



DUAL INDUCTION
LOG

Company ABERCROMBIE ENERGY, LLC.
Well MORGAN #1-35
Field UNNAMED
County SCOTT State KANSAS

Location: API #: 15-171-21316-0000
2336 FNL & 670 FWL
SEC 35 TWP 20S RGE 31W
Permanent Datum GROUND LEVEL Elevation 2899
Log Measured From KELLY BUSHING 7' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
MEL/SON
Elevation
K.B. 2906
D.F. 2904
G.L. 2899

Date	2/15/24		
Run Number	ONE		
Depth Driller	5000		
Depth Logger	5000		
Bottom Logged Interval	4998		
Top Log Interval	00		
Casing Driller	8.625 @ 347		
Casing Logger	347		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2.000 PPM	
Density / Viscosity	9.2/52		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.90 @ 64F		
Rmt @ Meas. Temp	1.43 @ 64F		
Rmc @ Meas. Temp	2.28 @ 64F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.973 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	12:30 A.M.		
Maximum Recorded Temperature	125F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	DAVE GOLDAK		

<<< Fold Here >>>

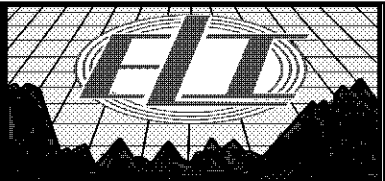
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 SERVICES, HAYS, KS. (785) 628-6395

DIRECTIONS:

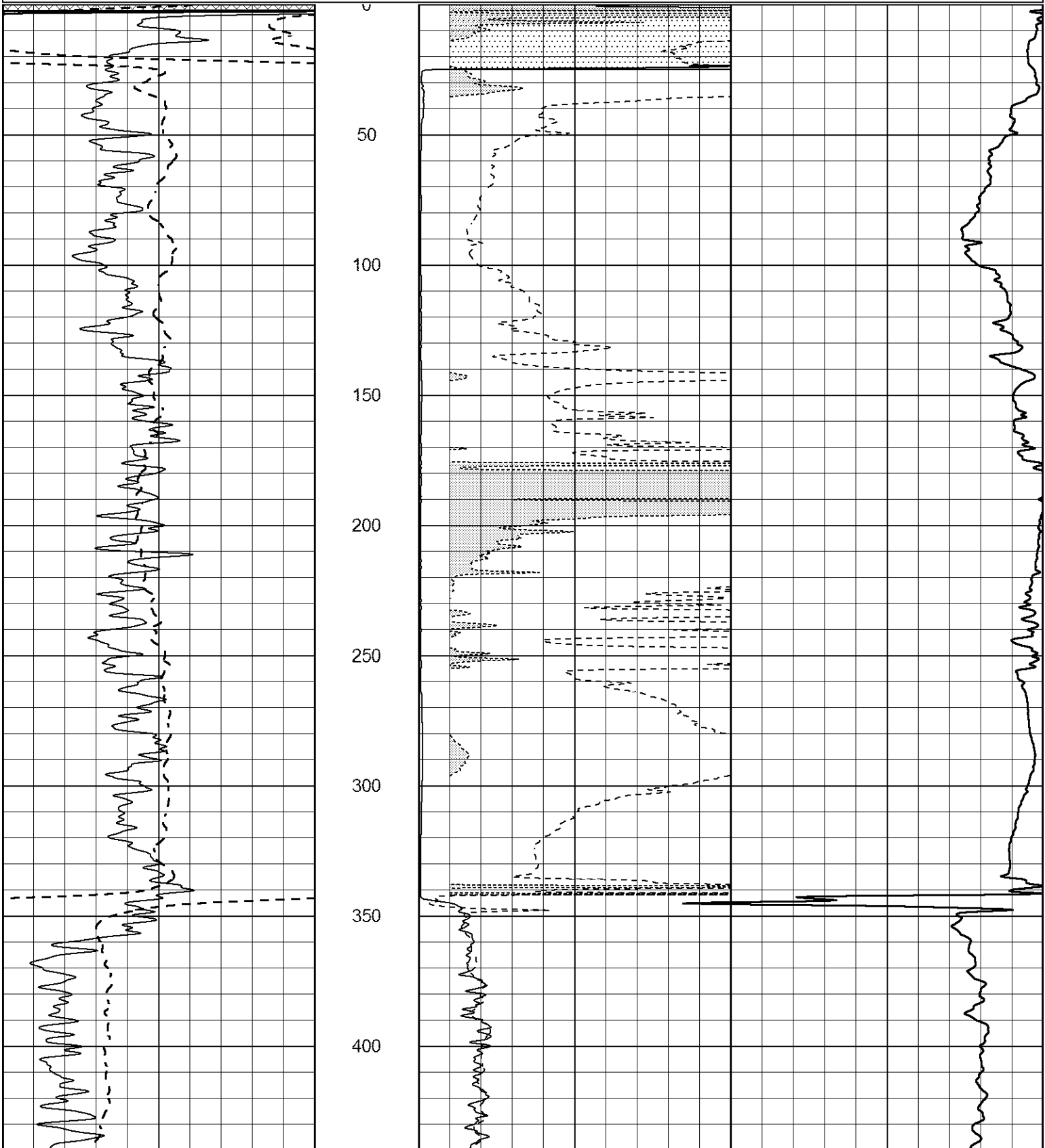
FROM SCOTT CITY, KANSAS GO SOUTH ON HIGHWAY 83 TO FINNEY/SCOTT COUNTY ROAD,
EAST 9.3 MILES TO VENISON ROAD, NORTH 1/2 MILE, EAST INTO

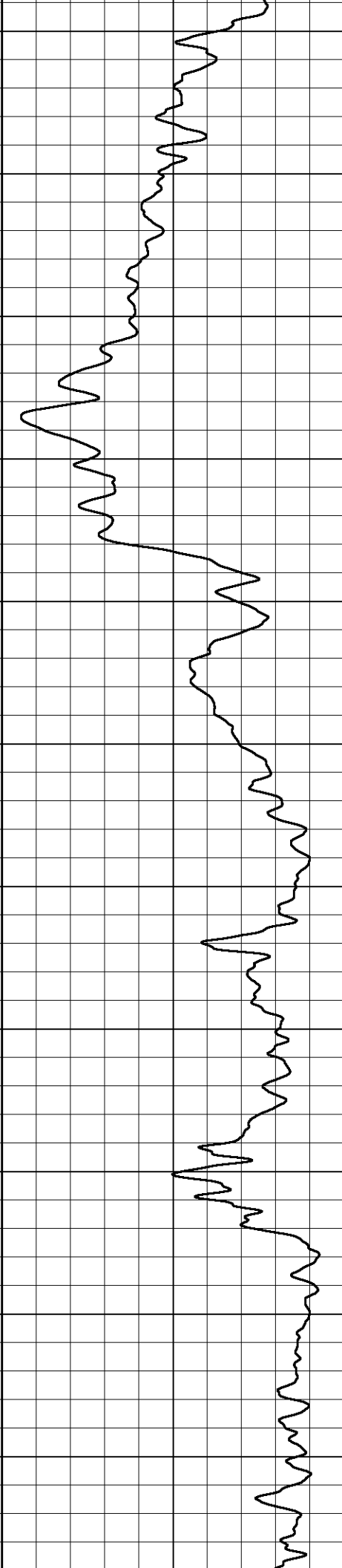
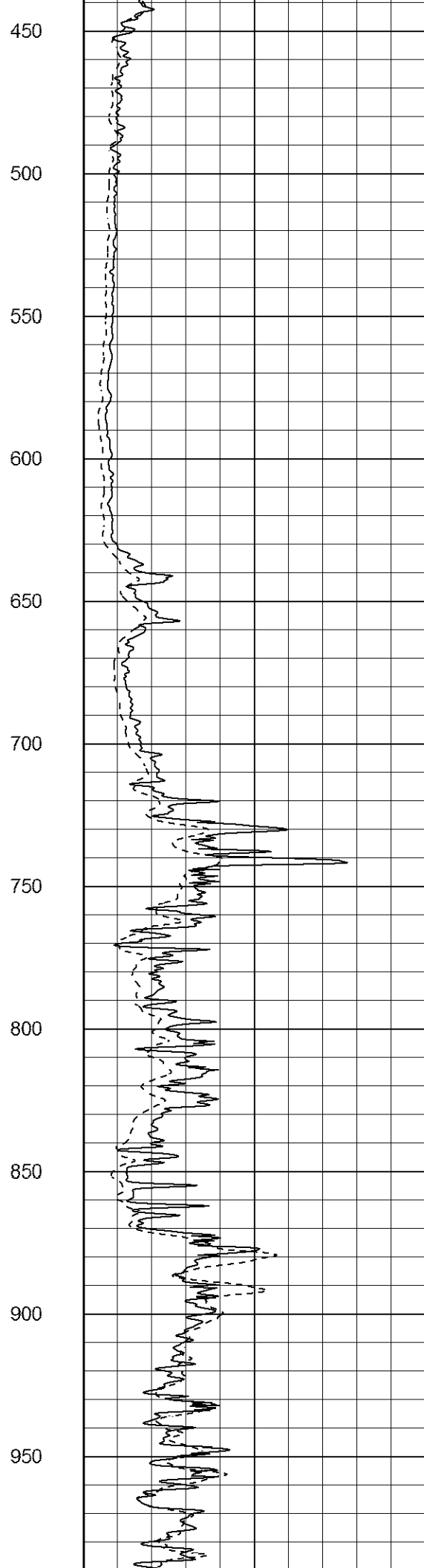
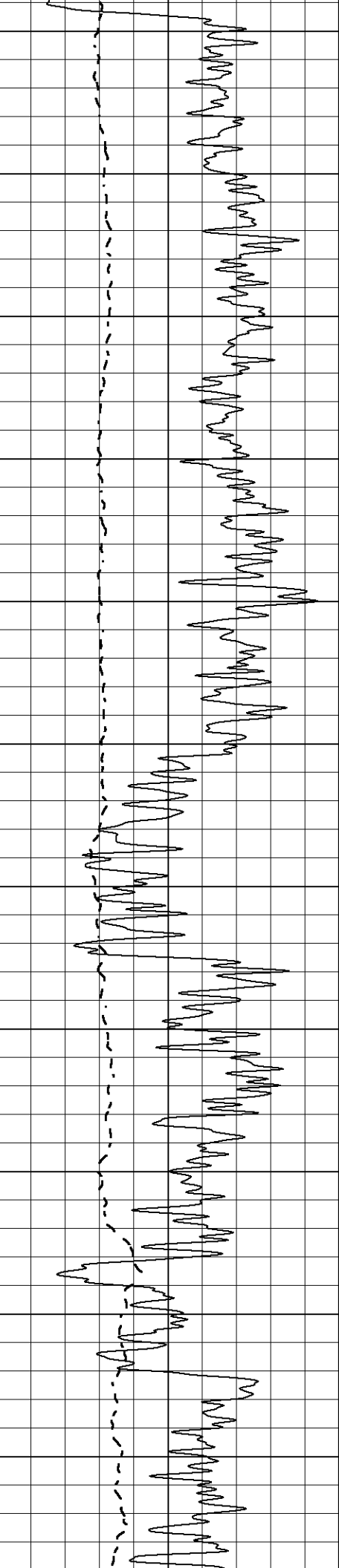


