



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-135-25557-00-00

Company **American Warrior, Inc.**
Well **Rothe #2-25**
Field **Unknown**
County **Ness** State **Kansas**

Location
2197' FNL & 2282' FEL
Sec: 25 Twp: 19 S Rge: 25 W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 2358
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2369
D.F.
G.L. 2358

Date 4/2/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4550

Depth Logger 4552

Bottom Logged Interval 4531

Top Logged Interval 3700

Type Fluid In Hole Chemical

Salinity, PPM CL 3800

Density 9.3

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 4 Hours

Equipment -- Location 91 Days

Recorded By Y. Ruiz

Witnessed By Kevin Timson

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 224 8.625 24# 00 224

2 7.875 224 4550

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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
785 625 3858
Ness City,
7 South to 60 Rd, 5 West to L Rd, 2 North, 1/4 West,
North into

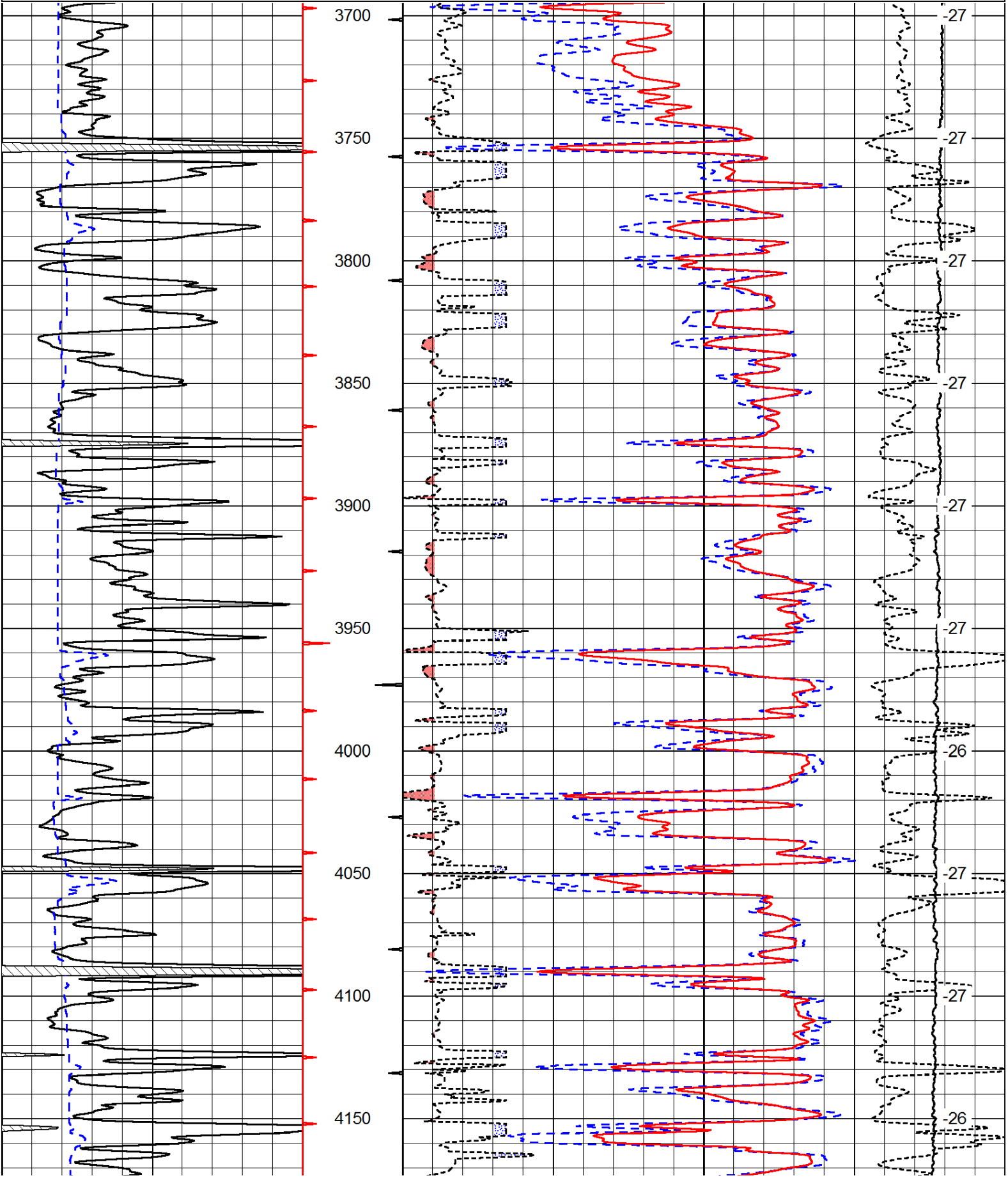
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Dataset Pathname: dil/awstk
Presentation Format: cdl
Dataset Creation: Tue Apr 02 08:38:47 2013
Charted by: Depth in Feet scaled 1:600

