

Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin_mj unit 1-10.db
Dataset field/well/stkml/pass4.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	128	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	350	90		5187

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

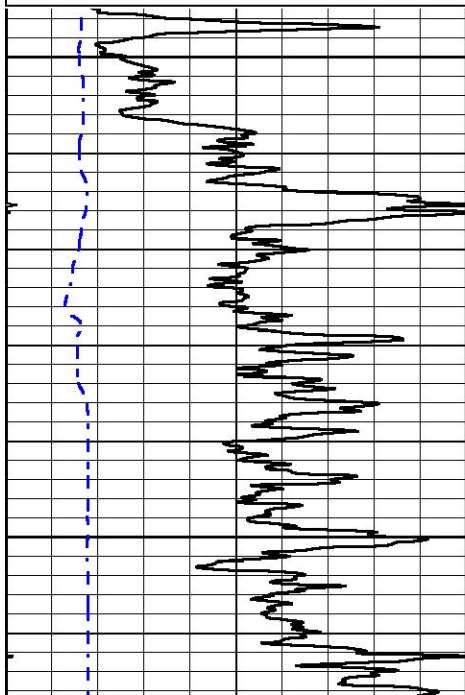


5" SCALE BULK DENSITY

MAIN PASS

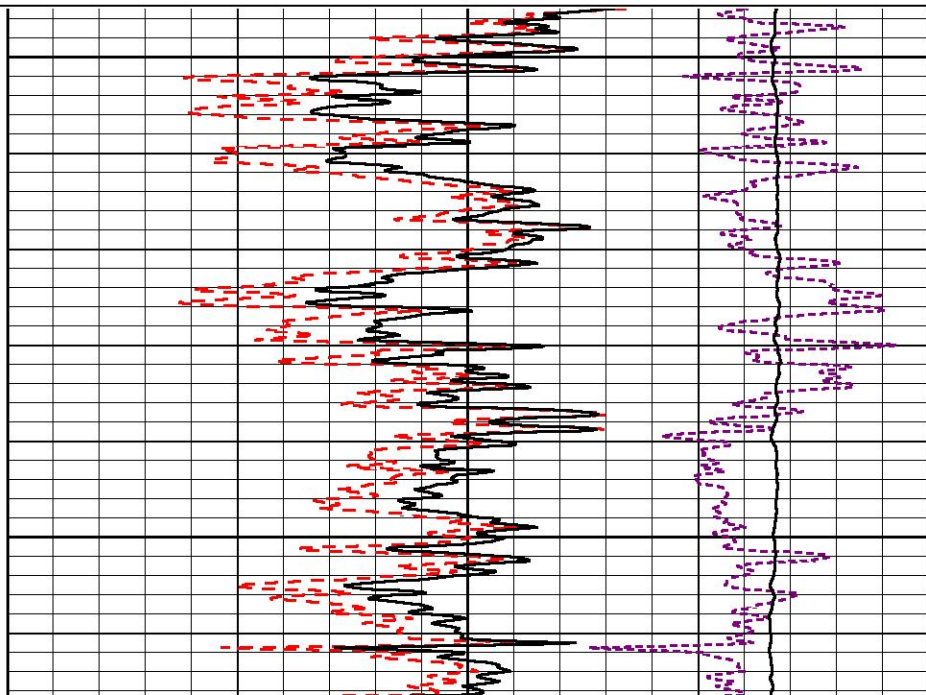
Database File murfin_mj unit 1-10.db
Dataset Pathname stkml/pass4.2
Presentation Format _cdl
Dataset Creation Thu Sep 29 19:23:47 2022
Charted by Depth in Feet scaled 1:240

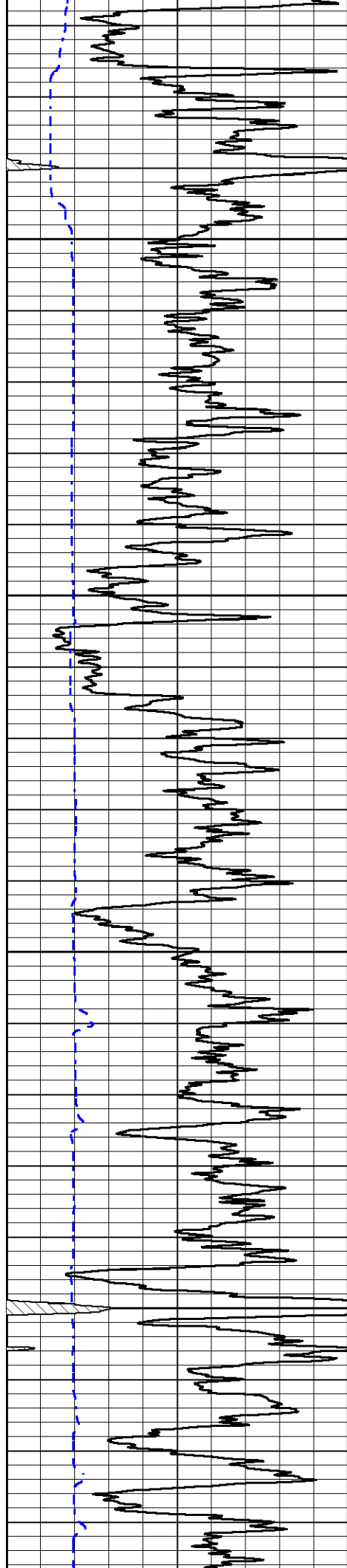
0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)		-10
6	Caliper (in)	16	2	Bulk Density (g/cc)		3
			10000	Line Tension (lb)		0
				-0.25	Correction (g/cc)	0.25



