



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-195-22,785-00-00

Company Herman L. Loeb, LLC

Well Eva Richardson No. 4-19

Field Mong

County Trego State Kansas

Location SE SW NE SE
1,520' FSL & 985' FEL

Sec: 19 Twp: 11S Rge: 22W

Other Services
DIL/MEL

Permanent Datum Ground Level Elevation 2291

Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 2302
D.F.
G.L. 2291

Date 6/5/2012

Run Number One

Type Log CNL / CDL

Depth Driller 3990

Depth Logger 3990

Bottom Logged Interval 3988

Top Logged Interval 3300

Type Fluid In Hole Chemical

Salinity, PPM CL 2600

Density 9.3

Level Full

Max. Rec. Temp. F 116

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Jim Hall

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	250	8.625	23#	00	250
Two	7.875	250	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

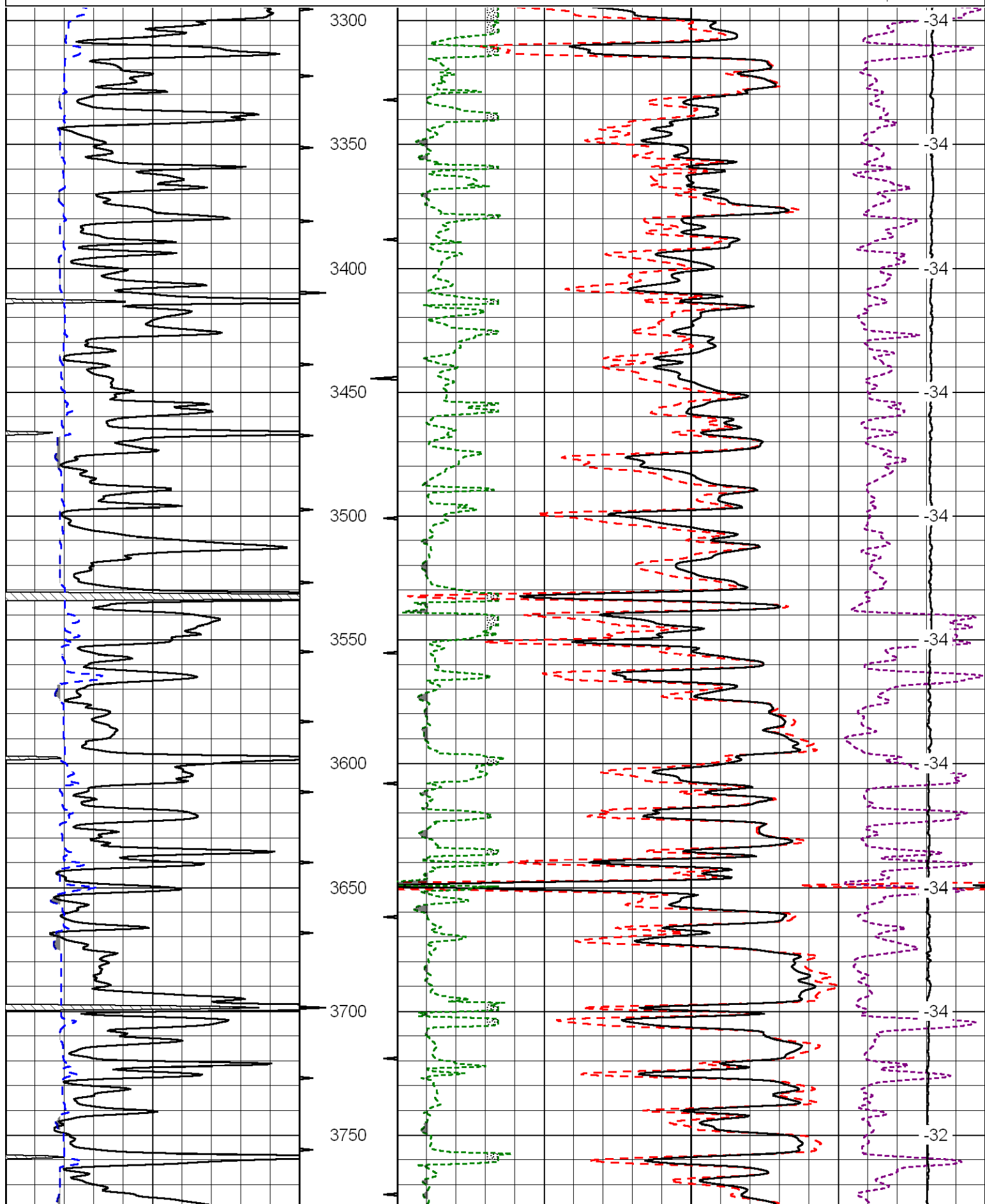
Thank you for using Log-Tech, Inc.
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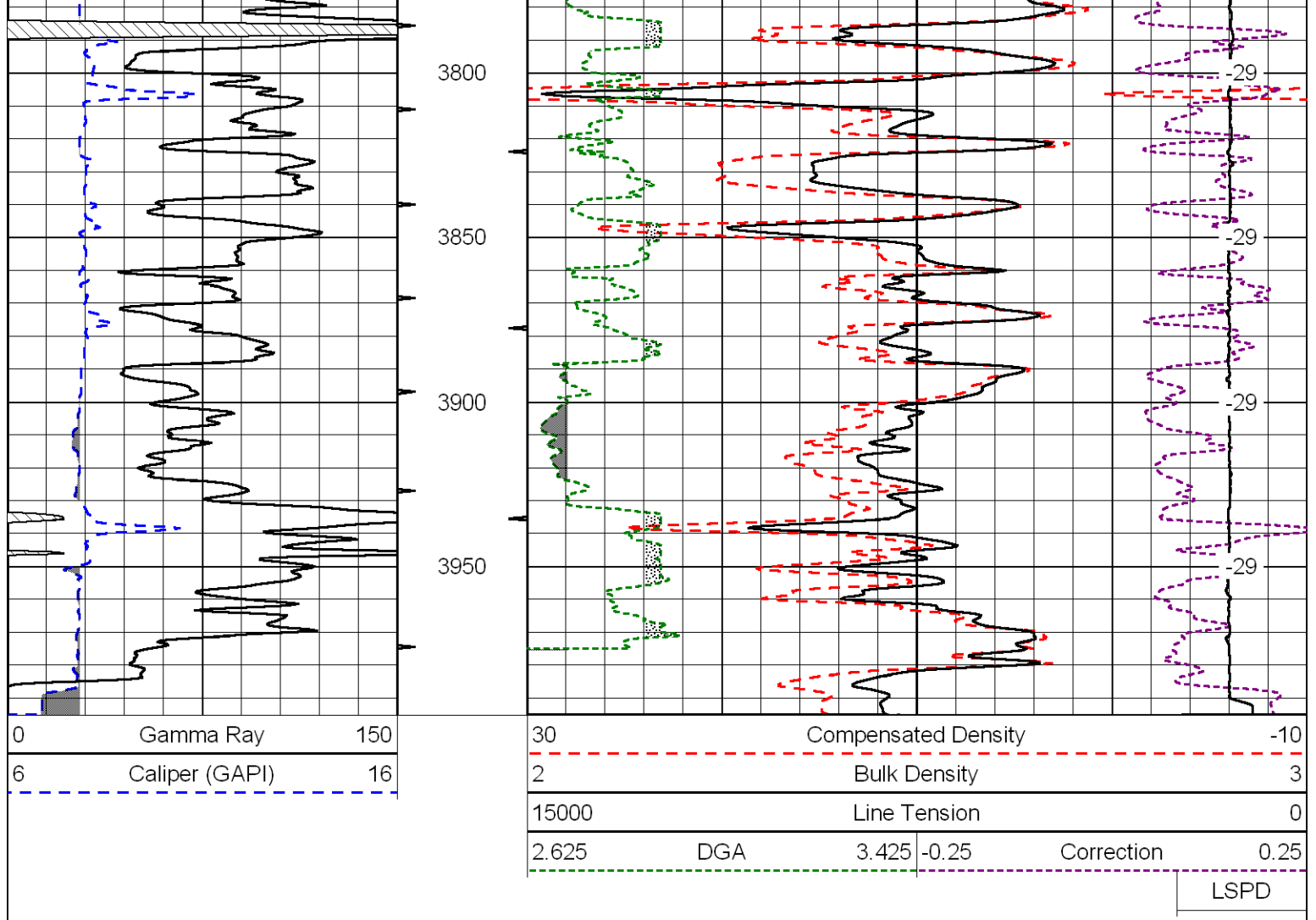
Wakeeney (North Edge), 4 East on H Road to 300 Road, 3 1/4 North, West Into (North side of Tank Battery

