



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-195-22802-00-00

Company **Cholla Production, LLC**

Well **Ruder #1-5**

Field **Diebolt**

County **Trego**

State **Kansas**

Location

**NE SE NW NE
775' FNL / 1555' FEL**

Sec: **5**

Twp: **11S**

Rge: **23W**

Other Services
DIL
MEL/BHCS

Permanent Datum

Ground Level

Elevation 2316

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

K.B. 2324
D.F.
G.L. 2316

Drilling Measured From

Kelly Bushing

Elevation

K.B. 2324
D.F.
G.L. 2316

Date

8/27/2012

One

CNL / CDL

Type Log

4079

4081

4060

Depth Driller

4081

4060

3000

Bottom Logged Interval

3000

Chemical

3500

Type Fluid In Hole

3500

9.3

Full

Density

117

5 Hours

15 Hays

Max. Rec. Temp. F

15

R. Barnhart

Bill Goff

Equipment -- Location

15

5 Hours

15 Hays

Recorded By

R. Barnhart

Bill Goff

Bill Goff

Witnessed By

Bill Goff

Bill Goff

Bill Goff

Borehole Record

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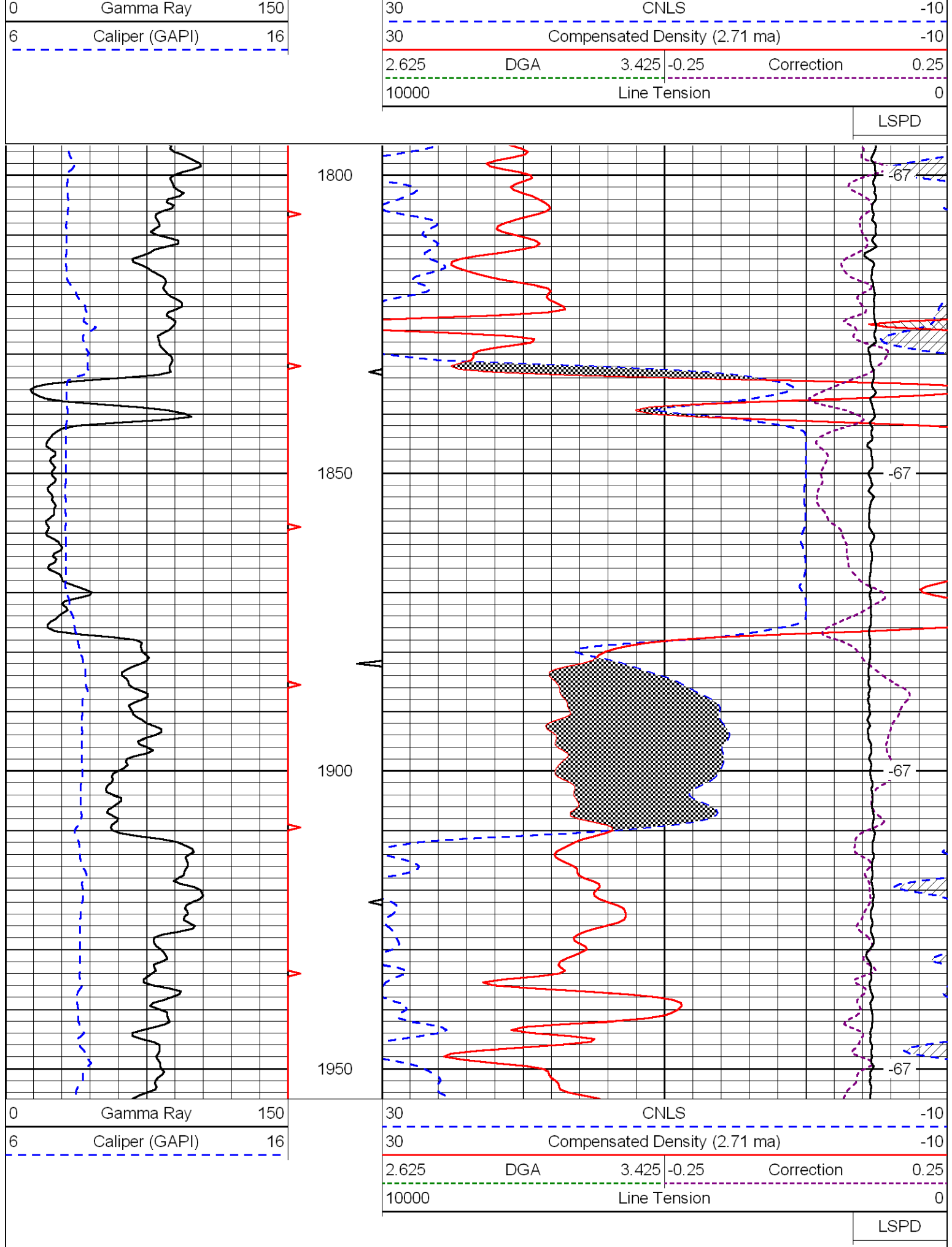
To

