MIDWEST WIRELINE

DUAL INDUCTION LOG

Company Griffin Management LLC
Well Madelyn 1
Field Turkey Creek East
County Barber State Kansas

Location: API # : 15-007-24499-00-00
990 FSL & 330 FEL
SEC 16 TWP 30S RGE 15W

Other Services
CNL/CDL
MEL

Permanent Datum Ground Level Elevation 1897
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 1902
D.F.
G.L. 1897

Company Griffin Management LLC
Well Madelyn 1
Field Turkey Creek East
County Barber
State Kansas

Date	7/12/2024			
Run Number	One			
Depth Driller	4867			
Depth Logger	4867			
Bottom Logged Interval	4866			
Top Log Interval	1000			
Casing Driller	8.625 @ 1019			
Casing Logger	1014			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	5000			
Density / Viscosity	9.6 55			
pH / Fluid Loss	9.0 9.6			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	.7 @ 76			
Rmf @ Meas. Temp	.53 @ 76			
Rmc @ Meas. Temp	.95 @ 76			
Source of Rmf / Rmc	CHARTS			
Rm @ BHT	.43 @ 125			
Operating Rig Time	3 Hours			
Max Rec. Temp. F	125			
Equipment Number	110			
Location	HAYS			
Recorded By	J. Henrickson			
Witnessed By	Eli Felts			

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Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Croft Kansas
S to Y, East Into

Log Measured From: Kelly Bushing 5 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: J. Henrickson	Primary Witness: Eli Felts
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_madelyn_1.db
Dataset field/well/stackml/pass3.1/_vars_

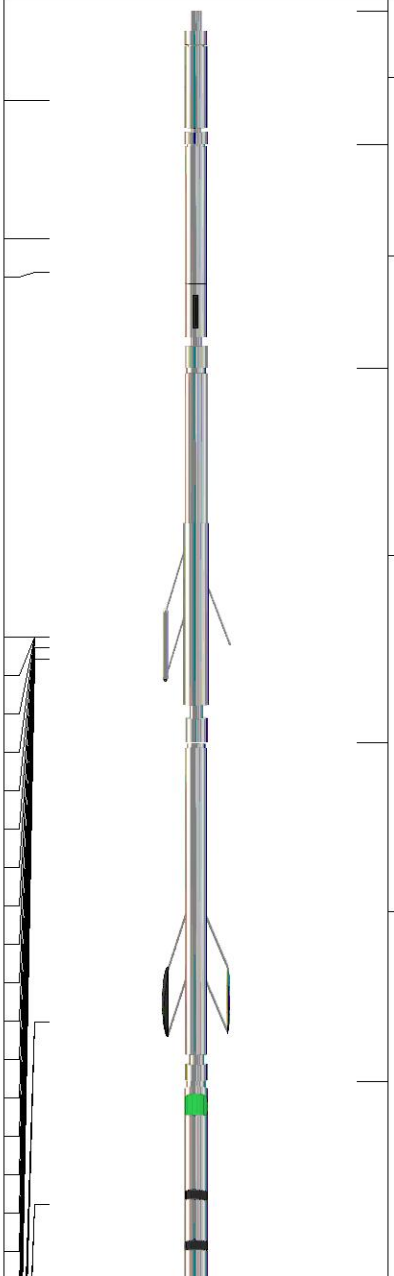
Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	125	5.5	0	1	2	2.71

NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	0	0	120	77	Off	4867

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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
GR	40.23		GR-M&W (105)	3.00	3.50	50.00
CNLSC	37.13		CNT-M&W (210)	5.00	3.50	100.00
CNSSC	36.38					
			MWLith-STEP LITHO Short (703-03)	8.40	5.00	250.00
LCAL	28.21					
LLW8N	28.21					
LLW7N	28.21					
LLW6N	28.21					
LLW5N	28.21					
LLW4N	28.21					
LLW3N	28.21					
LLW2N	28.21		ML-PSI STKBL ML (402)	7.58	4.00	65.00
LLW1N	28.21					
LSLOCK	27.96					
LLLOCK	27.96					
PELTMPR	27.96					
LSHVNG	27.96					
LLHVNG	27.96					
LSW8N	27.71					
LSW7N	27.71					
LSW6N	27.71					

LSW5N	27.71				
LSW4N	27.71				
LSW3N	27.71				
LSW2N	27.71				
LSW1N	27.71				
MCAL	19.58	DIL-M&W (506)	18.25	3.50	220.00
MI	19.58				
MN	19.58				
RLL3F	15.50				
RLL3	15.50				
CILD	8.33				
CILM	4.50				
SP	0.20				

Dataset: griffin_madelyn_1.db: field/well/stackml/pass3.1
Total length: 42.23 ft
Total weight: 685.00 lb
O.D.: 5.00 in

