MIDWEST WIRELINE

DUAL INDUCTION

Company Excalibur Production Co, Inc
Well Eshelman #2
Field Burrton
County Reno State Kansas
Location: 2310 FNL & 495 FWL SEC 36 TWP 23S RGE 4W
API #: 15-155-21815-00-00
Other Services: CNL/CDL

Permanent Datum: Ground Level — Elevation 1461
Log Measured From: Kelly Bushing
Drilling Measured From: Kelly Bushing

Elevation: K.B. 1473, D.F., G.L. 1461

Company	Excalibur Production Co, Inc		
Well	Eshelman #2		
Field	Burrton		
County	Reno		
State	Kansas		

Date	7/12/2025		
Run Number	One		
Depth Driller	3430		
Depth Logger	3431		
Bottom Logged Interval	3430		
Top Log Interval	650		
Casing Driller	8.625 @ 650		
Casing Logger	643		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	1650		
Density / Viscosity	9.05 / 48		
pH / Fluid Loss	11.0 / 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.72 @ 74		
Rmf @ Meas. Temp	0.54 @ 74		
Rmc @ Meas. Temp	0.97 @ 74		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.48 @ 110		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	110		
Equipment Number	110		
Location	Hays, KS		
Recorded By	D. Schmidt		
Witnessed By	Larry Ressler	Brandon Wolfe	

<<< 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.

Burrton,
West to Worthington Rd, 1 1/2 South,
East 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: Brandon Wolfe
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 (308-05)	8.50	4.00	250.00
LSD	20.60					
DCAL	20.58					
SSD	20.10					
RLL3F	15.50					
RLL3	15.50					
			DIL-M&W (506)	18.25	3.50	220.00
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: excalibur_eshelman 2.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\excalibur_eshelman 2.db
Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	110	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	75	Off	3430

MIDWEST WIRELINE

2" SCALE RESISTIVITY

MAIN PASS

Database File	excalibur_eshelman 2.db
Dataset Pathname	stack/pass3.3
Presentation Format	_dil2in
Dataset Creation	Sat Jul 12 08:59:17 2025
Charted by	Depth in Feet scaled 1:600

