

MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Carmen Schmitt, Inc.

Well Molly #1-22

Field

County Ford

State Kansas

Location: API #: 15-057-21076-00-00

Other Services

1750 FSL & 450 FWL

DIL/MEL

SEC 22 TWP 28S RGE 26W

Permanent Datum

Ground Level

Elevation 2681

Log Measured From

Kelly Bushing

Elevation 2689

Drilling Measured From

Kelly Bushing

Elevation 2681

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Dodge City,
South on Hwy 283 to Saddle Rd,
6 West, 4 South to Warrior Rd, 2 West, 1/4 North,
East 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: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Brad Rine
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\carmen schmitt_molly 1-22.db
Dataset field/well/stkml/pass3.11/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	131	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	1010	50		5455

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

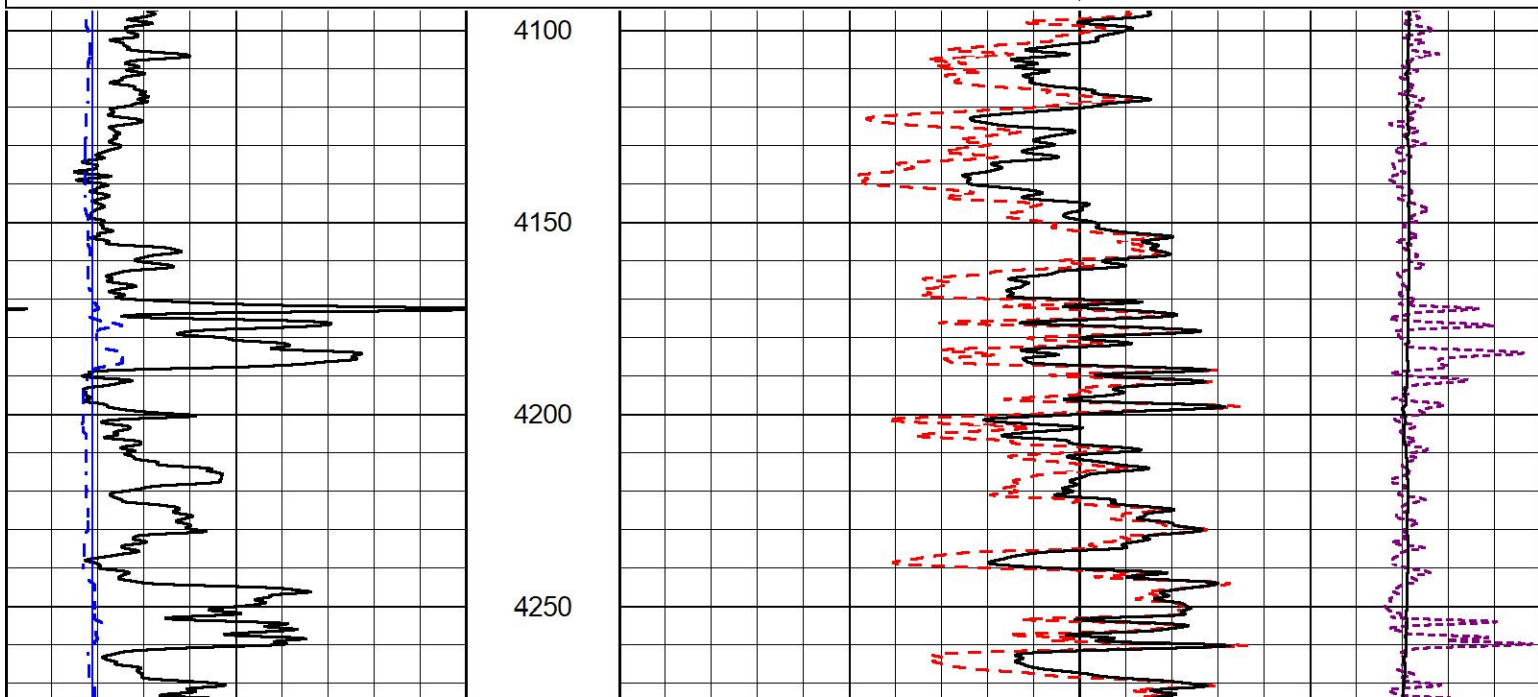


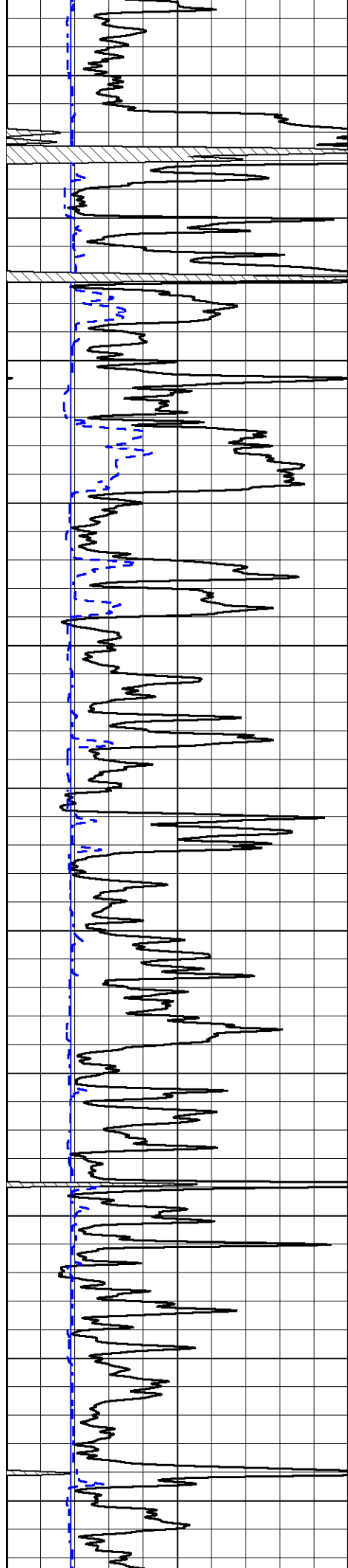
2" SCALE BULK DENSITY

MAIN PASS

Database File carmen schmitt_molly 1-22.db
Dataset Pathname stkml/pass3.2
Presentation Format _cdl
Dataset Creation Mon Oct 10 07:15:09 2022
Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)		-10
6	Caliper (in)	16	2	Bulk Density (g/cc)		3
			15000	Line Tension (lb)		0
				-0.25	Correction (g/cc)	0.25