MIDWEST WIRELINE

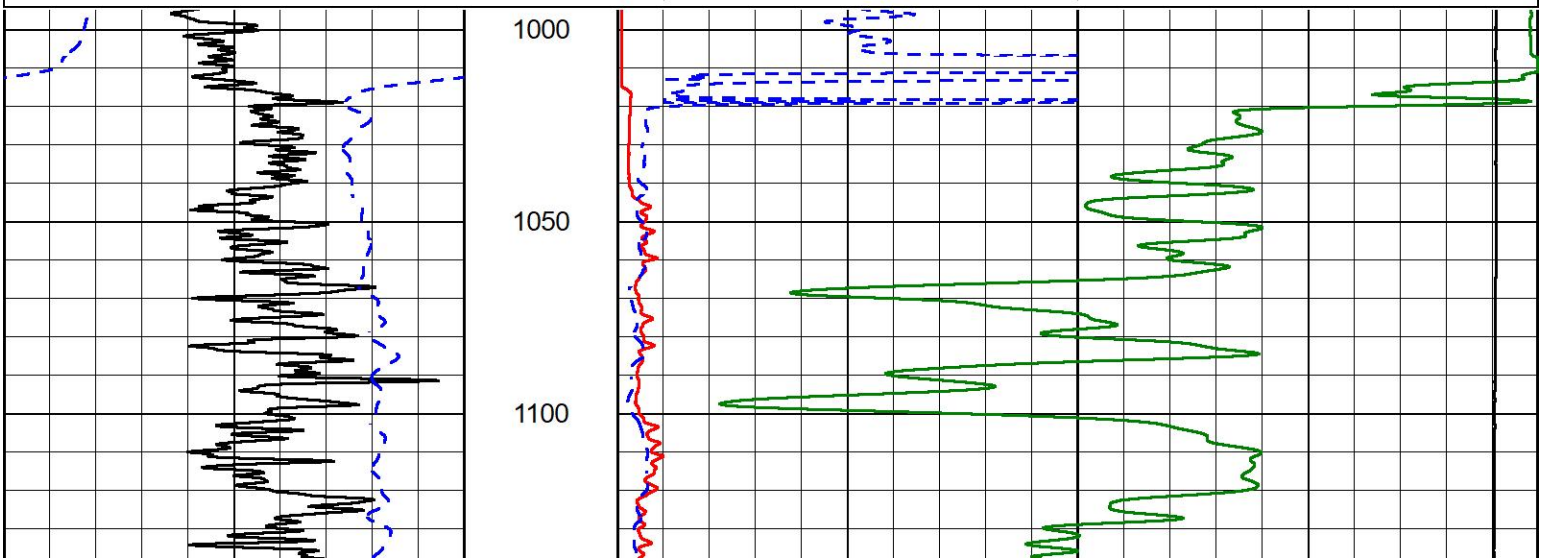
2" SCALE RESISTIVITY

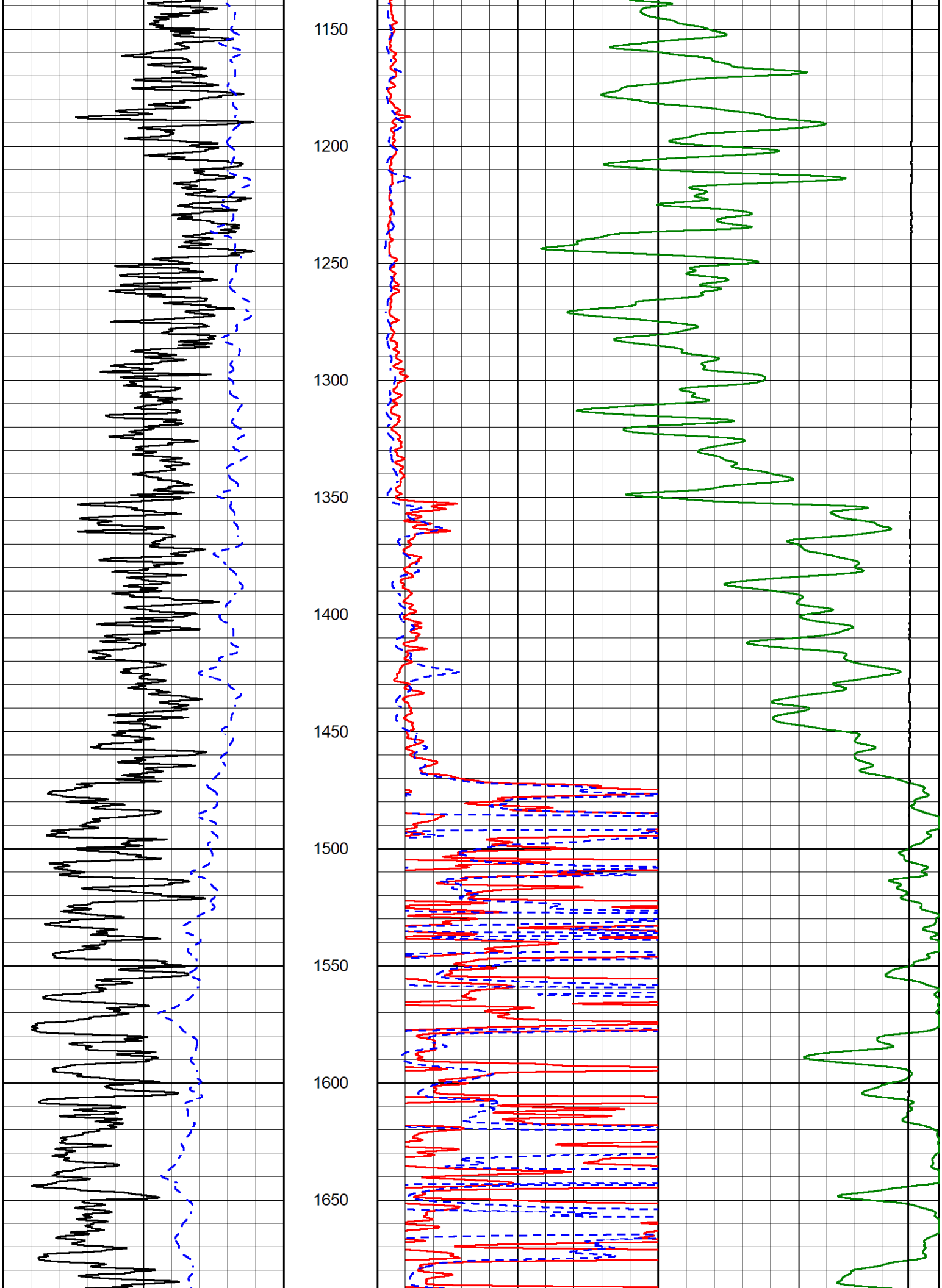
MAIN PASS

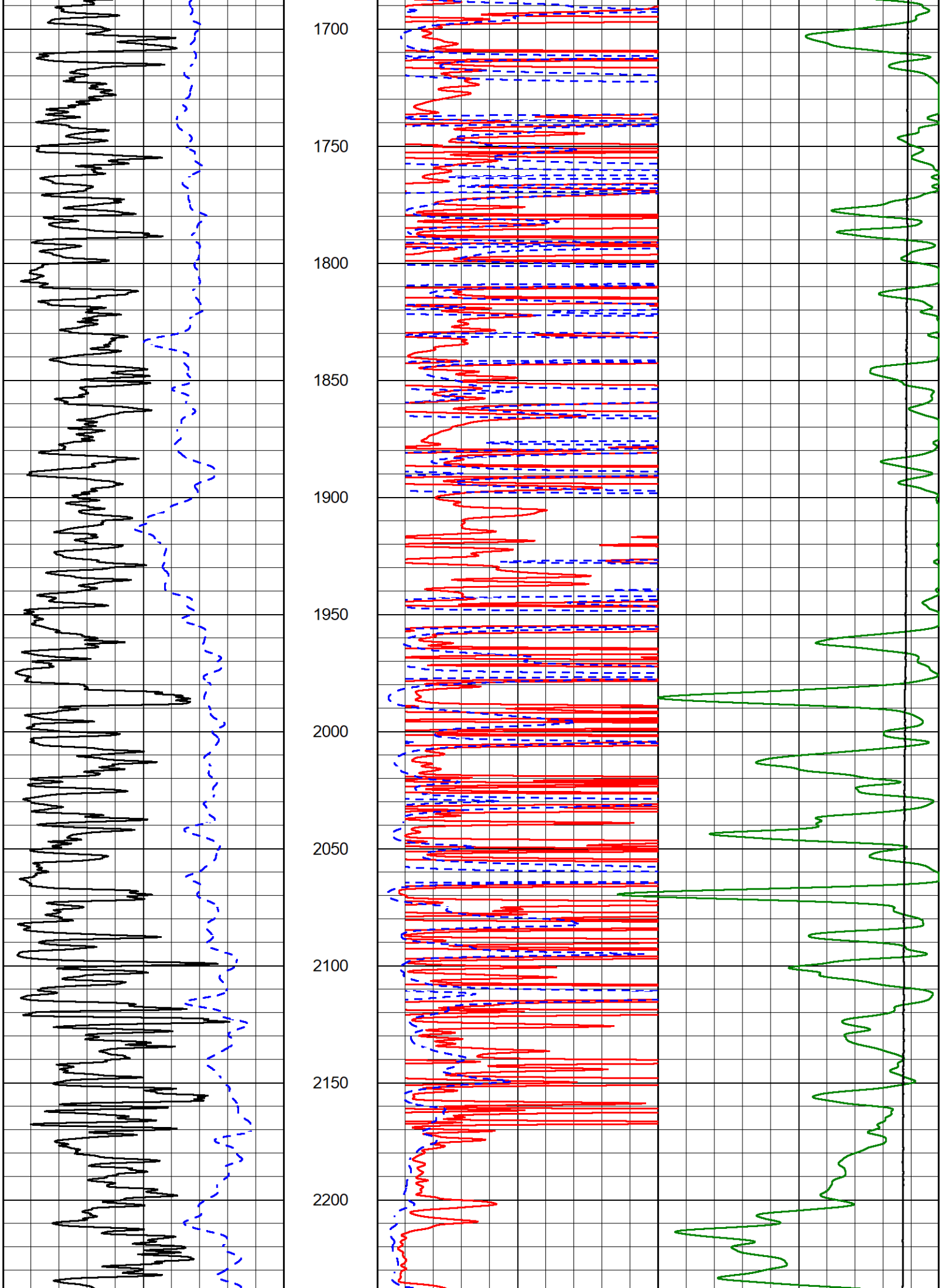
Database File griffin_madelyn_1.db
Dataset Pathname stackml/pass3.2
Presentation Format _dil2in
Dataset Creation Fri Jul 12 12:03:19 2024
Charted by Depth in Feet scaled 1:600

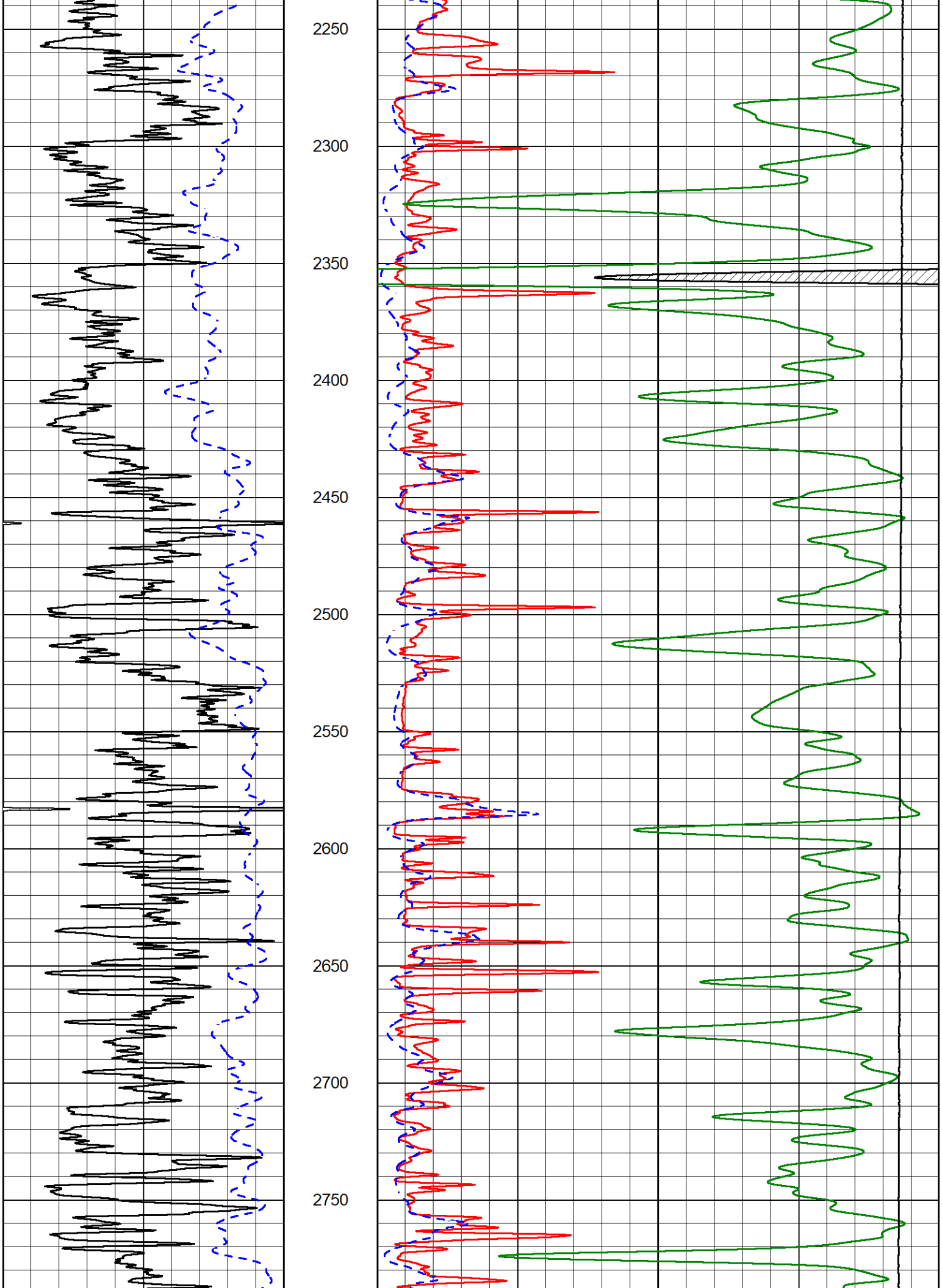
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