Run No

Bit

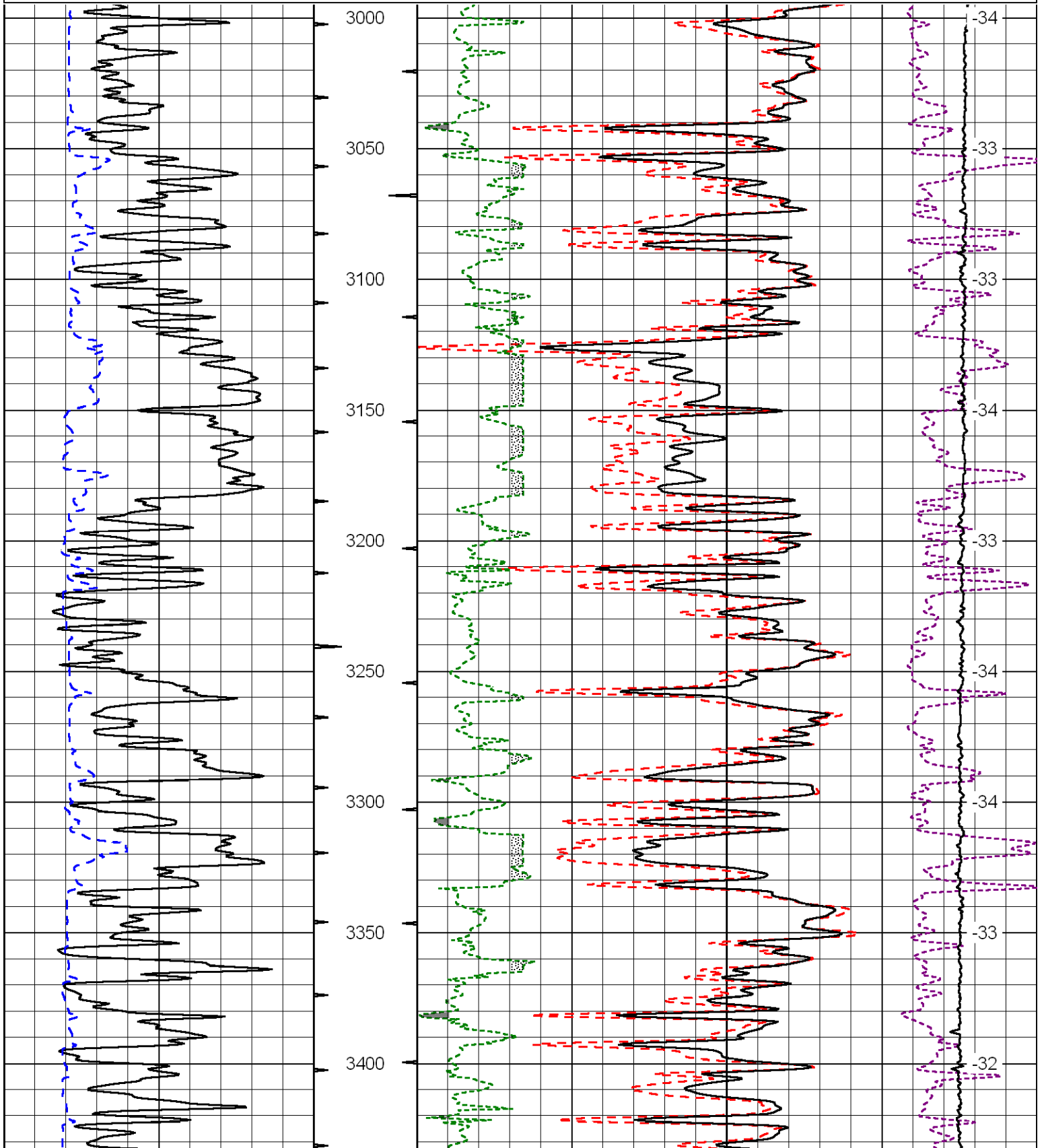
From

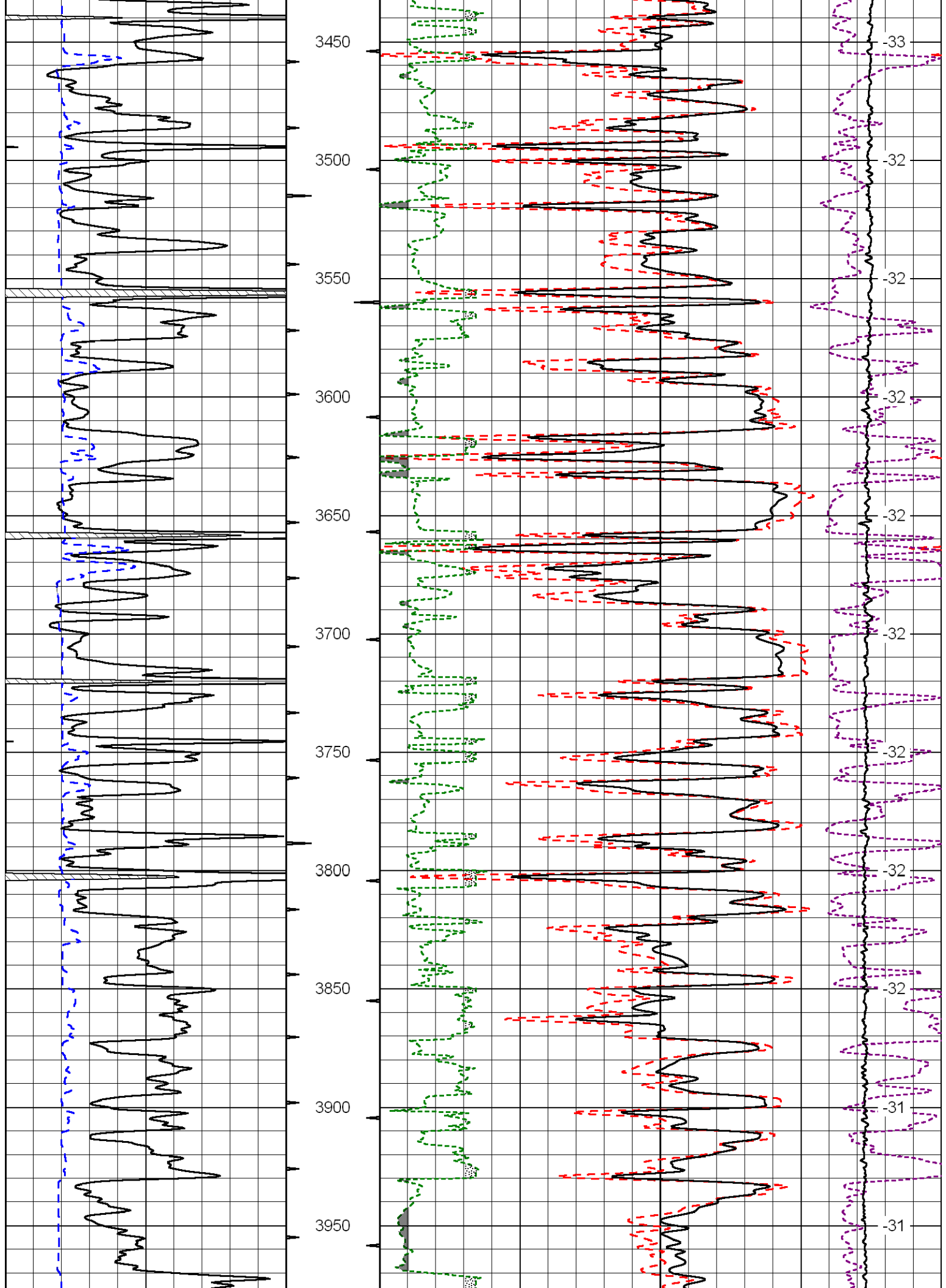
To

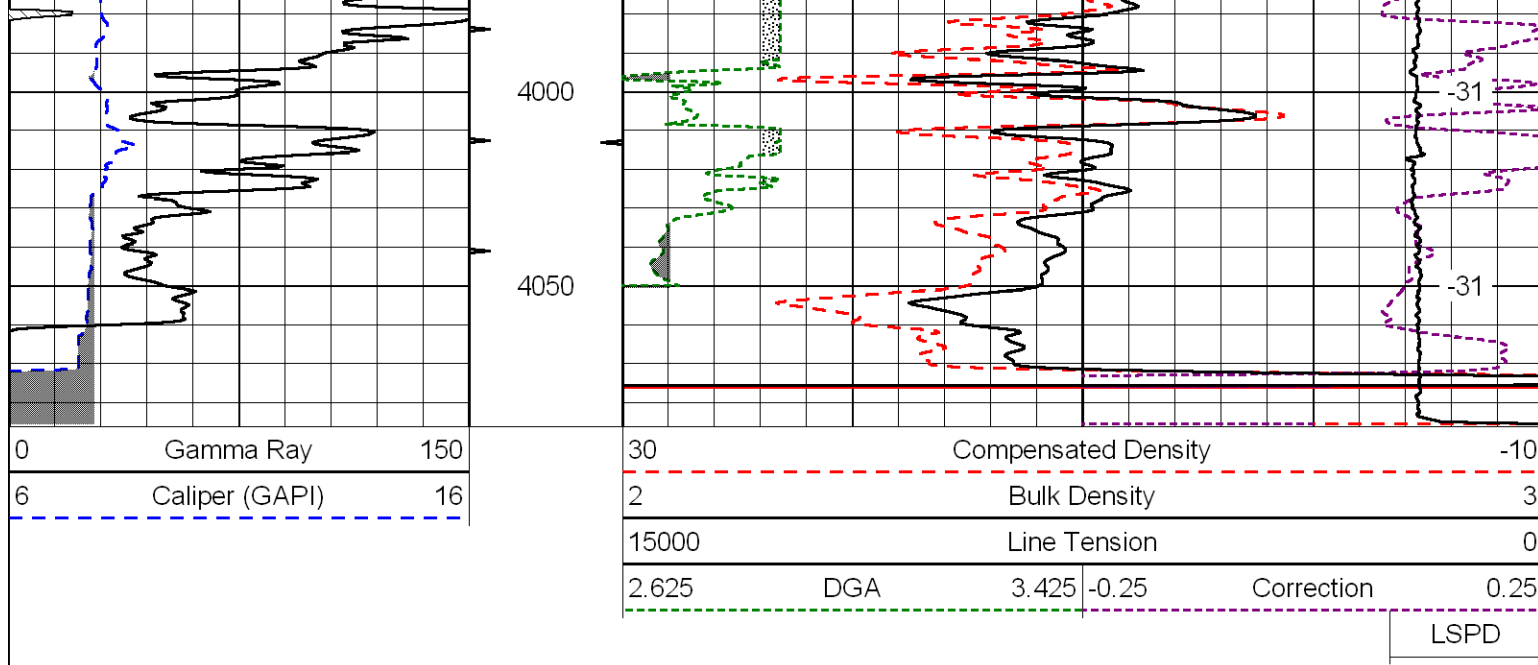


Database File: chollahd.db
Dataset Pathname: dil/chmain
Presentation Format: cdl
Dataset Creation: Tue Aug 28 02:22:48 2012
Charted by: Depth in Feet scaled 1:600

