



MIDWEST WIRELINE

**DUAL COMPENSATED  
POROSITY /  
MICRO LOG**

Company Murfin Drilling Company, Inc.  
Well Dorsch B #1-9  
Field Wildcat  
County Cheyenne  
State Kansas

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Well Dorsch B #1-9  
Field Wildcat  
County Cheyenne State Kansas

Location: API #: 15-023-21553-00-00  
990' FSL & 330' FWL  
SEC 9 TWP 3S RGE 37W  
Permanent Datum Ground Level Elevation 3431'  
Log Measured From Kelly Bushing  
Drilling Measured From Kelly Bushing  
Other Services  
DIL/BHCS  
K.B. 3436'  
D.F. N/A  
G.L. 3431'

Date	6/24/2021						
Run Number	One						
Type Log	CNL / CDL / ML						
Depth Driller	5100'						
Depth Logger	5100'						
Bottom Logged Interval	5099'						
Top Logged Interval	3750'						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	1100						
Density	9.1						
Level	Full						
Max. Rec. Temp. F	127						
Operating Rig Time	6 Hours						
Equipment -- Location	P-108   HAYS						
Recorded By	D. Schmidt						
Witnessed By	Robert Hendrix						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25"	0'	389'	8.625"	23#	0'	389'
Two	7.875"	389'	TD				
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.

Bird City,  
East to 31 Rd, 3 North,  
East into

Log Measured From: Kelly Bushing 5 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: Robert Hendrix  
Secondary Witness:  
Secondary Witness:  
Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (915-956)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	7.58	4.00	65.00
RLL3F RLL3	15.80 15.80					
CILD	8.00		DIL-PSI HIGH TEMP (959-1032)	18.50	3.50	220.00
CILM	4.70					
SP	0.20					

Dataset: murfin\_dorsch b 1-9.db: field/well/stkml/pass4.5  
 Total length: 43.08 ft  
 Total weight: 685.00 lb  
 O.D.: 4.00 in

# Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin\_dorsch b 1-9.db  
 Dataset field/well/stkml/pass4.5/\_vars\_

## Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	127	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	360	80	Off	5100



MIDWEST WIRELINE

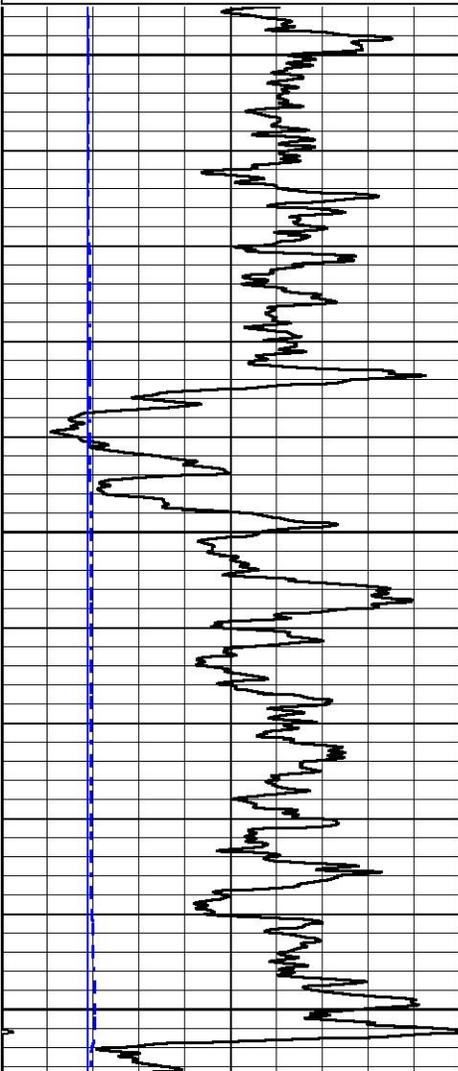
## 5" SCALE BULK DENSITY

### MAIN PASS

Database File murfin\_dorsch b 1-9.db  
 Dataset Pathname stkml/pass4.1  
 Presentation Format cdl  
 Dataset Creation Fri Jun 25 00:20:22 2021  
 Charted by Depth in Feet scaled 1:240

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

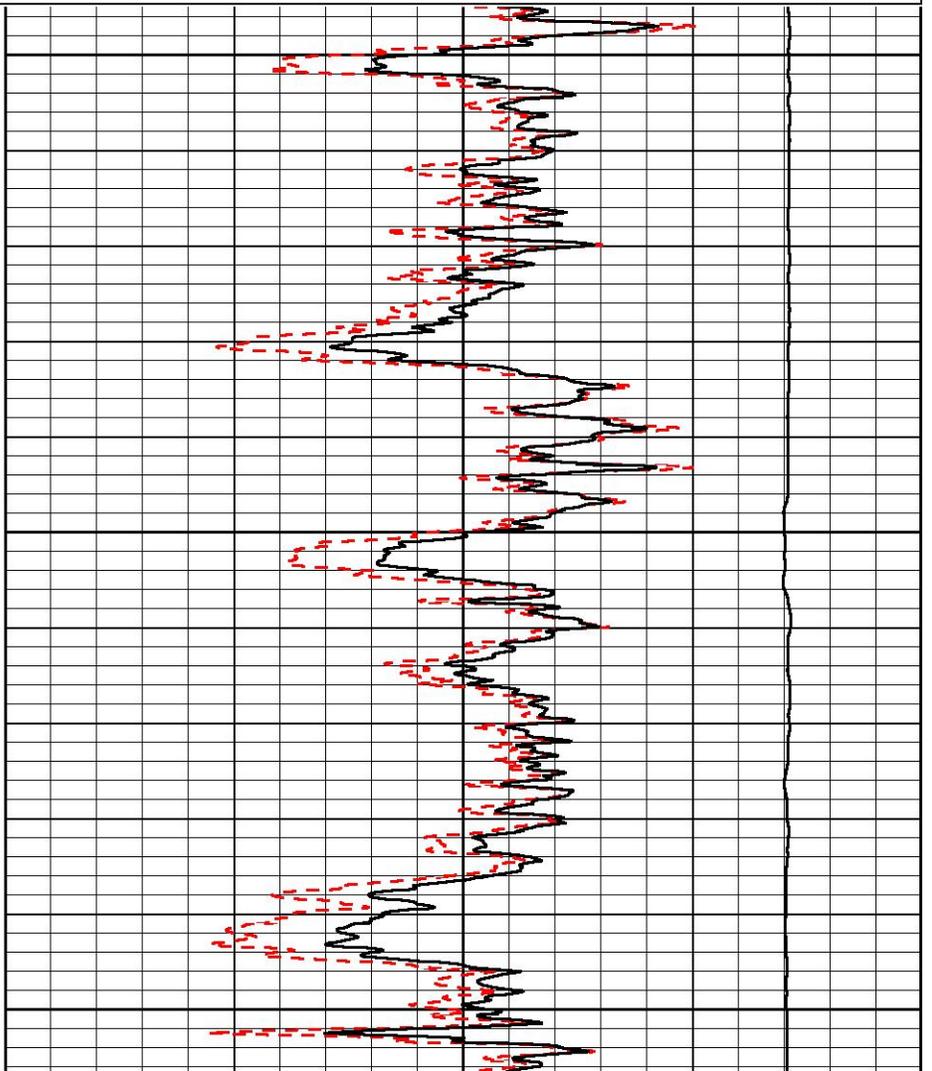
30	COMPENSATED DENSITY (pu)	-10
2	BULK DENSITY (g/cc)	3
15000	LINE TENSION (lb)	0

