



DUAL INDUCTION LOG

Company	PALOMINO PETROLEUM	Company	PALOMINO PETROLEUM
Well	BEAVER #1	Well	BEAVER #1
Field	BEAVER SOUTH	Field	BEAVER SOUTH
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	API # : 15-009-26315-0000 763' FSL & 590' FEL	Other Services CDL/CNL ML	
Permanent Datum	SEC 20 TWP 16S RGE 12W	Elevation	
Log Measured From	GROUND LEVEL Elevation 1921	K.B. 1932	
Drilling Measured From	KELLY BUSHING 11' A.G.L. KELLY BUSHING	D.F. 1930	
		G.L. 1921	
Date	11/11/21		
Run Number	ONE		
Depth Driller	3452		
Depth Logger	3452		
Bottom Logged Interval	3450		
Top Log Interval	00		
Casing Driller	8 5/8" @ 456		
Casing Logger	456		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1/55		
pH / Fluid Loss	10.5/6.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.1 @ 60F		
Rmf @ Meas. Temp	.83 @ 60F		
Rmc @ Meas. Temp	1.32 @ 60F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.59 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	111F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	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

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

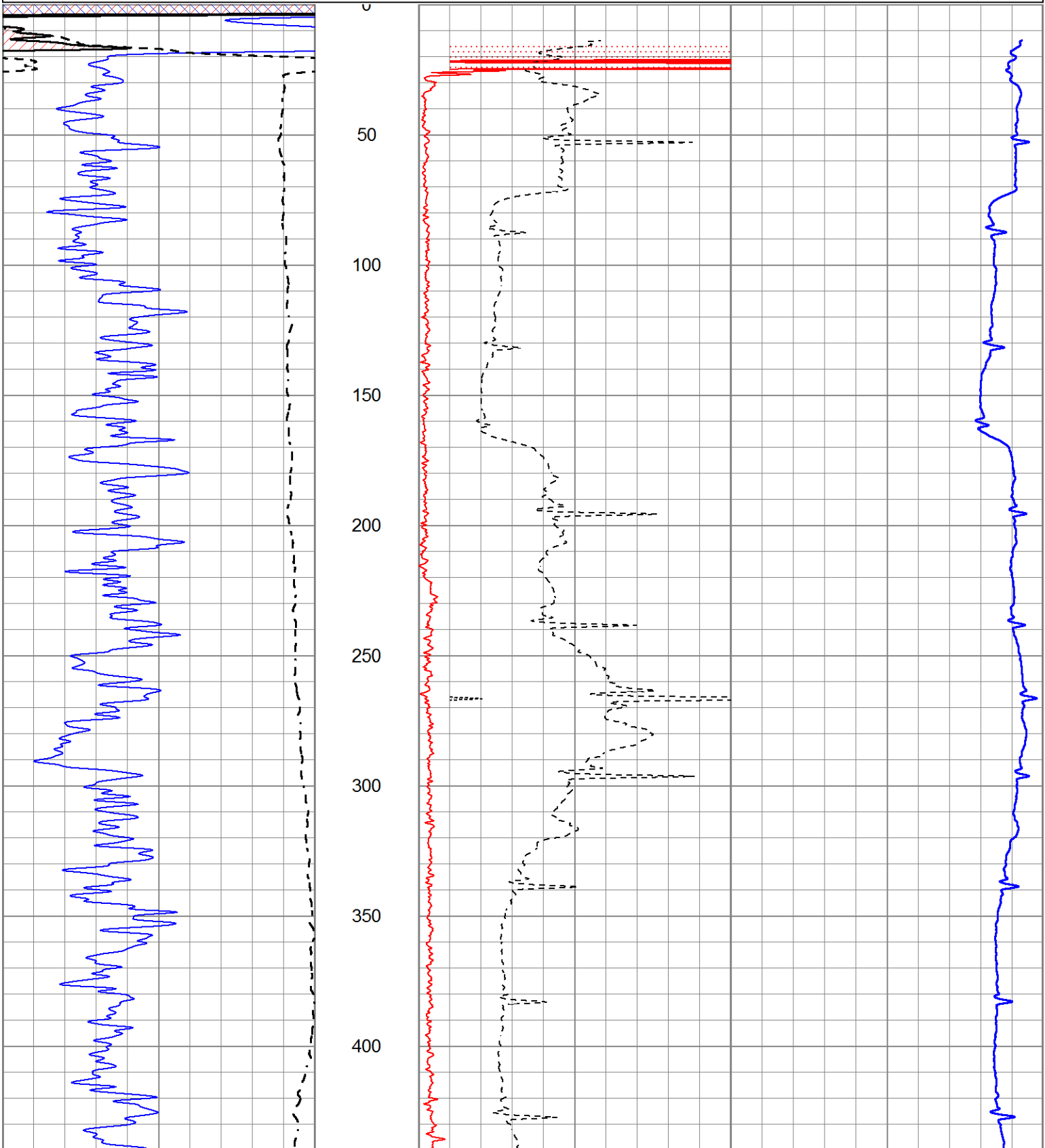
DIRECTIONS:MIDDLE OF BEAVER(WEST OF OLD SCHOOL)

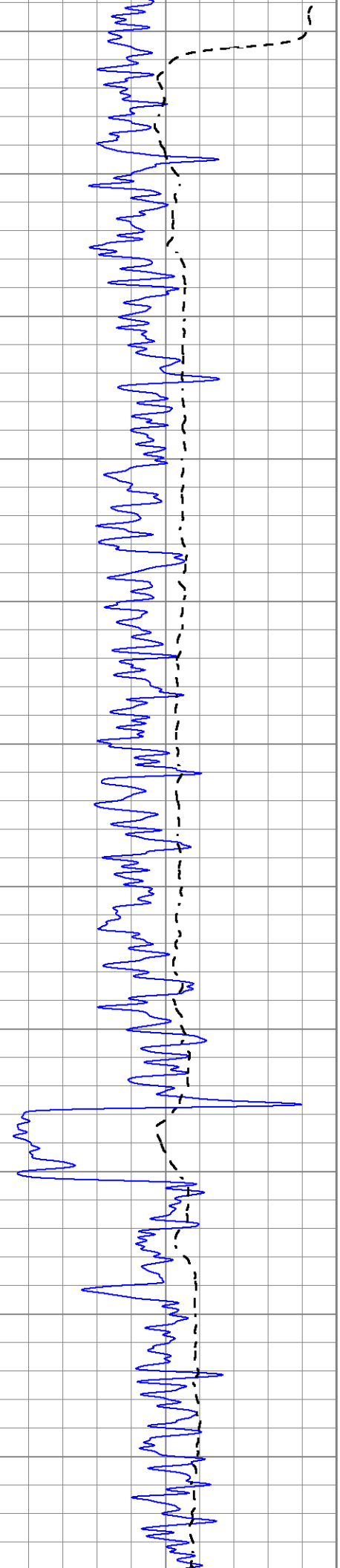
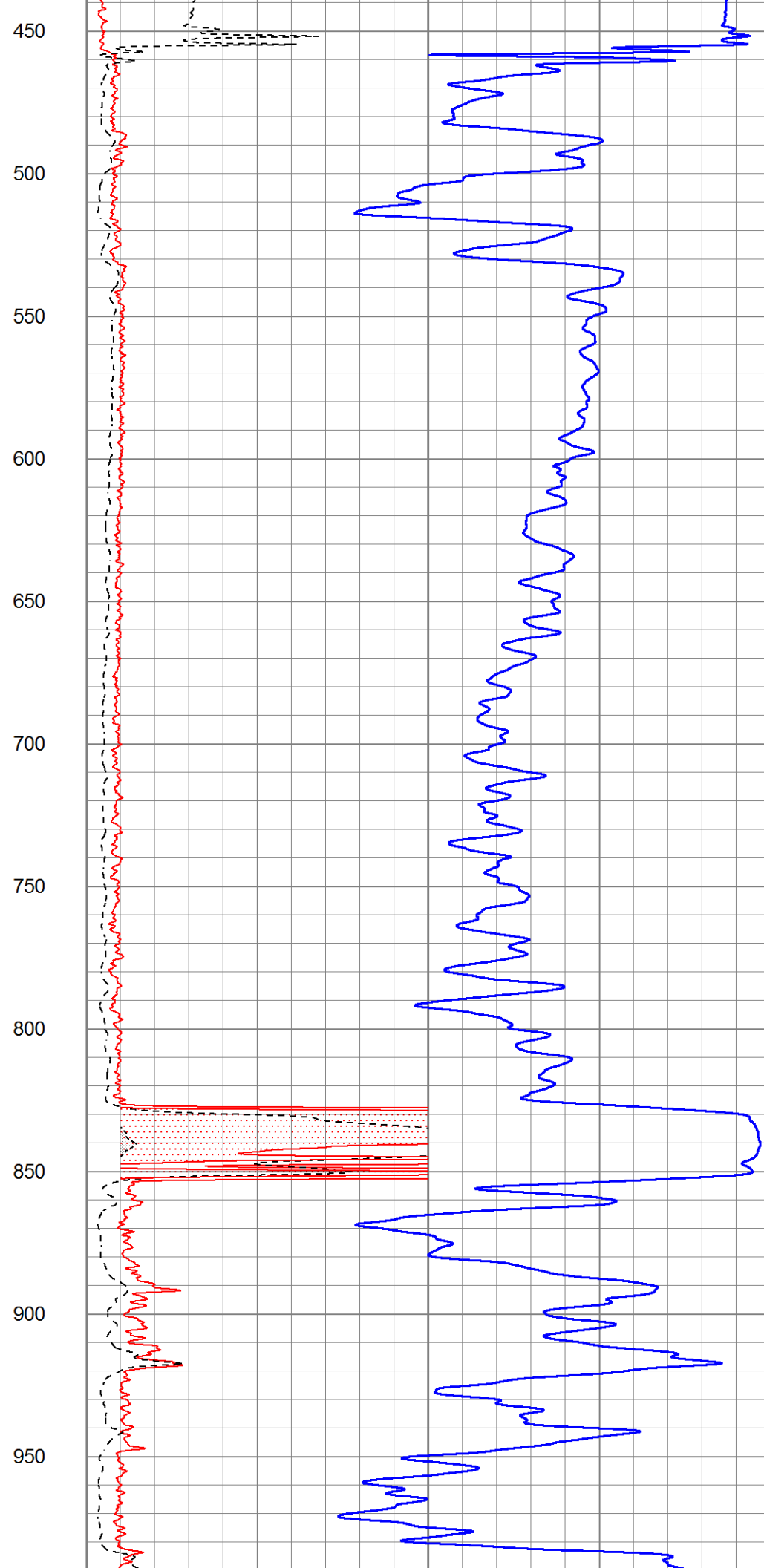


