



COMPENSATED DENSITY / NEUTRON LOG

Company DOWNING - NELSON OIL COMPANY, INC.

Well LYNN PELTON #2-30

Field UNNAMED

County PAWNEE State KANSAS

Location: API #: 15-145-21890-0000

2247' FSL & 1356' FEL

SEC 30 TWP 20S RGE 20W

Permanent Datum GROUND LEVEL Elevation 2172

Log Measured From KELLY BUSHING 8' A.G.L.

Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL

Elevation

K.B. 2180
D.F. 2178
G.L. 2172

Date 8/5/23

Run Number TWO

Depth Driller 4347

Depth Logger 4344

Bottom Logged Interval 4338

Top Log Interval 2150

Casing Driller 8 5/8" @ 1191'

Casing Logger 1190

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD CHLORIDES 10,000 PPM

Density / Viscosity 8.8/47

pH / Fluid Loss 10.0/14.4

Source of Sample FLOWLINE

Rm @ Meas. Temp .260 @ 79F

Rmf @ Meas. Temp .195 @ 79F

Rmc @ Meas. Temp .312 @ 79F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .173 @ 119F

Time Circulation Stopped 9.5 HOURS

Time Logger on Bottom 2.45 A.M.

Maximum Recorded Temperature 119F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By MARC DOWNING

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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.

15-145-21890-0000

Comments

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

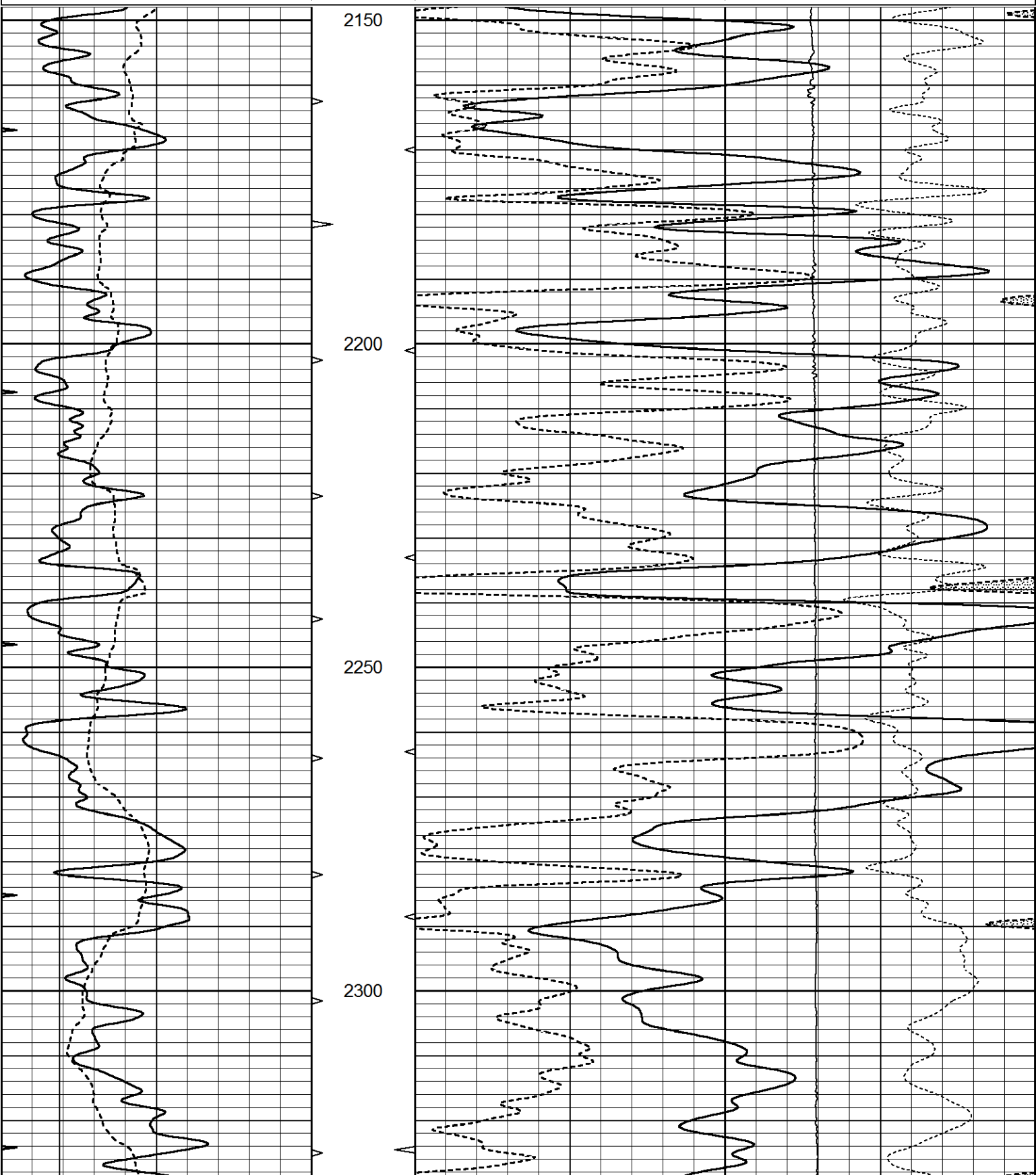
ALEXANDER, KS., (HWY 96 & RD. 120) 12 1/4S. TO "RD. V", 1W. TO "370TH AVE.", 1/2S., W. INTO

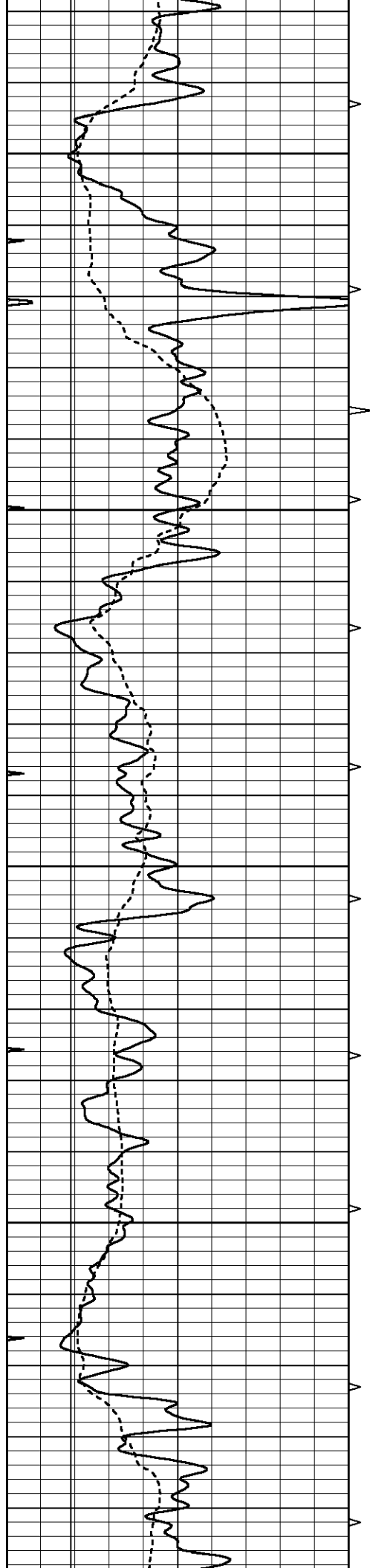


MAIN SECTION

Database File	7314ddn.db
Dataset Pathname	pass3.1M
Presentation Format	_den_neu
Dataset Creation	Sat Aug 05 04:04:30 2023
Charted by	Depth in Feet scaled 1:240

