

MIDWEST WIRELINE

MICRORESISTIVITY LOG

CompanyGriffin Management, LLC	
Well	Kay #1
Field	Unknown
County	Pratt
State	Kansas
Company Griffin Management, LLC	
Well	Kay #1
Field	Unknown
County	Pratt
State	Kansas
Location:	API # : 15-151-22525-00-00
Permanent Datum	SEC 32 TWP 29S RGE 15W
Log Measured From	Ground Level
Drilling Measured From	Kelly Bushing
	Elevation 2013'
	Other Services
	CNL/CDL
	DIL
	Elevation
	K.B. 2024'
	D.F. N/A
	G.L. 2013'
Date	2/23/2021
Run Number	One
Depth Driller	4860'
Depth Logger	4862'
Bottom Logged Interval	4861'
Top Log Interval	2800'
Casing Driller	8.625" @ 260'
Casing Logger	262'
Bit Size	7.875"
Type Fluid in Hole	Chemical
Salinity ,ppm CL	4400
Density / Viscosity	9.4 50
pH / Fluid Loss	11.0 8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.80 @ 80
Rmf @ Meas. Temp	0.60 @ 80
Rmc @ Meas. Temp	1.08 @ 80
Source of Rmf / Rmc	CHARTS
Rm @ BHT	0.51 @ 125
Operating Rig Time	3 Hours
Max Rec. Temp. F	125
Equipment Number	P-24
Location	HAYS
Recorded By	D. Schmidt
Witnessed By	Charles Griffin
	Eli J. Felts

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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.

Haviland,
East to SW 140th Ave, South to SW 110th St, 1 East,
1/2 South, West into

Log Measured From: Kelly Bushing 11 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: Charles Griffin
Secondary Witness: Eli J. Felts
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58			GR-M&W (233-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73			CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93			CDL-M&W (817-947)	8.50	4.00	250.00
ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics					7.58	4.00	65.00
MCAL MI MN	19.83 19.83 19.83						
RLL3F RLL3	15.80 15.80						
CILD	8.00			DIL-PSI HIGH TEMP (952-828)	18.50	3.50	220.00
CILM	4.70						
SP	0.20						
Dataset: griffin_kay 1.db: field/well/stkml/pass3.4 Total length: 43.08 ft Total weight: 685.00 lb O.D.: 4.00 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_kay 1.db
Dataset field/well/stkml/pass3.4/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	100	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	230	0		0

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



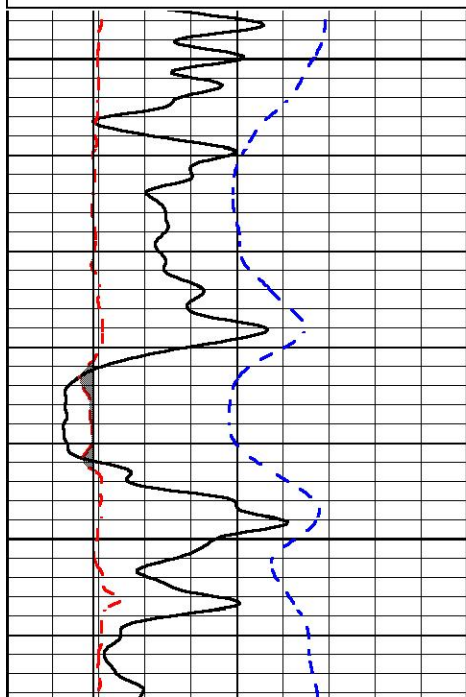
MIDWEST WIRELINE

MAIN PASS

Database File griffin_kay 1.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Tue Feb 23 18:10:04 2021
Charted by Depth in Feet scaled 1:240

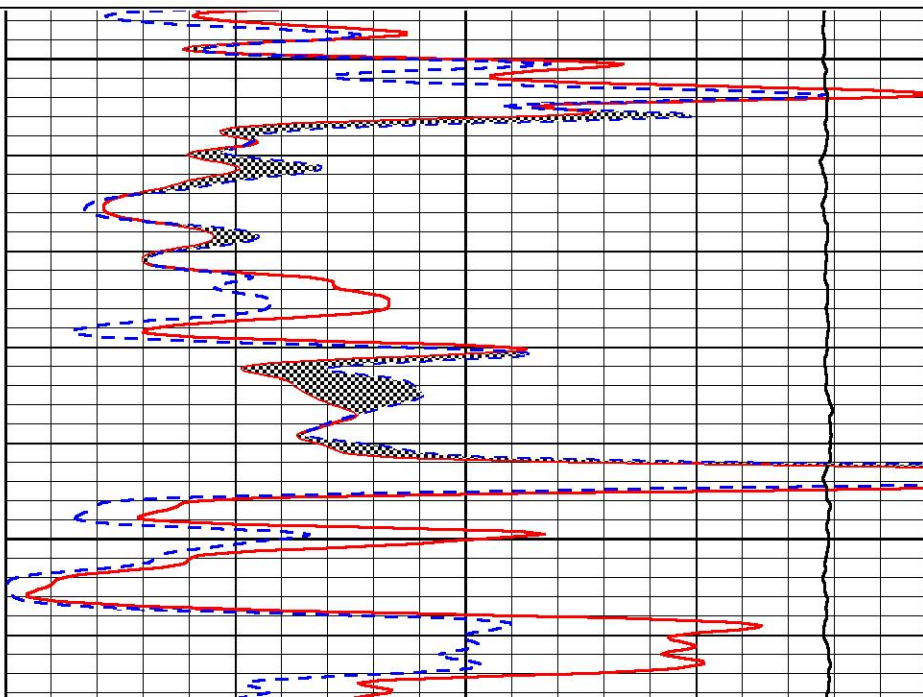
0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-200	sp (mV)	0

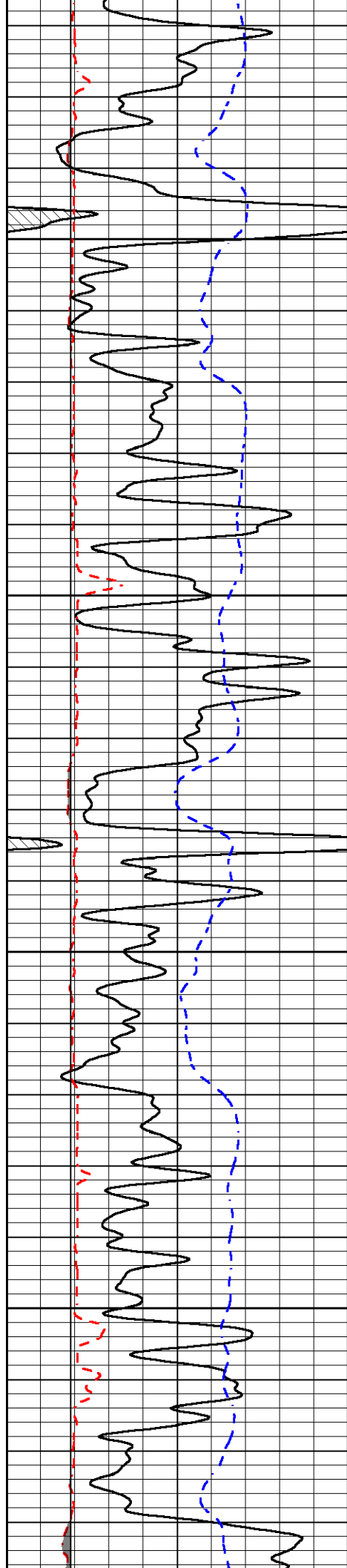
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0



