



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-171-20990-00-00

Company Landmark Resources, Inc.

Well Decker #3-9

Field Wildcat

County Scott

State Kansas

Location 1808' FSL & 1792' FEL

Other Services
DIL
MEI/BHCS

Sec: 9 Twp: 17S Rge: 34W

Permanent Datum Ground Level Elevation 3129
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 3134
D.F.
G.L. 3129

Date 10/24/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4925

Depth Logger 4925

Bottom Logged Interval 4904

Top Logged Interval 3500

Type Fluid In Hole Chemical

Salinity, PPM CL 10000

Density 9.4

Level Full

Max. Rec. Temp. F 127

Operating Rig Time 5 Hours

Equipment -- Location 91 Hays

Recorded By D. Schmidt

Witnessed By Terry McLeod

Borehole Record

Run No. Bit From To Size Wgt. From To

One 12.25 00 260 8.625 23# 00 260

Two 7.875 260 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

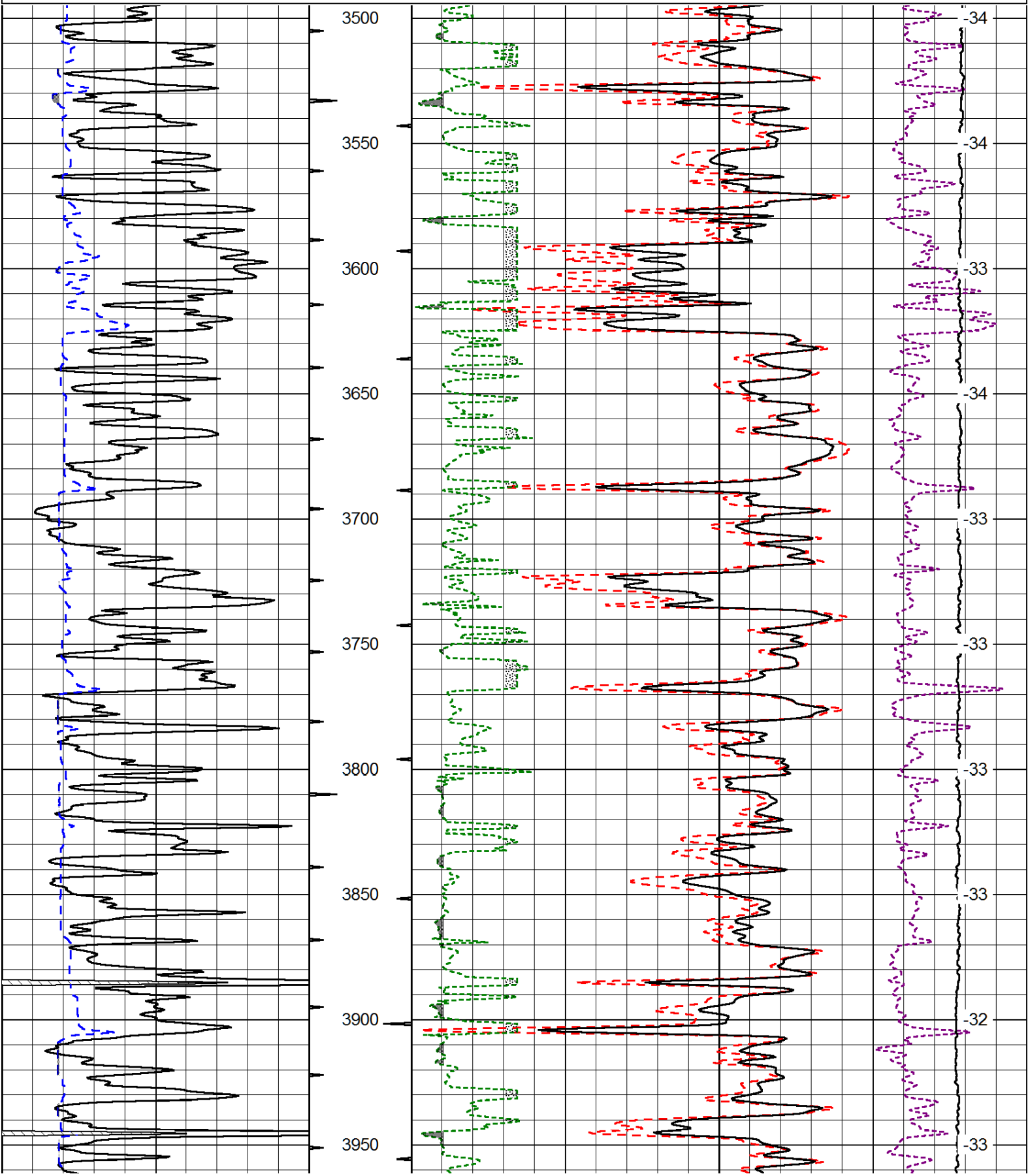
Thank you for using Log-Tech, Inc.
(785) 625-3858

