



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-23,986-00-00

Company Prater Oil & Gas Operations, Inc.

Well Banks #3

Field Amber Creek Pool

County Barber State Kansas

Location

330' FSL & 1,650' FEL
C SE SW SE

Other Services
DIL

Sec: 36 Twp: 30S Rge: 12W

Permanent Datum Ground Level Elevation 1648
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1657
D.F. 1648
G.L. 1648

Date 3/9/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4470

Depth Logger 4469

Bottom Logged Interval 4448

Top Logged Interval 3300

Type Fluid In Hole Chemical

Salinity, PPM CL 5500

Density 9.1

Level Full

Max. Rec. Temp. F 121

Operating Rig Time 2 1/2 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Scott Alberg

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 264 8.625 24# 00 264

2 7.875 264 4470

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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.

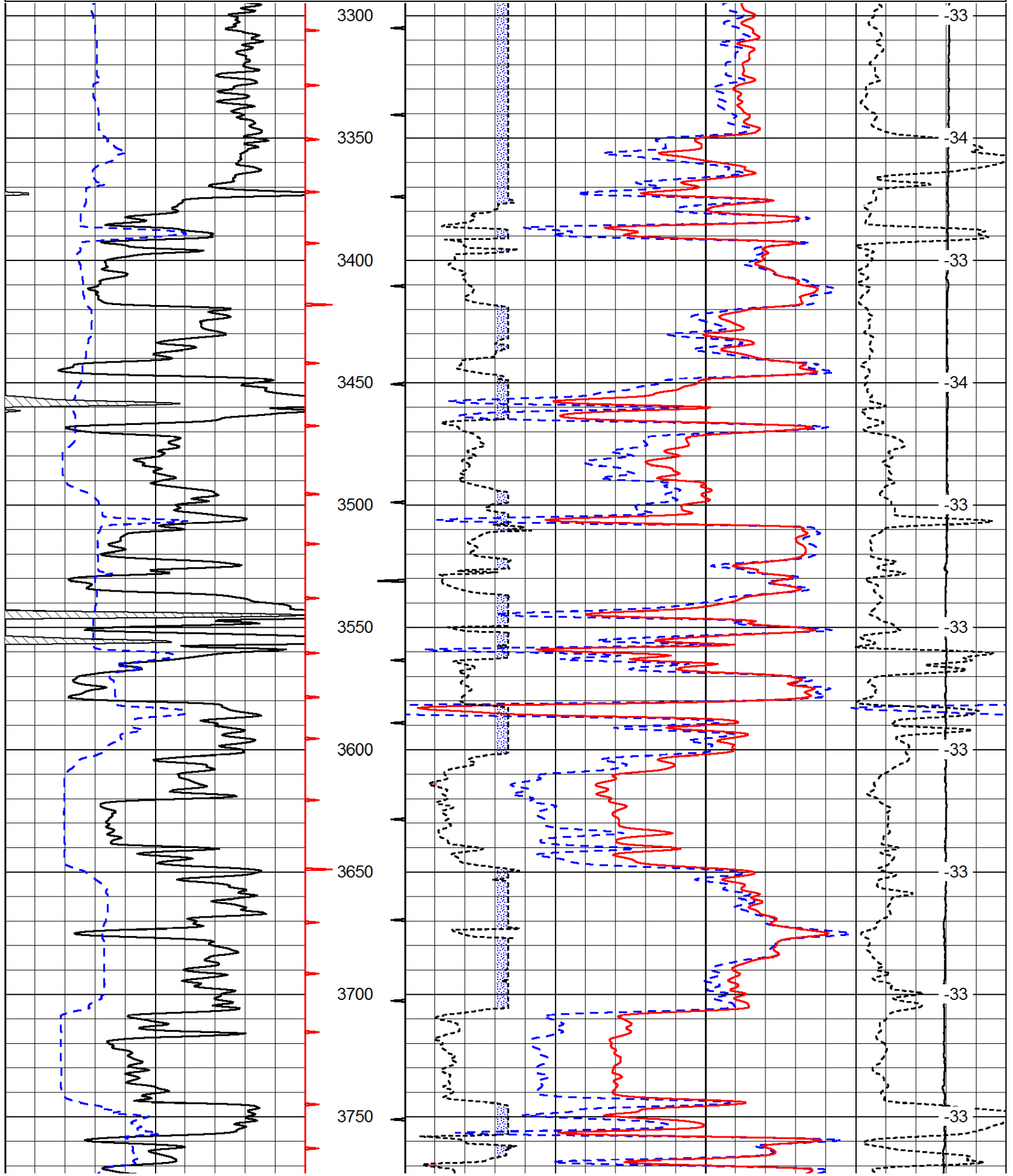
Comments

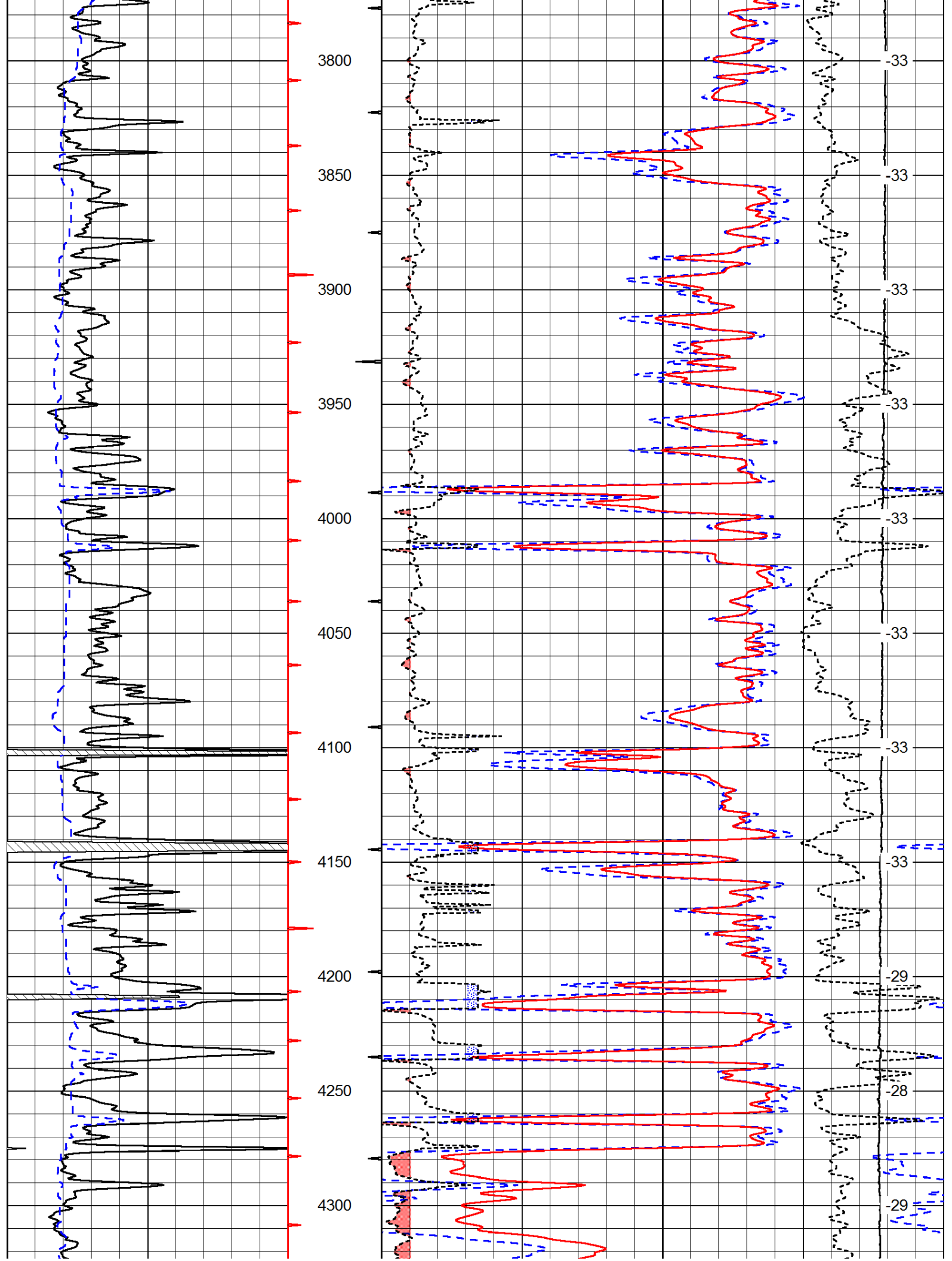
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

