

MIDWEST WIRELINE

MICRORESISTIVITY

Company Castle Resources, Inc.		Company Castle Resources, Inc.	
Well	Czirr #1	Well	Czirr #1
Field	Unnamed	Field	Unnamed
County	Wabaunsee	County	Wabaunsee
State	Kansas	State	Kansas
Location: API #: 15-197-20325-00-00		Other Services	
Permanent Datum NW/SE NW/SE		CNL/CDL	
Log Measured From Kelly Bushing		DIL/BHCS	
Drilling Measured From Kelly Bushing		Elevation 1137	
SEC 8 TWP 11S RGE 11E		K.B. 1142	
		D.F. 1137	
		G.L. 1137	
Date	9/12/2024		
Run Number	One		
Depth Driller	3100		
Depth Logger	3099		
Bottom Logged Interval	3098		
Top Log Interval	1200		
Casing Driller	8.625 @ 304		
Casing Logger	300		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1400		
Density / Viscosity	9.4 38		
pH / Fluid Loss	9.5 12.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.75 @ 76		
Rmt @ Meas. Temp	1.31 @ 76		
Rmc @ Meas. Temp	2.36 @ 76		
Source of Rmt / Rmc	Charts		
Rm @ BHT	1.24 @ 107		
Operating Rig Time	4.5 Hours		
Max Rec. Temp. F	107		
Equipment Number	P-24		
Location	Hays		
Recorded By	T. Martin		
Witnessed By	Jerry Green		

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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.

I-70 & McFarland Rd, 1/2 N to Sunflower,
1 E to Quail, 1.25 N to gate, N & W 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: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Jerry Green
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	40.33			GR-M&W (105)	3.00	3.50	50.00	
CNLSC CNSSC	37.23 36.48			CNT-M&W (201-M&W)	5.00	3.50	100.00	
LSD DCAL SSD	28.18 28.17 27.68			CDL-M&W (305-24)	8.50	4.00	250.00	
	ML-PSIML (401)			7.58	4.00	65.00		
							MCAL MI MN	19.58 19.58 19.58
RLL3F RLL3								15.50 15.50
CILD								8.33
							CILM	4.50
	SP			0.20				
Dataset: castle_czirr #1.db: field/well/StkMI/pass3.1 Total length: 42.33 ft Total weight: 685.00 lb O.D.: 4.00 in								

Log Variables

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

Top - Bottom

BOREID in 7.875	BOTTEMP degF 107	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 2	SNDERRM mmho/m -8.2	SPSHIFT mV 255	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 3099		

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
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

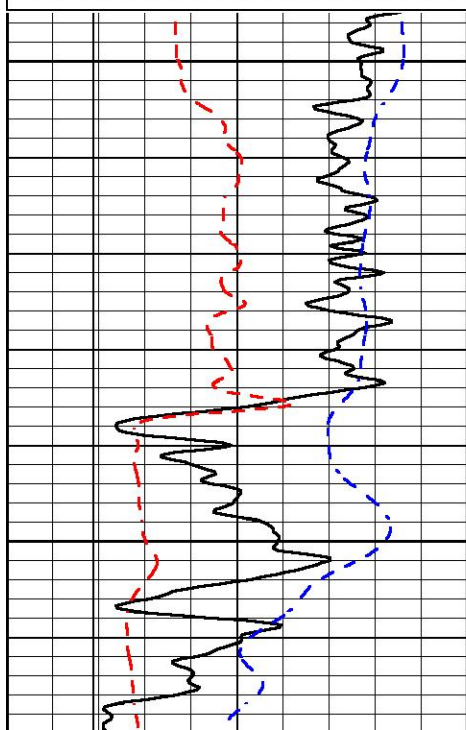
DETAIL SECTION

MAIN PASS

Database File castle_czirr #1.db
Dataset Pathname StkMI/pass3.1
Presentation Format _micro
Dataset Creation Thu Sep 12 11:31:32 2024
Charted by Depth in Feet scaled 1:240

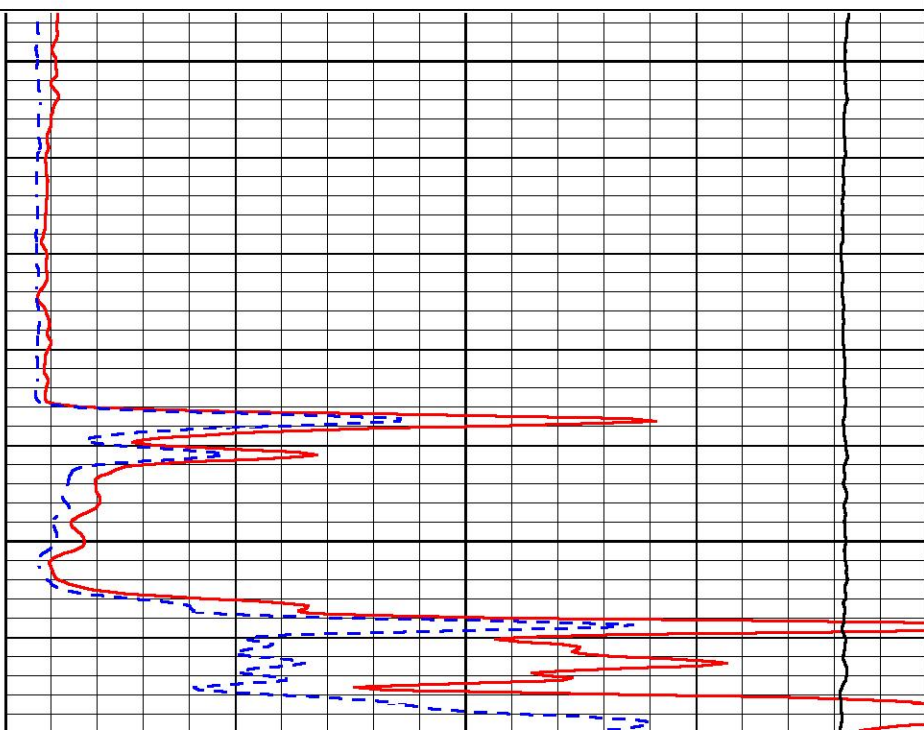
0	GR (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

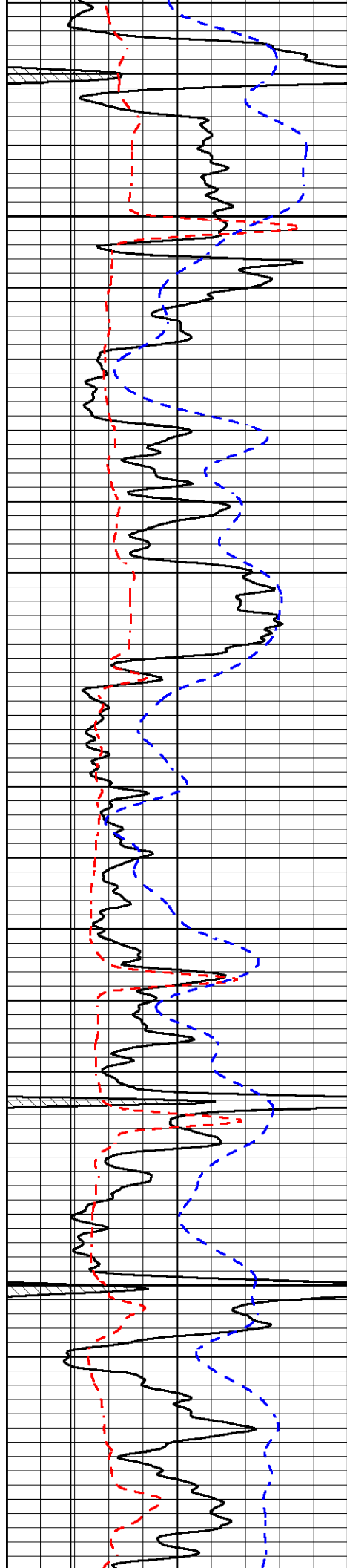
0	Micro Inverse 1 X 1 (Ohm-m)	80
0	Micro Normal 2" (Ohm-m)	80
10000	Line Weight (lb)	0



