



Pioneer Energy Services

## Dual Compensated Porosity Log

15-051-26,346-00-00

API No.

Company **TDI, Inc.**  
 Well **Dinges Family #1**  
 Field **Wildcat**  
 County **Ellis** State **Kansas**

Location **1425' FNL & 2310' FWL**  
 Sec: **8** Twp: **15 S** Rge: **19 W**

Other Services  
 DIL  
 MEL

Permanent Datum **Ground Level** Elevation **2027**  
 Log Measured From **Kelly Bushing** **10 Ft. Above Perm. Datum**  
 Drilling Measured From **Kelly Bushing**

Elevation  
 K.B. 2037  
 D.F. \_\_\_\_\_  
 G.L. 2027

Date	9/09/2012
Run Number	One
Type Log	CNL / CDL
Depth Driller	3704
Depth Logger	3703
Bottom Logged Interval	3682
Top Logged Interval	2200
Type Fluid In Hole	Chemical
Salinity, PPM CL	4,200
Density	9.2
Level	Full
Max. Rec. Temp. F	115
Operating Rig Time	4 Hours
Equipment -- Location	91 Hays
Recorded By	K. Bange
Witnessed By	Tom Denning

Borehole Record		Casing Record	
Run No.	Bit From To	Size	Wgt. From To
1	12.25 00	8.625	24# 00
2	7.875 213	3704	213

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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.

