



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-165-22,104-00-00

Company Southwind Petroleum Corporation

Well Dirks #27-2

Field Ryan

County Rush

State Kansas

Location 1650' FNL & 430 FEL

Other Services
DIL/MEL

Sec: 27 Twp: 19S Rge: 16W

Permanent Datum Ground Level Elevation 2033

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing Elevation
K.B. 2038
D.F. 2033
G.L. 2033

Date 1/15/2015

Run Number One

Type Log CNL / CDL

Depth Driller 3900

Depth Logger 3894

Bottom Logged Interval 3873

Top Logged Interval 2900

Type Fluid In Hole Chemical

Salinity, PPM CL 6000

Density 9.1

Level Full

Max. Rec. Temp. F 115

Operating Rig Time 4 Hours

Equipment -- Location 15 Hays

Recorded By D.Kerr

Witnessed By Bob Williams

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

One 12.25 00 1089 8.625 23# 00 1089

Two 7.875 1089 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

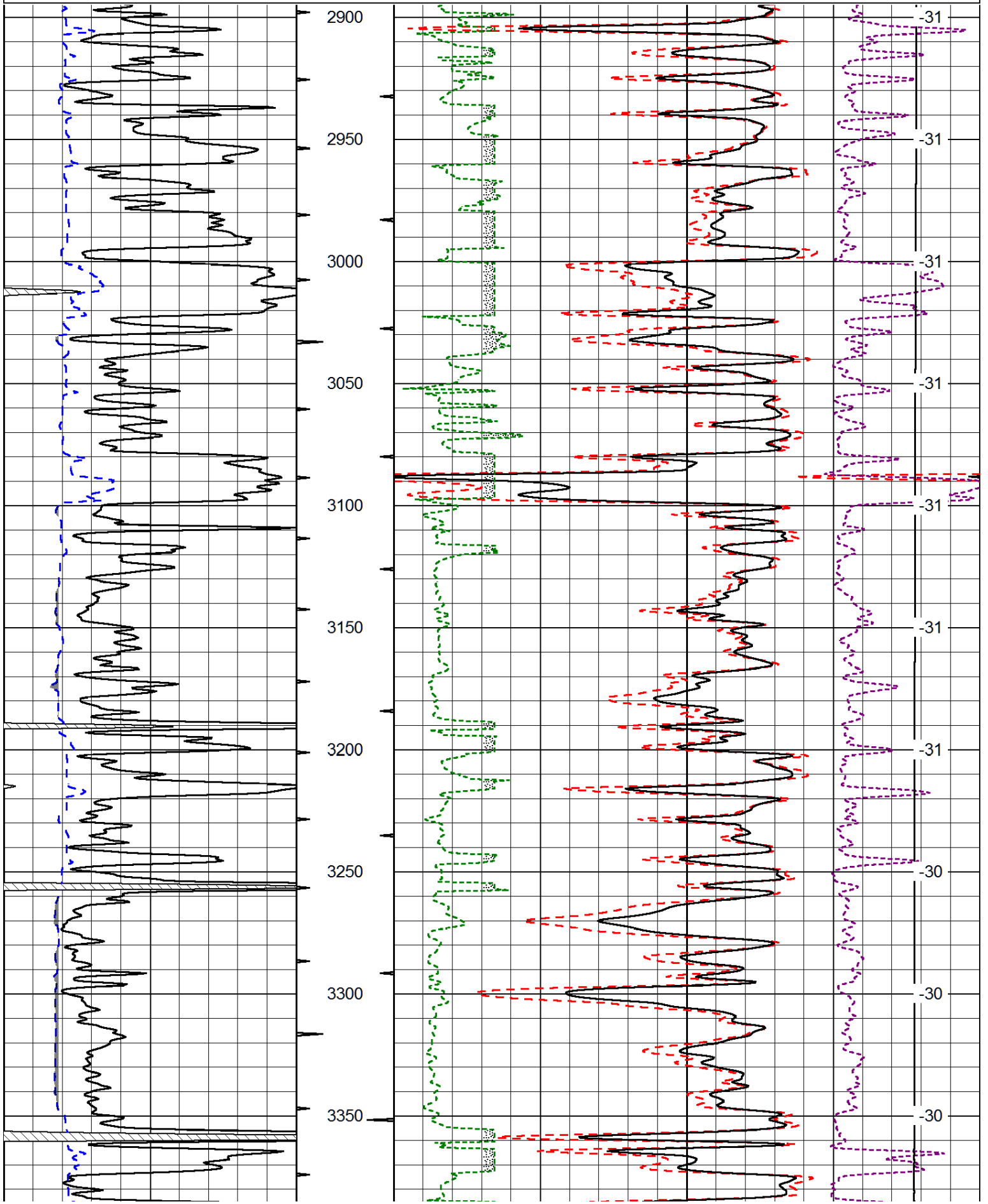
Thank you for using Log-Tech, Inc.
(785) 625-3858

