

DUAL INDUCTION

MIDWEST WIRELINE

Company Castle Resources, Inc		Company Castle Resources, Inc	
Well	Herl #5	Well	Herl #5
Field	Wheatland SW	Field	Wheatland SW
County	Ellis	County	Ellis
State	Kansas	State	Kansas
Location: API #: 15-051-27141-00-00		Other Services	
SE NW SW NE 1845 FNL & 2135 FEL		CNL/CDL MEL/BHCS	
Permanent Datum	Ground Level	Elevation	1991
Log Measured From	Kelly Bushing	K.B.	2002
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	1991
Date	5/19/2026		
Run Number	One		
Depth Driller	3922		
Depth Logger	3921		
Bottom Logged Interval	3920		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	223		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	16500		
Density / Viscosity	9.6 52		
pH / Fluid Loss	10.0 10.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.3 @ 68		
Rmt @ Meas. Temp	0.23 @ 68		
Rmc @ Meas. Temp	0.41 @ 68		
Source of Rmt / Rmc	Charts		
Rm @ BHT	0.18 @ 114		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	114		
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.

Hays, KS, S to Chetolah Gold Rd, 3 E, 1/4 S, 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:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle_herl #5.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 114	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m 4	mmho/m -3.5	mV 160	degF 60	Off	ft 3921

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



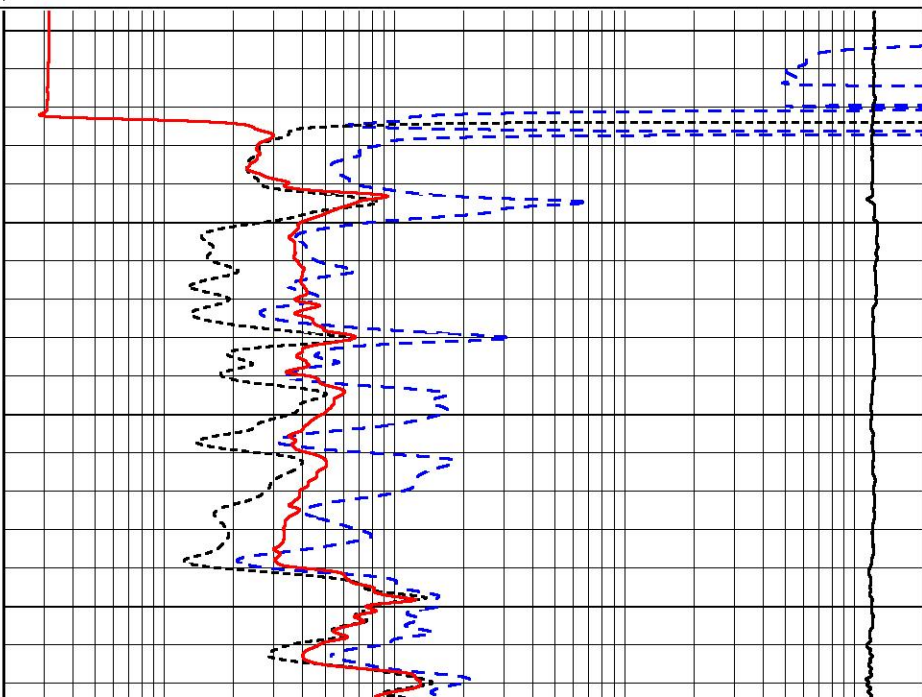
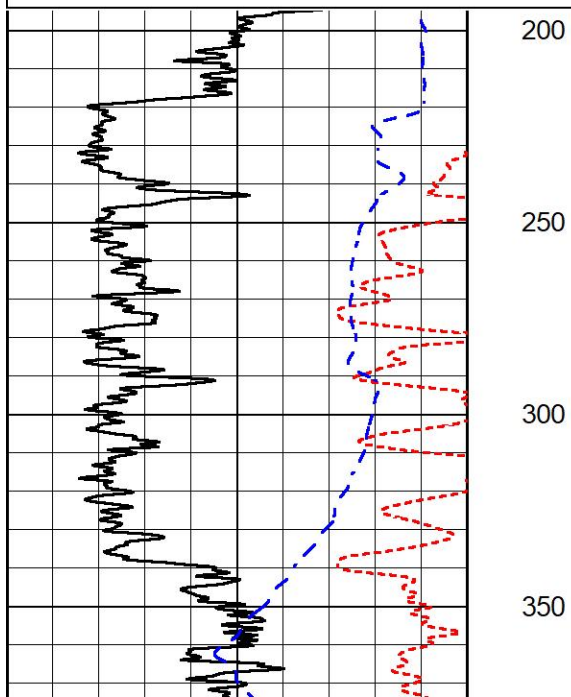
2" SCALE RESISTIVITY

MAIN PASS

Database File castle_herl #5.db
Dataset Pathname Stack/pass3.2
Presentation Format _dil
Dataset Creation Tue May 19 13:11:00 2026
Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
-160	RXORT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0



400

450

500

550

600

650

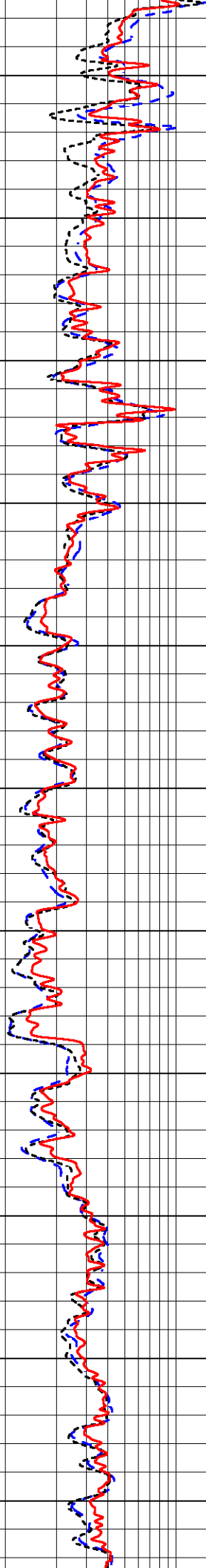
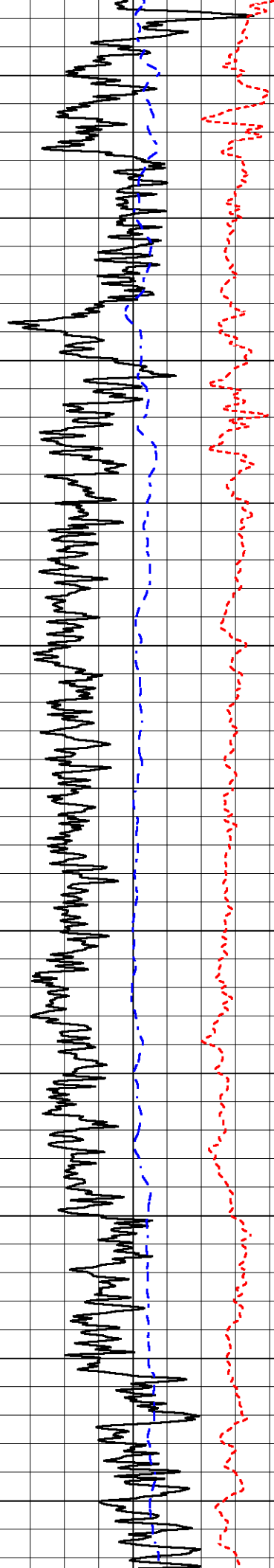
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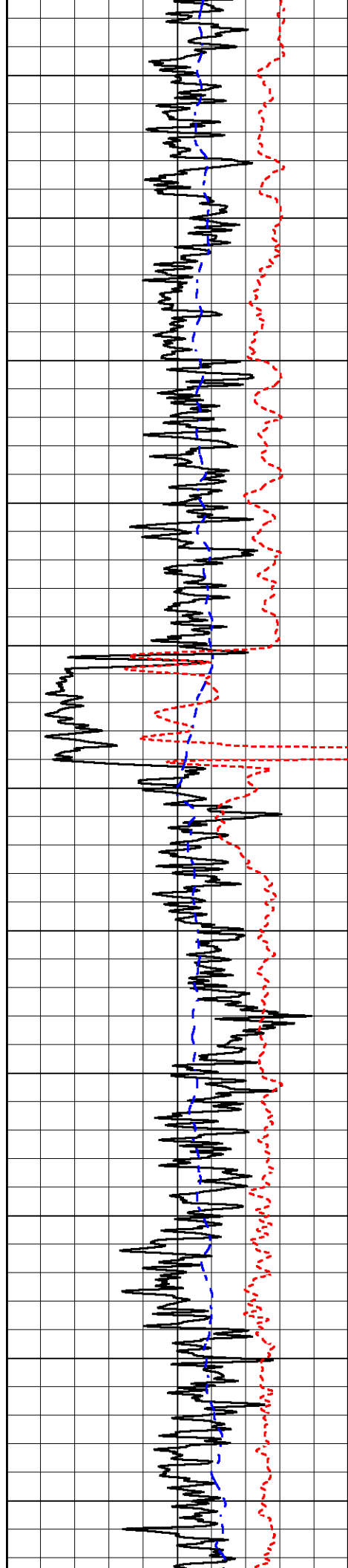
750

