DUAL INDUCTION LOG

Company JODY OIL & GAS INC.
Well JACK #5
Field SPIVEY-GRABS
County HARPER State KANSAS

Company JODY OIL & GAS INC.
Well JACK #5
Field SPIVEY-GRABS
County HARPER
State KANSAS

Location: API # : 15-077-22187-0000
3290' FEL & 1650' FSL
SW SE NE SW
SEC 19 TWP 31S RGE 8W

Other Services
CDL/CNL
MEL

Permanent Datum GROUND LEVEL Elevation 1565
Log Measured From KELLY BUSHING 13' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1578
D.F. 1576
G.L. 1565

Date	10/1/21		
Run Number	ONE		
Depth Driller	4780		
Depth Logger	4786		
Bottom Logged Interval	4784		
Top Log Interval	00		
Casing Driller	8 5/8" @ 260		
Casing Logger	260		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.3/55		
pH / Fluid Loss	11.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.85 @ 70F		
Rmf @ Meas. Temp	.63 @ 70F		
Rmc @ Meas. Temp	1.02 @70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.48 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	123F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	TIM PIERCE		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

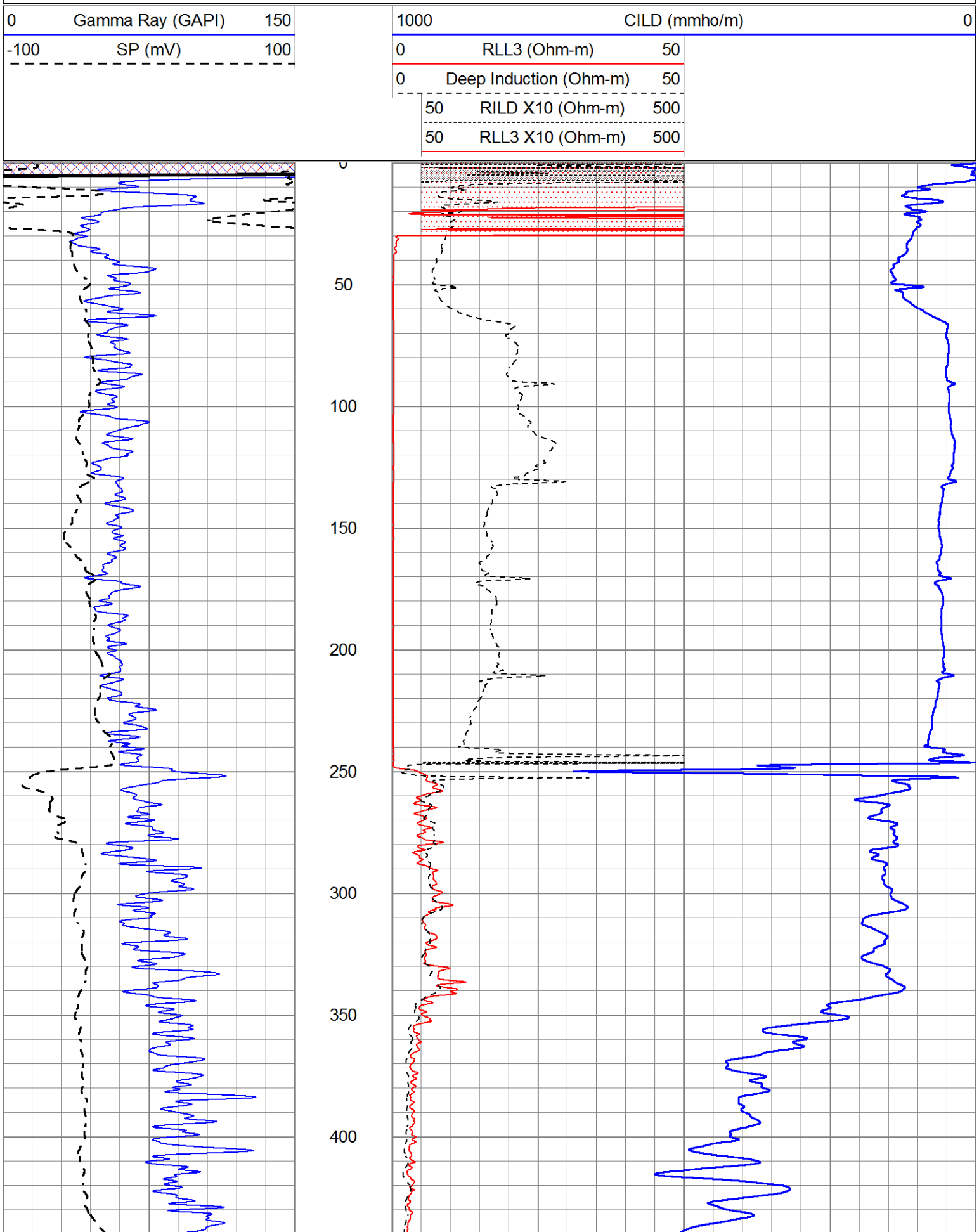
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

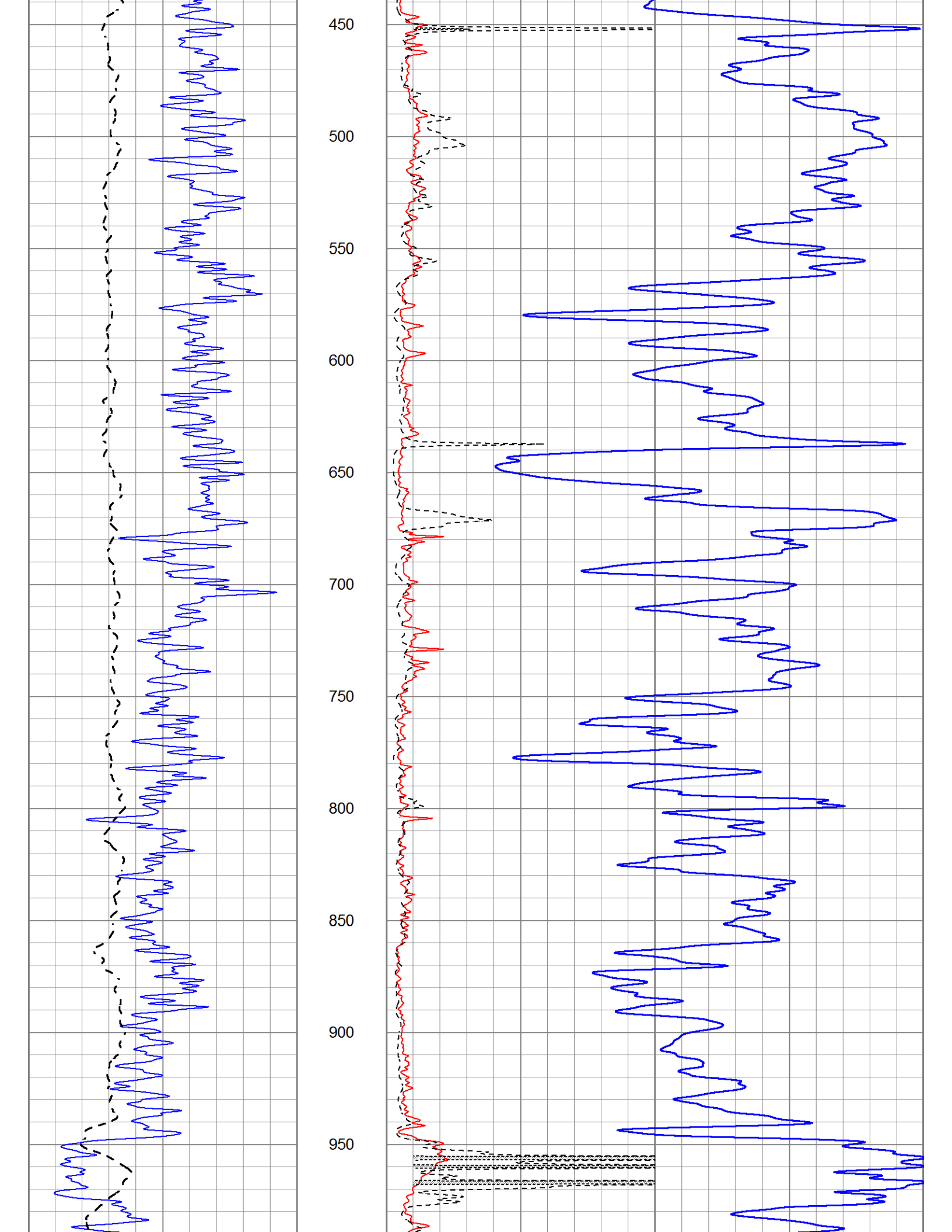
DIRECTIONS

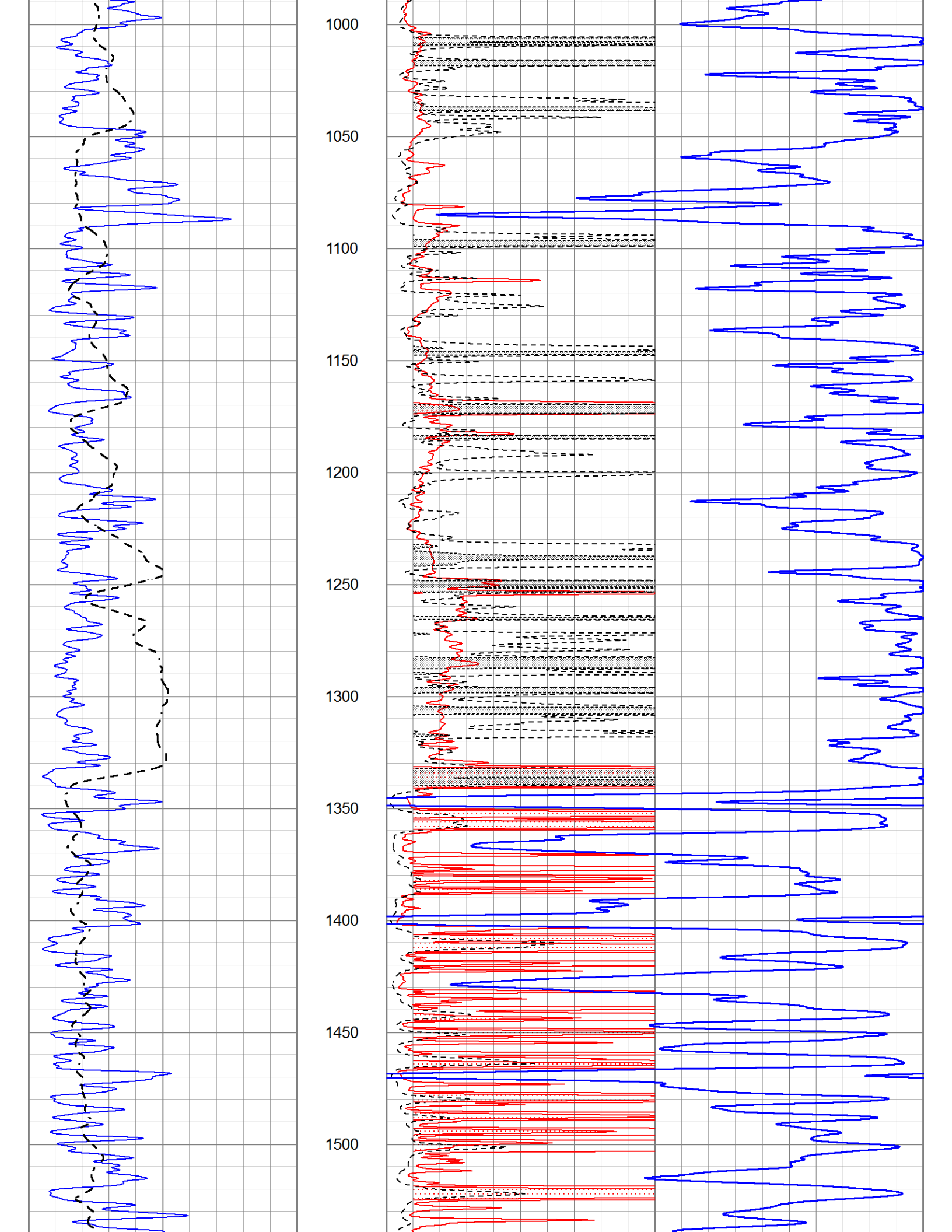
ATTICA, KS. - EAST EDGE OF TOWN "RD. 100" 5 NORTH - 1 WEST - 1 NORTH - 1/2 EAST - NORTH IN

