



MIDWEST WIRELINE

MICRORESISTIVITY LOG

Company Knighton Oil Company, Inc.
 Well Kipp C #1-26
 Field Kipp
 County Stafford
 State Kansas

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 Well Kipp C #1-26
 Field Kipp
 County Stafford State Kansas

Location: API #: 15-185-24152-00-00
 SE SW NW SW
 1325 FSL & 637 FWL
 SEC 26 TWP 25S RGE 14W
 Permanent Datum Ground Level Elevation 1980
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 CNL/CDL
 DIL/BHCS
 Elevation
 K.B. 1991
 D.F.
 G.L. 1980

Date	4/24/2024
Run Number	One
Depth Driller	4381
Depth Logger	4381
Bottom Logged Interval	4380
Top Log Interval	1700
Casing Driller	8,625 @ 432
Casing Logger	425
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4500
Density / Viscosity	9.3 58
pH / Fluid Loss	9.5 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.85 @ 72
Rmt @ Meas. Temp	0.64 @ 72
Rmc @ Meas. Temp	1.15 @ 72
Source of Rmf / Rmc	CHARTS
Rm @ BHT	0.51 @ 120
Operating Rig Time	5 Hours
Max Rec. Temp. F	120
Equipment Number	P-108
Location	HAYS
Recorded By	T. Martin
Witnessed By	Sean Deenihan

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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.

St John, KS, S to SW 70th,
 5 W, 3/4 S, E 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		This Log Record Was Witnessed By	
Engineer: T. Martin	Operator:	Primary Witness: Sean Deenihan	Secondary Witness:
Operator:	Operator:	Secondary Witness:	Secondary Witness:
Operator:		Secondary Witness:	

Operator	Offset (ft)	Substrate	Description	Length (ft)	C.D. (in)	Weight (lb)
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Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.75		GR-M&W (102)	3.00	3.50	50.00
CNLSC CNSSC	37.65 36.90		CNT-M&W (207)	5.00	3.50	100.00
			MWLith-STEP LITHO (704-10) Long Litho Mandrel	8.92	5.00	250.00
LCAL	28.21					
LLW8N	28.21					
LLW7N	28.21					
LLW6N	28.21					
LLW5N	28.21					
LLW4N	28.21					
LLW3N	28.21					
LLW2N	28.21		ML-PSIML (401)	7.58	4.00	65.00
LLW1N	28.21					
LSLOCK	27.96					
LLLOCK	27.96					
PELTMPR	27.96					
LSHVNG	27.96					
LLHVNG	27.96					
LSW8N	27.71					
LSW7N	27.71					
LSW6N	27.71					
LSW5N	27.71					
LSW4N	27.71					
LSW3N	27.71					
LSW2N	27.71					
LSW1N	27.71					
MCAL	19.58	DIL-M&W (507)	18.25	3.50	220.00	
MI	19.58					
MN	19.58					
RLL3F	15.50					
RLL3	15.50					
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: knighton_kipp c #1-26.db: field/well/StkMI/pass3.1
 Total length: 42.75 ft
 Total weight: 685.00 lb
 O.D.: 5.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\knighton_kipp c #1-26.db
 Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 120	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 2.5	SNDERRM mmho/m -3.5	SPSHIFT mV 300	SRFTEMP degF 70	SZCOR Off	TDEPTH ft 4381		

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



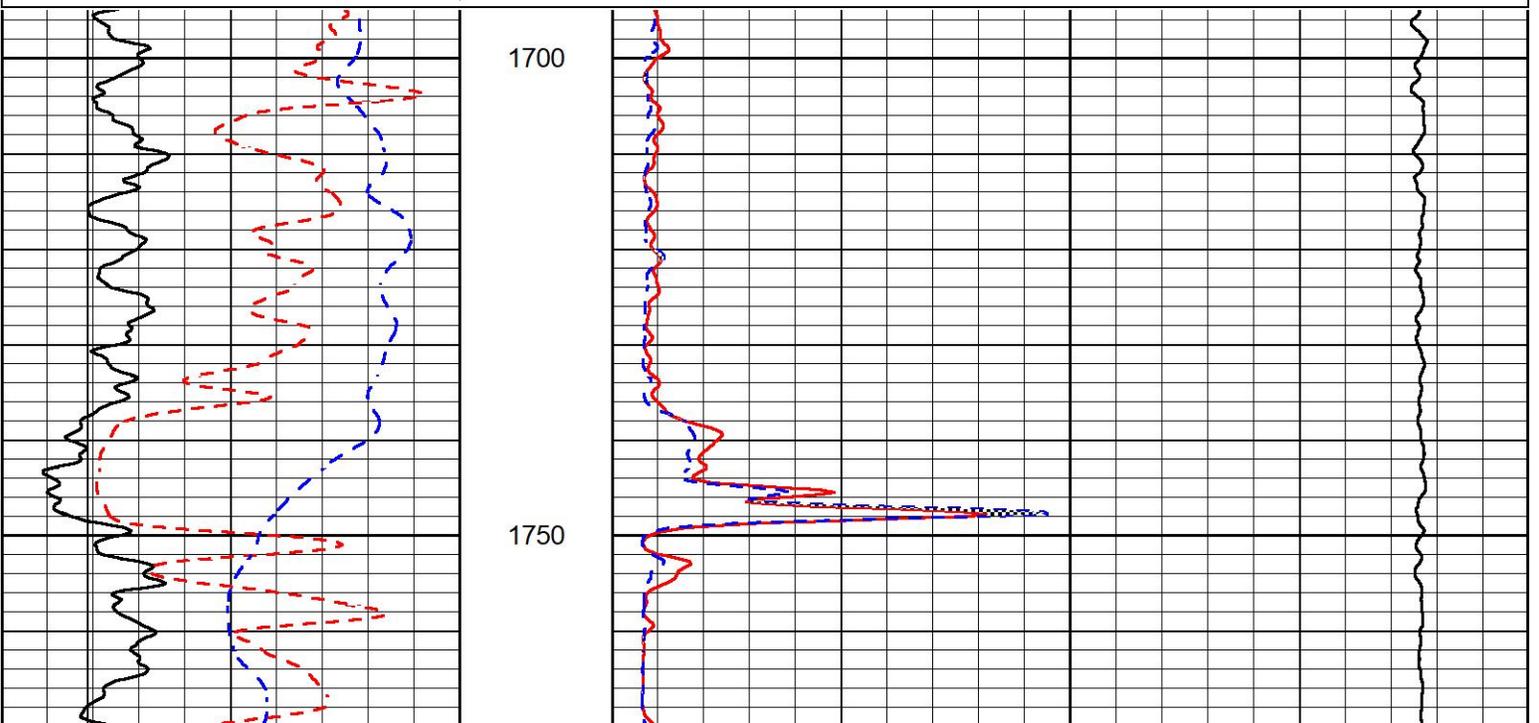
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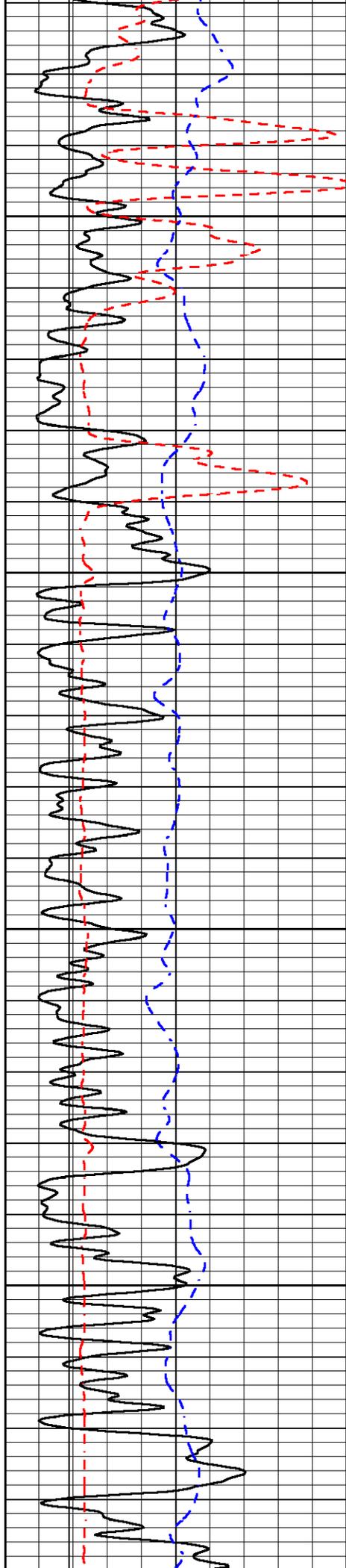
MAIN PASS

Database File knighton_kipp c #1-26.db
 Dataset Pathname StkMI/pass3.1
 Presentation Format _micro
 Dataset Creation Wed Apr 24 15:16:29 2024
 Charted by Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1 (Ohm-m)	20
0	Micro Normal 2" (Ohm-m)	20
10000	Line Weight (lb)	0