0 Gamma Ray (GAPI) 150

1000 Conductivity (mmho/m) 0

15000 Line Tension (lb) 0

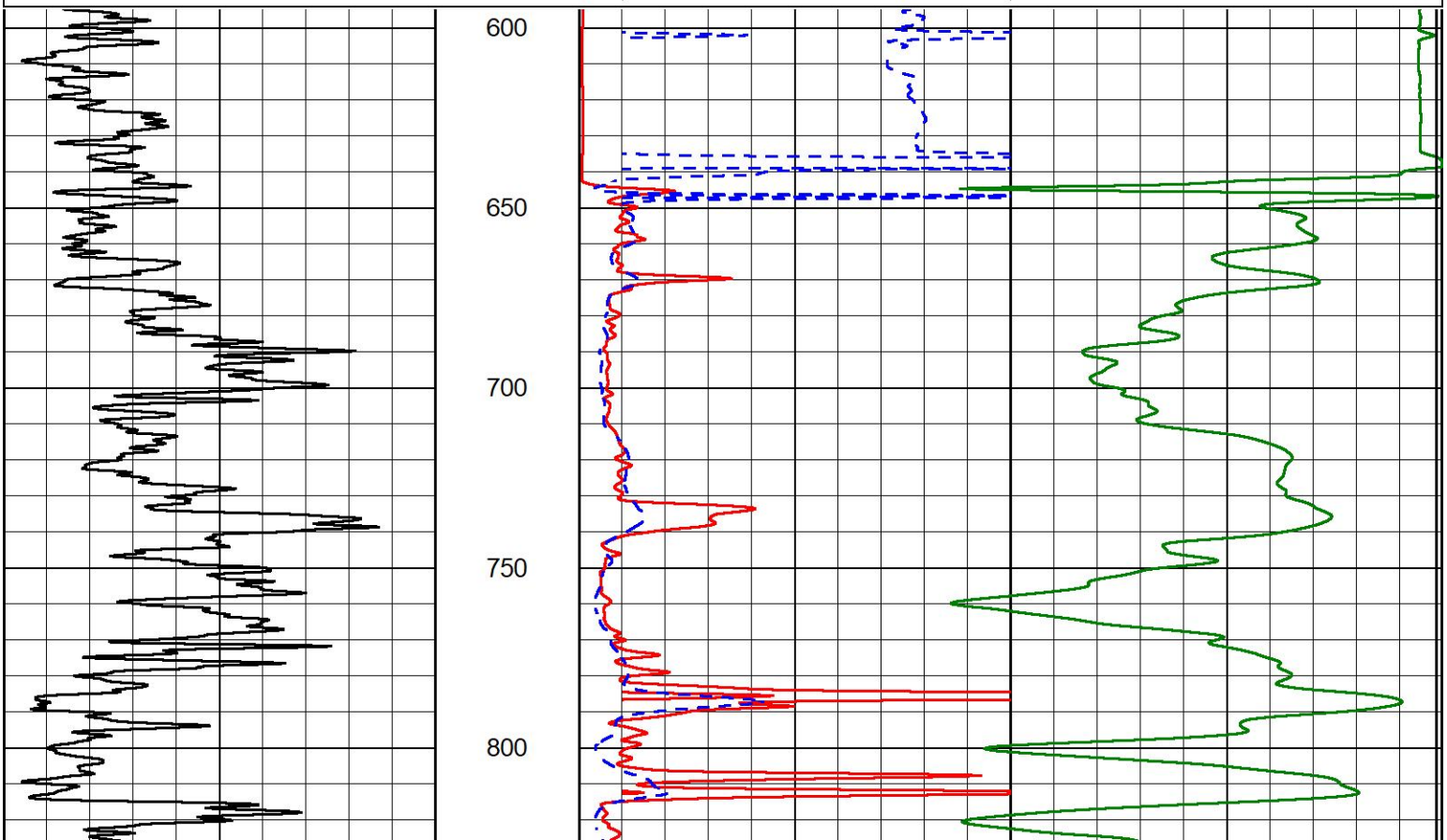
0 Shallow Resisitivity (Ohm-m) 50

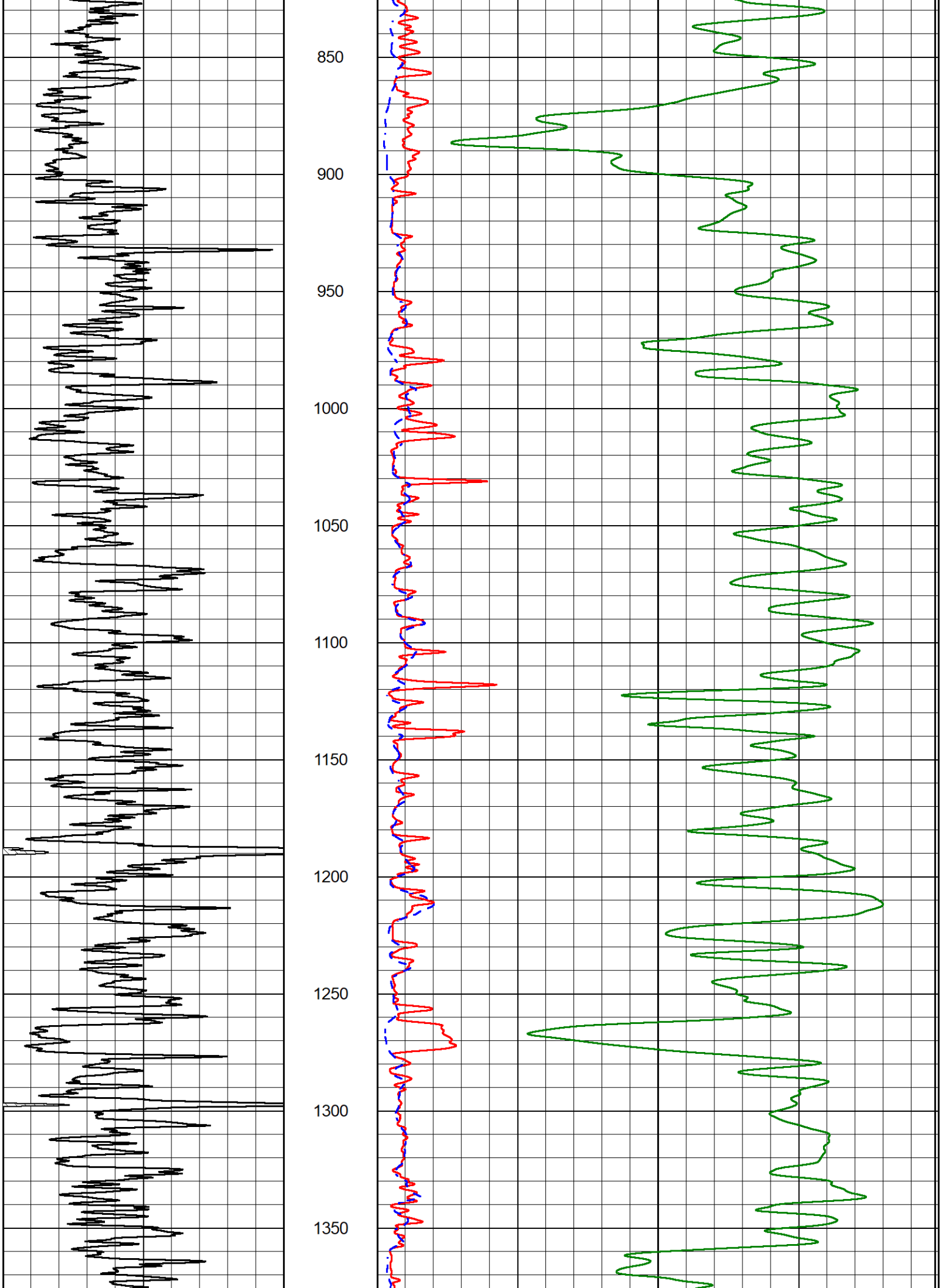
0 Deep Resistivity (Ohm-m) 50

Shallow Resistivity

50 (Ohm-m) 200

50 Deep Resistivity (Ohm-m) 200

