



MIDWEST WIRELINE

# MICRORESISTIVITY LOG

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

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

Date	6/24/2021
Run Number	One
Depth Driller	5100'
Depth Logger	5100'
Bottom Logged Interval	5099'
Top Log Interval	3750'
Casing Driller	8.625" @ 389'
Casing Logger	386'
Bit Size	7.875"
Type Fluid in Hole	Chemical
Salinity, ppm CL	1100
Density / Viscosity	9.1 52
pH / Fluid Loss	10.5 6.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.60 @ 80
Rmt @ Meas. Temp	0.45 @ 80
Rmc @ Meas. Temp	0.81 @ 80
Source of Rmf / Rmc	CHARTS
Rm @ BHT	0.38 @ 127
Operating Rig Time	6 Hours
Max Rec. Temp. F	127
Equipment Number	P-108
Location	HAYS
Recorded By	D. Schmidt
Witnessed By	Robert Hendrix

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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/pass4.7  
 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/pass4.7/\_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	355	80	Off	5100



MIDWEST WIRELINE

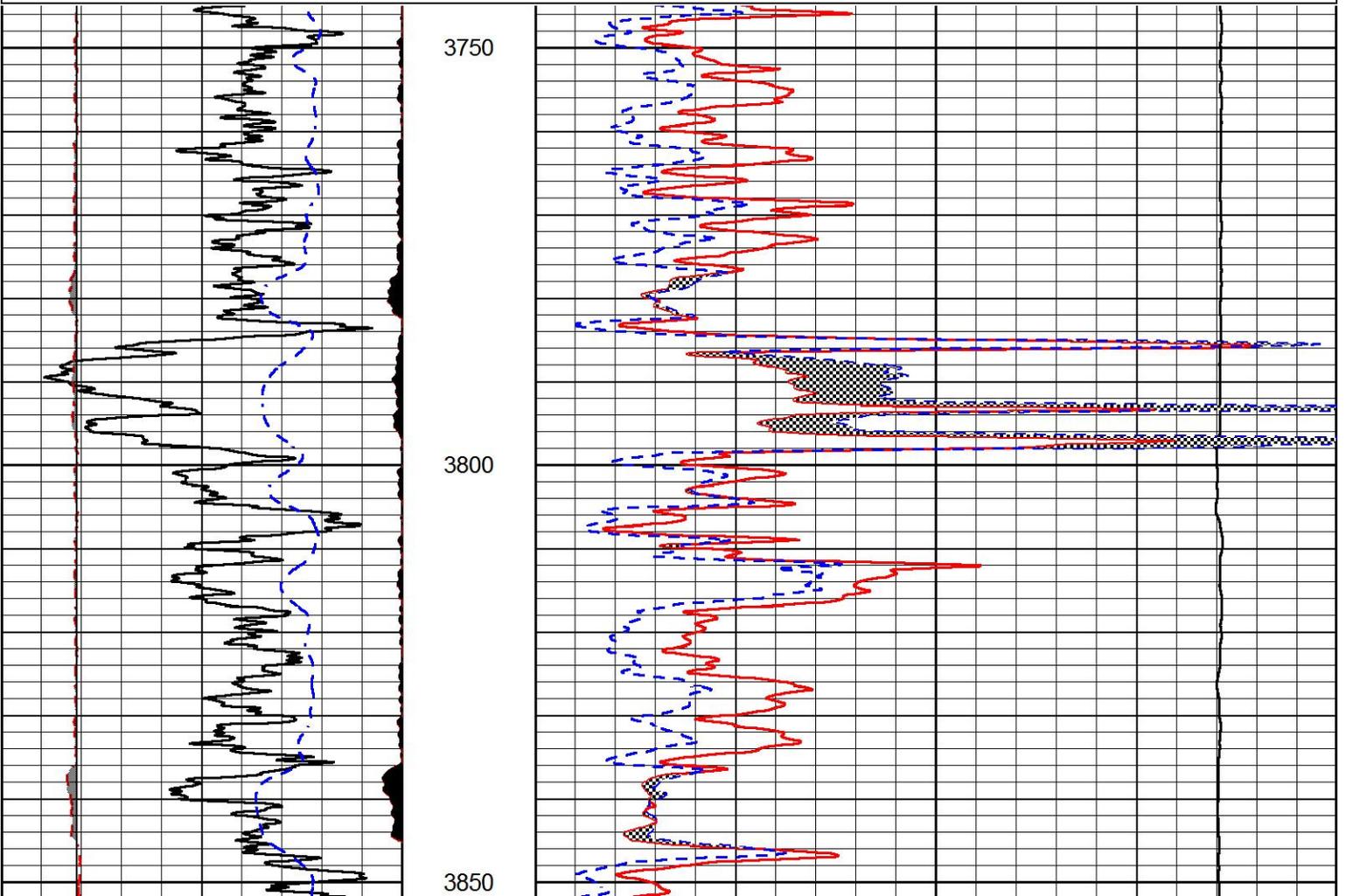
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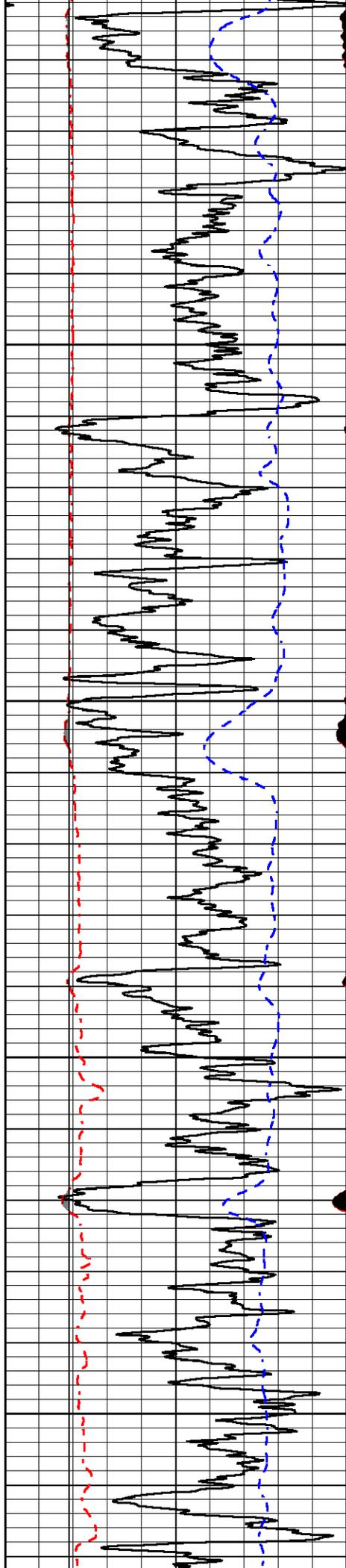
### MAIN PASS