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



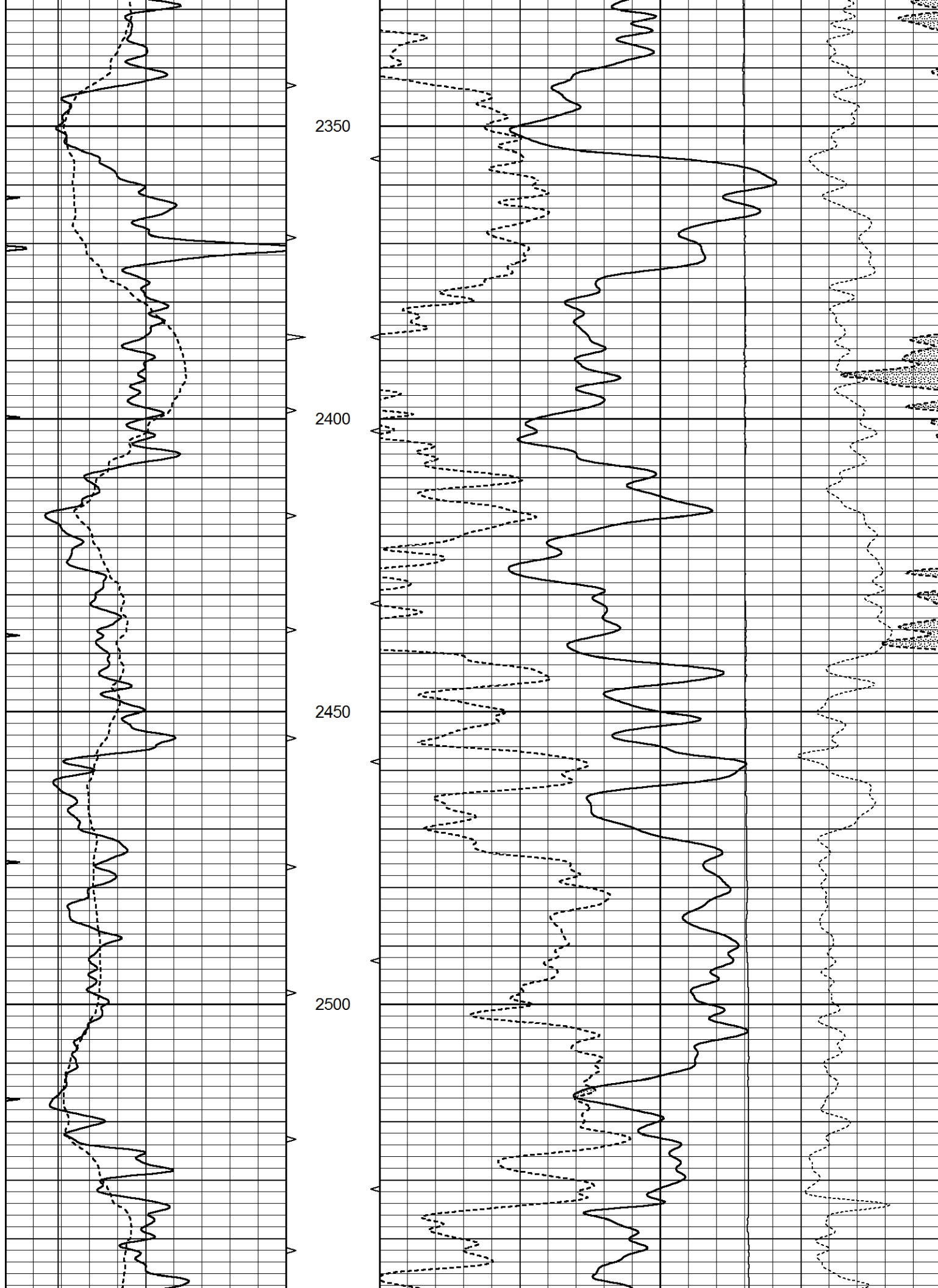
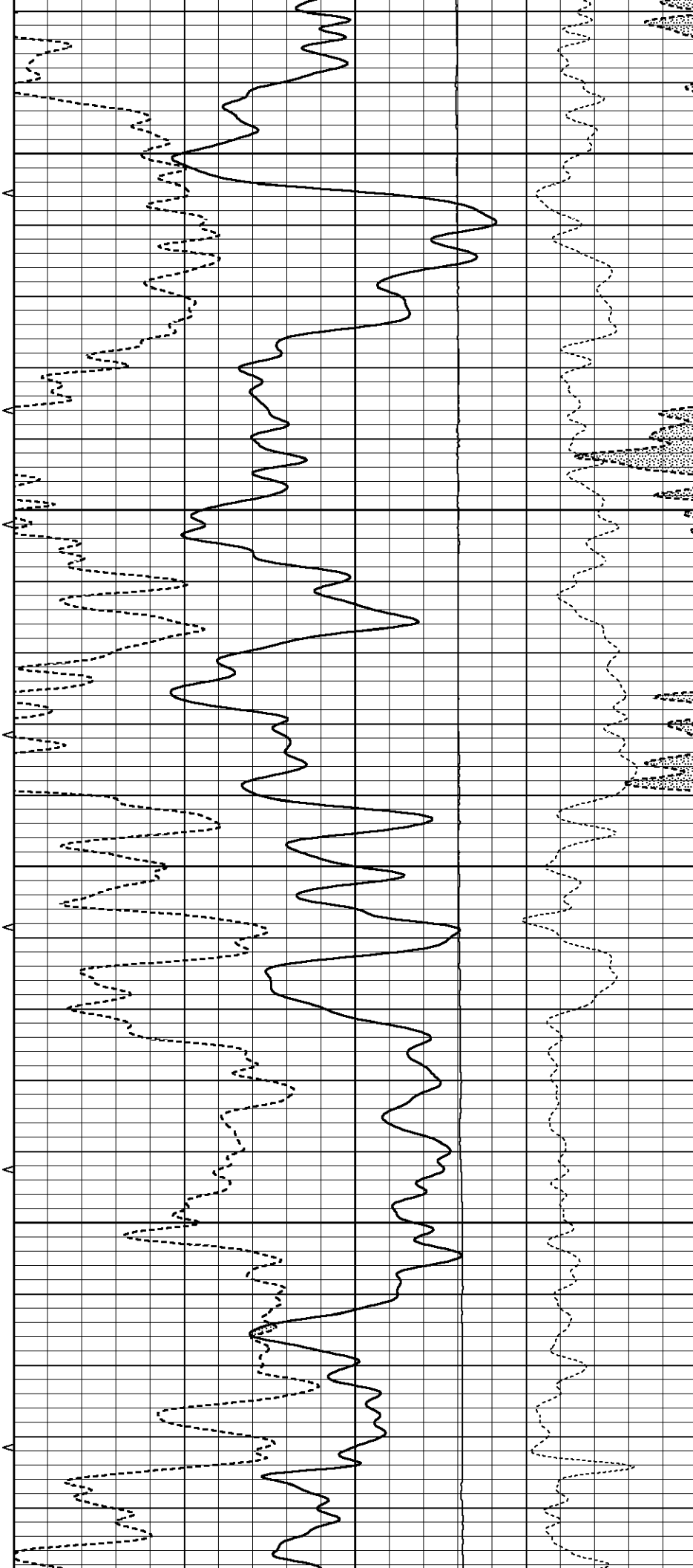