4300

4350

4400

4450

4500

4550

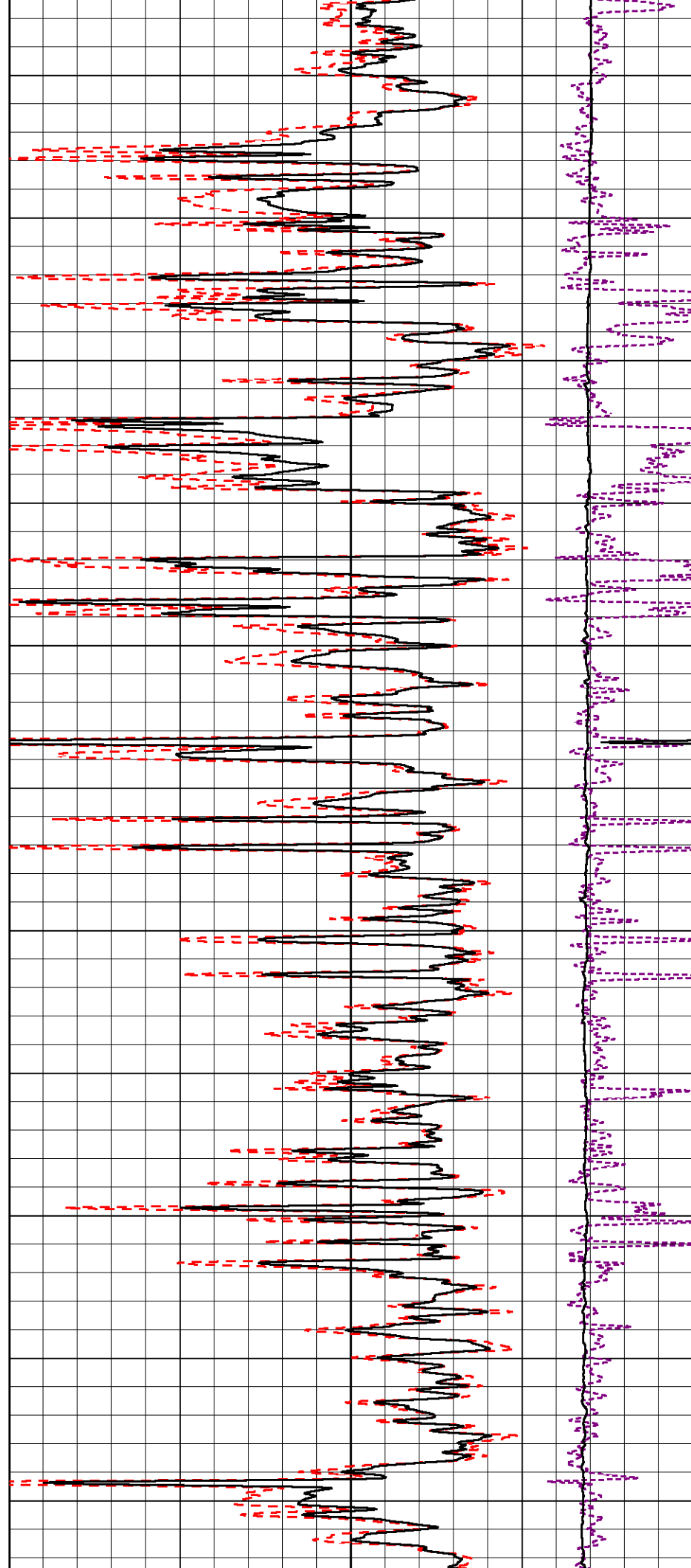
4600

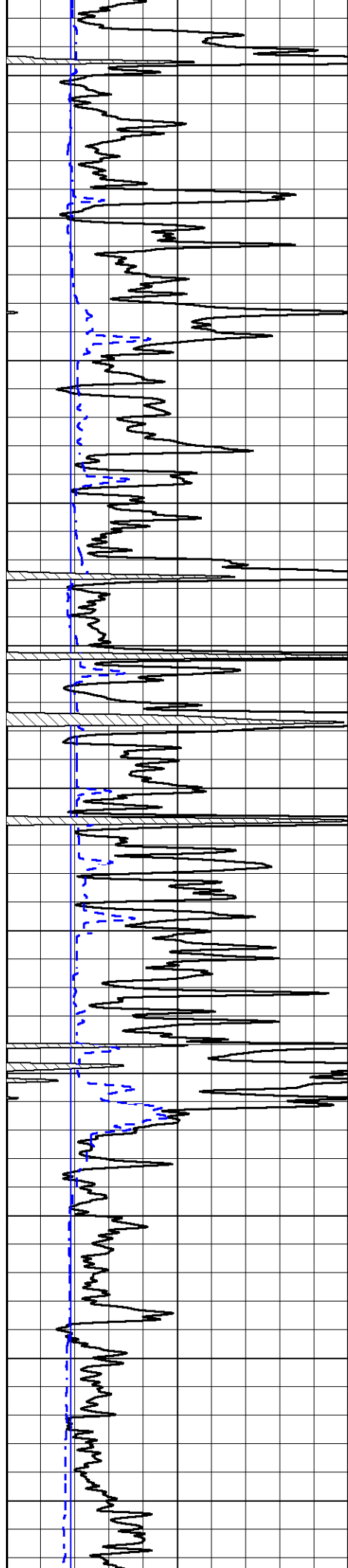
4650

4700

4750

4800





4850

4900

4950

5000

5050

5100

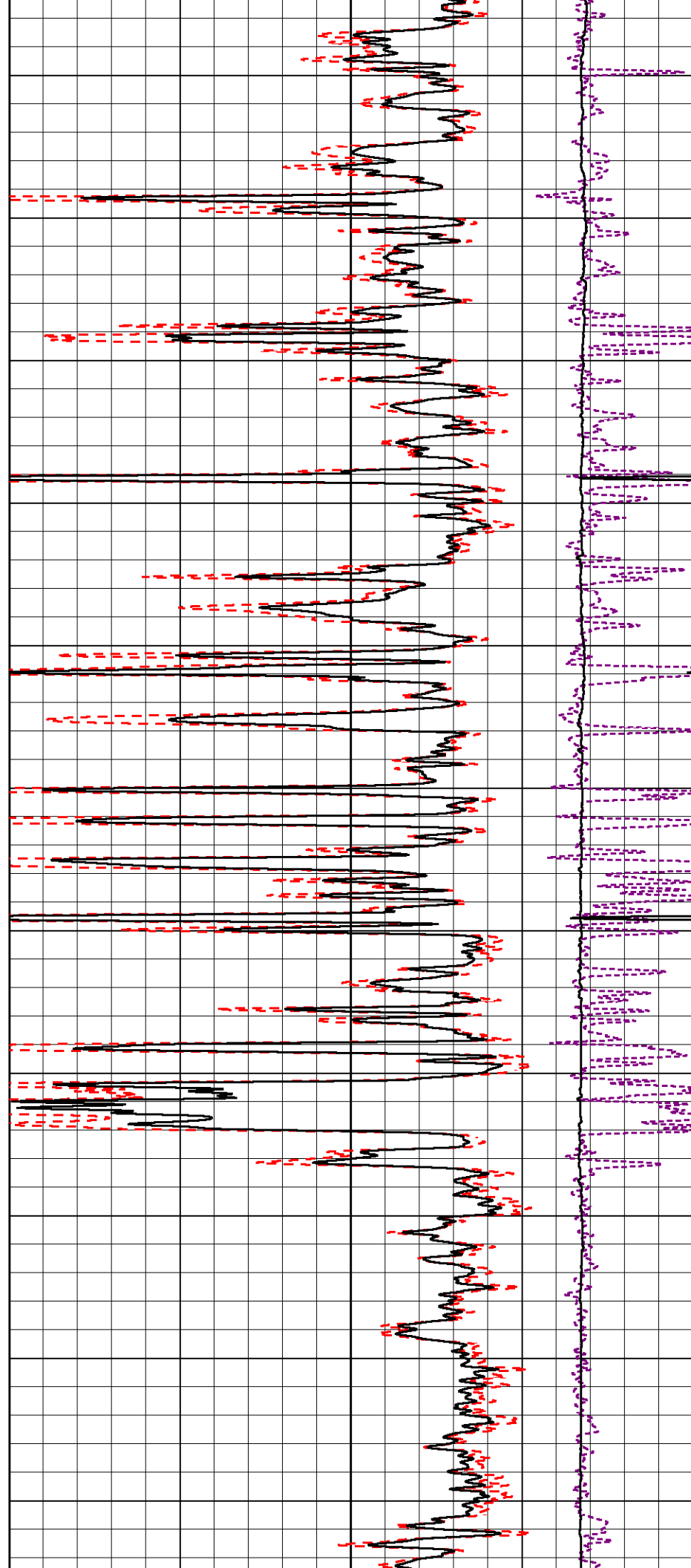