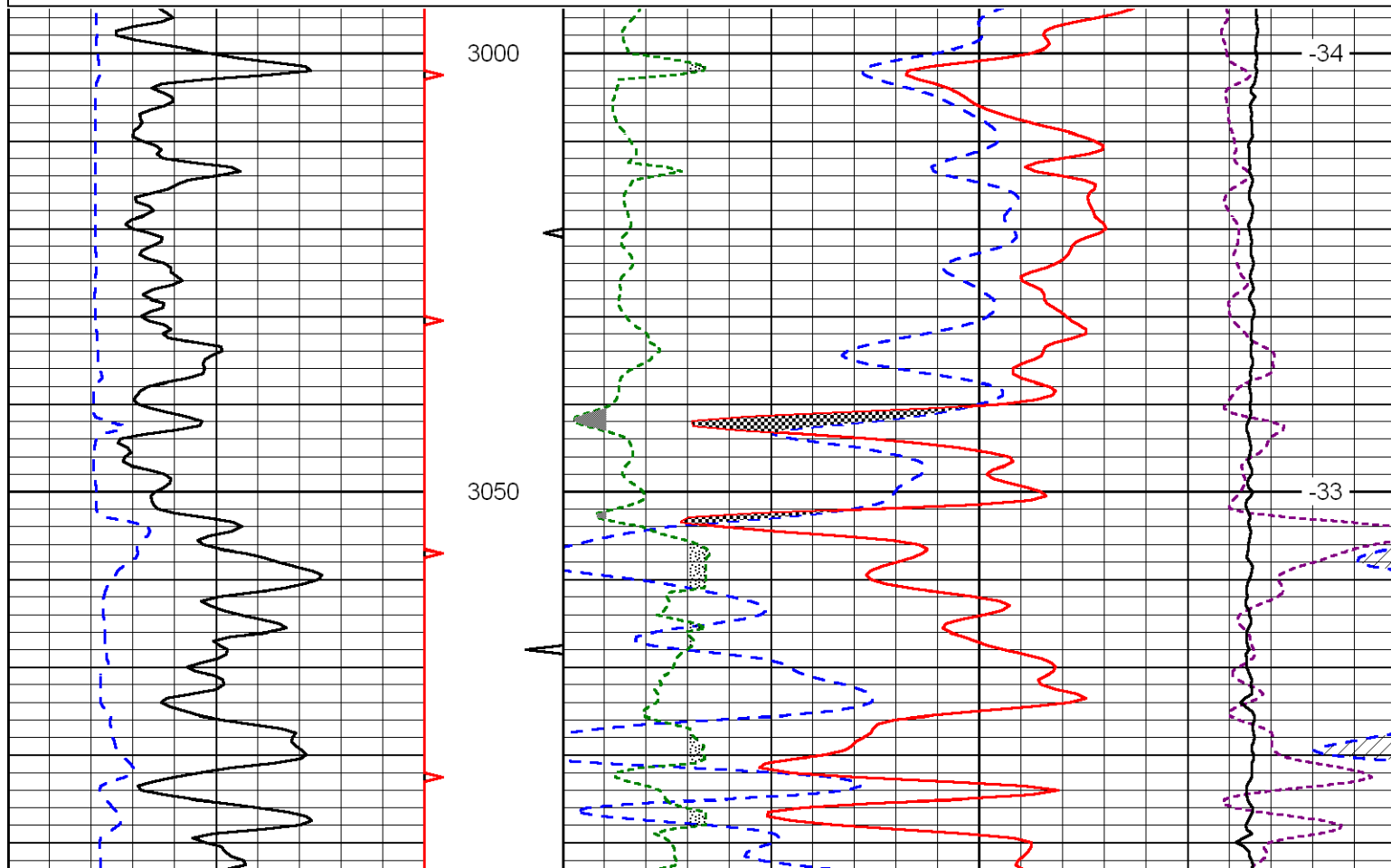
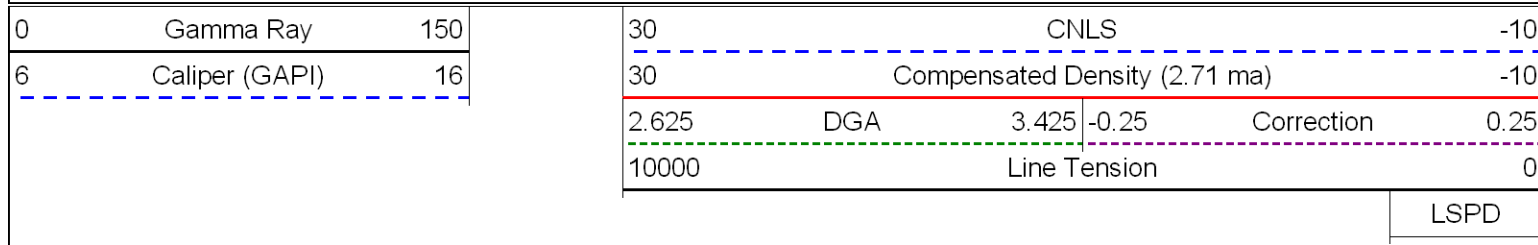
0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			2.625	DGA	3.425
			-0.25	Correction	0.25
			LSPD		