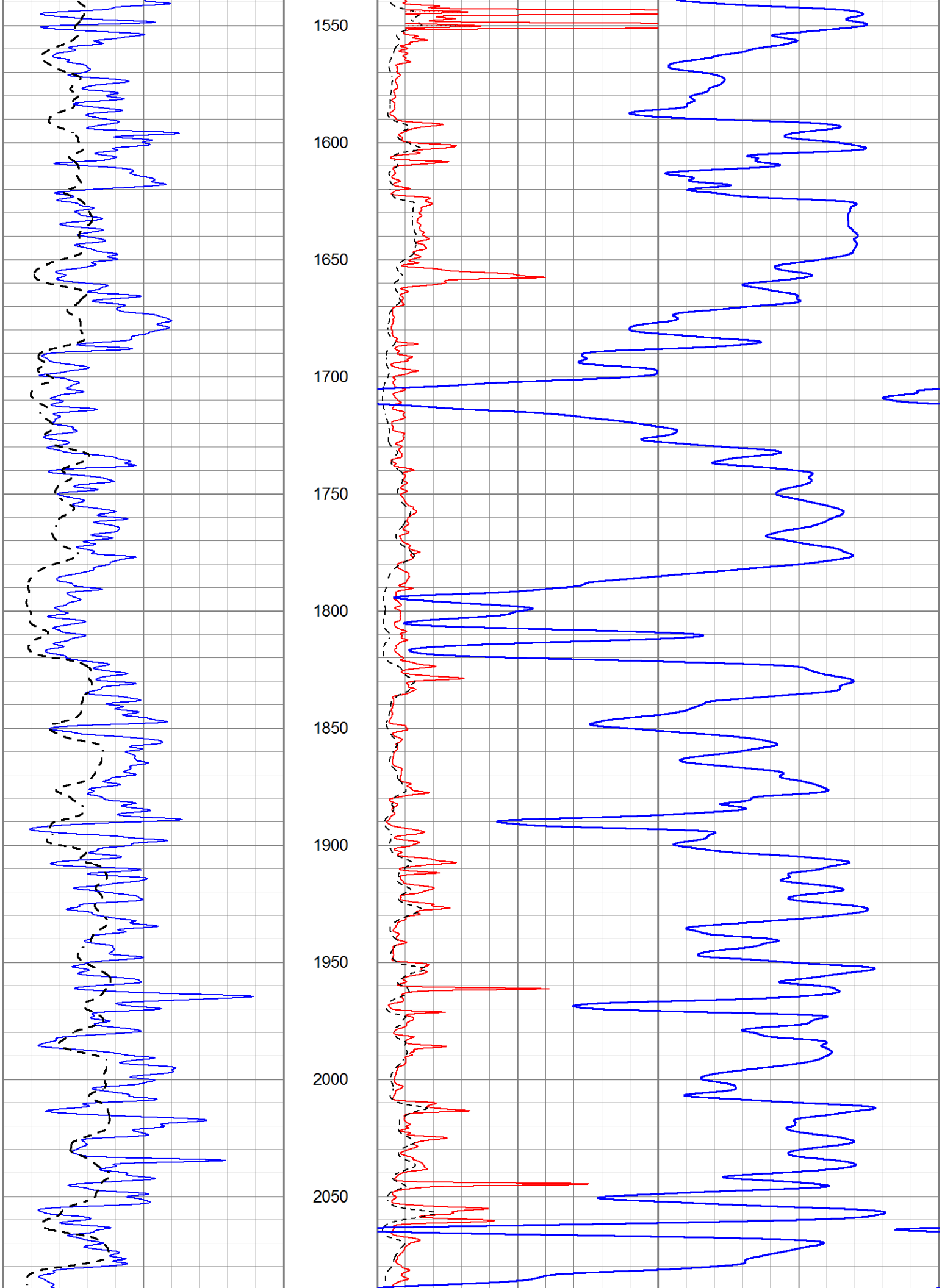
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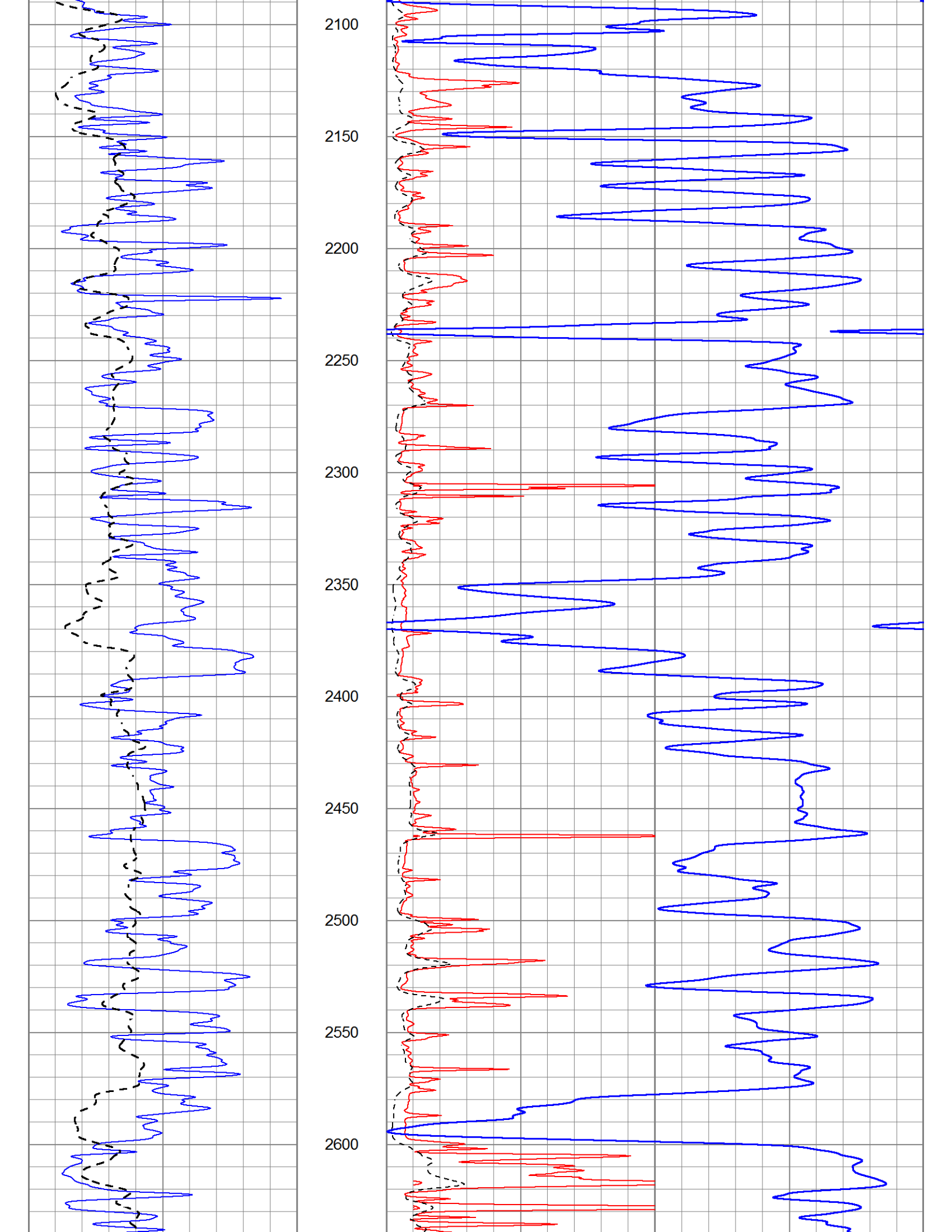
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Presentation Format	_dil2
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Charted by	Depth in Feet scaled 1:600