1200

1250



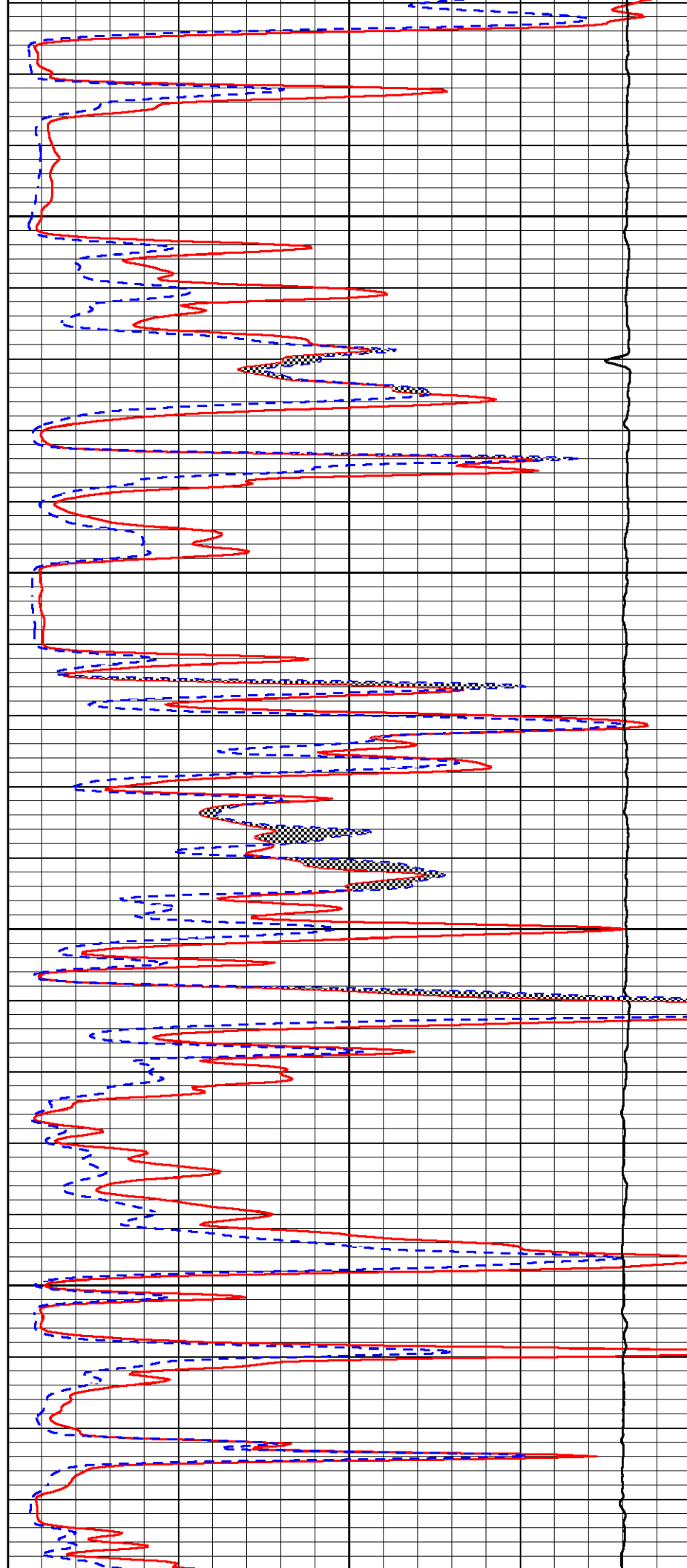


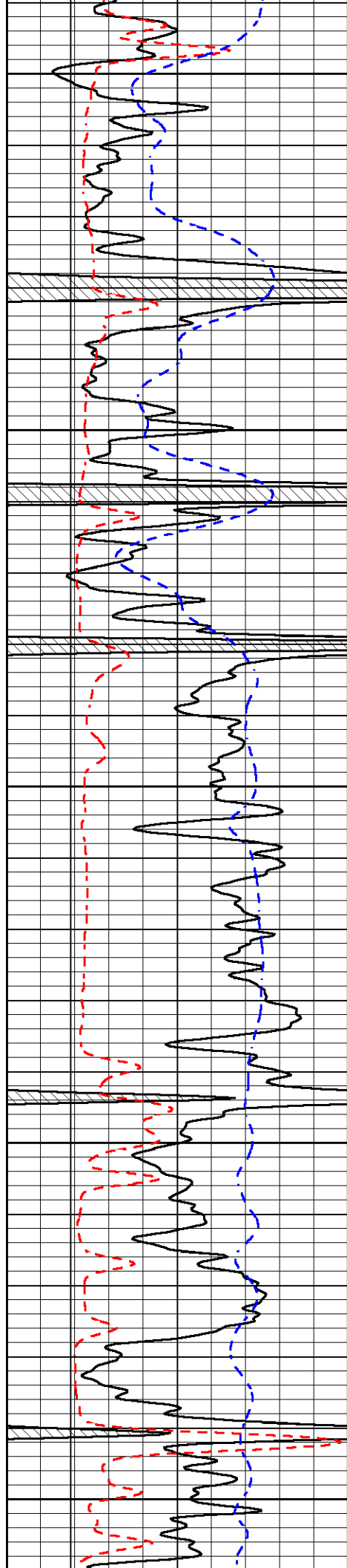
1300

1350

1400

1450





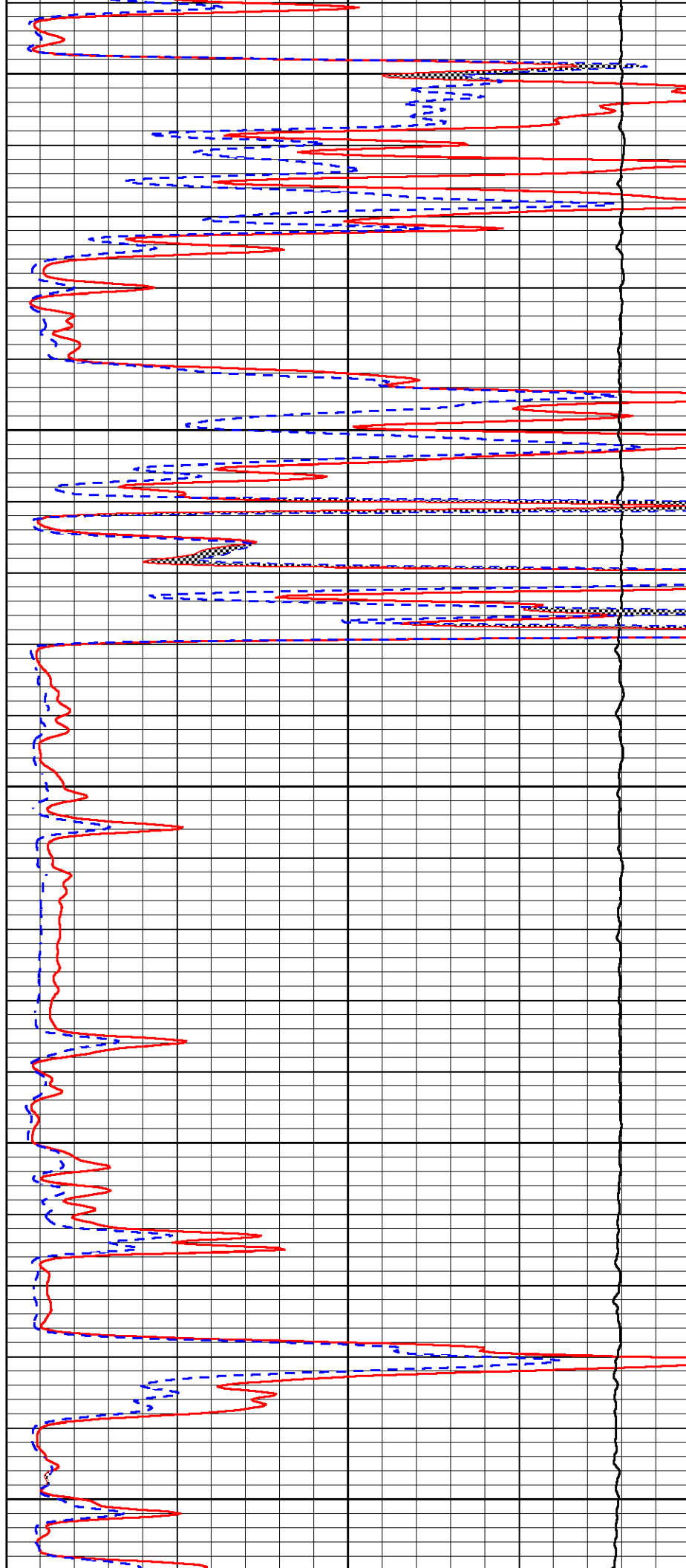
1500

