

MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company American Warrior, Inc.		Company American Warrior, Inc.	
Well O'Brate-Beach #2-26		Well O'Brate-Beach #2-26	
Field Wildcat		Field Wildcat	
County Finney		County Finney	
State Kansas		State Kansas	
Location: API #: 15-055-22556-00-00		Other Services	
SEC 26 TWP 25S RGE 31W		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	2797
Log Measured From	Kelly Bushing	K.B.	2810
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	2797
Date	5/5/2022		
Run Number	One		
Depth Driller	5000		
Depth Logger	5002		
Bottom Logged Interval	5001		
Top Log Interval	2500		
Casing Driller	8.625 @ 1607		
Casing Logger	1601		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2900		
Density / Viscosity	9.4 45		
pH / Fluid Loss	10.5 8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.70 @ 70		
Rmt @ Meas. Temp	0.53 @ 70		
Rmc @ Meas. Temp	0.95 @ 70		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.39 @ 126		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	126		
Equipment Number	P-24		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Kevin Timson		

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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.

Pierceville,
1 1/2 South, 1 West,
South to location

Log Measured From: Kelly Bushing 13 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew		This Log Record Was Witnessed By	
Engineer: D. Schmidt		Primary Witness: Kevin Timson	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Log Variables

DatabaseC:\ProgramData\Warrior\Data\american warrior_obrate beach 2-26.db
Dataset field/well/stkml/pass3.10/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	127	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	-253	60		5002

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

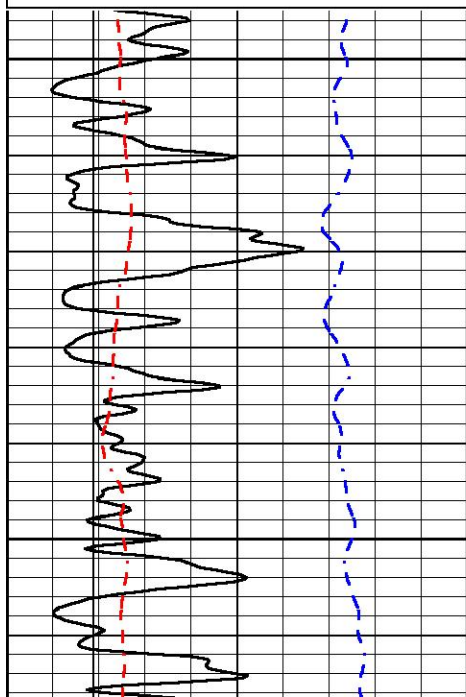
DETAIL SECTION

MAIN PASS

Database File american warrior_obrate beach 2-26.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Thu May 05 19:18:22 2022
Charted by Depth in Feet scaled 1:240

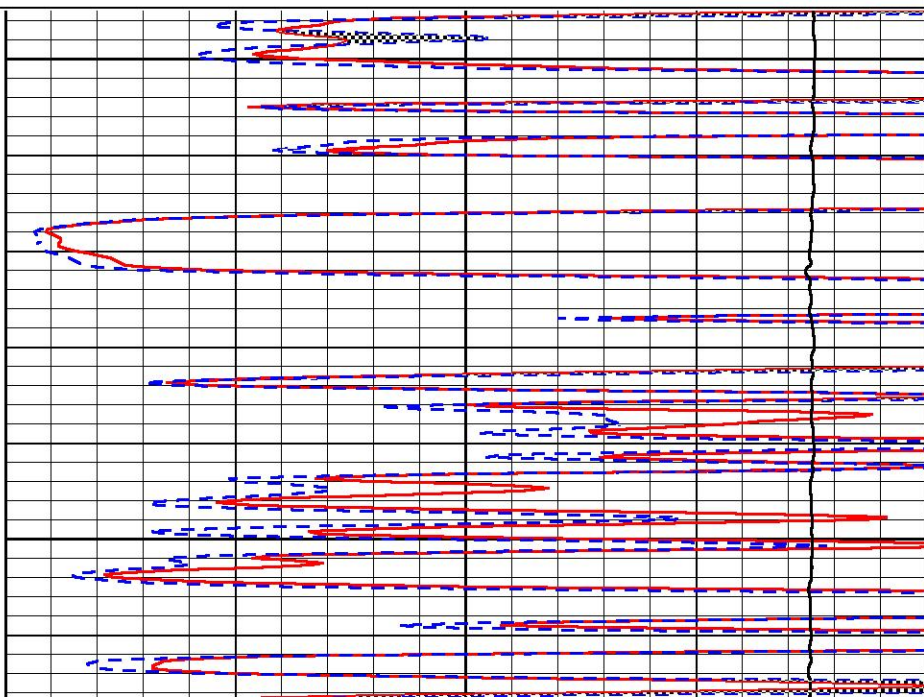
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
-2.875	mcal (in)	7.875
-200	SP (mV)	0

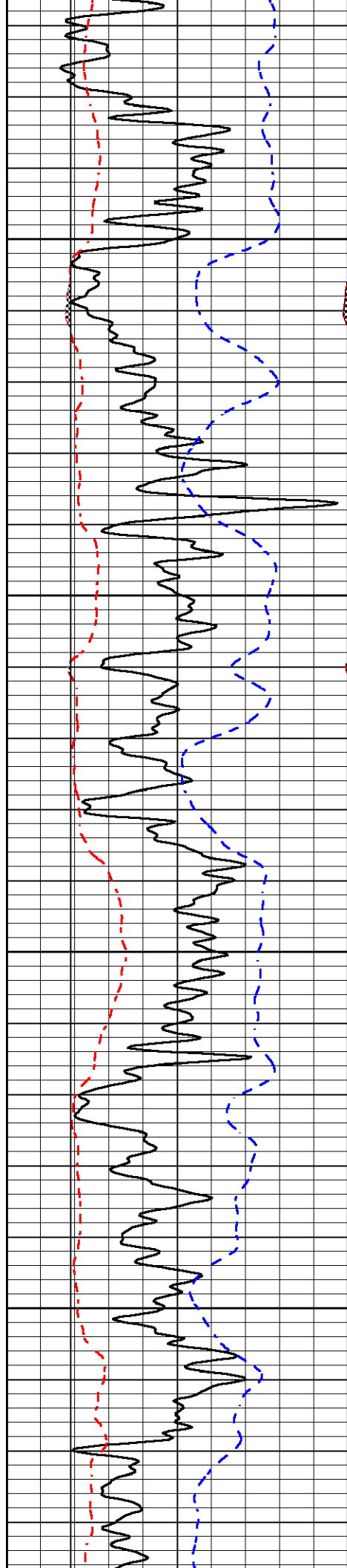
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