800

850

900





950

1000

1050

1100

1150

1200

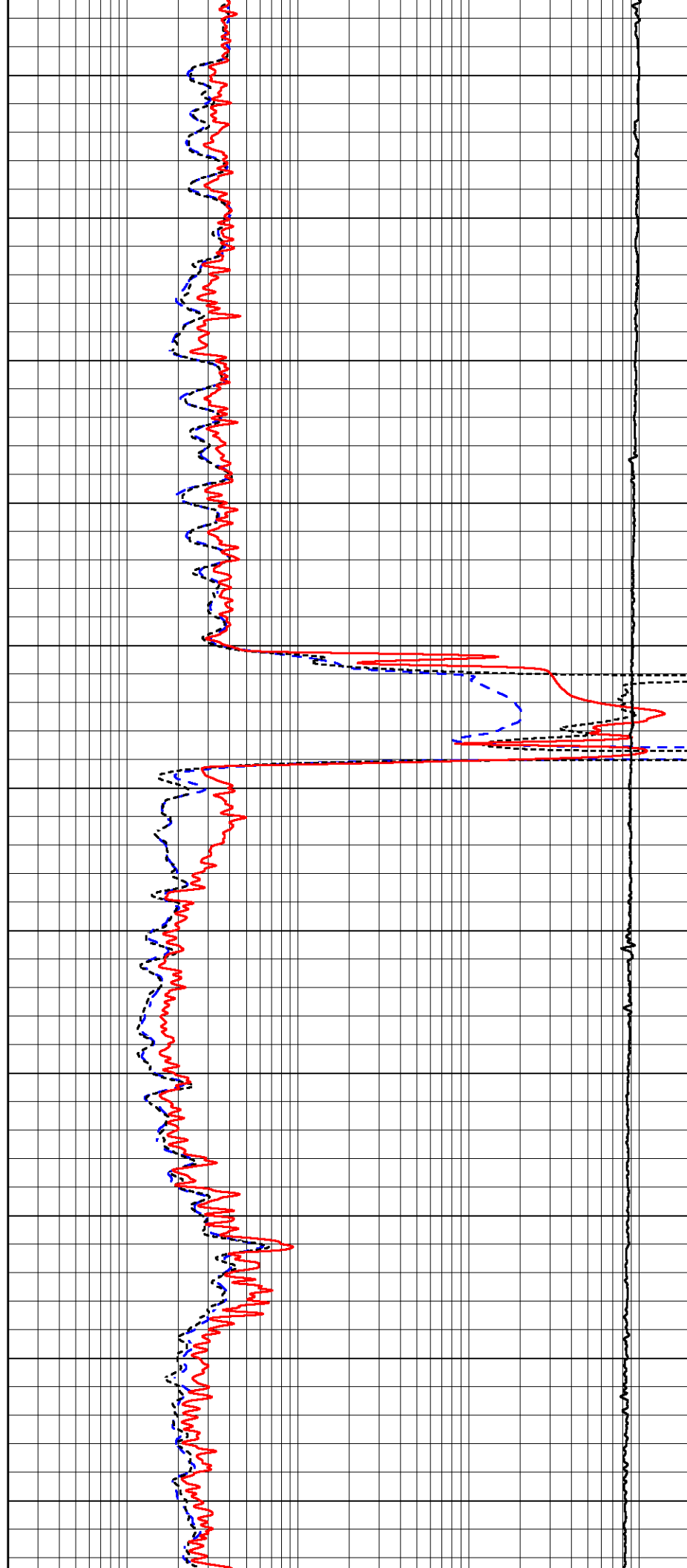
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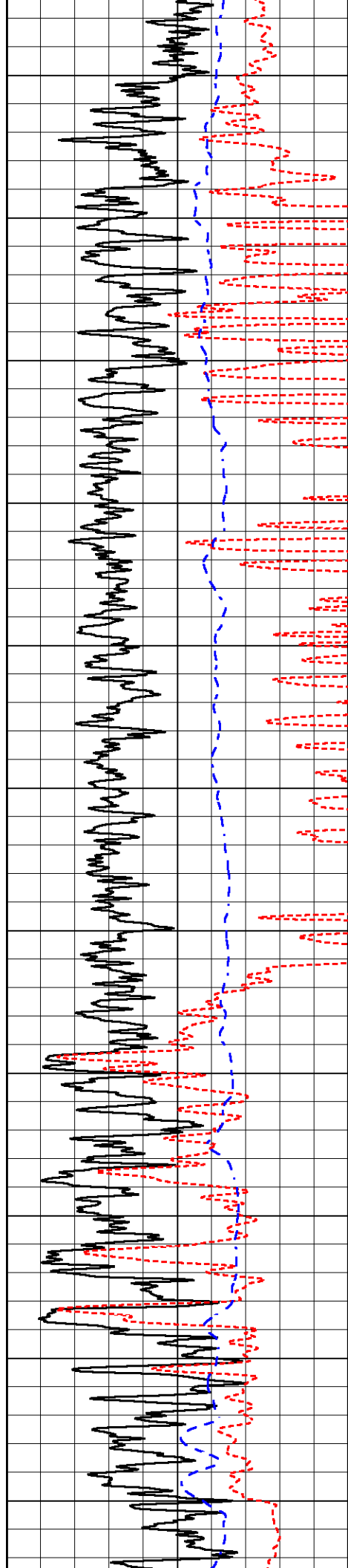
1300

1350

1400

1450





1500

1550

1600

1650

1700

1750

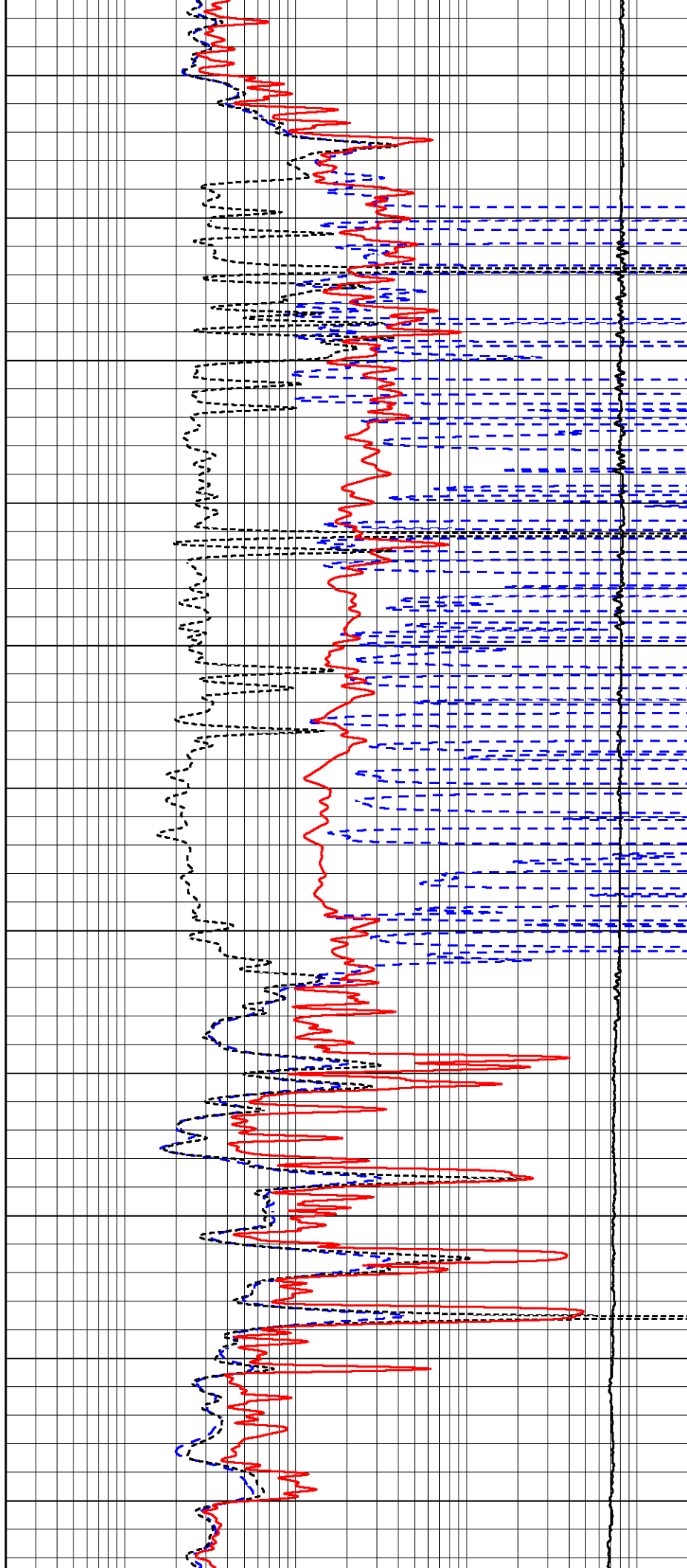
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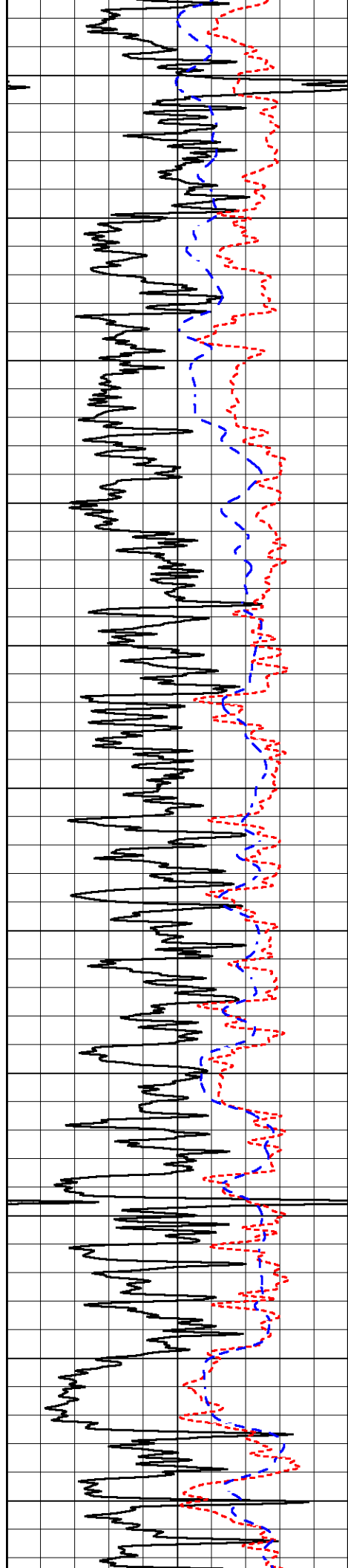
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1900

