



DUAL INDUCTION LOG

Company	Palomino Petroleum	Company	Palomino Petroleum
Well	Cinda Flax #3	Well	Cinda Flax #3
Field	Arnold East	Field	Arnold East
County	Ness	County	Ness
State	Kansas	State	Kansas
Location:	API # : 15 135 26029	Other Services	CDNL ML
SEC 25 TWP 16S RGE 25W	1208' FSL & 2457' FEL	Elevation	2506'
Permanent Datum	Ground Level	Elevation	2506'
Log Measured From	KB 10' AGL	D.F.	2515'
Drilling Measured From	KB	G.L.	2506'
Date	11-12-18		
Run Number	One		
Depth Driller	4636'		
Depth Logger	4640'		
Bottom Logged Interval	4638'		
Top Log Interval	190'		
Casing Driller	8 5/8" @ 220'		
Casing Logger	220'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.2/48		
pH / Fluid Loss	11.0/6.0		
Source of Sample	Pit		
Rm @ Meas. Temp	1.5@60degf		
Rmf @ Meas. Temp	1.13@60degf		
Rmc @ Meas. Temp	1.8@60degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.80@113degf		
Time Circulation Stopped	4:30 a.m		
Time Logger on Bottom	10:40 a.m		
Maximum Recorded Temperature	113degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	C. Patterson		
Witnessed By	Mr. Andrew Stenzel		

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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

Hwy 4 East Out of Arnold, KS 1 mi. To L Rd.,
South 1 mi. on L Rd. to 250 Rd, Then West on 250 Rd. 1/4 mi. ,
North Down Existing Lease Road to Location

Thanks for using Gemini Wireline LLC
785-625-1182



MAIN PASS

Database File ppcindaflax#3.db
Dataset Pathname pass3.1
Presentation Format kdiillinn
Dataset Creation Mon Nov 12 12:17:50 2018
Charted by Depth in Feet scaled 1:600