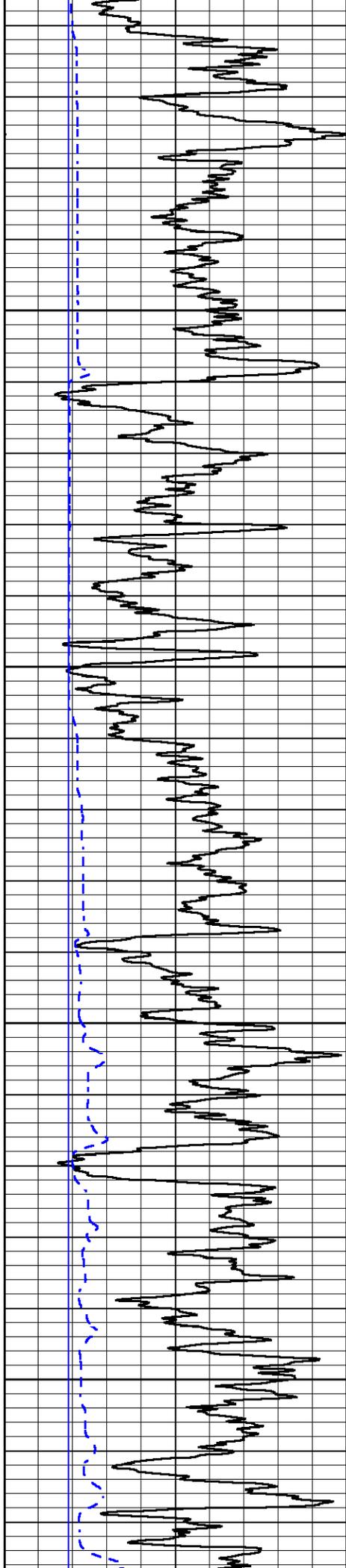


3750

3800

3850



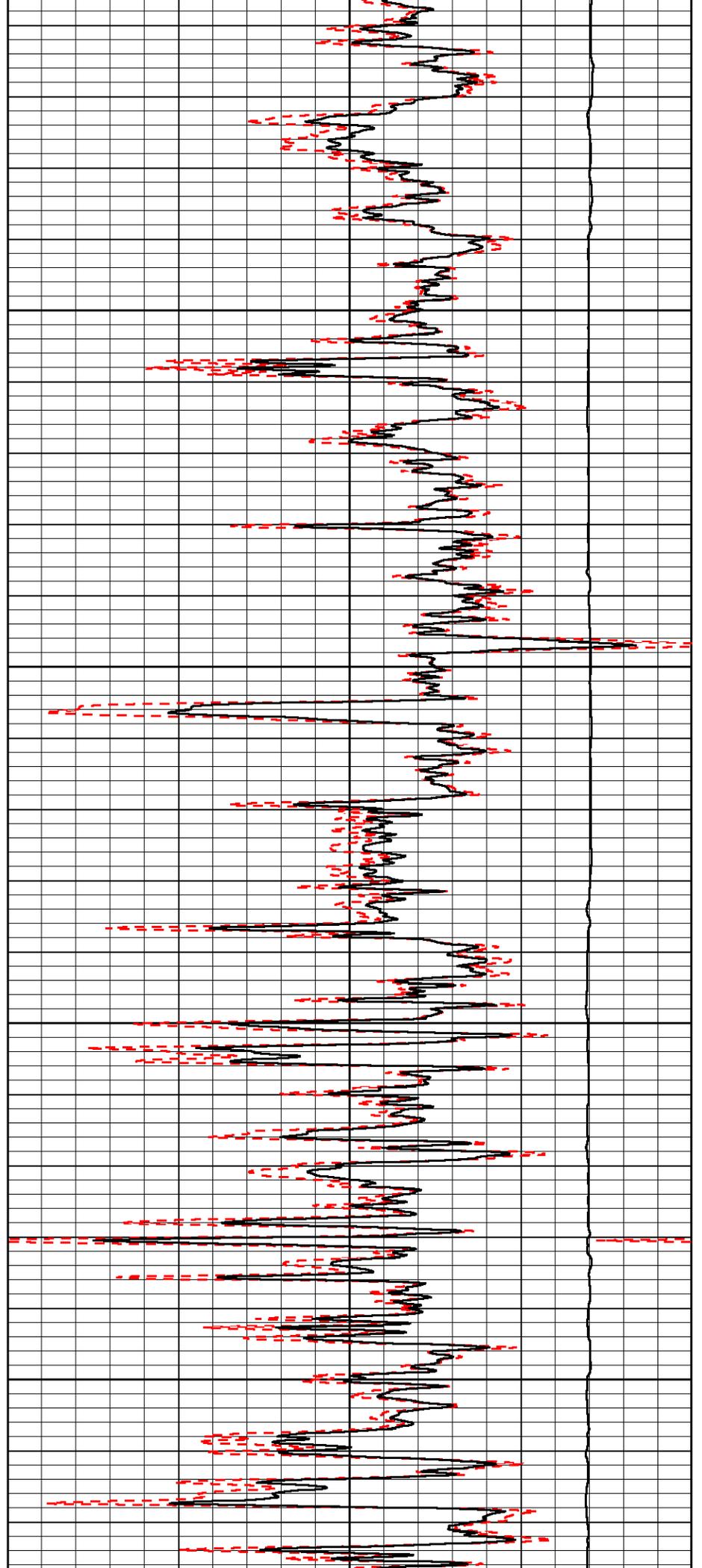


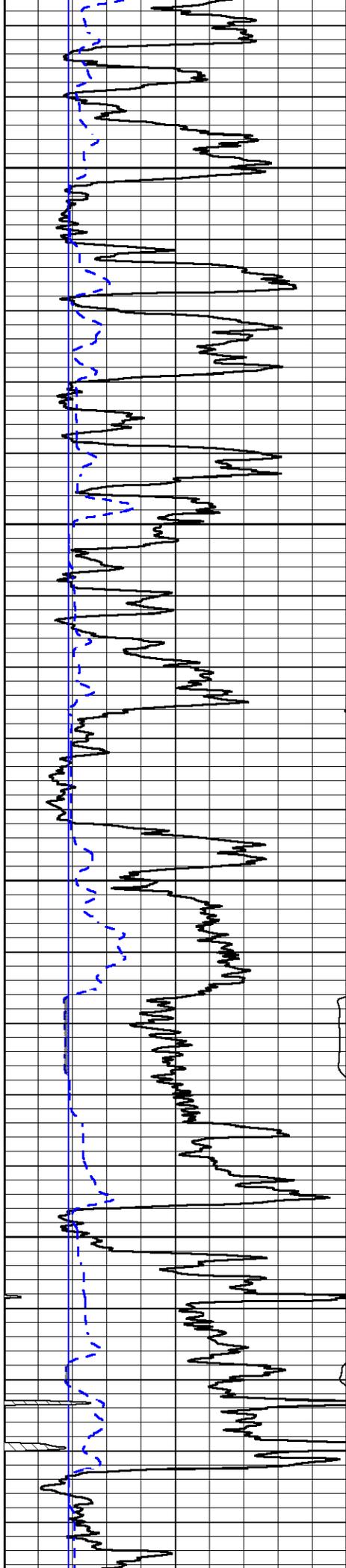
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3950

4000

4050



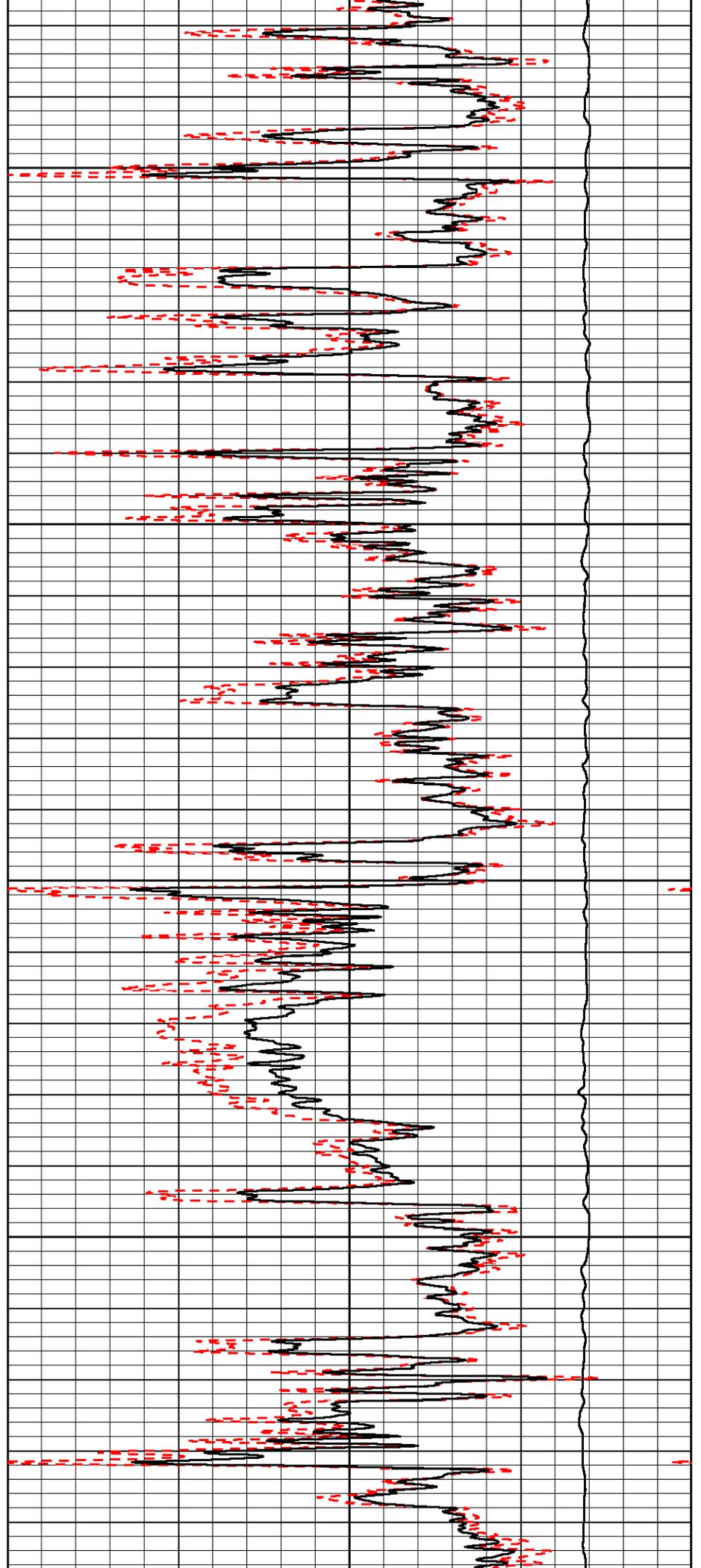


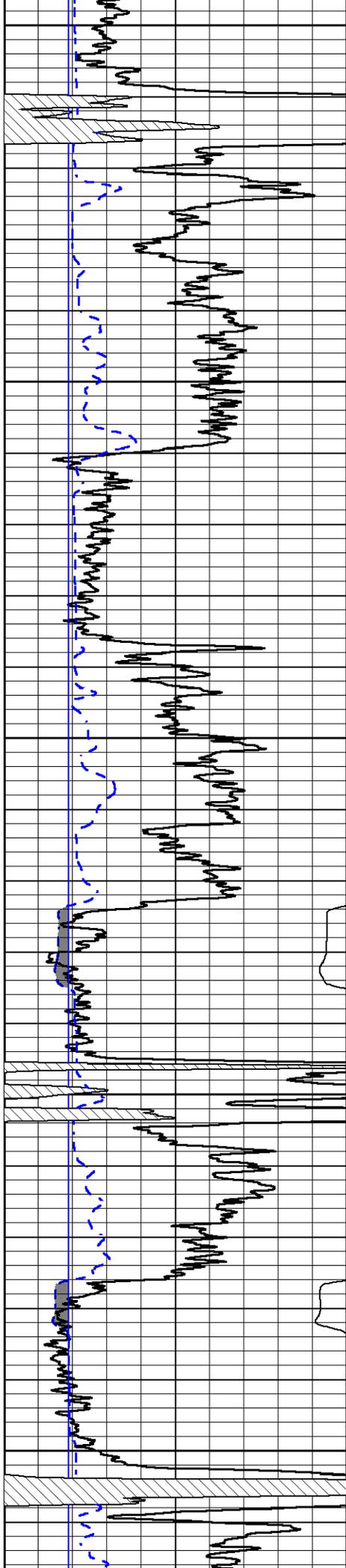
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4150