2800

2850



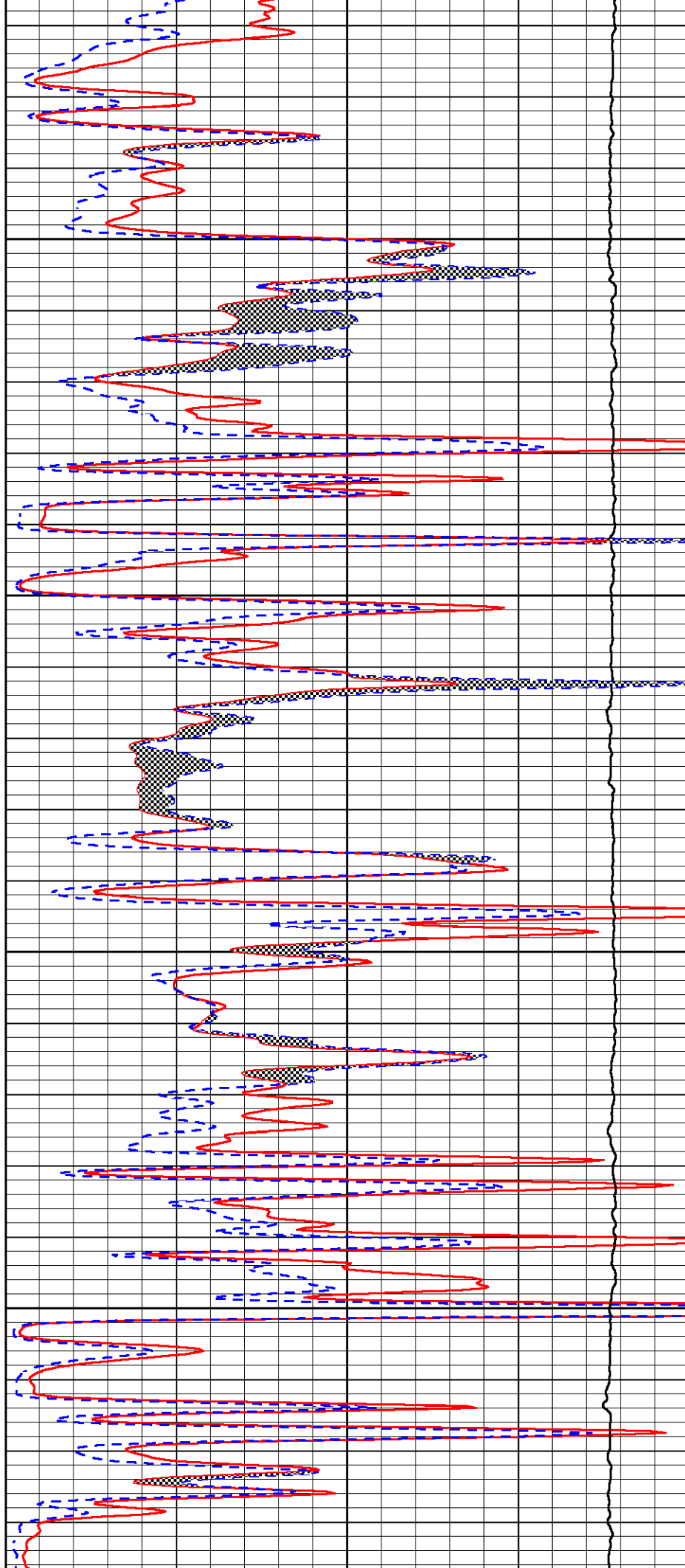


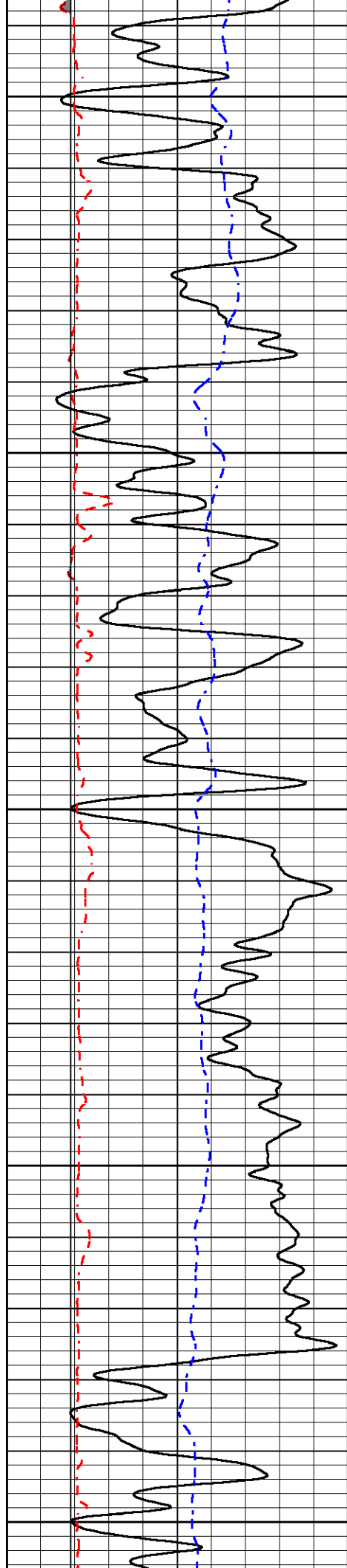
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2950

3000

3050





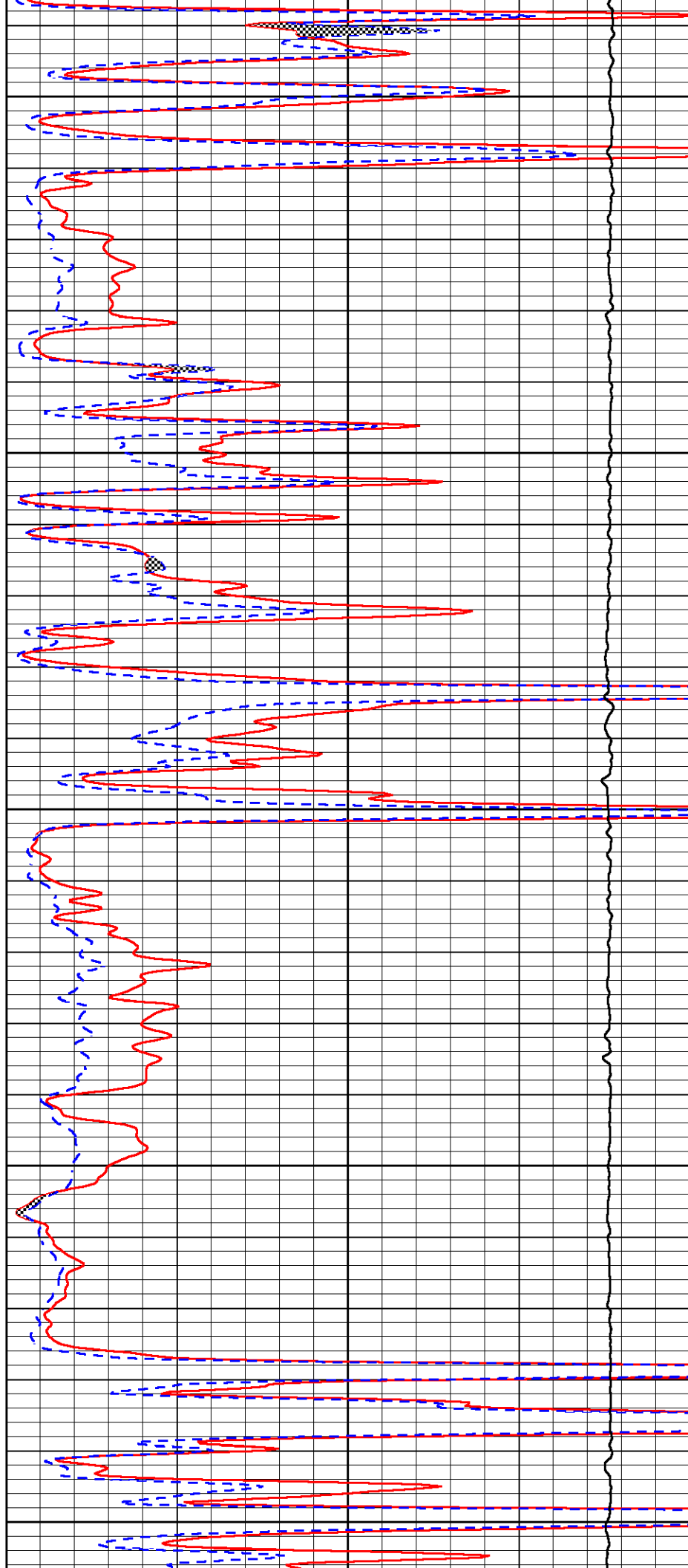
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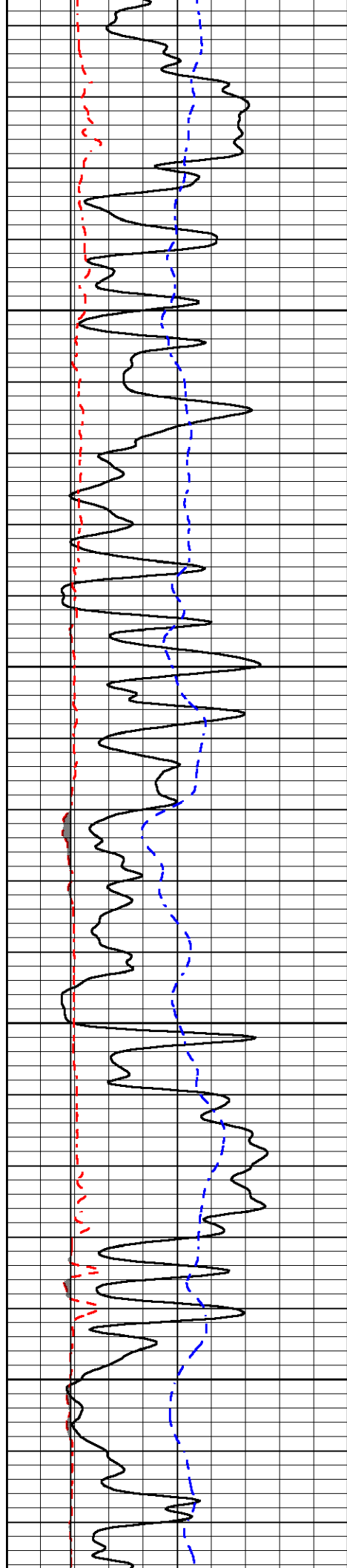
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3200

