



Pioneer Energy Services

Dual Compensated Porosity Log

15-053-21313-00-00

Company American Warrior, Inc.
Well White #7-8
Field Stollenberg
County Ellsworth State Kansas

Location 1425' FNL & 1800' FWL
Sec: 8 Twp: 16S Rge: 10W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 1865
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1873
D.F.
G.L. 1865

Date 06/23/2014

Run Number One

Type Log CNL / CDL

Depth Driller 3446

Depth Logger 3449

Bottom Logged Interval 3428

Top Logged Interval 2600

Type Fluid In Hole Chemical

Salinity, PPM CL 4600

Density 9.3

Level Full

Max. Rec. Temp. F 112

Operating Rig Time 3 Hours

Equipment -- Location 91 Days

Recorded By M. Beougher

Witnessed By D. Schmidt

Witnessed By Jim Musgrove

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	363	8.625	24#	00	363
2	7.875	363	3446				

<<< Fold Here >>>

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.

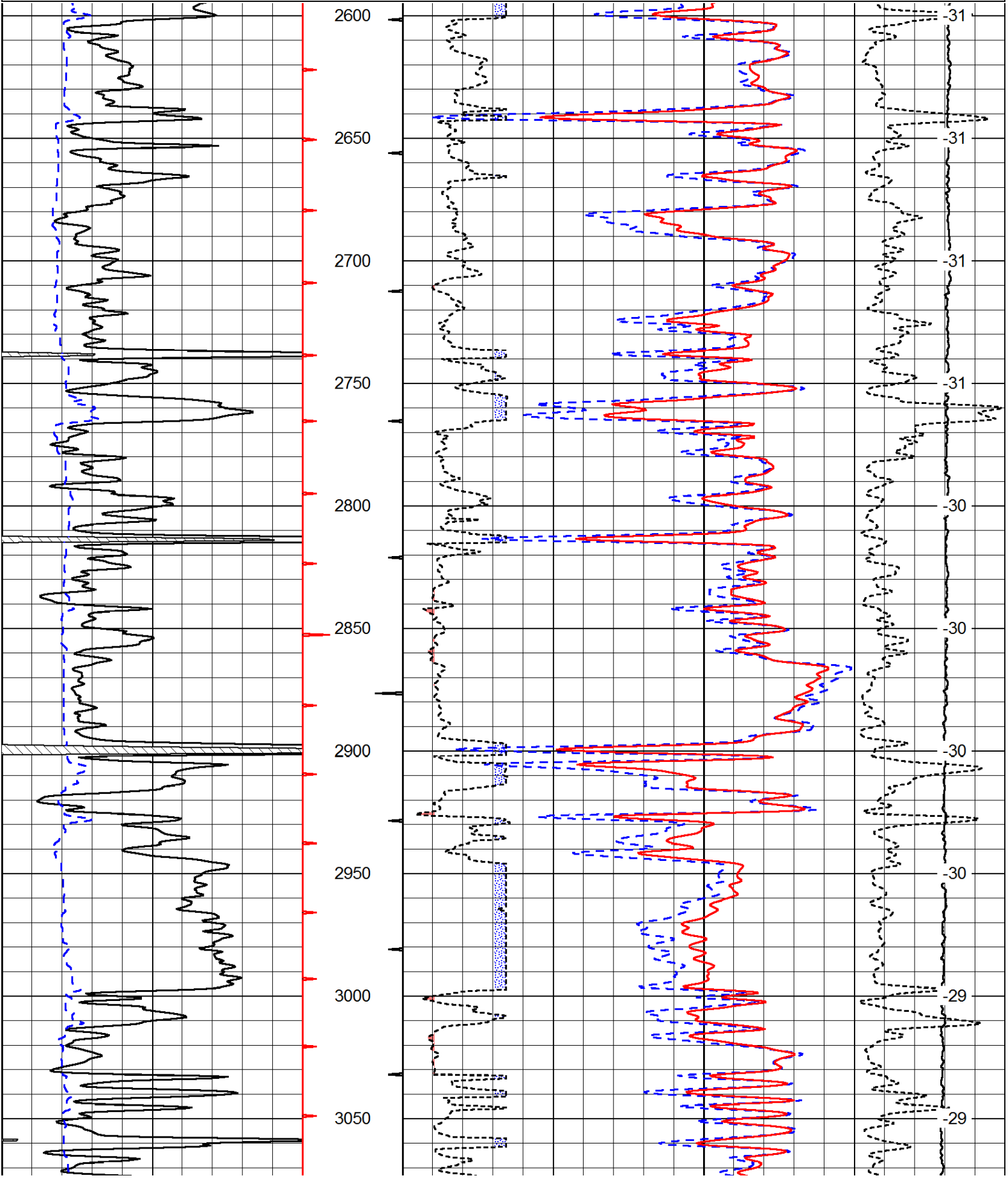
Comments

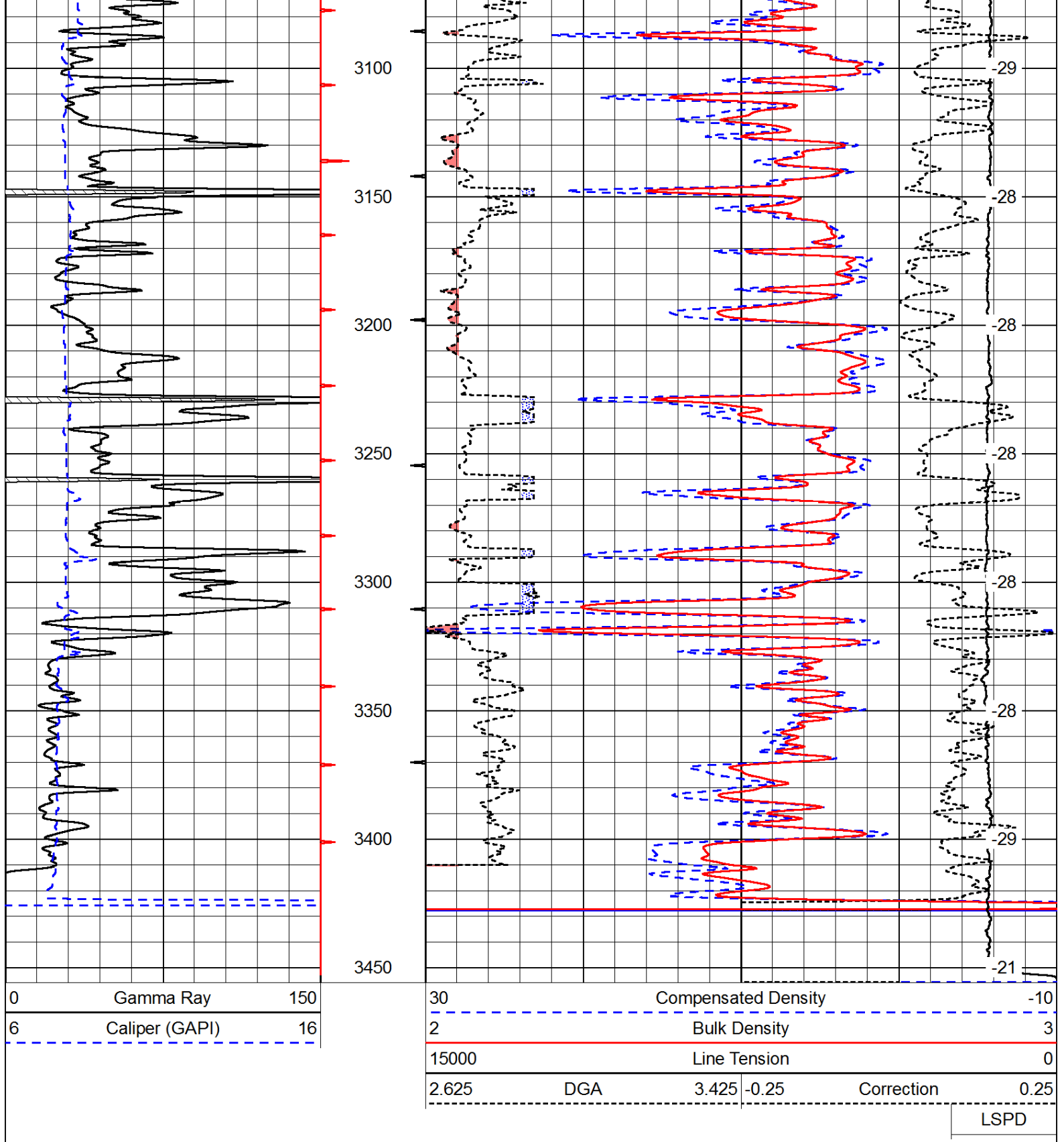
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Wilson,
South to Ave N,
East 1 1/2 Miles,
South Into