3750

3800



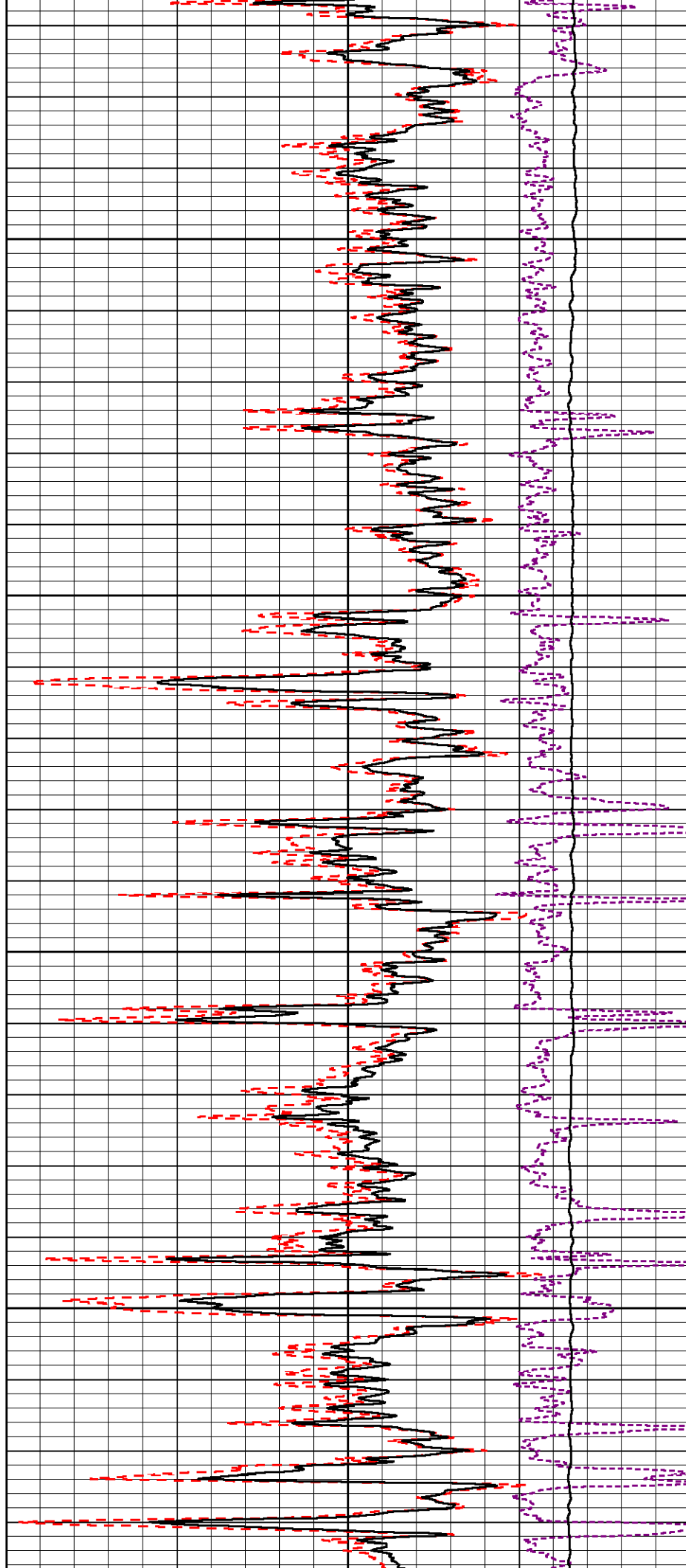


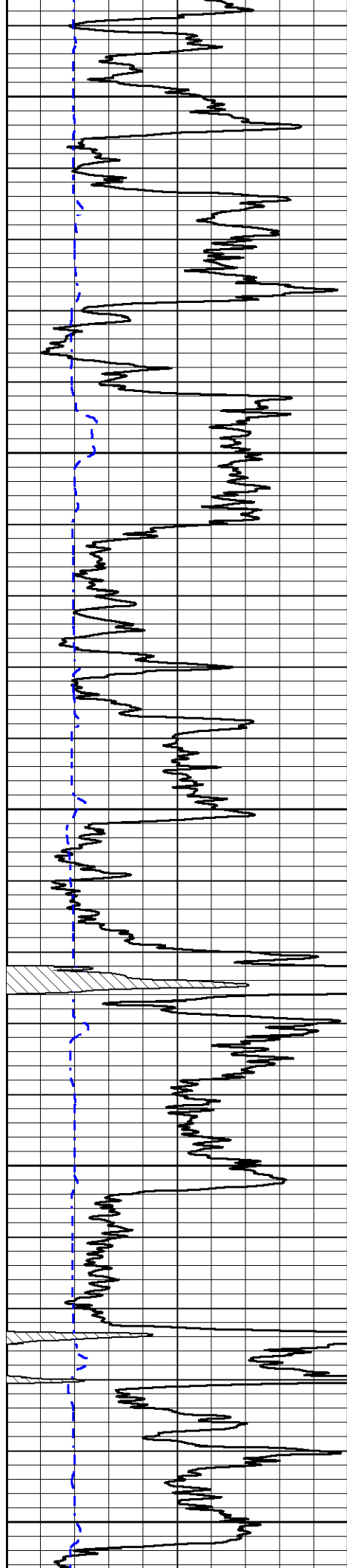
3850

3900

3950

4000





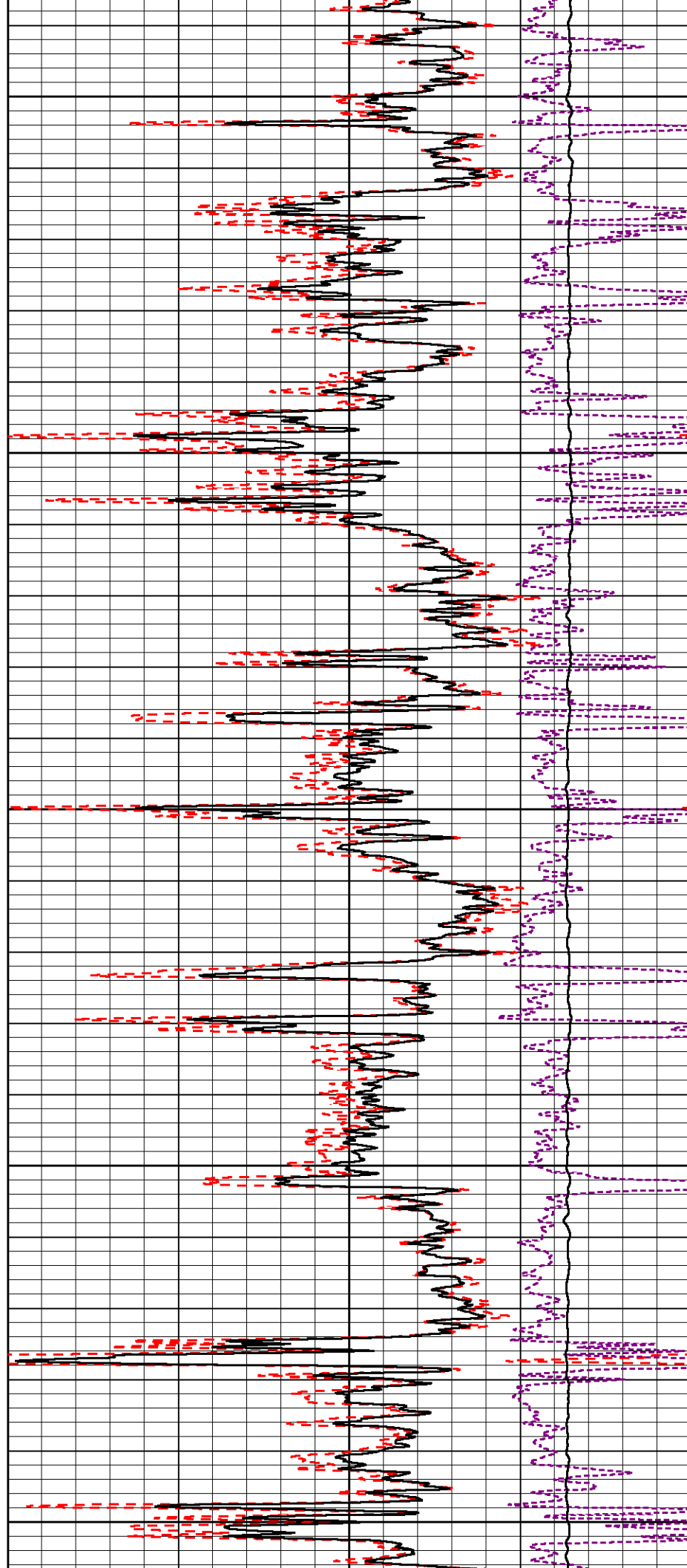
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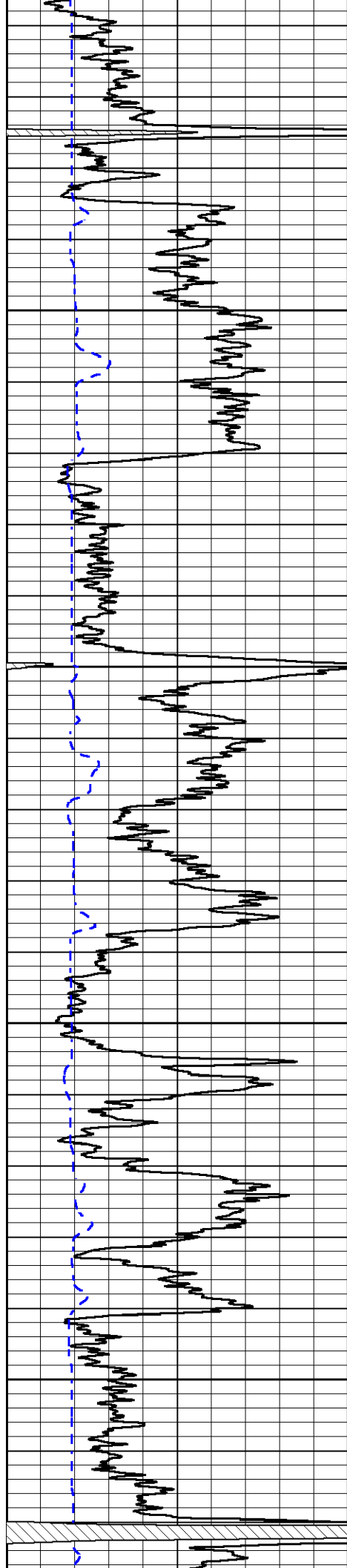
4100