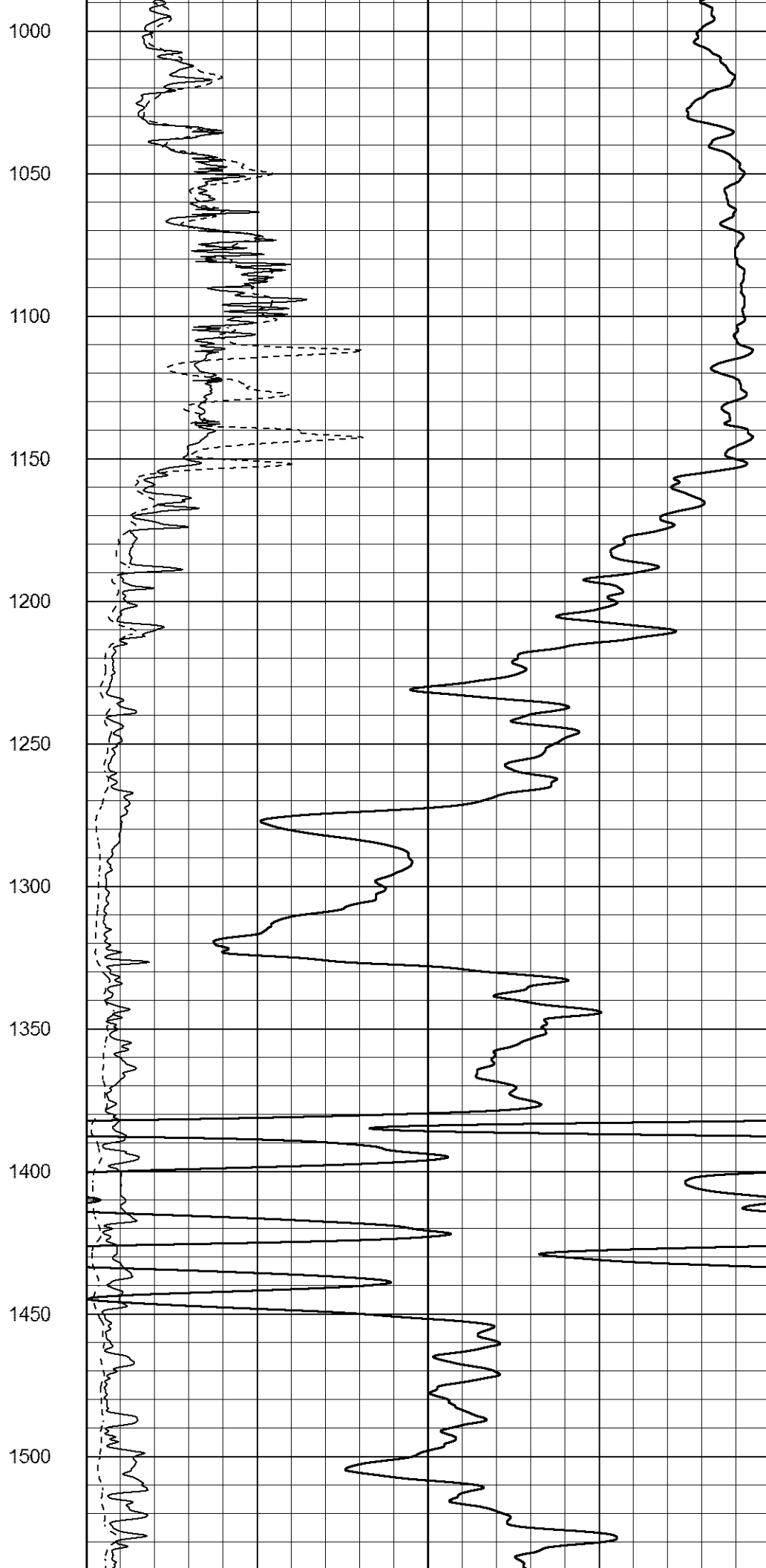
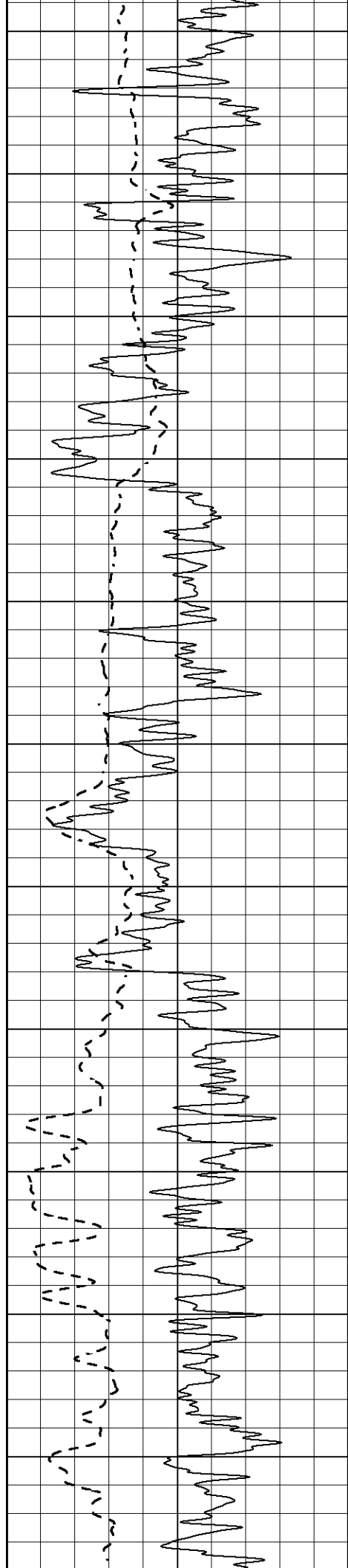
MAIN SECTION

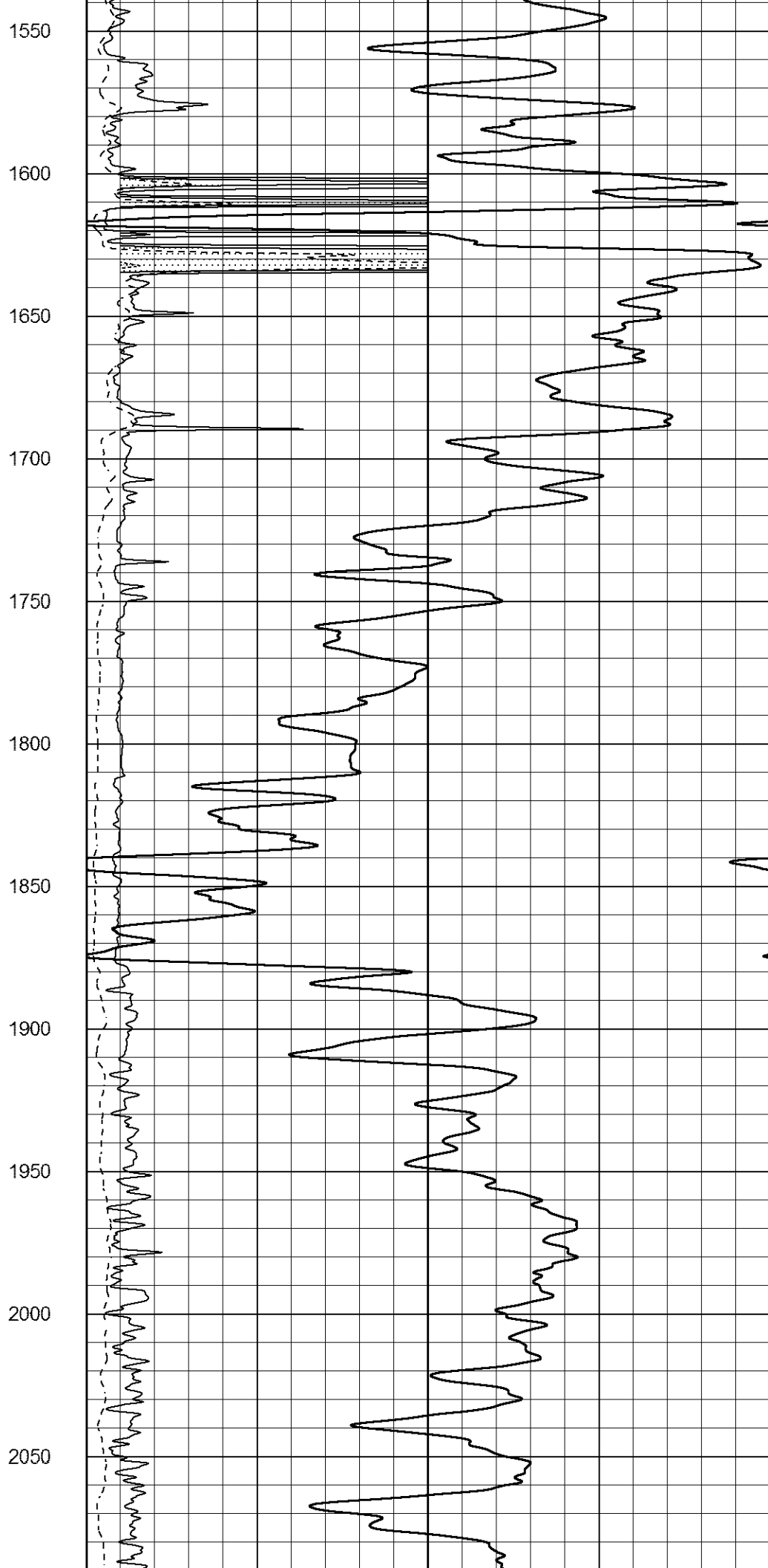
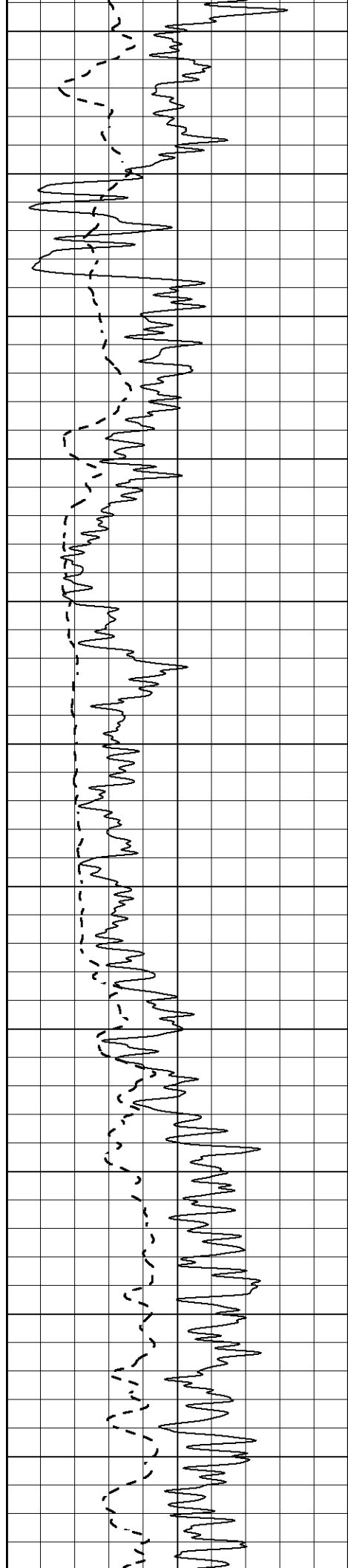
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Dataset Pathname	pass3MAIN
Presentation Format	_dil2
Dataset Creation	Thu Feb 15 03:32:14 2024
Charted by	Depth in Feet scaled 1:600

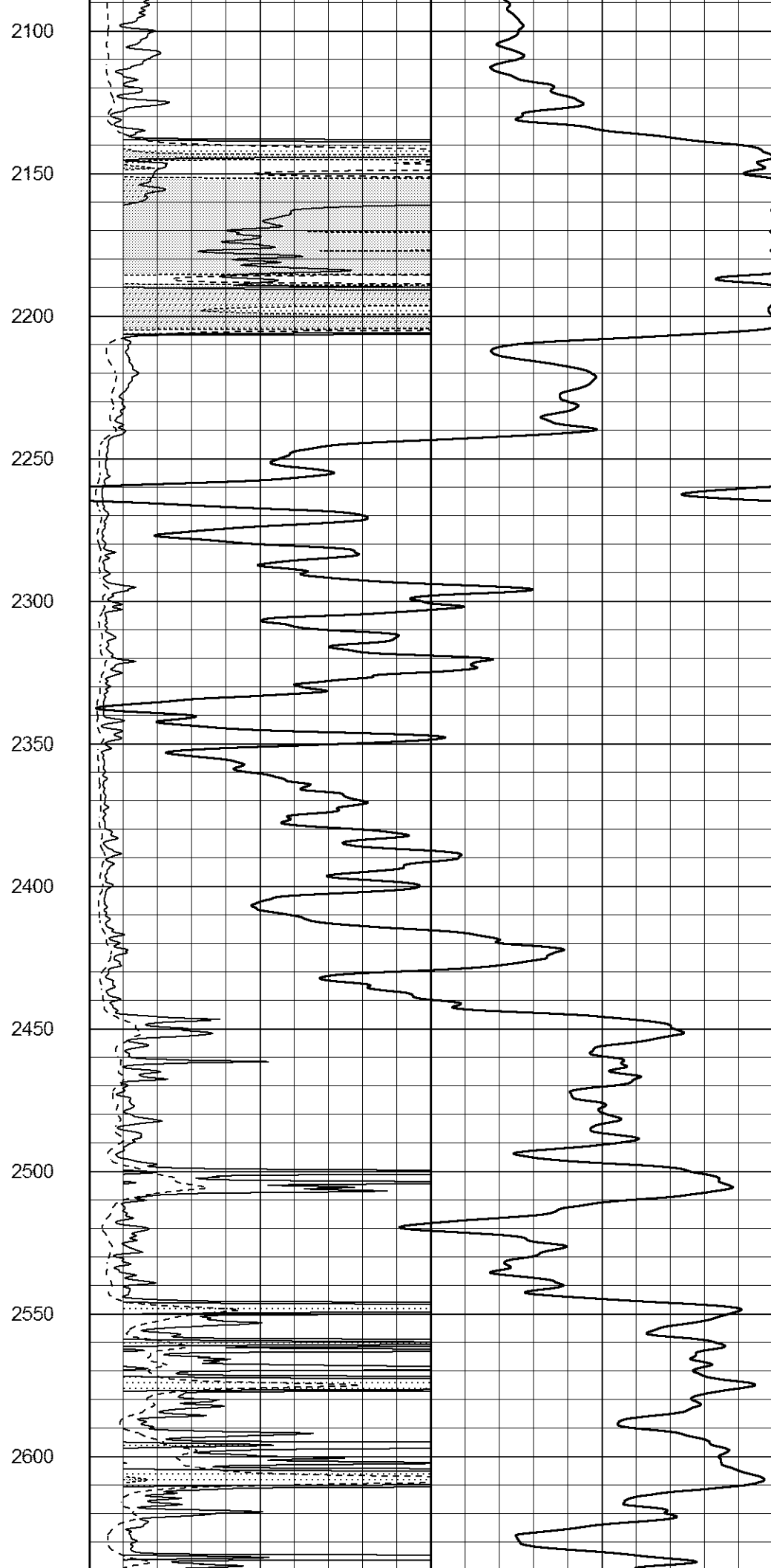
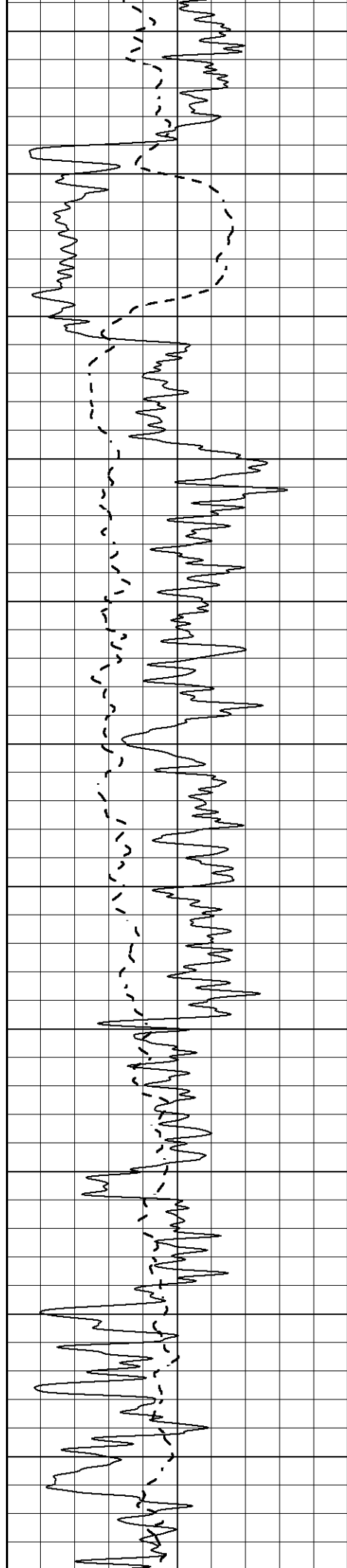
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-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