1950

2000





2050

2100

2150

2200

2250

2300

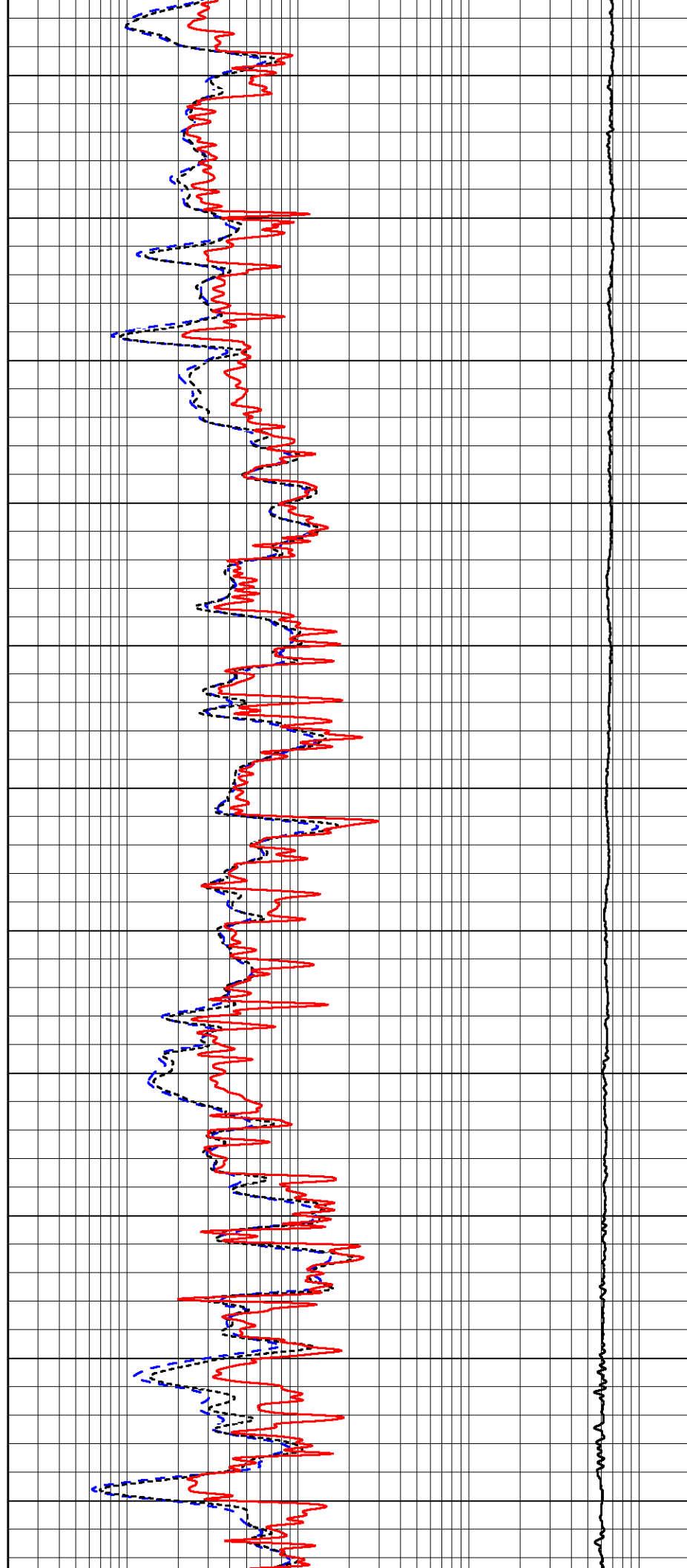
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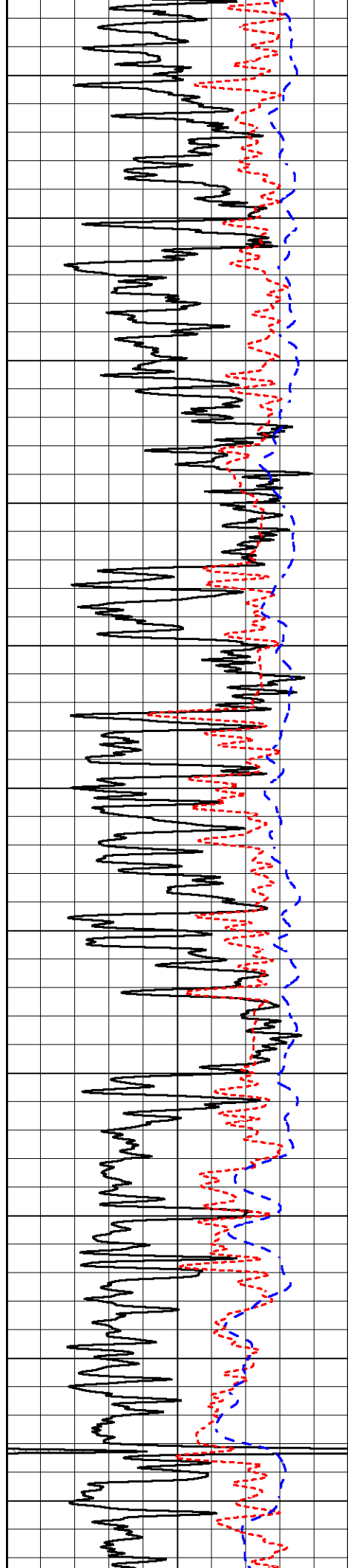
2400

2450

2500

2550





2600

2650

2700

2750

2800

2850

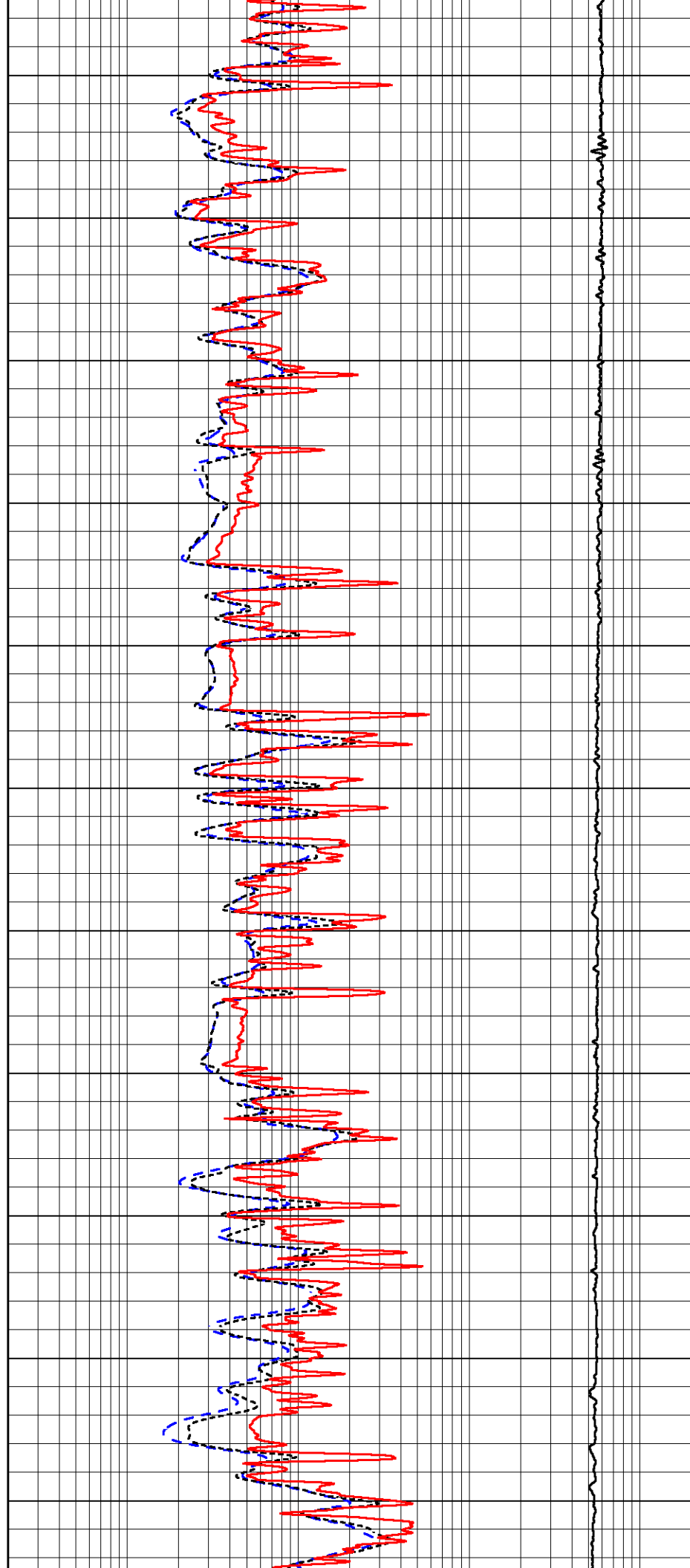
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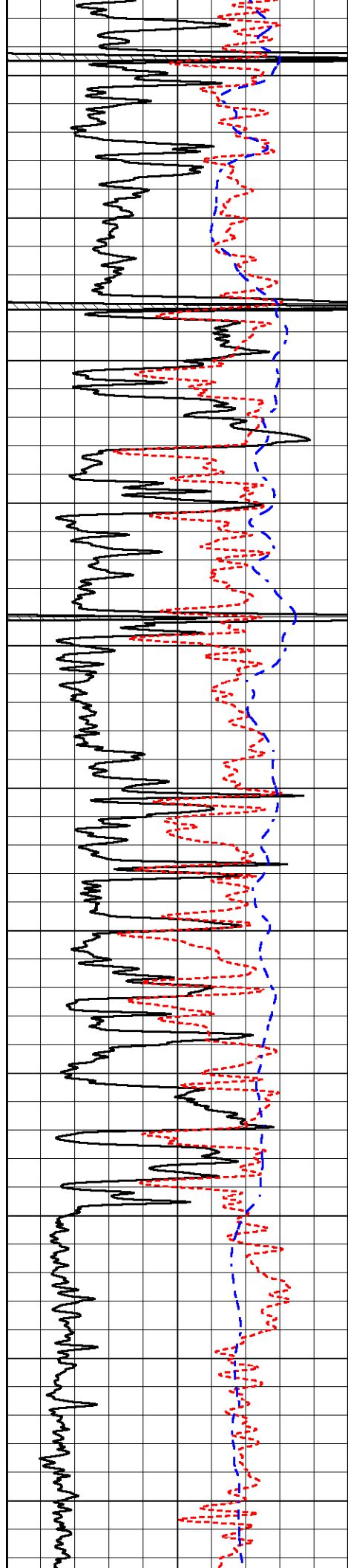
2950

