



DUAL INDUCTION

MIDWEST WIRELINE

Company Berexco LLC		Company Berexco LLC	
Well Arnold Unit #16-1		Well Arnold Unit #16-1	
Field Arroyo Northeast		Field Arroyo Northeast	
County Stanton		County Stanton	
State Kansas		State Kansas	
Location: API #: 15-187-21364-00-00		Other Services	
SEC 1 TWP 29S RGE 41W		C/NL/CDL MEL/BHCS	
Permanent Datum	Ground Level	Elevation	3340
Log Measured From	Kelly Bushing	K.B.	3353
Drilling Measured From	Kelly Bushing	D.F.	3340
		G.L.	3340
Date	7/7/2026		
Run Number	One		
Depth Driller	5600		
Depth Logger	5601		
Bottom Logged Interval	5600		
Top Log Interval	1700		
Casing Driller	8.625 @ 1732		
Casing Logger	1719		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2000		
Density / Viscosity	8.8 59		
pH / Fluid Loss	9.0 9.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.90 @ 80		
Rmt @ Meas. Temp	0.68 @ 80		
Rmc @ Meas. Temp	1.22 @ 80		
Source of Rmt / Rmc	Charts		
Rm @ BHT	0.55 @ 132		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	132		
Equipment Number	110		
Location	Hays, KS		
Recorded By	D. Schmidt		
Witnessed By	Macklin Armstrong		

<<< 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.

Johnson City,
South on Hwy 27 to Rd 14, 2/3 East,
North 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: Macklin Armstrong
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\berexco_arnold unit 16-1.db
Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 132	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0	SNDERRM mmho/m 0	SPSHIFT mV 160	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 5601		

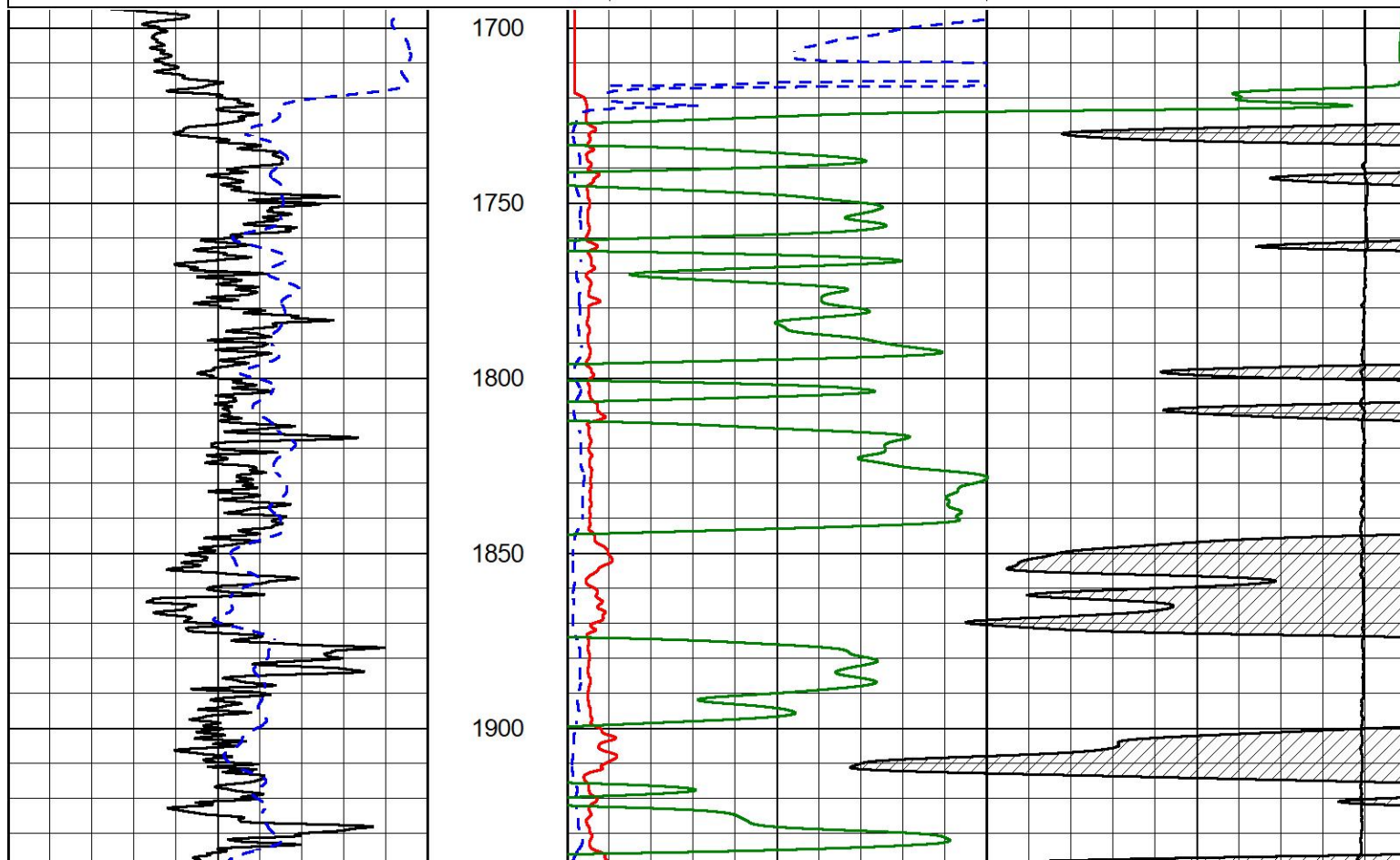


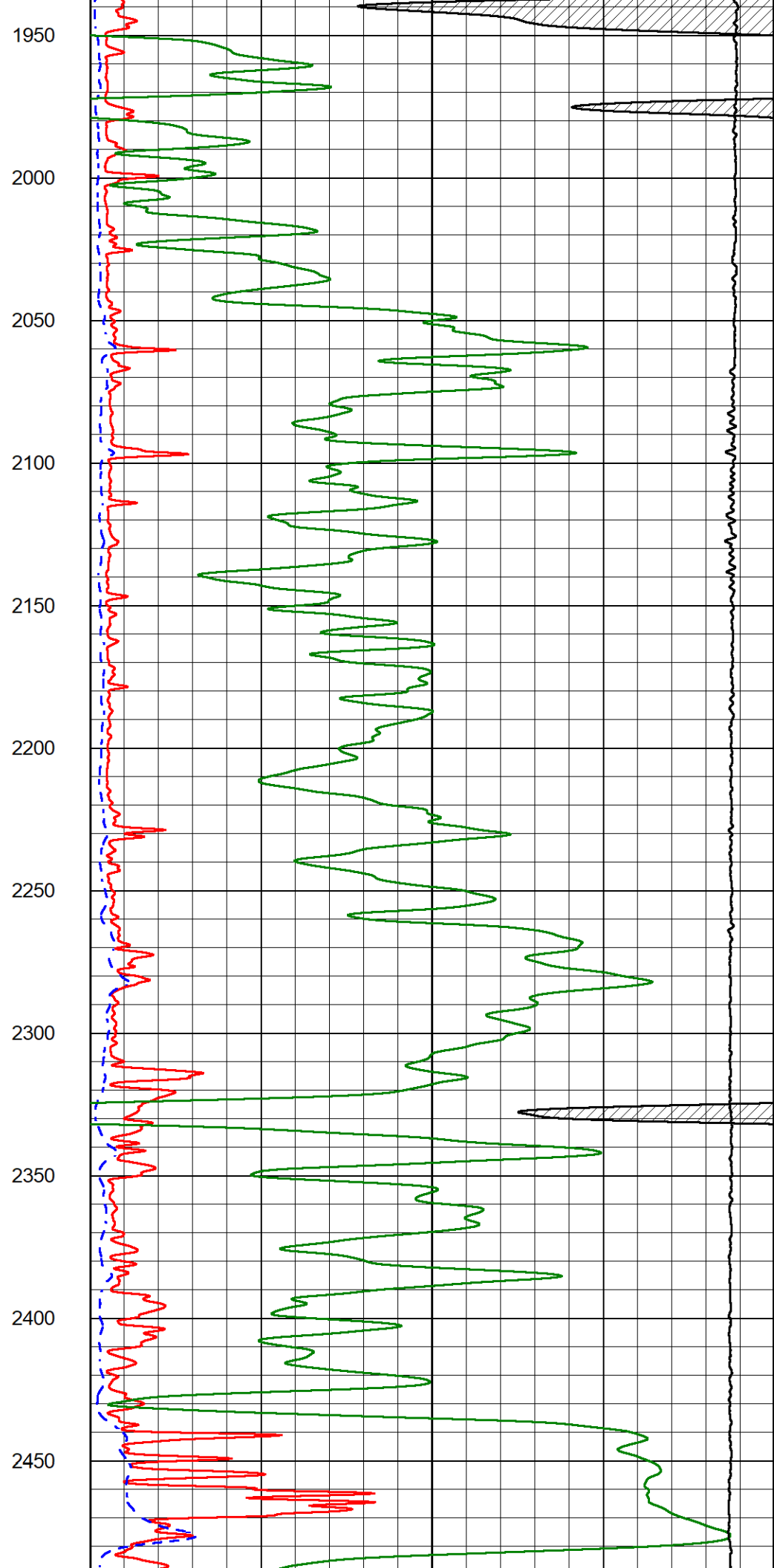
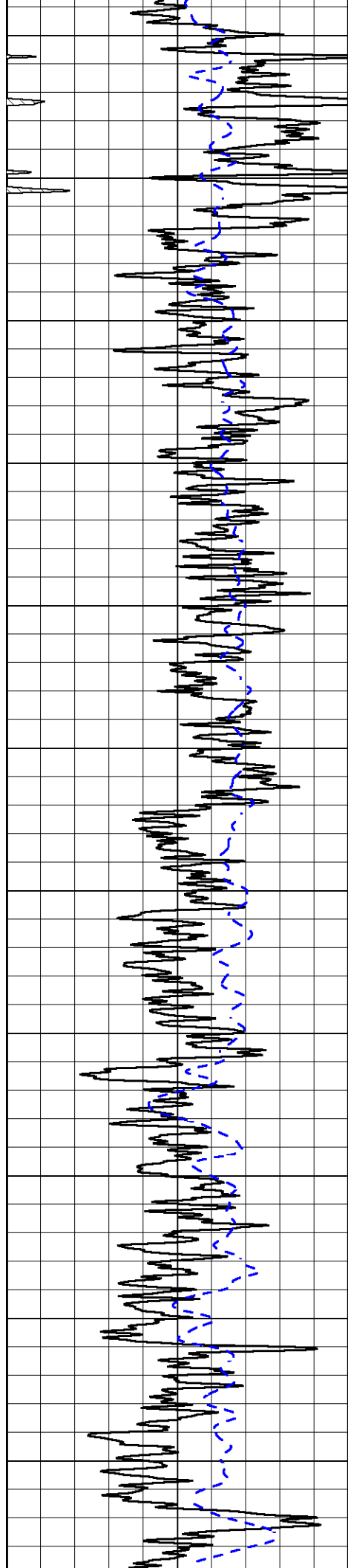
2" SCALE RESISTIVITY

