



DUAL INDUCTION LOG

MIDWEST WIRELINE

Company Thomas Garner, Inc.		Company Thomas Garner, Inc.	
Well	Jennifer #1	Well	Jennifer #1
Field	Rattlesnake SouthEast	Field	Rattlesnake SouthEast
County	Stafford	County	Stafford
State	Kansas	State	Kansas
Location: API #: 15-185-24099-00-00		Other Services	
479 FNL 3030 FEL		CNL/CDL MEL/BHCS	
Permanent Datum	Ground Level	Elevation	1928
Log Measured From	Kelly Bushing	K.B.	1941
Drilling Measured From	Kelly Bushing	D.F.	1928
		G.L.	1928
SEC 18 TWP 24S RGE 13W			
Date	12/3/2021		
Run Number	One		
Depth Driller	4375		
Depth Logger	4380		
Bottom Logged Interval	4379		
Top Log Interval	350		
Casing Driller	8.625 @ 399		
Casing Logger	406		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	9300		
Density / Viscosity	9.25 56		
pH / Fluid Loss	11.0 9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.30 @ 55		
Rmt @ Meas. Temp	0.23 @ 55		
Rmc @ Meas. Temp	0.41 @ 55		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.14 @ 120		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	120		
Equipment Number	P-24		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Keith Reavis		

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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.
South to Old 50 Rd, 2 West,
1 South, 1/2 West,
South into

Log Measured From: Kelly Bushing

13 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Keith Reavis
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\thomgarner_jennifer 1.db
Dataset field/well/stkml/pass3.4/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 120	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 165	degF 50	Off	ft 4380

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

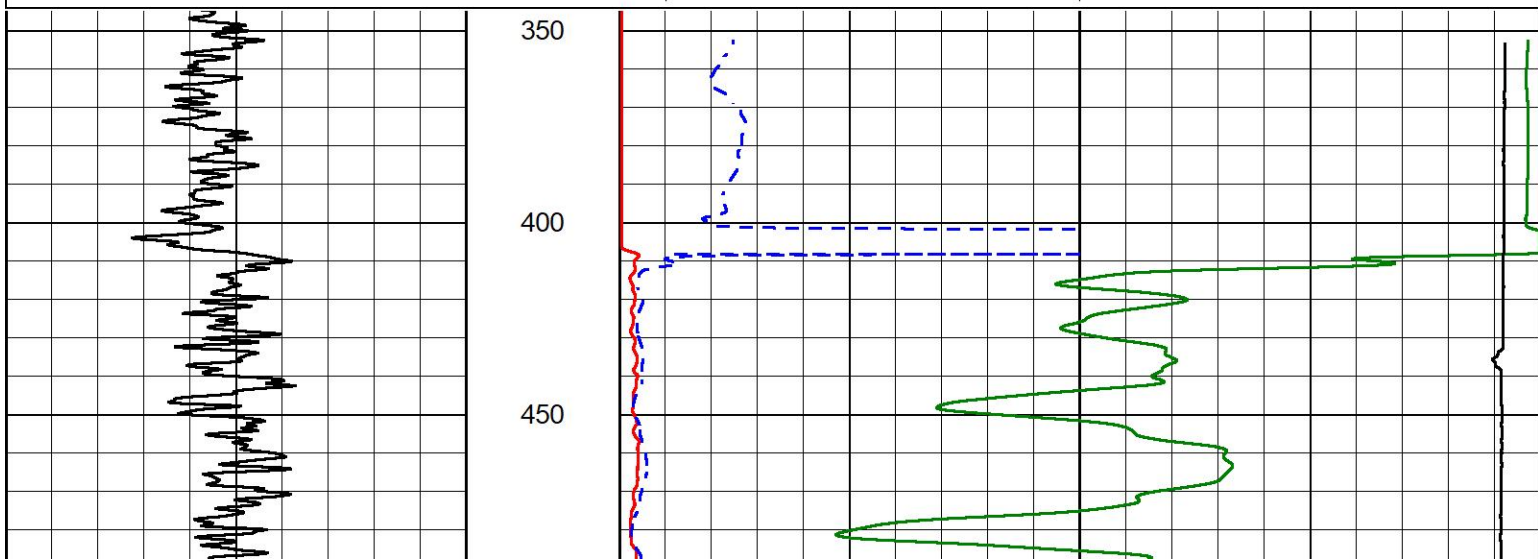


2" SCALE RESISTIVITY

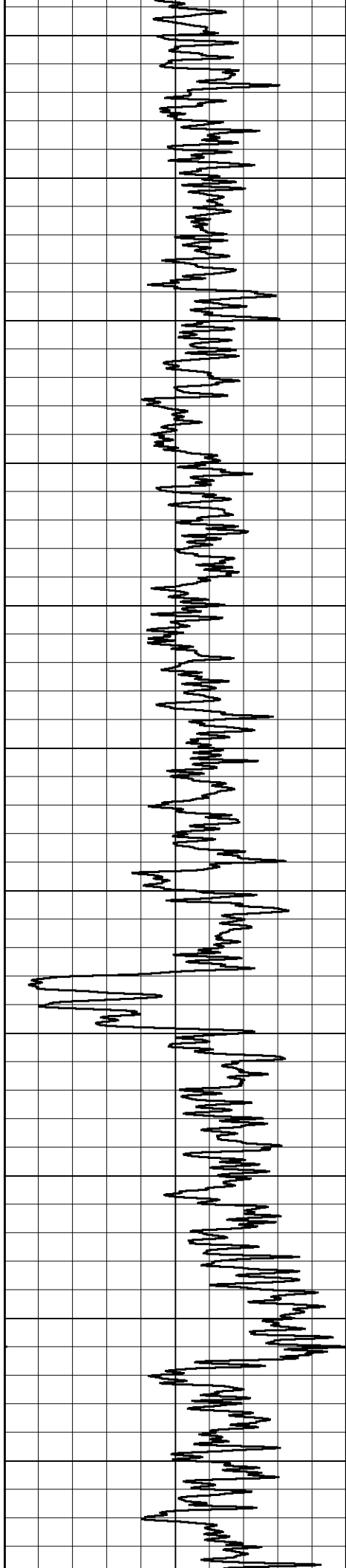
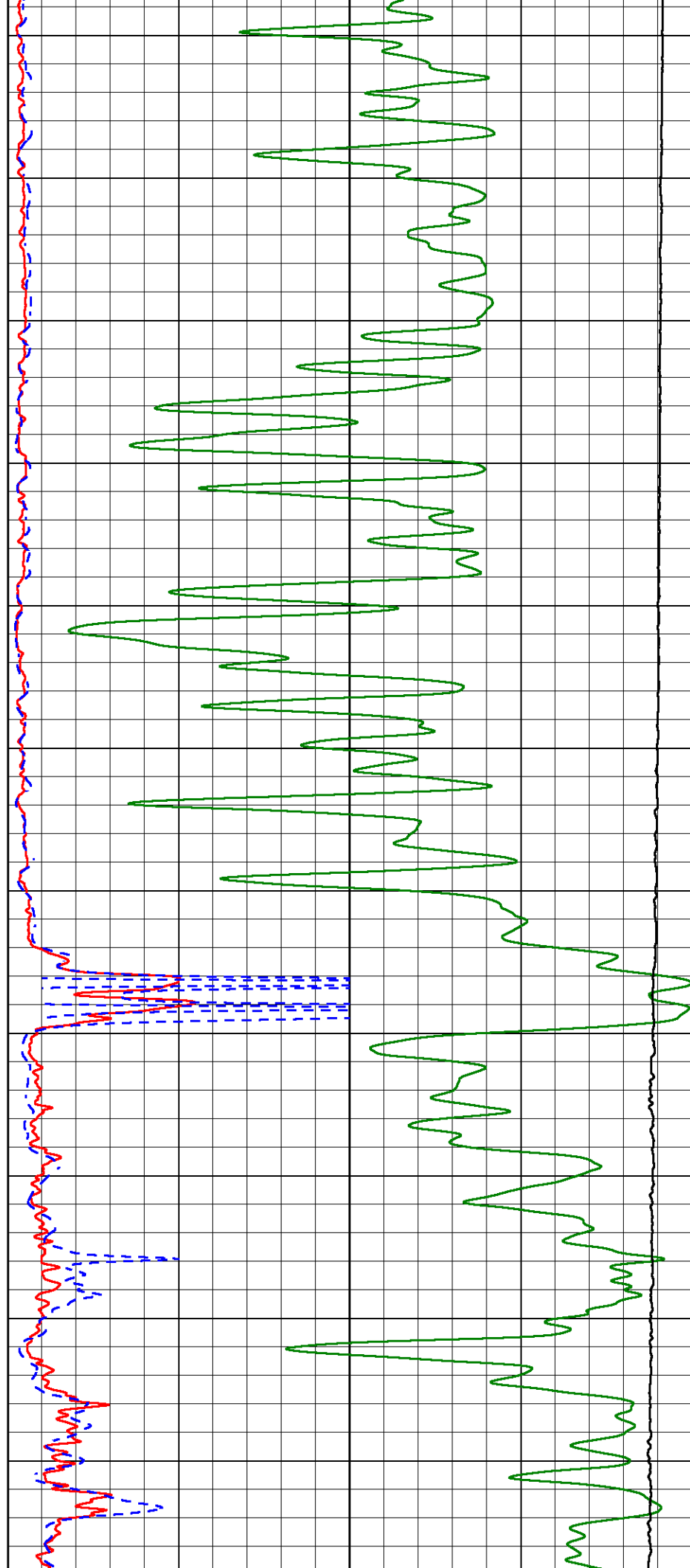
MAIN PASS