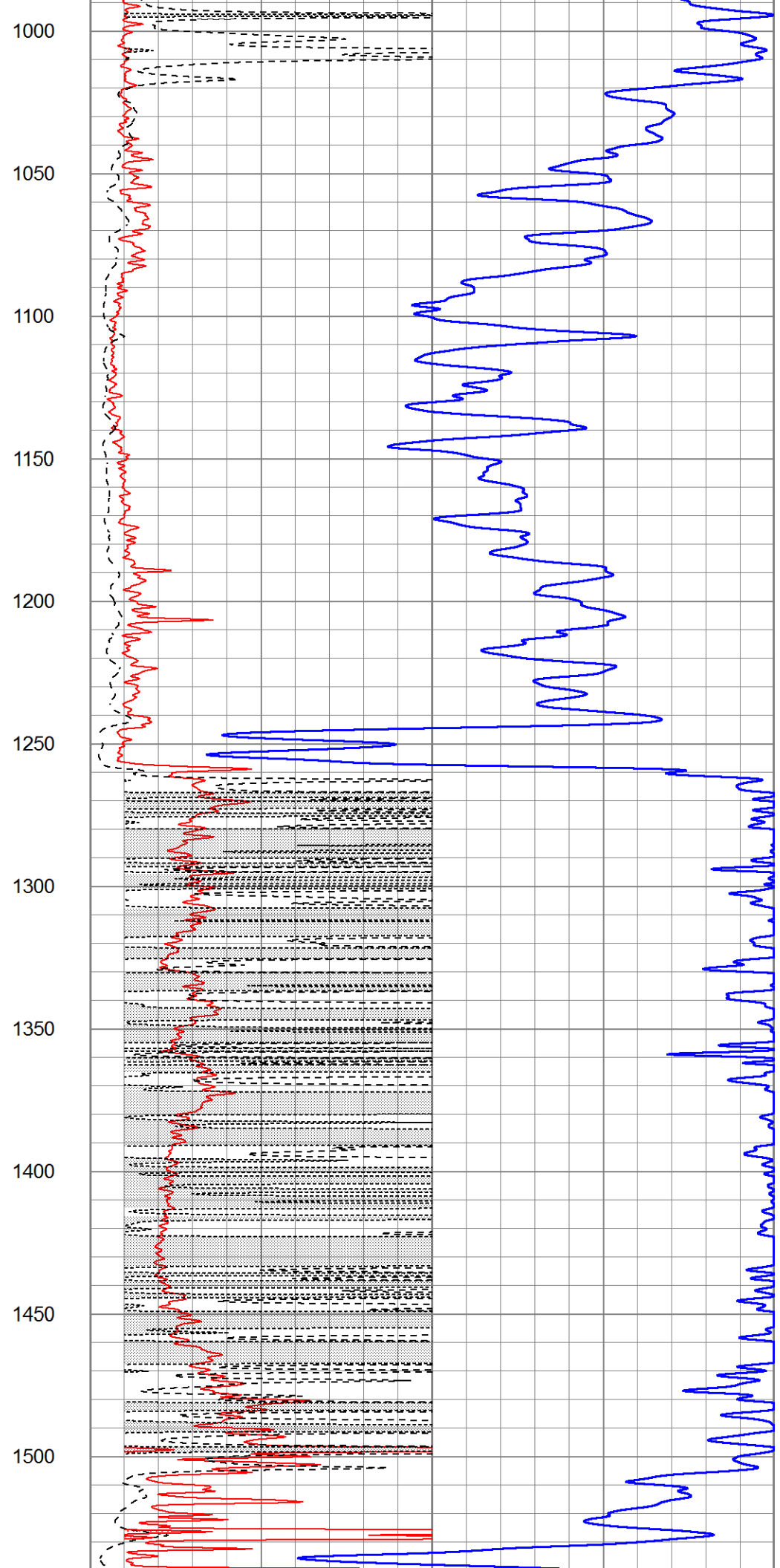
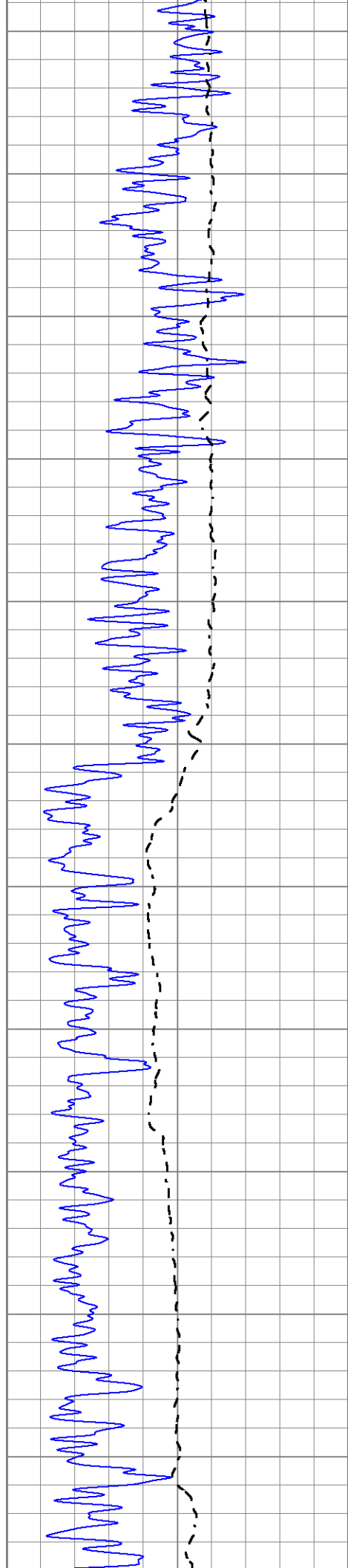
MAIN PASS

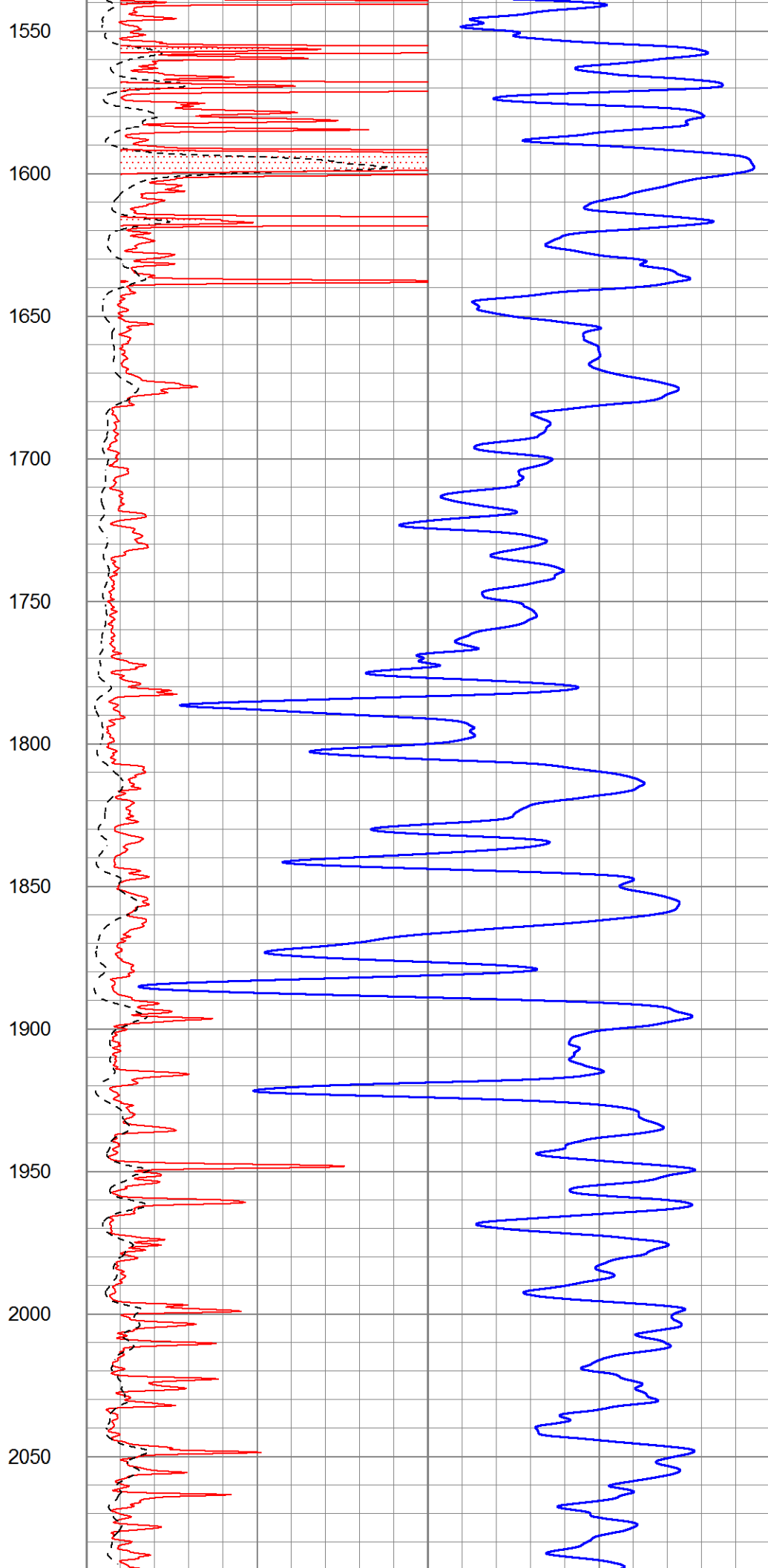
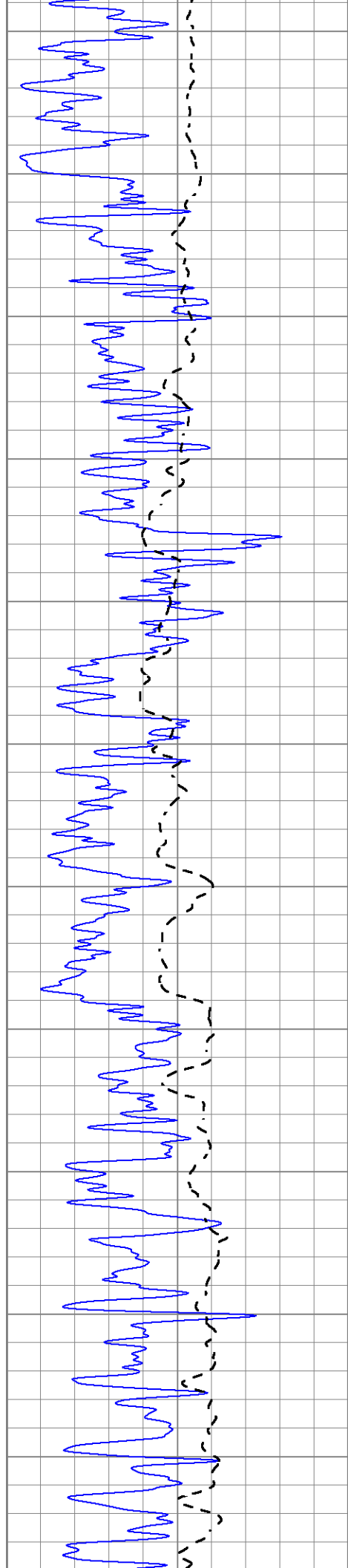
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Dataset Pathname	pass3.1
Presentation Format	_dil2
Dataset Creation	Thu Nov 11 10:20:53 2021
Charted by	Depth in Feet scaled 1:600