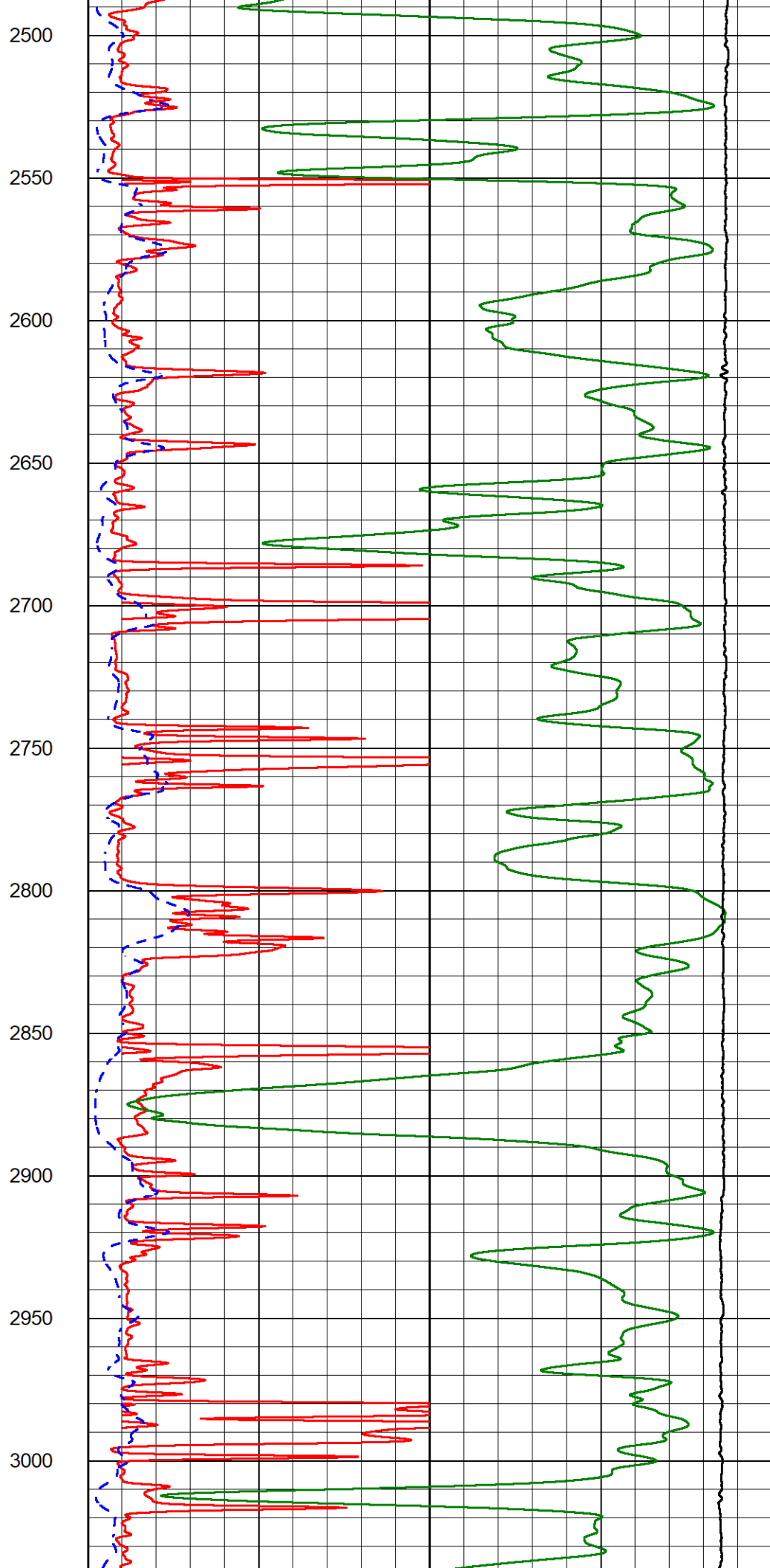
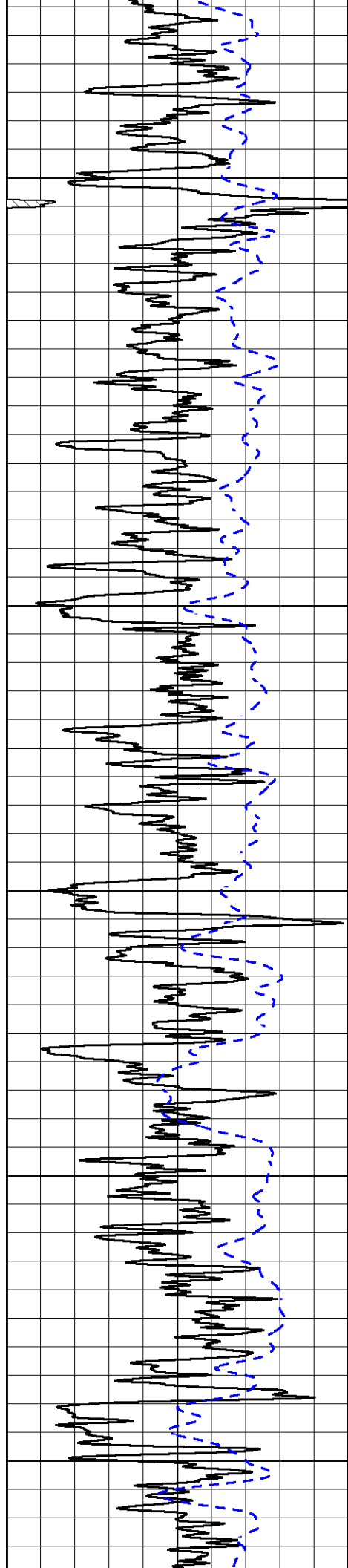
MAIN PASS

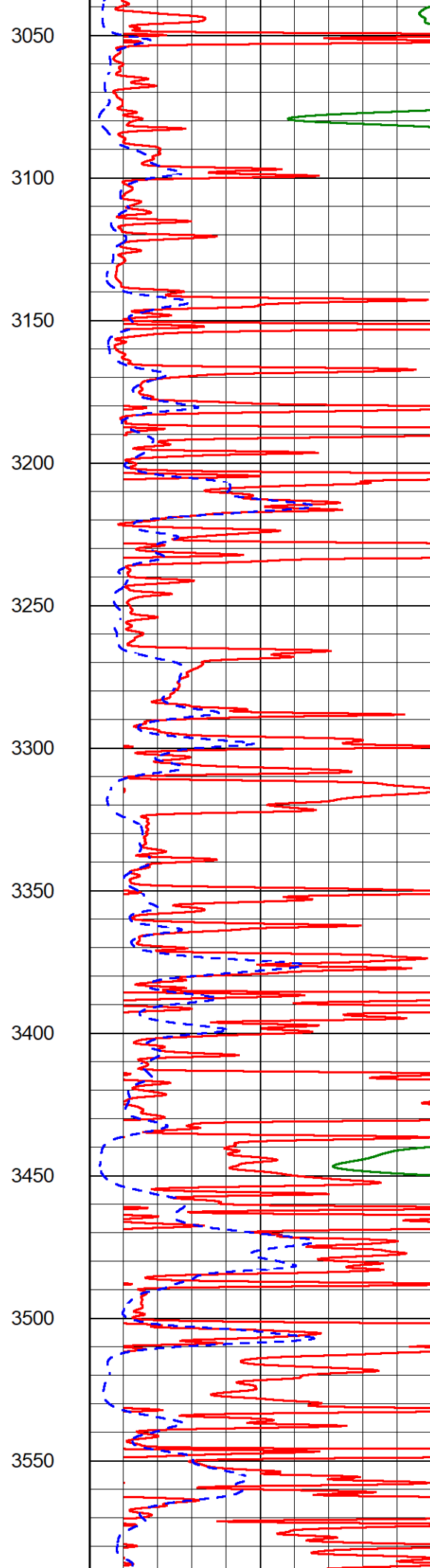
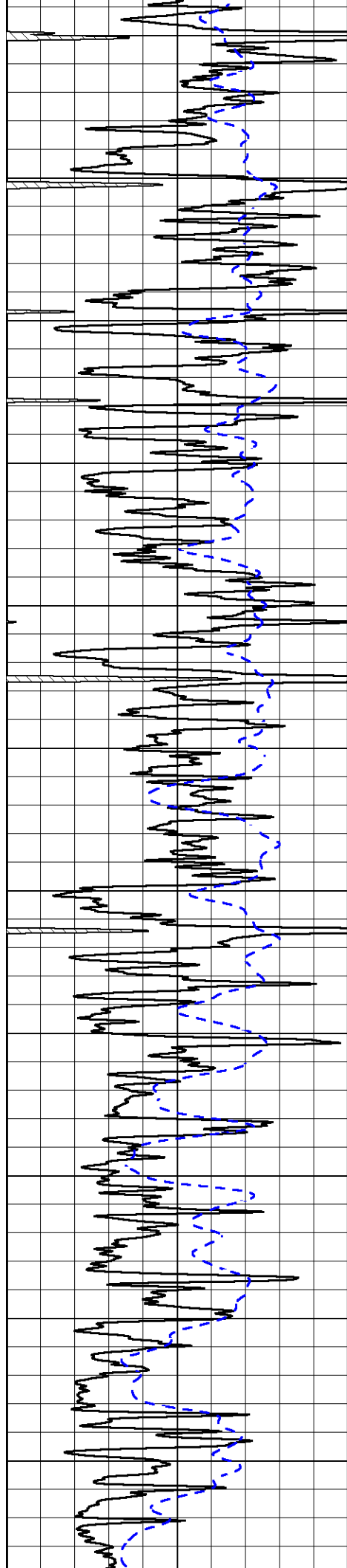
Database File berexco_arnold unit 16-1.db
Dataset Pathname stack/pass3.3
Presentation Format _dil2in
Dataset Creation Wed Jul 08 01:58:01 2026
Charted by Depth in Feet scaled 1:600

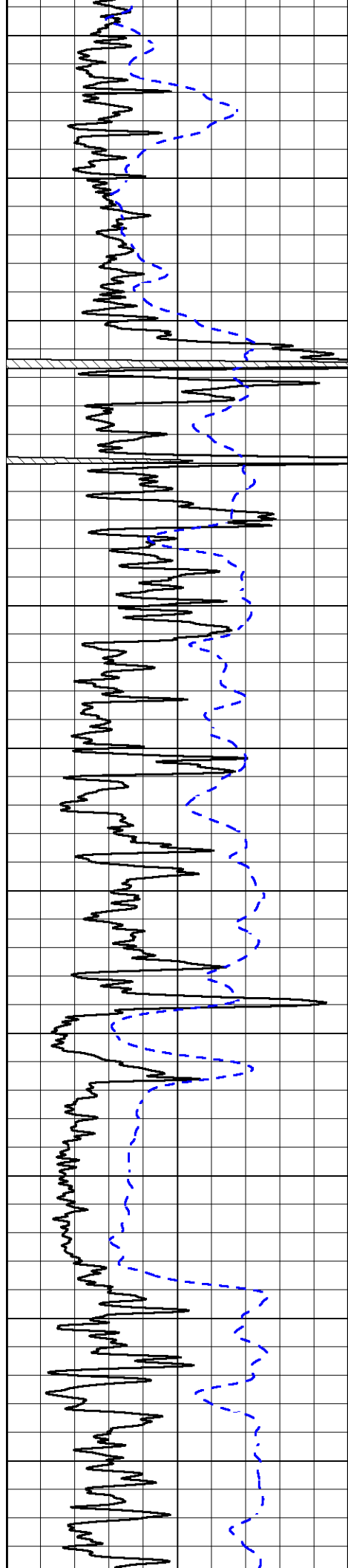
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-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	RLL3 (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
			50	RLL3 (Ohm-m)	200
			50	Deep Resistivity (Ohm-m)	200











3600

3650

3700

3750

3800

3850

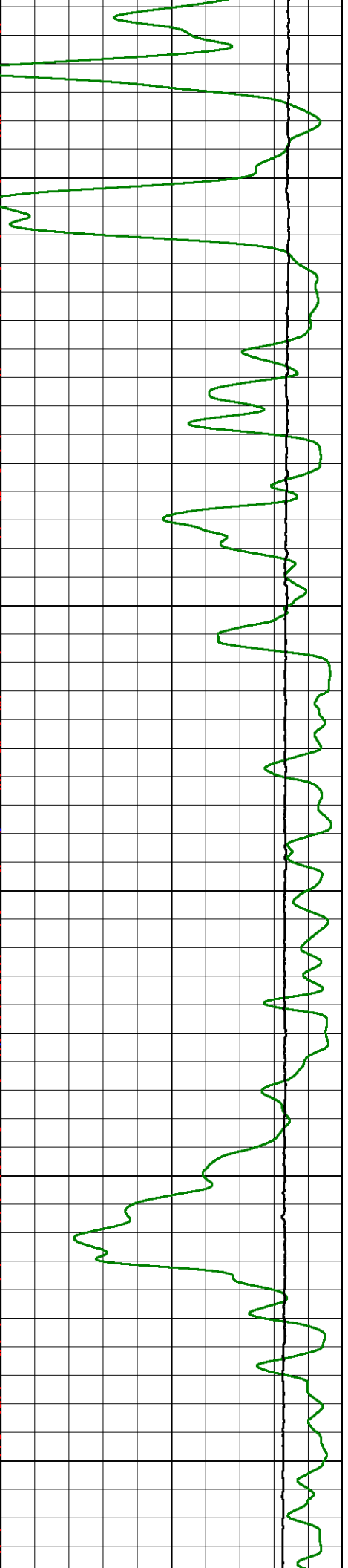
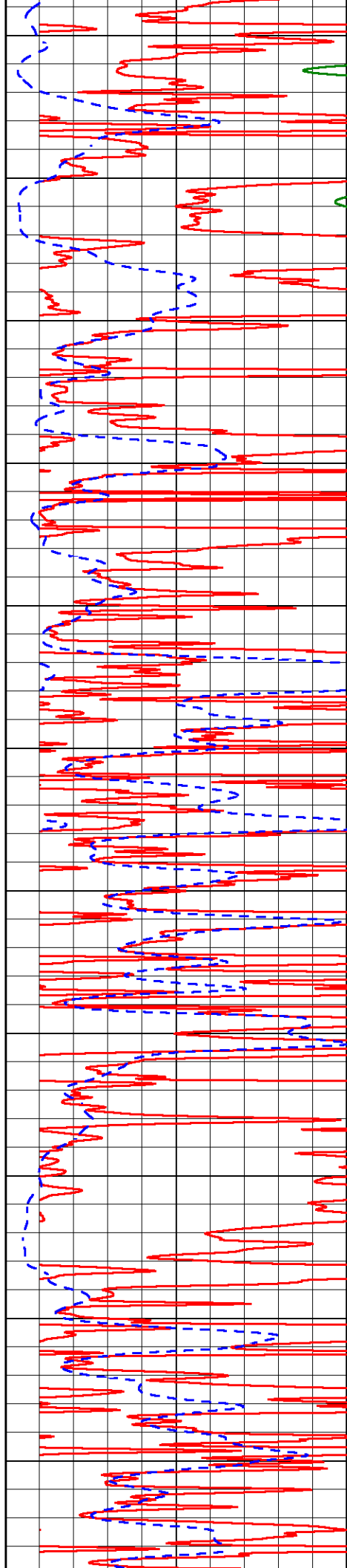
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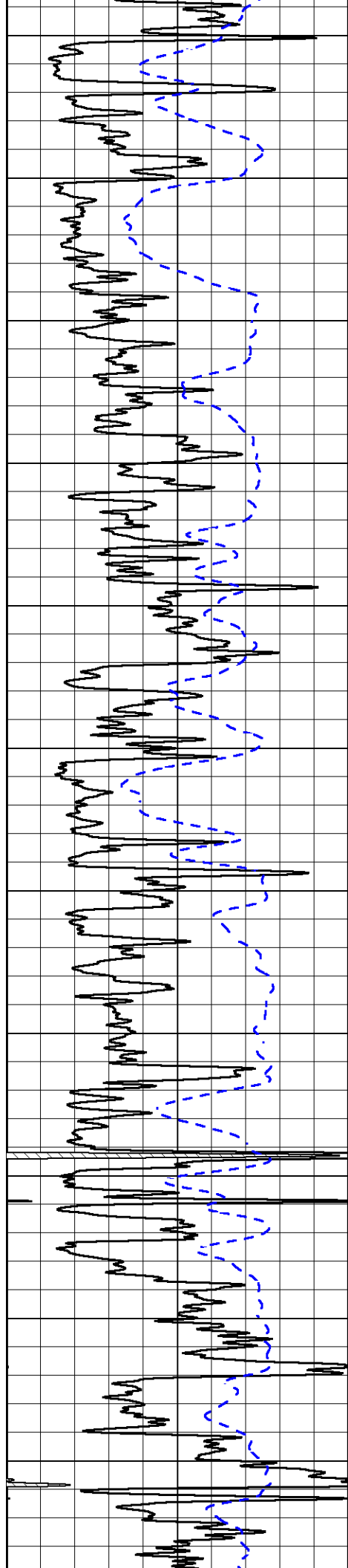
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4000