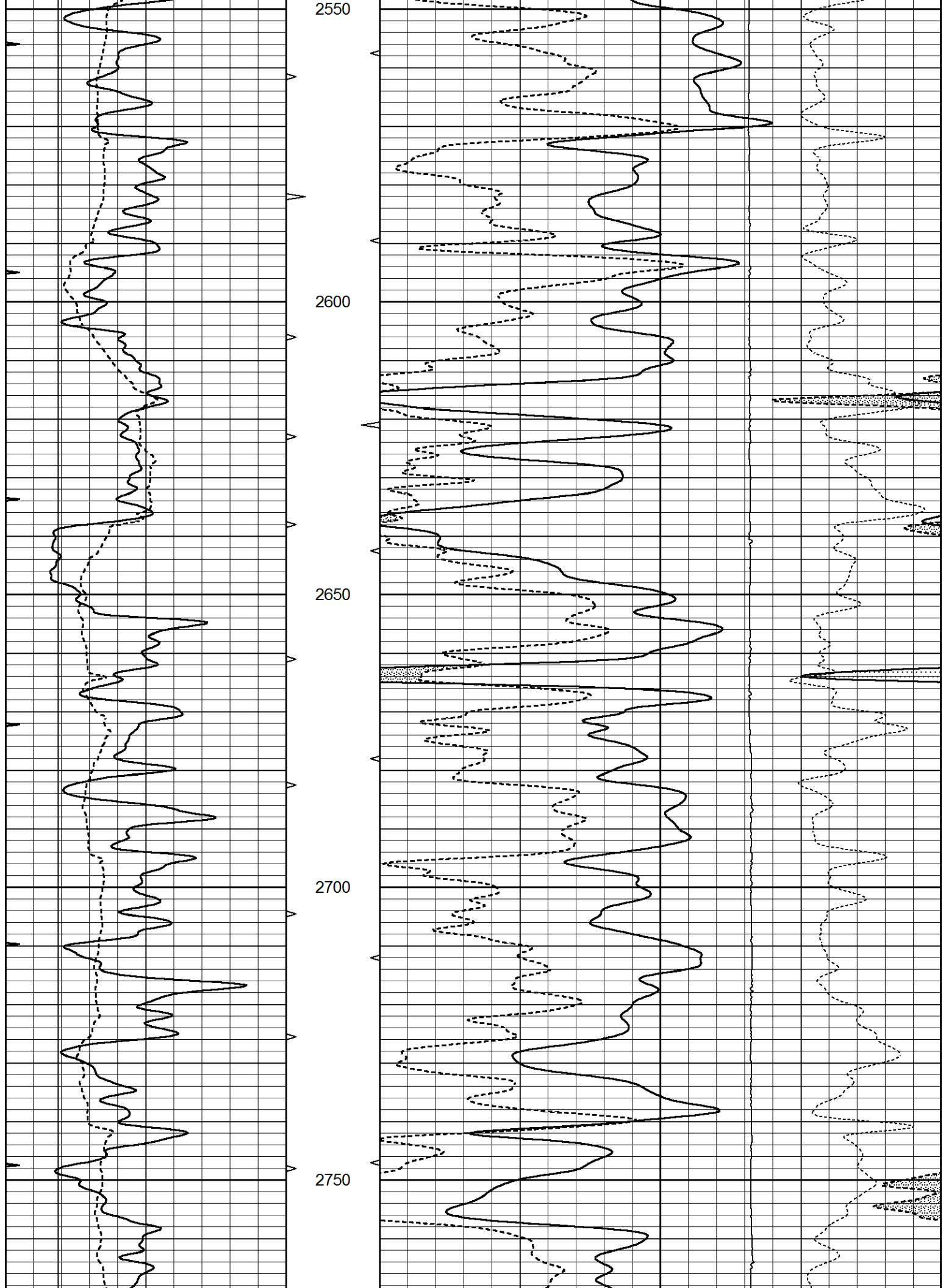
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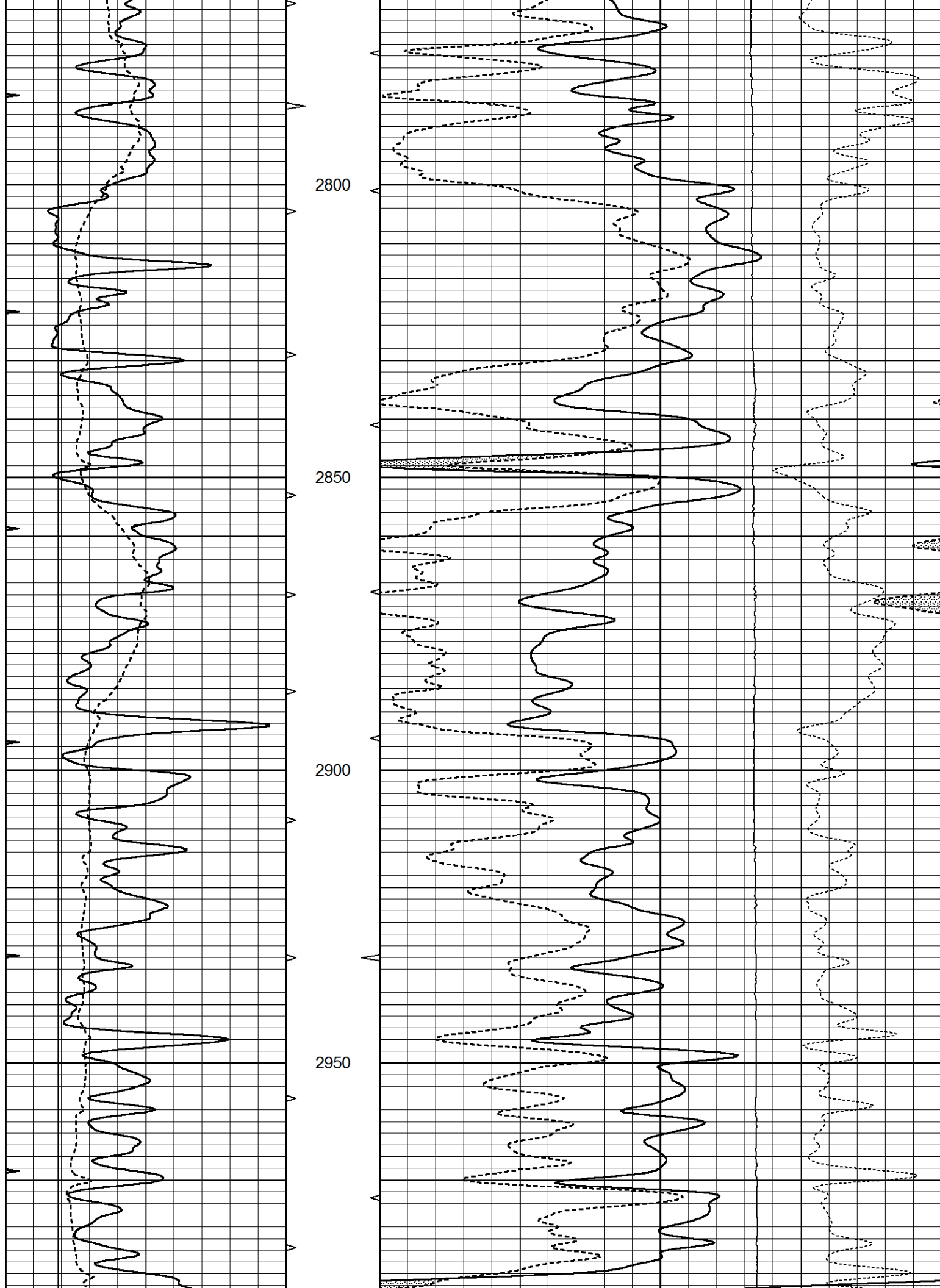
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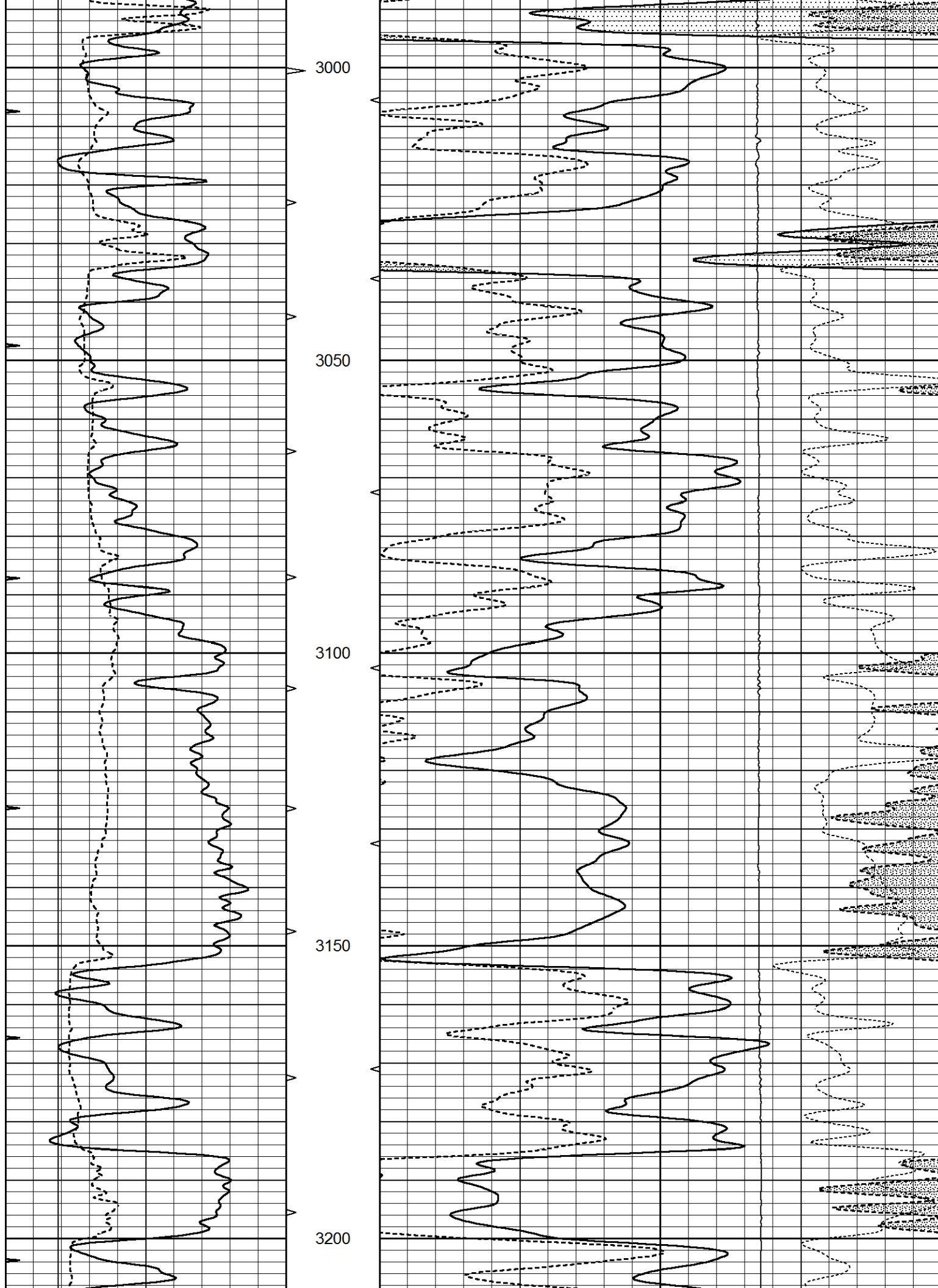
