MIDWEST WIRELINE

DUAL INDUCTION

Company	Ressler Well Service, Inc.
Well	Myer #11
Field	Burrton
County	Reno
State	Kansas

Company Ressler Well Service, Inc.
Well Myer #11
Field Burrton
County Reno State Kansas

Location: API #: 15-155-21798-00-00
W2 E2 NW
1320 FNL & 1650 FWL
SEC 3 TWP 24S RGE 4W

Other Services: CNL/CDL

Permanent Datum: Ground Level, Elevation 1470
Log Measured From: Kelly Bushing
Drilling Measured From: Kelly Bushing

Elevation: K.B. 1482, D.F., G.L. 1470

Date	10/7/2023			
Run Number	One			
Depth Driller	3512			
Depth Logger	3513			
Bottom Logged Interval	3512			
Top Log Interval	300			
Casing Driller	8.625 @ 308			
Casing Logger	308			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	1700			
Density / Viscosity	9.2 / 51			
pH / Fluid Loss	9.0 / 9.6			
Source of Sample	Flowline			
Rm @ Meas. Temp	0.9 @ 68			
Rmf @ Meas. Temp	0.68 @ 68			
Rmc @ Meas. Temp	1.22 @ 68			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.55 @ 111			
Operating Rig Time	2 Hours			
Max Rec. Temp. F	111			
Equipment Number	P-24			
Location	Hays			
Recorded By	T. Martin			
Witnessed By	Larry Ressler			

<<< Fold Here >>>

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Burrton, KS, 4 W to Rayl Rd,
2 S, 1/2 W, S 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: T. Martin	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 (107)	3.00	3.50	50.00
CNLSC	29.65		CNT-M&W (207)	5.00	3.50	100.00
CNSSC	28.90					
			CDL-M&W (305-24)	8.50	4.00	250.00
LSD	20.60					
DCAL	20.58					
SSD	20.10					
RLL3F	15.50					
RLL3	15.50					
			DIL-M&W (507)	18.25	3.50	220.00
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: ressler_myer #11.db: field/well/Stack/pass3.1
Total length: 34.75 ft
Total weight: 620.00 lb
O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\ressler_myer #11.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	MATRXDEN	NPORSEL	PERFS
in	degF	in	in	g/cc	g/cc		
7.875	111	5.5	0	1	2.71	Limestone	No

SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
mmho/m	mmho/m	mV	degF		ft
1	-4	-30	40	Off	3513

Variable Description

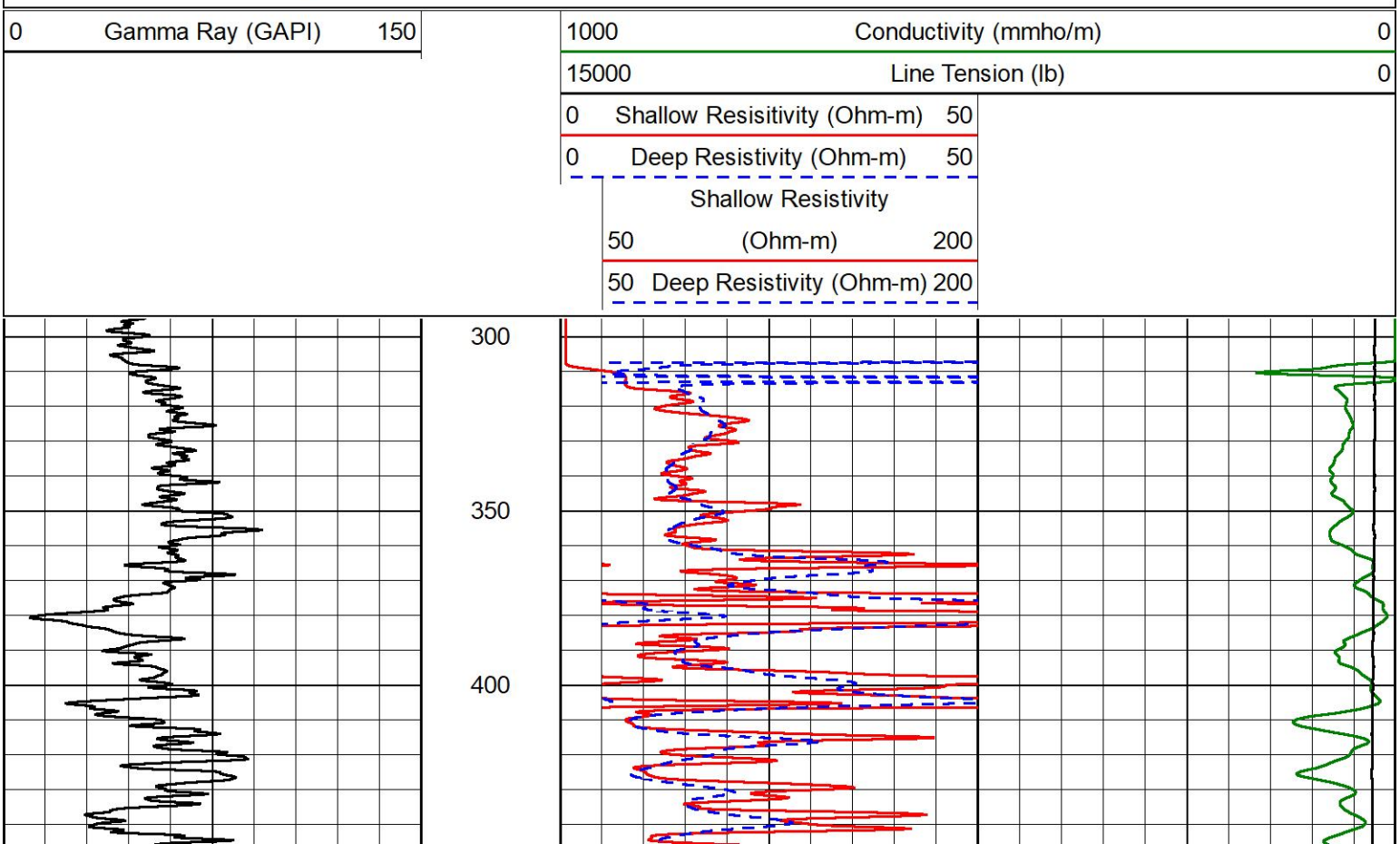
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
MATRXDEN : Matrix Density
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

