



COMPENSATED DENSITY / NEUTRON PE LOG

Company QUAIL OIL & GAS

Well #1-31 KELLER

Field WILDCAT

County BARBER State KANSAS

Location: API #: 15-007-24441-0000

1845' FSL & 445' FWL

SEC 31 TWP 30S RGE 12W

Permanent Datum GROUND LEVEL Elevation 1829
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC/FF

Elevation

K.B. 1841
D.F. 1839
G.L. 1829

Date 10/7/22

Run Number ONE

Depth Driller 4844

Depth Logger 4846

Bottom Logged Interval 4822

Top Log Interval 2000

Casing Driller 8 5/8" @ 311'

Casing Logger 311

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD CHLORIDES 5,500 PPM

Density / Viscosity 9.3/57

pH / Fluid Loss 10.5/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .800 @ 75F

Rmf @ Meas. Temp .600 @ 75F

Rmc @ Meas. Temp .960 @ 75F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .484 @ 124F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 1:15 P.M.

Maximum Recorded Temperature 124F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By DAVE BARKER

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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.

15-007-24441-0000

Comments

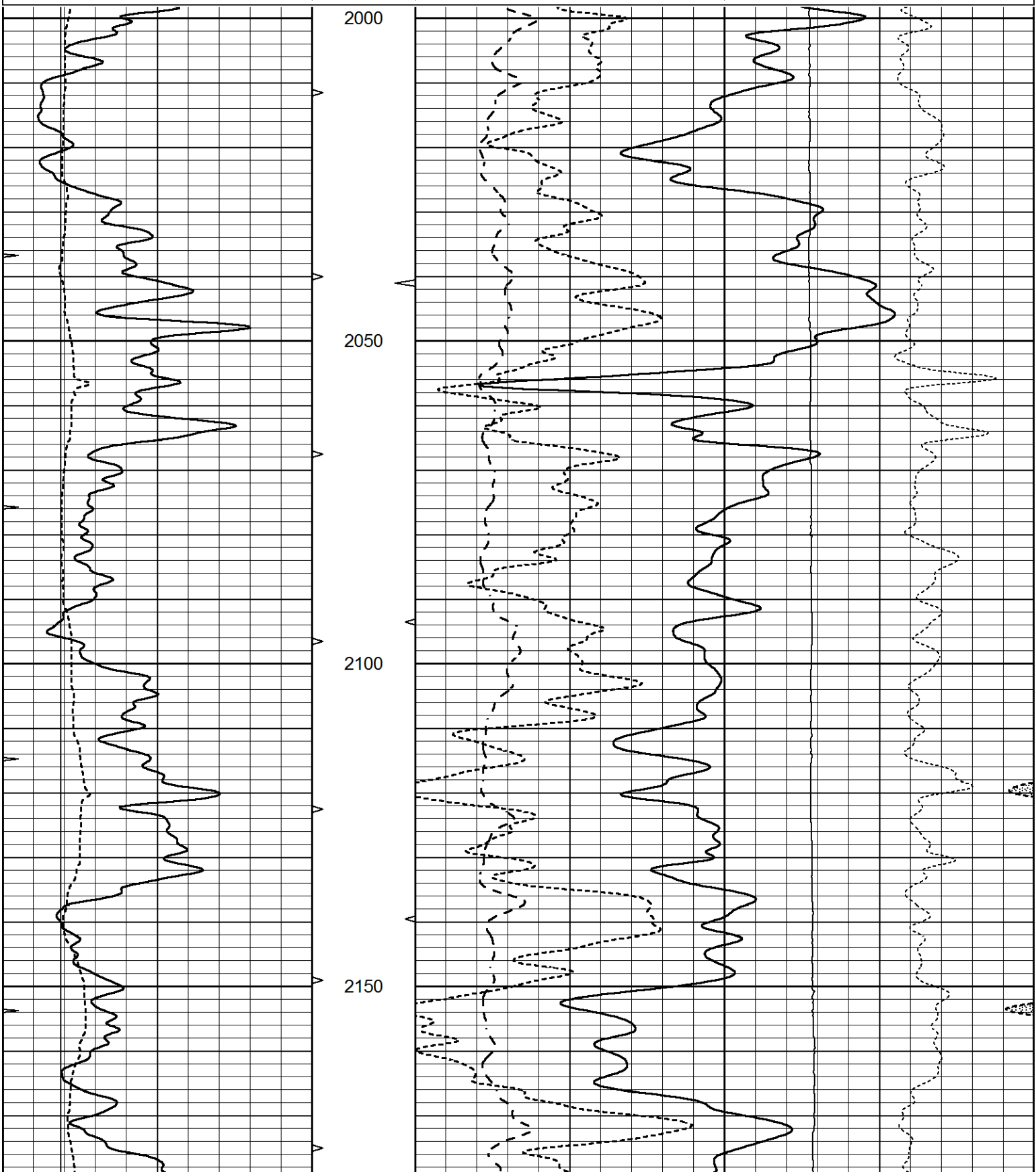
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
SAWYER, KS., 5S. ON HWY 281 TO "ELM MILLS RD.", 1W. TO "MINGONA RD.", 2S., 1E. ALONG
FENCELINE, VEER SOUTH AND TAKE RIGHT FORK