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900
950
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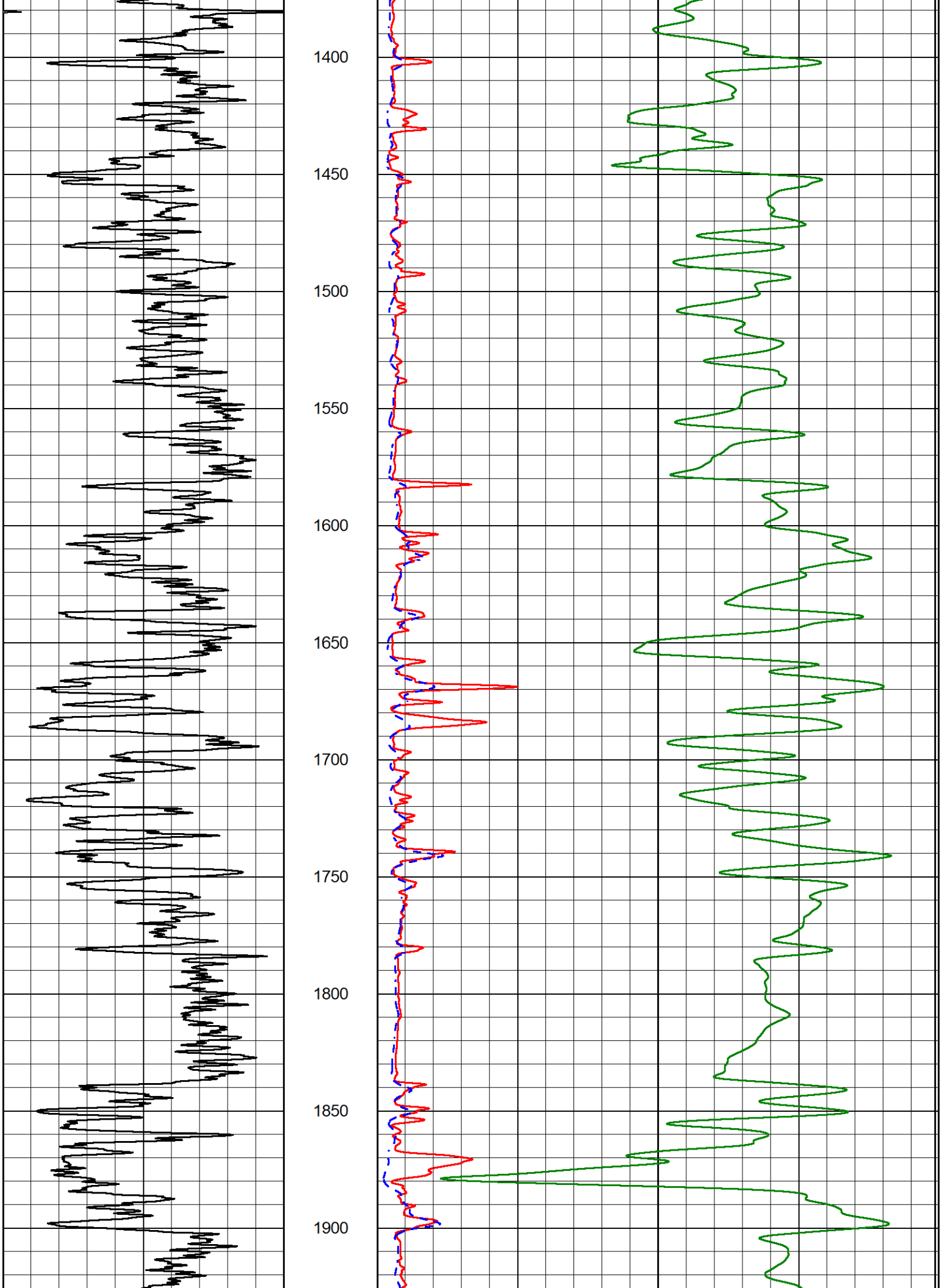
1050
1100
1150
1200
1250
1300
1350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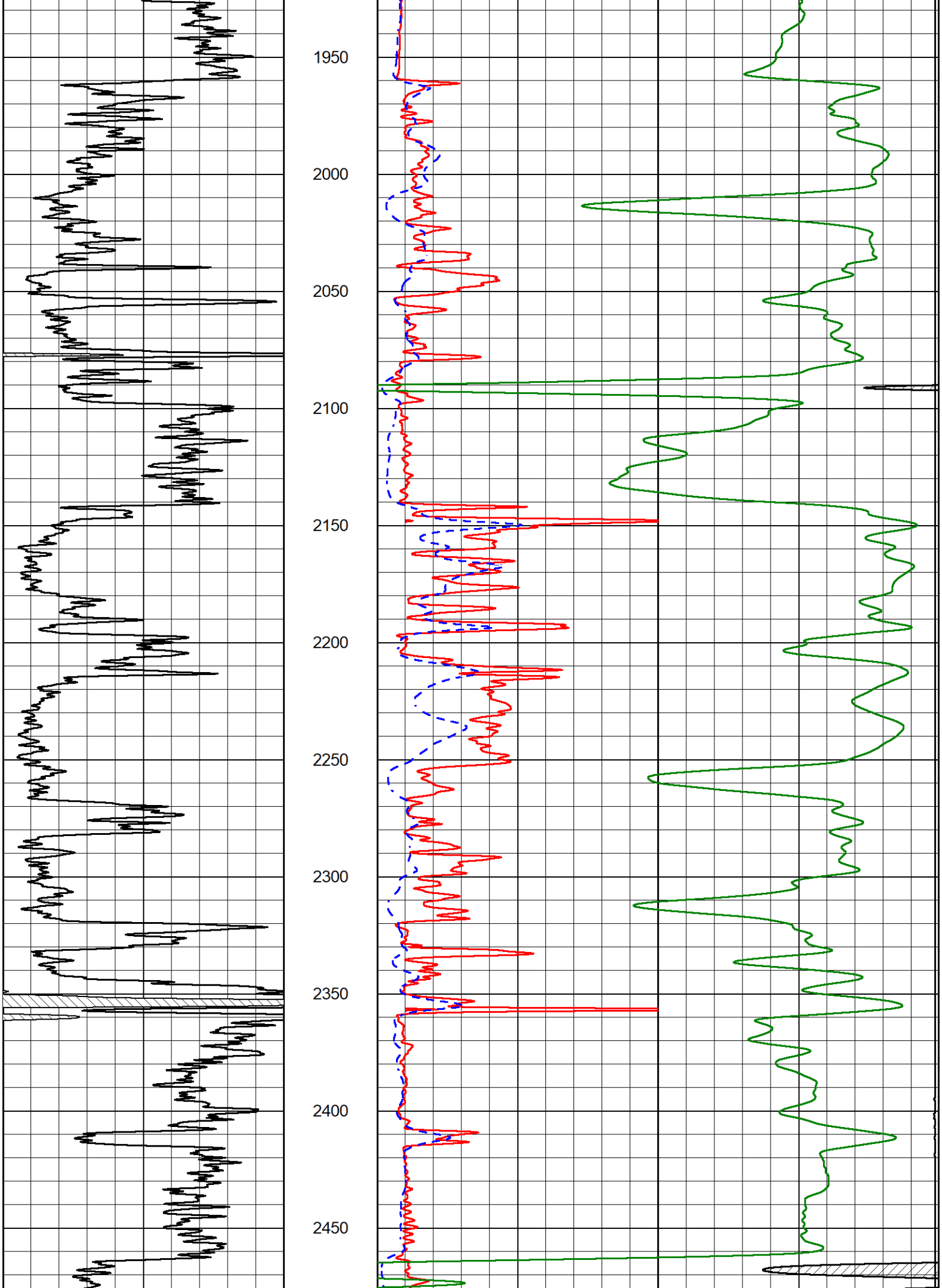
1450
1500
1550
1600
1650
1700