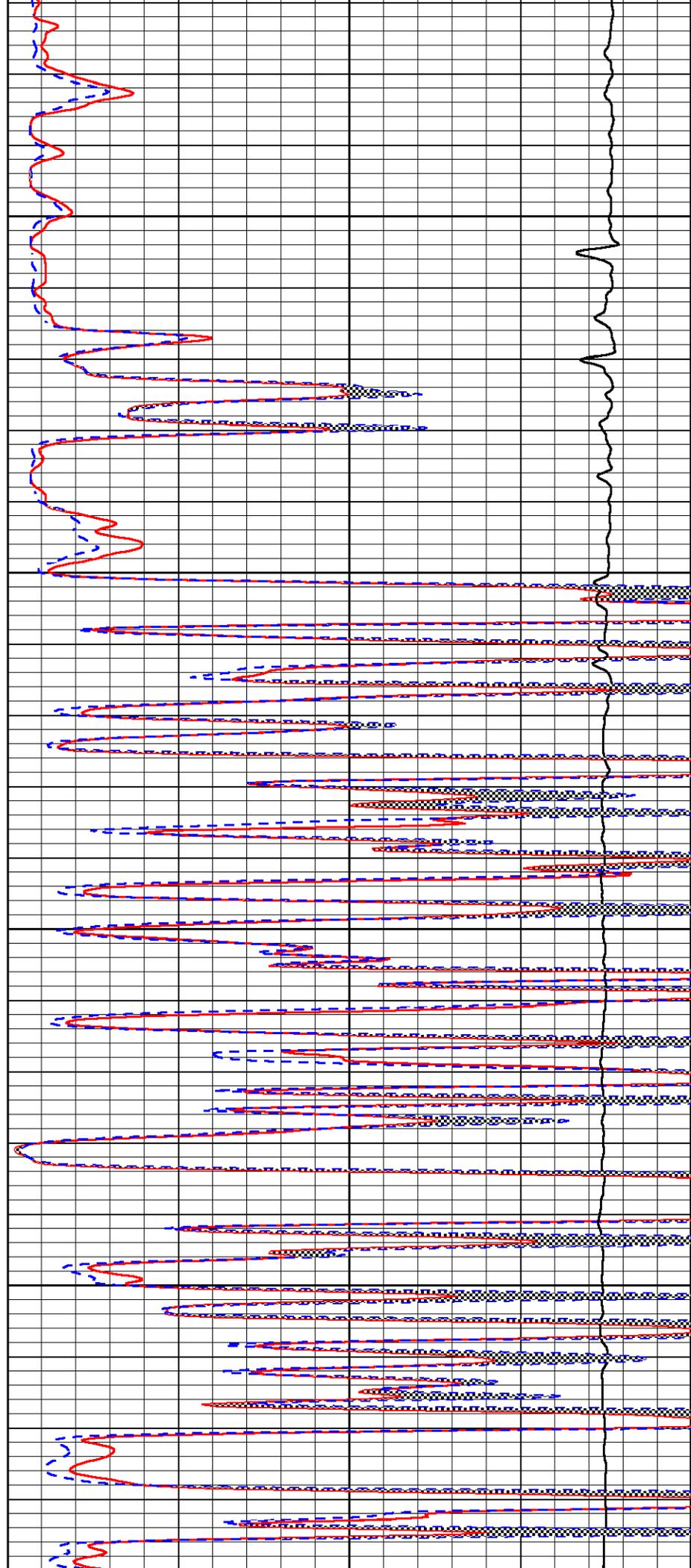


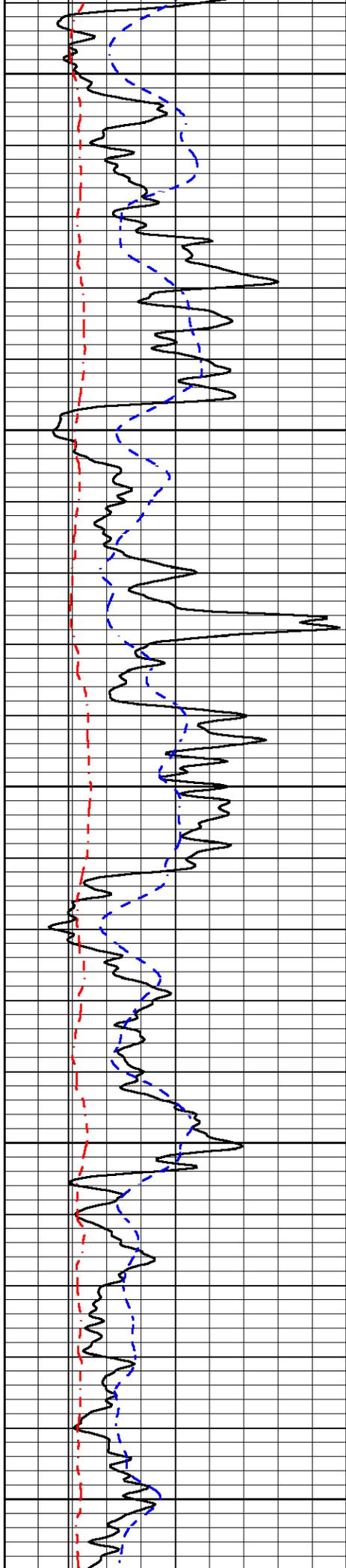
1800

1850

1900

1950





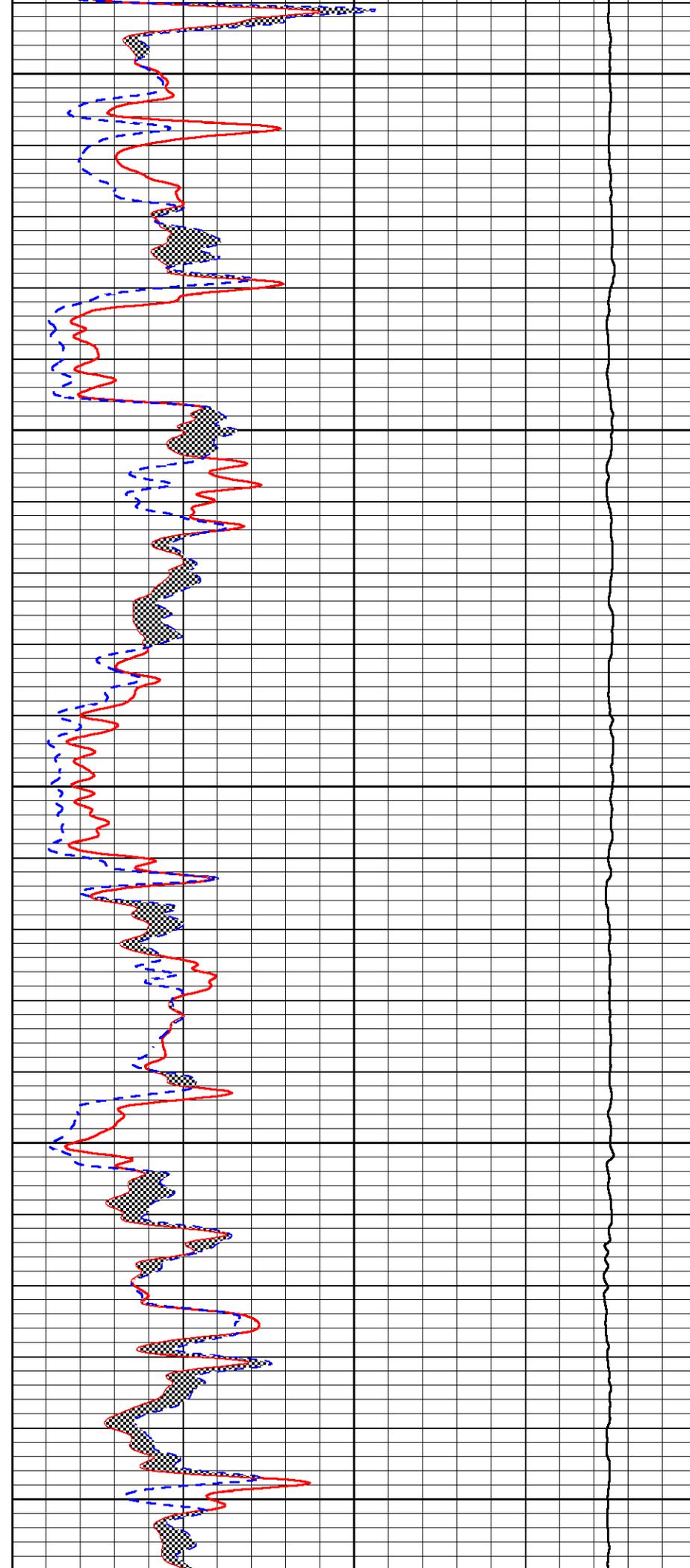
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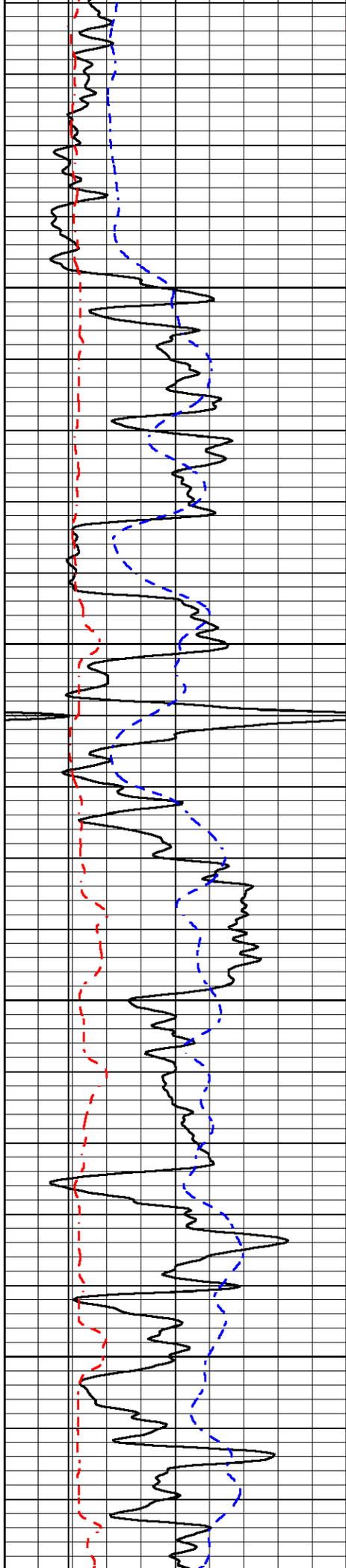
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2100

