

DUAL INDUCTION LOG

MIDWEST WIRELINE

Company Arcadian Resources, LLC		Company Arcadian Resources, LLC	
Well Malone #1-22		Well Malone #1-22	
Field		Field	
County Rawlins		County Rawlins	
State Kansas		State Kansas	
Location: API #: 15-153-21274-00-00		Other Services	
SEC 22 TWP 5S RGE 32W		C/NL/CDL MEL	
Permanent Datum	Ground Level	Elevation	3010
Log Measured From	Kelly Bushing	K.B.	3015
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	3010
Date	12/1/2021		
Run Number	One		
Depth Driller	4600		
Depth Logger	4600		
Bottom Logged Interval	4599		
Top Log Interval	200		
Casing Driller	8.625 @ 234		
Casing Logger	232		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	500		
Density / Viscosity	9.4 50		
pH / Fluid Loss	9.5 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.75 @ 80		
Rmt @ Meas. Temp	0.56 @ 80		
Rmc @ Meas. Temp	1.01 @ 80		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.49 @ 122		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	122		
Equipment Number	P-24		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Sean Deenihan		

<<< Fold Here >>>

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.

Gem,

North on Rd 439 to curve, continue North on Rd 441,
North to C Rd, 1 East, 1 North,
West and South to location

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: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Sean Deenihan
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)				
GR	40.33			GR-M&W (233-M&W)	3.00	3.50	50.00				
CNLSC CNSSC	37.23 36.48			CNT-M&W (207-MW)	5.00	3.50	100.00				
LSD DCAL SSD	28.18			CDL-M&W (934-226)	8.50	4.00	250.00				
	28.17		ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00					
	27.68										
MCAL MI MN	19.58 19.58 19.58			DIL-PSI HIGH TEMP (952-828)	18.25	3.50	220.00				
RLL3F RLL3	15.50 15.50										
CILD	8.33										
CILM	4.50										
SP	0.20										
Dataset: arcadian_malone 1-22.db: field/well/stkml/pass3.4 Total length: 42.33 ft Total weight: 685.00 lb O.D.: 4.00 in											

Log Variables

DatabaseC:\ProgramData\Warrior\Data\arcadian_malone 1-22.db
Dataset field/well/stkml/pass3.4/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 122	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 200	degF 70	Off	ft 4600

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

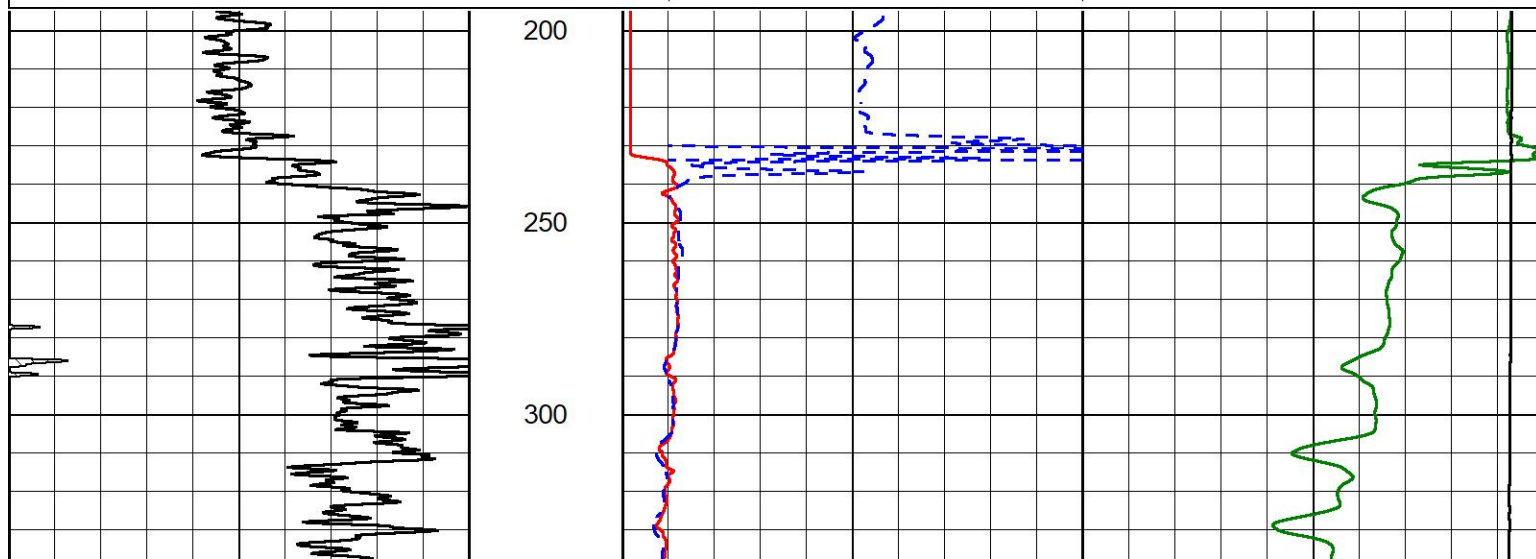


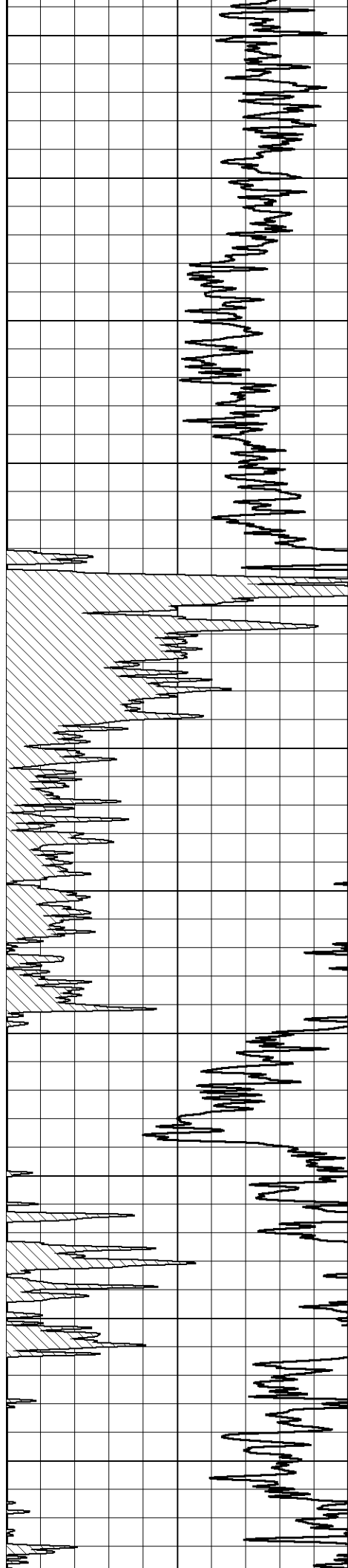
2" SCALE RESISTIVITY

MAIN PASS

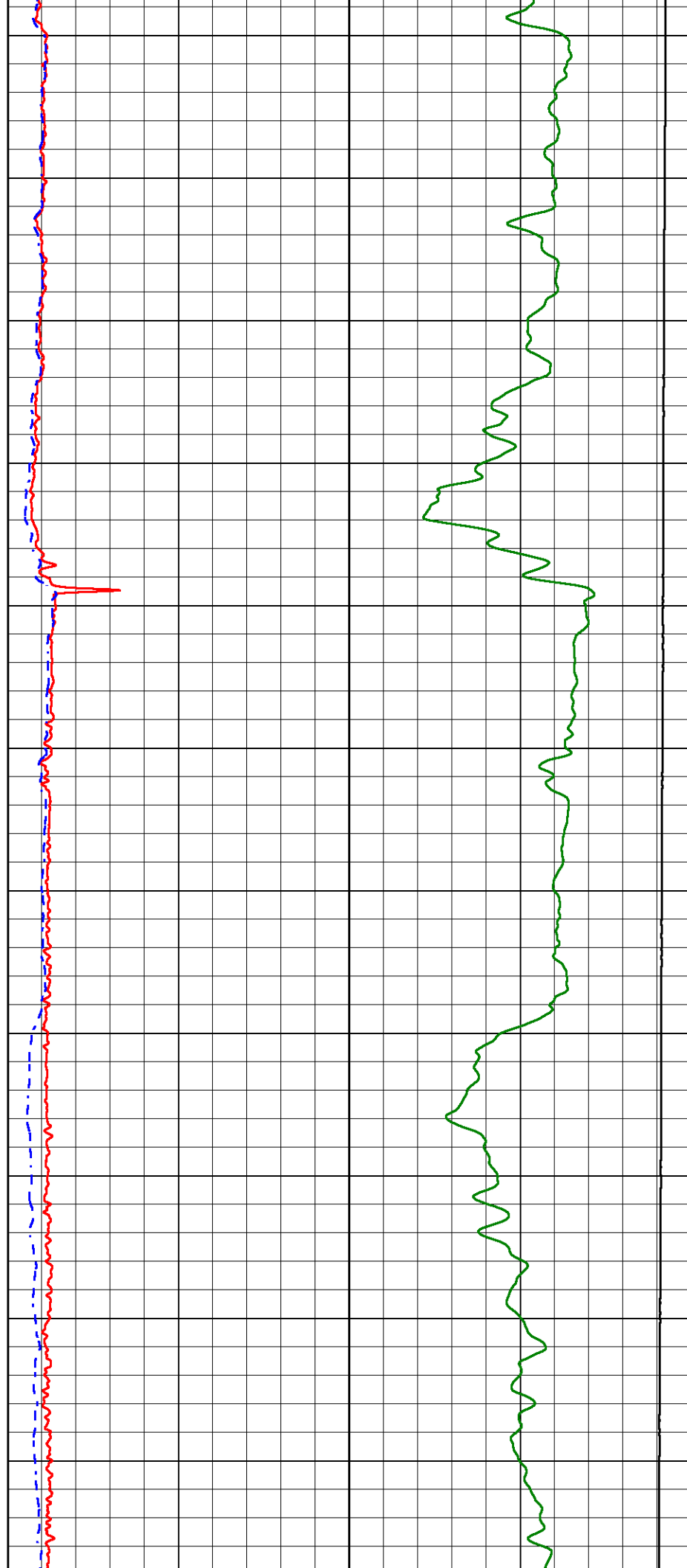
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Presentation Format _dil2in
Dataset Creation Wed Dec 01 17:48:59 2021
Charted by Depth in Feet scaled 1:600

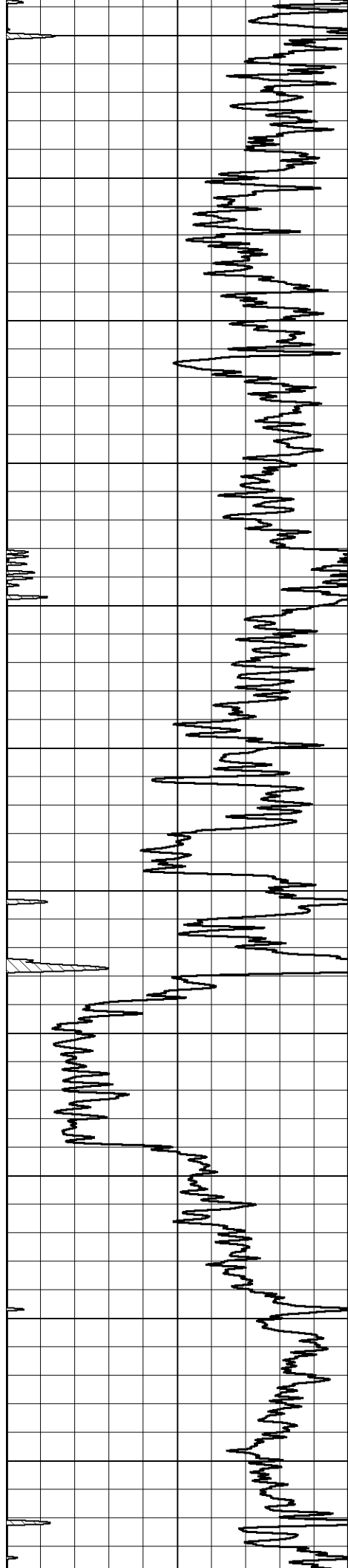
0	Gamma Ray (GAPI)	150	1000	Conductivity (mmho/m)	0
			15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
				Shallow Resistivity	
			50	(Ohm-m)	200
			50	Deep Resistivity (Ohm-m)	200



