

# DUAL INDUCTION LOG

Company ARCADIAN RESOURCES, LLC.

Well ELI UNIT #30-1

Field UNNAMED

County CHEYENNE State KANSAS

Location: API #: 15-023-21635-0000

1100' FSL & 100' FWL  
NW - NW - SW - SW

SEC 30 TWP 2S RGE 41W

Permanent Datum GROUND LEVEL Elevation 3696  
Log Measured From KELLY BUSHING 7' A.G.L.  
Drilling Measured From KELLY BUSHING

Other Services  
CDL/CNL/PE  
MEL/SONIC

Elevation

K.B. 3703  
D.F. 3701  
G.L. 3696

Date	9/6/23		
Run Number	ONE		
Depth Driller	5120		
Depth Logger	5120		
Bottom Logged Interval	5118		
Top Log Interval	00		
Casing Driller	8 5/8"@391'		
Casing Logger	391		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1.300 PPM	
Density / Viscosity	9.4/53		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40@89F		
Rmf @ Meas. Temp	1.05@89F		
Rmc @ Meas. Temp	1.68@89F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.989@126F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	12:30 P.M.		
Maximum Recorded Temperature	126F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	SEAN DEENIHAN		

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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.

15-023-21635-0000

Comments

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
ST FRANCIS, KS., N. ON HWY 27 TO CURVE, W. TO CURVE NORTH, JOG W. ON COUNTY RD. TO  
"T", 1/2S. TO RED BARN, 2W., 1/4N., E. SIDE

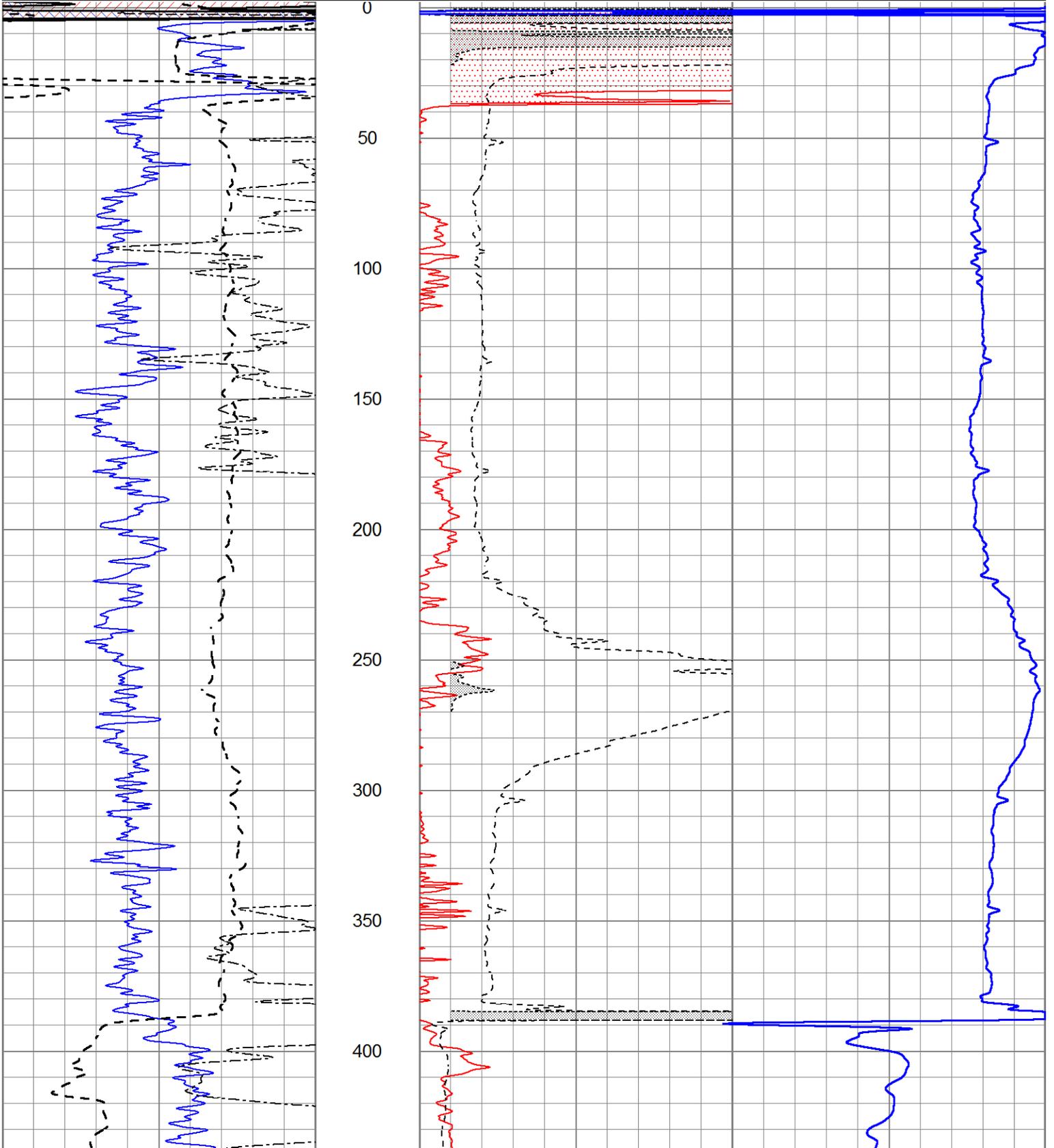


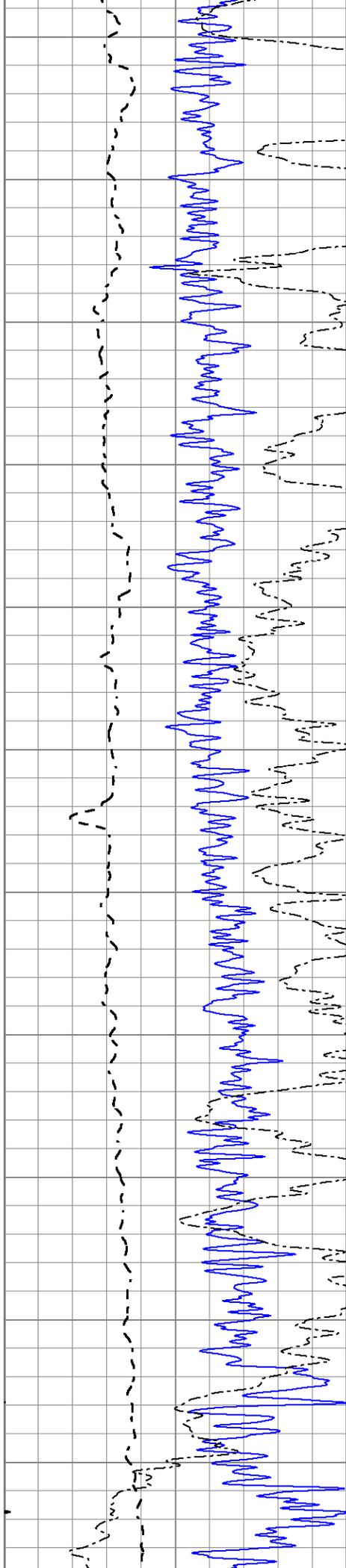
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 Dataset Pathname pass3.1M  
 Presentation Format \_dil2  
 Dataset Creation Wed Sep 06 13:49:15 2023  
 Charted by Depth in Feet scaled 1:600

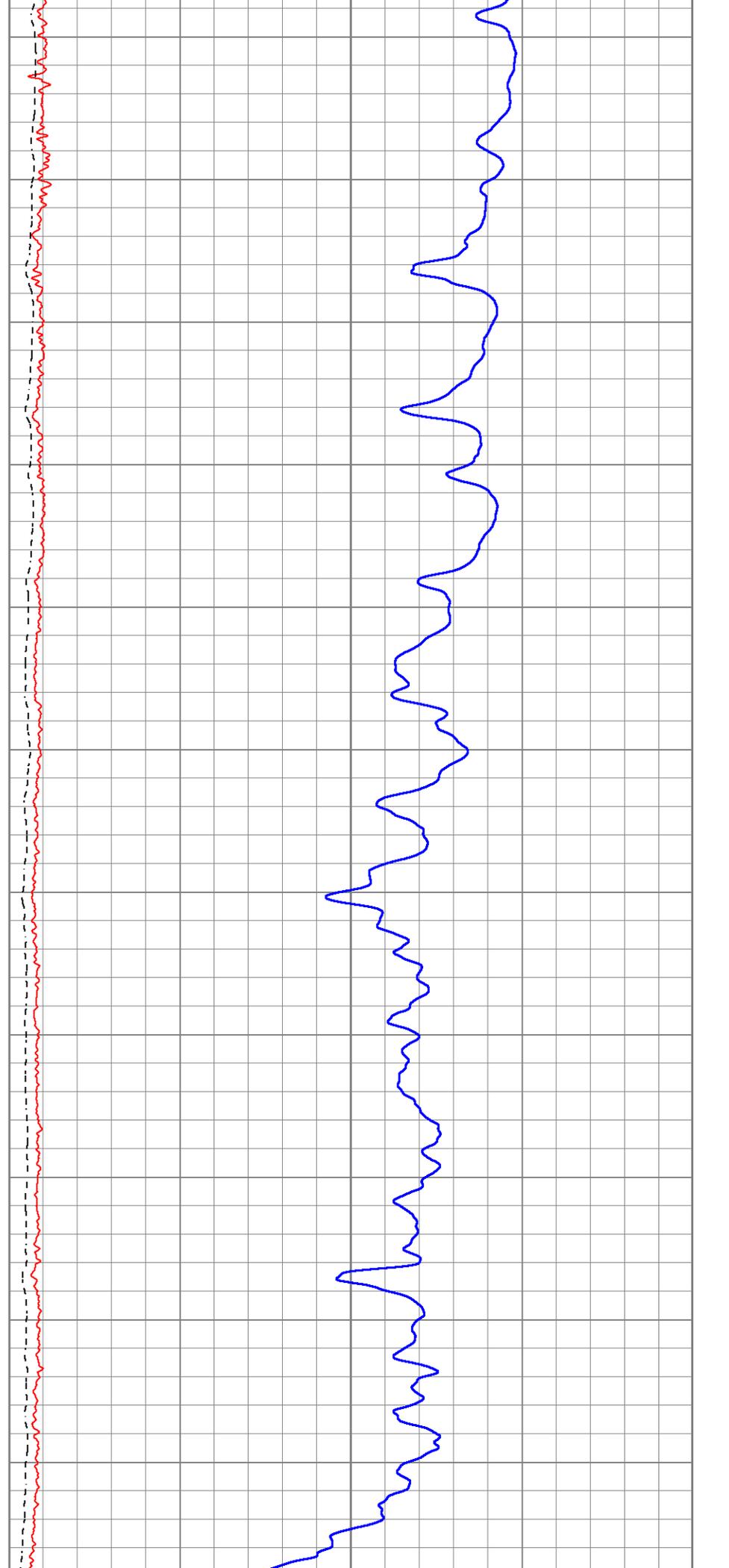
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-100	SP (mV)	100
0	RWA (Ohm-m)	1

