



Borehole Compensated Sonic Log

Pioneer Energy Services

API No.

15-009-26,060-00-00

Company F.G. Holl Company, LLC

Well Roberts/Phillips Unit No. 1-6

Field Wildcat

County Barton

State Kansas

Location 1620' FNL & 285' FEL

Sec: 6

Twp: 19s

Rge: 13w

Other Services
CNL/CDL
MEL/DIL

Permanent Datum Ground Level Elevation 1876

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

K.B. 1884
D.F.
G.L. 1876

Date 12/5/2014

Run Number Two

Type Log BHC Sonic

Depth Driller 3650

Depth Logger 3649

Bottom Logged Interval 3638

Top Logged Interval 800

Type Fluid In Hole Chemical

Salinity, PPM CL 4800

Density 9.3

Level Full

Max. Rec. Temp. F 113

Operating Rig Time

Equipment -- Location 108 Hays

Recorded By D. Fischer

Witnessed By Rene Husted

Borehole Record

Run No Bit From To Size Wgt. From To

One 12.25 00 829 8.625 23# 00 829

Two 7.875 829 TD

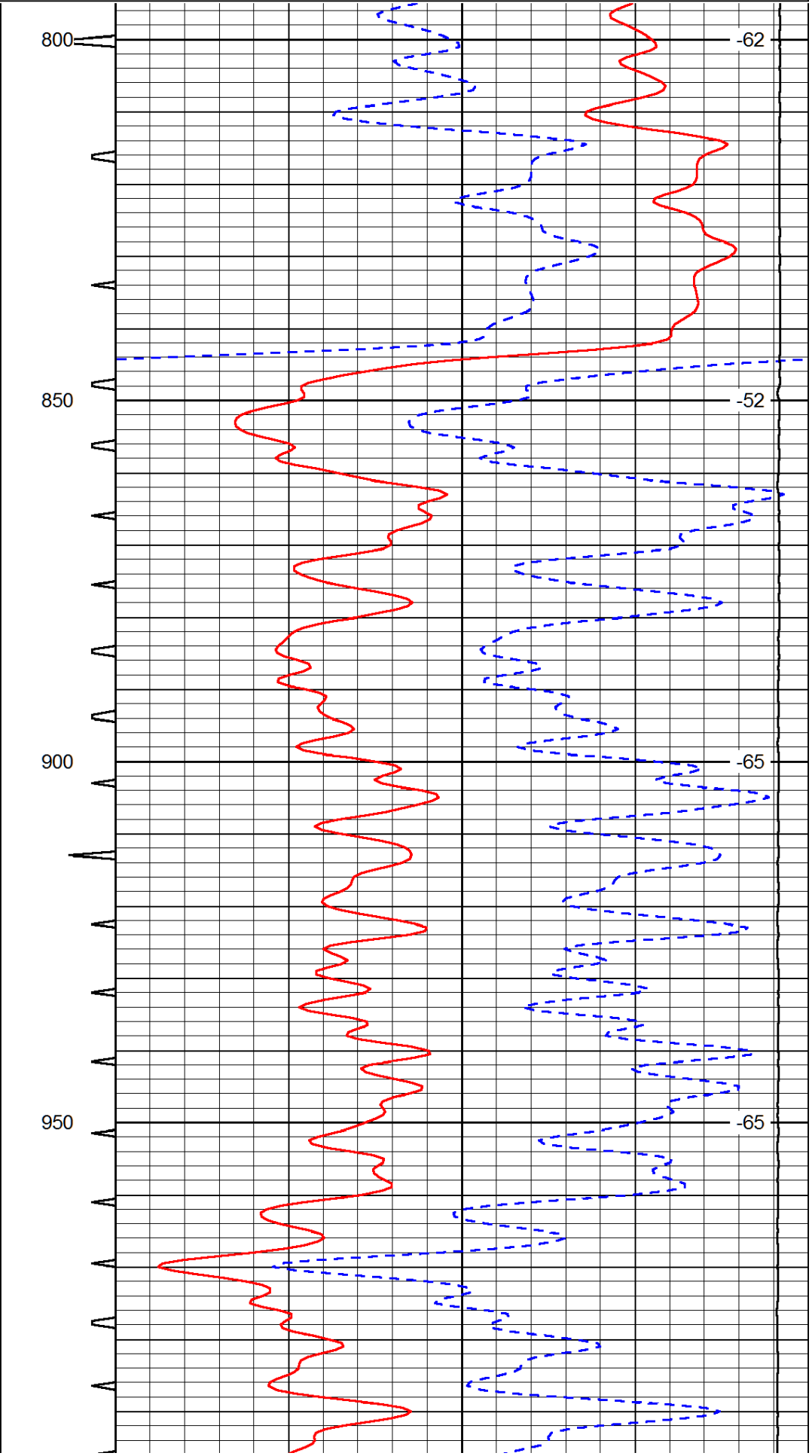
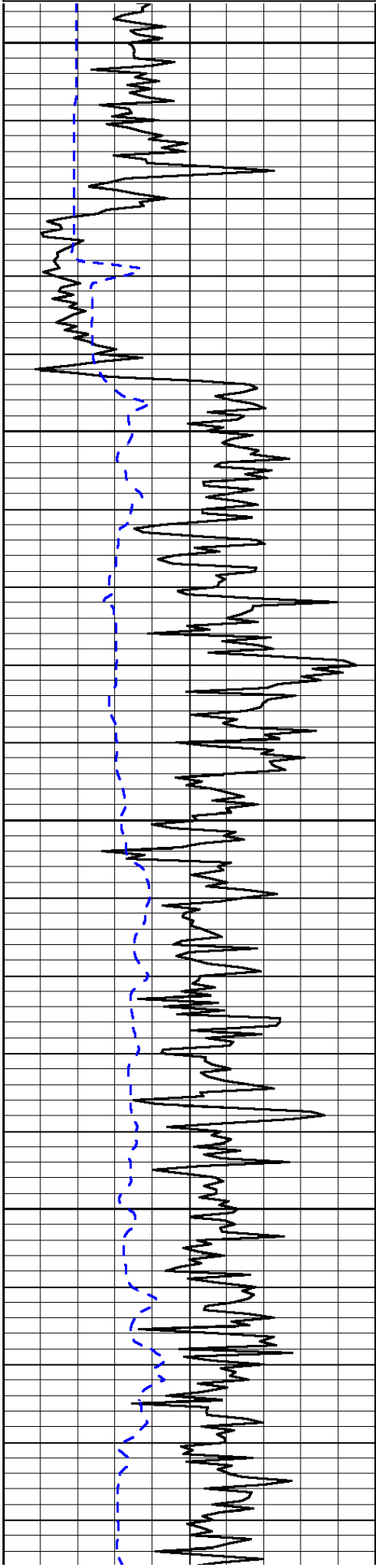
Comments