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

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

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



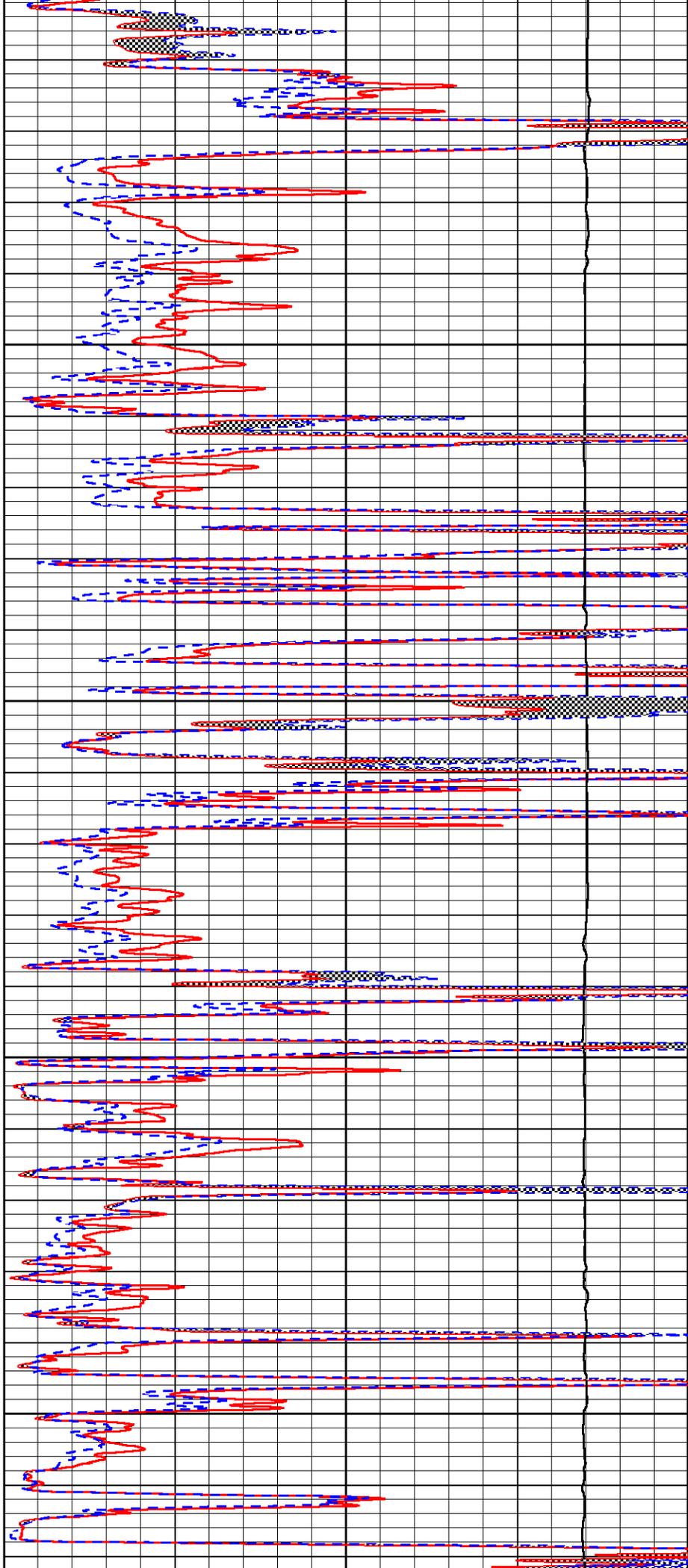


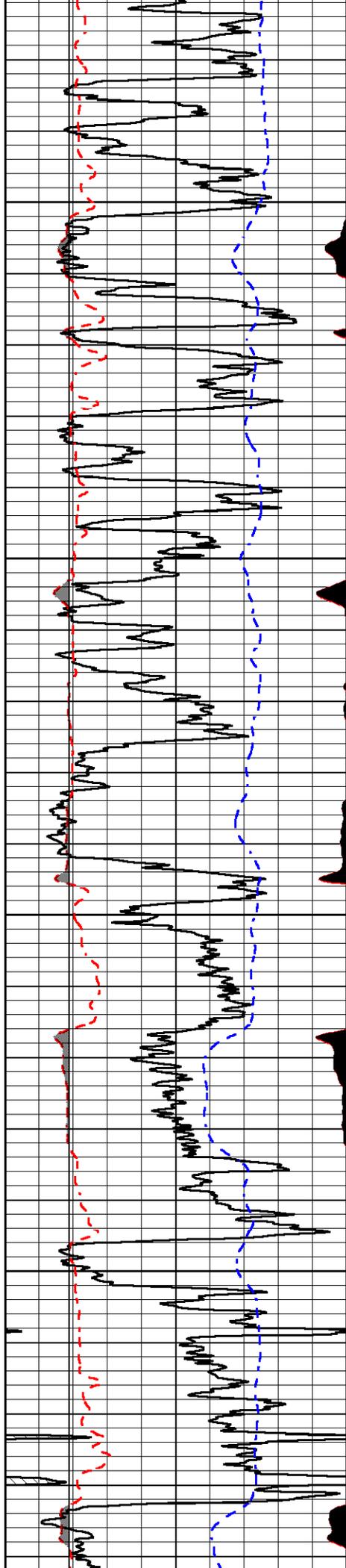
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3950