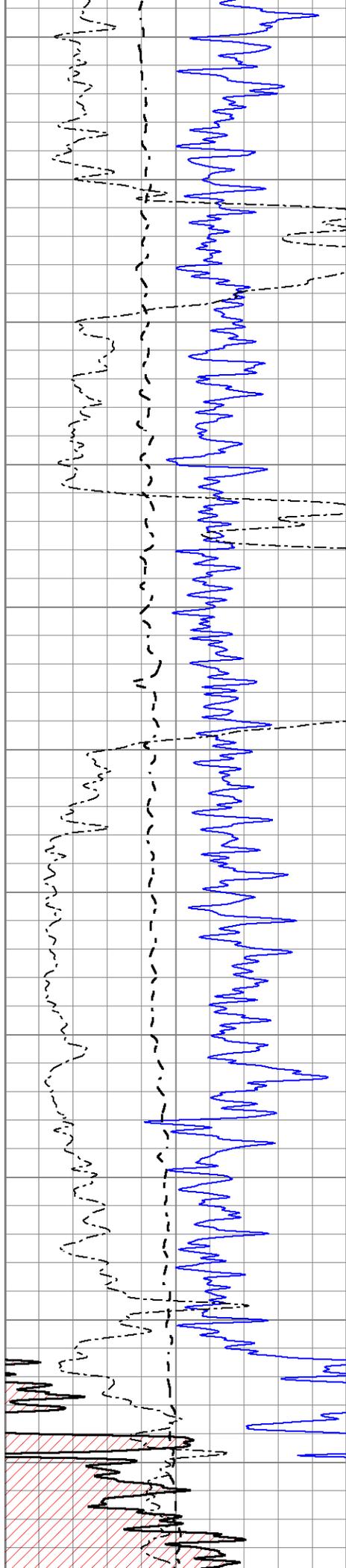
1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500



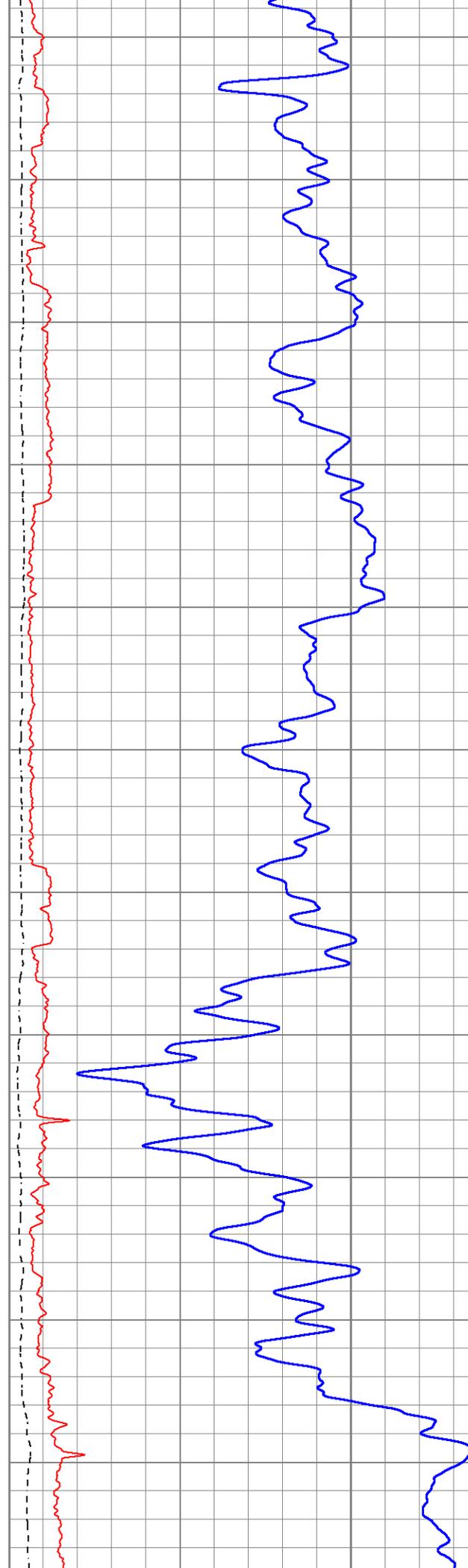


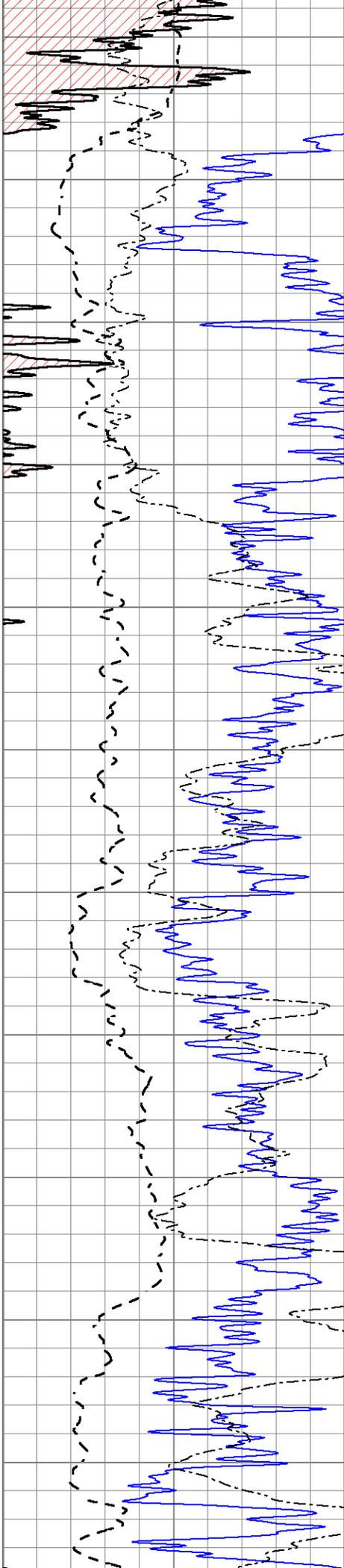
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900  
950





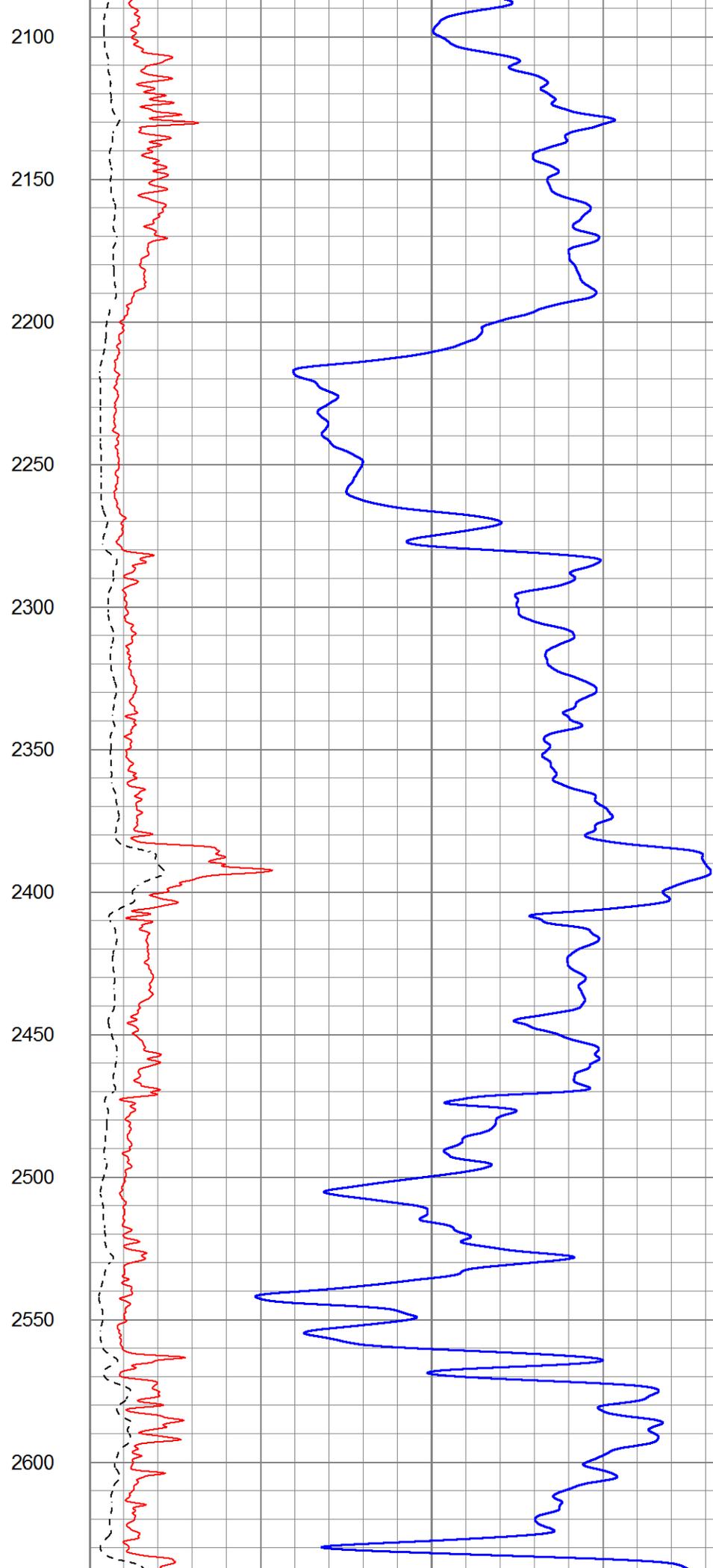
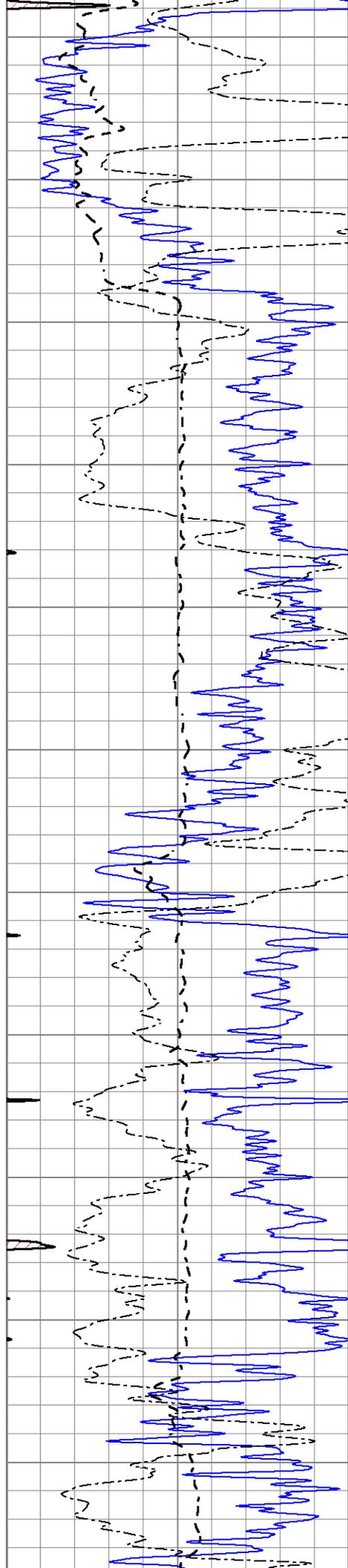
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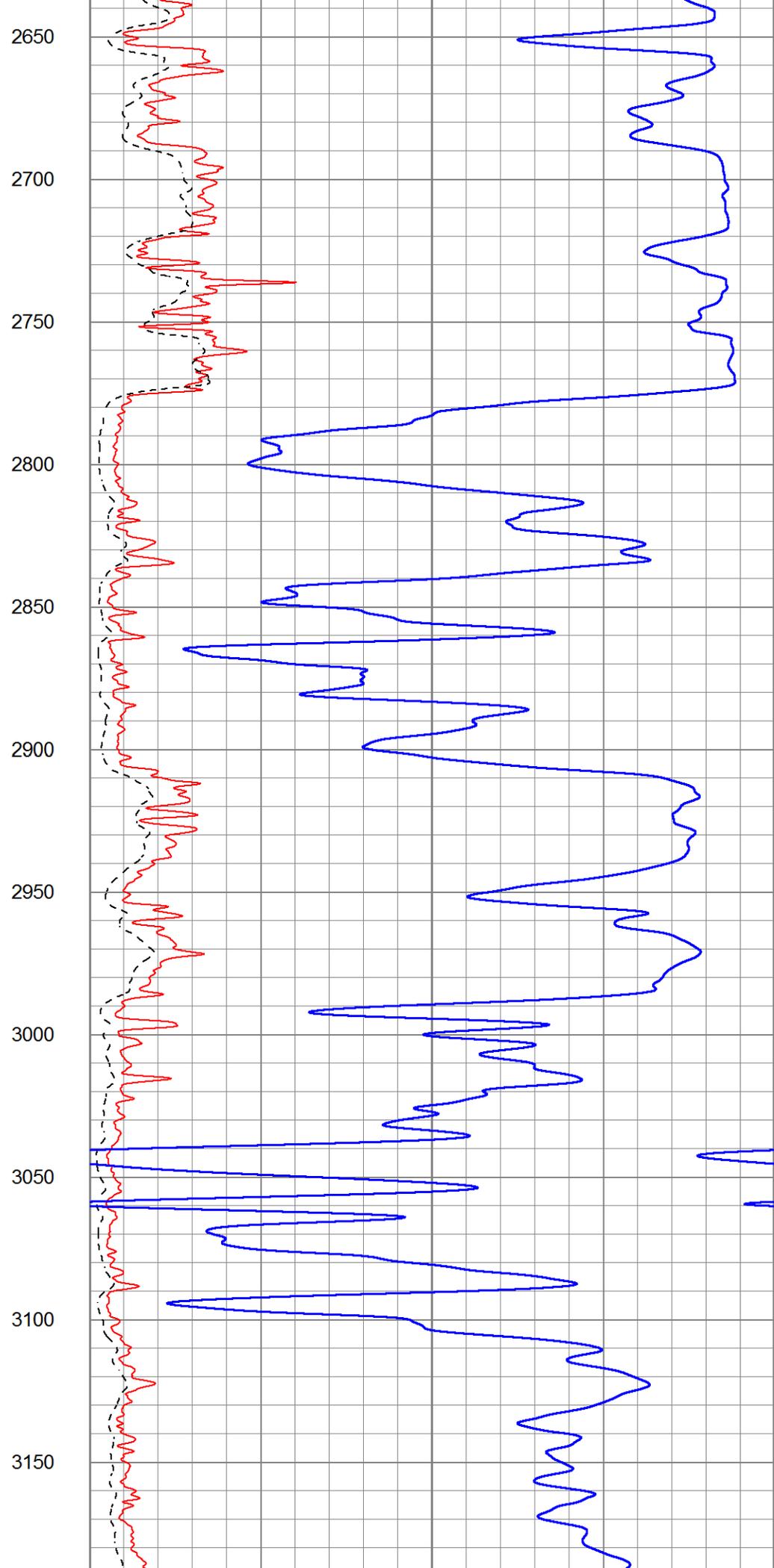
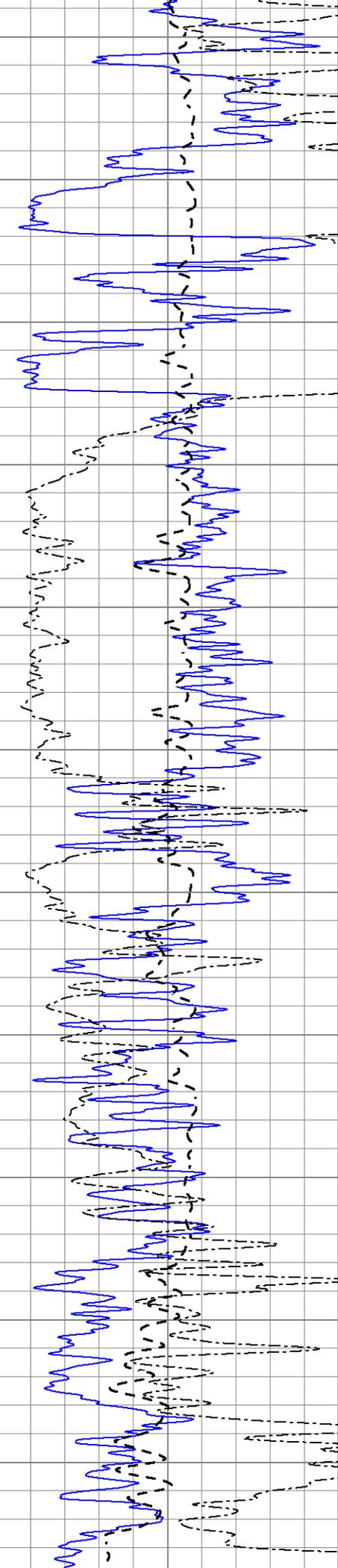