2500

2550



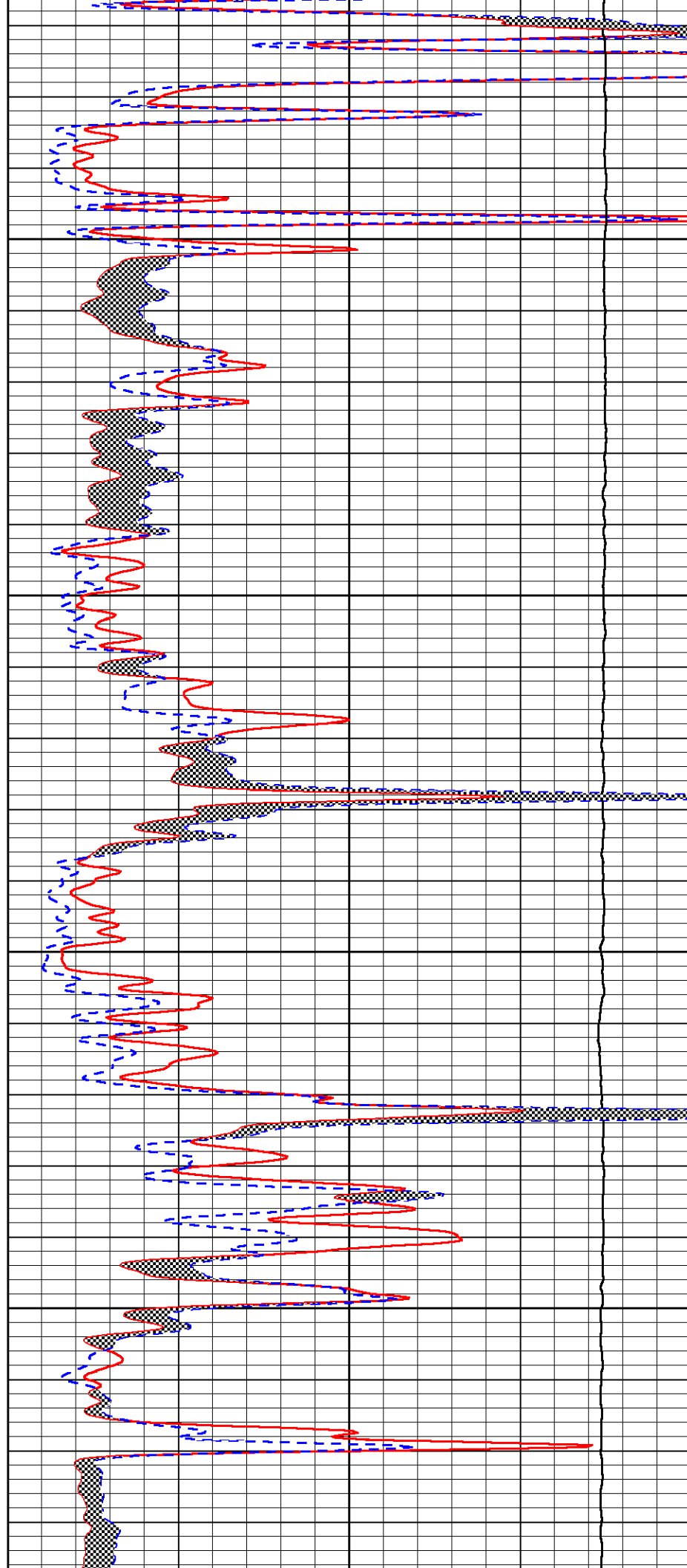


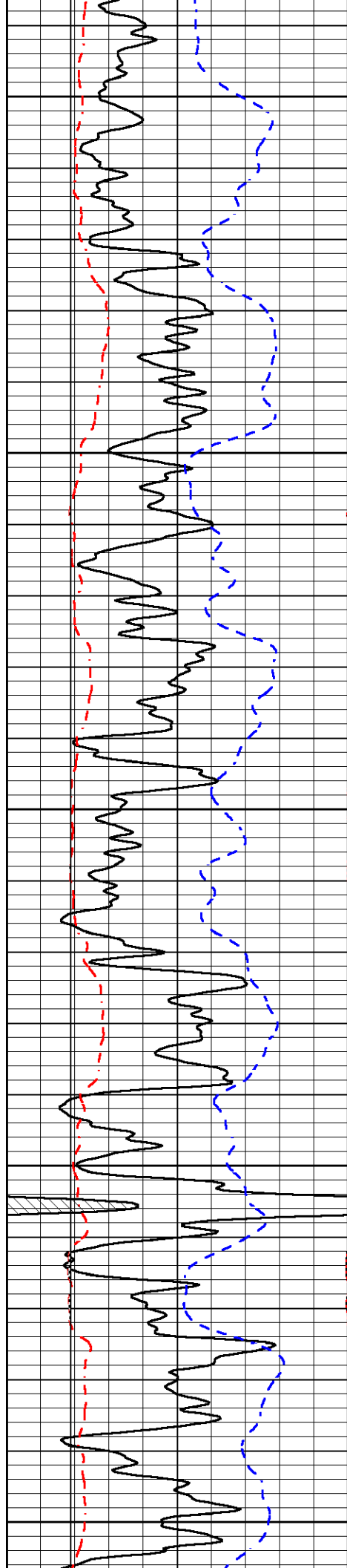
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2650

2700

2750





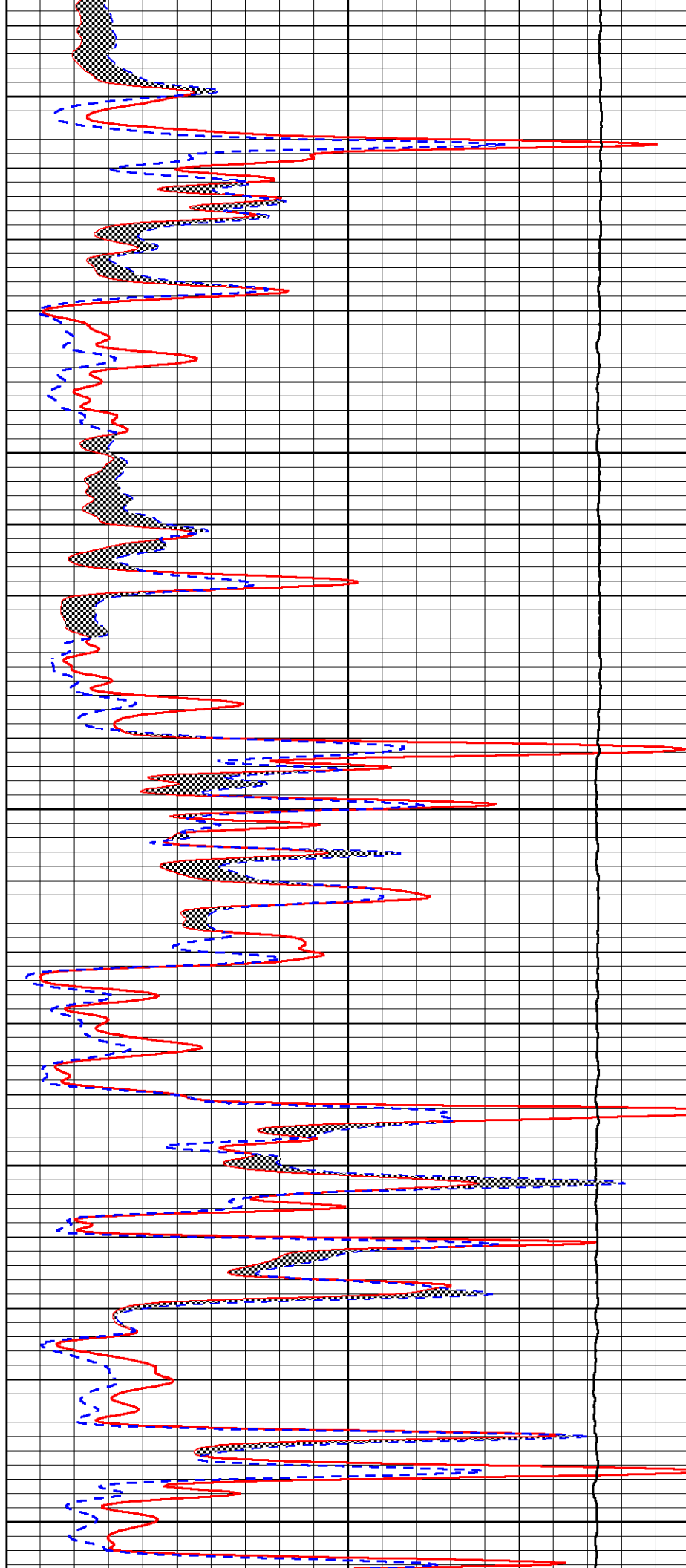
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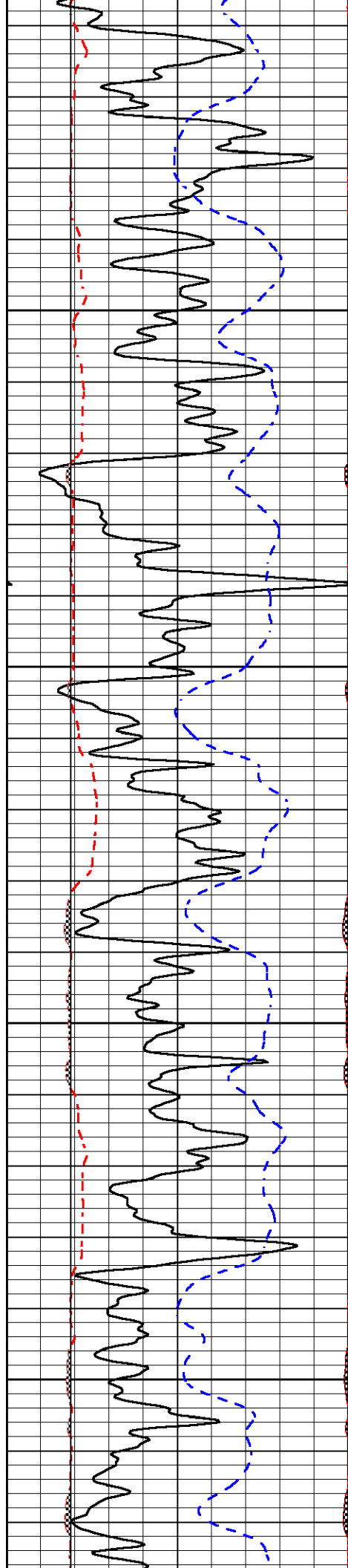
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2900

