



DUAL INDUCTION LOG

Company RAYMOND OIL COMPANY, INC.

Well FRUSHER FARMS #1

Field WILDCAT

County HODGEMAN State KANSAS

Location: API #: 15-1083-22004-0000

SE - NE - SW - NW
1729' FNL & 1236' FWL

SEC 10 TWP 21S RGE 23W

Permanent Datum GROUND LEVEL Elevation 2312
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
MEL
Elevation
K.B. 2317
D.F. 2315
G.L. 2312

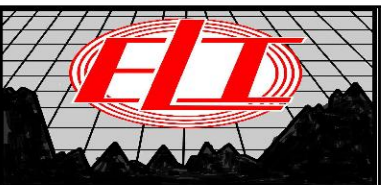
Date	5/20/22
Run Number	ONE
Depth Driller	4620
Depth Logger	4620
Bottom Logged Interval	4618
Top Log Interval	00
Casing Driller	8 5/8"@261'
Casing Logger	261
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.6/44
pH / Fluid Loss	8.0/13.2
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.650@75F
Rmf @ Meas. Temp	.488@75F
Rmc @ Meas. Temp	.780@75F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.400@122F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	9:30 A.M.
Maximum Recorded Temperature	122F
Equipment Number	8916
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	KIM SHOEMAKER

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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, HAYS, KS. (785) 628-6395
DIRECTIONS:
NESS CITY, KS., 11S. ON HWY 283 TO "RD. X", 3 1/2E., S. INTO

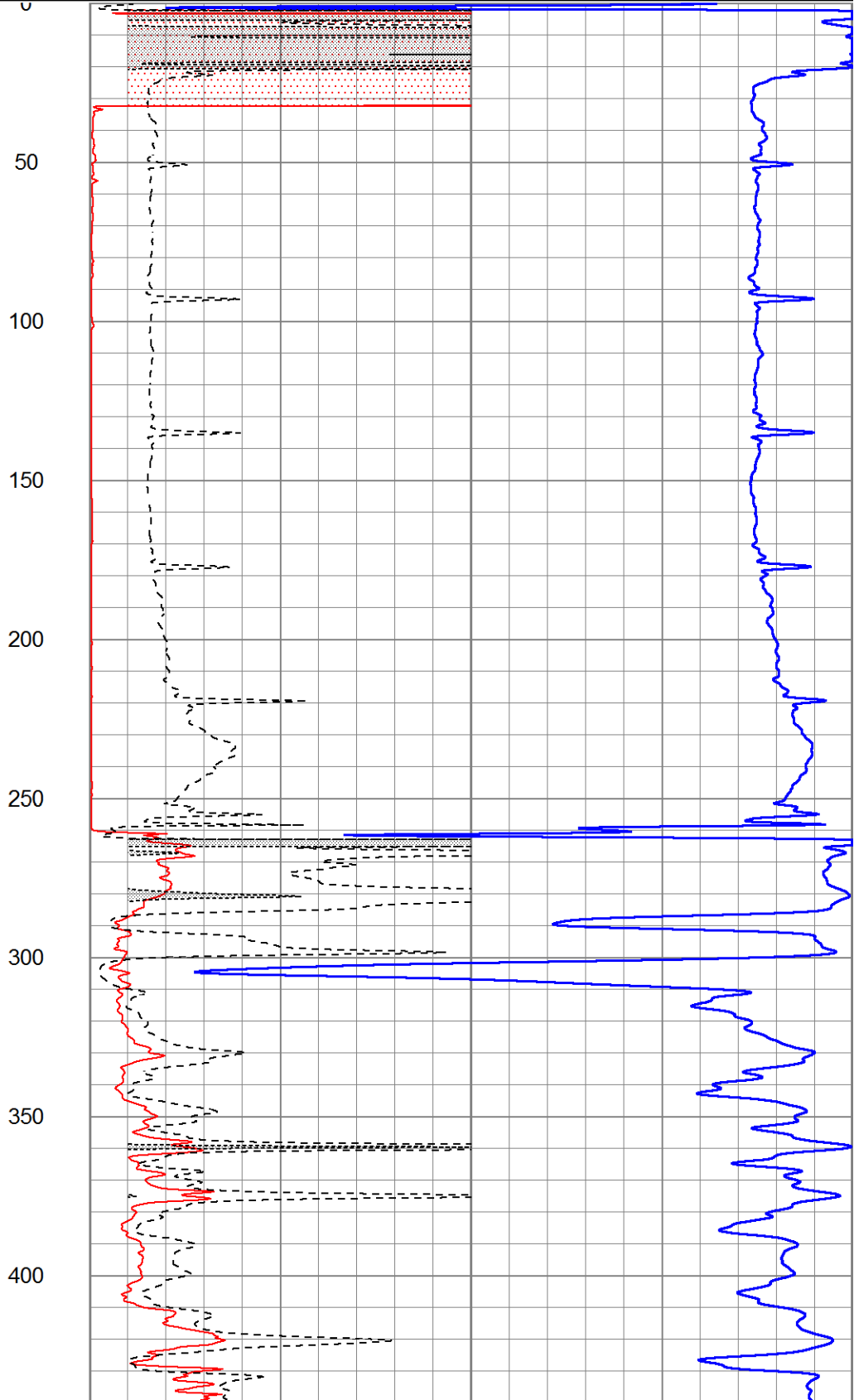
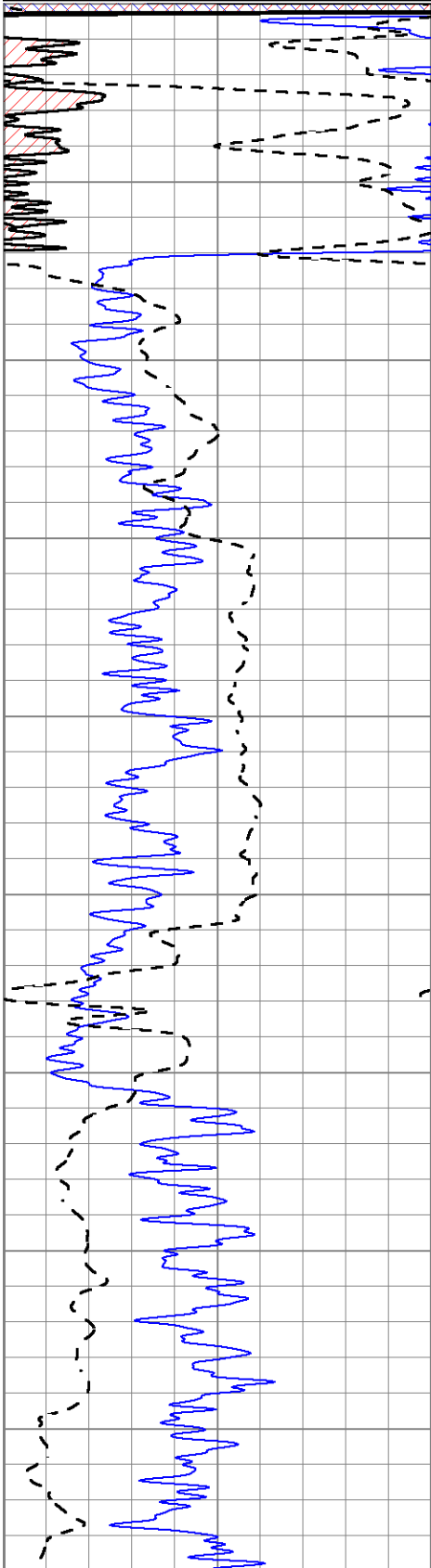


