

DUAL INDUCTION LOG

Company	SHAKESPEARE OIL COMPANY, INC.		
Well	BLOOM #3-22		
Field	CALE NORTH		
County	GOVE	State	KANSAS
Location:	API # : 15-063-22440-0000		Other Services CDL/CNL/PE MEL/SONIC
Permanent Datum	GROUND LEVEL	Elevation	2951
Log Measured From	KELLY BUSHING 9' A.G.L		K.B. 2960 D.F. 2958 G.L. 2951
Drilling Measured From	KELLY BUSHING		
Date	3/22/24		
Run Number	ONE		
Depth Driller	4620		
Depth Logger	4620		
Bottom Logged Interval	4618		
Top Log Interval	00		
Casing Driller	8.625@236		
Casing Logger	234		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2.500 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40@77F		
Rmf @ Meas. Temp	1.05@77F		
Rmc @ Meas. Temp	1.68@77F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.884@122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	9.30 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS	JEREMEY PASEK	
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.

15-063-22440-0000

Comments

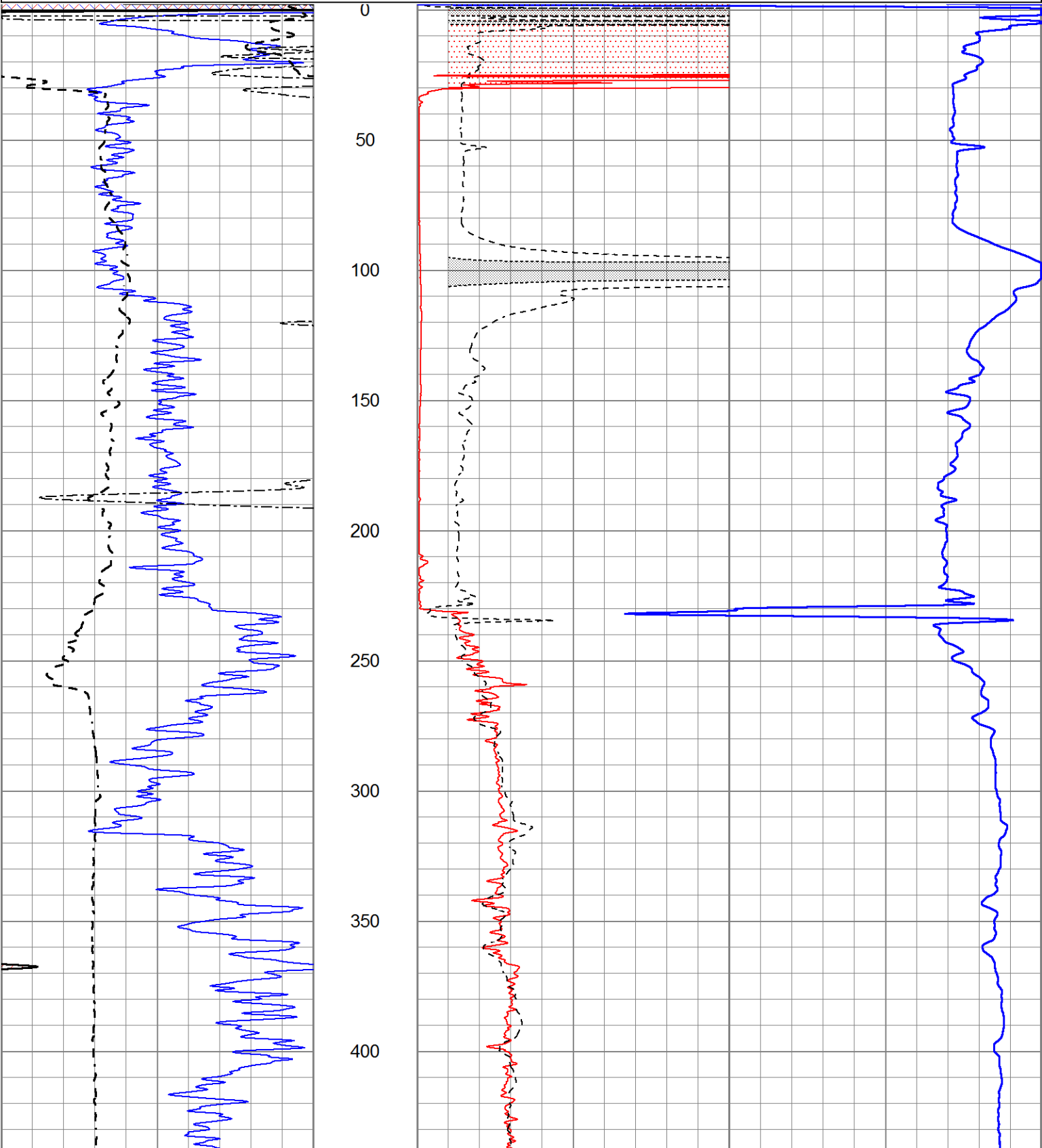
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS

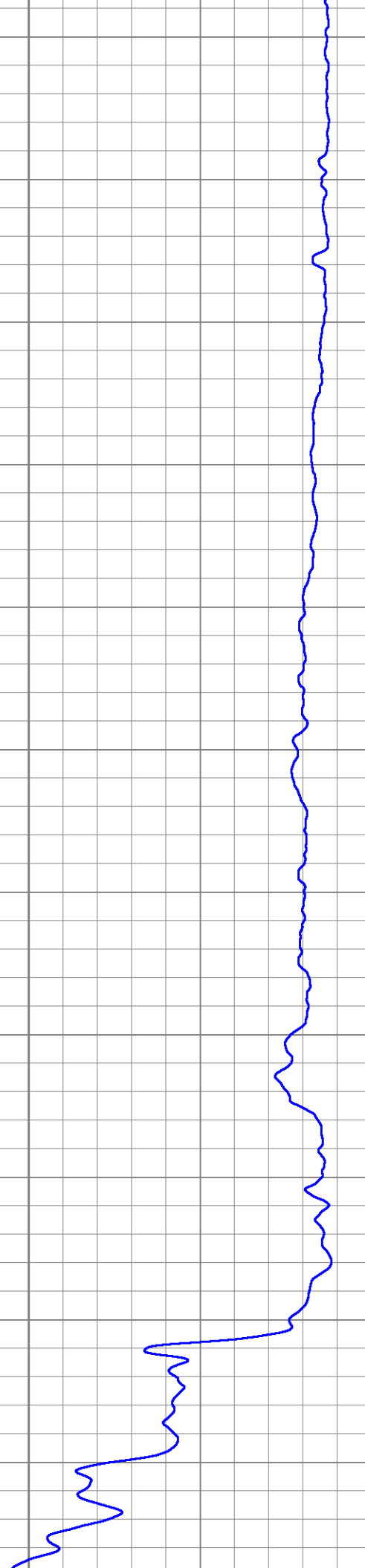
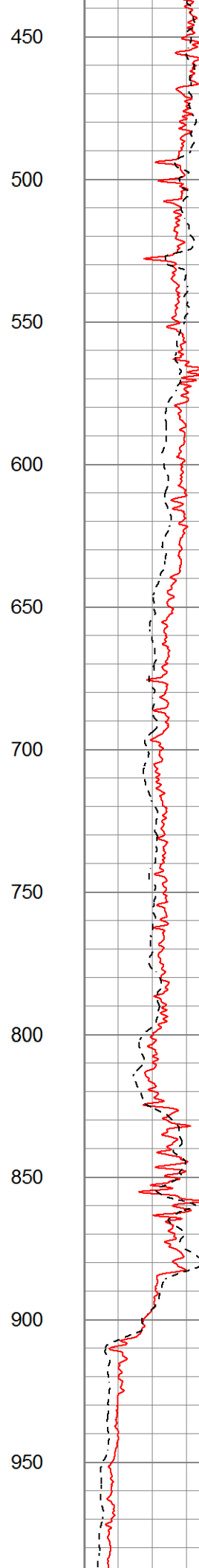
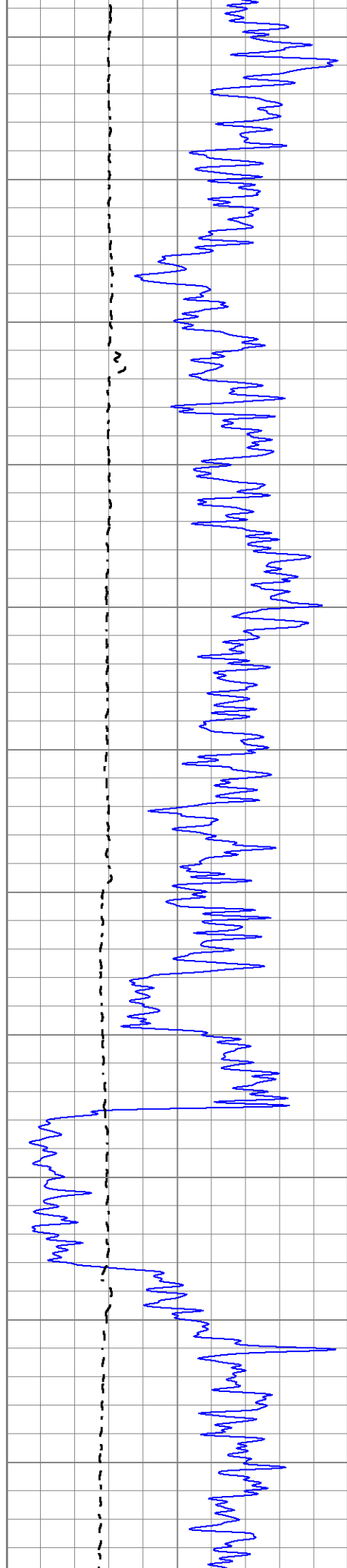
I-70 & CAMPUS EXIT, 2 1/2S. ON "RD. 18" PAST FARM TO (PRIVATE DRIVE) 1/2W., N. INTO

