



MIDWEST WIRELINE

DUAL INDUCTION LOG

Company Berexco, LLC			
Well	Anderson #2-28		
Field	Amazon Ditch East		
County	Finney		
State	Kansas		
Location: API #: 15-055-22617-00-00			
2146 FNL & 868 FEL			
SEC 28 TWP 22S RGE 34W	CNL/CDL MEL/BHCS		
Permanent Datum	Ground Level	Elevation	2946
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Date		9/12/2024	
Run Number	One		
Depth Driller	4900		
Depth Logger	4897		
Bottom Logged Interval	4896		
Top Log Interval	1650		
Casing Driller	8.625 @ 1686		
Casing Logger	1700		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1030		
Density / Viscosity	9.2	89	
pH / Fluid Loss	9.5	8.4	
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.92 @ 86		
Rmt @ Meas. Temp	0.69 @ 86		
Rmc @ Meas. Temp	1.24 @ 86		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.63 @ 125		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	125		
Equipment Number	110		
Location	HAYS		
Recorded By	D. Schmidt		
Witnessed By	Pete Vollmer		

<<< 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.

Scott City,
South On Hwy 83 to W Barlow Rd,
West to N Big Low Rd, 1 South, 3 West, 1/4 South,
West 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: Pete Vollmer
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\berexco_anderson 2-28.db
Dataset field/well/stkml/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	125	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		4	-1	155	90		4897



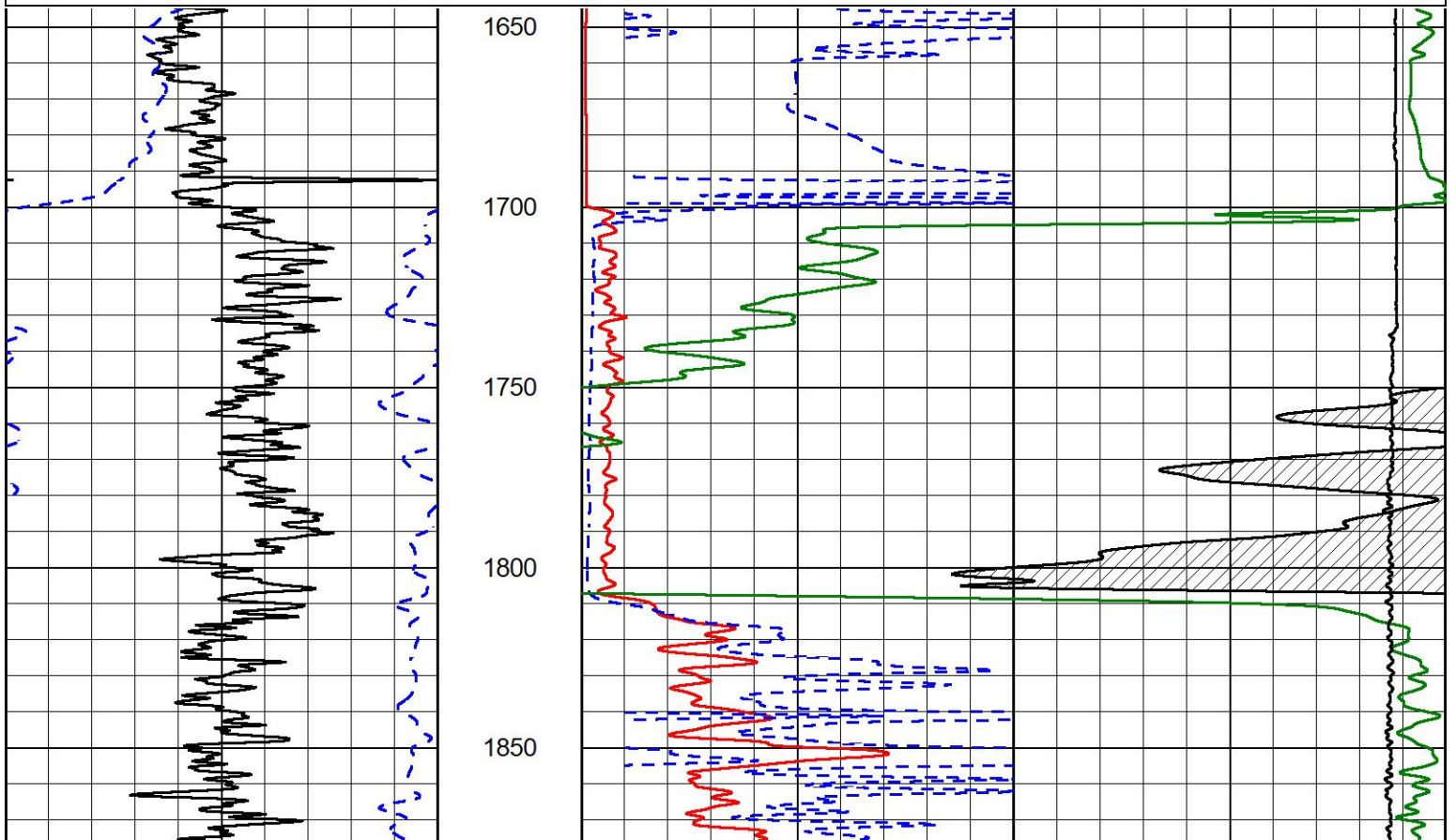
MIDWEST WIRELINE

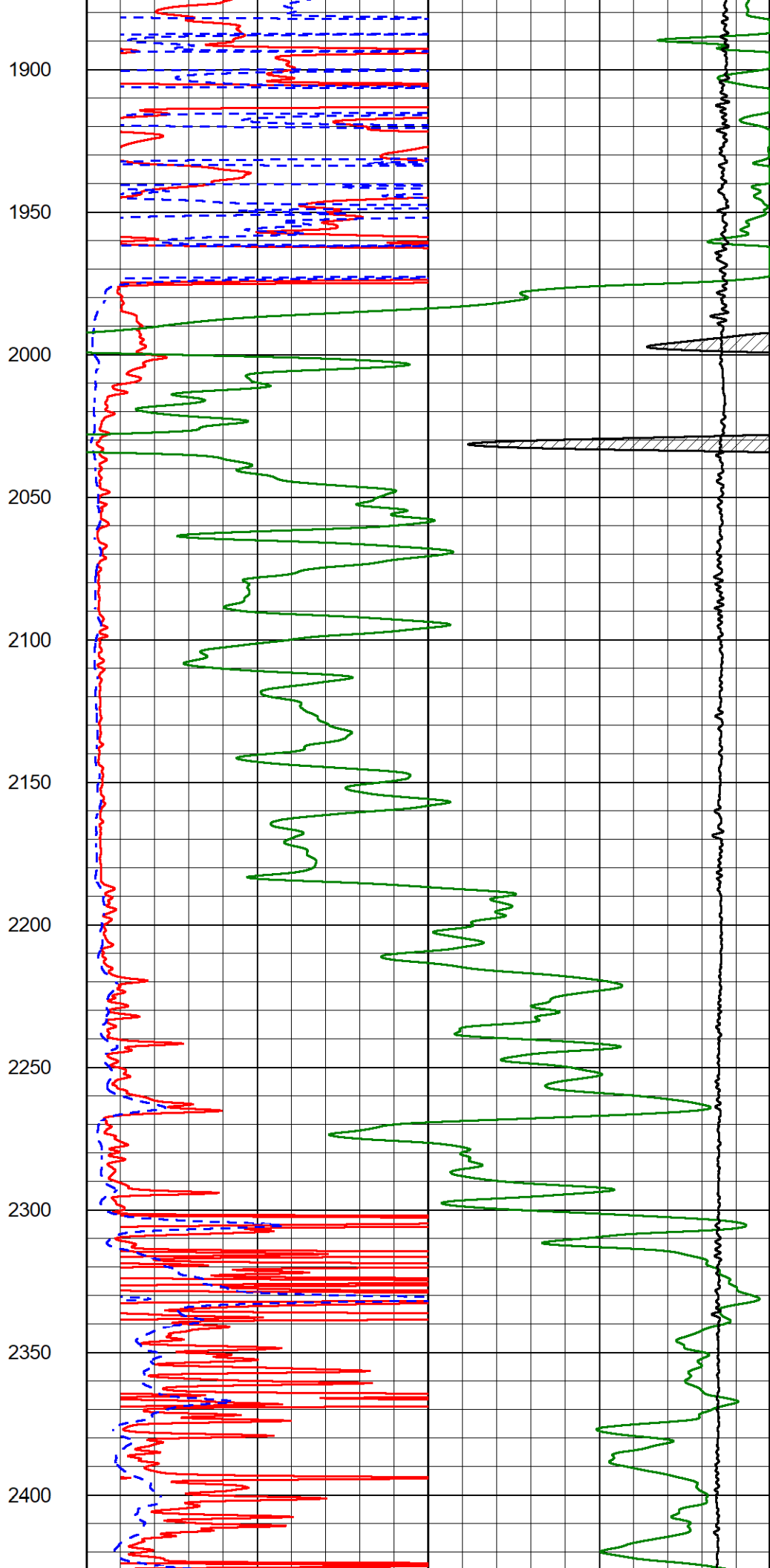
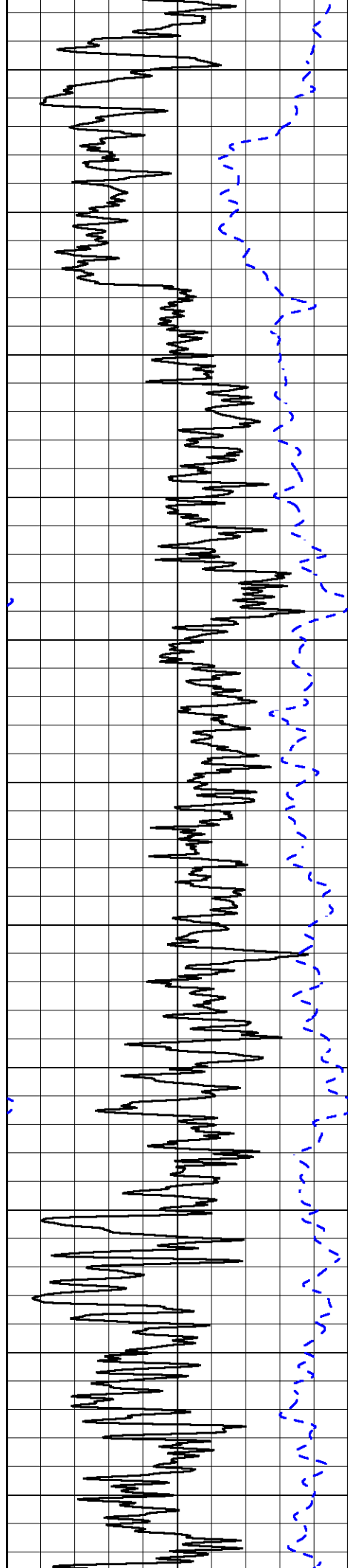
2" SCALE RESISTIVITY

