



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

CompanyGriffin Management LLC		Company Griffin Management LLC					
Well	Stacy #4	Well	Stacy #4				
Field	Moffett	Field	Moffett				
County	Barber	County	Barber				
State	Kansas	State	Kansas				
Location:		API # : 15-007-24404-00-00	Other Services				
SEC 9 N2 N2 N2 330 FNL & 2640 FWL		DIL/MEL					
Permanent Datum	Ground Level	Elevation	1994				
Log Measured From	Kelly Bushing	K.B.	2006				
Drilling Measured From	Kelly Bushing	D.F.	1994				
Date		10/23/2022					
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	4839						
Depth Logger	4842						
Bottom Logged Interval	4813						
Top Logged Interval	2800						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	7000						
Density	9.3						
Level	Full						
Max. Rec. Temp. F	124						
Operating Rig Time	3 Hours						
Equipment -- Location	P-24 Hays						
Recorded By	T. Martin						
Witnessed By	Eli Felts						
Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	264	8.625	23	00	264
Two	7.875	264	TD				

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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.

Pratt, W to Croft Blktp, S to 110,
1 E, S & E into

Log Measured From: Kelly Bushing 12 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew		This Log Record Was Witnessed By	
Engineer: T. Martin		Primary Witness: Eli Felts	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33			GR-M&W (106)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48			CNT-M&W (207-MW)	5.00	3.50	100.00
LSD DCAL SSD	28.18			CDL-M&W (307-11)	8.50	4.00	250.00
	28.17			ML-PSIML (401)	7.58	4.00	65.00
	27.68						
MCAL MI MN	19.58						
	19.58						
	19.58						
RLL3F RLL3	15.50			DIL-M&W (501 HT)	18.25	3.50	220.00
	15.50						
CILD	8.33						
	4.50						
CILM	4.50						
SP	0.20						
Dataset: griffin_stacy #4.db: field/well/StkMI/pass3.1 Total length: 42.33 ft Total weight: 685.00 lb O.D.: 4.00 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_stacy #4.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 124	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 180	degF 90	Off	ft 4842

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



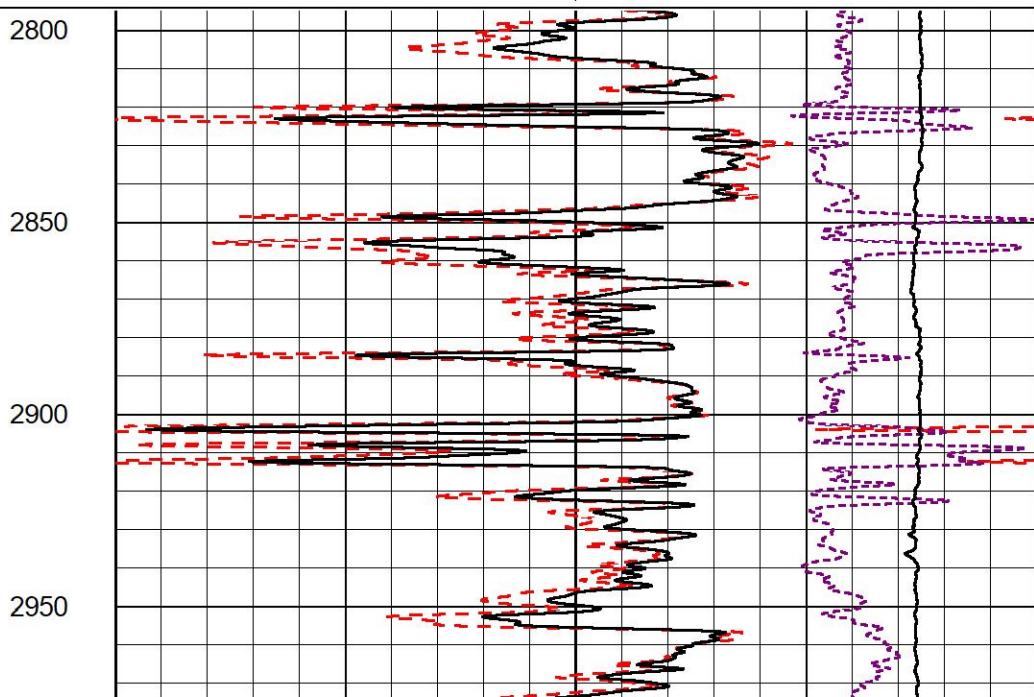
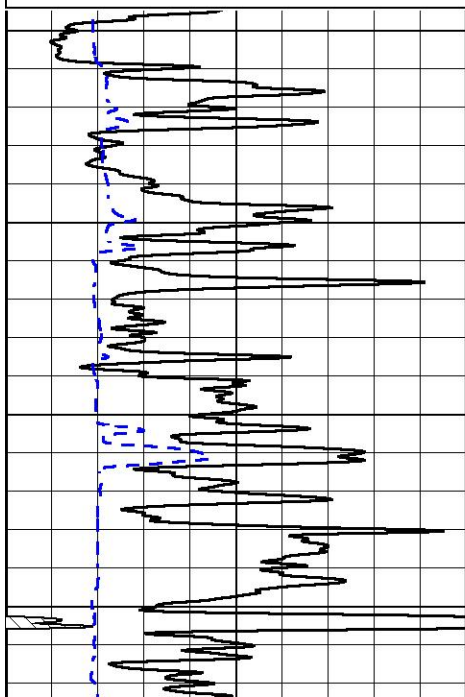
2" SCALE BULK DENSITY

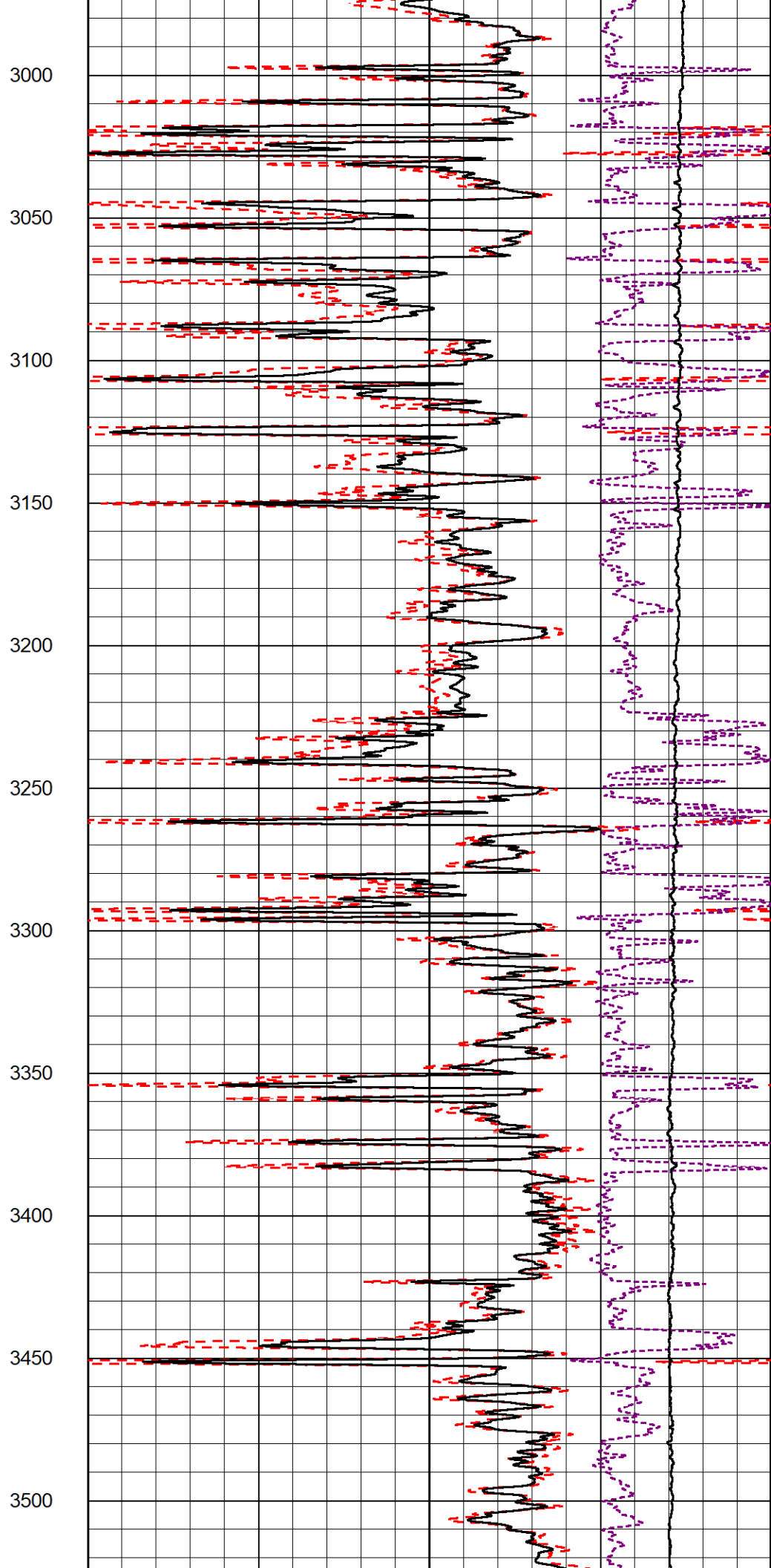
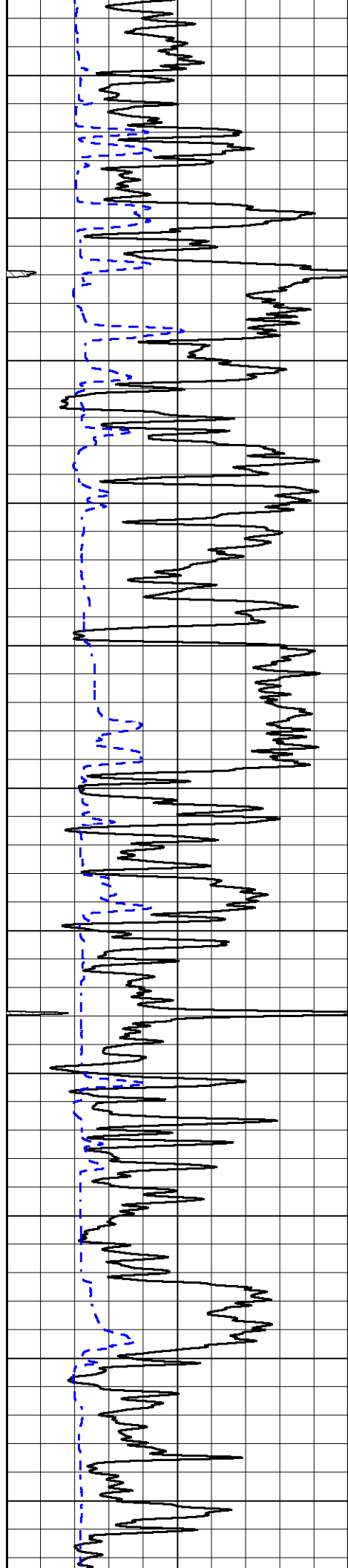
MAIN PASS