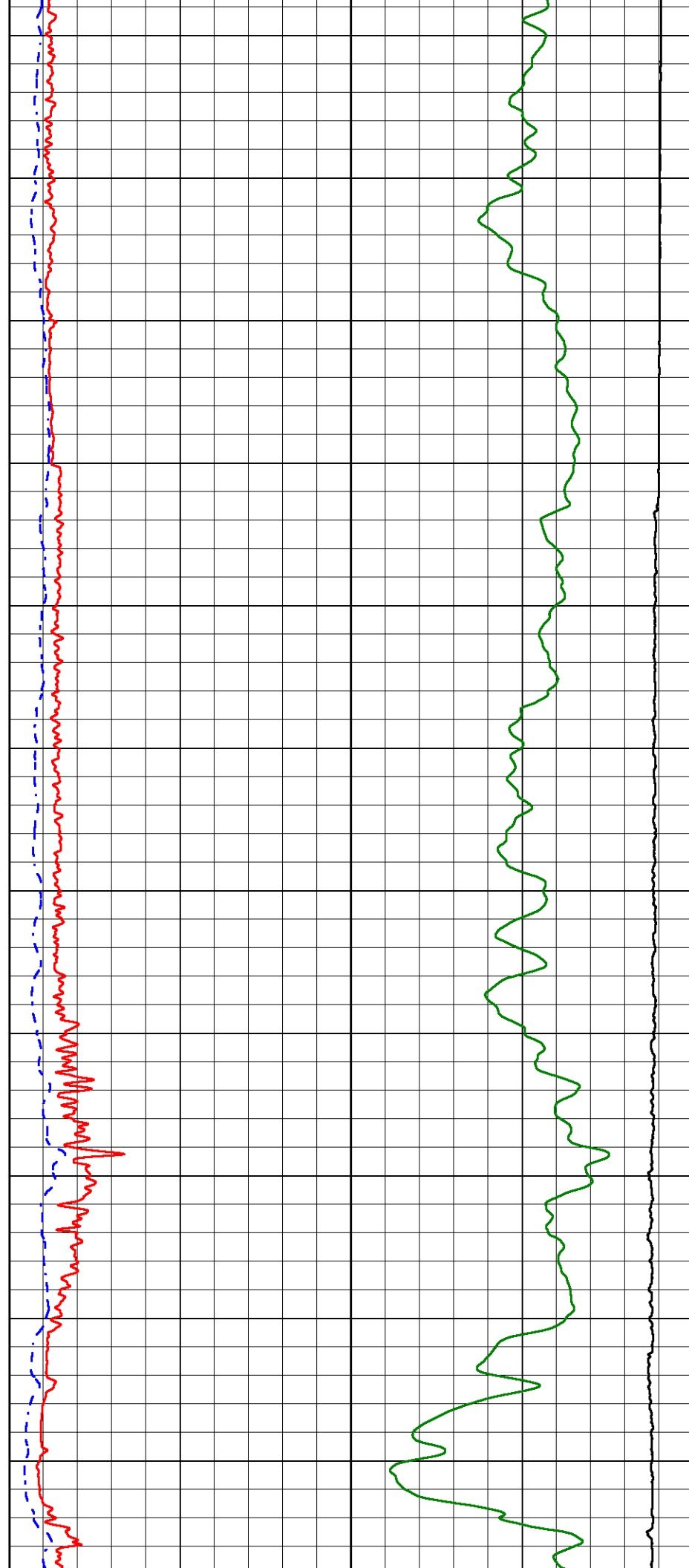


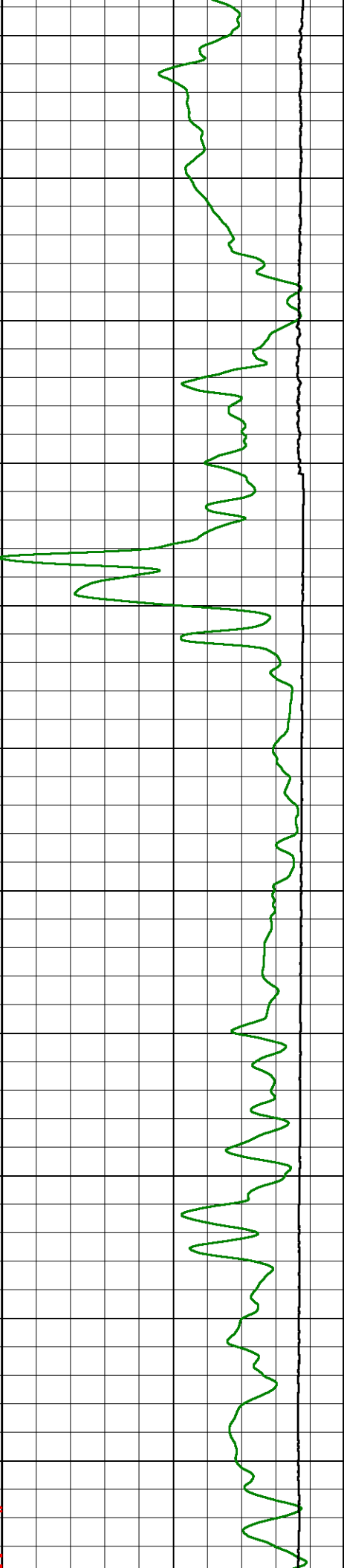
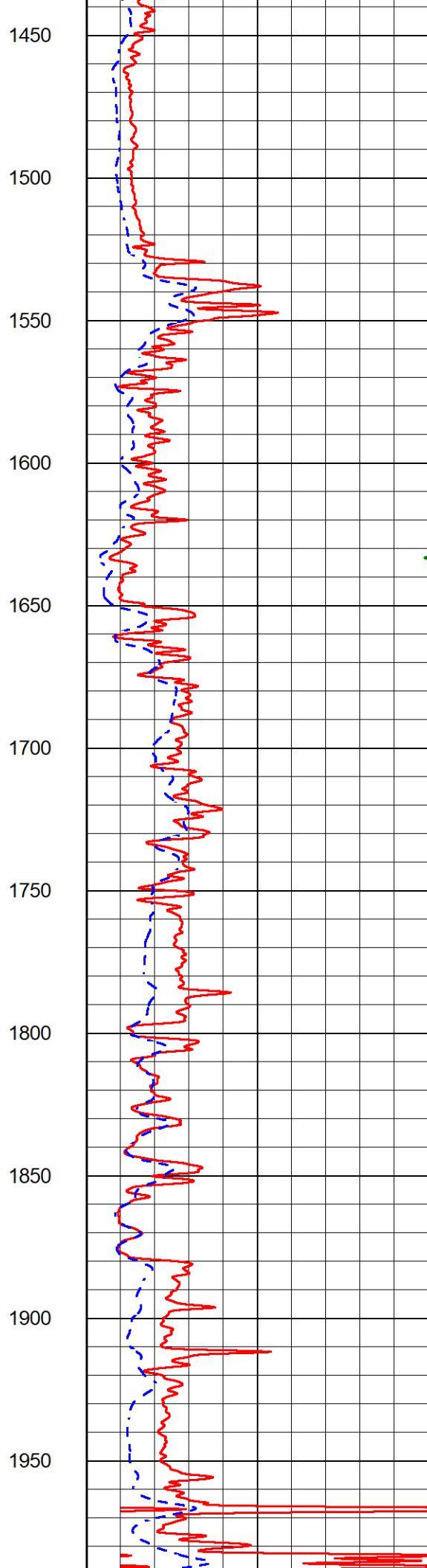
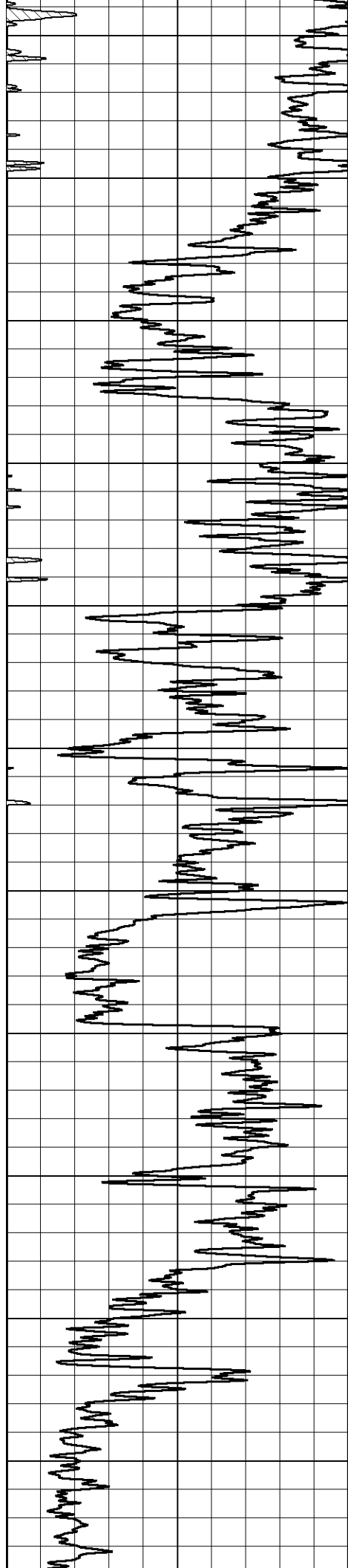
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400
450
500
550
600
650
700
750
800
850

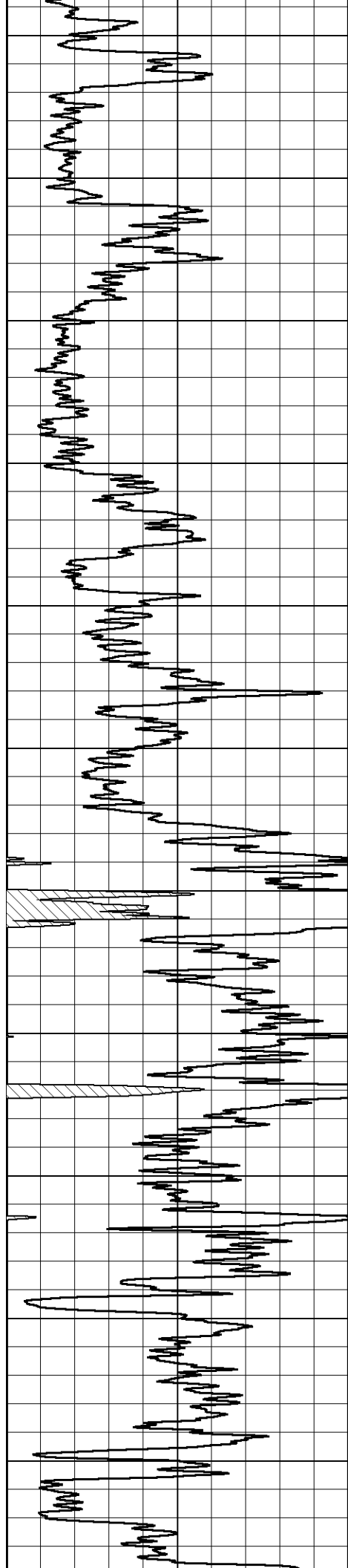




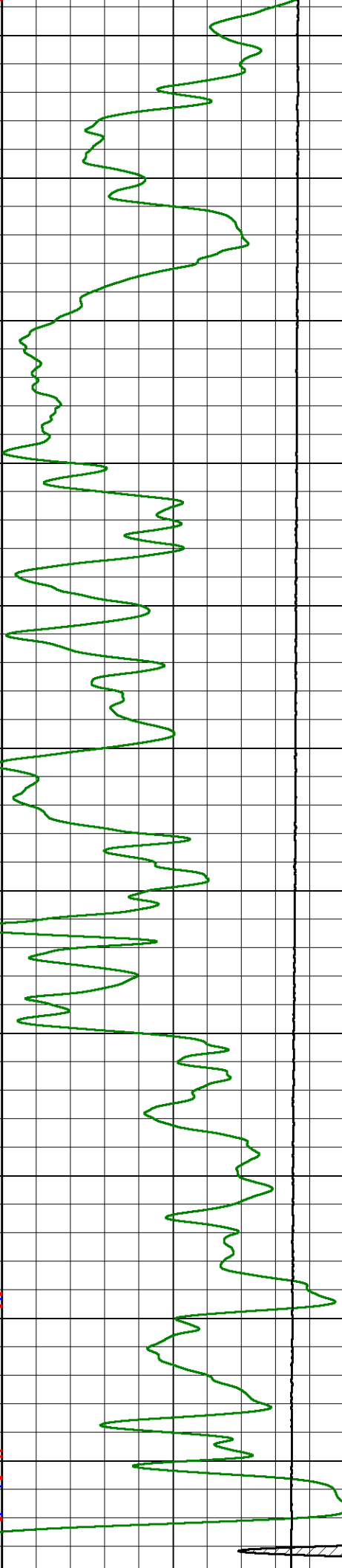
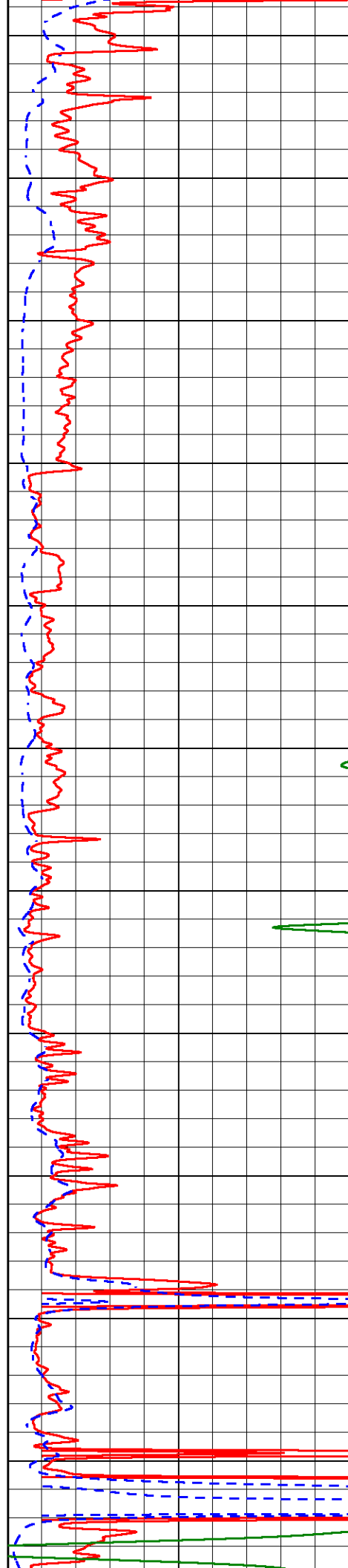
900
950
1000
1050
1100
1150
1200
1250
1300
1350
1400