3250

3300



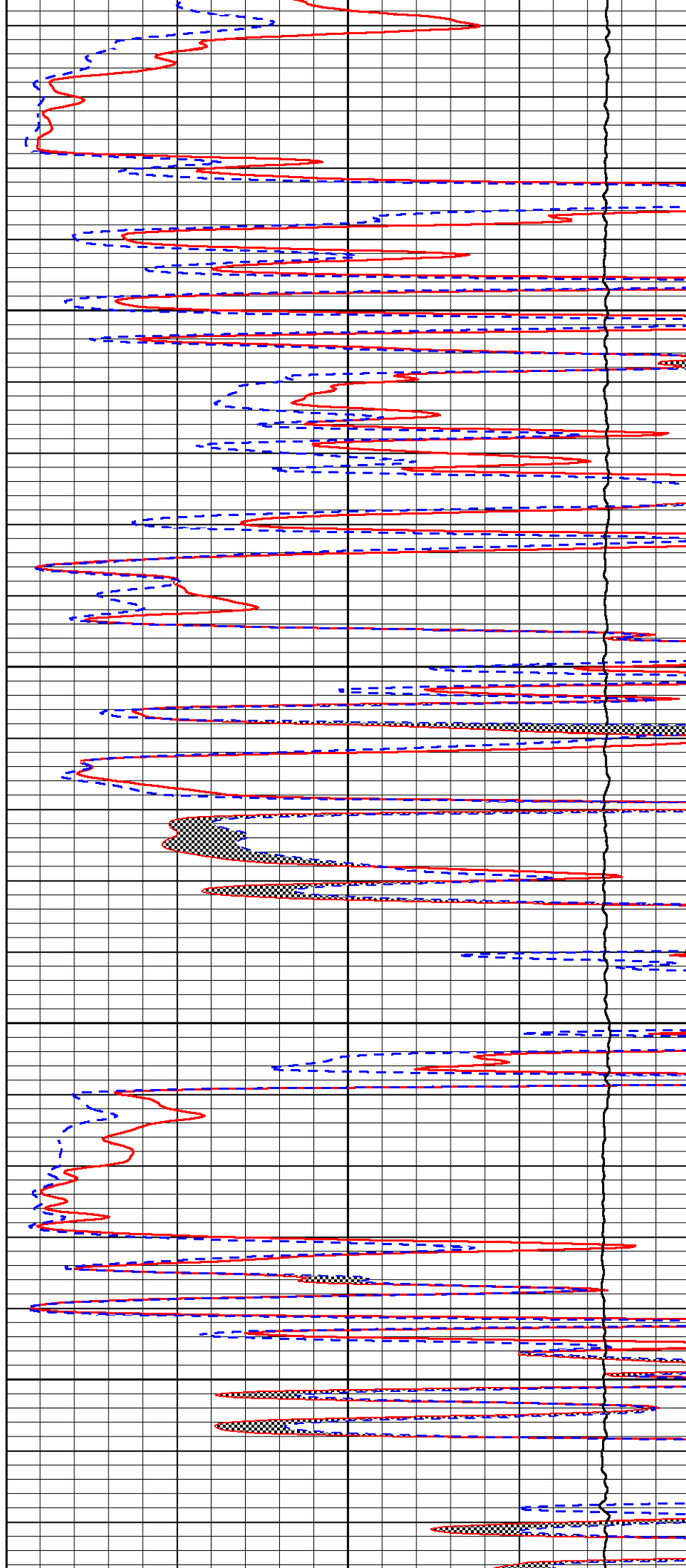


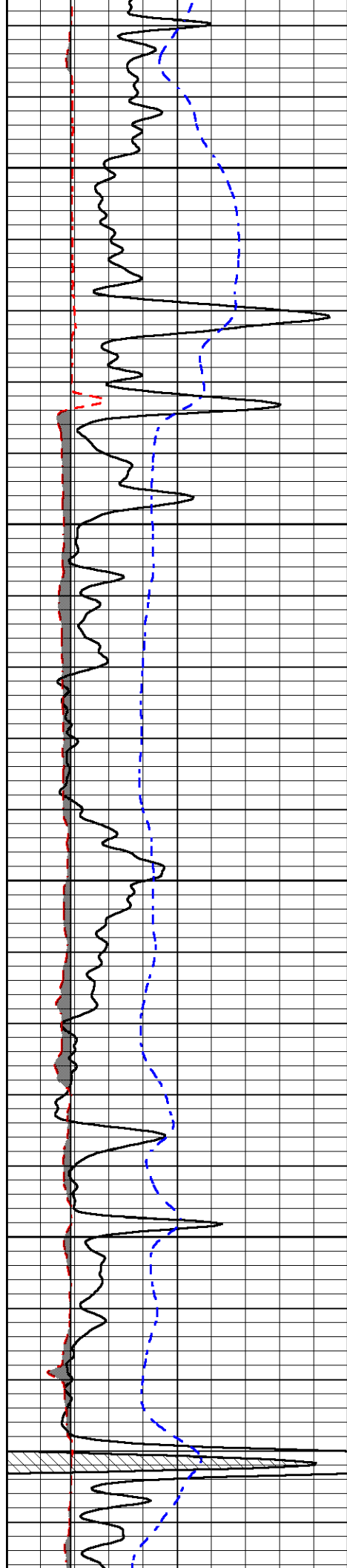
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3500