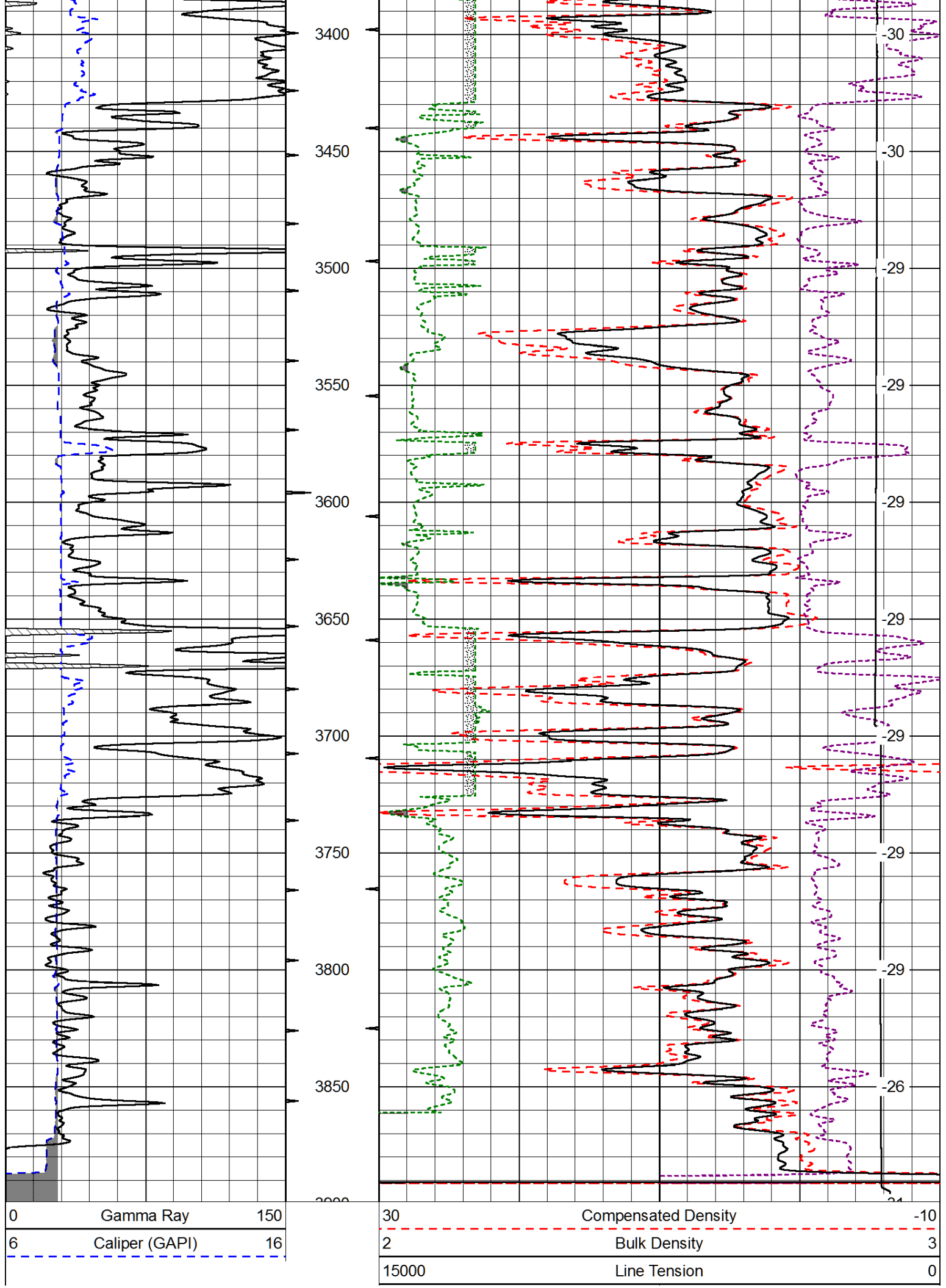
Albert KS, 7 South to W Barton County RD,
3 West, 1/2 North, West into

Database File: southwindpet_dirks_27_2hd.db
Dataset Pathname: DIL/swpstk
Presentation Format: cdl
Dataset Creation: Thu Jan 15 18:00:50 2015
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			

