



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-167-23,821-00-00		
Company	Carmen Schmitt, Inc.		
Well	Ney Unit No. 7		
Field	Hall - Gurney		
County	Russell	State Kansas	
Location	2518' FNL & 2300' FWL		
Sec:	32	Twp:	15 S Rge: 12 W
Permanent Datum	Ground Level	Elevation	1854
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	8/29/2012	Elevation	K.B. 1859 D.F. 1854 G.L. 1854
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	3450		
Depth Logger	3452		
Bottom Logged Interval	3431		
Top Logged Interval	2600		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	5000		
Density	9.1		
Level	Full		
Max. Rec. Temp. F	111		
Operating Rig Time	3 1/2 Hours		
Equipment -- Location	17 Hays		
Recorded By	D. Martin		
Witnessed By	Derek Patterson		

Borehole Record				Casing Record			
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	572	8.625	23#	00	572
Two	7.875	572	TD				

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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.

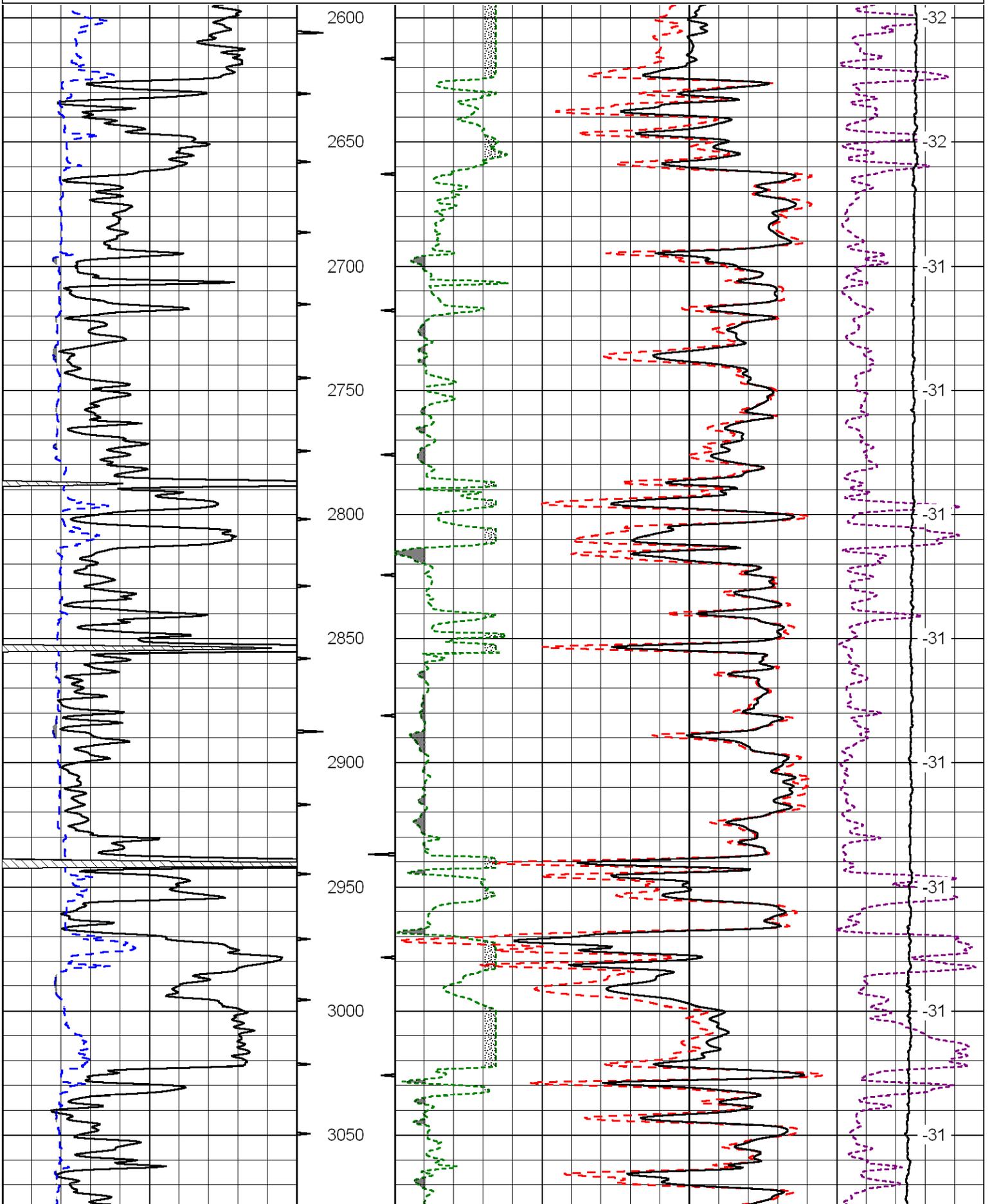
Comments

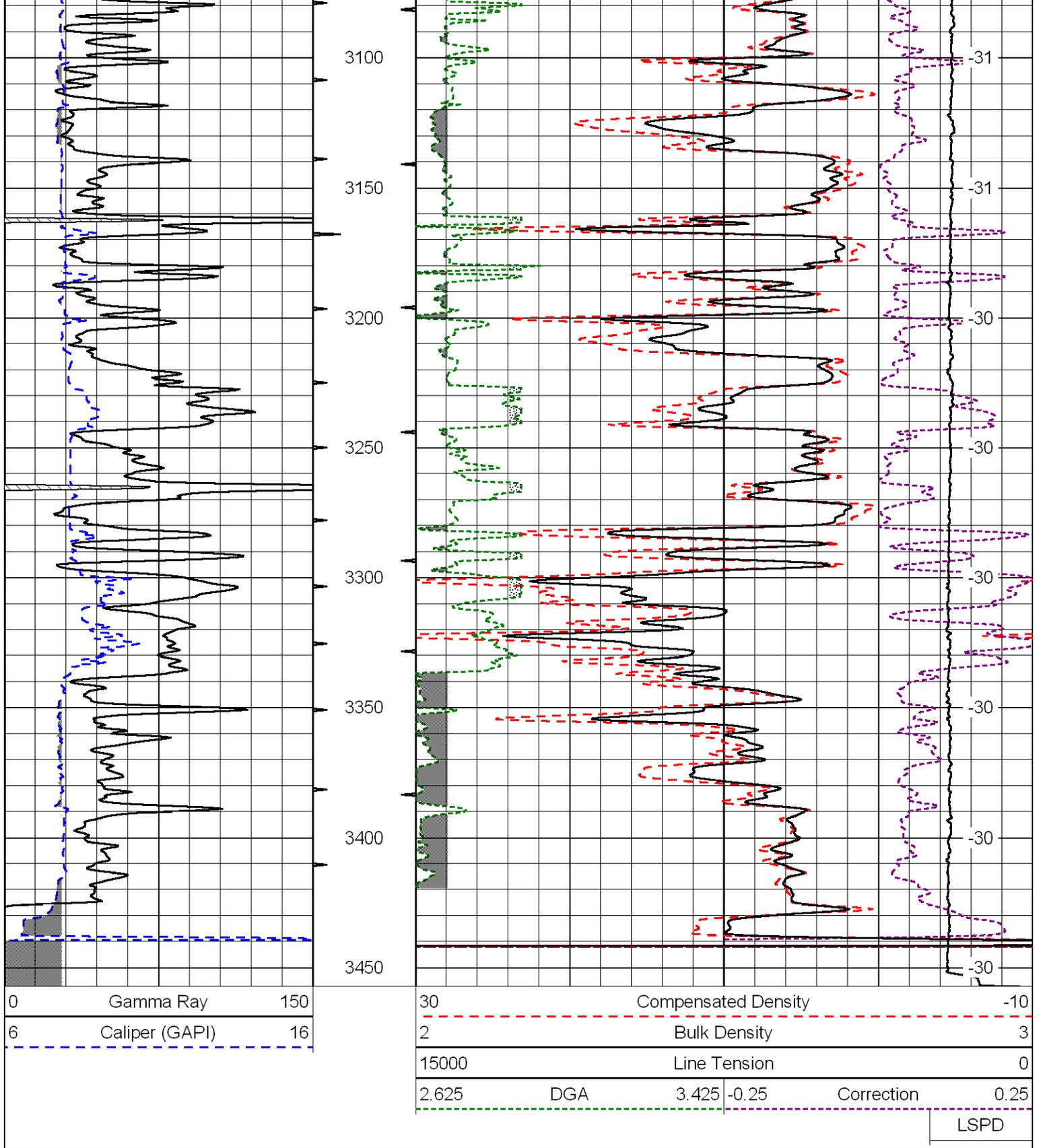
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Russell, KS
 10 1/2 S to Michalis Rd.,
 8 1/2 E to 194 Rd.,
 1/2 S, E Into