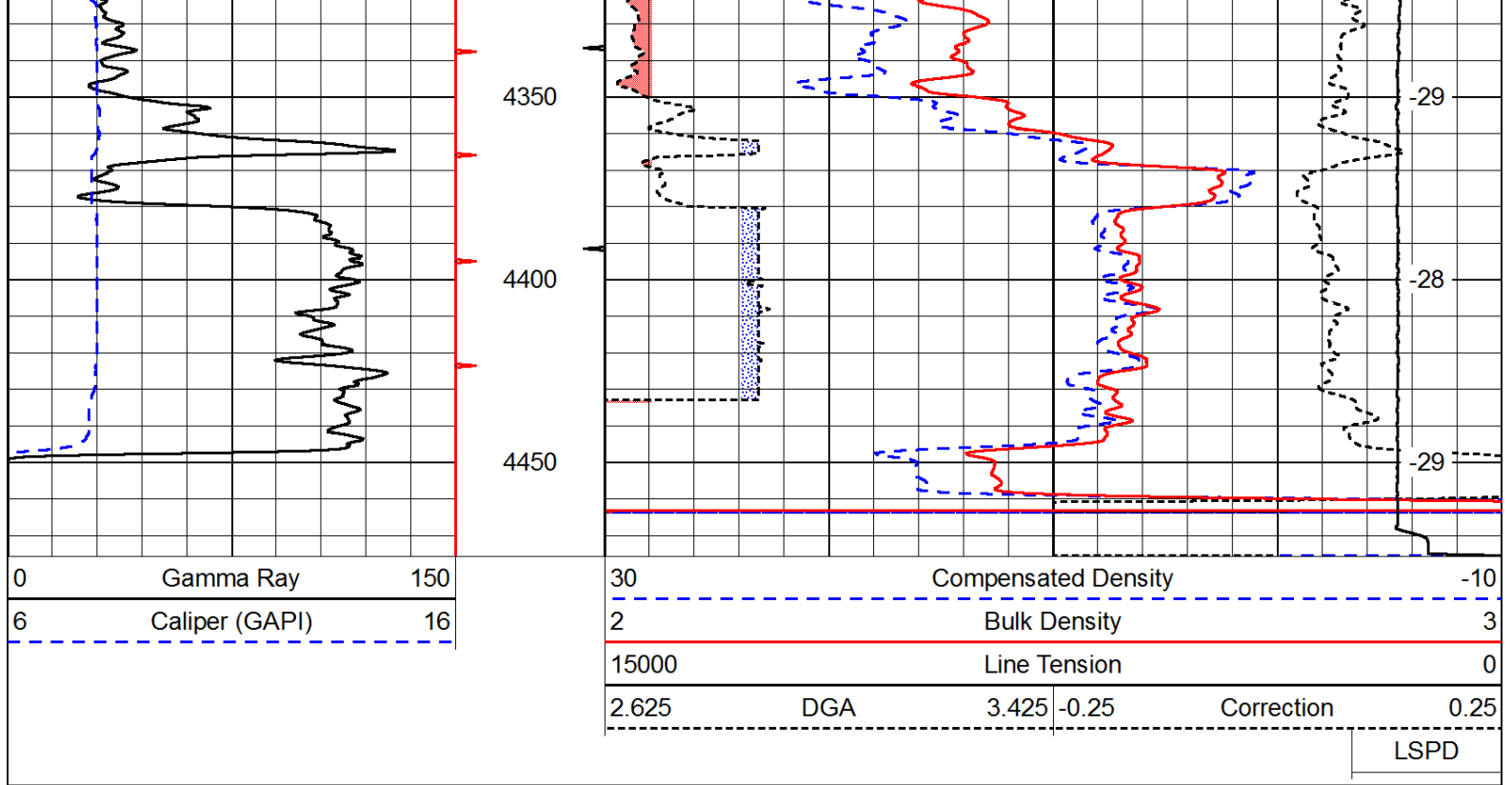
Sawyer, South to 99 Spring Road (Resort Road), 1/2 East, 3/4 South, North Into

Database File: c:\warrior\data\prater_banks #3\prater_banks_3hd.db
Dataset Pathname: dil/pratstck
Presentation Format: cdl
Dataset Creation: Sun Mar 10 00:44:40 2013
Charted by: Depth in Feet scaled 1:600