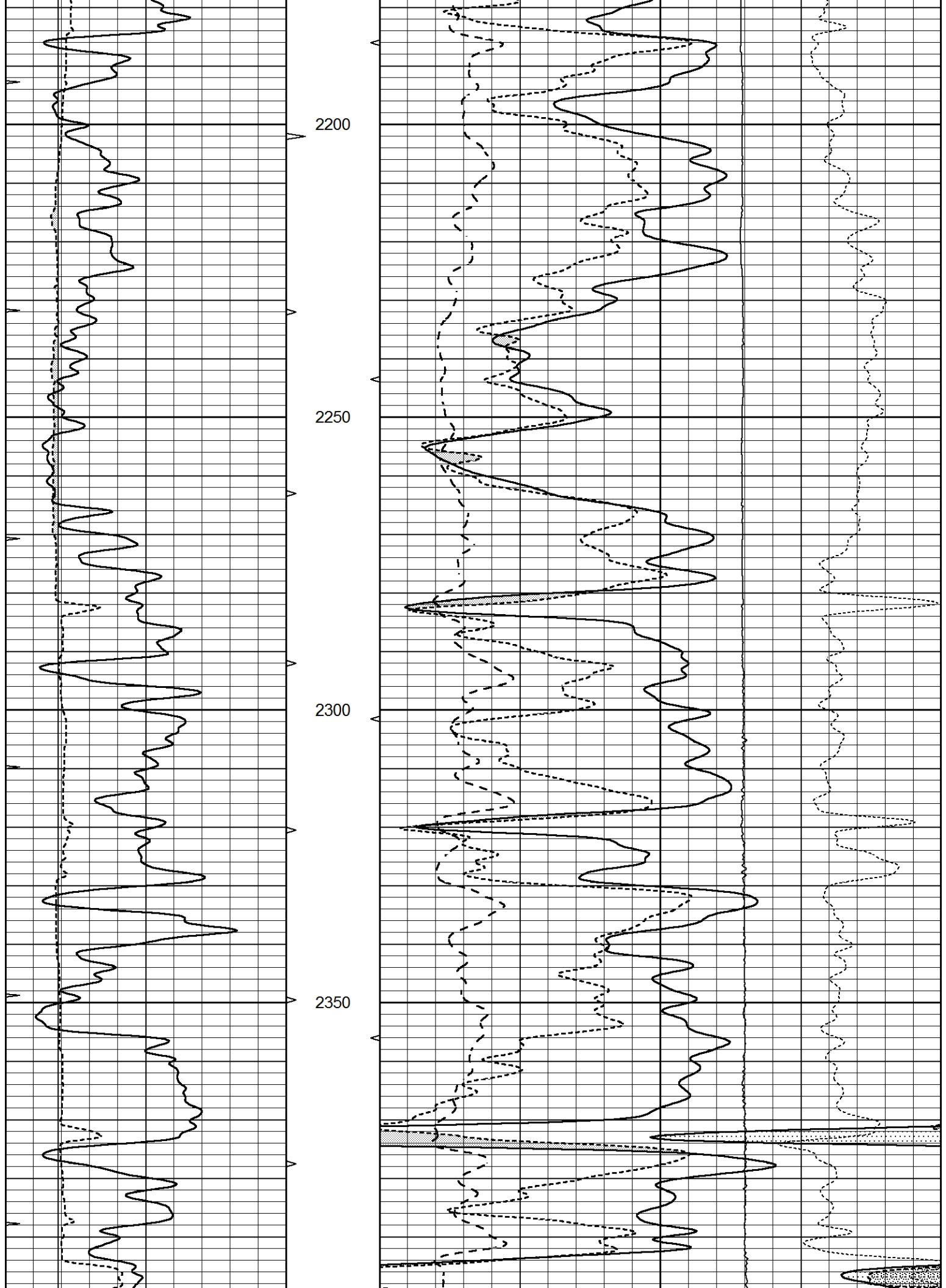


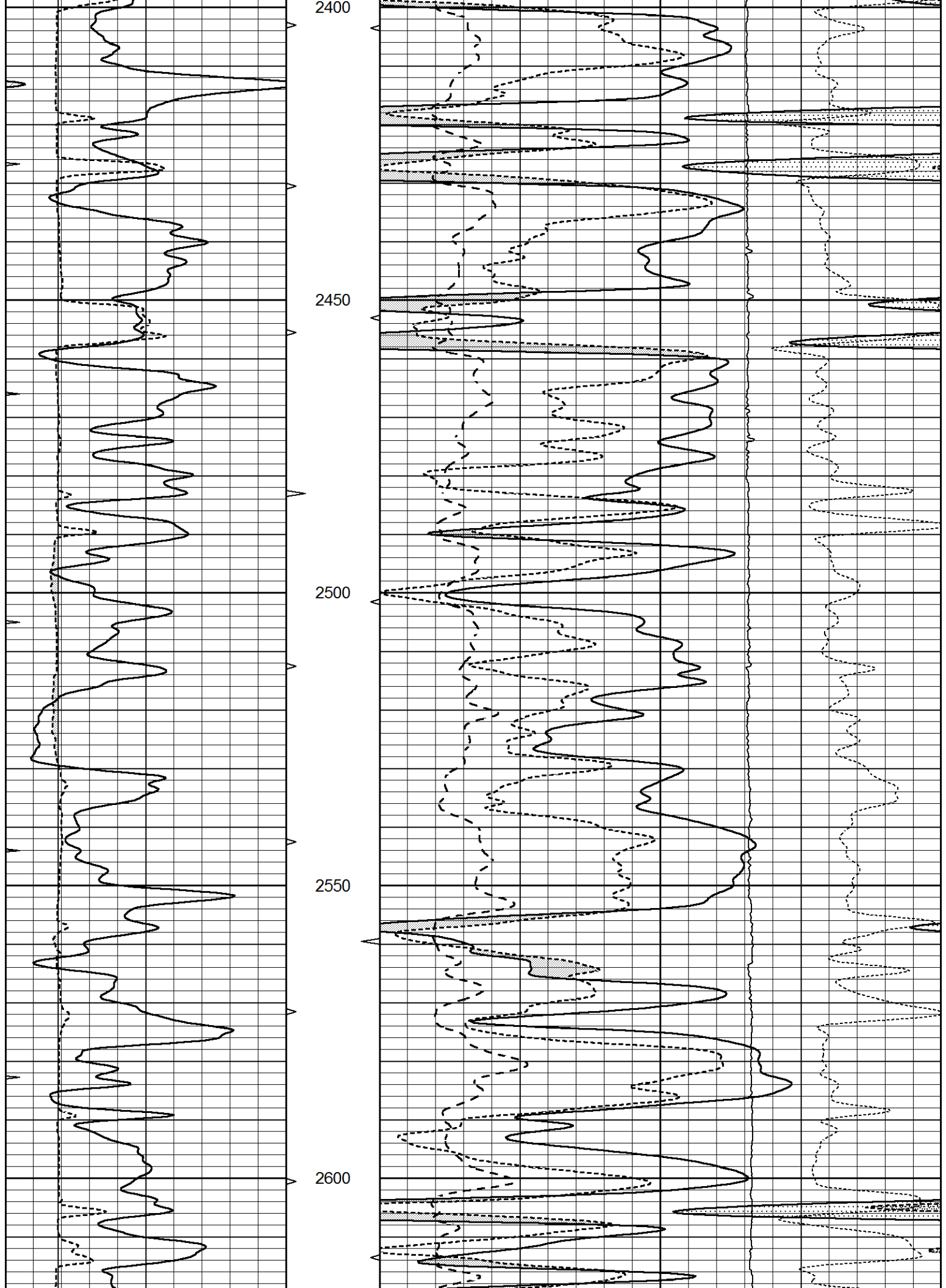
MAIN SECTION

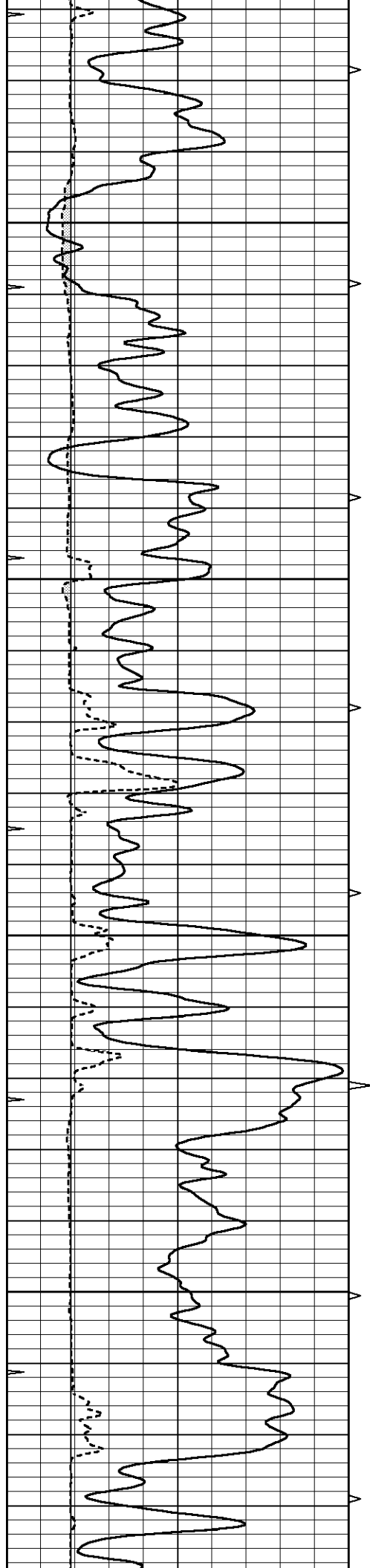
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Dataset Pathname	pass3.2M
Presentation Format	ldt_neu
Dataset Creation	Fri Oct 07 16:06:32 2022
Charted by	Depth in Feet scaled 1:240

