



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-053-21,314-00-00

Company Bird Dog Oil, LLC

Well Stoltzenberg-Svoboda No. 2-17

Field Stoltzenberg

County Ellsworth State Kansas

Location 1,040' FNL & 900' FEL

Sec: 17 Twp: 16S Rge: 10W

Permanent Datum Ground Level Elevation 1901

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Other Services
DIL
MEL/BHCS

Elevation
K.B. 1909
D.F.
G.L. 1901

Date 9/10/2014

Run Number One

Type Log CNL / CDL

Depth Driller 3460

Depth Logger 3460

Bottom Logged Interval 3439

Top Logged Interval 2650

Type Fluid In Hole Chemical

Salinity, PPM CL 11000

Density 9.3

Level Full

Max. Rec. Temp. F 111

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Adam Nighswonger

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

23#

From

To

431

One

12.25

00

431

TD

Two

7.875

431

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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

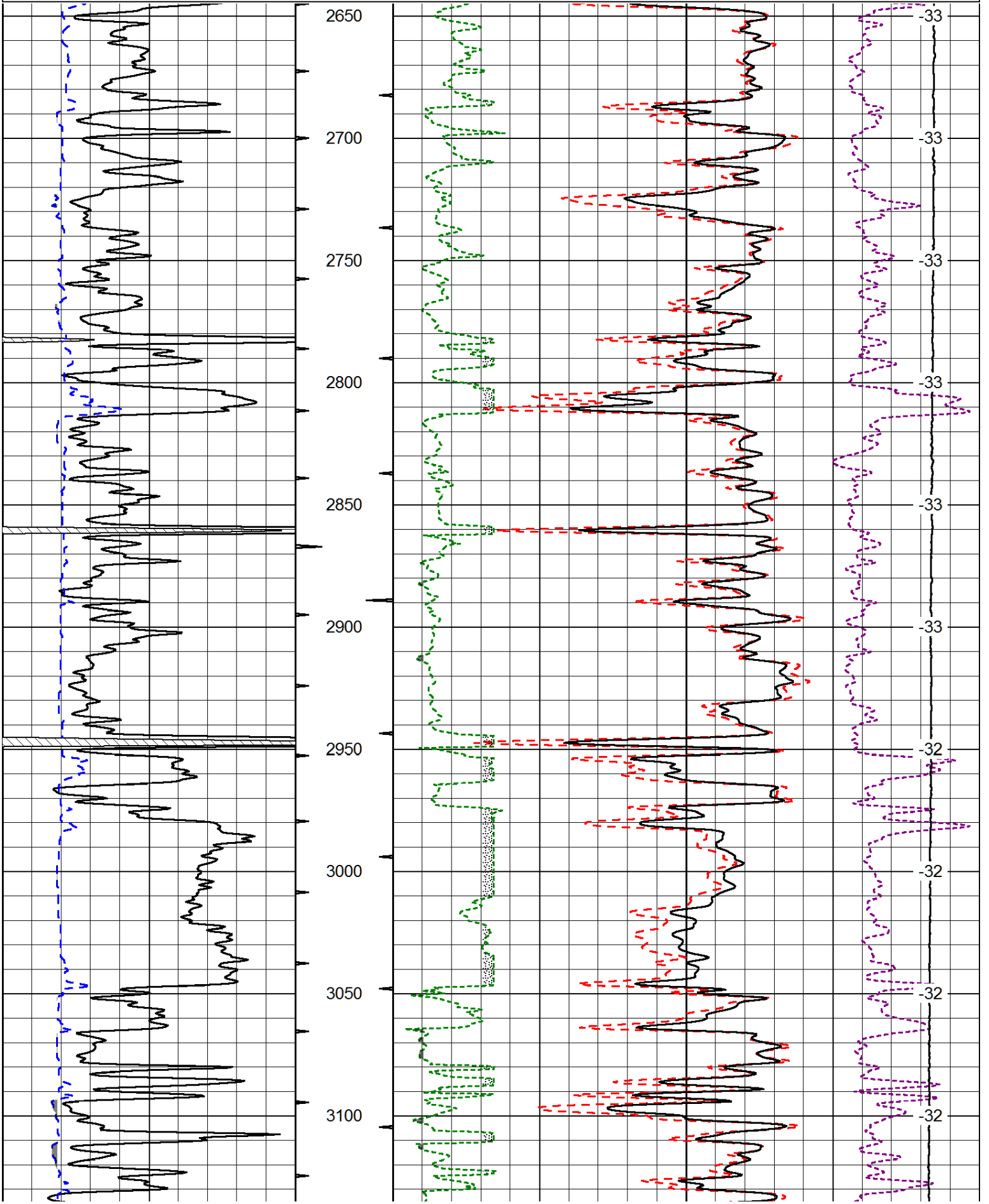
Thank you for using Log-Tech, Inc.
(785) 625-3858