1750
1800
1850
1900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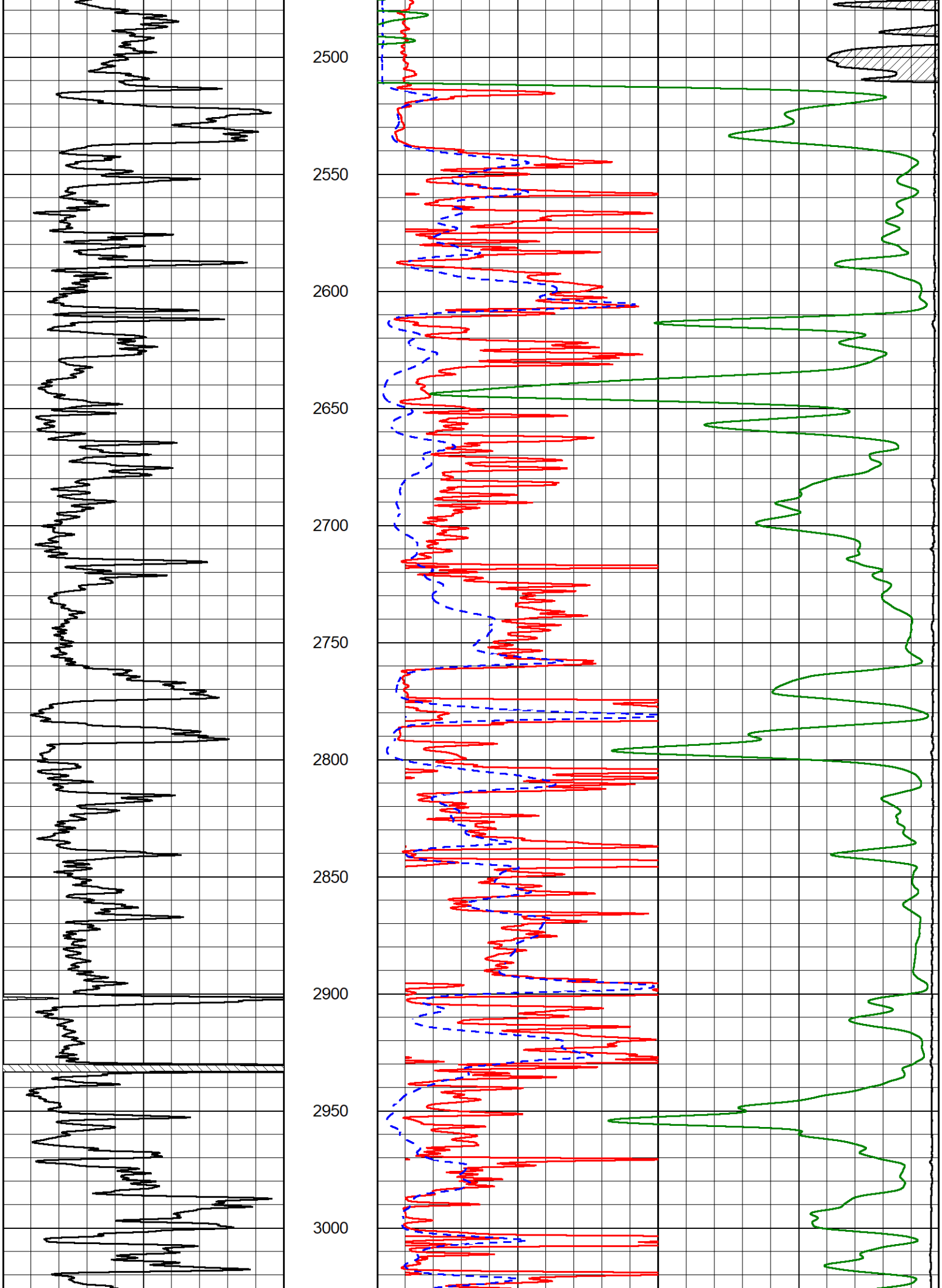
2000
2050
2100
2150
2200
2250
2300
2350
2400
2450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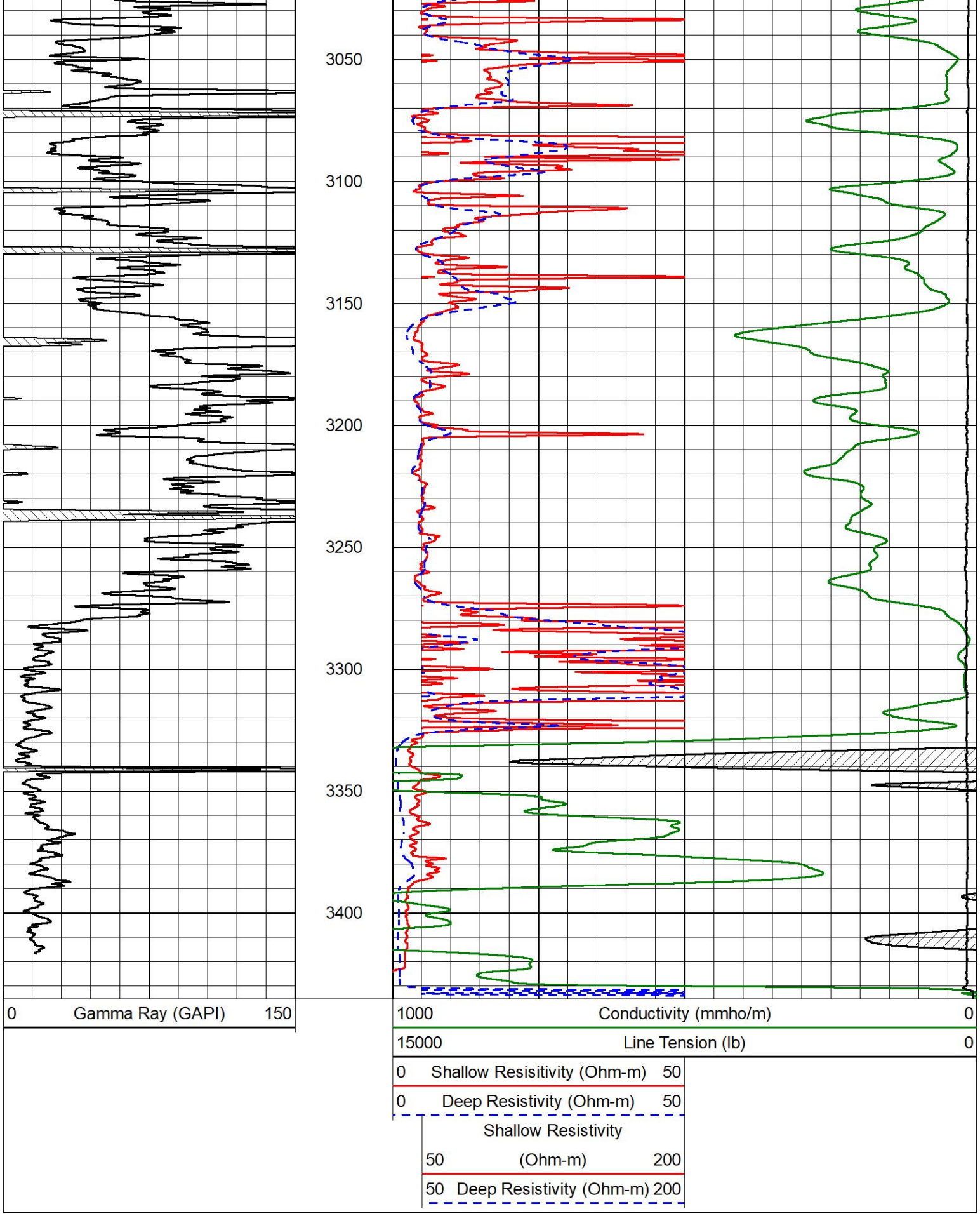
2600
2650
2700
2750
2800
2850
2900
2950
3000