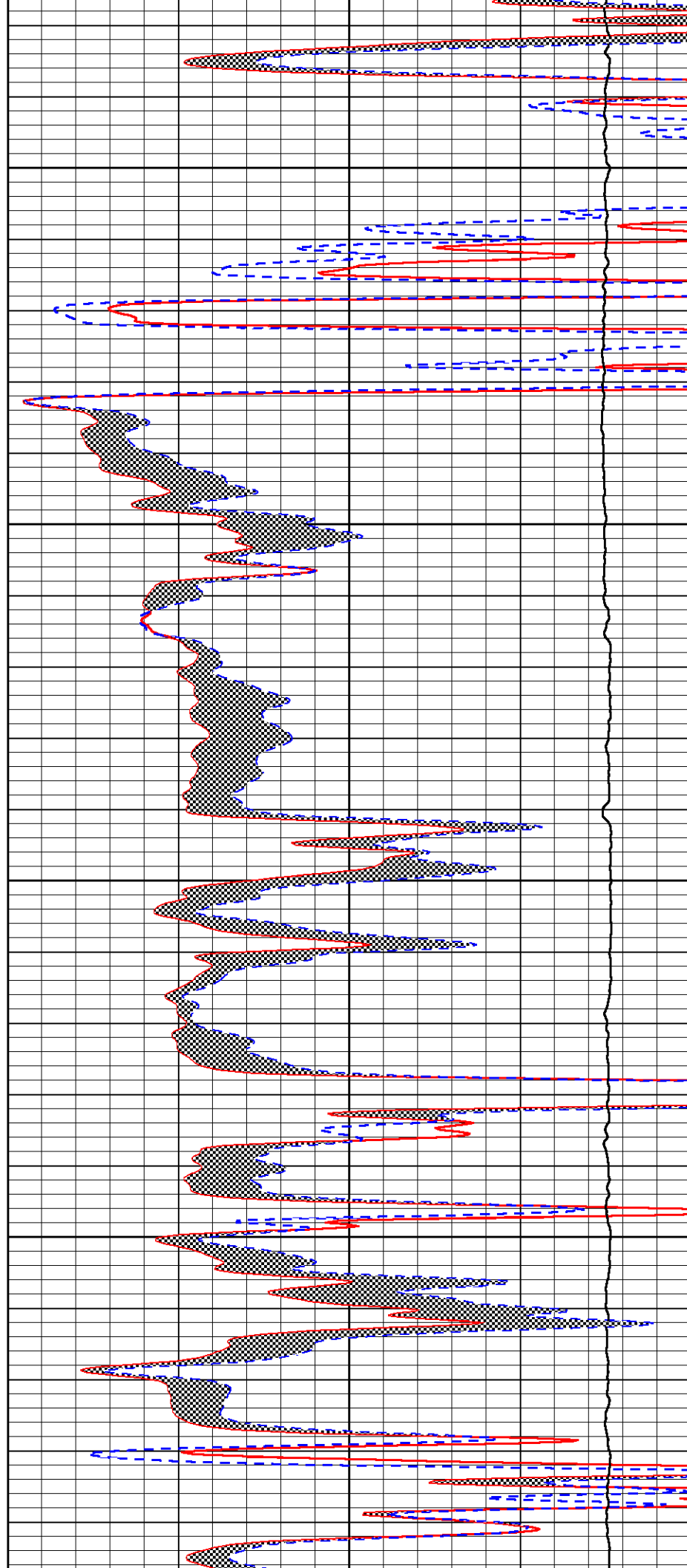


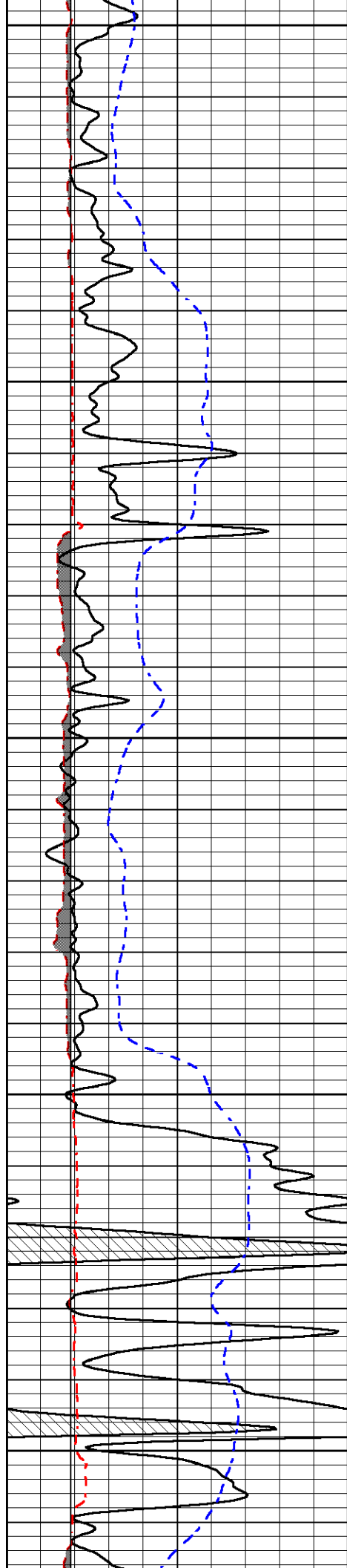
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3700





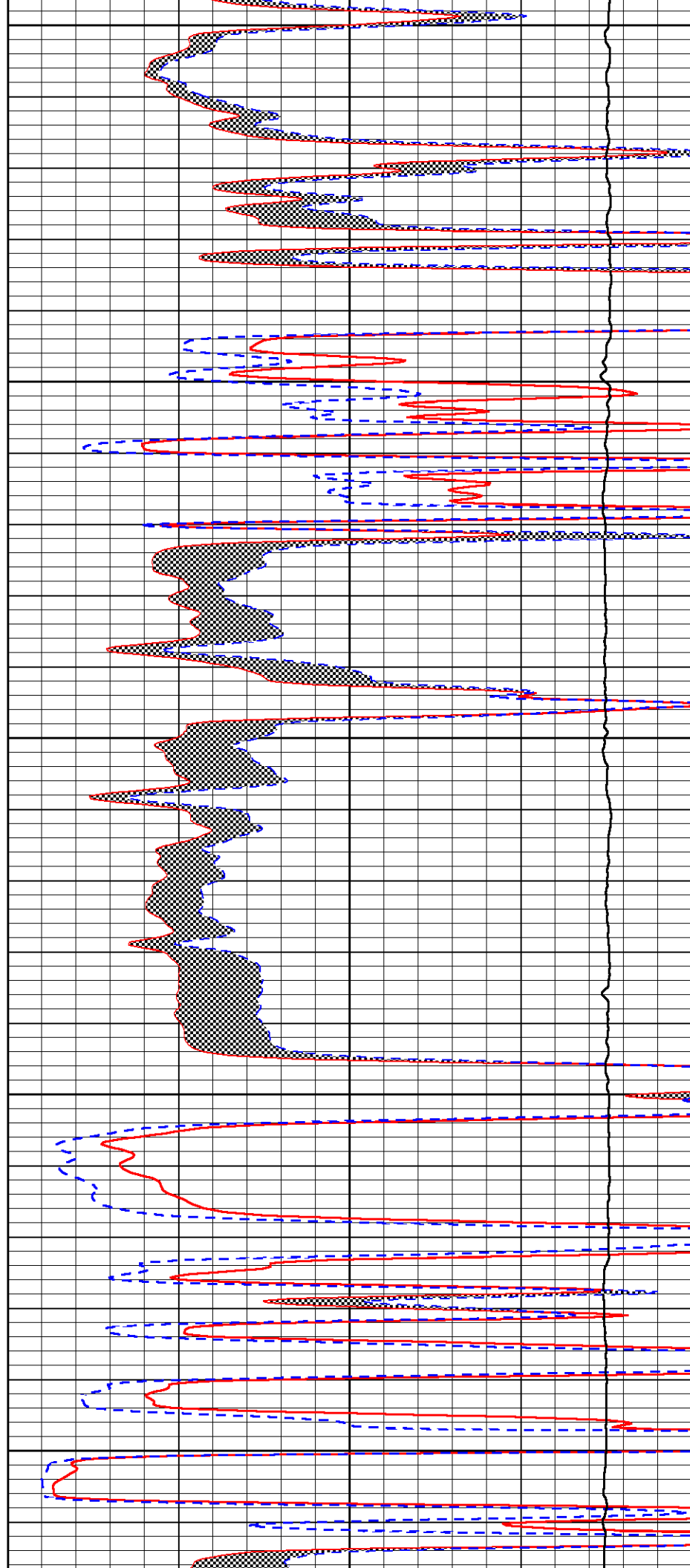
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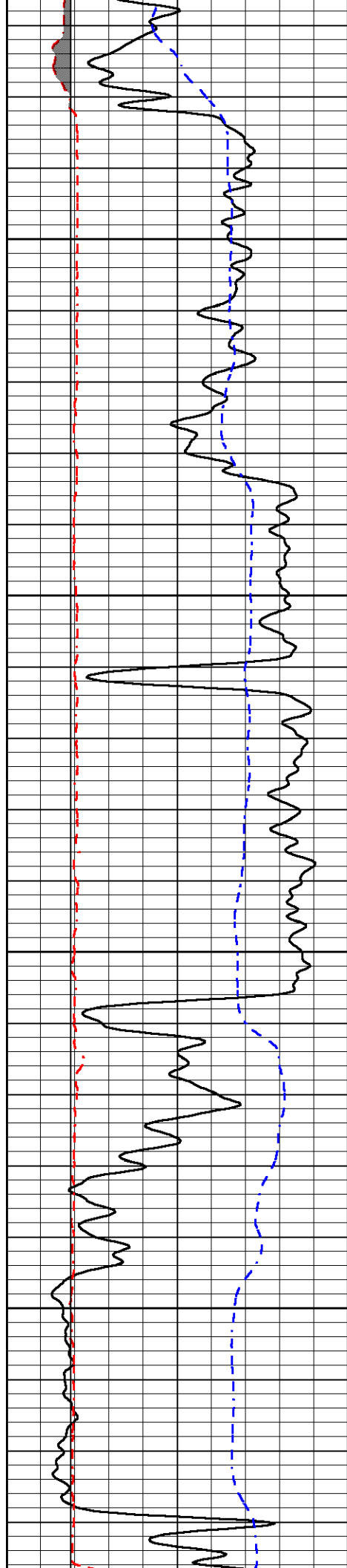
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3850