4150

4200

4250



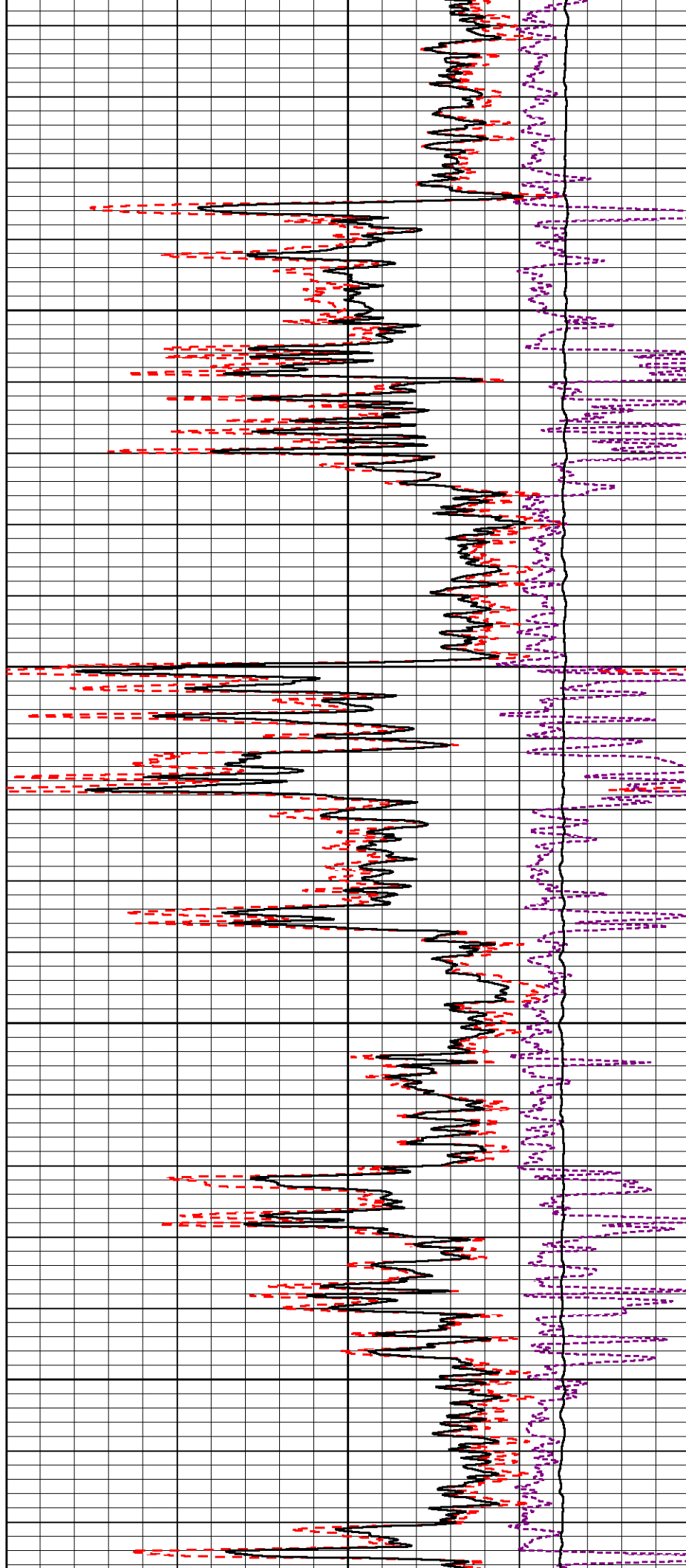


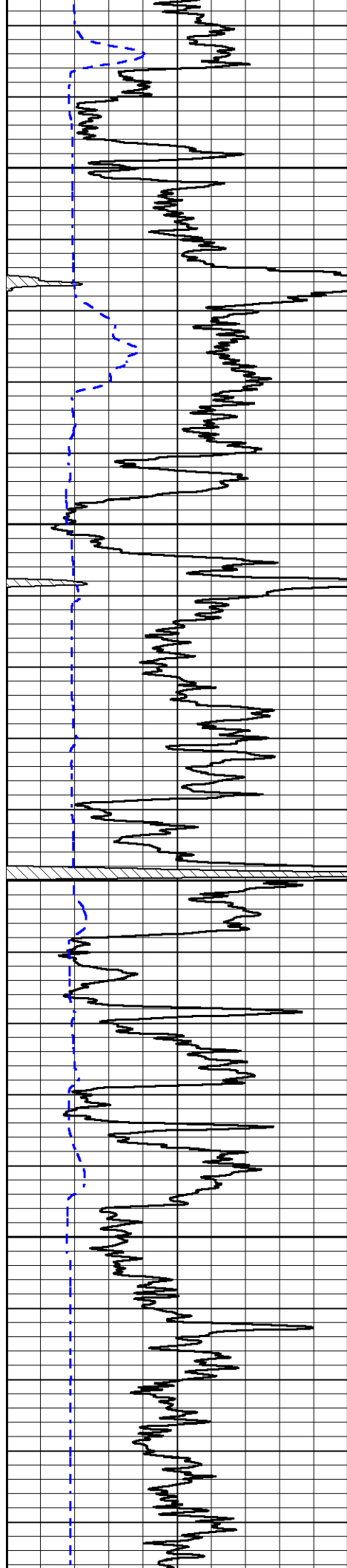
4300

4350

4400

4450



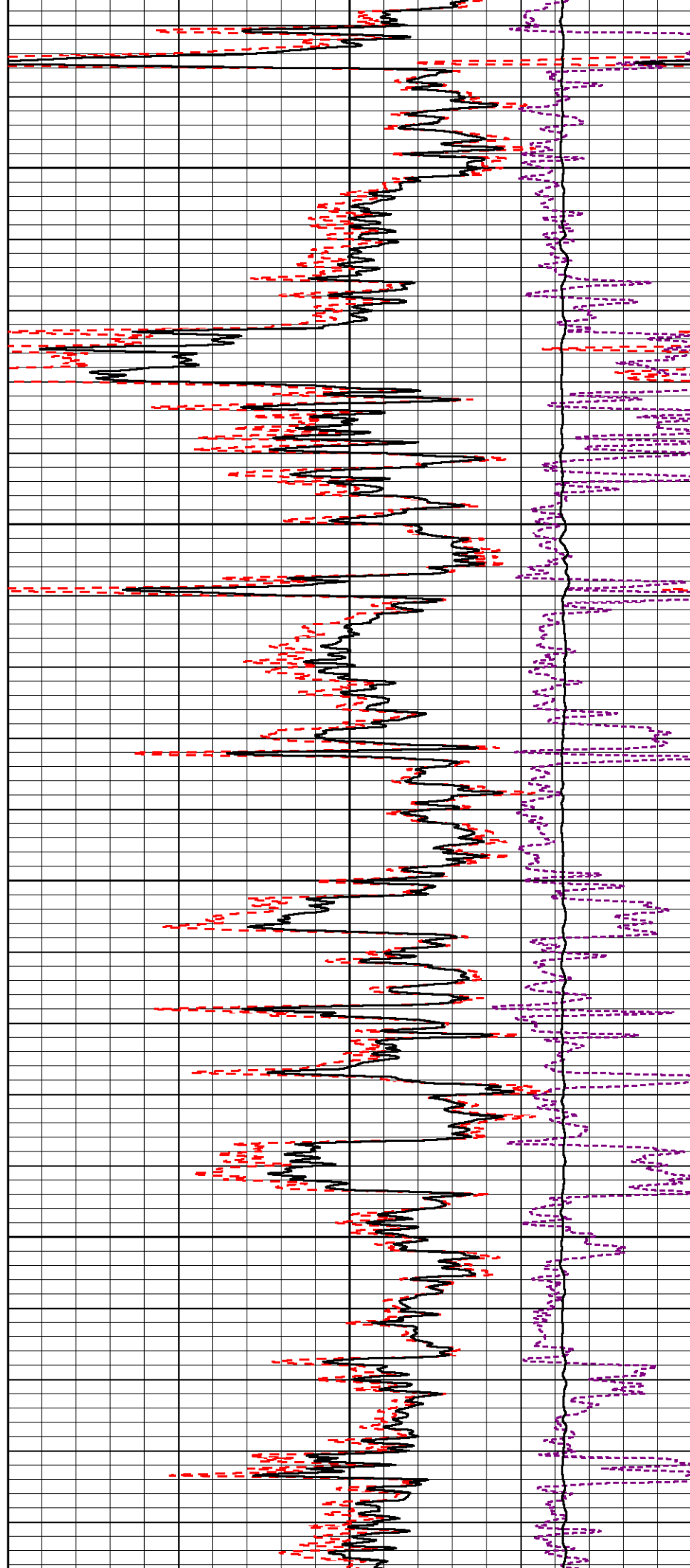


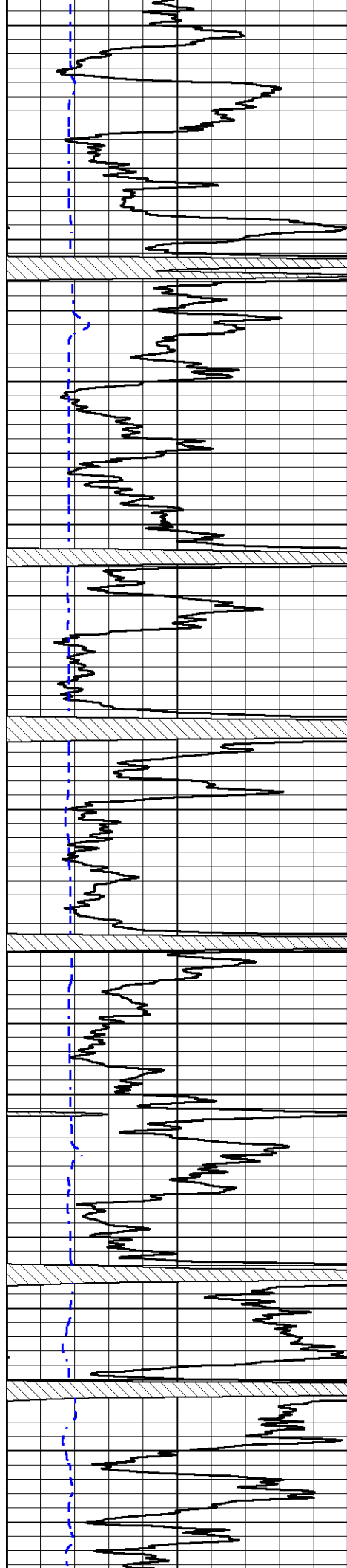
4500

4550

4600

4650





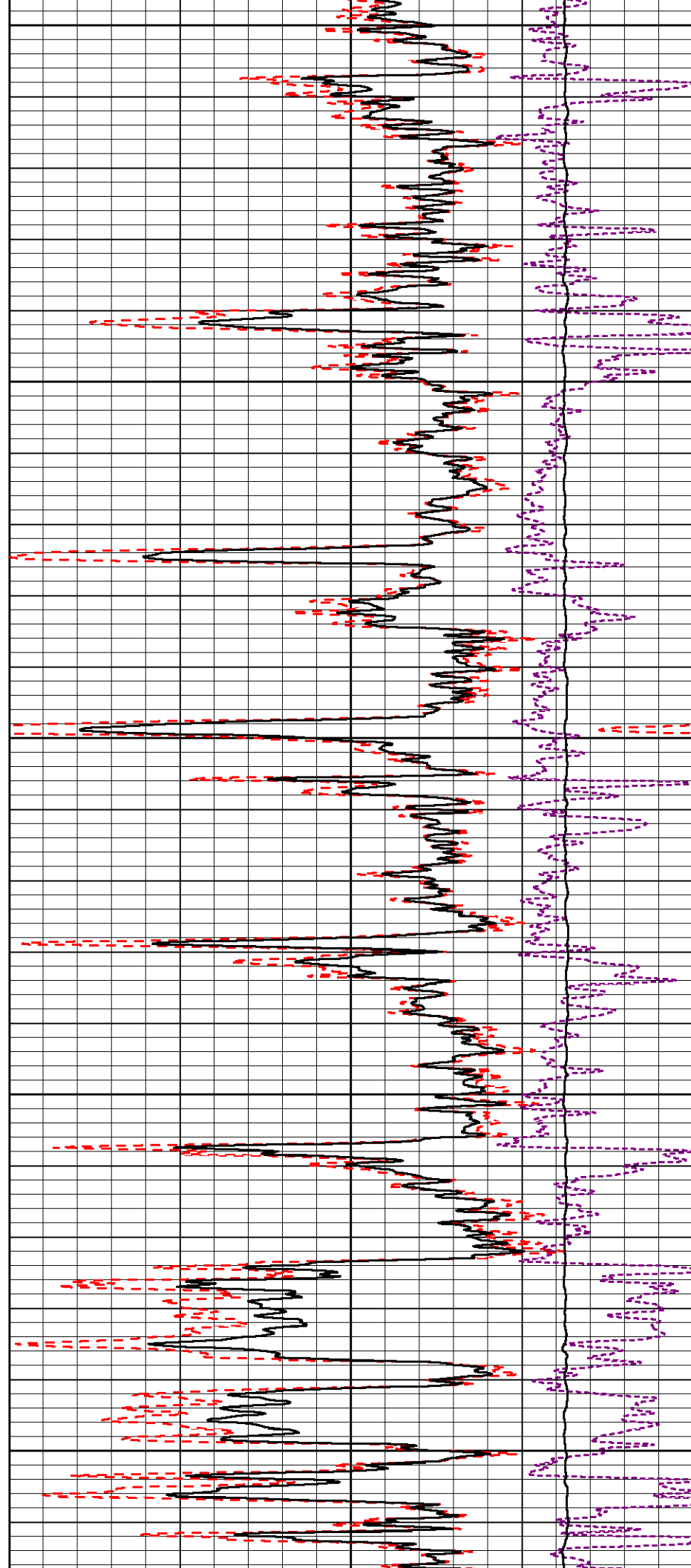
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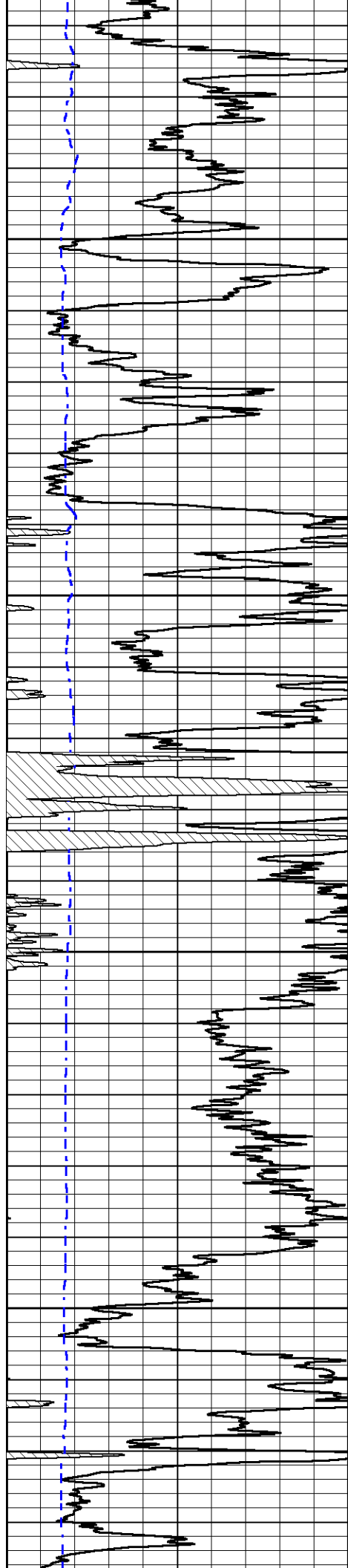
4750

