



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-185-23,768-00-00	
Company	H&B Petroleum Corporation	
Well	Salem "V" No. 1	
Field	Chase-Silica	
County	Stafford	State Kansas
Location	NW SE NE 1,870' FNL & 1,205' FEL	
	Sec: 2	Twp: 21S Rge: 12W
Other Services	DILMEL	
Permanent Datum	Ground Level	Elevation 1922
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	K.B. 1830 D.F. 1828 G.L. 1822

Date	10/24/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	3500	
Depth Logger	3500	
Bottom Logged Interval	3479	
Top Logged Interval	2800	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	5200	
Density	9.2	
Level	Full	
Max. Rec. Temp. F	111	
Operating Rig Time	4 Hours	
Equipment -- Location	108	Hays
Recorded By	J. Long	
Witnessed By	Jim Musgrove	

Borehole Record		Casing Record					
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	353	8.625	23#	00	353
Two	7.875	353					

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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

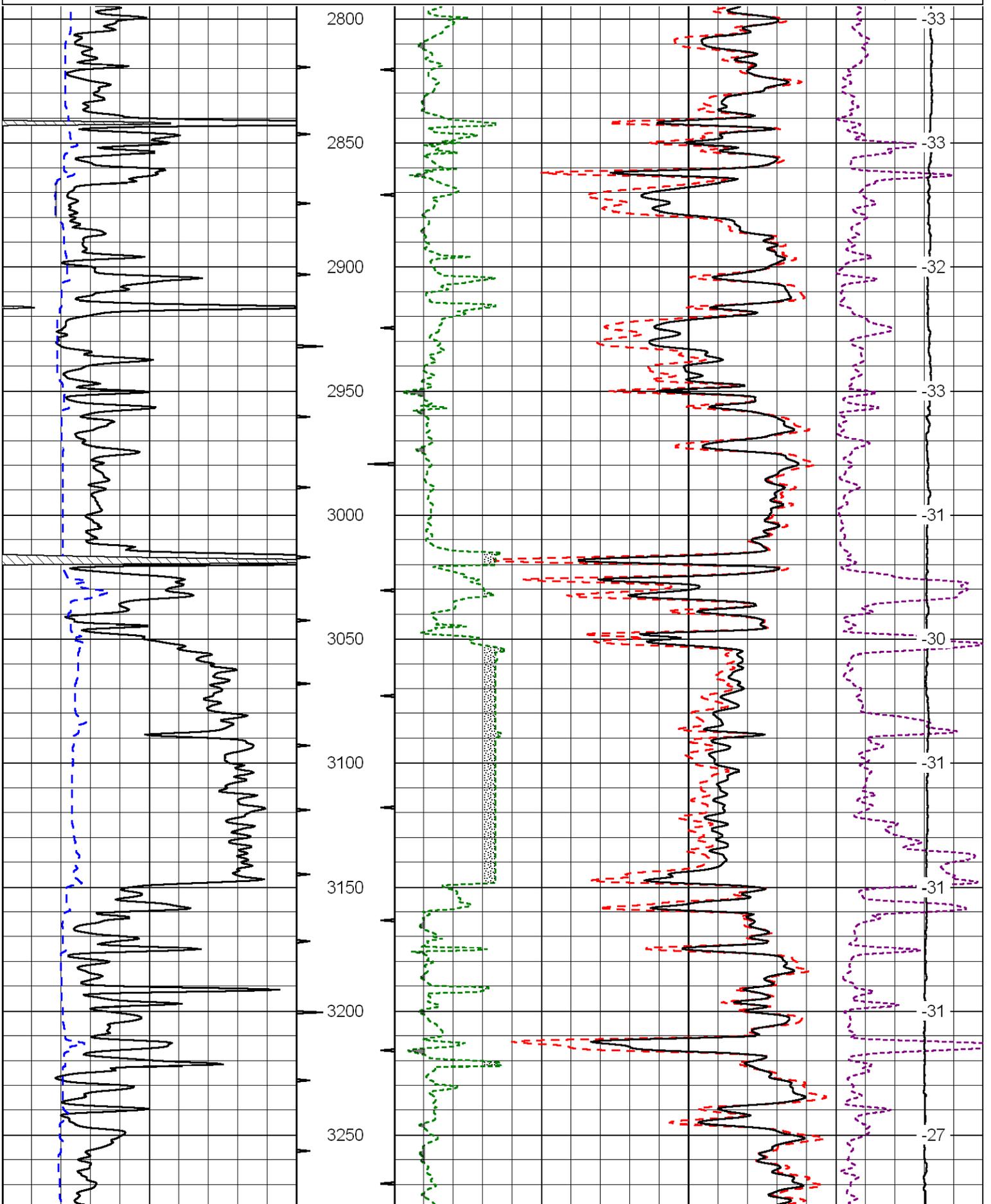
Thank you for using Log-Tech, Inc.
(785) 625-3858