3900

3950



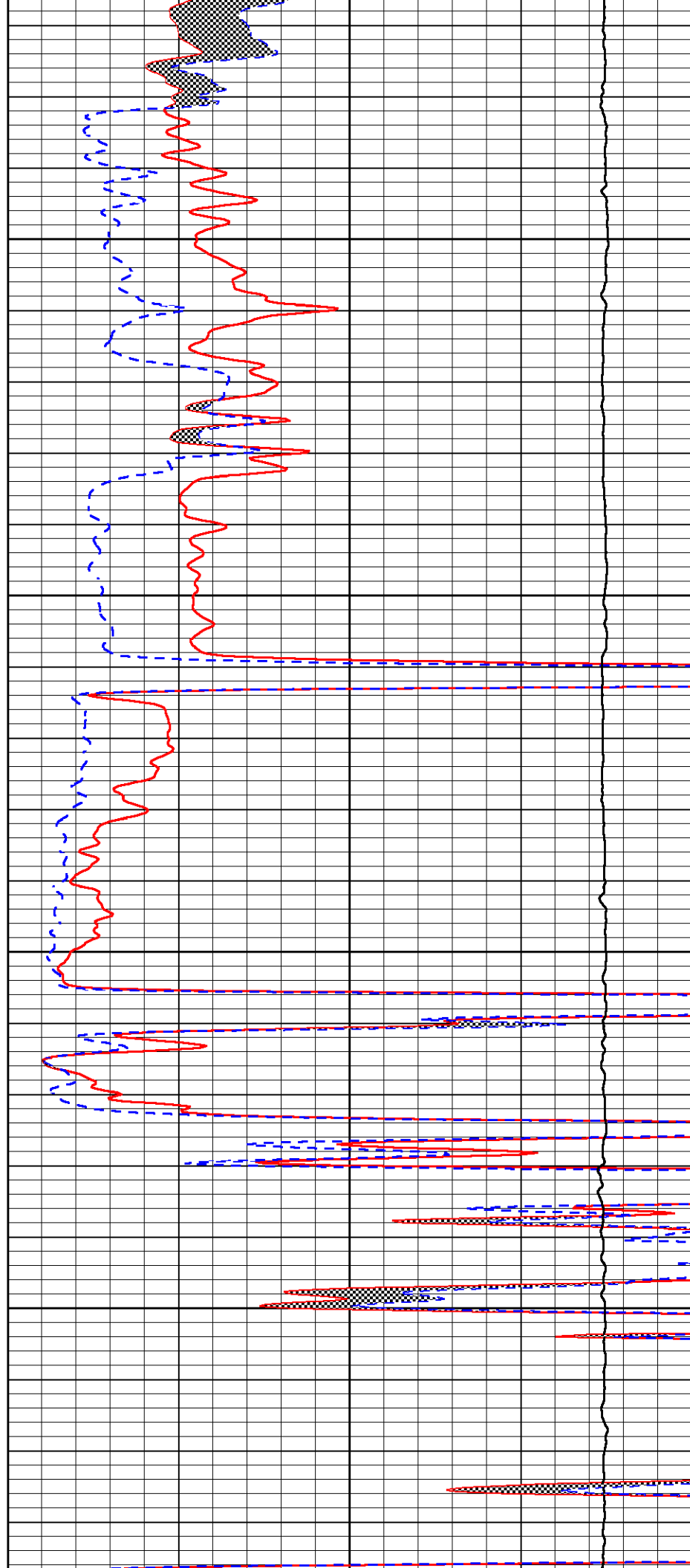


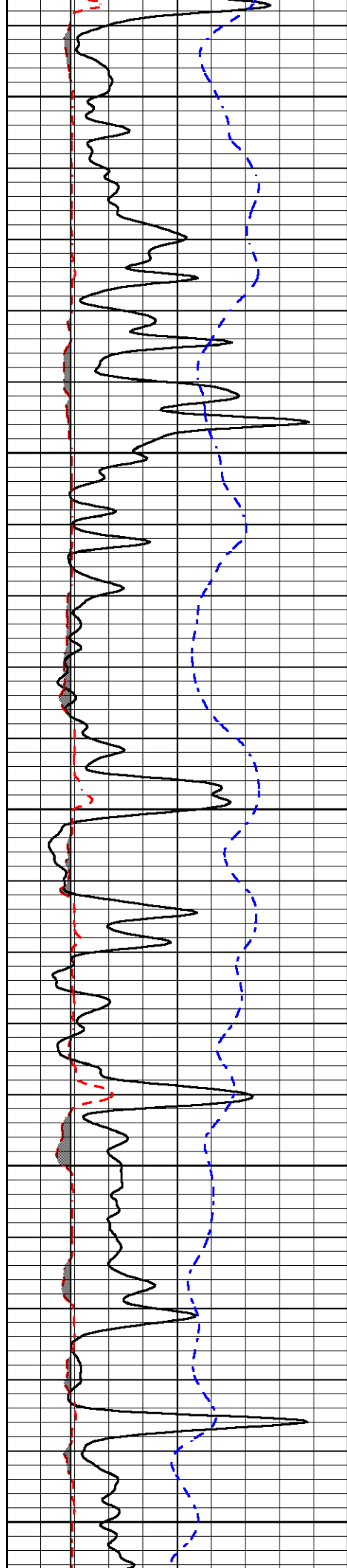
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4050

4100

4150





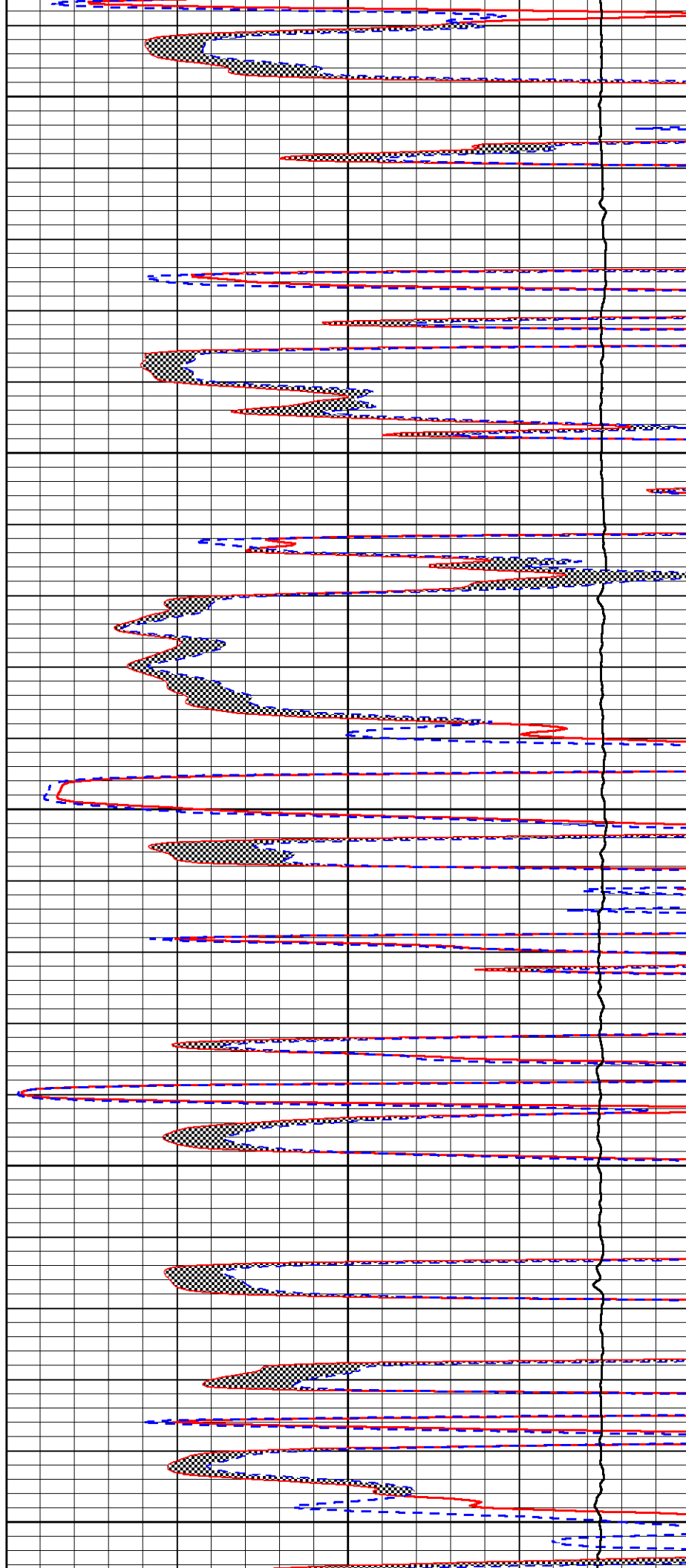
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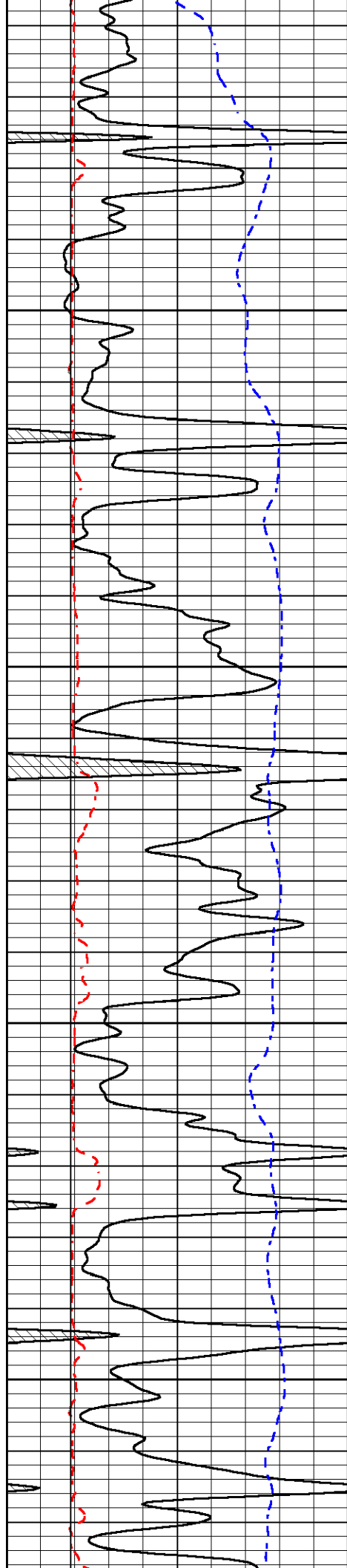
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4300