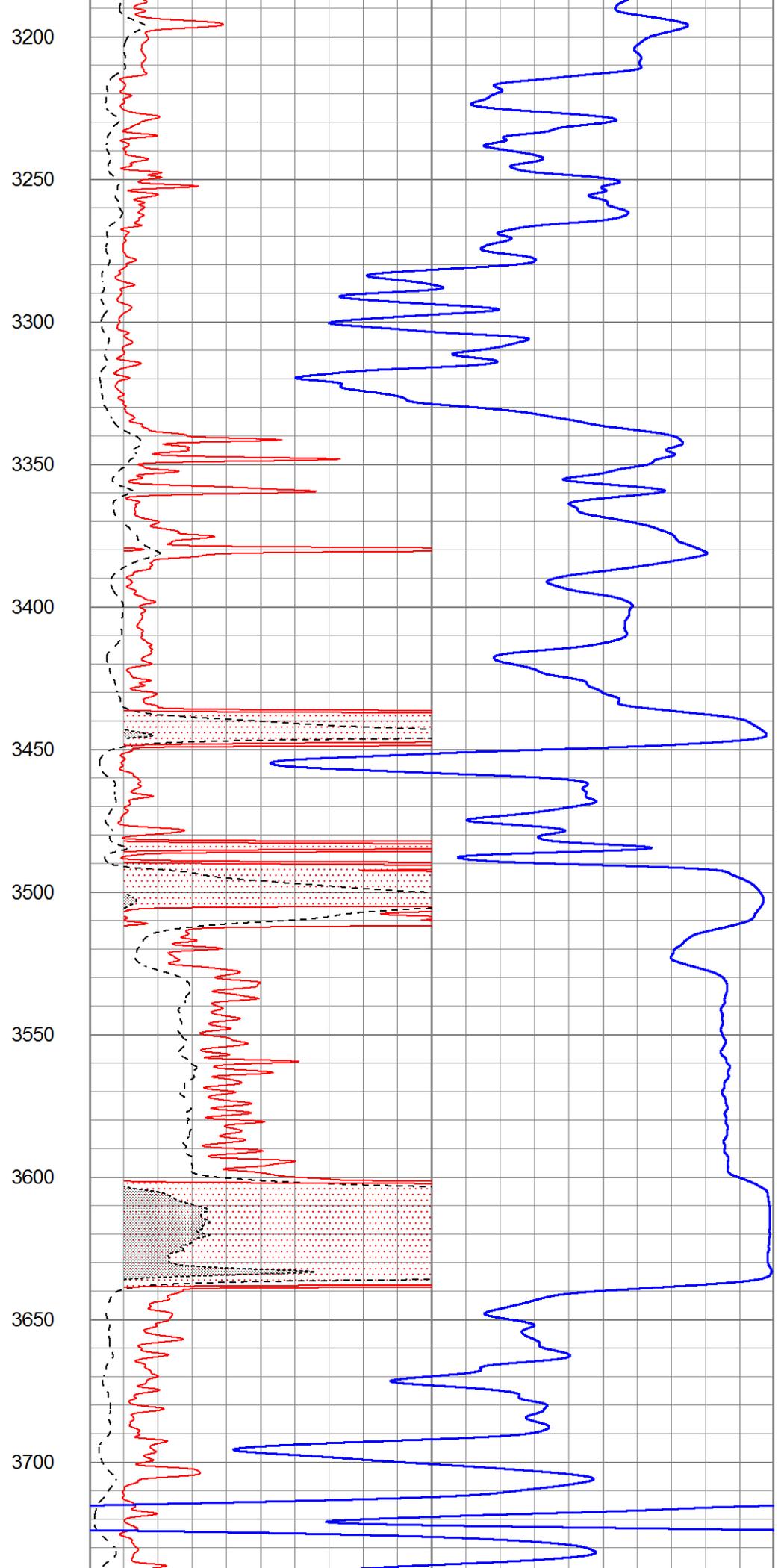
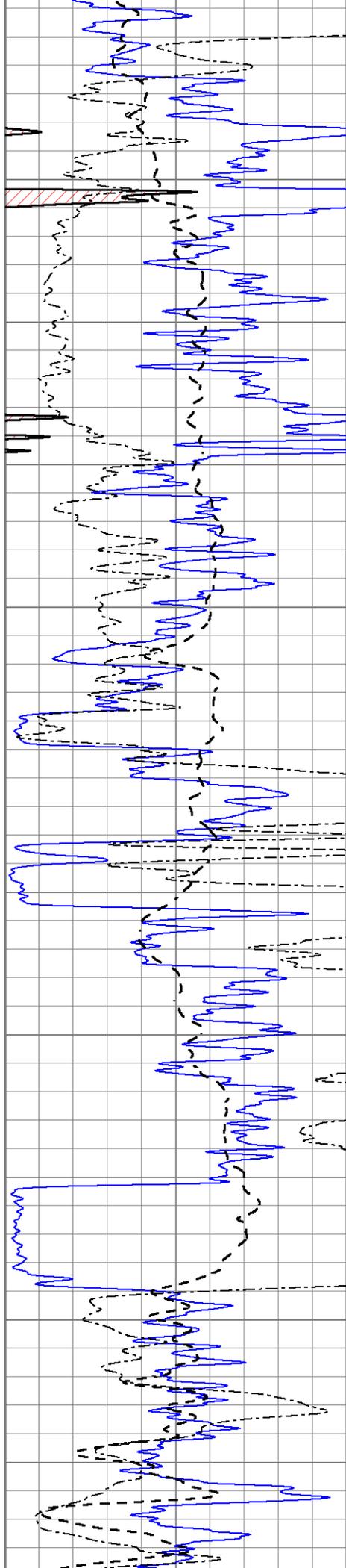


