



Pioneer Energy Services

## Dual Compensated Porosity Log

15-051-26,533-00-00

API No.	Company <b>TDI, Inc.</b>		
	Well	<b>Rossie # 1</b>	
	Field	<b>Unnamed</b>	
	County	<b>Ellis</b>	
	Location	<b>S2-N2-NW-SE 2010' FSL &amp; 1980' FEL</b>	
	Sec: 18	Twp: 12S	Rge: 18W
	Ground Level	Elevation 2203	
	Kelly Bushing	10 Ft. Above Perm. Datum	
	Kelly Bushing	K.B. 2213	
		D.F. MEL	
		G.L. 2203	

Date	7/10/2013		
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	3939		
Depth Logger	3944		
Bottom Logged Interval	3923		
Top Logged Interval	3100		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	1,400		
Density	9.2		
Level	Full		
Max. Rec. Temp. F	115		
Operating Rig Time	4 Hours		
Equipment -- Location	15 Hays		
Recorded By	J. Henrickson		
Witnessed By	Herb Deines		
	Tom Denning		
Borehole Record			
Run No.	Bit	From	To
1	12.25	00	222
2	7.875	222	3939
Casing Record			
	Size	Wgt.	From
	8.625	24#	00
			To
			222

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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.

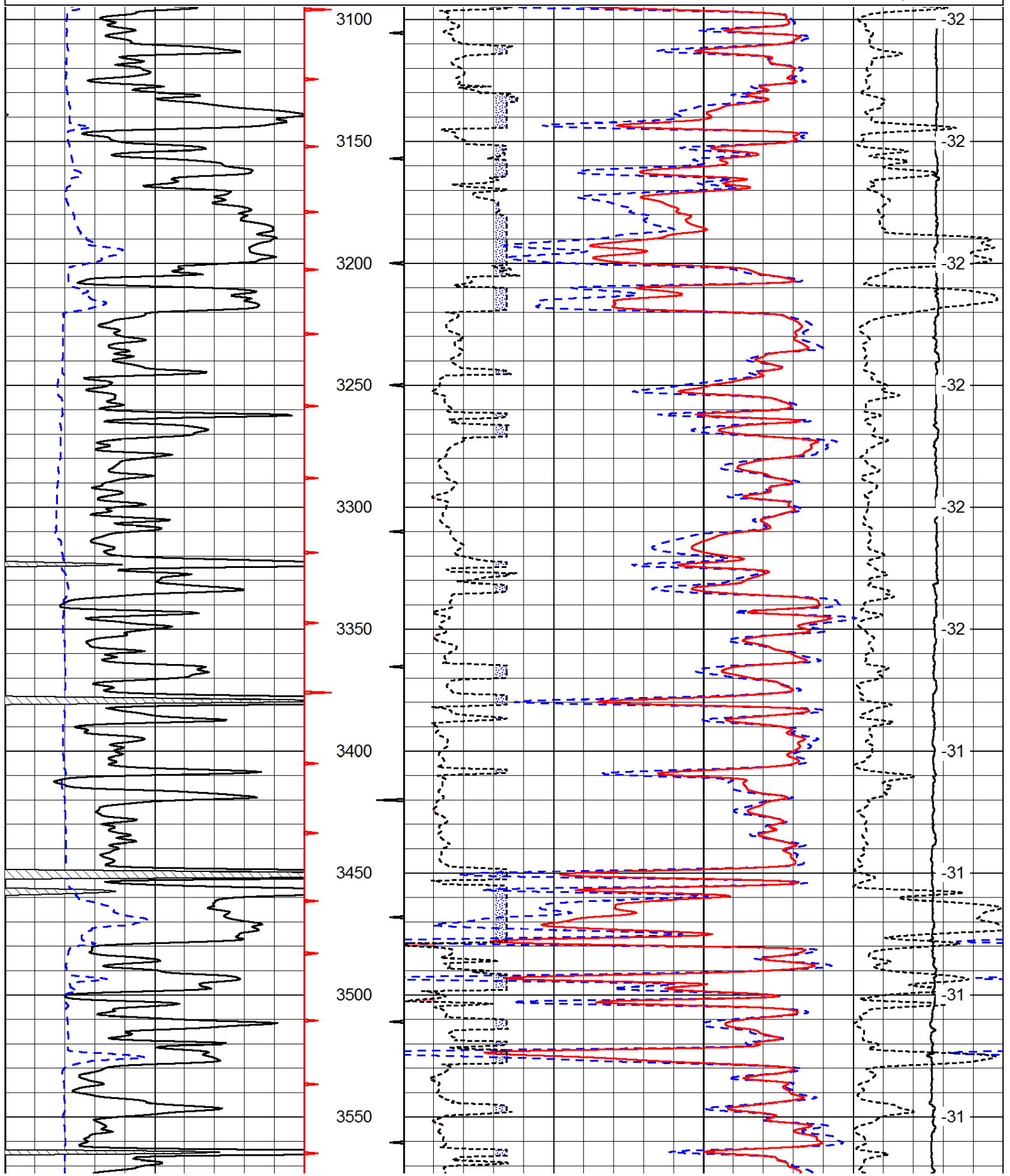
### Comments

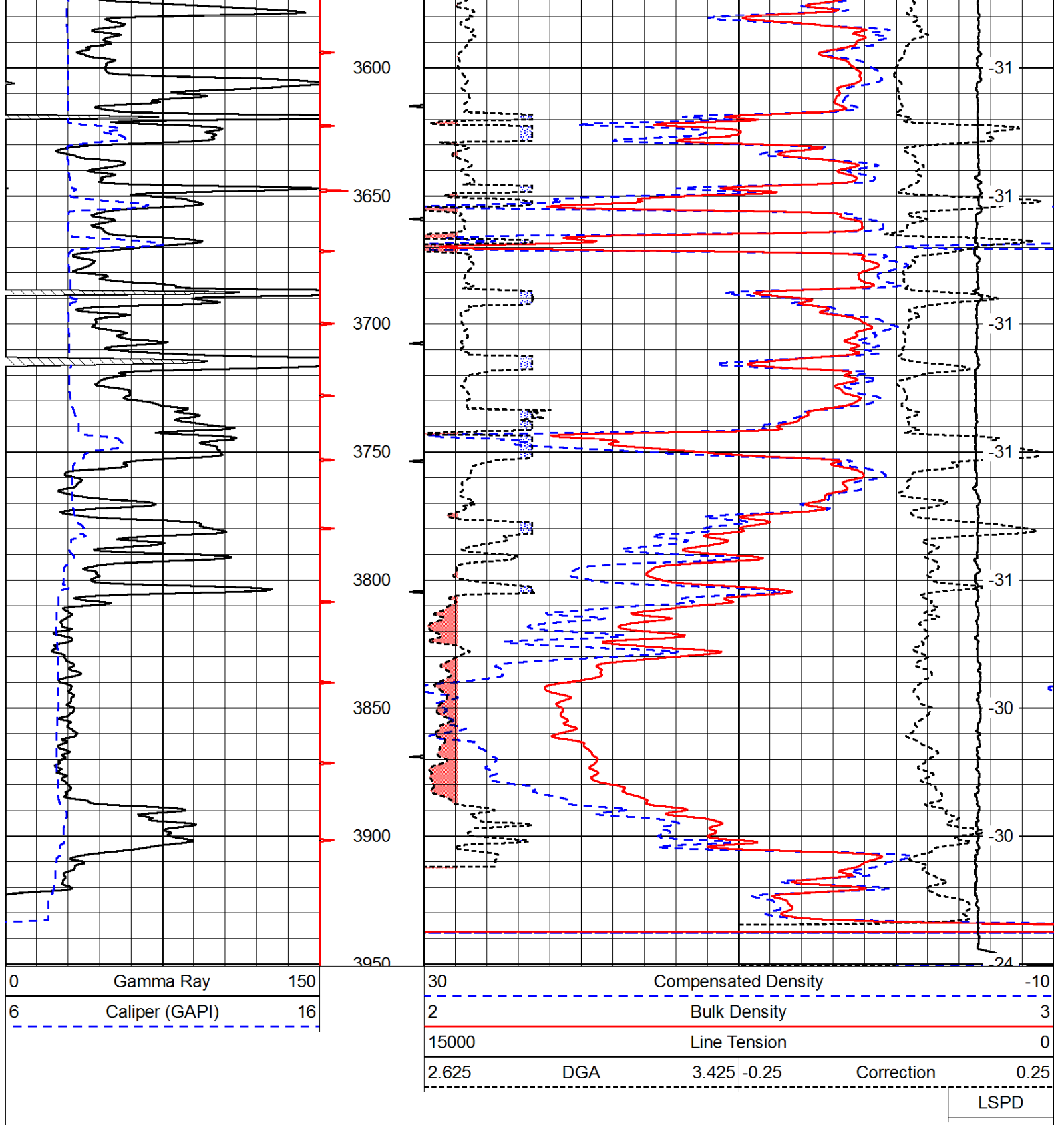
Thank you for using Pioneer Energy Services  
[www.pioneerres.com](http://www.pioneerres.com)  
 785 625 3858  
  