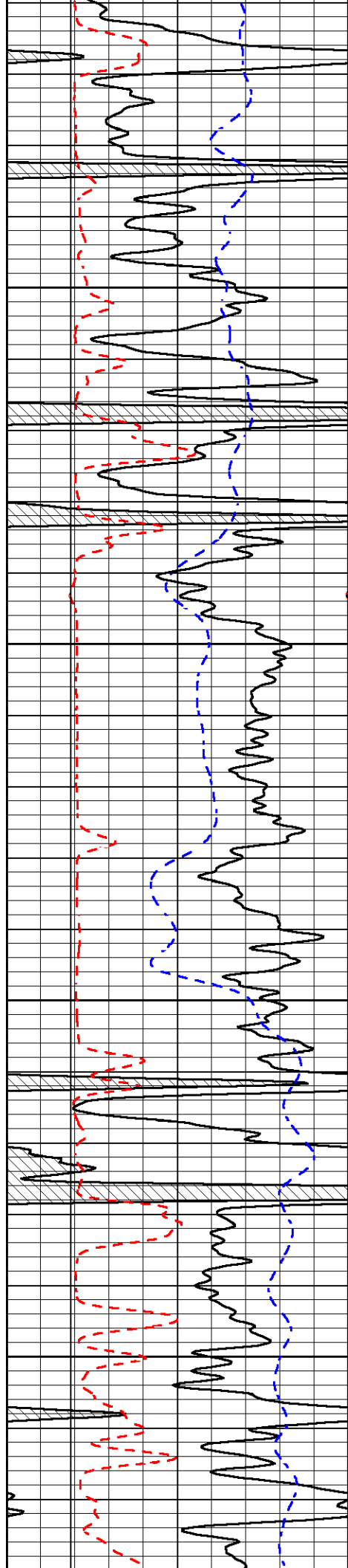
1550

1600

1650

1700



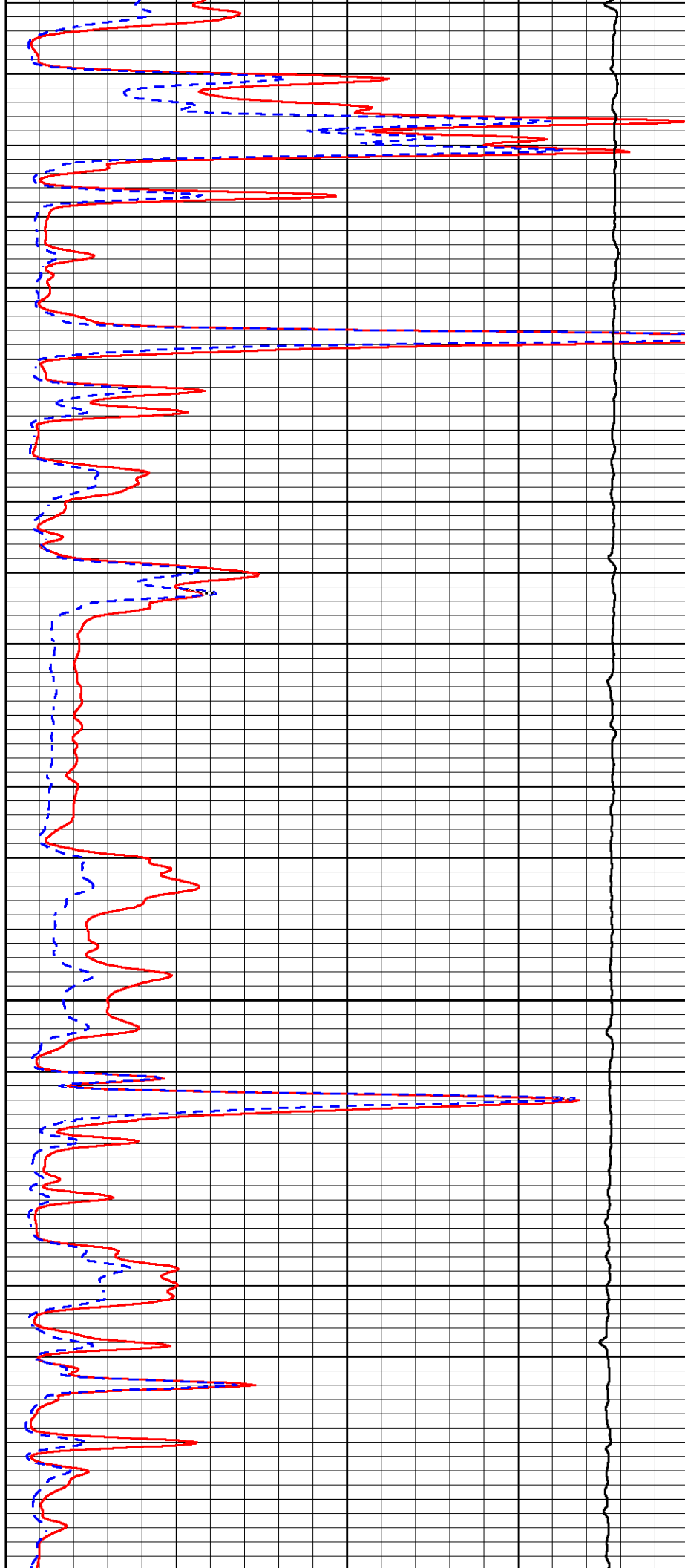


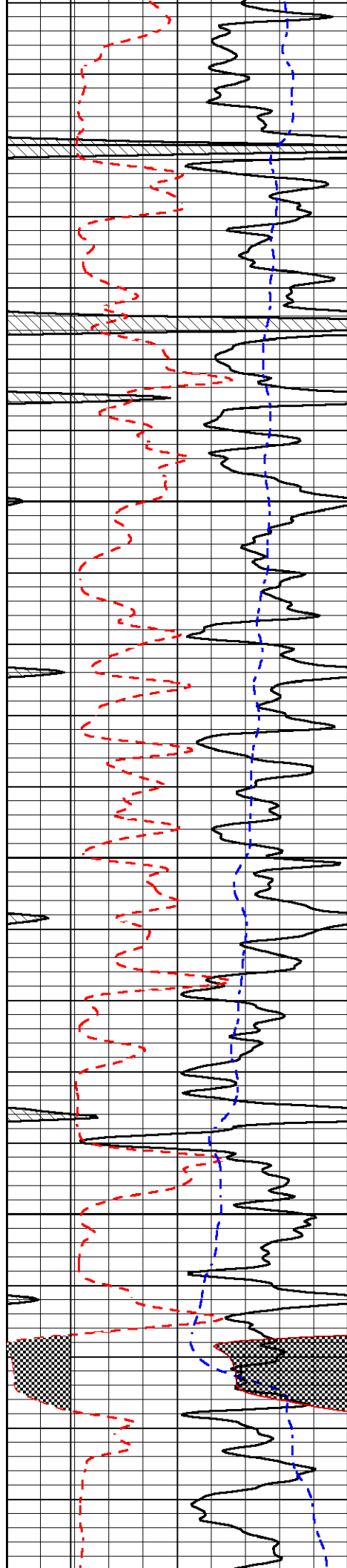
1750

1800

1850

1900