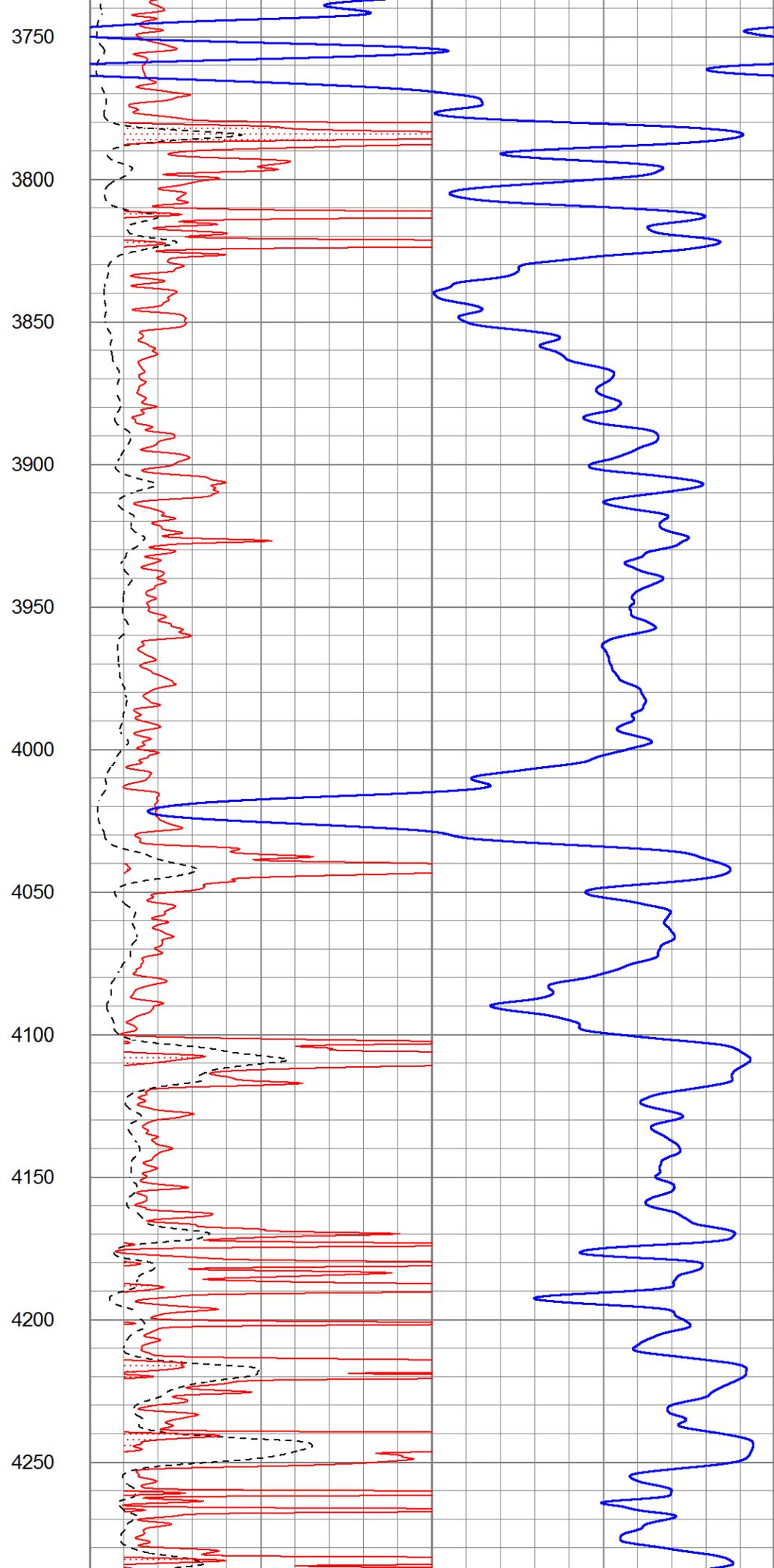
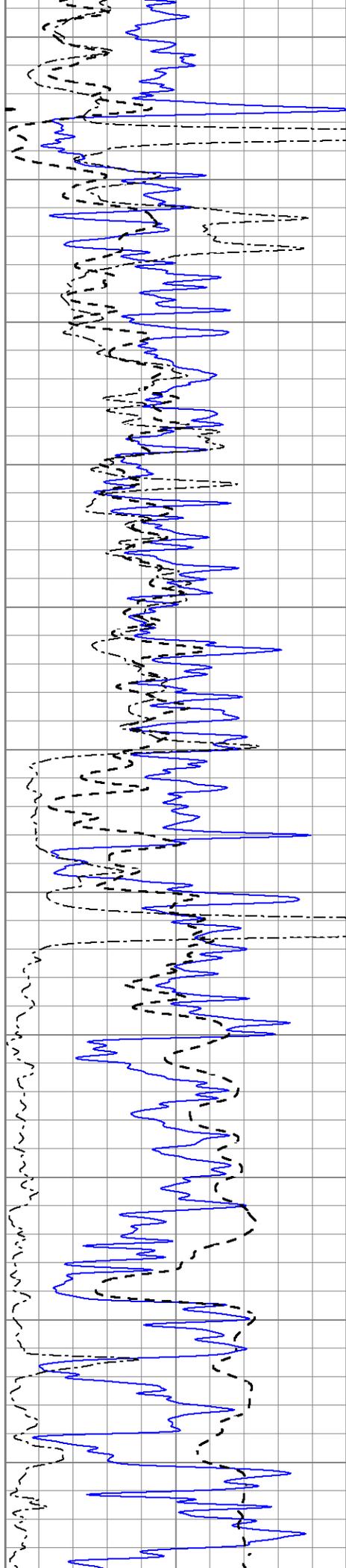
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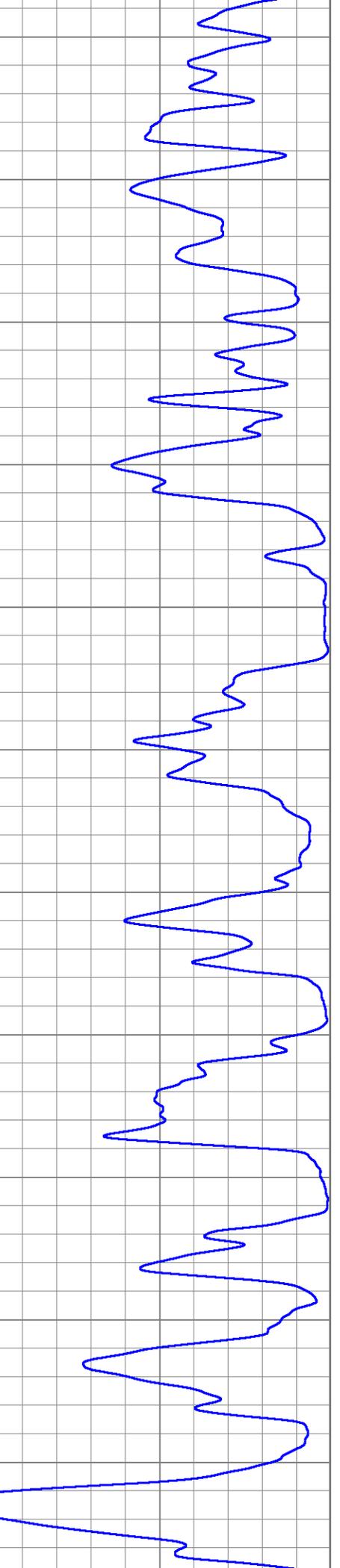
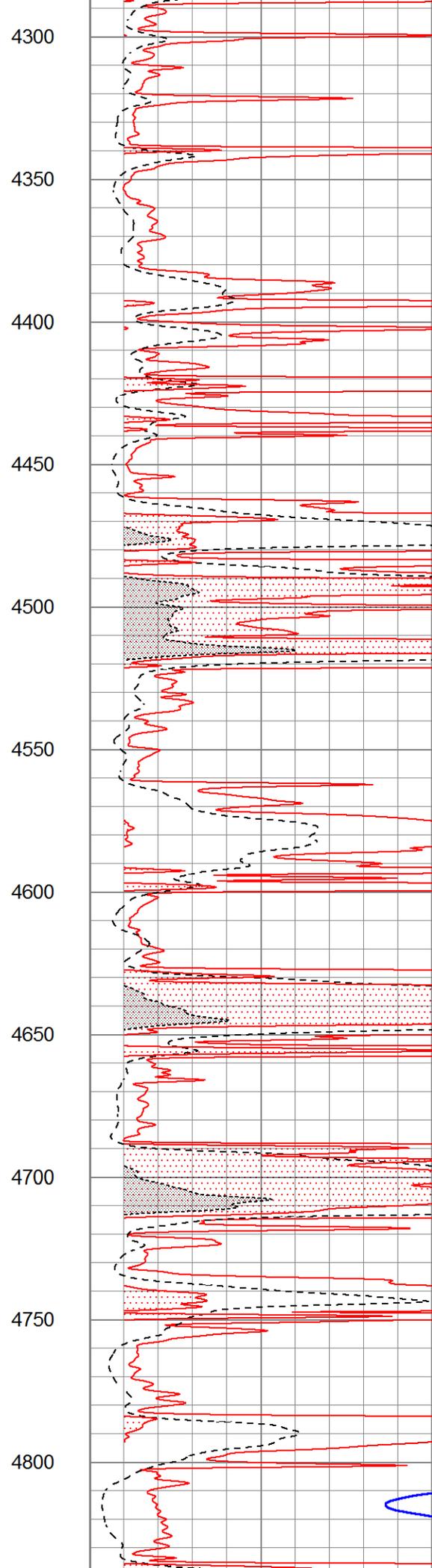
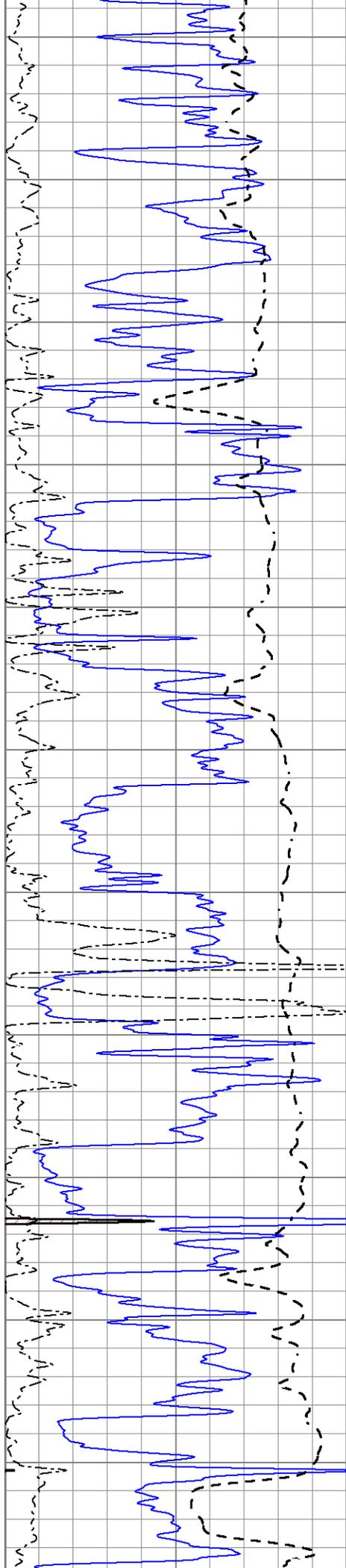