 Hays Kansas  
 North to Buckeye Rd, 2 West, 1/4 North, West Into

Database File: c:\warrior\data\tdi\_rossie #1\tdi\_rossie\_1hd.db  
 Dataset Pathname: DIL\tdistk  
 Presentation Format: cdl  
 Dataset Creation: Wed Jul 10 22:53:41 2013  
 Charted by: Depth in Feet scaled 1:600

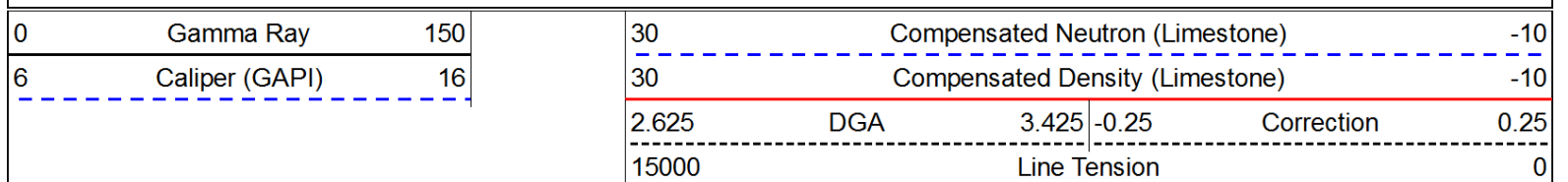
0	Gamma Ray	150
6	Caliper (GAPI)	16

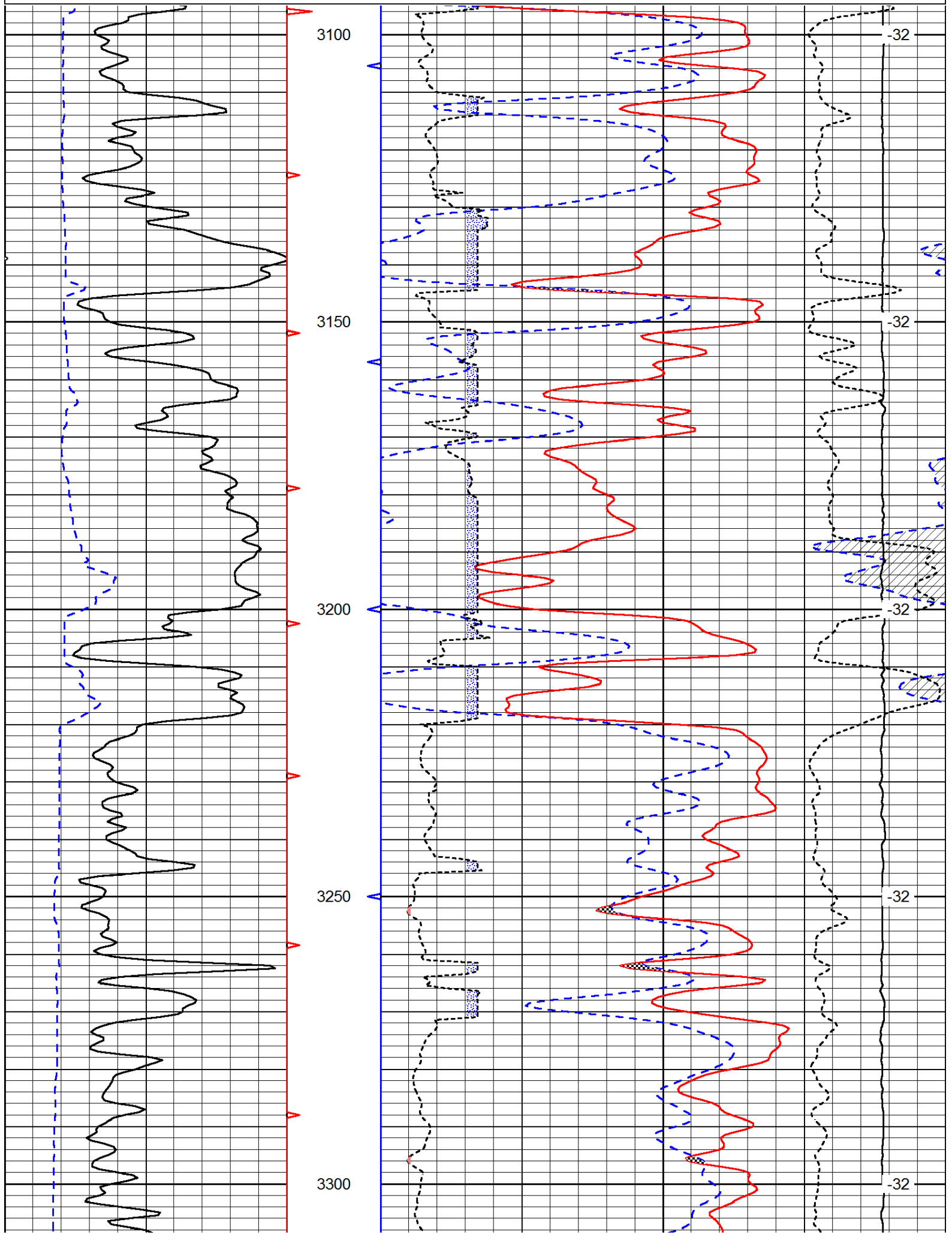
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

