



PIONEER

Pioneer Energy Services

BOREHOLE COMPENSATED SONIC LOG

Company **JAMES PRODUCTION, INC.**

Well **BEST #1-1**

Field **WILDCAT**

County **SHERIDAN** State **KANSAS**

Location: API #: 15-179-21462-00-00

335' FNL & 1294' FEL

Other Services
CNL/CDL
DIL/MEL

SEC 1 TWP 7S RGE 29W

Permanent Datum GROUND LEVEL Elevation 2825'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2830'
D.F. N/A
G.L. 2825'

Company **JAMES PRODUCTION, INC.**
Well **BEST #1-1**
Field **WILDCAT**
County **SHERIDAN**
State **KANSAS**

Date **7/31/2019**

Run Number **TWO**

Type Log **BHCS**

Depth Driller **4270'**

Depth Logger **4267'**

Bottom Logged Interval **4255'**

Top Logged Interval **250'**

Type Fluid In Hole **CHEMICAL**

Salinity, PPM CL **1500**

Density **8.7**

Level **FULL**

Max. Rec. Temp. F **119**

Operating Rig Time **4 HOURS**

Equipment -- Location **P-24 HAYS**

Recorded By **IAN MABB**

Witnessed By **JARRED LEIS**

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	0'	305'	8.625"	23#	0'	305'
TWO	7.875"	305'	TD				

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

HOXIE, KS.

6 MILES NORTH TO RD 70N, 3 MILES WEST TO RD 30,
2 MILES NORTH & WEST INTO

Log Measured From: **KELLY BUSHING** 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: **IAN MABB**
Operator:
Operator:
Operator:

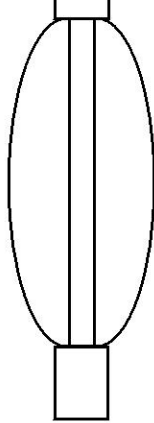
This Log Record Was Witnessed By

Primary Witness: **JARRED LEIS**
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A 1	BOREID in 7.875	BOTTEMP degF 119	CASEOD in 5.5	CASETHCK in 0	COMPACT 1	FLUIDDEN g/cc 1	M 2
MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS 0	SNDERR mmho/m 2	SNDERRM mmho/m -3	SPSHIFT mV 0	SRFTEMP degF 0	SVFLUID usec/ft 189
SVMATRIX usec/ft 47.6	SZCOR Off	TDEPTH ft 0					

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
WVF4 WVF1	13.50 13.50		SLT-PENGO (0001)	16.00	3.50	300.00
WVF3 WVF2	11.50 11.50					



CENT-PENGO (4-PENGO)

5.50

3.00

70.00

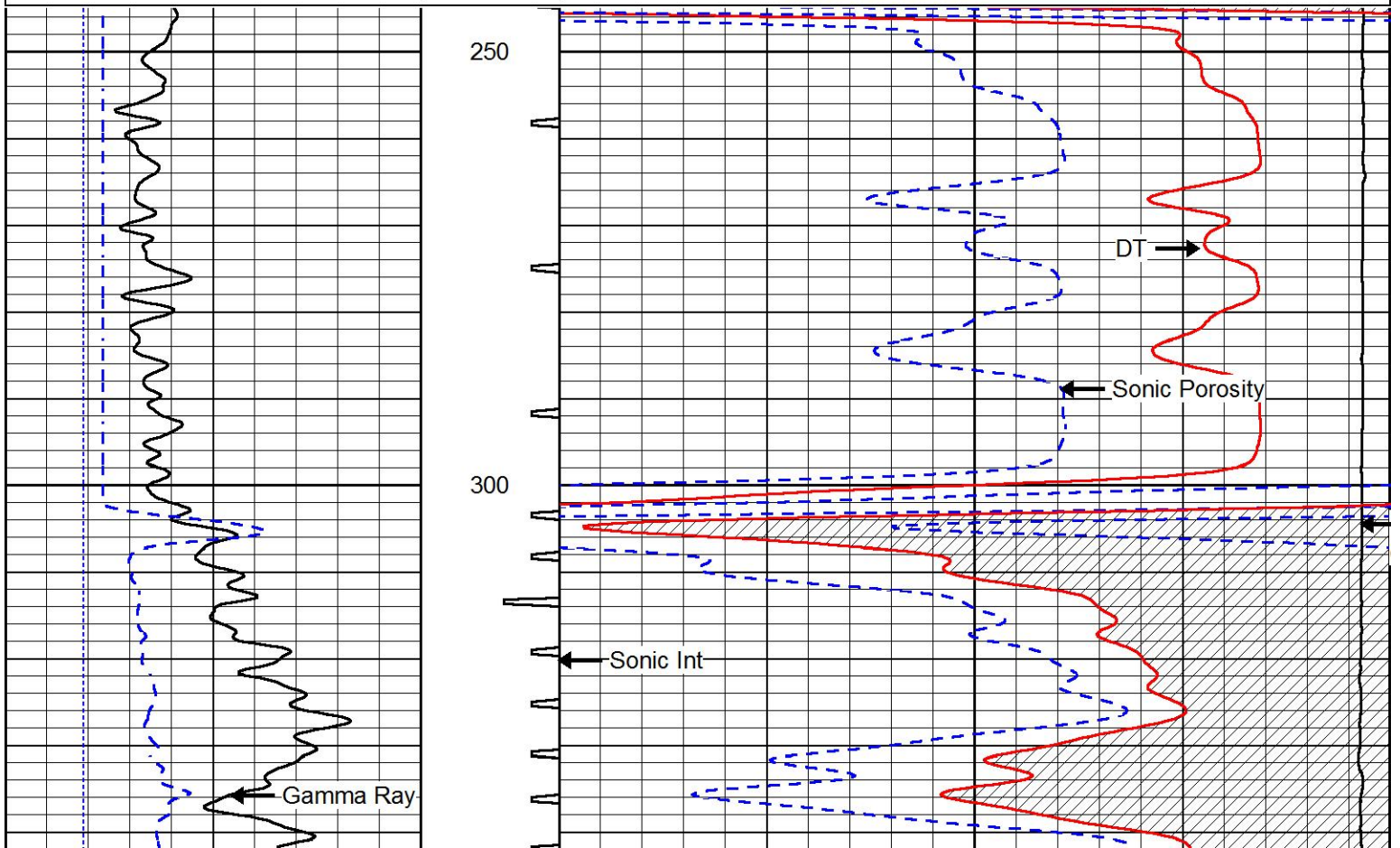
Dataset: james_production_best_1_1.db: field/well/SON/pass1
Total length: 21.50 ft
Total weight: 370.00 lb
O.D.: 3.50 in

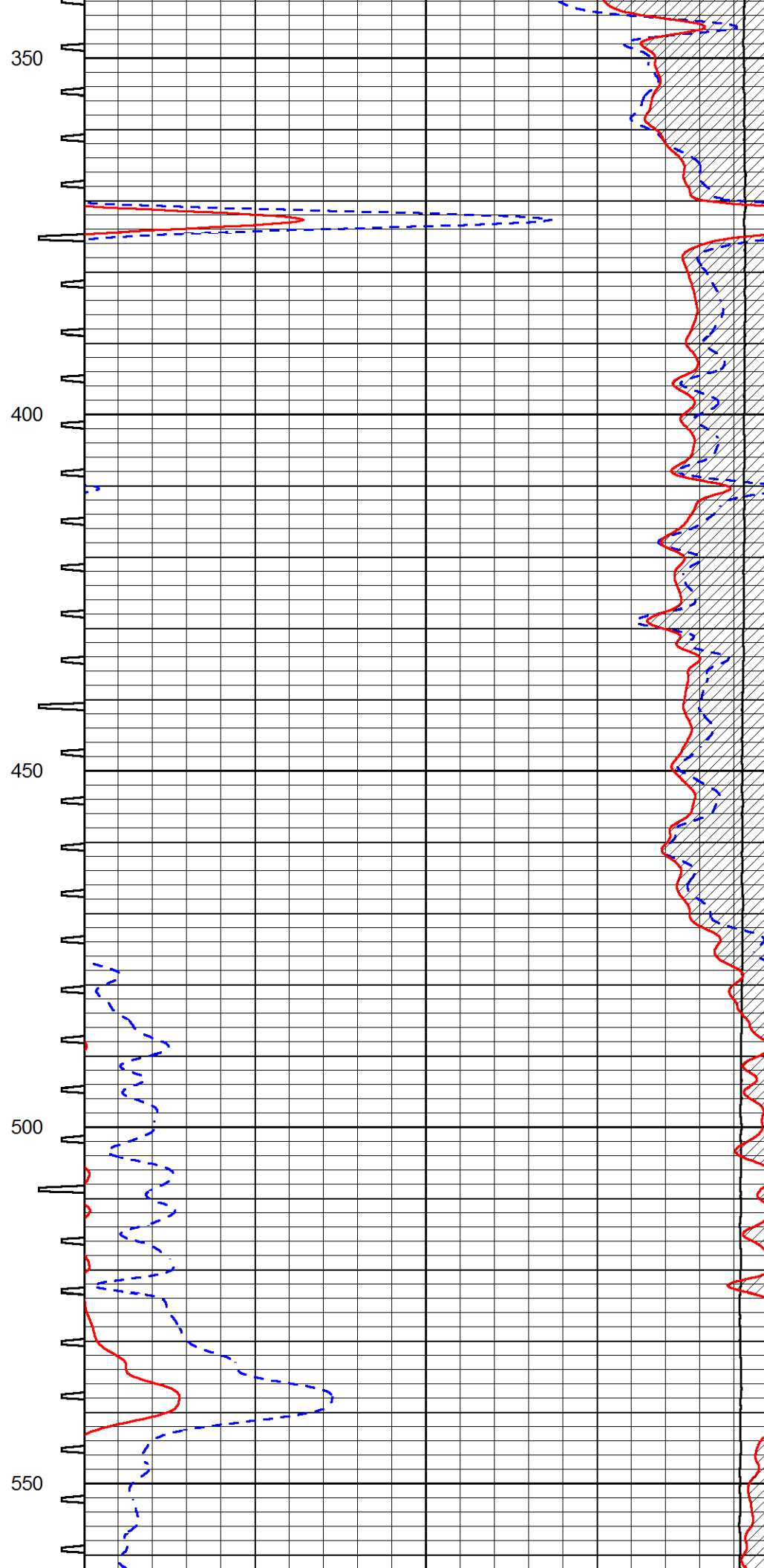
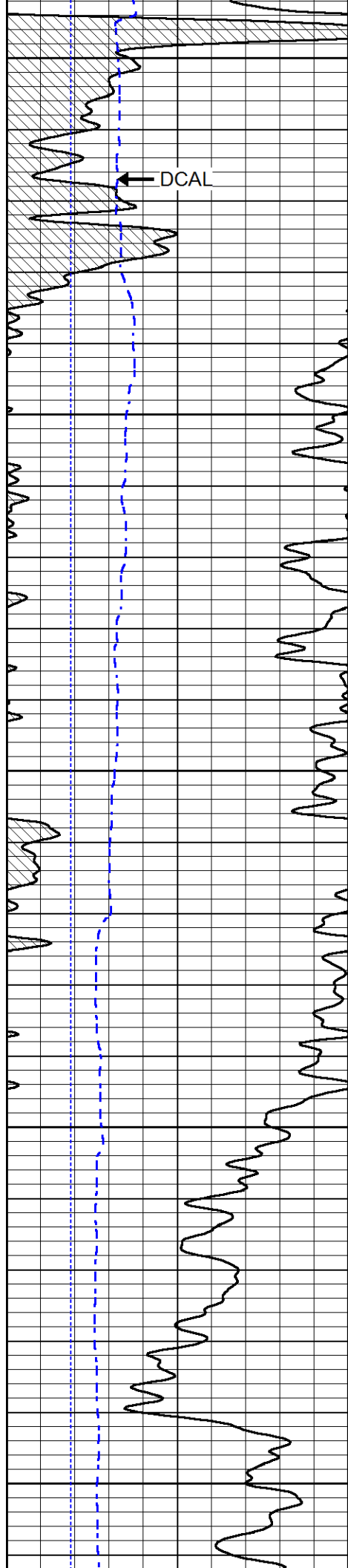


