

COMPENSATED DENSITY/NEUTRON PE LOG

Company SHELBY RESOURCES, LLC.

Well WELLS TRUST #1-1

Field

County PAWNEE State KANSAS

Location: API #: 15-145-21868-0000

890' FNL & 1200' FWL

SEC 1 TWP 20S RGE 20W

Permanent Datum GROUND LEVEL Elevation 2270
Log Measured From KELLY BUSHING 8' A.G.L
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC
Elevation
K.B. 2278
D.F. 2276
G.L. 2270

Date 9/11/21

Run Number ONE

Depth Driller 4415

Depth Logger 4416

Bottom Logged Interval 4392

Top Log Interval 2200

Casing Driller 8 5/8" @ 1434

Casing Logger 1434

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD CHLORIDES 5100 PPM

Density / Viscosity 9.3/54

pH / Fluid Loss 10.5/9.2

Source of Sample FLOWLINE

Rm @ Meas. Temp .65 @ 90F

Rmf @ Meas. Temp .48 @ 90F

Rmc @ Meas. Temp .78 @ 90F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .48 @ 120F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 120F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By JEREMY SCHWARTZ

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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.

Comments

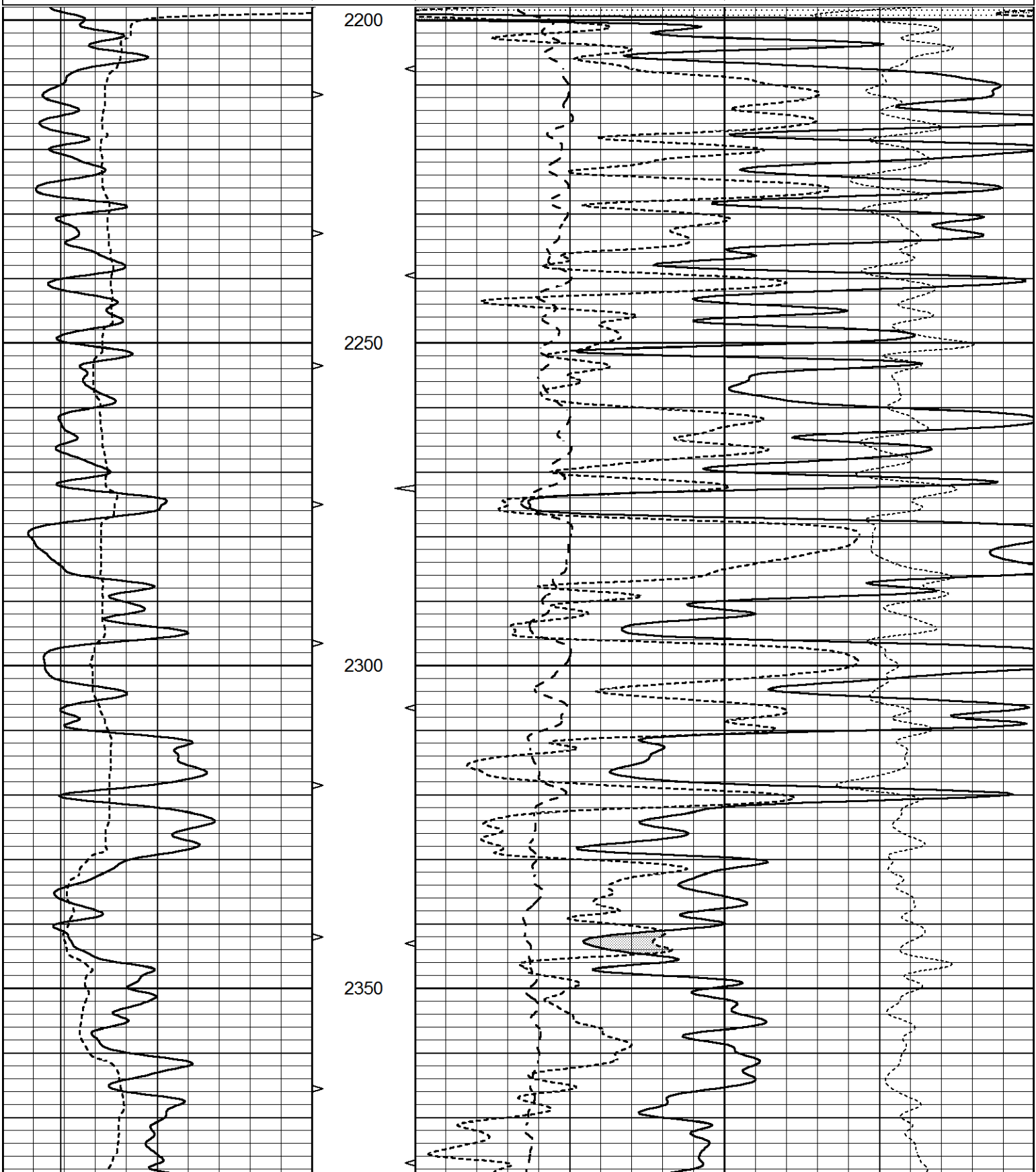
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
RUSH CENTER, KS. - SOUTH TO RD. X - 9 WEST TO RD. 160 - 1 SOUTH
3/4 WEST - SOUTH INTO

