

**COMPENSATED
DENSITY/NEUTRON
PE LOG**

Company SHELBY RESOURCES, LLC.
Well KERR MINERALS #1-17
Field STELZER SOUTHEAST
County PRATT **State** KANSAS

Location: API #: 15-151-22580-0000
 1639' FSL & 2156' FEL
 SE - SW - NW - SE
 SEC 17 TWP 29S RGE 14W
Permanent Datum GROUND LEVEL **Elevation** 2010
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
 DILMEL
 SONIC
Elevation
 K.B. 2022
 D.F. 2020
 G.L. 2010

Date	11/19/23
Run Number	ONE
Depth Driller	4825
Depth Logger	4826
Bottom Logged Interval	4802
Top Log Interval	3000
Casing Driller	8.625@907
Casing Logger	907
Bit Size	7.785
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/62
pH / Fluid Loss	10.0/8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.950@68F
Rmf @ Meas. Temp	.713@68F
Rmc @ Meas. Temp	1.14@68F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.525@123F
Time Circulation Stopped	2.5 HOURS
Time Logger on Bottom	11:30 A.M.
Maximum Recorded Temperature	123F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	JEREMY SCHWARTZ
	JEREMY PASEK

<<< 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.

15-151-22580-0000 Comments

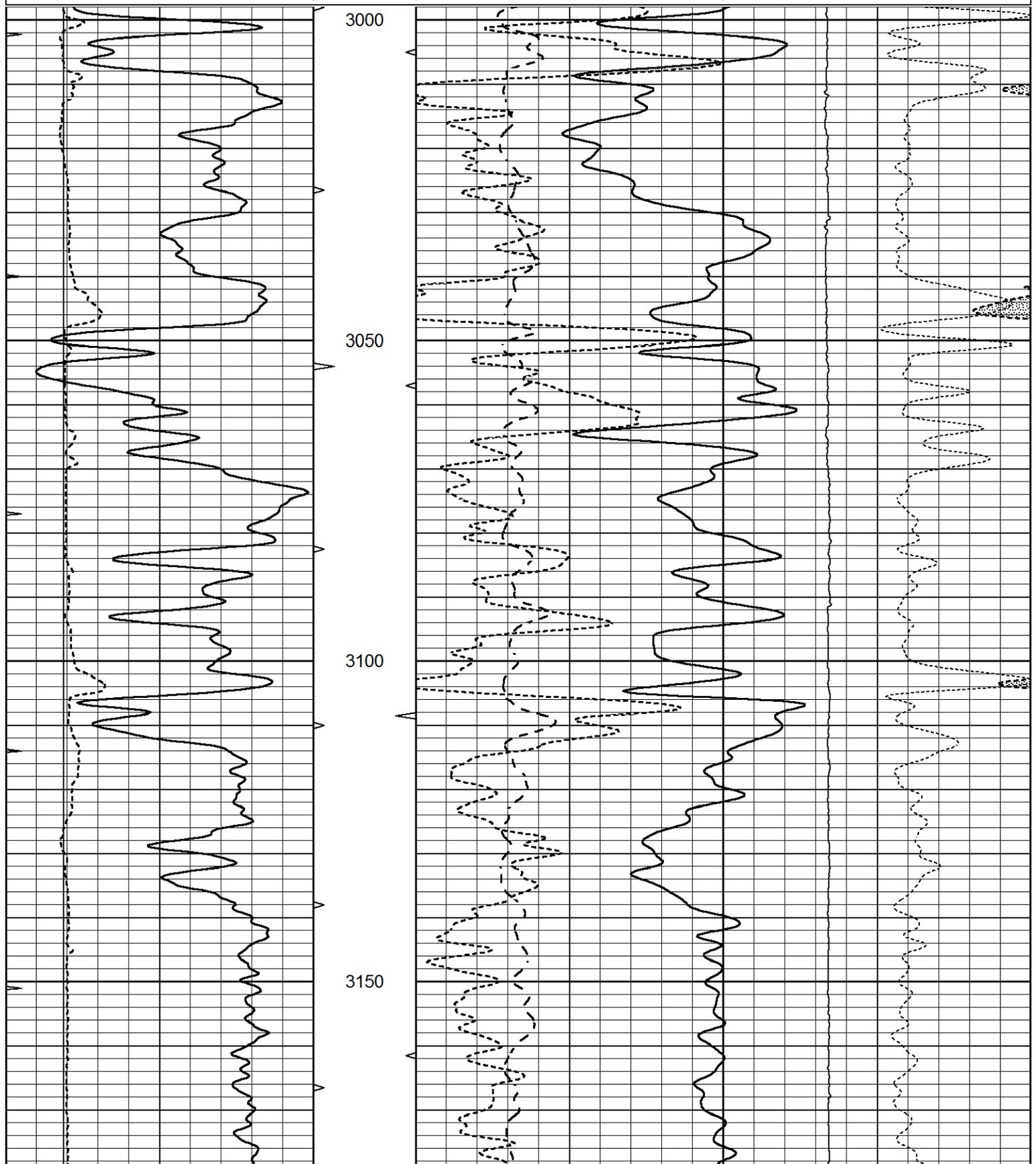
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
 DIRECTIONS
 COATS, KS., 2 1/2 W., N. INTO

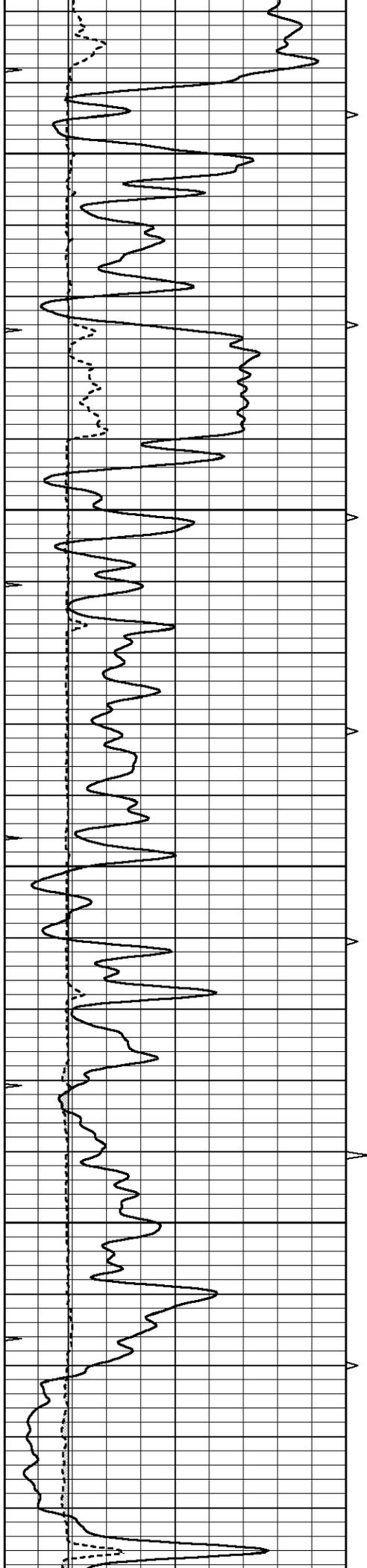


MAIN SECTION

Database File 8339pe.db
 Dataset Pathname pass3.1M
 Presentation Format _ldt_neu
 Dataset Creation Sun Nov 19 13:28:54 2023
 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	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