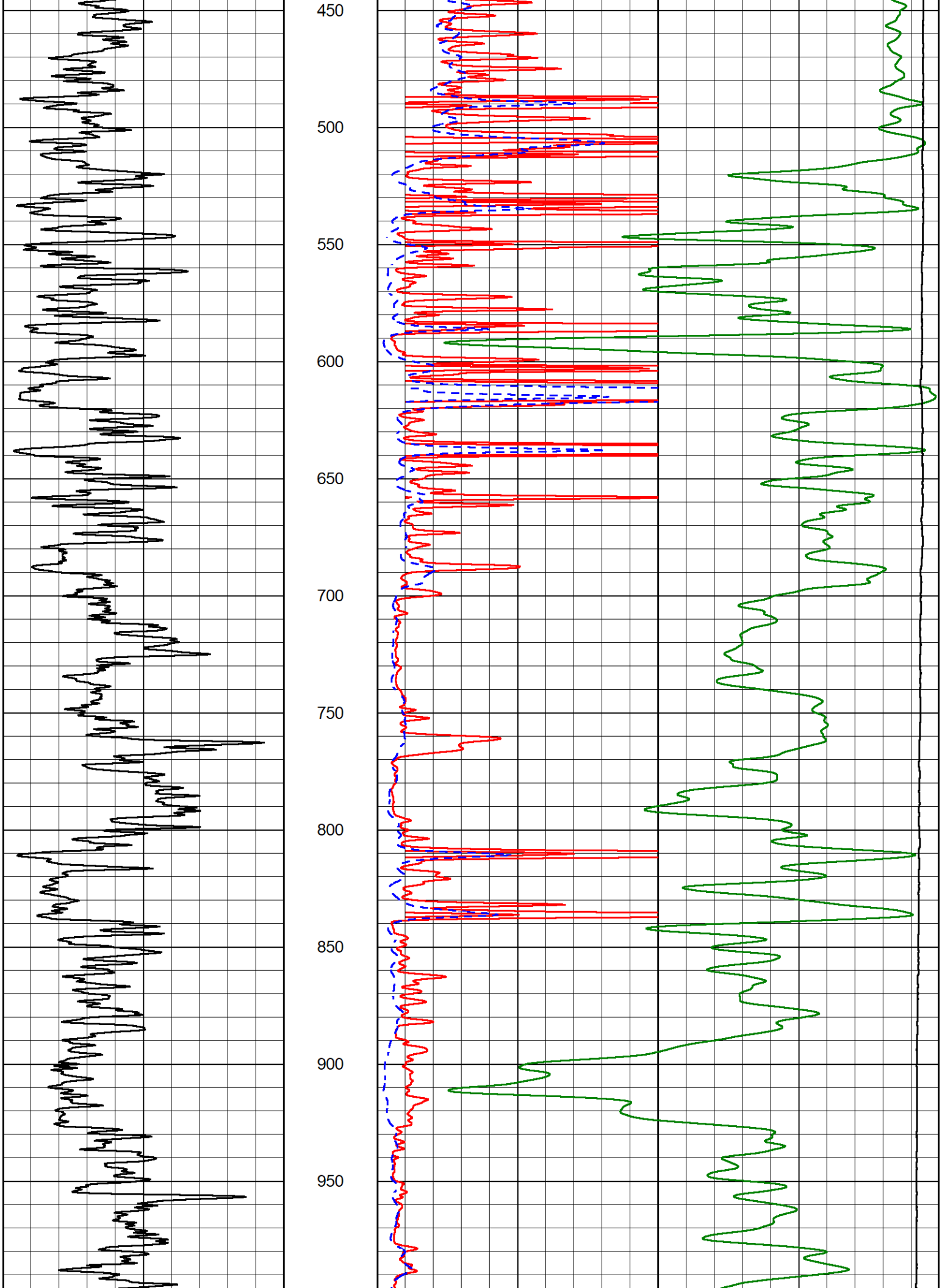
MIDWEST WIRELINE

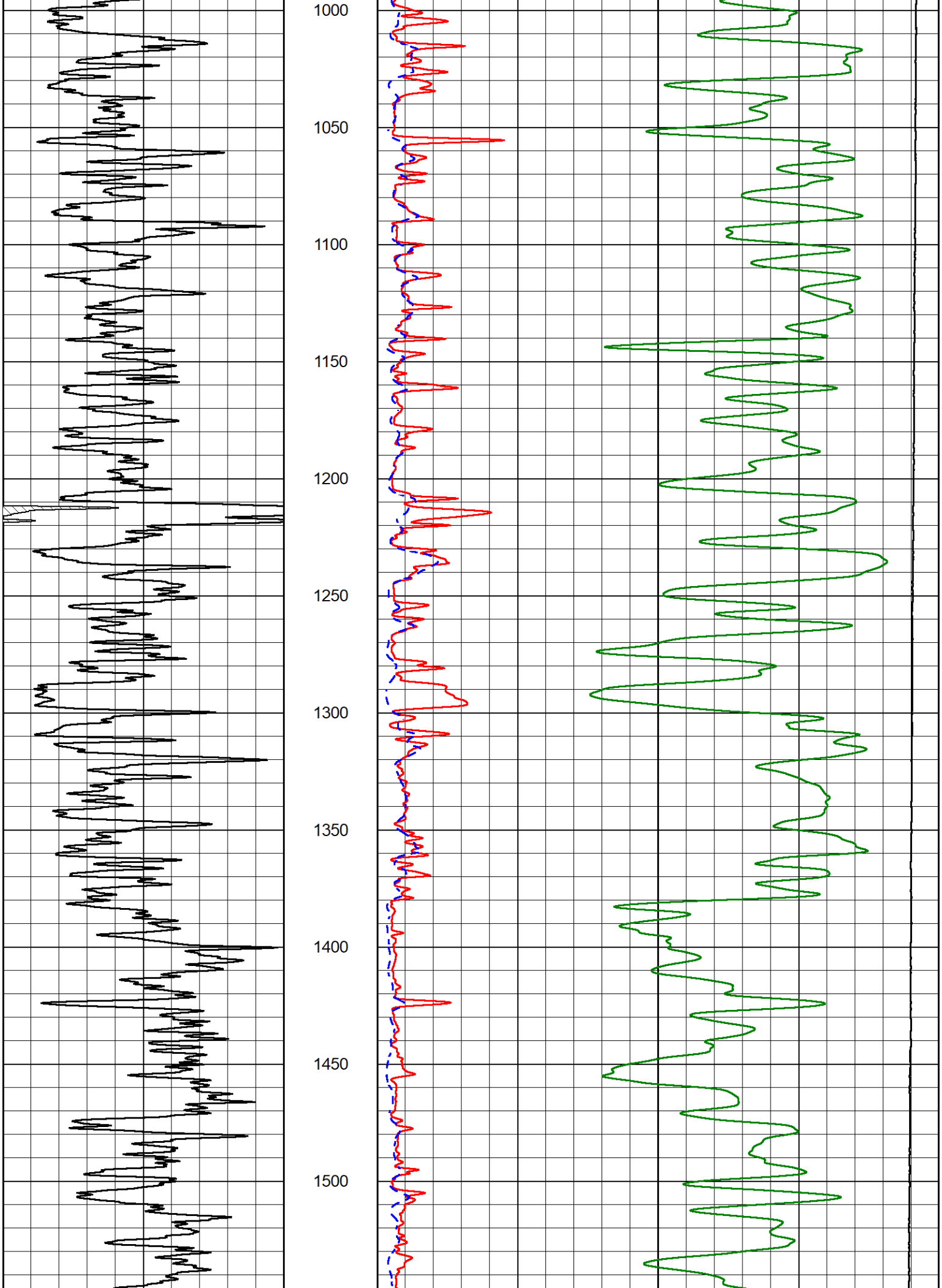
2" SCALE RESISTIVITY

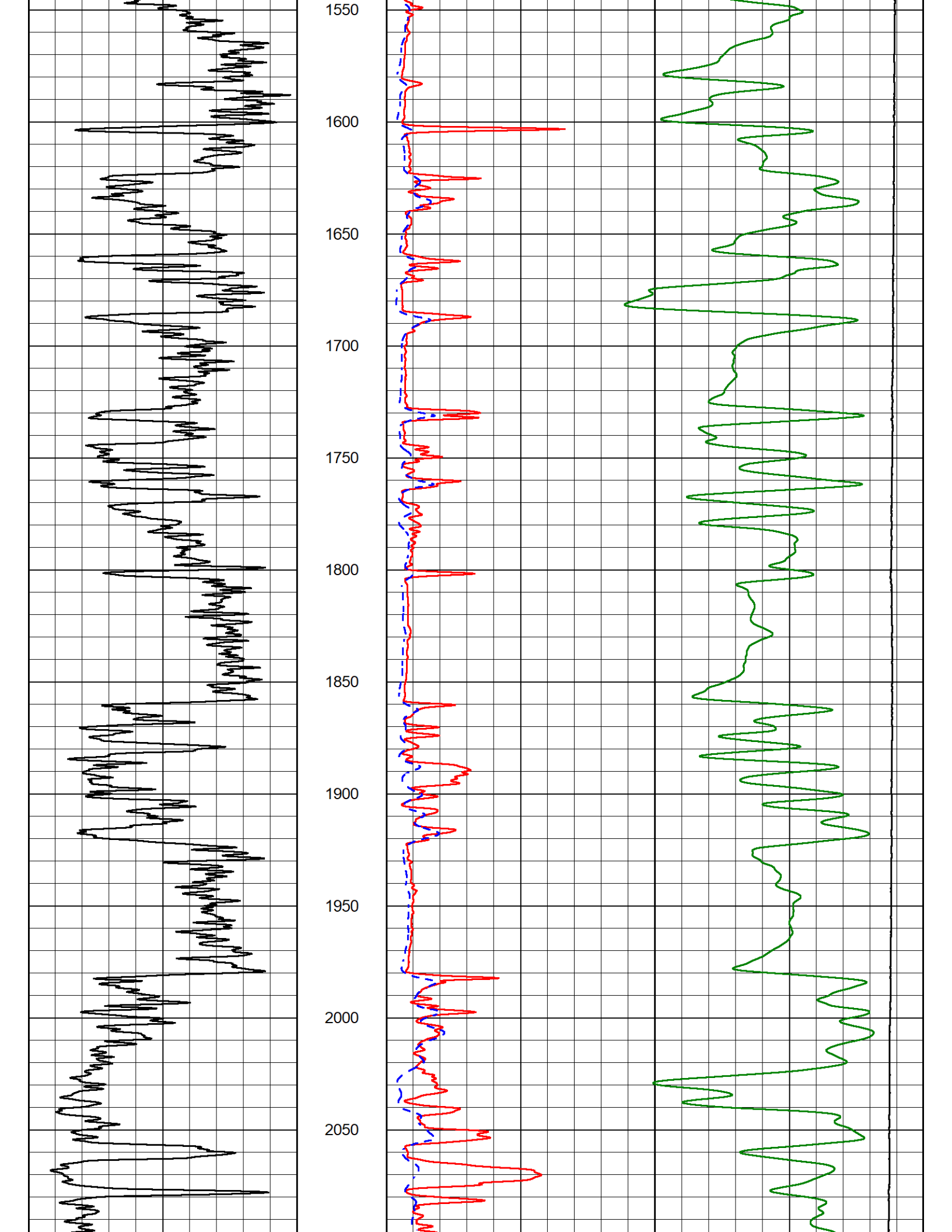
MAIN PASS