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4400



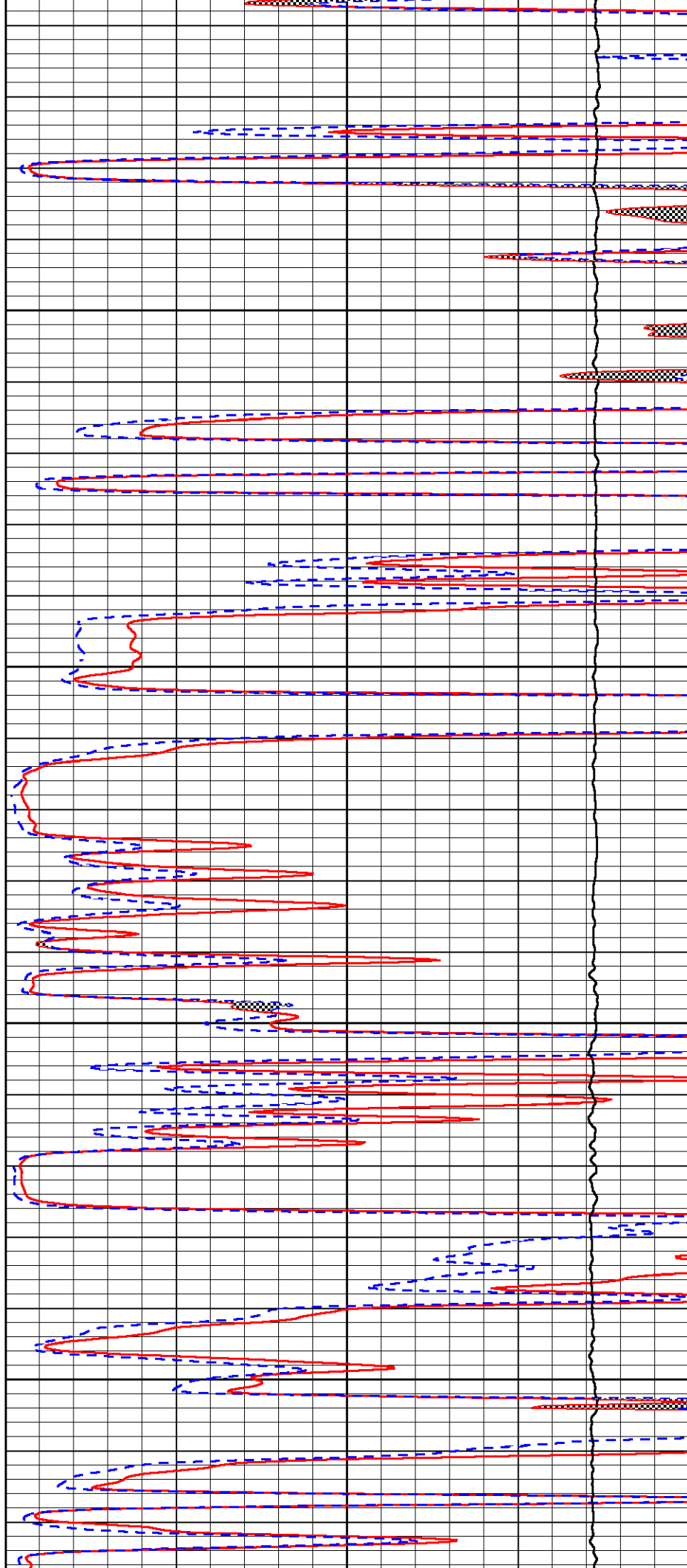


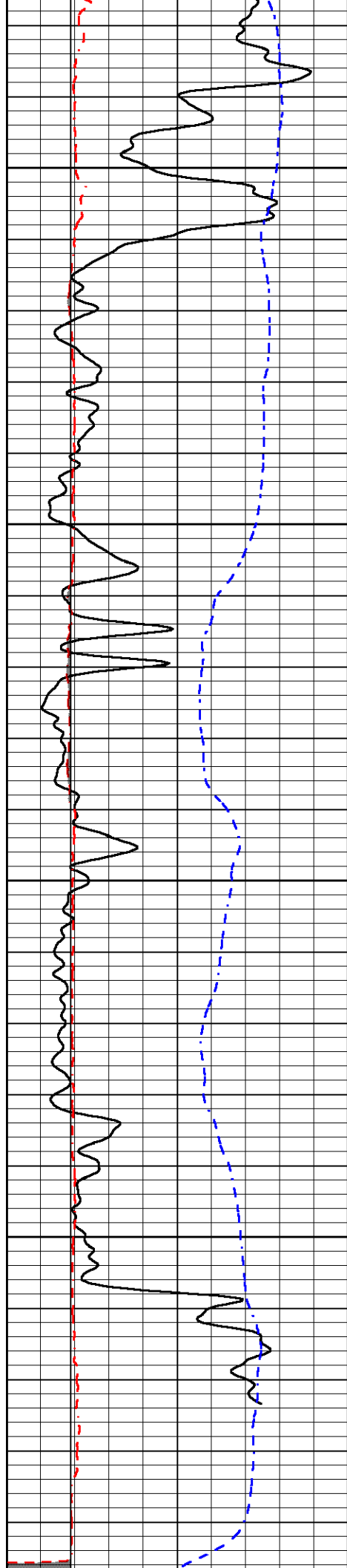
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4500