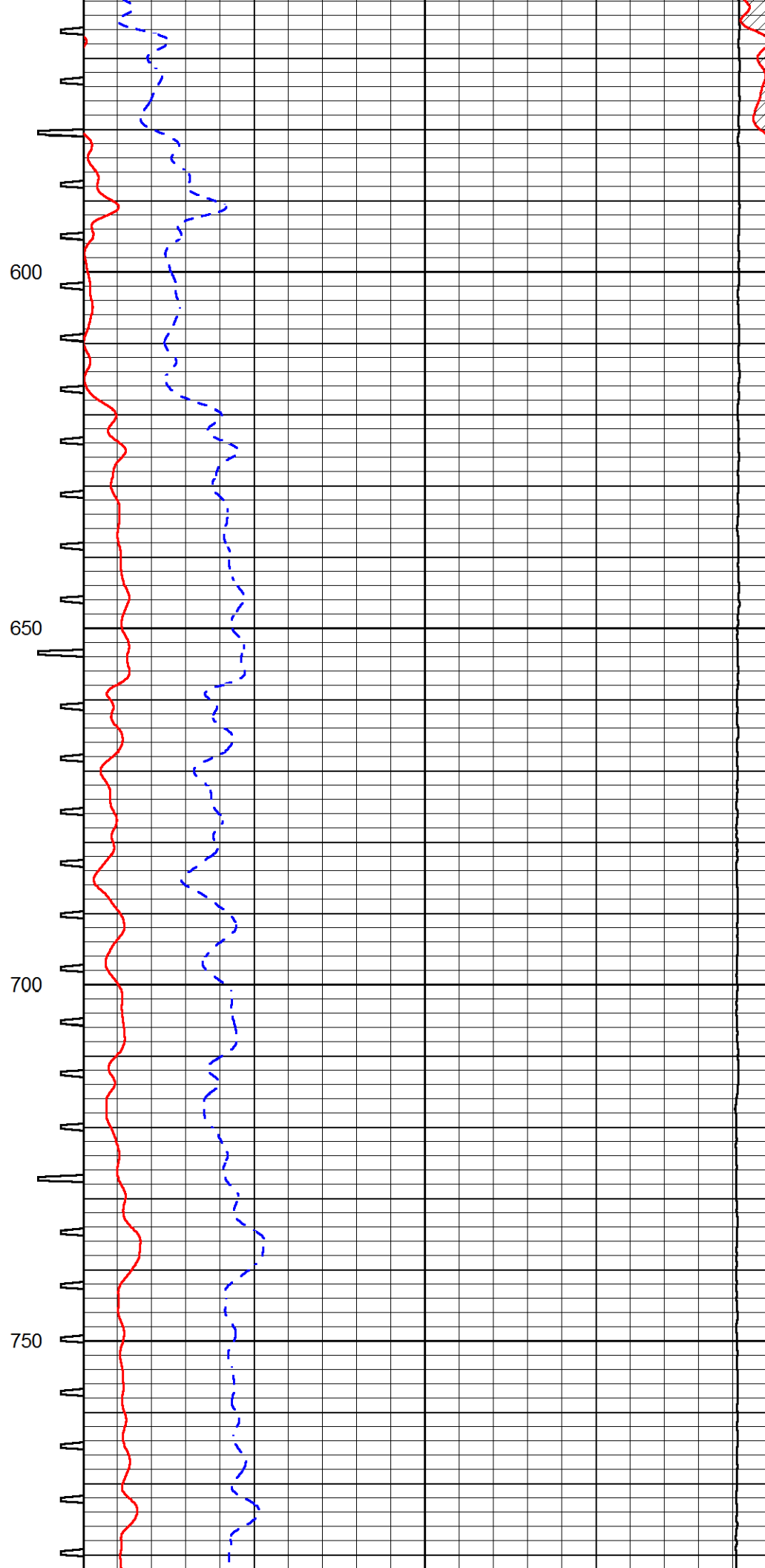
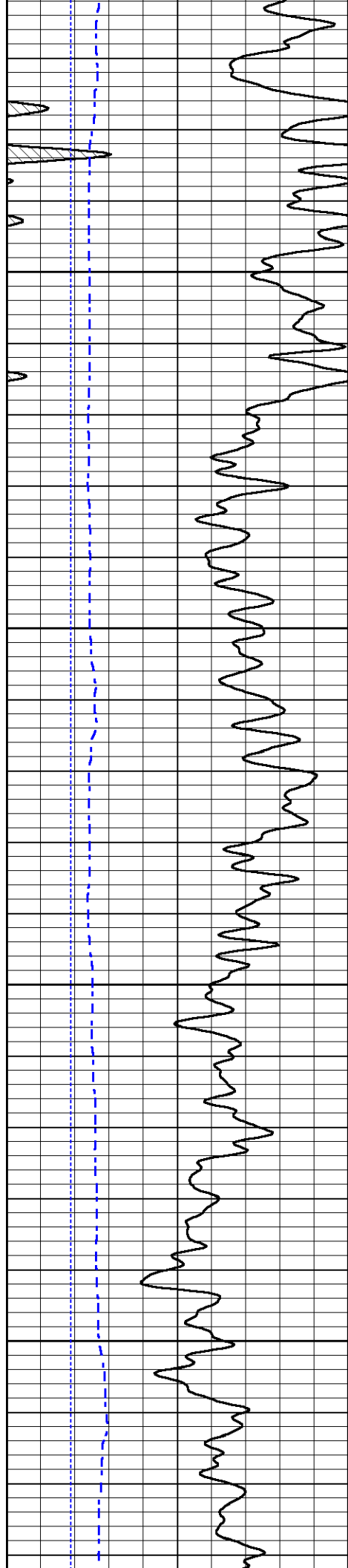
MAIN PASS

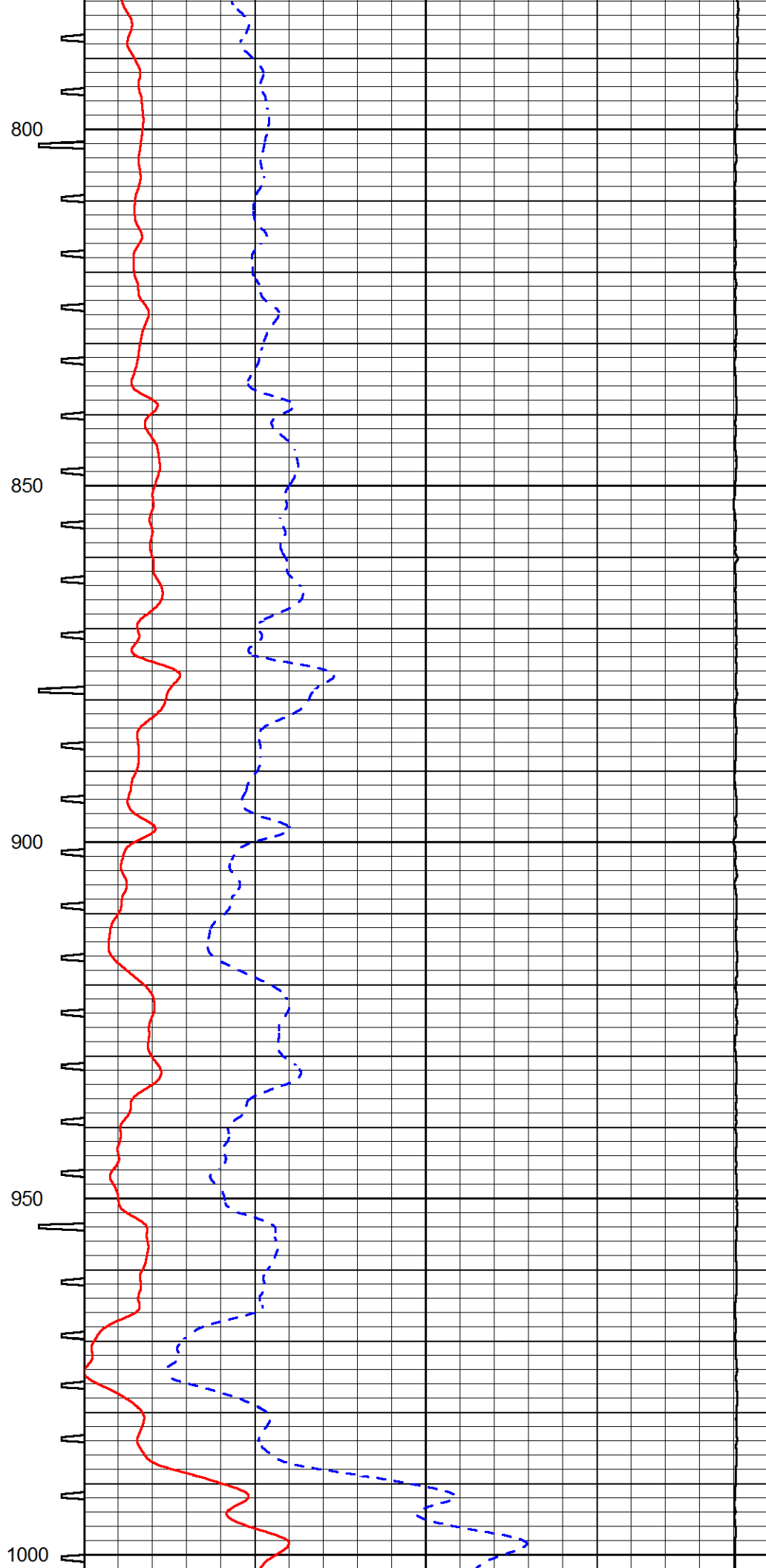
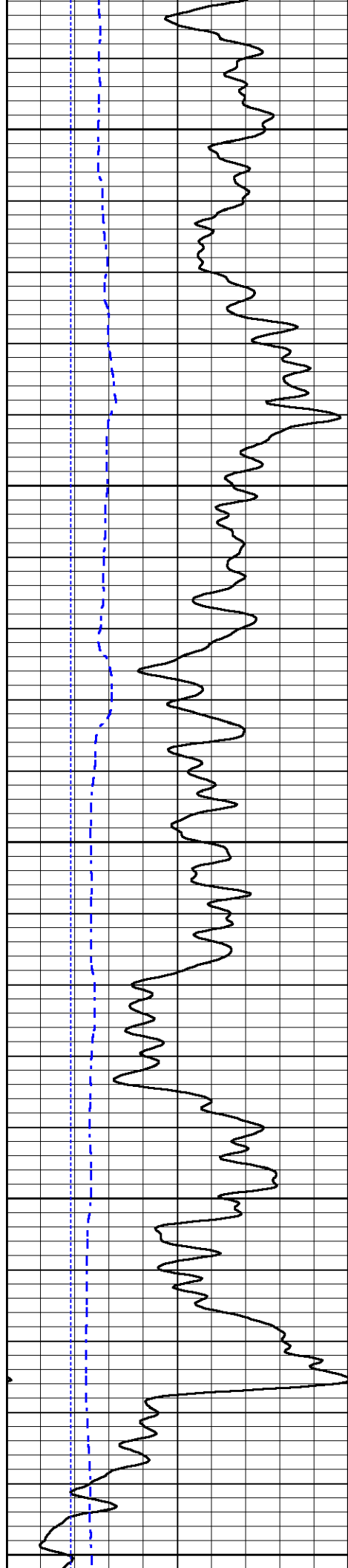
Database File james_production_best_1_1.db
Dataset Pathname stackmel/pass4.1
Presentation Format _sonic
Dataset Creation Wed Jul 31 02:39:33 2019
Charted by Depth in Feet scaled 1:240

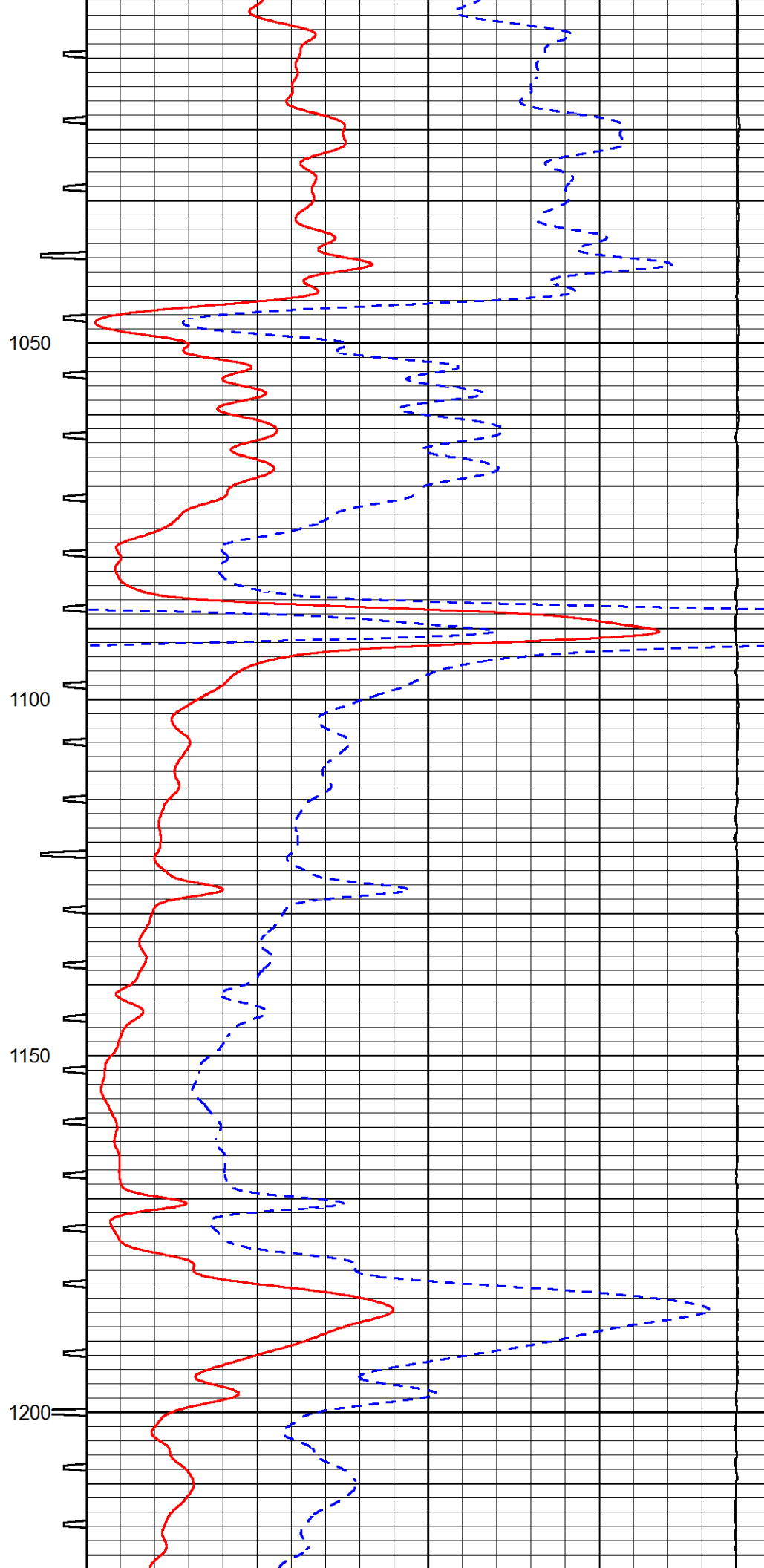
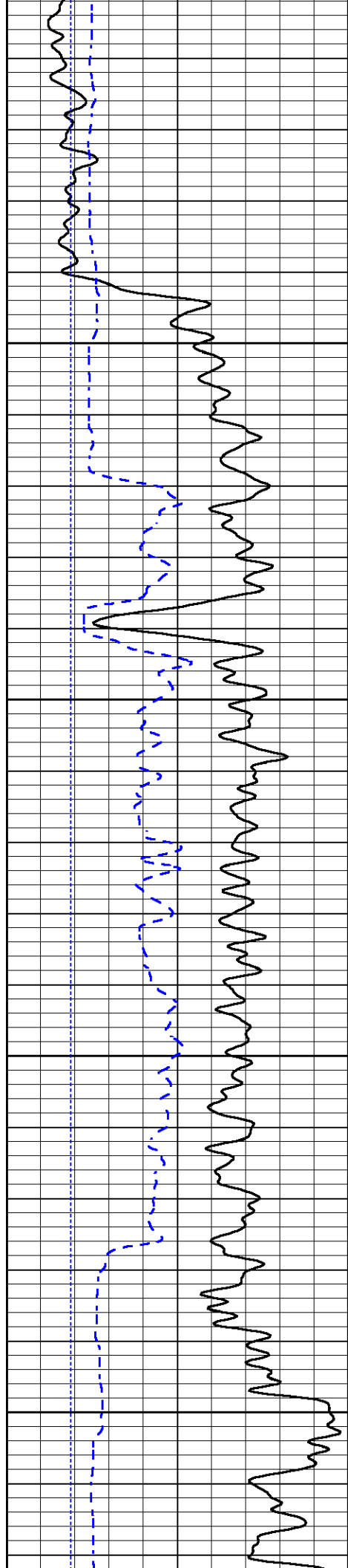
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	DCAL (in)	16		15000	LTEN (lb) (lb)	0