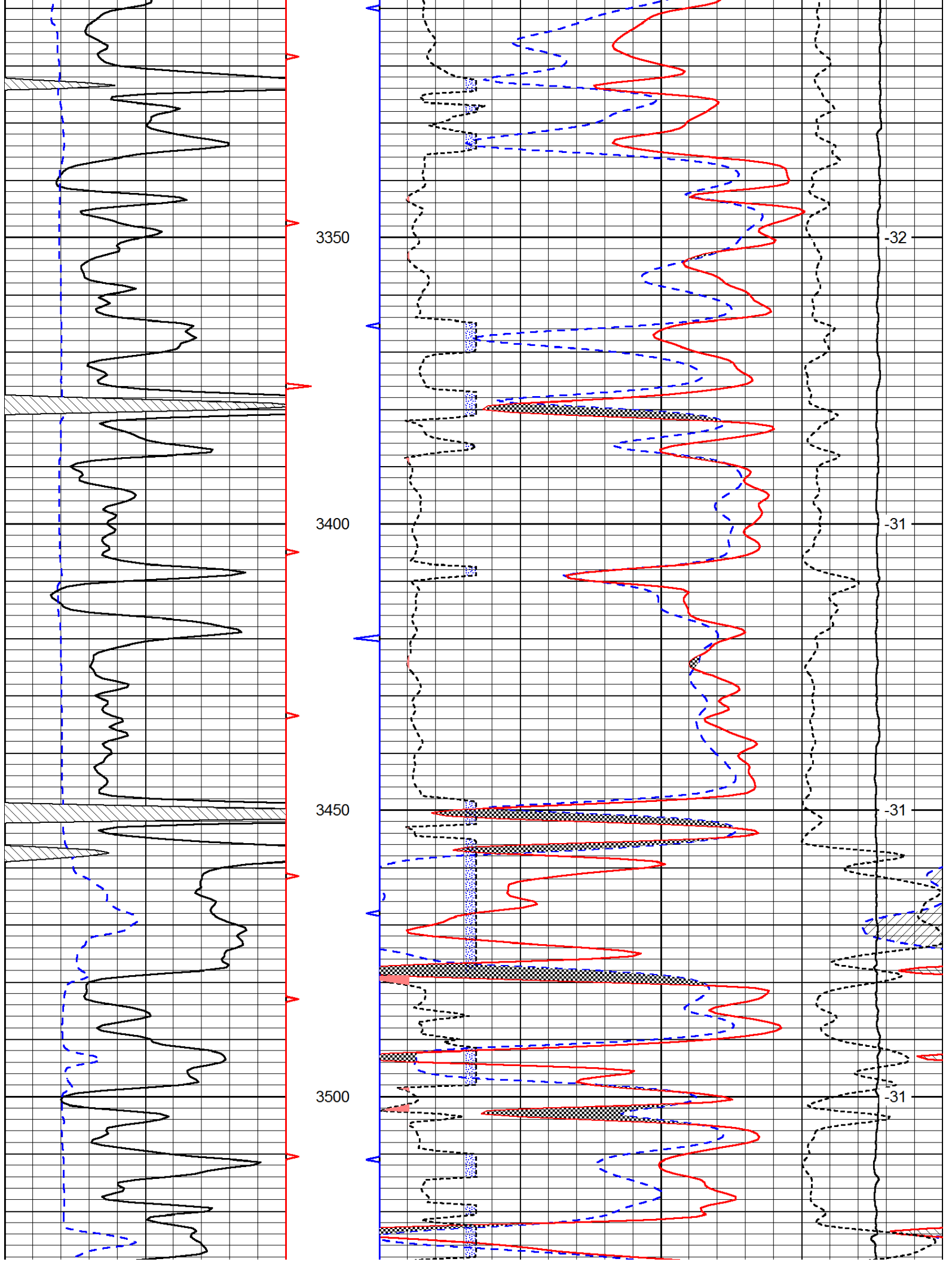


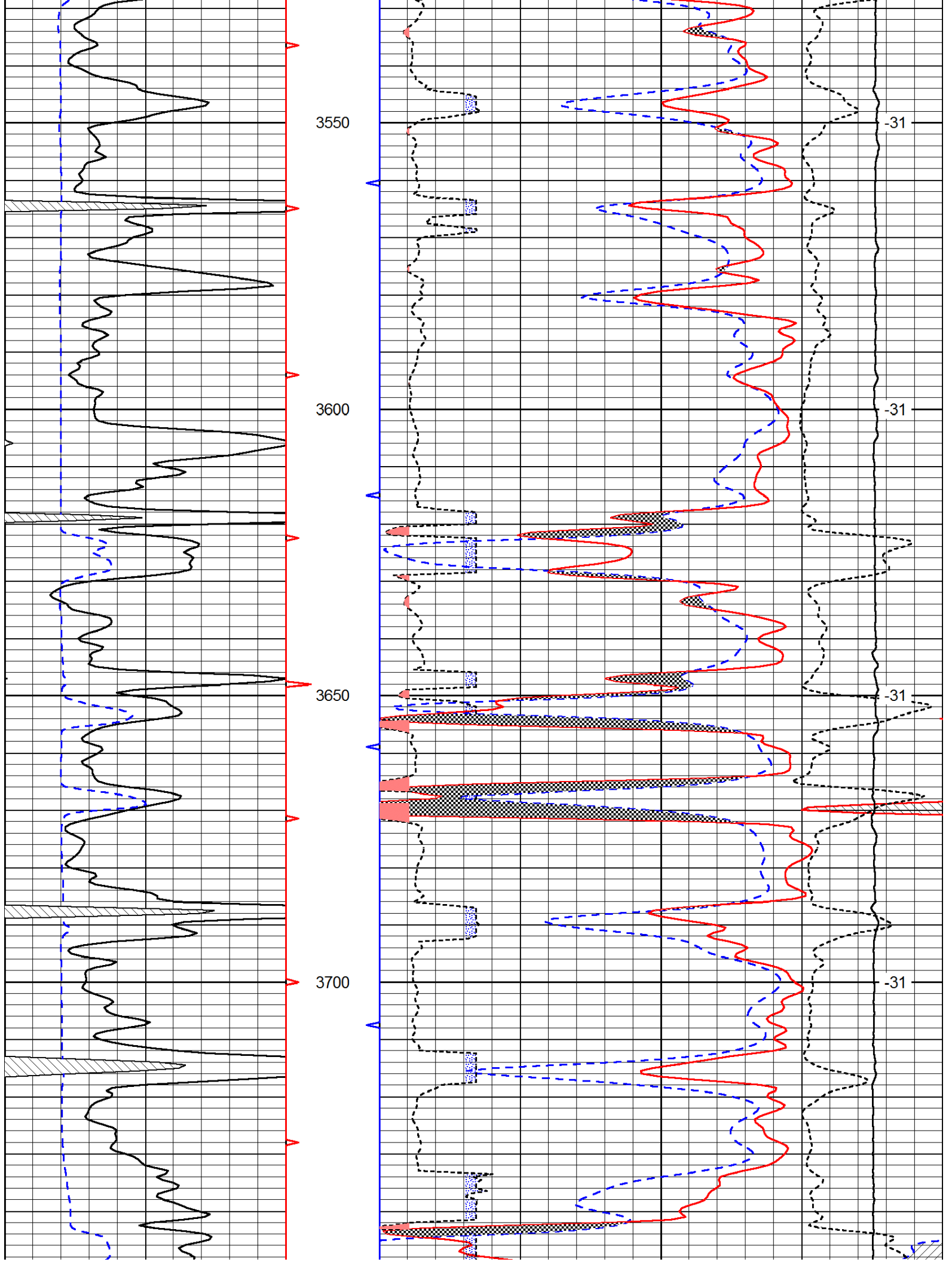


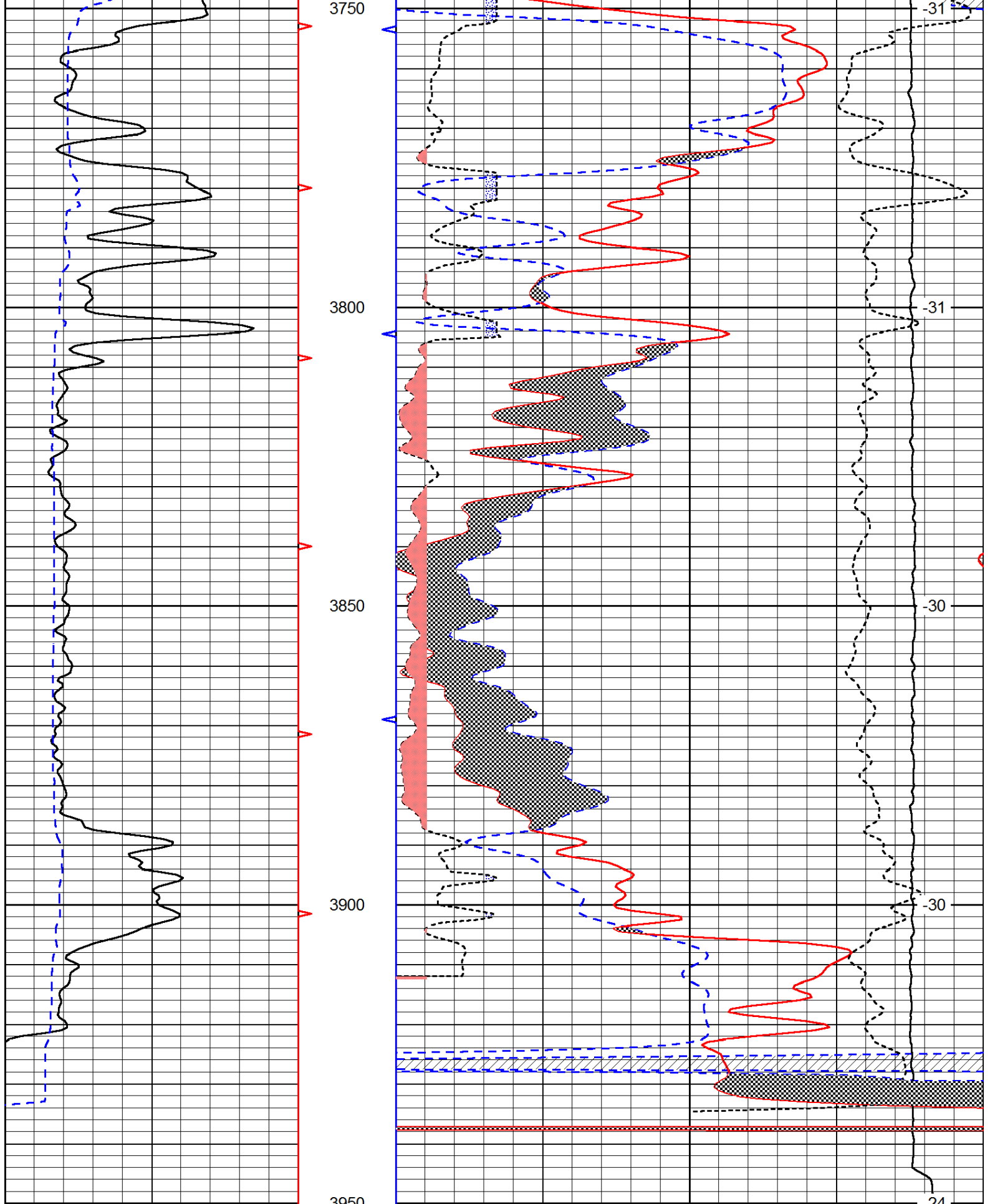
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 Dataset Pathname: DIL\tdistk  
 Presentation Format: cndlspec  
 Dataset Creation: Wed Jul 10 22:53:41 2013  
 Charted by: Depth in Feet scaled 1:240











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		