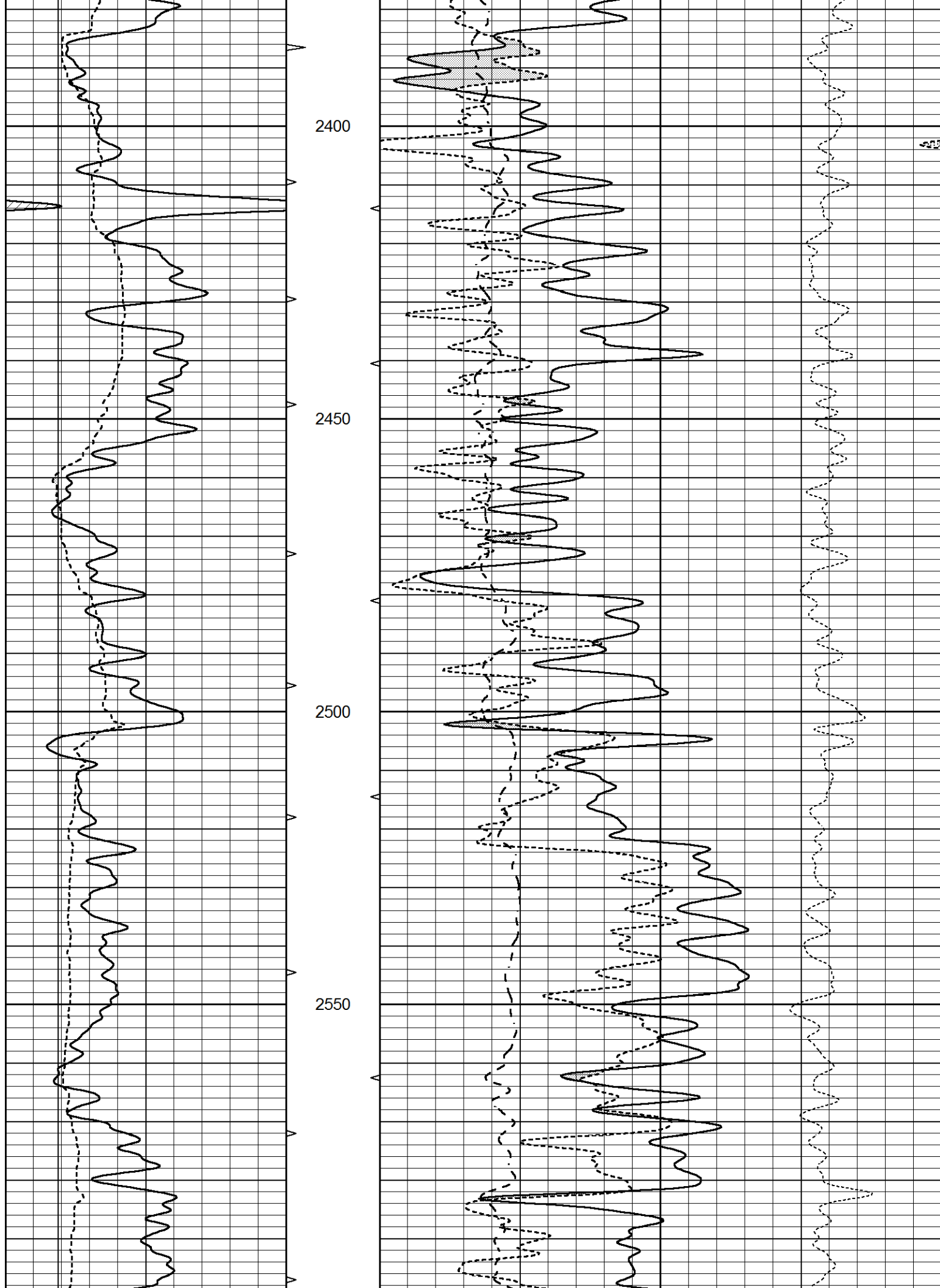


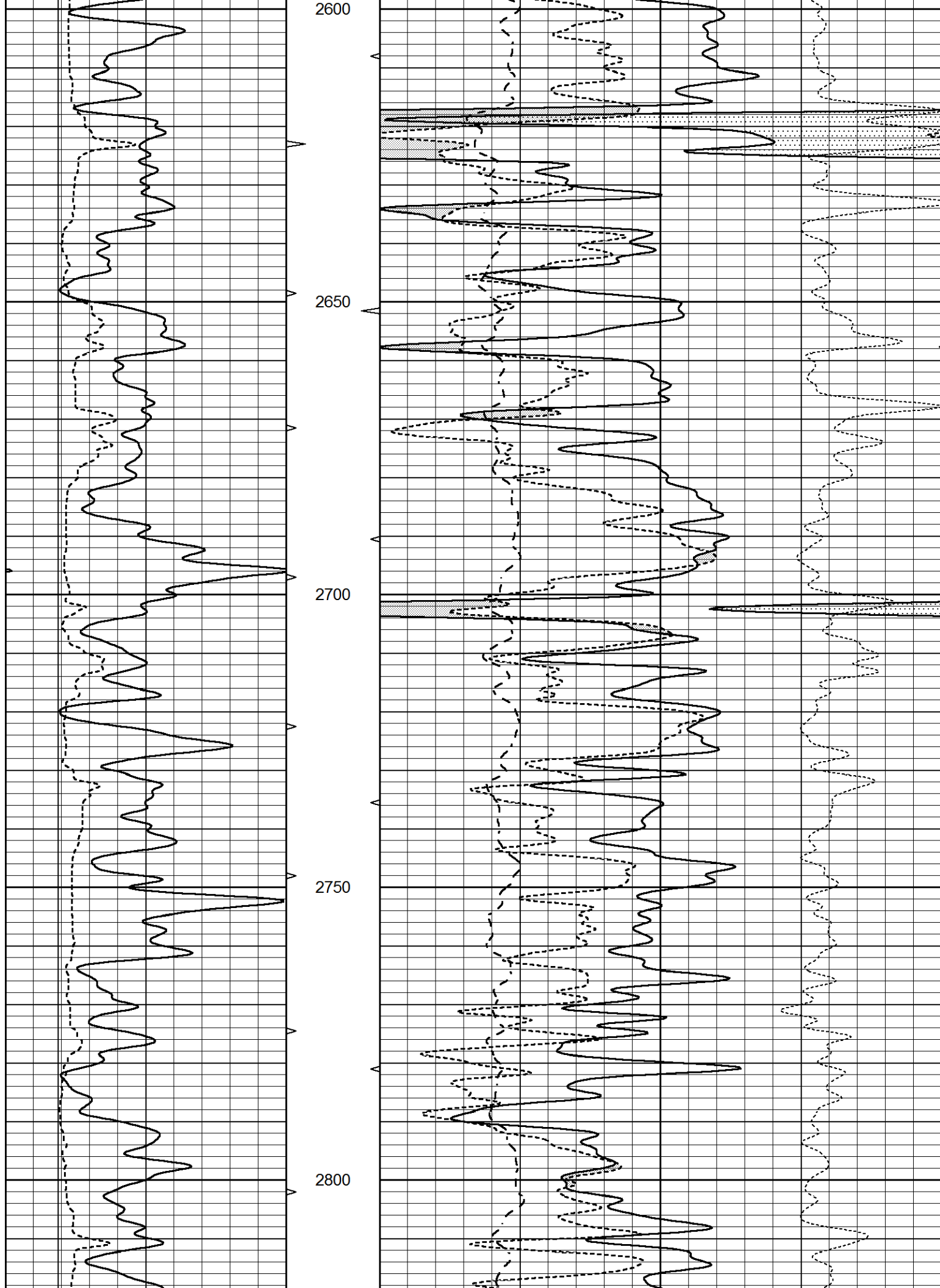
MAIN SECTION

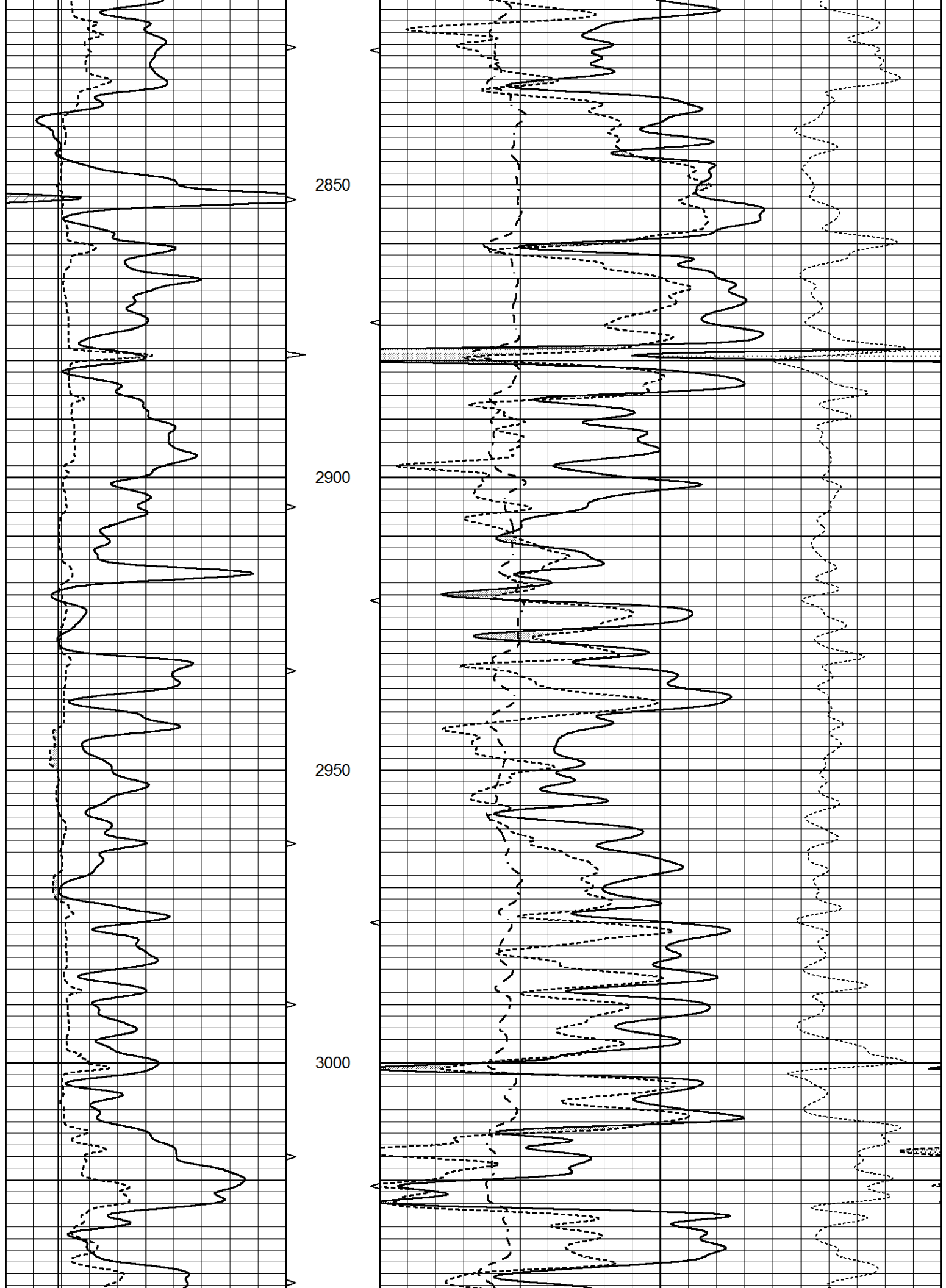
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Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Sat Sep 11 16:43:35 2021
Charted by	Depth in Feet scaled 1:240