2950

3000



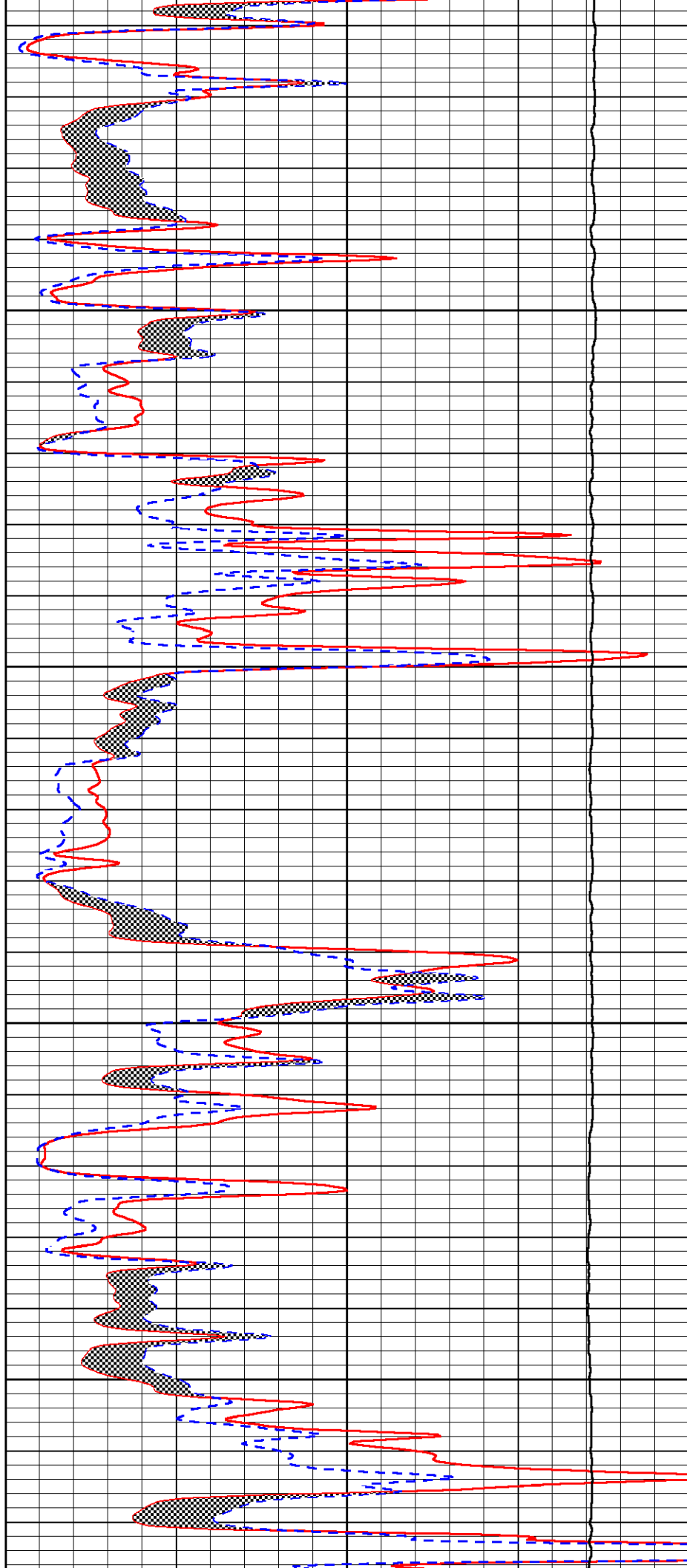


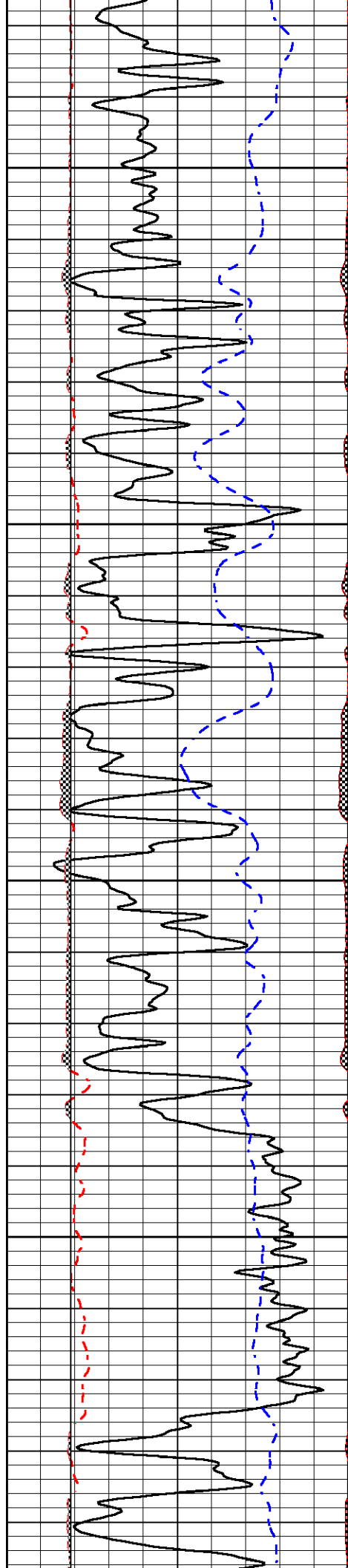
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3100

3150

3200



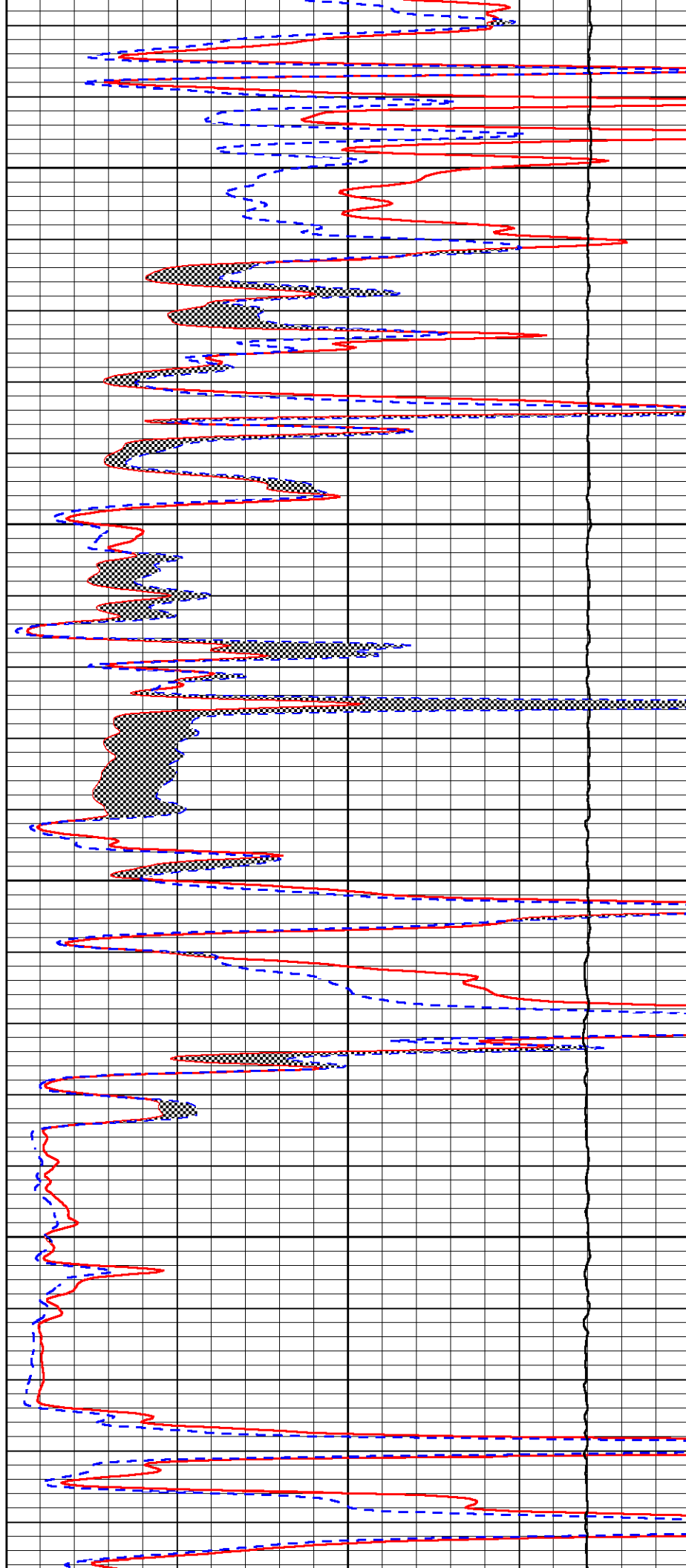


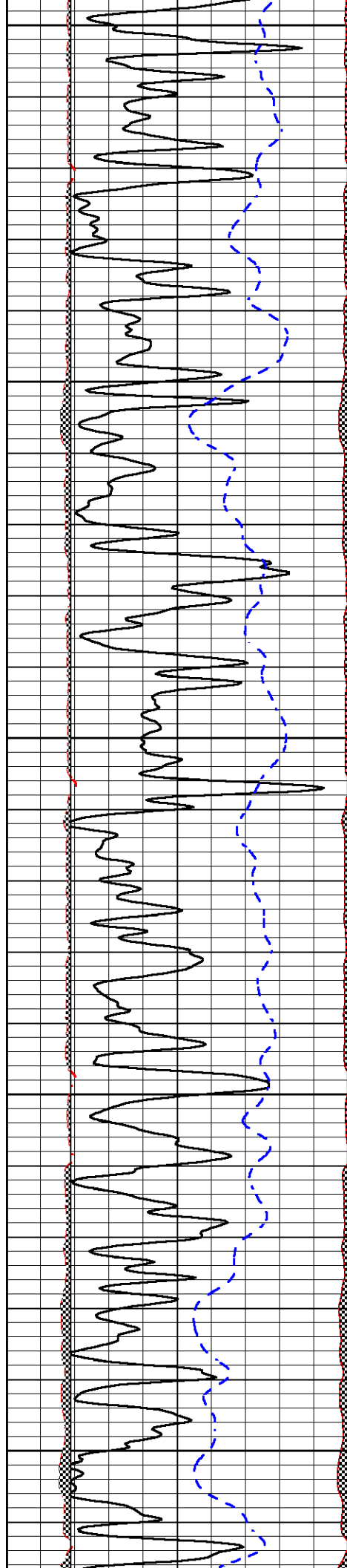
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3300

