



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-167-23,880-00-00

Company Miller-Becker Enterprises, LLC

Well Jacobs No. 1

Field Gorham

County Russell State Kansas

Location 4,748' FSL & 1,714' FEL

Other Services
DIL/MEI

Sec: 22 Twp: 14S Rge: 15W

Permanent Datum Ground Level Elevation 1807
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1814
D.F. 1807
G.L. 1807

Date

5/20/2013

Run Number

One

Type Log

CNL / CDL

Depth Driller

3300

Depth Logger

3296

Bottom Logged Interval

3275

Top Logged Interval

2000

Type Fluid In Hole

Chemical

Salinity, PPM CL

2500

Density

9.0

Level

Full

Max. Rec. Temp. F

109

Operating Rig Time

4 Hours

Equipment -- Location

108 Hays

Recorded By

J. Long

Witnessed By

Jeff Lawler

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

225

8.625

23#

00

225

Two

7.875

225

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

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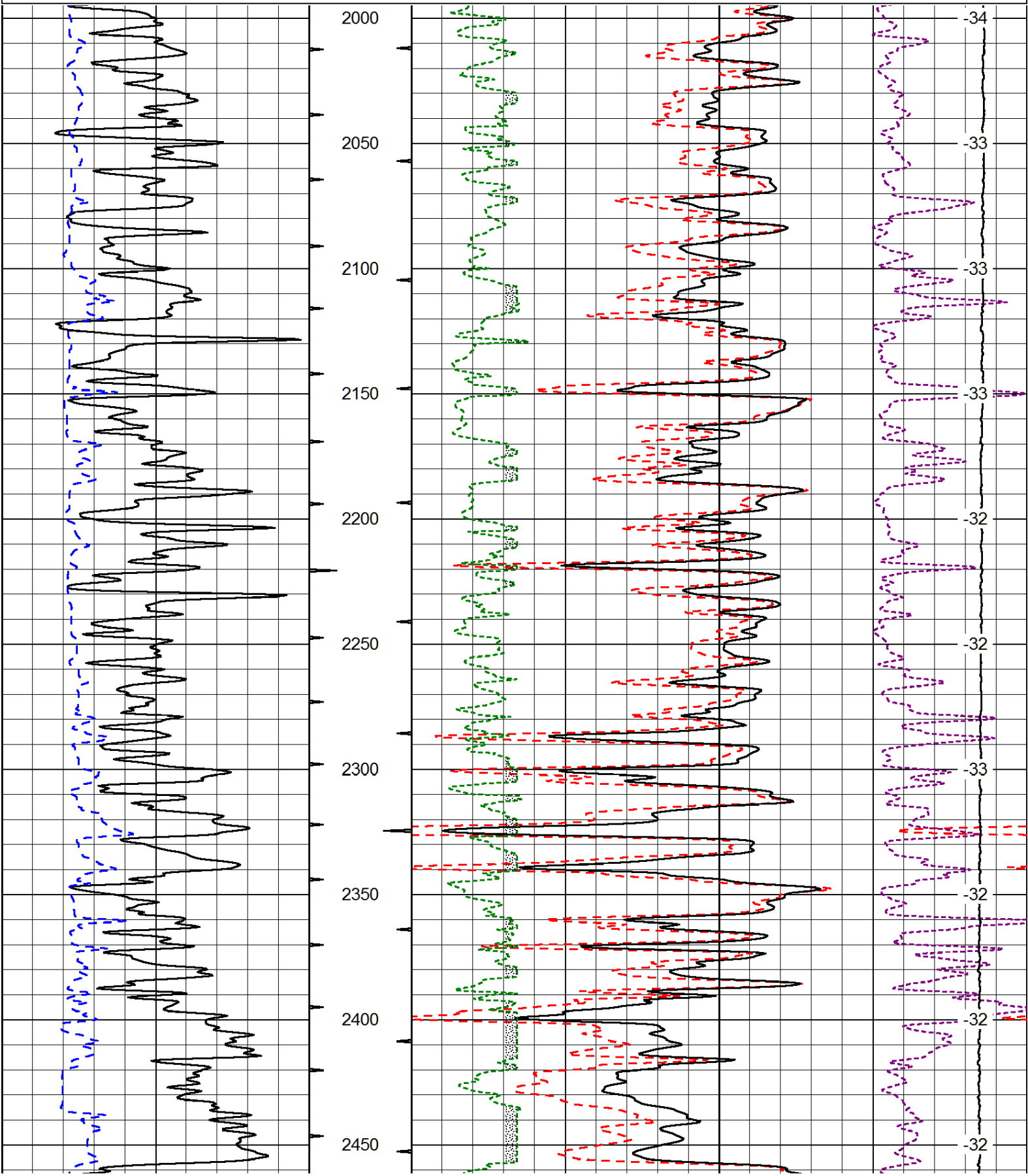
Gorham Exit, 2 1/2 South, 2 1/2 East, South Into

