



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-051-25917-00-00

Company Murfin Drilling Company, Inc.

Well Kraus No. 1-10

Field Wildcat

County Ellis

State Kansas

Location

2310' FNL & 800' FWL

Other Services
DIL
MEL/BHCS

Sec: 10

Twp: 14S

Rge: 19W

Elevation

Permanent Datum

Ground Level

Elevation 2210

Log Measured From Kelly Bushing

5 Ft. Above Perm. Datum

K.B. 2215
D.F.
G.L. 2210

Date

10/19/2009

Run Number

One

Type Log

CNL / CDL

Depth Driller

3940

Depth Logger

3942

Bottom Logged Interval

3921

Top Logged Interval

3100

Type Fluid In Hole

Chemical

Salinity, PPM CL

5,000

Density

9.1

Level

Full

Max. Rec. Temp. F

117

Operating Rig Time

5 Hours

Equipment -- Location

10 Hays

Recorded By

Jason Wellbrock

Witnessed By

Paul Gunzelman

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

220

8.625

24#

00

220

2

7.875

220

3940

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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.

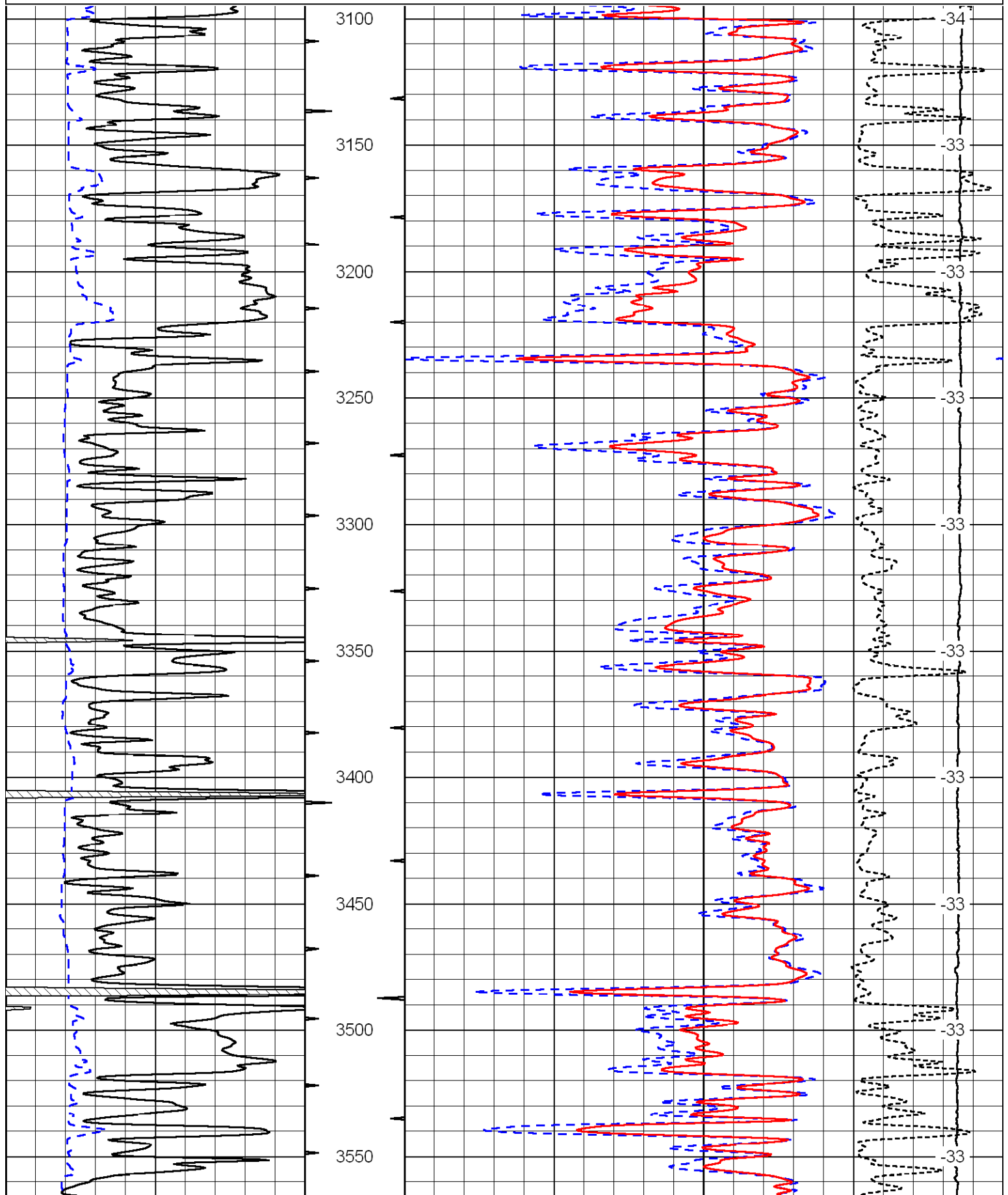
Comments

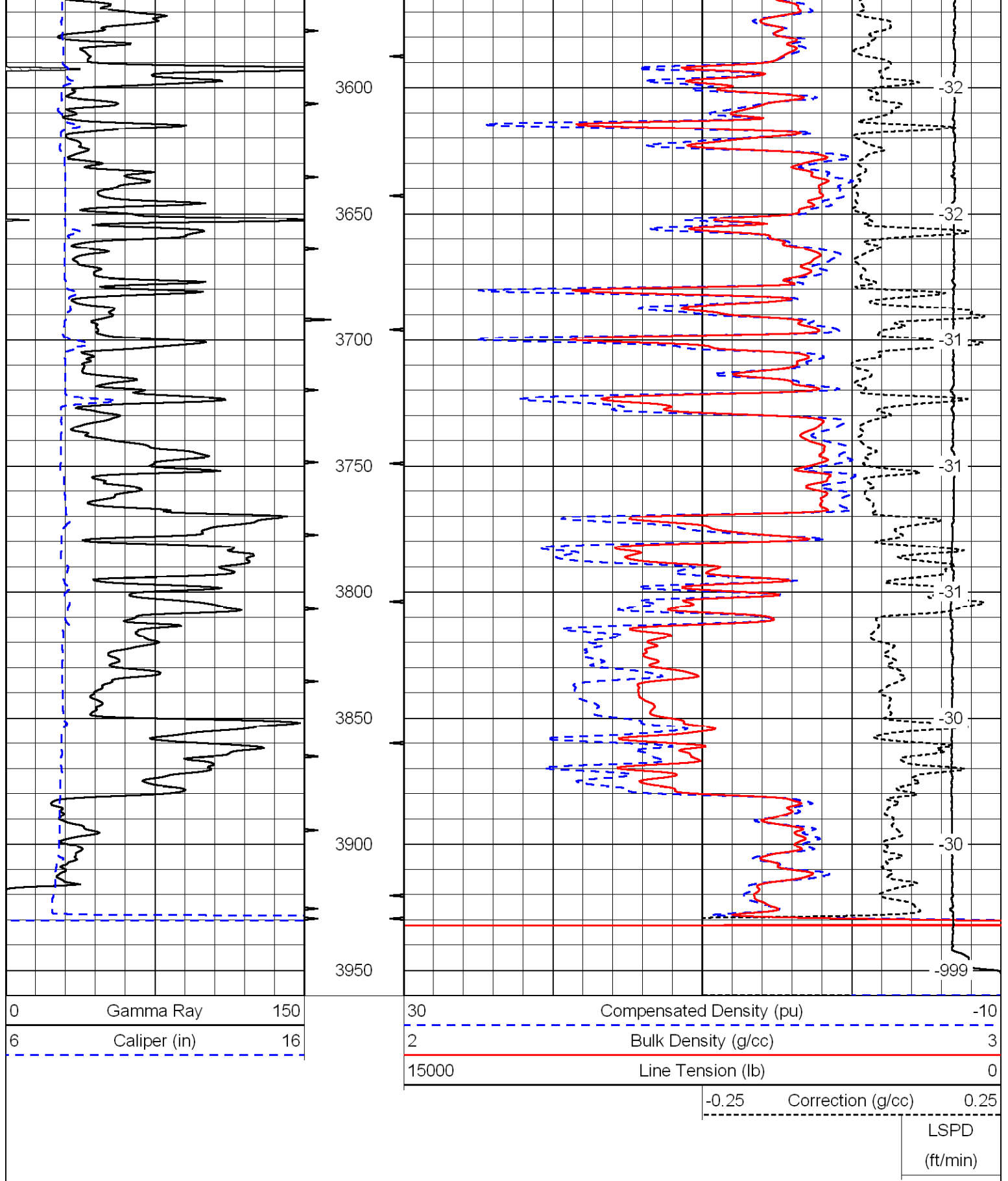
Thank you for using Log-Tech, Inc.
(785) 625-3858