4000

4050



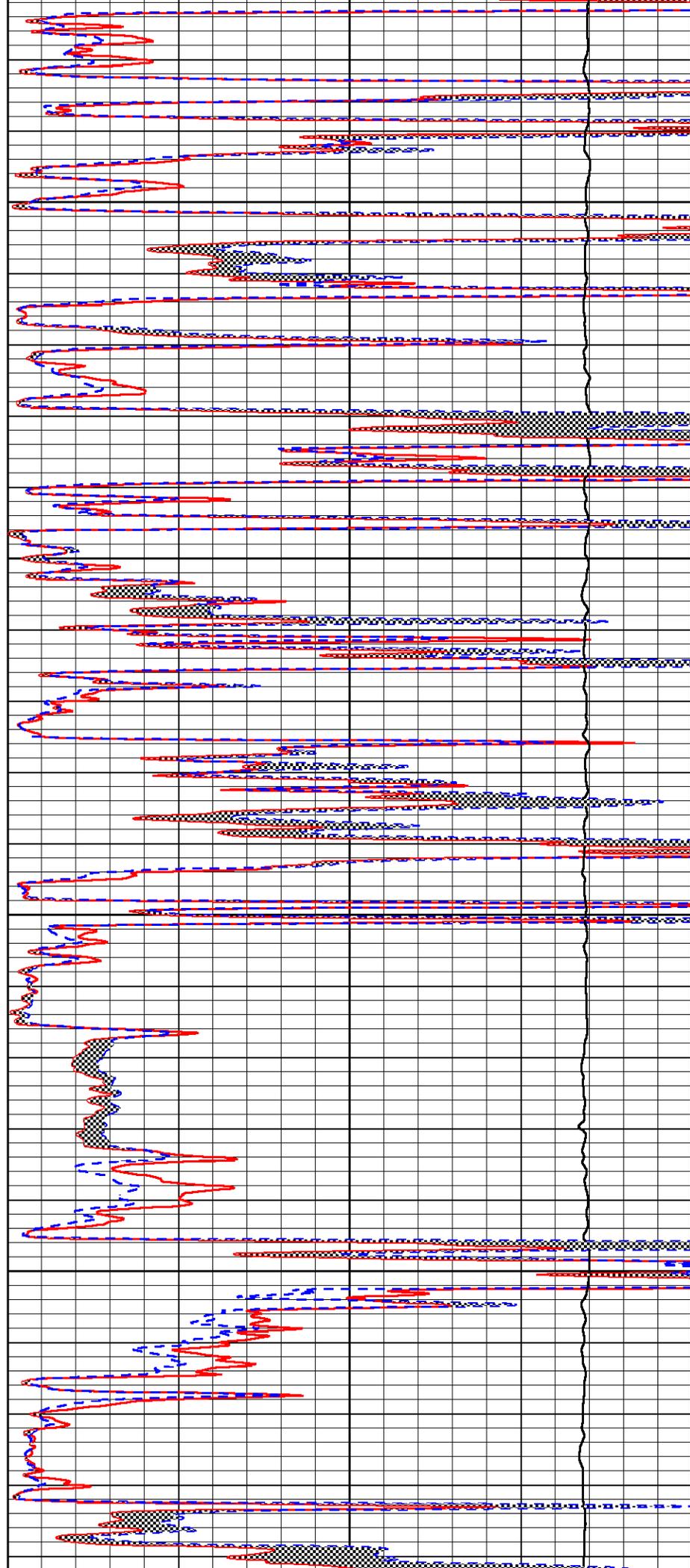


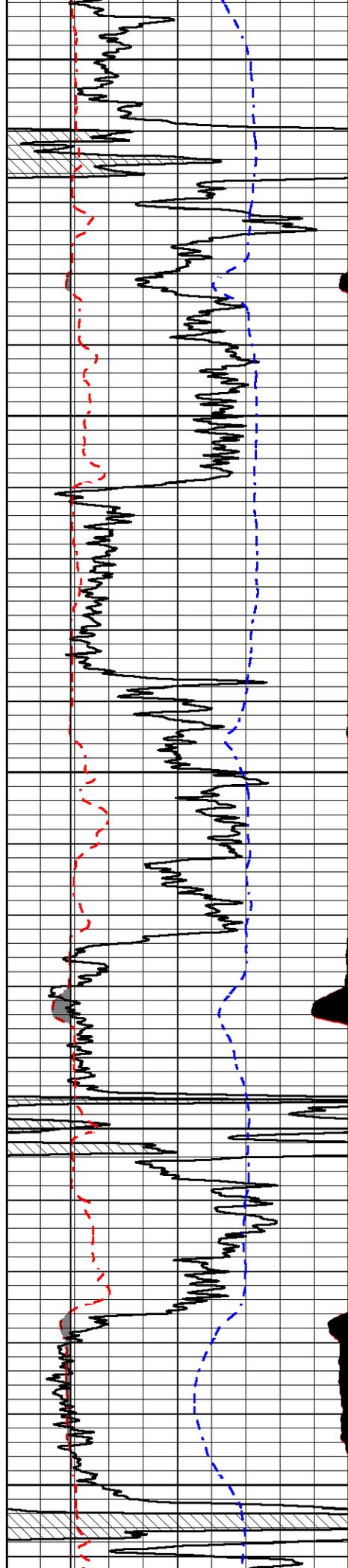
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4200