4200

4250





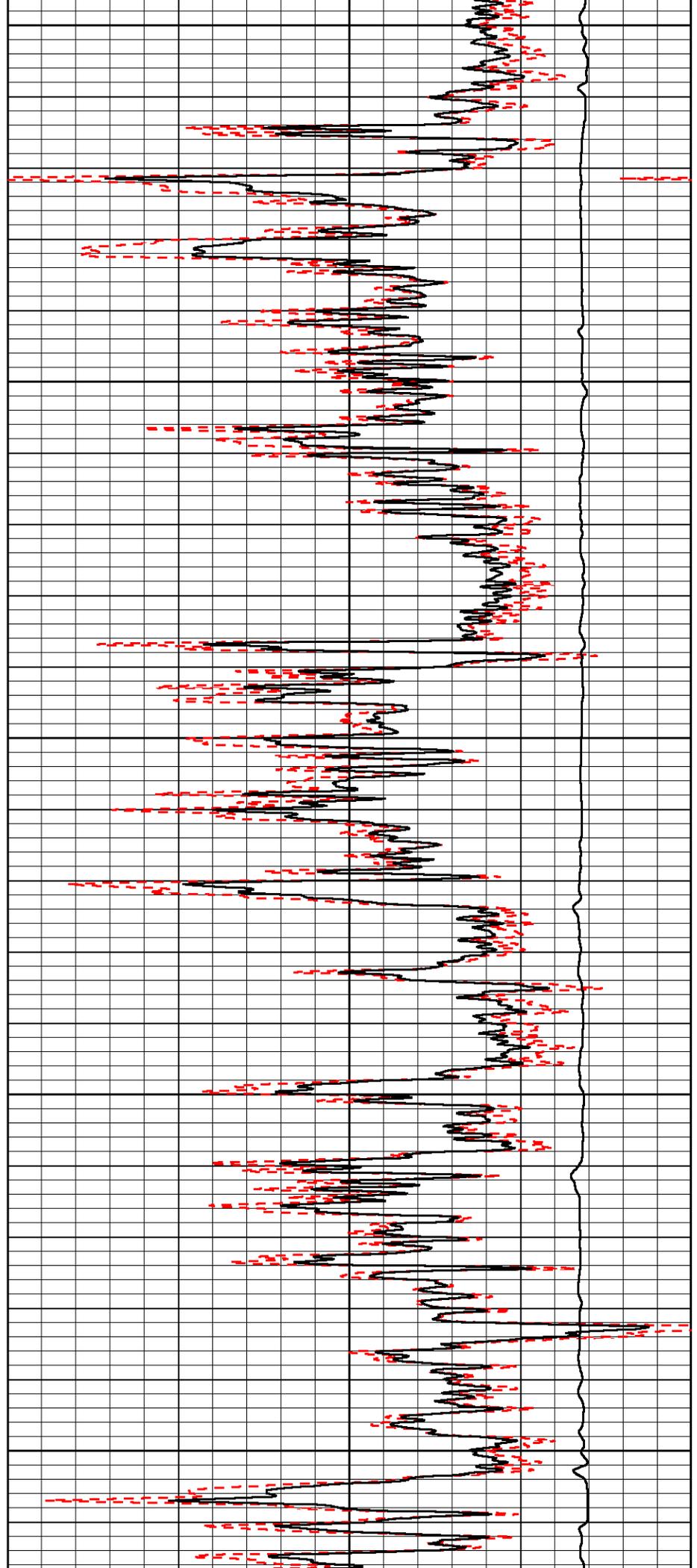
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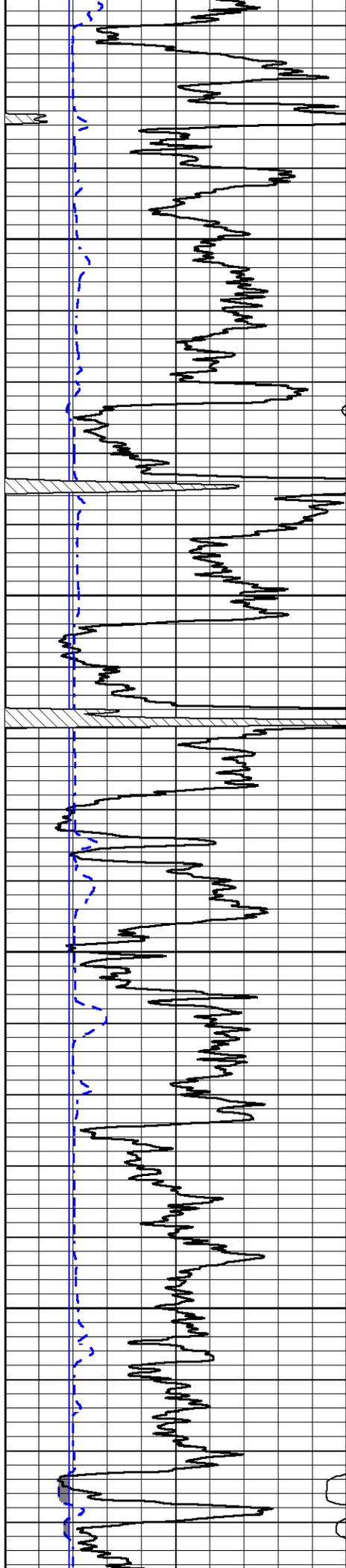
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4450

4500



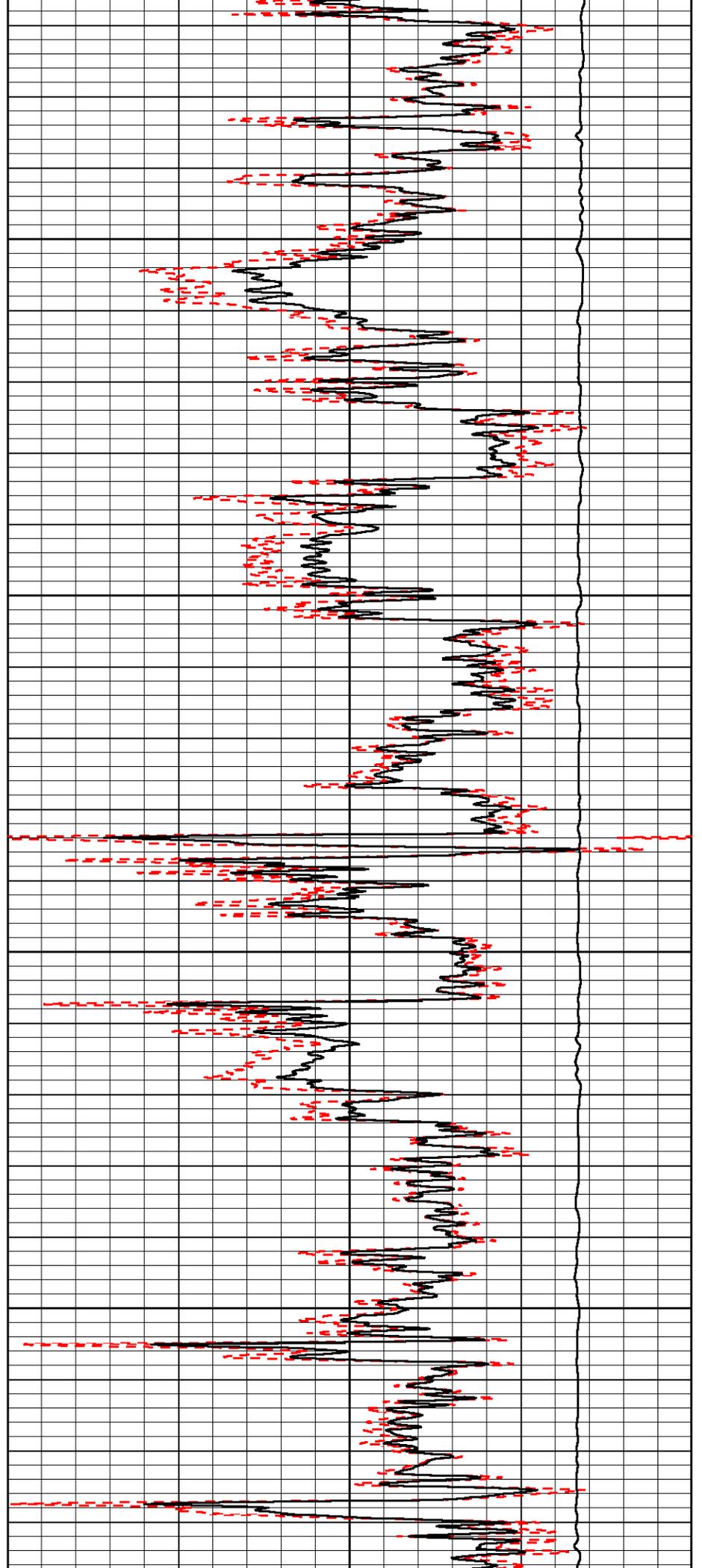


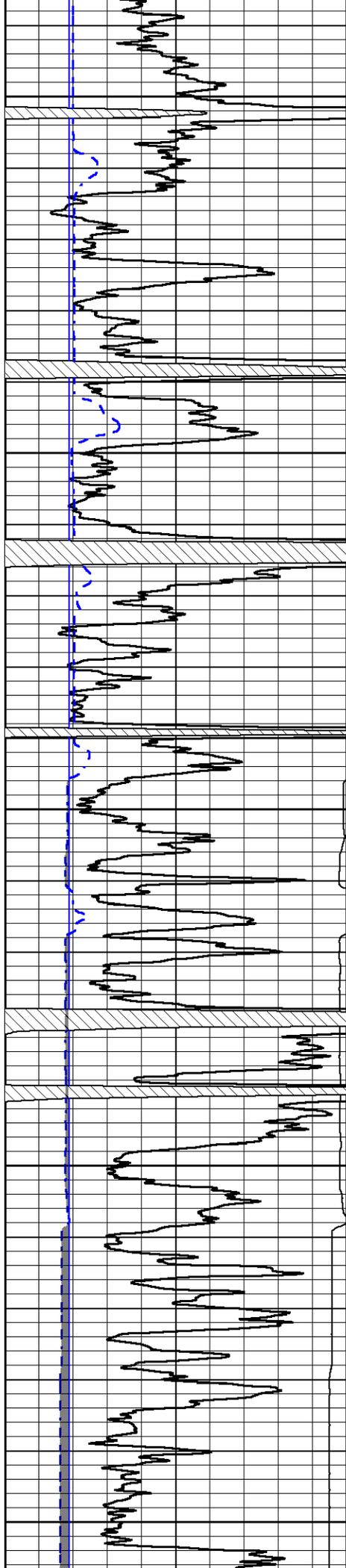
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4650