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	







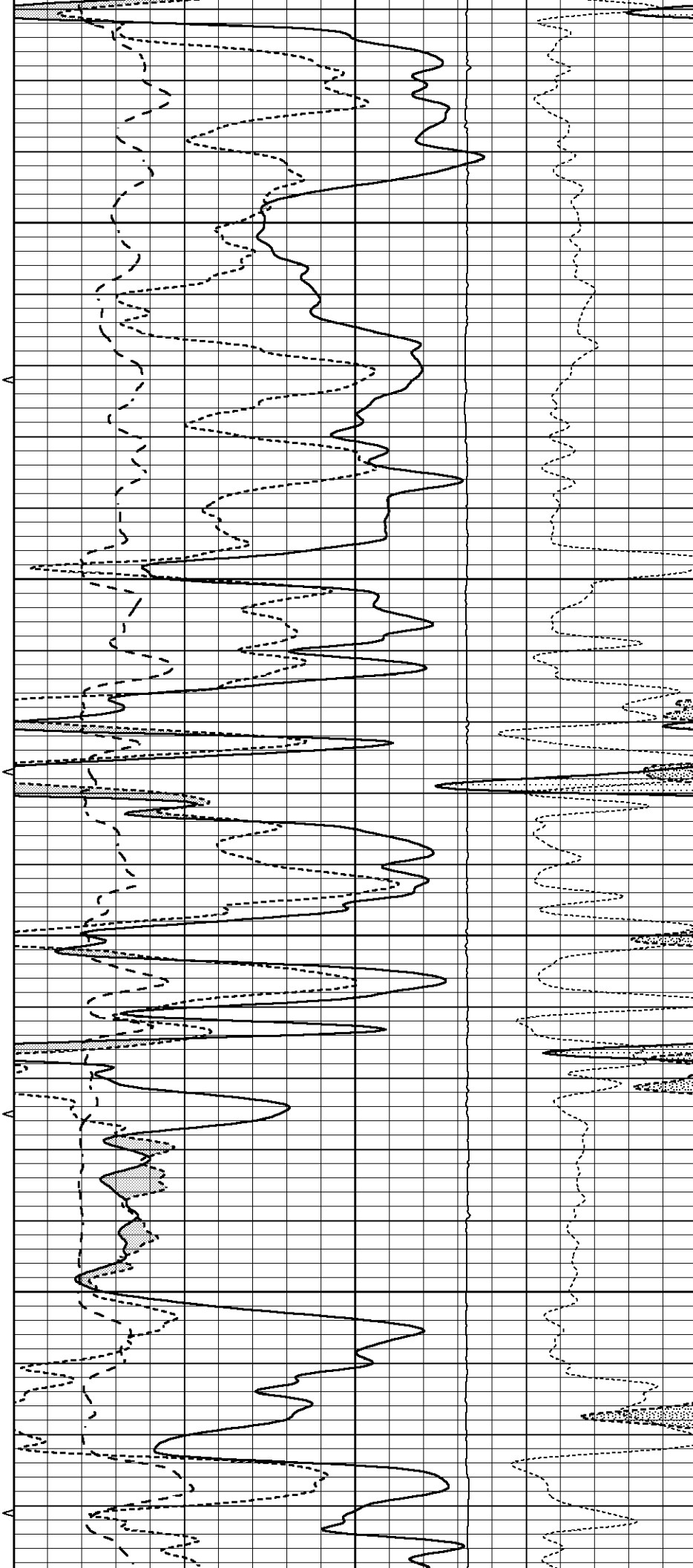


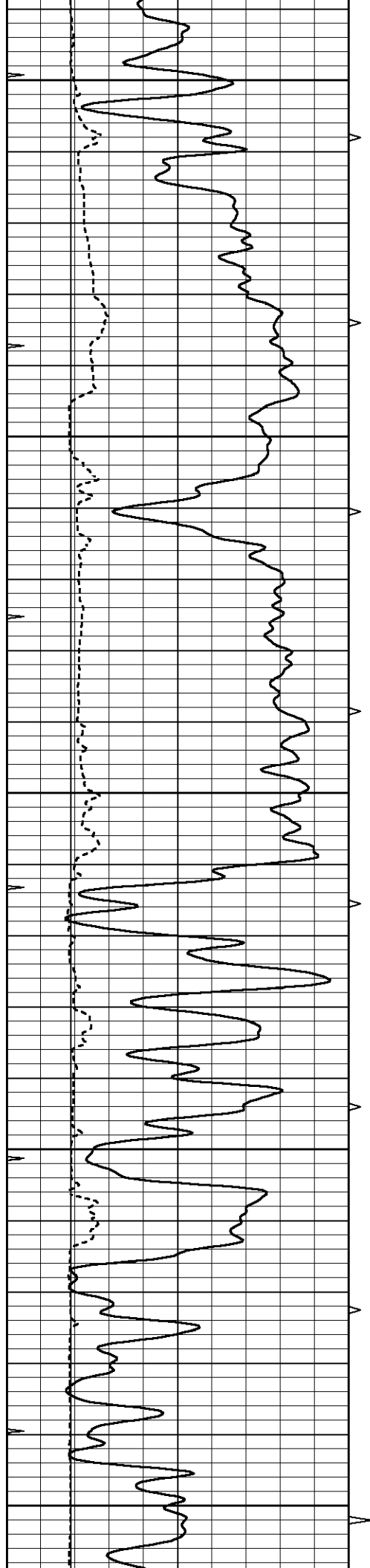
2650

2700

2750

2800





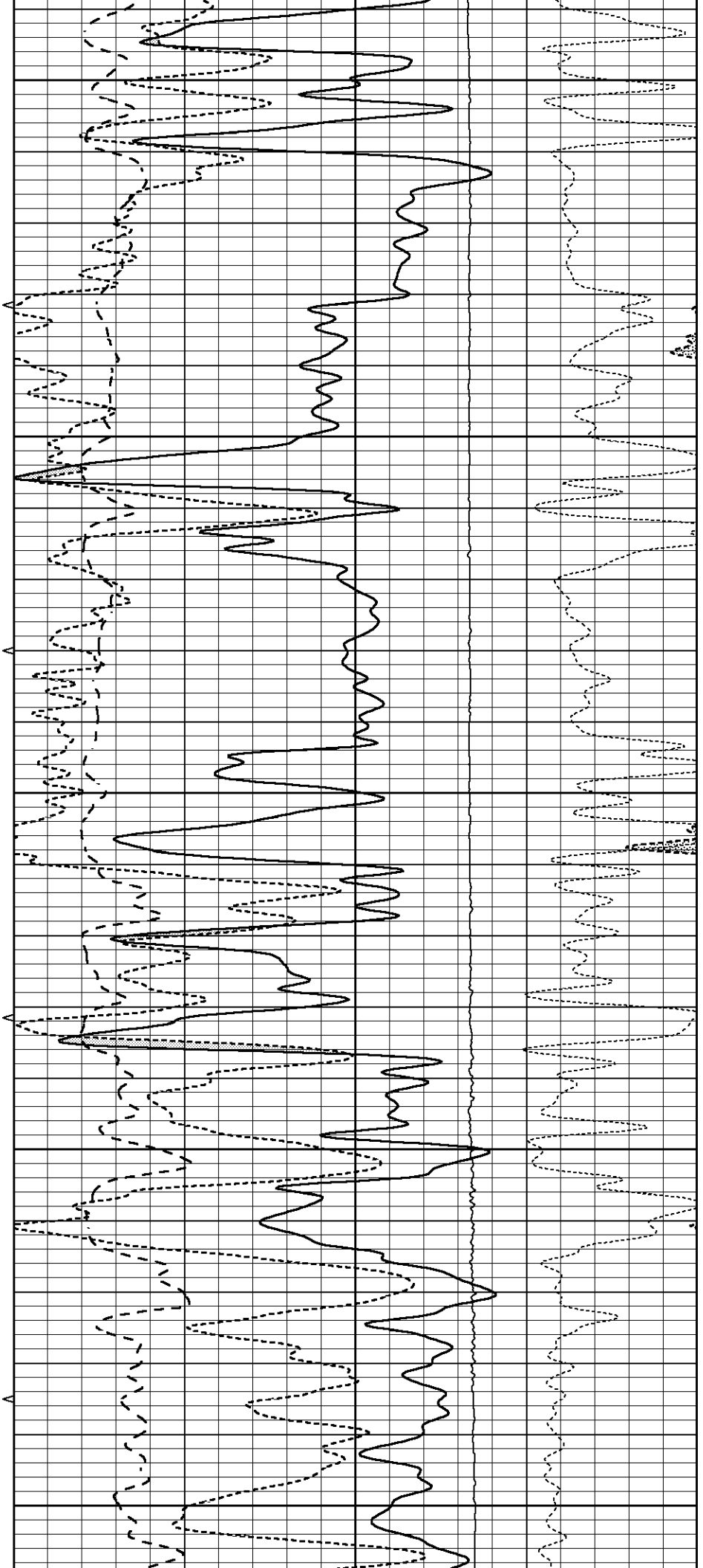