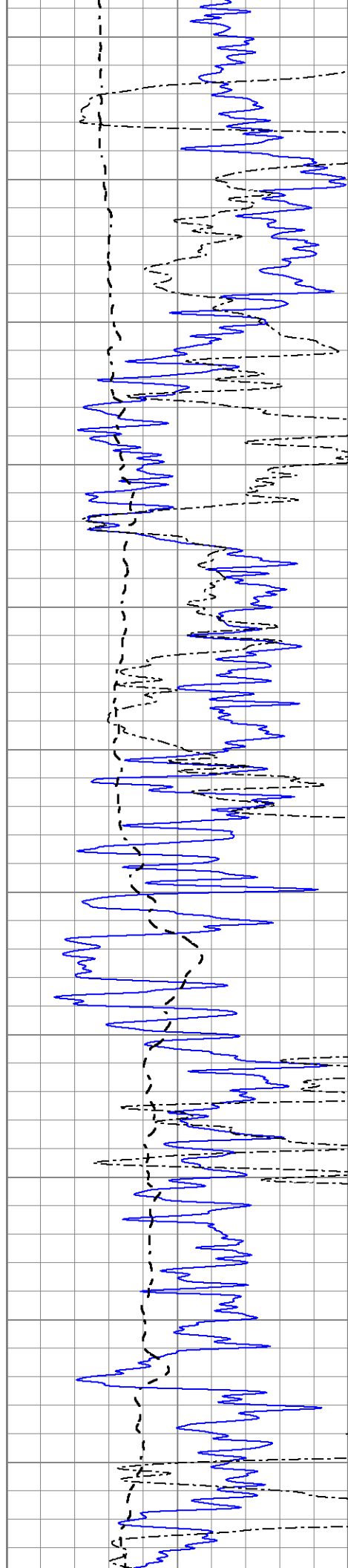


MAIN SECTION

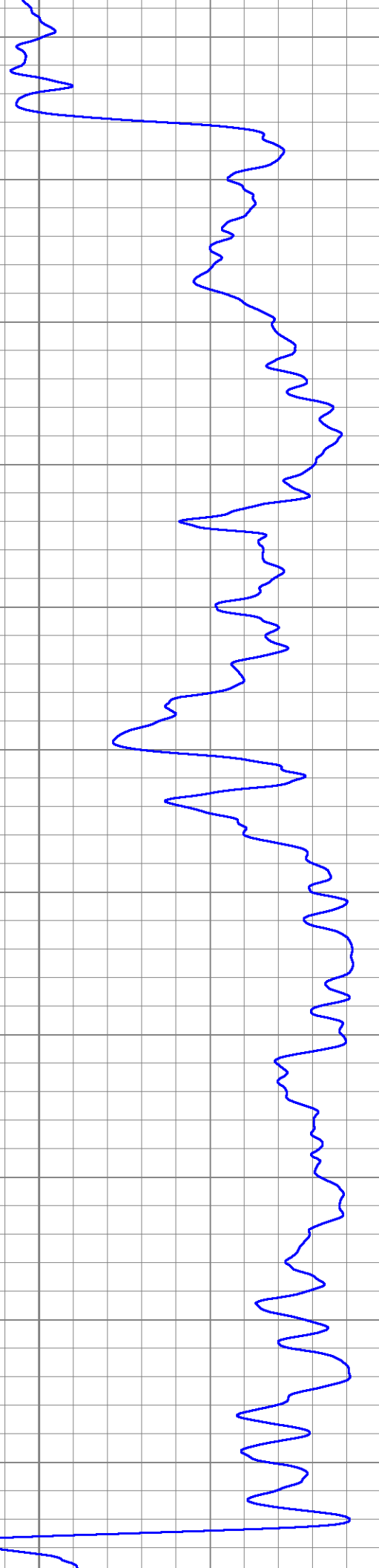
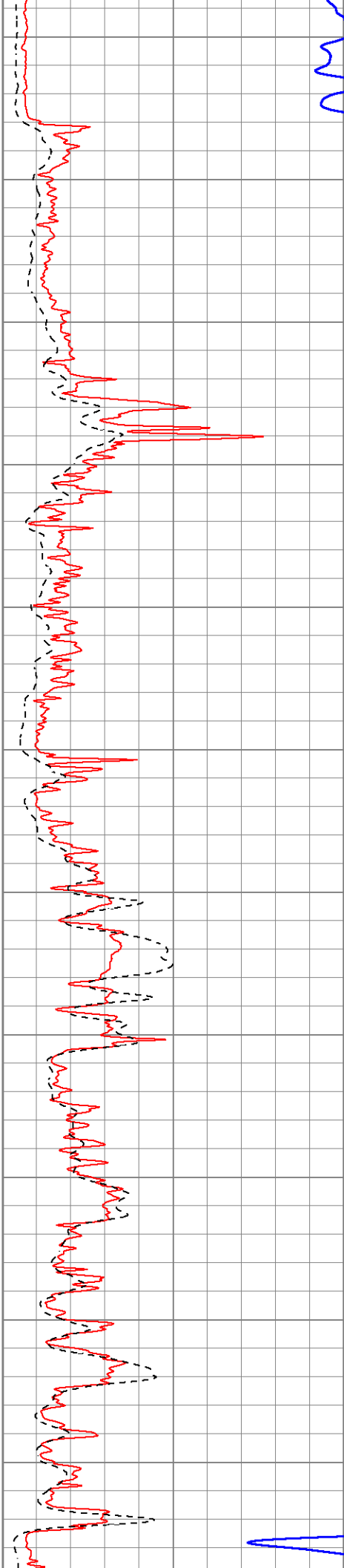
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
0	RWA (Ohm-m)	1	0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