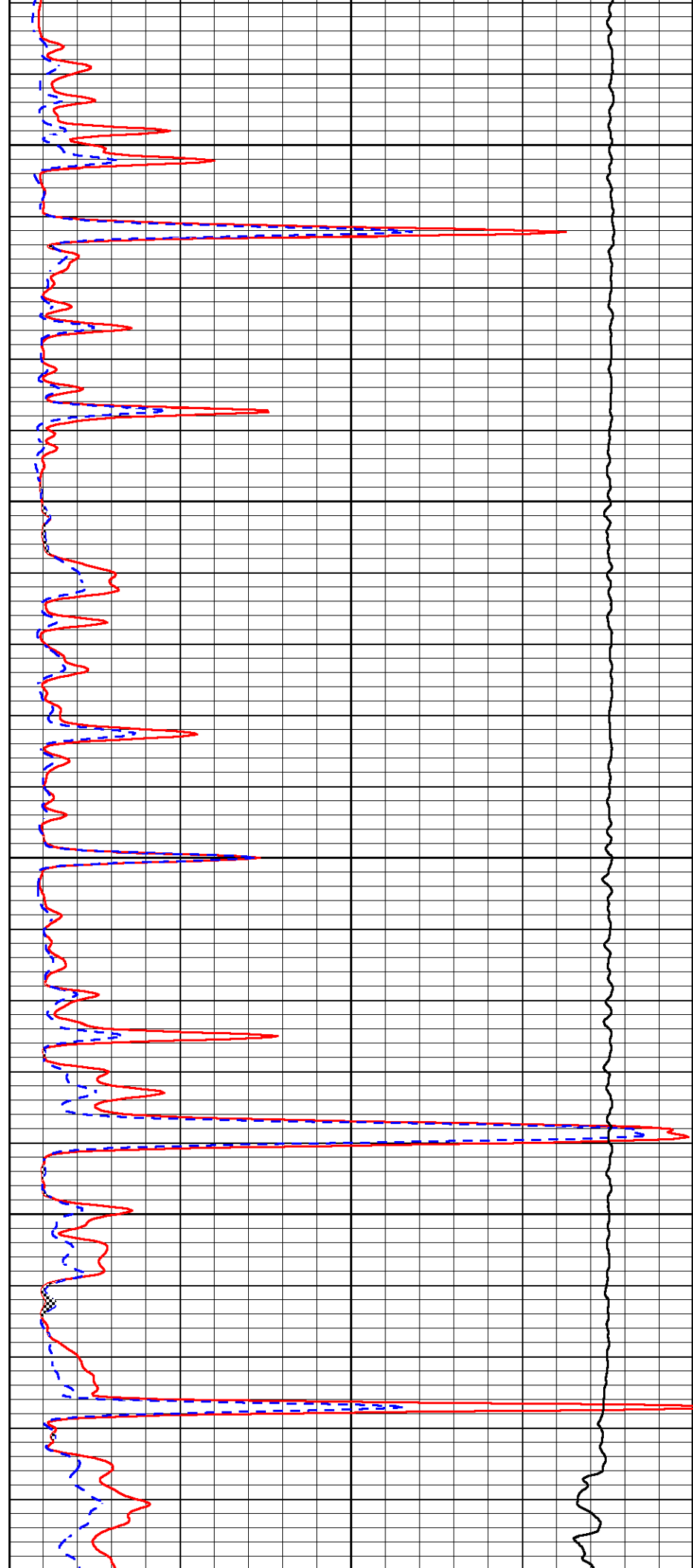
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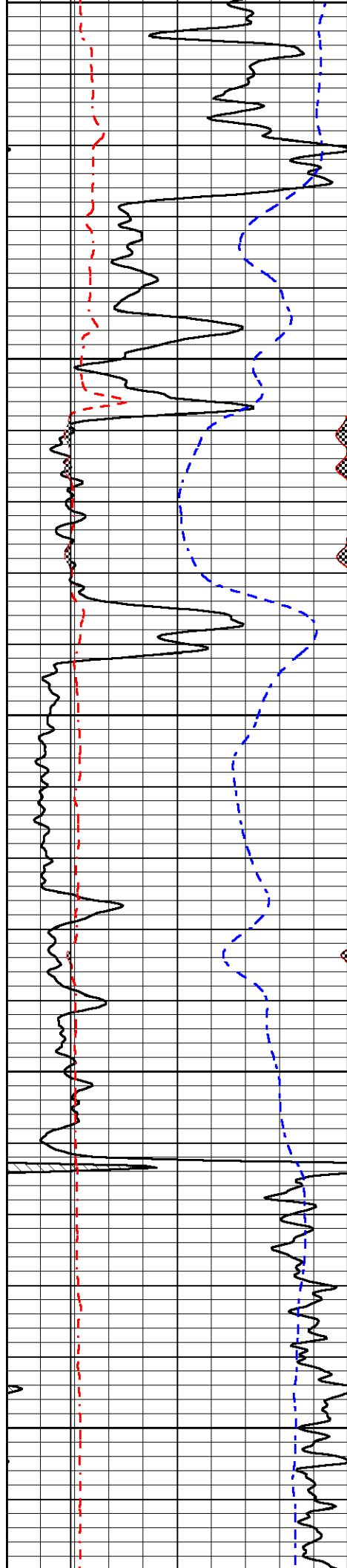
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2050