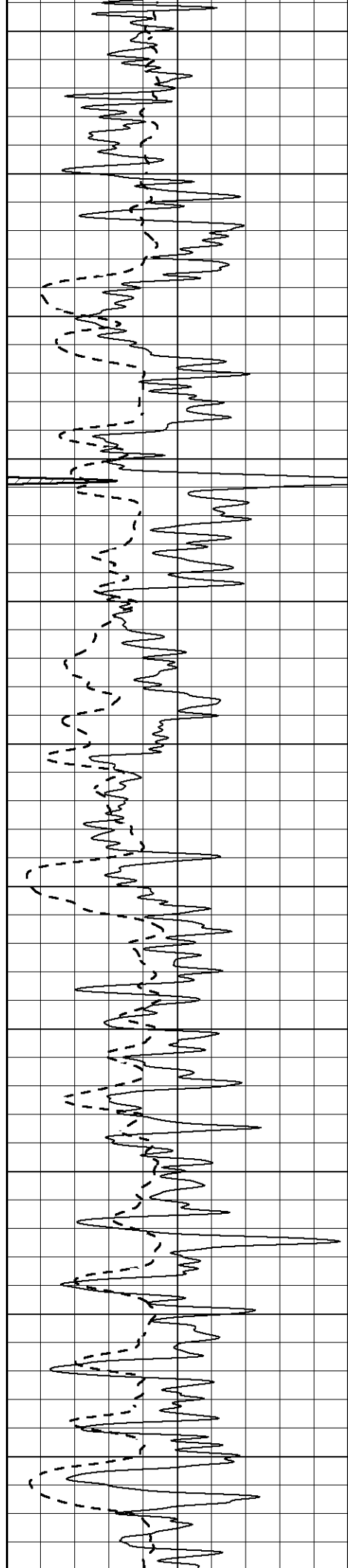












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2700

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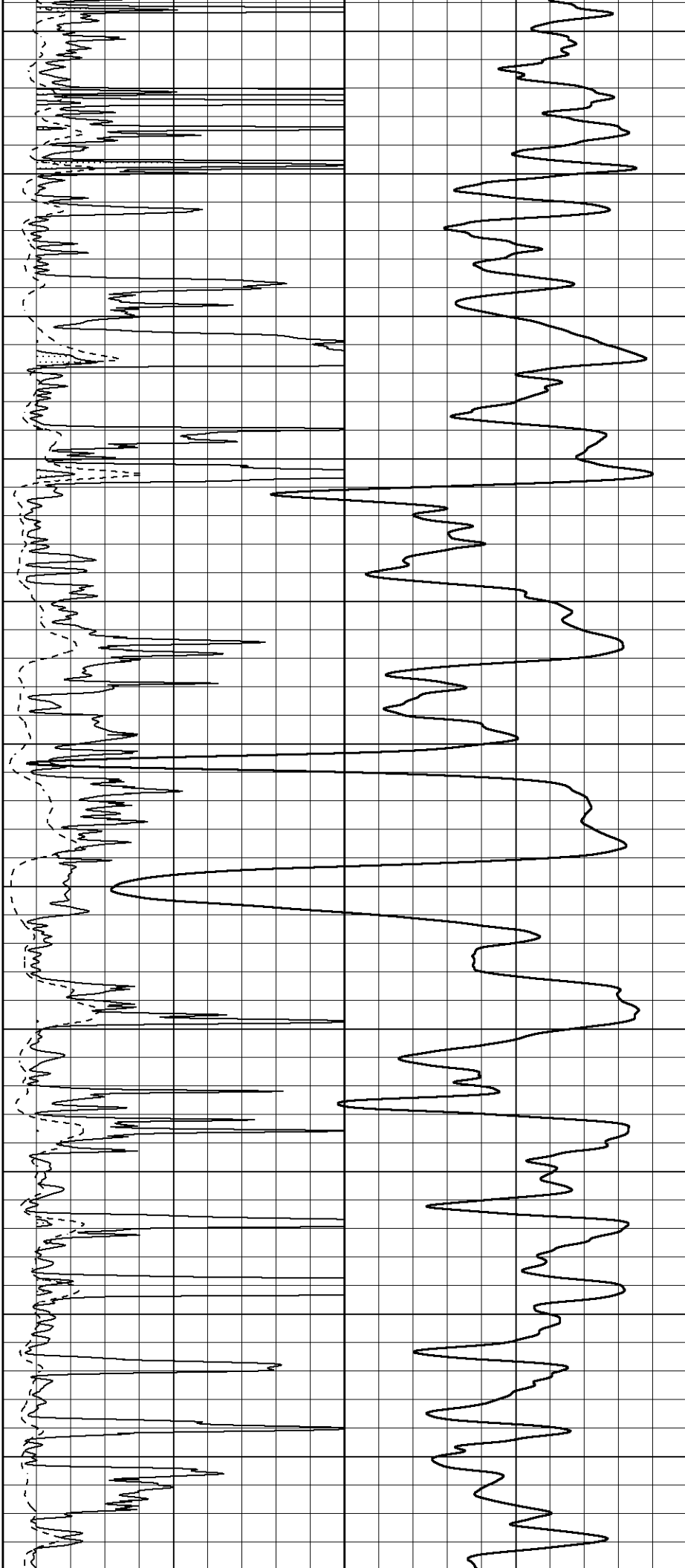
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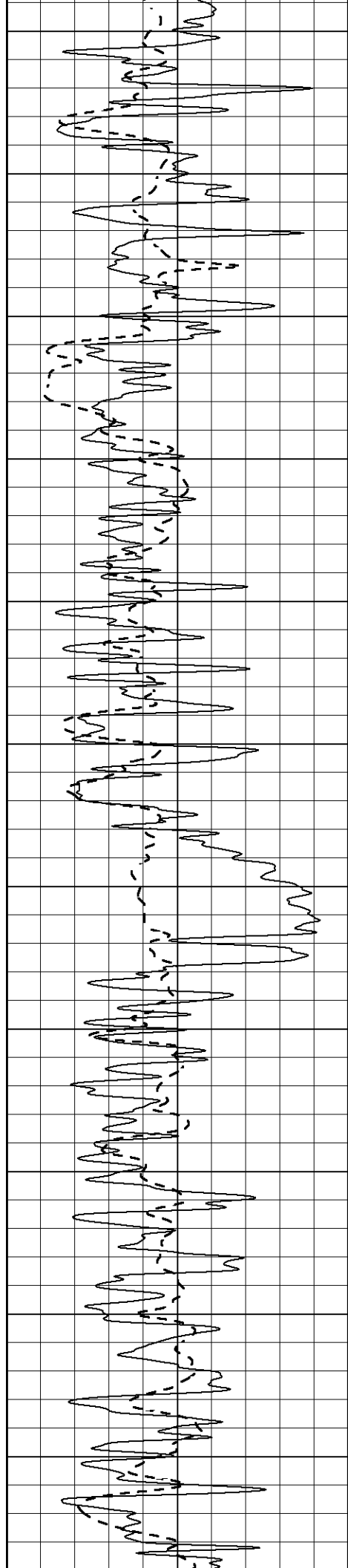
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3150