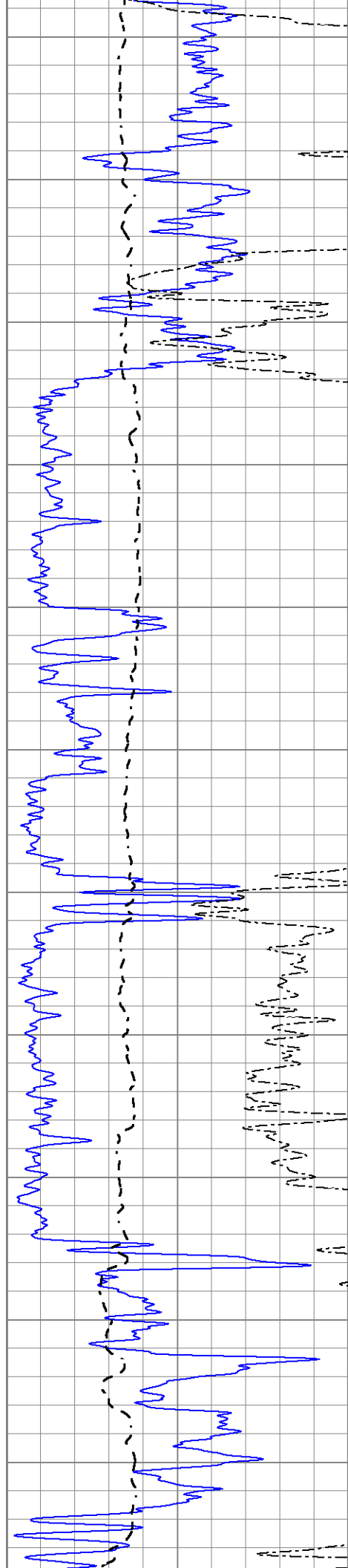






1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500





1550

1600

1650

1700

1750

1800

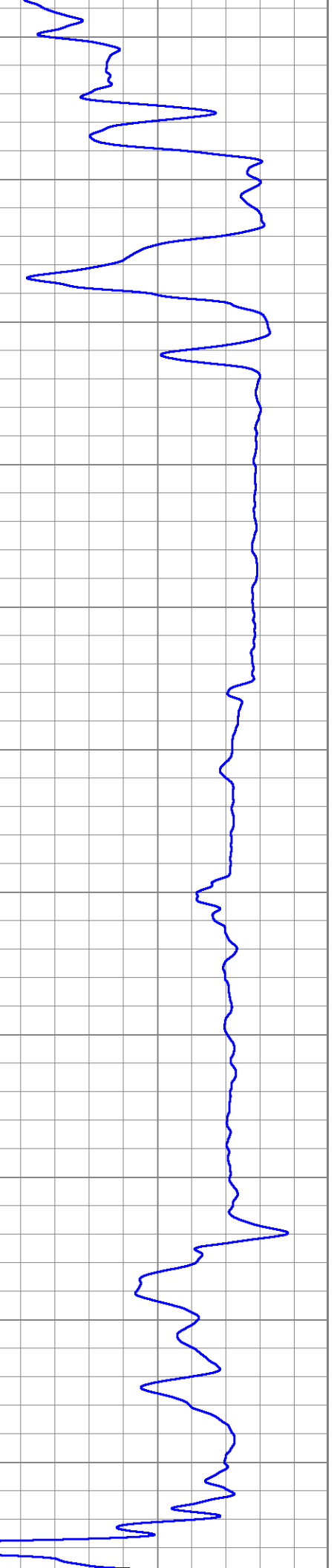
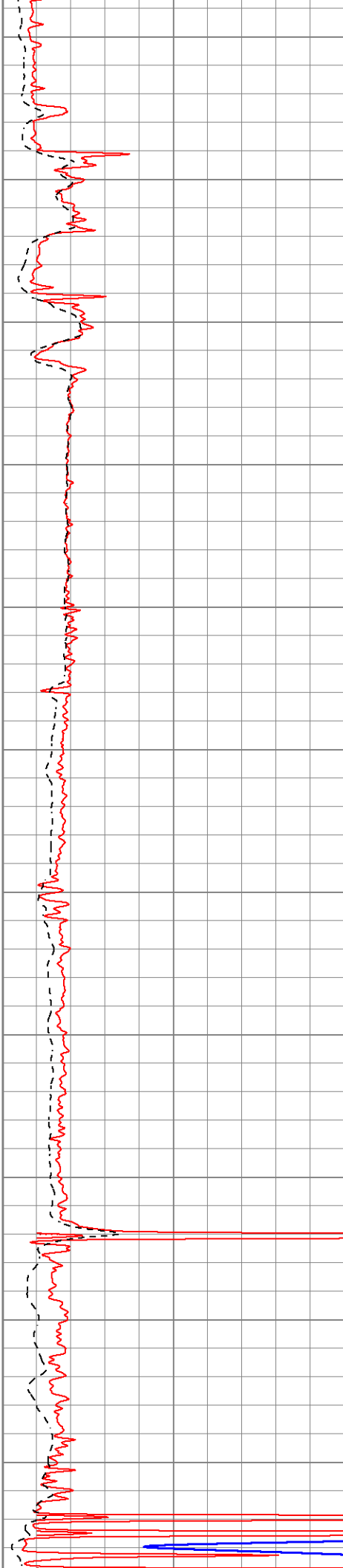
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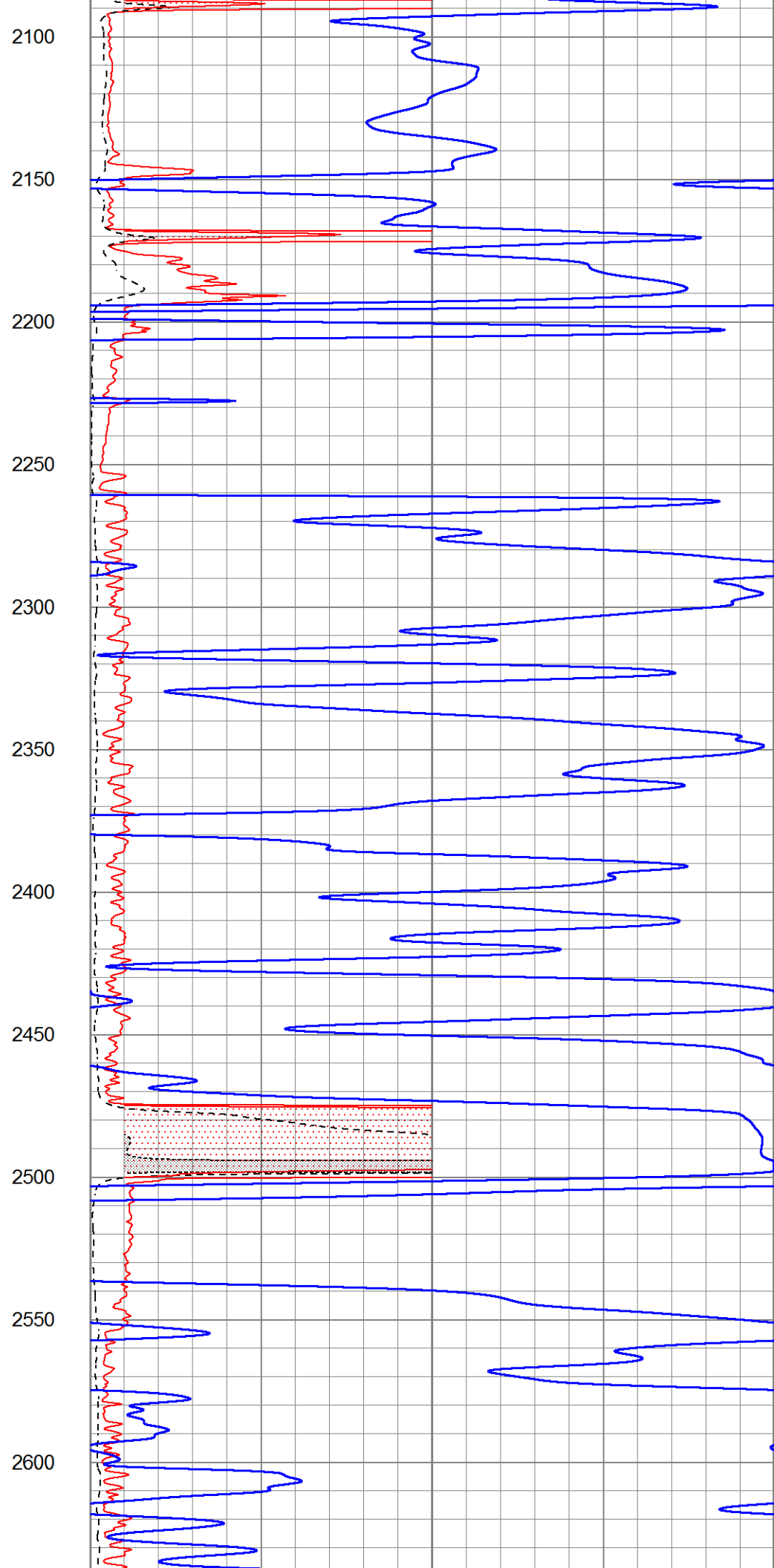
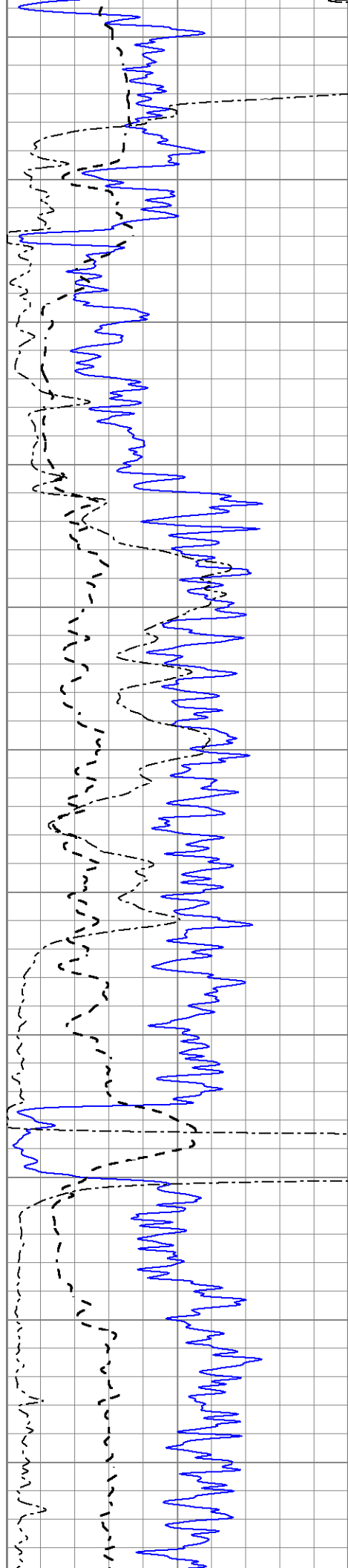
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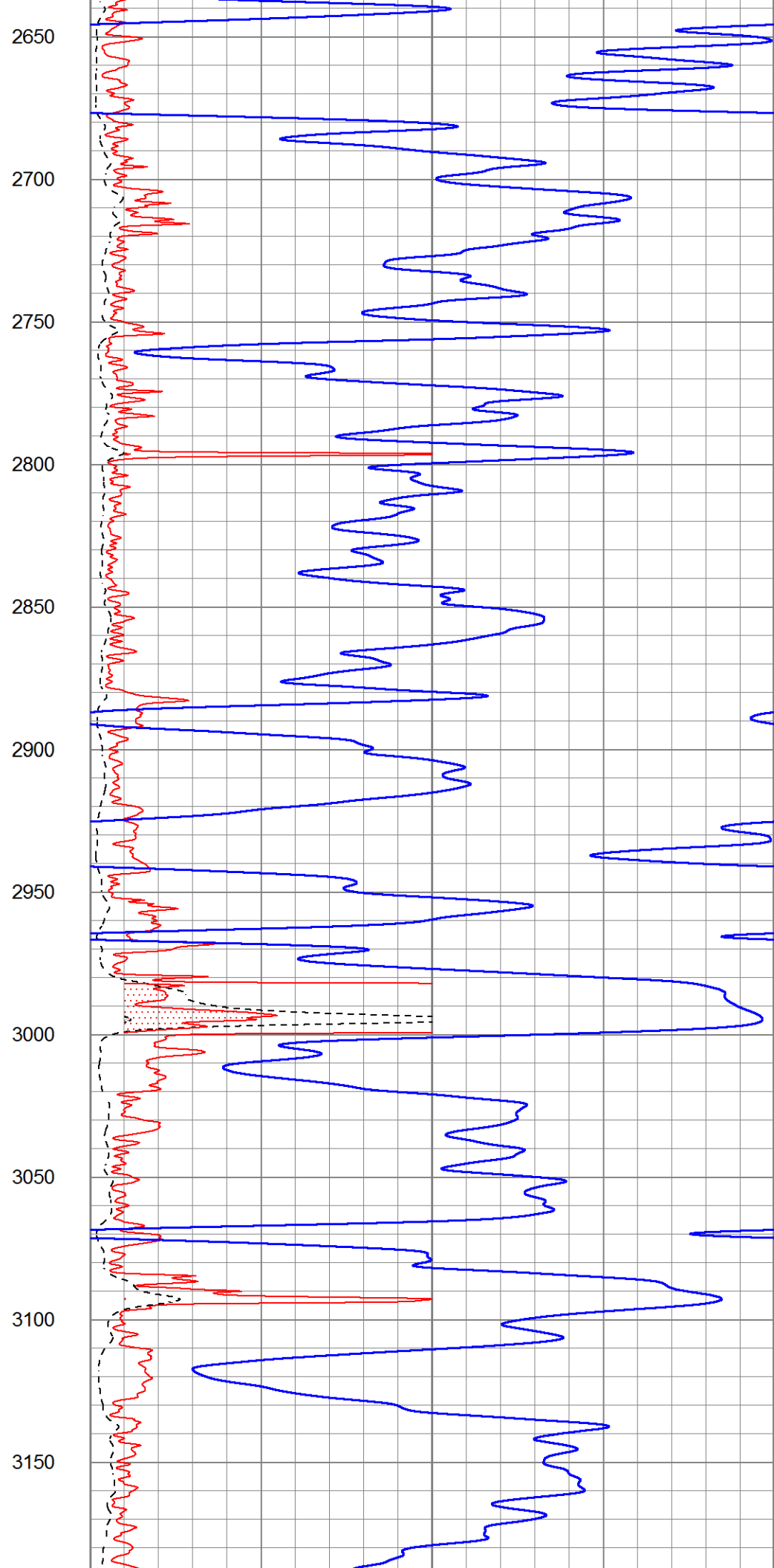
