



MIDWEST WIRELINE

MICRORESISTIVITY LOG

CompanyGriffin Management LLC		Company Griffin Management LLC	
Well	Whitley #1	Well	Whitley #1
Field	Moffett West	Field	Moffett West
County	Barber	County	Barber
State	Kansas	State	Kansas
Location: API #: 15-007-24403-00-00		Other Services	
SEC 8 TWP 30S RGE 15W		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	1979
Log Measured From	Kelly Bushing	K.B.	1991
Drilling Measured From	Kelly Bushing	D.F.	1979
G.L.	1979		
Date	3/2/2022		
Run Number	One		
Depth Driller	4840		
Depth Logger	4842		
Bottom Logged Interval	4841		
Top Log Interval	2800		
Casing Driller	8.625 @ 251		
Casing Logger	250		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	5500		
Density / Viscosity	9.3 54		
pH / Fluid Loss	10.0 9.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.75 @ 76		
Rmt @ Meas. Temp	0.56 @ 76		
Rmc @ Meas. Temp	1.01 @ 76		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.46 @ 124		
Operating Rig Time	2.5 Hours		
Max Rec. Temp. F	124		
Equipment Number	P-108		
Location	HAYS		
Recorded By	T. Martin		
Witnessed By	Eli 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.

Havilland, E to Croft blktp, S to 110,
1.5 S, 1 E, S & W into

Log Measured From: Kelly Bushing

12 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Eli Felts
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_whitley #1.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	124	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	490	50		4842



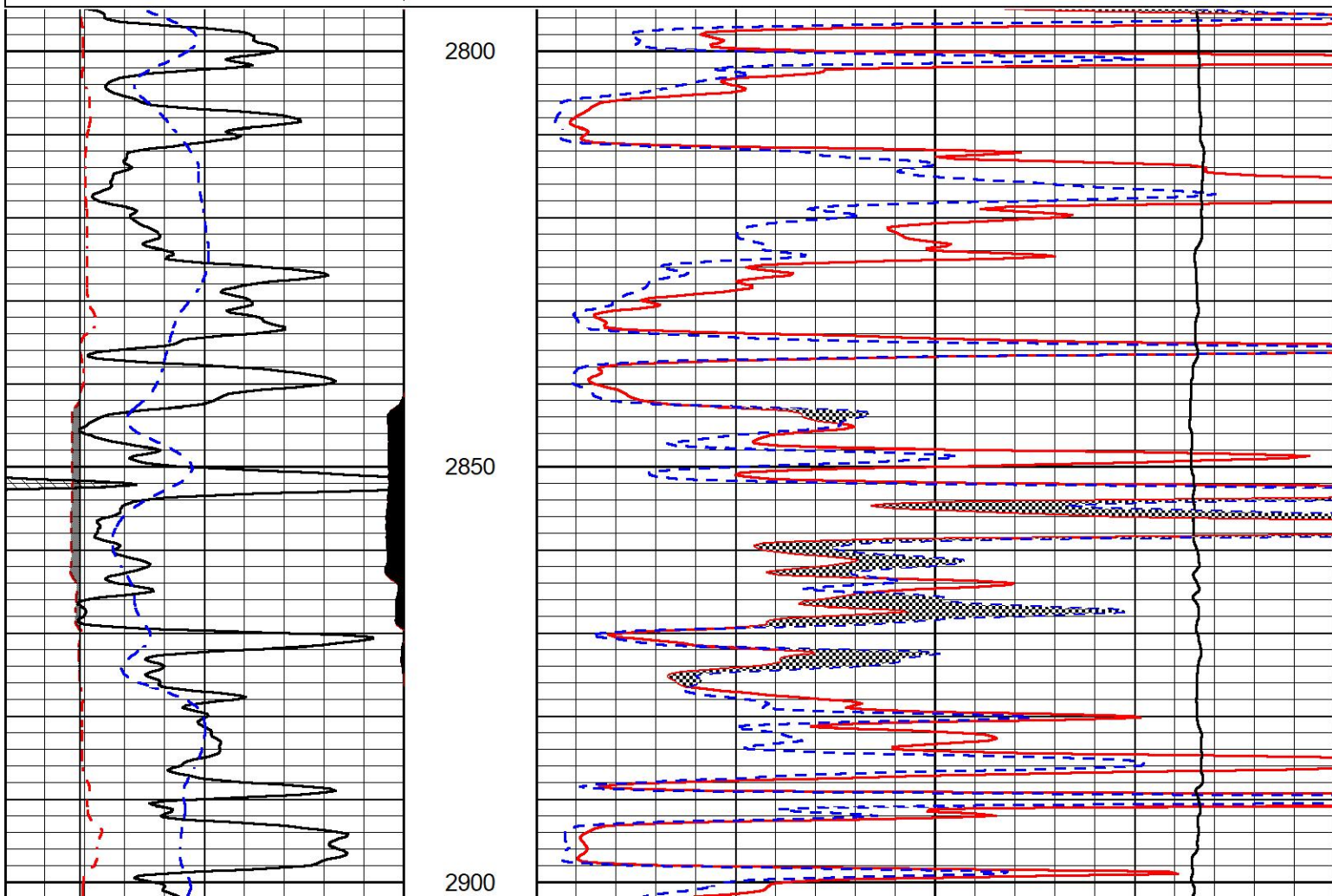
DETAIL SECTION

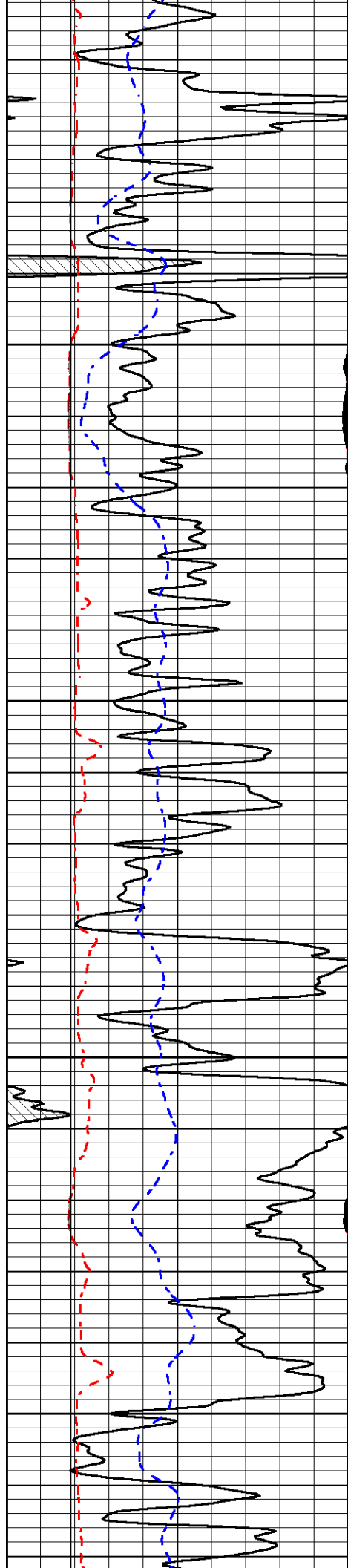
MAIN PASS

Database File griffin_whitley #1.db
Dataset Pathname StkMI/pass3.1
Presentation Format _micro
Dataset Creation Wed Mar 02 09:46:13 2022
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcil (in)	7.875
-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