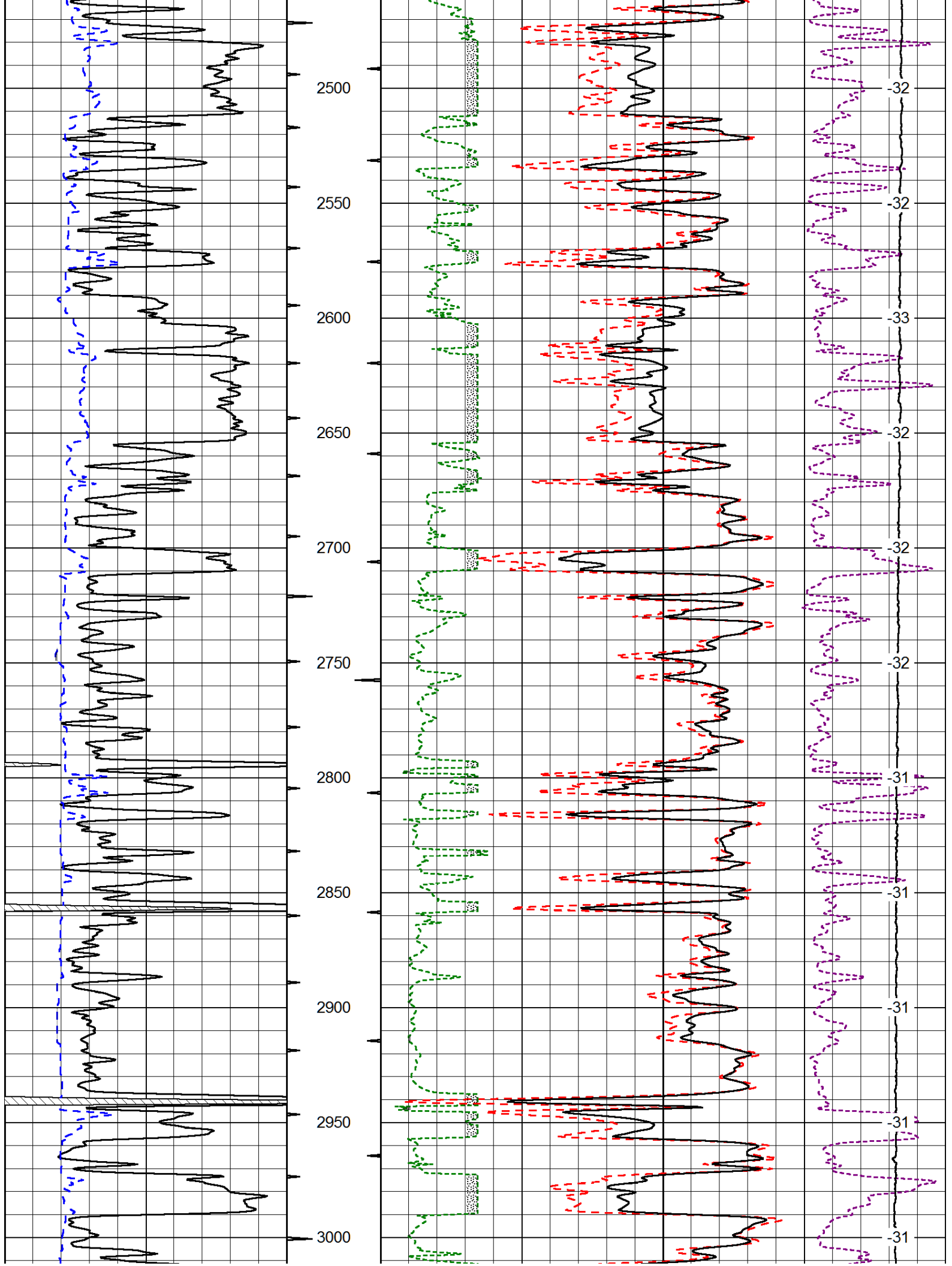
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Dataset Pathname: dil/millstck
Presentation Format: cdl
Dataset Creation: Mon May 20 20:21:11 2013
Charted by: Depth in Feet scaled 1:600