2150

2200



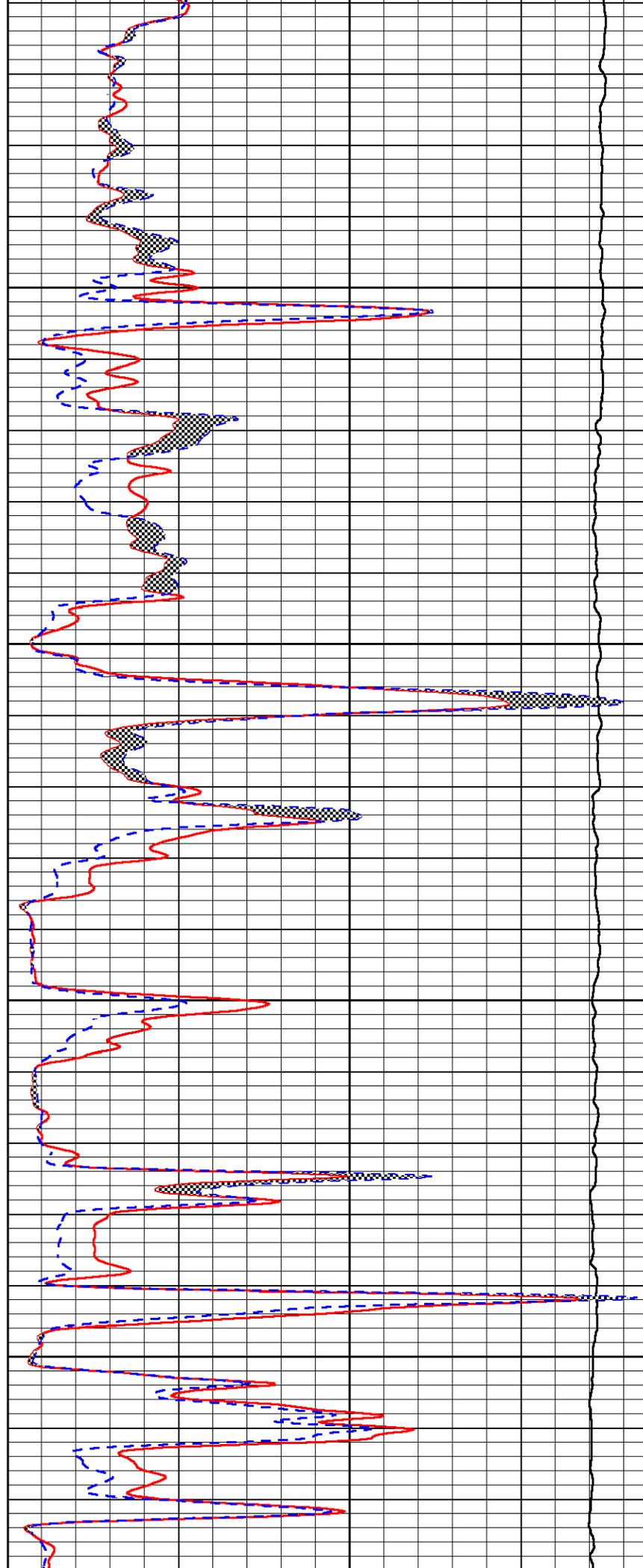


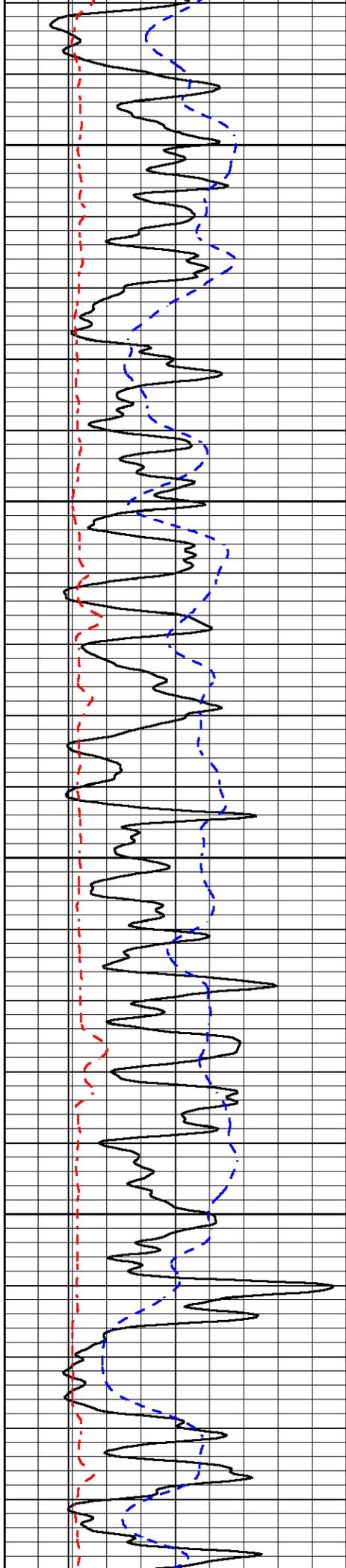
2250

2300

2350

2400





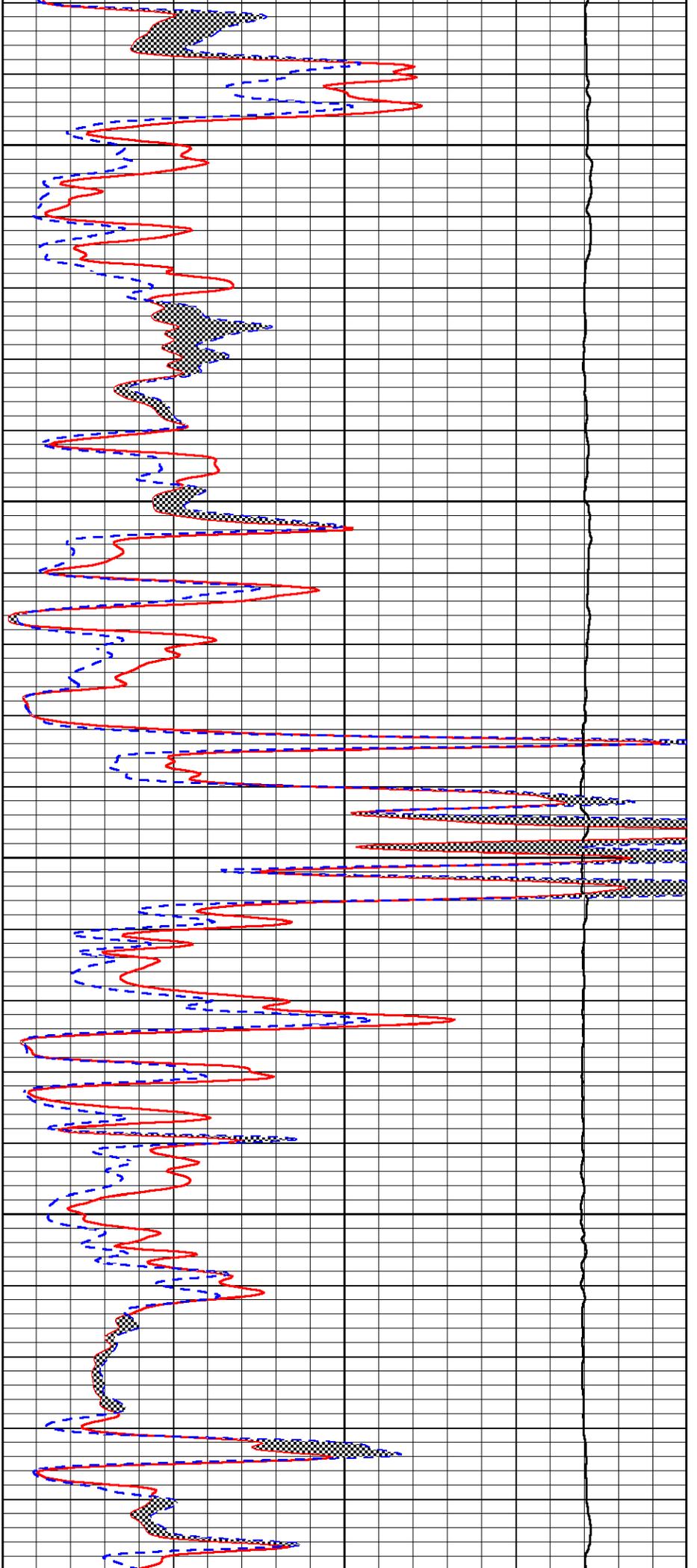
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2500