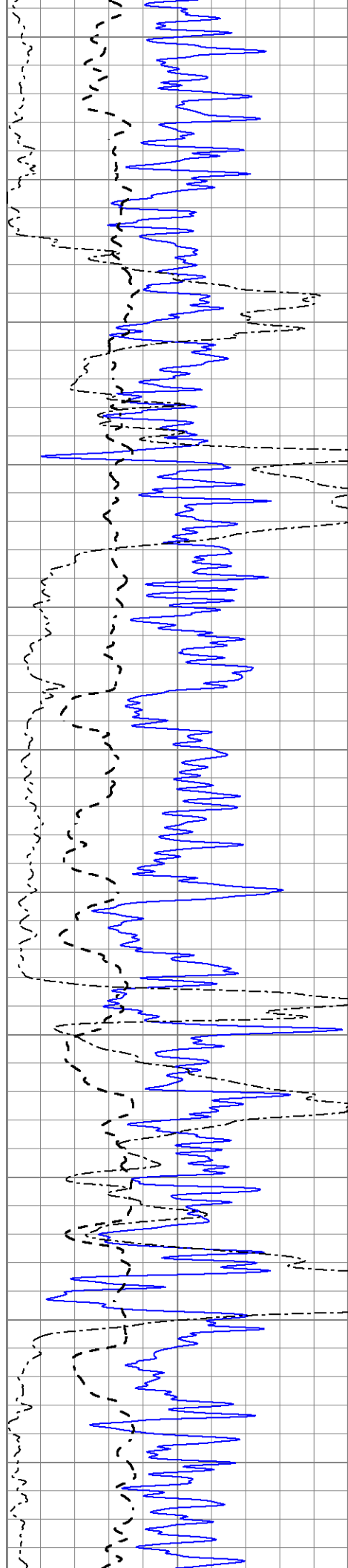
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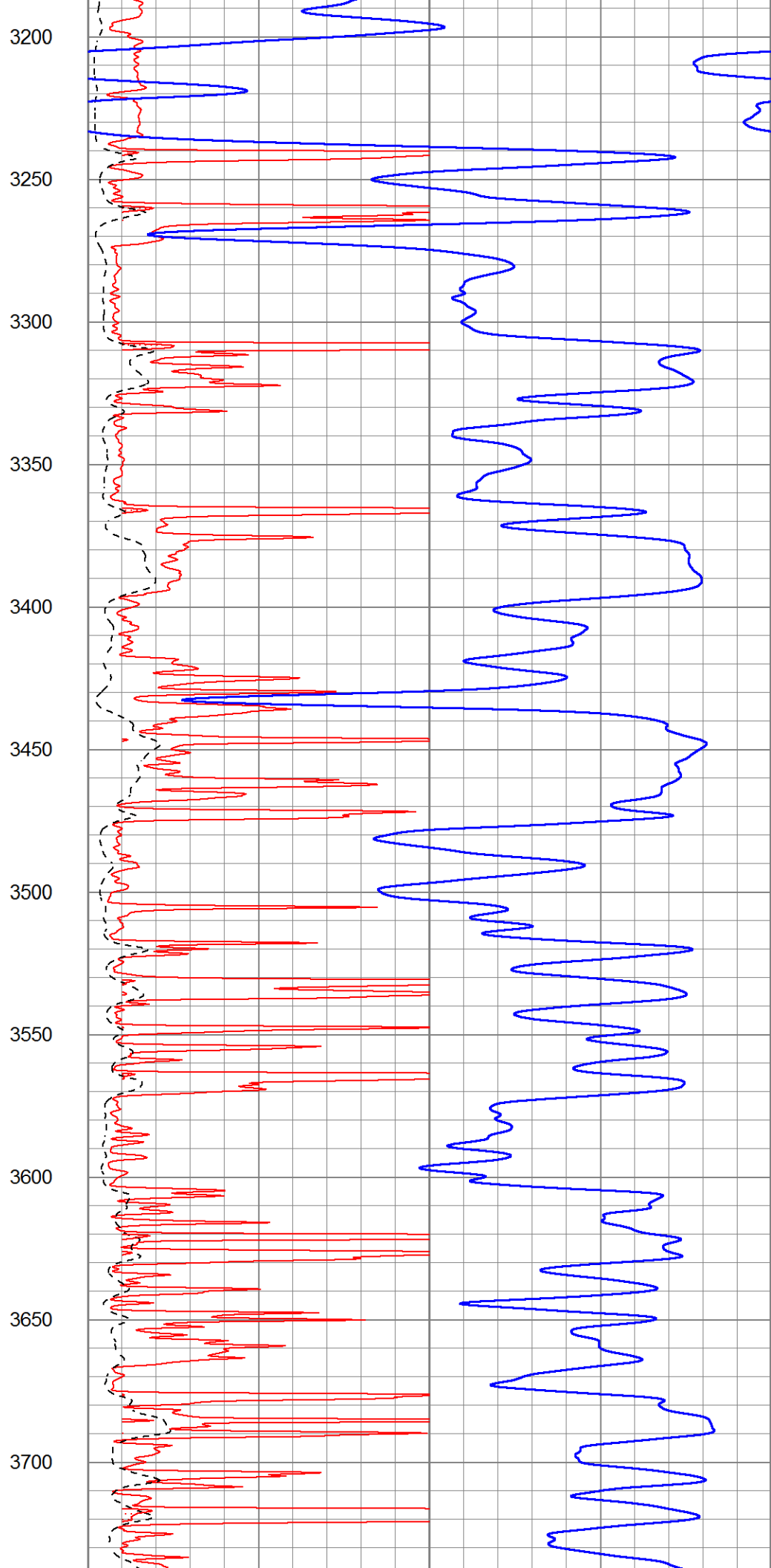
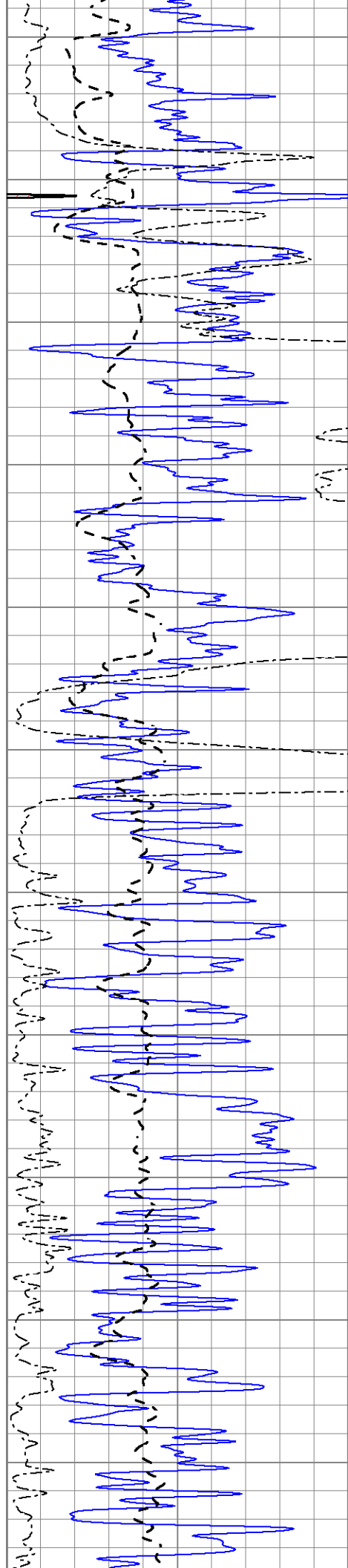
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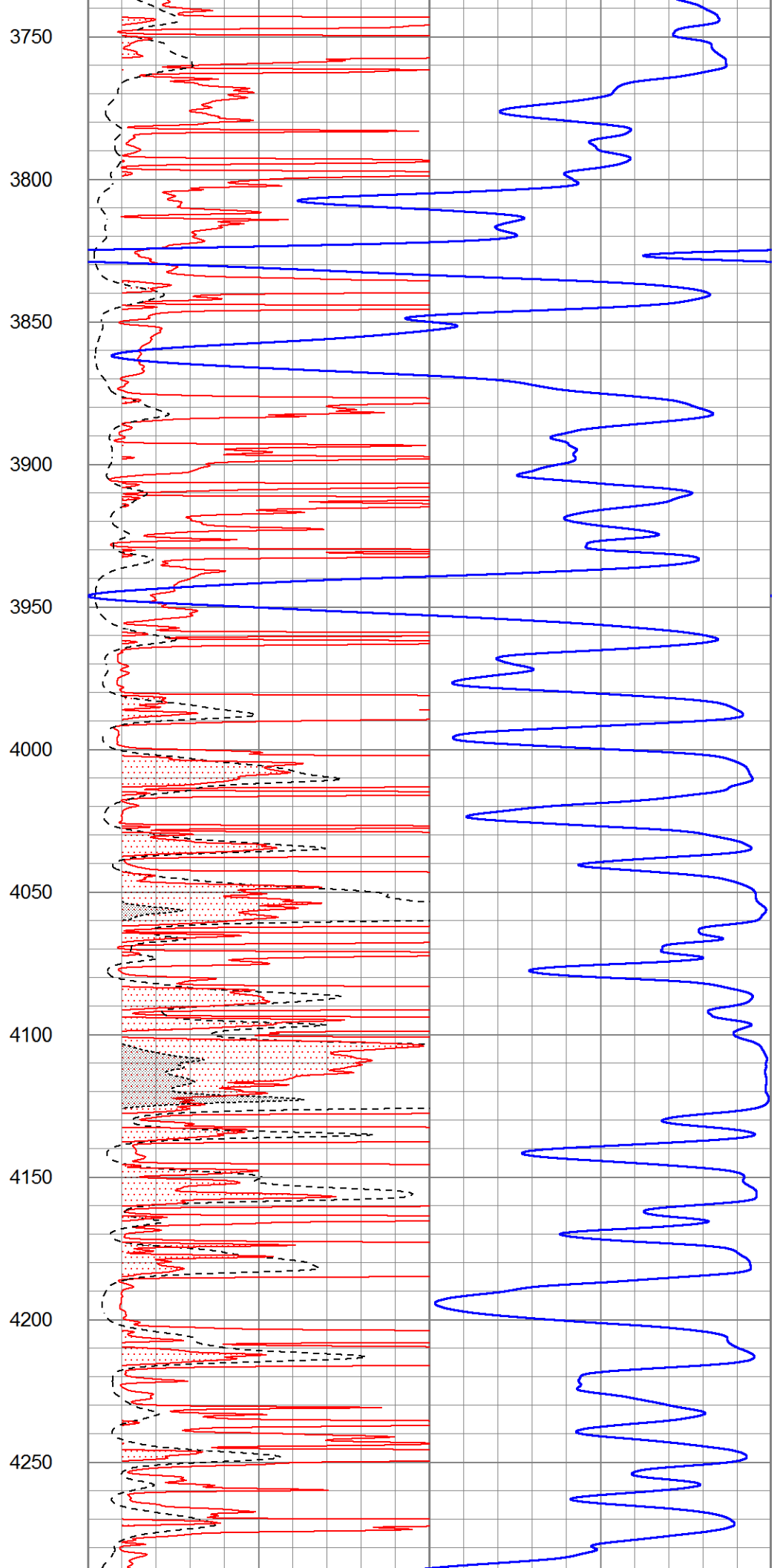
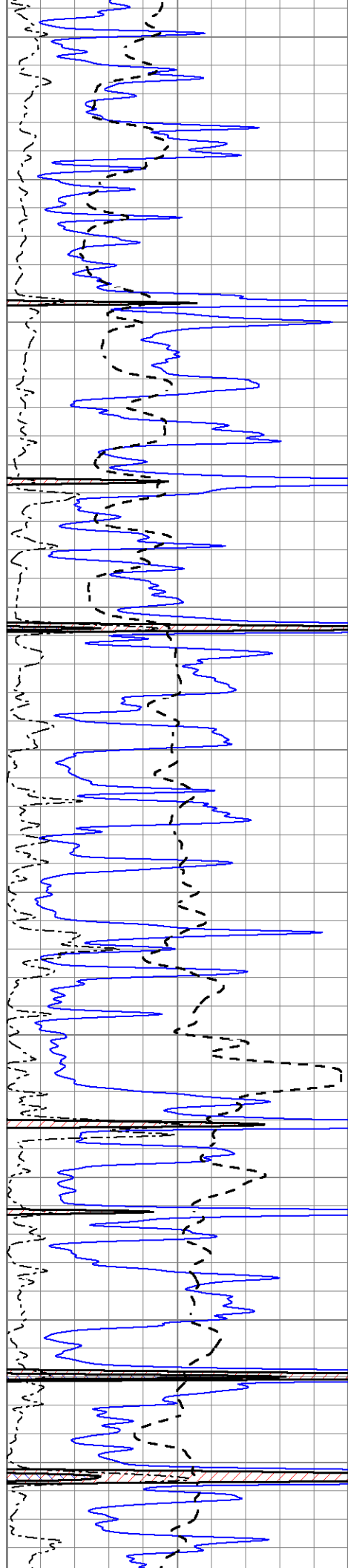
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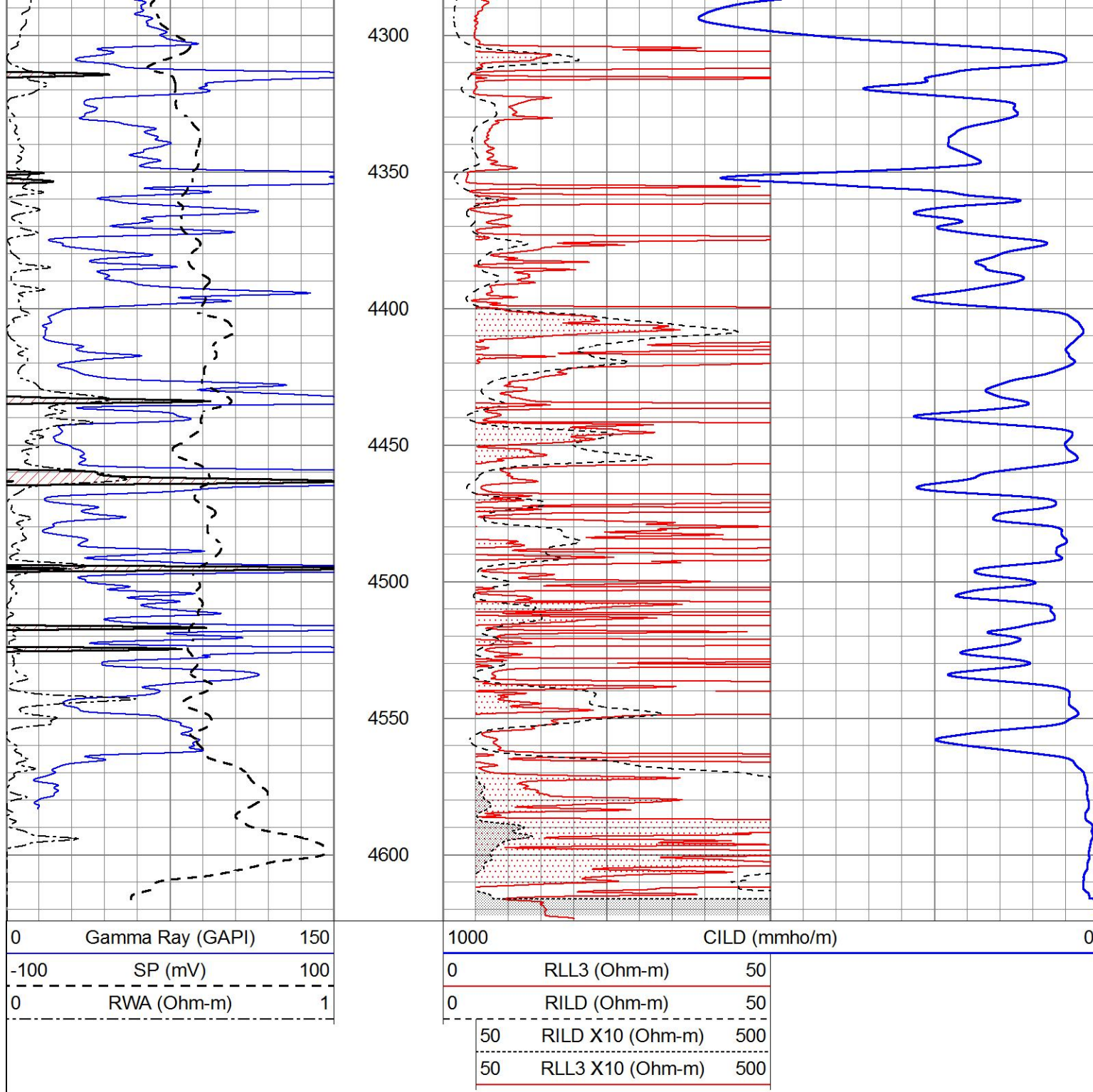