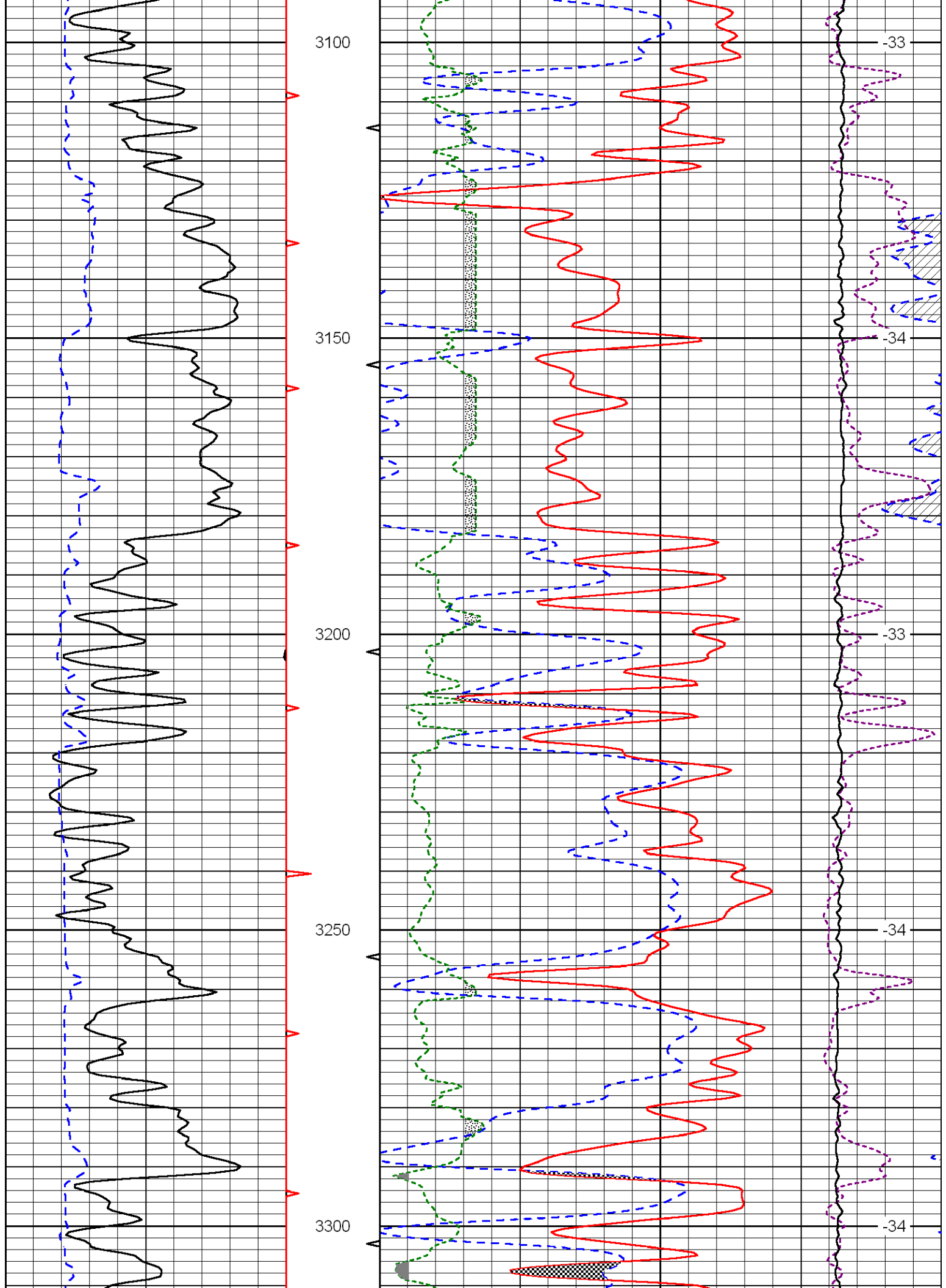


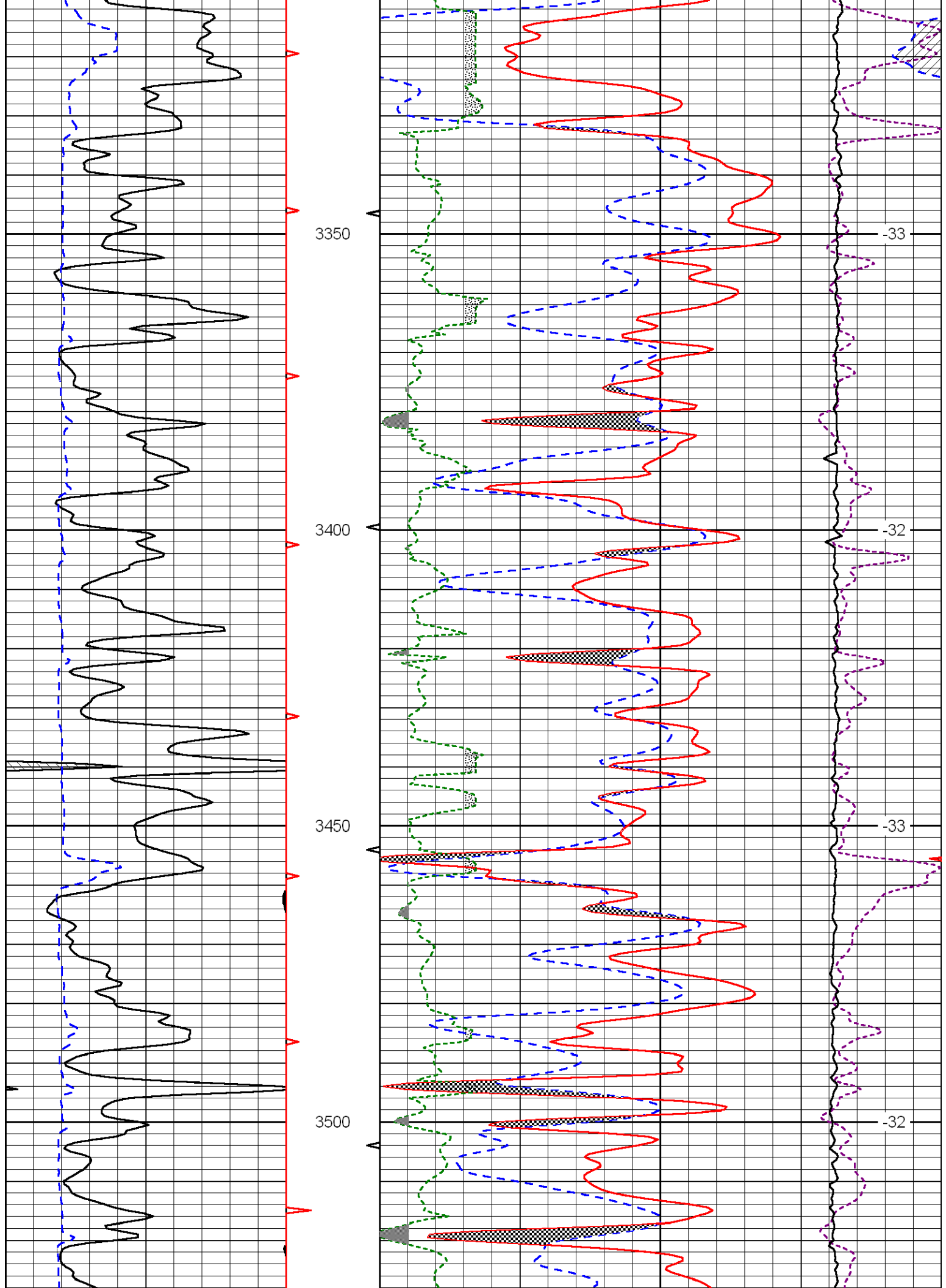


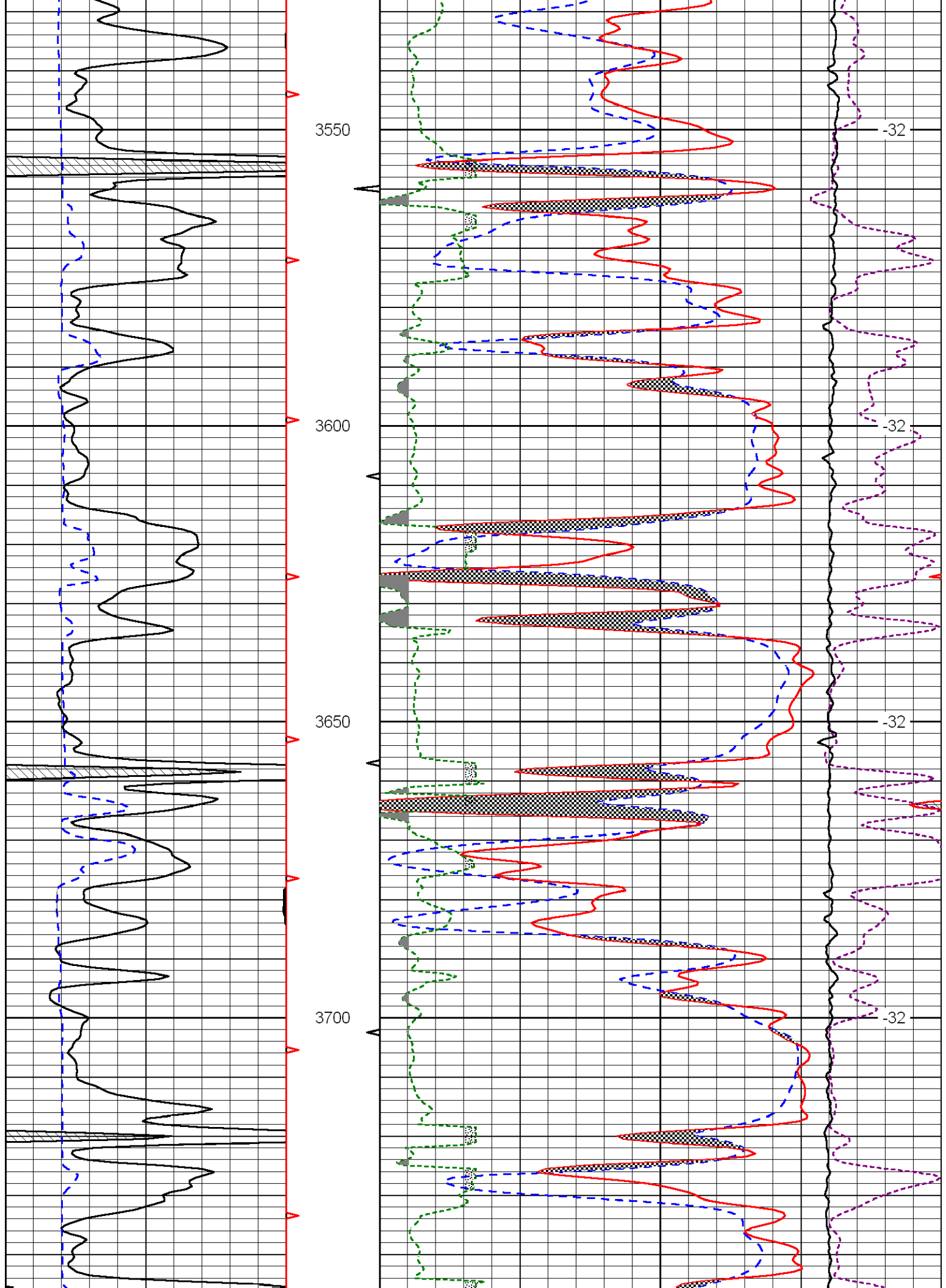