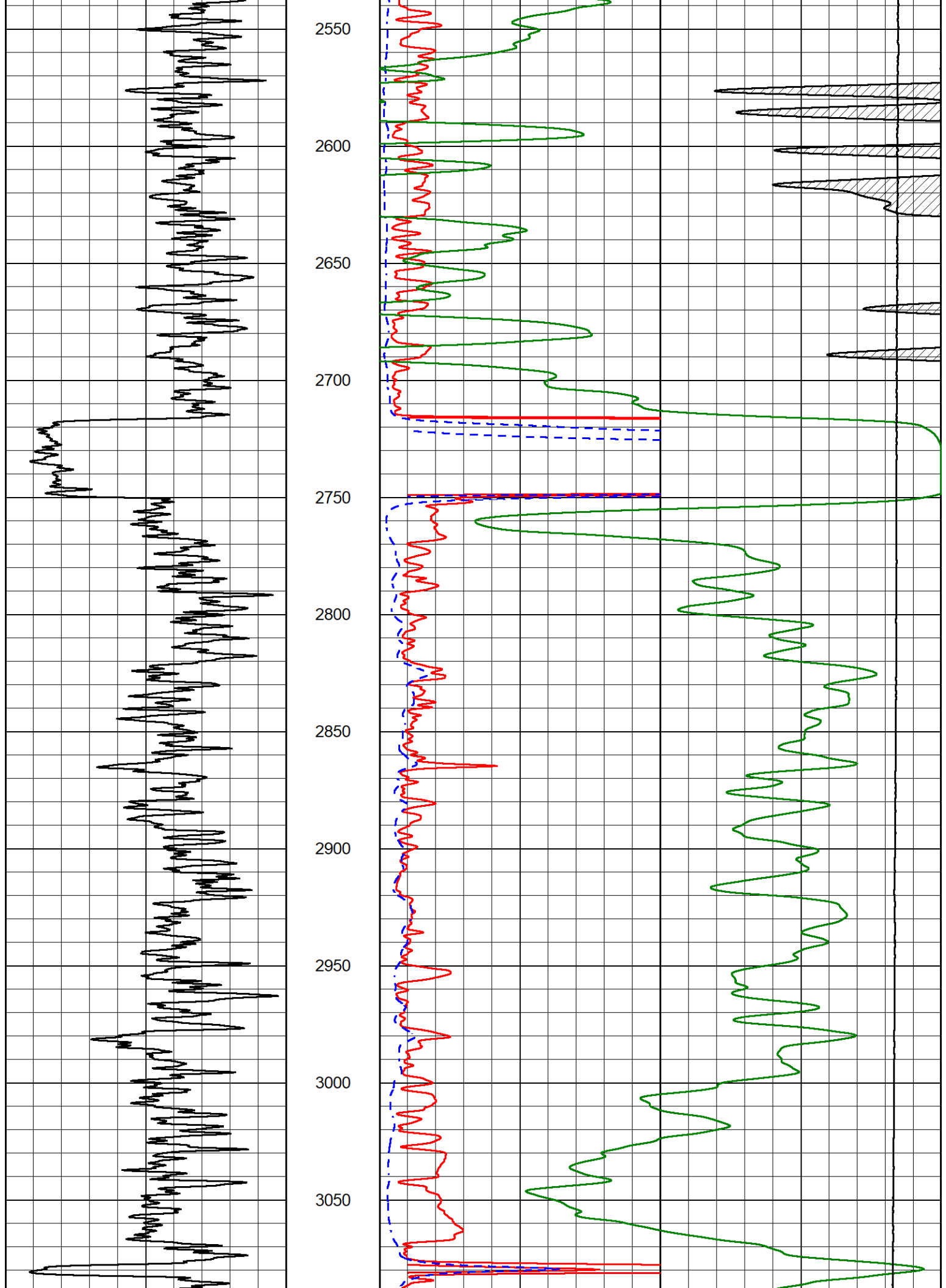


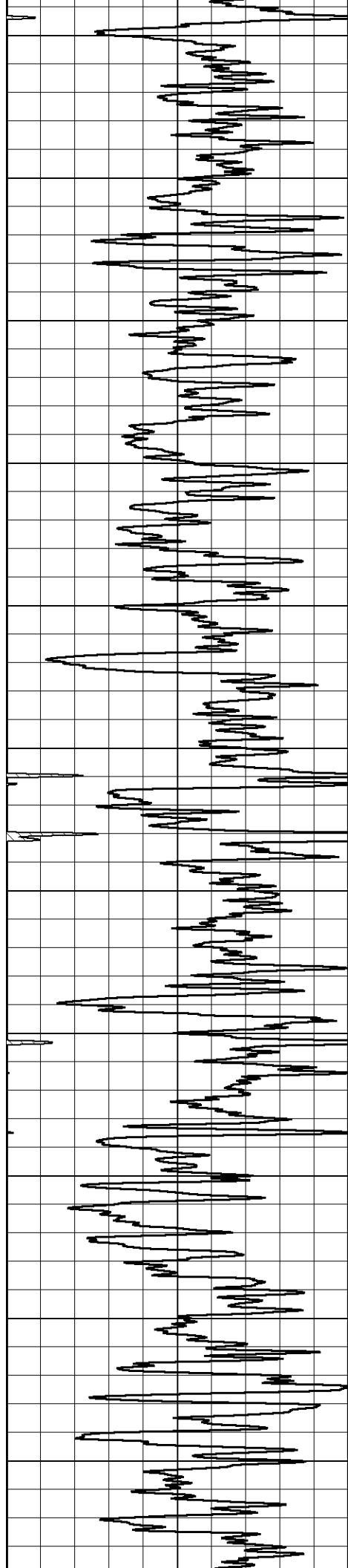




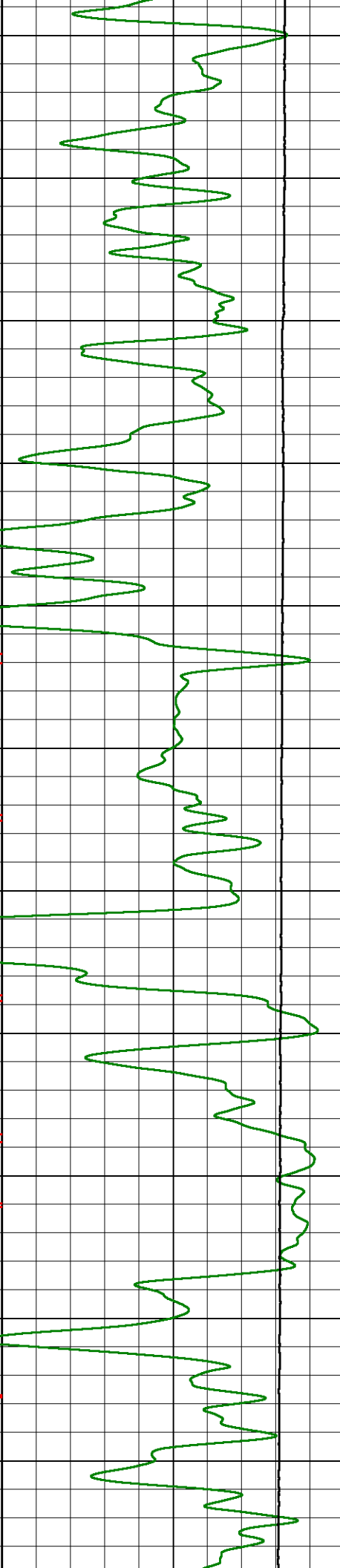
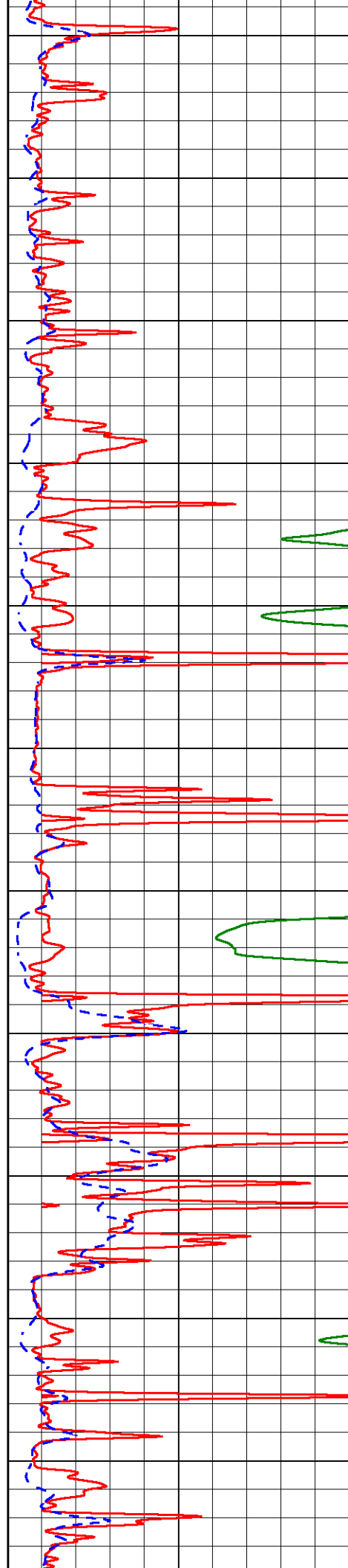
2000
2050
2100
2150
2200
2250
2300
2350
2400
2450
2500