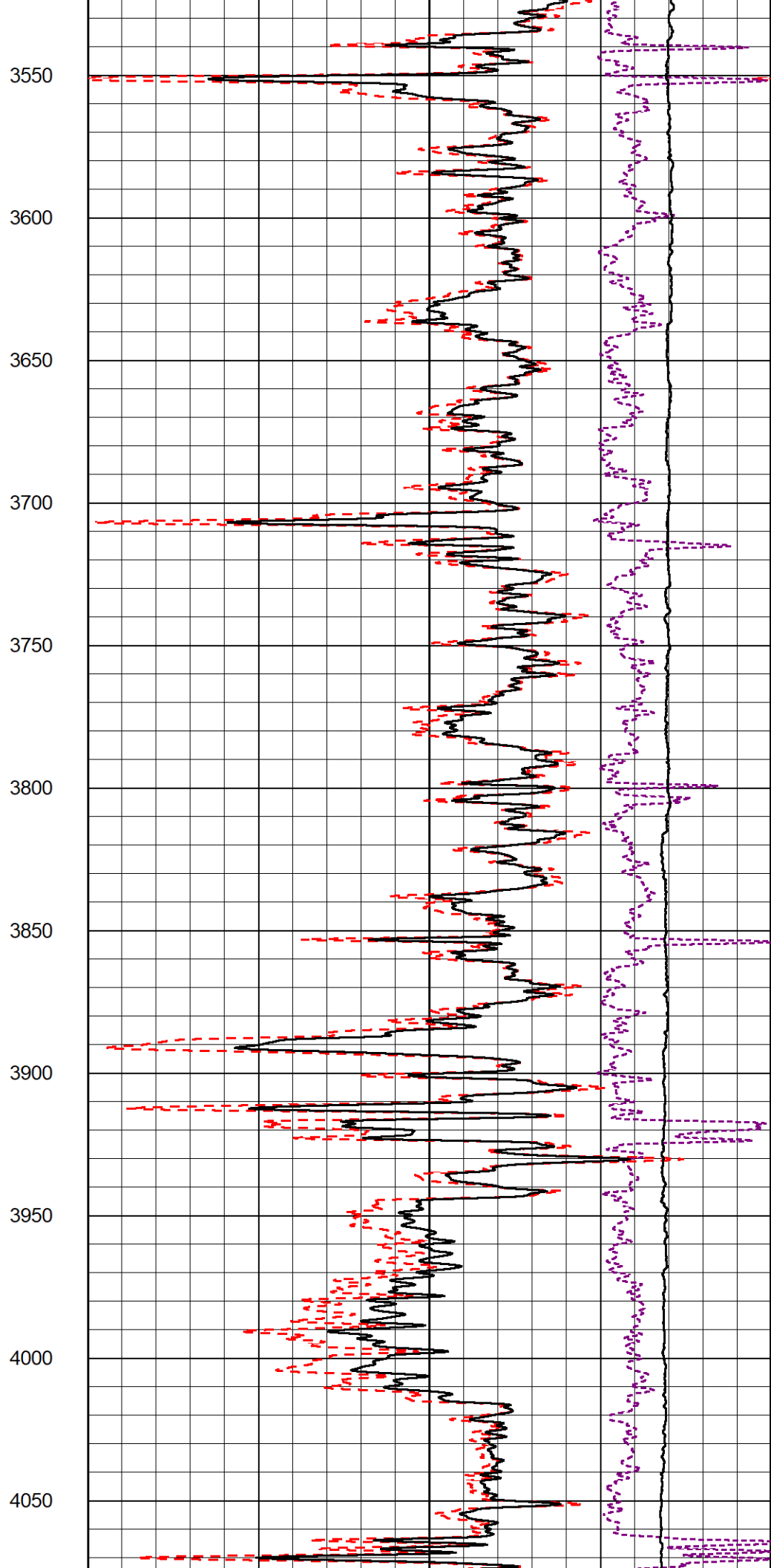
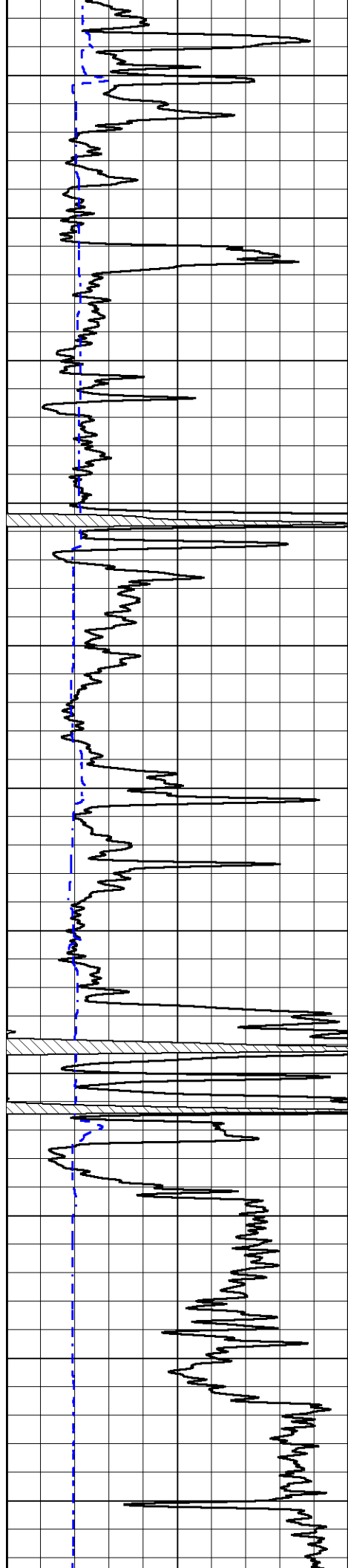
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Charted by Depth in Feet scaled 1:600

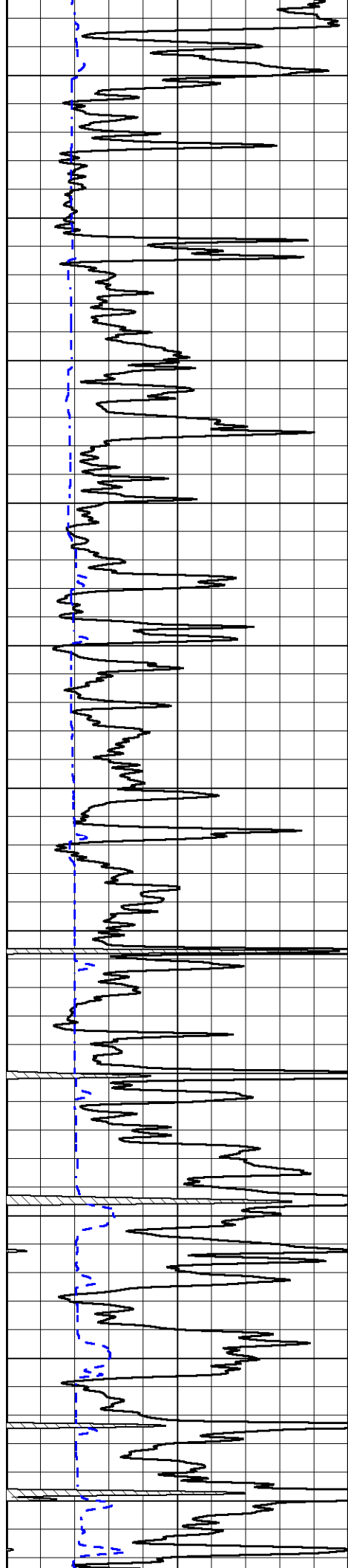
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25









