



DUAL INDUCTION LOG

Company MG OIL, INC.
 Well LAWRENCE #15-3
 Field N&J EAST
 County LANE
 State KS

Company MG OIL, INC.
 Well LAWRENCE #15-3
 Field N&J EAST
 County LANE State KS

Location: 1250' FSL & 2142' FEL
 API #: 15 101 22667
 Permanent Datum SEC 15 TWP 16S RGE 28W
 Log Measured From Ground Level Elevation 2623
 Drilling Measured From KB 9' AGL
 KB
 Other Services
 CDNL
 ML/SO
 Elevation
 K.B. 2632
 D.F. 2630
 G.L. 2623

Date	2/26/22
Run Number	One
Depth Driller	4525
Depth Logger	4525
Bottom Logged Interval	4523
Top Log Interval	00
Casing Driller	8 5/8" @ 251'
Casing Logger	251
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.1/57
pH / Fluid Loss	11.0/7.2
Source of Sample	Pit
Rm @ Meas. Temp	.8@60degf
Rmf @ Meas. Temp	.6@60degf
Rmc @ Meas. Temp	.96@60degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	.43@110degf
Time Circulation Stopped	7 A.M.
Time Logger on Bottom	9:30 AM
Maximum Recorded Temperature	110degf
Equipment Number	T605
Location	Hays, KS
Recorded By	GUS PFANENSTIEL
Witnessed By	CHAD COUNTS

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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

SHIELDS NORTH 4 MILES, EAST TO CURVE SOUTH INTO.

Thank You for using Gemini Wireline LLC
 785-625-1182



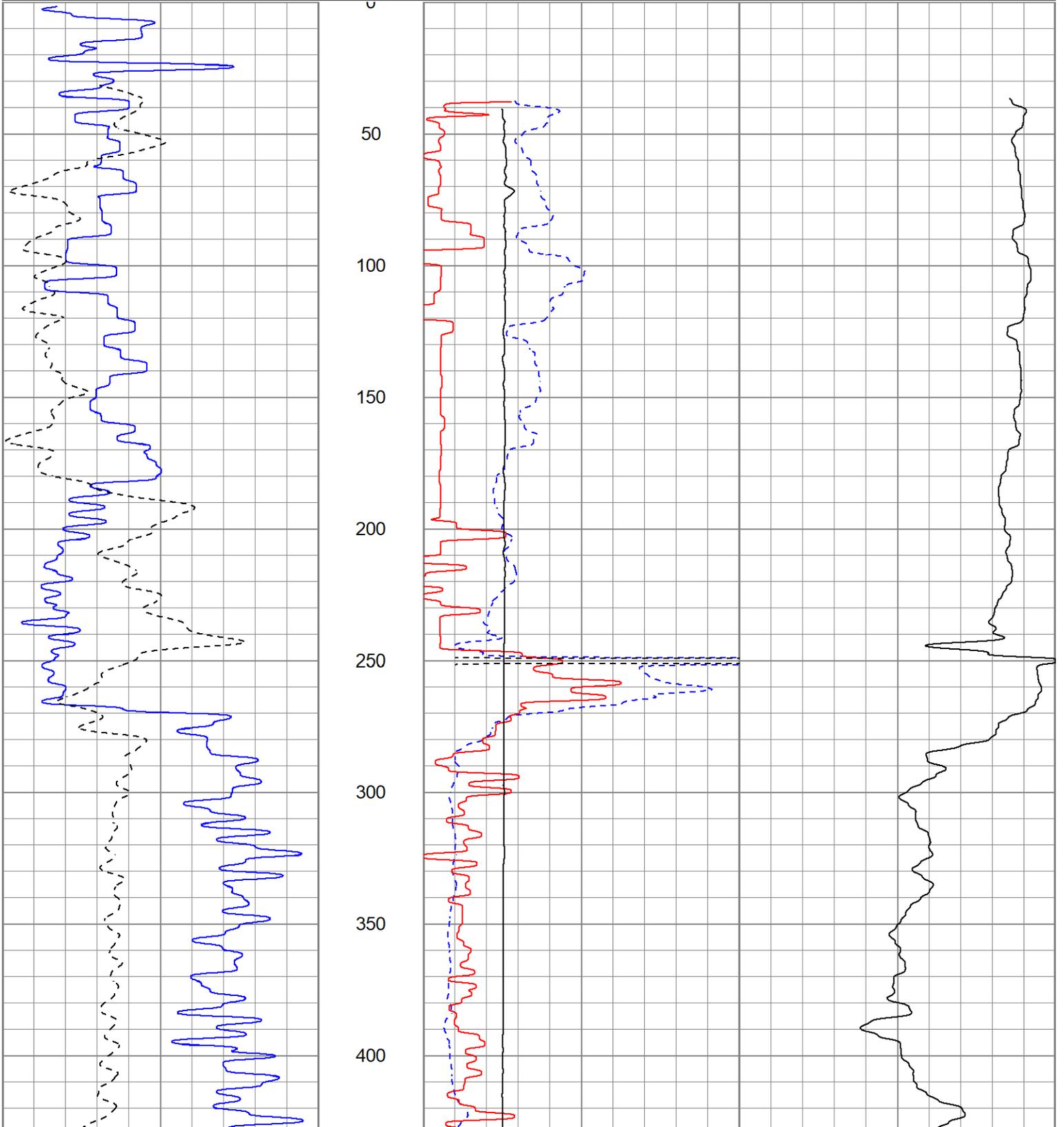
MAIN PASS

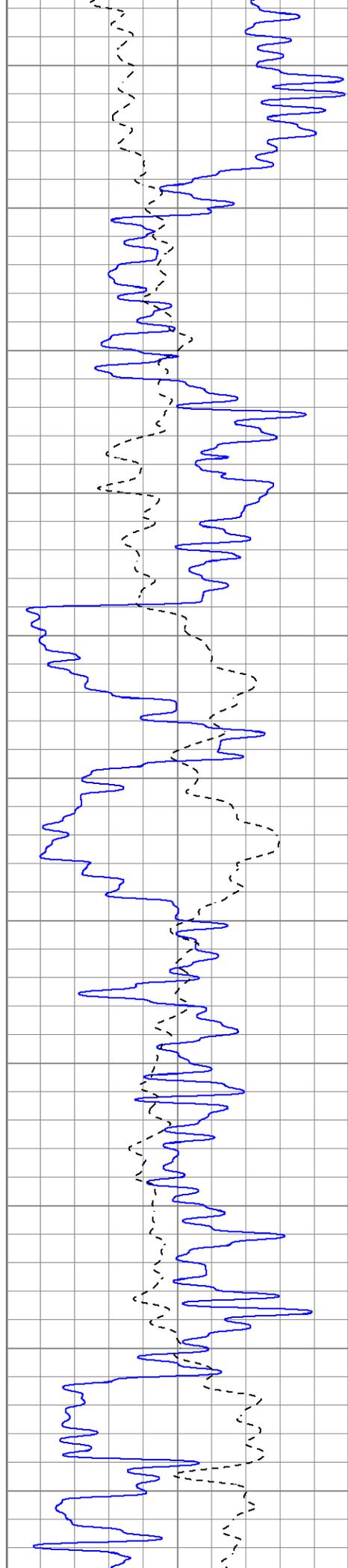
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 Dataset Pathname pass4.1
 Presentation Format kdillinn
 Dataset Creation Sat Feb 26 12:32:26 2022
 Charted by Depth in Feet scaled 1:600

