



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26497-00-00

Company **Staab Oil Company**

Well **Furthmeyer #1**

Field **Unnamed**

County **Ellis**

State **Kansas**

Location

980' FNL & 1125' FWL

Other Services
DIL/MEL

Sec: **29**

Twp: **12S**

Rge: **19W**

Elevation

Permanent Datum **Ground Level** Elevation **2167**
Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Date **03-25-2013**

Run Number

One

Type Log

CNL / CDL

Depth Driller

3910

Depth Logger

3907

Bottom Logged Interval

3886

Top Logged Interval

3150

Type Fluid In Hole

Chemical

Salinity, PPM CL

1900

Density

9.4

Level

Full

Max. Rec. Temp. F

117

Operating Rig Time

3 1/2 Hours

Equipment -- Location

91 Hays

Recorded By

D.Schmidt

Witnessed By

Frank Staab

Run No.

One

Bit

7.875

From

00

To

210

Size

8.625

Wgt. 23#

From 00

To 210

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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.

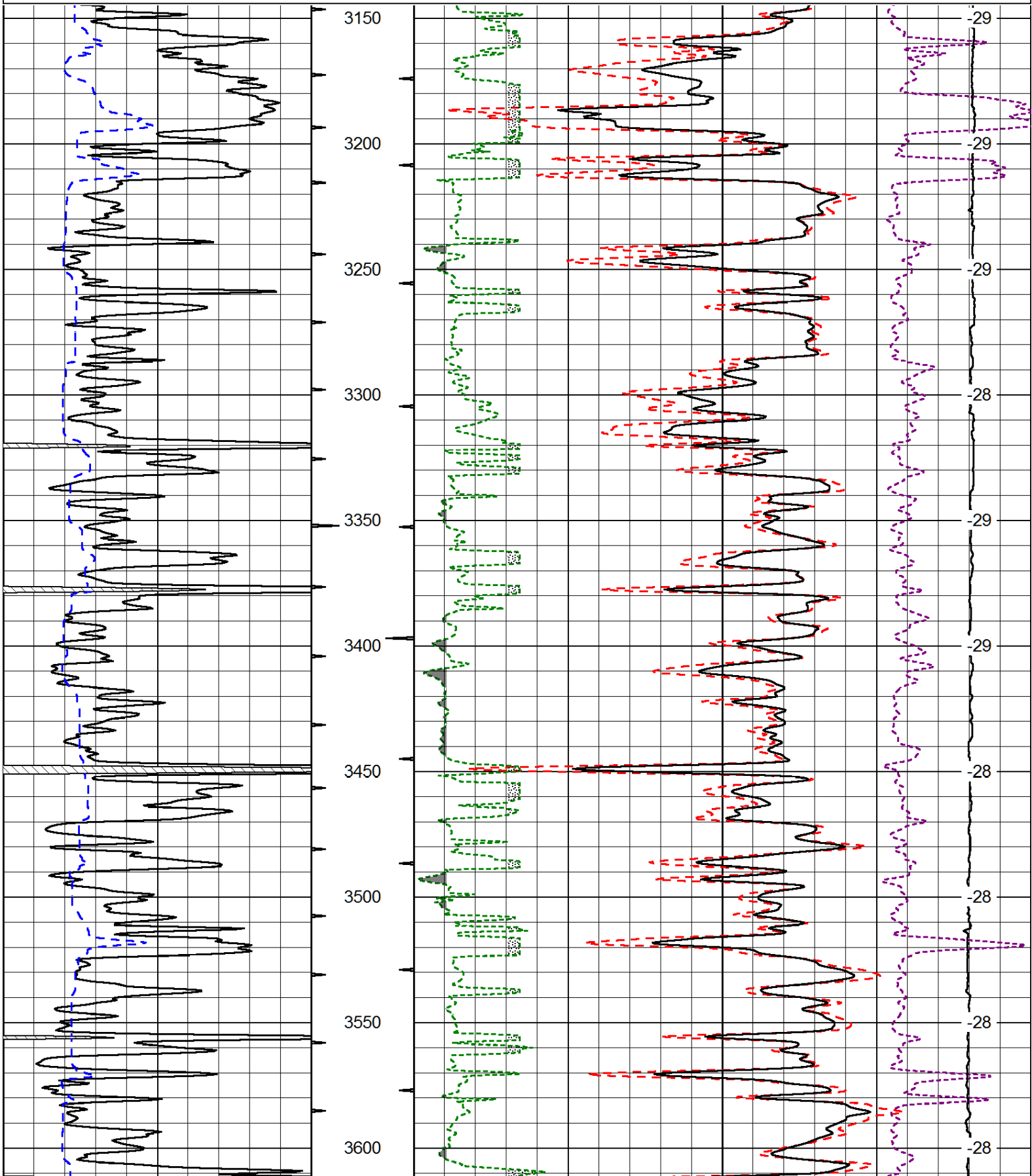
Comments

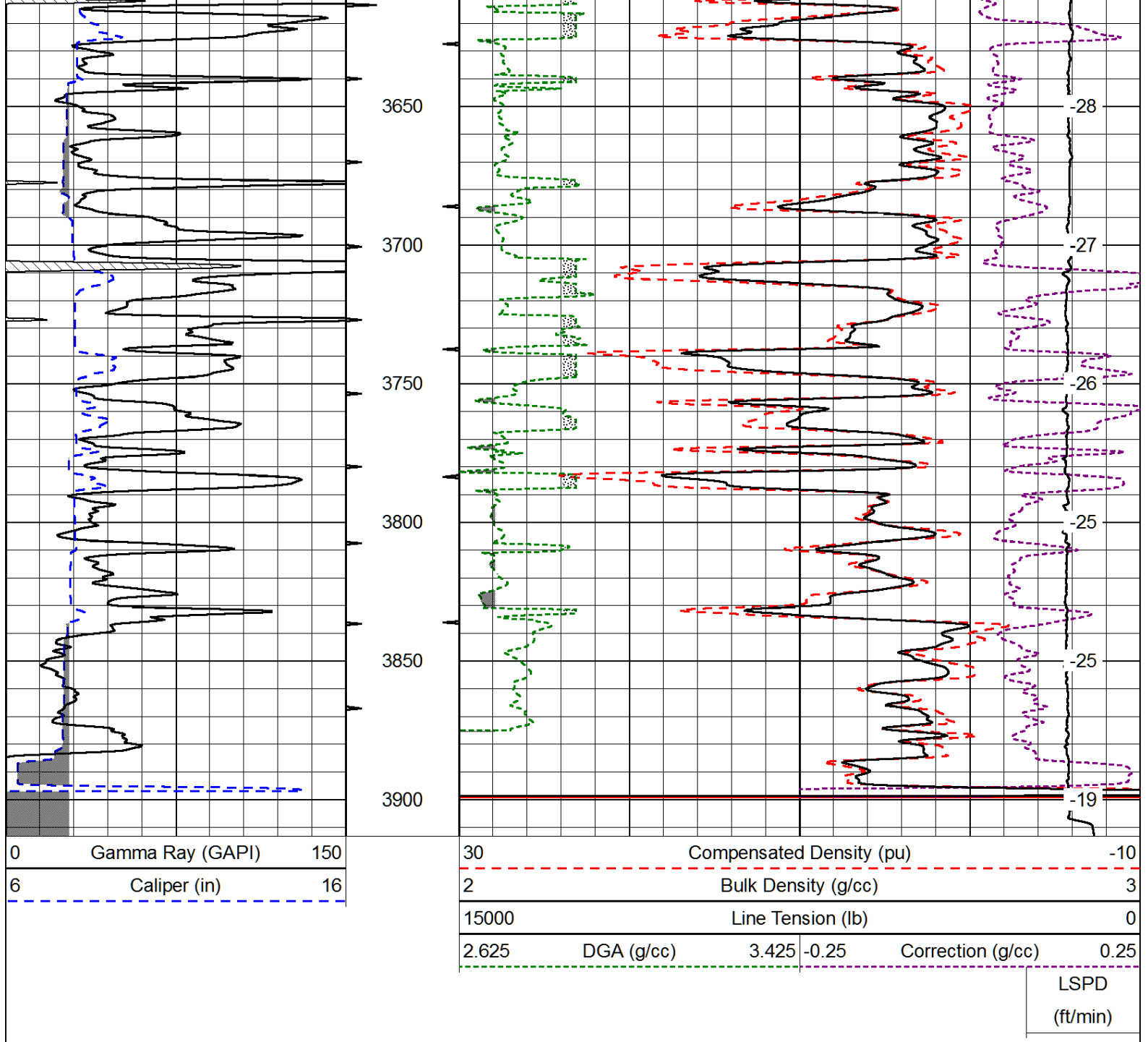
Thank you for using Log-Tech, Inc.
(785) 625-3858