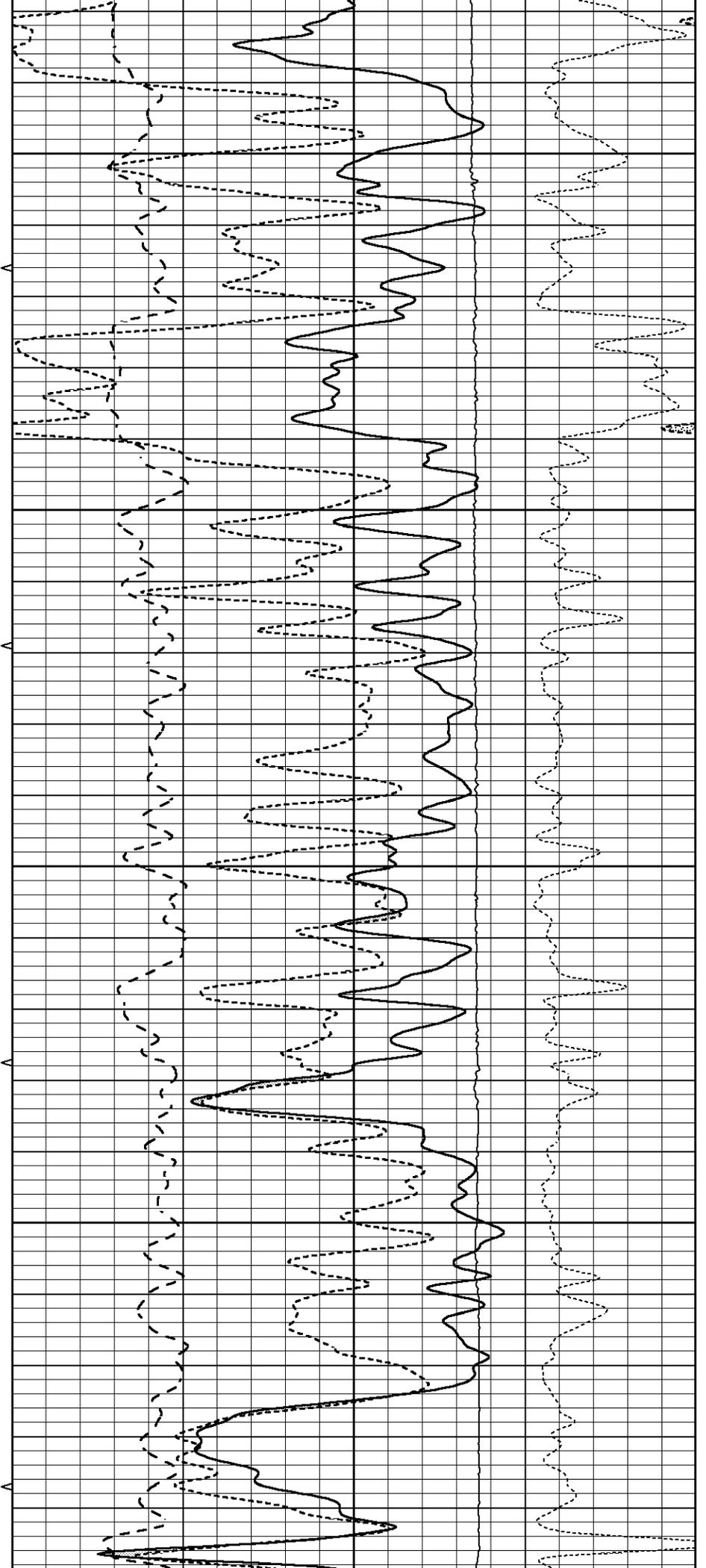


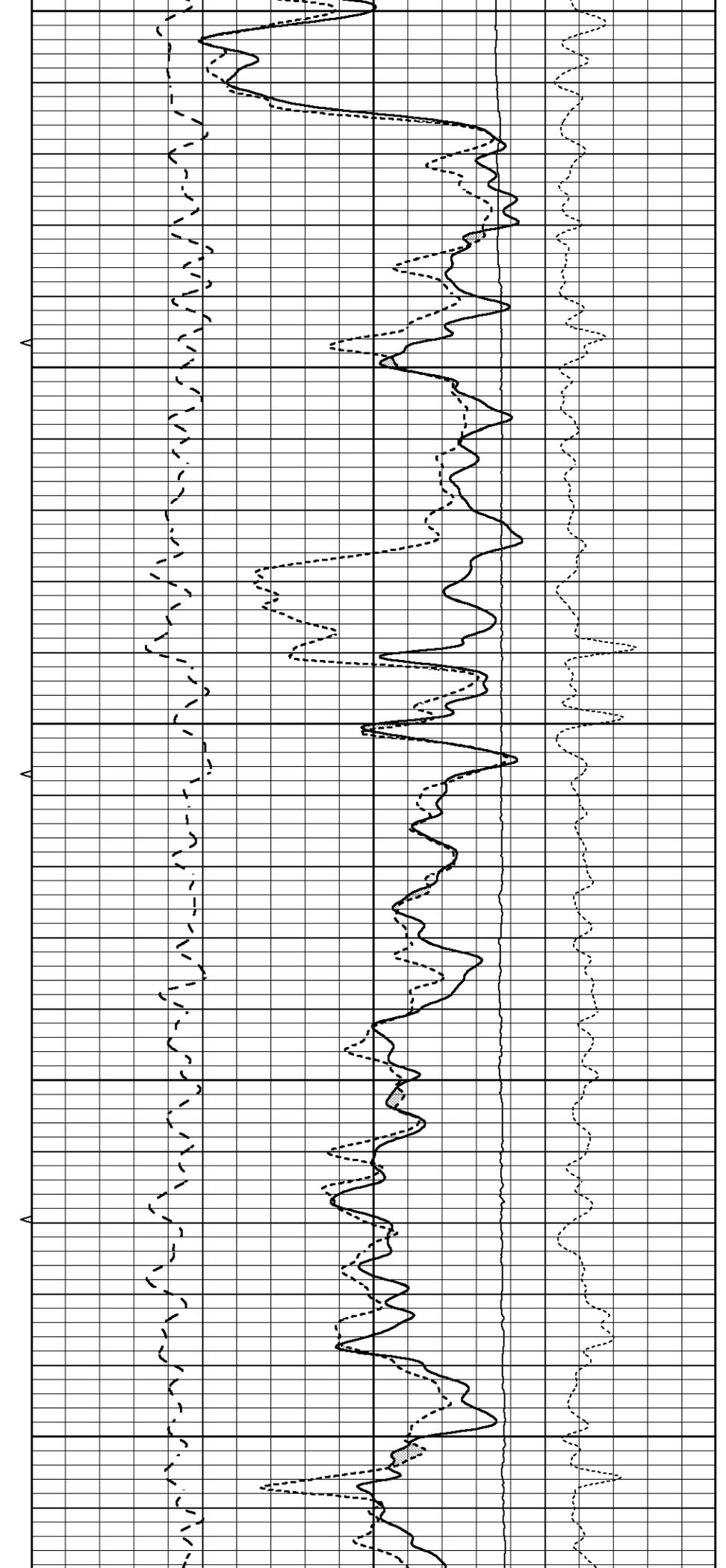
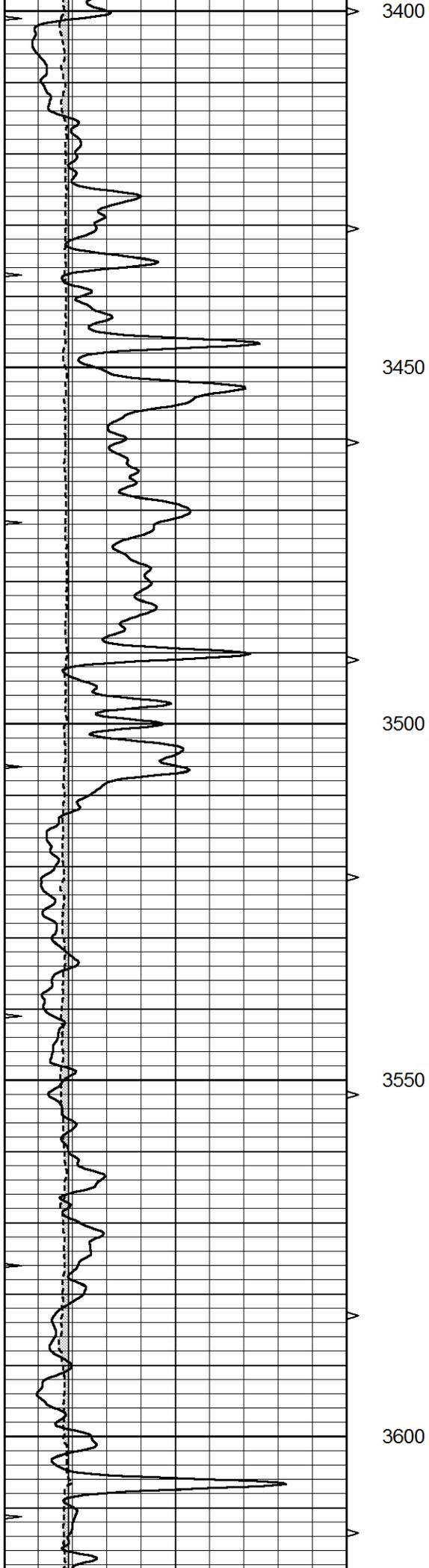
3200