DETAIL SECTION

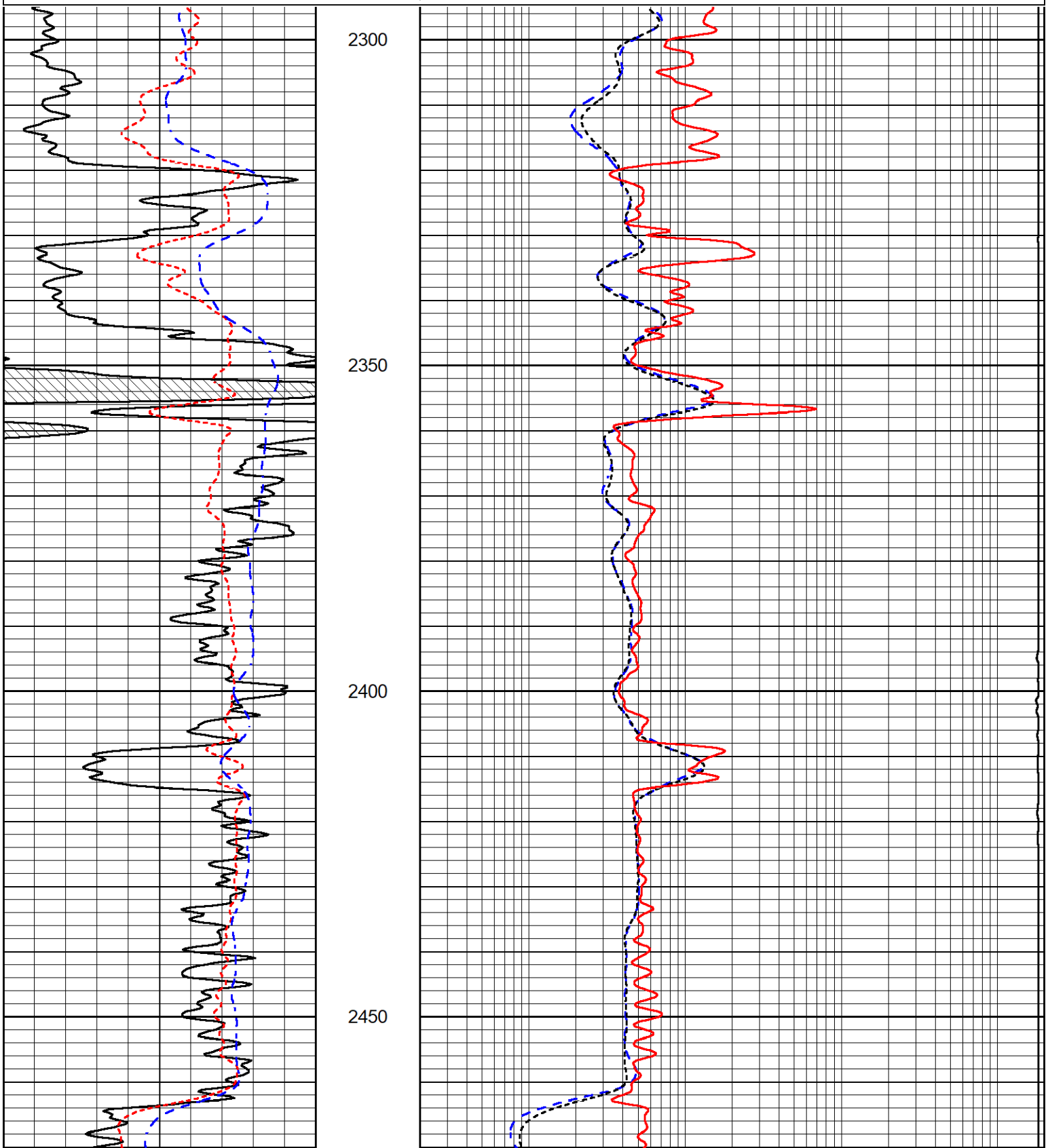
MAIN PASS

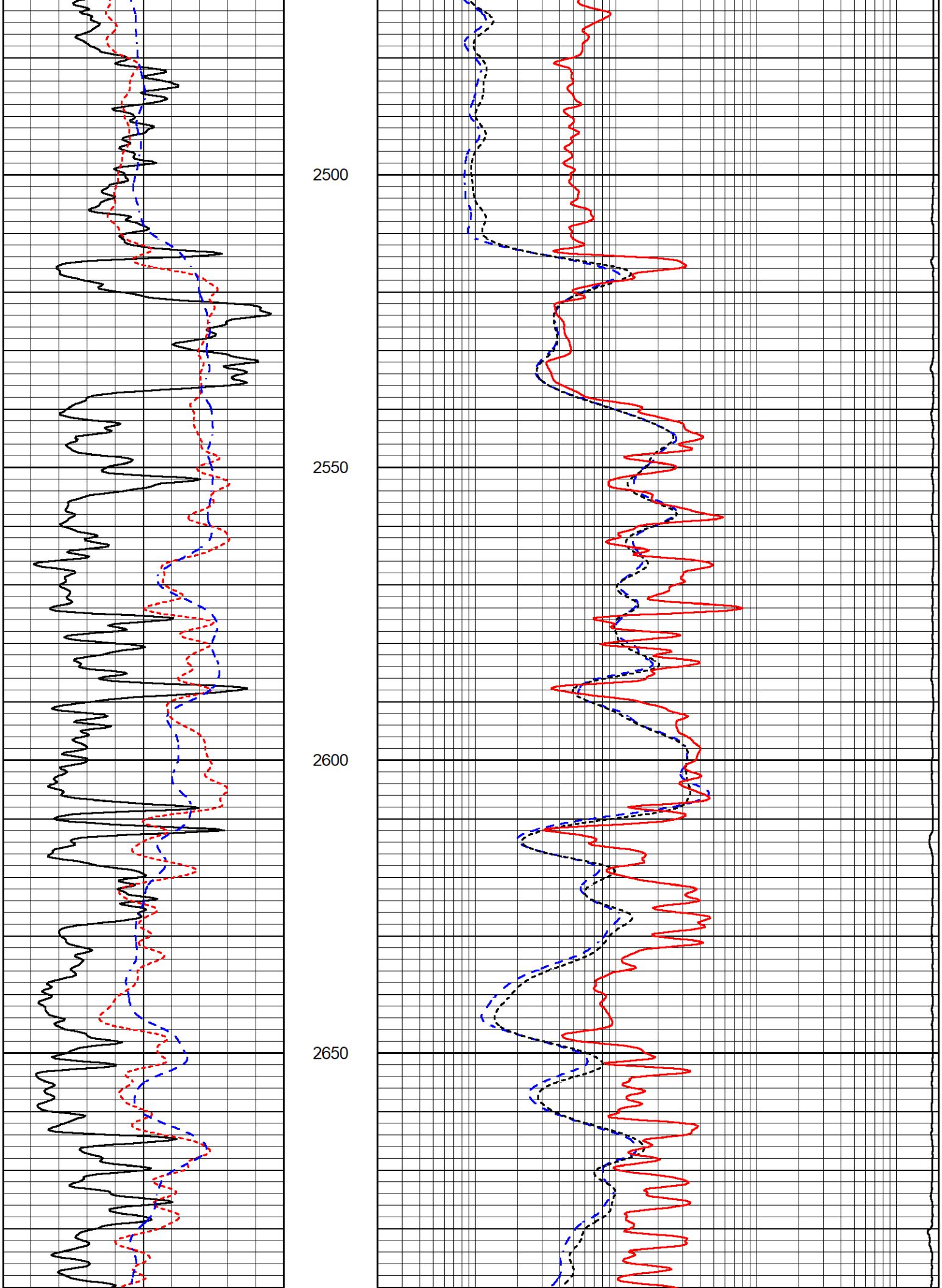
MIDWEST WIRELINE

Database File	excalibur_eshelman 2.db
Dataset Pathname	stack/pass3.1
Presentation Format	_dil
Dataset Creation	Sat Jul 12 08:56:04 2025