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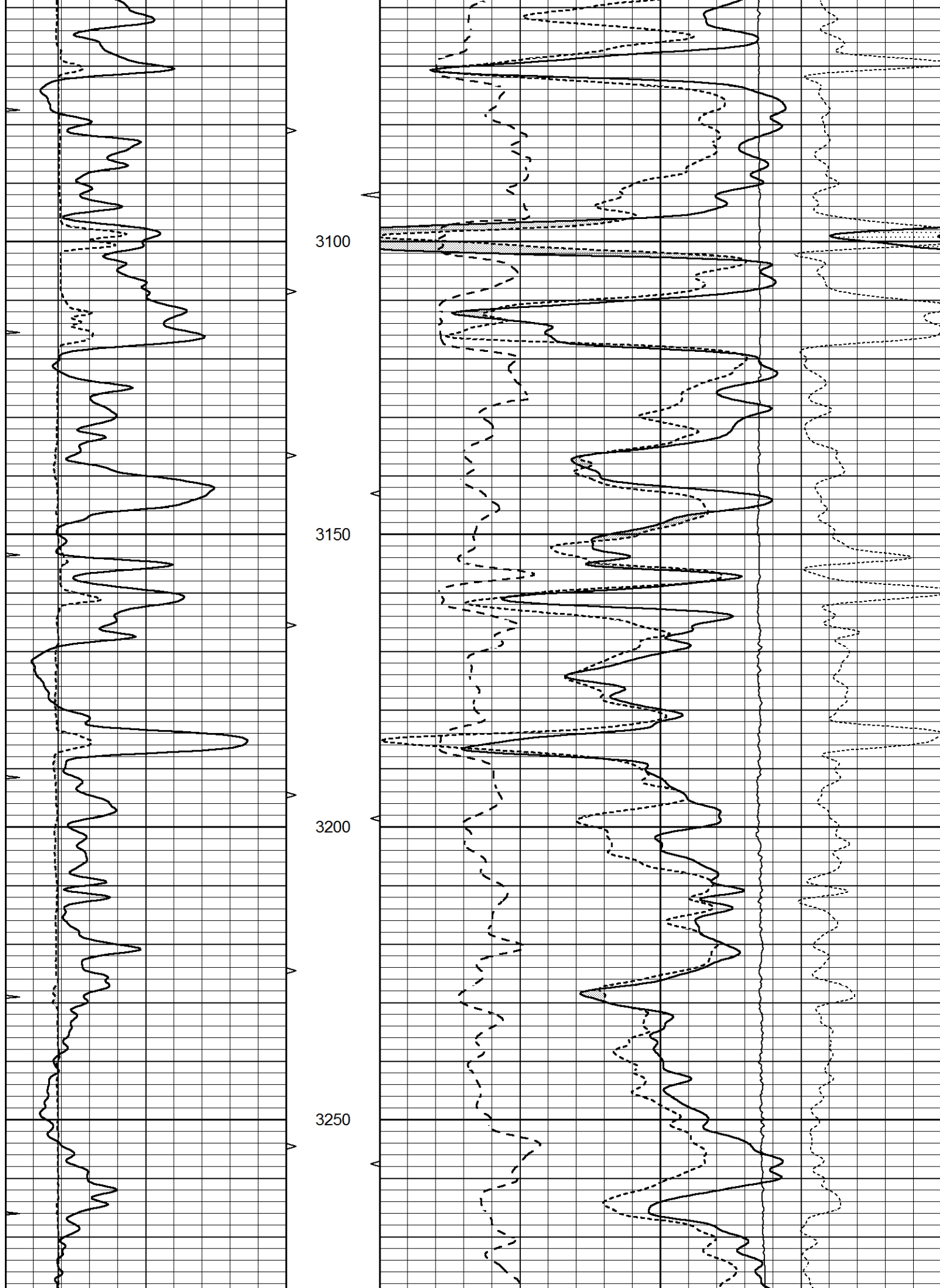
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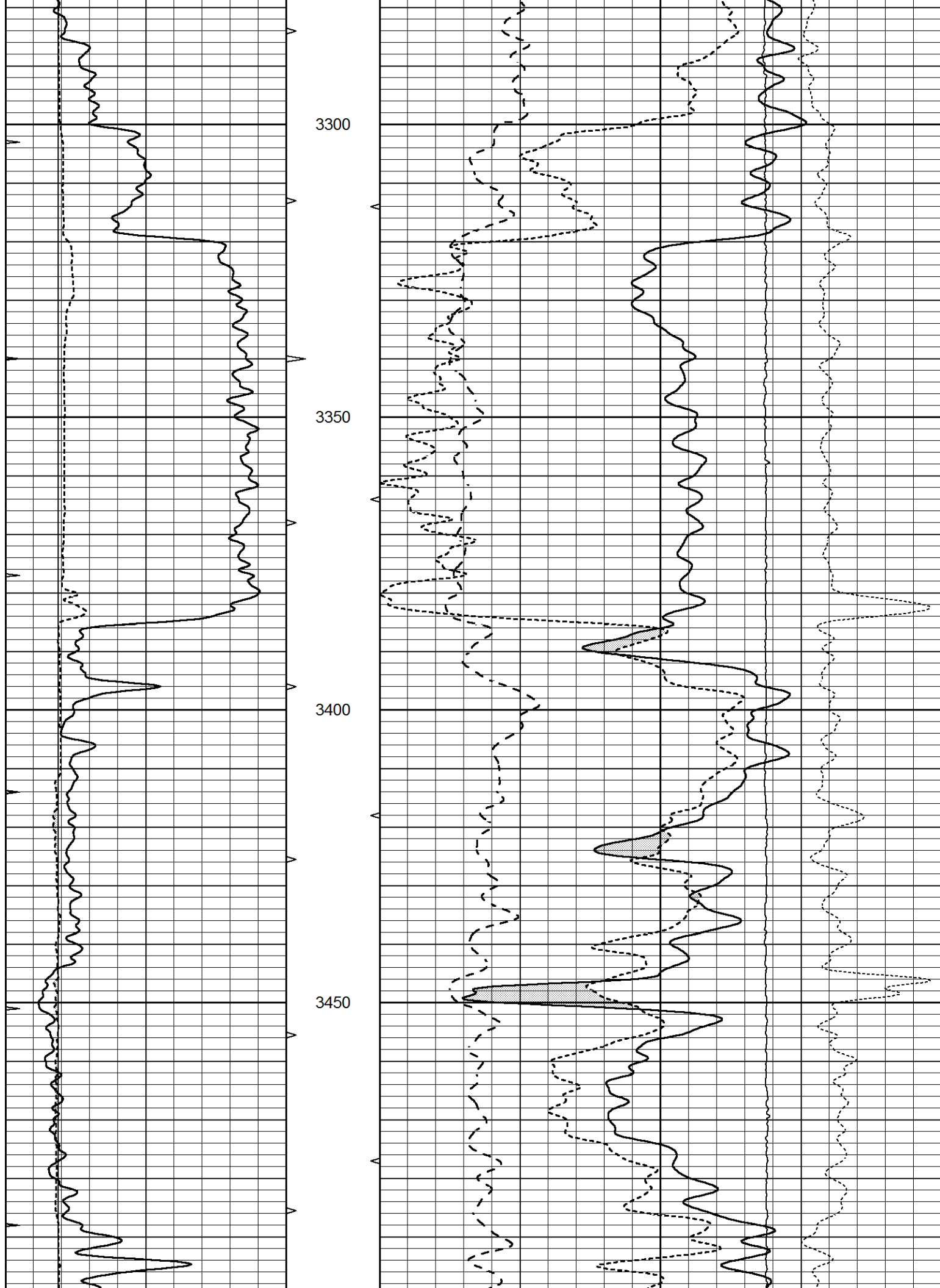
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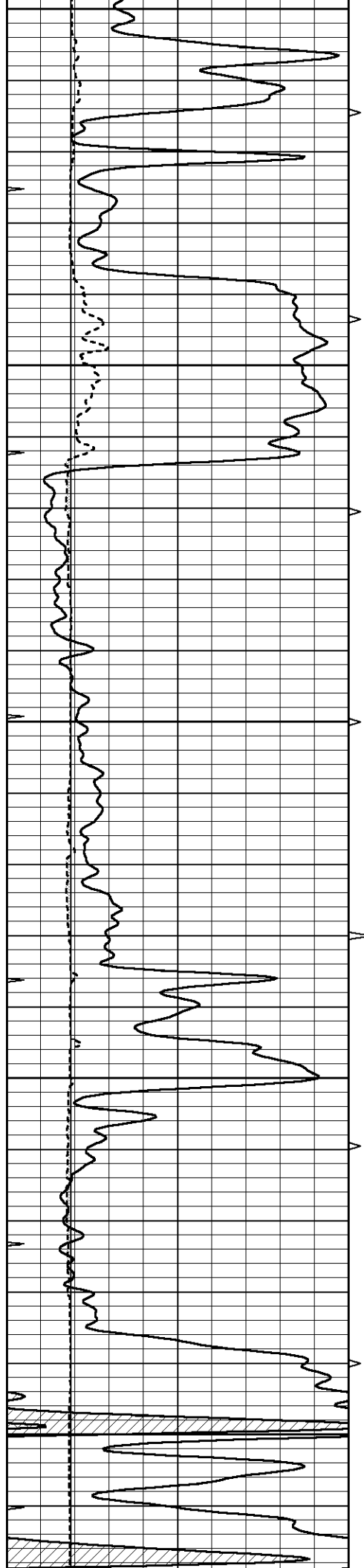
3000