0 GR (GAPI) 150

1000 CILD (mmho/m) 0

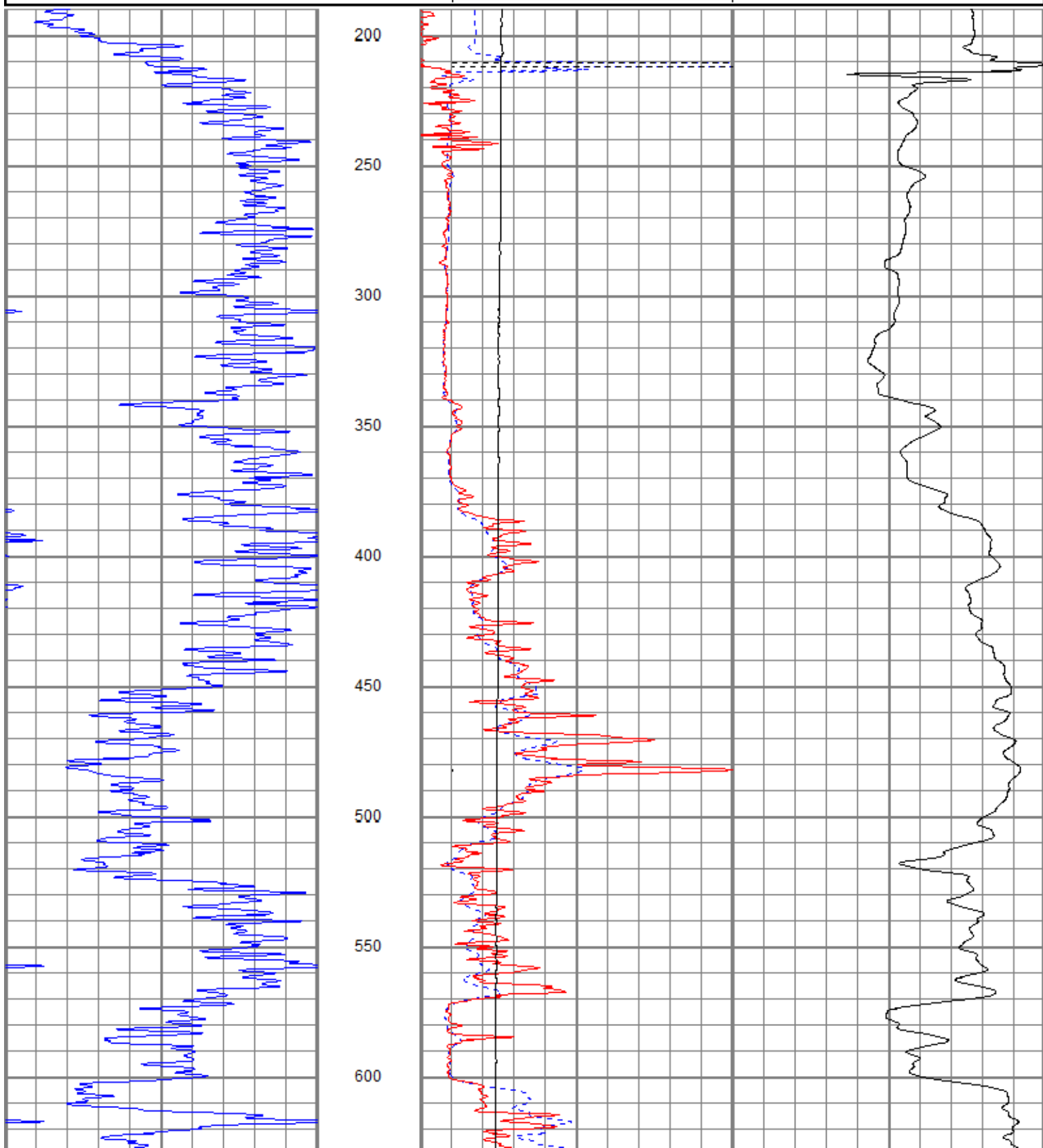
10000 LTEN (lb) 0

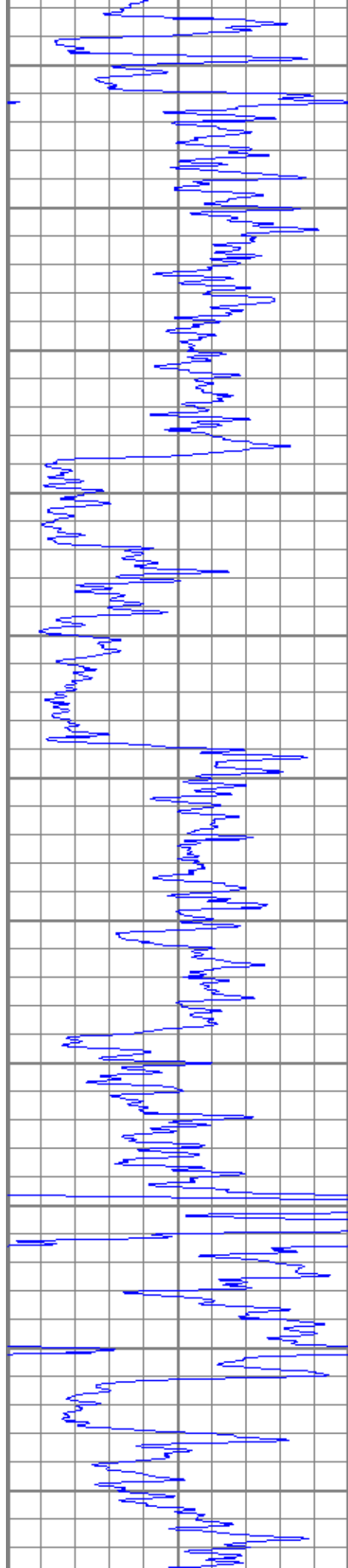
0 RILD (Ohm-m) 50

0 RLL3 (Ohm-m) 50

50 RILD x 10 (Ohm-m) 500

50 RLL3 x 10 (Ohm-m) 500





650

700

750

800

850

900

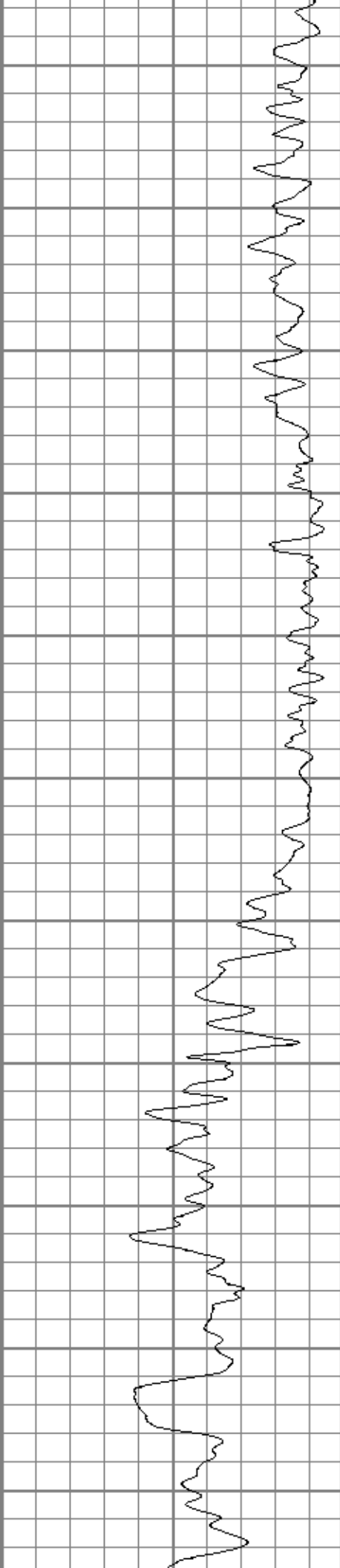
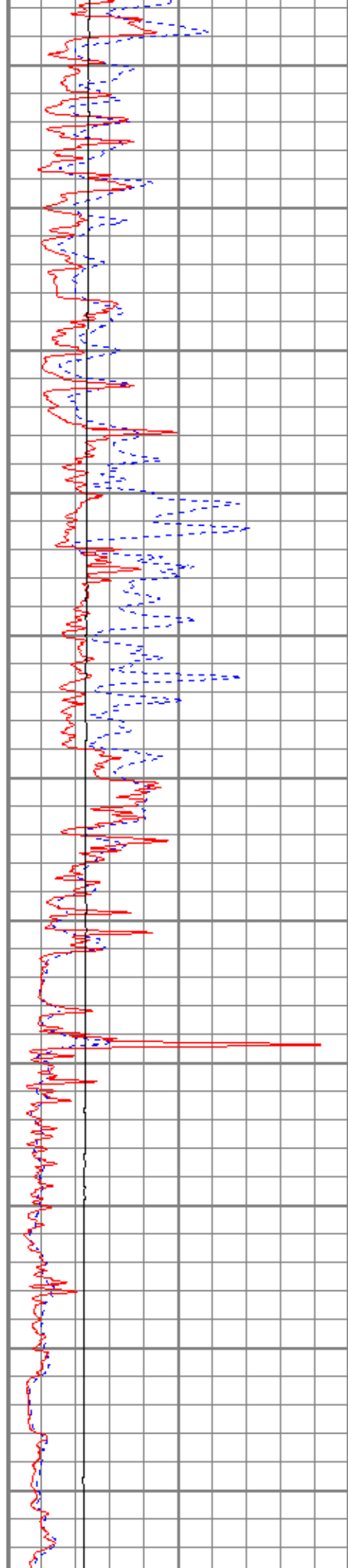
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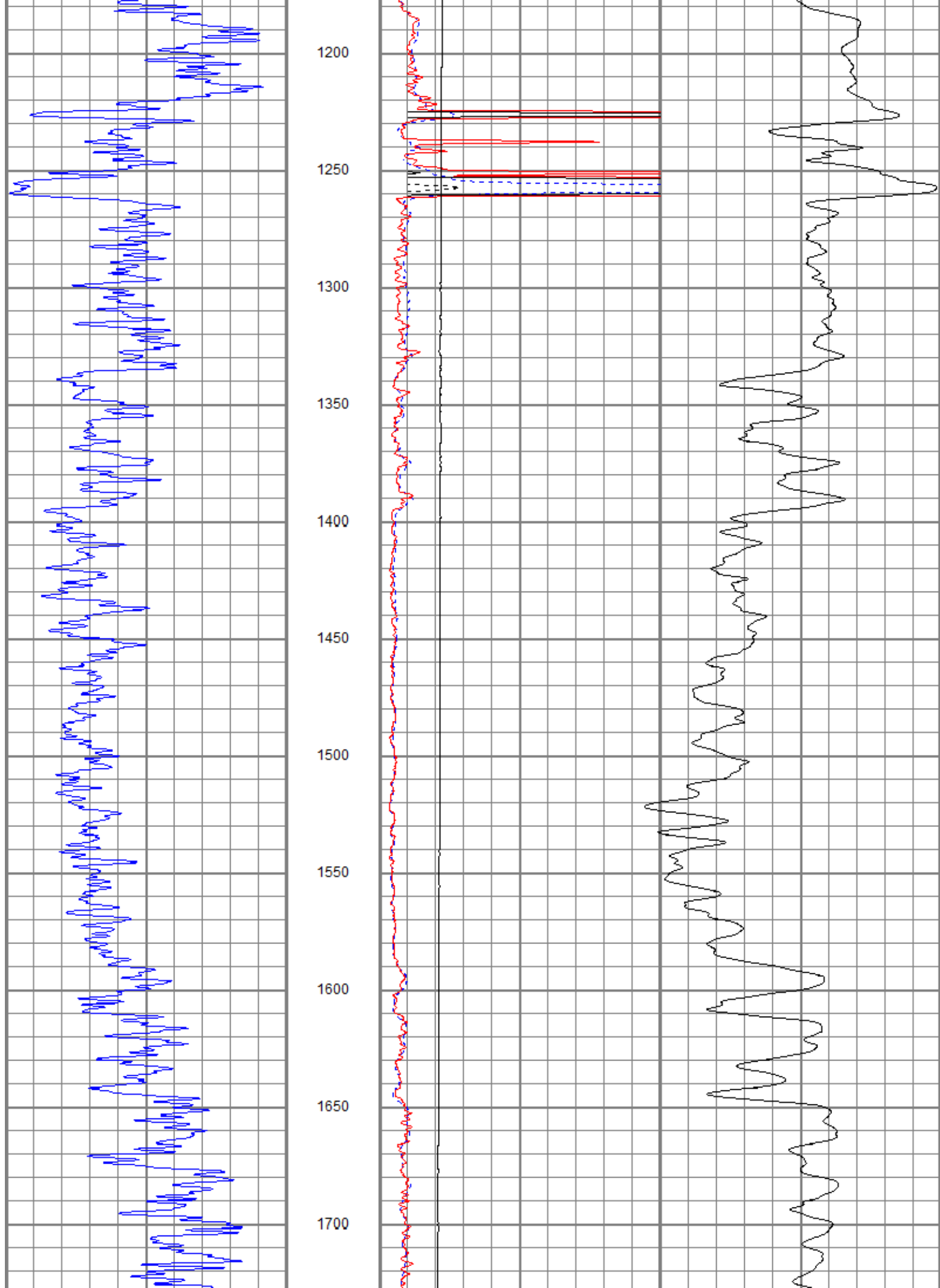