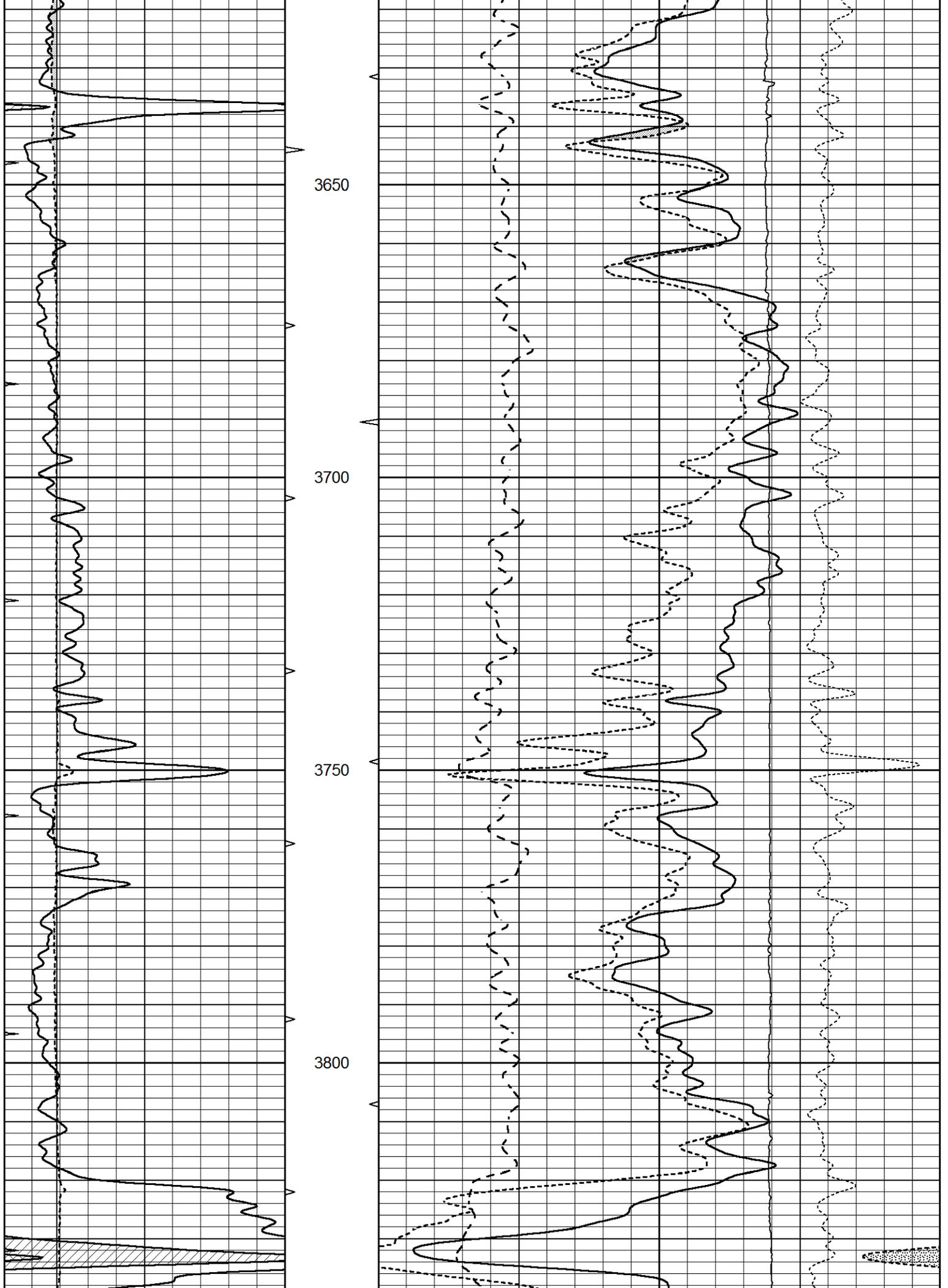
3250

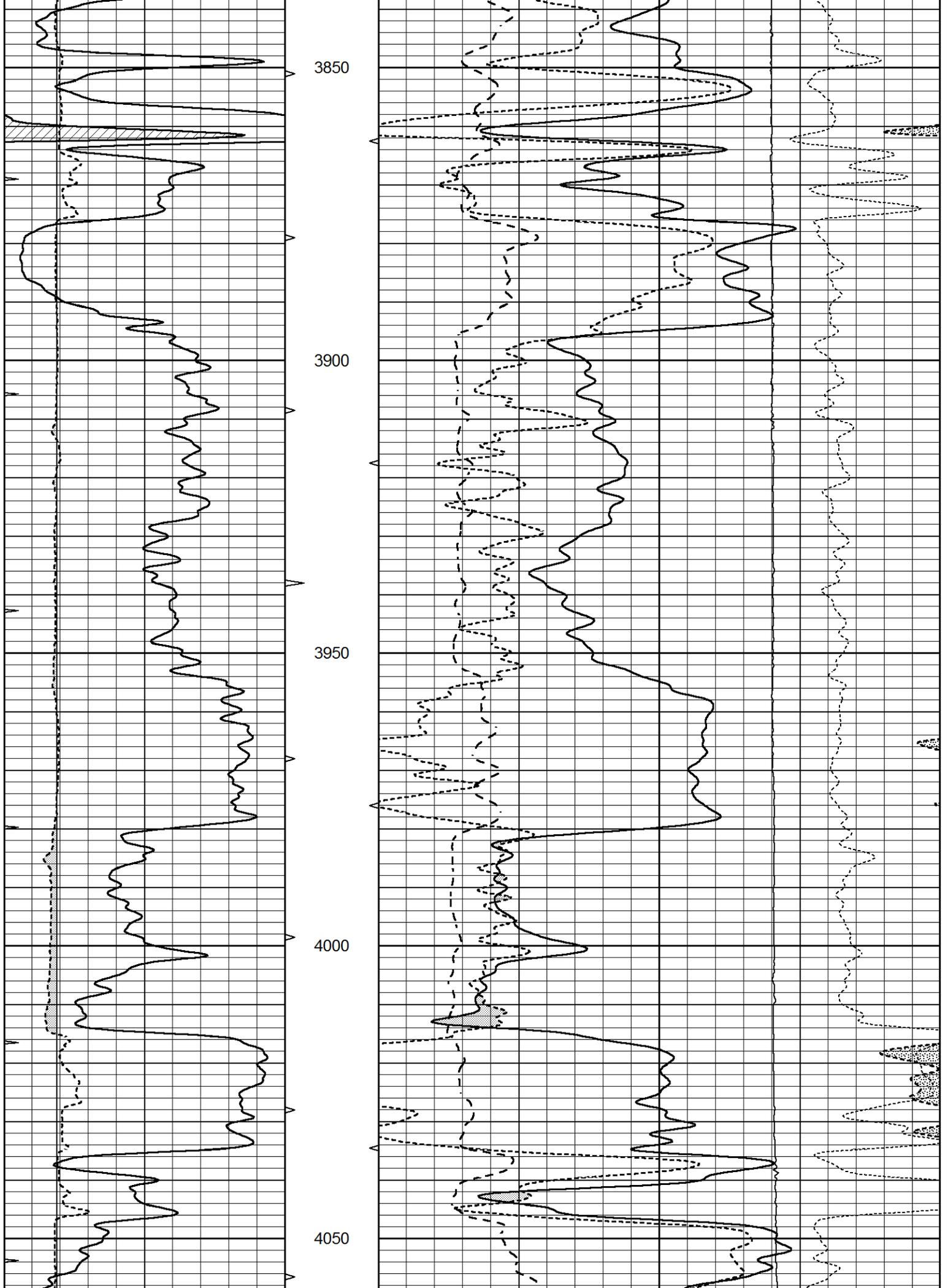
3300

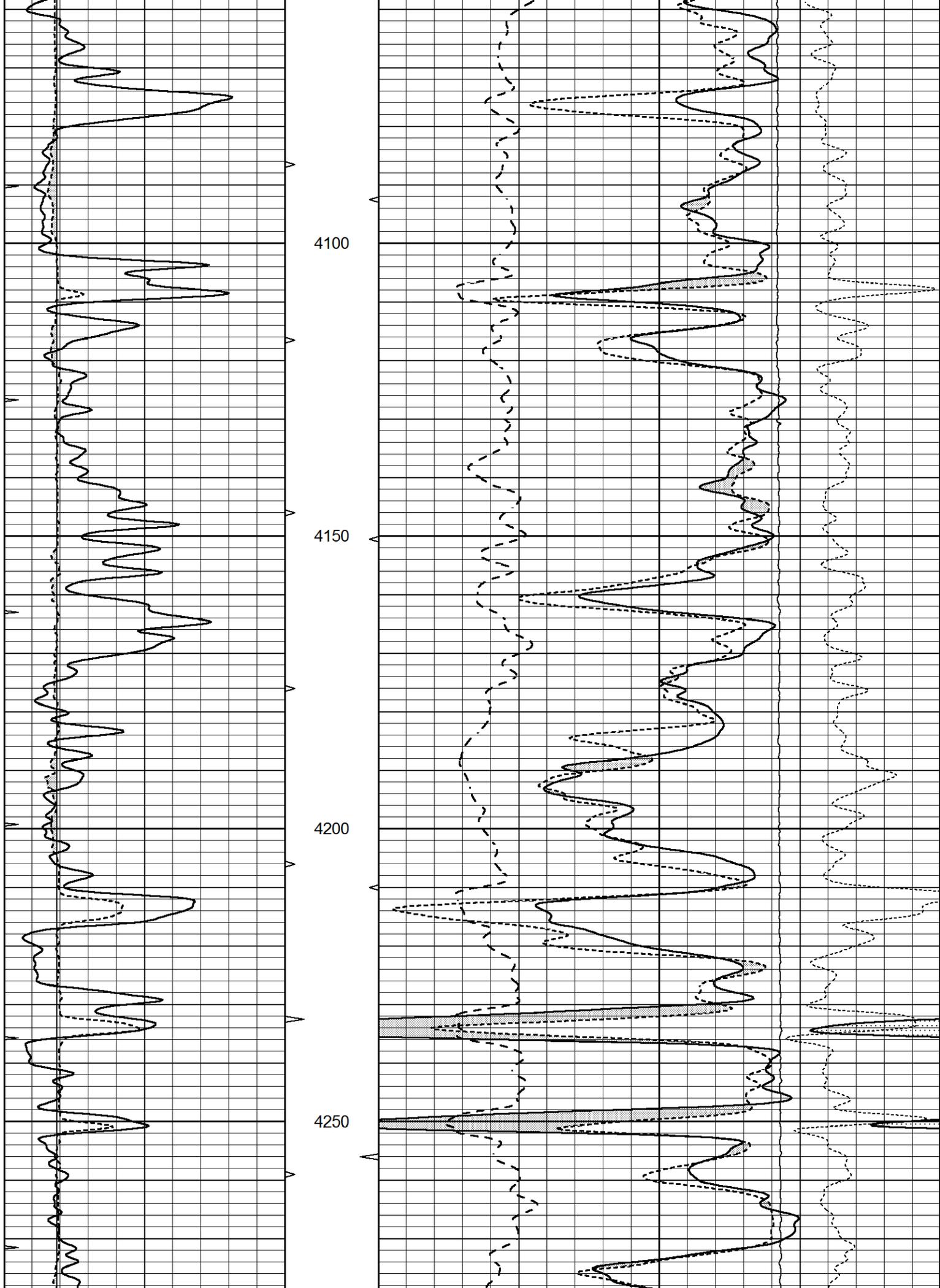
3350