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

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





450

500

550

600

650

700

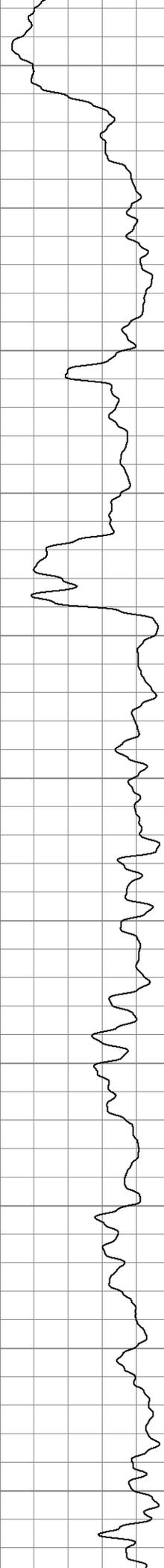
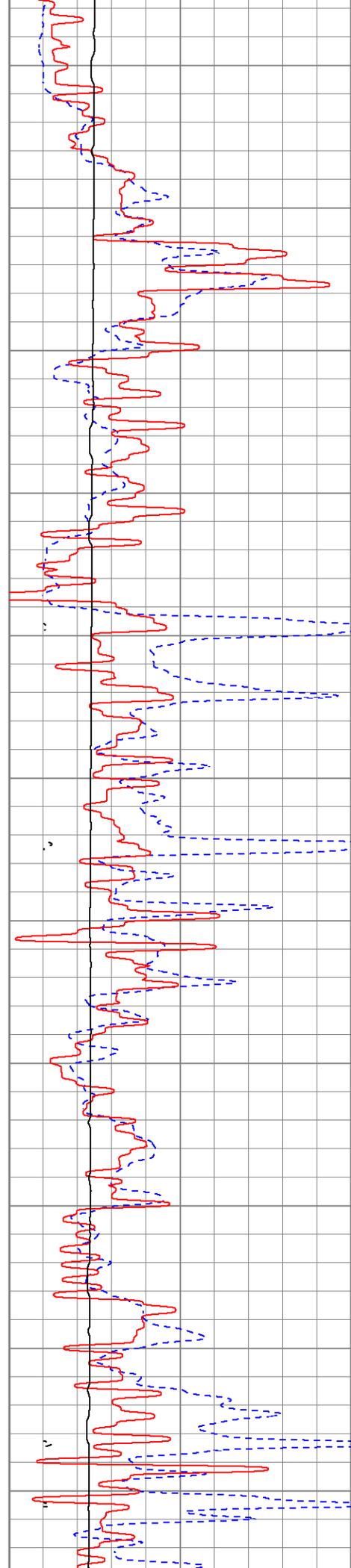
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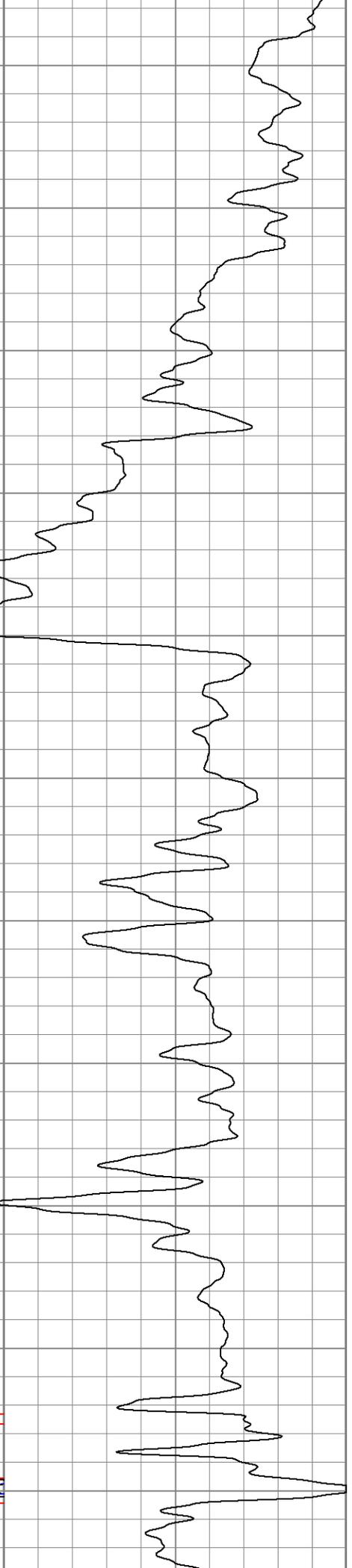
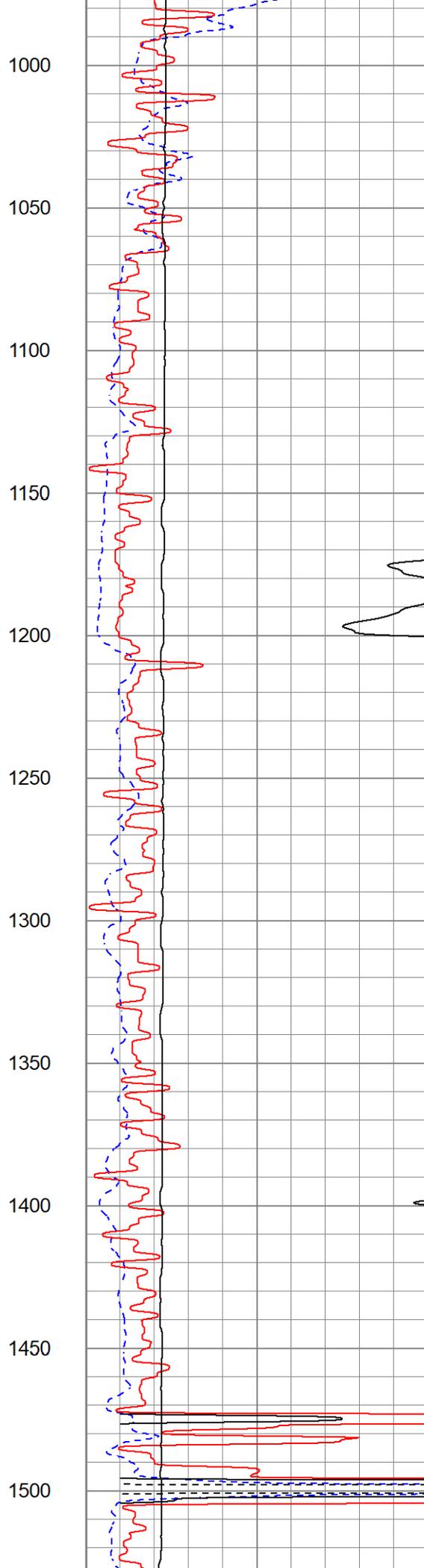
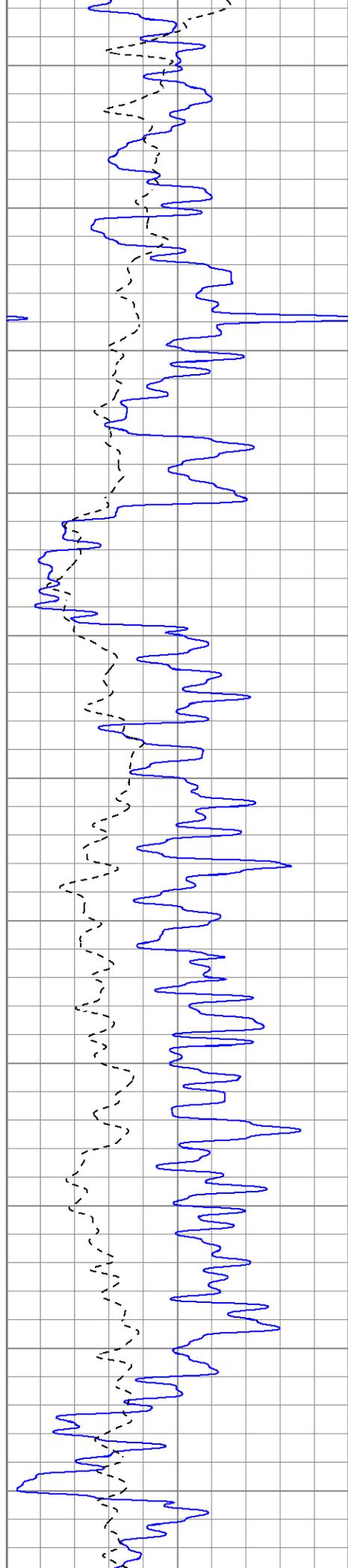
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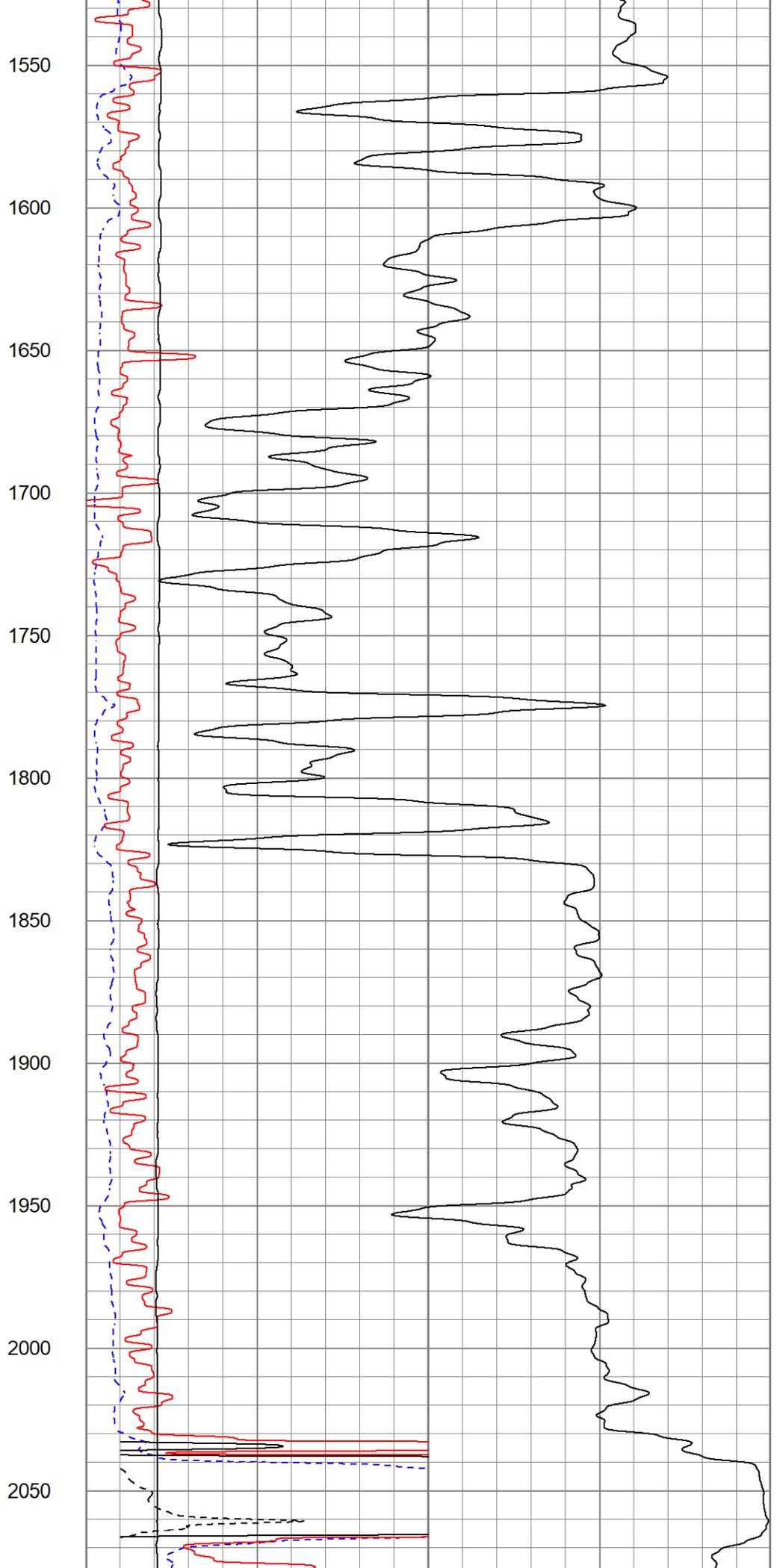
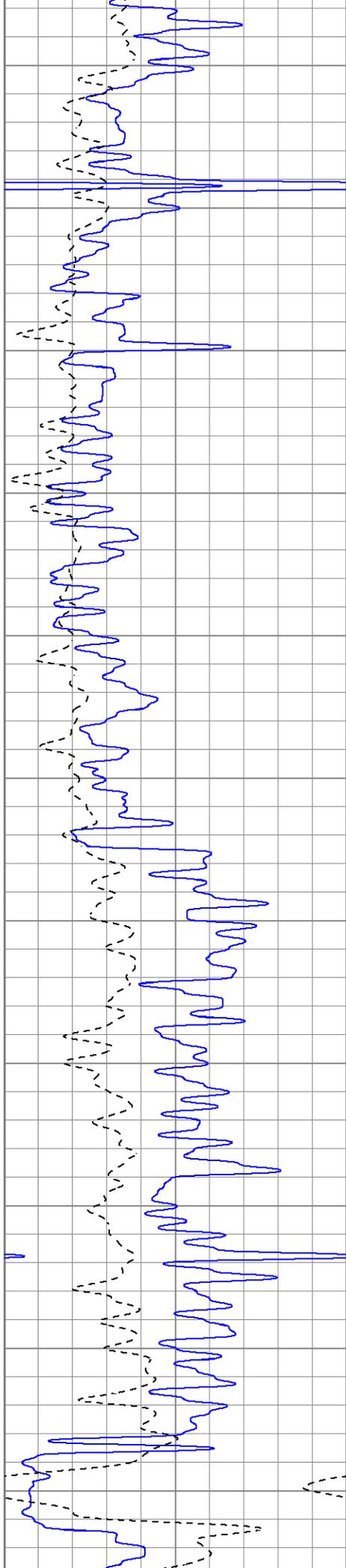
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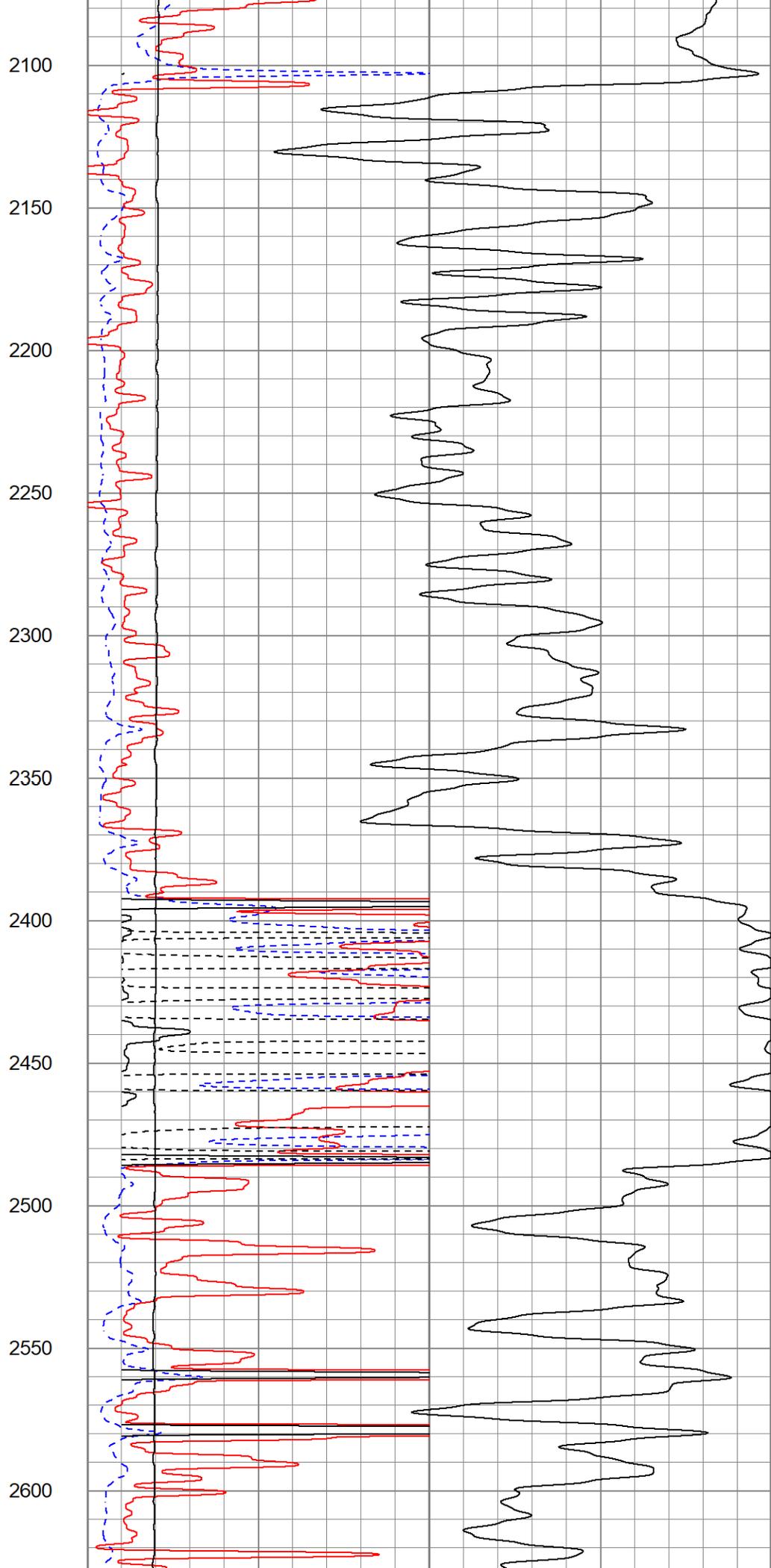
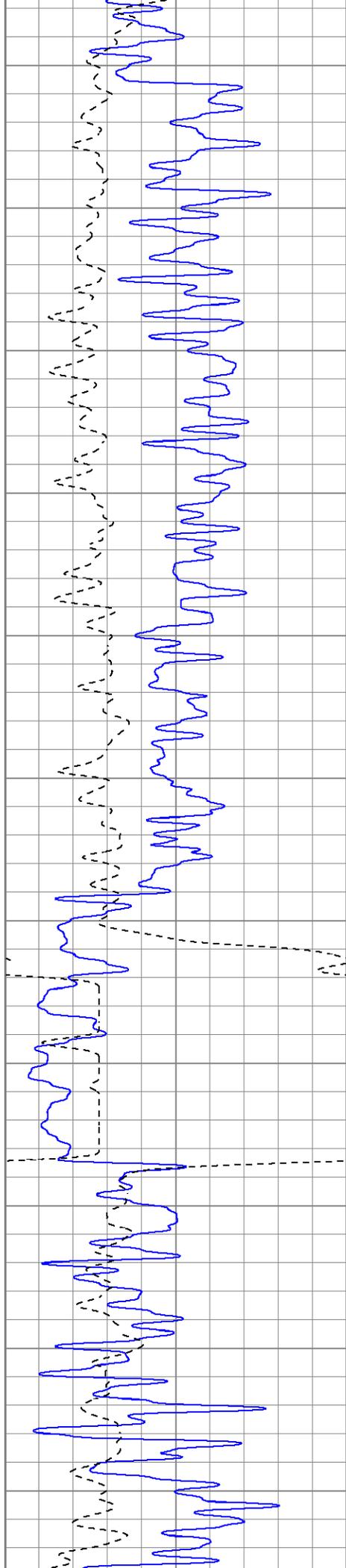
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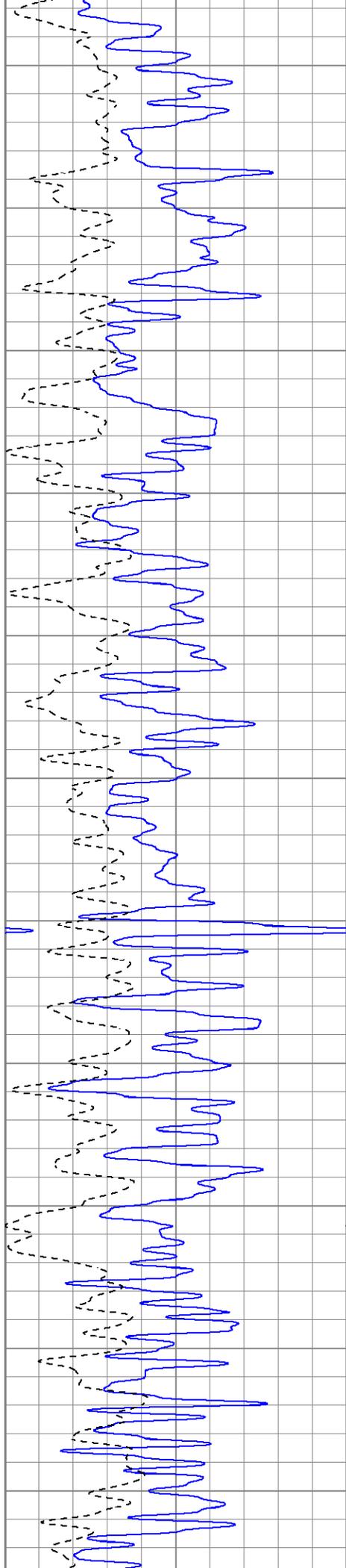
950











