



COMPENSATED DENSITY / NEUTRON PE LOG

Company STELBAR OIL CORPORATION
Well HELL CREEK RANCH #3-18
Field BECKLEY
County SCOTT State KANSAS

Location: API #: 15-171-21274-0000

Other Services
DIL/ME
SONIC

400' FNL & 1657' FEL
SW - NE - NW - NE
SEC 18 TWP 18S RGE 31W

Elevation

Permanent Datum GROUND LEVEL Elevation 2956
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

K.B. 2961
D.F. 2959
G.L. 2956

Date 9/3/21

Run Number ONE

Depth Driller 4640

Depth Logger 4640

Bottom Logged Interval 4616

Top Log Interval 1800

Casing Driller 8 5/8" @ 302'

Casing Logger 300

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 8.9/64

pH / Fluid Loss 11.0/8.0

Source of Sample FLOWLINE

Rm @ Meas. Temp .950 @ 90F

Rmf @ Meas. Temp .713 @ 90F

Rmc @ Meas. Temp 1.14 @ 90F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .700 @ 122F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 3.45 A.M.

Maximum Recorded Temperature 122F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By DAVE GOLDAK

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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.

15-171-21274-0000

Comments

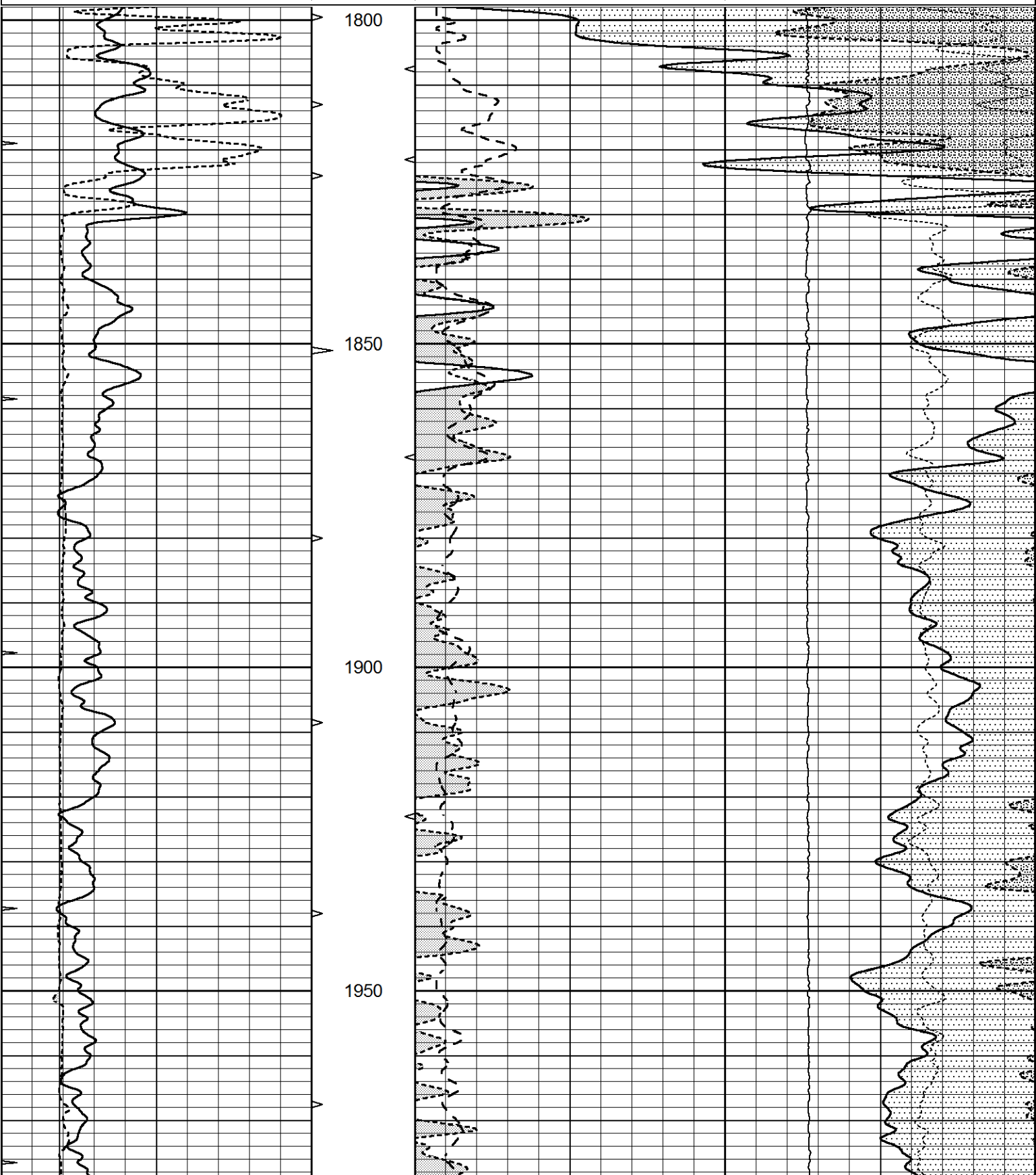
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
DIGHTON, KS., (4 WAY STOP) 16W. ON HWY 96 TO "TAOS RD.", 1N., 1.3W., S. INTO