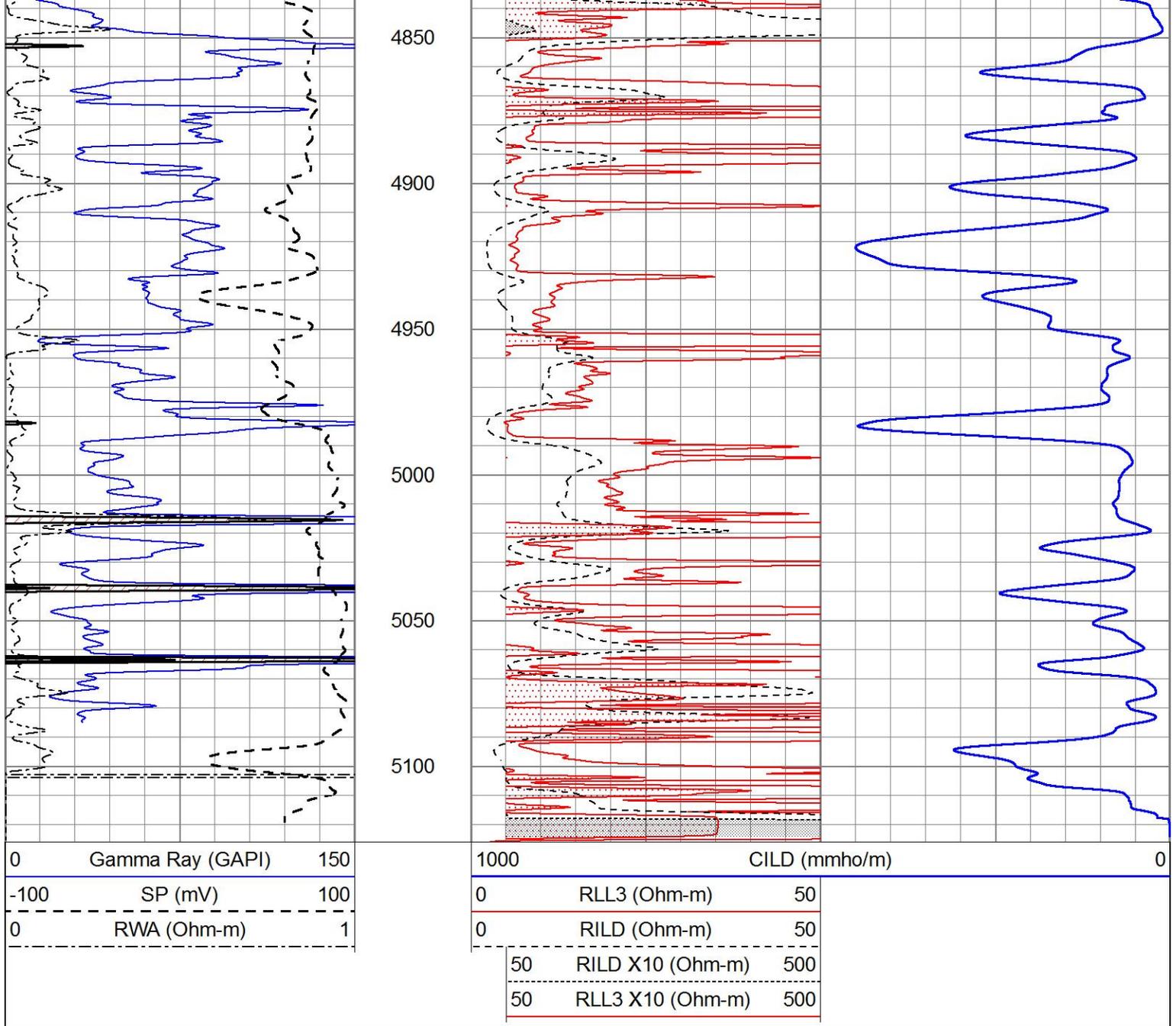








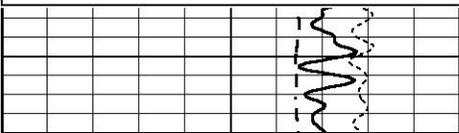


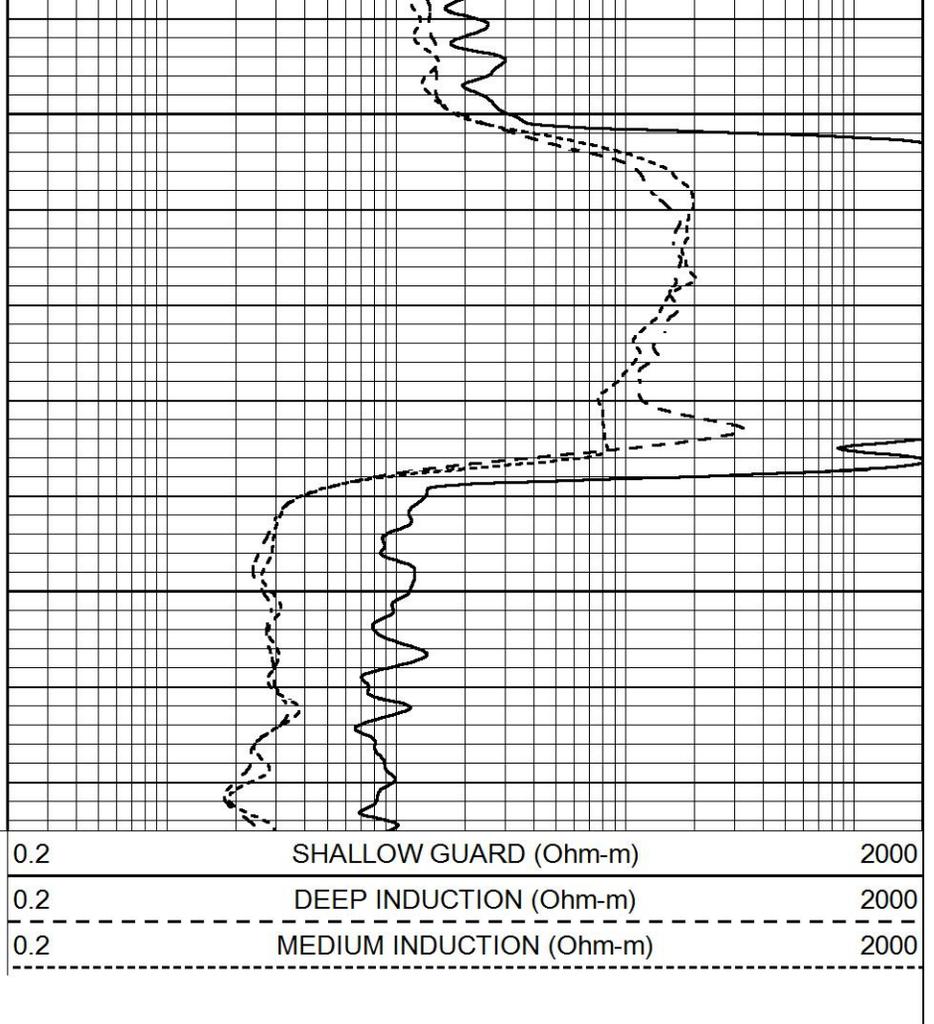
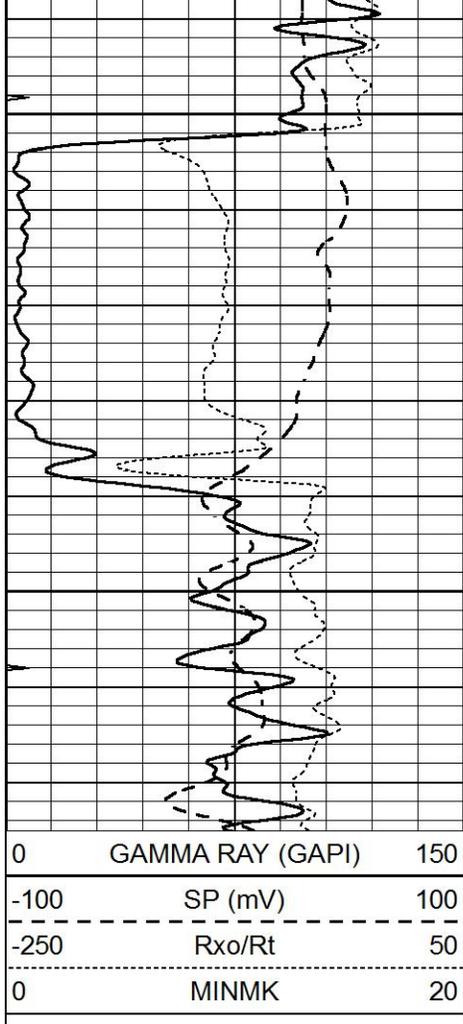


# ANHYDRITE

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 Presentation Format \_dil  
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 Charted by Depth in Feet scaled 1:240

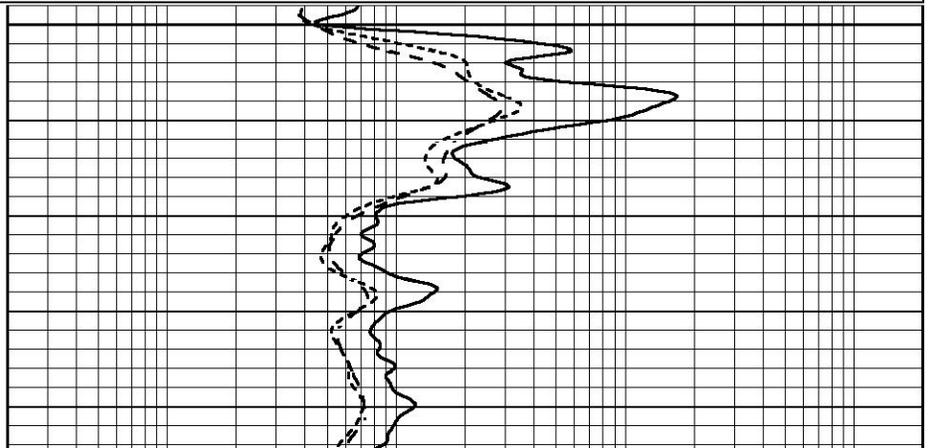
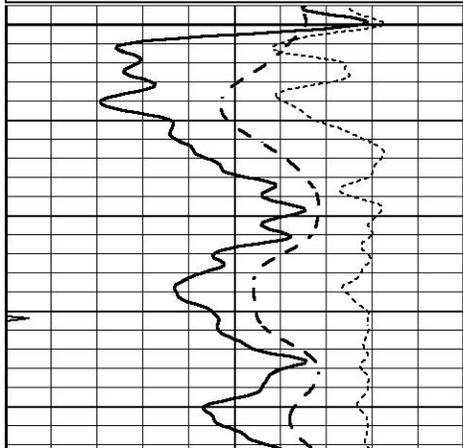
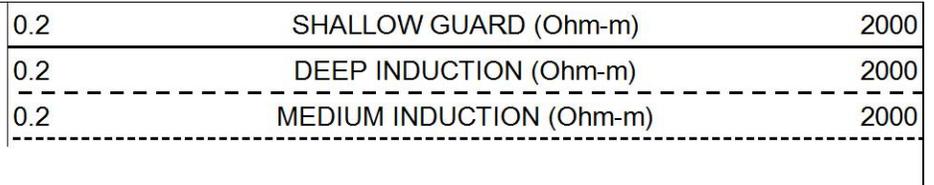
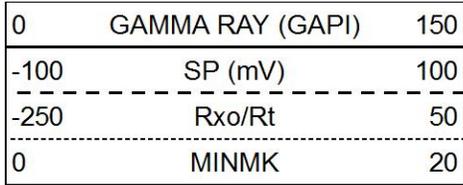
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-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			

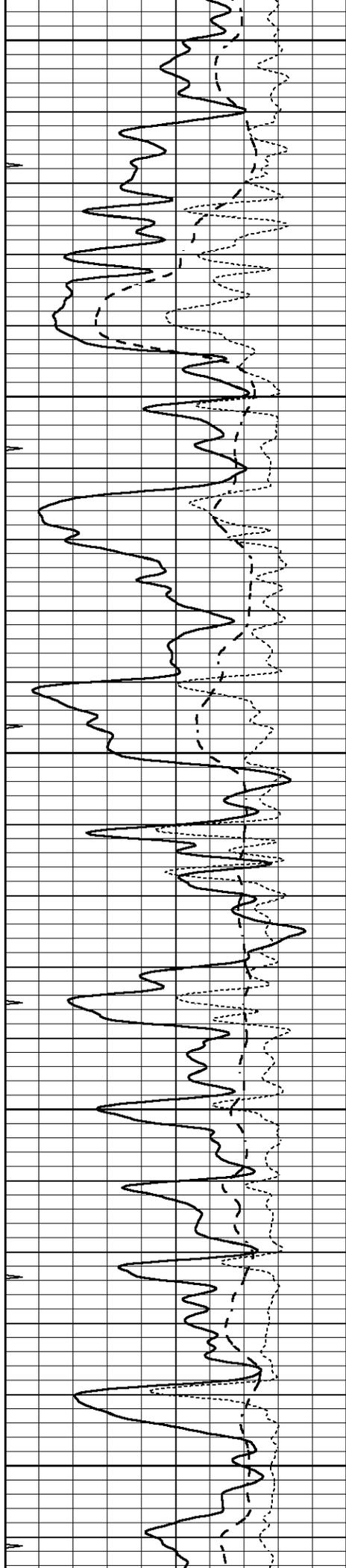




# MAIN SECTION

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 Presentation Format \_dil  
 Dataset Creation Wed Sep 06 13:49:15 2023  
 Charted by Depth in Feet scaled 1:240