Database File: hermanlloeb_evarichardson_4-19hd.db
Dataset Pathname: dil/hermstok
Presentation Format: cdl
Dataset Creation: Tue Jun 05 06:40:59 2012
Charted by: Depth in Feet scaled 1:600

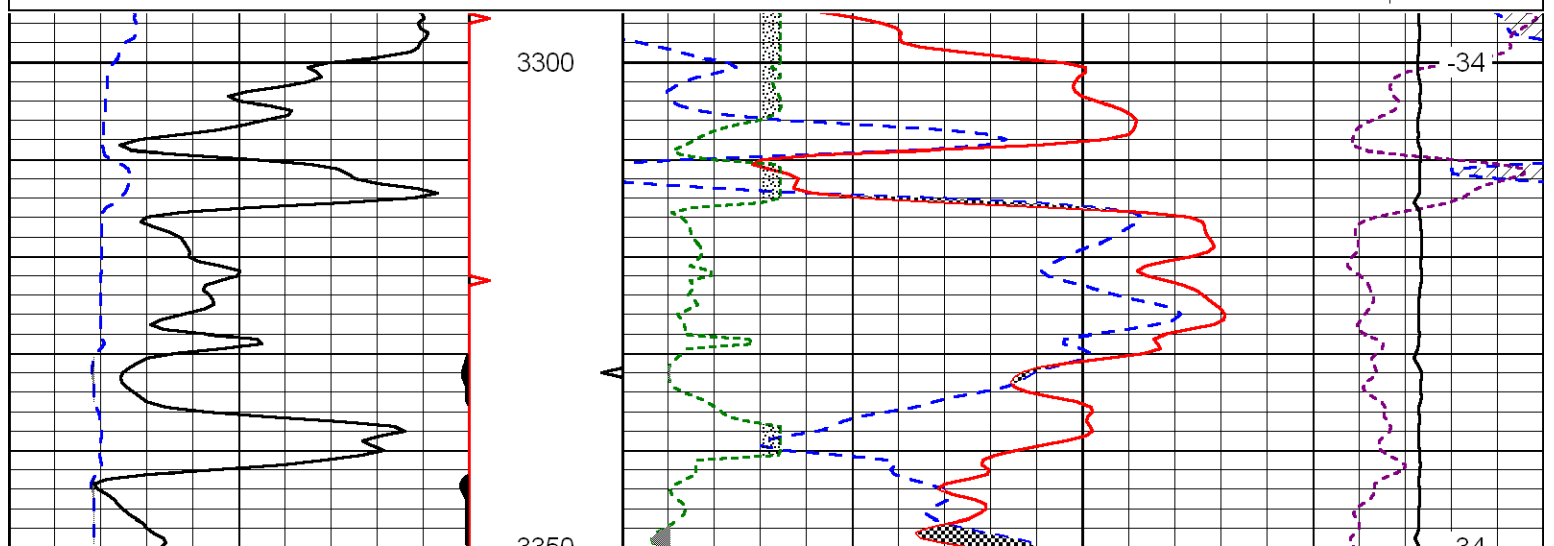
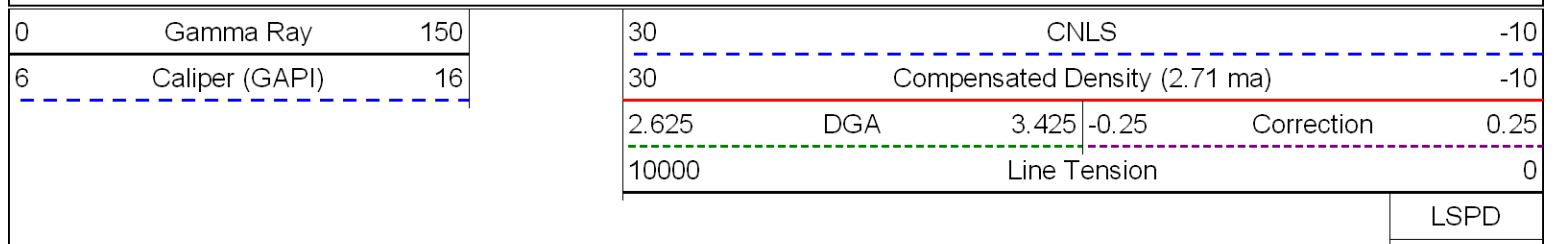
0	Gamma Ray	150
6	Caliper (GAPI)	16