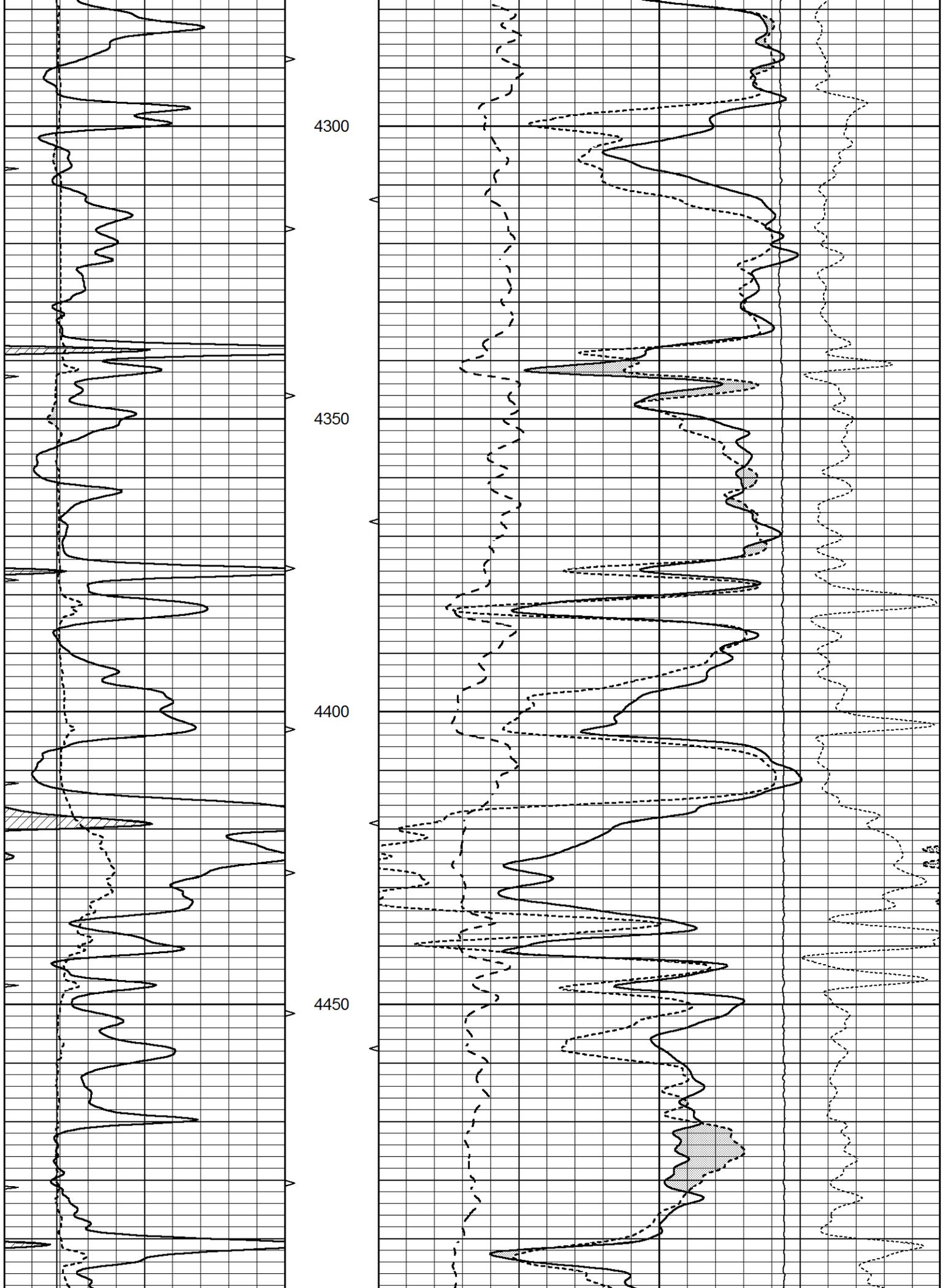


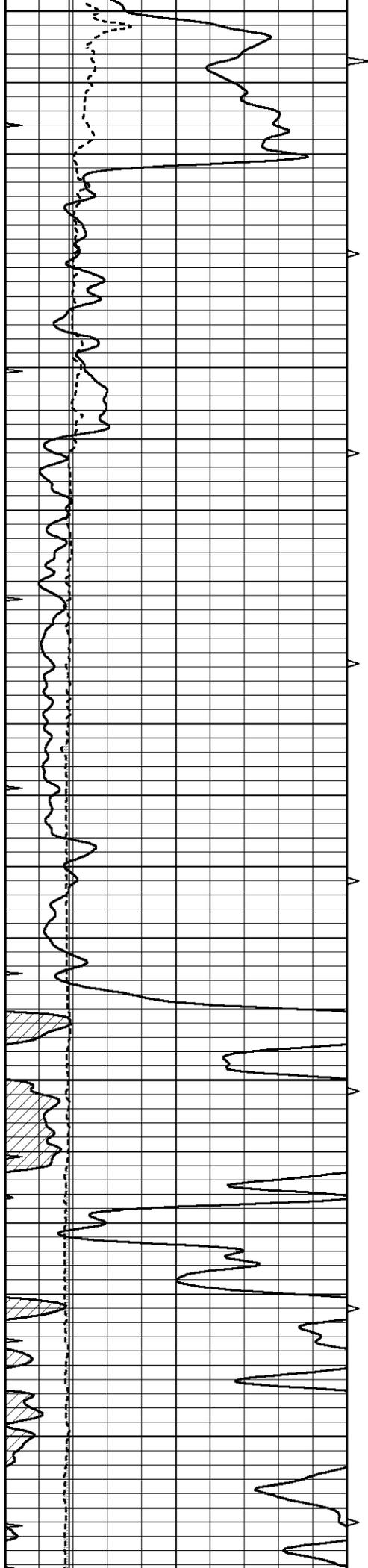




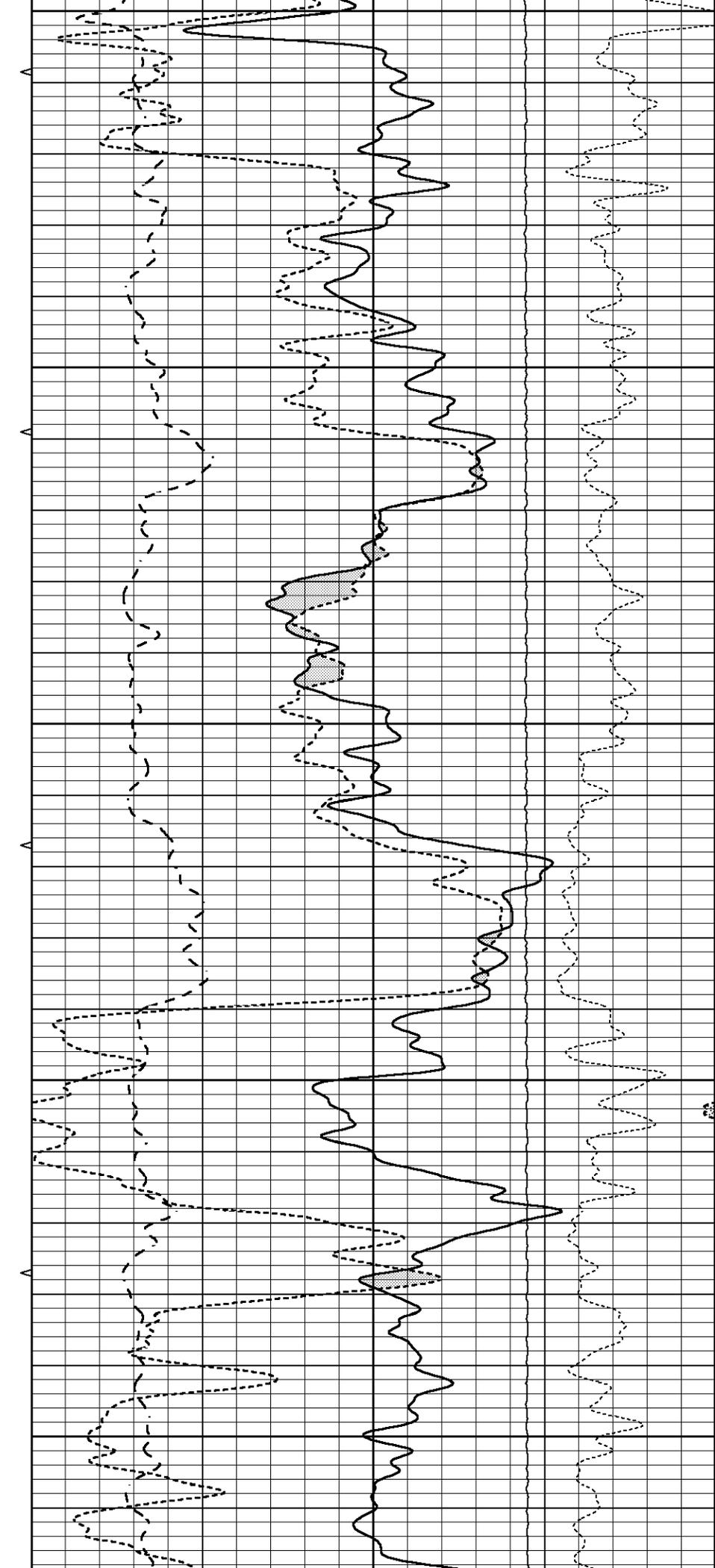


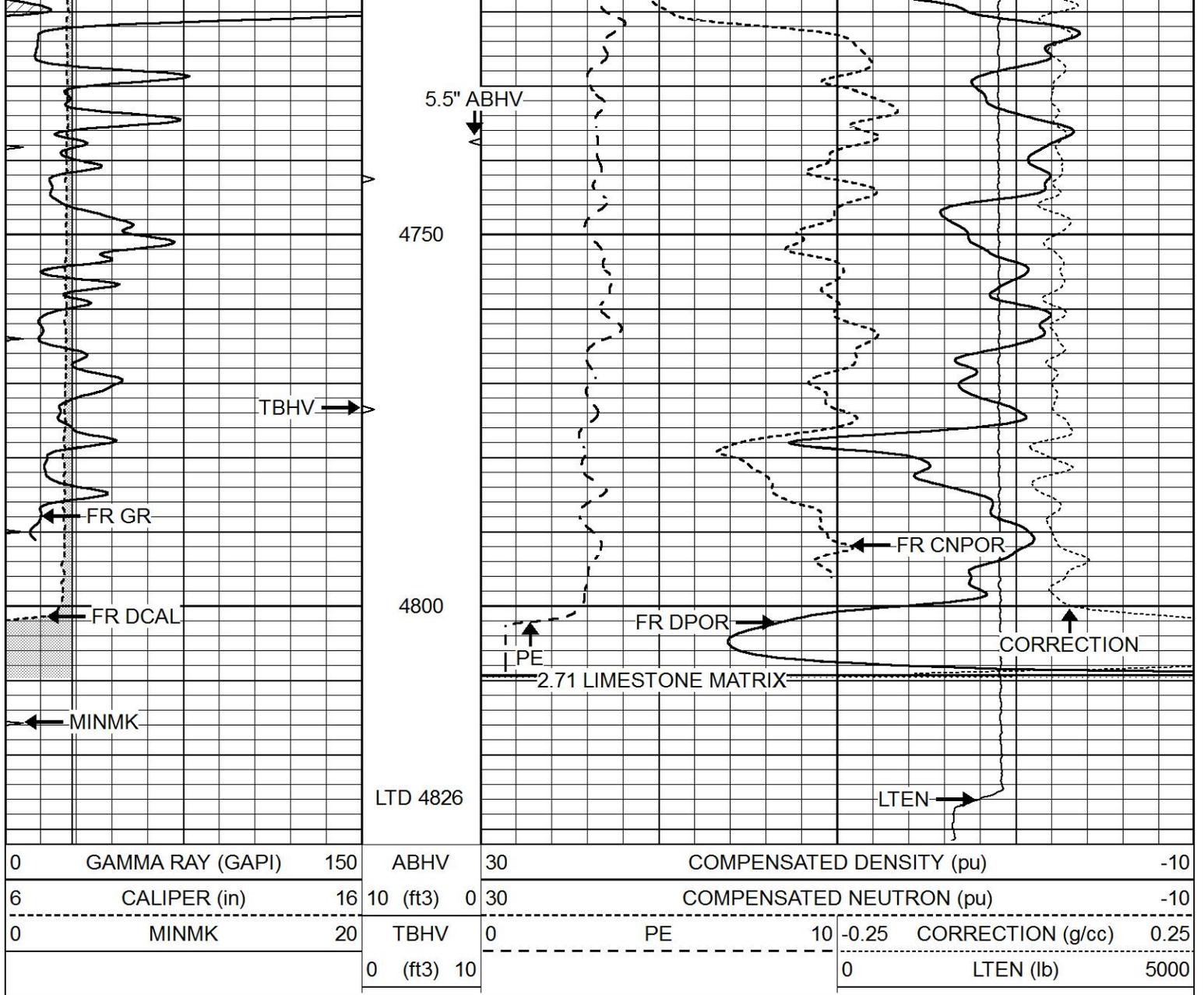