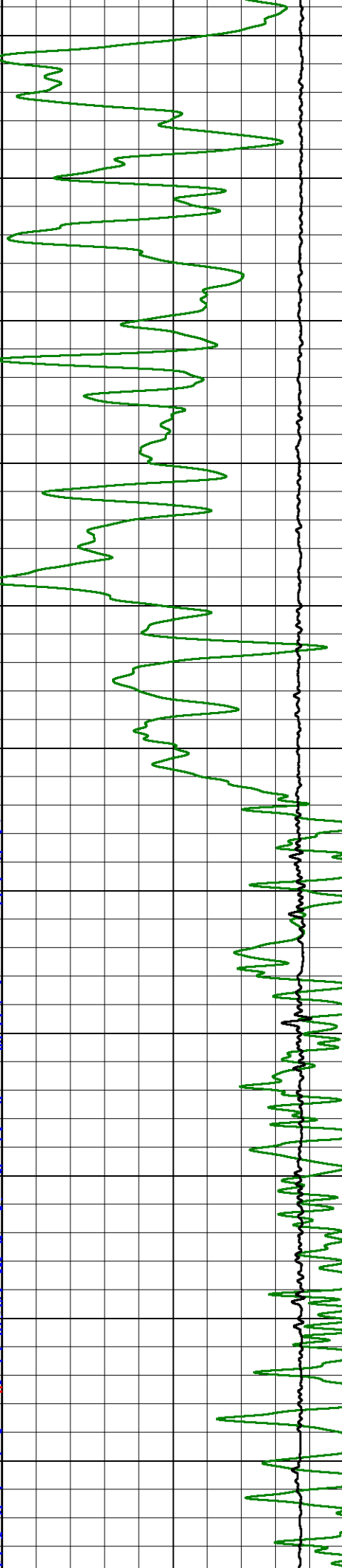
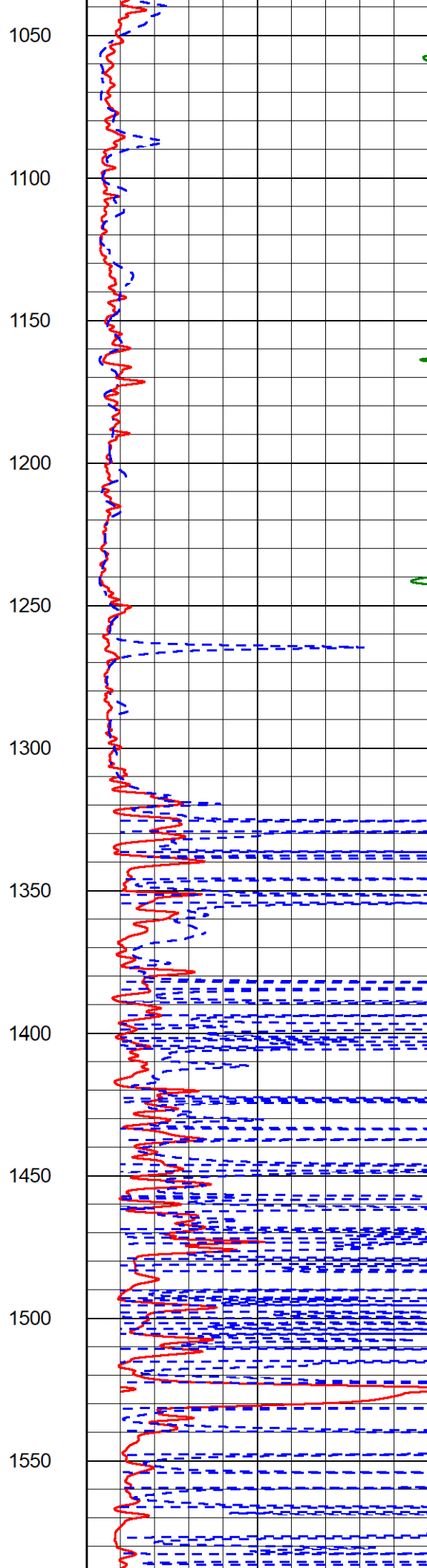
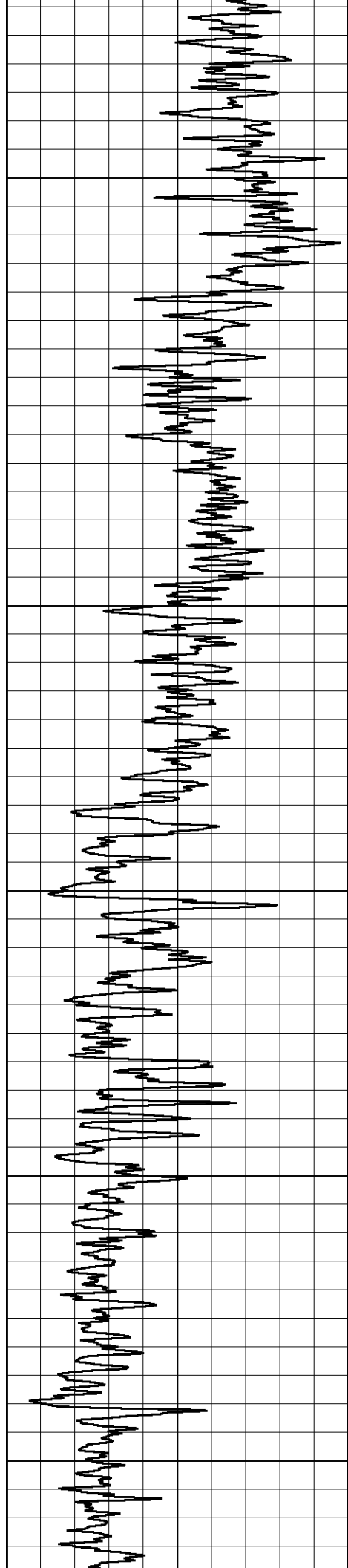
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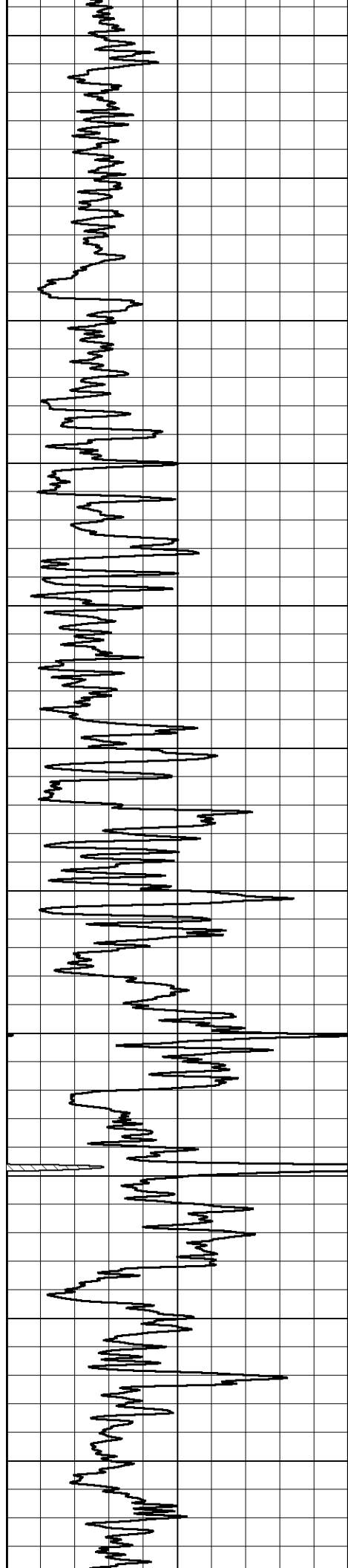
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			15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
				Shallow Resistivity	
			50	(Ohm-m)	200
			50	Deep Resistivity (Ohm-m)	200



500
550
600
650
700
750
800
850
900
950
1000







1600

1650

1700

1750

1800

1850

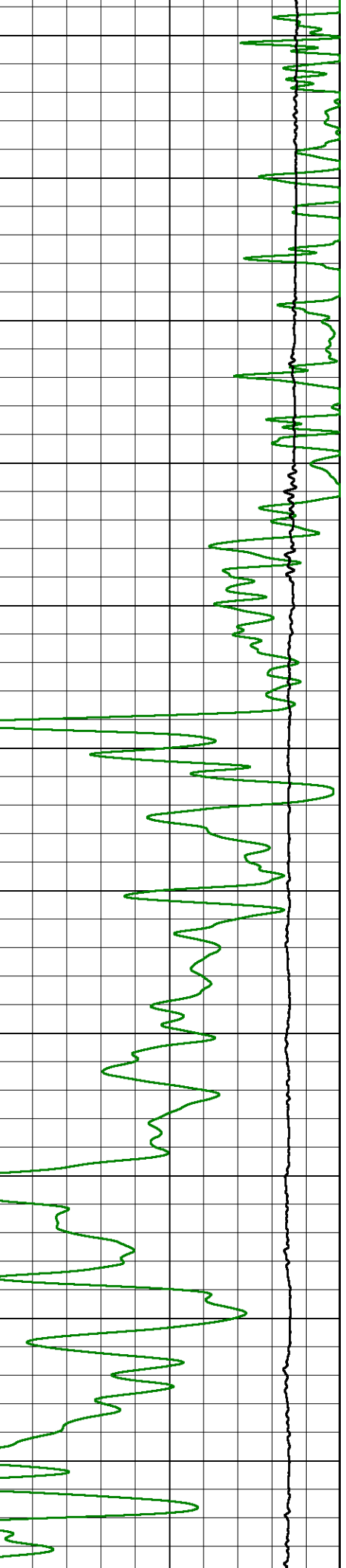
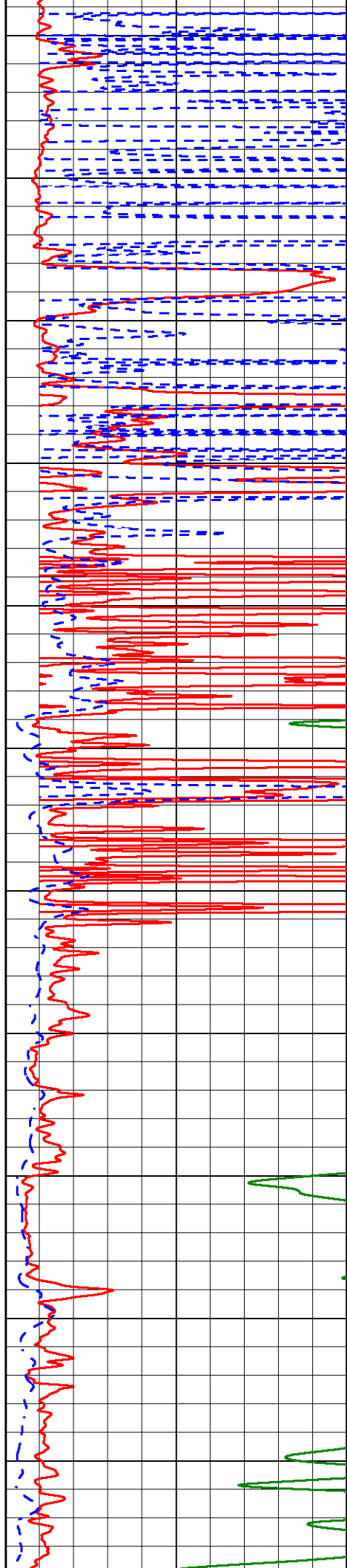
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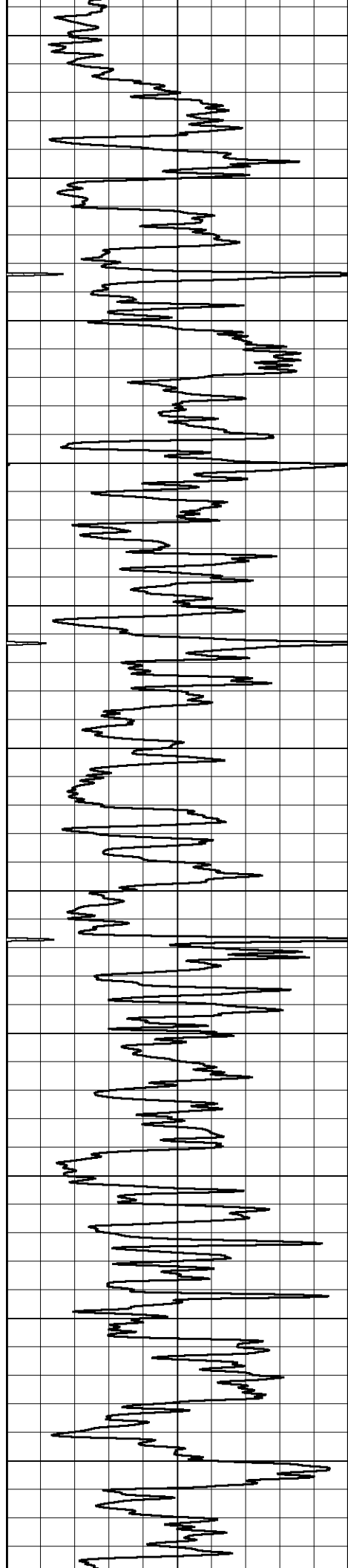
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2000