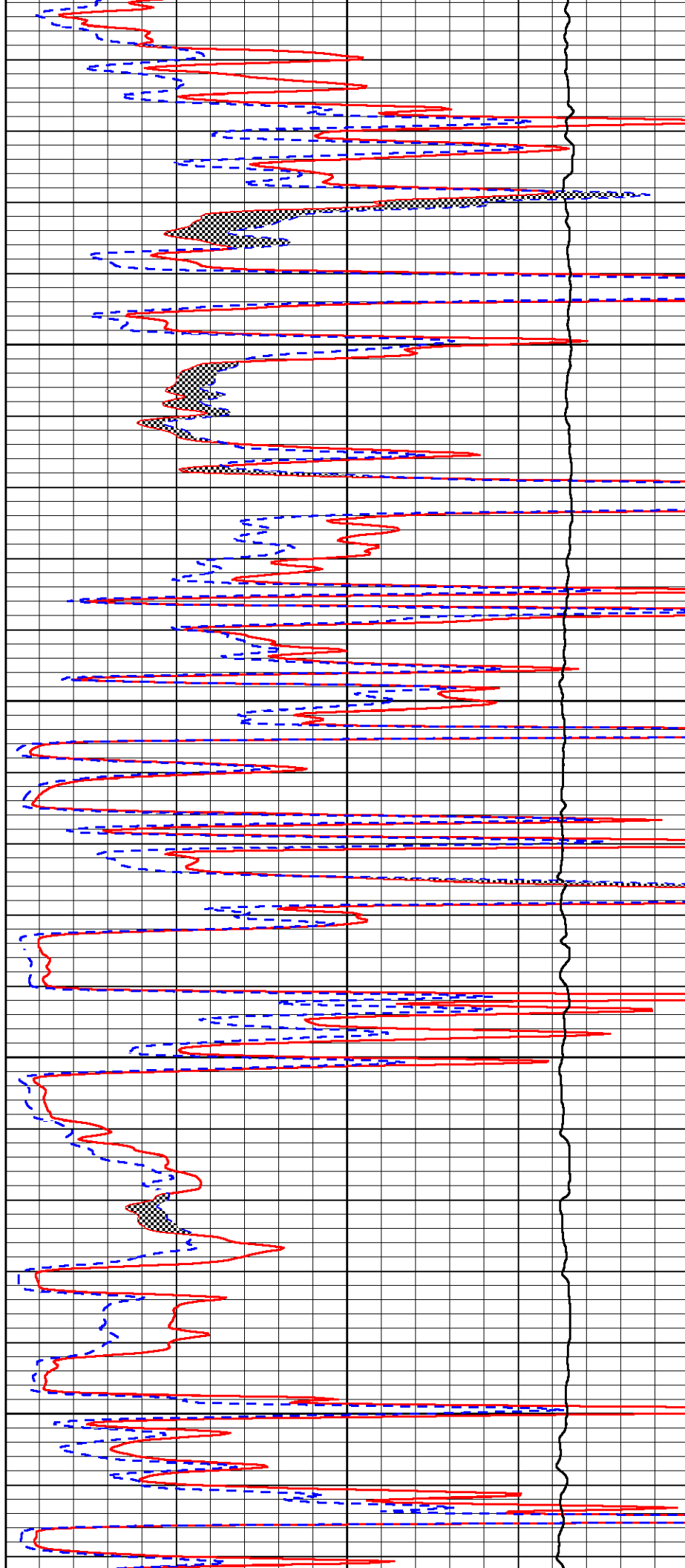


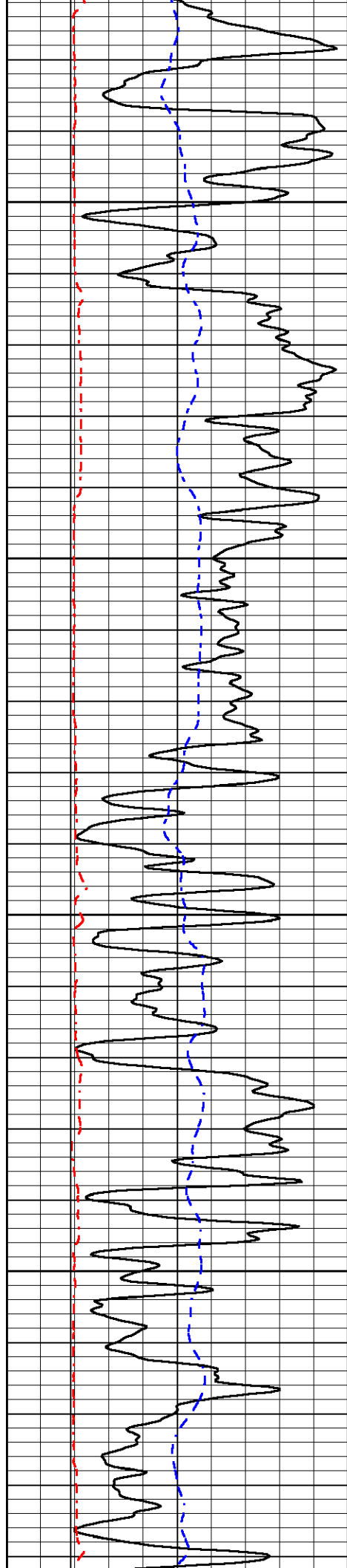
2950

3000

3050

3100



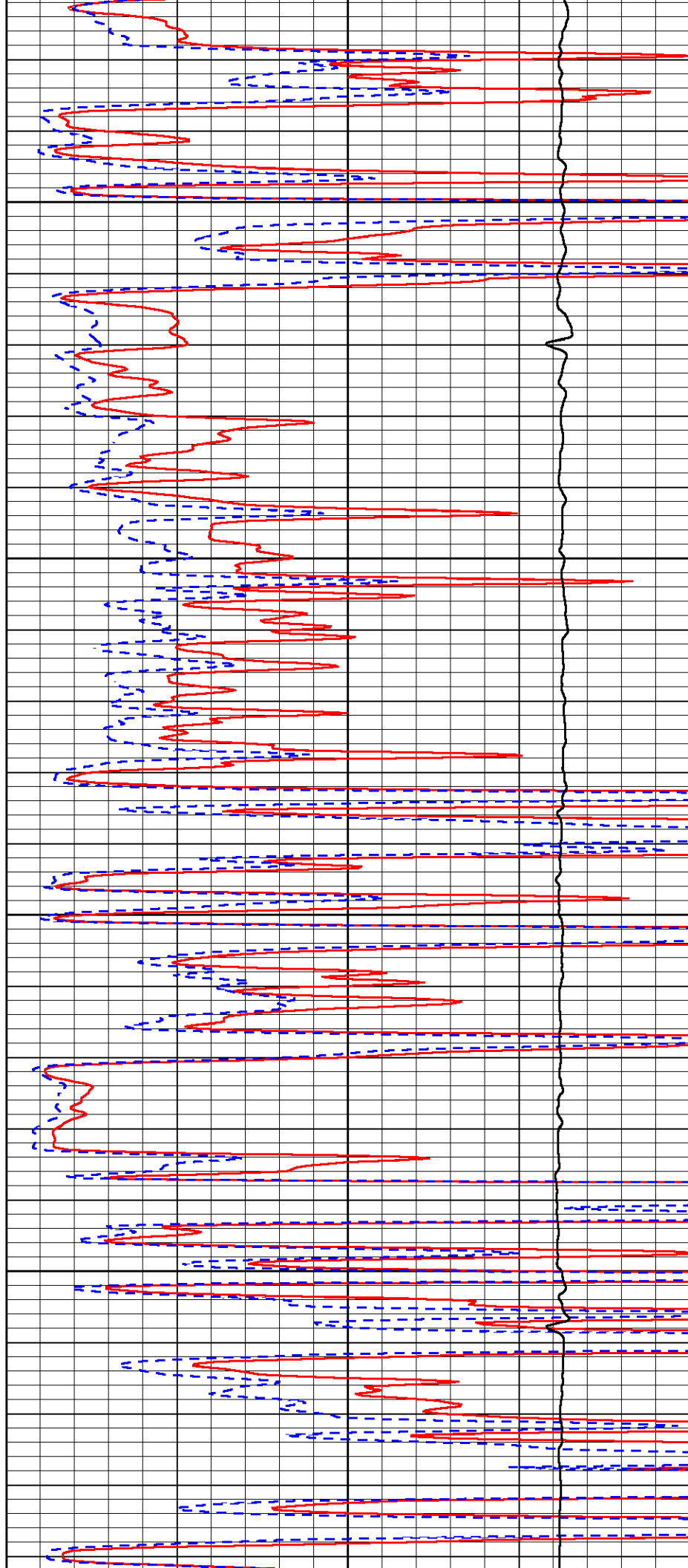


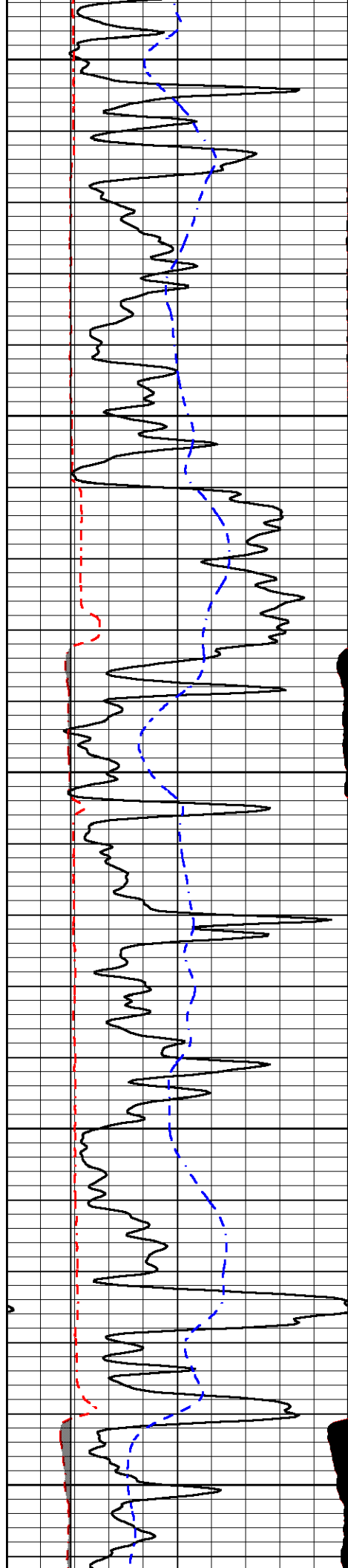
3150

3200