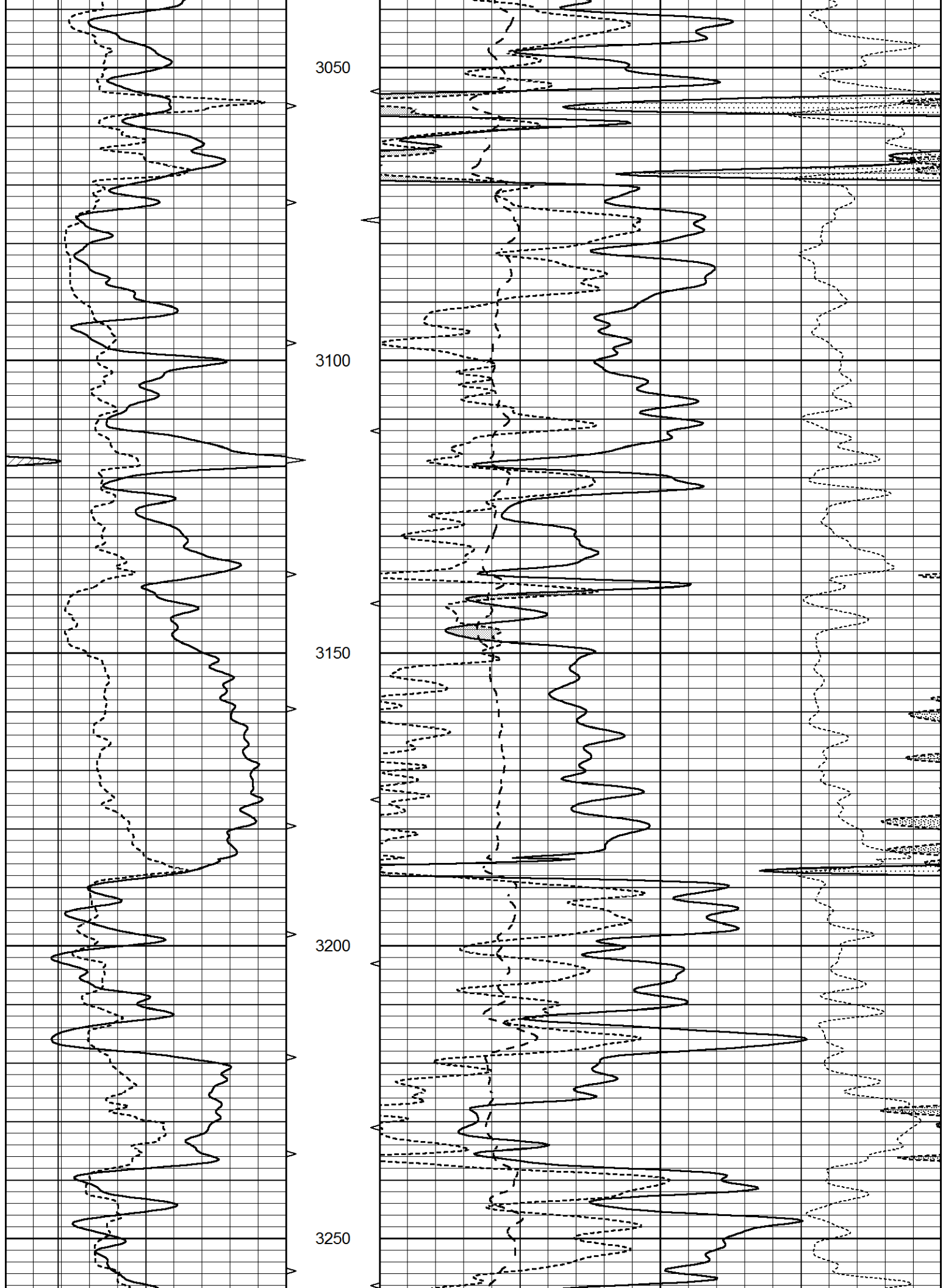
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10		
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10	
			TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10				0	LTEN (lb)	5000

