



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company American Warrior, Inc.
Well Hubin B #1-15
Field N/A
County Hodgeman State Kansas

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Field N/A
County Hodgeman
State Kansas

Location: API #: 15-083-21985-00-00
637' FNL & 1080' FWL
SEC 15 TWP 23S RGE 23W
Permanent Datum Ground Level Elevation 2338'
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
Other Services
DIL/MEL
K.B. 2351'
D.F. N/A
G.L. 2338'

Date 4/20/2021

Run Number One

Type Log CNL/CDL

Depth Driller 4900'

Depth Logger 4901'

Bottom Logged Interval 4872'

Top Logged Interval 2500'

Type Fluid In Hole Chemical

Salinity, PPM CL 5700

Density 9.45

Level Full

Max. Rec. Temp. F 125

Operating Rig Time 4 Hours

Equipment -- Location P-24 HAYS

Recorded By D. Schmidt

Witnessed By Kevin Timson

Run No. Bit From To Size Wgt. From To

One 12.25" 0' 268' 8.625" 23# 0' 268'

Two 7.875" 268' TD

<<< Fold Here >>>

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

Jetmore,
1 East to 119 Rd,
2 South to K Rd, 2 East,
South into

Log Measured From: Kelly Bushing

13 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Kevin Timson
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\american warrior_hubin 1-15.db
Dataset field/well/stkml/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	125	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	420	40		4901

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

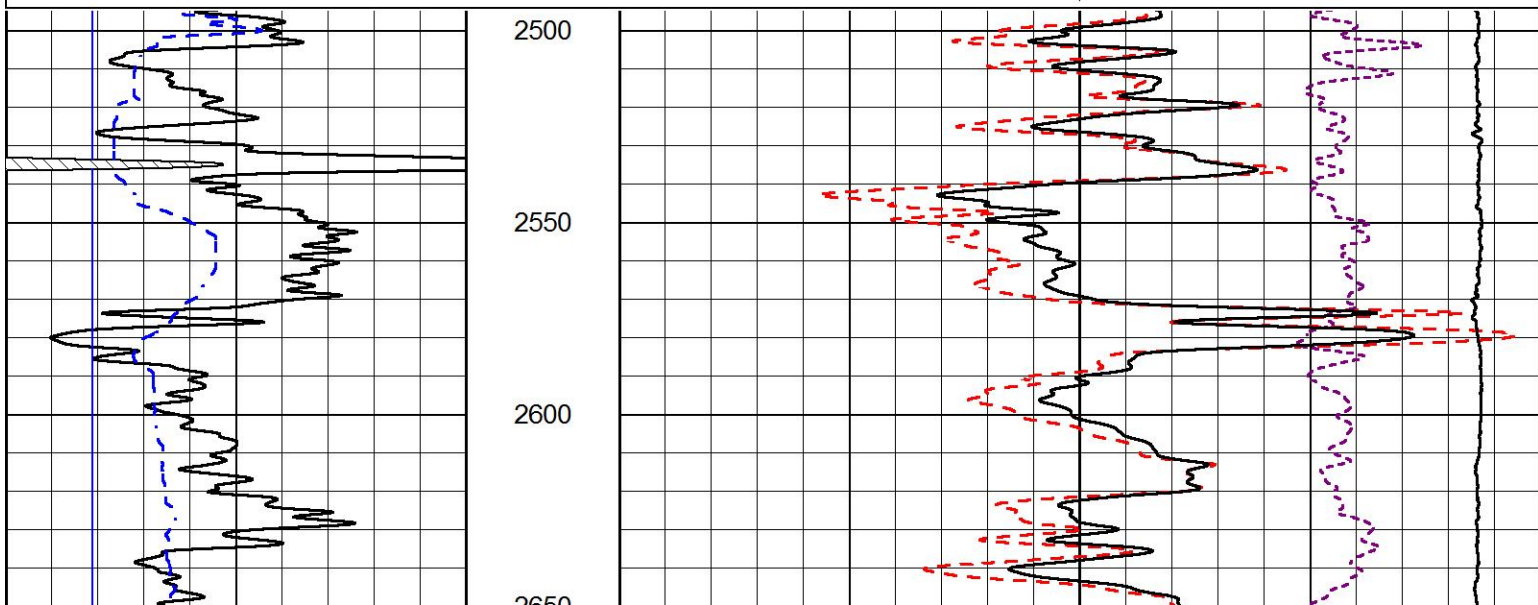


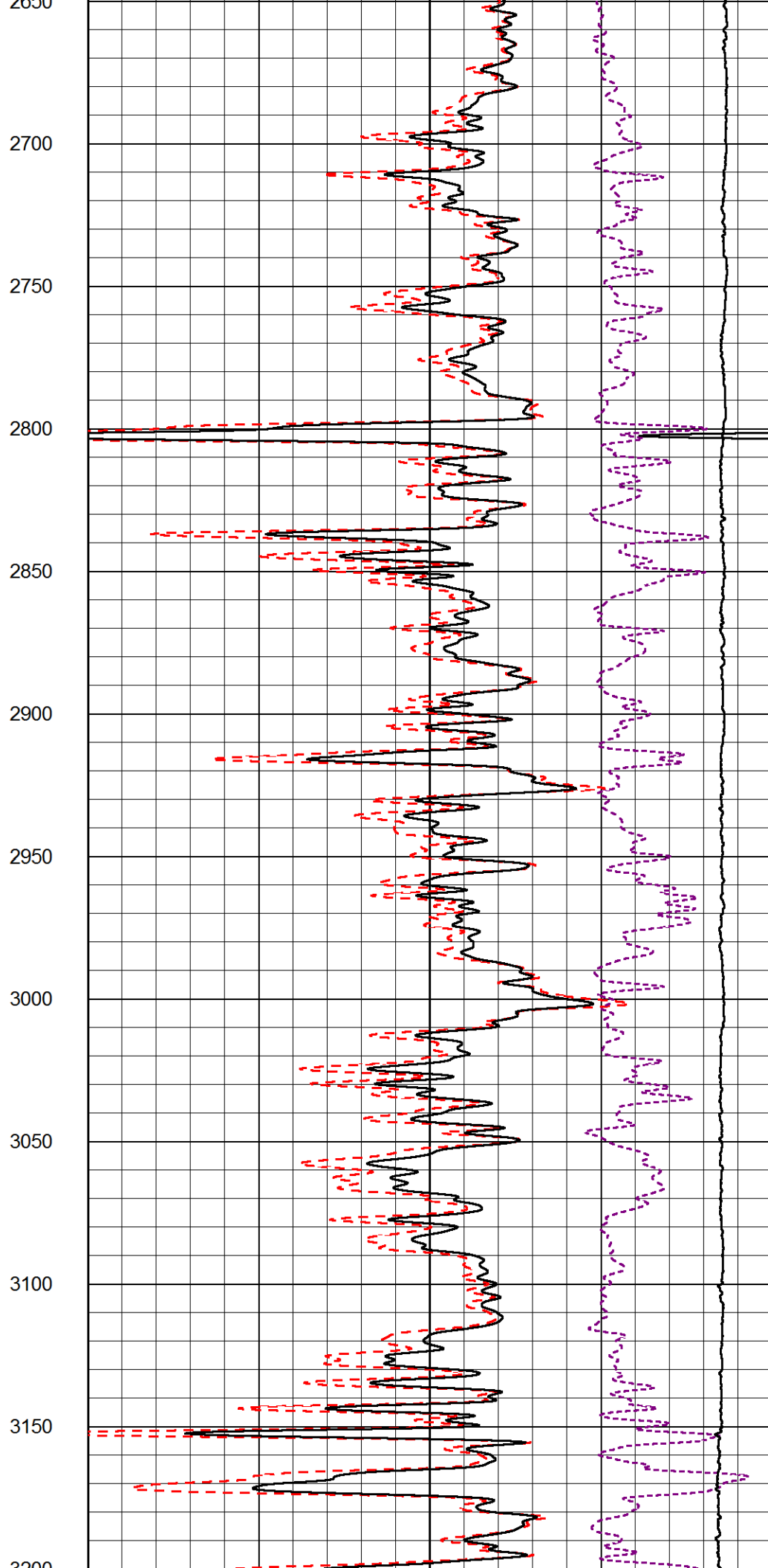
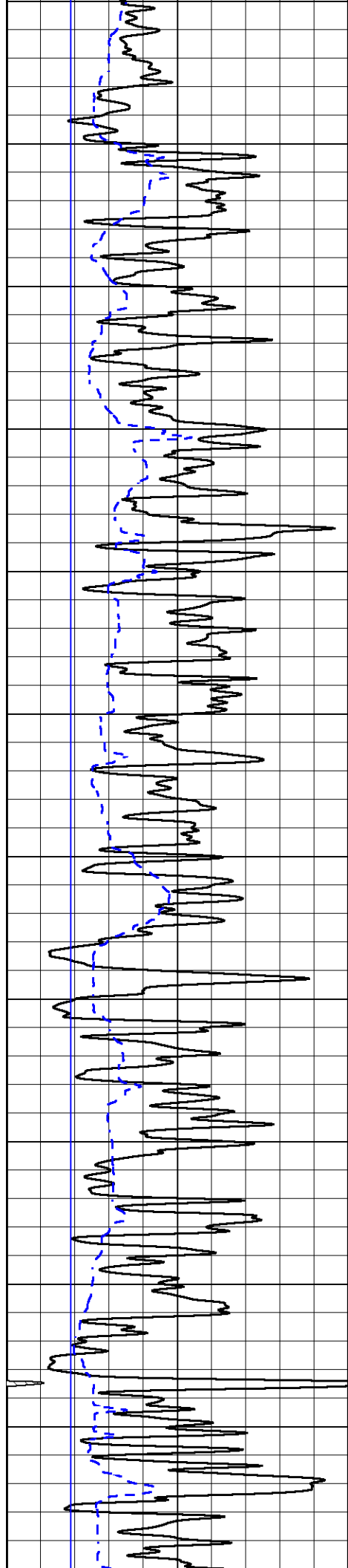
2" SCALE BULK DENSITY