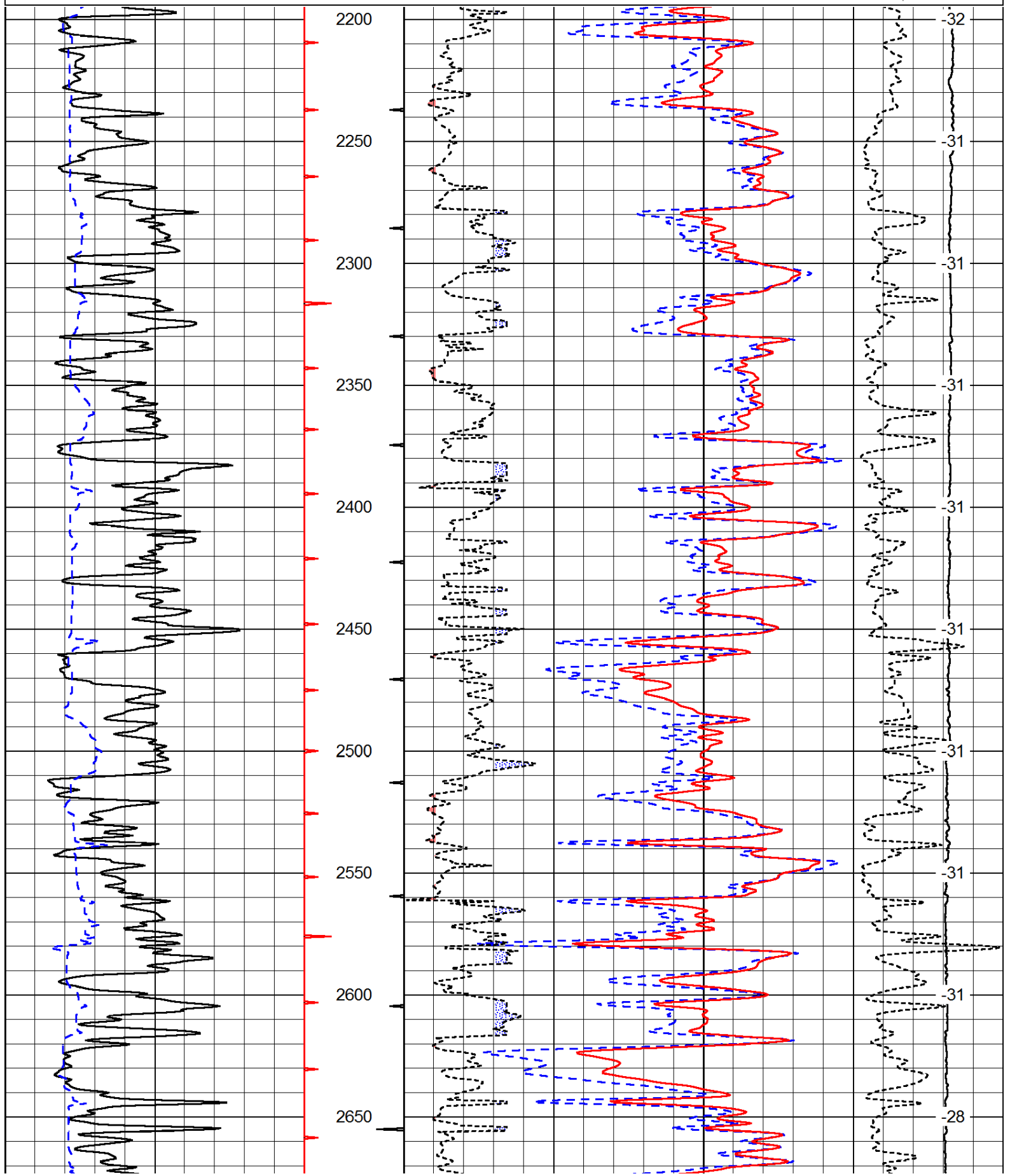
**Comments**

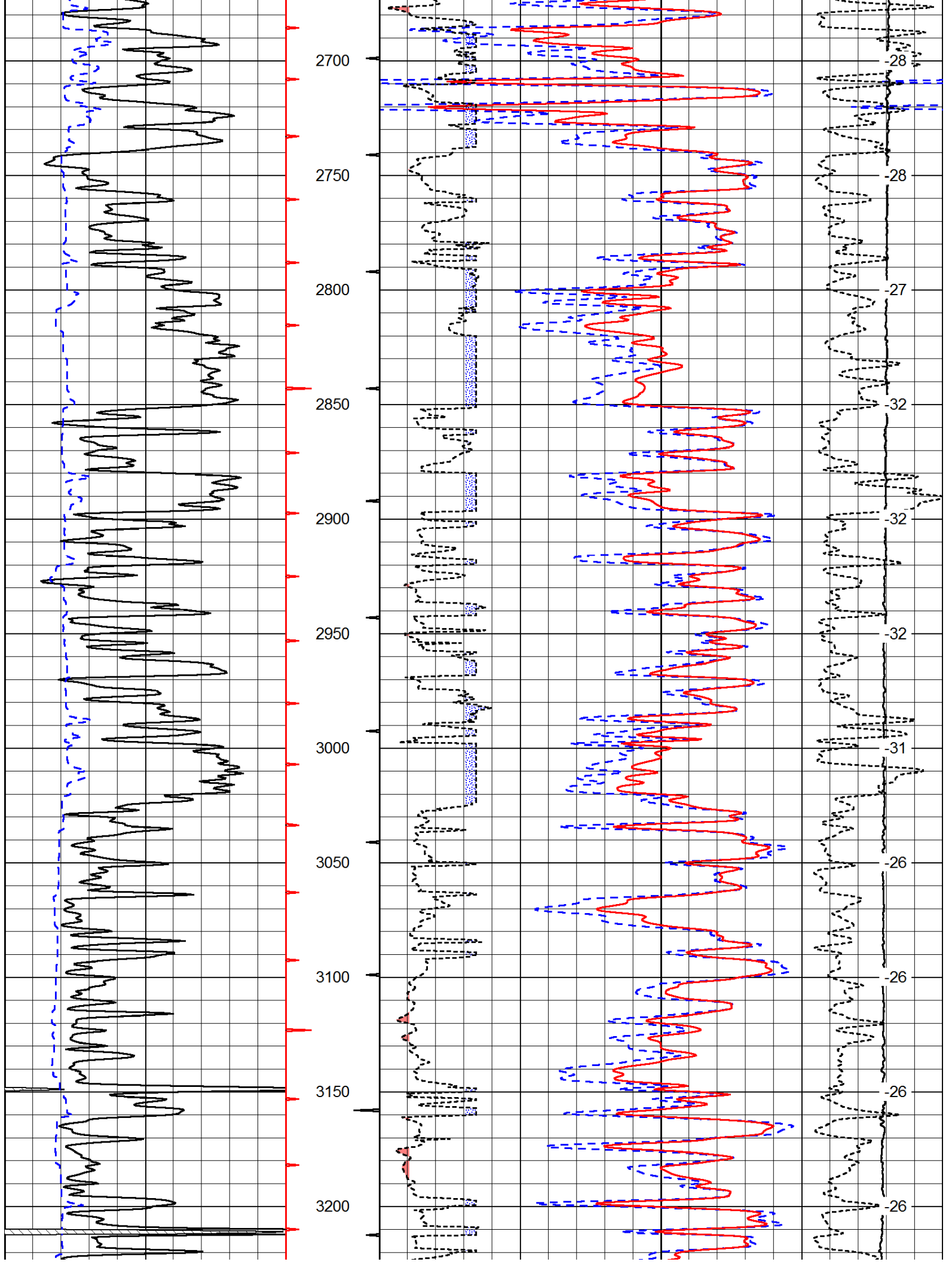
Thank you for using Pioneer Energy Services  
 www.pioneerenergy.com  
 785 625 3858  
 Antonino, 3 W,  
 1 S, 1/2 W,  
 S into