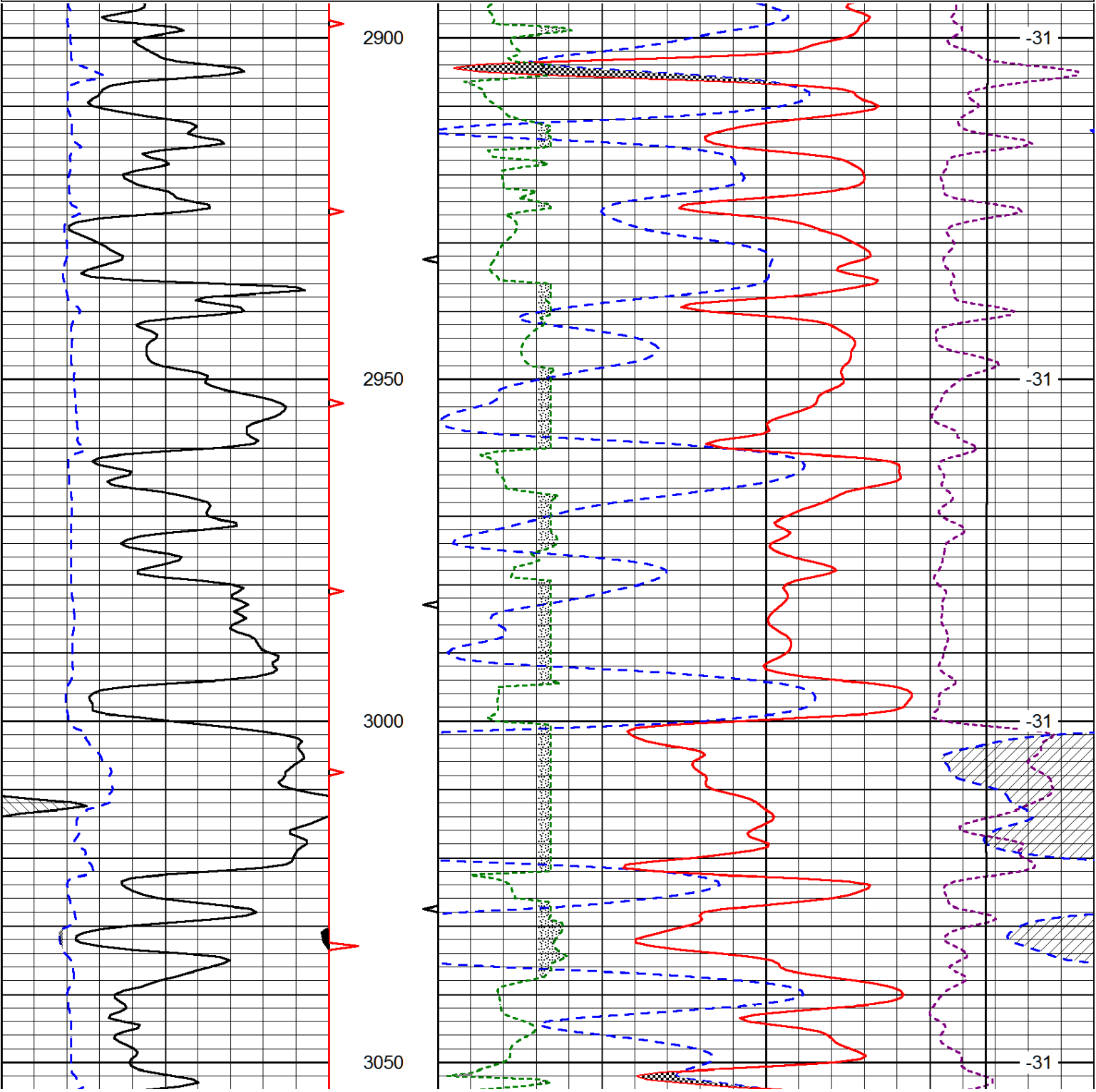


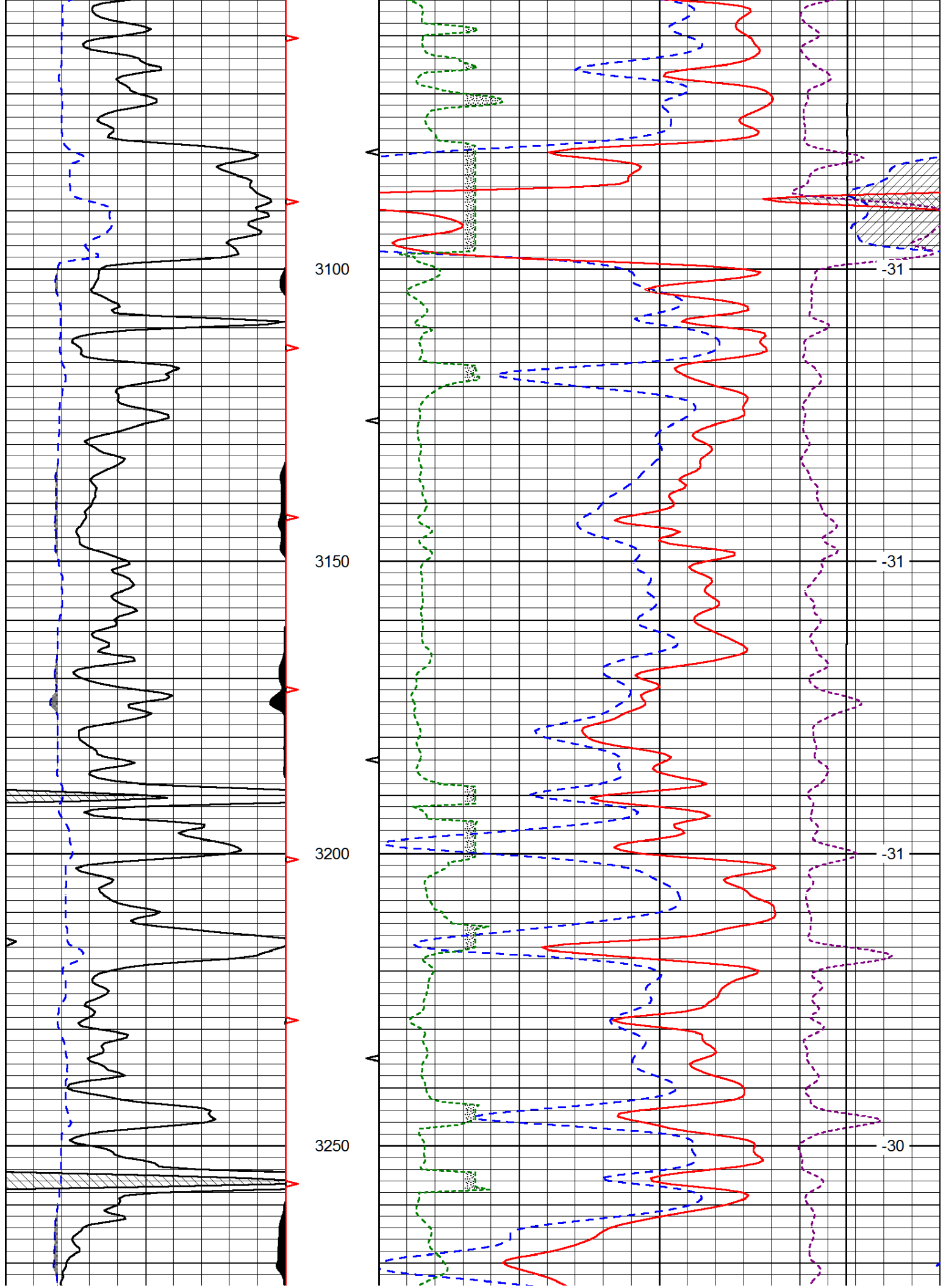


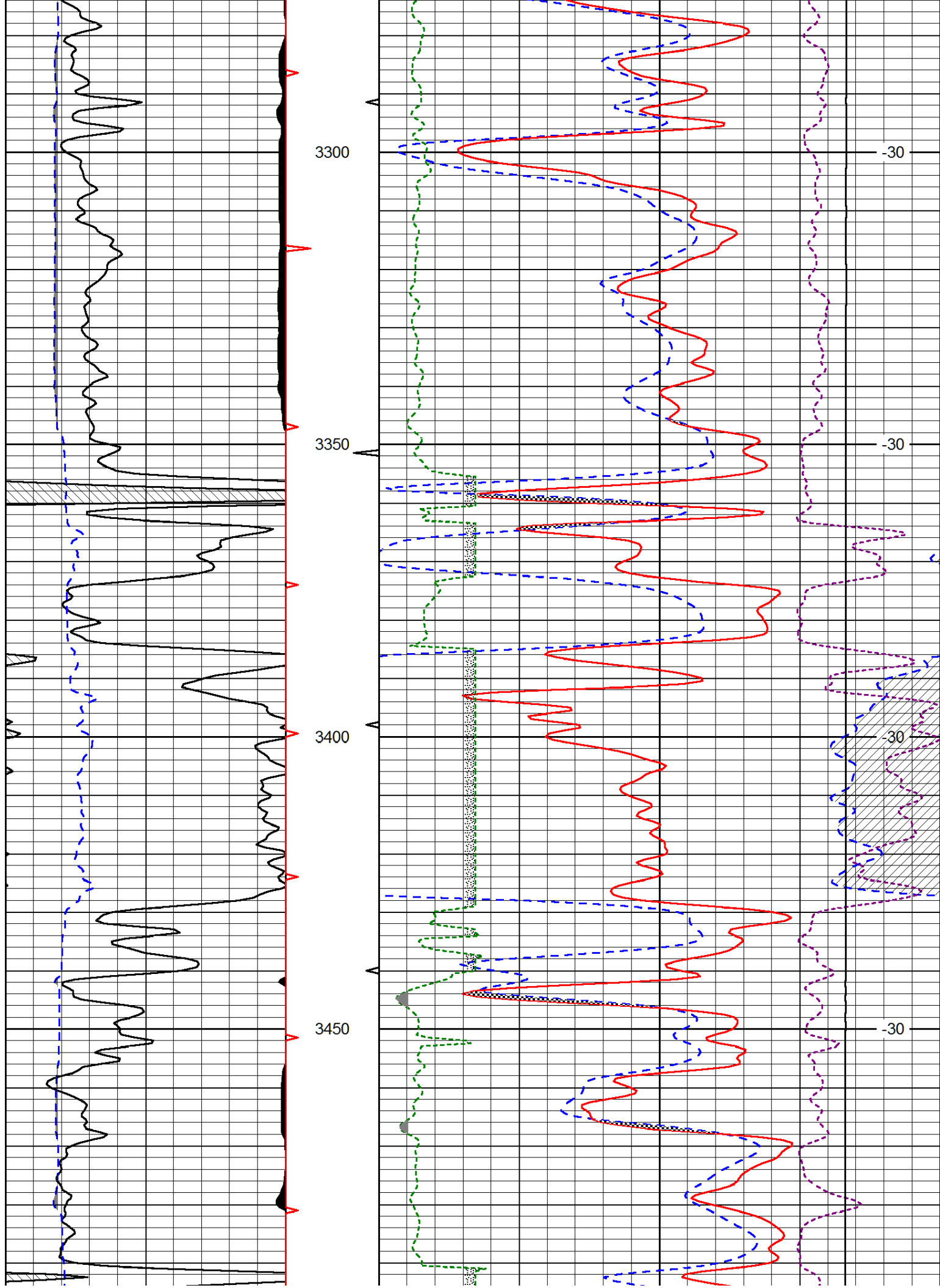