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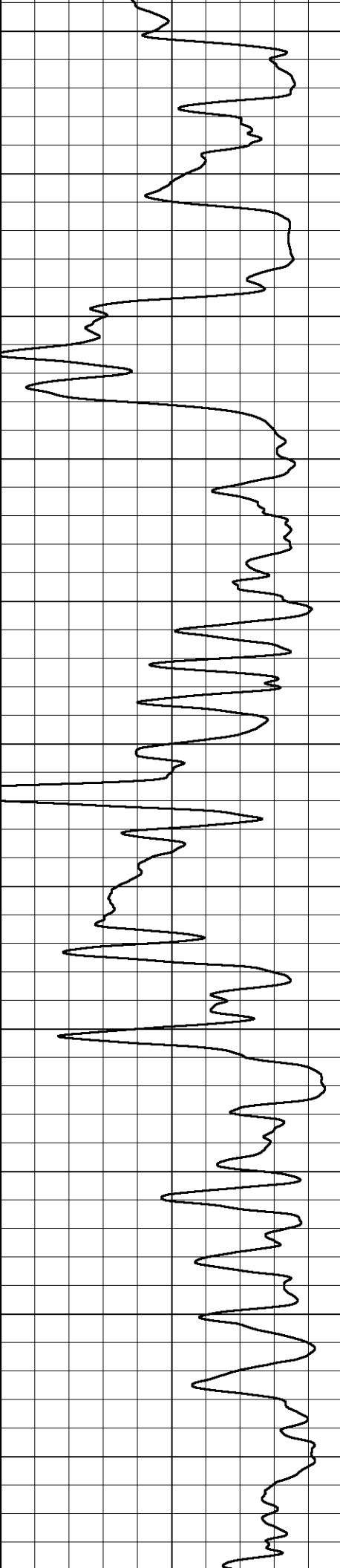
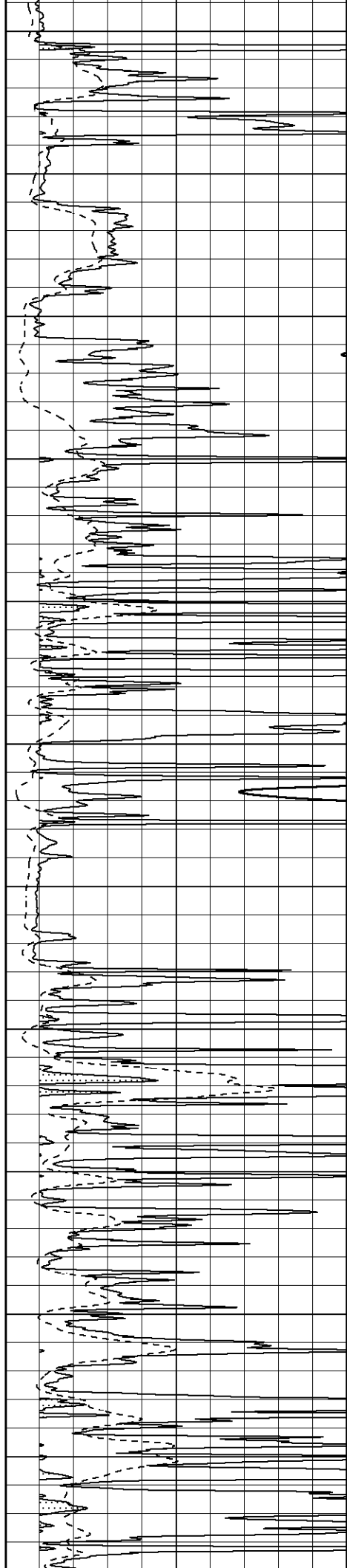
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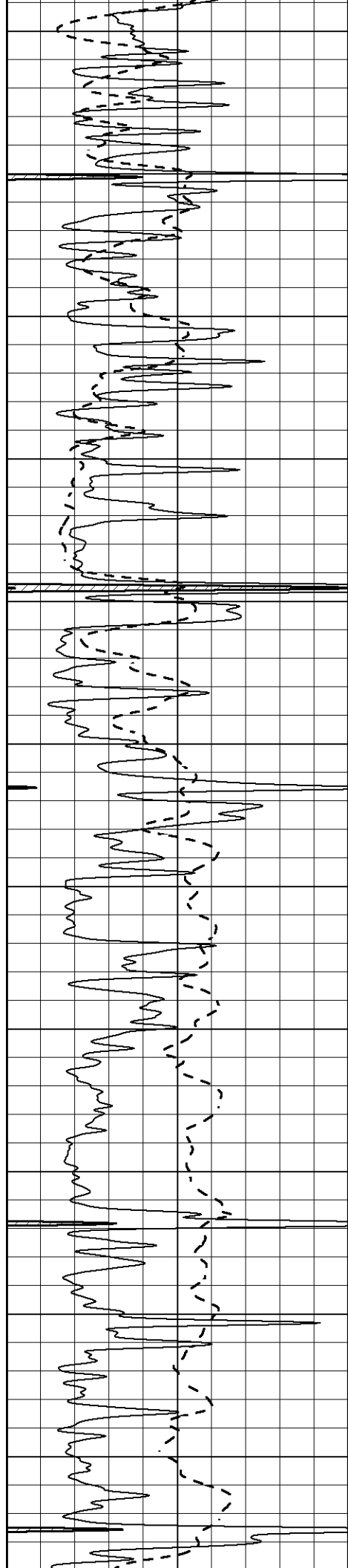
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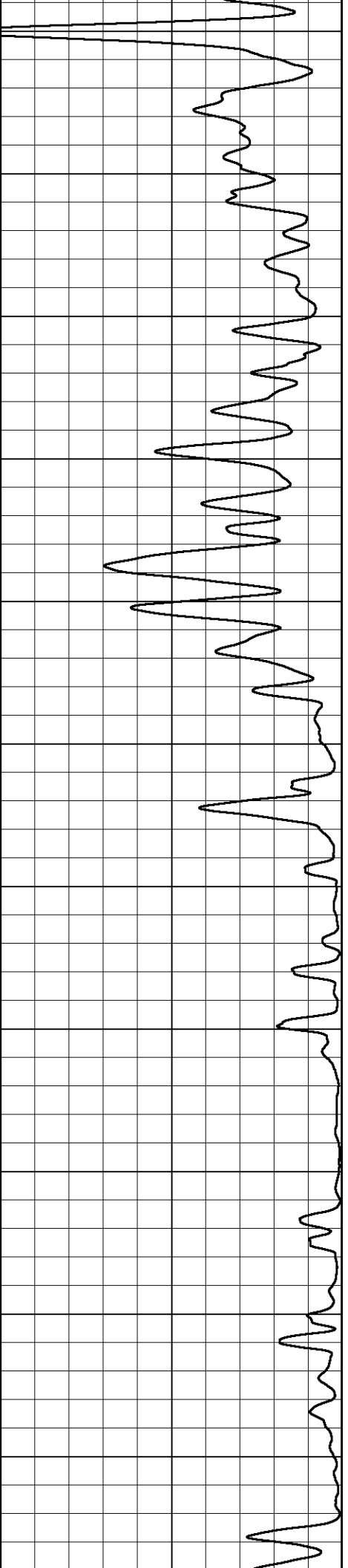
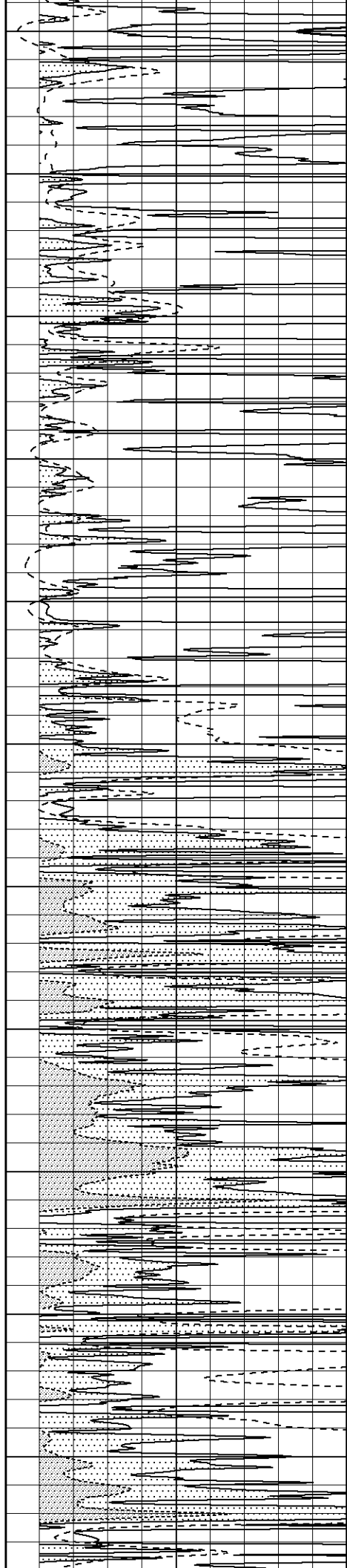
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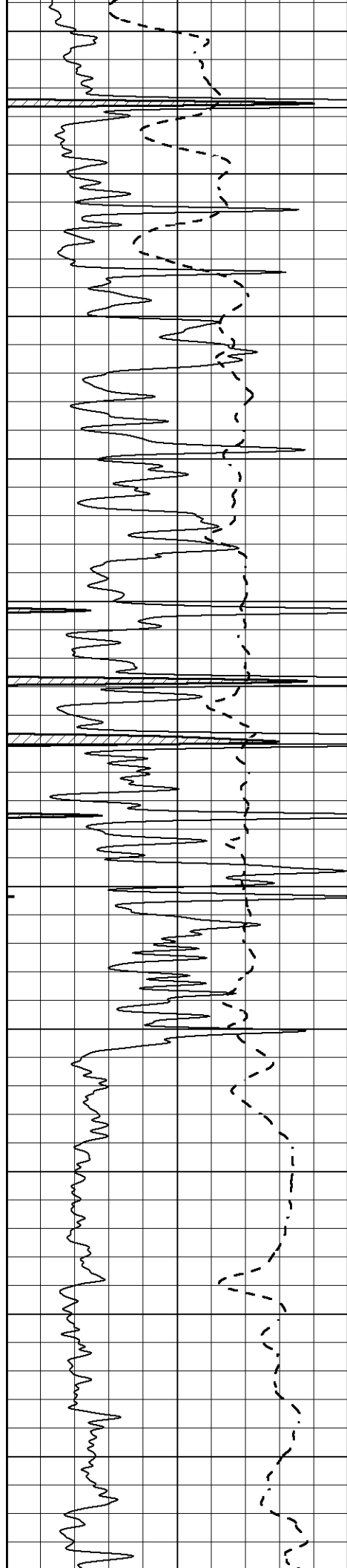
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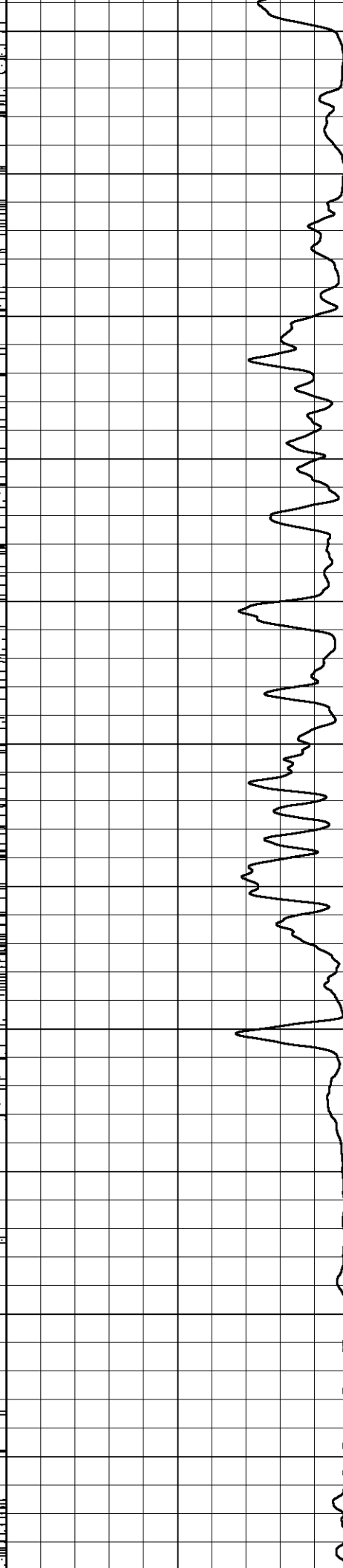
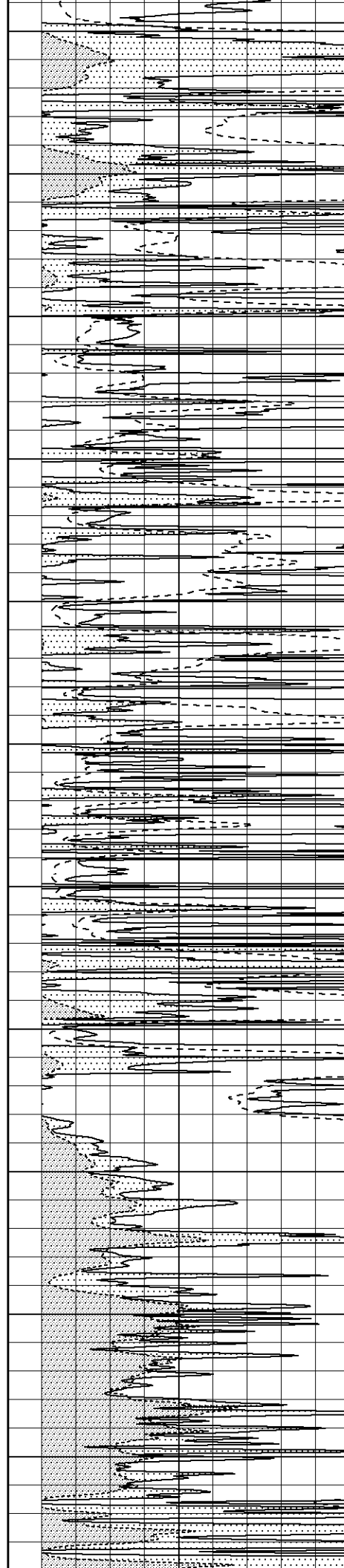
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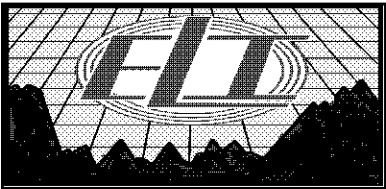
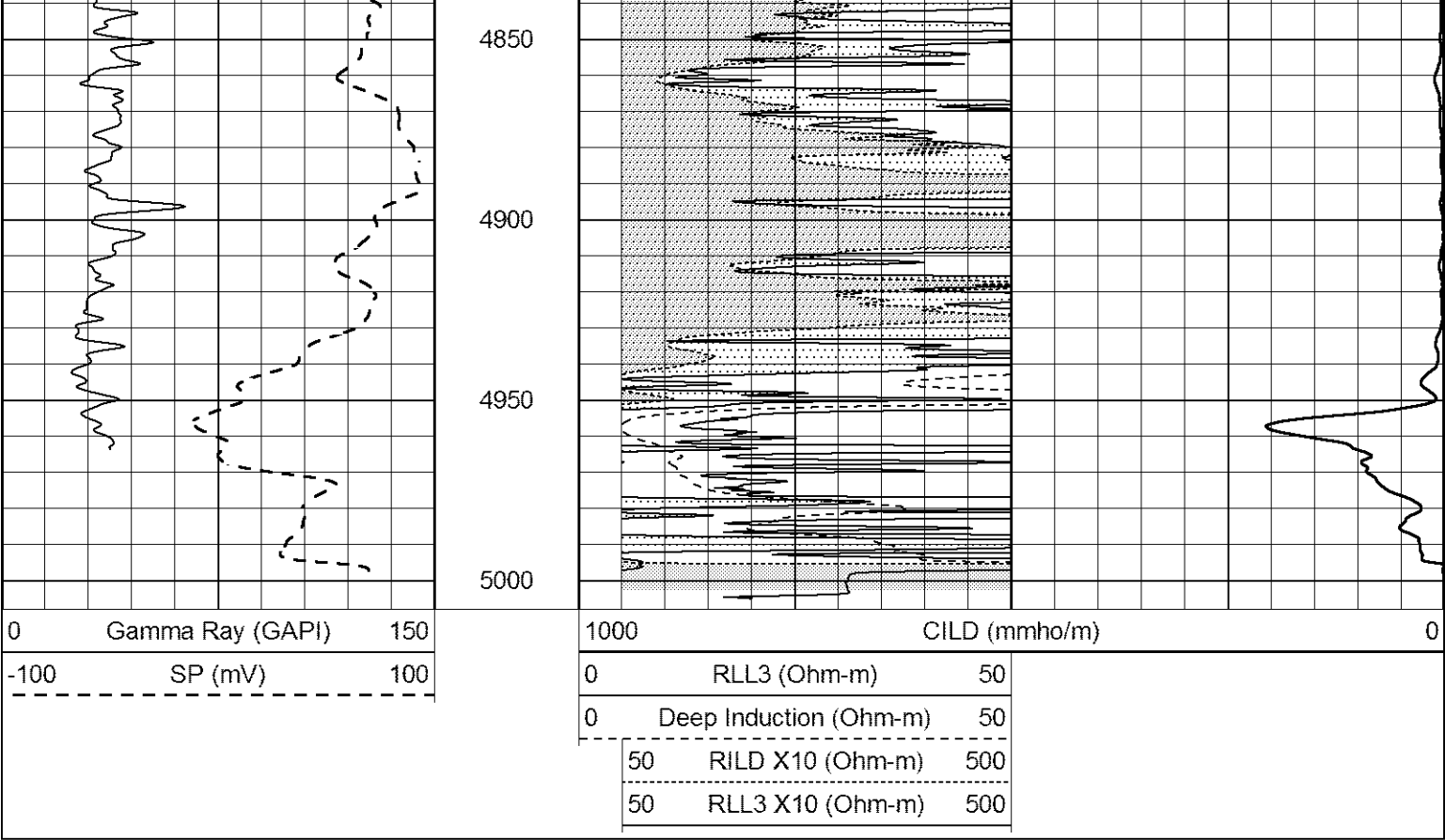
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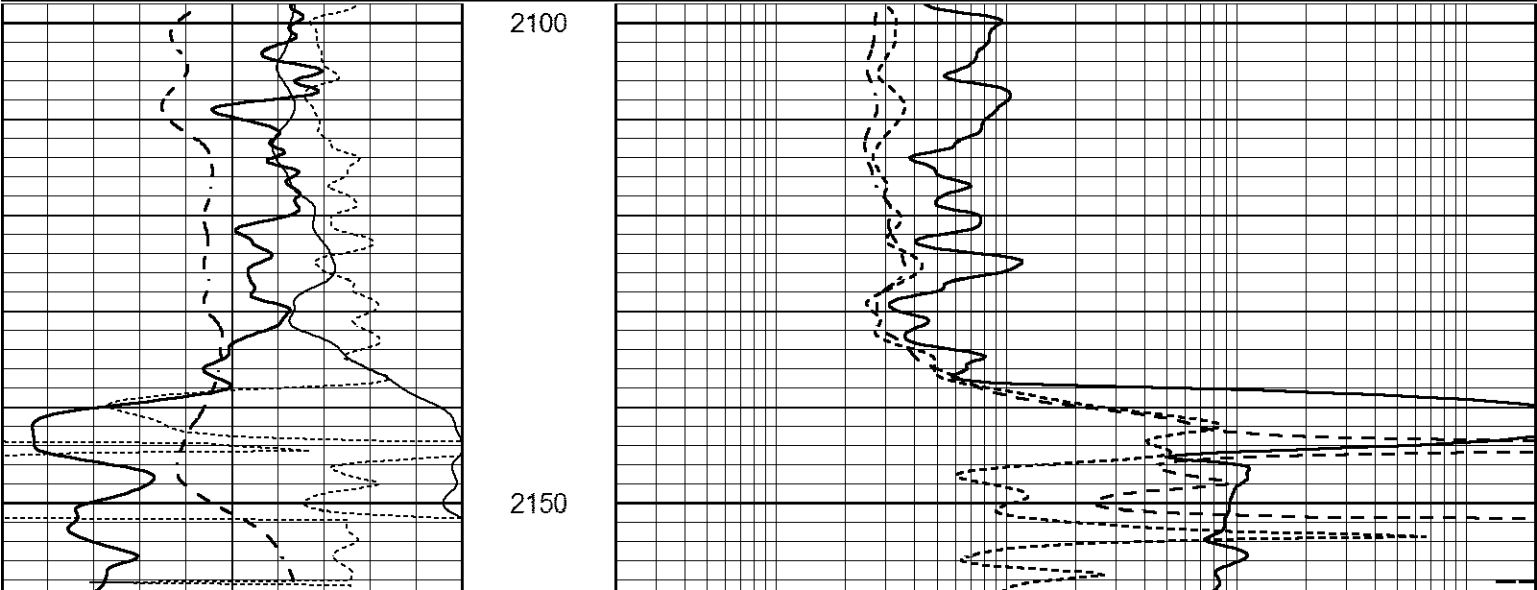


