



Pioneer Energy Services

Dual Compensated Porosity Log

15-135-25,419-00-00

API No.

Company **American Warrior, Inc.**
 Well **Ryerse #4-35**
 Field **Ryerse**
 County **Ness** State **Kansas**

Location **1200' FSL & 2310' FEL**

Sec: **35** Twp: **18 S** Rge: **21 W**

Other Services
DIL

Permanent Datum **Ground Level** Elevation **2131**
 Log Measured From **Kelly Bushing** **8** Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
K.B. **2139**
D.F. **2131**
G.L. **2131**

Date	8/08/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4240	
Depth Logger	4244	
Bottom Logged Interval	4223	
Top Logged Interval	2150	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	6,800	
Density Level	9.3	
Level	Full	
Max. Rec. Temp. F	120	
Operating Rig Time	3 Hours	
Equipment -- Location	91 Hays	
Recorded By	K. Bange	
Witnessed By	Jason Alm	

Borehole Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	1348	8.625	24#	00	1348
2	7.875	1348	4240				

Casing Record

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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.pioneer.com
 785 625 3858
 Alexander, 2 1/2 W,
 S (through cattle guard)
 1 1/2 S and W into
 (follow lease rd)

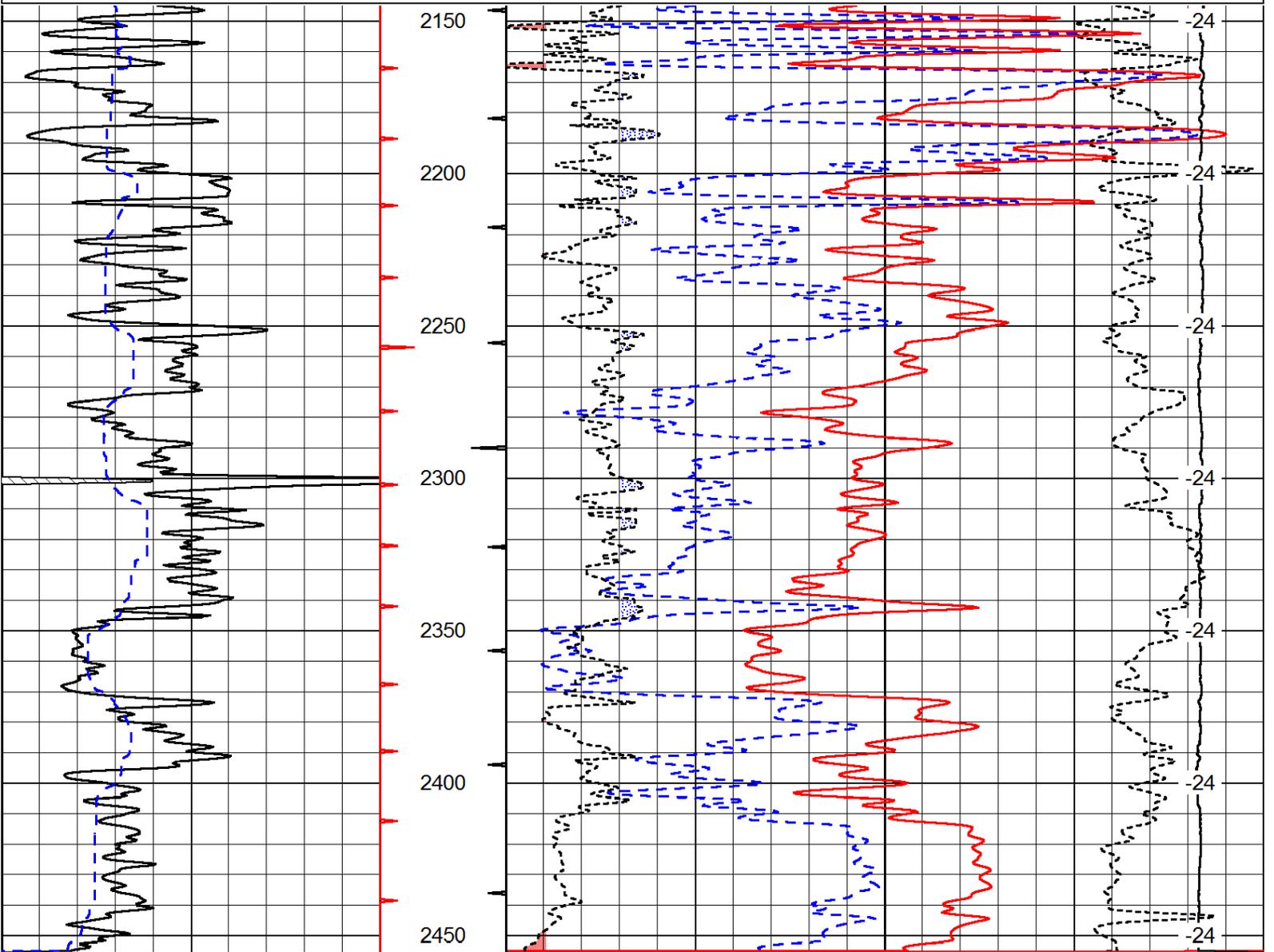


Dolomite Matrix (2.83)