	2.625	DGA	3.425	-0.25	Correction	0.25
						LSPD

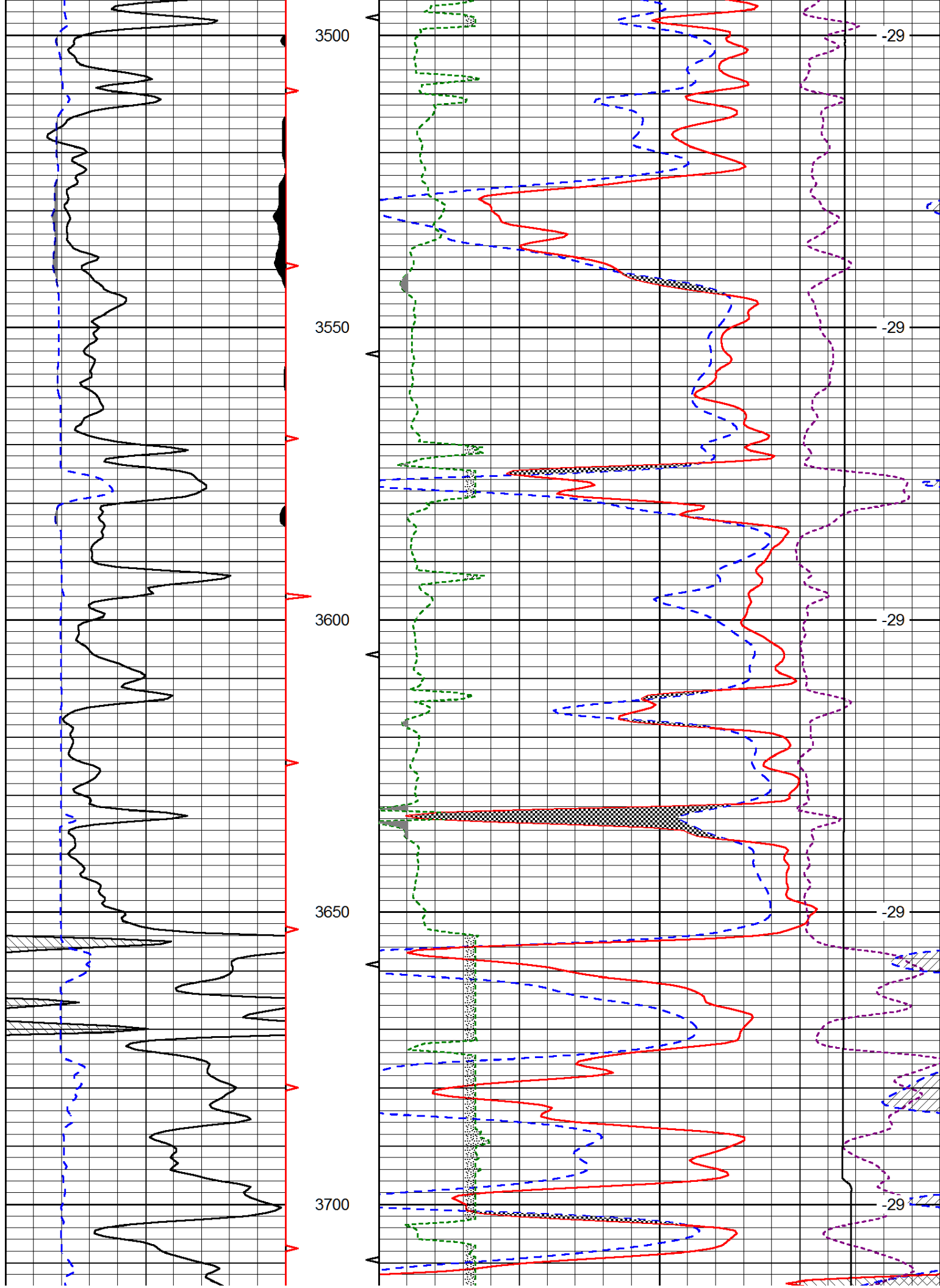
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Presentation Format:	cnlspec
Dataset Creation:	Thu Jan 15 18:00:50 2015
Charted by:	Depth in Feet scaled 1:240