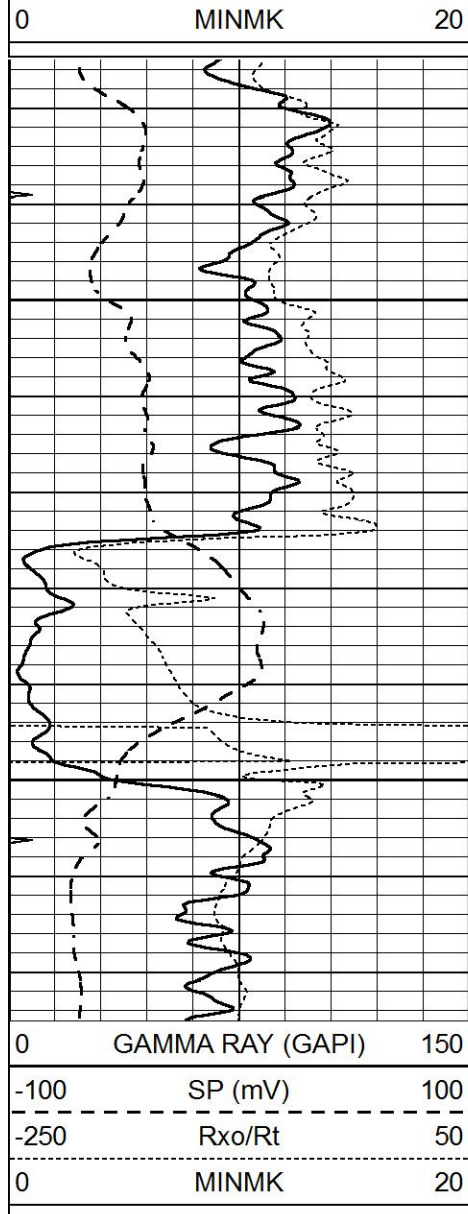




ANHYDRITE

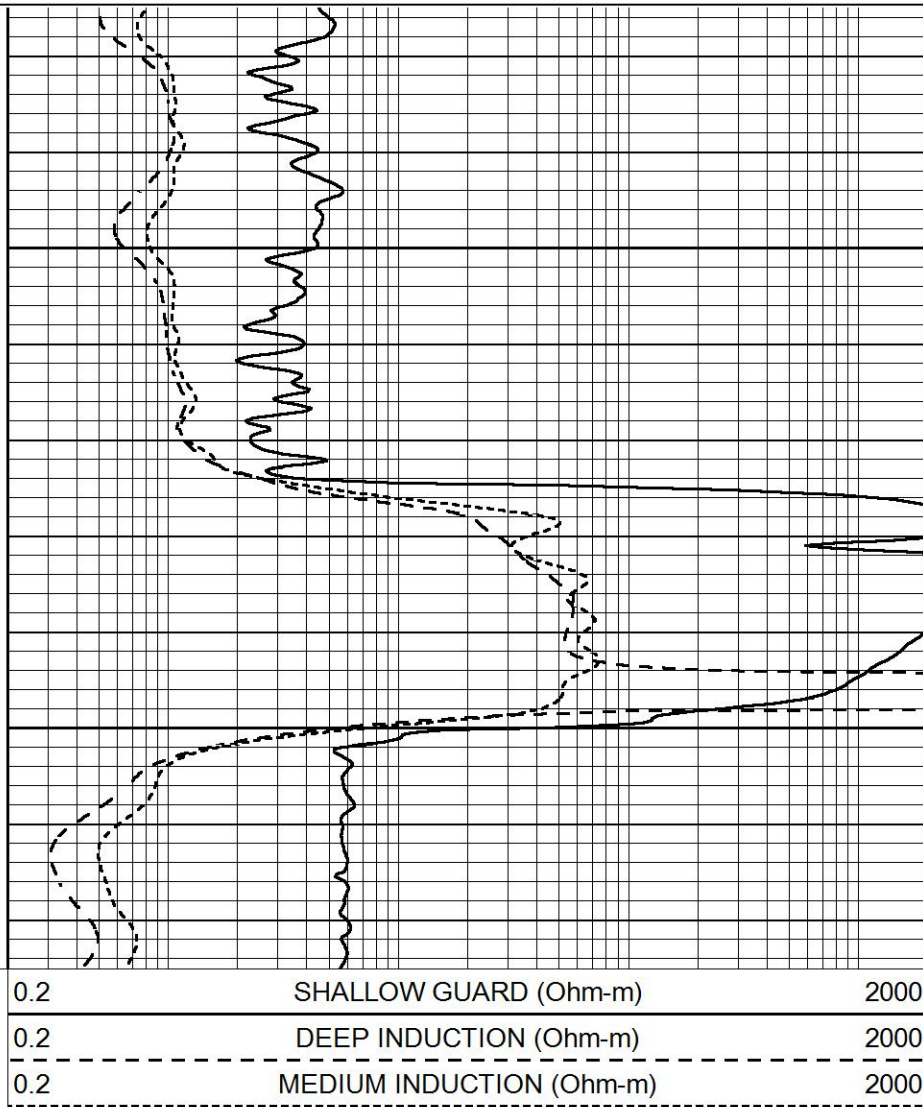
Database File 8424pe.db
 Dataset Pathname pass3.1A
 Presentation Format _dil
 Dataset Creation Fri Mar 22 23:09:22 2024
 Charted by Depth in Feet scaled 1:240

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



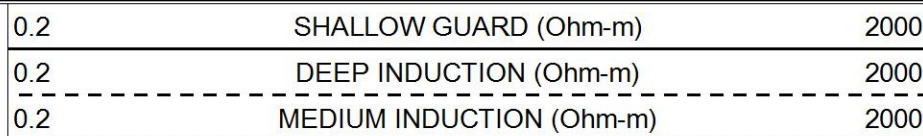
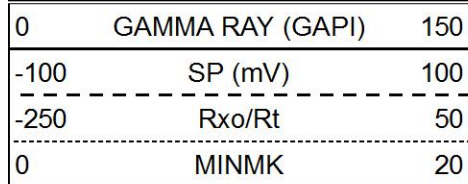
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2500

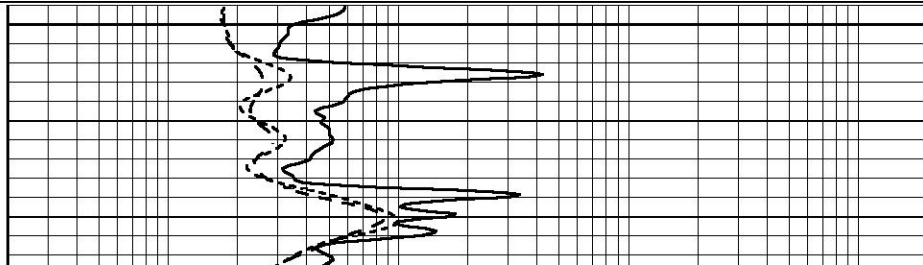
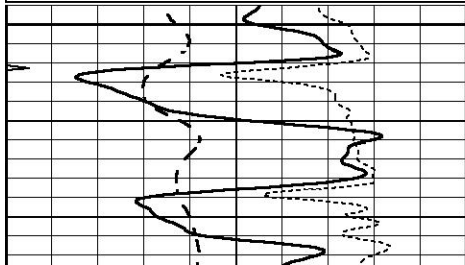


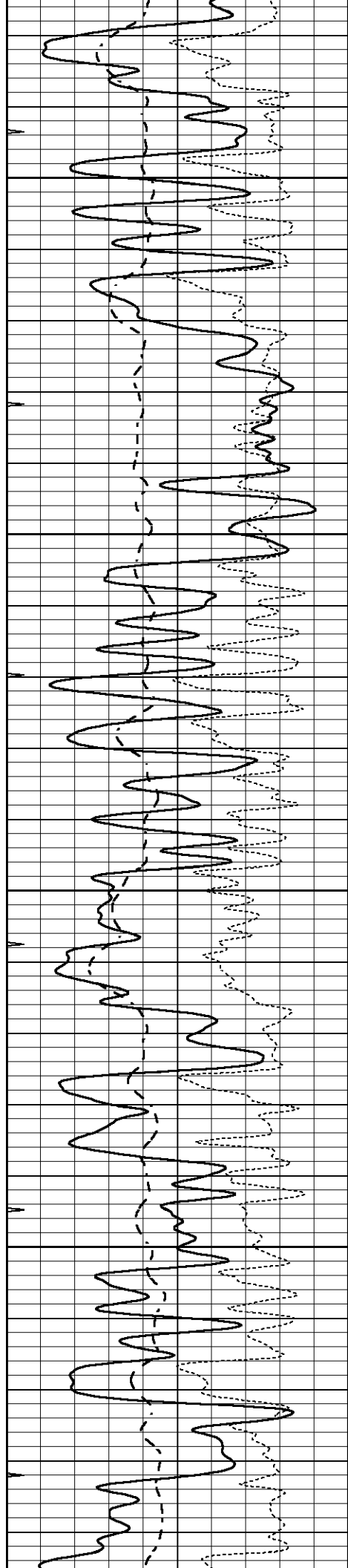
MAIN SECTION

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 Dataset Pathname pass3.1M
 Presentation Format _dil
 Dataset Creation Fri Mar 22 23:08:54 2024
 Charted by Depth in Feet scaled 1:240