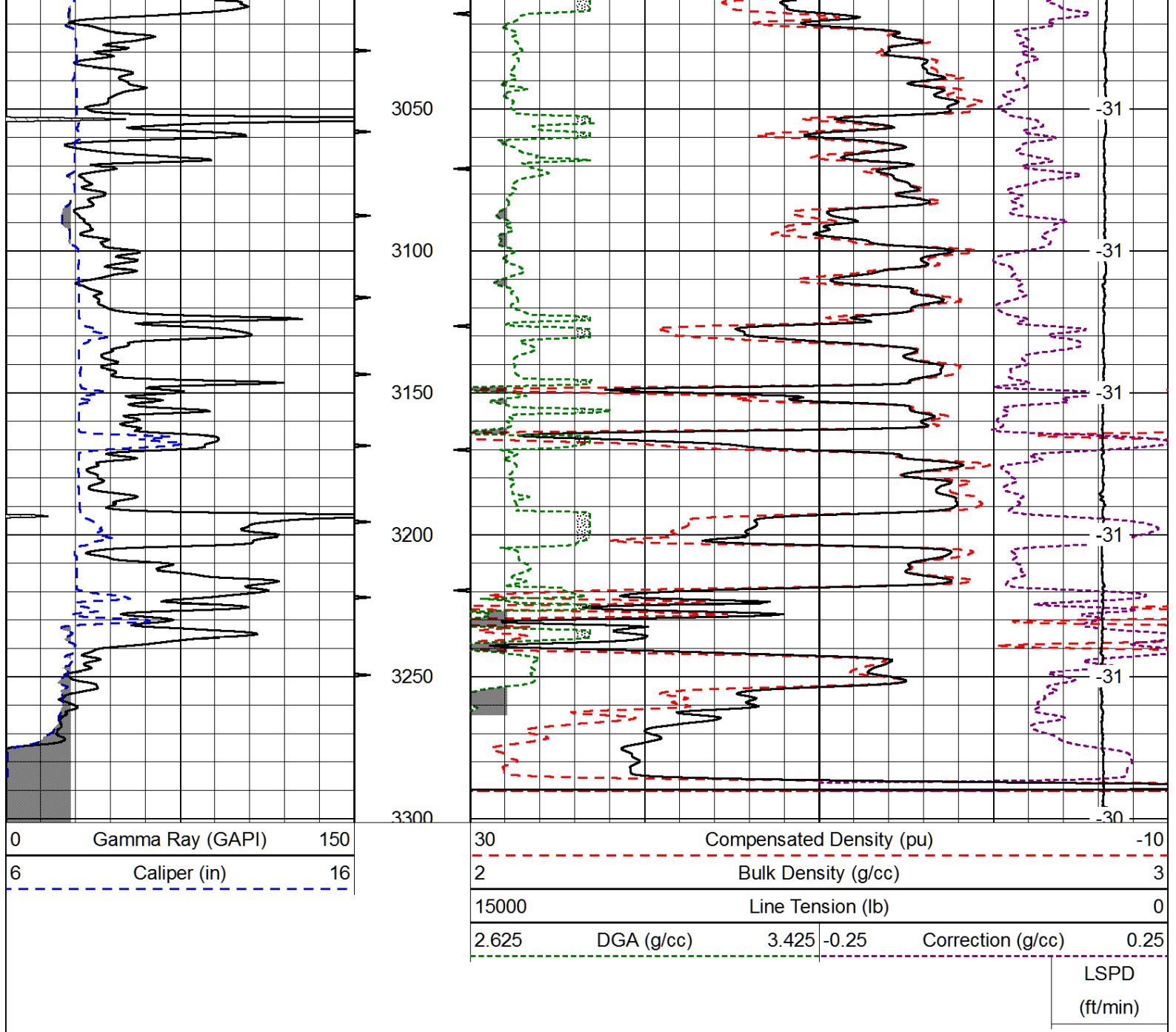
Charted by: Depth in Feet scaled 1:600

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

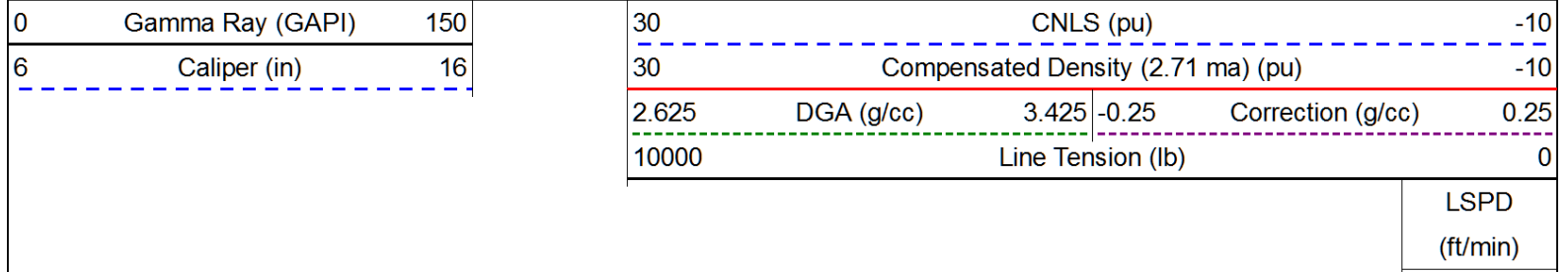
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
		Correction (g/cc)	0.25
LSPD			
(ft/min)			