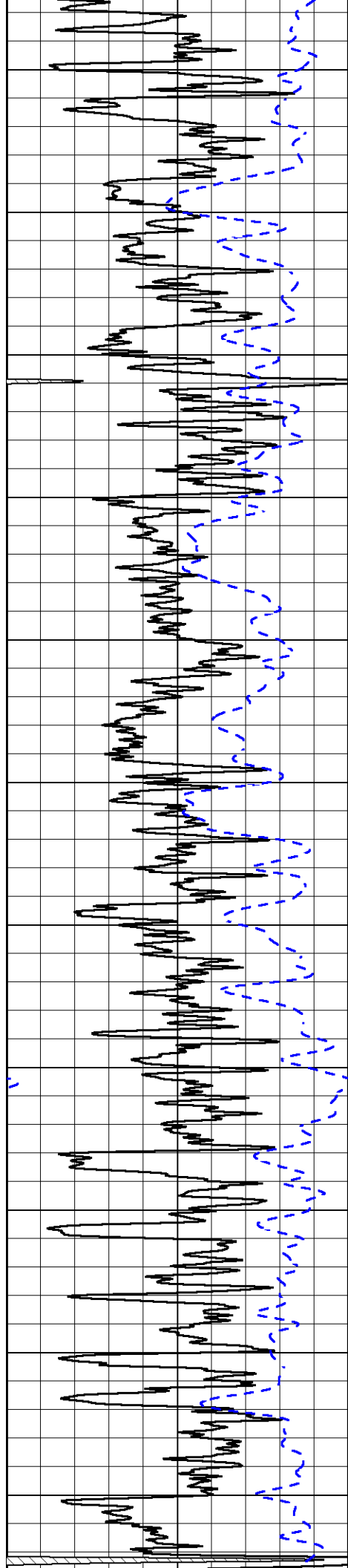
MAIN PASS

Database File berexco_anderson 2-28.db
Dataset Pathname stkml/pass3.3
Presentation Format _dil2in
Dataset Creation Thu Sep 12 22:02:02 2024
Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	1000	Conductivity (mmho/m)	0
-200	SP (mV)	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







2450

2500

2550

2600

2650

2700

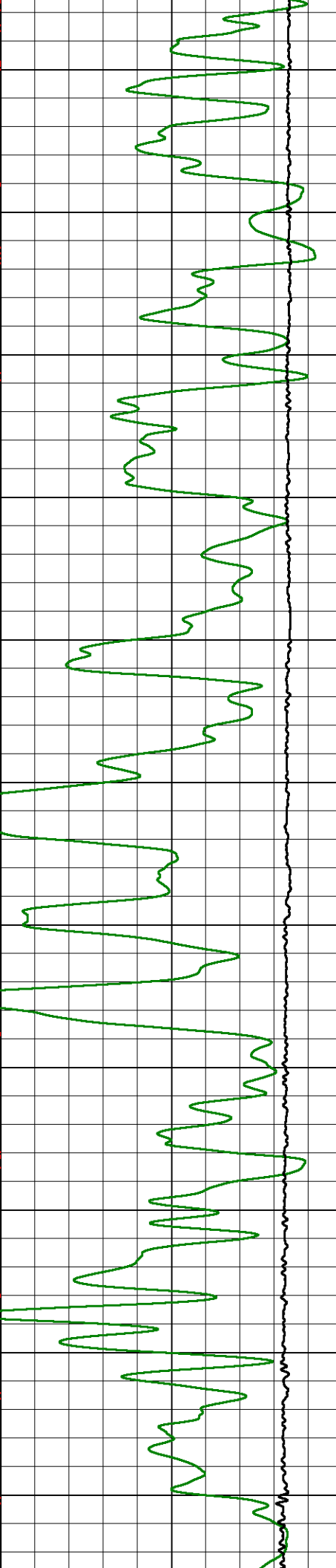
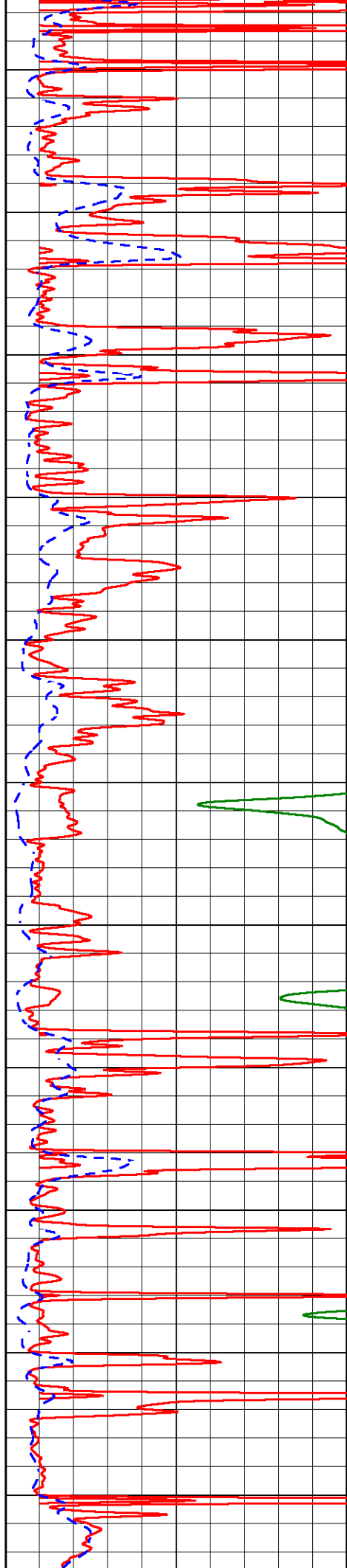
2750

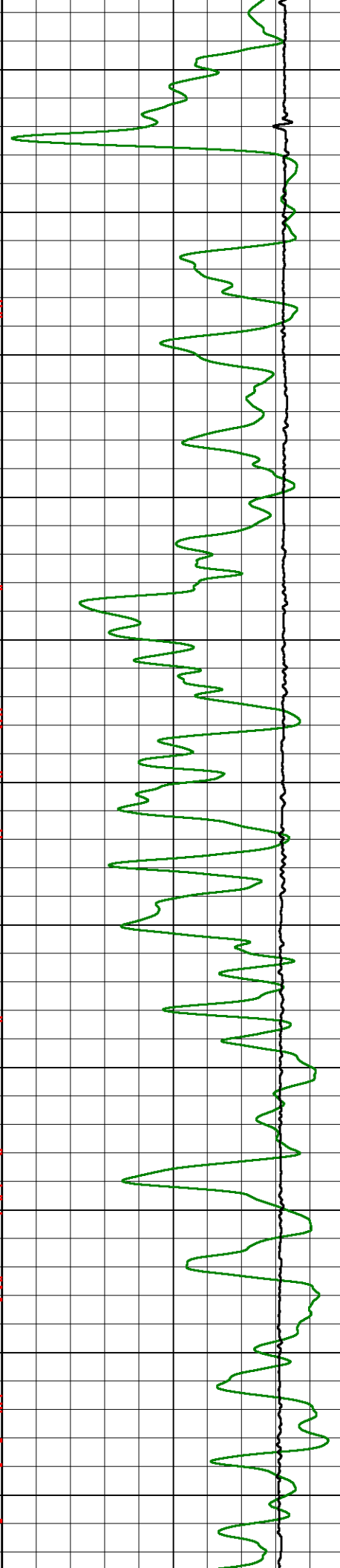
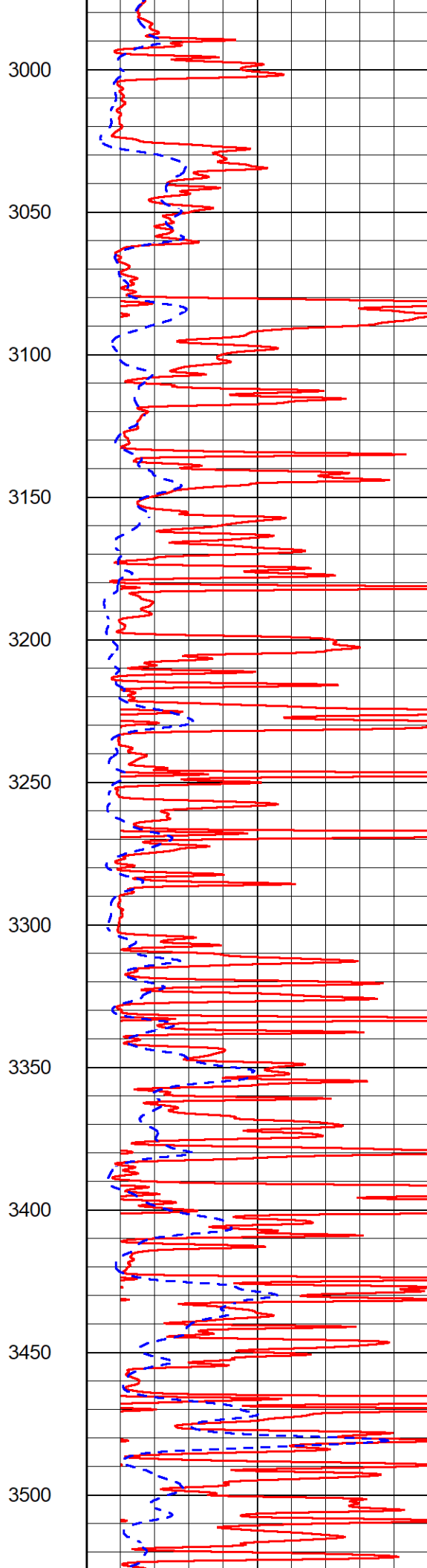
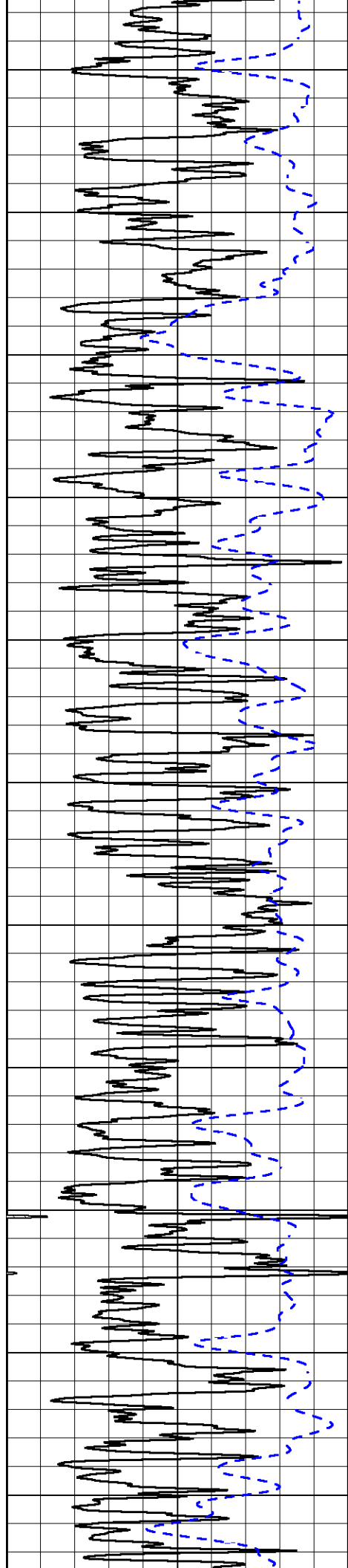
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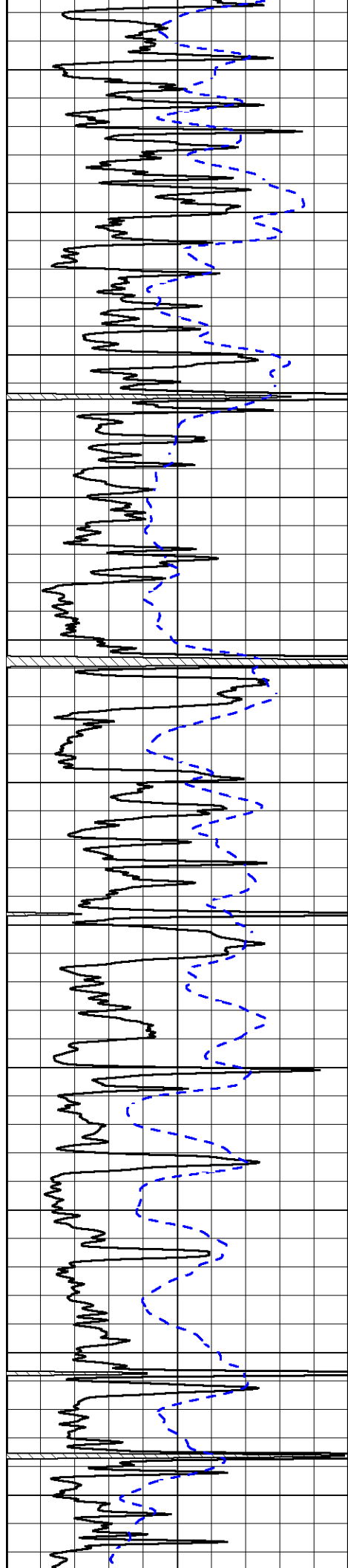
2850