4100

4150

4200

4250

4300

4350

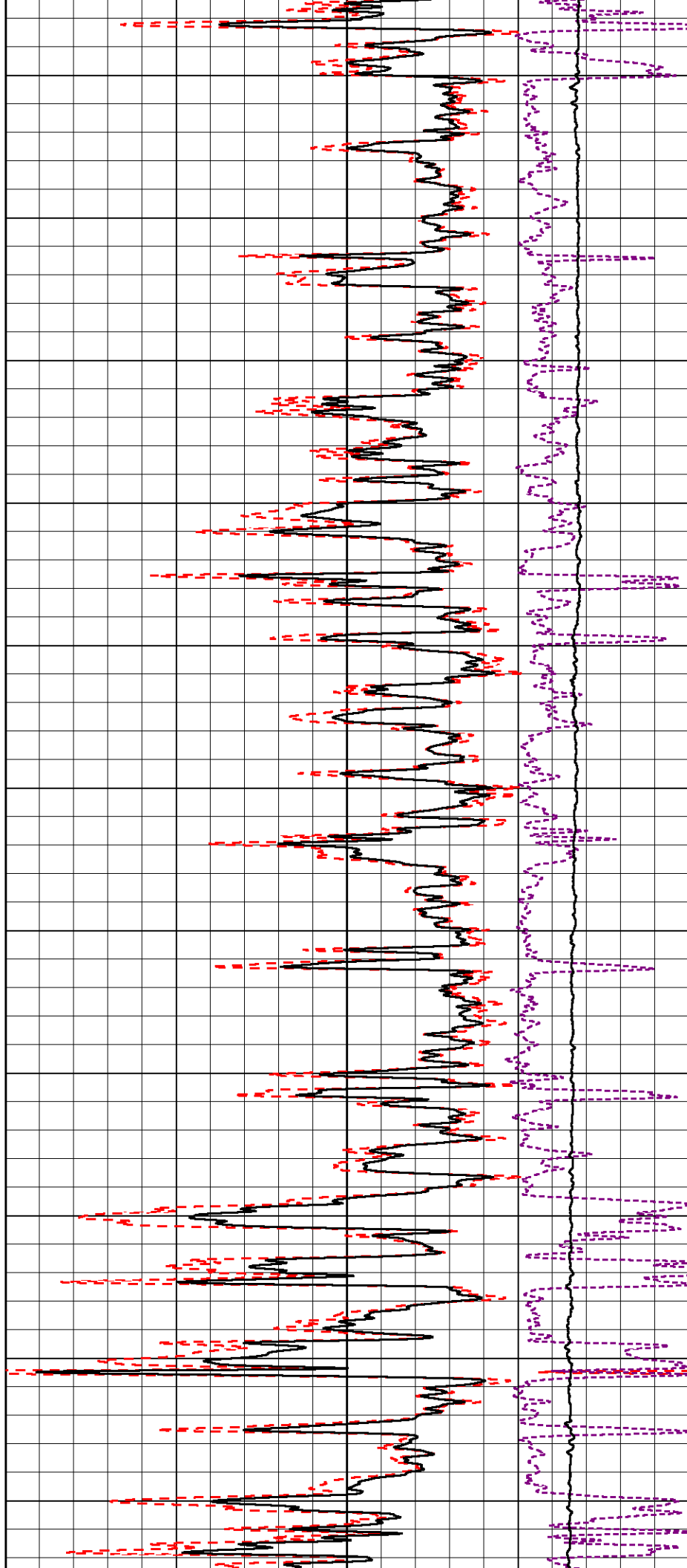
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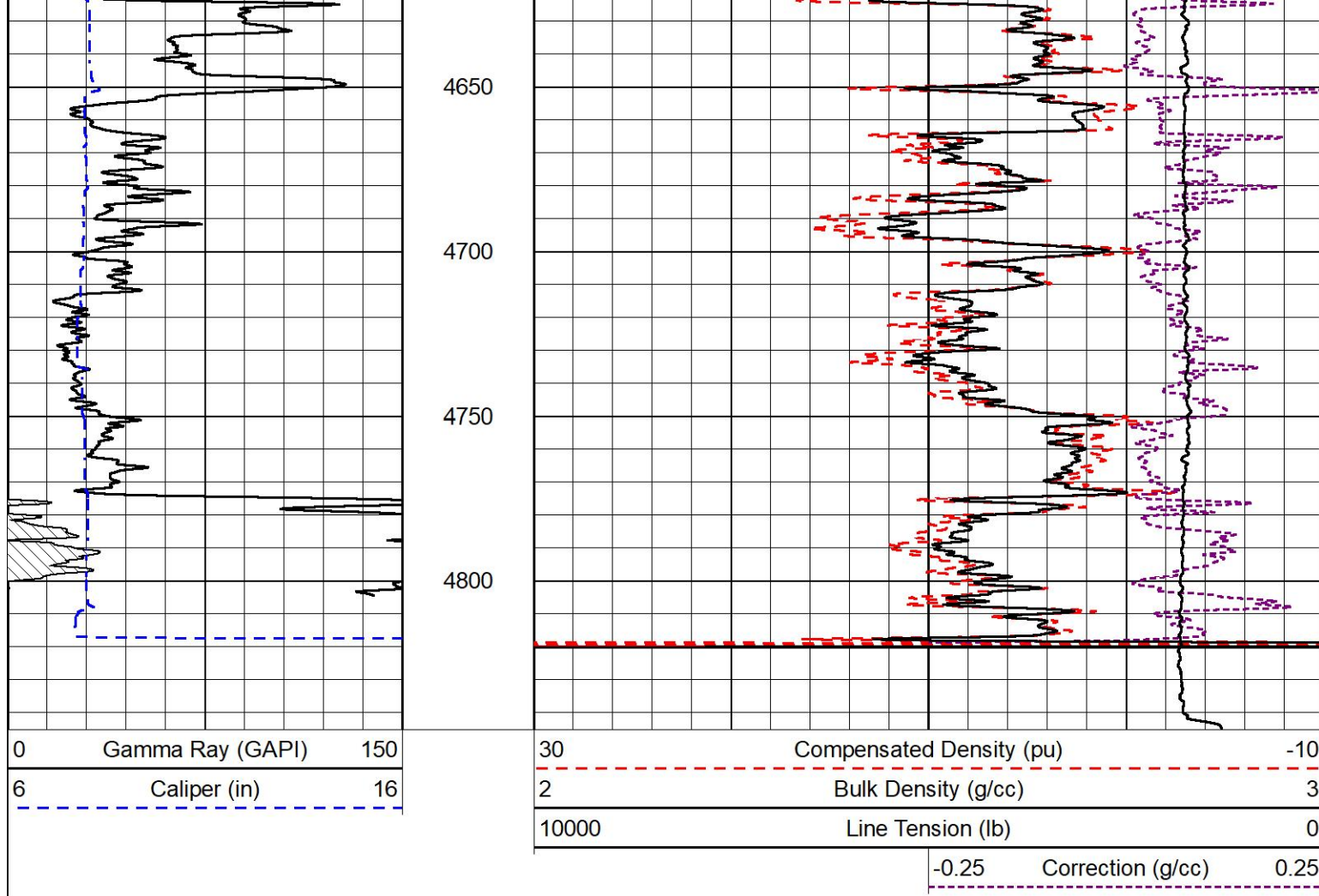
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4500