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4100





4150

4200

4250

4300

4350

4400

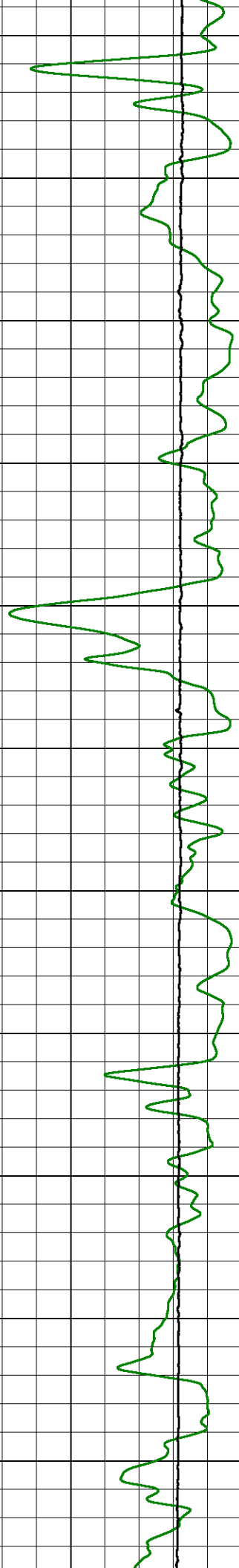
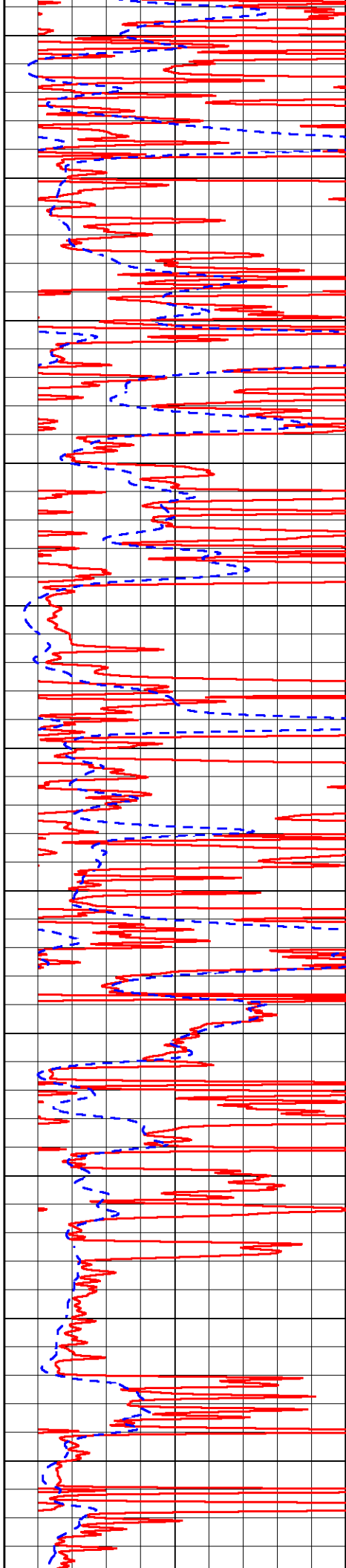
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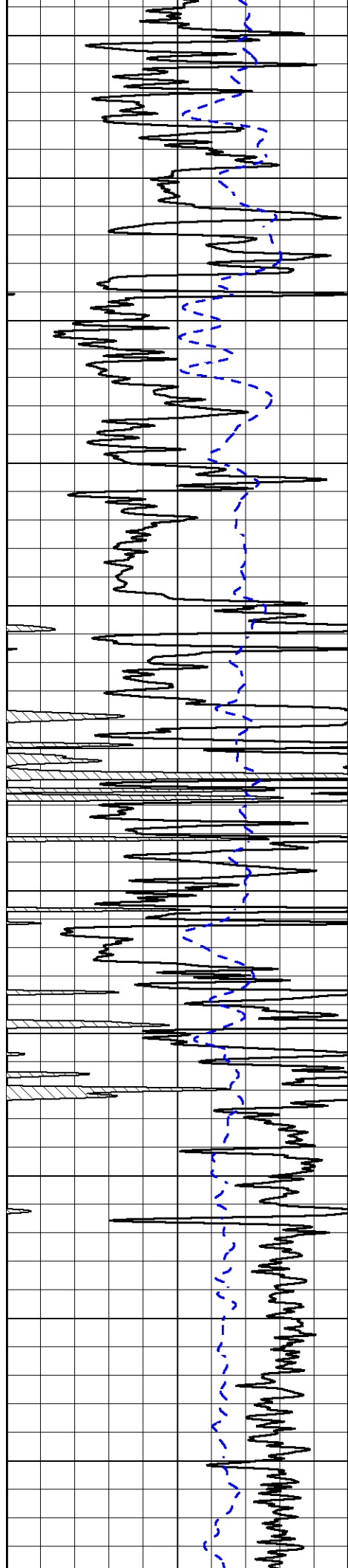
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4600

4650





4700

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4800

4850

4900

4950

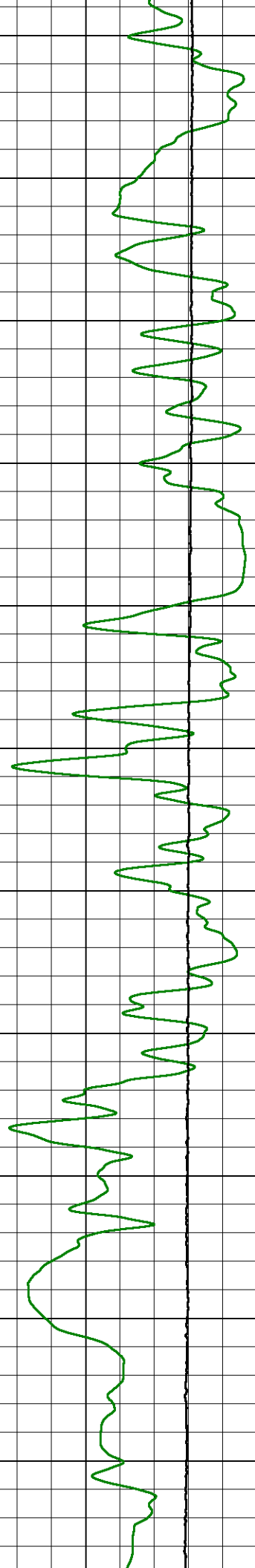
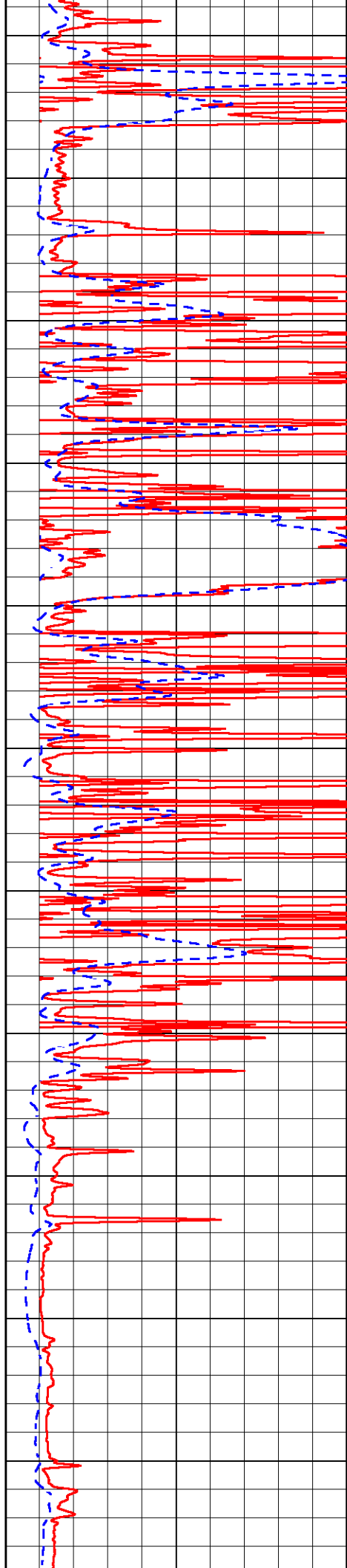
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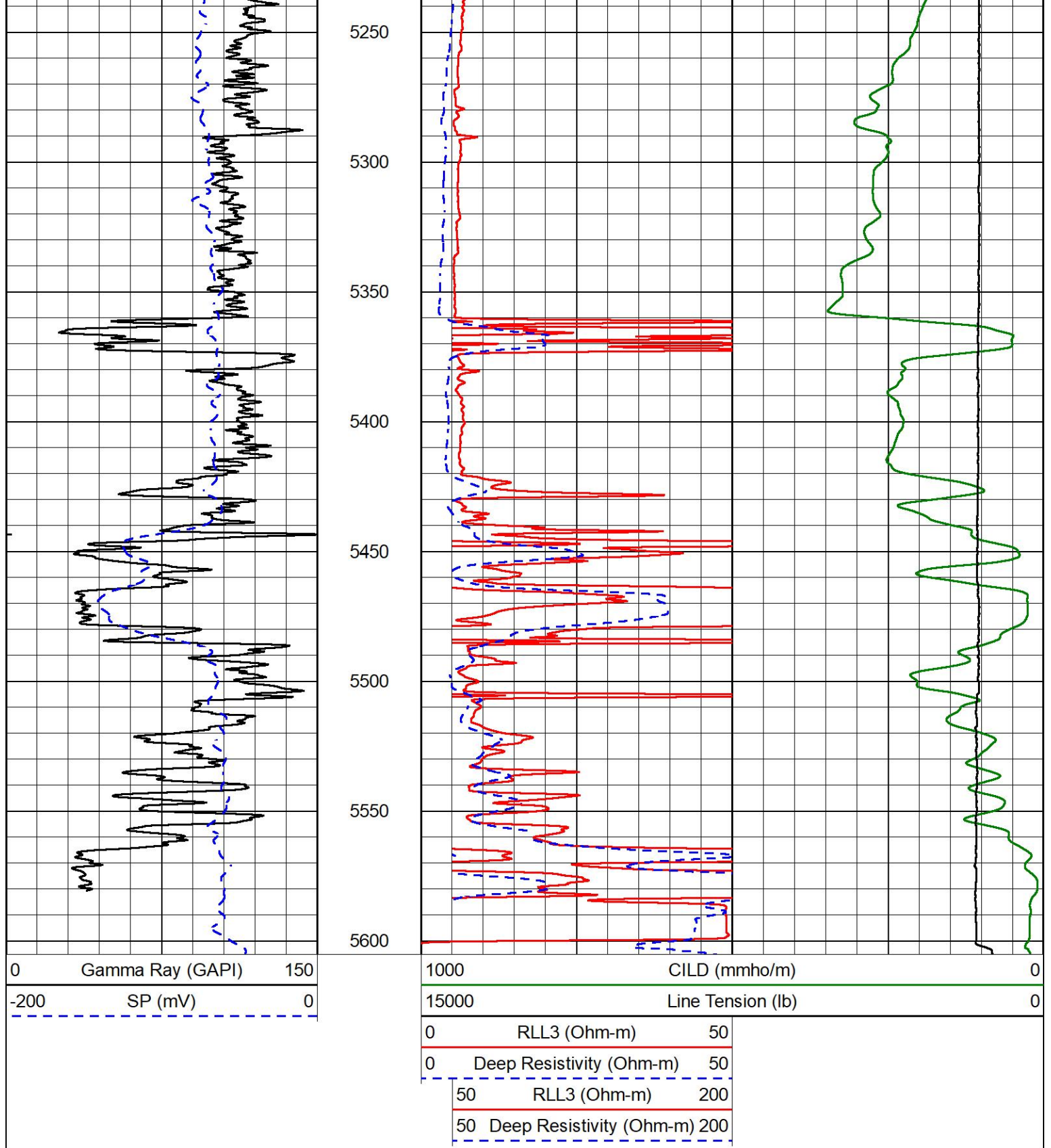
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5100