3350

3400





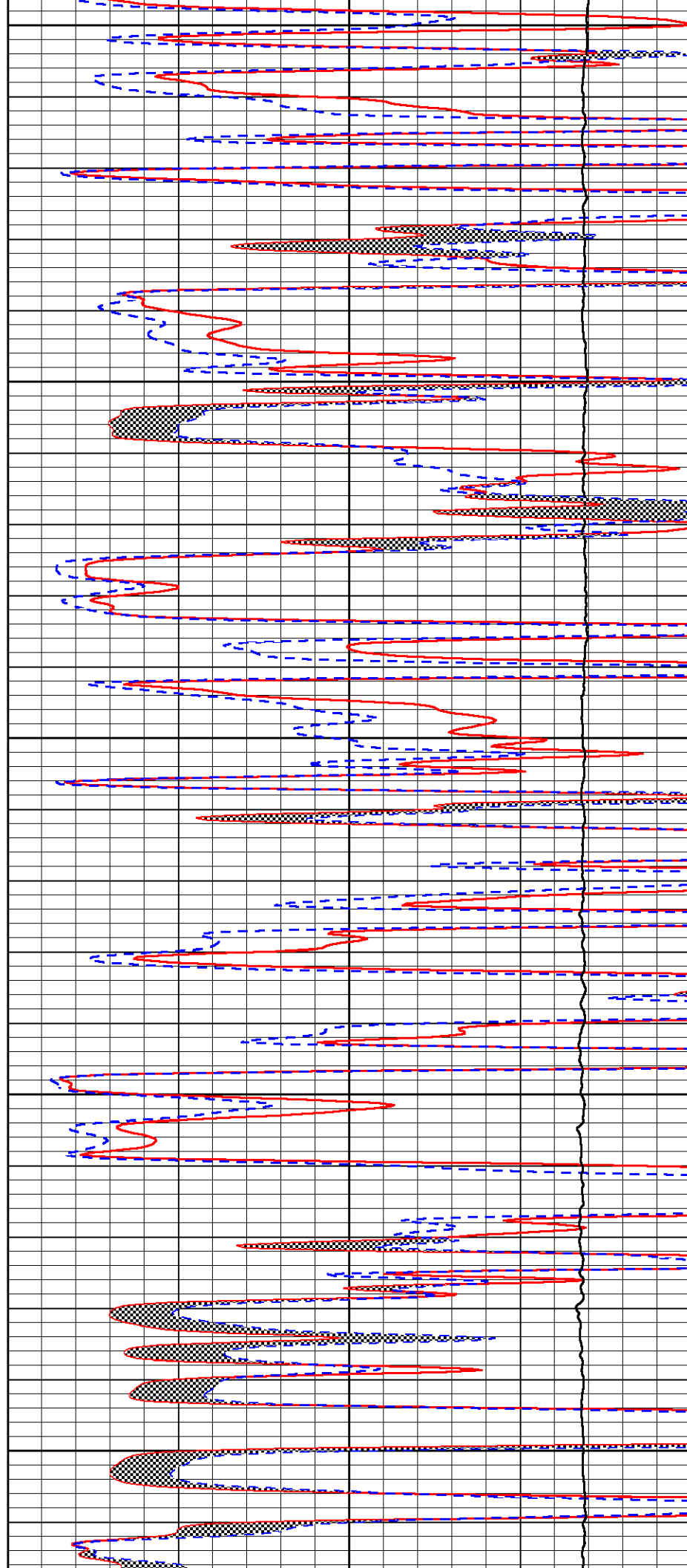
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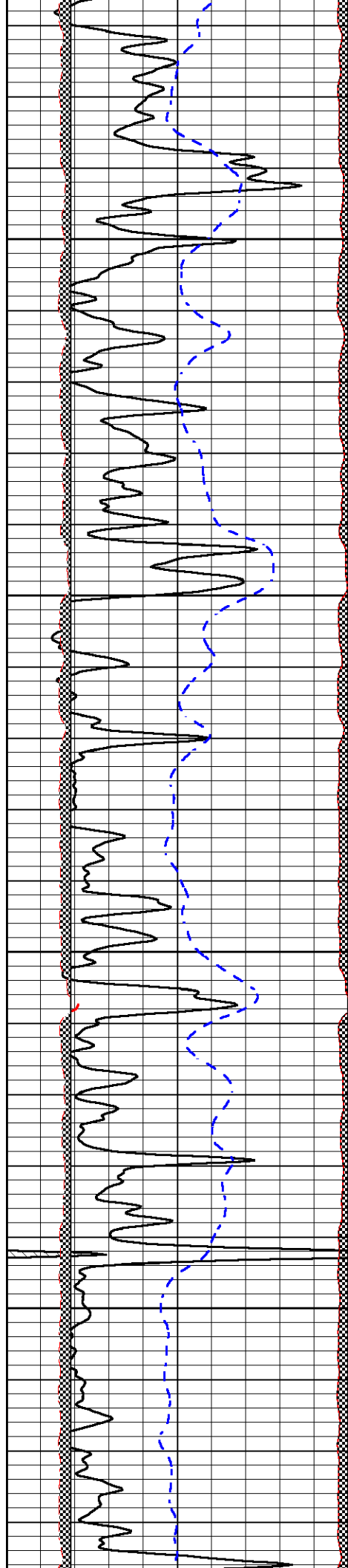
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3550