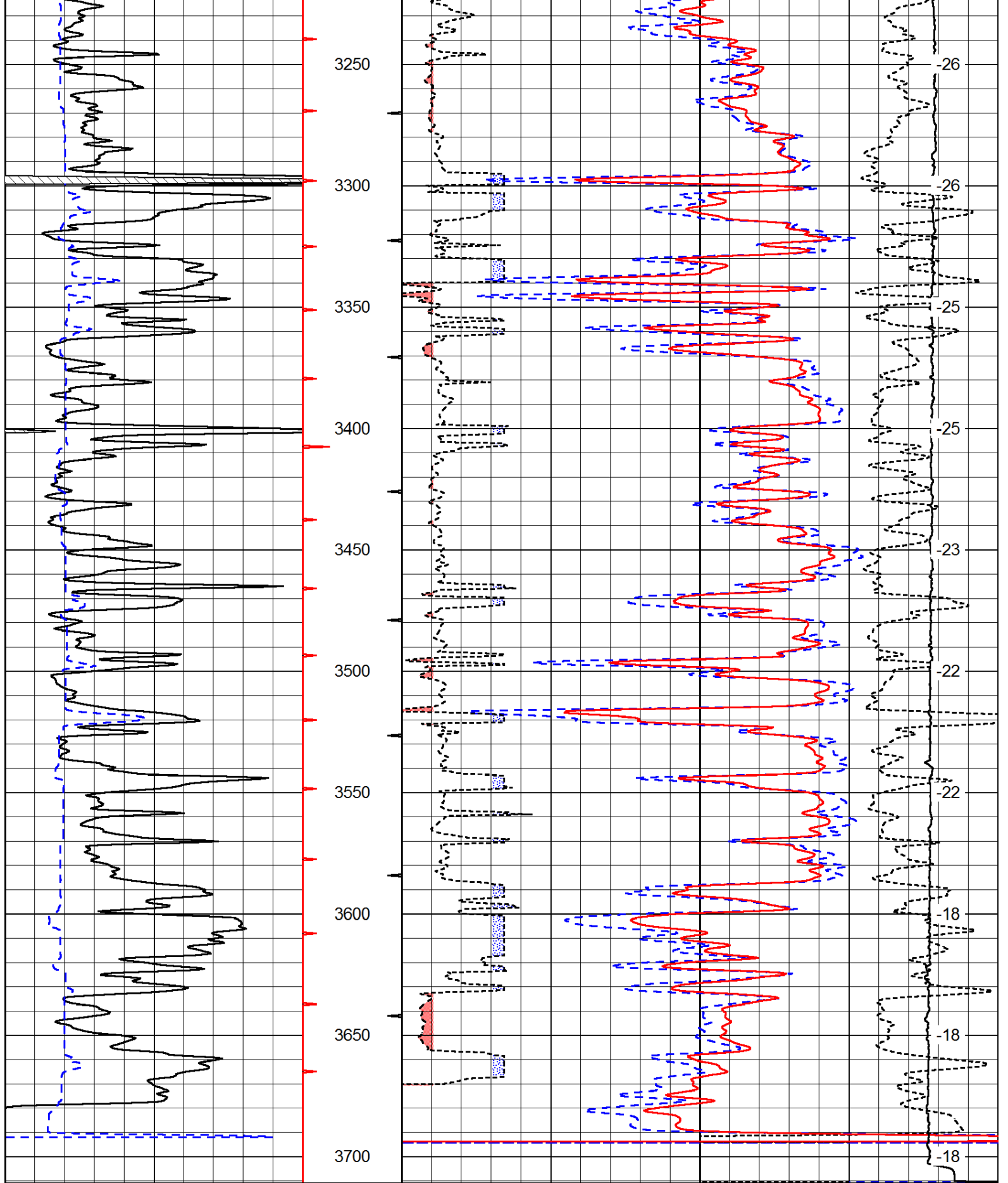
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 Presentation Format: cdl  
 Dataset Creation: Mon Sep 10 02:11:02 2012  
 Charted by: Depth in Feet scaled 1:600

