MIDWEST WIRELINE

DUAL INDUCTION LOG

Company Ressler Well Service, Inc.
Well Myers #12
Field Burrton
County Reno
State Kansas

Company Ressler Well Service, Inc.
Well Myers #12
Field Burrton
County Reno State Kansas
Location: API # : 15-155-21800-00-00
495 FNL & 1650 FWL
SEC 12 TWP 23S RGE 4W

Other Services: CNL/CDL

Permanent Datum: Ground Level — Elevation 1472
Log Measured From: Kelly Bushing
Drilling Measured From: Kelly Bushing

Elevation: K.B. 1484, D.F., G.L. 1472

Date	5/17/2024		
Run Number	One		
Depth Driller	3520		
Depth Logger	3520		
Bottom Logged Interval	3519		
Top Log Interval	300		
Casing Driller	13.375 @ 305		
Casing Logger	311		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	1800		
Density / Viscosity	9.4 / 69		
pH / Fluid Loss	9.0 / 7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.80 @ 72		
Rmf @ Meas. Temp	0.60 @ 72		
Rmc @ Meas. Temp	1.08 @ 72		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	0.52 @ 111		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	111		
Equipment Number	110		
Location	HAYS		
Recorded By	D. Schmidt		
Witnessed By	Larry Ressler		

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Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Burrton,
West to Rayl Rd,
3 South, 1/2 West, South then West into

Log Measured From: Kelly Bushing 12 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: D. Schmidt	Primary Witness: Larry Ressler
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
GR	32.75		GR-M&W (105)	3.00	3.50	50.00
CNLSC	29.65		CNT-M&W (210)	5.00	3.50	100.00
CNSSC	28.90					
			CDL-M&W (303-03)	8.50	4.00	250.00
LSD	20.60					
DCAL	20.58					
SSD	20.10					
RLL3F	15.50					
RLL3	15.50					
			DIL-M&W (504 HT)	18.25	3.50	220.00
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: ressler_meyers 12.db: field/well/stack/pass3.12
Total length: 34.75 ft
Total weight: 620.00 lb
O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\ressler_meyers 12.db
Dataset field/well/stack/pass3.12/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	111	5.5	0	1	2	2.71

NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	5	2	94	80	Off	3520

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

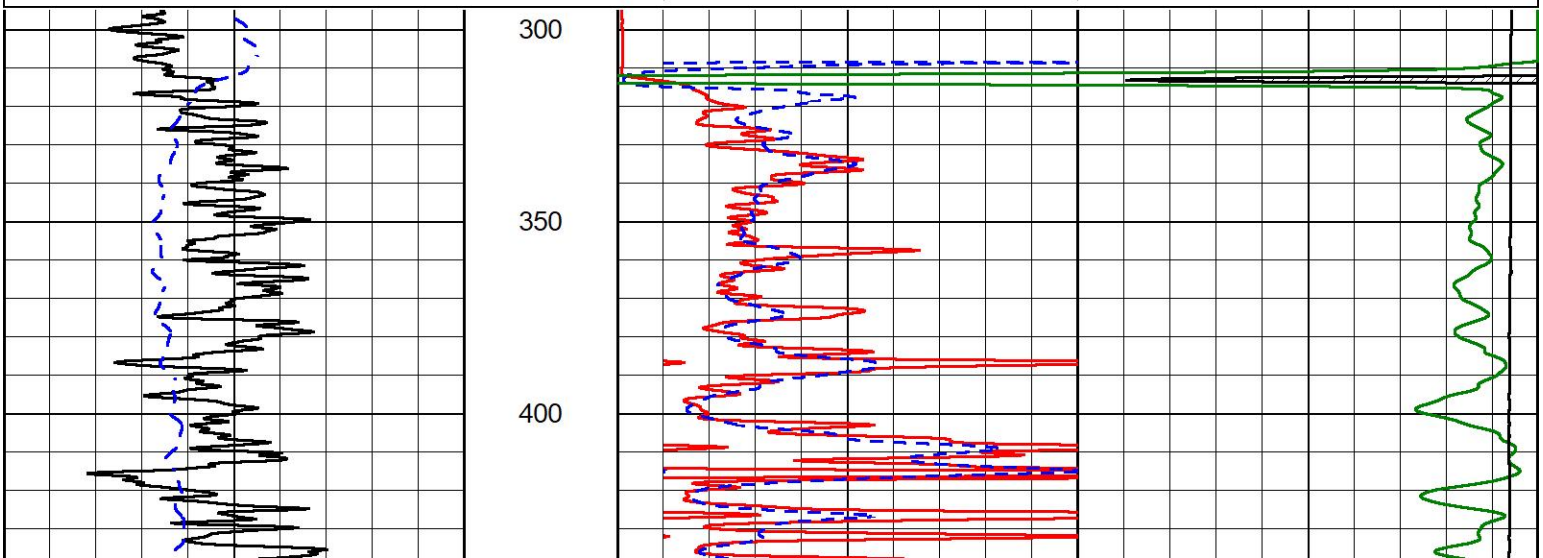
MIDWEST WIRELINE

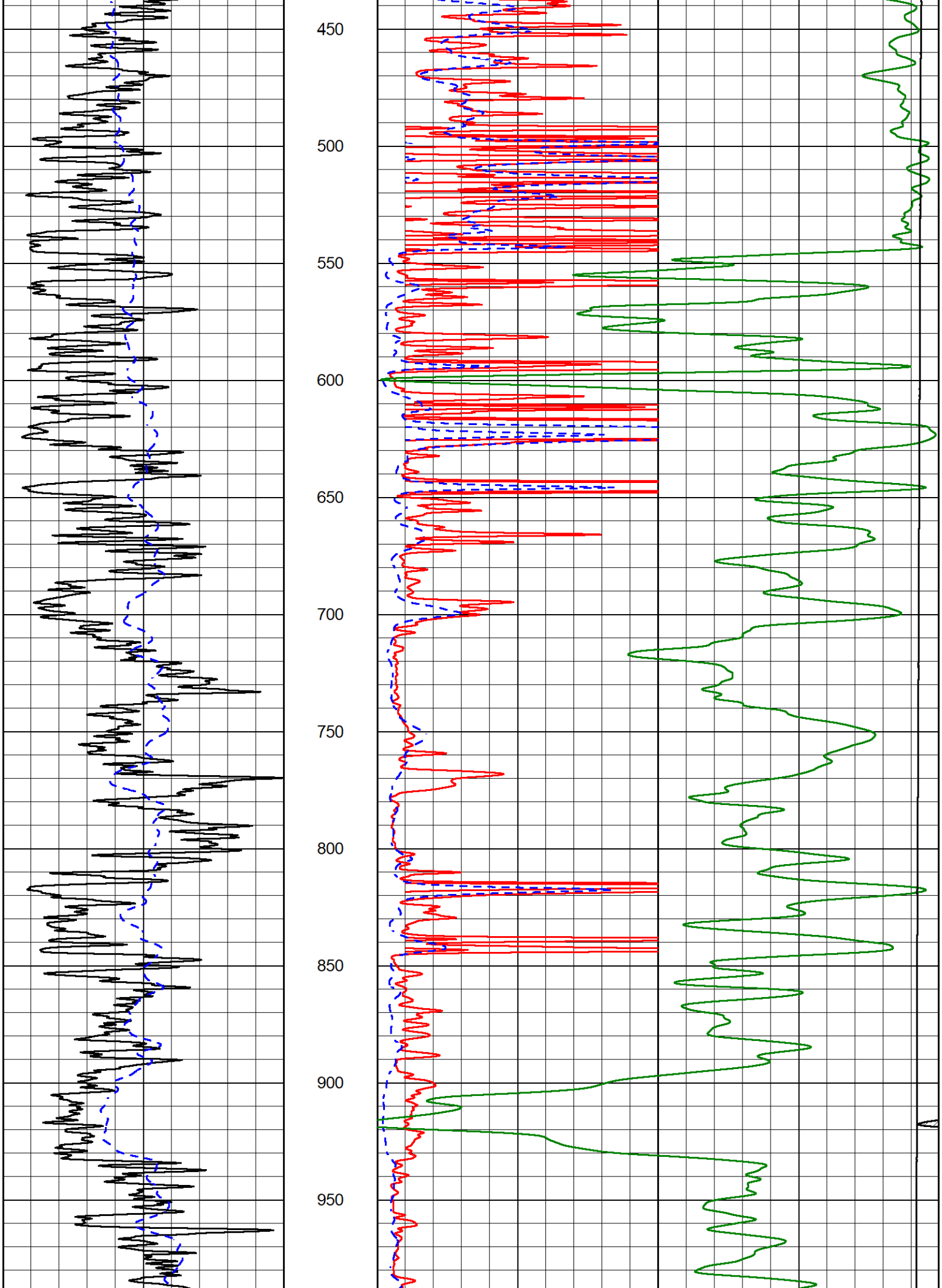
2" SCALE RESISTIVITY

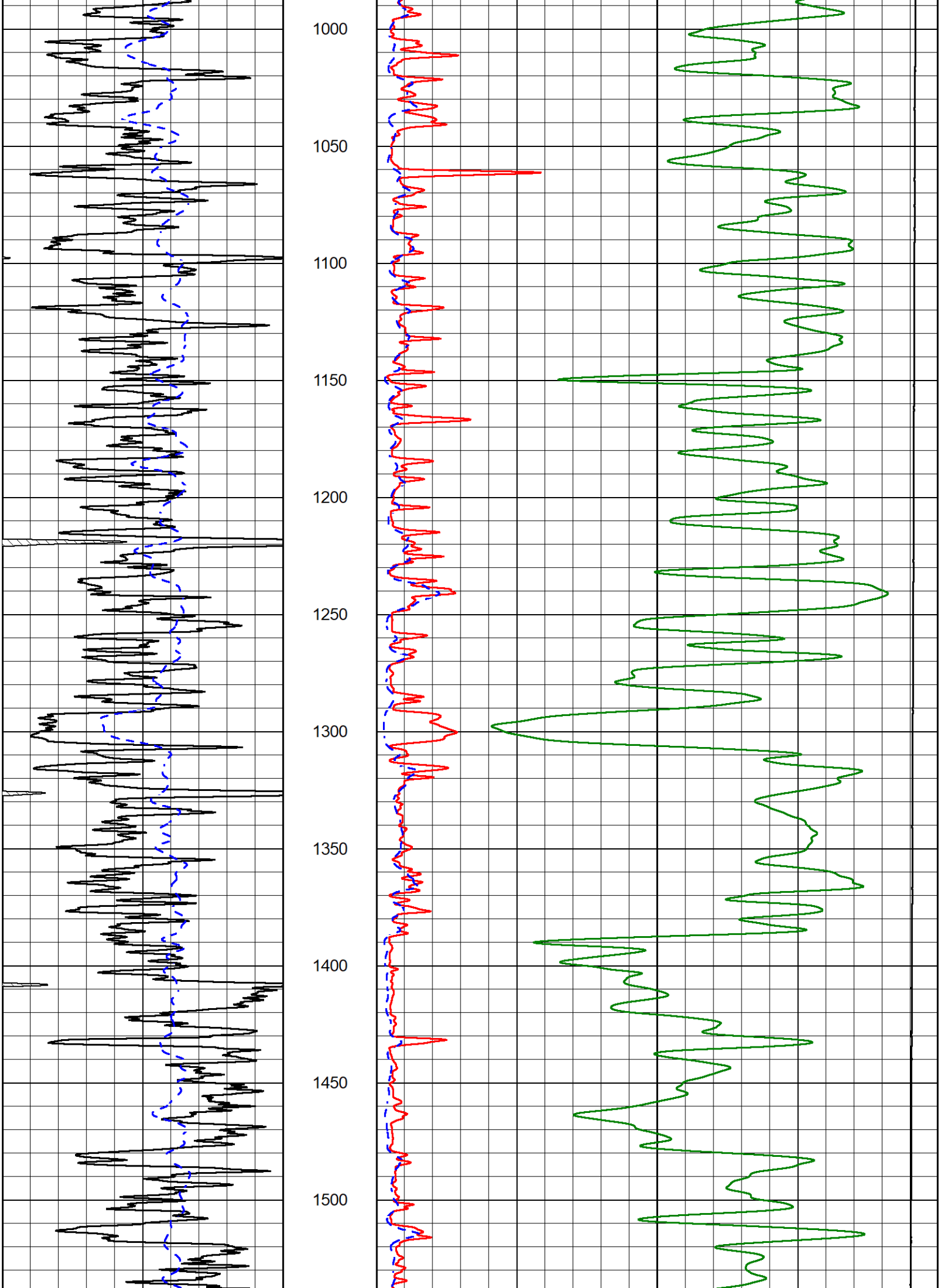
MAIN PASS

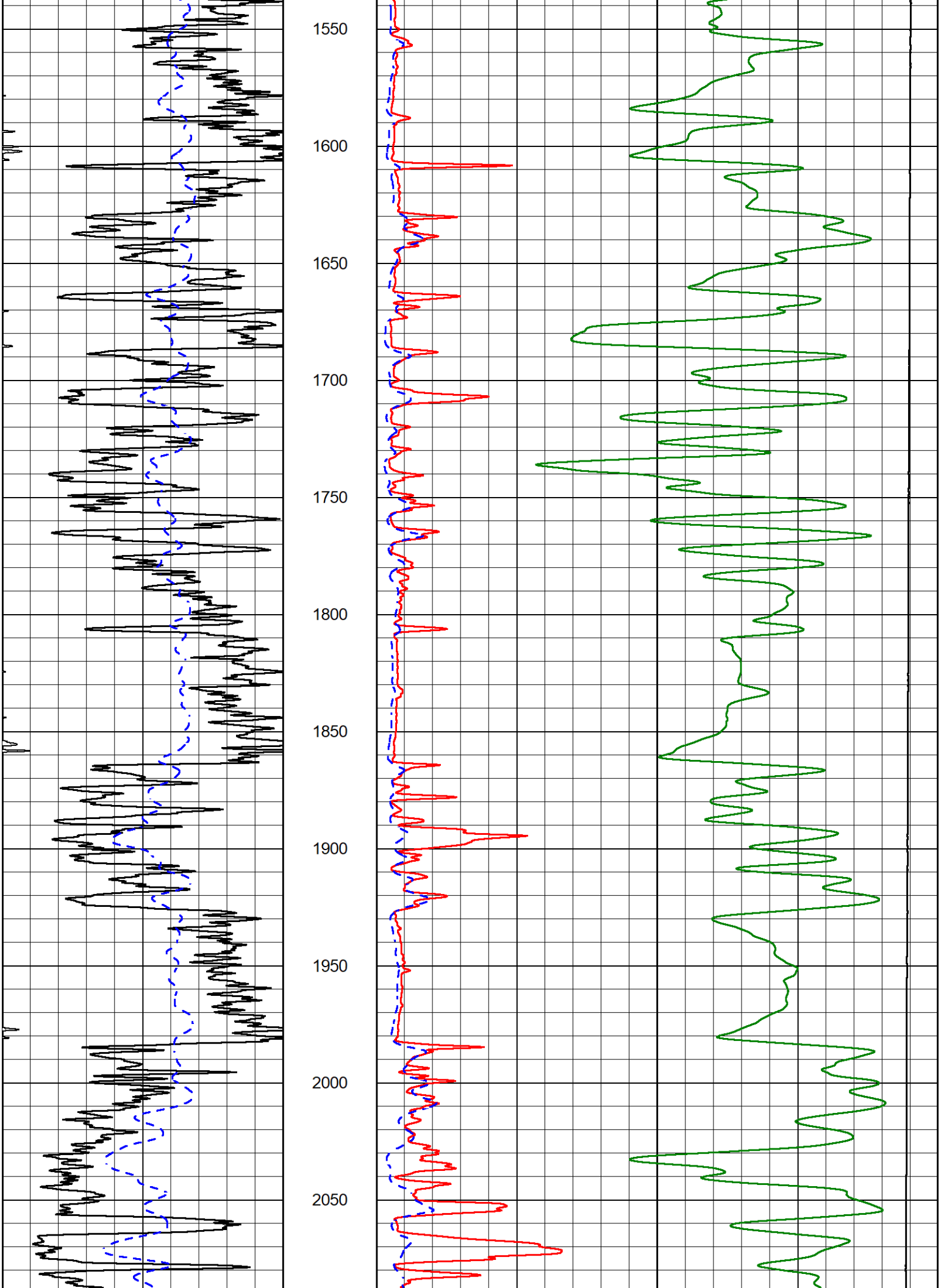
Database File	ressler_meyers 12.db
Dataset Pathname	stack/pass3.3
Presentation Format	_dil2in
Dataset Creation	Fri May 17 13:11:11 2024
Charted by	Depth in Feet scaled 1:600