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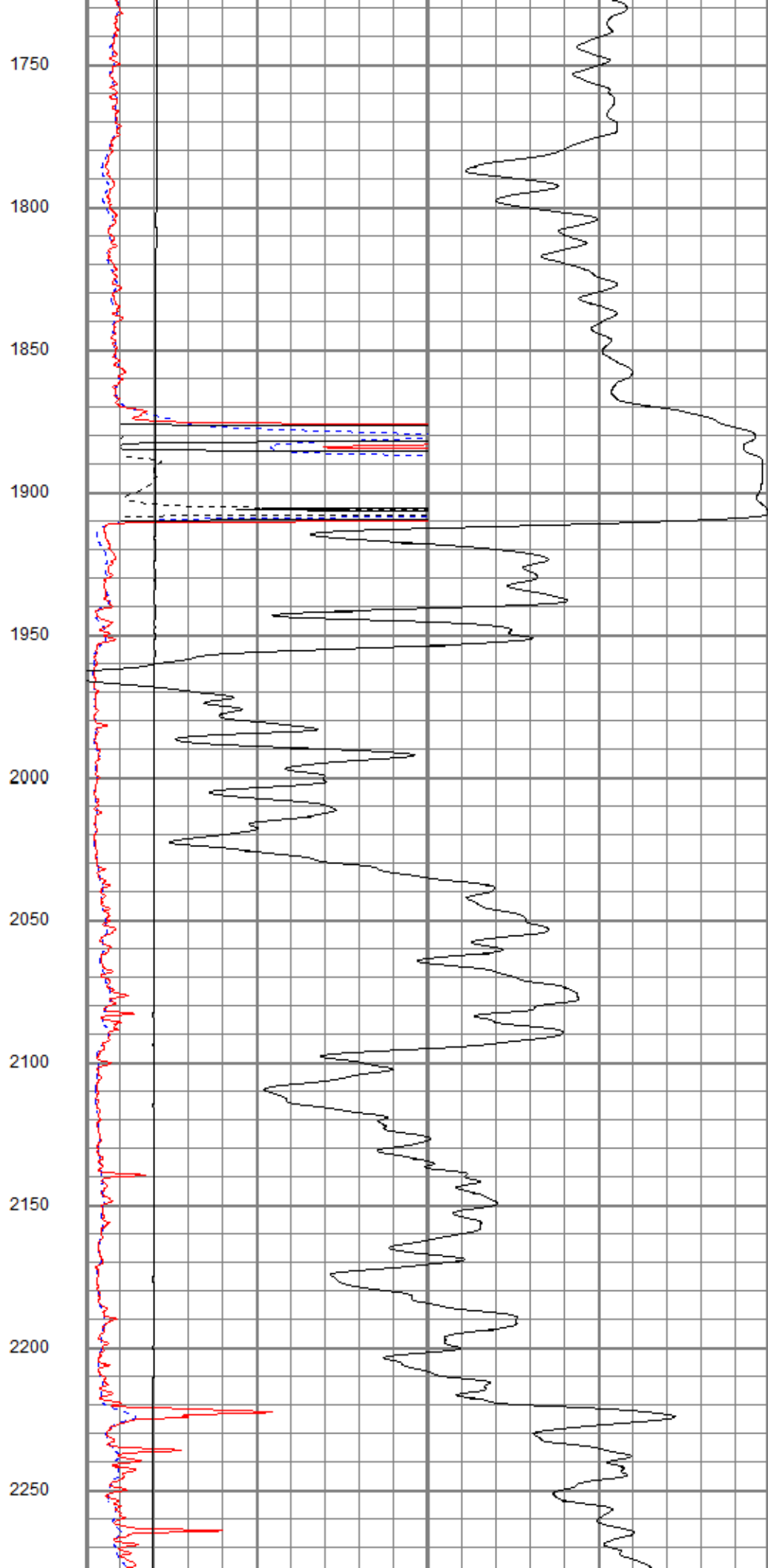
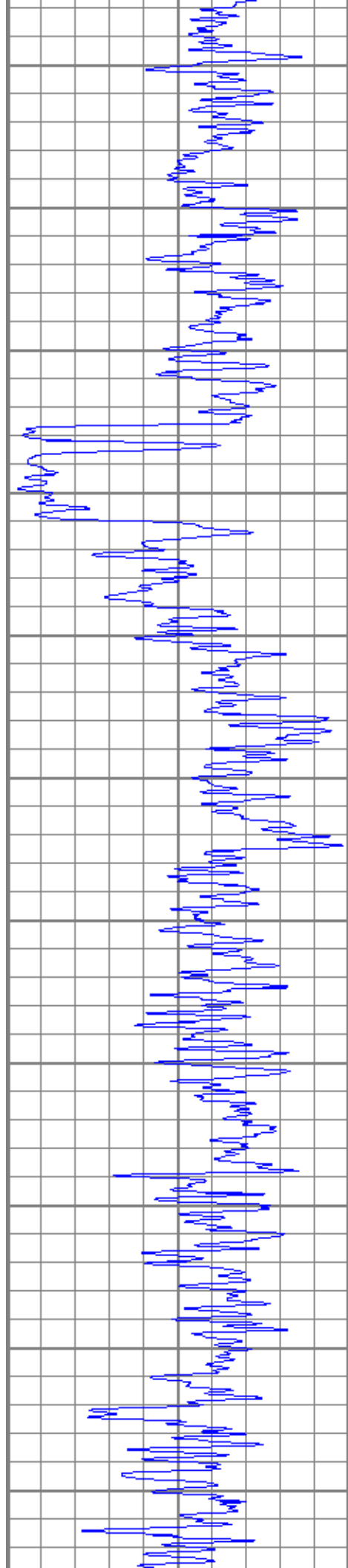
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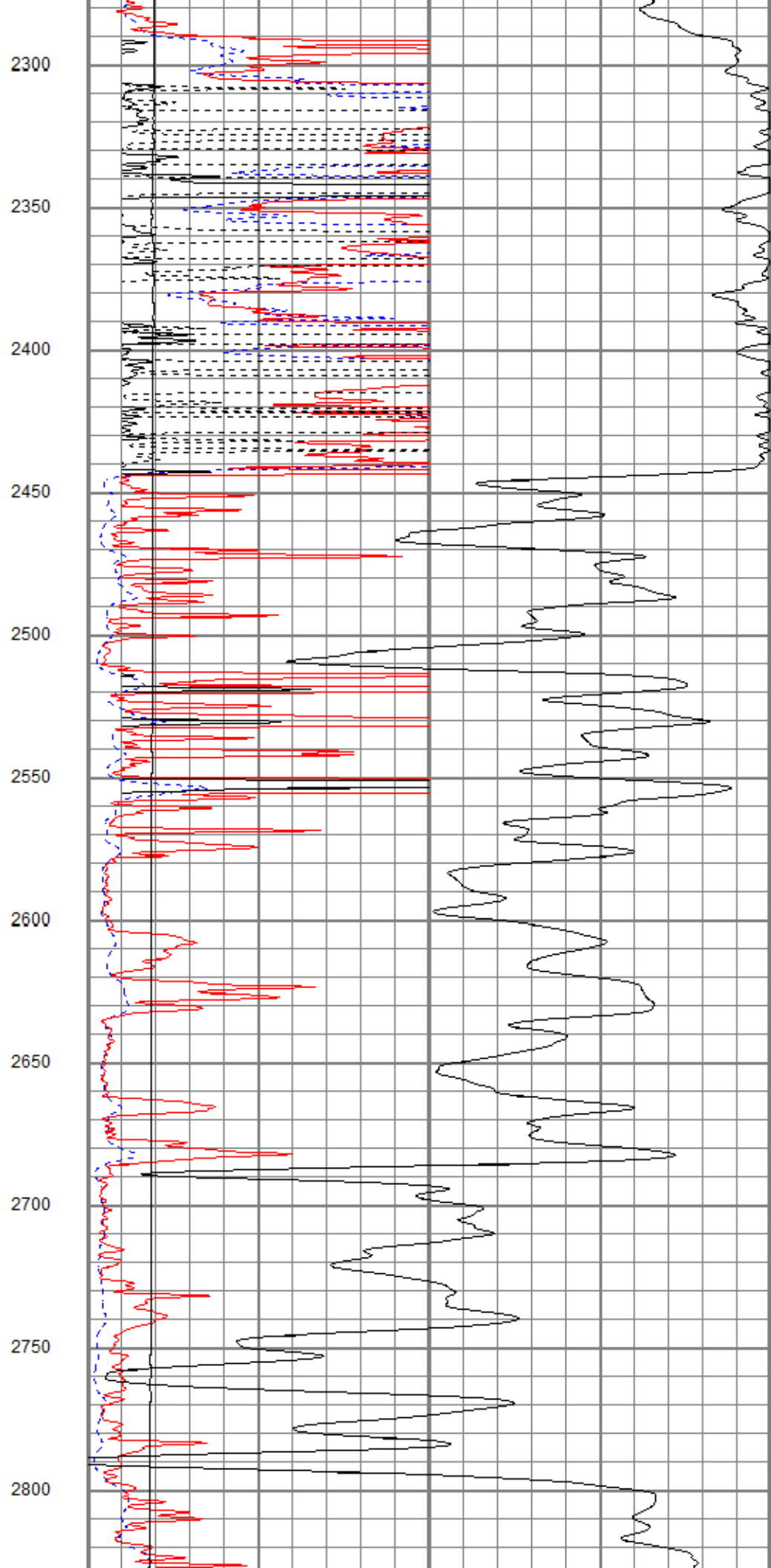
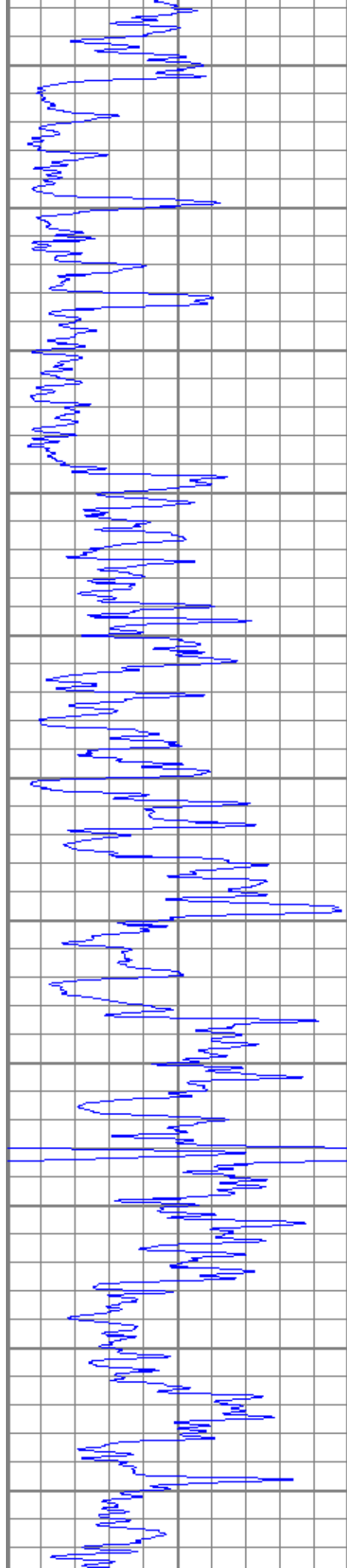
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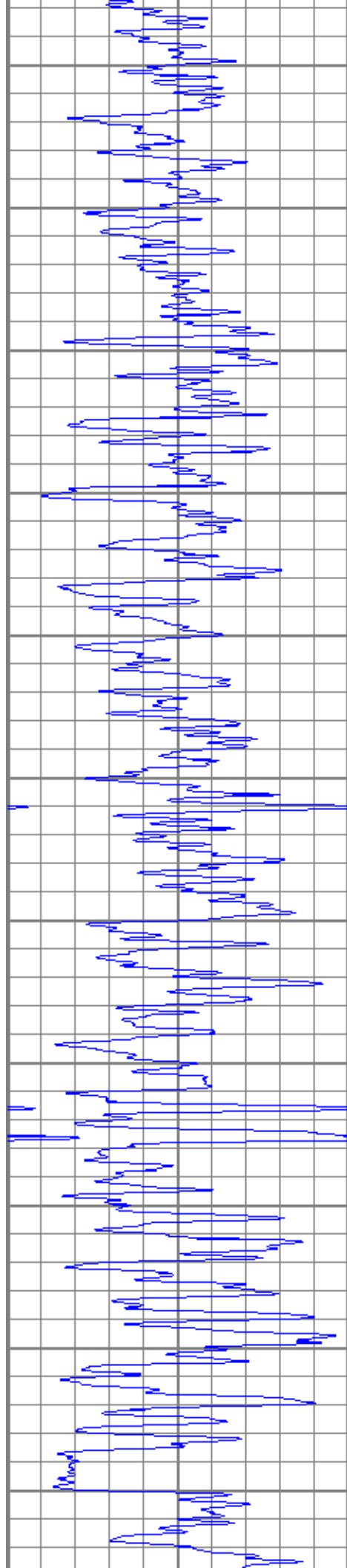
1150