2650

2700

2750

2800

2850

2900

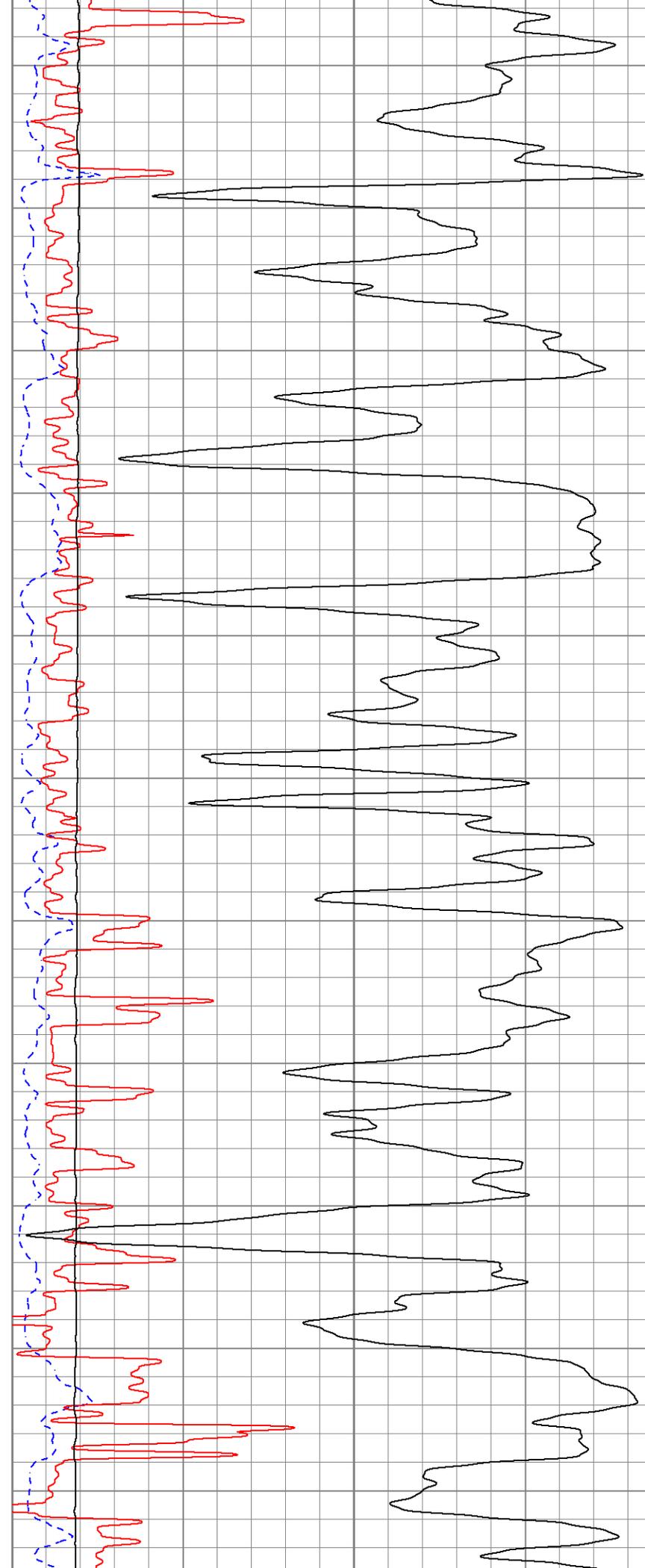
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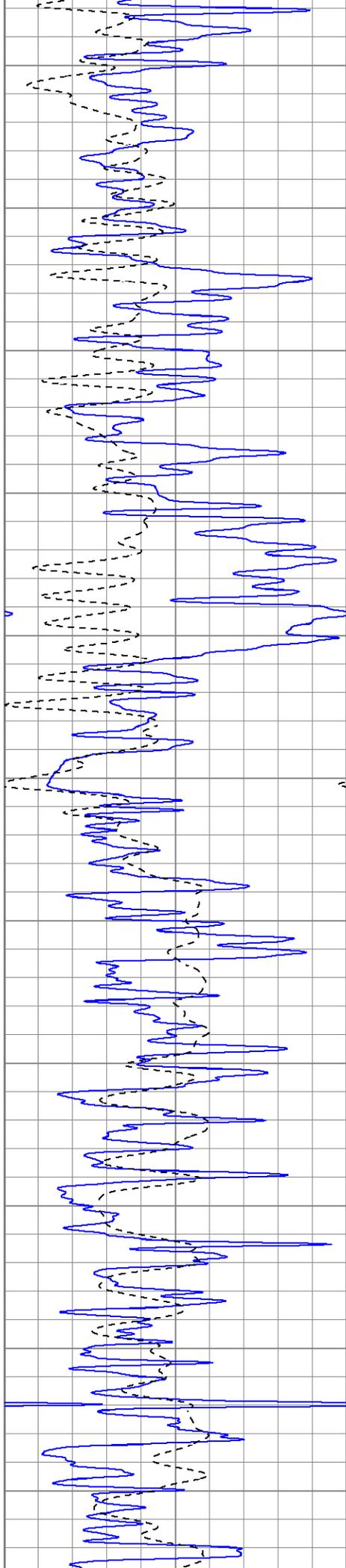
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3050