Yocemento,
4 North to Locust Grove, 1 3/4 West,
South into

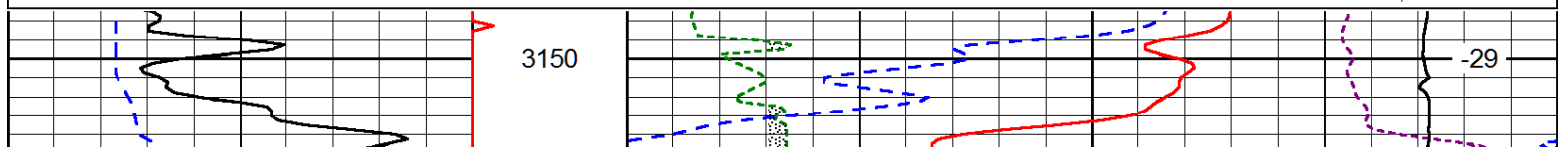
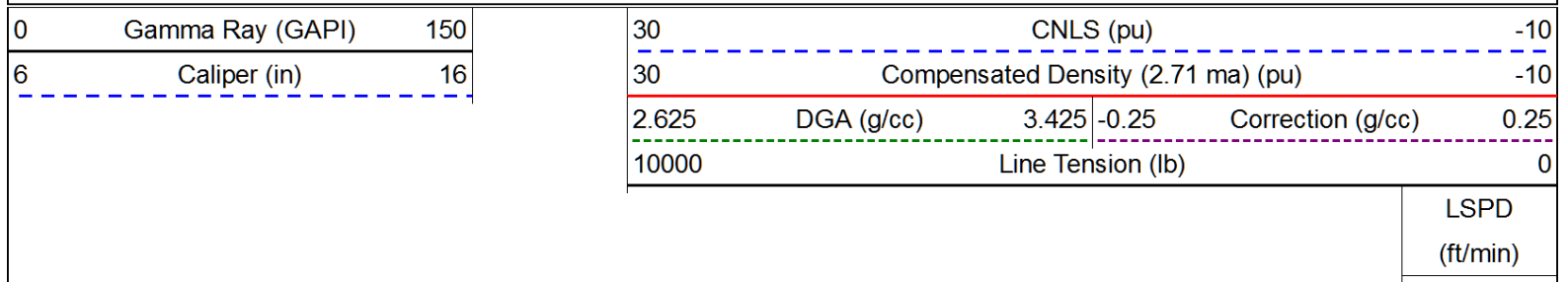
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