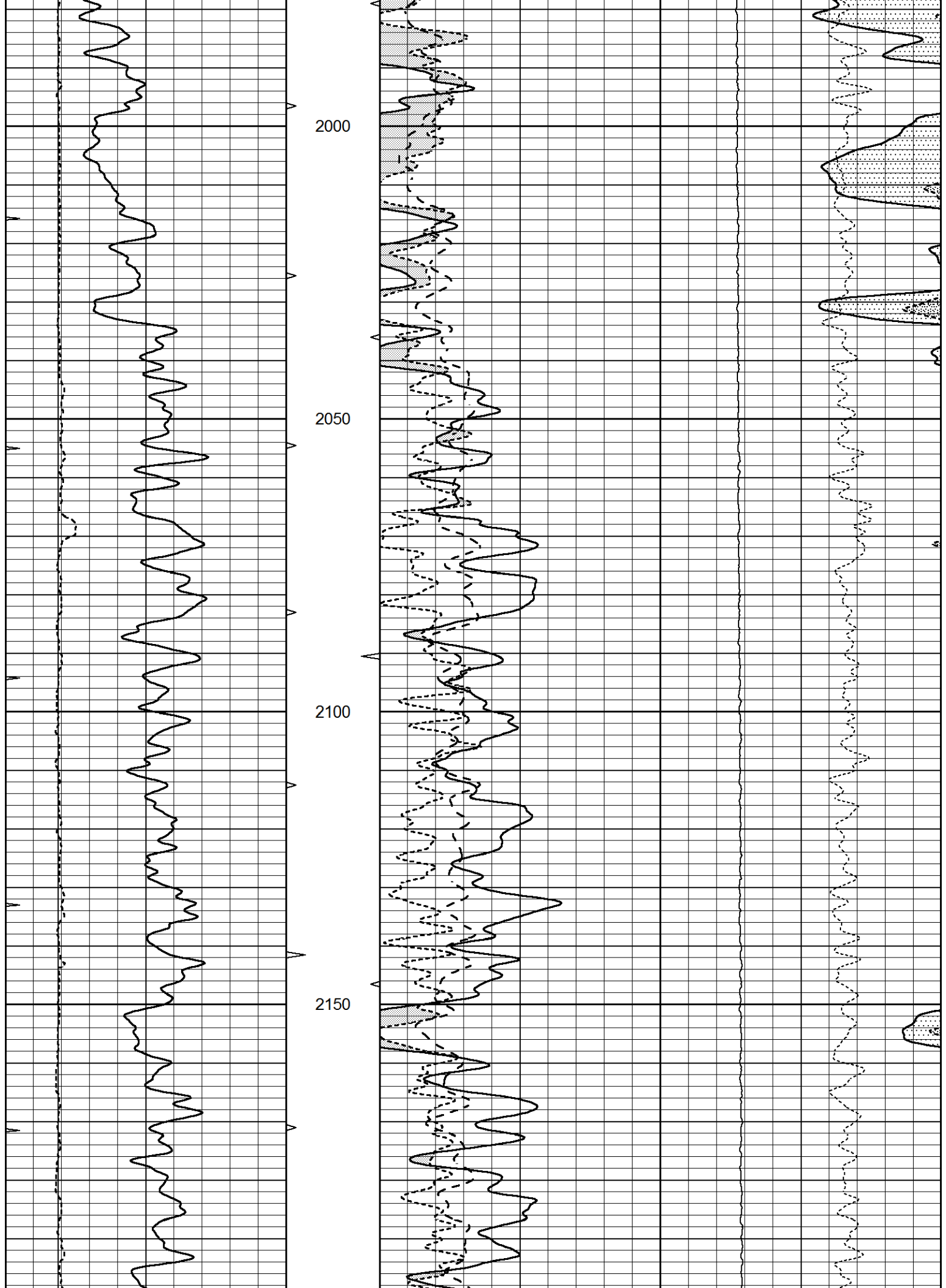


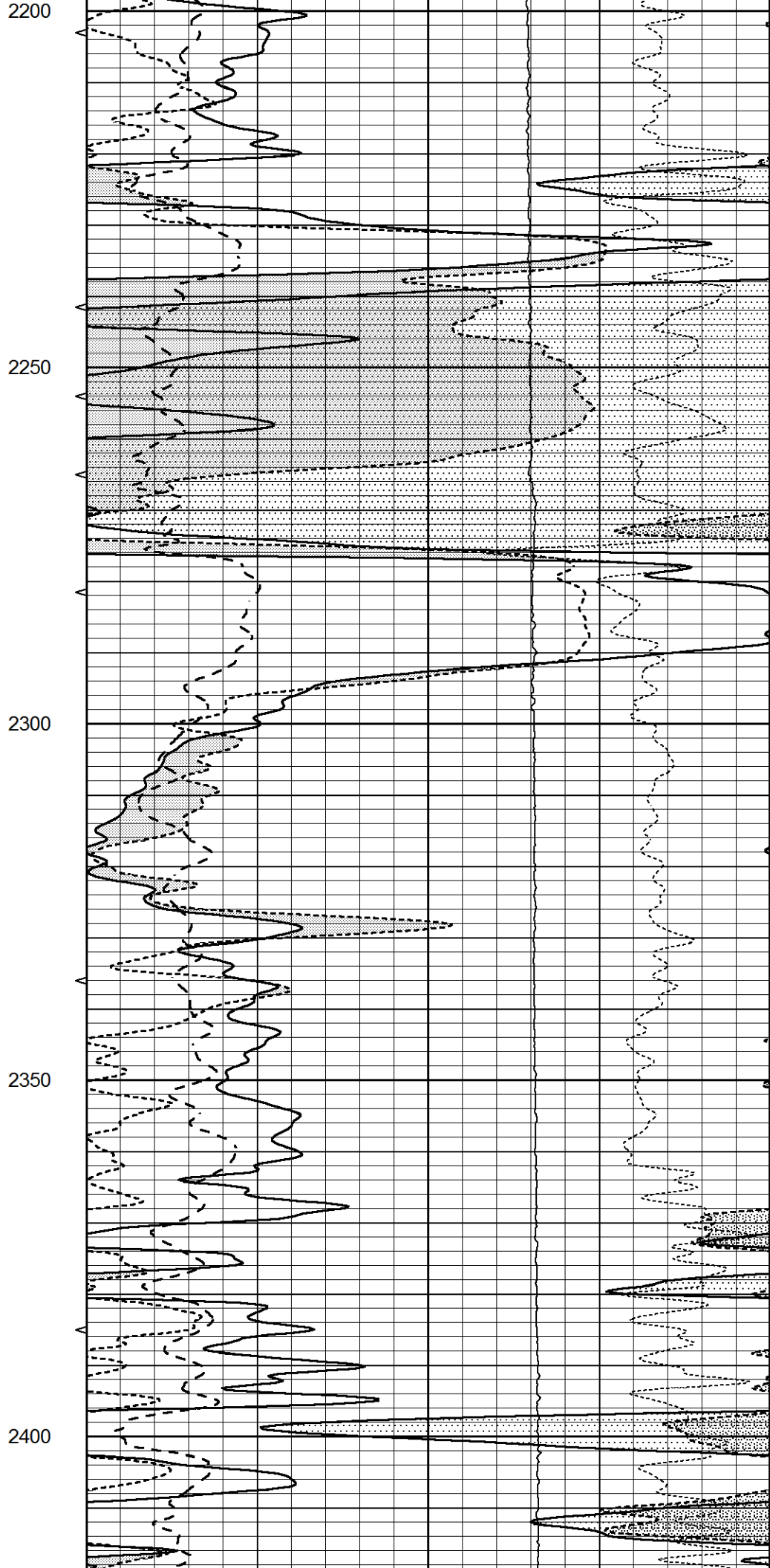
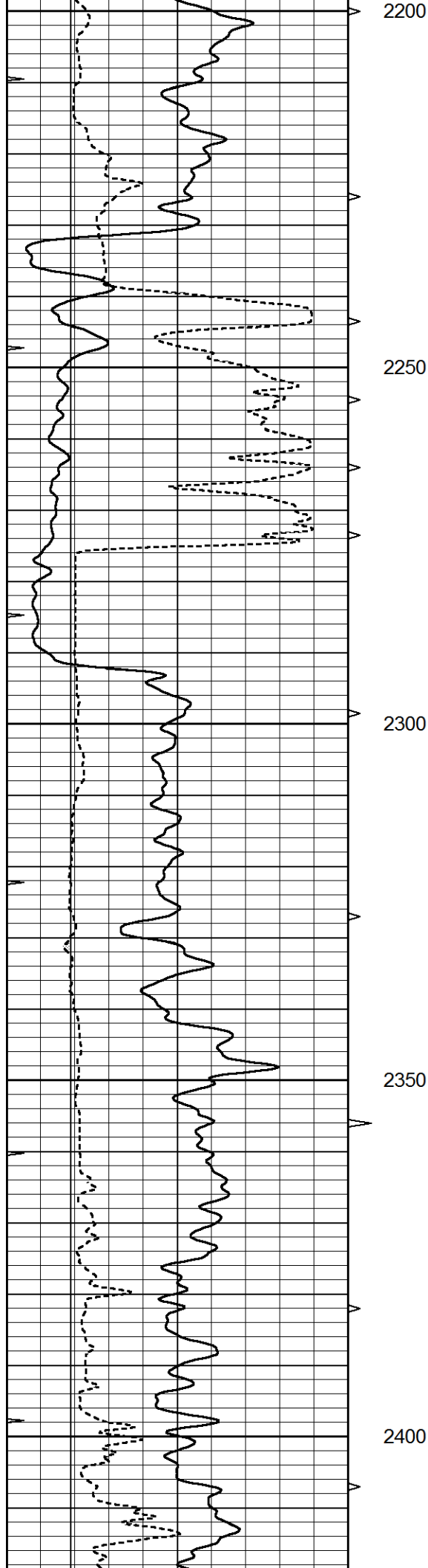
MAIN SECTION

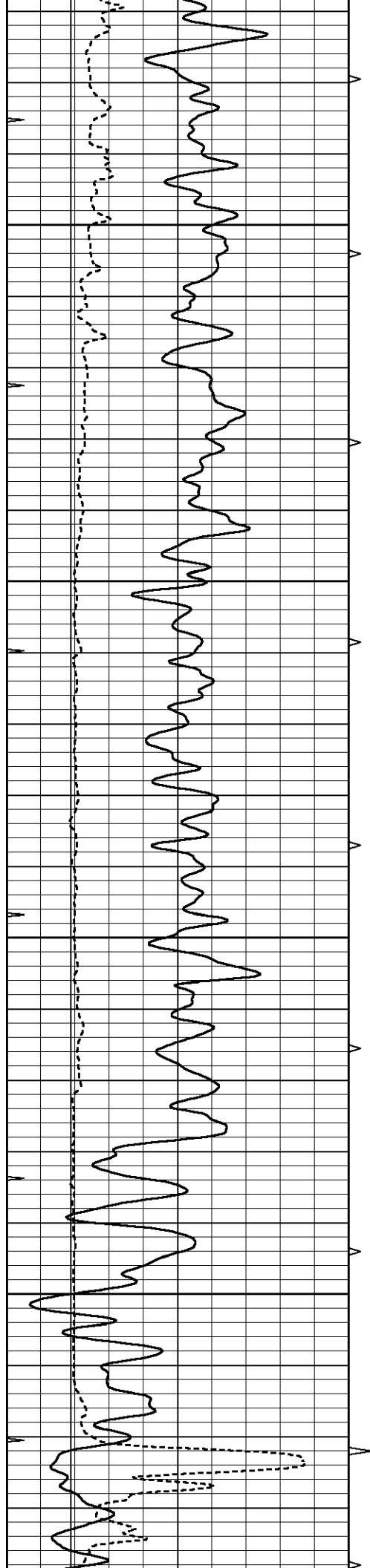
Database File	5654pe.db
Dataset Pathname	pass3.1M
Presentation Format	ldt_neu
Dataset Creation	Fri Sep 03 05:58:01 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)				-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)				-10
0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10			0	LTEN (lb)	5000	