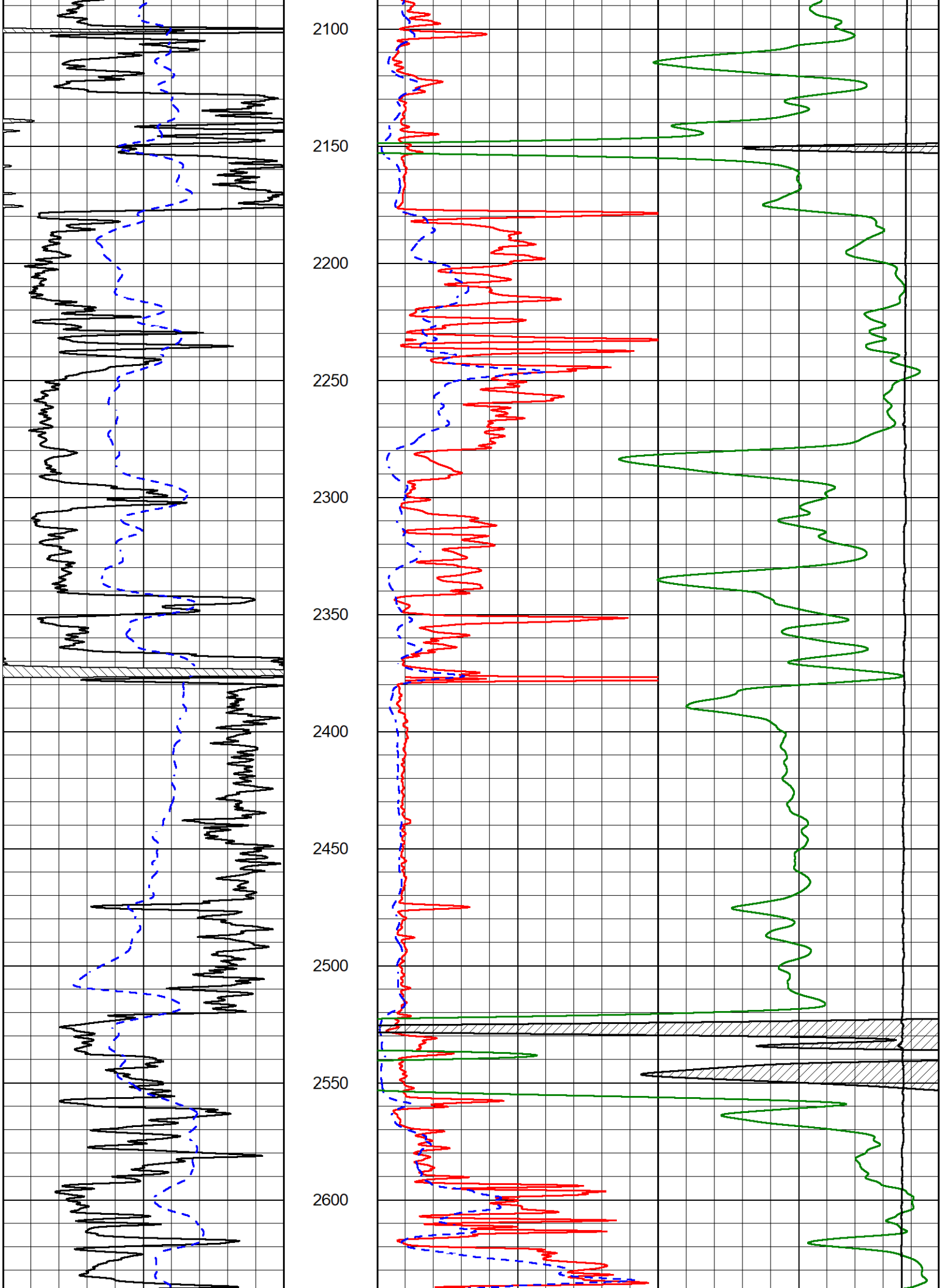
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
0	Shallow Resisitivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
	Shallow Resistivity	
50	(Ohm-m)	200
50	Deep Resistivity (Ohm-m)	200