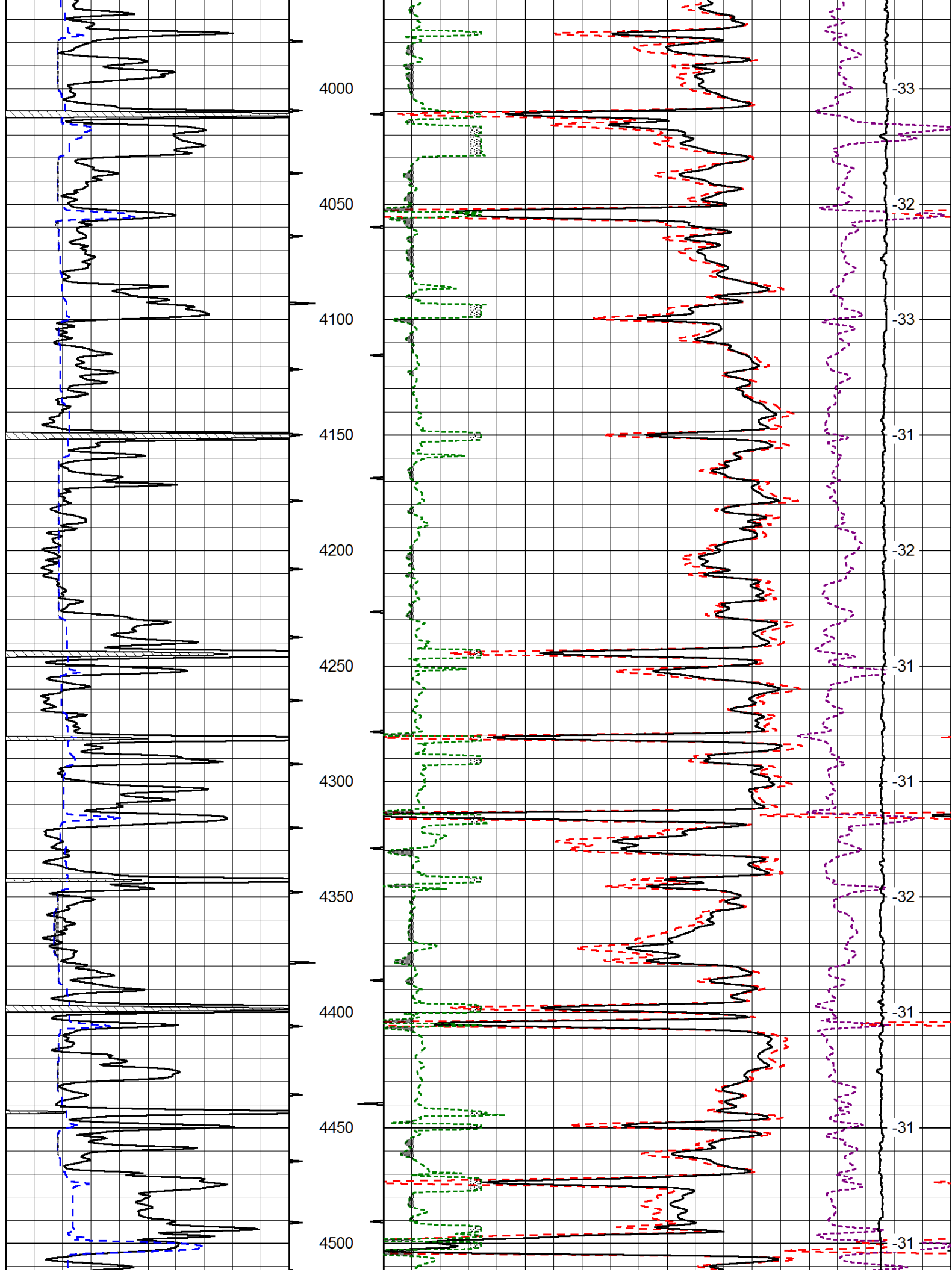
Scott City,
8 West to Dakota Rd, 1 North, 1 West, 5 3/4 North,
West into