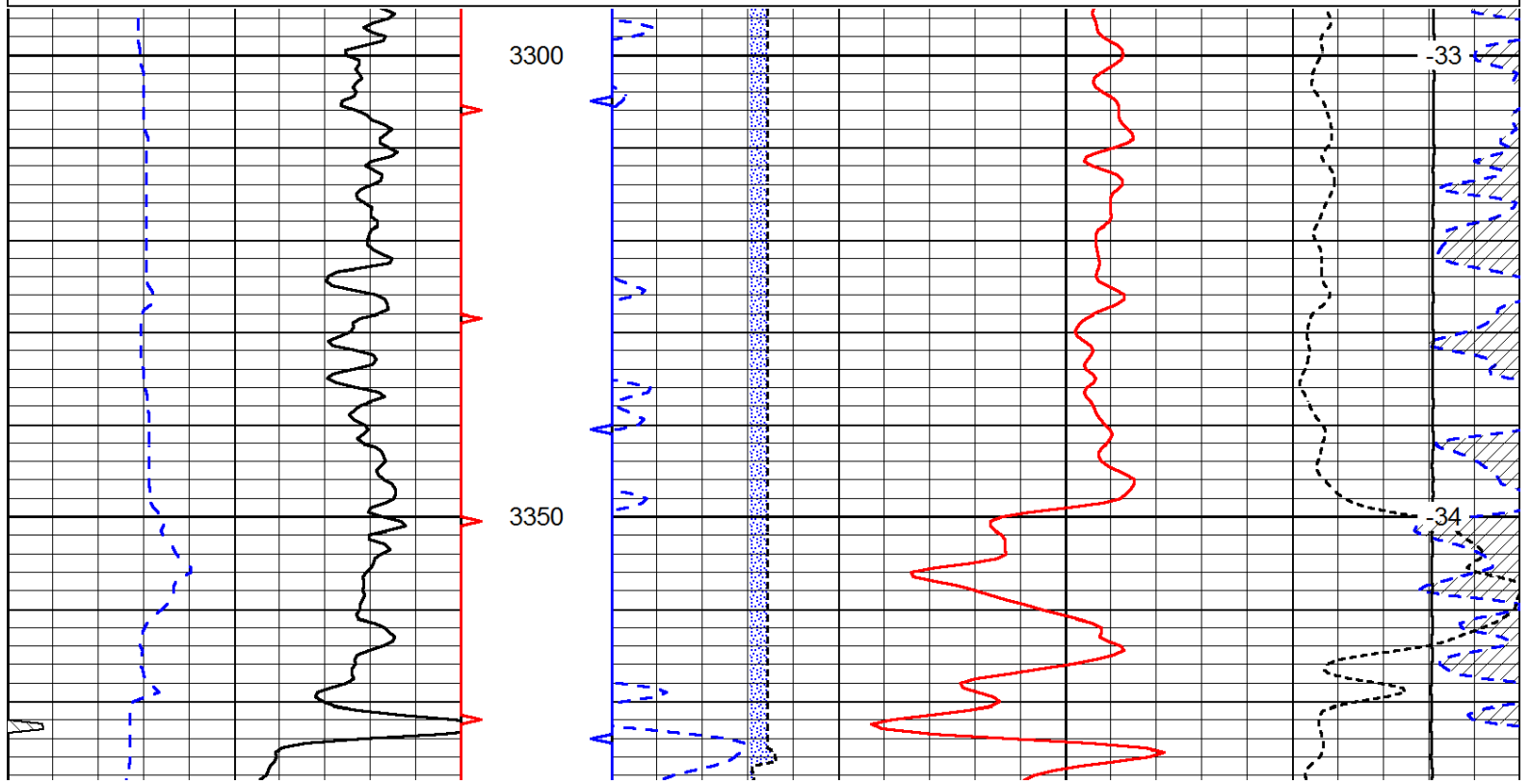
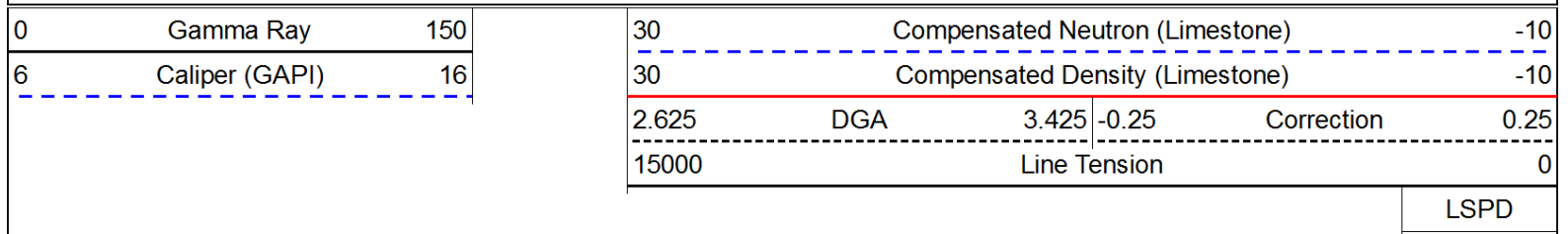
Charted by: Depth in Feet scaled 1:600					
0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			2.625	DGA	3.425
			-0.25	Correction	0.25
			LSPD		