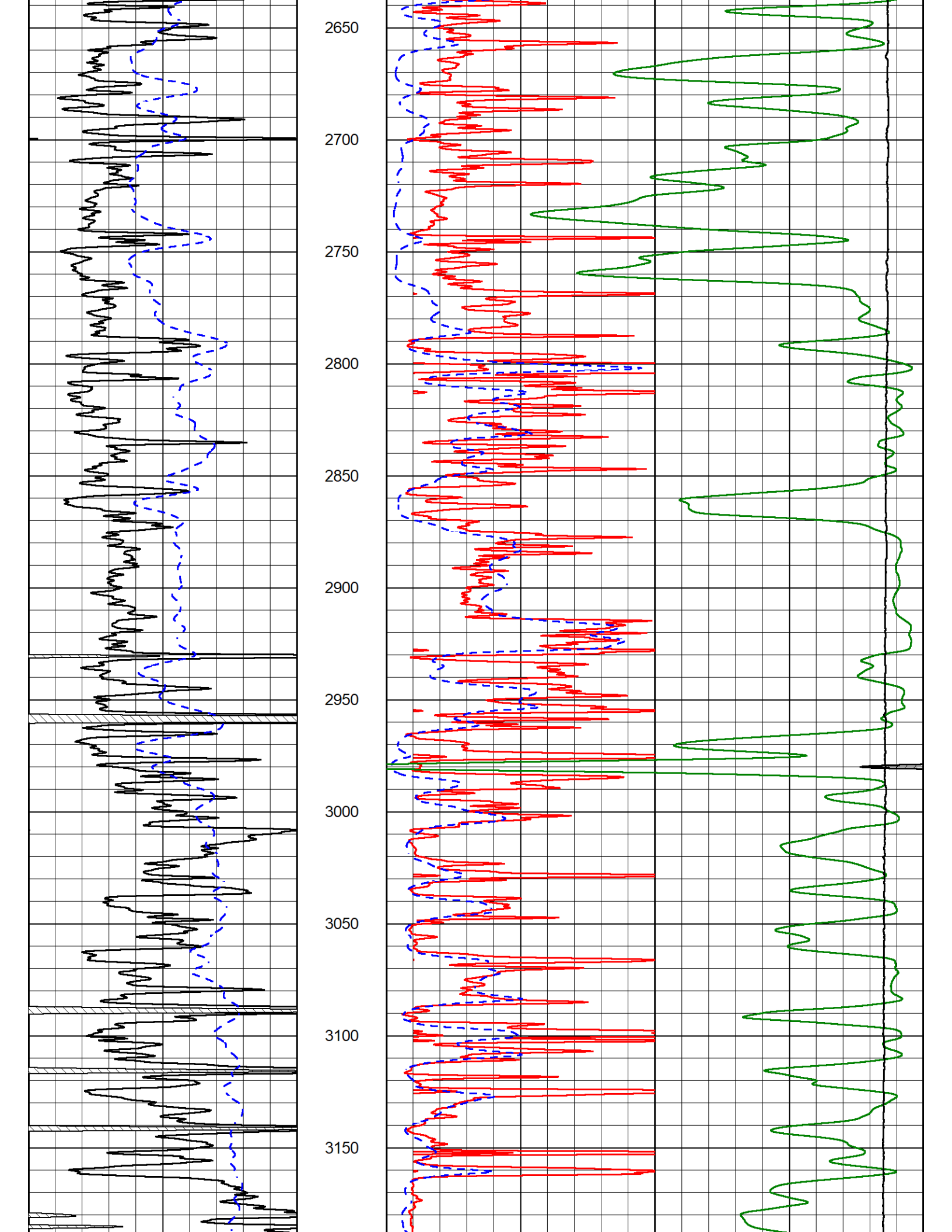


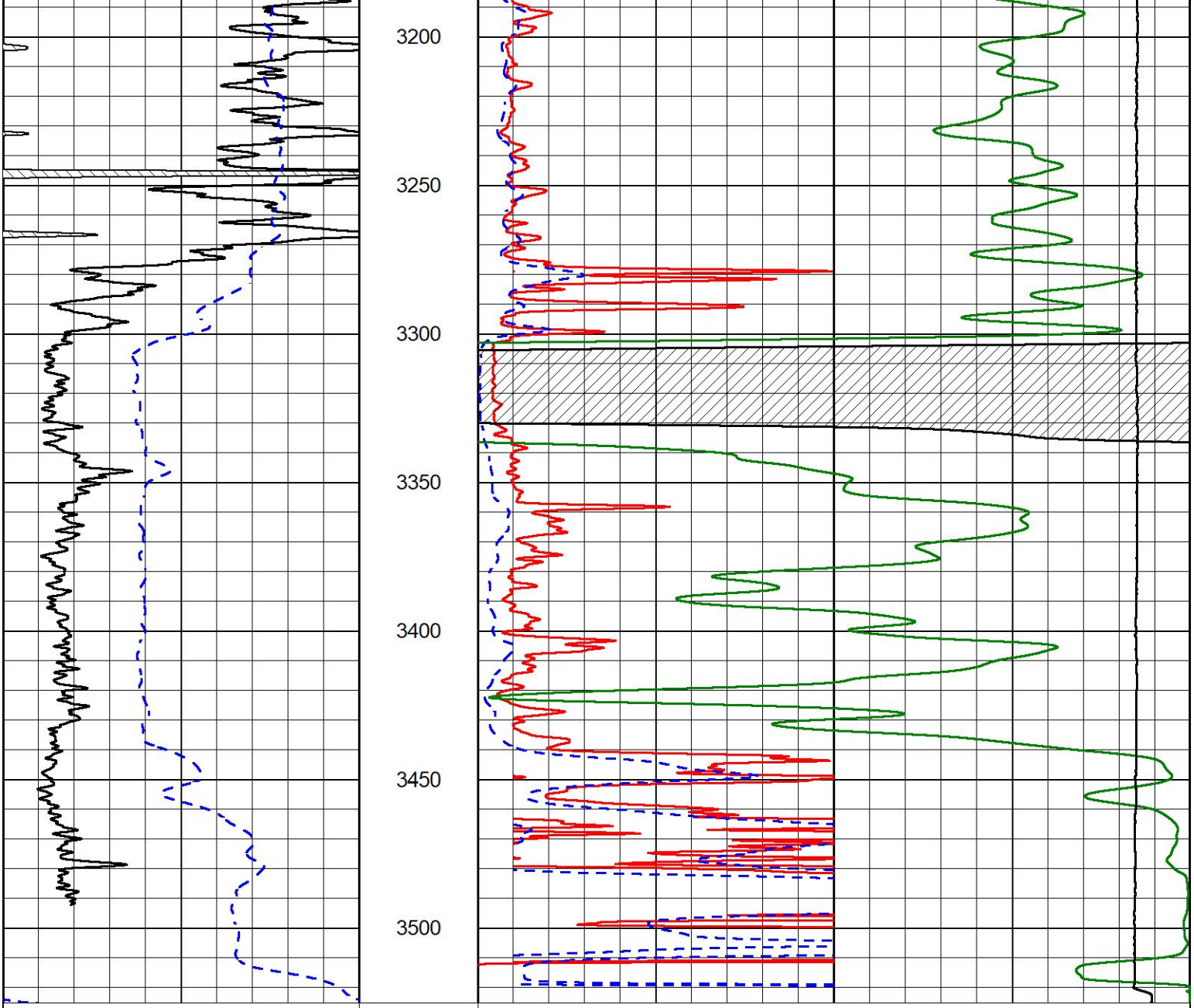

450
500
550
600
650
700
750
800
850
900
950


1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500


1550
1600
1650
1700
1750
1800
1850
1900
1950
2000
2050