3000

3050

3100





3150

3200

3250

3300

3350

3400

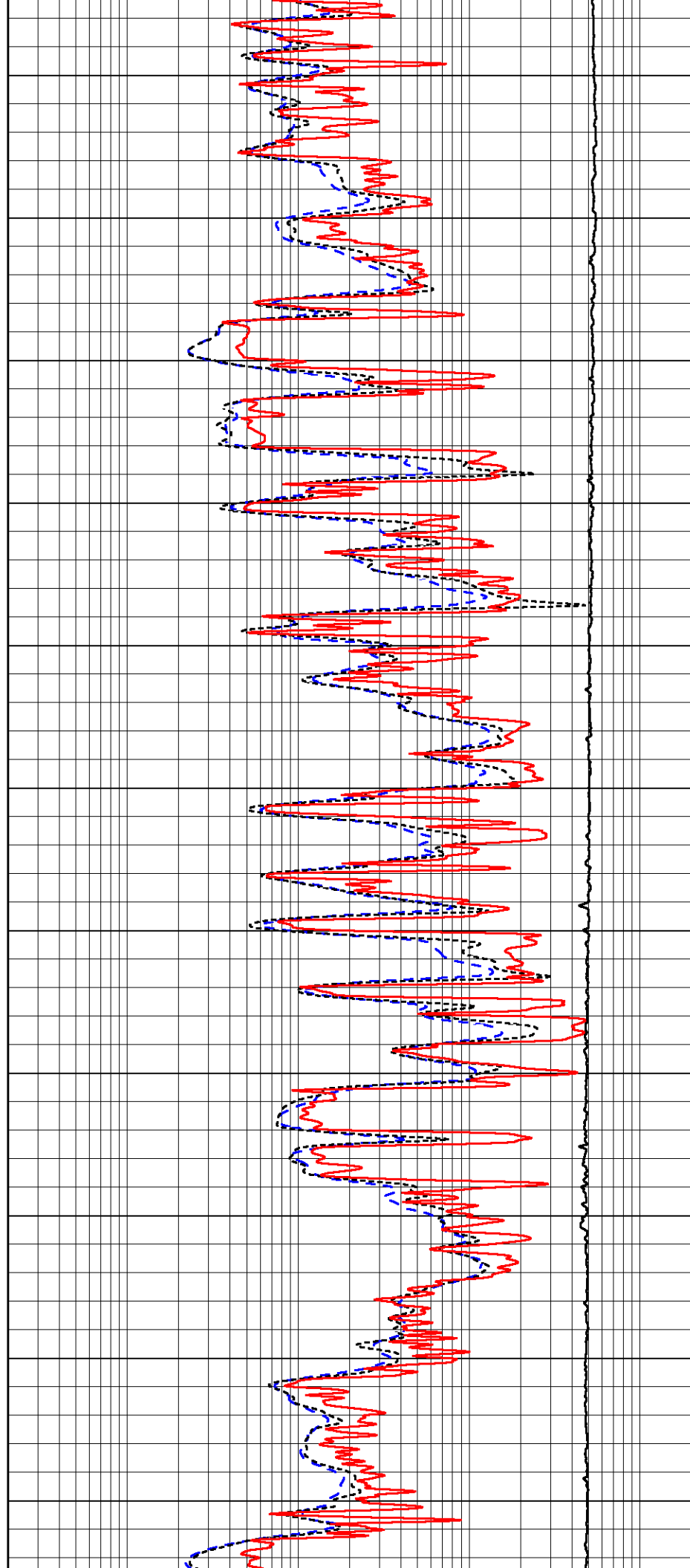
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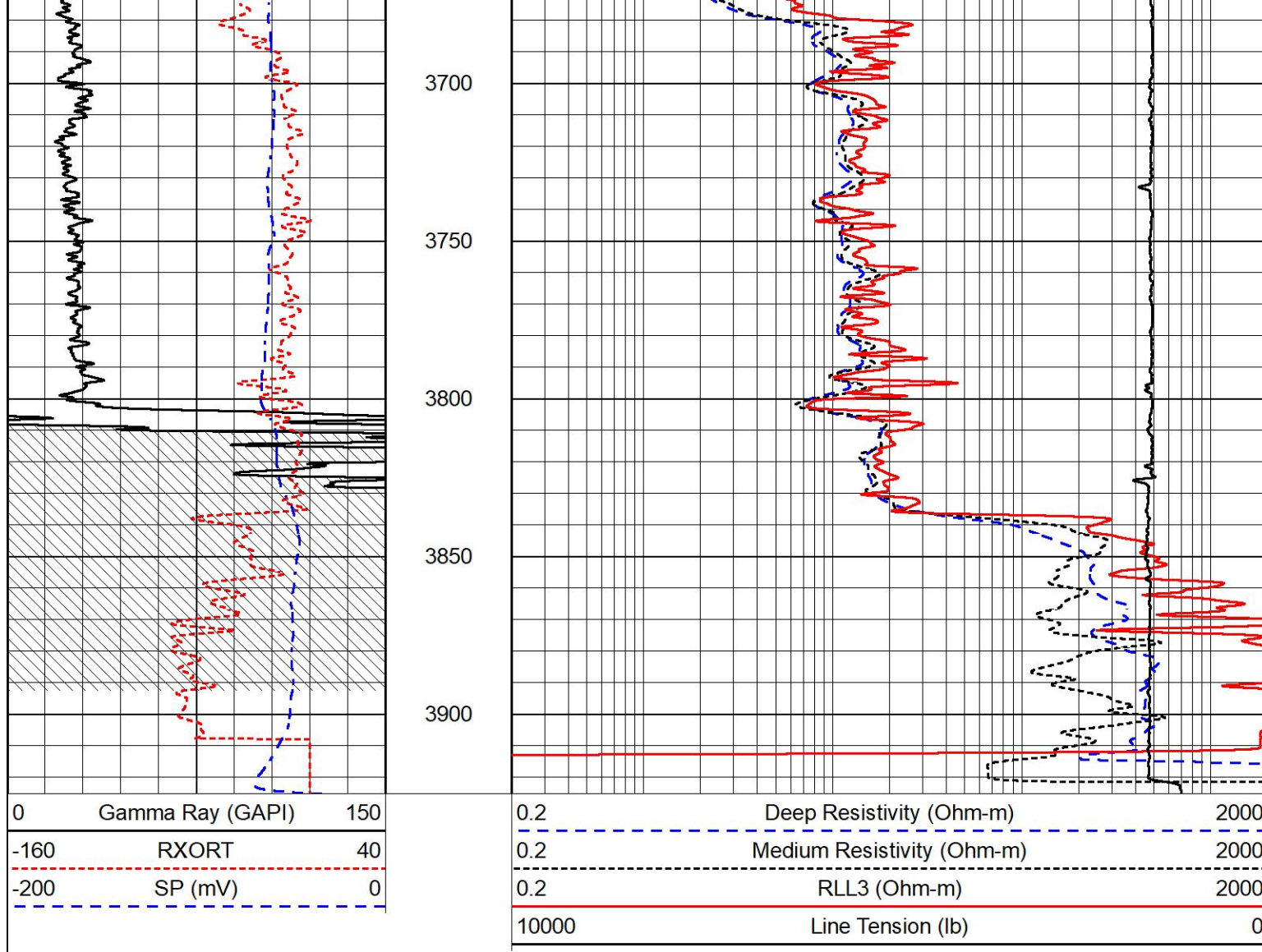
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3550

3600

3650

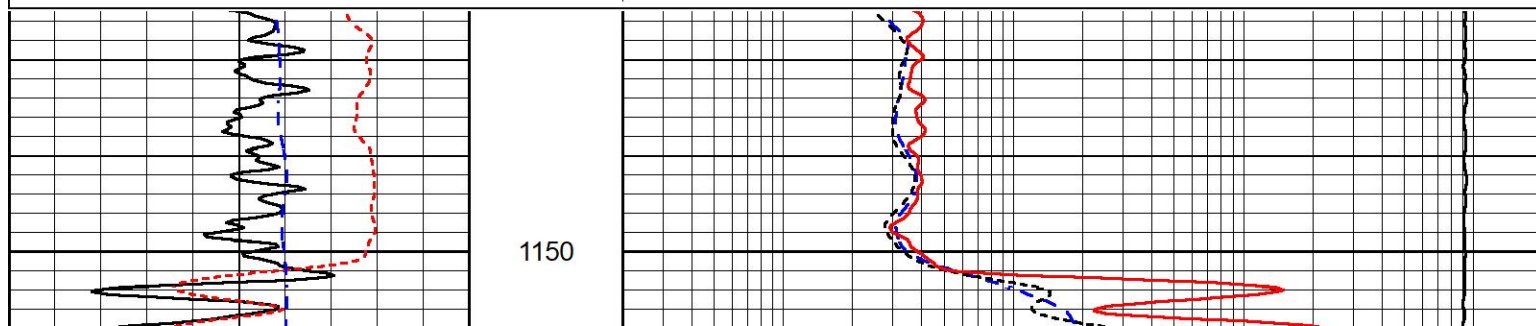
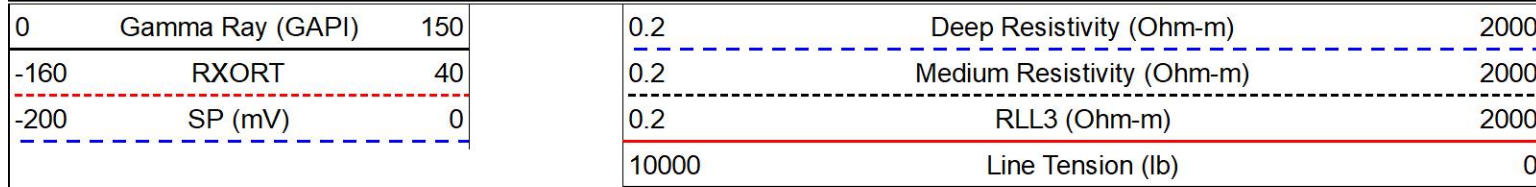