4250





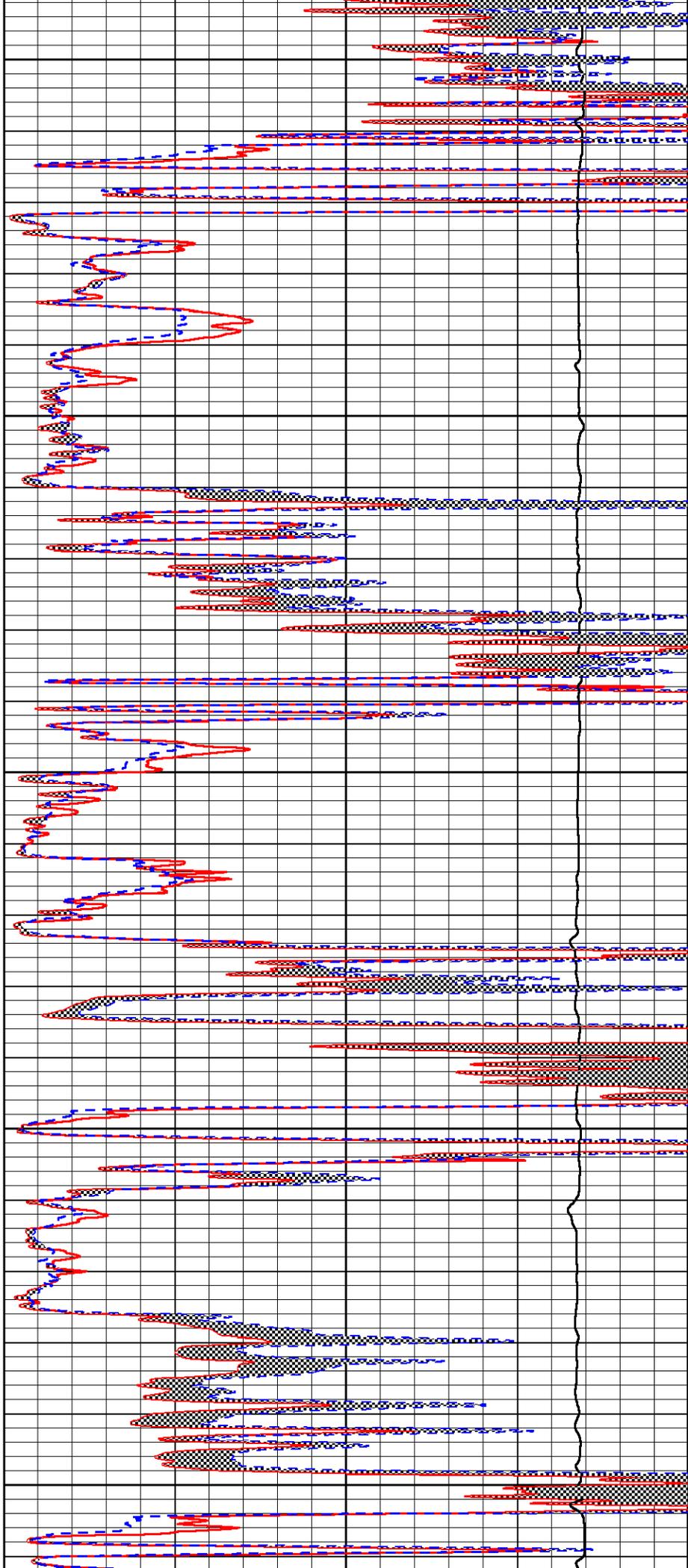
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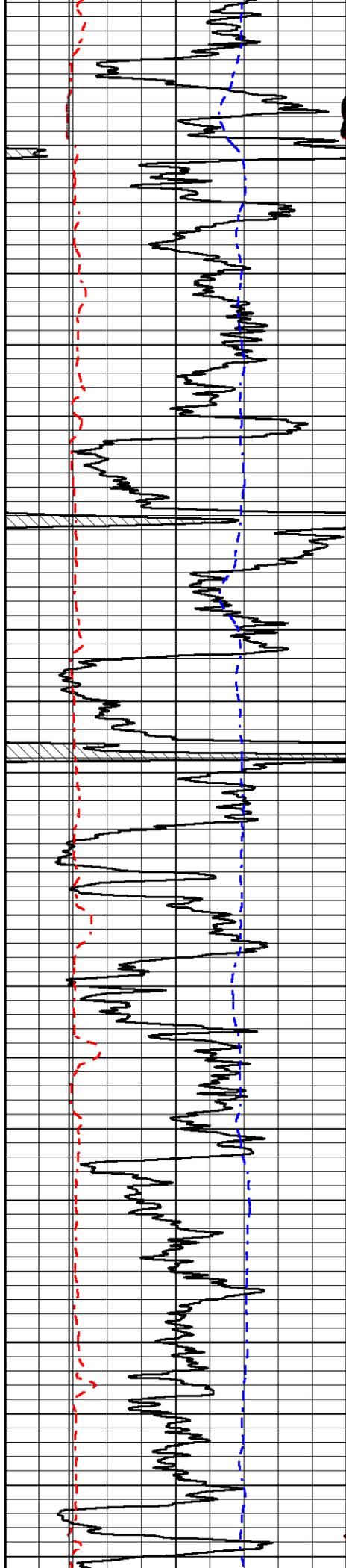
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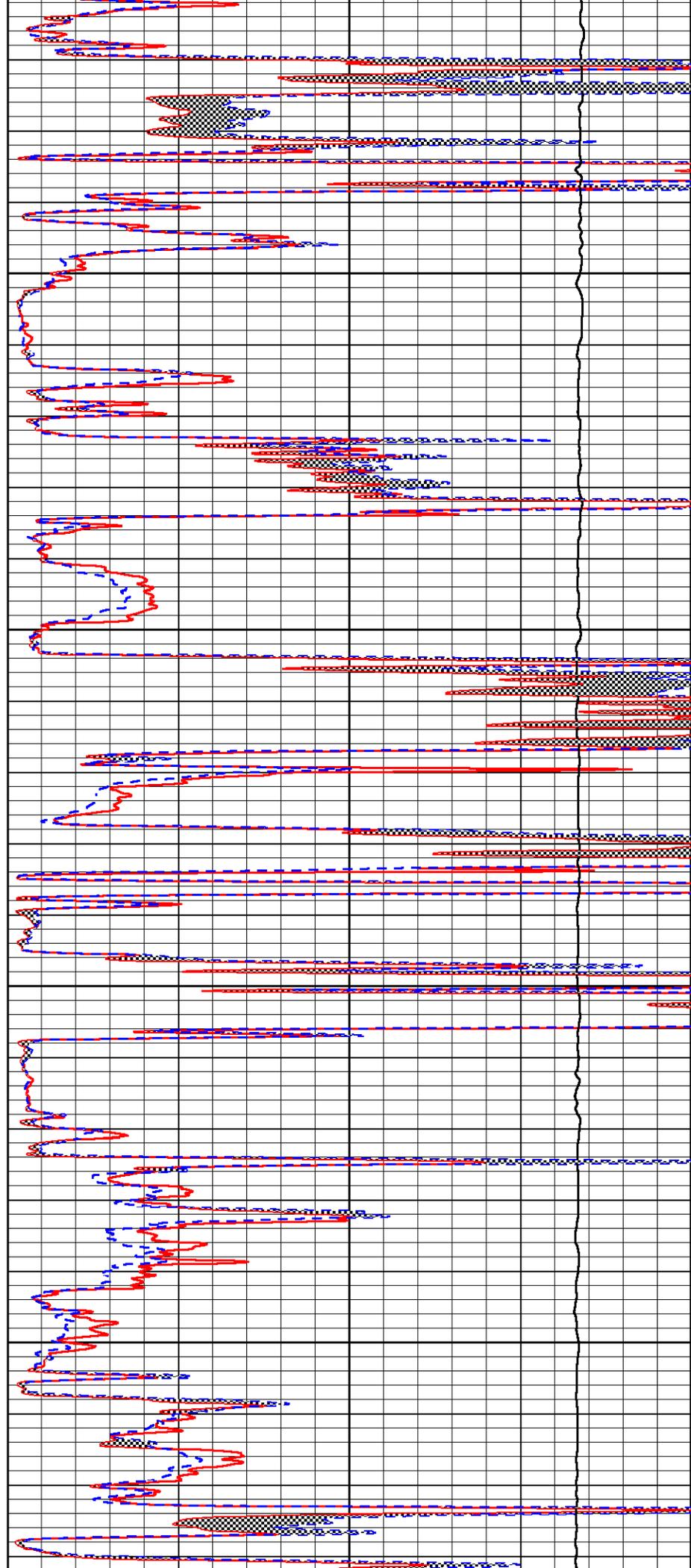