2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600


2650
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150



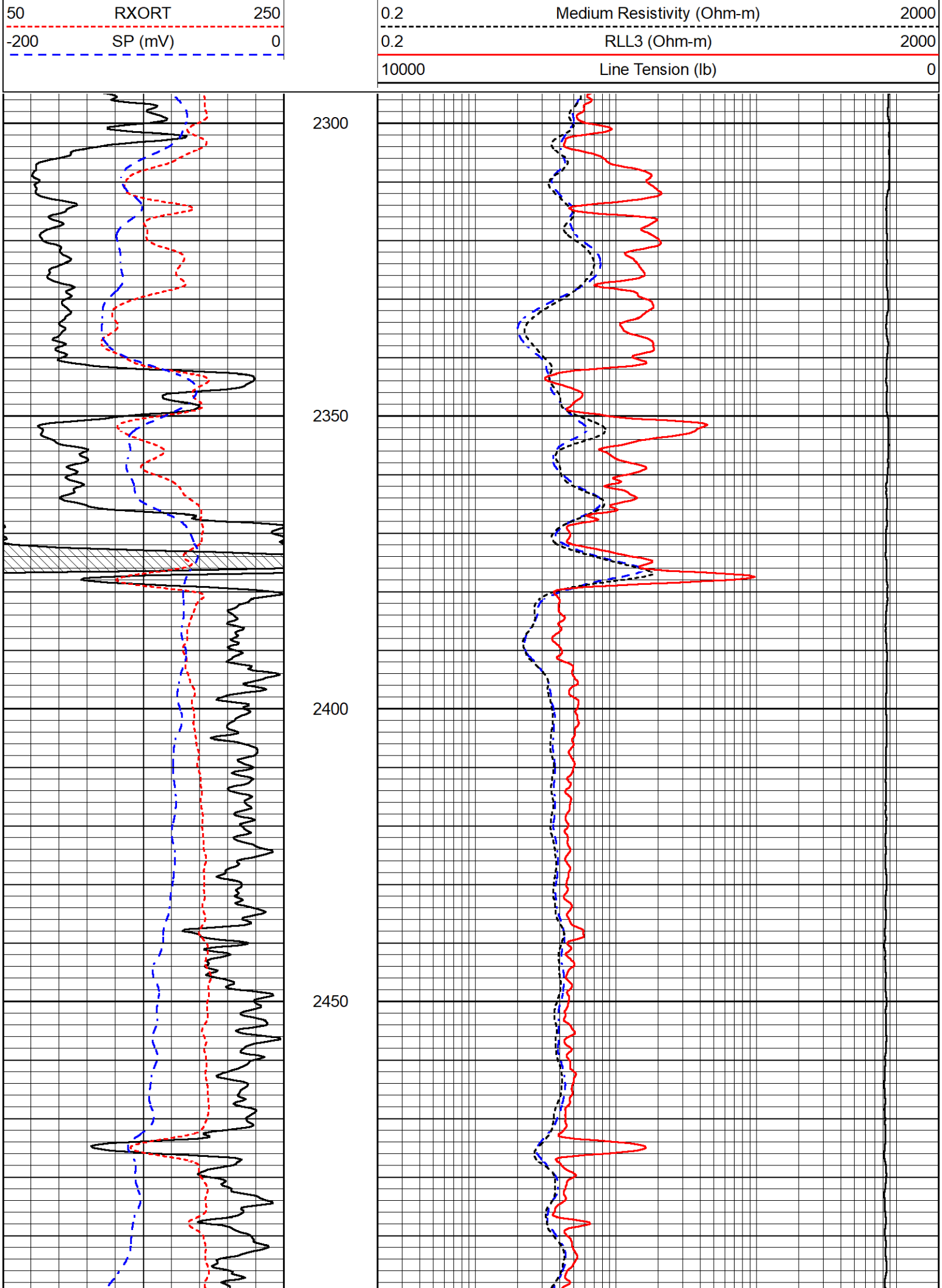
MIDWEST WIRELINE

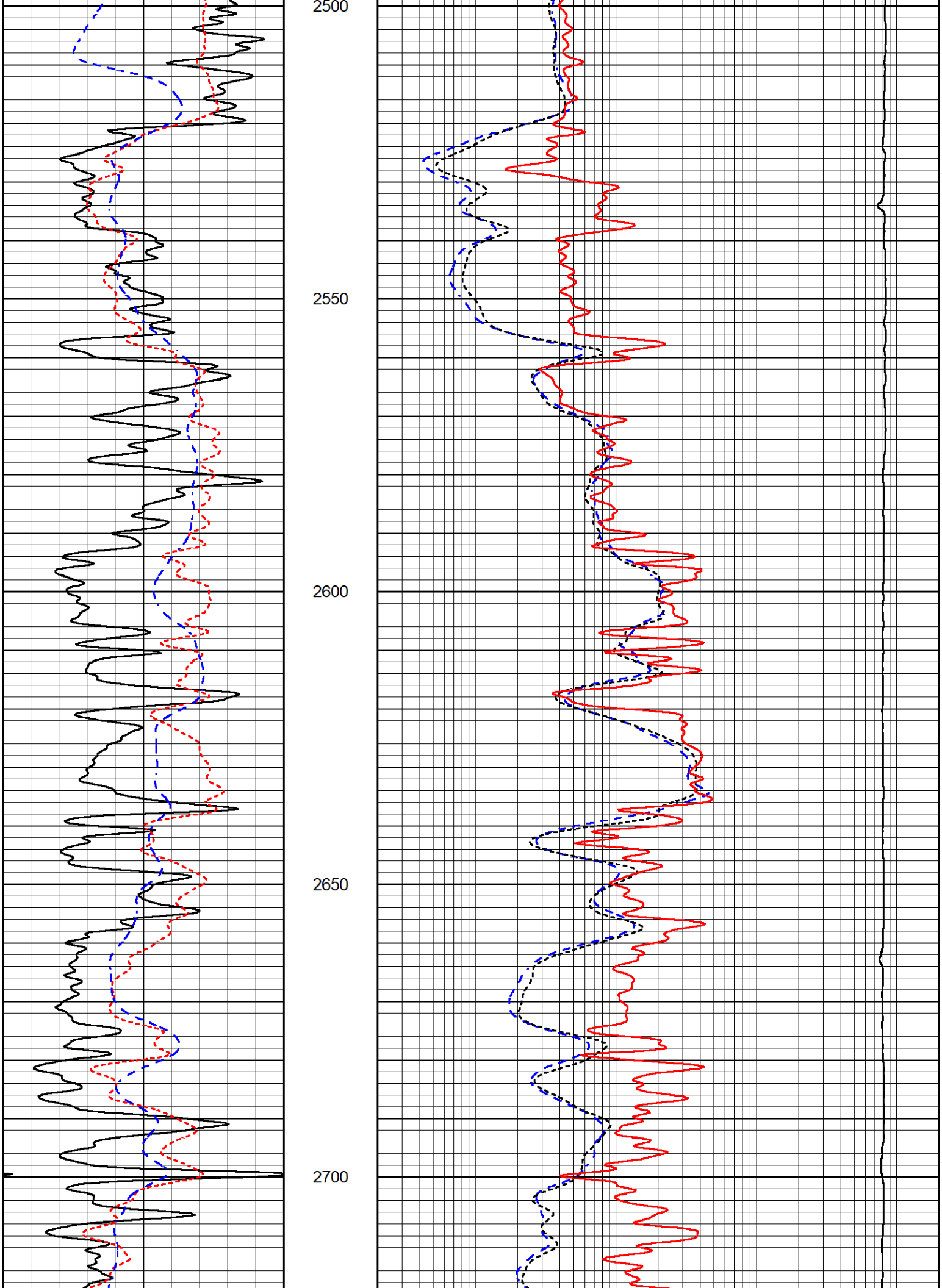
DETAIL SECTION