2850

2900

2950

3000

3050

3100

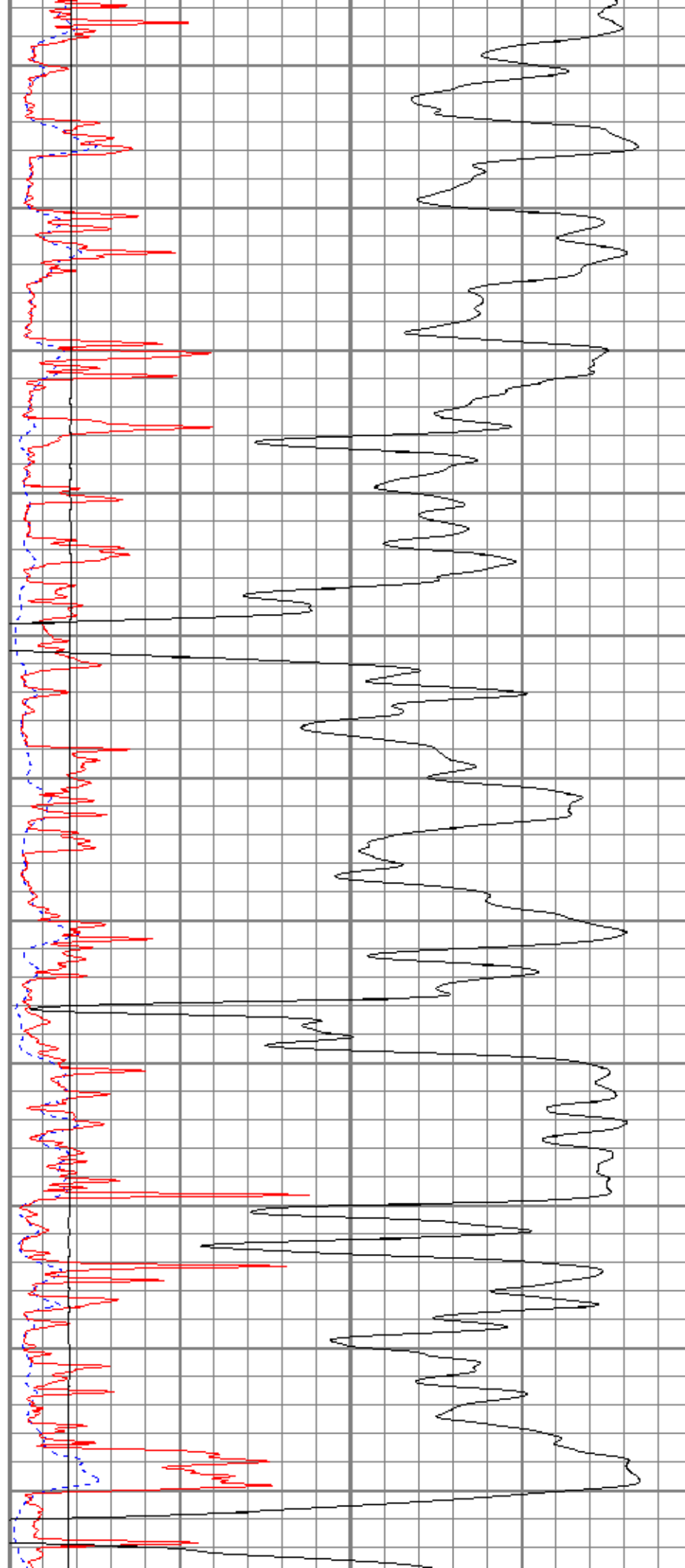
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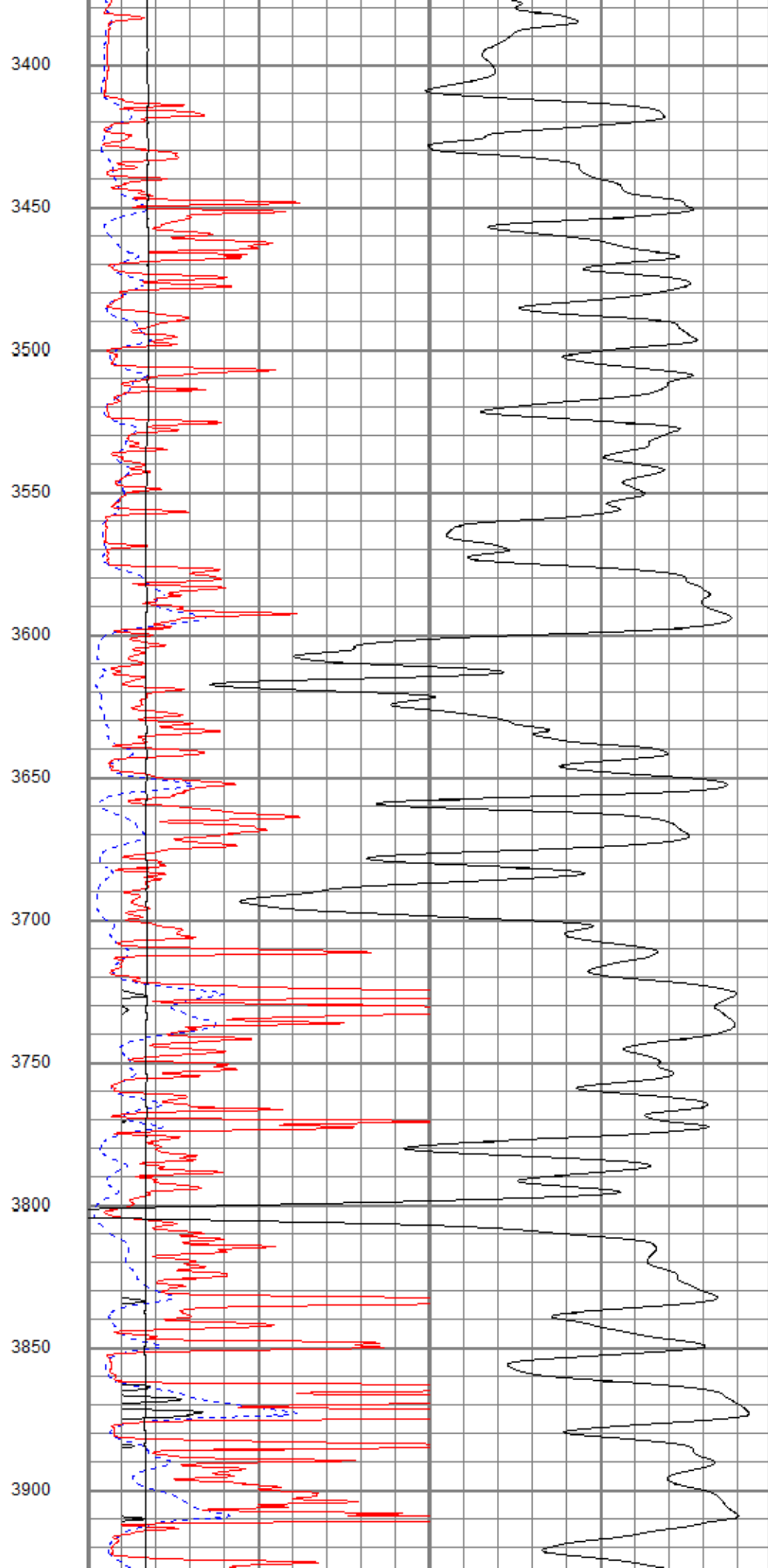
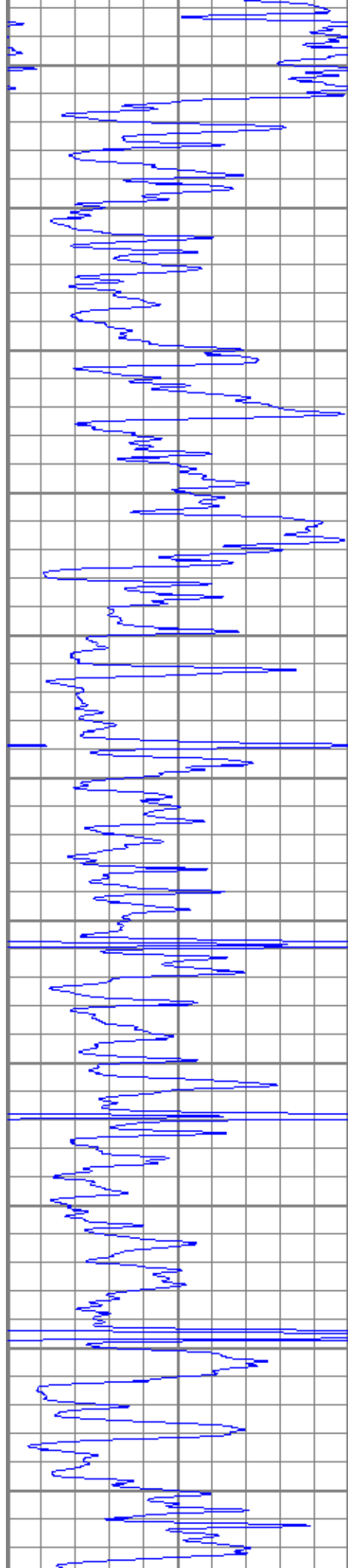
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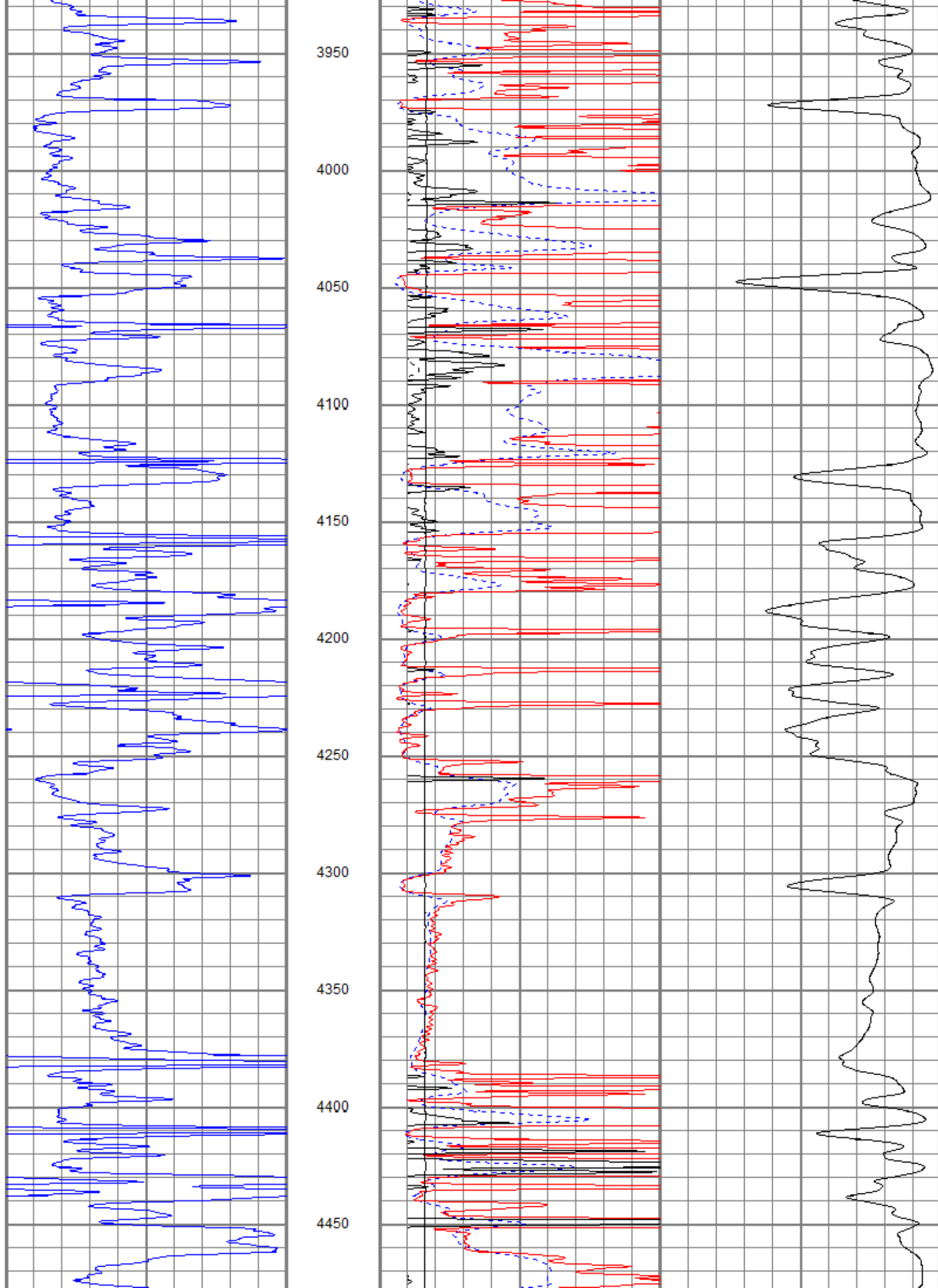
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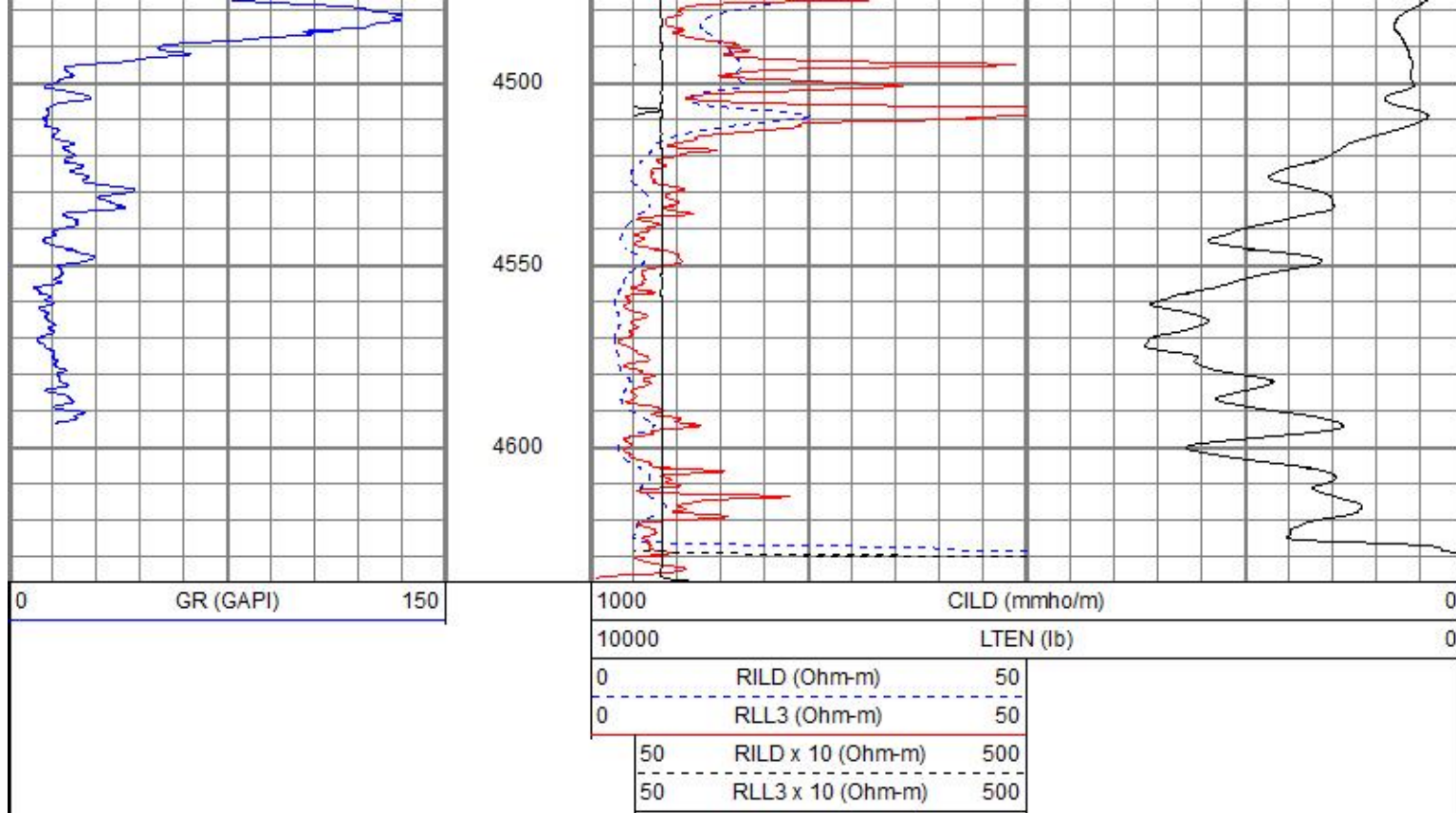
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3350