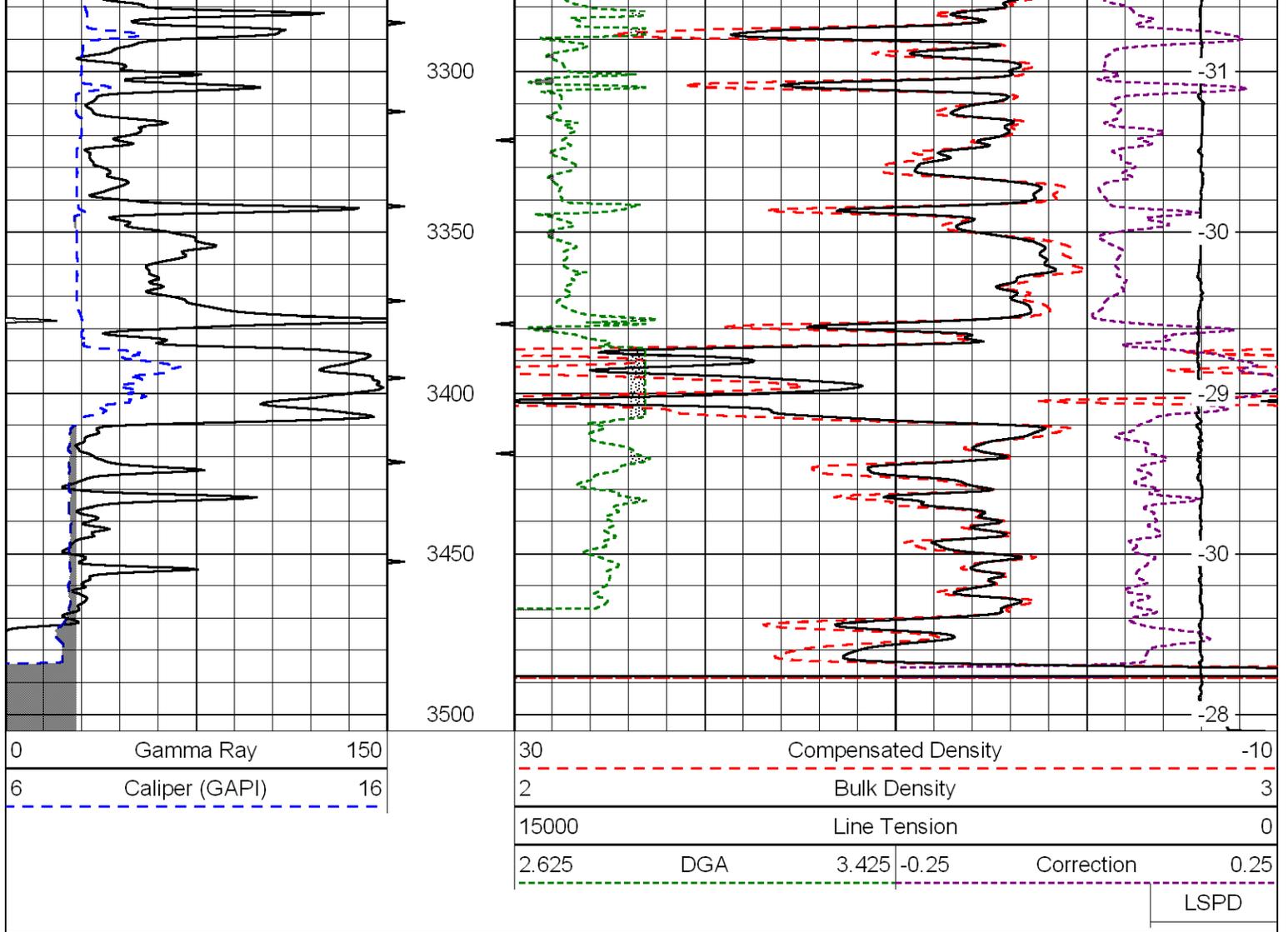
Ellinwood, South to County Line, 1/3 South, West Into