4550

4600



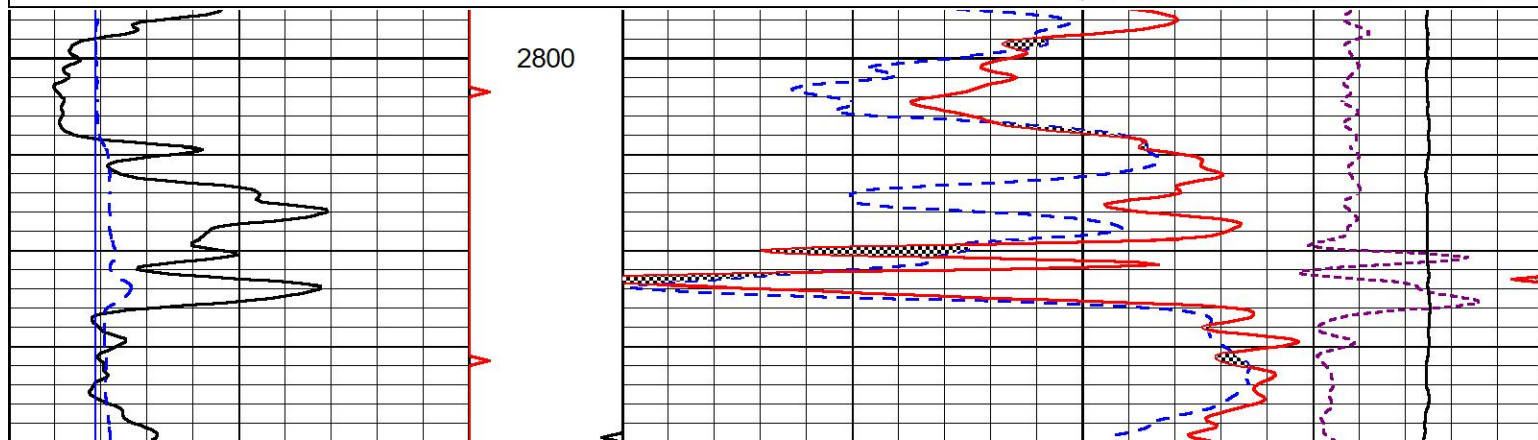


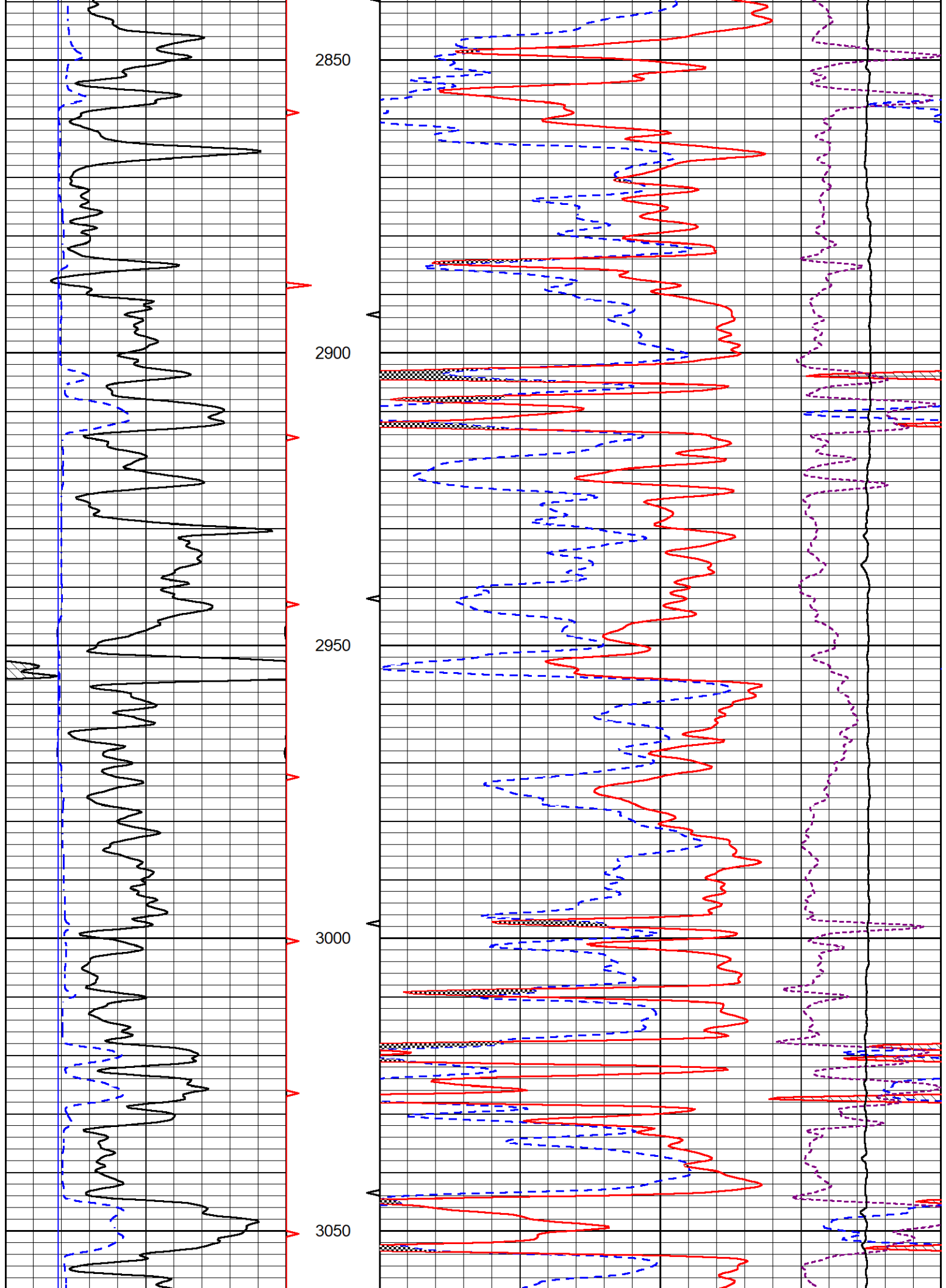
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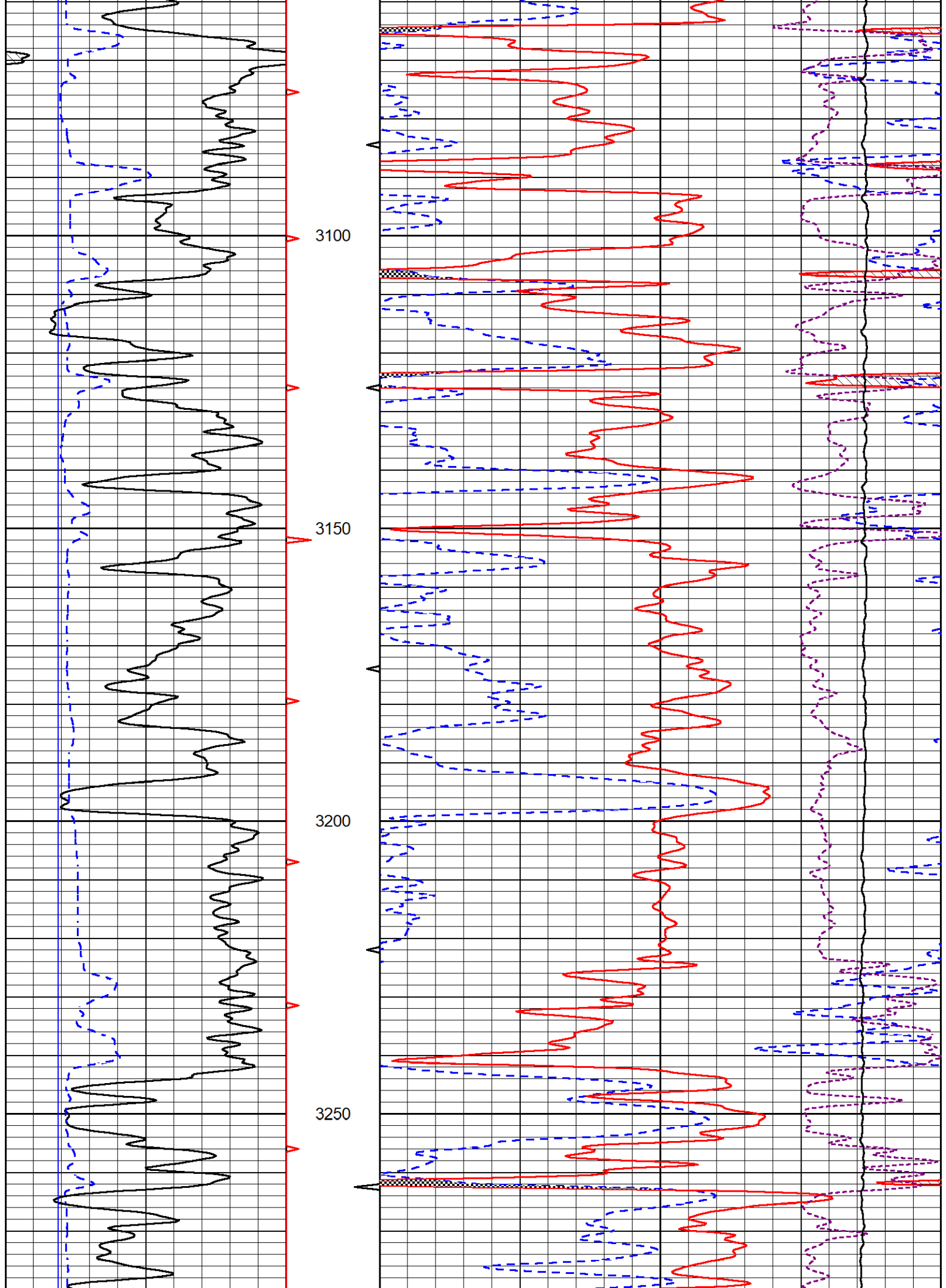
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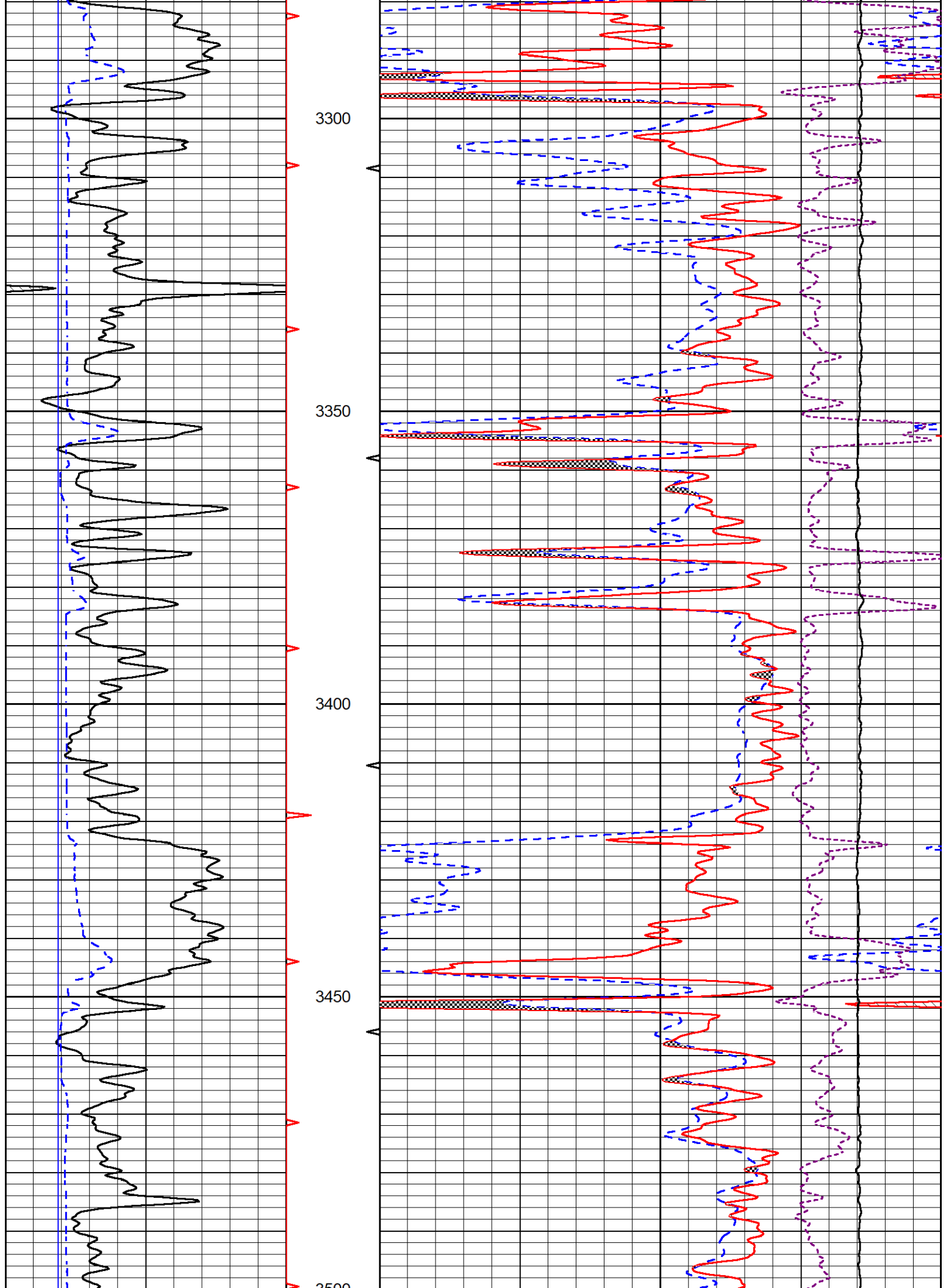