5150

5200





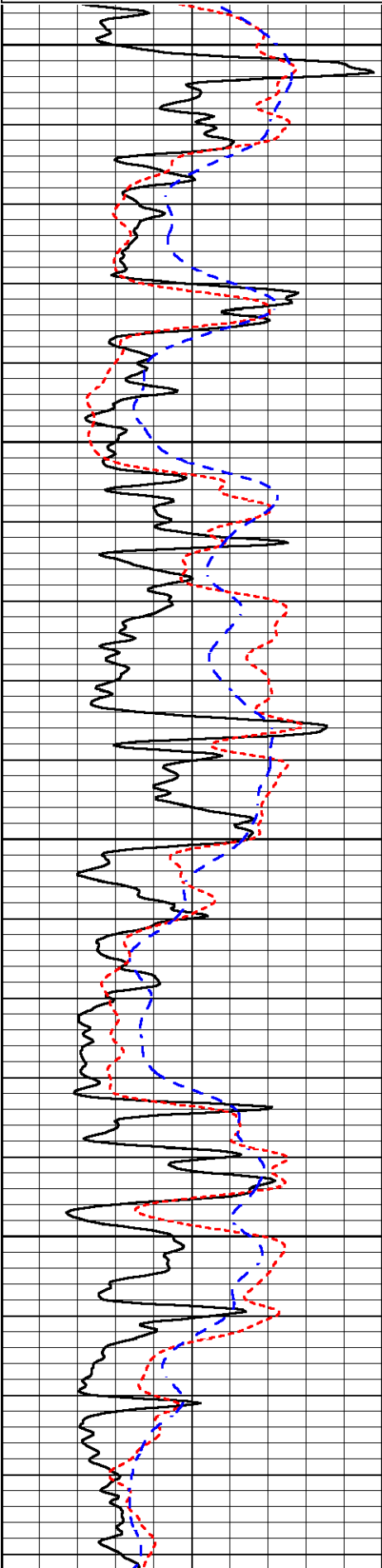
DETAIL SECTION

MAIN PASS

Database File berexco_arnold unit 16-1.db
Dataset Pathname stack/pass3.1
Presentation Format _dil
Dataset Creation Wed Jul 08 01:57:30 2026
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
50	RXORT	250
-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

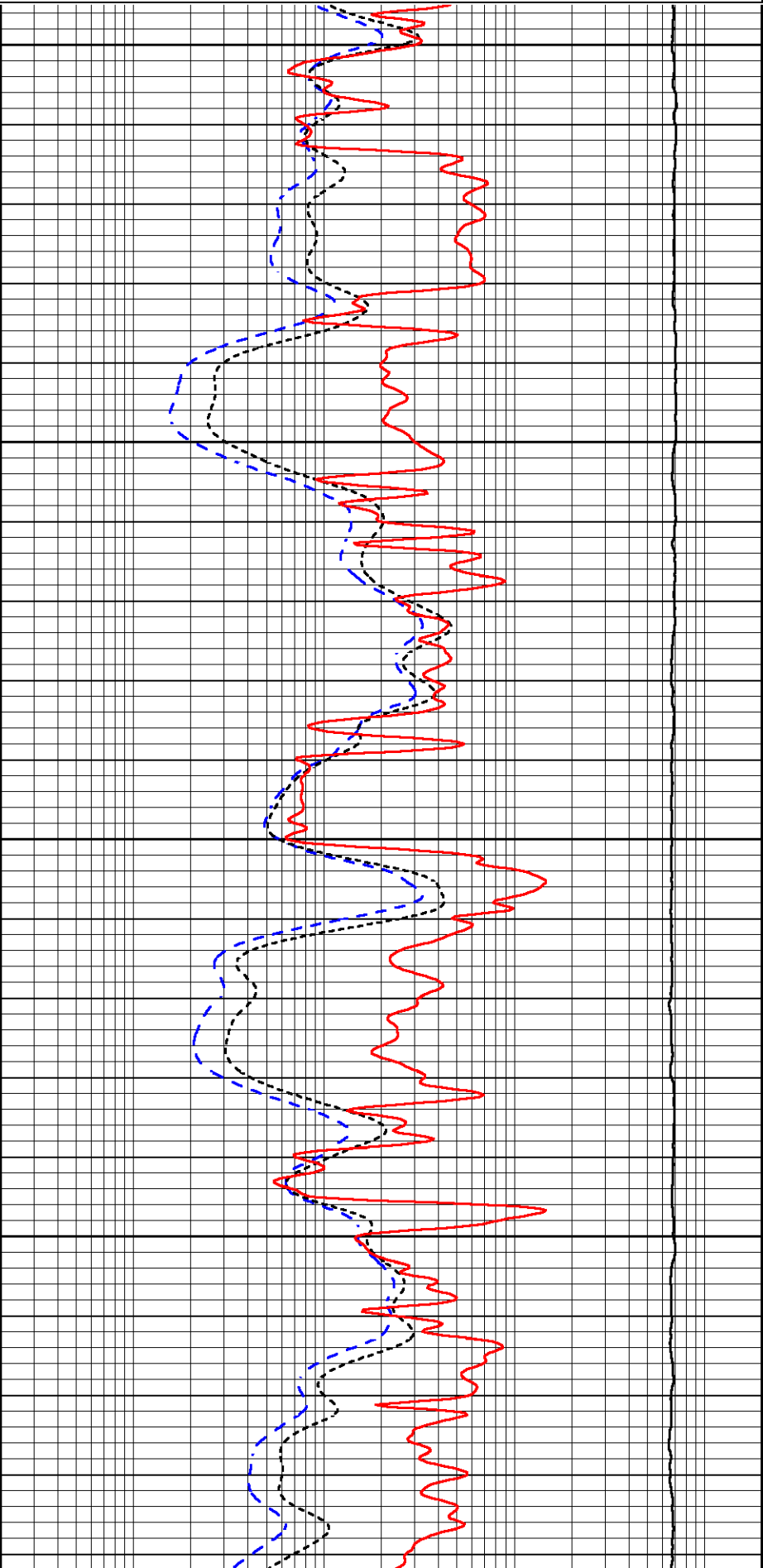


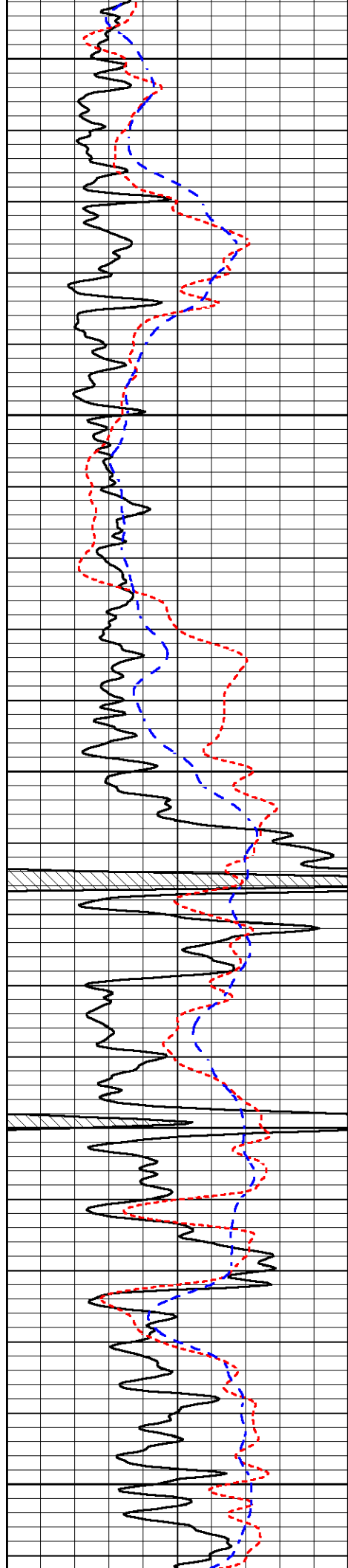
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3450

3500

3550





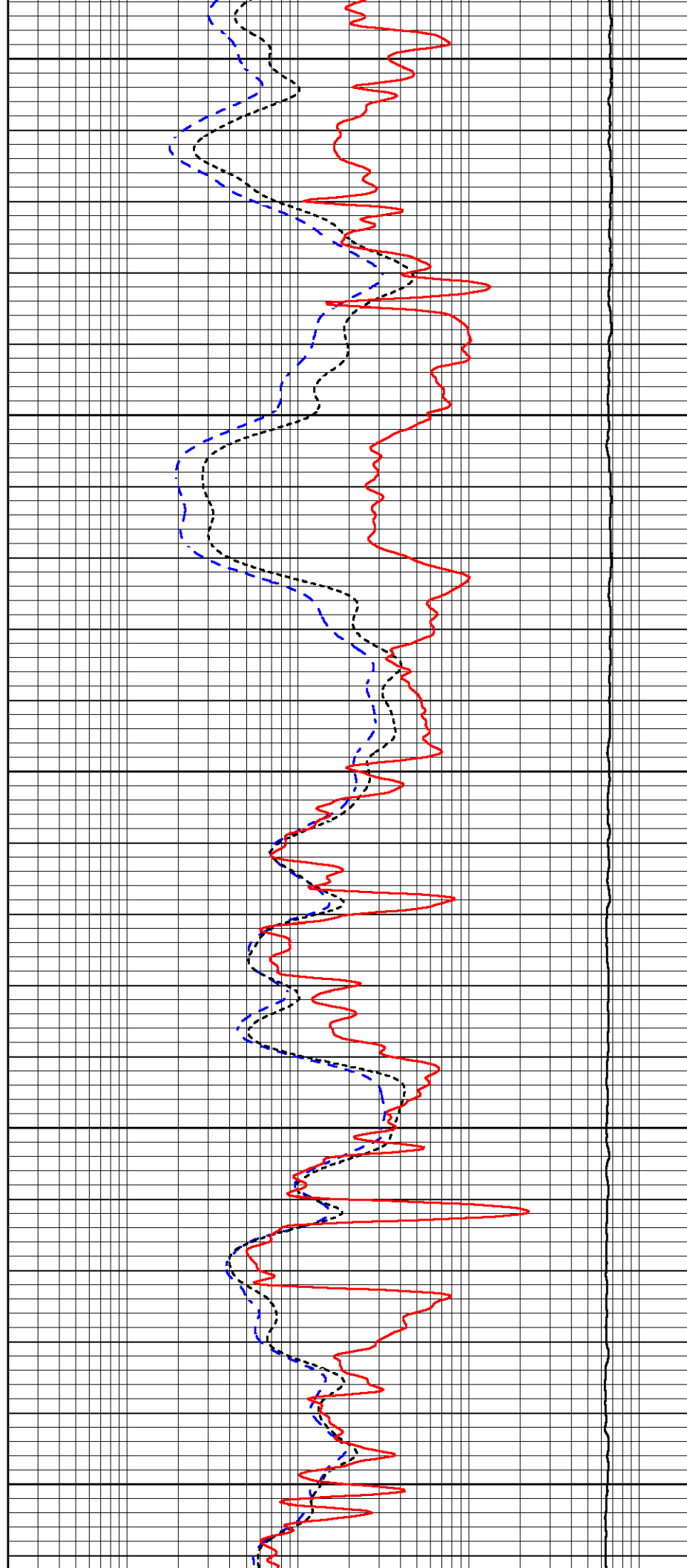
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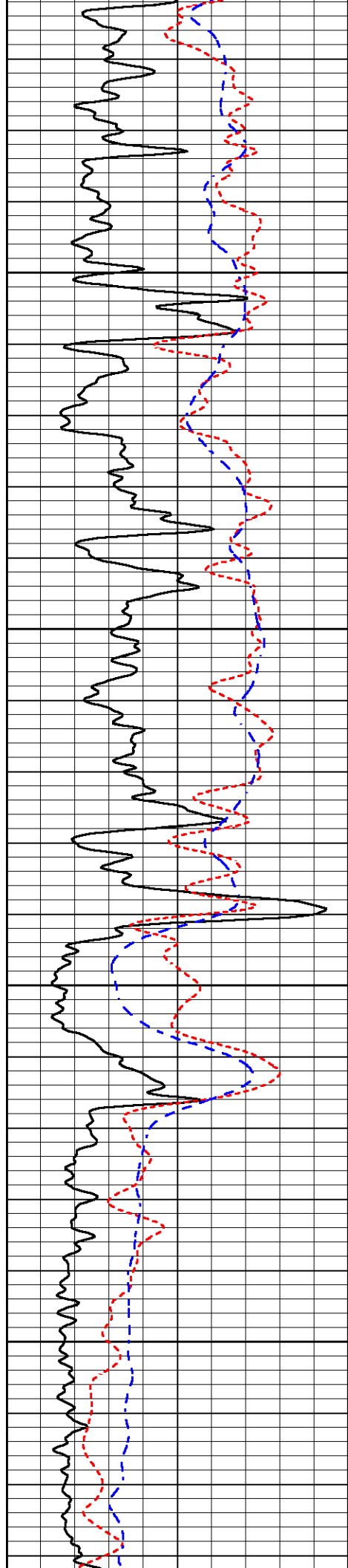
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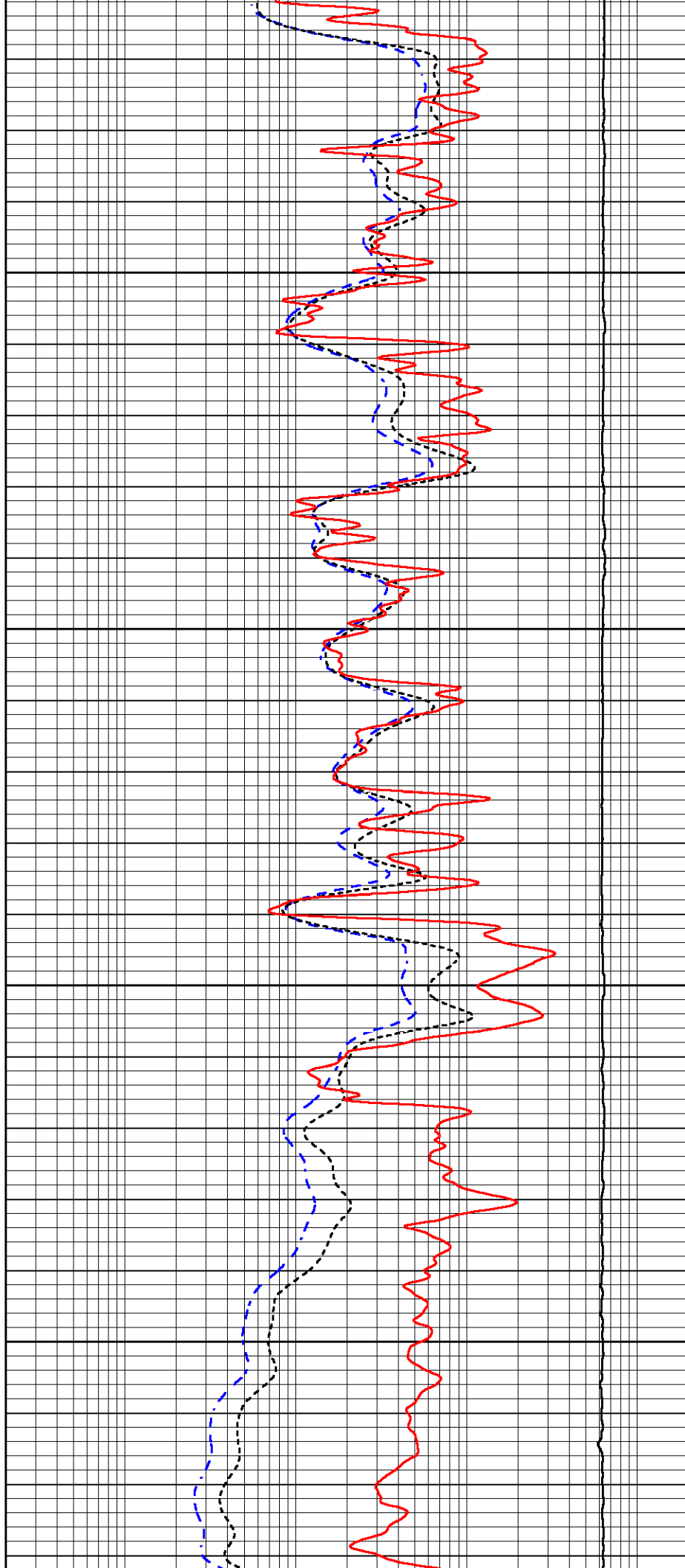