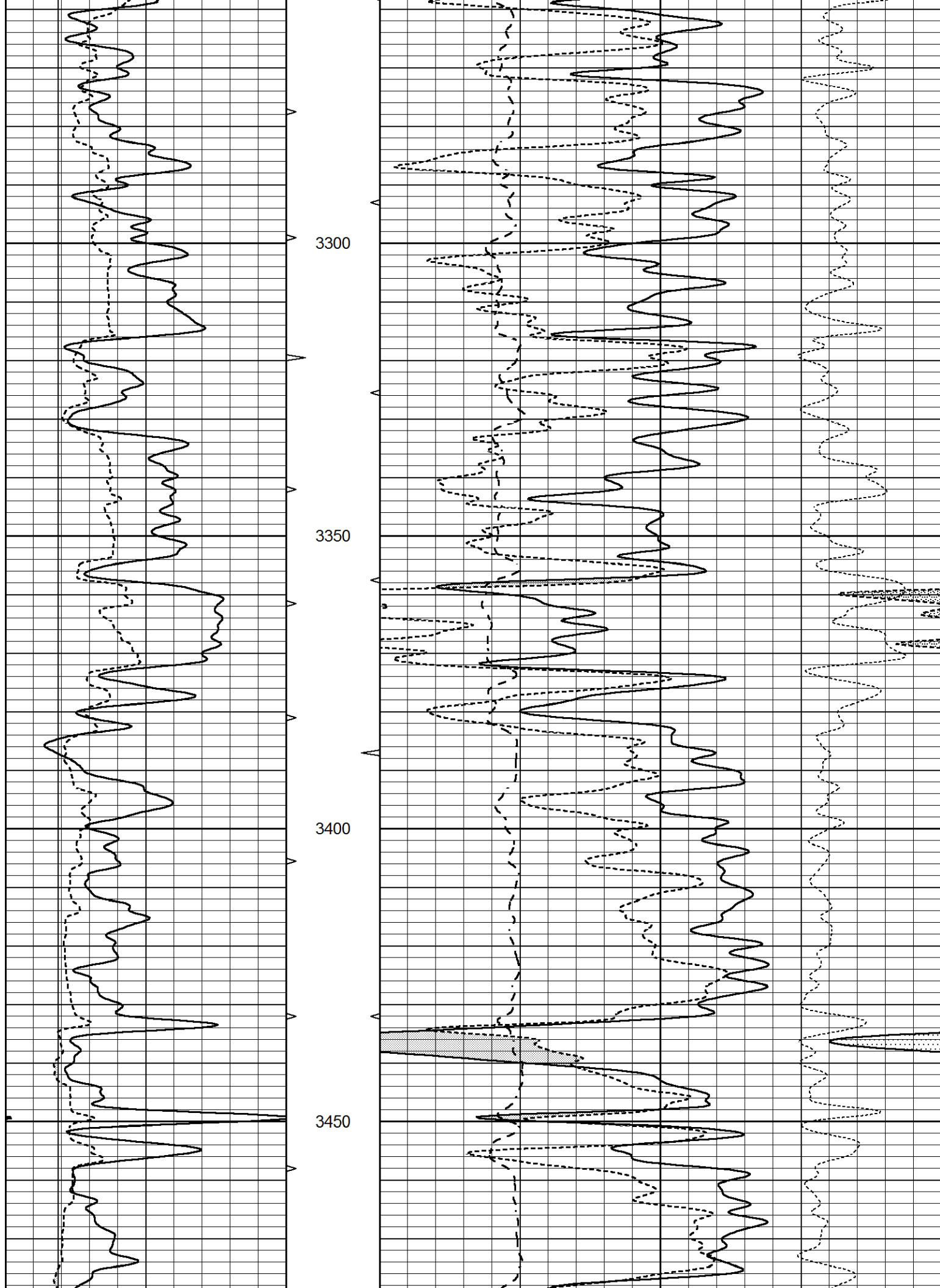


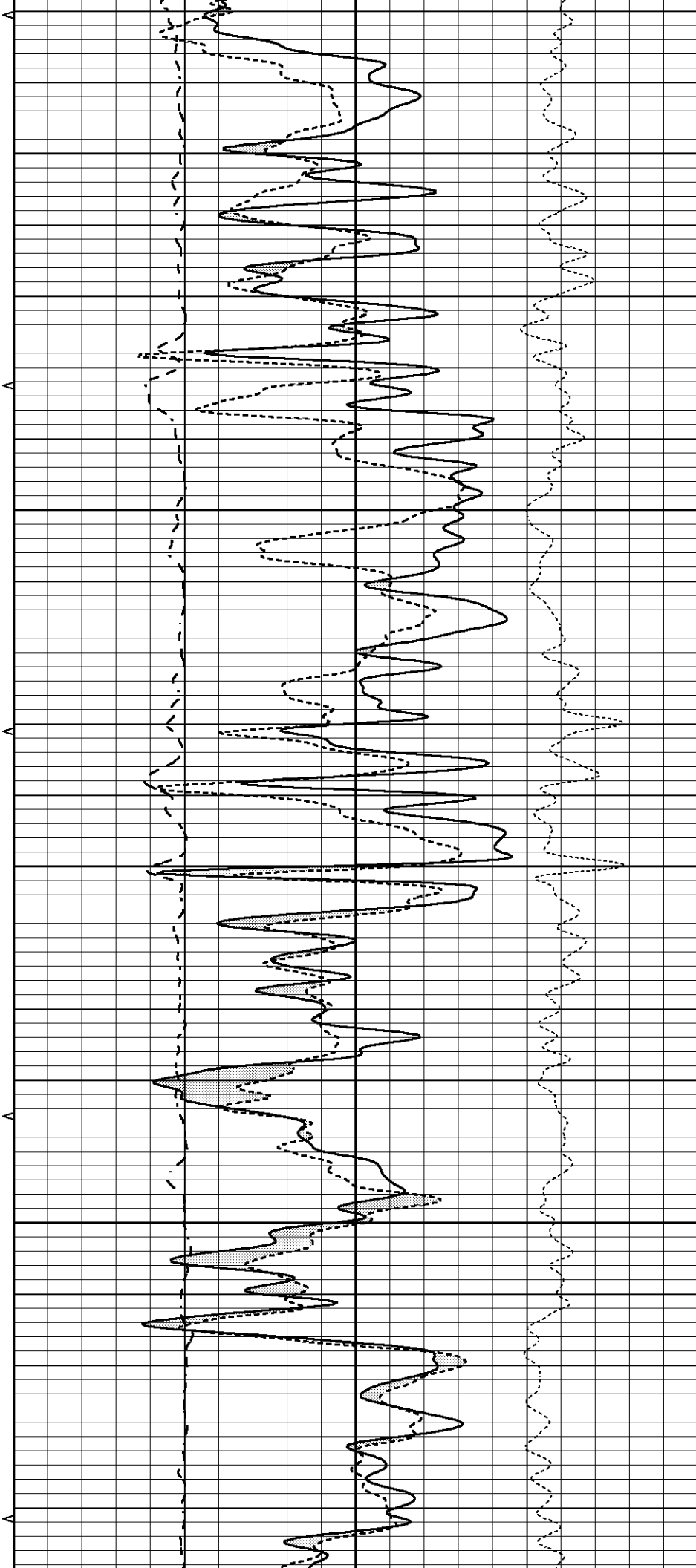
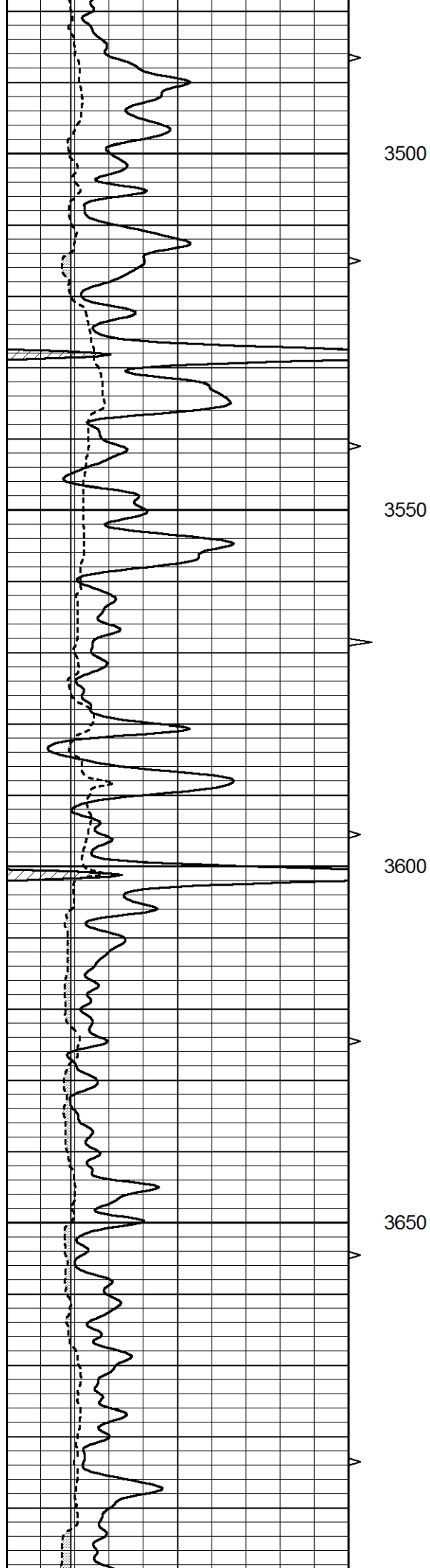