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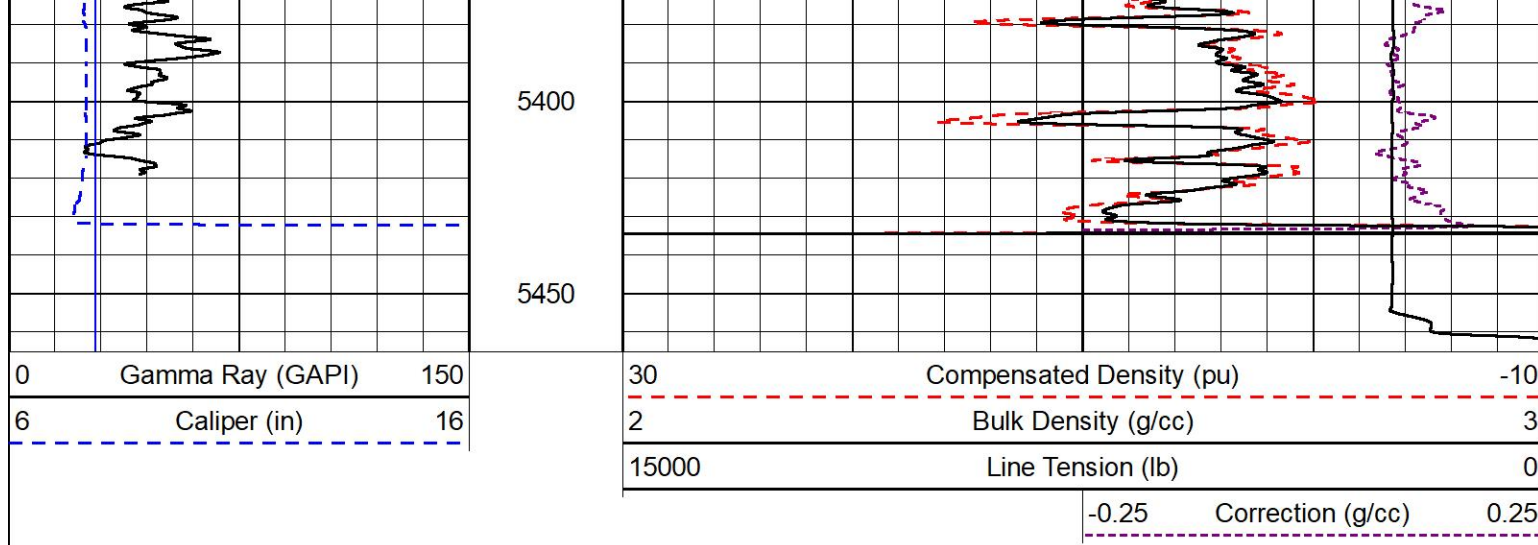
5200

5250

5300

5350



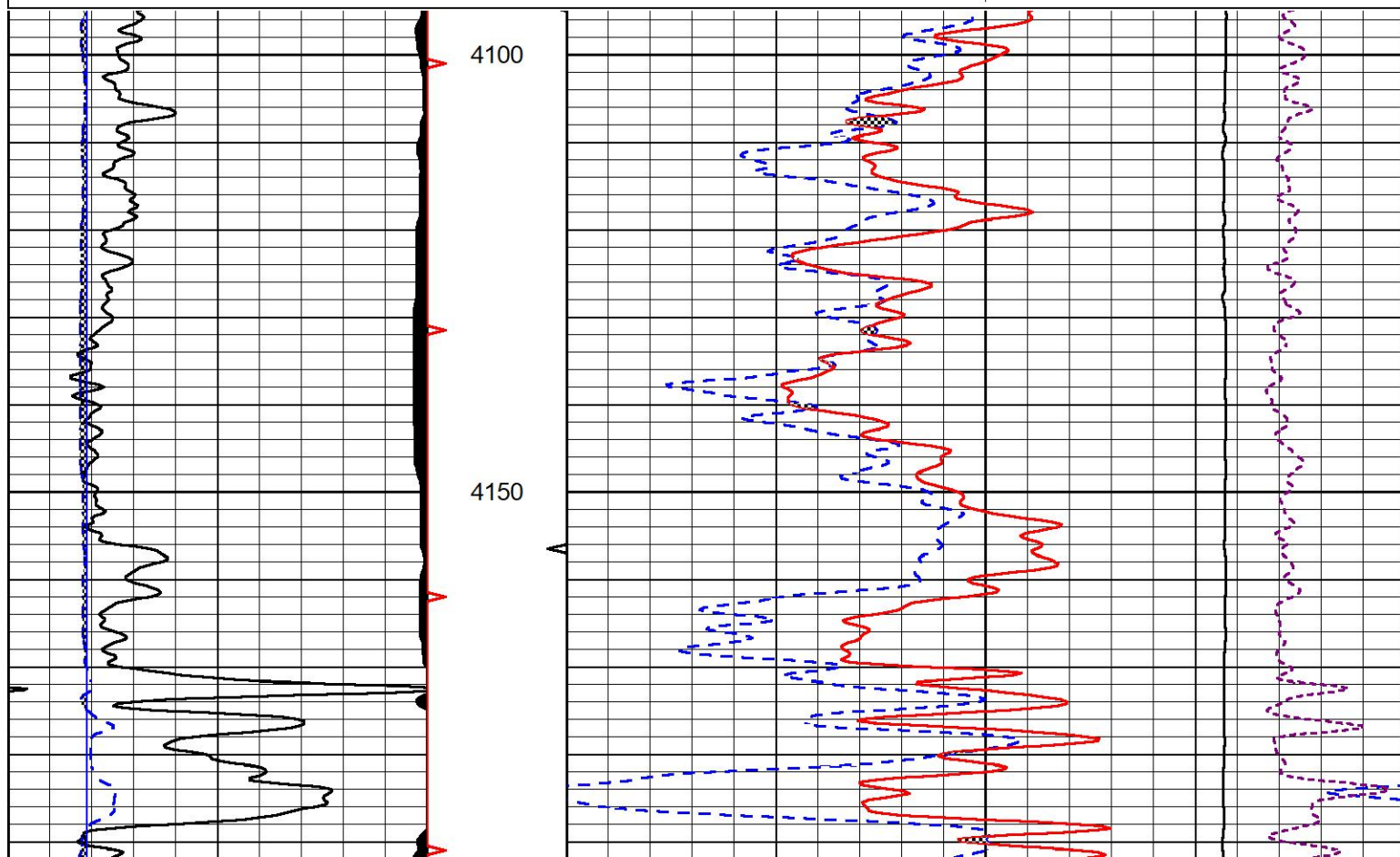
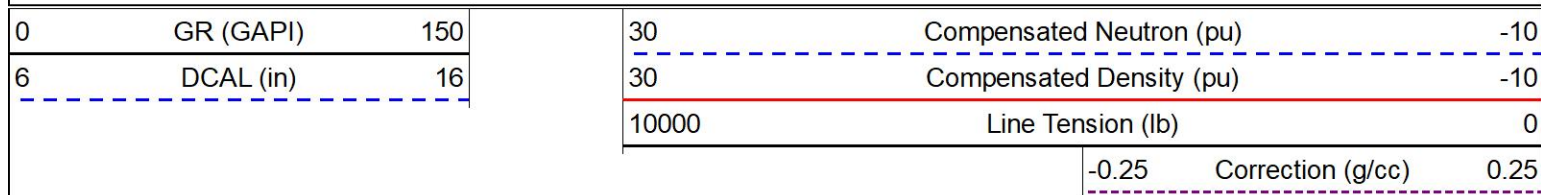