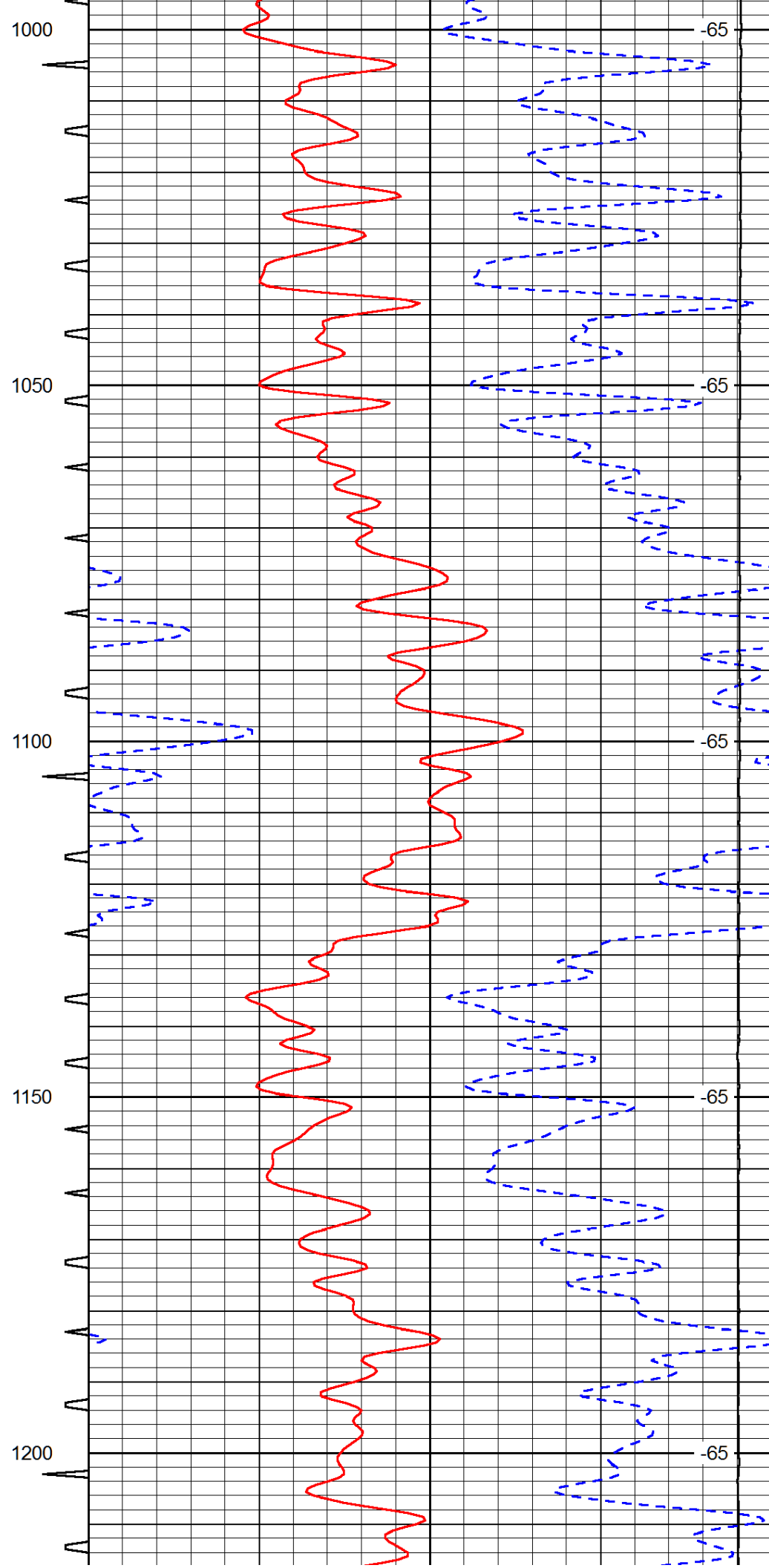
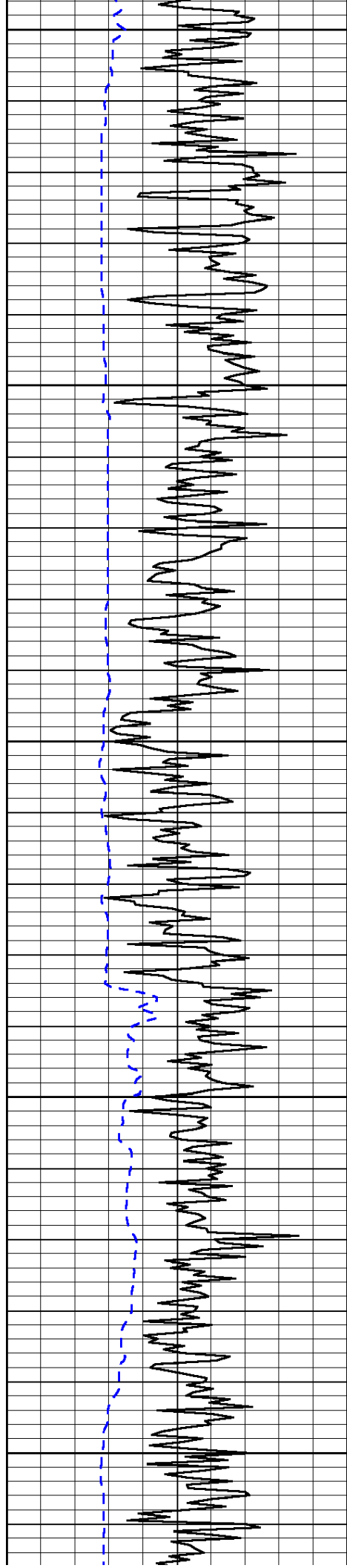
Thank you for using Log-Tech, Inc.
(785) 625-3858

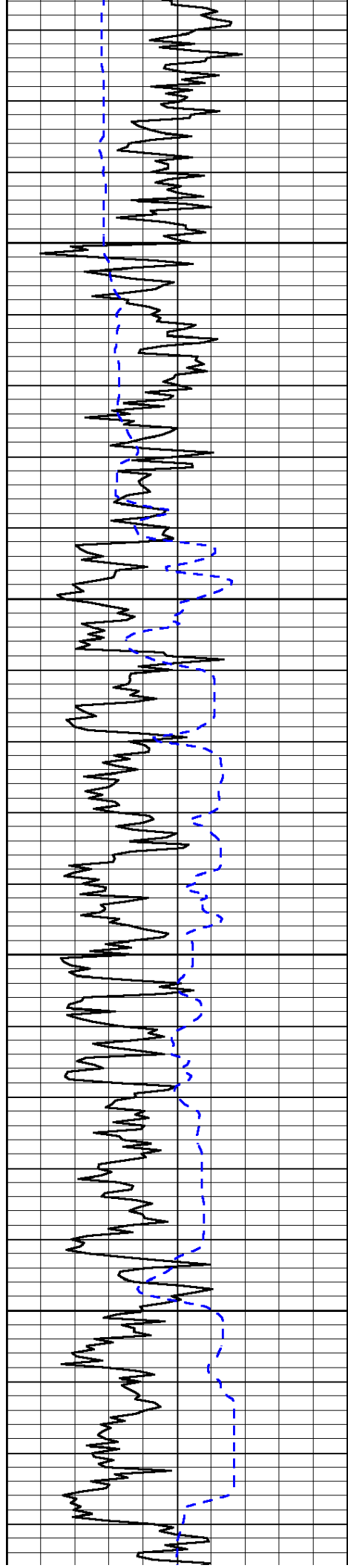
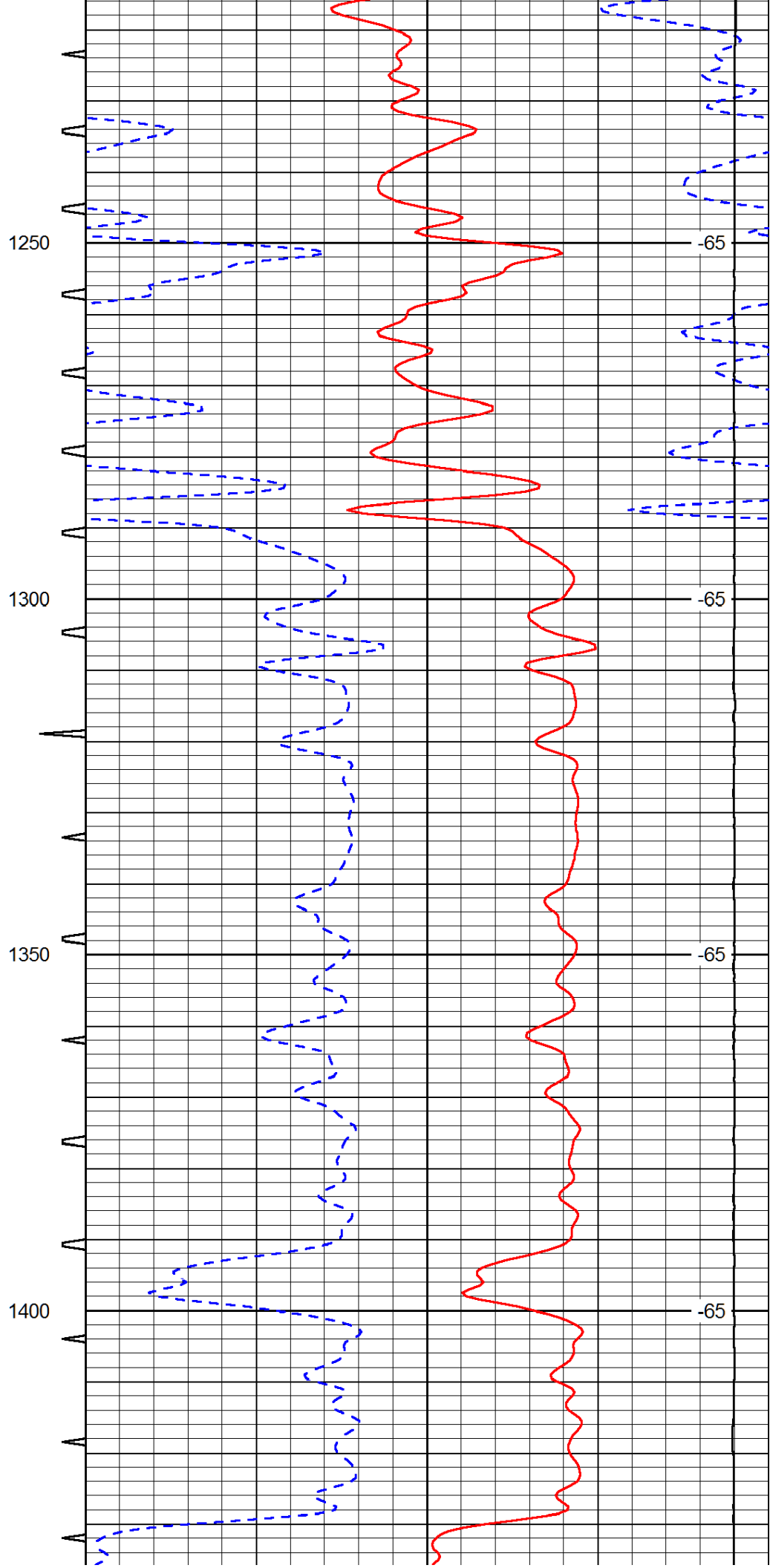
Hwy 4 & 281 Junction in Hoisington Ks., 6 South, 1 West, 1/2 South, West Into.