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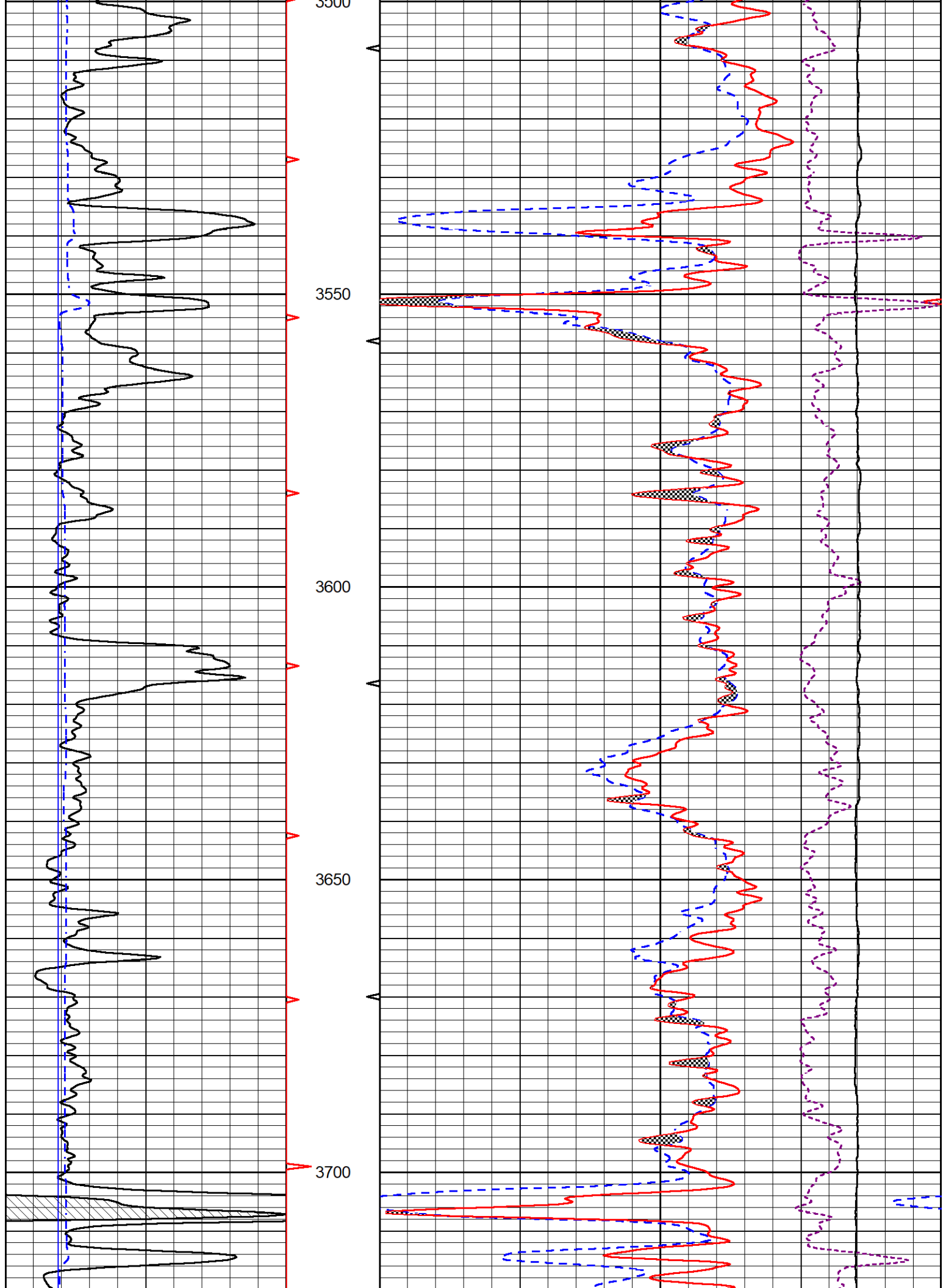
0	Gamma Ray (GAPI)	150	30	Compensated Neutron (pu)	-10
6	Caliper (in)	16	30	Compensated Density (pu)	-10
2.875	DCAL (in)	7.875	10000	Line Tension (lb)	0
			-0.25 Correction (g/cc) 0.25		