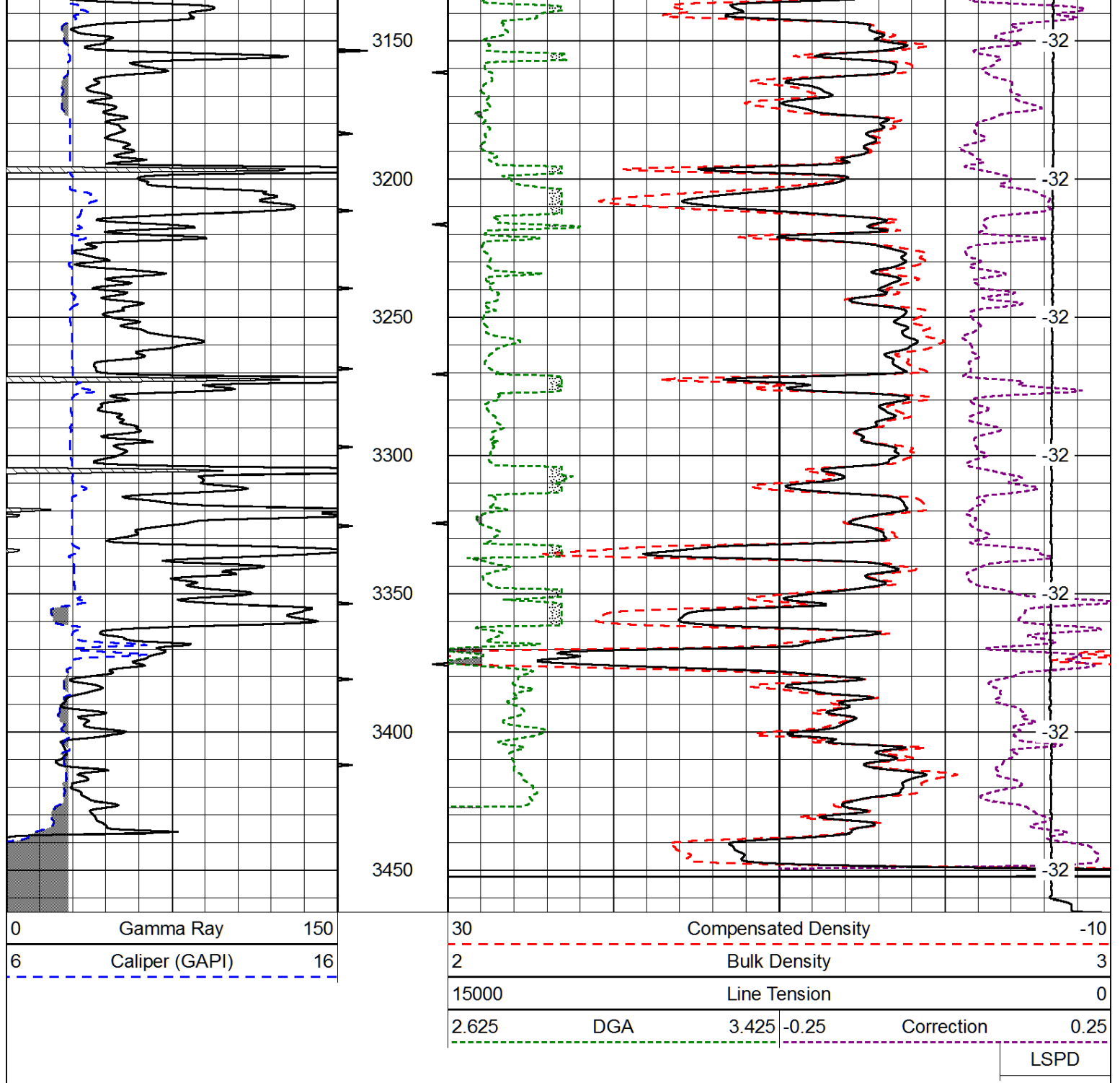
Wilson, 12 South to Avenue P, 2 East to 3rd Road, 1/2 North, 1/4 West to Tank Batteries,
North Into