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 Dataset Pathname: dil/awdolo
 Presentation Format: cdl
 Dataset Creation: Wed Aug 08 02:31:14 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			



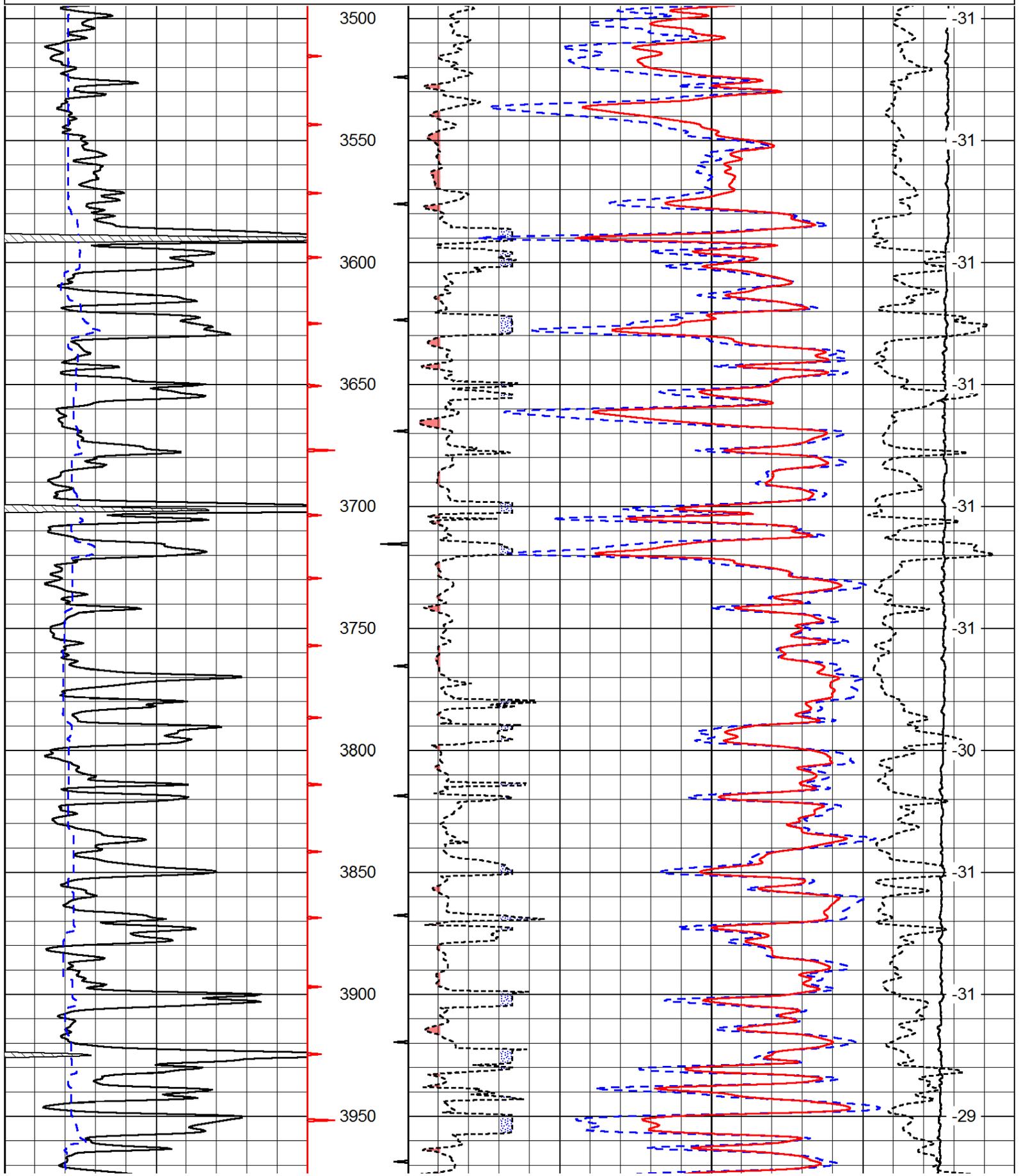
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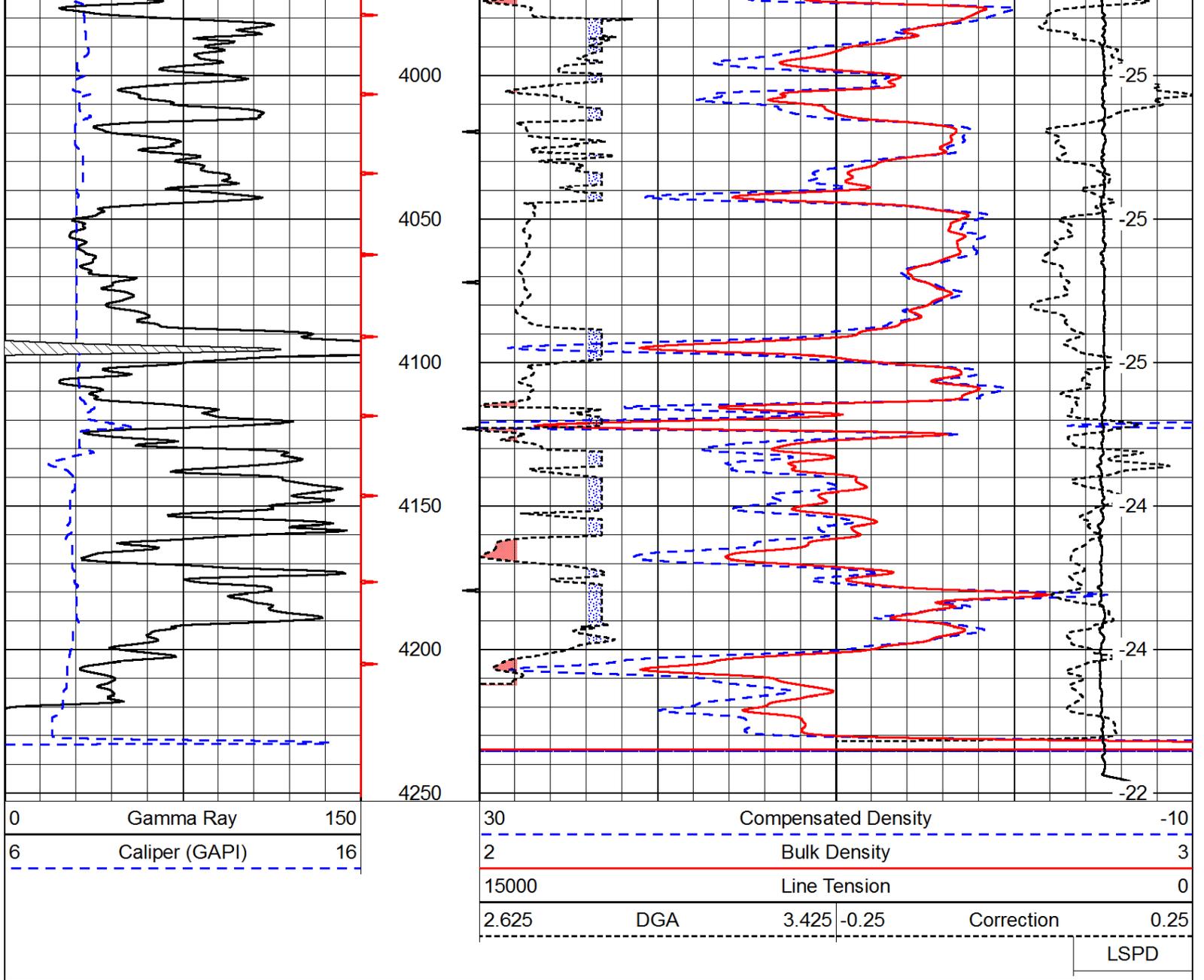
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2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