4700





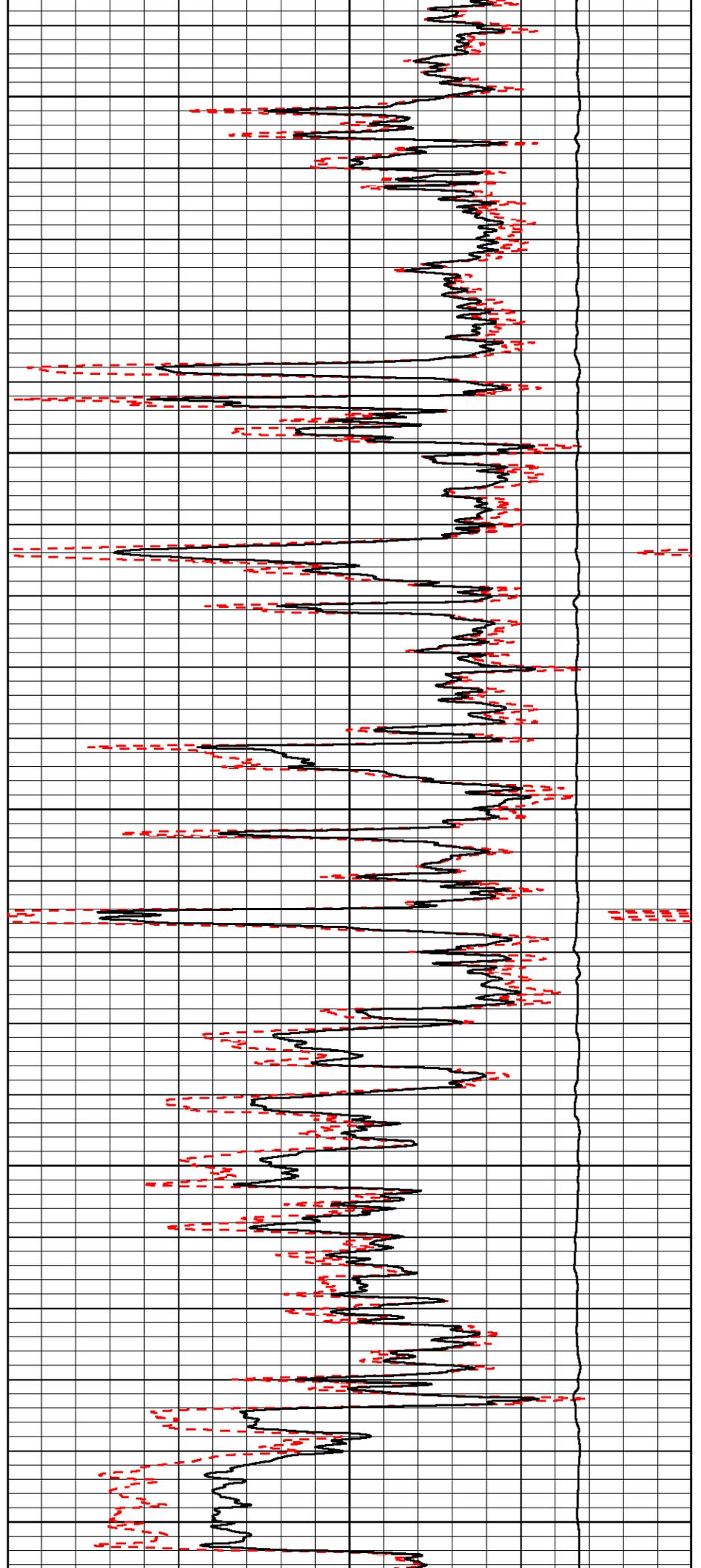
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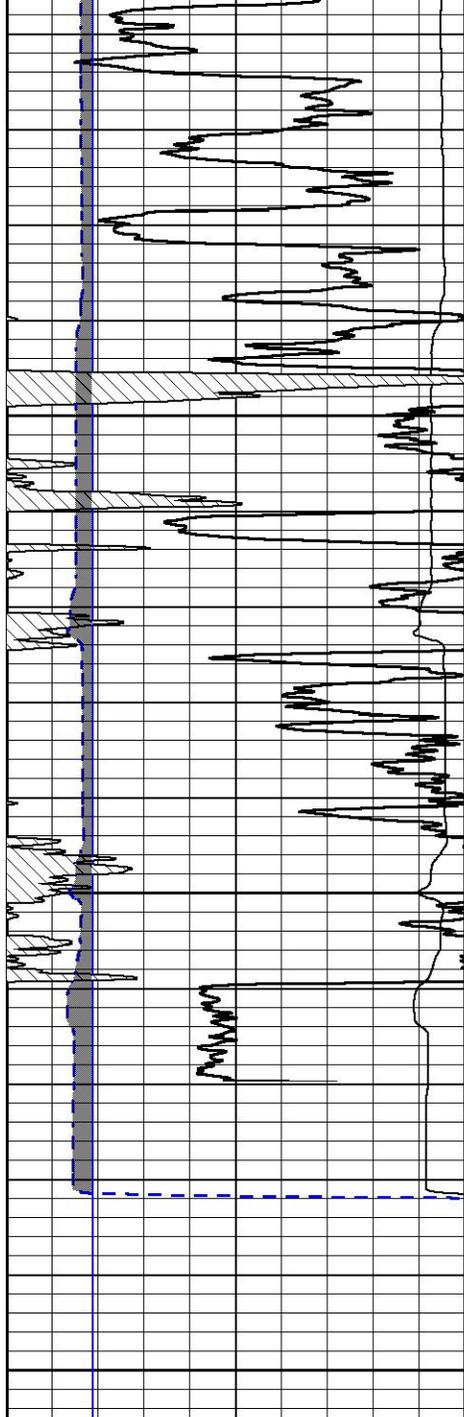
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4850