Database File: birddog_stoltenberg-svoboda_2-17hd.db
Dataset Pathname: dil/birdstck
Presentation Format: cdl
Dataset Creation: Wed Sep 10 13:14:51 2014
Charted by: Depth in Feet scaled 1:600

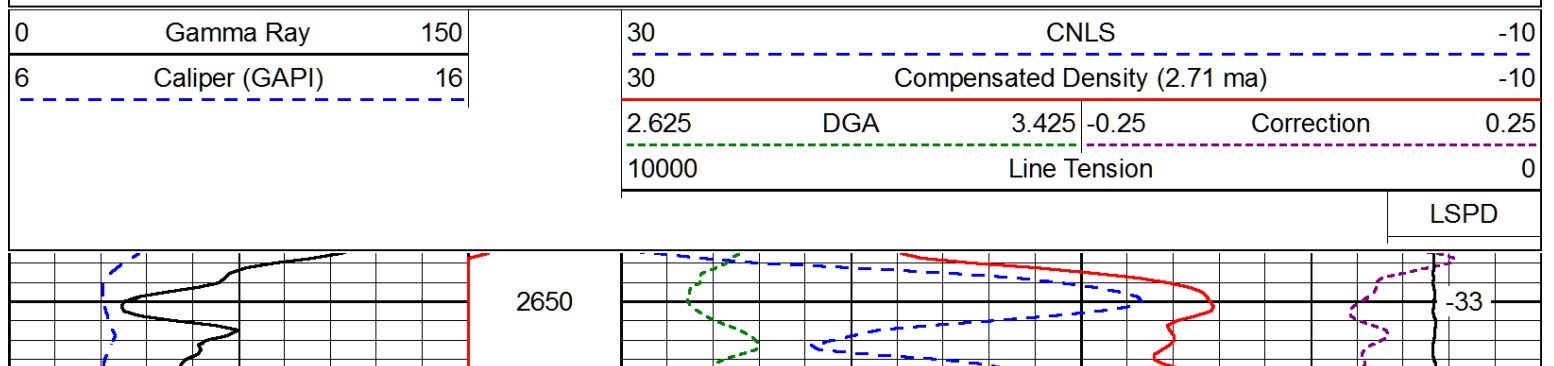
0	Gamma Ray	150
6	Caliper (GAPI)	16

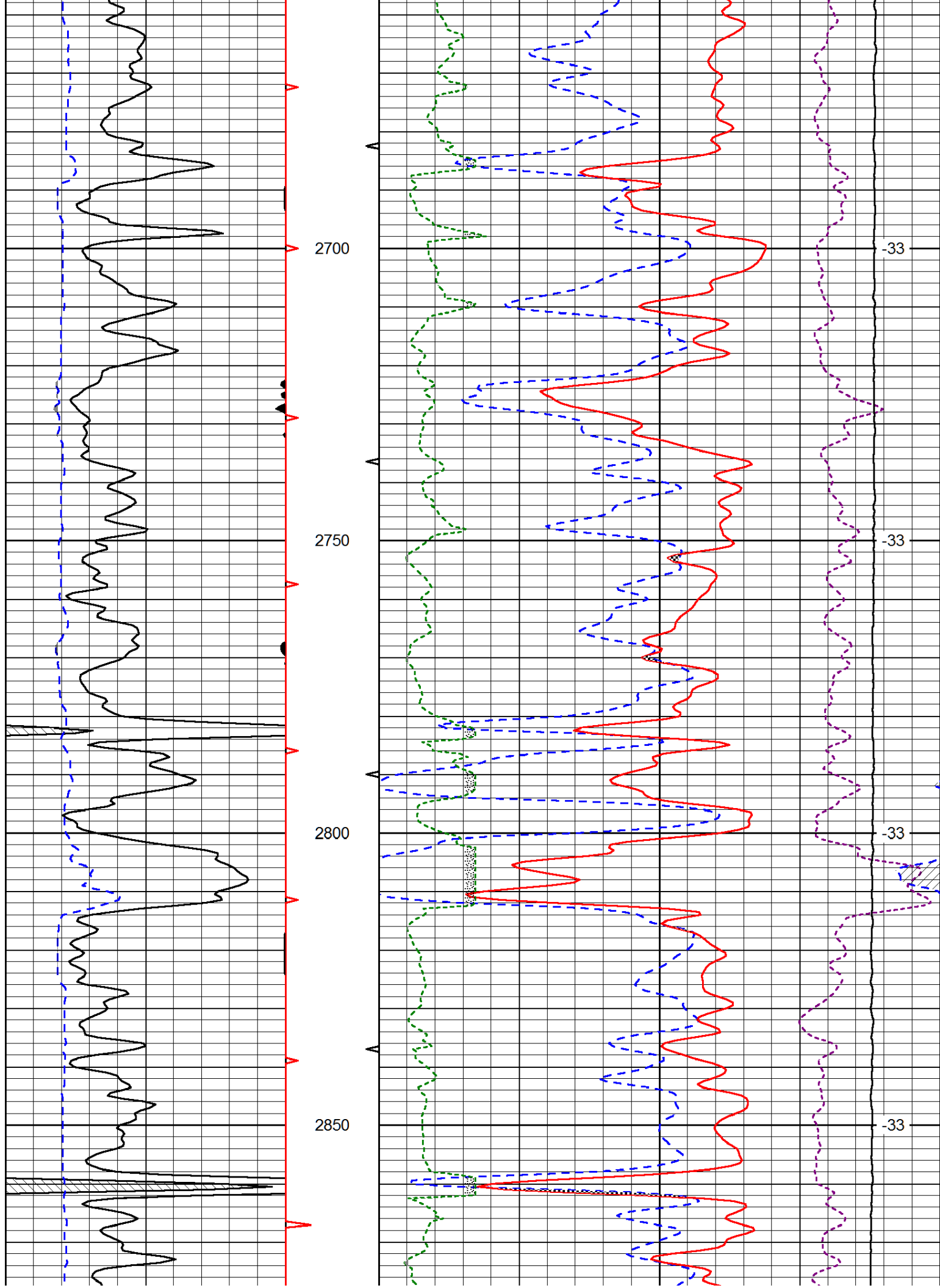
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