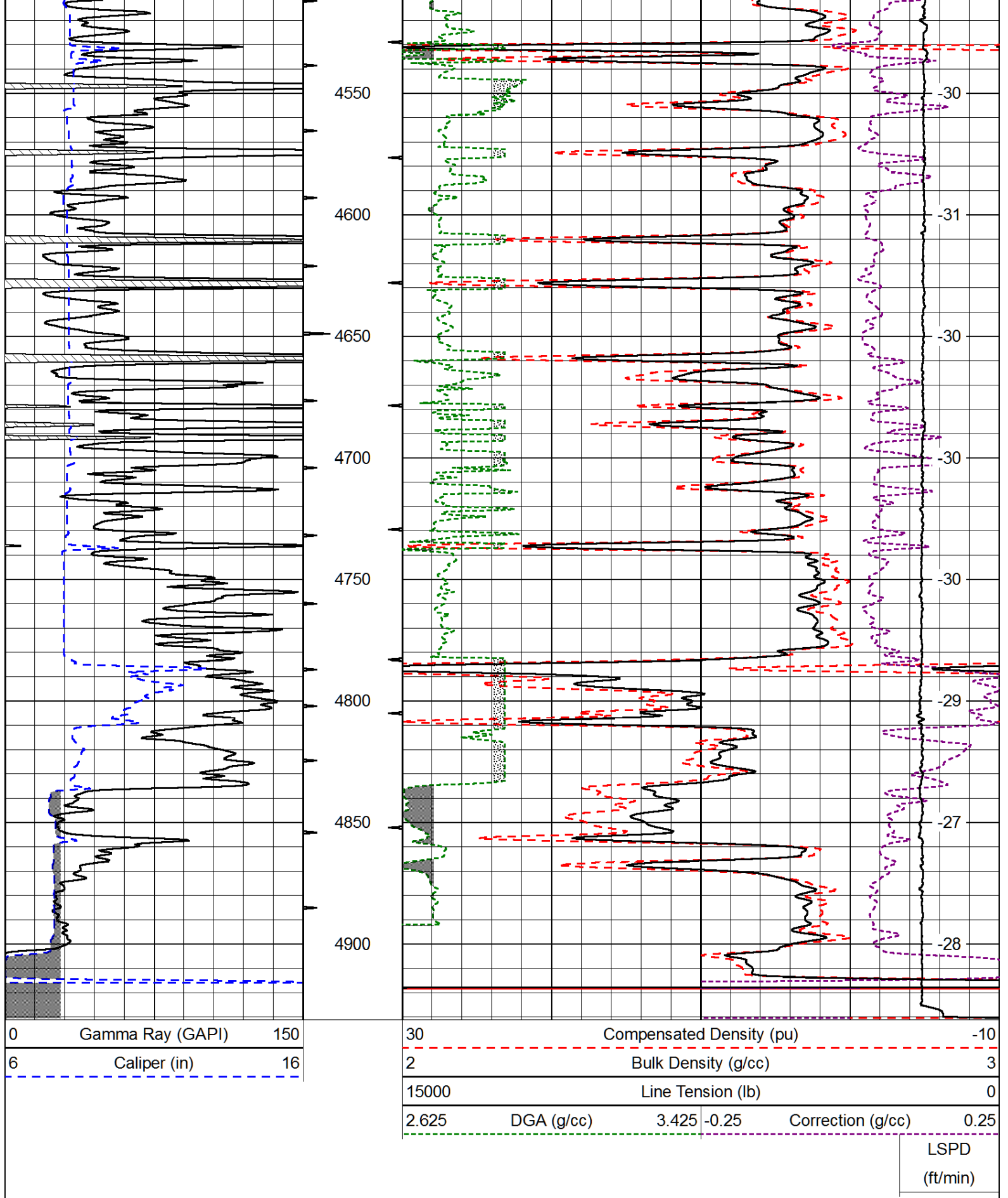
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)				-10
2	Bulk Density (g/cc)				3
15000	Line Tension (lb)				0
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25

LSPD
(ft/min)