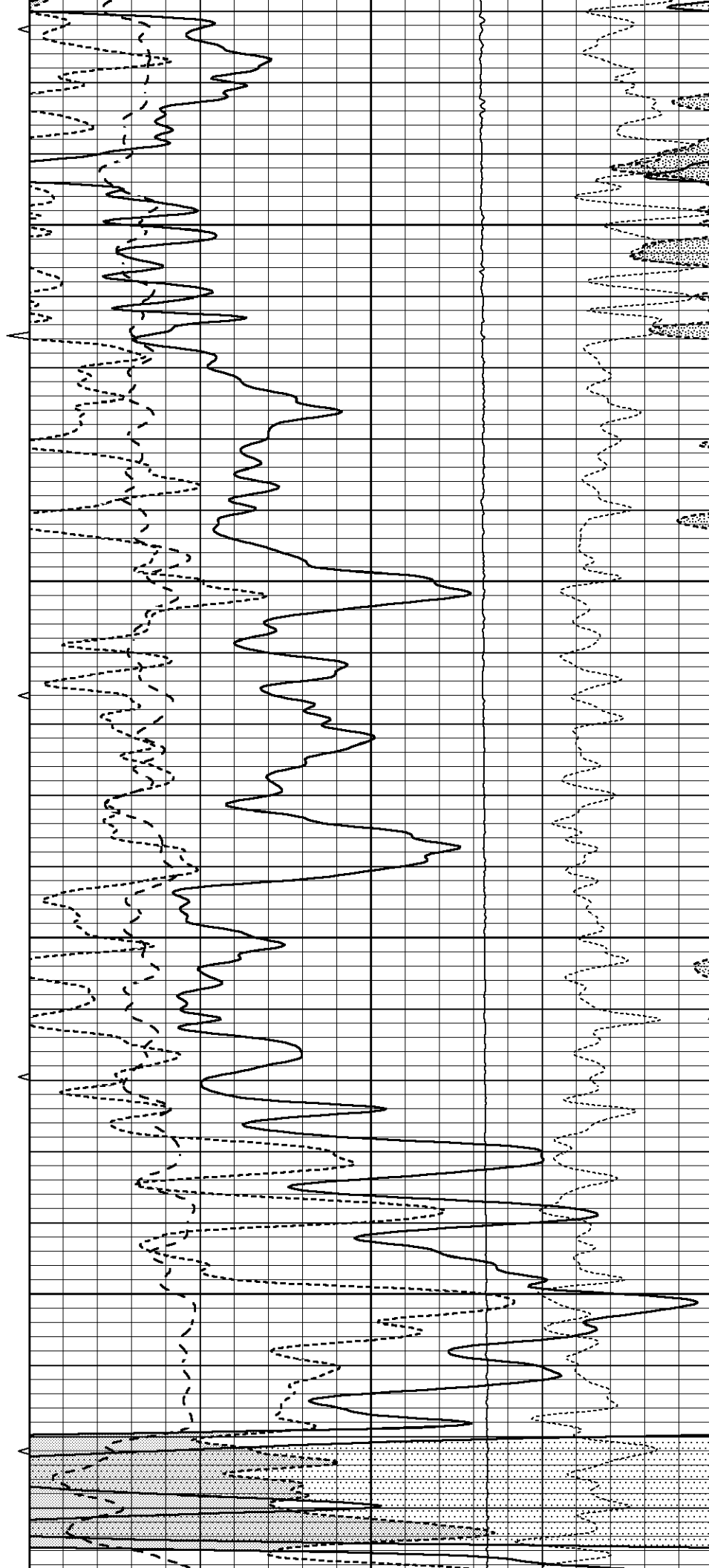


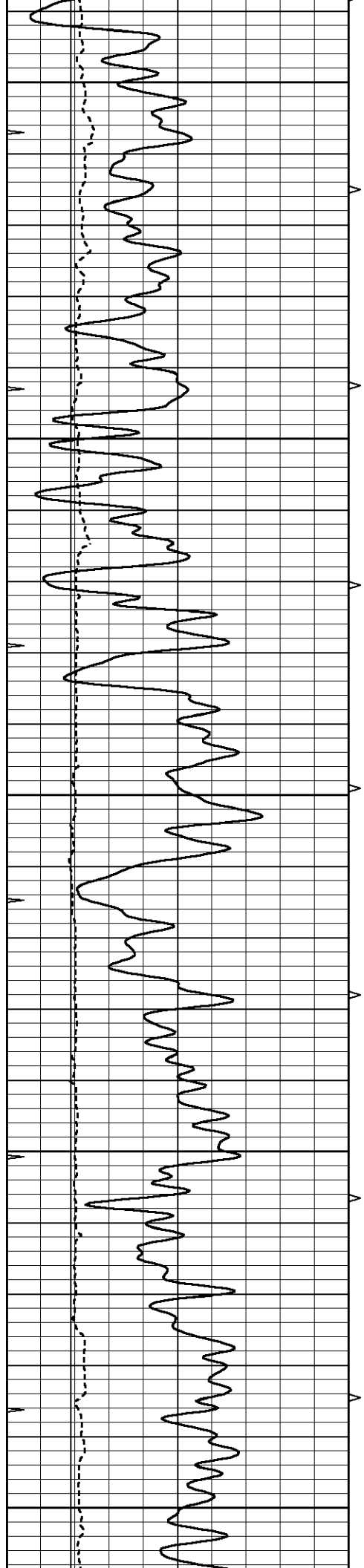
2450

2500

2550

2600





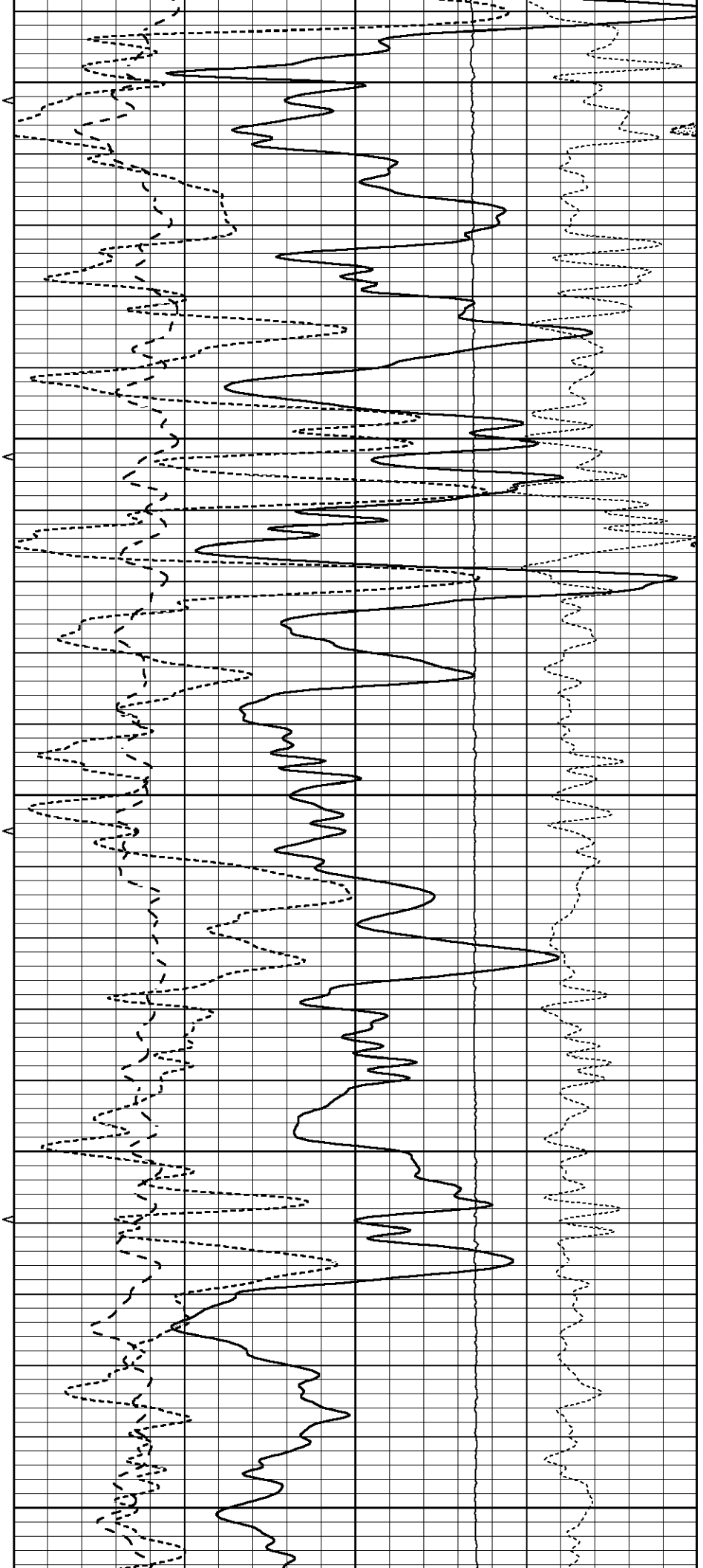
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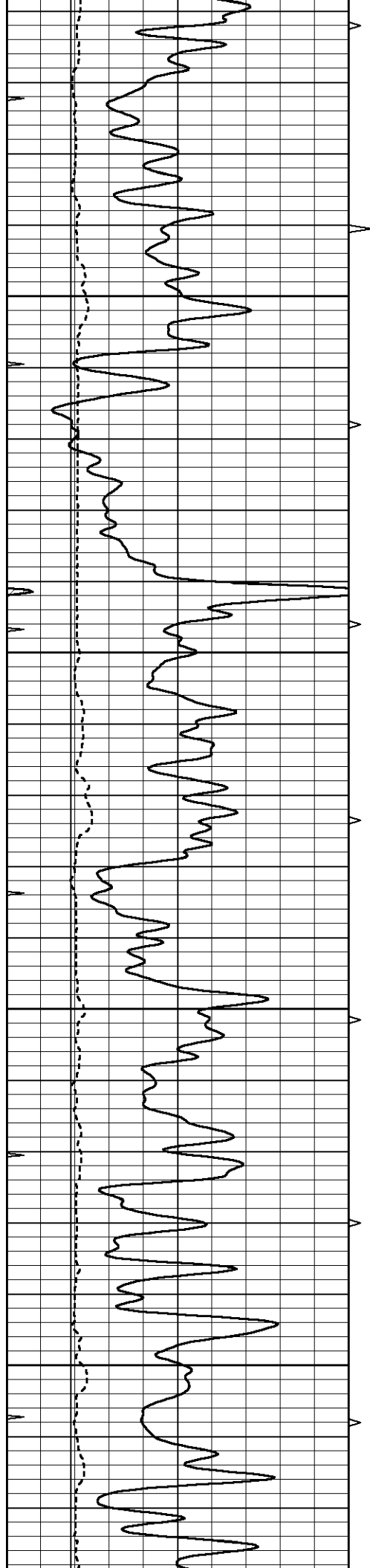
2700