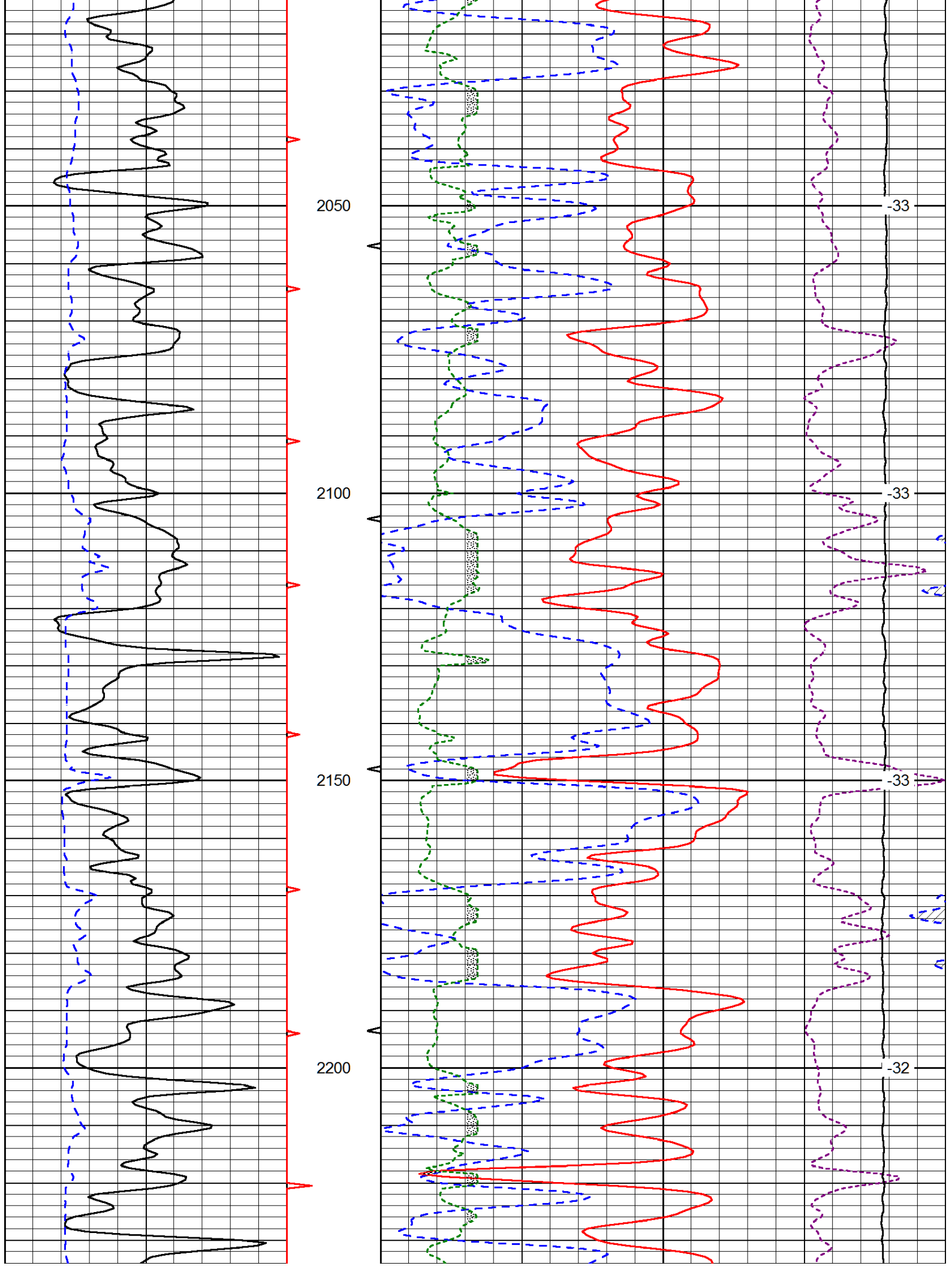


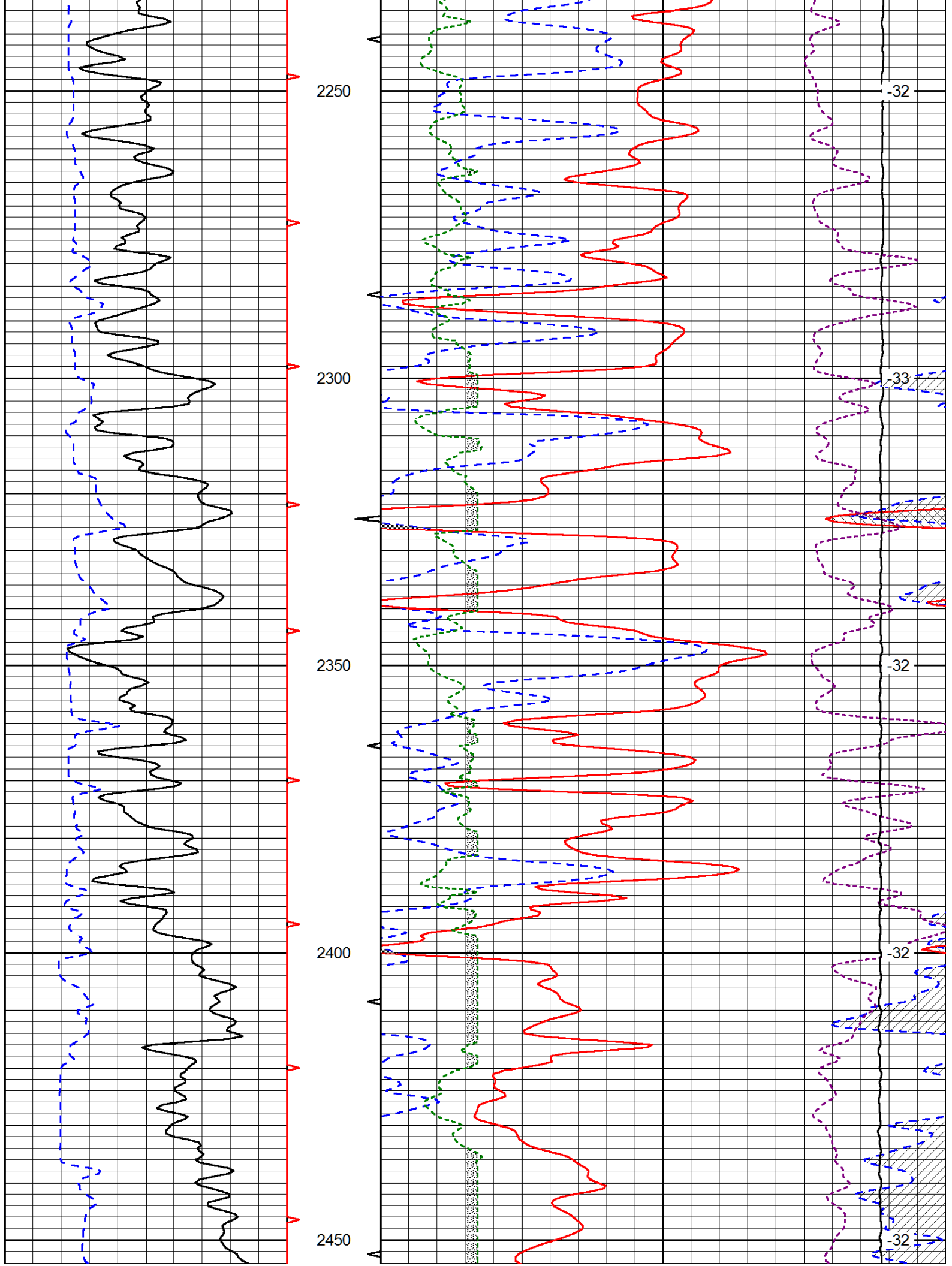


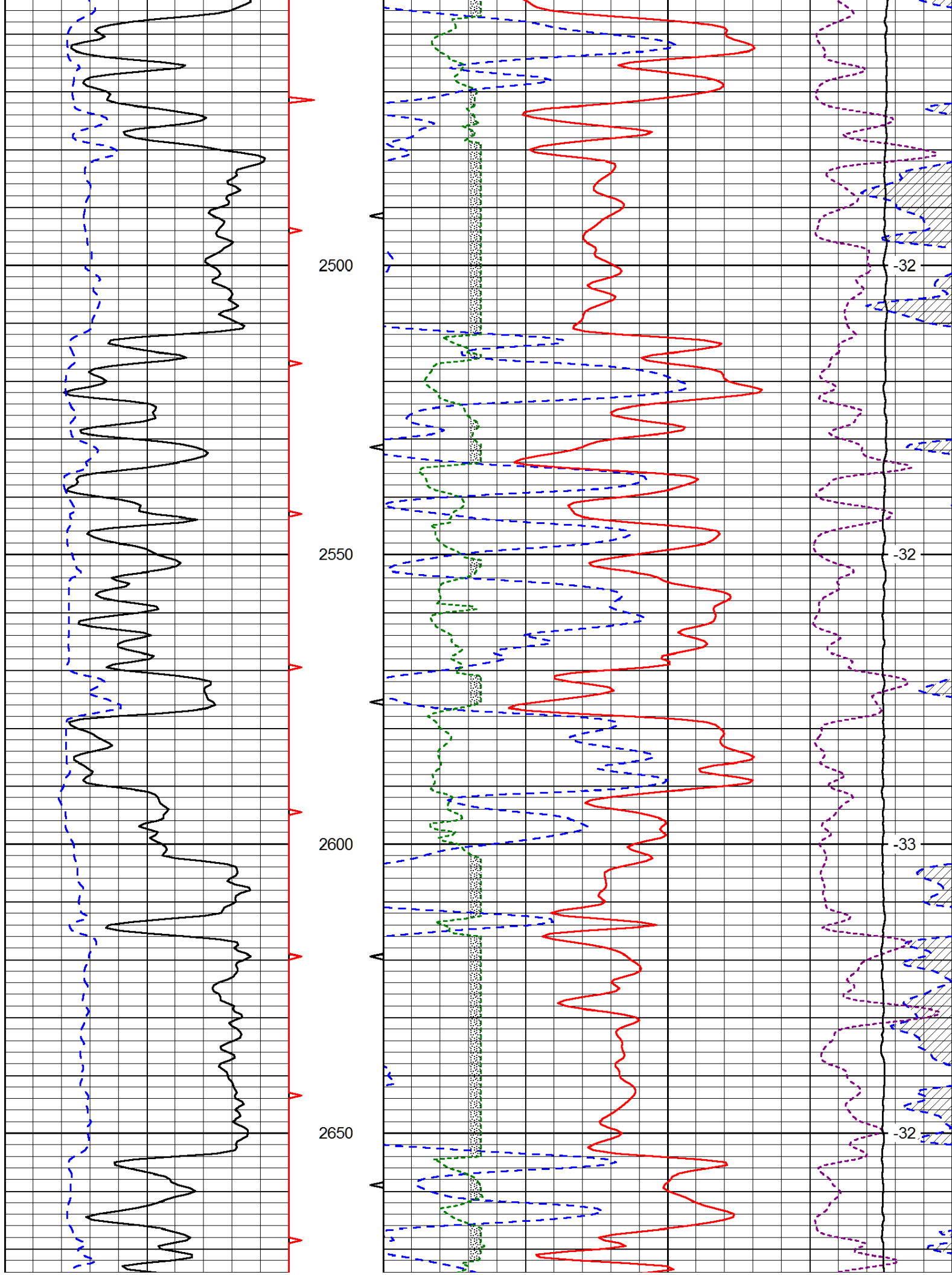


