

DUAL INDUCTION LOG

Company	SHAKESPEARE OIL COMPANY, INC.		
Well	WELLS #1-27		
Field	UNNAMED		
County	WICHITA	State	KANSAS
Location:	API # : 15-203-20391-0000		
Permanent Datum	GROUND LEVEL	Elevation	3198
Log Measured From	KELLY BUSHING 9' A.G.L		
Drilling Measured From	KELLY BUSHING		
SEC 27	TWP 16S	RGE 35W	
Other Services	CDL/CNL/PE MEL/SONIC		
Elevation	K.B. 3207 D.F. 3205 G.L. 3198		
Date	7/12/24		
Run Number	ONE		
Depth Driller	4836		
Depth Logger	4838		
Bottom Logged Interval	4836		
Top Log Interval	00		
Casing Driller	8.625@236		
Casing Logger	236		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,300 PPM	
Density / Viscosity	9.3/63		
pH / Fluid Loss	10.5/5.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.650@84F		
Rmf @ Meas. Temp	.488@84F		
Rmc @ Meas. Temp	.780@84F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.440@124F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	11:15 A.M.		
Maximum Recorded Temperature	124F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KENT MATSON		

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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.

15-203-20391-0000

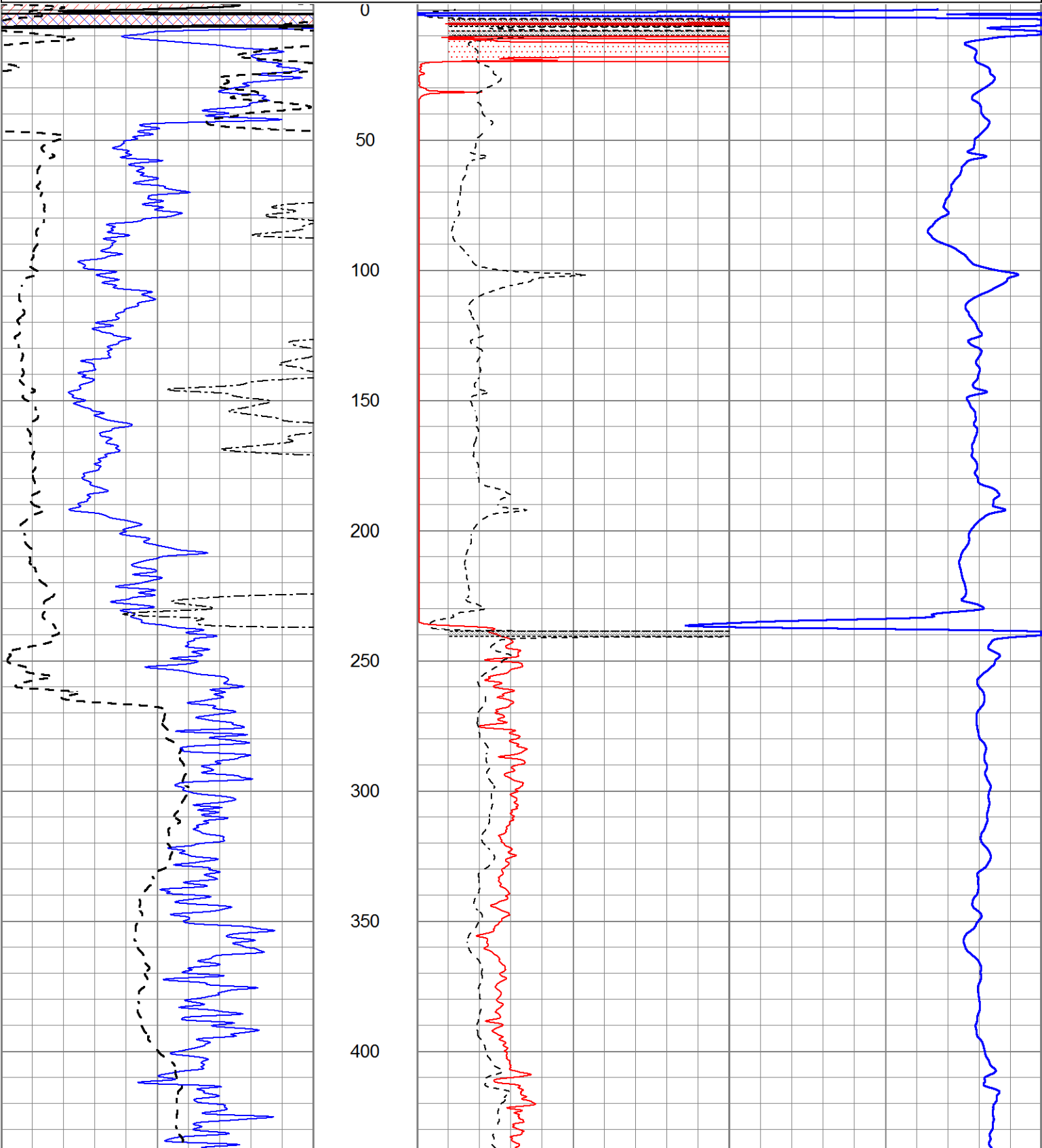
Comments

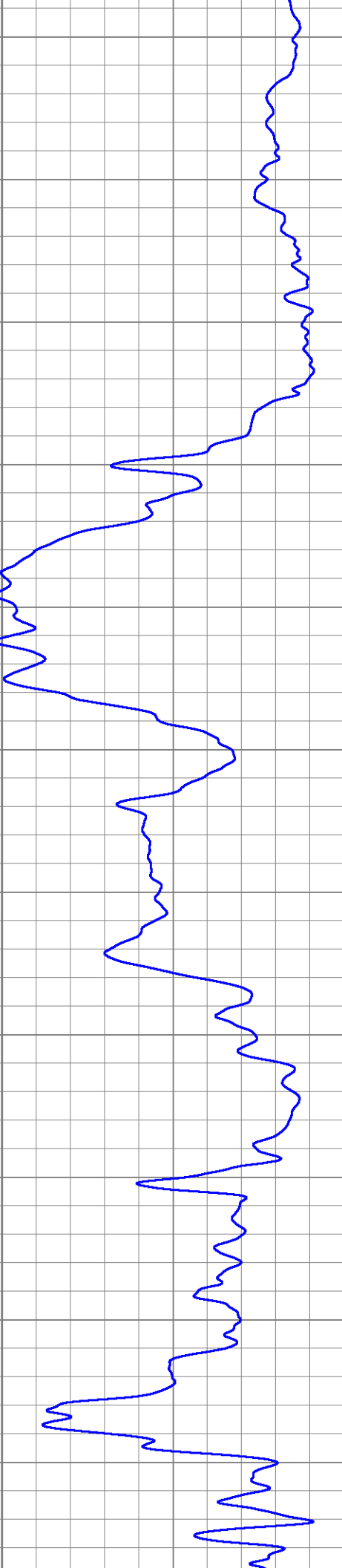
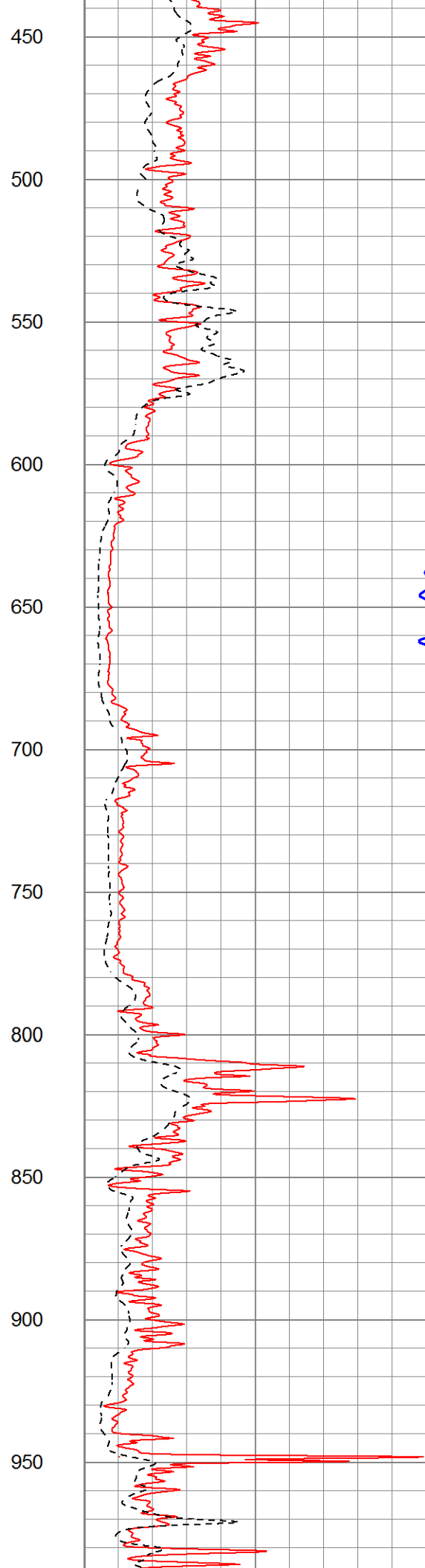
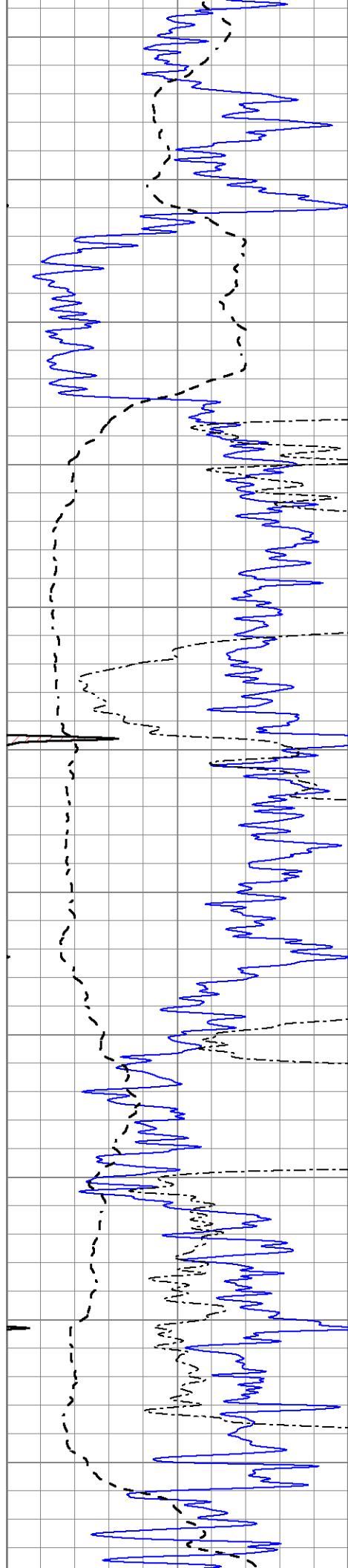
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS
PENCE, KS., 6W. TO "RD. 22", 2S., E. INTO AND BACK NORTH