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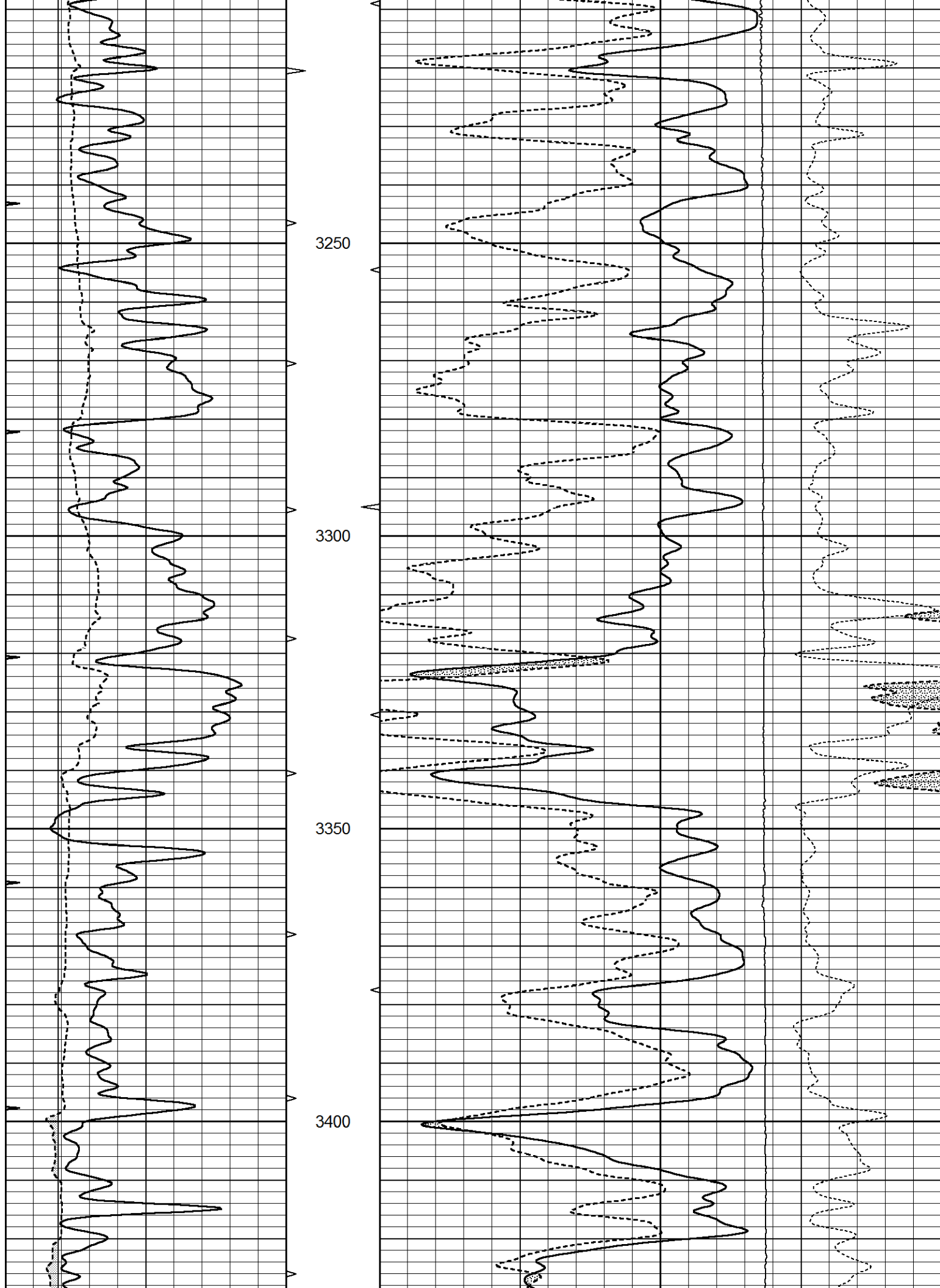
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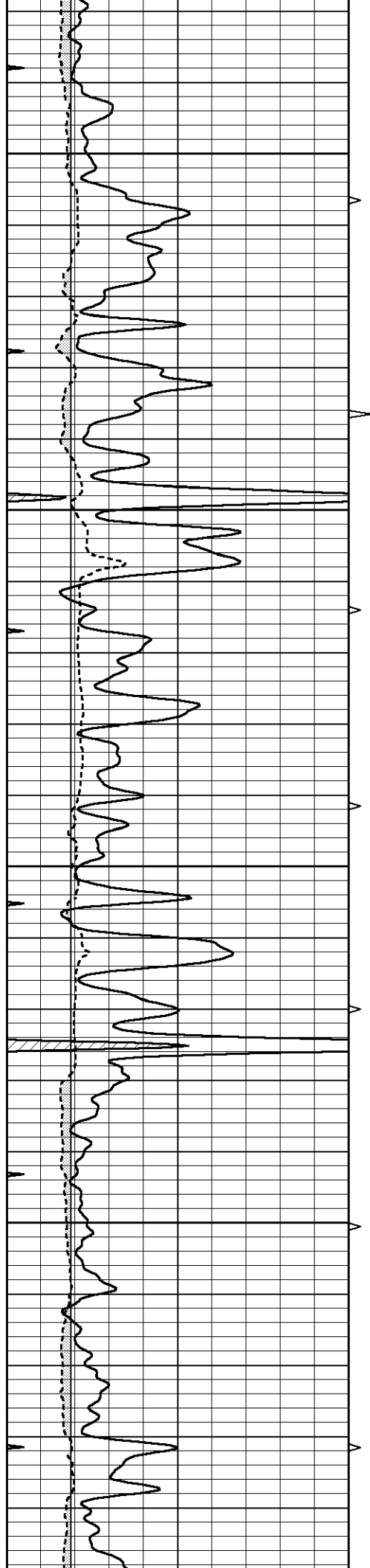