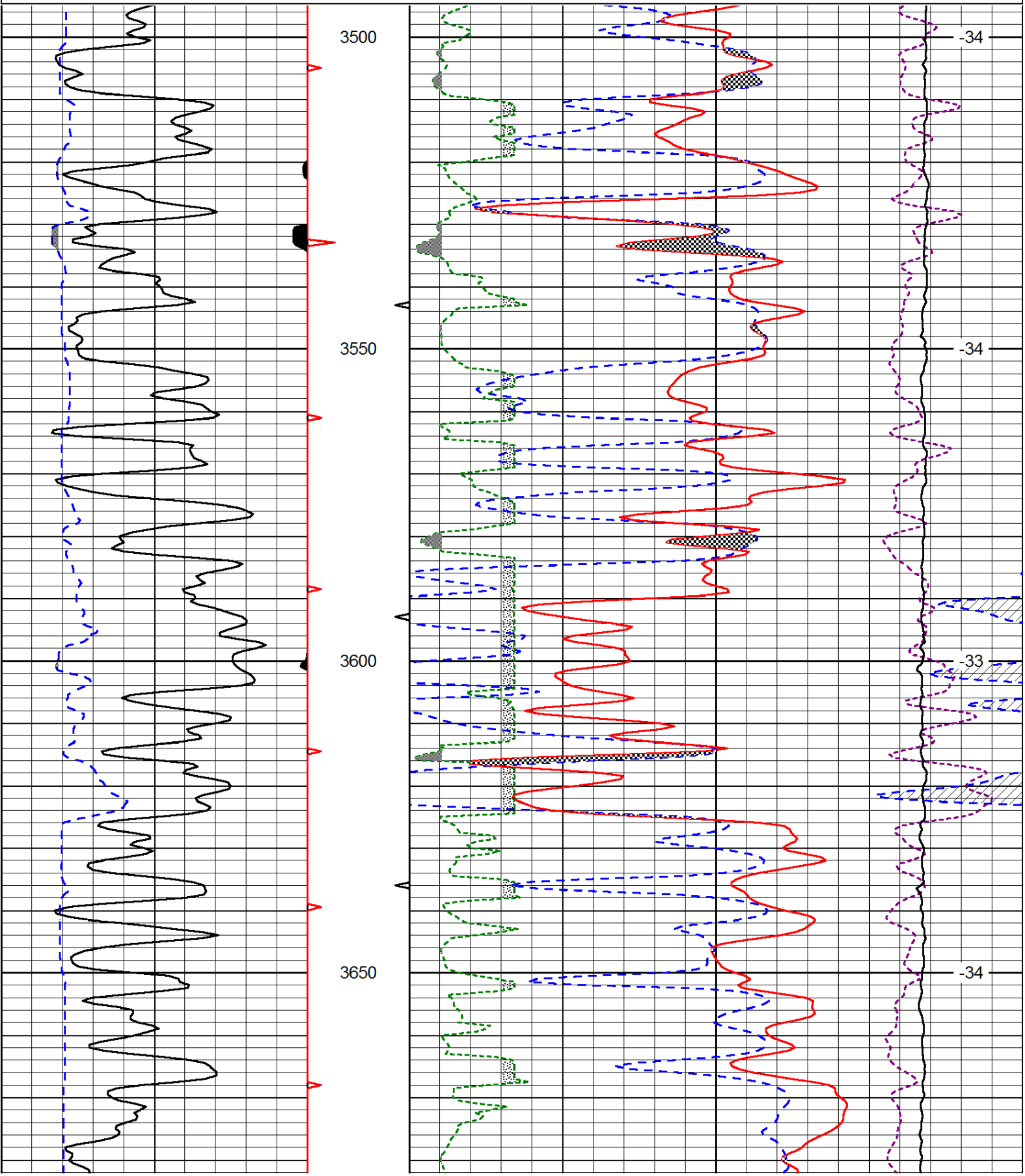


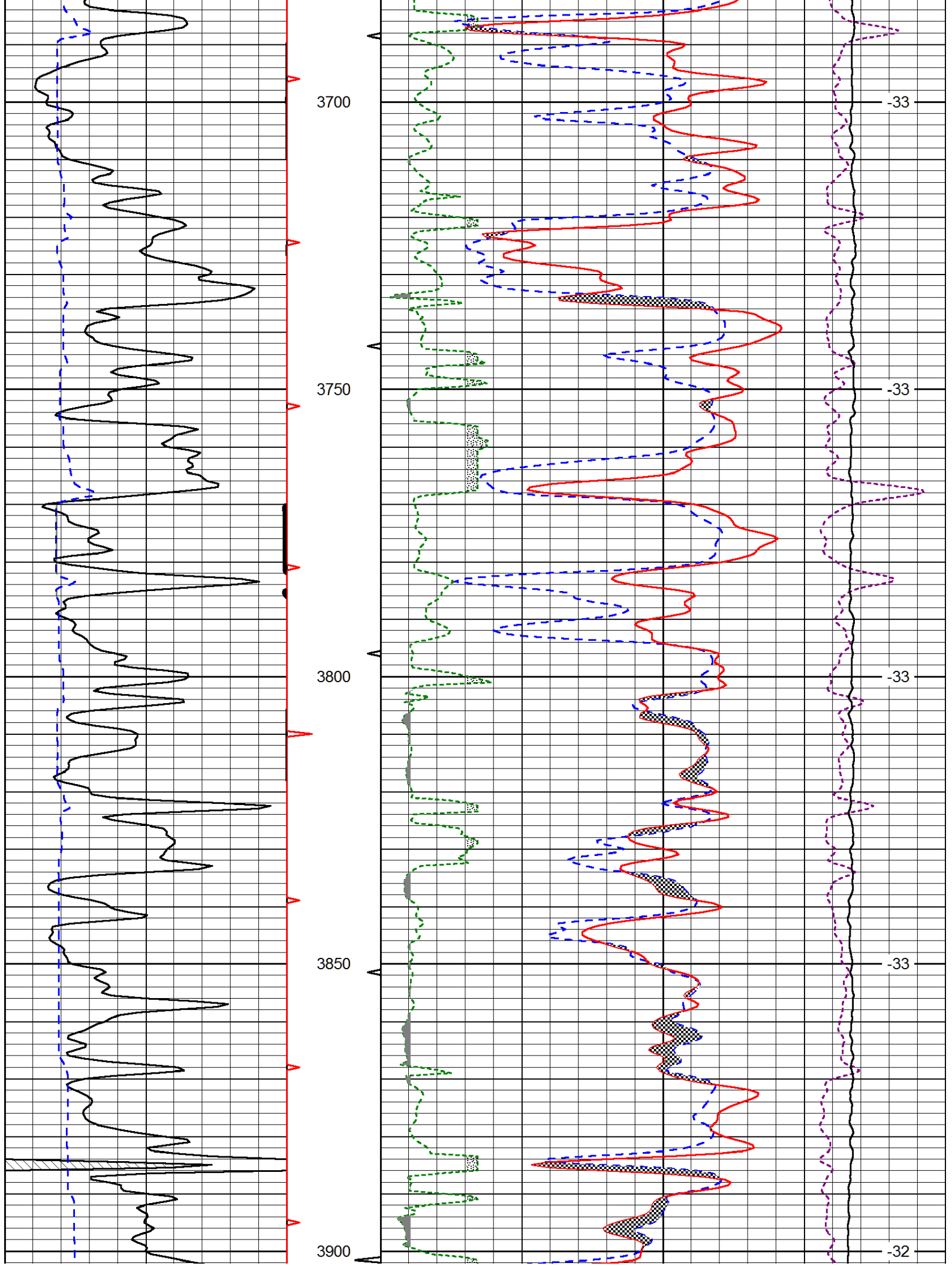


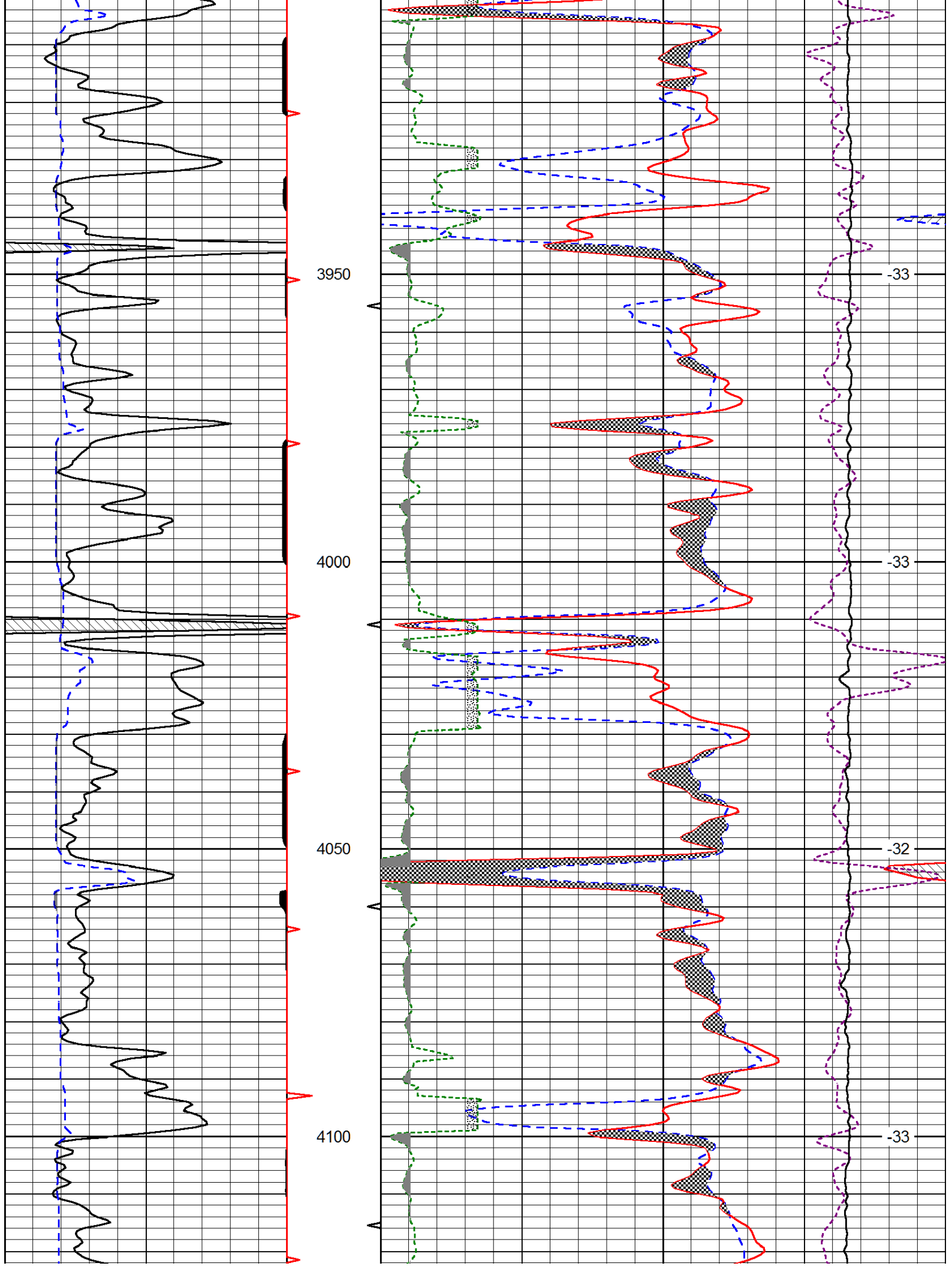
Database File: landmark_102413hd.db
Dataset Pathname: dil/lmstck
Presentation Format: cndlspec
Dataset Creation: Thu Oct 24 08:45:41 2013
Charted by: Depth in Feet scaled 1:240