3100

3150





3200

3250

3300

3350

3400

3450

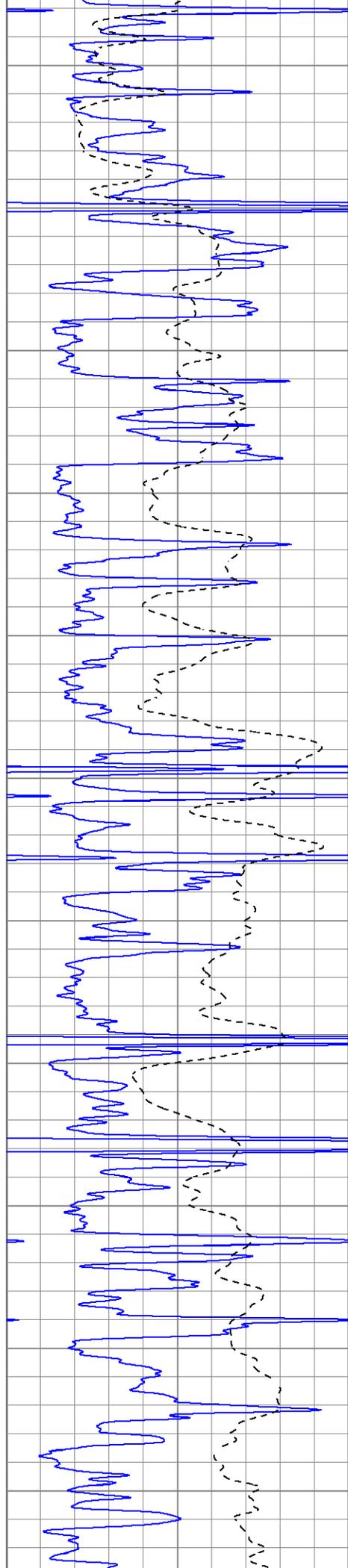
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3550

3600

3650

3700



3750

3800

3850

3900

3950

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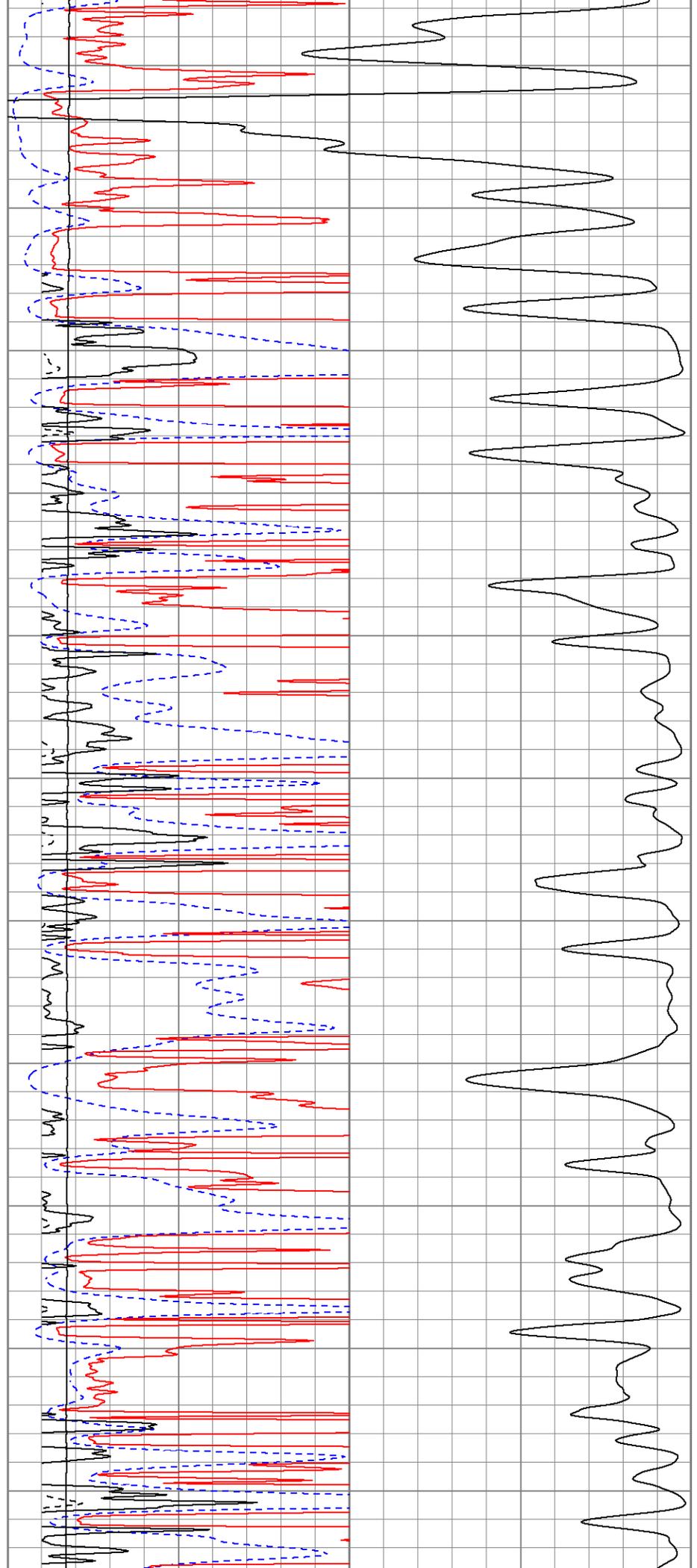
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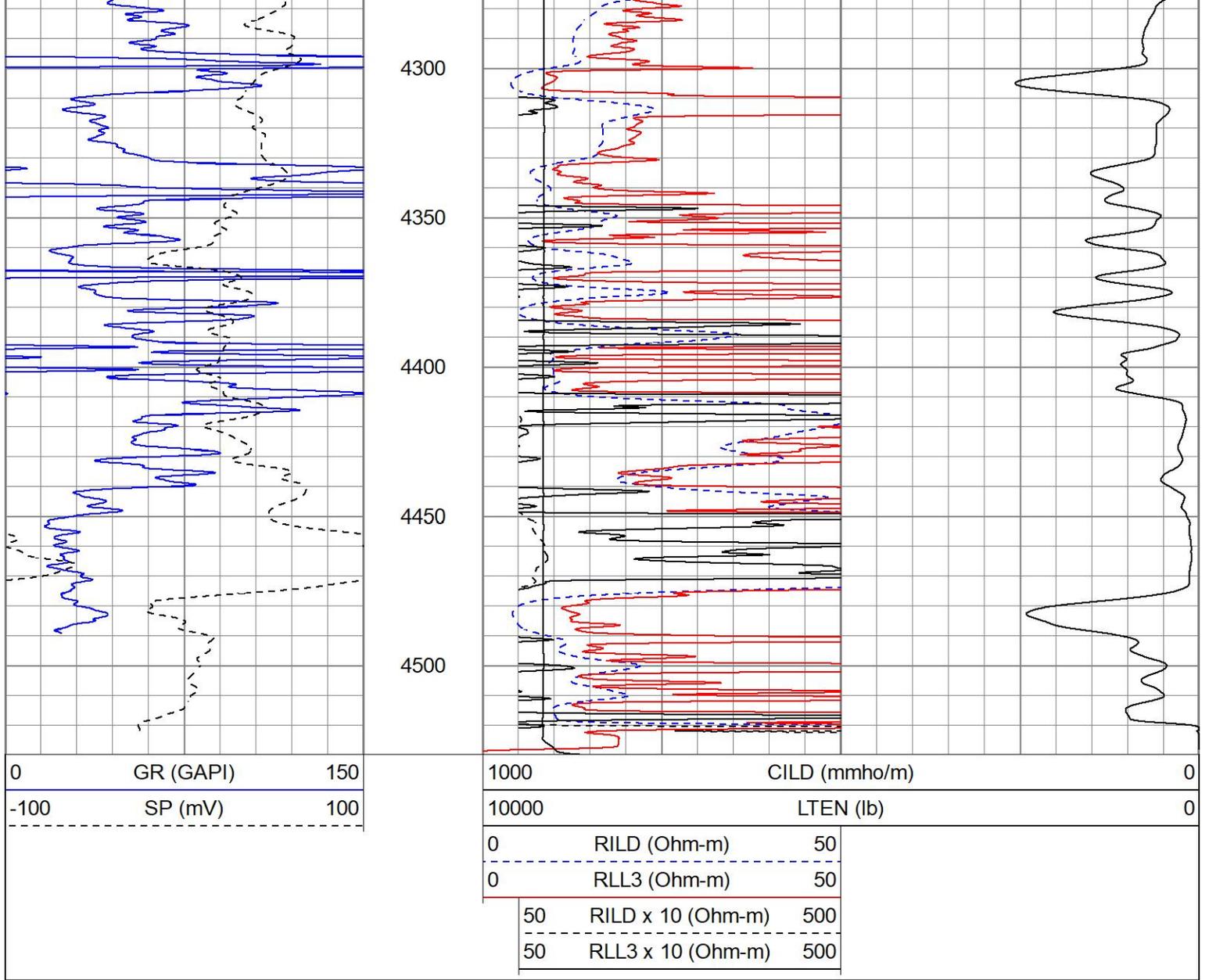
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4150