4800

4850

4900



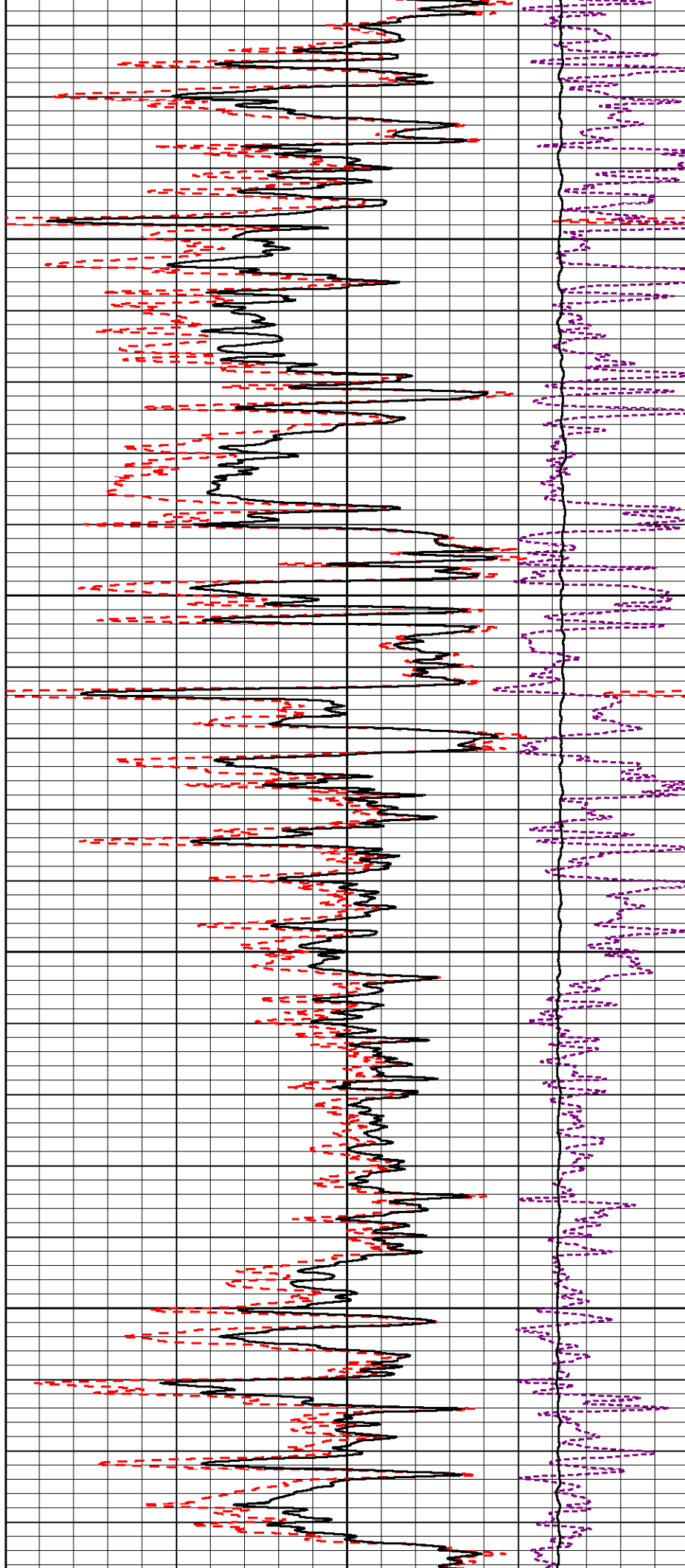


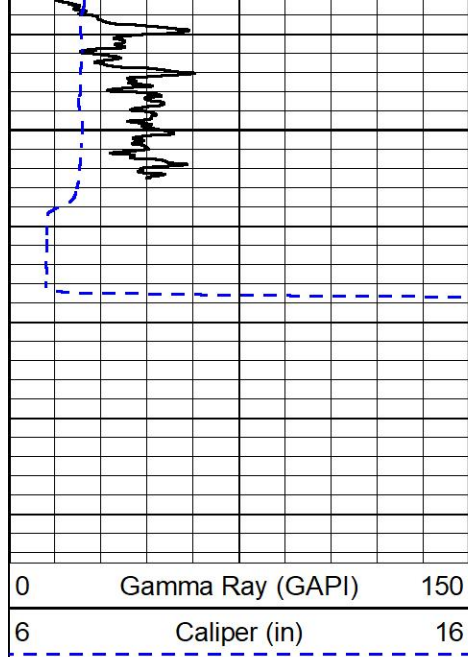
4950

5000

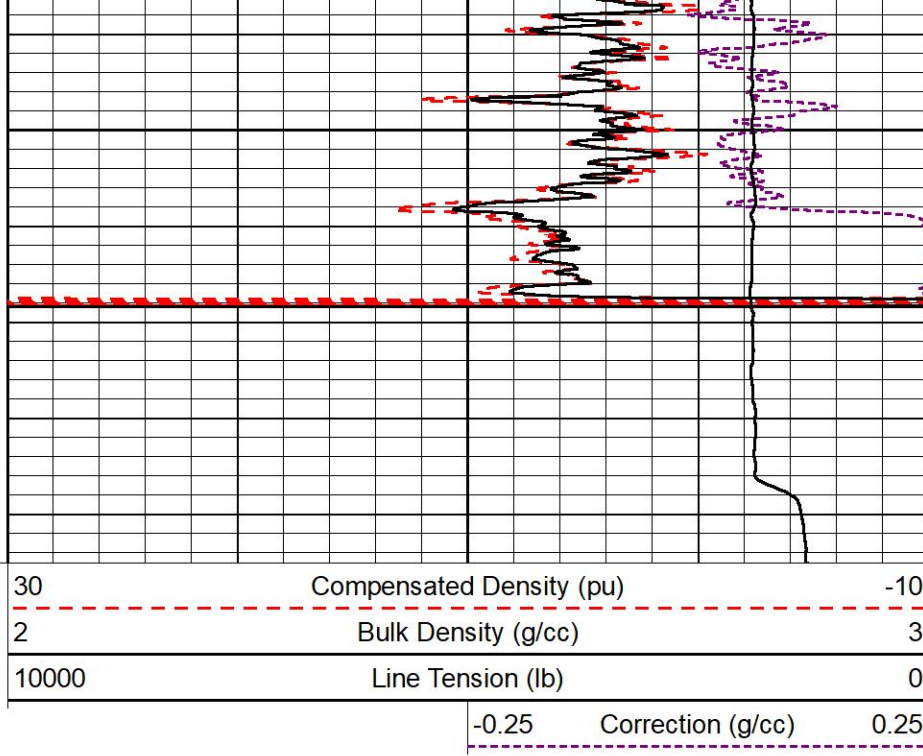
5050

5100





5150

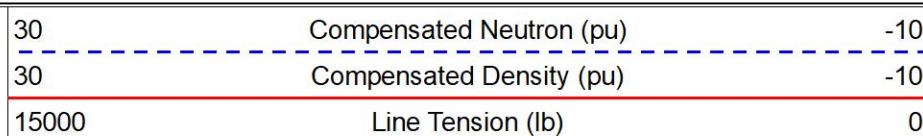
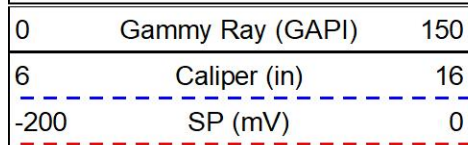


MIDWEST WIRELINE

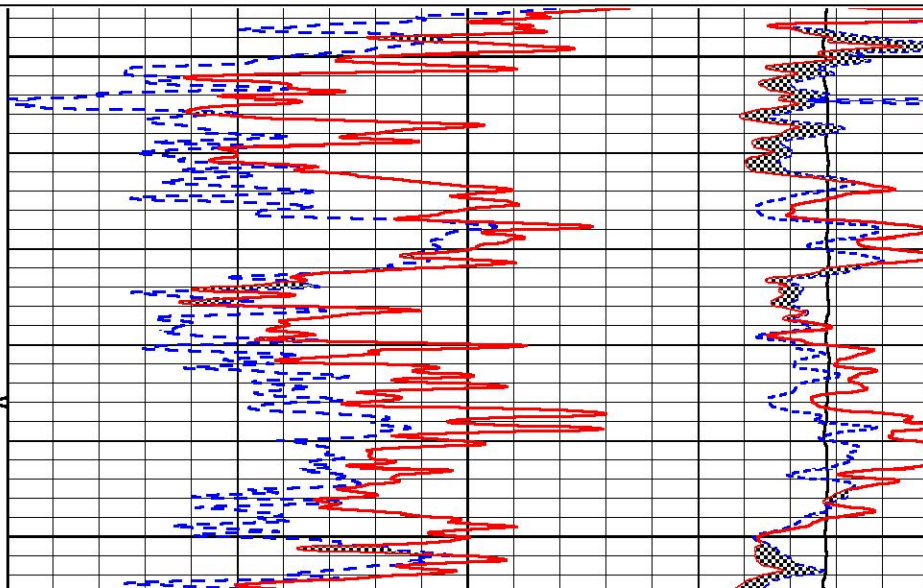
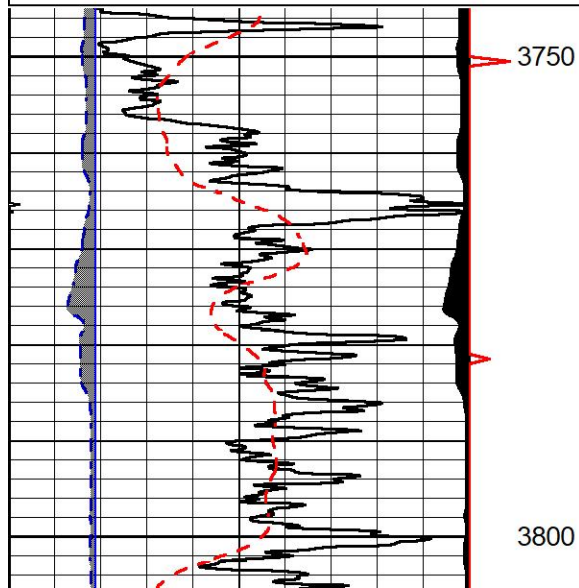
DETAIL SECTION