3050









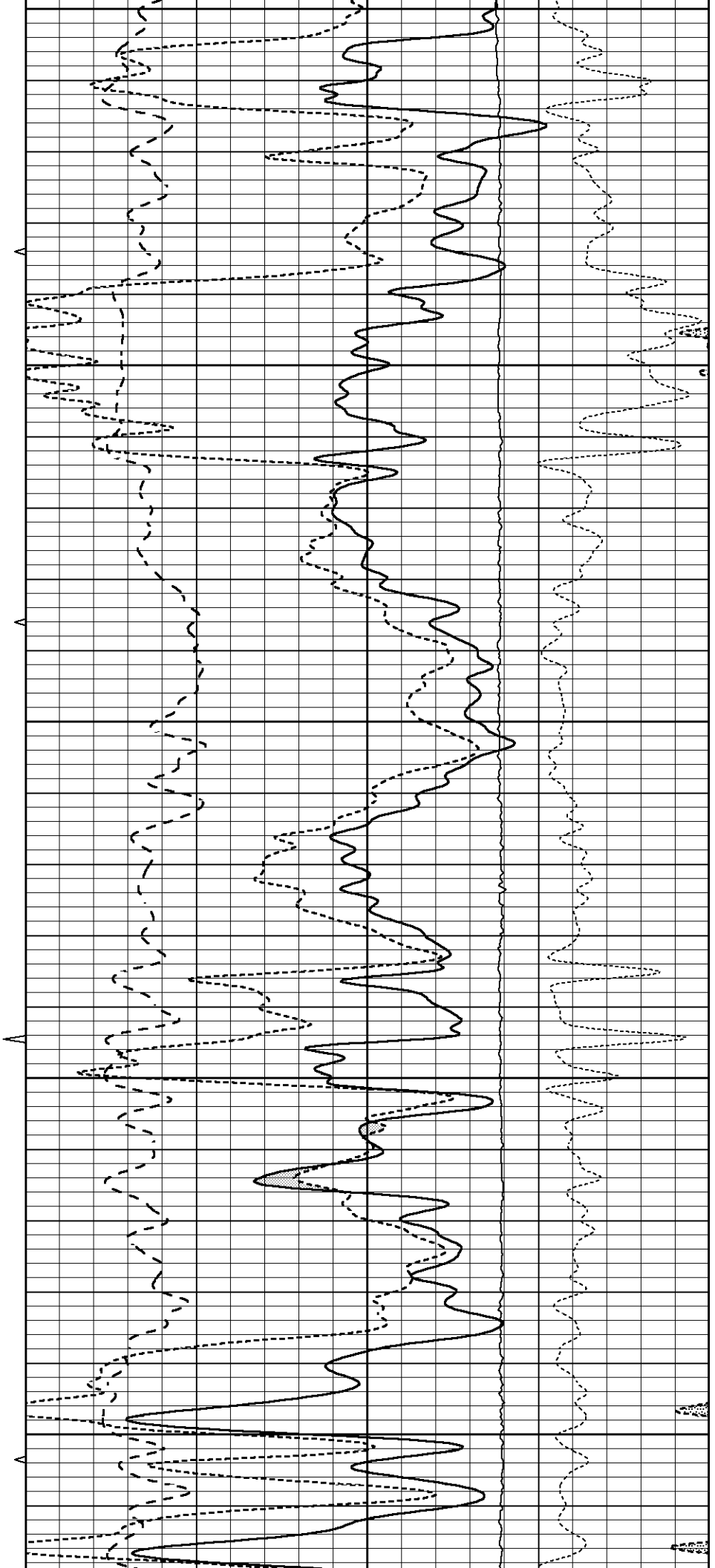
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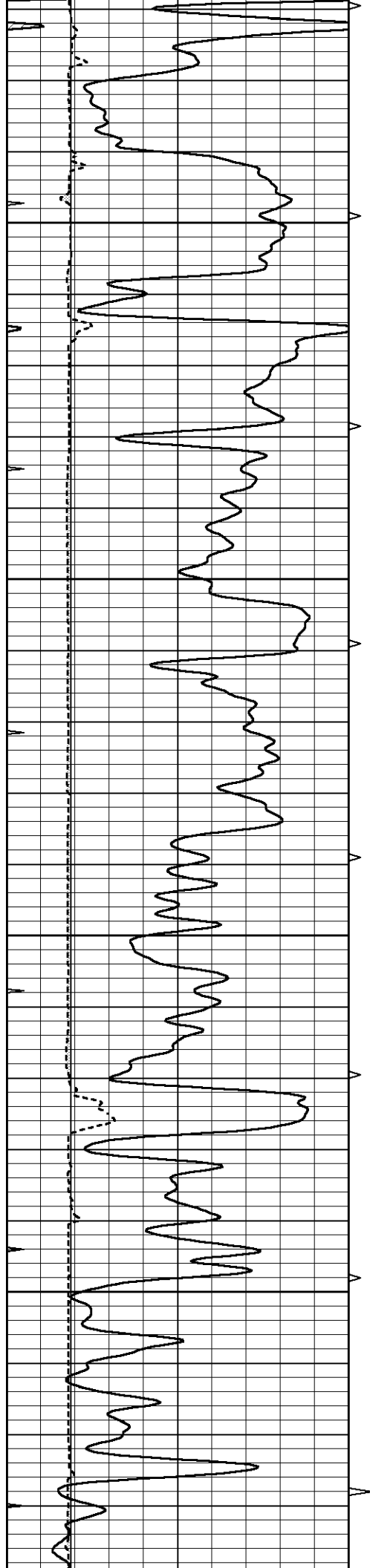
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3600