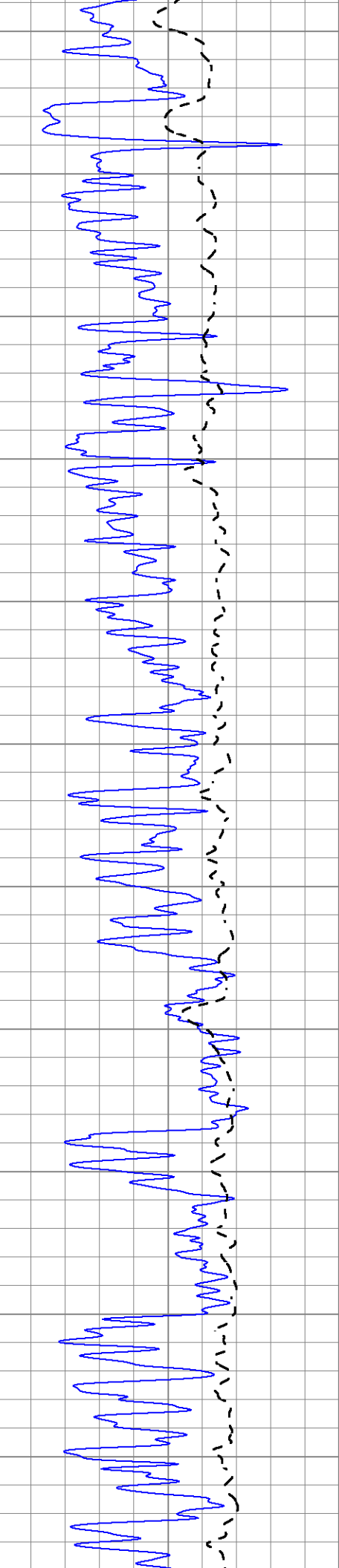
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500



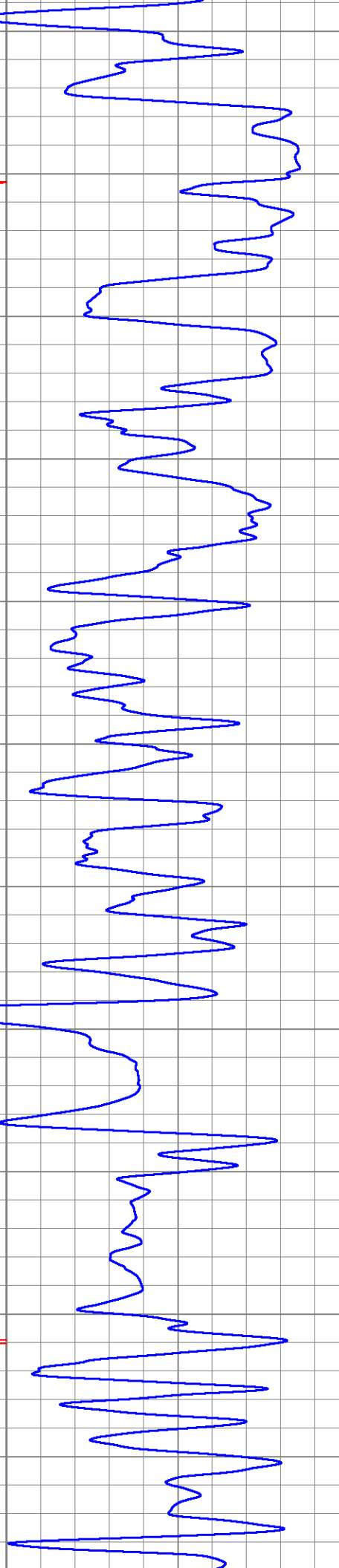
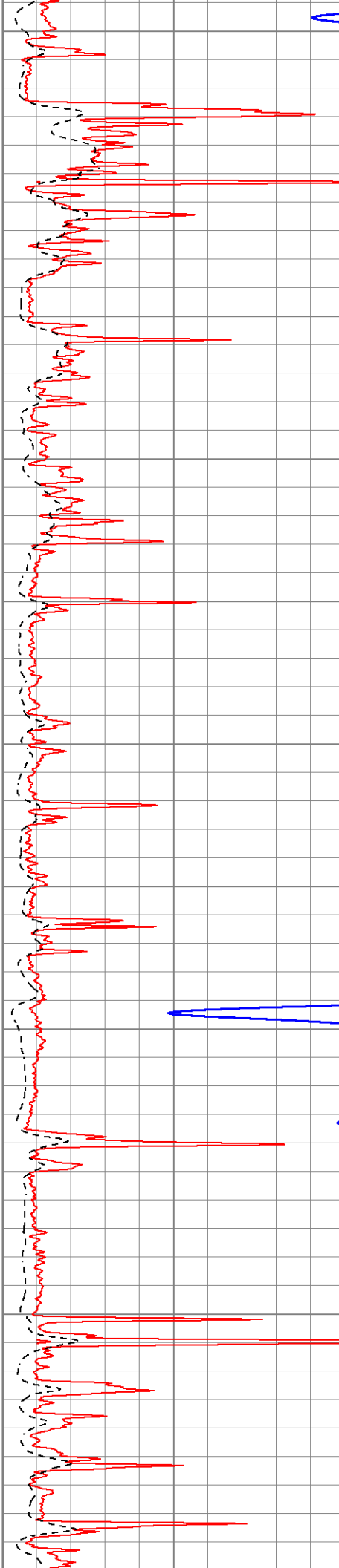


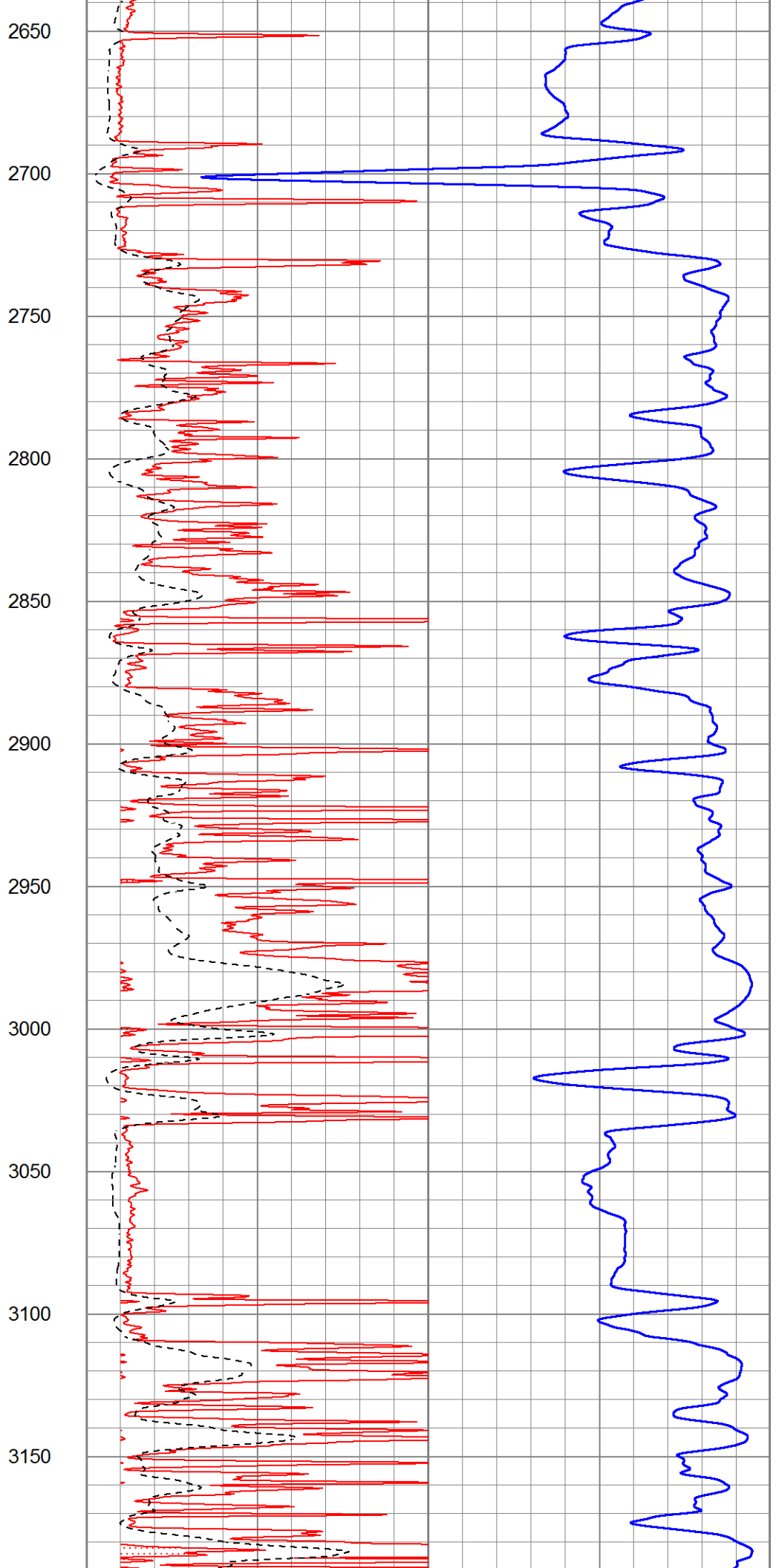
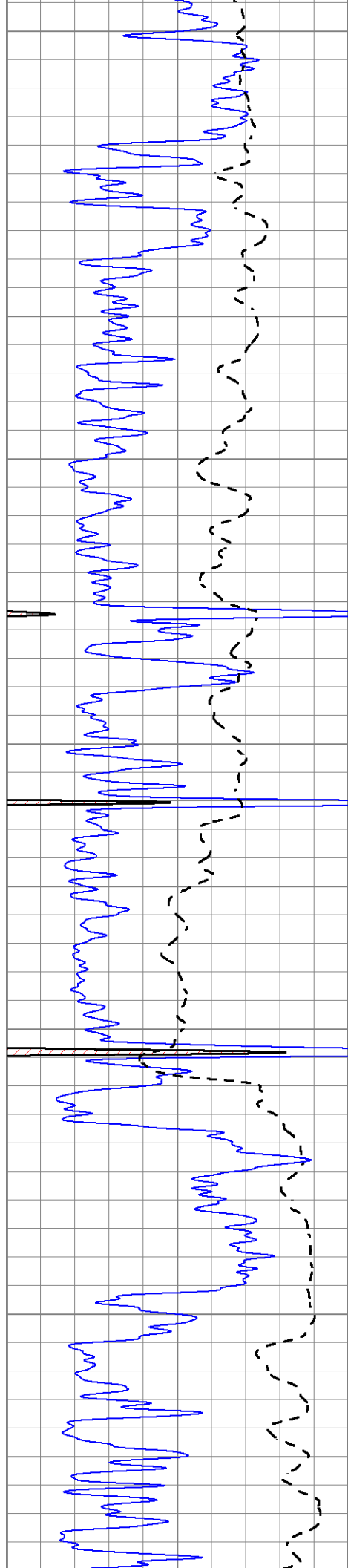