2900

2950







3550

3600

3650

3700

3750

3800

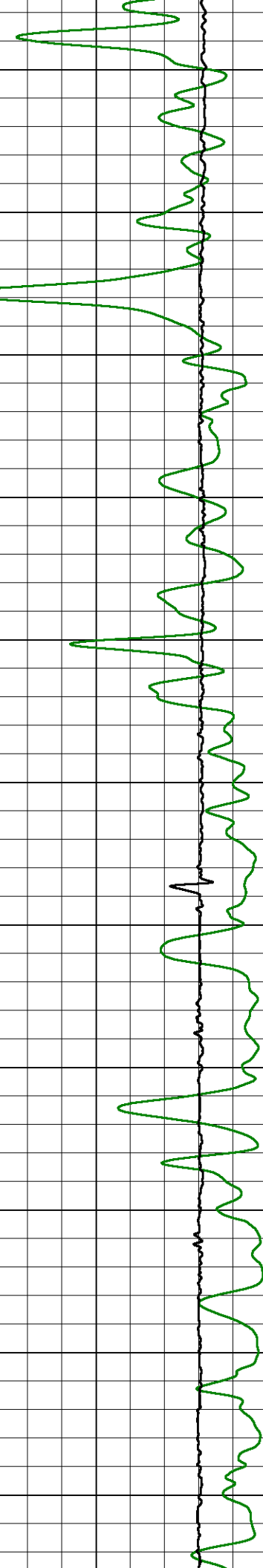
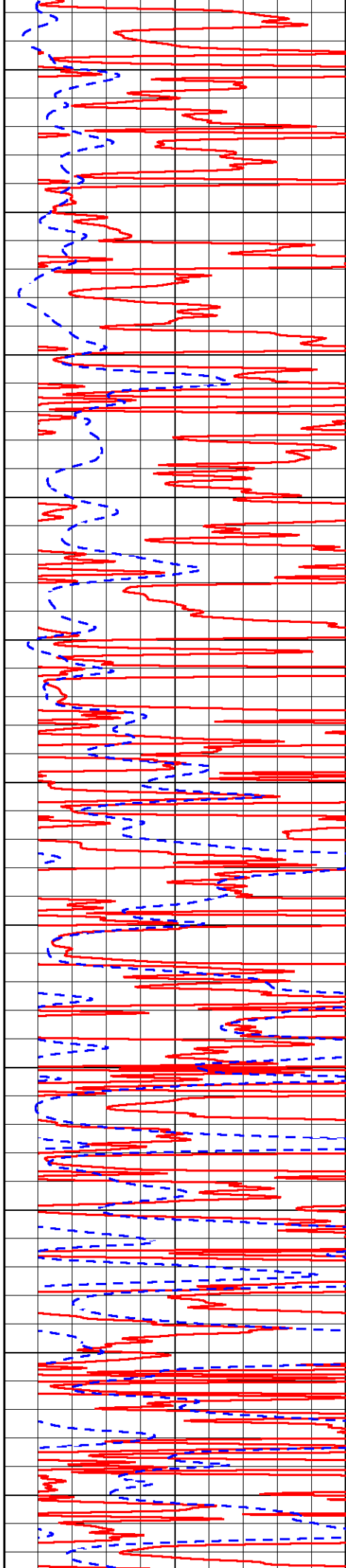
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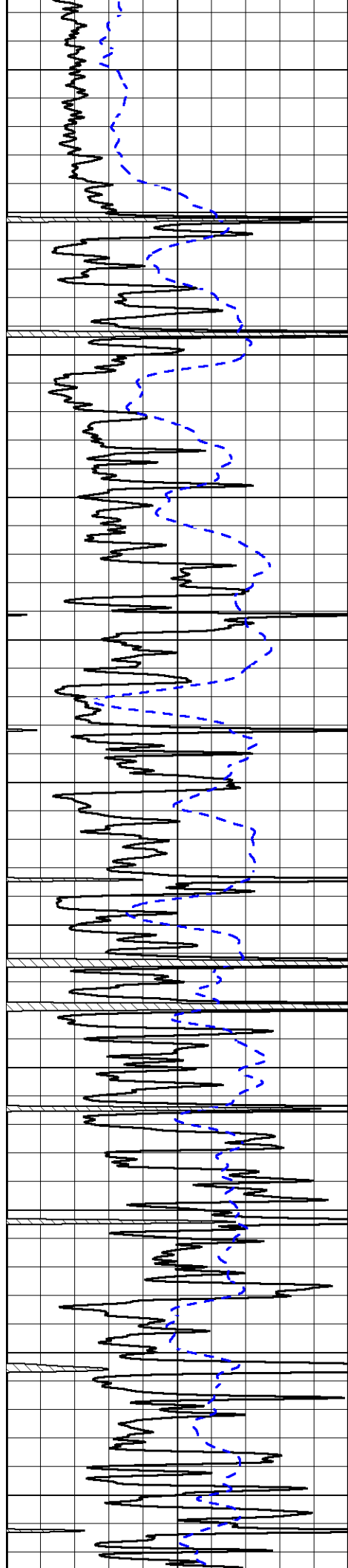
3900