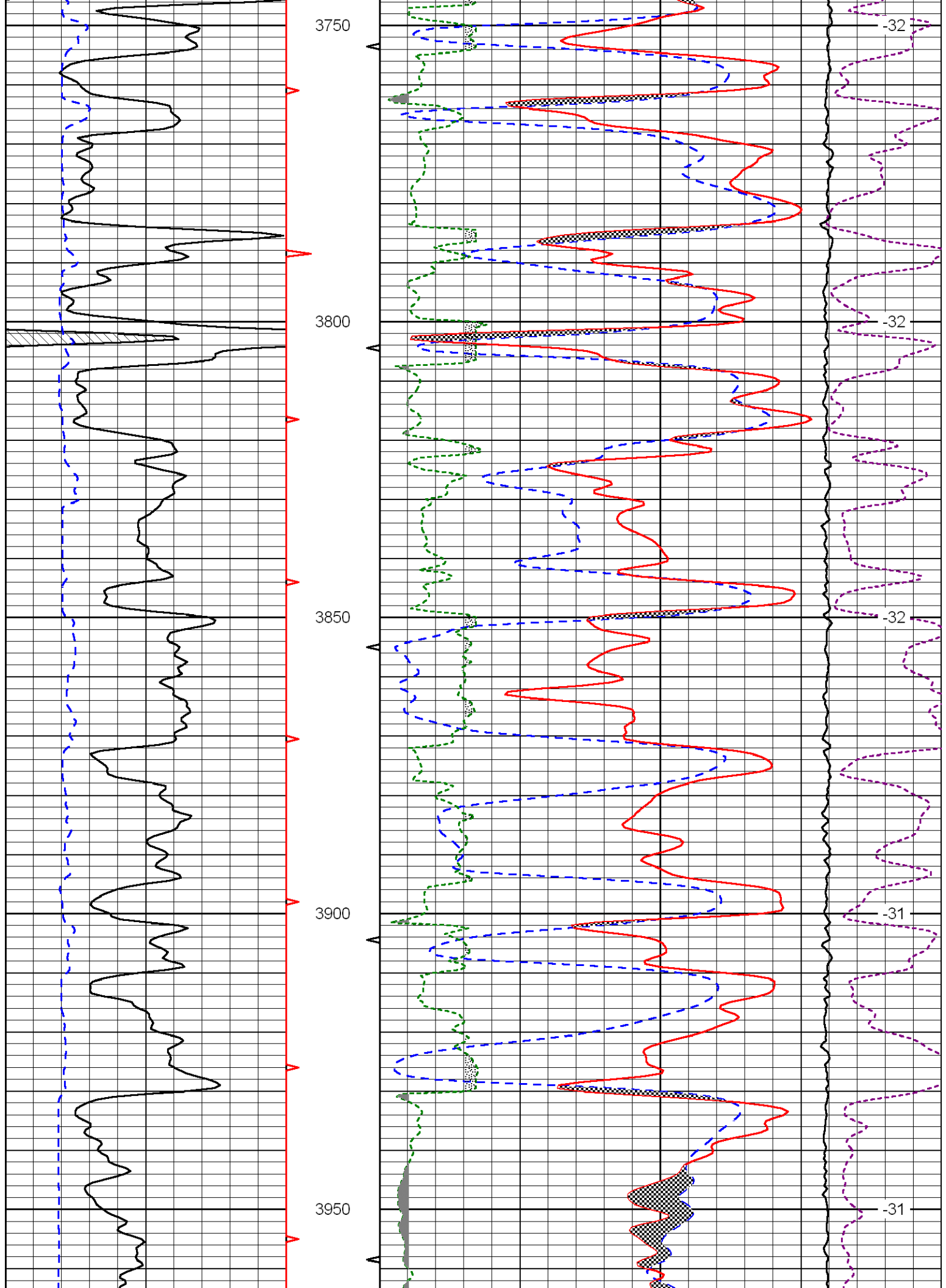
Database File: chollahd.db
 Dataset Pathname: dil/chmain
 Presentation Format: cndlspec
 Dataset Creation: Tue Aug 28 02:22:48 2012
 Charted by: Depth in Feet scaled 1:240