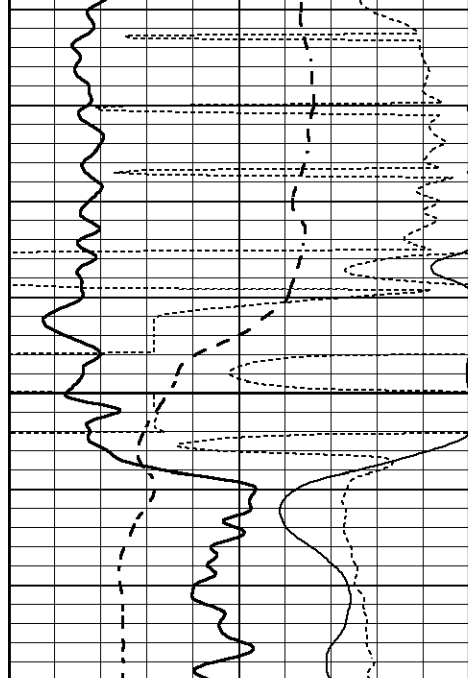


ANHYDRITE

Database File 7065pe.db
Dataset Pathname pass3A
Presentation Format _dile
Dataset Creation Thu Feb 15 01:49:34 2024
Charted by Depth in Feet scaled 1:240

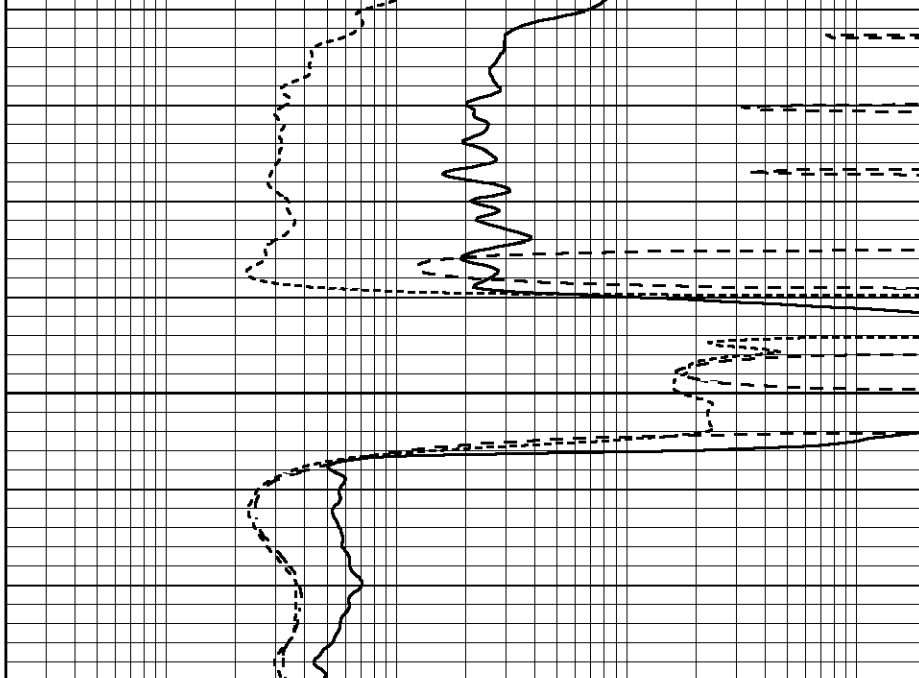
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-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000
1000	CILD (mmho/m)	0			





2200

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
1000	CILD (mmho/m)	0



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

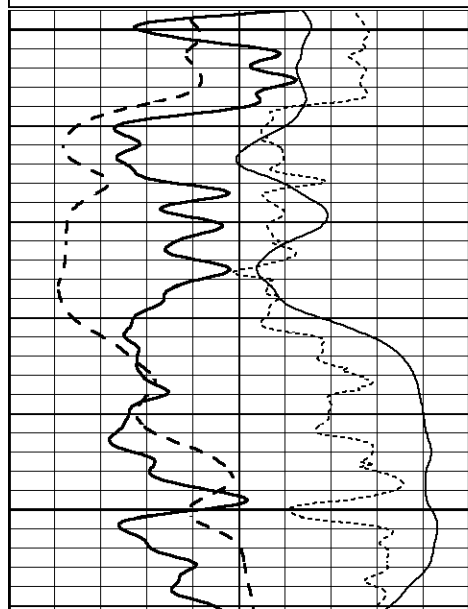


MAIN SECTION

Database File 7065pe.db
 Dataset Pathname pass3MAIN
 Presentation Format _dlc
 Dataset Creation Thu Feb 15 03:32:14 2024
 Charted by Depth in Feet scaled 1:240

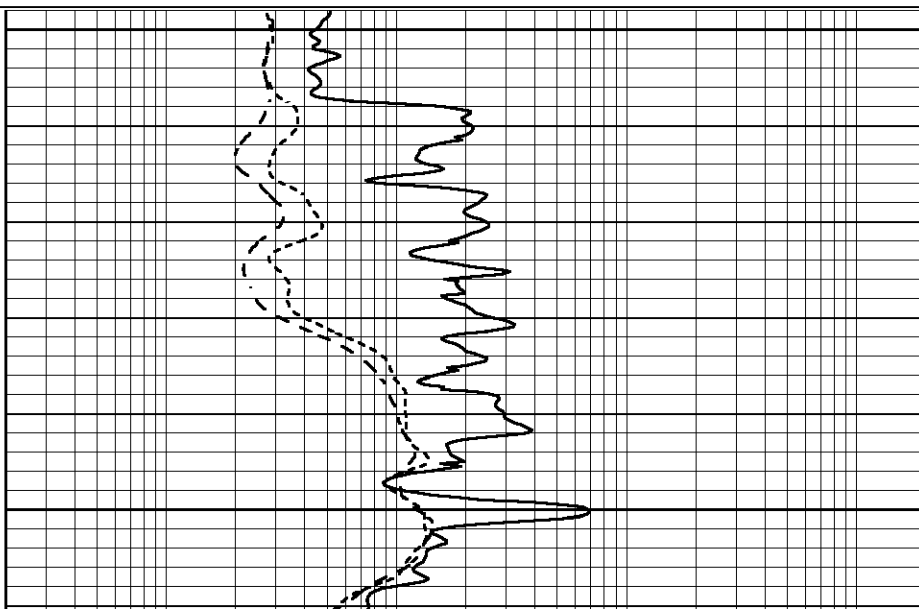
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-100	SP (mV)	100
-250	Rxo/Rt	50
1000	CILD (mmho/m)	0

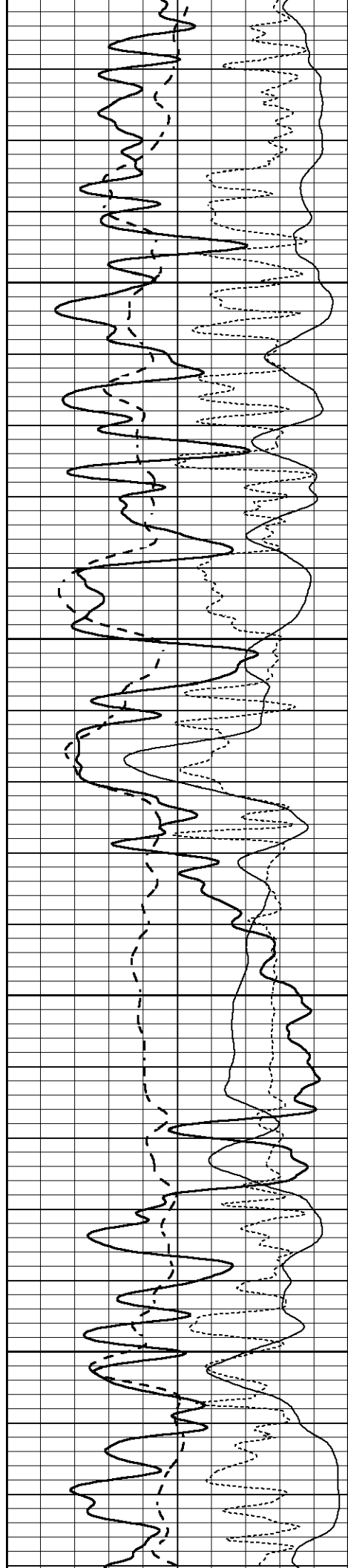
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



3300

3350



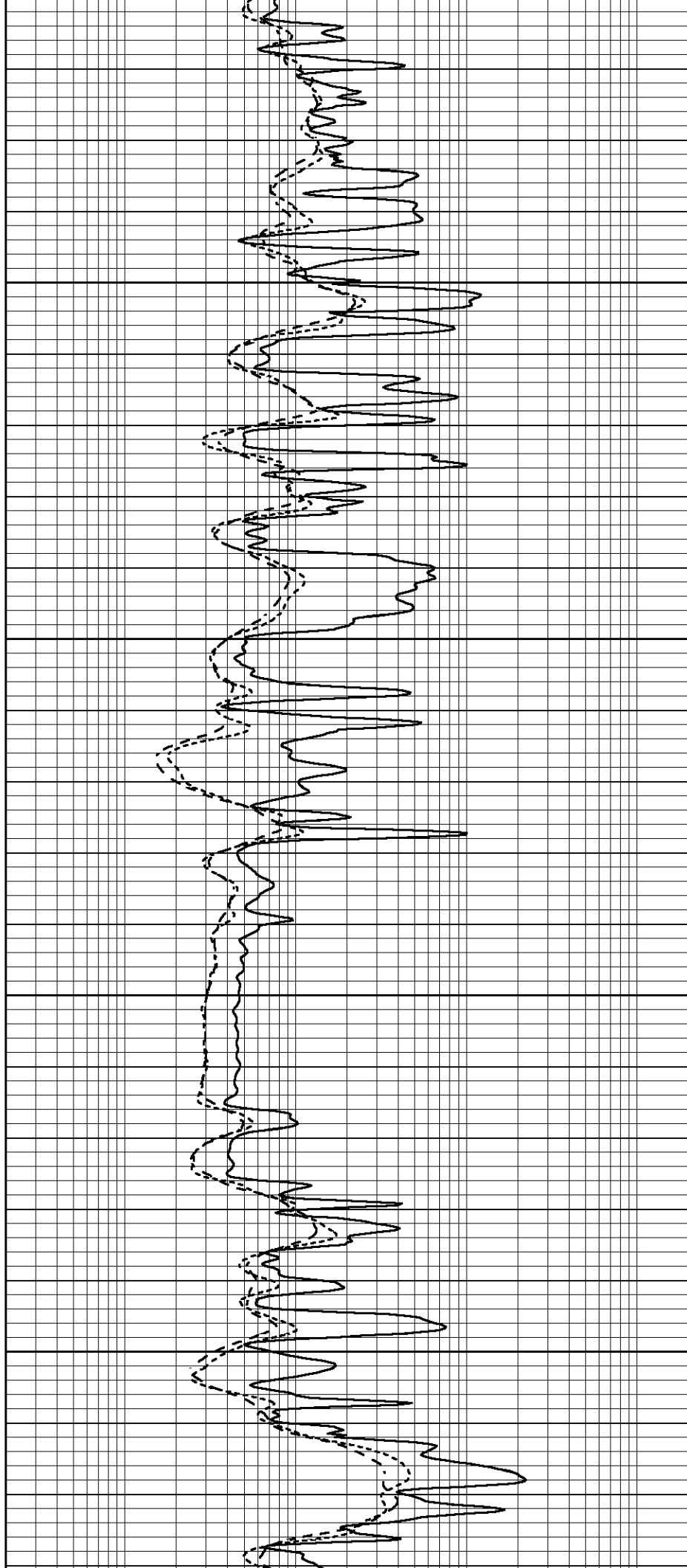


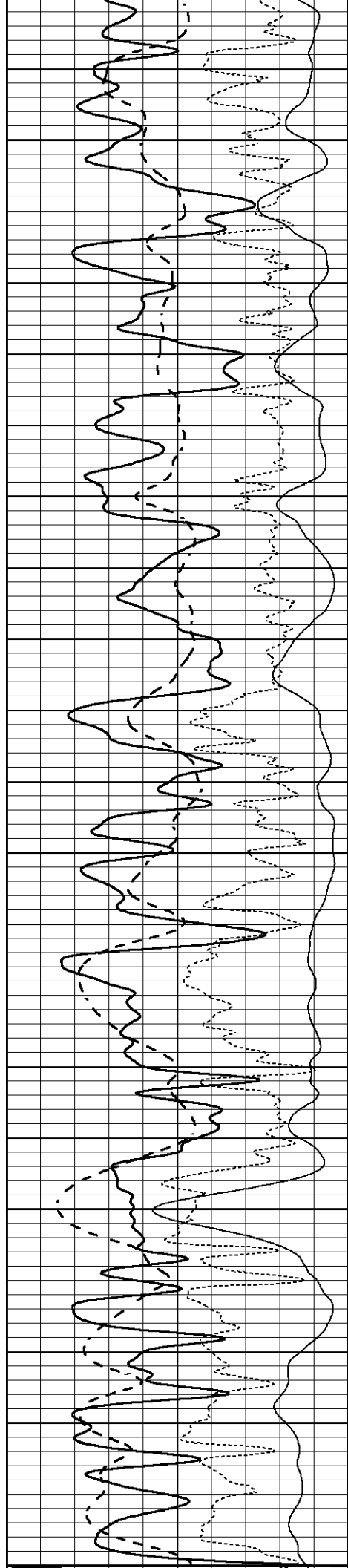
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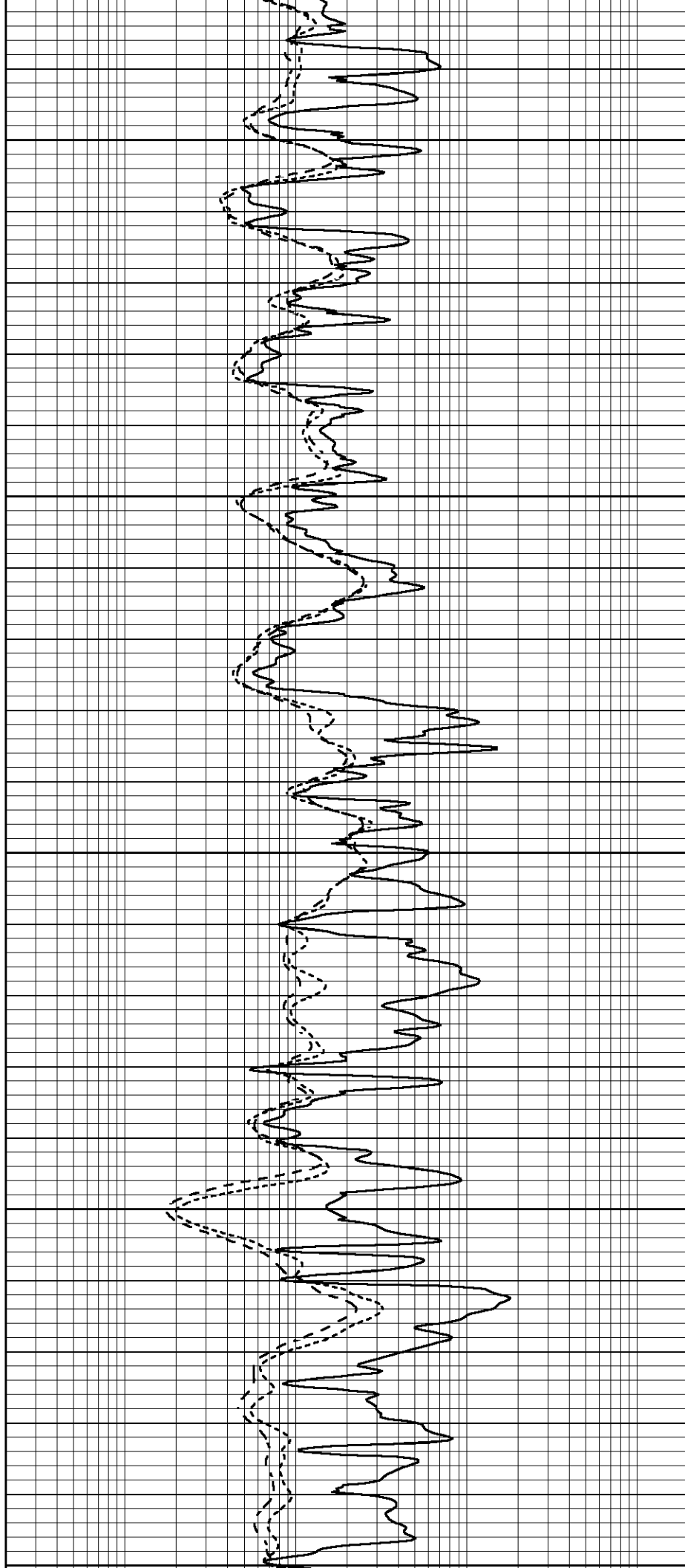
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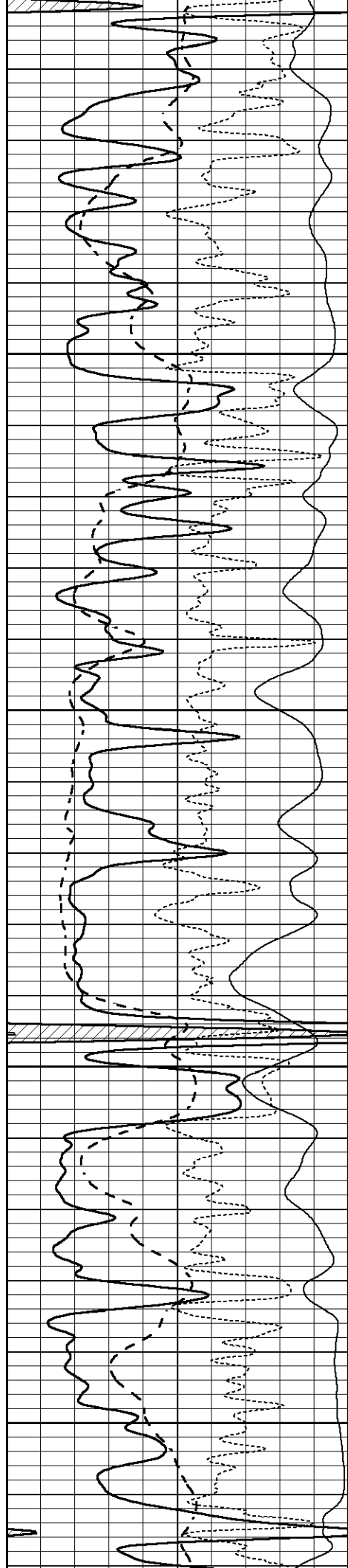
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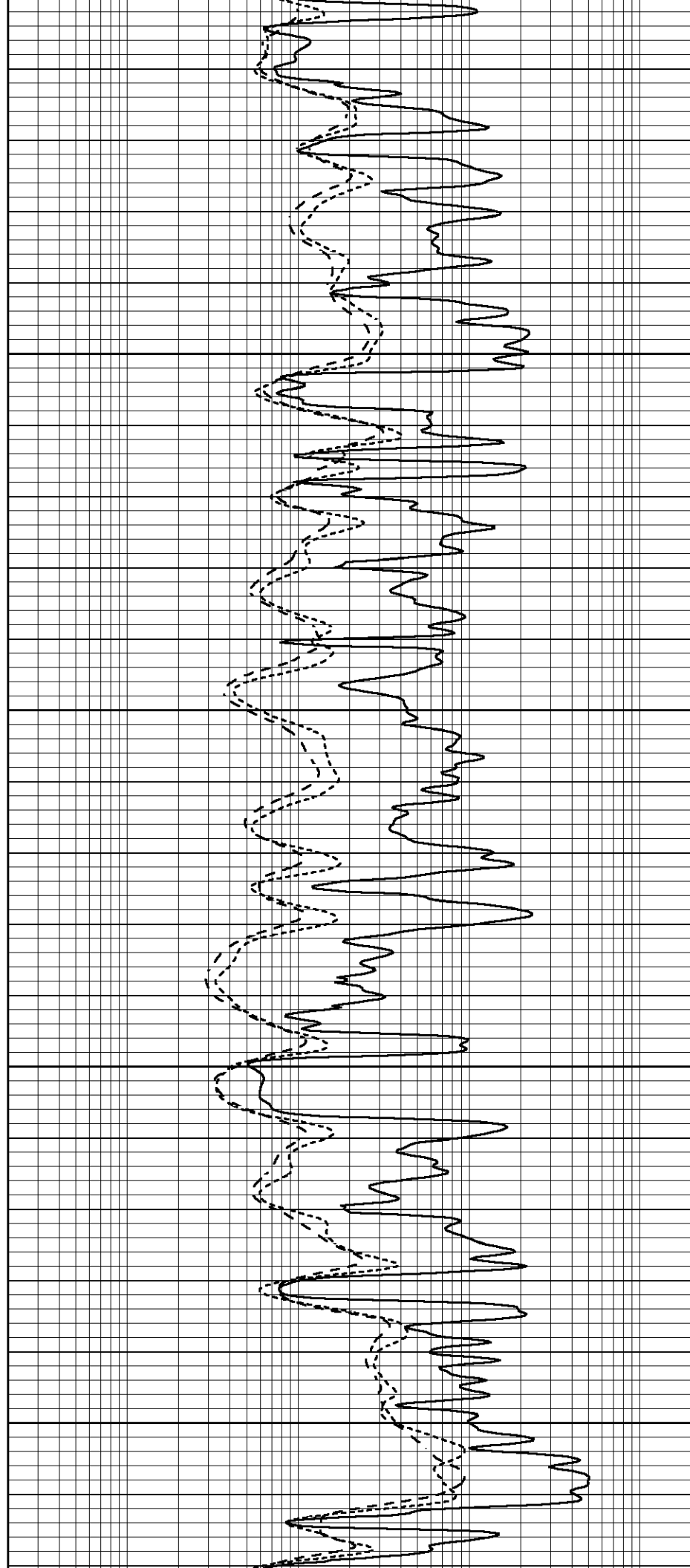
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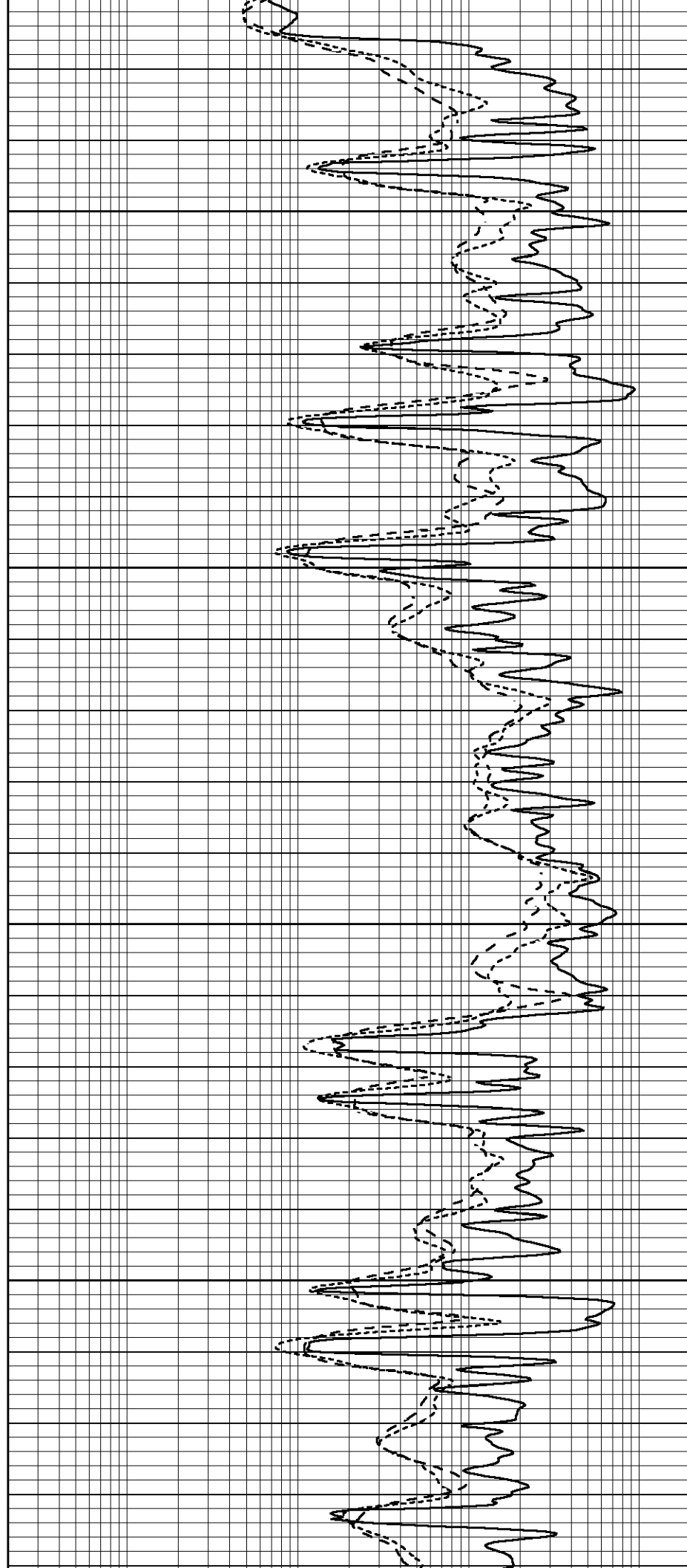