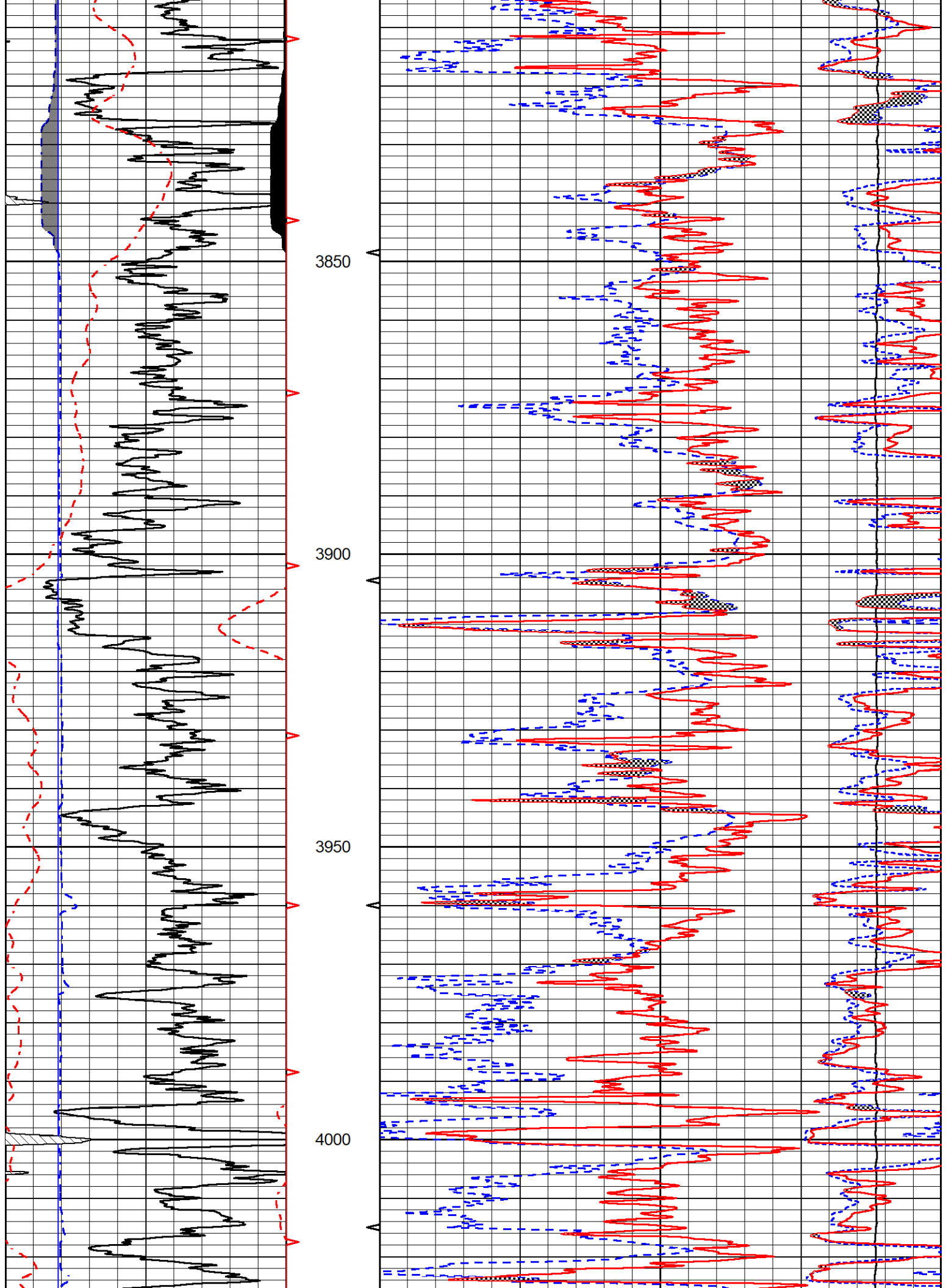
MAIN PASS

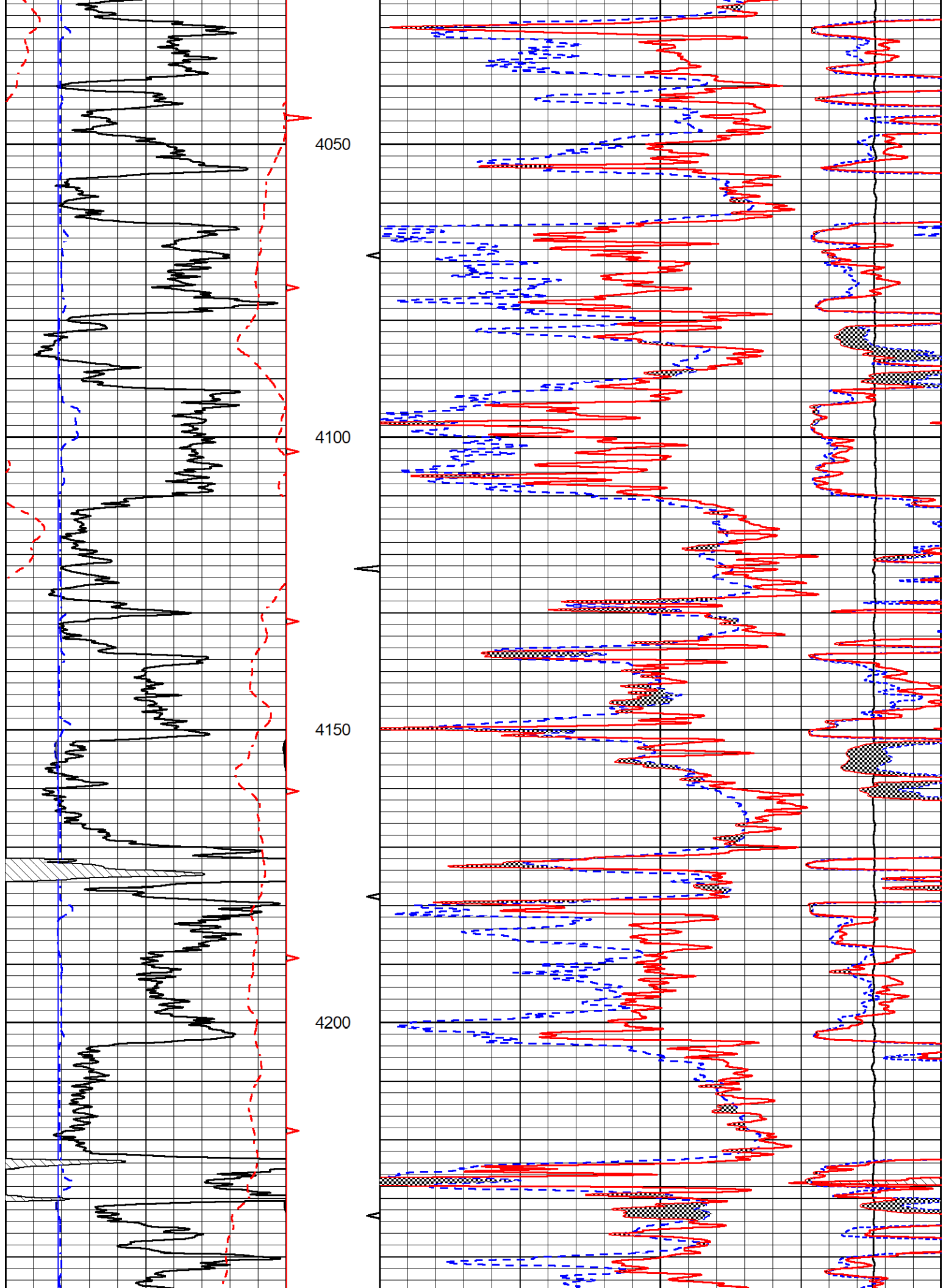
Database File murfin_mj unit 1-10.db
 Dataset Pathname stkml/pass4.1
 Presentation Format _CNDLS~2
 Dataset Creation Thu Sep 29 19:53:04 2022
 Charted by Depth in Feet scaled 1:240