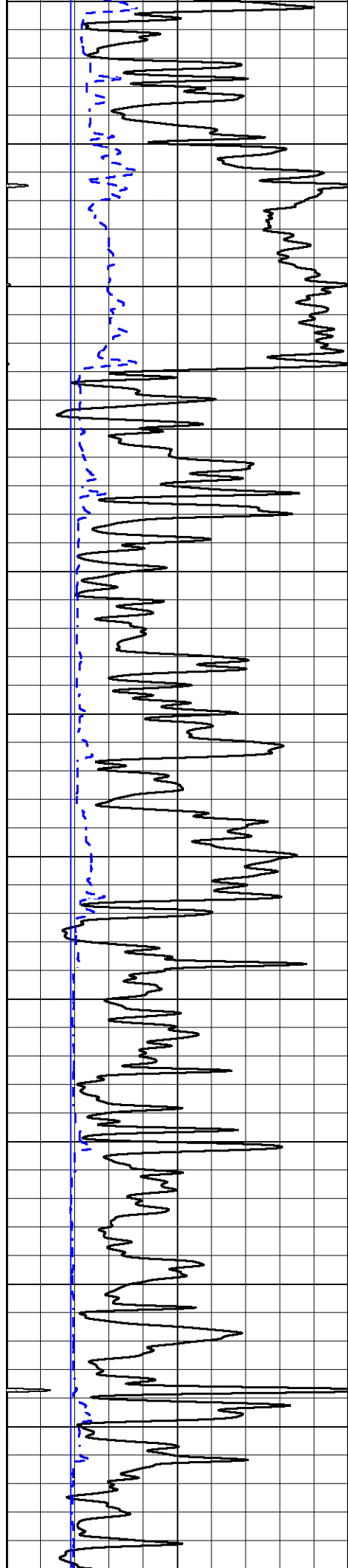
MAIN PASS

Database File american warrior_hubin 1-15.db
Dataset Pathname stkml/pass4.1
Presentation Format _cdl
Dataset Creation Tue Apr 20 14:23:57 2021
Charted by Depth in Feet scaled 1:600

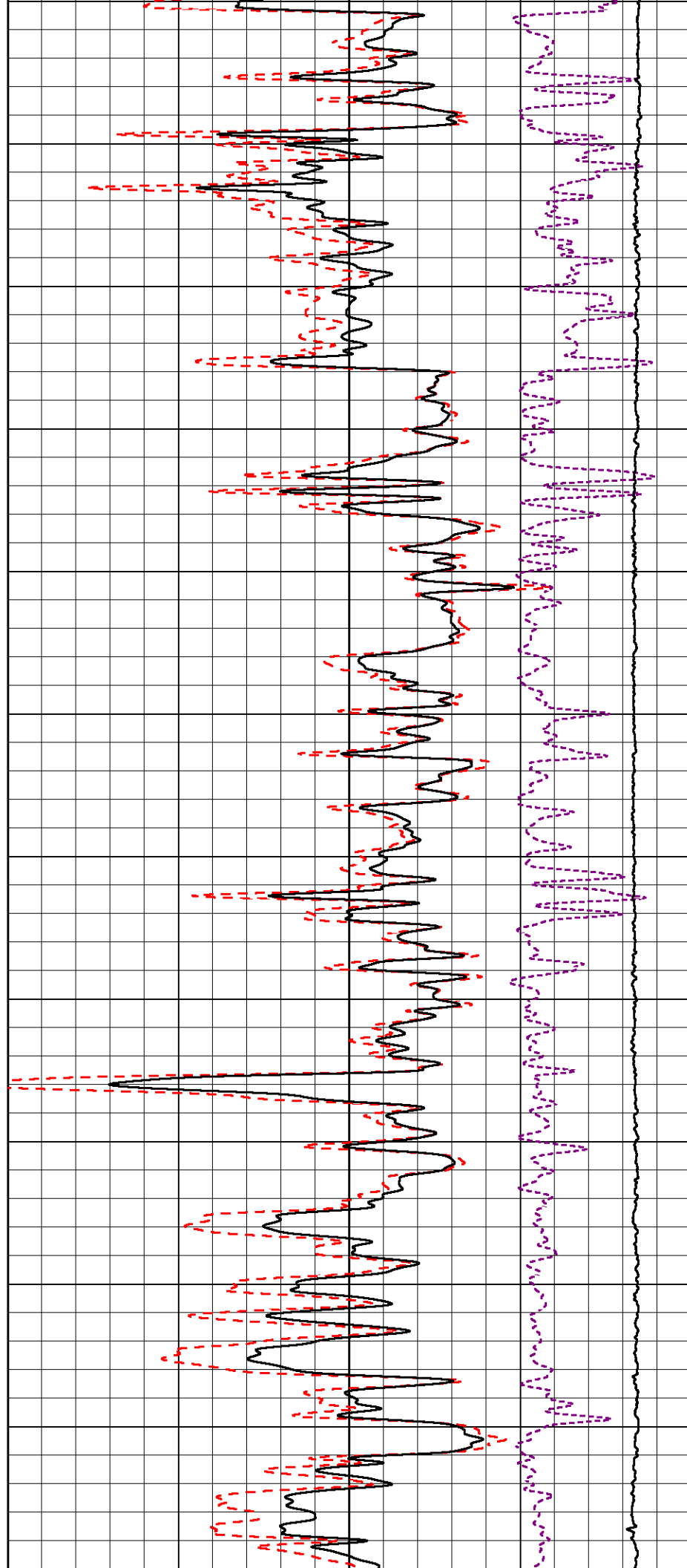
0	GAMMA RAY (GAPI)	150
6	DCAL (in)	16
COMPENSATED DENSITY (2.65 MA)		
30	(pu)	-10
2	BULK DENSITY (g/cc)	3
15000	LINE TENSION (lb)	0
-0.25	CORRECTION (g/cc)	0.25

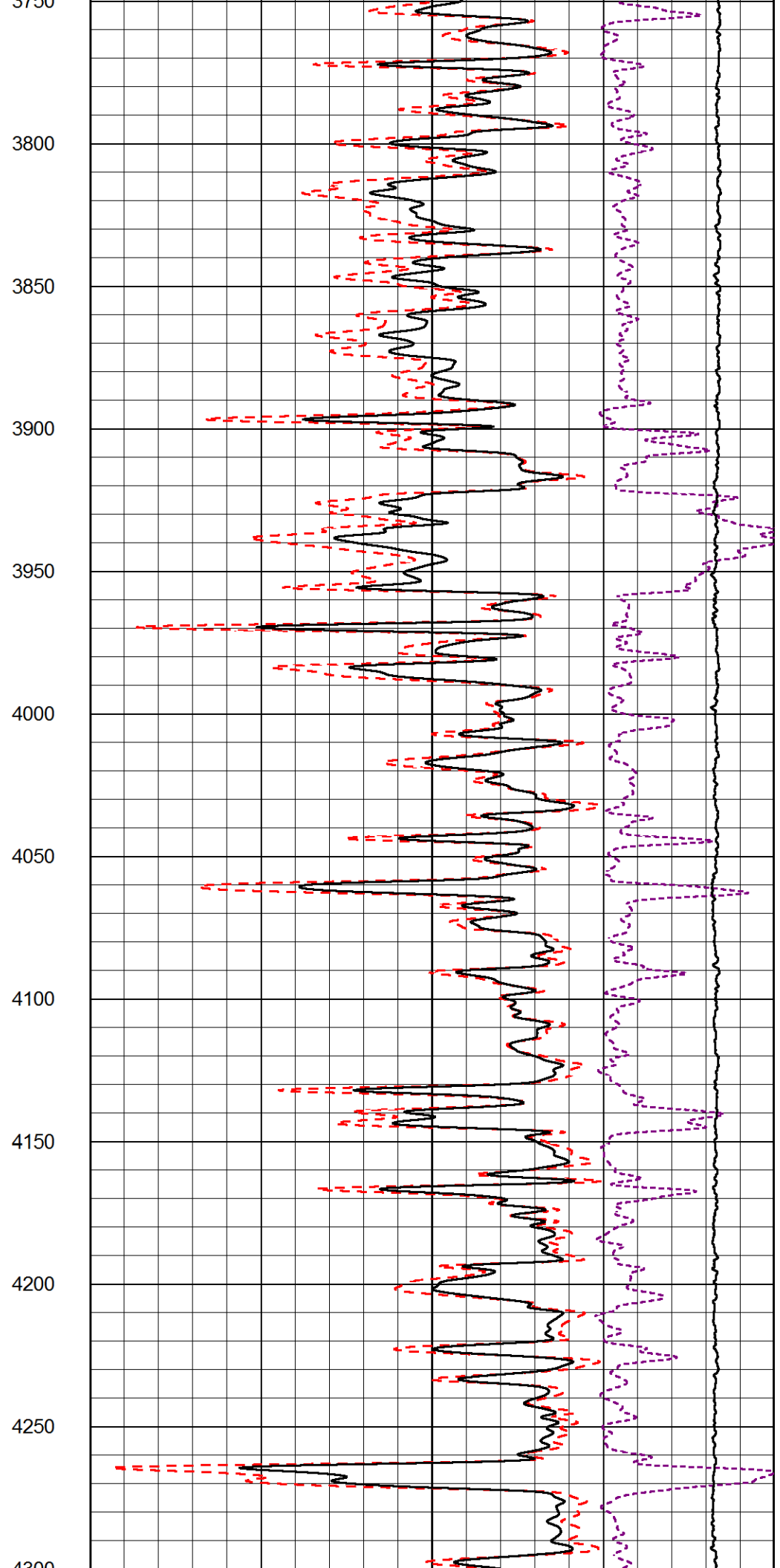
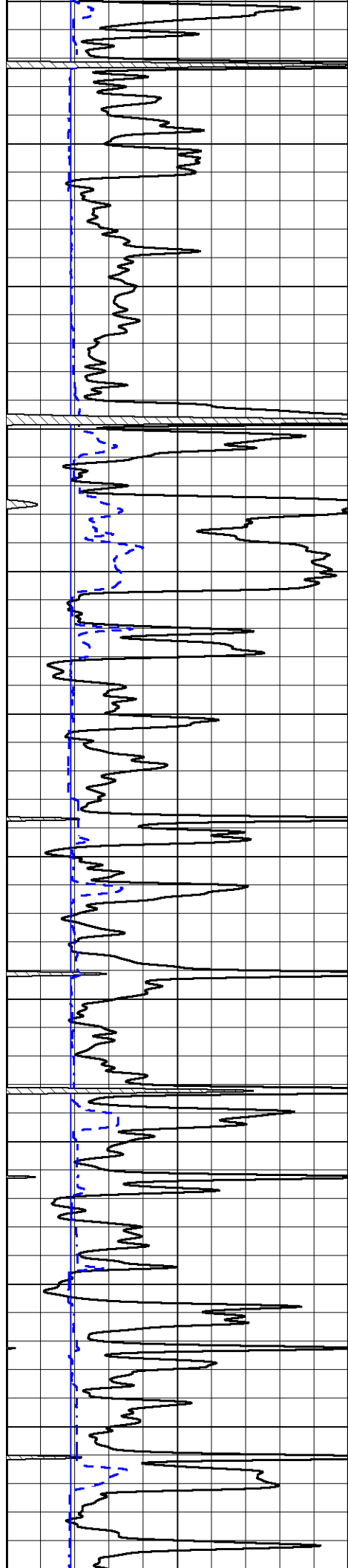