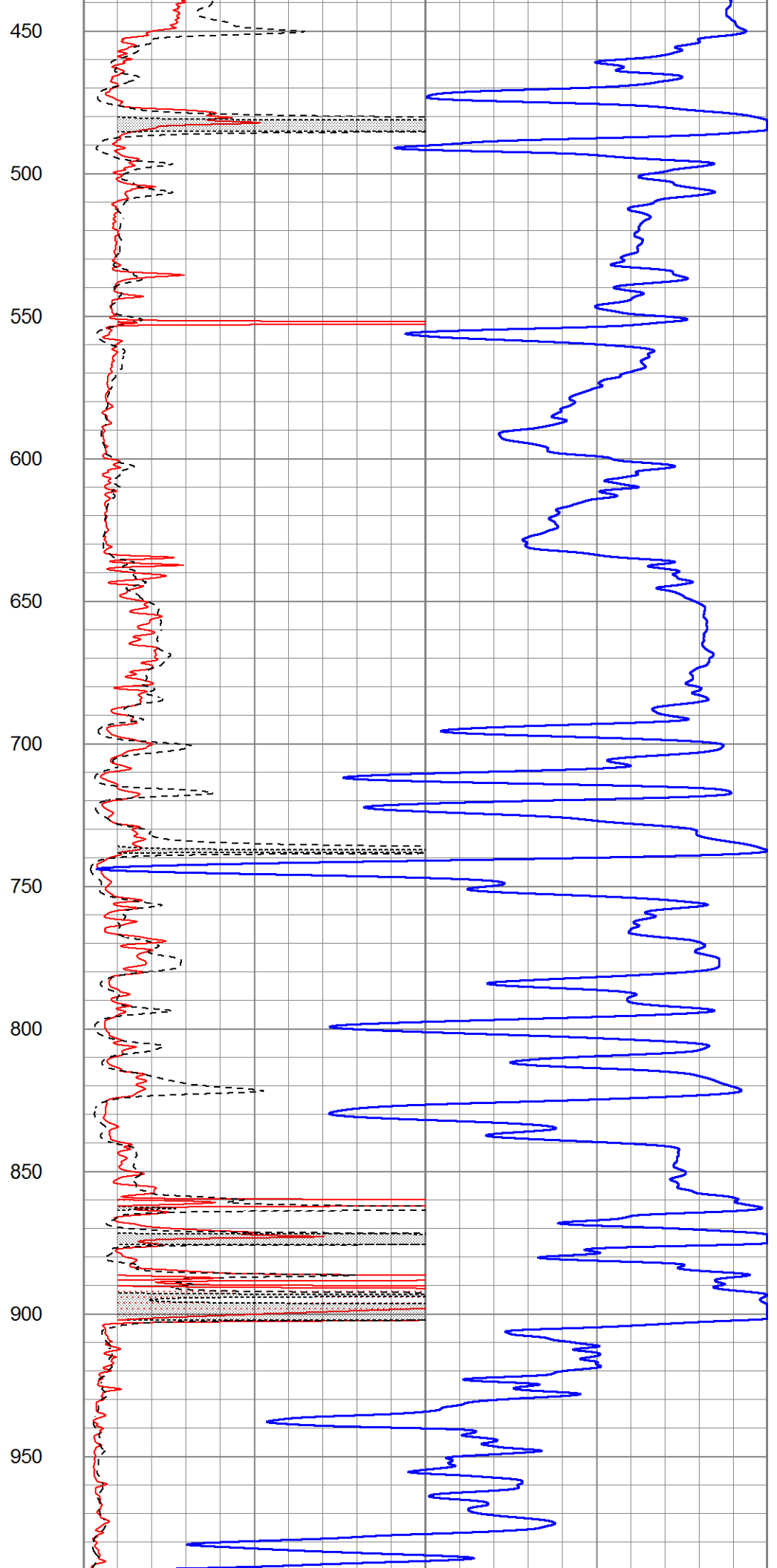
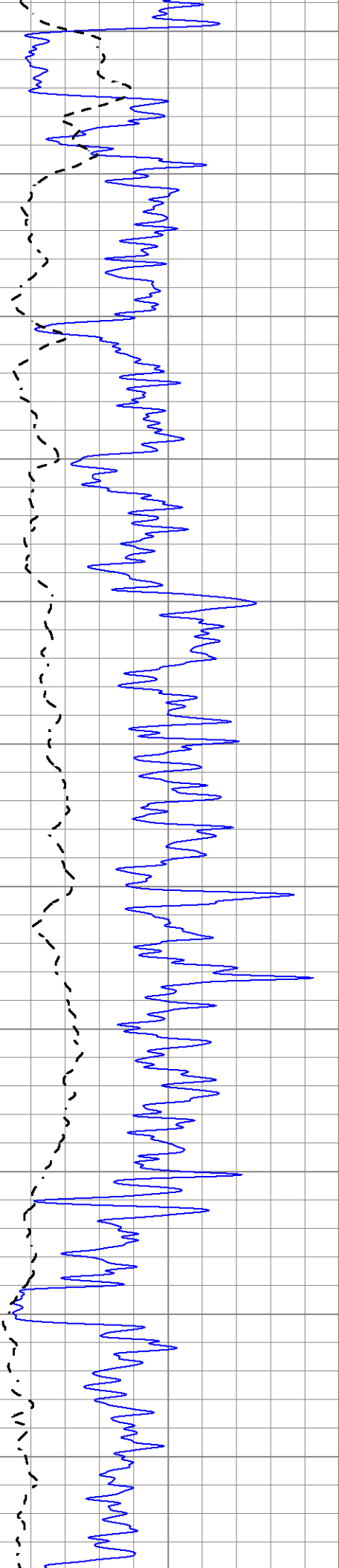
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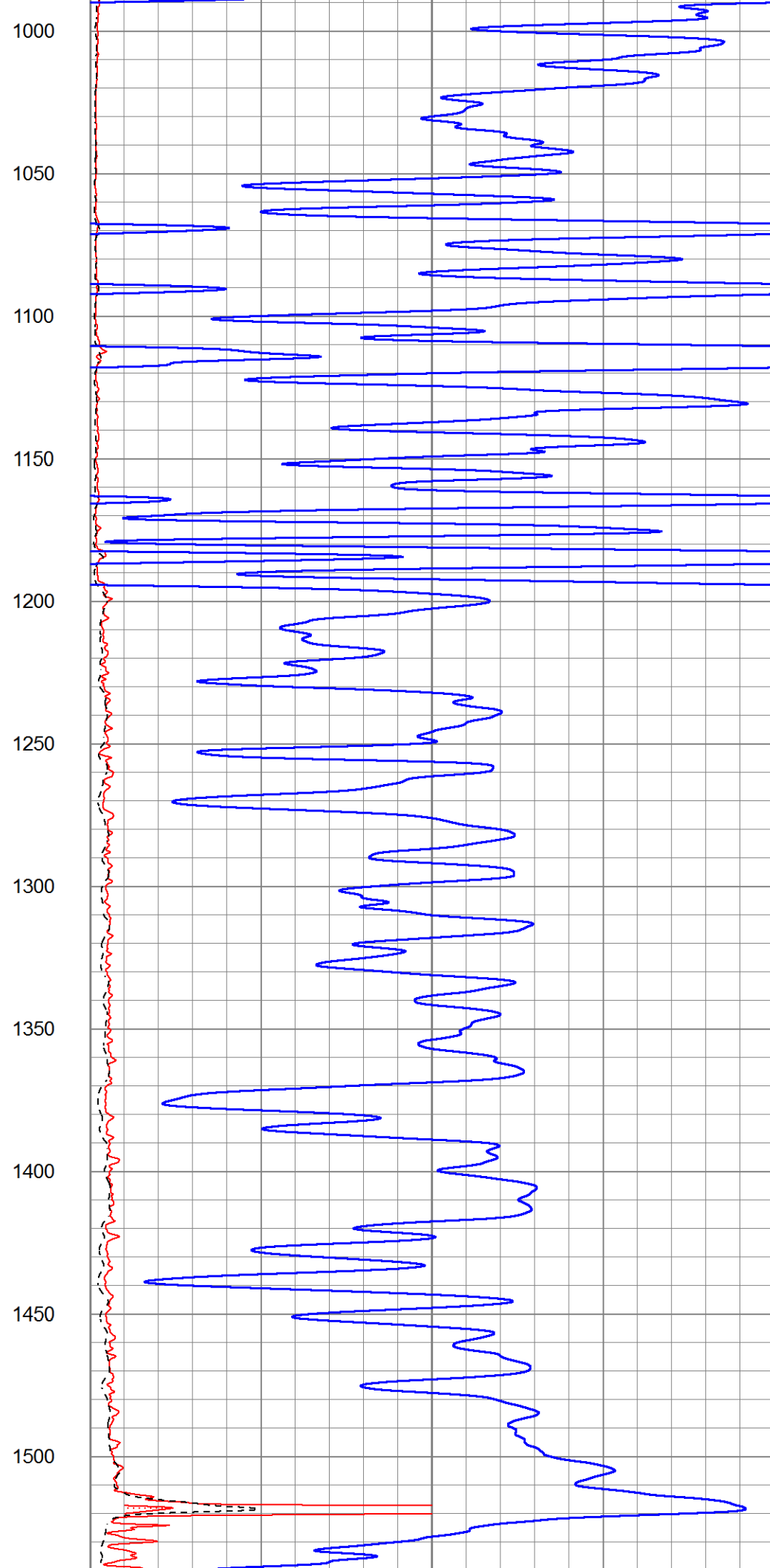
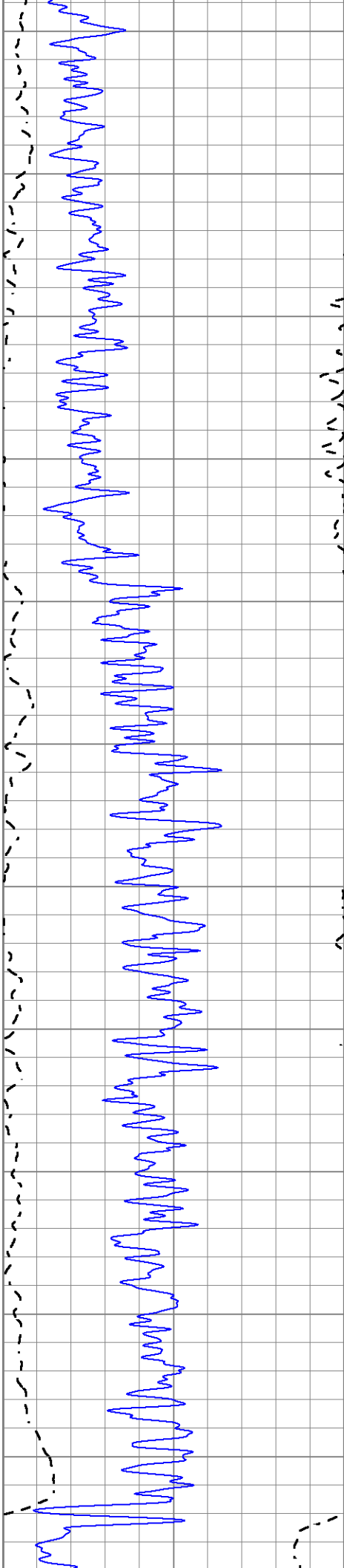
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 Presentation Format dil2
 Dataset Creation Fri May 20 11:29:13 2022
 Charted by Depth in Feet scaled 1:600

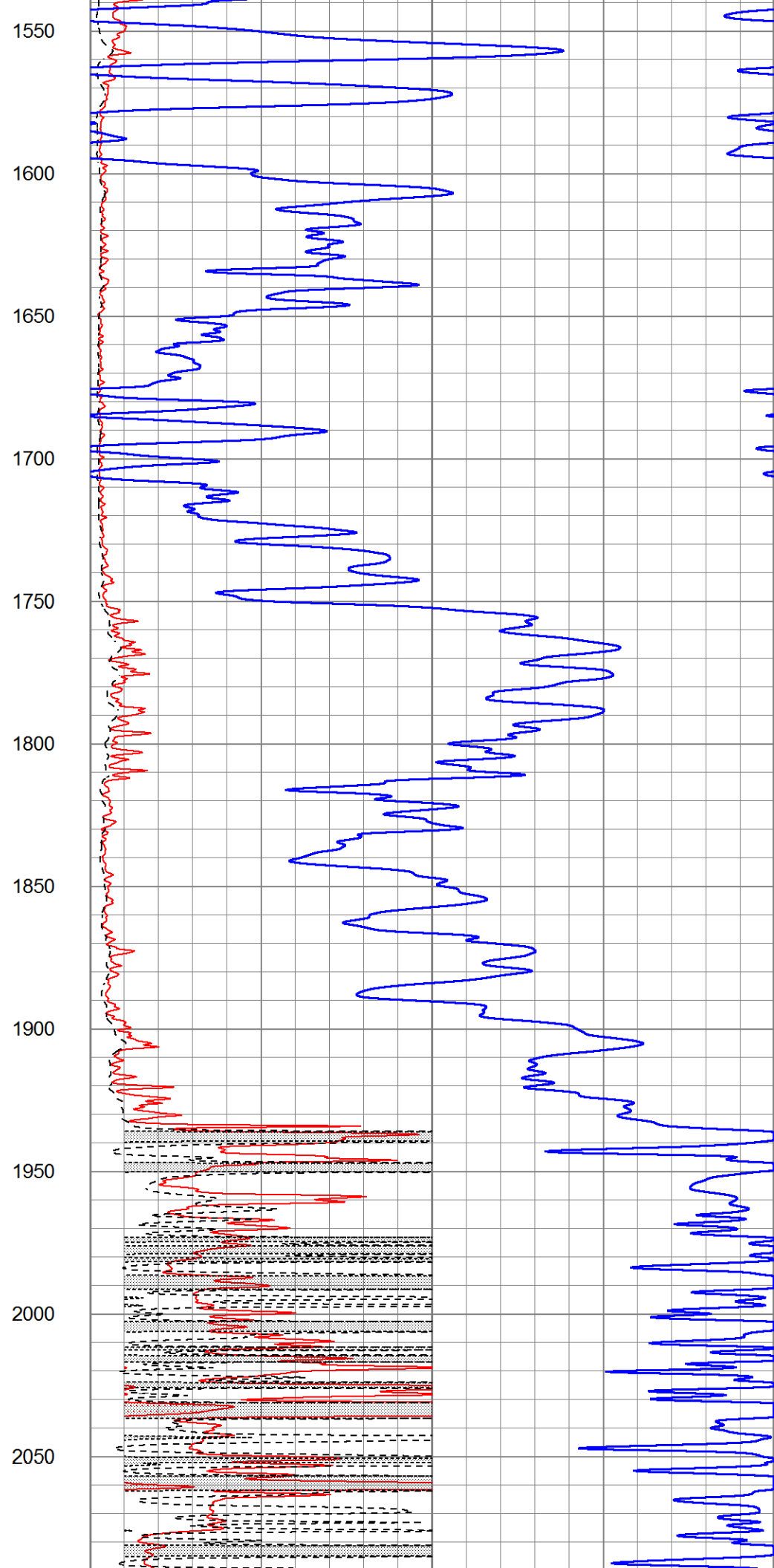
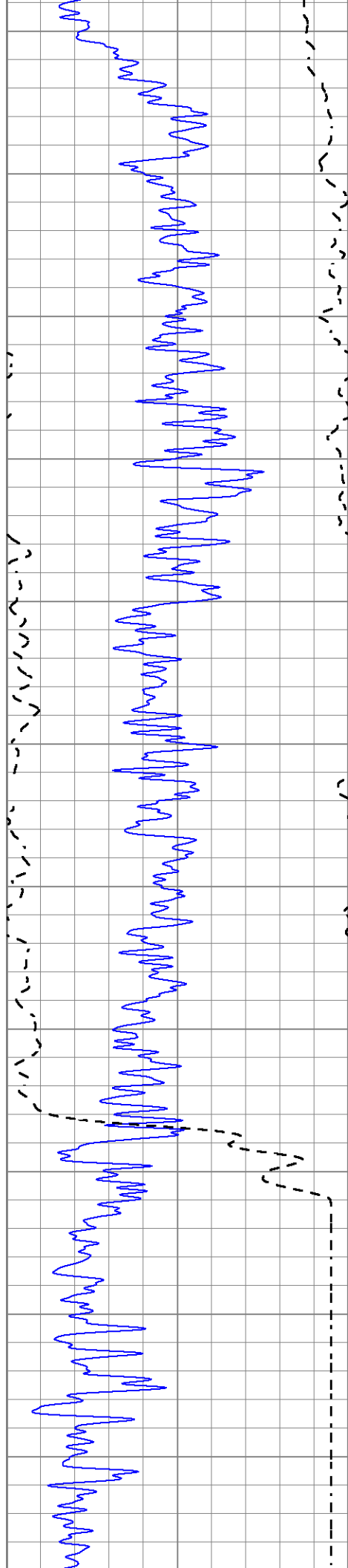
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 -100 SP (mV) 100