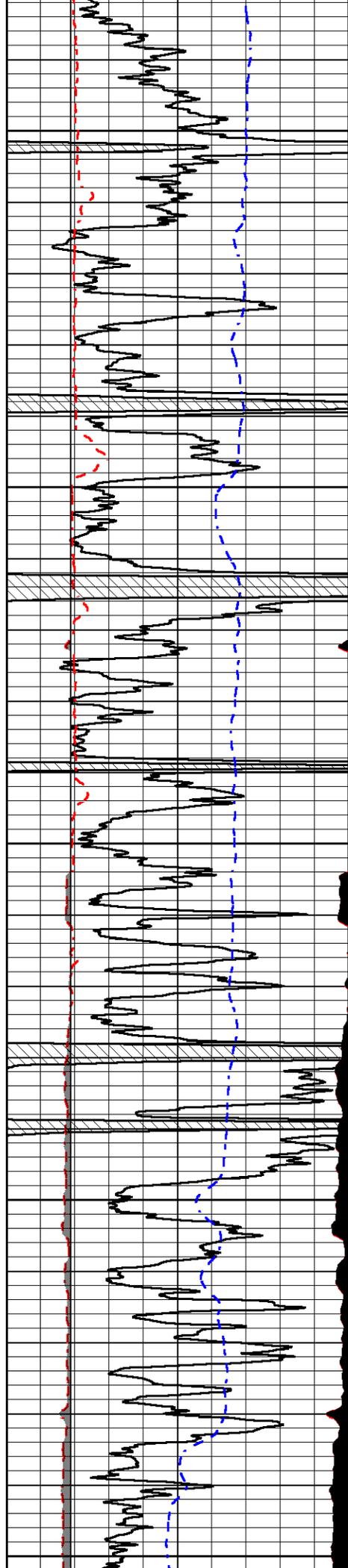
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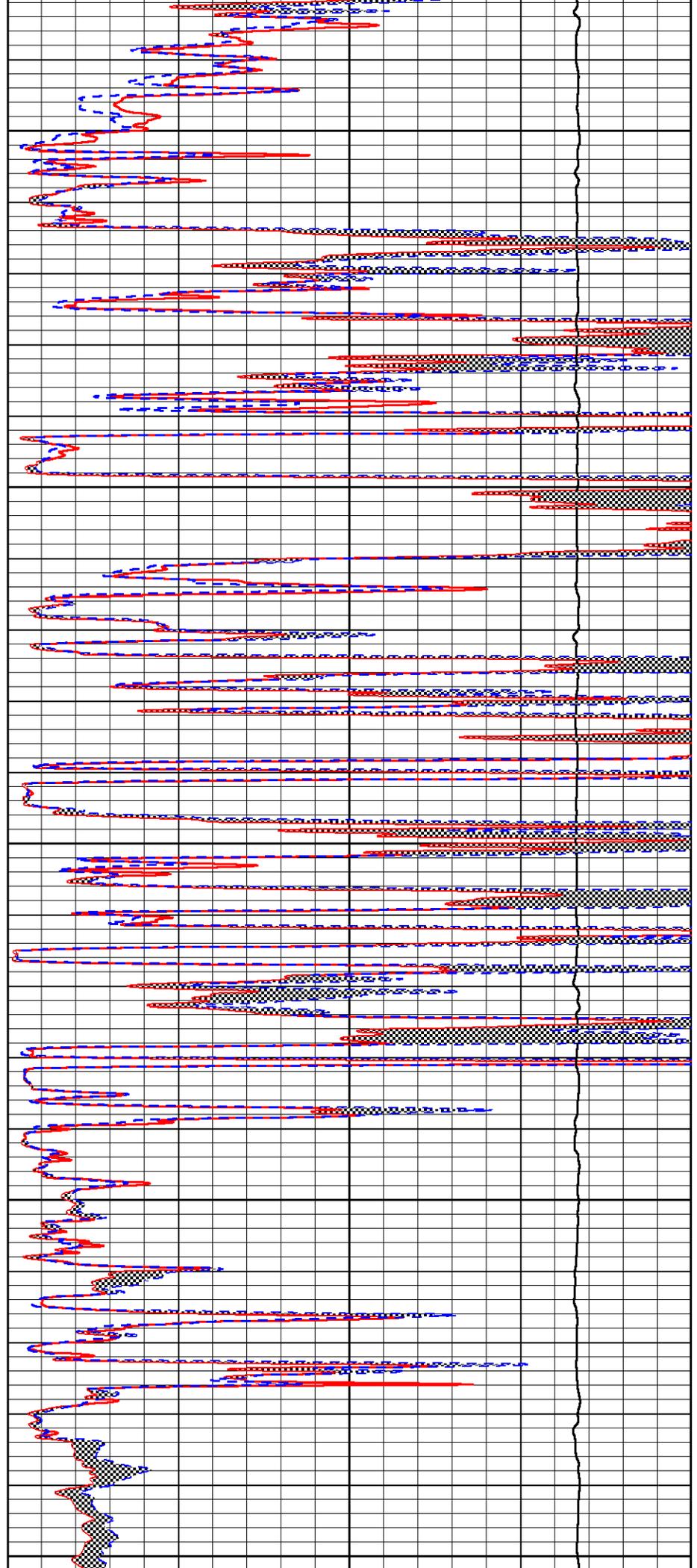
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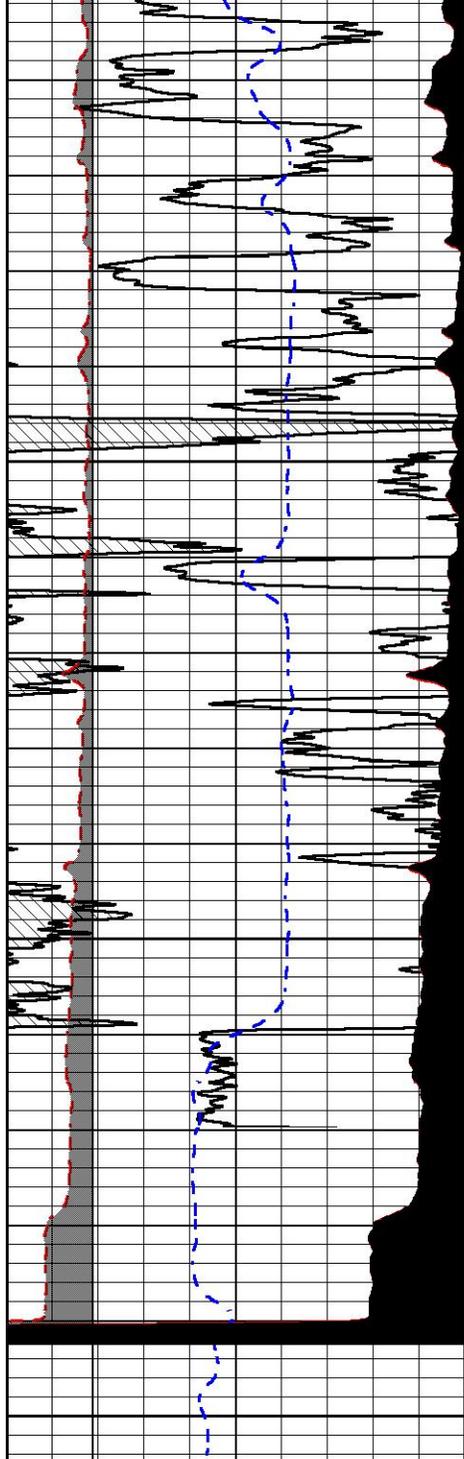