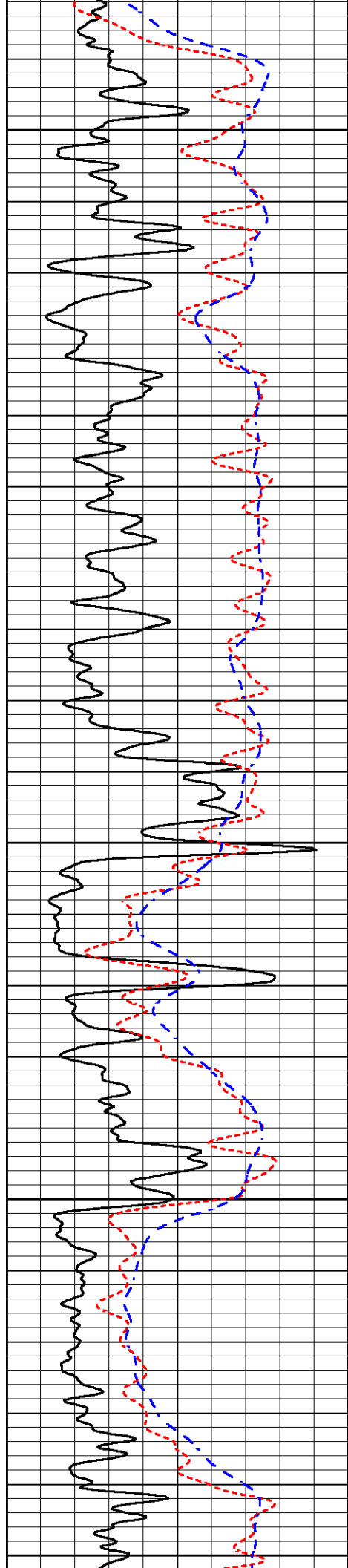
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3900

3950

4000





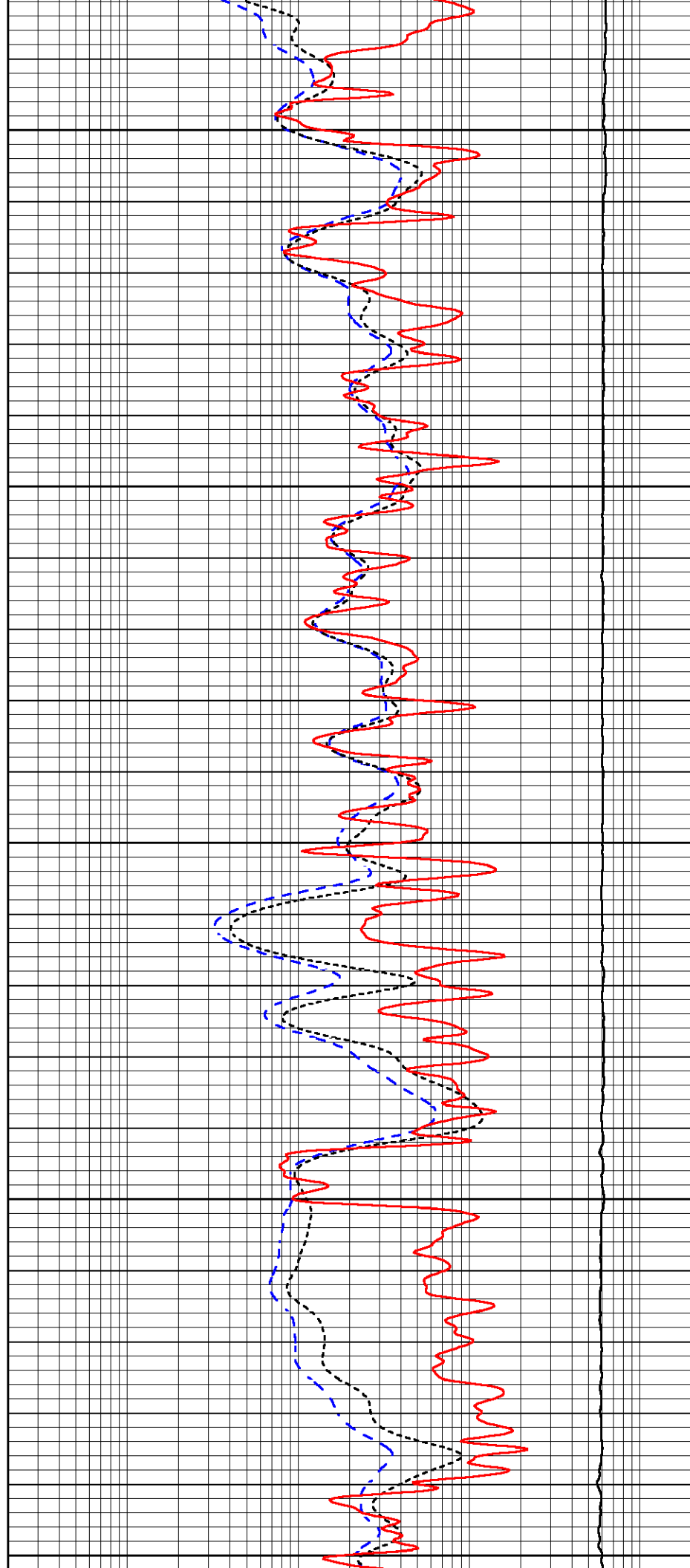
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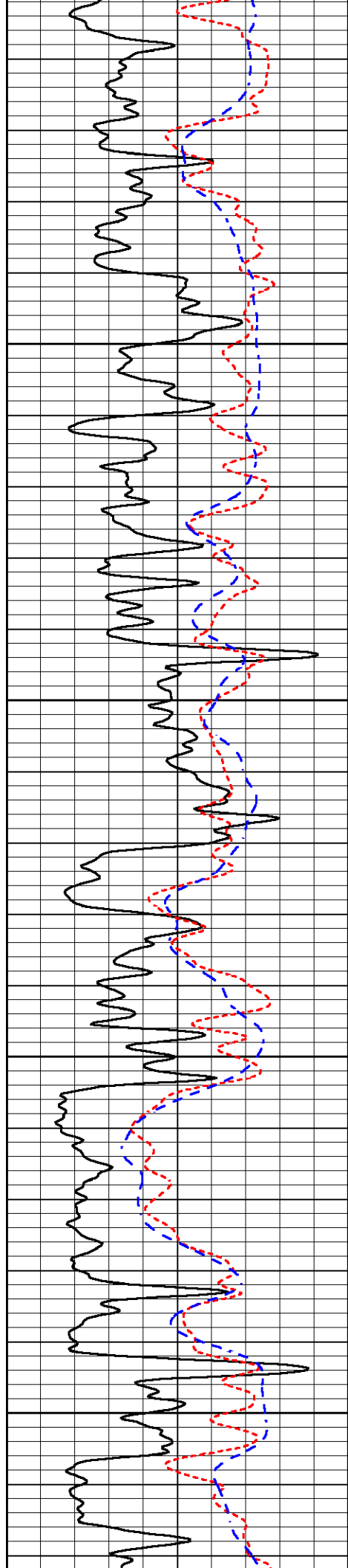
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4150