2750

2800

2850



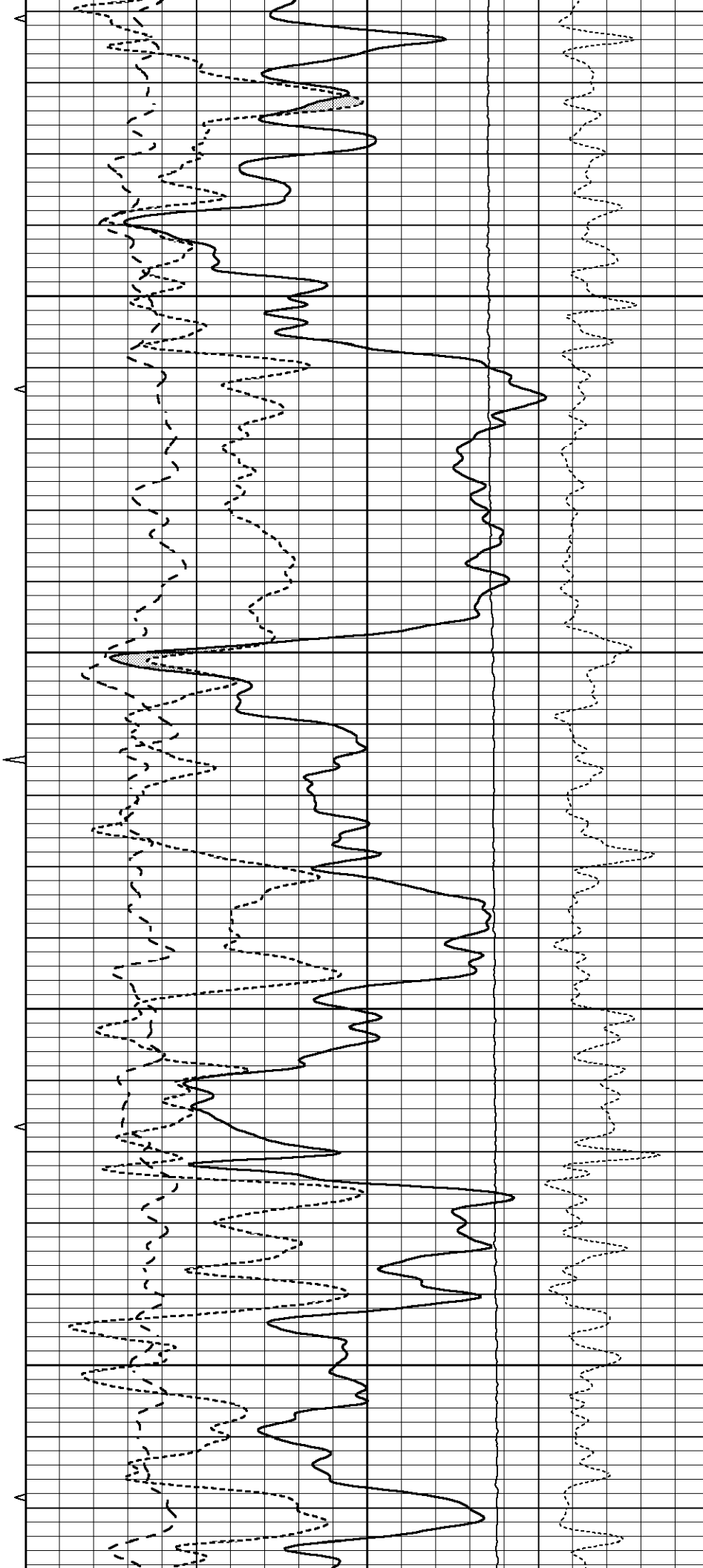


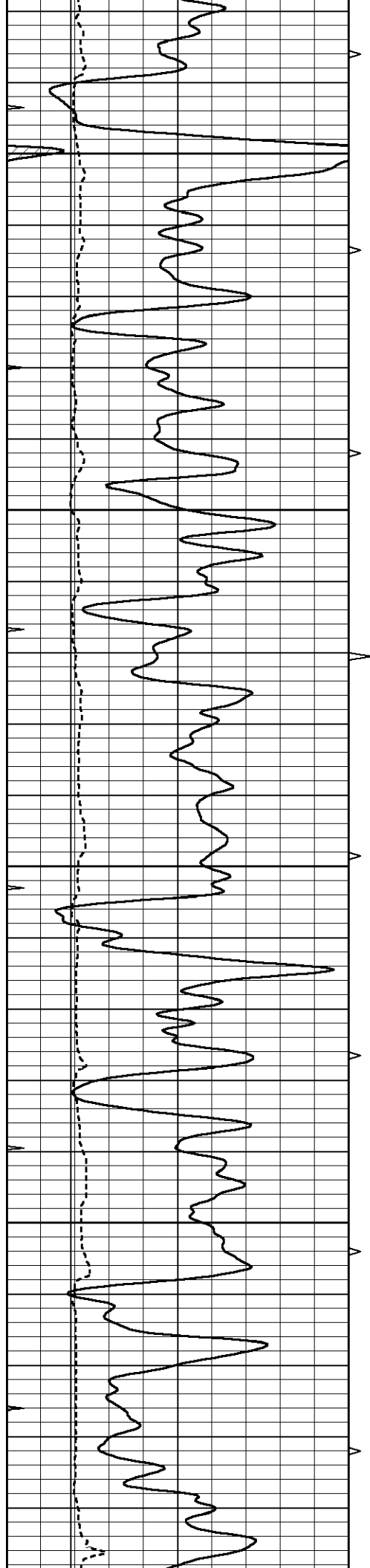
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2950

3000

3050



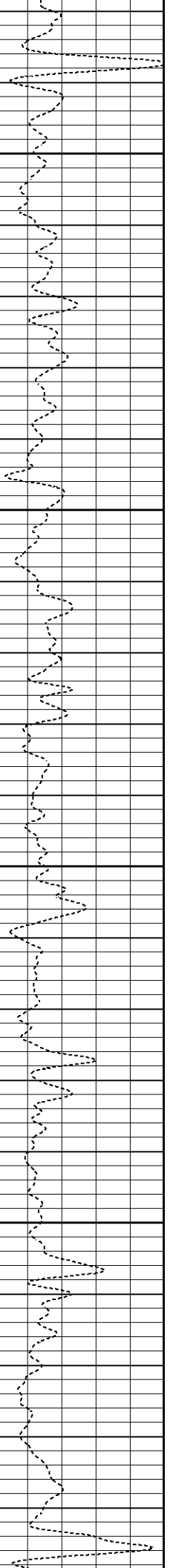
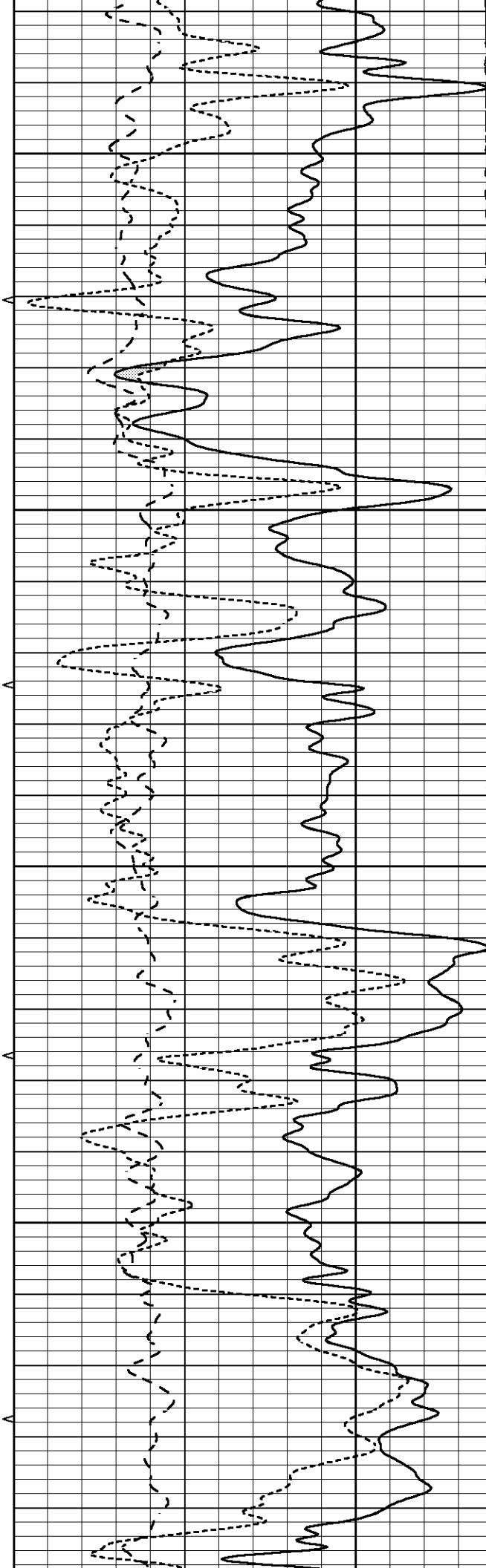


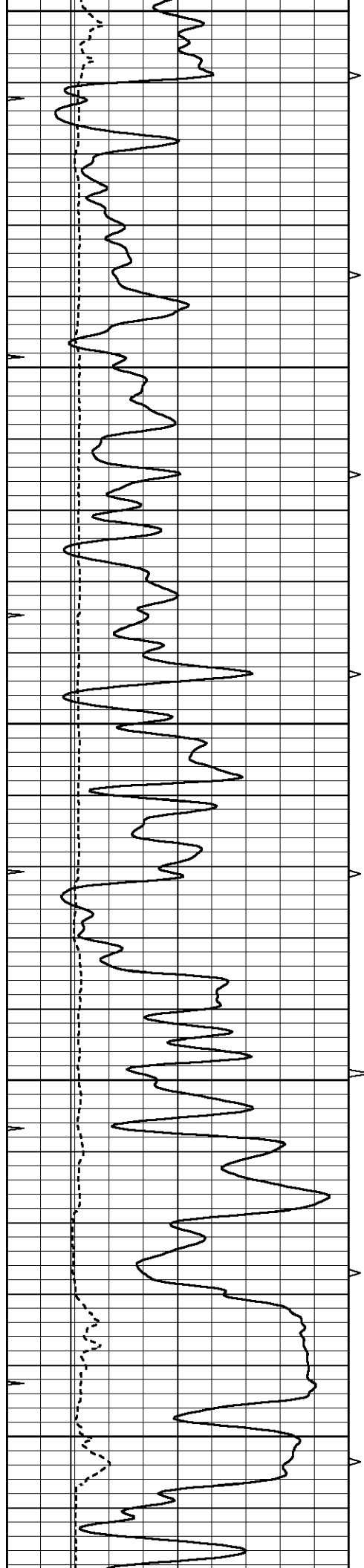
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3150