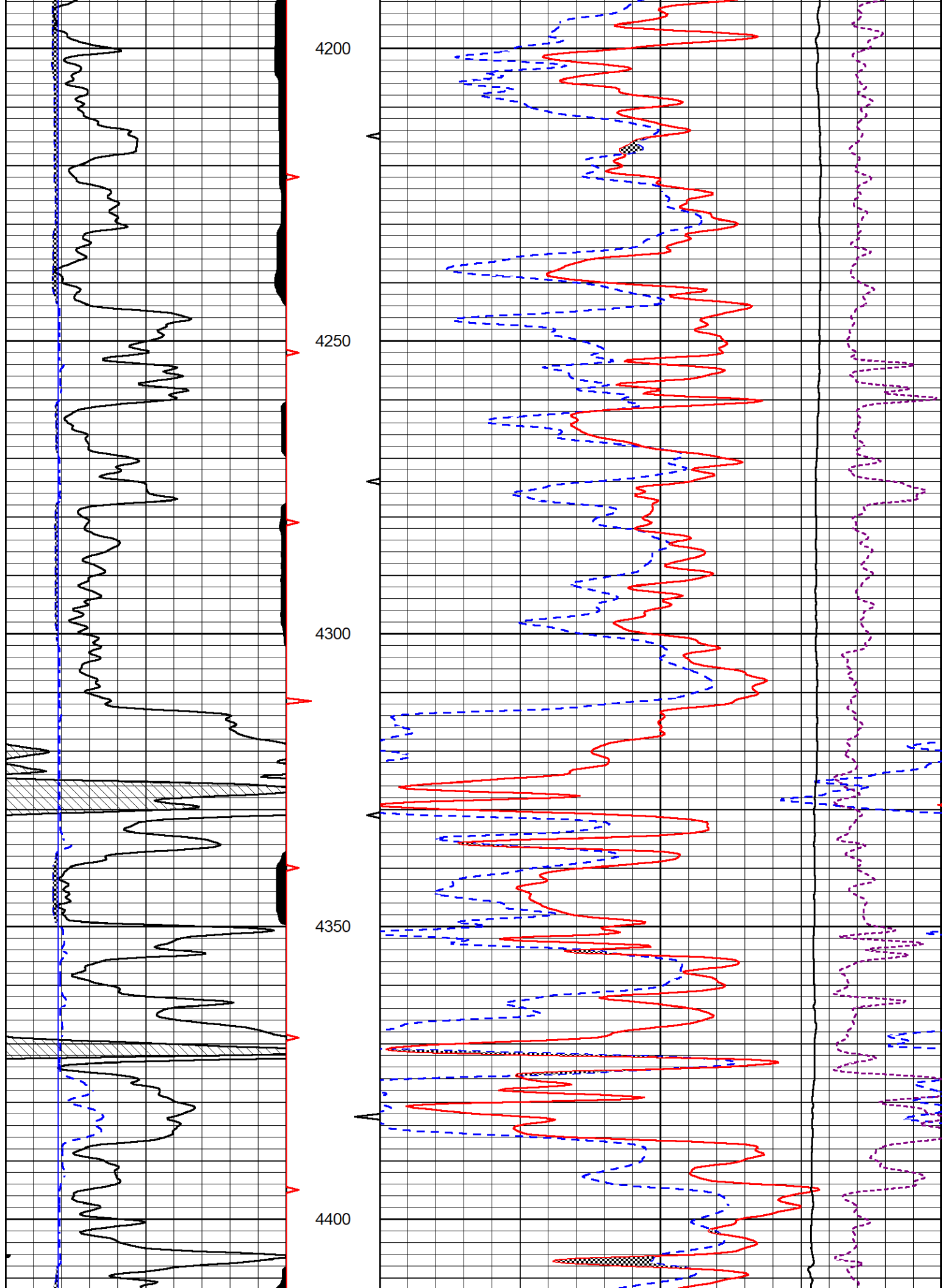
MIDWEST WIRELINE

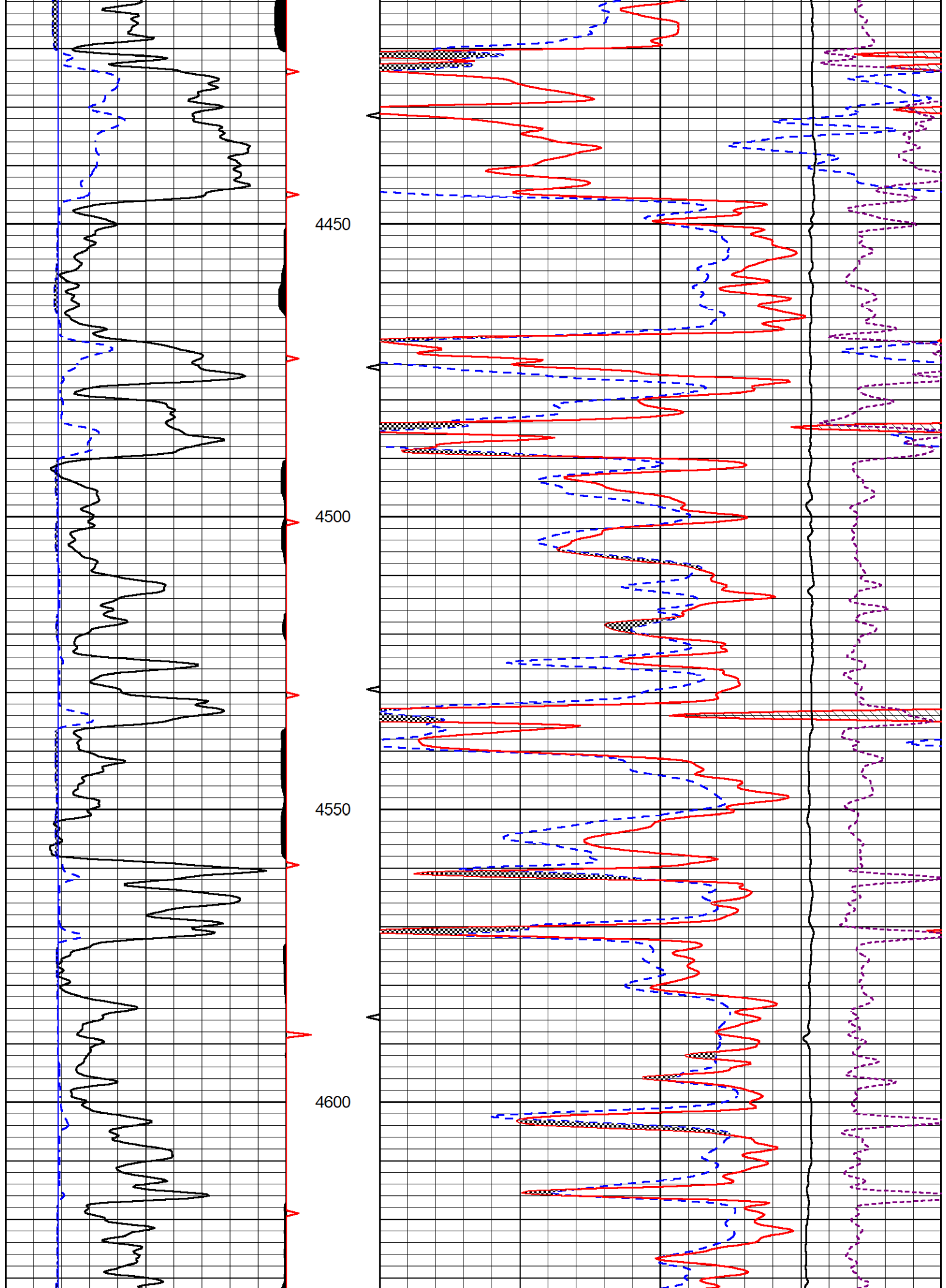
DETAIL SECTION

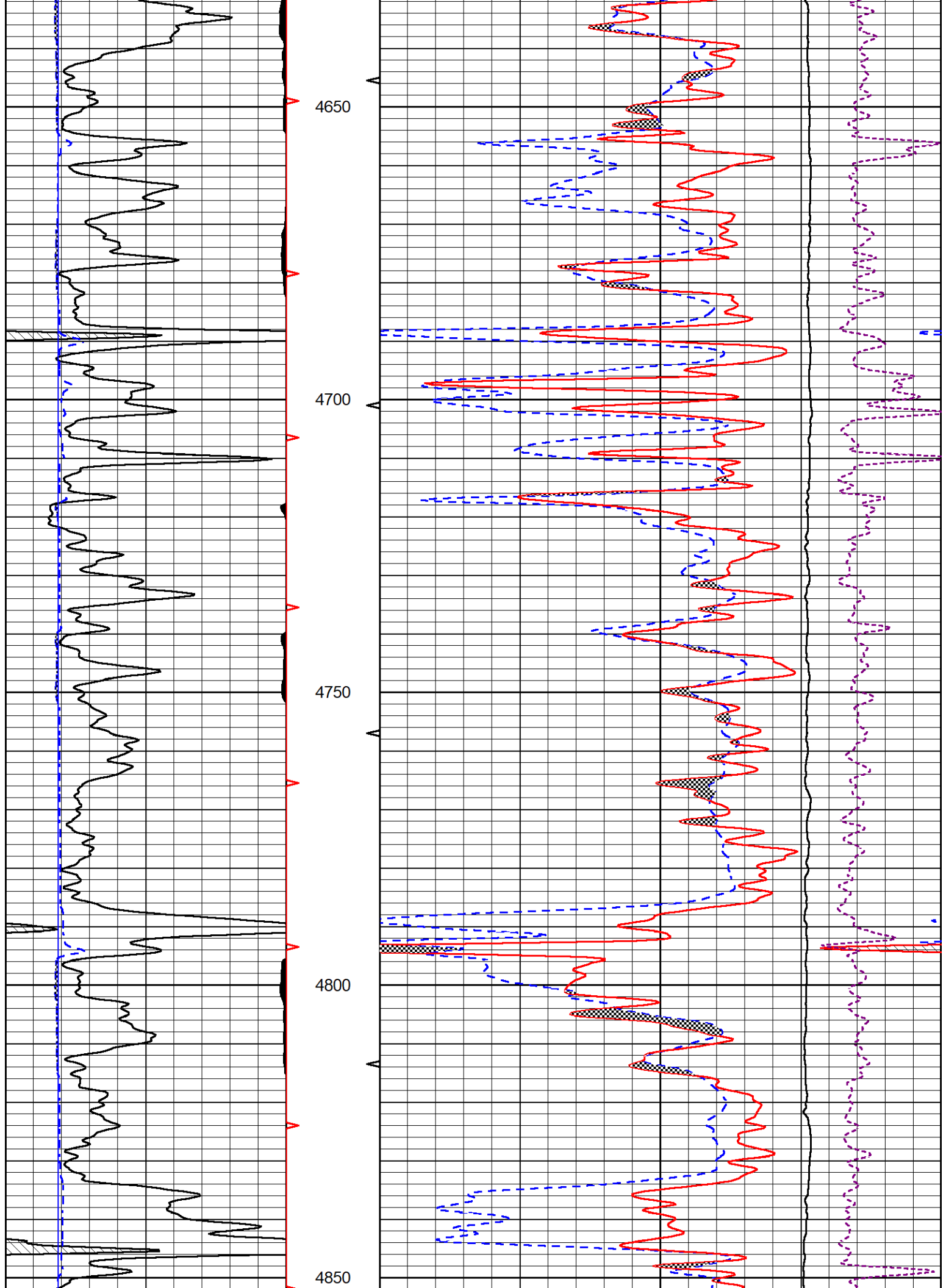
MAIN PASS

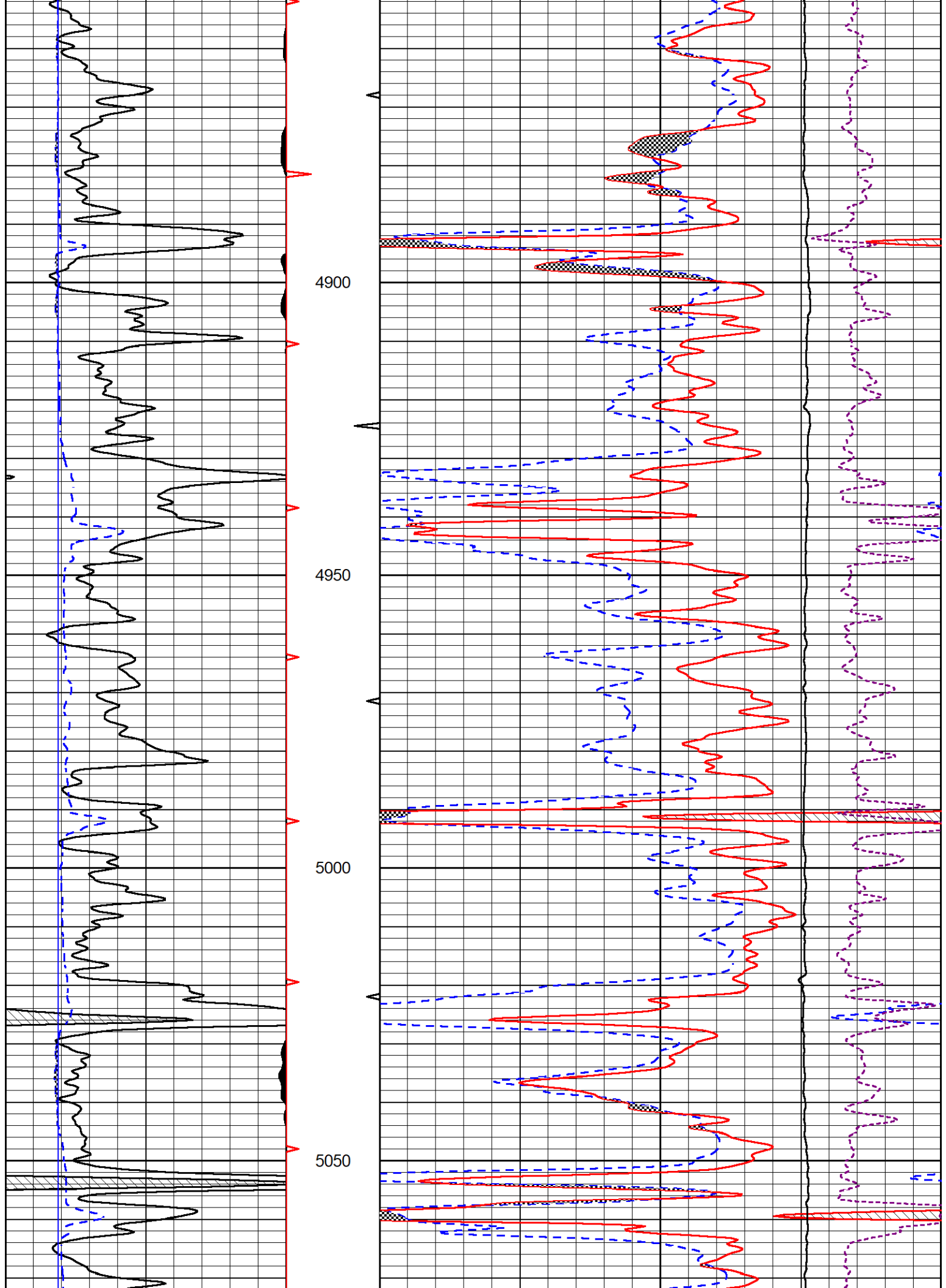
Database File carmen schmitt_molly 1-22.db
 Dataset Pathname stkml/pass3.5
 Presentation Format _CNDLS~1
 Dataset Creation Mon Oct 10 07:15:20 2022
 Charted by Depth in Feet scaled 1:240