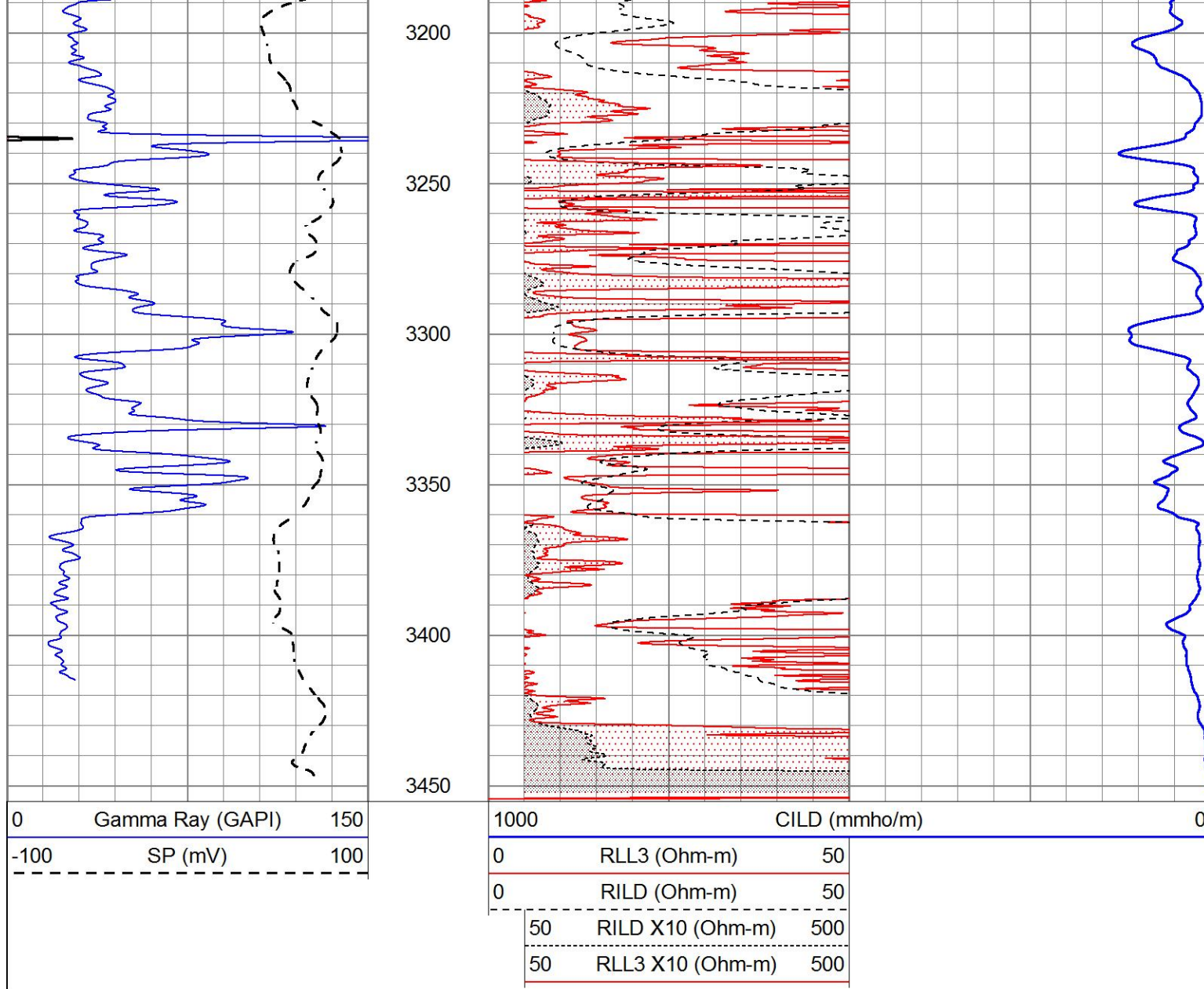




2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600





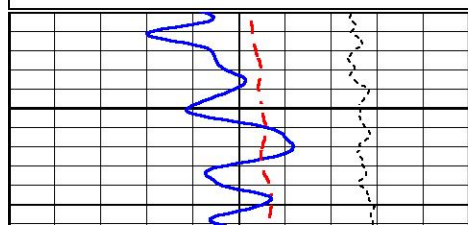


MAIN PASS

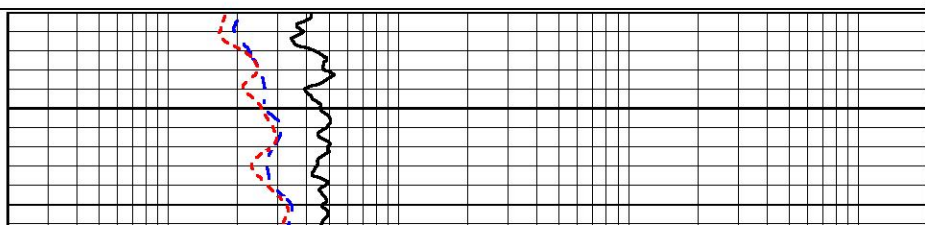
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 Presentation Format _dil
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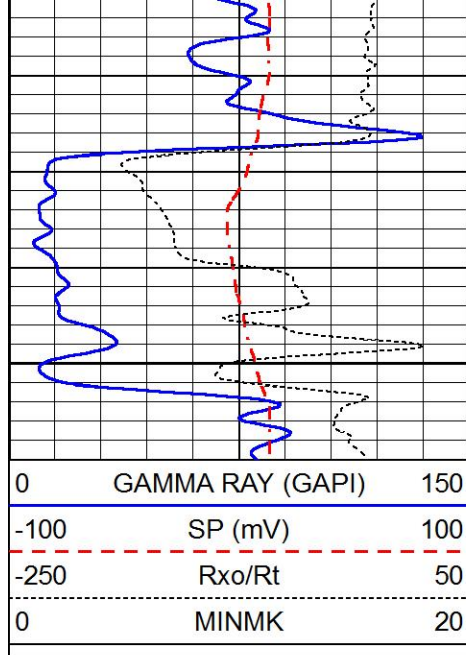
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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

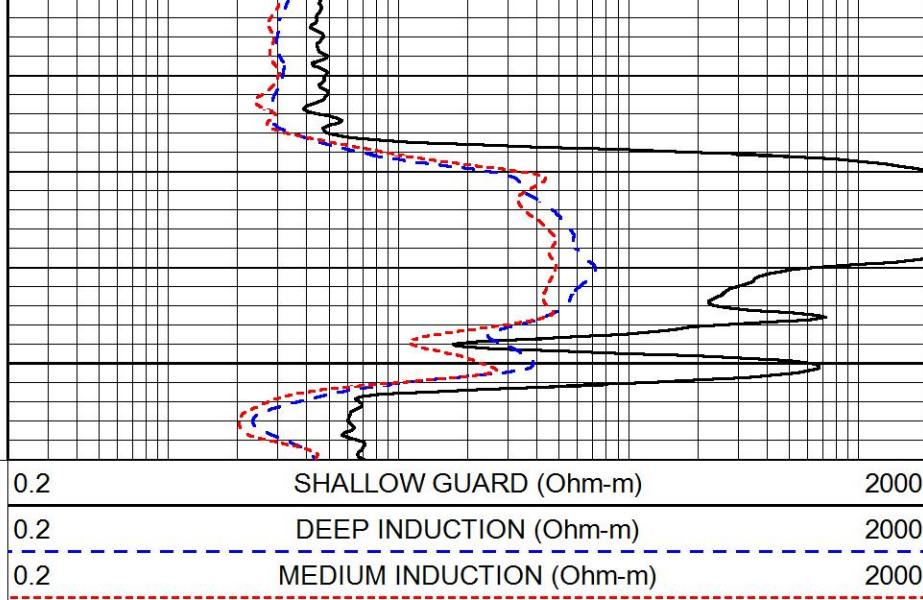


800



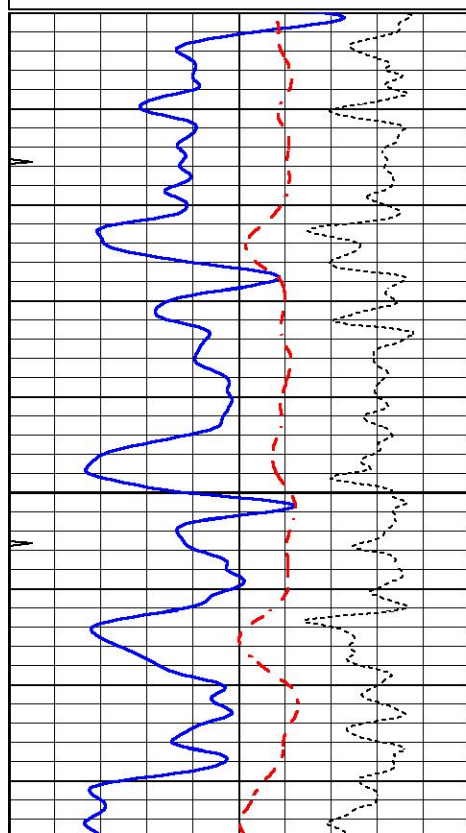
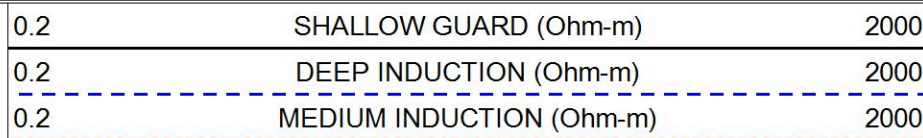
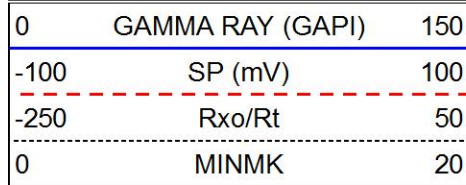