3250

3300





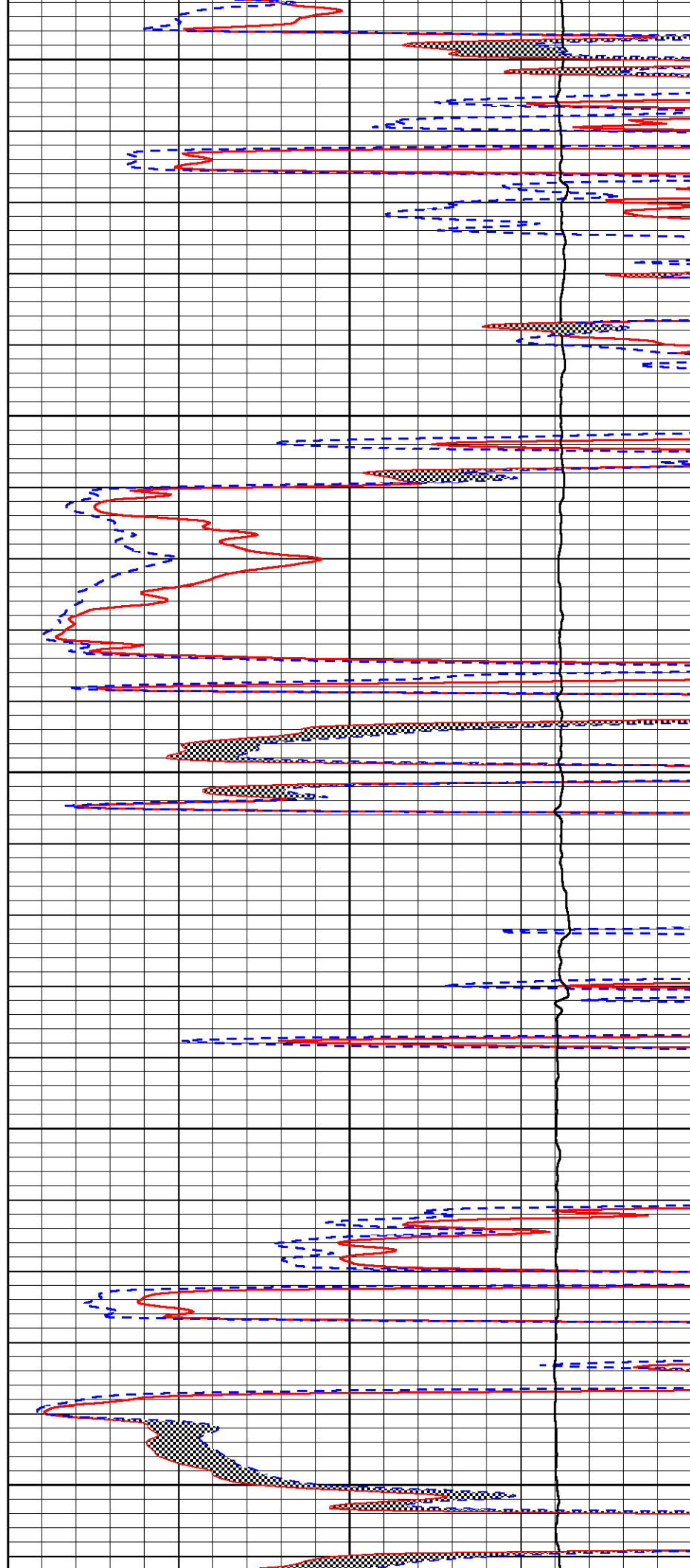
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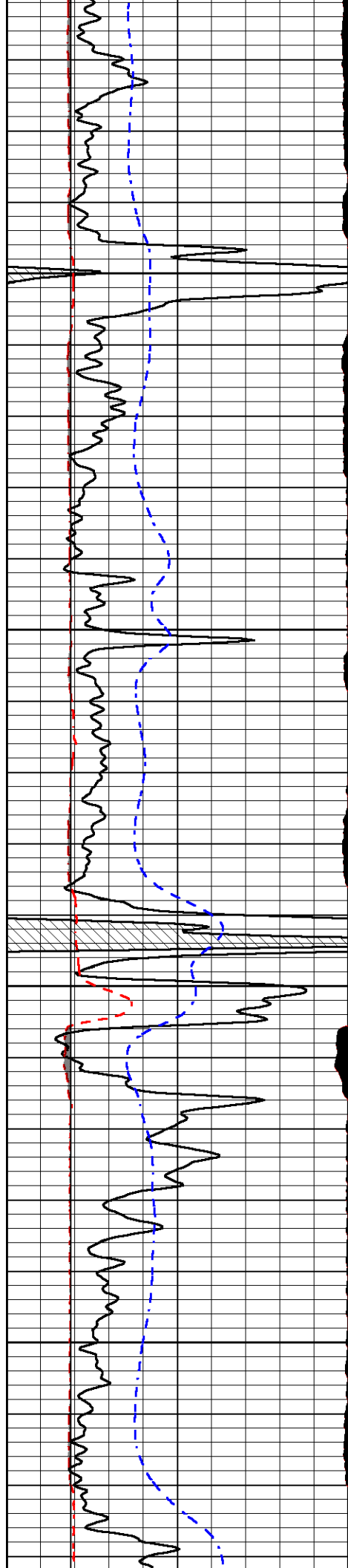
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3450