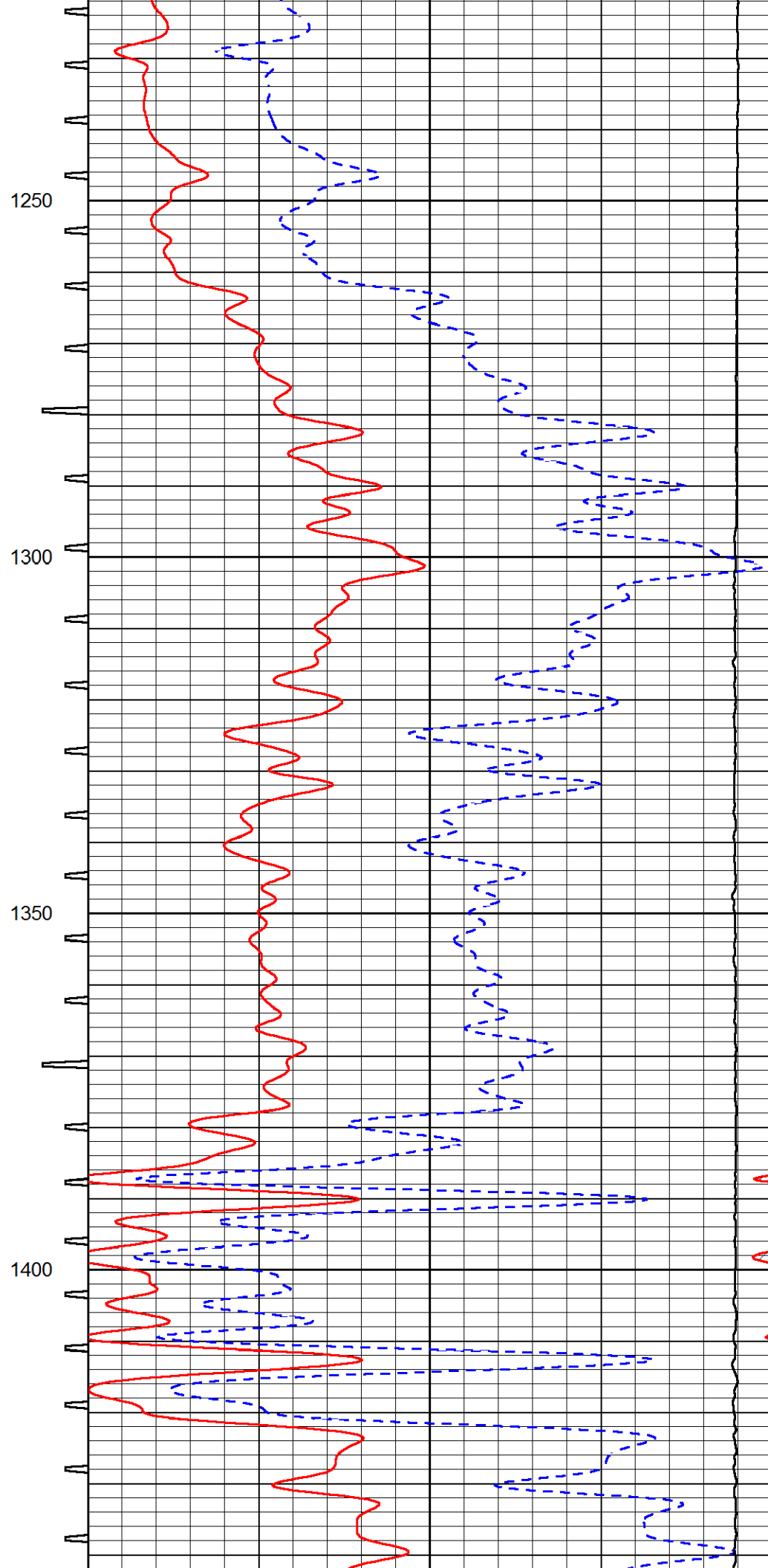
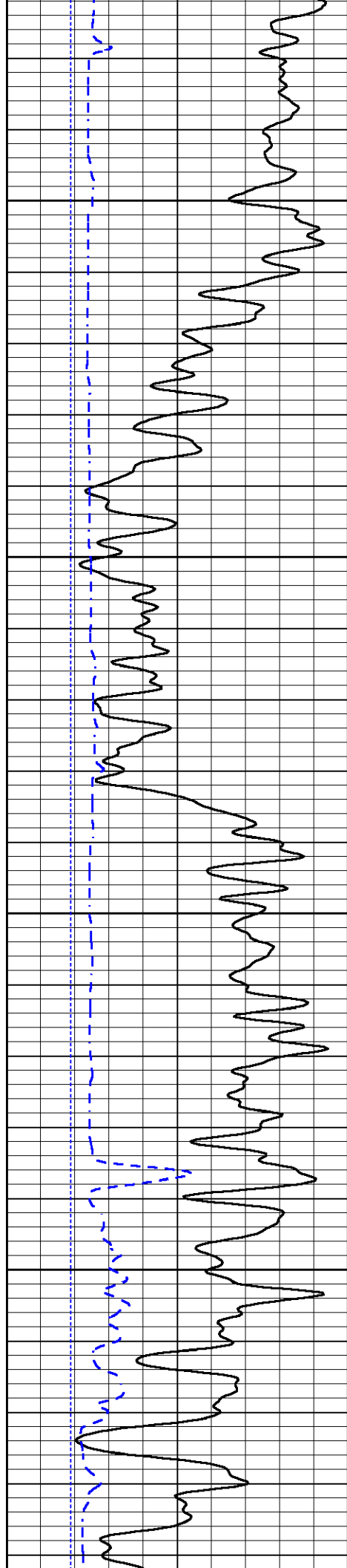


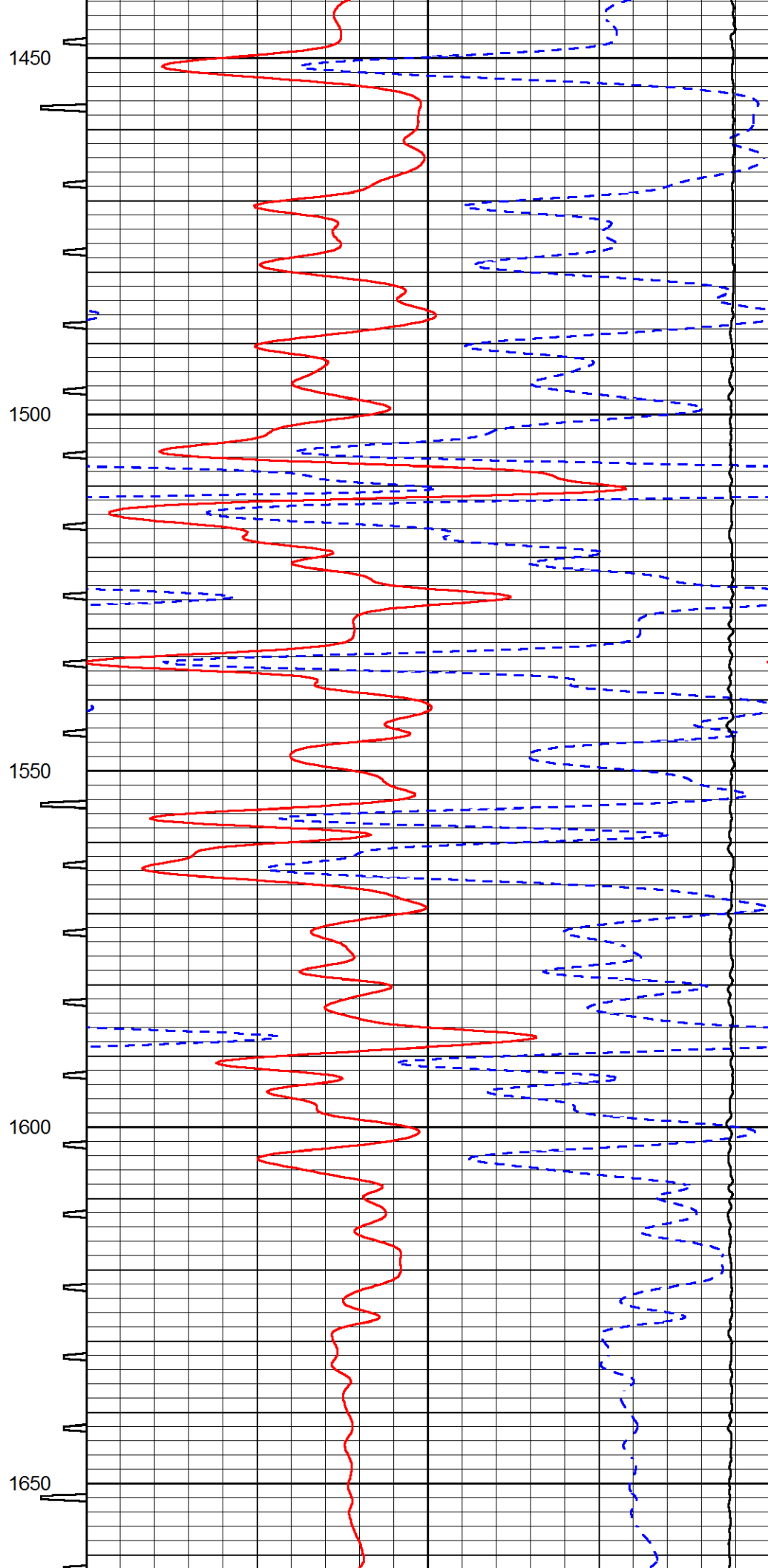
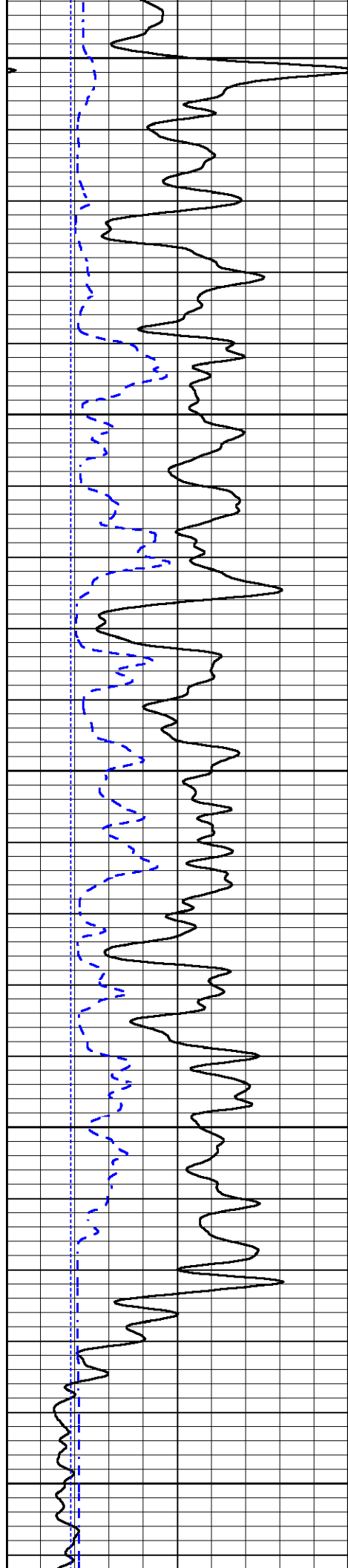