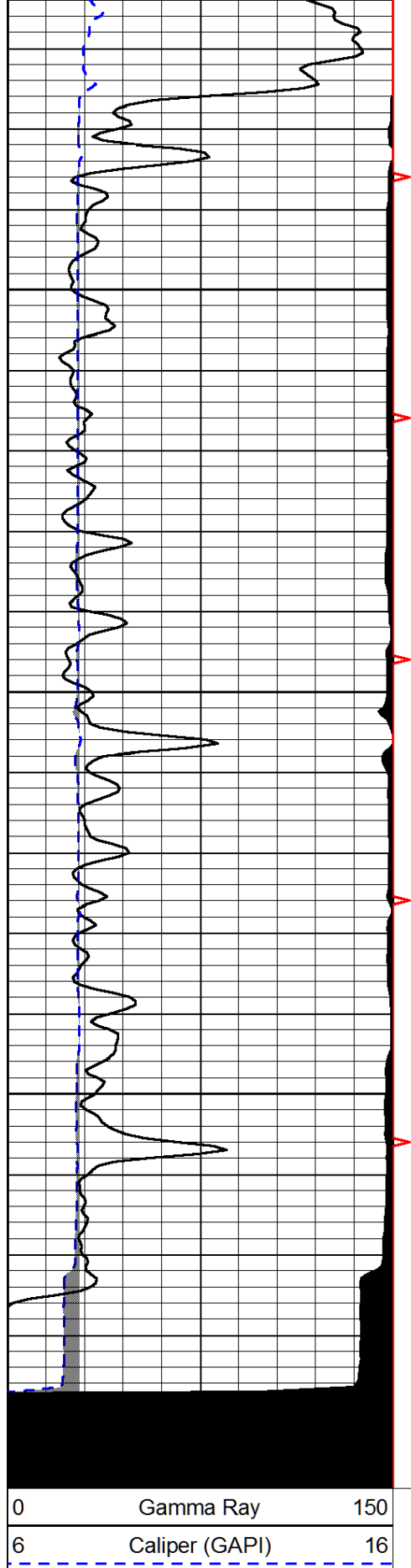
0	Gamma Ray	150	30	CNLS			-10	
6	Caliper (GAPI)	16	30	Compensated Density (2.71 ma)			-10	
			2.625	DGA	3.425	-0.25	Correction	0.25
			10000	Line Tension			0	
							LSPD	