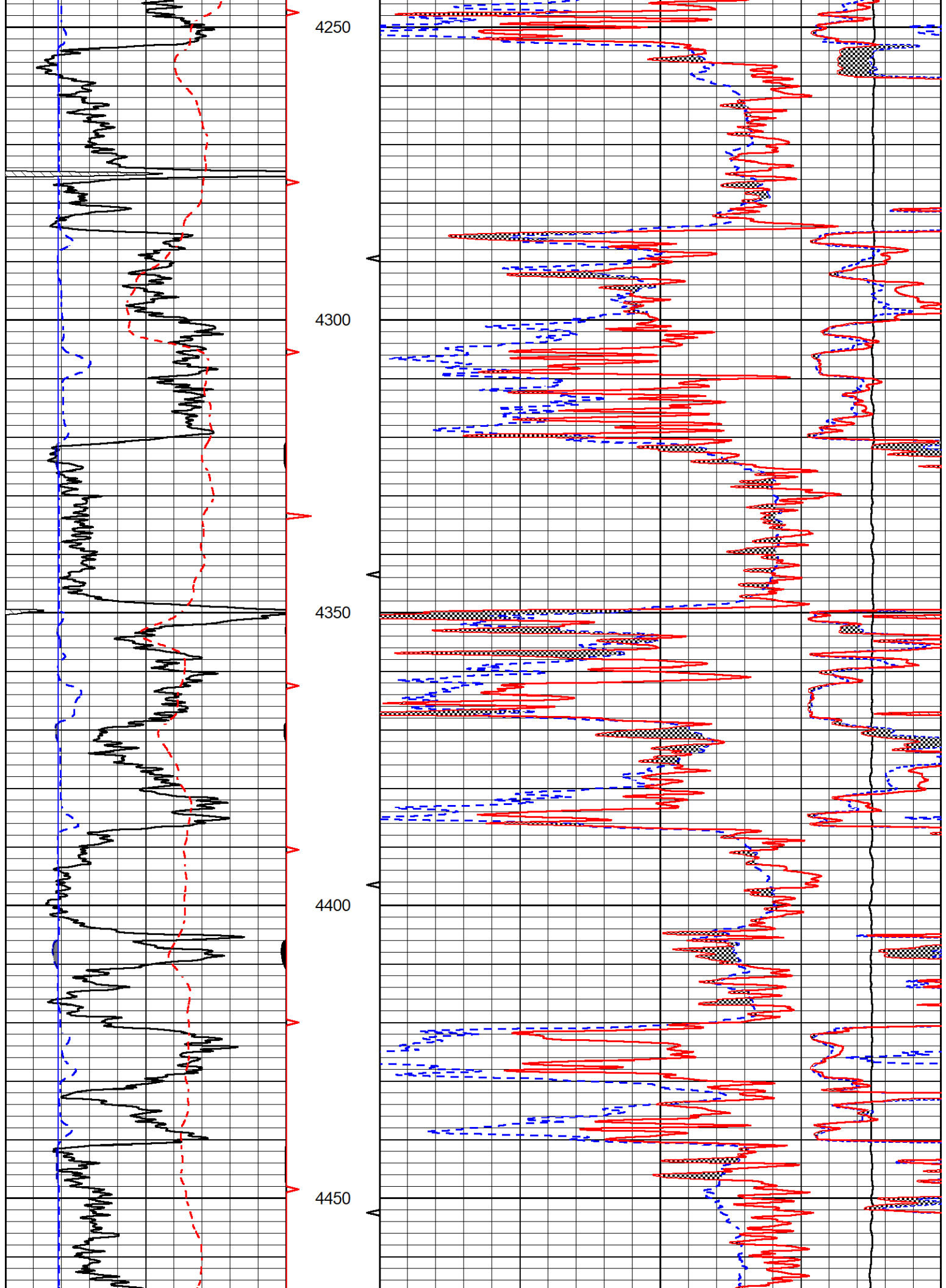


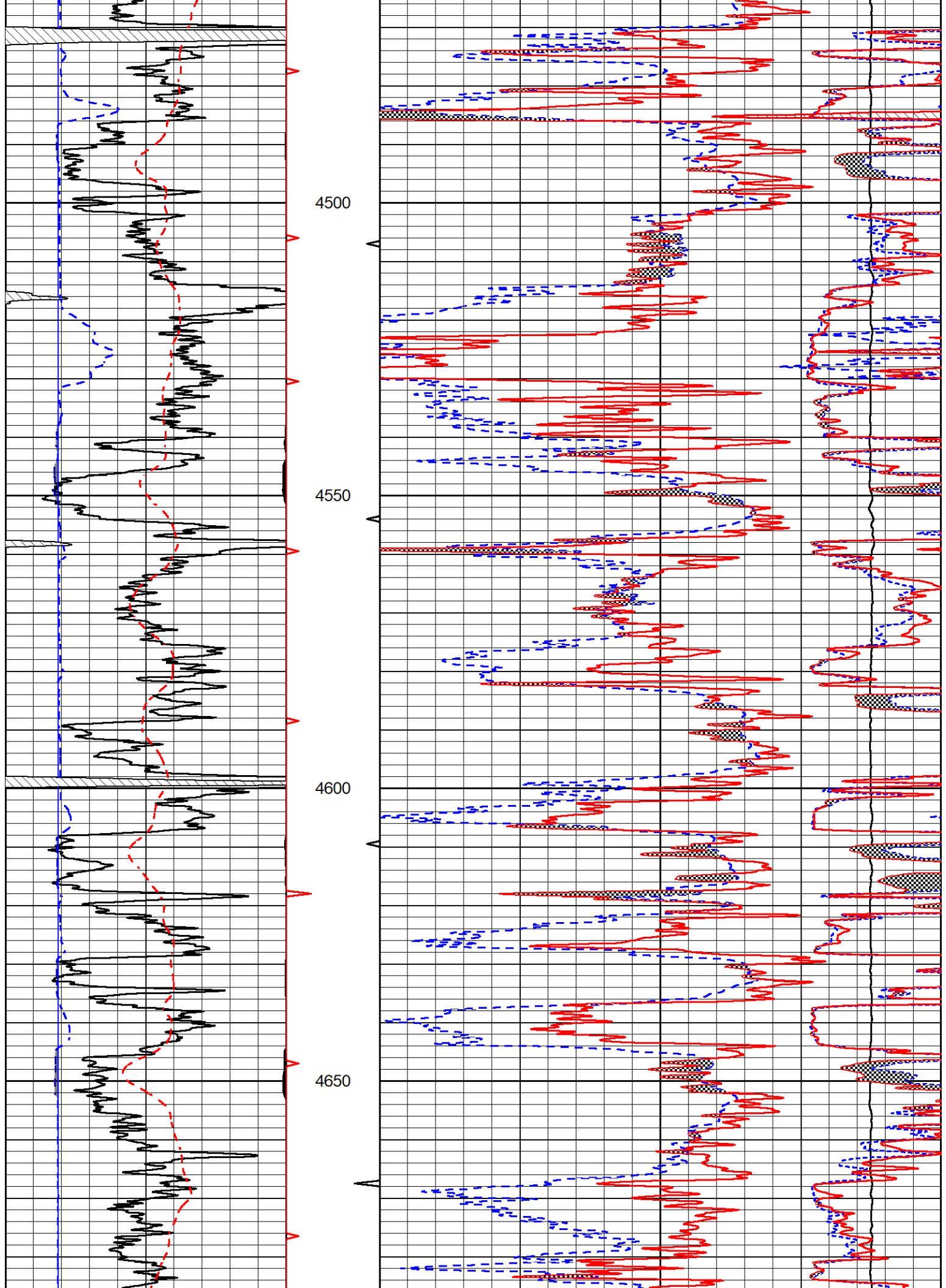
Micro Normal		
0	(Ohm-m)	20
Micro Inverse		
0	(Ohm-m)	20