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			







0	Gamma Ray	150
6	Caliper (GAPI)	16

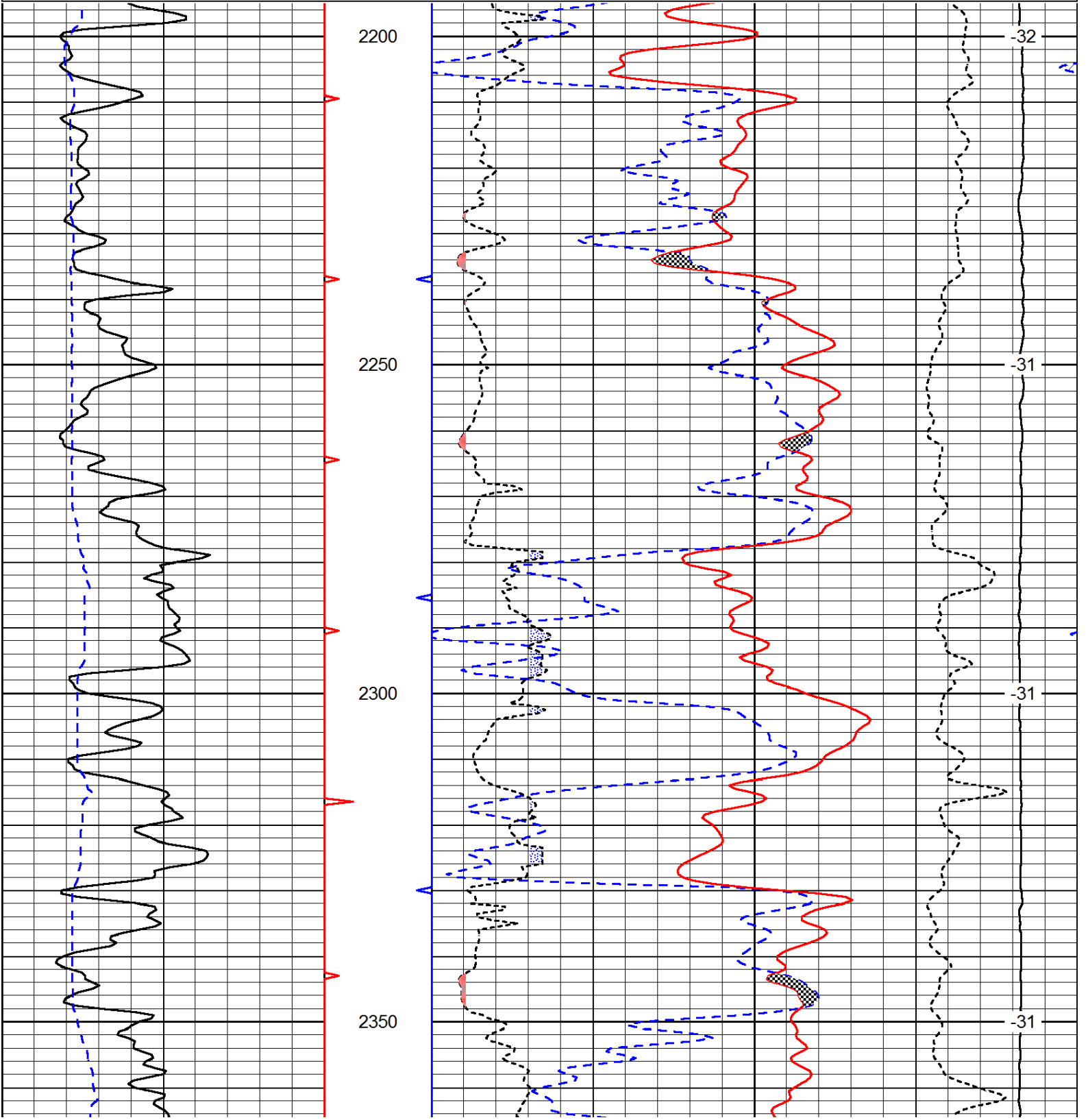
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425 -0.25	Correction 0.25
LSPD			