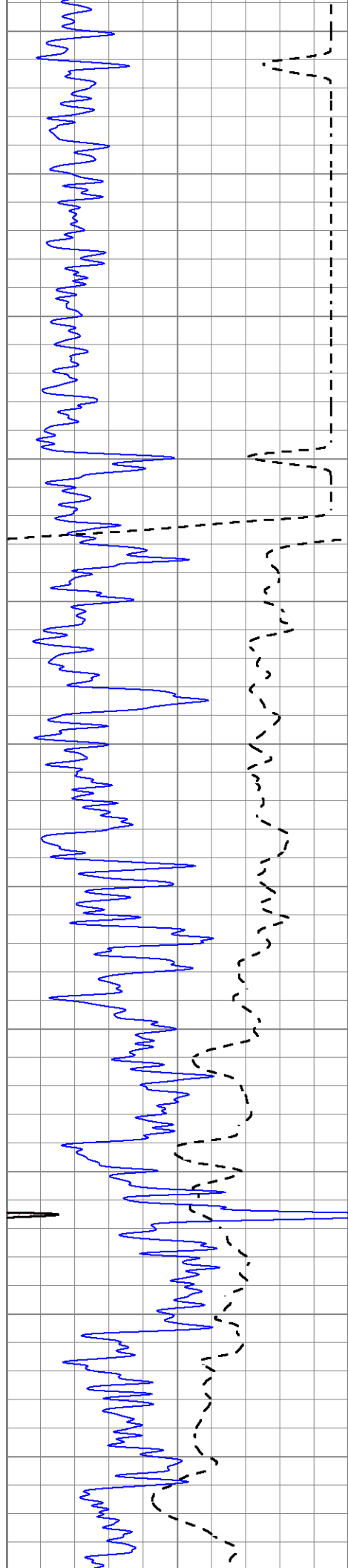
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 0 RLL3 (Ohm-m) 50
 0 RILD (Ohm-m) 50
 50 RILD X10 (Ohm-m) 500
 50 RLL3 X10 (Ohm-m) 500



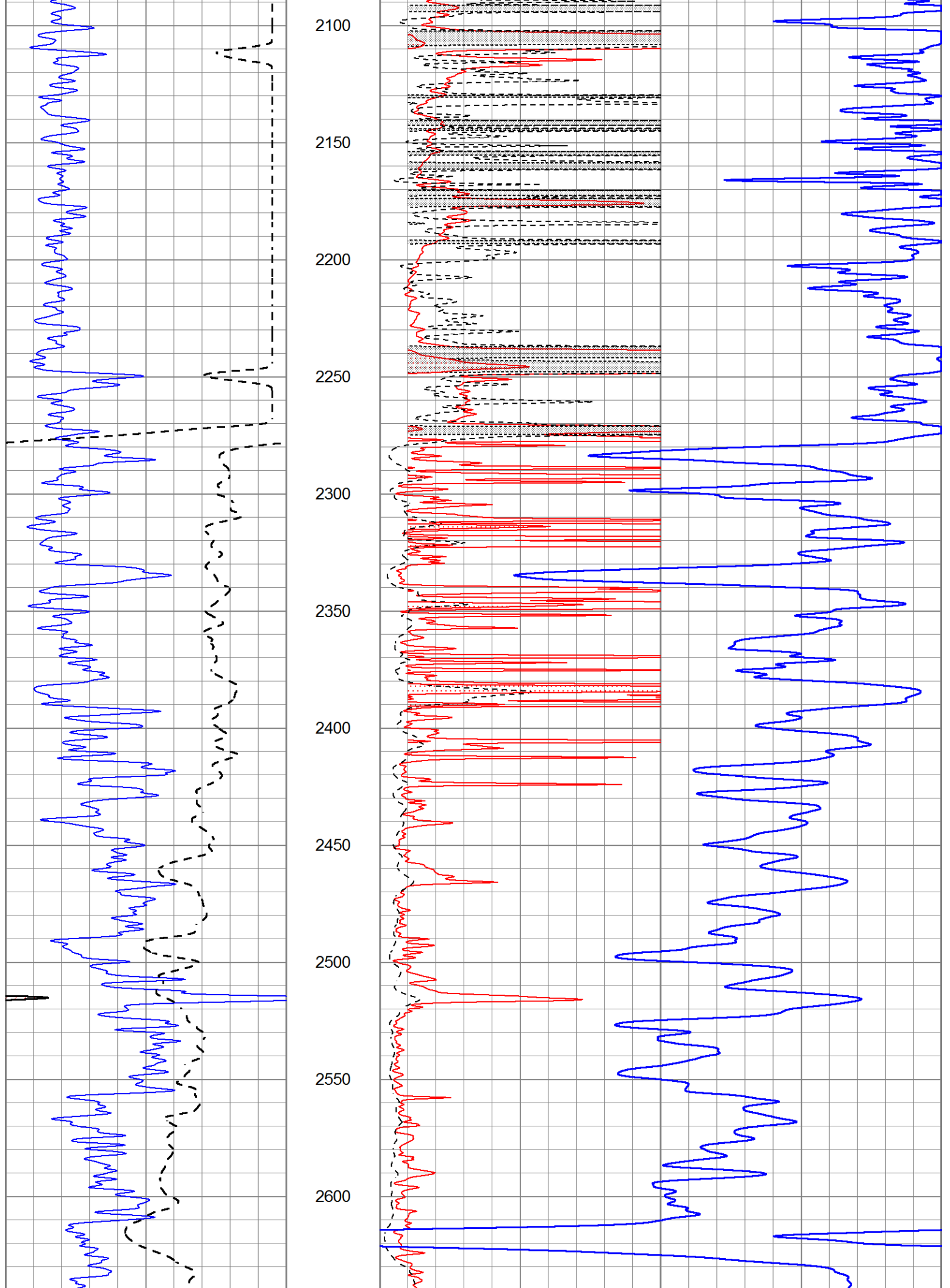
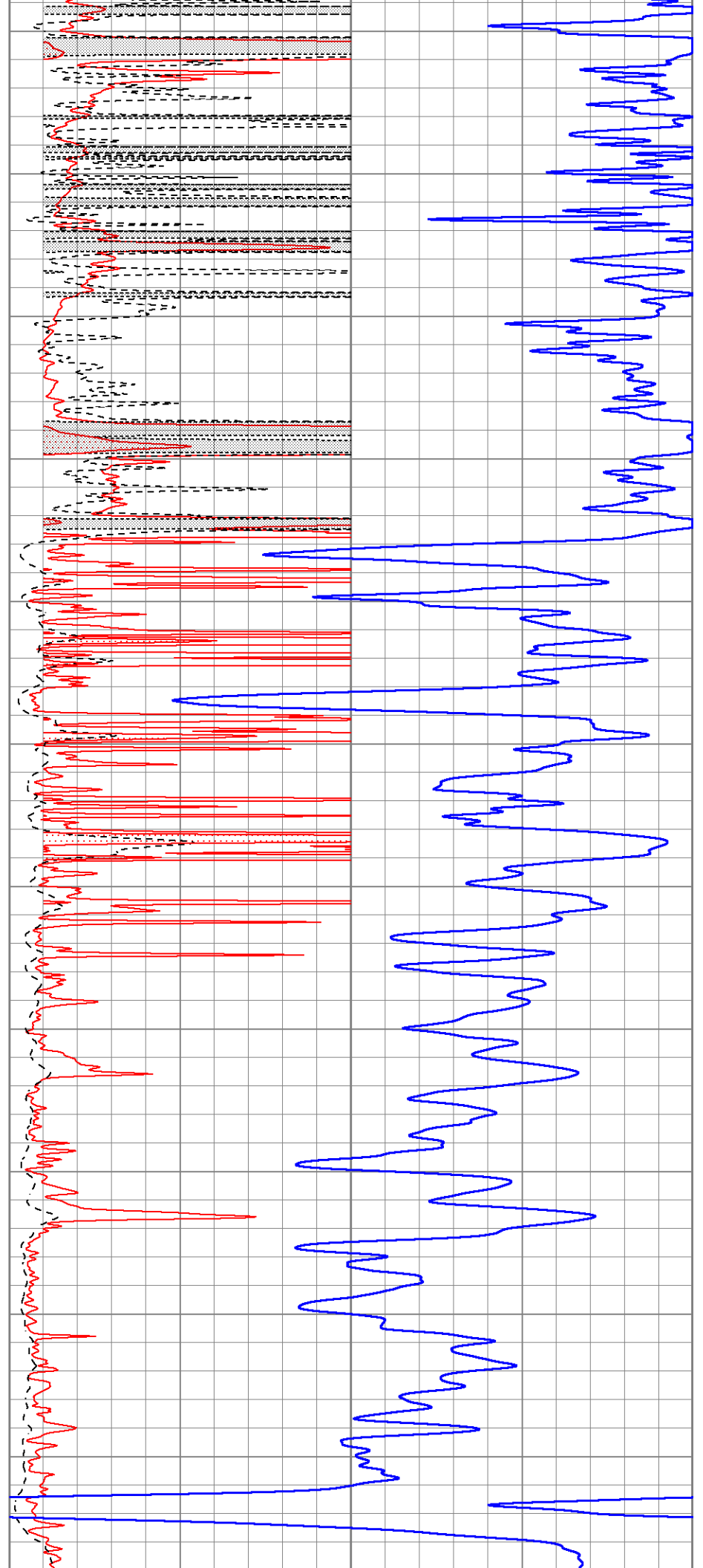


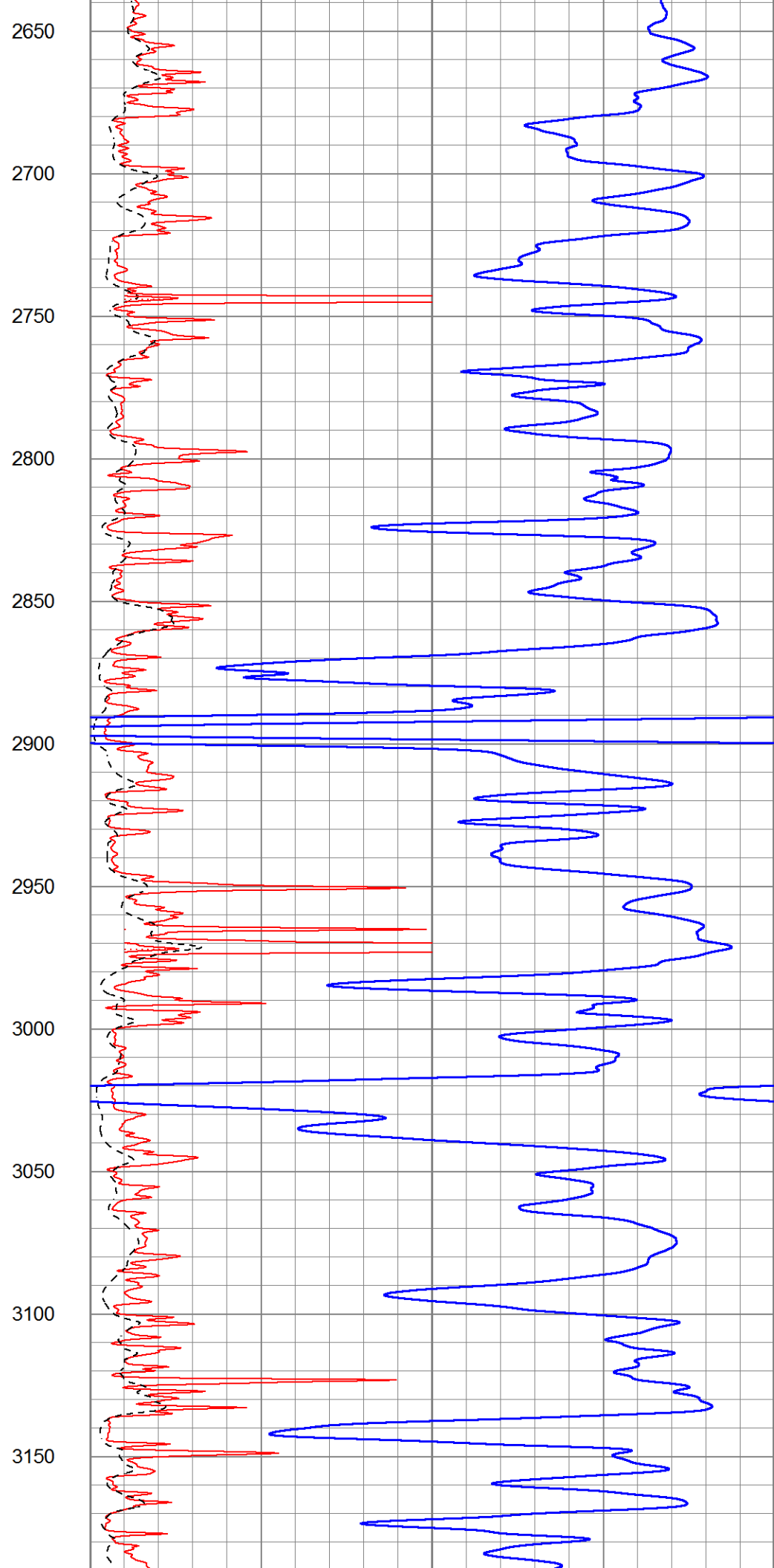
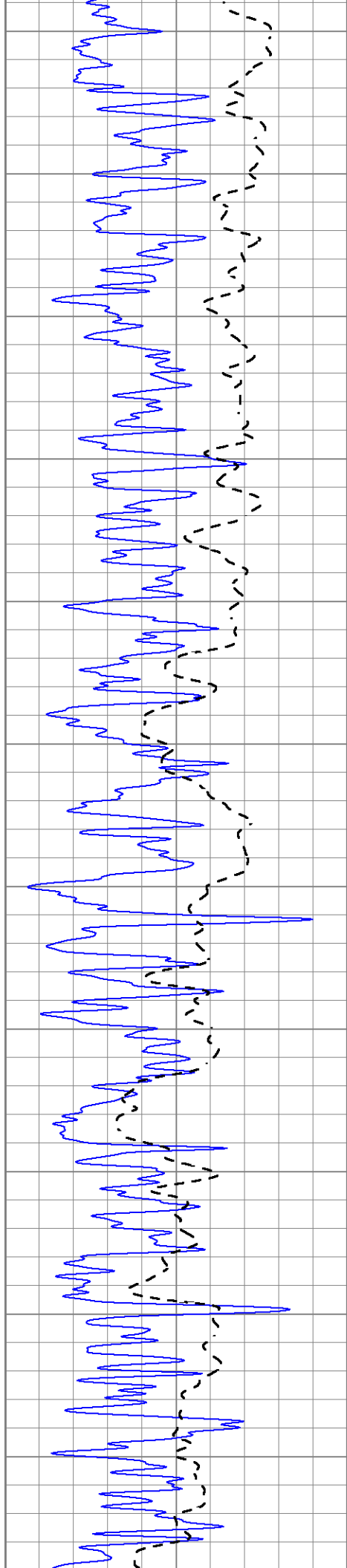