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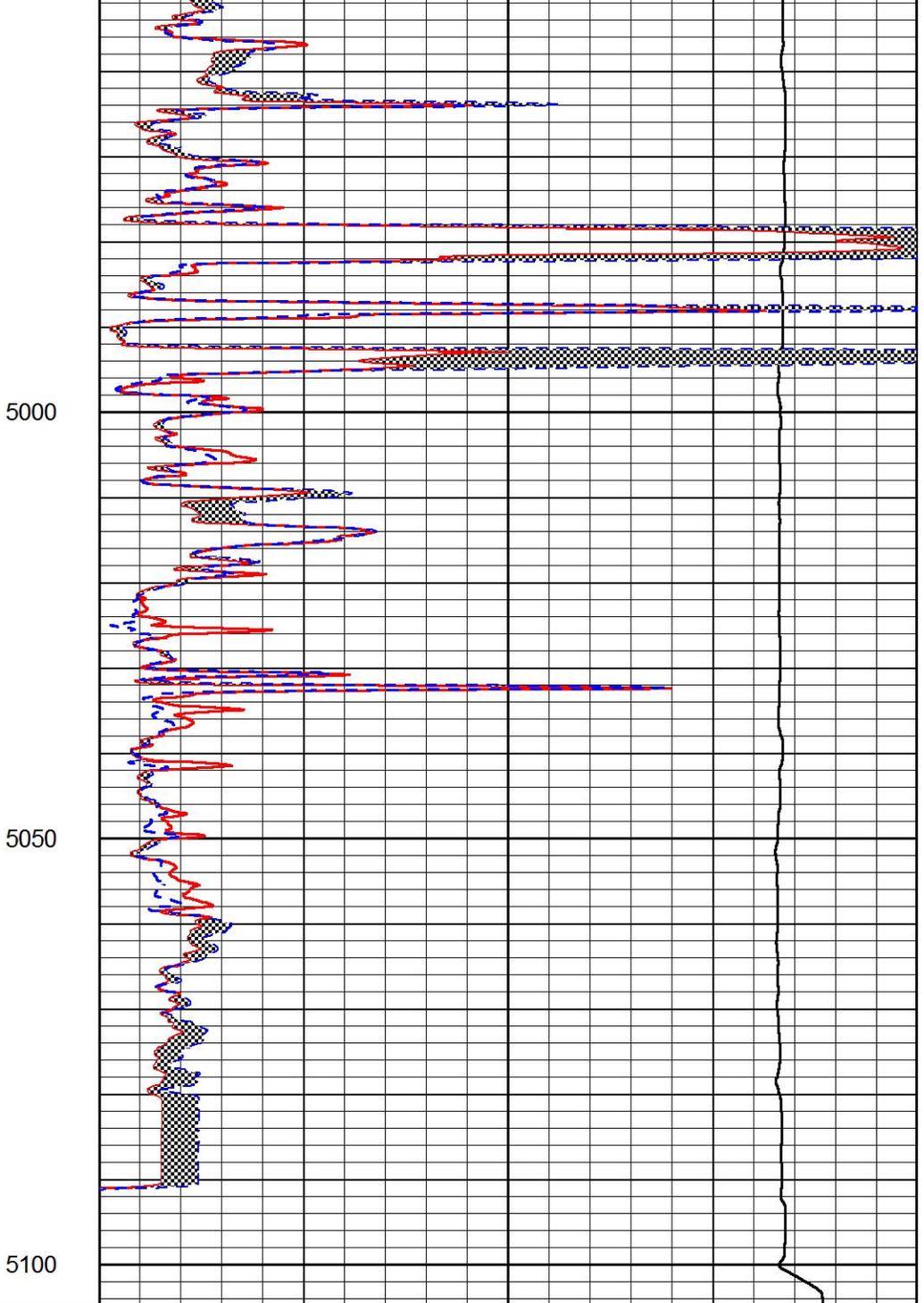
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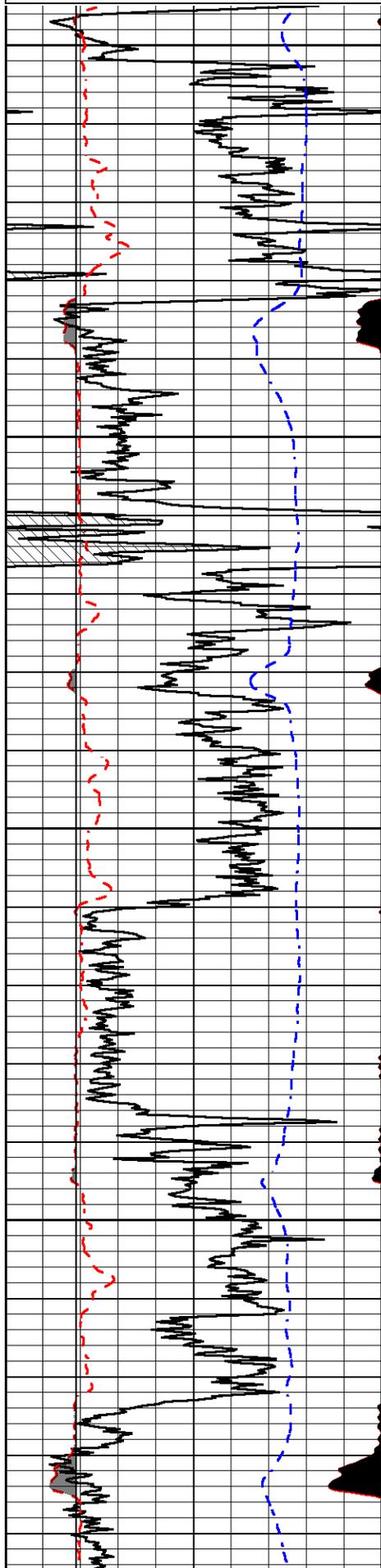
## REPEAT SECTION