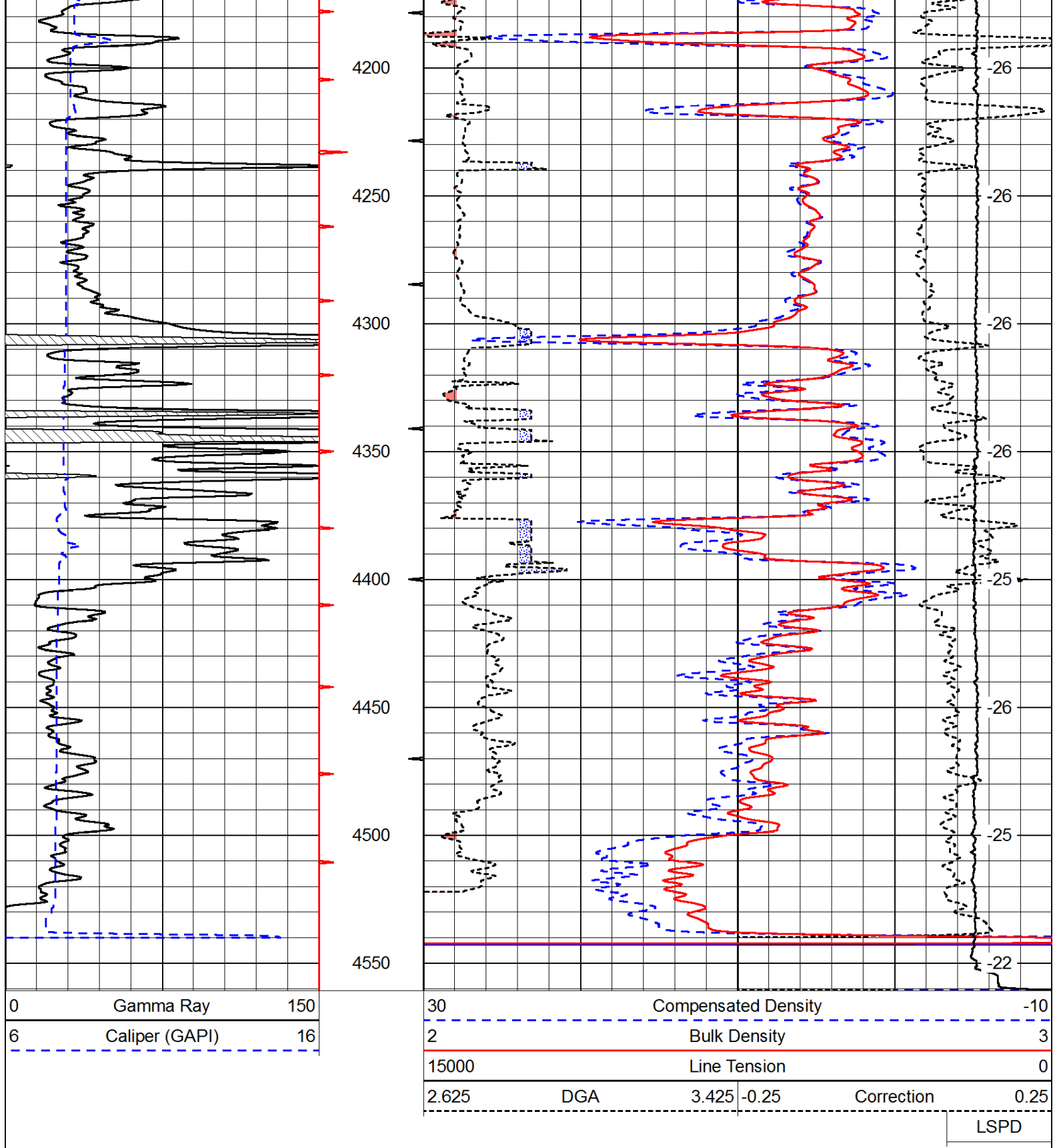
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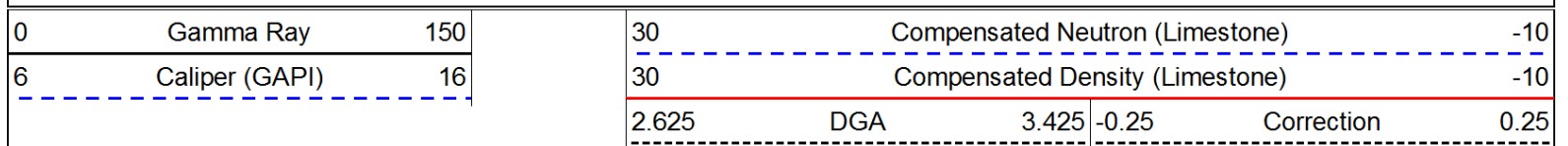
0	Gamma Ray	150
6	Caliper (GAPI)	16