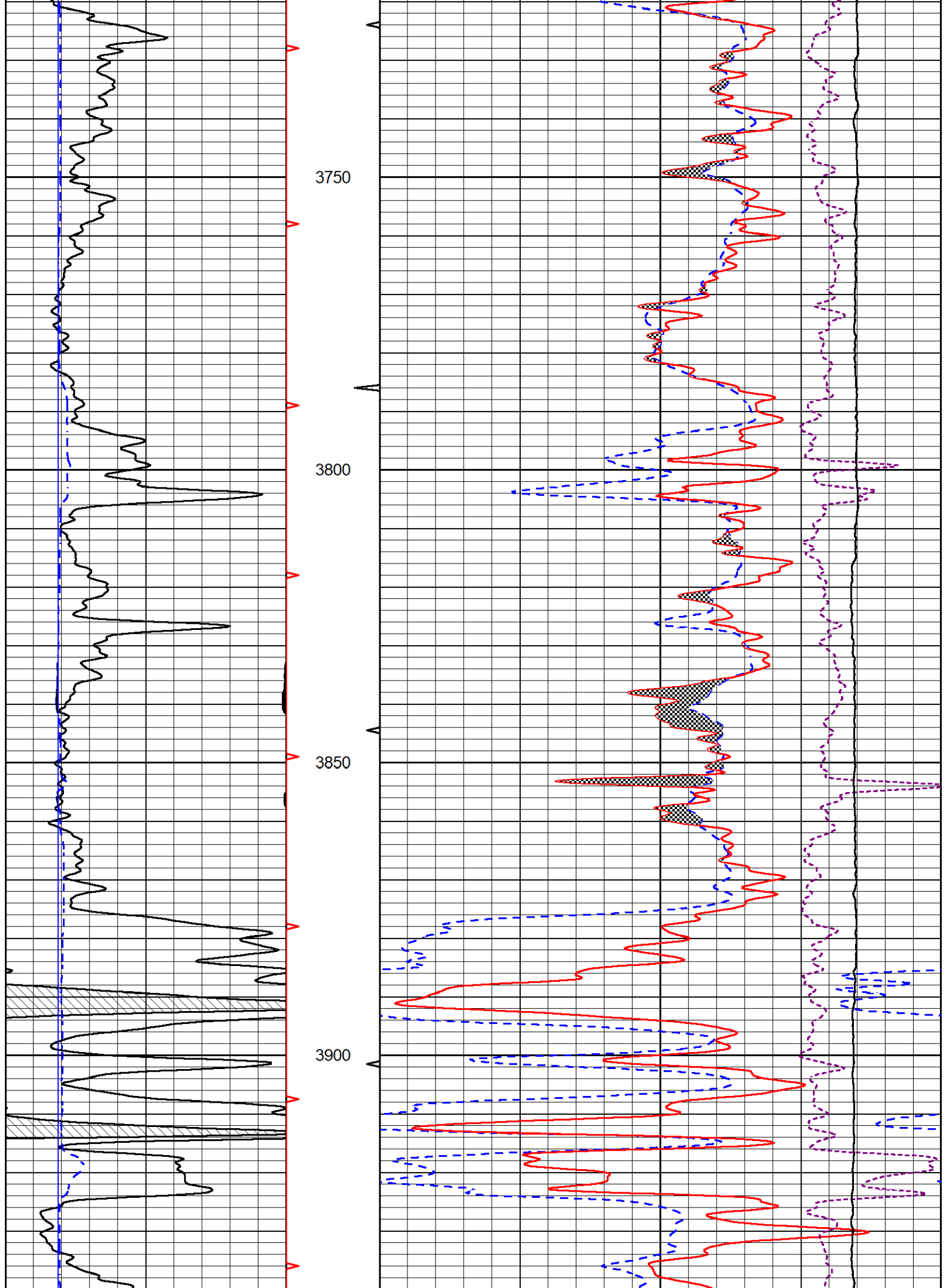


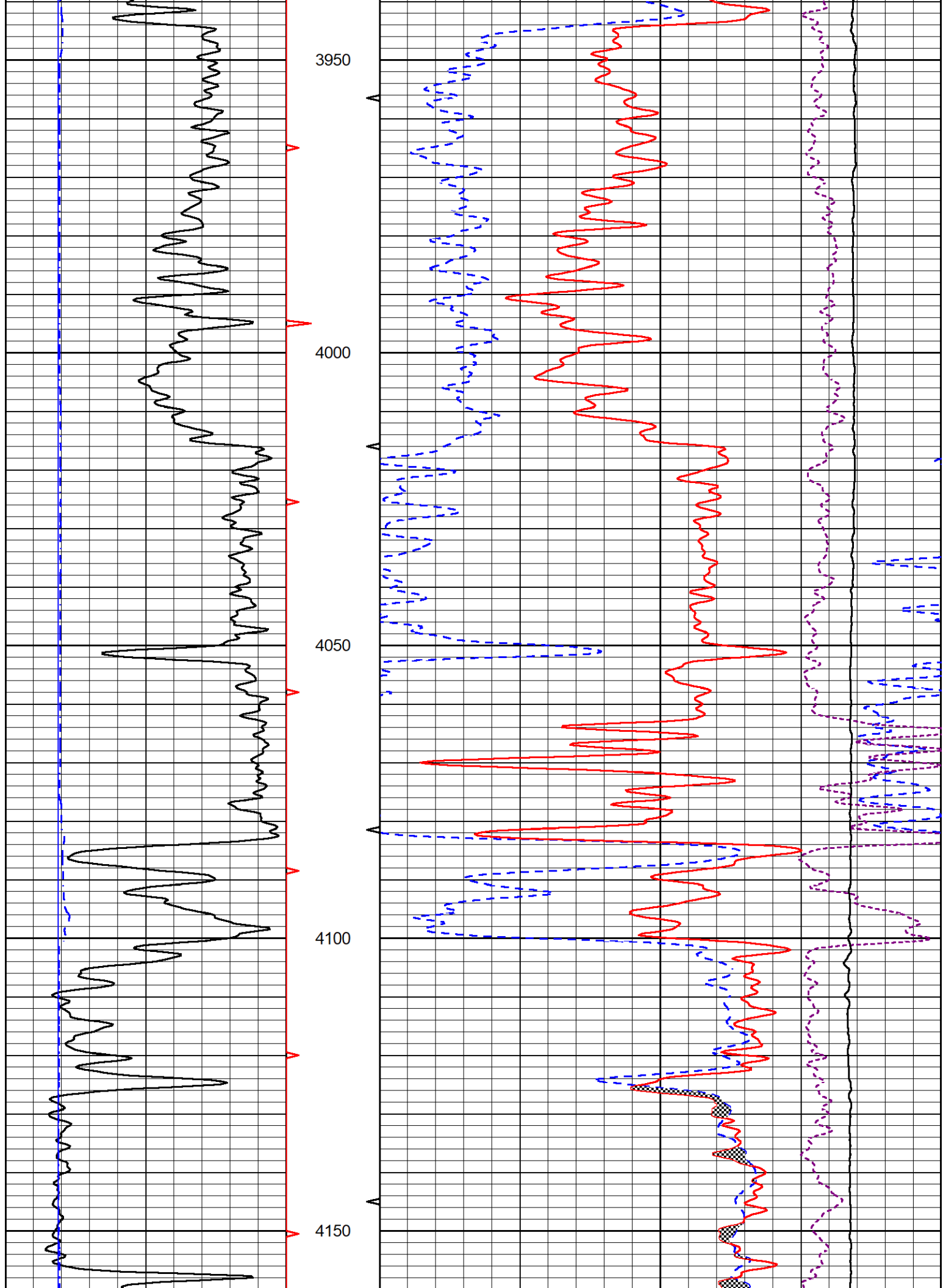


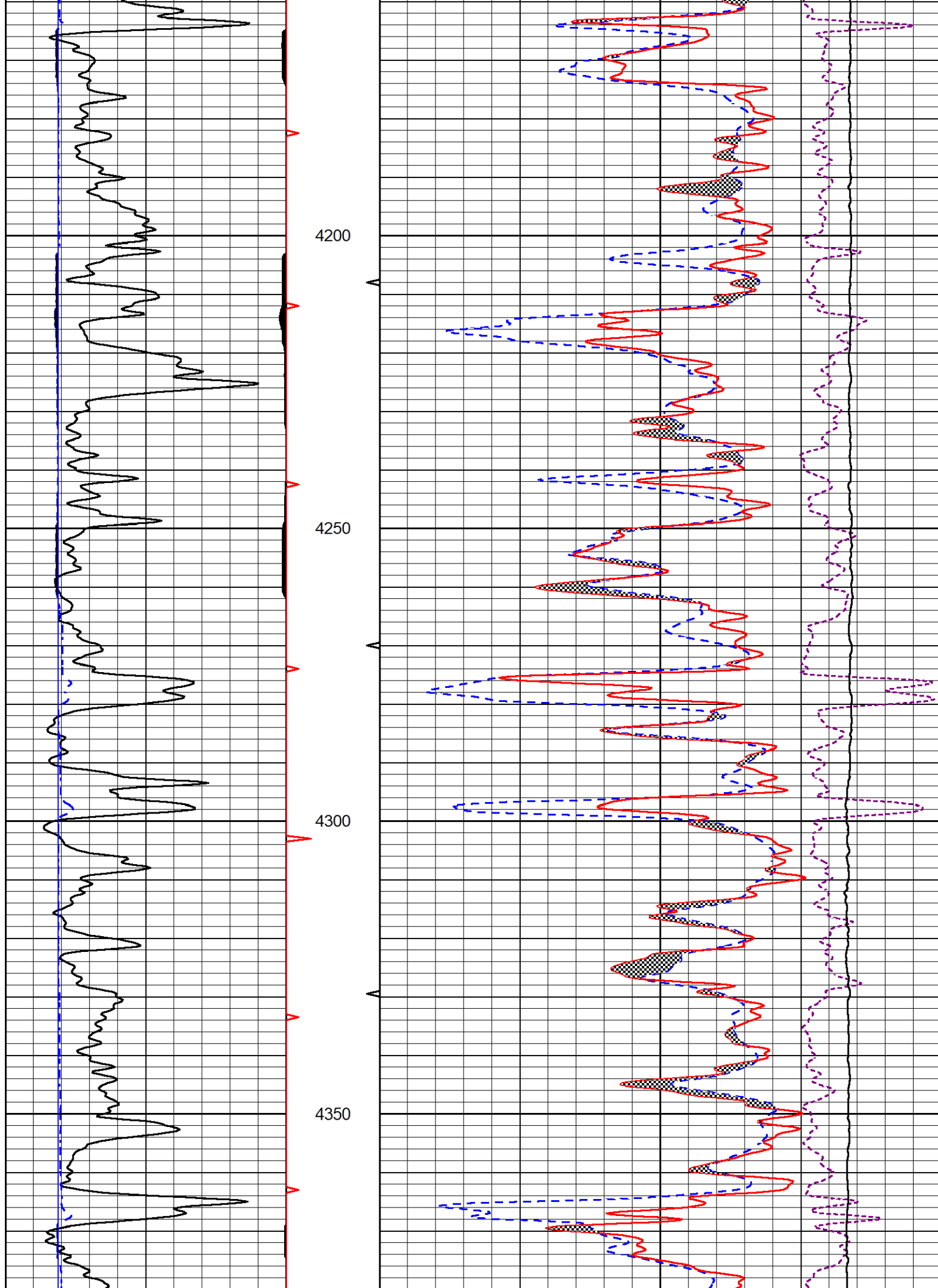


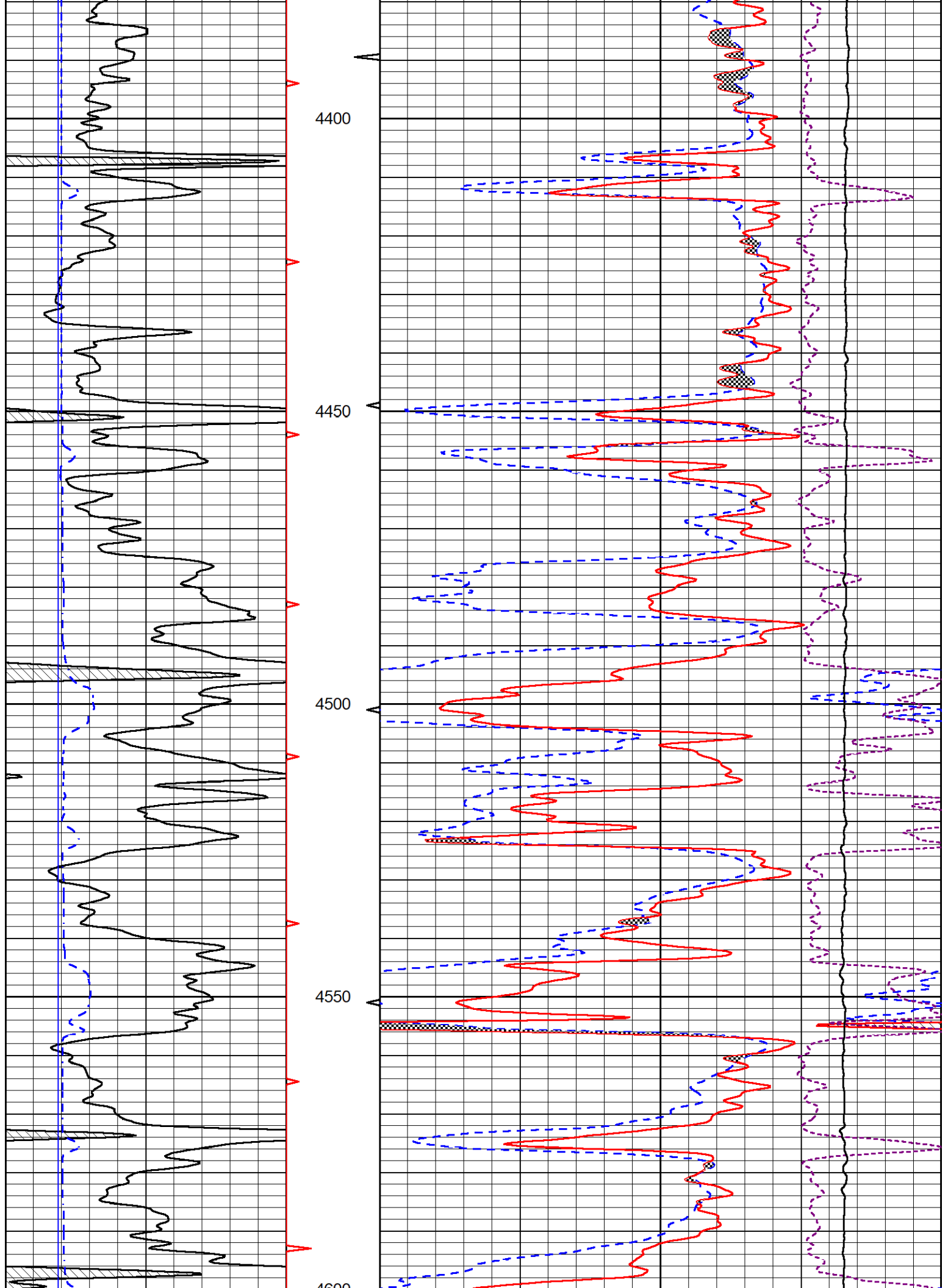


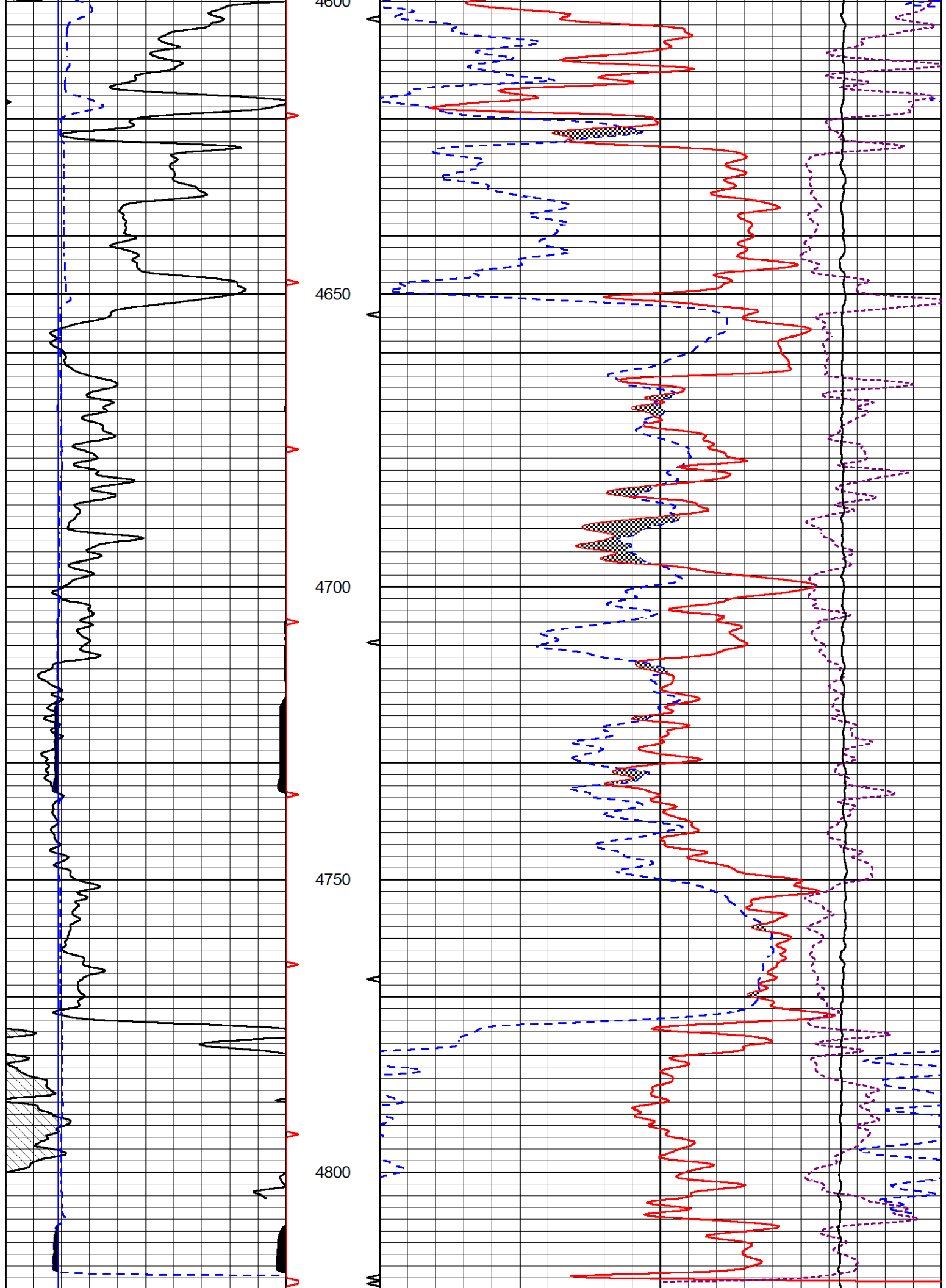


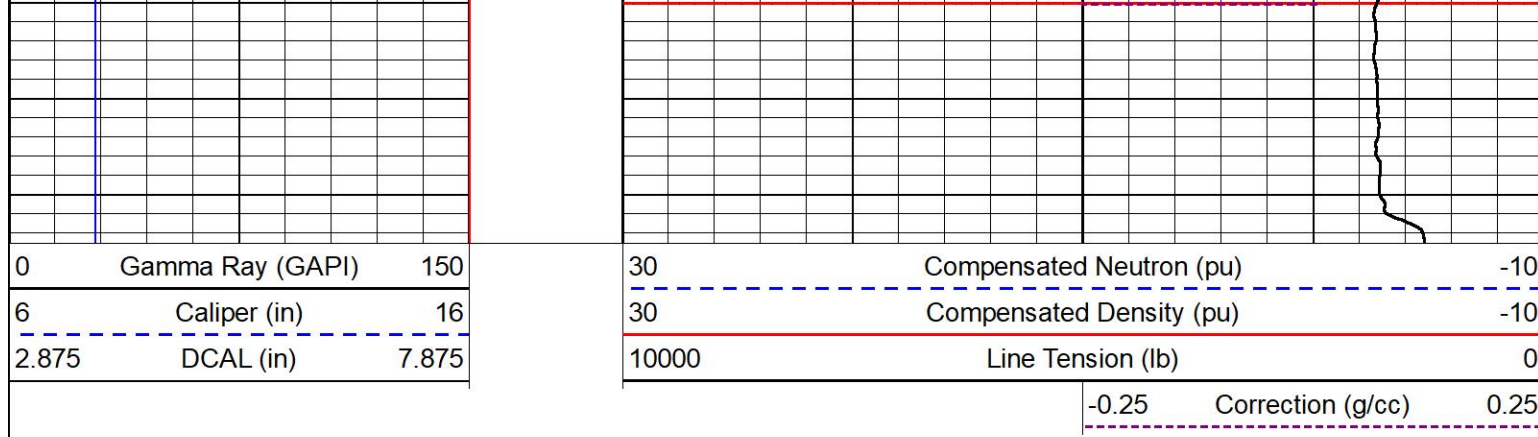










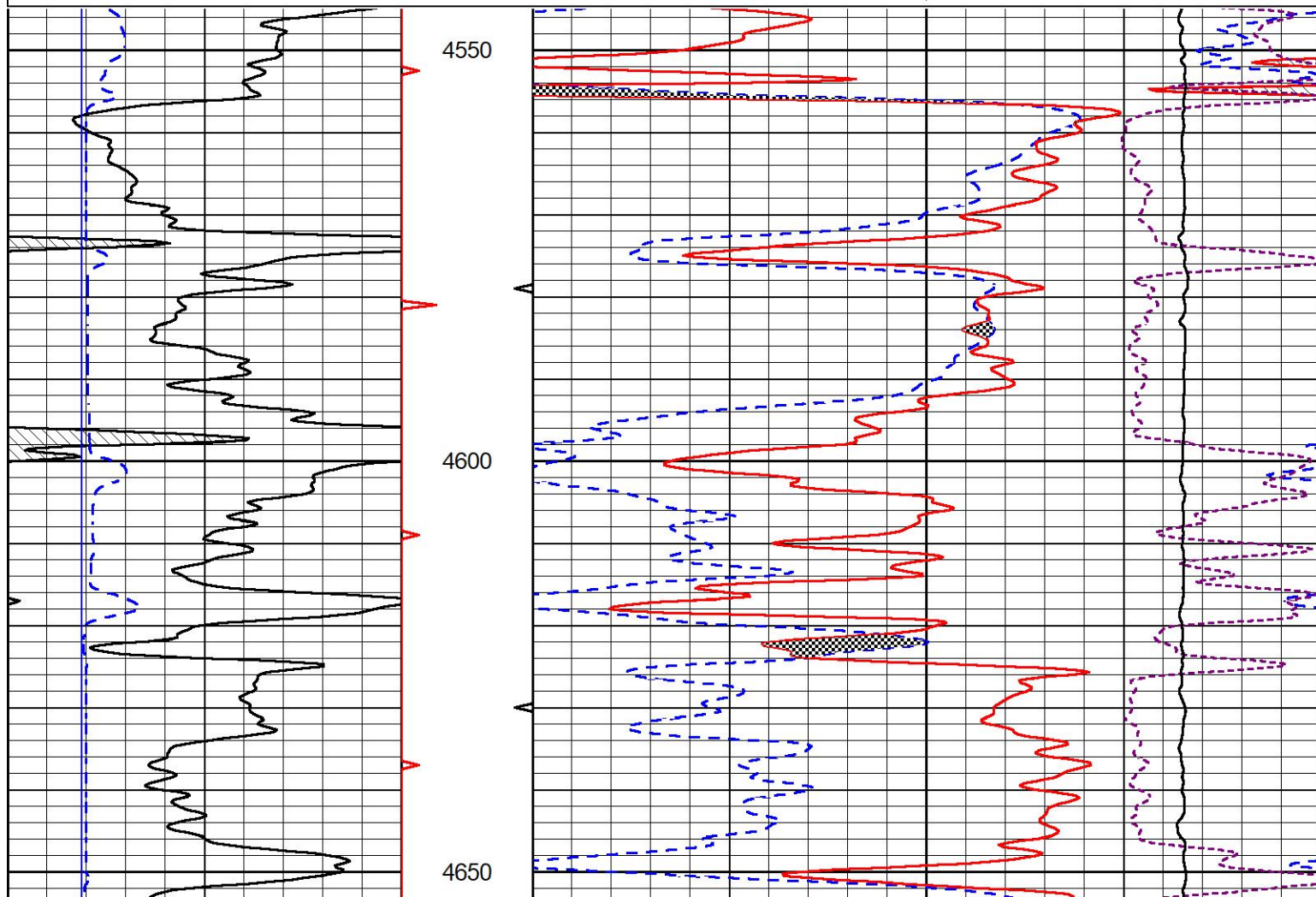
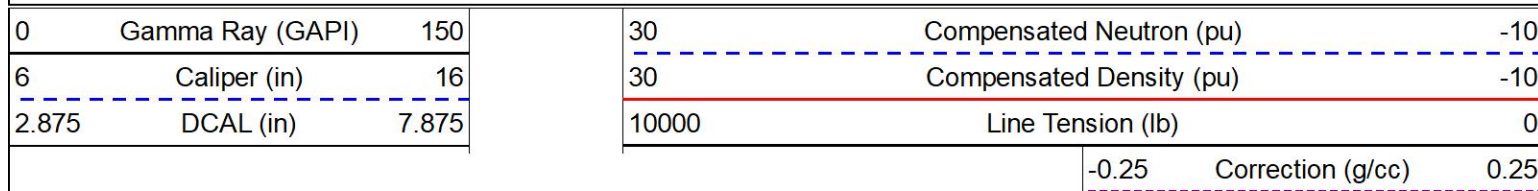


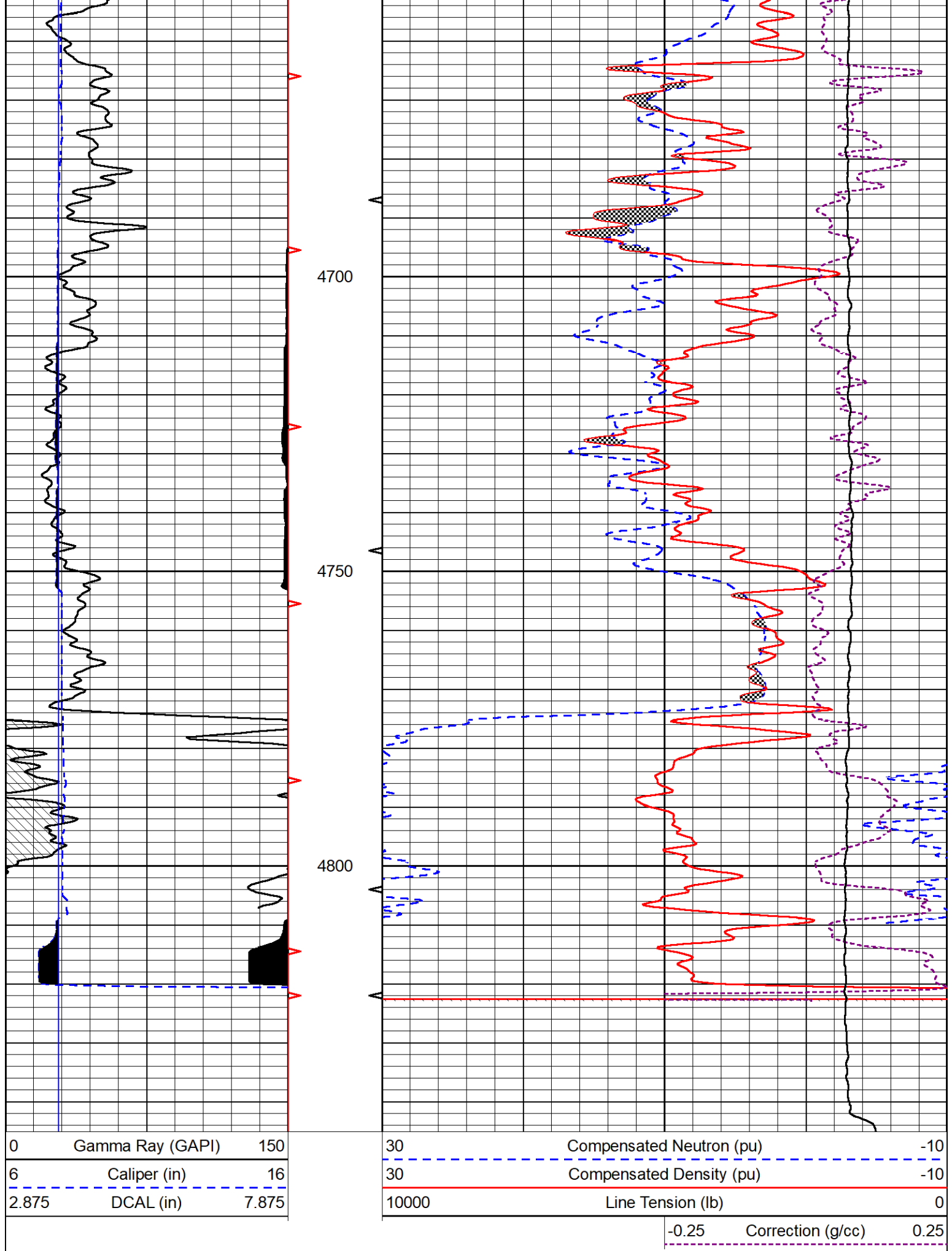
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File griffin_stacy #4.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _CNDLS~1
 Dataset Creation Sun Oct 23 16:21:01 2022
 Charted by Depth in Feet scaled 1:240





Serial-Model: 501 HT-M&W
Surface Cal Performed: Tue Oct 11 22:01:45 2022