Database File: carhd.db
 Dataset Pathname: DIL/carstk
 Presentation Format: cdl
 Dataset Creation: Wed Aug 29 23:05:15 2012
 Charted by: Depth in Feet scaled 1:600

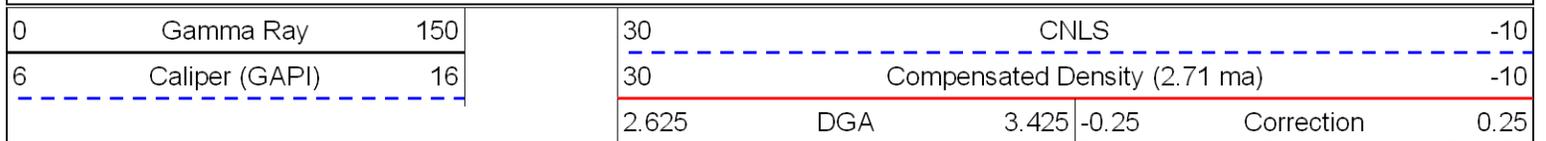
0	Gamma Ray	150
6	Caliper (GAPI)	16

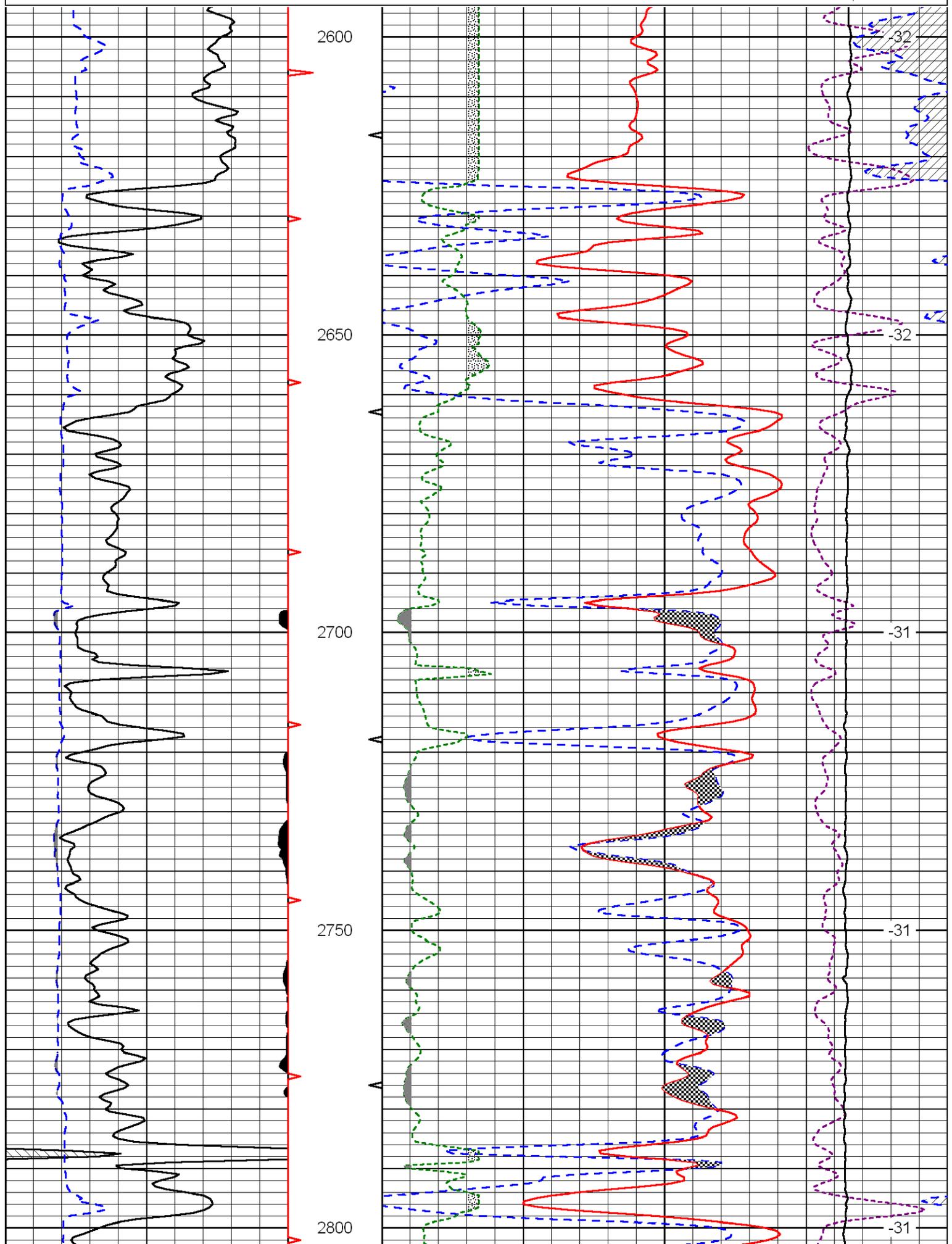
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