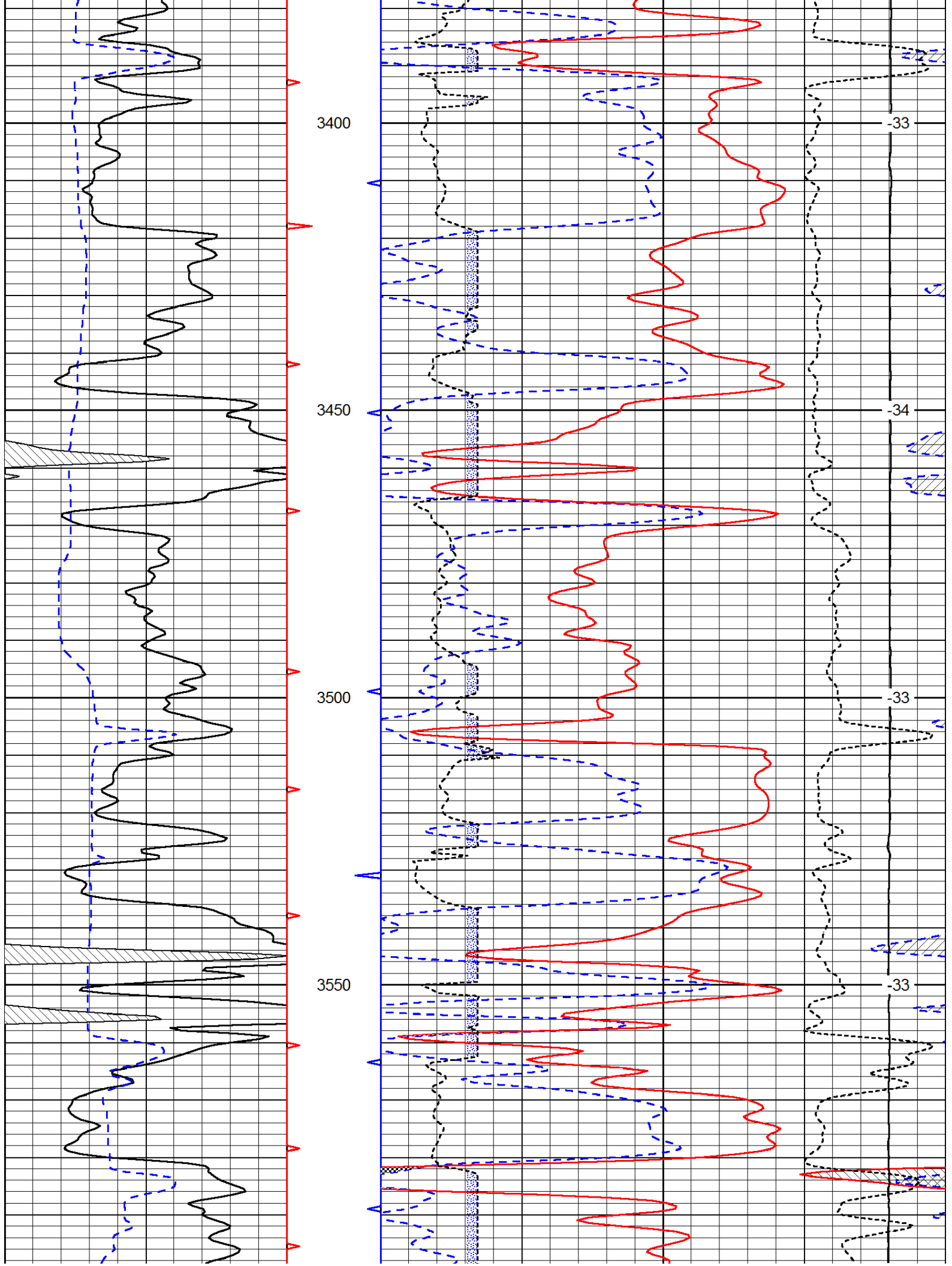


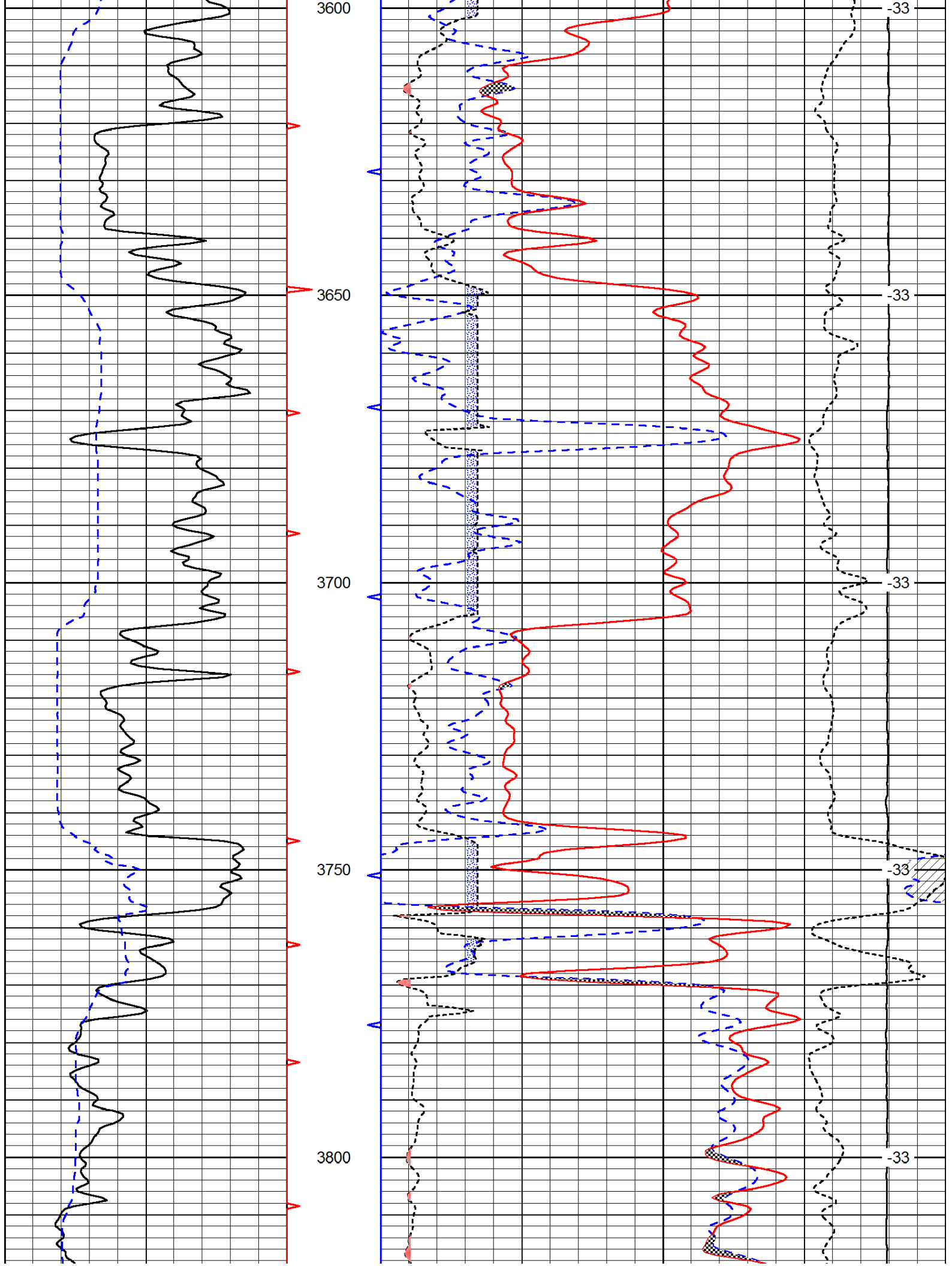