4200

4250

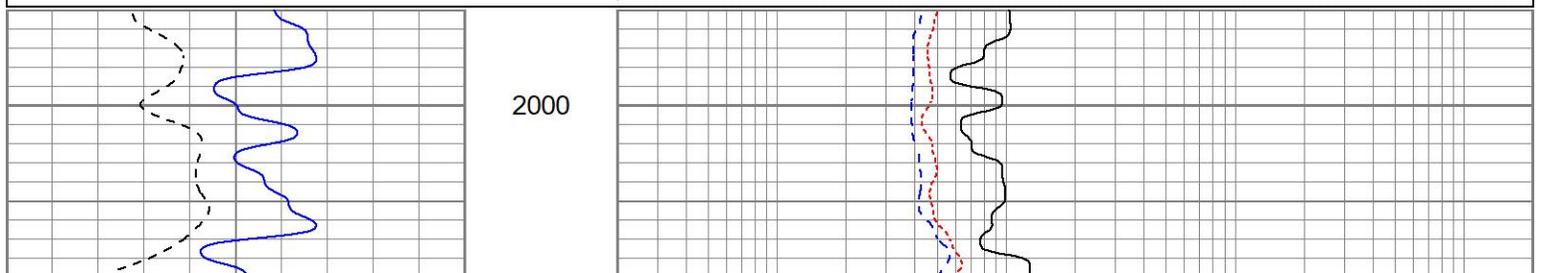


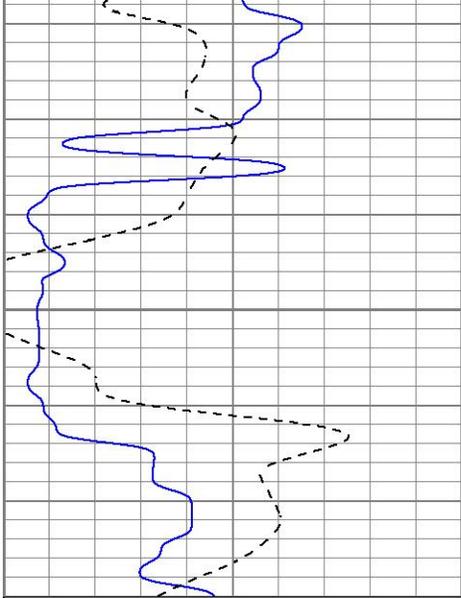


MAIN PASS

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 Presentation Format kdil
 Dataset Creation Sat Feb 26 12:32:26 2022
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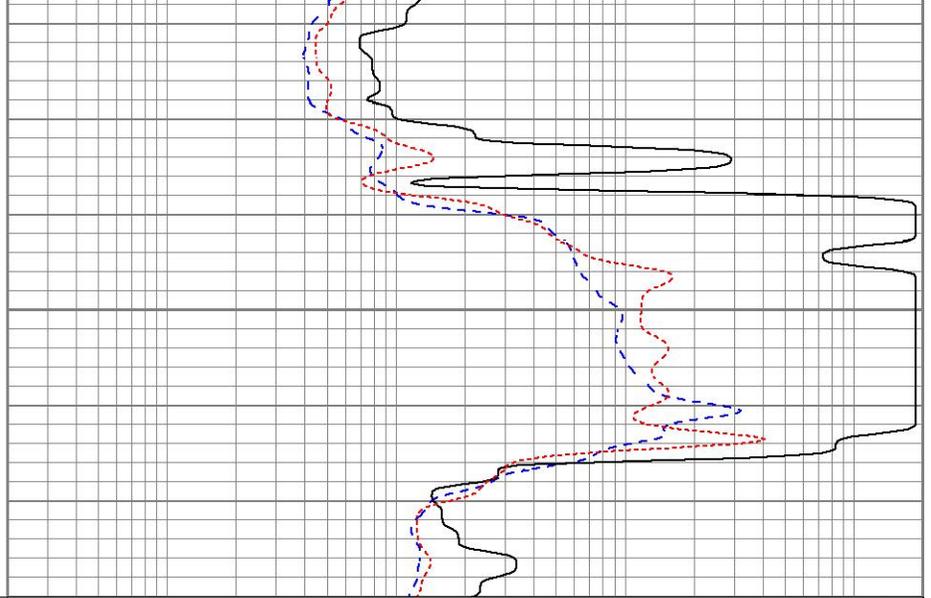
0	GR (GAPI)	150	0.2	RILD (Ohm-m)	2000
-100	SP (mV)	100	0.2	RLL3 (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000





2050

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

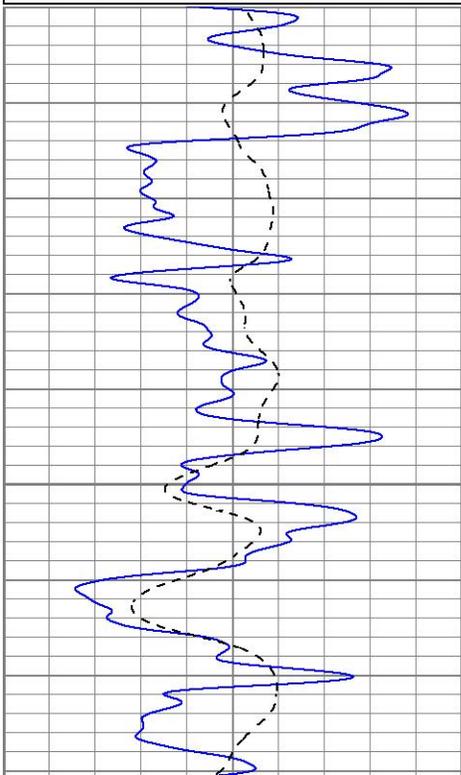


MAIN PASS

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 Dataset Pathname pass4.1
 Presentation Format kdil
 Dataset Creation Sat Feb 26 12:32:26 2022
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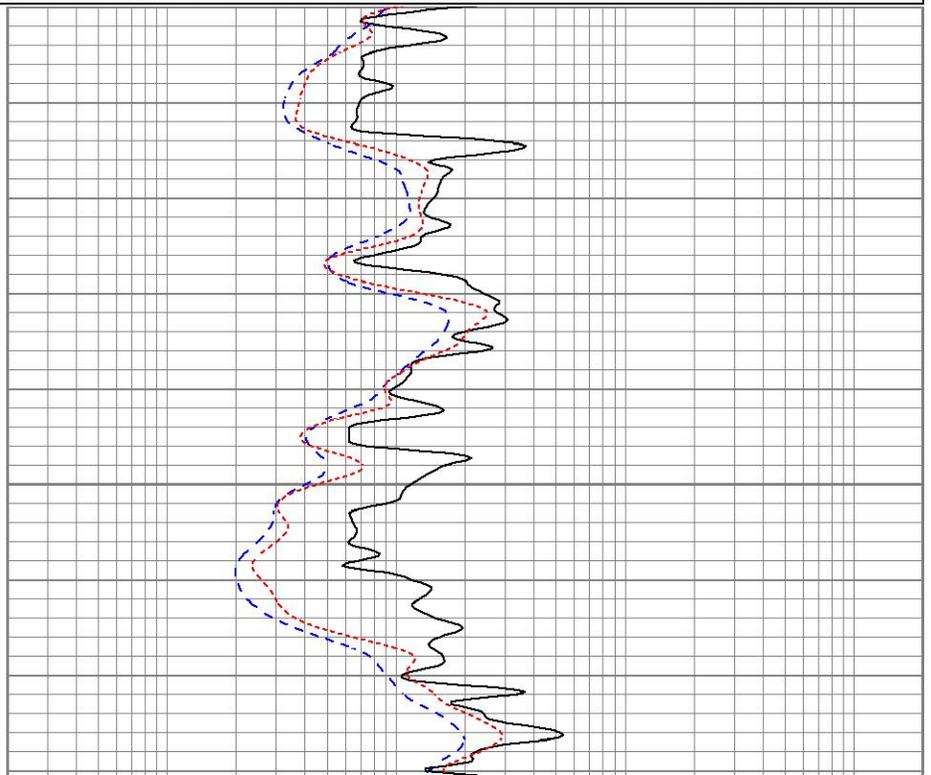
0	GR (GAPI)	150
-100	SP (mV)	100

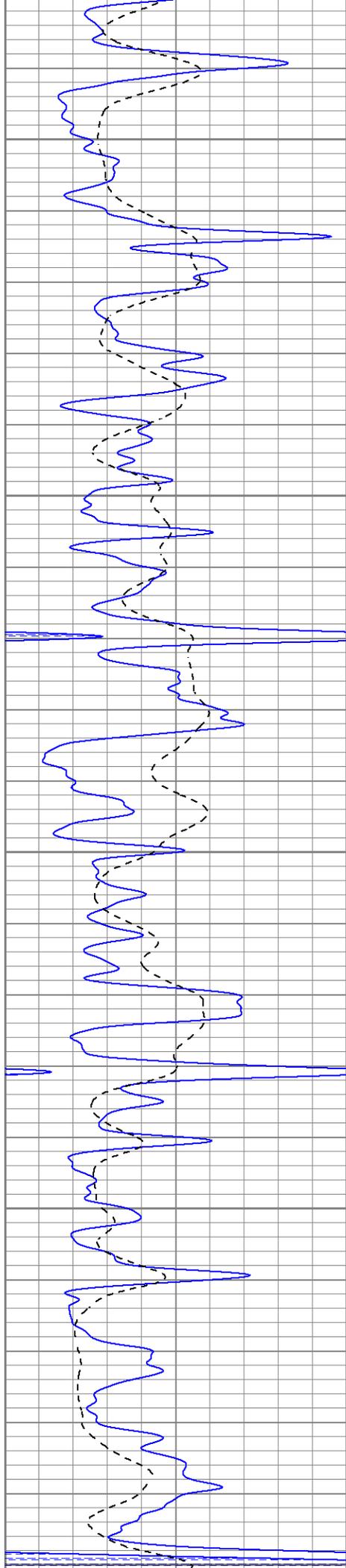
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