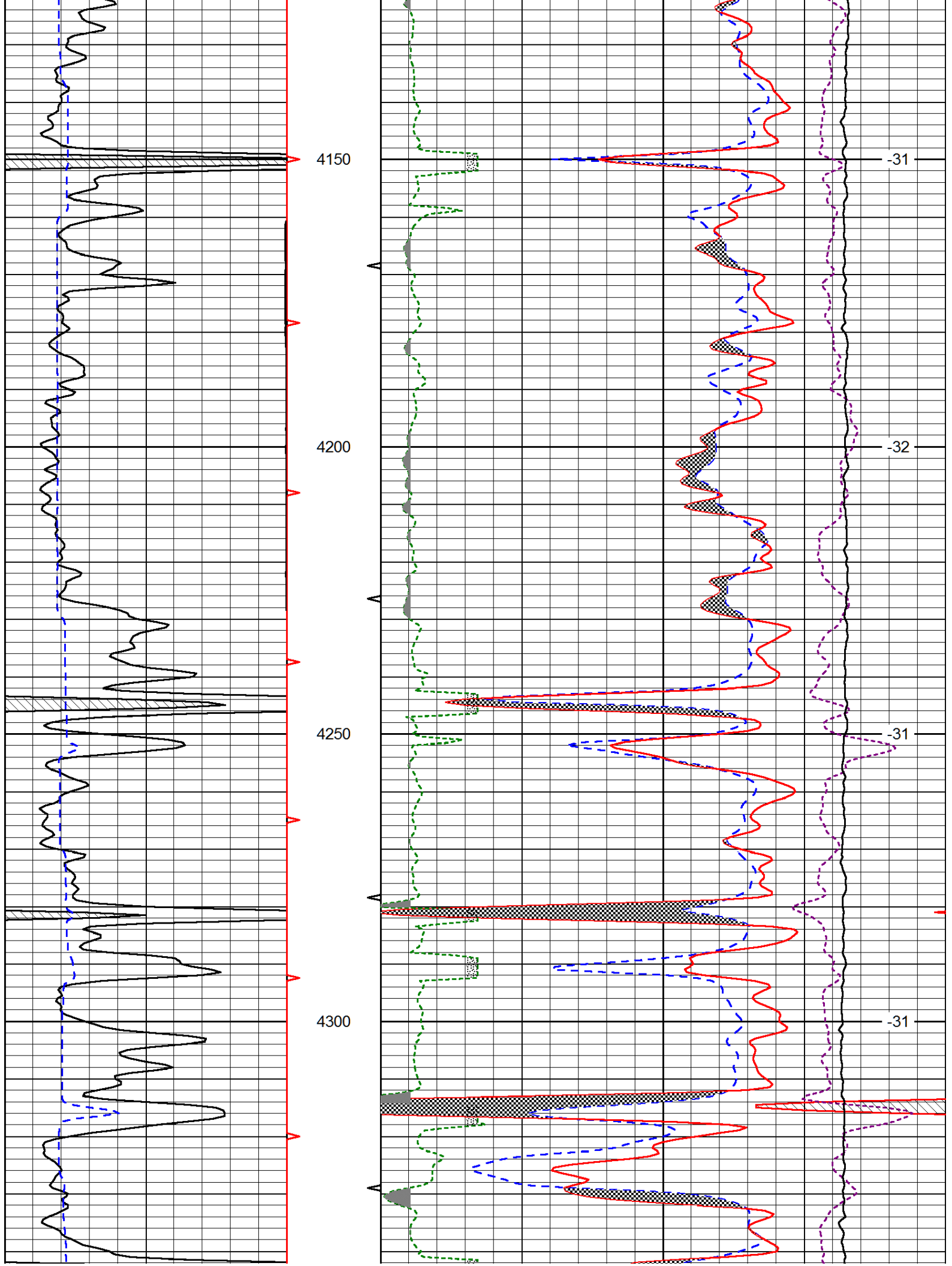
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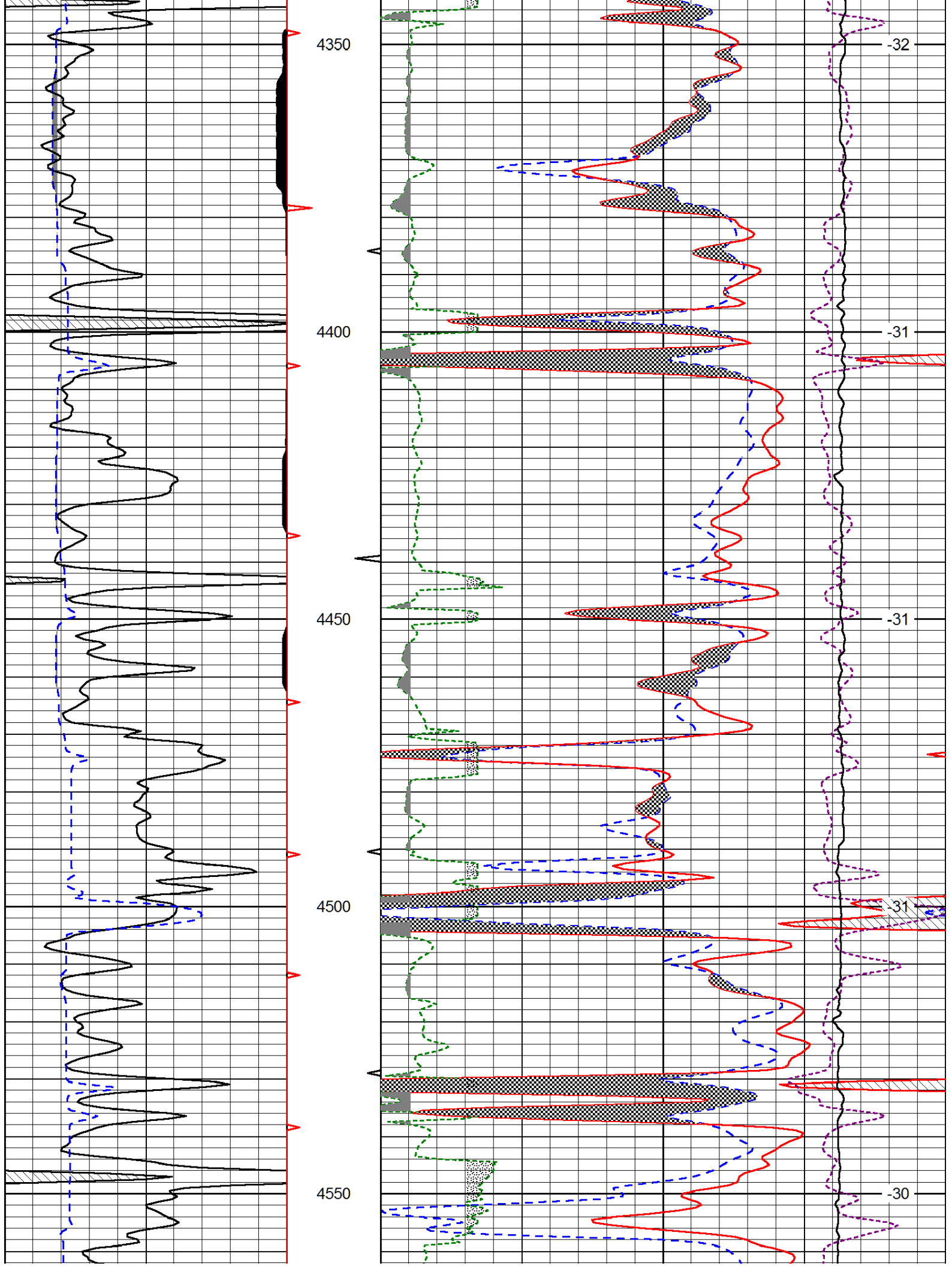
30	CNLS (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)				0
					LSPD
					(ft/min)