Database File: c:\warrior\data\amwar_ryerse #4-35\amwarrior080812hd.db
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6	Caliper (GAPI)	16

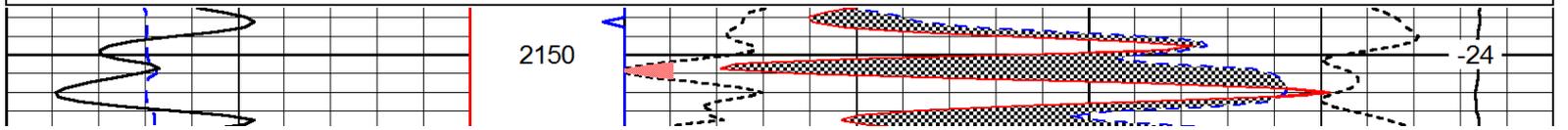
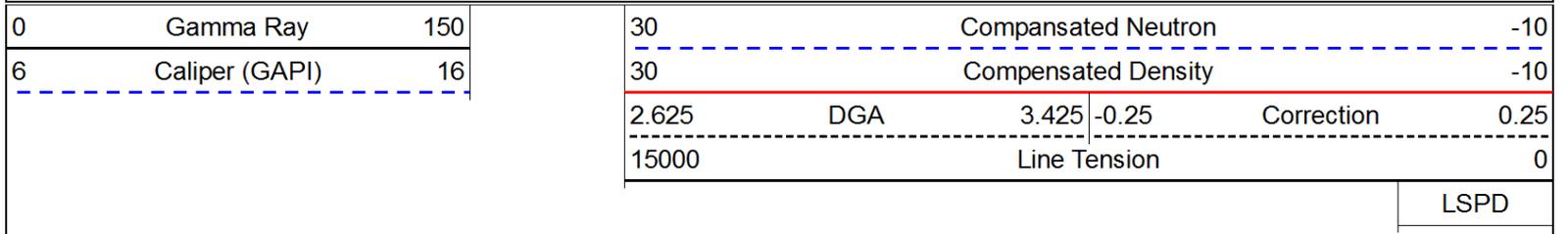
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