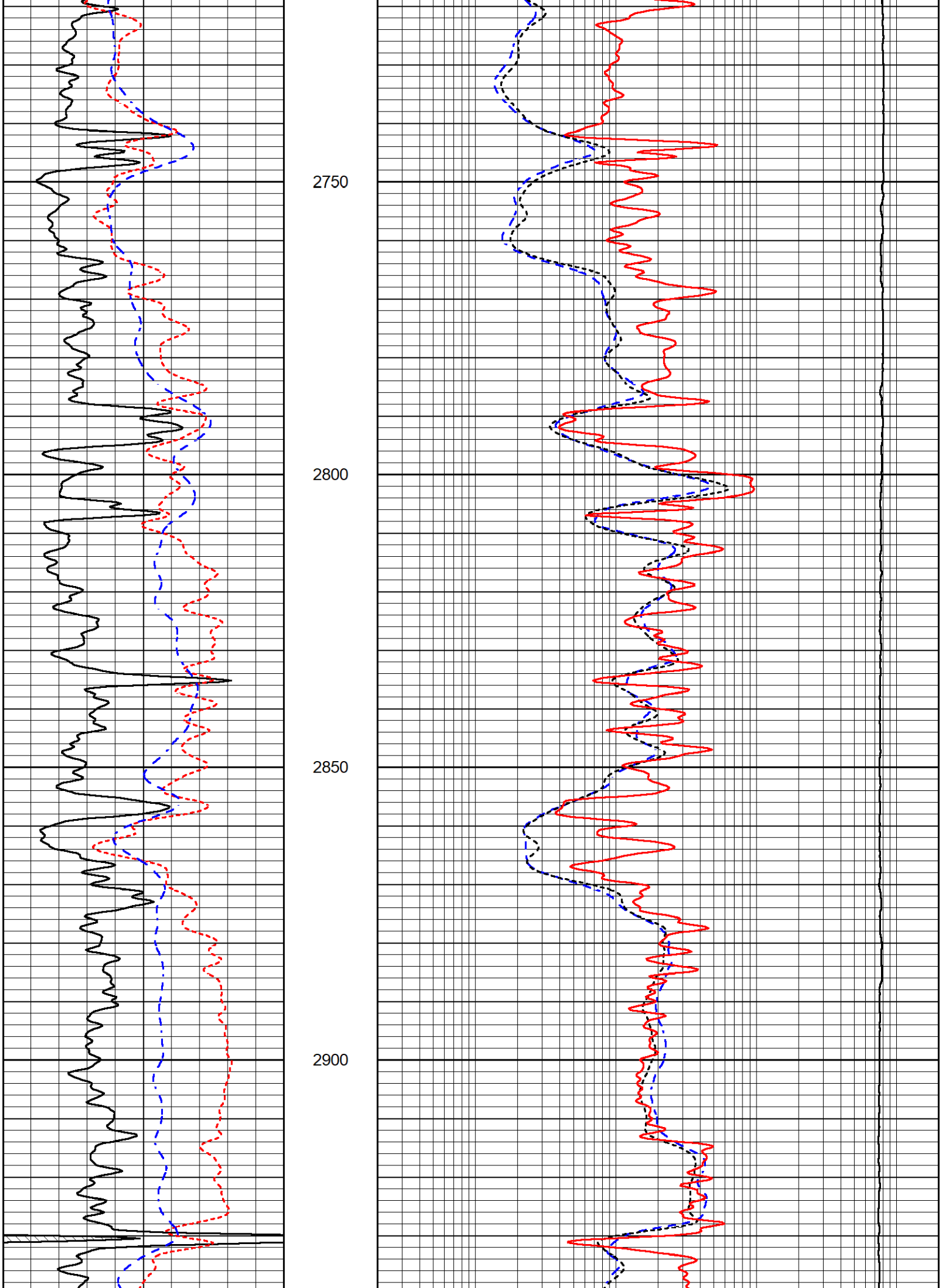
MAIN PASS

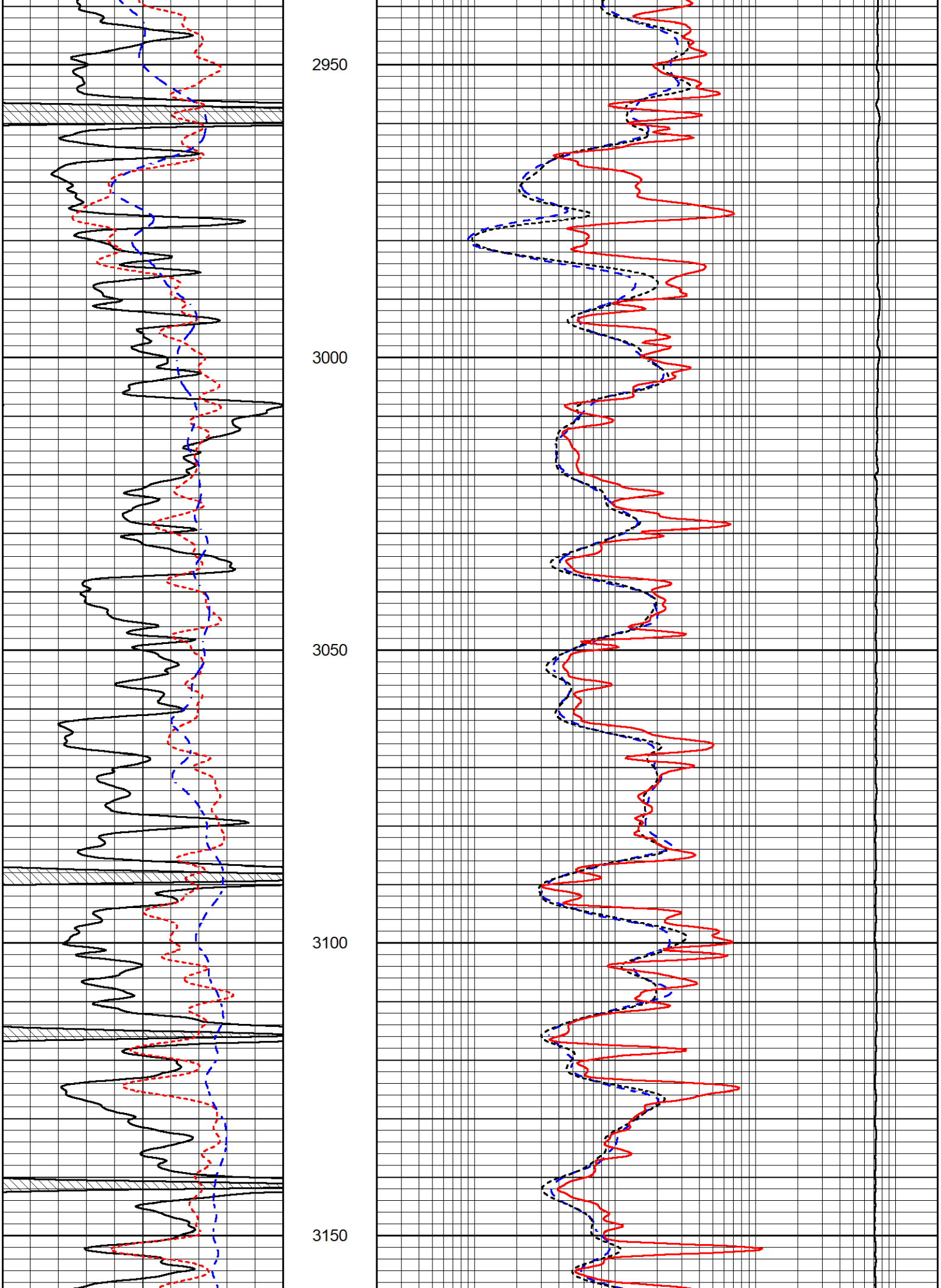
Database File	ressler_meyers 12.db
Dataset Pathname	stack/pass3.1
Presentation Format	_dil
Dataset Creation	Fri May 17 13:03:01 2024
Charted by	Depth in Feet scaled 1:240