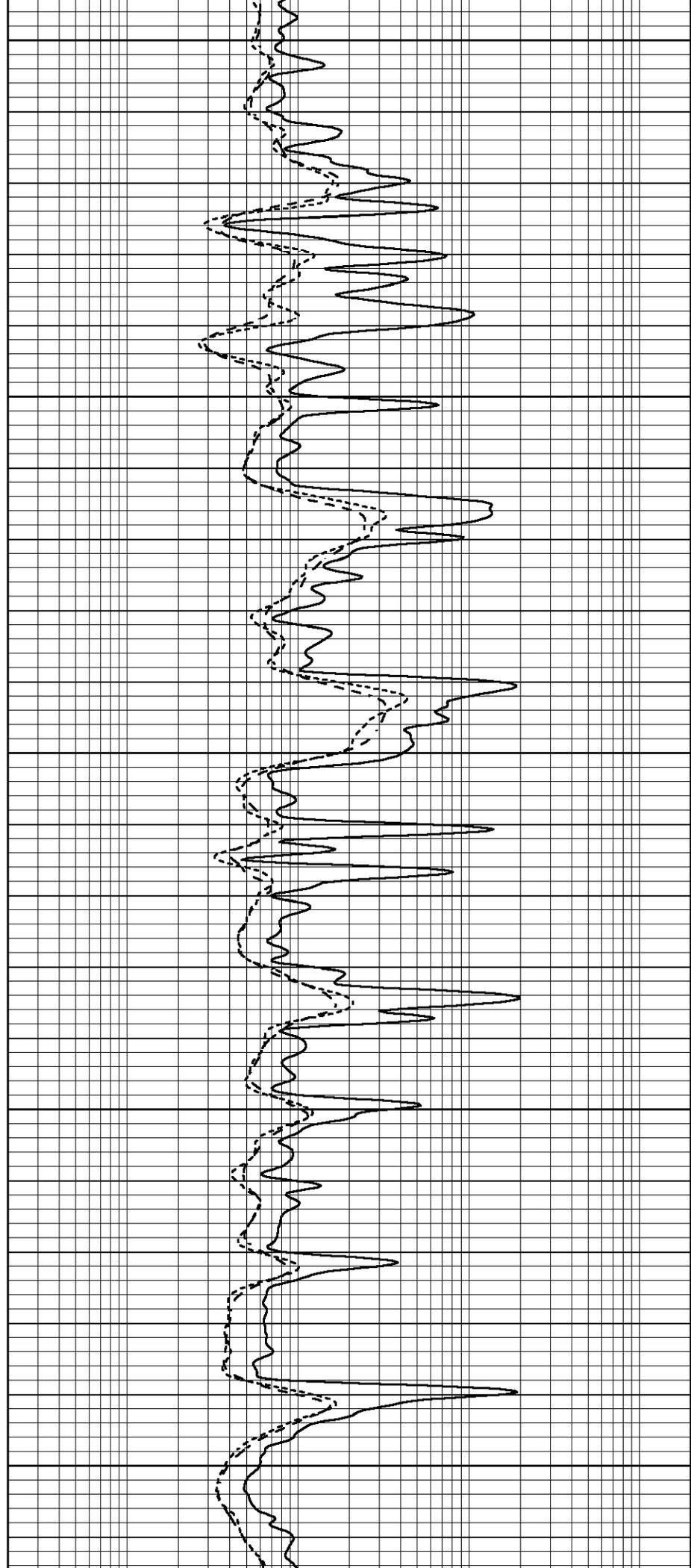
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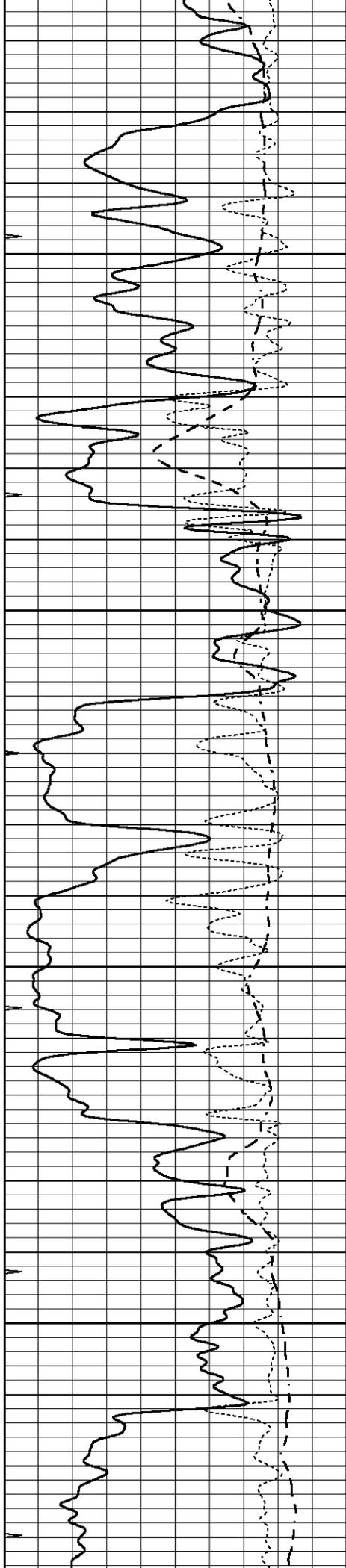
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4250