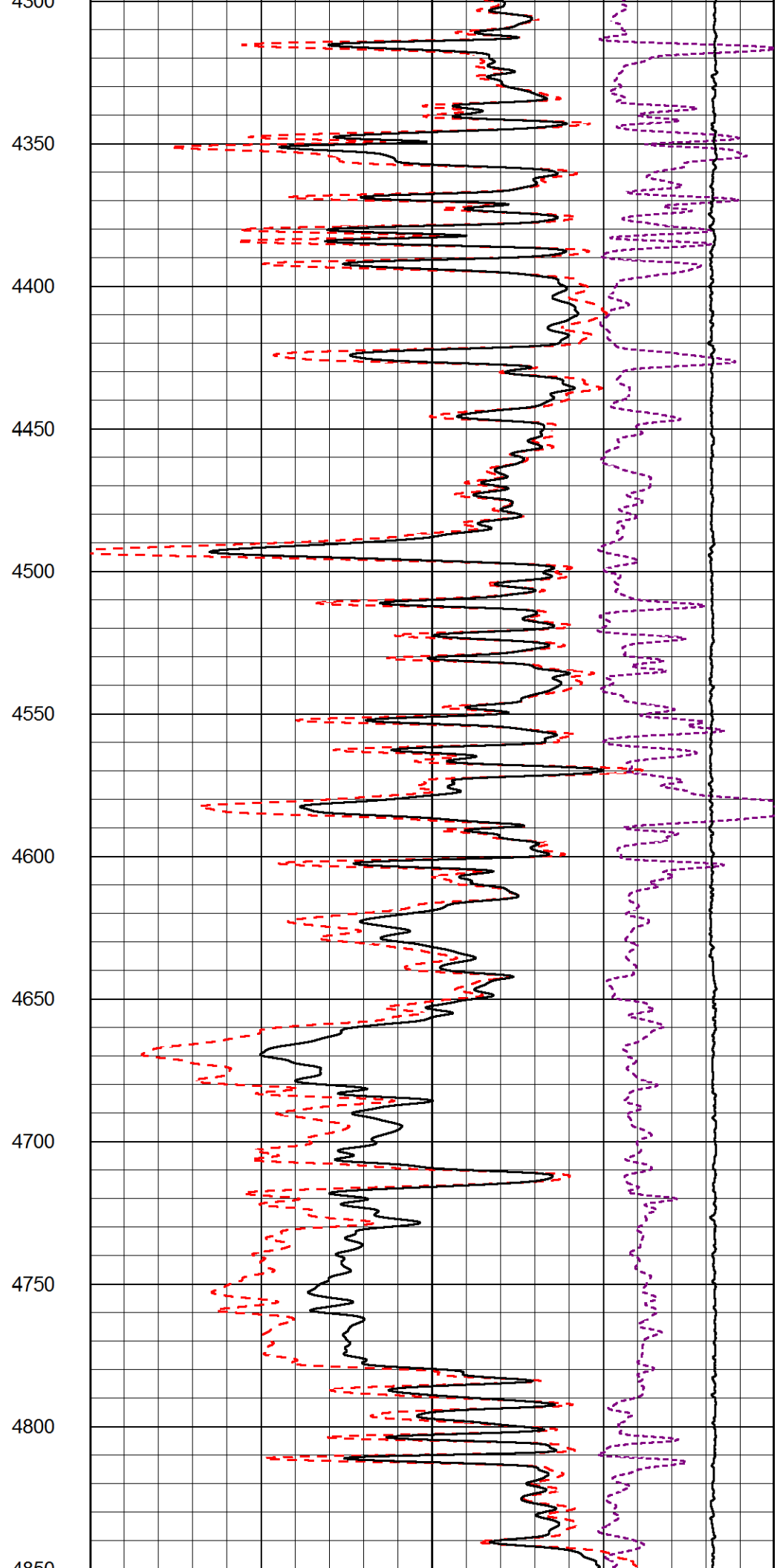
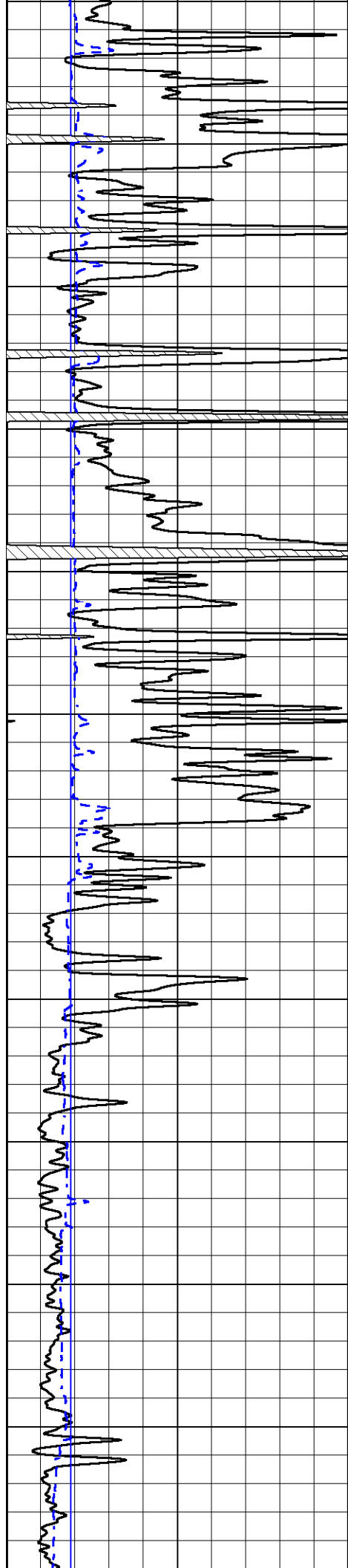


