



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Meridian Energy, Inc.
 Well Stadelman #1
 Field Stadelman Northeast
 County Ellis
 State Kansas

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Location: API #: 15-051-26994-00-00
 845' FSL & 1730' FWL
 SEC 2 TWP 14S RGE 19W
 Permanent Datum Ground Level Elevation 2212'
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 DIL
 MEL
 K.B. 2220'
 D.F. N/A
 G.L. 2212'

Date	11/17/2020						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3883'						
Depth Logger	3881'						
Bottom Logged Interval	3879'						
Top Logged Interval	1450'						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	10,000						
Density	9.4						
Level	Full						
Max. Rec. Temp. F	115 Deg/F						
Operating Rig Time	4 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	J. Henrickson						
Witnessed By	Maxwell Lafon						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25"	0	216'	8.625"	24#	0	216'
Two	7.875"	216'					
Casing Record							

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

Hays Kansas
 3 West on Golf Course Road, North Into

Log Measured From: Kelly Bushing 8 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: J. Henrickson
 Operator: T. Martin
 Operator:
 Operator:

This Log Record Was Witnessed By

Primary Witness: Maxwell Lafon
 Secondary Witness:
 Secondary Witness:
 Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	44.50		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	41.40 40.65		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	32.35 32.33 31.85		CDL-M&W (915-956)	8.50	4.00	250.00
MCAL MI MN	20.87 20.87 20.87		ML-PSI UDM ML (UDM-01) Stackable Microlog Tools	11.50	4.00	215.00
RLL3 RLL3F	15.80 15.79		DIL-M&W (55-222)	18.50	3.50	220.00
CILD	8.00					
CILM	4.70					
SP	0.20					

Dataset: meridian_stadelman_1.db: field/well/stackml/pass3.1
 Total length: 47.00 ft
 Total weight: 835.00 lb
 O.D.: 4.00 in