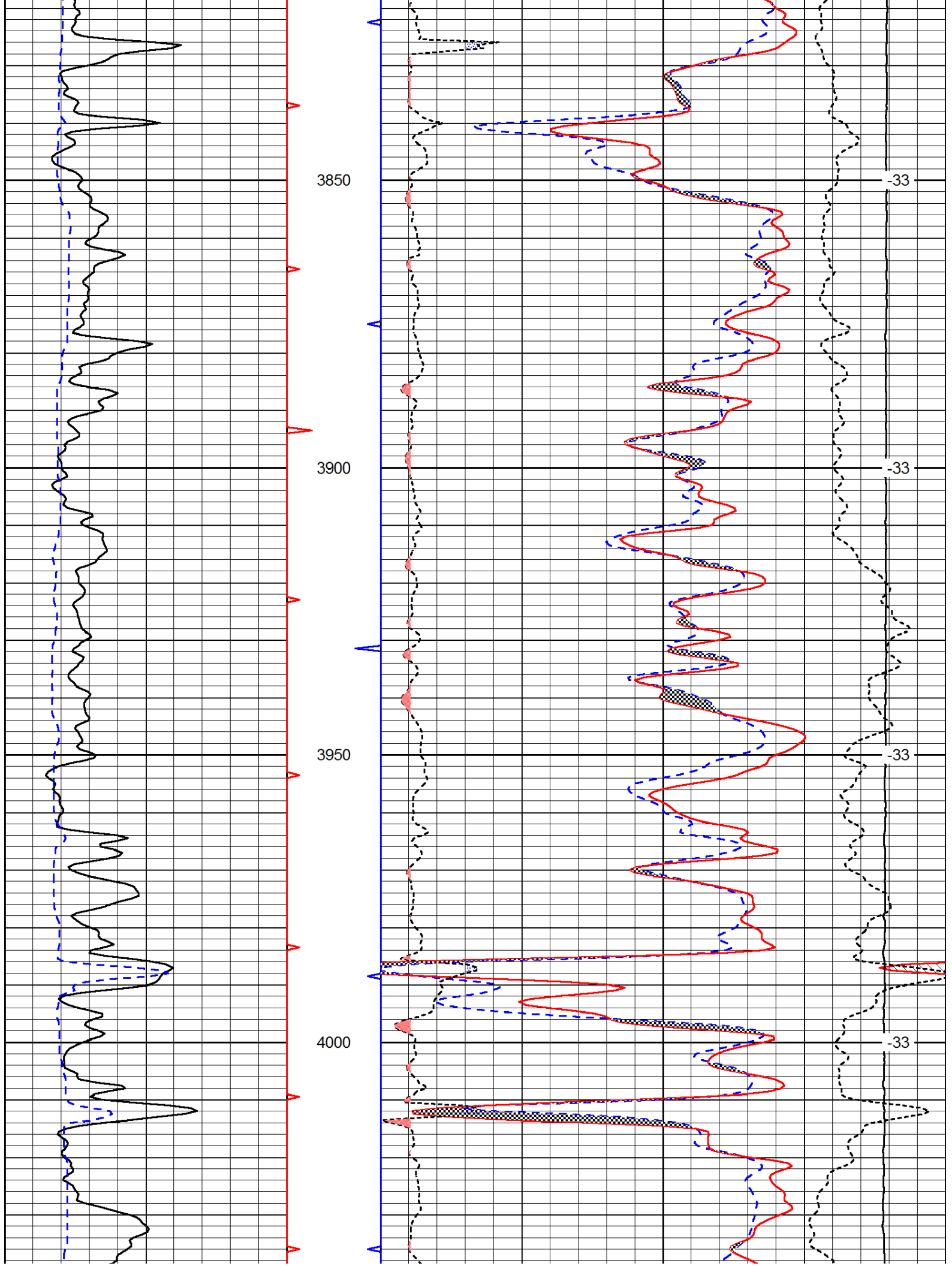


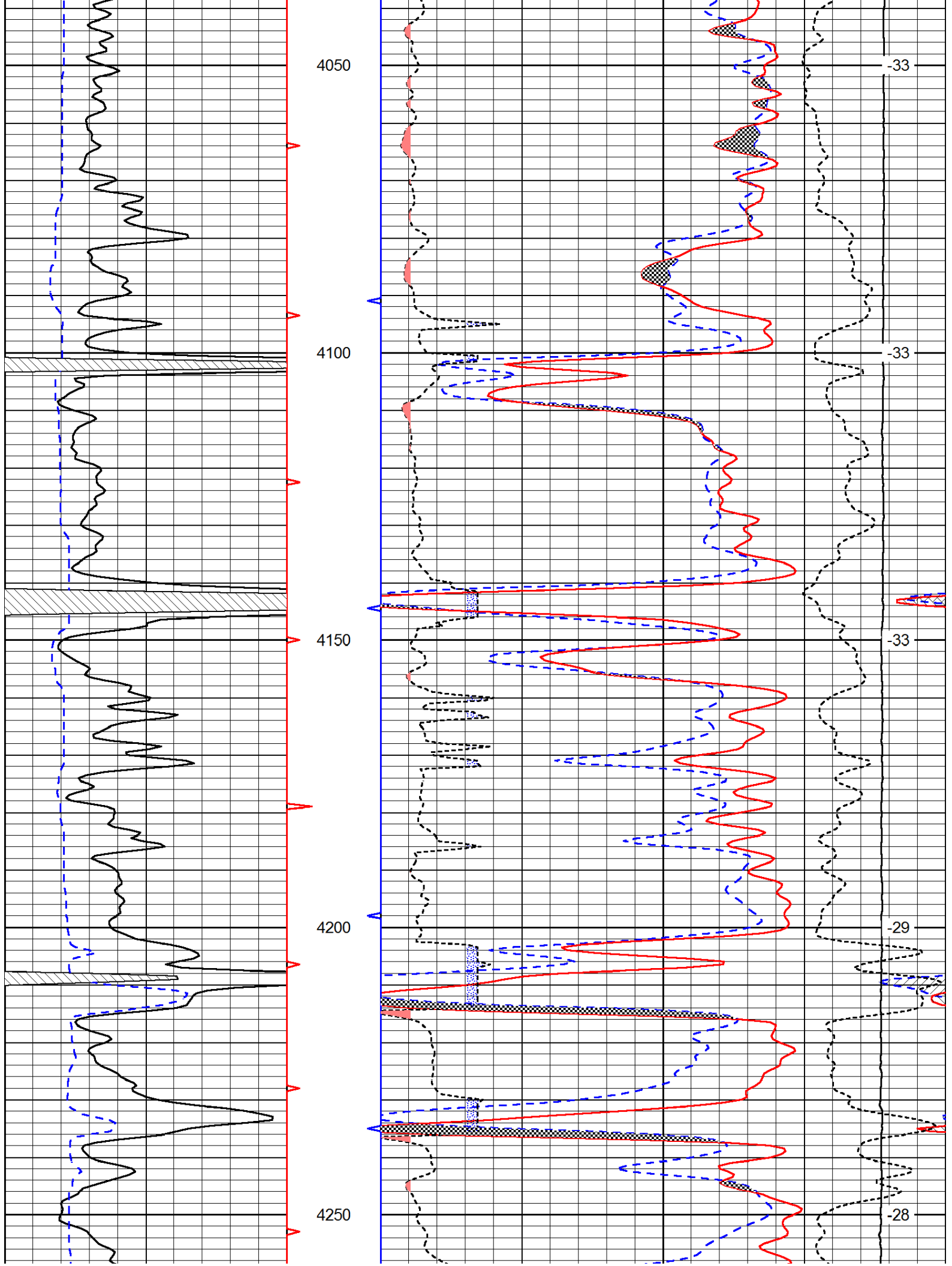
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Dataset Creation: Sun Mar 10 00:44:40 2013
Charted by: Depth in Feet scaled 1:240