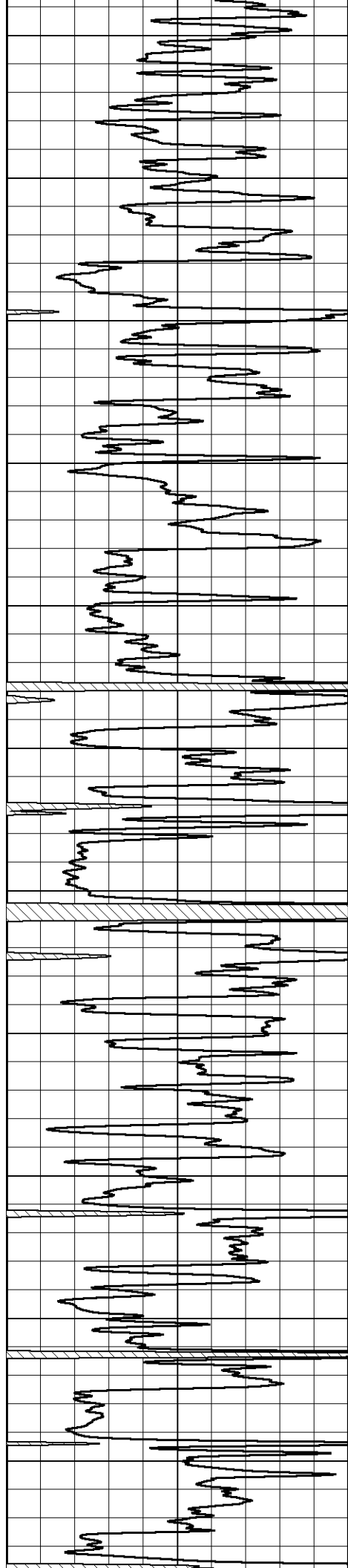






3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600





3650

3700

3750

3800

3850

3900

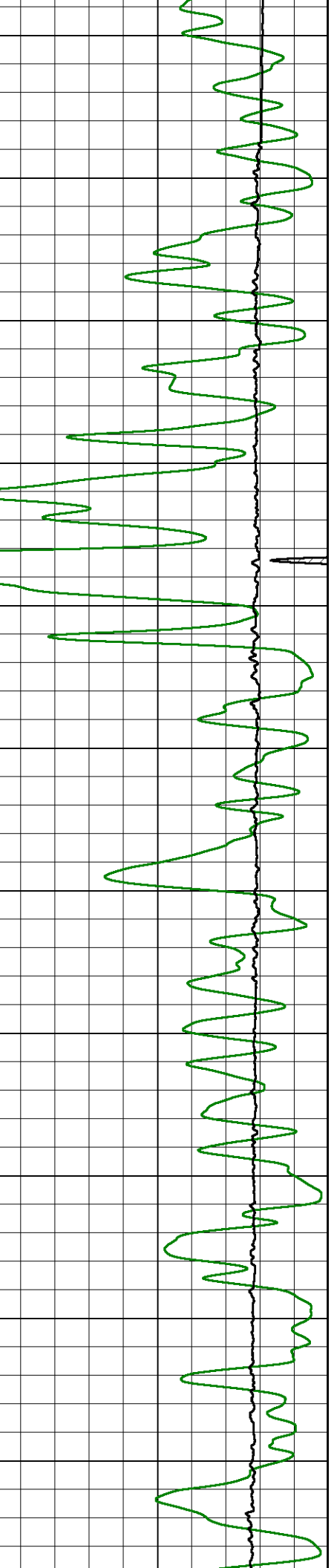
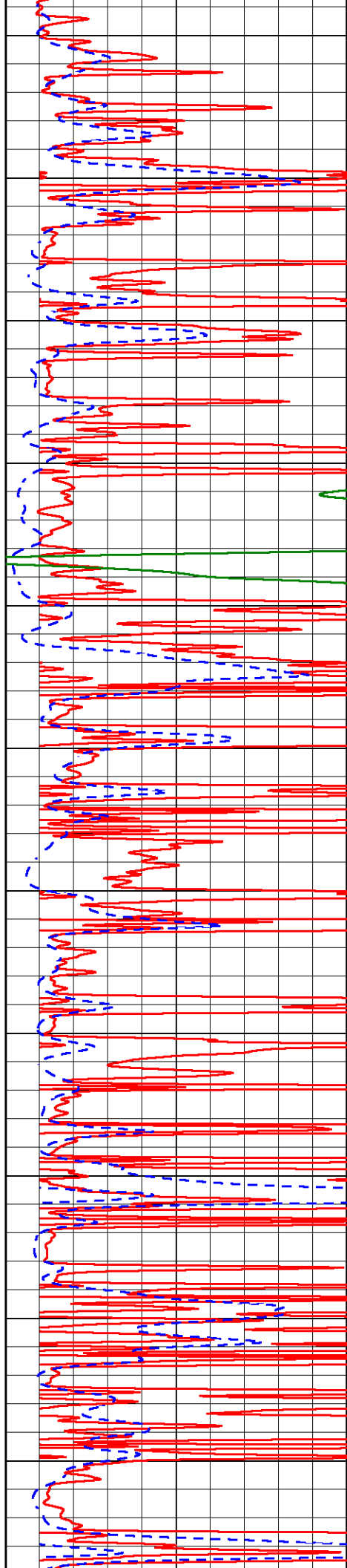
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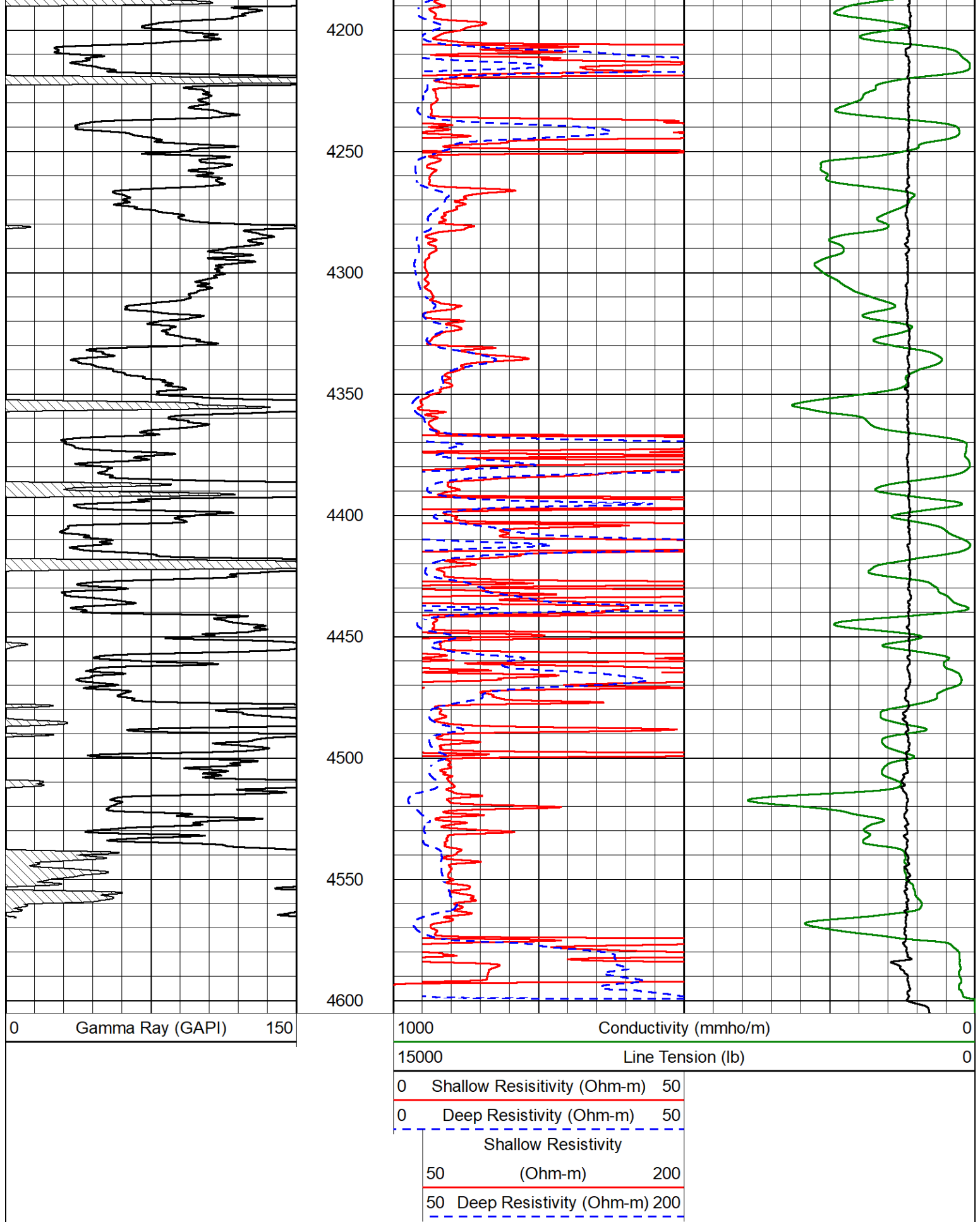
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4050

4100

4150

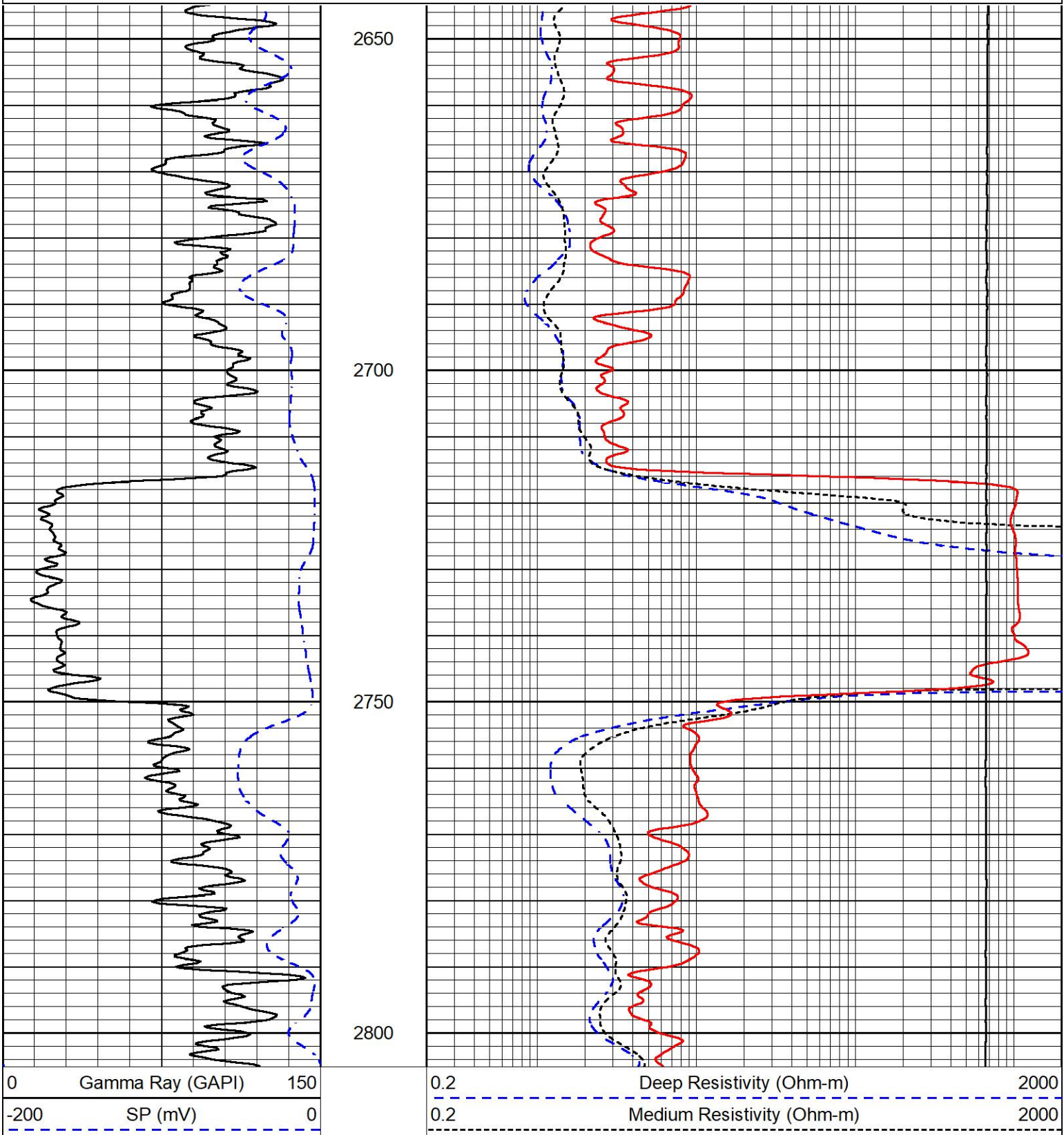




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Presentation Format	_dil
Dataset Creation	Wed Dec 01 17:49:07 2021
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0.2	Deep Resistivity (Ohm-m)	2000
-200	SP (mV)	0	0.2	Medium Resistivity (Ohm-m)	2000
			0.2	Shallow Resistivity (Ohm-m)	2000
			10000	Line Tension (lb)	0



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



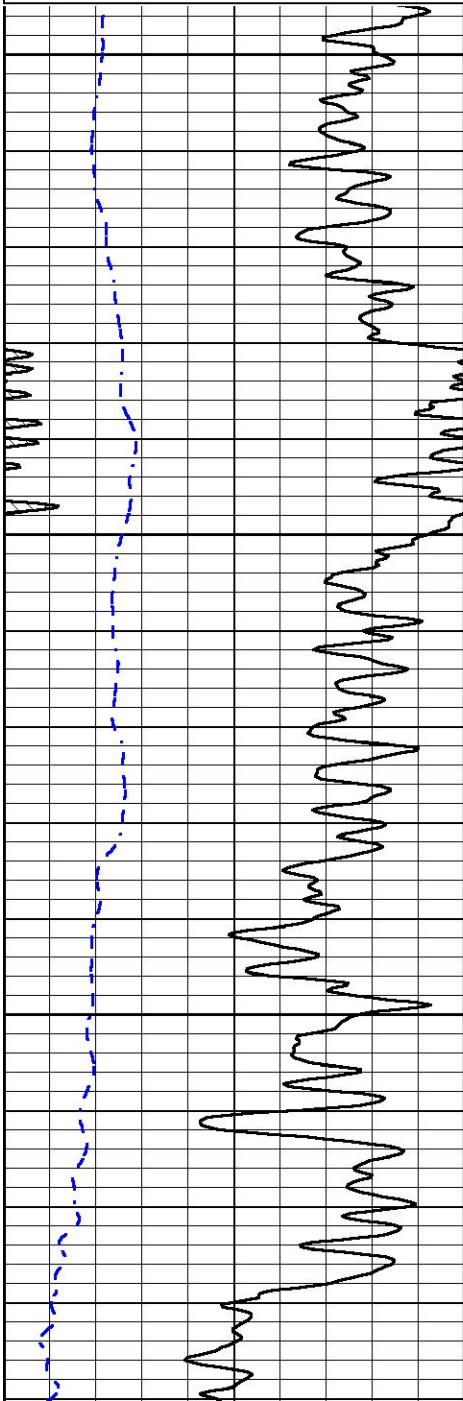
NIOBARRA SECTION

MAIN PASS

Database File arcadian_malone 1-22.db
Dataset Pathname stkml/pass5.1
Presentation Format _dil
Dataset Creation Wed Dec 01 17:48:51 2021
Charted by Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 150
-200 SP (mV) 0

