DUAL INDUCTION LOG

Company	Palomino Petroleum
Well	Johnson-Byrd-White Unit #1
Field	Wildcat
County	Ness
State	Kansas

Company Palomino Petroleum

Well Johnson-Byrd-White Unit #1

Field Wildcat

County Ness State Kansas

Location: API # : 15 135 25991

1800' FNL & 2488' FEL

SEC 7 TWP 19S RGE 25W

Other Services
CDNL
ML

Elevation
K.B. 2587'
D.F. 2586'
G.L. 2582'

Permanent Datum	Ground Level	Elevation	2582'
Log Measured From	KB 5' AGL		
Drilling Measured From	KB		

Date	3-01-18			
Run Number	One			
Depth Driller	4700'			
Depth Logger	4700'			
Bottom Logged Interval	4698'			
Top Log Interval	200'			
Casing Driller	218'			
Casing Logger	218'			
Bit Size	7 7/8"			
Type Fluid in Hole	Chemical			
Density / Viscosity	9.2/60+			
pH / Fluid Loss	10.5/6.4			
Source of Sample	Pit			
Rm @ Meas. Temp	0.70@90degf			
Rmf @ Meas. Temp	0.56@90degf			
Rmc @ Meas. Temp	0.90@90degf			
Source of Rmf / Rmc	Calculated			
Rm @ BHT	0.58@109degf			
Time Circulation Stopped	2:00 p.m			
Time Logger on Bottom	4:20 p.m			
Maximum Recorded Temperature	109degf			
Equipment Number	T127			
Location	Hays, KS			
Recorded By	C.Patterson			
Witnessed By	Mr. Ryan Seib			

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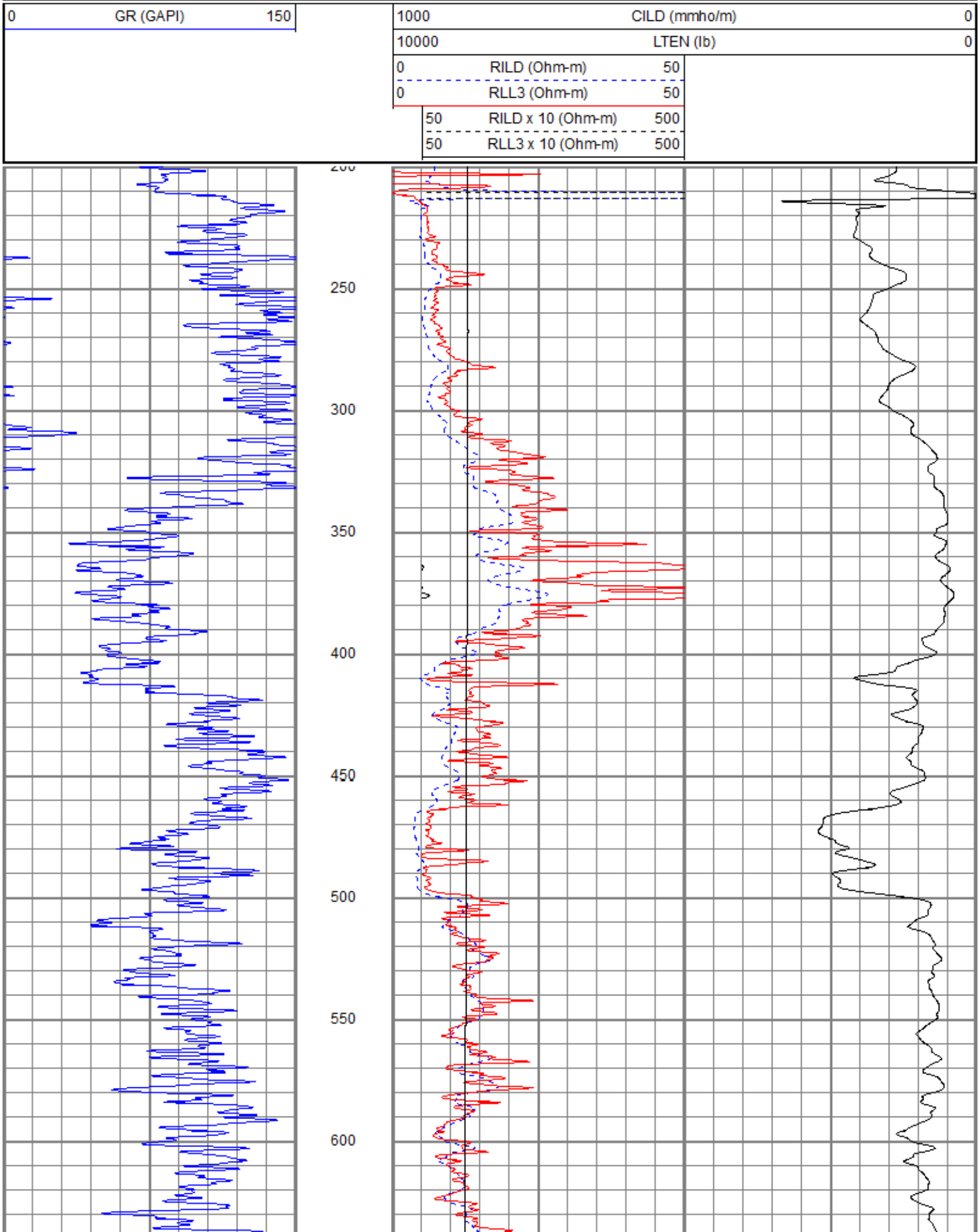
Comments

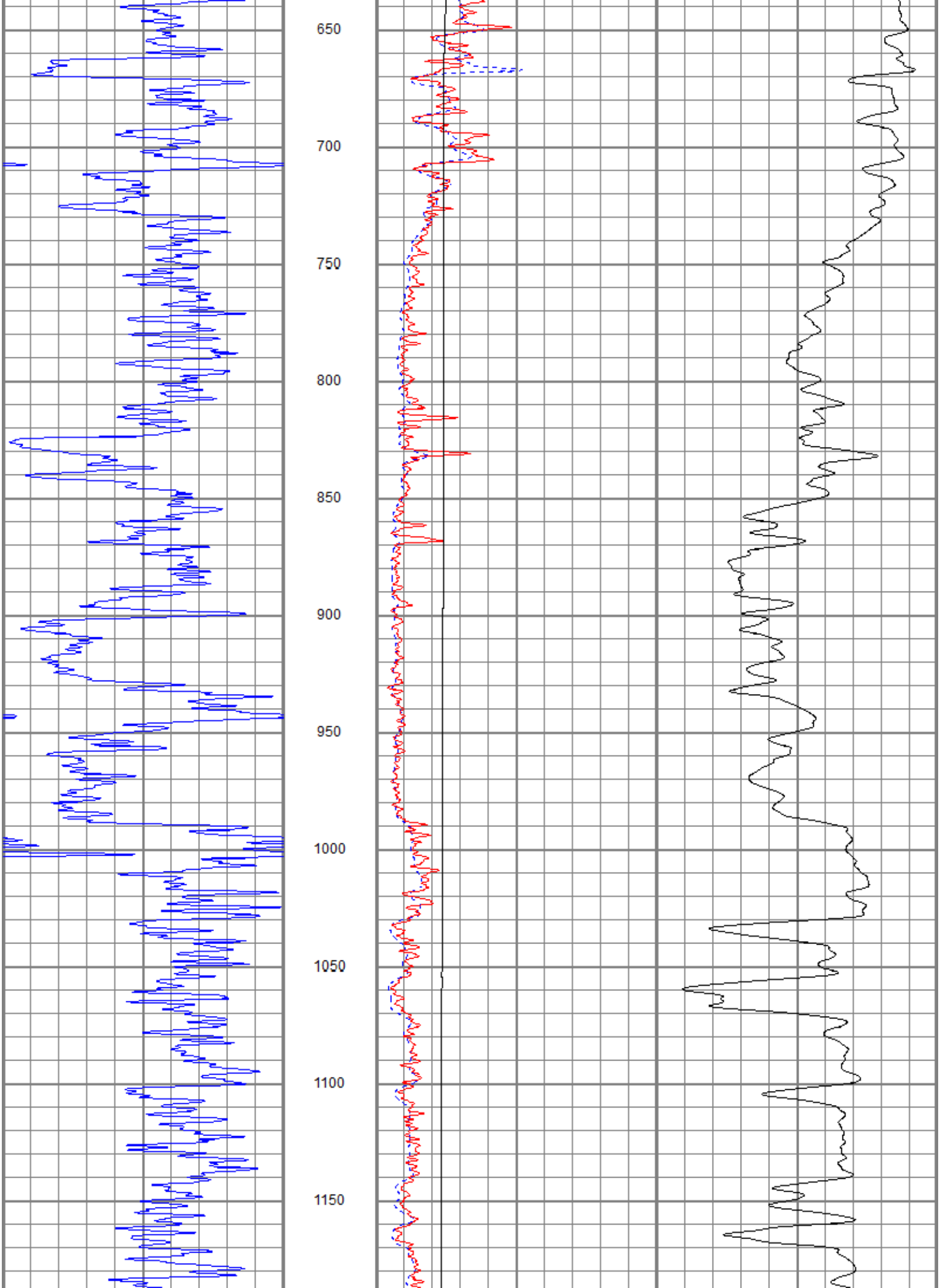
Beeler, KS Go South on C Rd. (east side of Beeler) to 100 Rd. (Aprox3 to 4 mi)
Then go East on 100 Rd. to Cattle Guard, Go Right After Cattle Guard & Follow trail to location
(south to east and then north into)