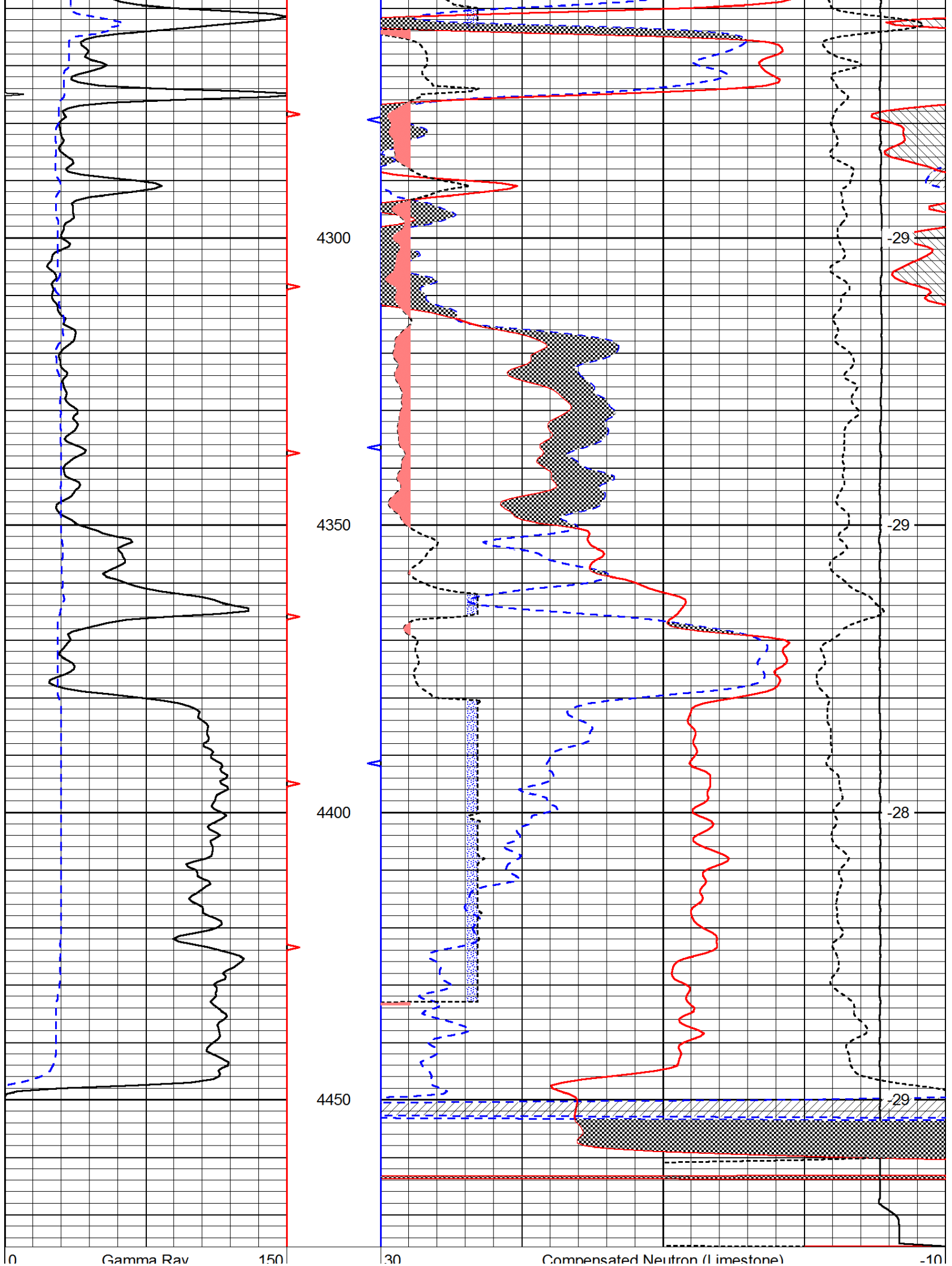












	Gamma Ray	100
6	Caliper (GAPI)	16

Compensated Density (Limestone)					
30	Compensated Density (Limestone)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
Line Tension					
15000					0
					LSPD