Hays W 4 on Gulf Course rd, 1/2 S, E Into

Database File: c:\warrior\data\murfin_kraus#1-10\murfhd.db
Dataset Pathname: dil\murf2in
Presentation Format: cdl
Dataset Creation: Mon Oct 19 20:43:55 2009
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150	30	Compensated Density (pu)		-10
6	Caliper (in)	16	2	Bulk Density (g/cc)		3
			15000	Line Tension (lb)		0
				-0.25	Correction (g/cc)	0.25
					LSPD	
					(ft/min)	

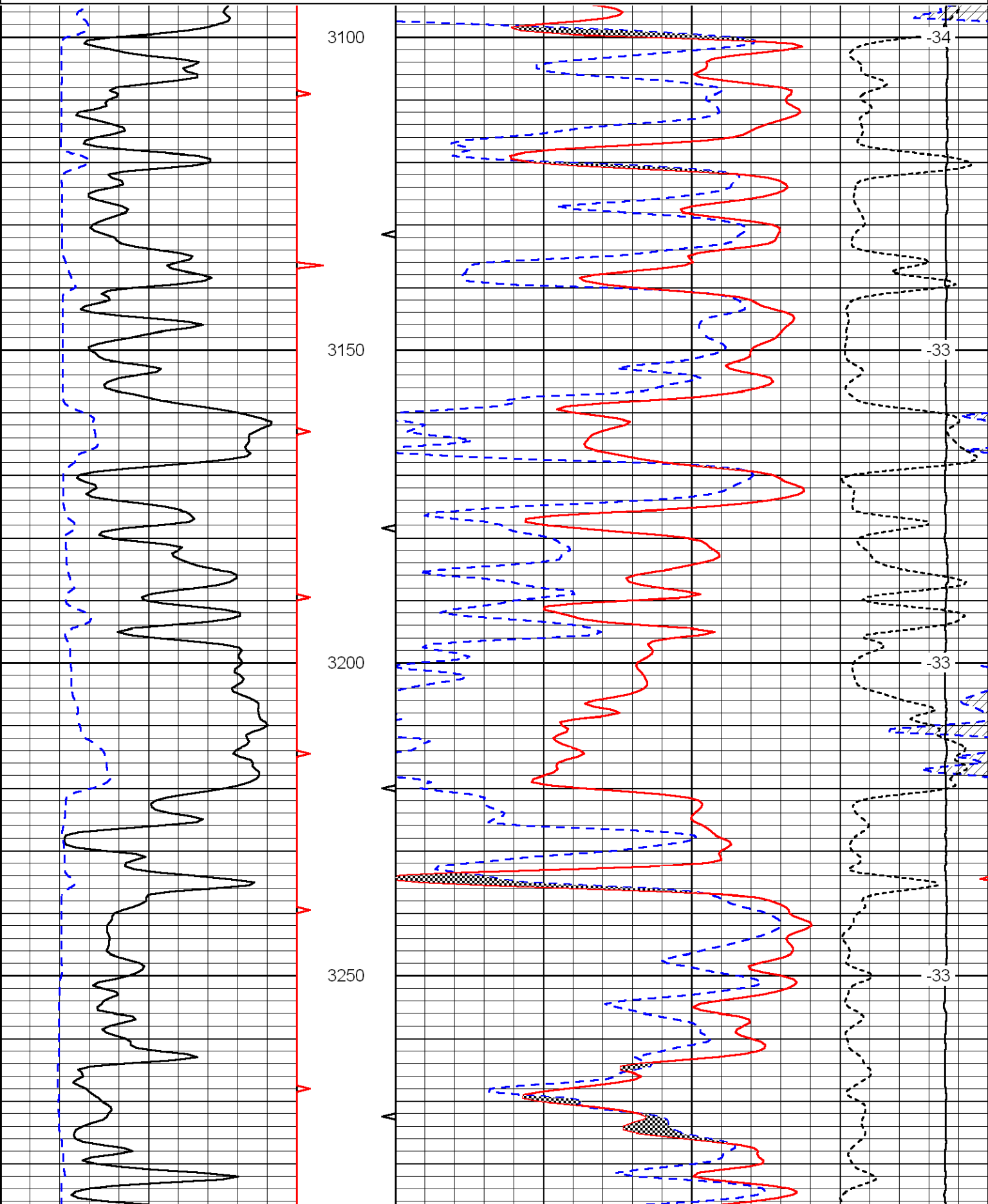


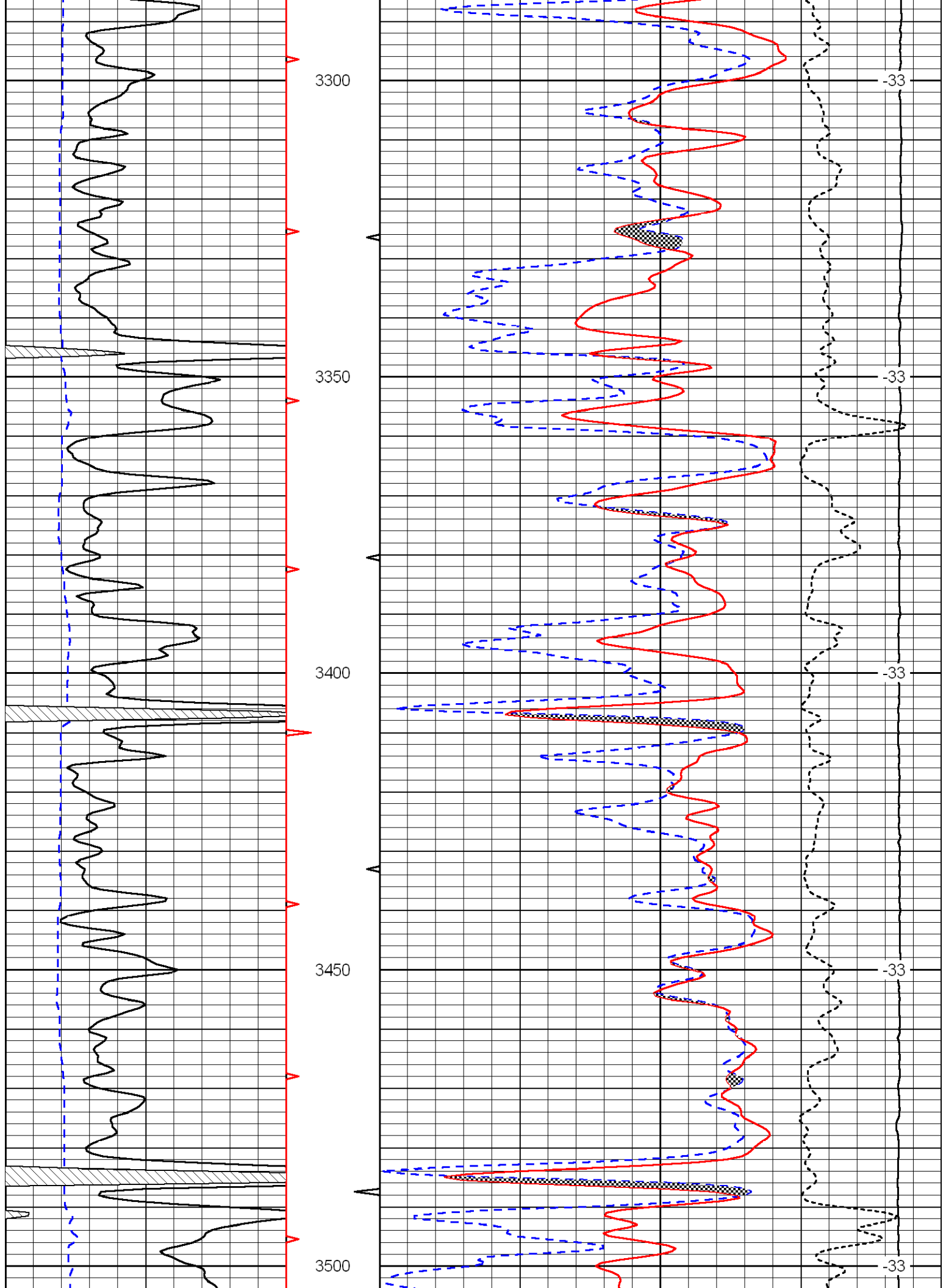