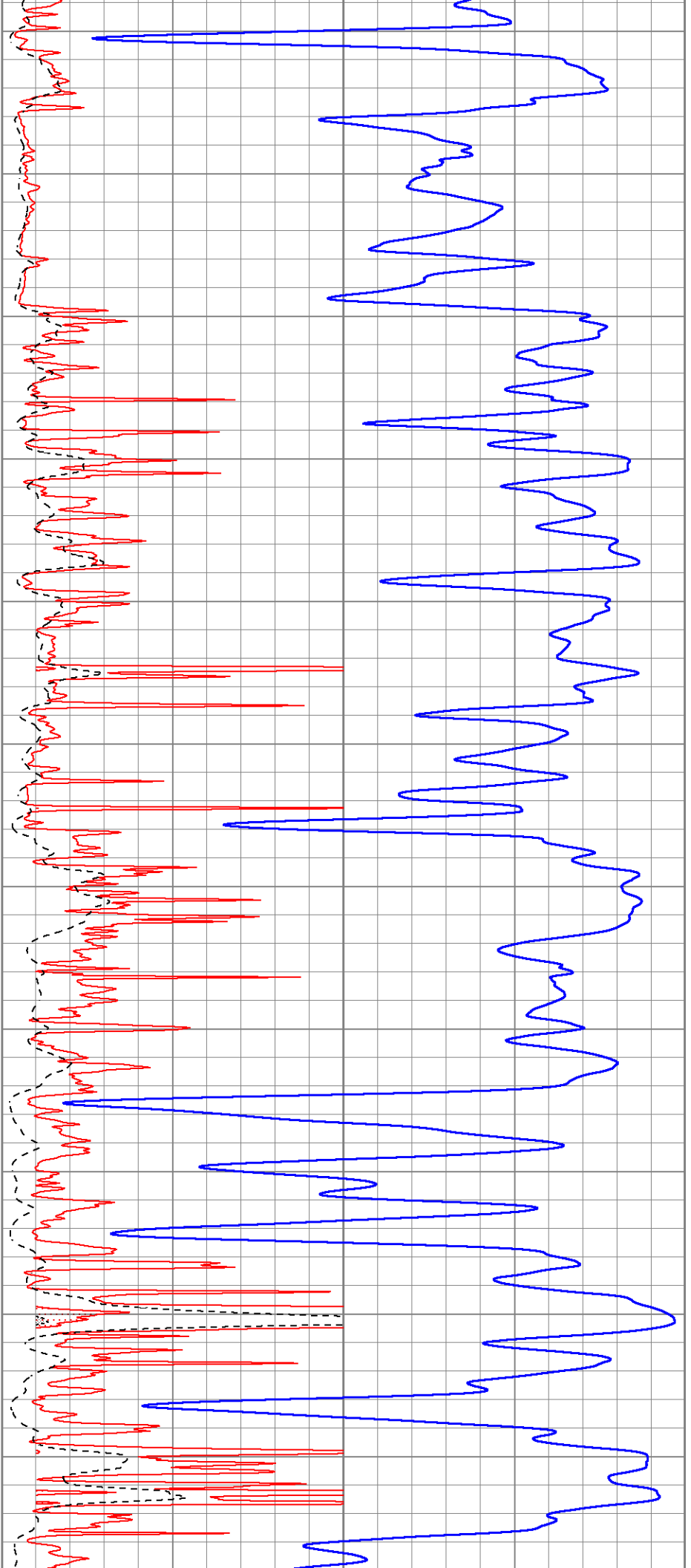
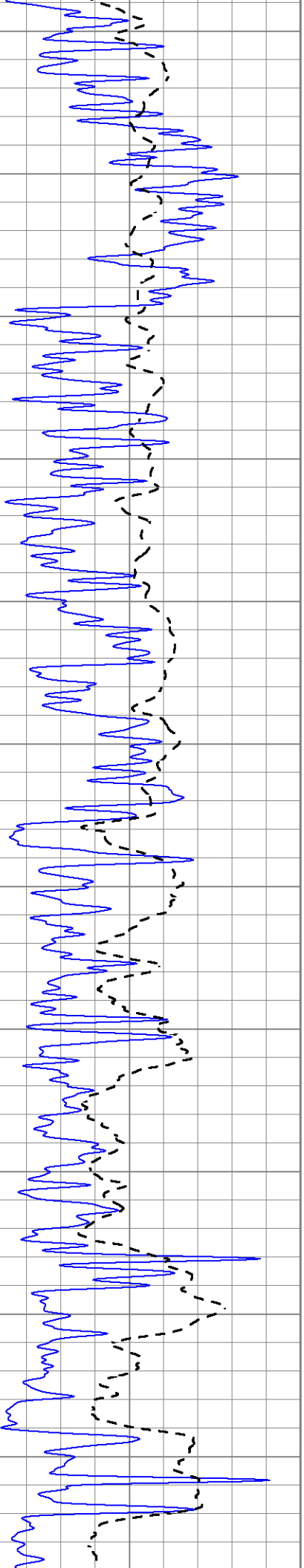


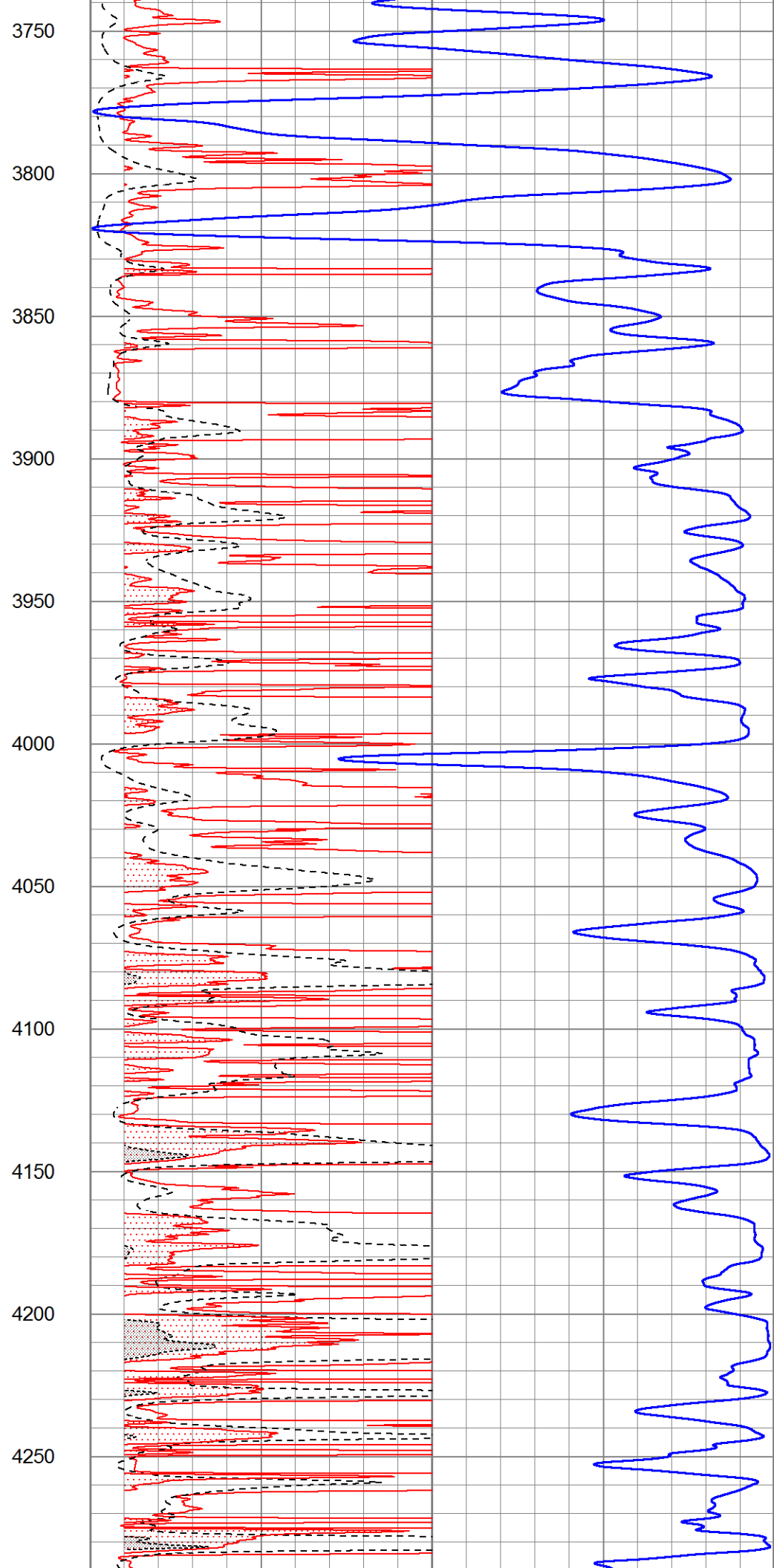
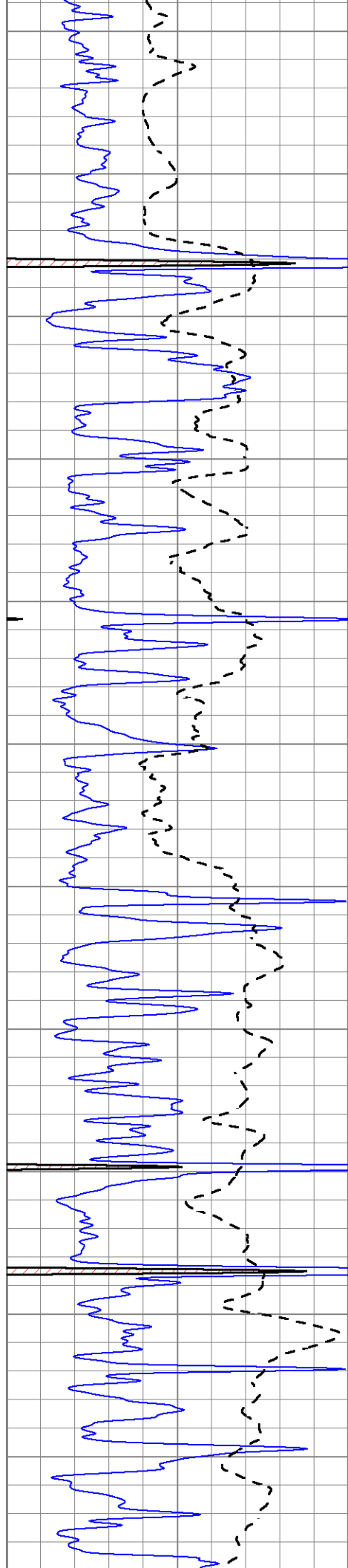
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2200
2250
2300
2350
2400
2450
2500
2550
2600