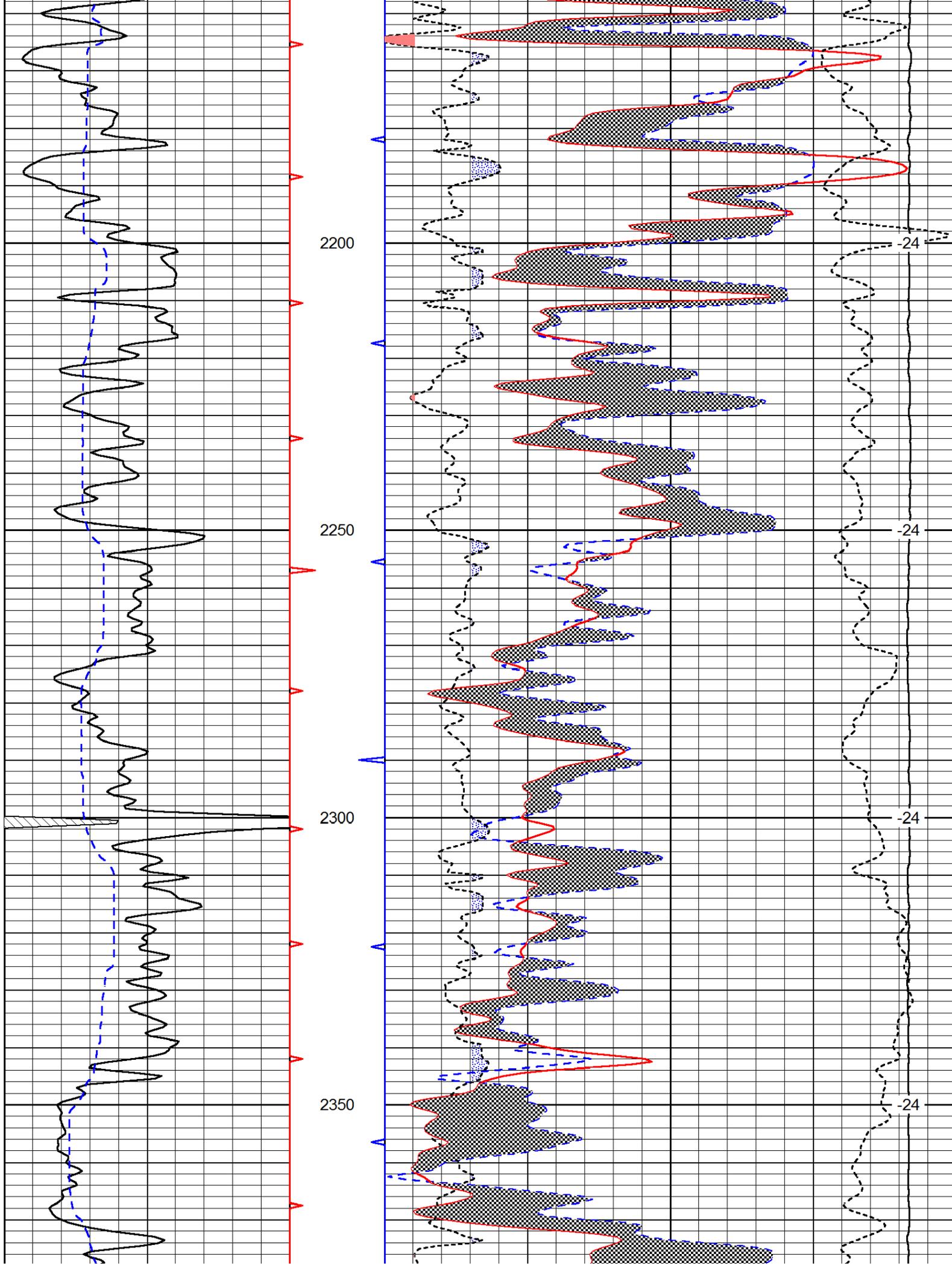


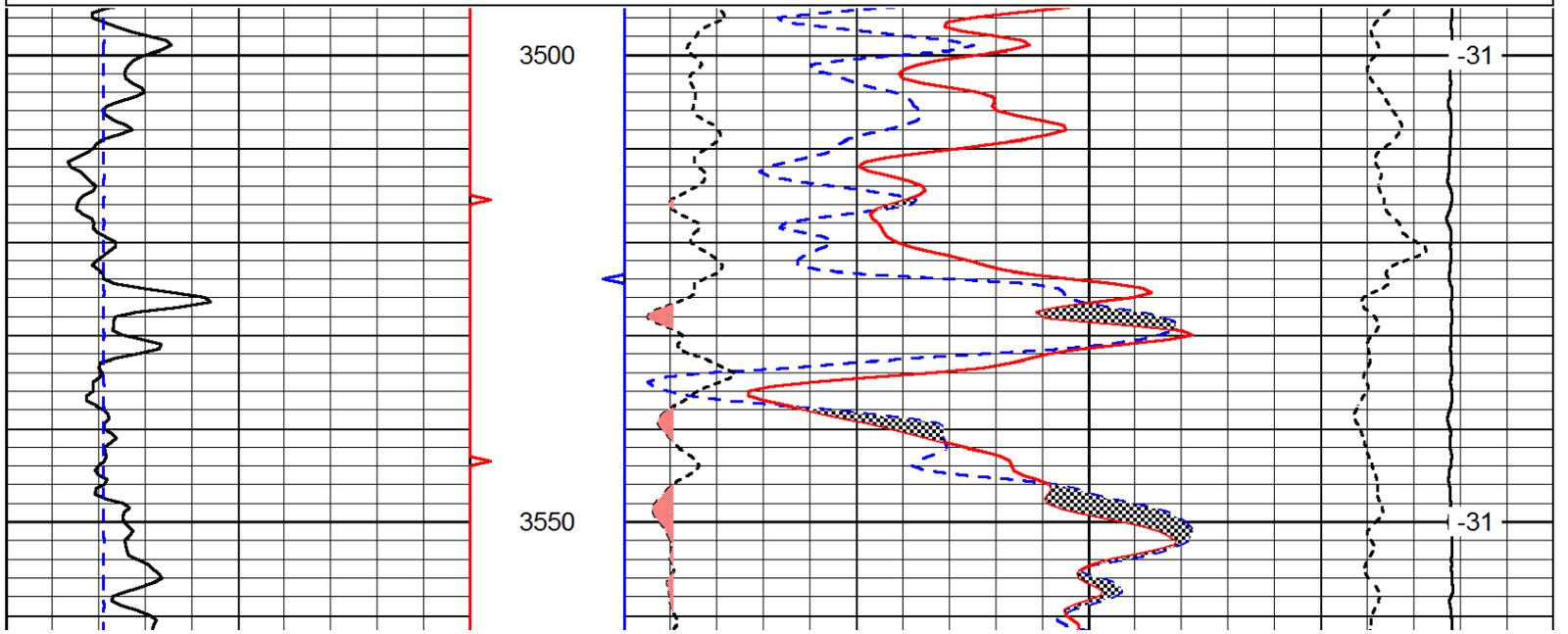