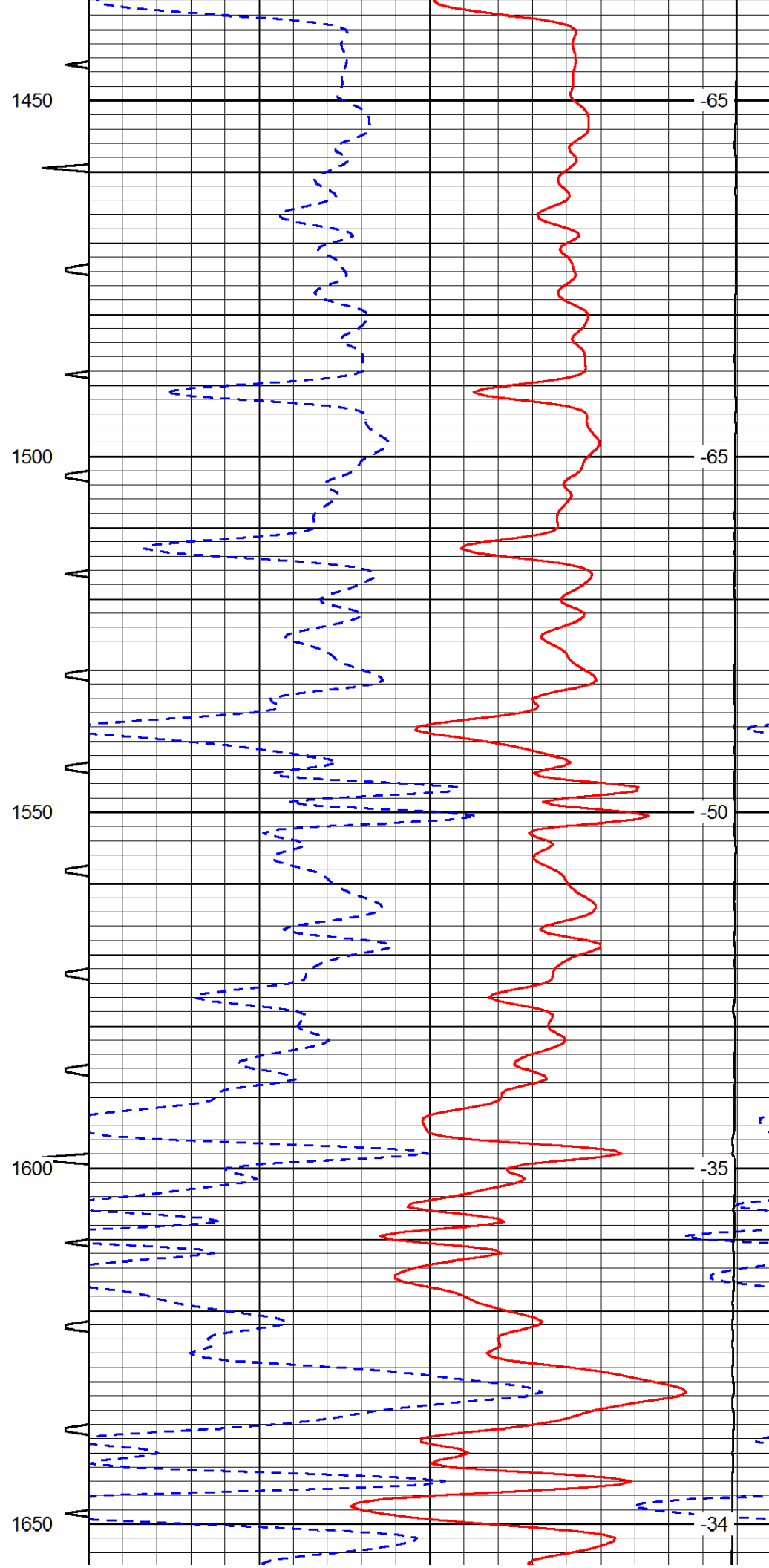
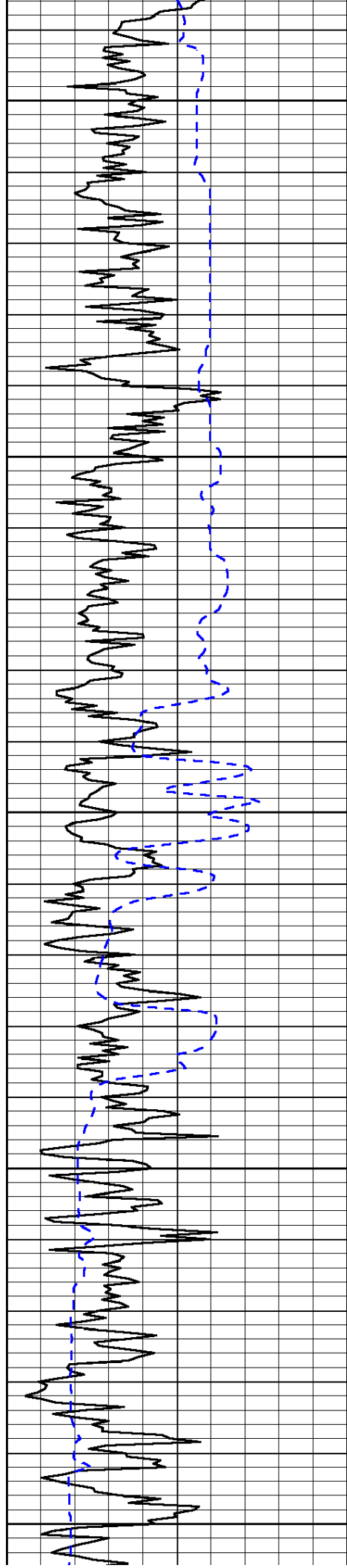
Database File: fg_holl_robertsphillips_1-6hd.db
Dataset Pathname: DIL/fgstck
Presentation Format: sonic
Dataset Creation: Fri Dec 05 16:23:59 2014
Charted by: Depth in Feet scaled 1:240

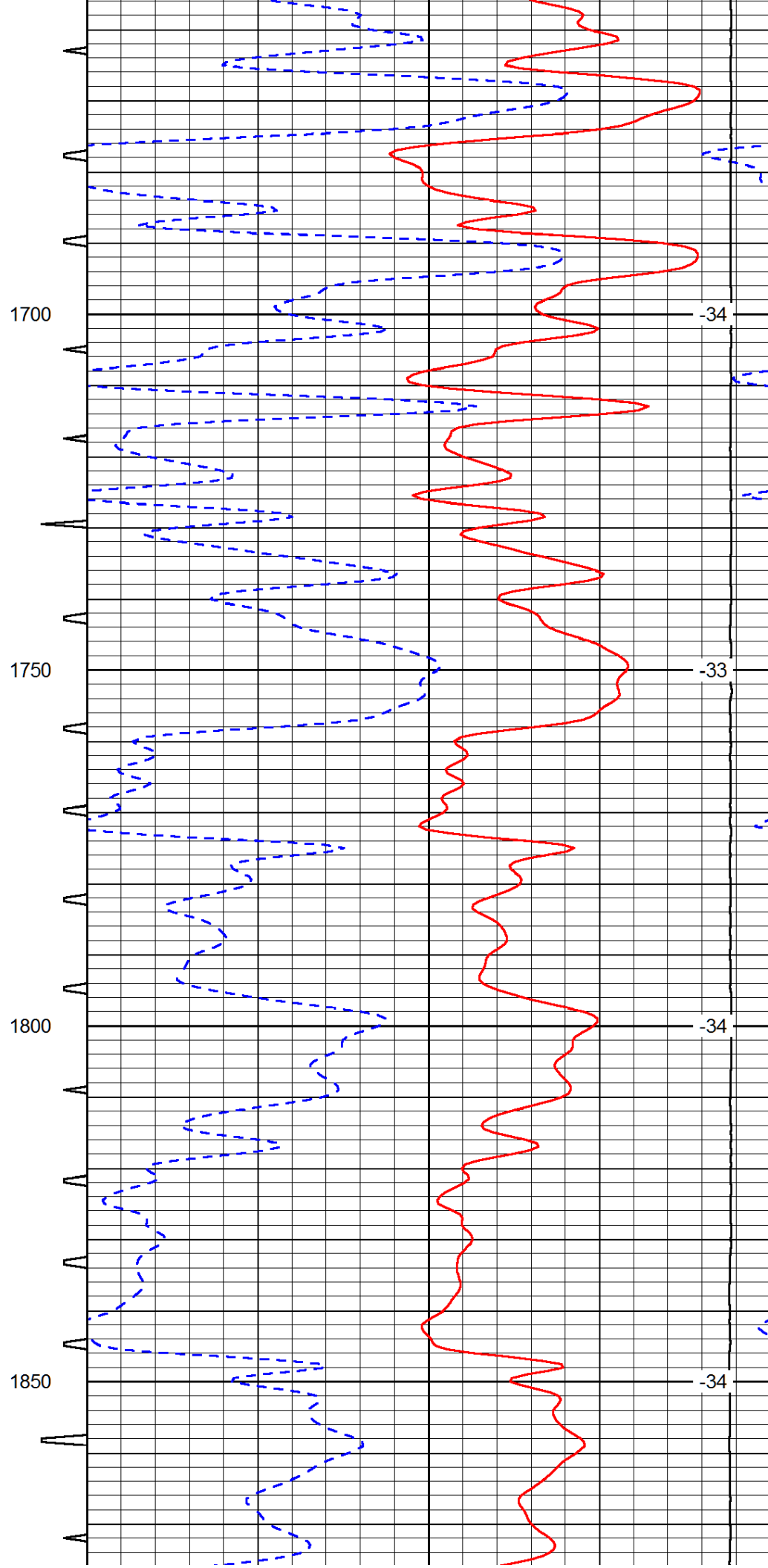
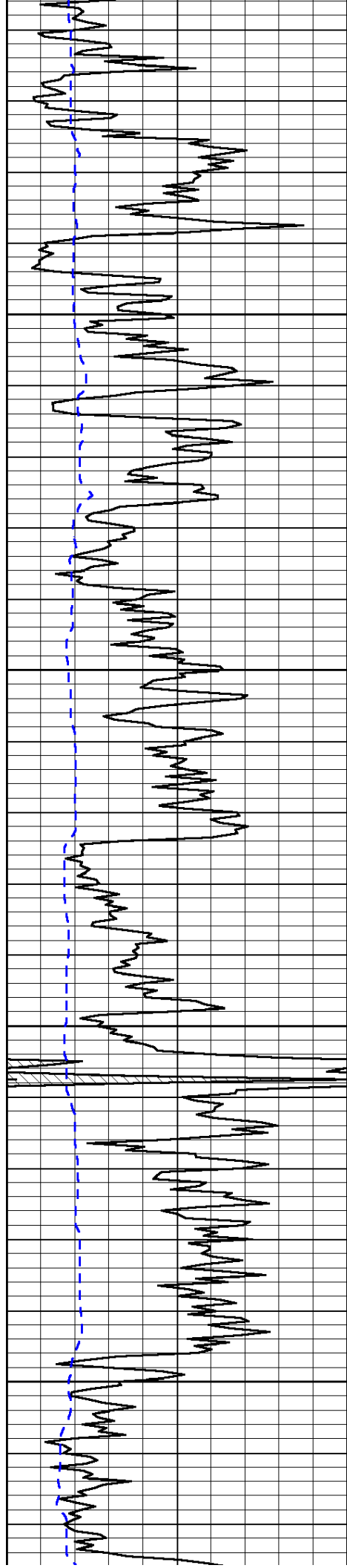
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	dCAL (GAPI)	16		15000	LTEN (lb)	0
						LSPD