4500
4550
4600
4650
4700

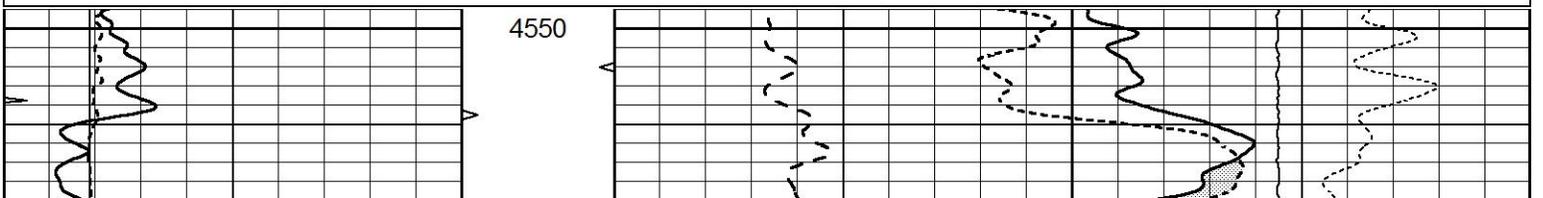


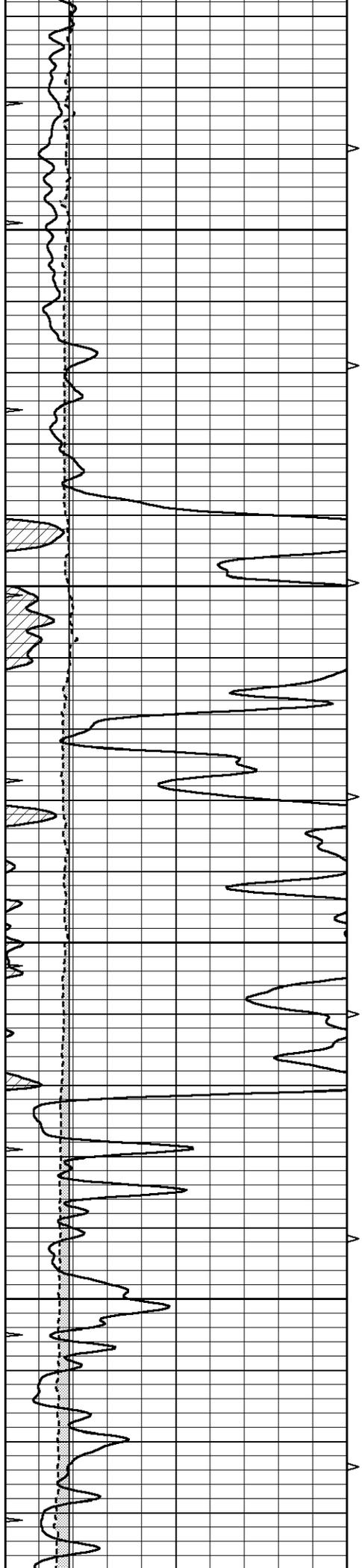


REPEAT SECTION

Database File 8339pe.db
 Dataset Pathname pass2.1R
 Presentation Format _ldt_neu
 Dataset Creation Sun Nov 19 12:13:33 2023
 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