		Readings		References		Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.455	-35.500
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.305	-36.300

Serial-Model: 401-PSIML
Performed: Wed Oct 19 20:26:45 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	-0.4000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	22000.0000	0.0000
Caliper	1.0052	1.0858	5.0000	16.5000	in	98.0000	-93.0000

Serial-Model: 307-11-M&W
Source #: 20762B
Master Calibration Performed: Sat Aug 27 10:20:16 2022

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3600.52	4768.22	cps
Aluminum	2.670	g/cc	693.98	3106.20	cps
Spine Angle = 75.41			Density/Spine Ratio = 0.538		
	Size		Reading		
Small Ring	6.00	in	1.16		
Large Ring	18.00	in	1.01		

Serial Number: 207-MW
Tool Model: M&W

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

PRE-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space Long Space	cps cps	pu	pu
2)	Short Space Long Space	cps cps	pu	
3)	Short Space Long Space	cps cps	pu	

POST-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space Long Space	cps cps	pu	pu
2)	Short Space Long Space	cps cps	pu	pu
3)	Short Space Long Space	cps cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	106	
Tool Model:	M&W	
Performed:	Fri Dec 3 15:10:46 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps



MIDWEST WIRELINE

Company	Griffin Management LLC
Well	Stacy #4
Field	Moffett
County	Barber
State	Kansas