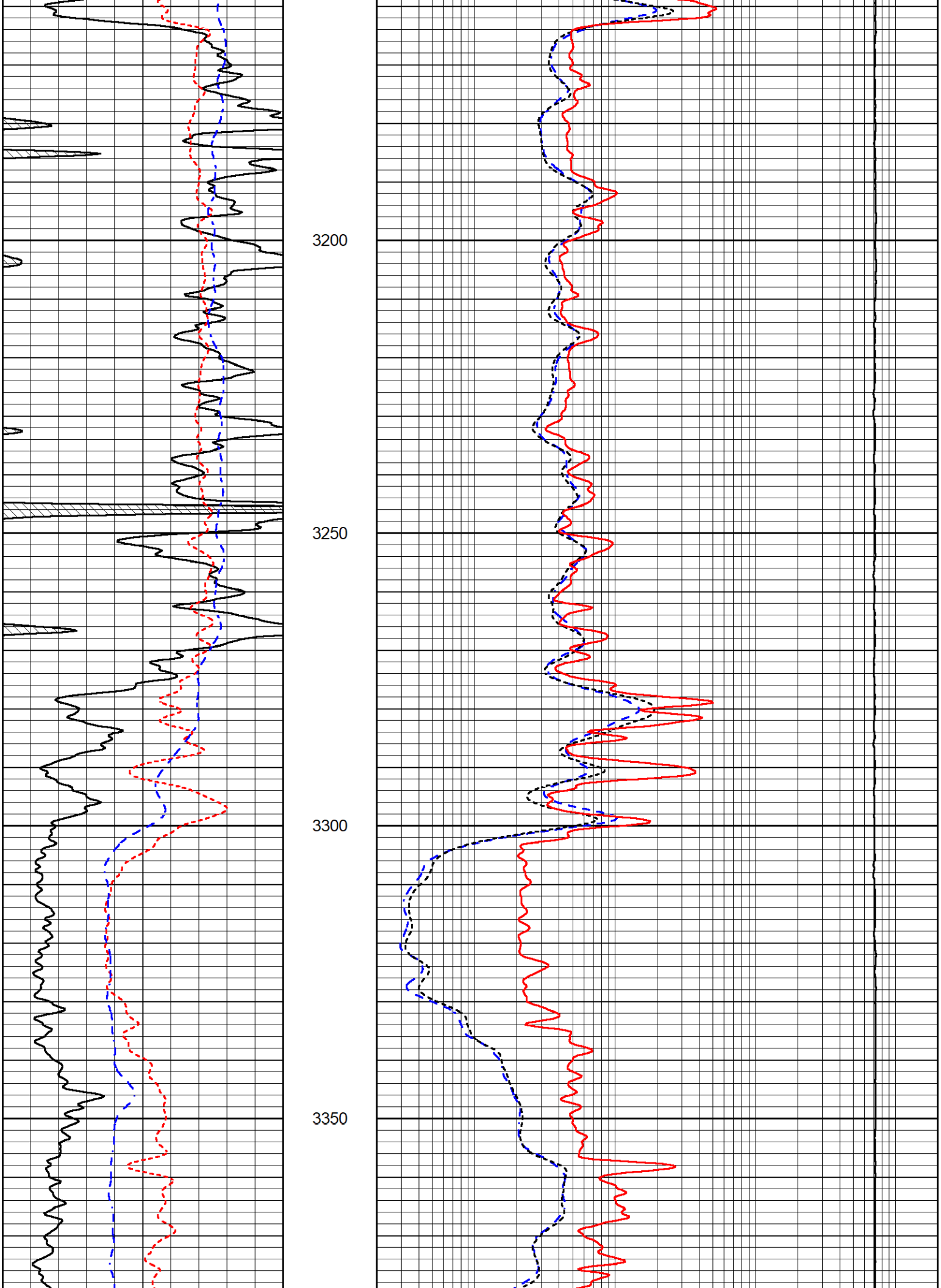
0	Gamma Ray (GAPI)	150
0.2	Deep Resistivity (Ohm-m)	2000

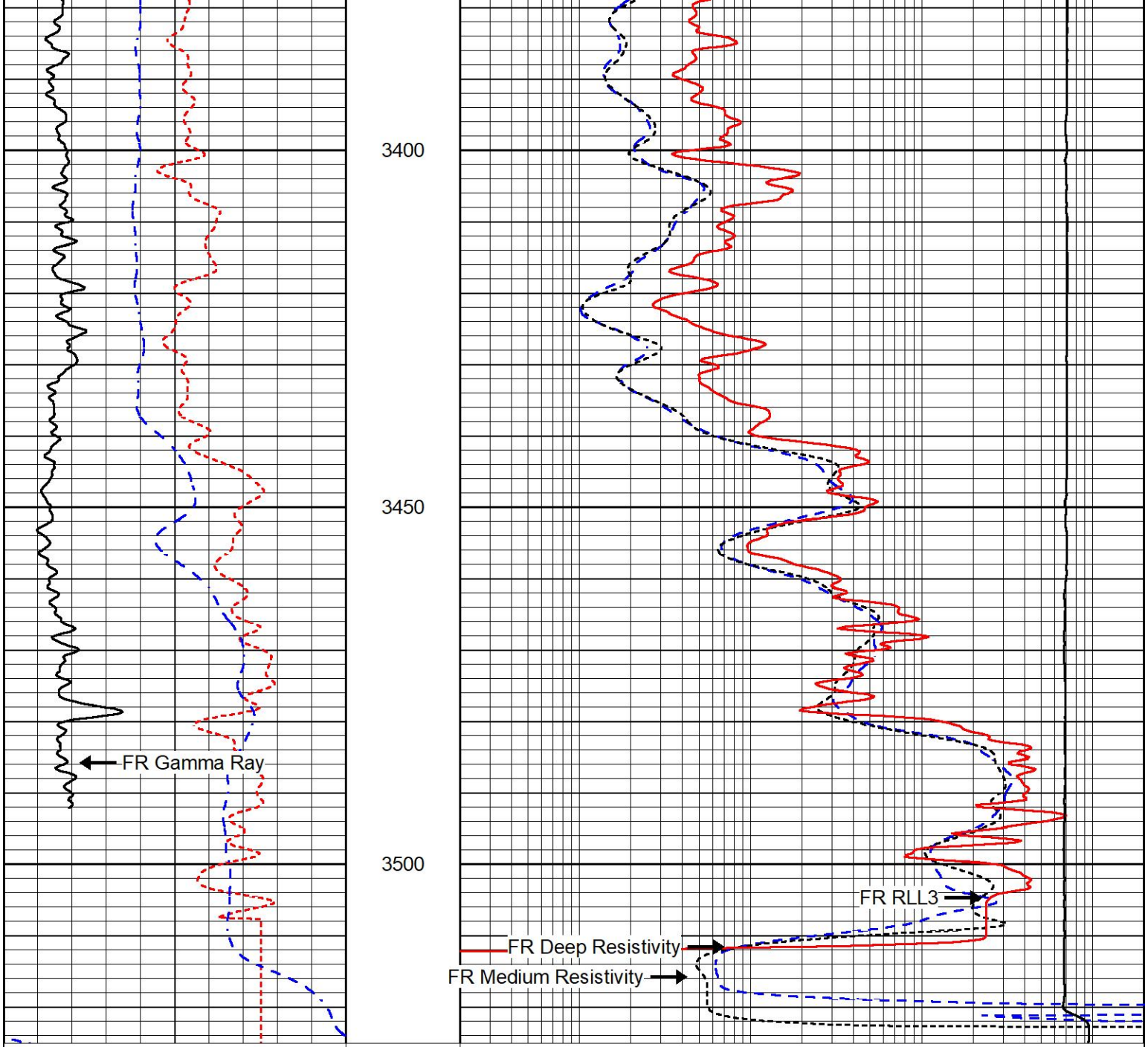

50 RXORT 250
-200 SP (mV) 0
0.2 Medium Resistivity (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000
10000 Line Tension (lb) 0
2300
2350
2400
2450