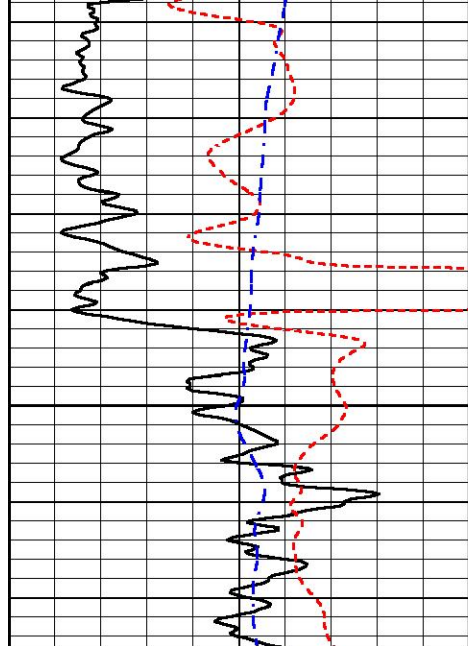


ANHYDRITE SECTION

MAIN PASS

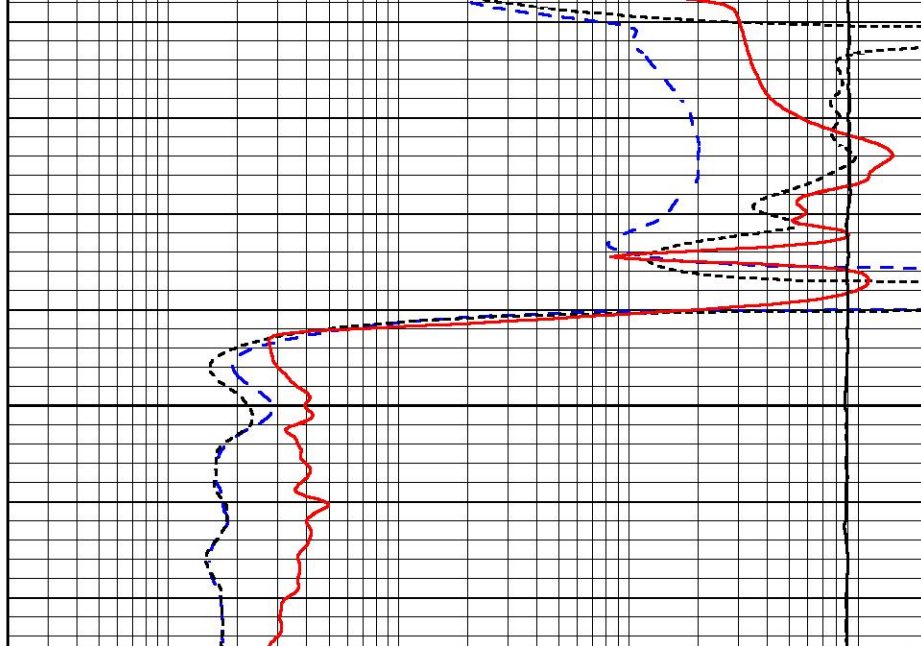
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 Dataset Pathname Stack/pass3.4
 Presentation Format _dil
 Dataset Creation Tue May 19 13:00:04 2026
 Charted by Depth in Feet scaled 1:240





0	Gamma Ray (GAPI)	150
-160	RXORT	40
-200	SP (mV)	0

1200



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0



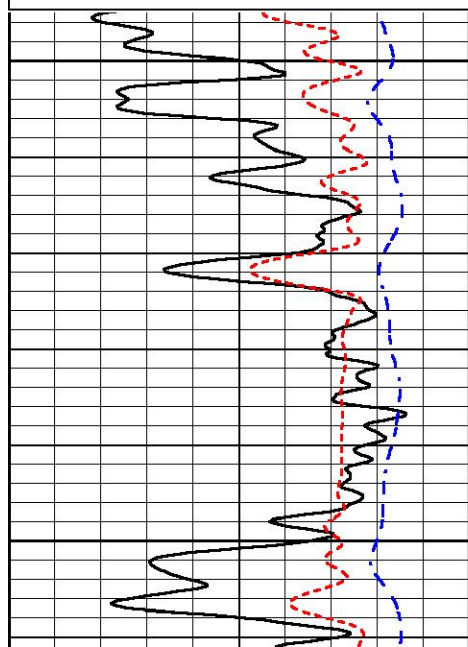
MIDWEST WIRELINE

DETAIL SECTION

MAIN PASS

Database File castle_herl #5.db
 Dataset Pathname Stack/pass3.1
 Presentation Format _dil
 Dataset Creation Tue May 19 13:11:09 2026
 Charted by Depth in Feet scaled 1:240

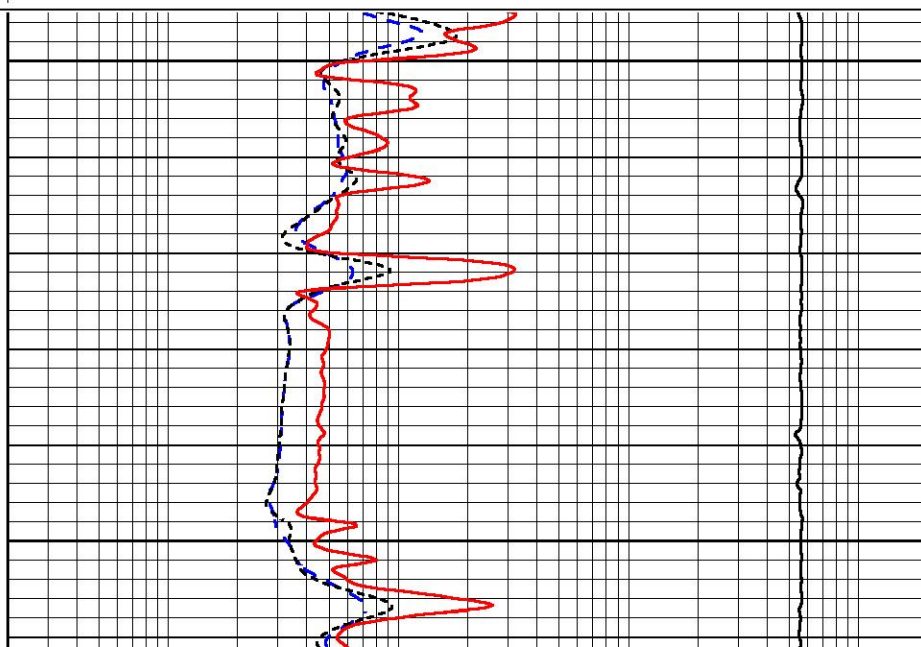
0	Gamma Ray (GAPI)	150
-160	RXORT	40
-200	SP (mV)	0