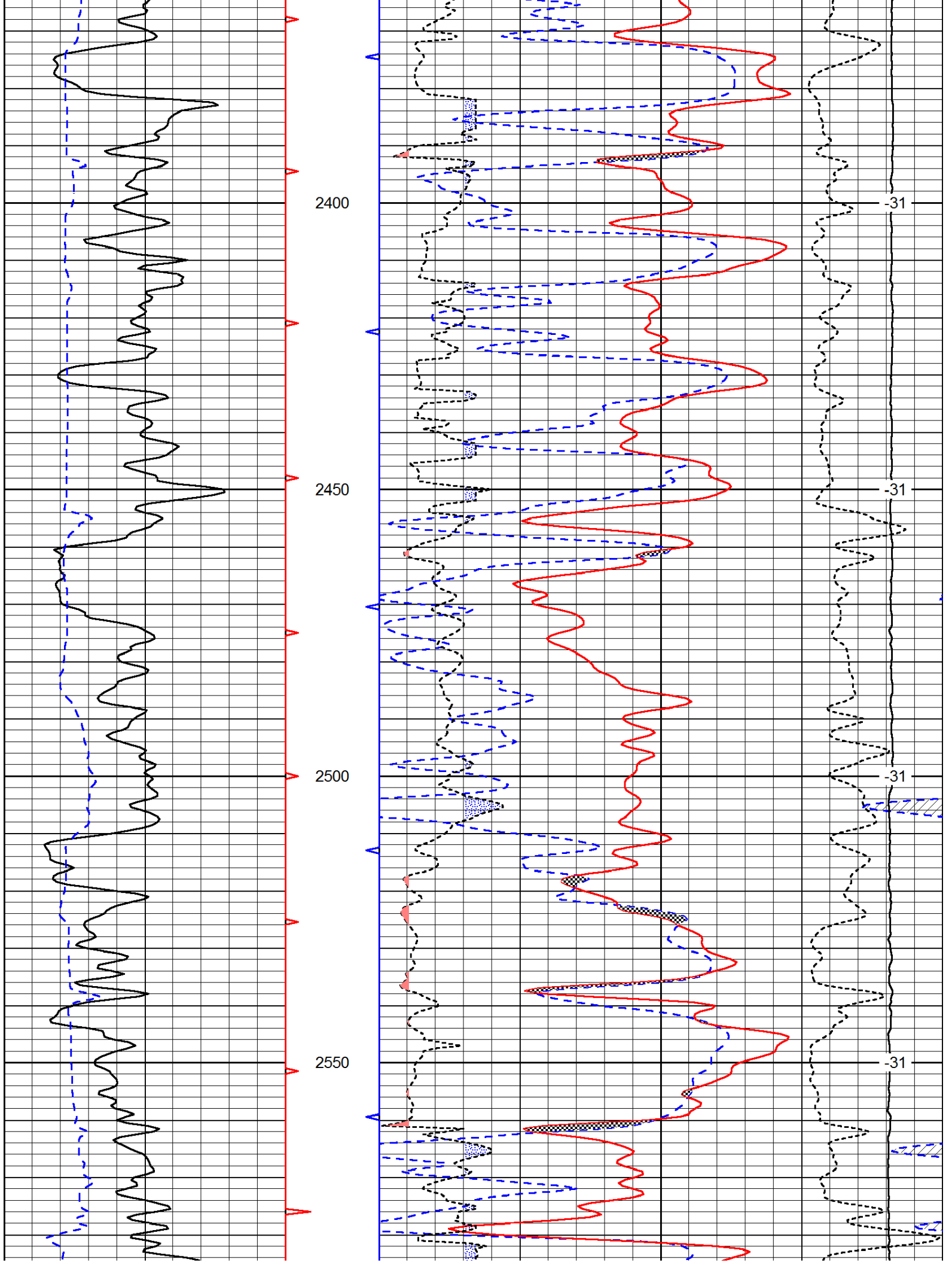
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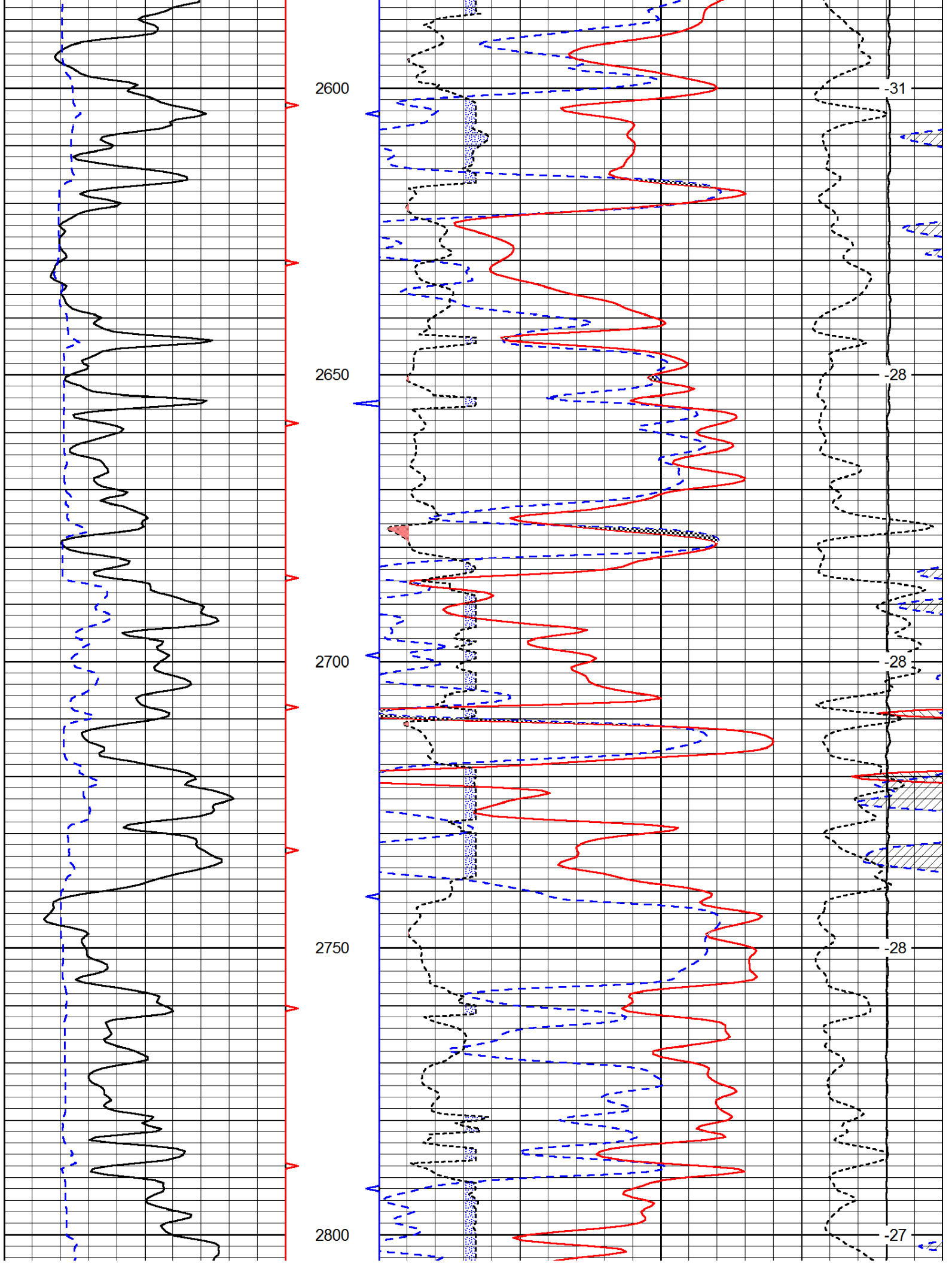
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6	Caliper (GAPI)	16