3500



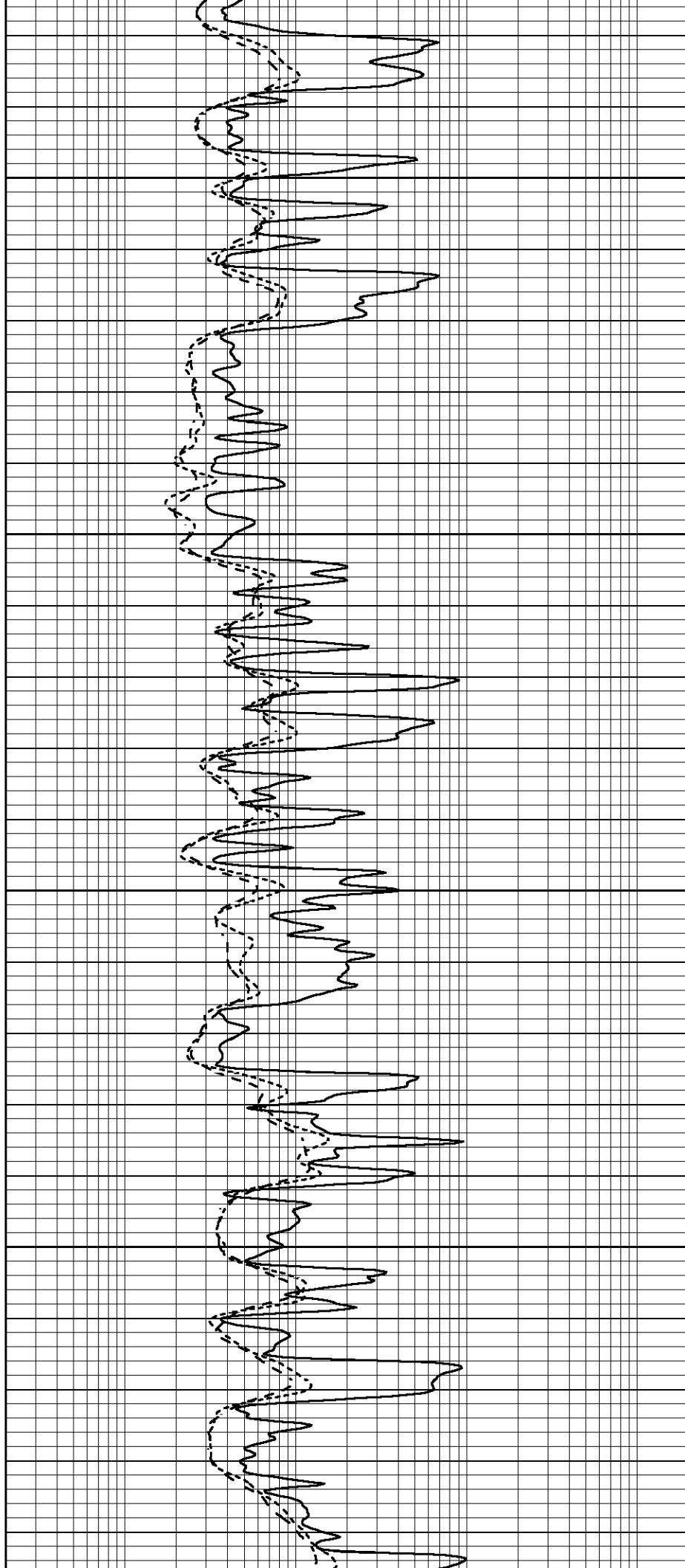


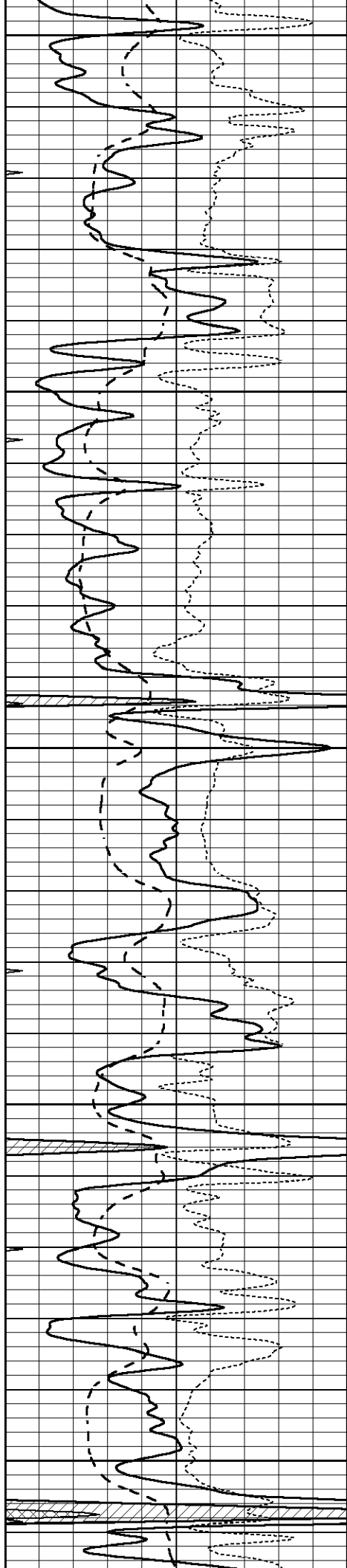
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3600

3650

3700





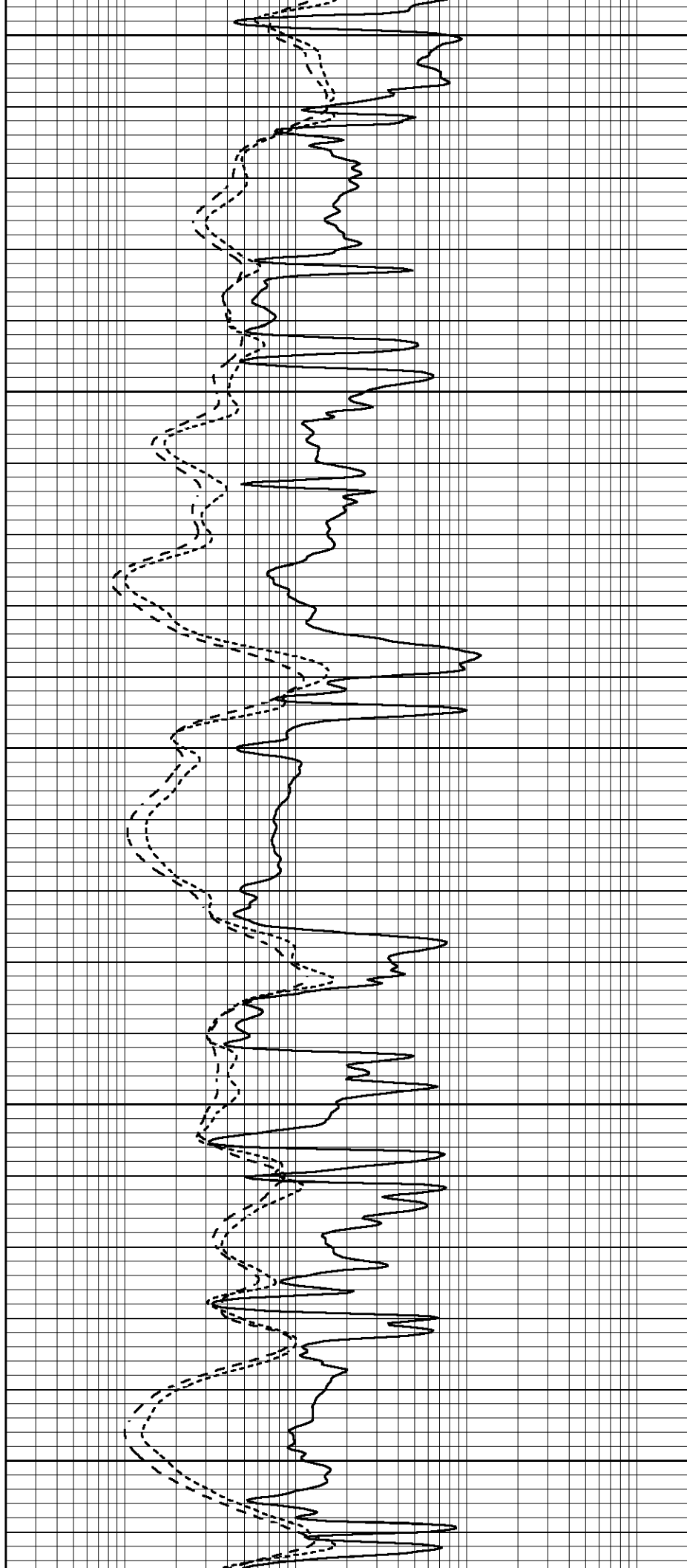
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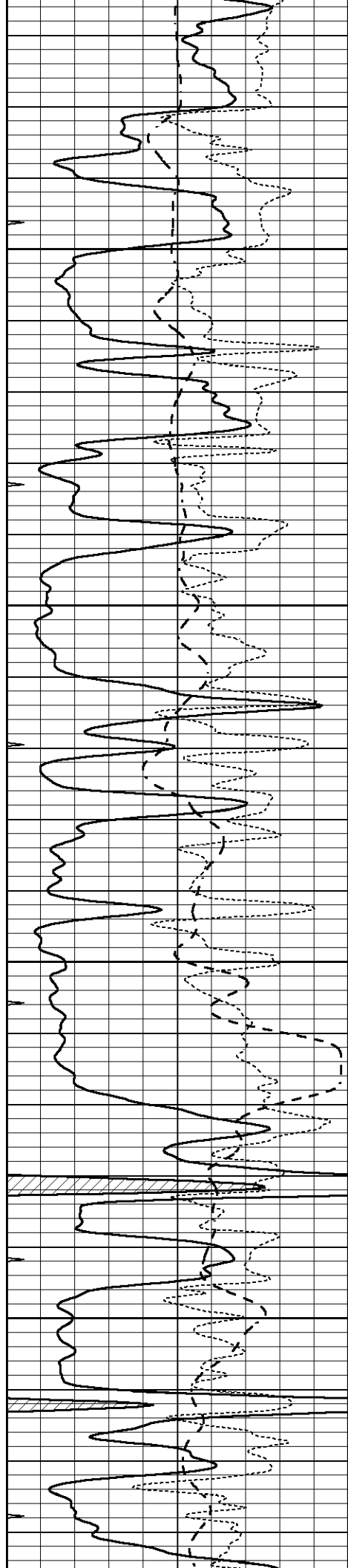
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3850