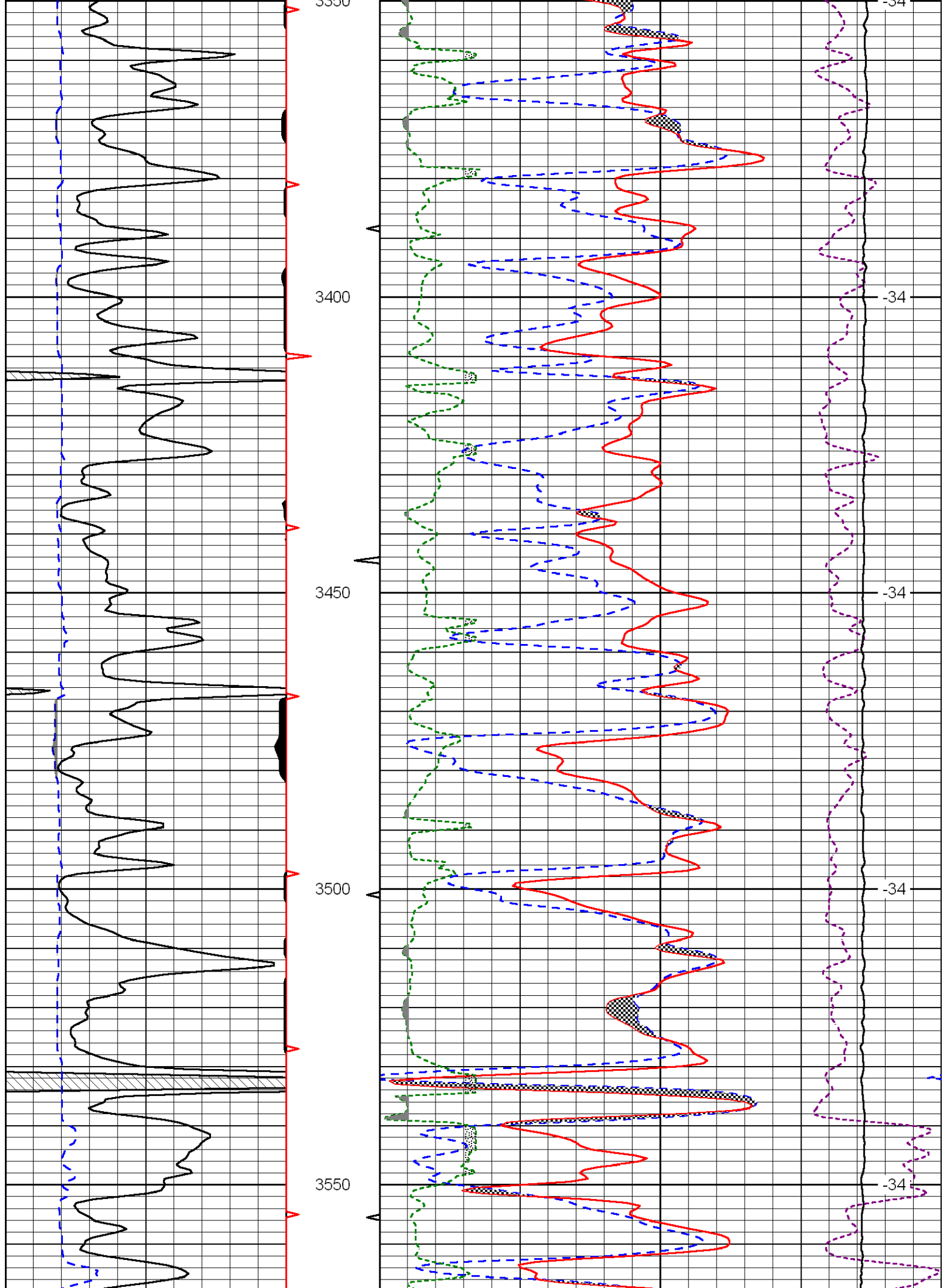
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