4200

4250



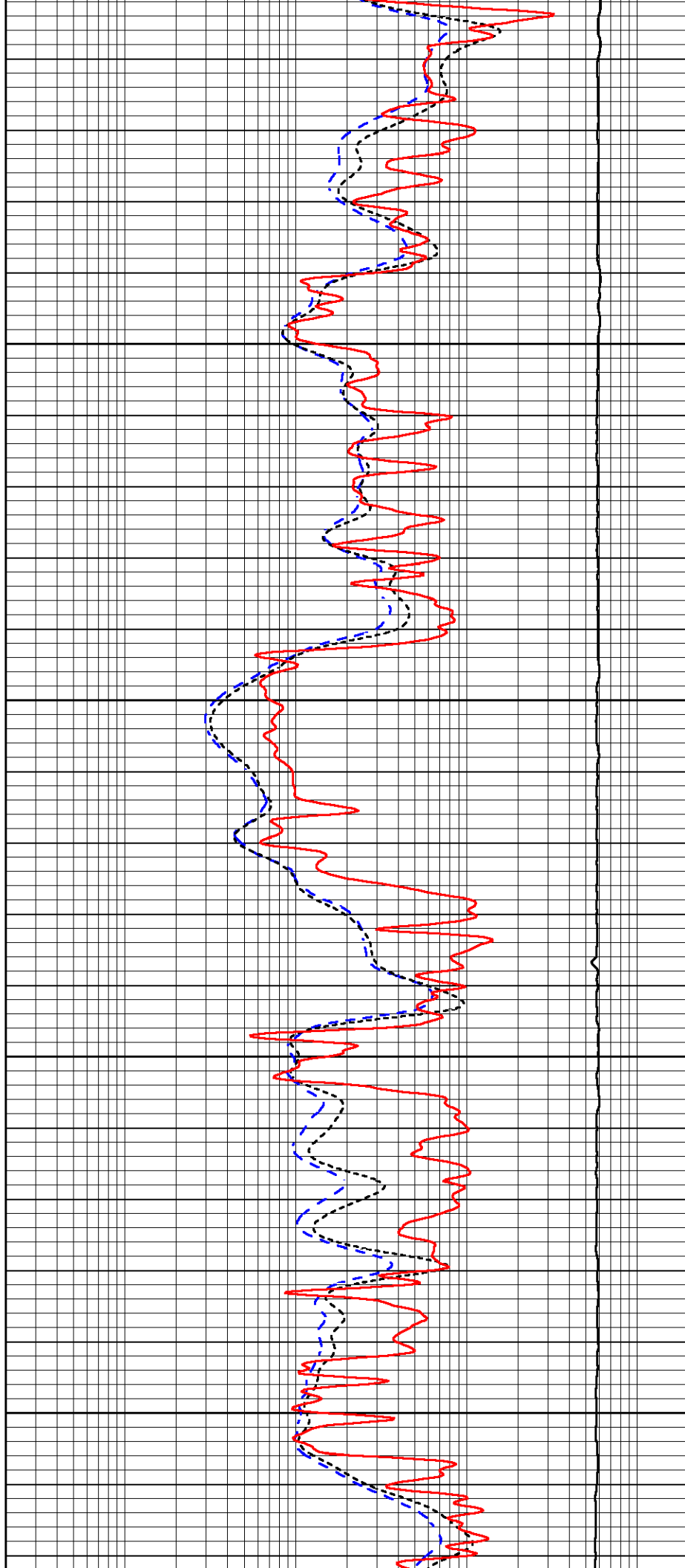


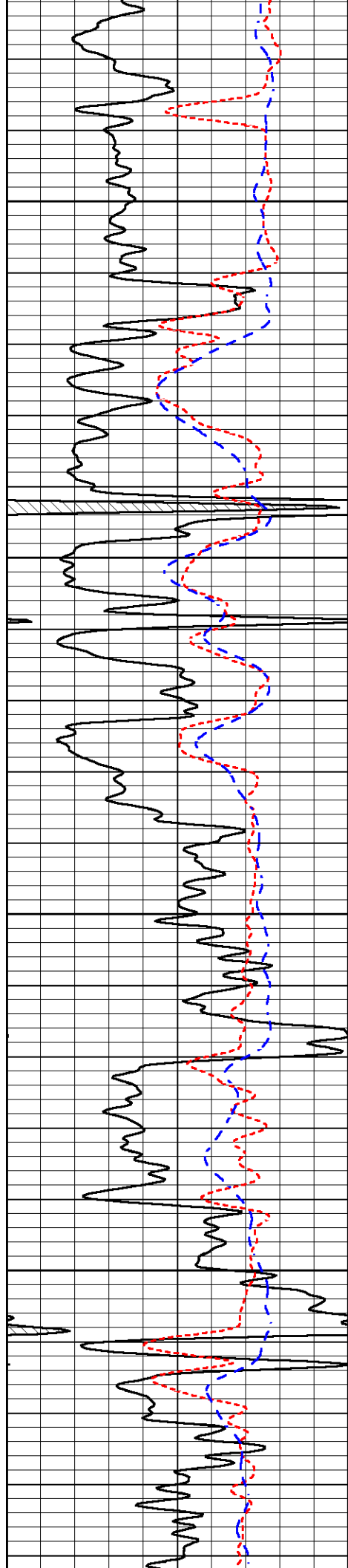
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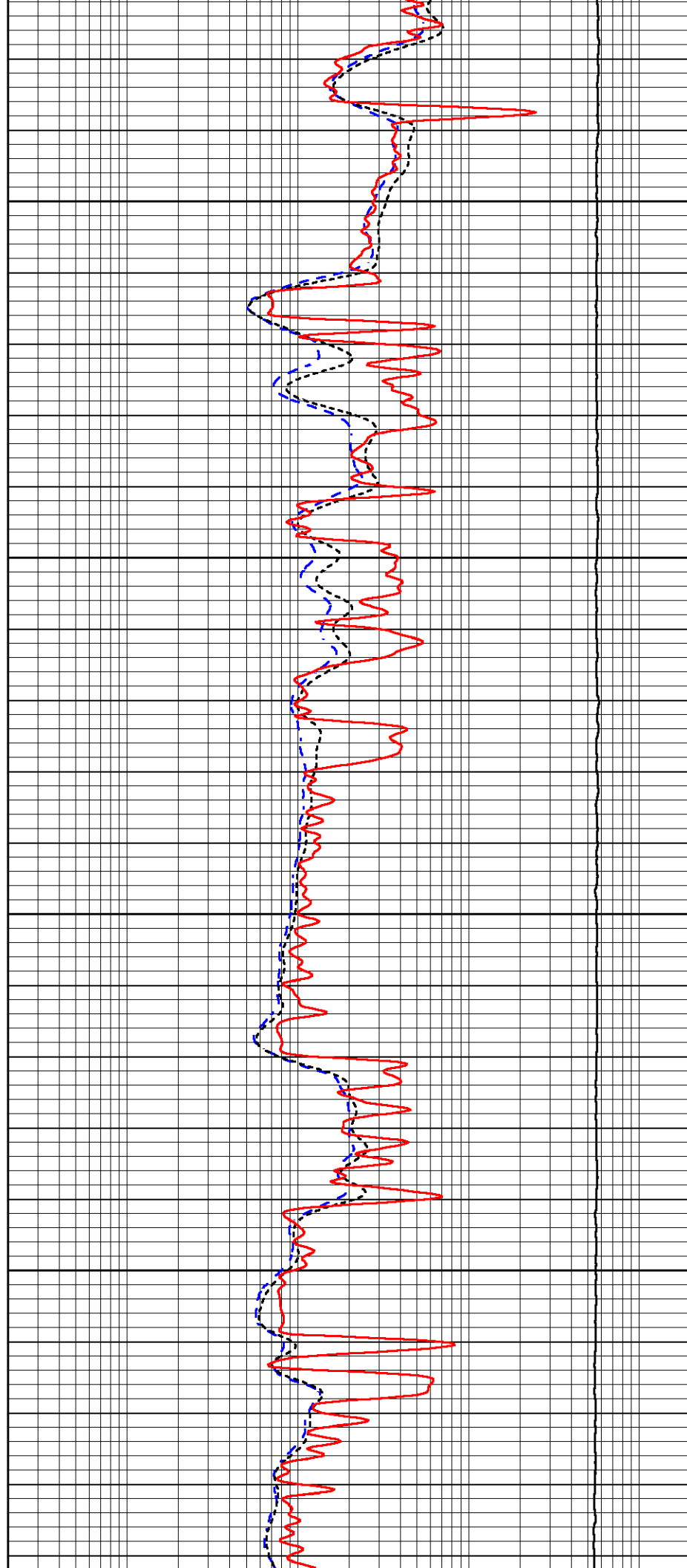


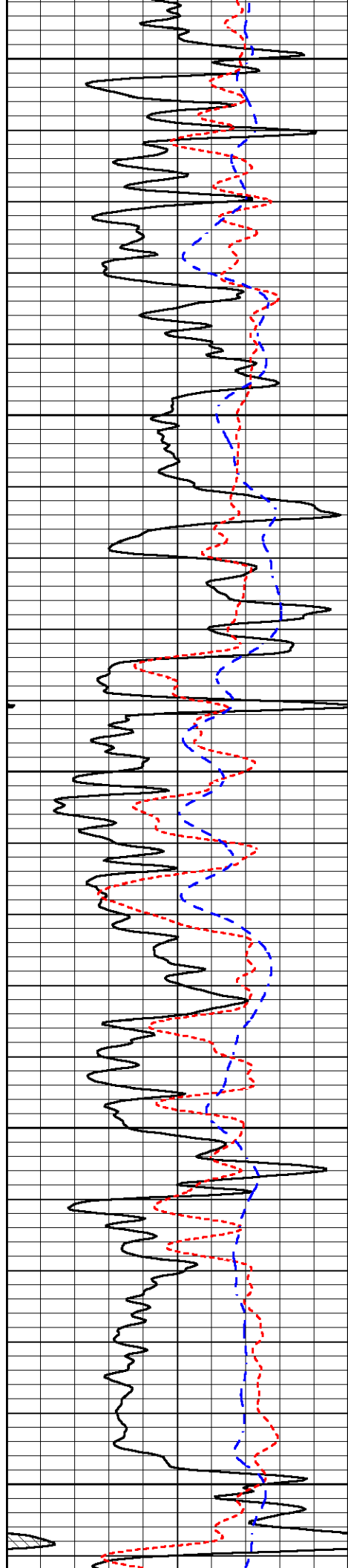
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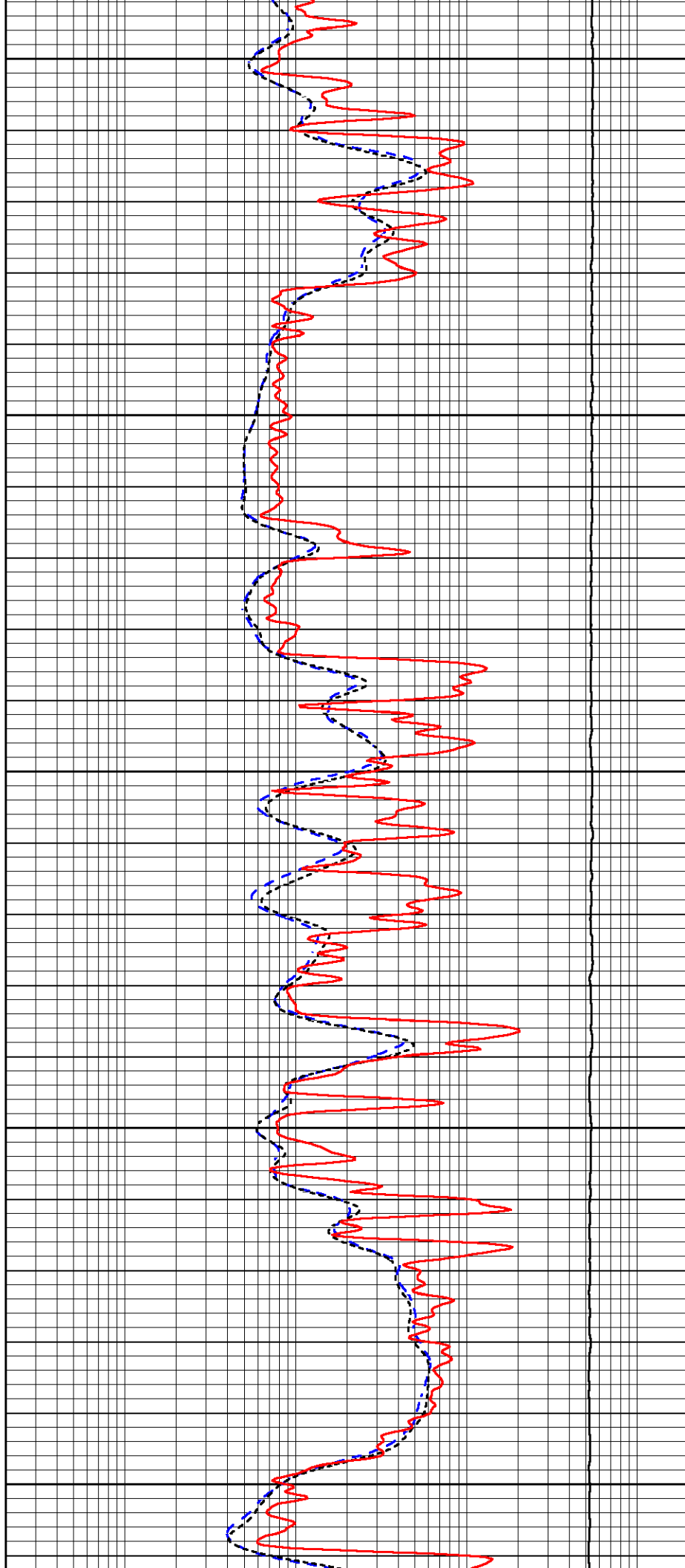
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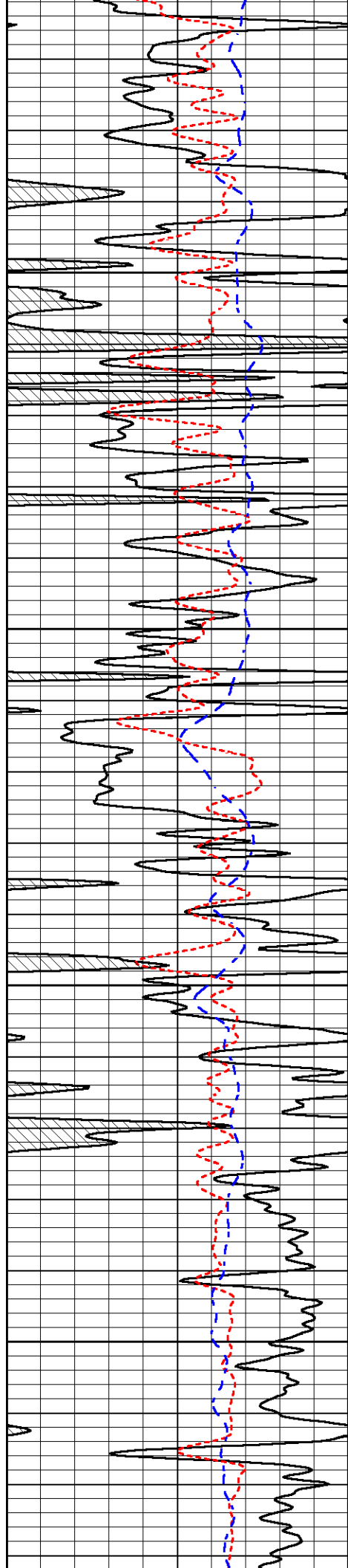
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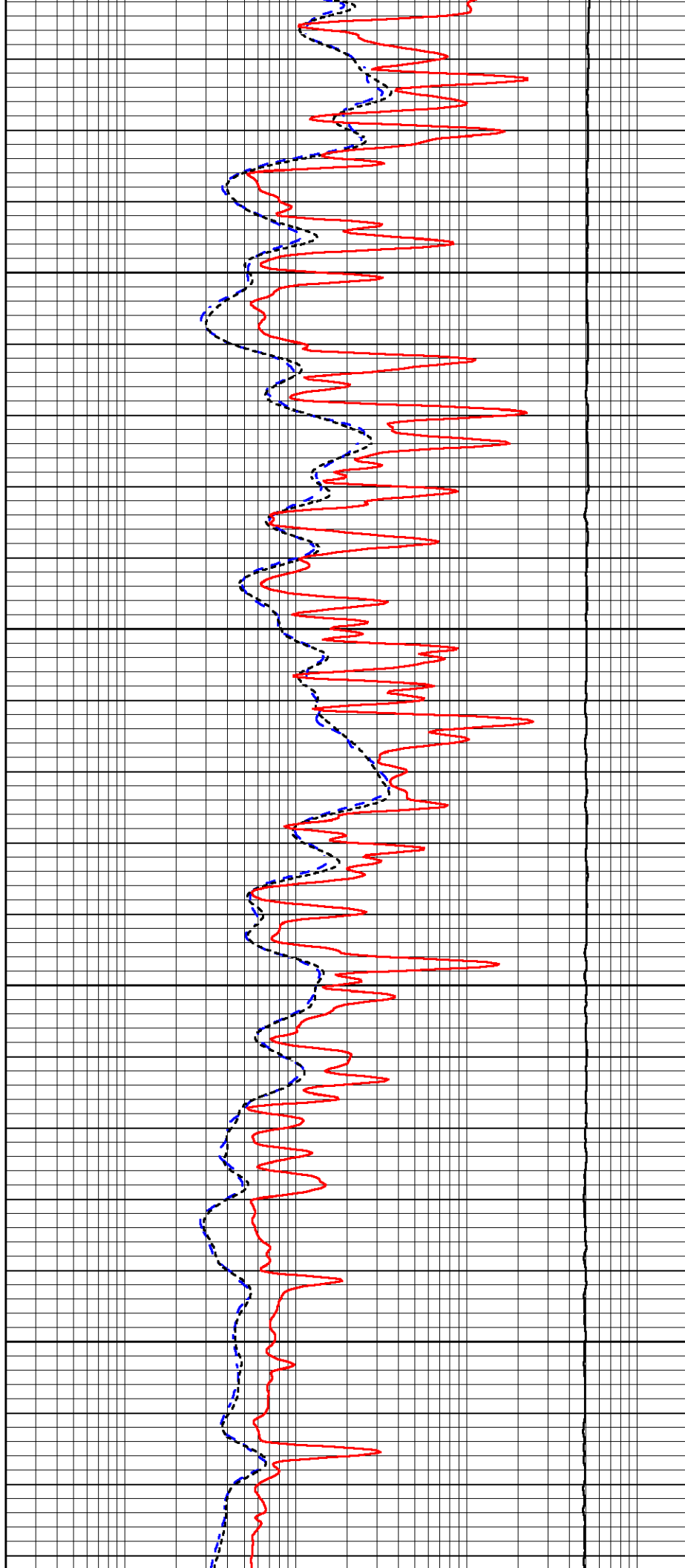