4300

4350



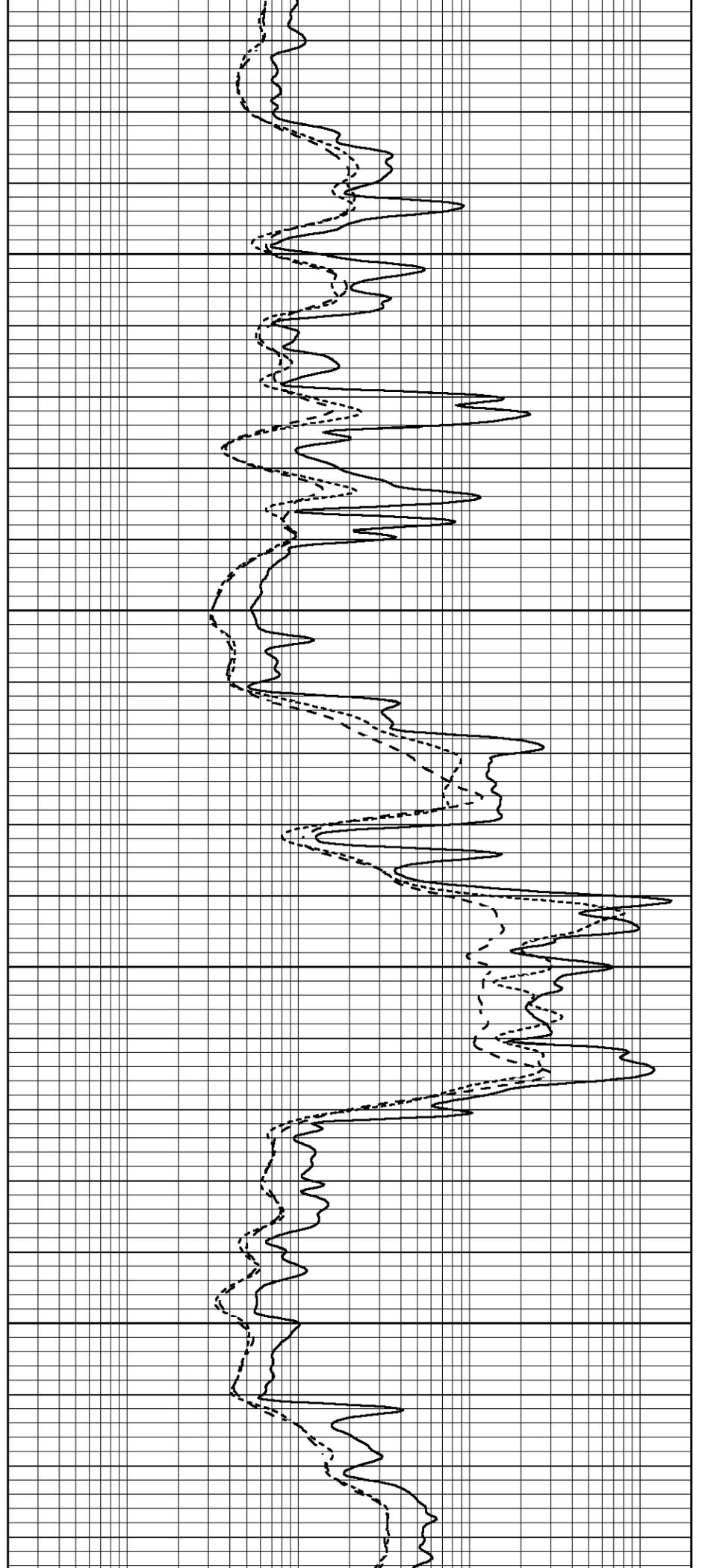


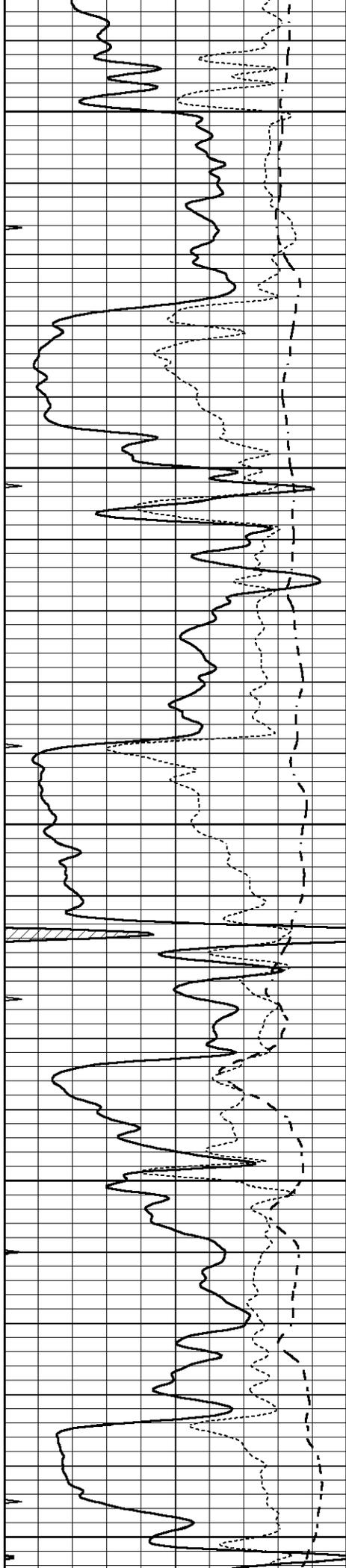
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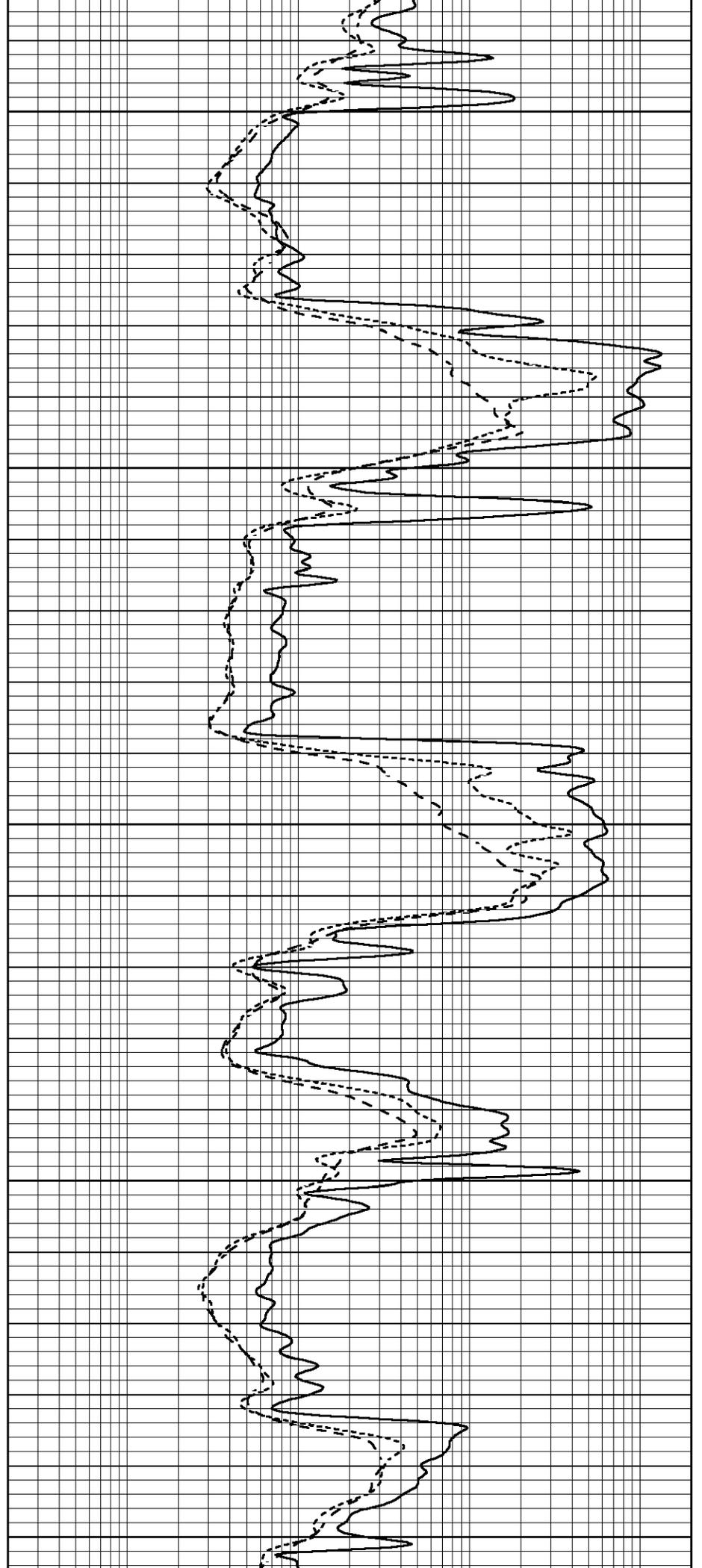
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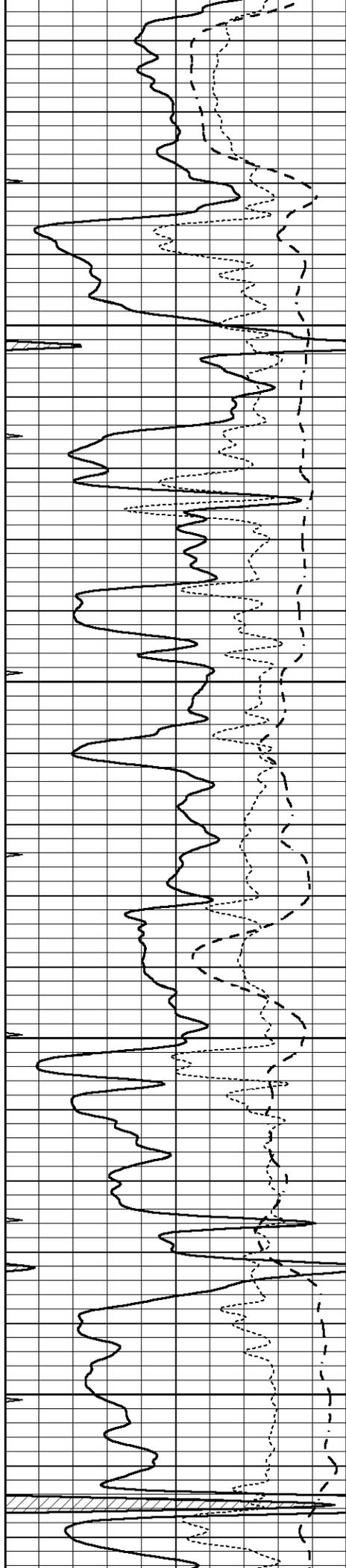
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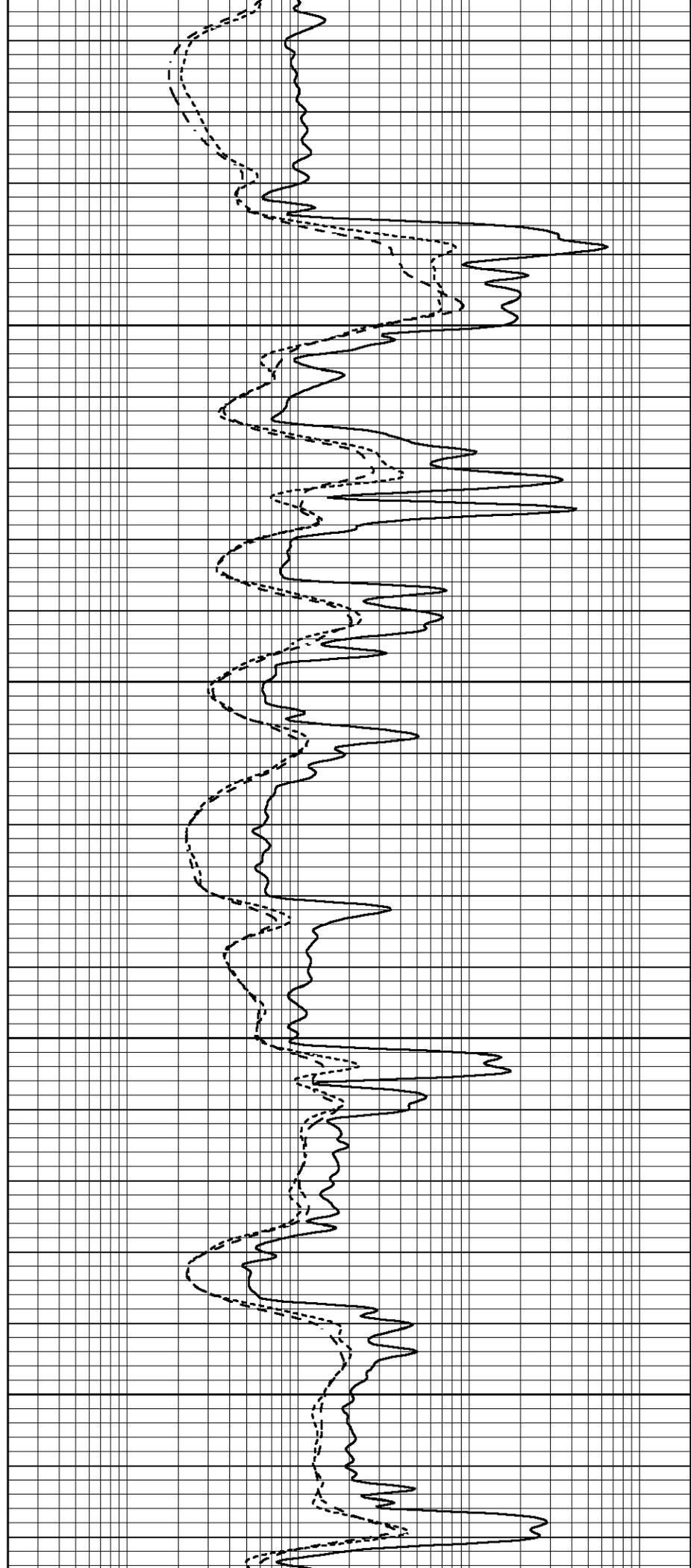


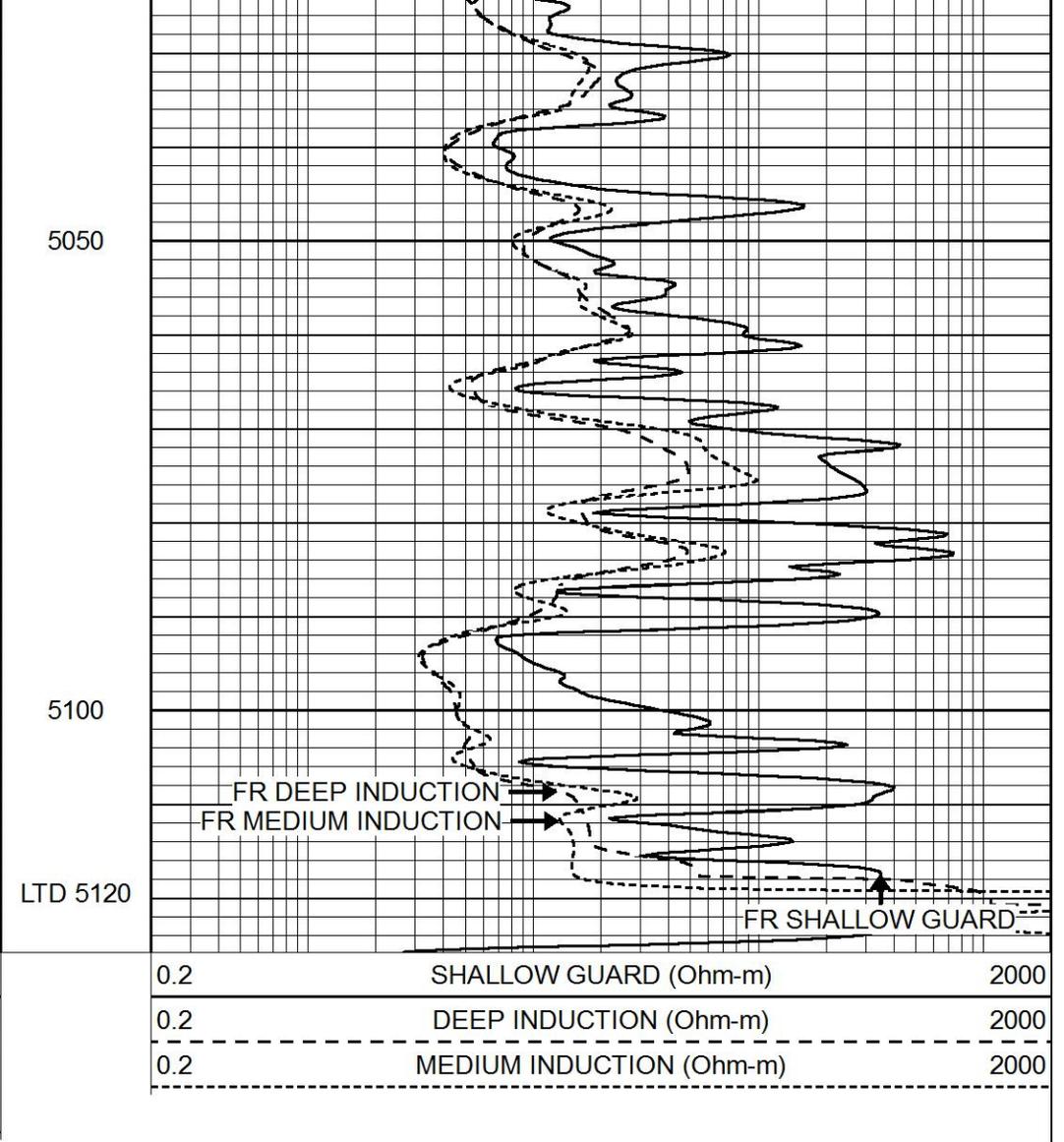
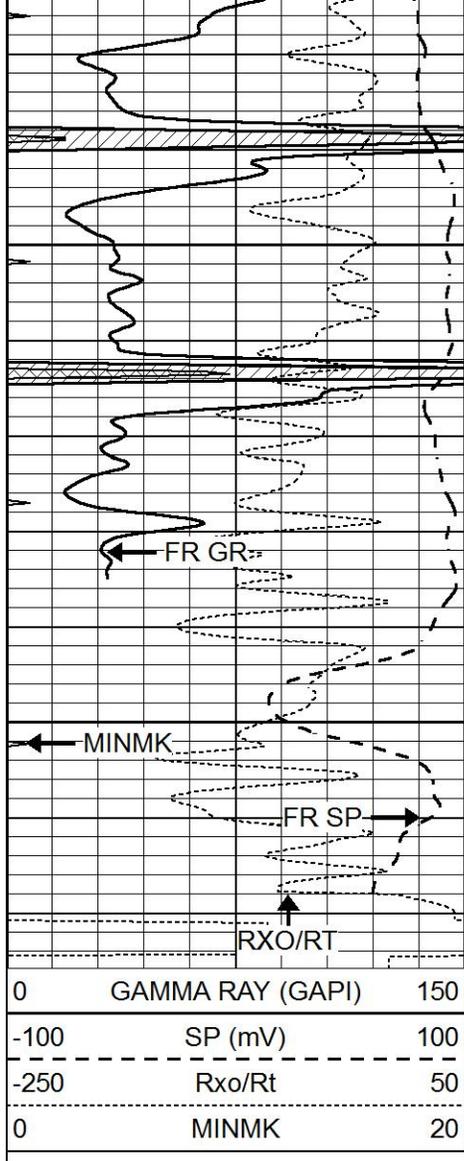
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4950