850



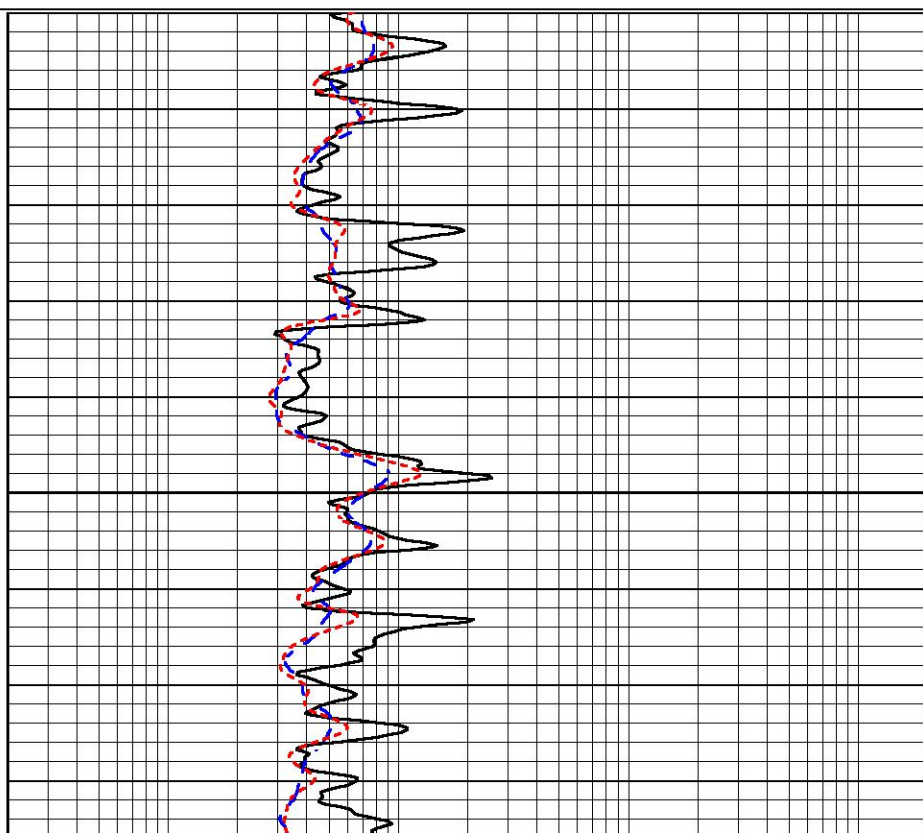
MAIN PASS

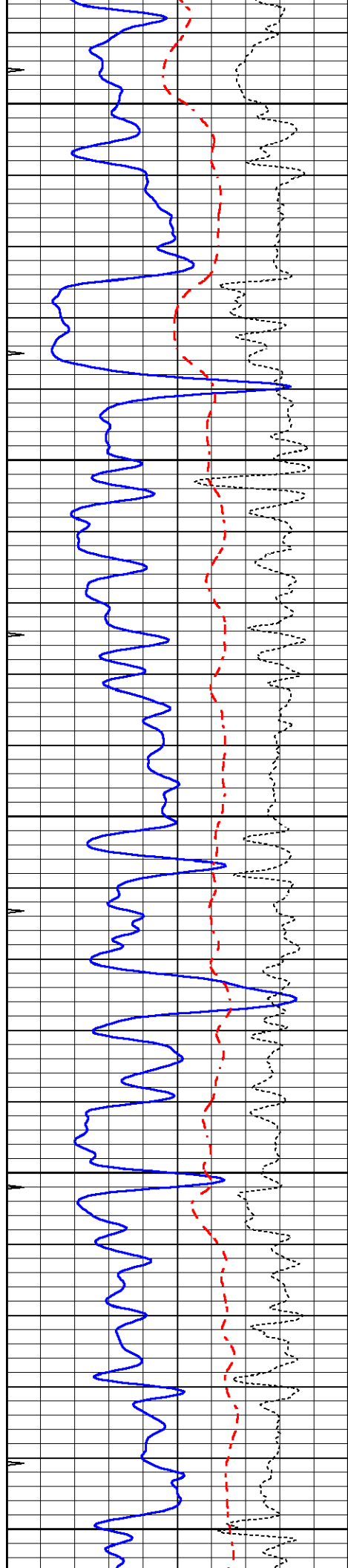
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 Dataset Pathname pass3.1
 Presentation Format _dil
 Dataset Creation Thu Nov 11 10:20:53 2021
 Charted by Depth in Feet scaled 1:240



2000

2050





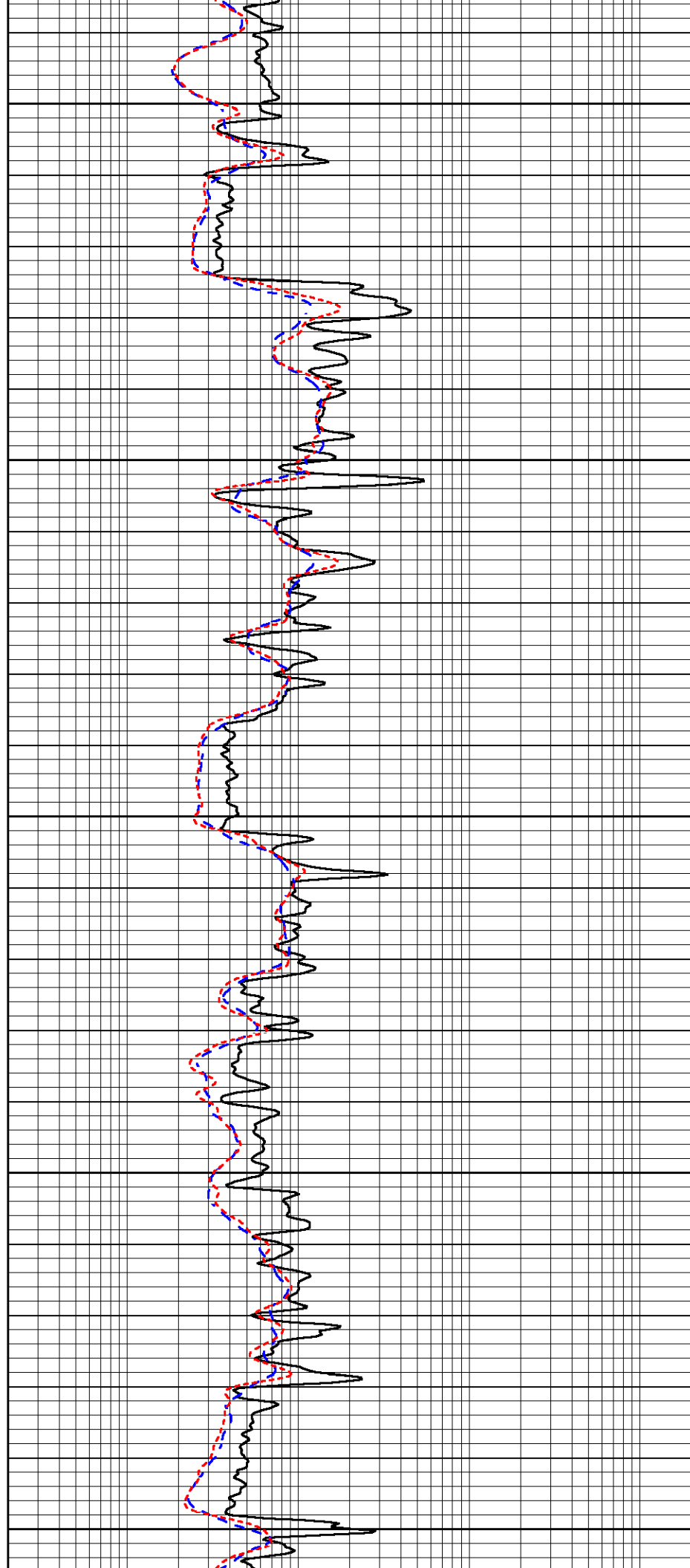
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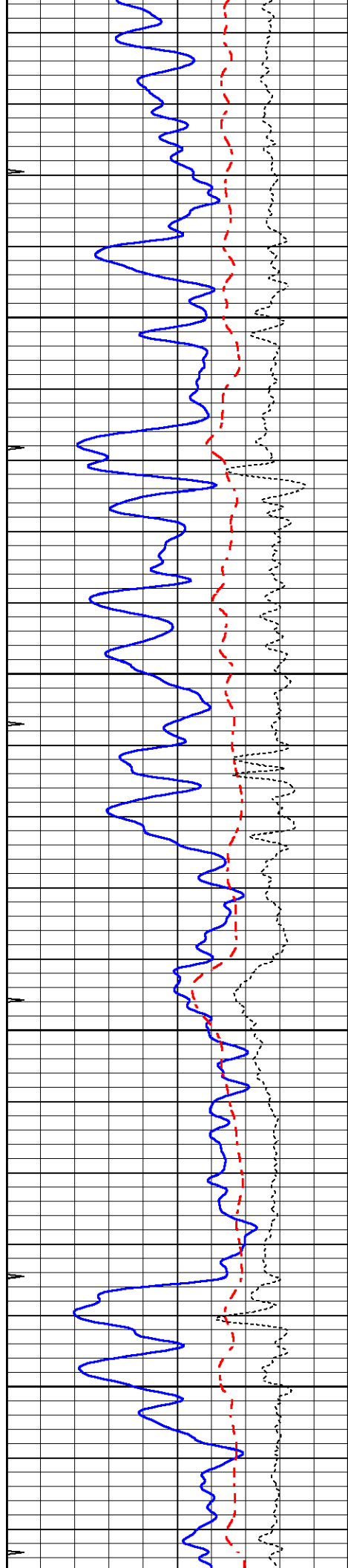
2150