3650

3700



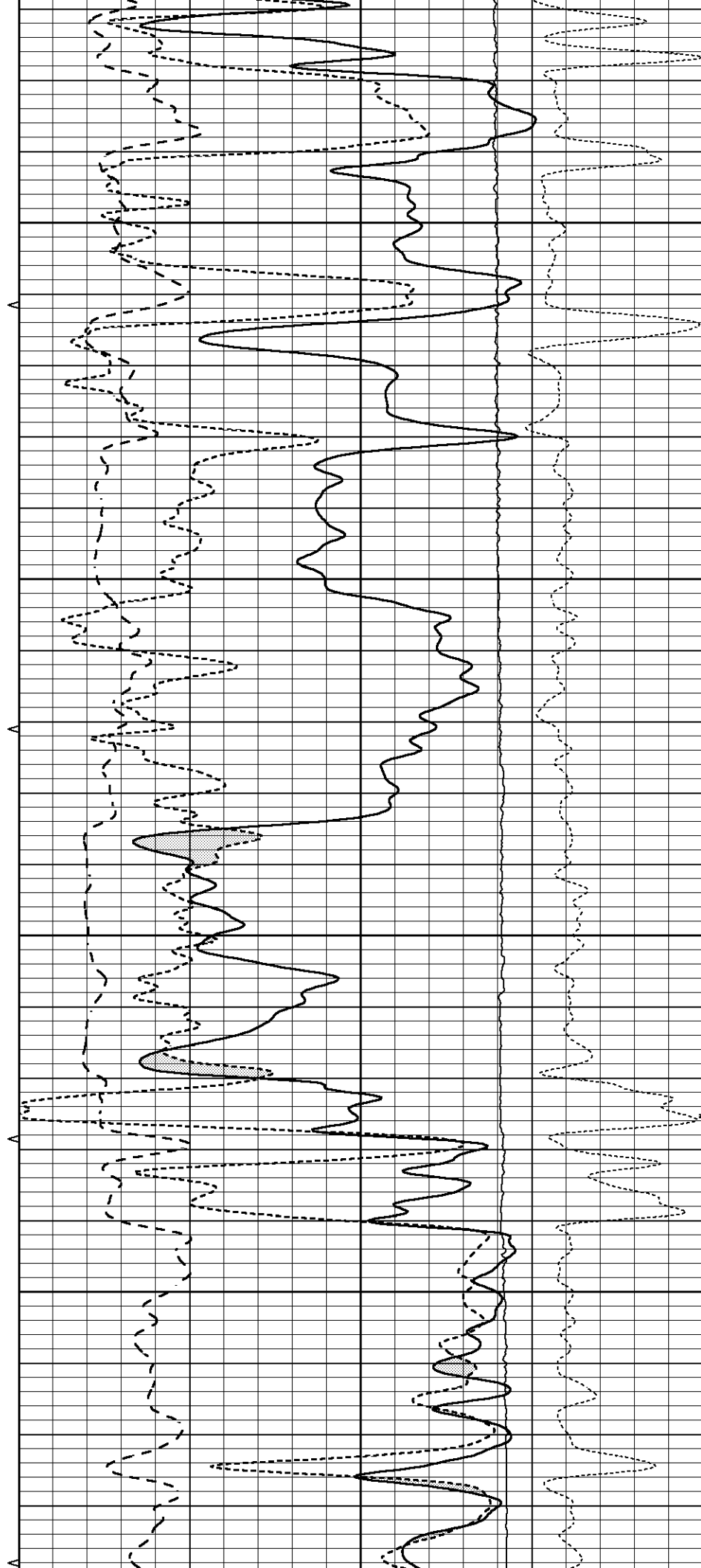


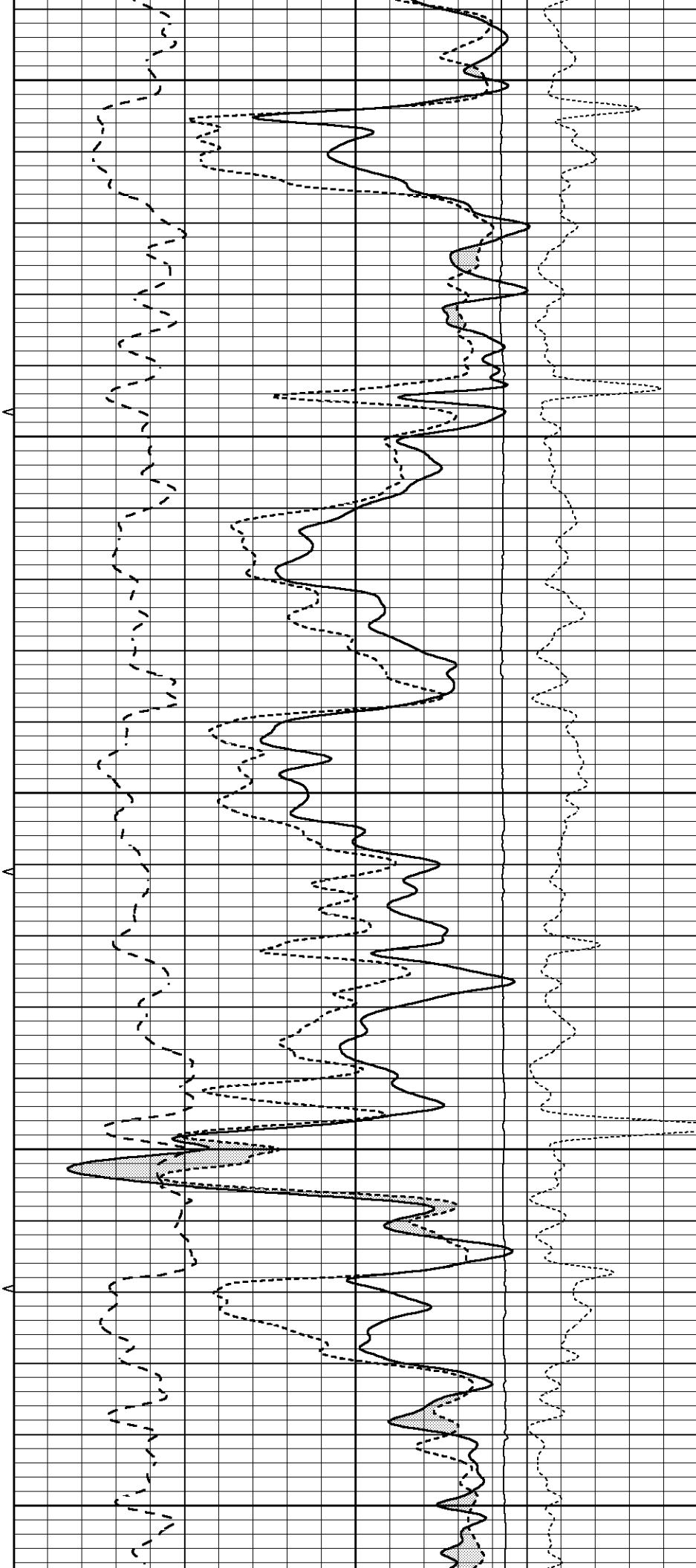
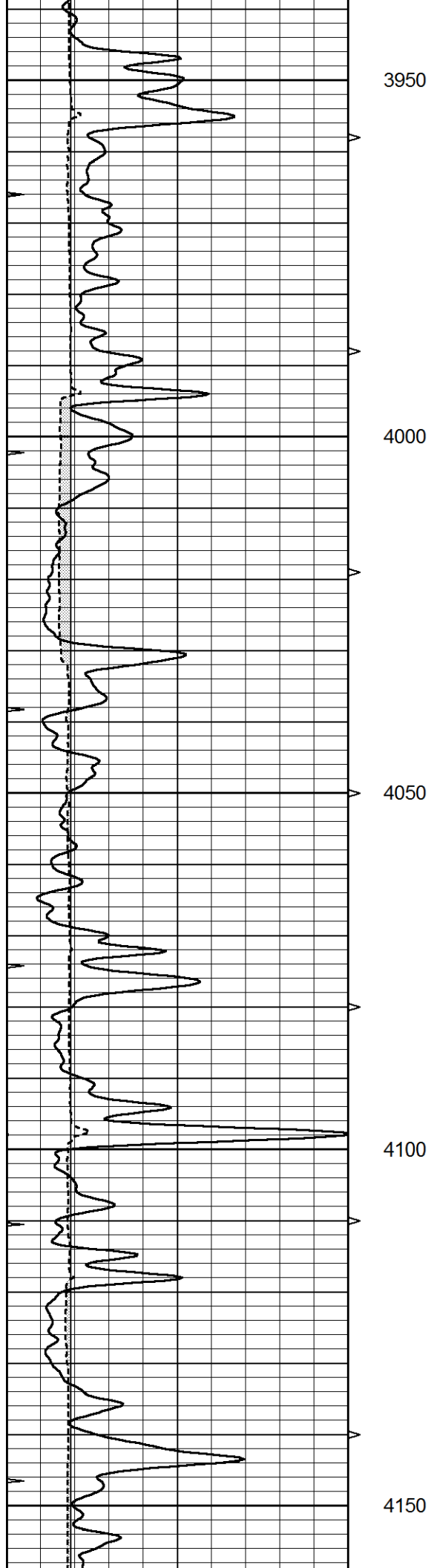
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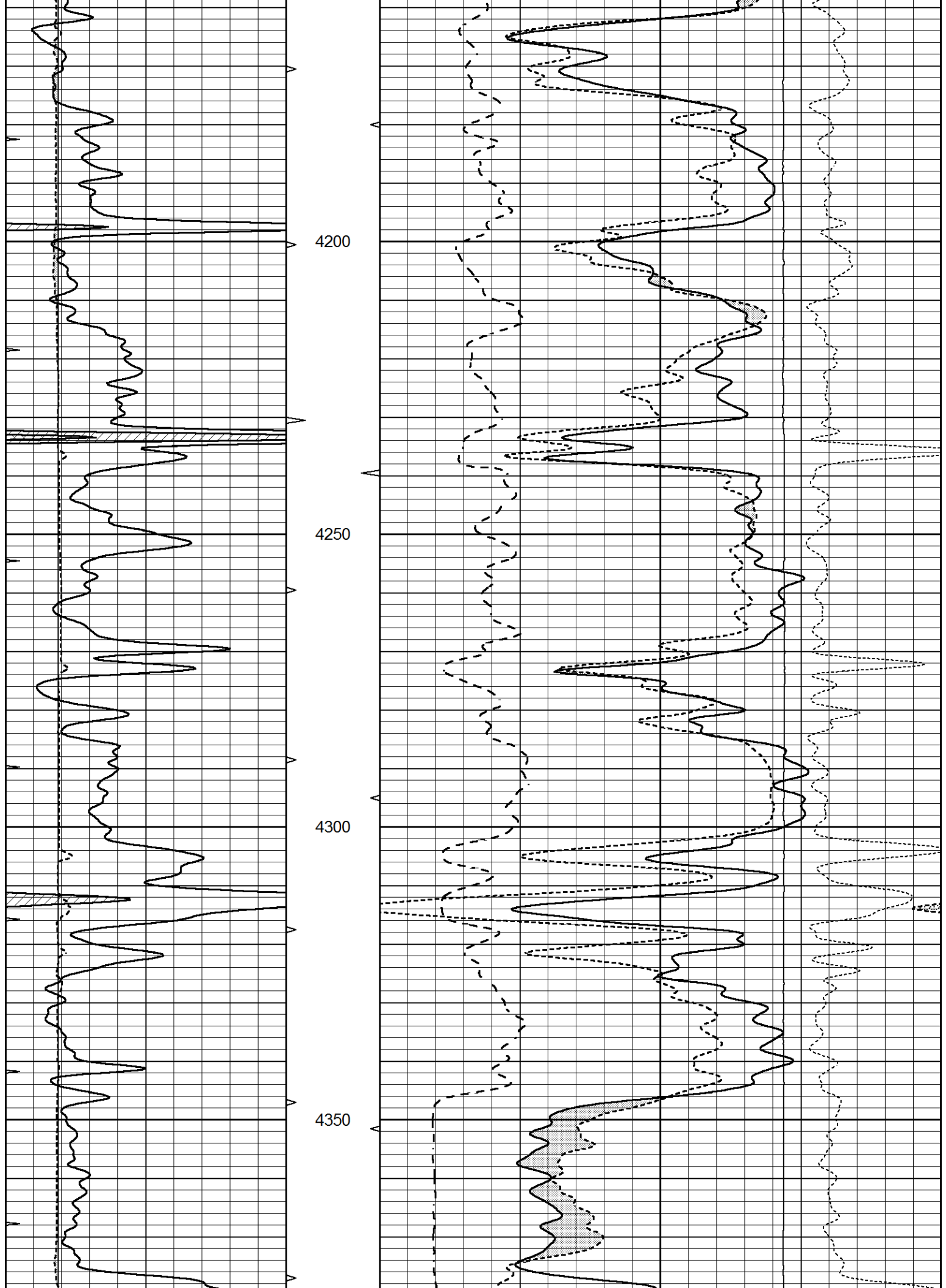
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