2550

2600

2650



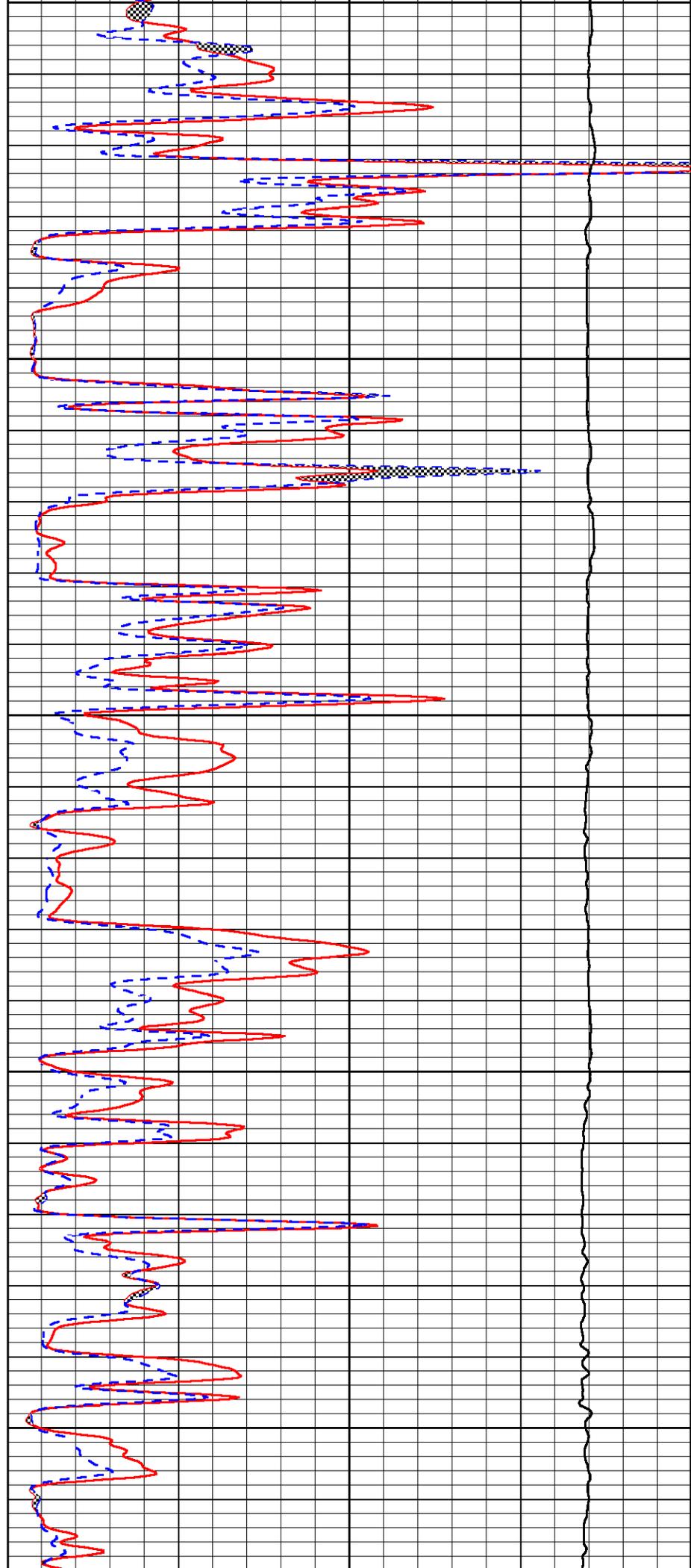
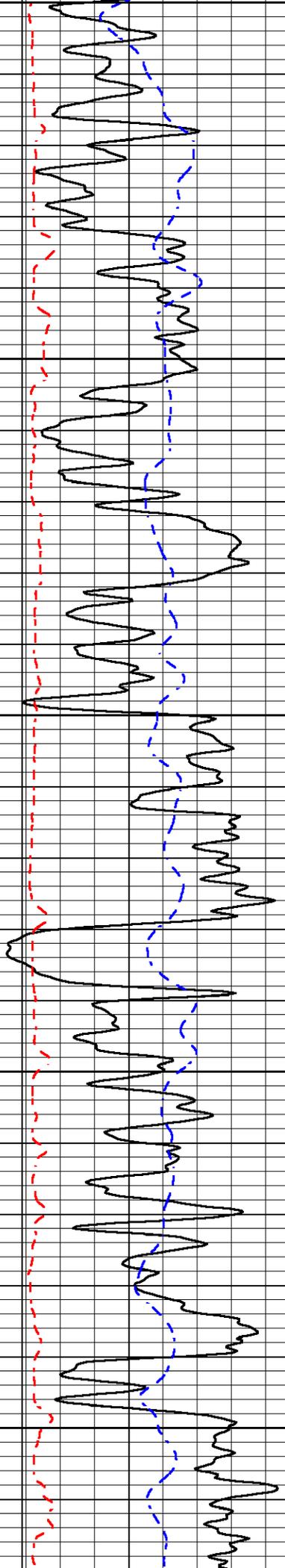
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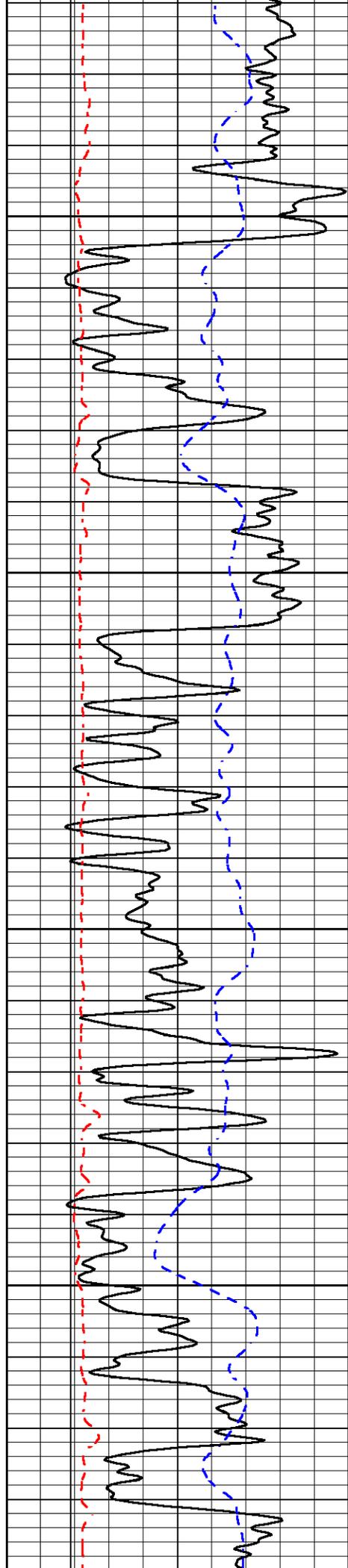
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2750

2800

2850



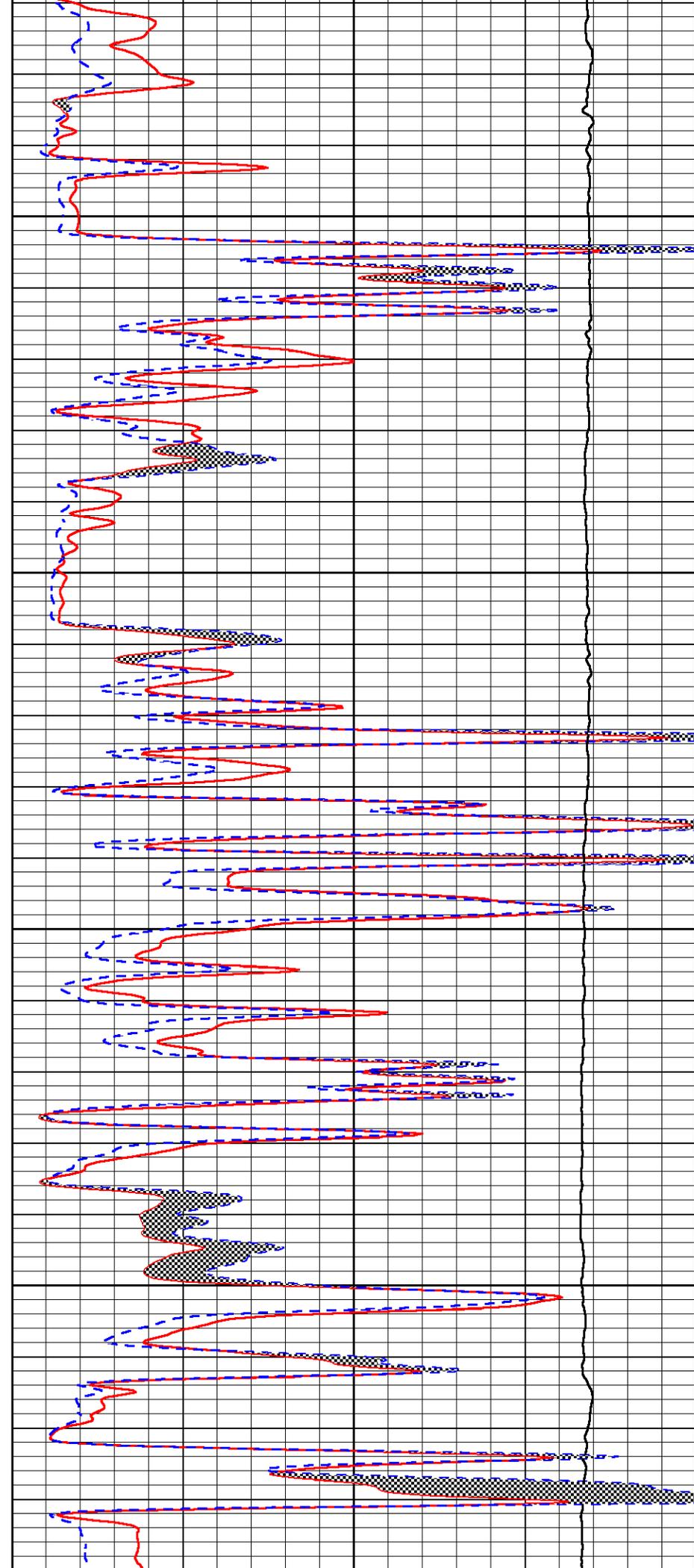


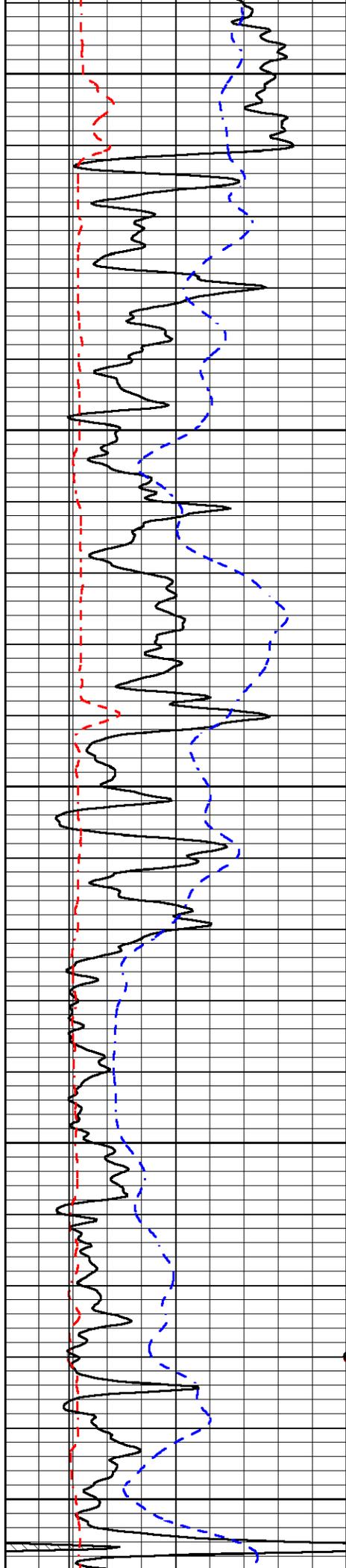
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2950