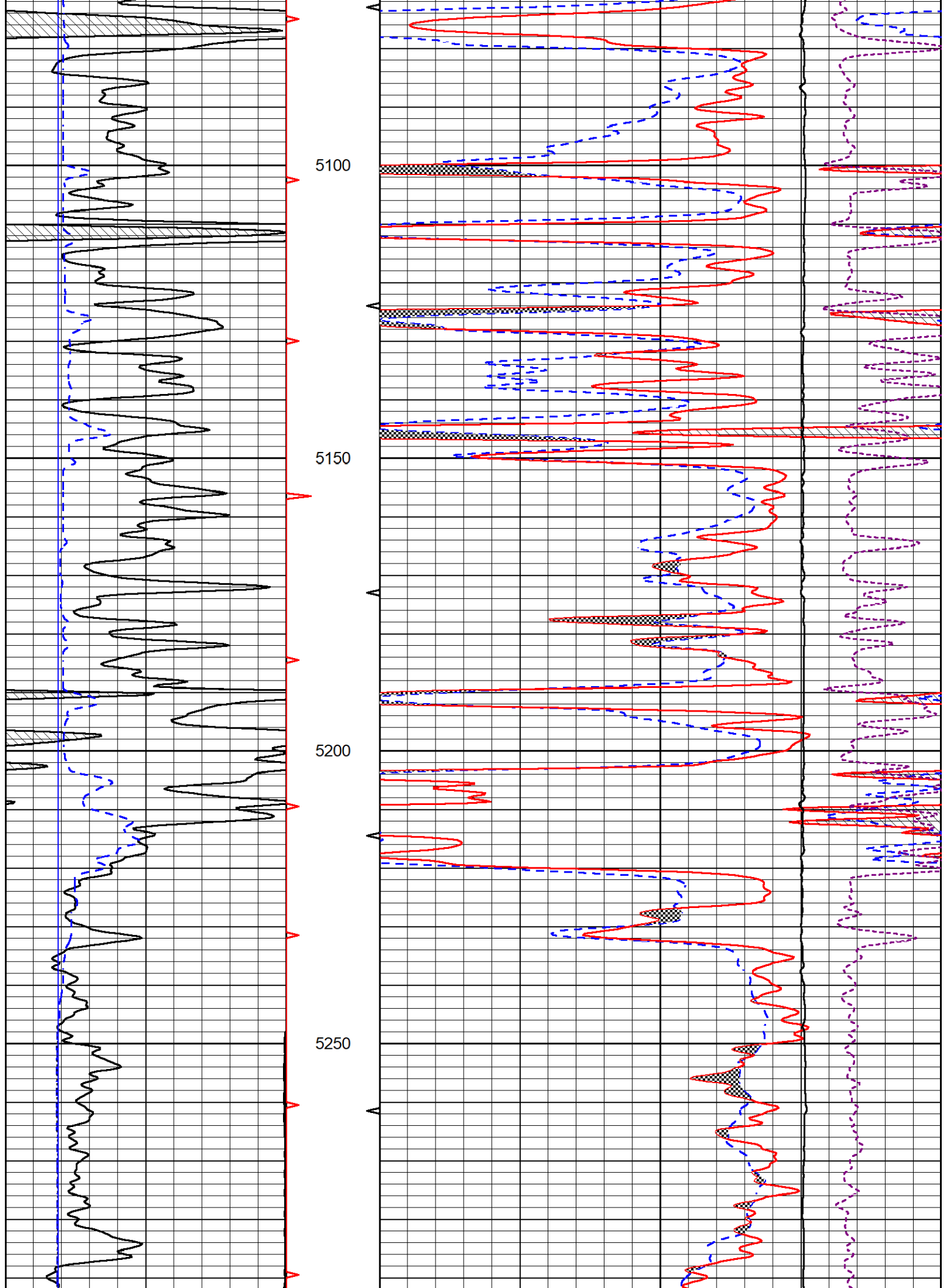


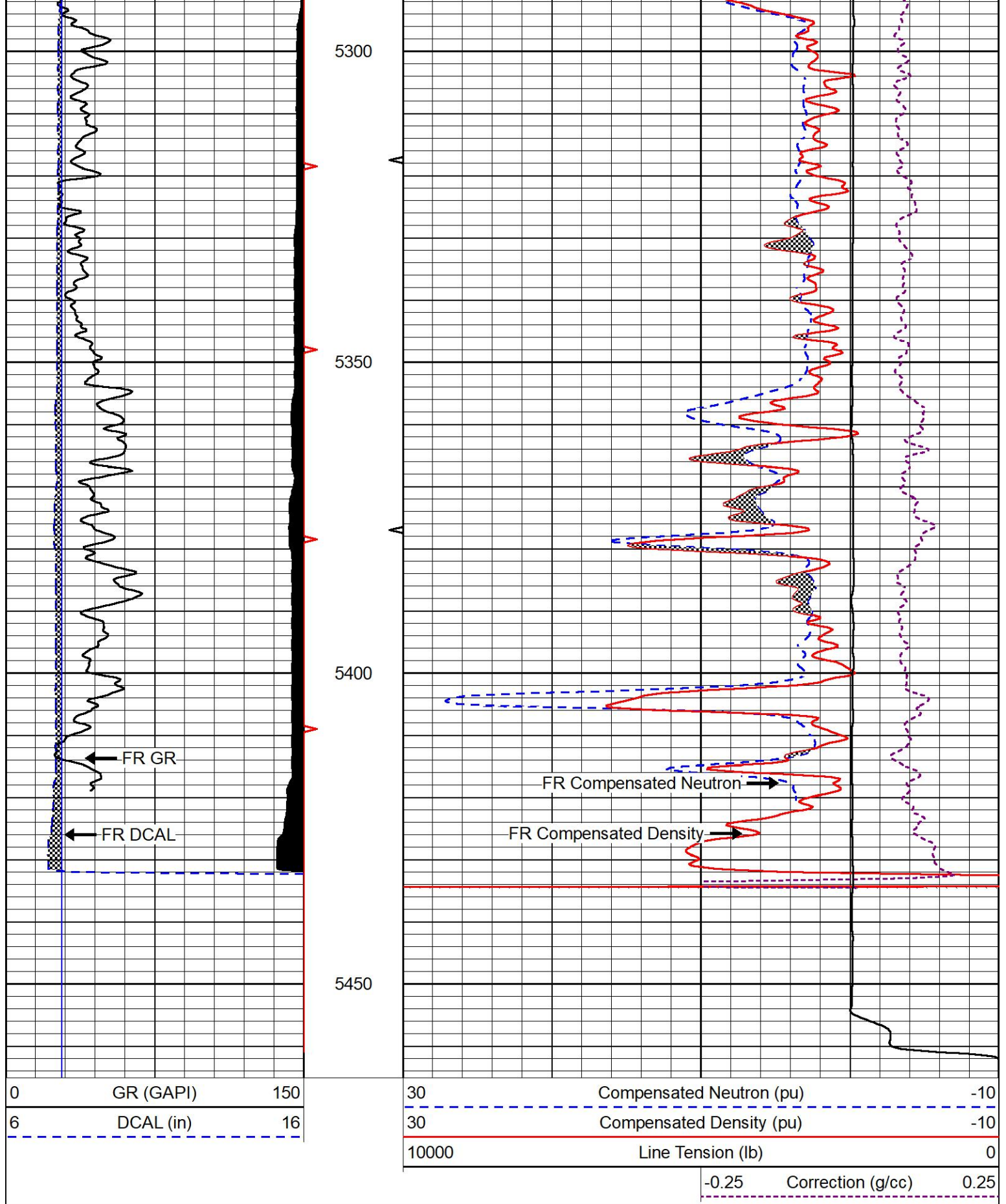












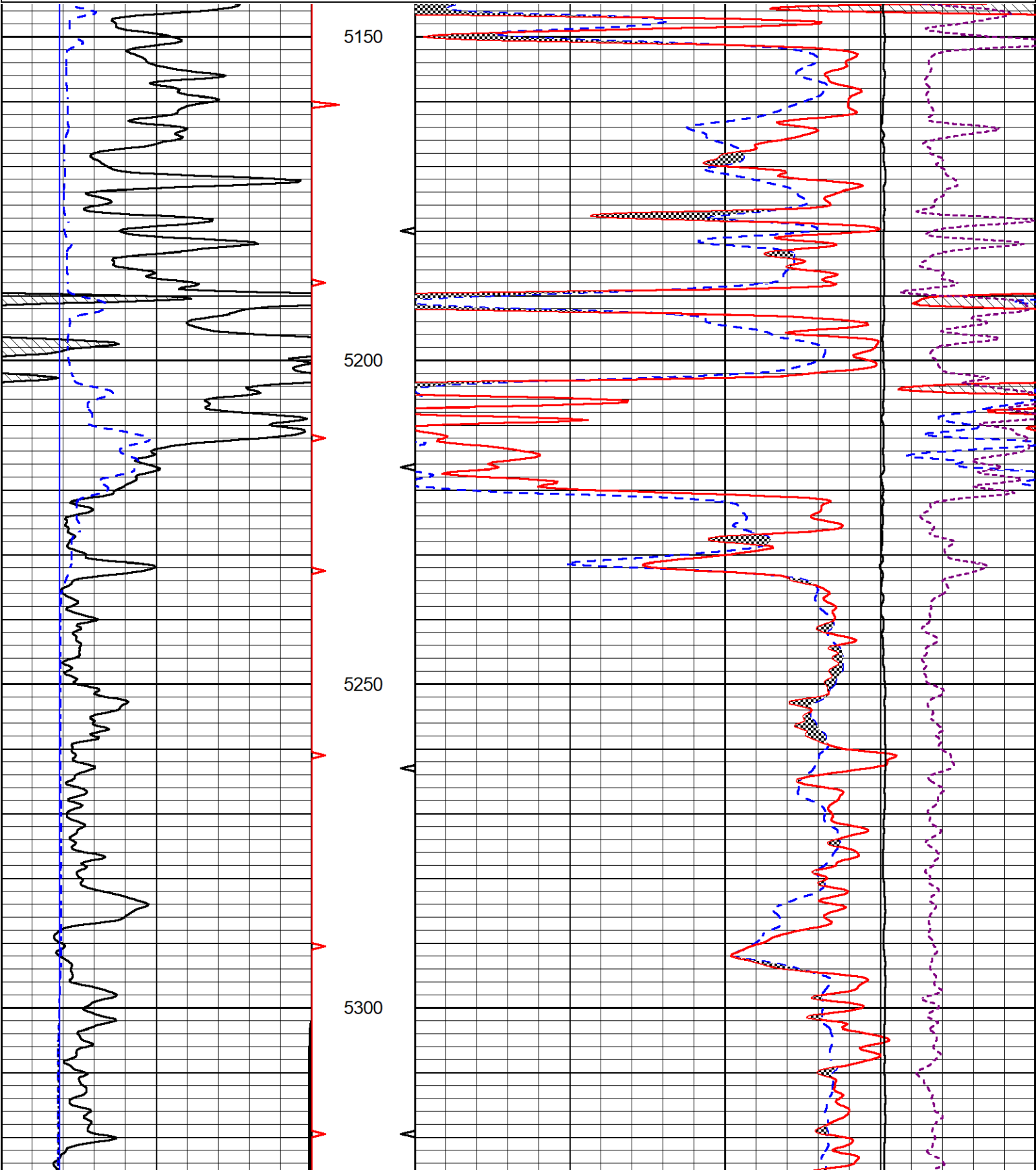
MIDWEST WIRELINE

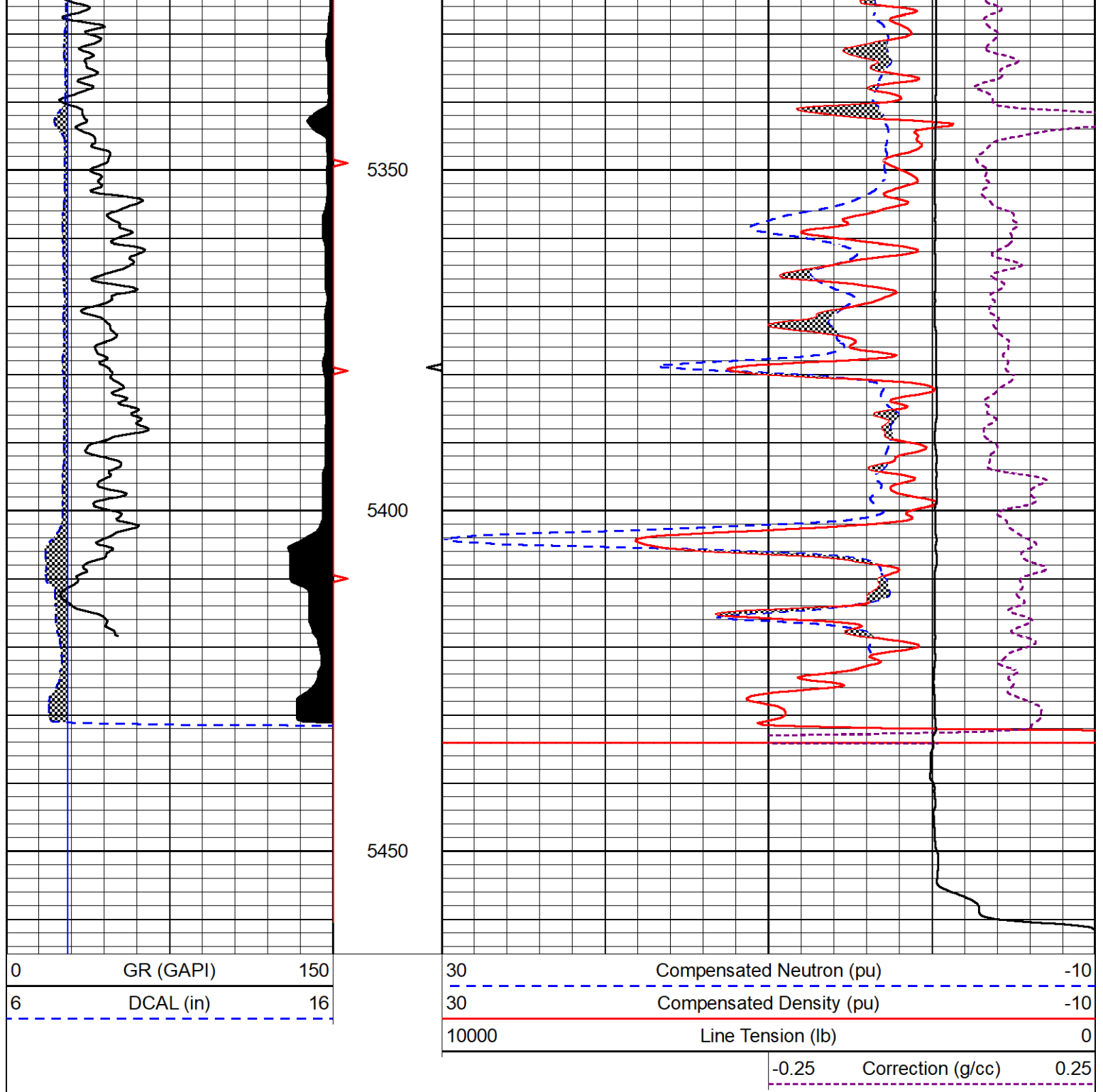
REPEAT SECTION

REPEAT PASS

Database File	carmen schmitt_molly 1-22.db
Dataset Pathname	stkml/pass2.12
Presentation Format	_CNDLS~1
Dataset Creation	Mon Oct 10 06:29:16 2022
Charted by	Depth in Feet scaled 1:240

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





Calibration Report

Database File carmen schmitt_molly 1-22.db
 Dataset Pathname stkml/pass3.11
 Dataset Creation Mon Oct 10 06:58:15 2022

Dual Induction Calibration Report

Serial-Model: 504 HT-M&W
 Surface Cal Performed: Mon Aug 1 06:26:43 2022