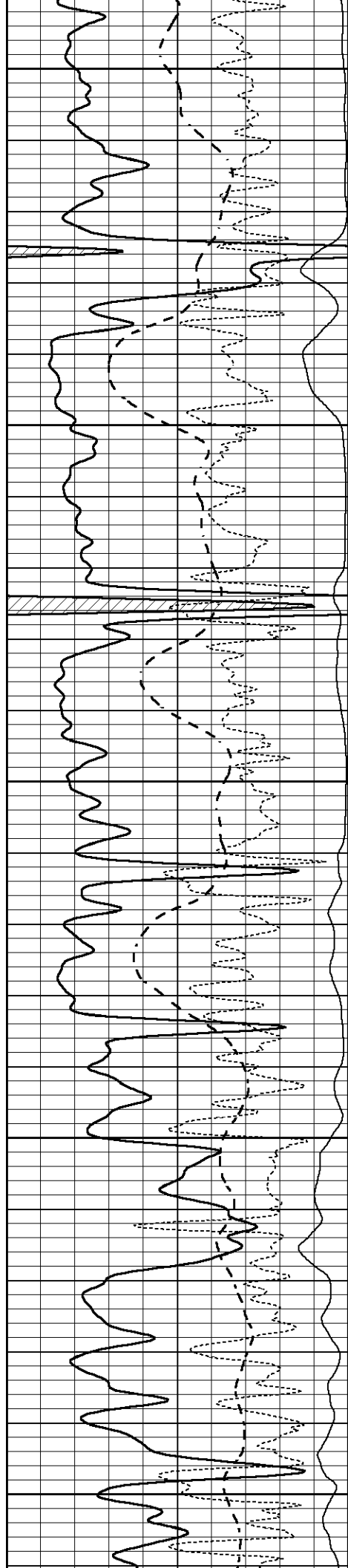
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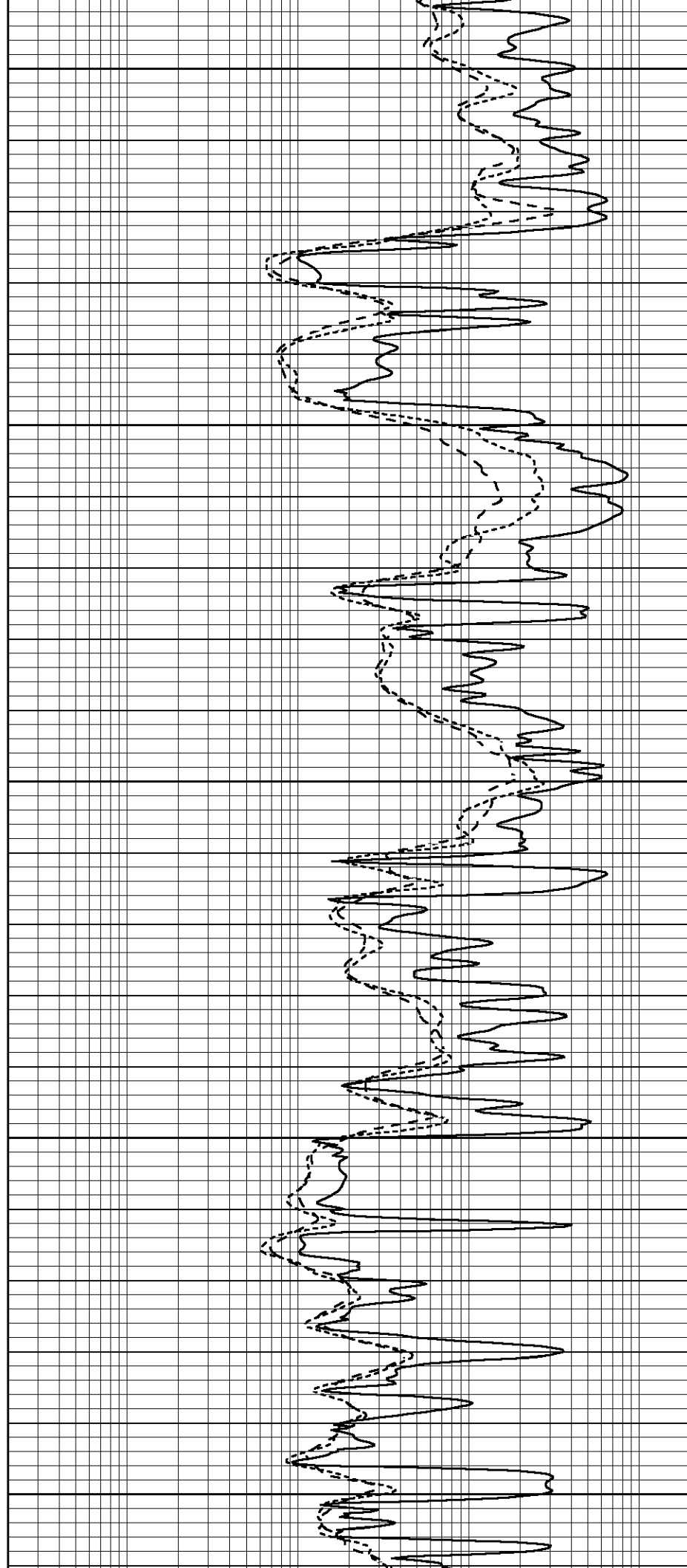
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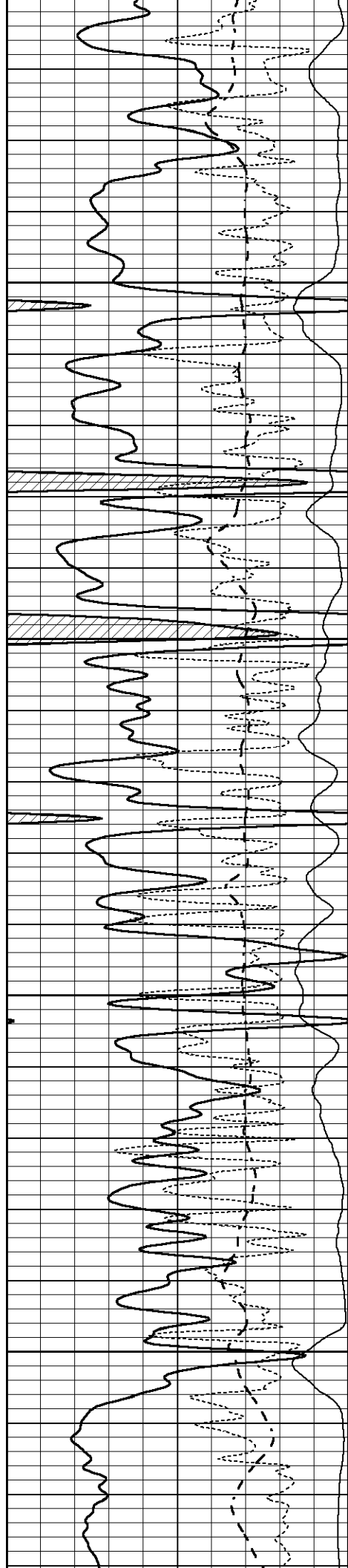
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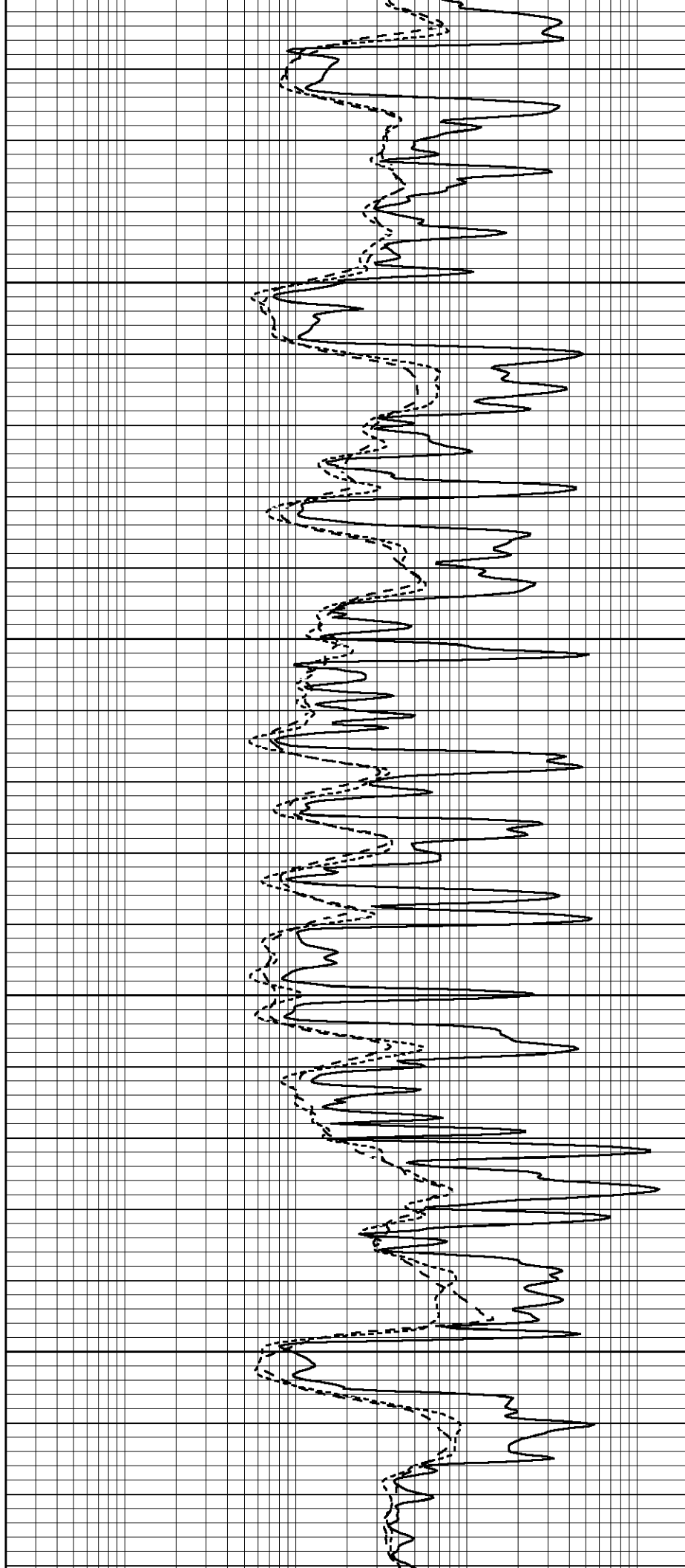


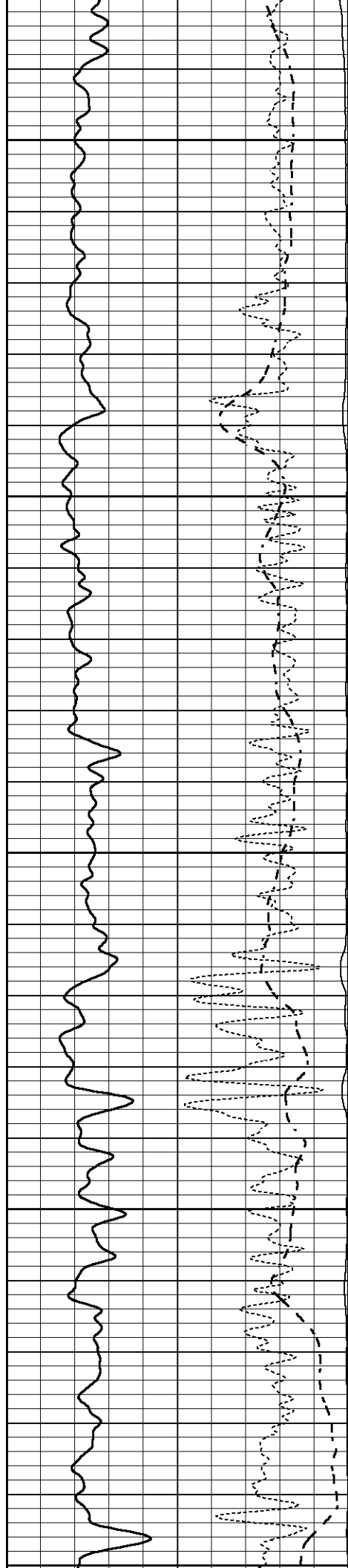
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4550