3600

3650



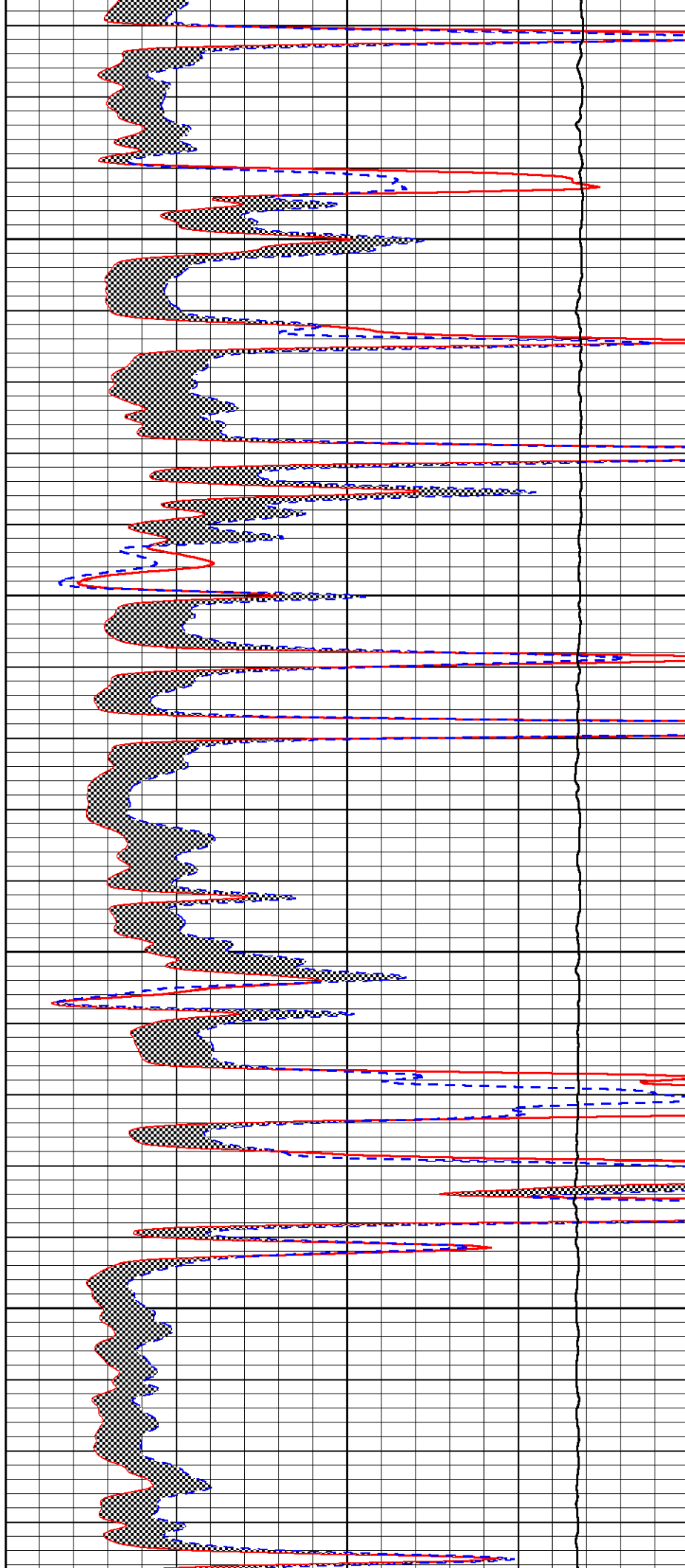


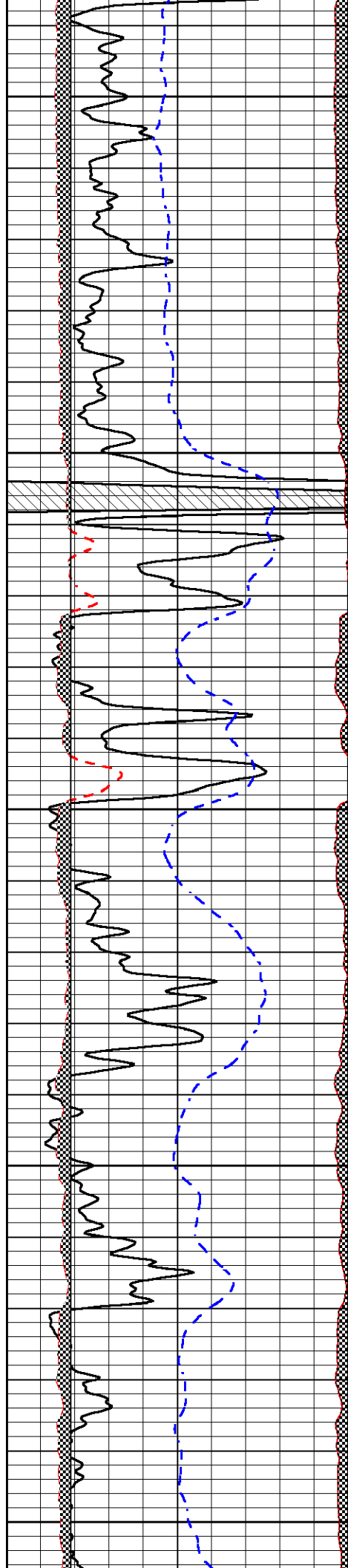
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3750

3800

3850





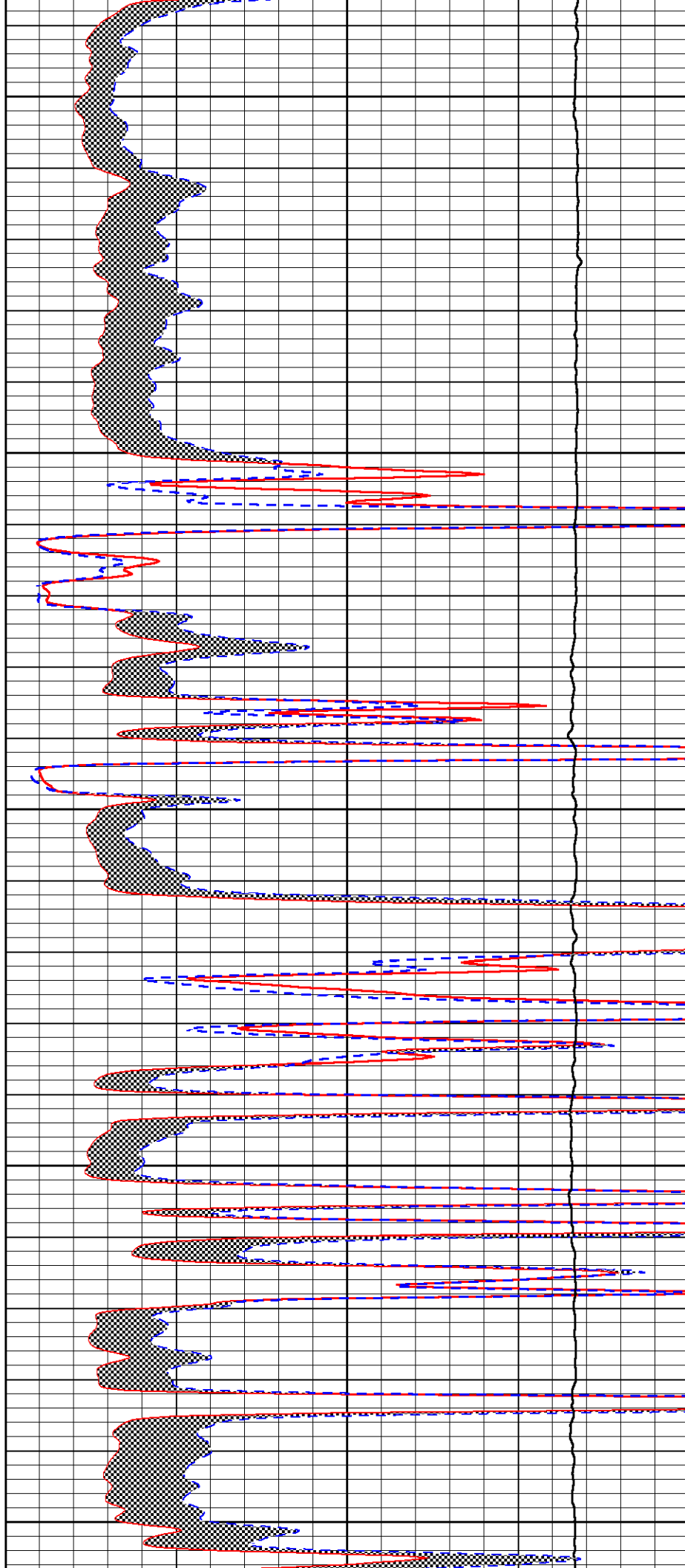
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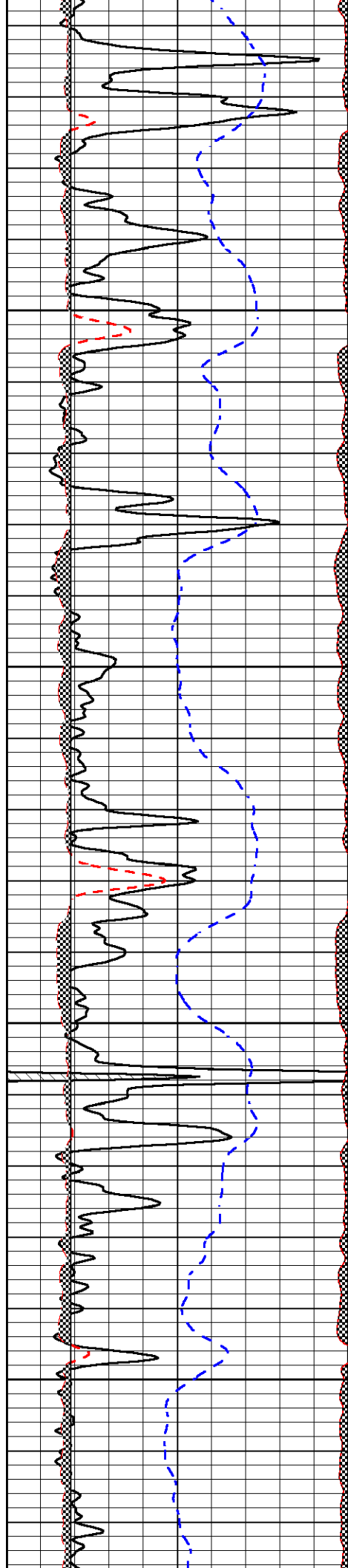
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4000