2100

2150





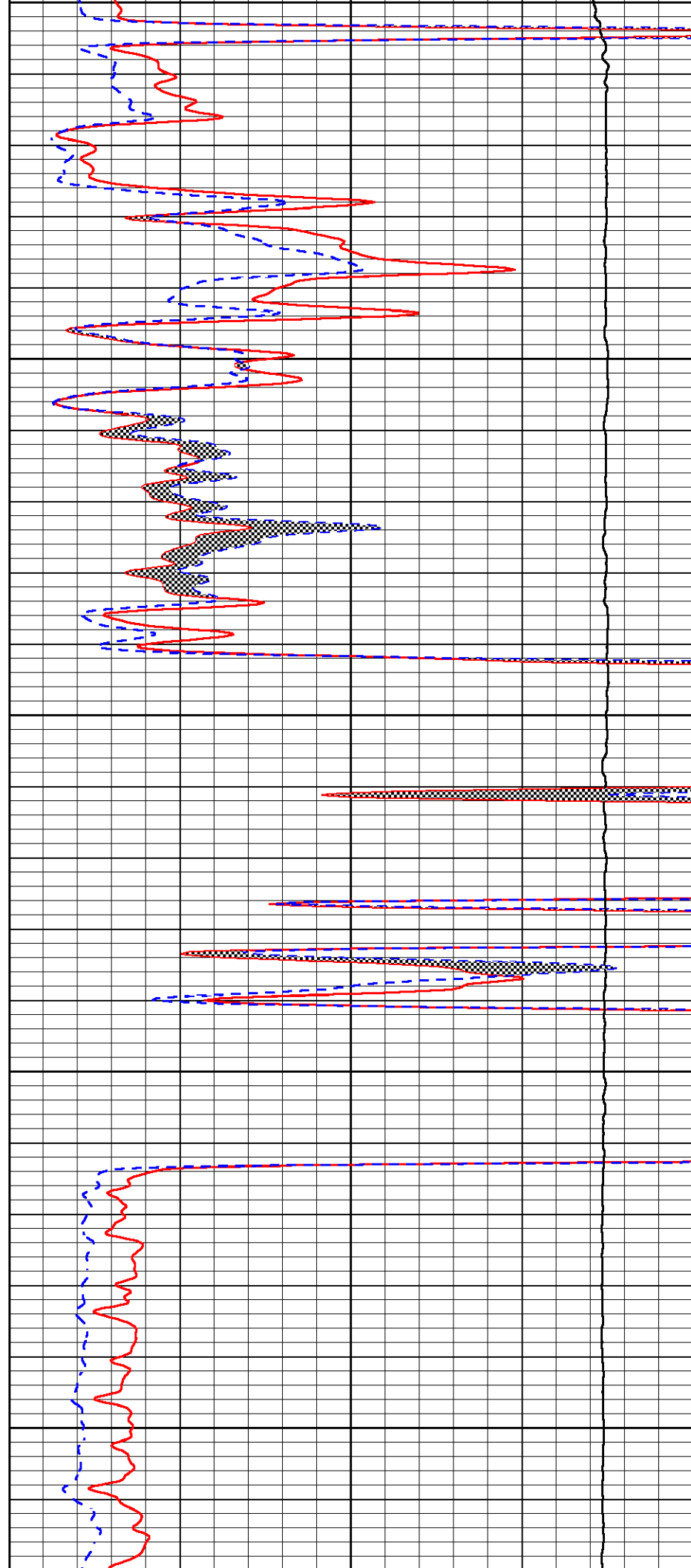
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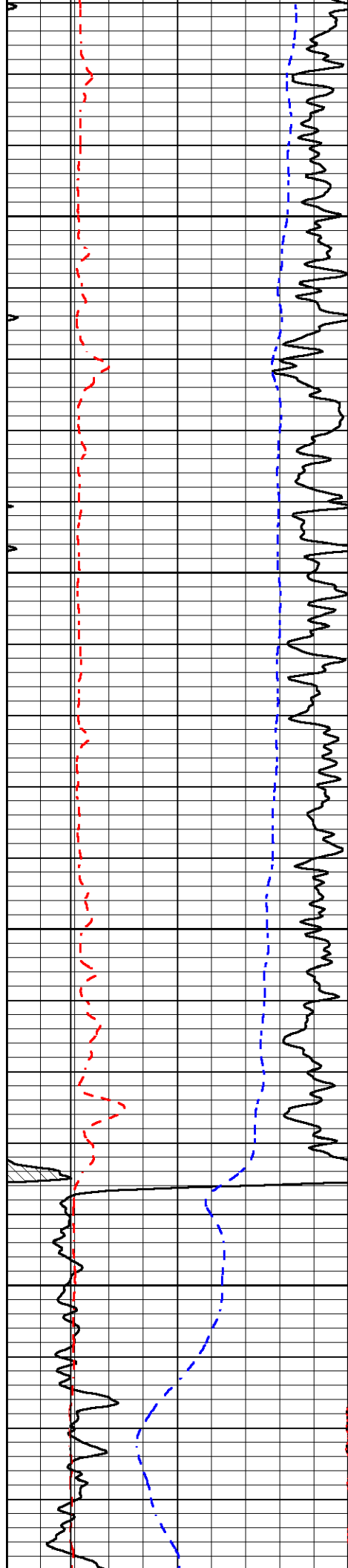
2200