3500

3550



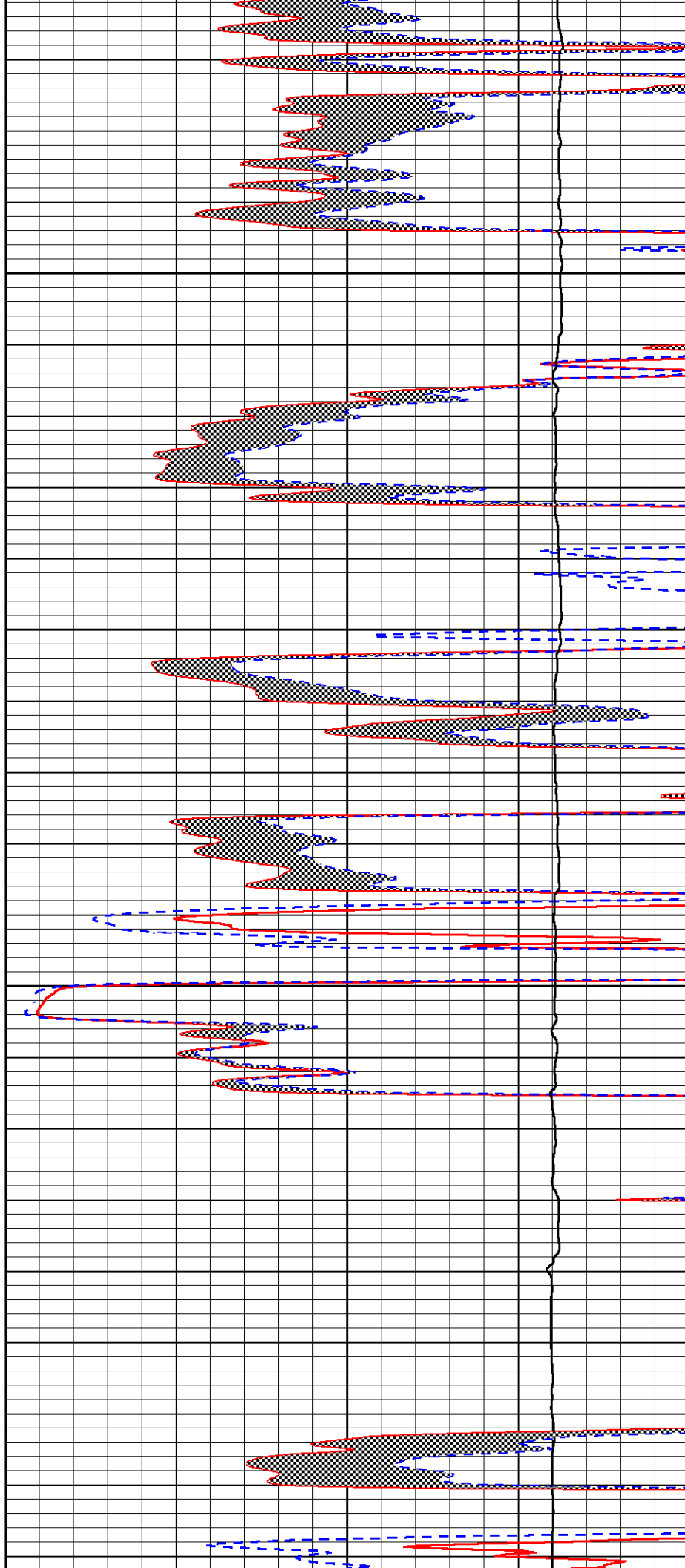


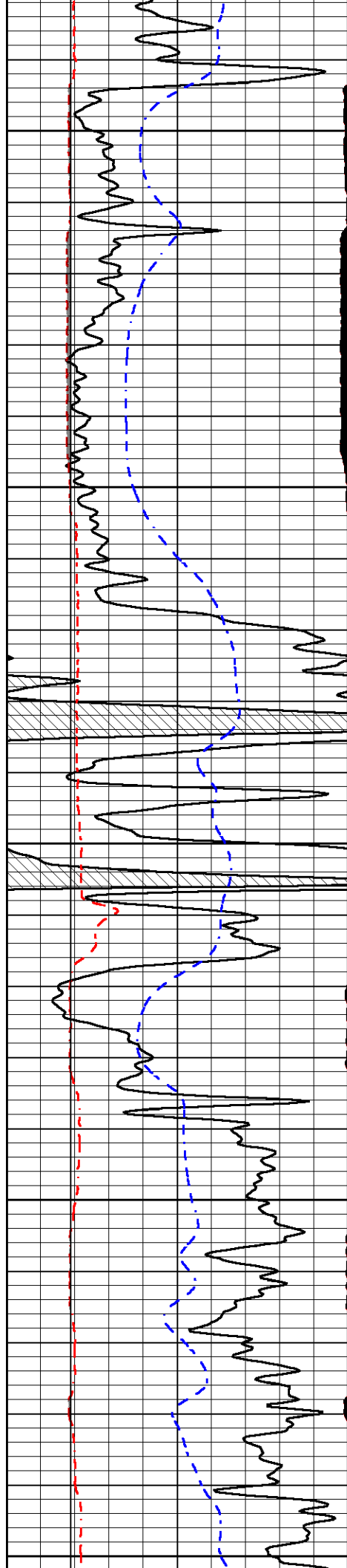
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3650