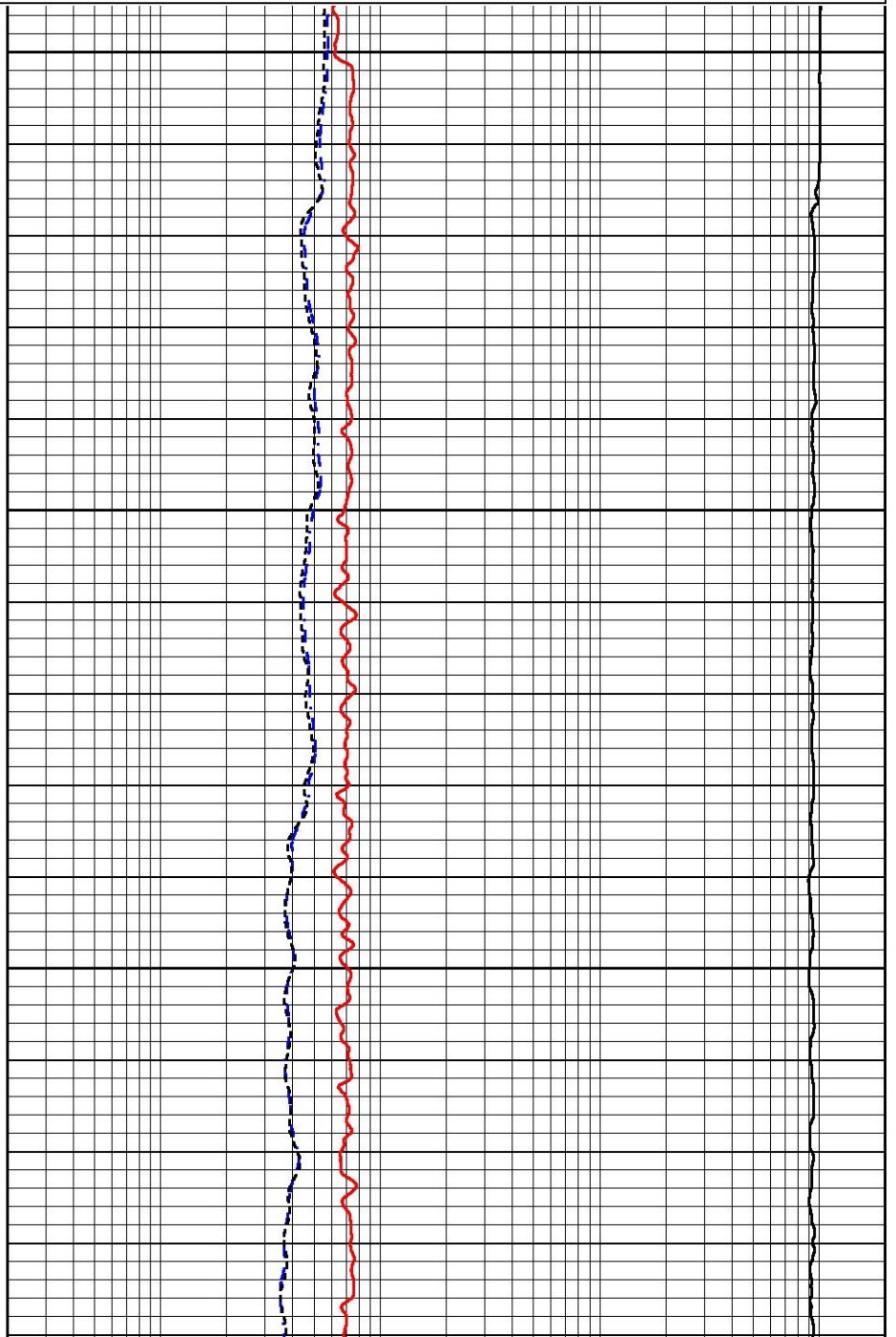
0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000
10000 Line Tension (lb) 0

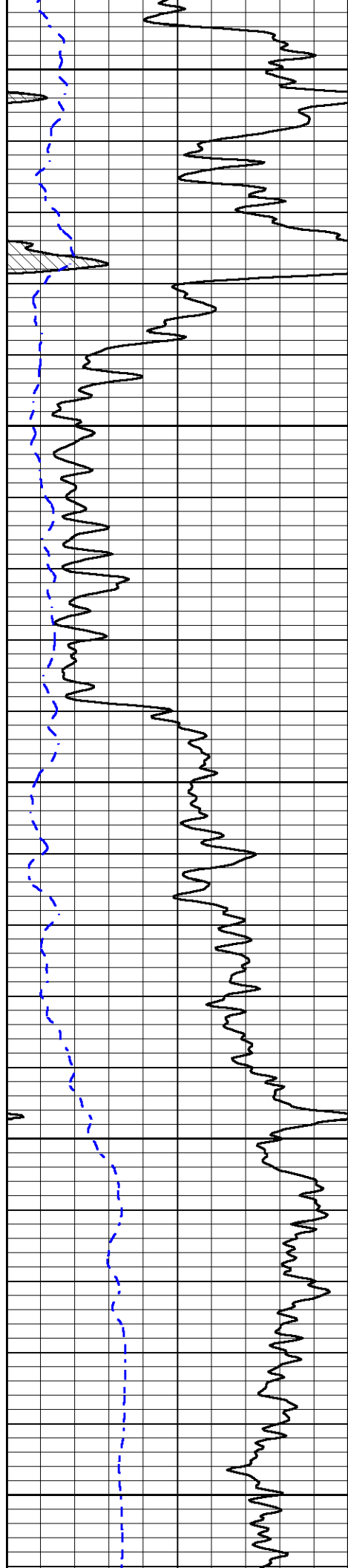


1050

1100

1150





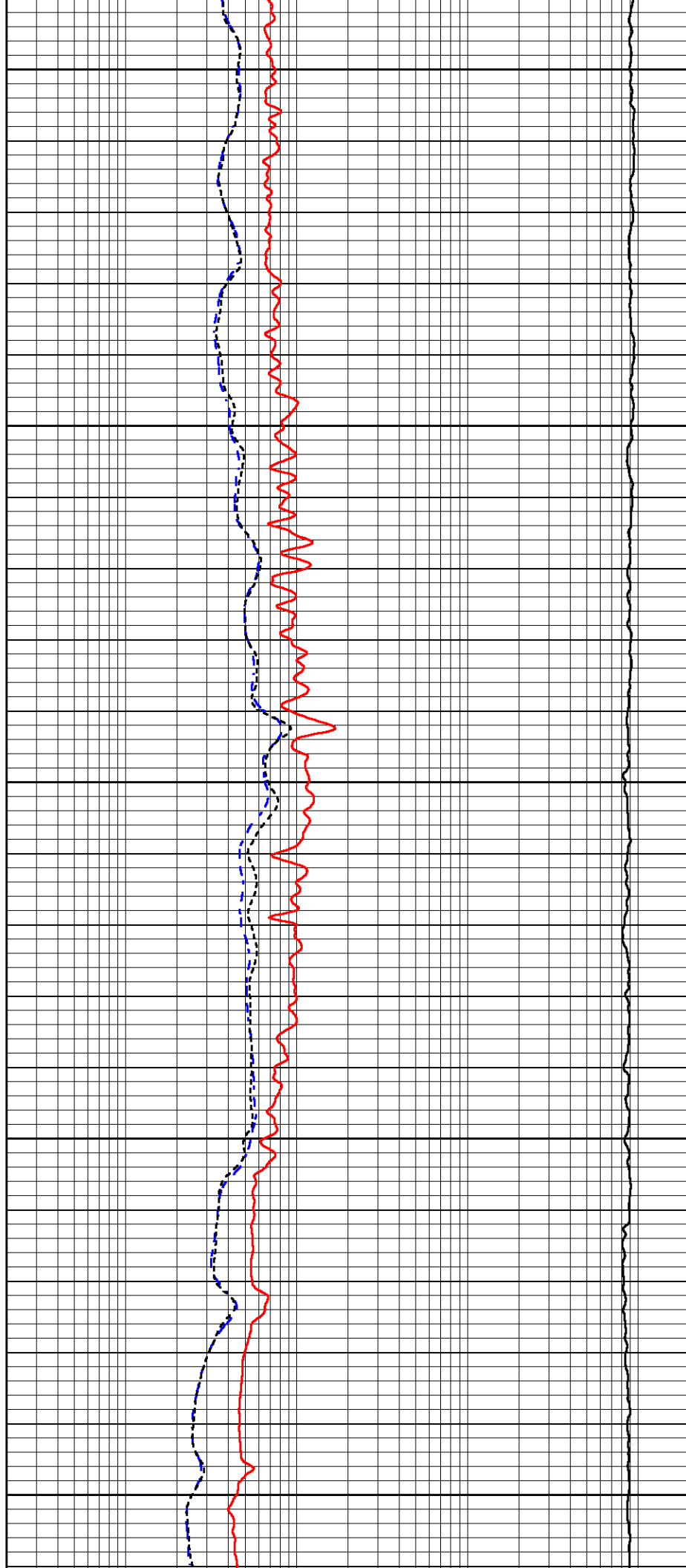
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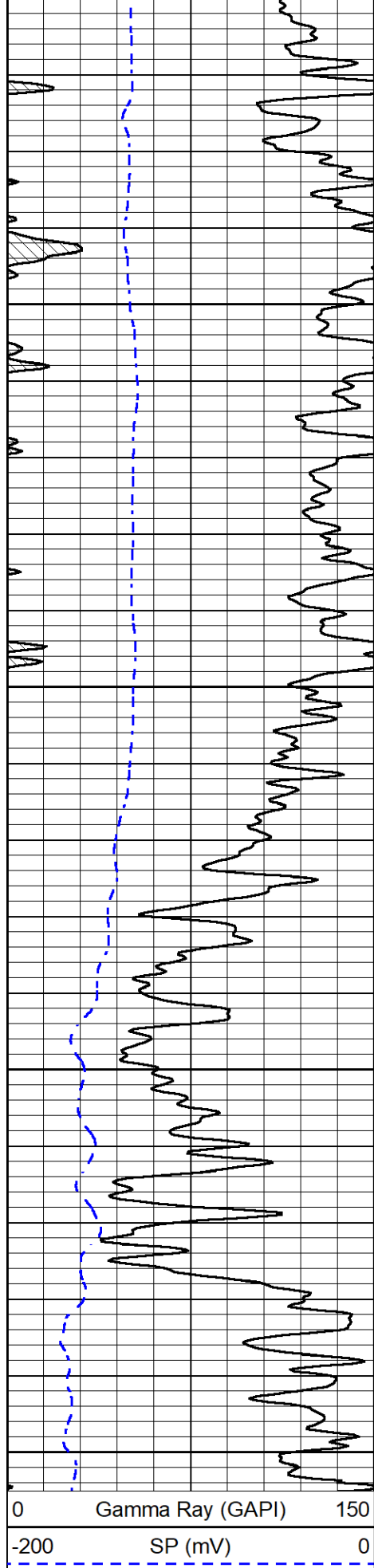
1250