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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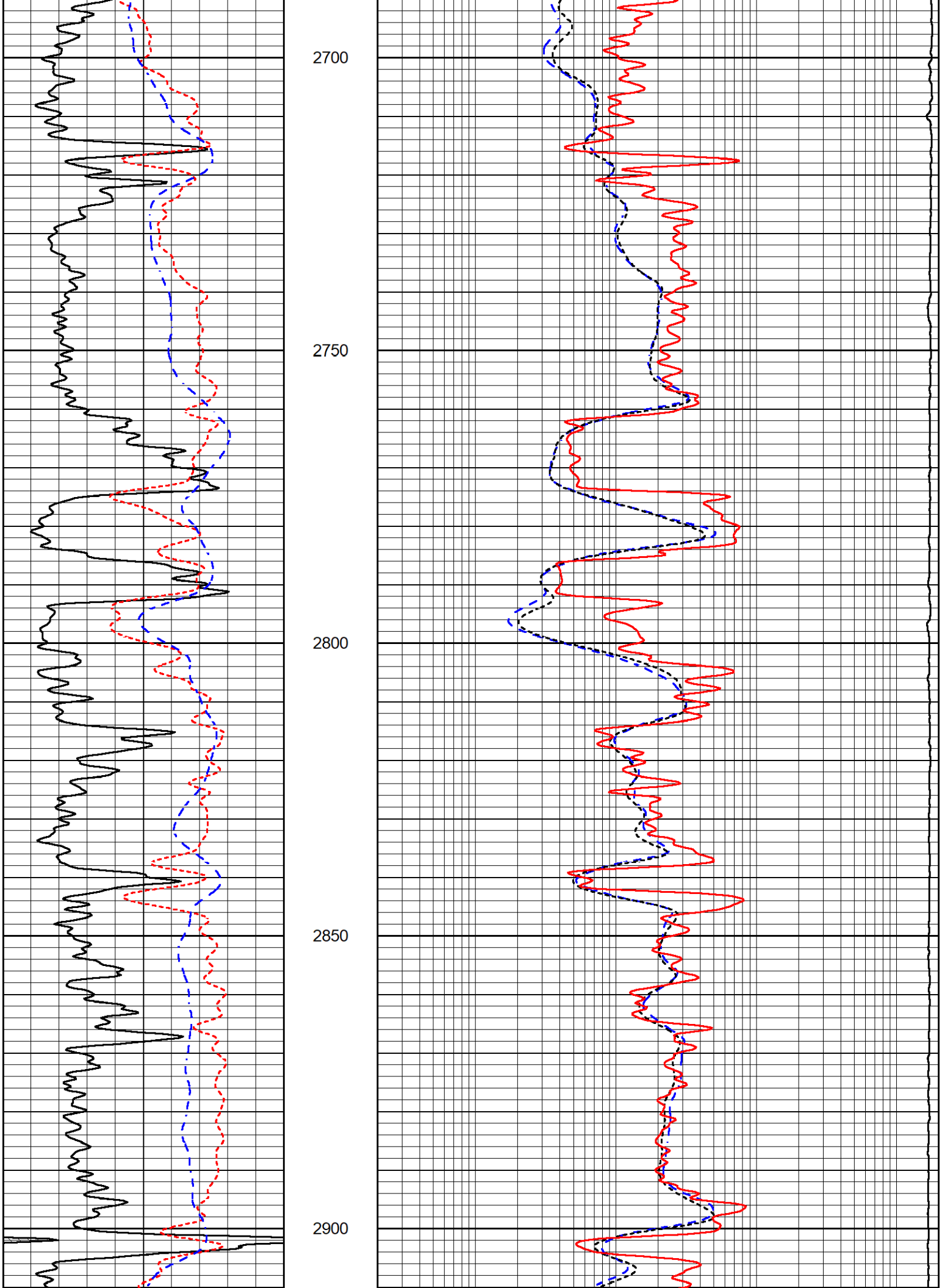
2600
2650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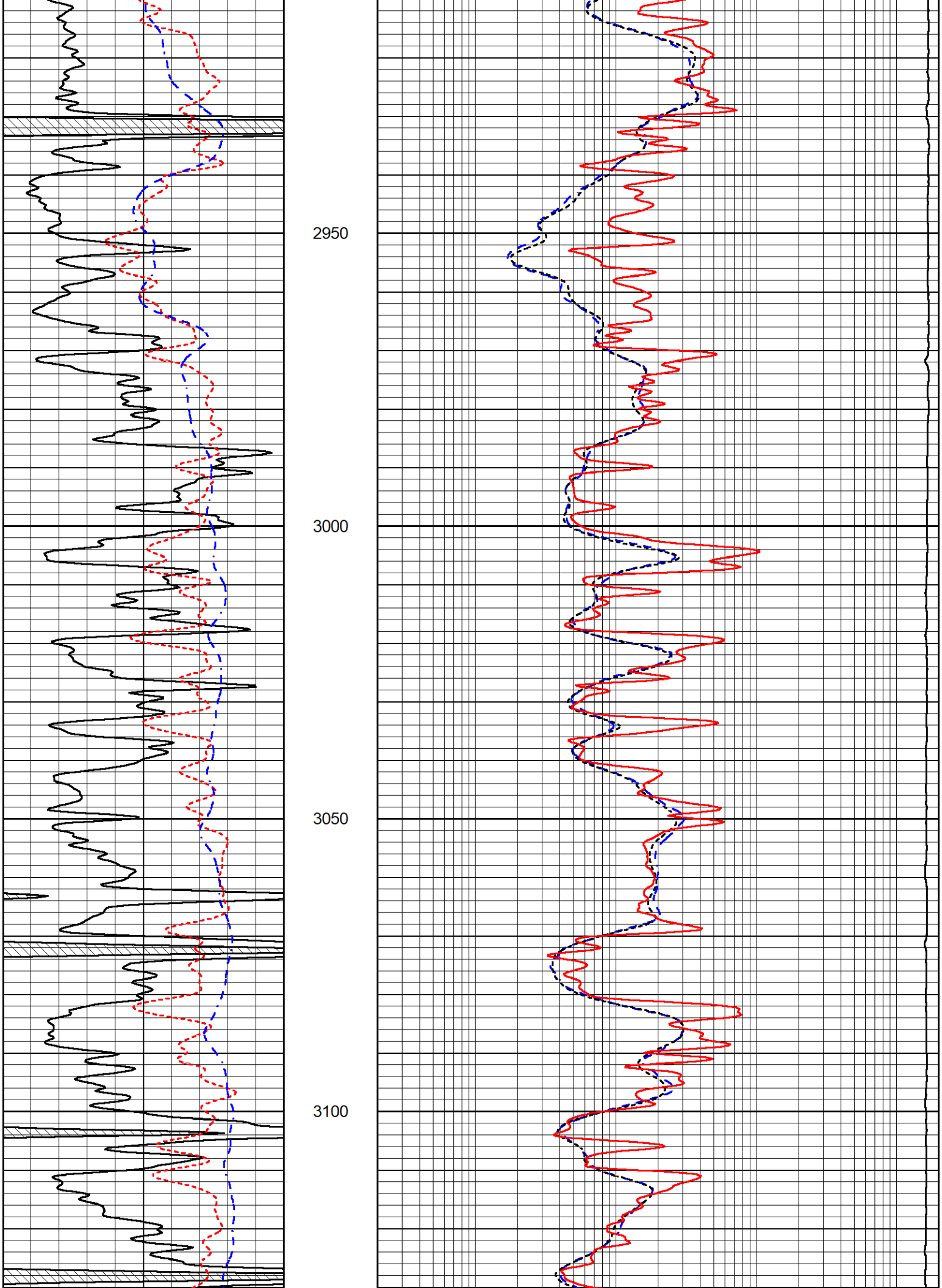