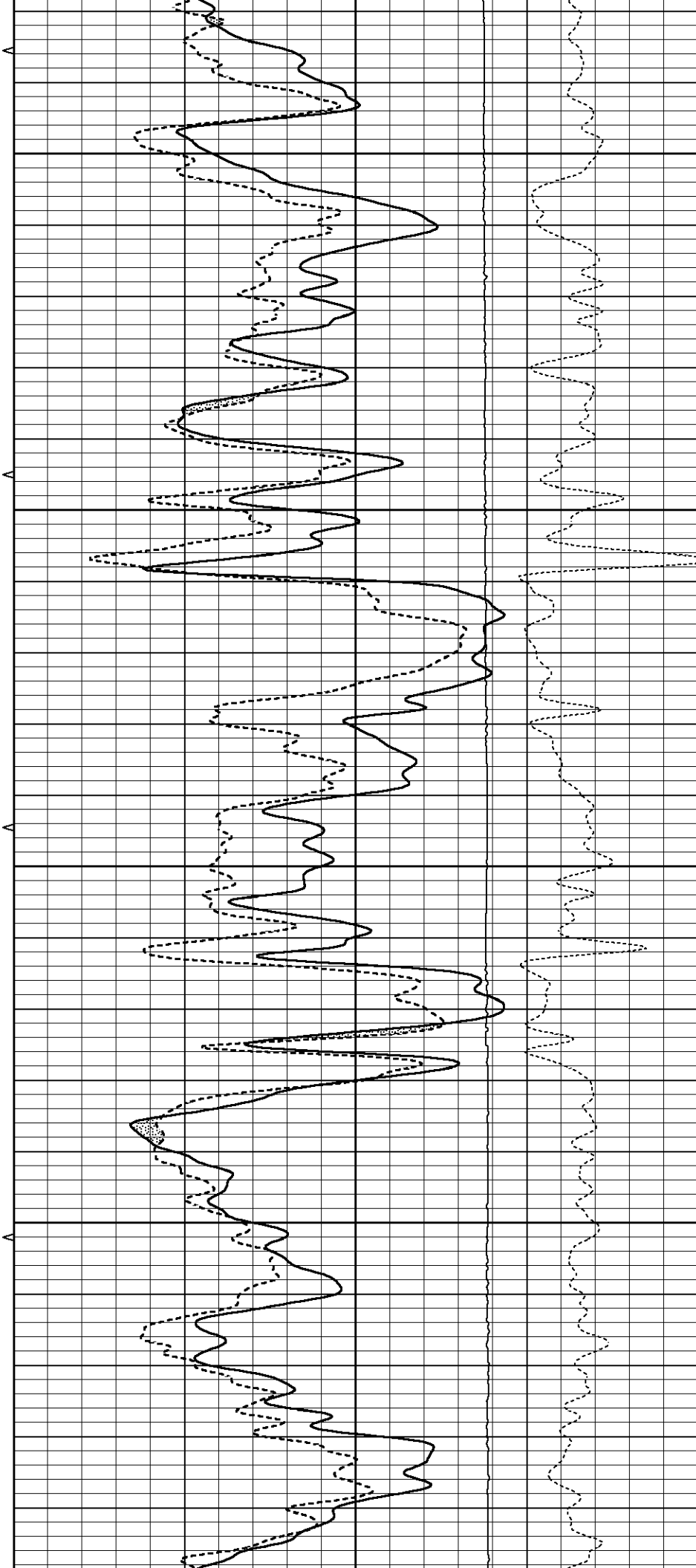


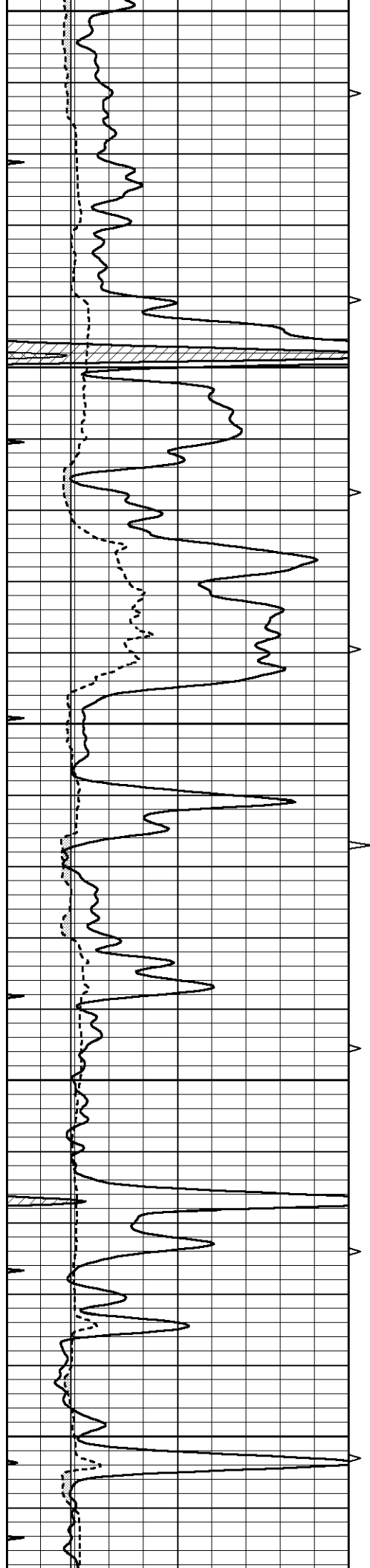
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3500