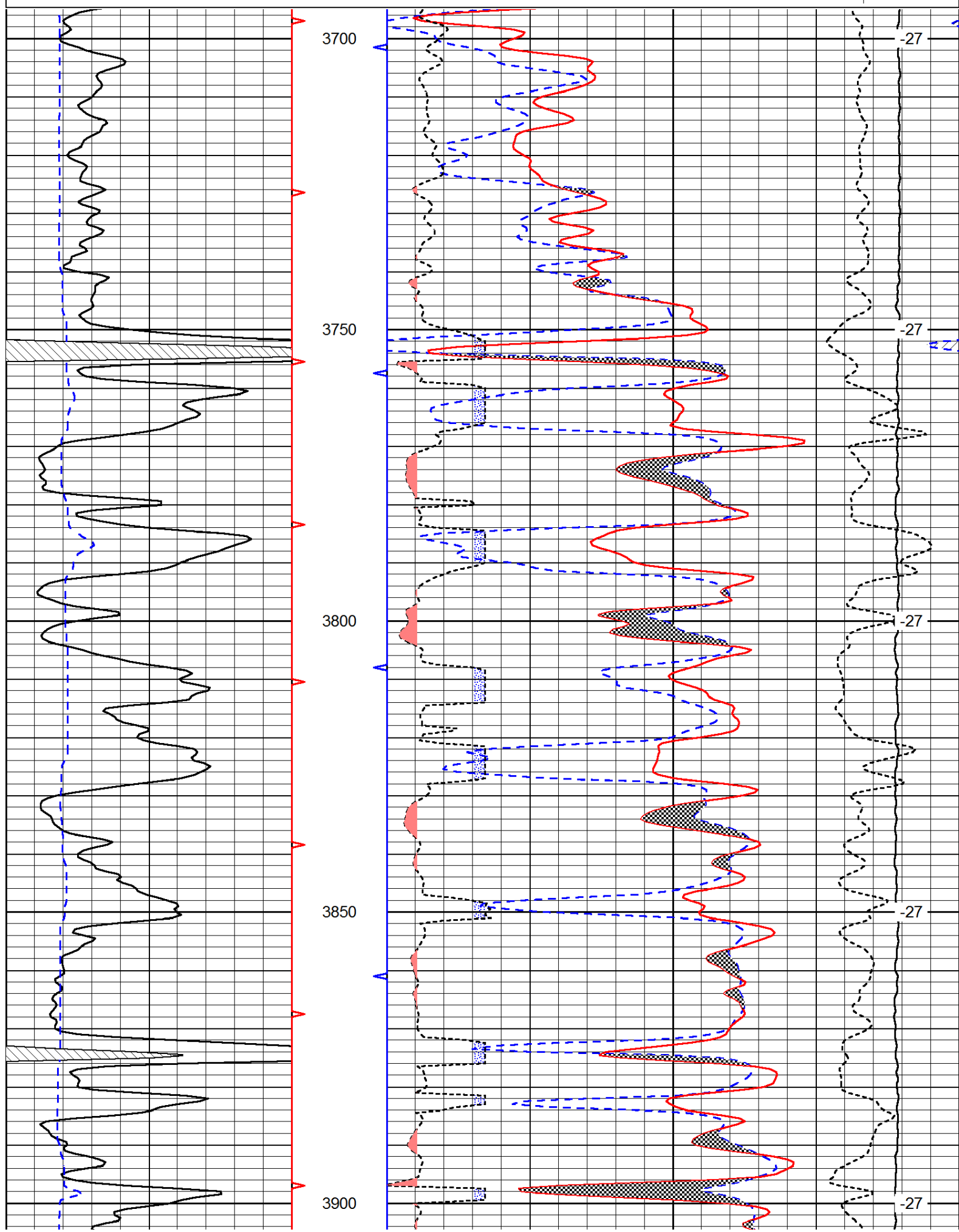
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