3200

3250





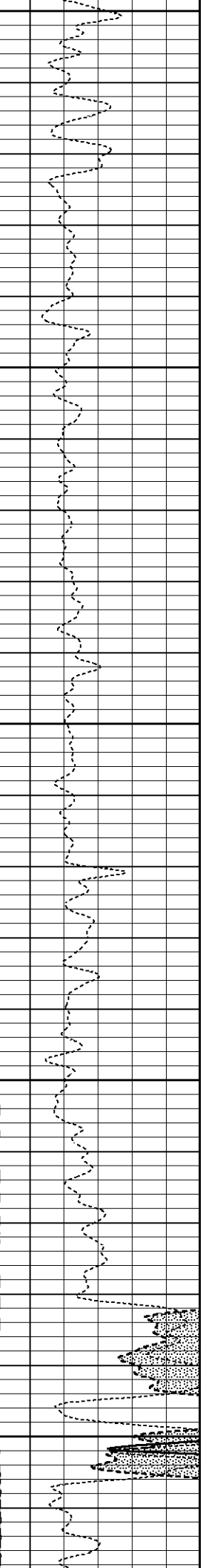
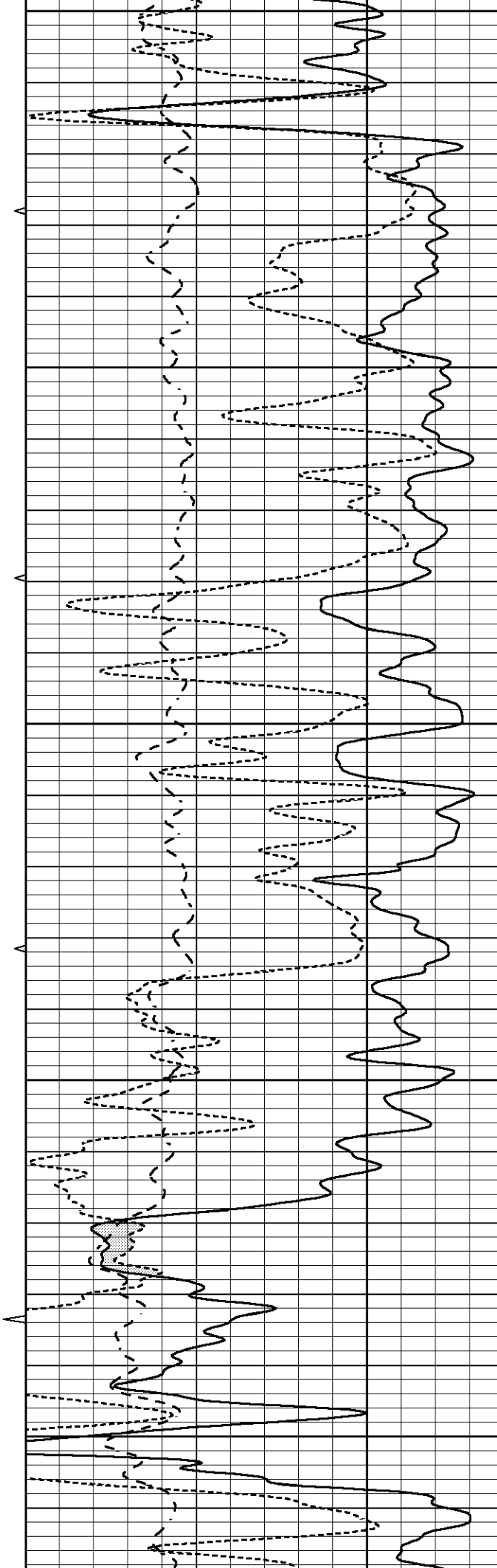
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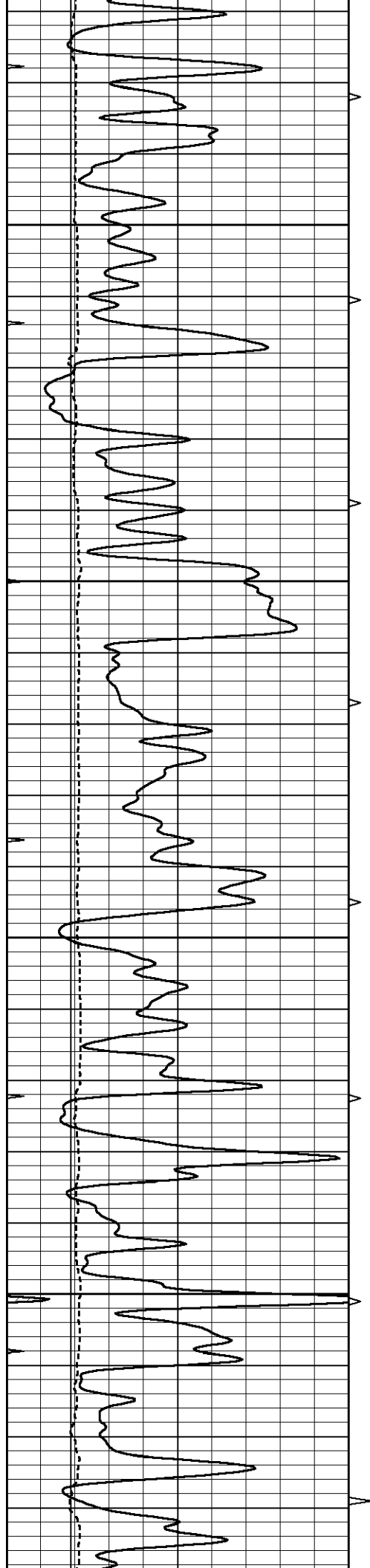
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3450