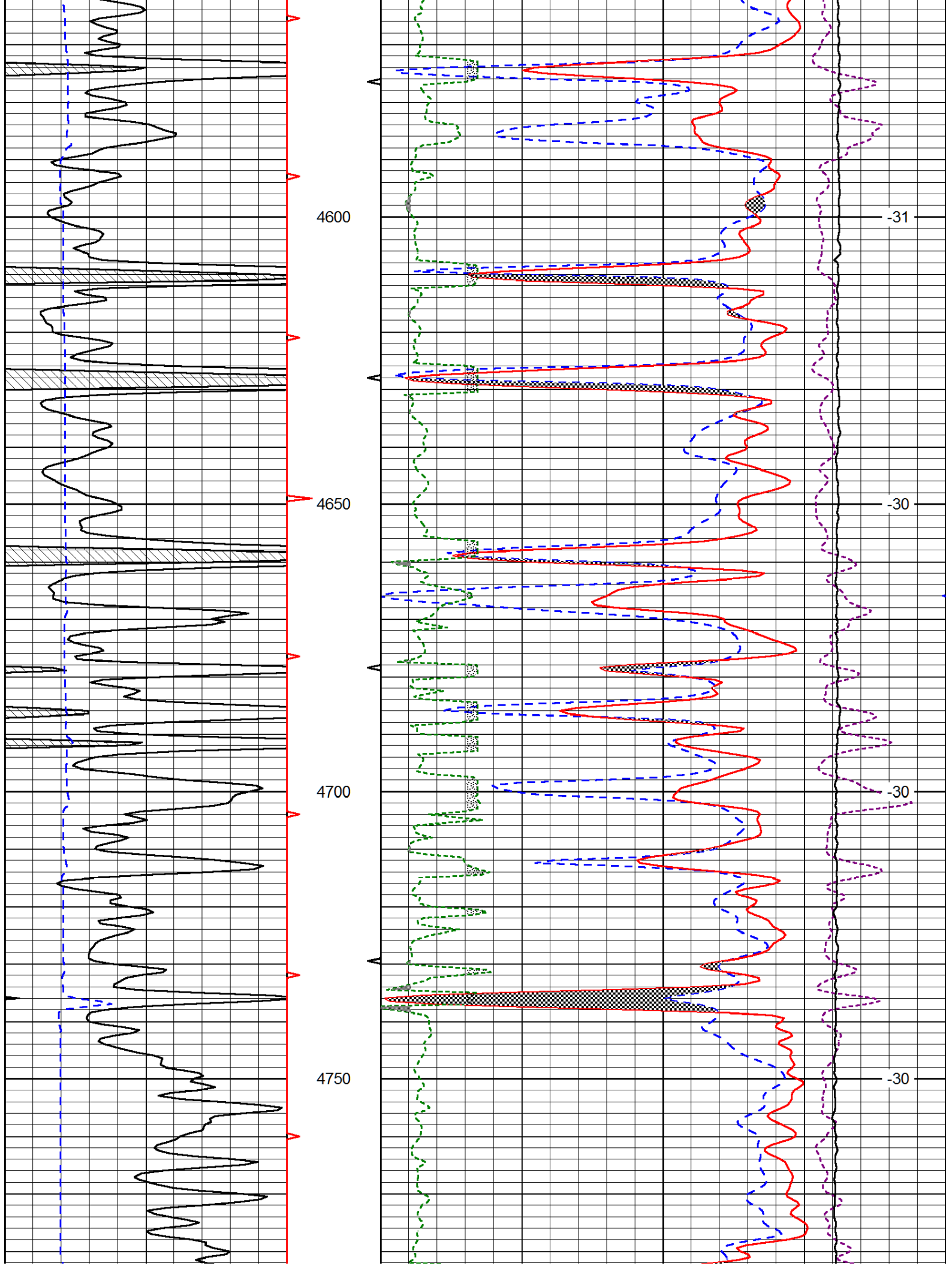


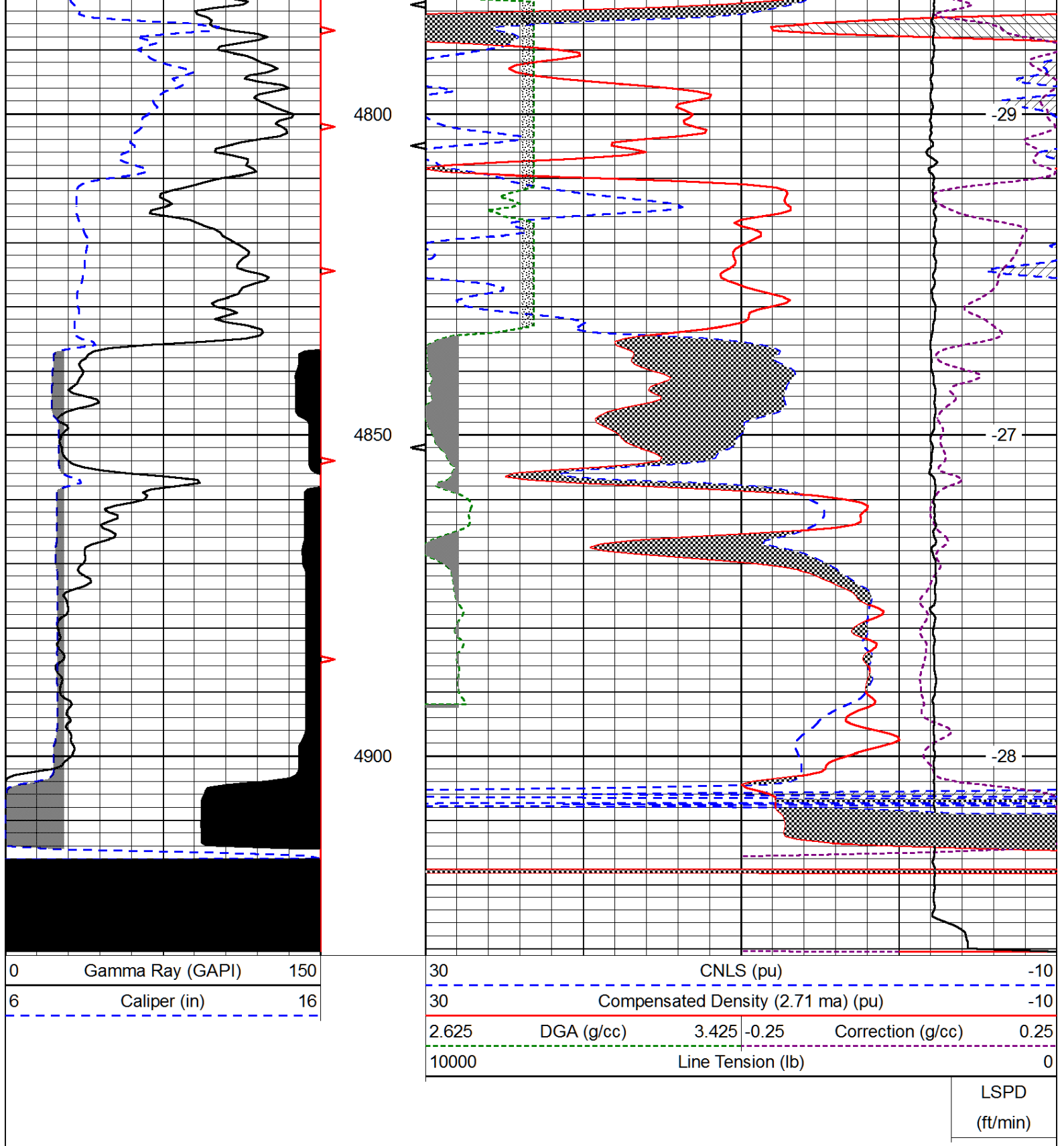












0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

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30	Compensated Density (2.71 ma) (pu)		-10
2.625	DGA (g/cc)	3.425 -0.25	Correction (g/cc) 0.25
10000	Line Tension (lb)		0

LSPD (ft/min)