2200

2250

2300



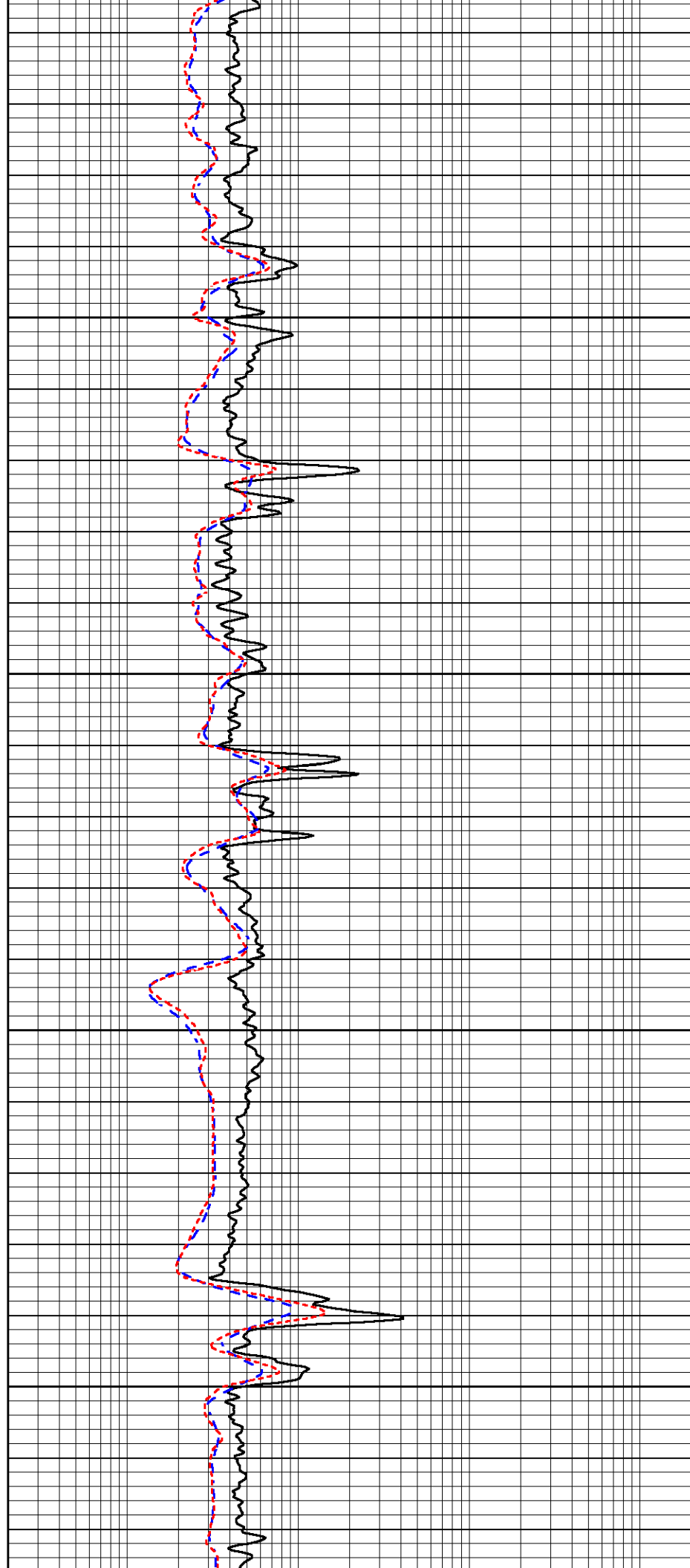


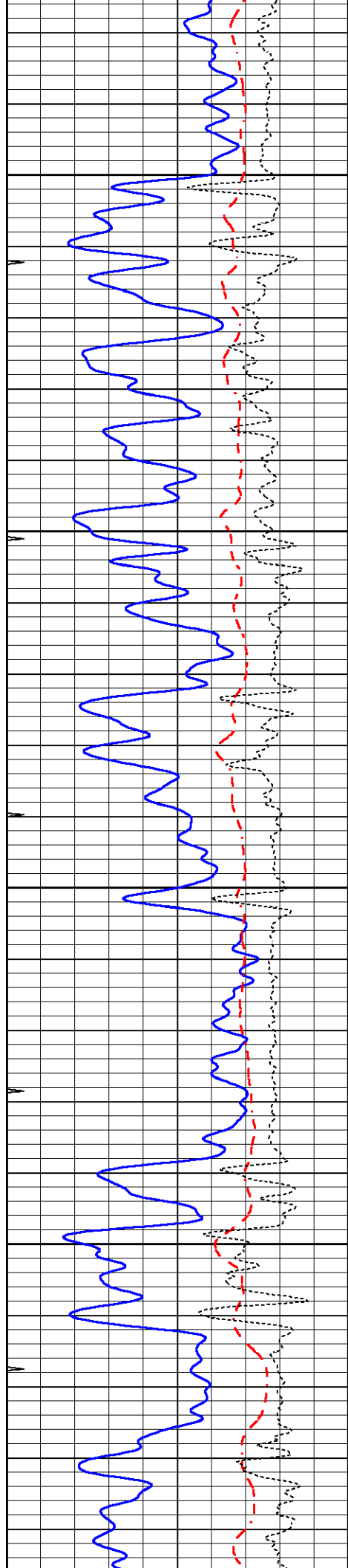
2350

2400

2450

2500



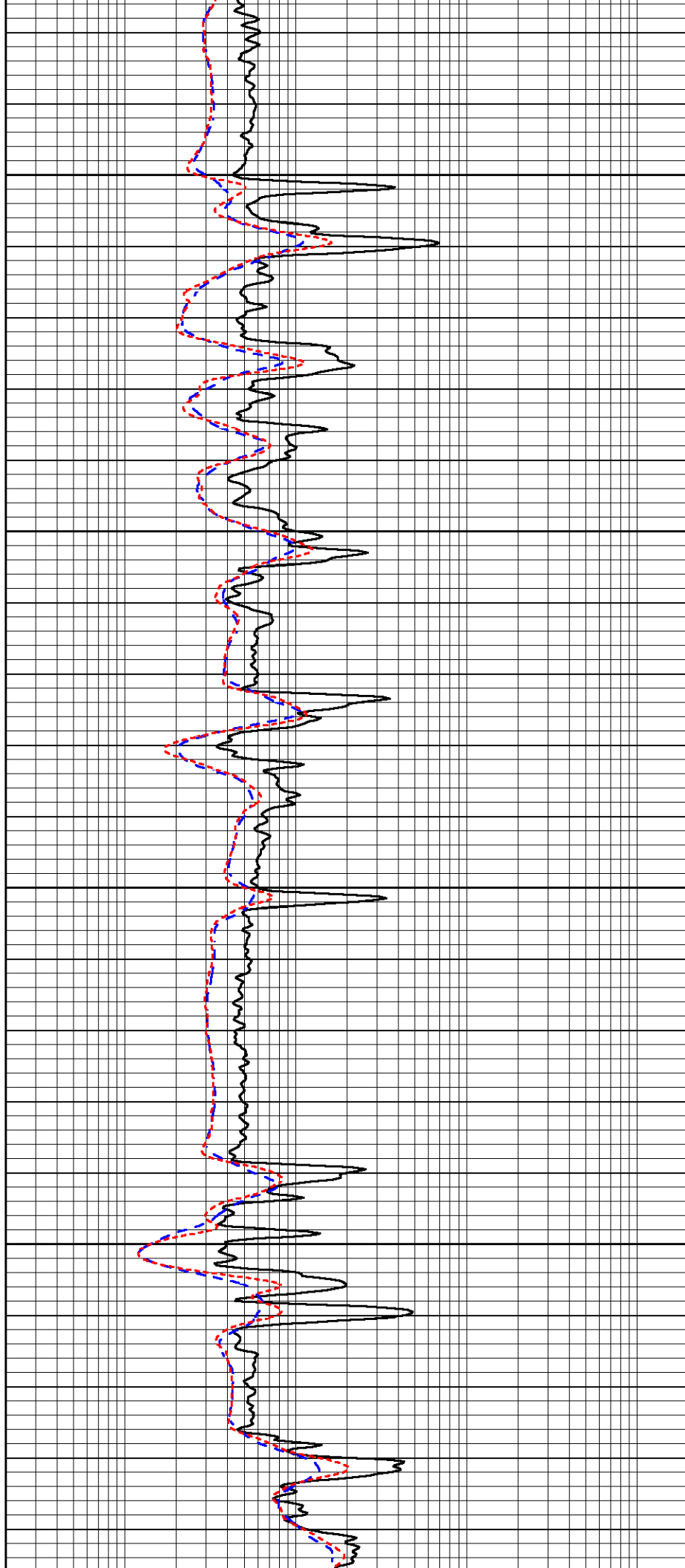


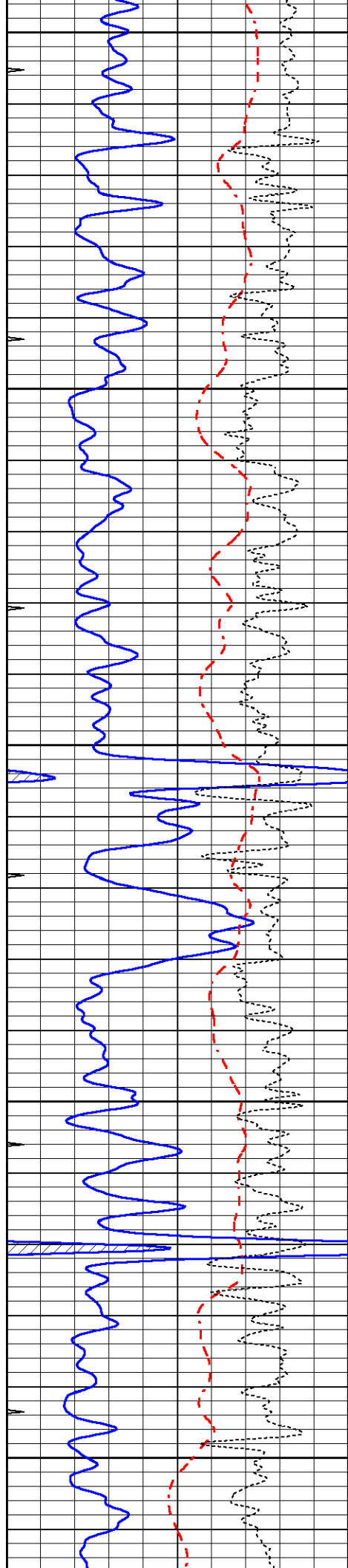
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2600

2650

2700





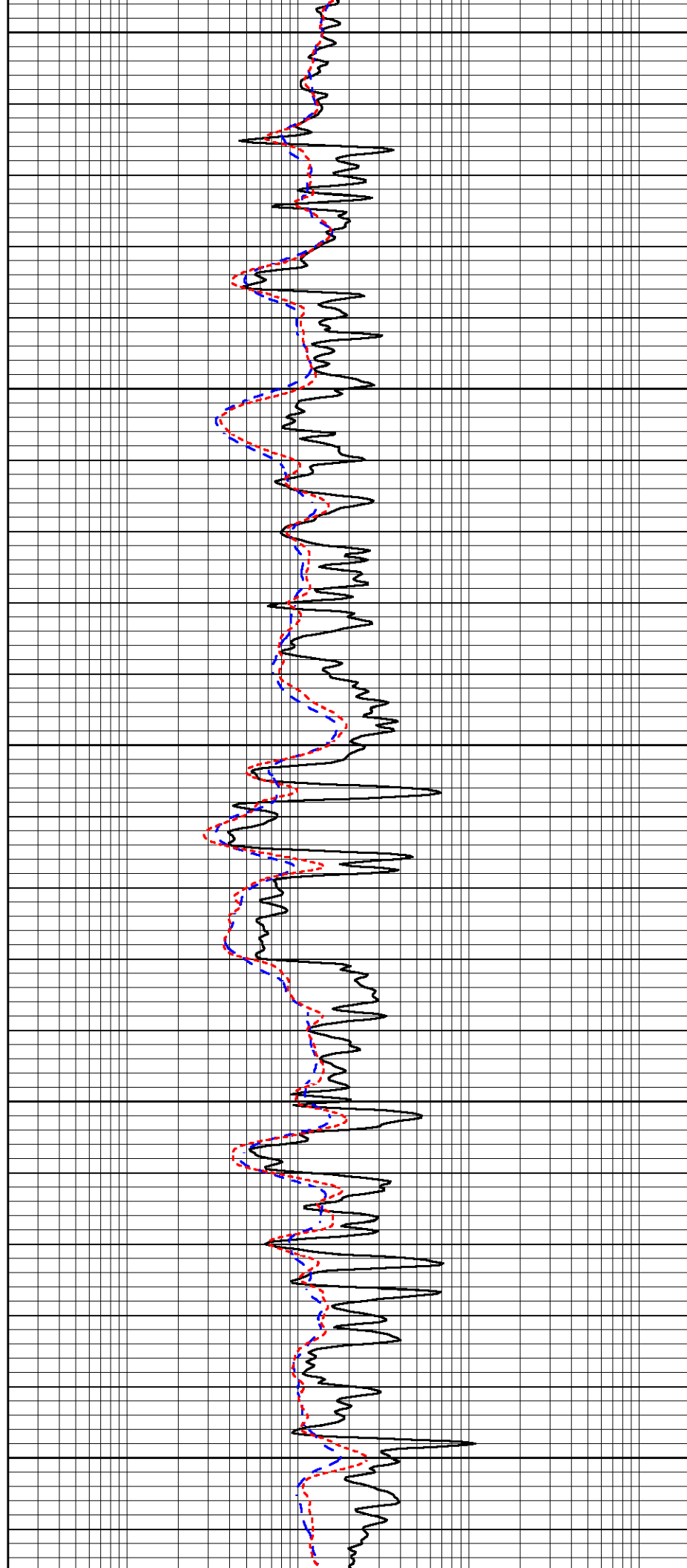
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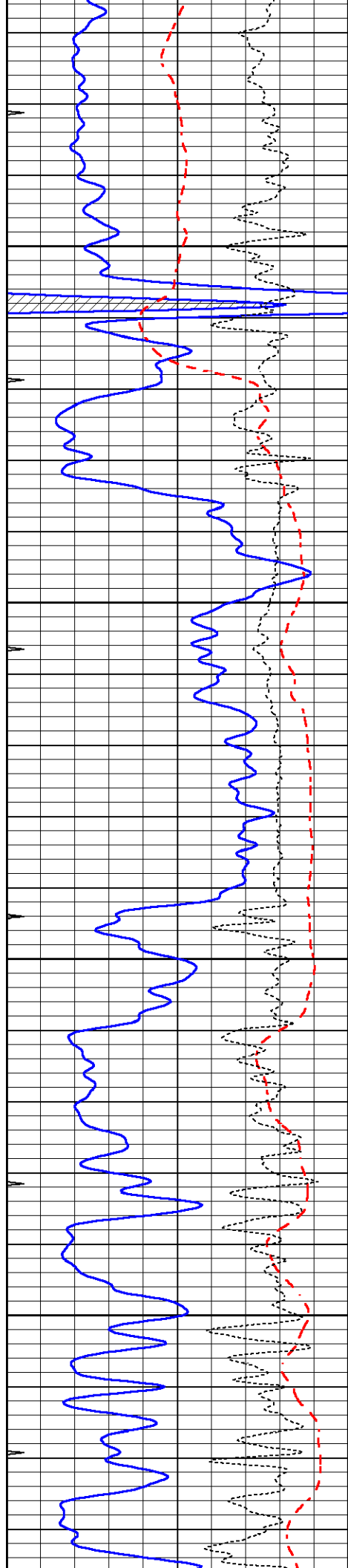
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2850