Thanks for using Gemini Wireline LLC
785-625-1182

MAIN PASS

Database File	ppjohnsonbyrdwhiteunit1oh.db
Dataset Pathname	pass2.1
Presentation Format	kdillinn
Dataset Creation	Thu Mar 01 17:42:47 2018
Charted by	Depth in Feet scaled 1:600

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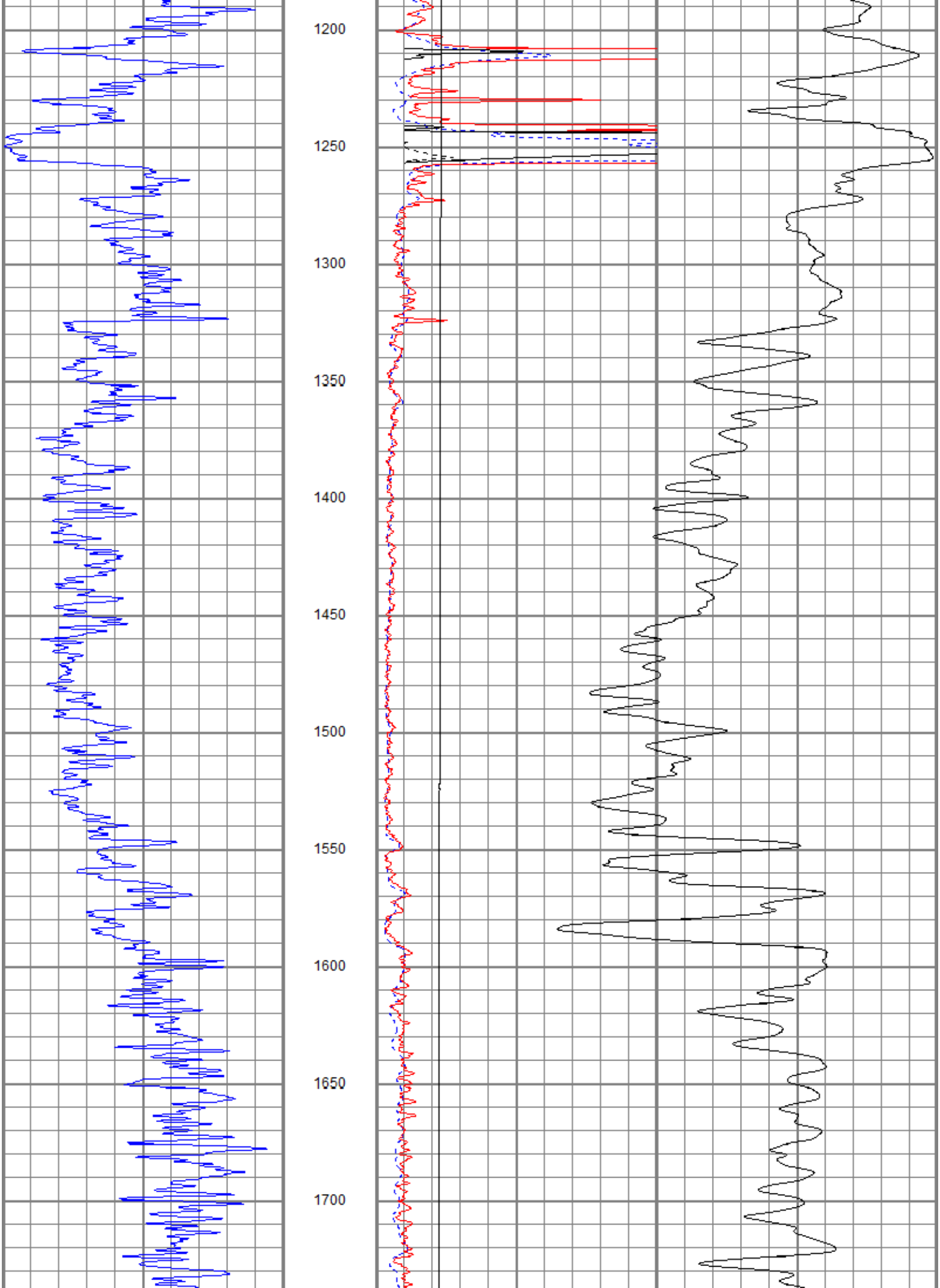
750
800
850
900
950
1000
1050
1100
1150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1400