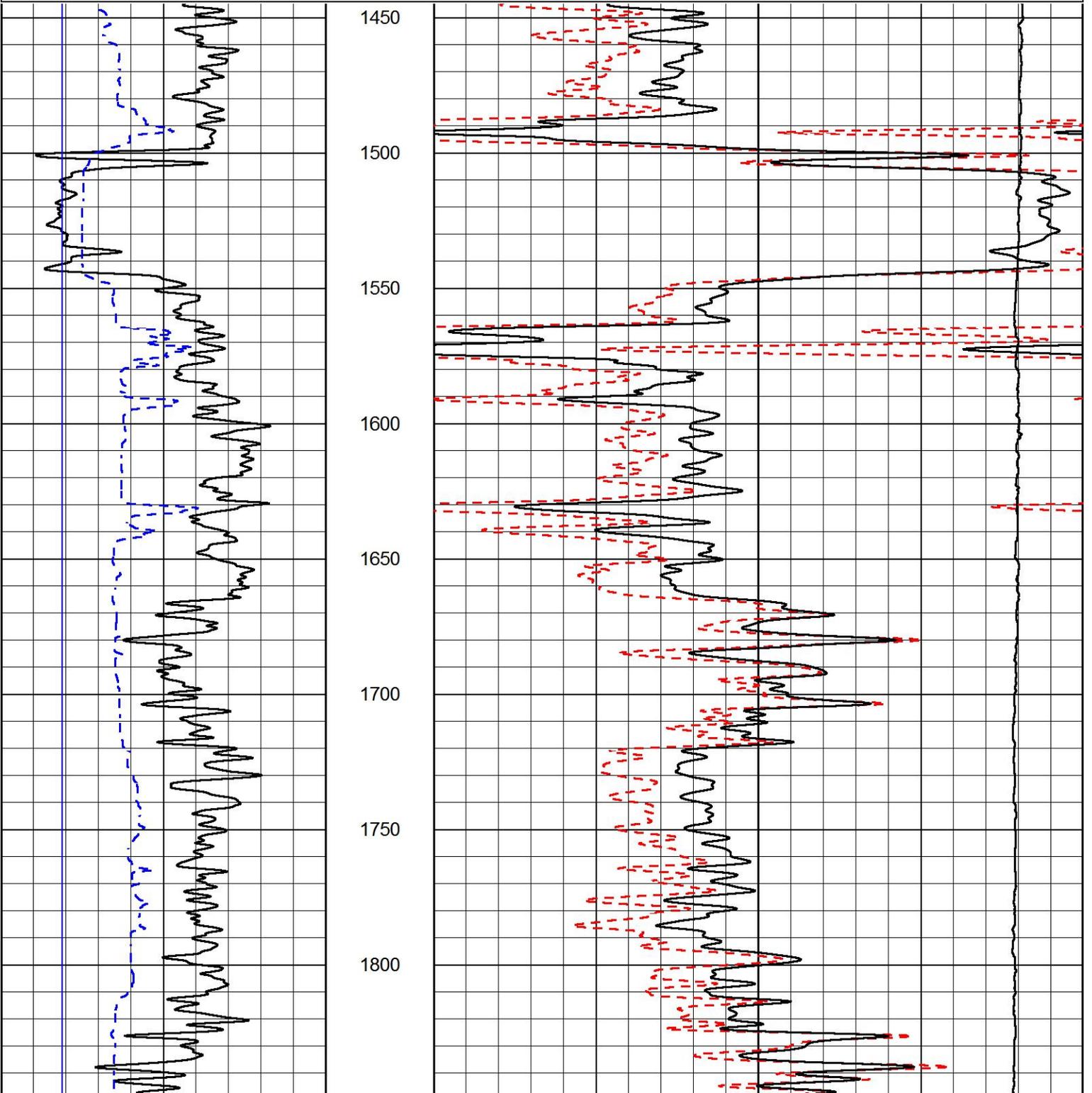
MIDWEST WIRELINE

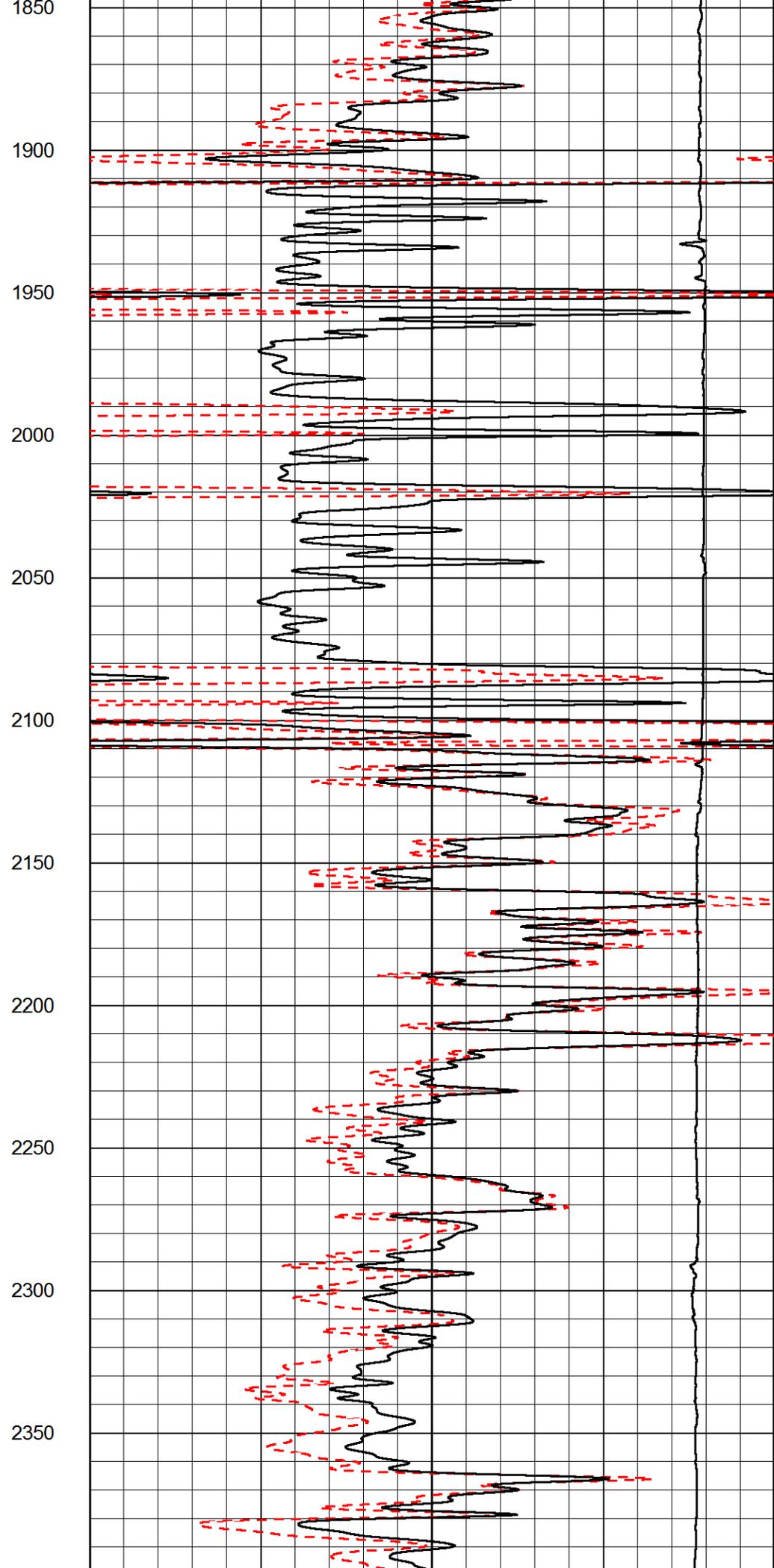
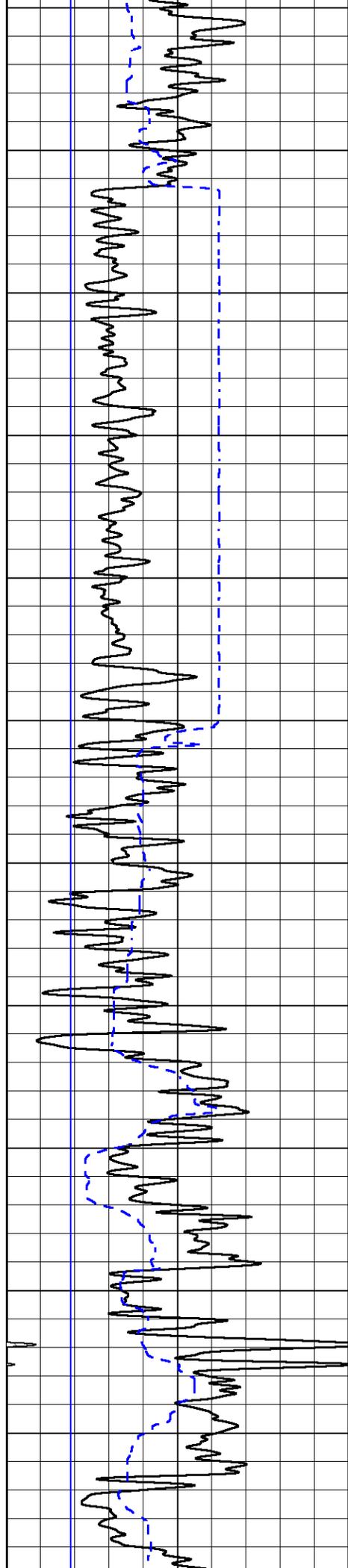
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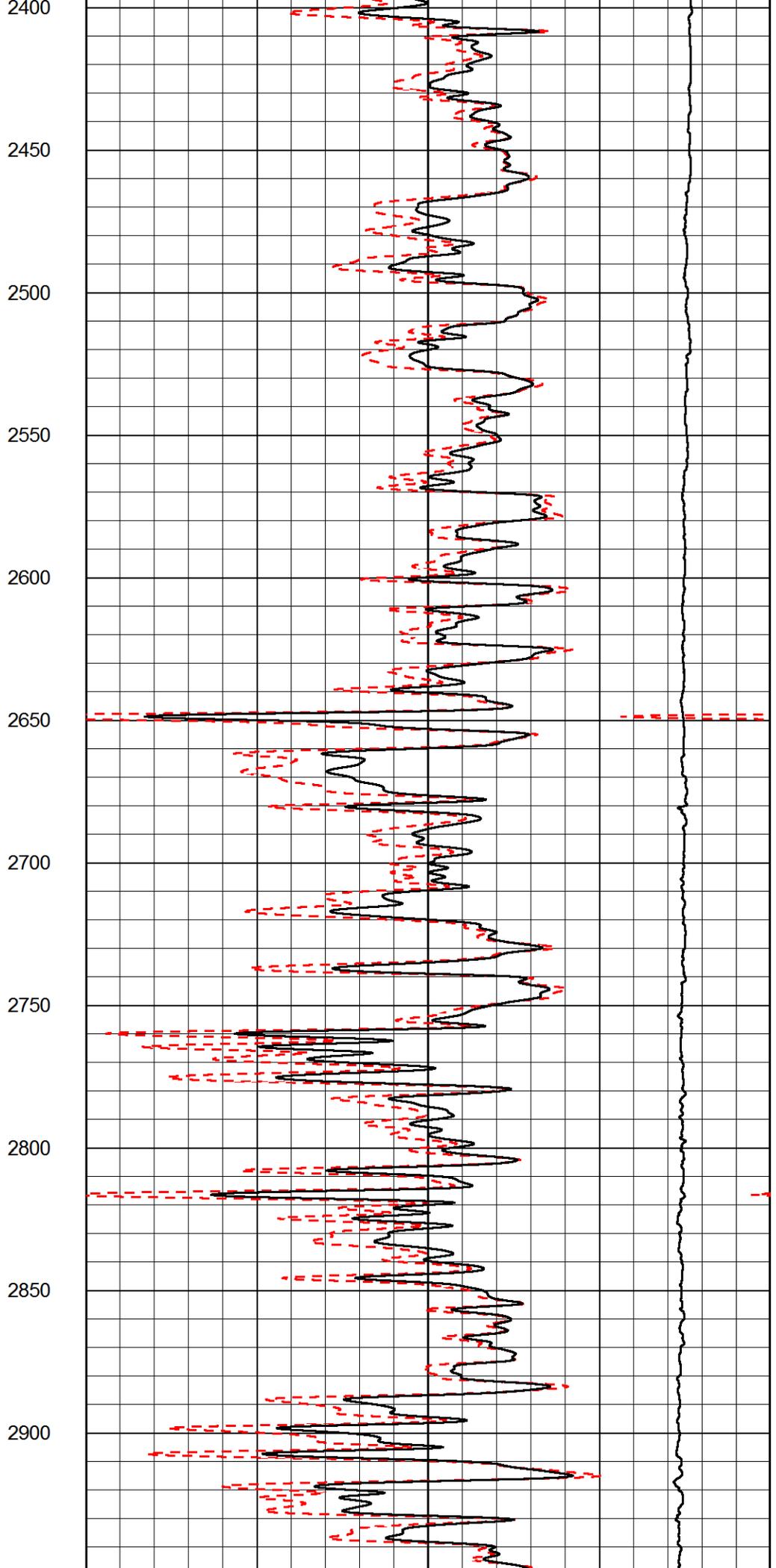
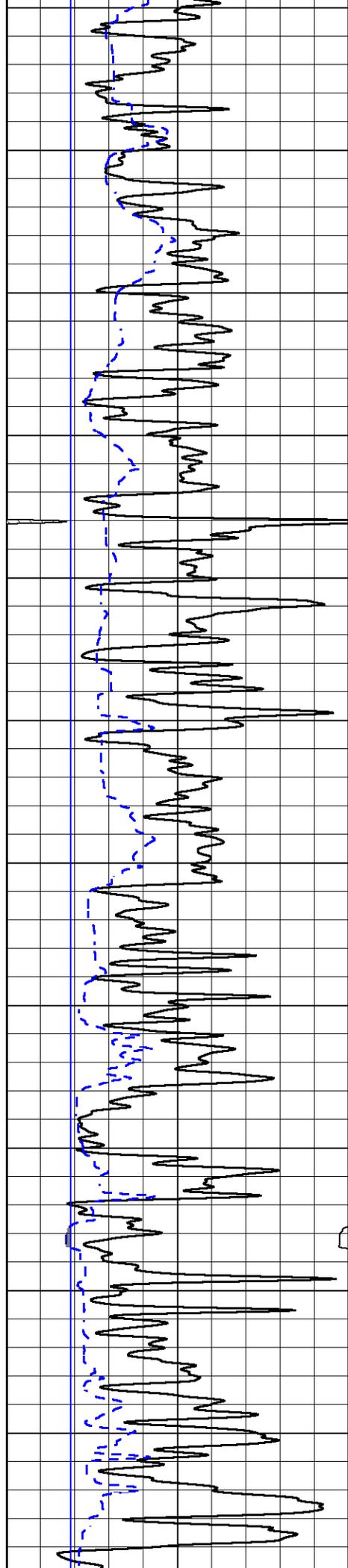
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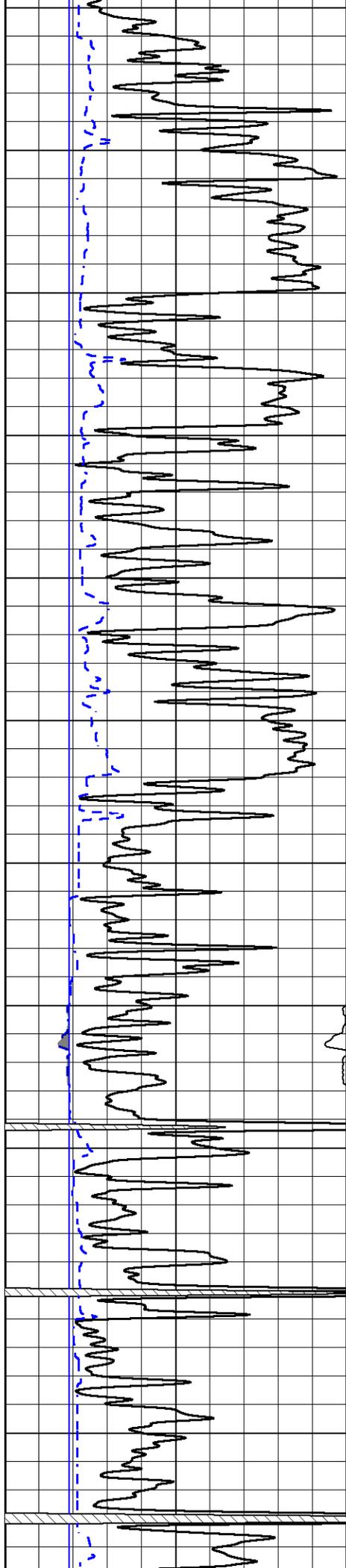
0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16