3500



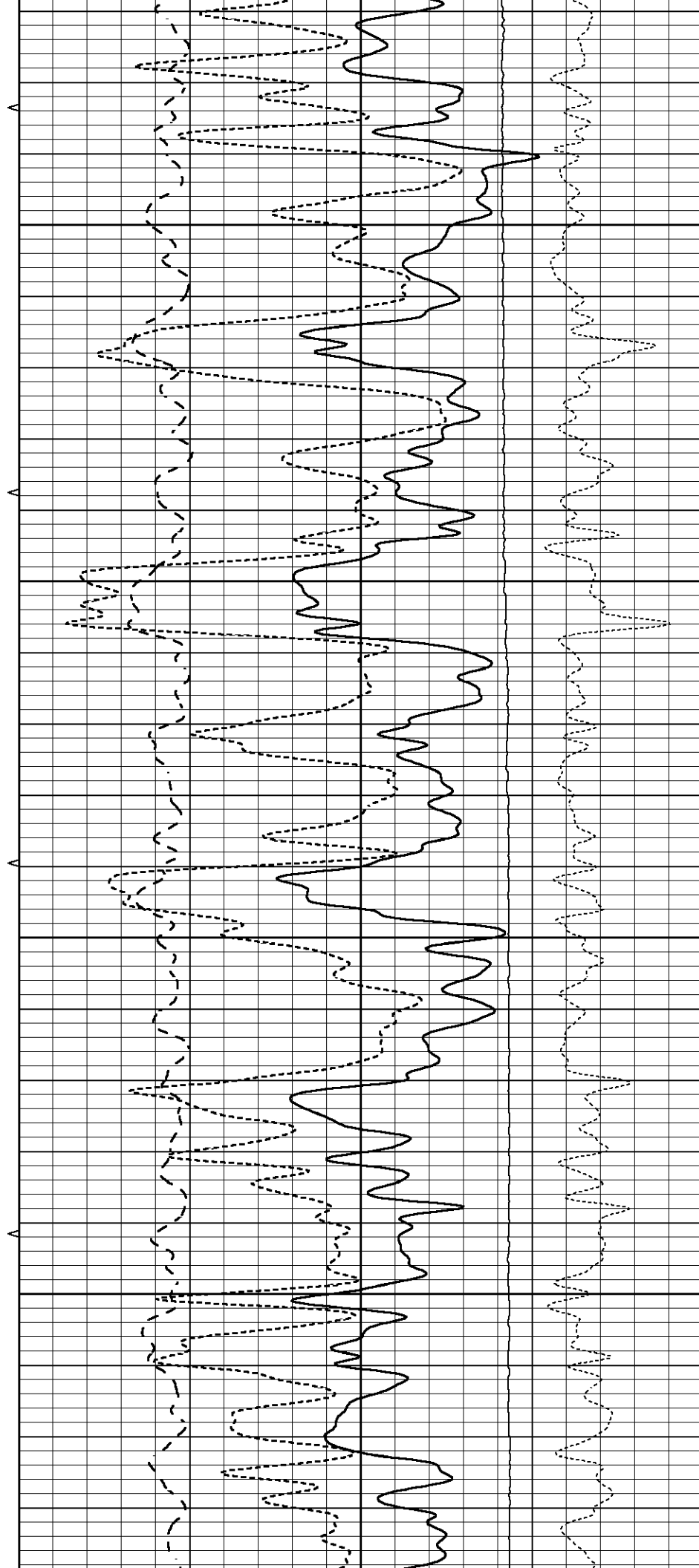


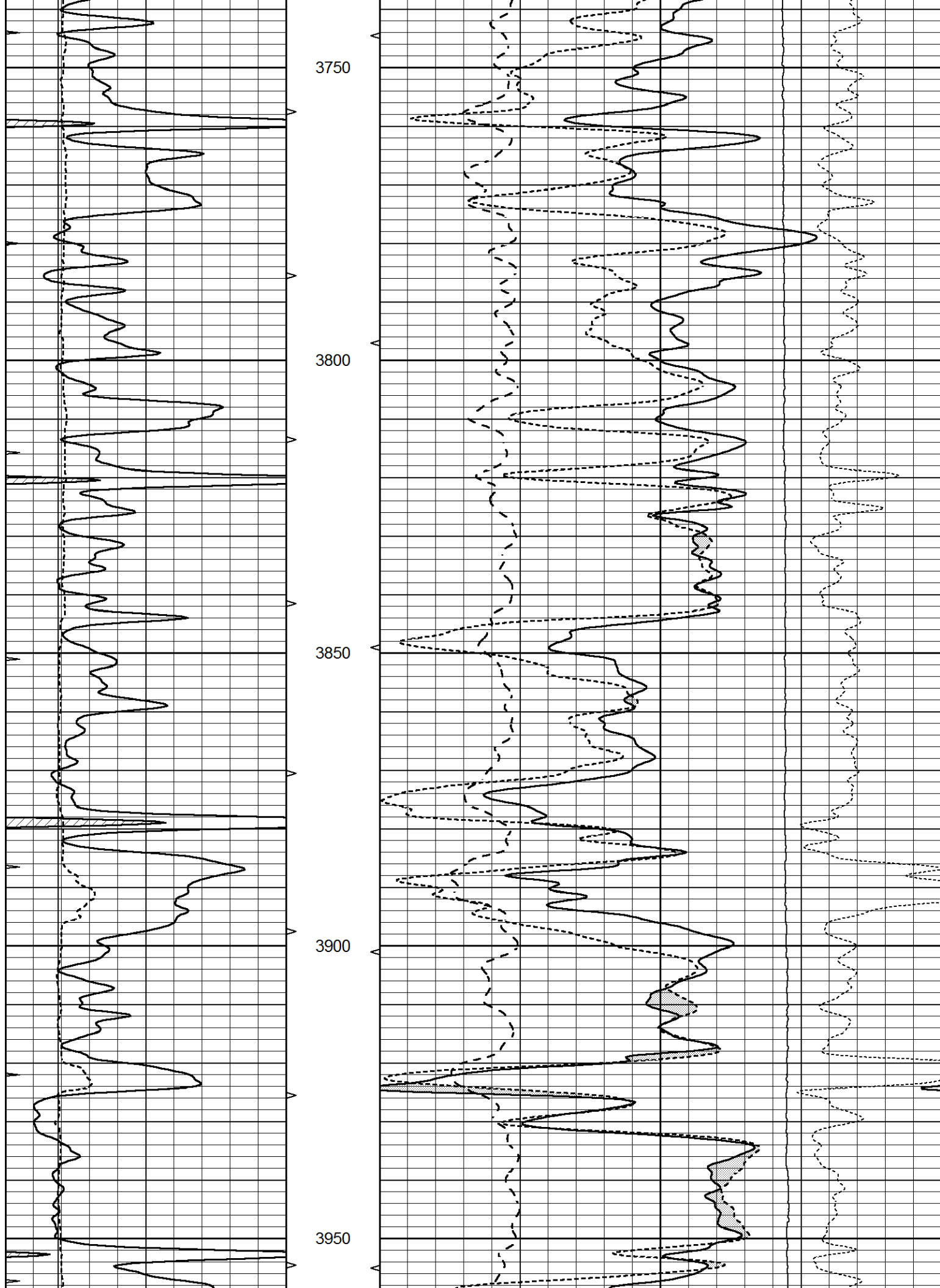
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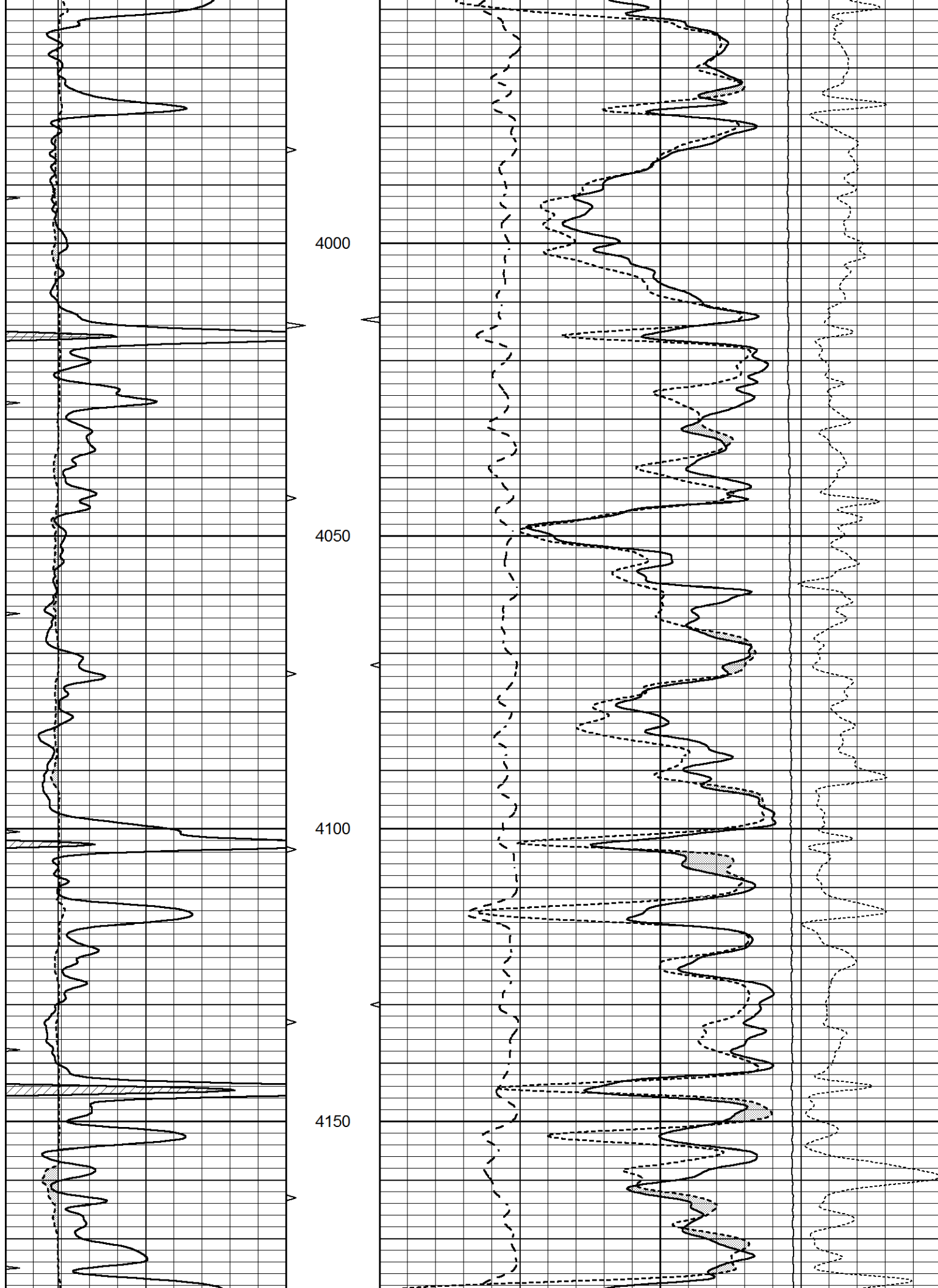
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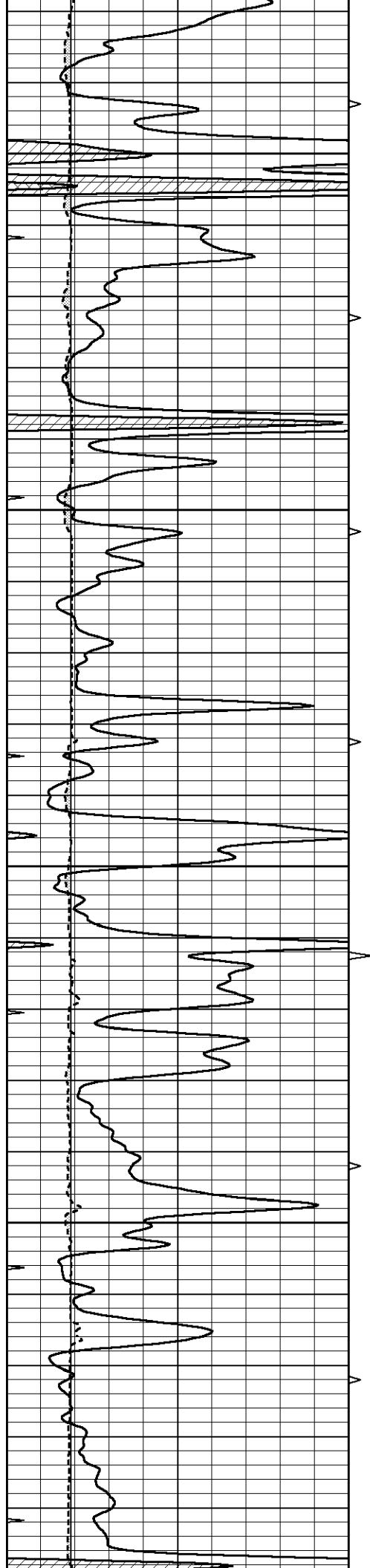
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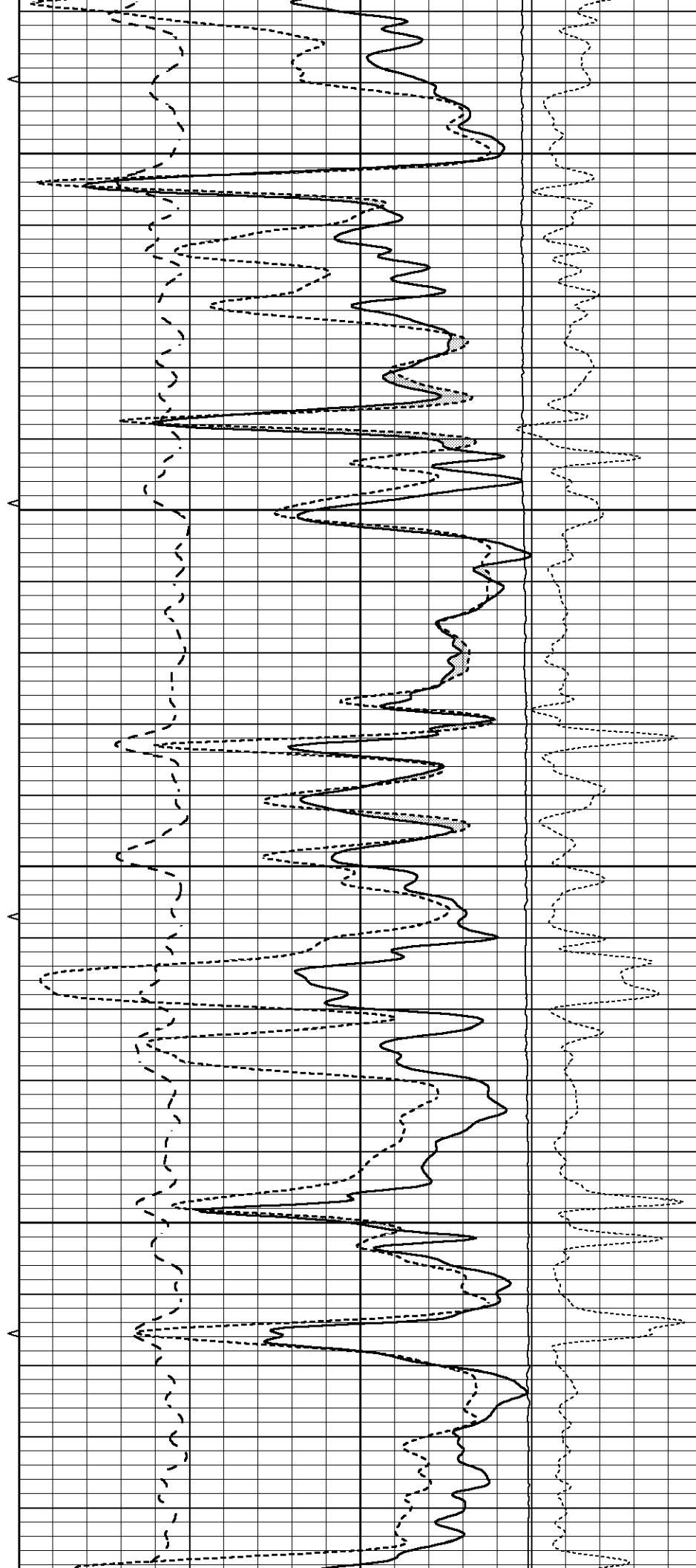


