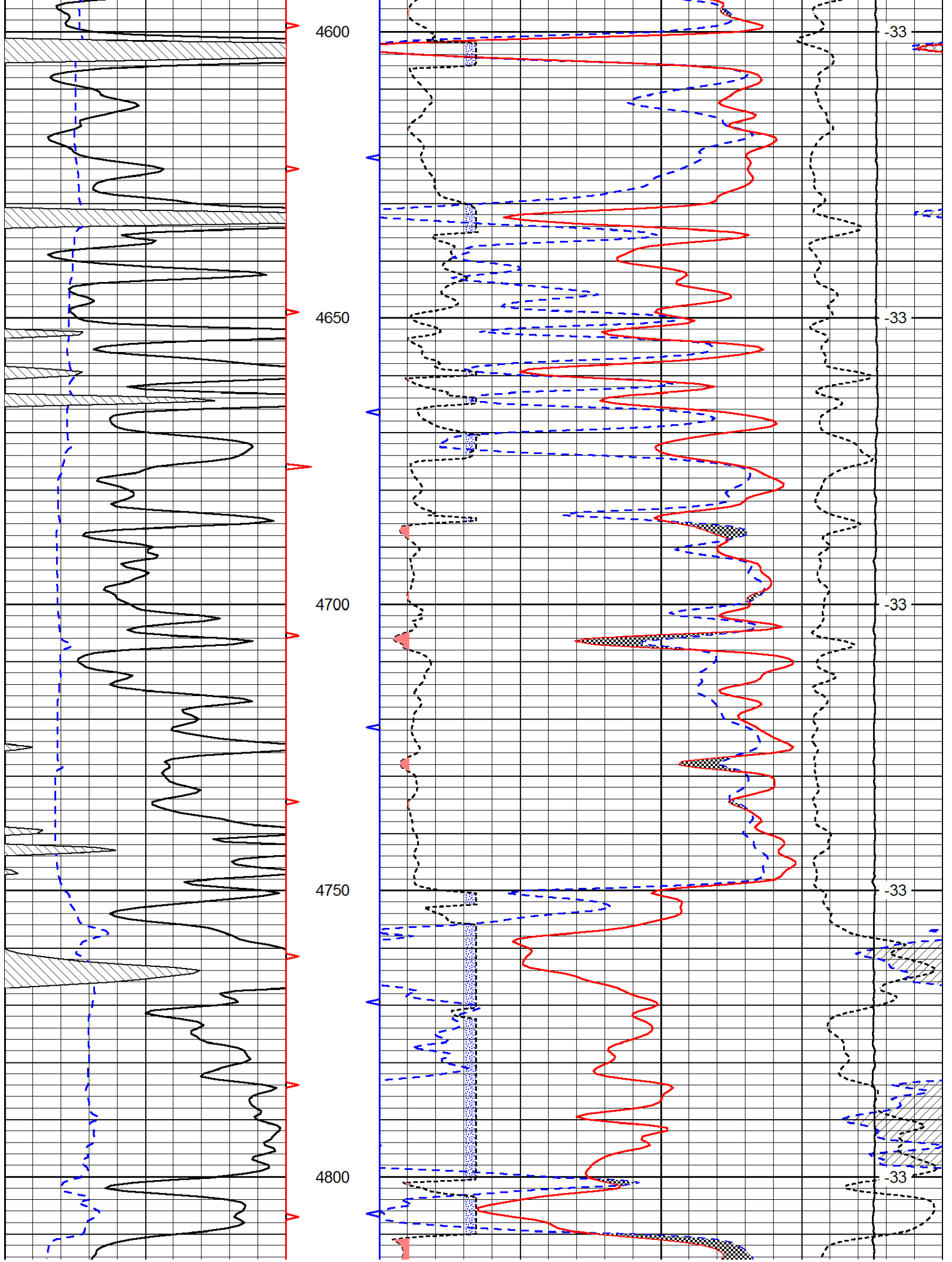


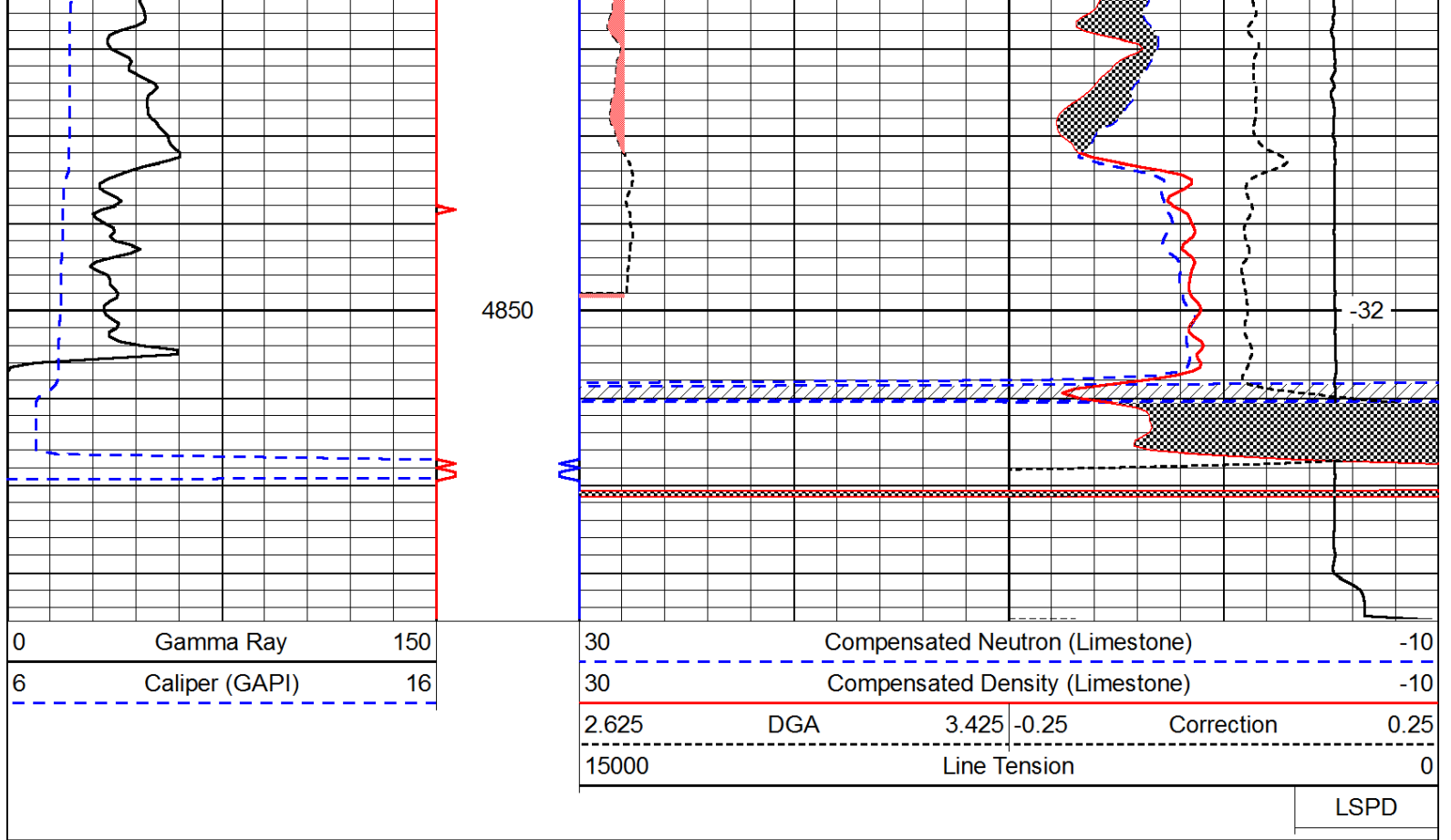






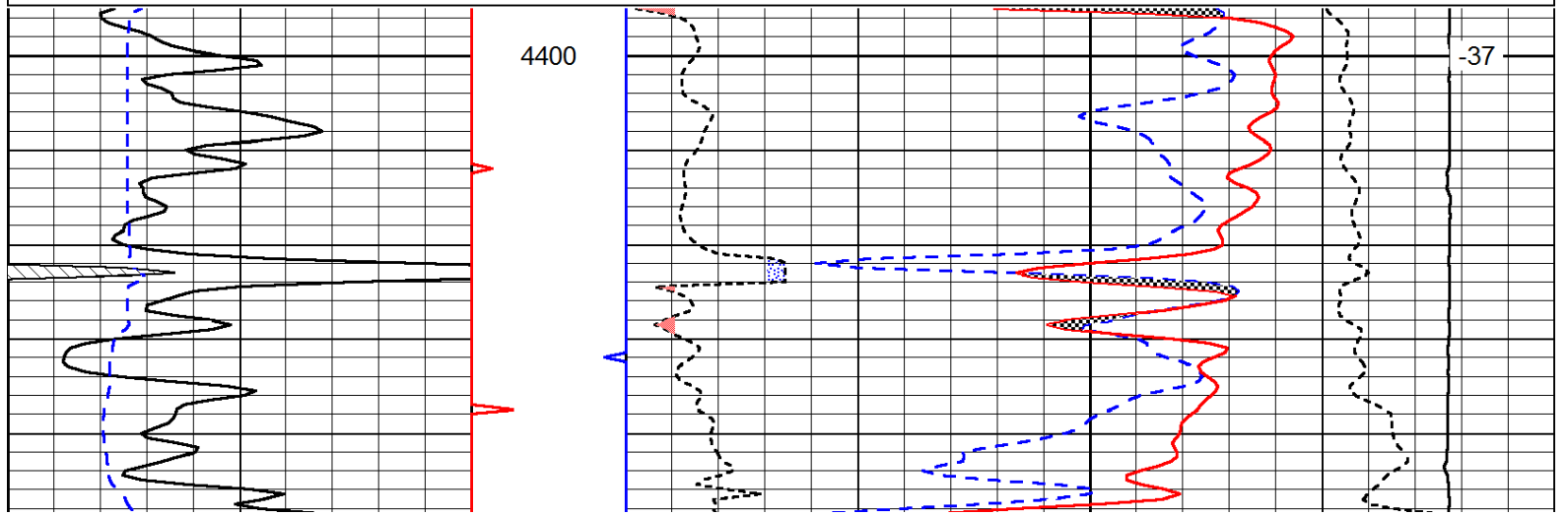