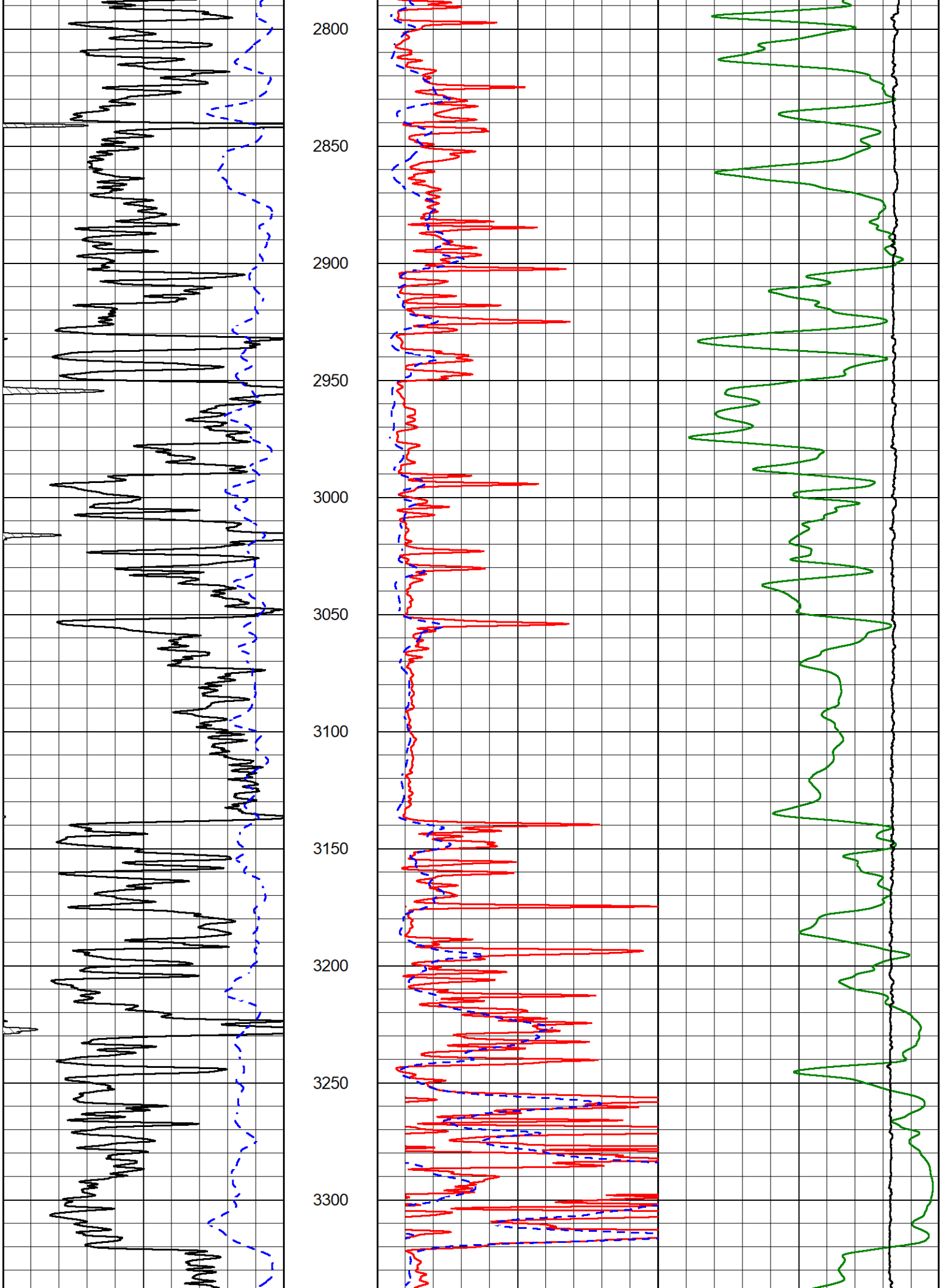
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
0	Shallow Resisitivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
	Shallow Resistivity	
50	(Ohm-m)	200
50	Deep Resistivity (Ohm-m)	200

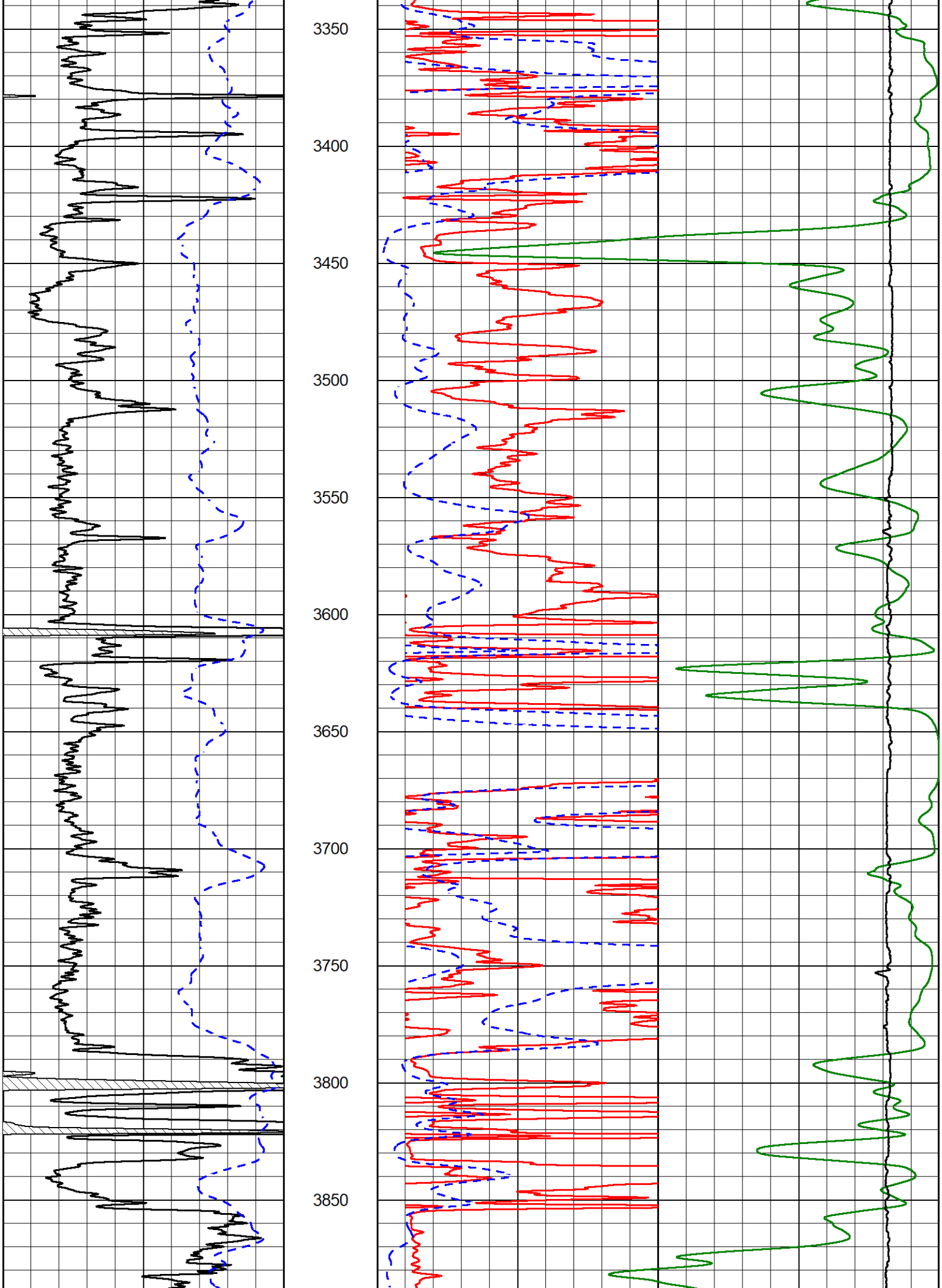



1150
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650


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
3200
3250
3300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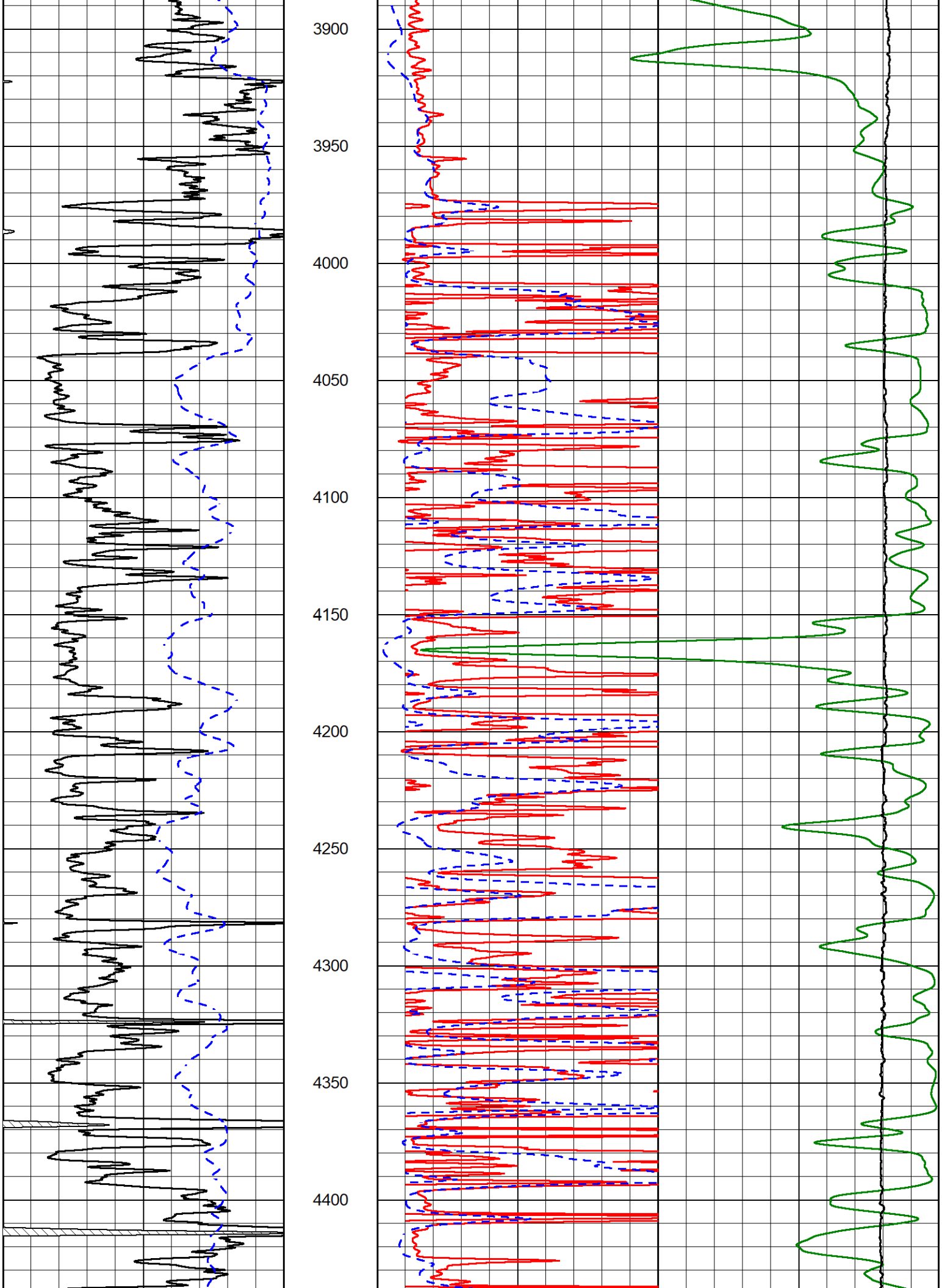
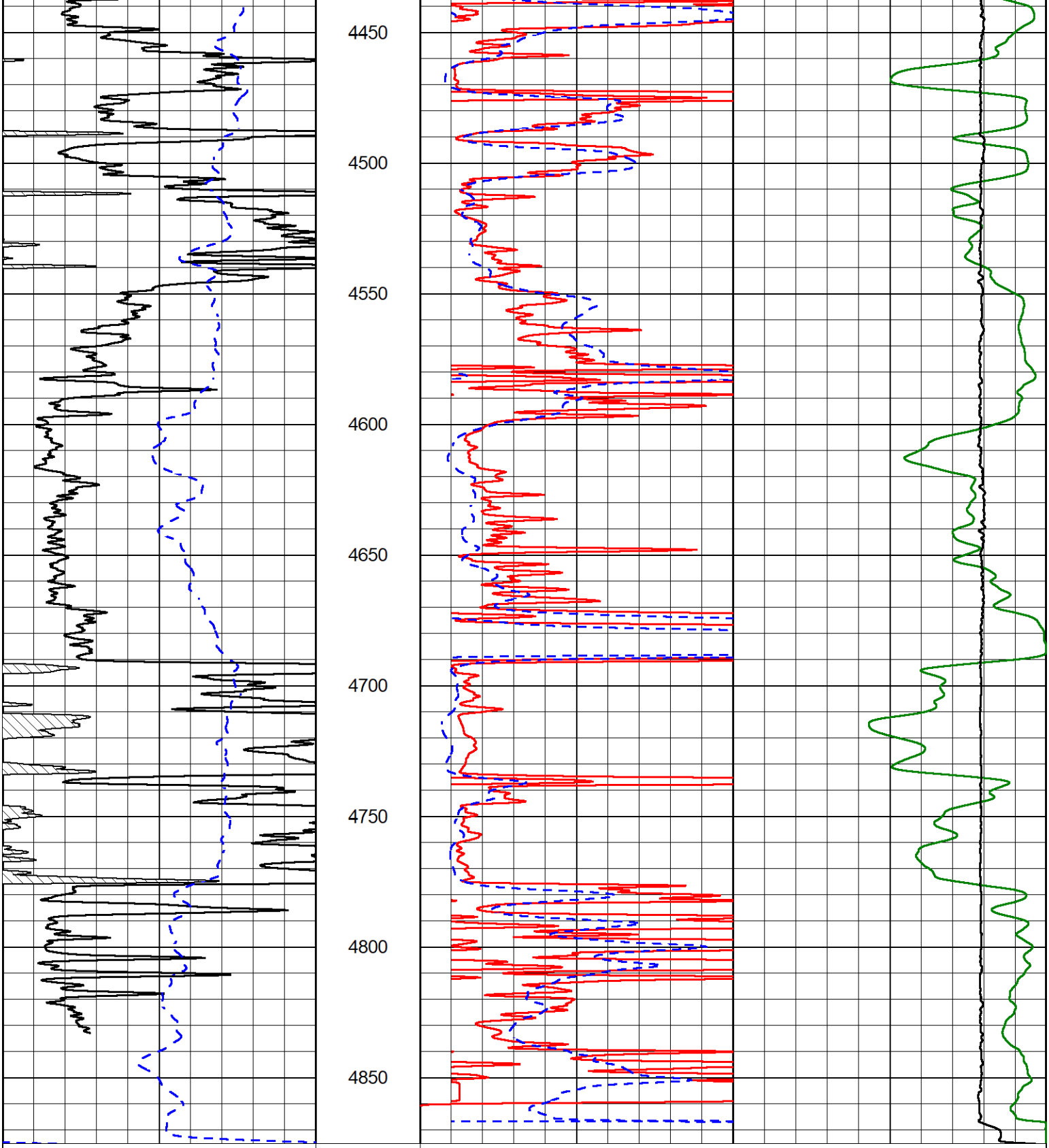
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850