4550

4600



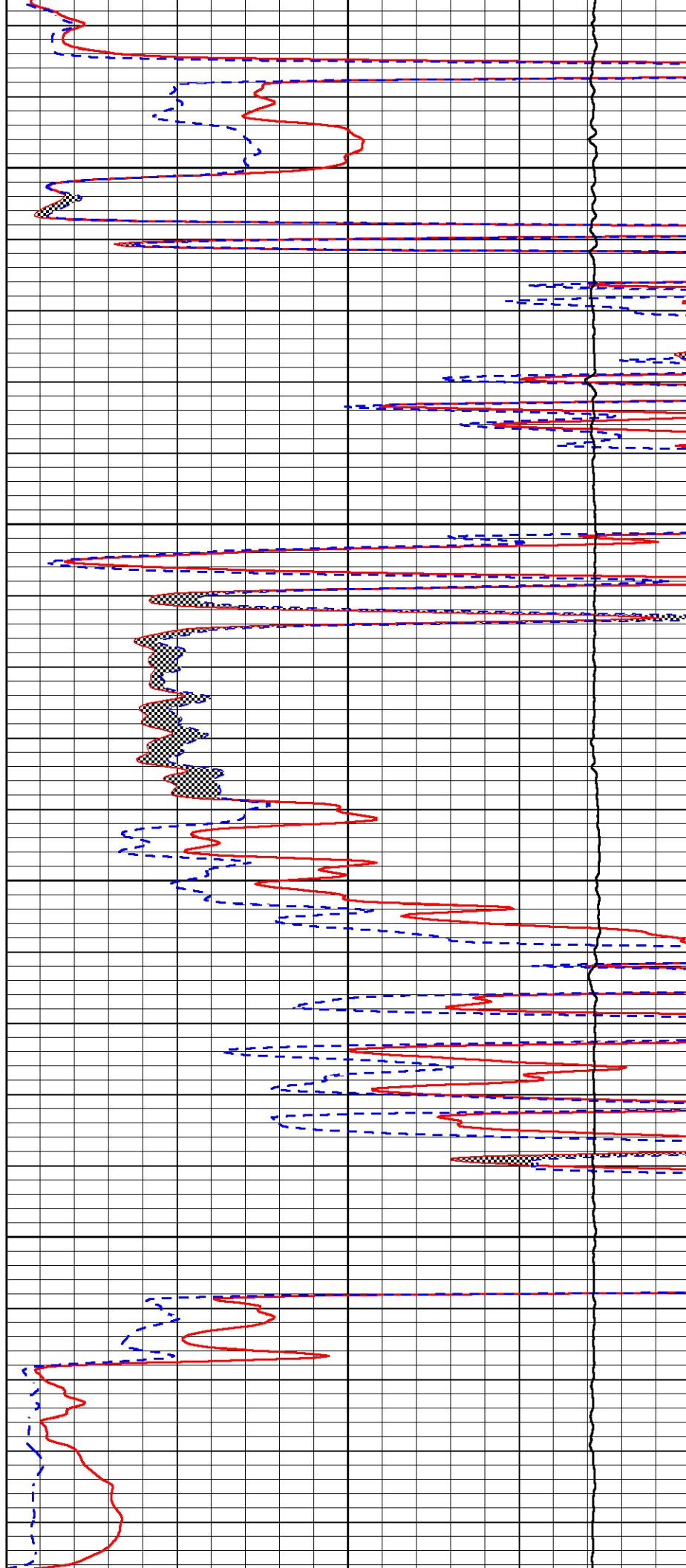


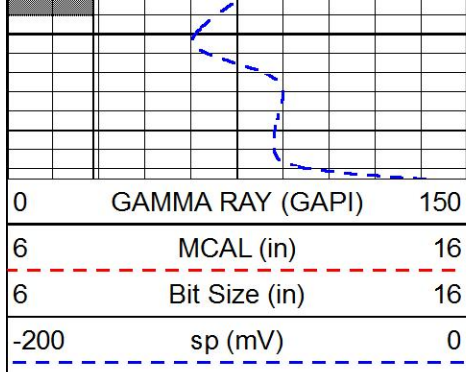
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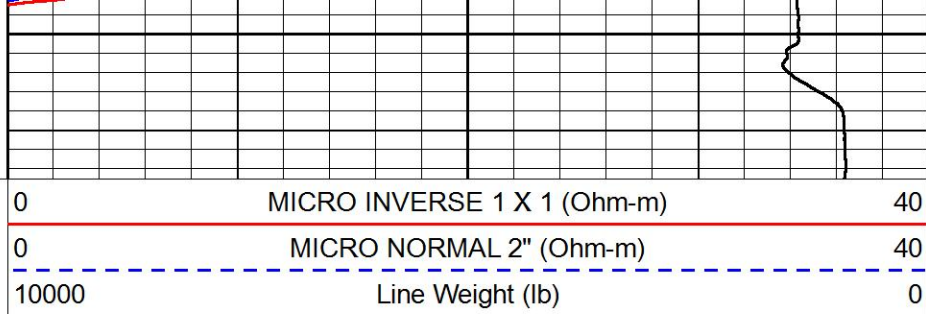
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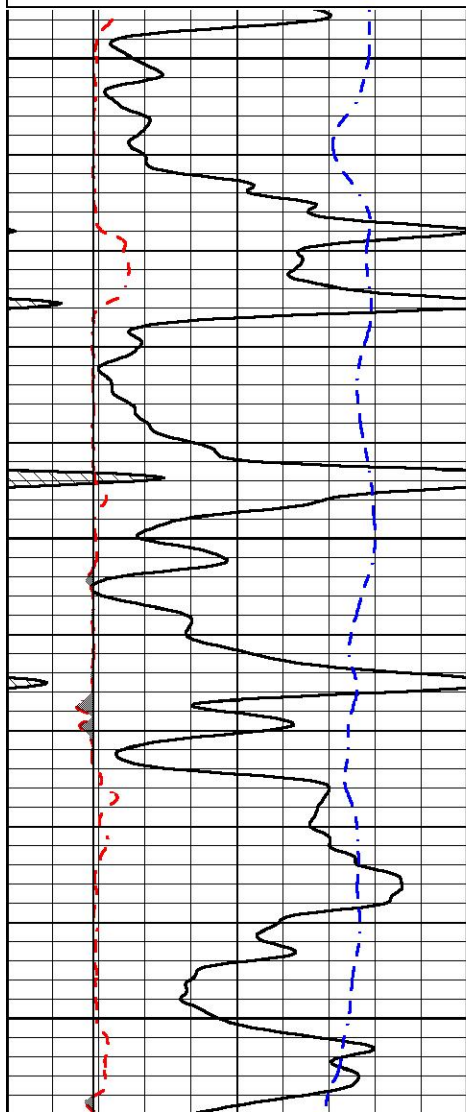
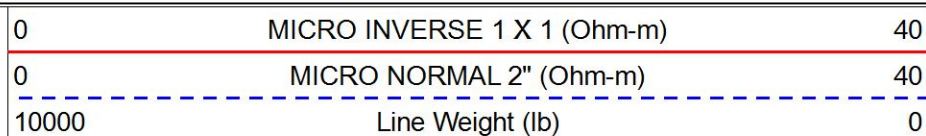
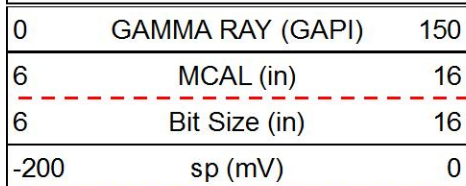
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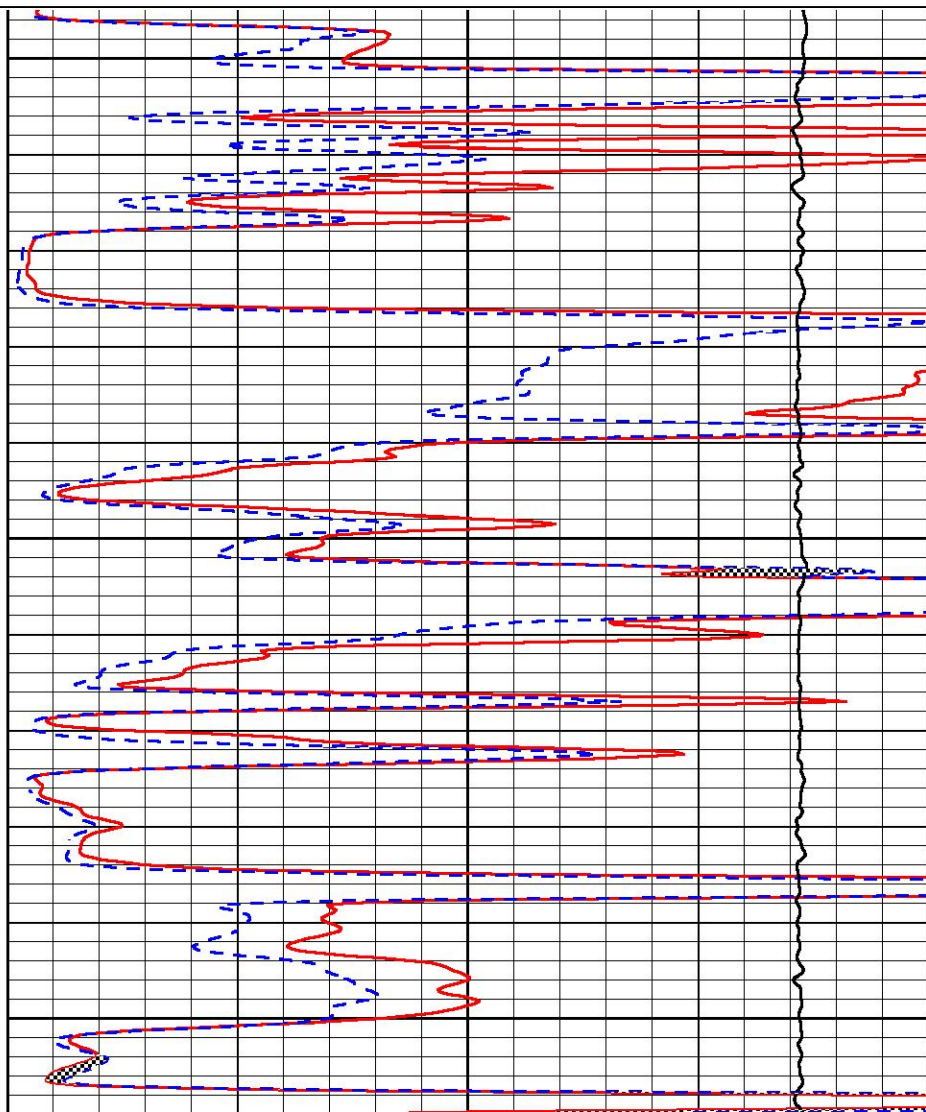
MIDWEST WIRELINE