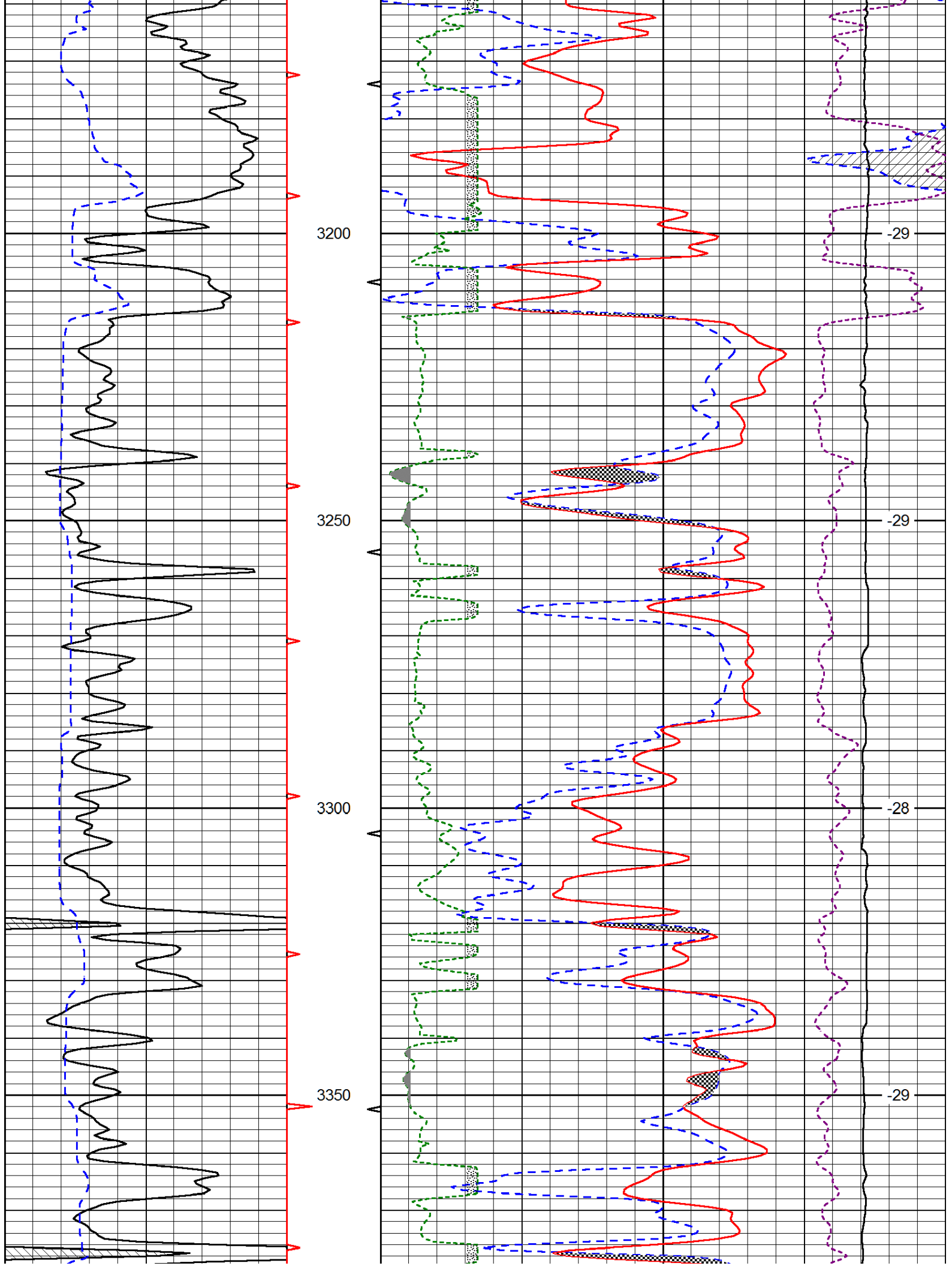
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD		(ft/min)