4050

4100



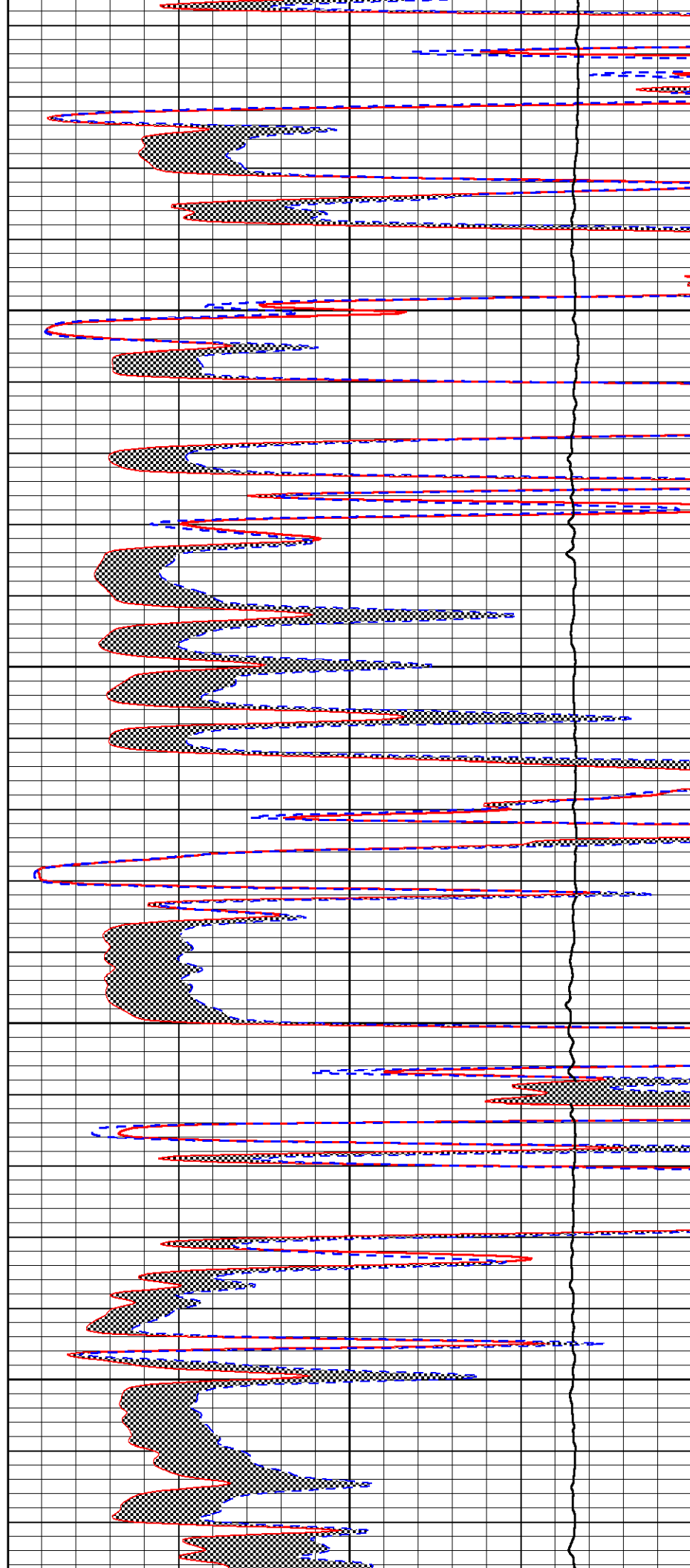


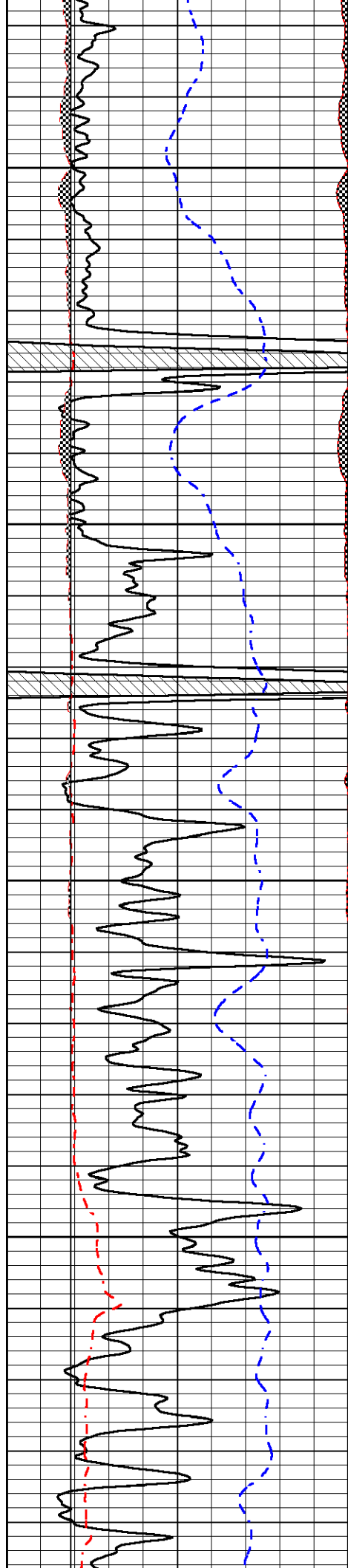
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4200

4250

4300



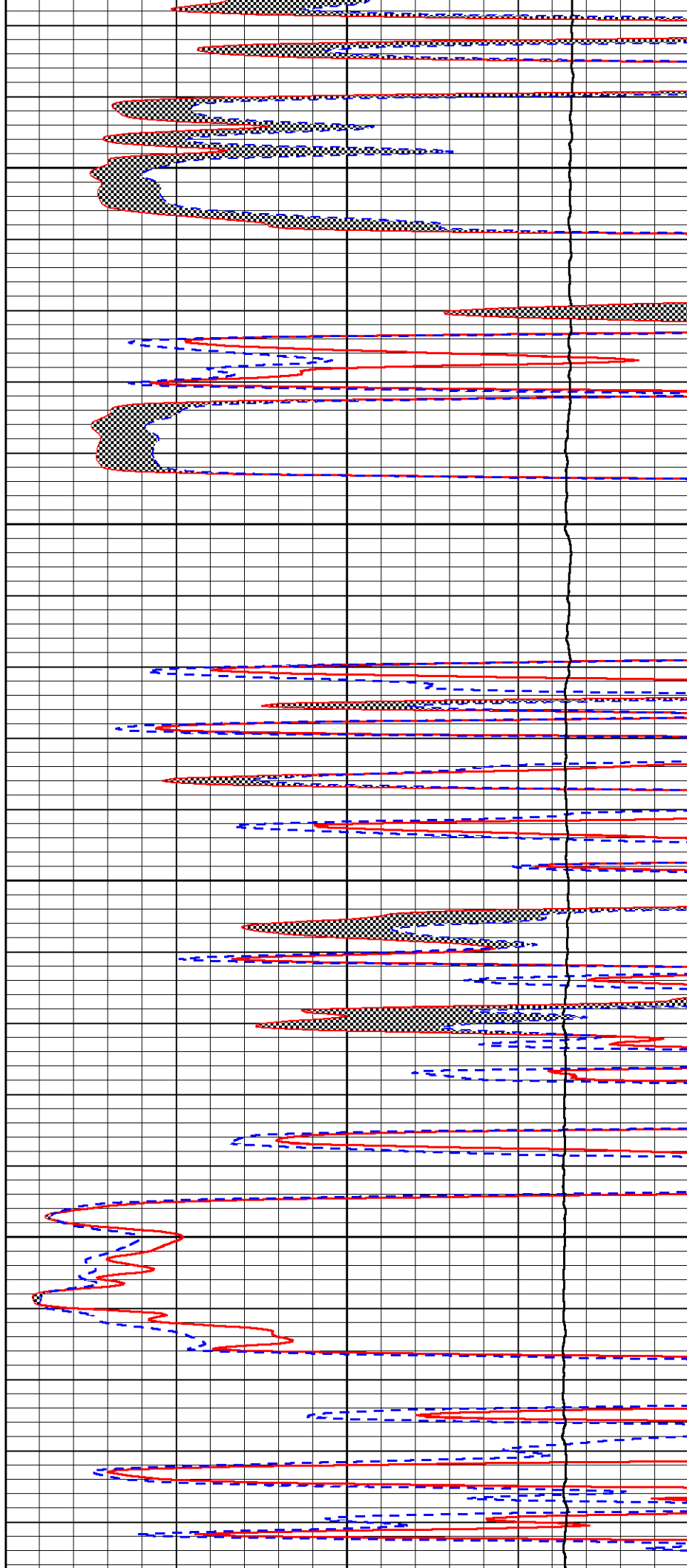


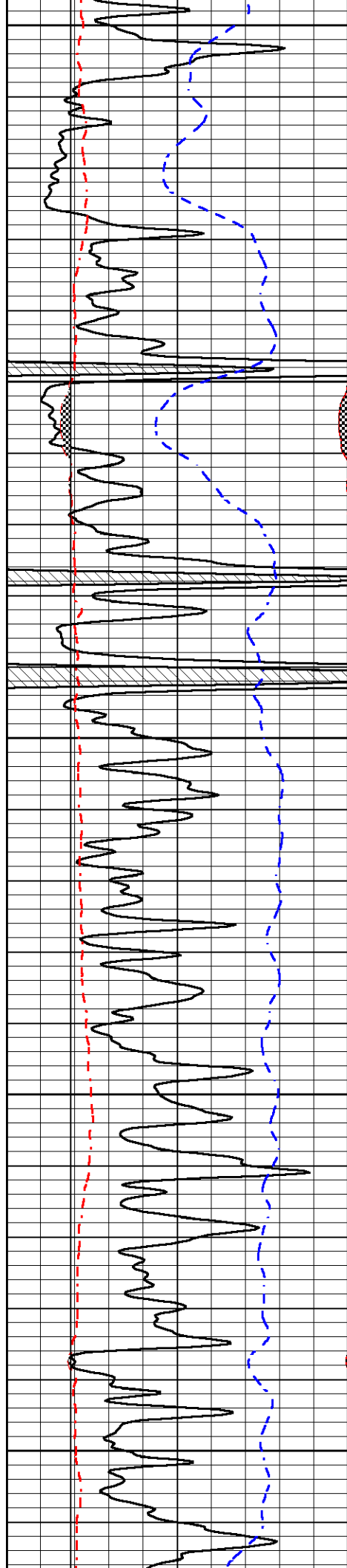
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4400