3950

4000

4050





4100

4150

4200

4250

4300

4350

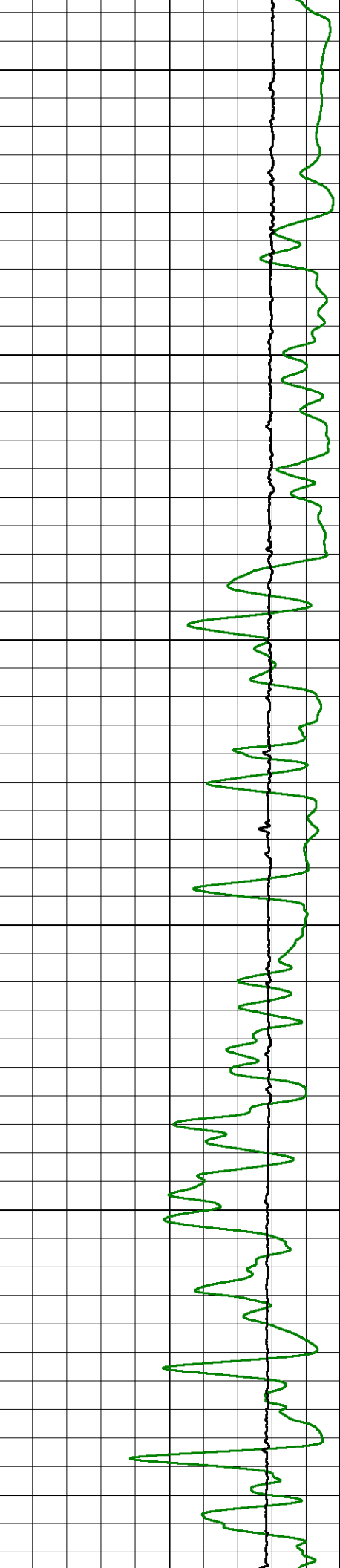
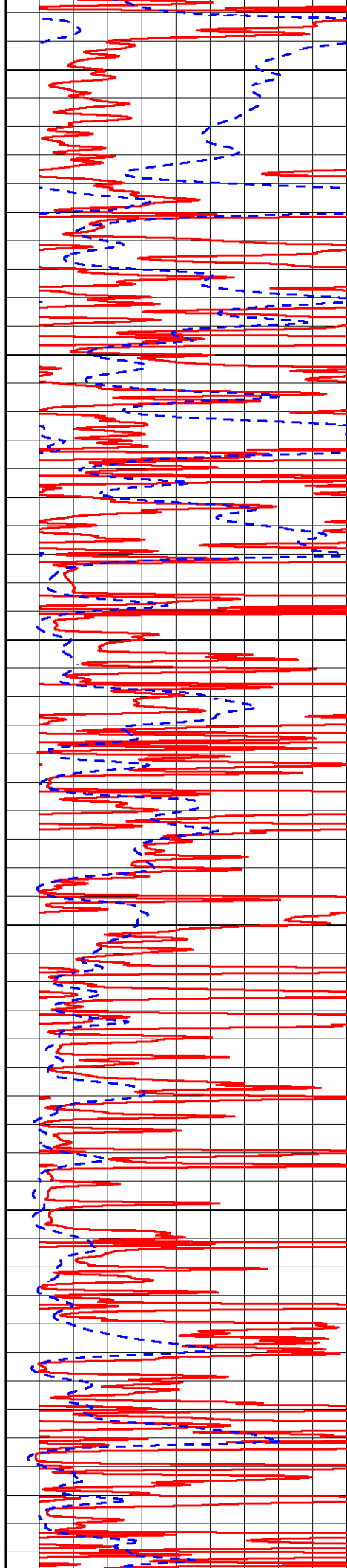
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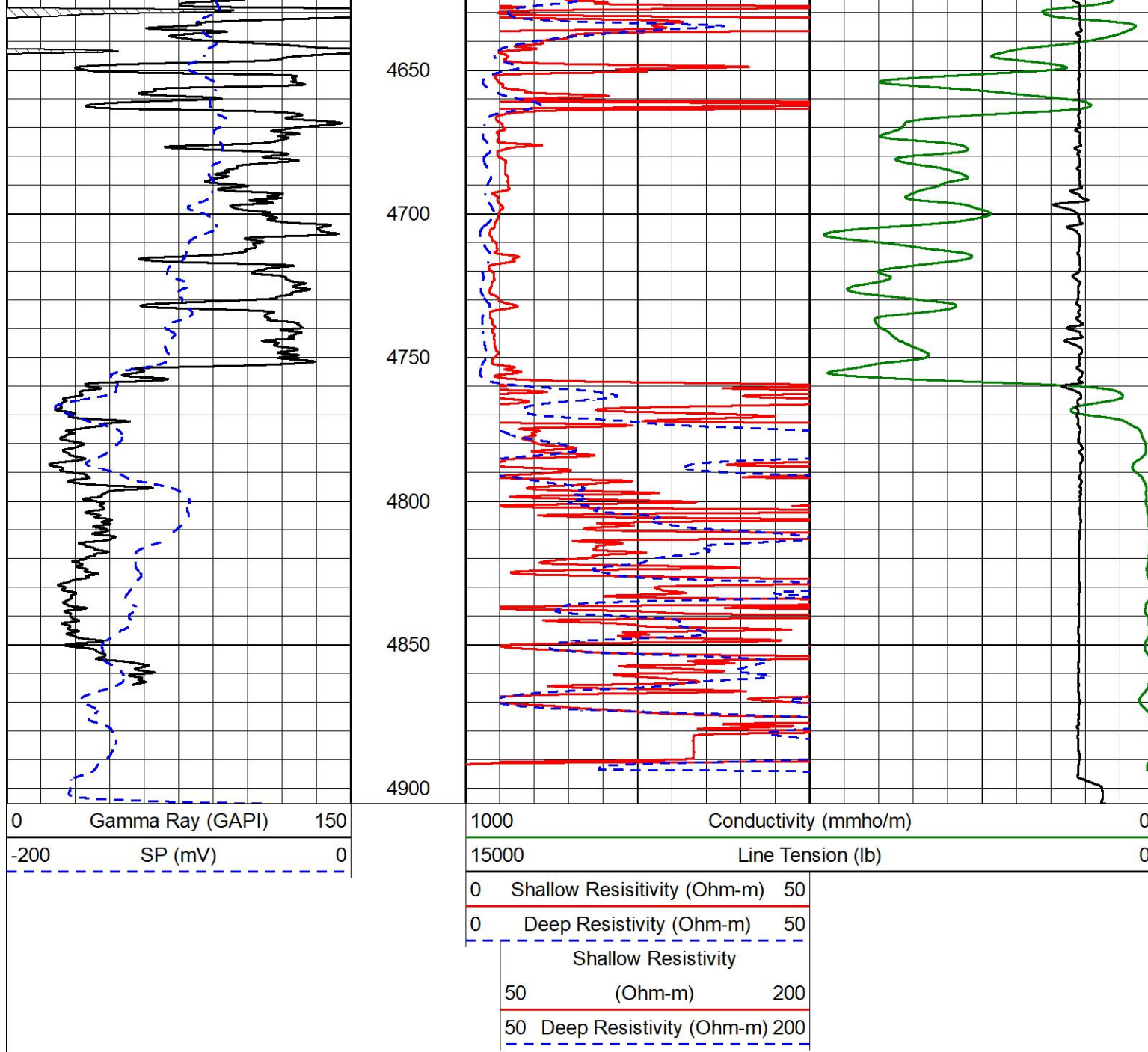
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4500

4550

4600



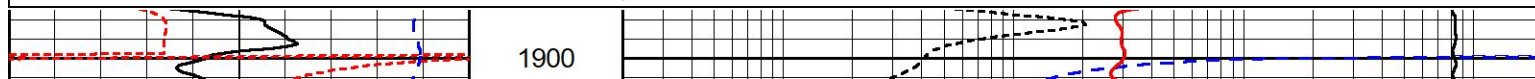
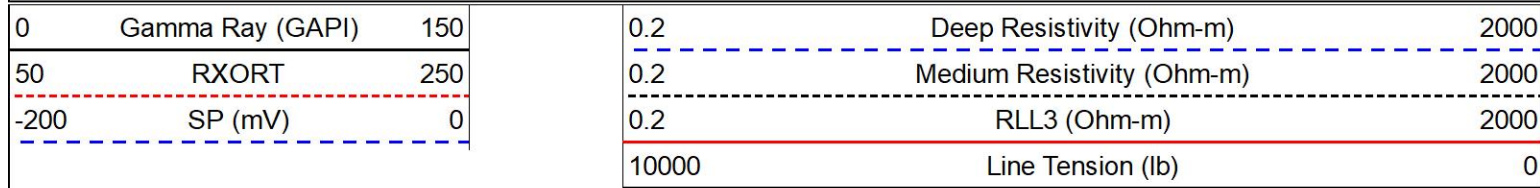


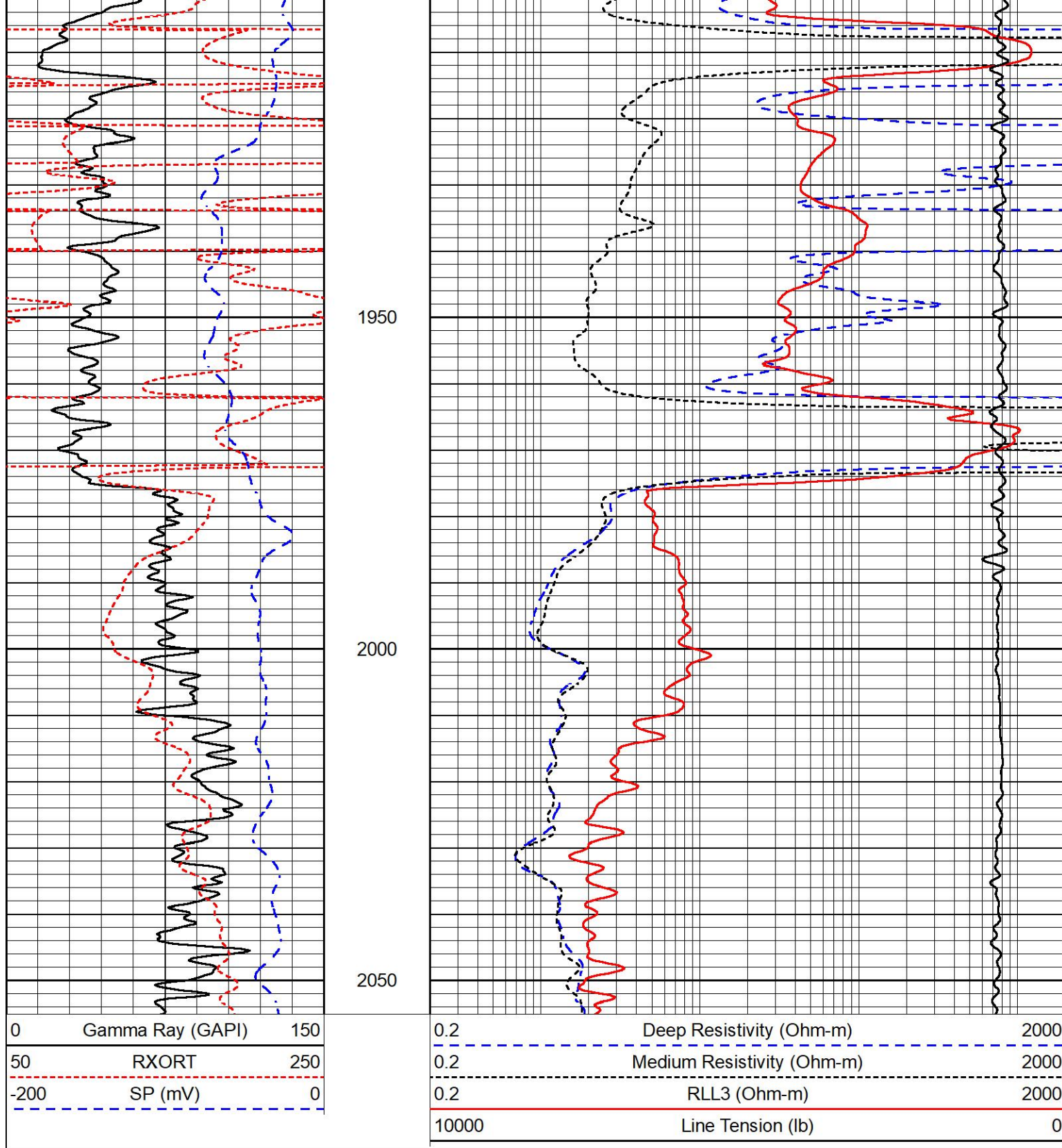
MIDWEST WIRELINE

ANHYDRITE SECTION

MAIN PASS

Database File berexco_anderson 2-28.db
Dataset Pathname stkml/pass3.4
Presentation Format _dil
Dataset Creation Thu Sep 12 22:03:22 2024
Charted by Depth in Feet scaled 1:240