3000

3050





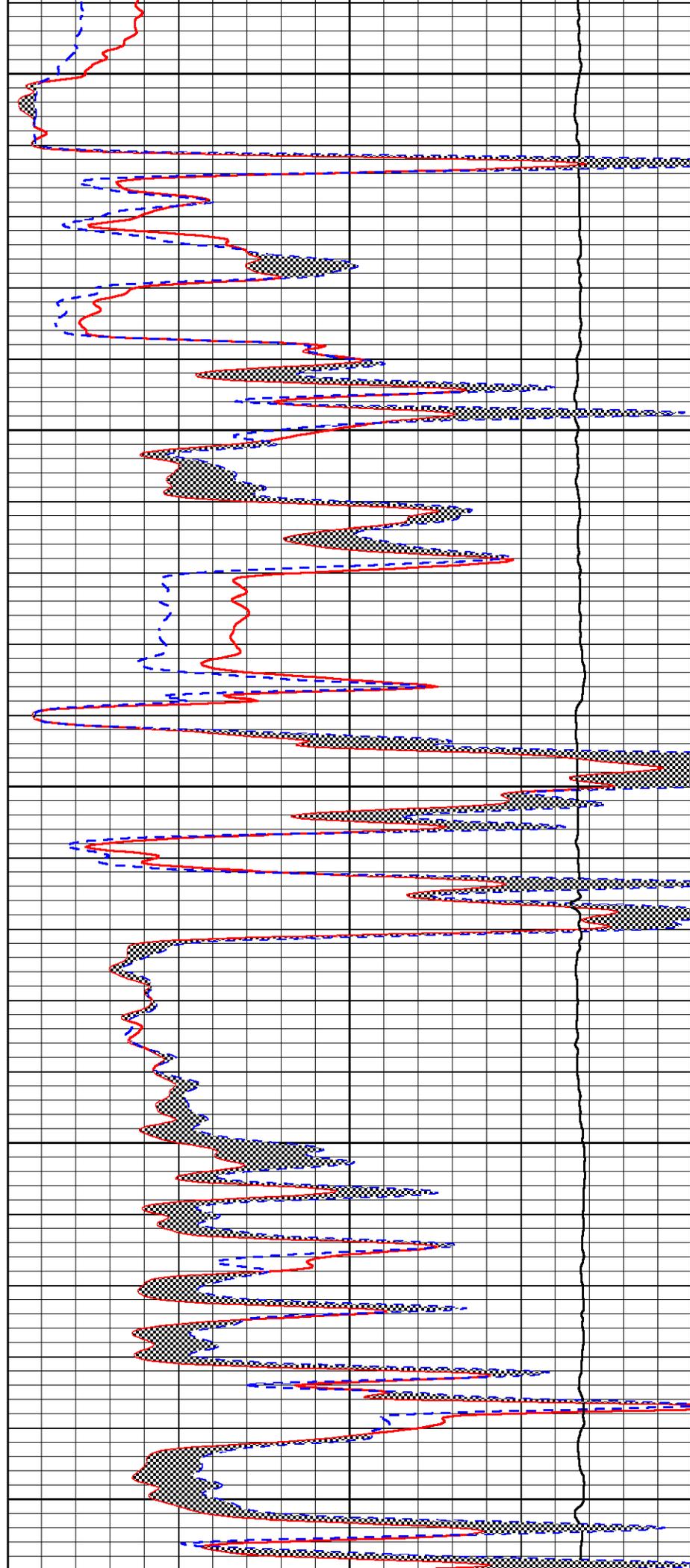
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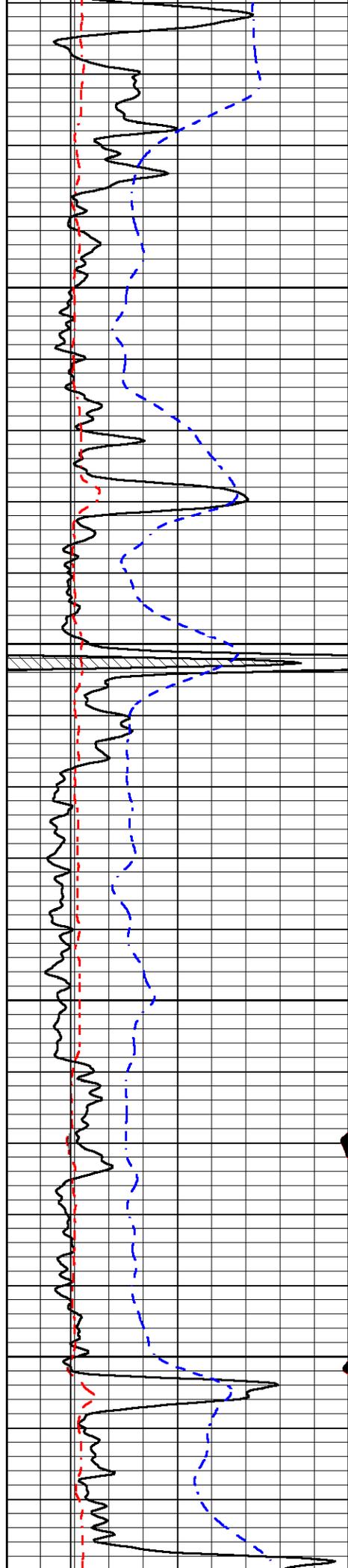
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3200