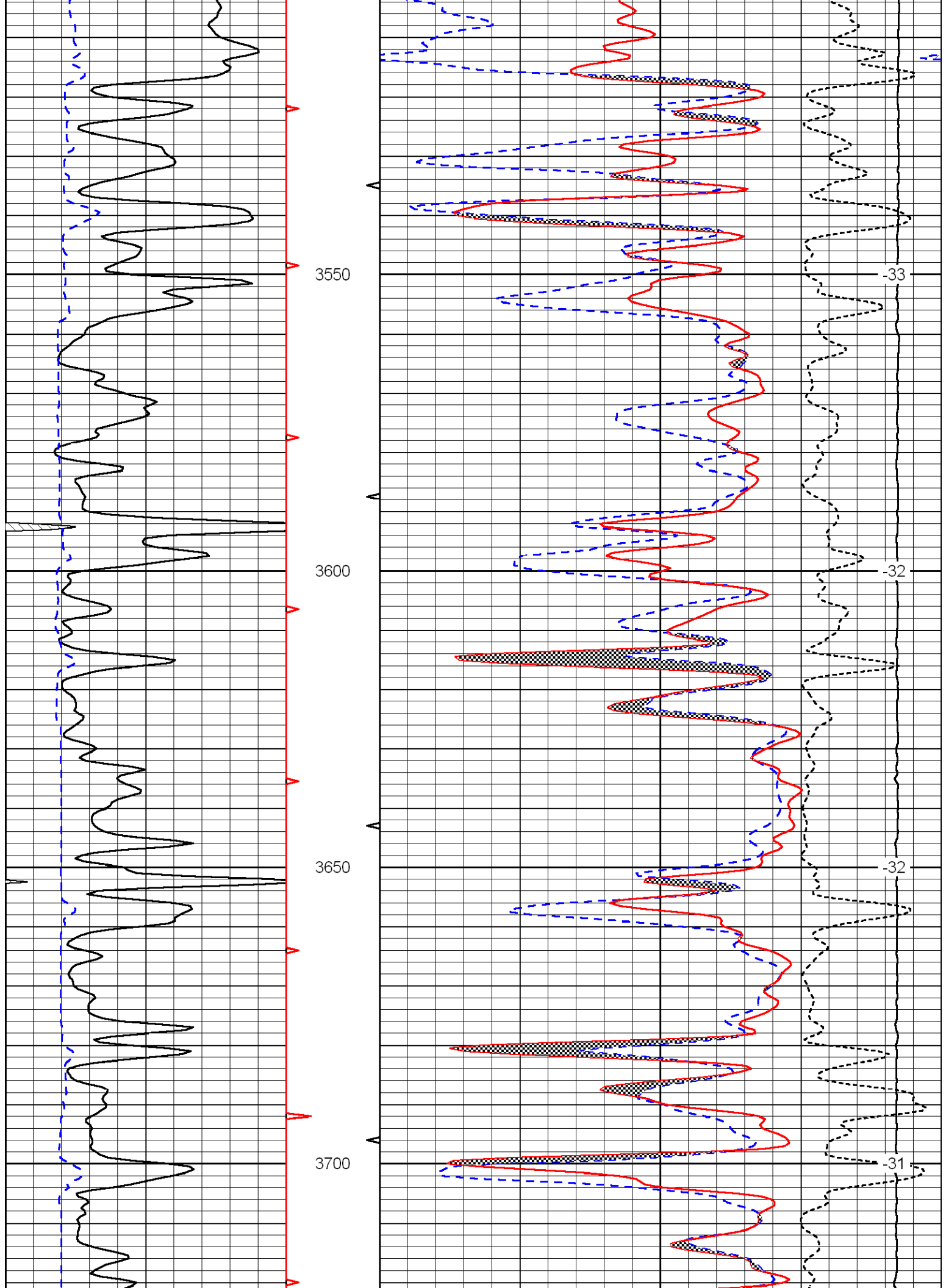
Database File: c:\warrior\data\murfin_kraus#1-10\murfhd.db
Dataset Pathname: dil/murf2in
Presentation Format: cndlspec
Dataset Creation: Mon Oct 19 20:43:55 2009
Charted by: Depth in Feet scaled 1:240