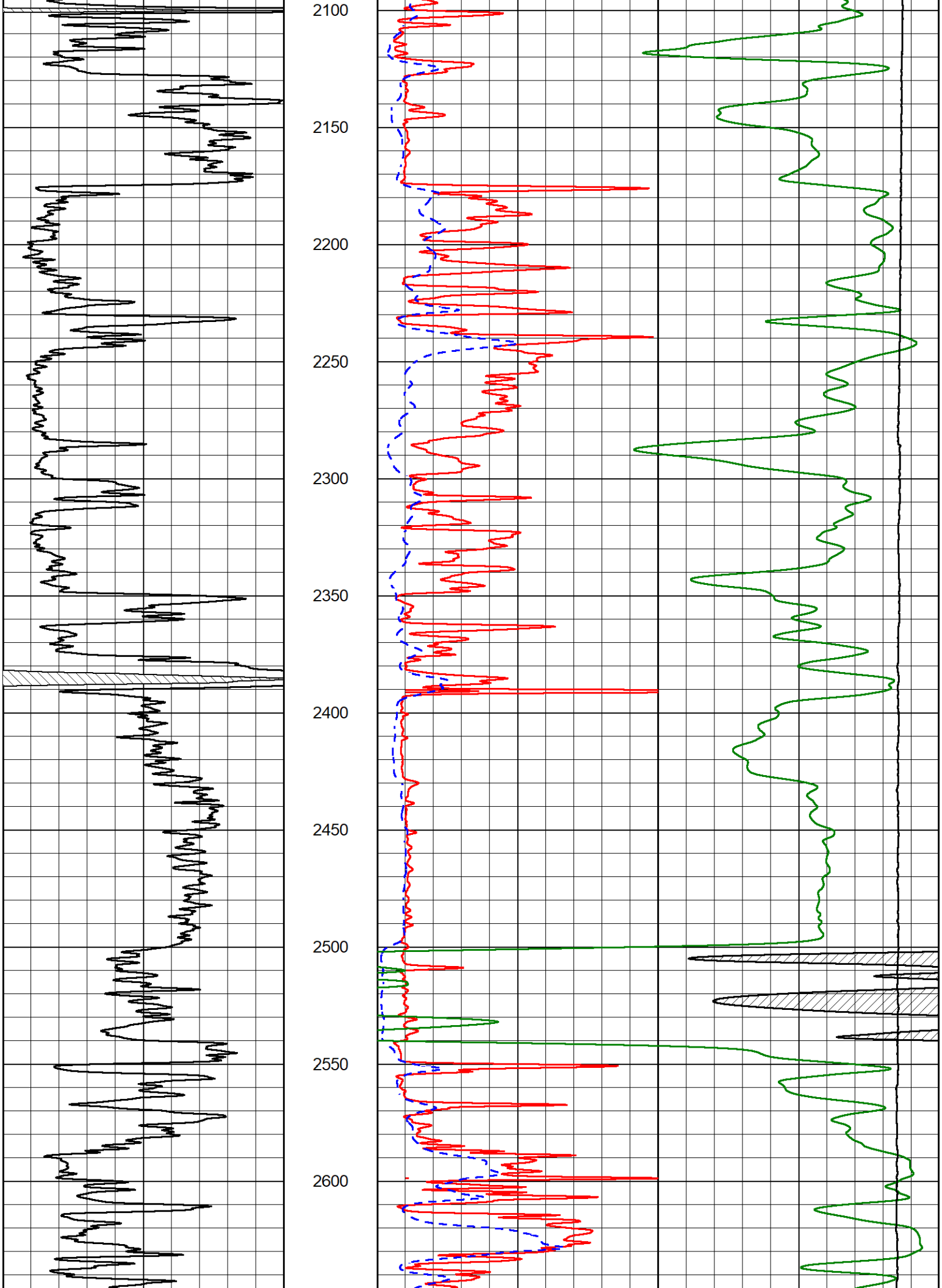
Database File	ressler_myer #11.db
Dataset Pathname	Stack/pass3.2
Presentation Format	_dil2in
Dataset Creation	Sat Oct 07 03:37:04 2023
Charted by	Depth in Feet scaled 1:600