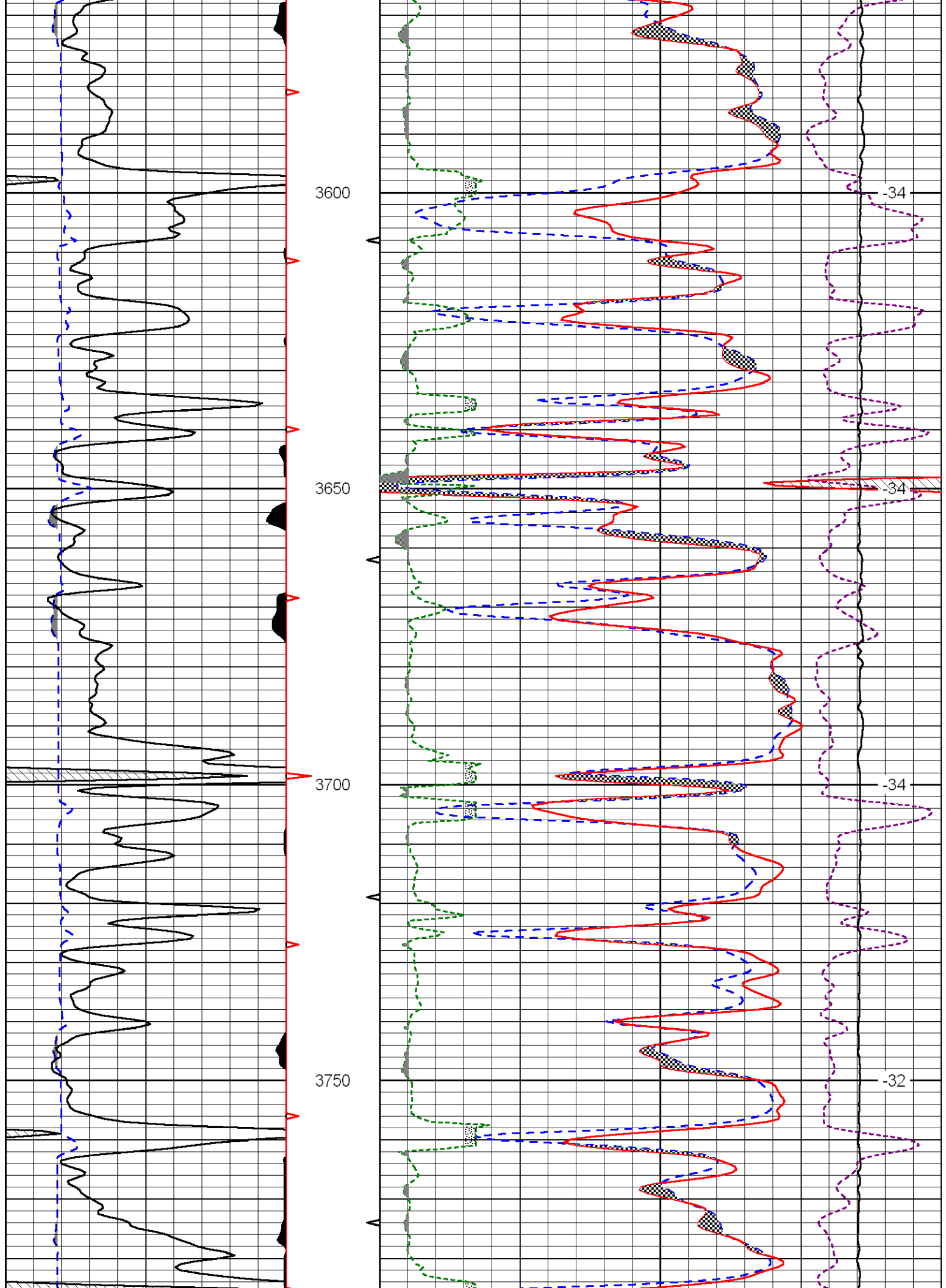


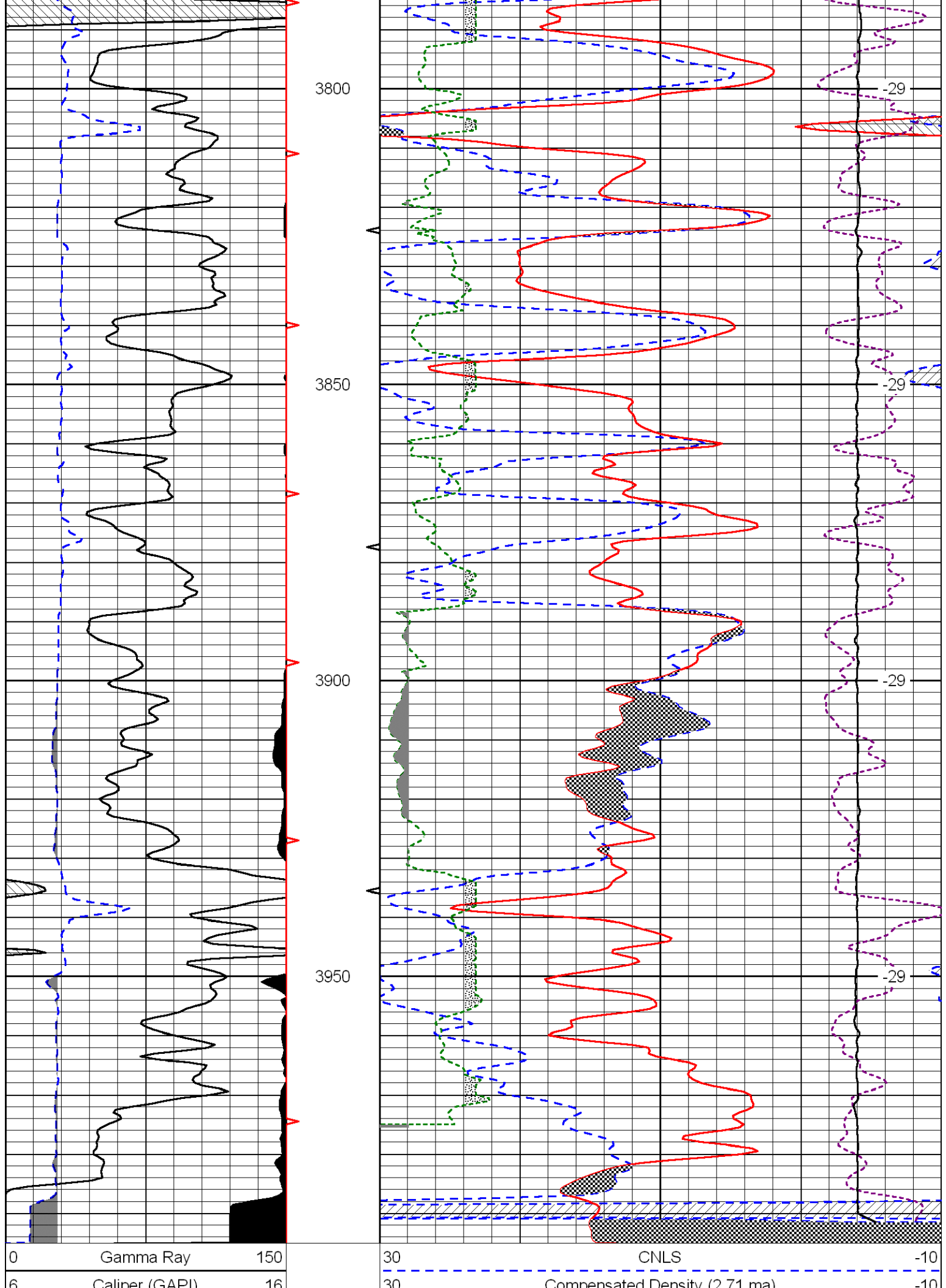


Database File: hermanlloeb_evarichardson_4-19hd.db
Dataset Pathname: dil/hermstck
Presentation Format: cndlspec
Dataset Creation: Tue Jun 05 06:40:59 2012
Charted by: Depth in Feet scaled 1:240









Caliper (GAIN)		Compensated Density (2.71 t/m ³)			
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0
					LSPD