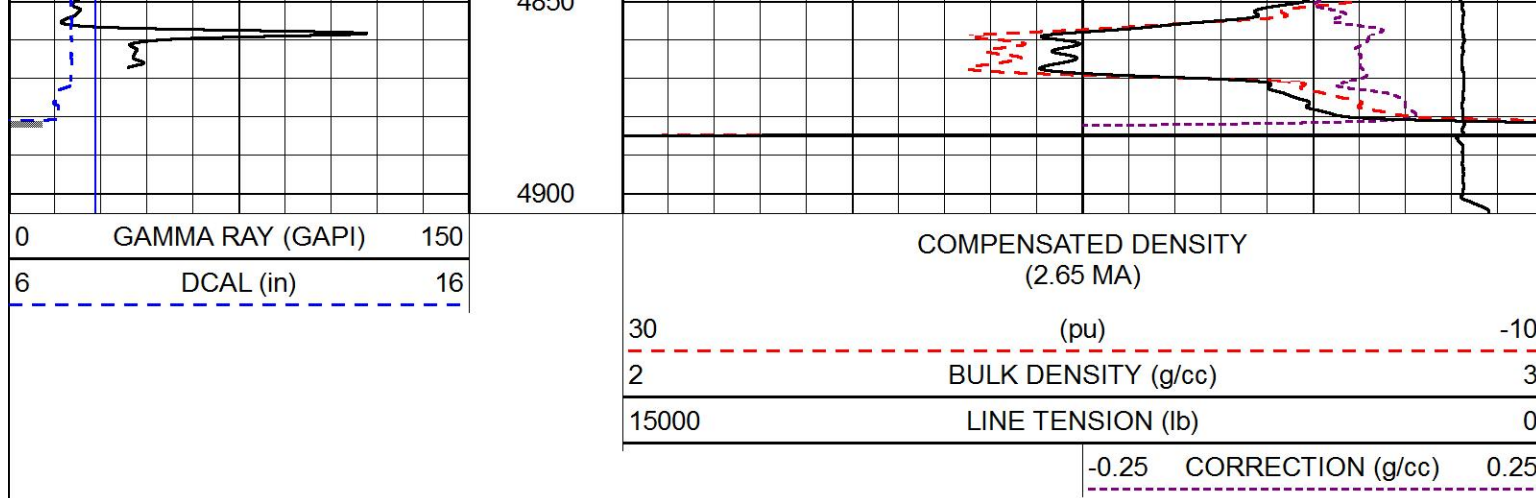


3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750





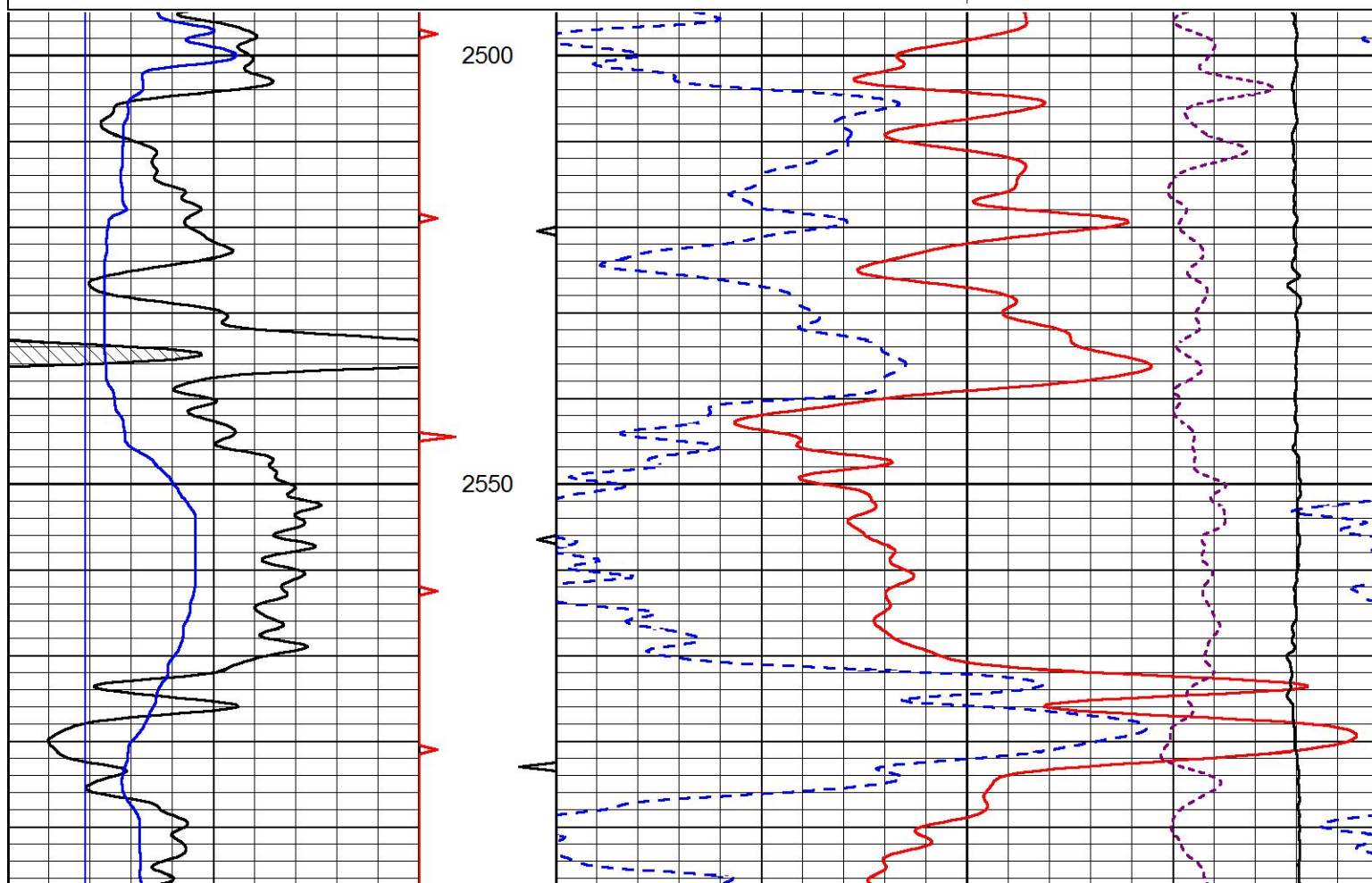
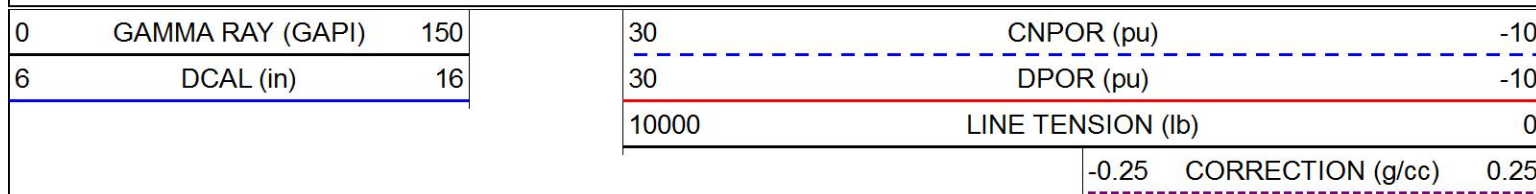