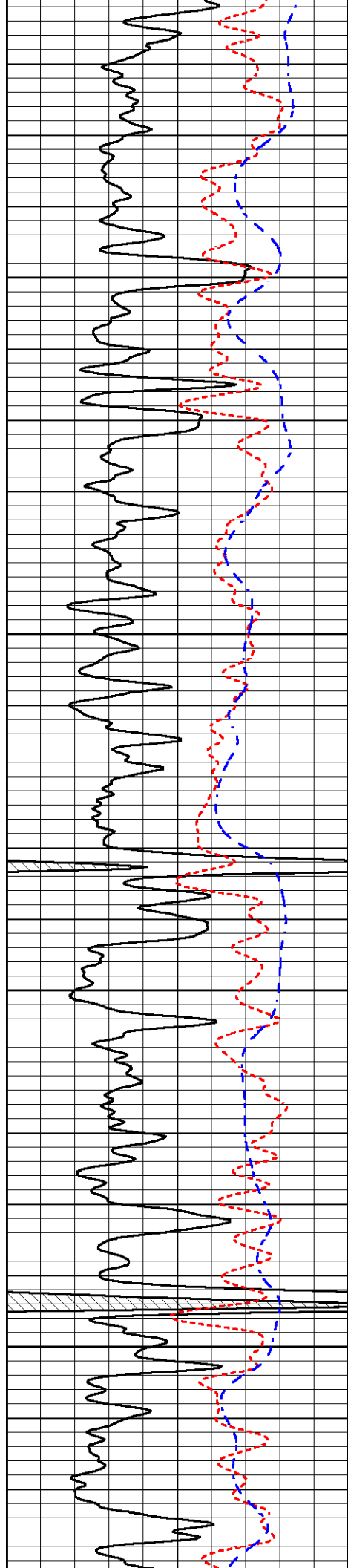


2900

2950

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0



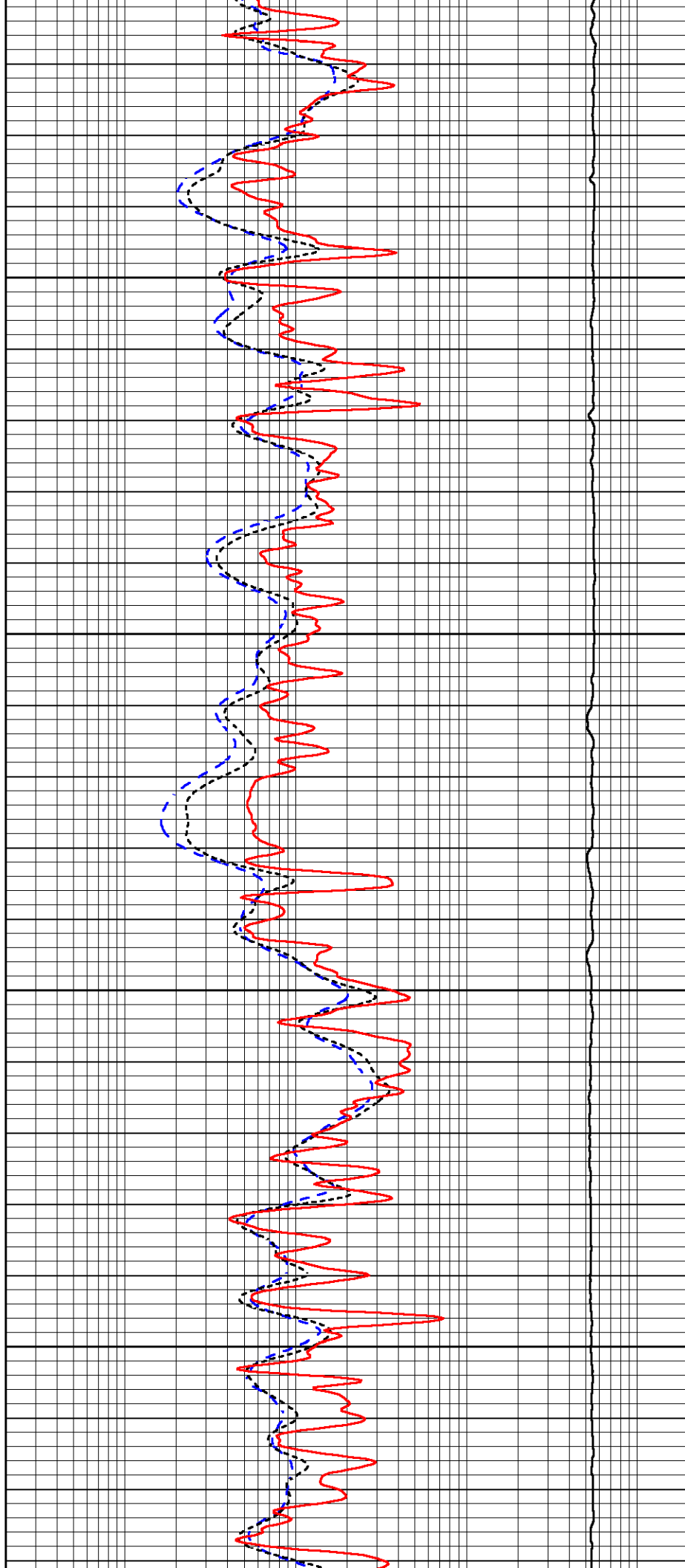


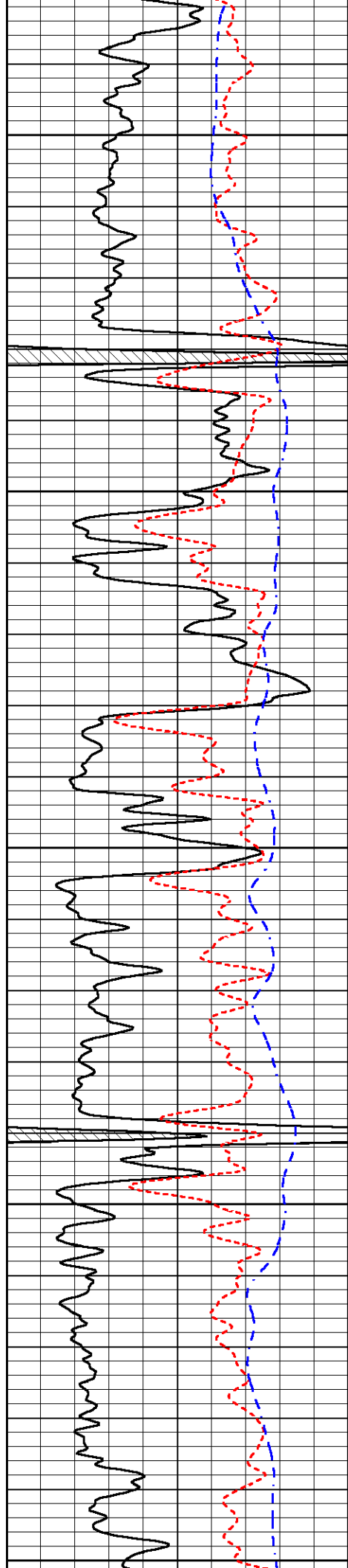
3000

3050

3100

3150





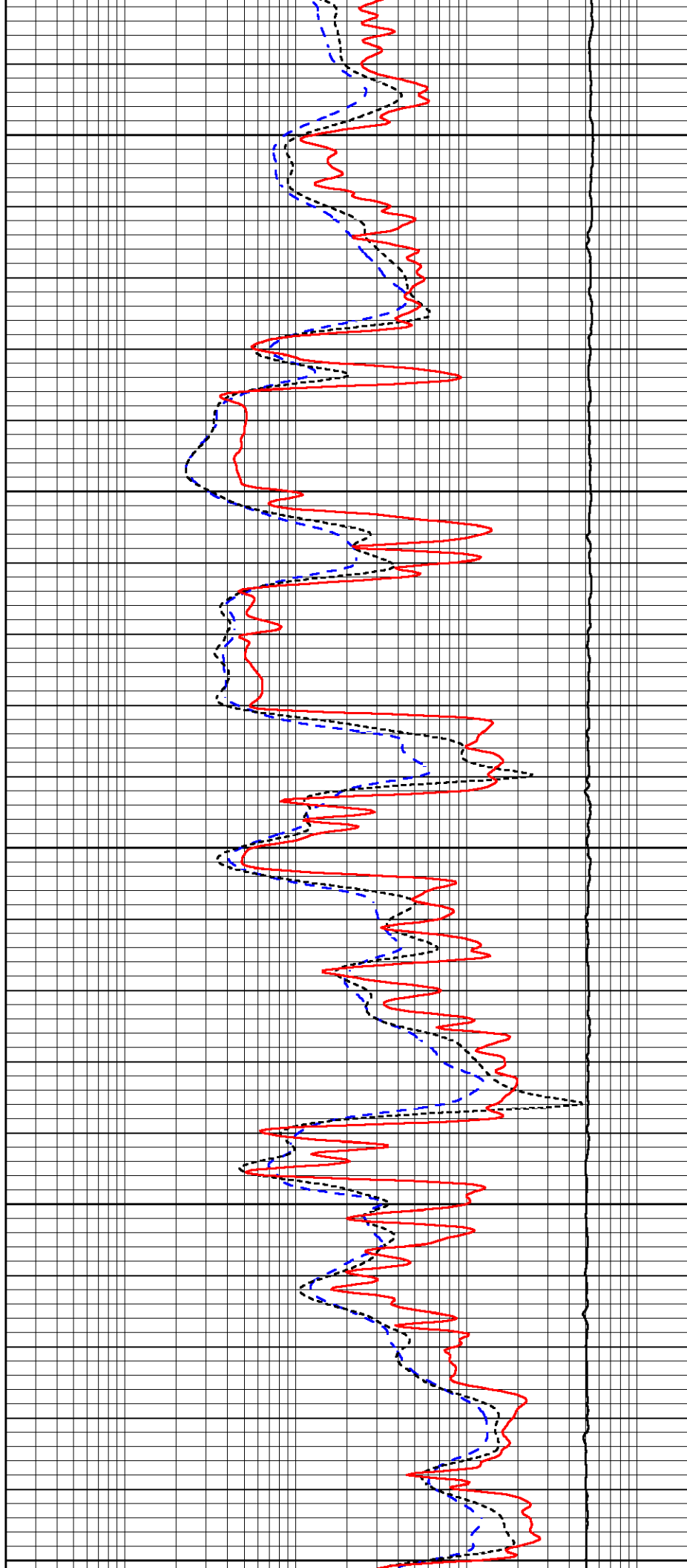
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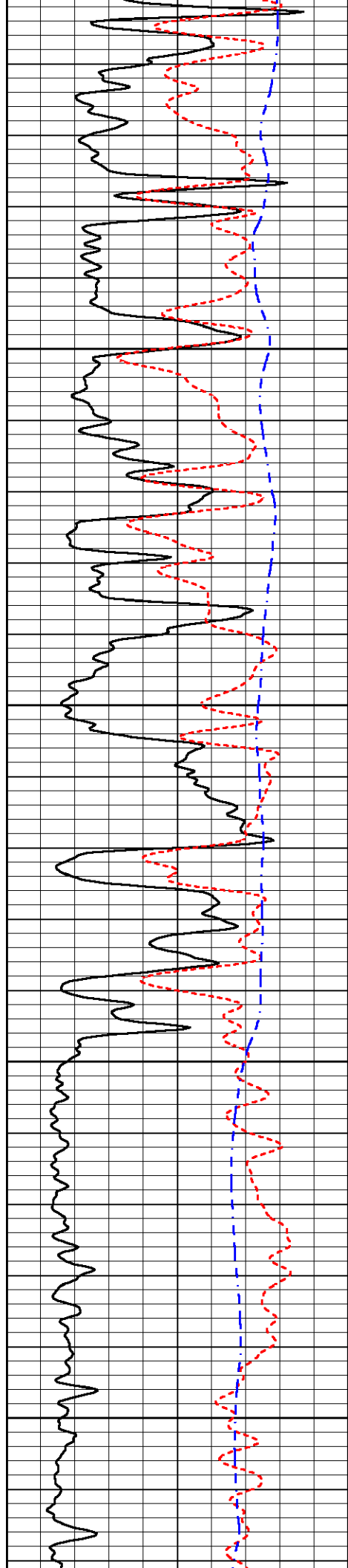
3250