MIDWEST WIRELINE

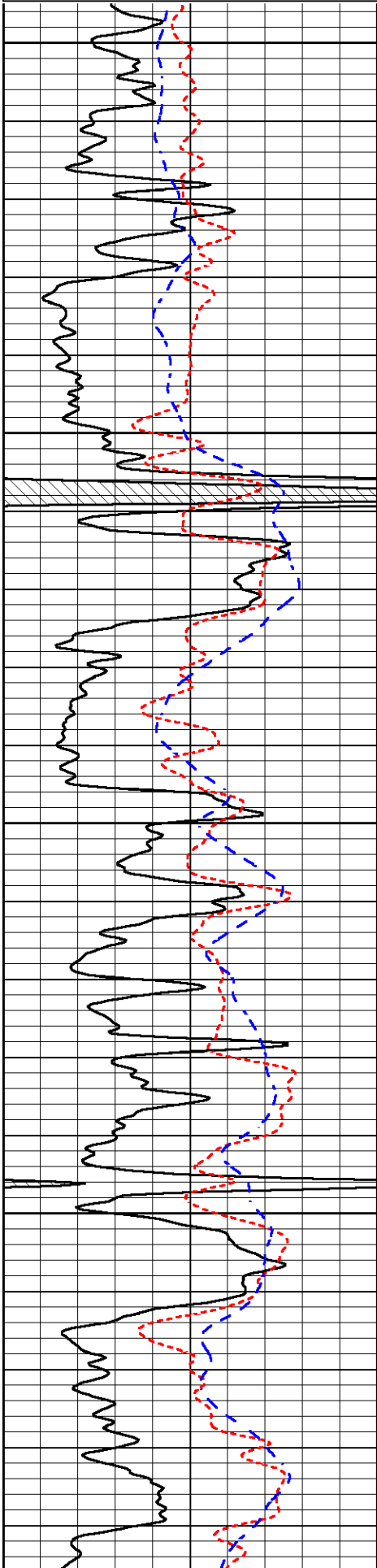
DETAIL SECTION

MAIN PASS

Database File berexco_anderson 2-28.db
Dataset Pathname stkml/pass3.1
Presentation Format _dil
Dataset Creation Thu Sep 12 21:58:43 2024
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