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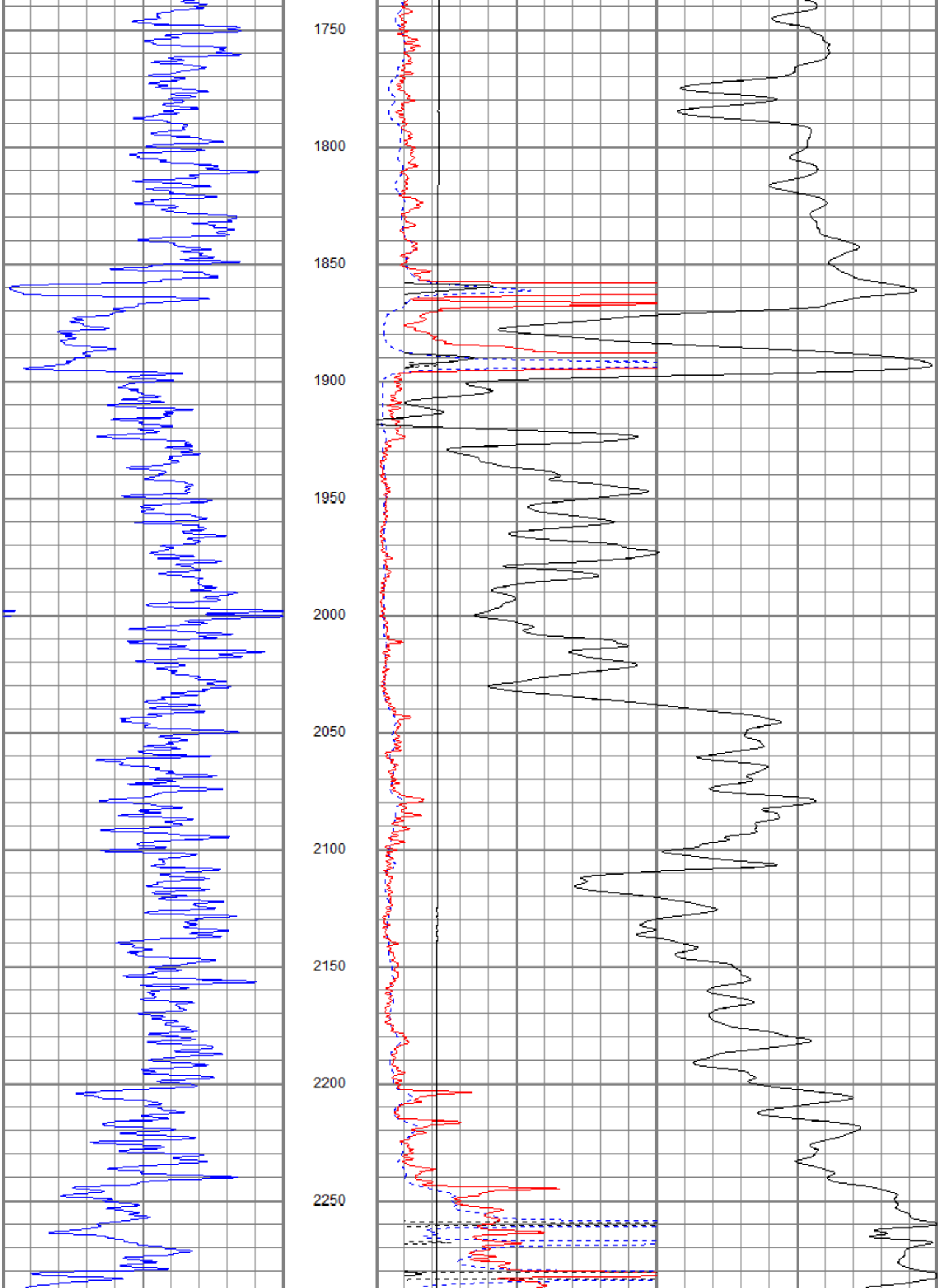
1500
1550
1600
1650
1700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2050
2100
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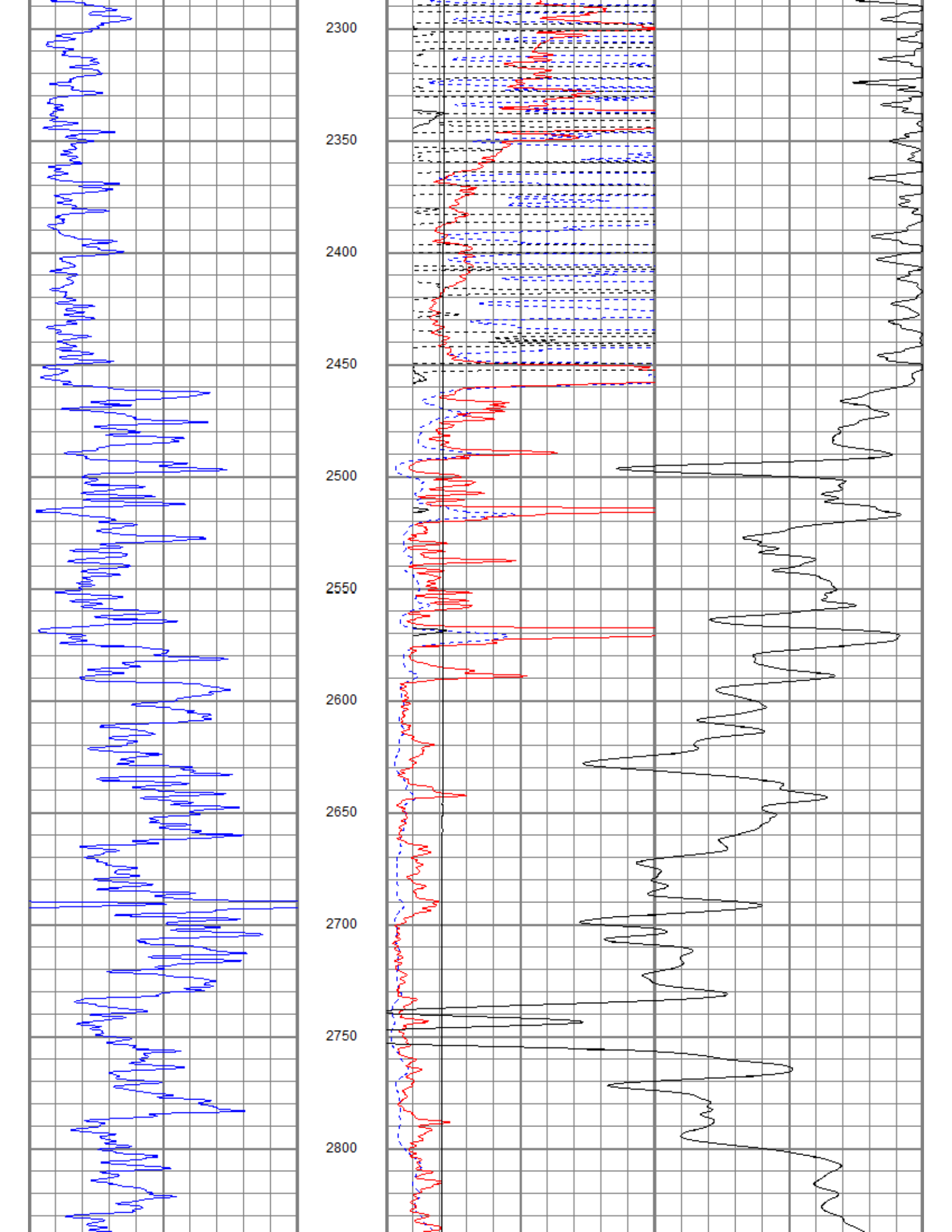
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2750
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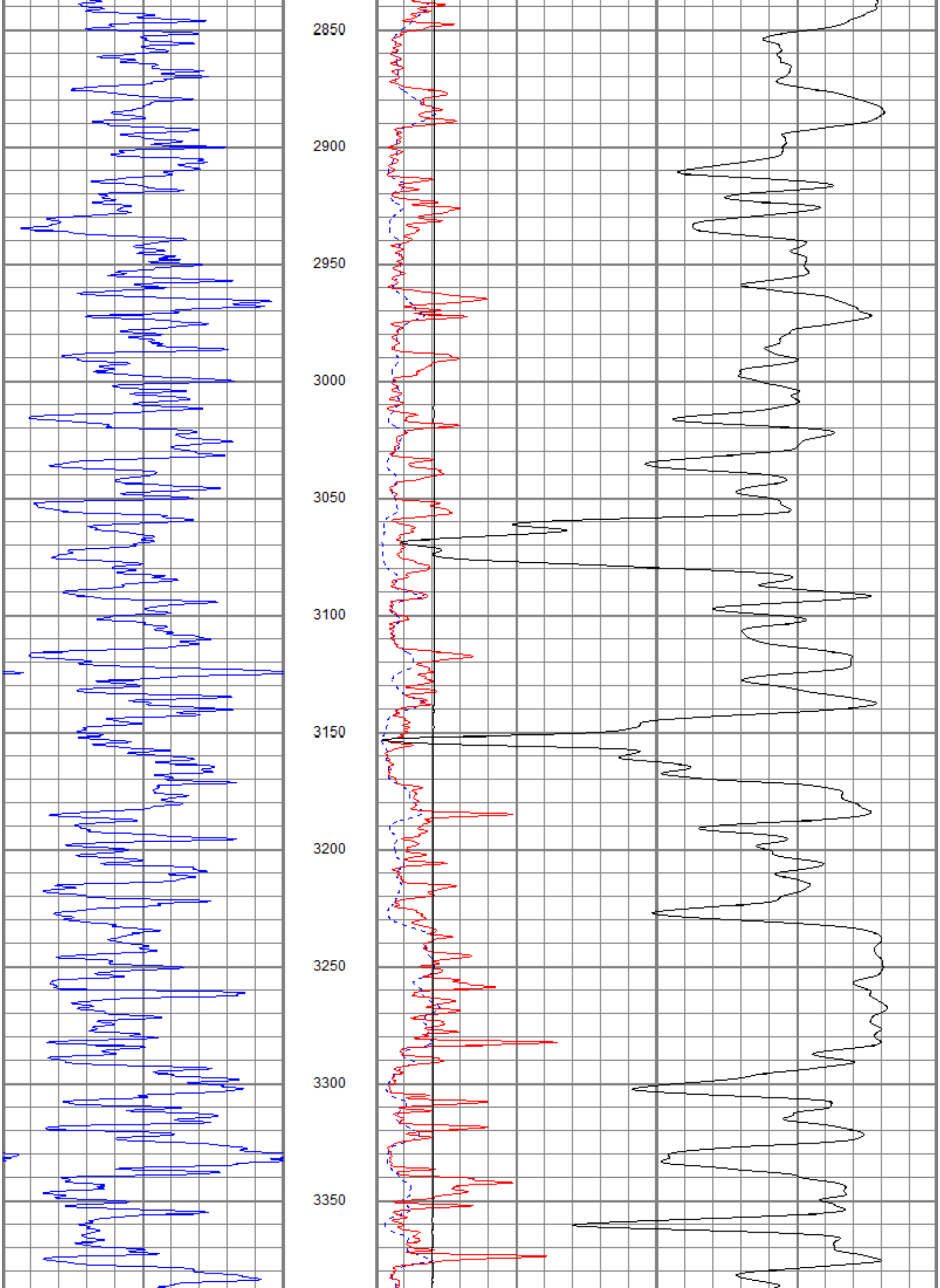