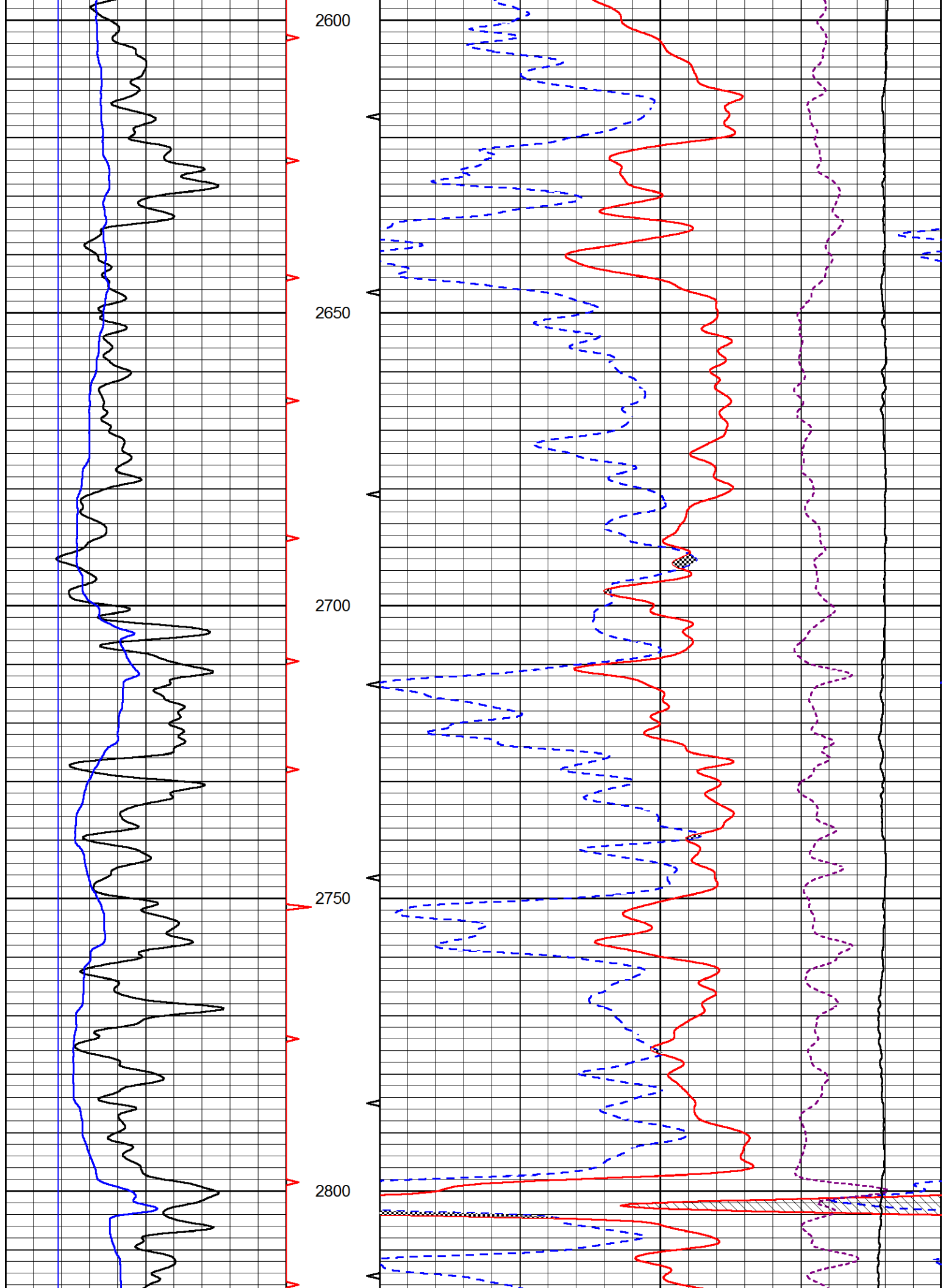


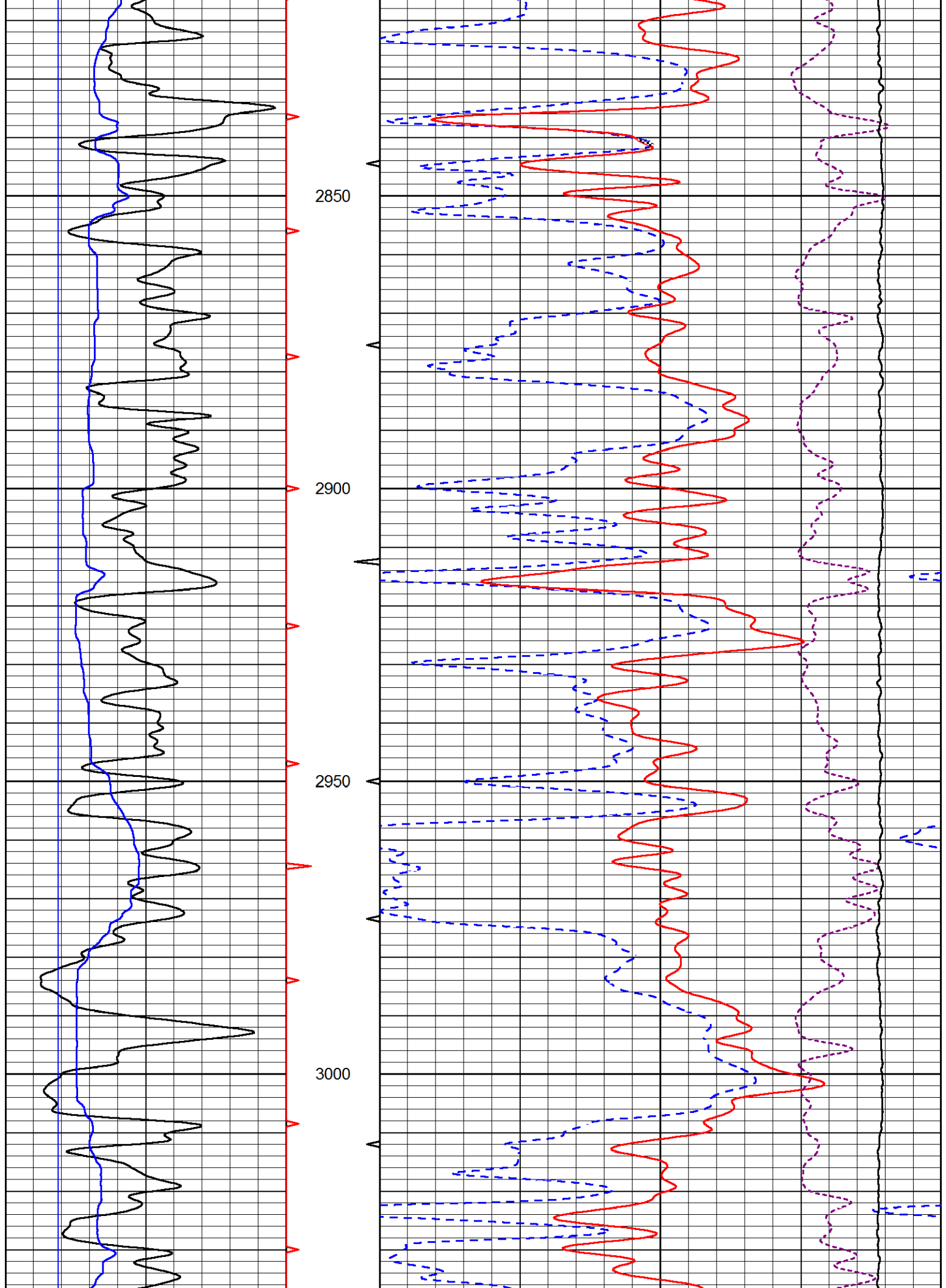
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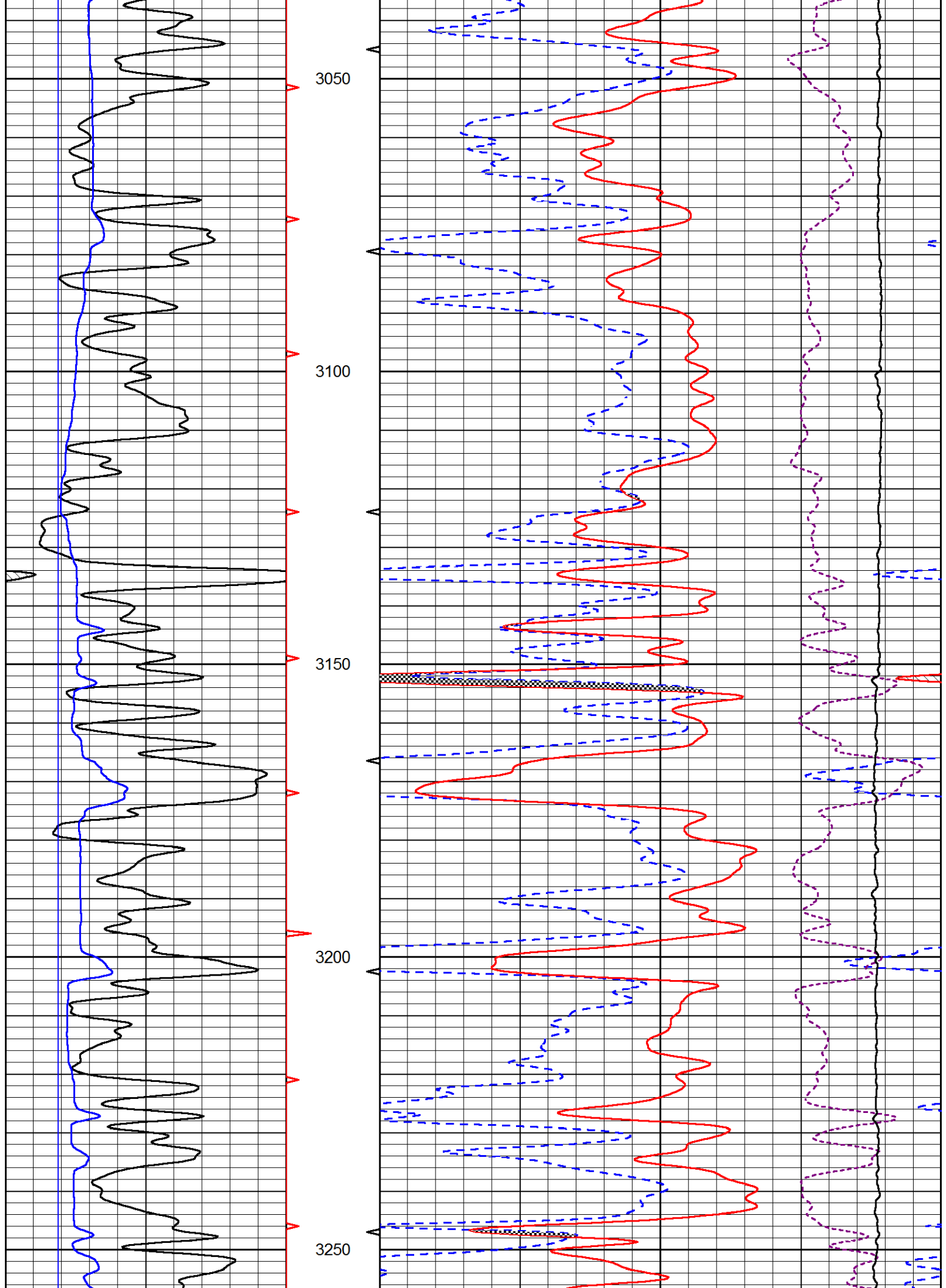
MAIN PASS

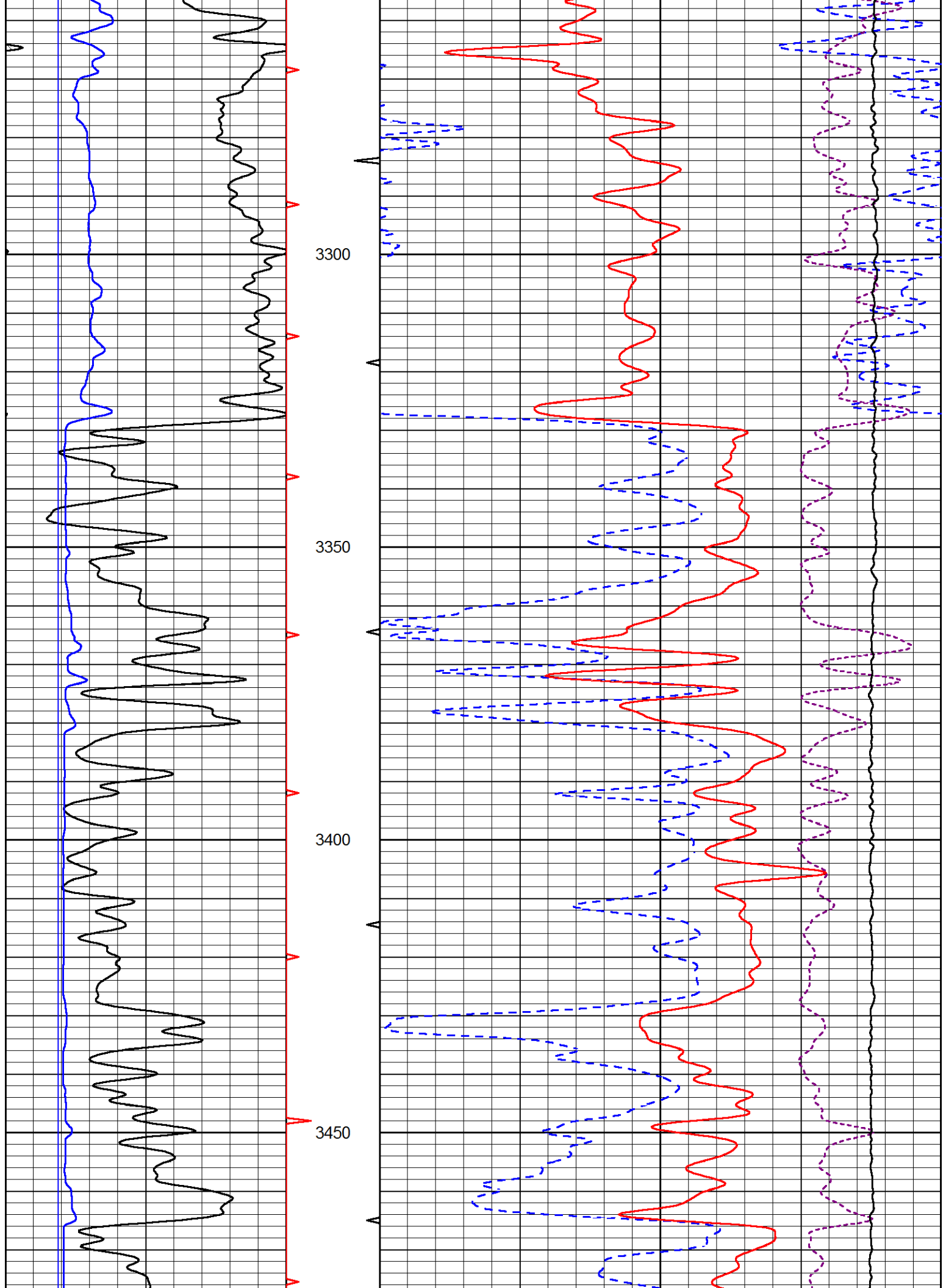
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Dataset Pathname stkml/pass3.1
Presentation Format _CNDLS~1
Dataset Creation Tue Apr 20 14:23:42 2021
Charted by Depth in Feet scaled 1:240