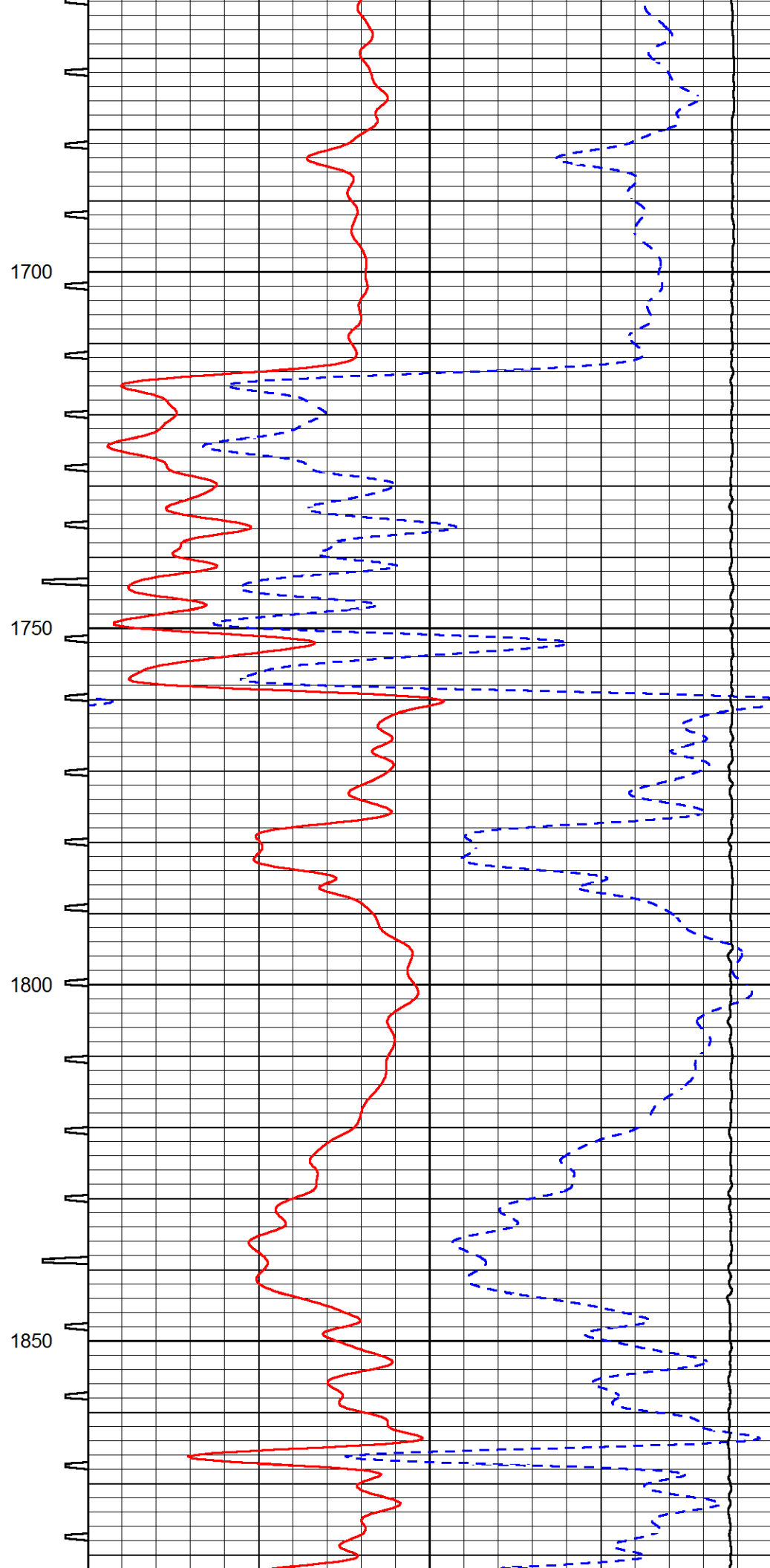
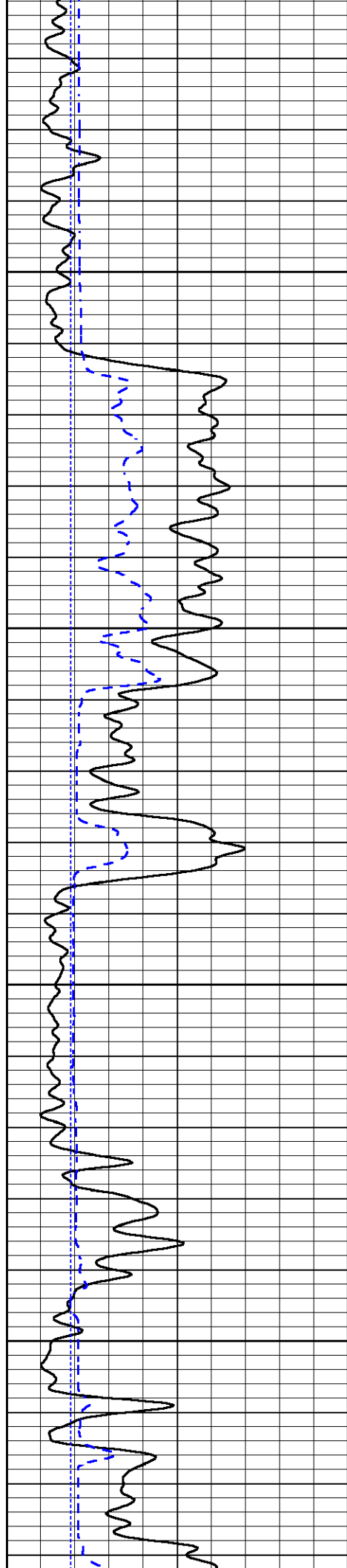


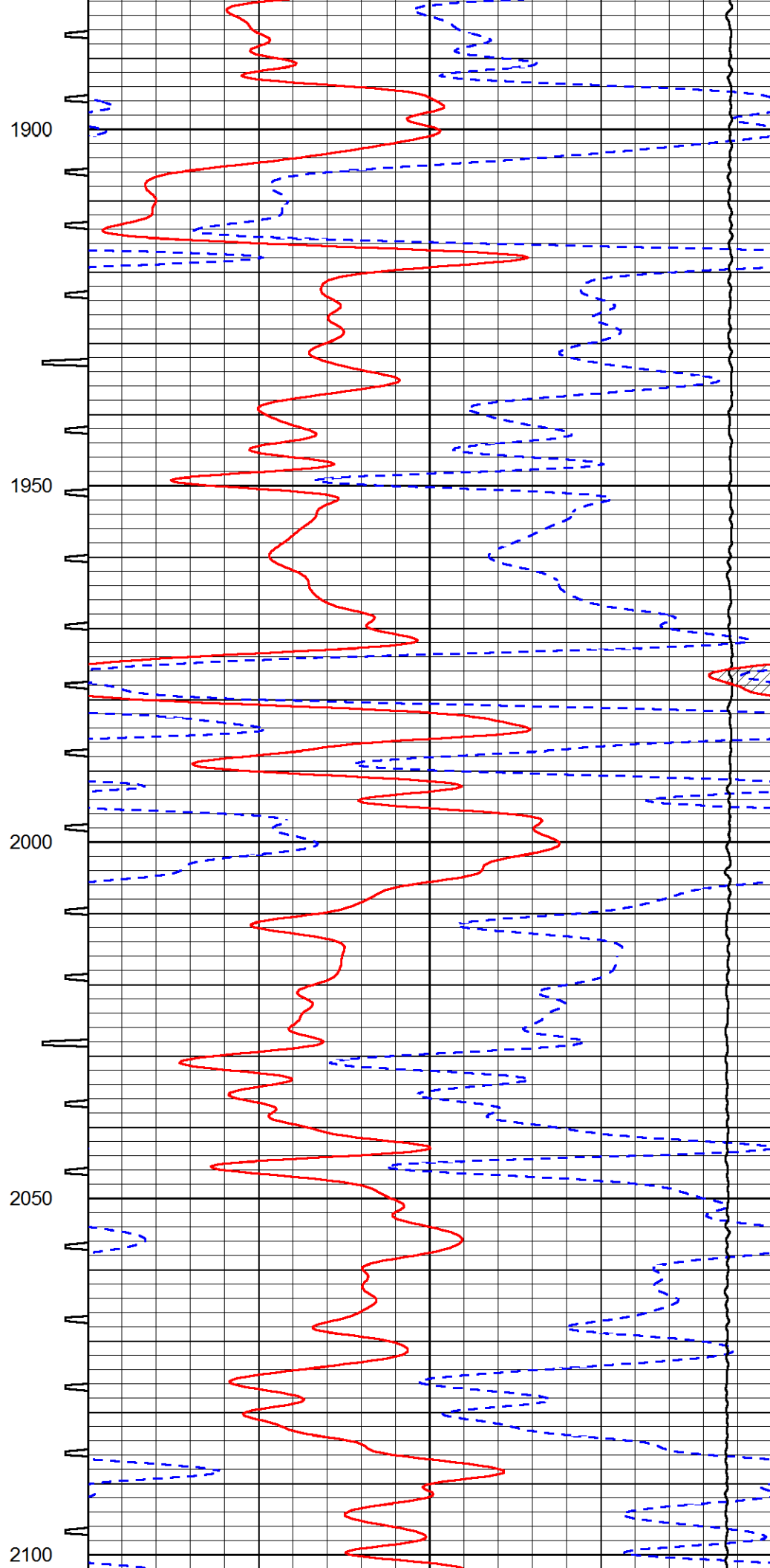
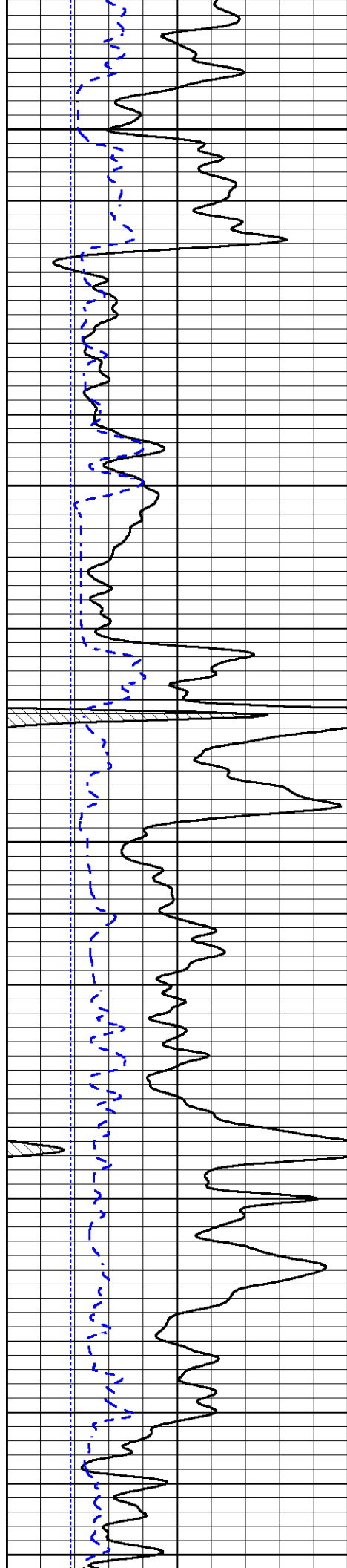


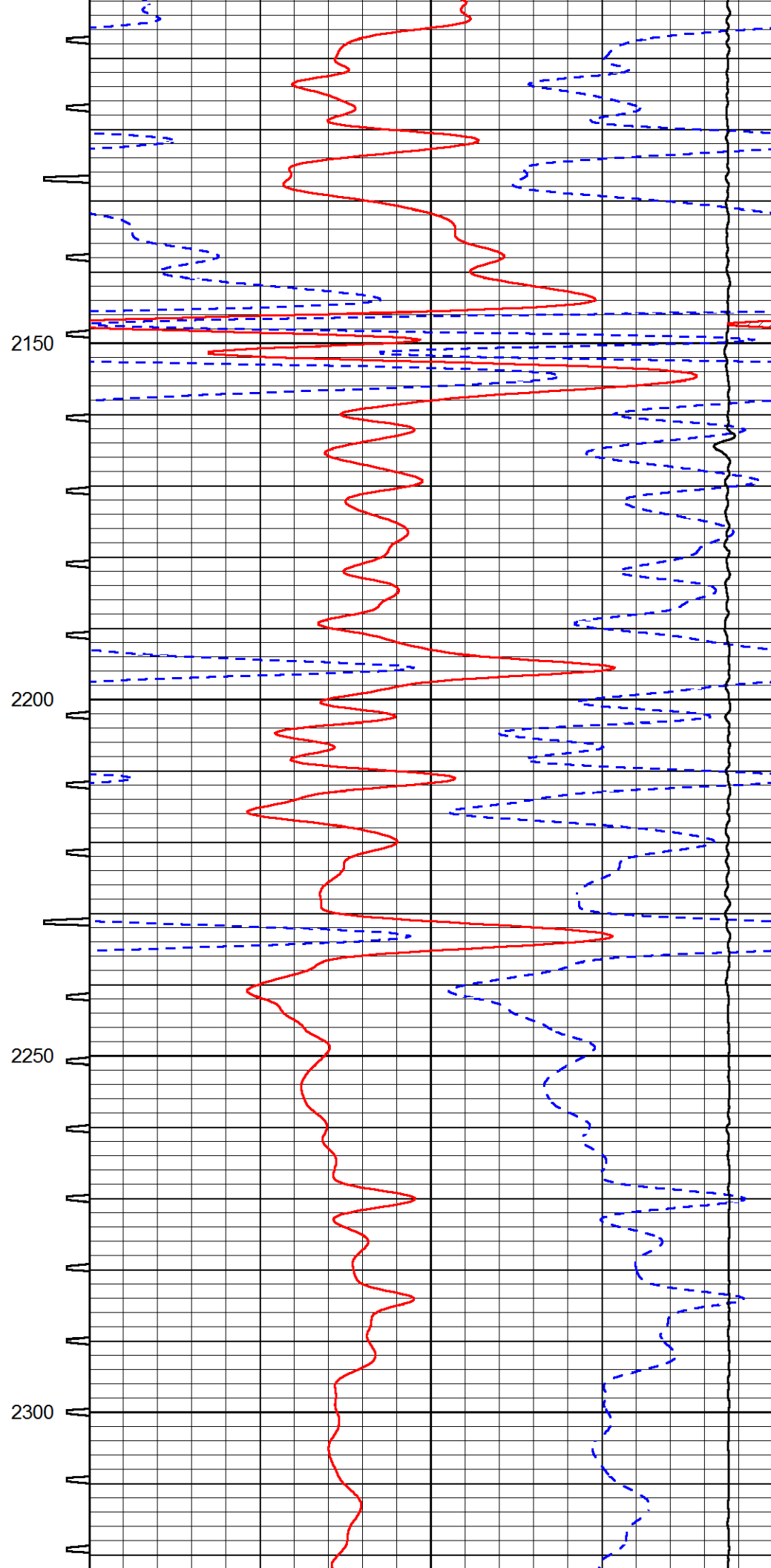
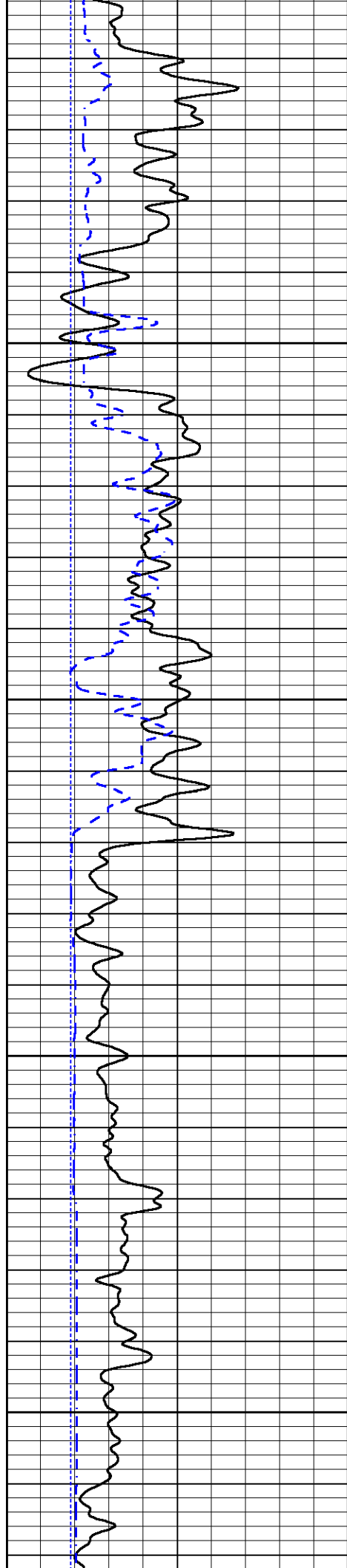