4900

4950



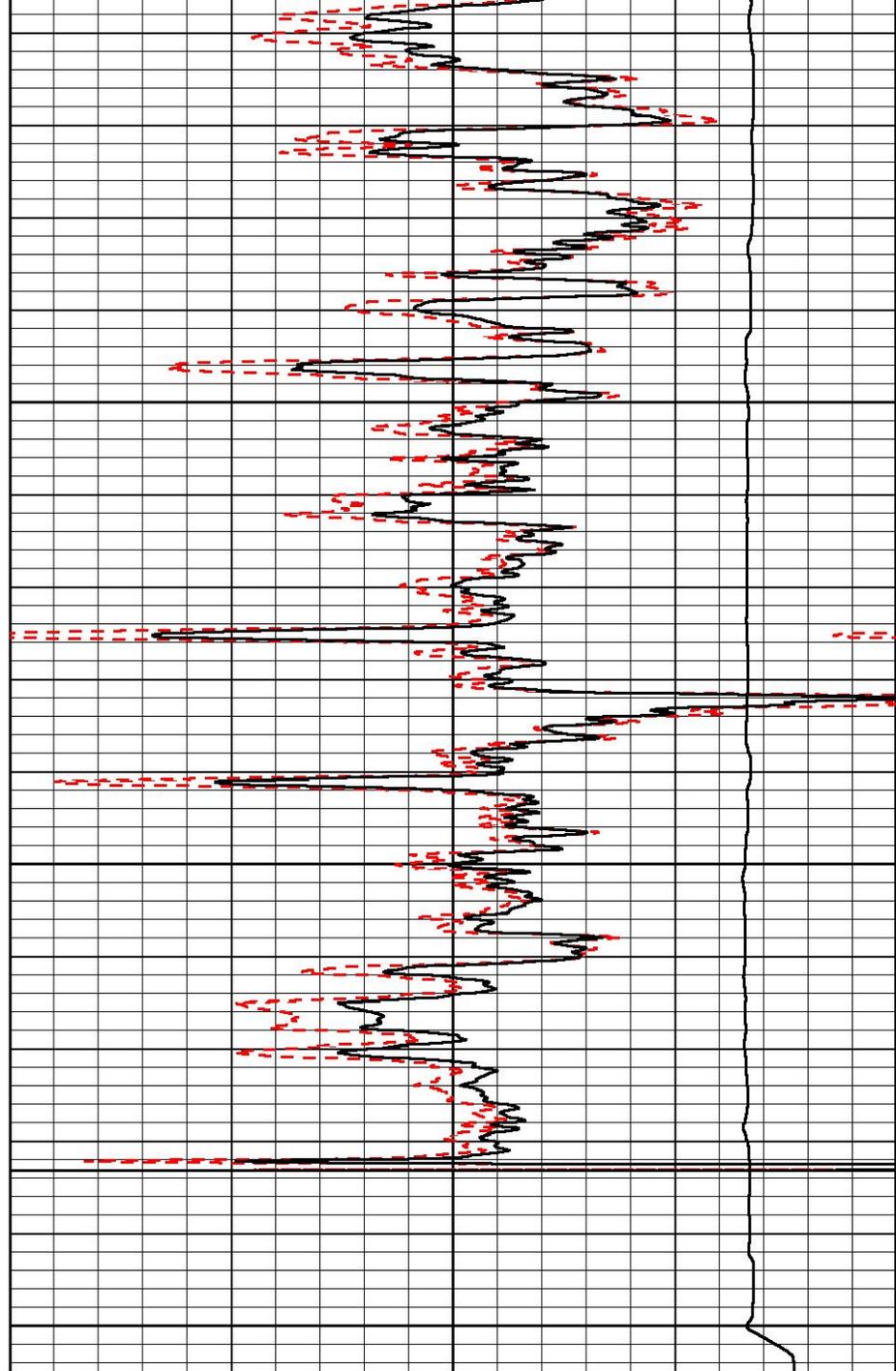


5000

5050

5100

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



MIDWEST WIRELINE

## DETAIL SECTION

### MAIN PASS

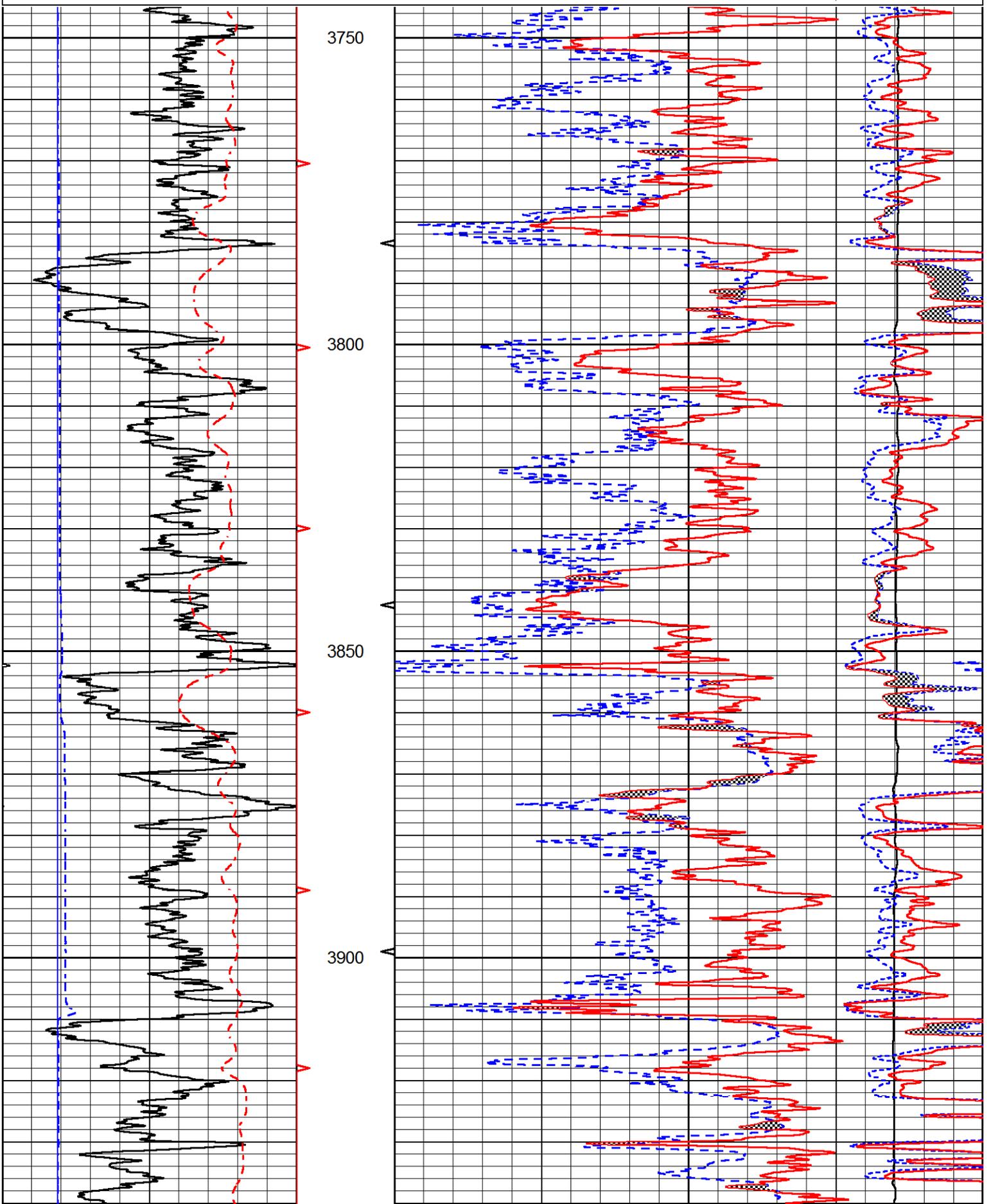
Database File      murfin\_dorsch b 1-9.db  
 Dataset Pathname    stkml/pass5.1  
 Presentation Format    cnd/spml  
 Dataset Creation      Fri Jun 25 00:21:13 2021  
 Charted by            Depth in Feet scaled 1:240

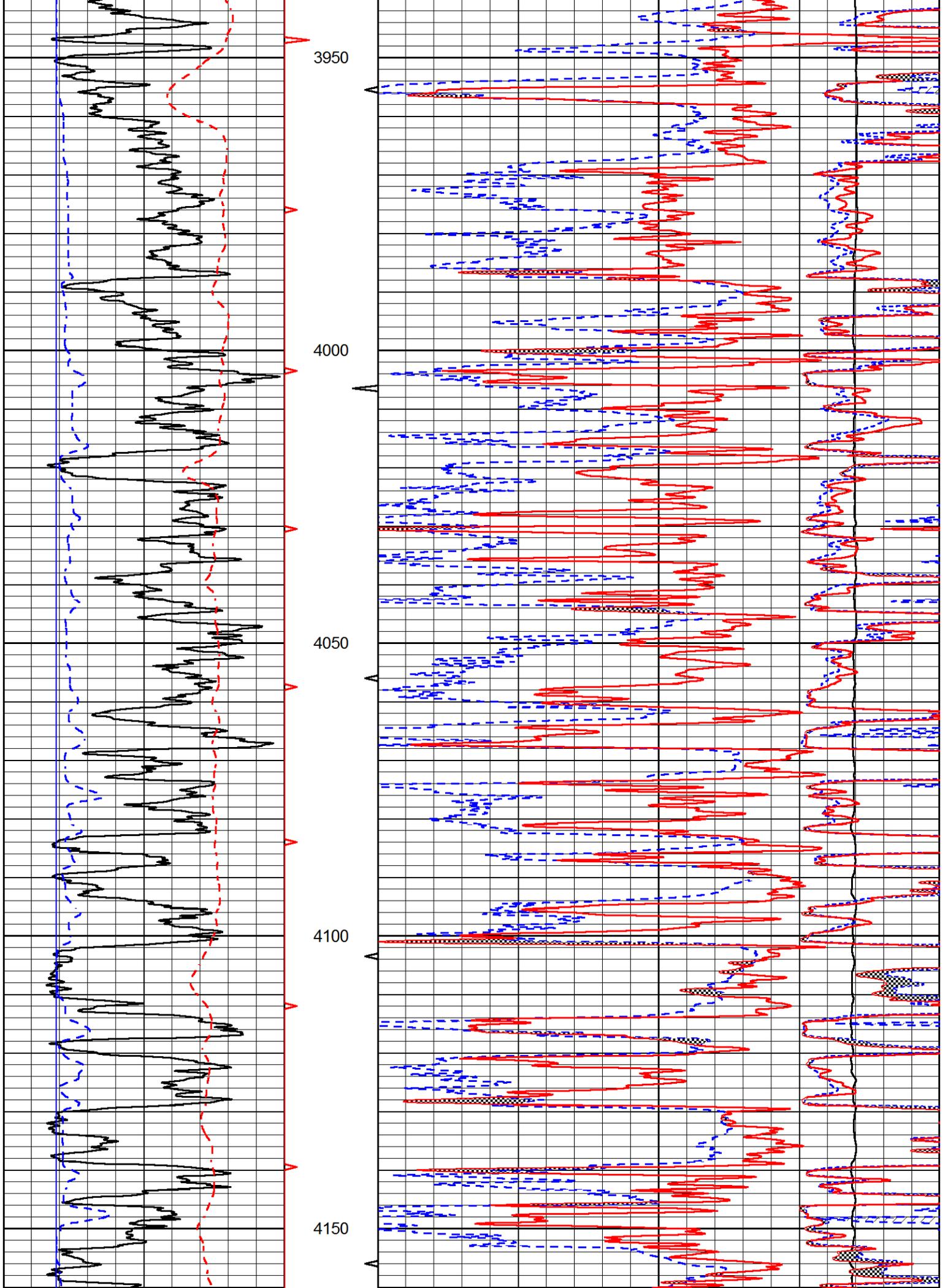
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6	CALIPER (in)	16