3300

3550





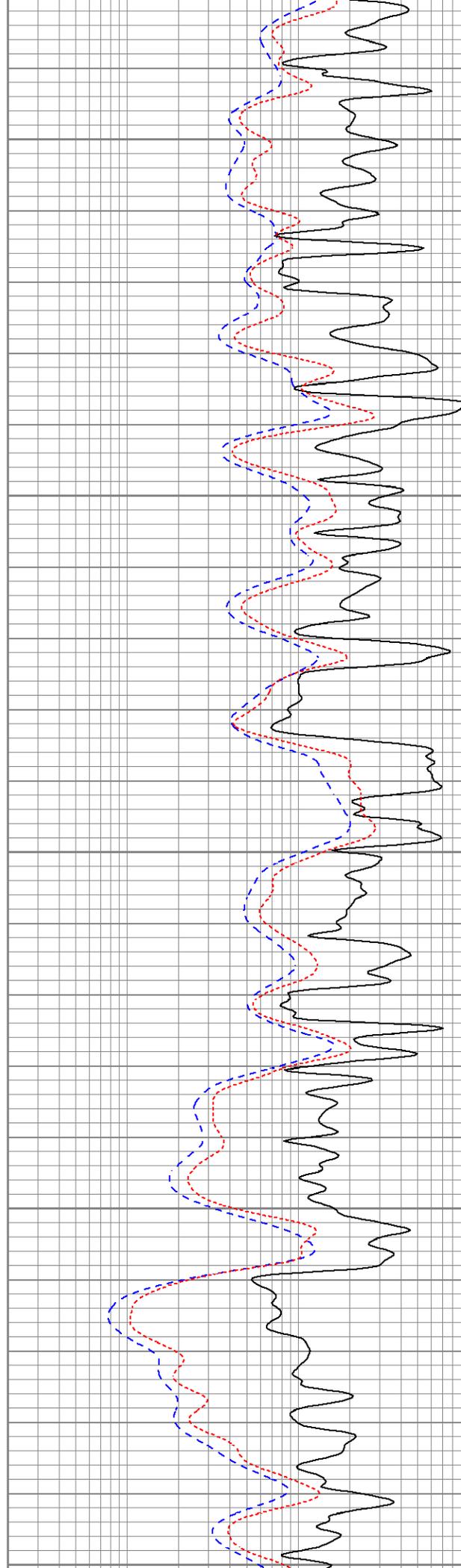
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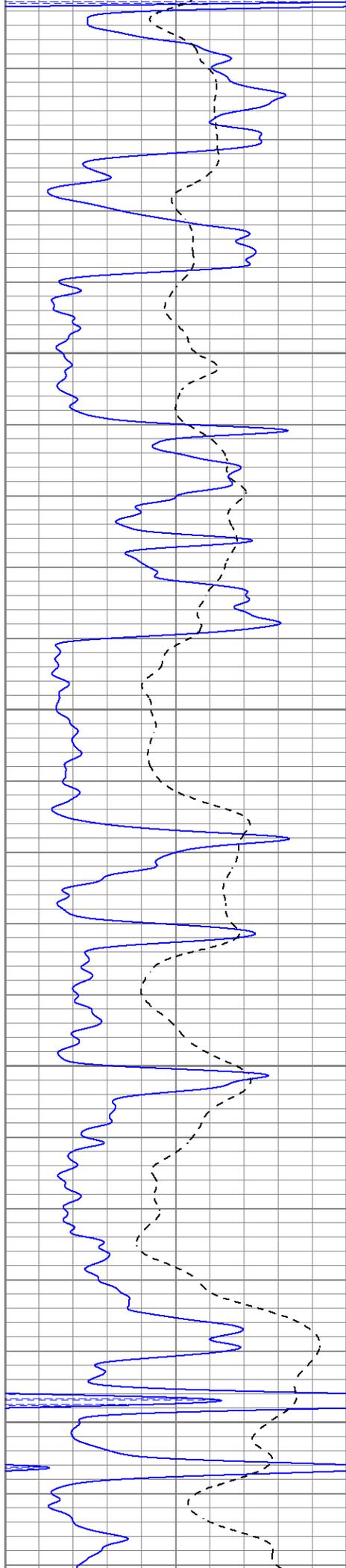
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3800





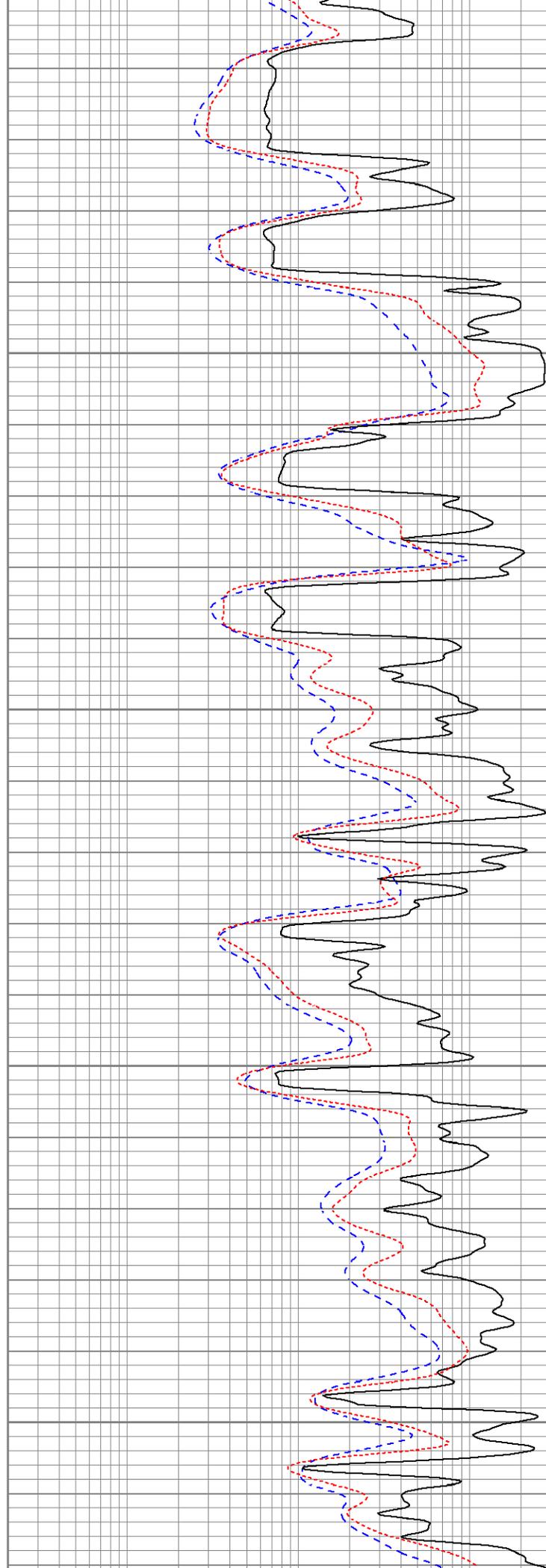
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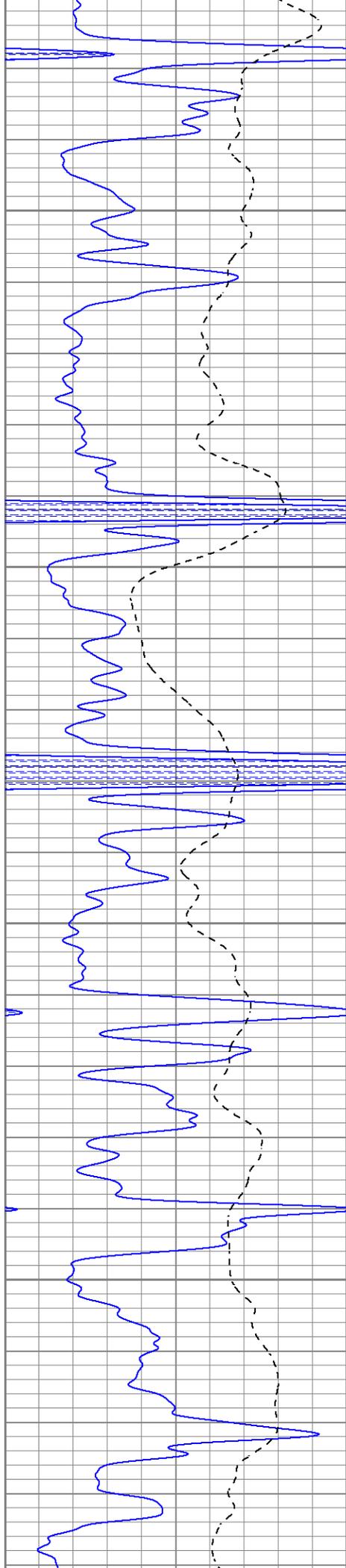
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3950