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3000
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3100
3150
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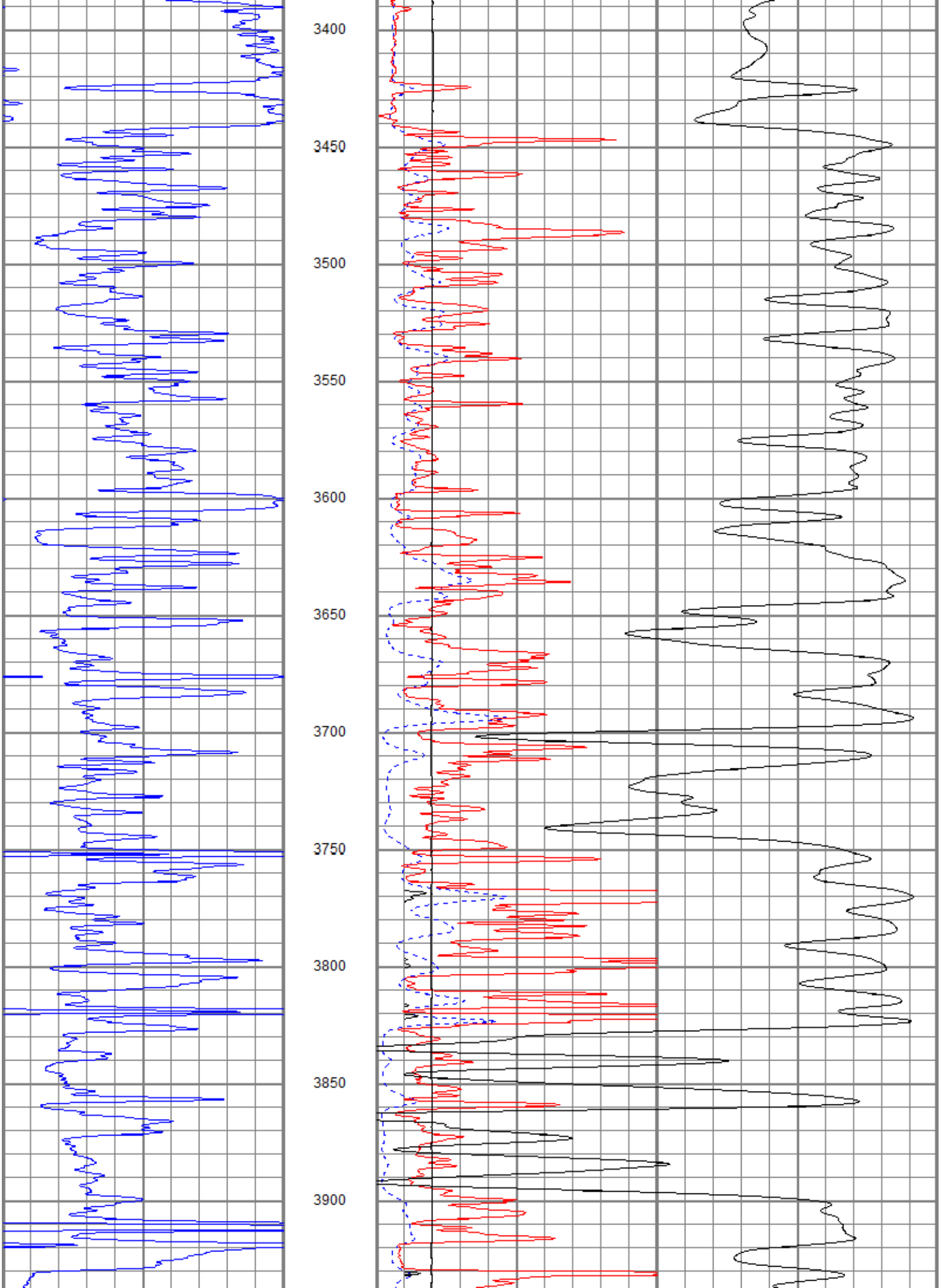
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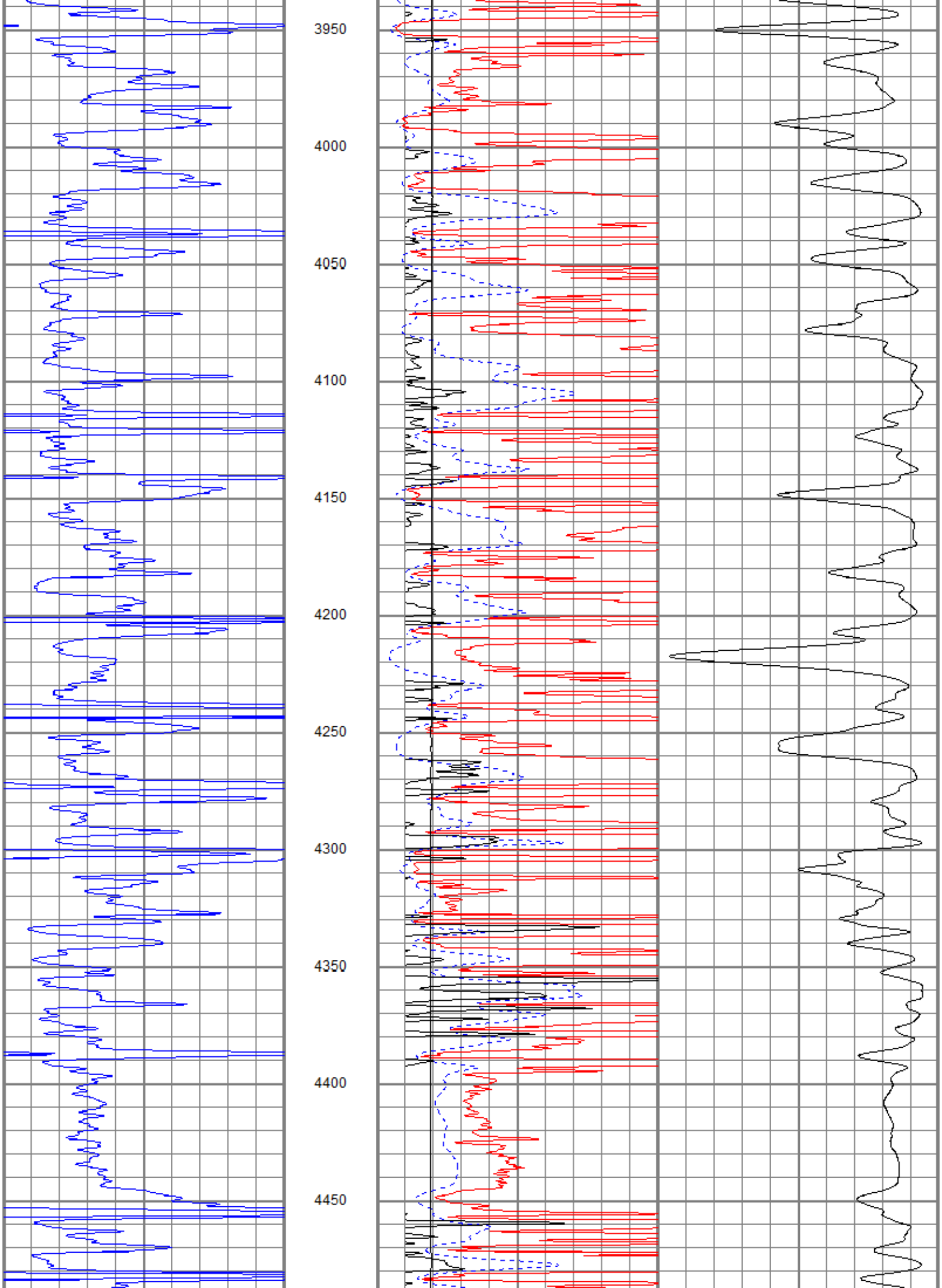
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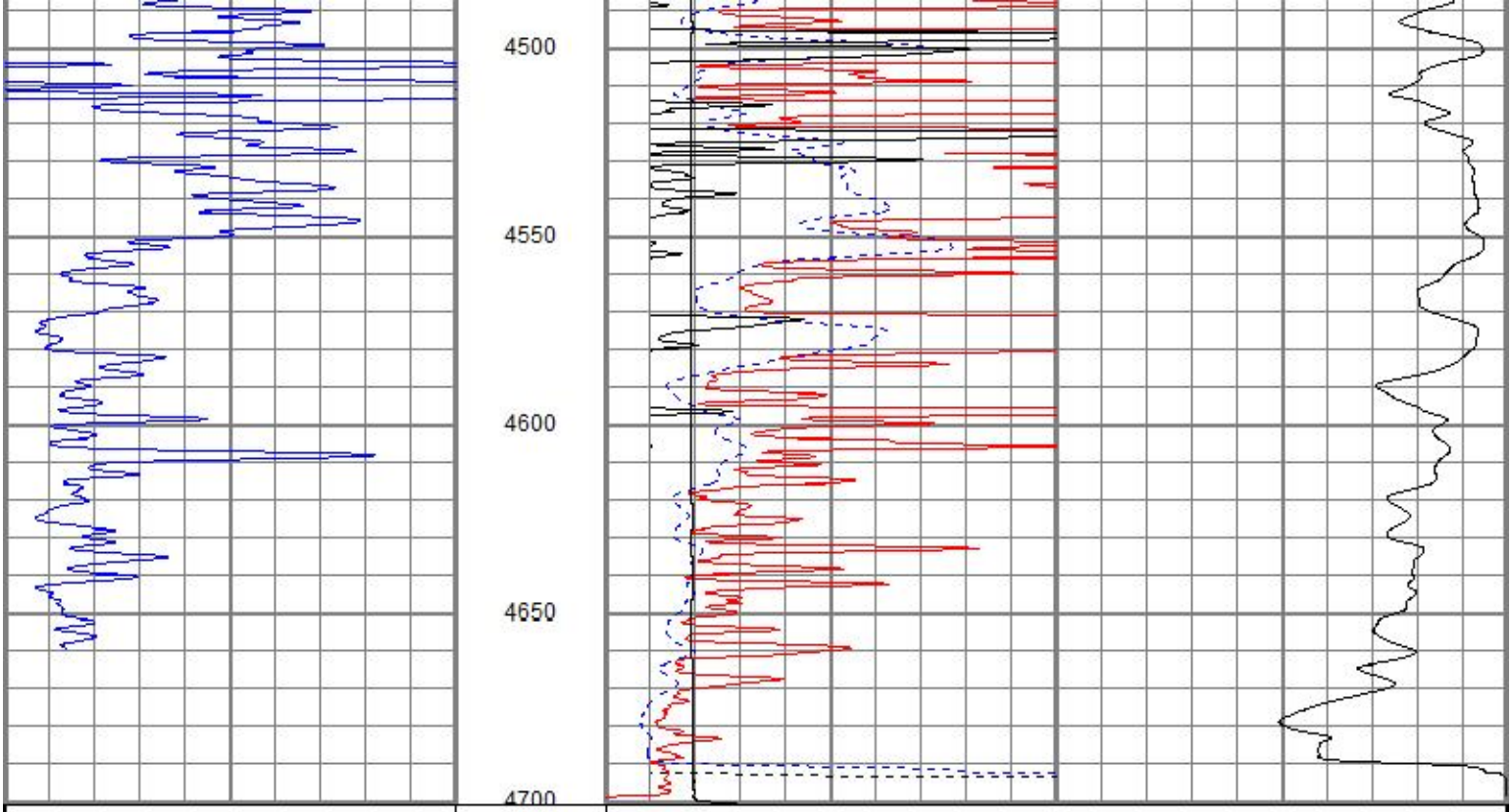
4200
4250
4300
4350
4400
4450