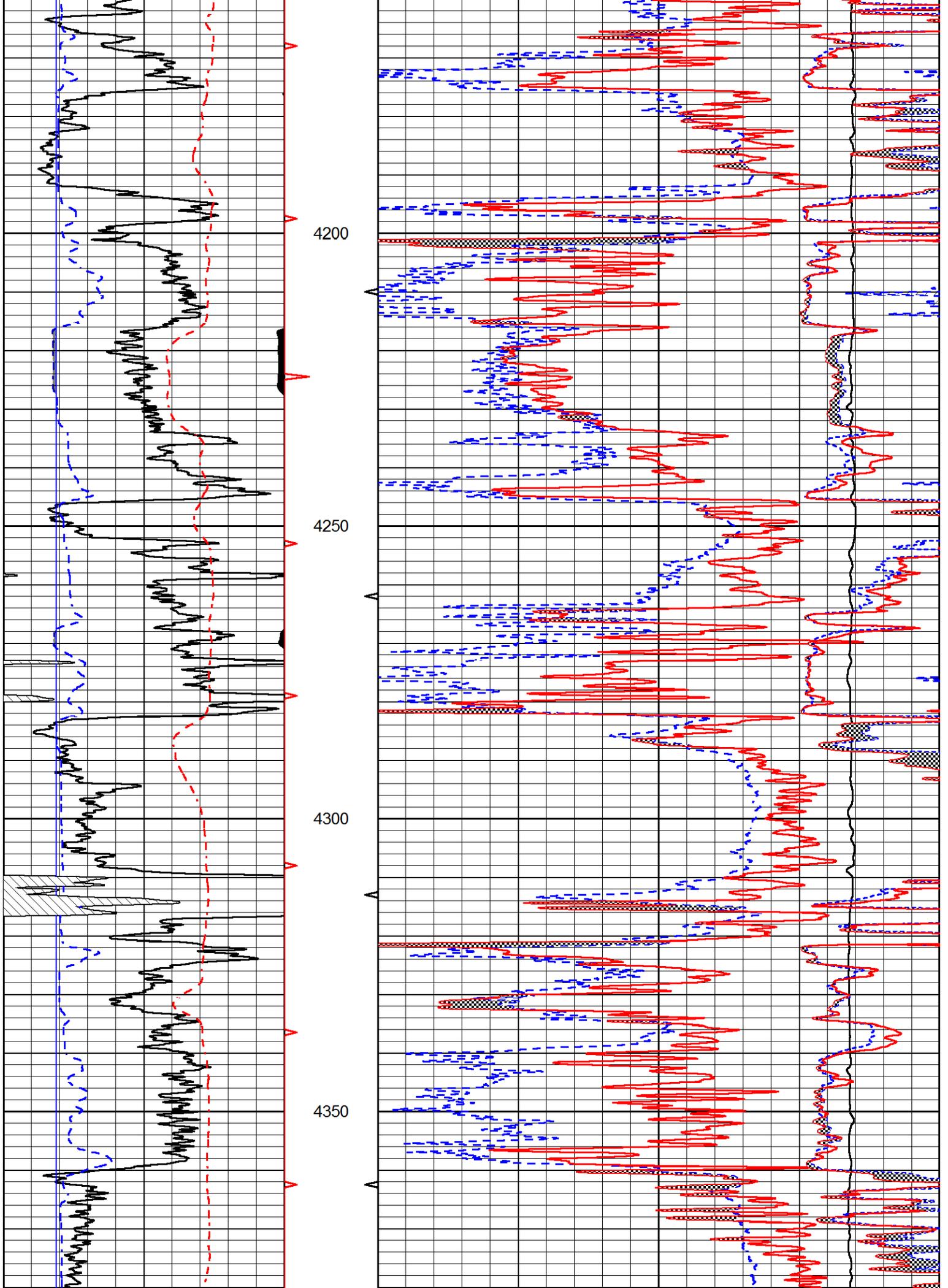
30	COMPENSATED NEUTRON (pu)	-10
30	COMPENSATED DENSITY (2.71 mA) (pu)	-10

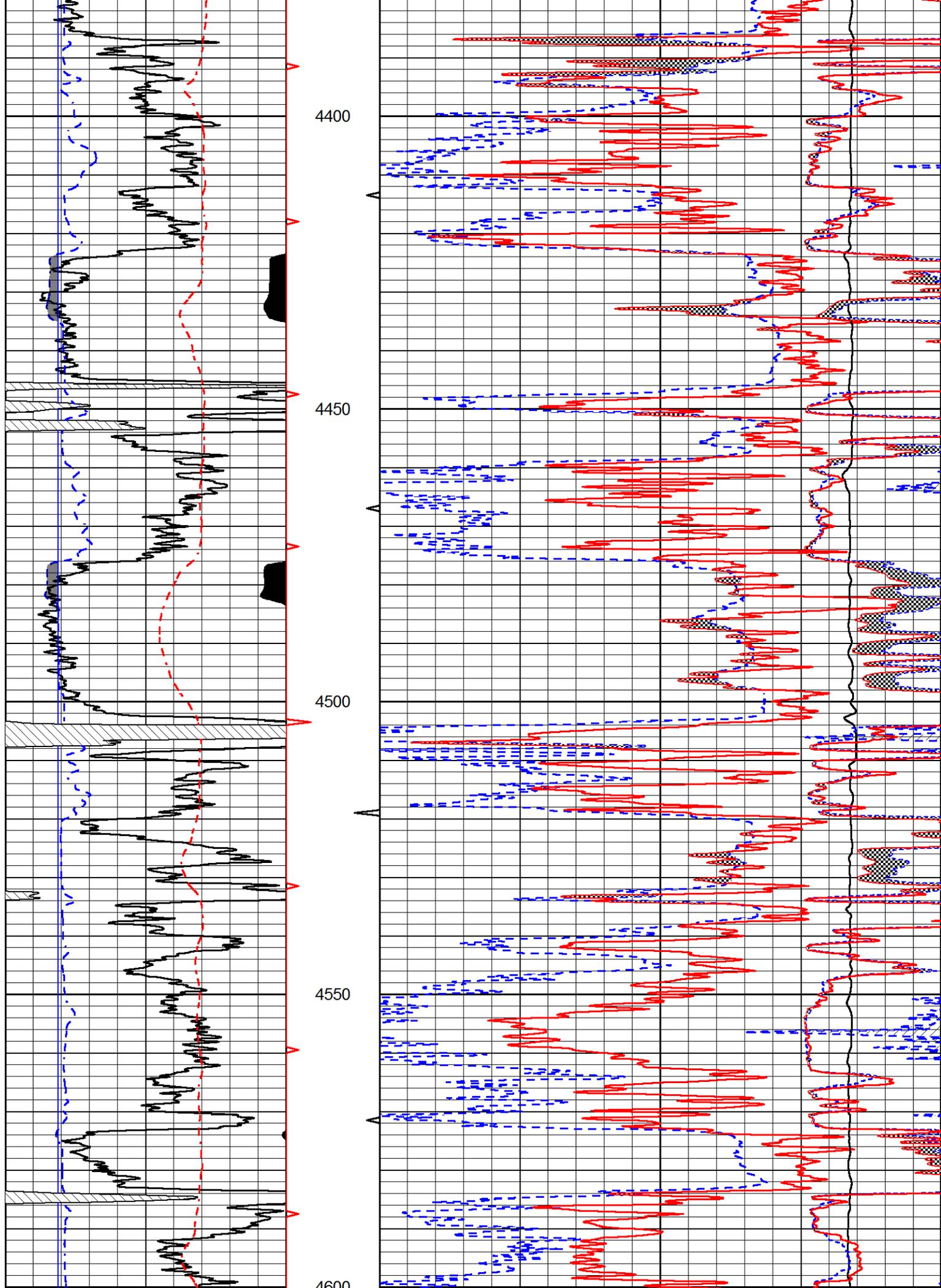
6 BIT SIZE 16  
-200 SP (mV) 0

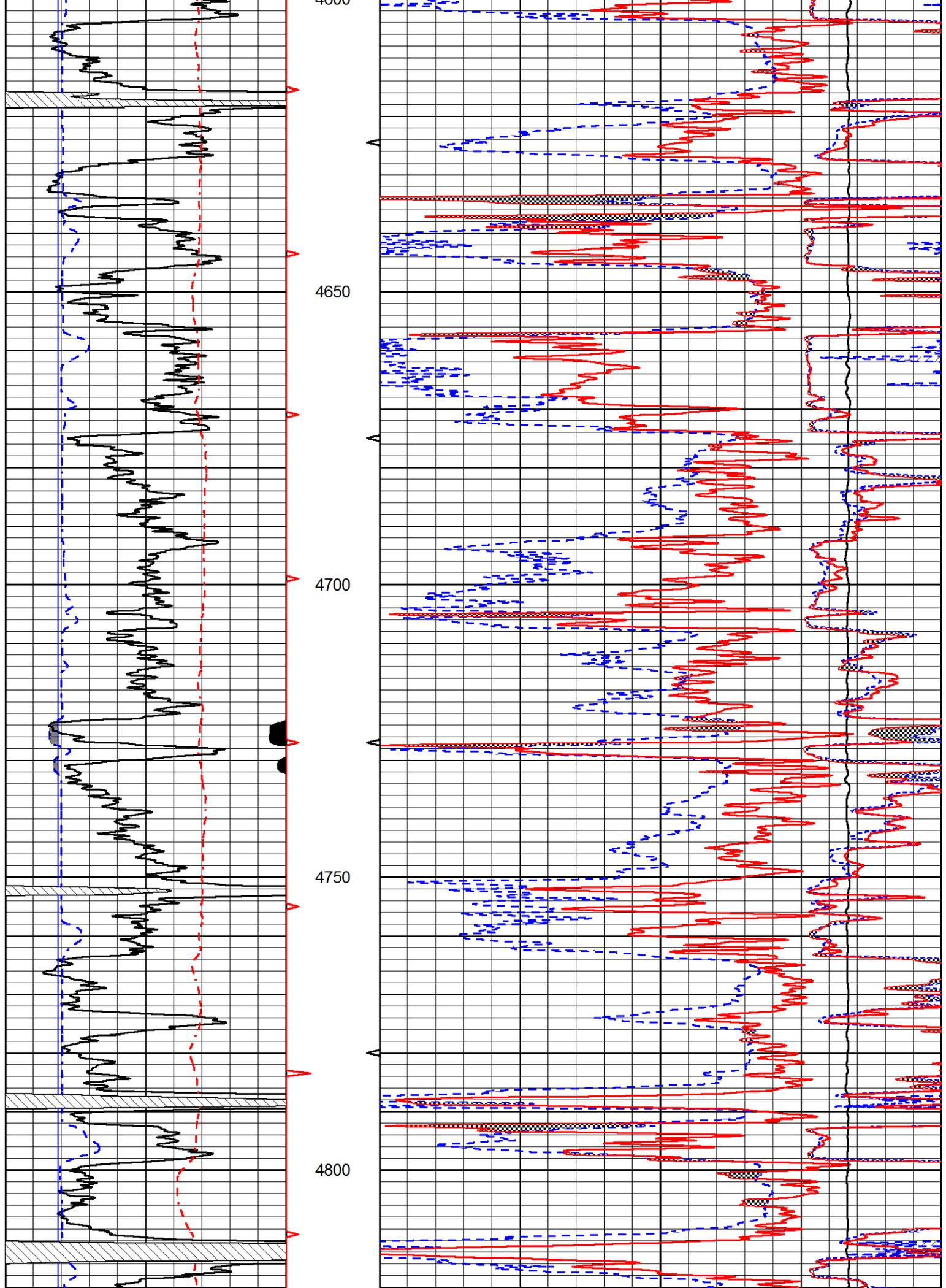
15000 LINE TENSION (lb) 0  
MICRO NORMAL  
0 (Ohm-m) 20  
MICRO INVERSE  
0 (Ohm-m) 20