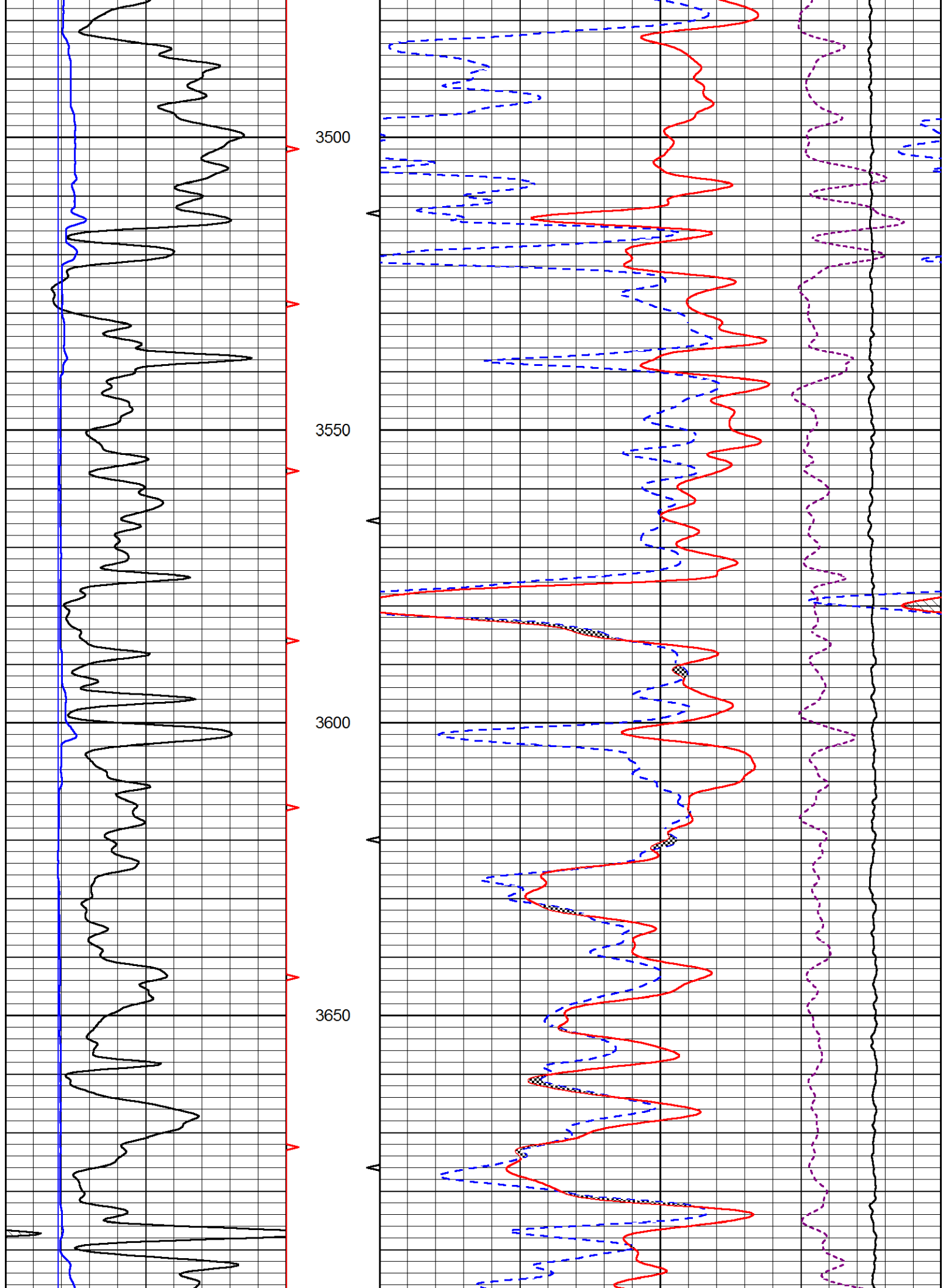


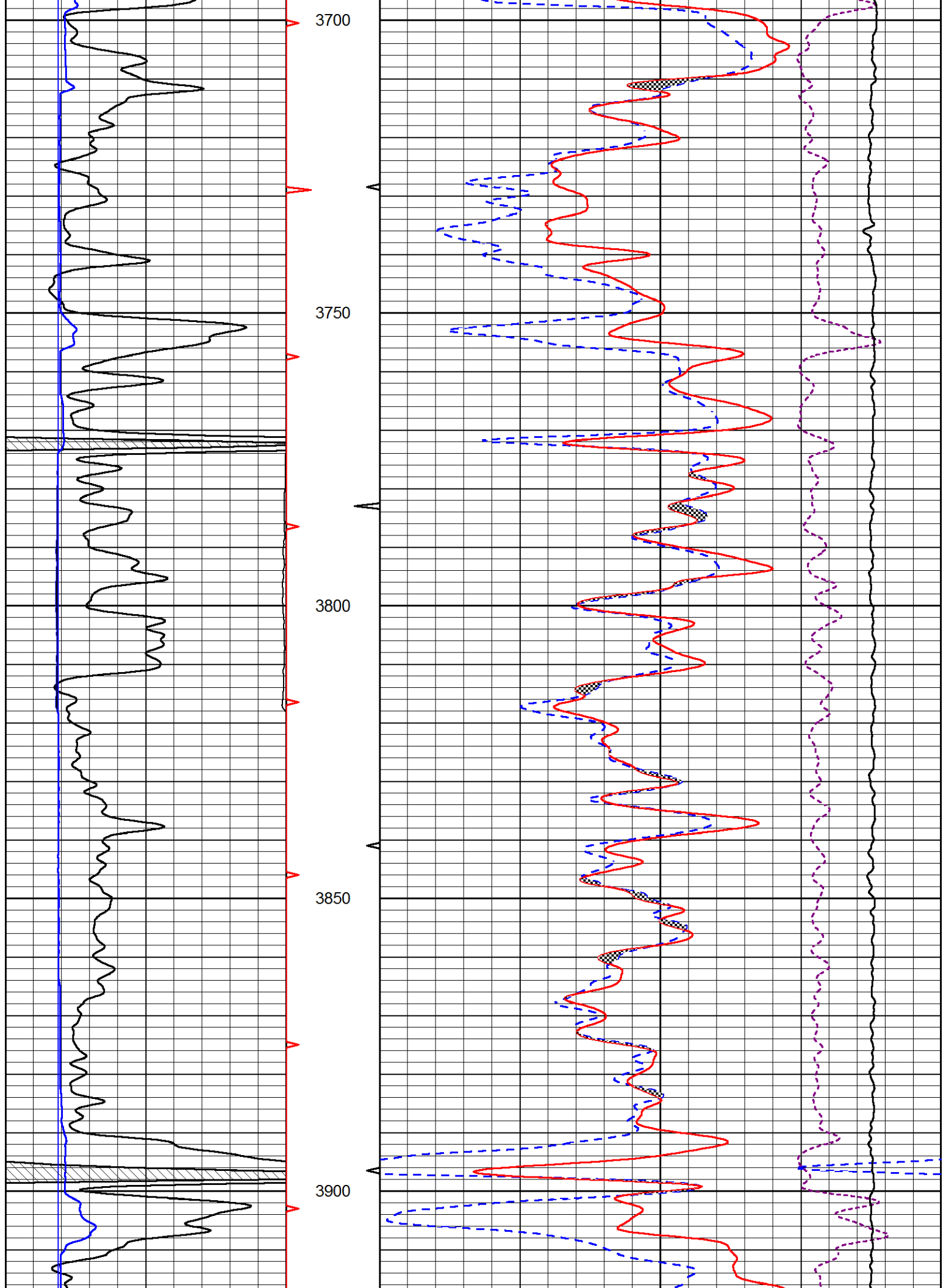


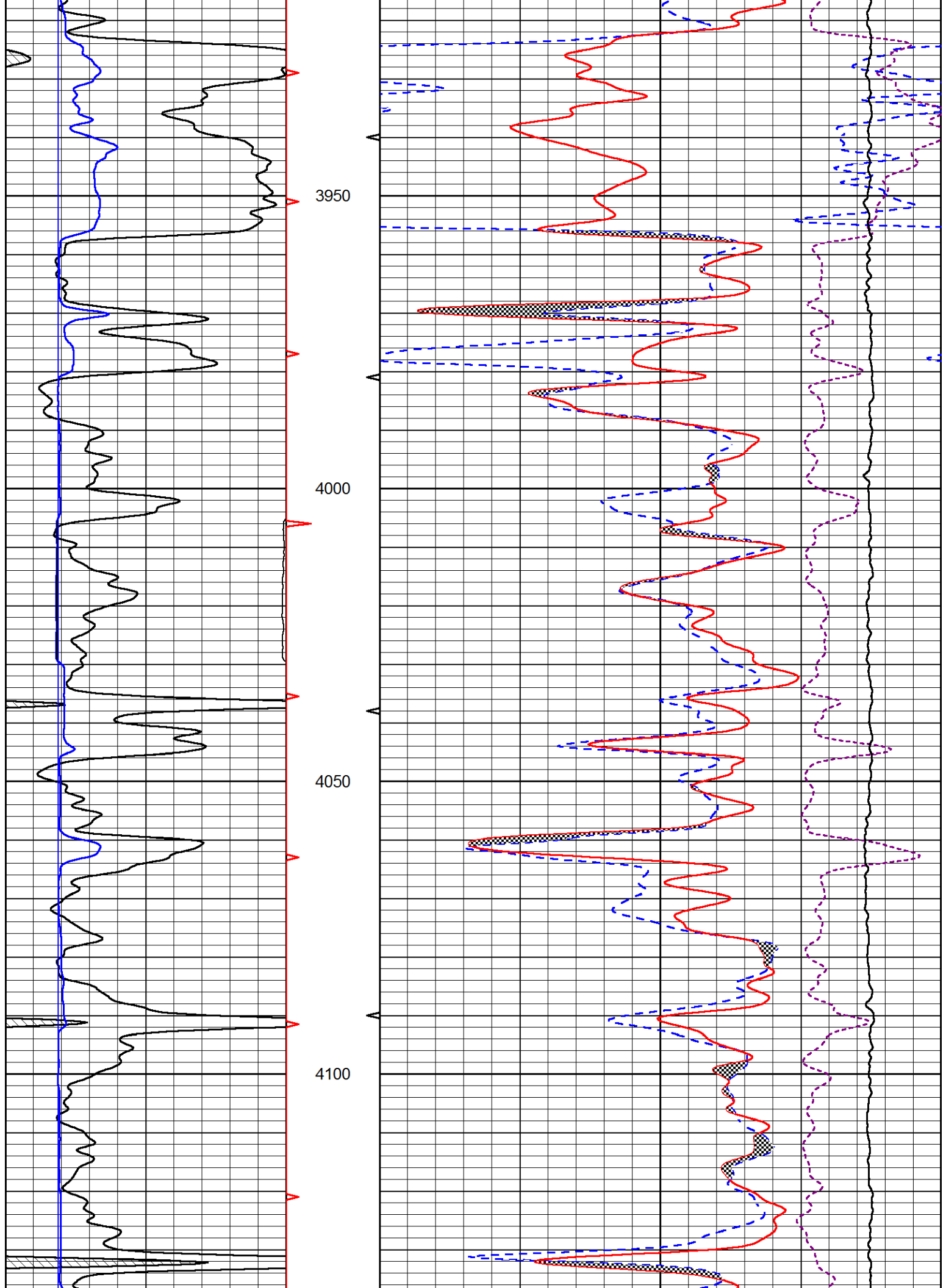