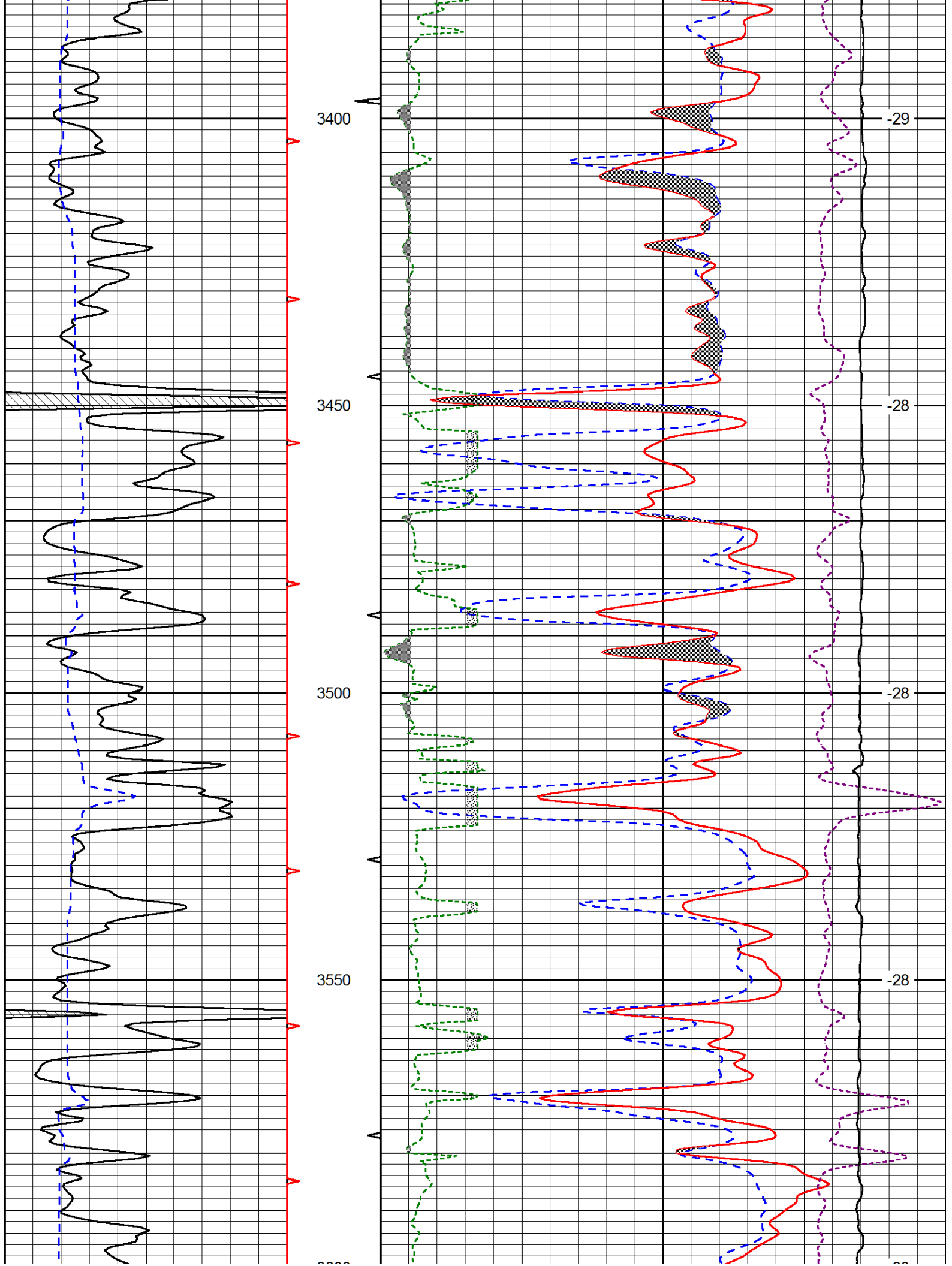


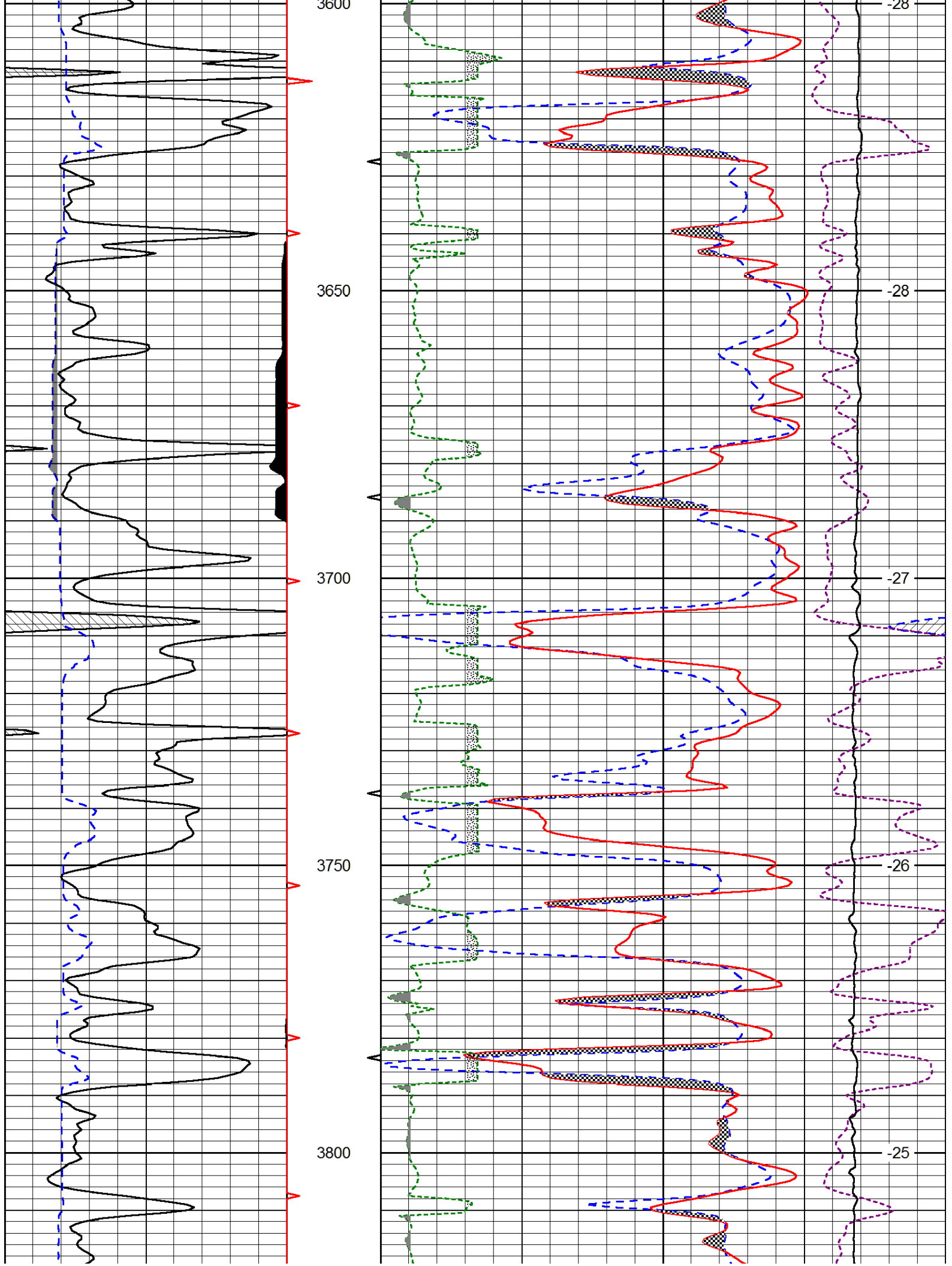


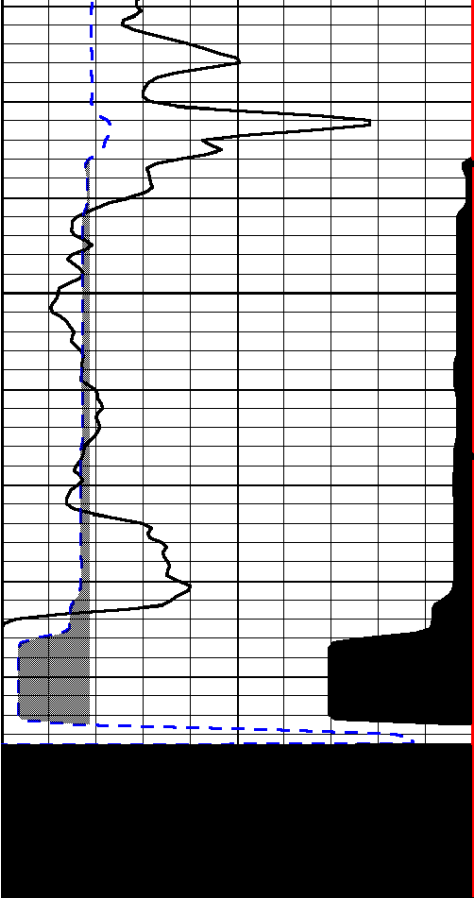
Database File: staab_032513hd.db