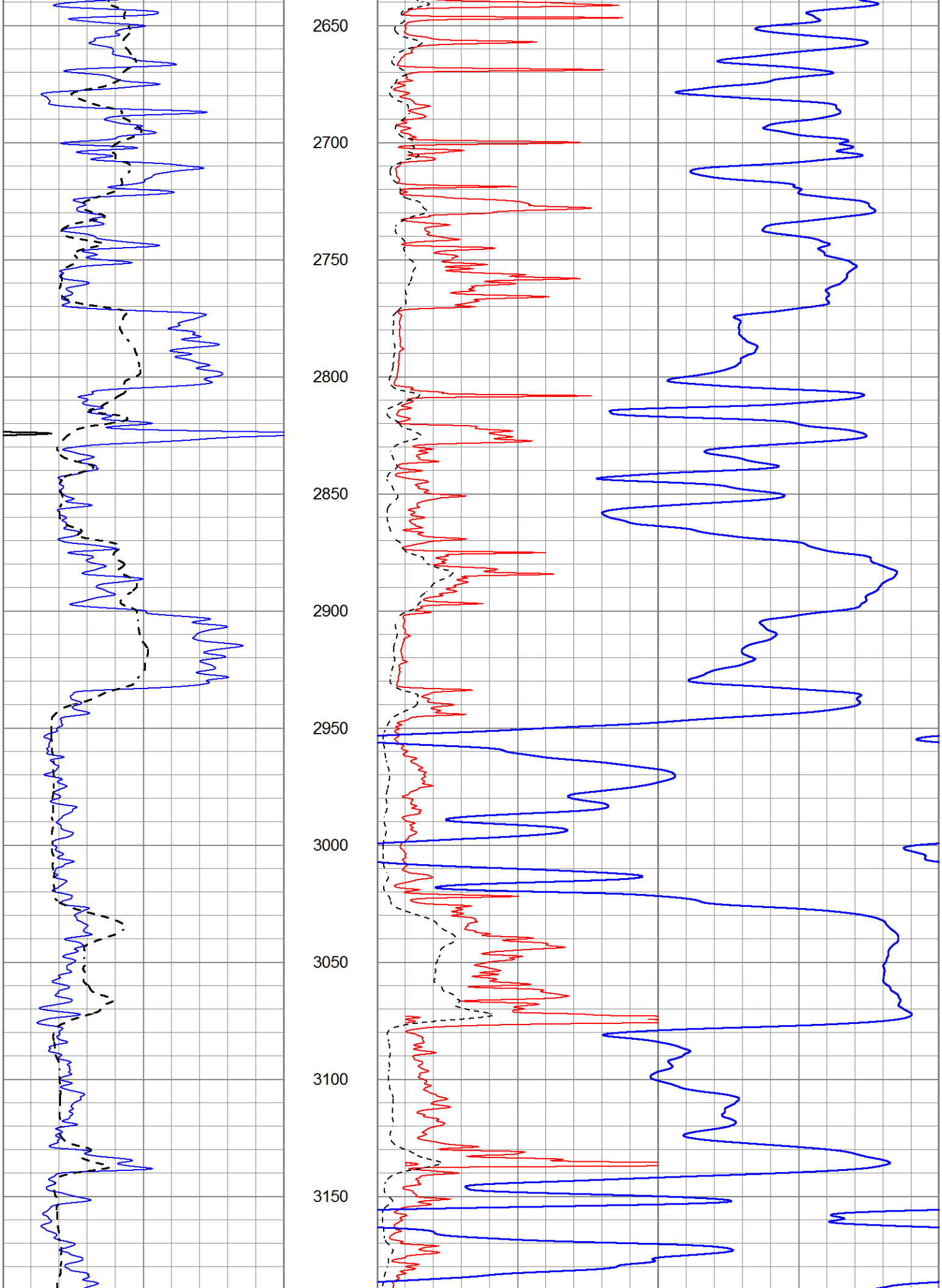


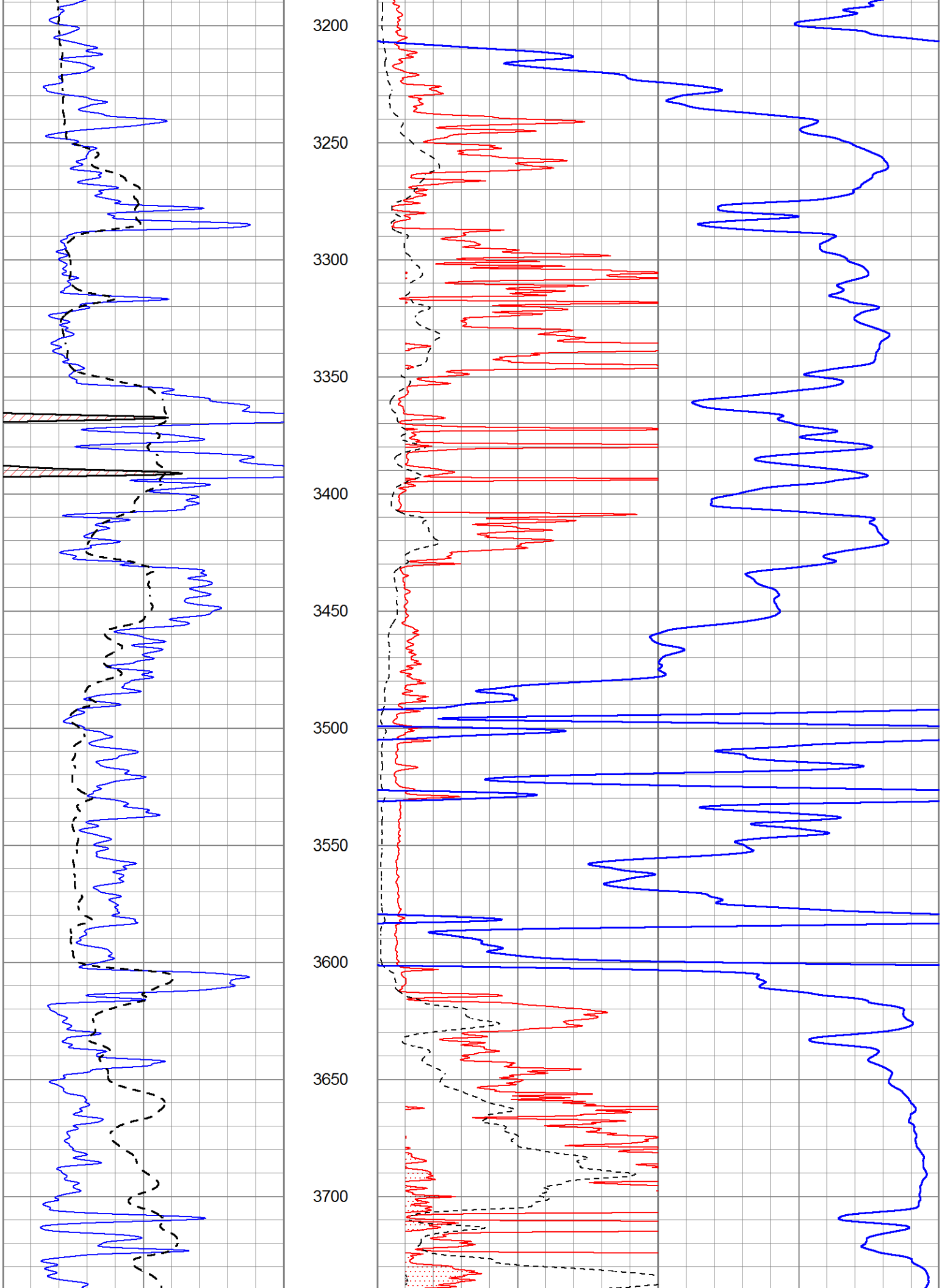

450
500
550
600
650
700
750
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850
900
950

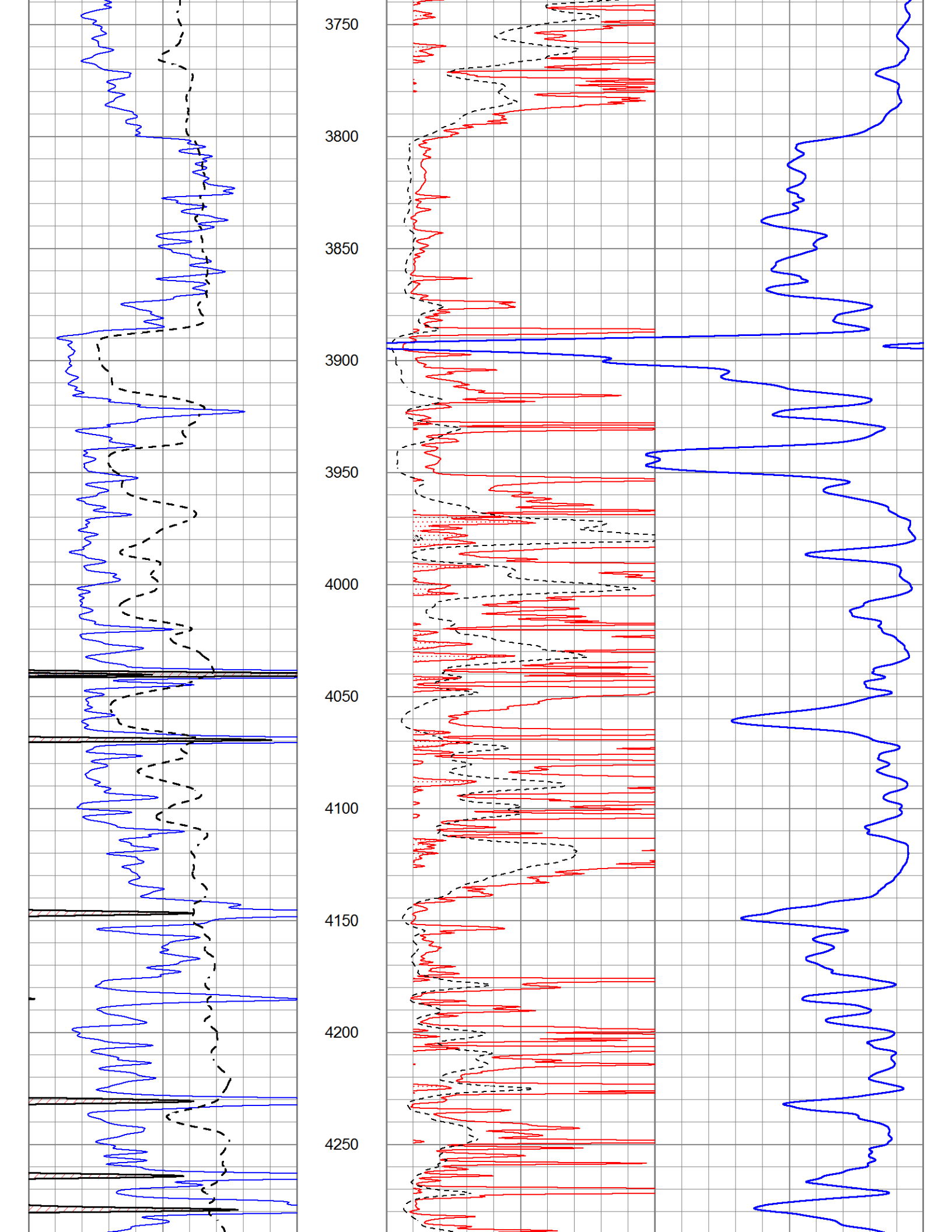

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1100
1150
1200
1250
1300
1350
1400
1450
1500