3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400



DETAIL SECTION

MIDWEST WIRELINE

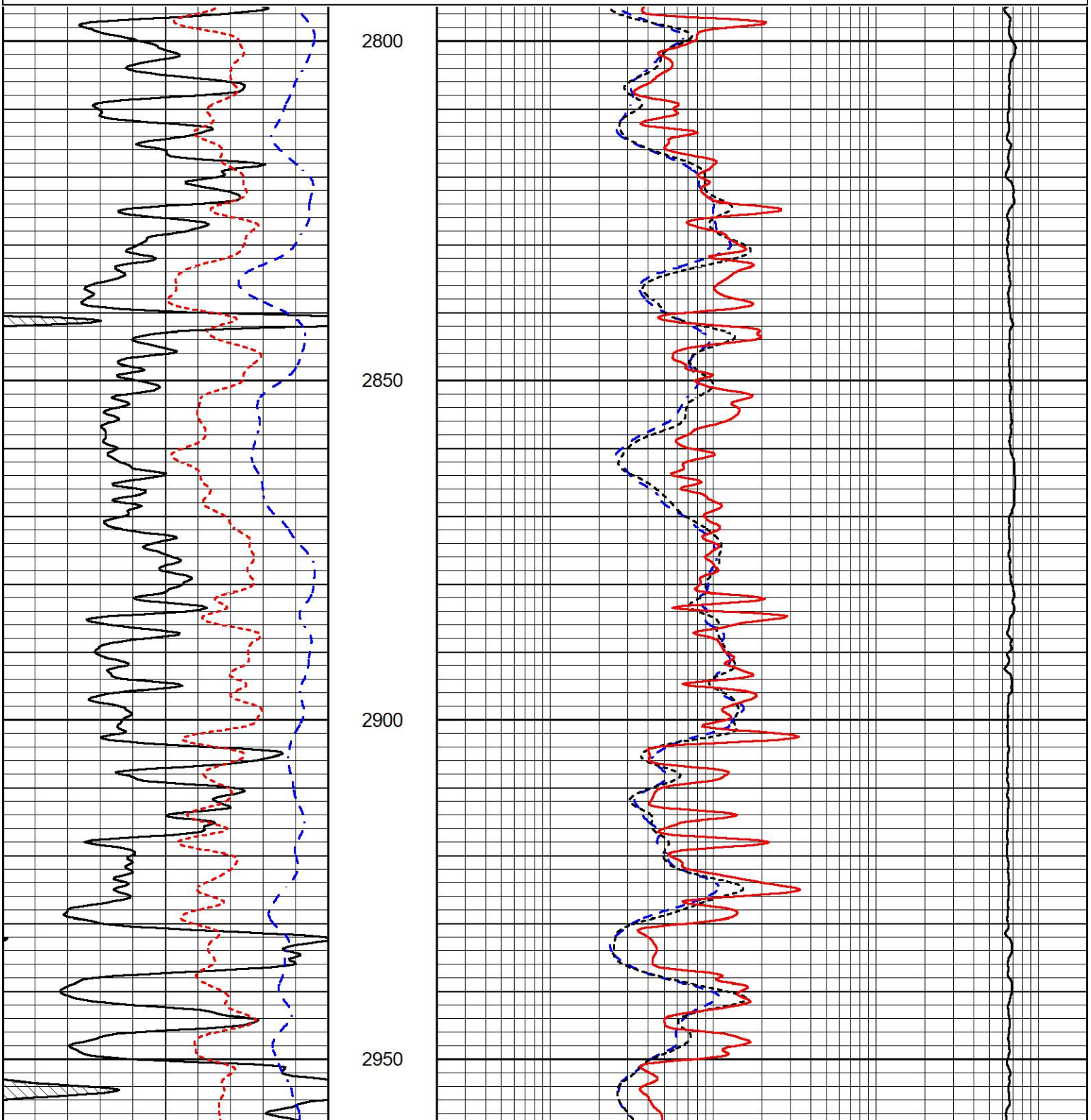
DETAIL SECTION

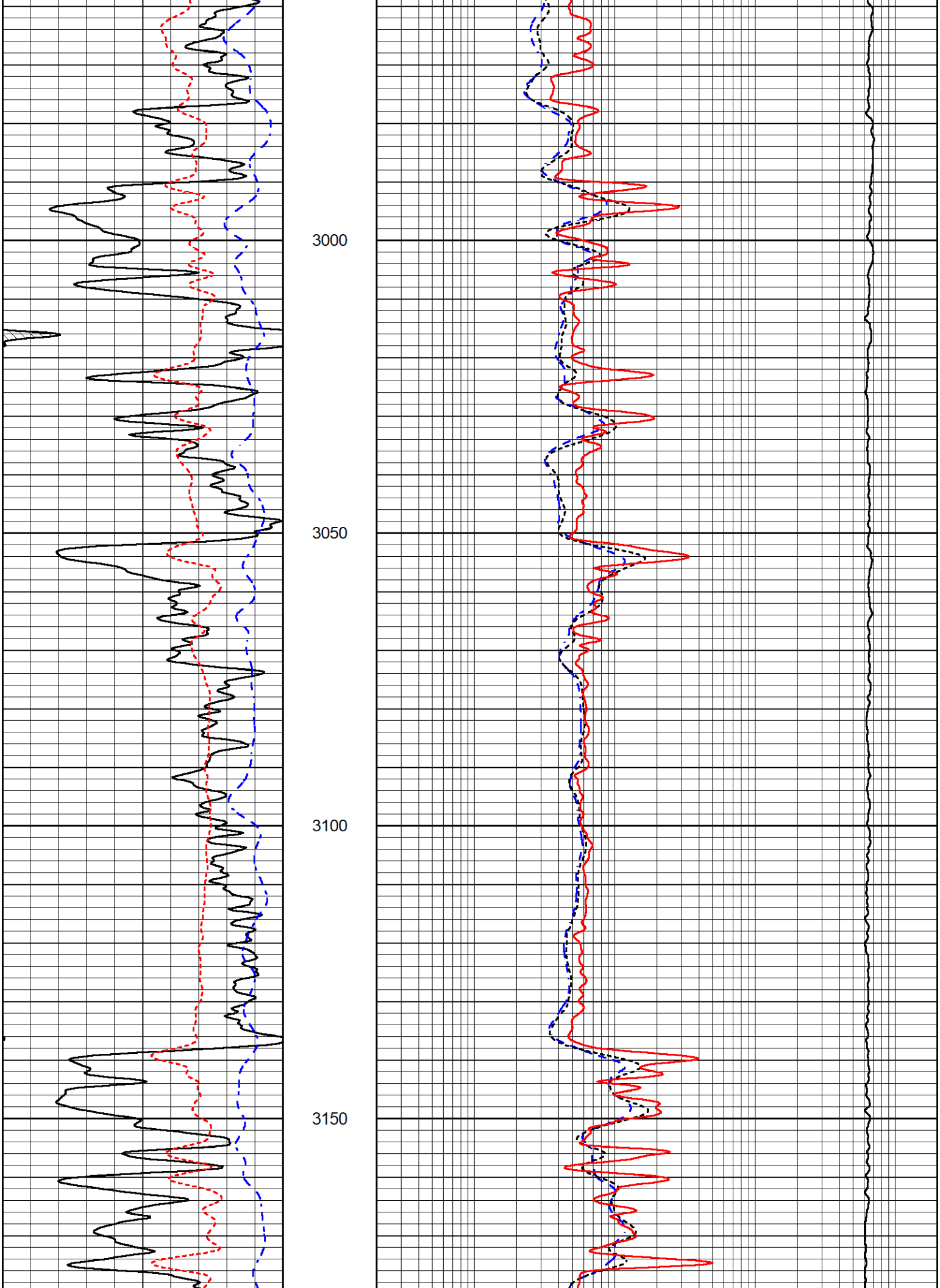
MAIN PASS

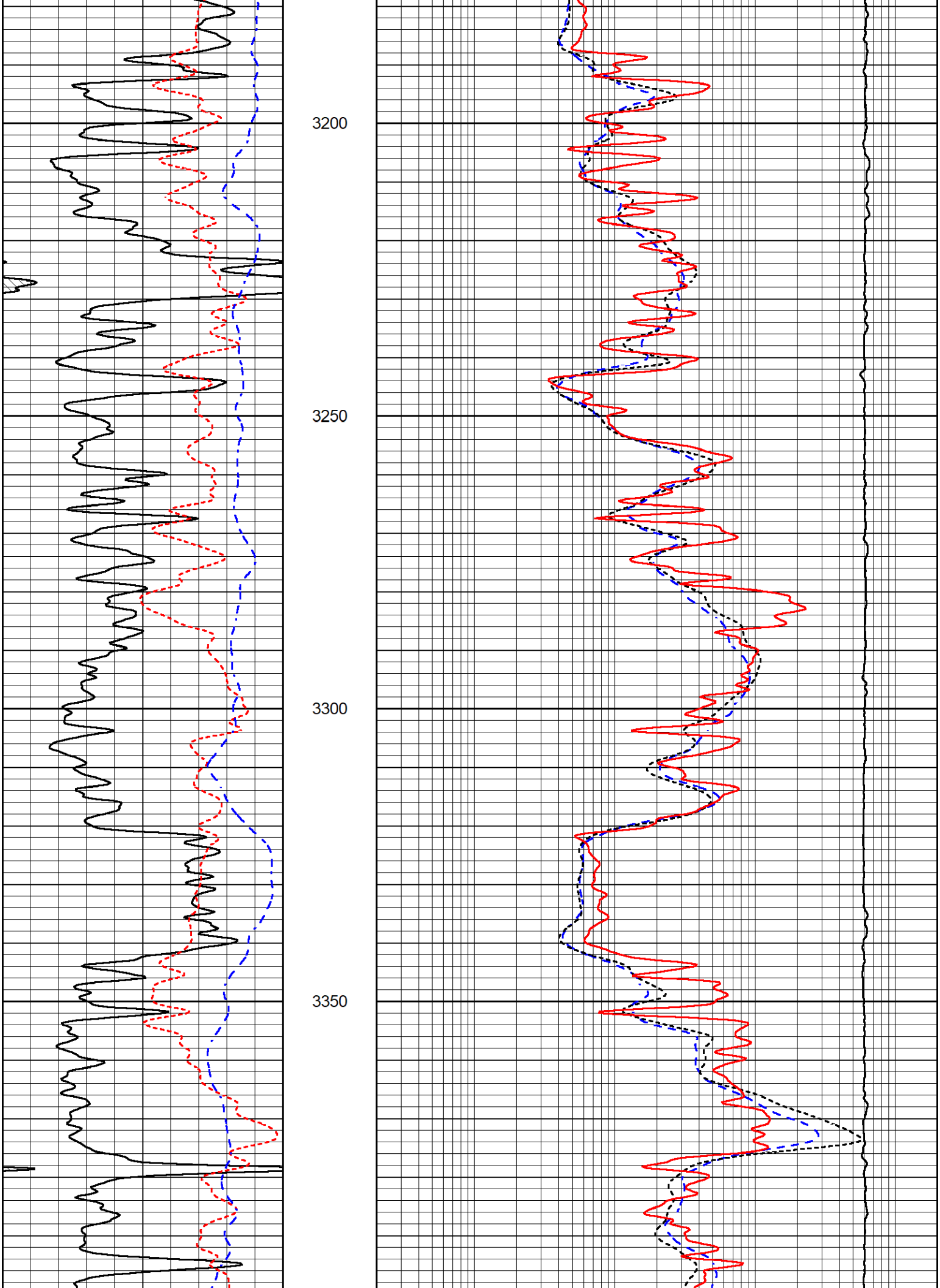
Database File	griffin_madelyn_1.db
Dataset Pathname	stackml/pass3.1
Presentation Format	_dil
Dataset Creation	Fri Jul 12 12:03:42 2024
Charted by	Depth in Feet scaled 1:240

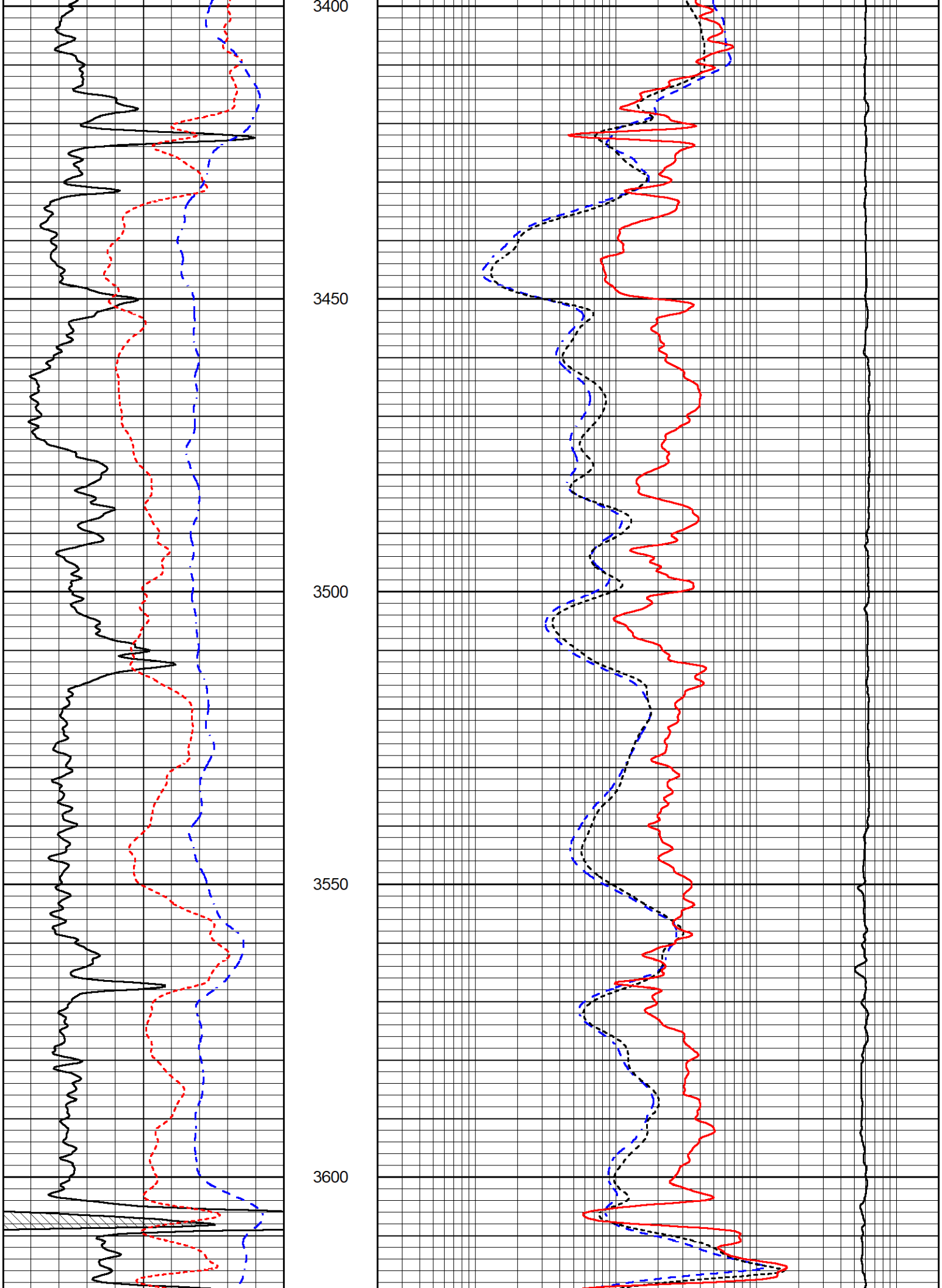
0	Gamma Ray (GAPI)	150
50	RXORT	250
-200	SP (mV)	0