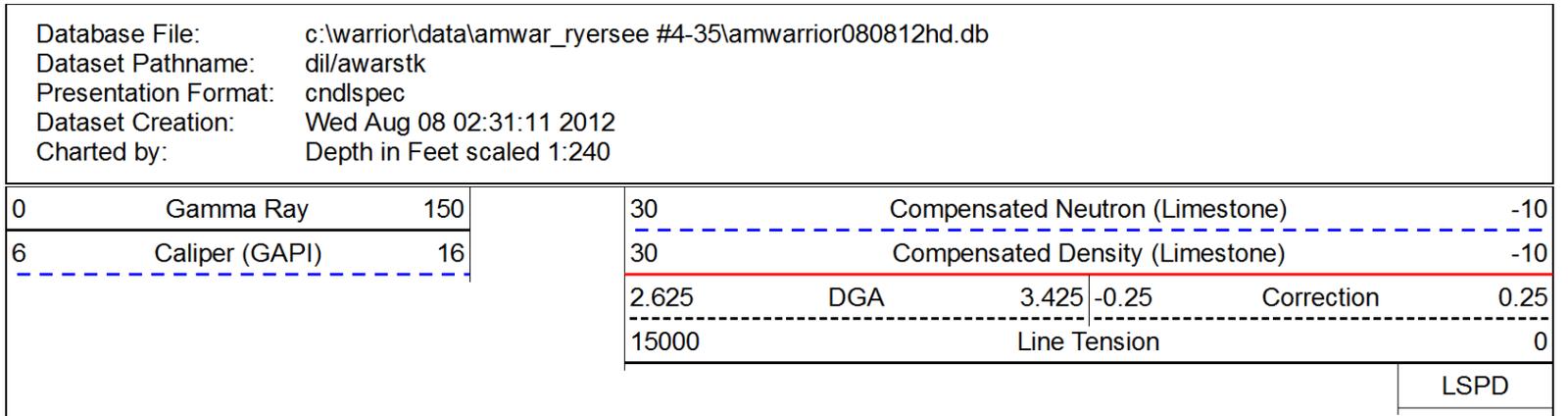
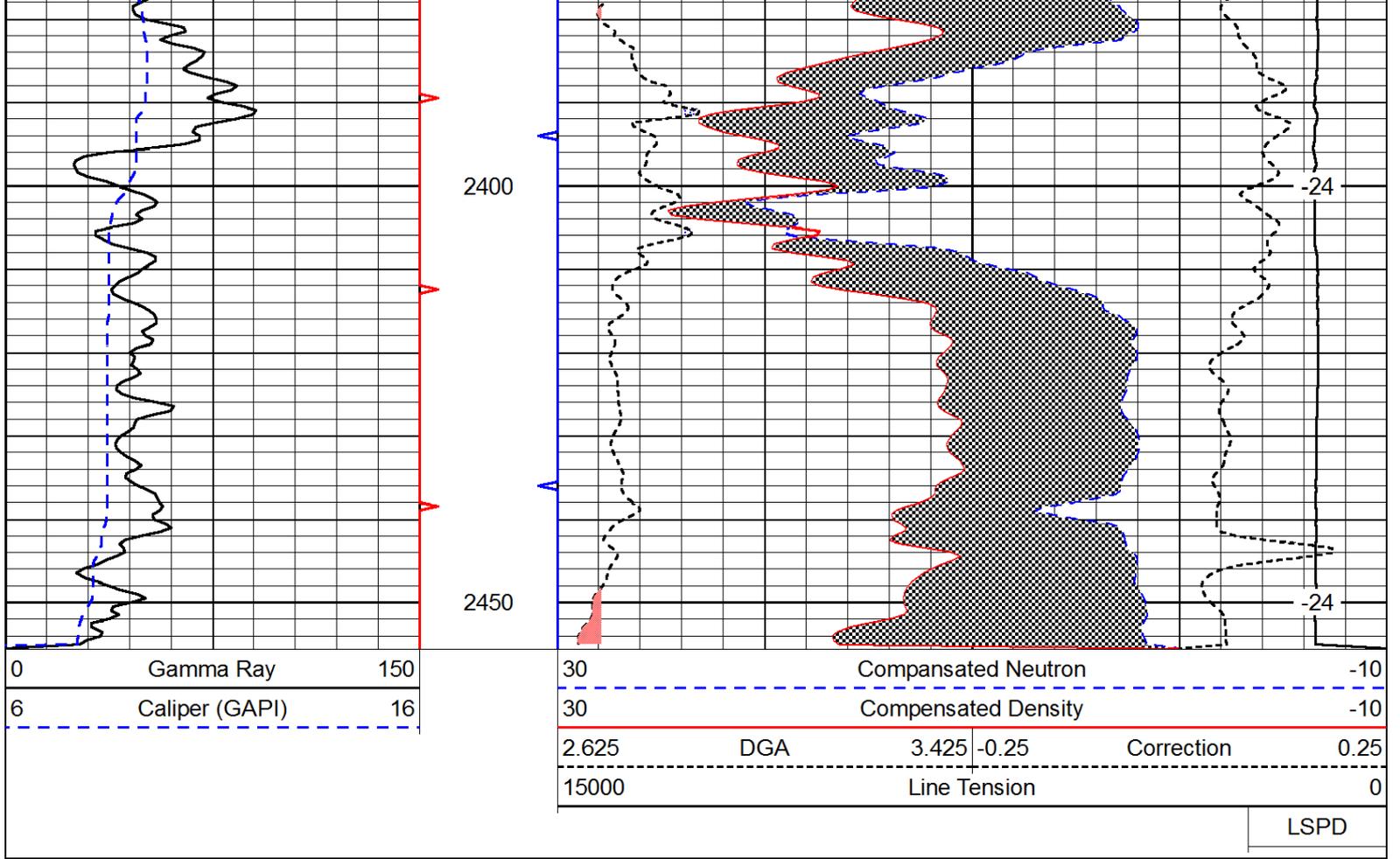