2050

2100





2150

2200

2250

2300

2350

2400

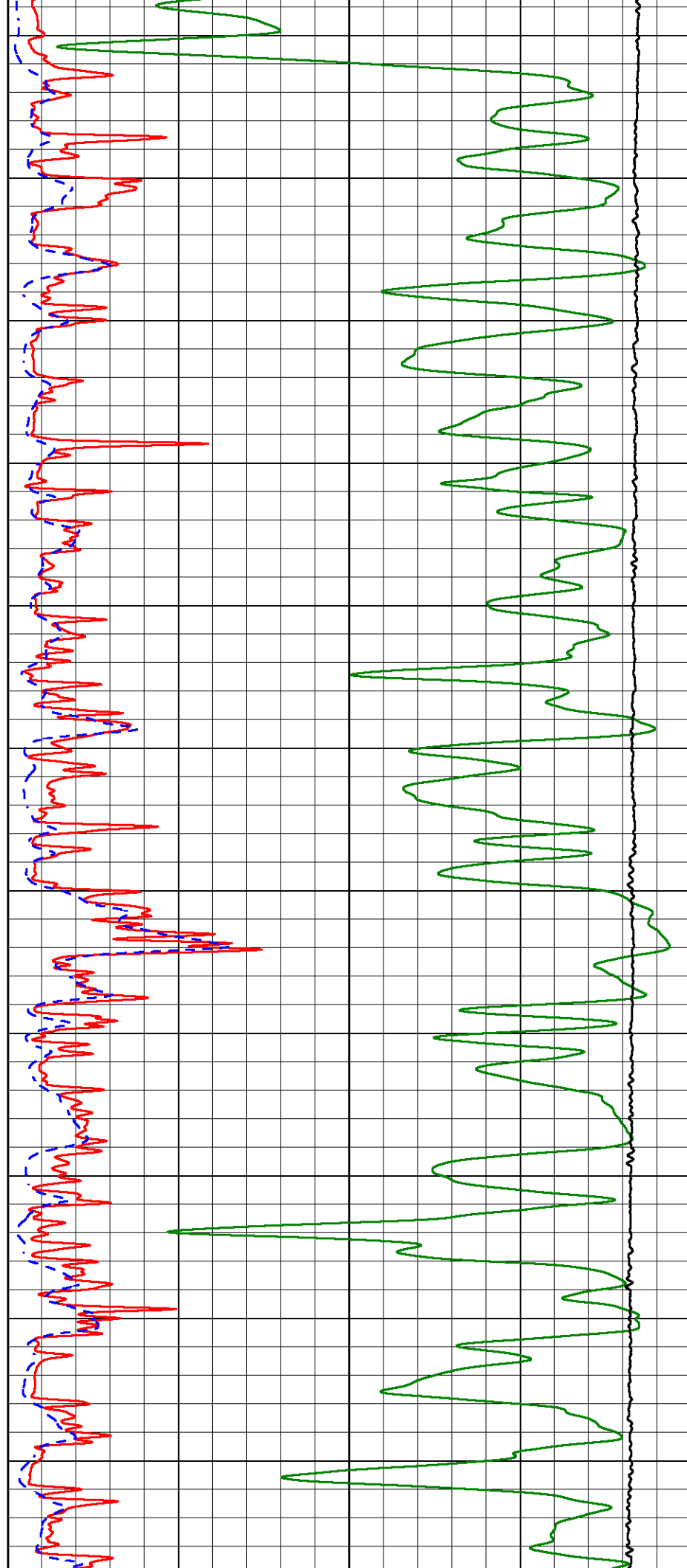
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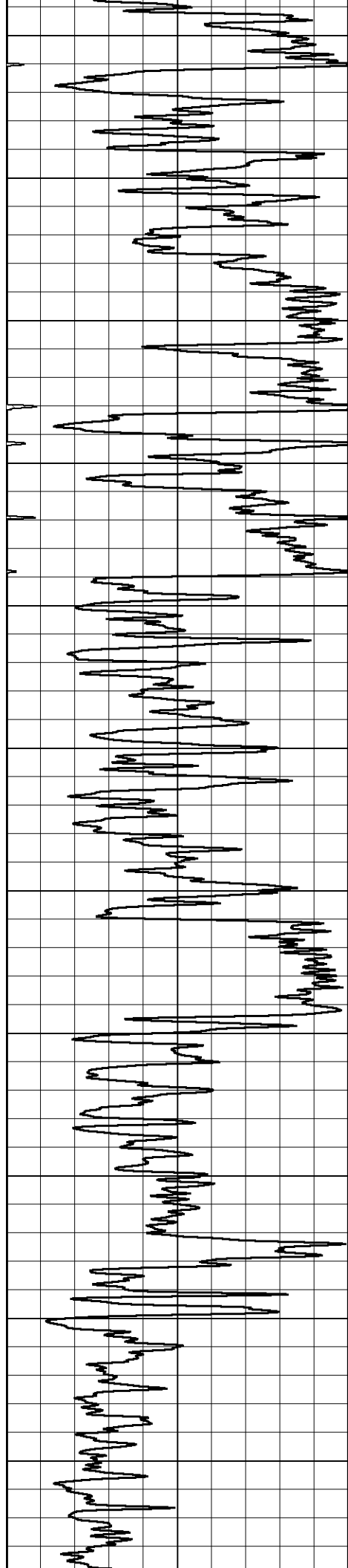
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2550

2600

2650





2700

2750

2800

2850

2900

2950

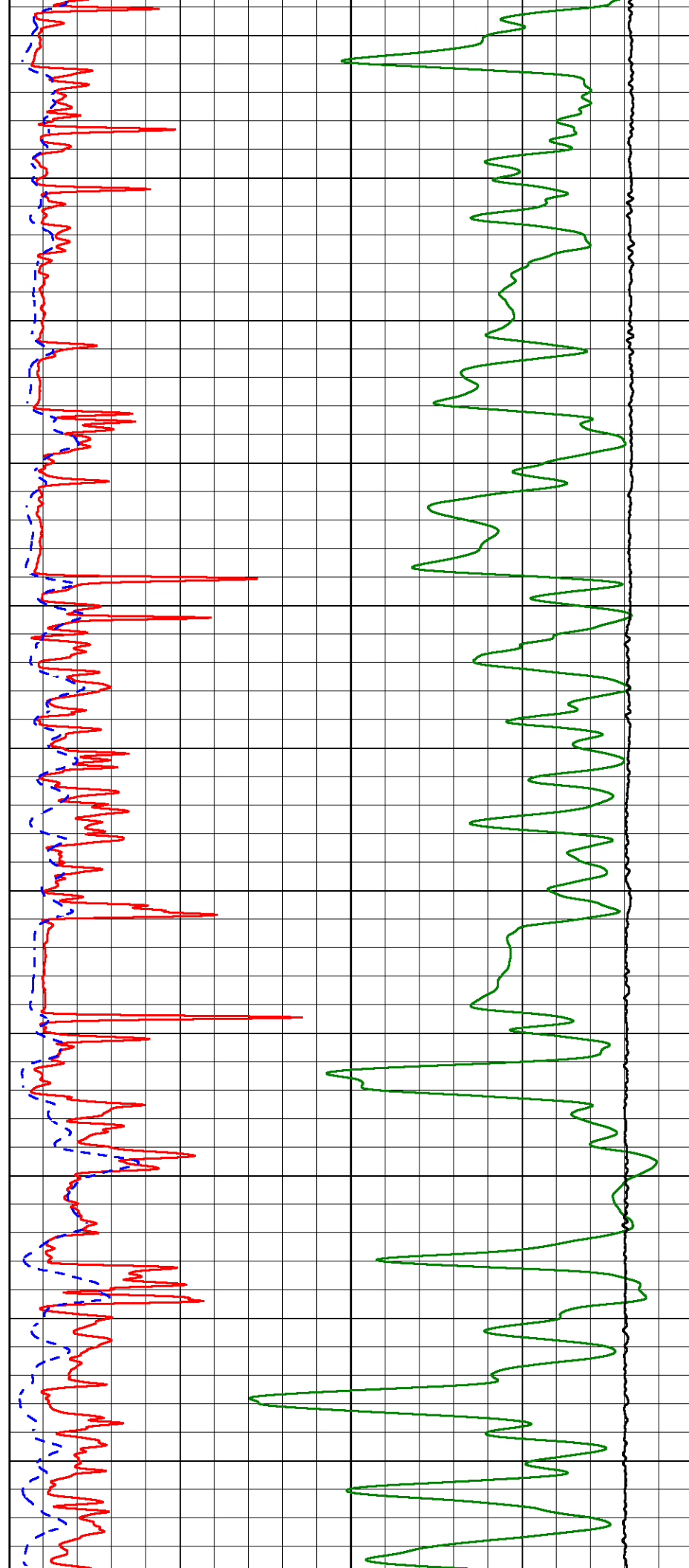
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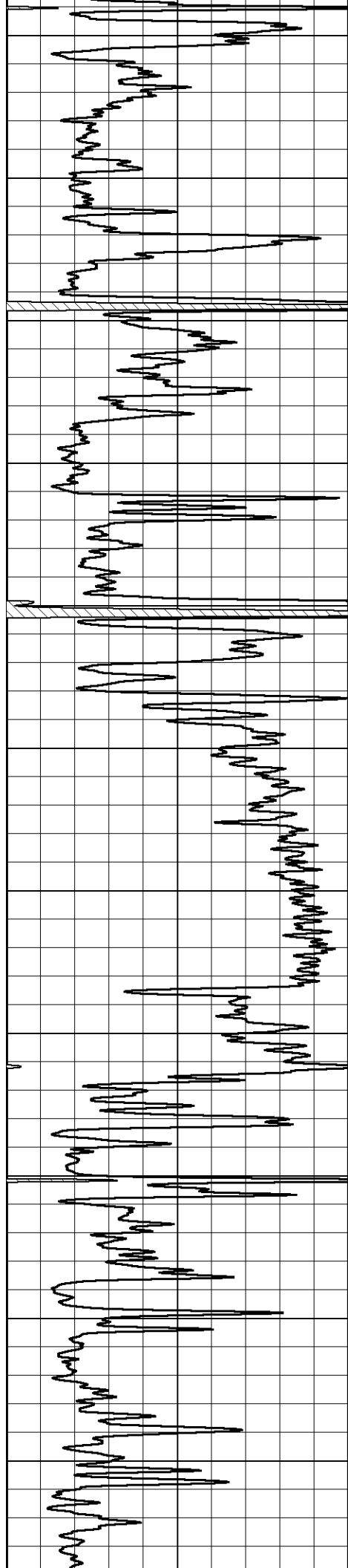
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3100