3300

3350

3400



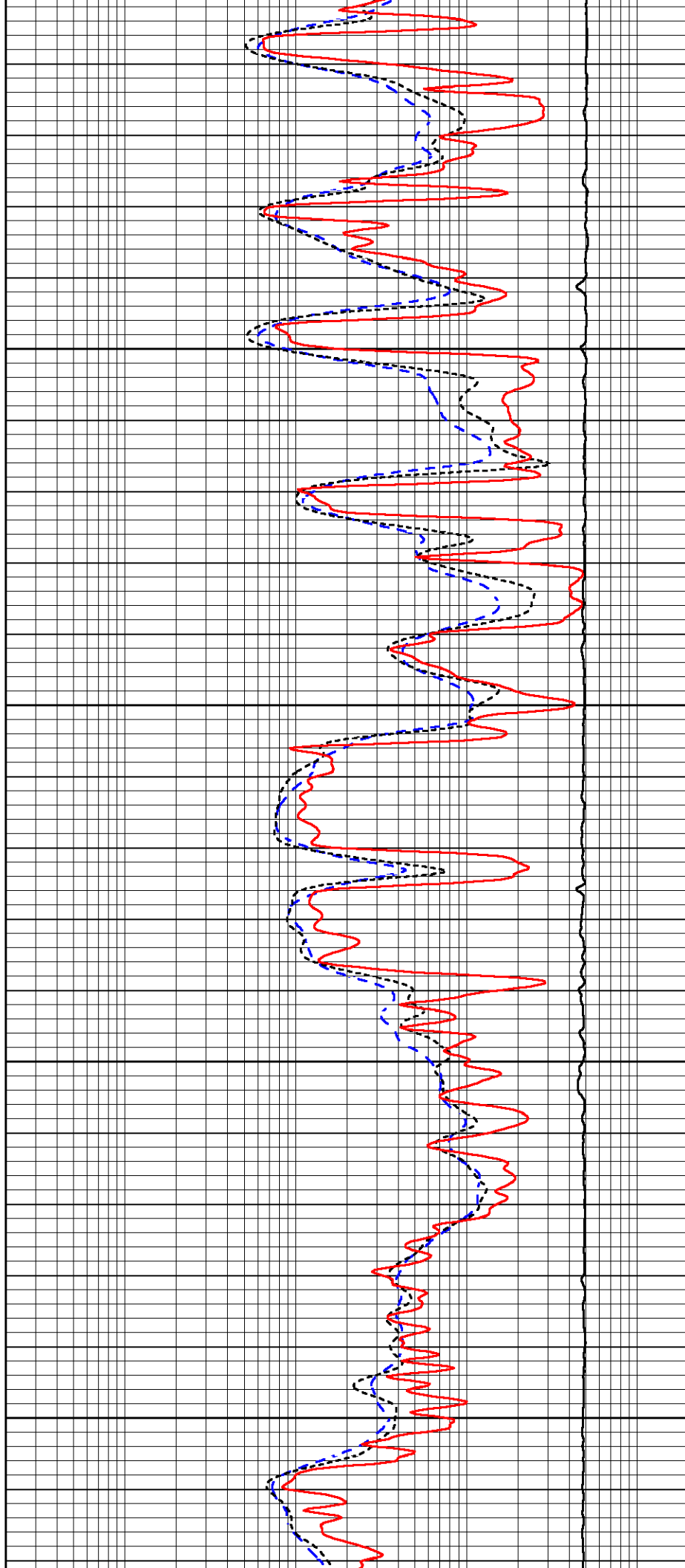


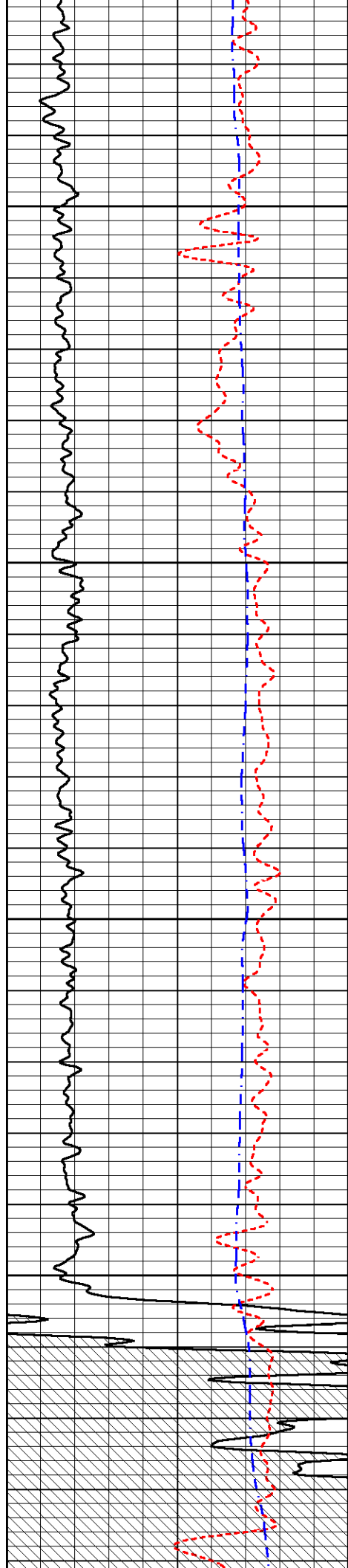
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3500