30	COMPENSATED DENSITY (pu)	-10
2	BULK DENSITY (g/cc)	3
15000	LINE TENSION (lb)	0

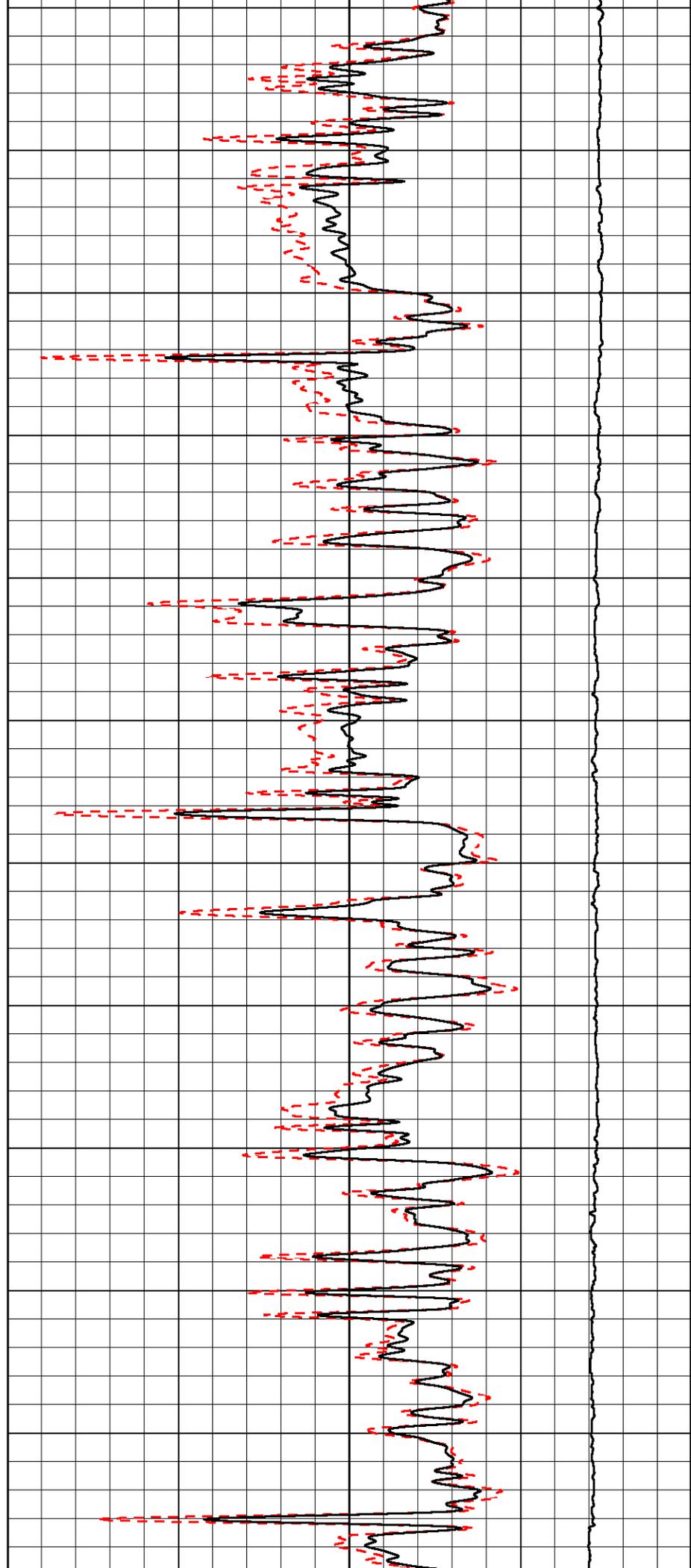


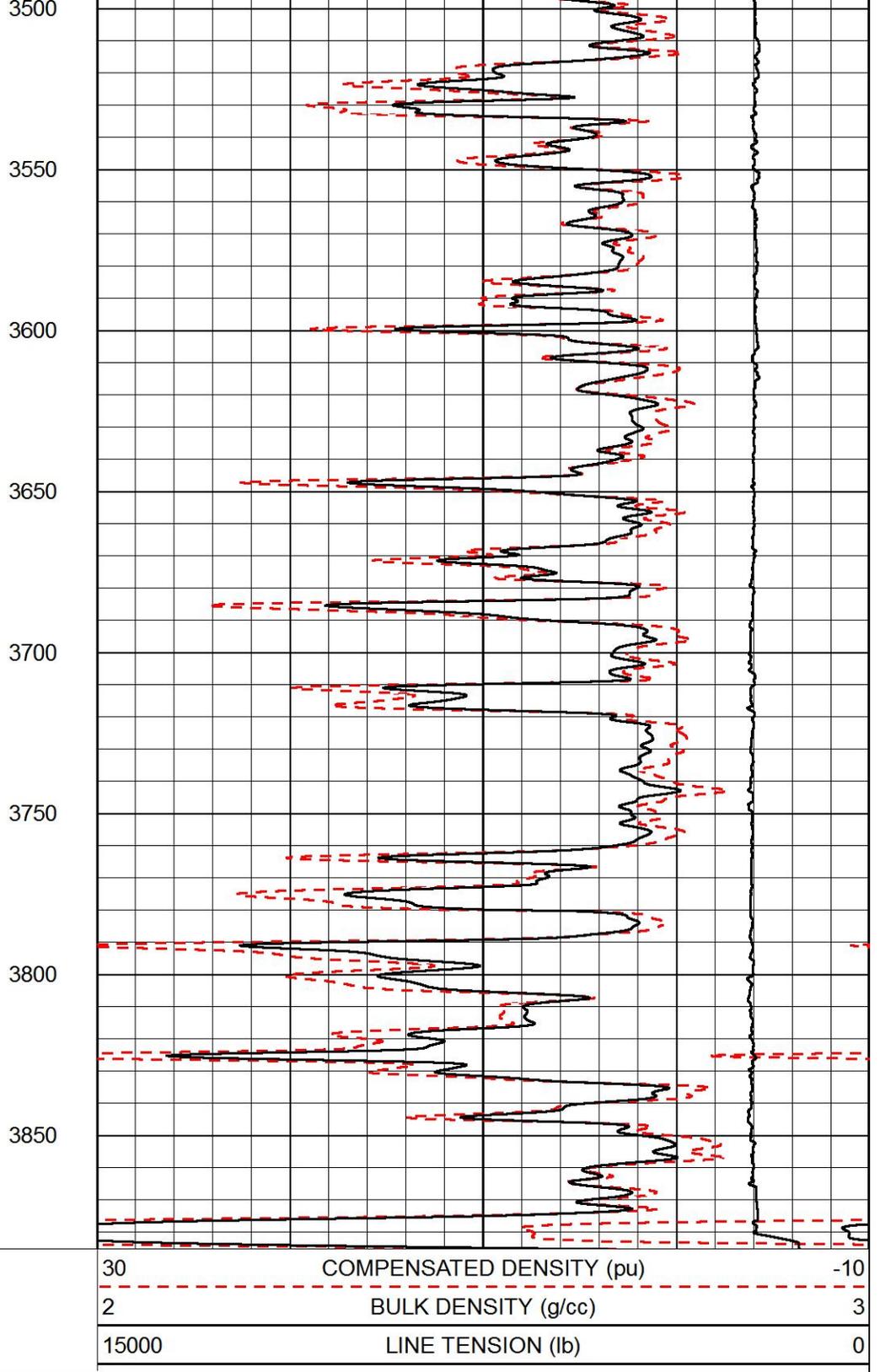
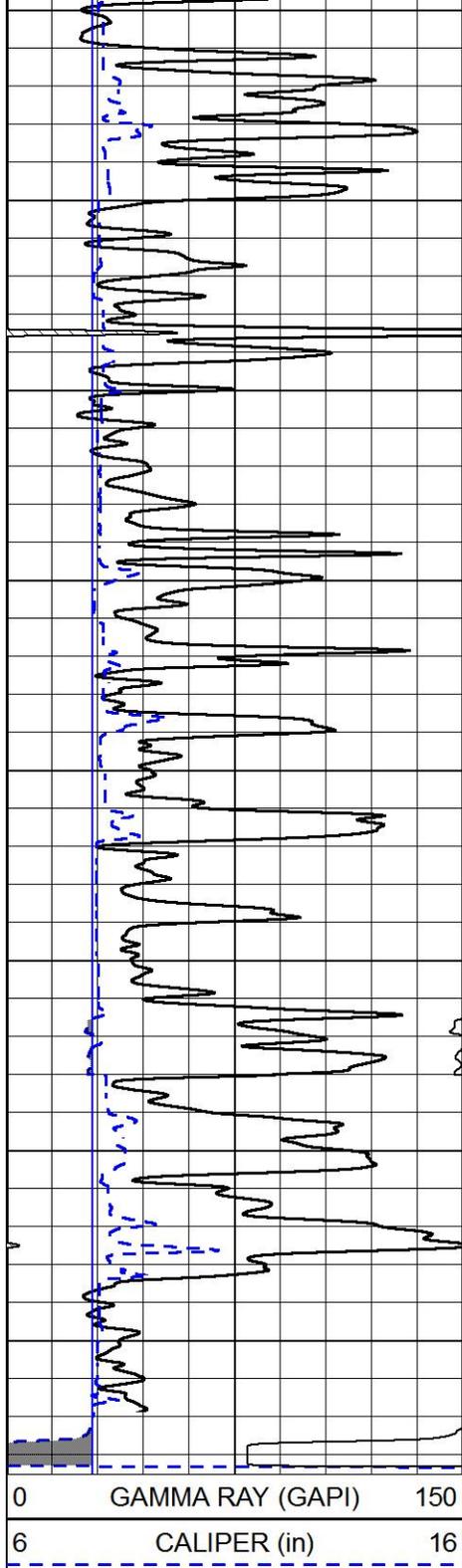