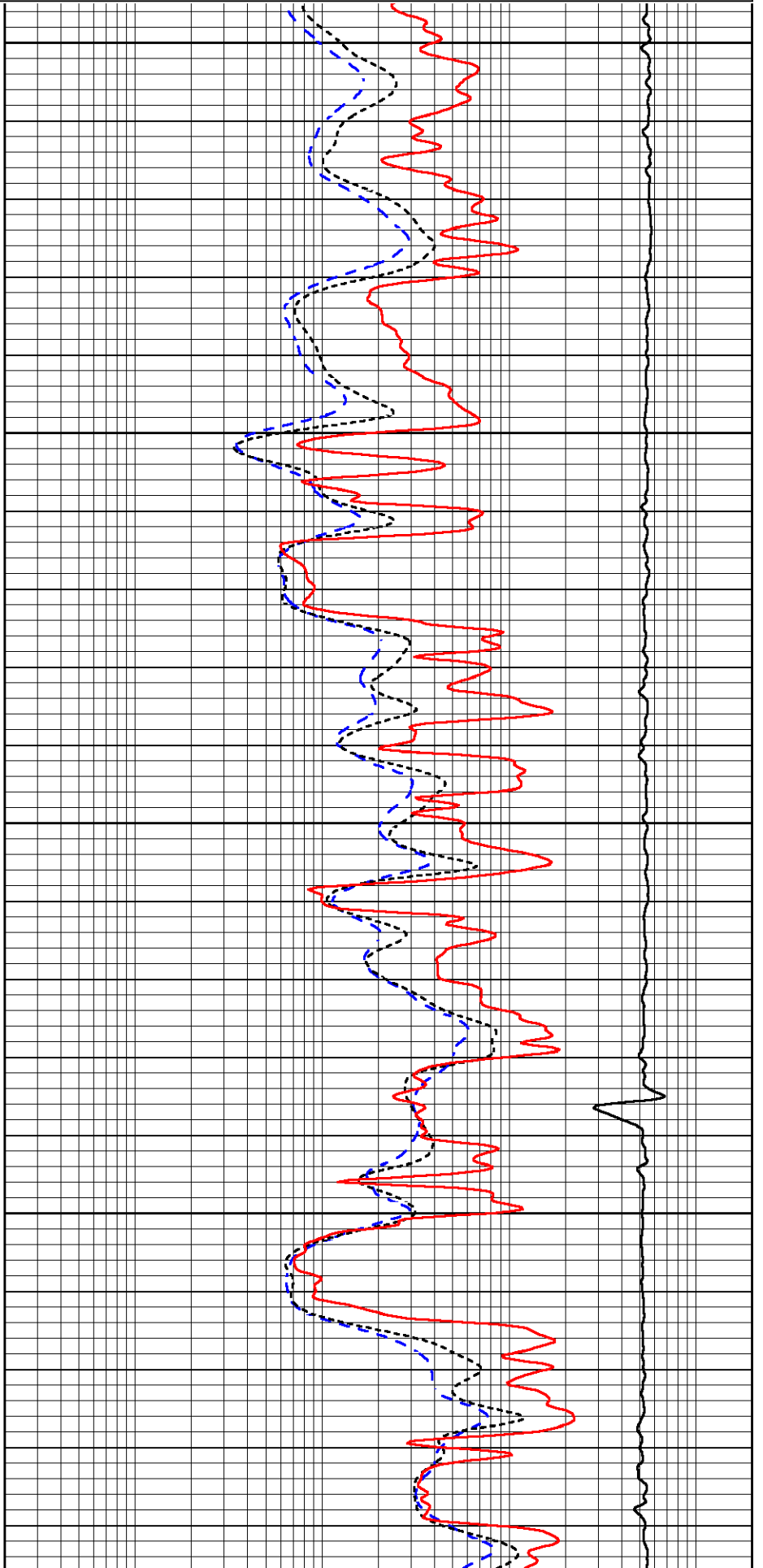


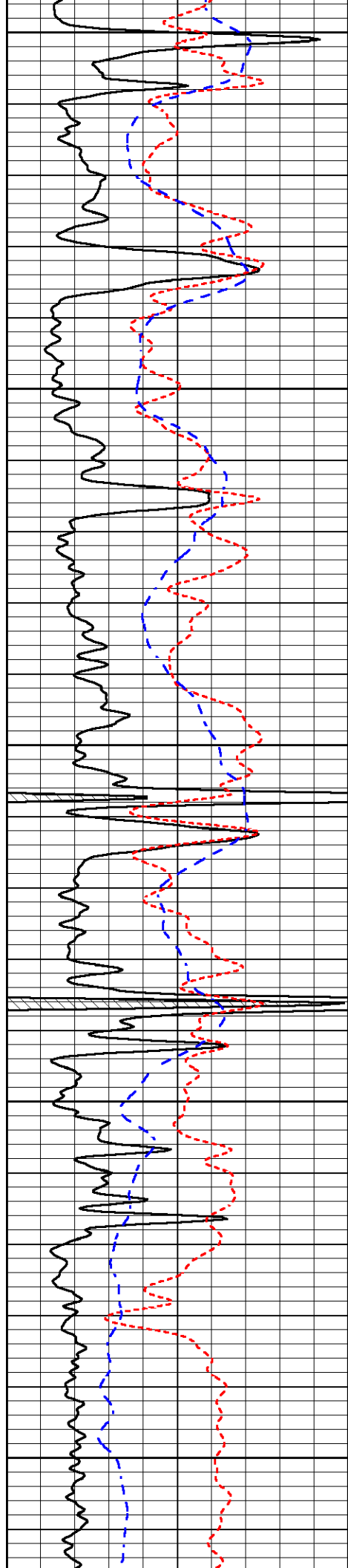
3700

3750

3800

3850





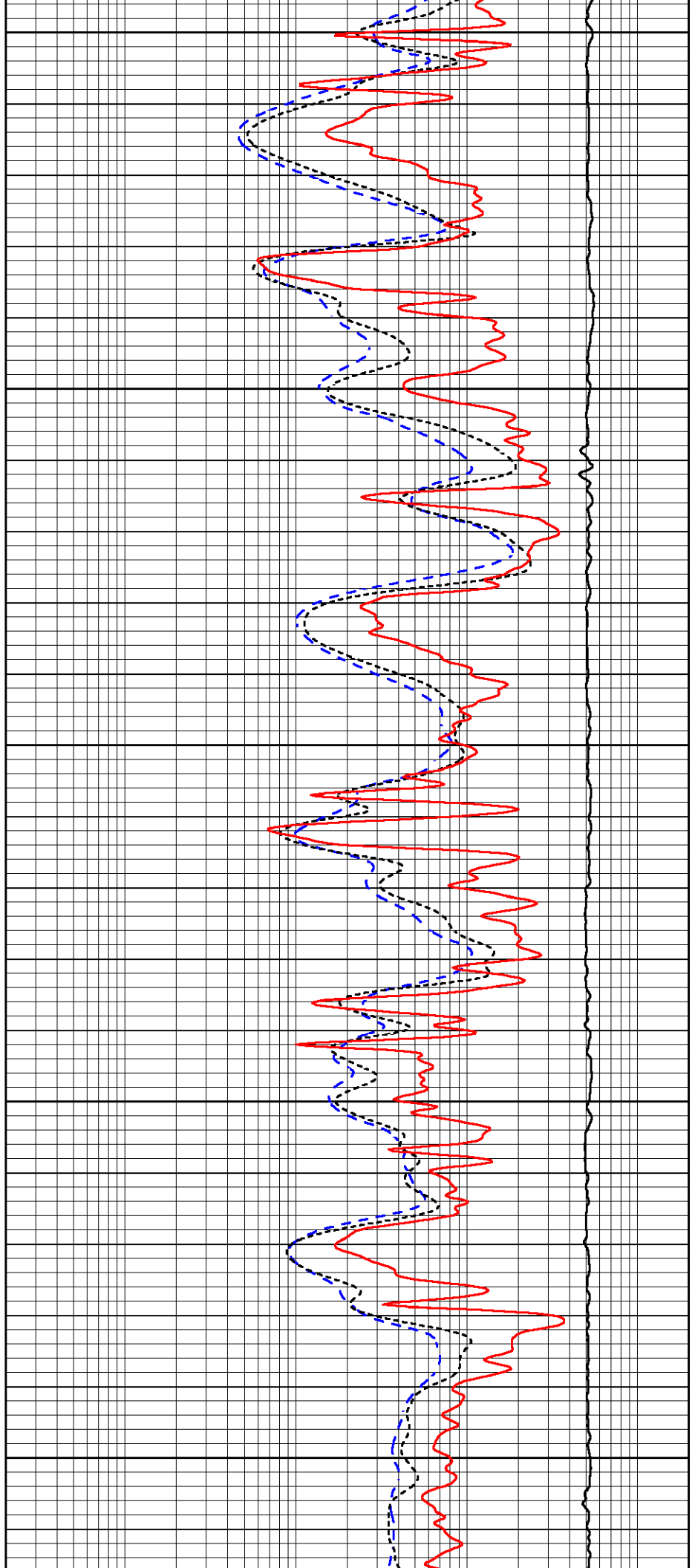
3900

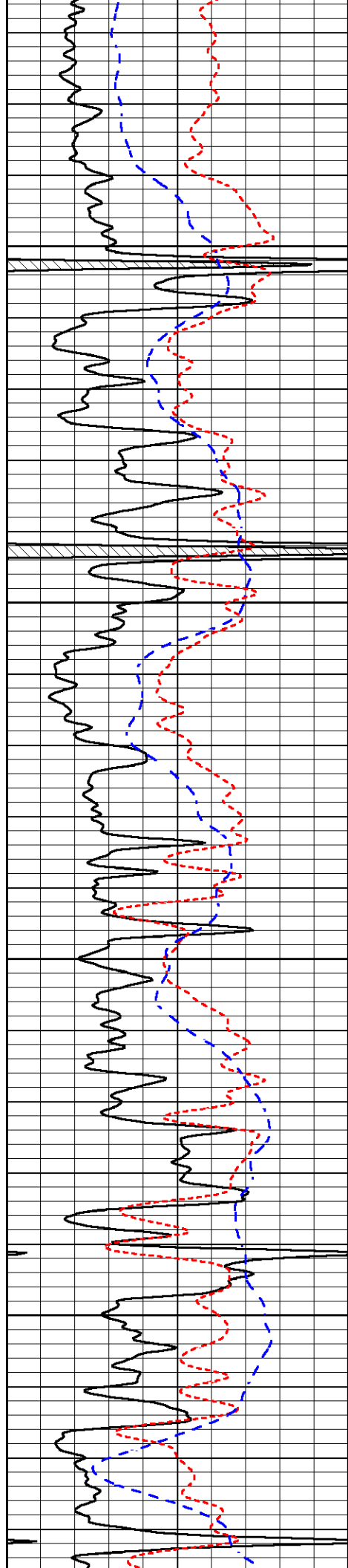
3950

4000

4050

4100



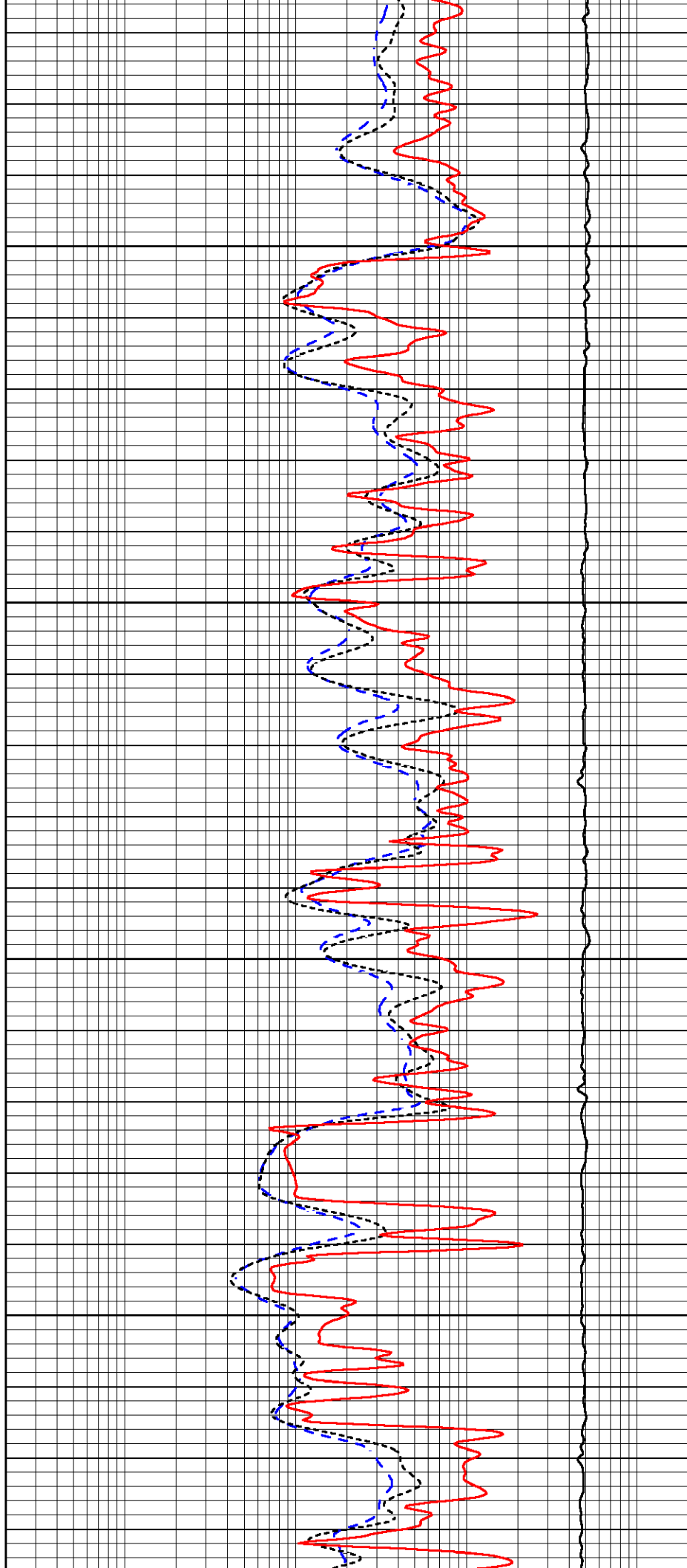


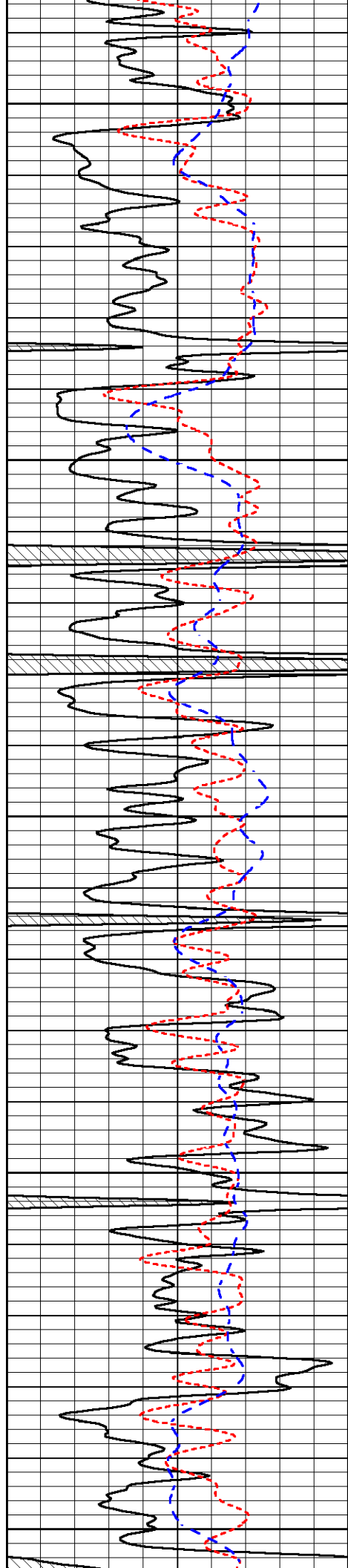
4150

4200

4250

4300





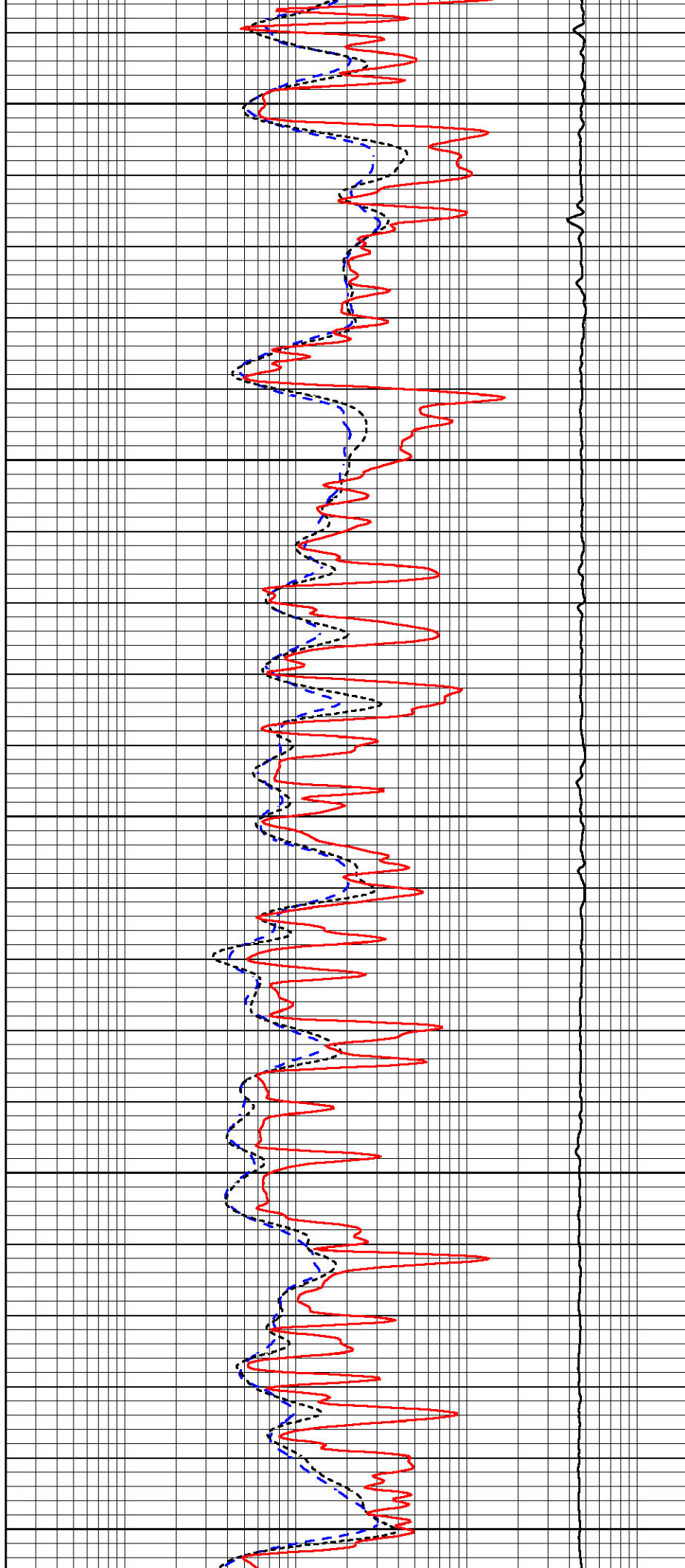
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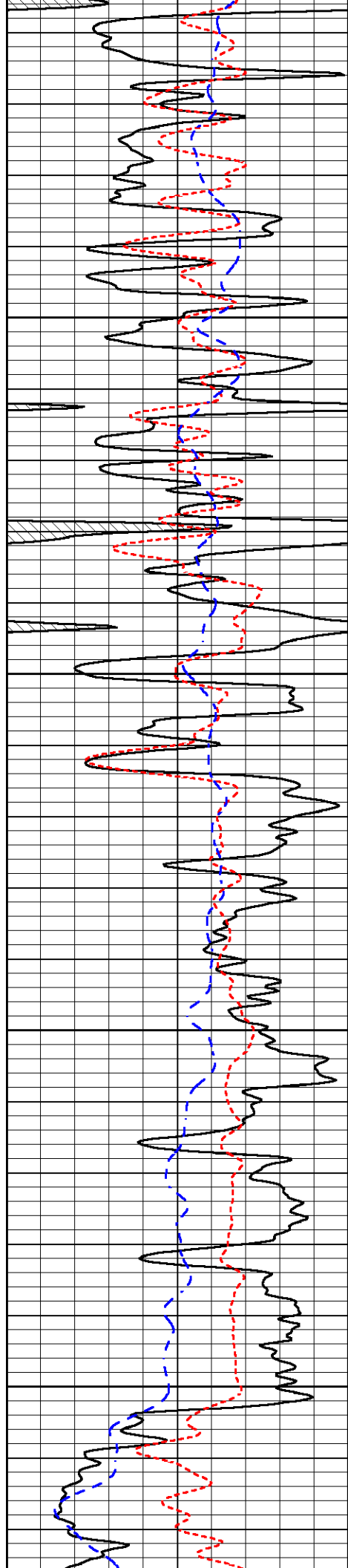
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4450