3250

3300



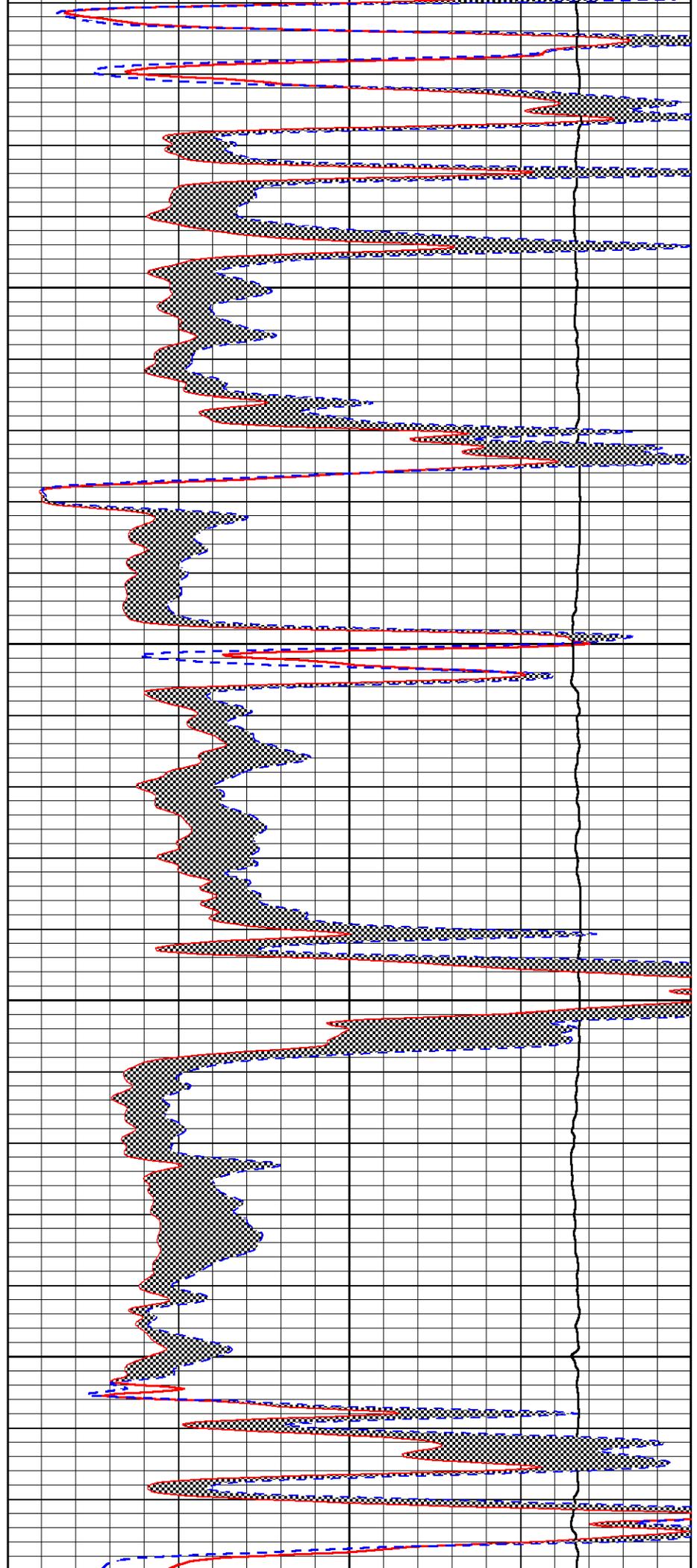


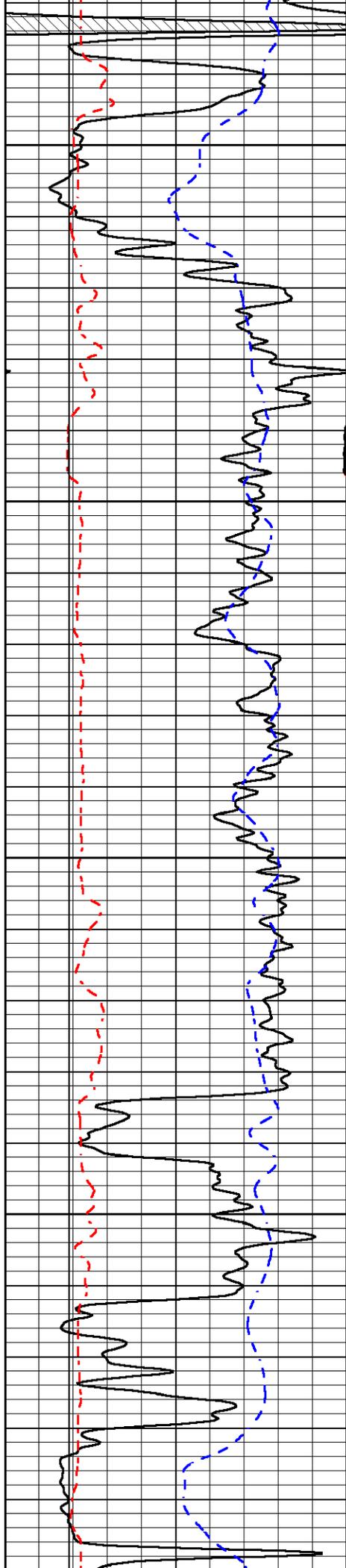
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3400

3450

3500





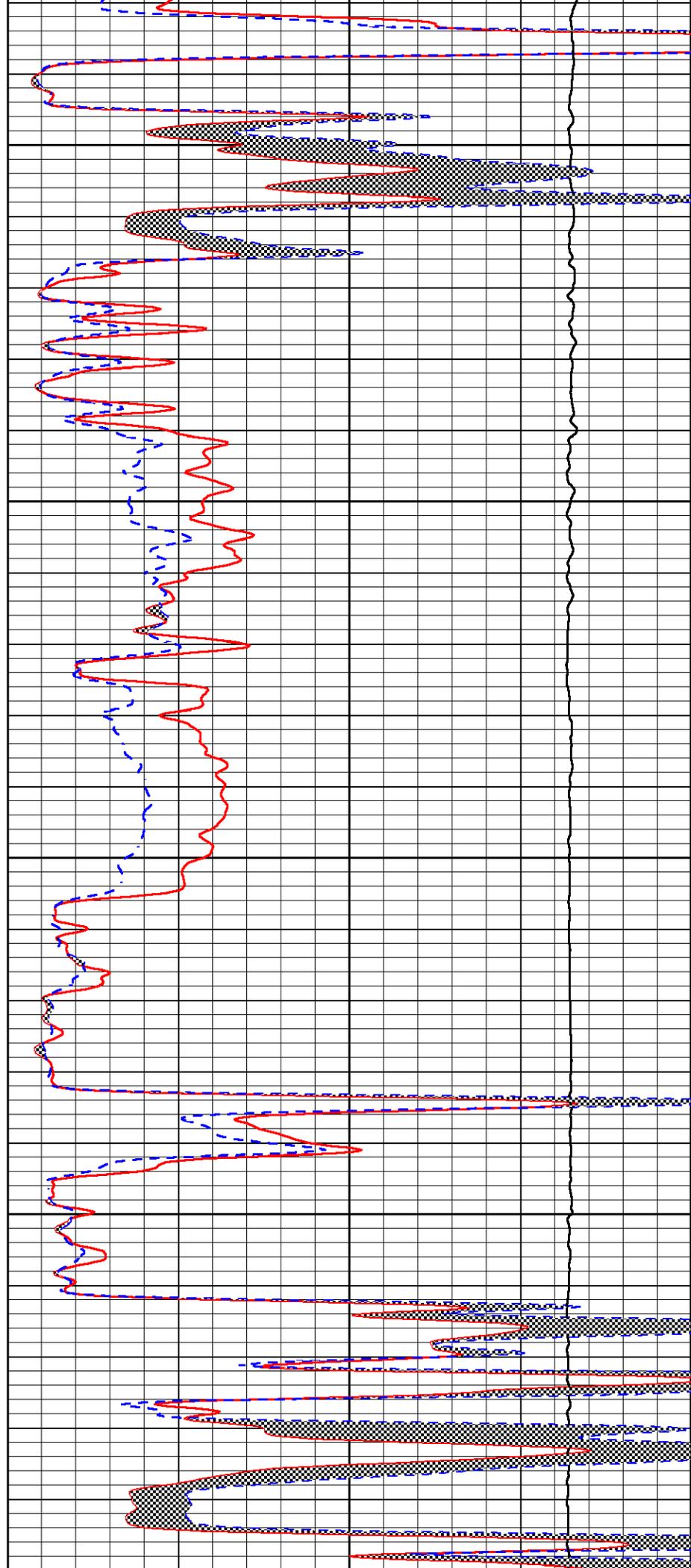
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3600

3650

3700

3750



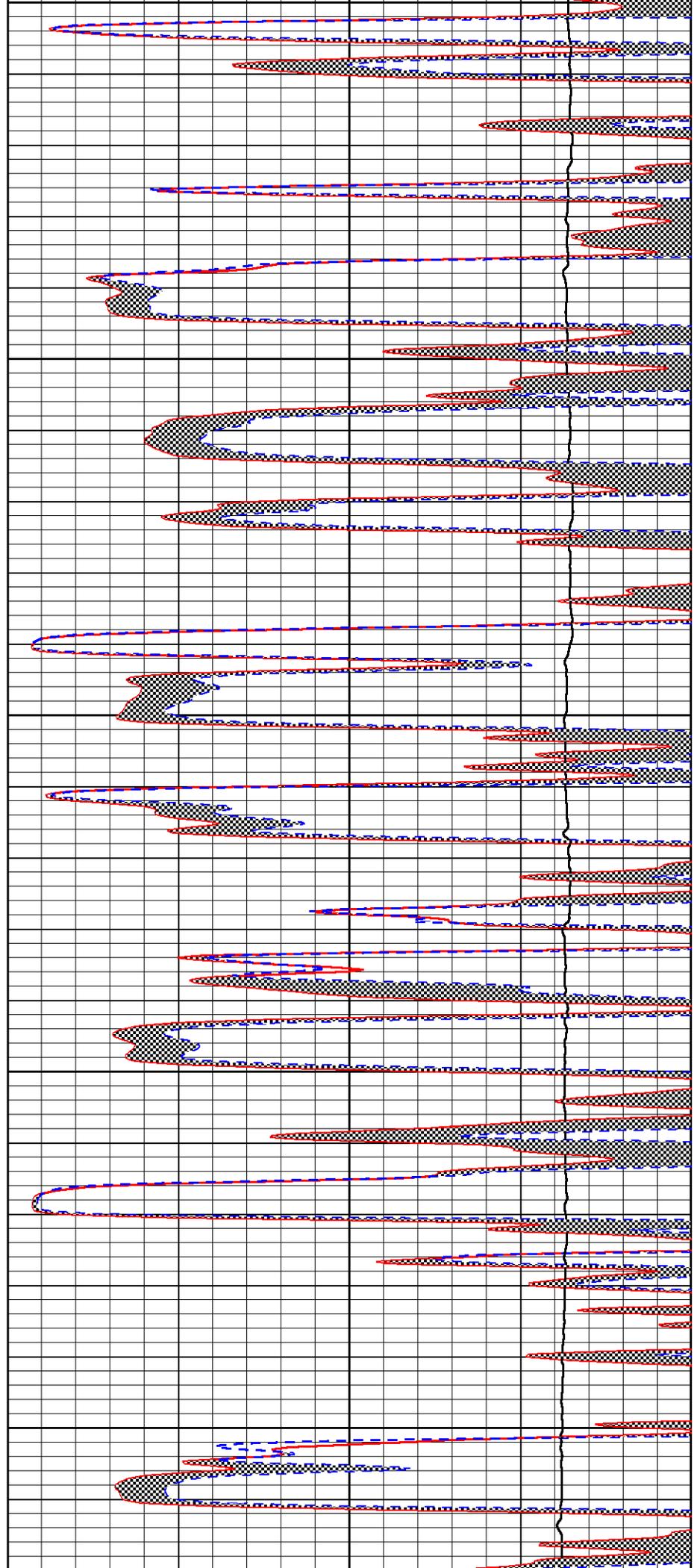
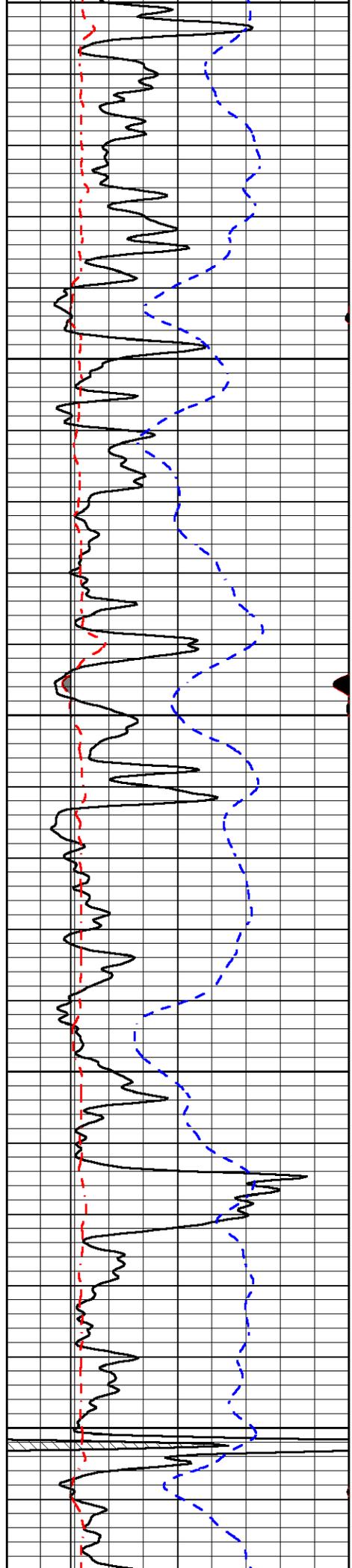
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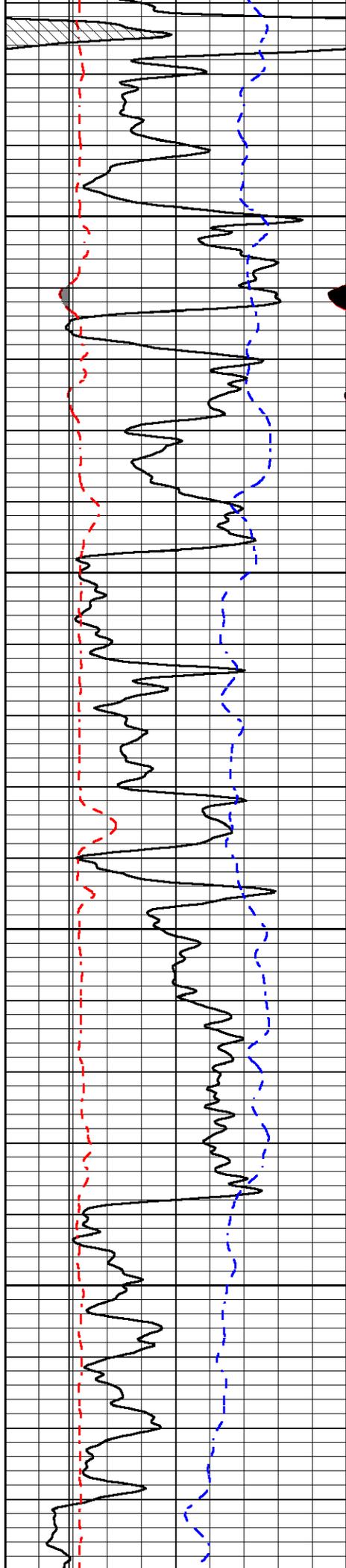
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3850