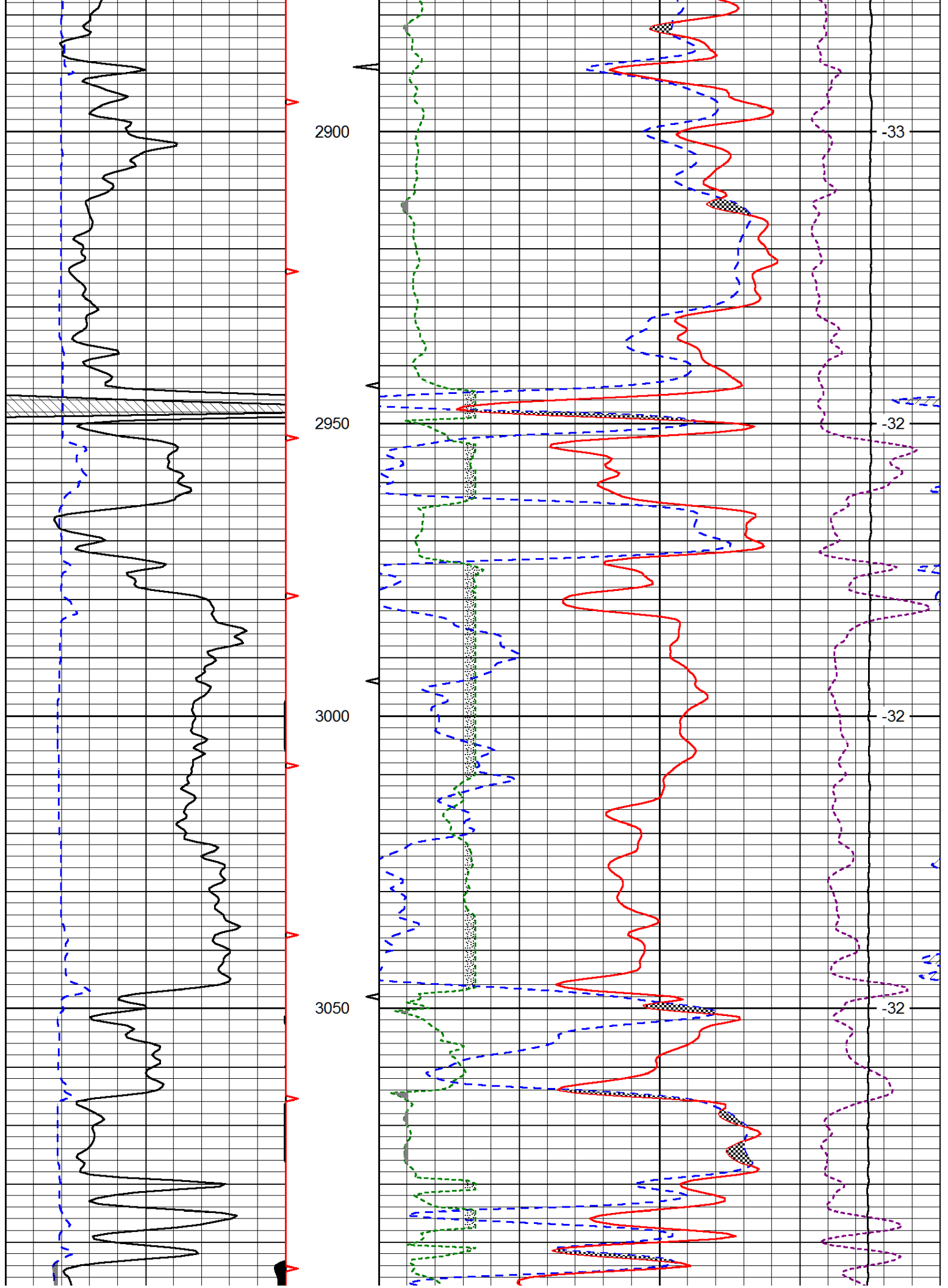


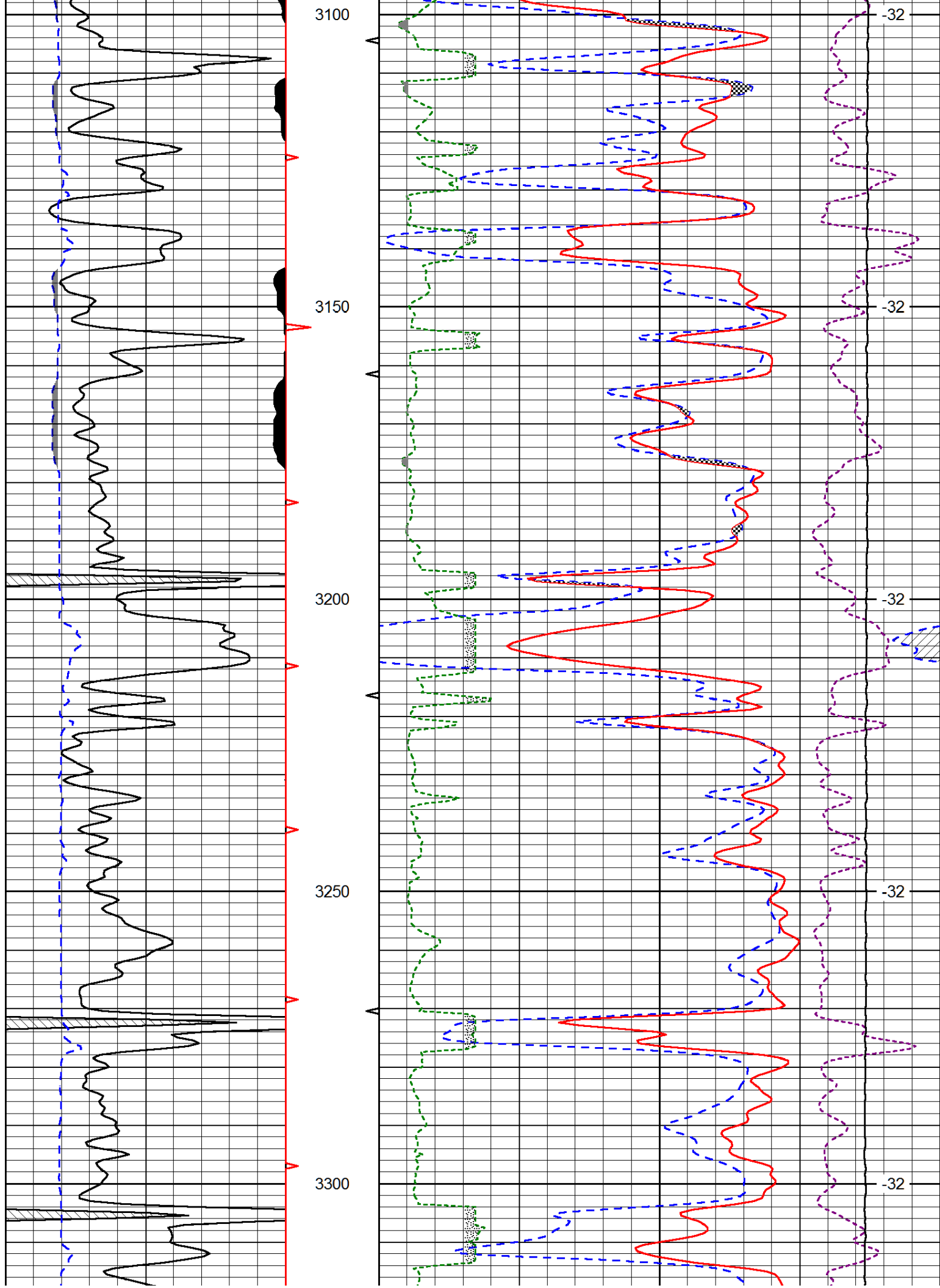


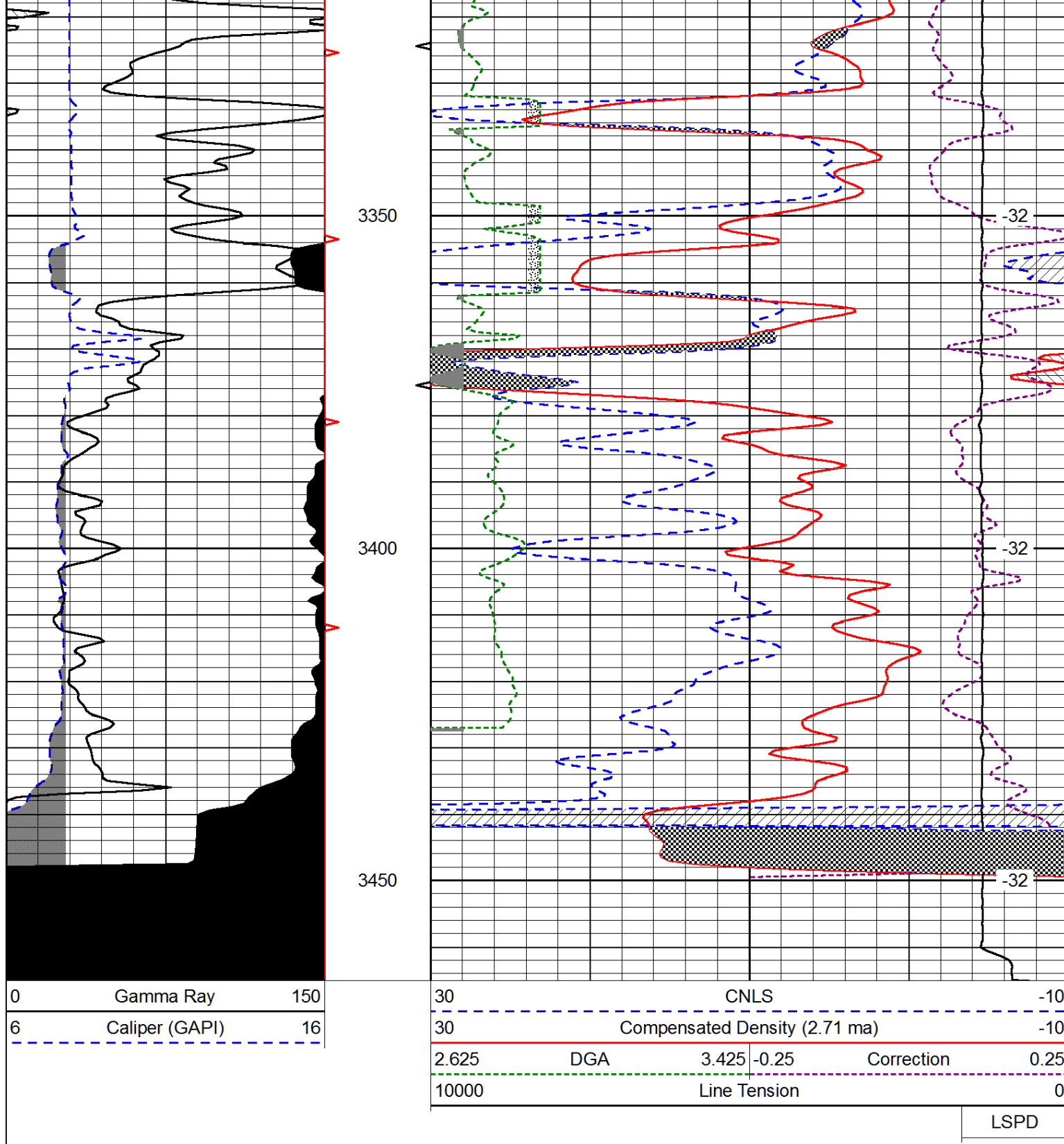
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Dataset Pathname: dil/birdstck
Presentation Format: cndlspec
Dataset Creation: Wed Sep 10 13:14:51 2014
Charted by: Depth in Feet scaled 1:240