2900

2950



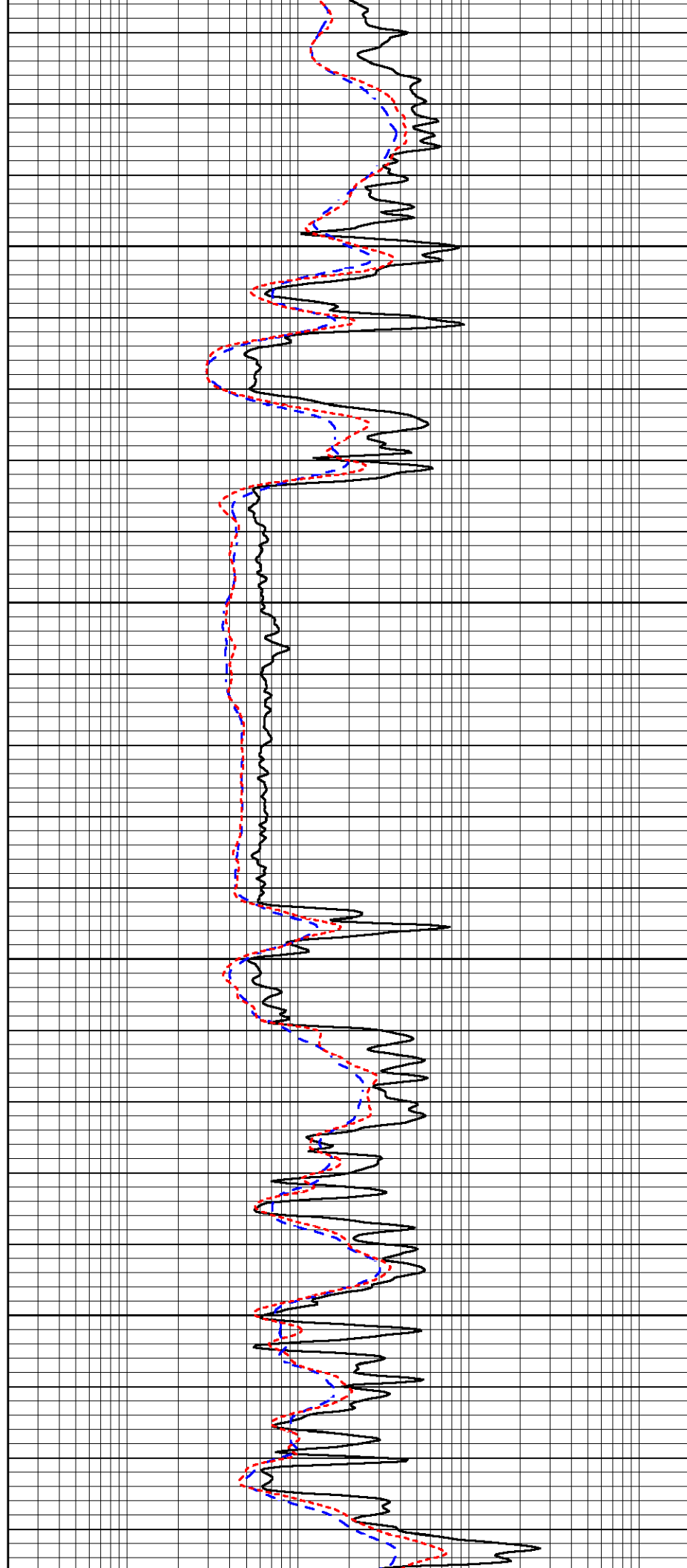


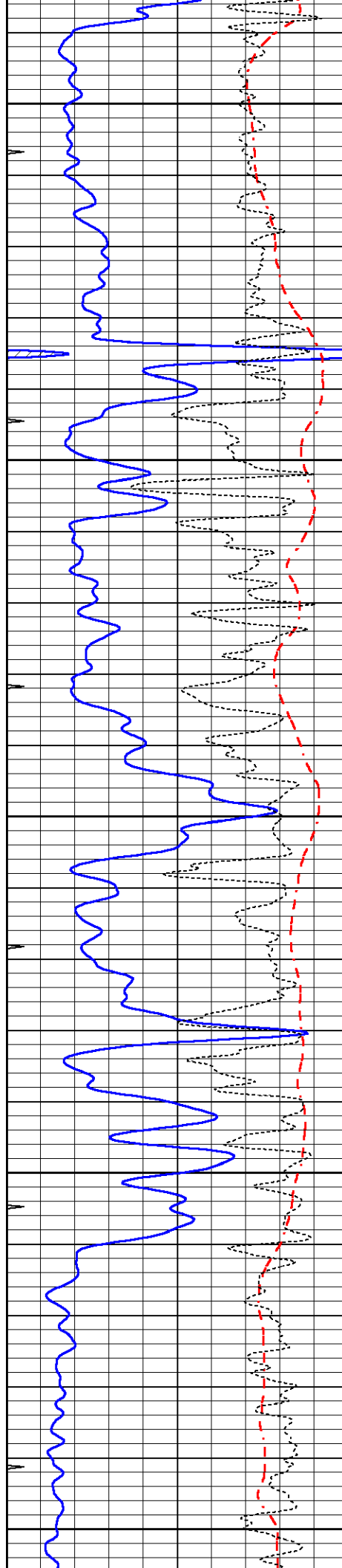
3000

3050

3100

3150





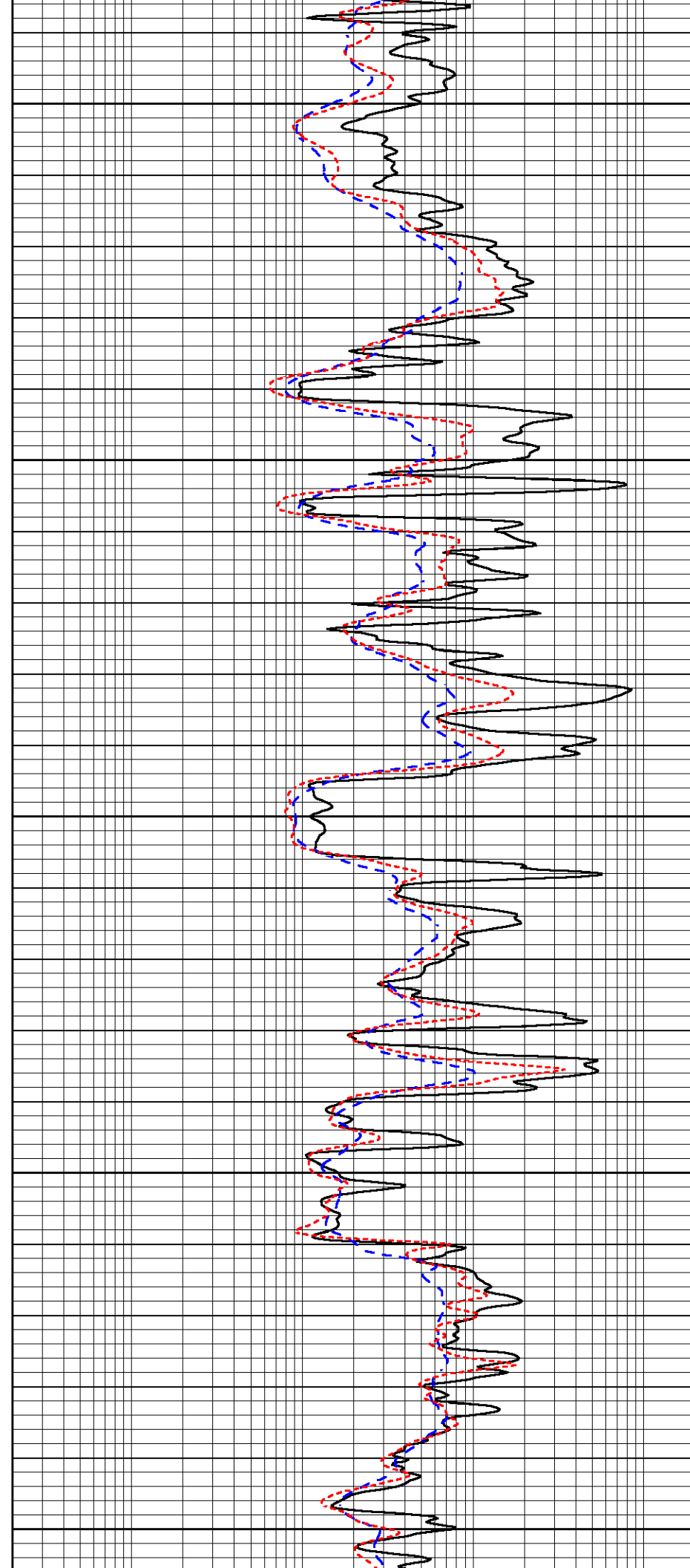
3200

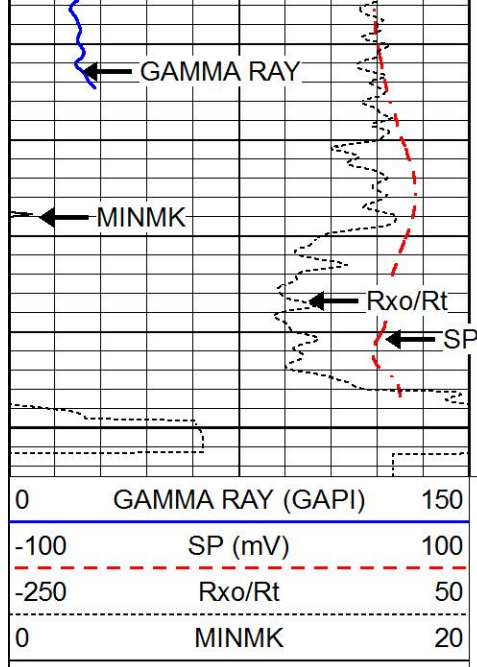
3250

3300

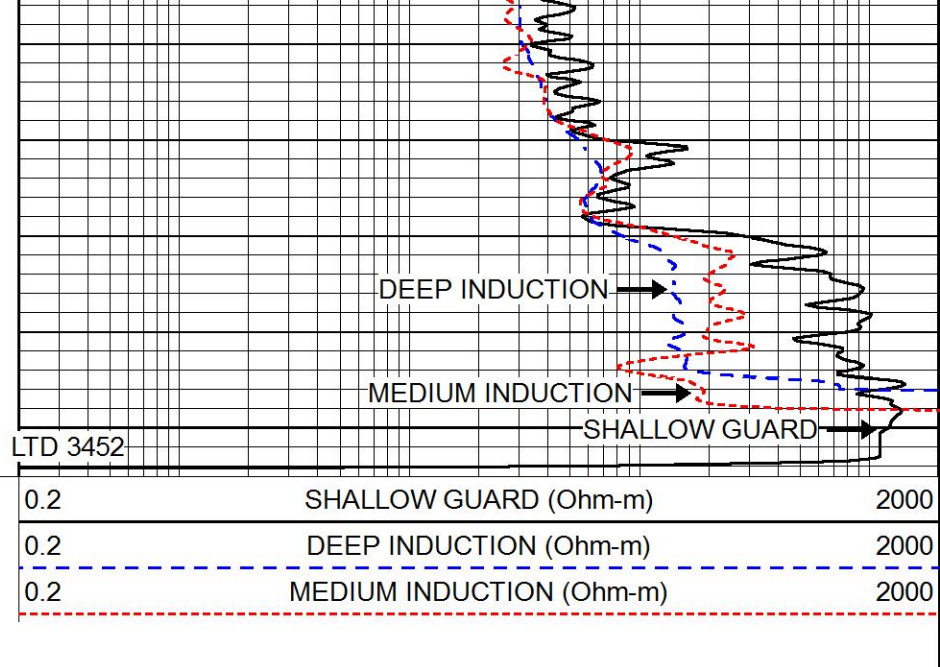
3350

3400





3450



LTD 3452

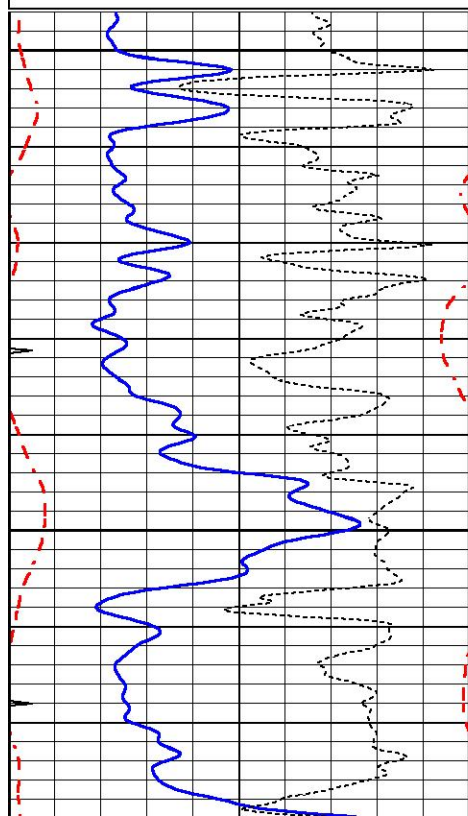


REPEAT SECTION

Database File 5891ddn.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Thu Nov 11 09:50:59 2021
 Charted by Depth in Feet scaled 1:240

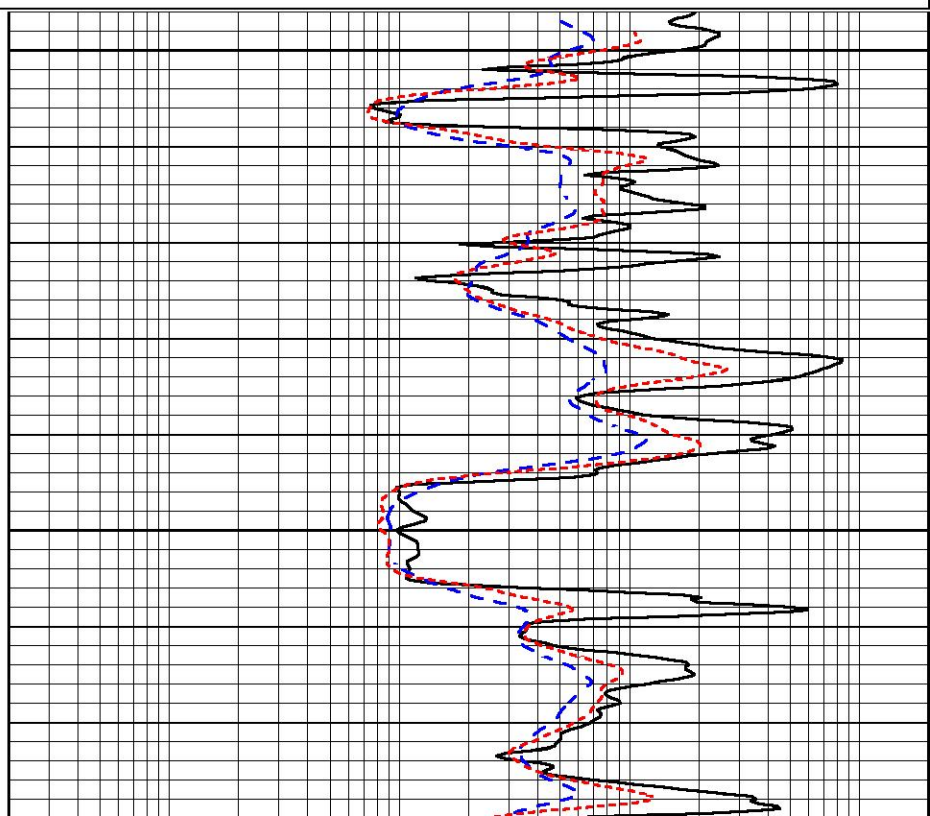
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

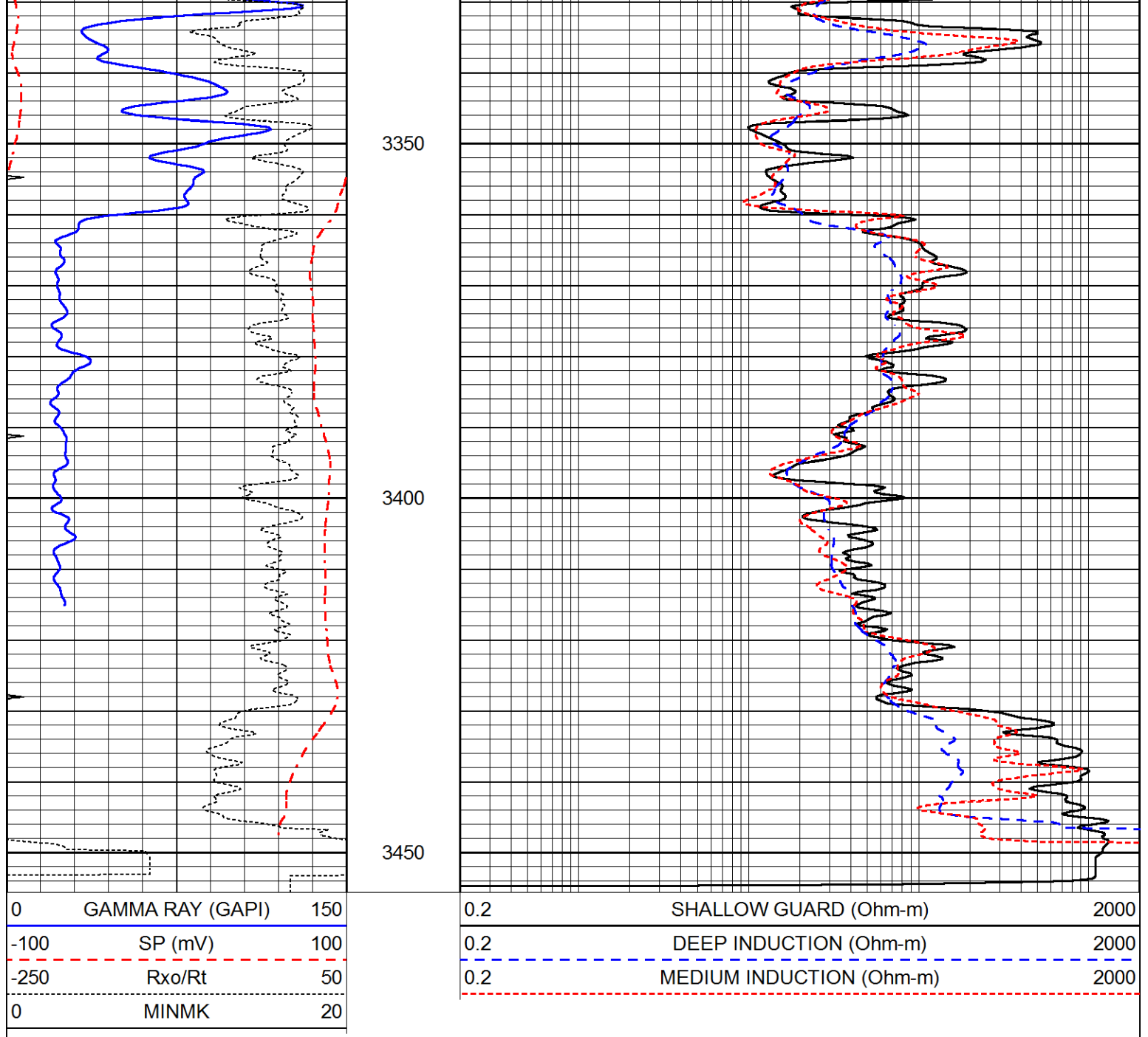
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



3250

3300





Calibration Report								
Database File	5891ddn.db							
Dataset Pathname	pass2.1							
Dataset Creation	Thu Nov 11 09:50:59 2021							
Dual Induction Calibration Report								
Serial-Model:			DIL4-GEAR					
Surface Cal Performed:			Tue Mar 01 11:19:26 2011					
Downhole Cal Performed:			Tue Sep 25 17:01:29 2001					
After Survey Verification Performed:			Sat Jun 11 16:07:12 2005					
Surface Calibration								
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.666	V	0.000	400.000	mmho/m	470.000	-6.000
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	460.000	-3.000

Internal:		Zero	Cal		Zero	Cal		m	b
Deep		0.013	0.651	V	0.000	400.000	mmho/m	627.541	-8.365
Medium		0.020	0.754	V	0.000	462.500	mmho/m	630.311	-12.549
Downhole Calibration									