3150

3200





3250

3300

3350

3400

3450

3500

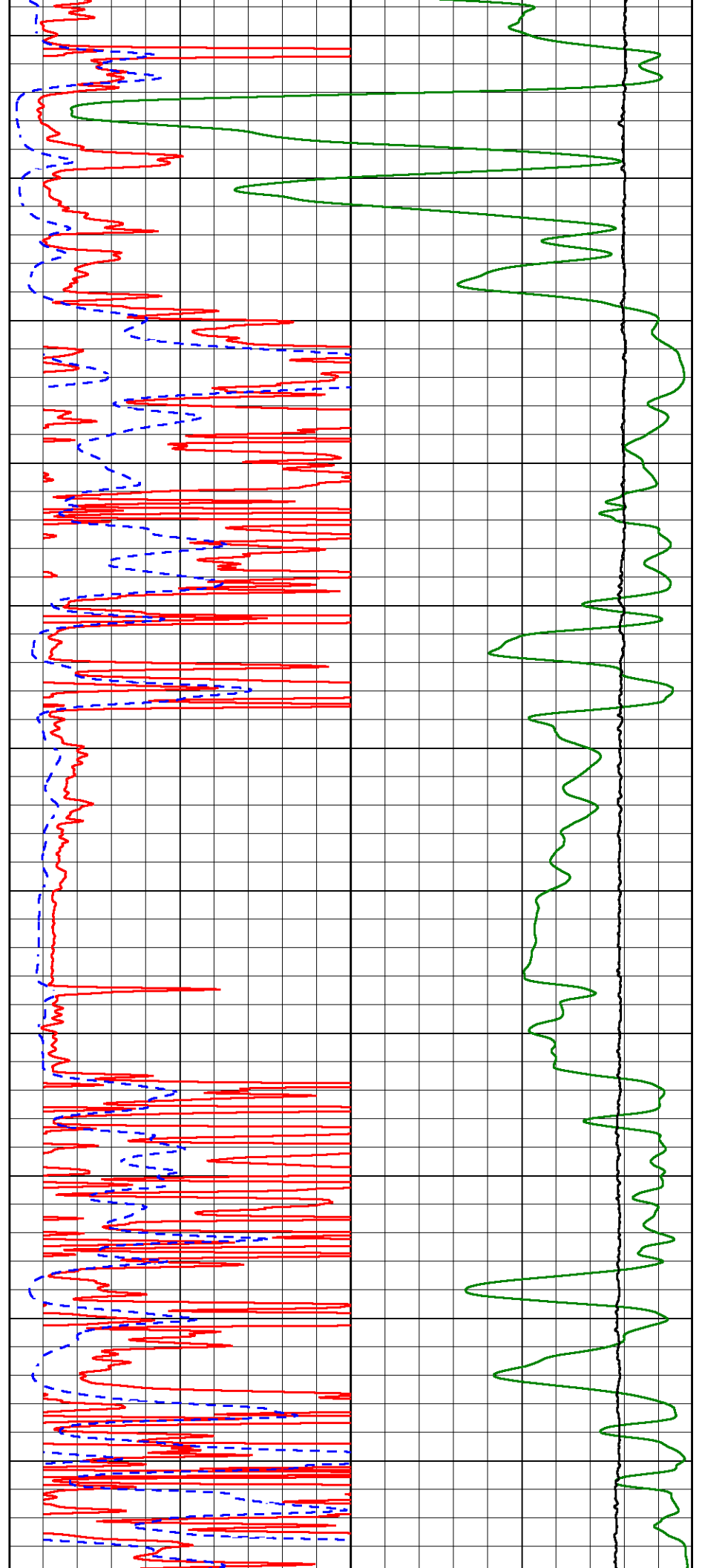
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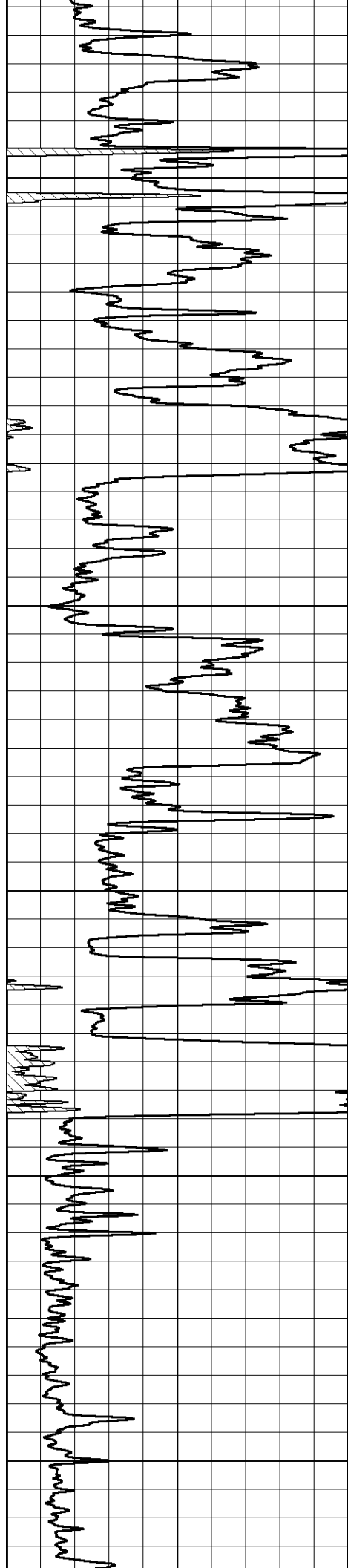
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3650

3700

3750





3800

3850

3900

3950

4000

4050

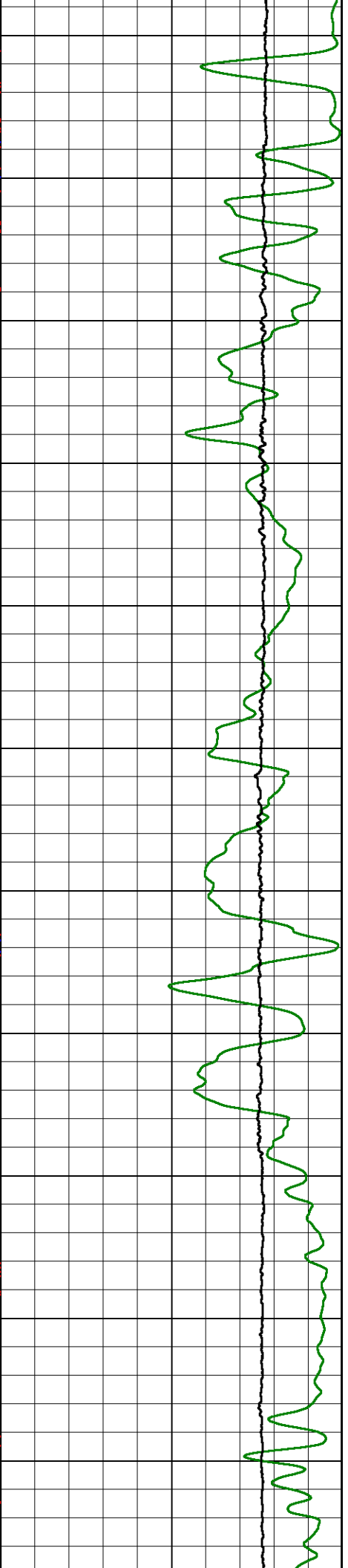
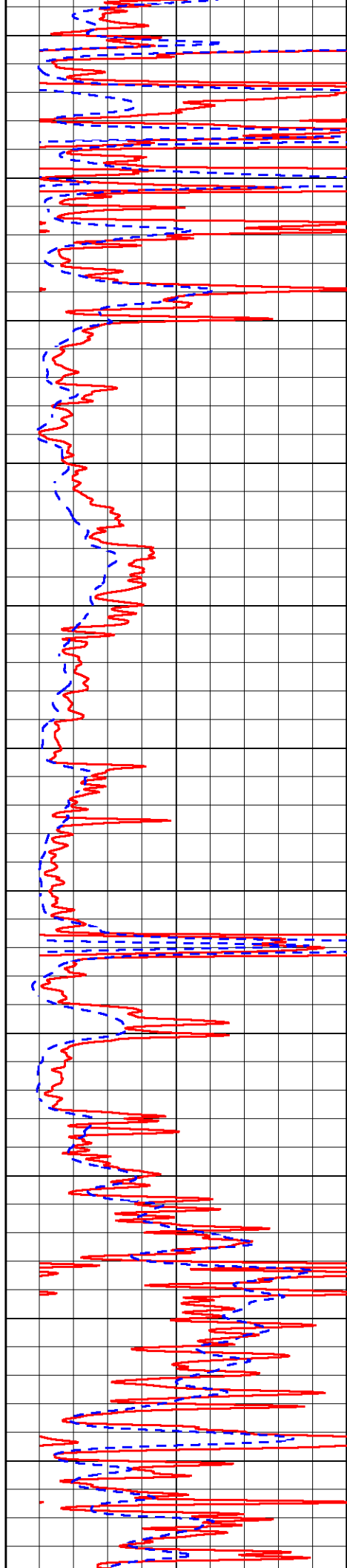
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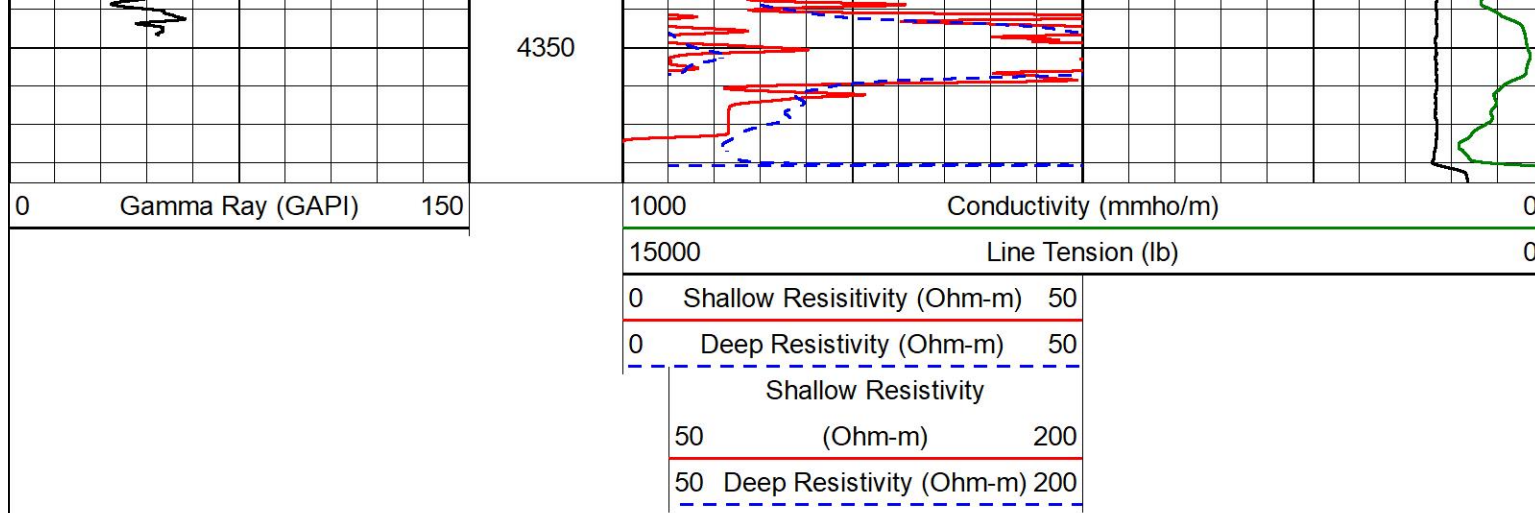
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4200