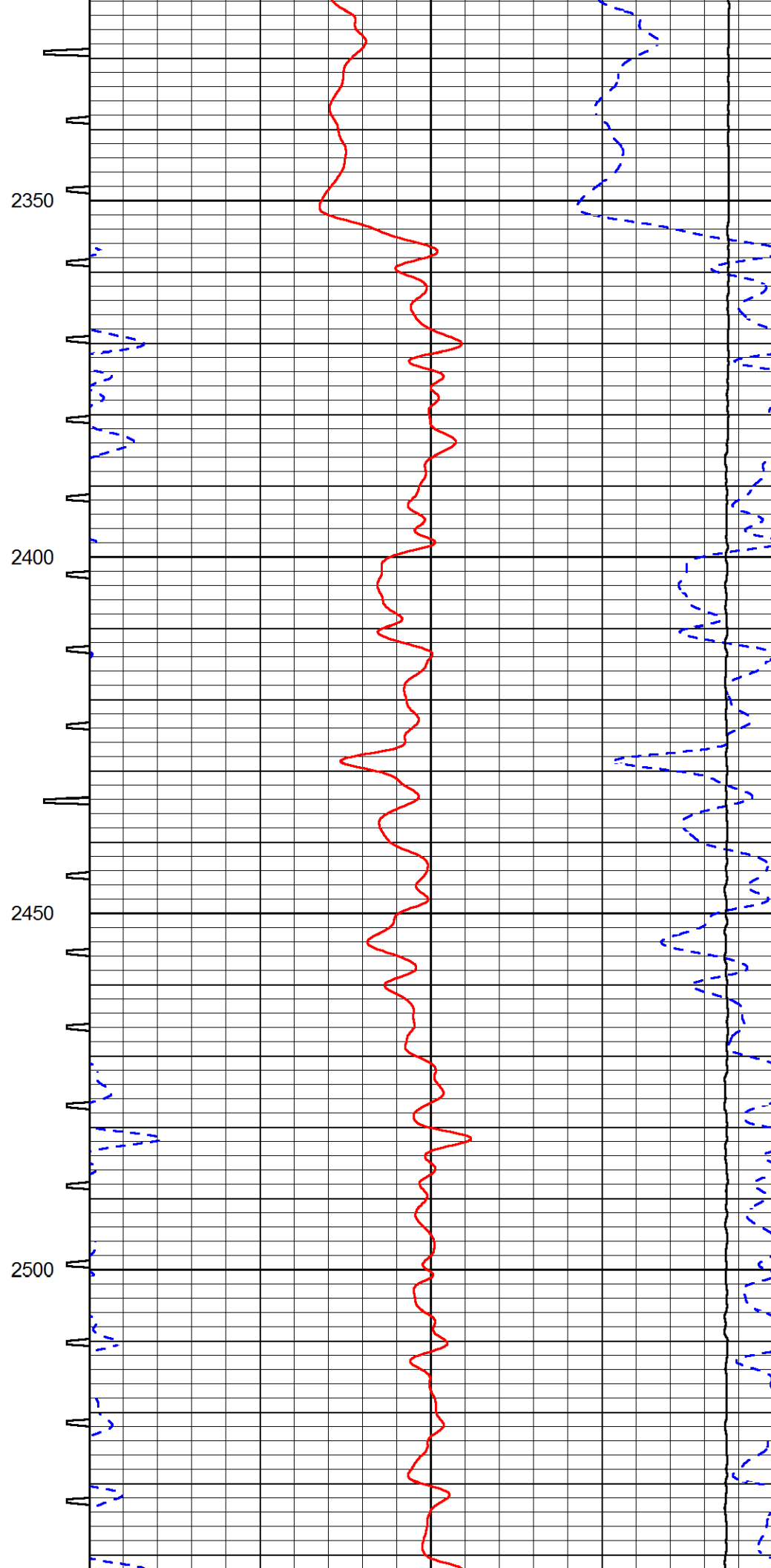
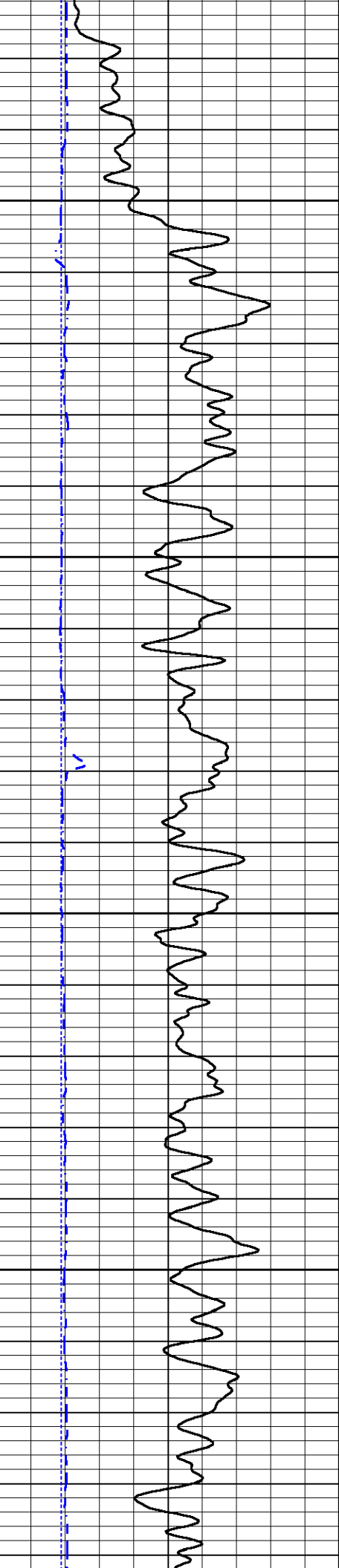


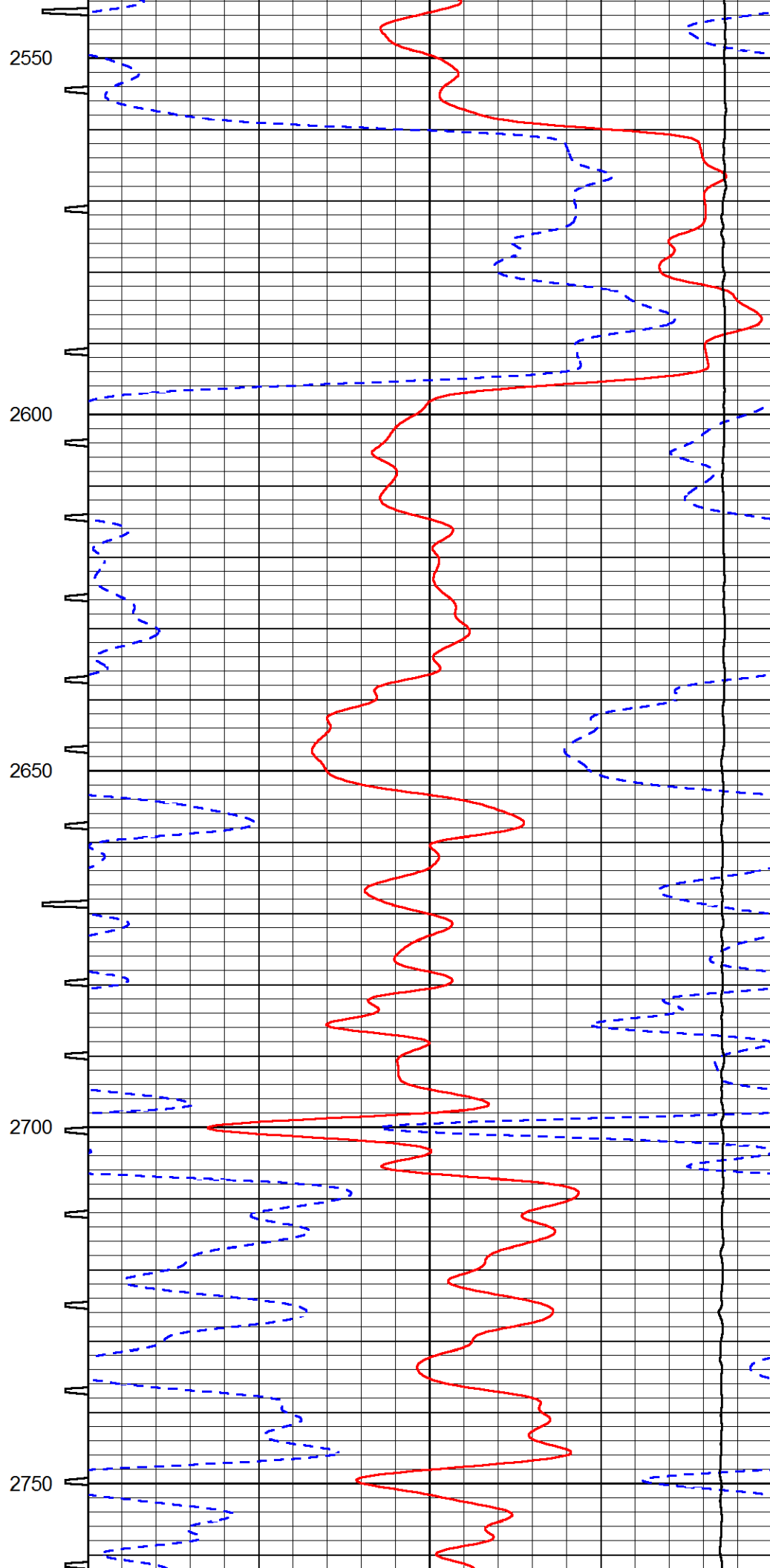
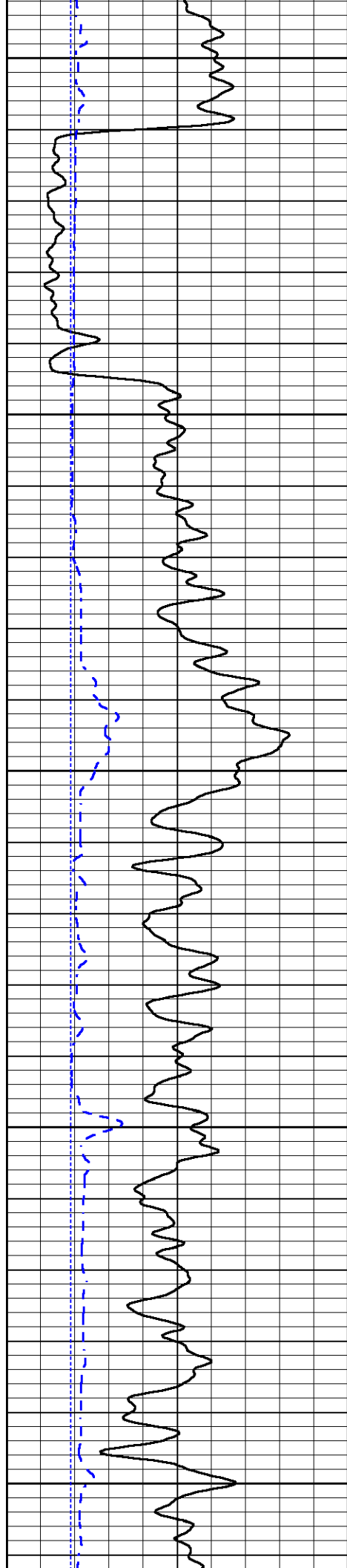