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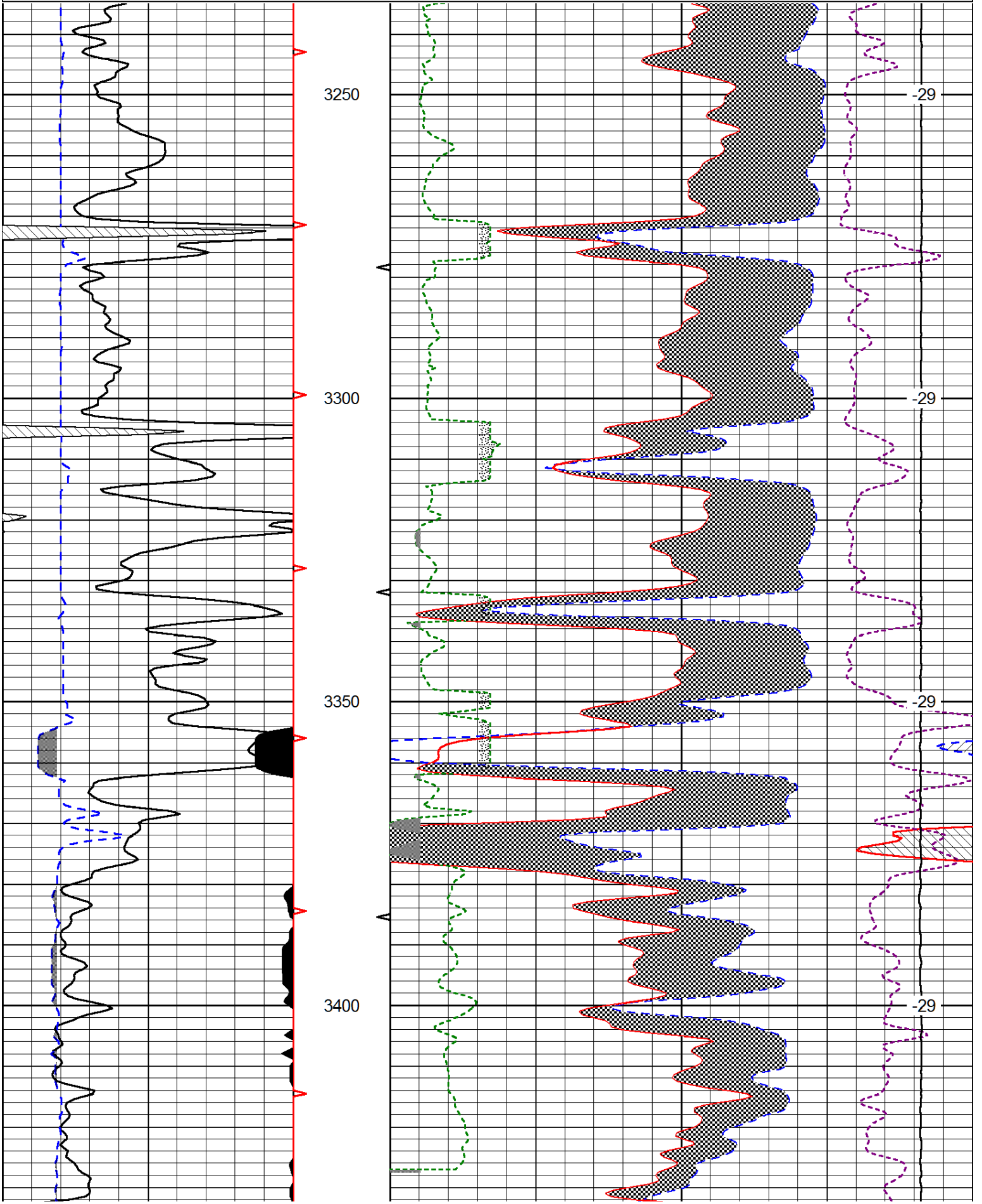
Dolomite Matrix(2.83)

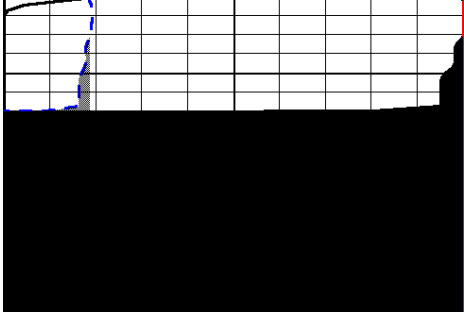
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Dataset Pathname:	dil/@000a1706
Presentation Format:	cnldol
Dataset Creation:	Wed Sep 10 13:16:53 2014
Charted by:	Depth in Feet scaled 1:240

6 Caliper (GAPI) 16

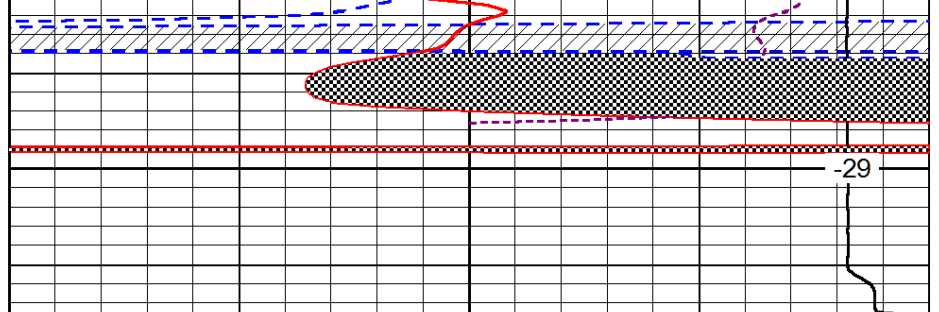
30 Compensated Neutron -10
2.625 DGA 3.425 -0.25 Correction 0.25
15000 Line Tension 0

LSPD





3450



0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron				-10
30	Compensated Density				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

LSPD