 Dataset Pathname: dil/stbstk
 Presentation Format: cndlspec
 Dataset Creation: Mon Mar 25 21:46:24 2013
 Charted by: Depth in Feet scaled 1:240







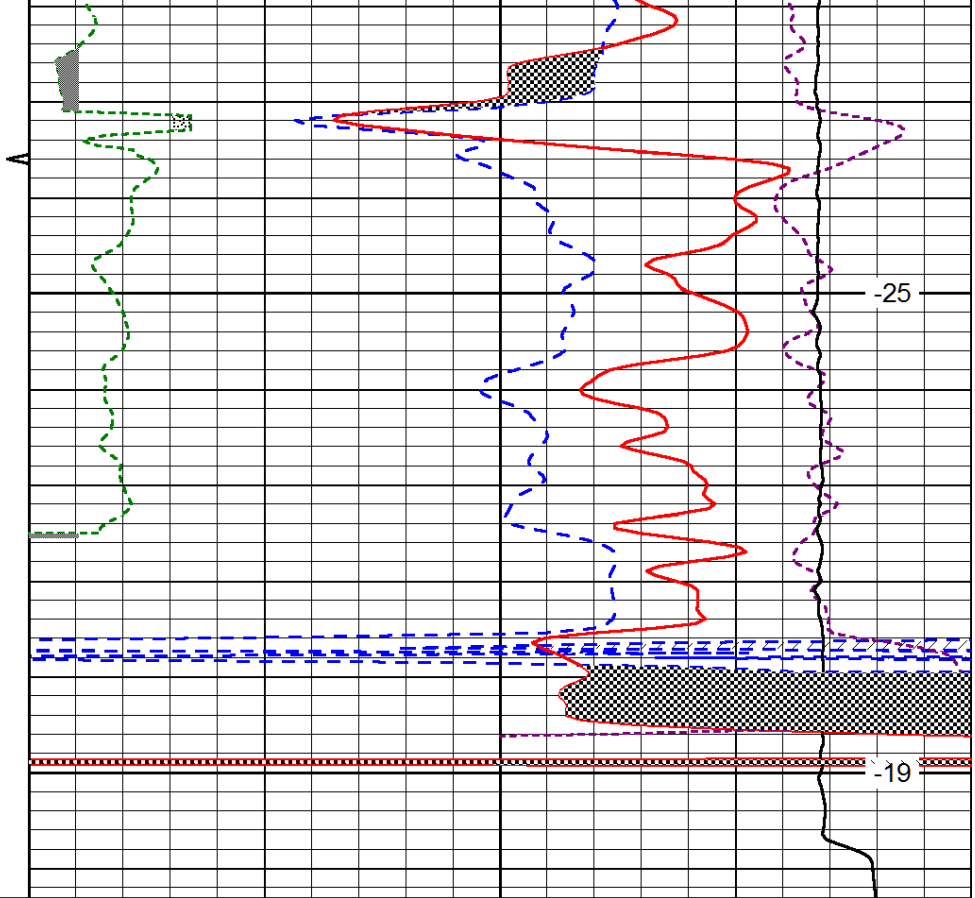




0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

3850

3900



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)