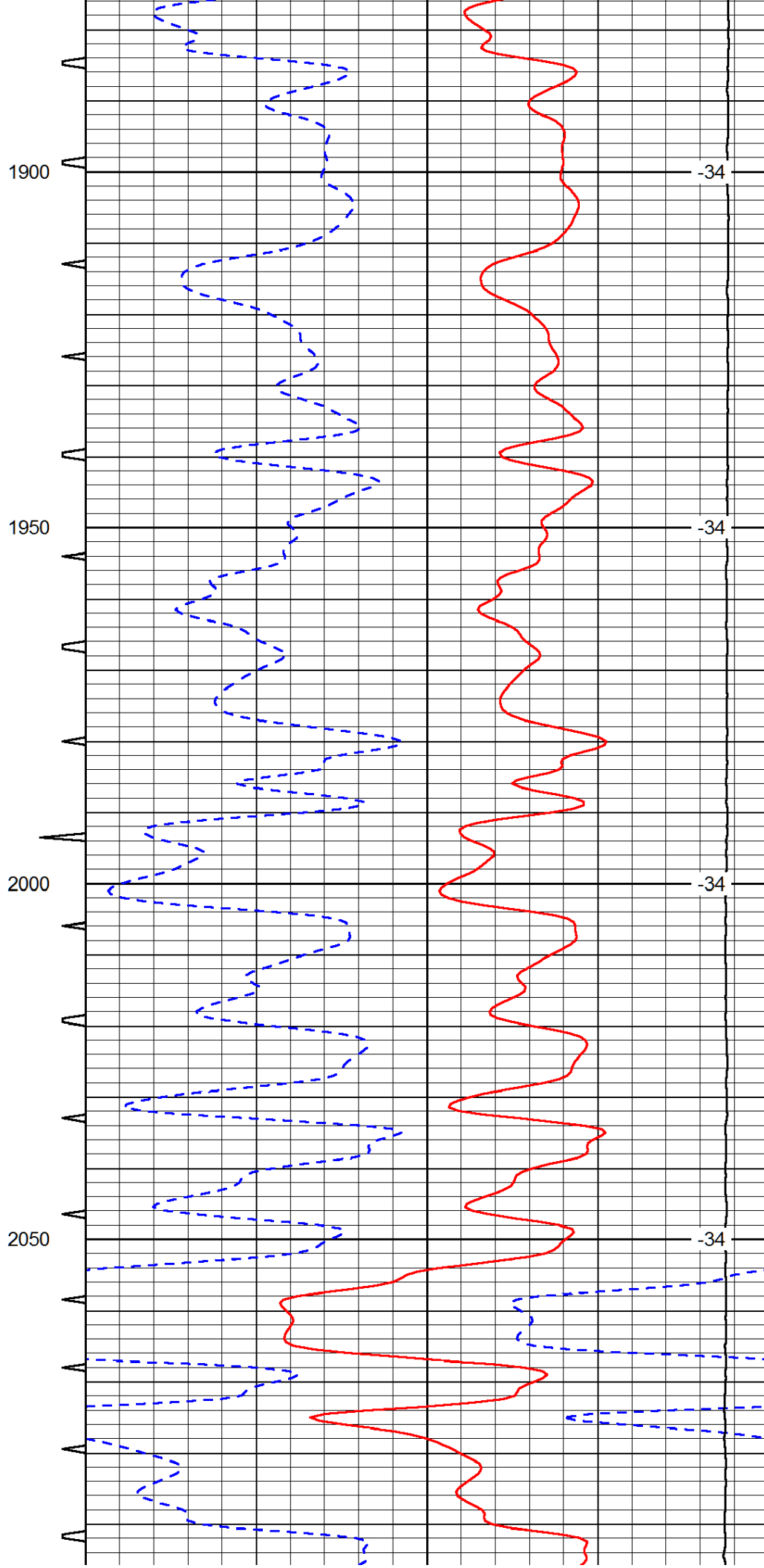
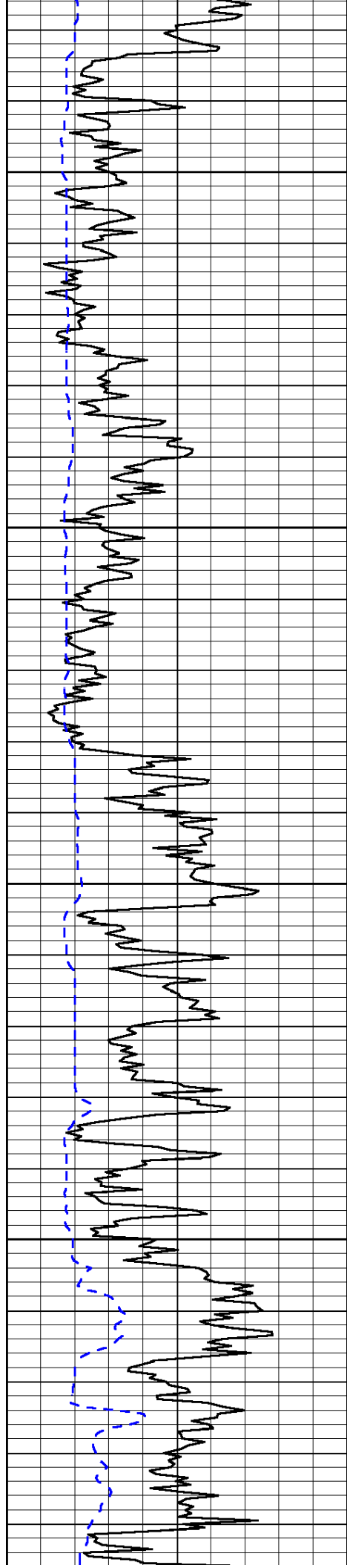