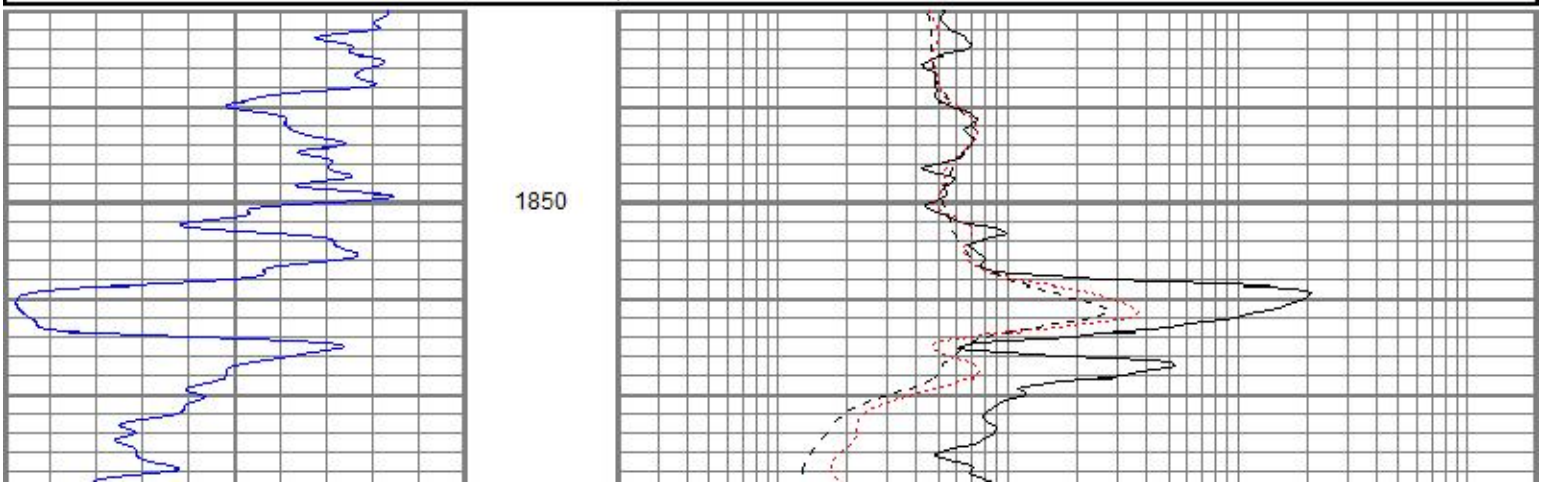


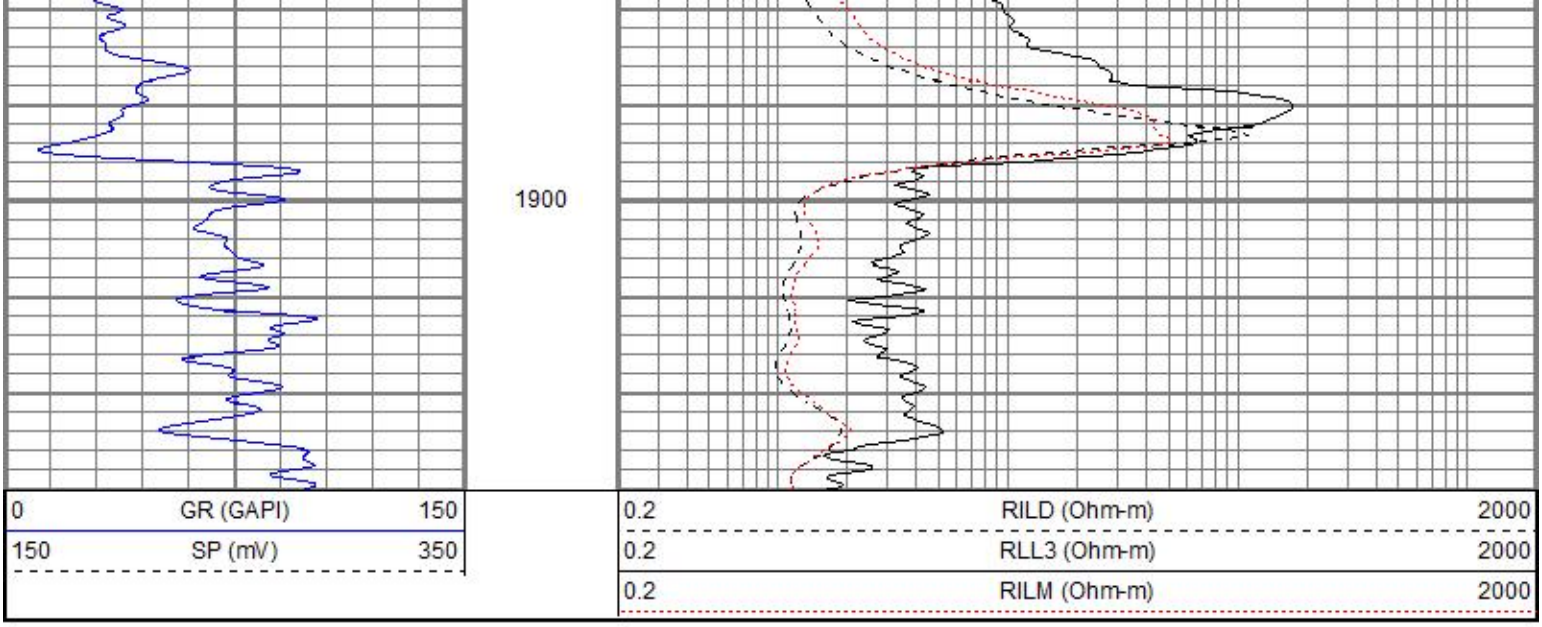
0	GR (GAPI)	150
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

MAIN PASS

Database File	ppjohnsonbyrdwhiteunit1oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Thu Mar 01 17:42:47 2018
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
150	SP (mV)	350
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