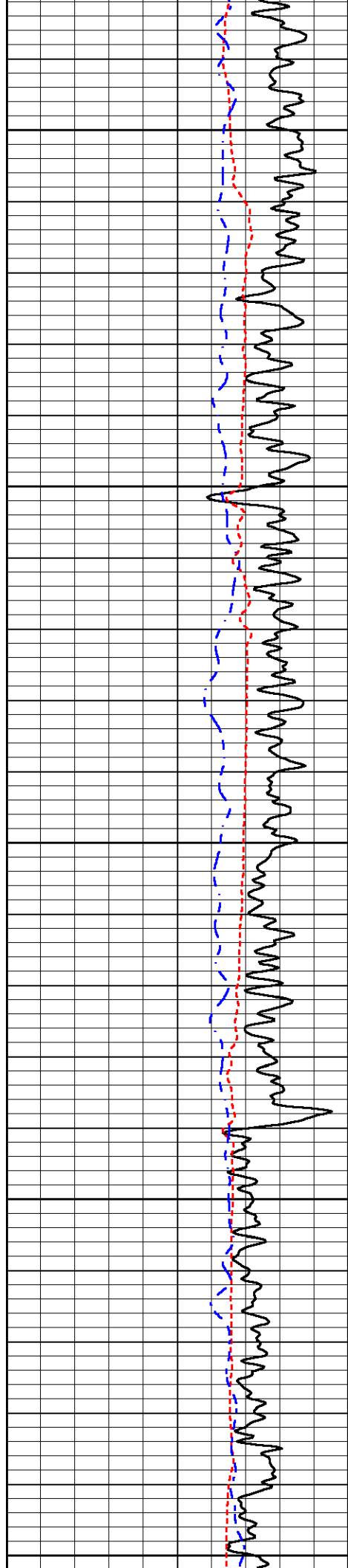
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5000

5050

5100





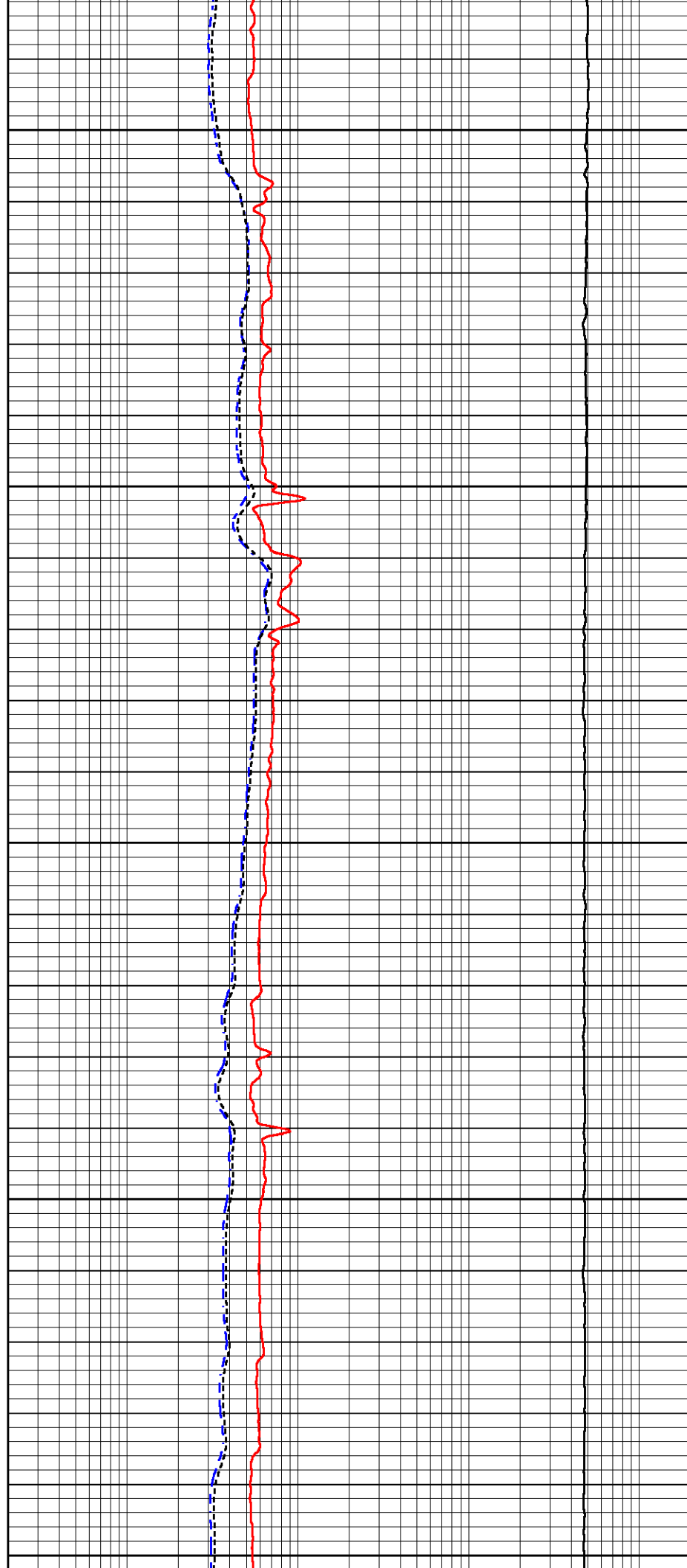
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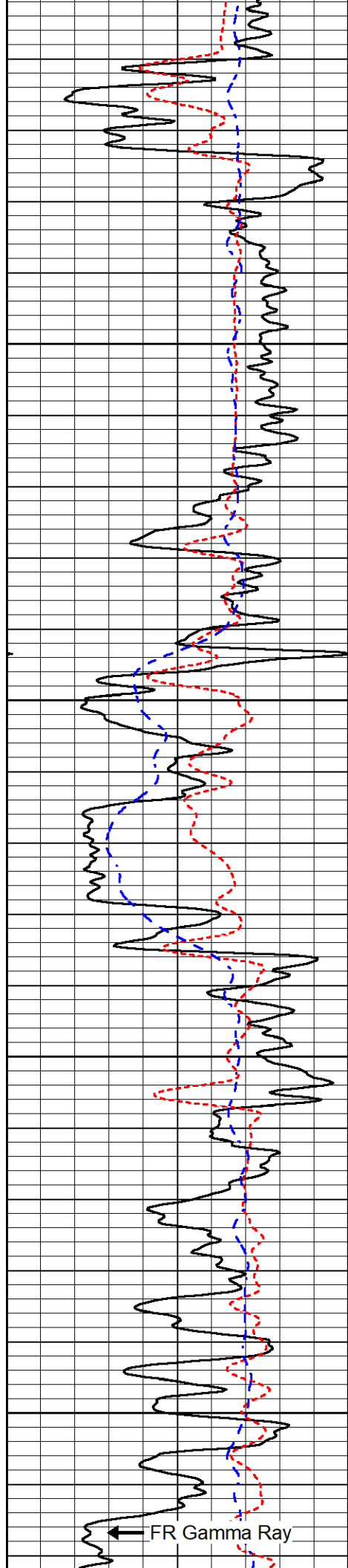
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5350





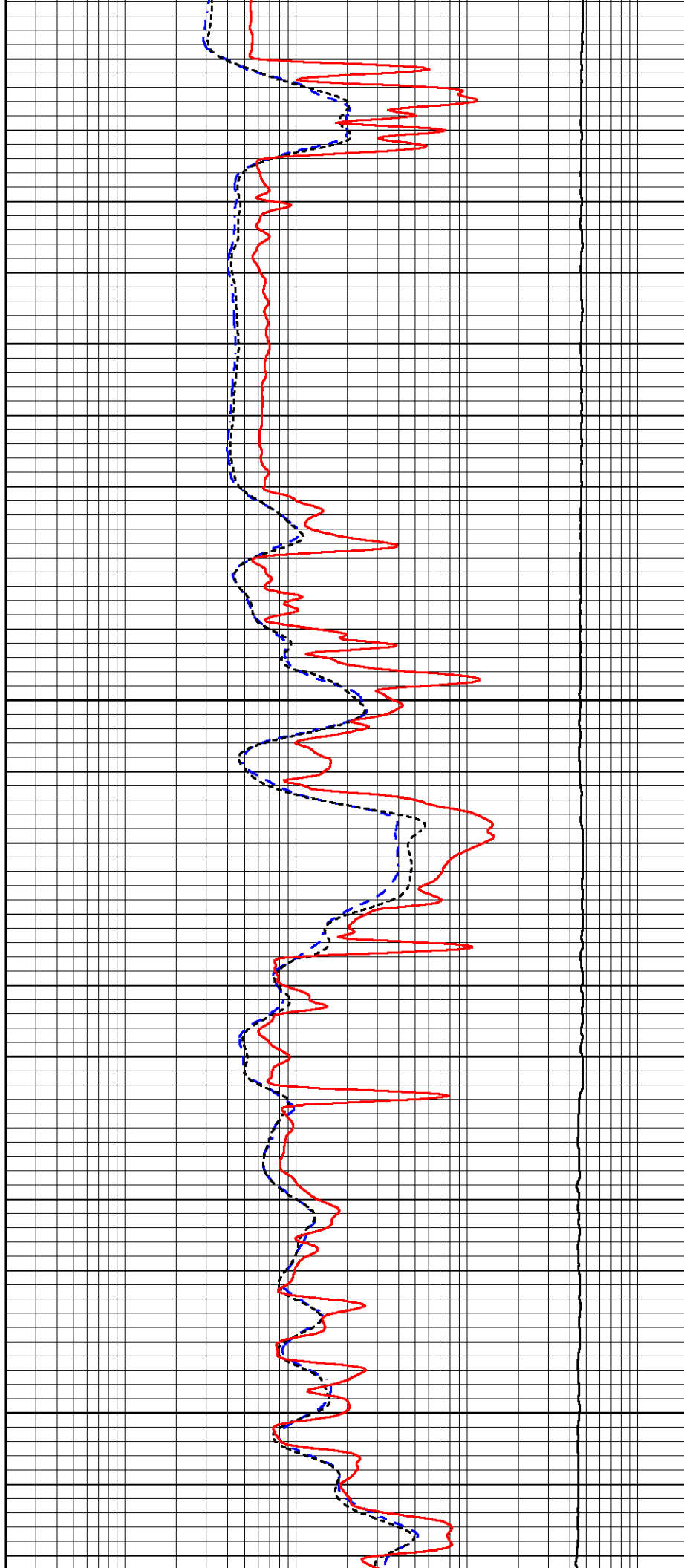
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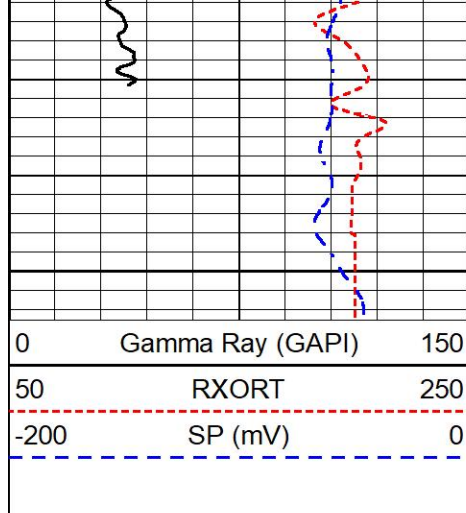
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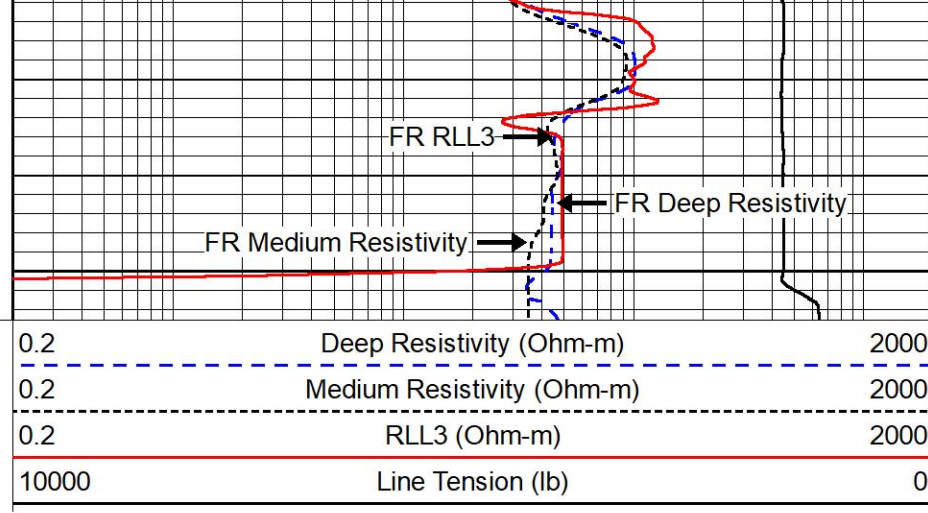
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FR Gamma Ray