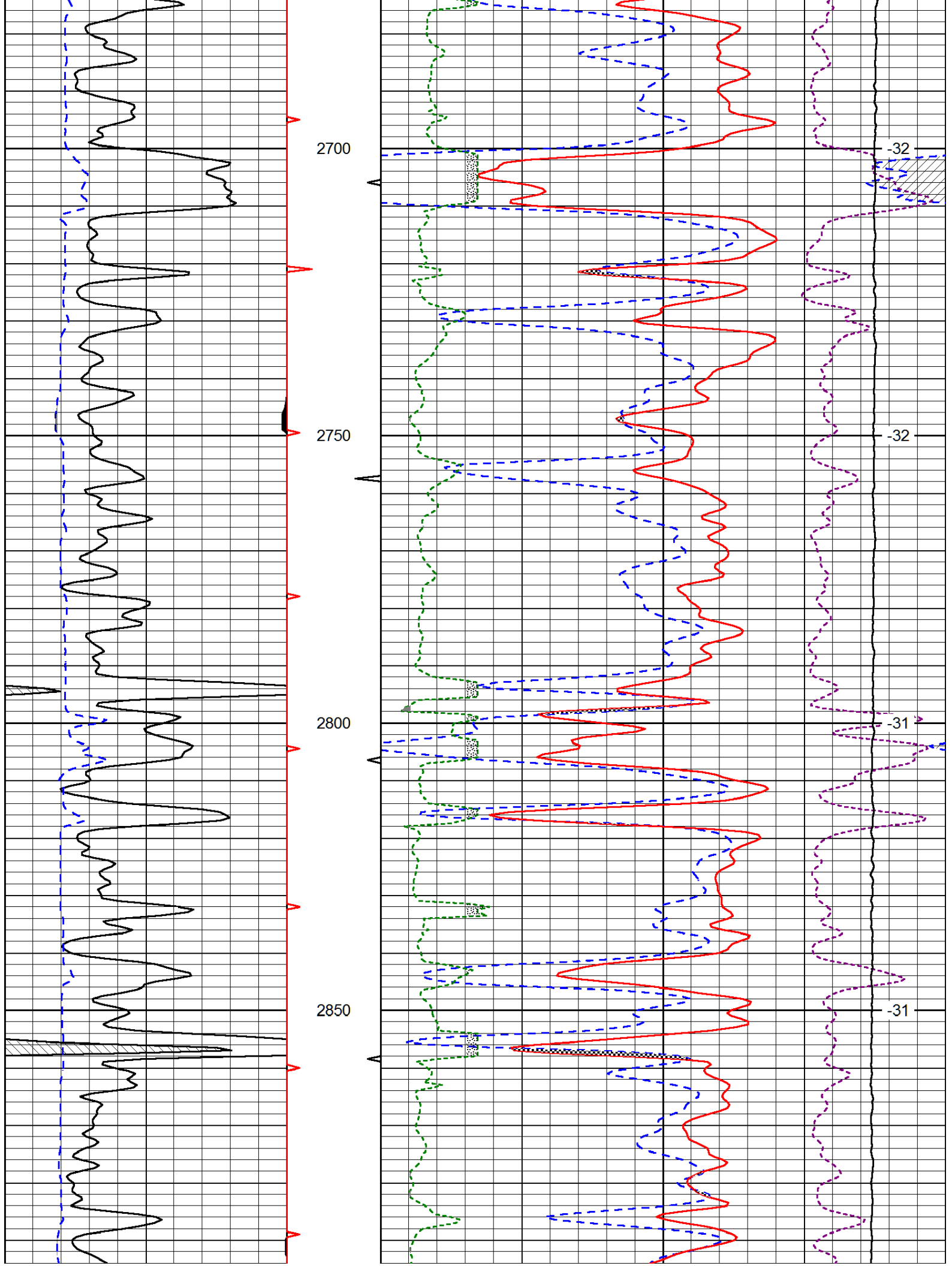
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Dataset Pathname: dil/millstck
Presentation Format: cndlspec
Dataset Creation: Mon May 20 20:21:11 2013
Charted by: Depth in Feet scaled 1:240