1300

1350

1400



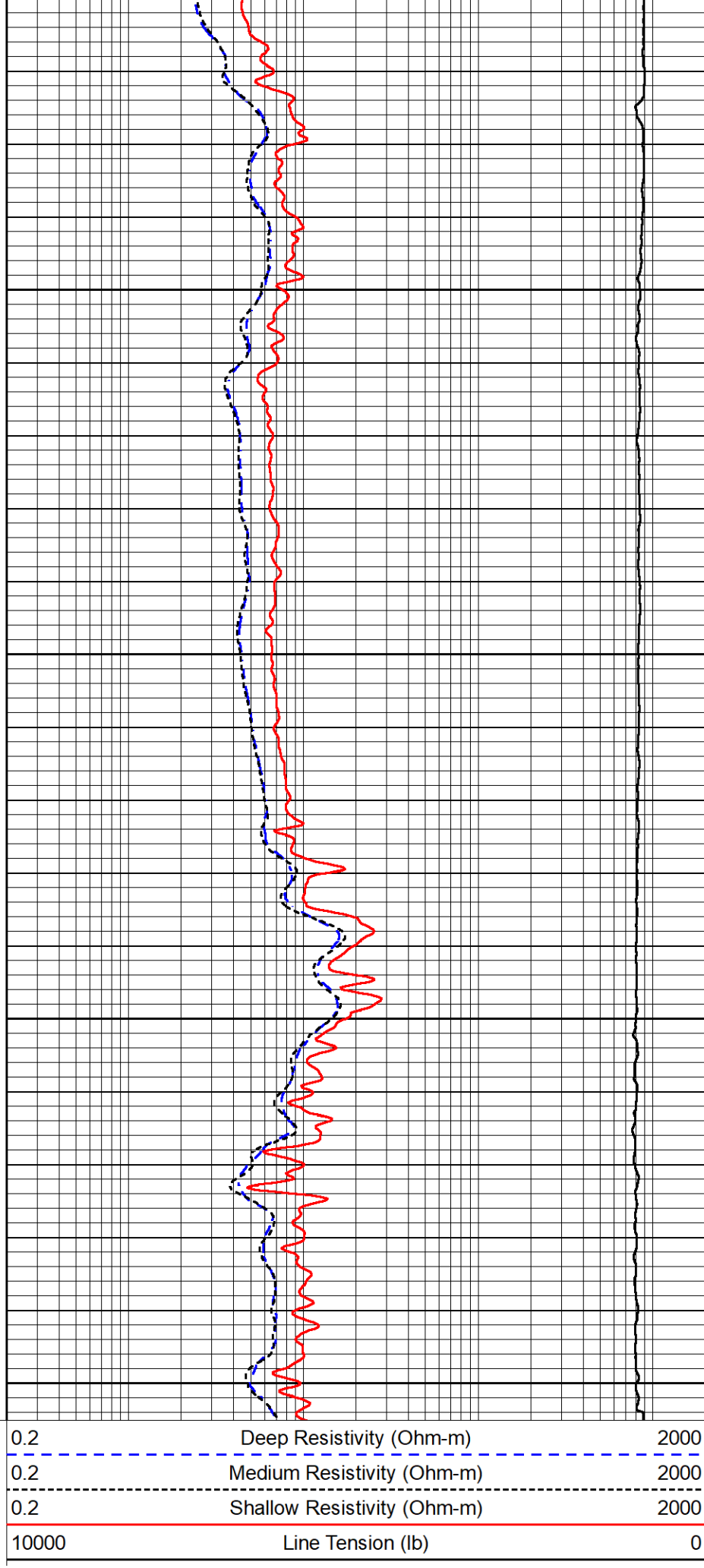


1450

1500

1550

1600





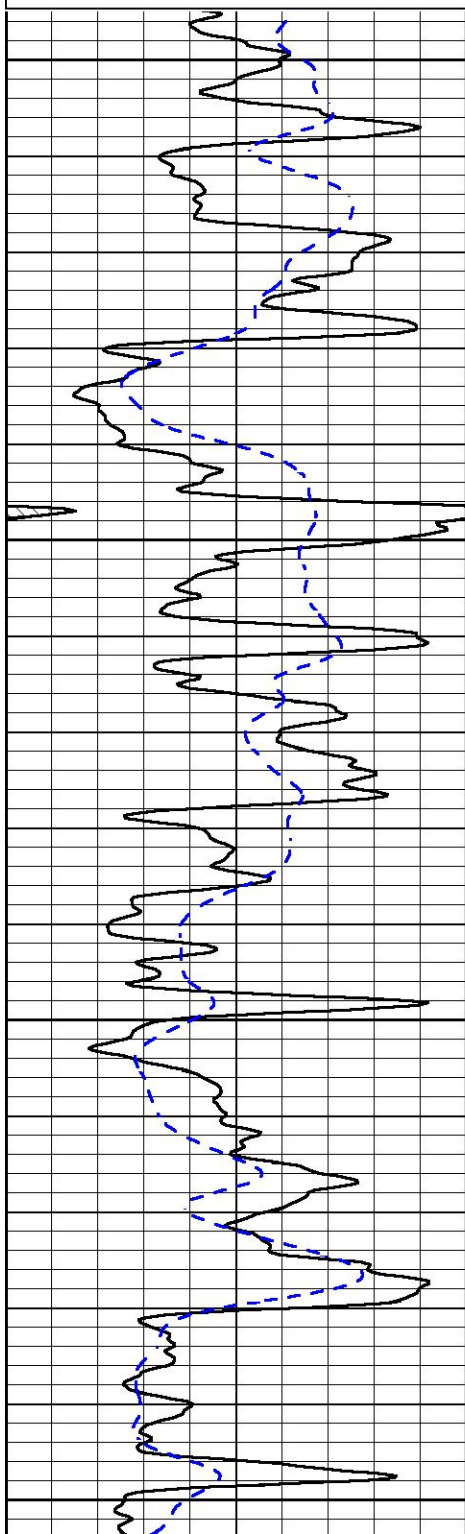
DETAIL SECTION

MAIN PASS

Database File arcadian_malone 1-22.db
Dataset Pathname stkml/pass3.1
Presentation Format _dil
Dataset Creation Wed Dec 01 17:48:22 2021
Charted by Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 150
-200 SP (mV) 0

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

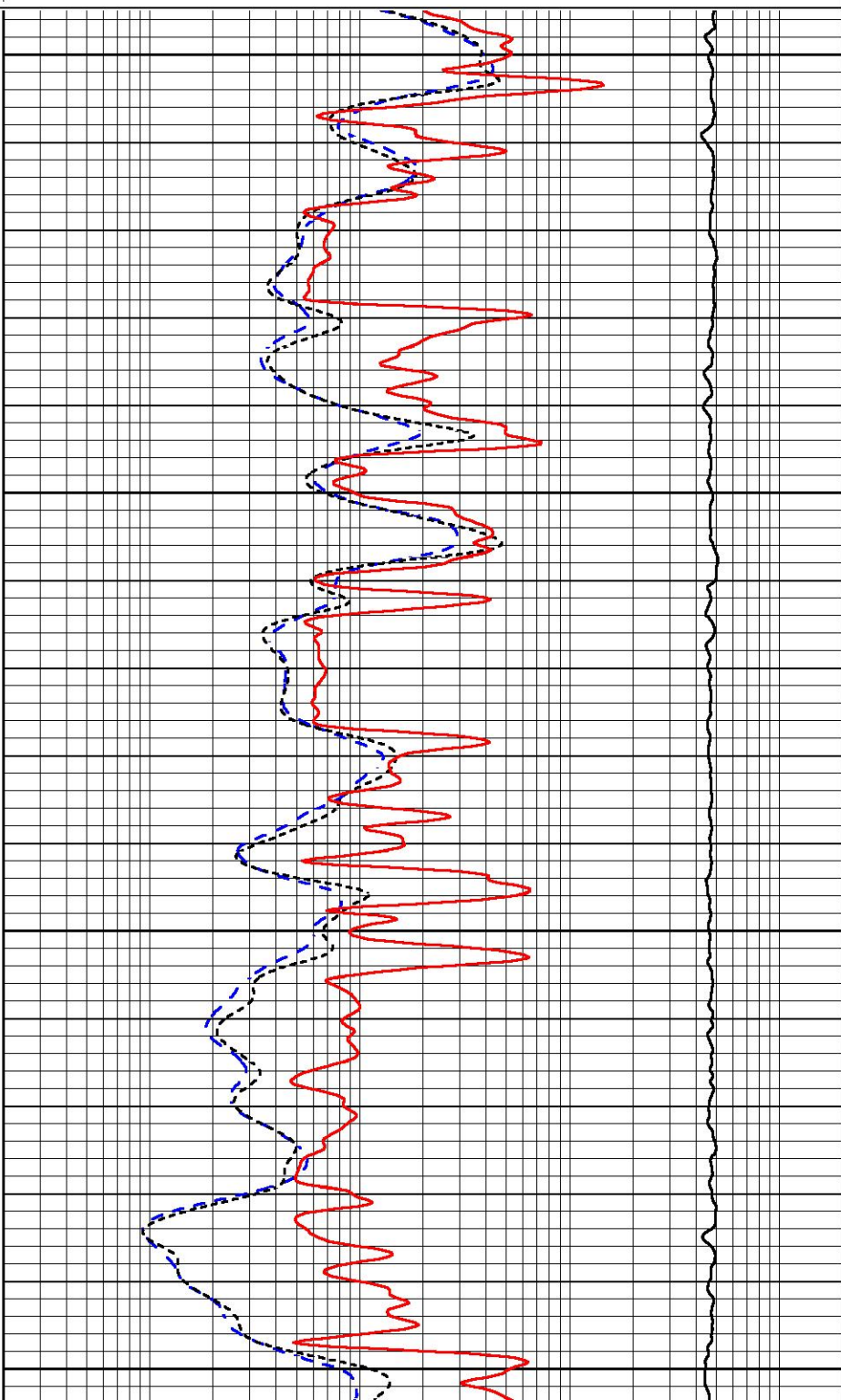


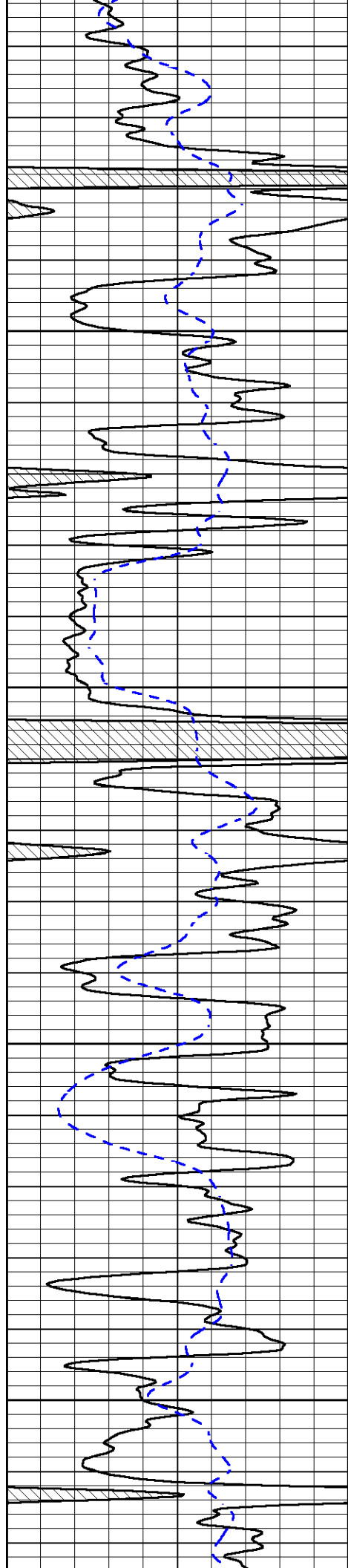
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3750