4250

4300



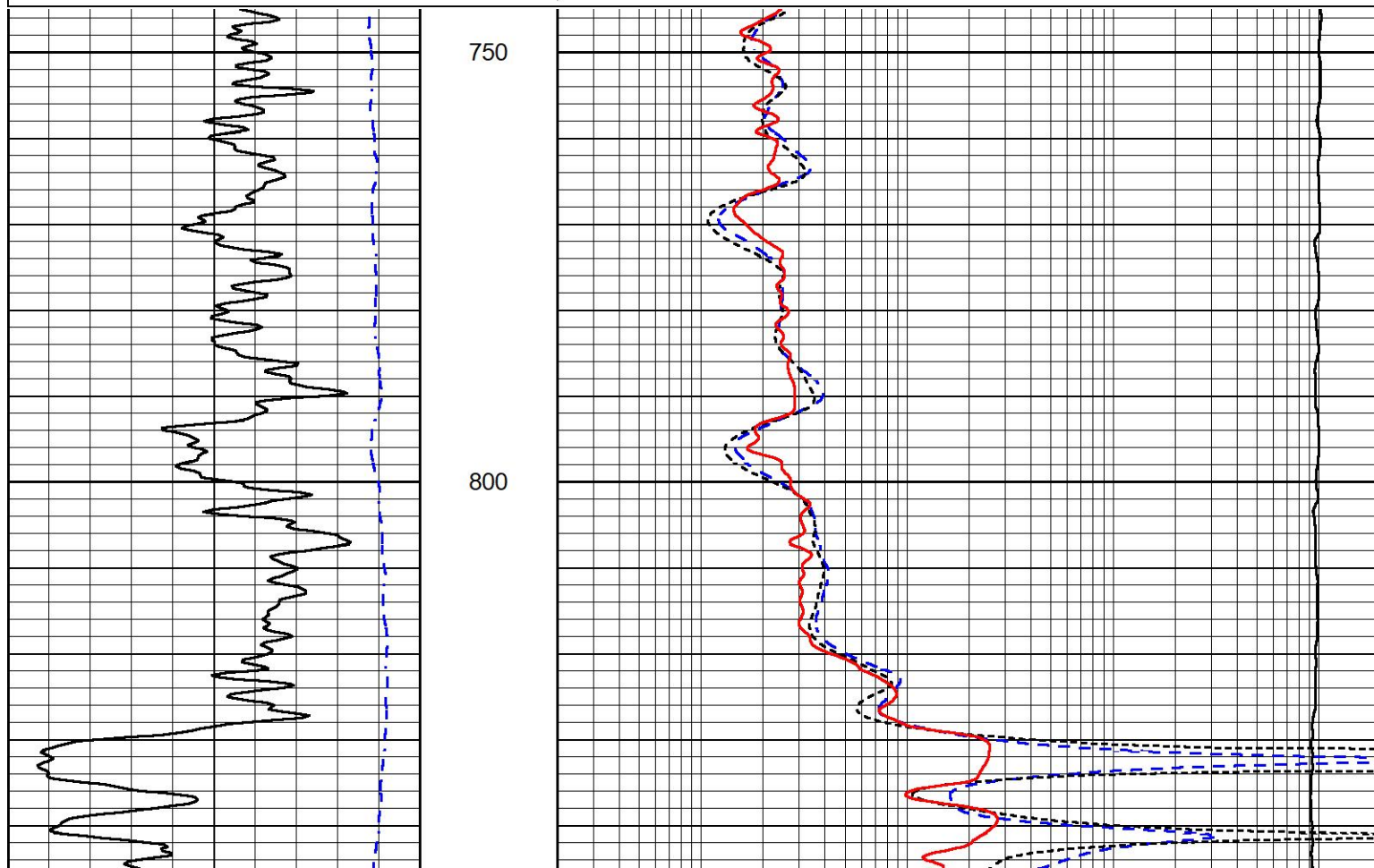
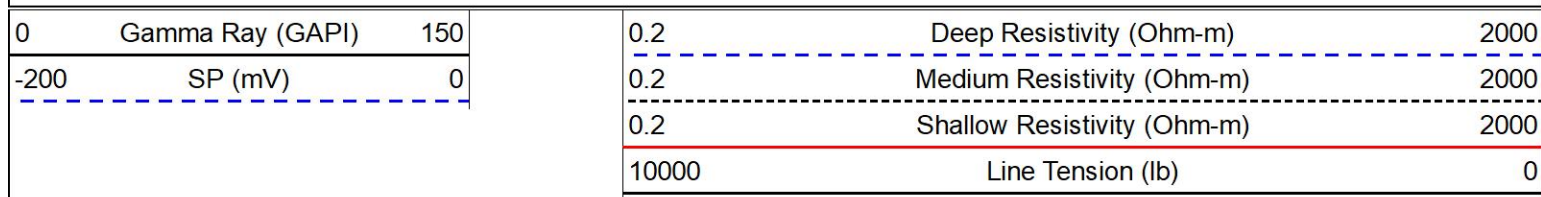


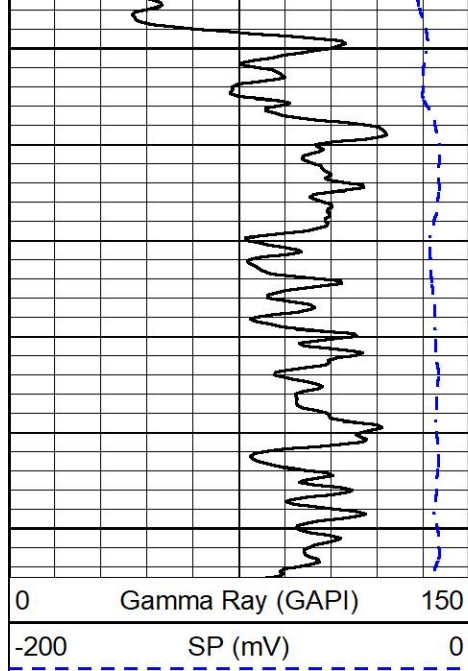
MIDWEST WIRELINE

ANHYDRITE SECTION

MAIN PASS

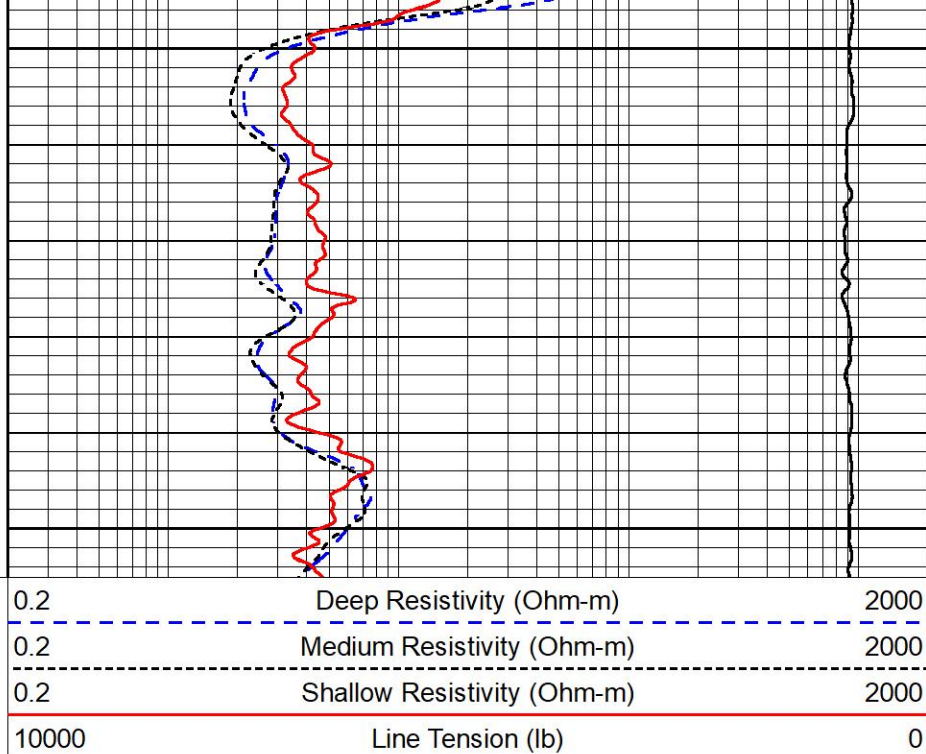
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850

900

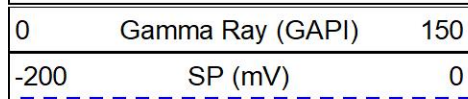


MIDWEST WIRELINE

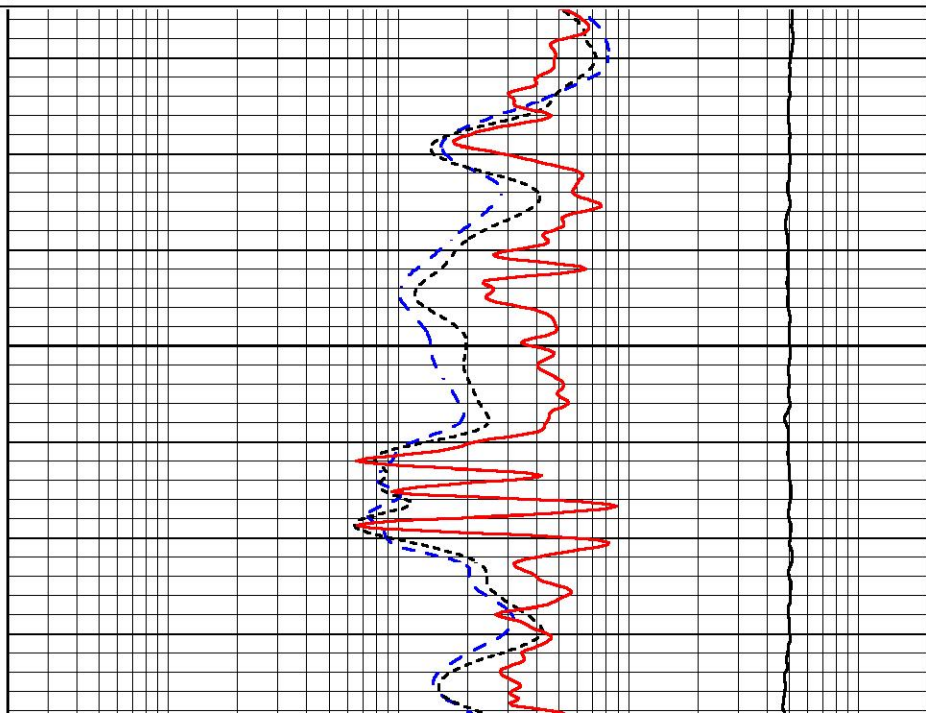
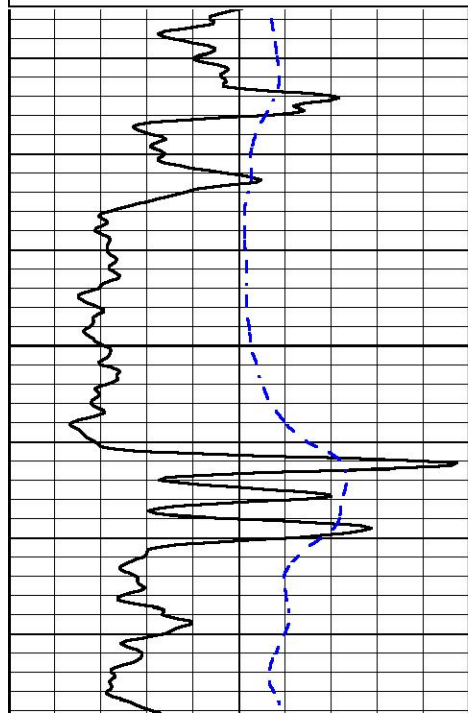
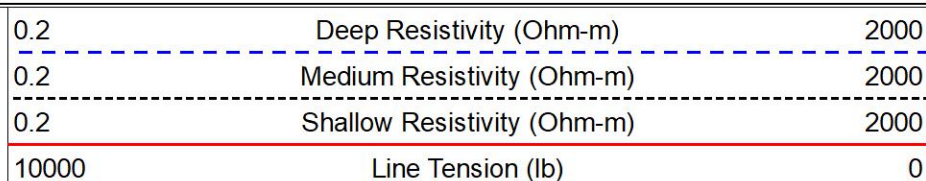
DETAIL SECTION