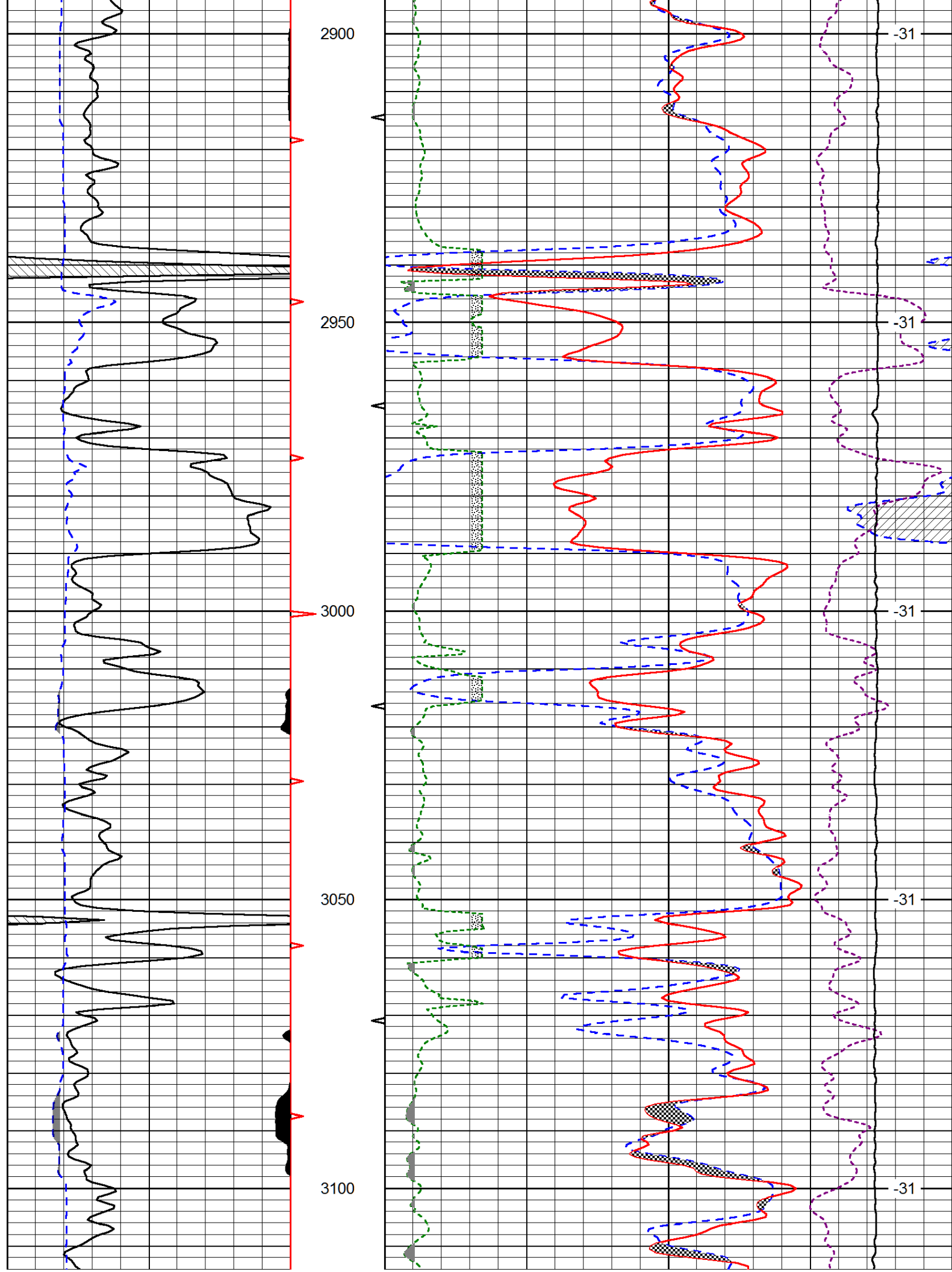


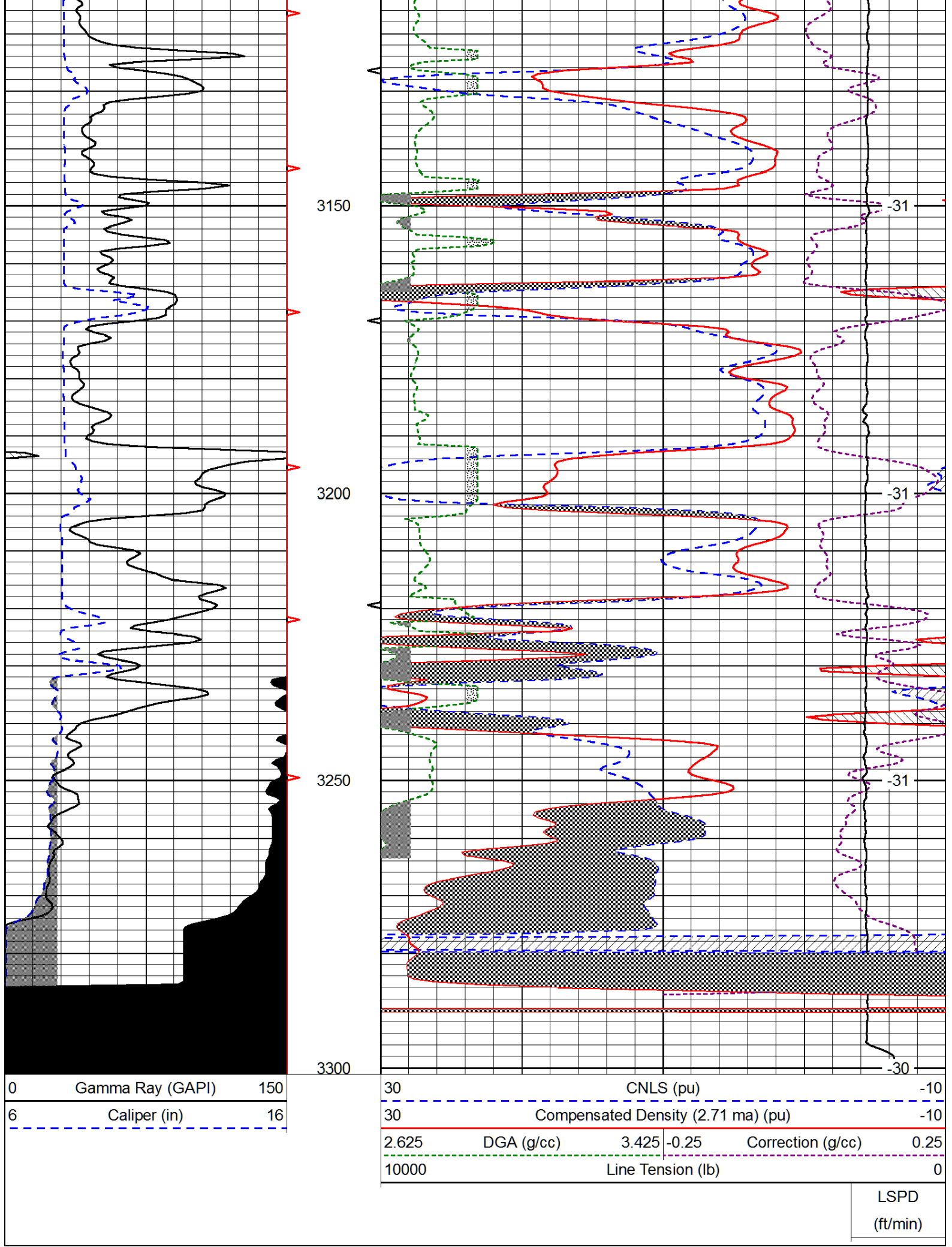












0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

					-50
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)