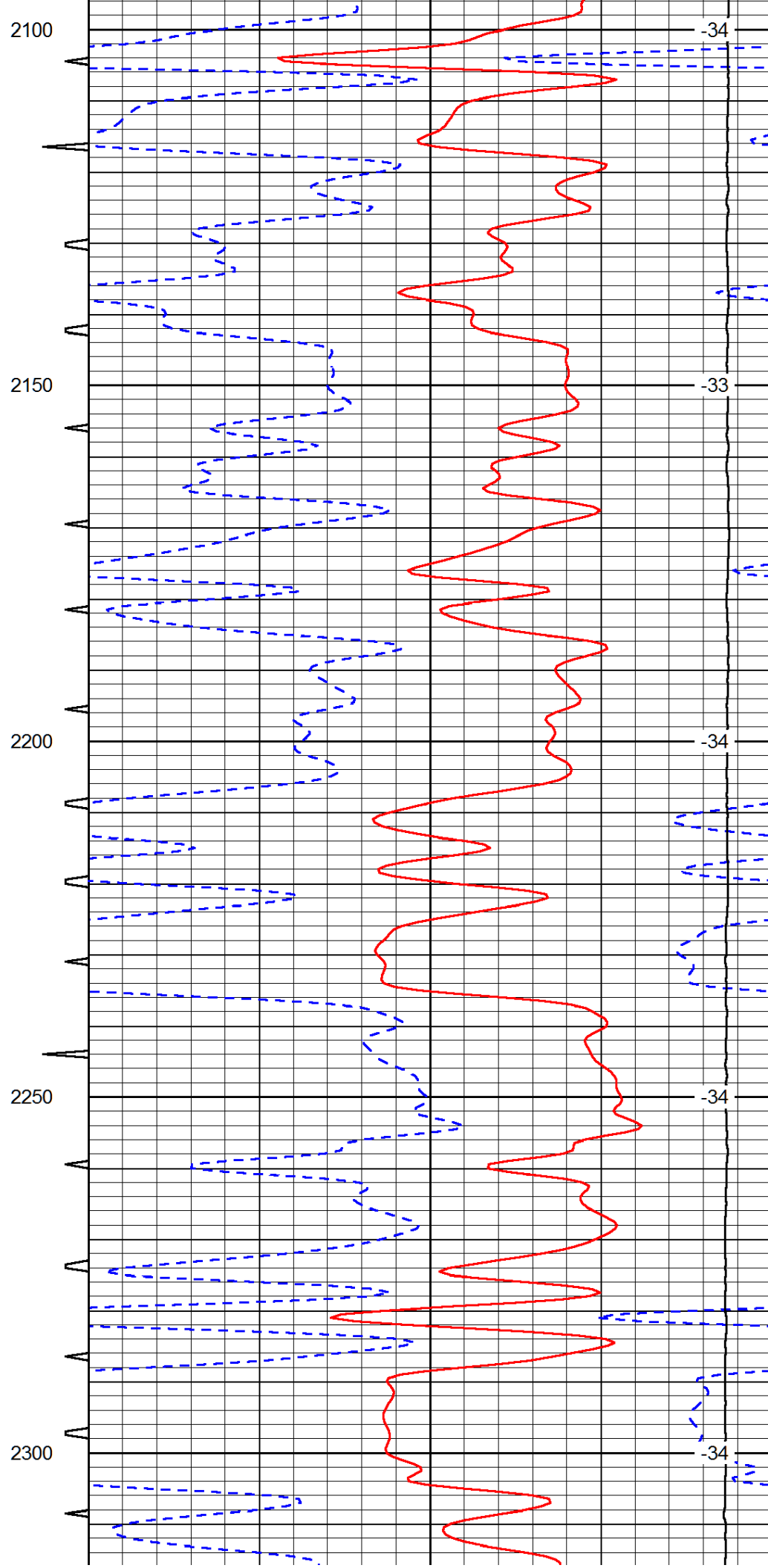
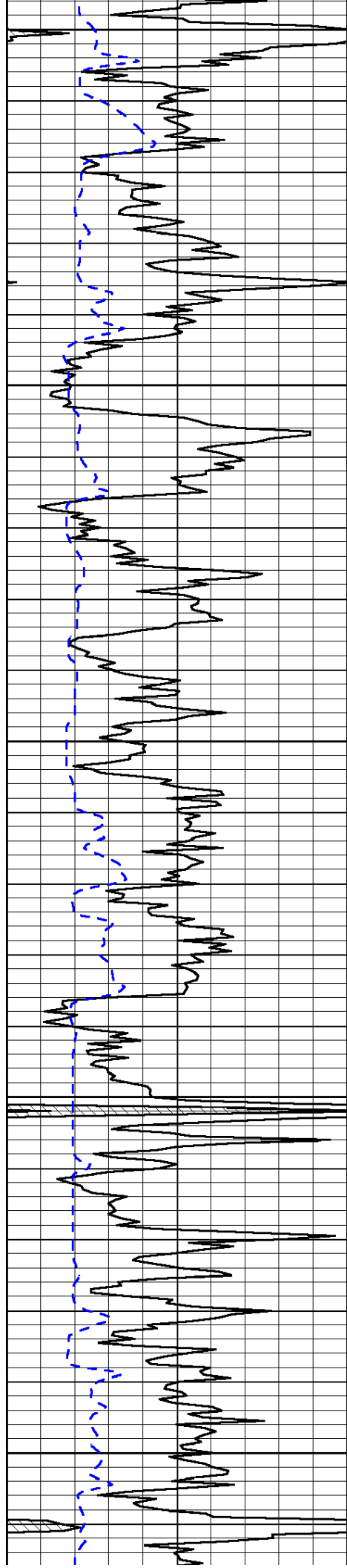


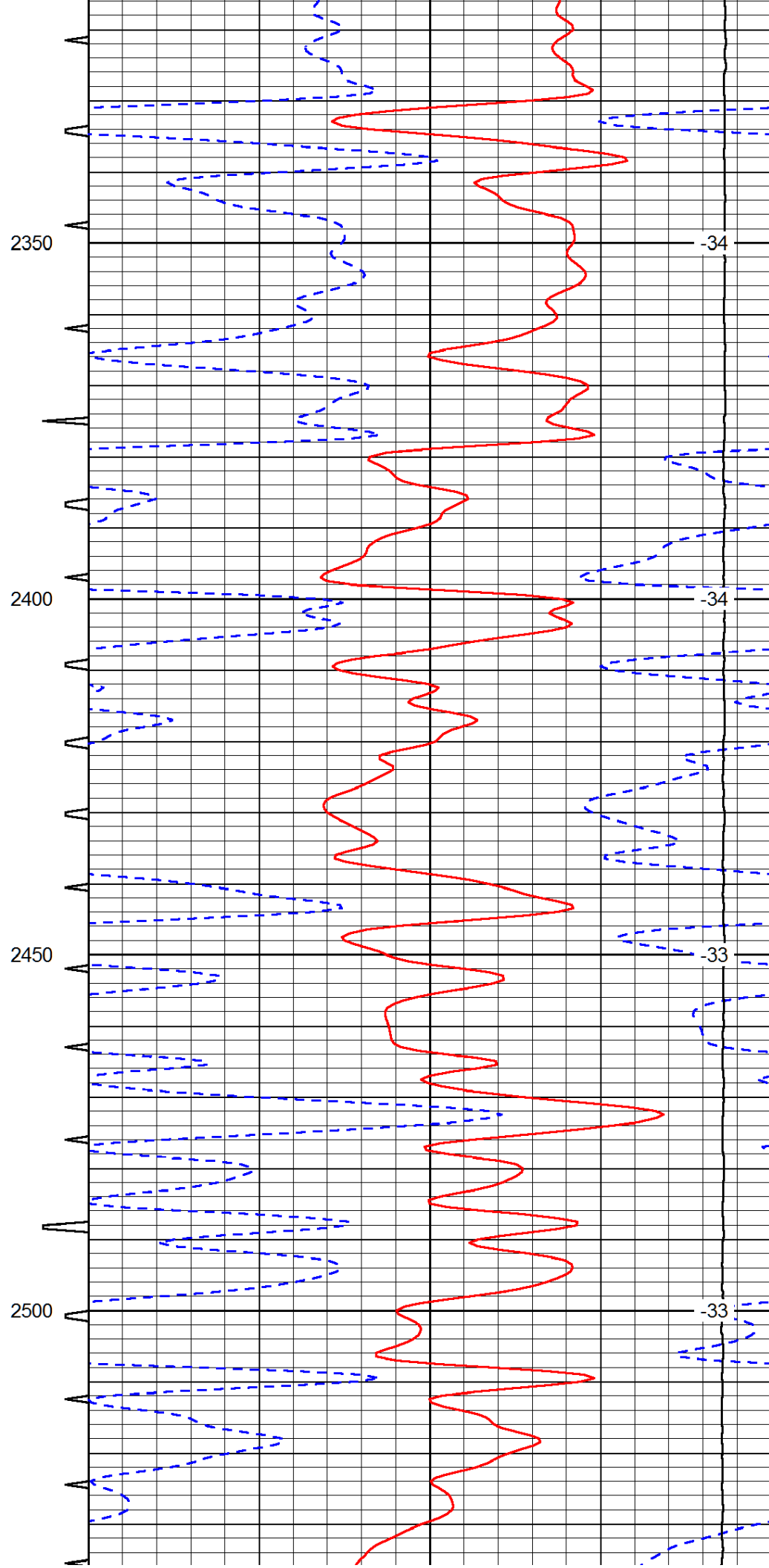
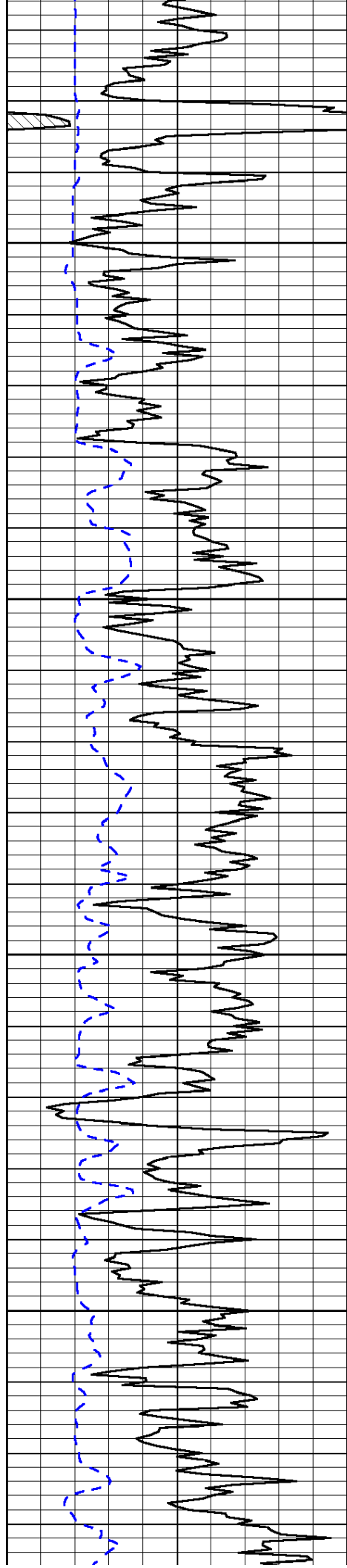