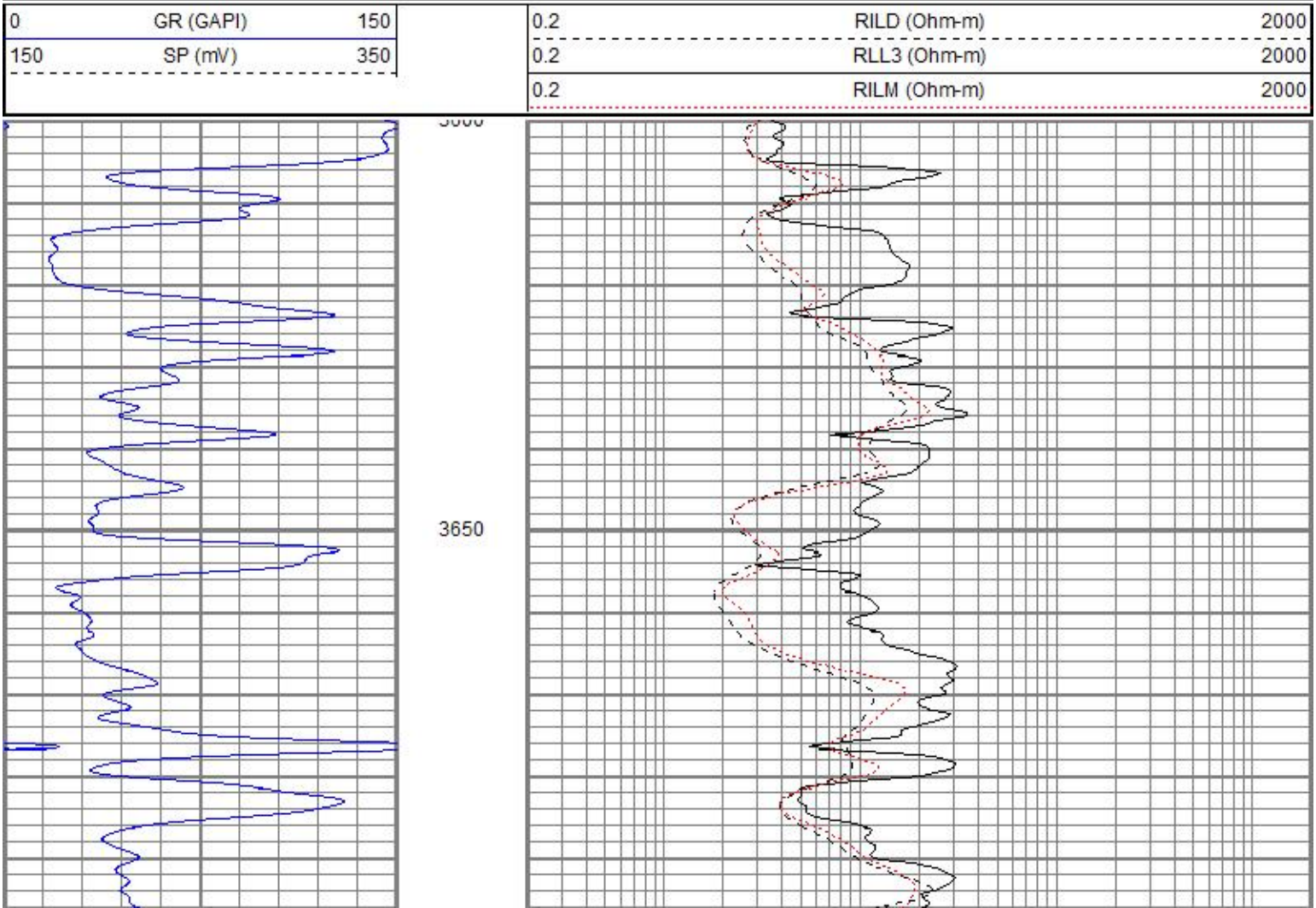


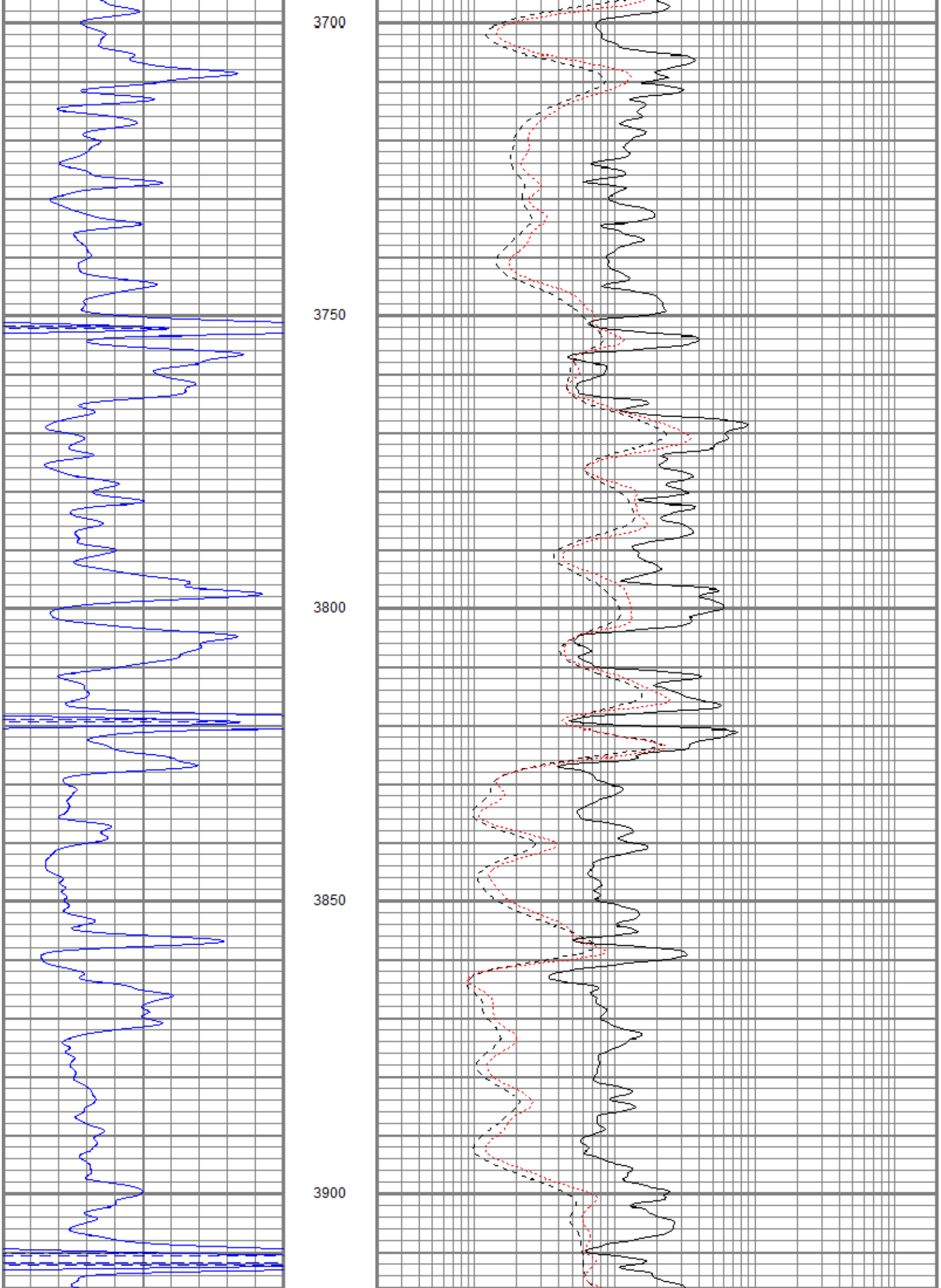


GEMINI WIRELINE

MAIN PASS

Database File	ppjohnsonbyrdwhiteunit1oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Thu Mar 01 17:42:47 2018
Charted by	Depth in Feet scaled 1:240