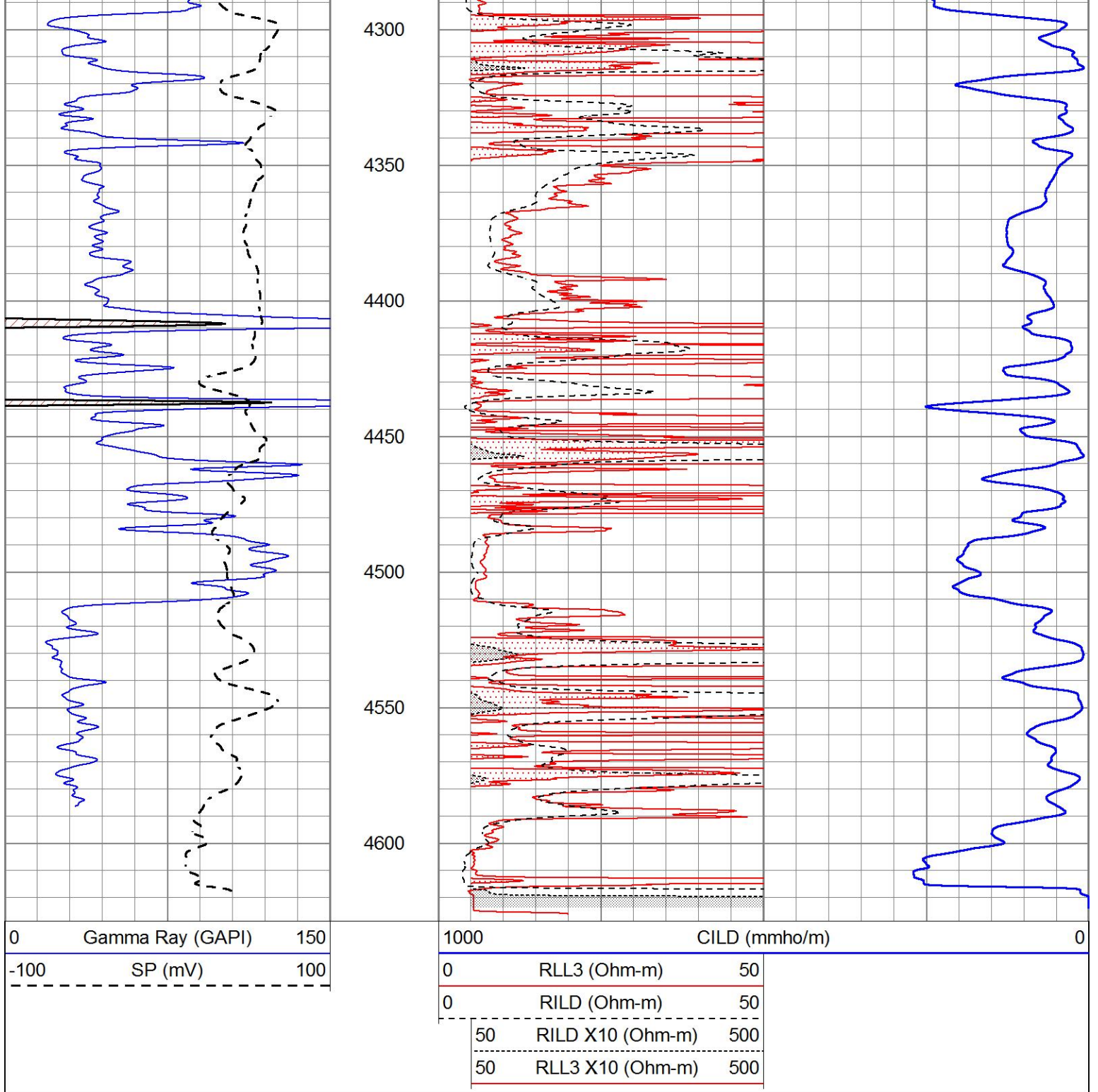




3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700





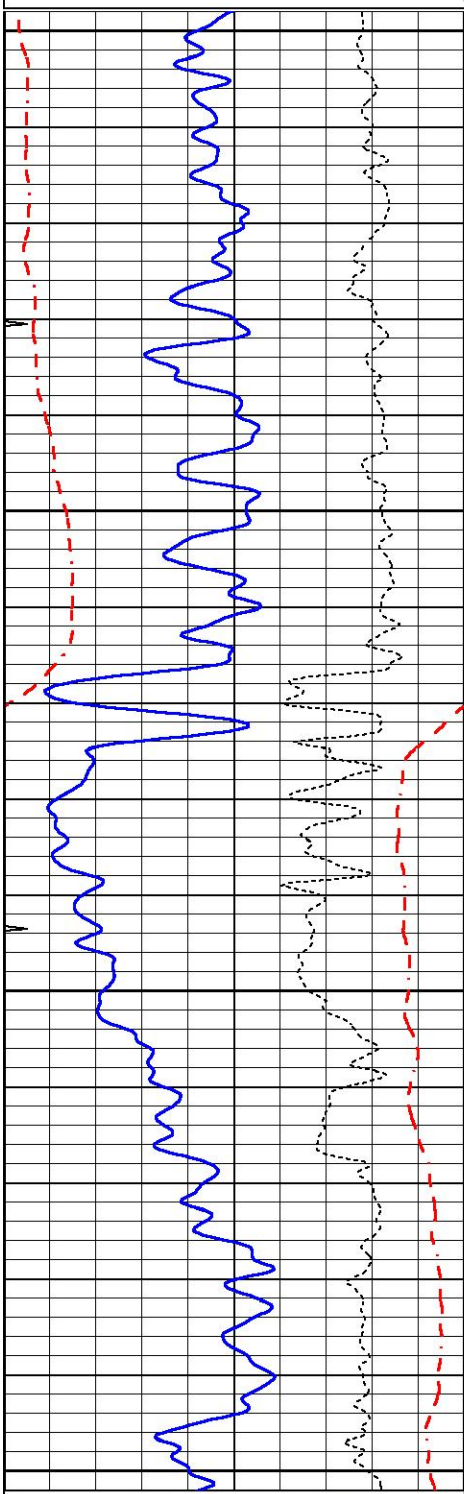


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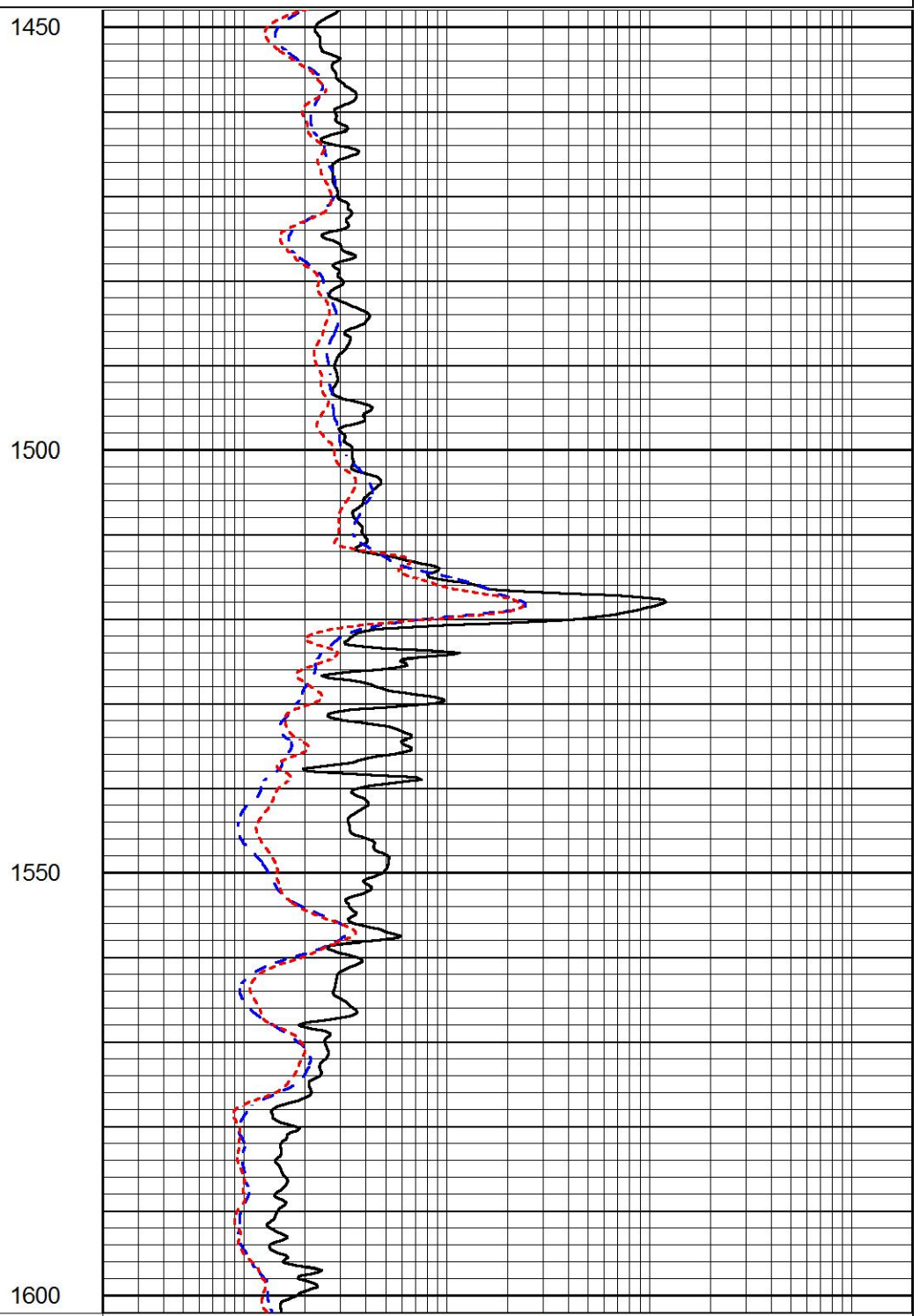
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 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000