3900

3950



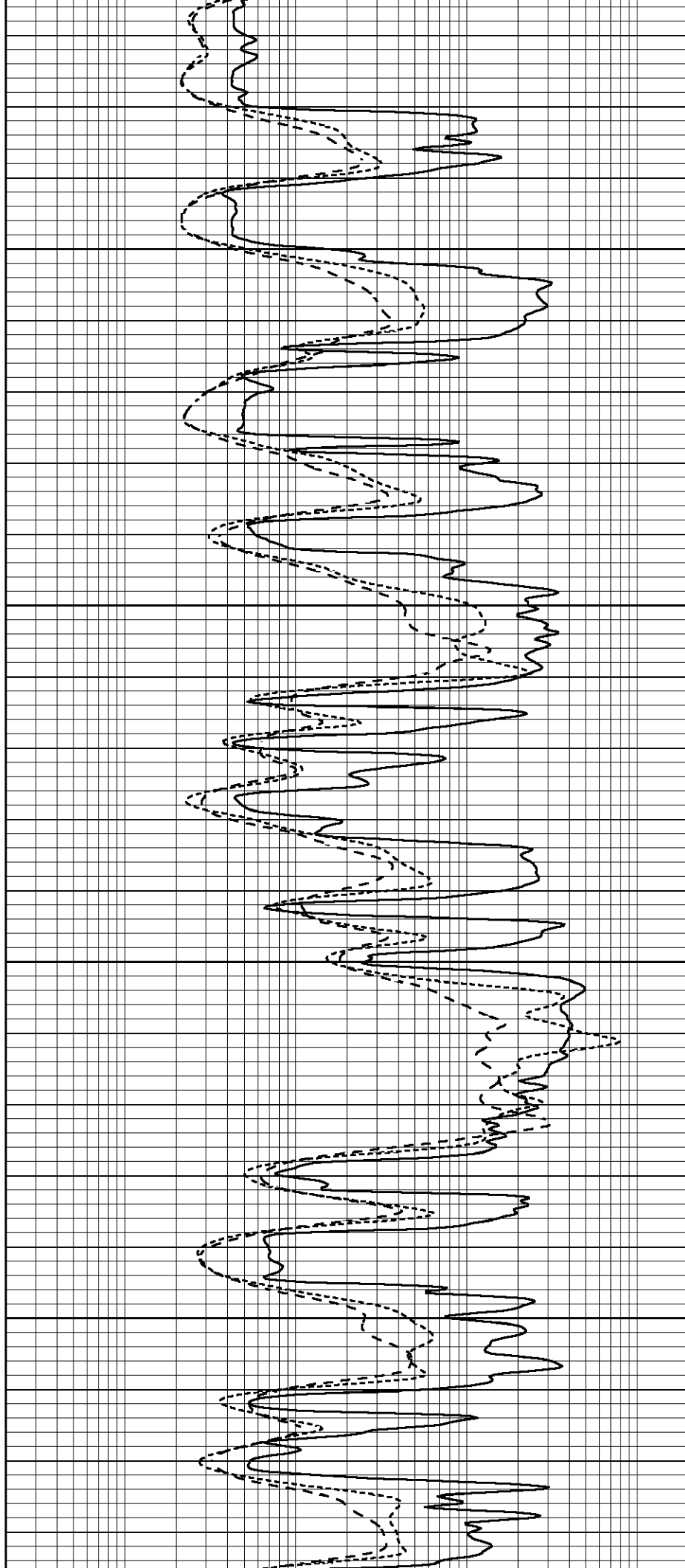


4000

4050

4100

4150





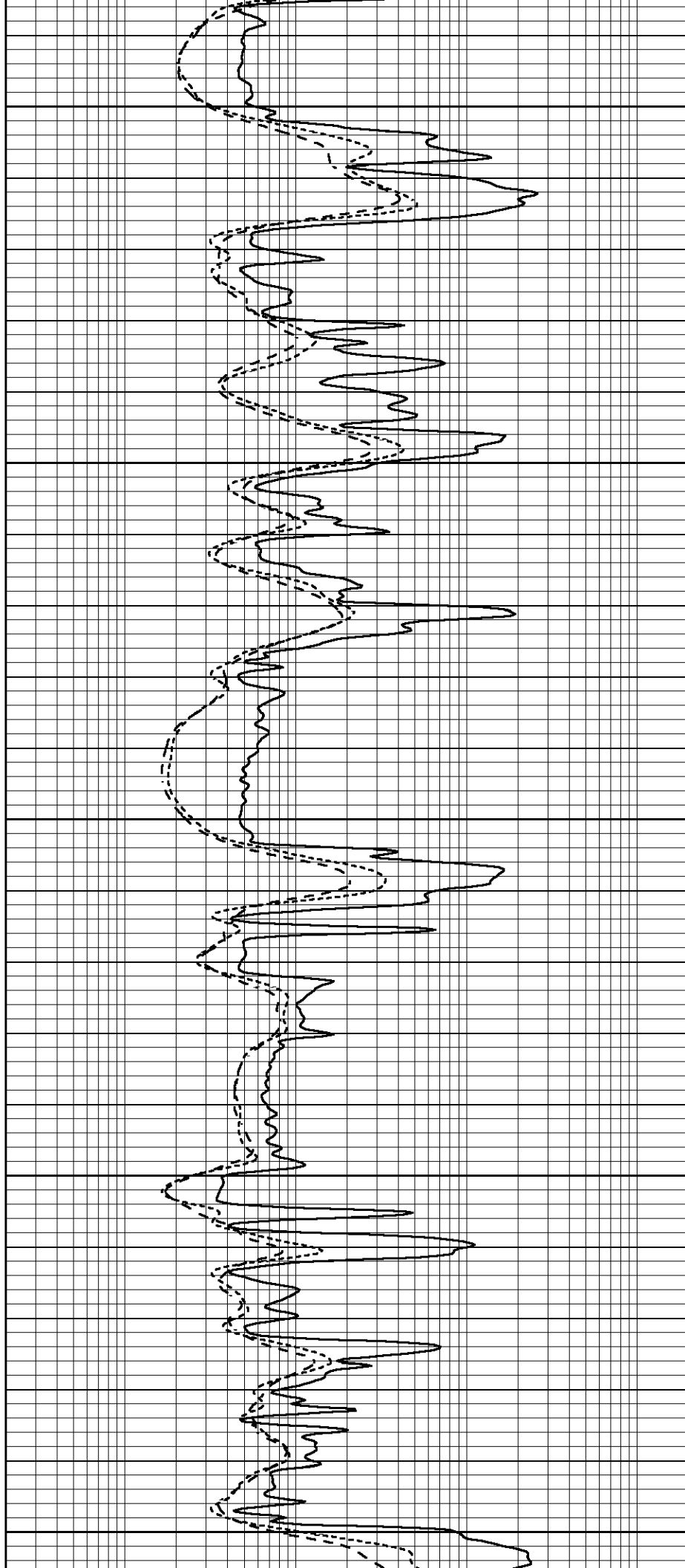
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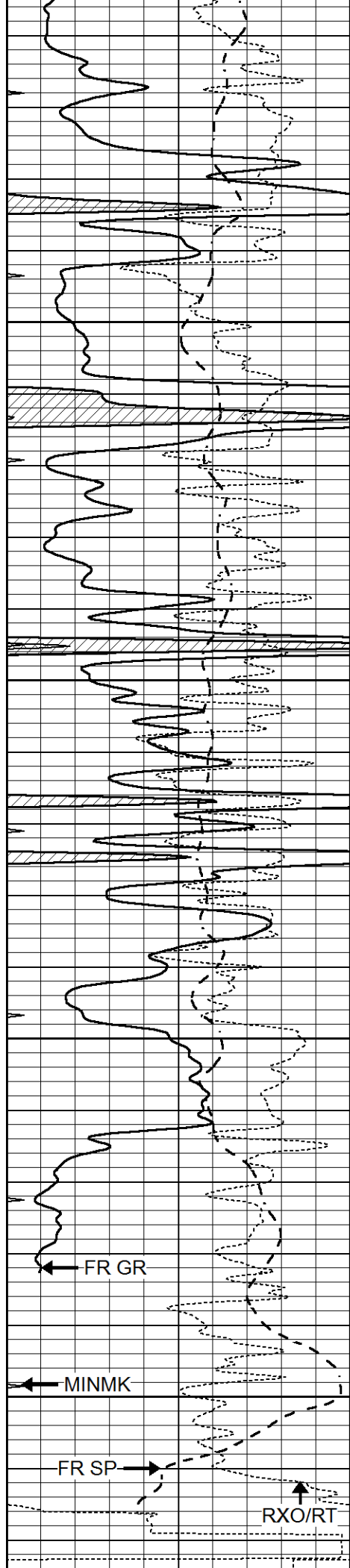
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4300