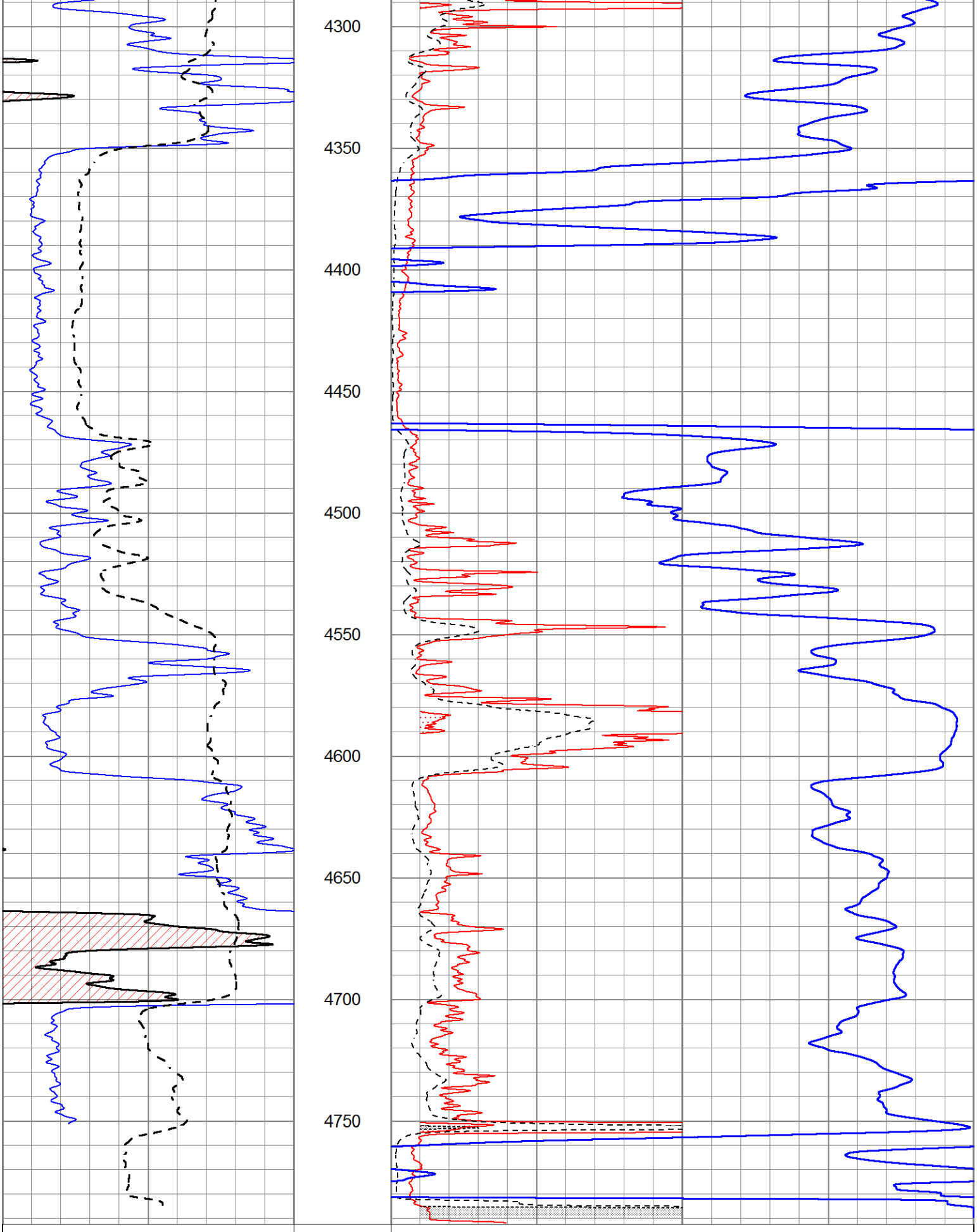

1550
1600
1650
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2100
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3750
3800
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3900
3950
4000
4050
4100
4150
4200
4250


4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
0 Gamma Ray (GAPI) 150
-100 SP (mV) 100
1000 CILD (mmho/m) 0
0 RLL3 (Ohm-m) 50
0 Deep Induction (Ohm-m) 50
50 RILD X10 (Ohm-m) 500