2750
2800
2850
2900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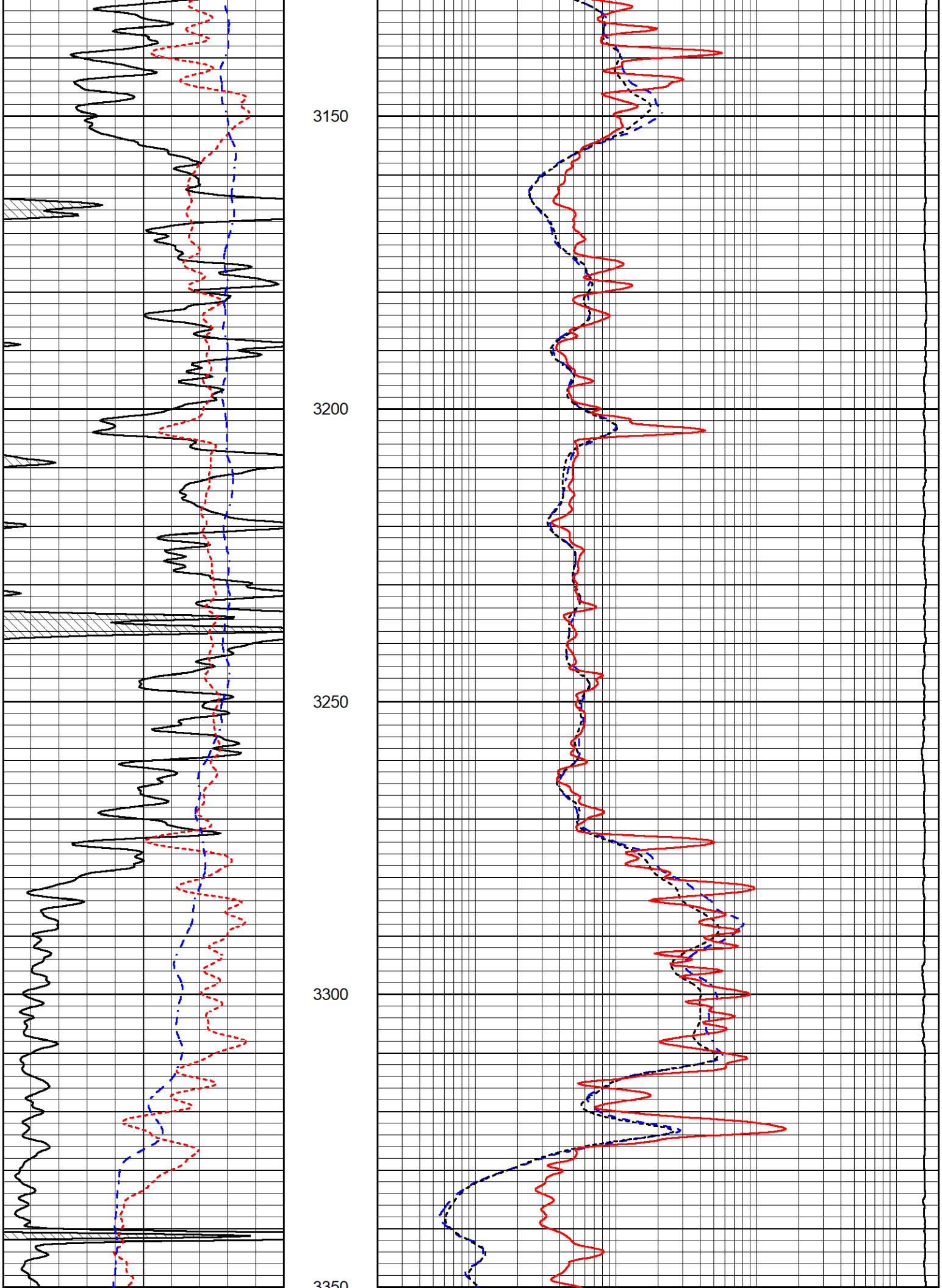
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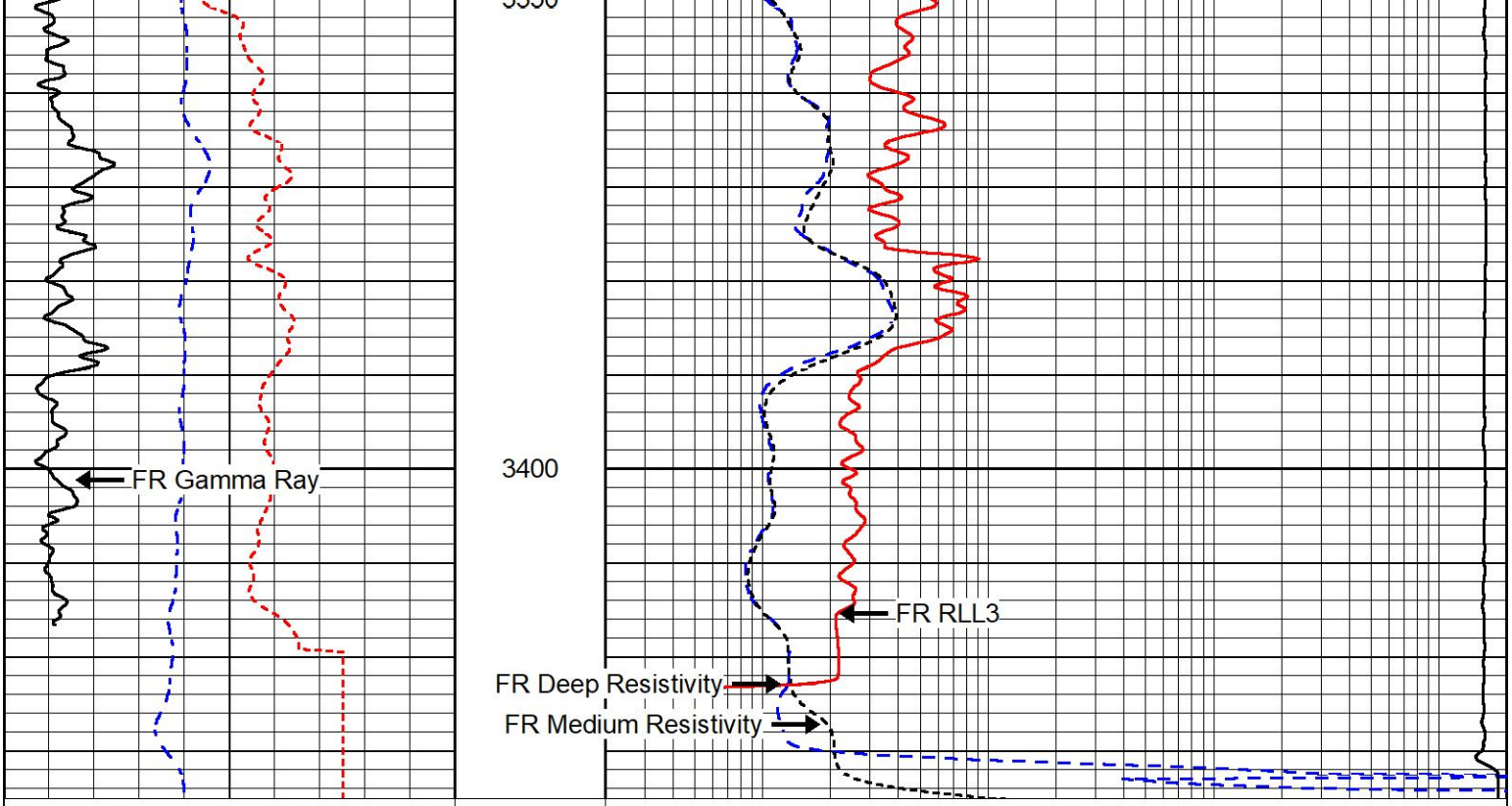
3200
3250
3300
3350