Database File: h&b_salem_v_1hd.db
 Dataset Pathname: dil/hbstck
 Presentation Format: cdl
 Dataset Creation: Wed Oct 24 13:26:25 2012
 Charted by: Depth in Feet scaled 1:600

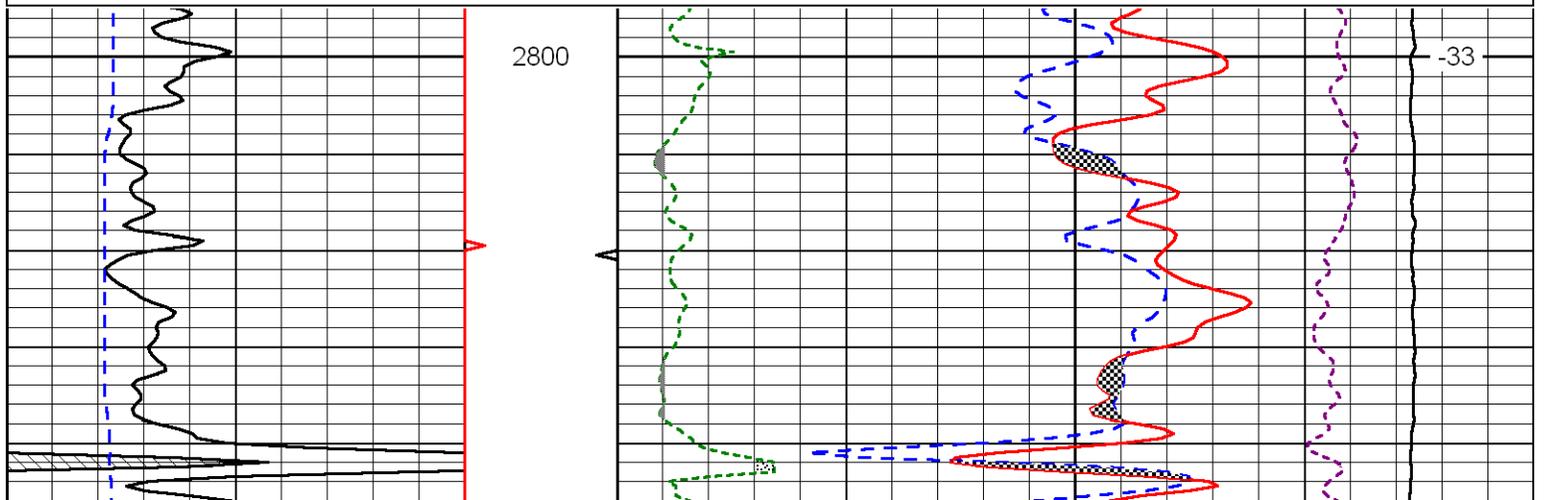
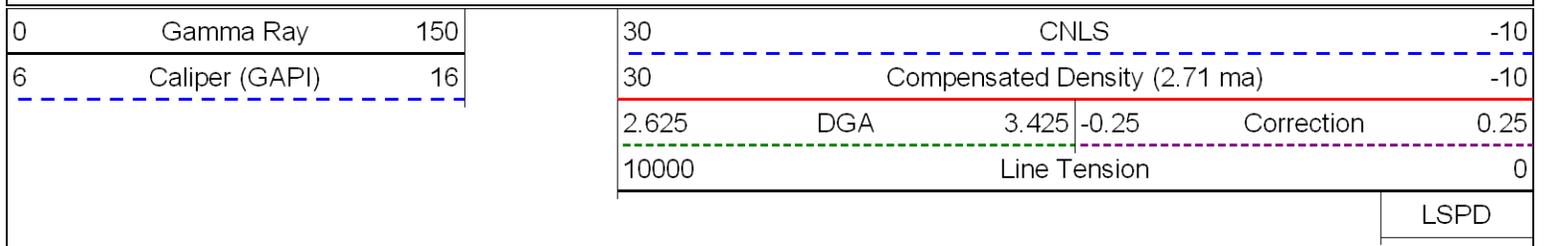
0	Gamma Ray	150
6	Caliper (GAPI)	16