0 MINMK 20



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



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

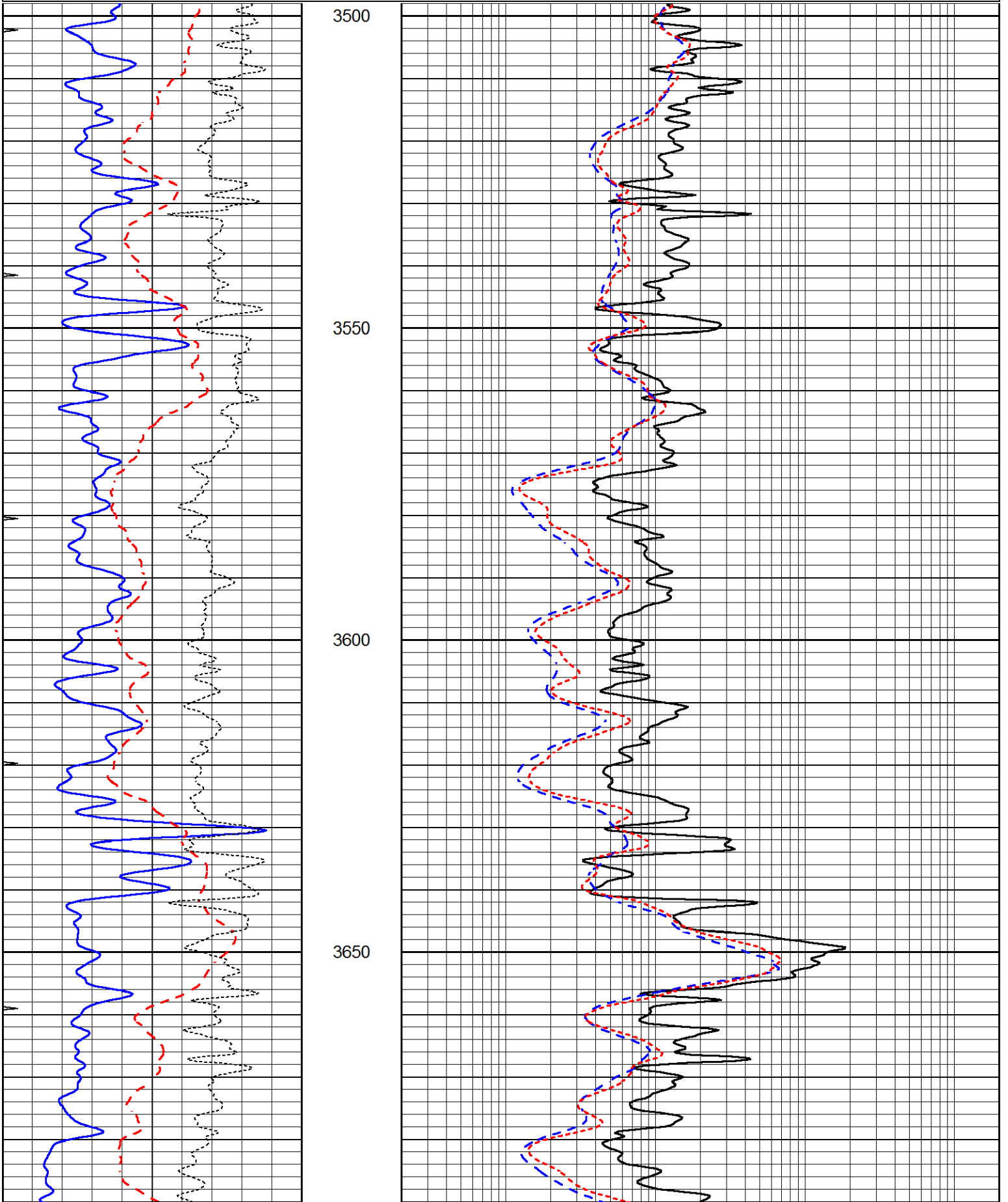


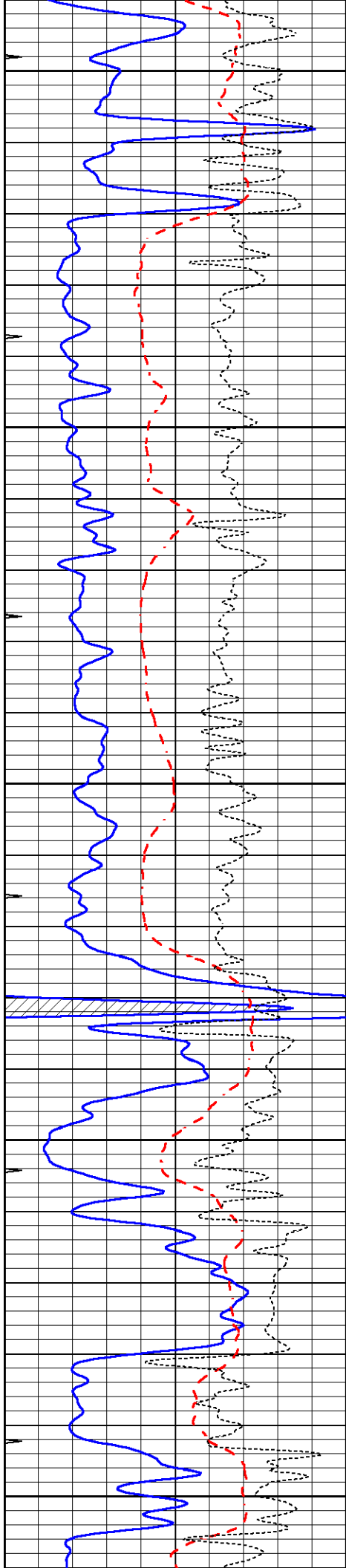
MAIN SECTION

Database File 6552ddn.db
 Dataset Pathname pass3.1M
 Presentation Format _dil
 Dataset Creation Fri May 20 11:29:13 2022

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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





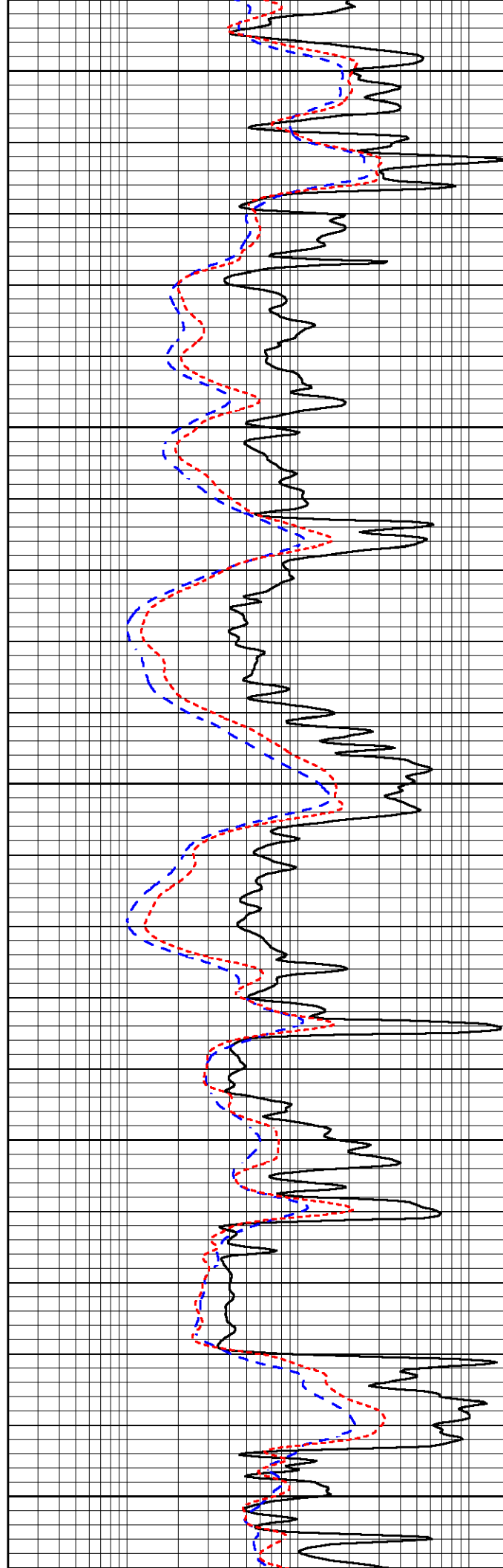
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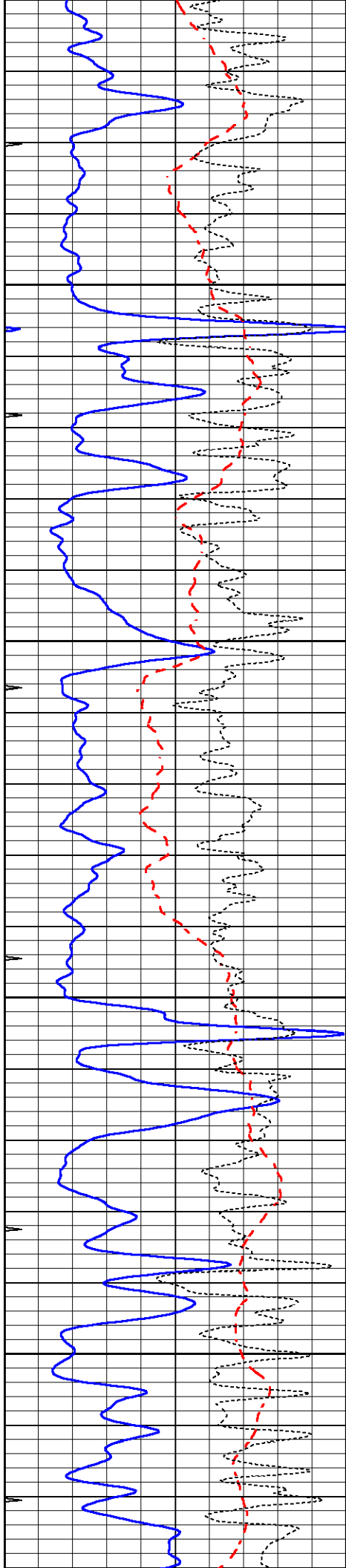
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3800