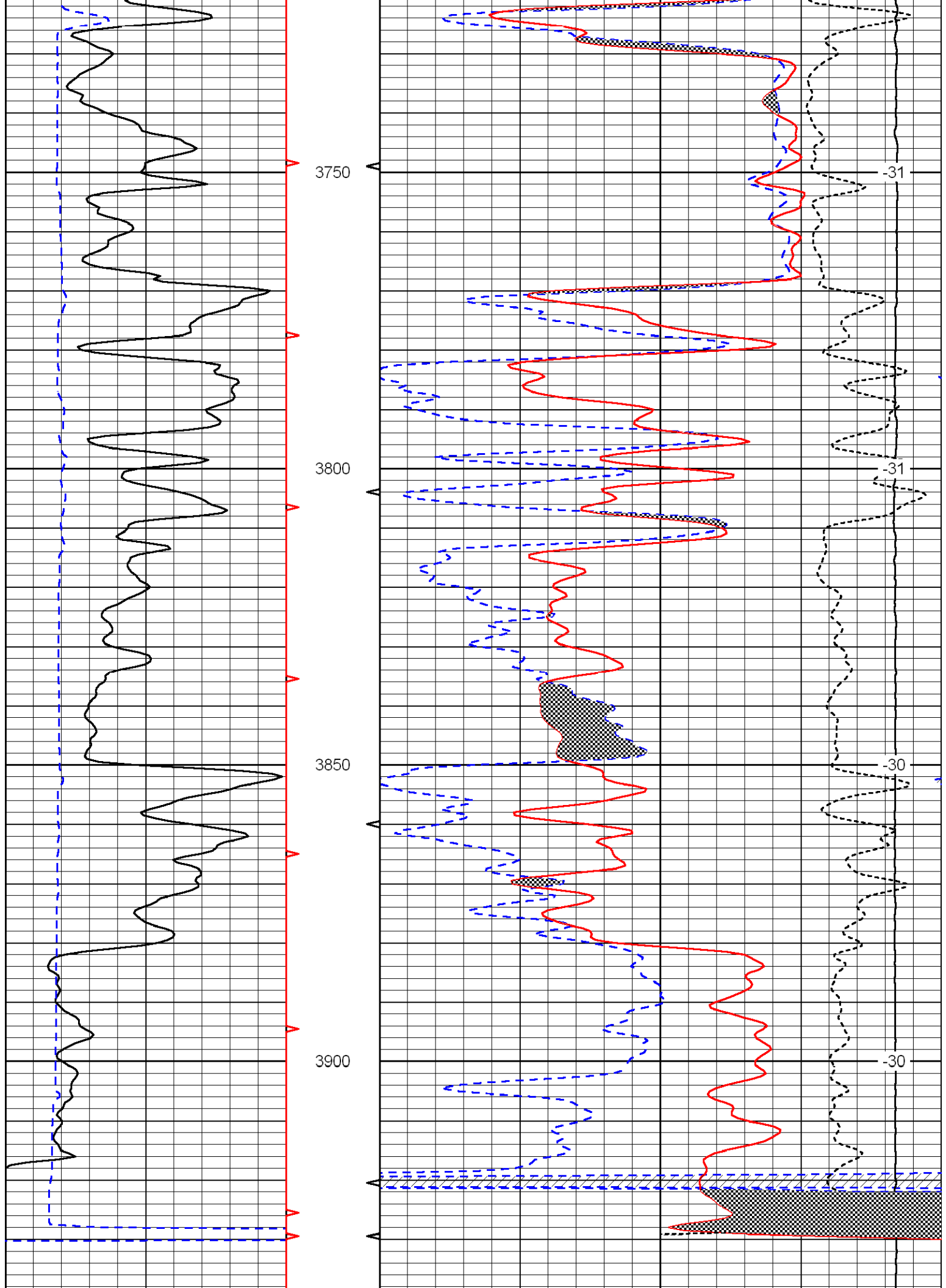
0 Gamma Ray 150 30 Compensated Neutron (Limestone) (pu) -10

6	Caliper (in)	16
30	Compensated Density (2.71 ma) (pu)	
15000	Line Tension (lb)	
	-0.25	Correction (g/cc)
	LSPD	
	(ft/min)	









			3950			-999		
0	Gamma Ray	150	30	Compensated Neutron (Limestone) (pu)	-10			
6	Caliper (in)	16	30	Compensated Density (2.71 ma) (pu)	-10			
			15000	Line Tension (lb)	0			
				-0.25	Correction (g/cc)	0.25		
							LSPD (ft/min)	