2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450





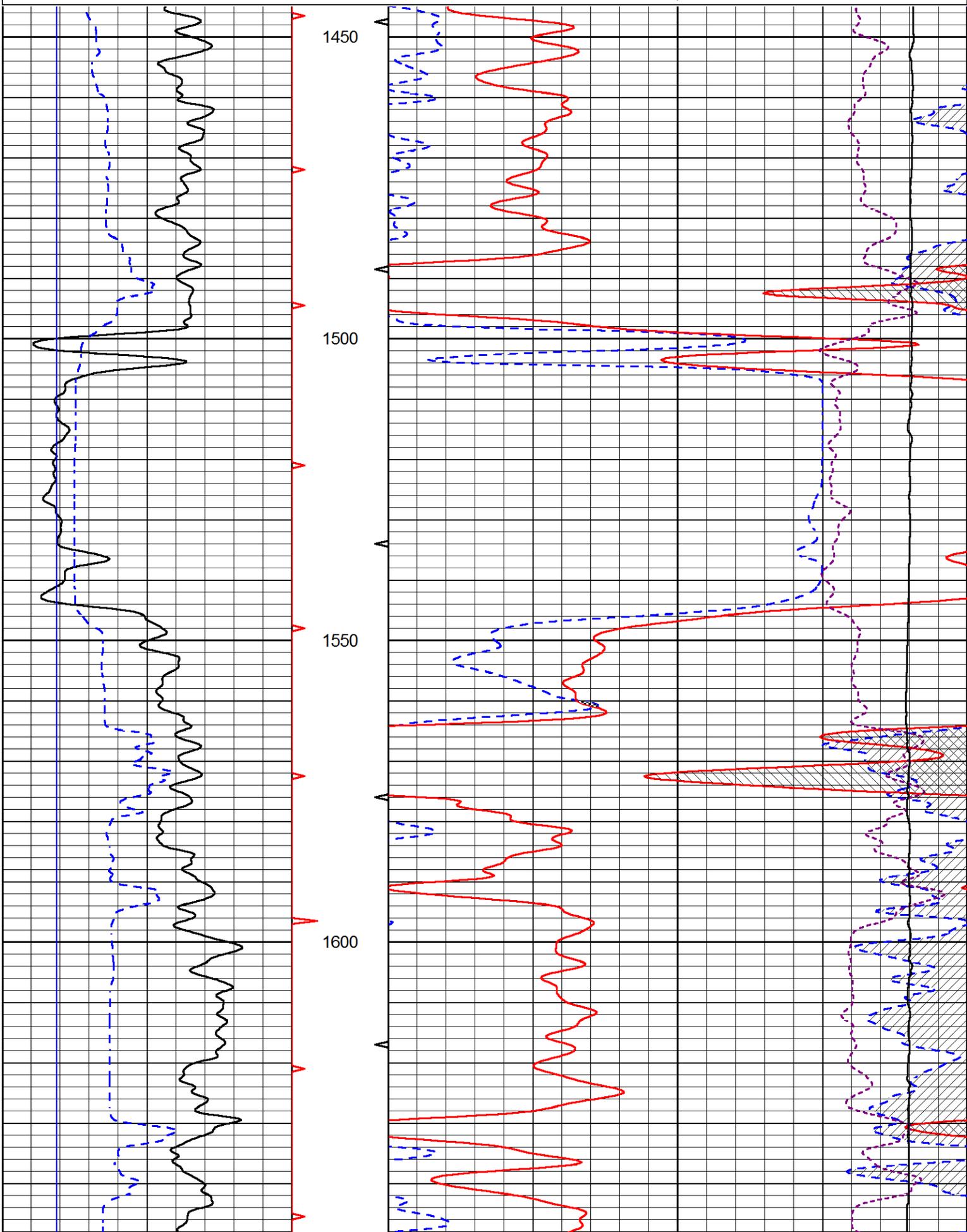
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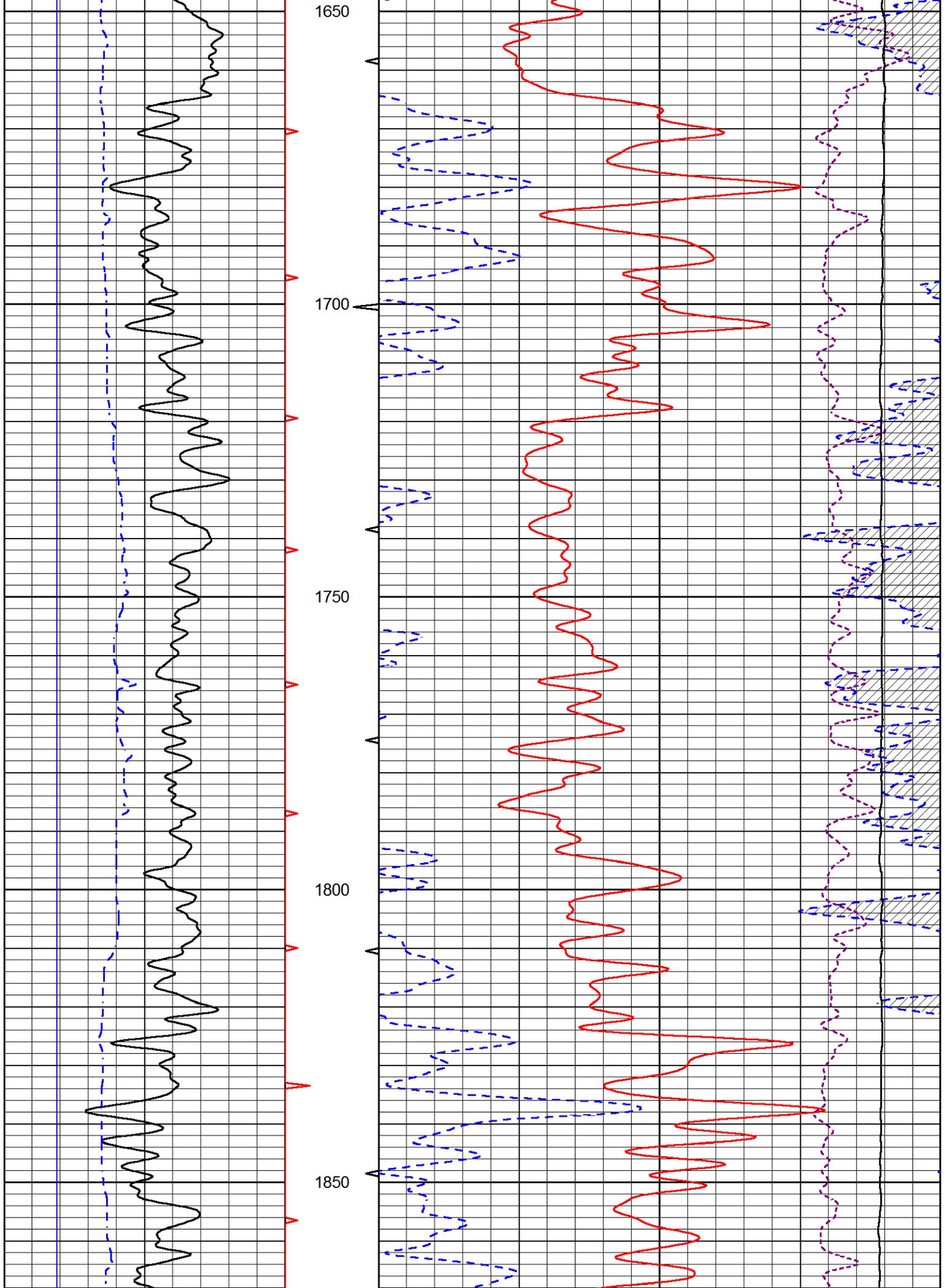
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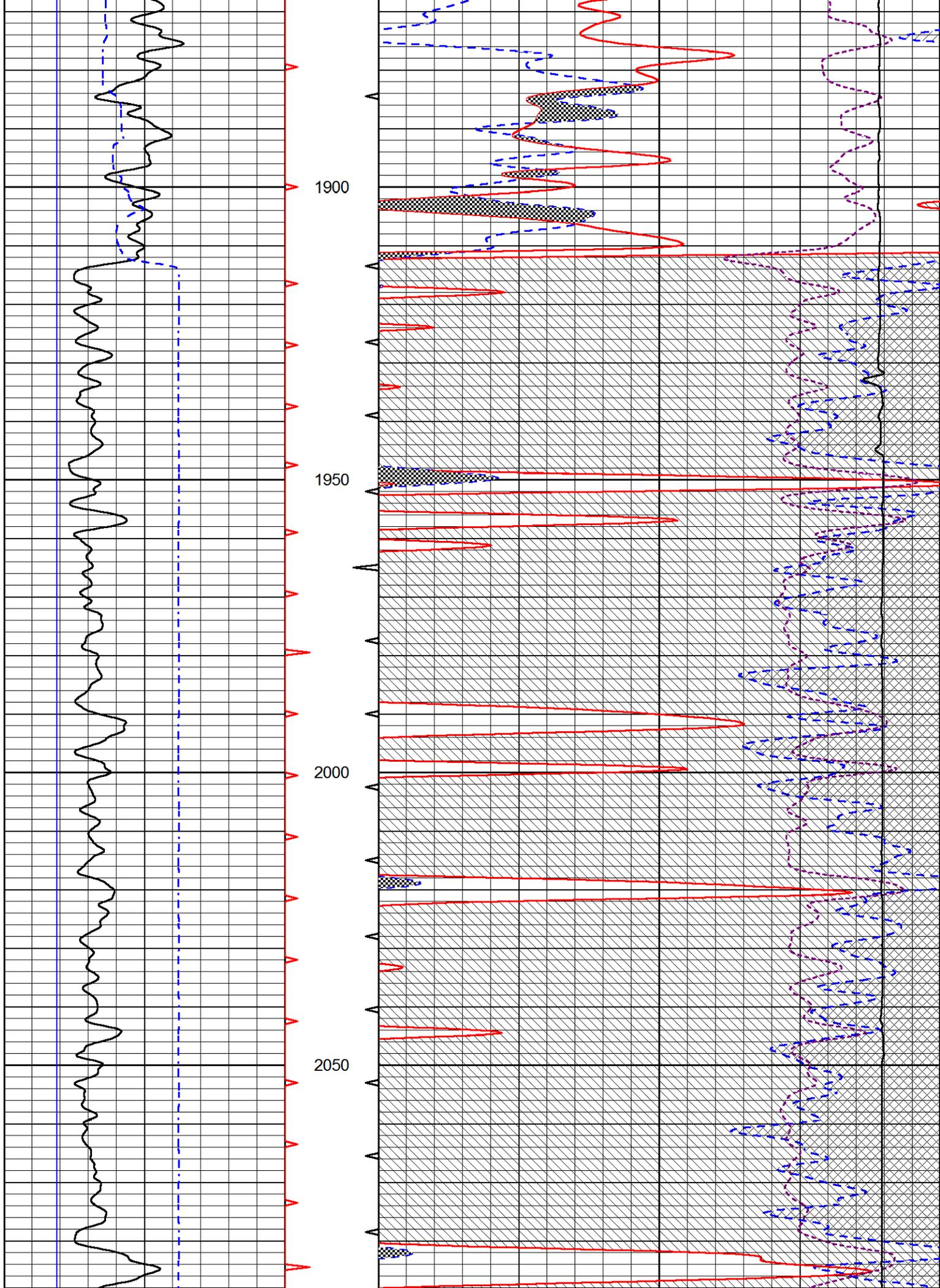