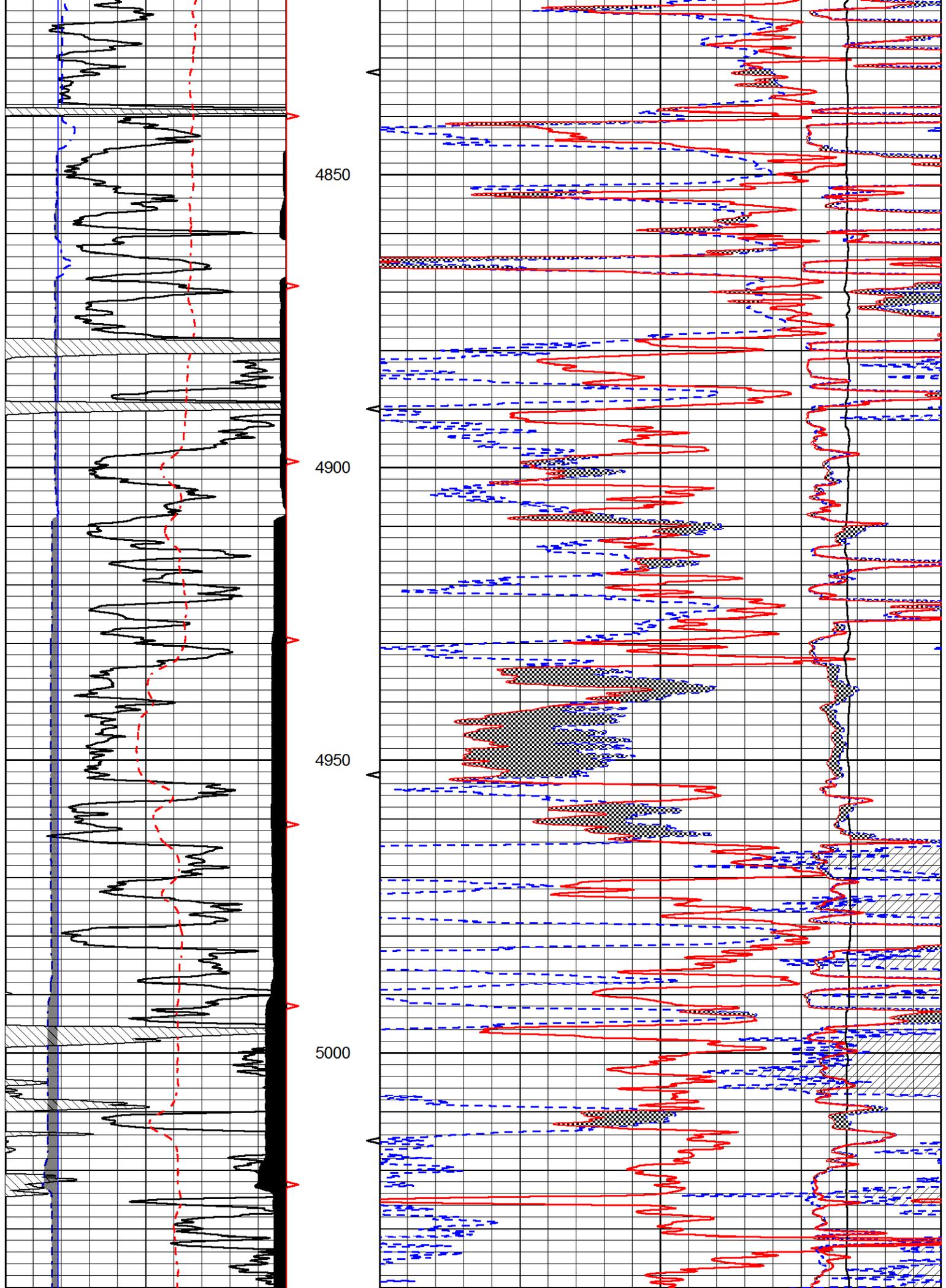


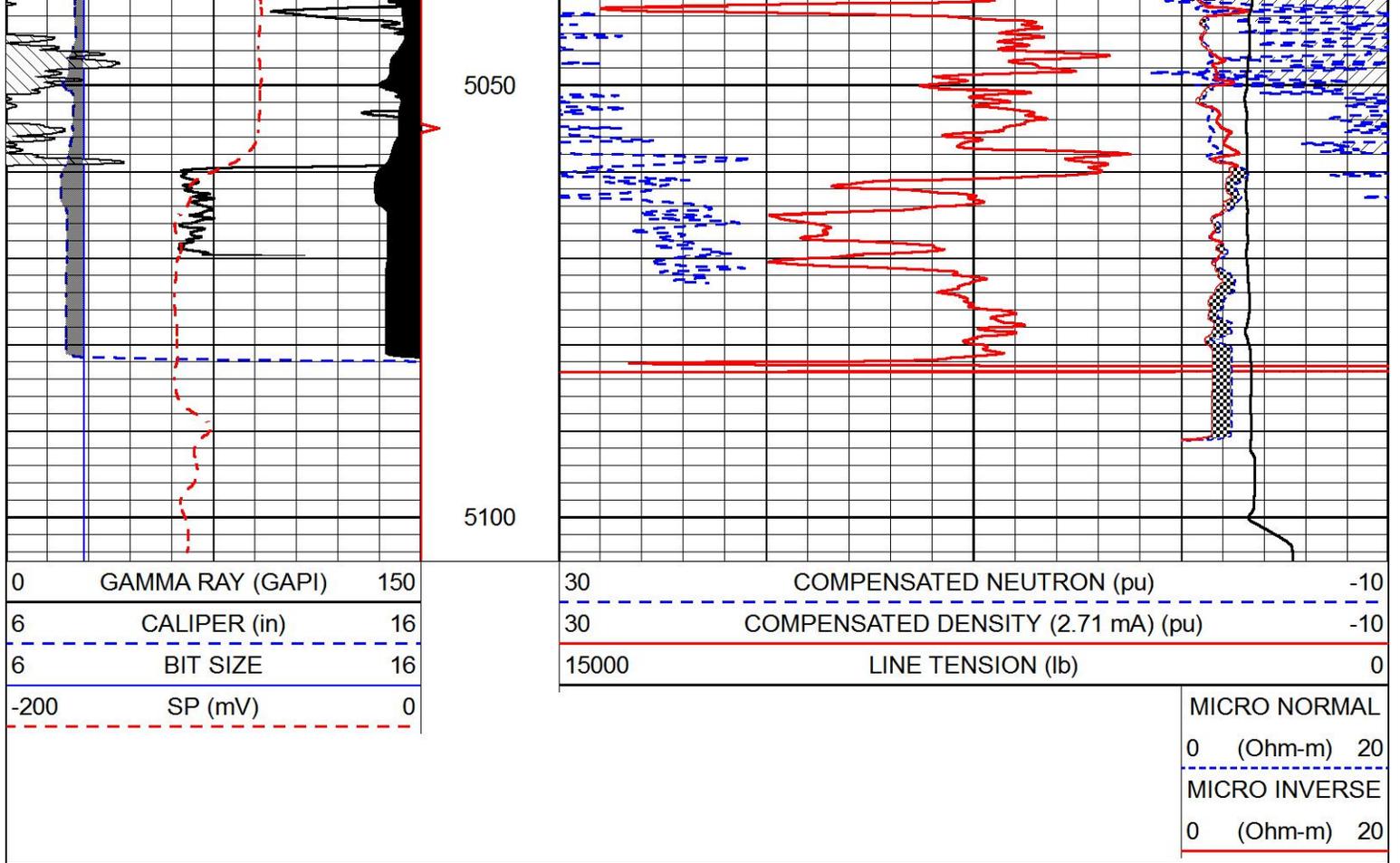








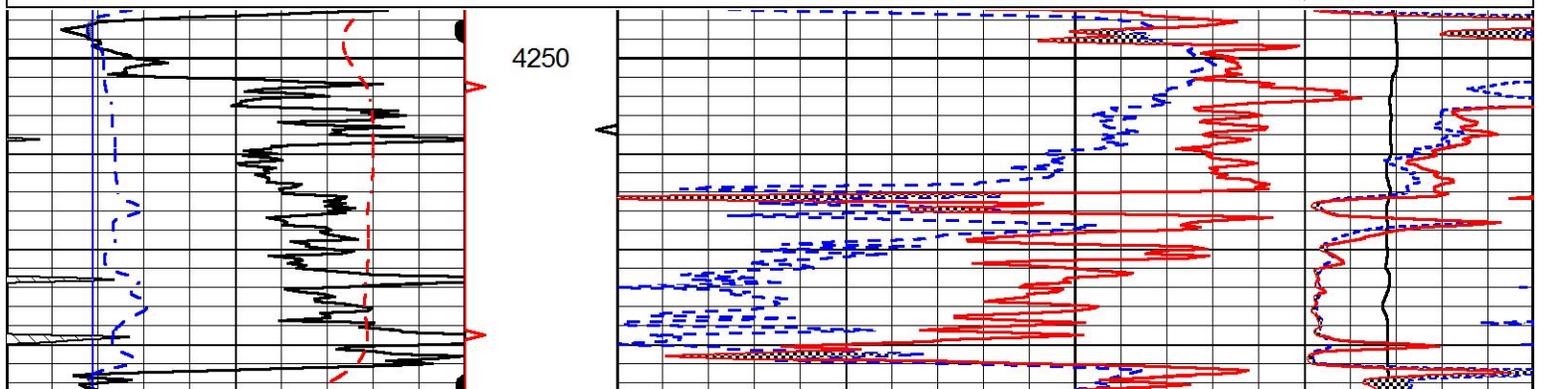
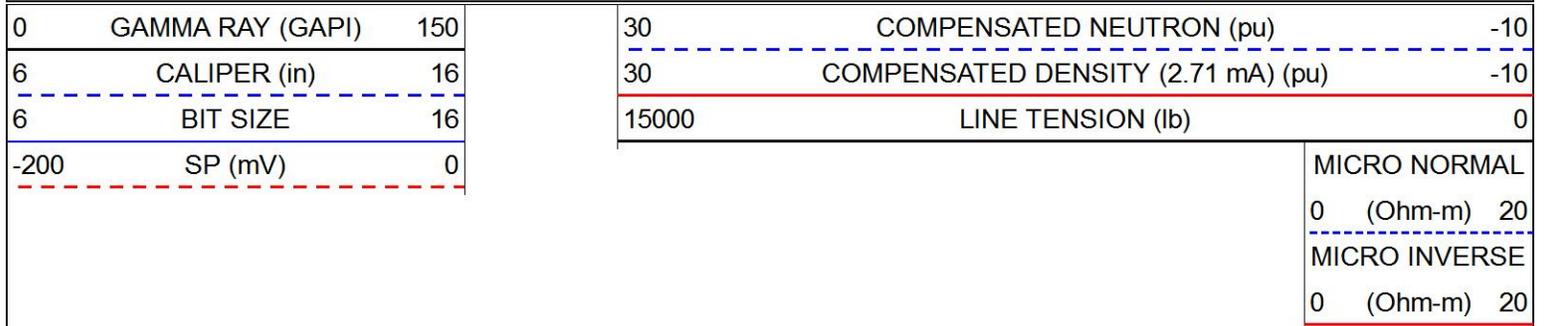