3700

3750





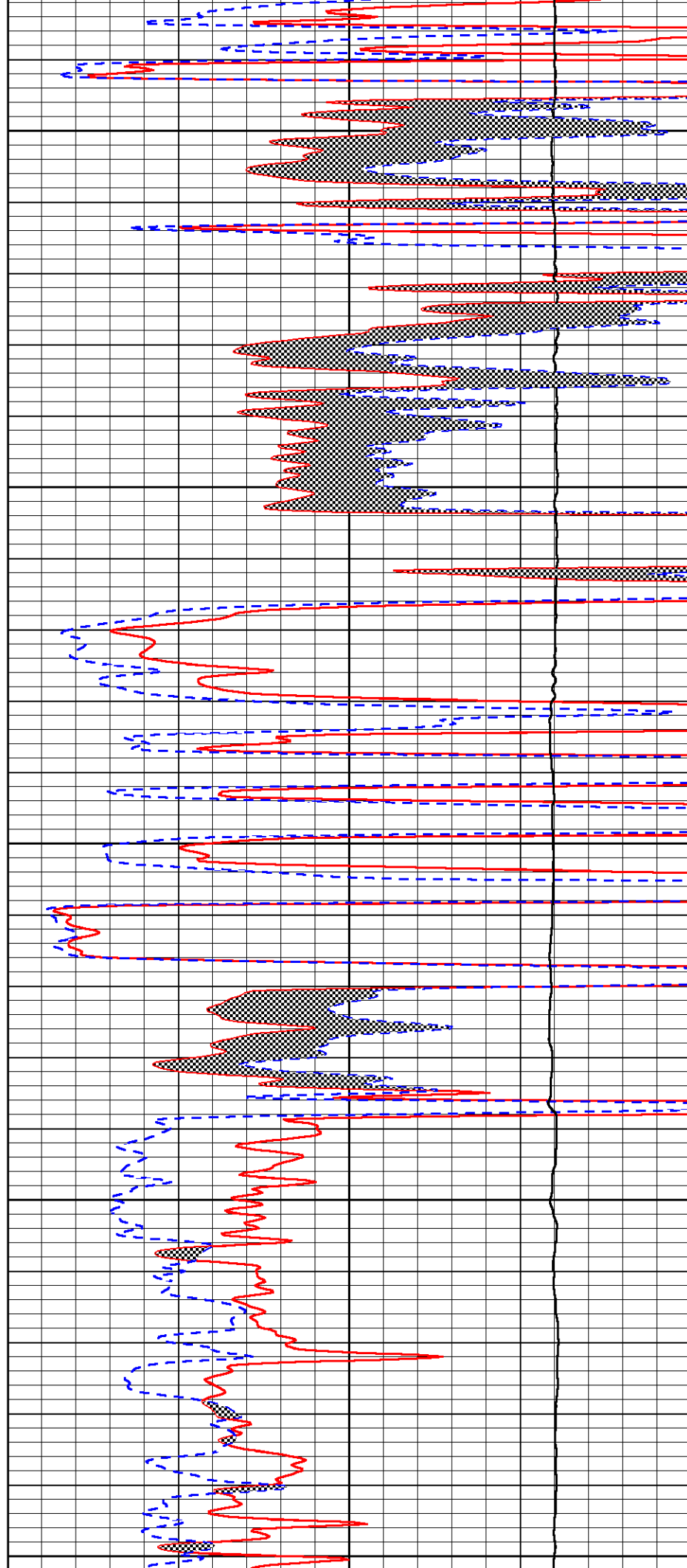
3800

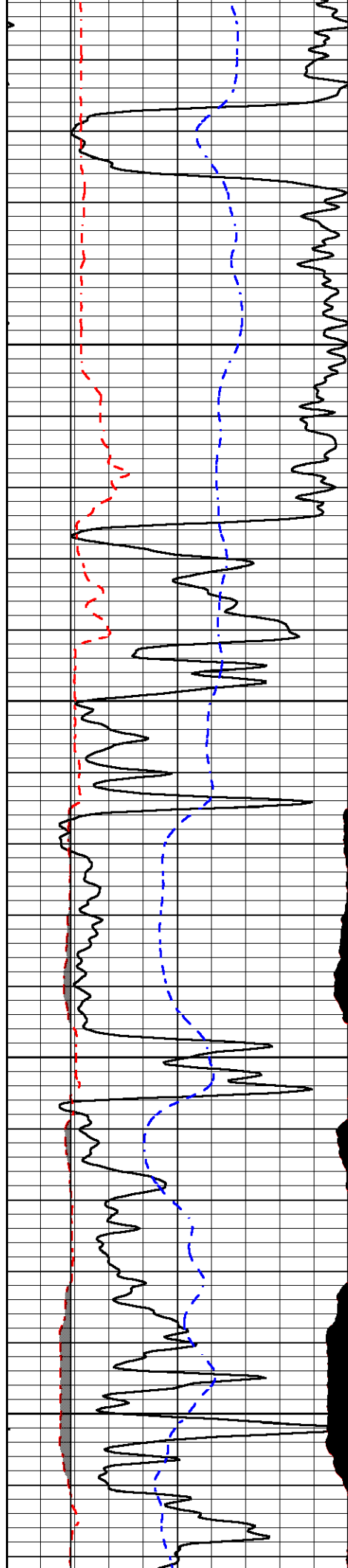
3850

3900

3950

4000



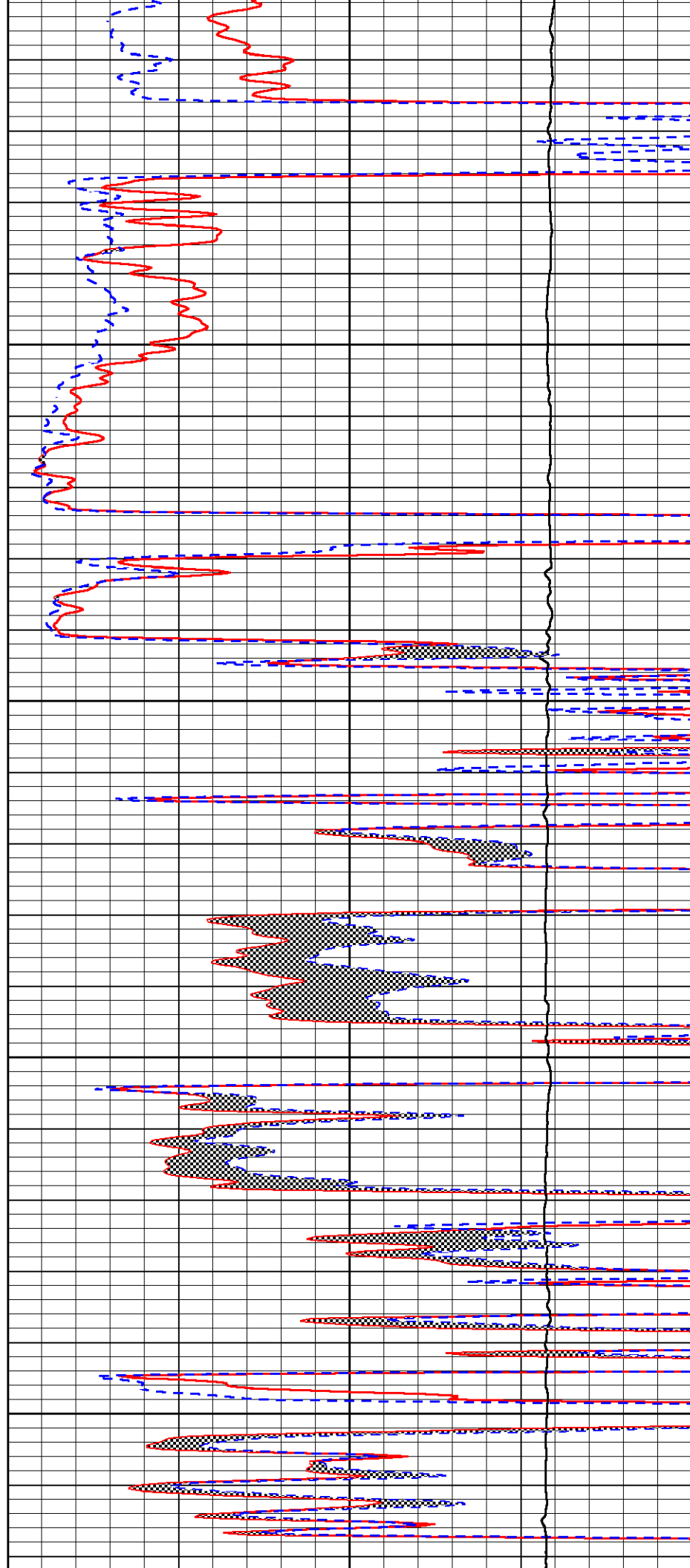


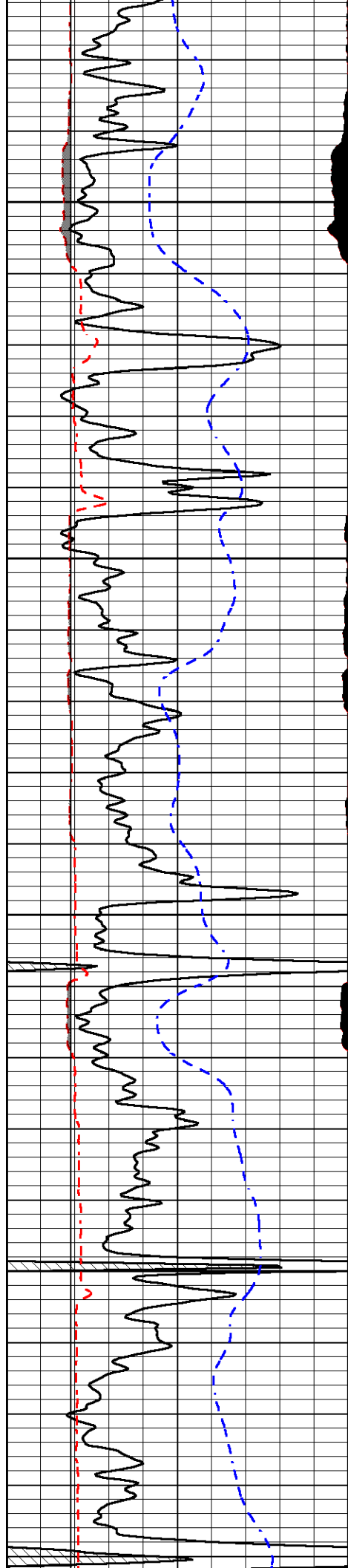
4050

4100

4150

4200



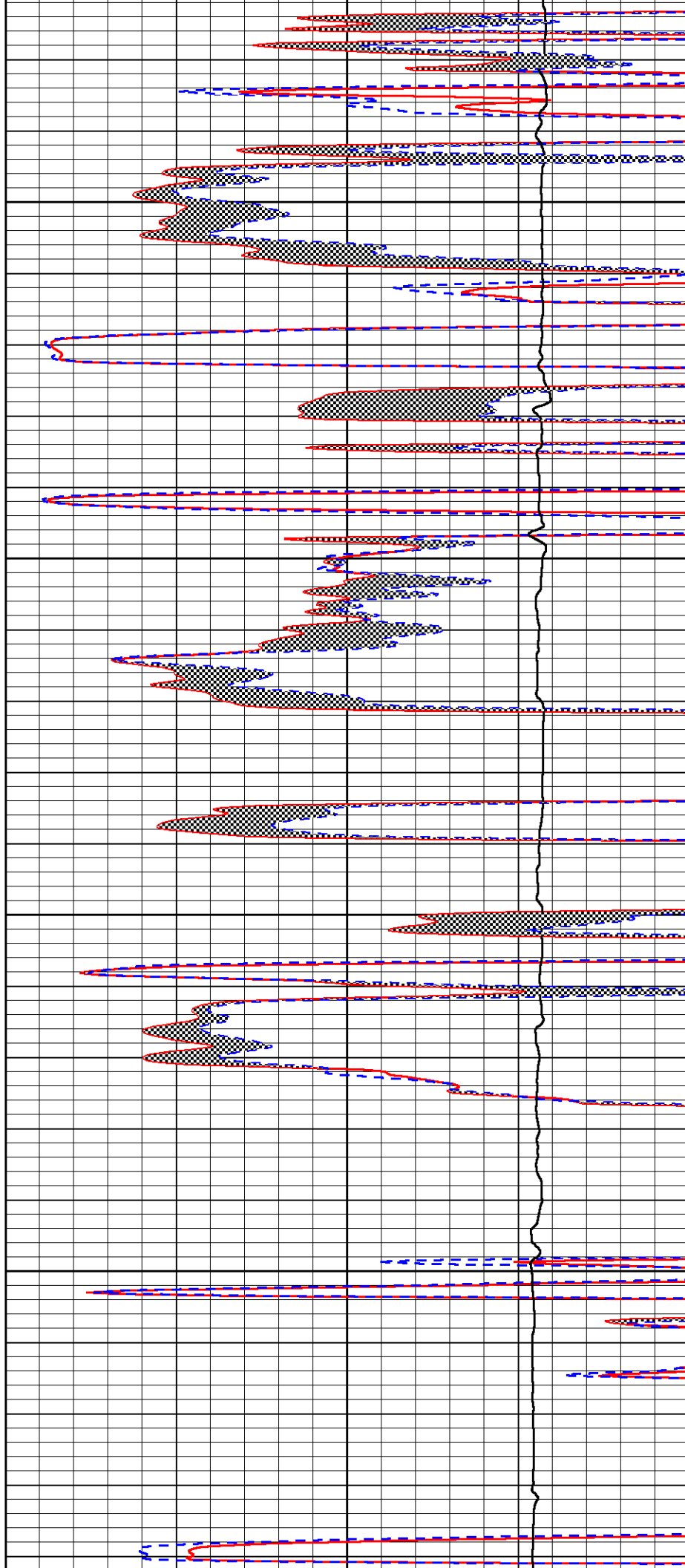