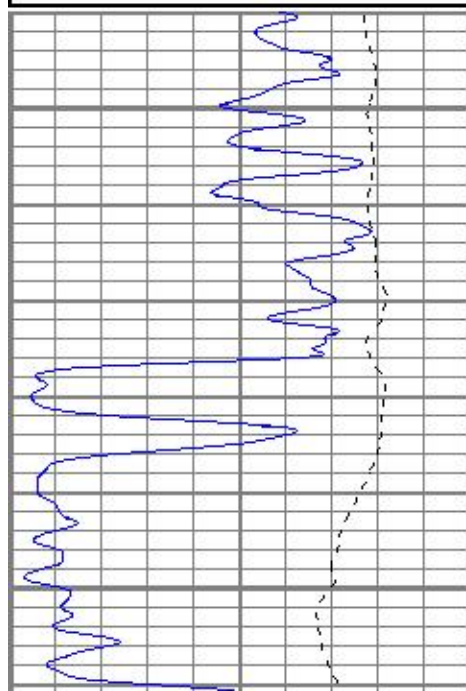


MAIN PASS

Database File ppcindaflax#3.db
 Dataset Pathname pass3.1
 Presentation Format kdil
 Dataset Creation Mon Nov 12 12:17:50 2018
 Charted by Depth in Feet scaled 1:240

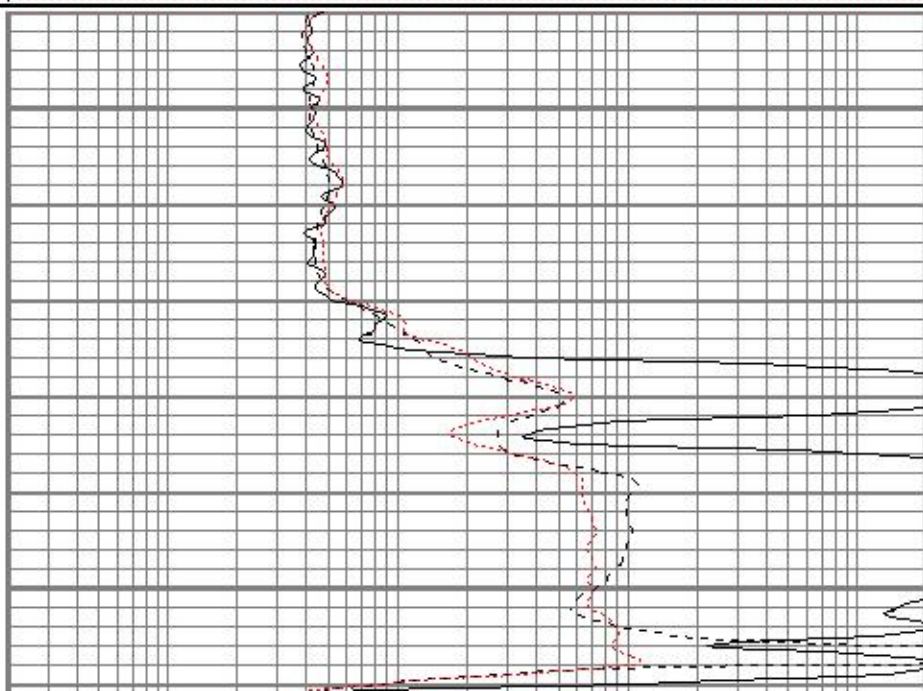
0	GR (GAPI)	150
-100	SP (mV)	100

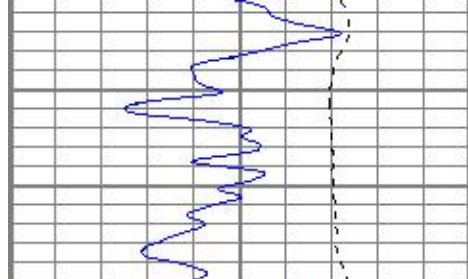
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



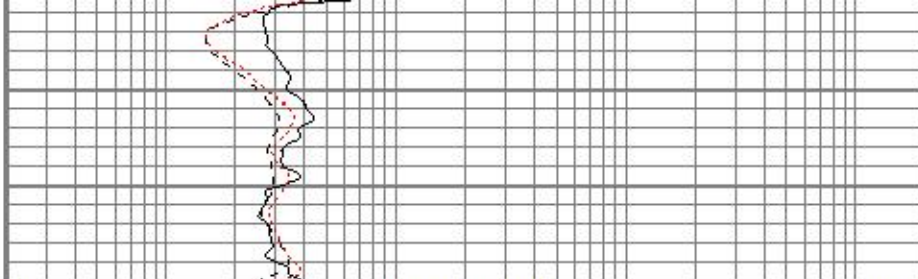
1850

1900





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

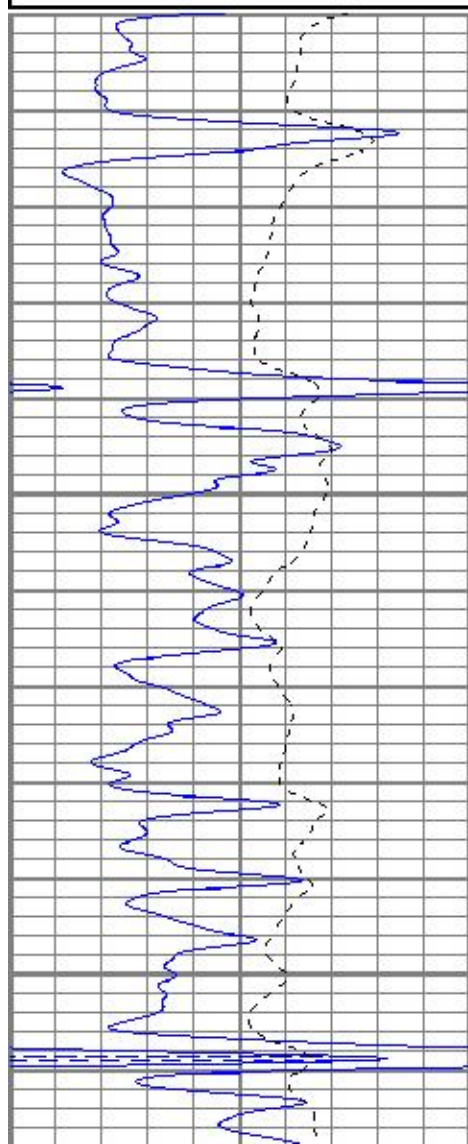


MAIN PASS

Database File ppcindaflax#3.db
 Dataset Pathname pass3.1
 Presentation Format kdil
 Dataset Creation Mon Nov 12 12:17:50 2018
 Charted by Depth in Feet scaled 1:240

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

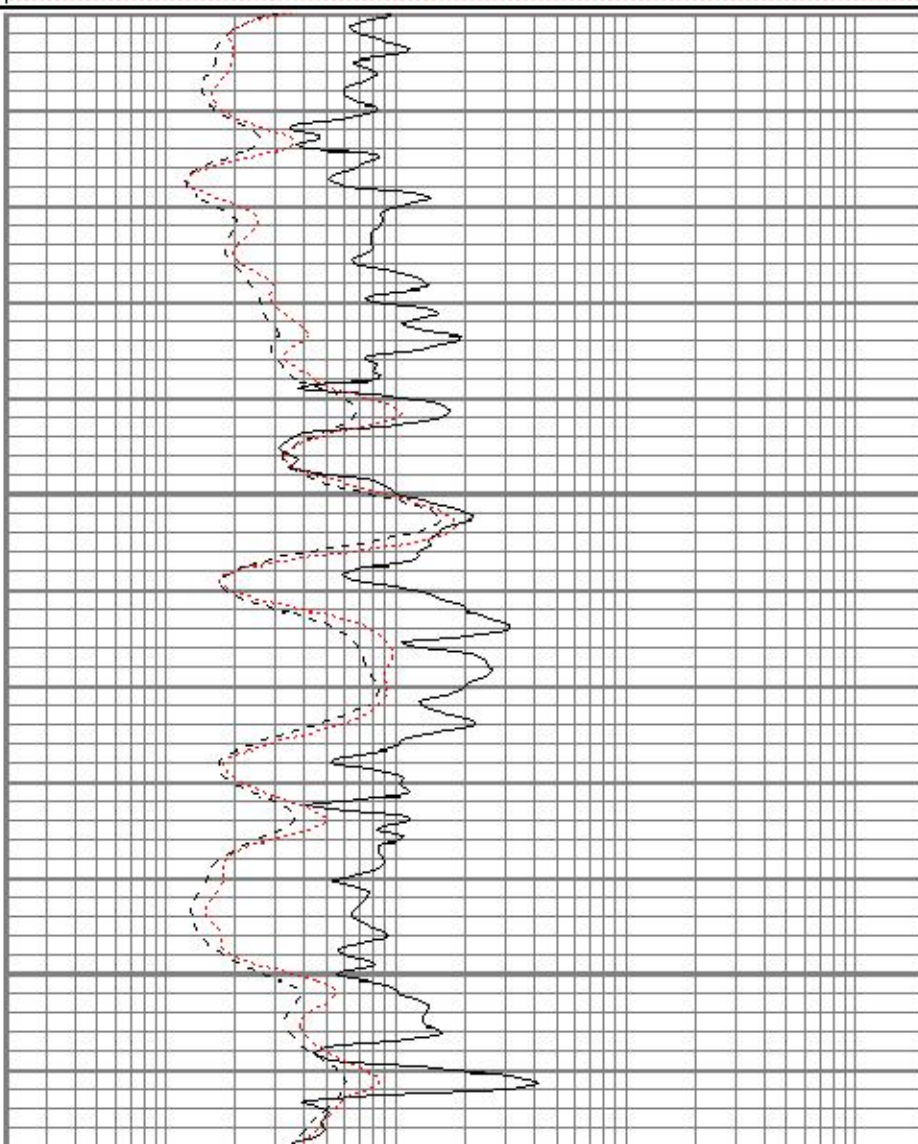
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