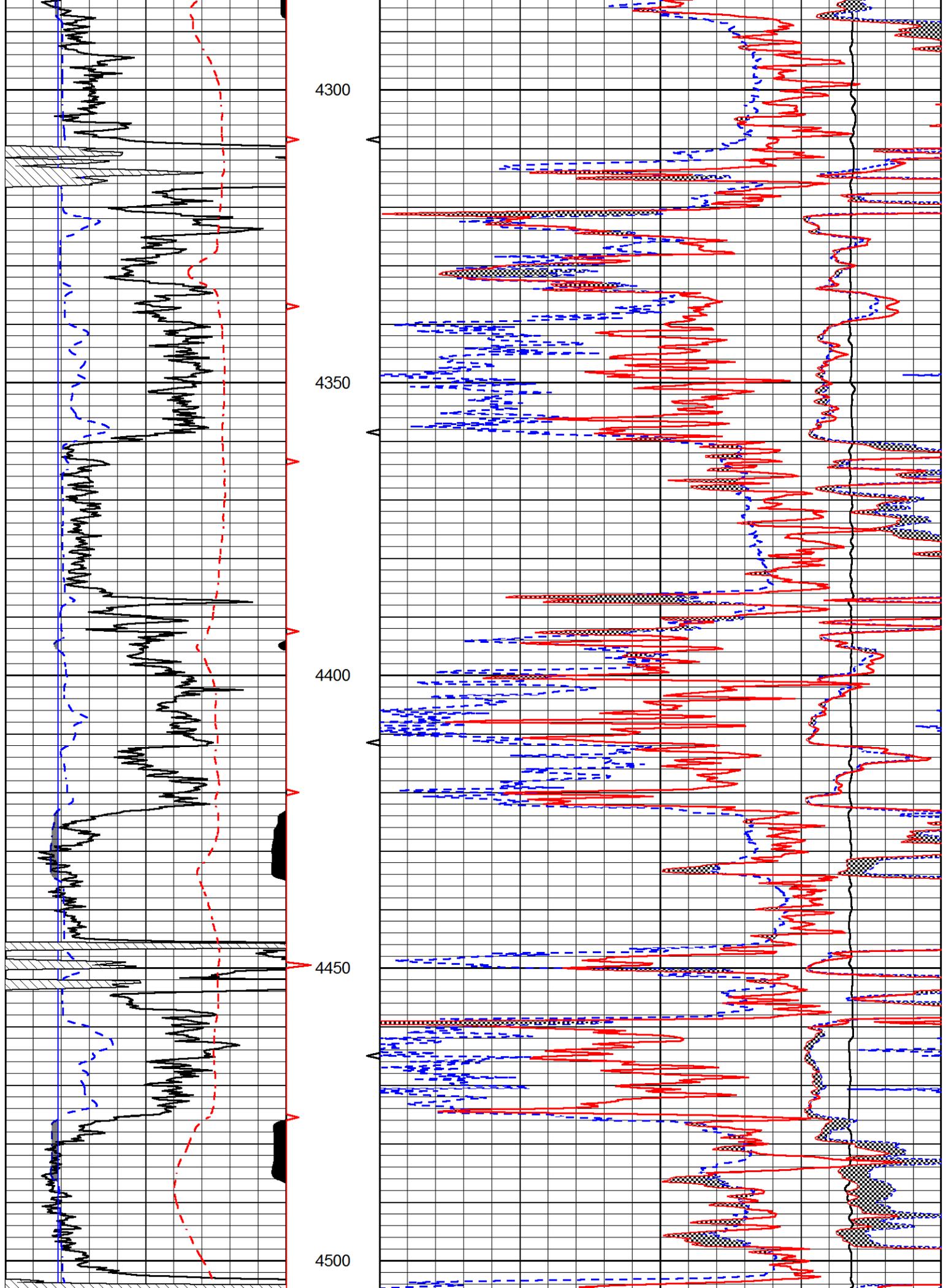


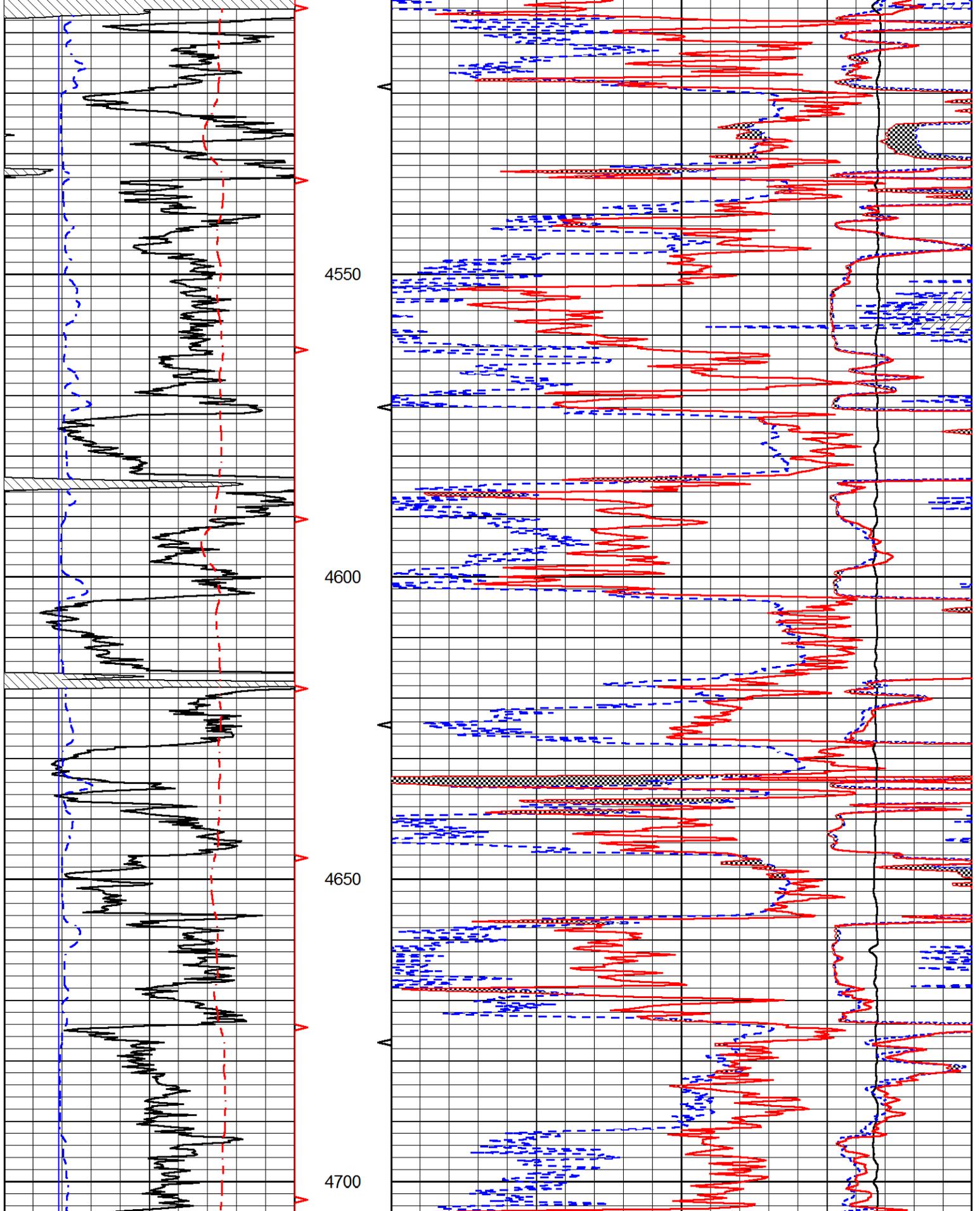
# REPEAT SECTION

## REPEAT PASS

Database File murfin\_dorsch b 1-9.db  
 Dataset Pathname stkml/pass3.1  
 Presentation Format cndlspl  
 Dataset Creation Thu Jun 24 23:53:23 2021  
 Charted by Depth in Feet scaled 1:240







0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	BIT SIZE	16
-200	SP (mV)	0

30	COMPENSATED NEUTRON (pu)	-10
30	COMPENSATED DENSITY (2.71 mA) (pu)	-10
15000	LINE TENSION (lb)	0
	MICRO NORMAL	

0 (Ohm-m) 20  
MICRO INVERSE  
0 (Ohm-m) 20



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