2250

2300

2350



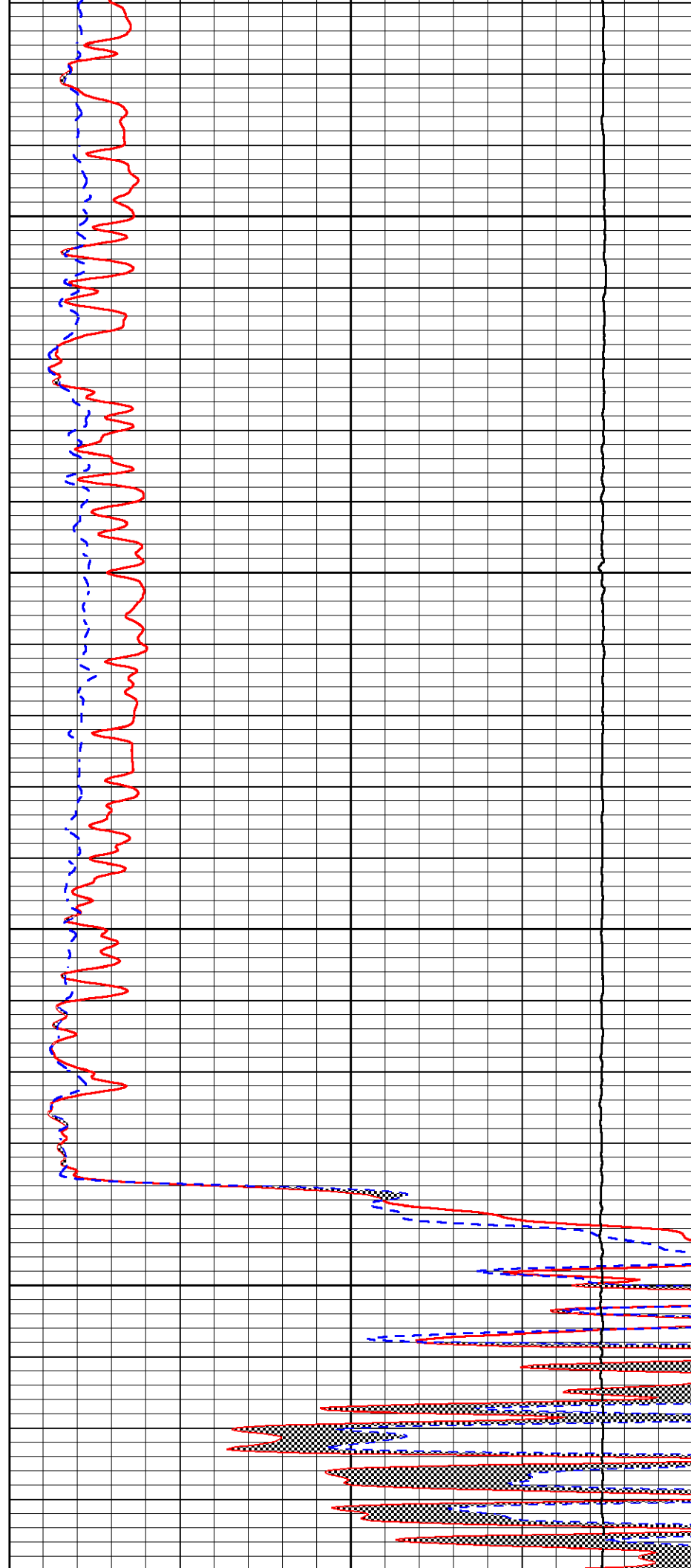


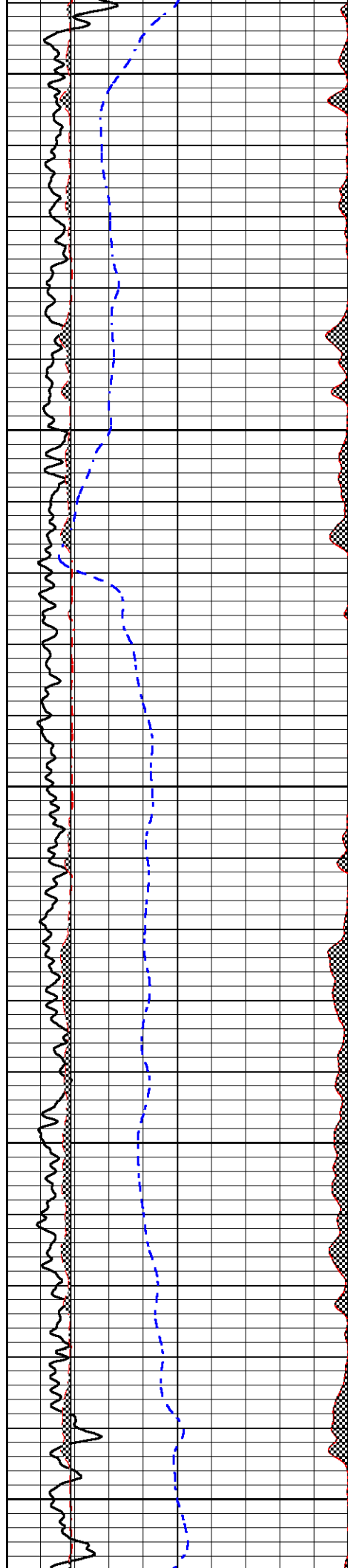
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2450

2500

2550





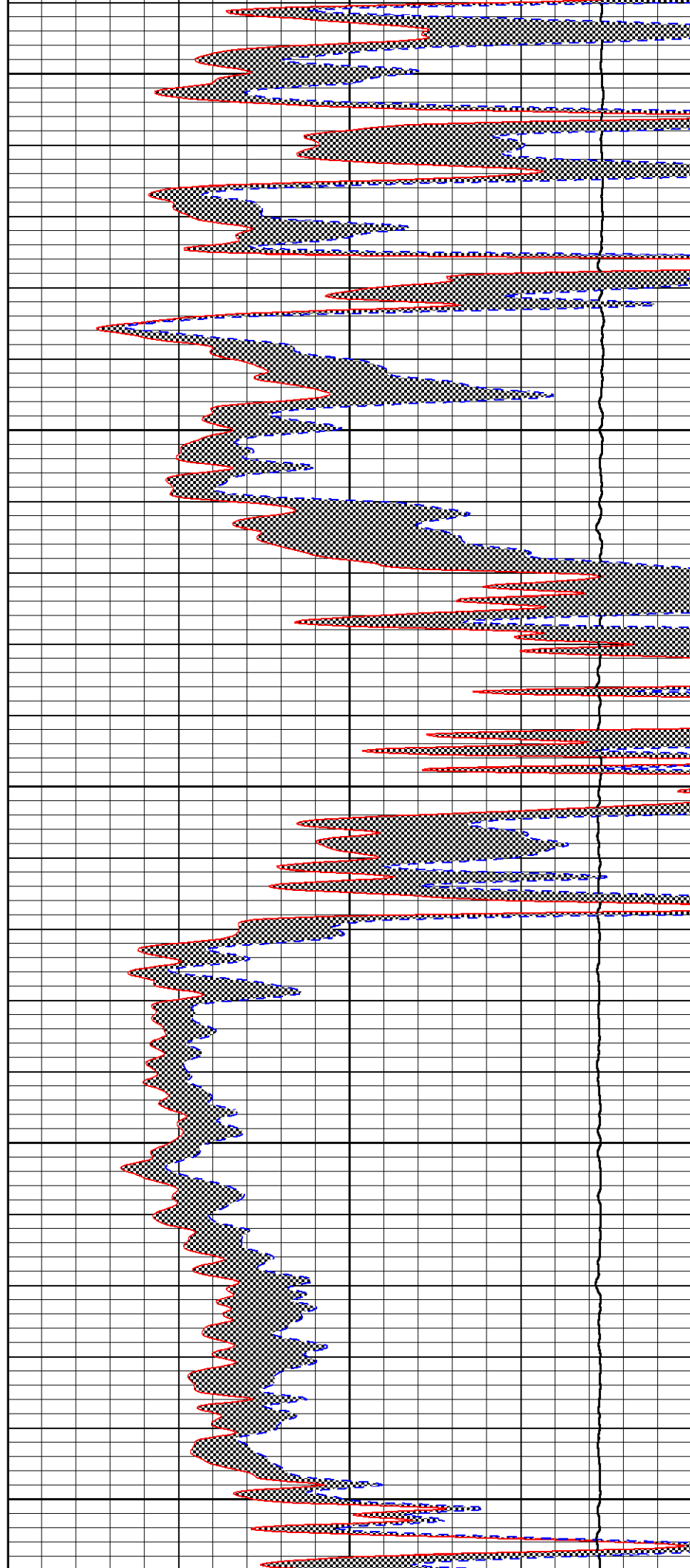
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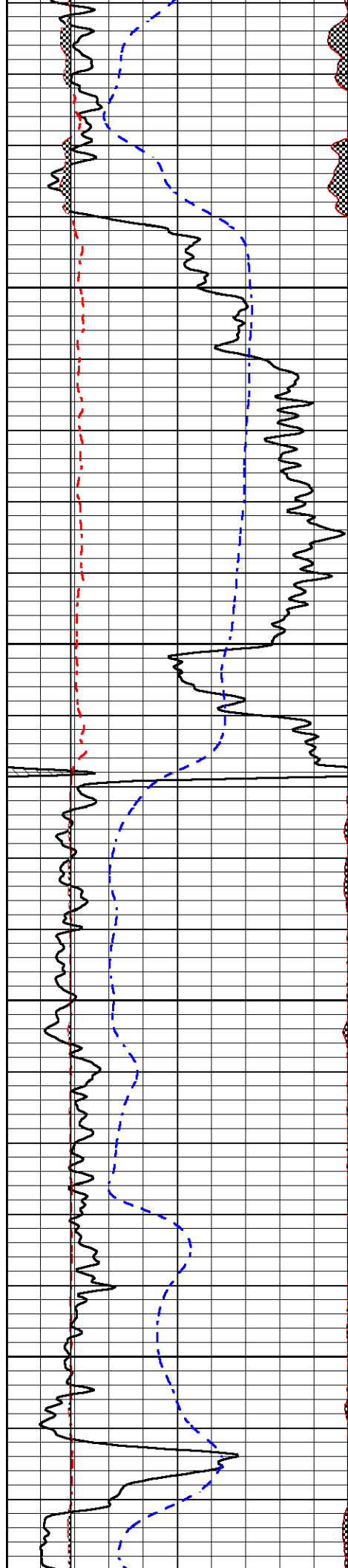
2650