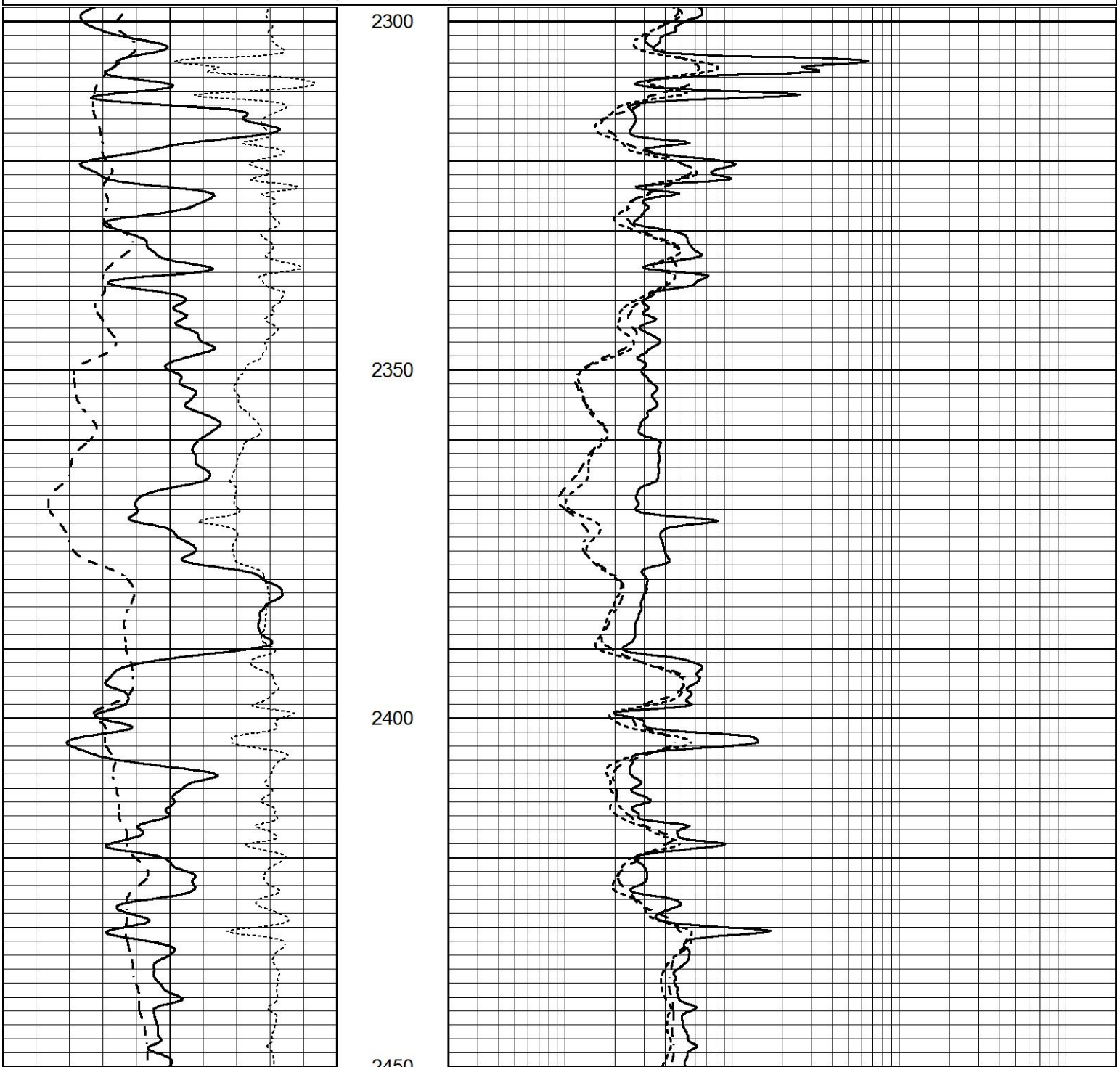
50	RLL3 X10 (Ohm-m)	500

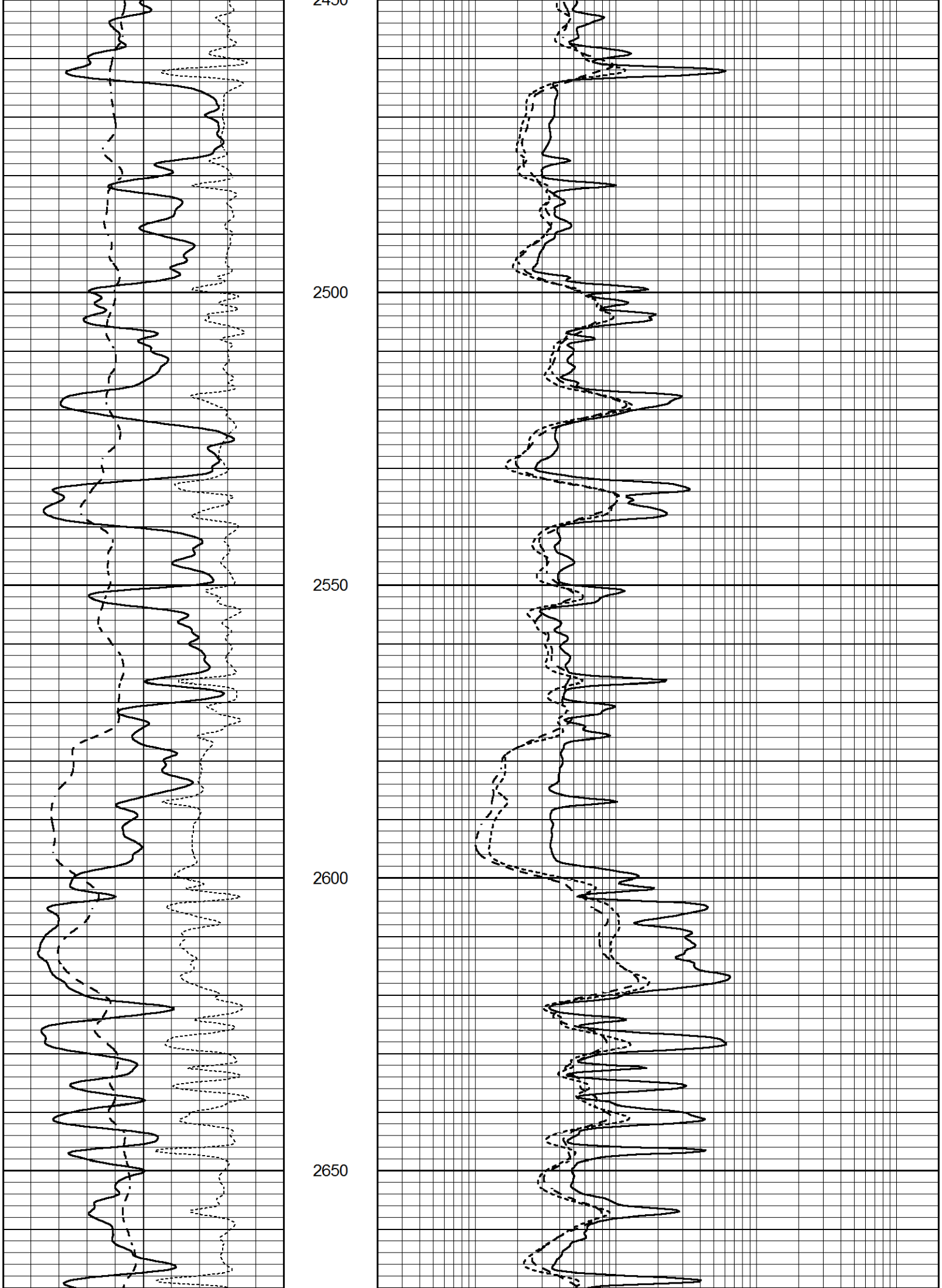
MAIN SECTION

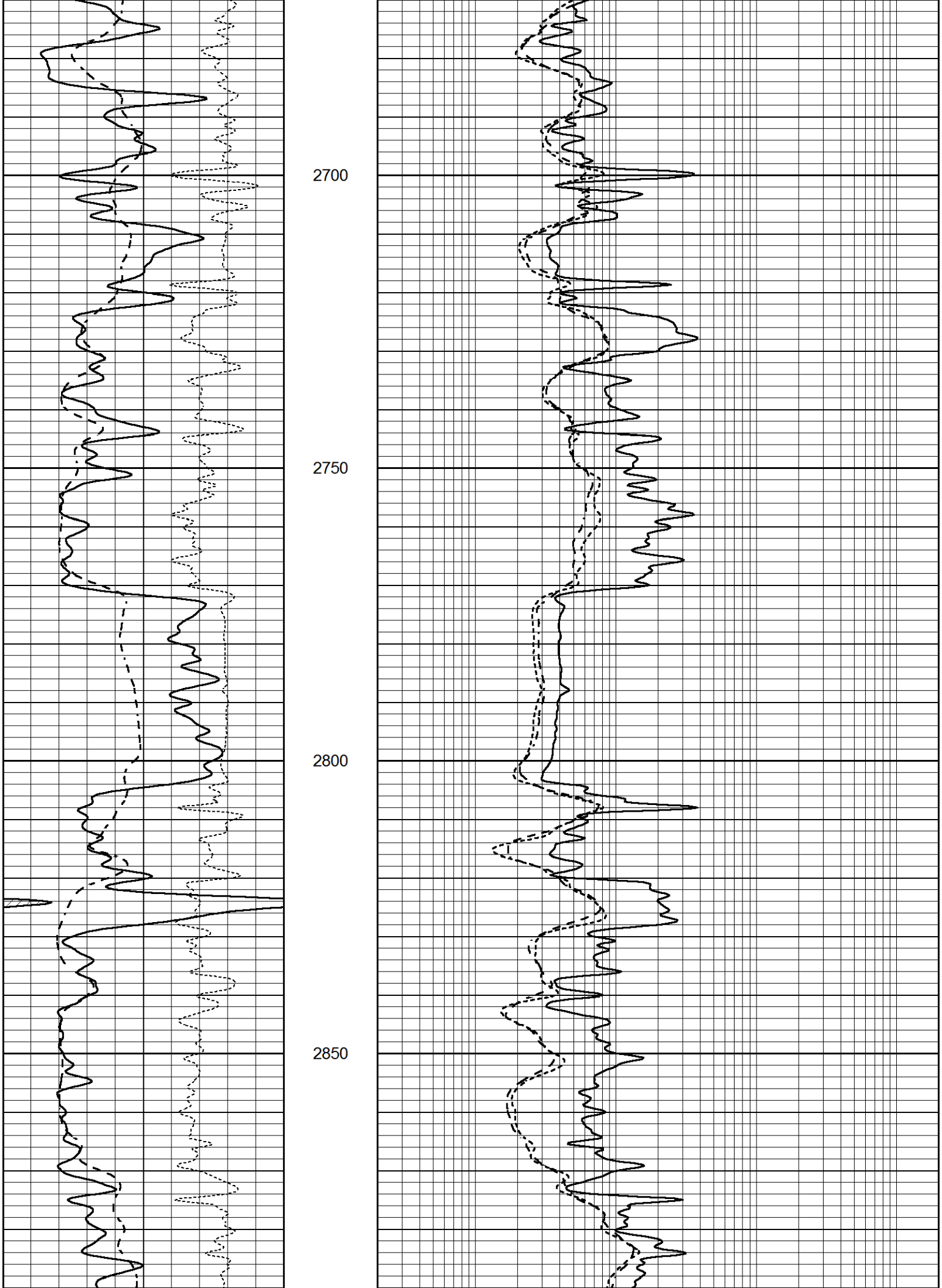
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Dataset Pathname	pass3.1
Presentation Format	_dil
Dataset Creation	Fri Oct 01 13:23:05 2021
Charted by	Depth in Feet scaled 1:240

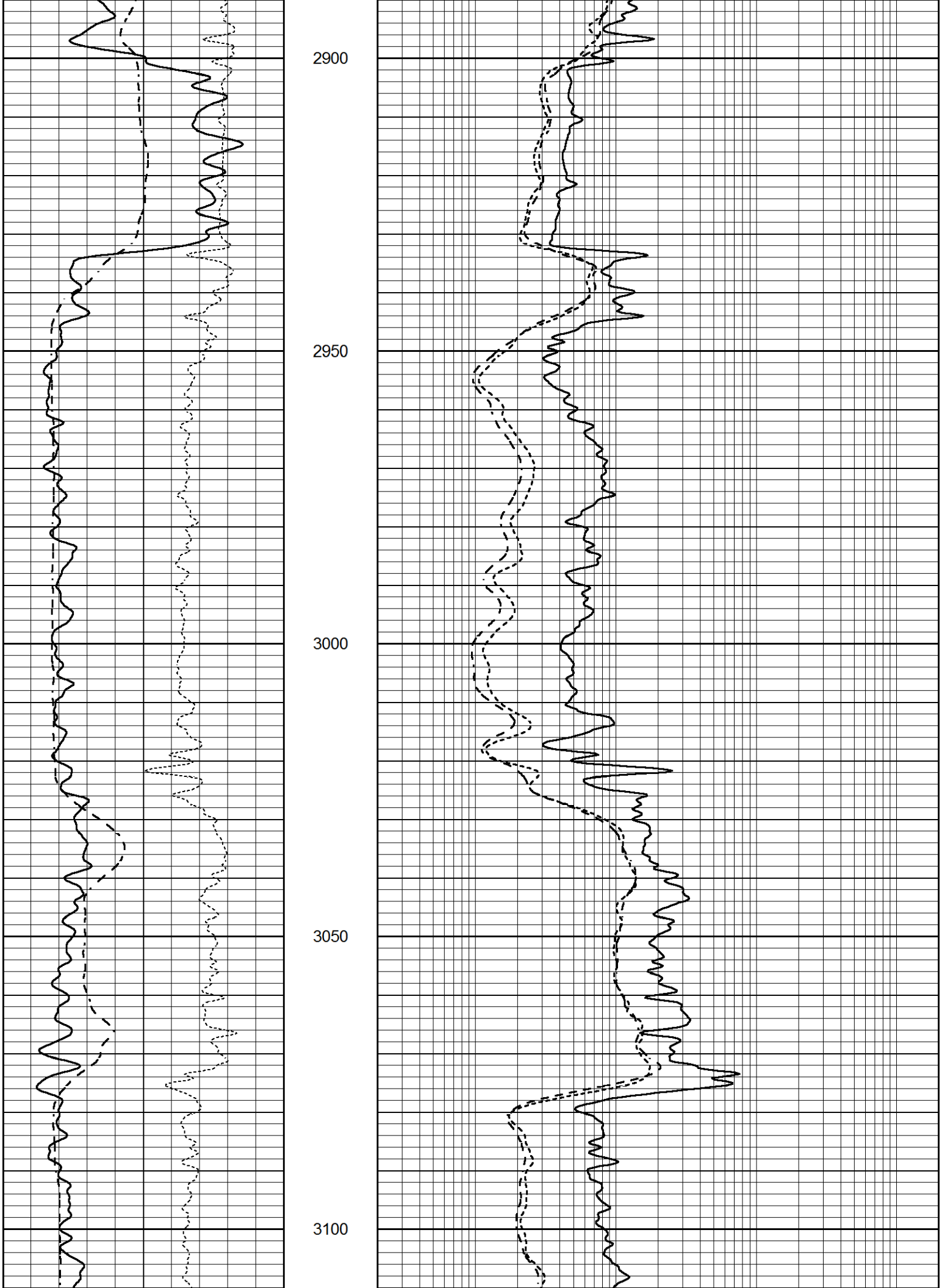
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

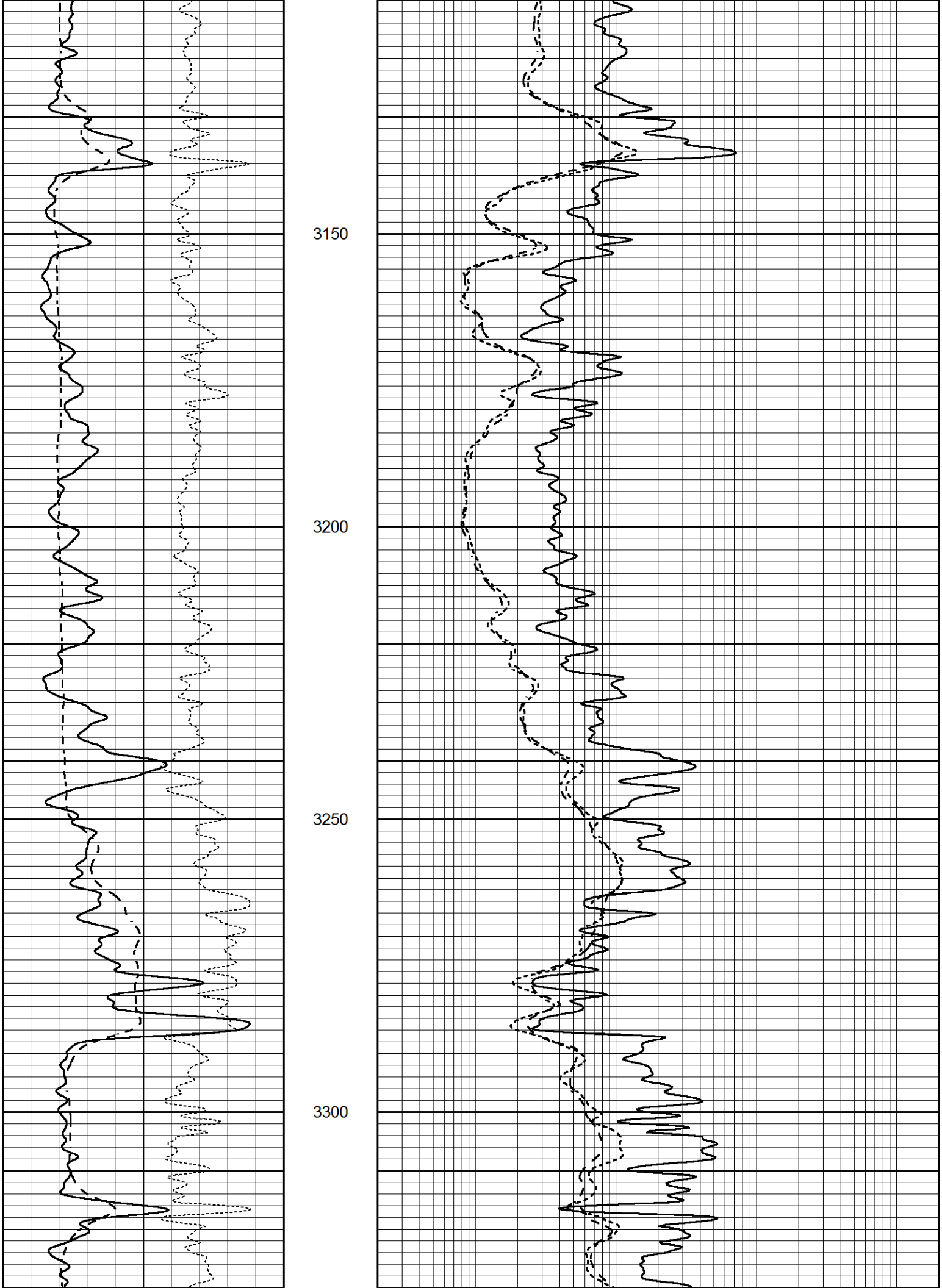
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