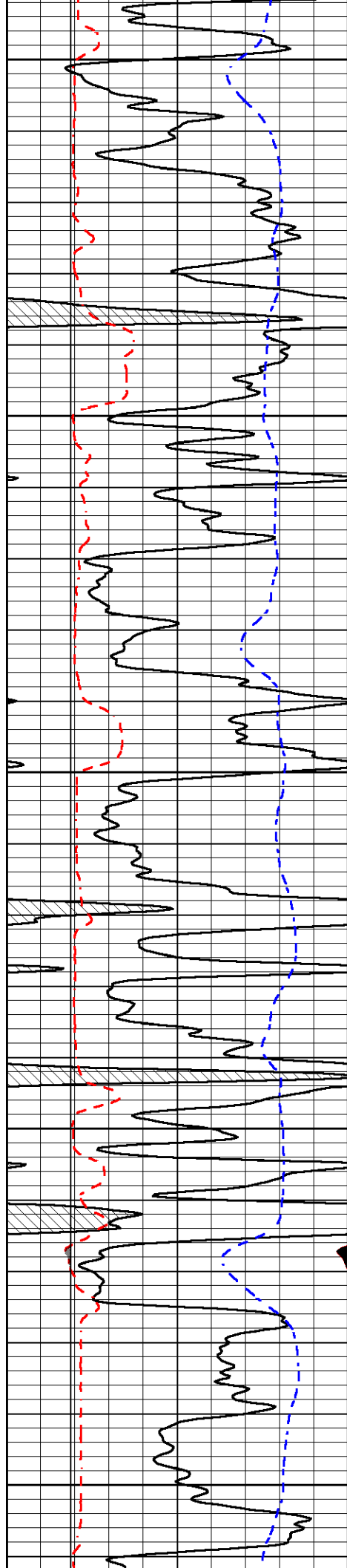
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4300

4350

4400





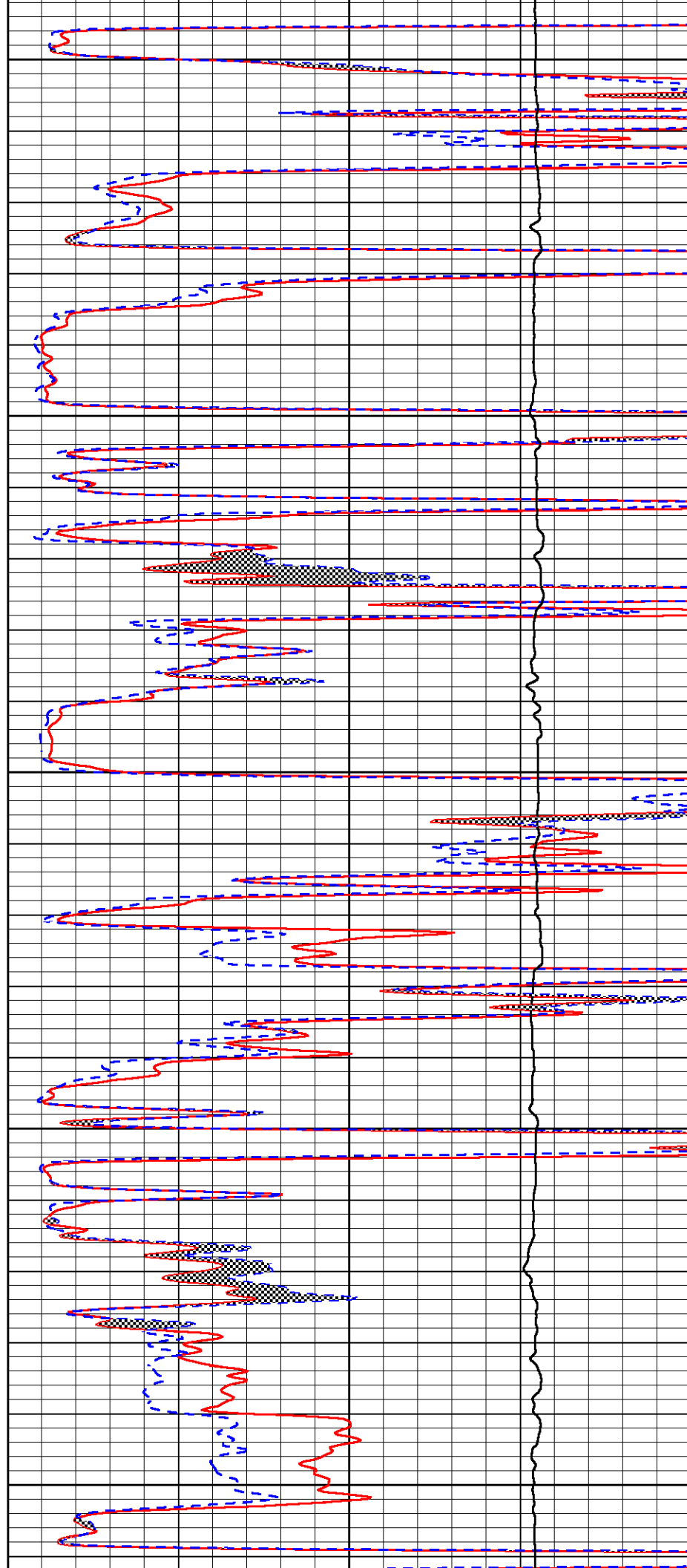
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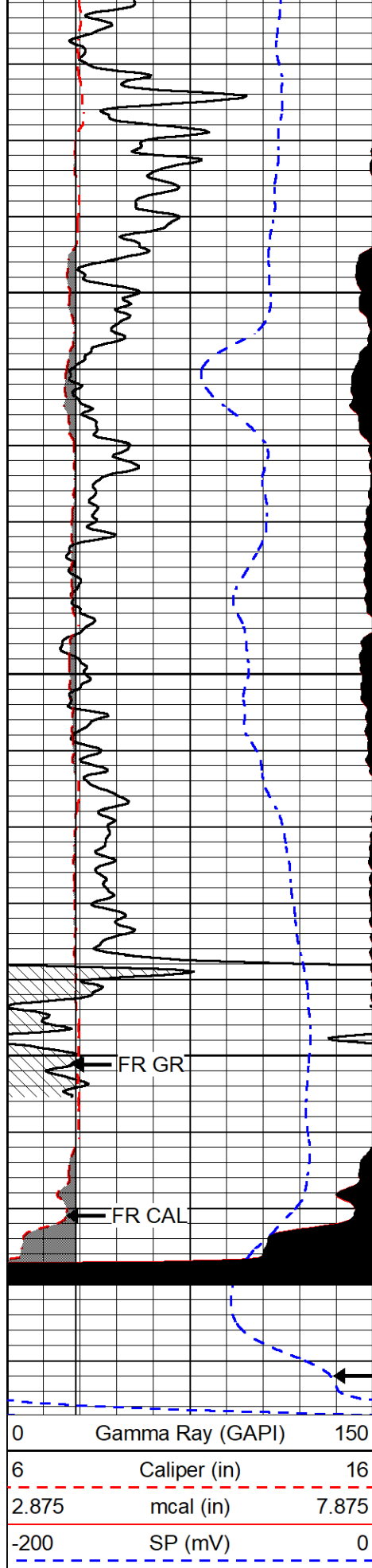
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4550