4000



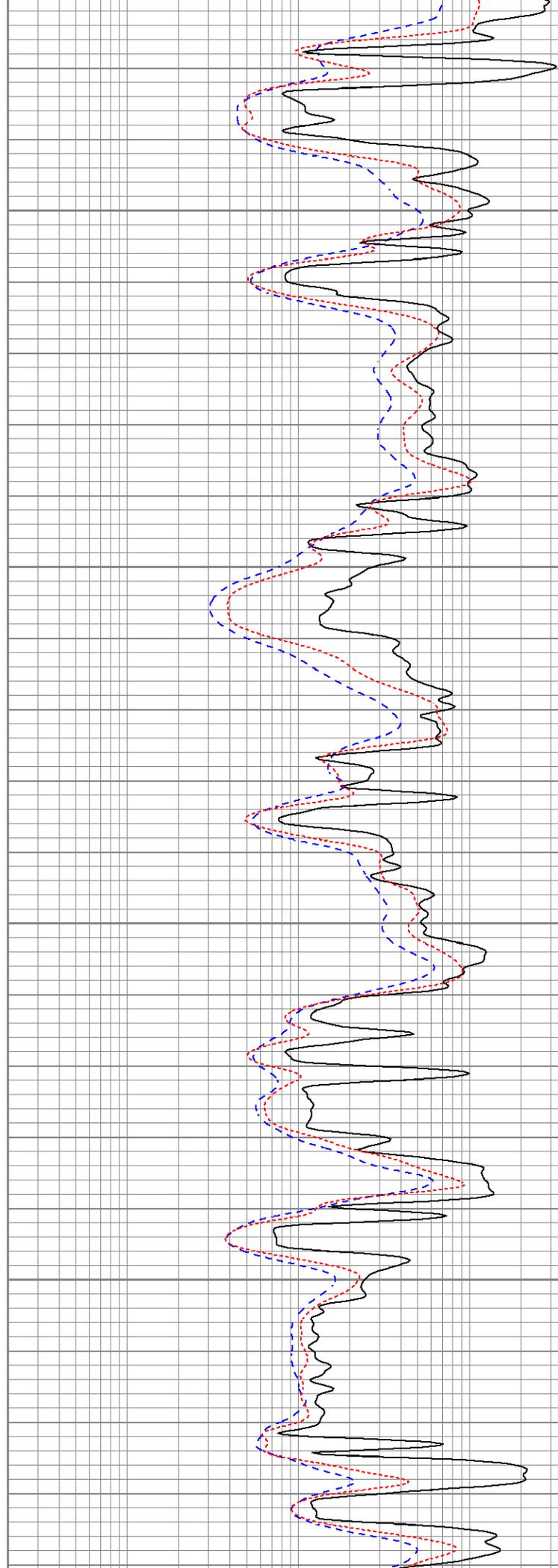


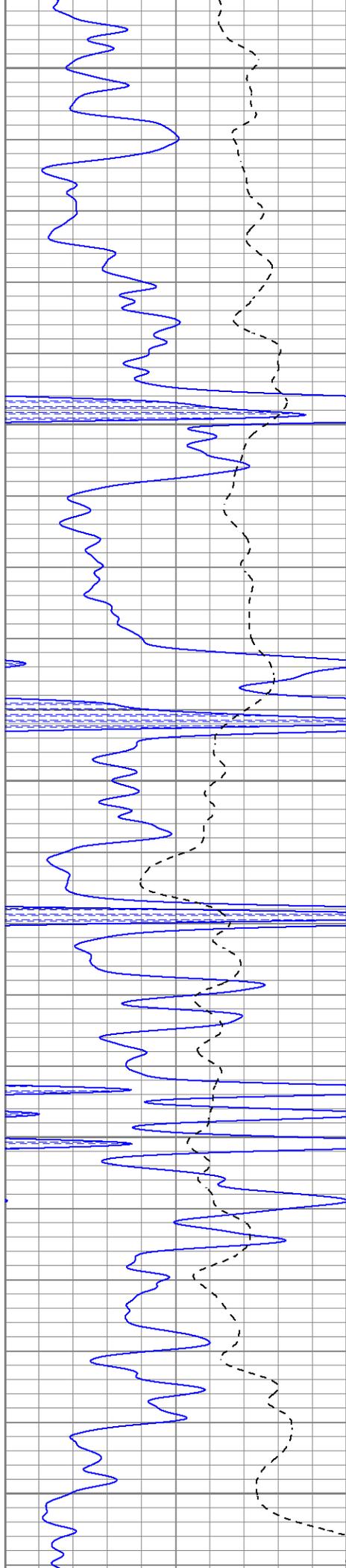
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4150

4200





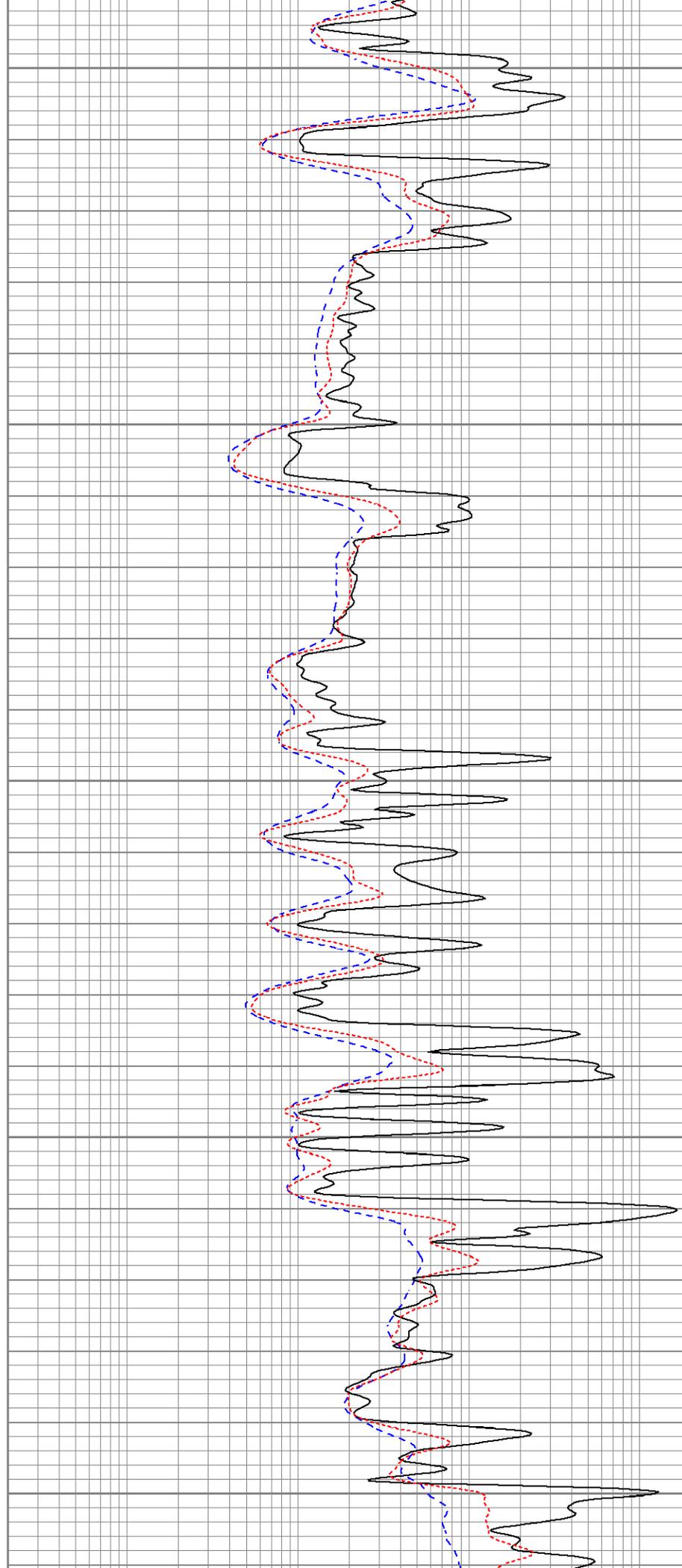
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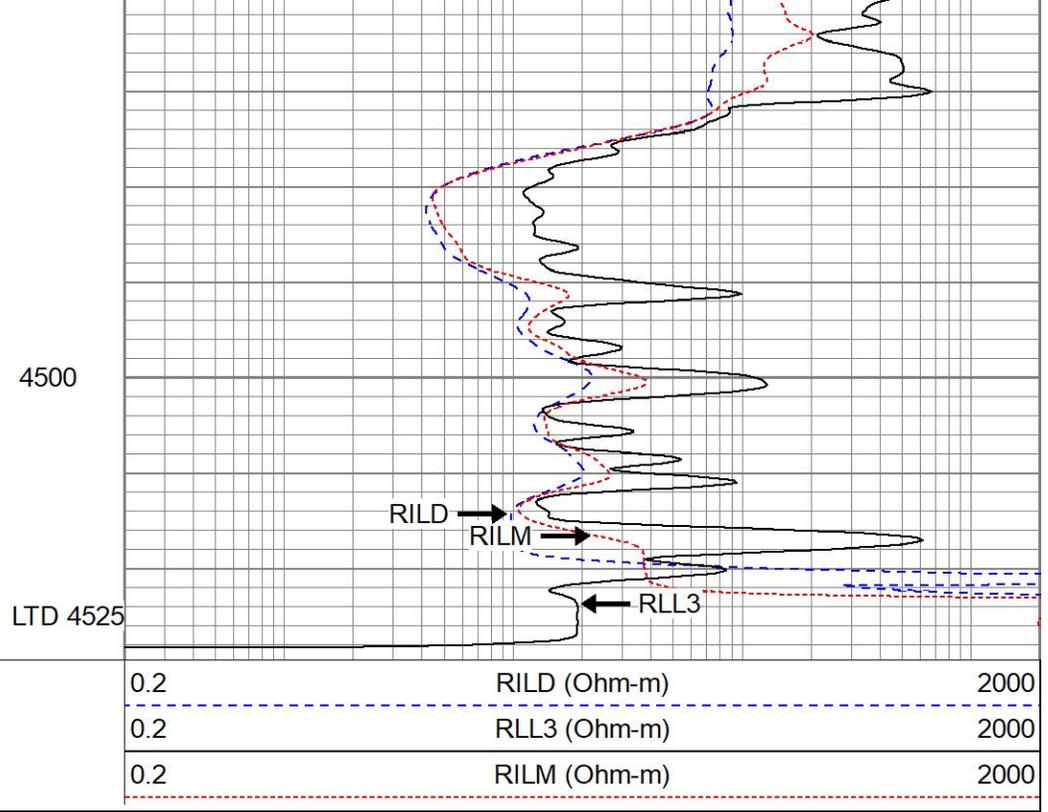
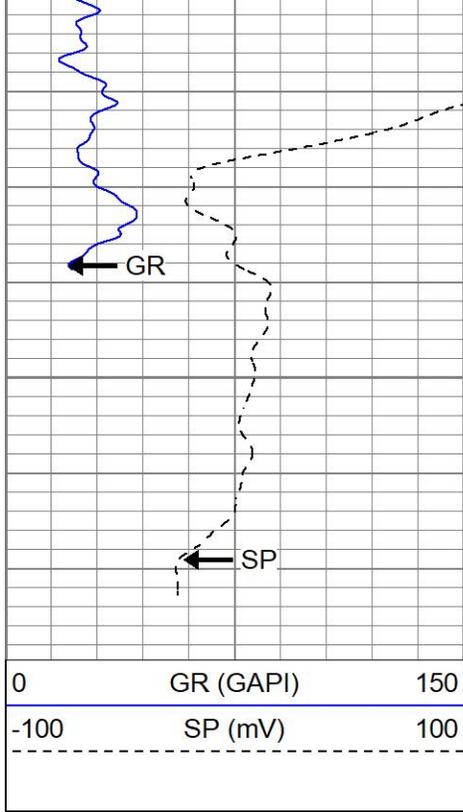
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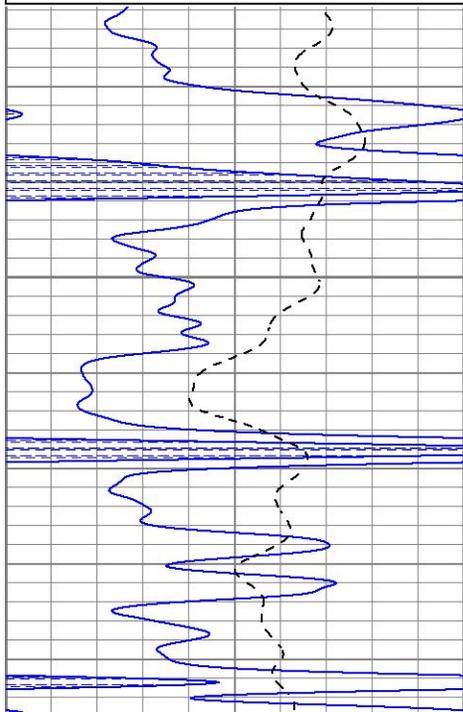
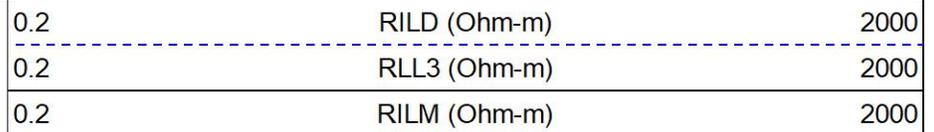
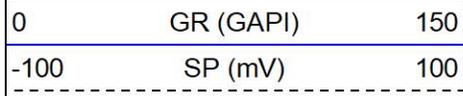
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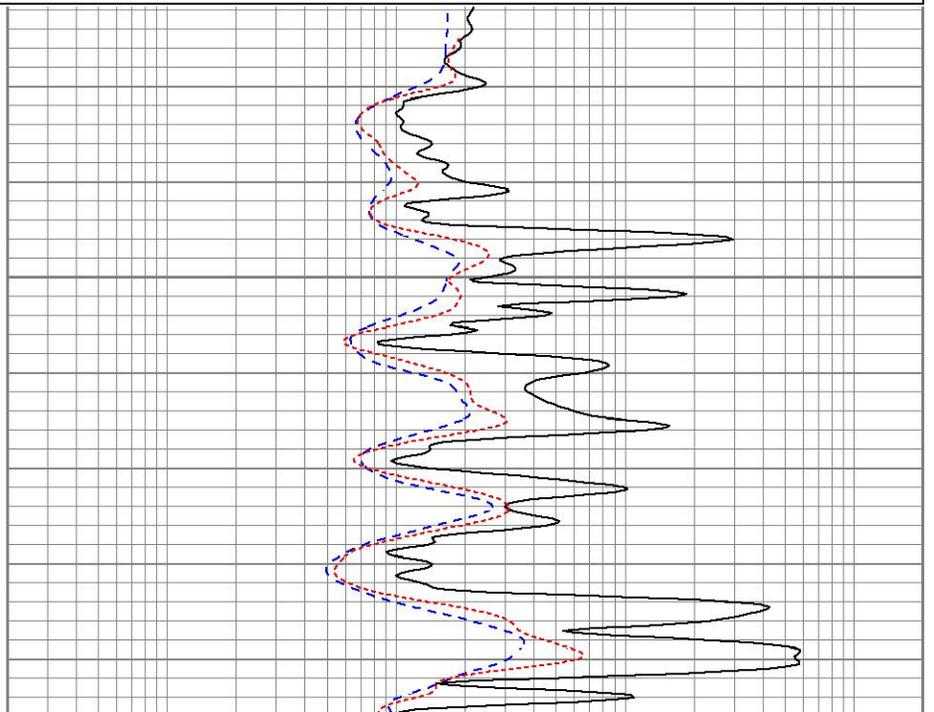