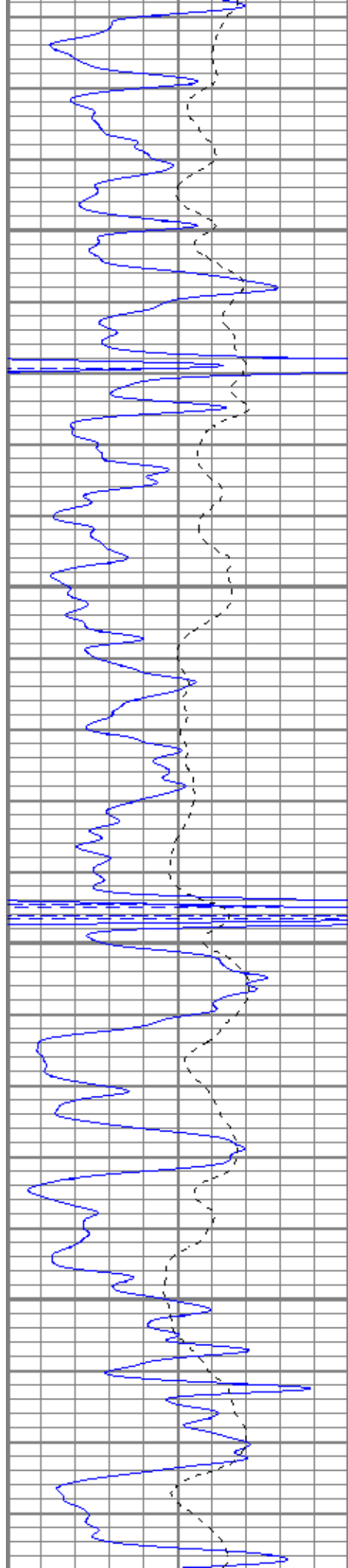


3500

3650

3700



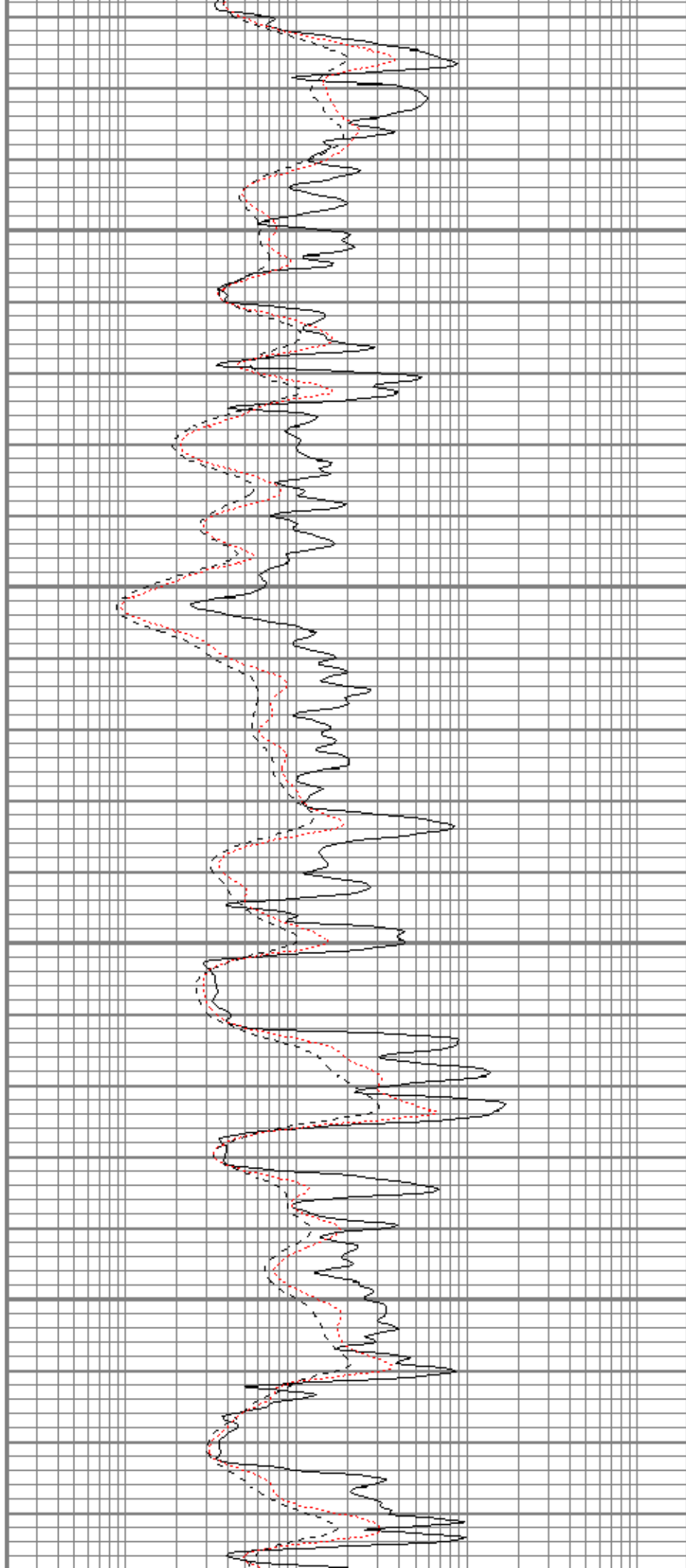


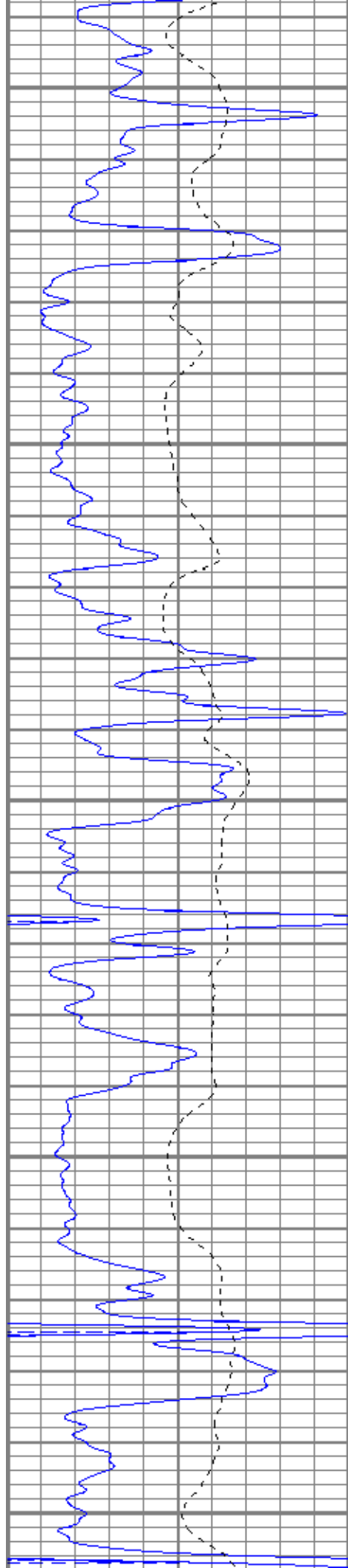
3750

3800

3850

3900





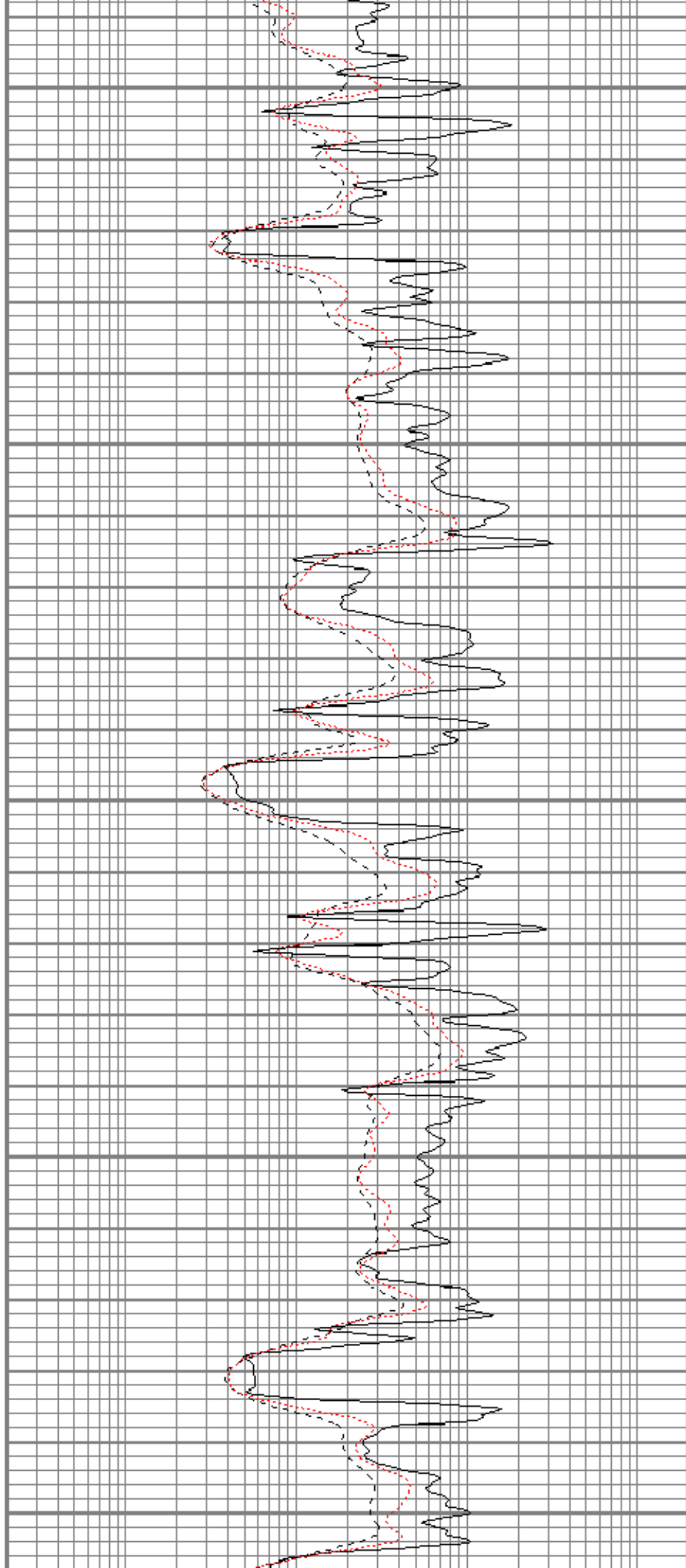
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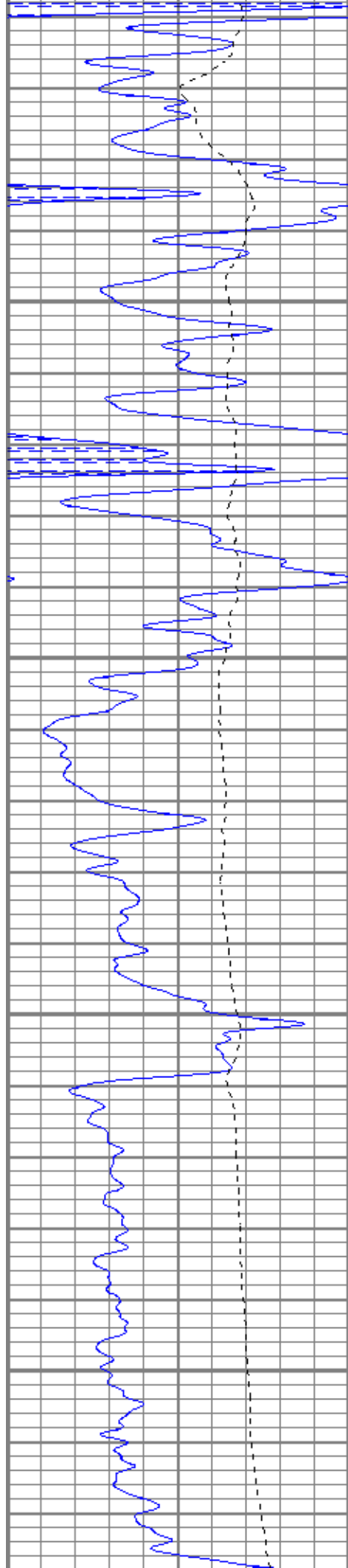
4000