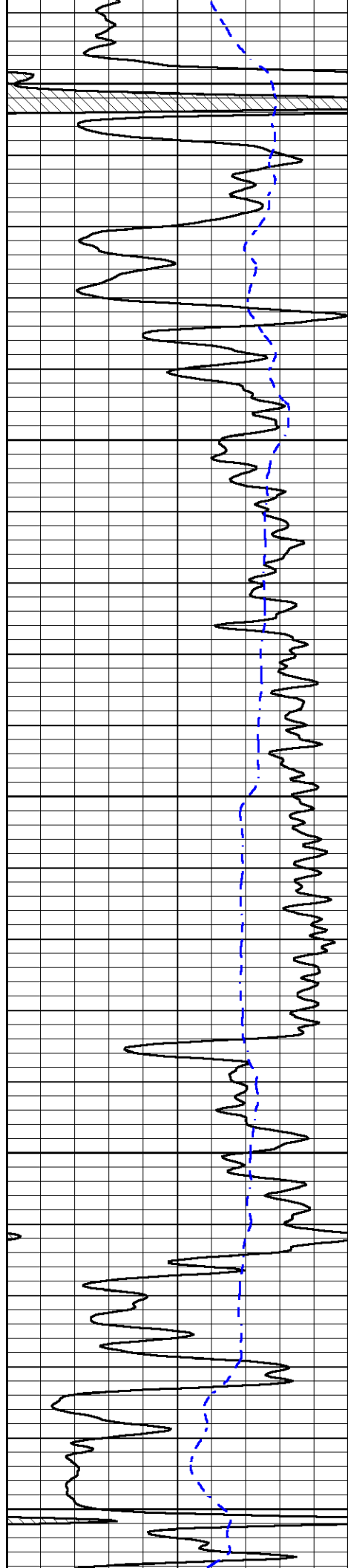
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3400





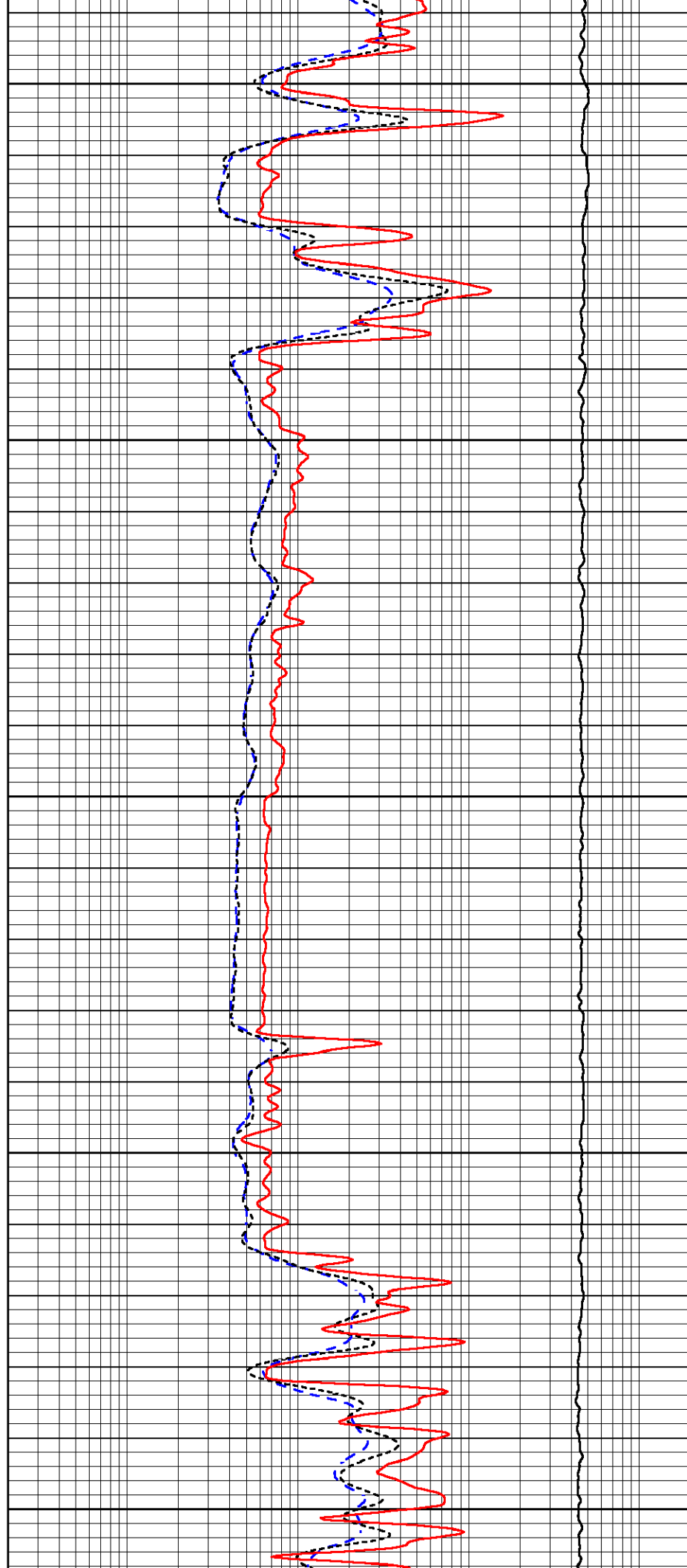
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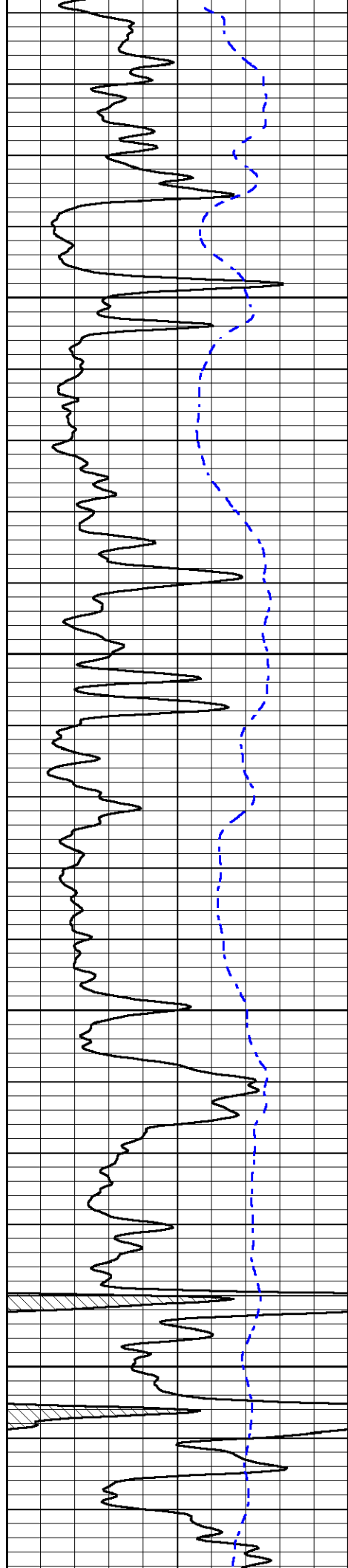
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3550

3600

3650



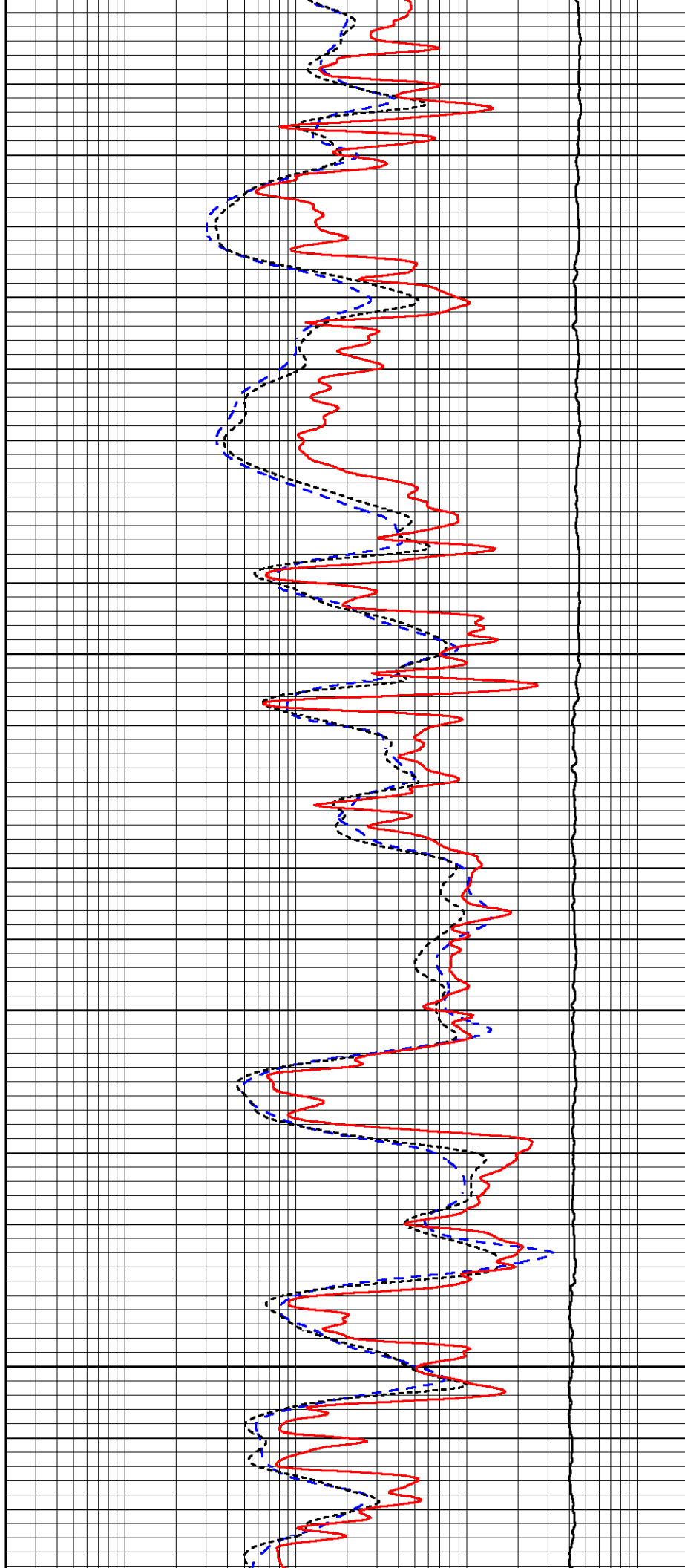


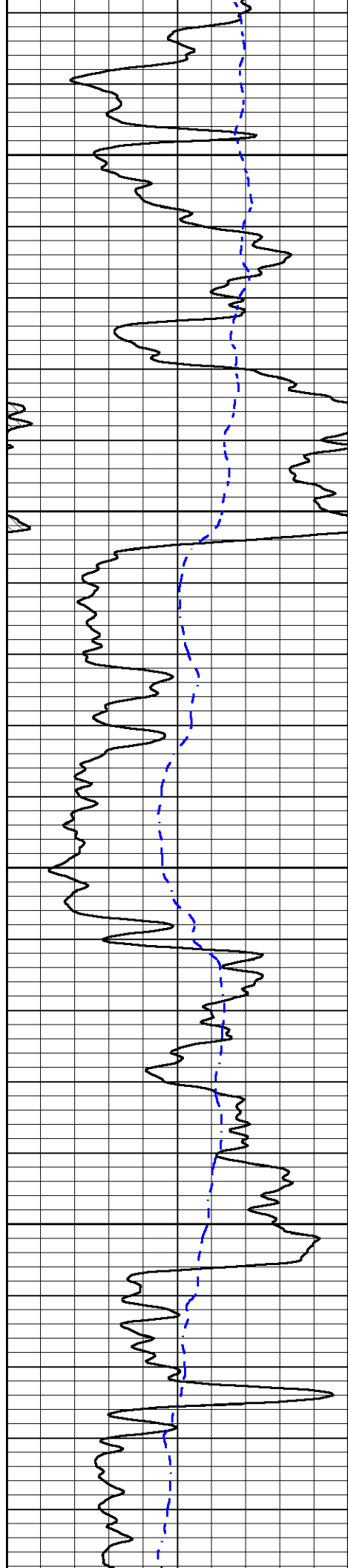
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3750