4450

4500





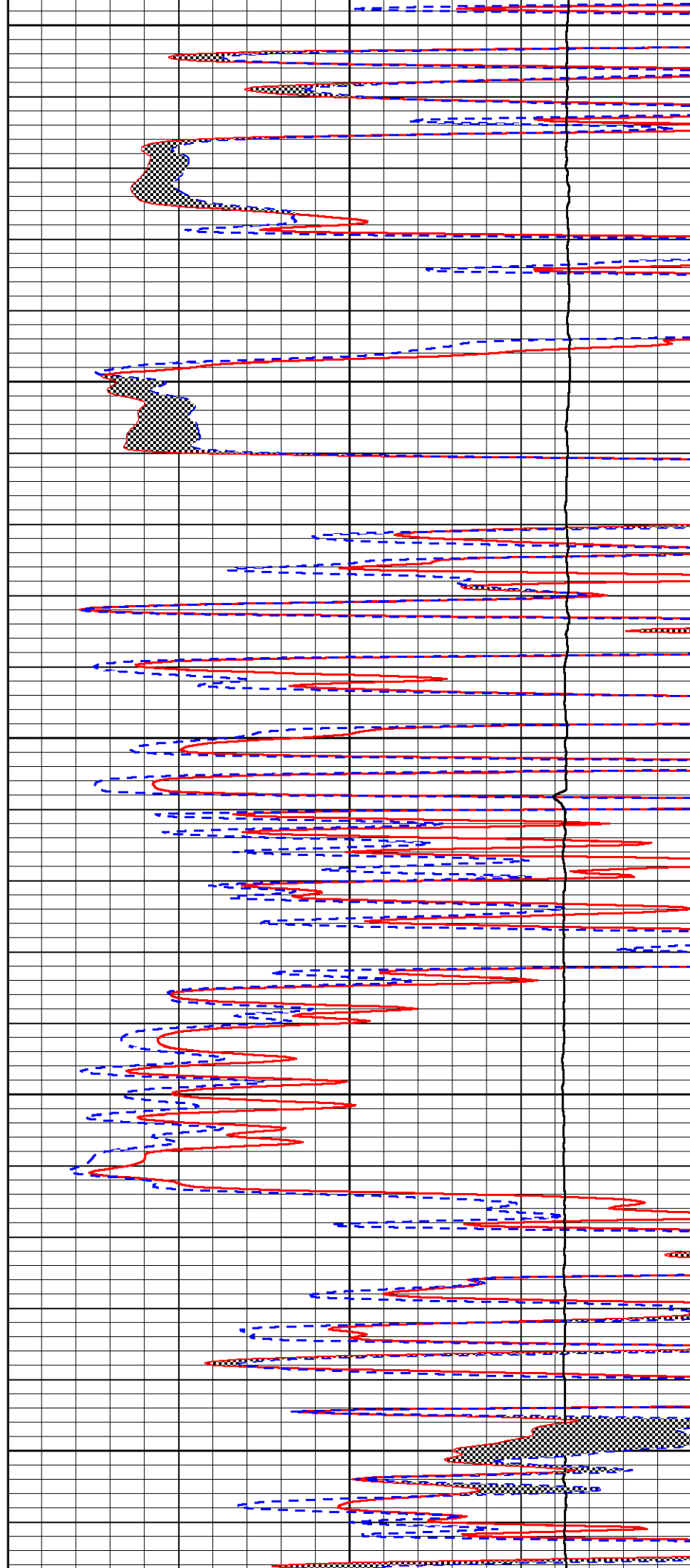
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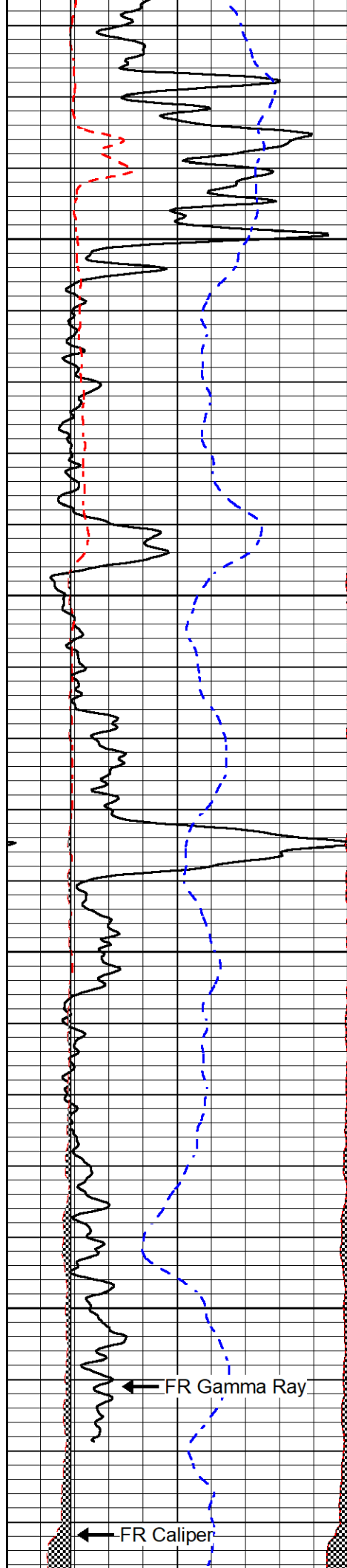
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4650