		Readings			References			Results	
Internal:		Zero	Cal		Zero	Cal		m	b
Deep		0.000	1.000	mmho/m	0.000	1.000	mmho/m	1.000	0.000
Medium		0.000	1.000	mmho/m	0.000	1.000	mmho/m	1.000	0.000
Shallow		2.525	0.026	V	500.000	2.000	Ohm-m	220.000	-2.800
After Survey Verification									
		Readings			Targets			Results	
Internal:		Zero	Cal		Zero	Cal		m'	b'
Deep		0.000	1.000	mmho/m	0.000	1.000	mmho/m	1.000	0.000
Medium		0.000	1.000	mmho/m	0.000	1.000	mmho/m	1.000	0.000
Shallow		0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000
Litho Density Calibration Report Serial: 002N Model: PRB									
Master Calibration					Performed Tue Mar 10 15:08:00 2020				
	Background		Magnesium		Aluminum		Aluminum+Fe		
Window 1	780.1		6981.9		2088.6		1871.2		cps
Window 2	718.6		5898.2		1813.8		1664.1		cps
Window 3	580.0		2989.5		1088.0		1039.1		cps
Window 4	172.8		175.7		175.3		173.5		cps
Long Space	0.0		5179.6		1095.2		945.5		cps
Short Space	1.1		1228.6		821.2		690.4		cps
Rho			1.7100		2.5900		0.0000		g/cc
Pe			2.0000		2.7500		5.7900		
Rib Angle	: 45.5		Rib Slope	: 1.016		Density/Spine Ratio		: 0.548	
Spine Angle	: 75.5		Spine Slope	: 3.857		Spine Intercept		: -18.9	
Before 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		
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		
Short Space	0.0		0.0		0.0		0.0		

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 Jul 30 20:04:35 2020	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.7500	GAPI/cps