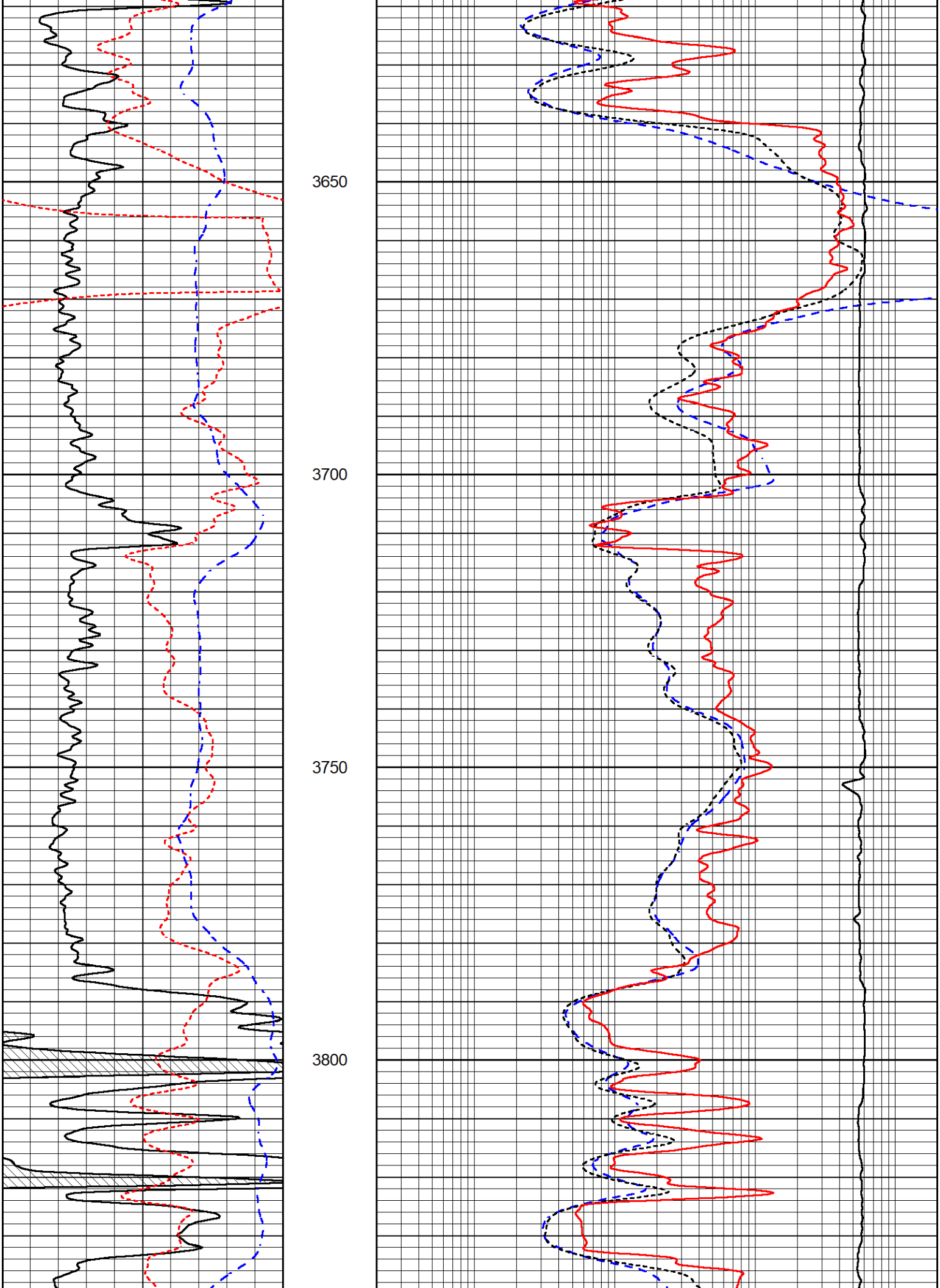
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0