REPEAT PASS

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

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15000	LINE TENSION (lb)	0

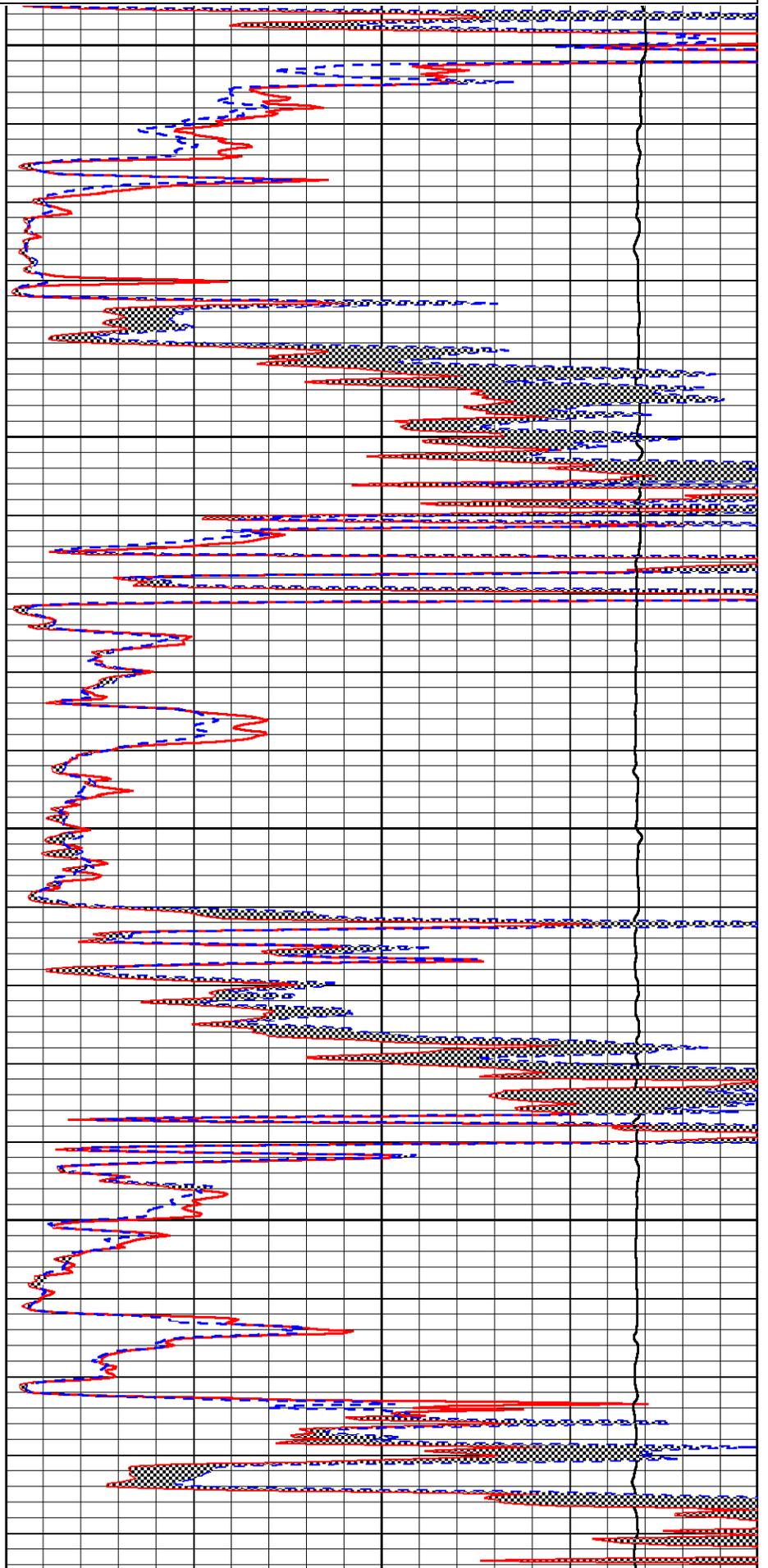


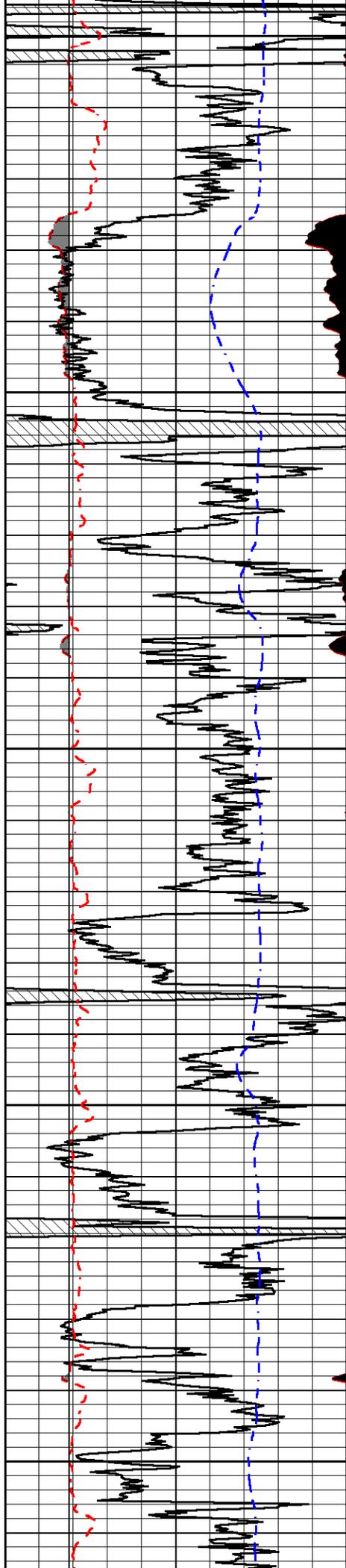