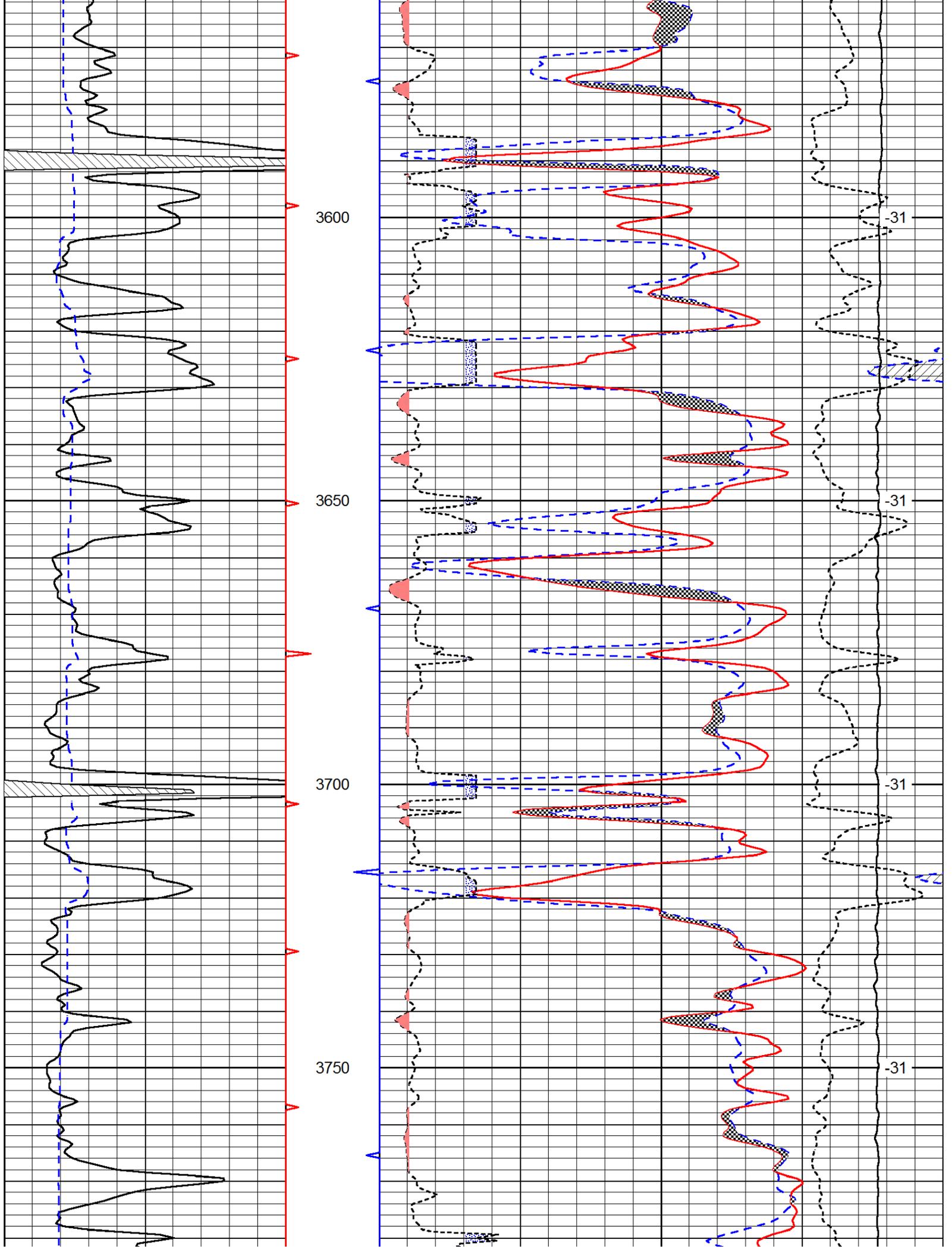
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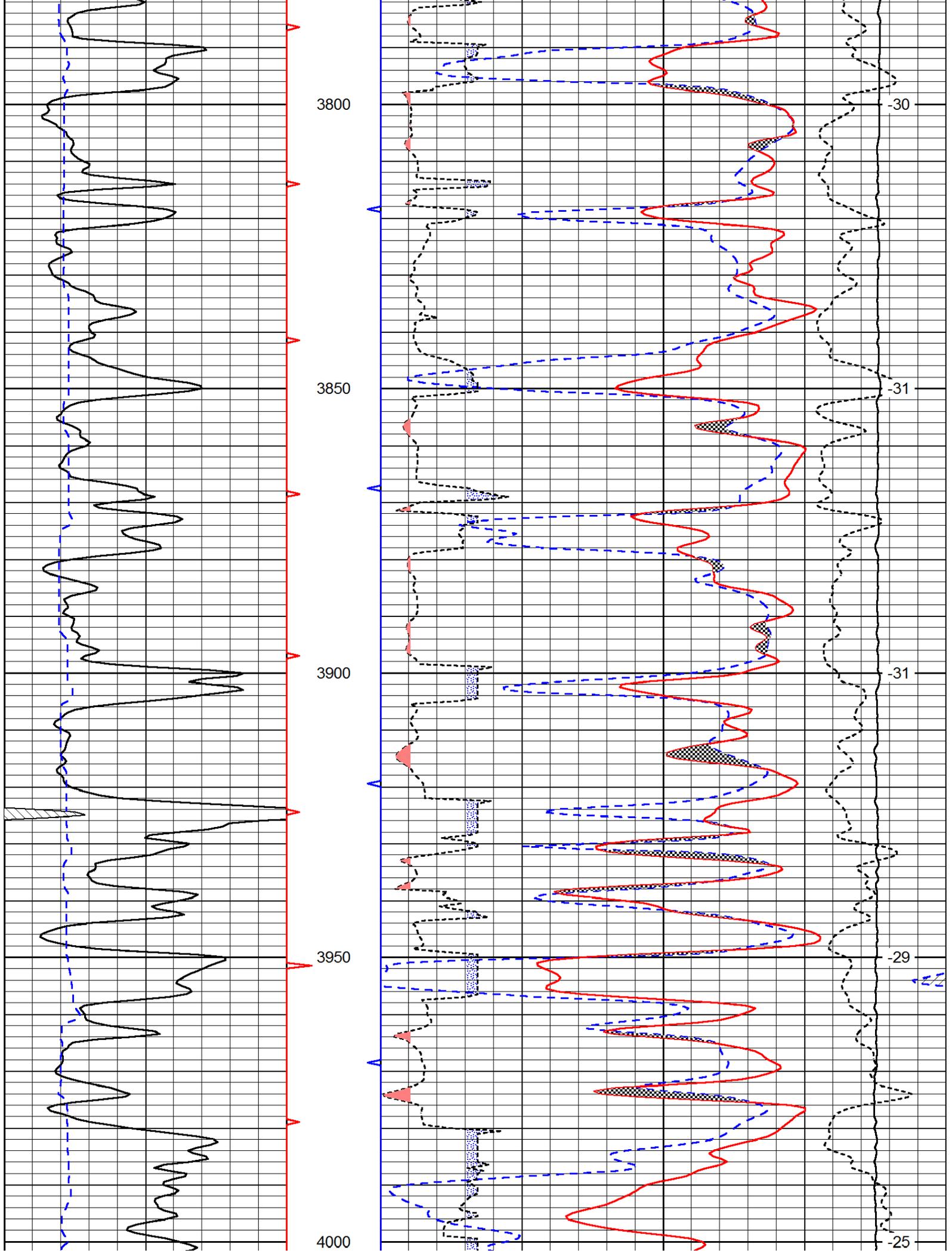