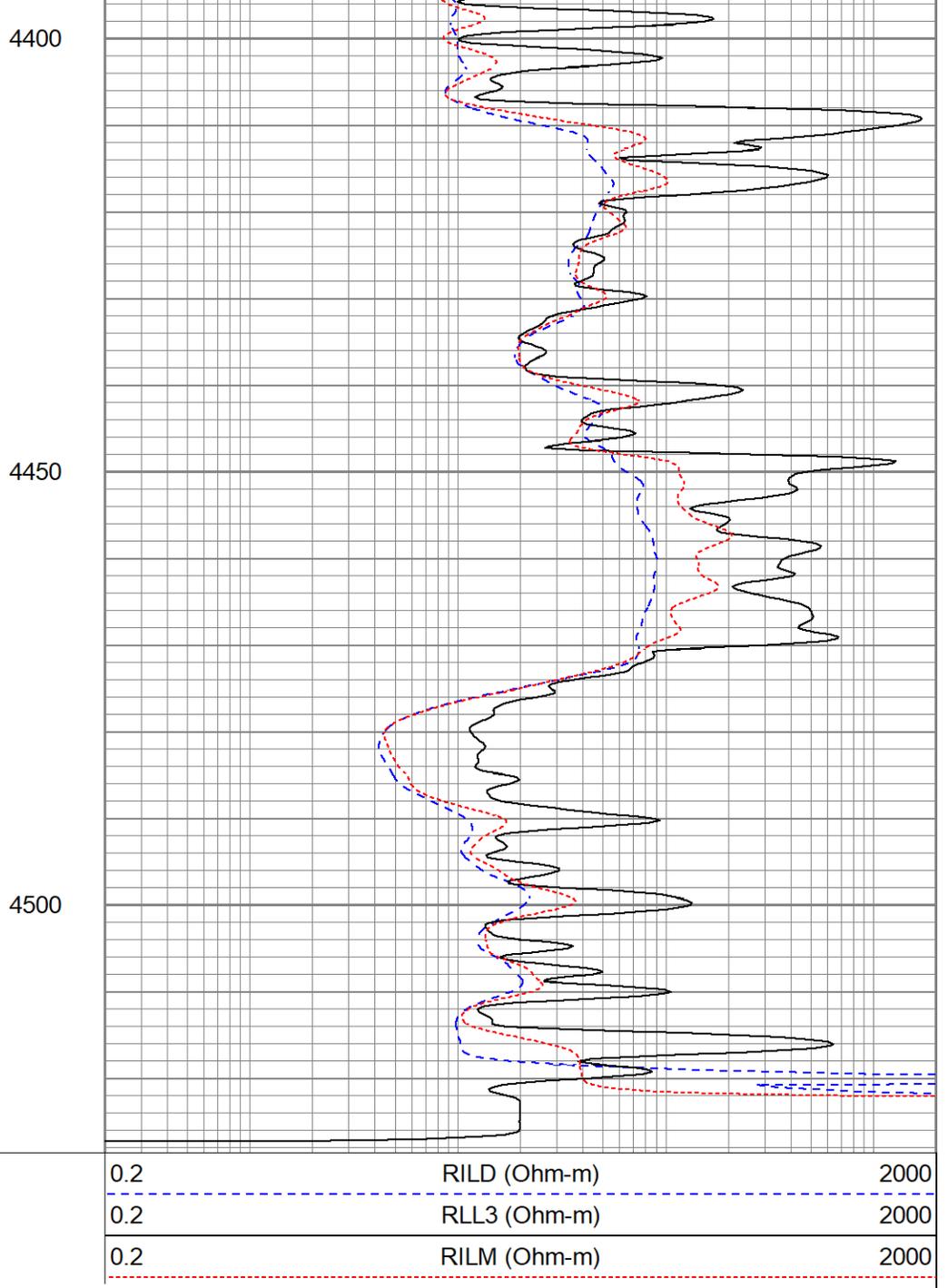
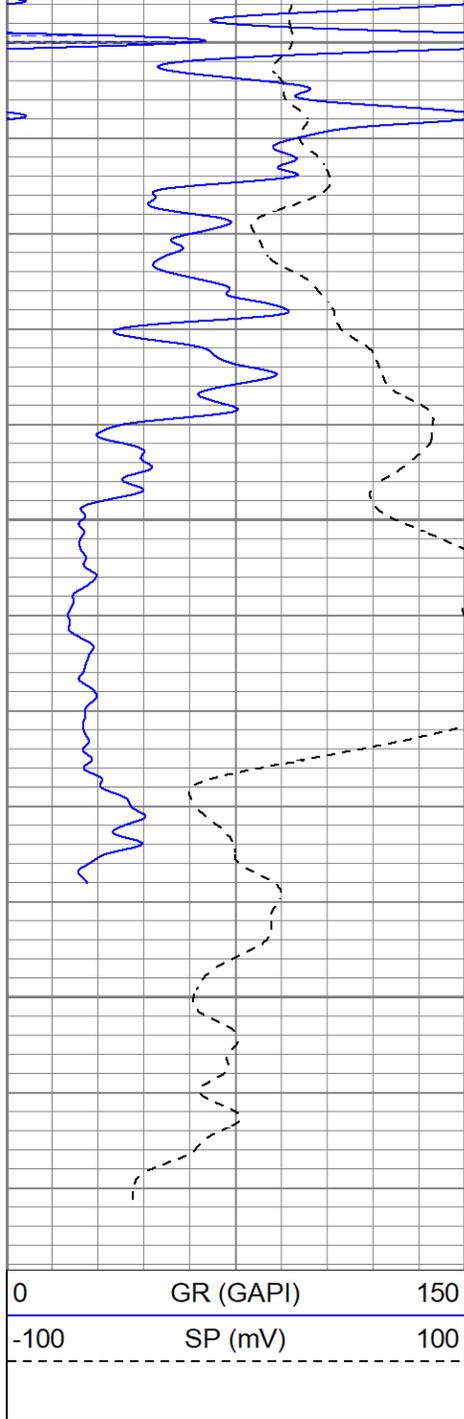
REPEAT SECTION

Database File mglawrence#15-3oh.db
 Dataset Pathname pass3.1
 Presentation Format kdil
 Dataset Creation Sat Feb 26 12:50:26 2022
 Charted by Depth in Feet scaled 1:240



4350





Calibration Report

Database File mglawrence#15-3oh.db
 Dataset Pathname pass3.1
 Dataset Creation Sat Feb 26 12:50:26 2022

Dual Induction Calibration Report

Serial-Model: 1842-ADM
 Surface Cal Performed: Mon Sep 20 22:00:42 2021
 Downhole Cal Performed: Mon Sep 20 22:00:24 2021
 After Survey Verification Performed: Mon Sep 20 22:05:52 2021

Surface Calibration

Loop:	Readings			V	References			Results	
	Air	Loop			Air	Loop	mmho/m	m	b
Deep	0.018	0.672		V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769		V	0.000	400.000	mmho/m	522.607	-1.745

Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration

Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.219	349.905	mmho/m	-0.343	349.810	mmho/m	1.000	-3.124
Medium	-0.118	399.722	mmho/m	-0.226	399.745	mmho/m	1.000	-3.108
Shallow	2.536	0.025	V	500.000	2.000	Ohm-m	180.330	-1.504

After Survey Verification

Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Admyr Lithodensity Calibration Report

Serial-Model: 1C-C
Source: Blue2
Master Calibration Performed: Tue Oct 20 08:37:42 2020

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.670	g/cc	6640.15	4353.97	cps
Aluminium	2.640	g/cc	1651.98	2729.31	cps
Aluminium+Sleeve	2.640	g/cc	1651.98	2729.31	cps
Spine Angle = 71.44			Density/Spine Ratio = 0.661		
	PE		NLITH	NHARD	
Magnesium	1.900	barn	1410.00	1000.00	cps
Aluminium	2.400	barn	1101.00	918.50	cps
Aluminium+Sleeve	5.000	barn	656.00	951.00	cps
M = 0.448			B = -0.112	R = 0.999	
	Size		Reading		
Small Ring	8.30	in	8.61	V	
Large Ring	14.30	in	12.40	V	

Neutron Calibration Report

Serial Number: AD5139
Tool Model: ADMY5139
Performed: (Not Performed)

Calibrator Value: 1 NAPI
Calibrator Reading: 1 cps
Sensitivity: 1 NAPI/cps

Temperature Calibration Report

Temperature Calibration Report

Serial Number: WithMC
 Tool Model: WMC
 Performed: Fri Apr 19 12:15:04 2019

	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 May 5 19:20:48 2021			
	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: WithMC
 Tool Model: WMC
 Performed: Wed May 5 19:21:08 2021

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps