

DUAL INDUCTION LOG

Company	EAGLE CREEK CORPORATION	Company	EAGLE CREEK CORPORATION
Well	CAMPBELL #1-2	Well	CAMPBELL #1-2
Field	WILDCAT	Field	WILDCAT
County	FINNEY	County	FINNEY
State	KANSAS	State	KANSAS
Location:	API # : 15-055-22536-0000 2305' FSL & 2250' FWL SW - NE - NE - SW	Other Services CDL/CNL/PE MEL/SONIC	
Permanent Datum	GROUND LEVEL	Elevation	2961
Log Measured From	KELLY BUSHING 11' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	9/13/20		
Run Number	ONE		
Depth Driller	4885		
Depth Logger	4887		
Bottom Logged Interval	4885		
Top Log Interval	00		
Casing Driller	8 5/8"@268'		
Casing Logger	268		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,400 PPM	
Density / Viscosity	9.1/53		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.820@80F		
Rmf @ Meas. Temp	.615@80F		
Rmc @ Meas. Temp	.984@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.529@124F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	7:15 A.M.		
Maximum Recorded Temperature	124F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	TIM PIERCE		

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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.

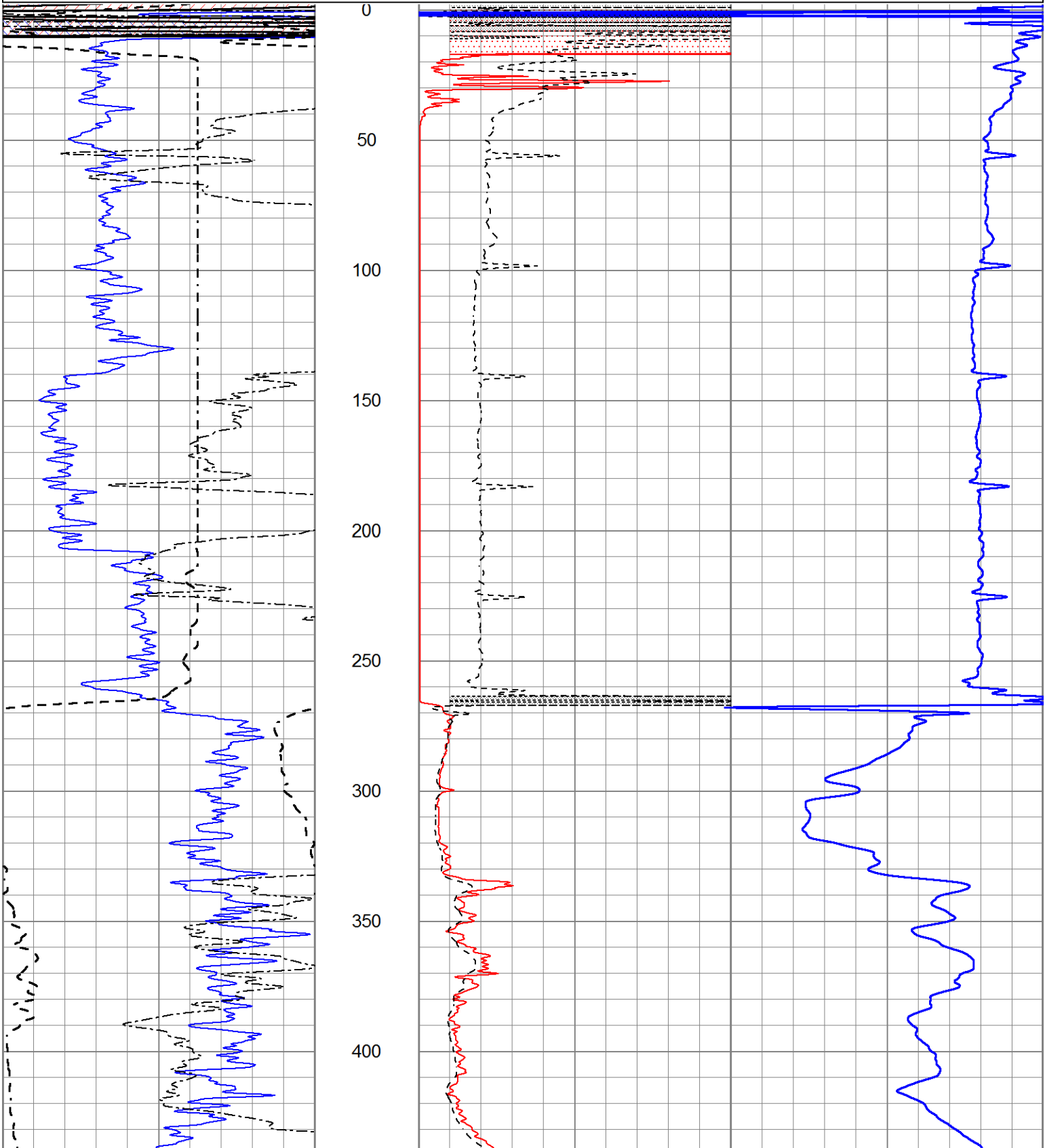
Comments

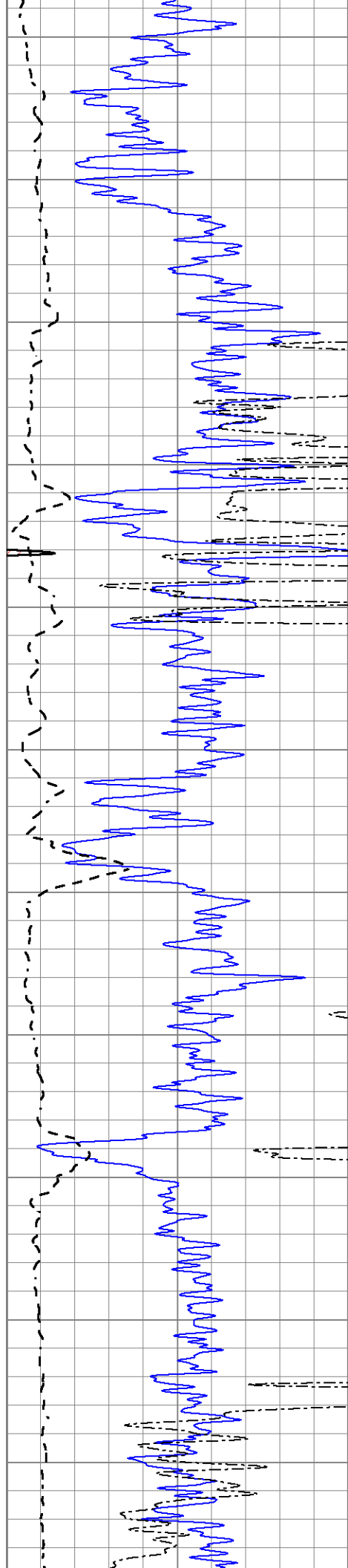
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
SCOTT CITY, KS., 13S. ON HWY 83 TO (SCOTT/FINNEY COUNTY LINE) 7 1/2 W., 1/2S., E. INTO



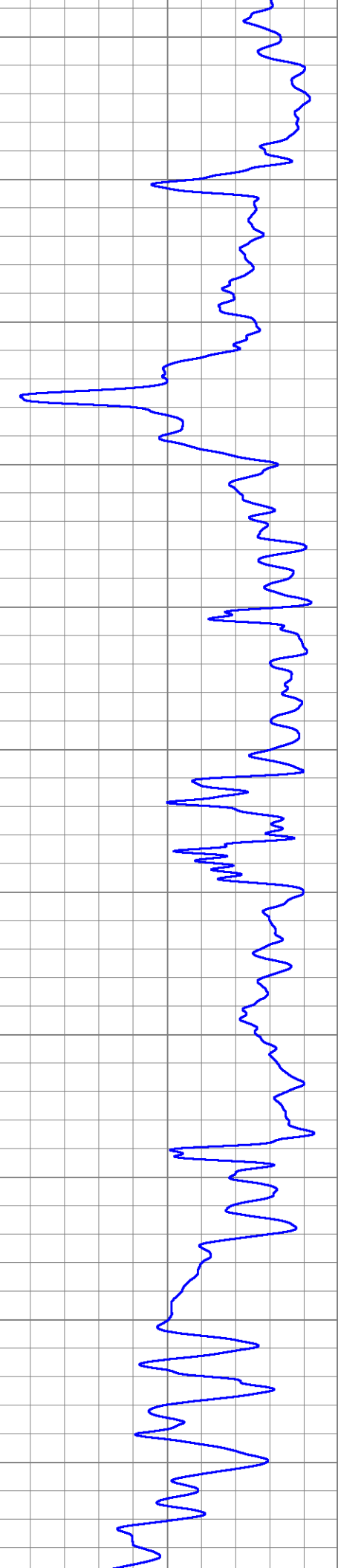
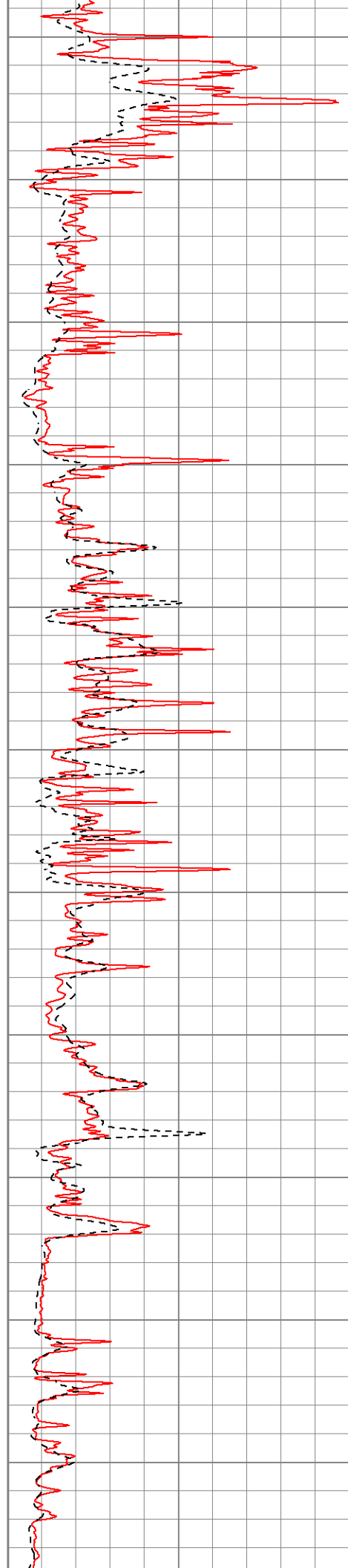
MAIN SECTION

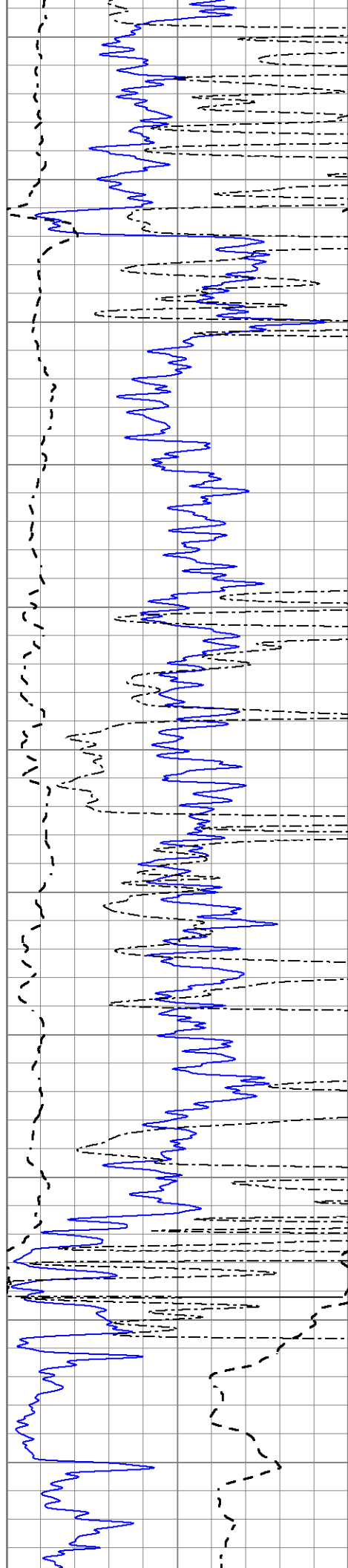
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
0	RWA (Ohm-m)	1	0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500





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550
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650
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750
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850
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950





1000

1050

1100

1150

1200

1250

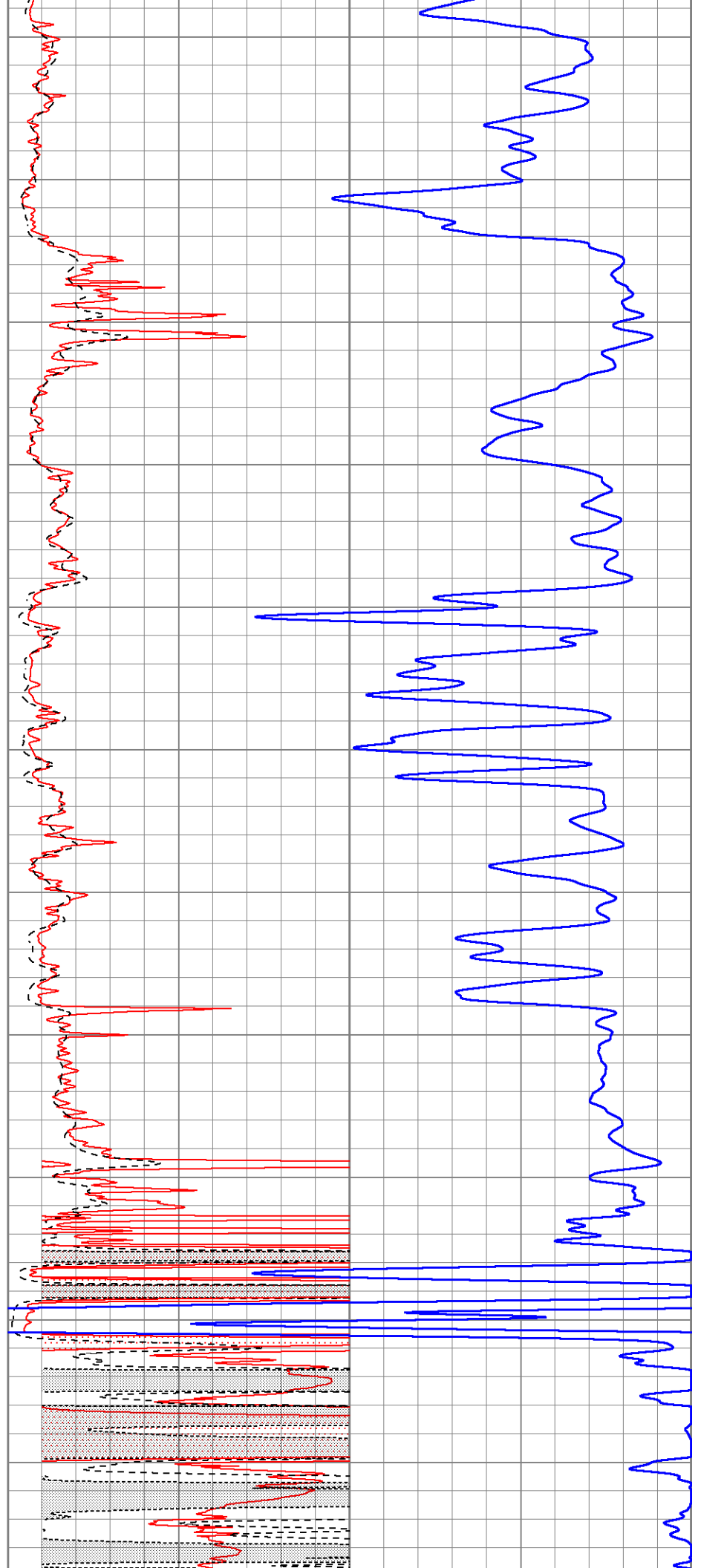
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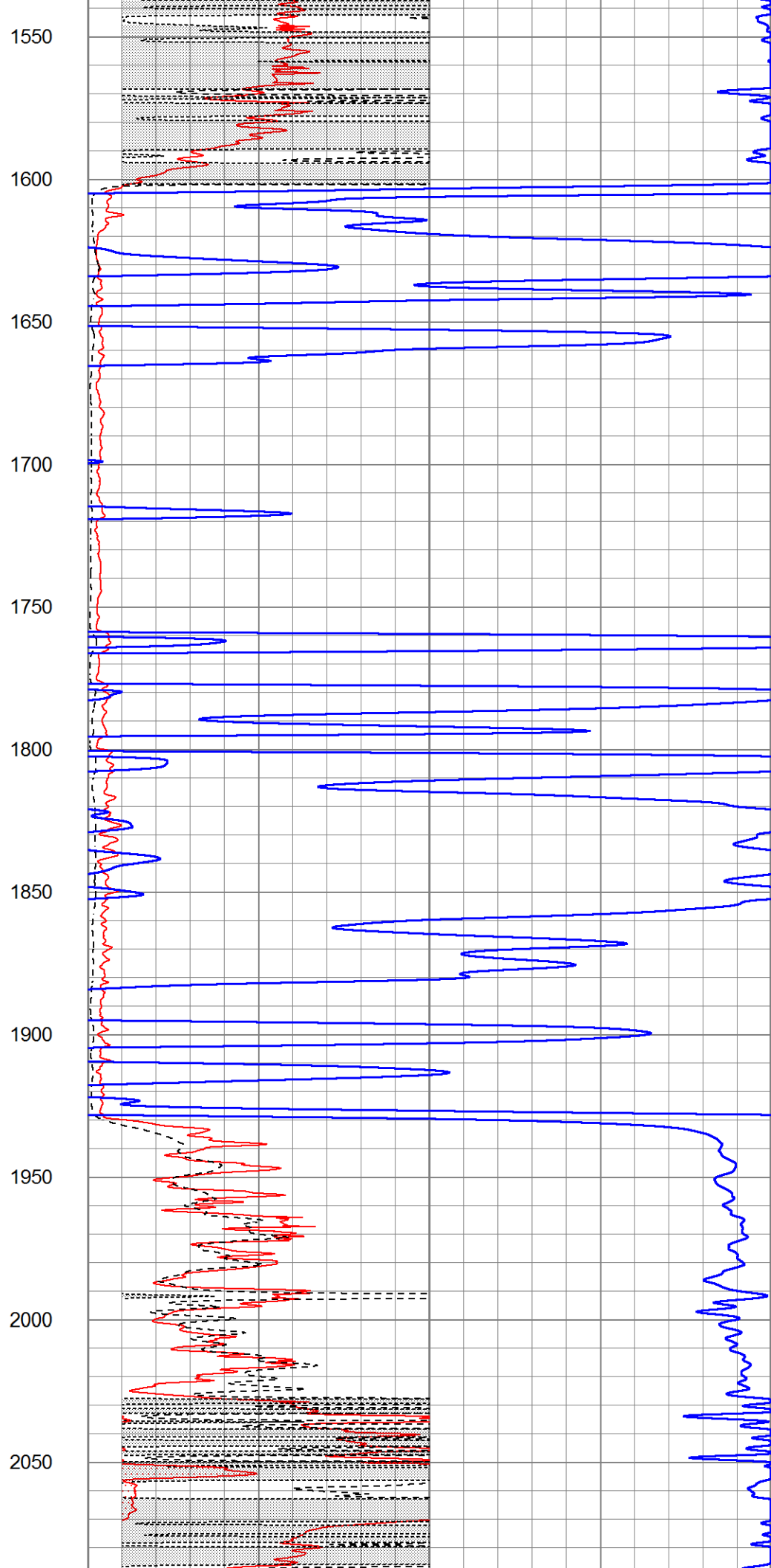
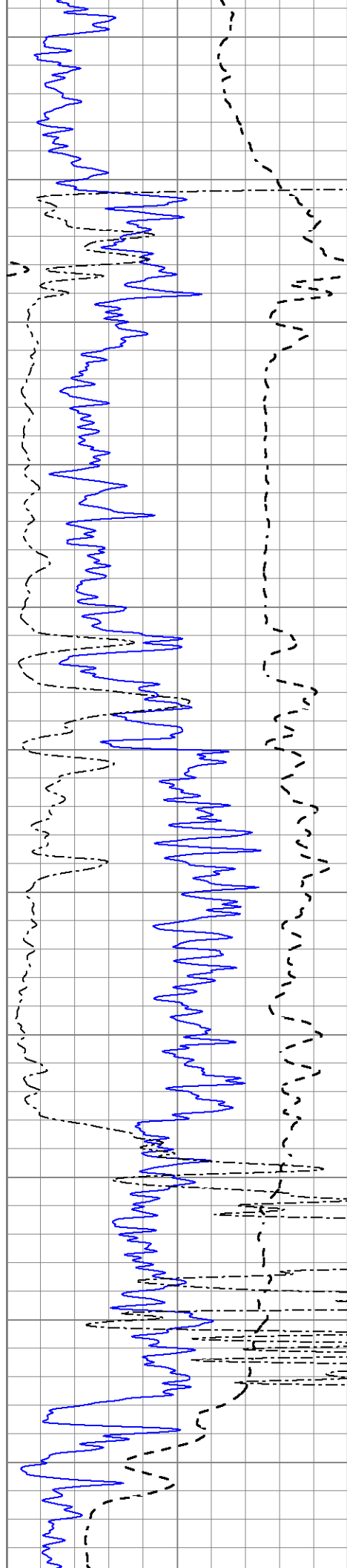
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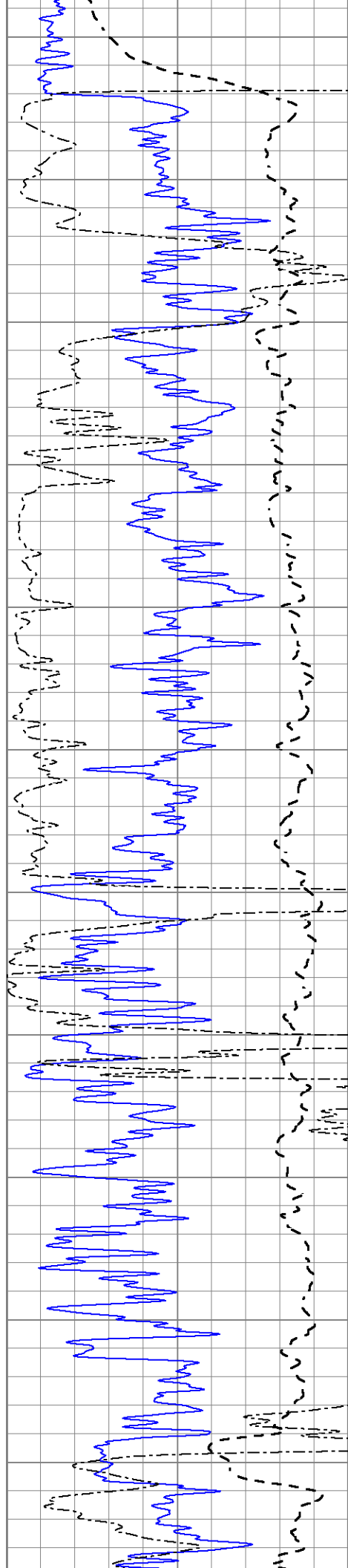
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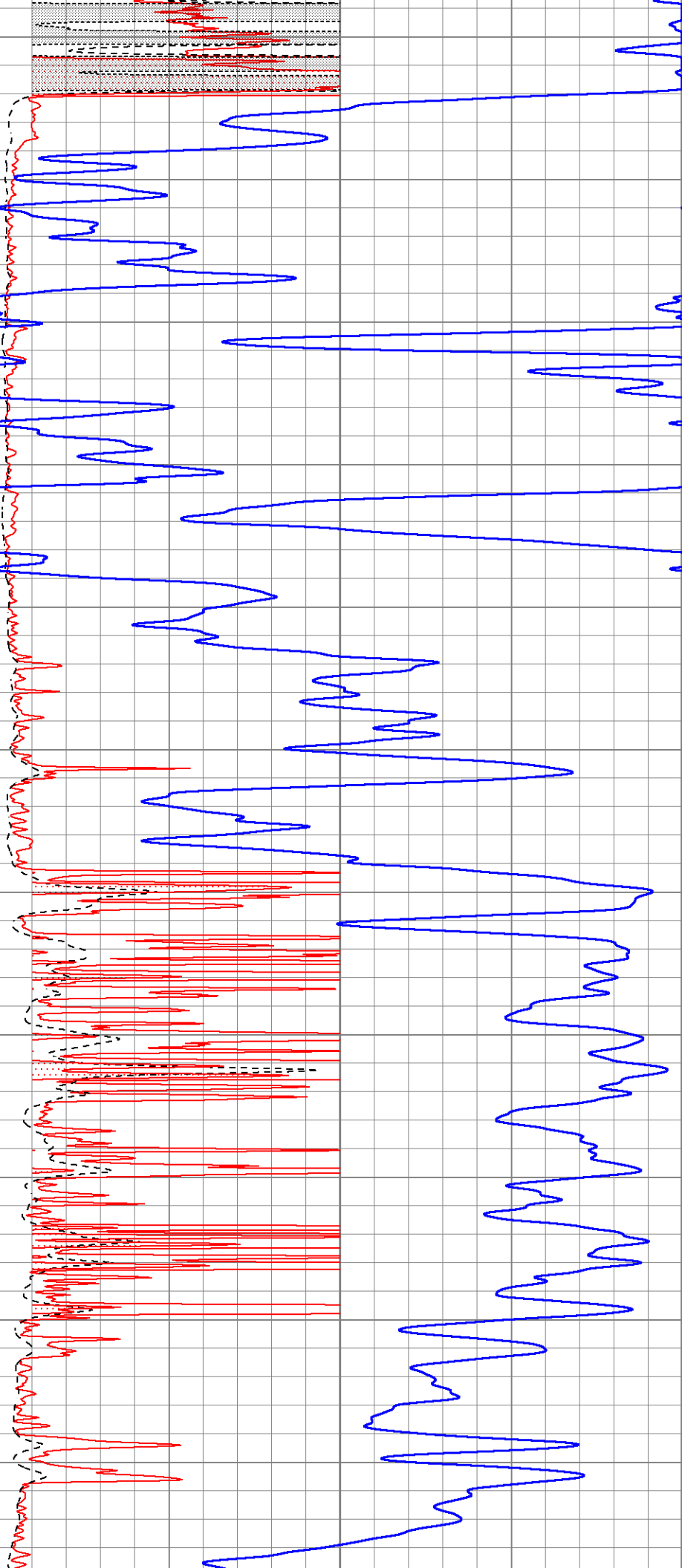
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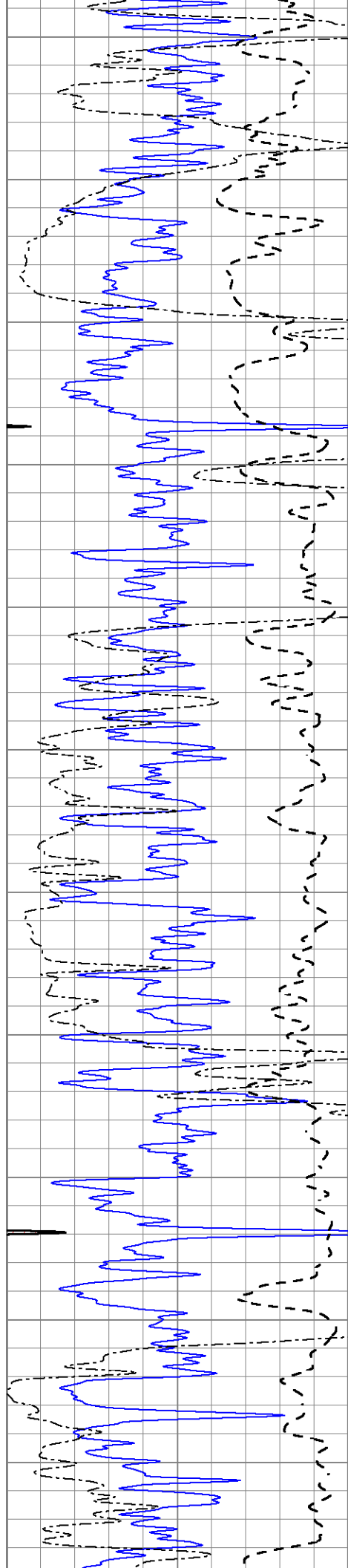
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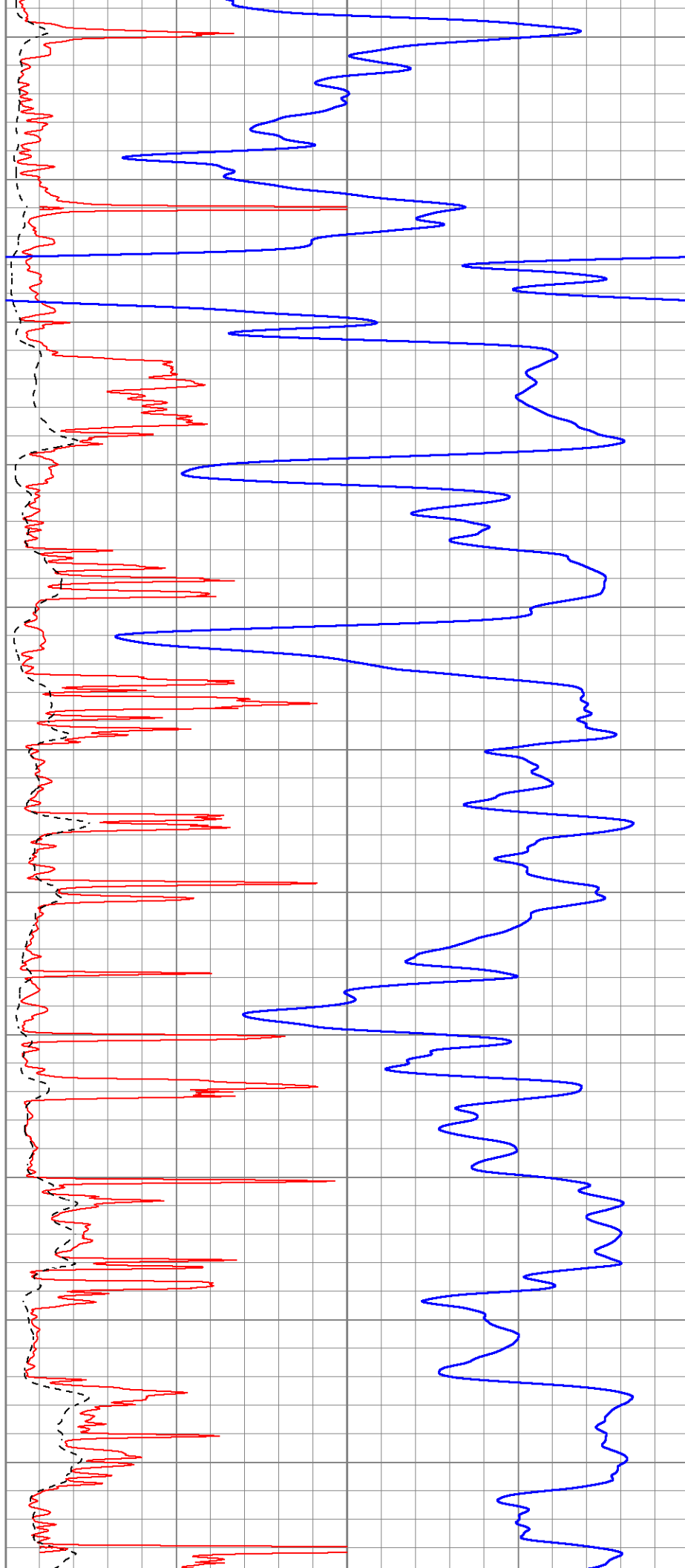
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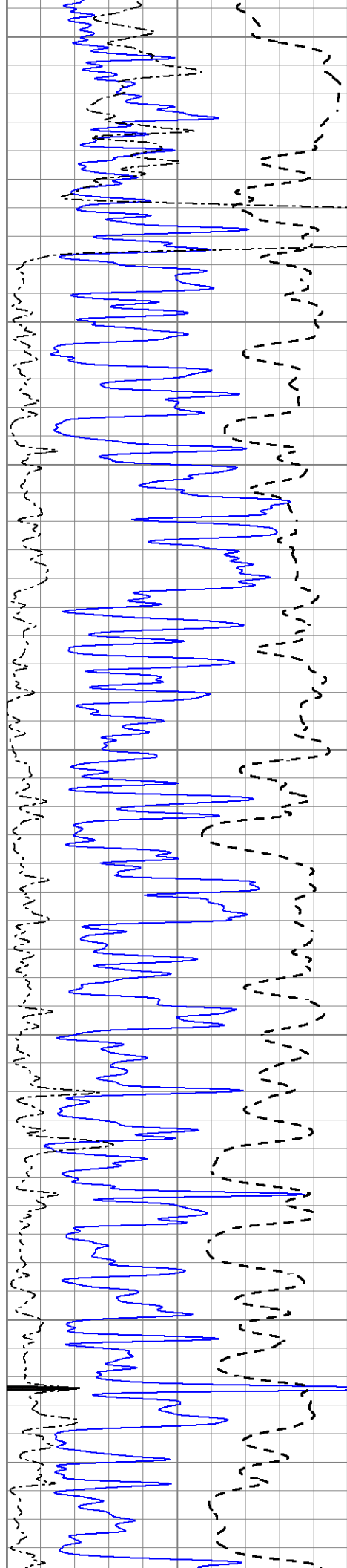
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3200

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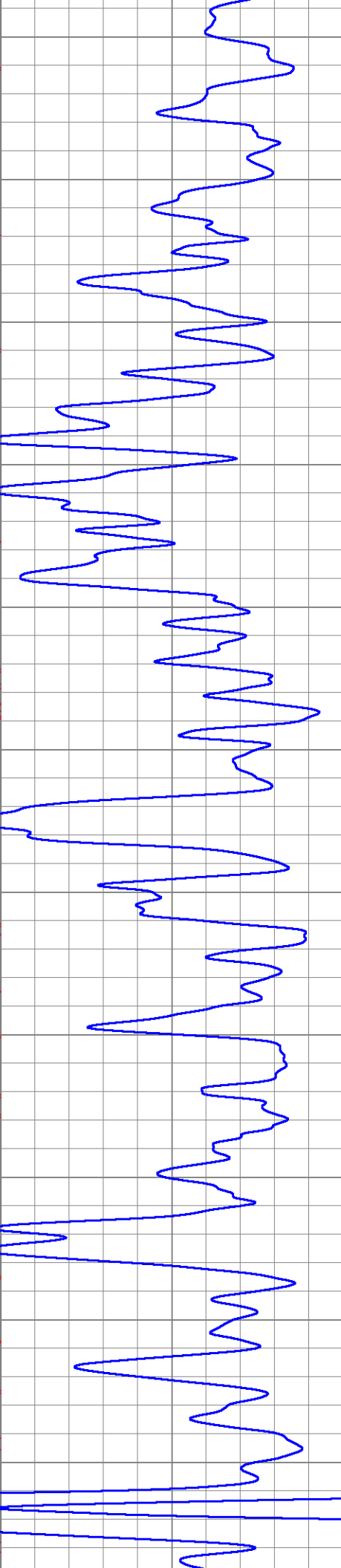
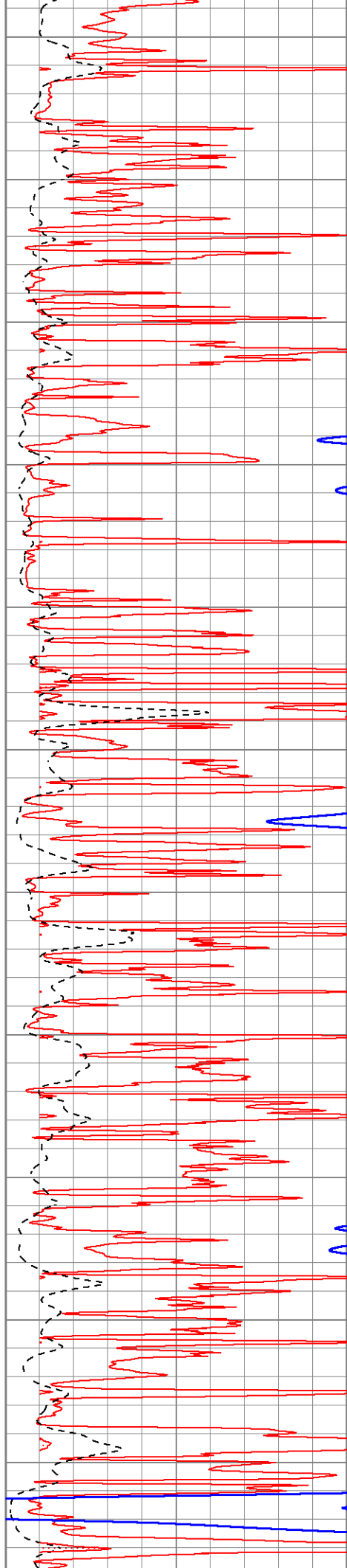
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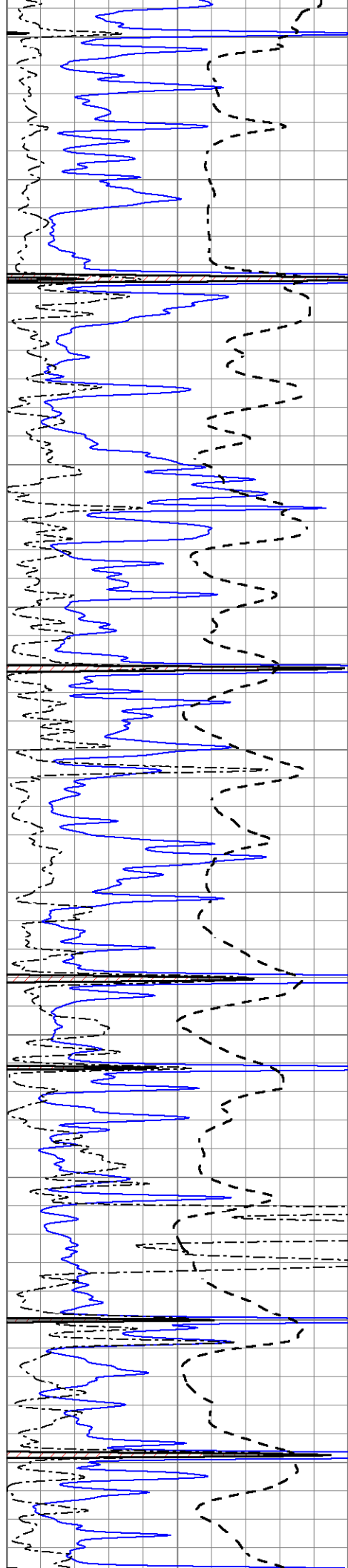
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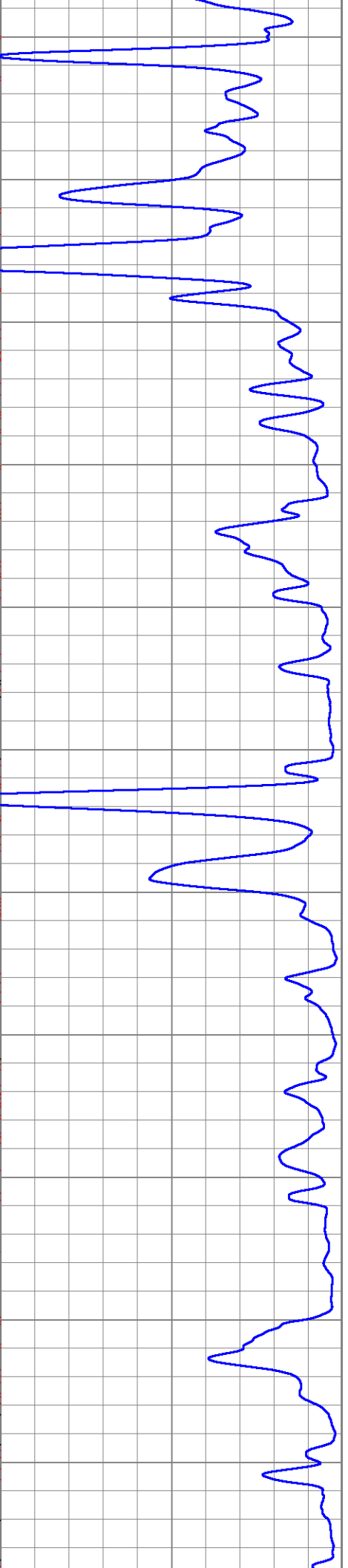
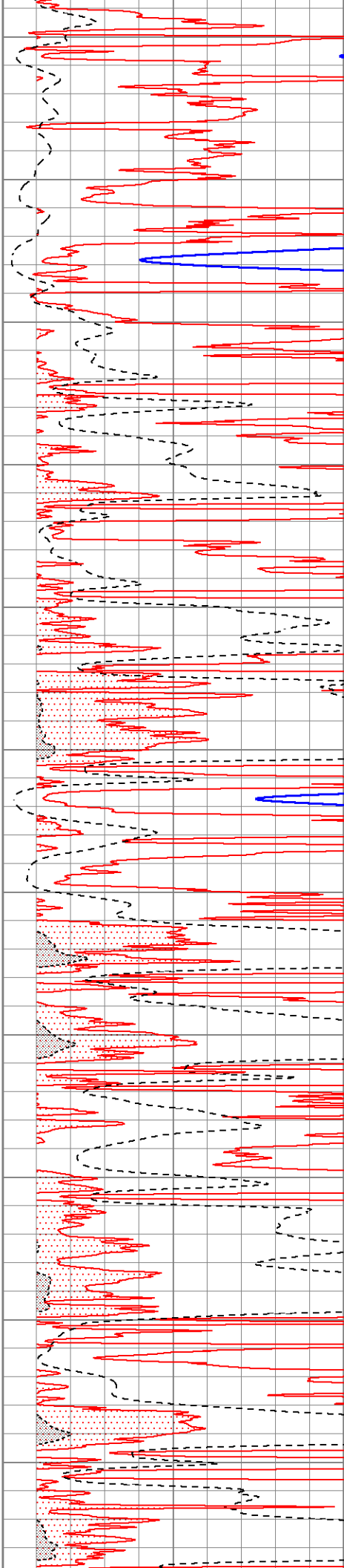
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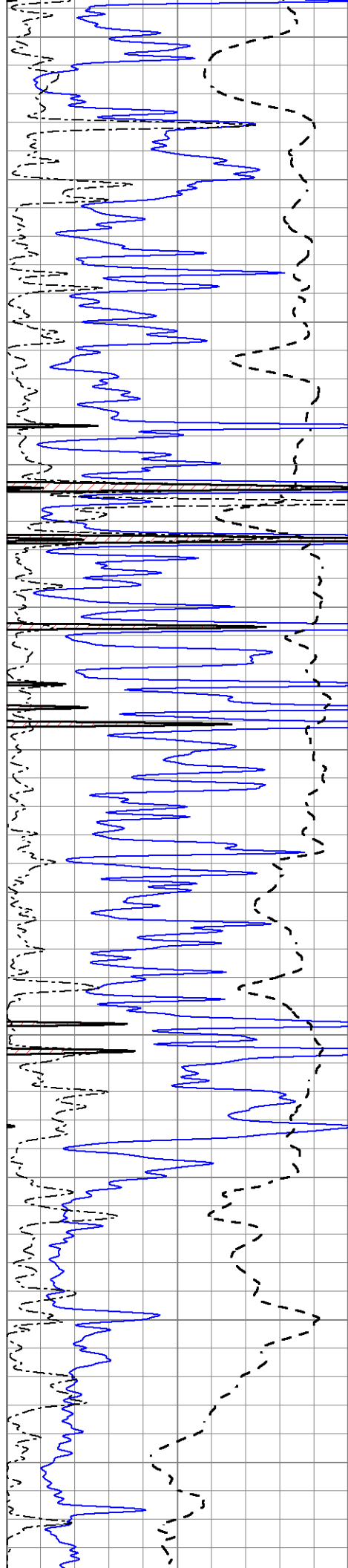
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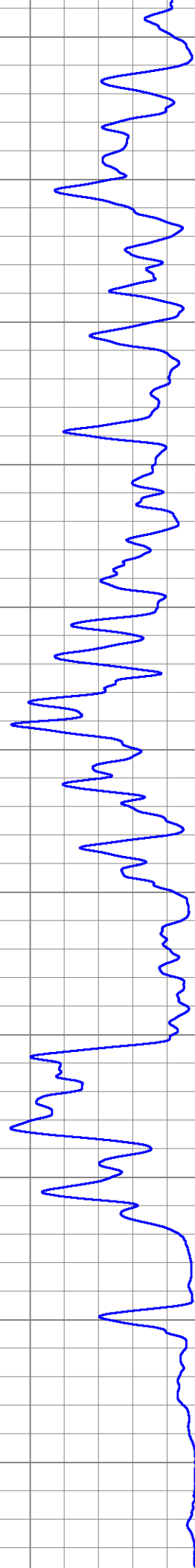
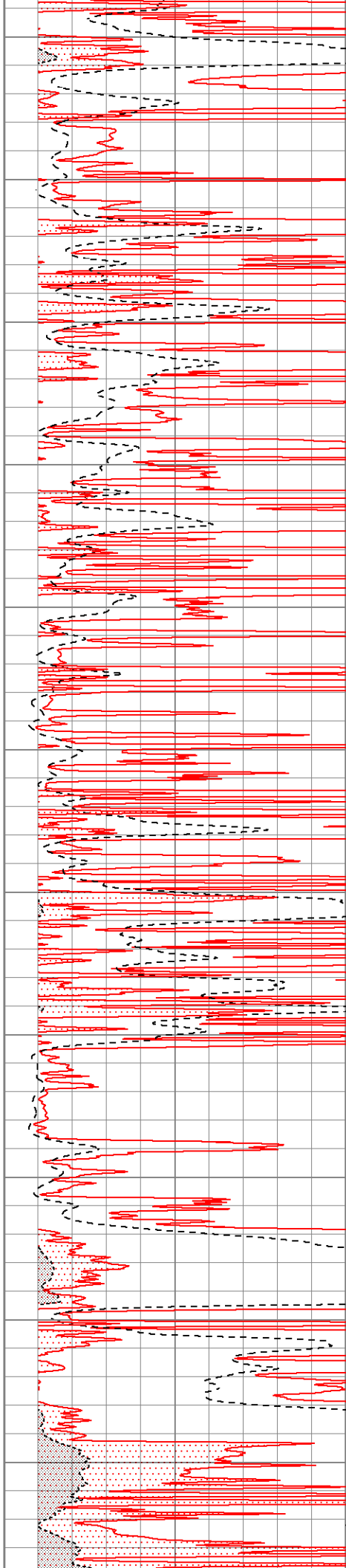
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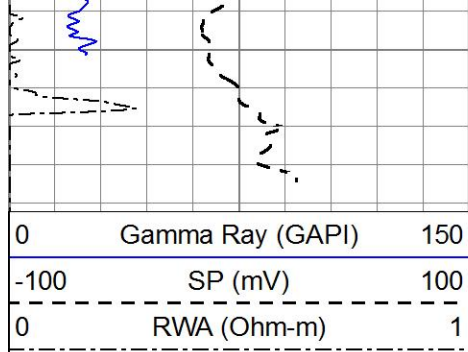
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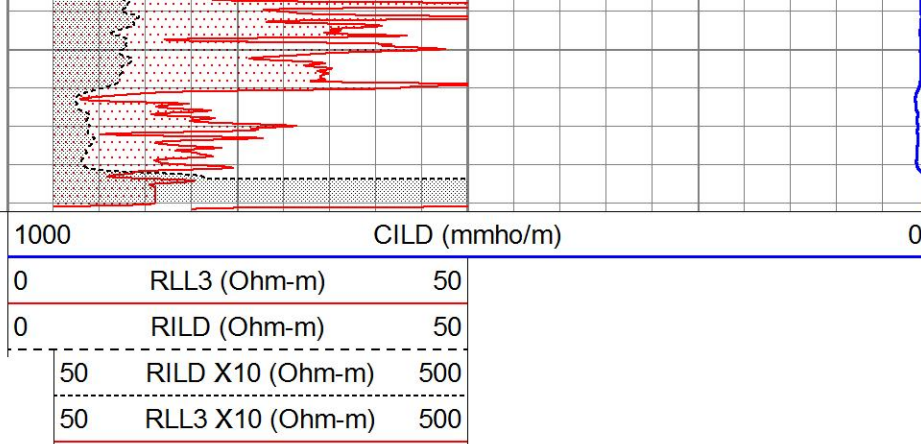
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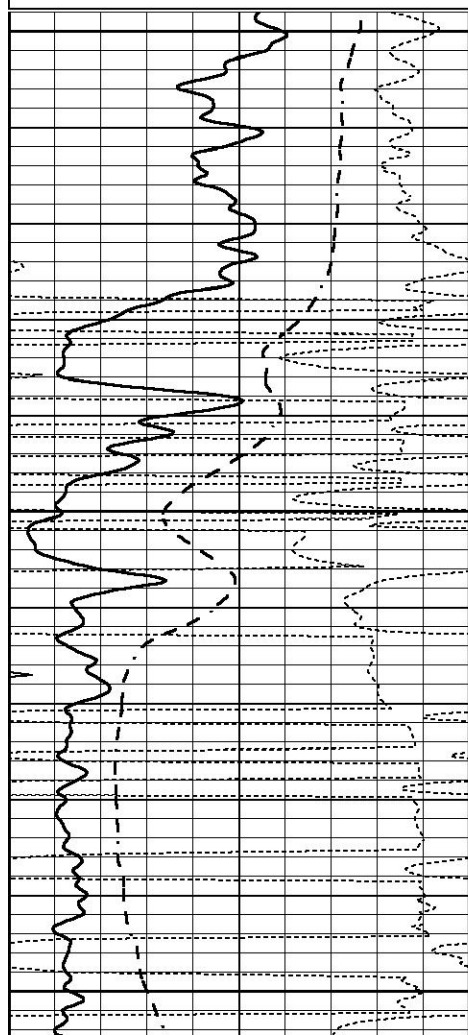
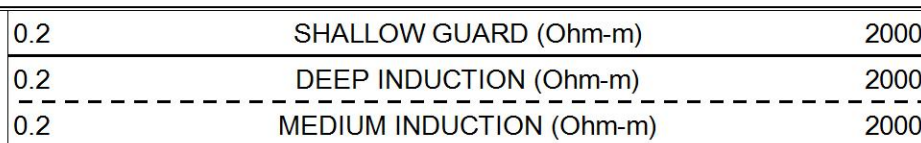
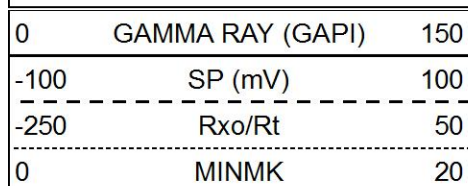


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ANHYDRITE

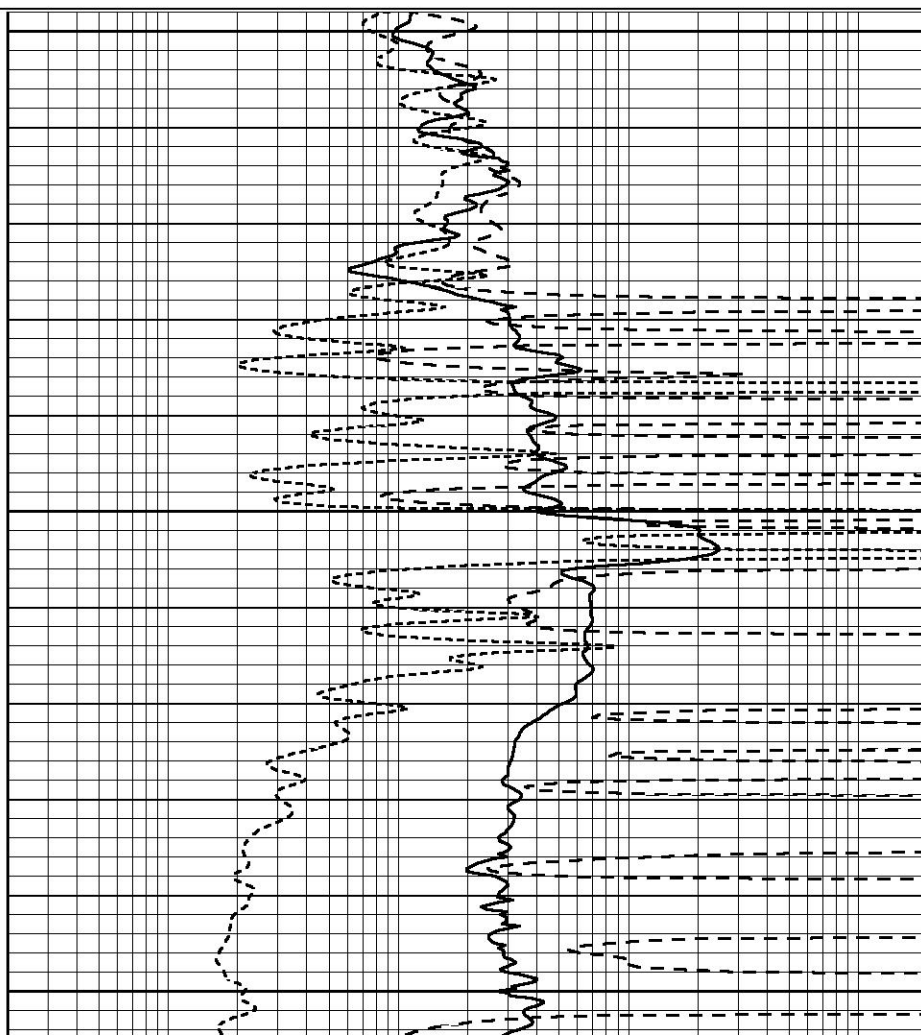
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 Presentation Format _dil
 Dataset Creation Sun Sep 13 08:44:47 2020
 Charted by Depth in Feet scaled 1:240

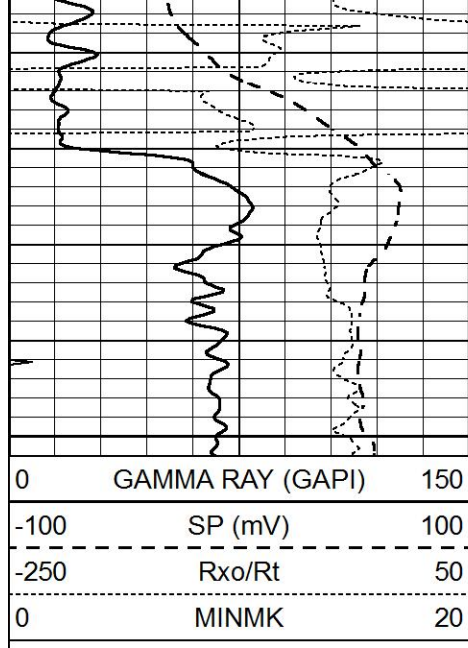


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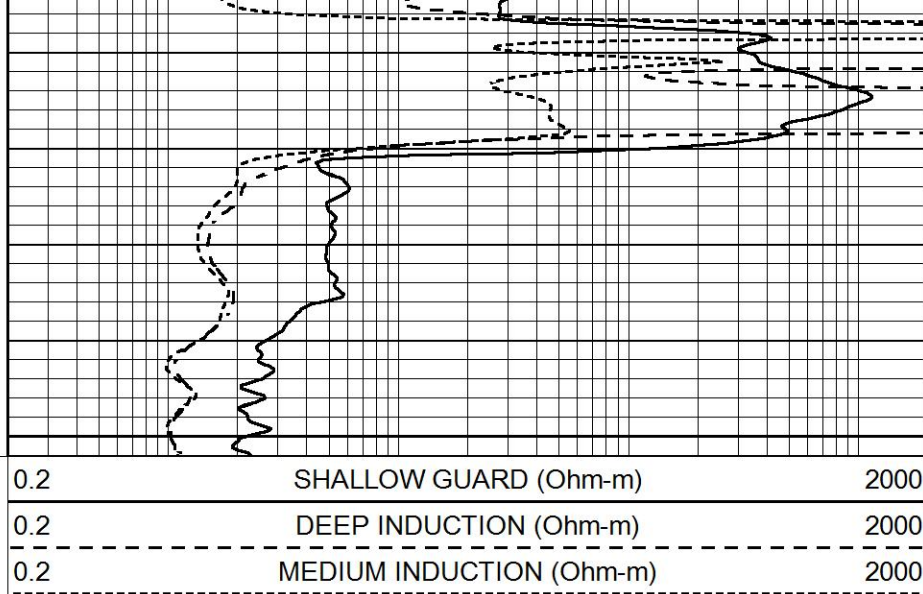
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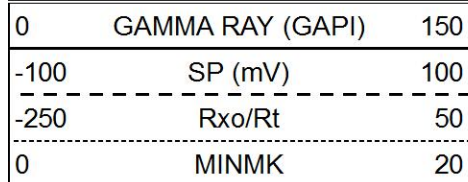


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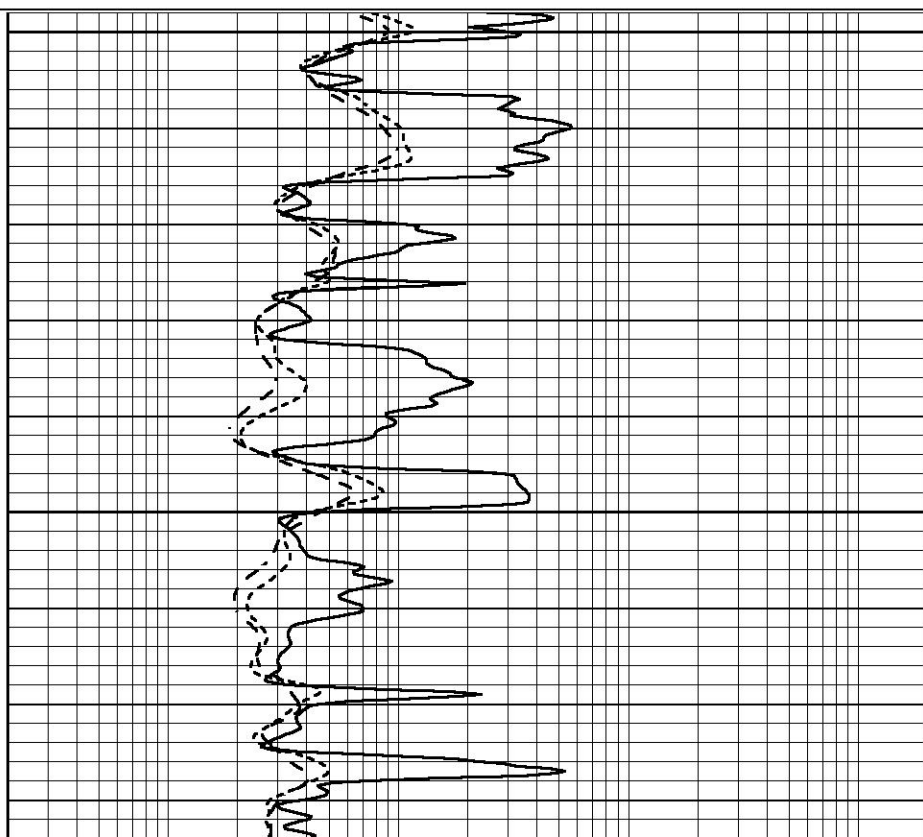
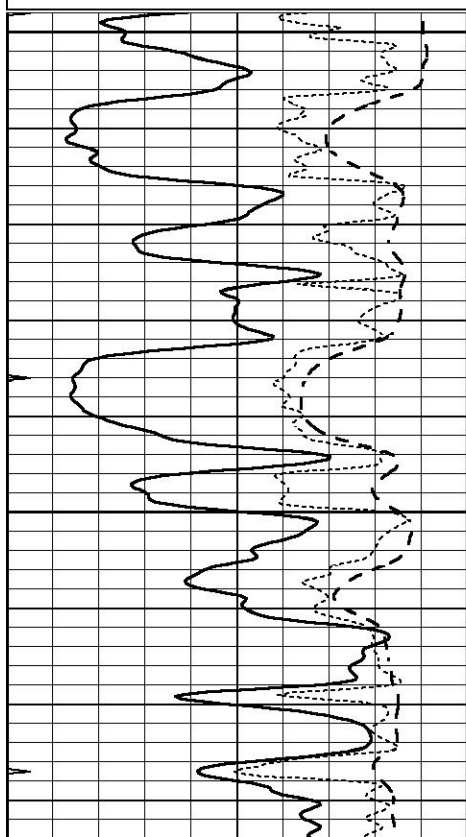
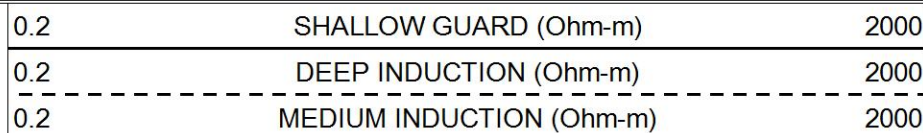
MAIN SECTION

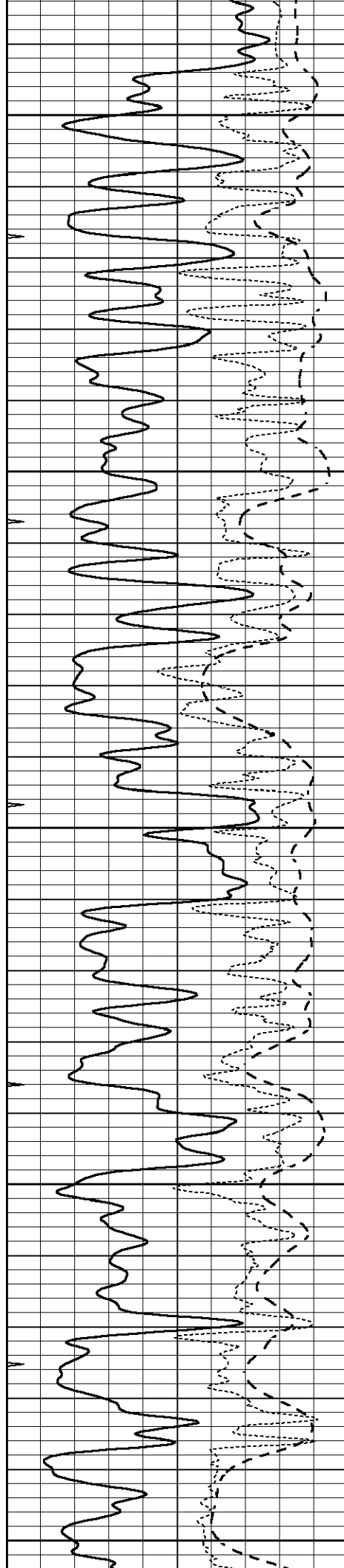
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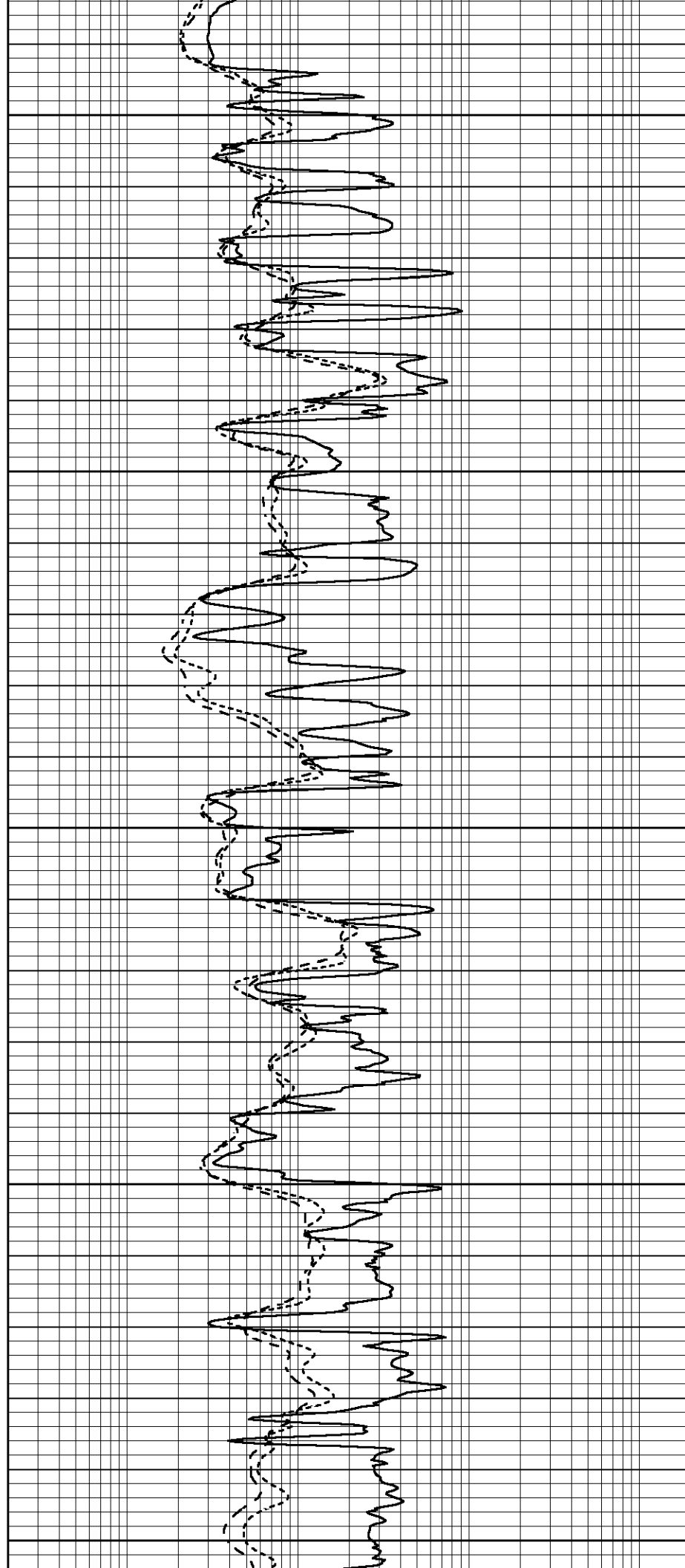
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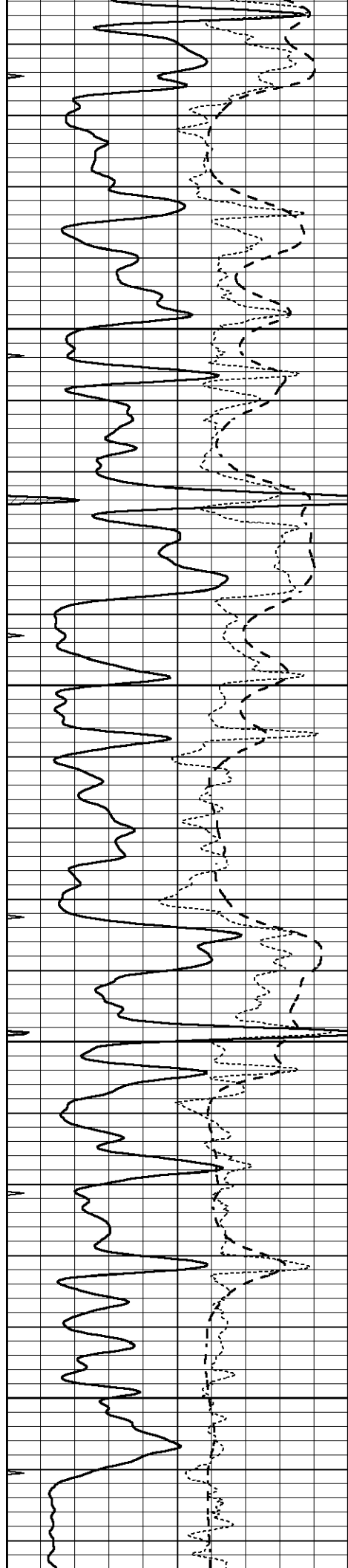
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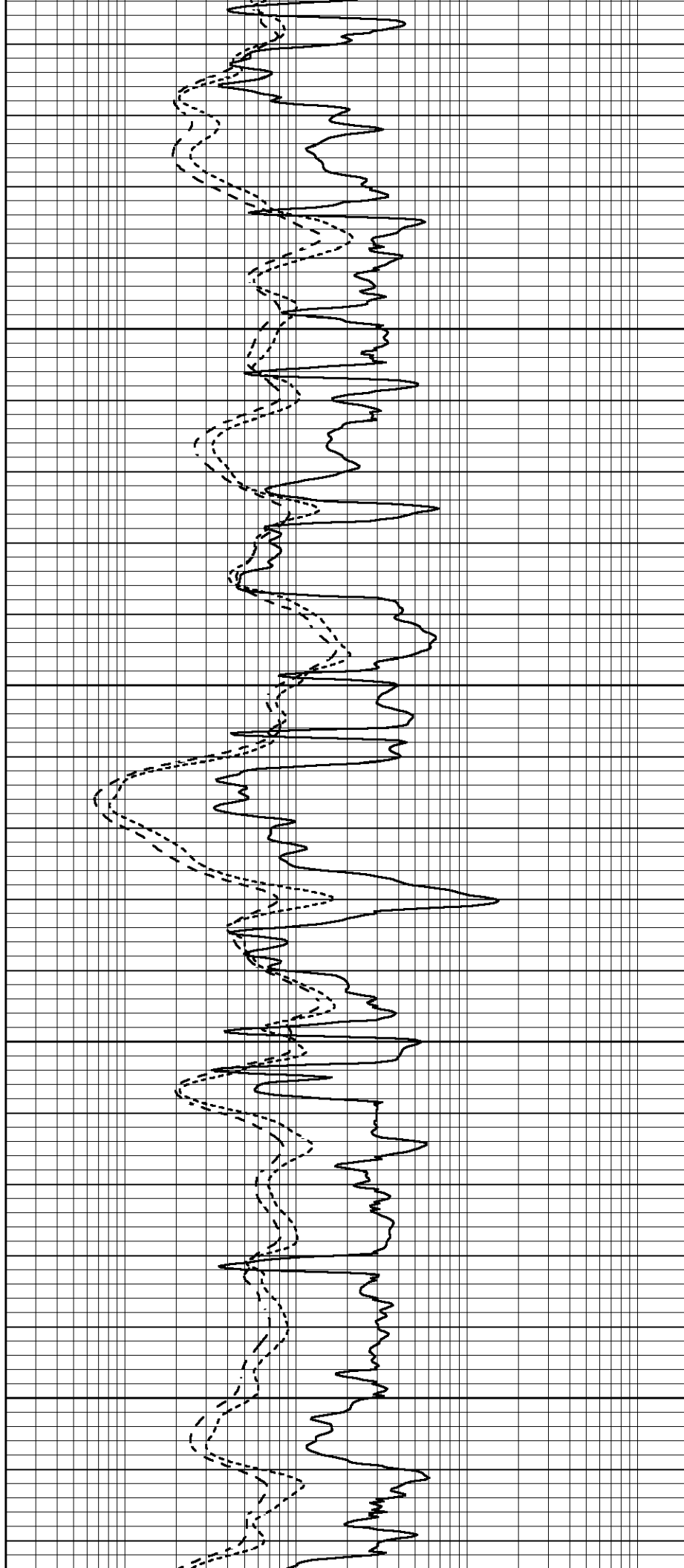


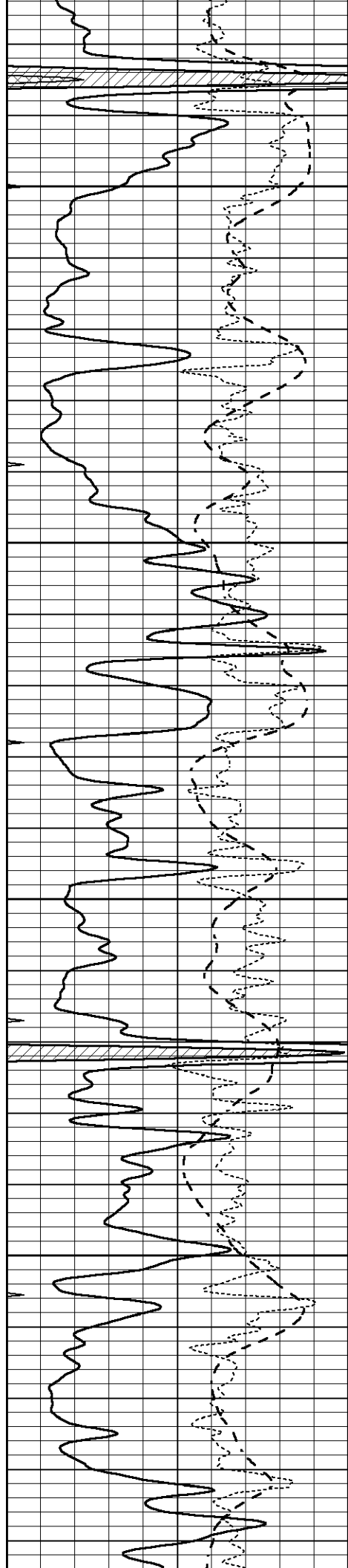
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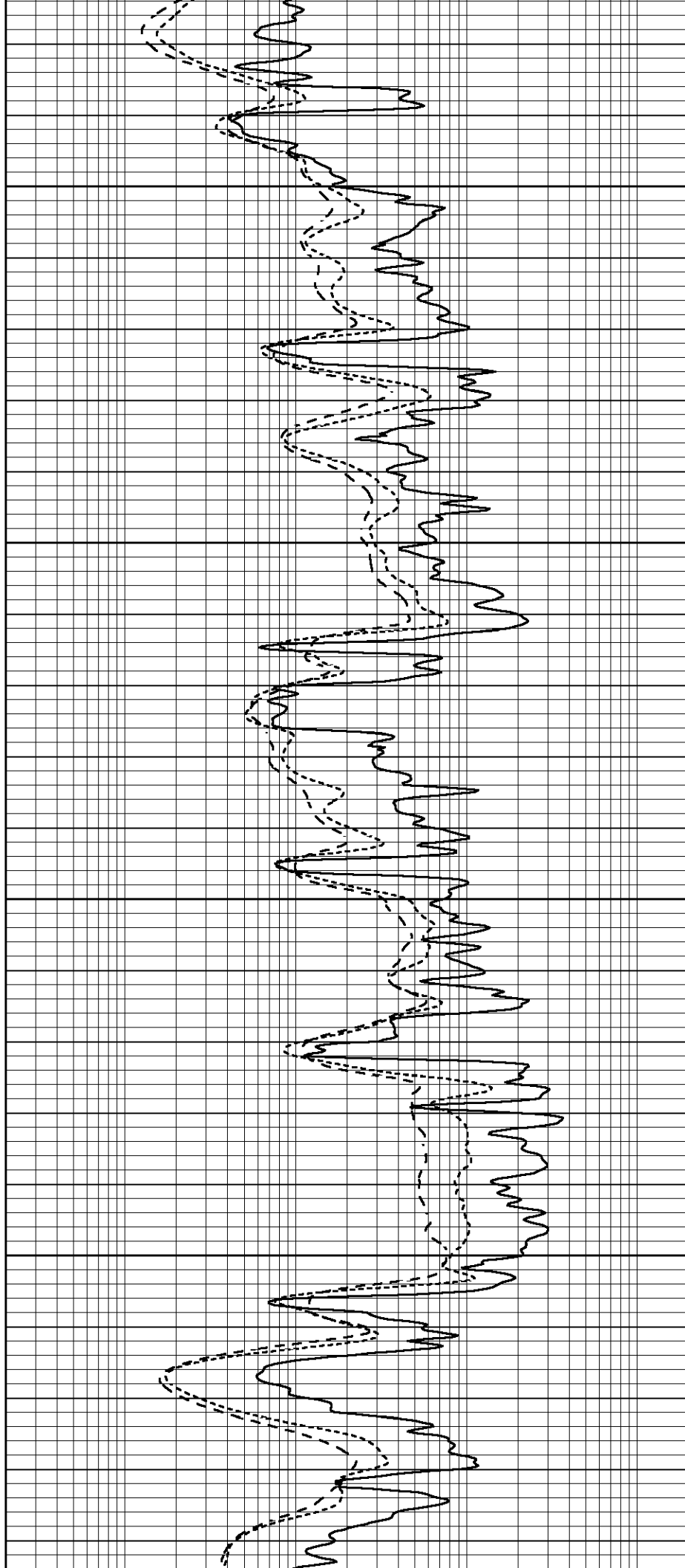


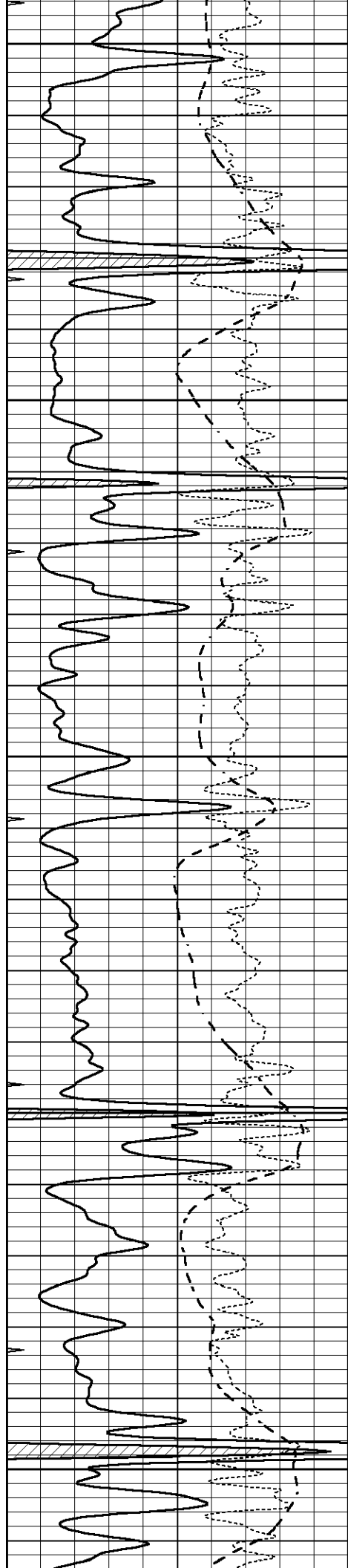
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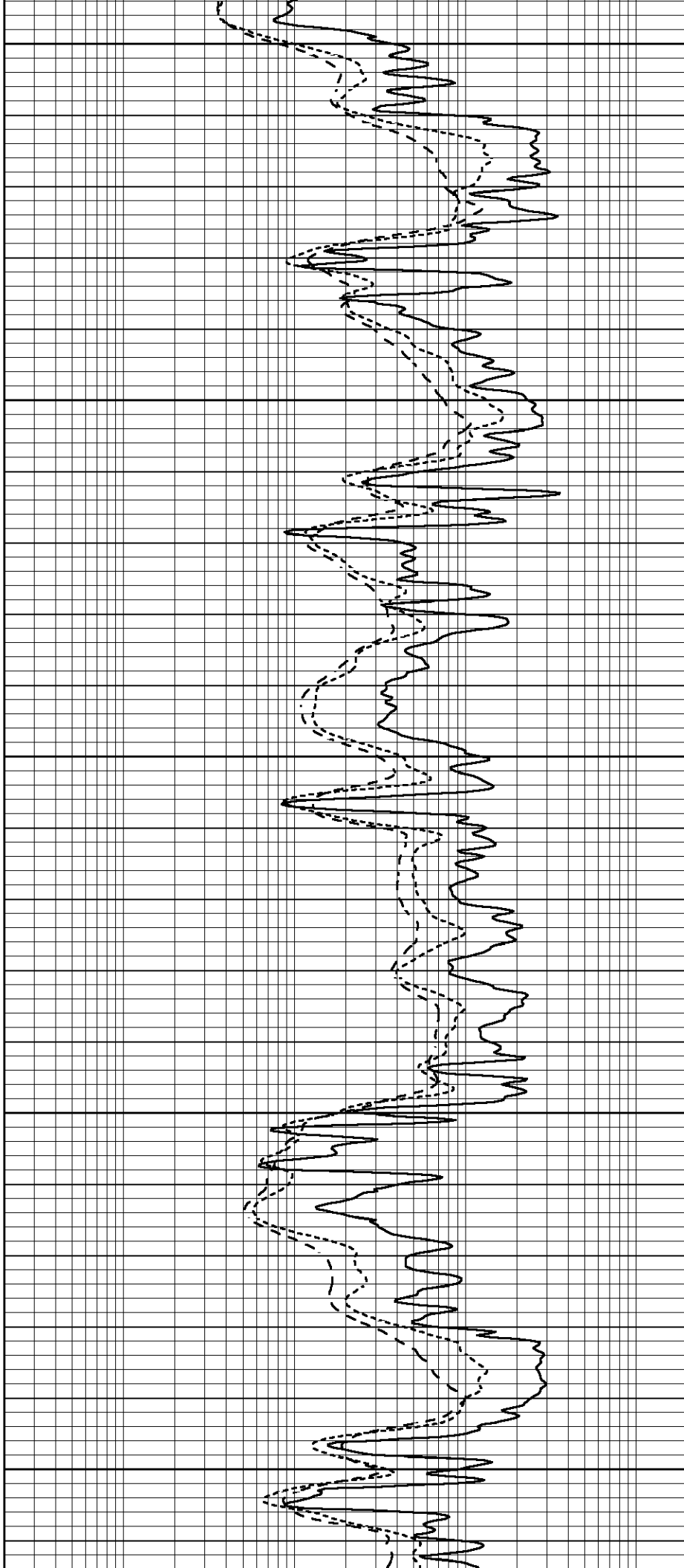
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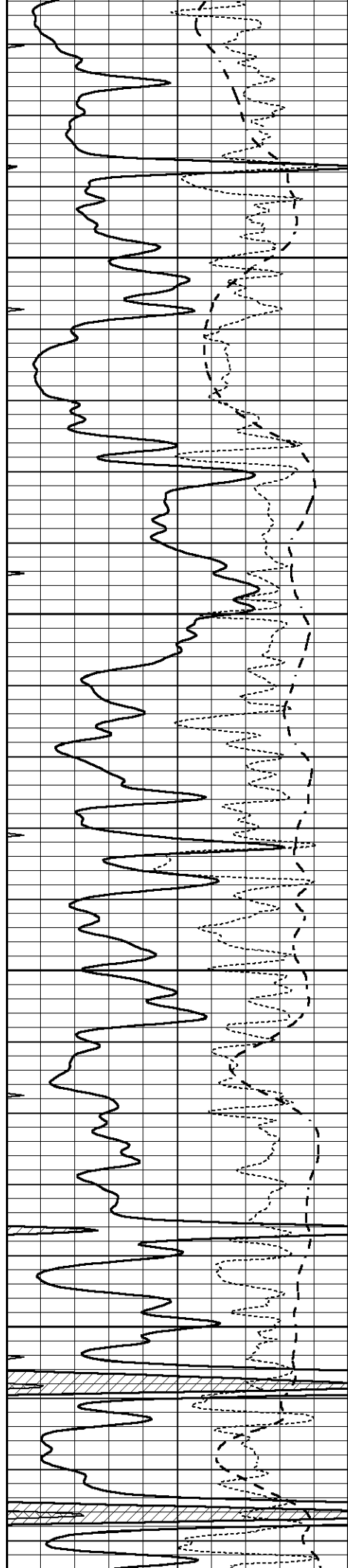
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4250



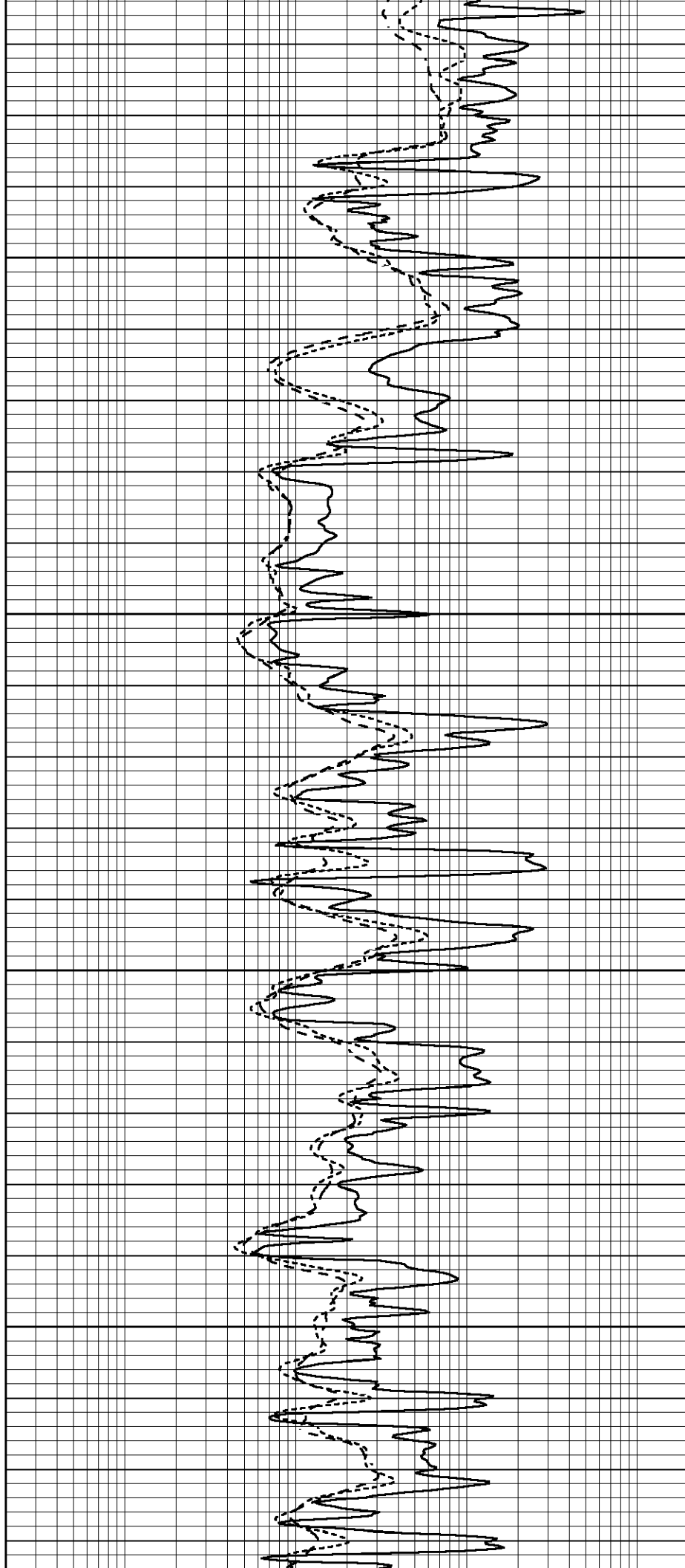


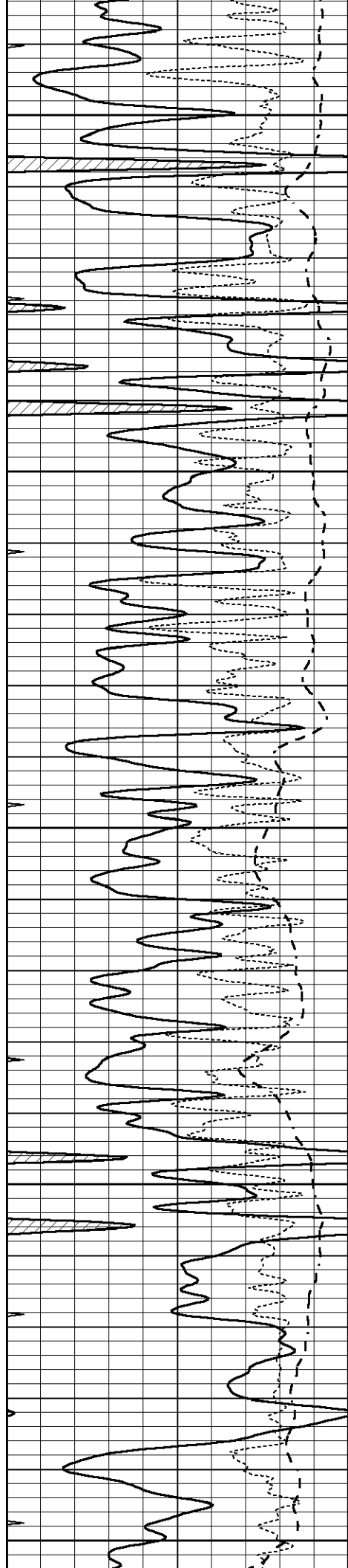
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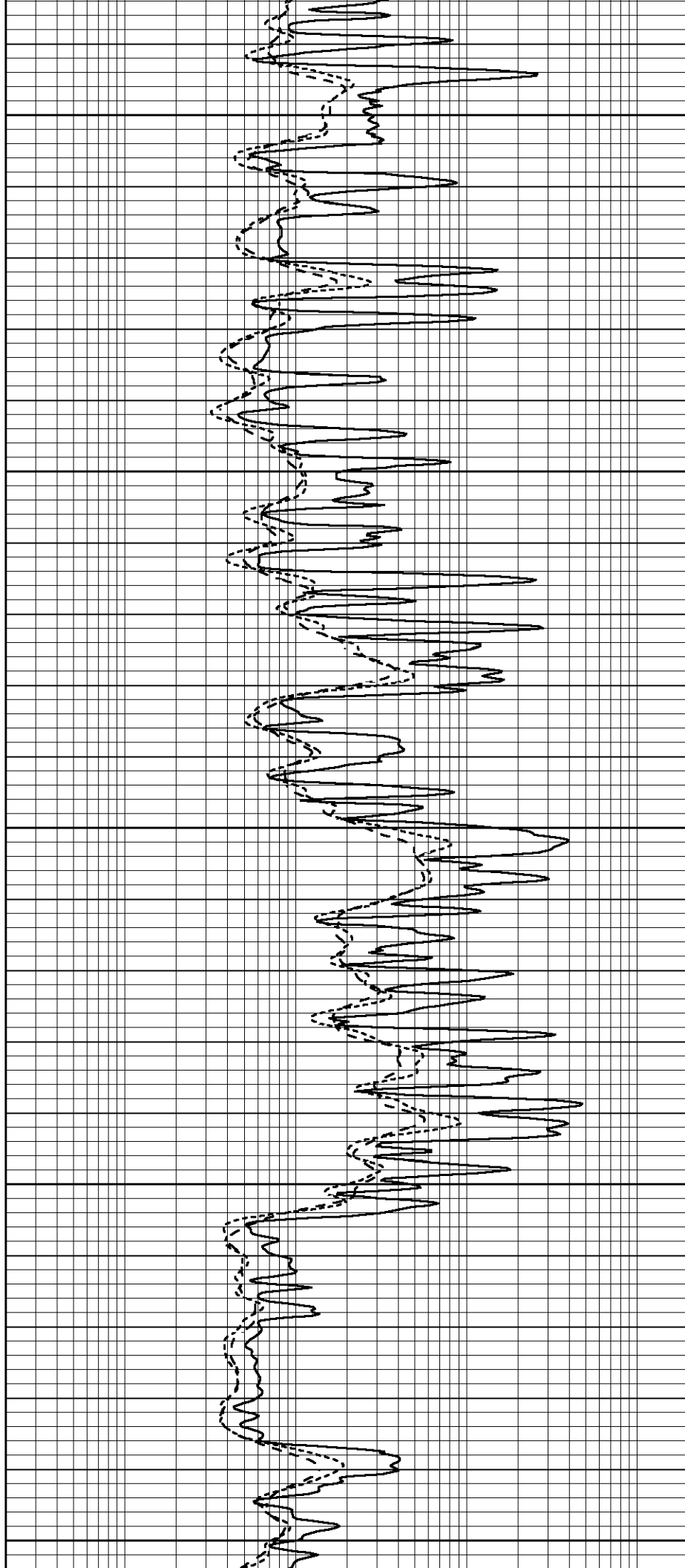
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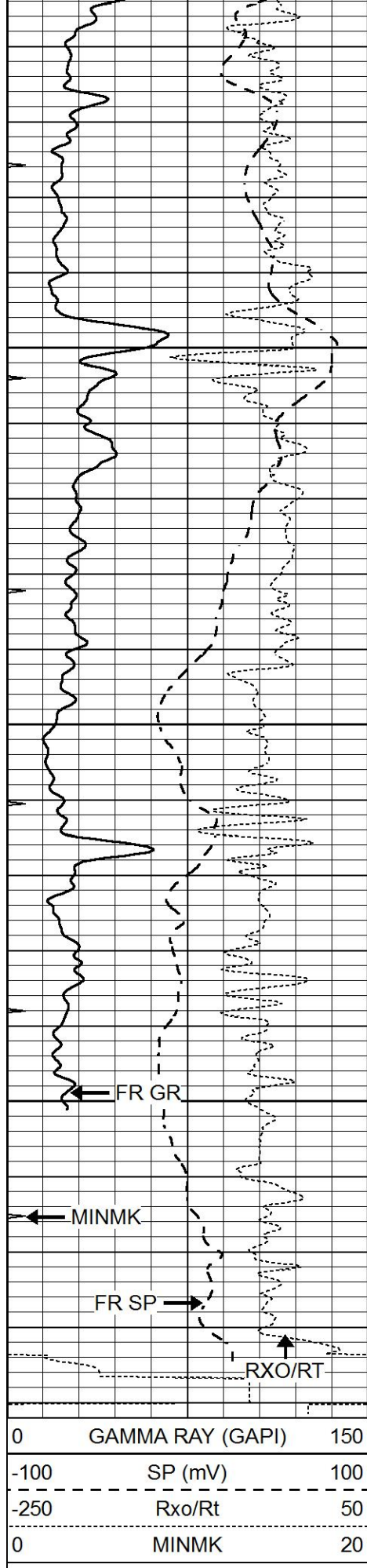
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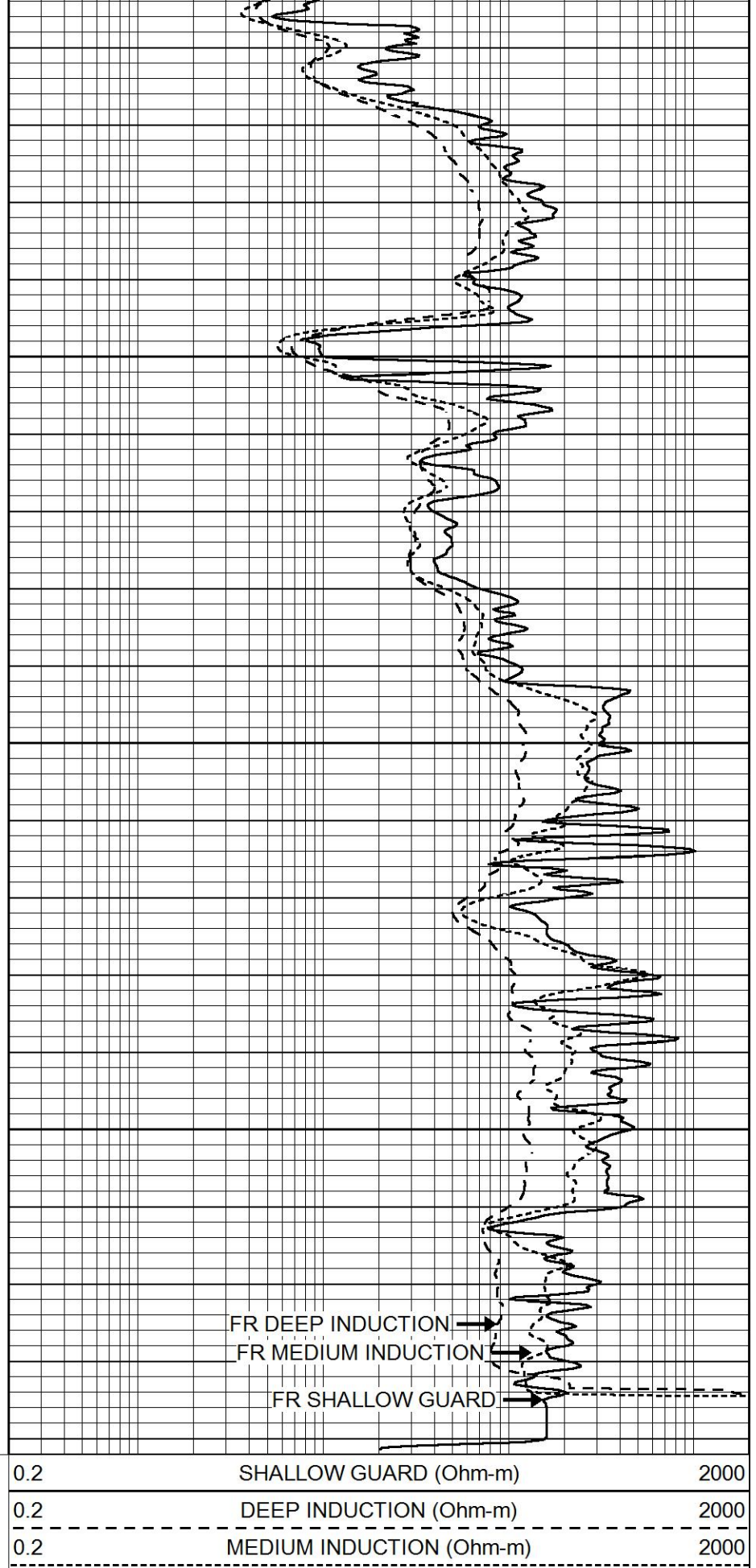


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LTD 4887



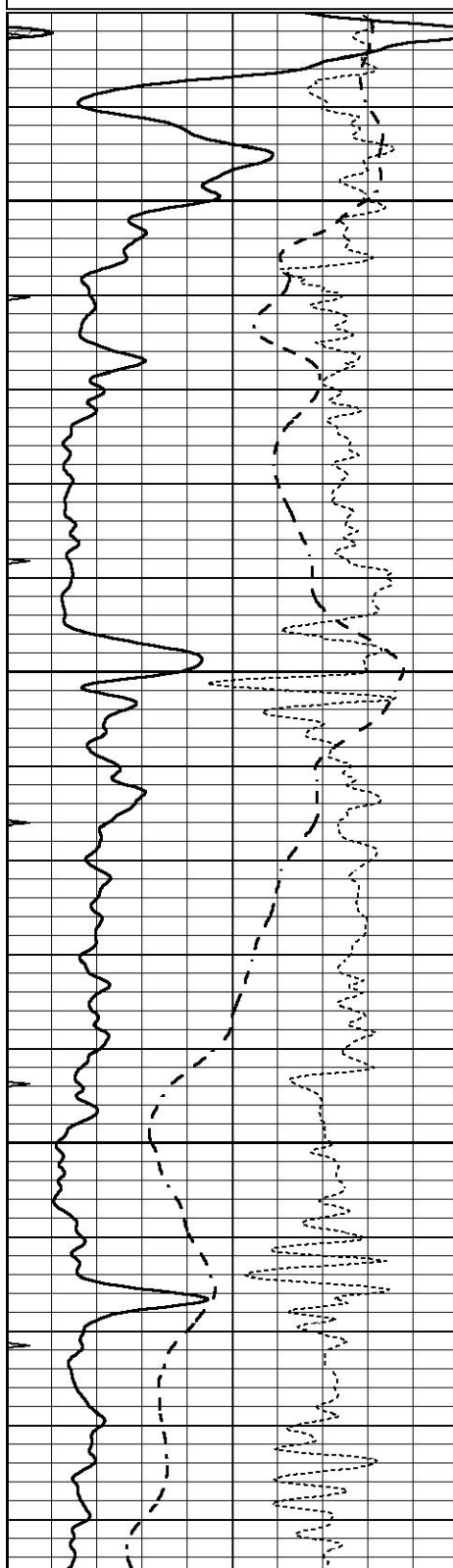


REPEAT SECTION

Database File 4810pe.db
Dataset Pathname pass2.9
Presentation Format _dil
Dataset Creation Sun Sep 13 08:33:53 2020
Charted by Depth in Feet scaled 1:240

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

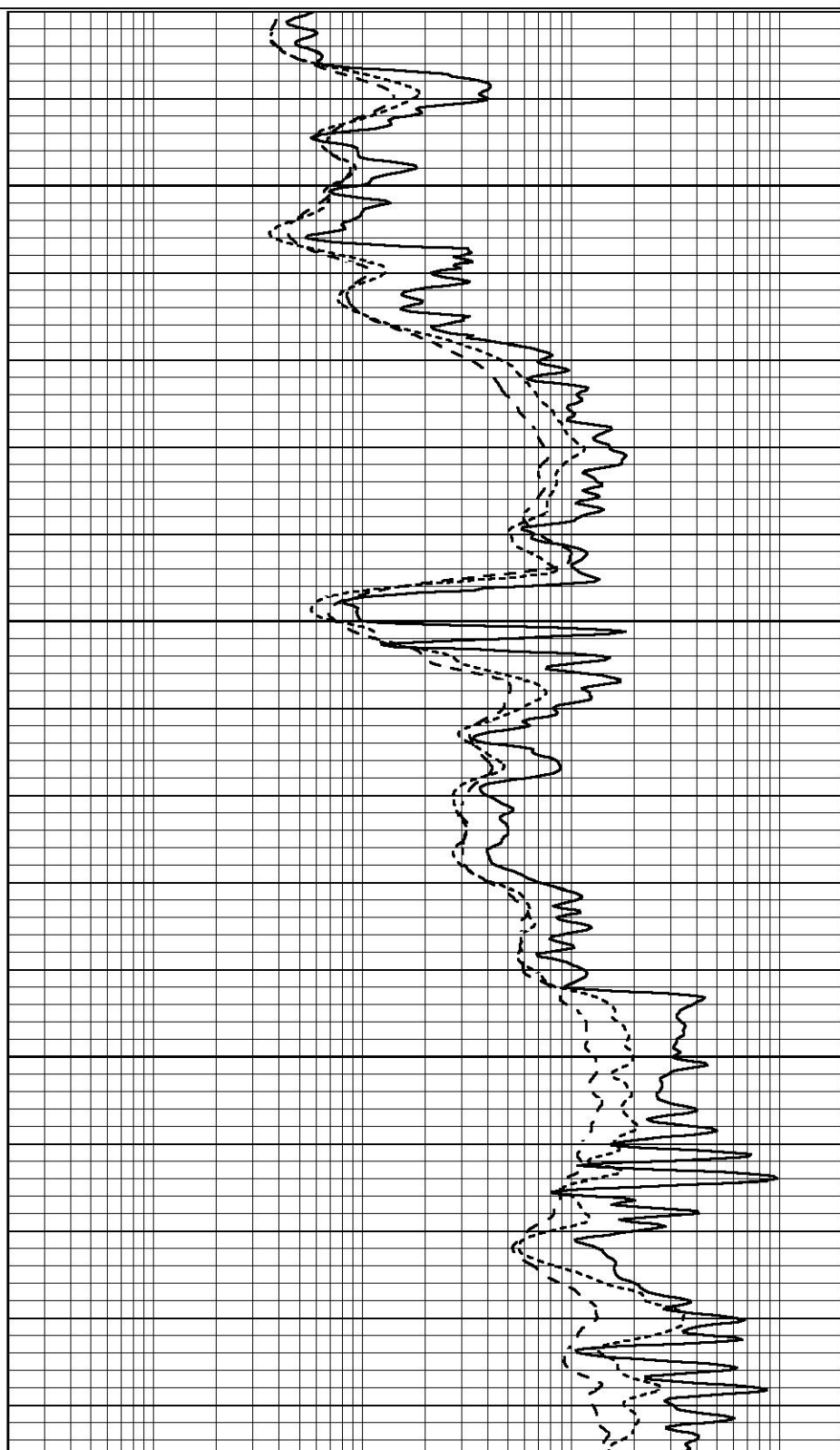
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

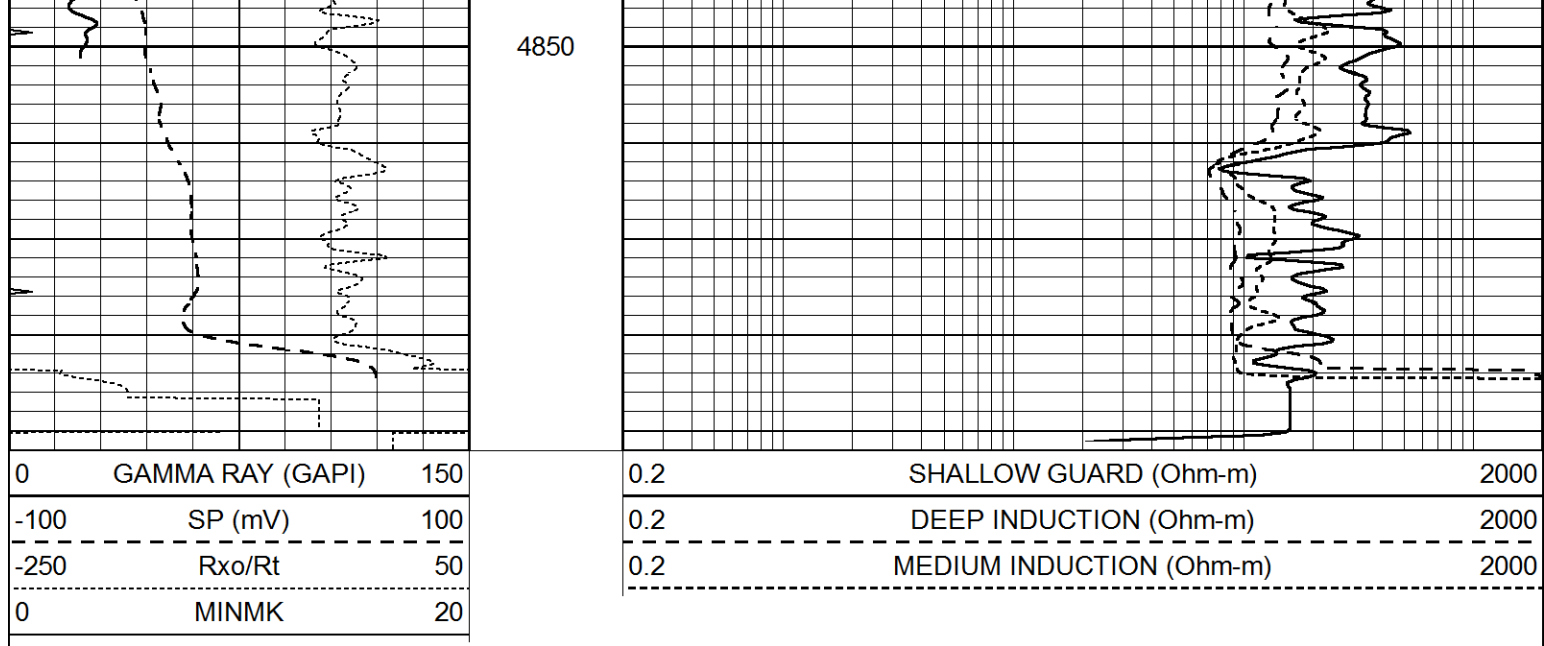


4700

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4800





Calibration Report									
Database File	4810pe.db								
Dataset Pathname	pass3.6								
Dataset Creation	Sun Sep 13 08:44:04 2020								
Dual Induction Calibration Report									
Serial-Model:					PROBE7-DILG				
Surface Cal Performed:					Sun Sep 13 05:52:44 2020				
Downhole Cal Performed:					Thu Mar 12 11:45:10 2020				
After Survey Verification Performed:					Thu Mar 12 11:45:00 2020				
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	620.000	4.000	
Medium	0.039	0.728	V	0.000	464.000	mmho/m	675.000	-53.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256	
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102	
Downhole Calibration									
		Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000	
LL3		7.500	V		1400.000	Ohm-m			
		0.000	V		20.000	Ohm-m			
		-7.200	V		4000.000	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			
		0.000	Ohm-m		0.000	Ohm-m			

Litho Density Calibration Report
 Serial: 003 Model: PRB

Master Calibration

Performed Mon May 11 11:11:10 2020

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	6088.4	14971.1	8028.3	7691.8	cps
Window 2	5948.0	13017.2	7488.0	7264.1	cps
Window 3	1282.1	5830.7	2242.8	2125.4	cps
Window 4	365.4	367.2	362.0	364.6	cps
Long Space	0.0	7069.2	1540.0	1316.1	cps
Short Space	1.8	2869.4	1829.2	1548.1	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 43.5	Rib Slope	: 0.950	Density/Spine Ratio	: 0.554
Spine Angle	: 73.5	Spine Slope	: 3.385	Spine Intercept	: -18.1

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	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: 070808PMC
 Tool Model: NABORS

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
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Short Space	cps		
Long Space	cps	pu	pu
Gamma Ray Calibration Report			
Serial Number:	070558		
Tool Model:	OPEN_GR		
Performed:	Wed Jul 03 10:25:53 2019		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	