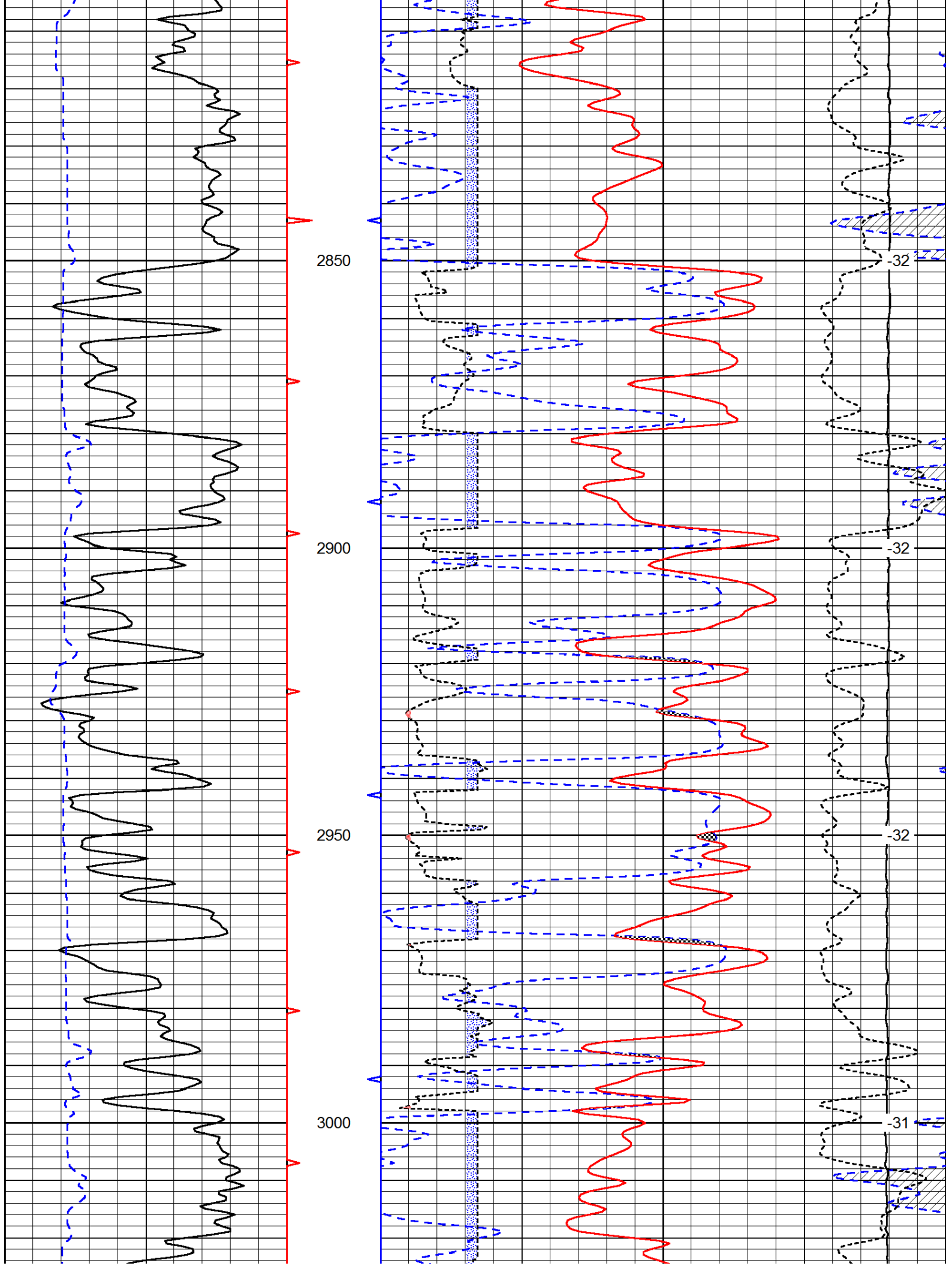
30	Compensated Neutron (Limestone)		-10
30	Compensated Density (Limestone)		-10
2.625	DGA	3.425	-0.25
			Correction
			0.25
15000	Line Tension		0