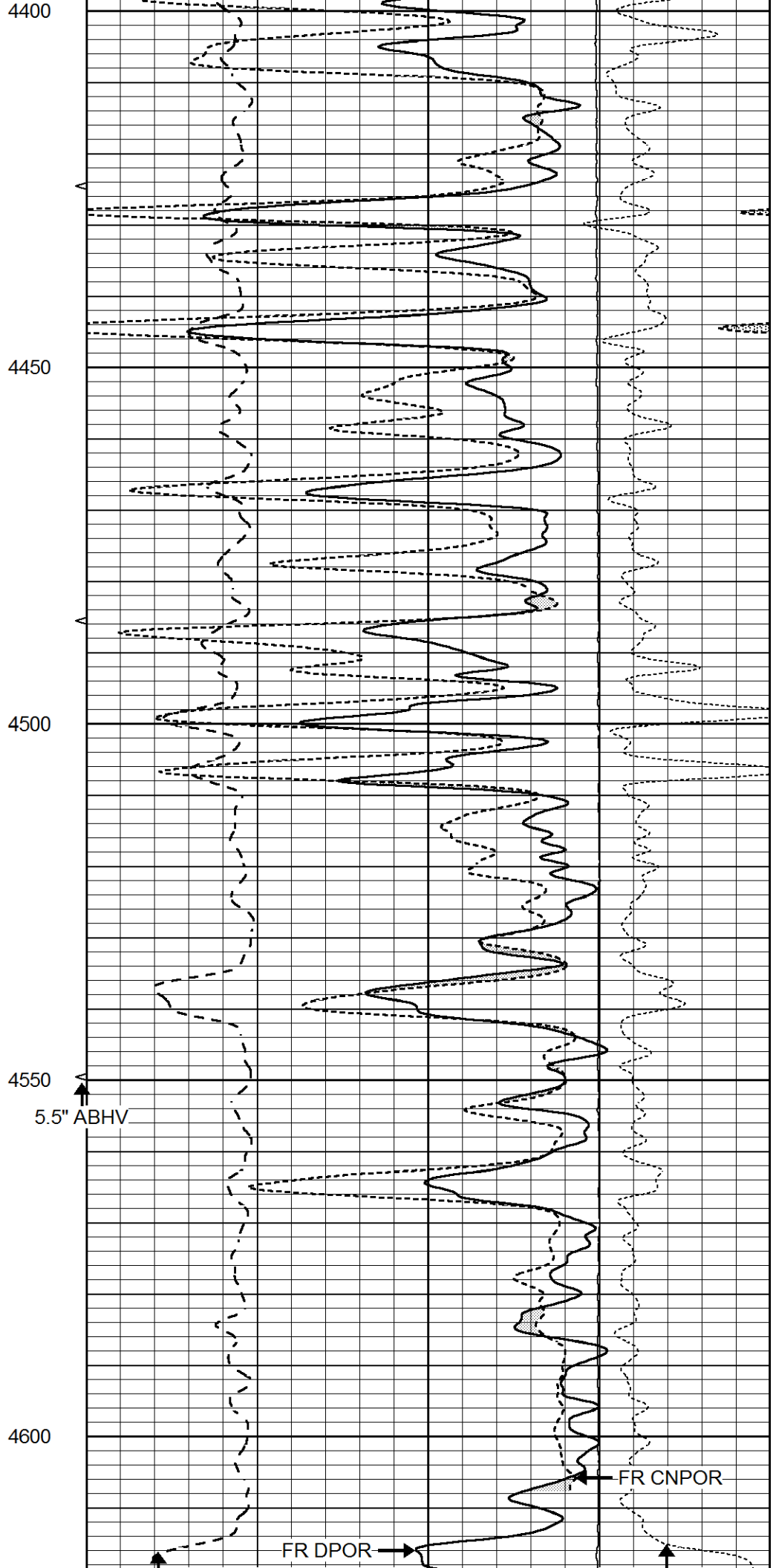
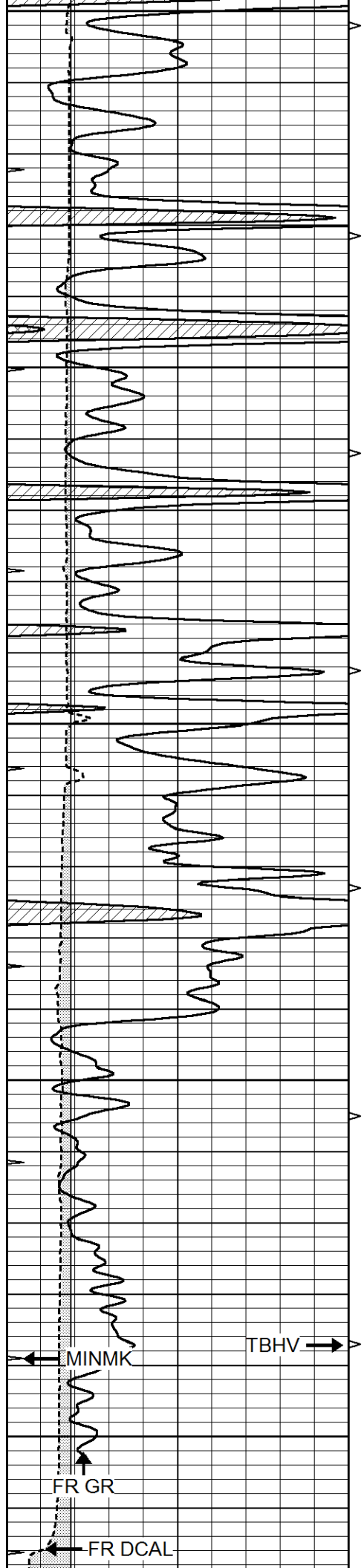
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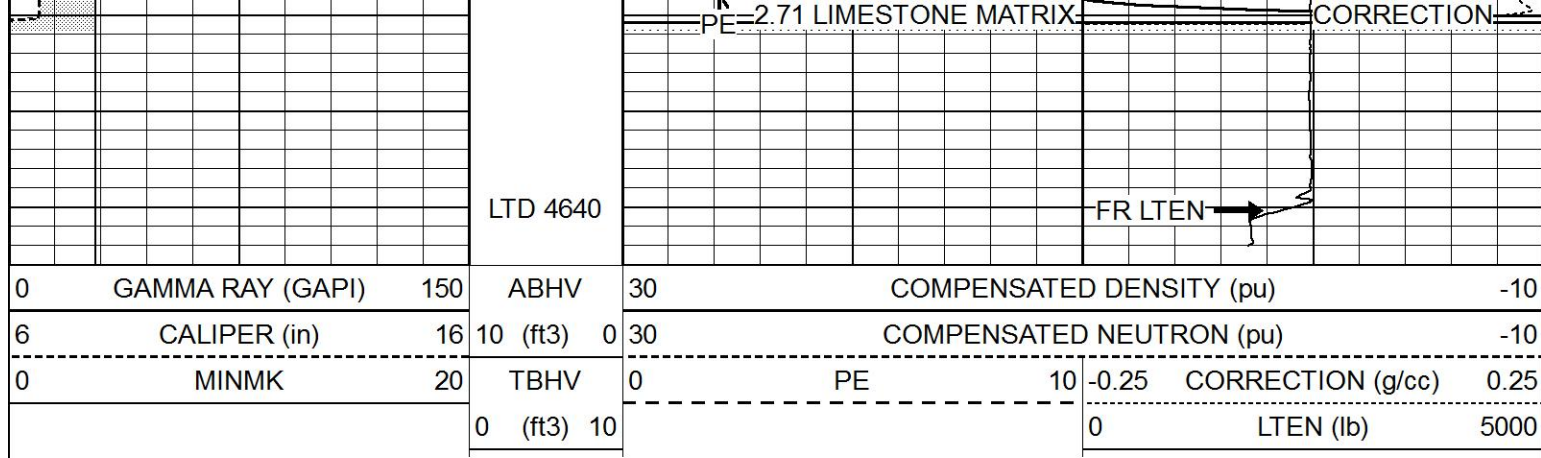
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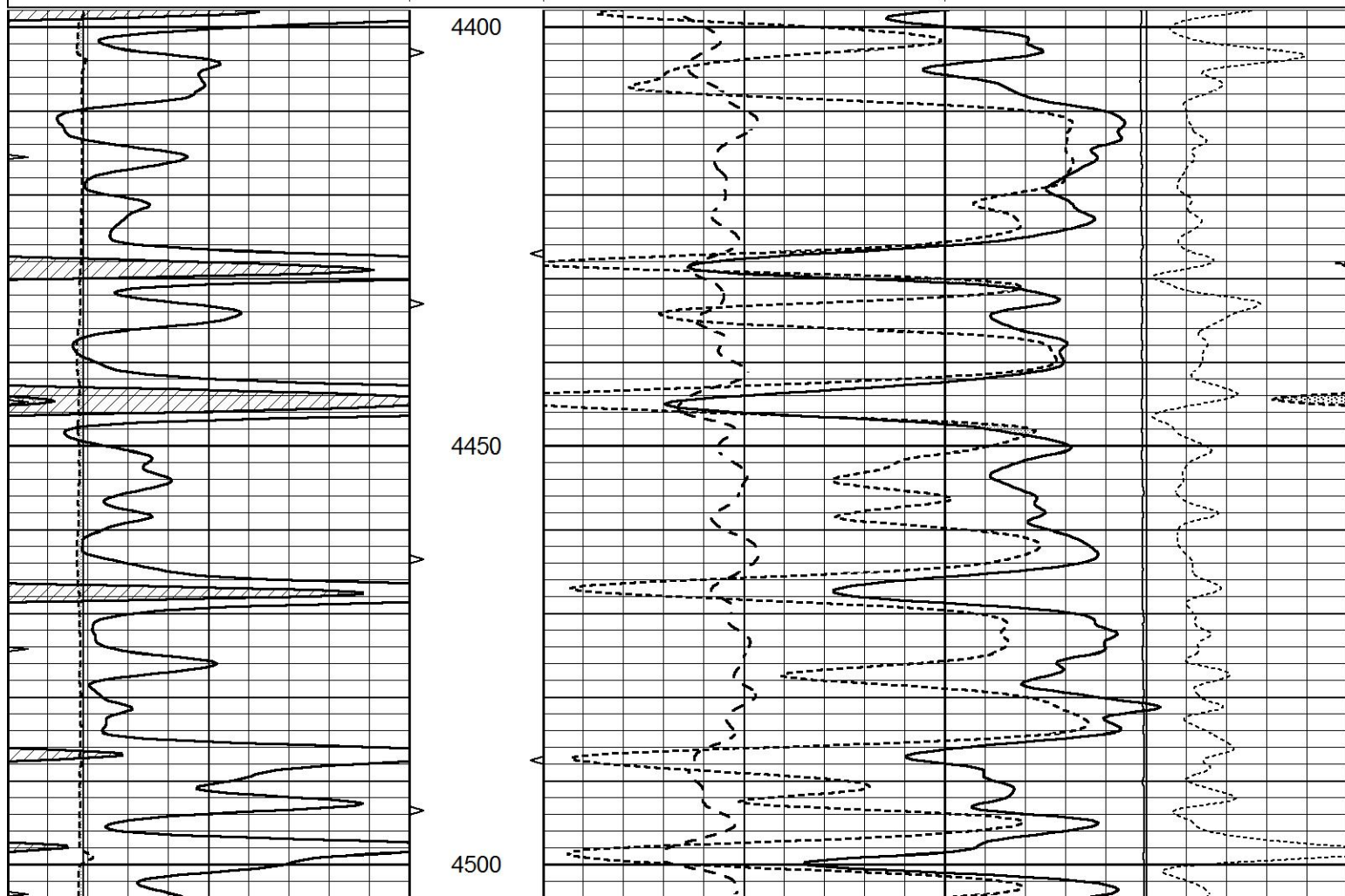
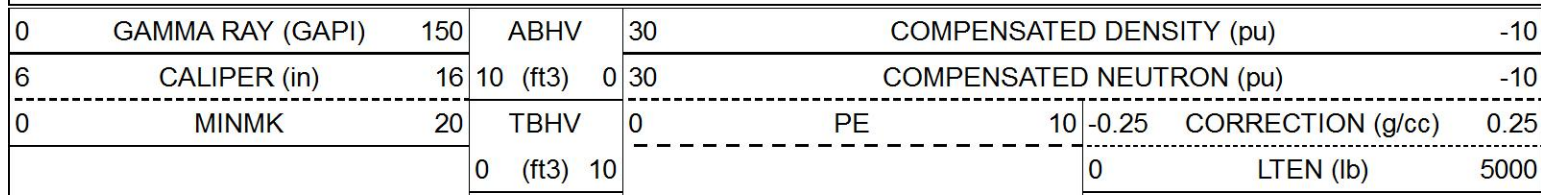