4500

4550



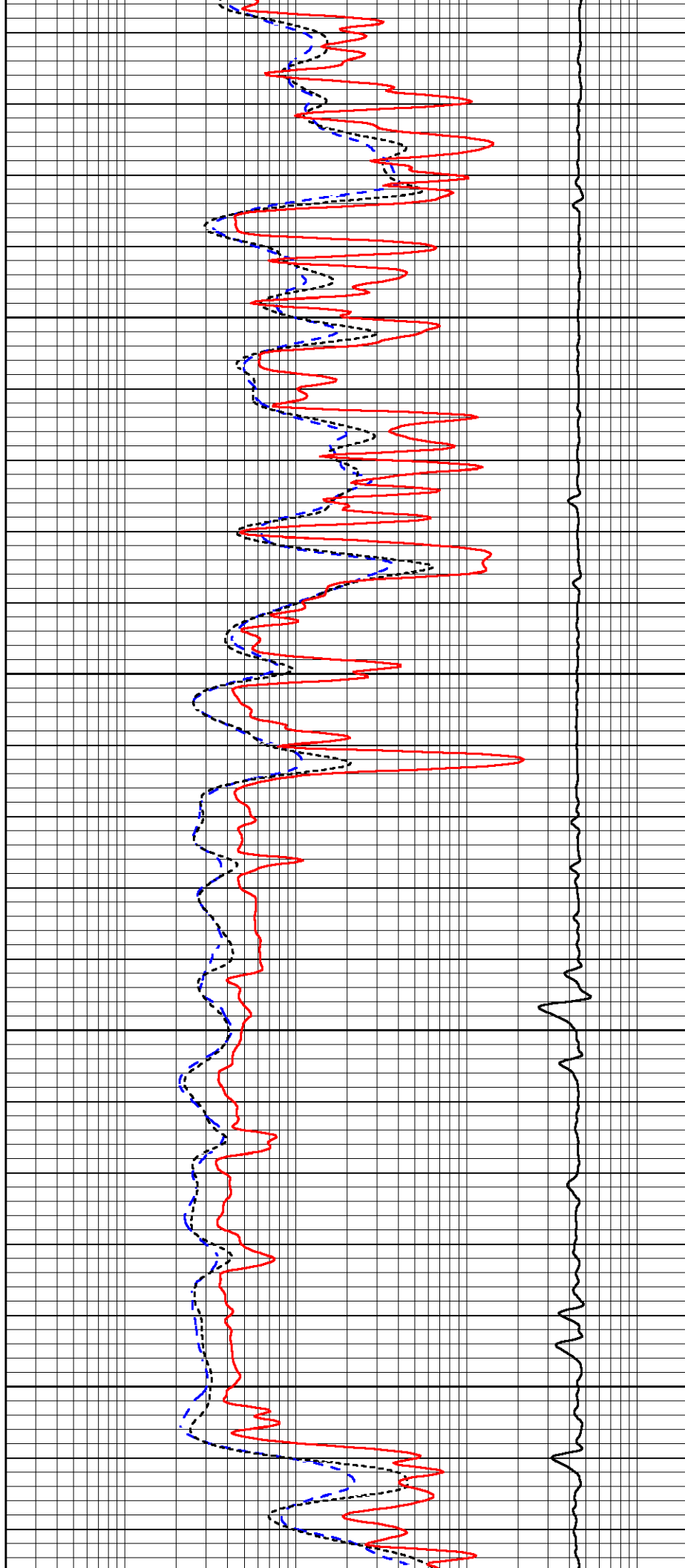


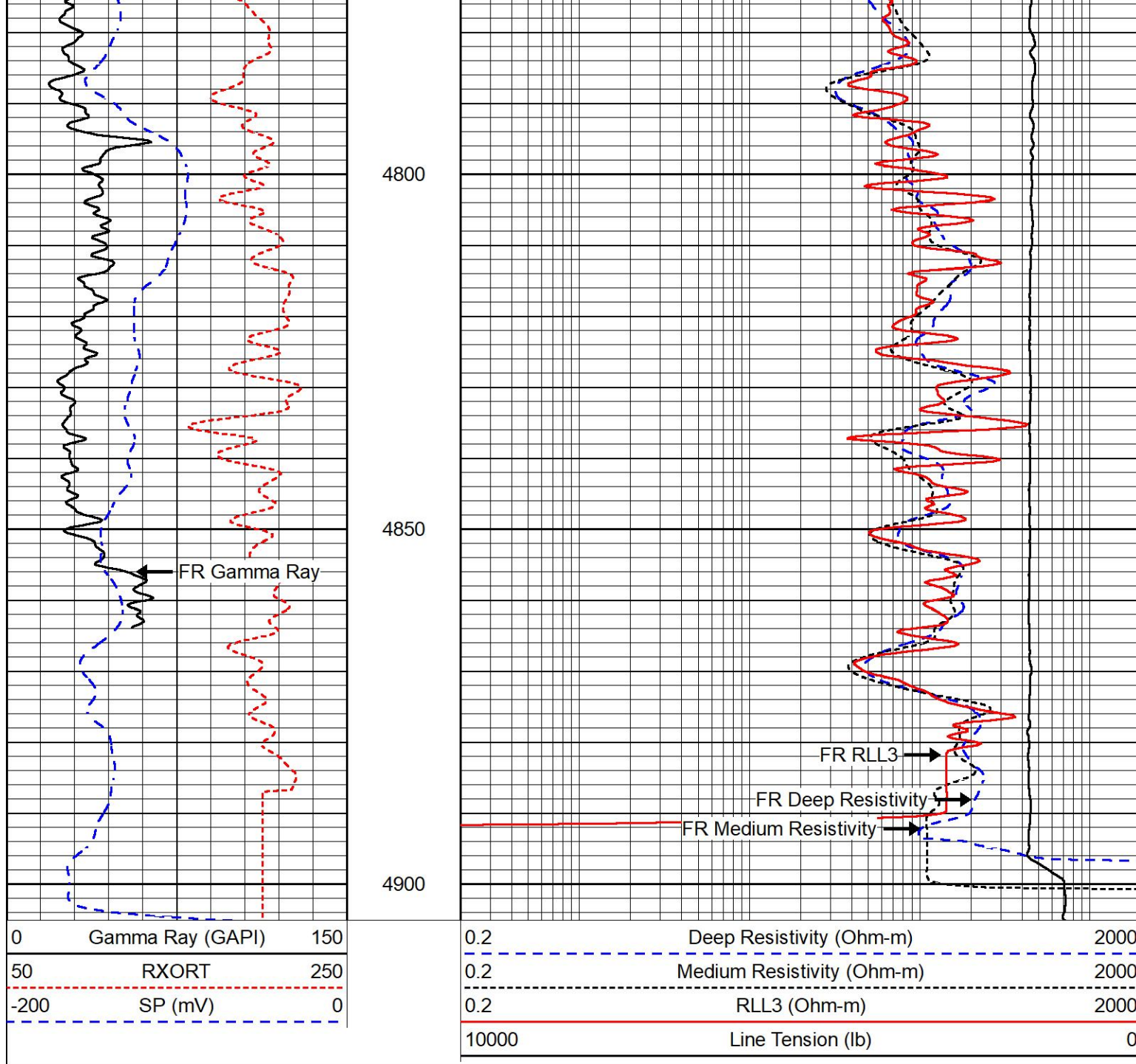
4600

4650

4700

4750

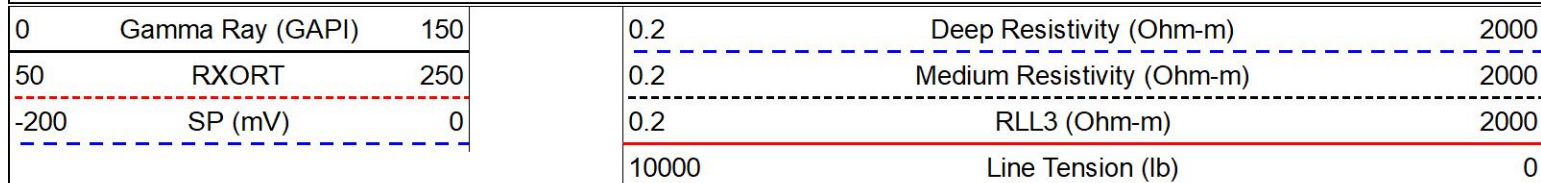


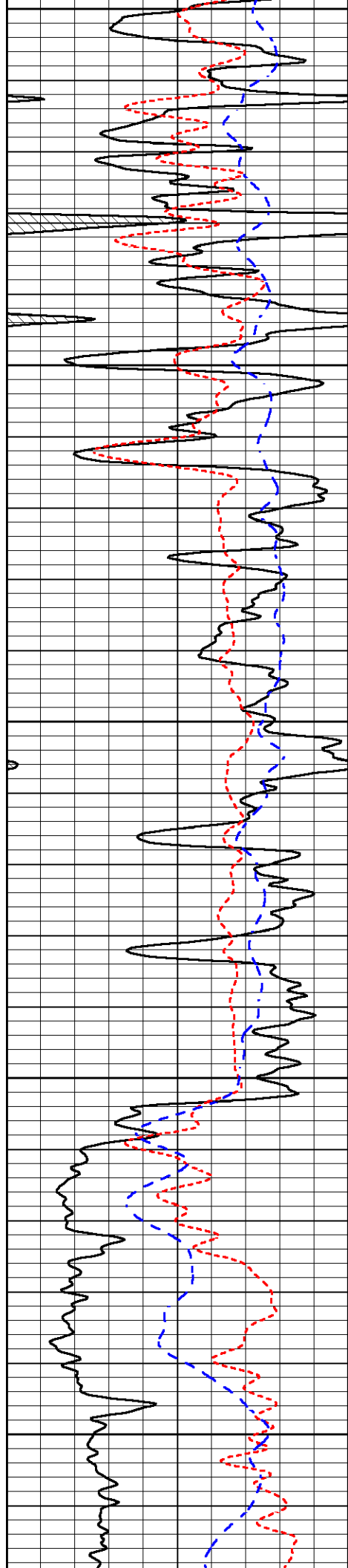


REPEAT SECTION

REPEAT PASS

Database File berexco_anderson 2-28.db
 Dataset Pathname stkml/pass2.1
 Presentation Format _dil
 Dataset Creation Thu Sep 12 21:43:50 2024
 Charted by Depth in Feet scaled 1:240