3850

3900



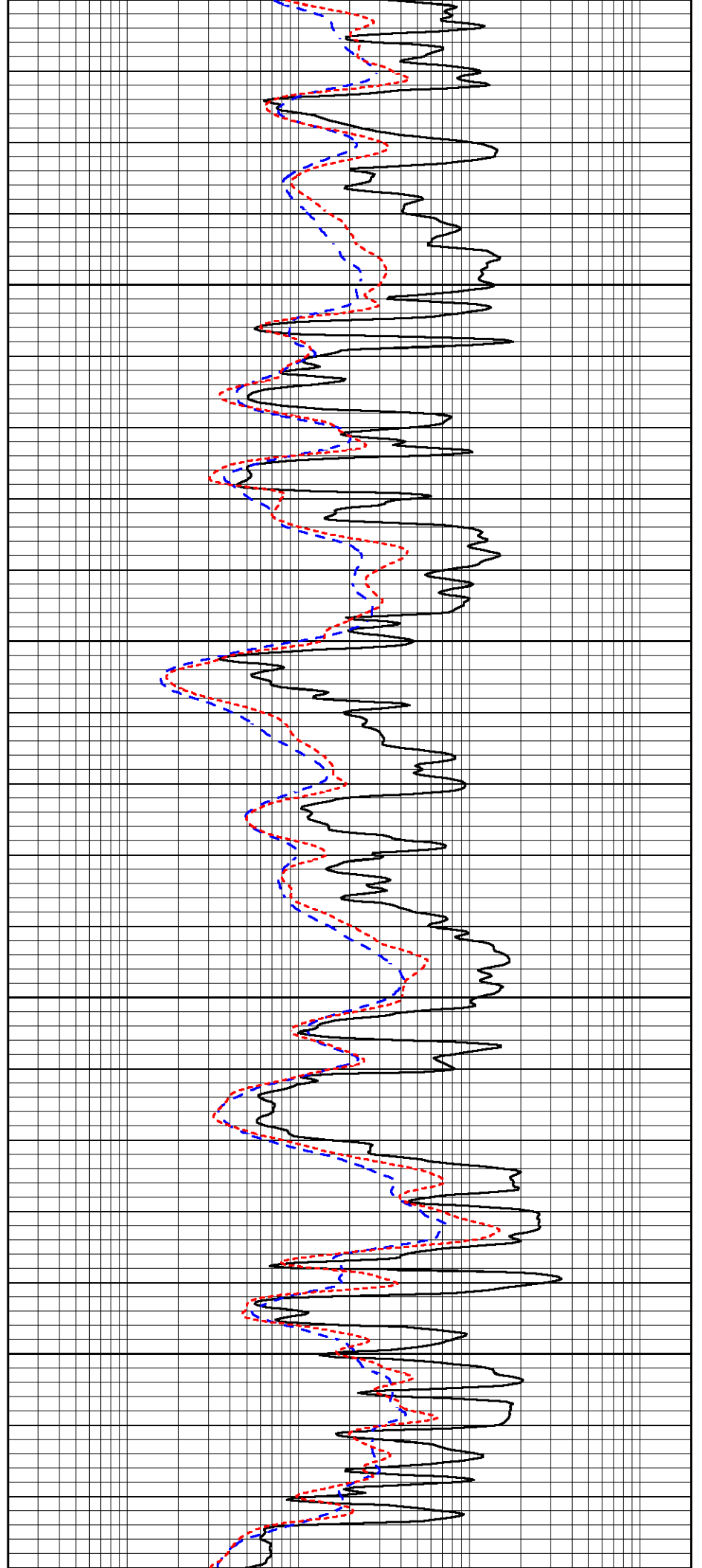


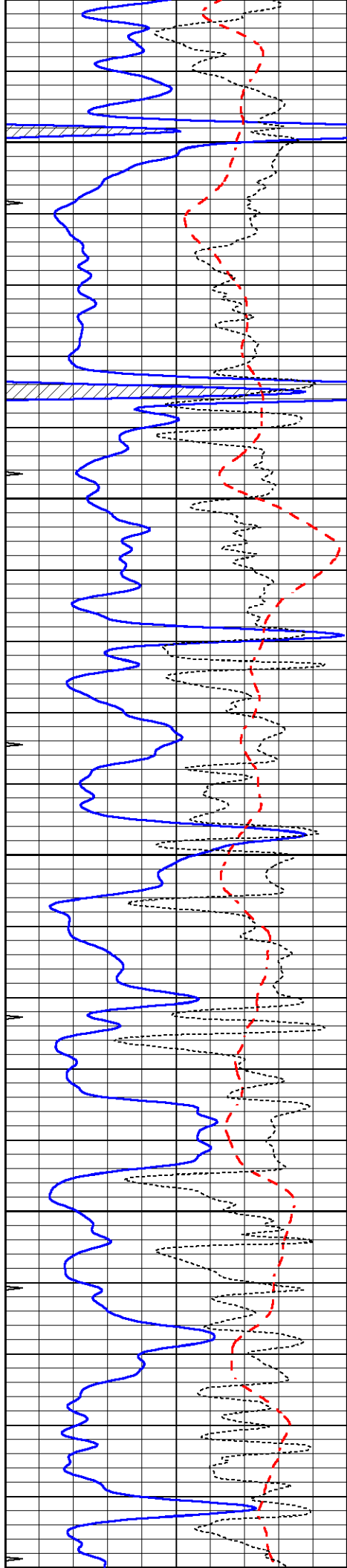
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4000

4050

4100





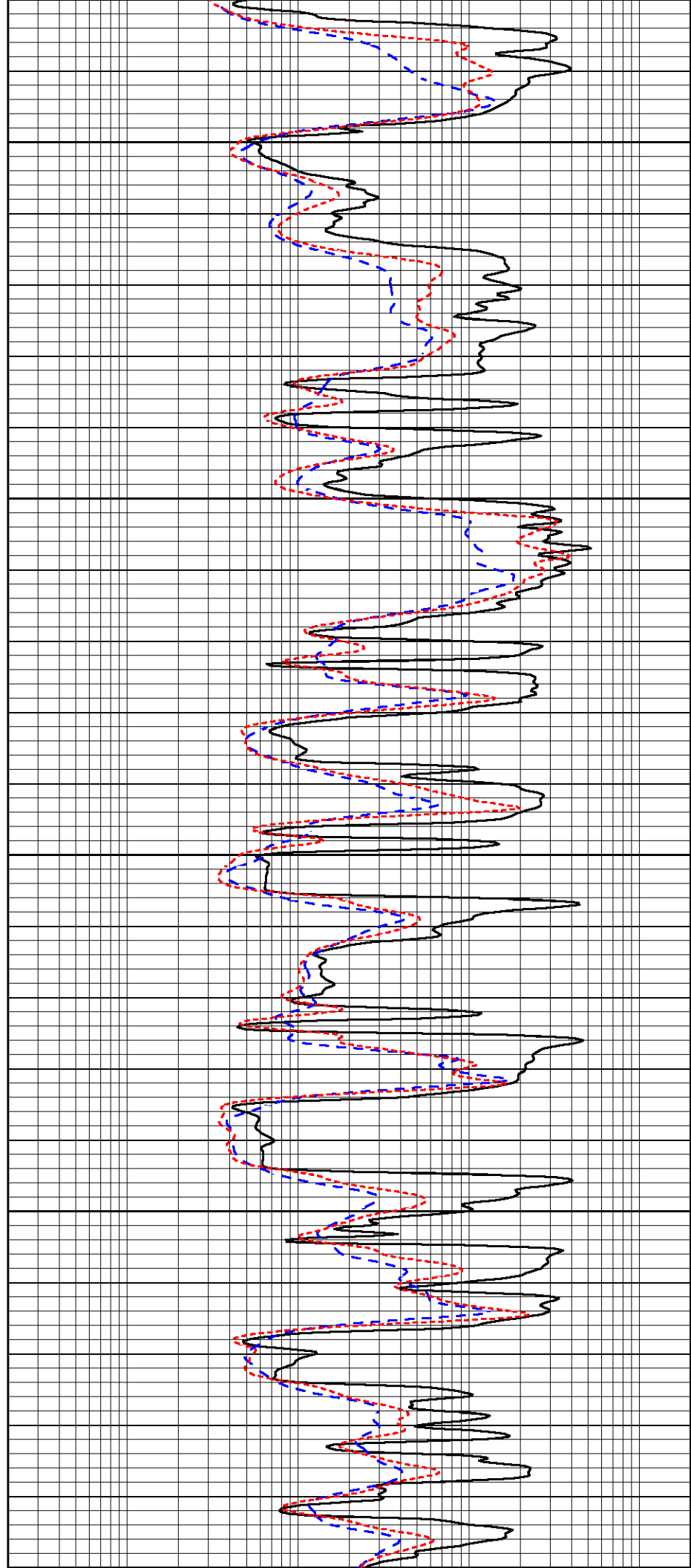
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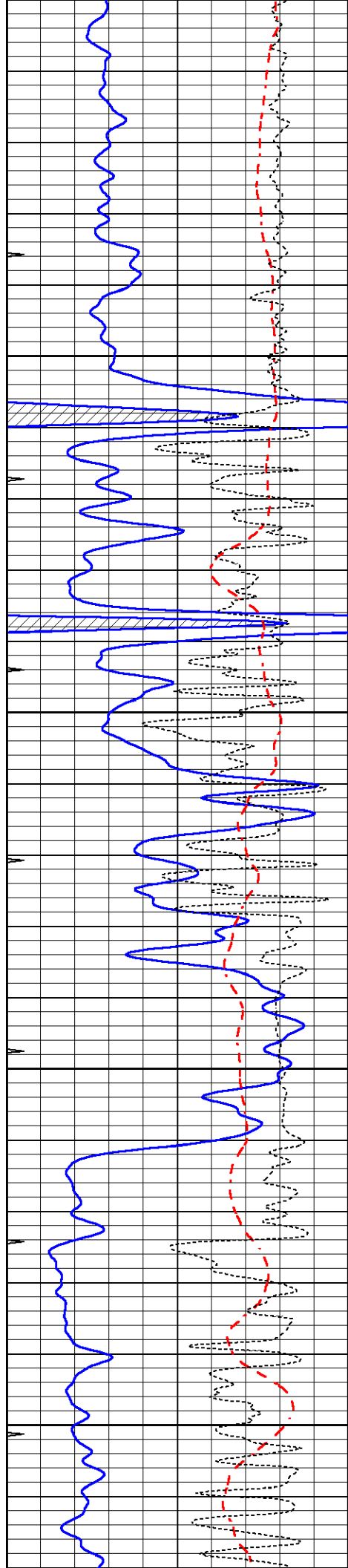
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4250

300

4350





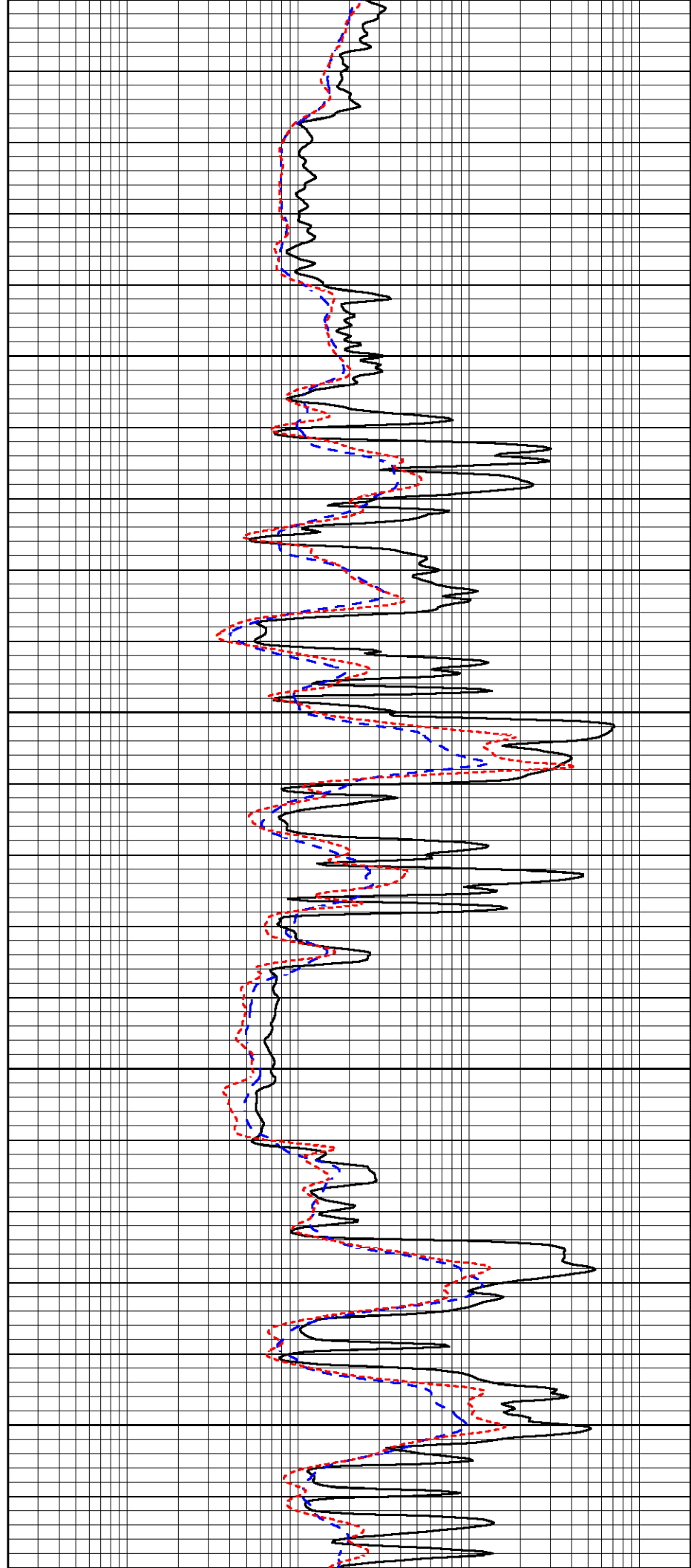
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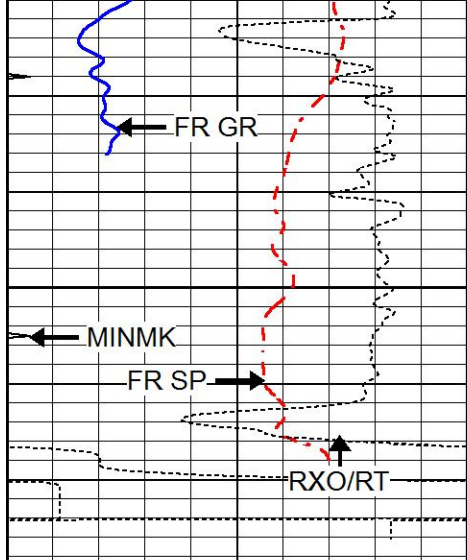
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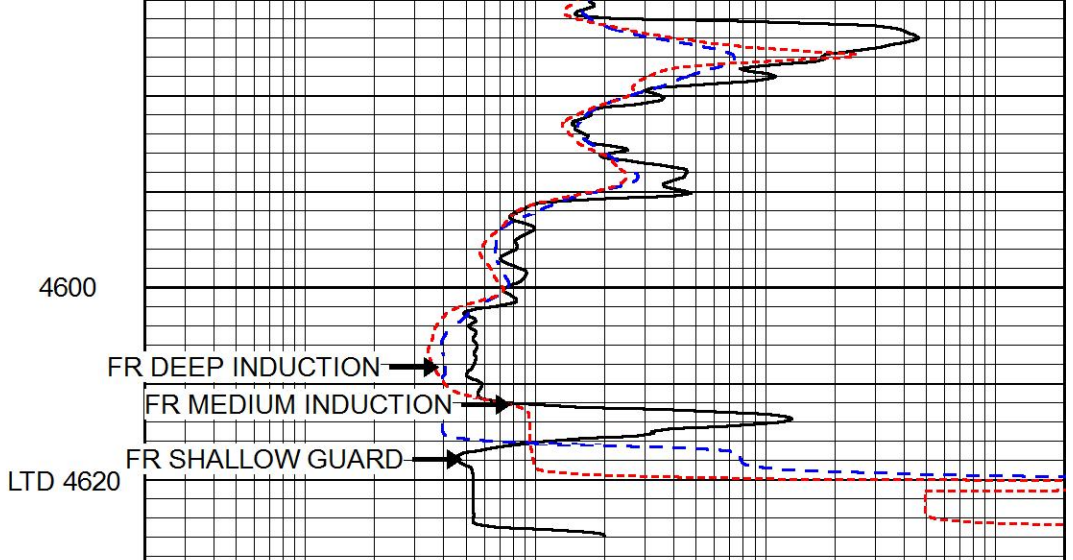
4500