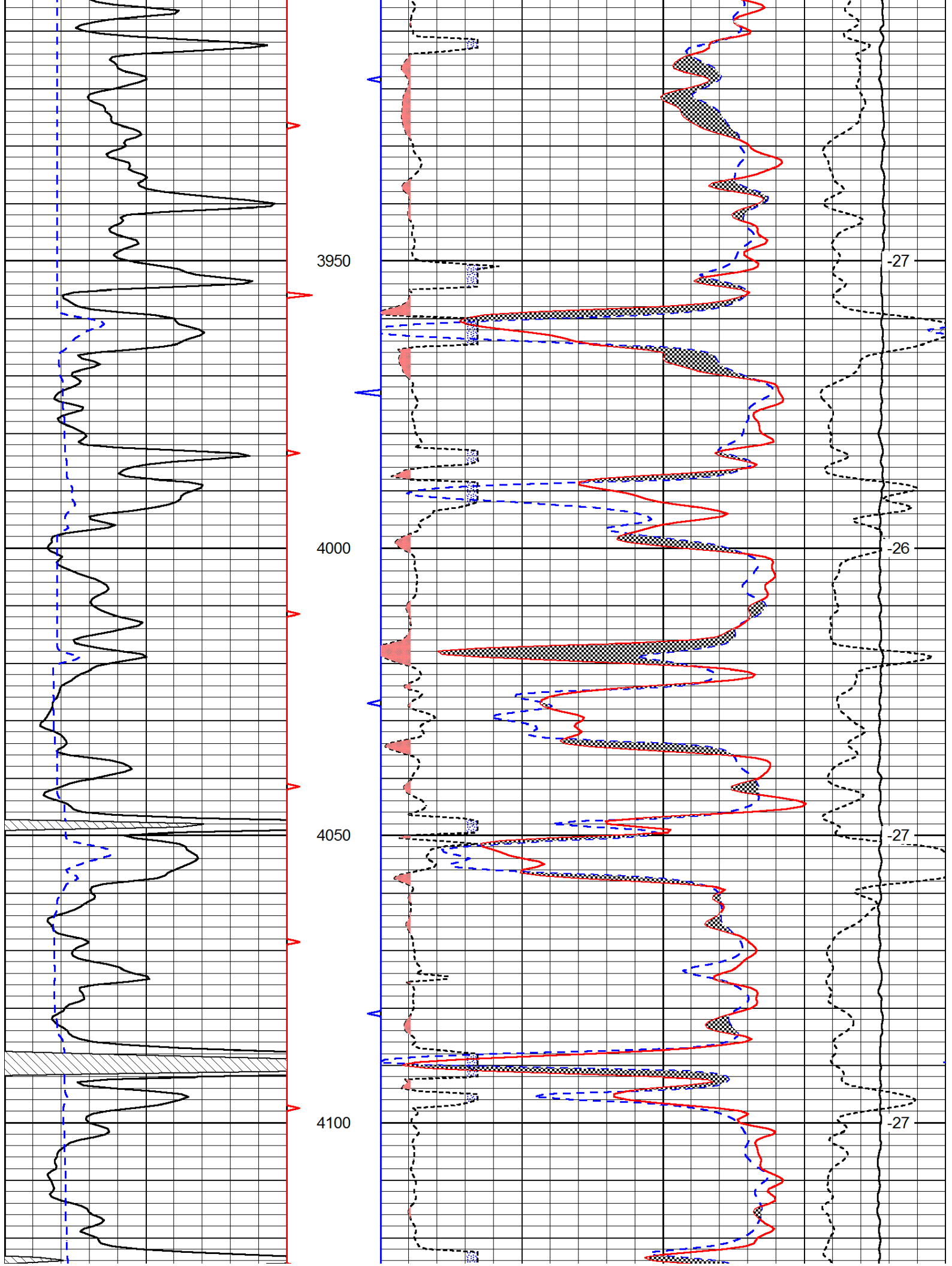


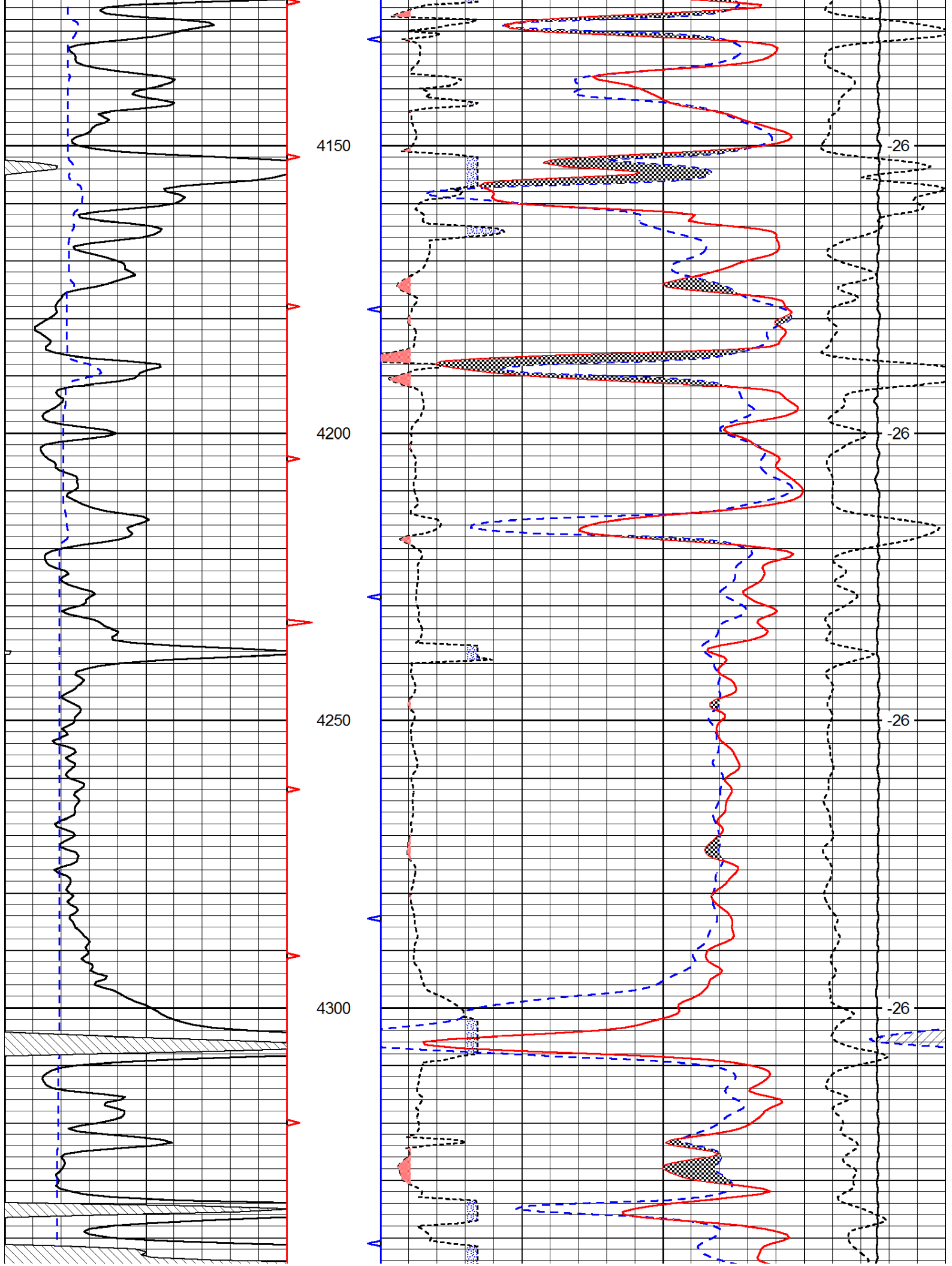


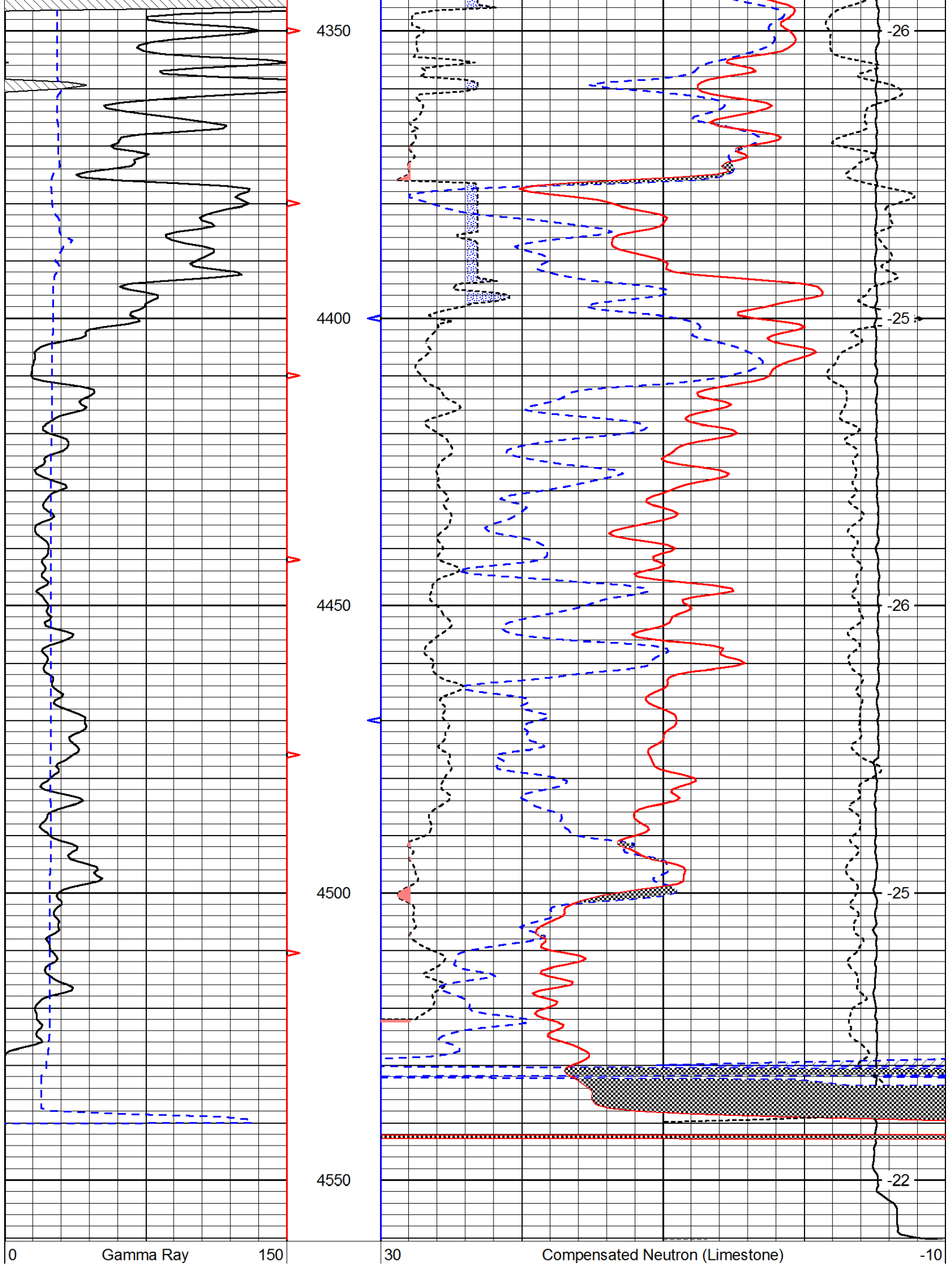
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Dataset Pathname: dil/awstk
Presentation Format: cndlspec
Dataset Creation: Tue Apr 02 08:38:47 2013
Charted by: Depth in Feet scaled 1:240











6	Caliper (GAPI)	16

30						Compensated Density (Limestone)		-10			
2.625		DGA		3.425		-0.25		Correction		0.25	
15000						Line Tension				0	
										LSPD	