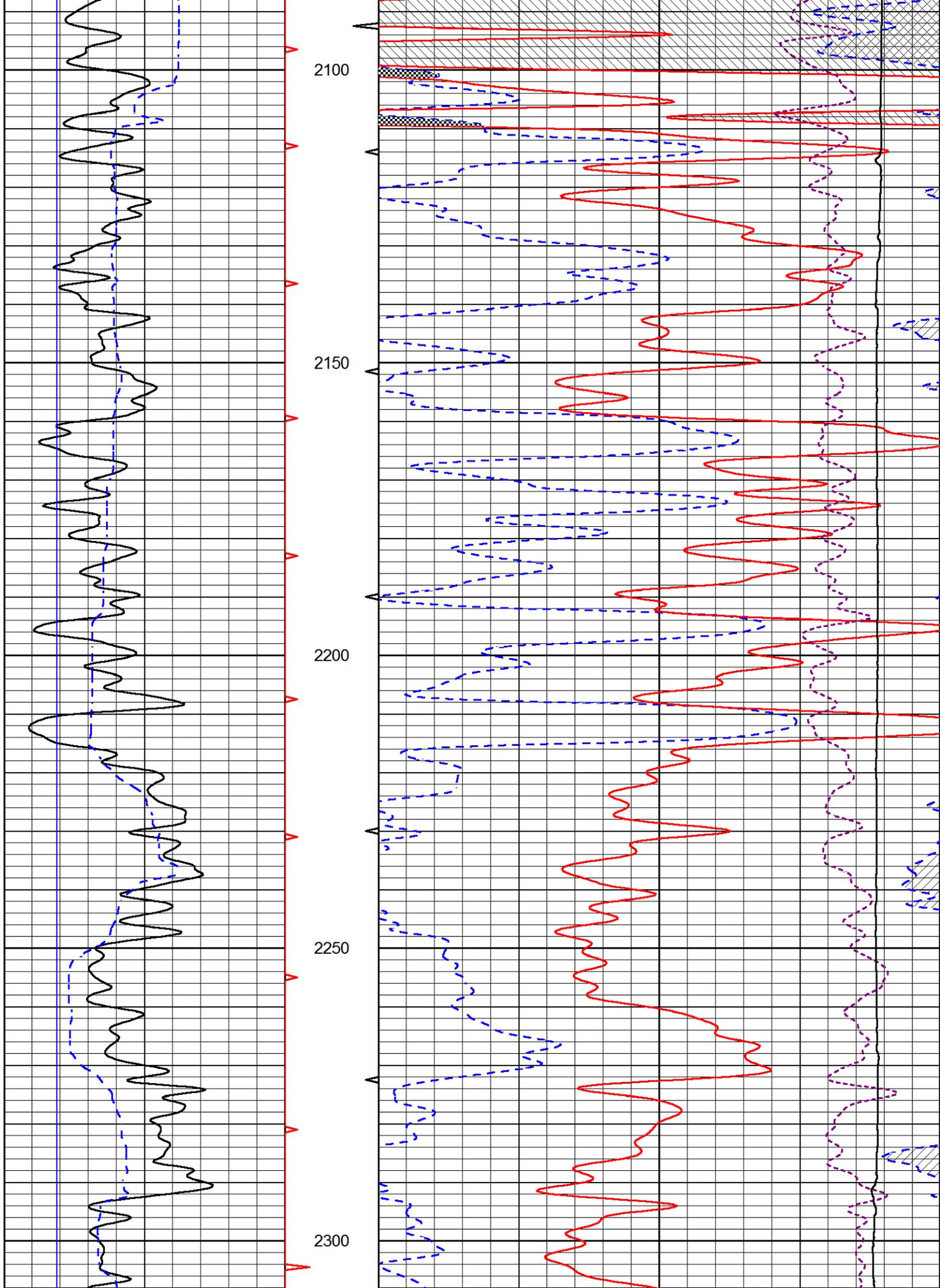
6	dcal (in)	16
6	BIT SIZE (in)	16

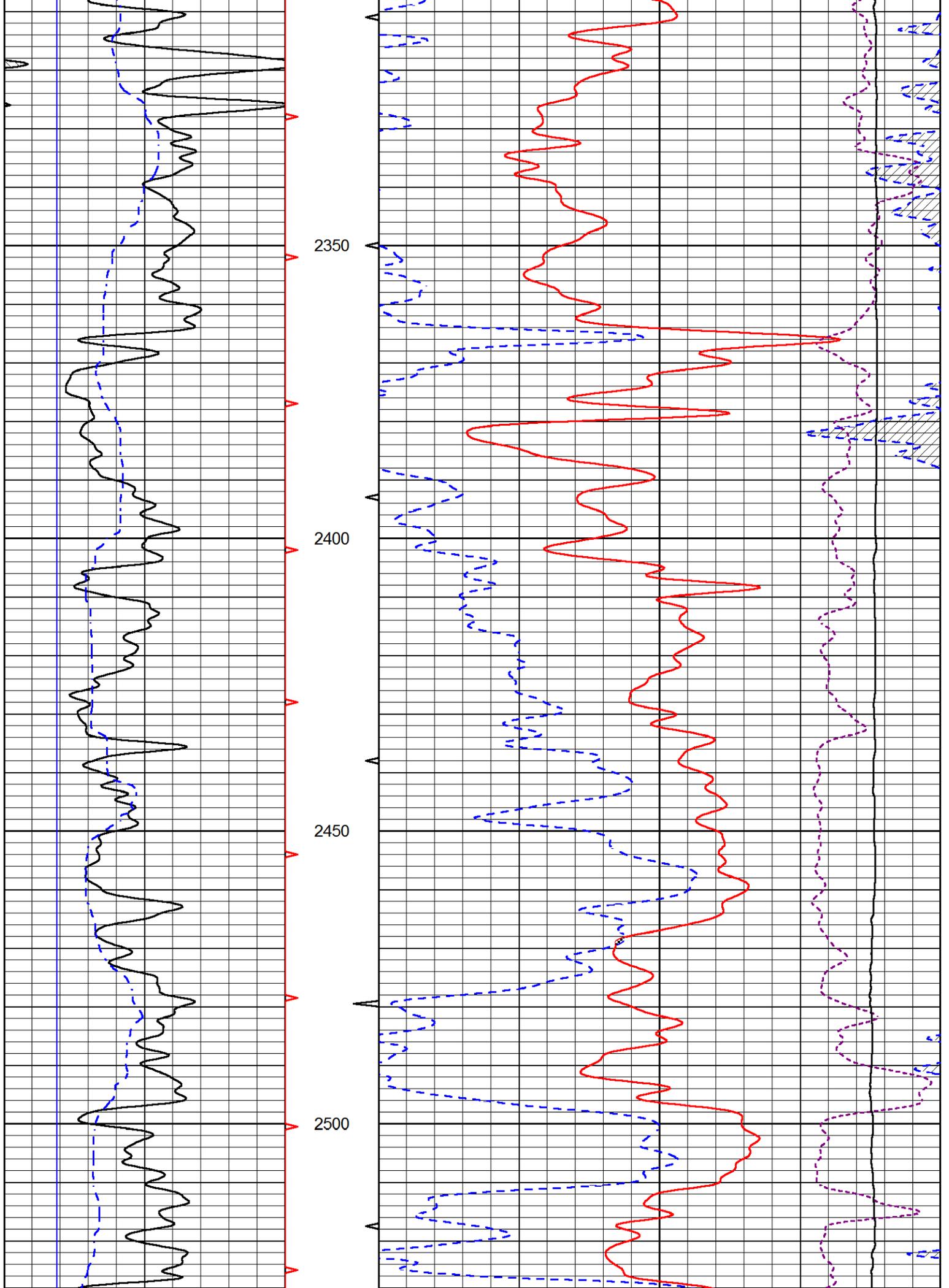
30	DPOR (pu)	-10
15000	LINE TENSION (lb)	0
-0.25	RHOC (g/cc)	0.25