3800

3850



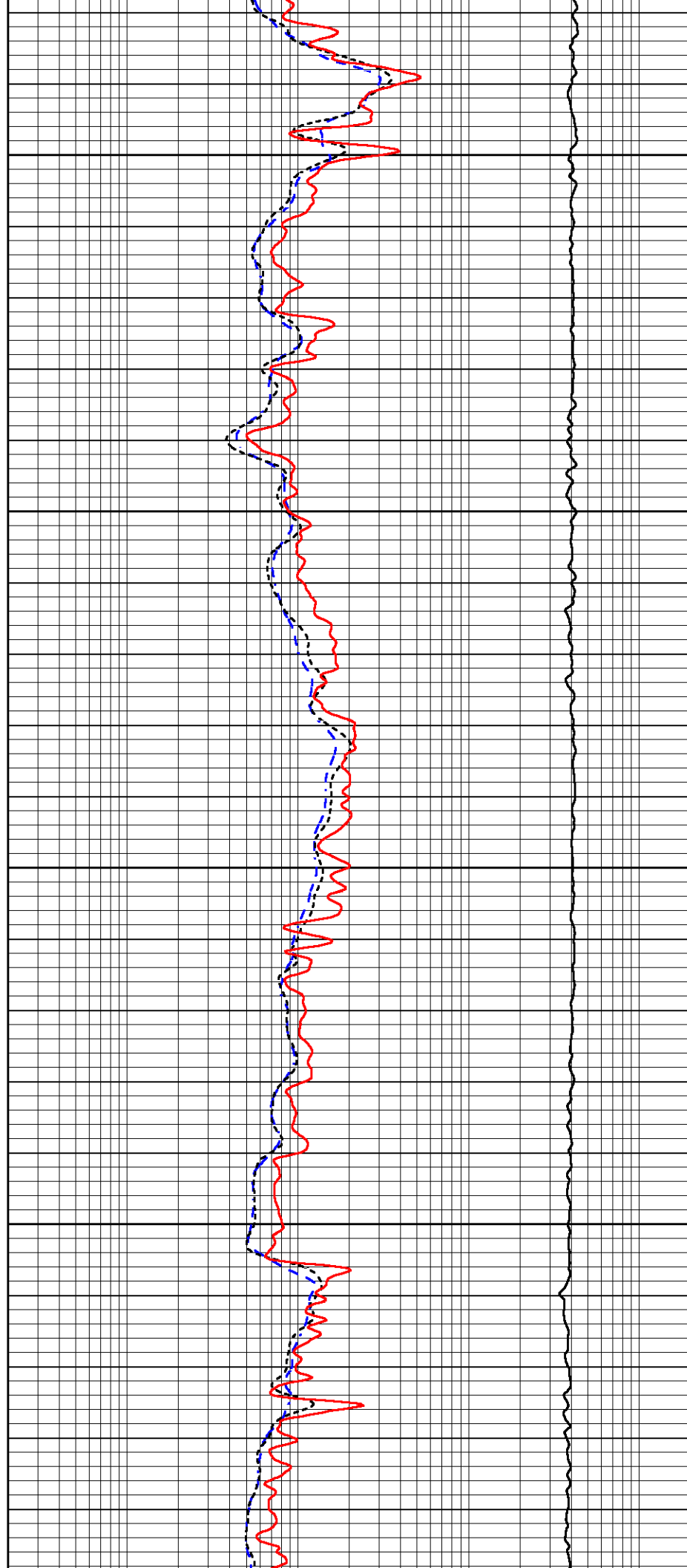


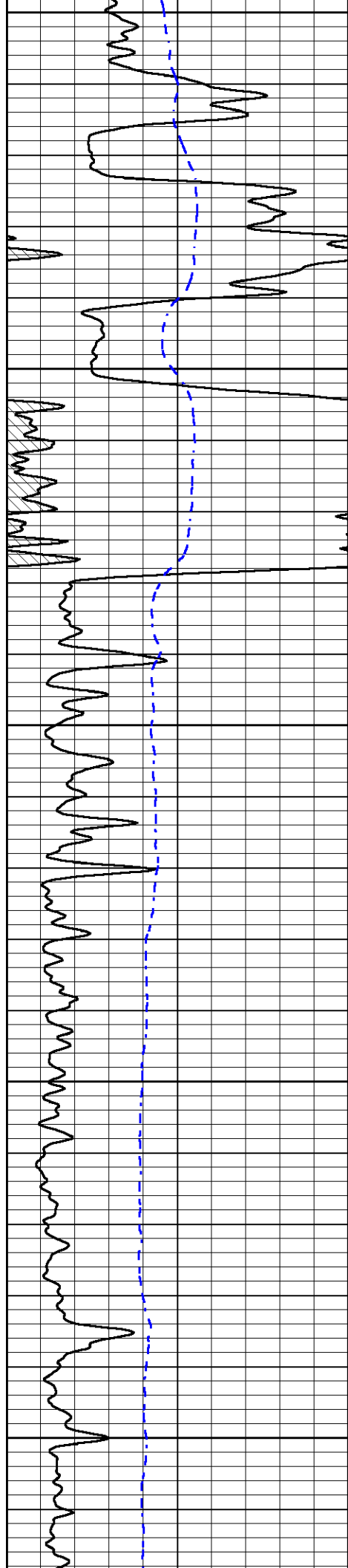
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3950

4000

4050





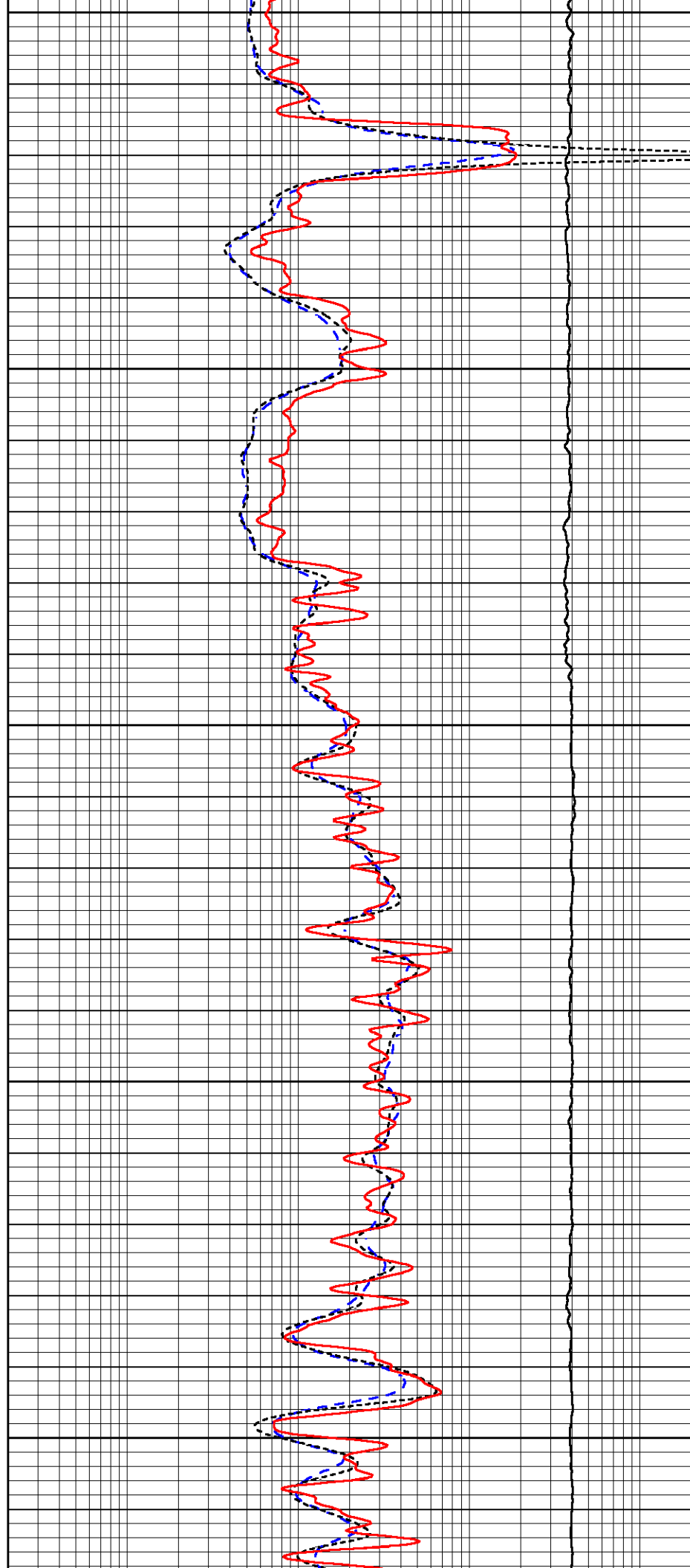
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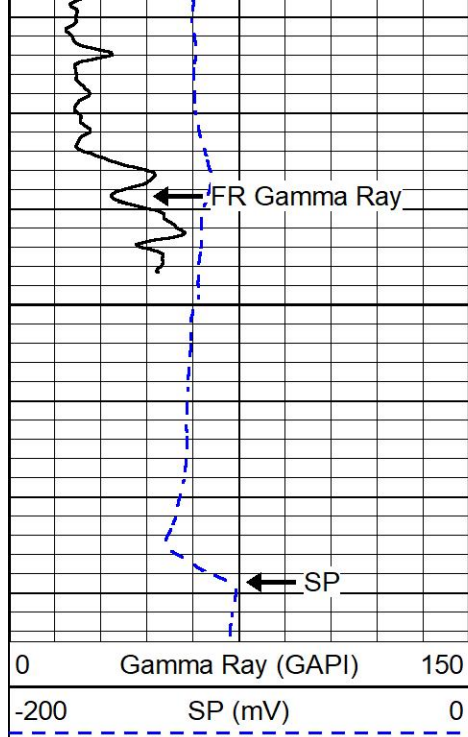
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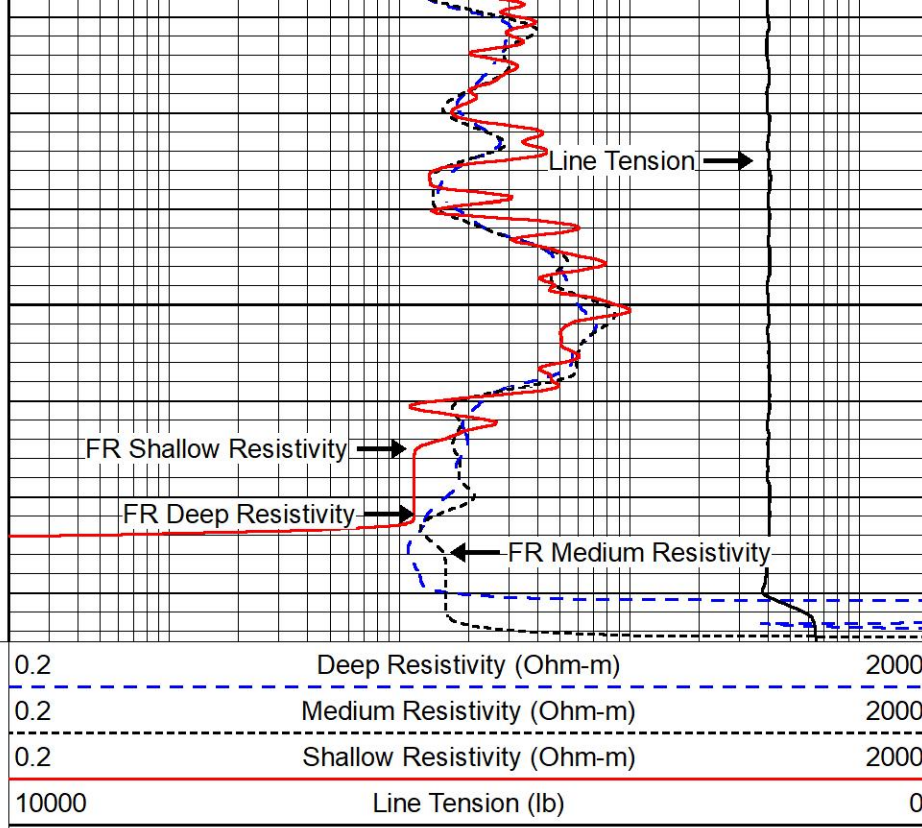
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4300