3900

3950



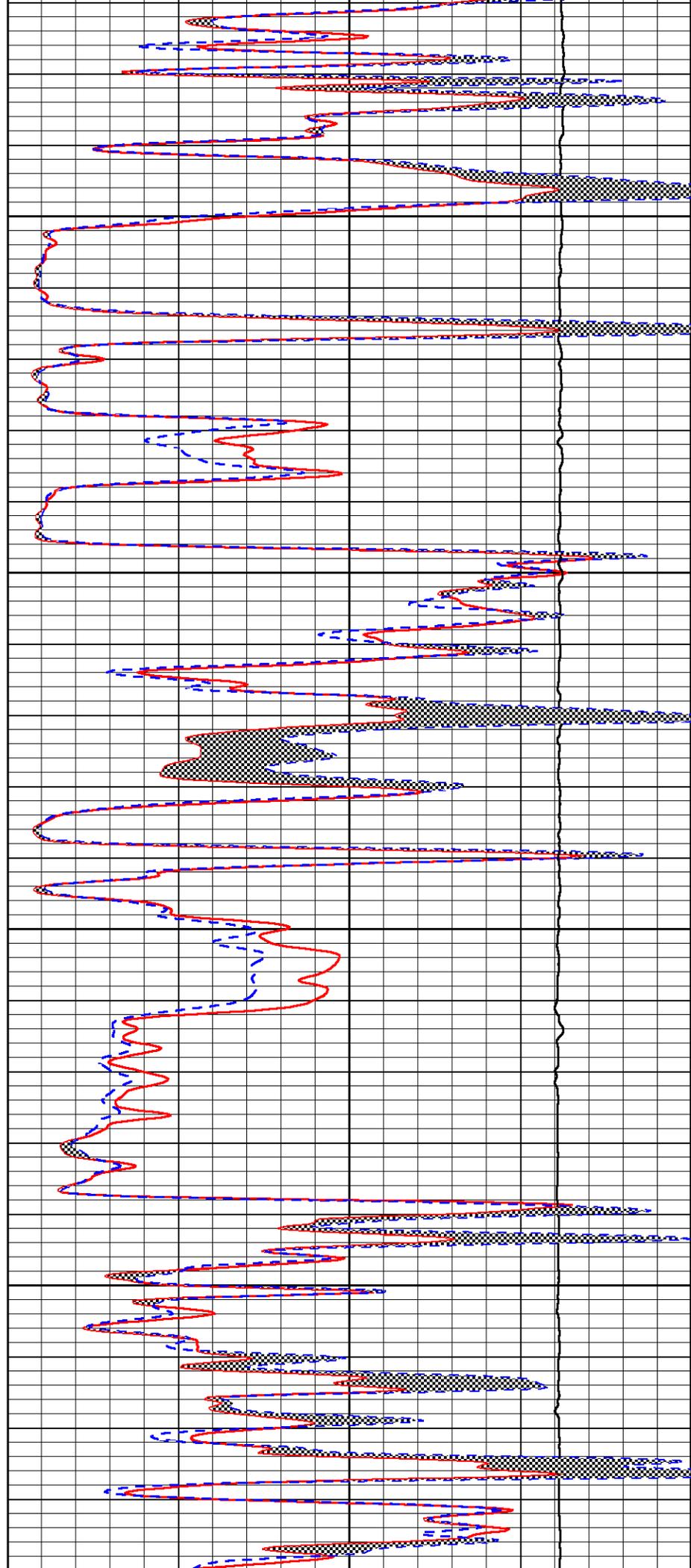


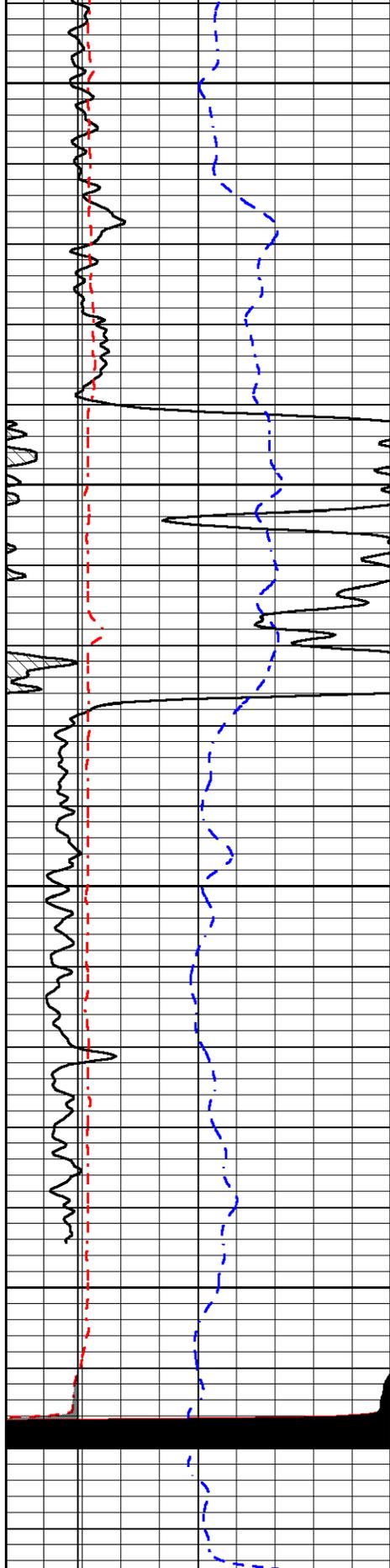
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4050