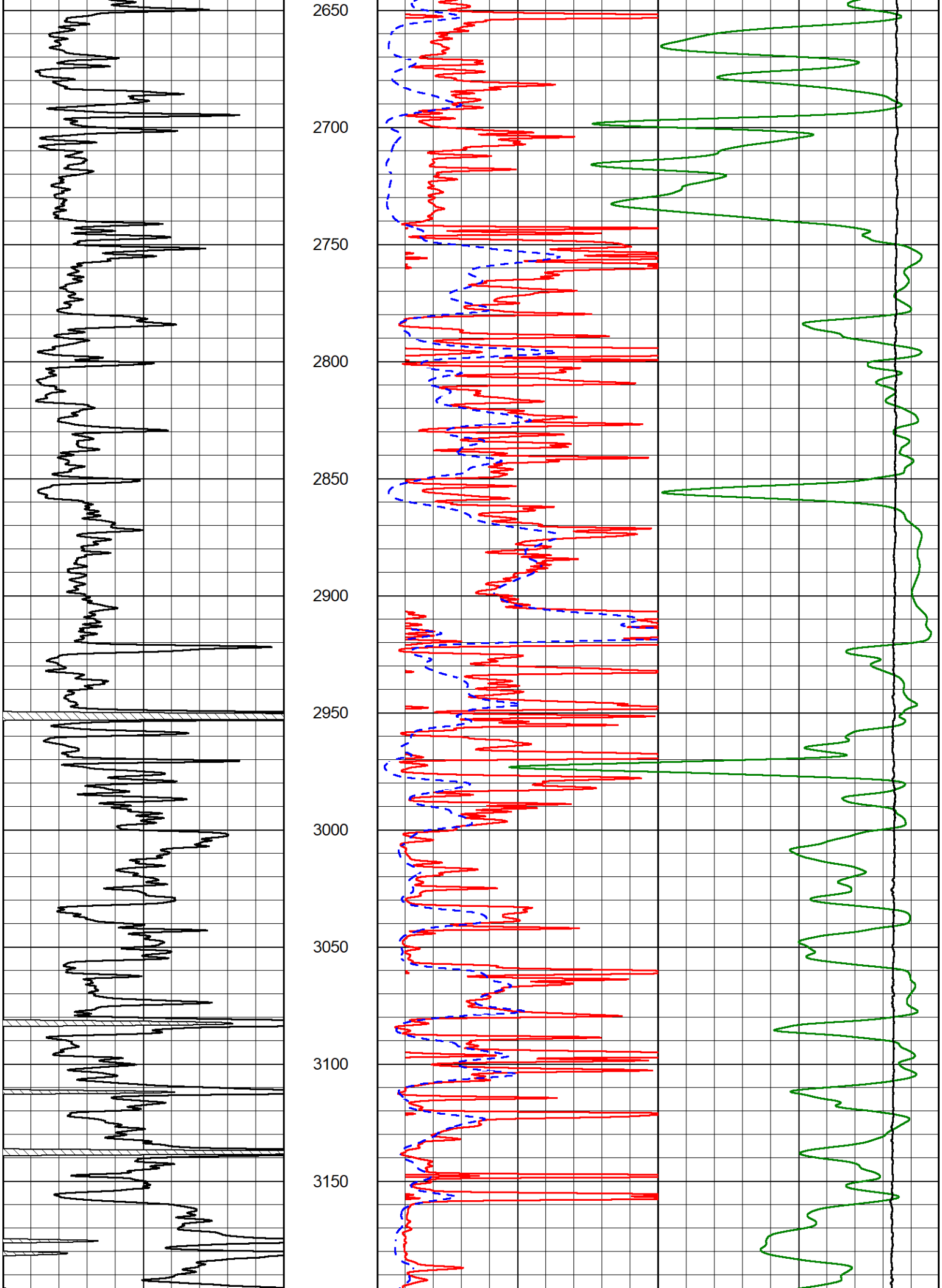


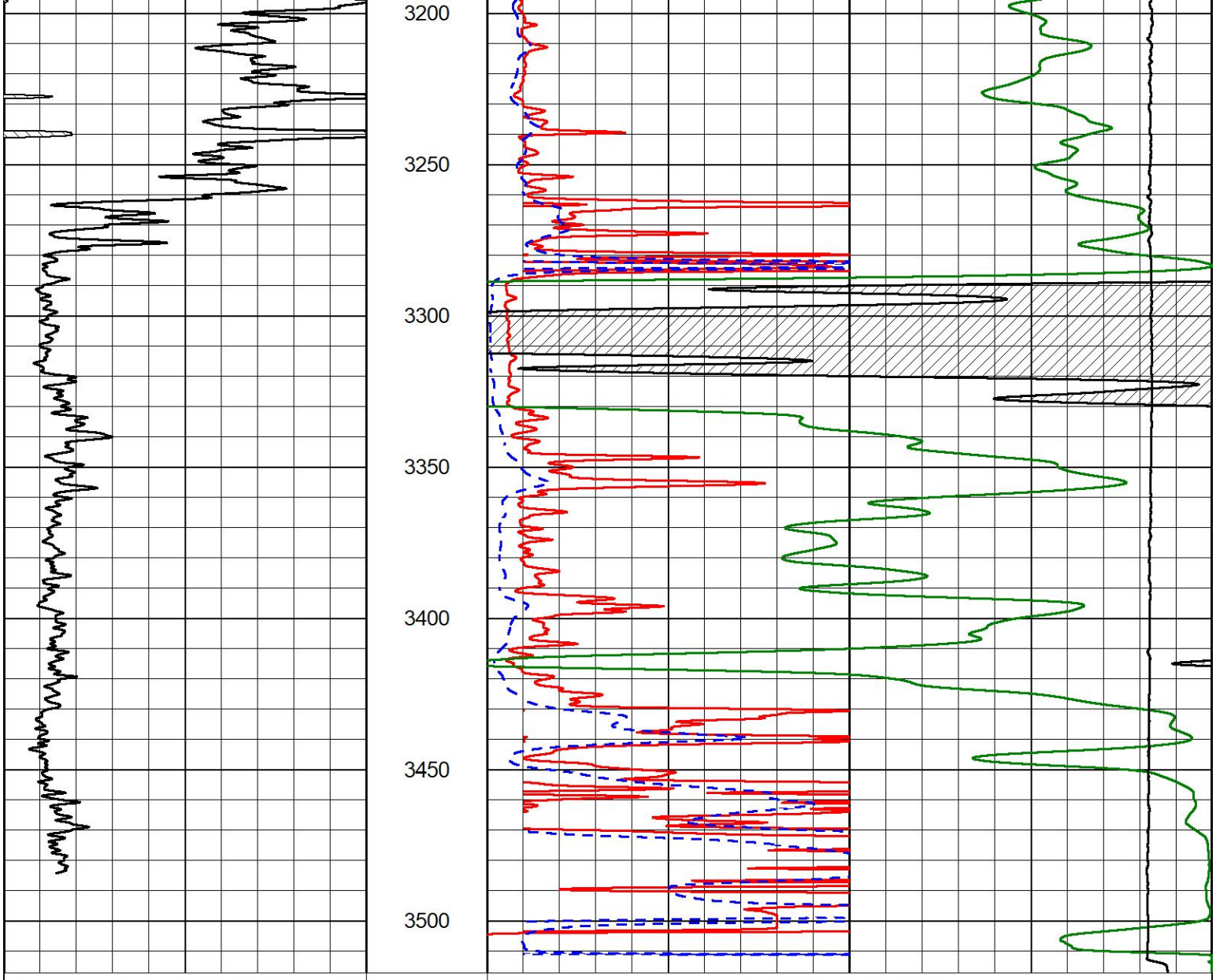

450
500
550
600
650
700
750
800
850
900
950


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