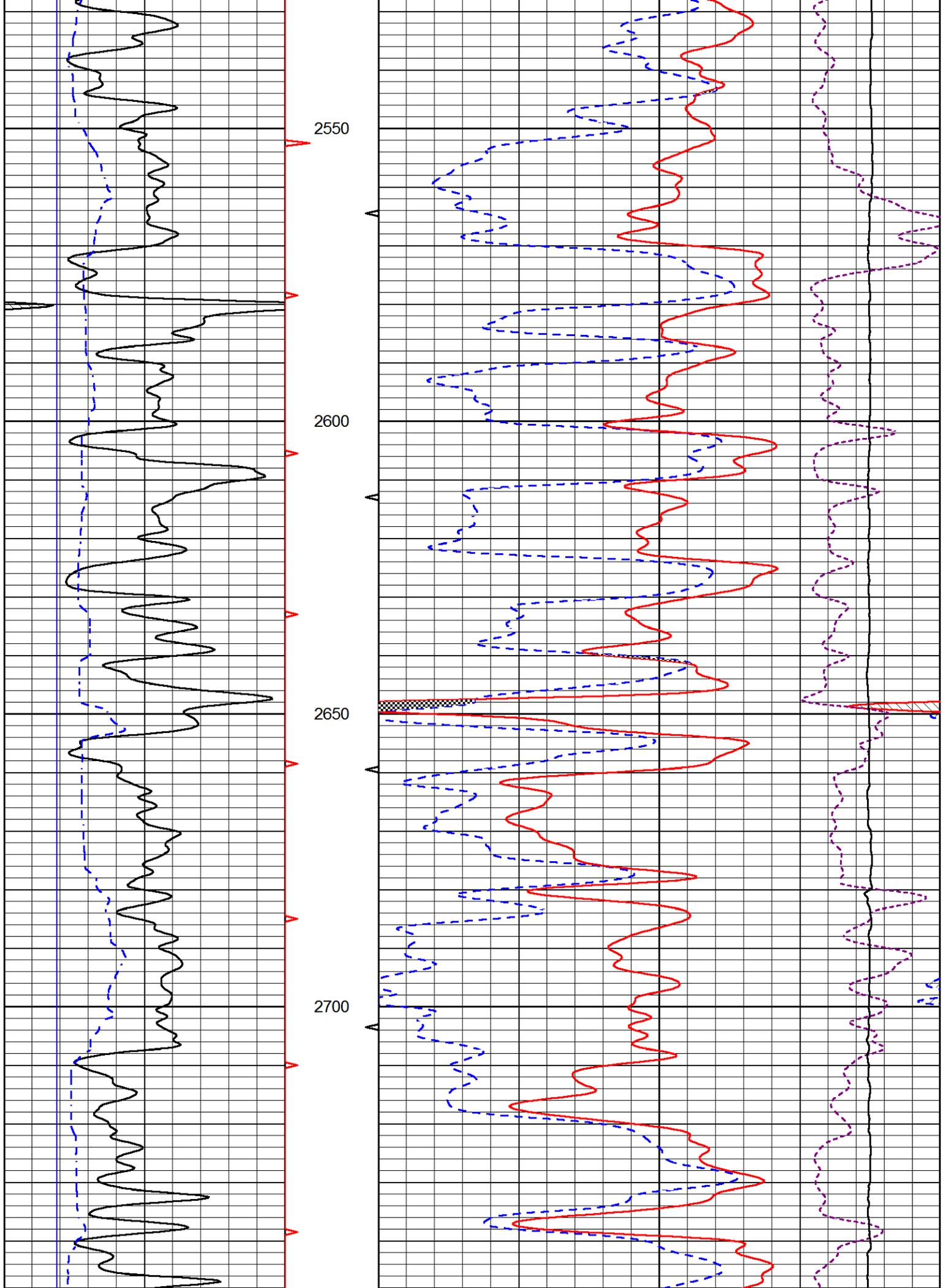


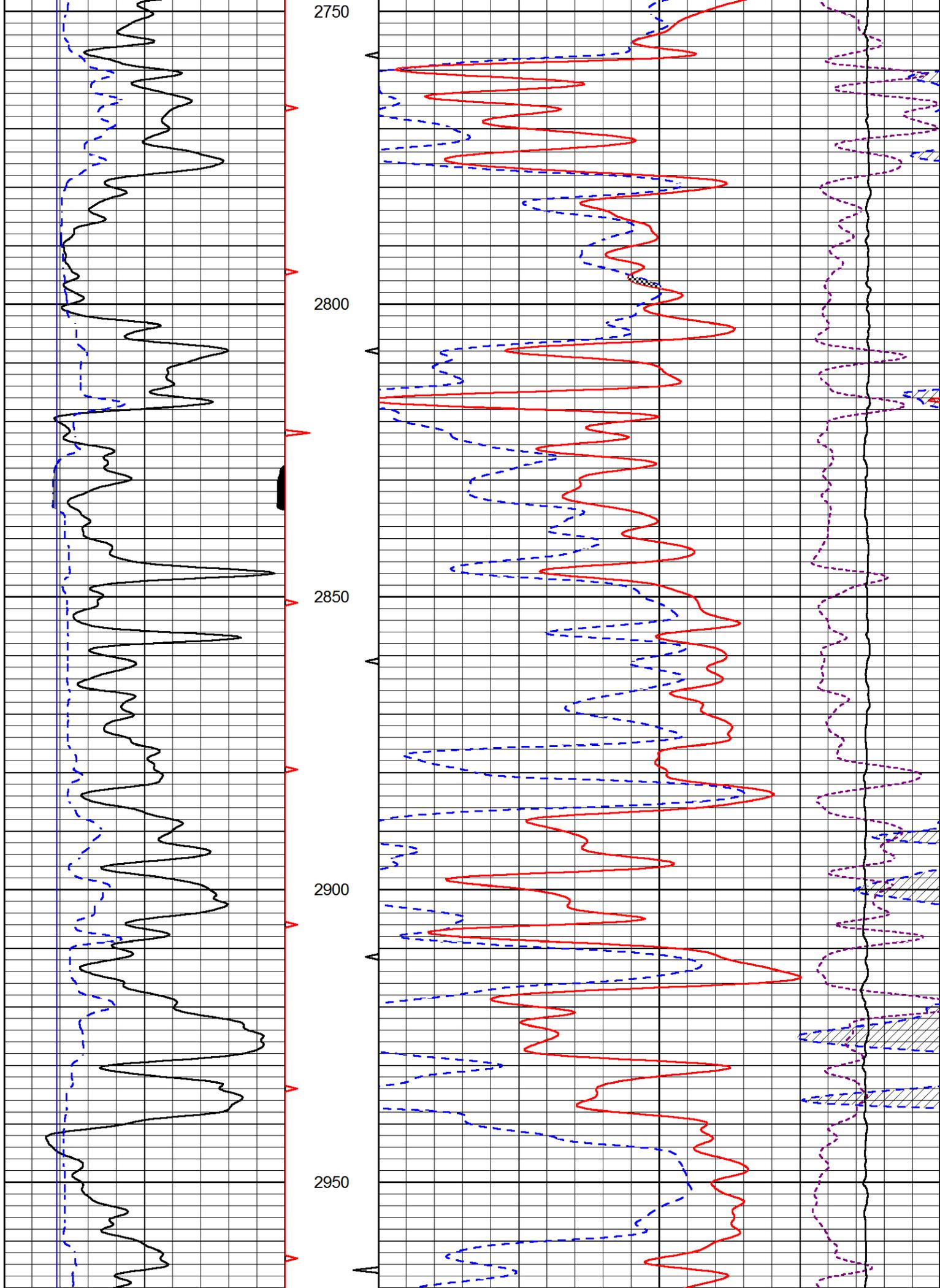


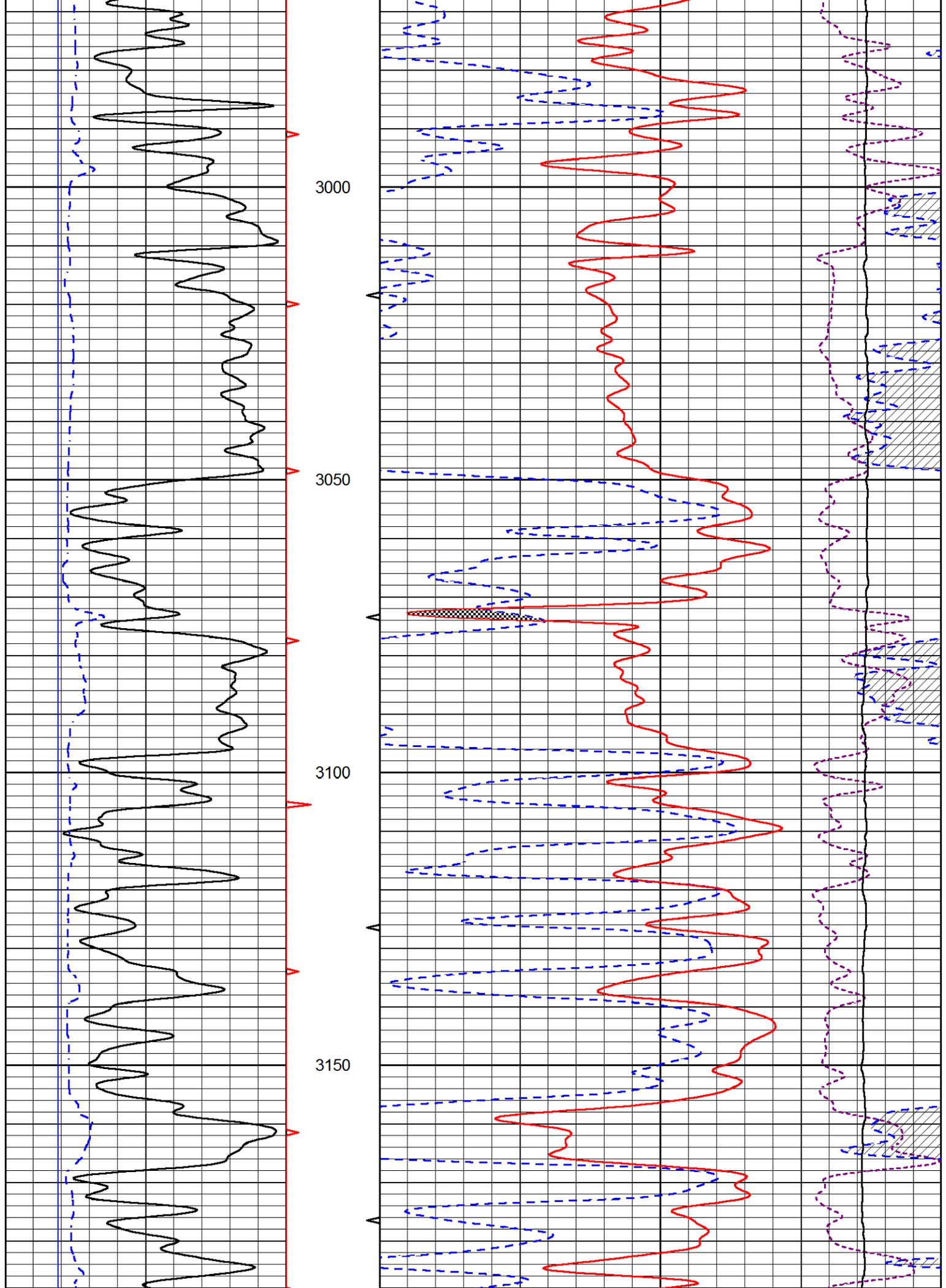


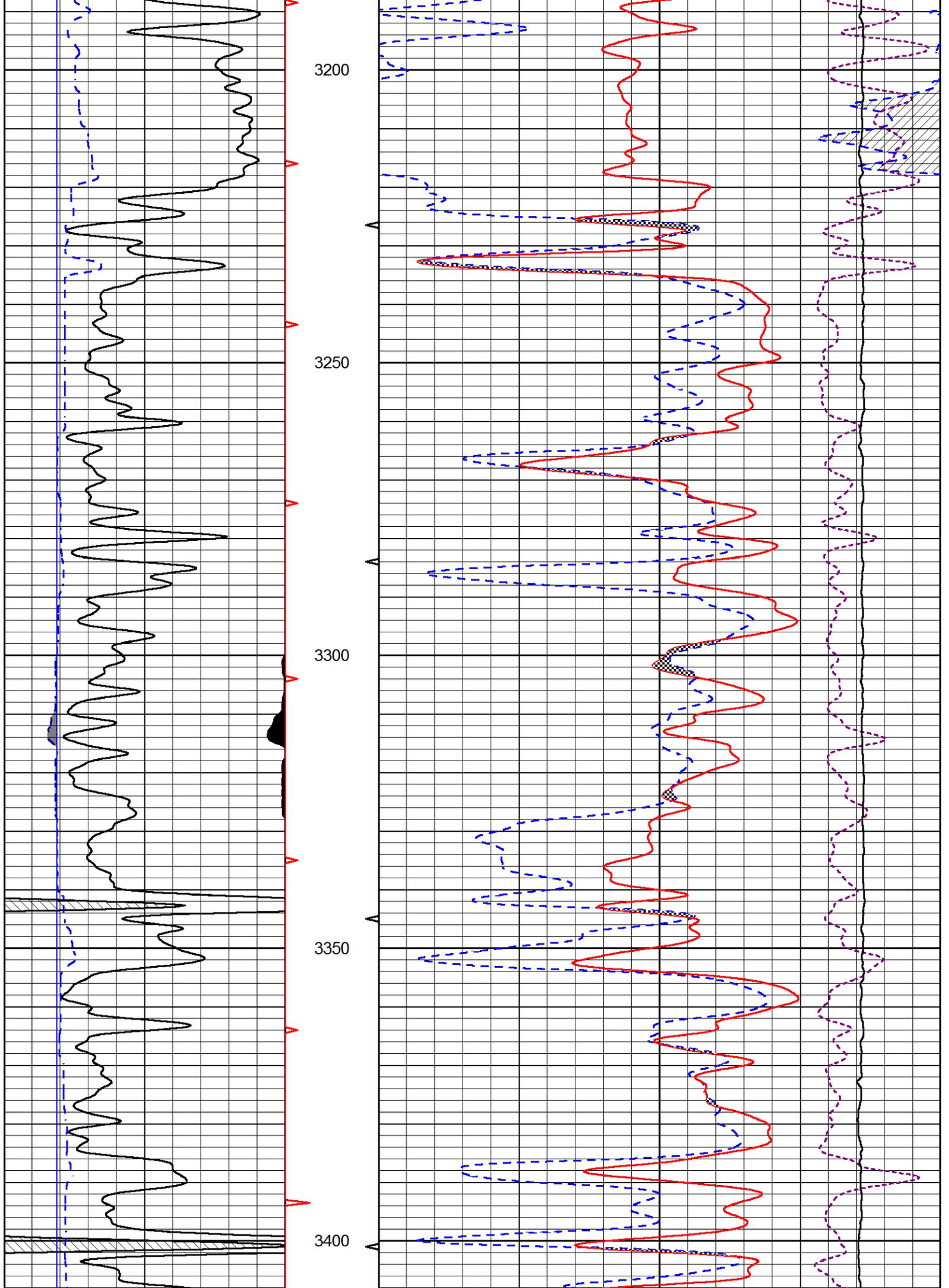


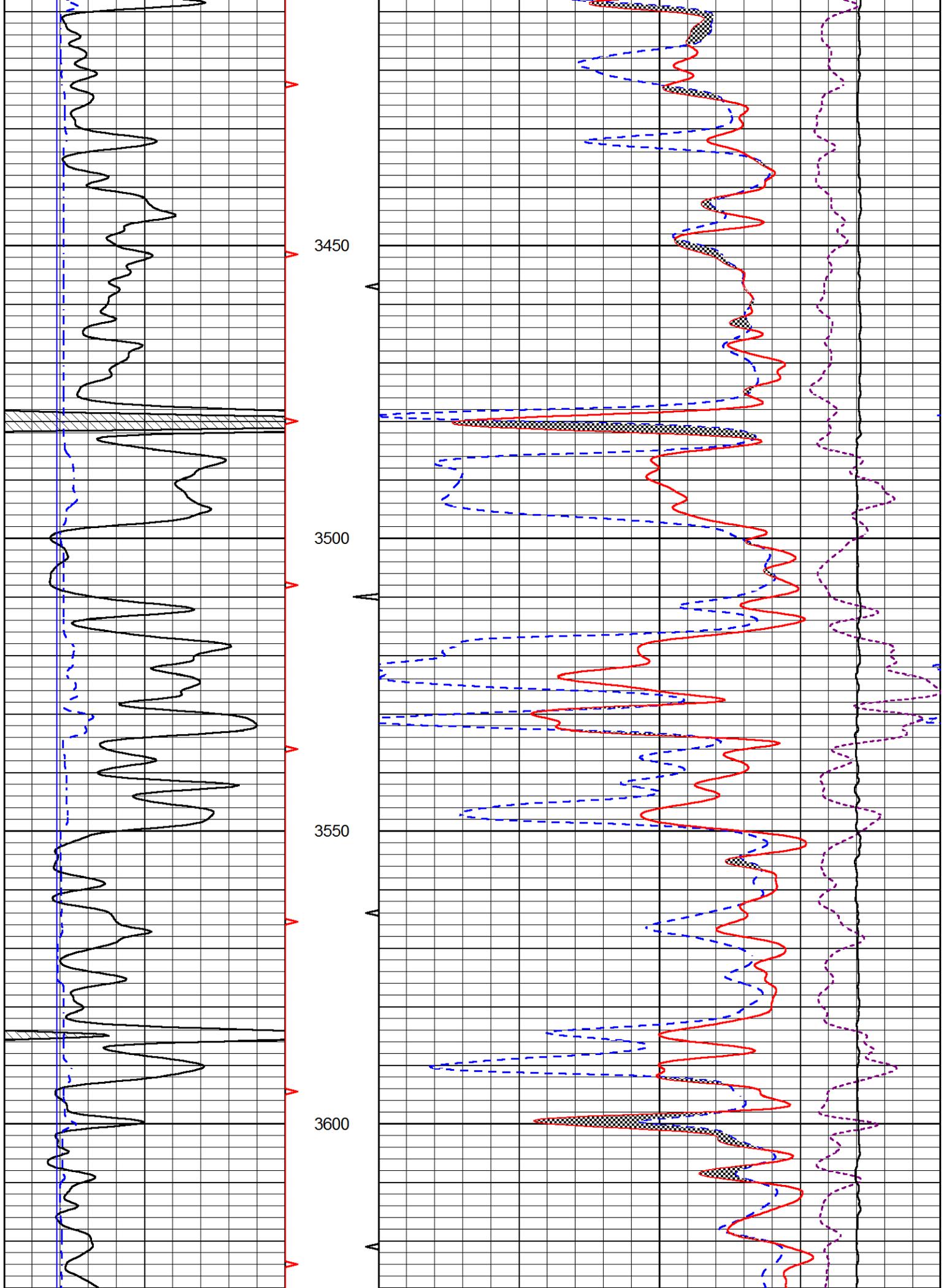