4600

4650

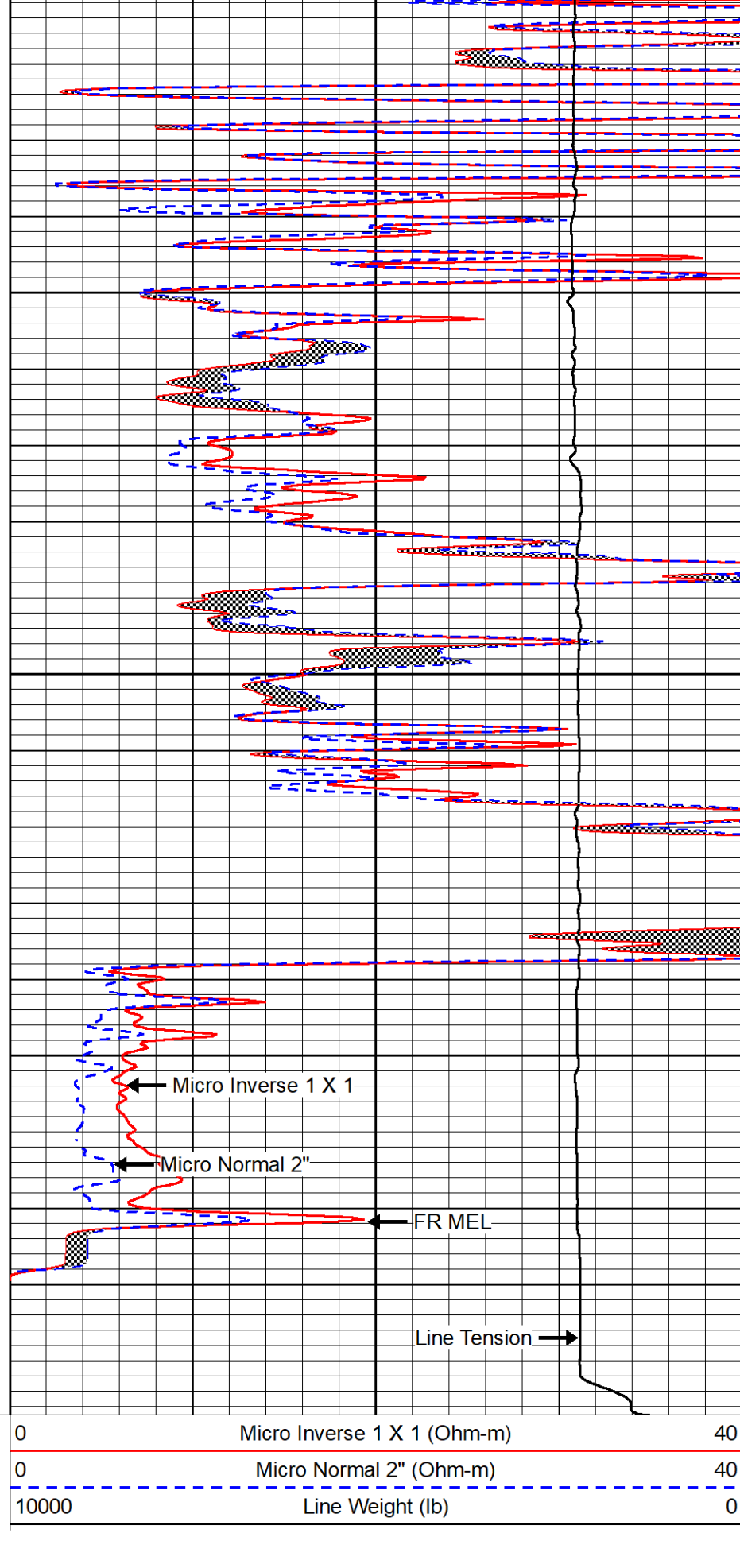




4700

4750

4800



Micro Inverse 1 X 1

Micro Normal 2"

FR MEL

Line Tension

REPEAT SECTION

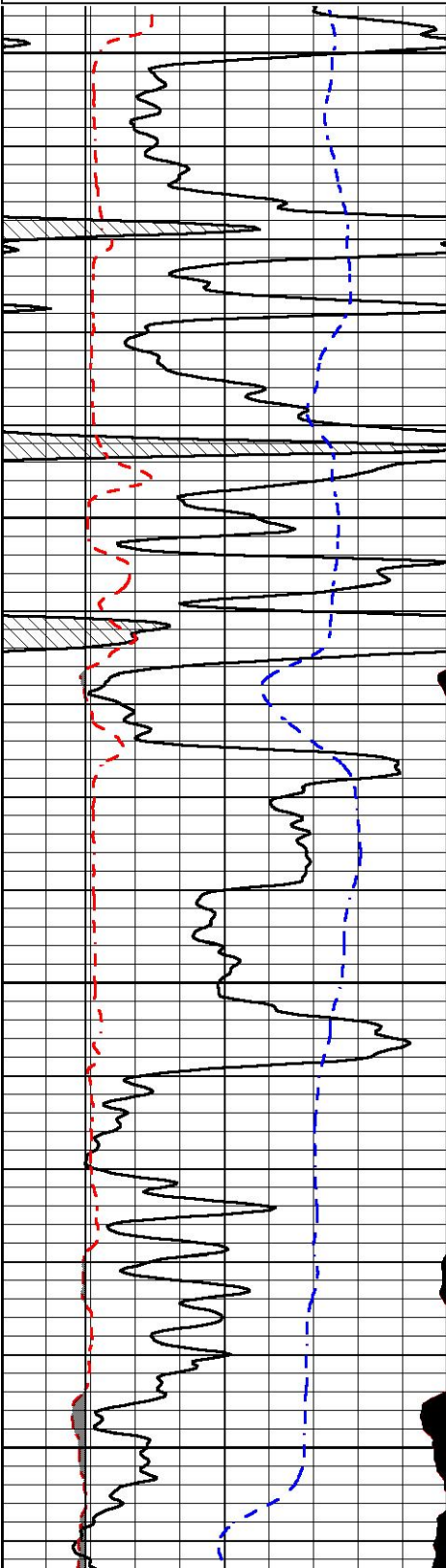


REPEAT PASS

Database File griffin_whitley #1.db
Dataset Pathname StkMI/pass2.1
Presentation Format _micro
Dataset Creation Wed Mar 02 09:07:08 2022
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-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