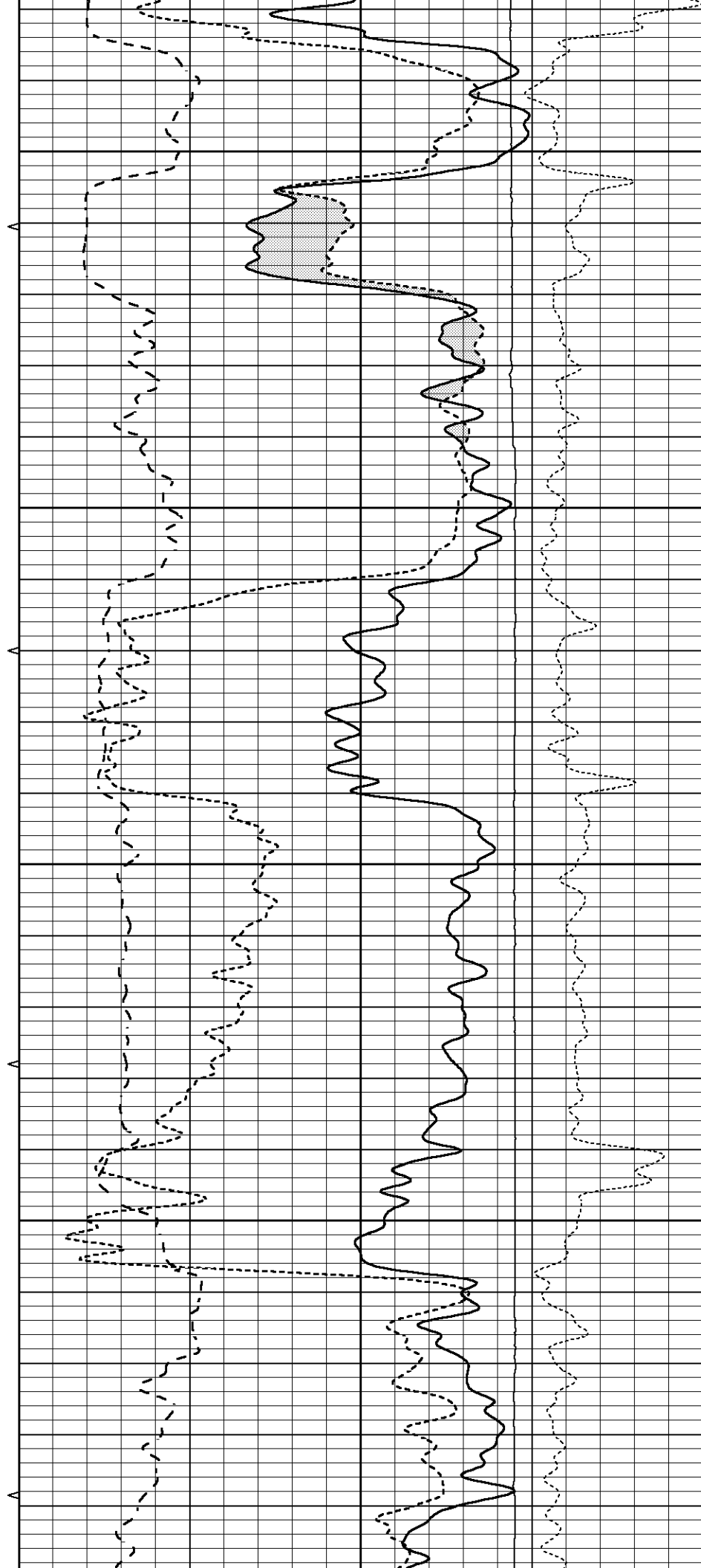
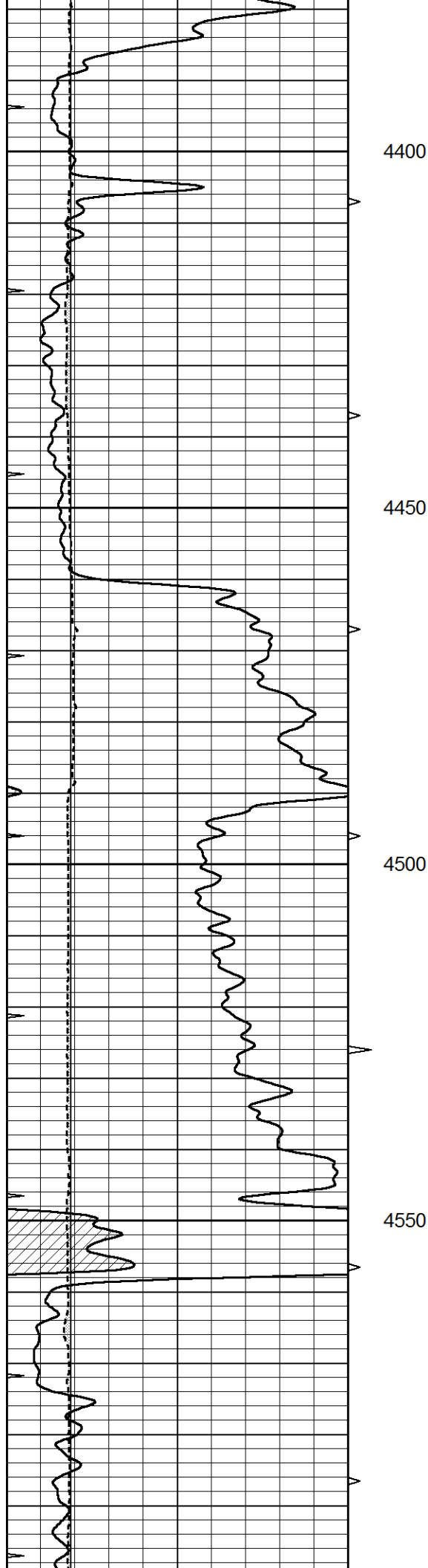
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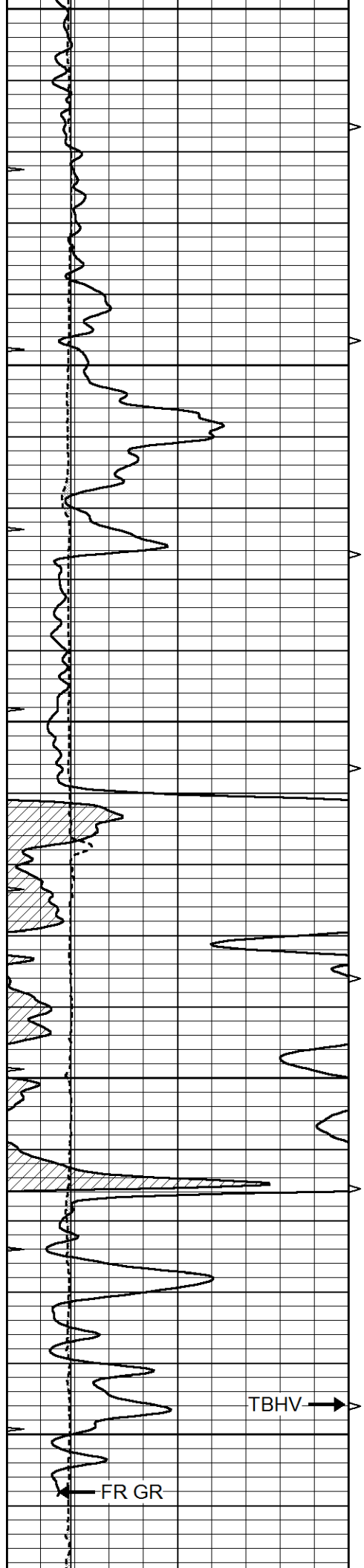
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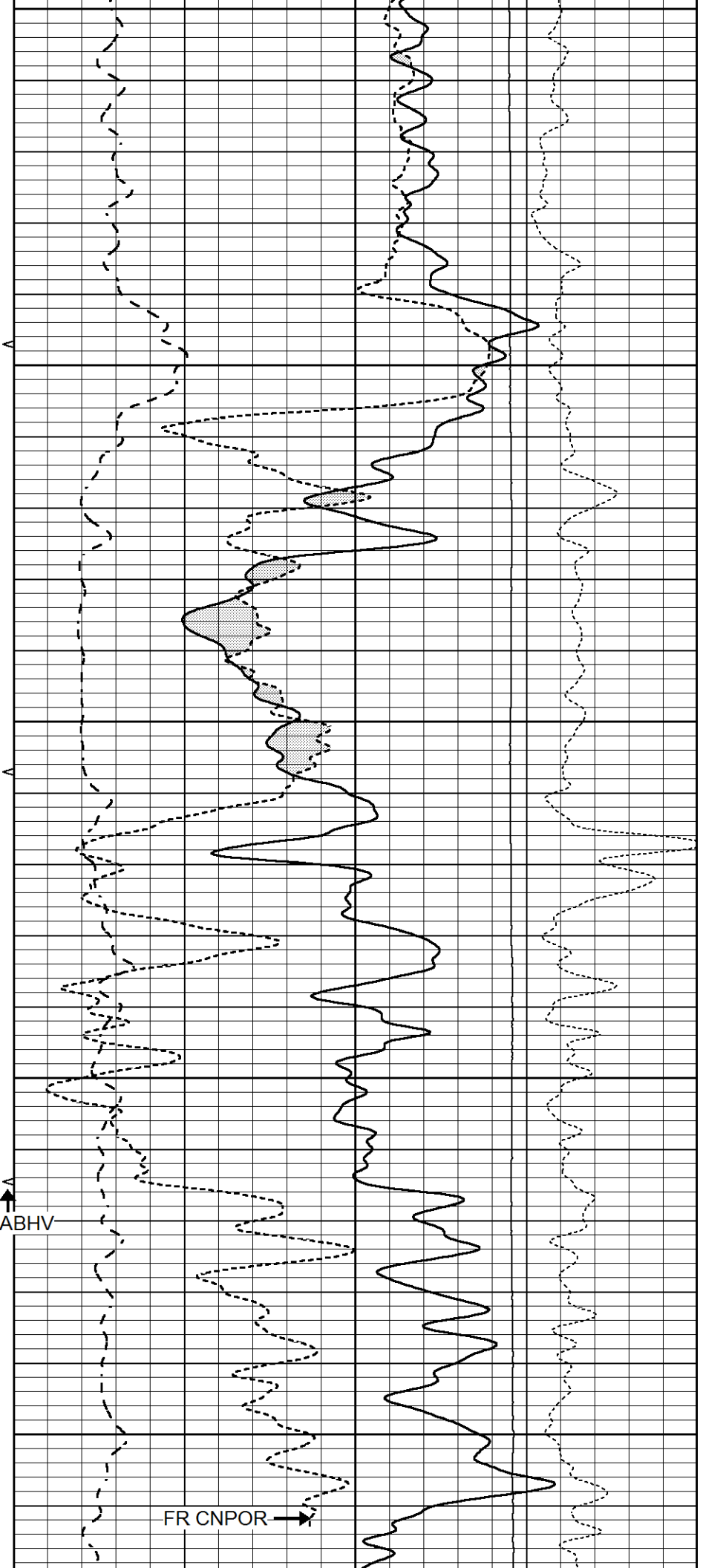