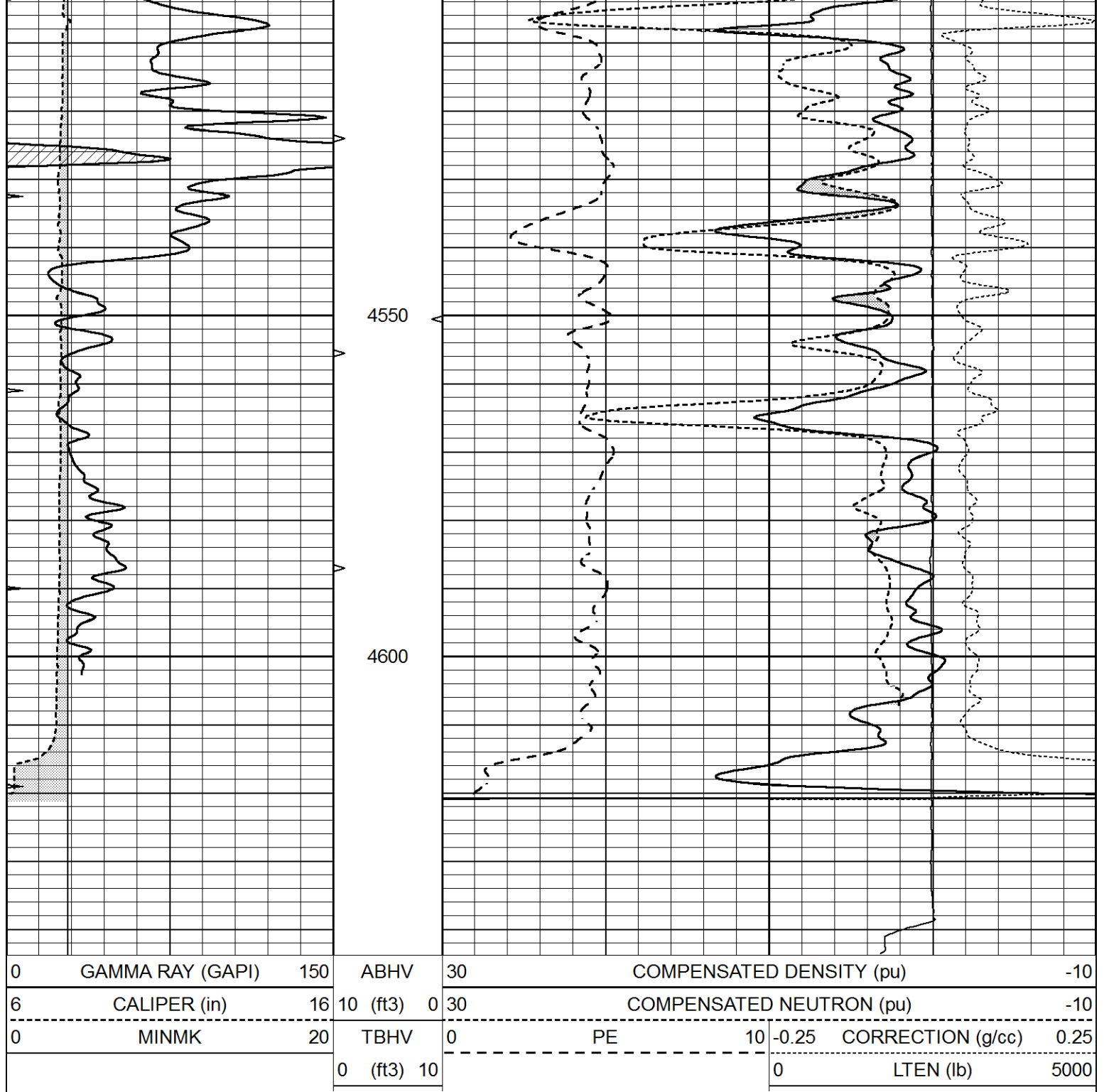




REPEAT SECTION

Database File 5654pe.db
 Dataset Pathname pass2.6R
 Presentation Format ldt_neu
 Dataset Creation Fri Sep 03 06:32:28 2021
 Charted by Depth in Feet scaled 1:240





Calibration Report						
Database File	5654pe.db					
Dataset Pathname	pass3.1M					
Dataset Creation	Fri Sep 03 05:58:01 2021					
Dual Induction Calibration Report						
Serial-Model:			PROBE9-DILG			
Surface Cal Performed:			Fri Sep 03 04:37:37 2021			
Downhole Cal Performed:			Wed Mar 11 11:31:19 2020			
After Survey Verification Performed:			Wed Mar 11 11:31:22 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	720.000	-12.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	720.000	-20.000
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		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report								
Serial: 003				Model: PRB				

Master Calibration					Performed Fri Mar 05 10:51:07 2021			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1570.6	10682.1	3457.0	3096.9				cps
Window 2	1451.7	9432.7	3101.4	2816.5				cps
Window 3	1334.0	7160.6	2532.0	2369.3				cps
Window 4	370.4	373.1	366.4	370.9				cps
Long Space	0.0	7981.0	1649.7	1364.8				cps
Short Space	2.8	3522.0	2211.0	1823.6				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 43.5	Rib Slope	: 0.951	Density/Spine Ratio			: 0.535	
Spine Angle	: 73.5	Spine Slope	: 3.386	Spine Intercept			: -18.7	

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			
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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	

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:	Fri Sep 03 05:25:49 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2800	GAPI/cps