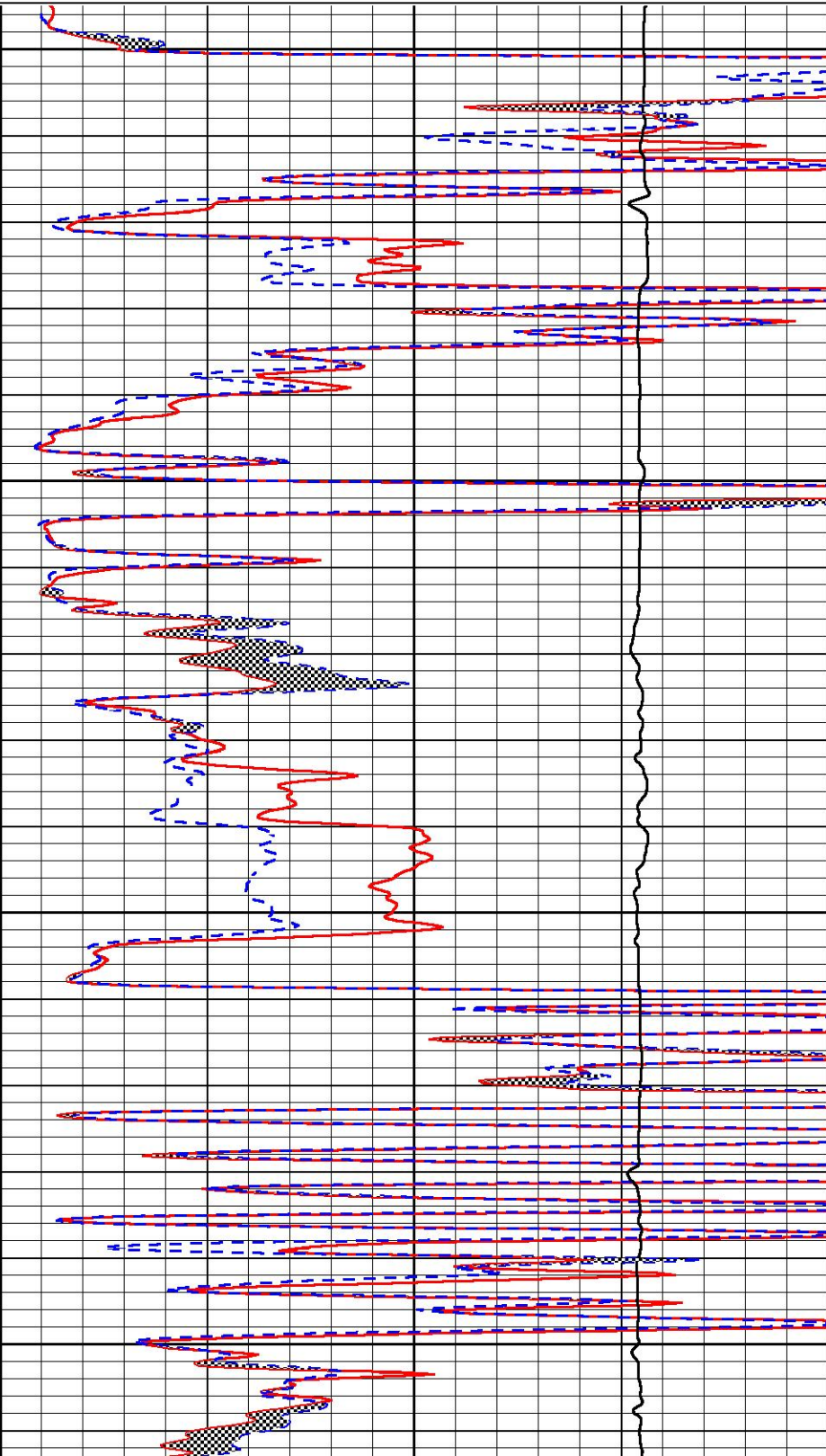


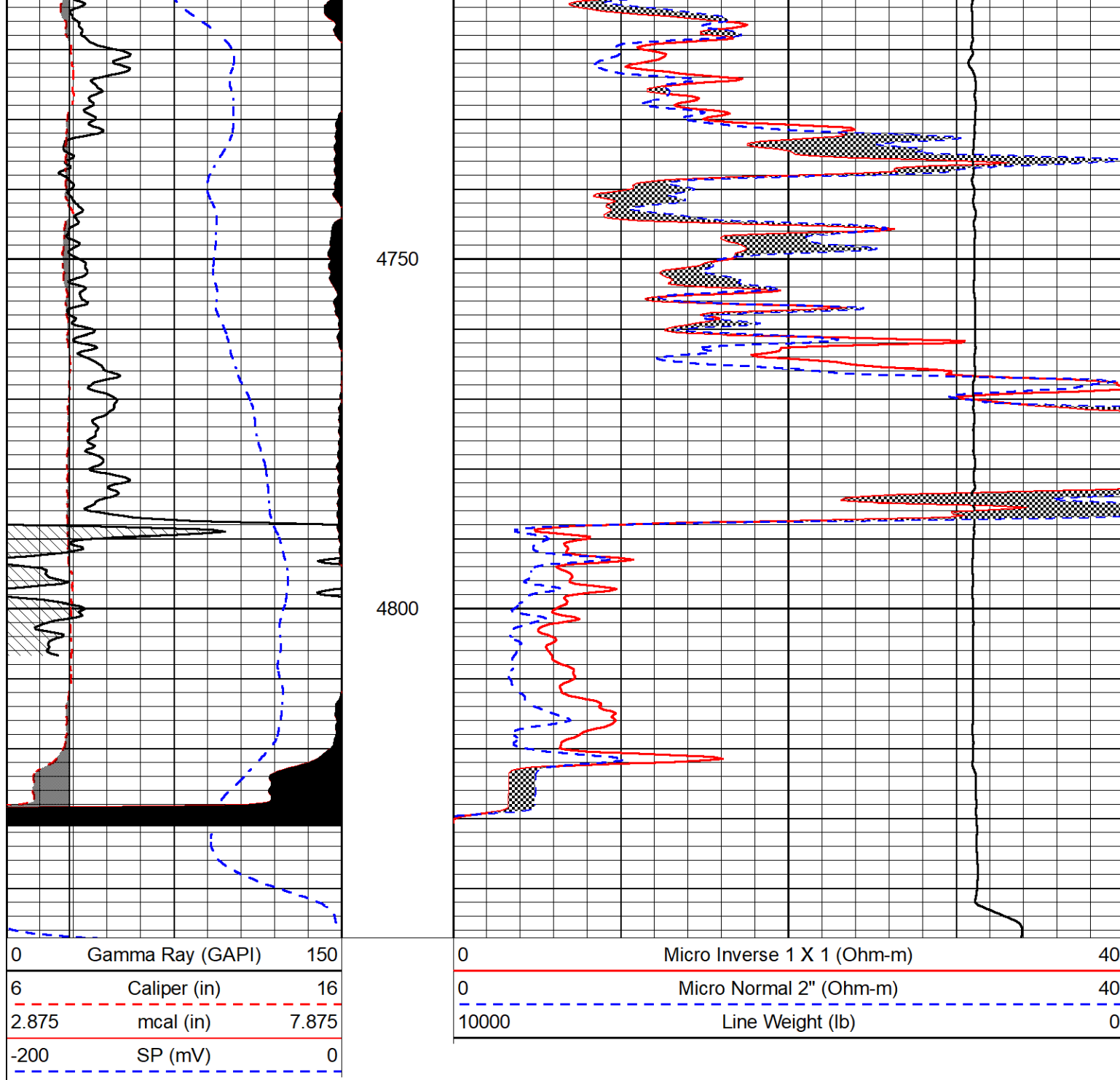
4550

4600

4650

4700





Calibration Report

Database File griffin_whitley #1.db
 Dataset Pathname StkMI/pass3.1
 Dataset Creation Wed Mar 02 09:46:13 2022

Dual Induction Calibration Report

Serial-Model: 504 HT-M&W
 Surface Cal Performed: Thu Dec 16 22:32:49 2021

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-20.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-51.000

Microlog Calibration Report								
Serial-Model: Performed:			402-PSI STKBL ML Thu Dec 16 22:29:48 2021					
	Readings		References			Results		
	Zero	Cal	Zero	Cal		m	b	
	Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	21000.0000	-1.0000
	Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	20000.0000	0.0000
	Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1520	-131.2000
Compensated Density Calibration Report								
Serial-Model: Source #: Master Calibration Performed:			303-03-M&W 21170B Thu Dec 16 23:28:34 2021					
Master Calibration								
	Density		Far Detector		Near Detector			
	Magnesium	1.755 g/cc	3841.78		5151.73	cps		
	Aluminum	2.670 g/cc	700.98		3068.49	cps		
	Spine Angle = 73.06		Density/Spine Ratio = 0.515					
	Size	Reading						
Small Ring	4.00 in	1.17						
Large Ring	14.00 in	1.05						
Compensated Neutron Calibration Report								
Serial-Model: Source #: Master Calibration Performed:			210-M&W N-1238 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				



Well	Whitley #1
Field	Moffett West
County	Barber
State	Kansas