2500
2550
2600
2650
2700


2750
2800
2850
2900


2950
3000
3050
3100
3150


3200
3250
3300
3350



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

MIDWEST WIRELINE

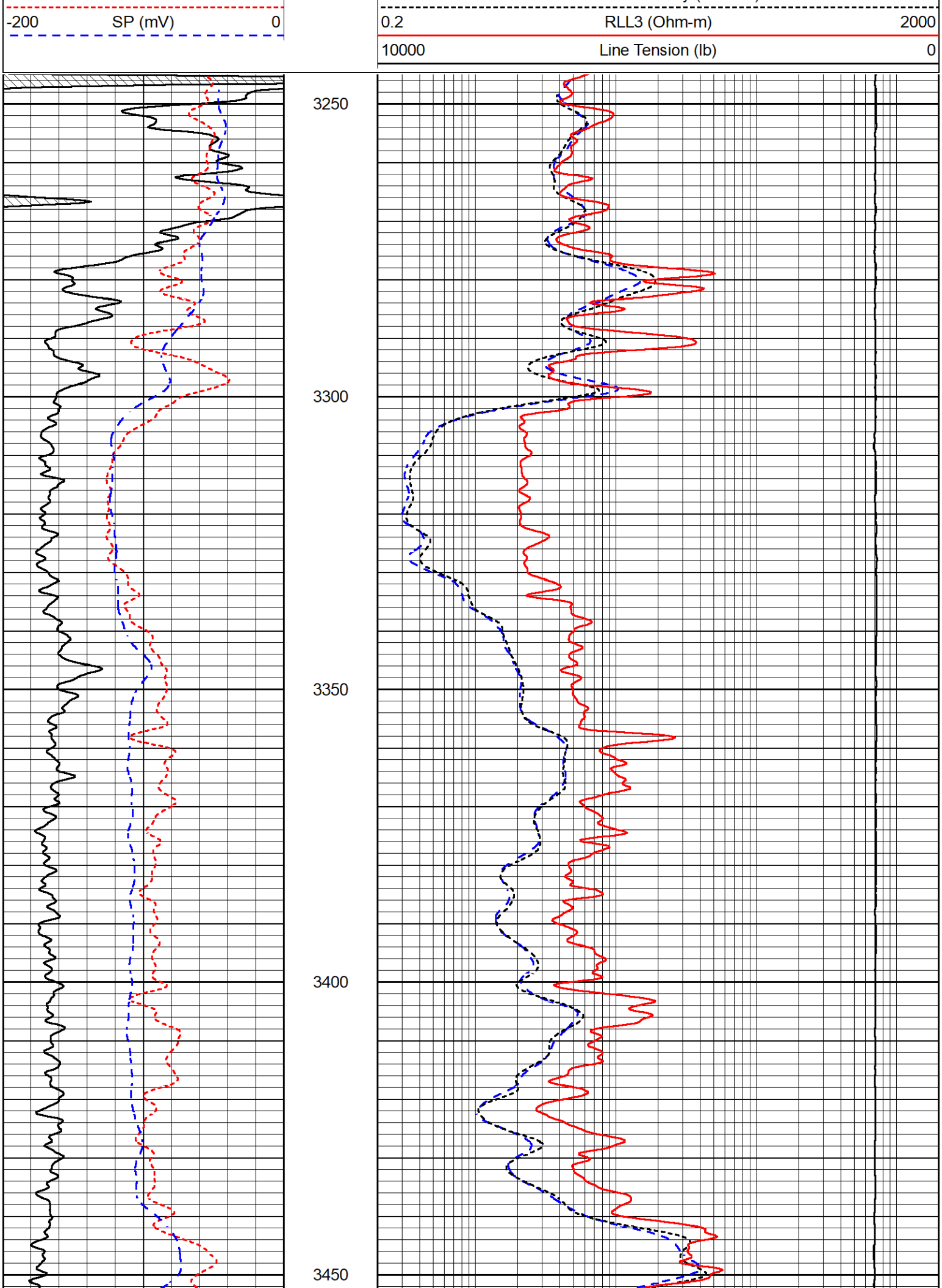
REPEAT SECTION

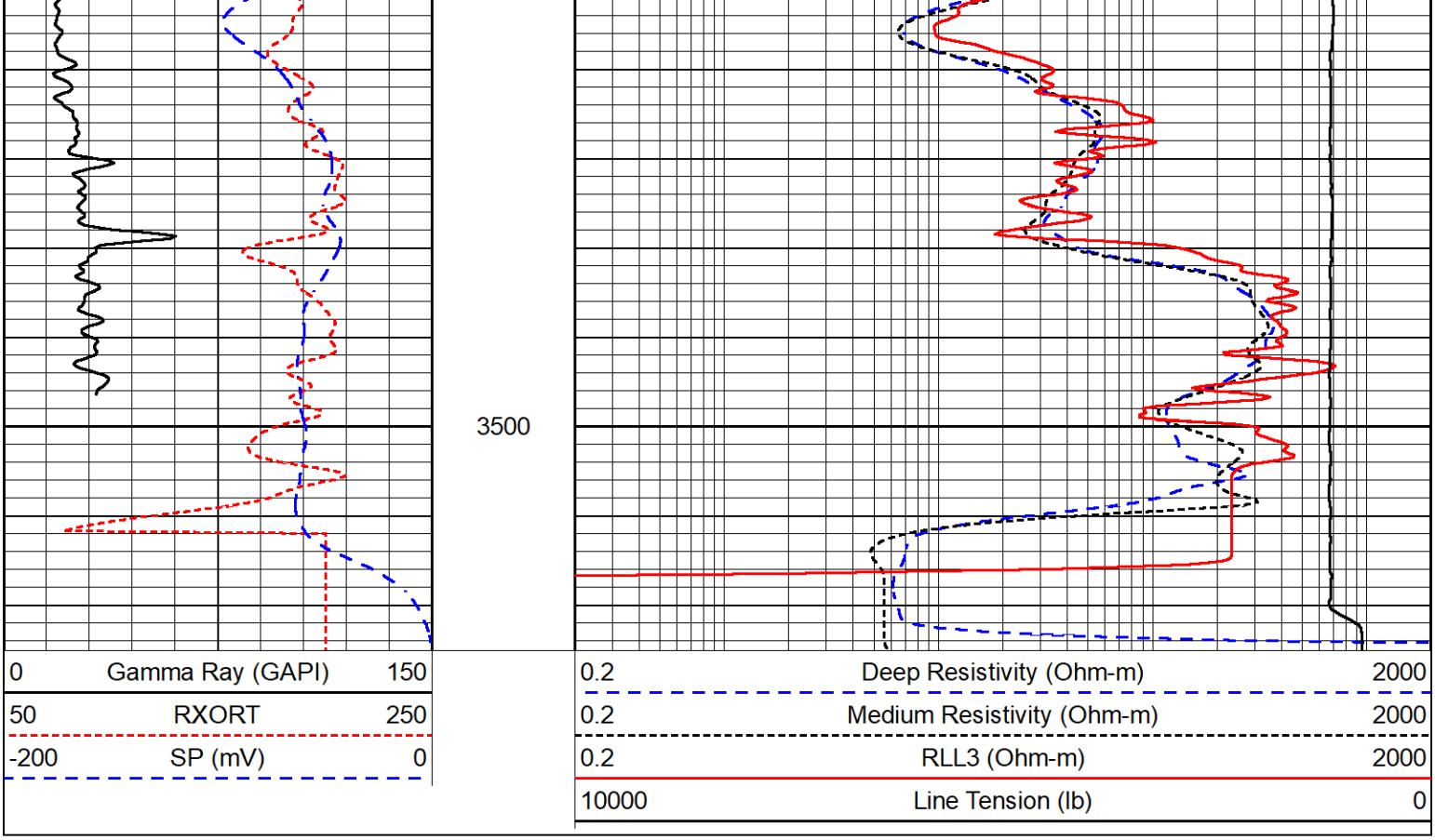
REPEAT PASS

Database File	ressler_meyers 12.db
Dataset Pathname	stack/pass2.1
Presentation Format	_dil
Dataset Creation	Fri May 17 12:18:33 2024
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
50	RXORT	250

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000


-200
SP (mV)
0
0.2
RLL3 (Ohm-m)
2000
10000
Line Tension (lb)
0
3250
3300
3350
3400
3450



Calibration Report

Database File	ressler_meyers 12.db
Dataset Pathname	stack/pass3.12
Dataset Creation	Fri May 17 12:35:11 2024

Dual Induction Calibration Report

Serial-Model:	504 HT-M&W
Surface Cal Performed:	Wed May 15 14:32:42 2024

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	1.350	-14.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.950	-44.000

Compensated Density Calibration Report

Serial-Model:	303-03-M&W
Source #:	21170B
Master Calibration Performed:	Fri Mar 22 13:26:25 2024

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.680	g/cc	5466.68	7555.42	cps
Aluminum	2.580	g/cc	1173.67	5050.86	cps

Spine Angle = 75.33

Density/Spine Ratio = 0.566

Size	Reading

Small Ring	4.00	in	1.17
Large Ring	14.00	in	1.07

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:	Sat Oct 21 23:48:19 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.6000	GAPI/cps

MIDWEST WIRELINE

Company	Ressler Well Service, Inc.
Well	Myers #12
Field	Burrton
County	Reno
State	Kansas