REPEAT SECTION

Database File griffin_kay 1.db
 Dataset Pathname stkml/pass2.1
 Presentation Format _micro
 Dataset Creation Tue Feb 23 17:28:53 2021
 Charted by Depth in Feet scaled 1:240

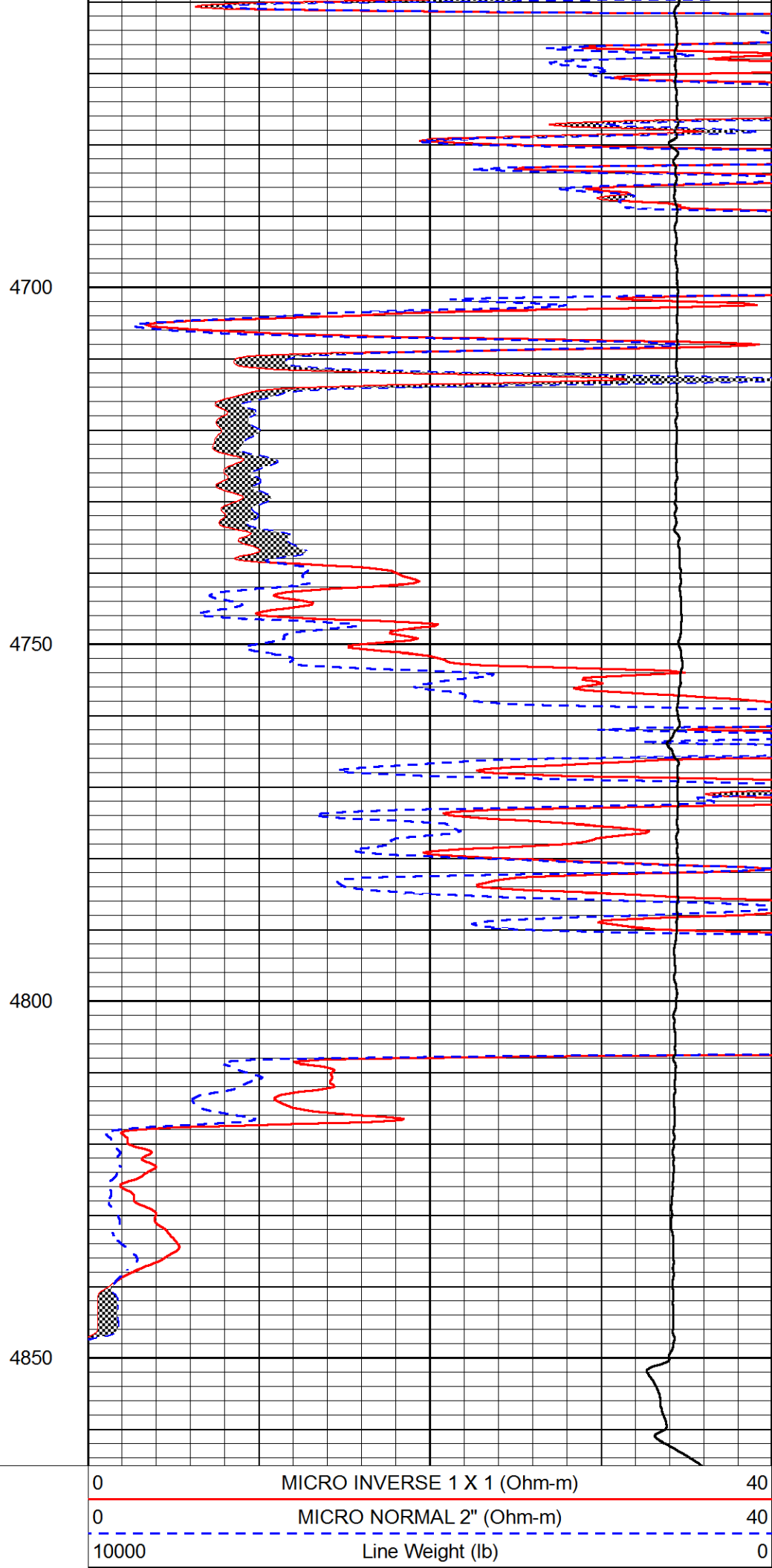
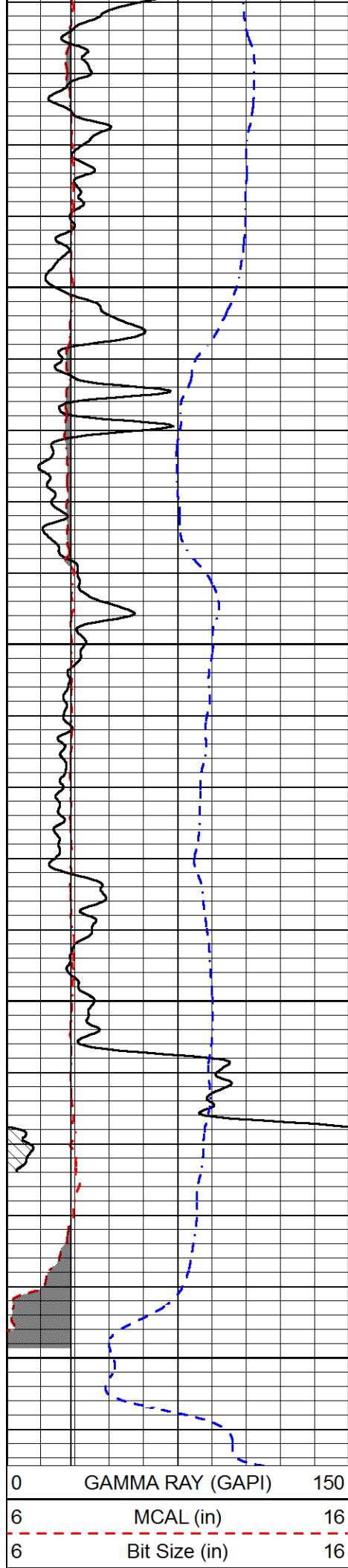


4550



4600

4650



Calibration Report		
Database File	griffin_kay 1.db	
Dataset Pathname	stkml/pass3.4	
Dataset Creation	Tue Feb 23 17:21:24 2021	

Dual Induction Calibration Report

Serial-Model:	952-828-PSI HIGH TEMP
Calibration Performed:	Thu Feb 04 06:43:01 2021

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	167.000	835.000	0.000	255.000	mmho/m	0.455	-35.500
Medium	0.000	1348.000	142.000	255.000	mmho/m	0.325	-34.000

Microlog Calibration Report

Serial-Model:	PSI-01-PSIML
Performed:	Sun Jan 17 01:42:11 2021

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	16000.0000	-1.9000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	17000.0000	-1.3000
Caliper	1.0033	1.0841	5.0000	16.5000	in	142.3500	-138.5000

Compensated Density Calibration Report

Serial-Model:	817-947-M&W
Source / Verifier:	16955B / 2ci
Master Calibration Performed:	Sun Sep 20 22:09:47 2020

Master Calibration						
	Density		Far Detector		Near Detector	
Magnesium	1.755	g/cc	6127.15		5922.31	cps
Aluminum	2.675	g/cc	1141.85		3762.09	cps
Spine Angle = 74.89			Density/Spine Ratio = 0.529			
	Size		Reading			
Small Ring	4.50	in	1.02			
Large Ring	14.50	in	1.23			

Compensated Neutron Calibration Report

Serial Number:	207-MW
Tool Model:	M&W
Calibration Performed:	WED FEB 13 10:30:30 2019

Detector	Readings	Target	Normalization
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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:	233-M&W				
Tool Model:	M&W				
Calibration Performed:	Sun Sep 20 22:10:24 2020				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.5500	GAPI/cps			