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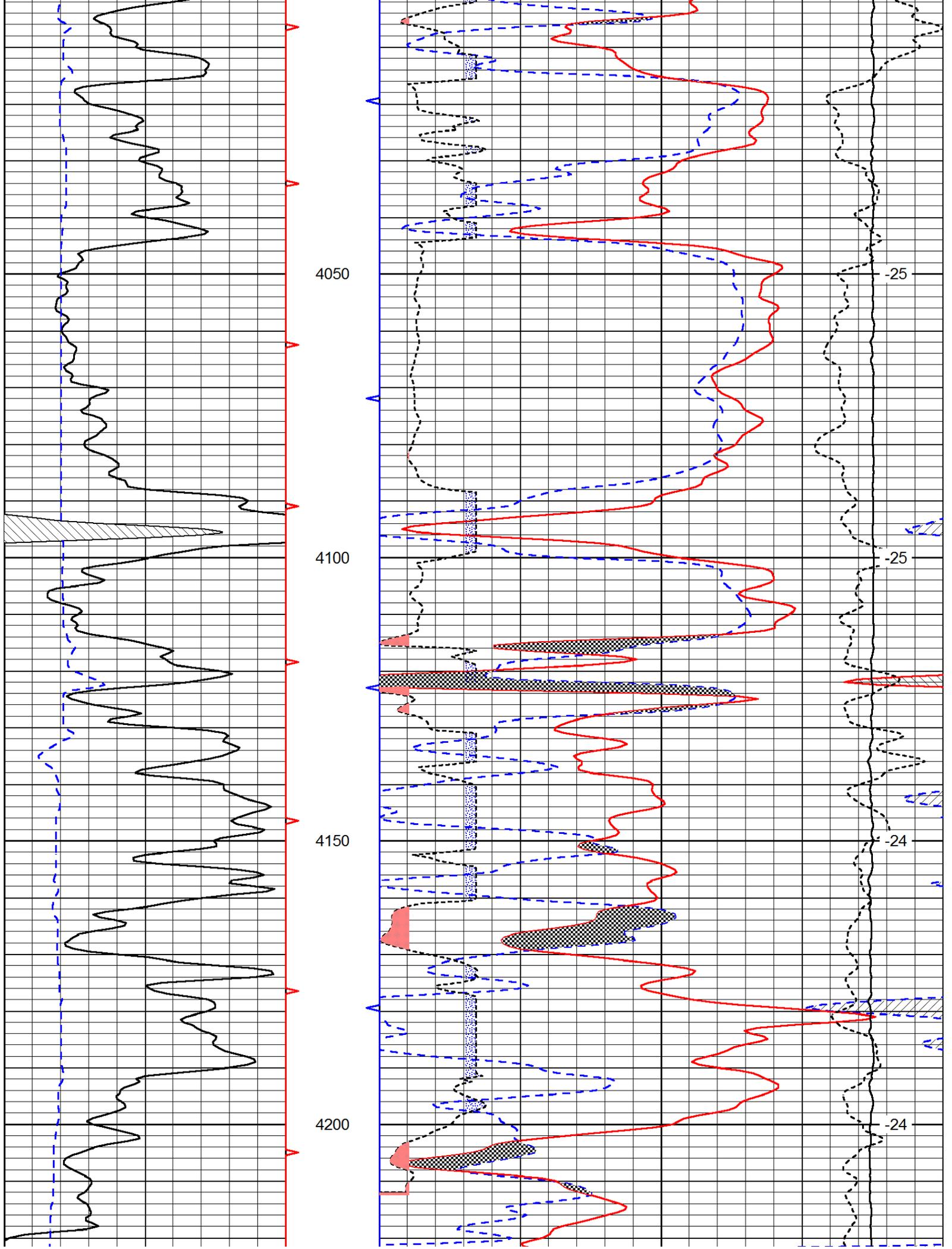