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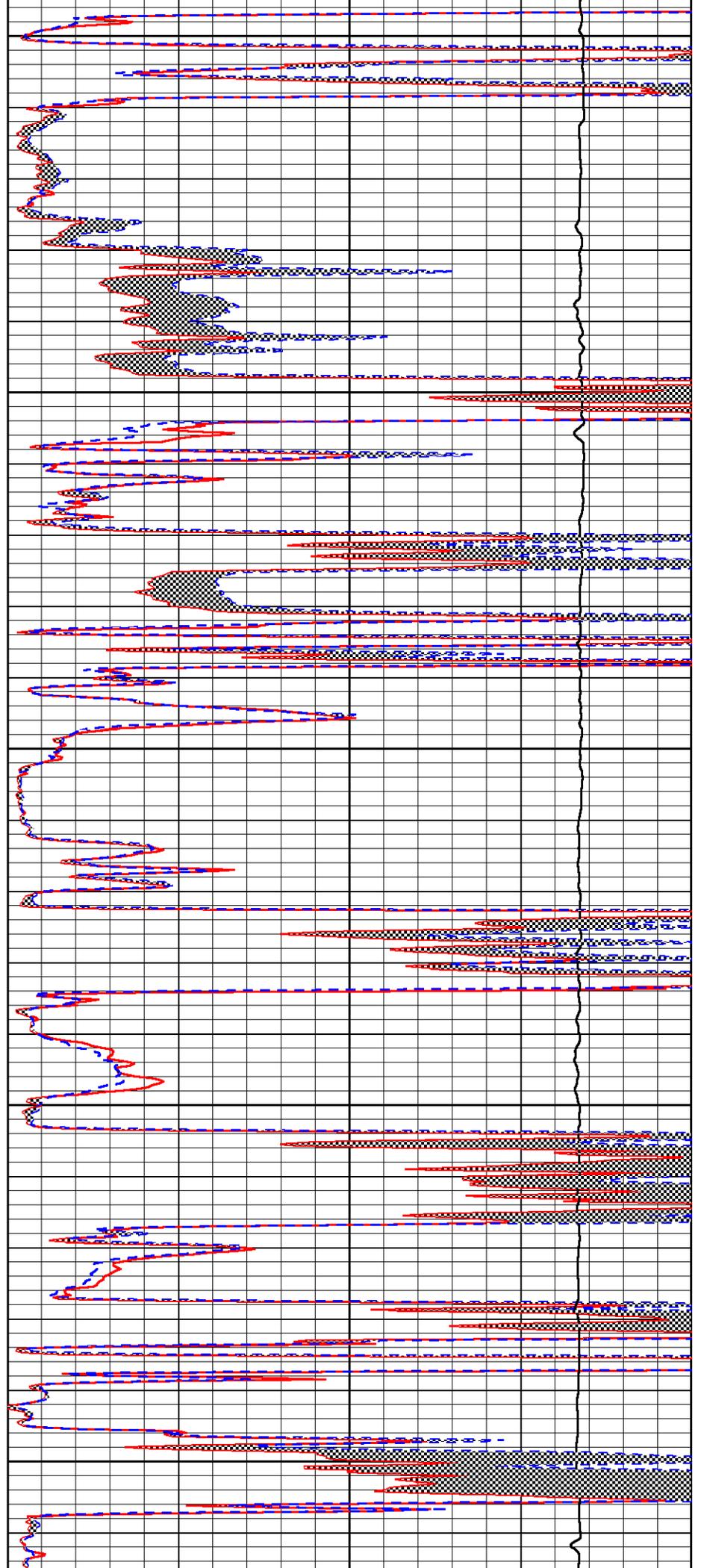
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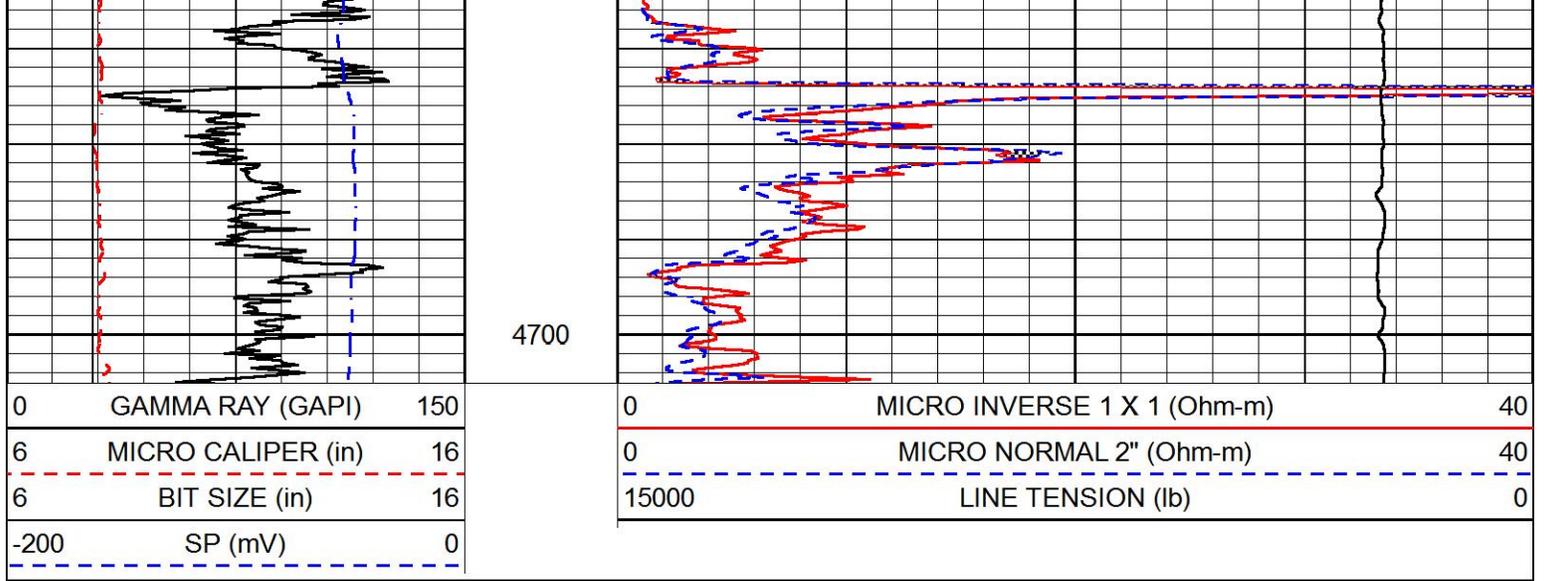
4500

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