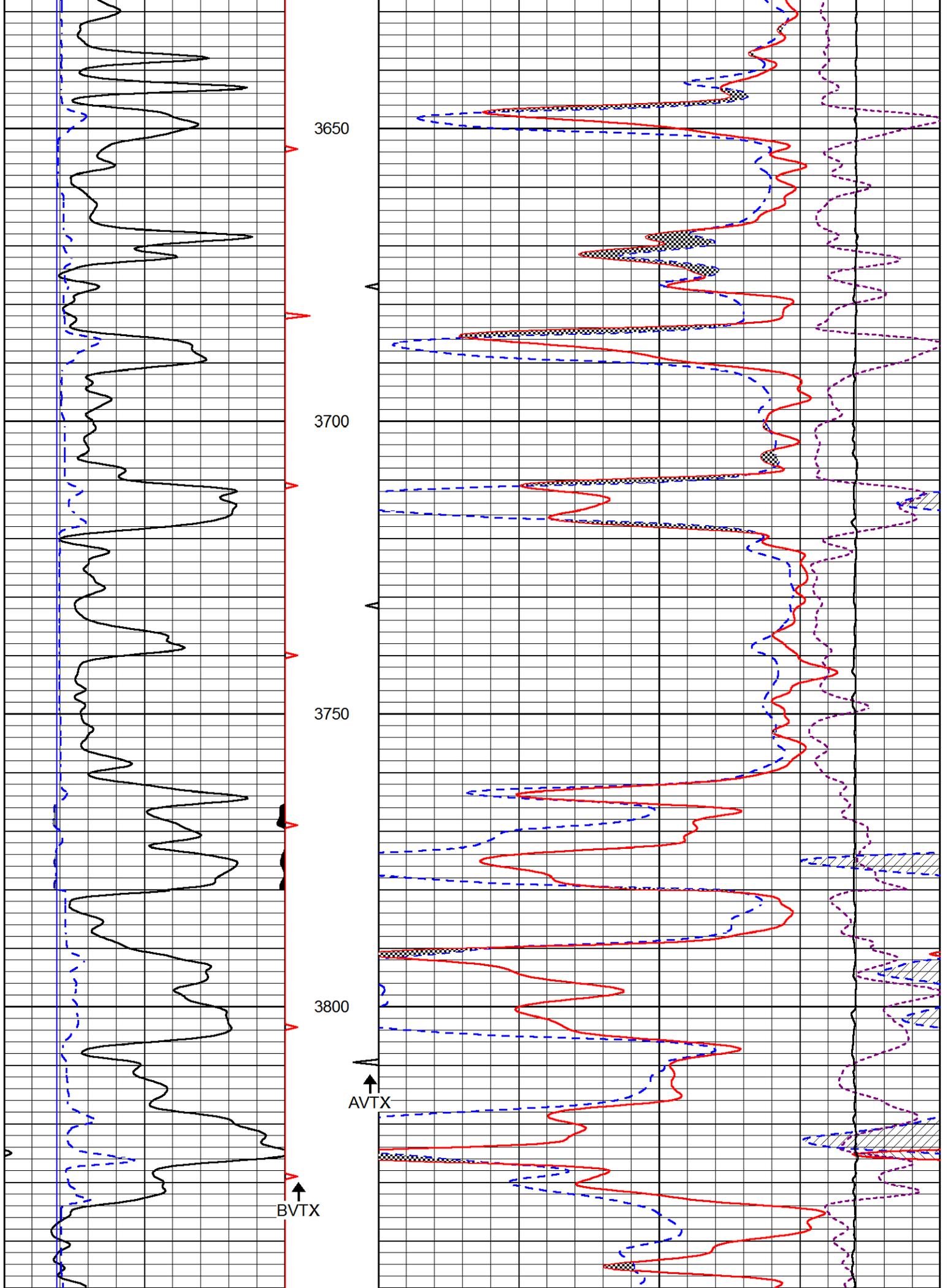


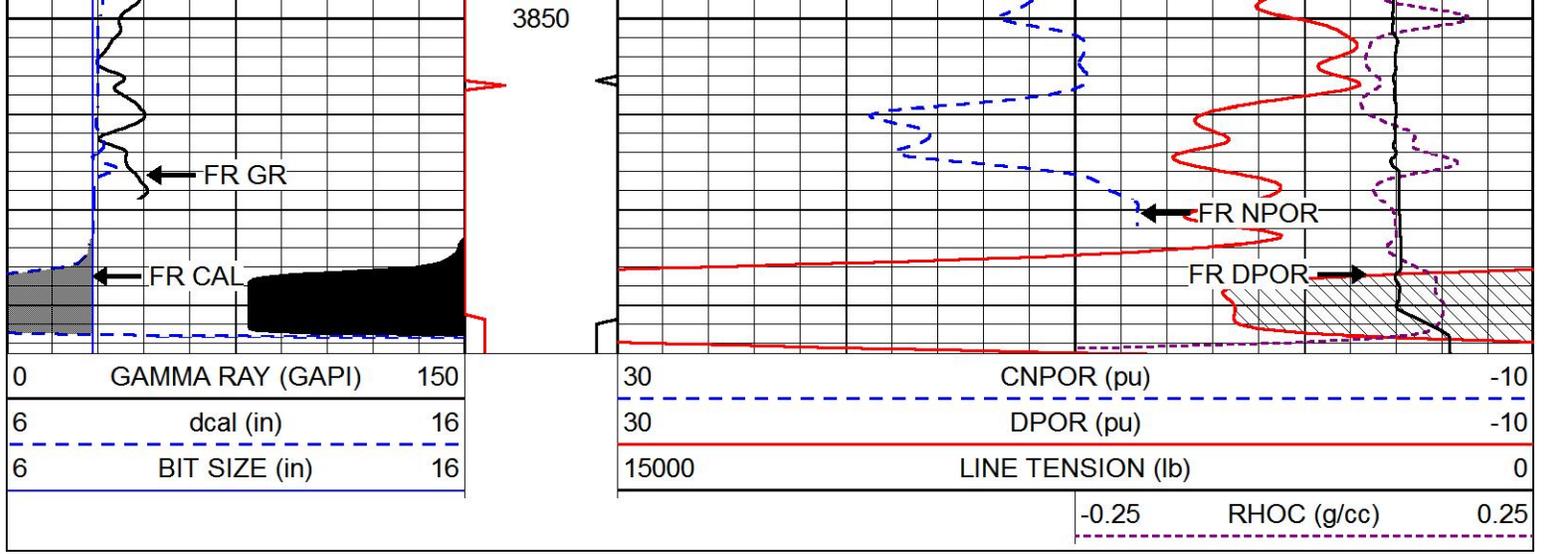








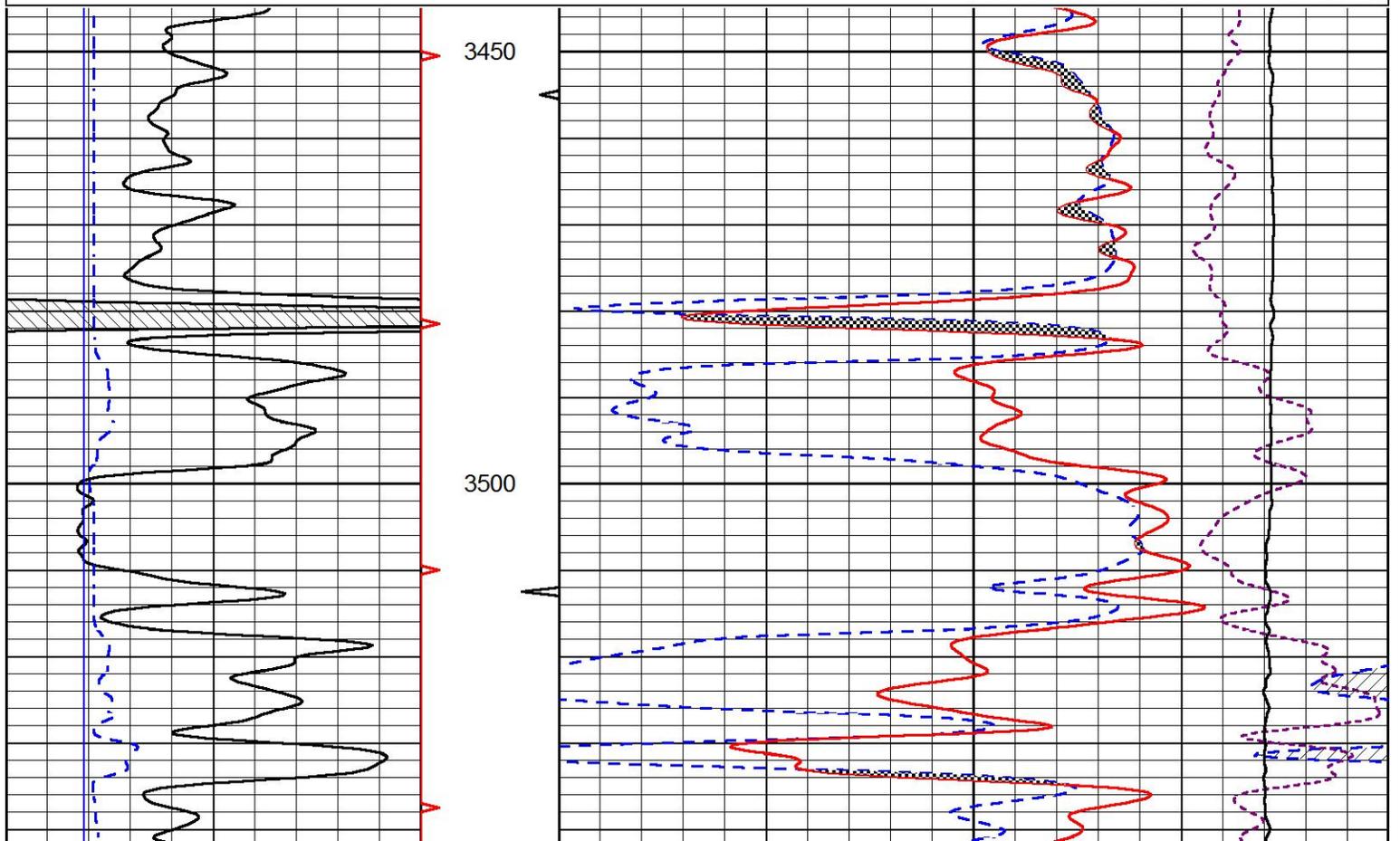
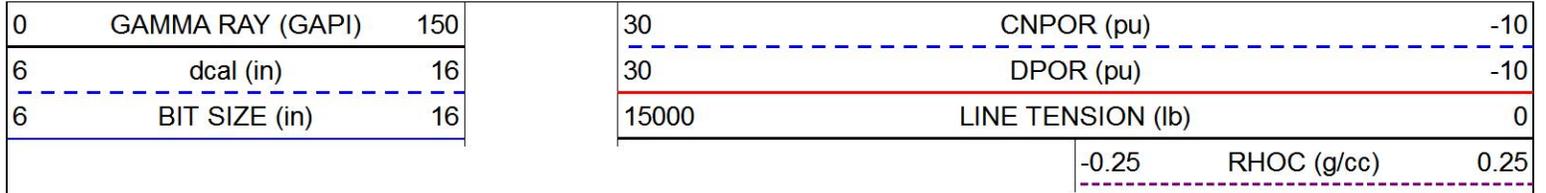