4350

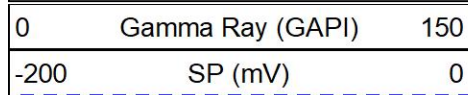


MIDWEST WIRELINE

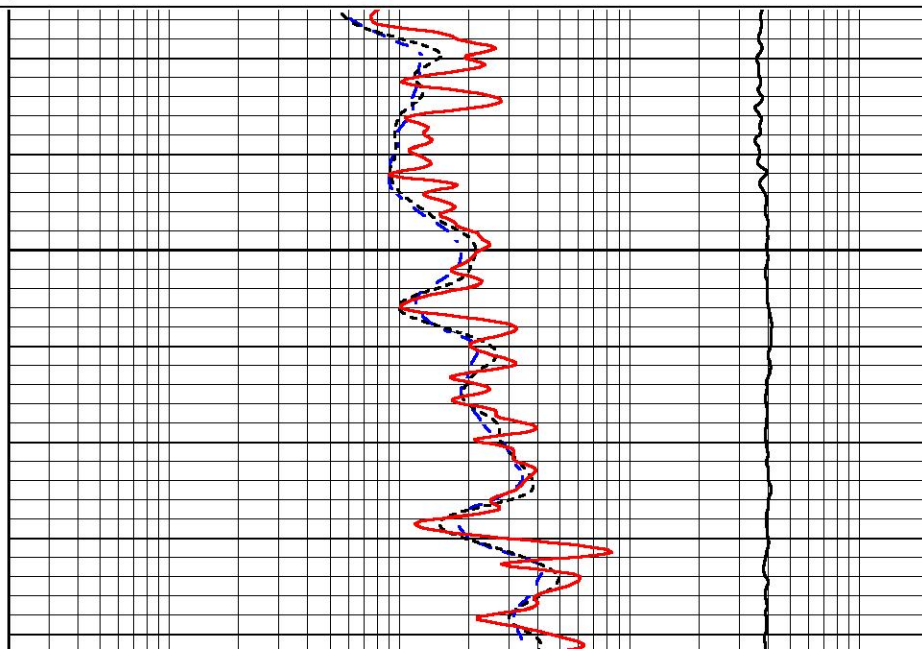
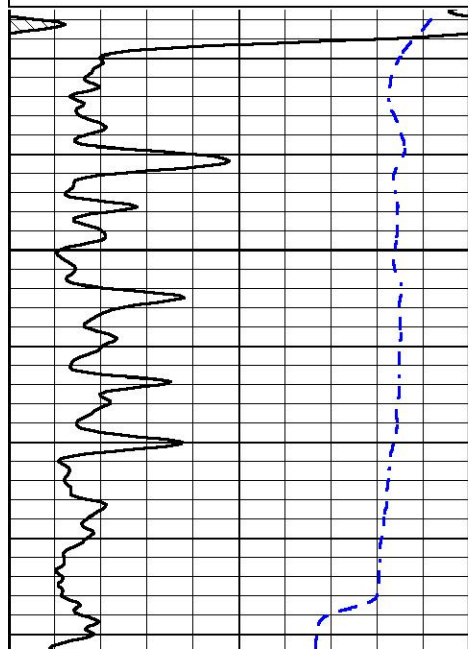
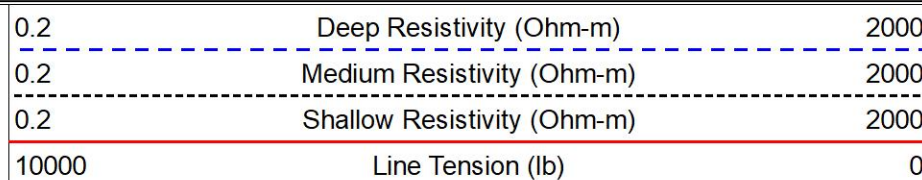
REPEAT SECTION

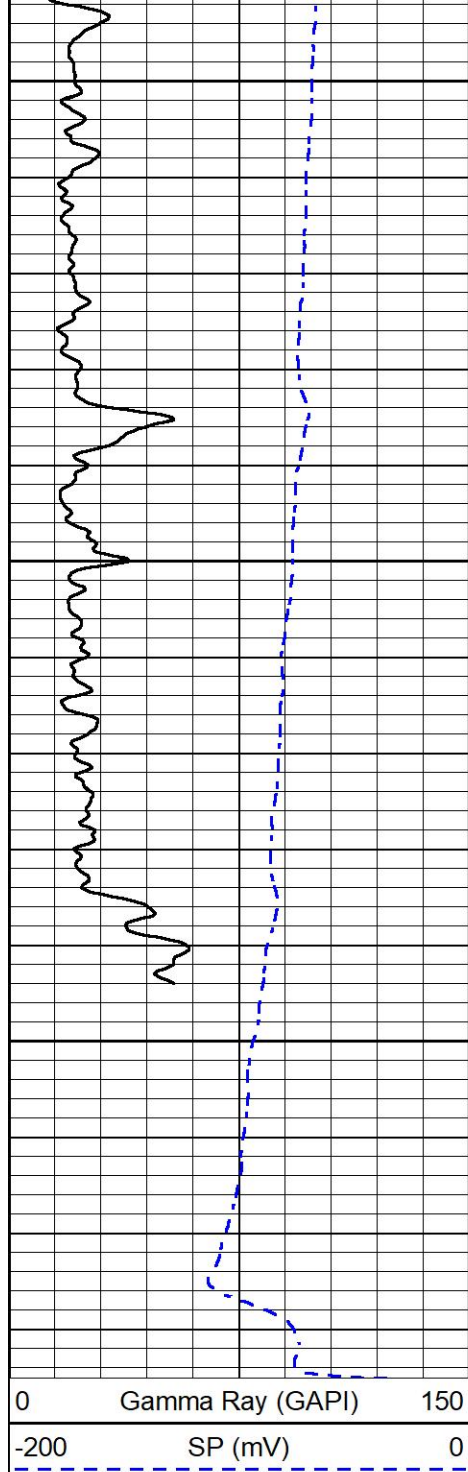
REPEAT PASS

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4200

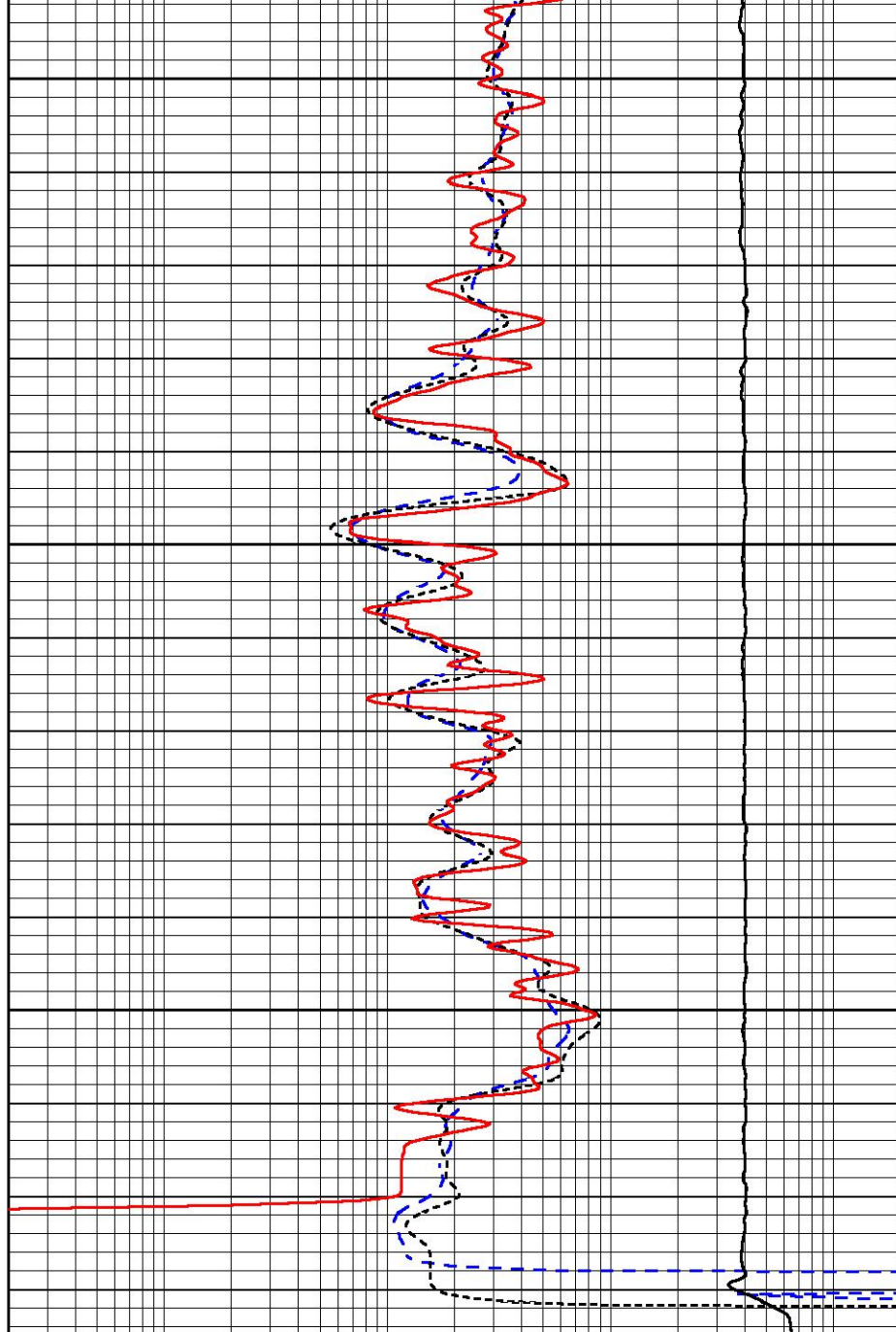




4250

4300

4350



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



MIDWEST WIRELINE

Company Thomas Garner, Inc.
 Well Jennifer #1
 Field Rattlesnake SouthEast
 County Stafford
 State Kansas