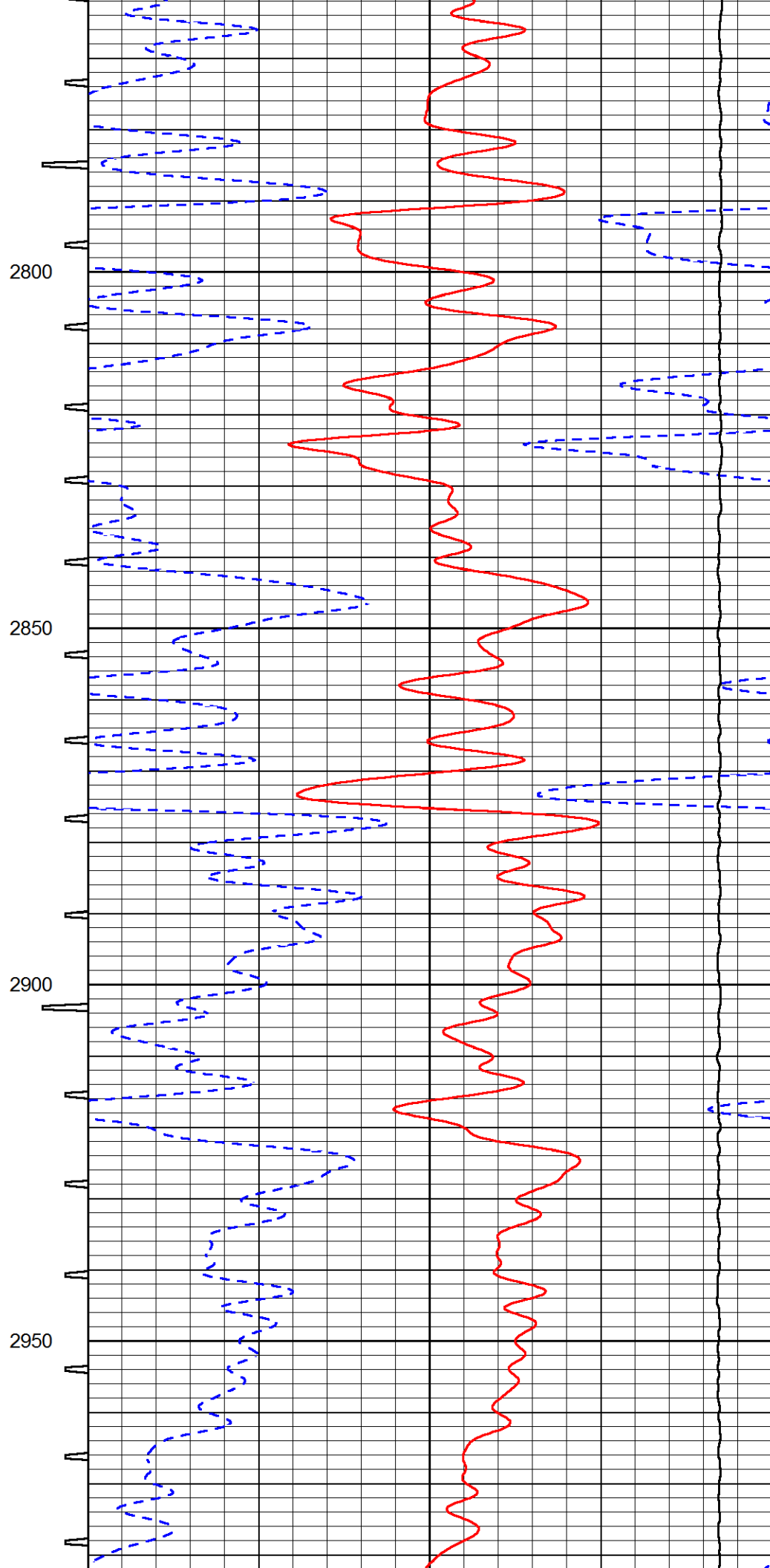
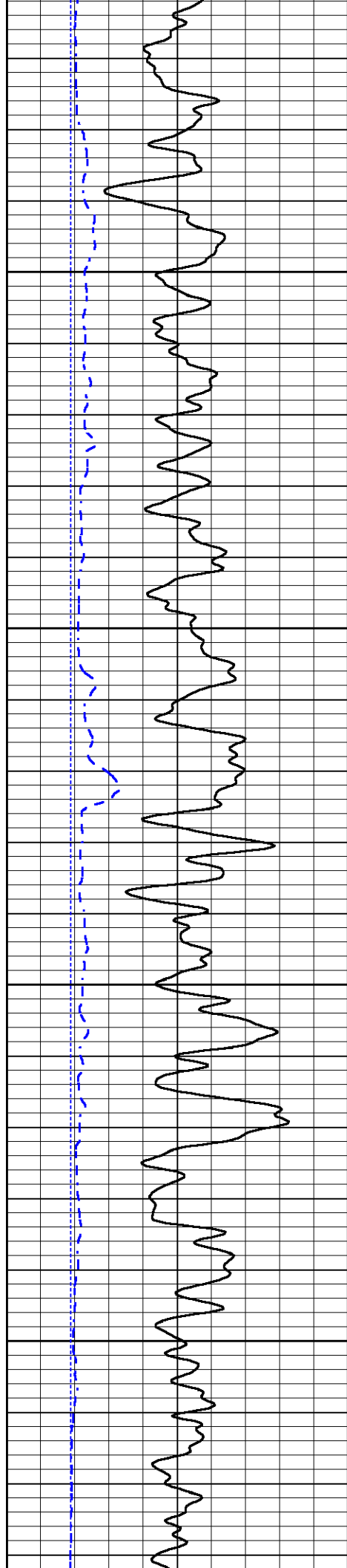


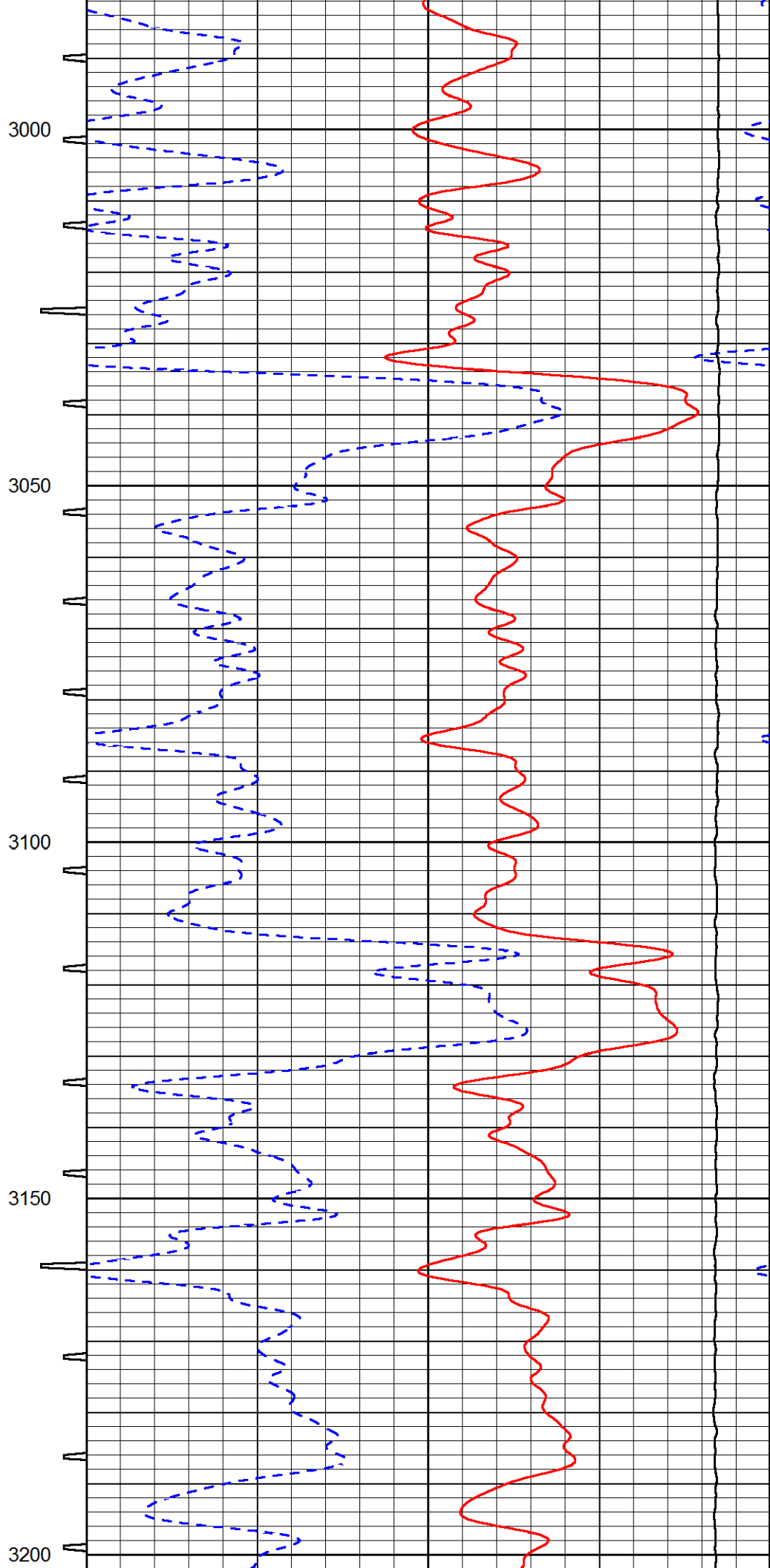
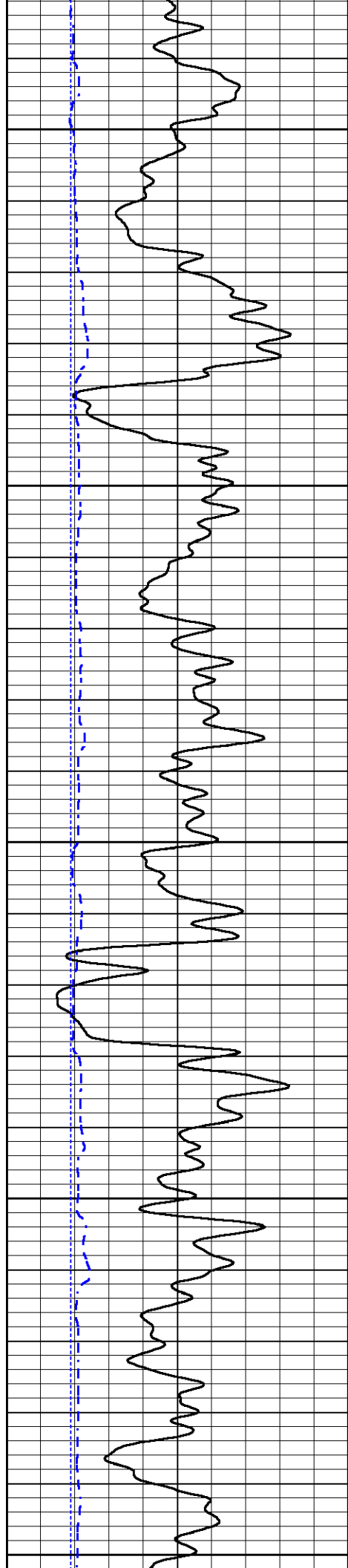


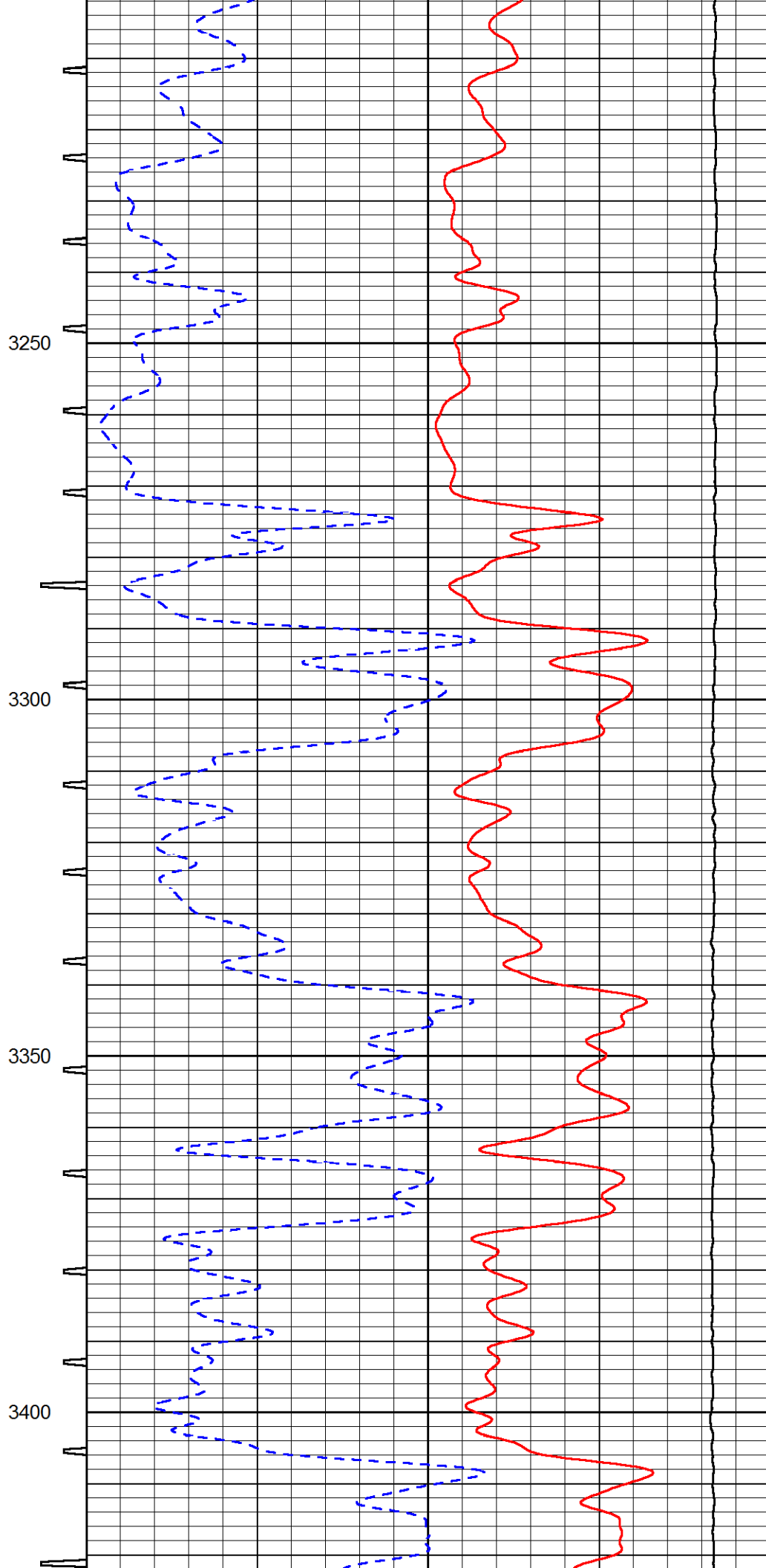
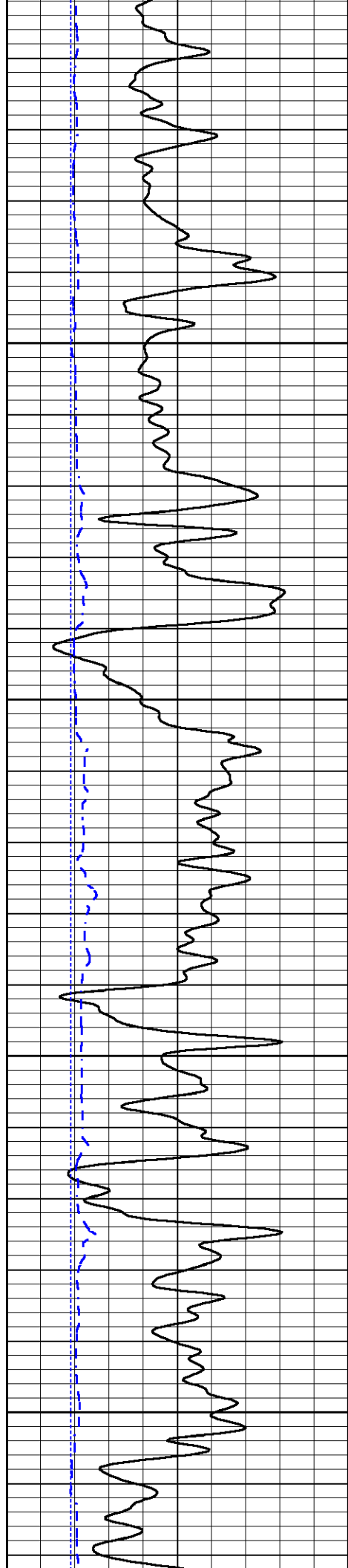