Database File: c:\warrior\data\amwar_white #7-8\american_white_7-8hd.db
Dataset Pathname: dil\awstkml
Presentation Format: cdl
Dataset Creation: Tue Jun 24 01:07:34 2014
Charted by: Depth in Feet scaled 1:600

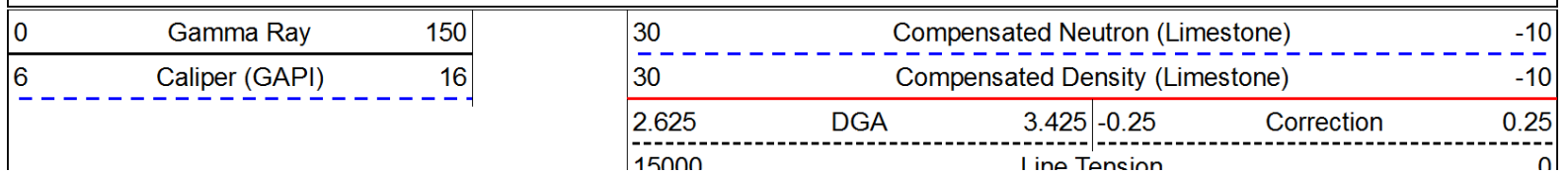
0	Gamma Ray	150
6	Caliper (GAPI)	16

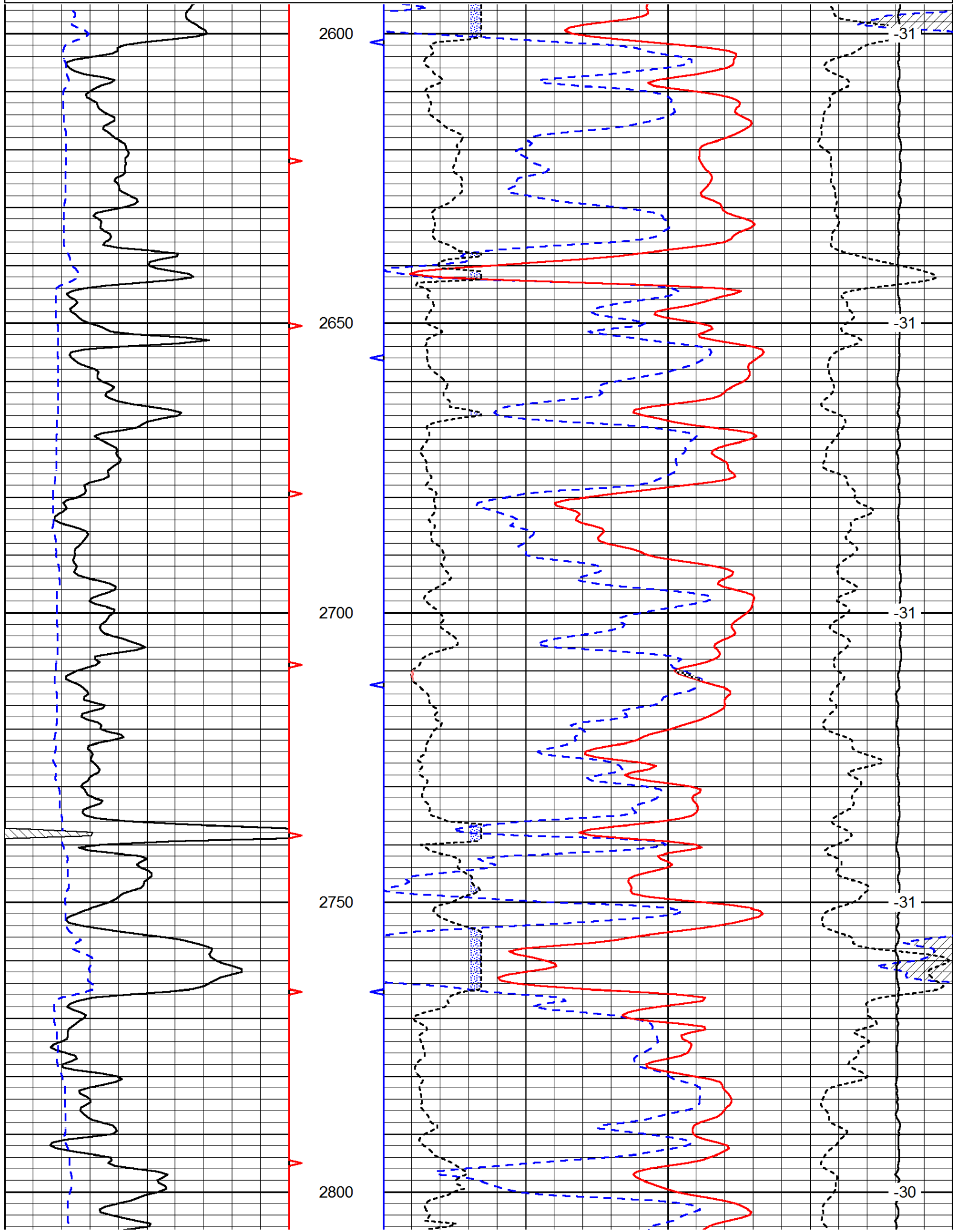
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
		Correction	0.25
LSPD			