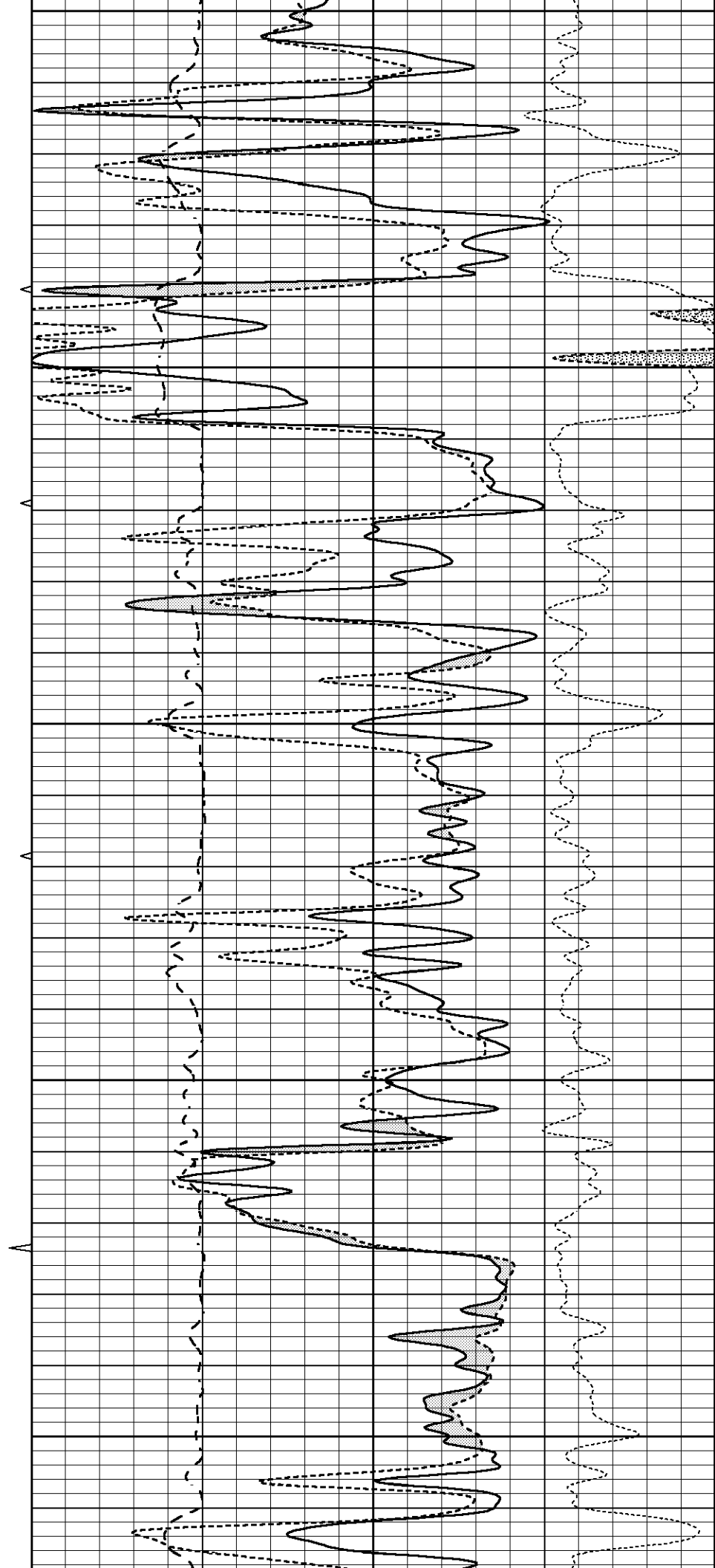
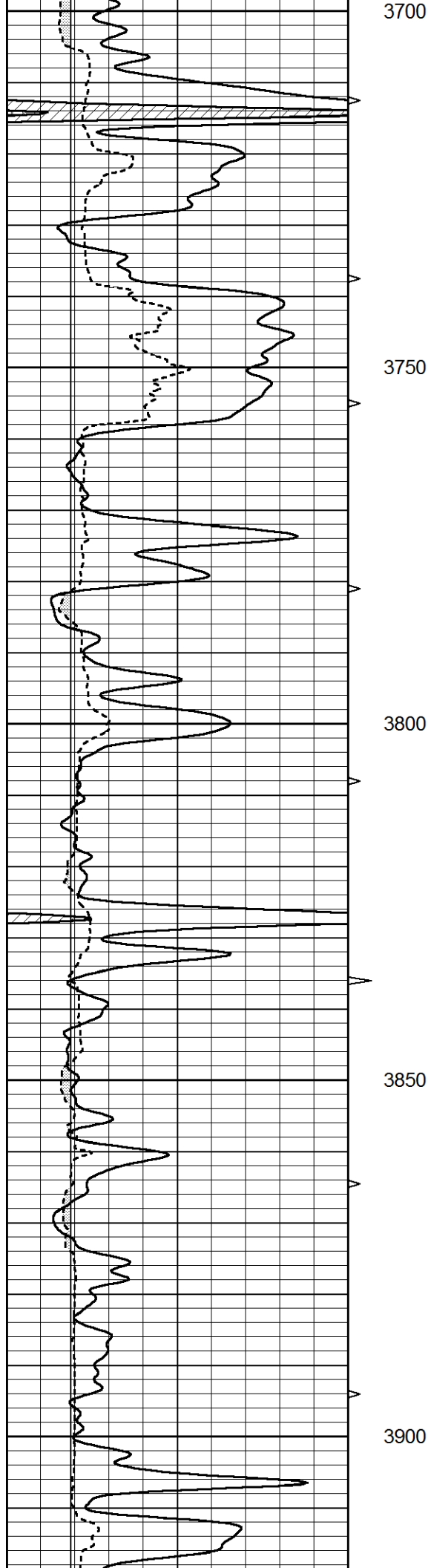