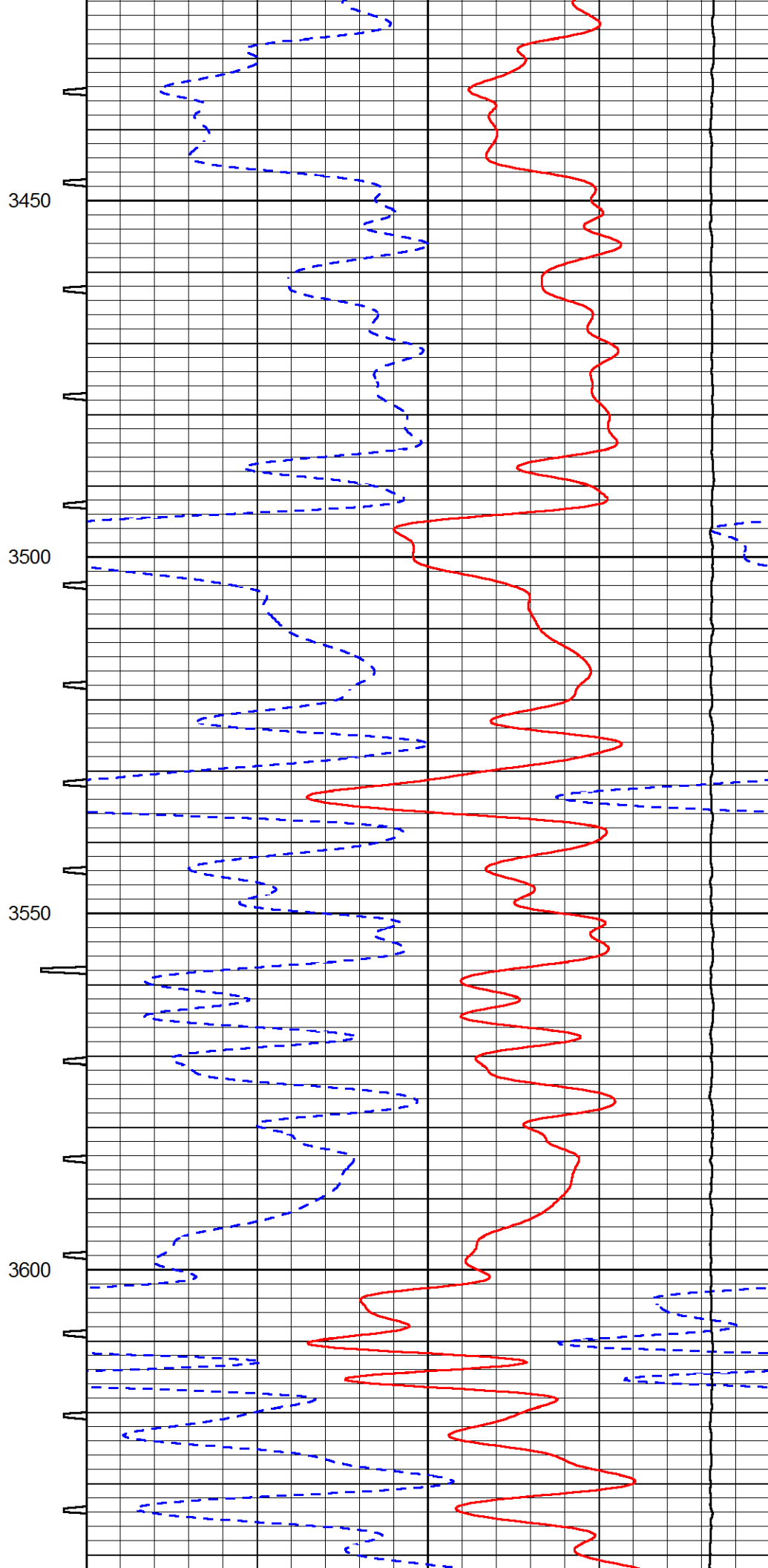
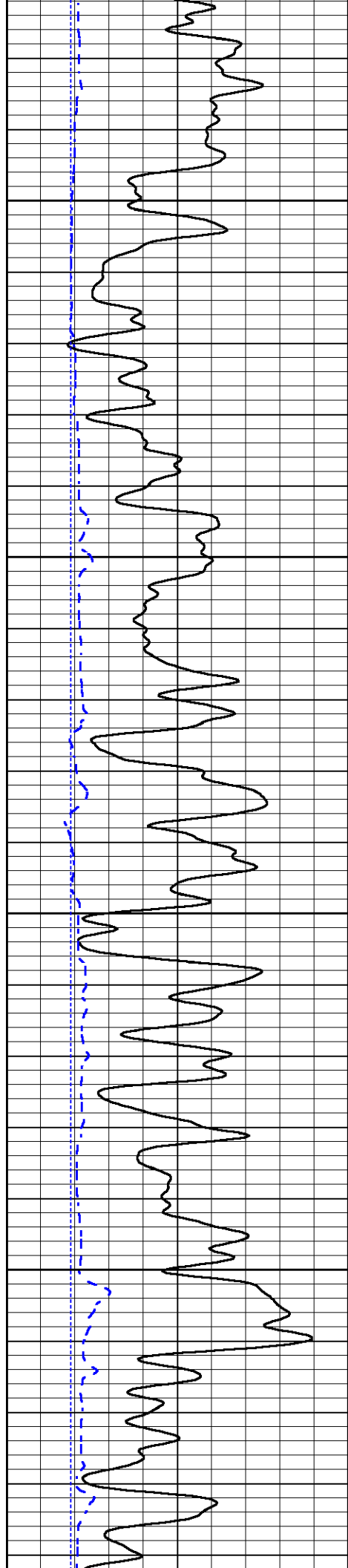


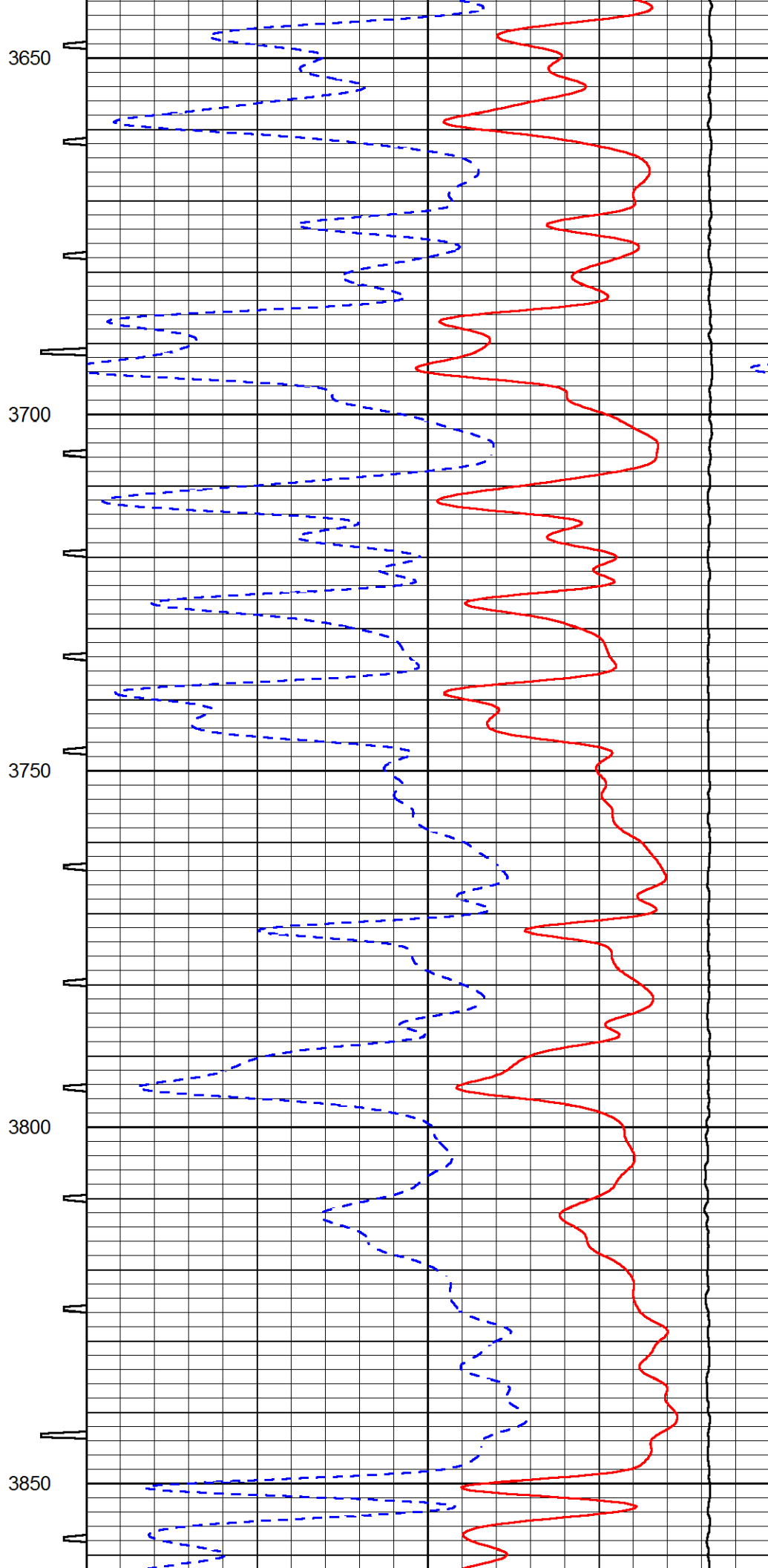
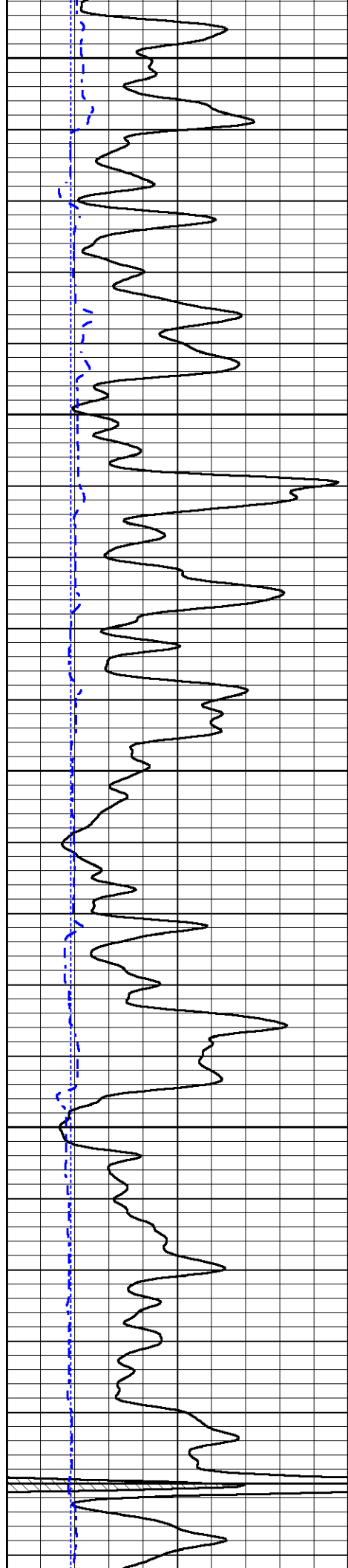


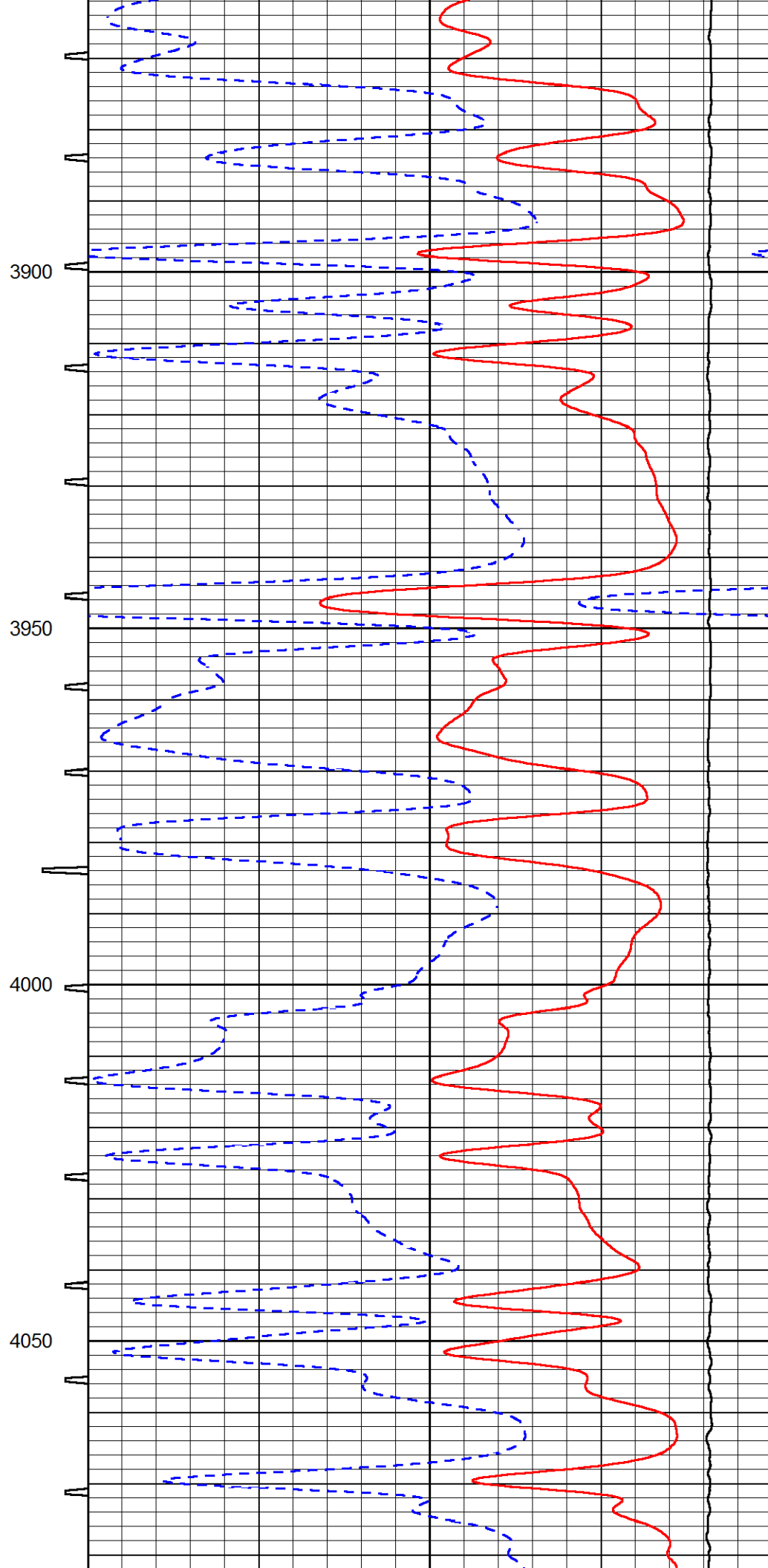
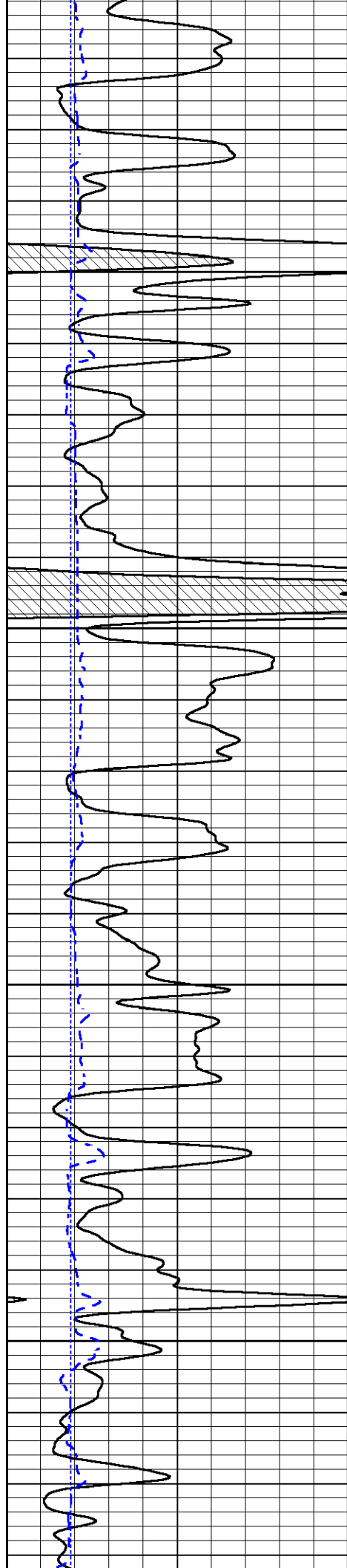