3550

3600



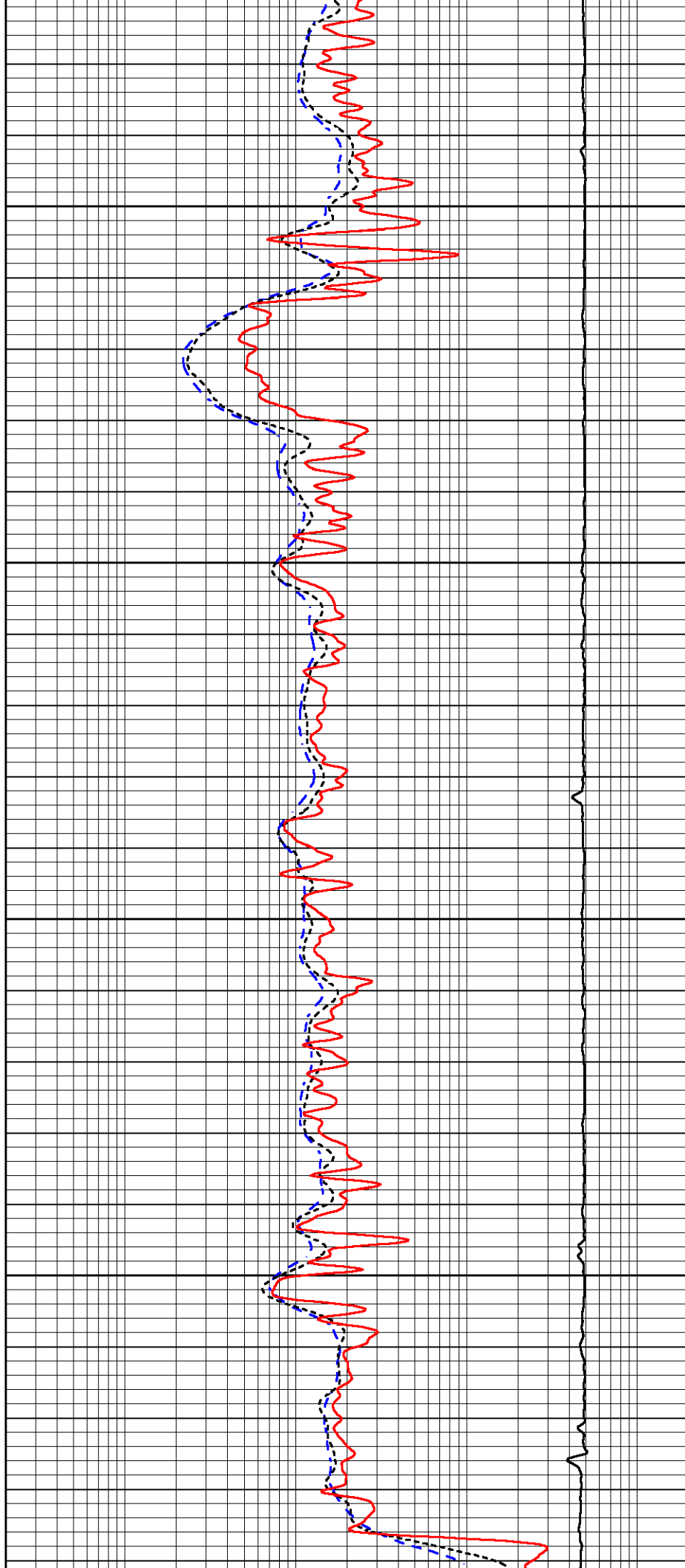


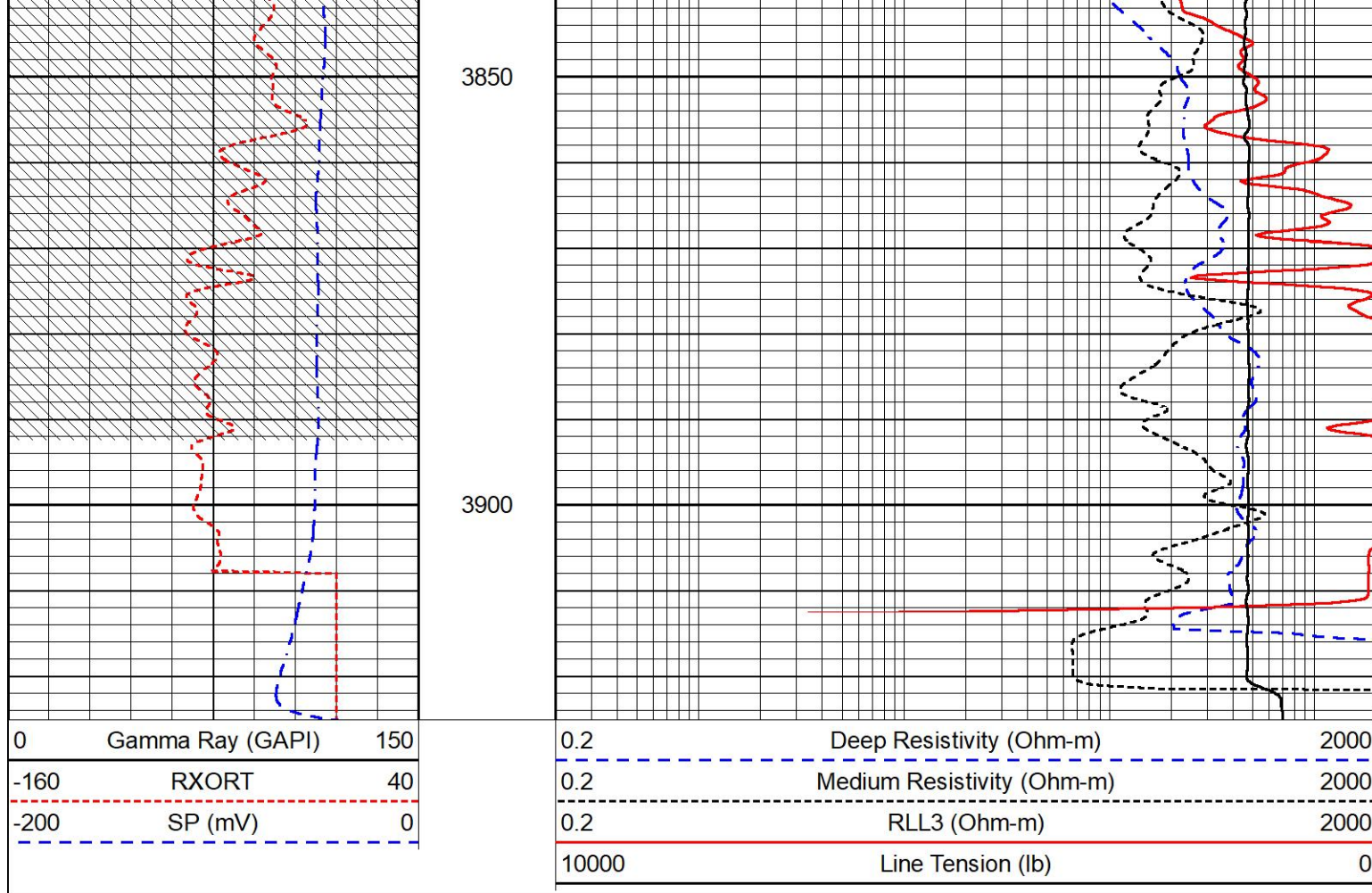
3650

3700

3750

3800



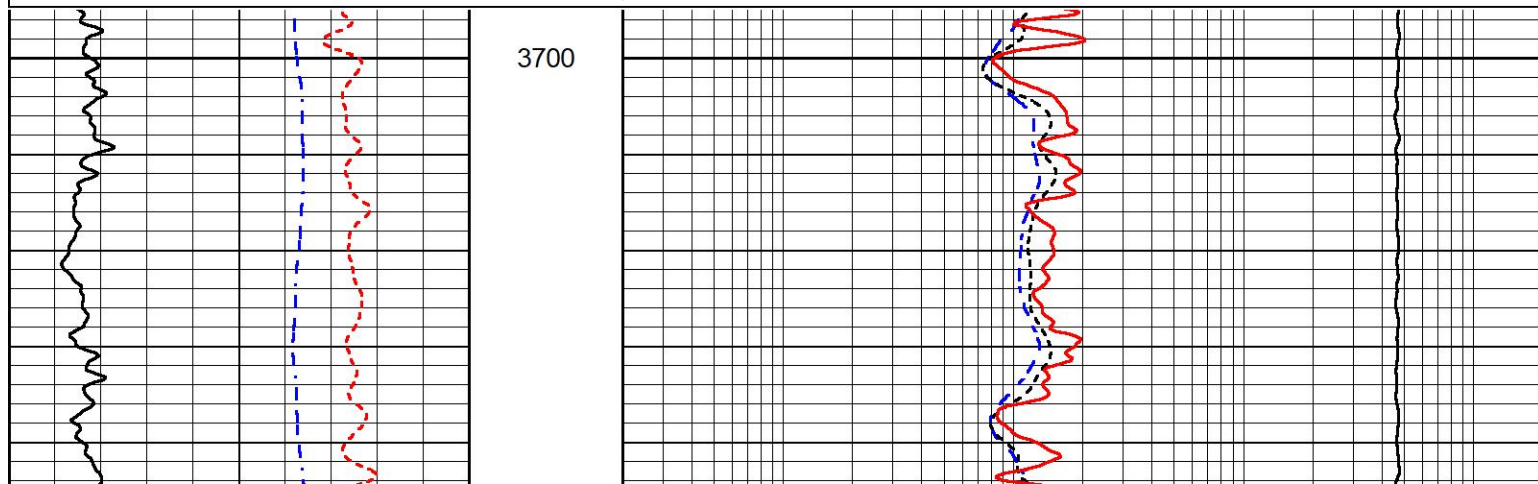
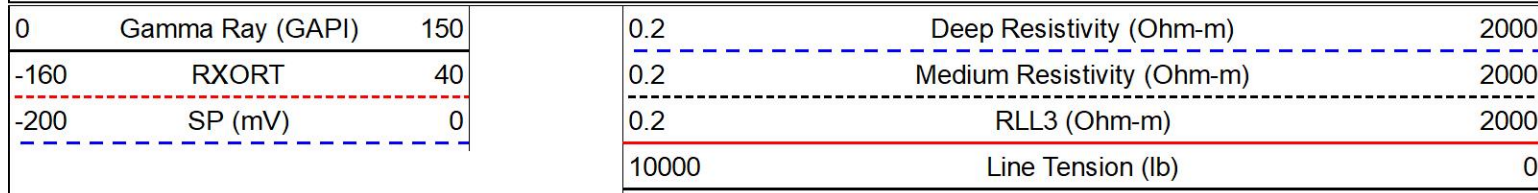


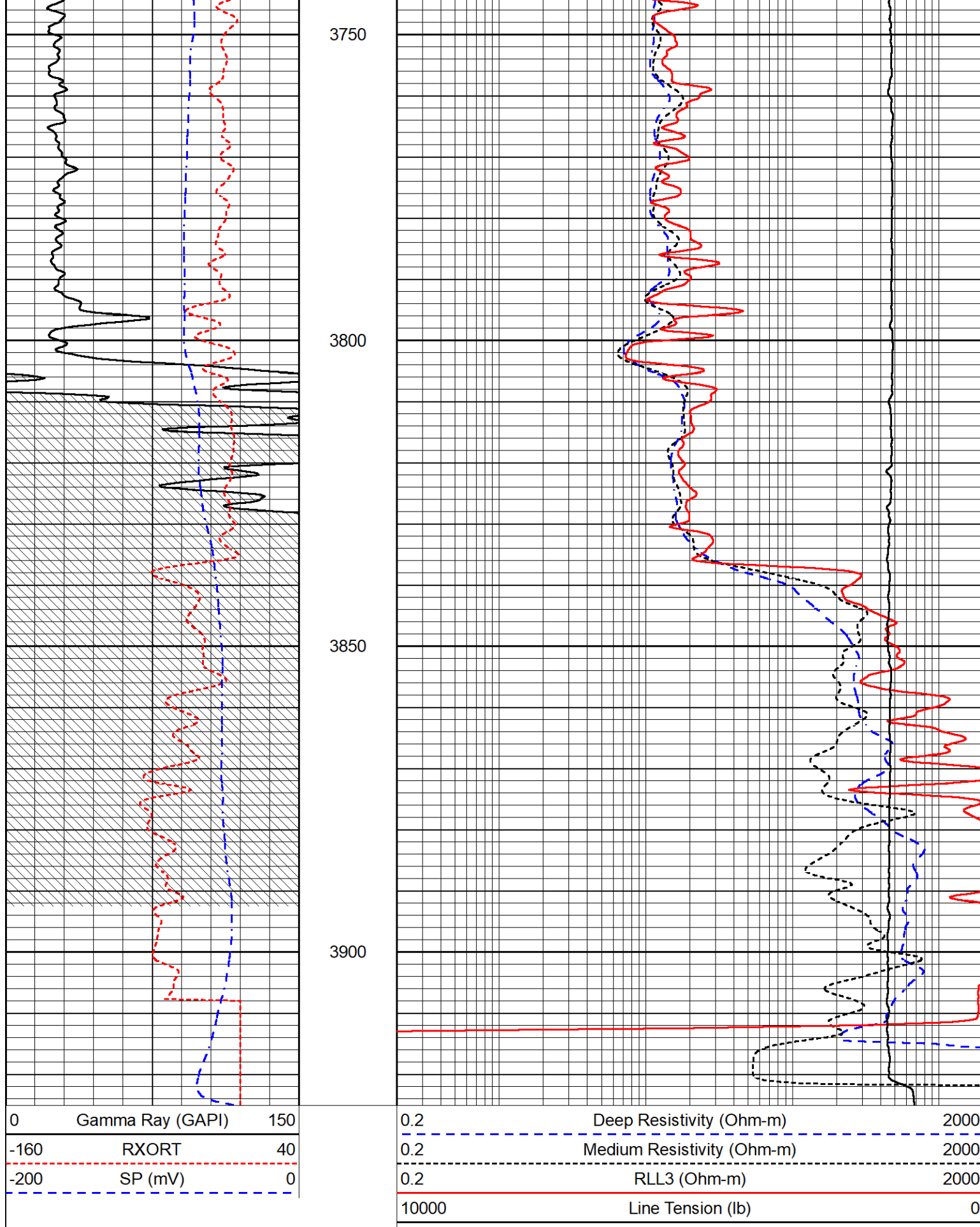
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File castle_herl #5.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _dil
 Dataset Creation Tue May 19 12:36:39 2026
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File castle_herl #5.db
Dataset Pathname Stack/pass3.1
Dataset Creation Tue May 19 13:11:09 2026



MIDWEST WIRELINE

Well	Herl #5
Field	Wheatland SW
County	Ellis
State	Kansas