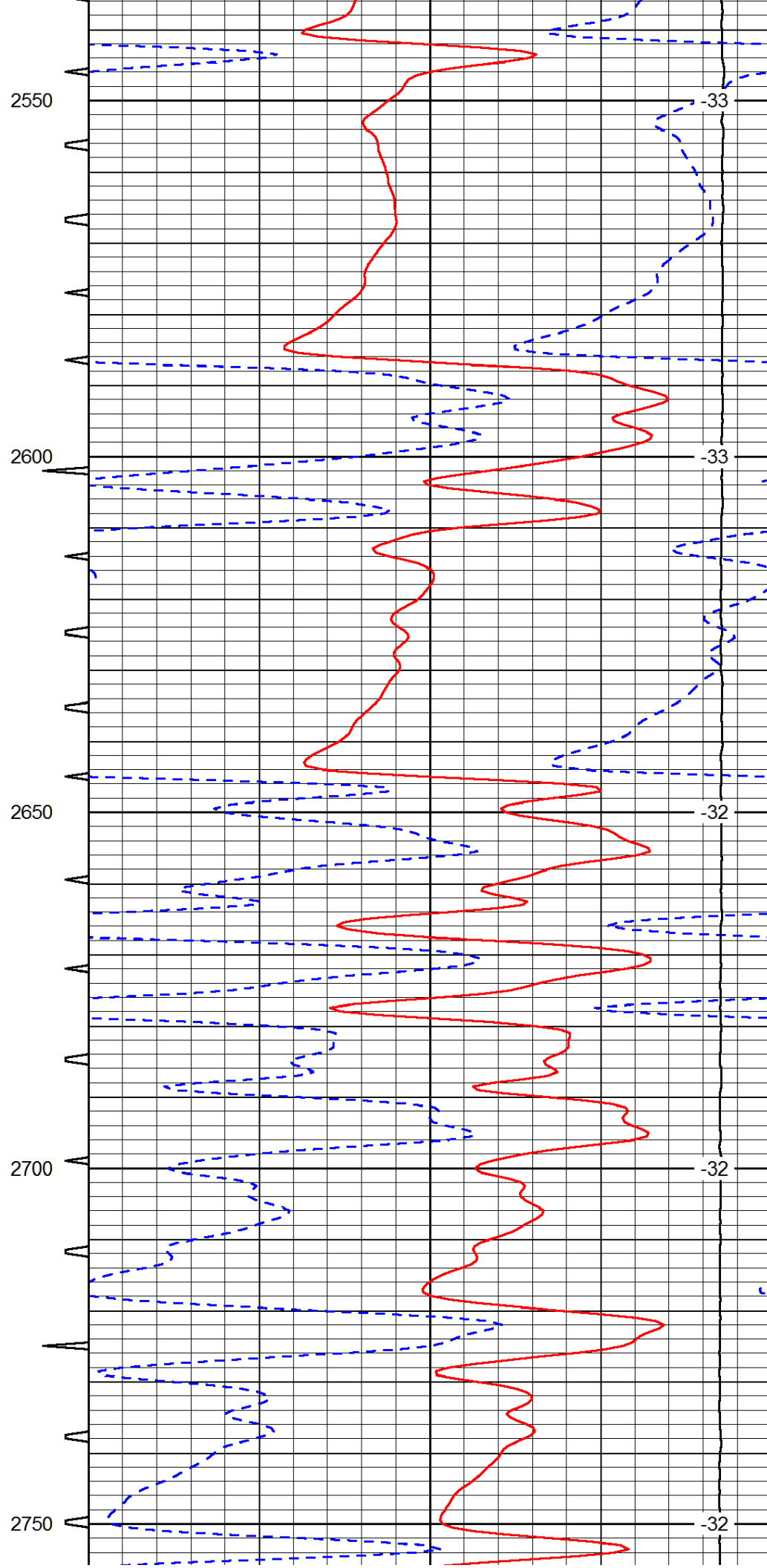
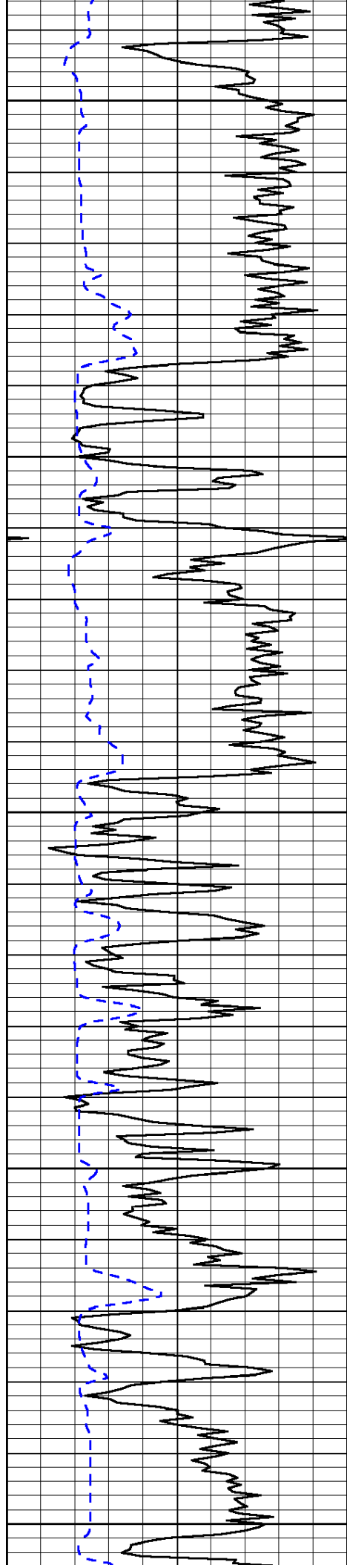


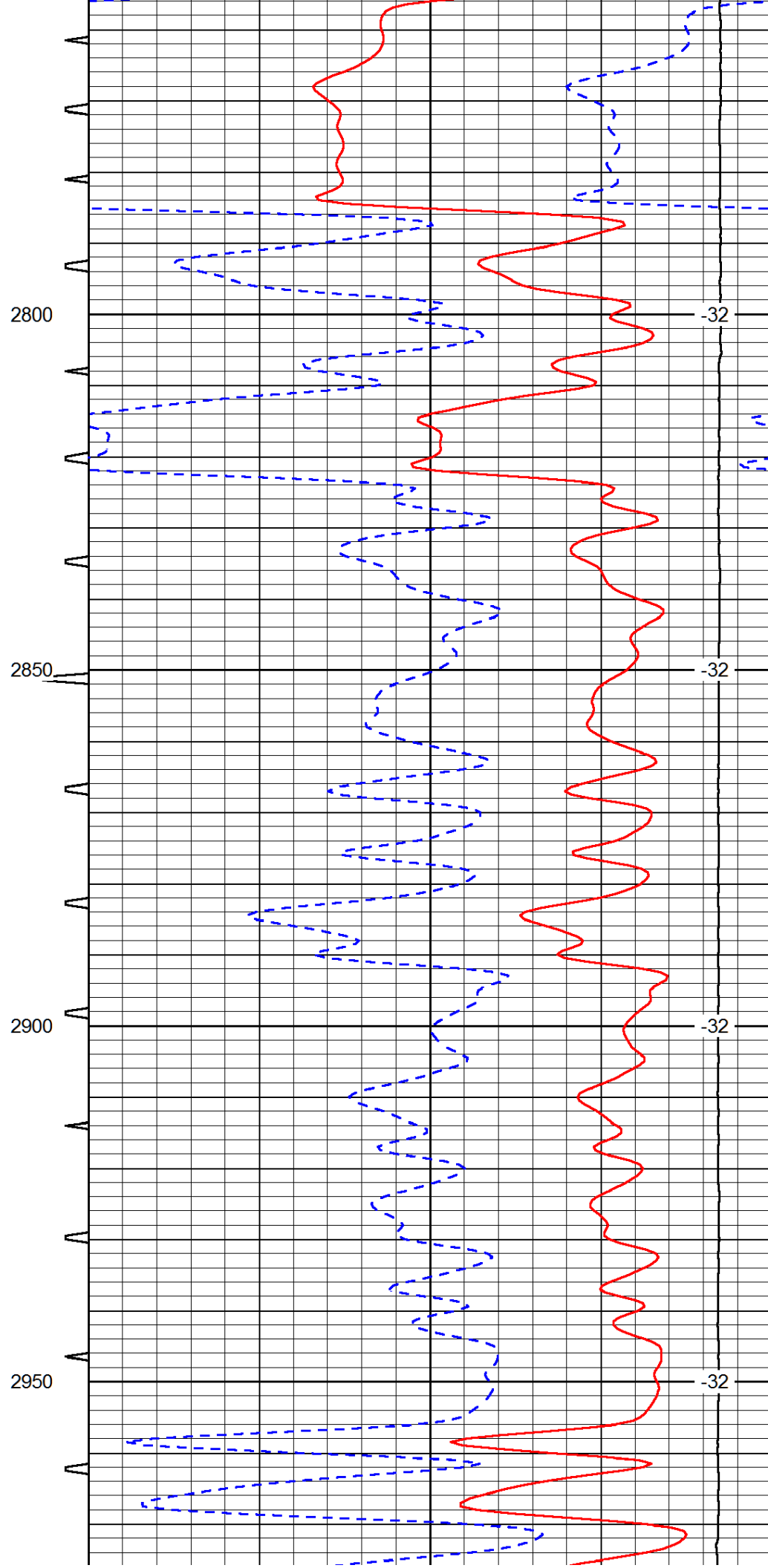
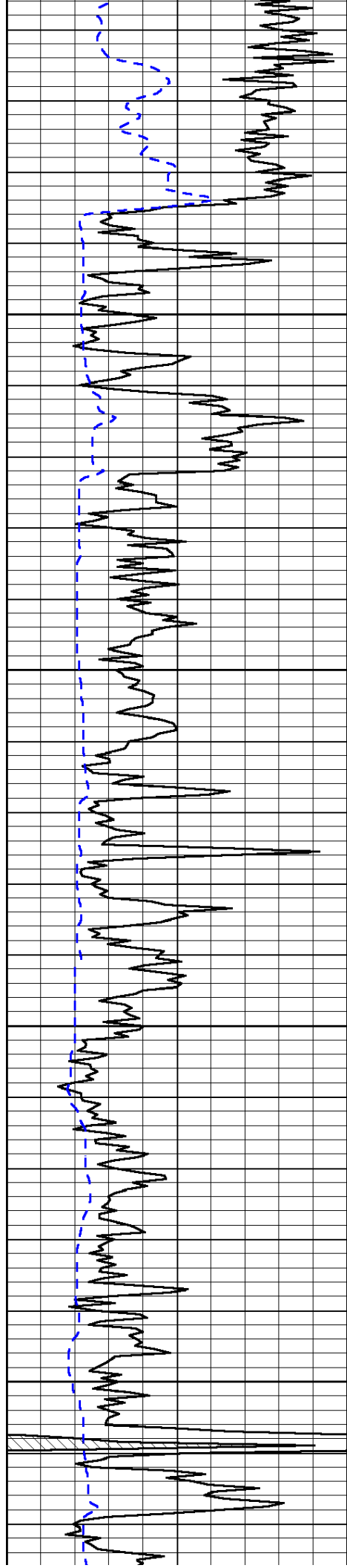