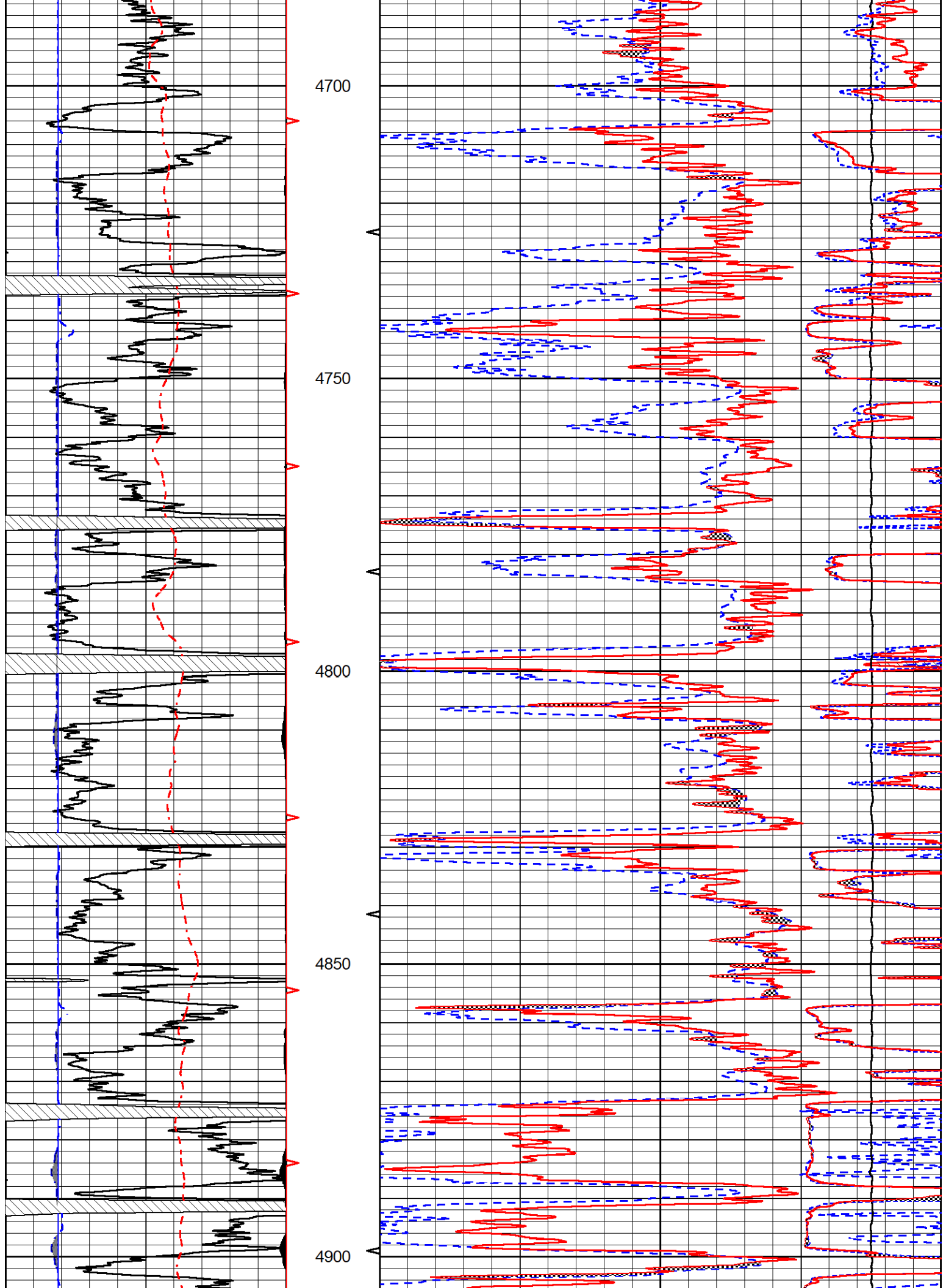


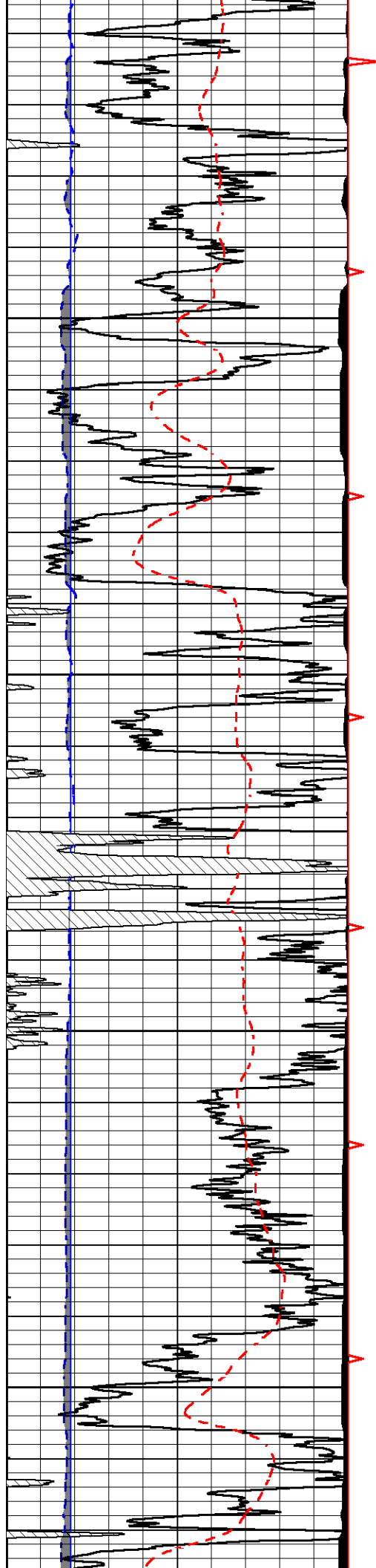










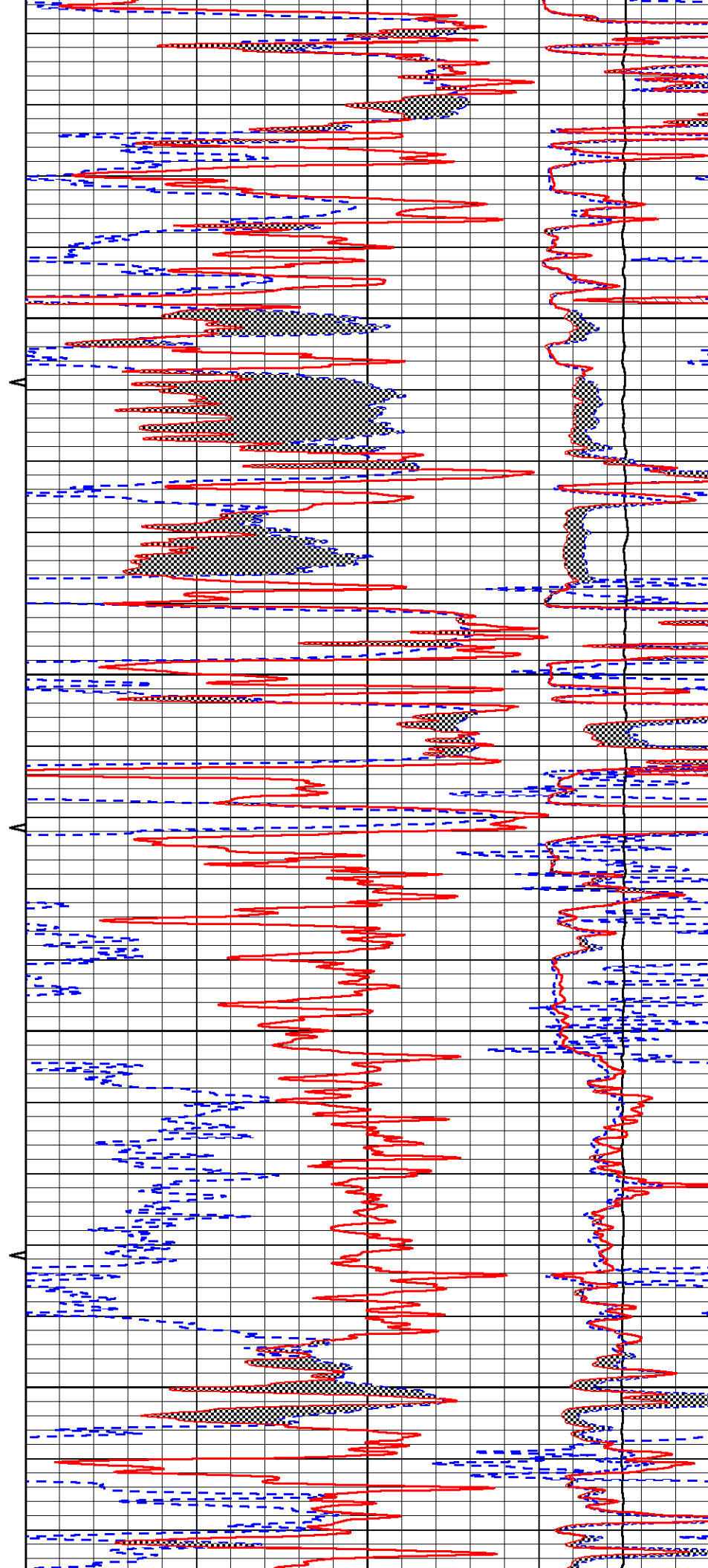


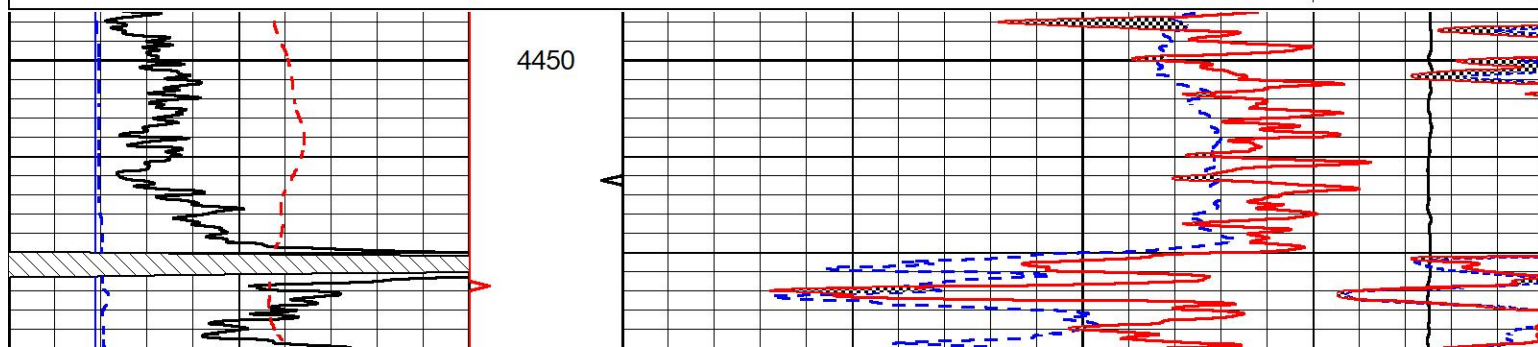
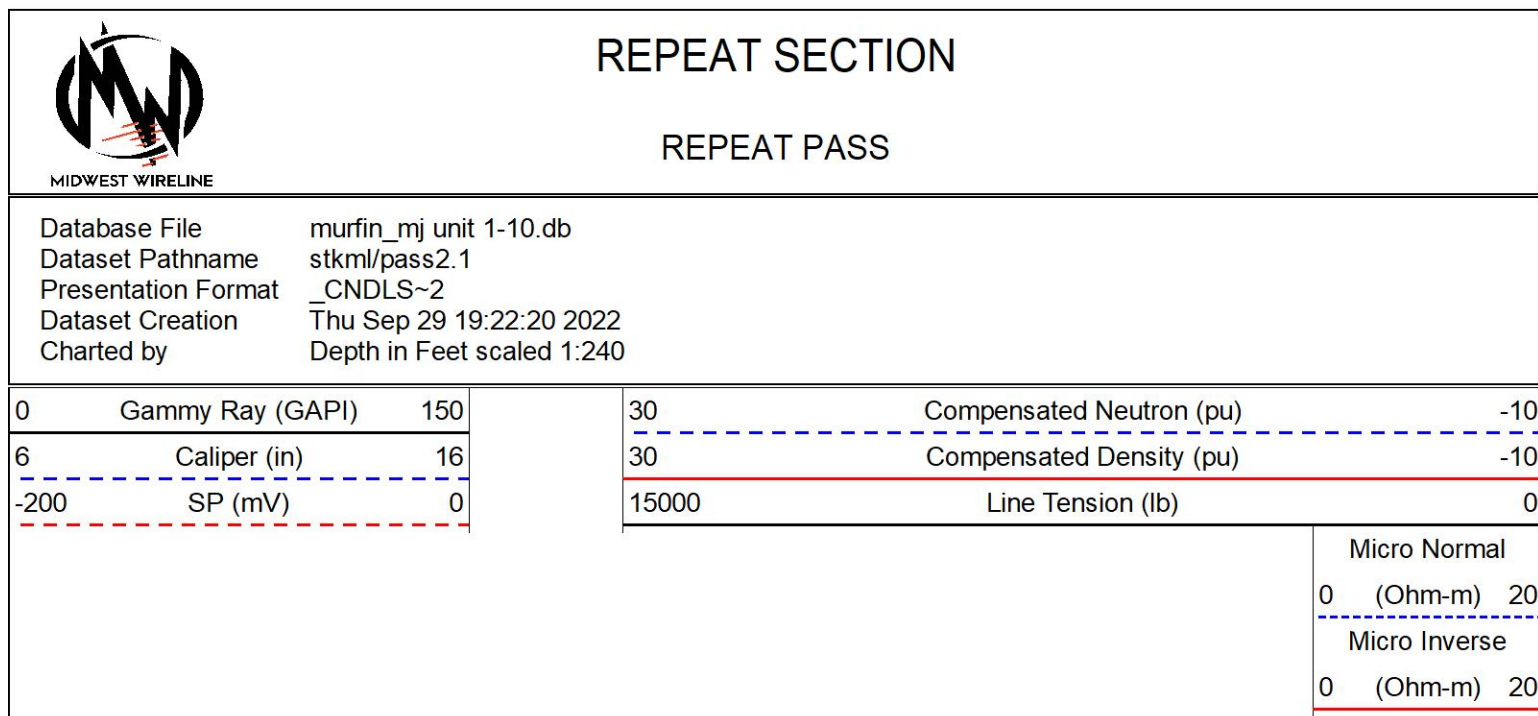
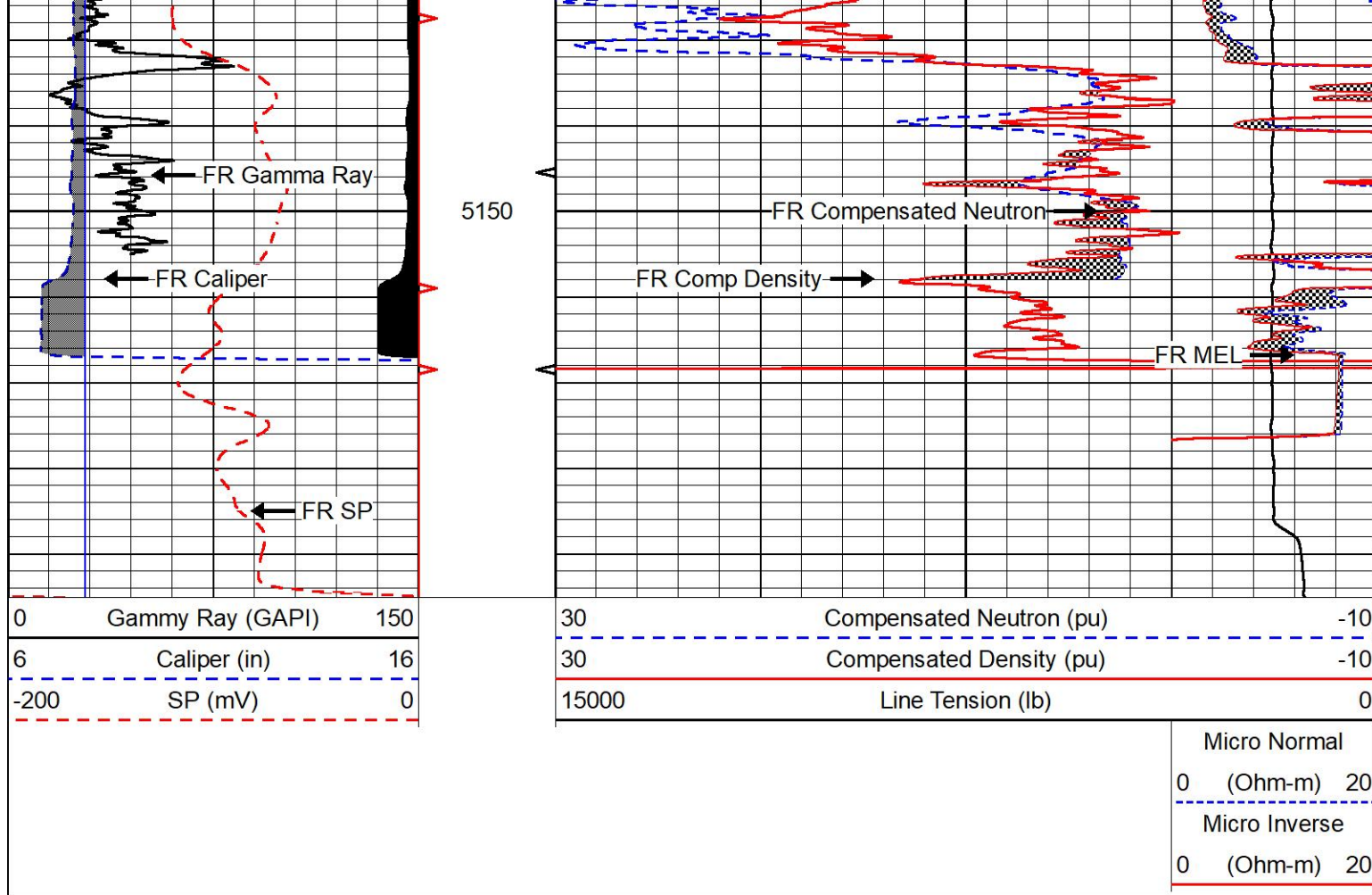
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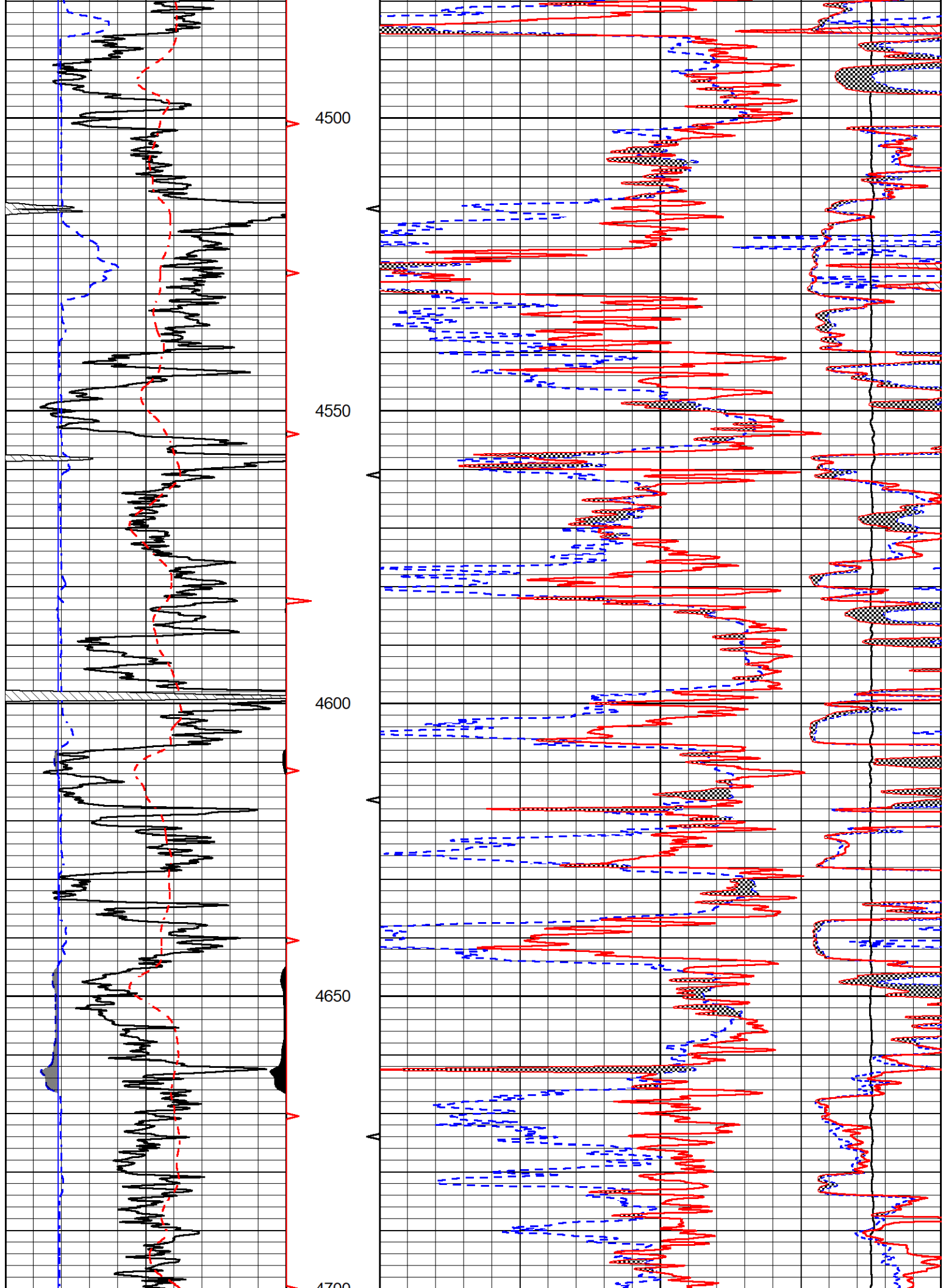
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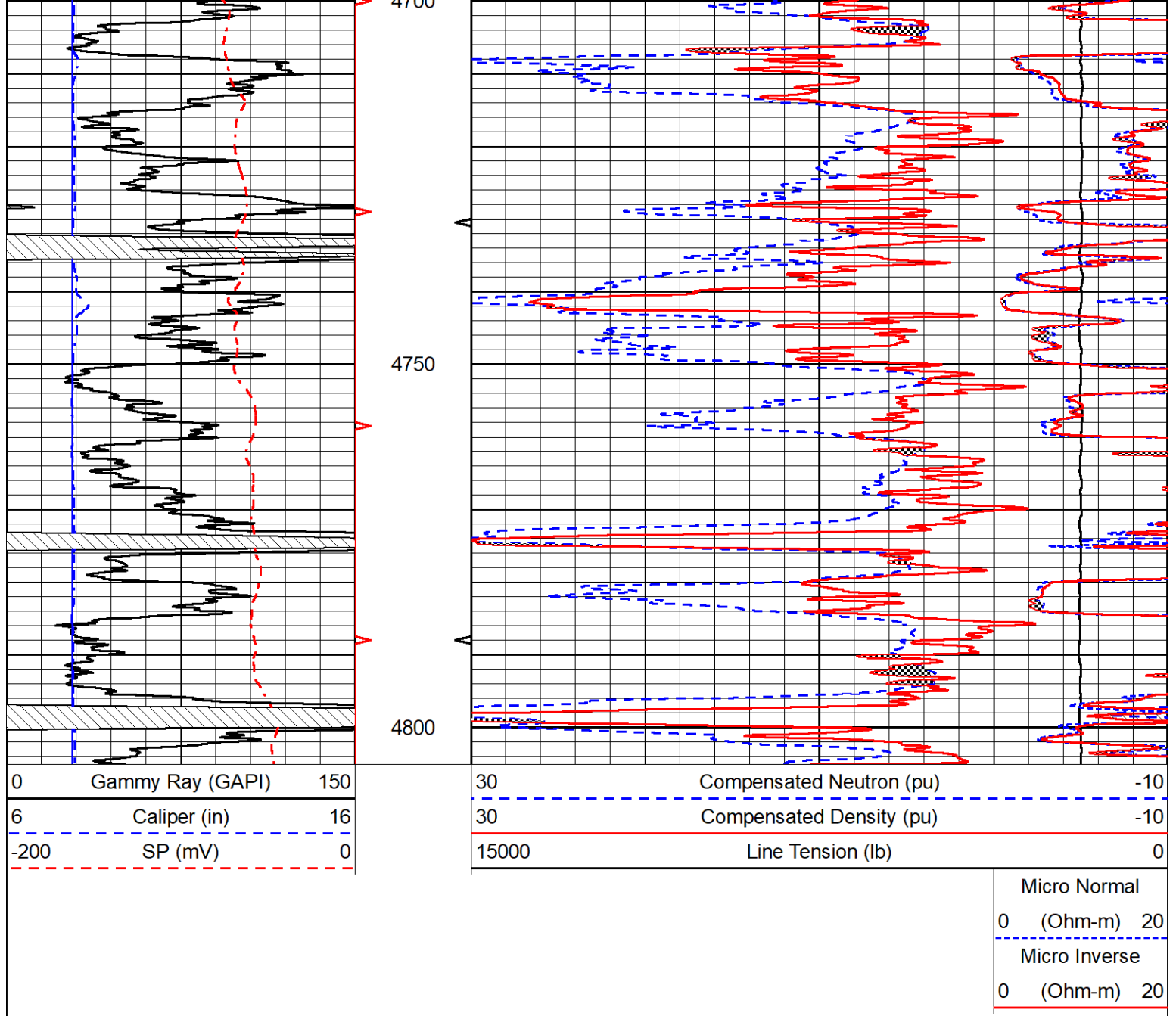
5050

5100









Calibration Report							
Database File	murfin_mj unit 1-10.db						
Dataset Pathname	stkml/pass4.1						
Dataset Creation	Thu Sep 29 19:53:04 2022						
Dual Induction Calibration Report							
Serial-Model:				501 HT-M&W			
Surface Cal Performed:				Thu Sep 22 17:20:27 2022			
Readings			References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.455	-37.000
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.305	-35.000
Microlog Calibration Report							
Serial-Model:				402-PSIML			
Performed:				Thu Sep 22 17:20:33 2022			

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	24500.0000	-1.2500
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	28000.0000	-1.0000
Caliper	1.0052	1.0858	5.0000	16.5000	in	120.0000	-117.2750

Compensated Density Calibration Report

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

Master Calibration

	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		

Compensated Neutron Calibration Report

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

CALIBRATION

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	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	
3)	Short Space	cps		
	Long Space	cps	pu	

POST-SURVEY VERIFICATION

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

Long Space

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	Murfin Drilling Company, Inc.
Well	MJ Unit #1-10
Field	
County	Cheyenne
State	Kansas