3800

3850



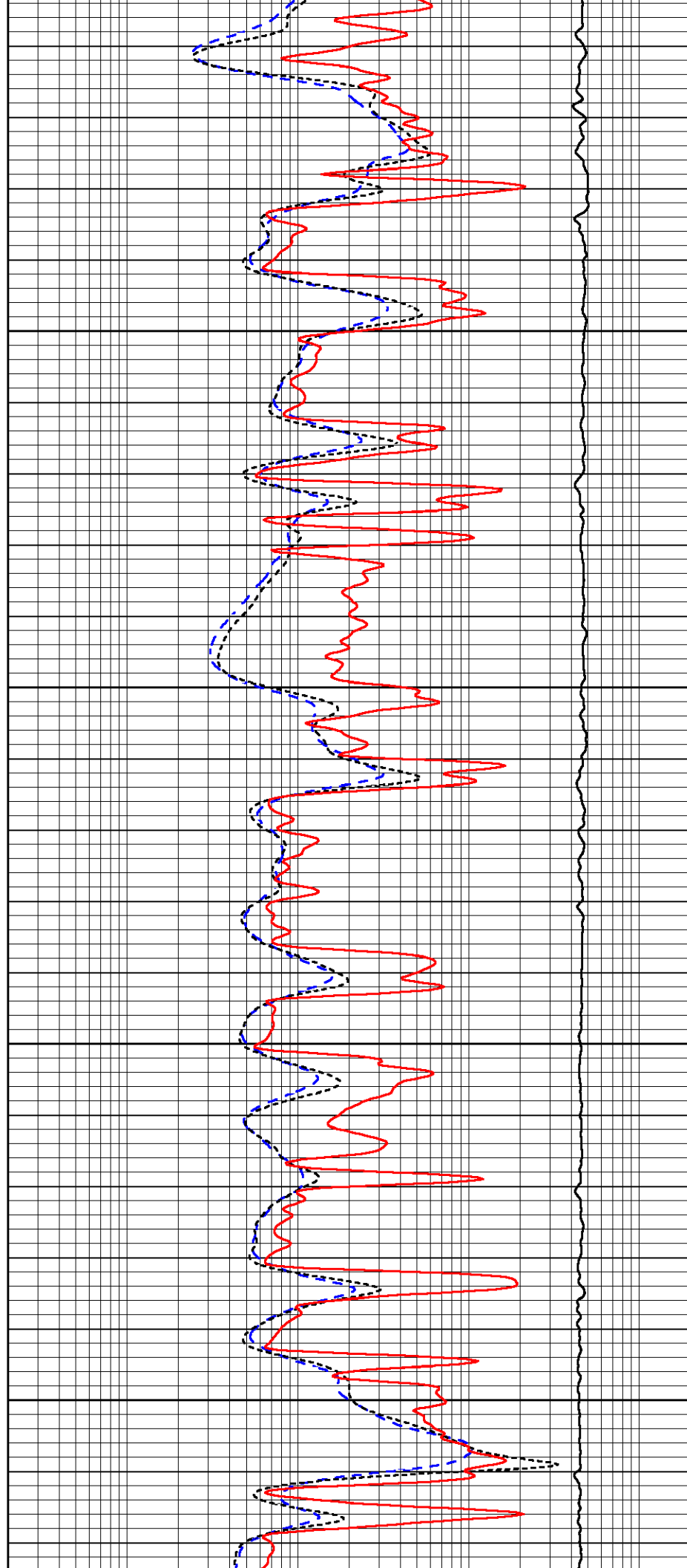


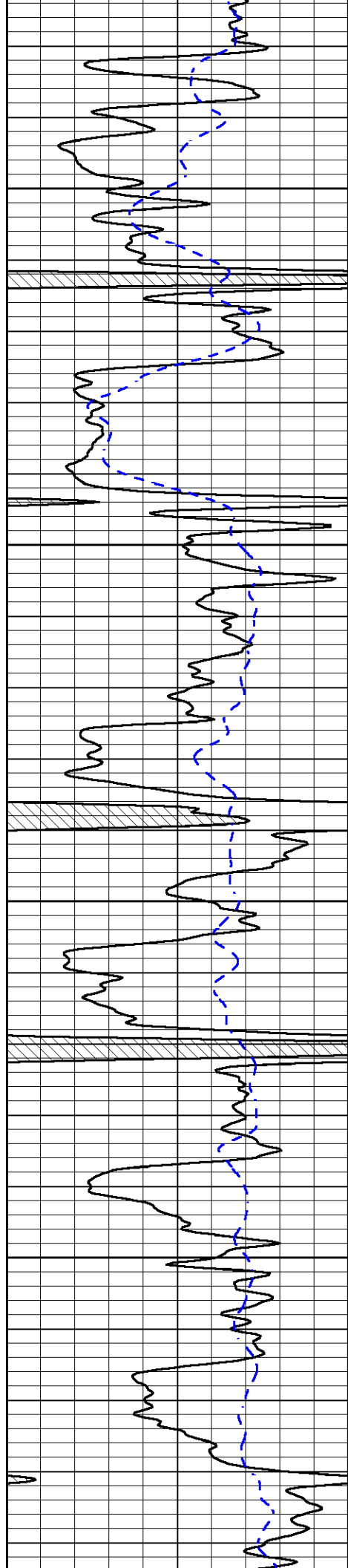
3900

3950

4000

4050



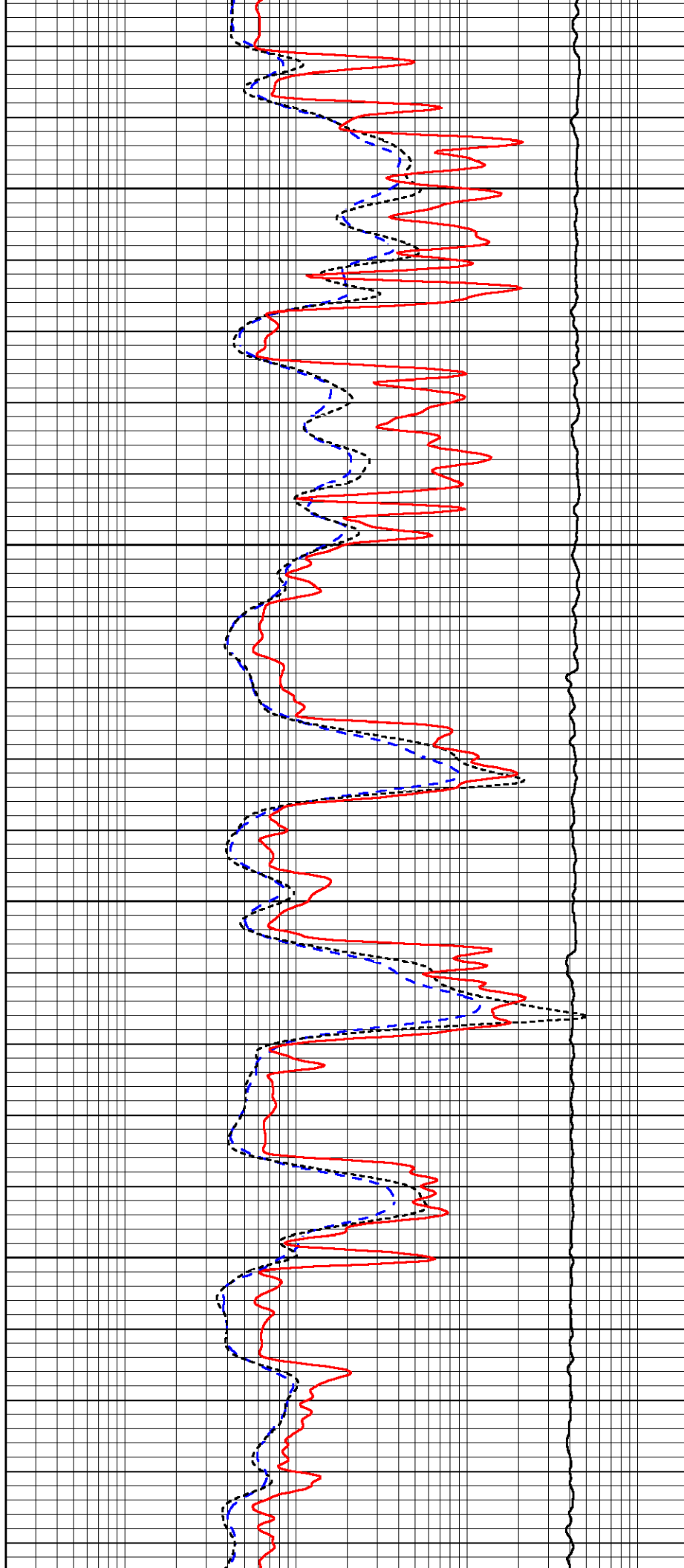


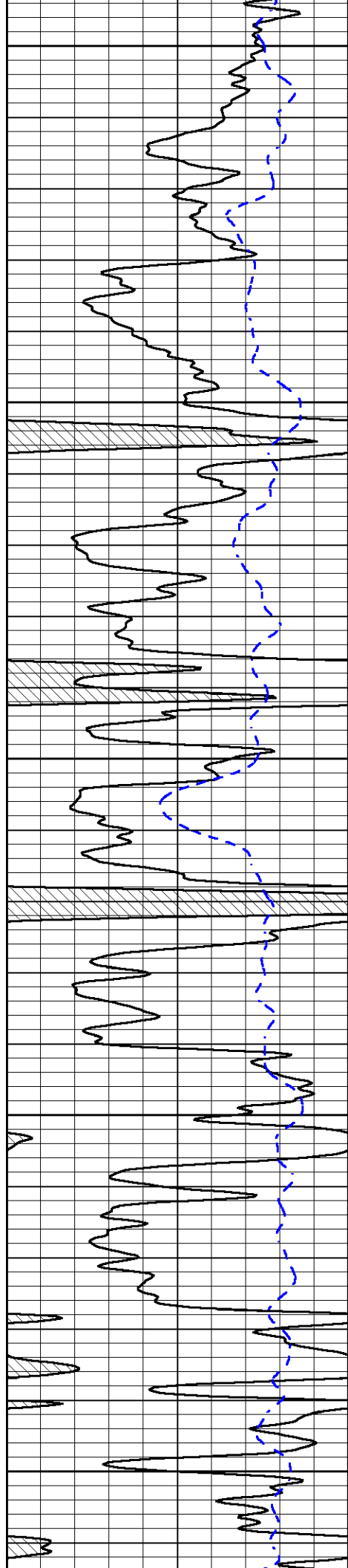
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4150

4200

4250





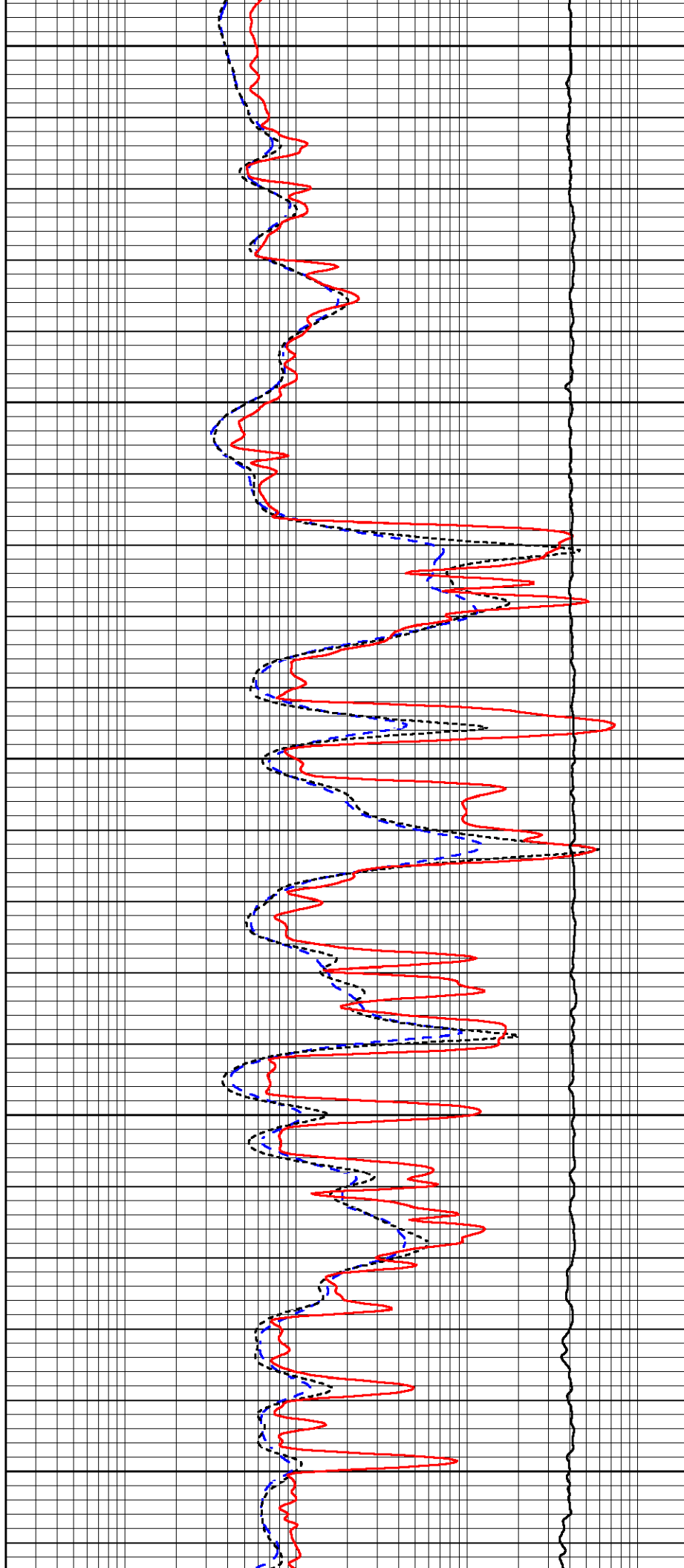
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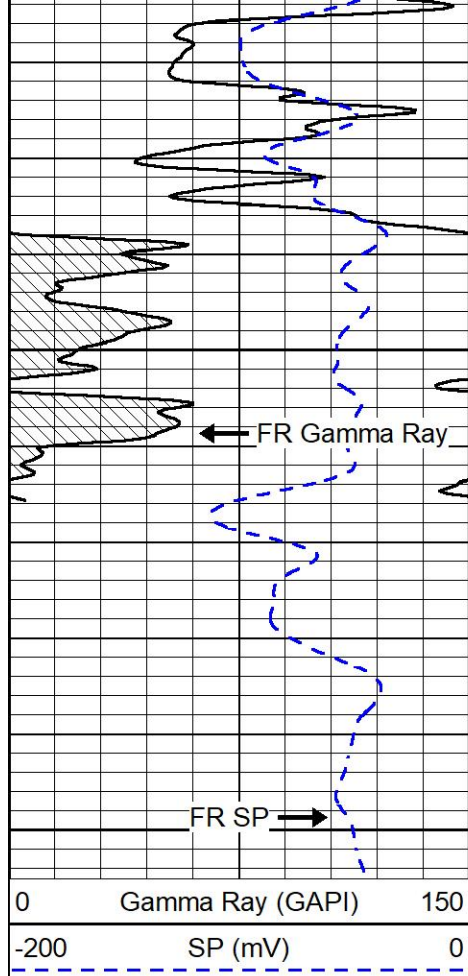
4350