Readings

References

Results

Loop:	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-18.000
Shallow	169.833	614.412	0.000	255.800	mmho/m	0.650	-18.000

Medium 161.982 1441.110 0.000 255.800 mmho/m 0.450 -46.000

Microlog Calibration Report

Serial-Model: 401-PSI STKBL ML
Performed: Mon Aug 1 06:22:24 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	16000.0000	-1.0000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	16500.0000	-0.2000
Caliper	1.0049	1.0846	5.5000	20.0000	in	135.0000	-131.3200

Compensated Density Calibration Report

Serial-Model: 303-03-M&W
Source #: 21170B
Master Calibration Performed: Thu Aug 11 05:43:18 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3841.78	5151.73	cps
Aluminum	2.650	g/cc	700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.503		
	Size		Reading		
Small Ring	4.00	in	1.17		
Large Ring	14.00	in	1.04		

Compensated Neutron Calibration Report

Serial-Model: 210-M&W
Source #: N-1238
Master Calibration Performed: Fri Dec 3 09:16:24 2021

Master 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

Gamma Ray Calibration Report

Serial Number: 103
Tool Model: M&W
Performed: Fri Dec 3 12:13:24 2021

Calibrator Value: 500.0 GAPI

Background Reading: 28.0 cps
Calibrator Reading: 986.0 cps

Sensitivity: 0.5700 GAPI/cps





MIDWEST WIRELINE

Company	Carmen Schmitt, Inc.
Well	Molly #1-22
Field	
County	Ford
State	Kansas