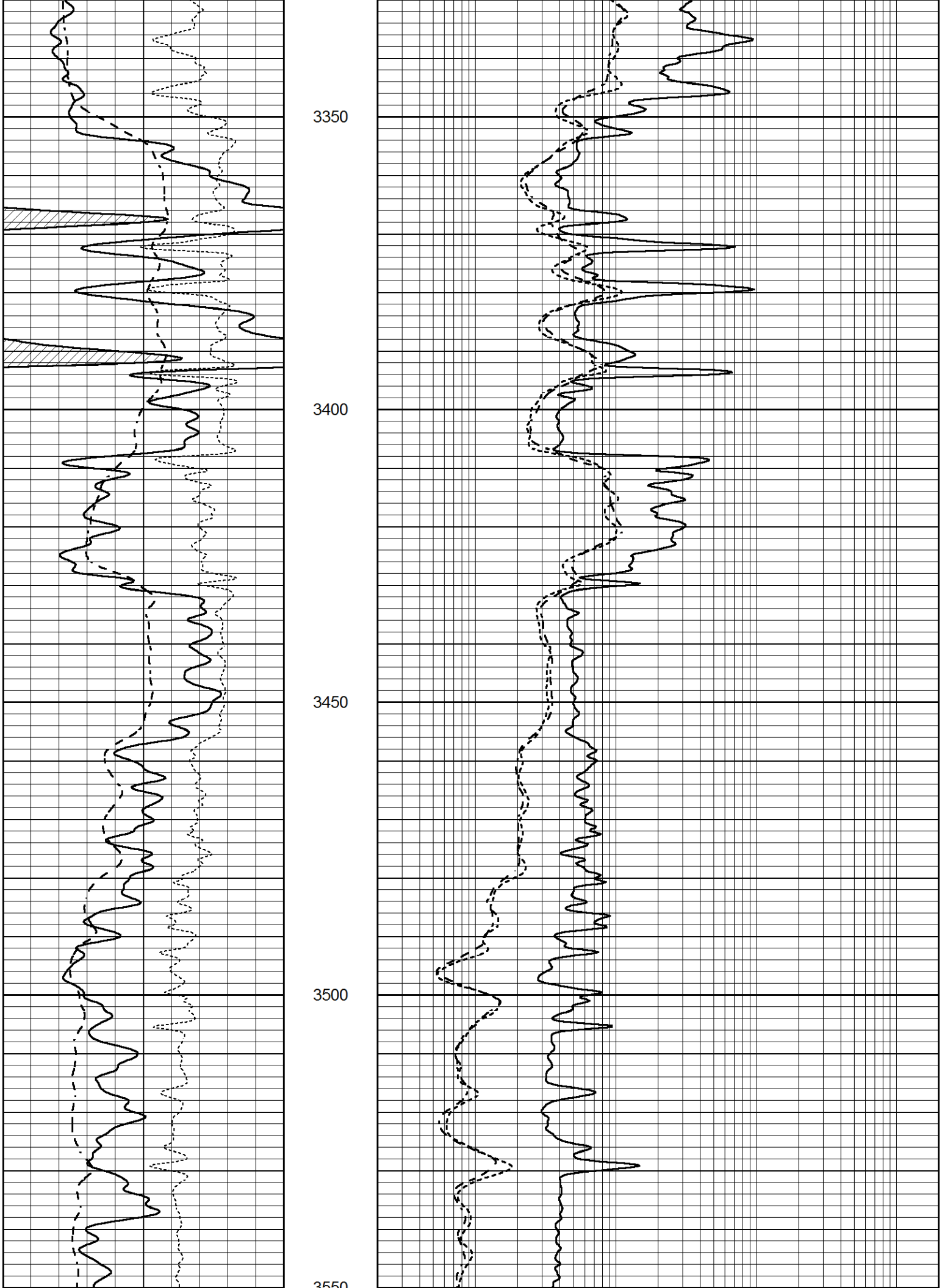


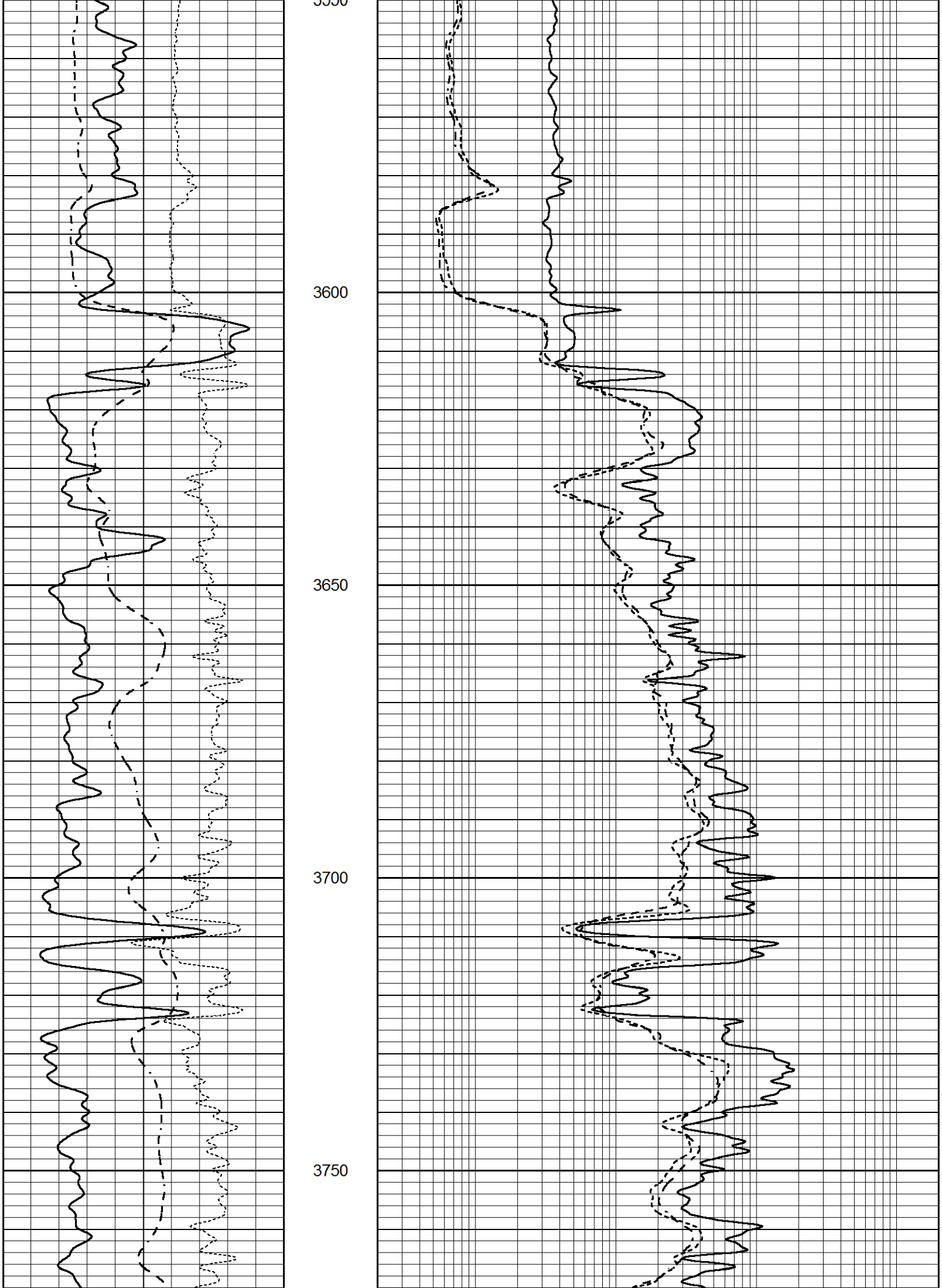

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2500
2550
2600
2650

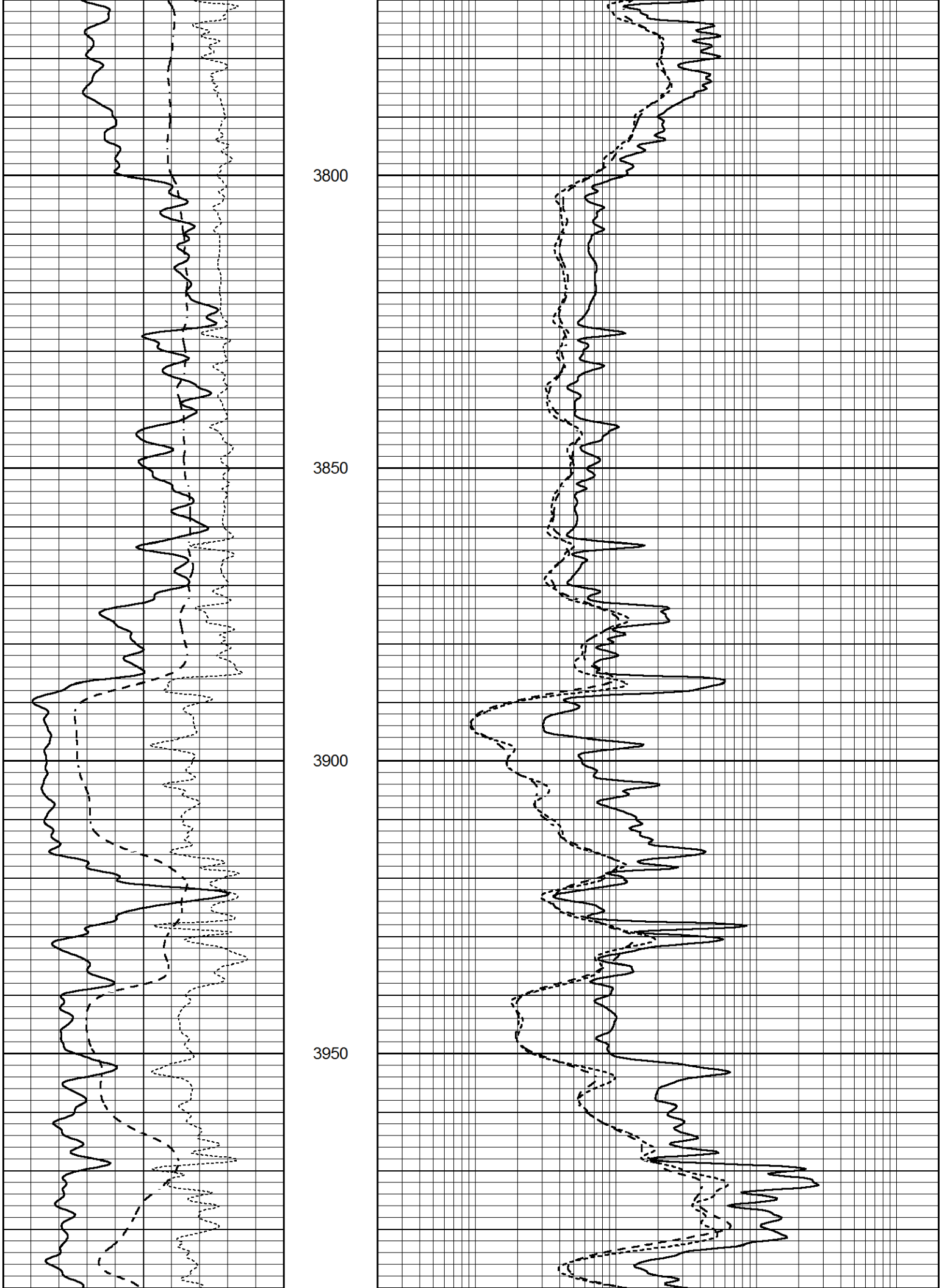

2700
2750
2800
2850

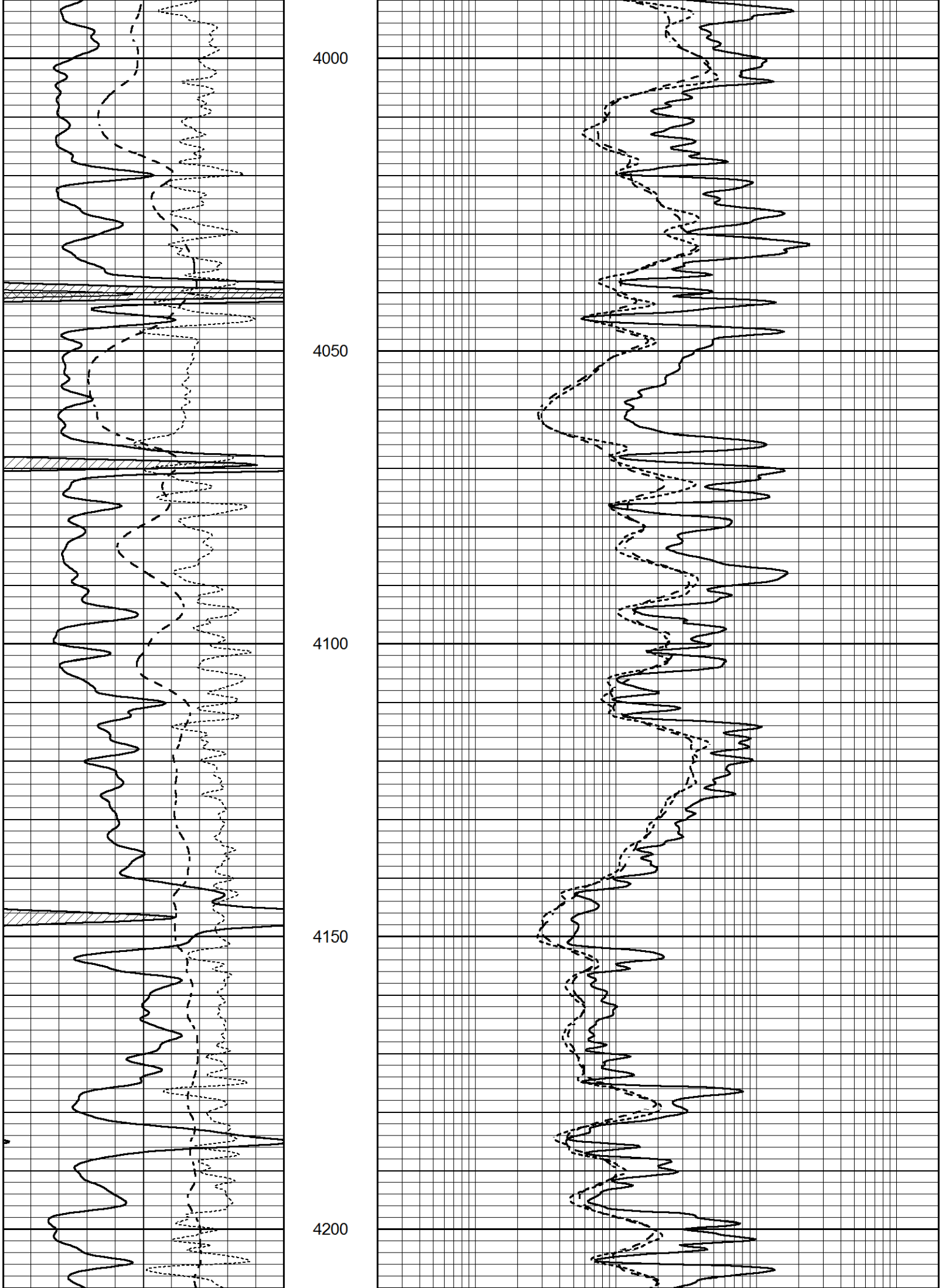

2900
2950
3000
3050
3100

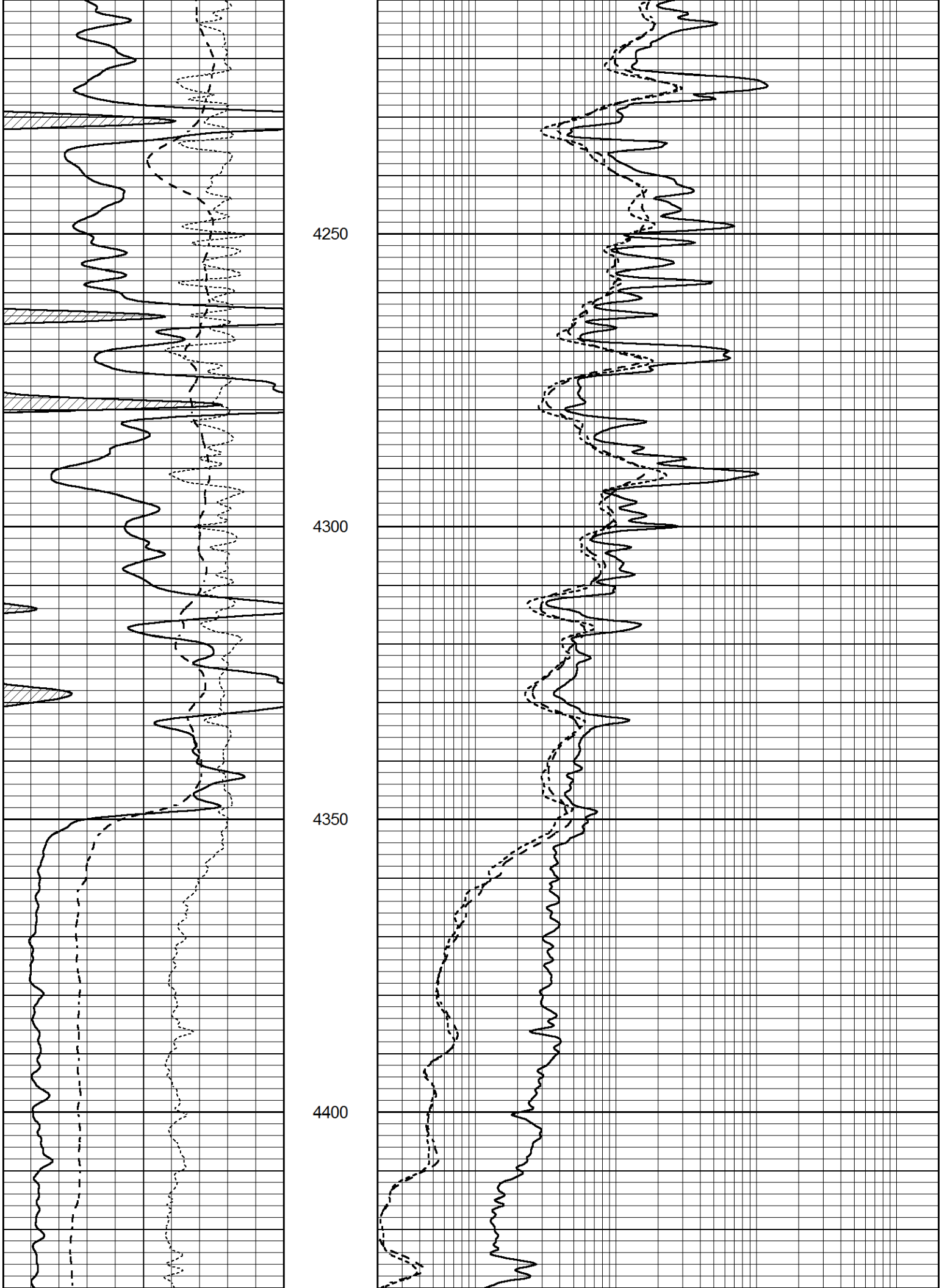

3150
3200
3250
3300

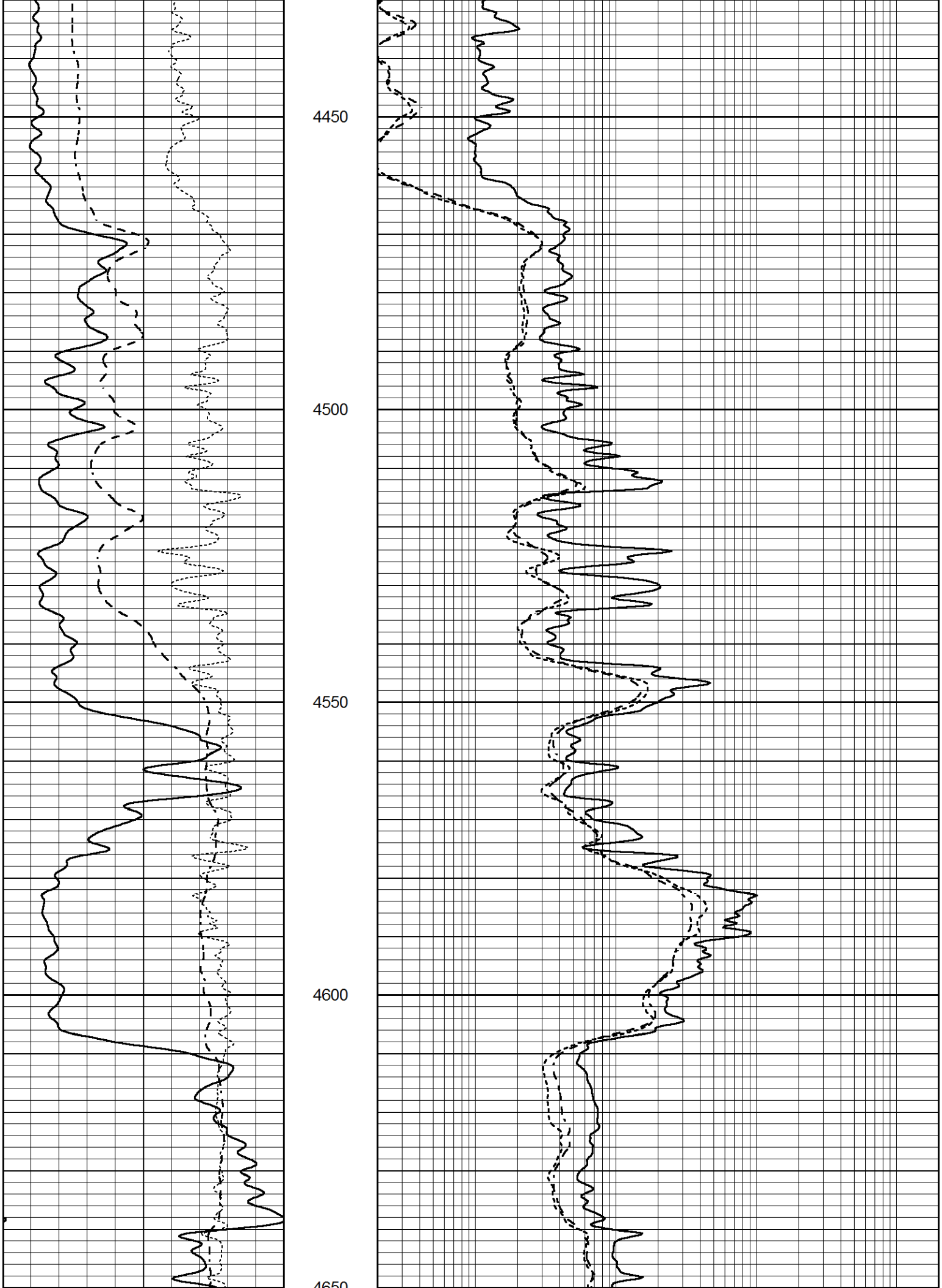

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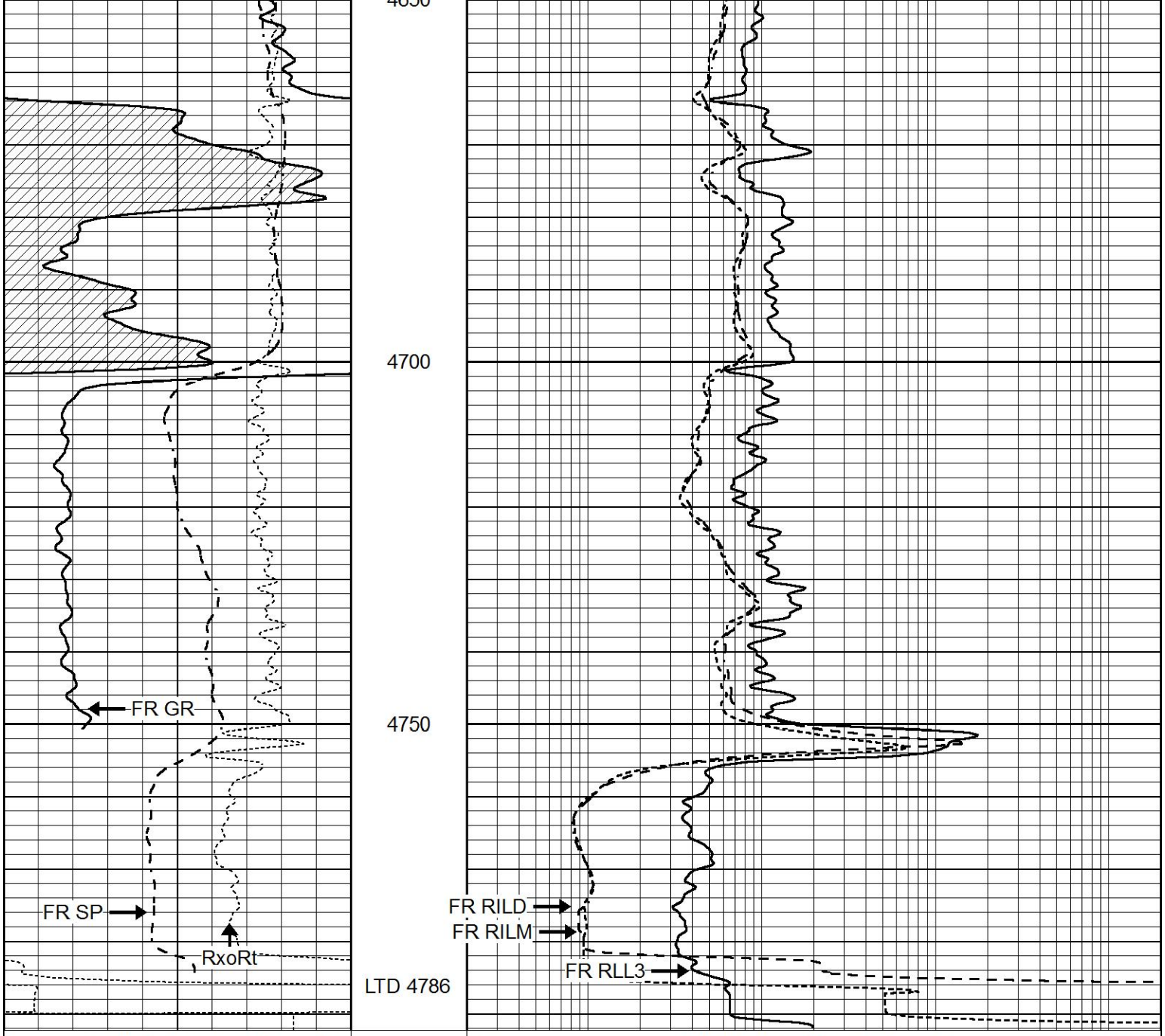

3600
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3800
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3950


4000
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4100
4150
4200


4250
4300
4350
4400


4450
4500
4550
4600
4650



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

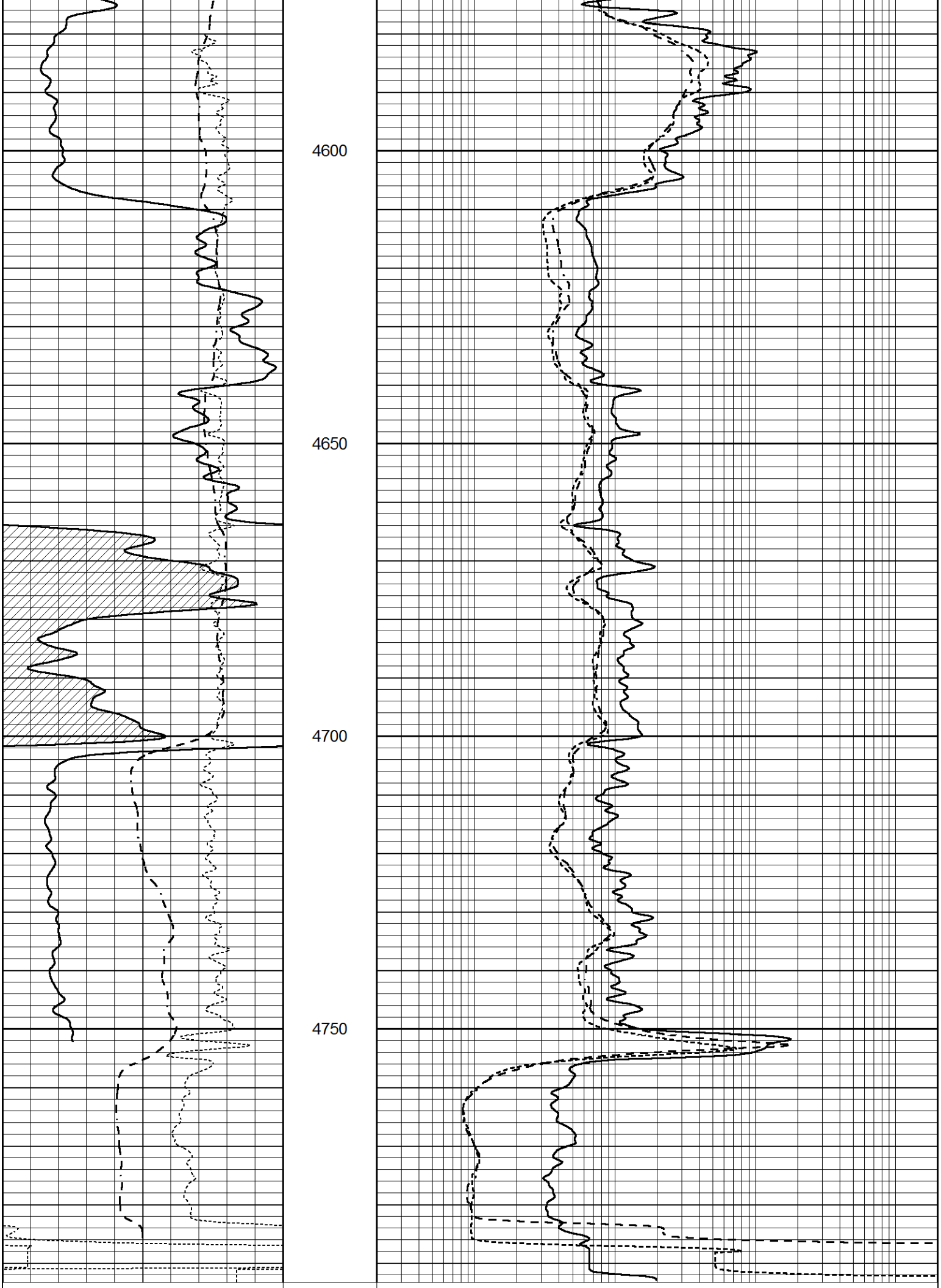
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