3550

3600





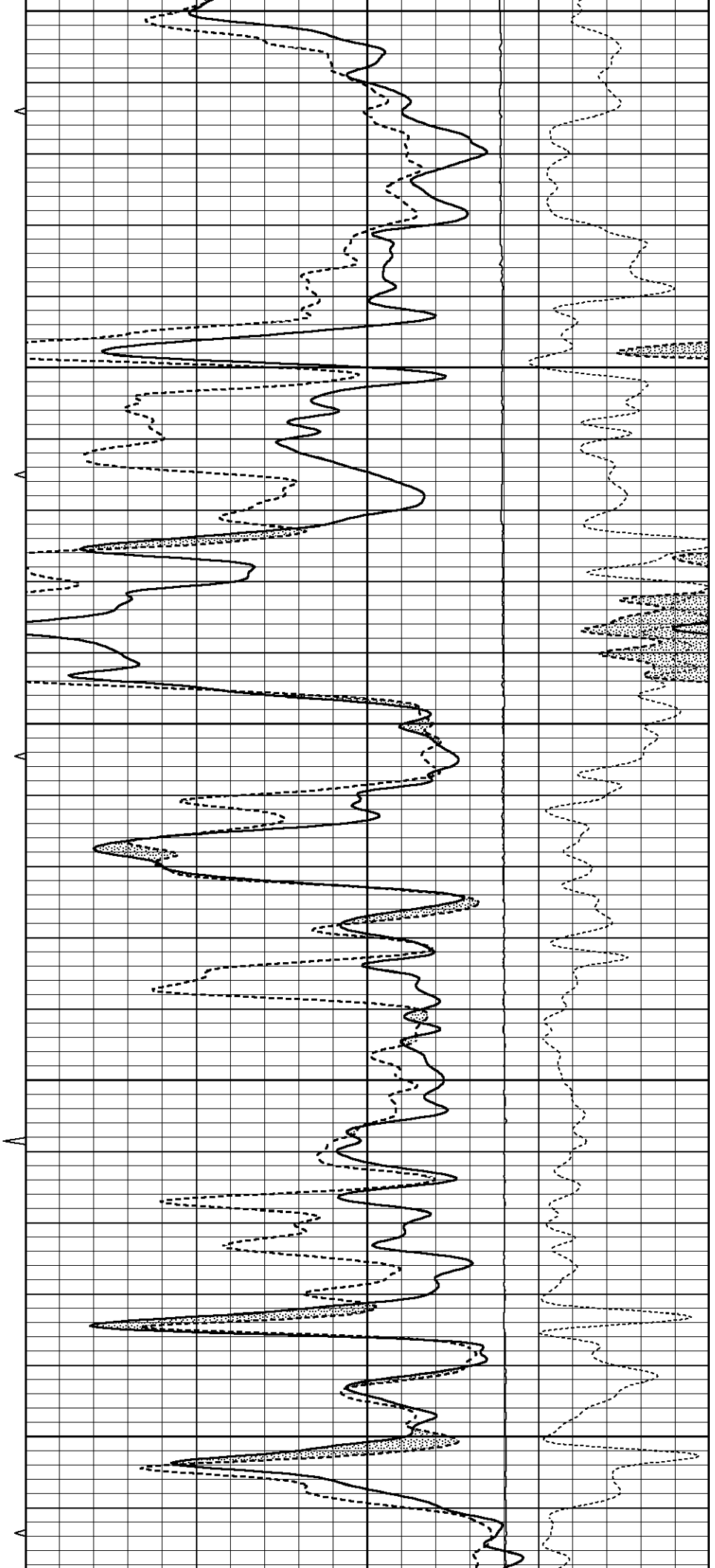
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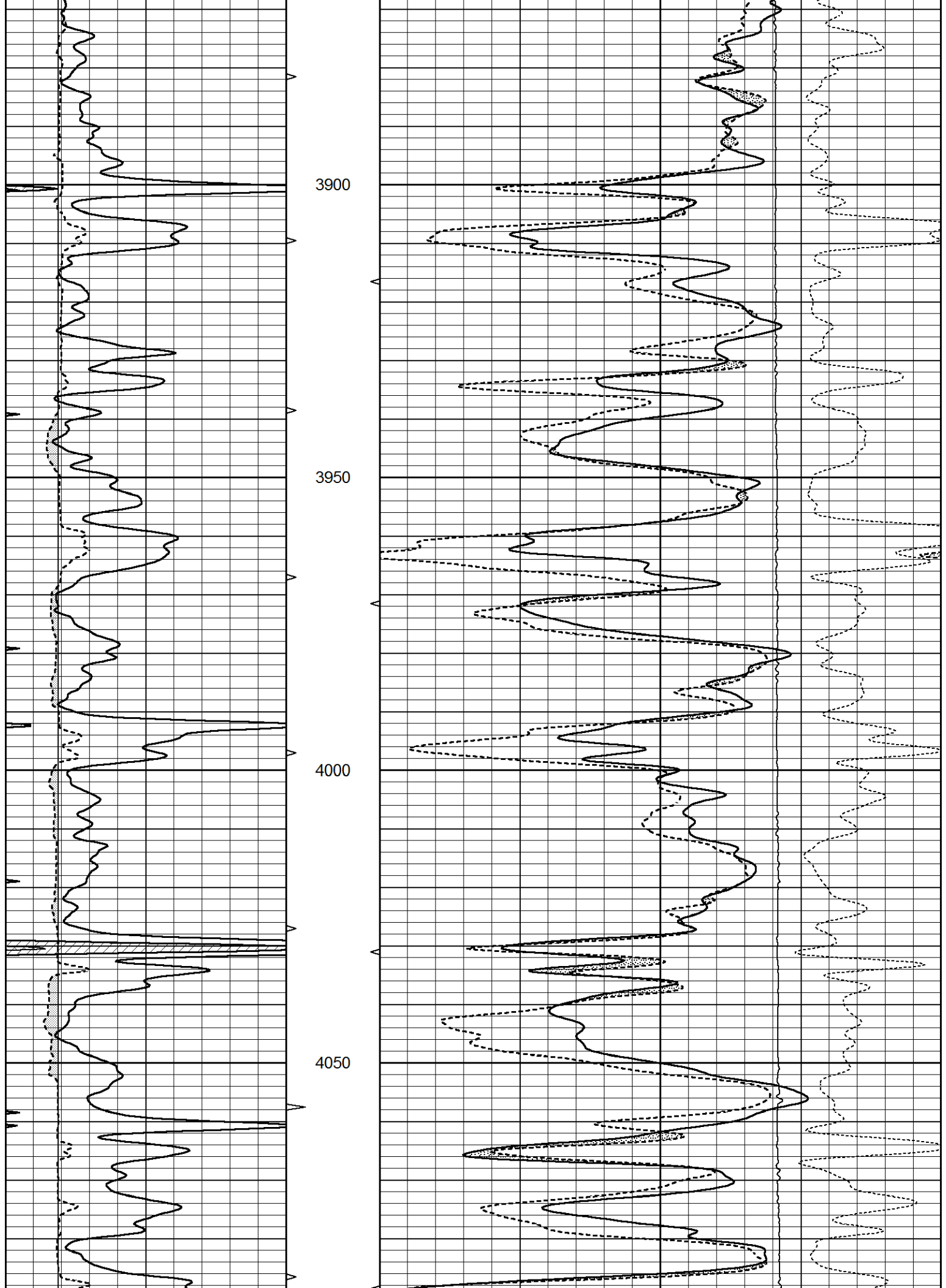
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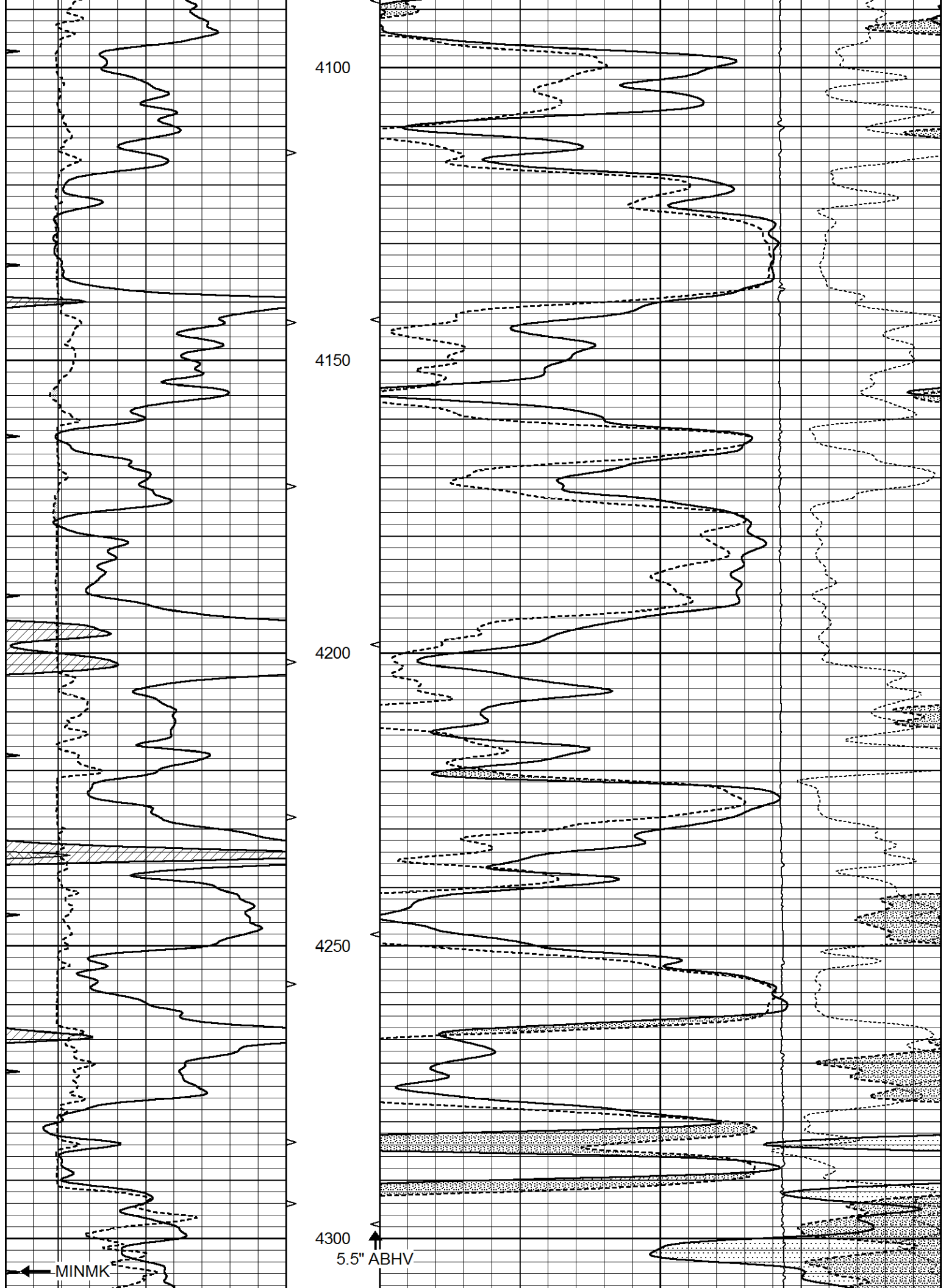