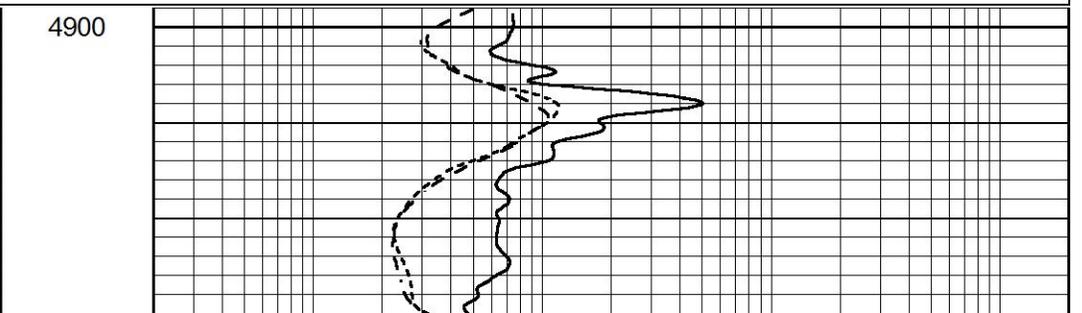
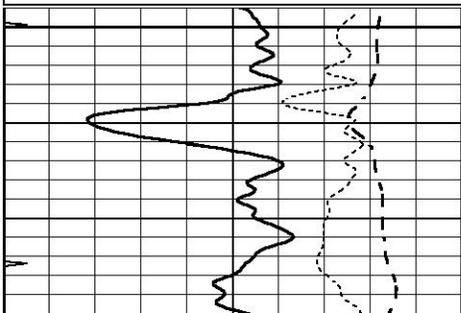
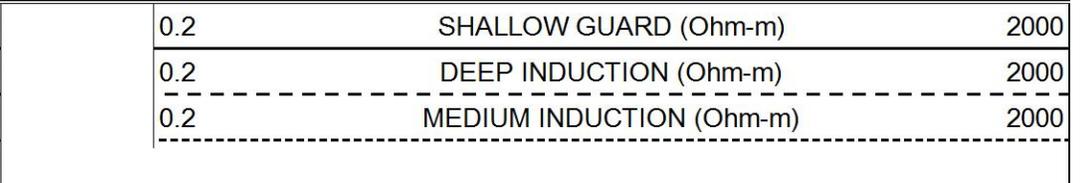
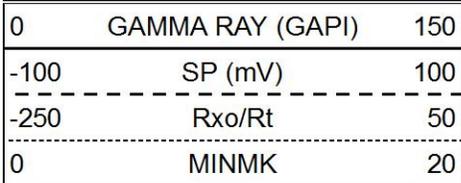
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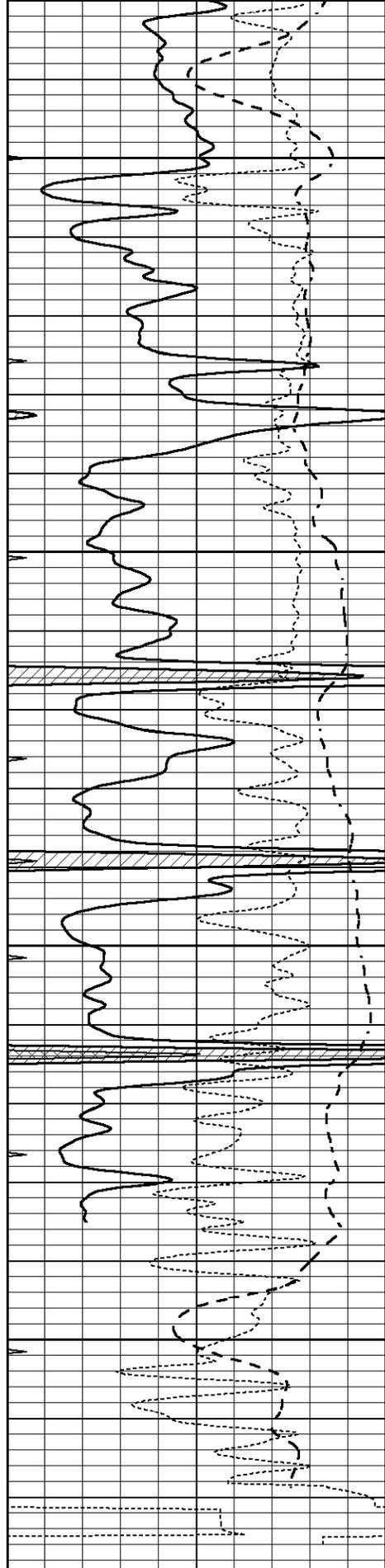




# REPEAT SECTION

Database File 8208pe.db  
 Dataset Pathname pass2.1R  
 Presentation Format \_dil  
 Dataset Creation Wed Sep 06 13:28:20 2023  
 Charted by Depth in Feet scaled 1:240





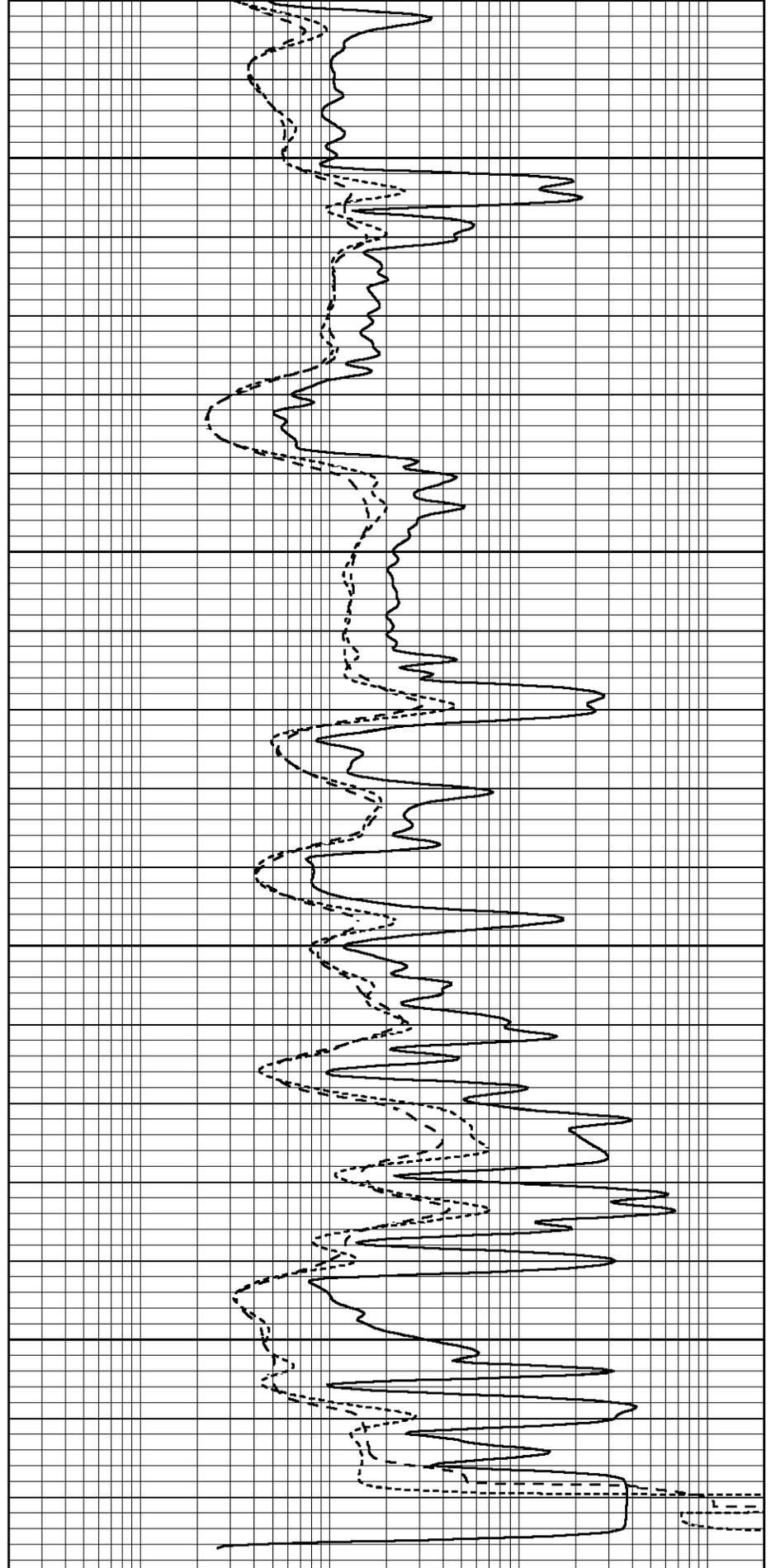
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5000

5050

5100

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 8208pe.db  
 Dataset Pathname pass3.1M  
 Dataset Creation Wed Sep 06 13:49:15 2023

Dual Induction Calibration Report

Serial-Model: DIL7-GEAR  
 Surface Cal Performed: Wed Sep 06 12:50:34 2023  
 Downhole Cal Performed: Tue Apr 17 15:38:44 2007  
 After Survey Verification Performed: Tue Apr 17 15:38:40 2007

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.019	0.660	V	0.000	400.000	mmho/m	660.000	18.000
Medium	-0.006	0.655	V	0.000	462.500	mmho/m	720.000	-18.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.010	0.665	V	0.000	400.000	mmho/m	610.018	-5.925
Medium	0.009	0.655	V	0.000	400.000	mmho/m	618.983	-5.564

Downhole Calibration

Internal:	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Deep	3.372	400.834	mmho/m	0.556	401.206	mmho/m	1.008	-2.843
Medium	13.557	467.446	mmho/m	9.465	462.114	mmho/m	0.997	-4.055
Shallow	2.521	0.019	V	500.000	2.000	Ohm-m	250.000	2.500

After Survey Verification

Internal:	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	3.372	400.834	mmho/m	1.008	-2.843
Medium	0.000	0.000	mmho/m	13.557	467.446	mmho/m	0.997	-4.055
Shallow	2.500	0.000	Ohm-m	500.000	2.000	Ohm-m	250.000	0.000

Litho Density Calibration Report  
 Serial: 004 Model: PRB

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

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: Wed Aug 23 13:21:36 2023

Calibrator Value: 1.0 GAPI  
 Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps  
 Sensitivity: 0.3000 GAPI/cps