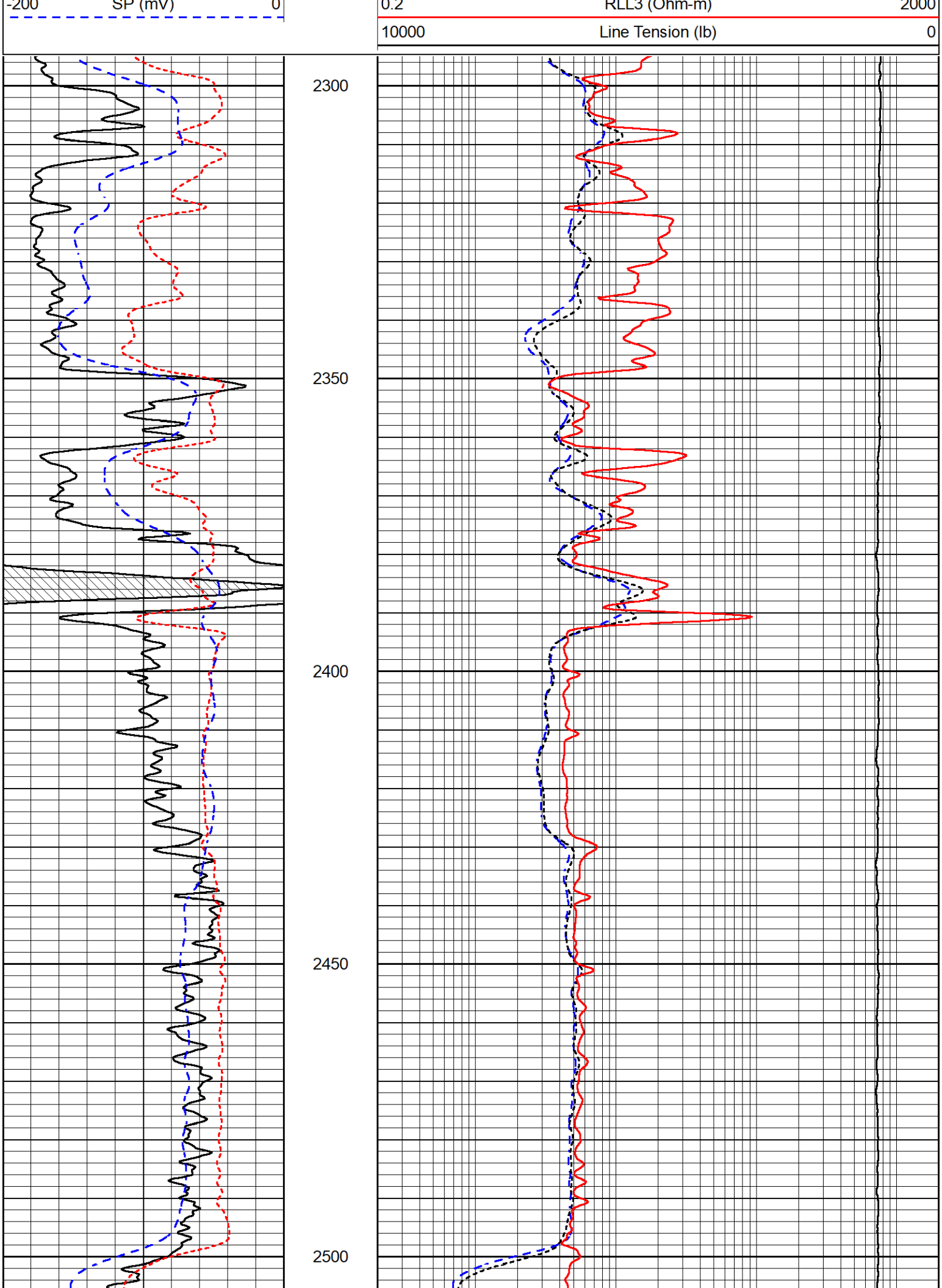
DETAIL SECTION

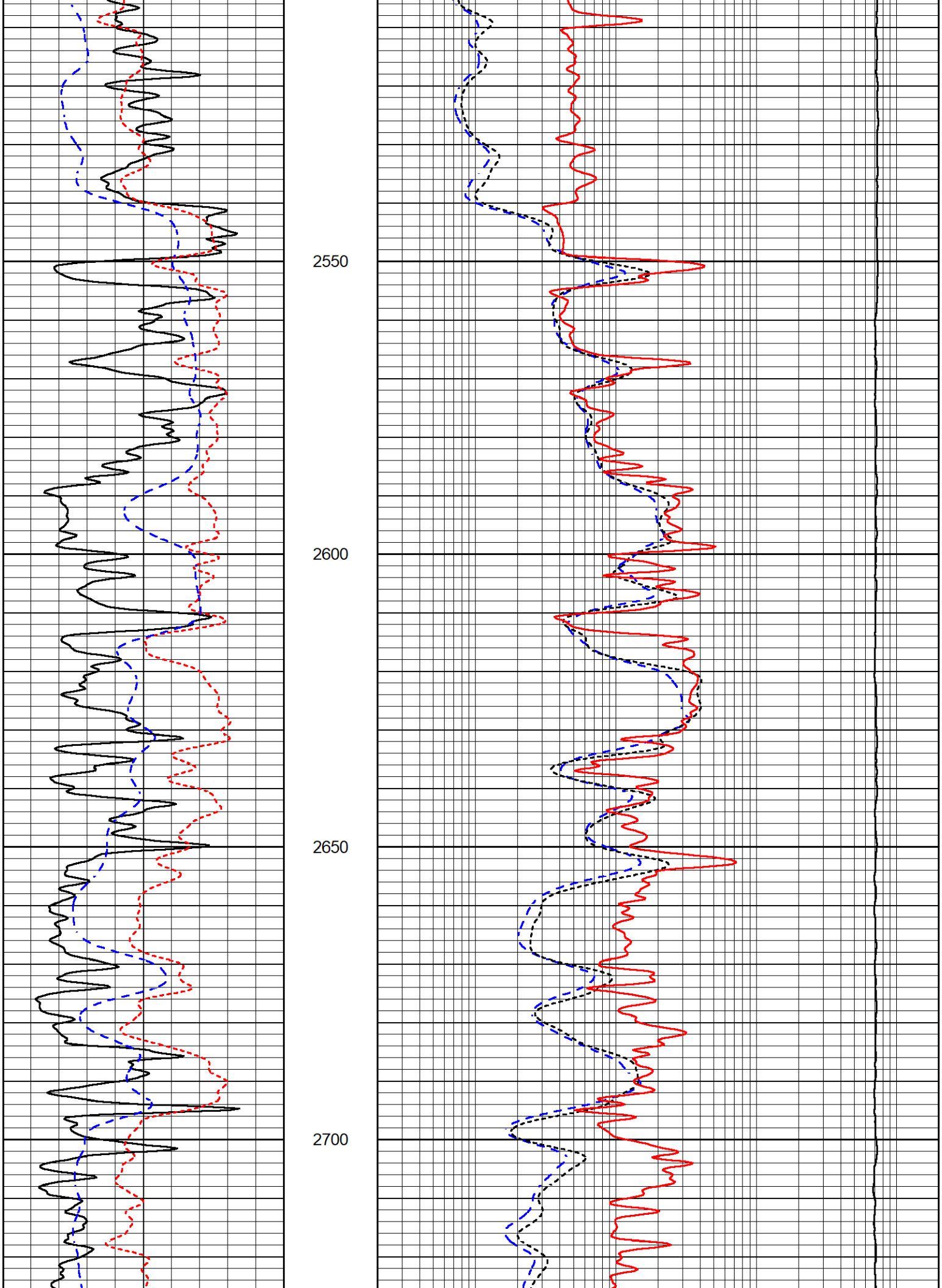
MAIN PASS

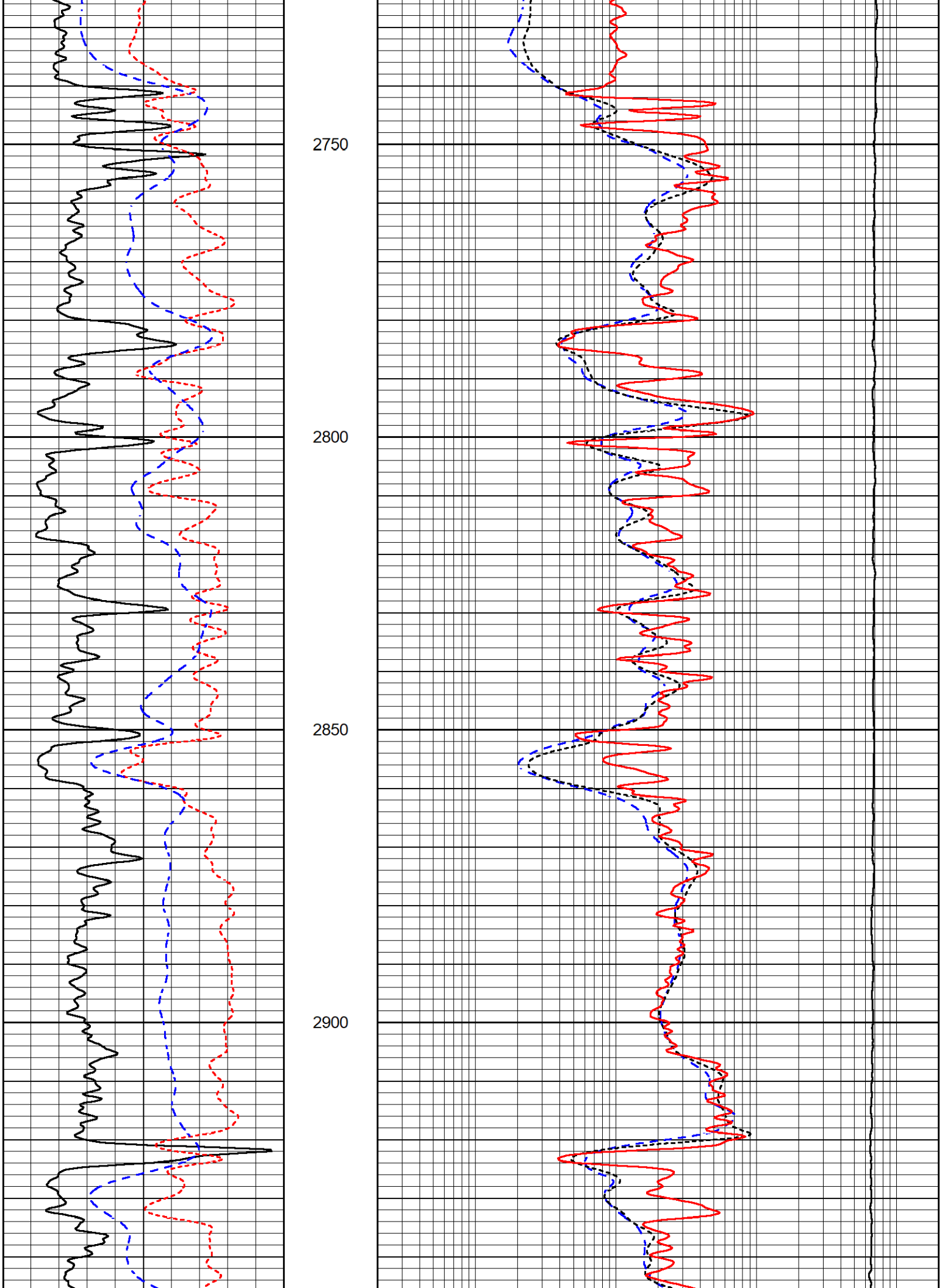
Database File	ressler_myer #11.db
Dataset Pathname	Stack/pass3.1
Presentation Format	_dil
Dataset Creation	Sat Oct 07 03:37:13 2023
Charted by	Depth in Feet scaled 1:240