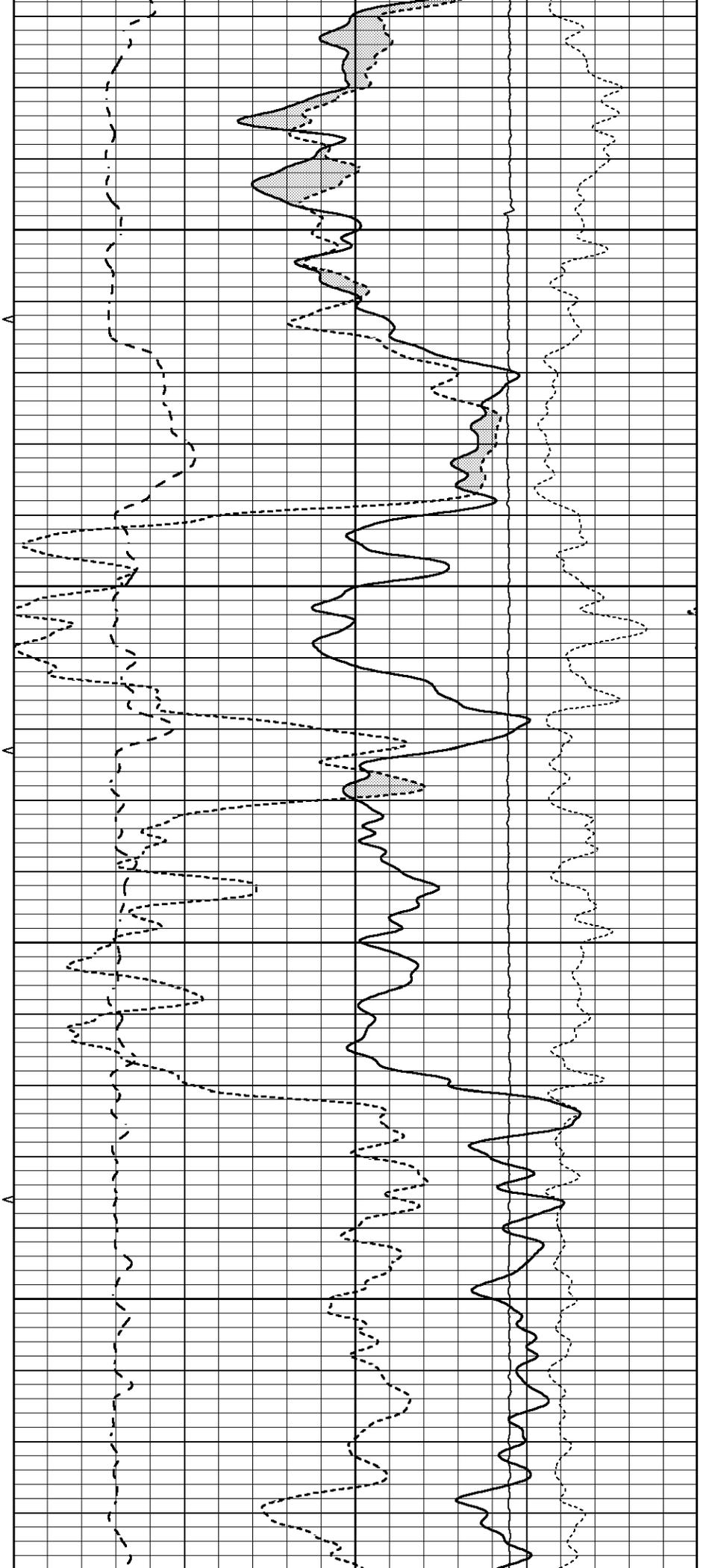


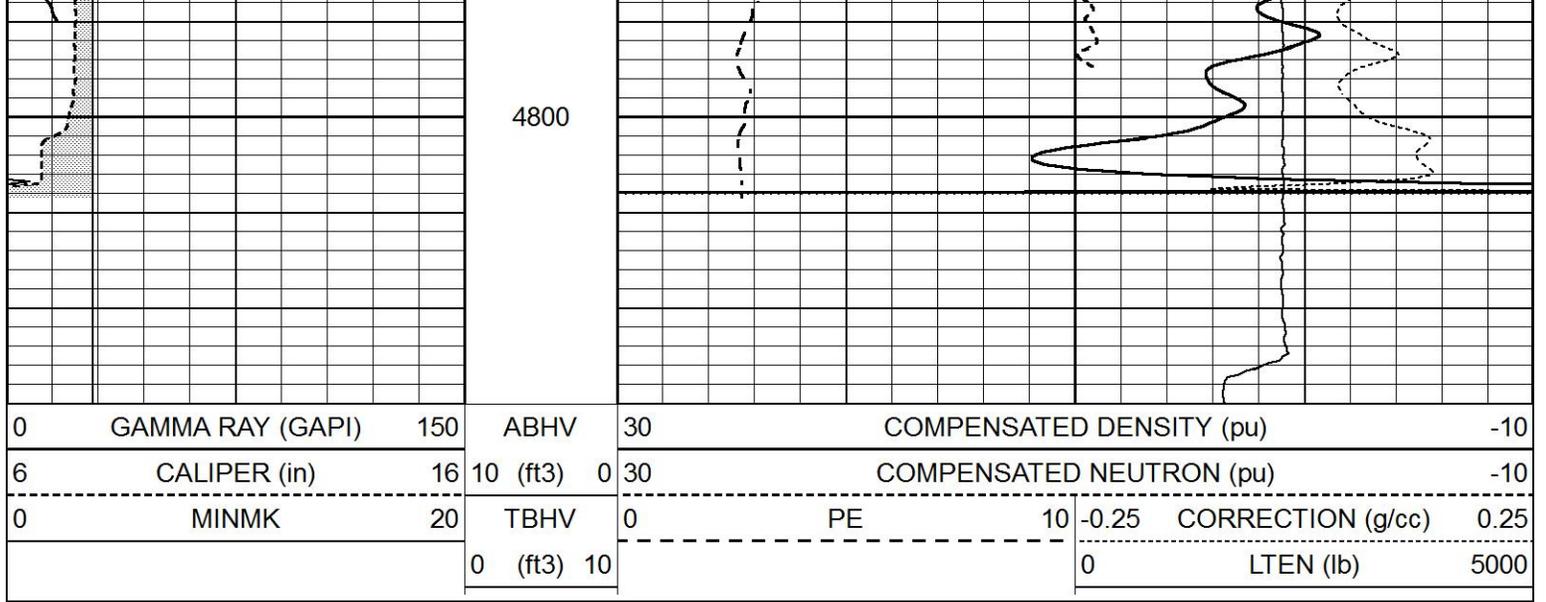
4600

4650

4700

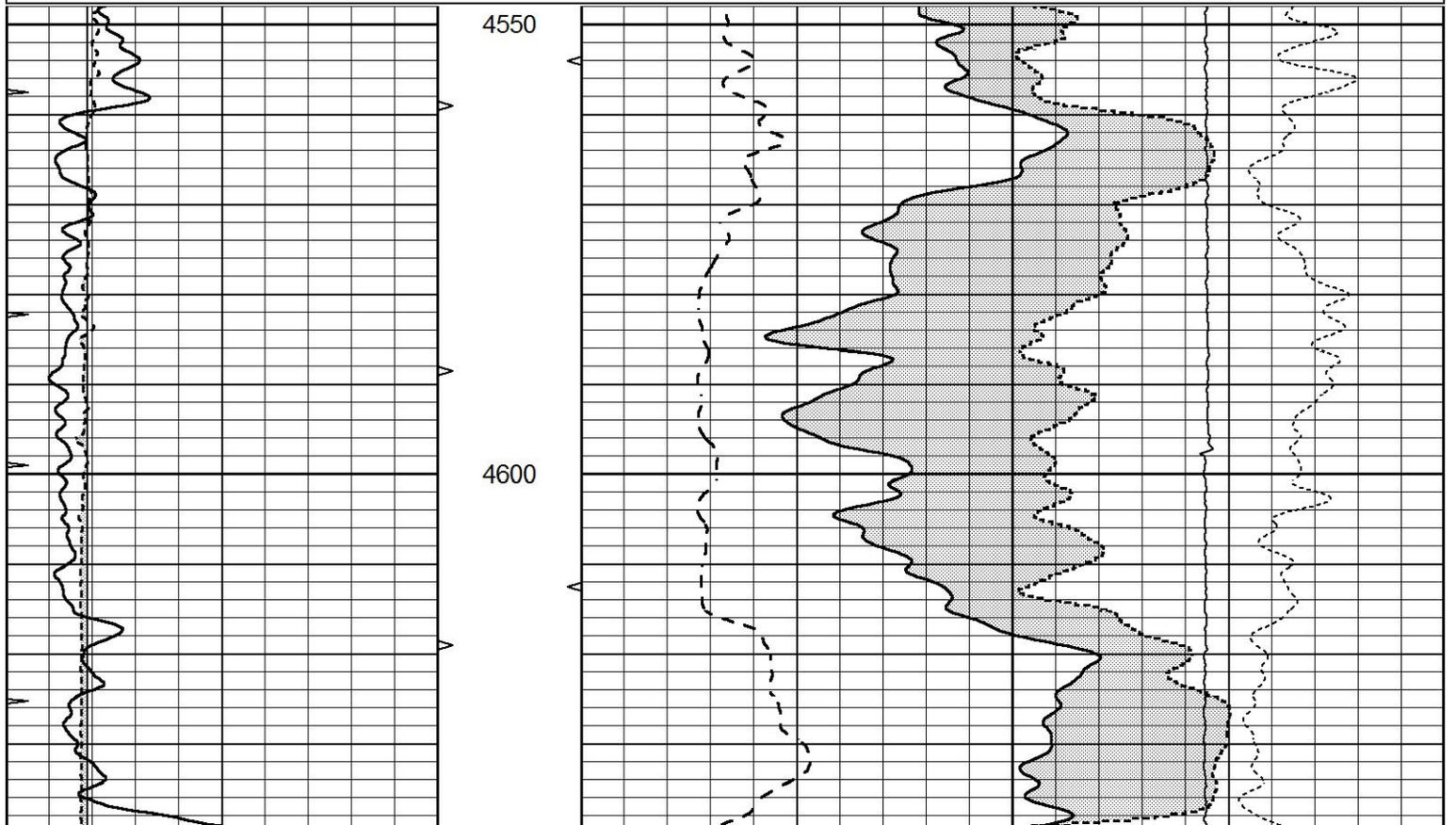
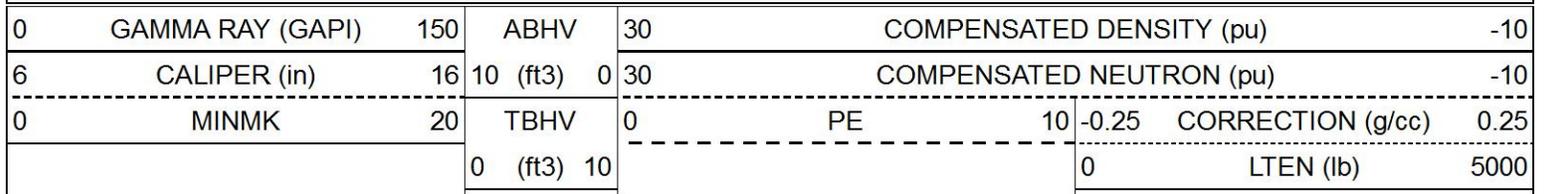
4750





DOLOMITE MATRIX

Database File 8339pe.db
 Dataset Pathname pass2.1D
 Presentation Format _ldt_neu
 Dataset Creation Sun Nov 19 12:15:43 2023
 Charted by Depth in Feet scaled 1:240



Calibration Report

Database File 8339pe.db
 Dataset Pathname pass3.1M
 Dataset Creation Sun Nov 19 13:28:54 2023

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Sun Nov 19 12:34:45 2023
 Downhole Cal Performed: Mon Aug 14 00:39:25 2023
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	8.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	-5.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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: 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

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	

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 Nov 15 06:07:43 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.3000 GAPI/cps