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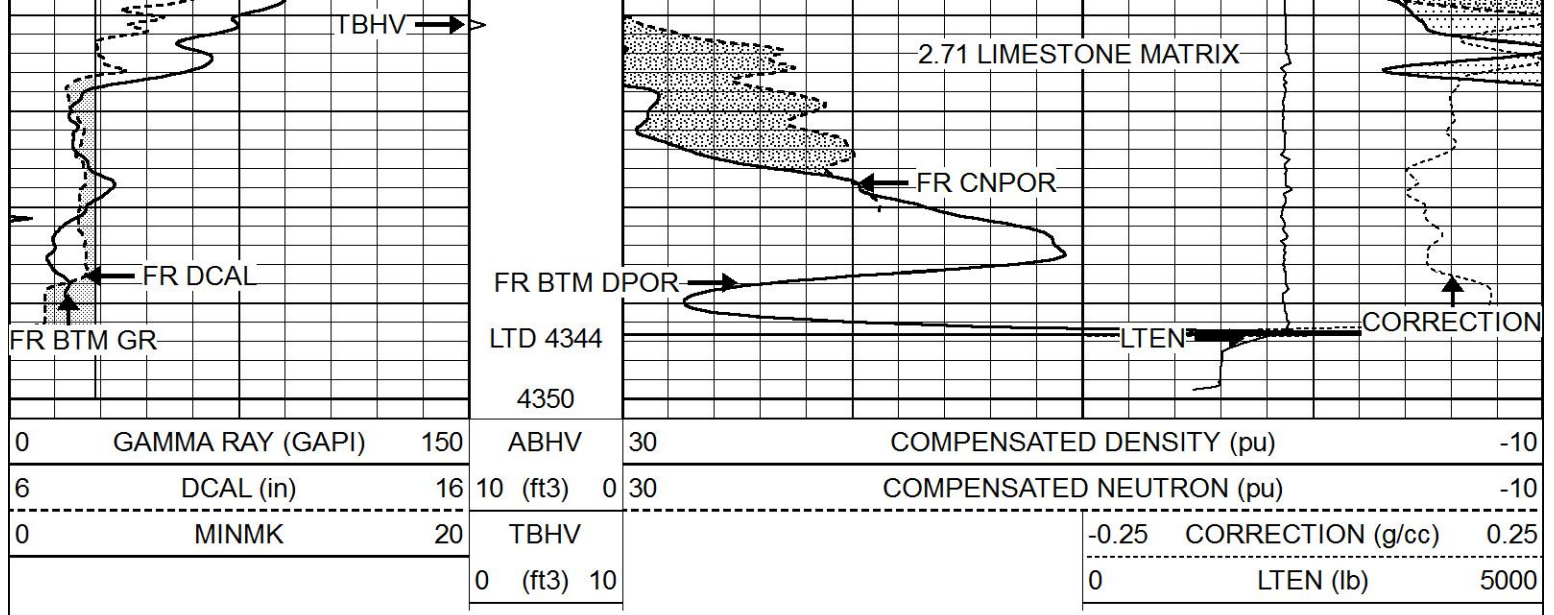
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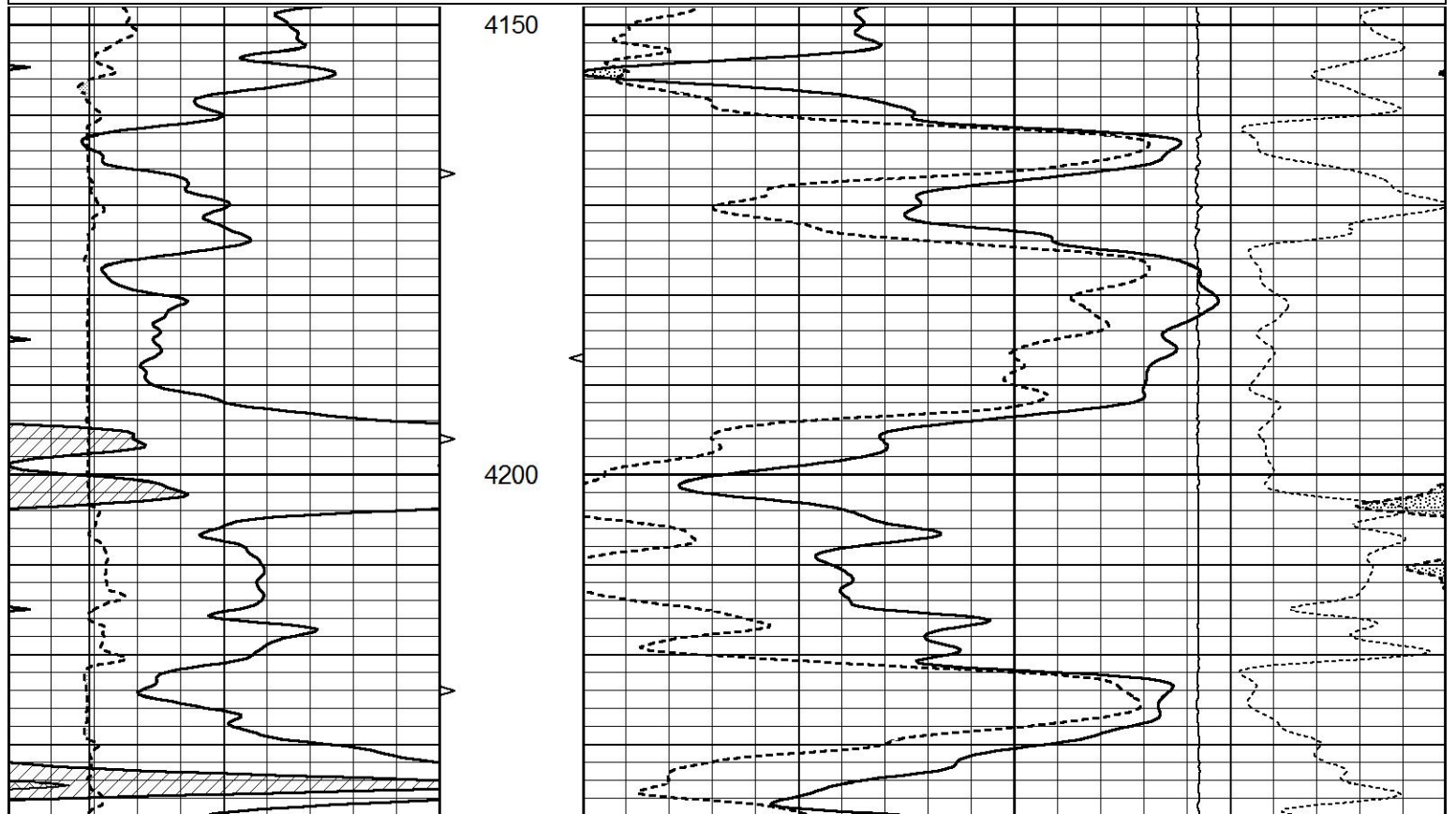
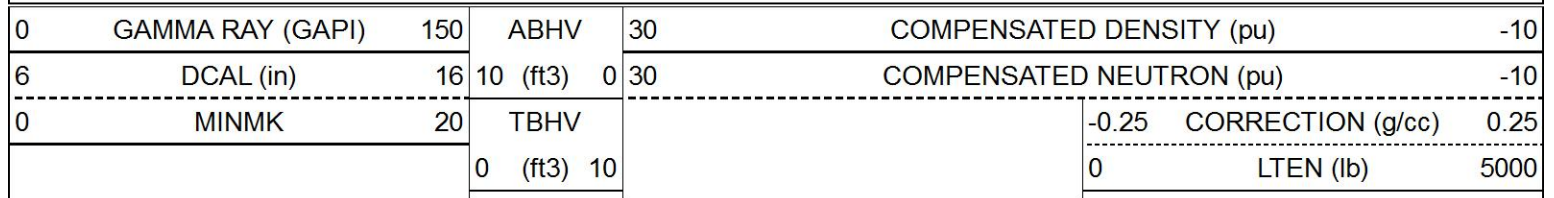