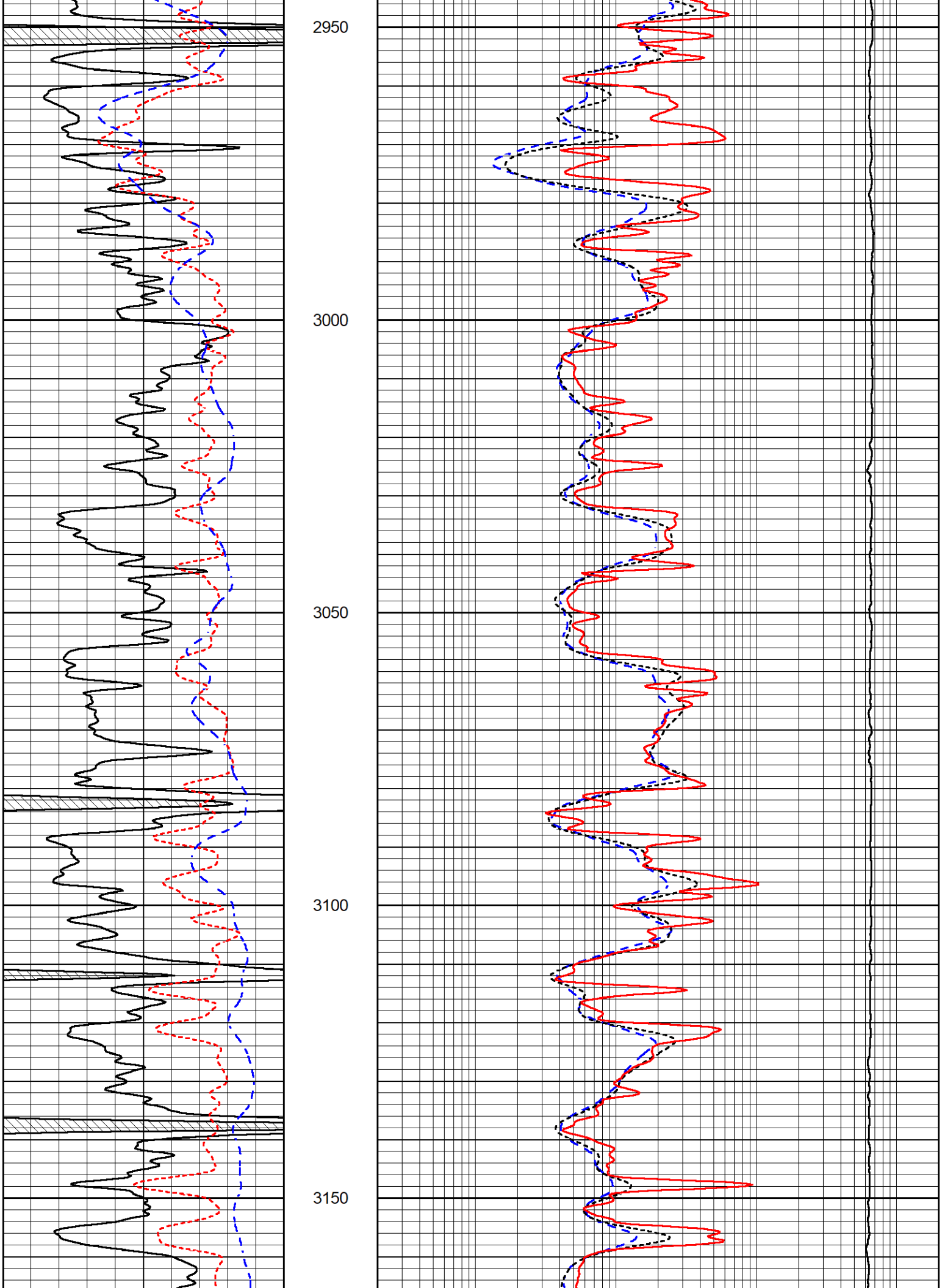
0	Gamma Ray (GAPI)	150
-160	RXORT	40

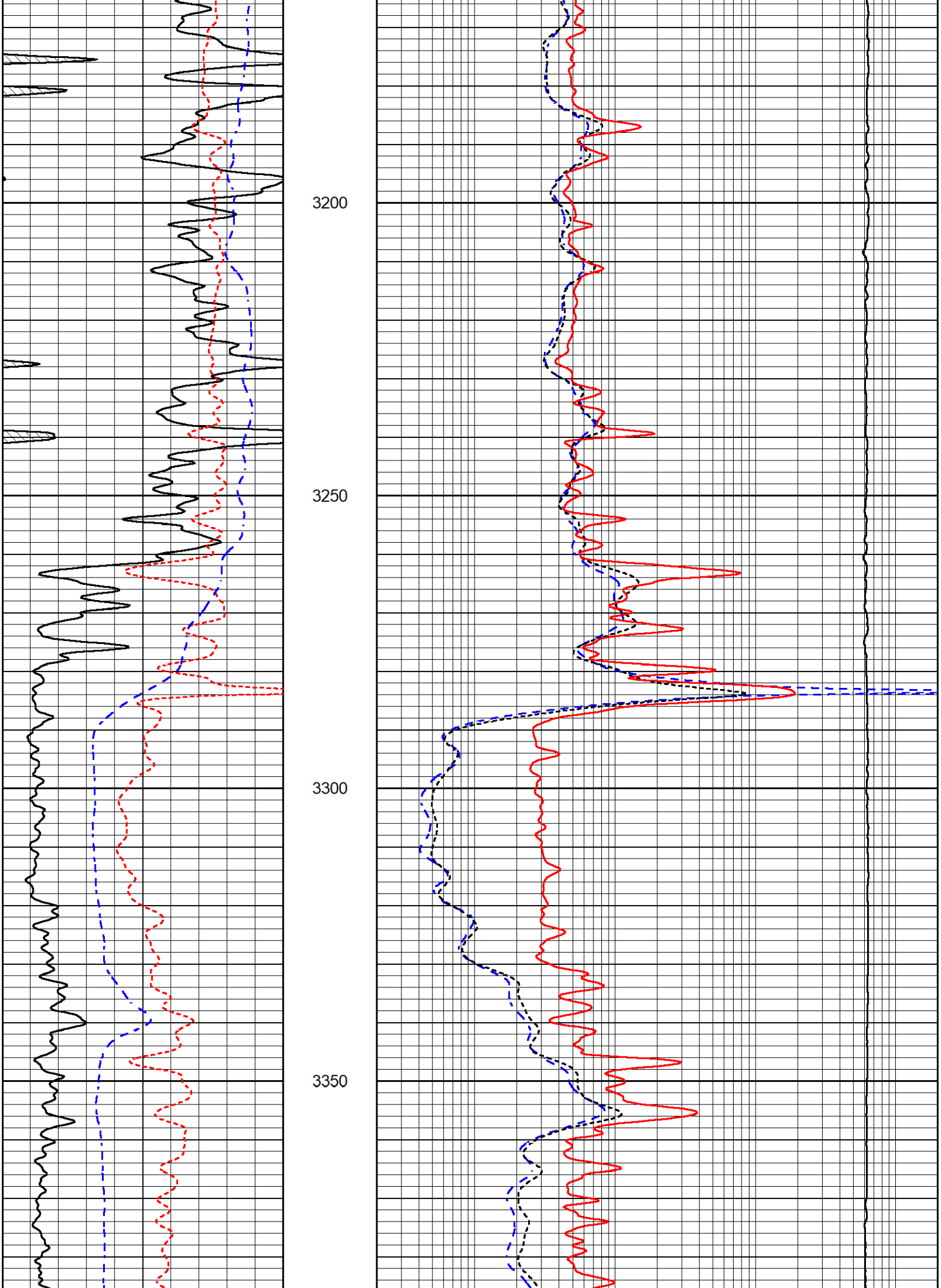
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000

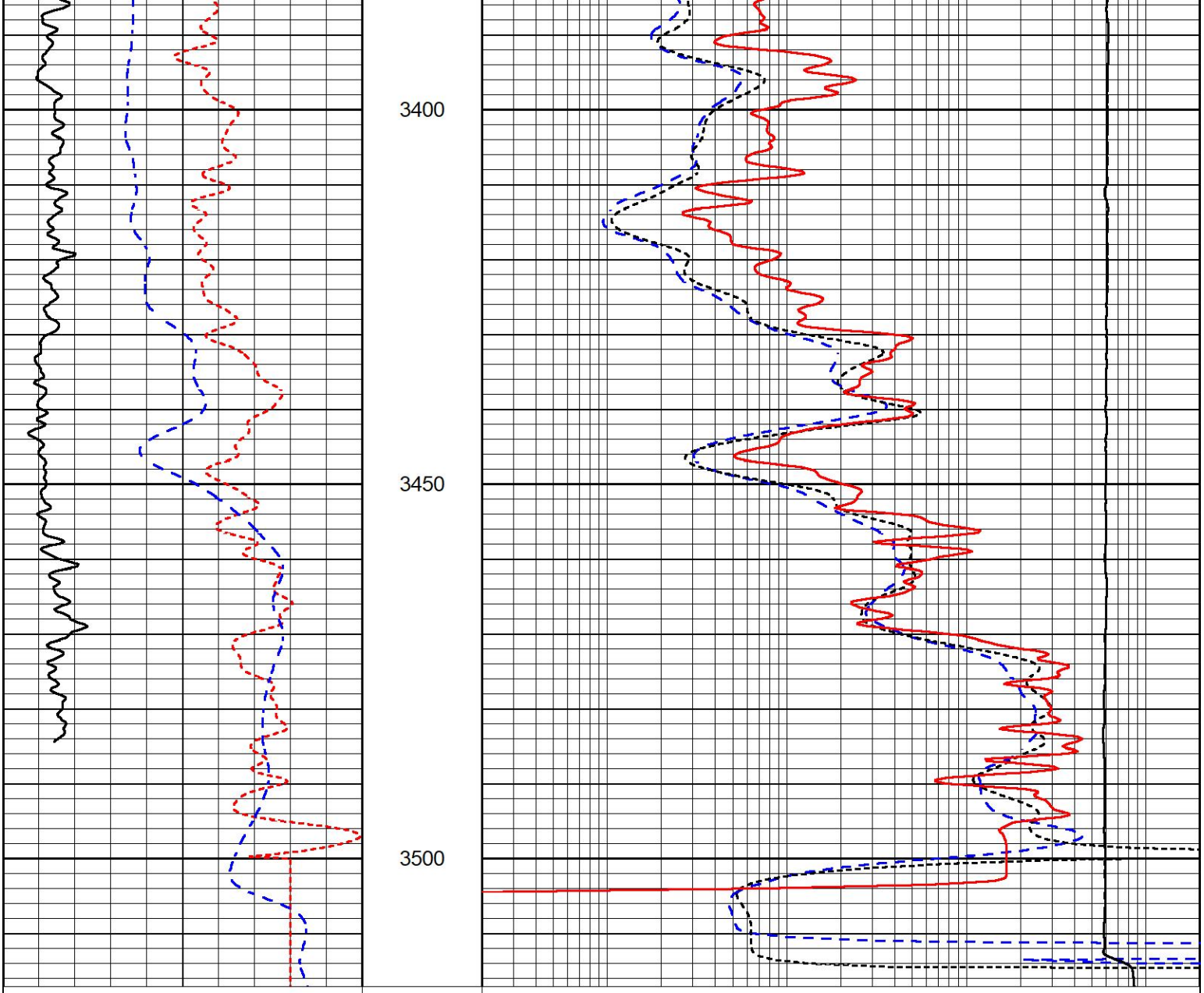

-200
SP (mV)
0
0.2
RLL3 (Ohm-m)
2000
10000
Line Tension (lb)
0
2300
2350
2400
2450
2500