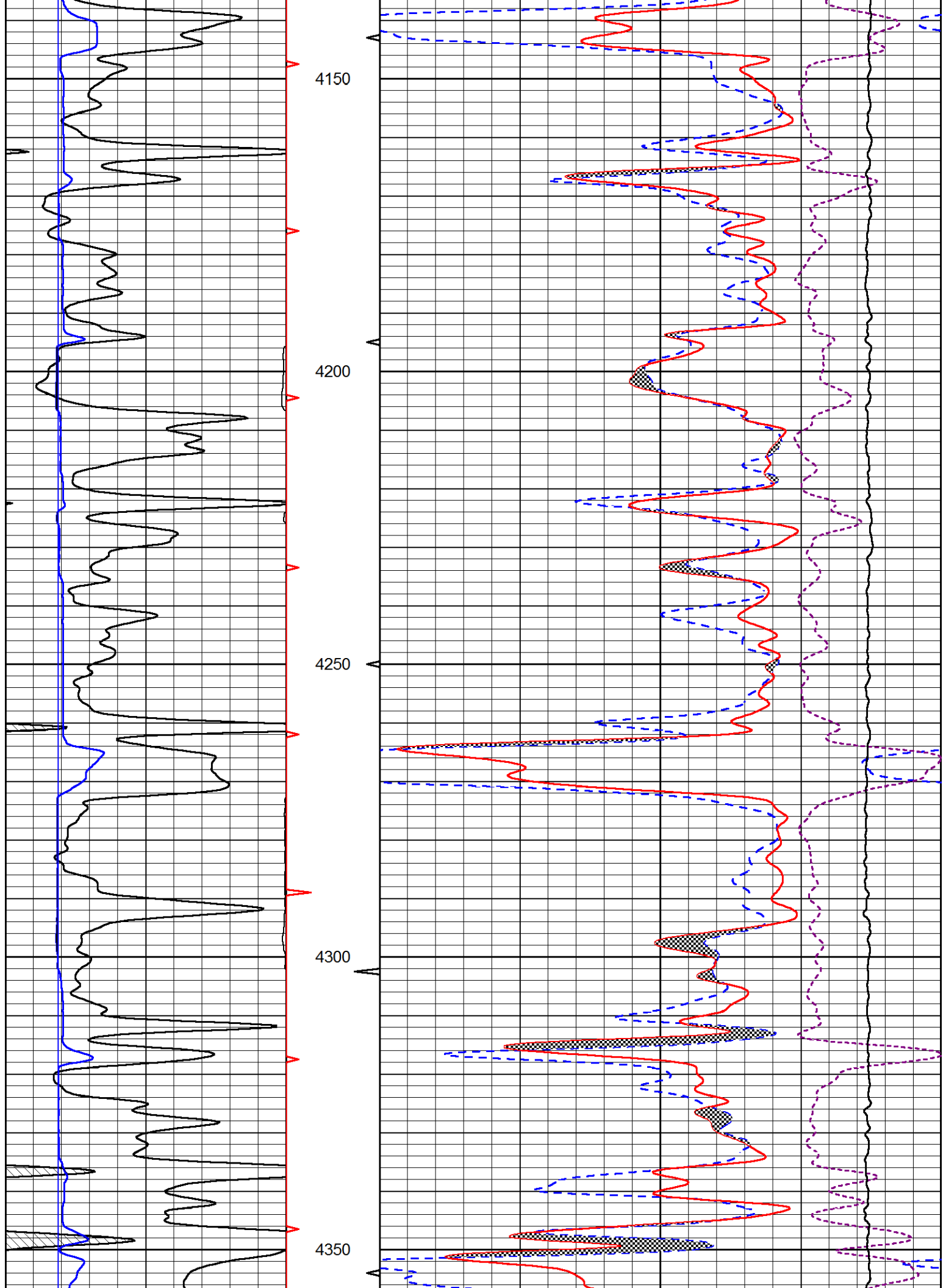


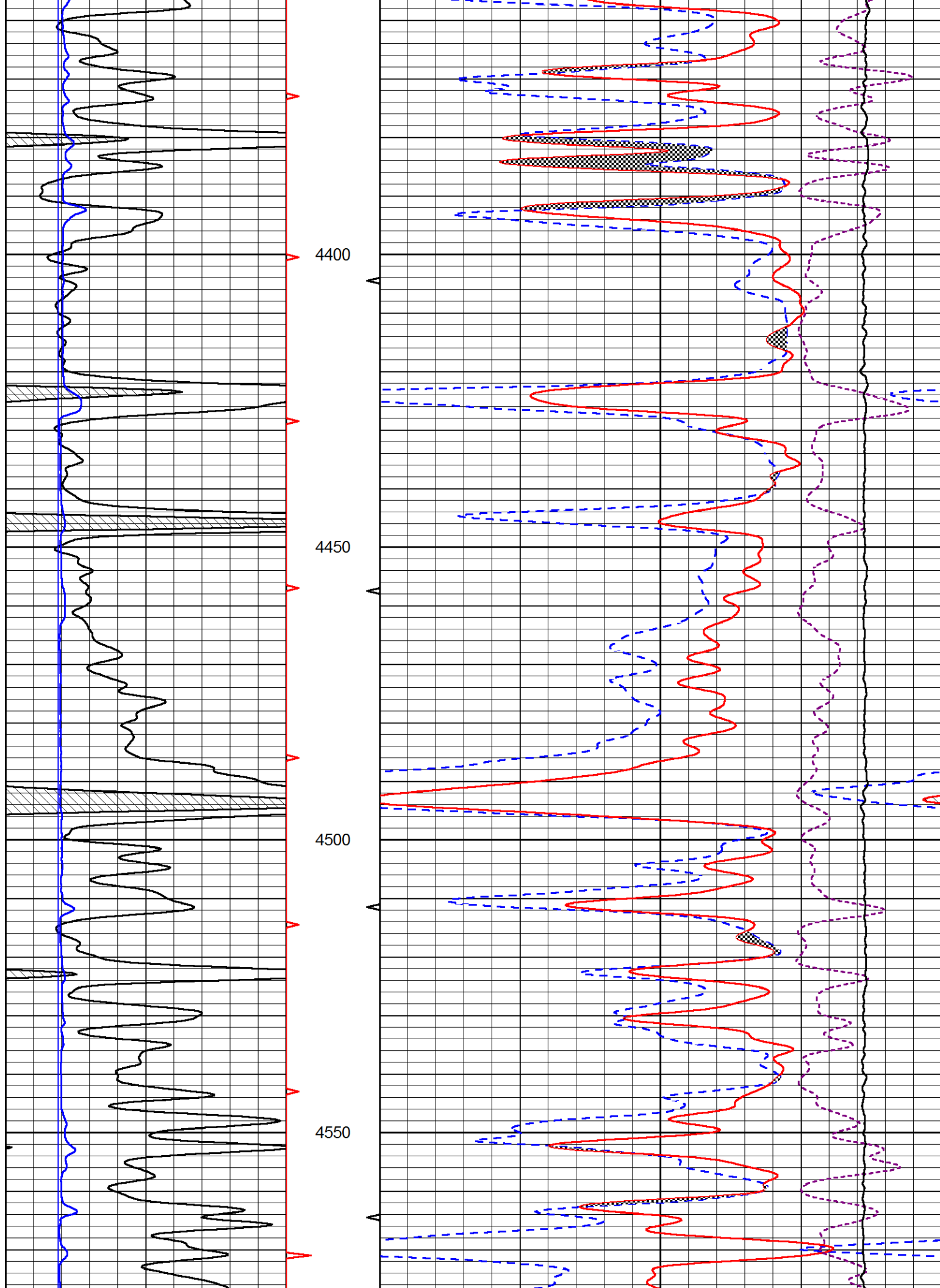


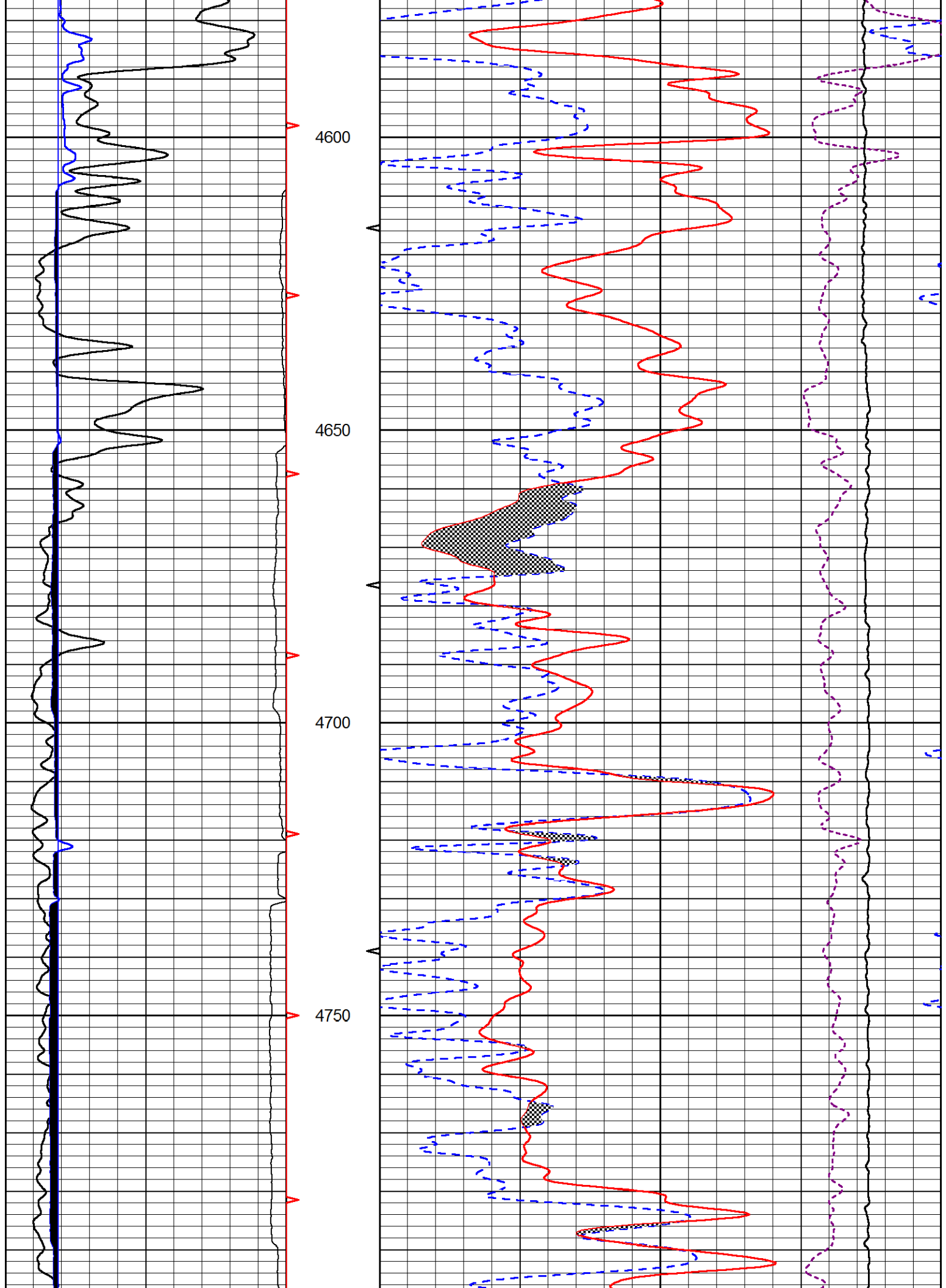