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

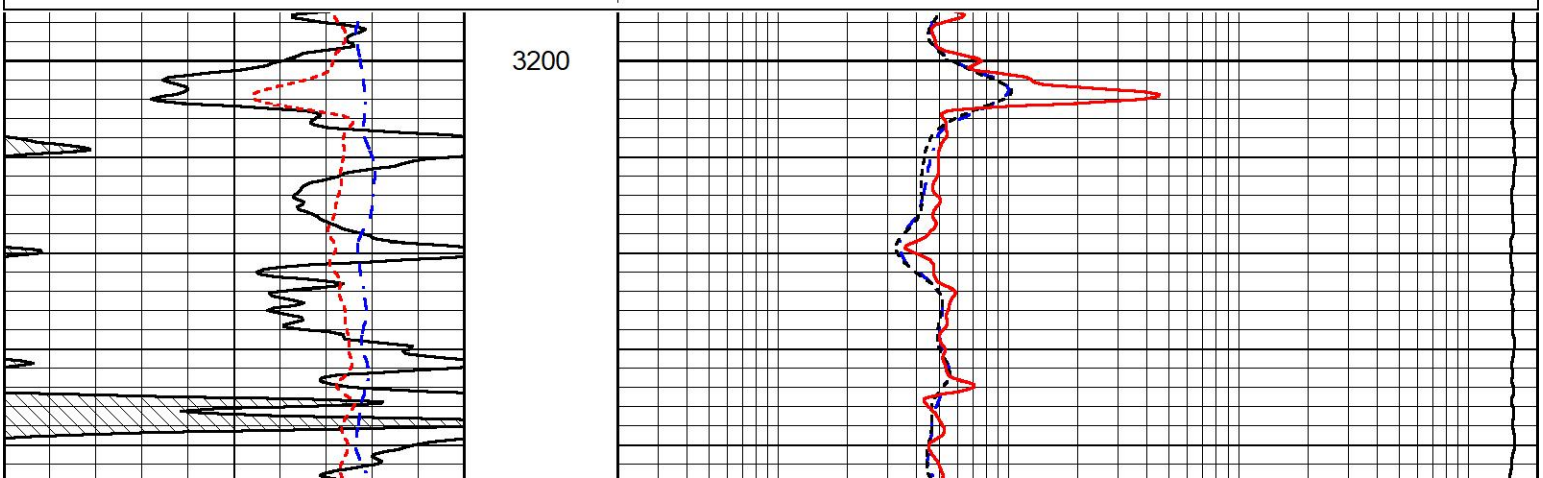
REPEAT SECTION

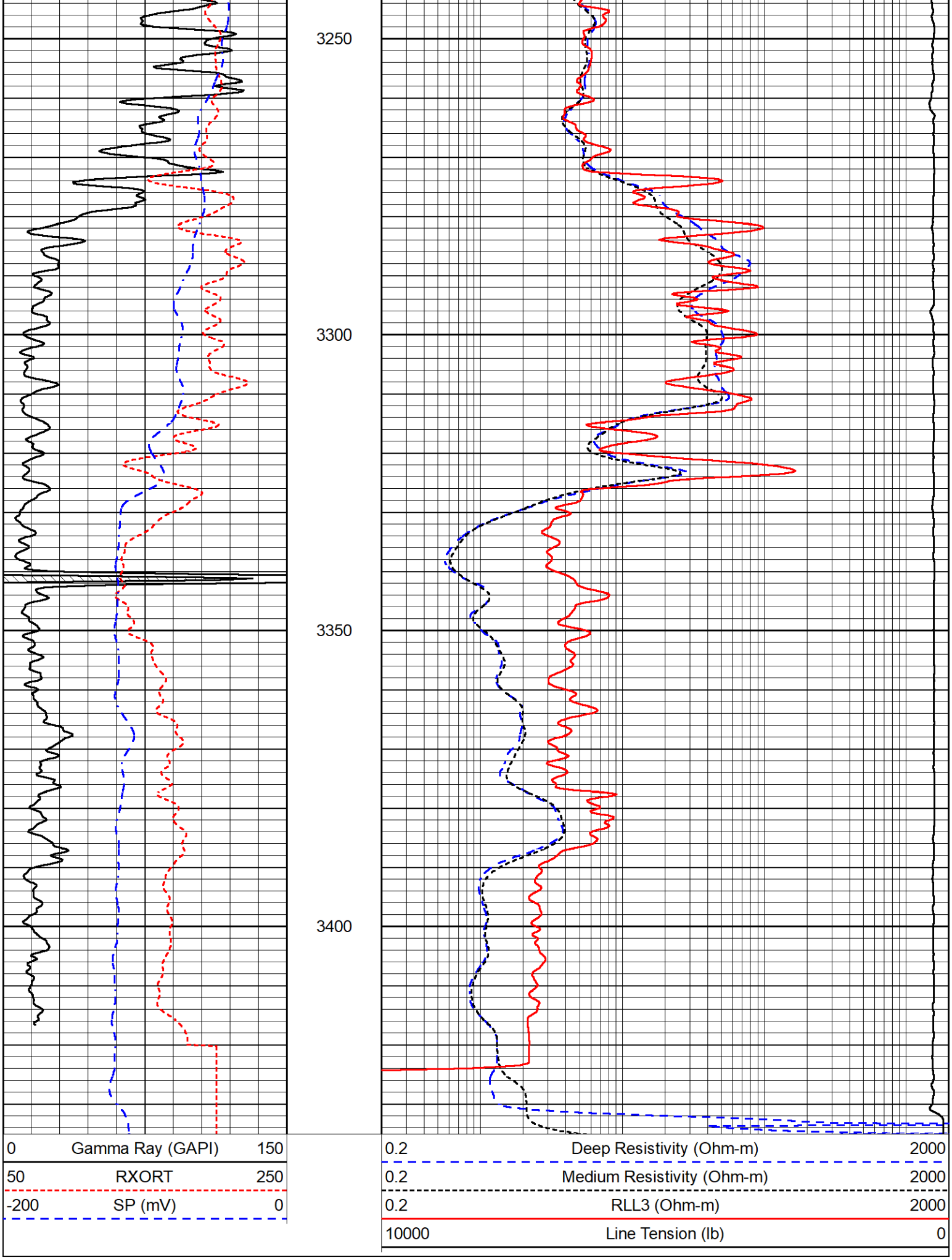
REPEAT PASS

Database File	excalibur_eshelman 2.db
Dataset Pathname	stack/pass2.1
Presentation Format	_dil
Dataset Creation	Sat Jul 12 08:40:01 2025
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




3250
3300
3350
3400
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	excalibur_eshelman 2.db
Dataset Pathname	stack/pass3.1
Dataset Creation	Sat Jul 12 08:56:04 2025

Dual Induction Calibration Report

Serial-Model:	506-M&W
Surface Cal Performed:	Thu Apr 3 15:09:39 2025

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	84.211	428.152	0.000	255.800	mmho/m	0.480	-29.000
Medium	141.000	670.654	0.000	255.800	mmho/m	0.405	-16.000

Compensated Density Calibration Report

Serial-Model:	308-05-M&W
Source #:	21170B
Master Calibration Performed:	Wed May 14 15:44:32 2025

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	5263.39	6024.11	cps
Aluminum	2.570	g/cc	1137.62	4032.96	cps

Spine Angle = 75.32

Density/Spine Ratio = 0.515

	Size		Reading
Small Ring	6.00	in	1.03
Large Ring	14.00	in	1.15

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

Company	Excalibur Production Co, Inc
Well	Eshelman #2
Field	Burrton
County	Reno
State	Kansas