2550
2600
2650
2700


2750
2800
2850
2900


2950
3000
3050
3100
3150


3200
3250
3300
3350



0	Gamma Ray (GAPI)	150
-160	RXORT	40
-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

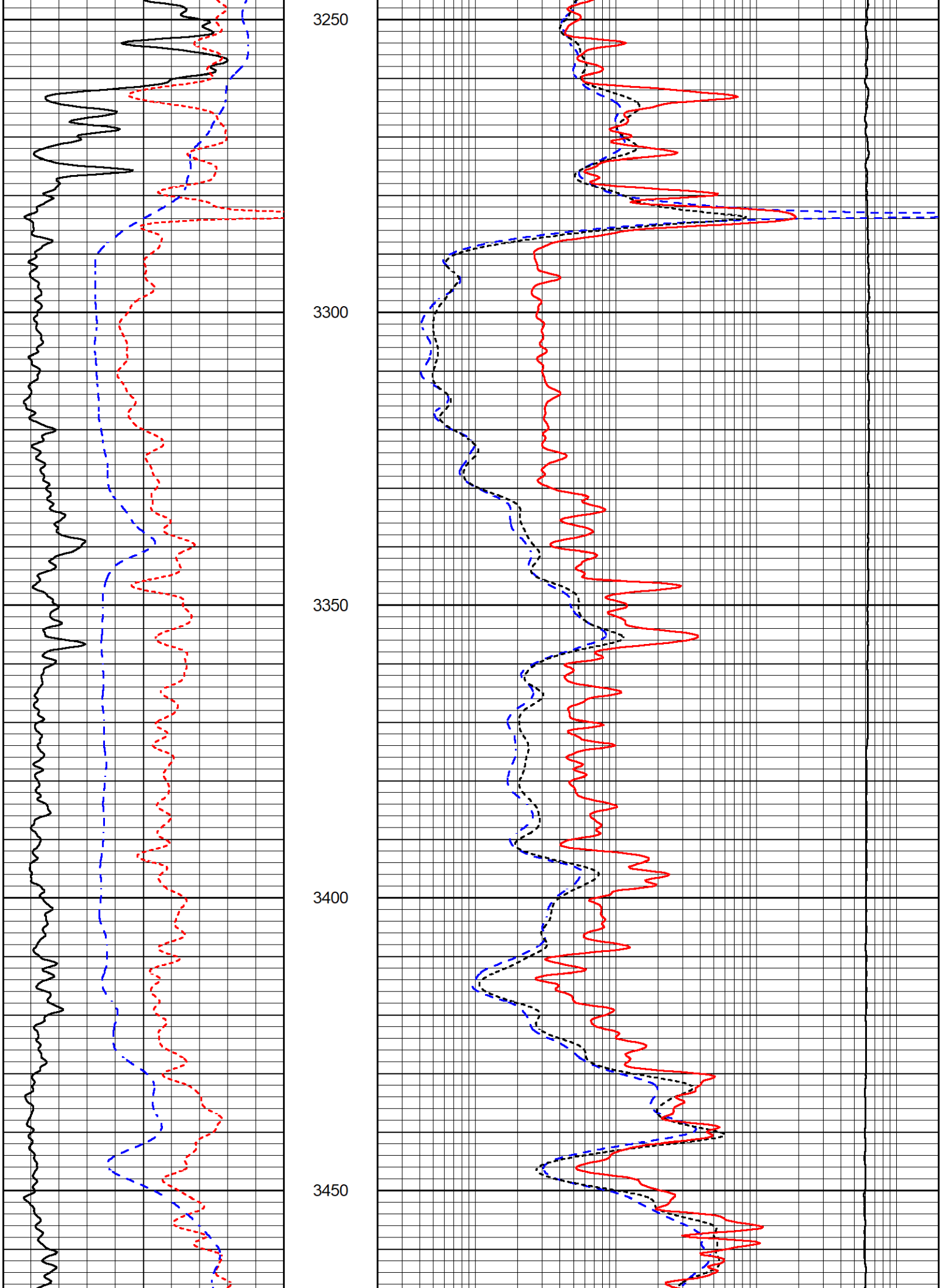
REPEAT SECTION

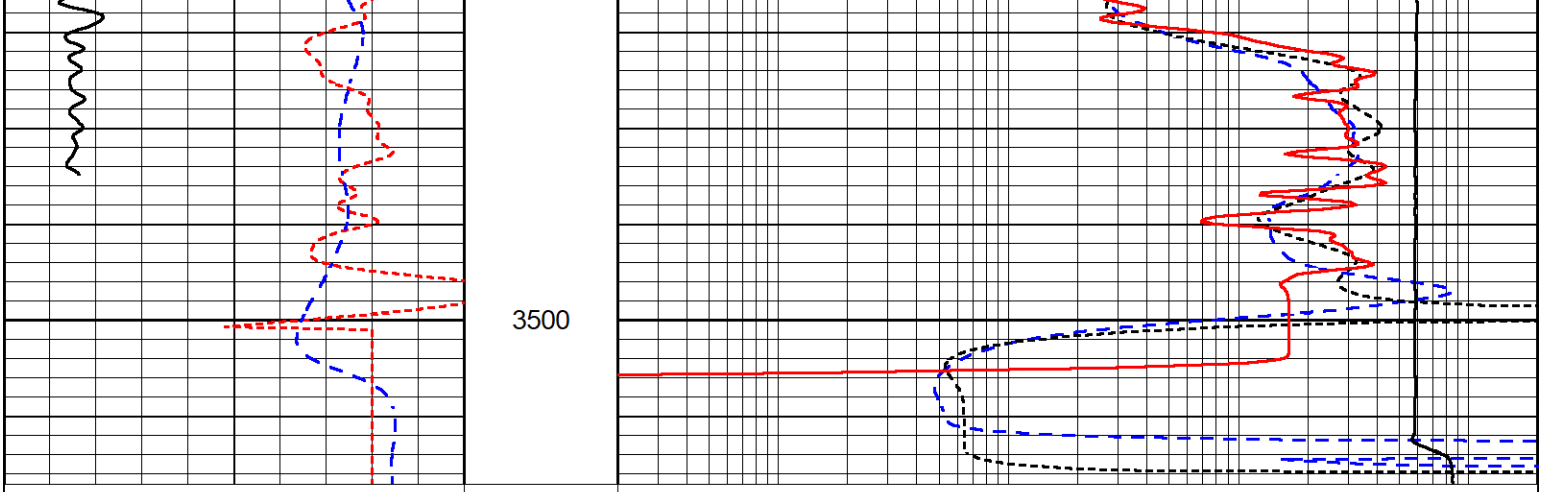
REPEAT PASS

Database File	ressler_myer #11.db
Dataset Pathname	Stack/pass2.1
Presentation Format	_dil
Dataset Creation	Sat Oct 07 02:53:08 2023
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
-160	RXORT	40
-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


3250
3300
3350
3400
3450



0	Gamma Ray (GAPI)	150
-160	RXORT	40
-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

Calibration Report

Database File ressler_myer #11.db
Dataset Pathname Stack/pass3.1
Dataset Creation Sat Oct 07 03:37:13 2023

Dual Induction Calibration Report

Serial-Model: 507-M&W
Surface Cal Performed:

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	68.570	638.100	0.000	255.800	mmho/m	0.500	-37.000
Medium	184.288	716.191	0.000	255.800	mmho/m	0.450	-79.000

Compensated Density Calibration Report

Serial-Model: 305-24-M&W
Source / Verifier: 20762B / 2ci
Master Calibration Performed: Thu Dec 8 15:47:27 2022
Before Survey Verification Performed:
After Survey Verification Performed:

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	4850.04	5582.39	cps
Aluminum	2.650	g/cc	926.48	3615.14	cps

Spine Angle = 75.29 Density/Spine Ratio = 0.523

	Size		Reading
Small Ring	4.00	in	1.74
Large Ring	14.00	in	1.38

Compensated Neutron Calibration Report

Serial Number: 207
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

PRE-SURVEY VERIFICATION

	Detector	Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps		pu		pu
2)	Short Space		cps				
	Long Space		cps		pu		
3)	Short Space		cps				
	Long Space		cps		pu		

POST-SURVEY VERIFICATION

	Detector	Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps		pu		pu
2)	Short Space		cps				
	Long Space		cps		pu		pu
3)	Short Space		cps				
	Long Space		cps		pu		pu

Gamma Ray Calibration Report

Serial Number:	107	
Tool Model:	M&W	
Performed:	Fri Dec 3 15:10:46 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps

MIDWEST WIRELINE

Company	Ressler Well Service, Inc.
Well	Myer #11
Field	Burrton
County	Reno
State	Kansas