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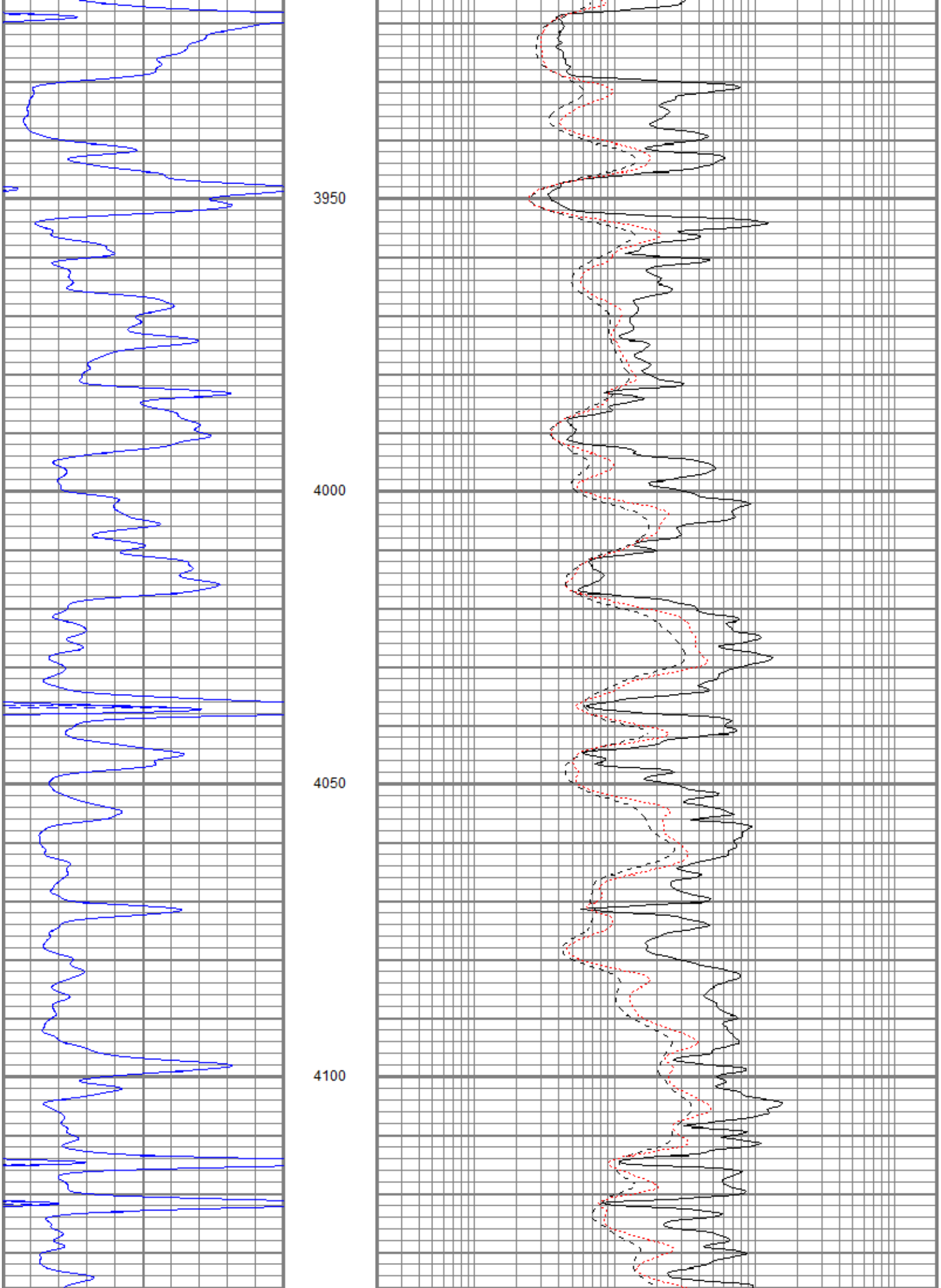
3800
3850
3900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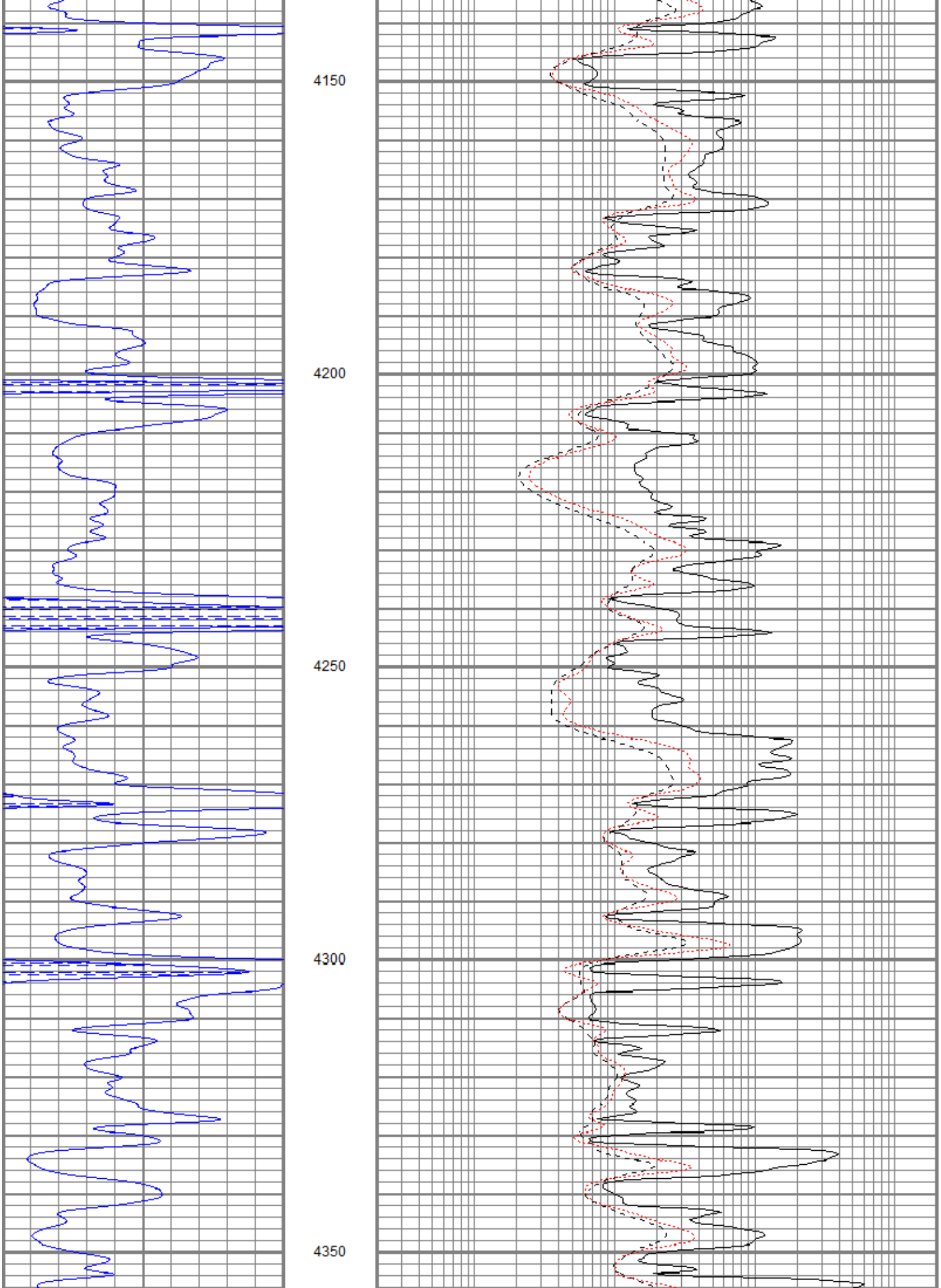
4000
4050
4100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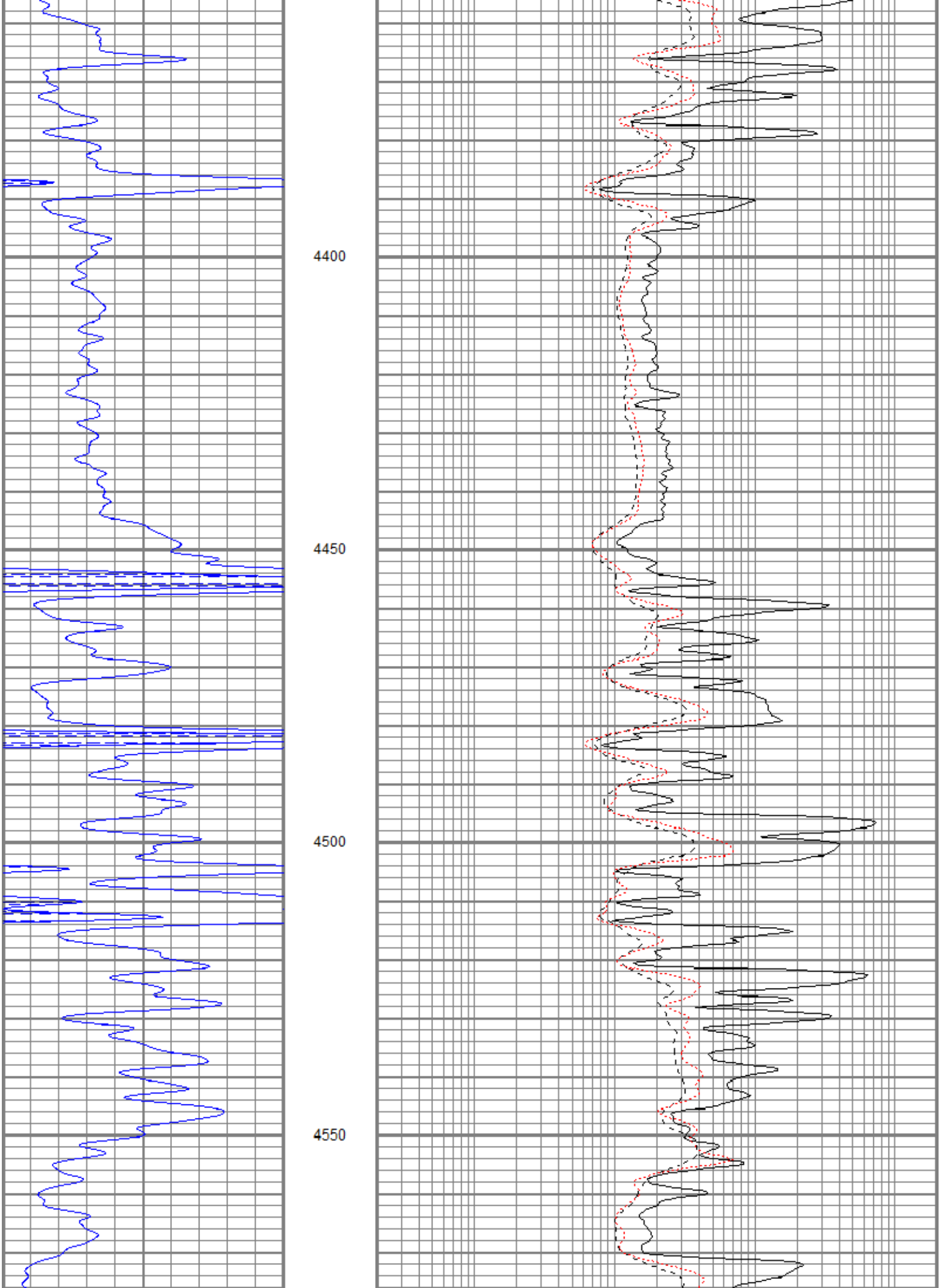
4300
4350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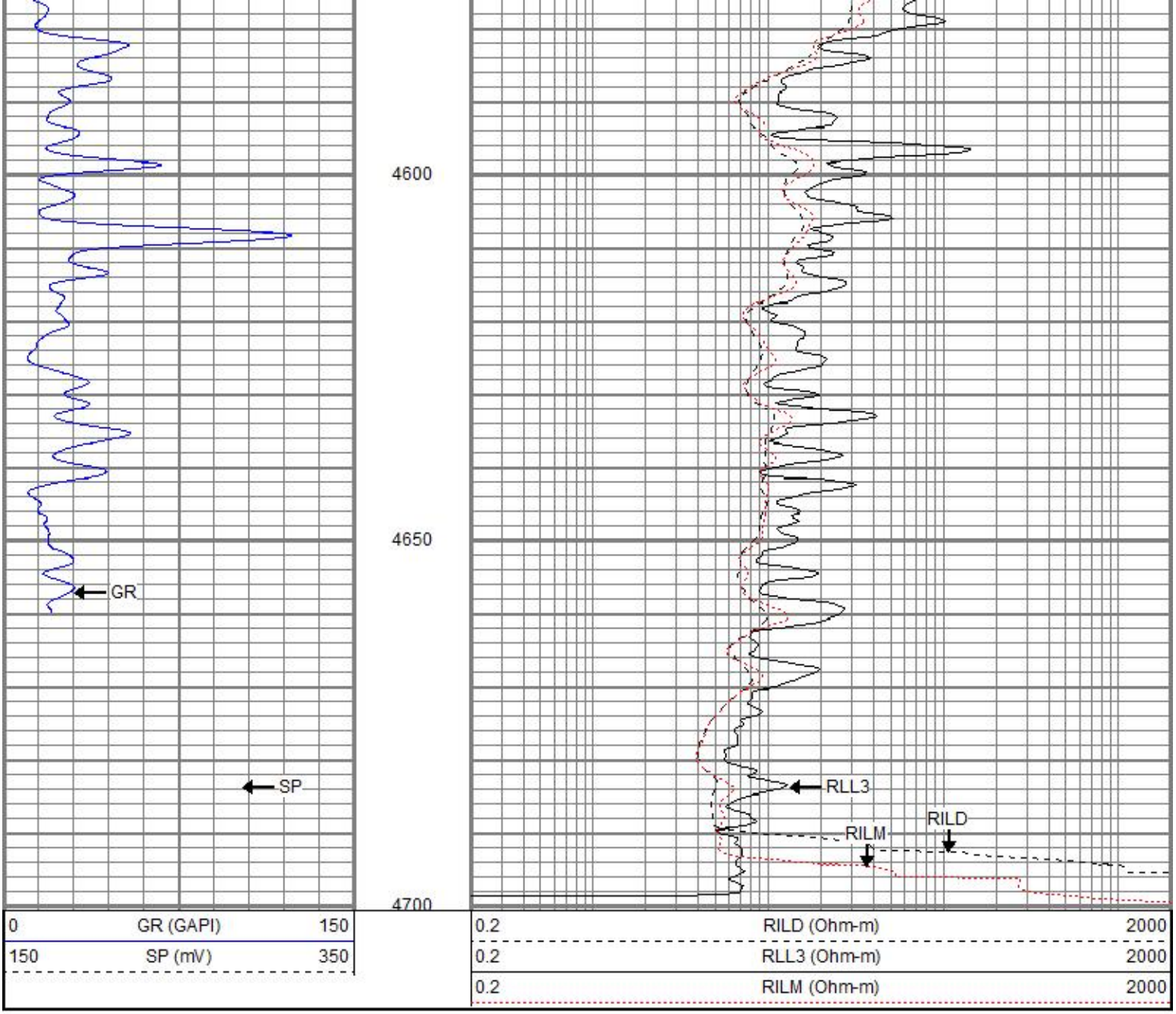