LSPD

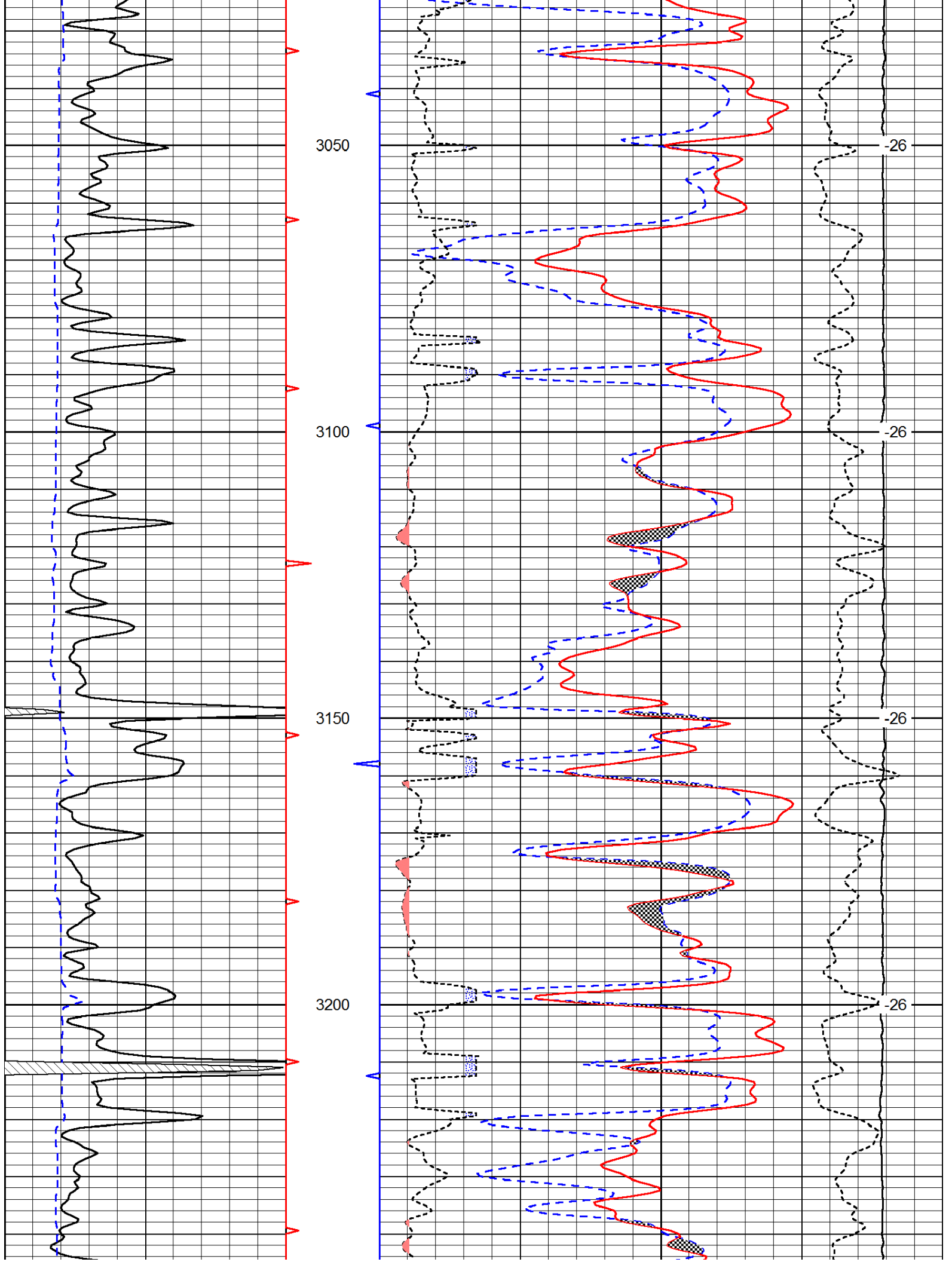


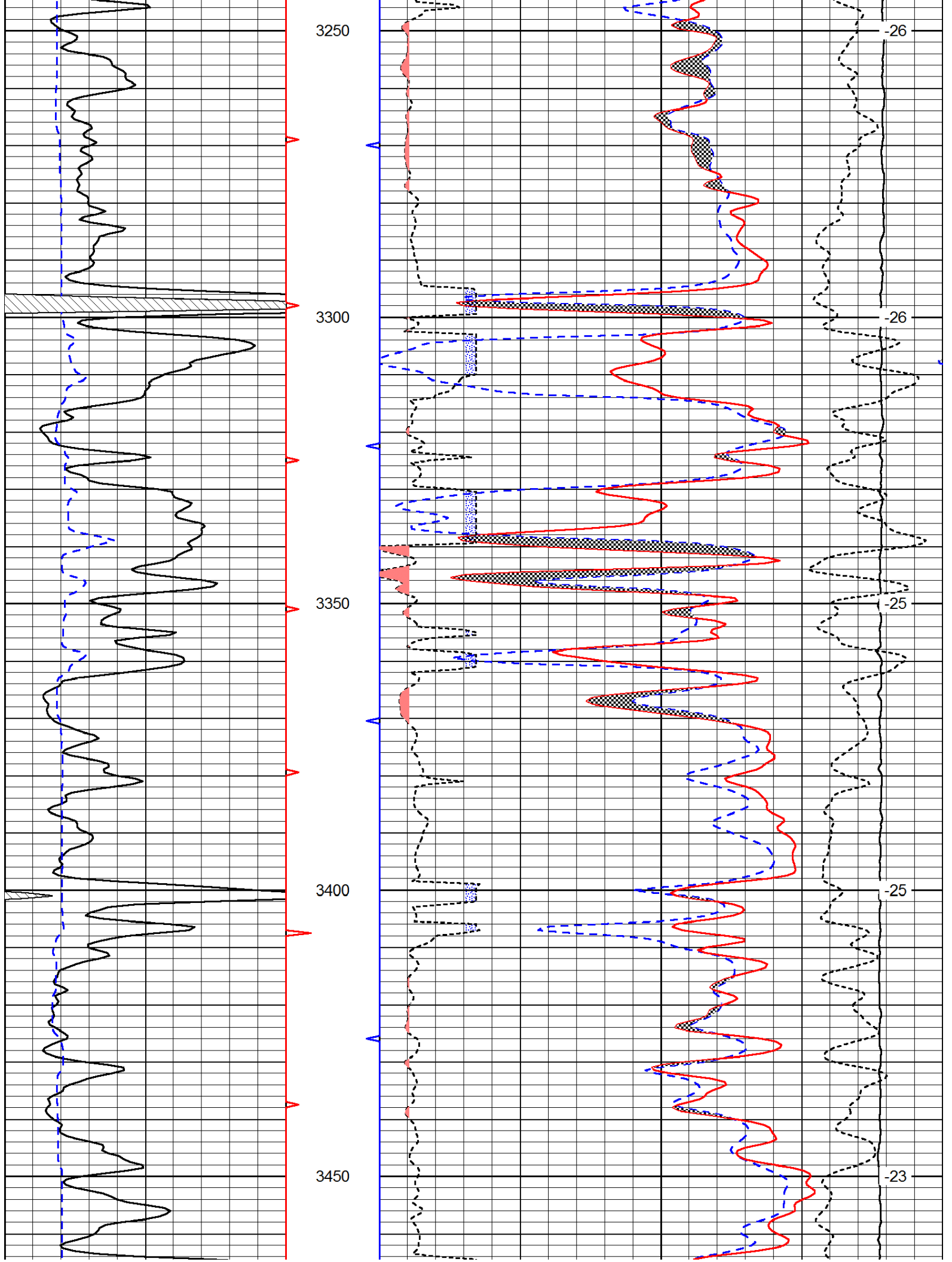


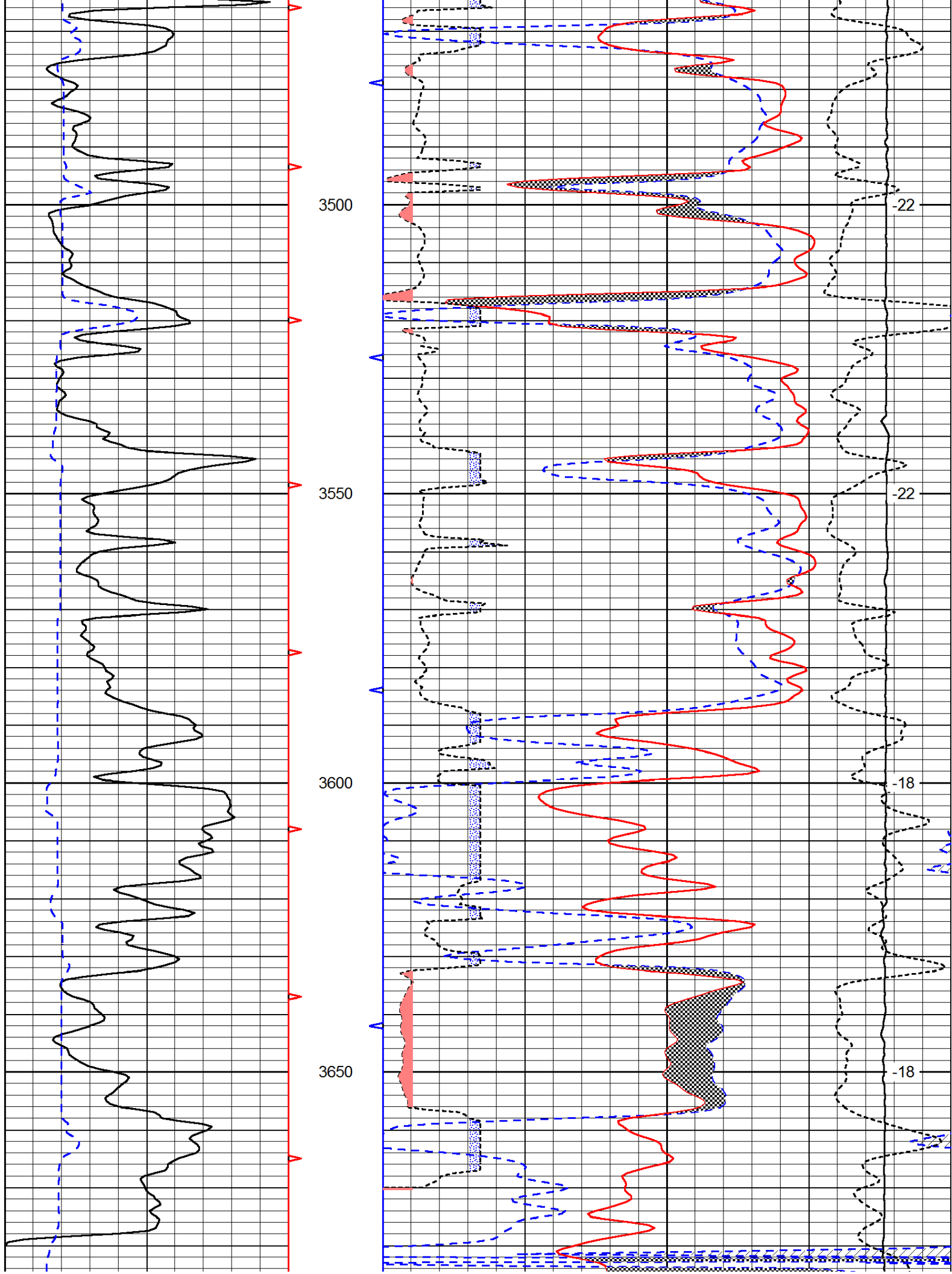


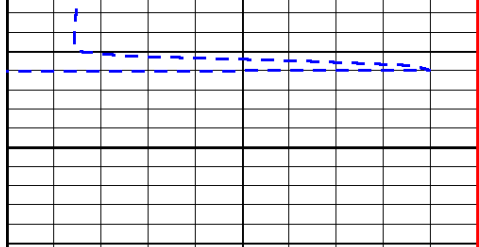




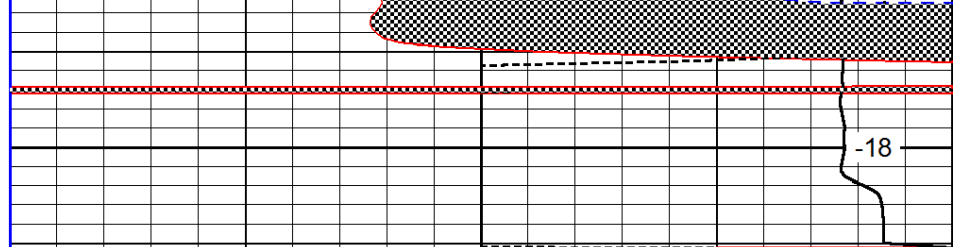








3700



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