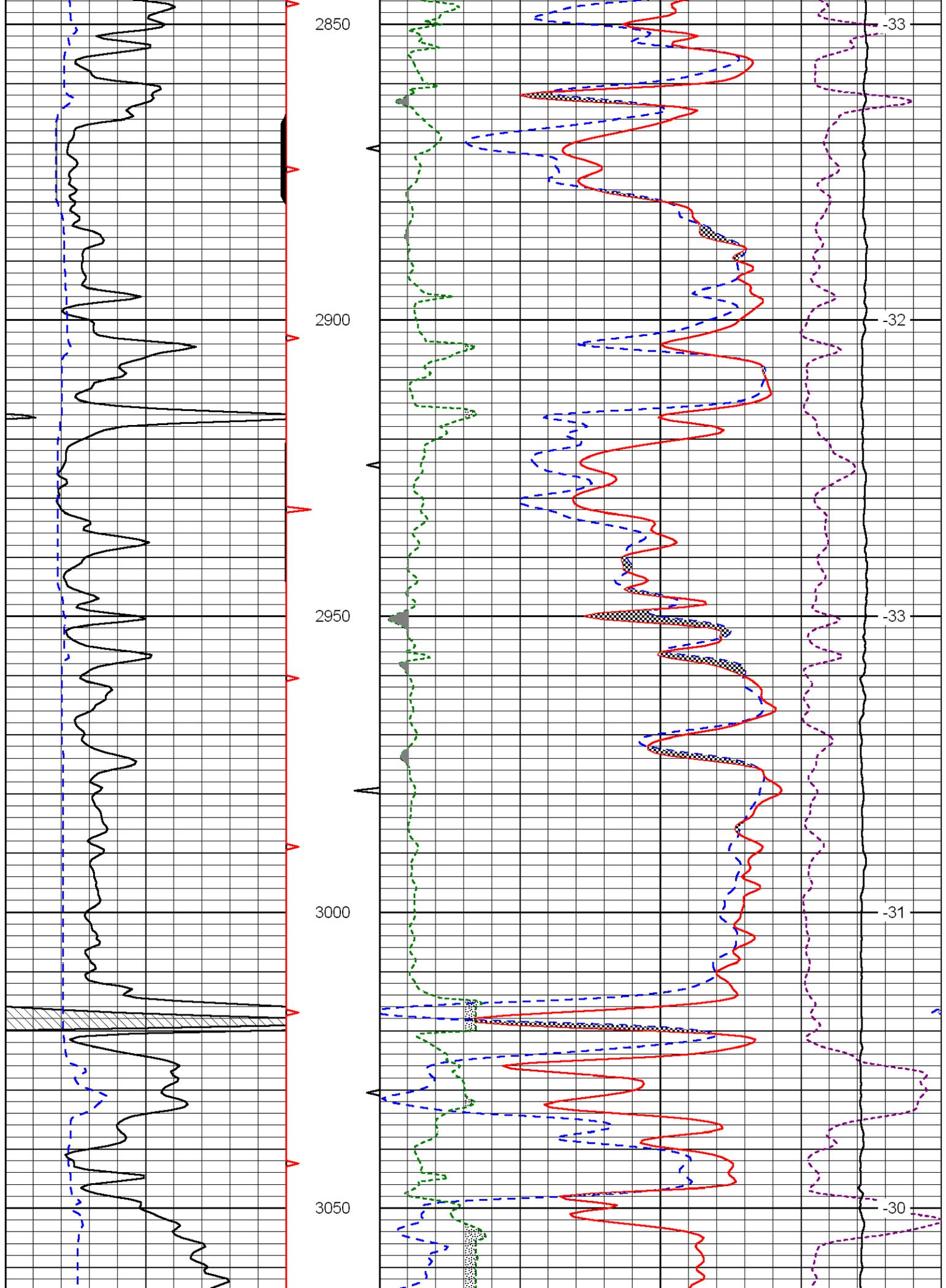
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
			Correction
			0.25
LSPD			