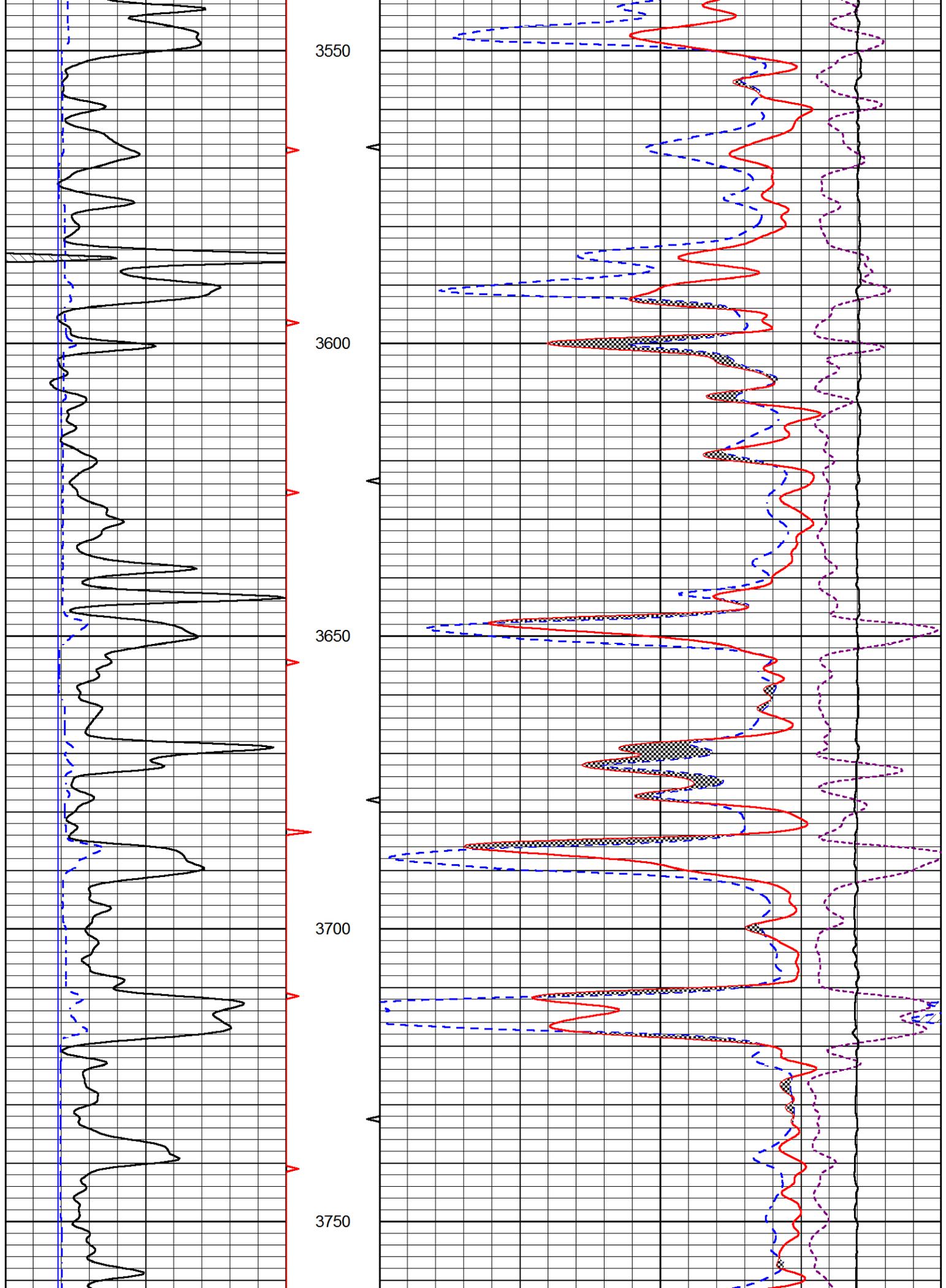


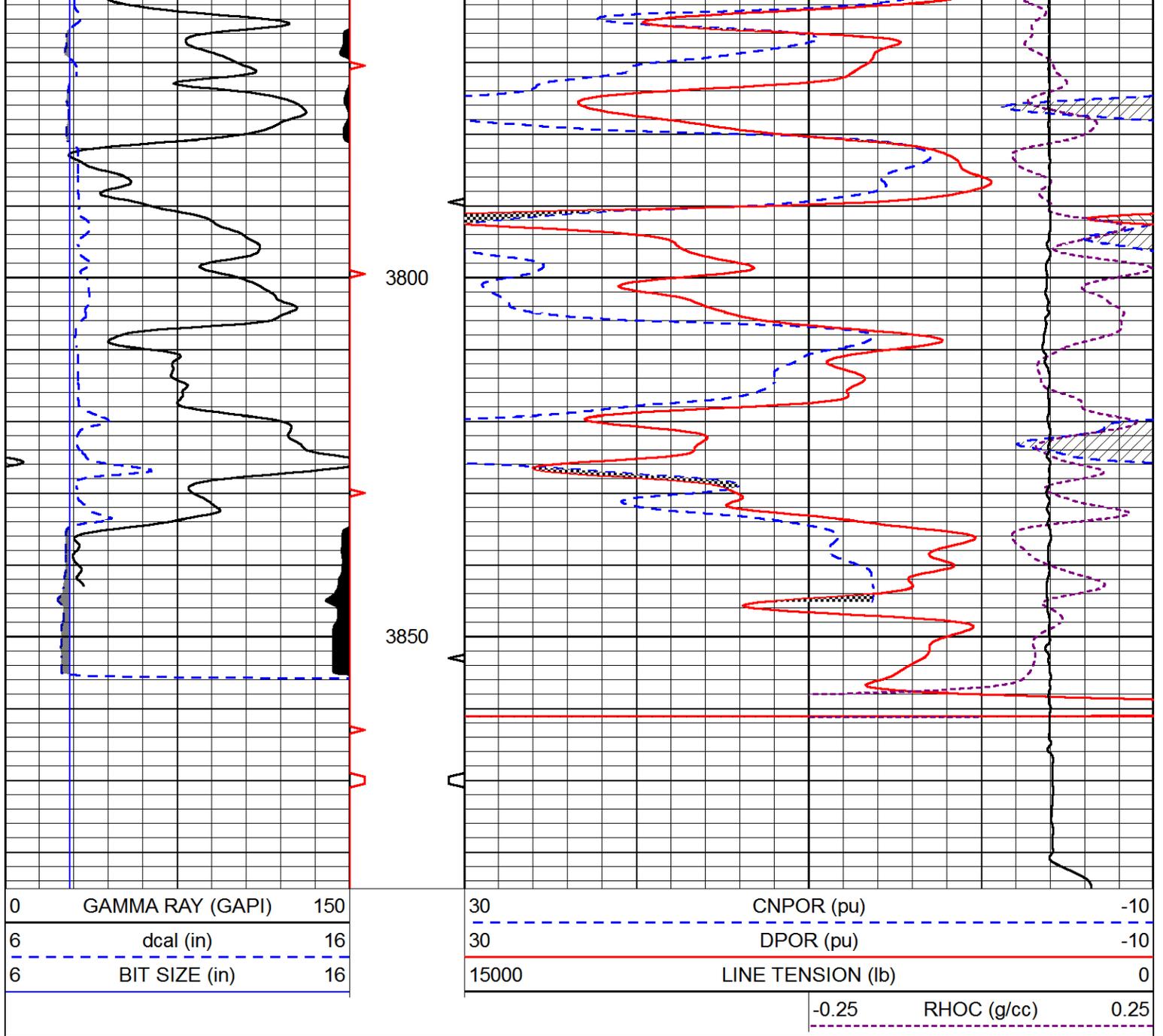
MIDWEST WIRELINE

Repeat Section

Database File meridian_stadelman_1.db
 Dataset Pathname stackml/pass2.1
 Presentation Format cndlspec
 Dataset Creation Tue Nov 17 06:58:19 2020
 Charted by Depth in Feet scaled 1:240







Calibration Report

Database File meridian_stadelman_1.db
 Dataset Pathname stackml/pass3.1
 Dataset Creation Tue Nov 17 07:23:50 2020

Dual Induction Calibration Report

Serial-Model: 55-222-M&W
 Calibration Performed: Tue Dec 10 05:11:10 2019

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	167.000	835.000	0.000	255.800	mmho/m	0.600	-41.000
Medium	0.000	1348.000	142.000	255.800	mmho/m	0.440	-15.000

Microlog Calibration Report

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	25000.0000	0.0000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	25000.0000	0.0000
Caliper	1.3766	1.0818	8.0000	22.0000	in	-47.4839	69.4000

Compensated Density Calibration Report

Serial-Model: 915-956-M&W
 Source / Verifier: /
 Master Calibration Performed: Thu Mar 19 09:21:34 2020

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3668.53	4669.61	cps
Aluminum	2.675	g/cc	710.88	3056.05	cps
Spine Angle = 75.51			Density/Spine Ratio = 0.543		
	Size		Reading		
Small Ring	4.00	in	1.17		
Large Ring	14.00	in	1.05		

Compensated Neutron Calibration Report

Serial Number: tk10-MW
 Tool Model: M&W
 Calibration Performed: Wed Nov 16 11:21:36 2016

Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number: 89-M&W
 Tool Model: M&W
 Calibration Performed: Tue Dec 10 05:11:34 2019

Calibrator Value: 1000.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 6.2 cps

Sensitivity: 0.5200 GAPI/cps



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 Field Stadelman Northeast
 County Ellis

MINNAPRES

State Kansas