4600

4650





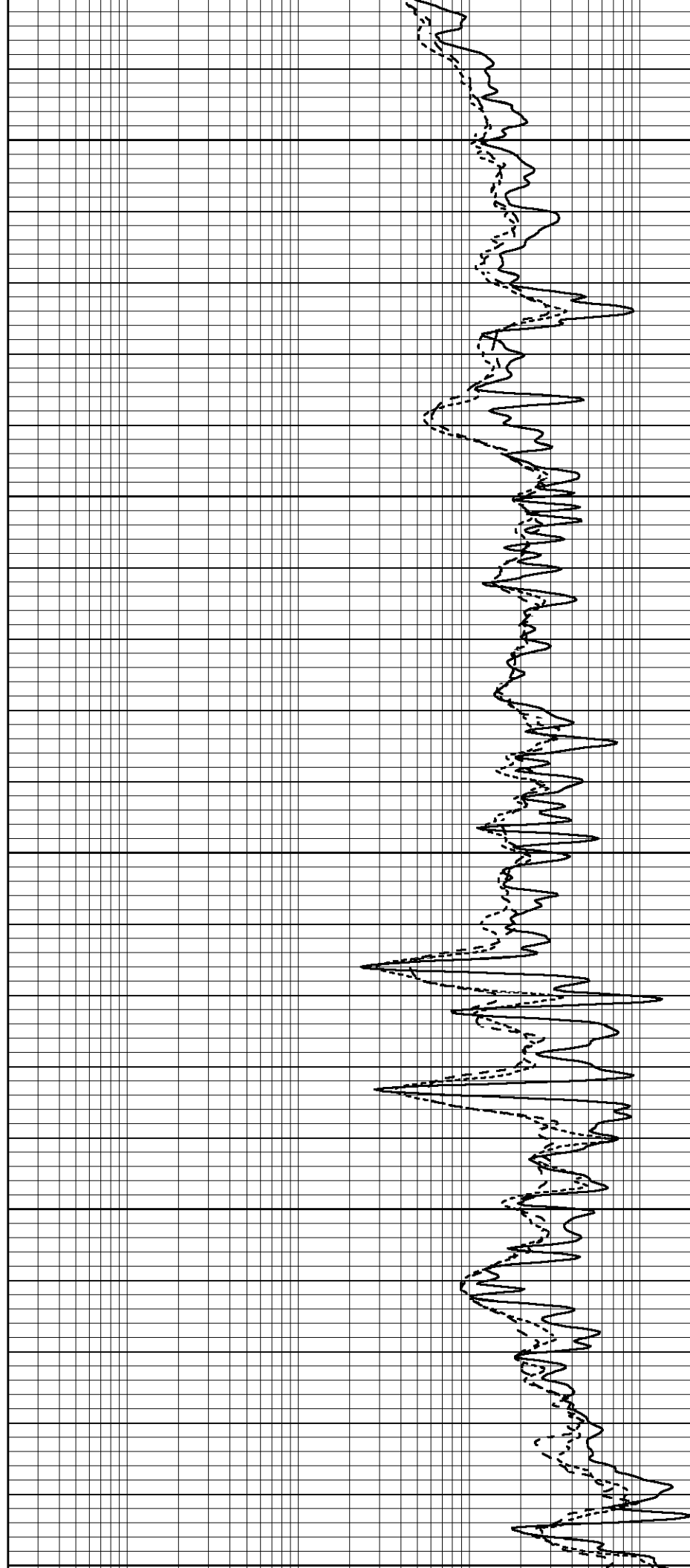
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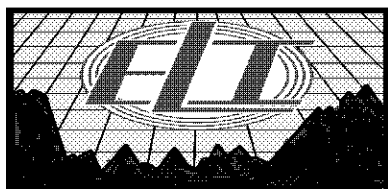
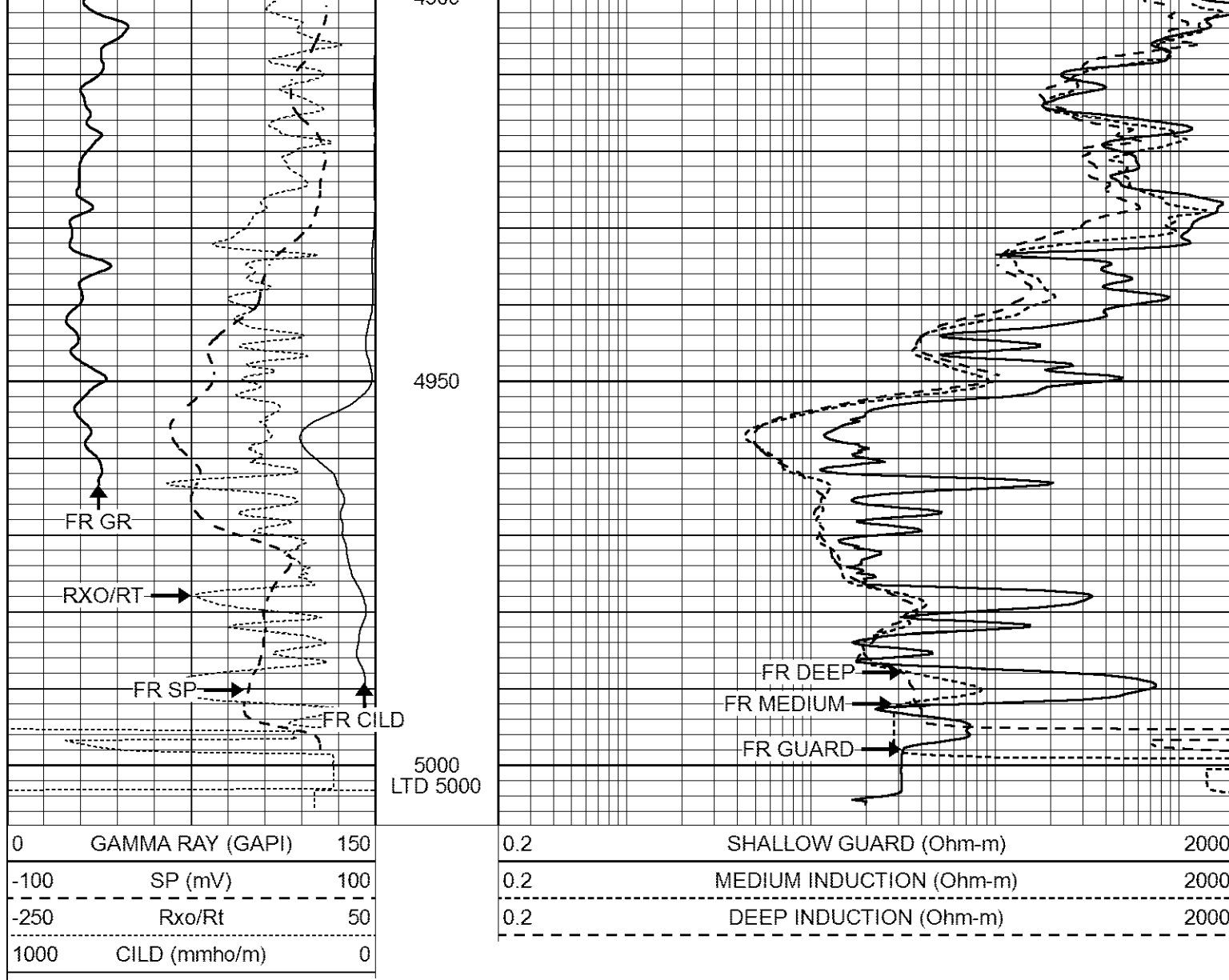
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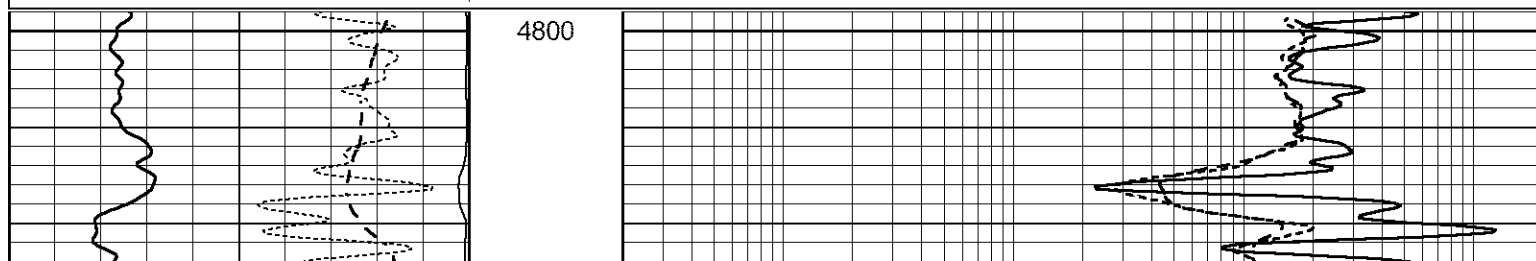
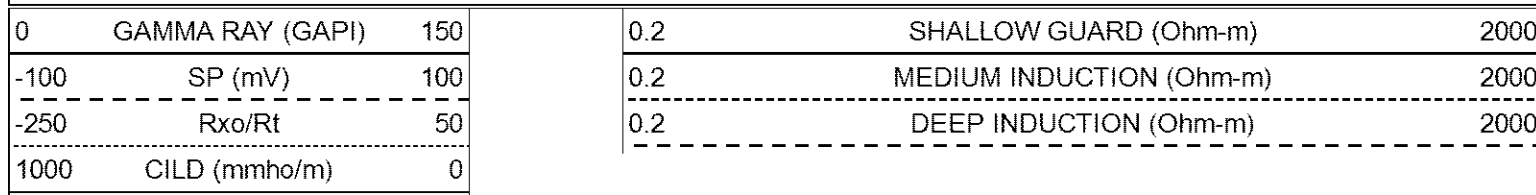
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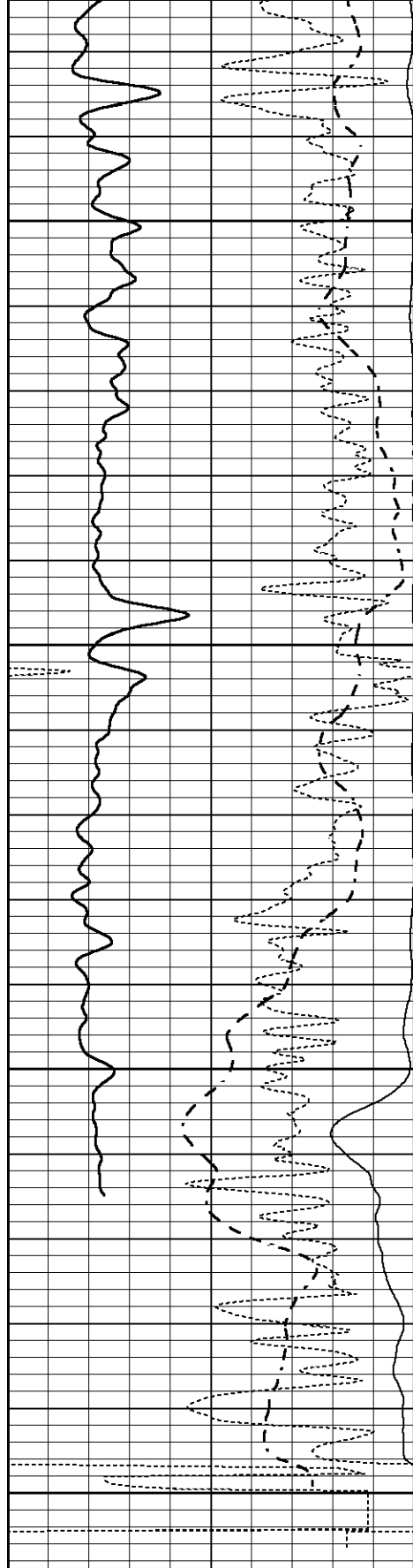




REPEAT SECTION

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Dataset Pathname pass2R
Presentation Format _d1c
Dataset Creation Thu Feb 15 03:21:42 2024
Charted by Depth in Feet scaled 1:240





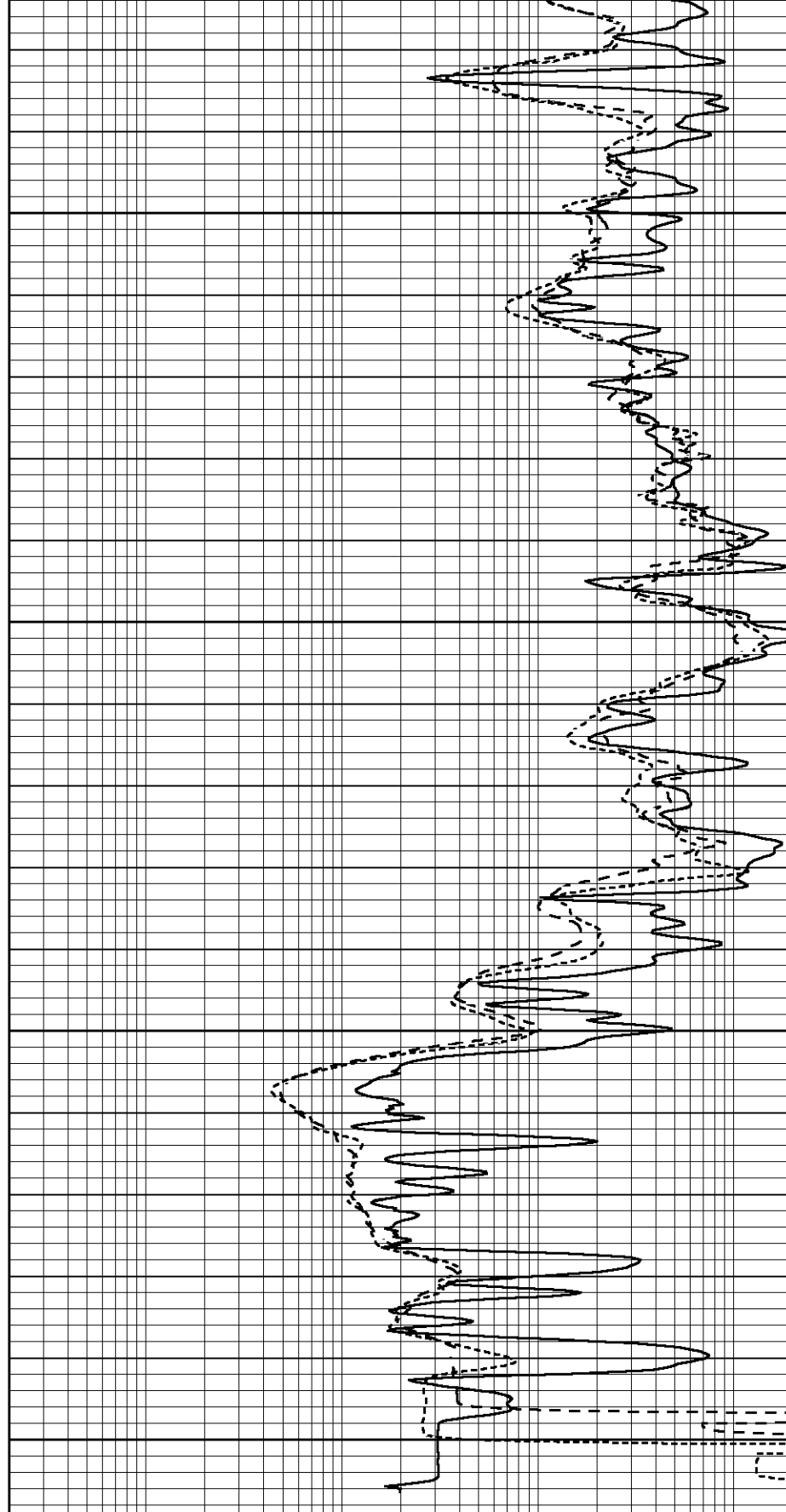
4850

4900

4950

5000

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
1000	CILD (mmho/m)	0



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

Dual Induction Calibration Report

Serial-Model:
Surface Cal Performed:
Downhole Cal Performed:
After Survey Verification Performed:

FW1410-55-Probe
Sat Jul 29 01:57:42 2023
Tue Feb 19 11:44:24 2019
Tue Feb 19 11:44:27 2019

Surface Calibration								
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	565.000	-6.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-7.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration								
Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification								
Readings				Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report
Serial: 003 Model: PRB

Master Calibration					Performed Mon May 22 11:42:14 2023			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1512.3	7465.7	2749.0	2519.6				cps
Window 2	1398.8	6705.7	2507.3	2313.8				cps
Window 3	1289.2	5259.5	2124.1	2009.6				cps
Window 4	351.1	351.6	351.8	353.2				cps
Long Space	0.0	5306.9	1108.5	915.0				cps
Short Space	3.3	2239.9	1441.2	1212.0				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 44.3	Rib Slope	: 0.975	Density/Spine Ratio			: 0.541	
Spine Angle	: 74.3	Spine Slope	: 3.551	Spine Intercept			: -18.8	

Before Survey Verification					Performed Wed Dec 31 18:00:00 1969			
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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	

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Compensated Neutron Calibration Report

Serial Number:	080621PMC
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:	46001	
Tool Model:	Probe1	
Performed:	Thu Apr 20 09:55:57 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4300	GAPI/cps