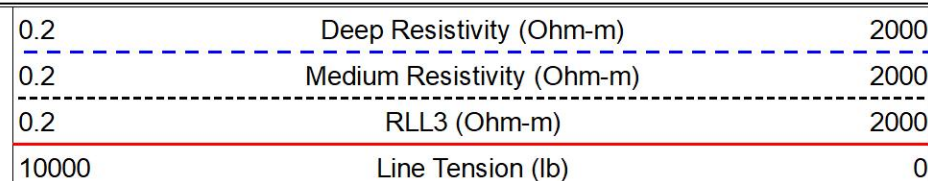
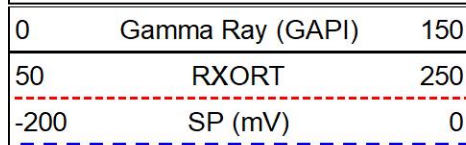
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REPEAT SECTION

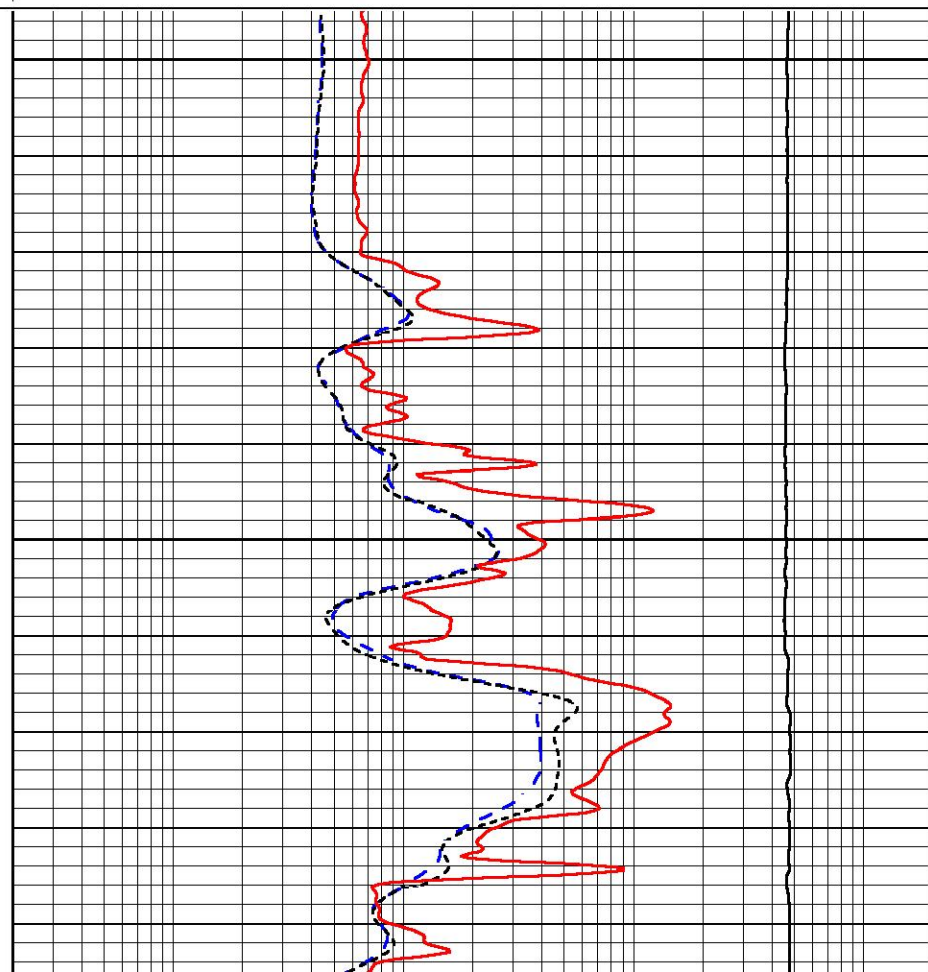
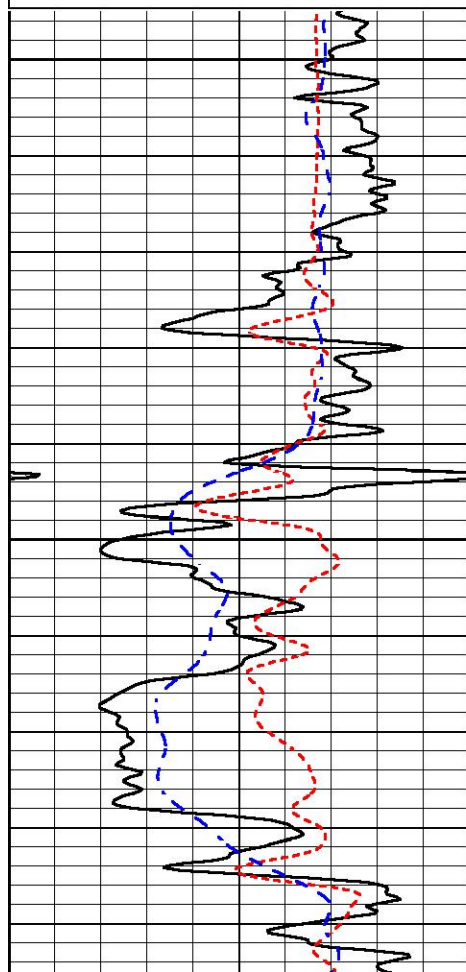
REPEAT PASS

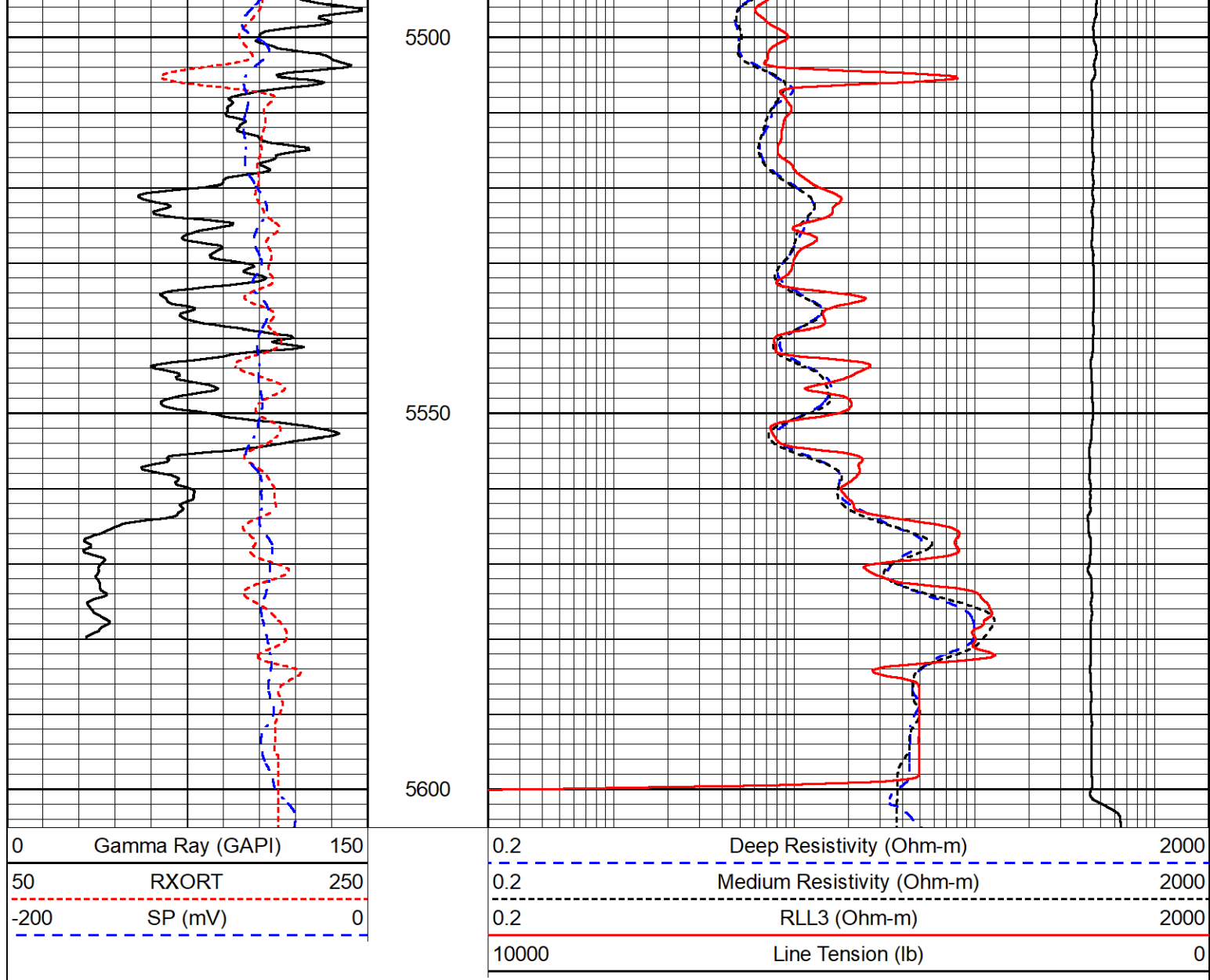
Database File berexco_arnold unit 16-1.db
 Dataset Pathname stack/pass2.1
 Presentation Format _dil
 Dataset Creation Wed Jul 08 01:14:30 2026
 Charted by Depth in Feet scaled 1:240



5400

5450





Source:

	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	56	59	219	268	24	71	46	1	cps
LS:	78	88	333	431	50	131	87	4	cps
Aluminum:									
SS:	1019	1215	2861	2617	50	77	49	3	cps
LS:	1263	2145	3830	1712	72	136	59	4	cps
Magnesium:									
SS:	1699	1990	4685	3819	56	78	46	4	cps
LS:	4984	8437	15068	6103	123	112	86	24	cps
Aluminum+Iron:									
SS:	655	863	2400	2274	45	78	49	3	cps
LS:	711	1512	3267	1588	59	132	86	6	cps

	Density			PE		
	Actual	Calibrated		Actual	Calibrated Quality	
Background:						
SS:						0.213
LS:						0.202
Aluminum:						
SS:	2.6000	2.6000	g/cc			0.219
LS:	2.6000	2.6000	g/cc			0.395
Magnesium:						
SS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.255
LS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.131
Aluminum+Iron:						
SS:					6.1800	0.229
LS:					6.1800	0.212

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	0.2
Large Ring:	17.5 in	0.8
Gain:	18.284	
Offset:	0.150	

Compensated Neutron Calibration Report

Serial Number: 210
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: 105
Tool Model: M&W
Performed: Tue Aug 26 12:59:12 2025

Calibrator Value: 500.0 GAPI

Background Reading: 24.0 cps
Calibrator Reading: 637.0 cps

Sensitivity: 0.6000 GAPI/cps



Company	Berexco LLC
Well	Arnold Unit #16-1
Field	Arroyo Northeast
County	Stanton
State	Kansas