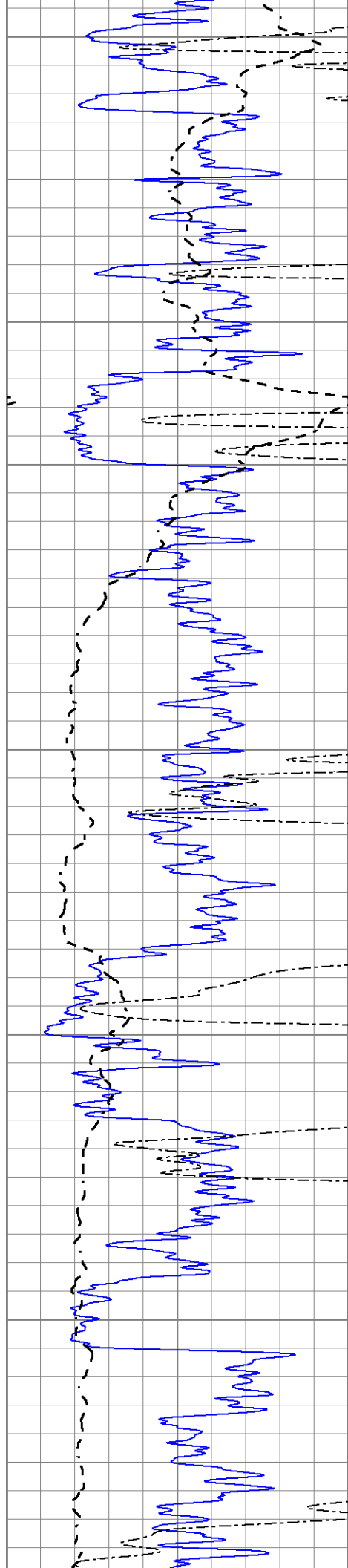


MAIN SECTION

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







1000

1050

1100

1150

1200

1250

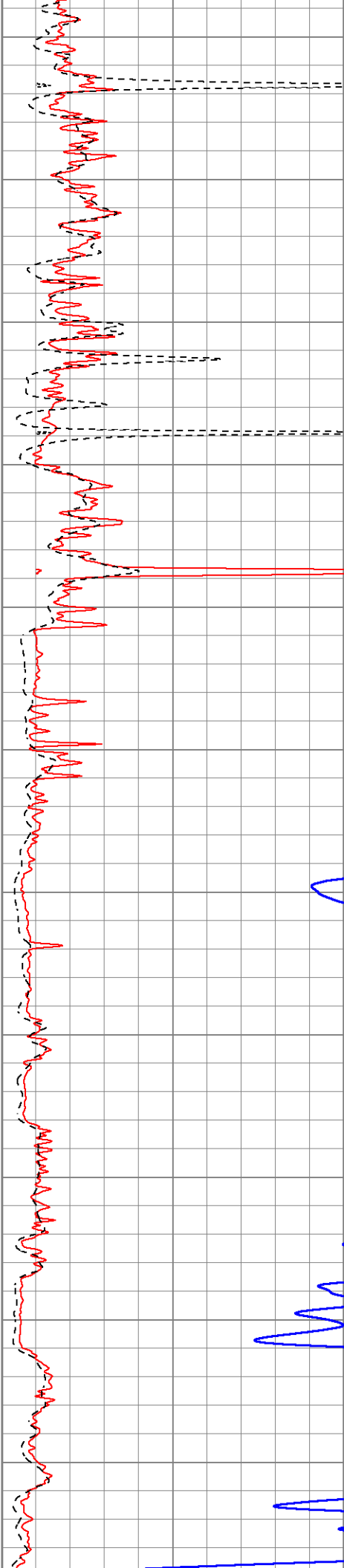
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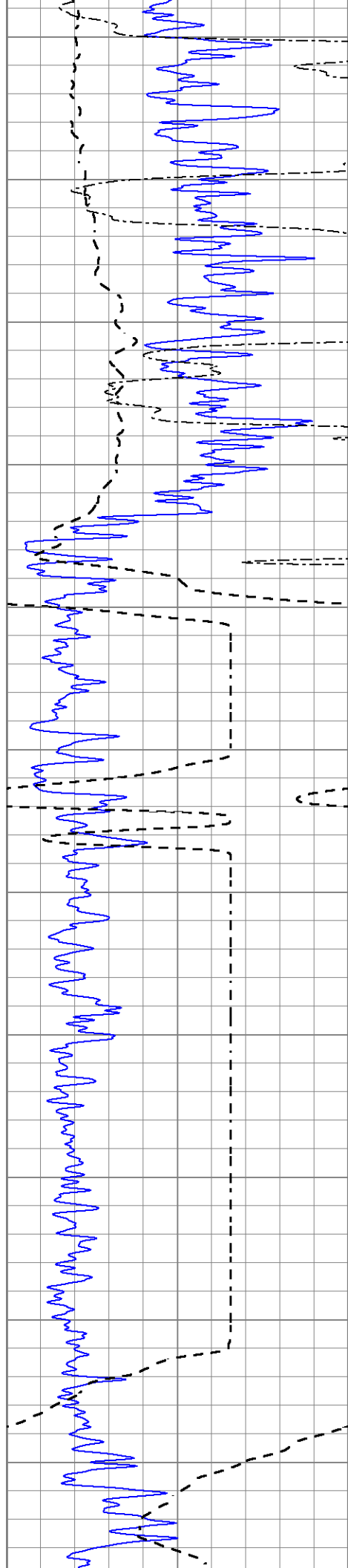
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1500





1550

1600

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1700

1750

1800

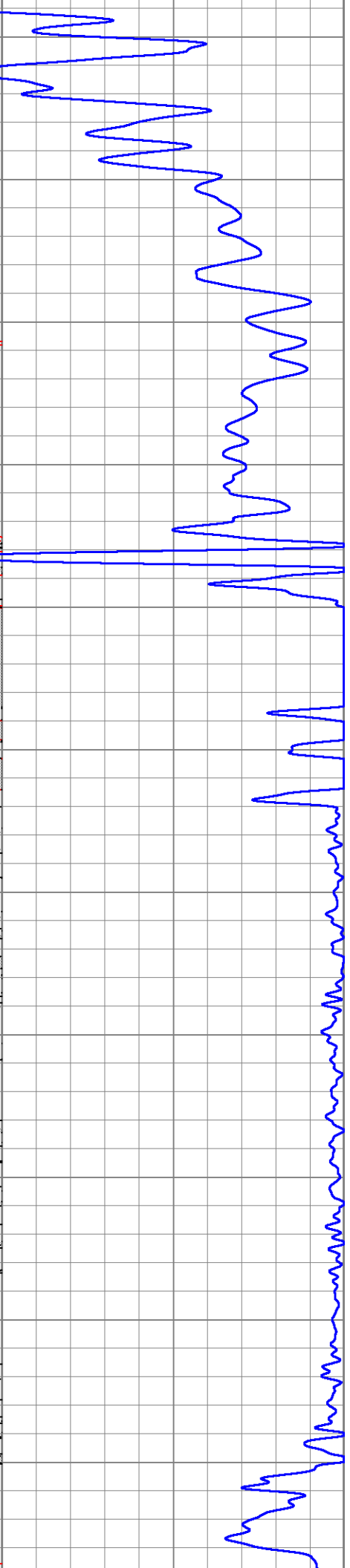
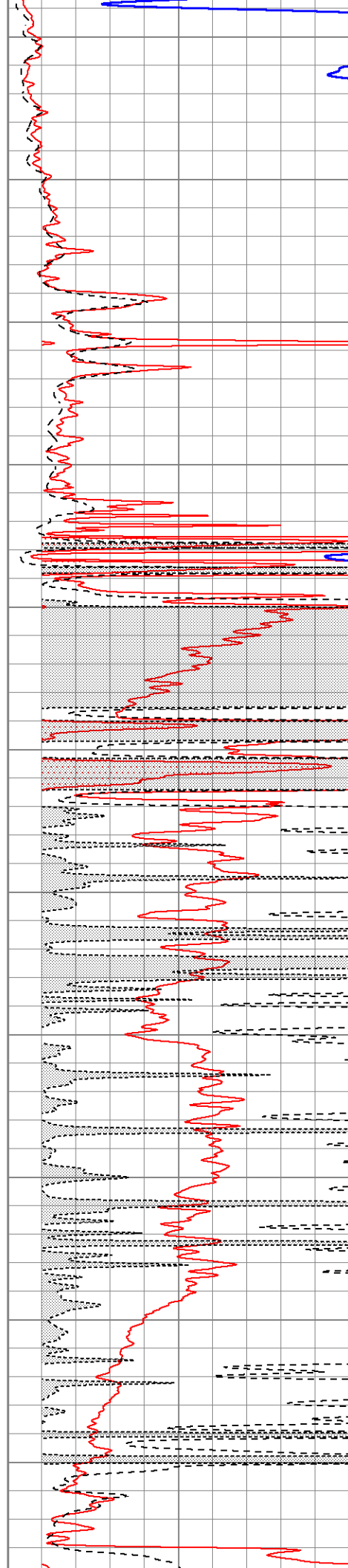
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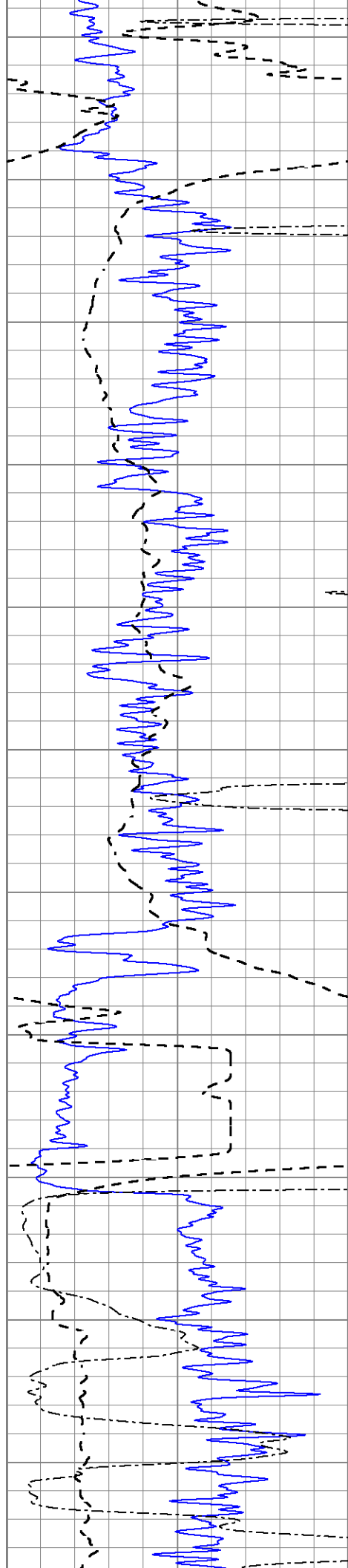
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1950

2000

2050





2100

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2350

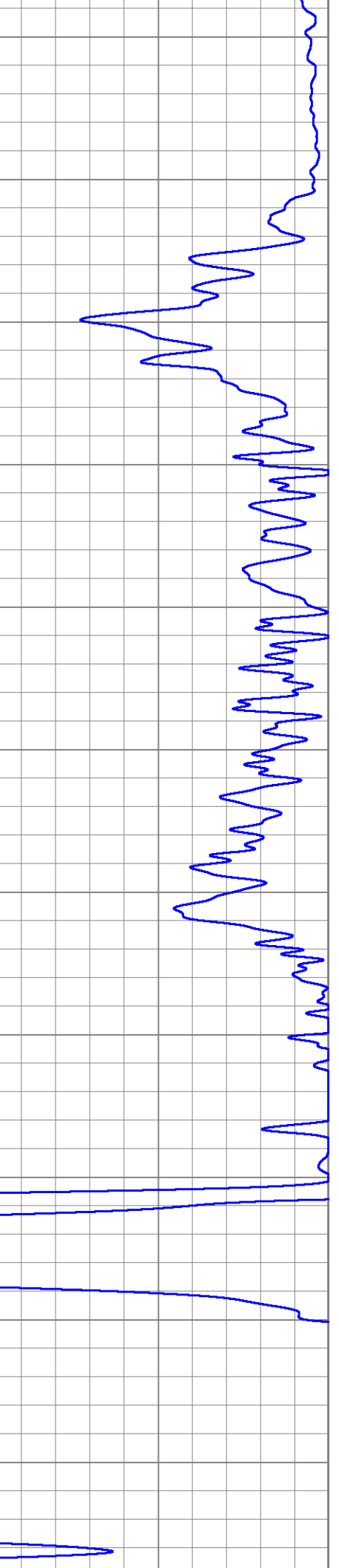
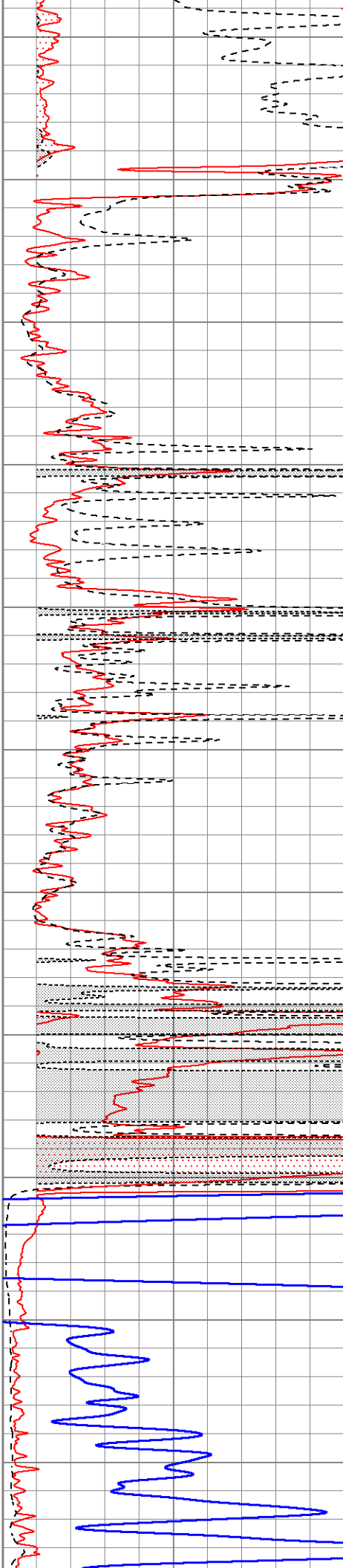
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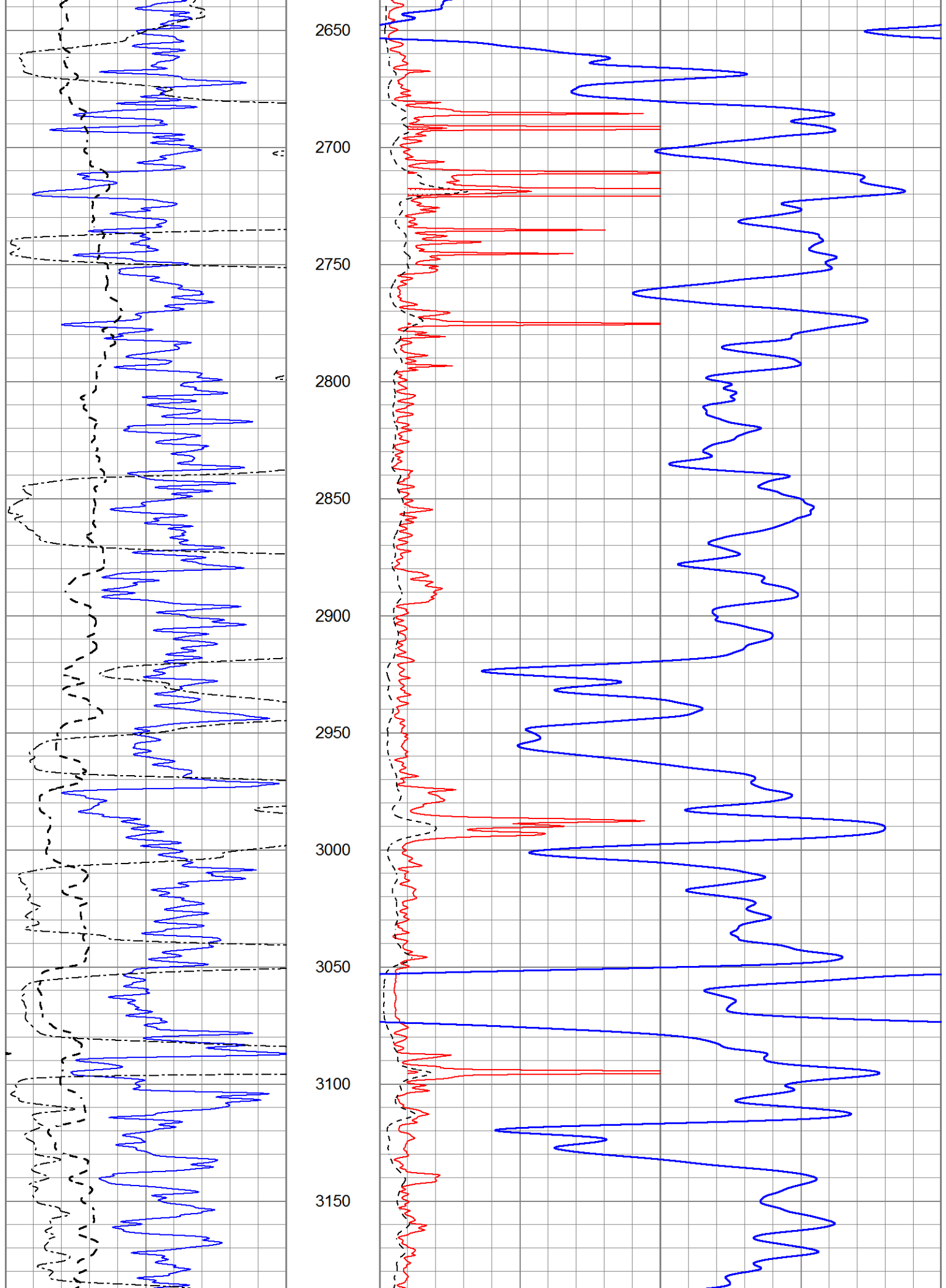
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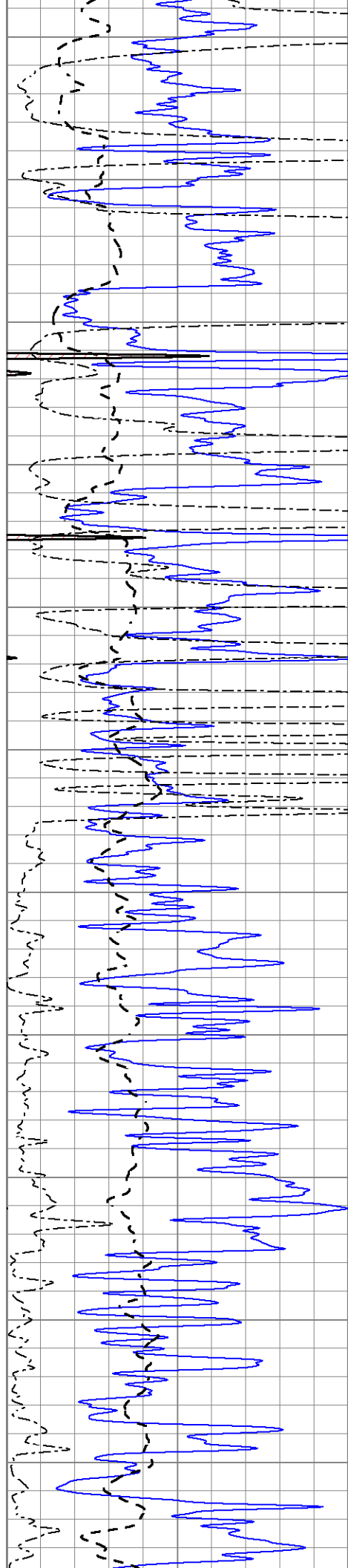
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2600







3200

3250

3300

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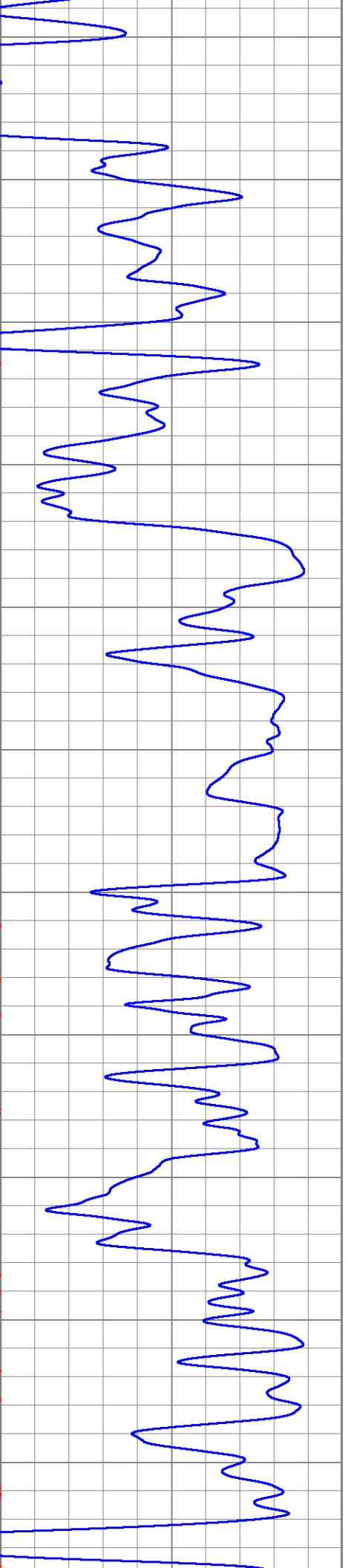
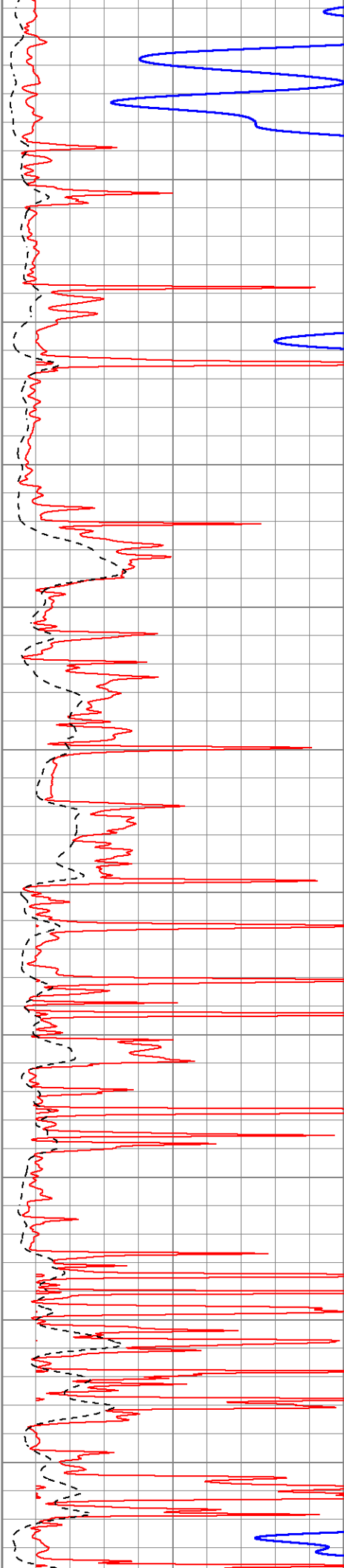
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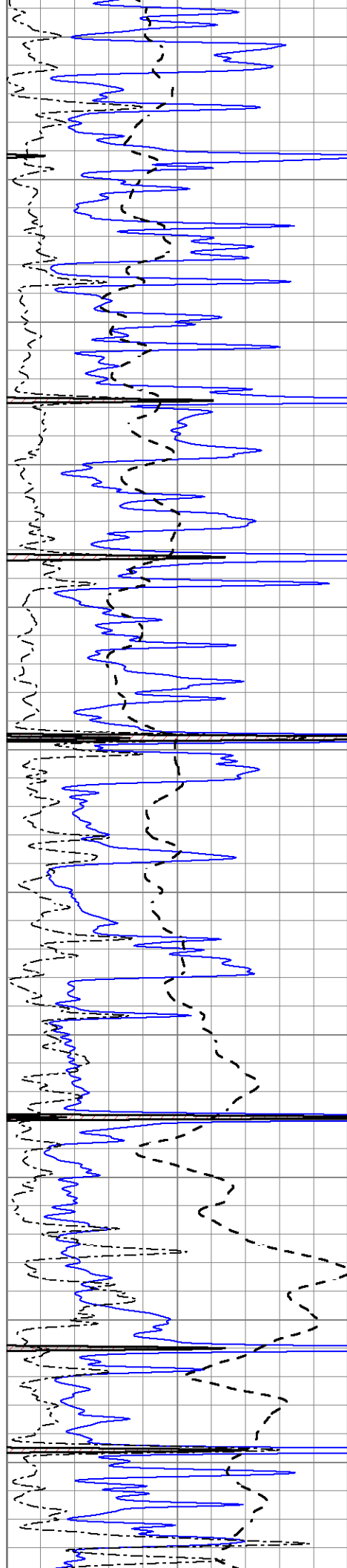
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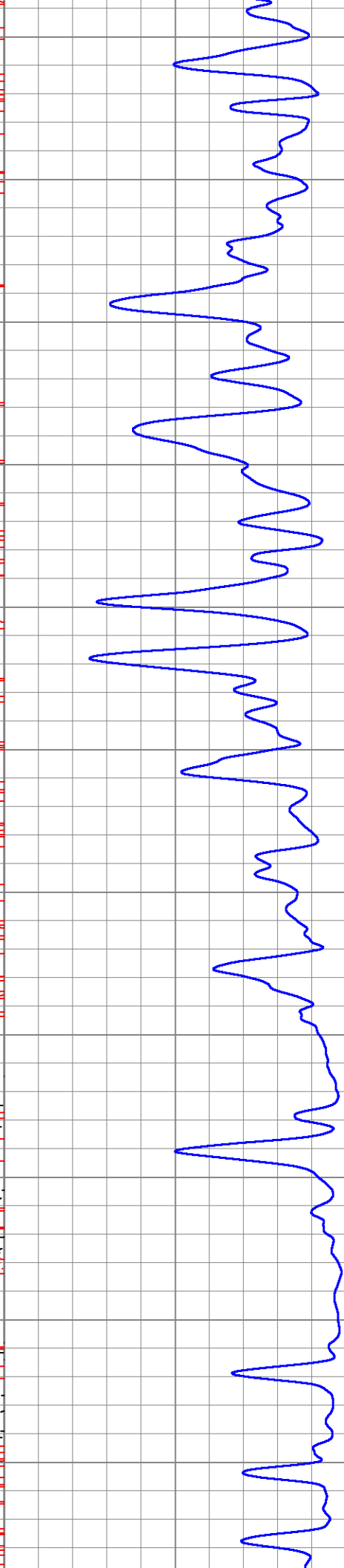
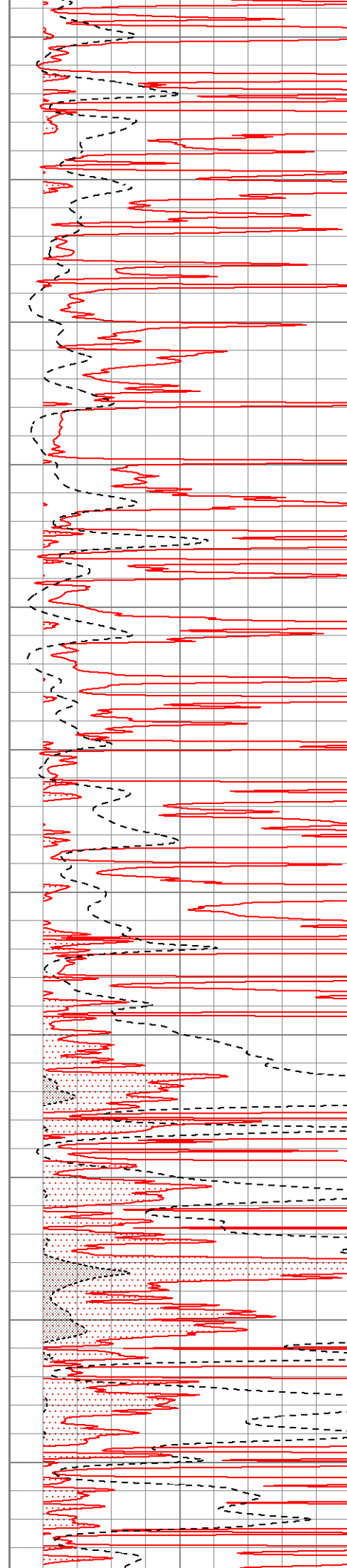
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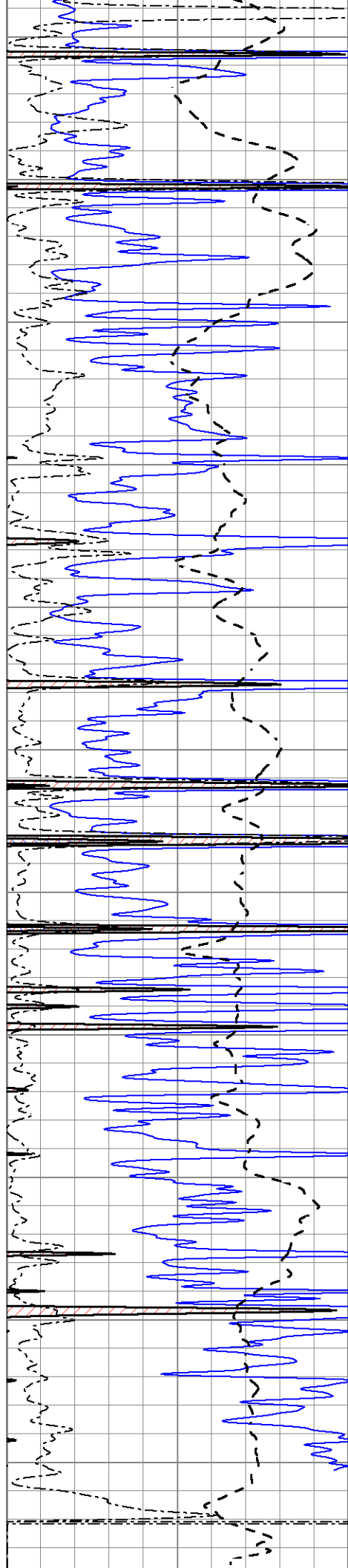
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4150

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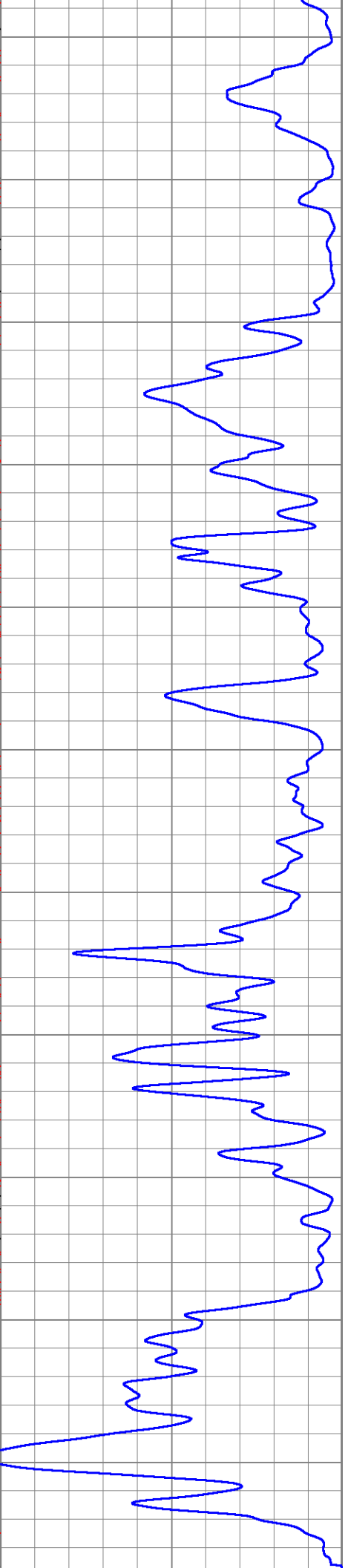
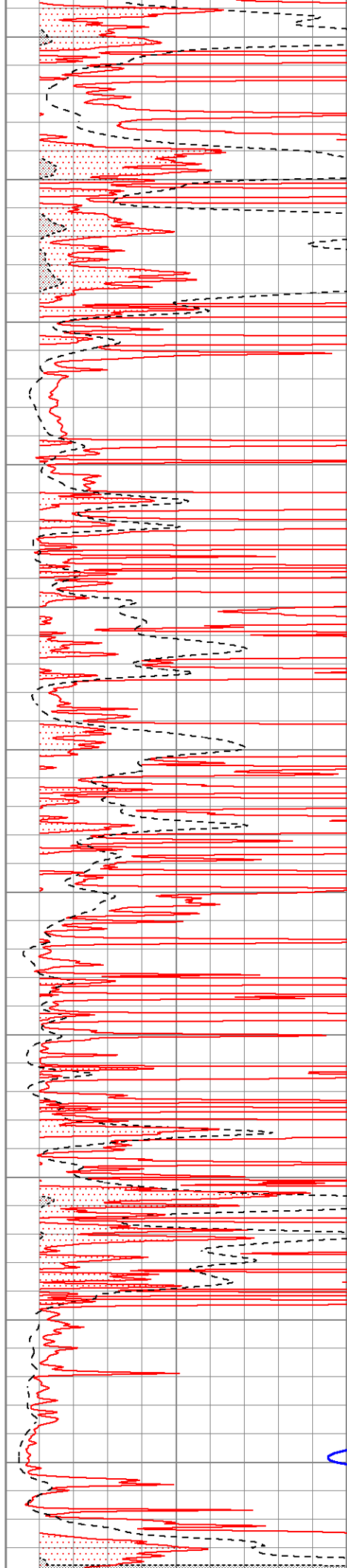
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4650

4700

4750

4800



0	Gamma Ray (GAPI)	150
-100	SP (mV)	100
0	RWA (Ohm-m)	1

1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500



ANHYDRITE

Database File

8644pe.db

Dataset Pathname

pass3.1A

Presentation Format

_dil

Dataset Creation

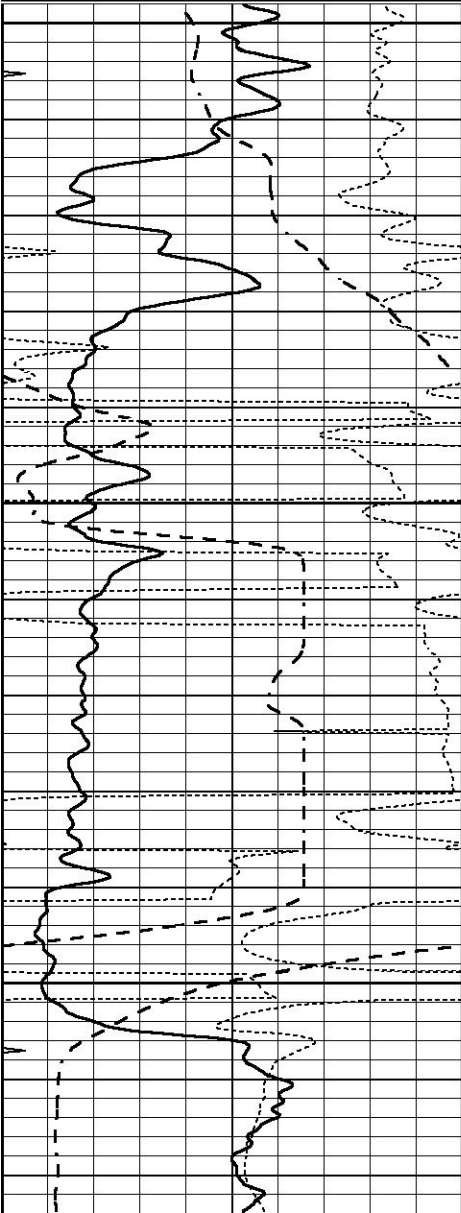
Fri Jul 12 13:17:10 2024

Charted by

Depth in Feet scaled 1:240

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

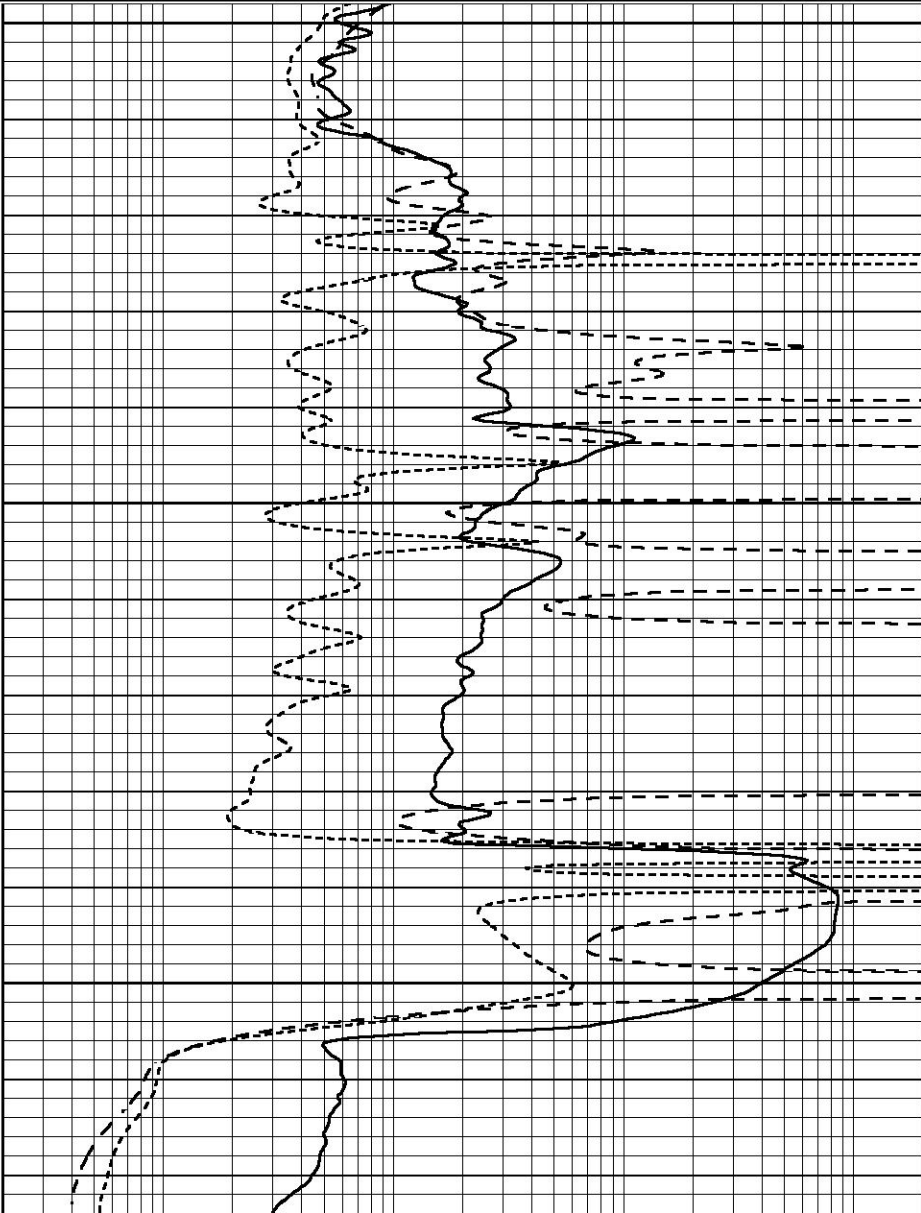
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

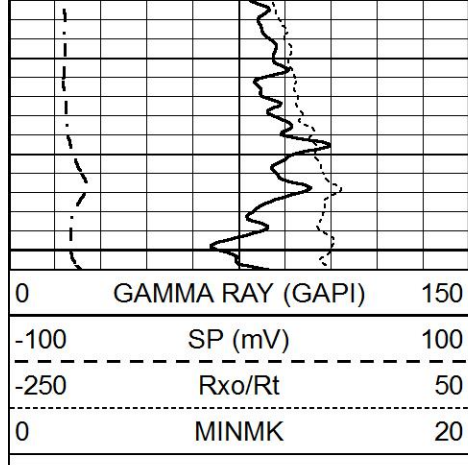


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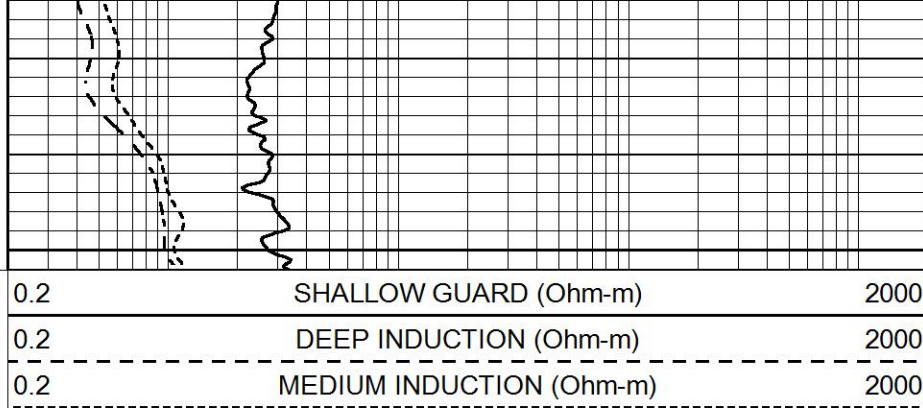
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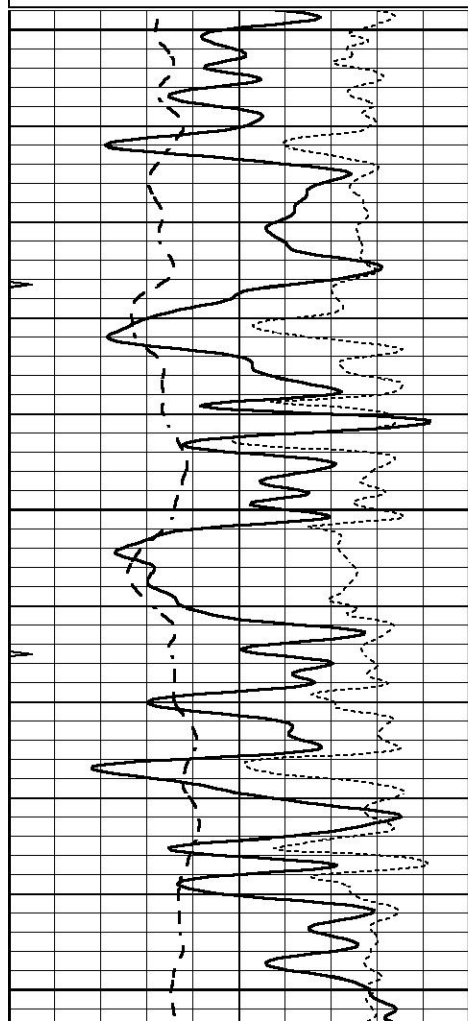
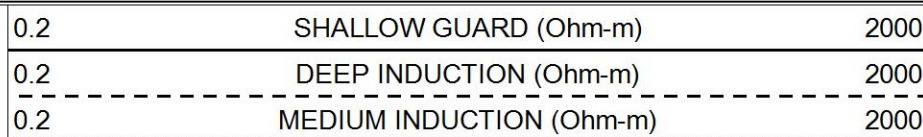
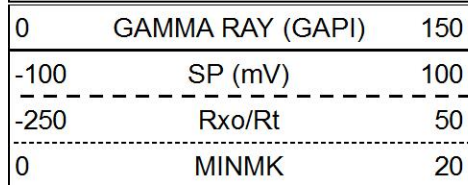


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MAIN SECTION

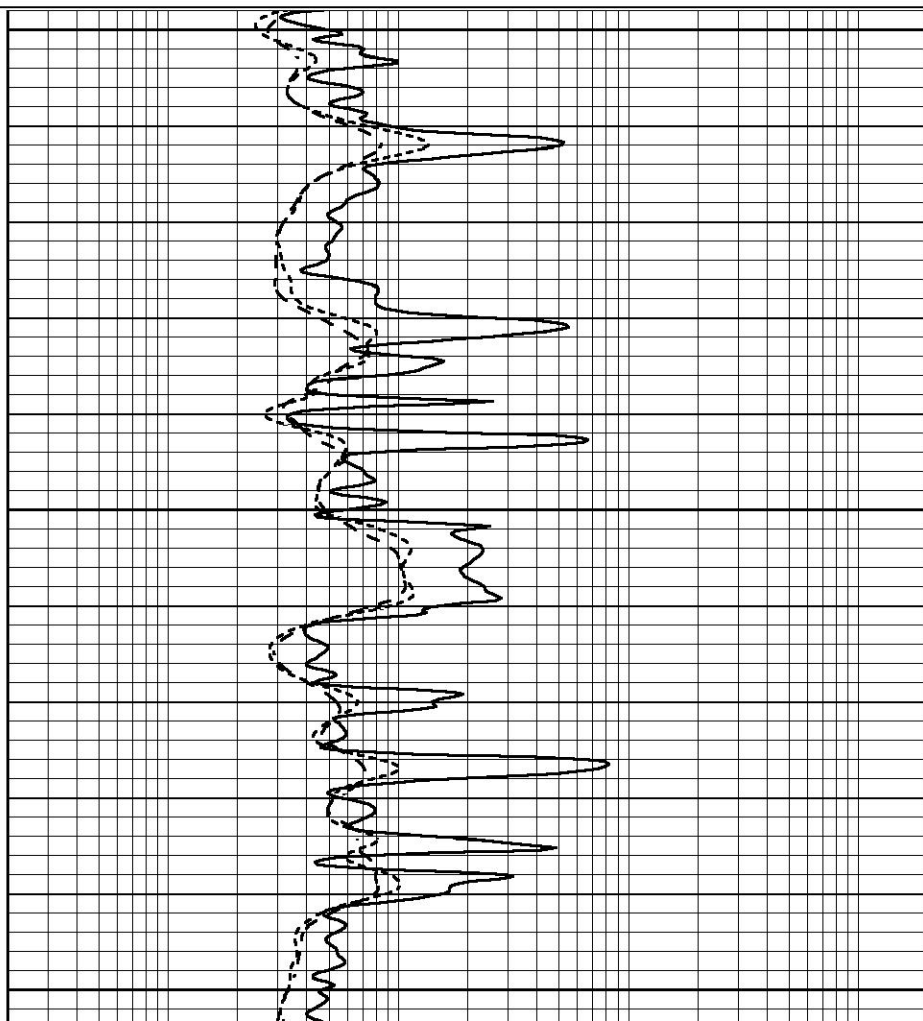
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 Dataset Pathname pass3.1M
 Presentation Format _dil
 Dataset Creation Fri Jul 12 13:16:16 2024
 Charted by Depth in Feet scaled 1:240

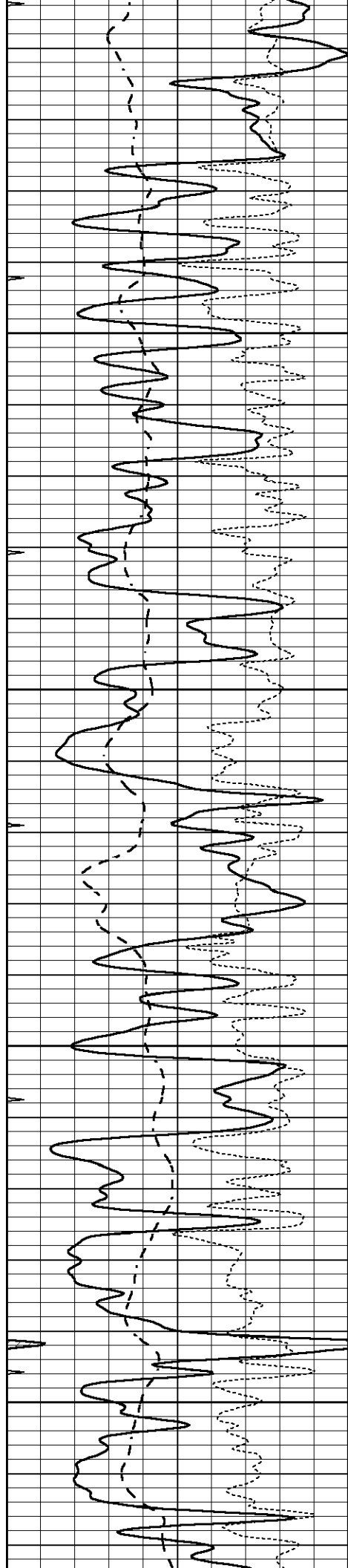


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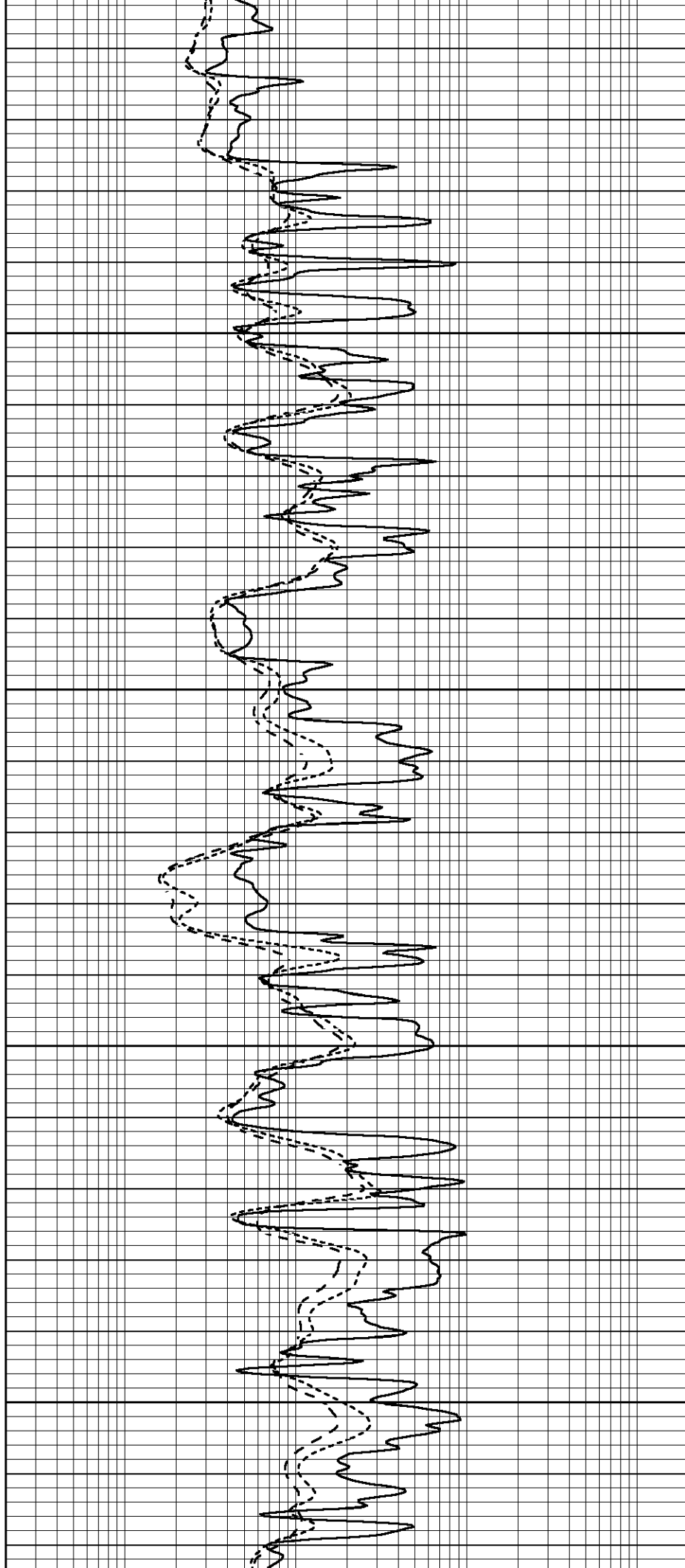


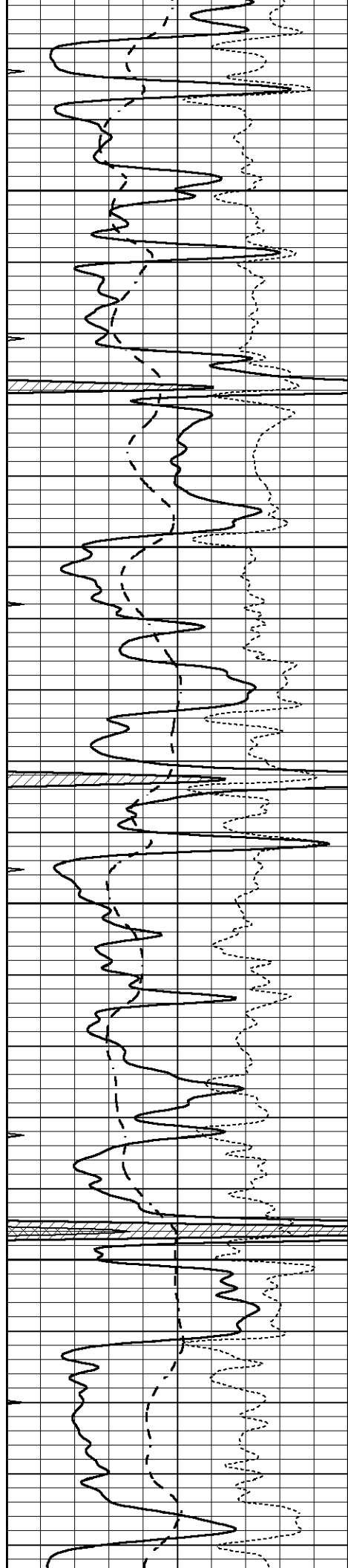
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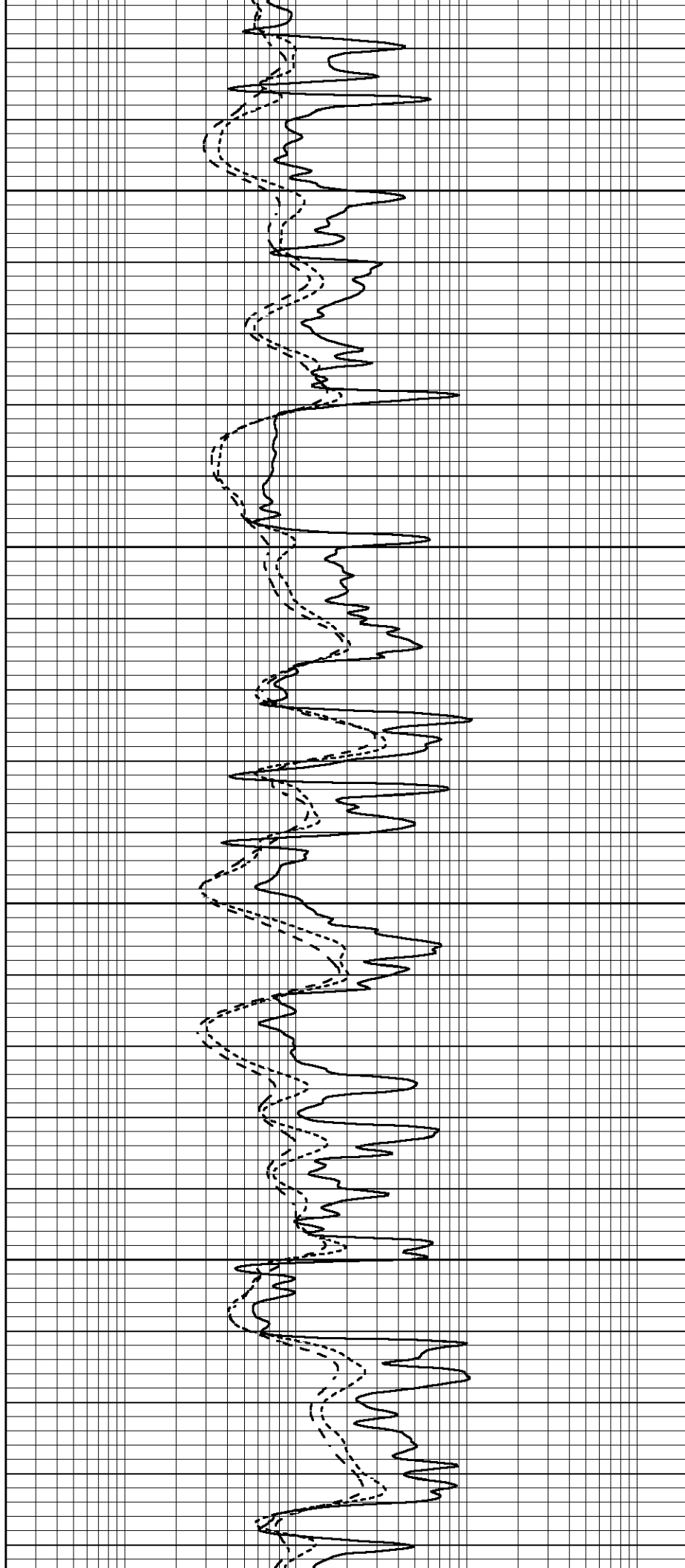


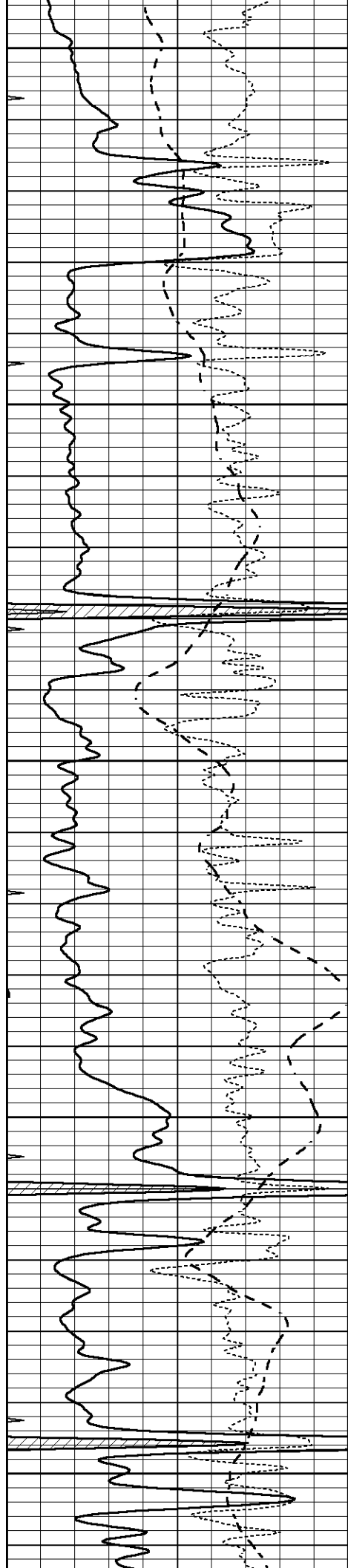
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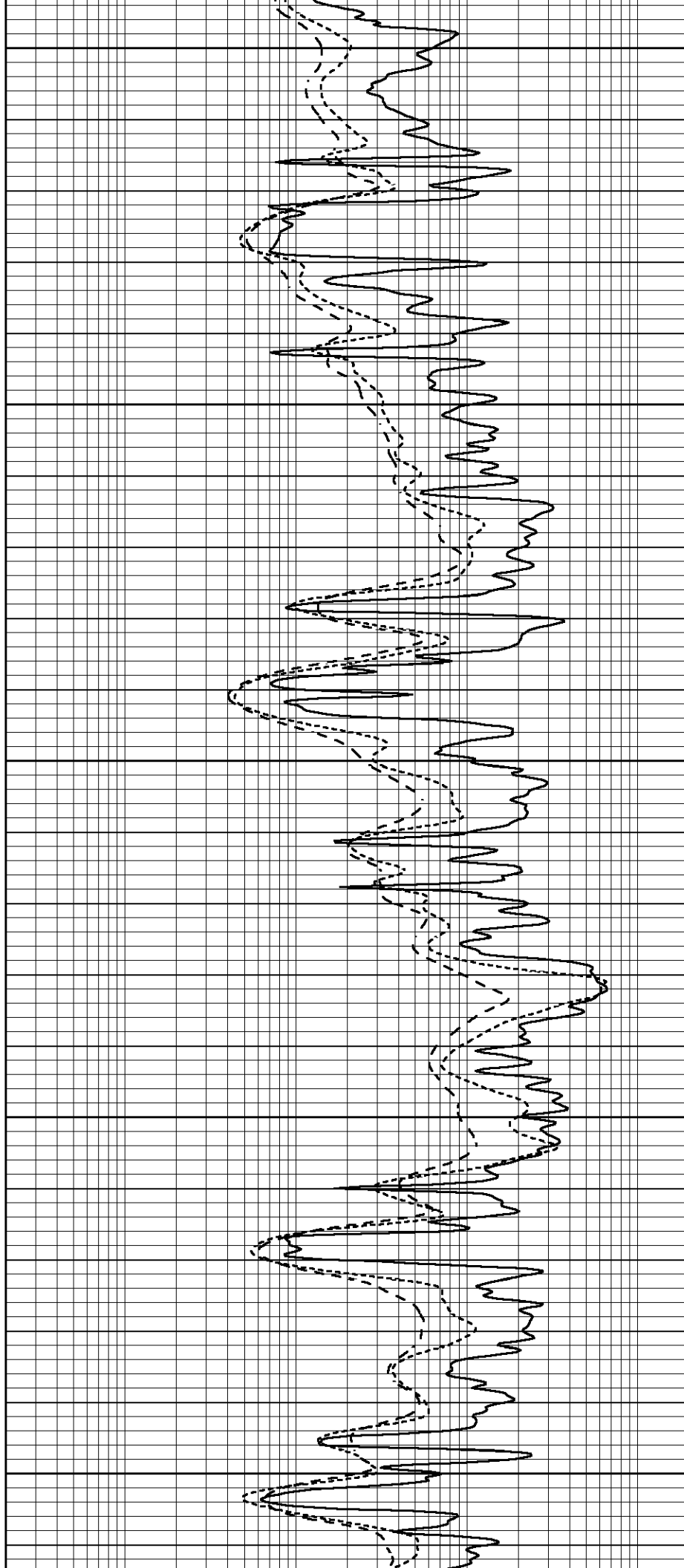
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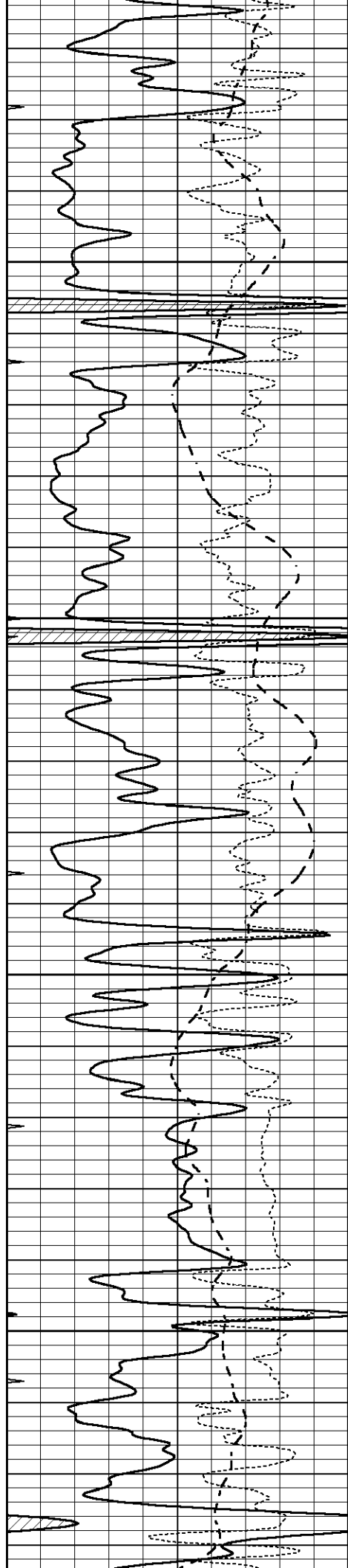
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4150

4200

4250



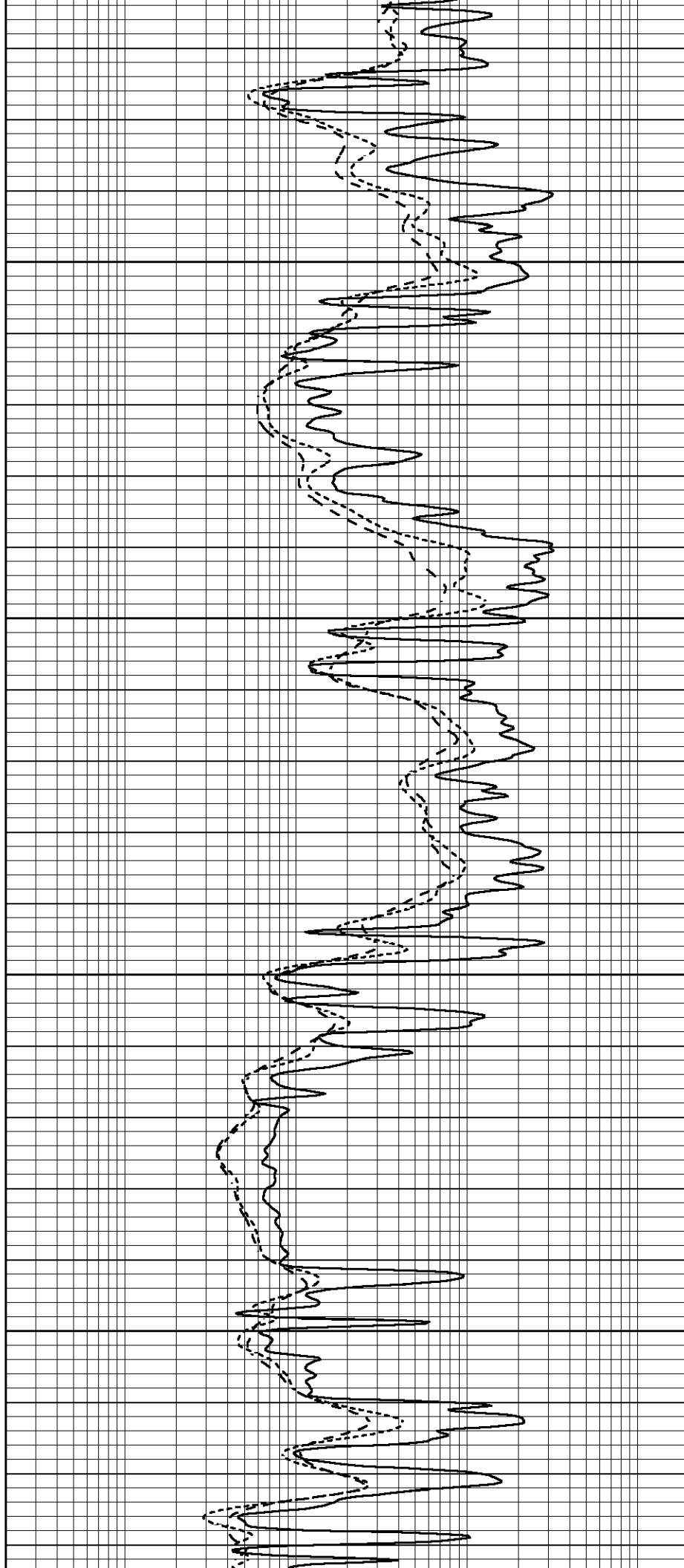


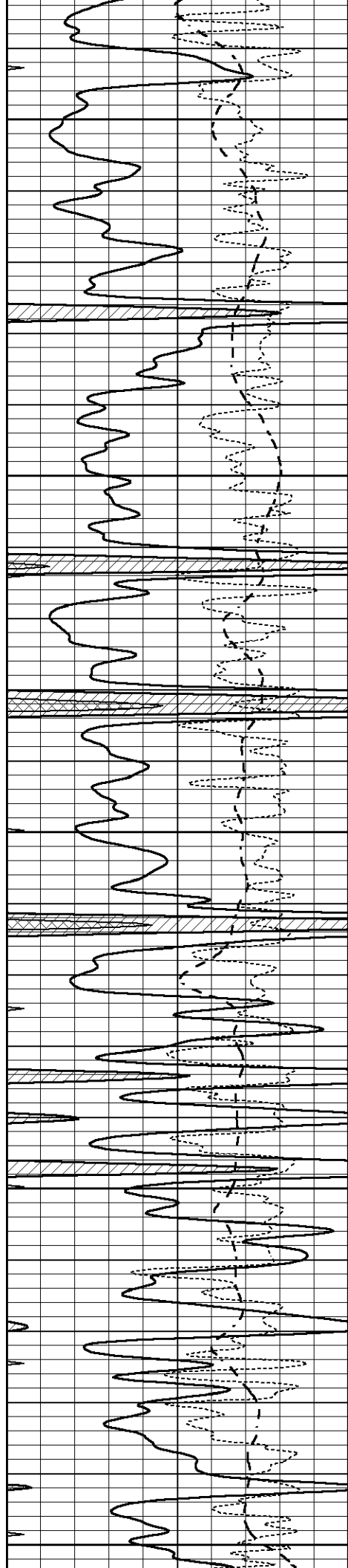
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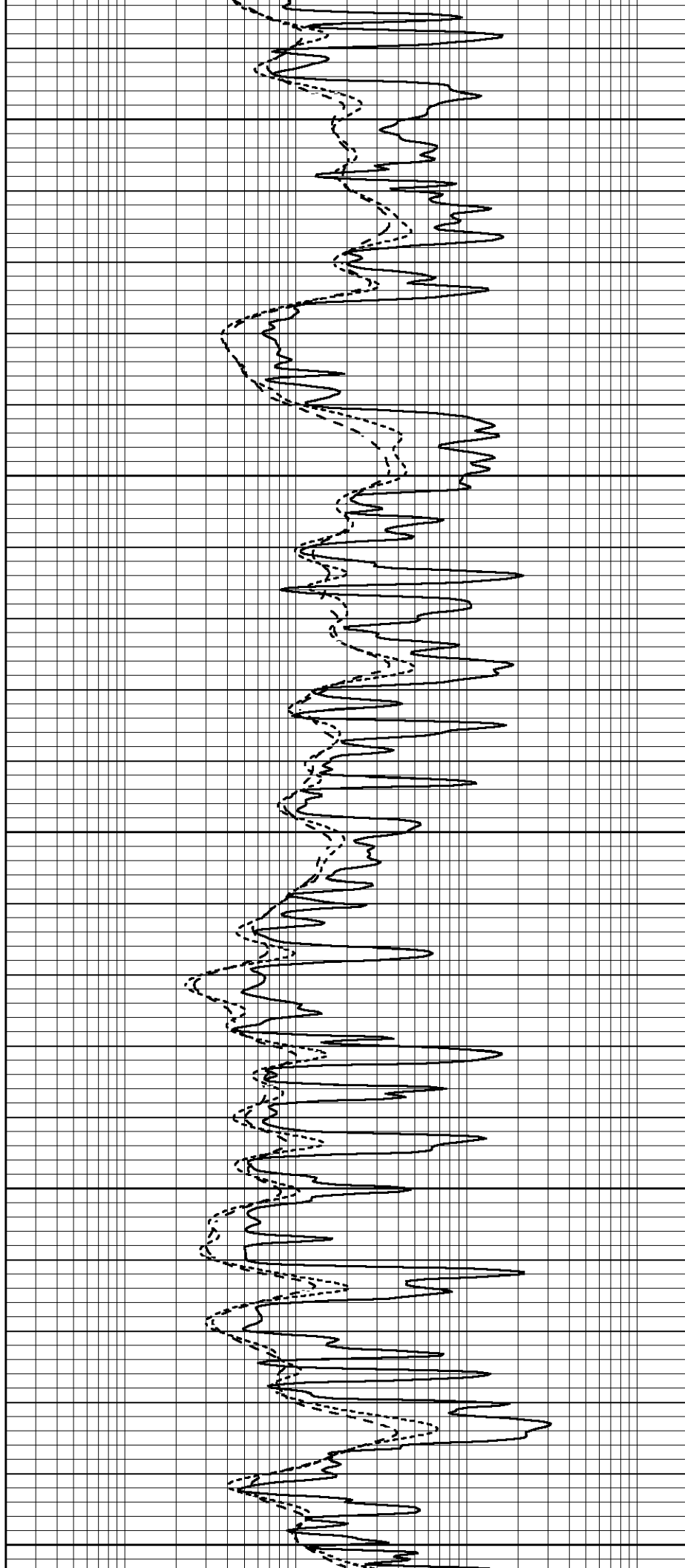
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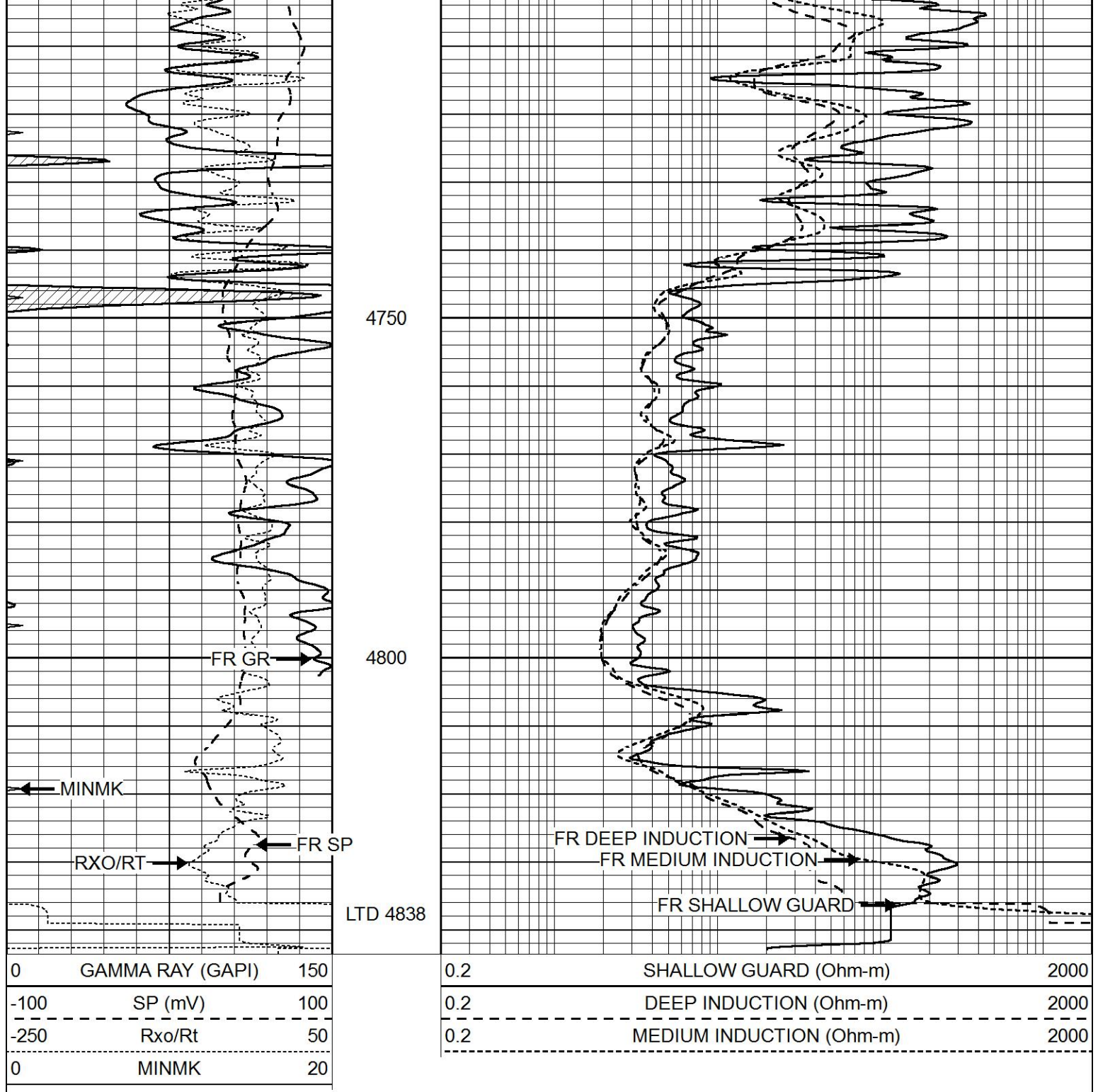
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4700

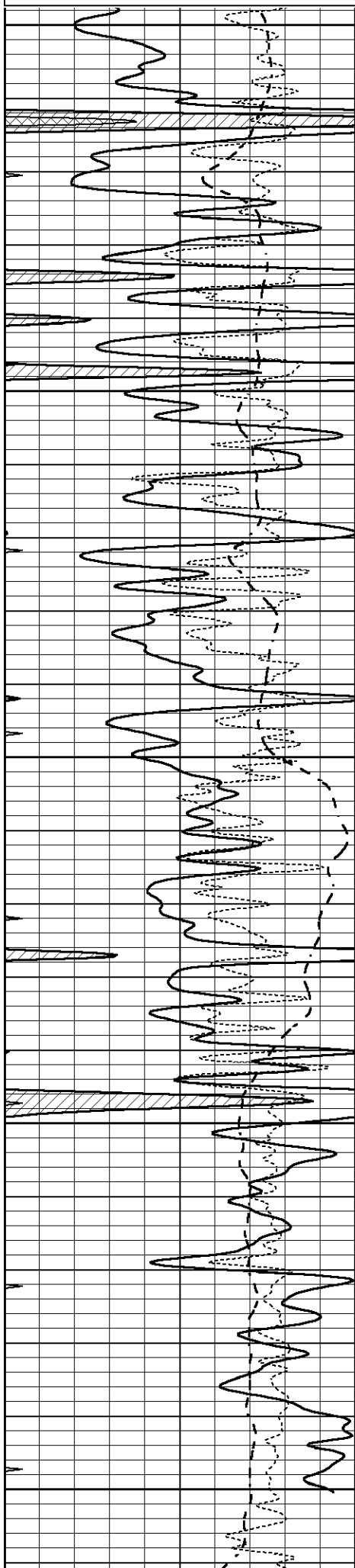




REPEAT SECTION

Database File 8644pe.db
Dataset Pathname pass2.1R
Presentation Format _dil
Dataset Creation Fri Jul 12 13:26:54 2024
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



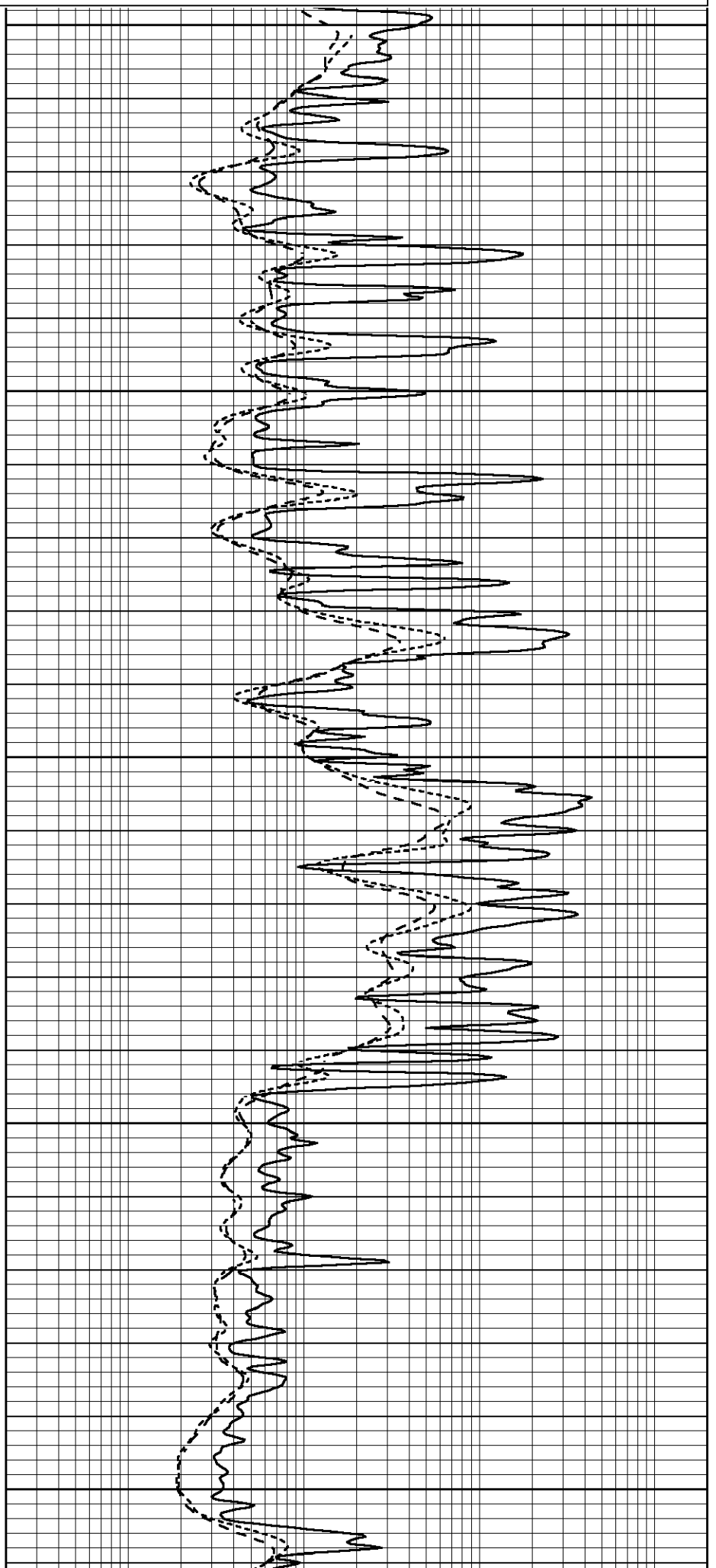
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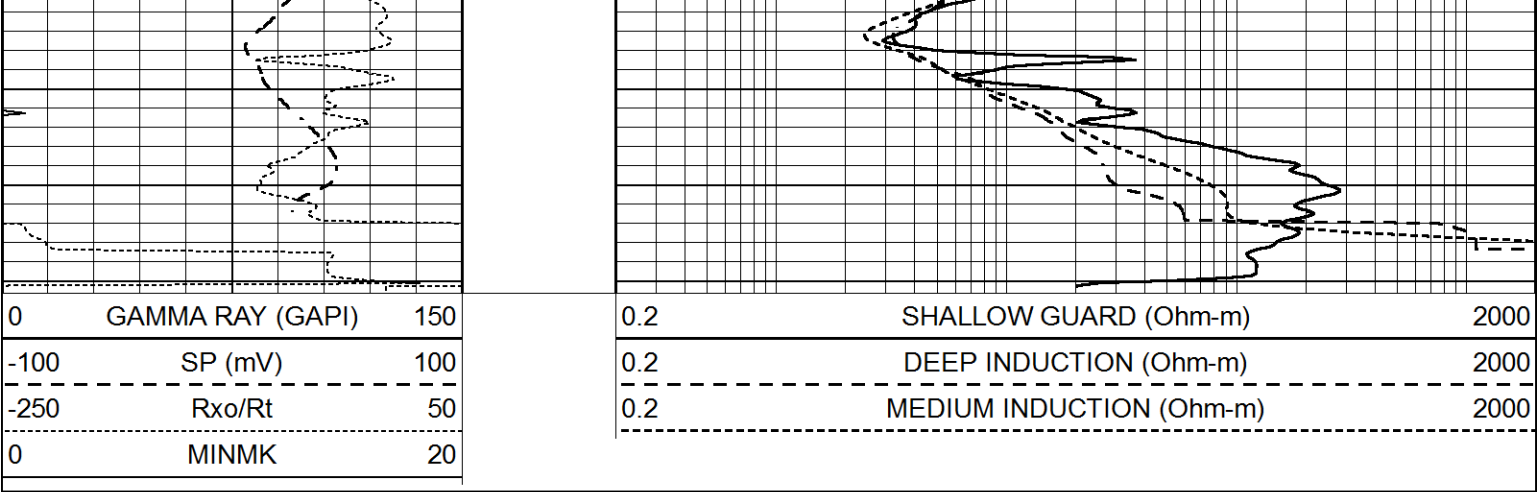
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4700

4750

4800





Calibration Report									
Database File		8644pe.db							
Dataset Pathname		pass3.1M							
Dataset Creation		Fri Jul 12 13:16:16 2024							
Dual Induction Calibration Report									
		Serial-Model:			PROBE8-DILG				
		Surface Cal Performed:			Thu Jul 11 12:08:09 2024				
		Downhole Cal Performed:			Mon Aug 14 00:39:25 2023				
		After Survey Verification Performed:			Mon Jul 28 11:08:27 2008				
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	15.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	0.000	
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: 004		Model: PRB					
Master Calibration					Performed Tue Aug 02 11:00:25 2000				

Master Calibration		Performed Tue Aug 02 11:29:35 2022			
	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1154.2	10019.5	3137.9	2795.6	cps
Window 2	1054.4	8597.6	2733.4	2469.5	cps
Window 3	902.3	5241.4	1832.1	1719.3	cps
Window 4	251.9	261.1	255.8	252.9	cps
Long Space	0.0	7543.2	1679.0	1415.0	cps
Short Space	4.4	2049.3	1321.7	1116.8	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio	: 0.562
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept	: -17.2

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	
Short Space	cps			
Long Space	cps	pu	pu	
Gamma Ray Calibration Report				

Serial Number:	070558
Tool Model:	OPEN_GR
Performed:	Thu Jun 13 23:56:25 2024

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:	0.3000	GAPI/cps
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