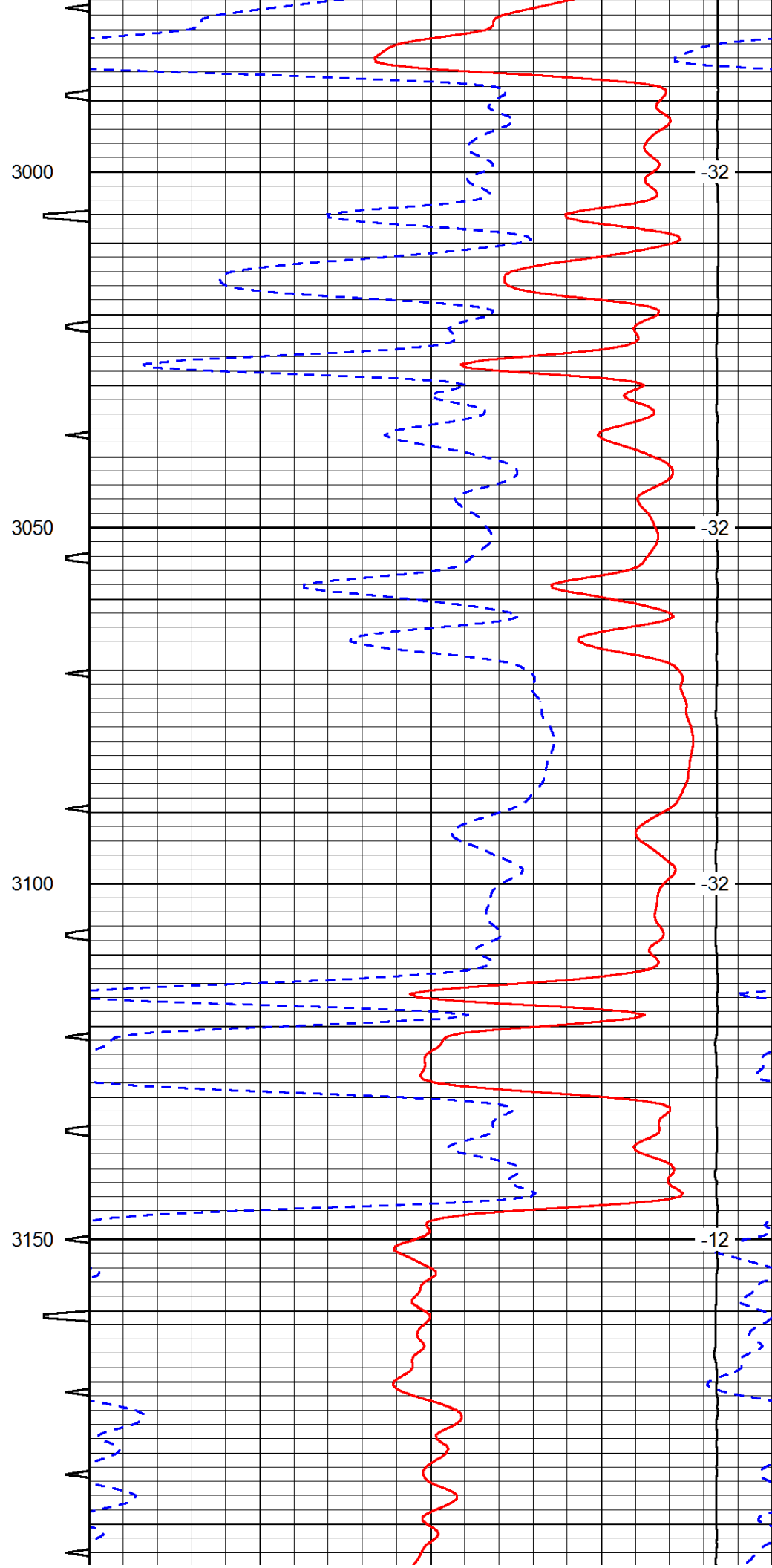
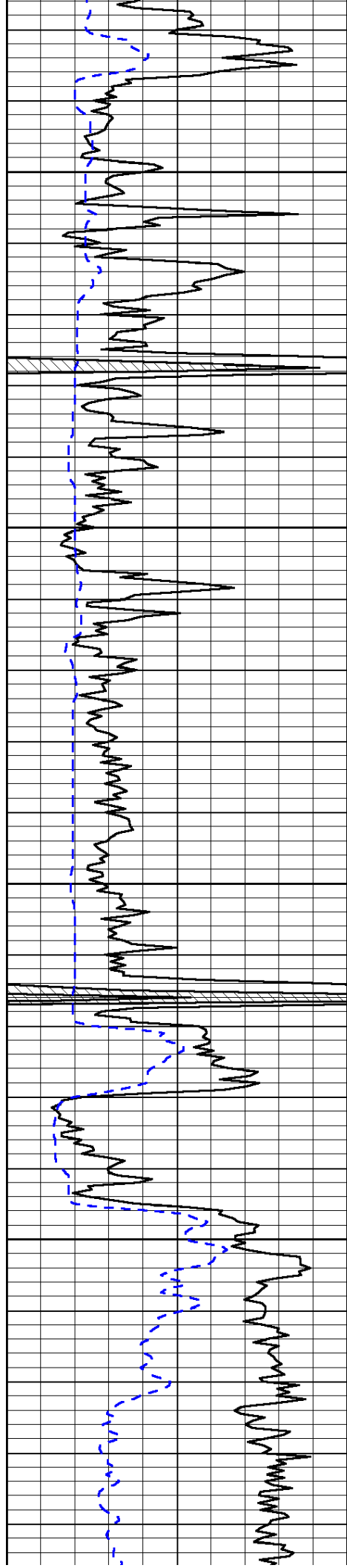


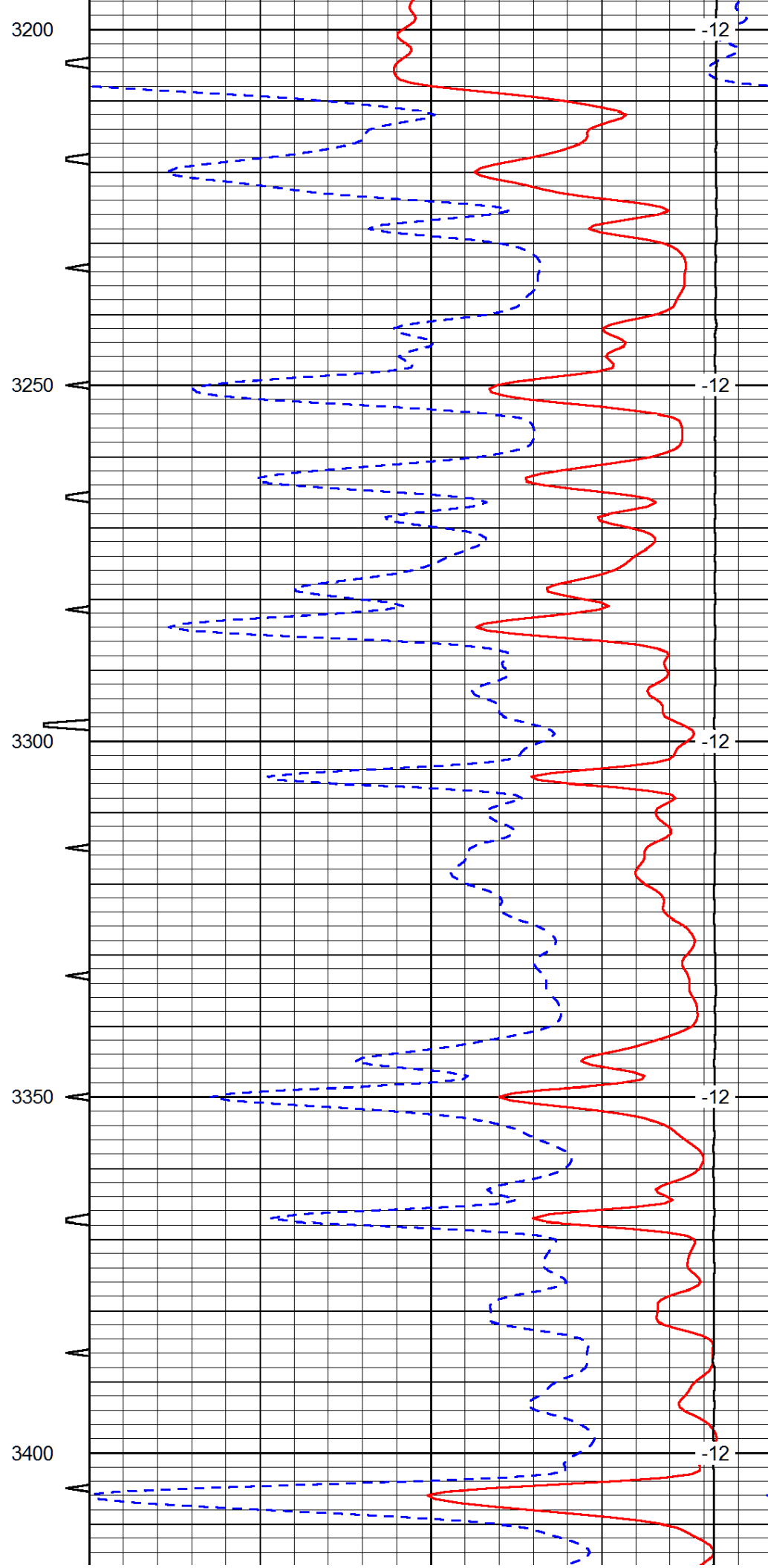
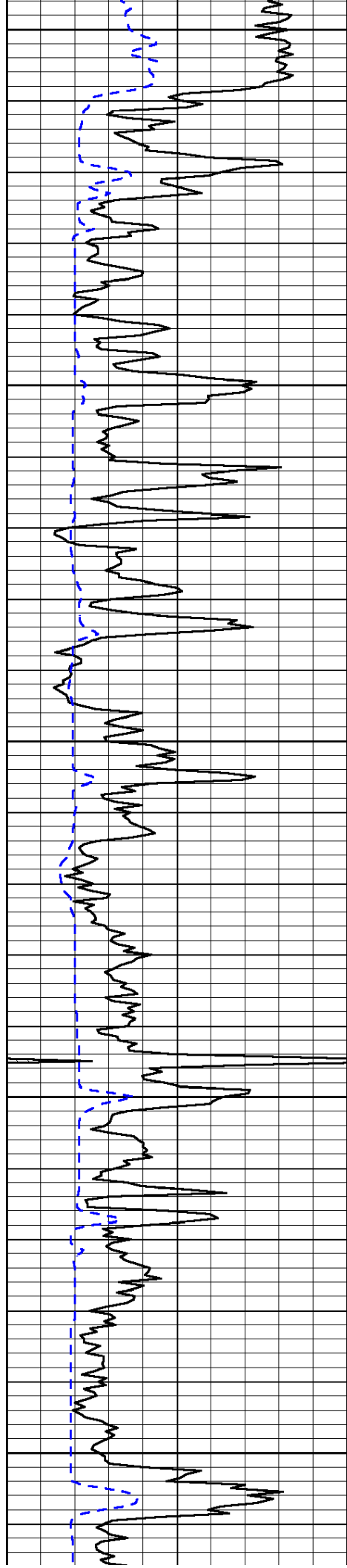