4050

4100

4150



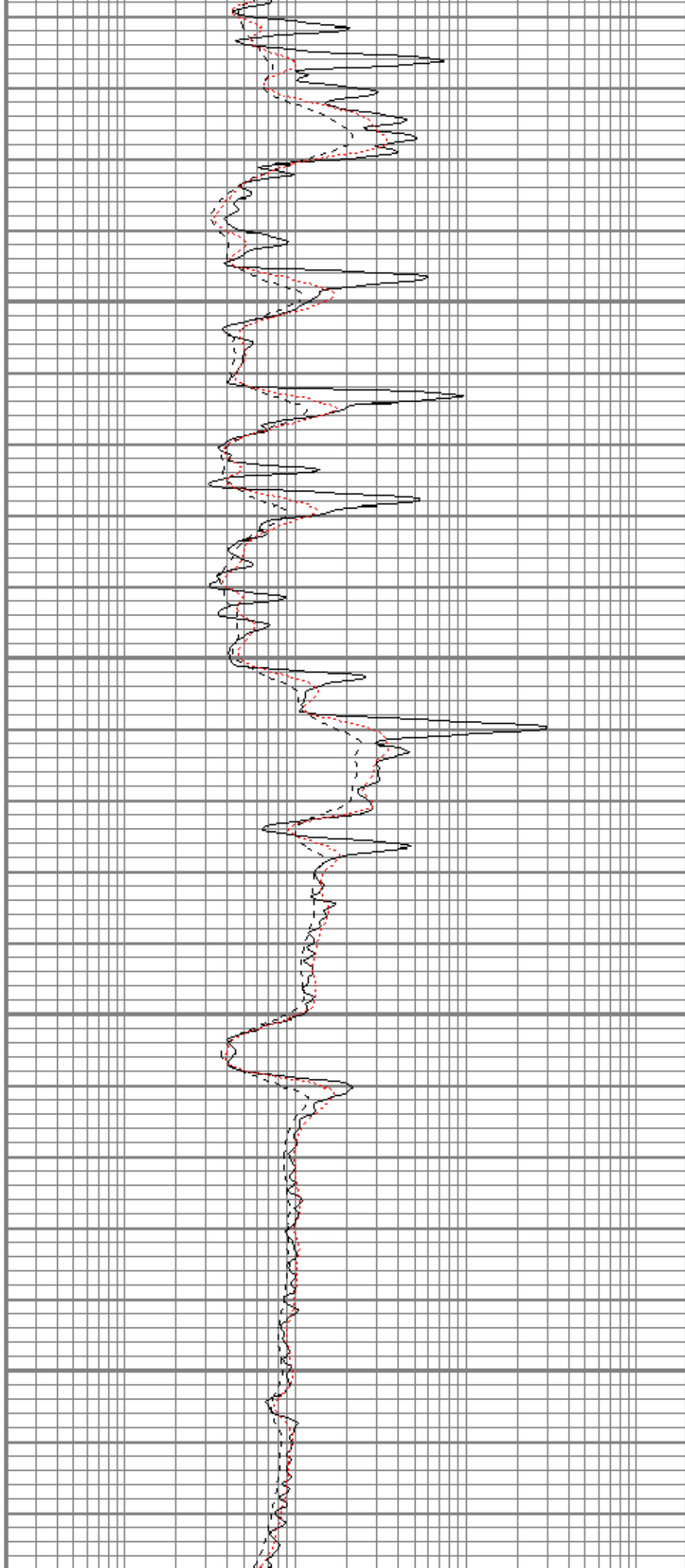


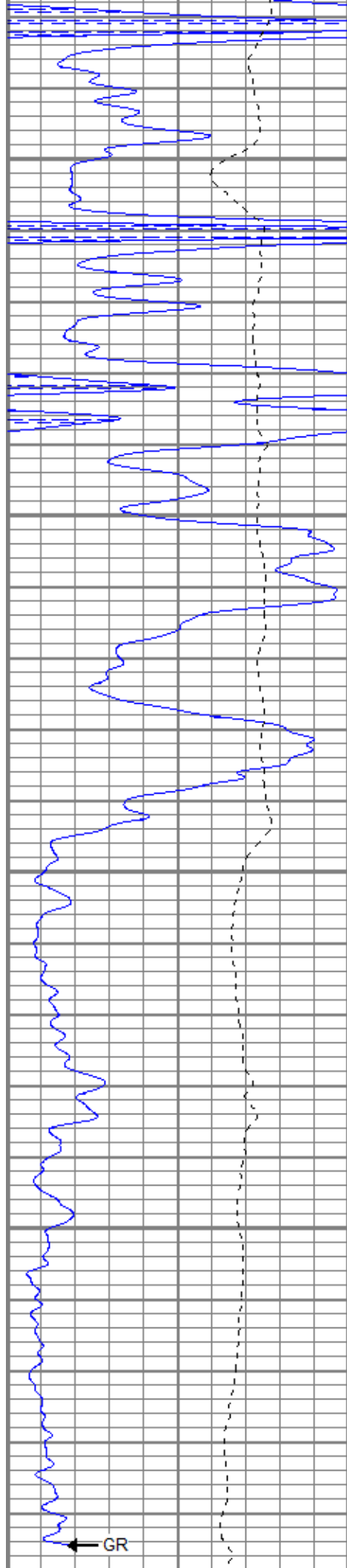
4200

4250

4300

4350



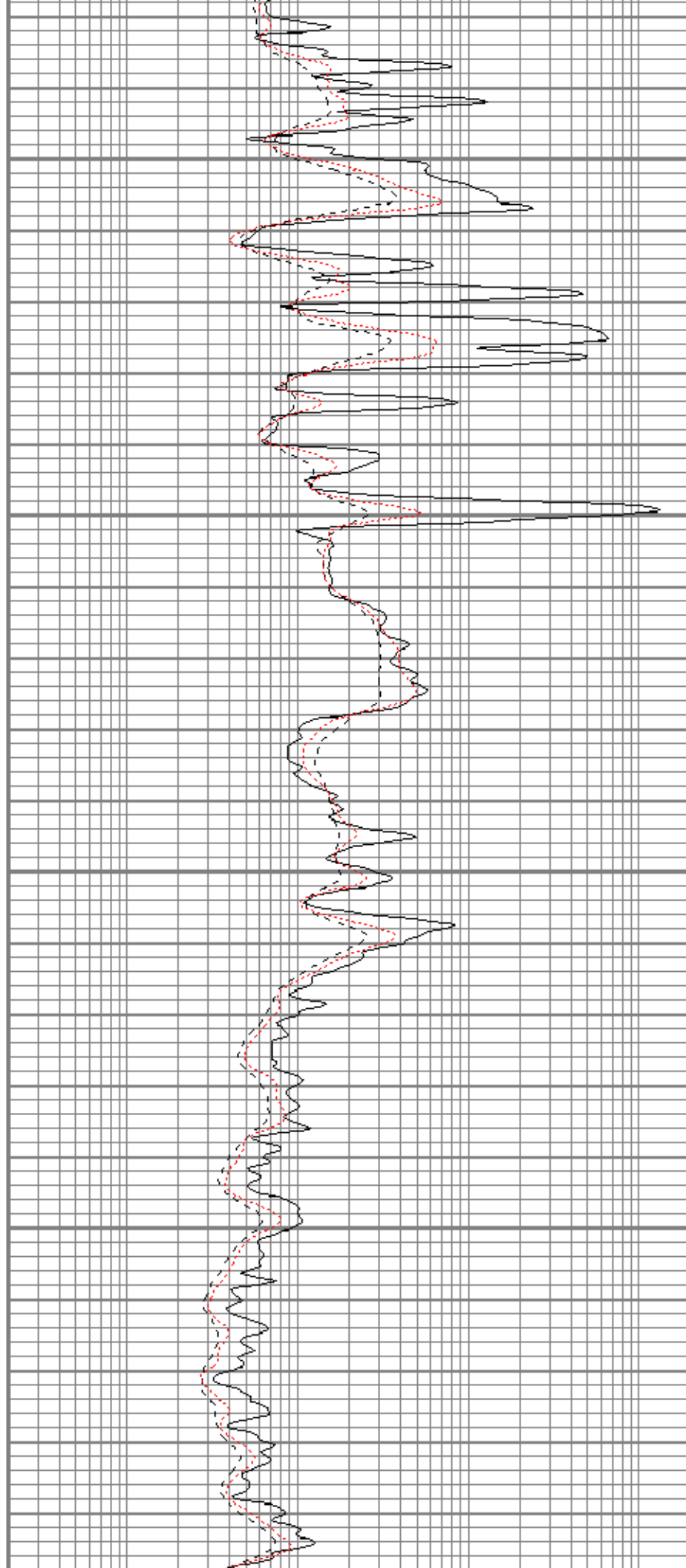


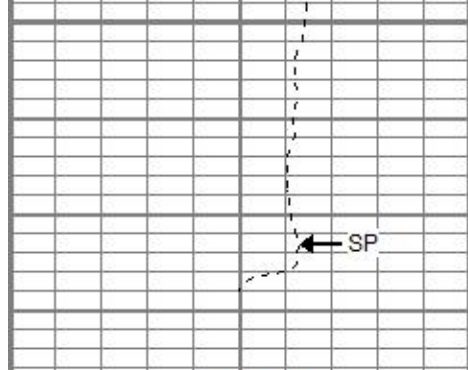
4400

4450

4500

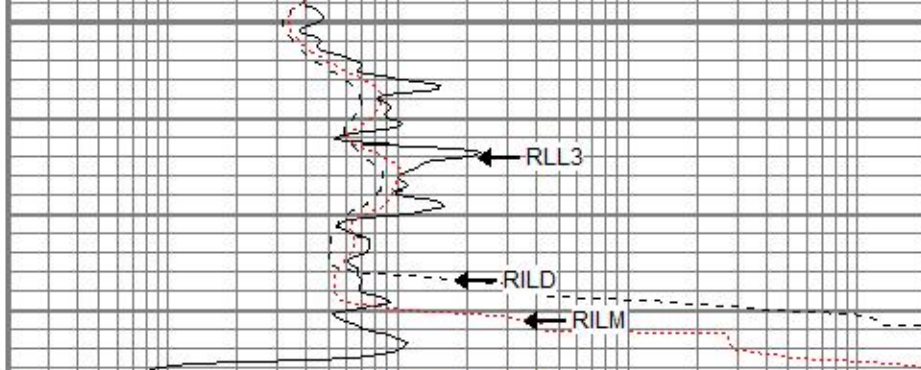
4550





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

4600



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

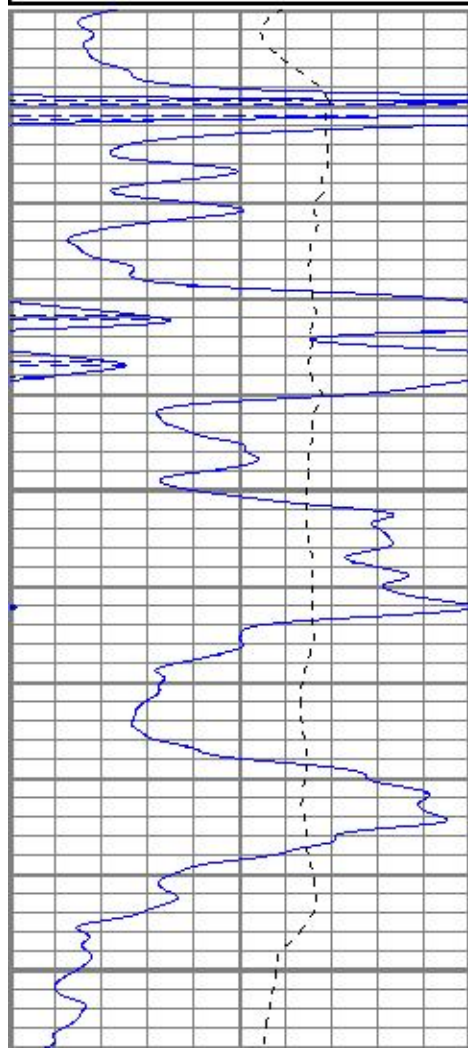


REPEAT SECTION

Database File ppcindaflax#3.db
 Dataset Pathname pass2.1
 Presentation Format kdil
 Dataset Creation Mon Nov 12 11:54:47 2018
 Charted by Depth in Feet scaled 1:240