4400

4450

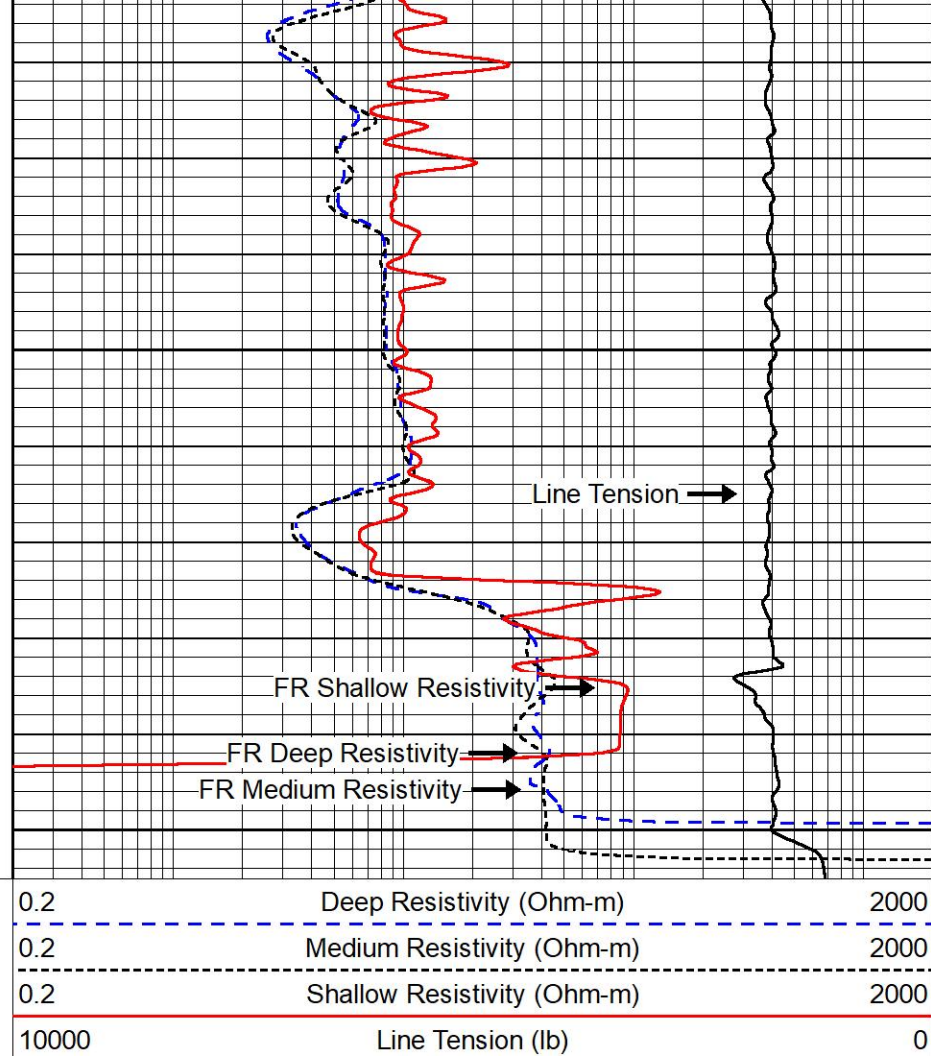
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4550

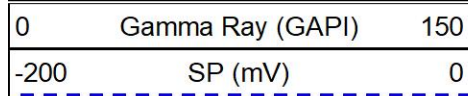
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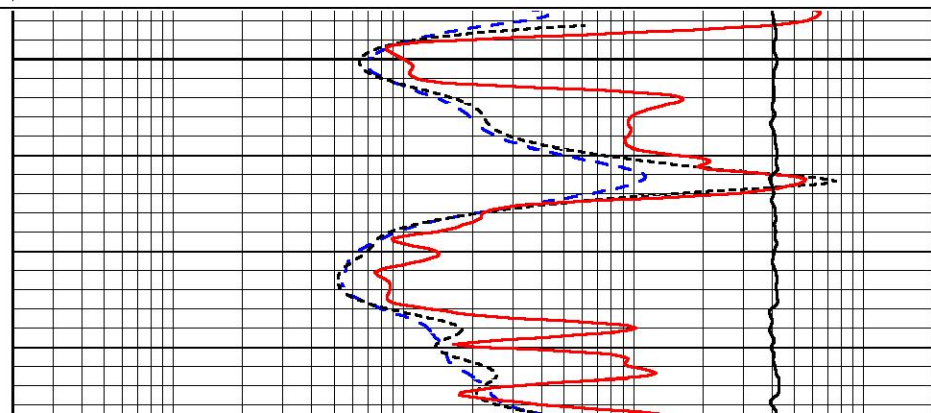
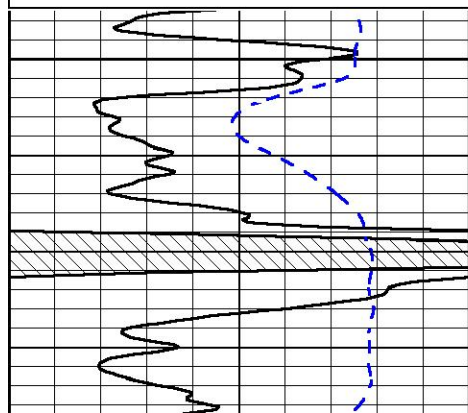
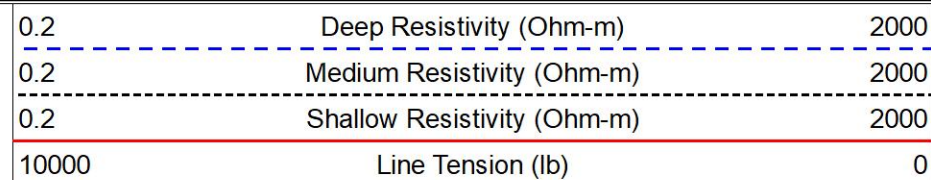
REPEAT SECTION

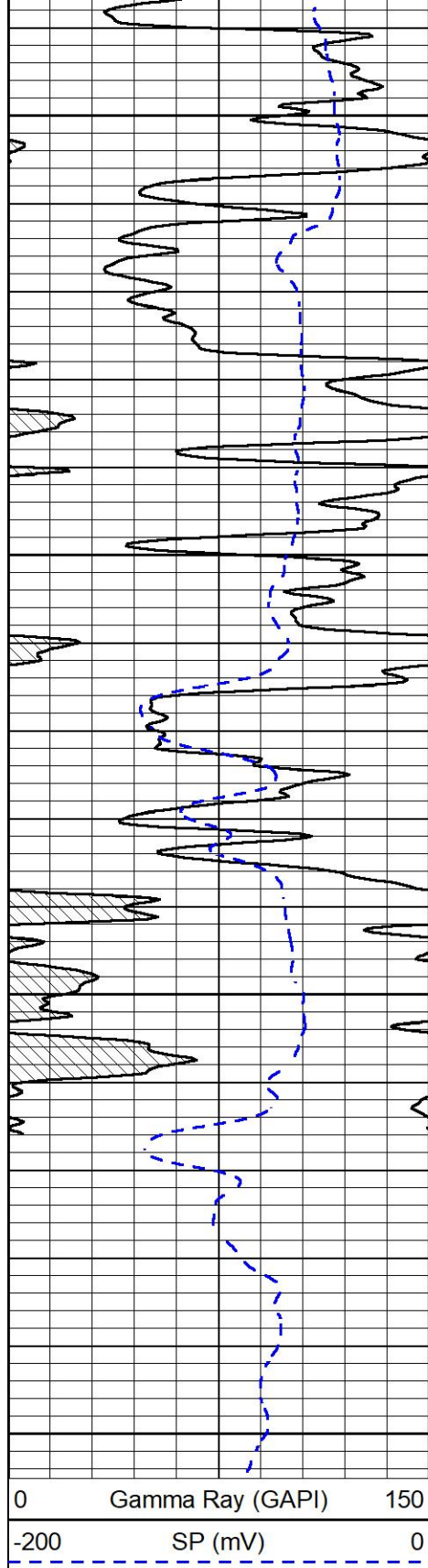
REPEAT PASS

Database File arcadian_malone 1-22.db
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 Dataset Creation Wed Dec 01 16:48:02 2021
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4400



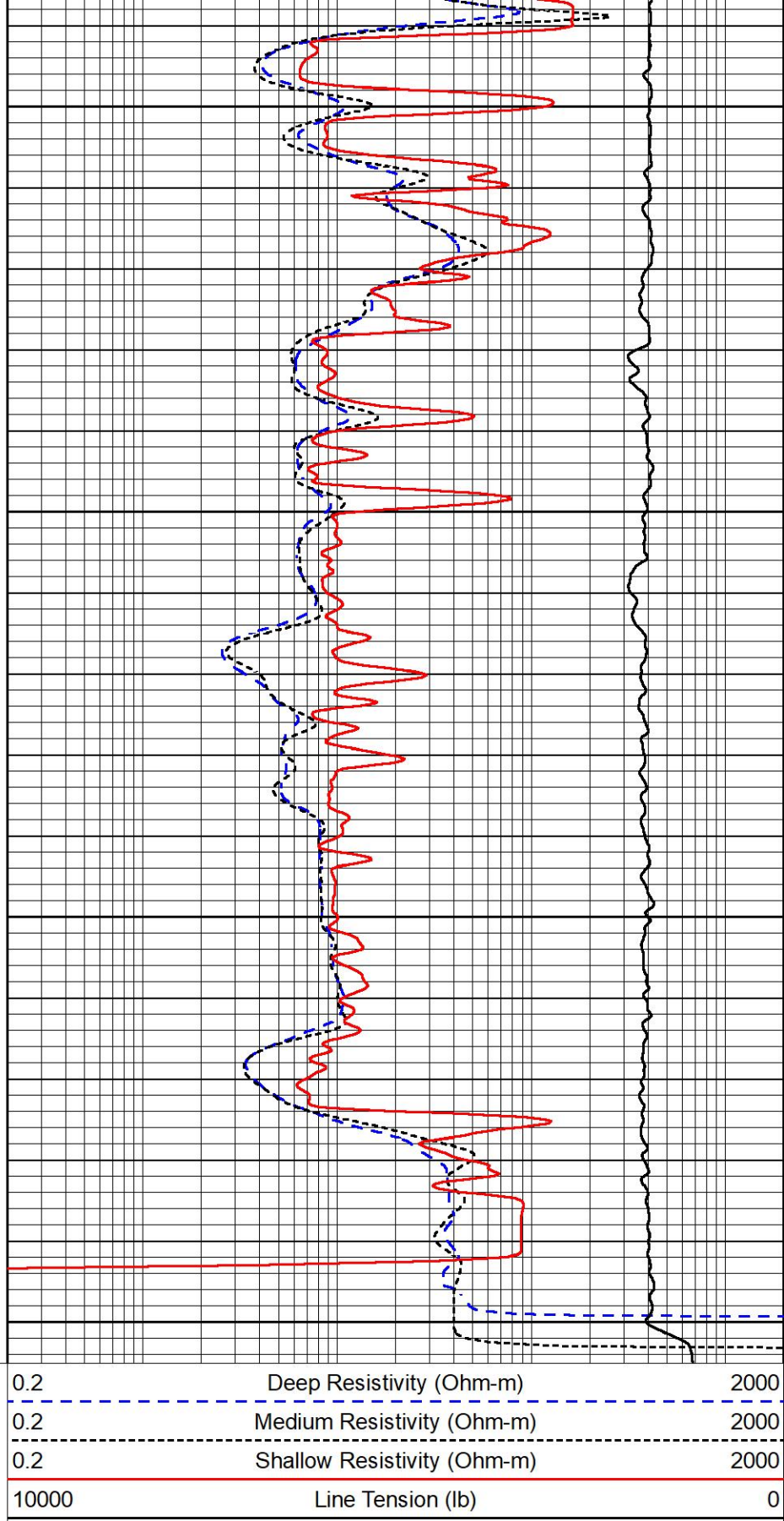


4450

4500

4550

4600



Company Arcadian Resources, LLC

Well Malone #1-22

Field

County Rawlins

State Kansas

MIDWEST WIRELINE

Goldfield Nevada