REPEAT SECTION

Database File	5859ddn.db
Dataset Pathname	pass2.1
Presentation Format	_dil
Dataset Creation	Fri Oct 01 12:40:41 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000


4600
4650
4700
4750

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

Calibration Report

Database File 5859ddn.db
Dataset Pathname pass2.1
Dataset Creation Fri Oct 01 12:40:41 2021

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Tue Feb 19 11:44:18 2019
Downhole Cal Performed: Tue Feb 19 11:44:24 2019
After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report

Serial: 140704
Model: V4_10P
Source Number: 74GBq-19

Master Calibration

Performed: Mon Dec 07 12:12:14 2020

	Background	Aluminum	Magnesium	
Window 1	557.73	5525.14	24361.20	cps
Window 2	47.08	1245.09	5901.17	cps
Window 4	239.06	1250.70	5456.76	cps
Window 5	564.08	8300.56	16134.07	cps
Window 6	44.21	1356.78	2705.40	cps

Window 8	267.87	2686.97	5150.30	cps
Bulk Density	-	2.6020	1.6830	g/cc
Pe	-	3.0000	2.5070	b/e

LS Alpha: : -1.8719 SS Alpha: : -0.8000 LS CPE: : 1.1424
LS Beta: : 135562.6841 SS Beta: : 20128.7209 SS CPE: : 1.5489

Before Survey Backround Counts Verification Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration Performed: Mon Dec 07 12:12:14 2020

Results Readings		References (in)			
Low	High	Low	High	Gain	Offset
5852.8	8972.7	8.0	14.0	0.0	-3.3

Before Survey Caliper Verification Performed:

	Reference	Reading
Caliper (in)		

After Survey Caliper Verification Performed:

	Reference	Reading
Caliper (in)		

Compensated Neutron Calibration Report

Serial Number: 080621PMC
Tool Model: NABORS

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	7	
Tool Model:	Probe1	
Performed:	Tue Jan 19 17:50:08 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5300	GAPI/cps