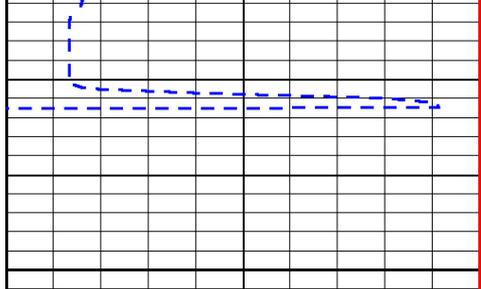




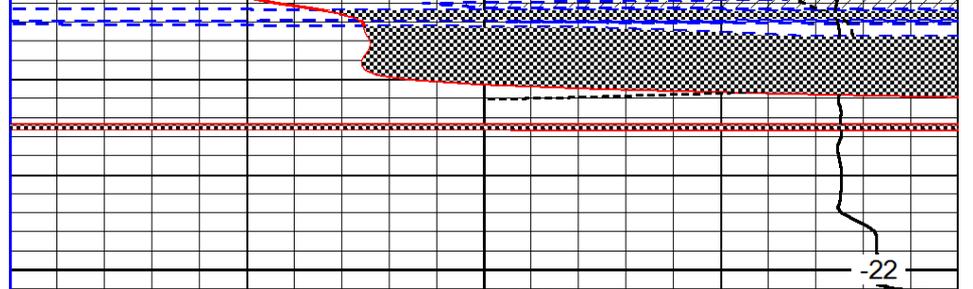








4250



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