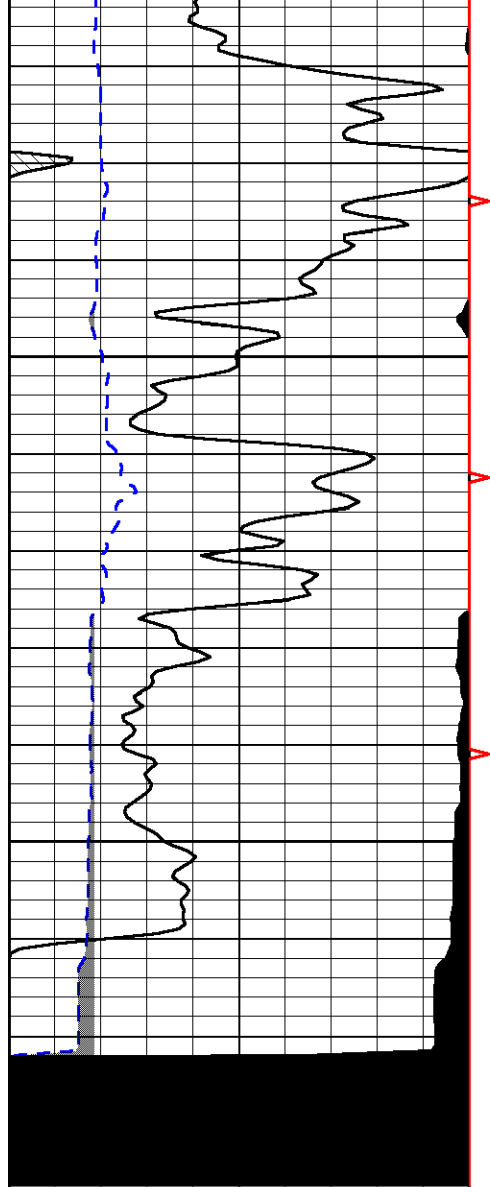








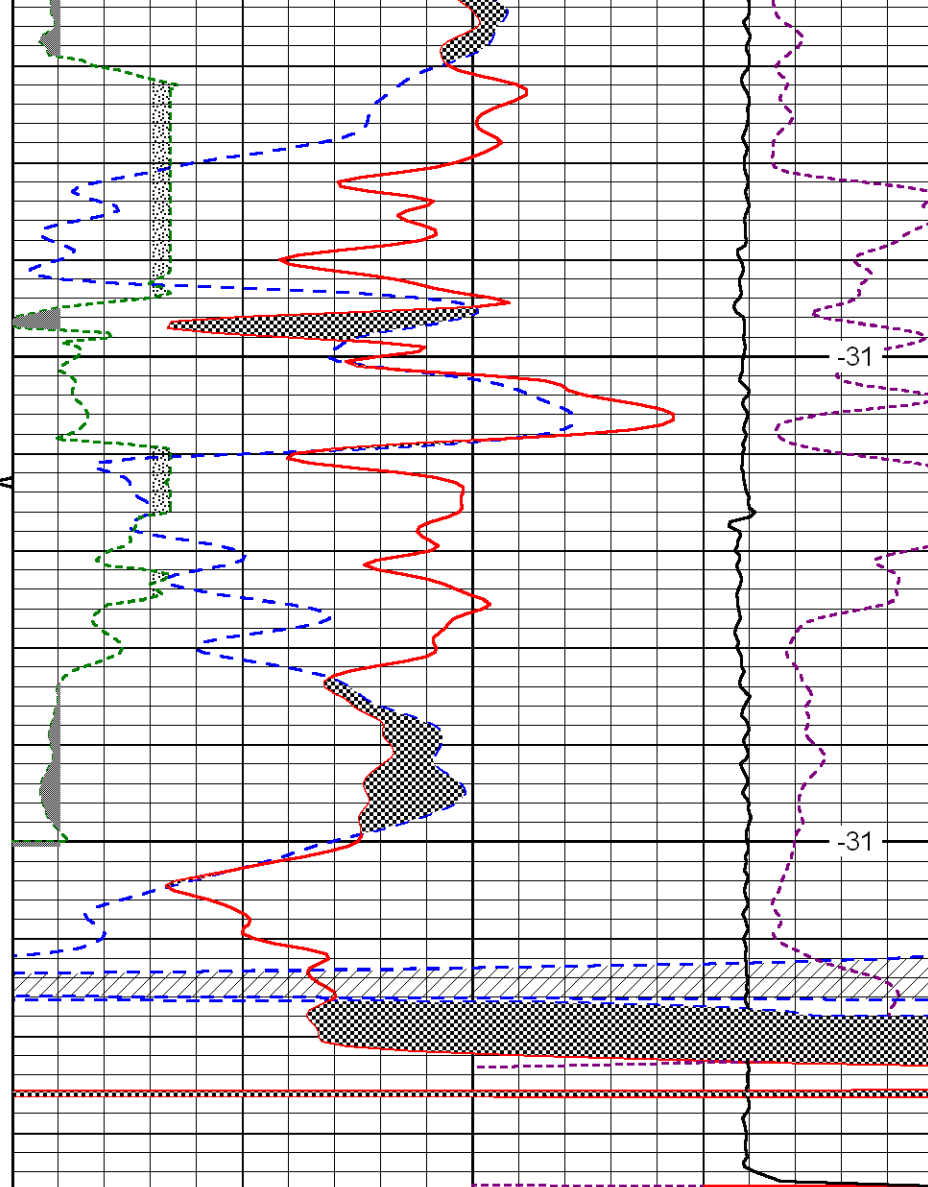




4000

4050

0	Gamma Ray	150
6	Caliper (GAPI)	16



-31

-31

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