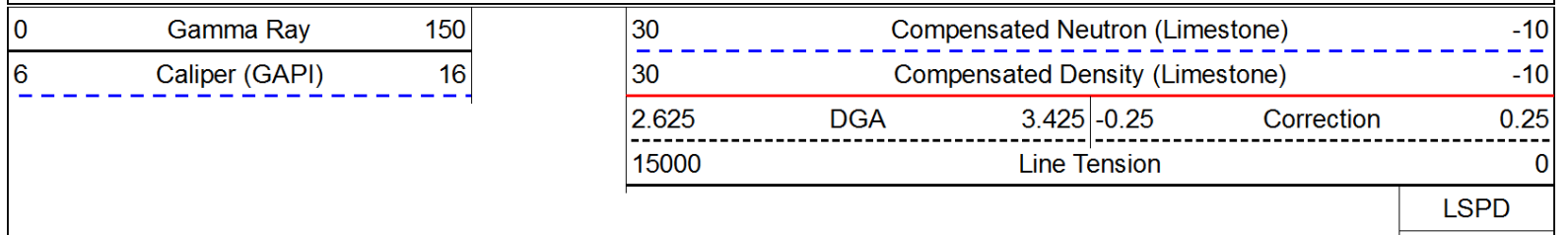


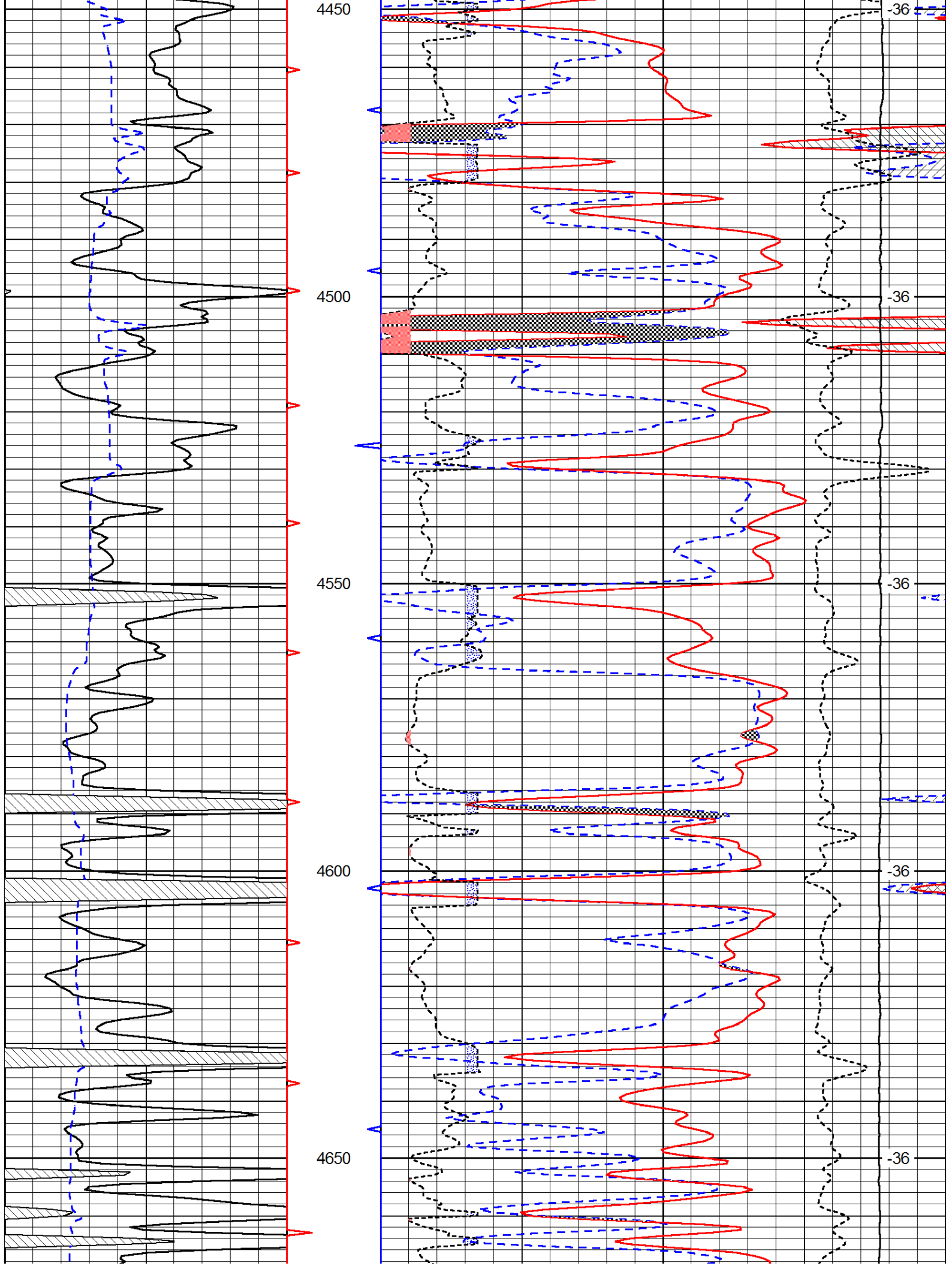


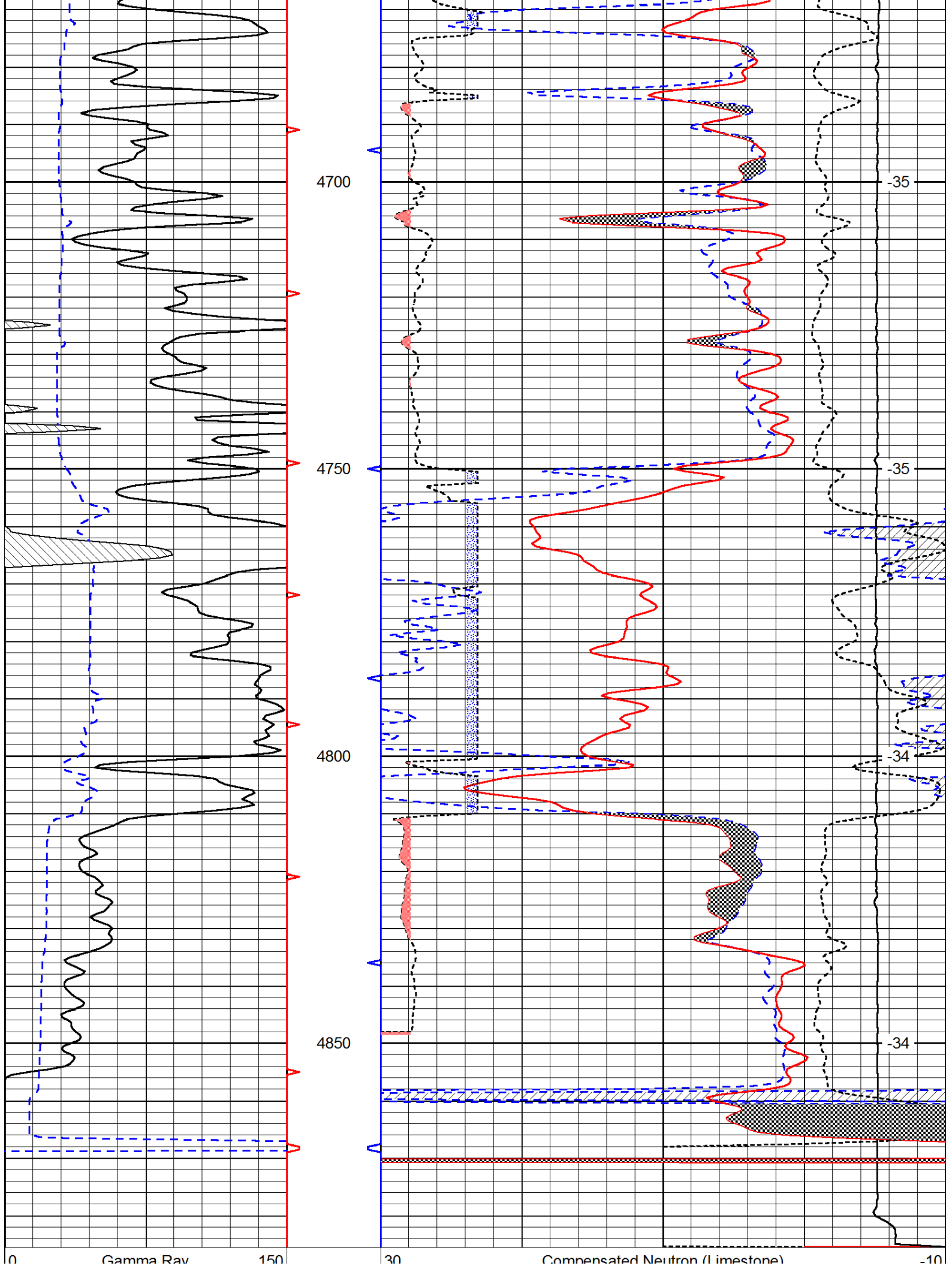


Repeat Section

Database File: c:\warrior\data\landmark_sleeping indian #1-11\landmark_sleeping indian_1-11hd.db
 Dataset Pathname: dil/landrep
 Presentation Format: cndlspec
 Dataset Creation: Sat Jul 26 18:03:50 2014
 Charted by: Depth in Feet scaled 1:240







6	Gamma Ray	100
6	Caliper (GAPI)	16

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