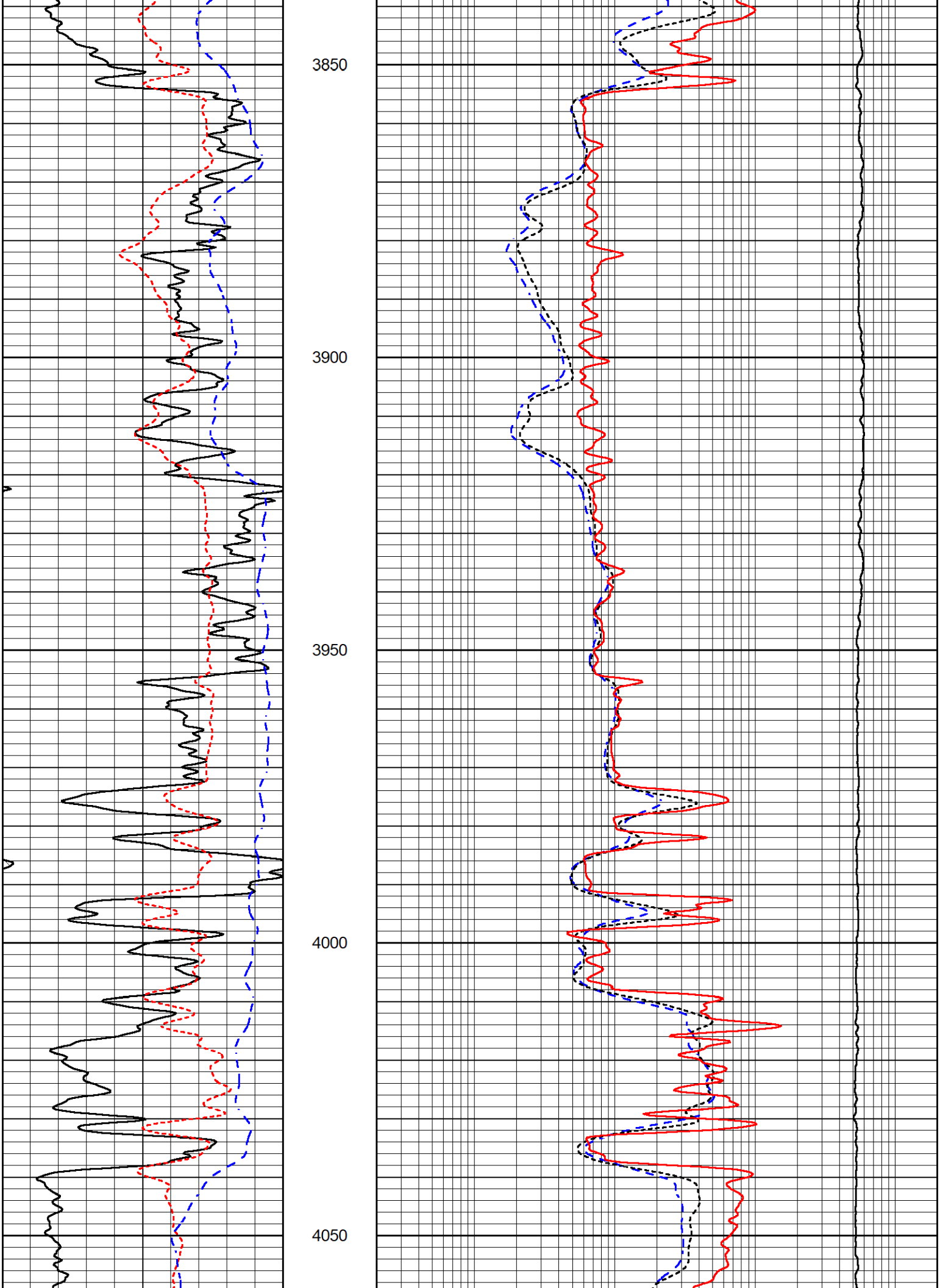


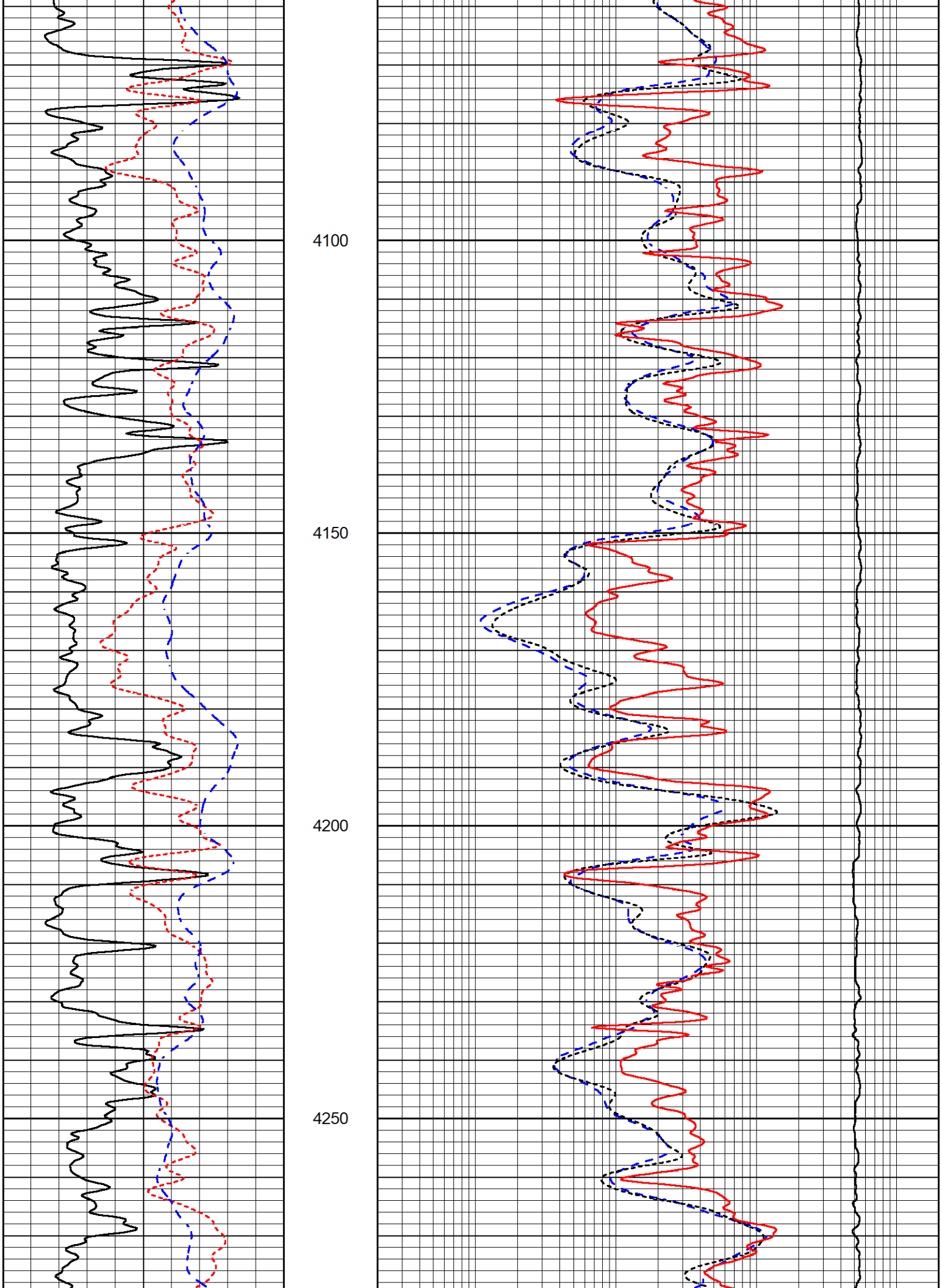

3000
3050
3100
3150

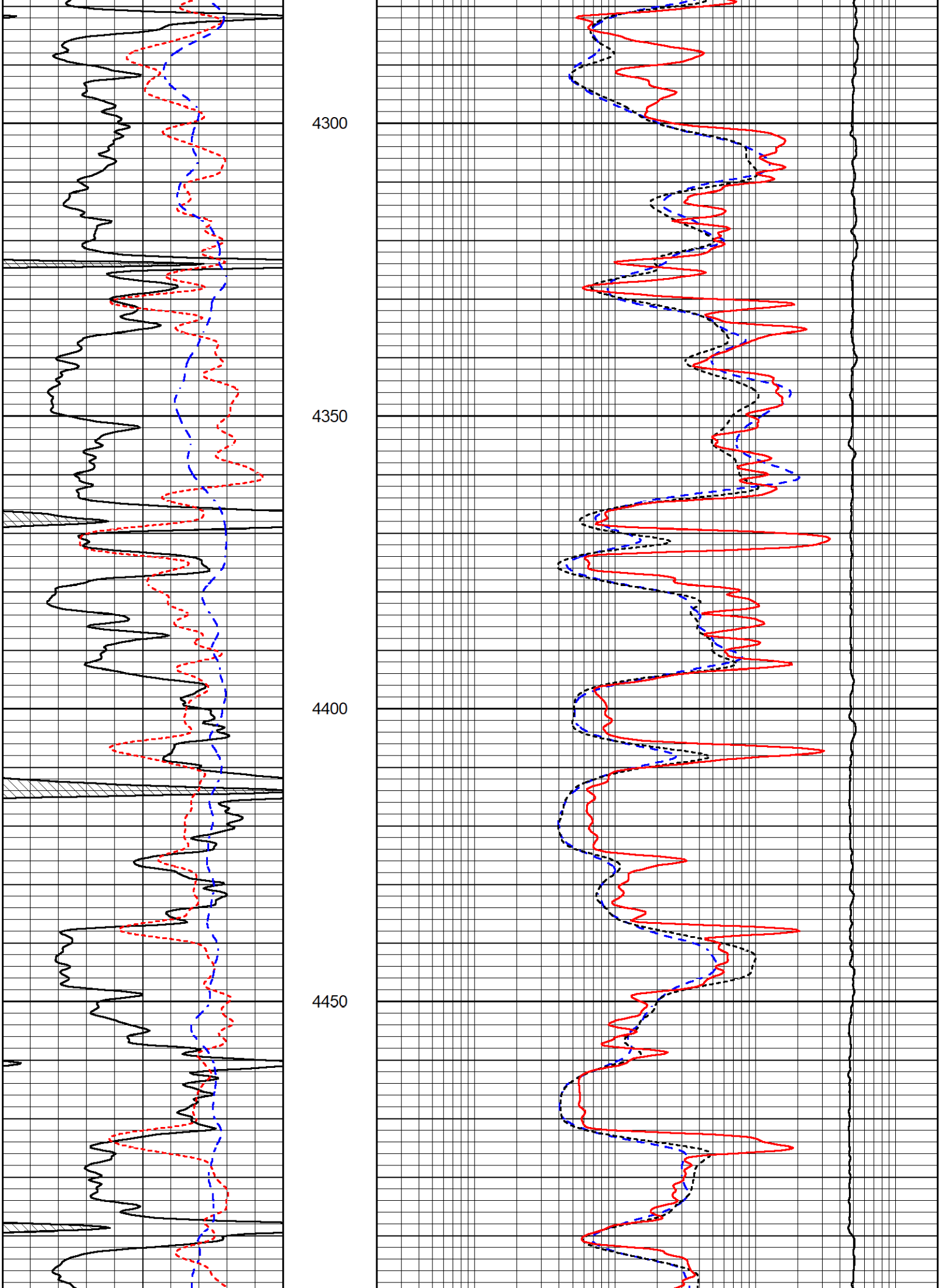

3200
3250
3300
3350

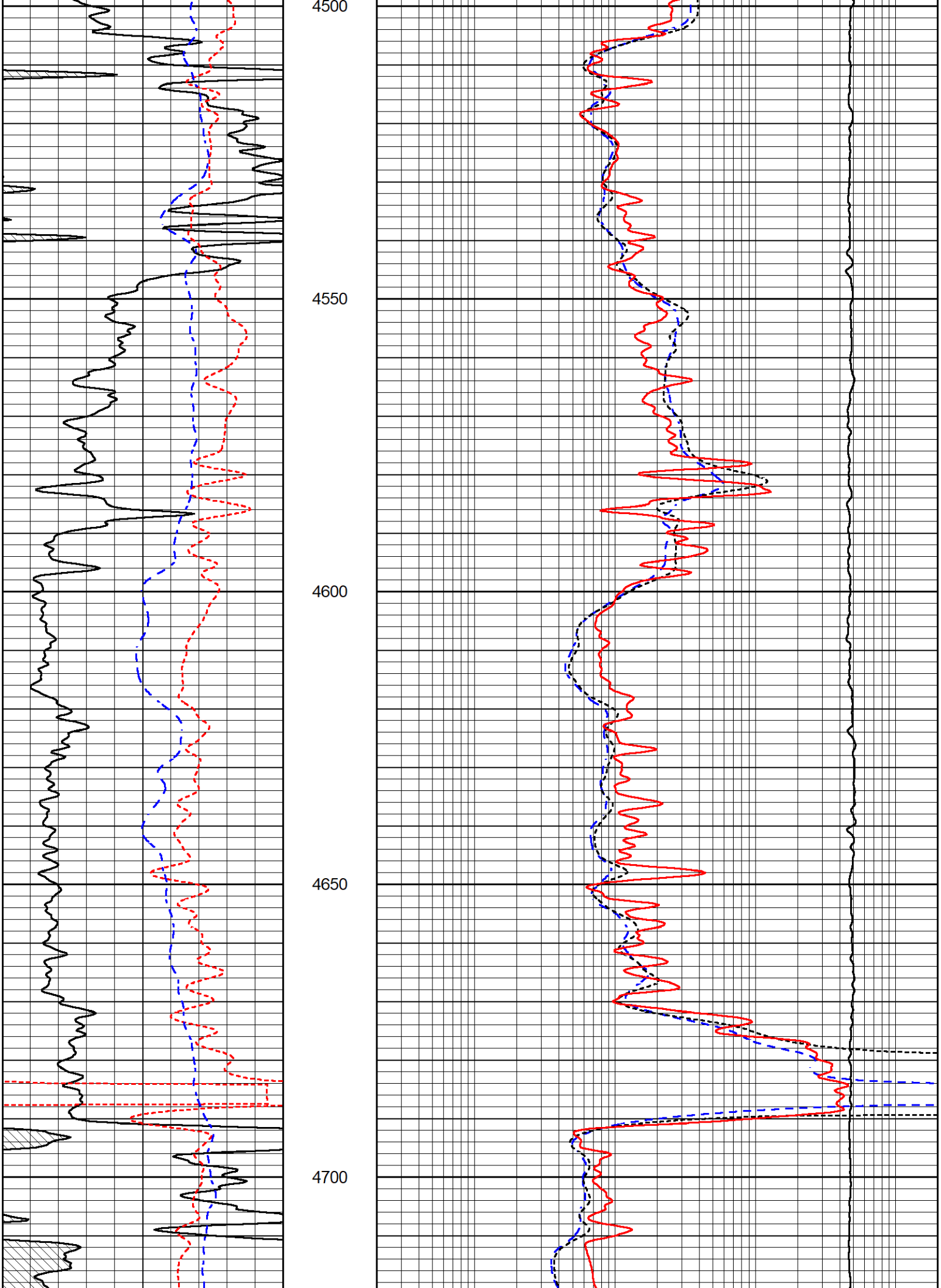

3400
3450
3500
3550
3600

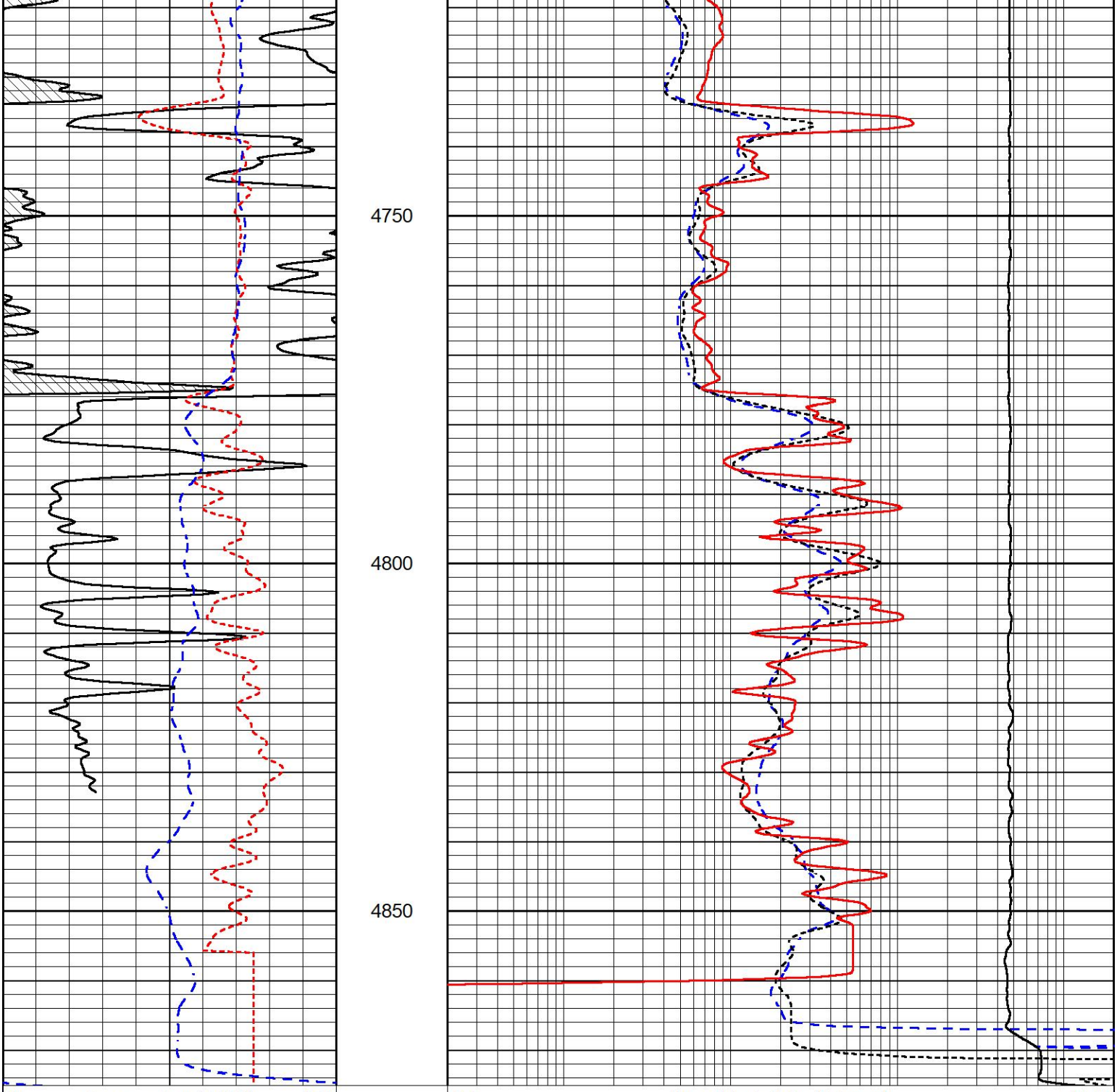

3650
3700
3750
3800


3850
3900
3950
4000
4050


4100
4150
4200
4250


4300
4350
4400
4450


4500
4550
4600
4650
4700

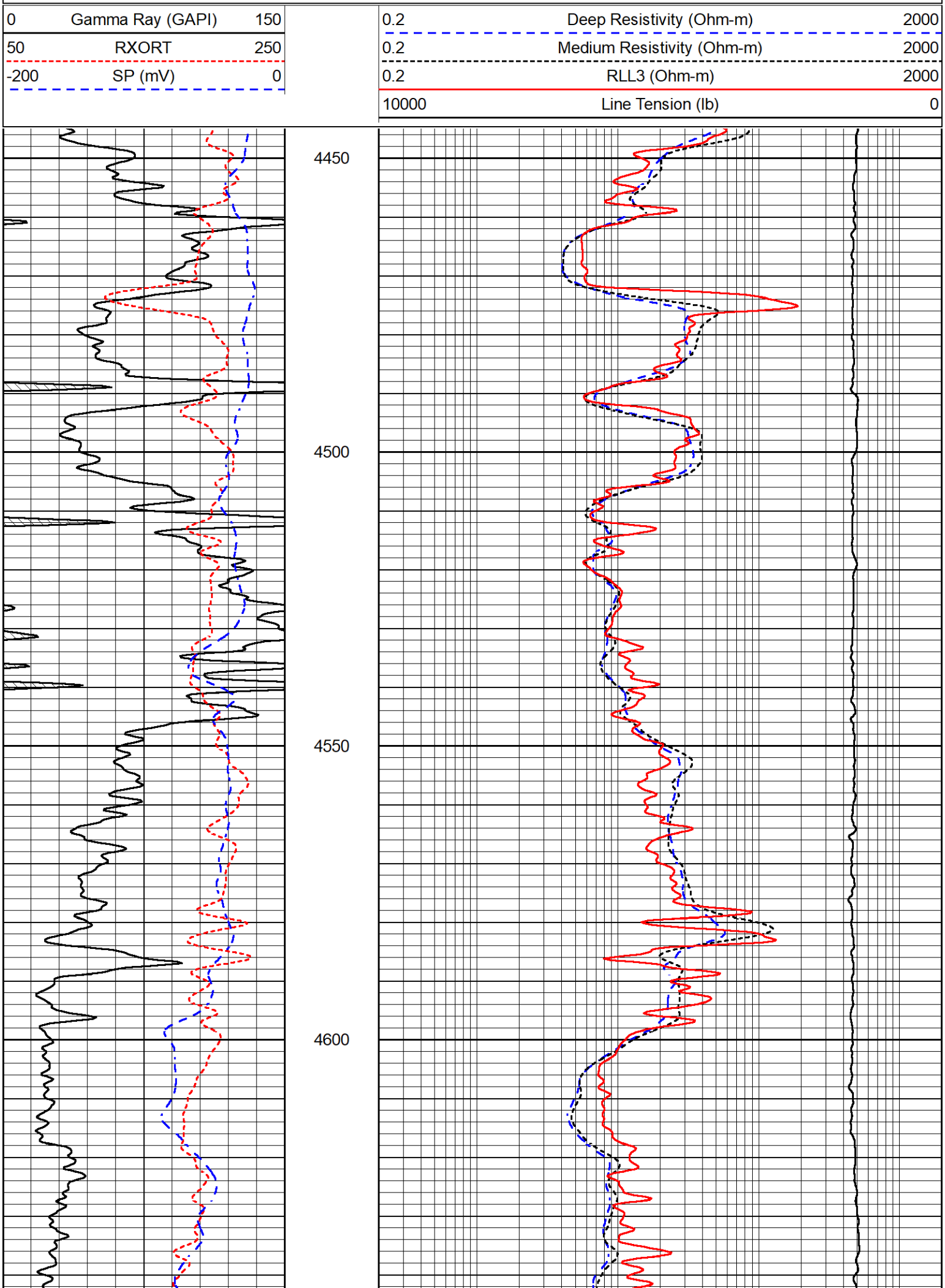


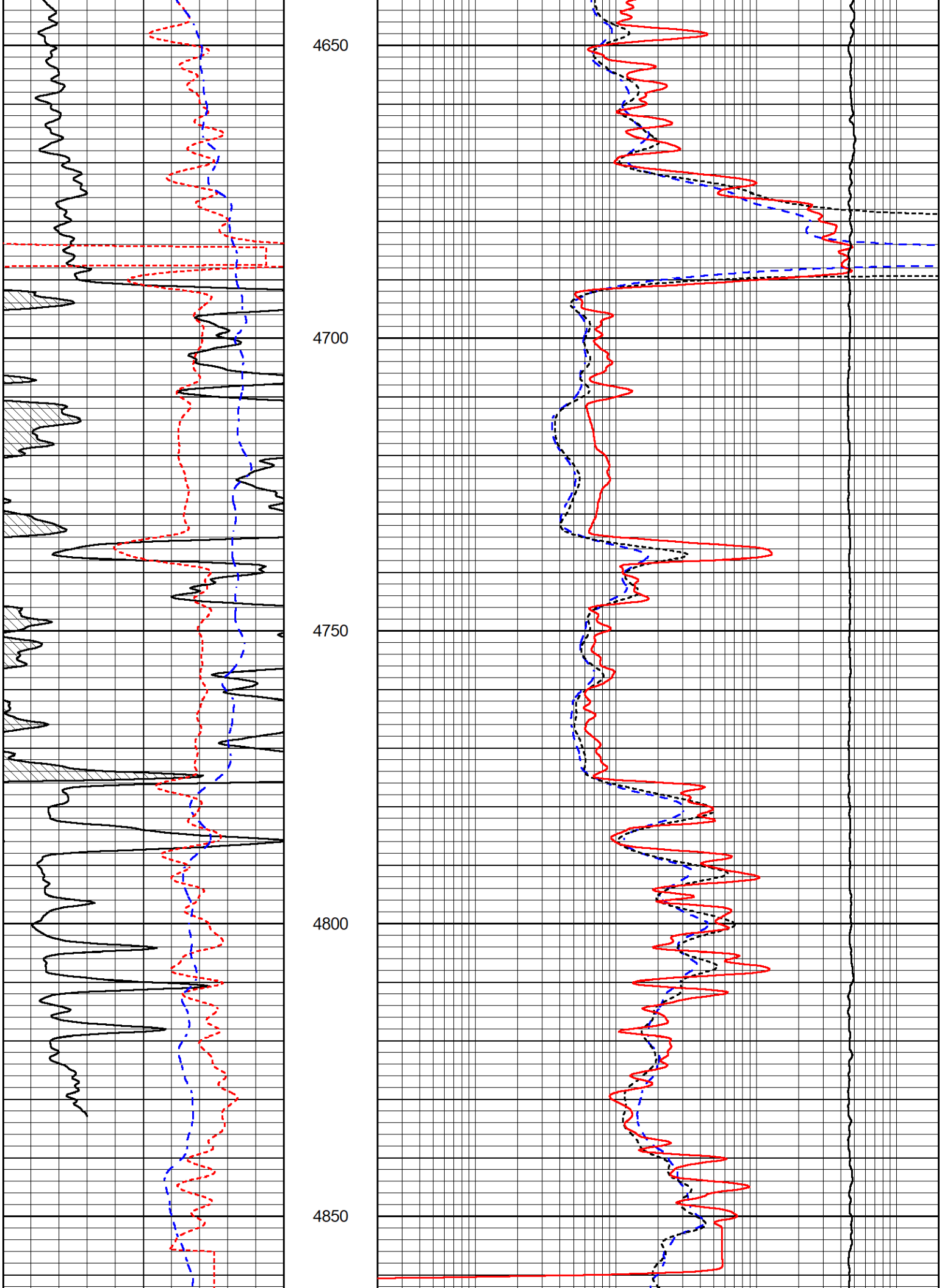
MIDWEST WIRELINE

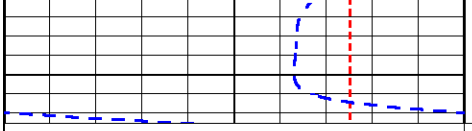
REPEAT SECTION

REPEAT PASS

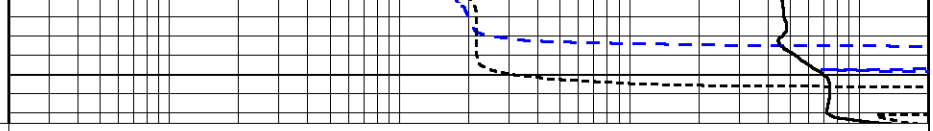
Database File	griffin_madelyn_1.db
Dataset Pathname	stackml/pass2.1
Presentation Format	_dil
Dataset Creation	Fri Jul 12 11:22:08 2024
Charted by	Depth in Feet scaled 1:240


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
4450
4500
4550
4600


4650
4700
4750
4800
4850



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

Calibration Report

Database File griffin_madelyn_1.db
Dataset Pathname stackml/pass3.1
Dataset Creation Fri Jul 12 12:03:42 2024

Dual Induction Calibration Report

Serial-Model: 506-M&W
Surface Cal Performed: Sun Jun 30 20:32:27 2024

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	84.211	428.152	0.000	255.800	mmho/m	0.465	-32.000
Medium	141.000	670.654	0.000	255.800	mmho/m	0.390	-10.000

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	16000.0000	-0.5000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	22500.0000	-0.7000
Caliper	1.0046	1.1419	5.5000	20.0000	in	50.0000	-44.6250

LITHODENSITY Calibration Report

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 Actual	Calibrated		PE 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:	1.900		

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	Griffin Management LLC
Well	Madelyn 1
Field	Turkey Creek East
County	Barber
State	Kansas