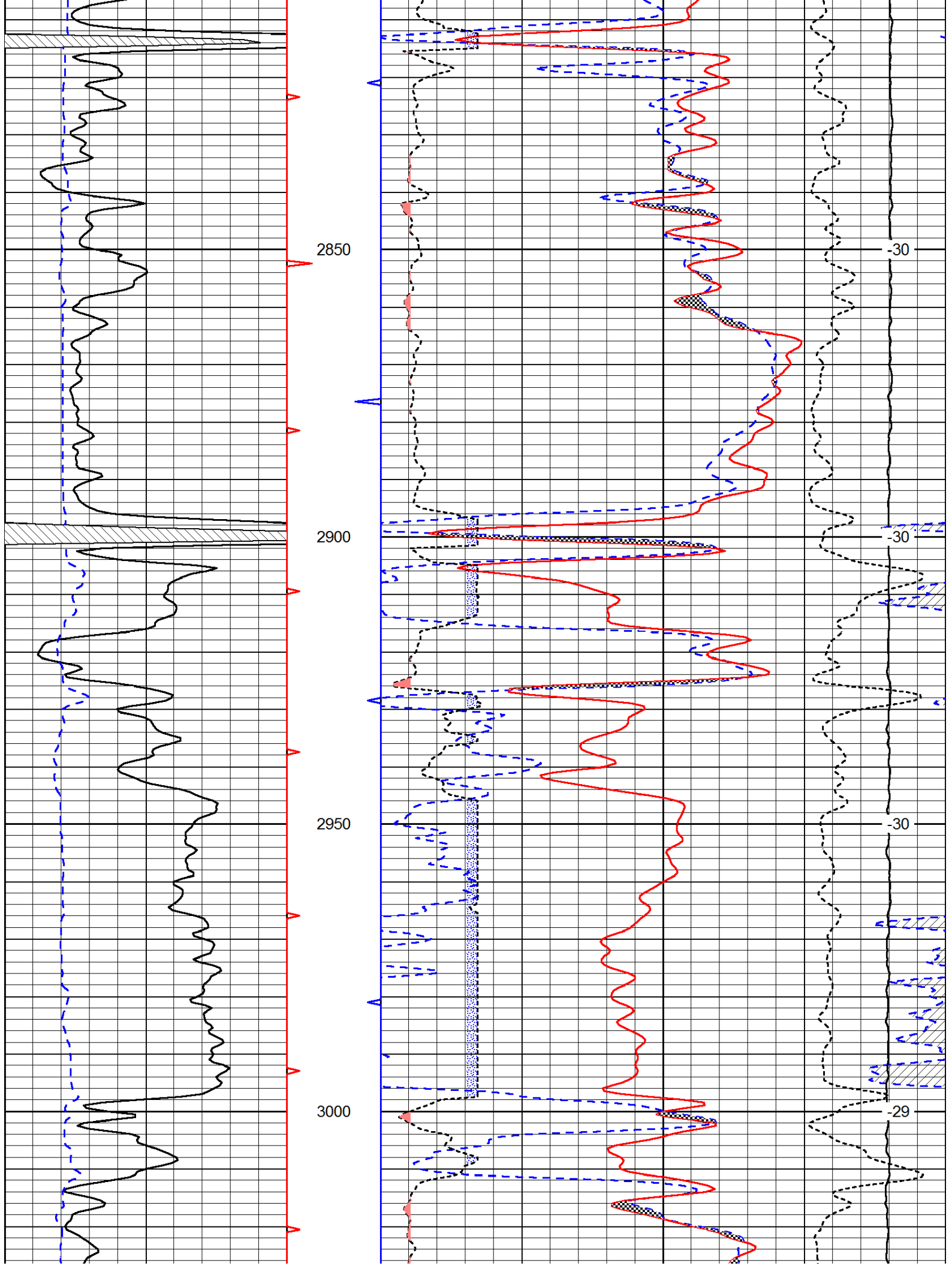


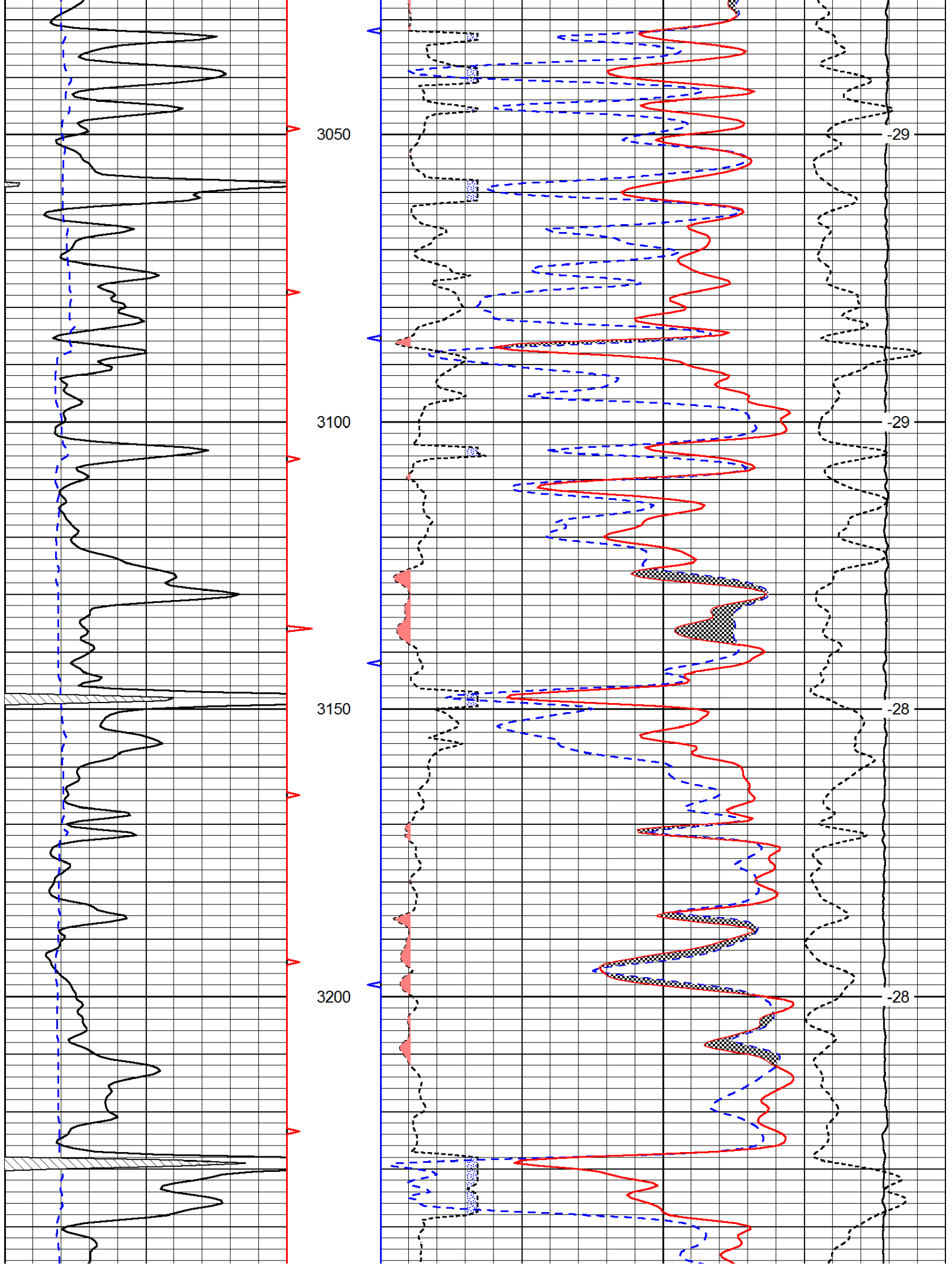


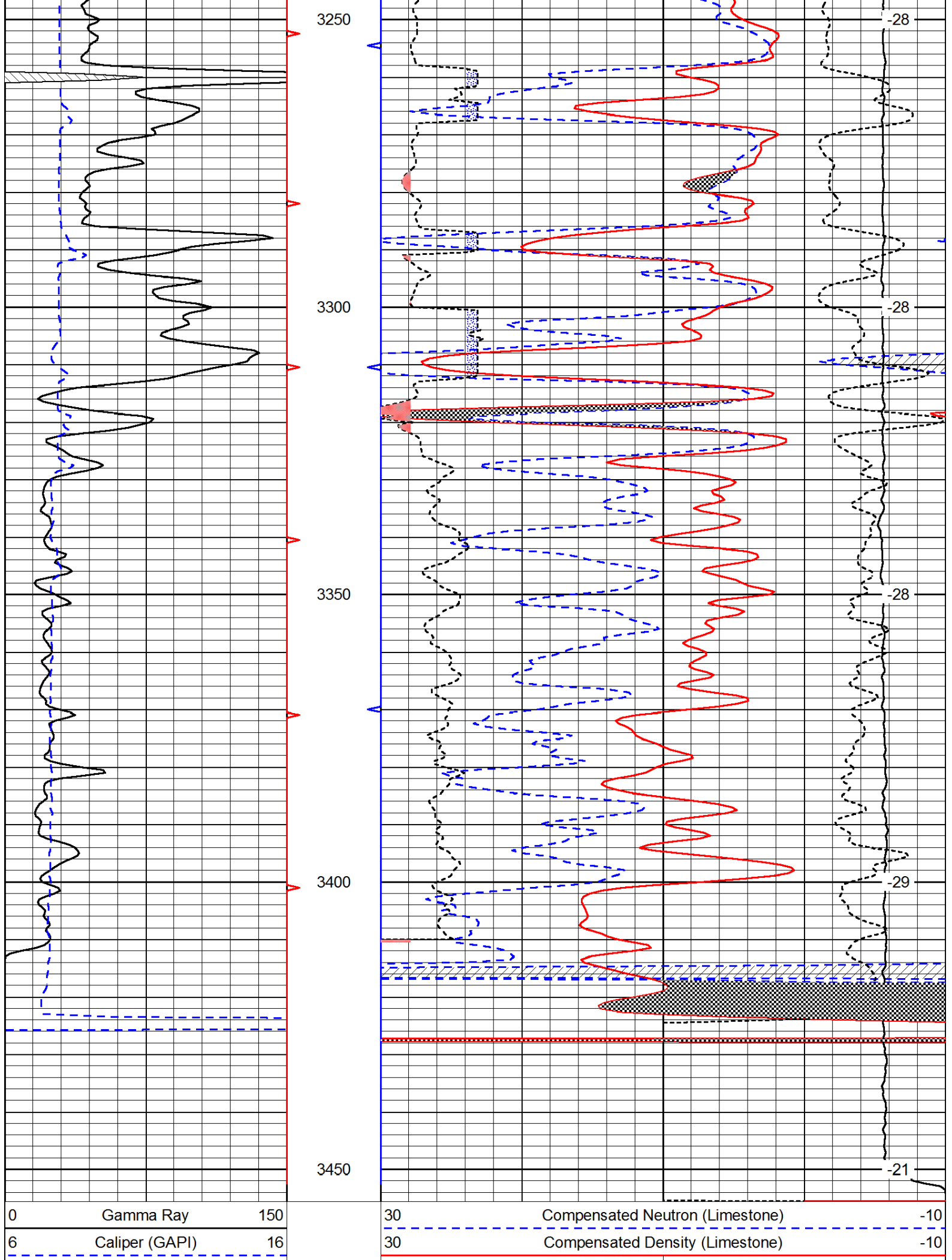
Database File: c:\warrior\data\amwar_white #7-8\american_white_7-8hd.db
Dataset Pathname: dil\awstkml
Presentation Format: cndlspec
Dataset Creation: Tue Jun 24 01:07:34 2014
Charted by: Depth in Feet scaled 1:240











2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0
					LSPD