2700

2750

2800



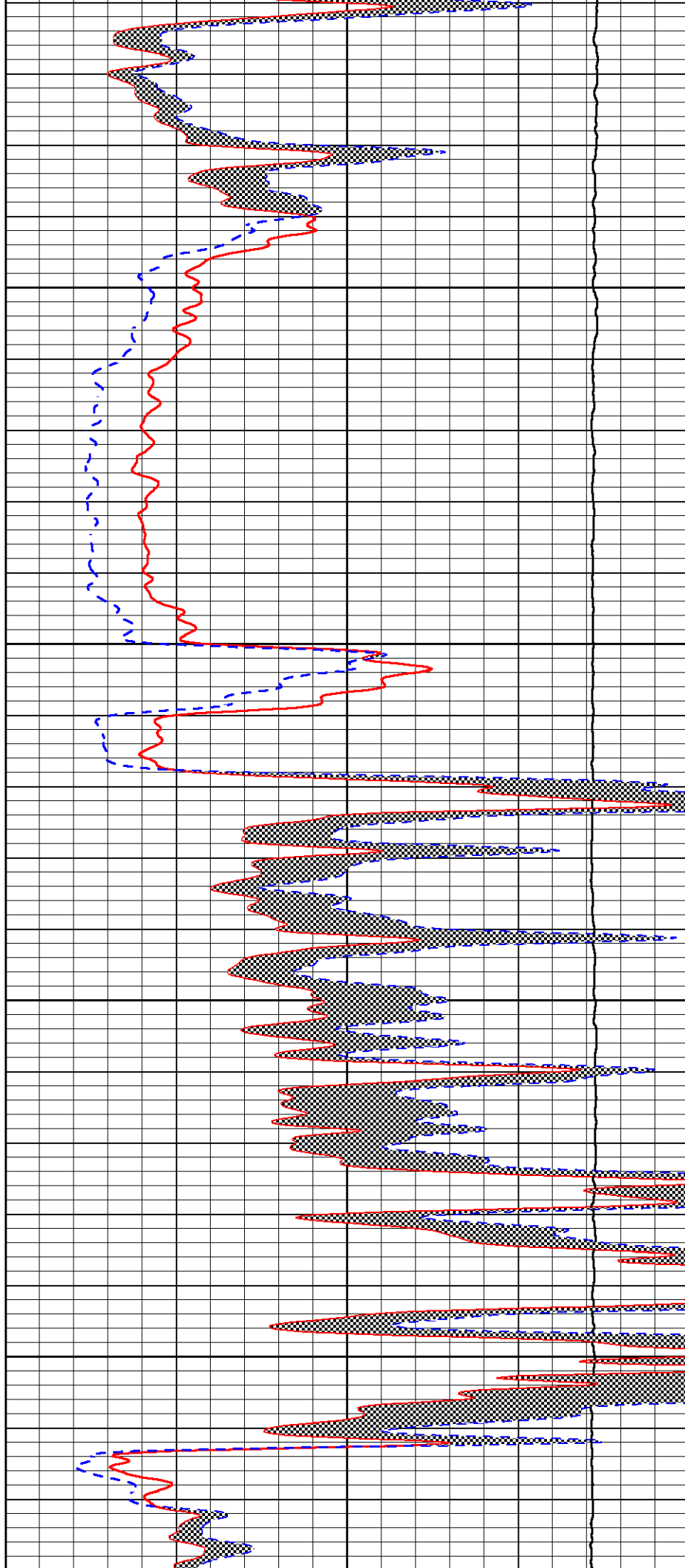


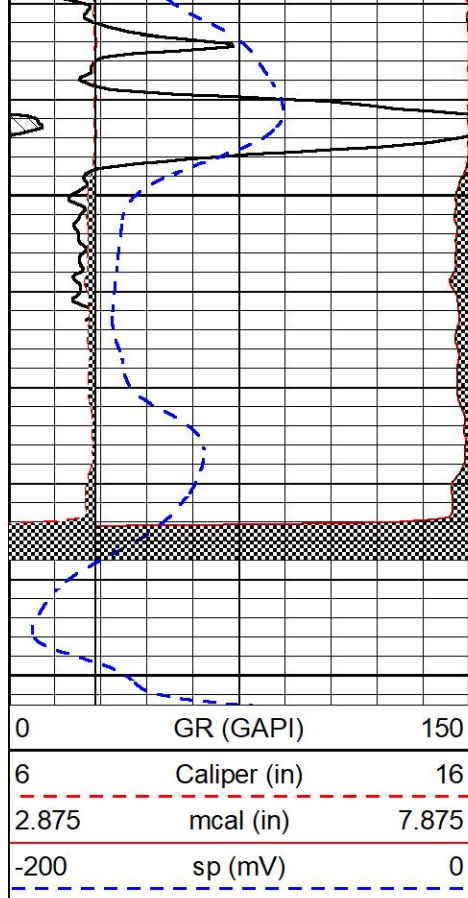
2850

2900

2950

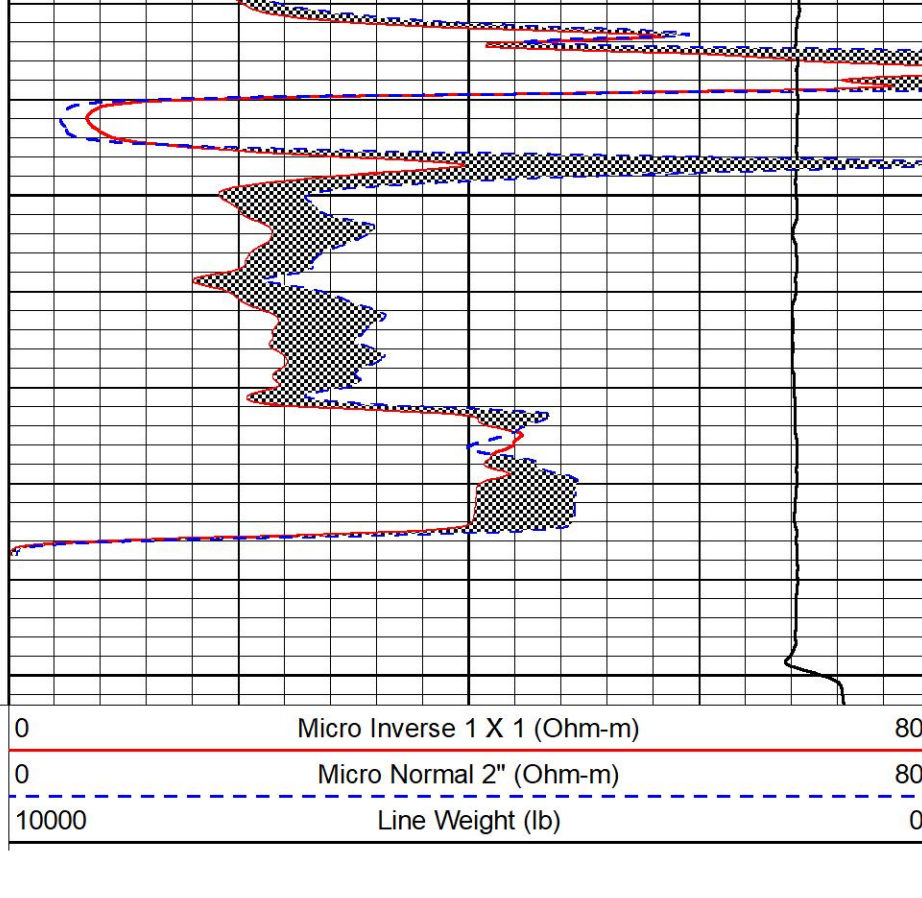
3000





3050

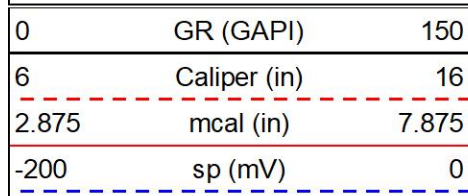
3100



REPEAT SECTION

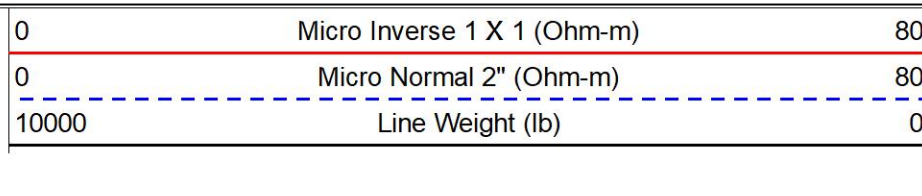
REPEAT PASS

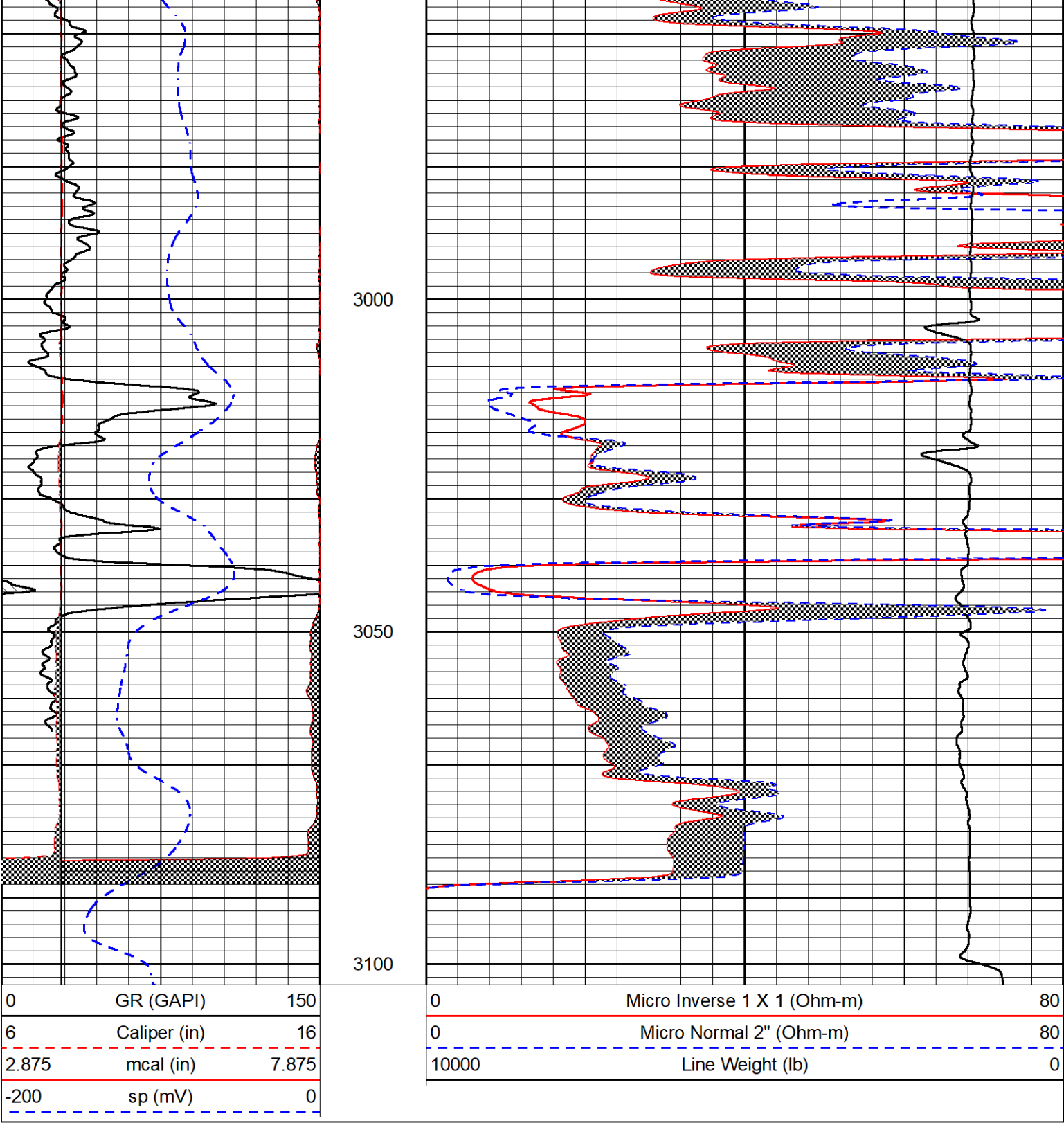
Database File castle_czirr #1.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _micro
 Dataset Creation Thu Sep 12 11:08:43 2024
 Charted by Depth in Feet scaled 1:240



2900

2950





Calibration Report

Database File castle_czirr #1.db
Dataset Pathname StkMI/pass3.1
Dataset Creation Thu Sep 12 11:31:32 2024

Dual Induction Calibration Report

Serial-Model: 507-M&W
Surface Cal Performed:

Readings		References		Results	
Loop:	Air	Loop	Air	Loop	m
					b

	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number: 105
 Tool Model: M&W
 Performed: Mon Aug 7 20:46:01 2023

 Calibrator Value: 500.0 GAPI

 Background Reading: 24.0 cps
 Calibrator Reading: 637.0 cps

 Sensitivity: 0.6000 GAPI/cps



MIDWEST WIRELINE

Company Castle Resources, Inc.
 Well Czirr #1
 Field Unnamed
 County Wabaunsee
 State Kansas