0	GR (GAPI)	150
150	SP (mV)	350

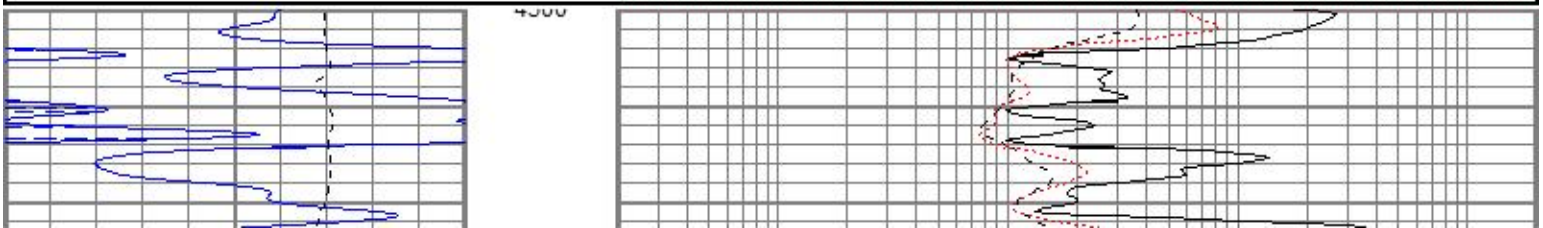
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

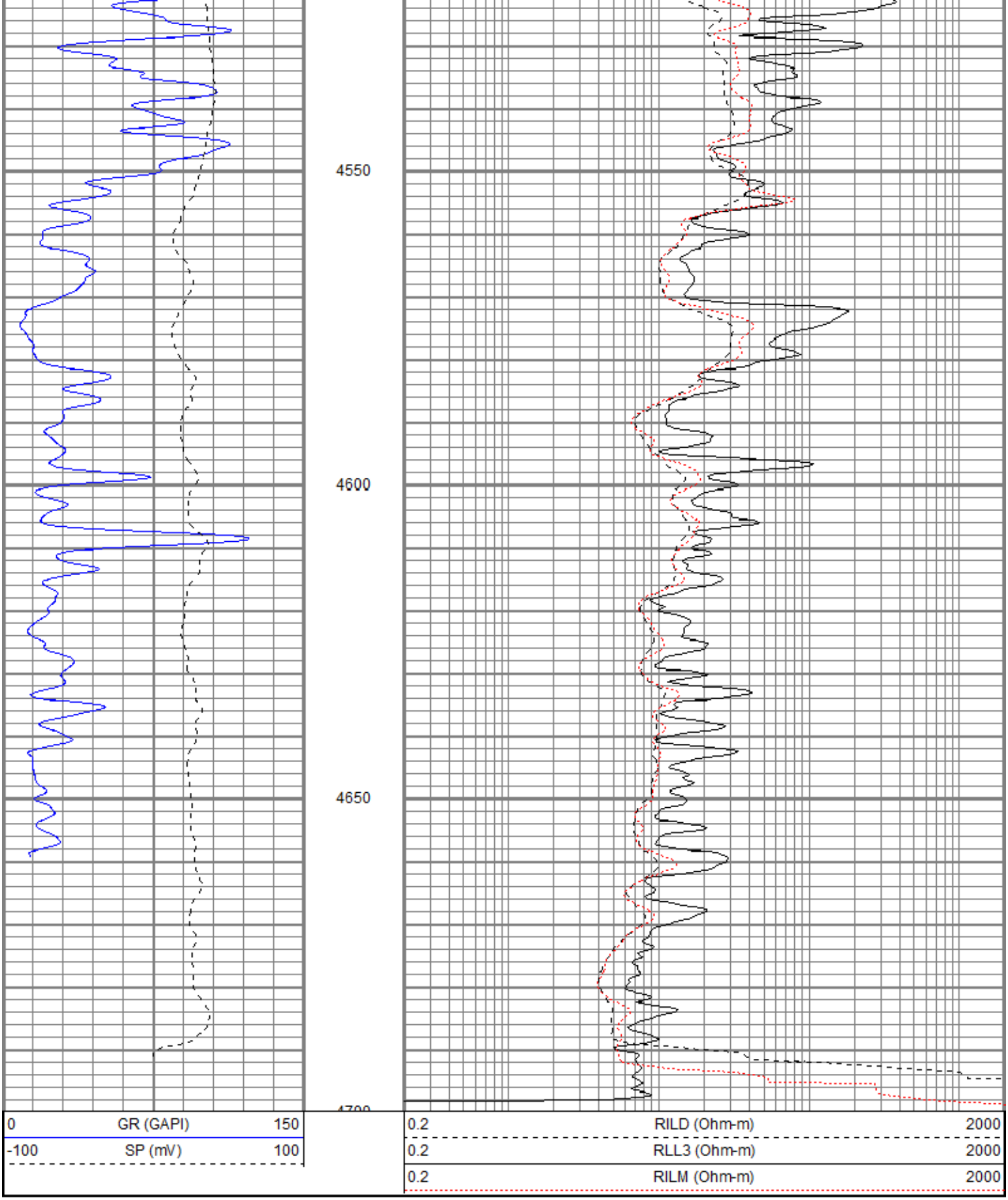
REPEAT SECTION

Database File	ppjohnsonbyrdwhiteunit1oh.db
Dataset Pathname	pass1.1
Presentation Format	kdil
Dataset Creation	Thu Mar 01 17:47:45 2018
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000





Calibration Report

Database File	ppjohnsonbyrdwhiteunit1oh.db
Dataset Pathname	pass2.1
Dataset Creation	Thu Mar 01 17:42:47 2018

Dual Induction Calibration Report

Serial-Model:	1989-ADM
Surface Cal Performed:	Wed Feb 14 05:11:38 2018
Downhole Cal Performed:	Wed Feb 14 05:12:25 2018
After Survey Verification Performed:	Wed Feb 14 05:12:25 2018

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.009	0.667	V	0.000	350.000	mmho/m	517.989	4.543
Medium	-0.004	0.750	V	0.000	400.000	mmho/m	530.106	2.252
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.009	0.665	V	0.000	350.000	mmho/m	519.279	4.570
Medium	-0.005	0.750	V	0.000	550.000	mmho/m	728.849	3.479

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.003	350.326	mmho/m	-0.016	349.115	mmho/m	0.997	-0.019
Medium	-0.828	398.900	mmho/m	-0.278	399.748	mmho/m	1.001	0.551
Shallow	2.506	0.018	V	500.000	2.000	Ohm-m	275.206	-4.659

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.003	350.326	mmho/m	0.997	-0.019
Medium	0.000	0.000	mmho/m	-0.828	398.900	mmho/m	1.001	0.551
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number:	2017	
Tool Model:	lithogearhart	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Temperature Calibration Report

Serial Number:	WithOutMC			
Tool Model:	WOMC			
Performed:	(Not Performed)			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

Inclinometer Calibration Report

Performed: Wed Dec 06 22:31:06 2017

Low Read.	High Read.	Low Ref.	High Ref.

X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	WithOutMC	
Tool Model:	WOMC	
Performed:	Wed Dec 06 22:30:58 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Sensor	Offset (ft)
GR	38.31
ACCY	37.15
ACCX	37.15
SSTAT	36.73
PSTAT	35.90
ASTAT	35.90
GRD	35.06
TEMP	35.06
NEU	31.70
LStat	22.54
LS8	21.88
LS7	21.88
LS6	21.88
LS5	21.88
LS4	21.88
LS3	21.88
LS2	21.88
LS1	21.88
LSV	21.88
LSD	21.86
SSV	21.67
SS8	21.67
SS7	21.67
SS6	21.67
SS5	21.67
SS4	21.67
SS3	21.67
SS2	21.67
SS1	21.67
DCAL	21.61
SSD	21.27
SP	10.60
CILD	10.60
CILM	6.89
RLL3	1.70

Schematic

Description	Length (ft)	O.D. (in)	Weight (lb)
CHD-STD	0.50	1.69	1.00
ADT-WOMC (WithOutMC) Telemetry Without Mud Cell	4.58	3.50	120.00
NEU-lithogearhart (2017)	5.65	3.50	85.00
ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
DIL-ADM (1989) Dual Induction	19.71	4.00	300.00

Dataset: ppjohnsonbyrdwhiteunit1oh.db: field/well/run1/pass2.1
Total length: 39.73 ft
Total weight: 746.00 lb

TR_Mon	0.00	⊟	Total weight:	740.00 lb
			O.D.:	4.00 in