4700

4750



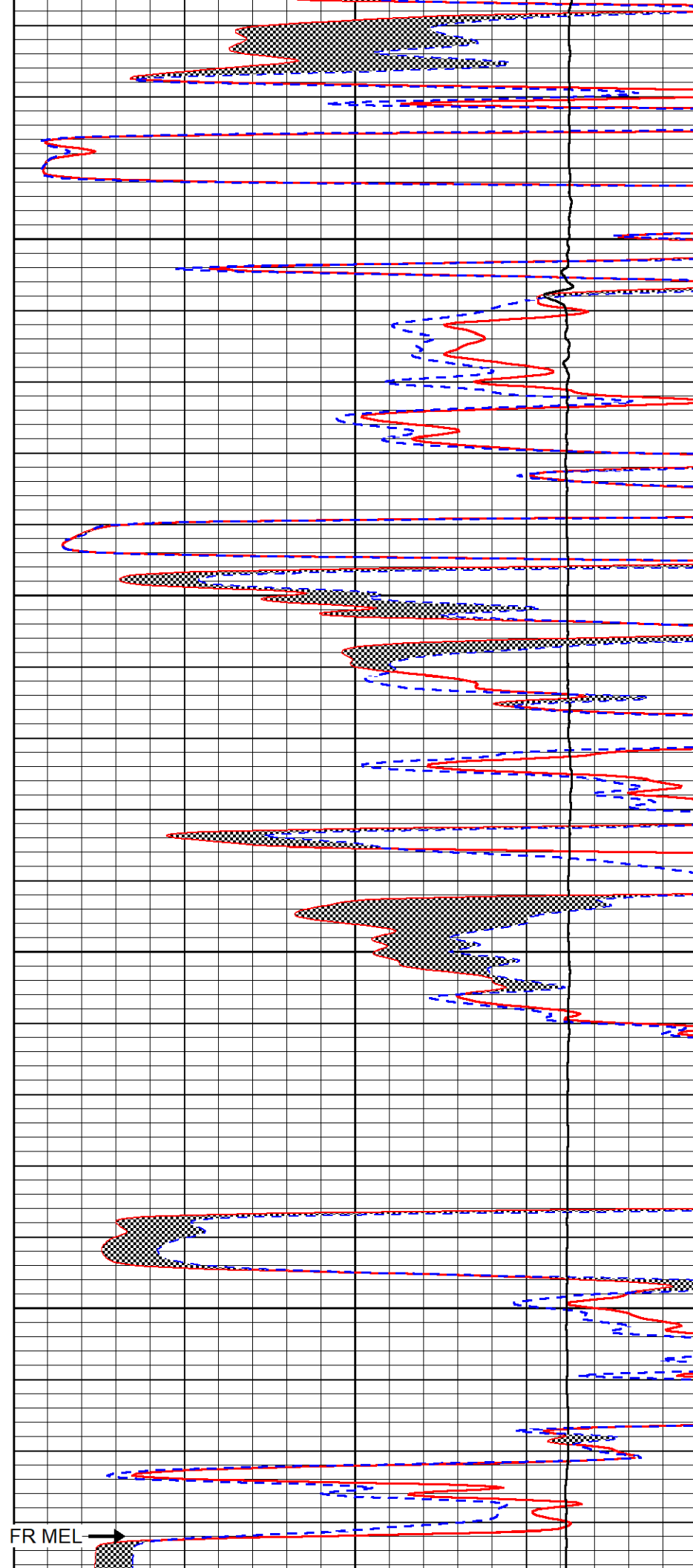


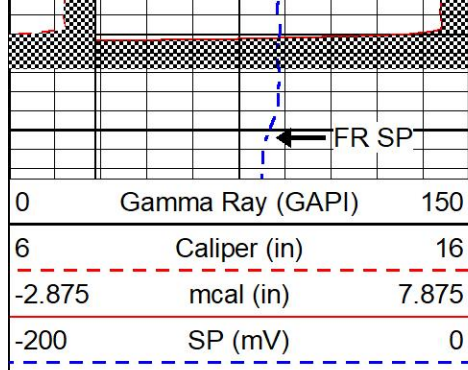
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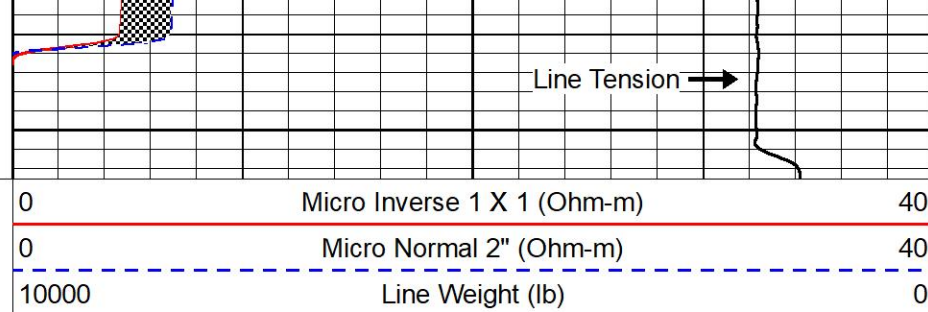
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4950





5000

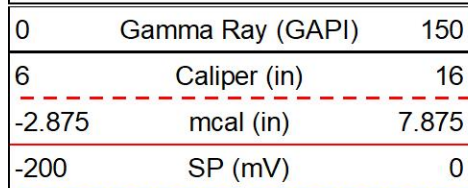


MIDWEST WIRELINE

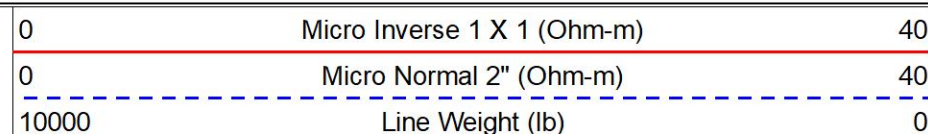
REPEAT SECTION

REPEAT PASS

Database File american_warrior_brate_beach_2-26.db
 Dataset Pathname stkml/pass2.1
 Presentation Format _micro
 Dataset Creation Thu May 05 19:20:26 2022
 Charted by Depth in Feet scaled 1:240

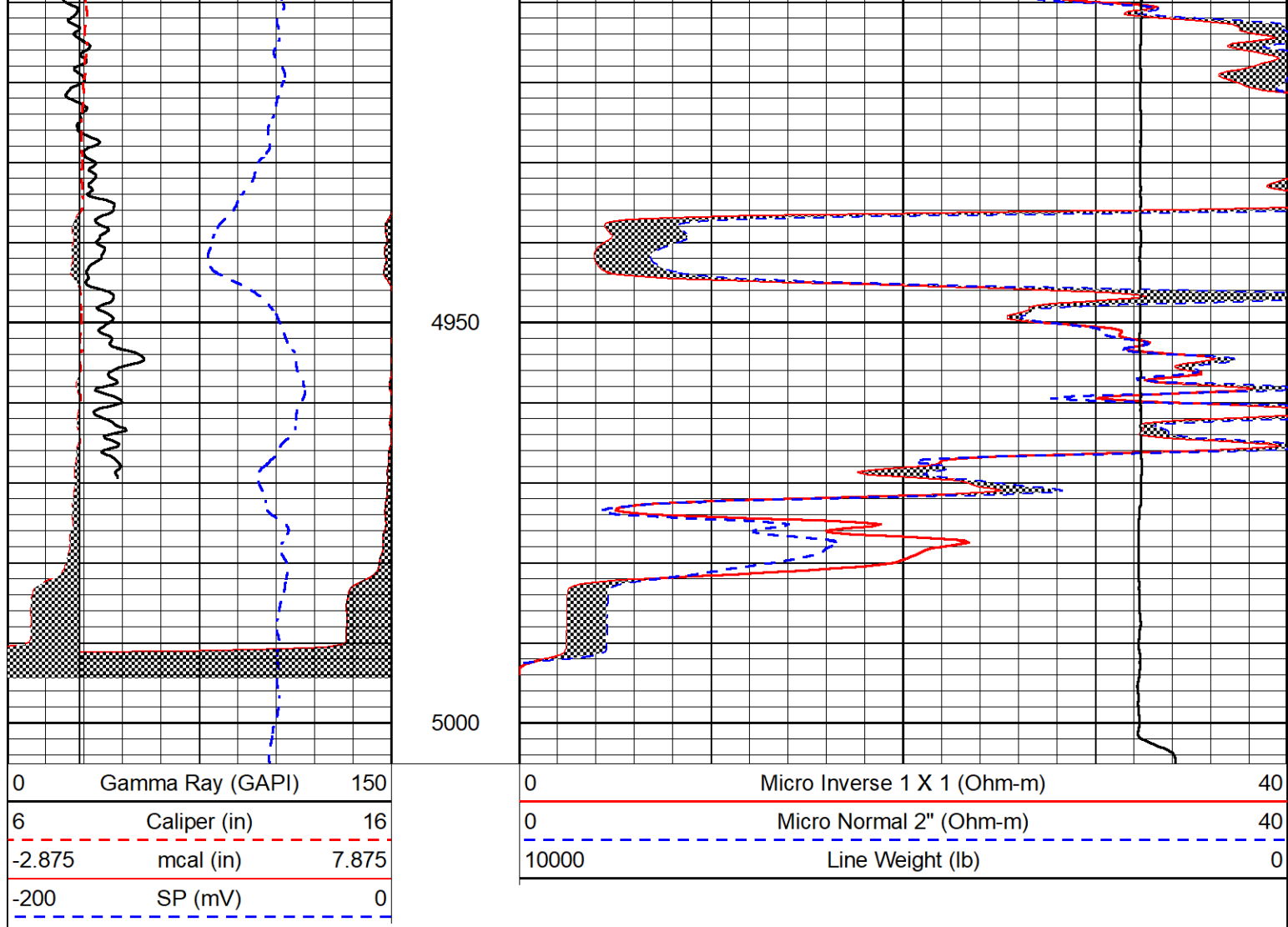


4800



4850

4900



Calibration Report	
Database File	american warrior_brate beach 2-26.db
Dataset Pathname	stkml/pass3.10
Dataset Creation	Thu May 05 18:10:28 2022

Dual Induction Calibration Report

Serial-Model:	501 HT-M&W
Surface Cal Performed:	Sat Apr 30 02:12:10 2022

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.455	-39.000
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.305	-34.000

Microlog Calibration Report

Serial-Model:	402-PSIML
Performed:	Mon Jan 24 20:31:16 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	24000.0000	-0.8000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	0.0000

Caliper 1.0052 1.0858 5.0000 16.5000 in 125.0000 -122.3500

Compensated Density Calibration Report

Serial-Model: 305-05-M&W
 Source #: 20762B
 Master Calibration Performed: Fri Apr 22 07:18:08 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	8862.47	9339.96	cps
Aluminum	2.600	g/cc	1556.73	5707.29	cps
Spine Angle = 74.19			Density/Spine Ratio = 0.467		
	Size		Reading		
Small Ring	4.00	in	1.74		
Large Ring	14.00	in	1.38		

Compensated Neutron Calibration Report

Serial-Model: 207-MW-M&W
 Source #: 100046B
 Master Calibration Performed: Mon Nov 29 15:06:24 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: 101
 Tool Model: M&W
 Performed: Mon Jan 24 19:14:46 2022

Calibrator Value: 500.0 GAPI

Background Reading: 24.0 cps
 Calibrator Reading: 637.0 cps

Sensitivity: 0.5500 GAPI/cps



Company American Warrior, Inc.
 Well O'Brate-Beach #2-26
 Field Wildcat
 County Finney
 State Kansas