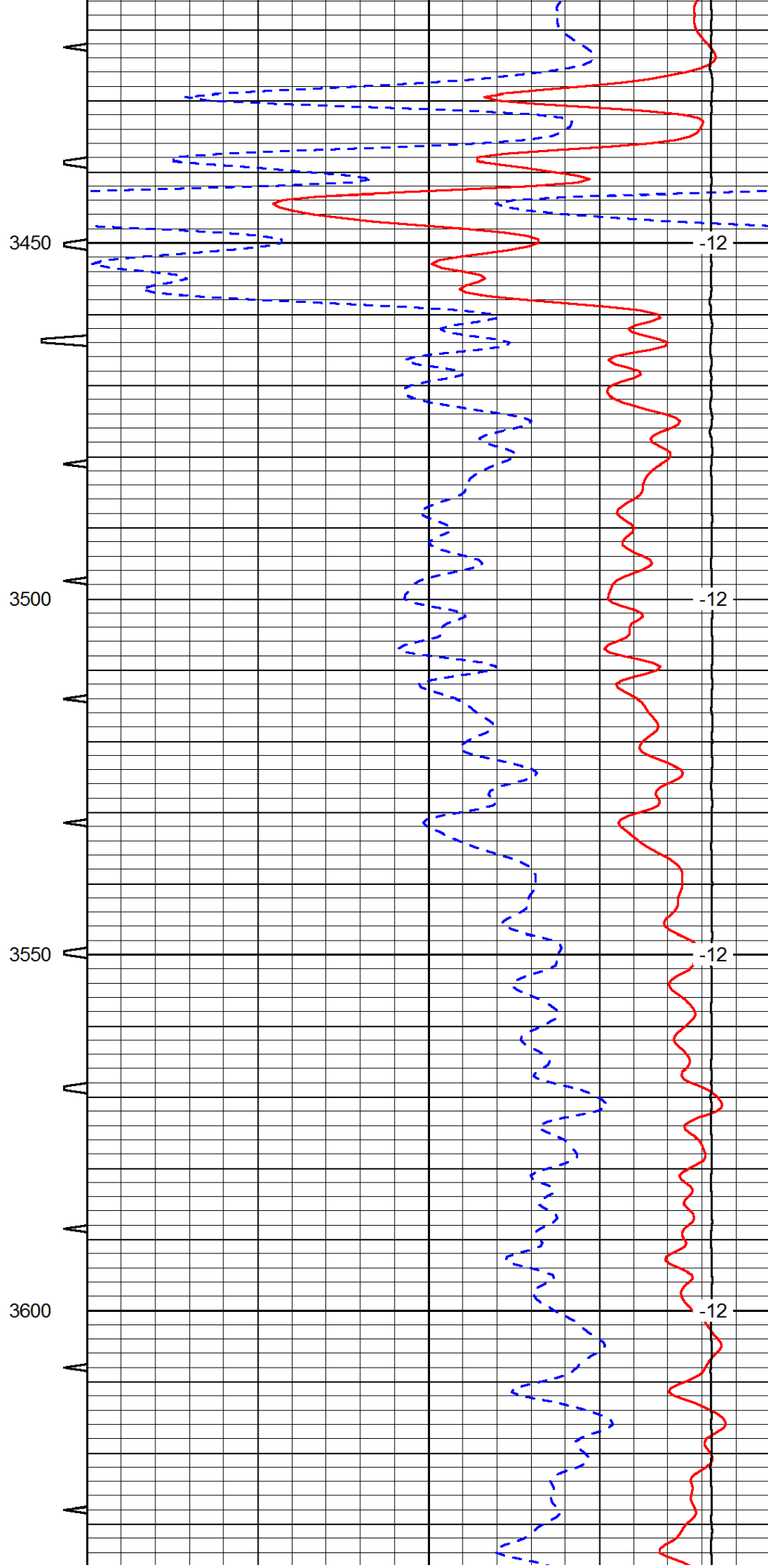
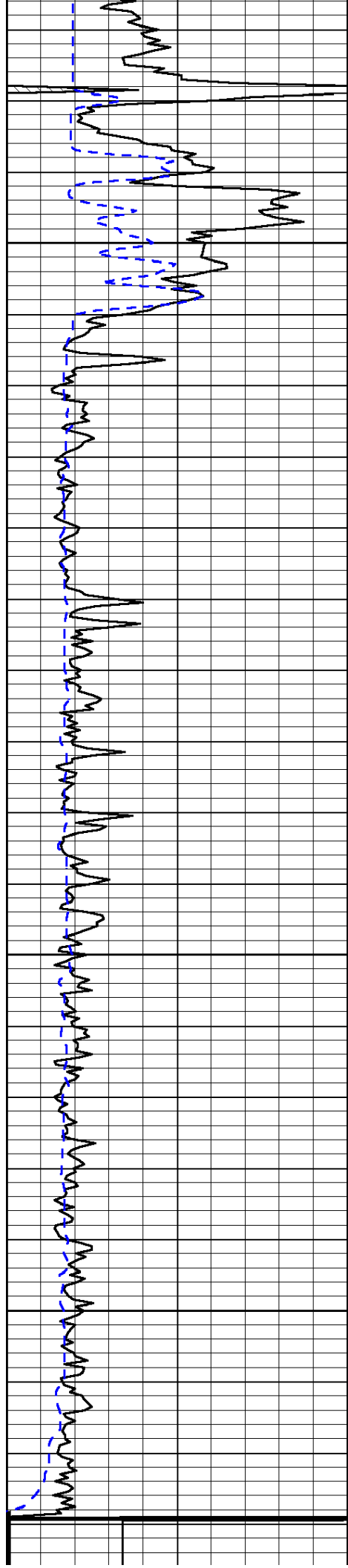


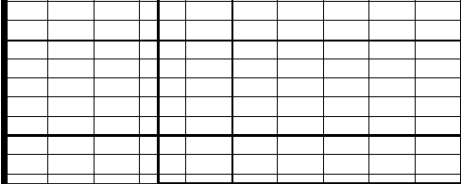










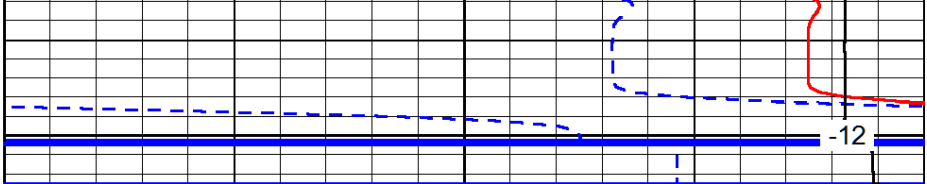


0	Gamma Ray	150
150	Gamma Ray	300
6	dCAL (GAPI)	16

3650

Sonic Int

5 0



140 Delta Time (usec/ft) 40

30 Sonic Porosity -10

15000 LTEN (lb) 0

LSPD