4550





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



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

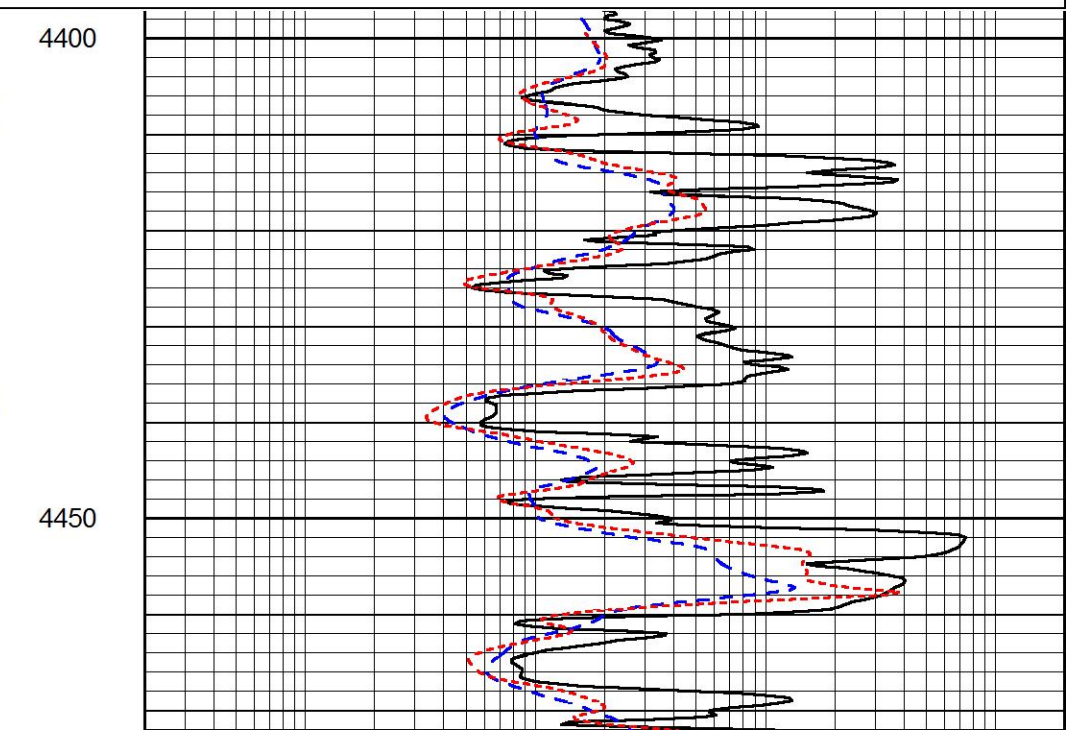
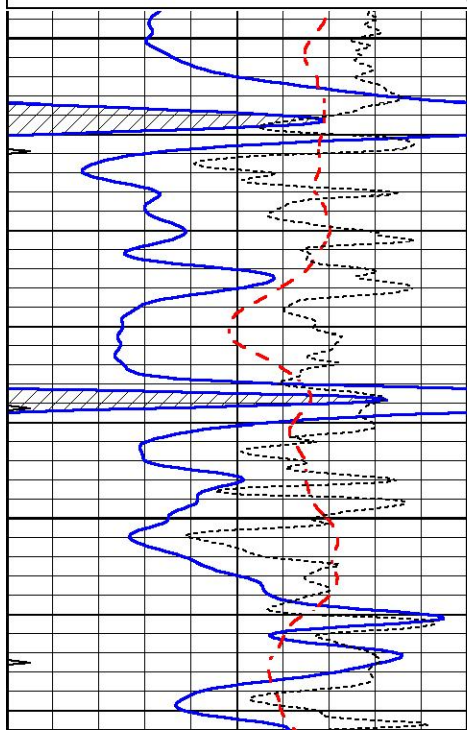


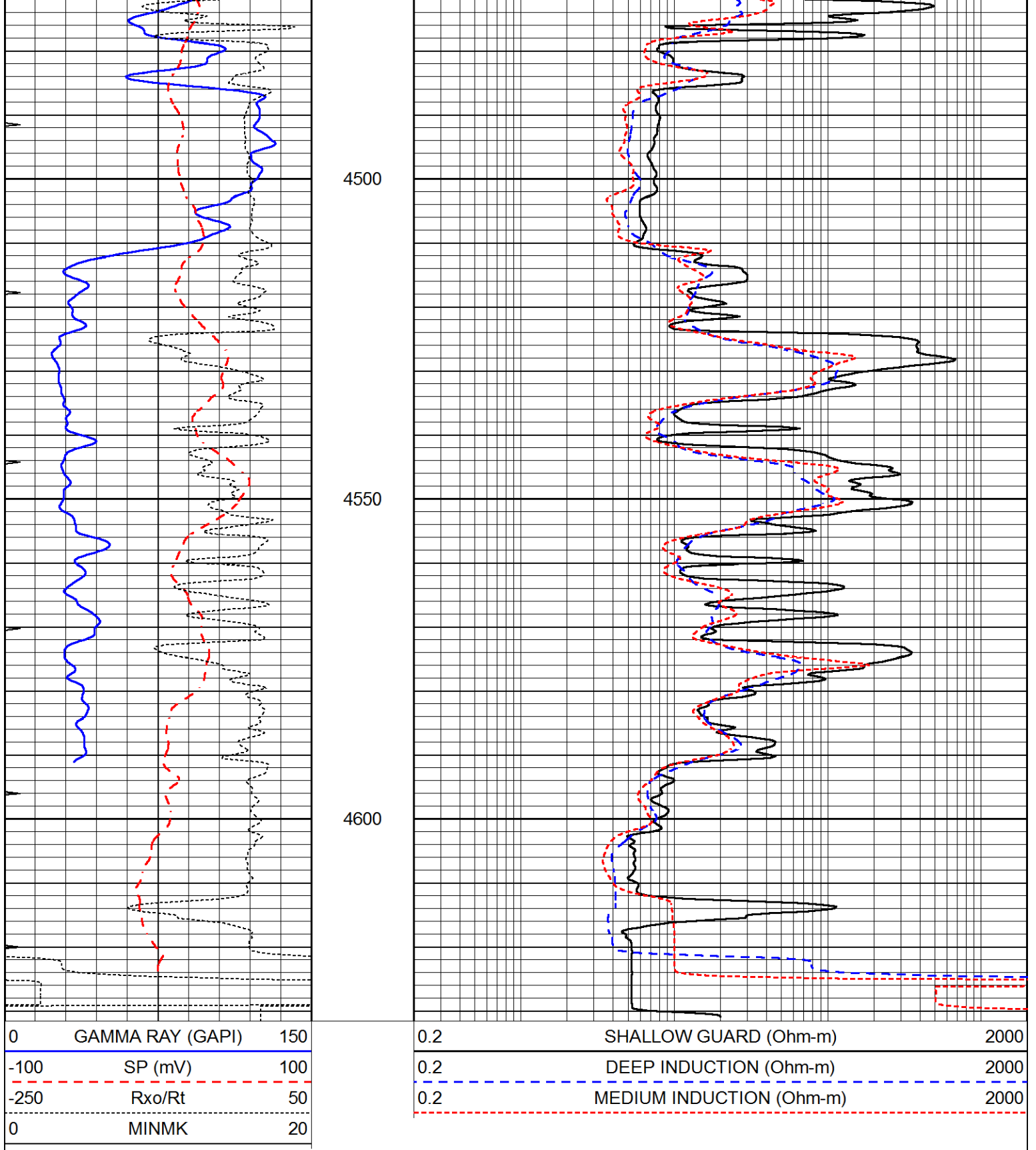
REPEAT SECTION

Database File 6552ddn.db
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 Presentation Format _dil
 Dataset Creation Fri May 20 11:32:27 2022
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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





Calibration Report

Database File 6552ddn.db
 Dataset Pathname pass3.1M
 Dataset Creation Fri May 20 11:29:13 2022

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Thu May 19 01:03:14 2022
Downhole Cal Performed:	Mon Sep 10 14:28:38 2018

Surface Calibration								
Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	600.000	0.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration								
	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report
Serial: 001N Model: PRB

Master Calibration					Performed Thu Mar 19 11:30:16 2020			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1572.2	7510.8	2837.3	2643.1				cps
Window 2	1446.2	6523.9	2552.8	2409.9				cps
Window 3	1060.9	3611.4	1731.5	1684.8				cps
Window 4	145.5	363.4	363.2	368.1				cps
Long Space	0.0	5077.7	1106.6	963.7				cps
Short Space	3.1	1709.3	1103.4	916.9				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 44.0	Rib Slope	: 0.965	Density/Spine Ratio				: 0.555
Spine Angle	: 74.0	Spine Slope	: 3.481	Spine Intercept				: -17.4

Before Survey Verification					Performed Wed Dec 31 18:00:00 1969			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	0.0	0.0	0.0	0.0				cps
Window 2	0.0	0.0	0.0	0.0				cps
Window 3	0.0	0.0	0.0	0.0				cps
Window 4	0.0	0.0	0.0	0.0				cps
Long Space	0.0	0.0	0.0	0.0				cps
Short Space	0.0	0.0	0.0	0.0				cps
Measured Rho		0.0000	0.0000	0.0000				g/cc
Measured Correction		0.0000	0.0000	0.0000				q/cc

Measured Pe

0.0000

0.0000

After Survey Verification

Performed Wed Dec 31 18:00:00 1969

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report

Serial Number: 6I
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	1.00 cps	1.00 cps	1.0000
Long Space	1.00 cps	1.00 cps	1.0000

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
1) Short Space	cps		
Long Space	cps	pu	pu
2) Short Space	cps		
Long Space	cps	pu	
3) Short Space	cps		
Long Space	cps	pu	

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
1) Short Space	cps		
Long Space	cps	pu	pu
2) Short Space	cps		
Long Space	cps	pu	pu
3) Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number: GR6
Tool Model: OPEN
Performed: Thu May 19 01:02:38 2022

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 276.0 cps

Sensitivity: 0.7500 GAPI/cps

SENSITIVITY: GROUPS

1. The sensitivity of a group is the ability of the group to detect and respond to changes in its environment.

2. Sensitivity is a function of the group's structure, processes, and resources.

3. Sensitivity is a function of the group's ability to adapt to change.

4. Sensitivity is a function of the group's ability to learn from experience.

5. Sensitivity is a function of the group's ability to communicate effectively.

6. Sensitivity is a function of the group's ability to coordinate its actions.

7. Sensitivity is a function of the group's ability to resolve conflicts.

8. Sensitivity is a function of the group's ability to manage change.

9. Sensitivity is a function of the group's ability to maintain cohesion.

10. Sensitivity is a function of the group's ability to perform effectively.

11. Sensitivity is a function of the group's ability to achieve its goals.

12. Sensitivity is a function of the group's ability to survive.

13. Sensitivity is a function of the group's ability to thrive.

14. Sensitivity is a function of the group's ability to flourish.

15. Sensitivity is a function of the group's ability to prosper.

16. Sensitivity is a function of the group's ability to succeed.

17. Sensitivity is a function of the group's ability to excel.

18. Sensitivity is a function of the group's ability to triumph.

19. Sensitivity is a function of the group's ability to conquer.

20. Sensitivity is a function of the group's ability to reign supreme.