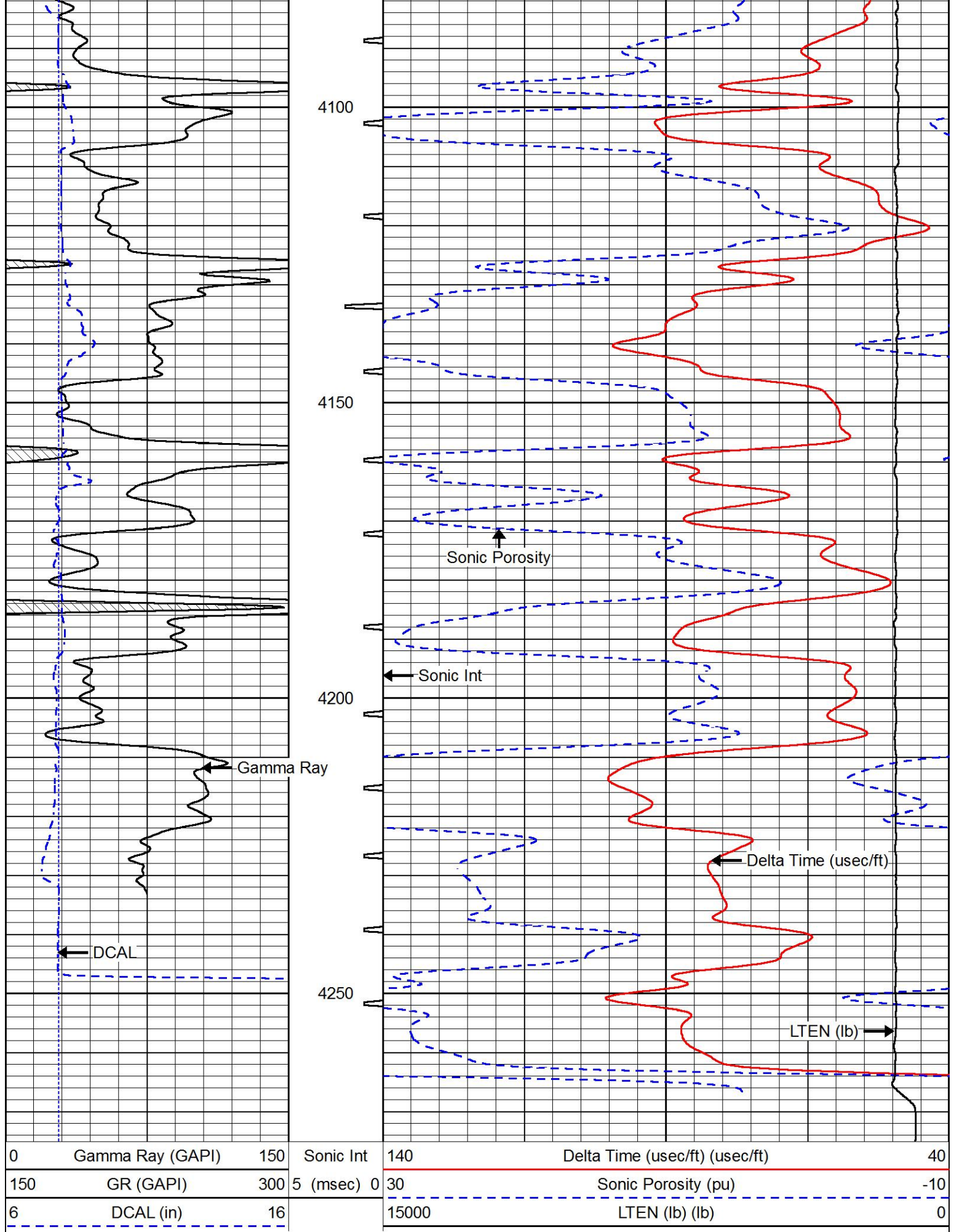








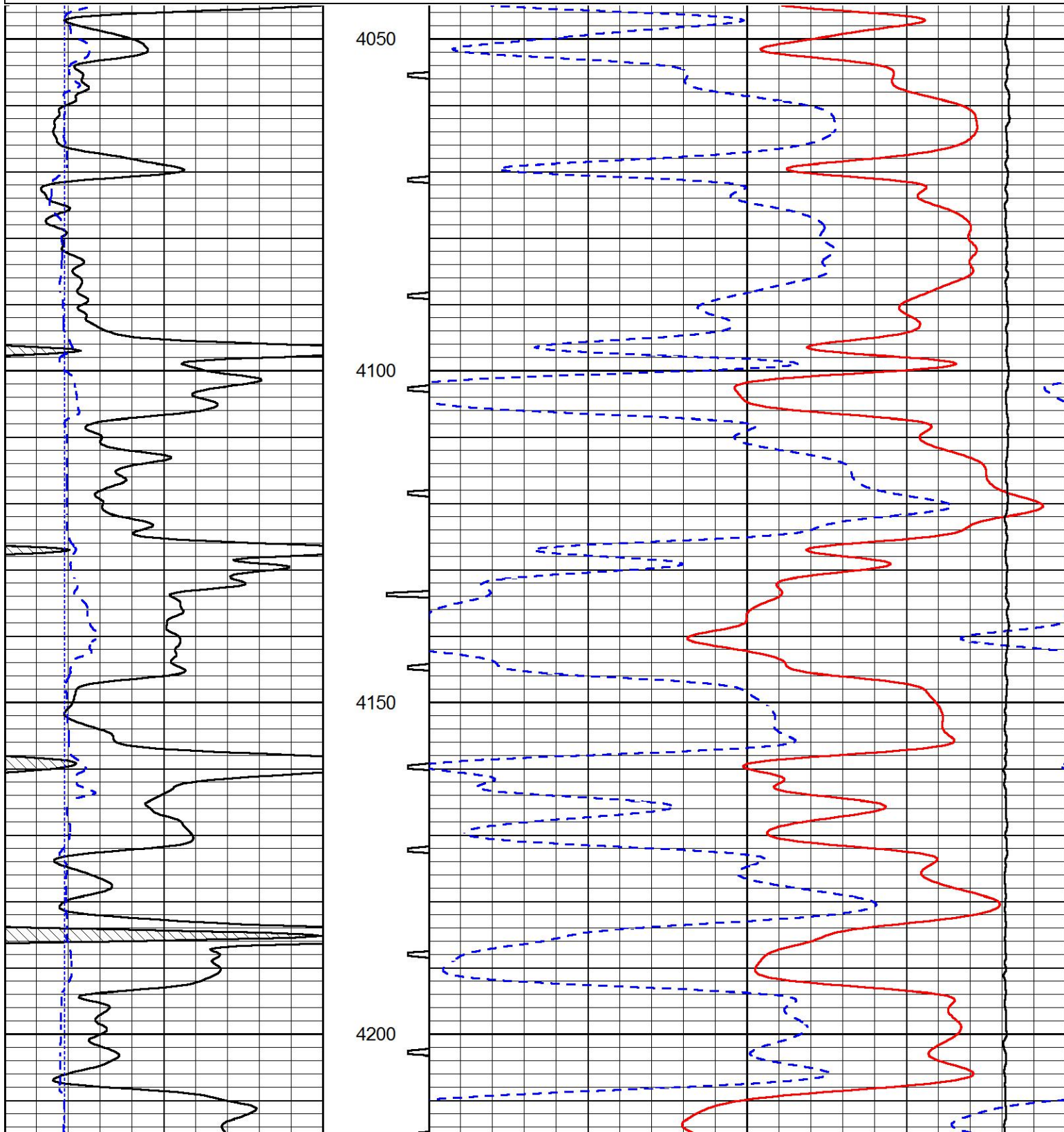


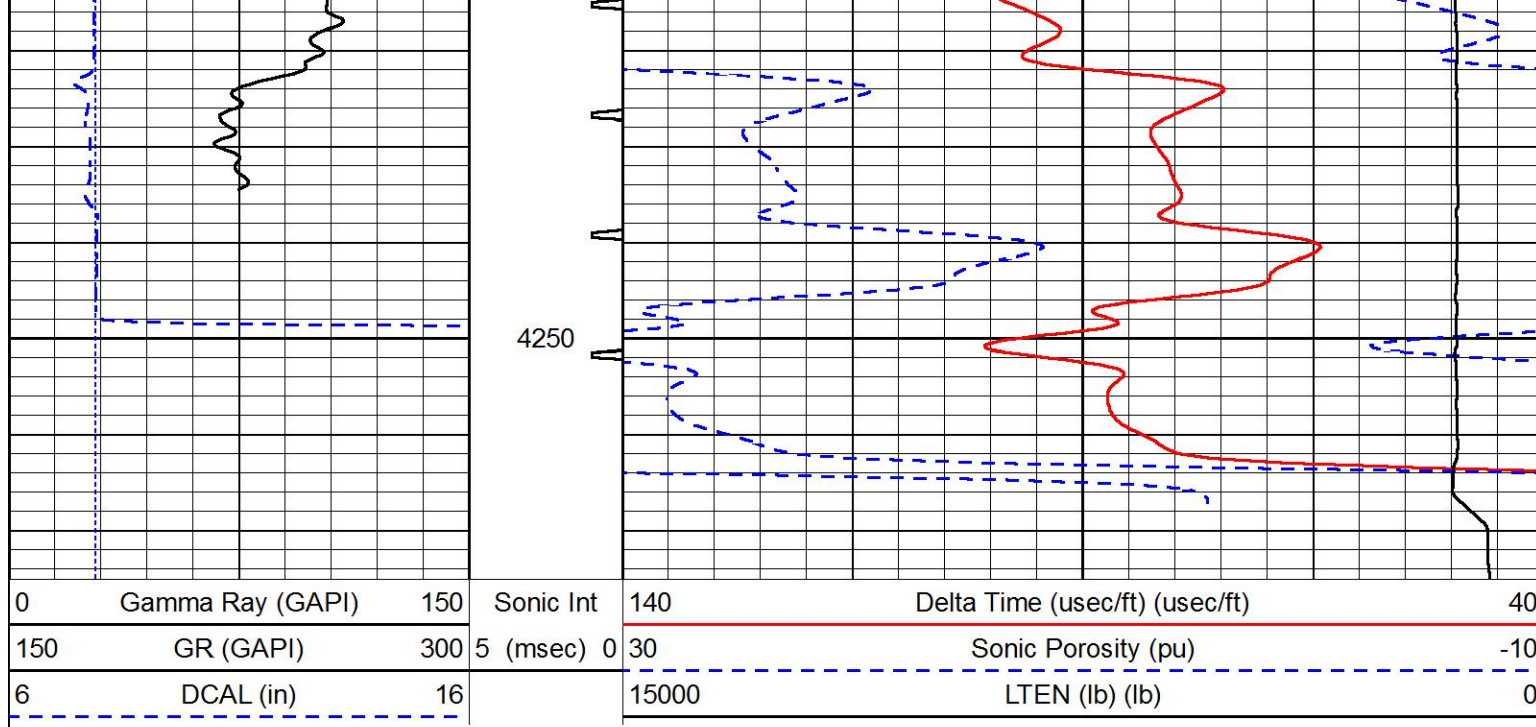


REPEAT SECTION

Database File james_production_best_1_1.db
 Dataset Pathname stackmel/pass2.1
 Presentation Format _sonic
 Dataset Creation Wed Jul 31 01:38:11 2019
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	DCAL (in)	16		15000	LTEN (lb) (lb)	0





		Company	JAMES PRODUCTION, INC.
		Well	BEST #1-1
		Field	WILDCAT
		County	SHERIDAN
		State	KANSAS