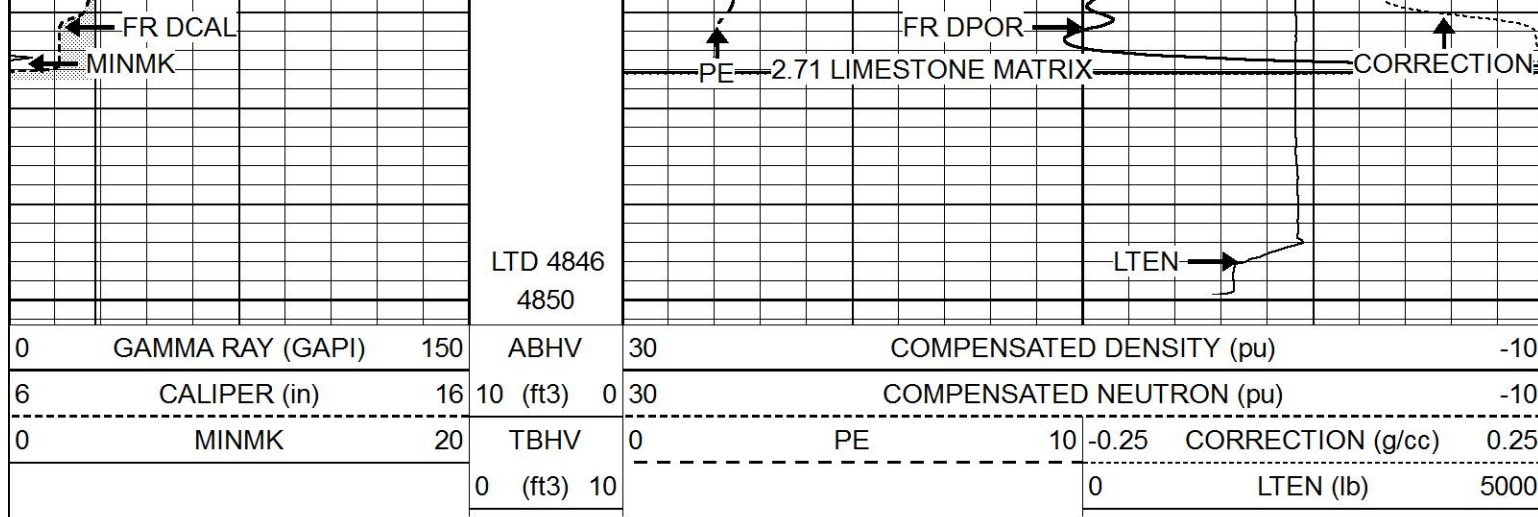


4600
4650
4700
4750
4800

5.5" ABHV



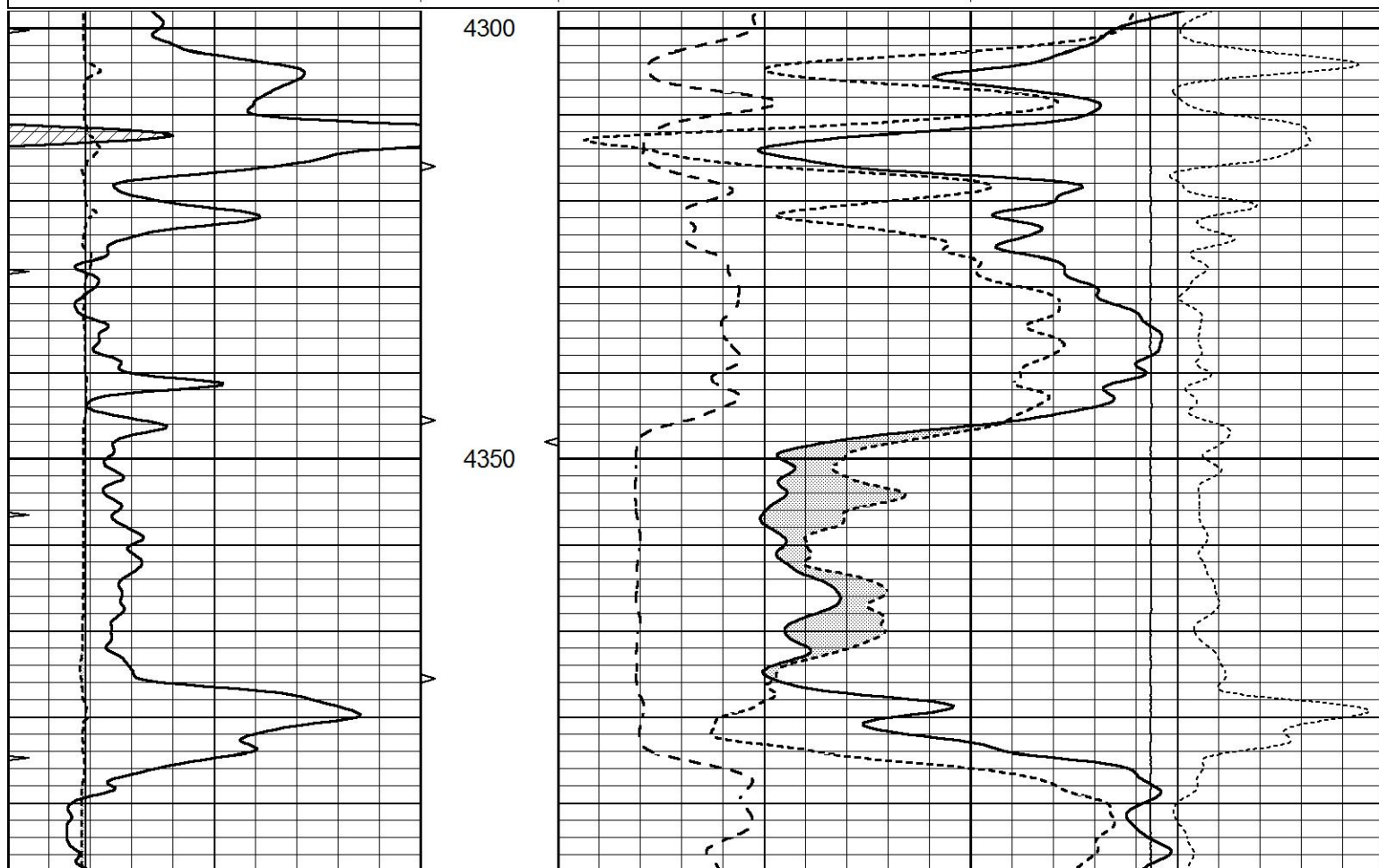
FR CNPOR

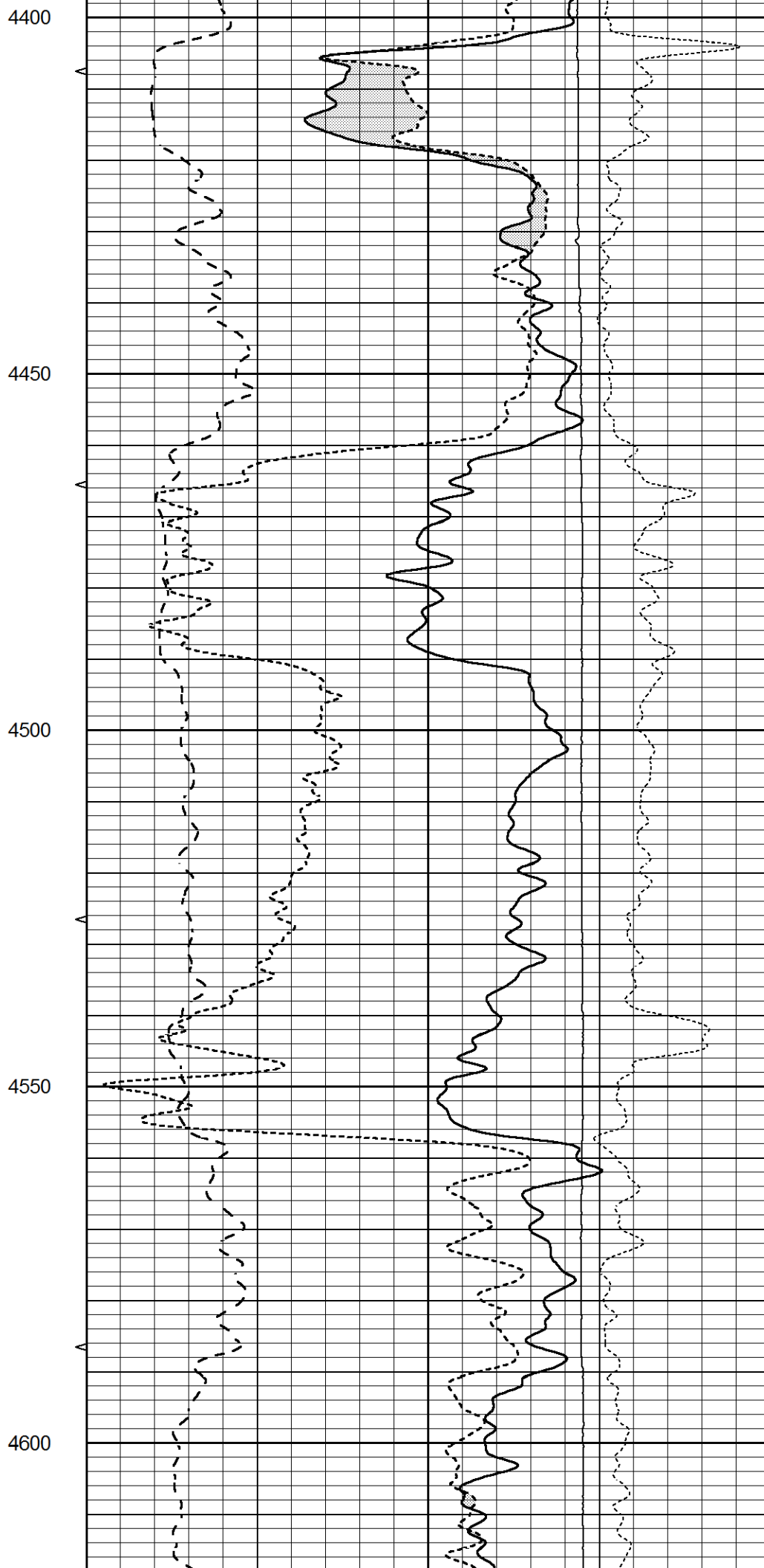
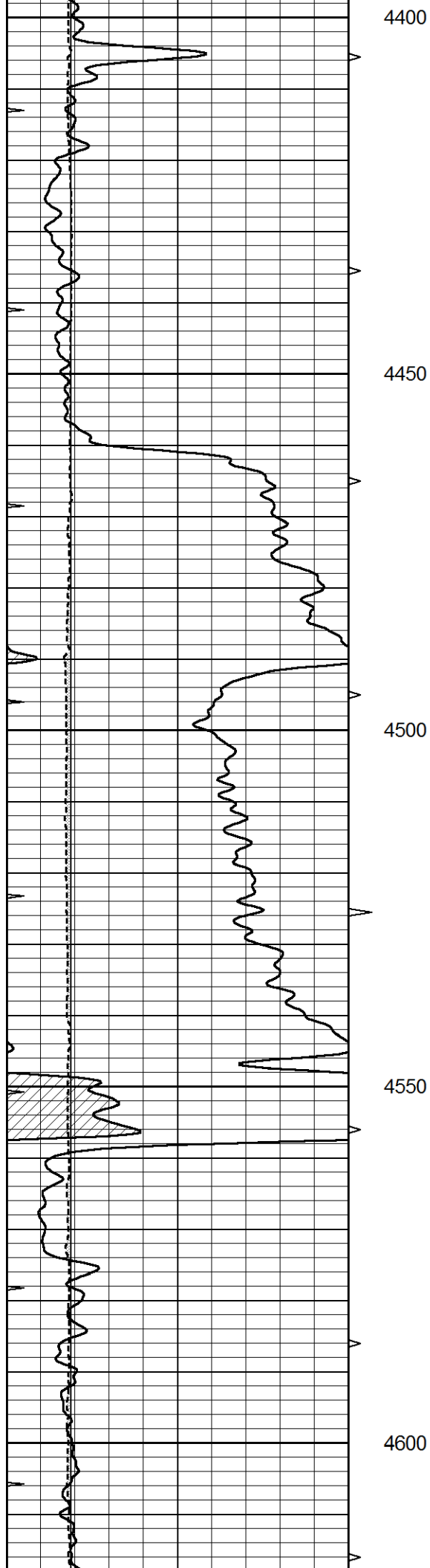


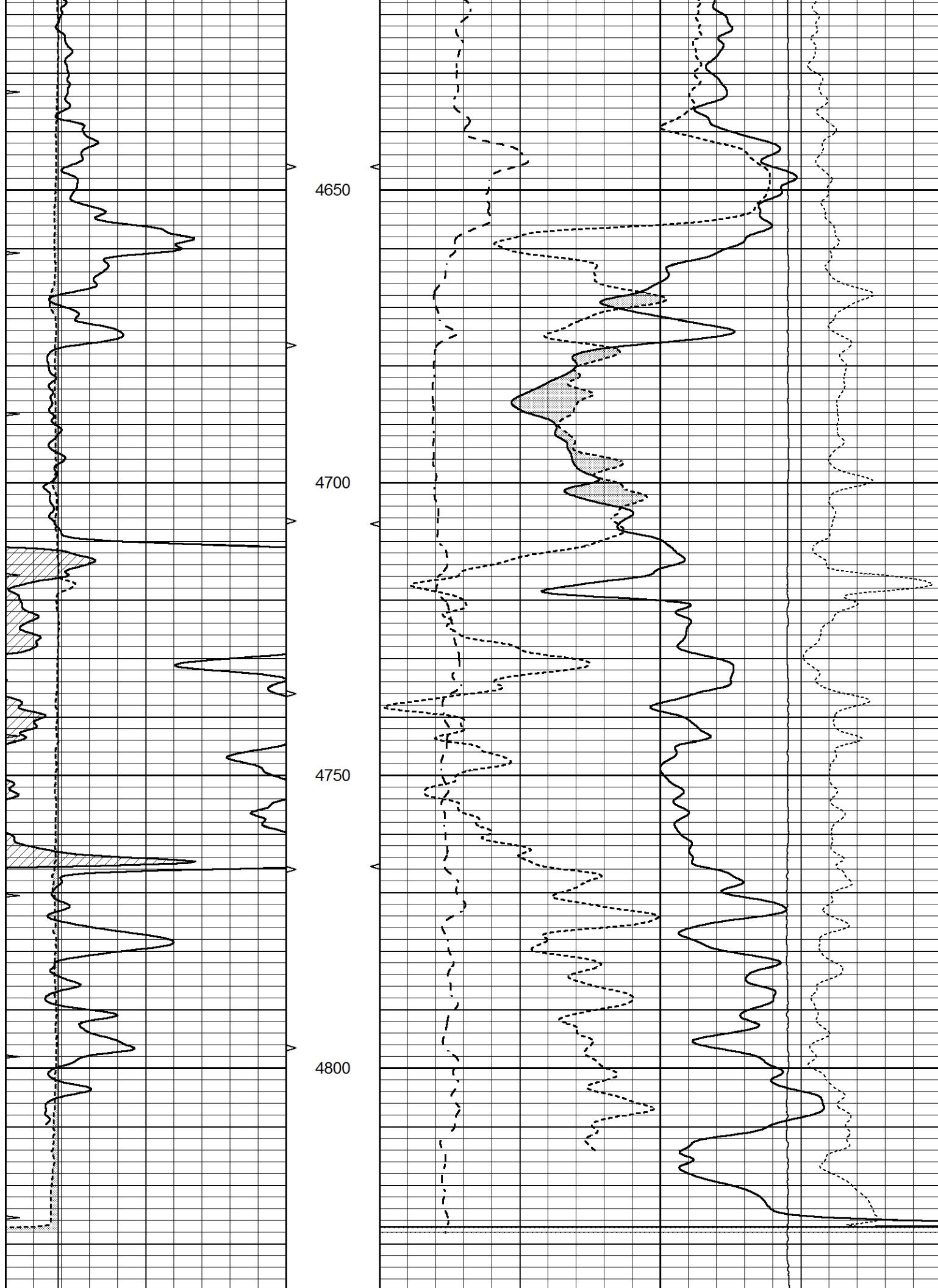
REPEAT SECTION

Database File 7089pe.db
 Dataset Pathname pass2.1R
 Presentation Format ldt_neu
 Dataset Creation Fri Oct 07 16:14:45 2022
 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







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 Pe			0.0000	0.0000	

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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 Sep 28 11:42:18 2022
Calibrator Value:	1.0
	GAPI

Background Reading:

0.0

cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.3000

GAPI/cps