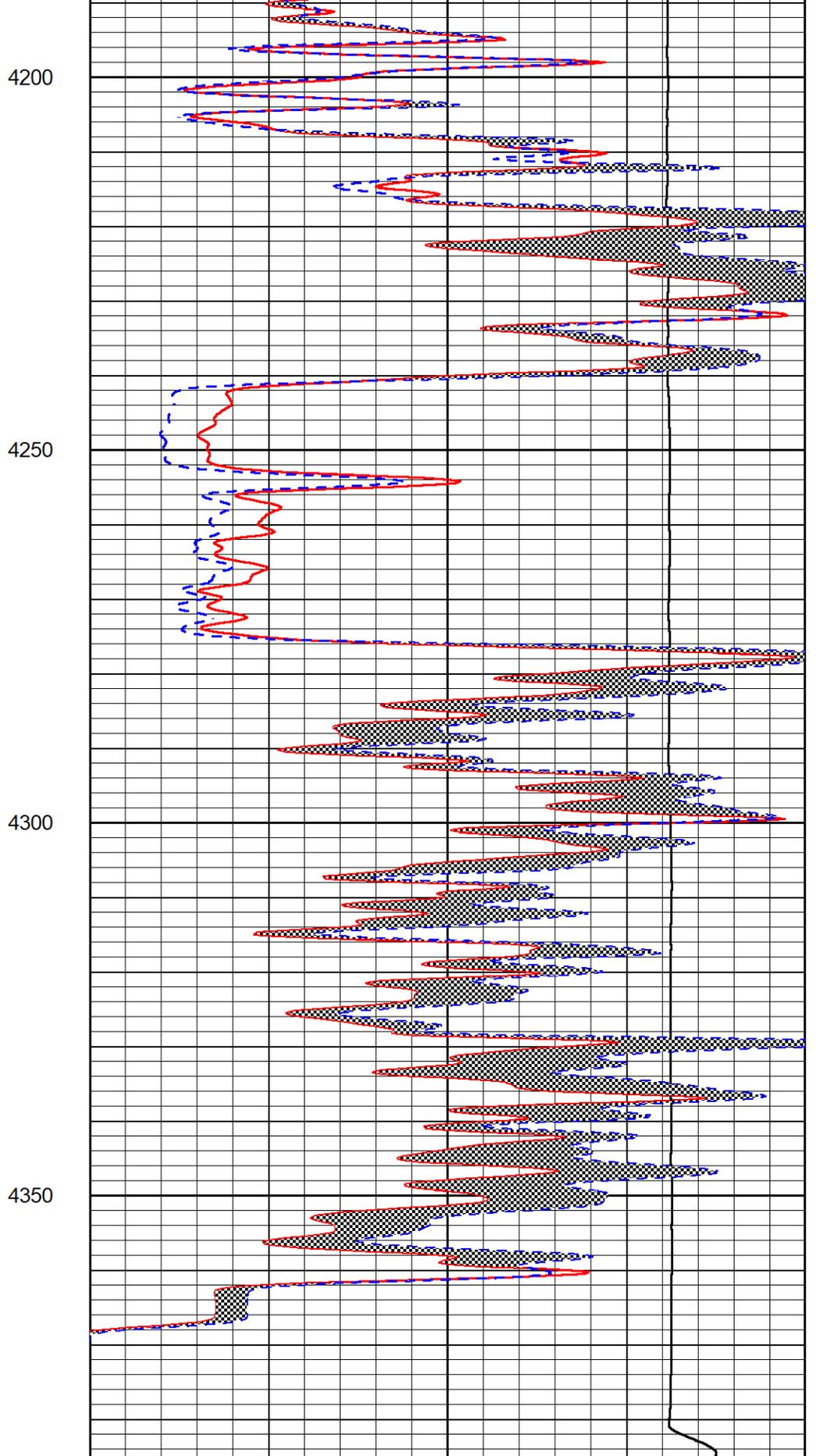
4100

4150





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



0	Micro Inverse 1 X 1 (Ohm-m)	20
0	Micro Normal 2" (Ohm-m)	20
10000	Line Weight (lb)	0



MIDWEST WIRELINE

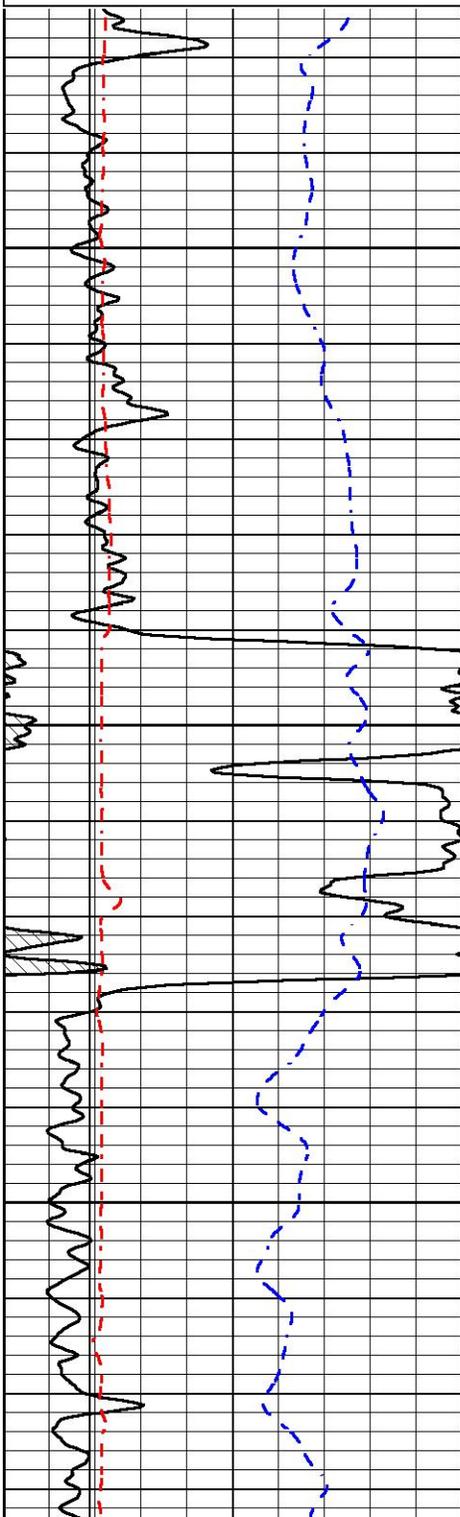
REPEAT SECTION

REPEAT PASS

Database File knighton_kipp c #1-26.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _micro
 Dataset Creation Wed Apr 24 14:32:55 2024
 Charted by Depth in Feet scaled 1:240

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

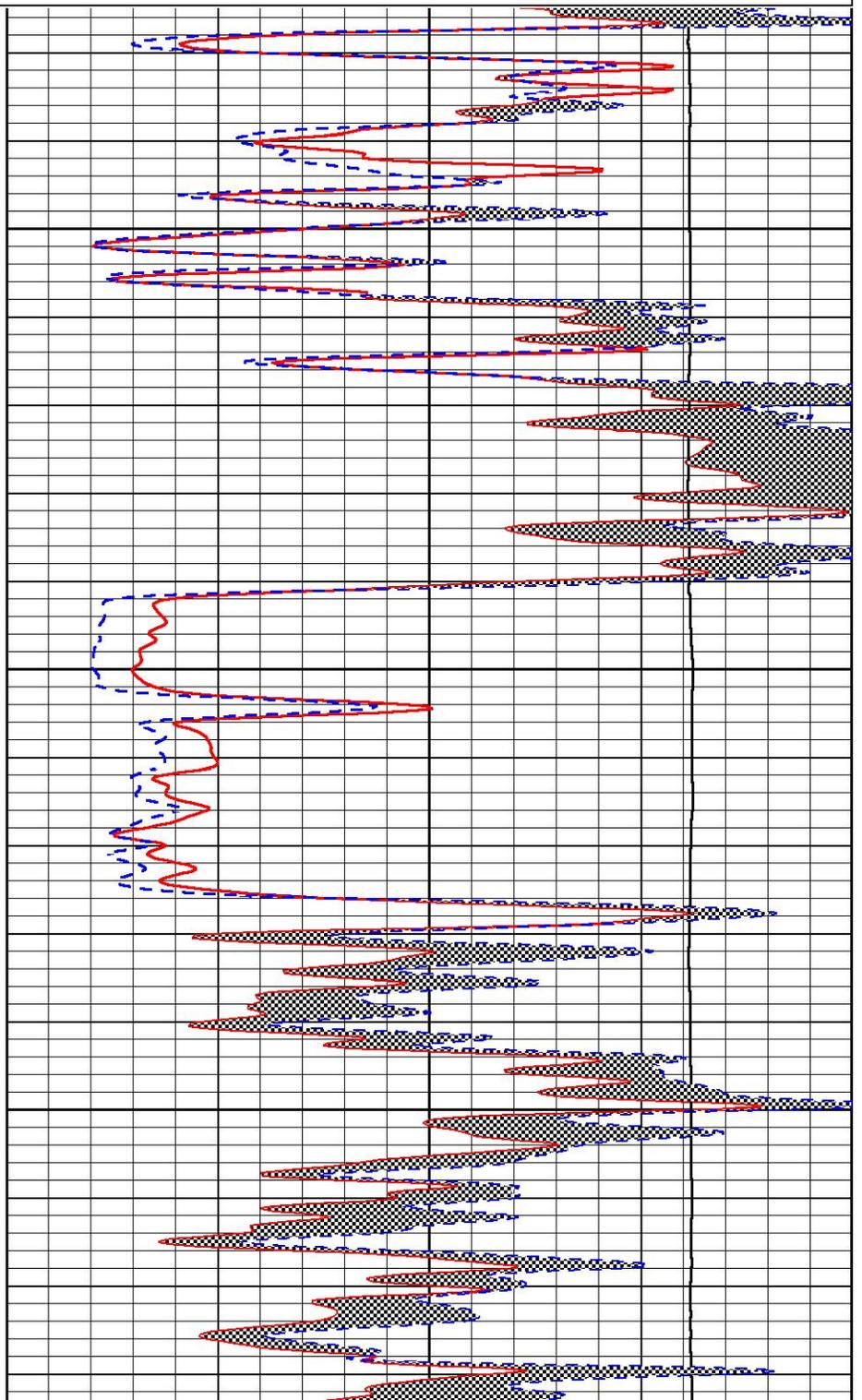
0	Micro Inverse 1 X 1 (Ohm-m)	20
0	Micro Normal 2" (Ohm-m)	20
10000	Line Weight (lb)	0



4200

4250

4300



Aluminum:									
SS:	868	1009	2312	2012	39	73	47	2	cps
LS:	1063	1847	3324	1556	63	146	95	6	cps
Magnesium:									
SS:	1458	1686	3853	2923	42	73	48	3	cps
LS:	4604	7631	13124	4967	100	134	94	14	cps
Aluminum+Iron:									
SS:	538	708	1910	1720	37	73	47	1	cps
LS:	619	1309	2817	1400	60	147	97	5	cps

	Density			PE					
	Actual	Calibrated		Actual	Calibrated	Quality			
Background:									
SS:						0.225			
LS:						0.208			
Aluminum:									
SS:	2.6000	2.6000	g/cc			0.210			
LS:	2.6000	2.6000	g/cc			0.210			
Magnesium:									
SS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.207			
LS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.173			
Aluminum+Iron:									
SS:						6.1800	0.215		
LS:						6.1800	0.205		

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	0.2
Large Ring:	16.0 in	0.8
Gain:	16.161	
Offset:	1.050	

Compensated Neutron Calibration Report

Serial Number: 207
Tool Model: M&W

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: 102
Tool Model: M&W
Performed: Mon Sep 25 22:02:33 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.5250 GAPI/cps



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Field Kipp



County
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