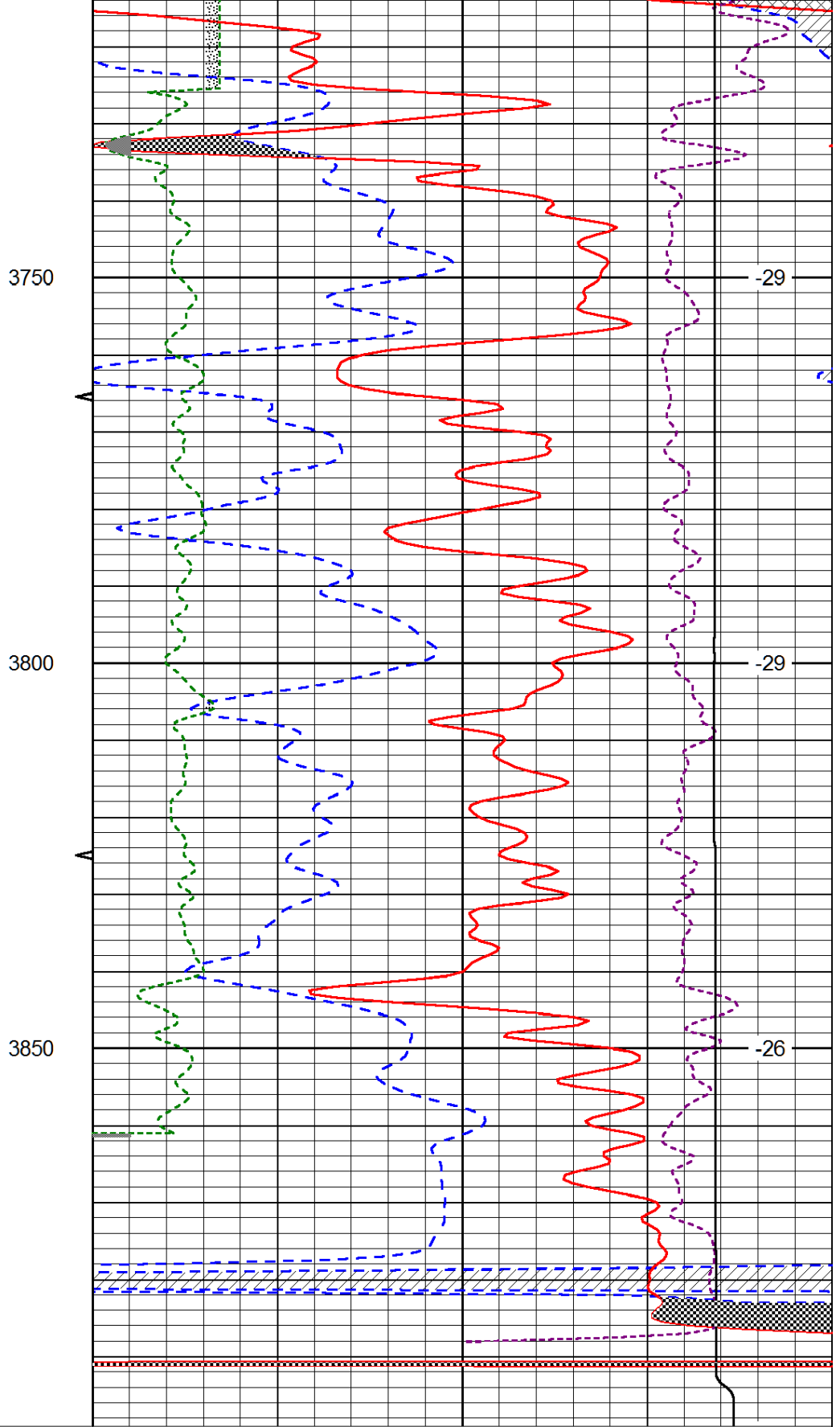








0	Gamma Ray	150
6	Caliper (GAPI)	16



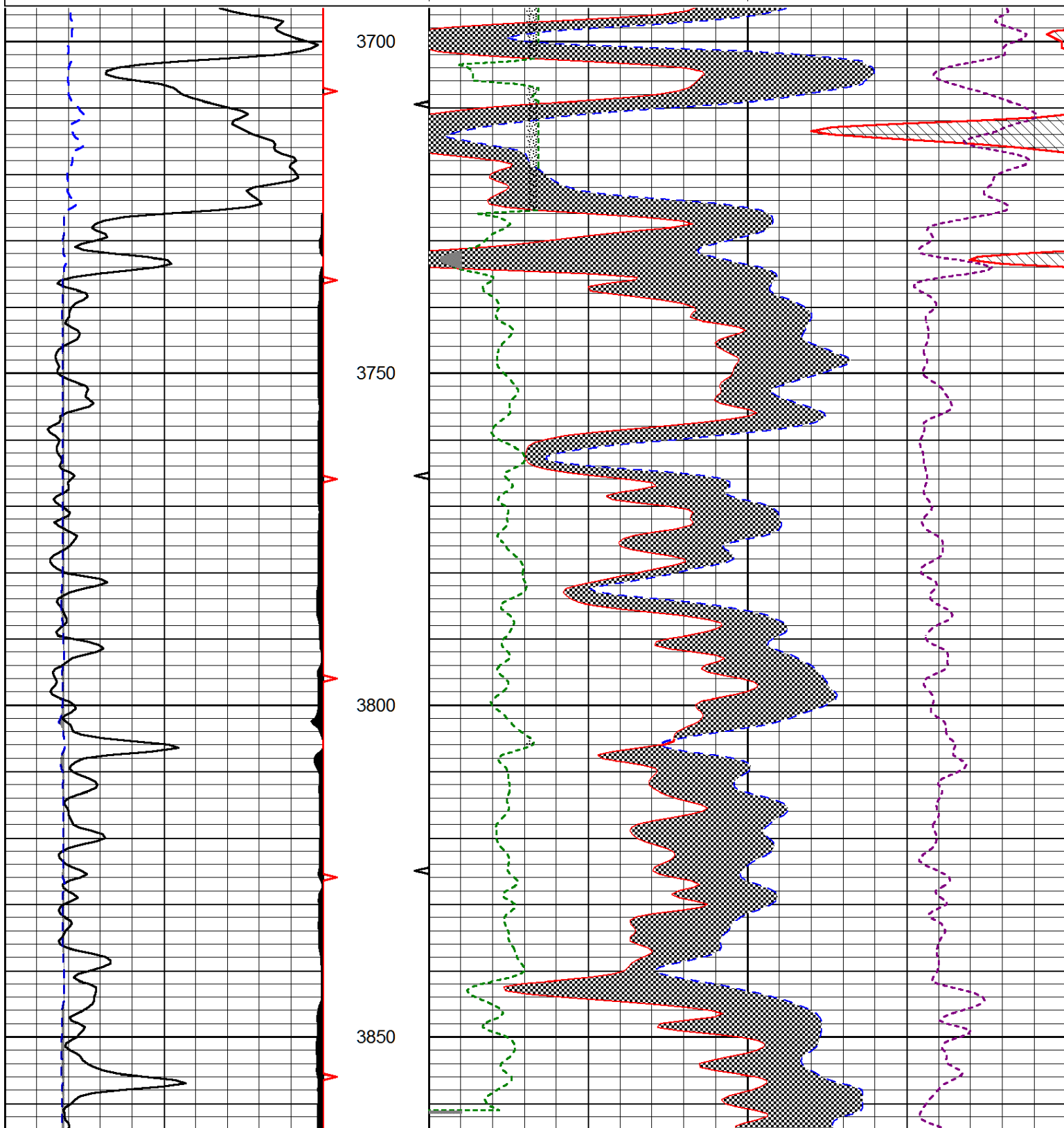
30	CNLS				-10
30	Compensated Density (2.71 ma)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0

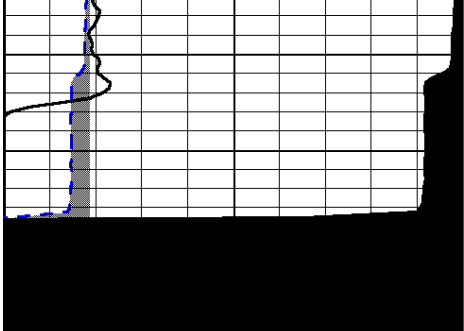
LSPD

Dolomite Matrix(2.87)

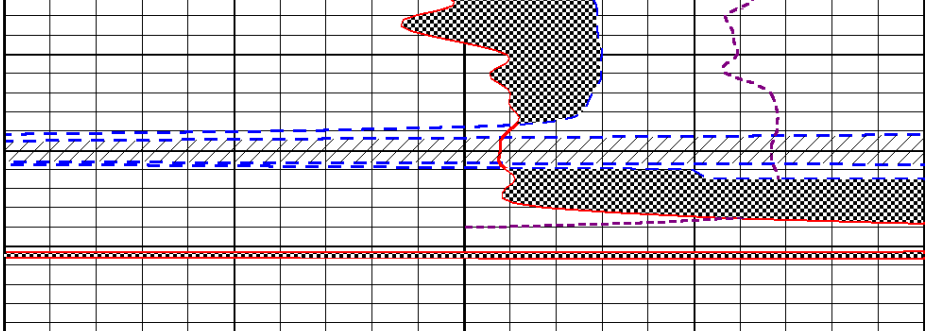
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 Dataset Pathname: DIL/swpdol
 Presentation Format: cndldol
 Dataset Creation: Thu Jan 15 18:00:51 2015
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	30	cnpor		-10
6	Caliper (GAPI)	16	30	Compensated Density		-10
			2.625	DGA	3.425	-0.25
			Correction		0.25	





0	Gamma Ray	150
6	Caliper (GAPI)	16



30		cnpor		-10
30		Compensated Density		-10
2.625	DGA	3.425	-0.25	Correction
				0.25