4350

4400





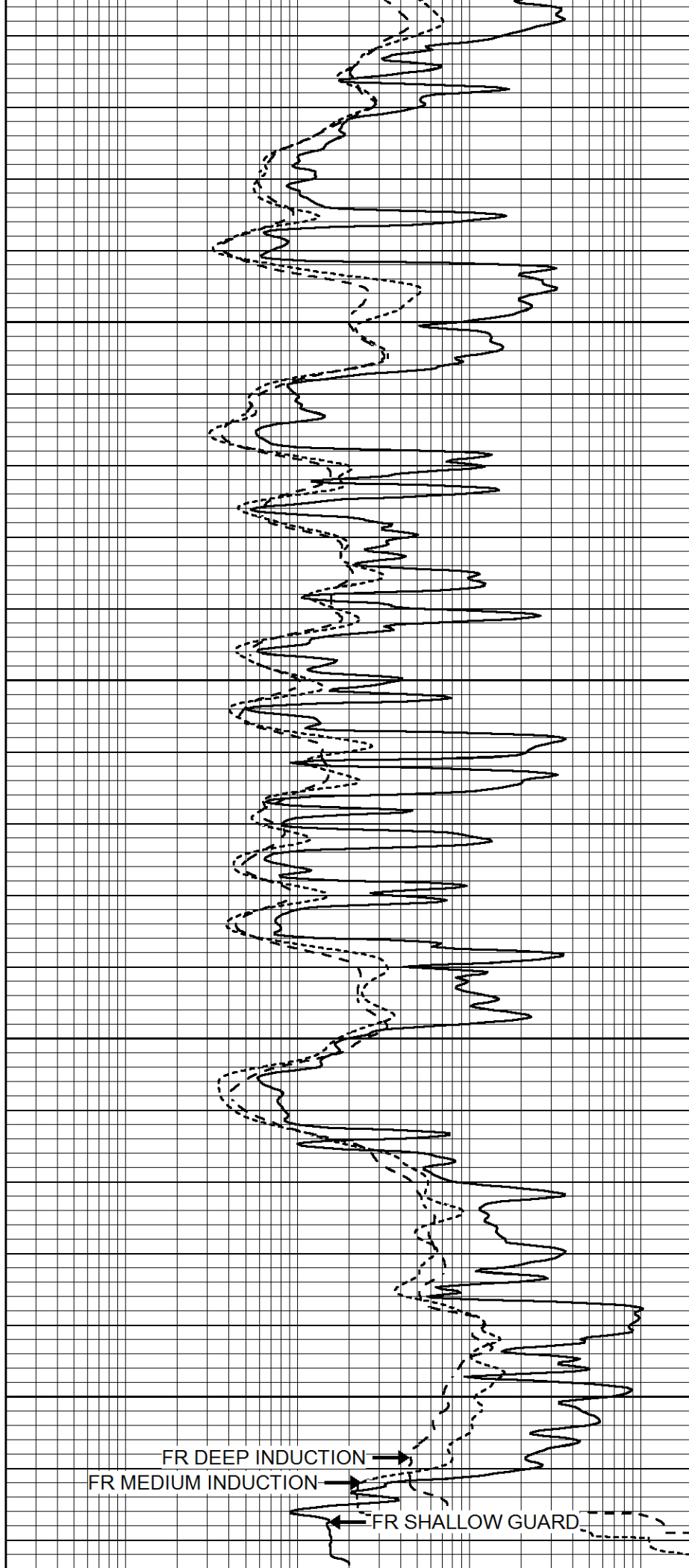
4450

4500

4550

4600

LTD 4620



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



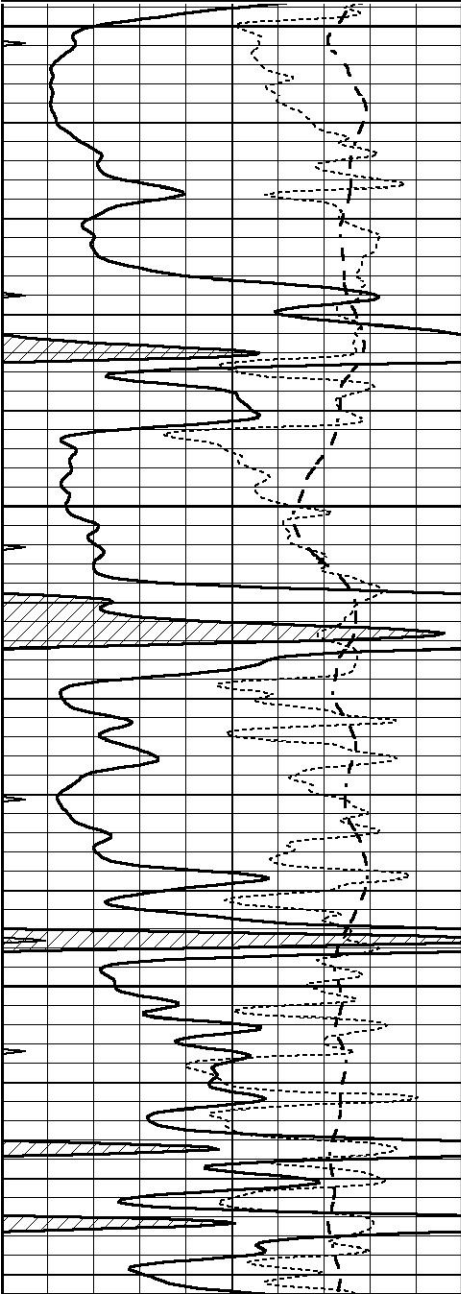
REPEAT SECTION

Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

8424pe.db
pass2.1R
_dil
Fri Mar 22 23:14:12 2024
Depth in Feet scaled 1:240

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

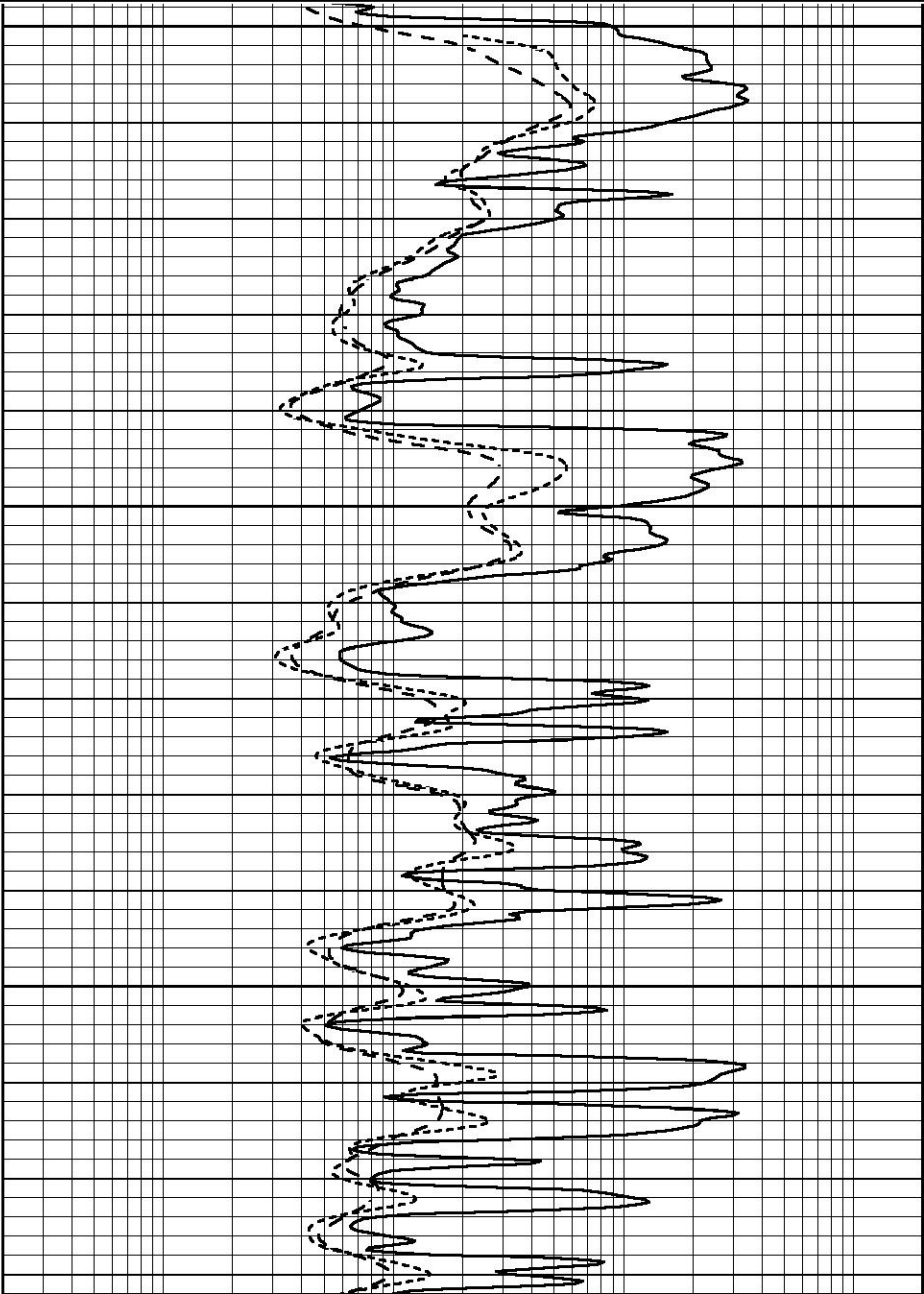
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0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

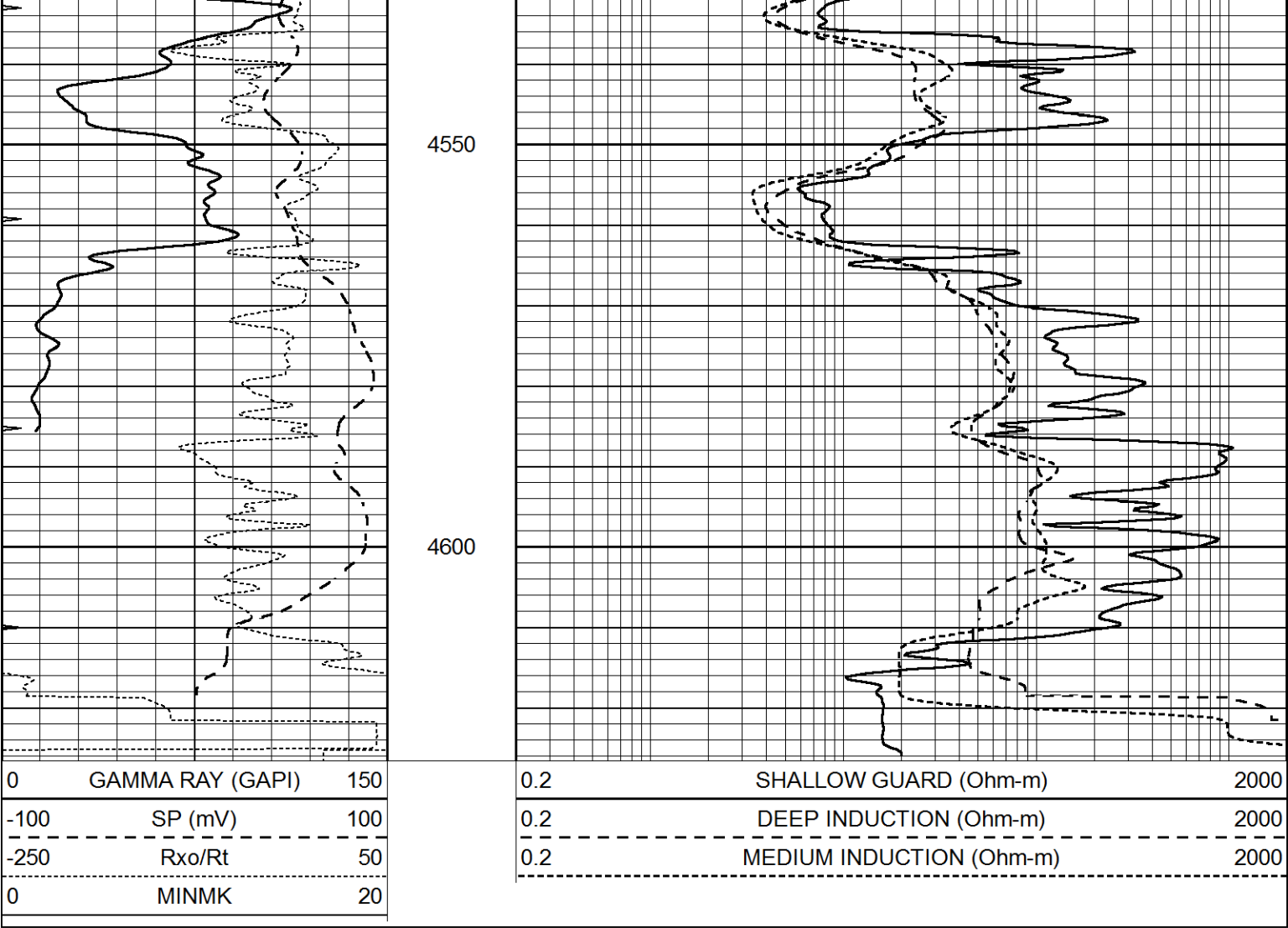


4400

4450

4500





Calibration Report									
Database File	8424pe.db								
Dataset Pathname	pass3.1M								
Dataset Creation	Fri Mar 22 23:08:54 2024								
Dual Induction Calibration Report									
Serial-Model:			PROBE8-DILG						
Surface Cal Performed:			Fri Mar 22 22:23:50 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	12.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	1.000	
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	0.011	405.777	mmho/m	1.000	0.000	

Serial Number: Tool Model:		070808PMC 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:	Wed Mar 20 11:08:27 2024		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	