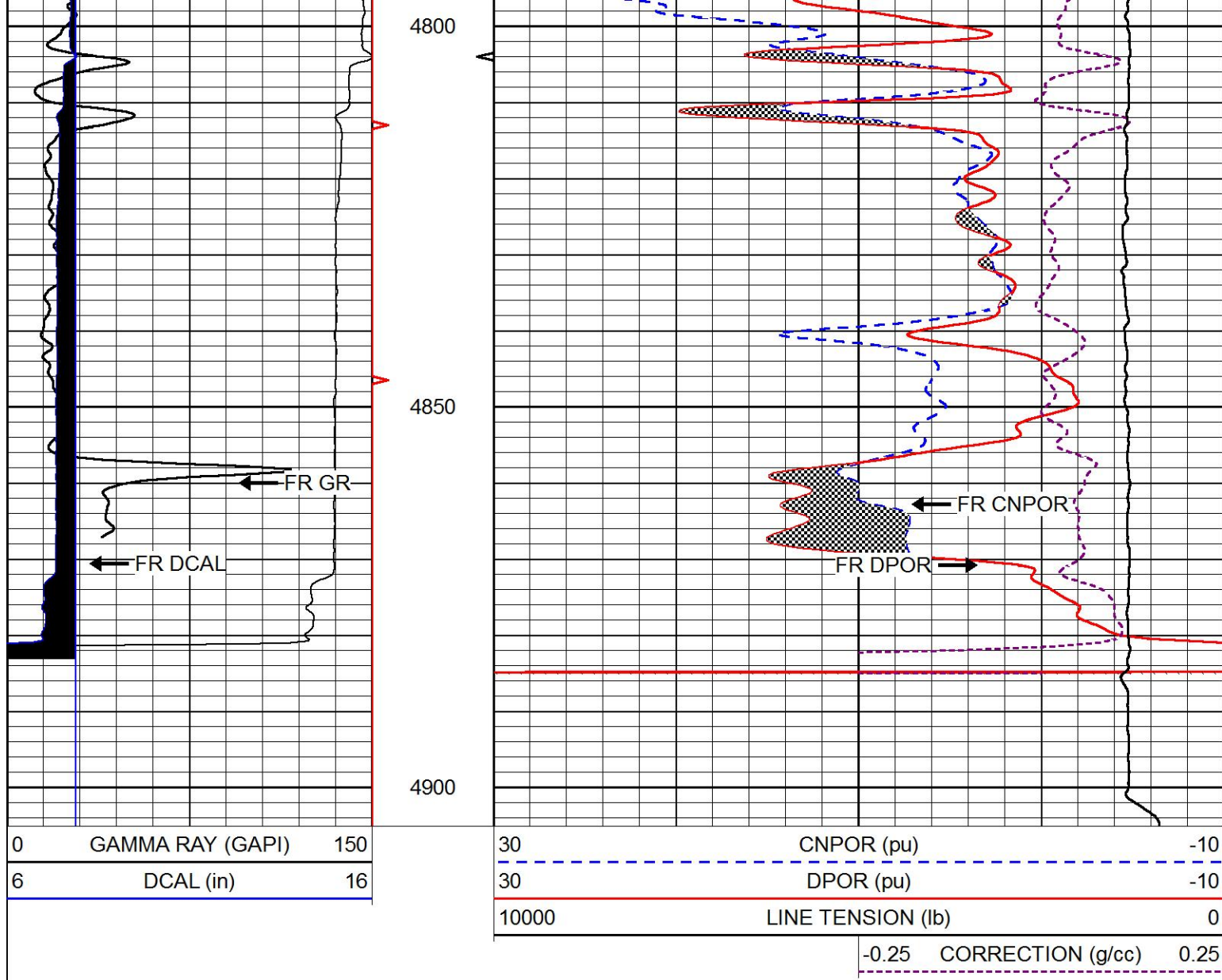












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