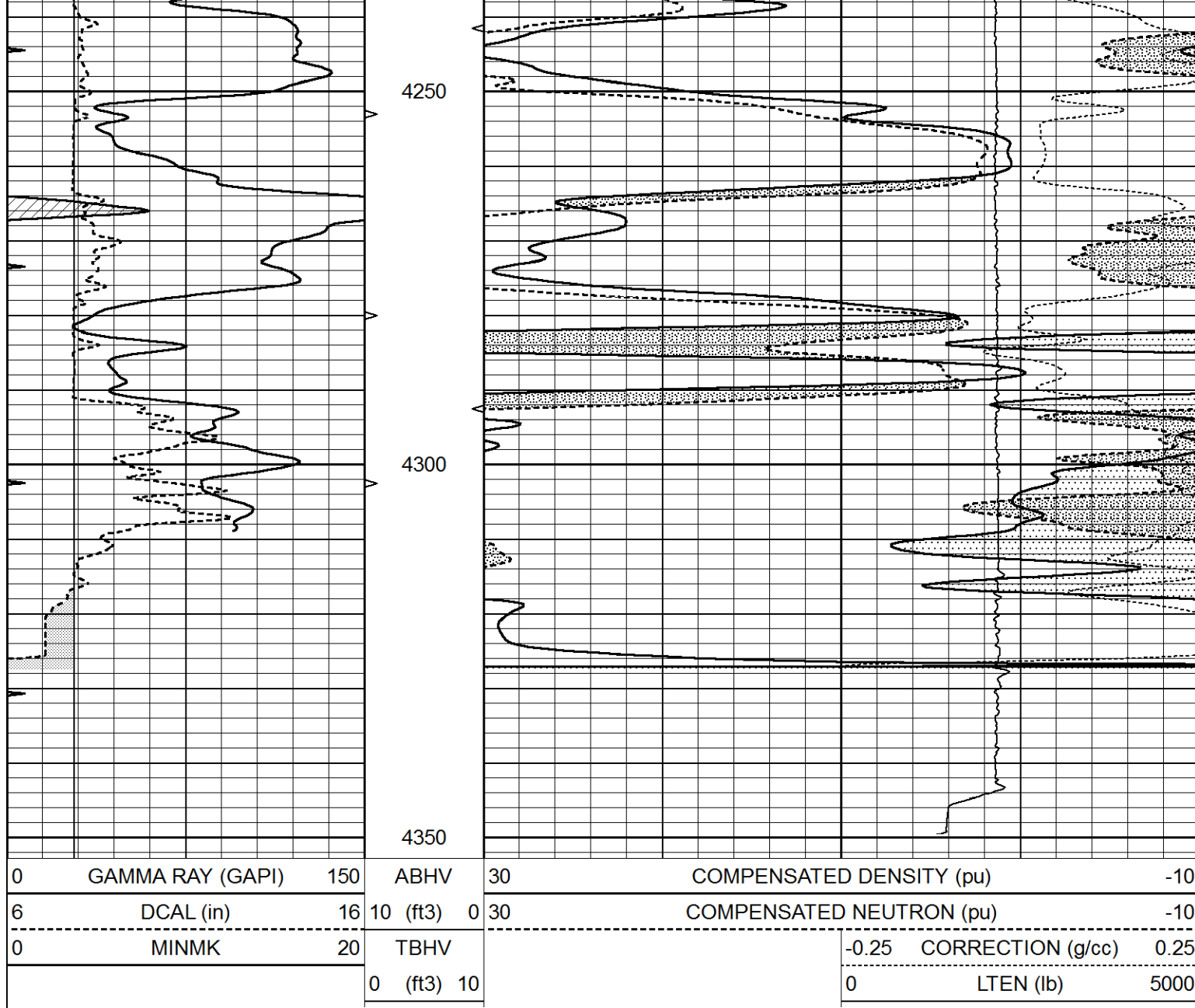




REPEAT SECTION

Database File 7314ddn.db
 Dataset Pathname pass2.1R
 Presentation Format _den_neu
 Dataset Creation Sat Aug 05 01:48:47 2023
 Charted by Depth in Feet scaled 1:240





Calibration Report								
Database File	7314ddn.db							
Dataset Pathname	pass3.1M							
Dataset Creation	Sat Aug 05 04:04:30 2023							
Dual Induction Calibration Report								
Serial-Model:			DIL7-GEAR					
Surface Cal Performed:			Sat Aug 05 01:43:07 2023					
Downhole Cal Performed:			Tue Apr 17 15:38:44 2007					
After Survey Verification Performed:			Tue Apr 17 15:38:40 2007					
Surface Calibration								
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.019	0.660	V	0.000	400.000	mmho/m	660.000	16.000
Medium	-0.006	0.655	V	0.000	462.500	mmho/m	720.000	-26.000
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								
Readings			References			Results		
Internal:	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	225.000	0.000
After Survey Verification								
Readings			Targets			Results		
Internal:	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	225.000	0.000
Litho Density Calibration Report Serial: 001 Model: PRB								
Master Calibration			Performed Tue Aug 02 14:54:49 2022					
	Background	Magnesium		Aluminum		Aluminum+Fe		
Window 1	1540.1	9840.1		3279.8		3001.8		cps
Window 2	1435.6	8495.4		2920.3		2720.3		cps
Window 3	1167.4	4527.9		1868.6		1810.1		cps
Window 4	344.6	343.5		346.7		342.3		cps
Long Space	0.0	7059.8		1484.8		1284.7		cps
Short Space	3.3	2502.7		1618.3		1368.5		cps
Rho		1.7100		2.5900		0.0000		g/cc
Pe		2.0000		2.7500		5.7900		
Rib Angle	: 44.4	Rib Slope	: 0.979	Density/Spine Ratio			: 0.544	
Spine Angle	: 74.4	Spine Slope	: 3.576	Spine Intercept			: -19.1	
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 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:	Tue Aug 01 12:36:48 2023			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	0.3000	GAPI/cps		