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

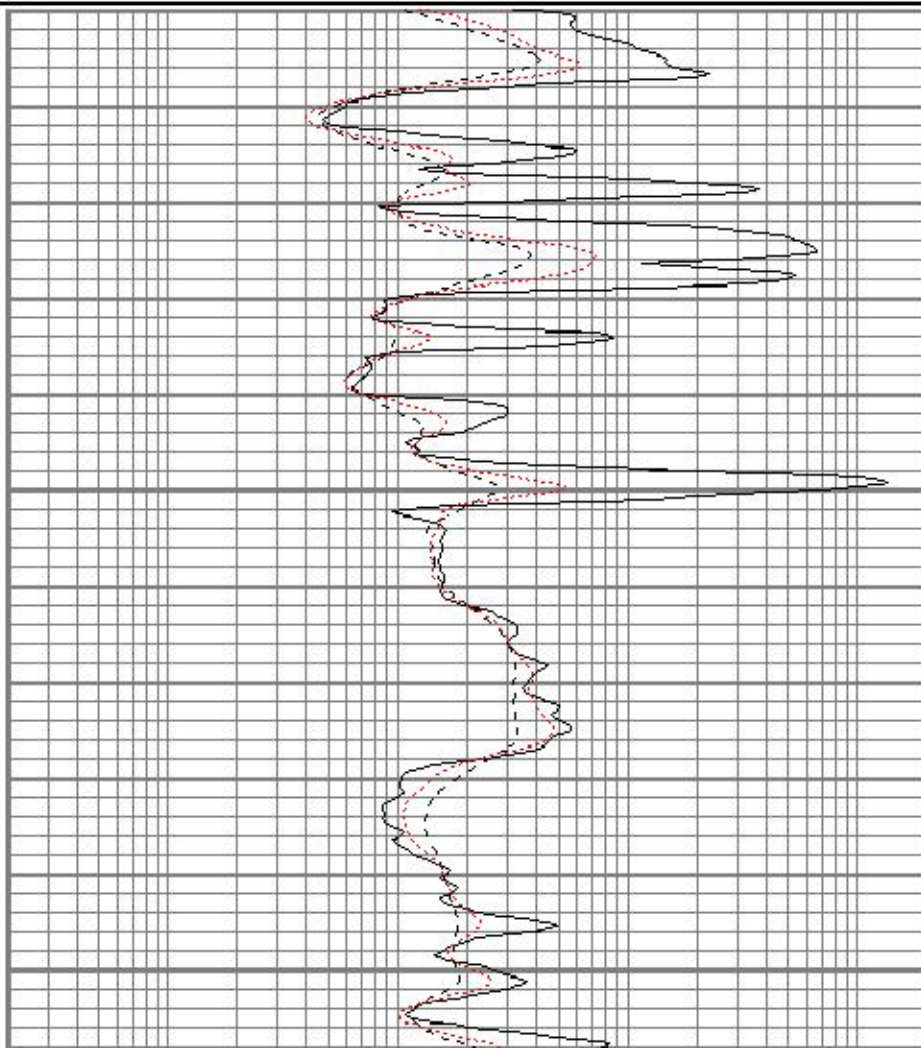
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

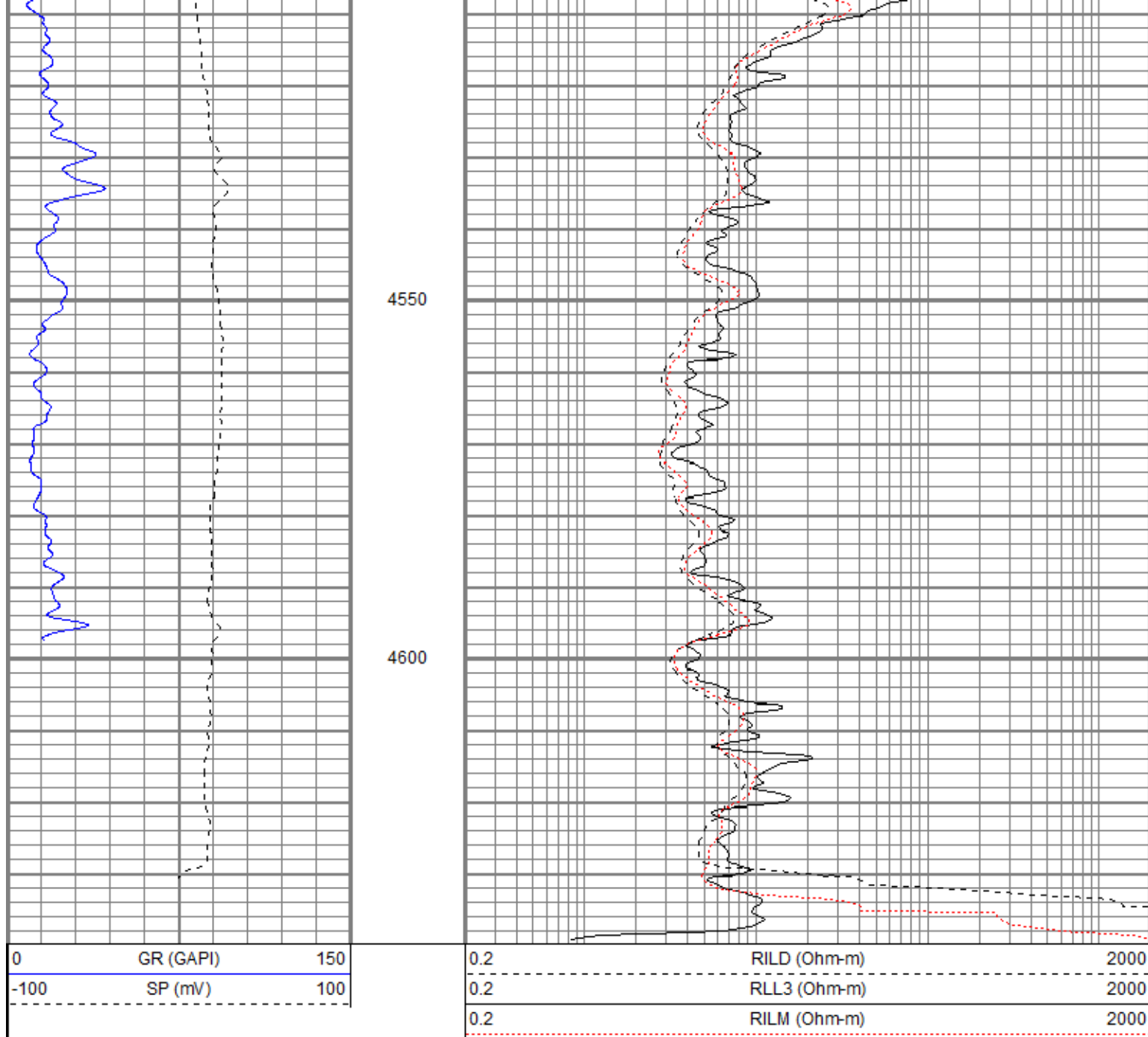


4400

4450

4500





Calibration Report								
Database File	ppcindaflax#3.db							
Dataset Pathname	pass3.1							
Dataset Creation	Mon Nov 12 12:17:50 2018							
Dual Induction Calibration Report								
Serial-Model:			5375-G					
Surface Cal Performed:			Sat Oct 10 08:33:18 2015					
Downhole Cal Performed:			Sat Oct 10 08:33:23 2015					
After Survey Verification Performed:			Sat Oct 10 08:33:27 2015					
Surface Calibration								
Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	551.294	-3.816
Medium	0.010	0.728	V	0.000	400.000	mmho/m	556.531	-5.391
Internal:	Zero	Cal		Zero	Cal		m	b

Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354
Downhole Calibration								
Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.145	350.239	mmho/m	-0.044	350.323	mmho/m	1.001	-0.189
Medium	0.435	400.472	mmho/m	-0.037	400.340	mmho/m	1.001	-0.473
Shallow	2.440	0.018	V	500.000	2.000	Ohm-m	205.553	0.825
After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.145	350.239	mmho/m	1.001	-0.189
Medium	0.000	0.000	mmho/m	0.435	400.472	mmho/m	1.001	-0.473
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

Temperature Calibration Report

Serial Number: WithOutMC
Tool Model: WOMC
Performed: (Not Performed)

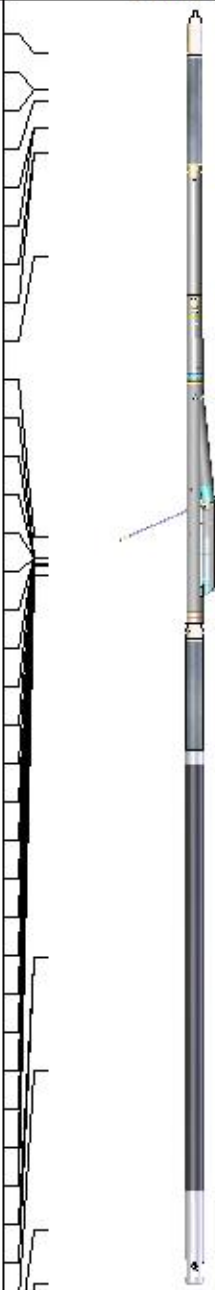
Inclinometer Calibration Report

Performed: Thu Oct 25 16:29:34 2018

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)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.07		CHD-STD	0.50	1.69	1.00
ACCY	38.91		ADT-WOMC (WithOutMC) Telemetry Without Mud Cell	4.58	3.50	120.00
ACCX	38.91					
SSTAT	38.49		NEU-lithogearhart (2017)	5.65	3.50	85.00
PSTAT	37.66					
ASTAT	37.66					
GRD	36.82					
TEMP	36.82		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
NEU	33.46					
LStat	24.30					
LS8	23.64					
LS7	23.64					
LS6	23.64					
LS5	23.64					
LS4	23.64					
LS3	23.64					
LS2	23.64					
LS1	23.64		DIL-G (5375) Gearhart	21.47	4.00	345.00
LSV	23.64					
LSD	23.62					
SSV	23.43					
SS8	23.43					
SS7	23.43					
SS6	23.43					
SS5	23.43					
SS4	23.43					
SS3	23.43					
SS2	23.43		RLL3	1.70		
SS1	23.43					
DCAL	23.37					
SSD	23.04					
SP	10.60					
CILD	10.60					
CILM	6.89					
TR_Mon	0.00	Dataset: ppcindaflax#3.db: field/well/run1/pass3.1 Total length: 41.49 ft Total weight: 791.00 lb O.D.: 4.00 in				