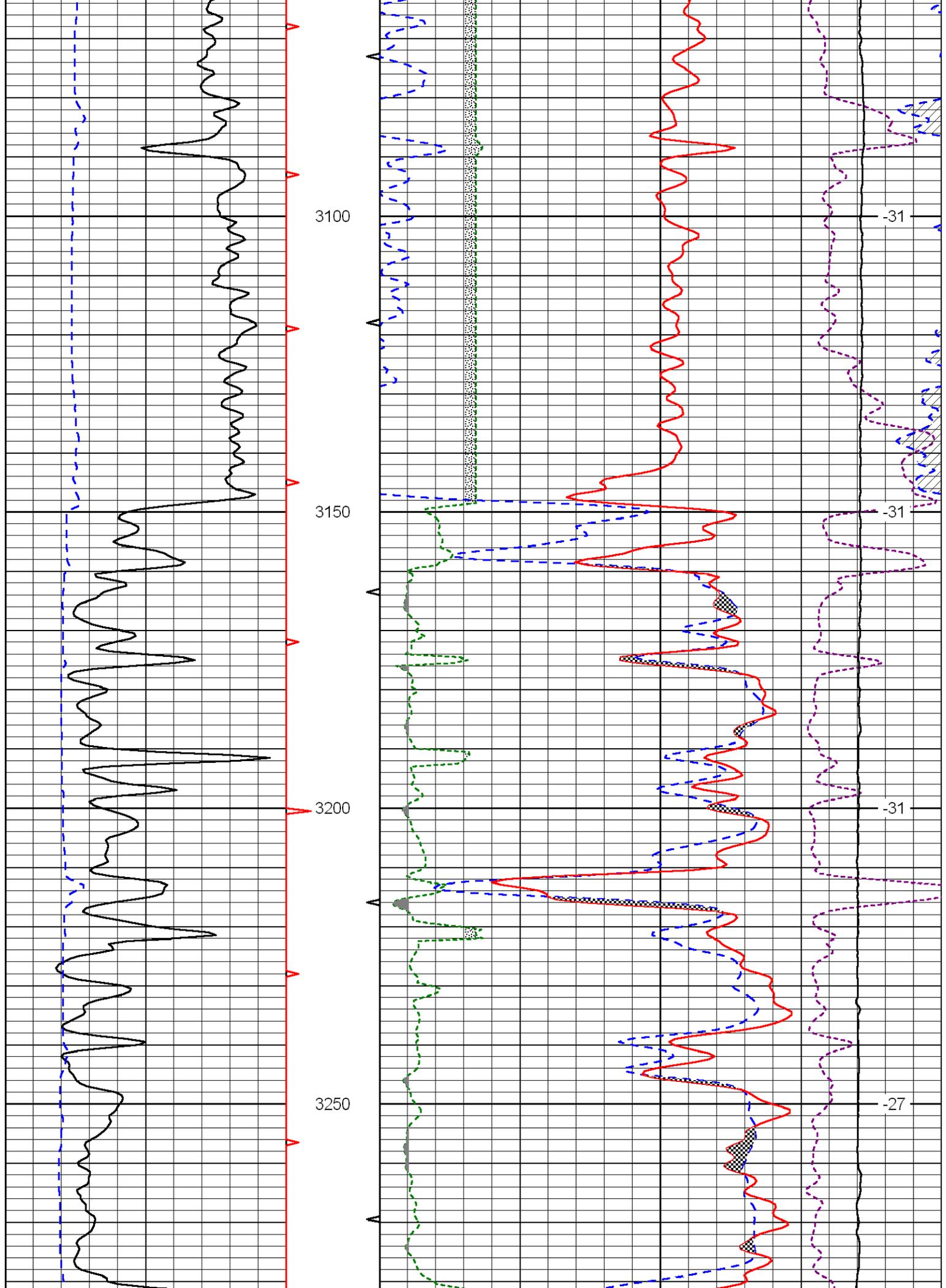


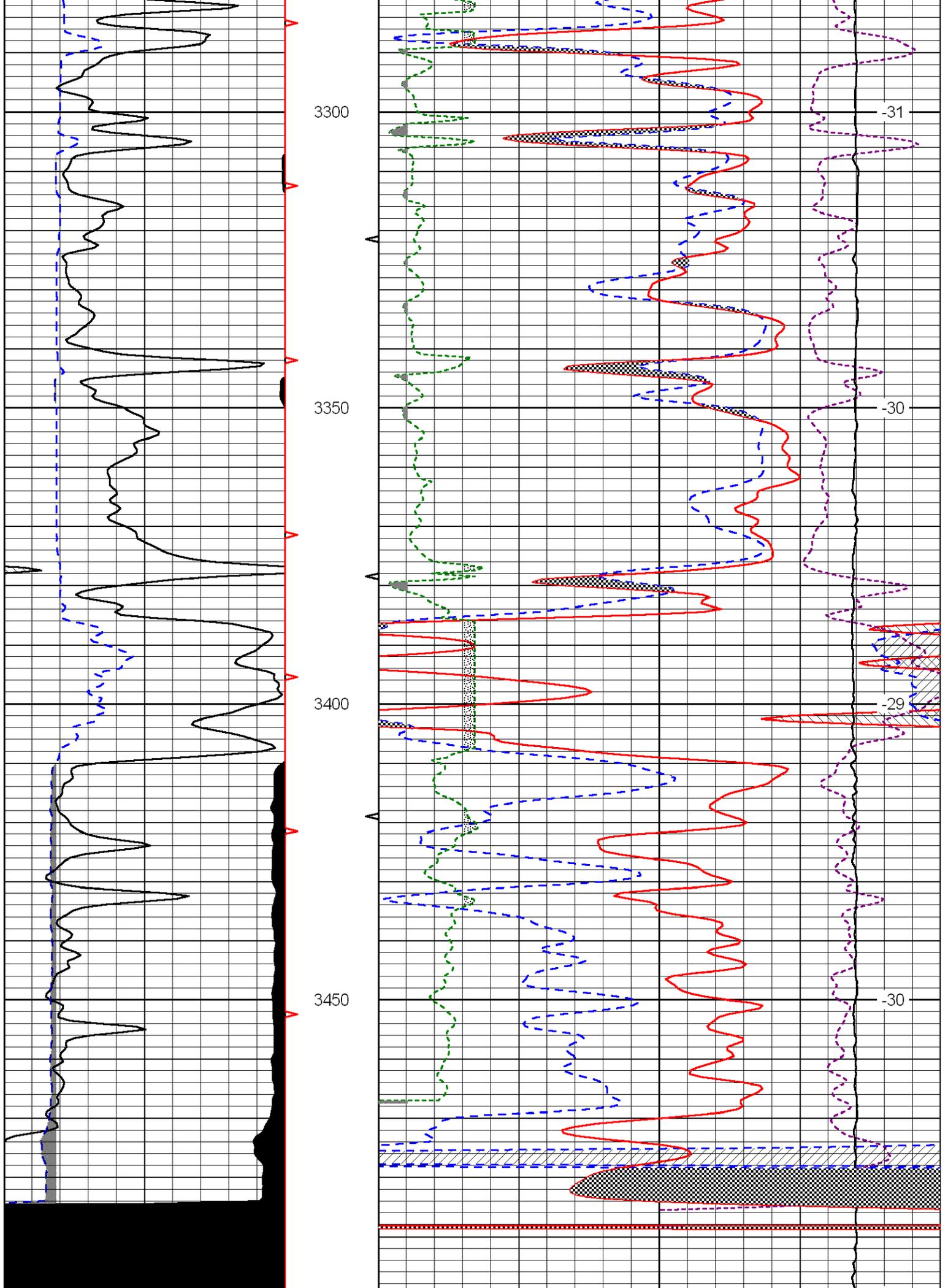


Database File: h&b_salem_v_1hd.db
 Dataset Pathname: dil/hbstck
 Presentation Format: cndlspec
 Dataset Creation: Wed Oct 24 13:26:25 2012
 Charted by: Depth in Feet scaled 1:240









3500

-28

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