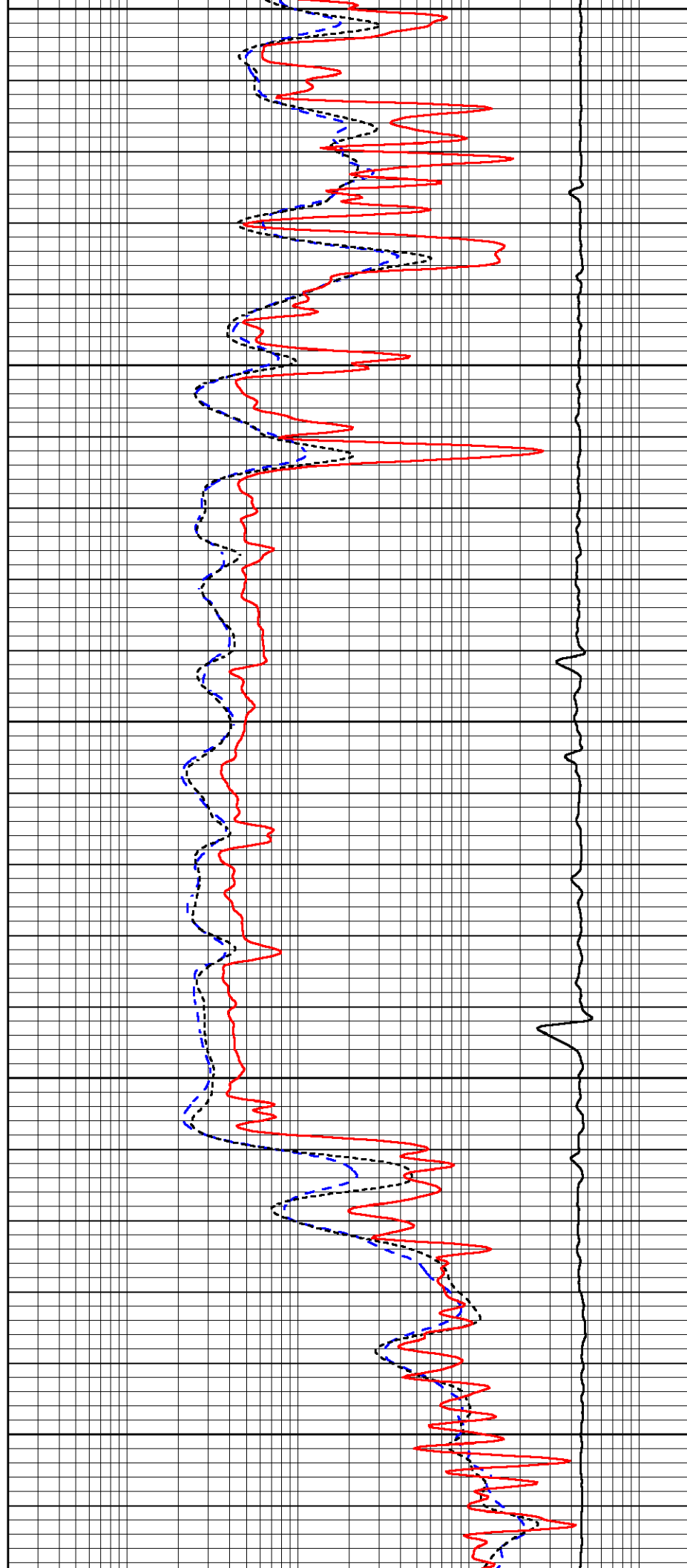
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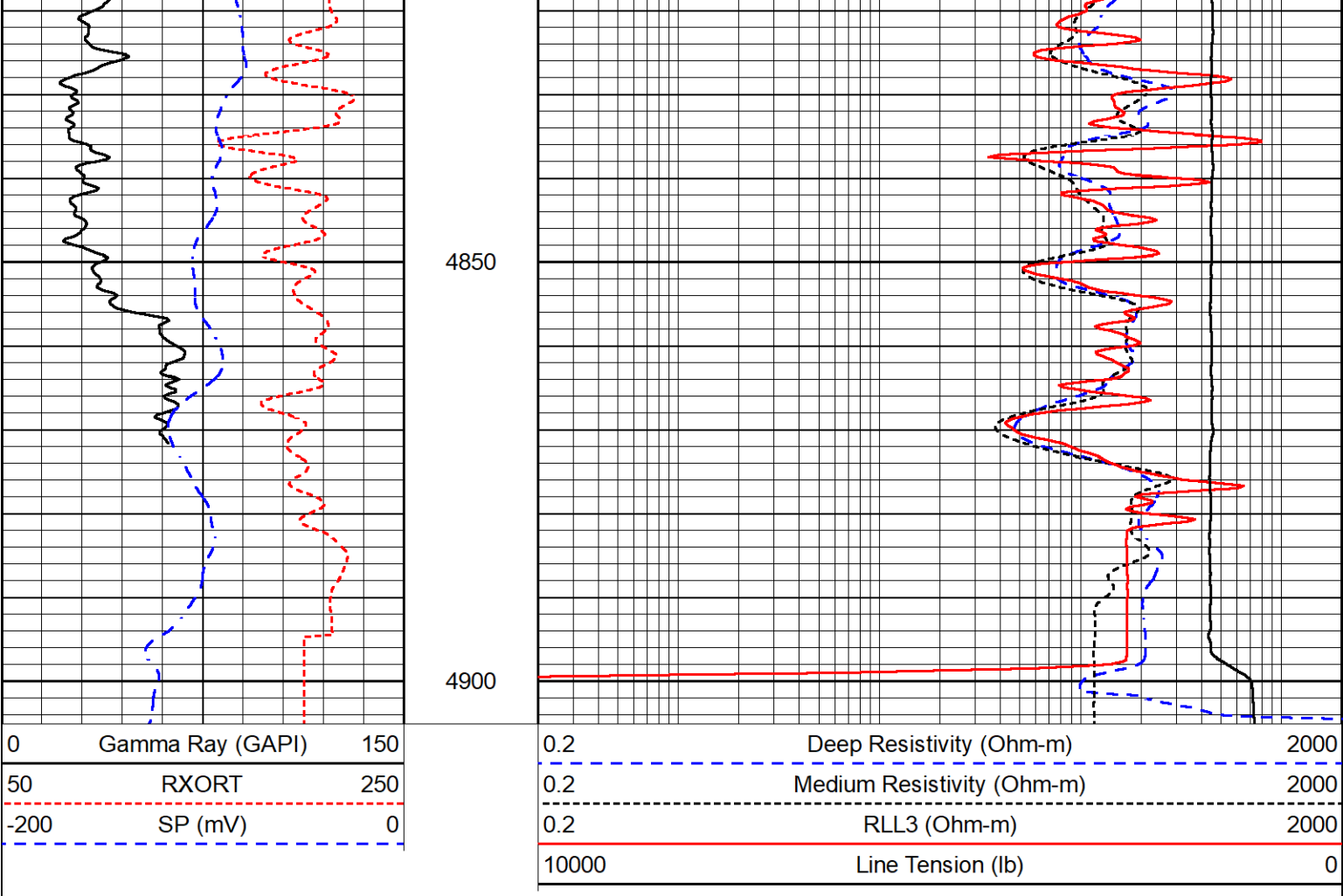
4650

4700

4750

4800





Calibration Report							
Database File	berexco_anderson 2-28.db						
Dataset Pathname	stkml/pass3.1						
Dataset Creation	Thu Sep 12 21:58:43 2024						
Dual Induction Calibration Report							
Serial-Model:				508A-M&W			
Surface Cal Performed:				Thu Aug 29 21:13:42 2024			
Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	84.200	428.150	0.000	255.800	mmho/m	0.485	-50.000
Medium	141.000	670.654	0.000	255.800	mmho/m	0.410	-43.500
Microlog Calibration Report							
Serial-Model:				402-PSI STKBL ML			
Performed:				Thu May 30 05:58:00 2024			
	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	6500.0000	-0.2000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	6500.0000	0.0000
Caliper	1.0046	1.1419	5.5000	20.0000	in	50.0000	-44.5500

Serial Number:	703-03								
Tool Model:	STEP LITHO Short								
Performed:	Fri May 31 13:59:15 2024								
Source:									
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	56	59	223	276	25	75	46	1	cps
LS:	83	90	344	441	51	132	90	3	cps
Aluminum:									
SS:	1063	1260	2893	2631	48	80	48	3	cps
LS:	1179	2084	3854	1823	62	133	86	5	cps
Magnesium:									
SS:	1756	2035	4740	3894	55	79	49	4	cps
LS:	4981	8390	15059	6054	115	127	85	14	cps
Aluminum+Iron:									
SS:	676	887	2426	2310	45	79	52	2	cps
LS:	700	1495	3280	1630	60	131	90	5	cps
		Density			PE				
		Actual	Calibrated		Actual	Calibrated	Quality		
Background:									
SS:							0.236		
LS:							0.189		
Aluminum:									
SS:		2.6000	2.6000	g/cc			0.249		
LS:		2.6000	2.6000	g/cc			0.216		
Magnesium:									
SS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.232		
LS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.198		
Aluminum+Iron:									
SS:						6.1800	0.208		
LS:						6.1800	0.188		

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	1.0
Large Ring:	14.0 in	1.0
Gain:	12.765	
Offset:	2.050	

Compensated Neutron Calibration Report
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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:	Sat Oct 21 23:48:19 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	627.0	cps

Calibrator Reading.	637.0	cps
Sensitivity:	0.6000	GAPI/cps



MIDWEST WIRELINE

Company	Berexco, LLC
Well	Anderson #2-28
Field	Amazon Ditch East
County	Finney
State	Kansas