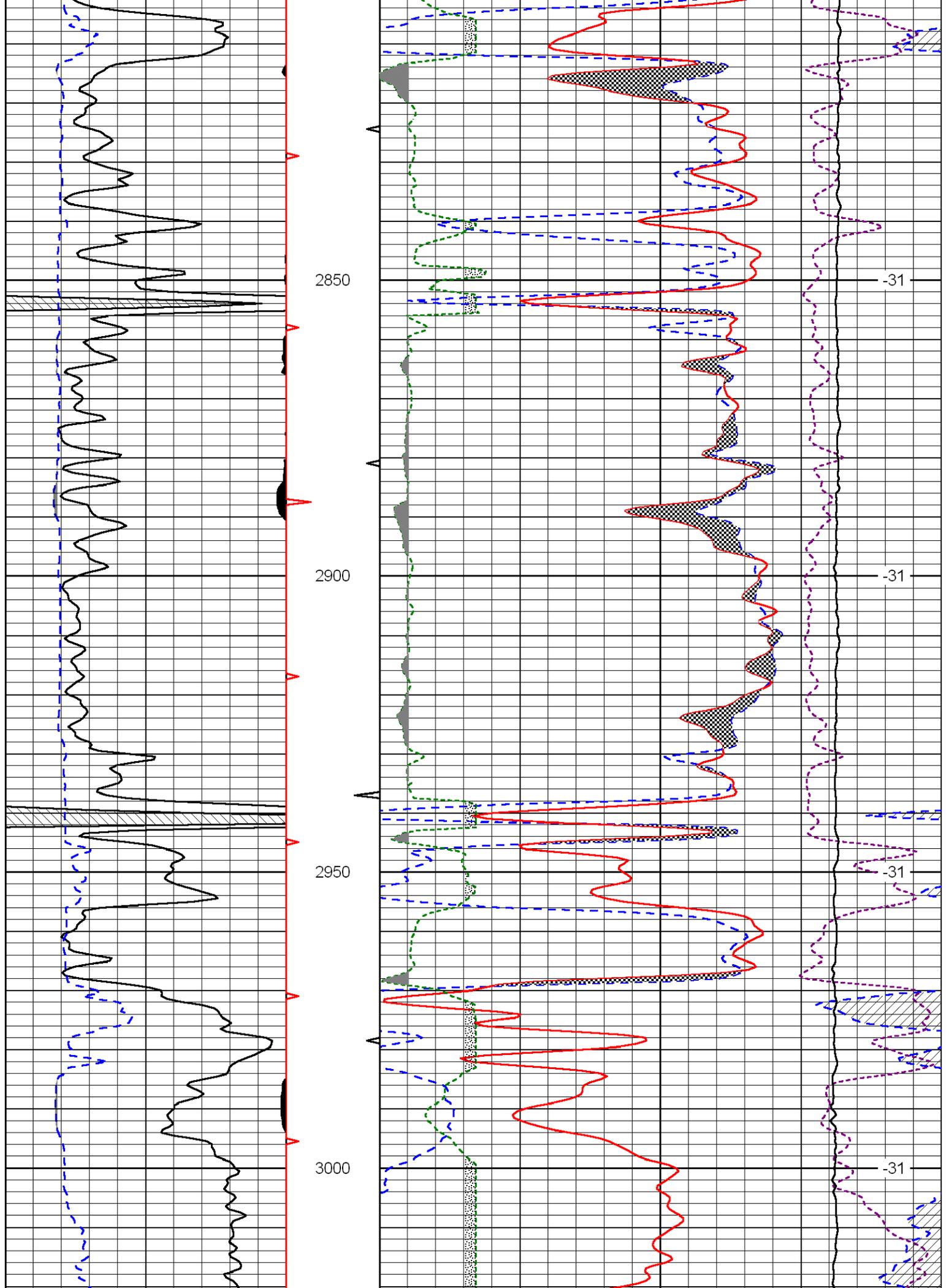


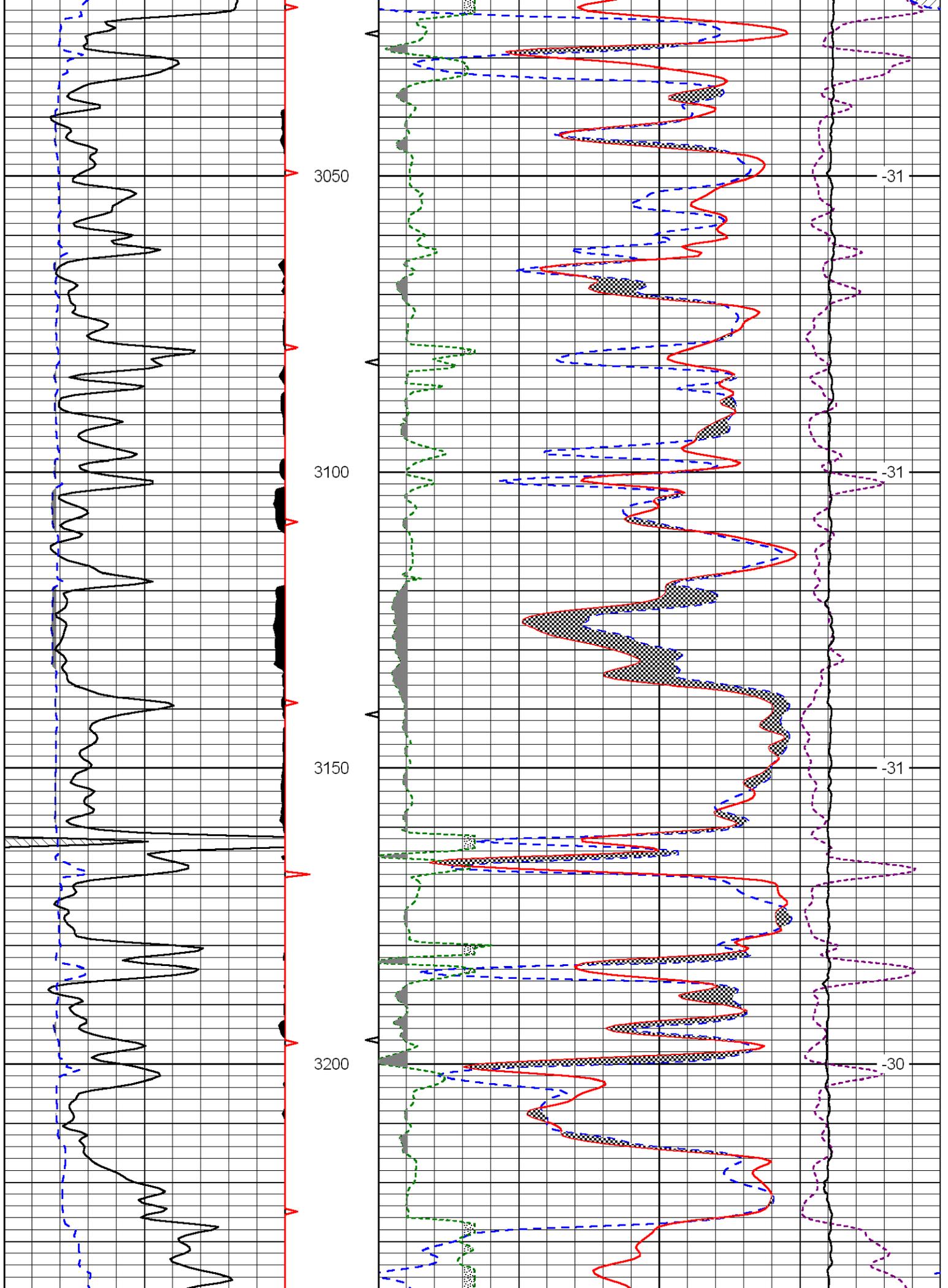


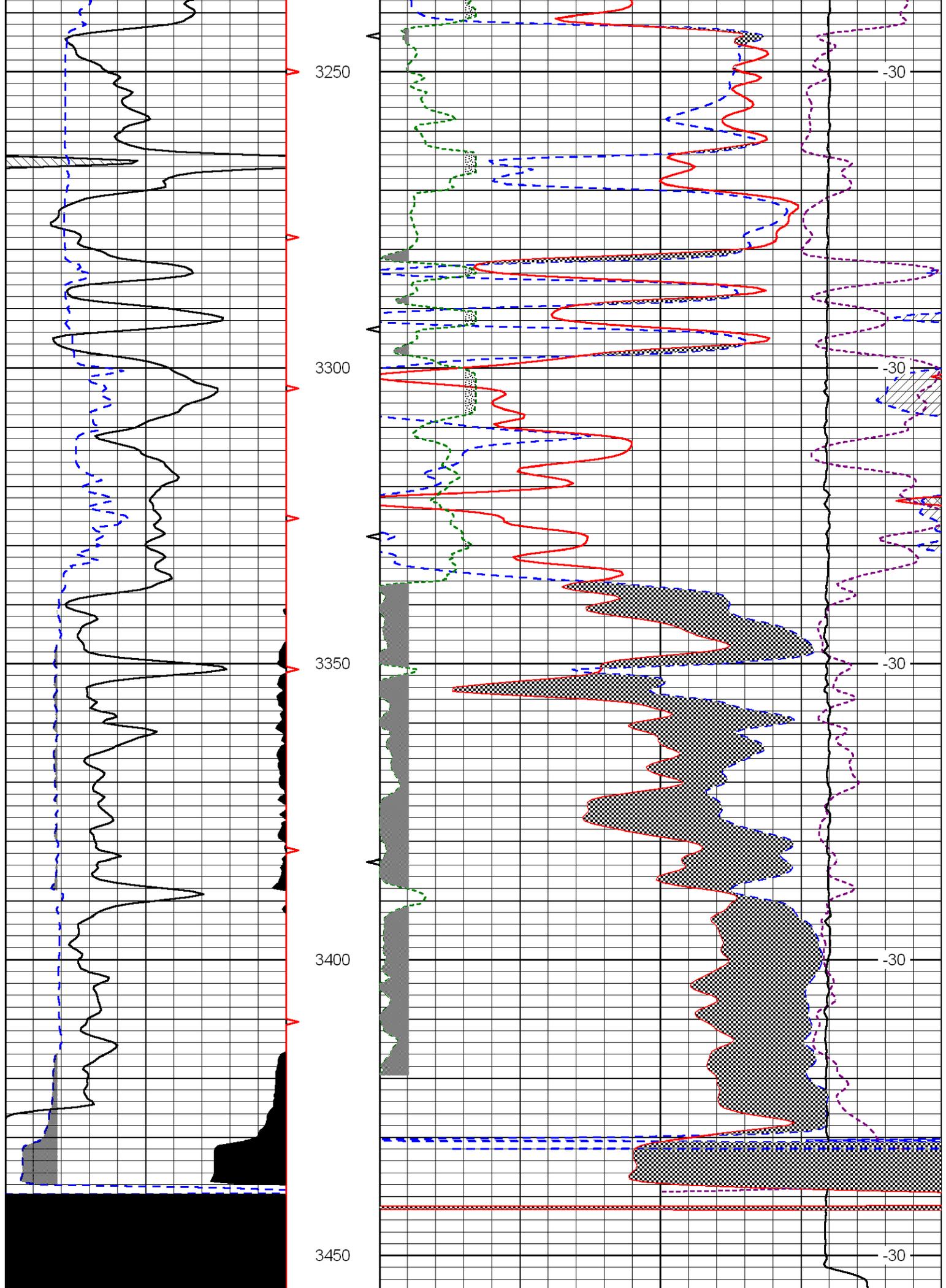
Database File: carhd.db
 Dataset Pathname: DIL/carstk
 Presentation Format: ondlspec
 Dataset Creation: Wed Aug 29 23:05:15 2012
 Charted by: Depth in Feet scaled 1:240











0	Gamma Ray	150	30	CNLS	-10
6	Caliper (GAPI)	16	30	Compensated Density (2.71 ma)	-10
			2.625	DGA	3.425
				-0.25	Correction
					0.25
			10000	Line Tension	0
					LSPD