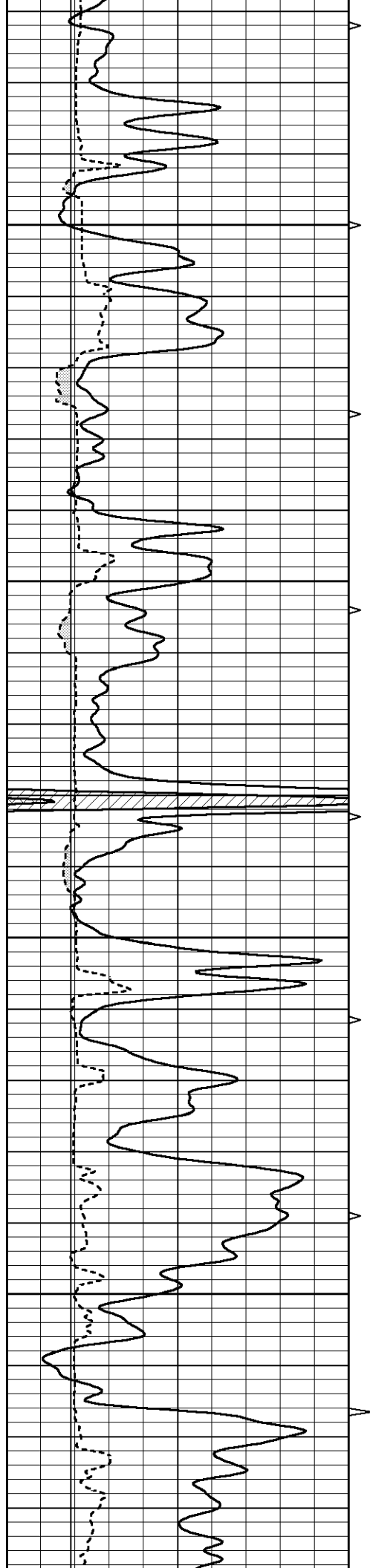










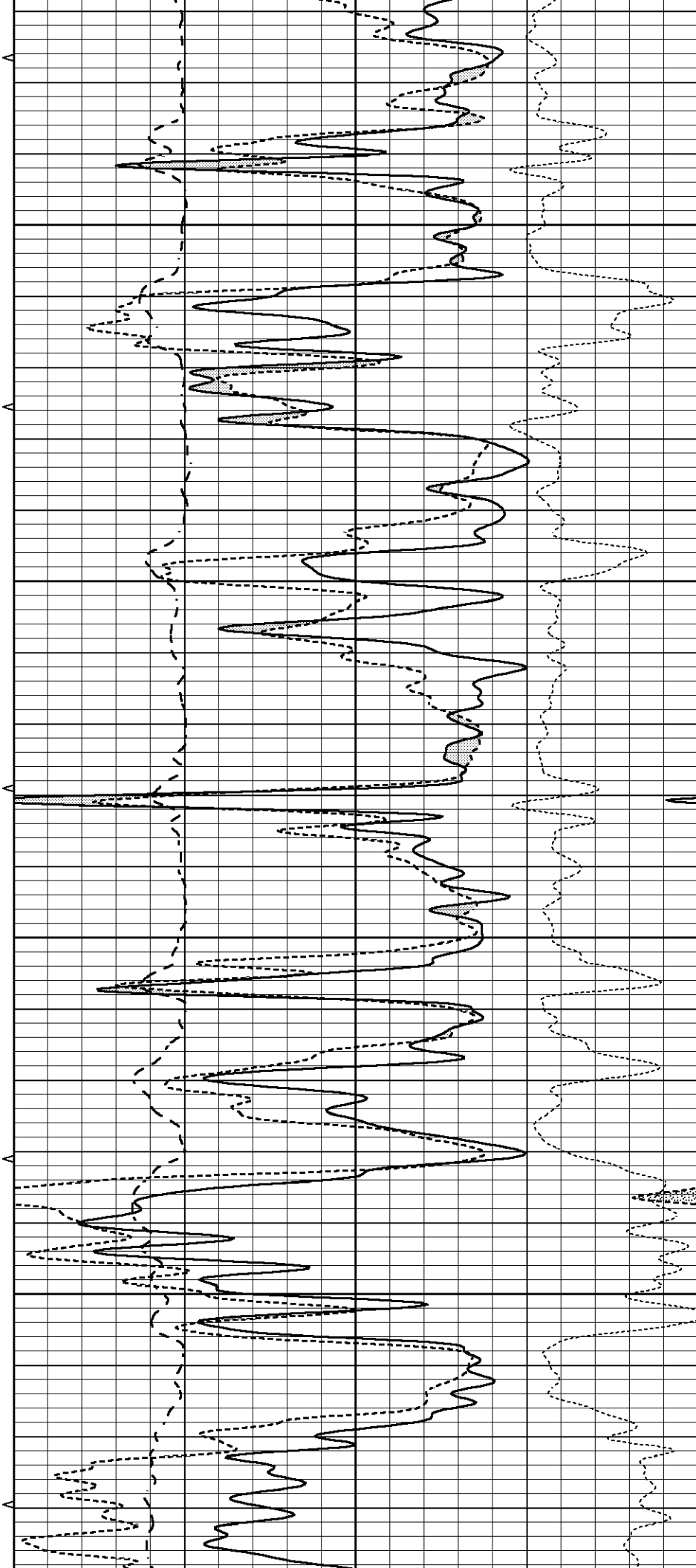


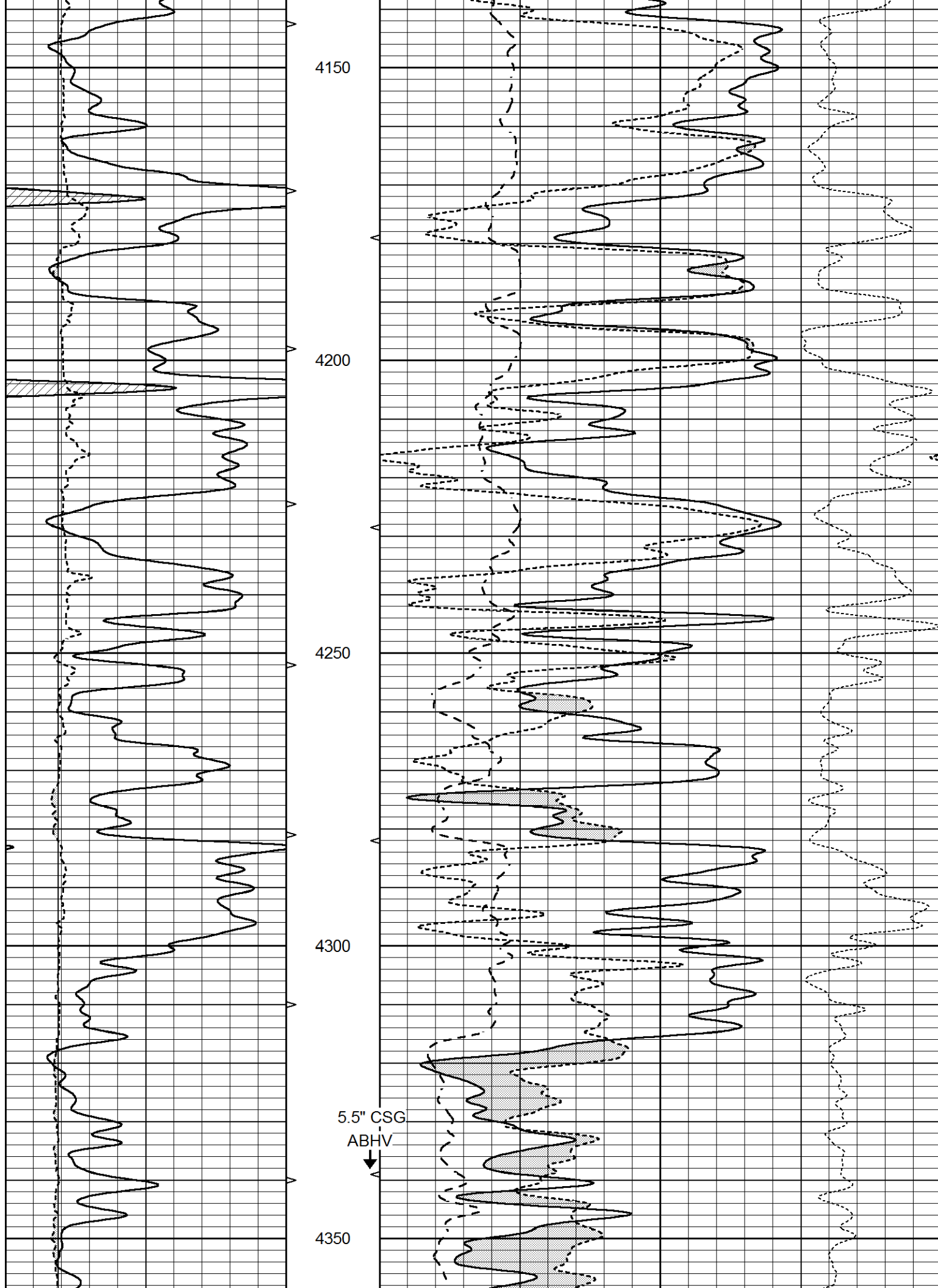
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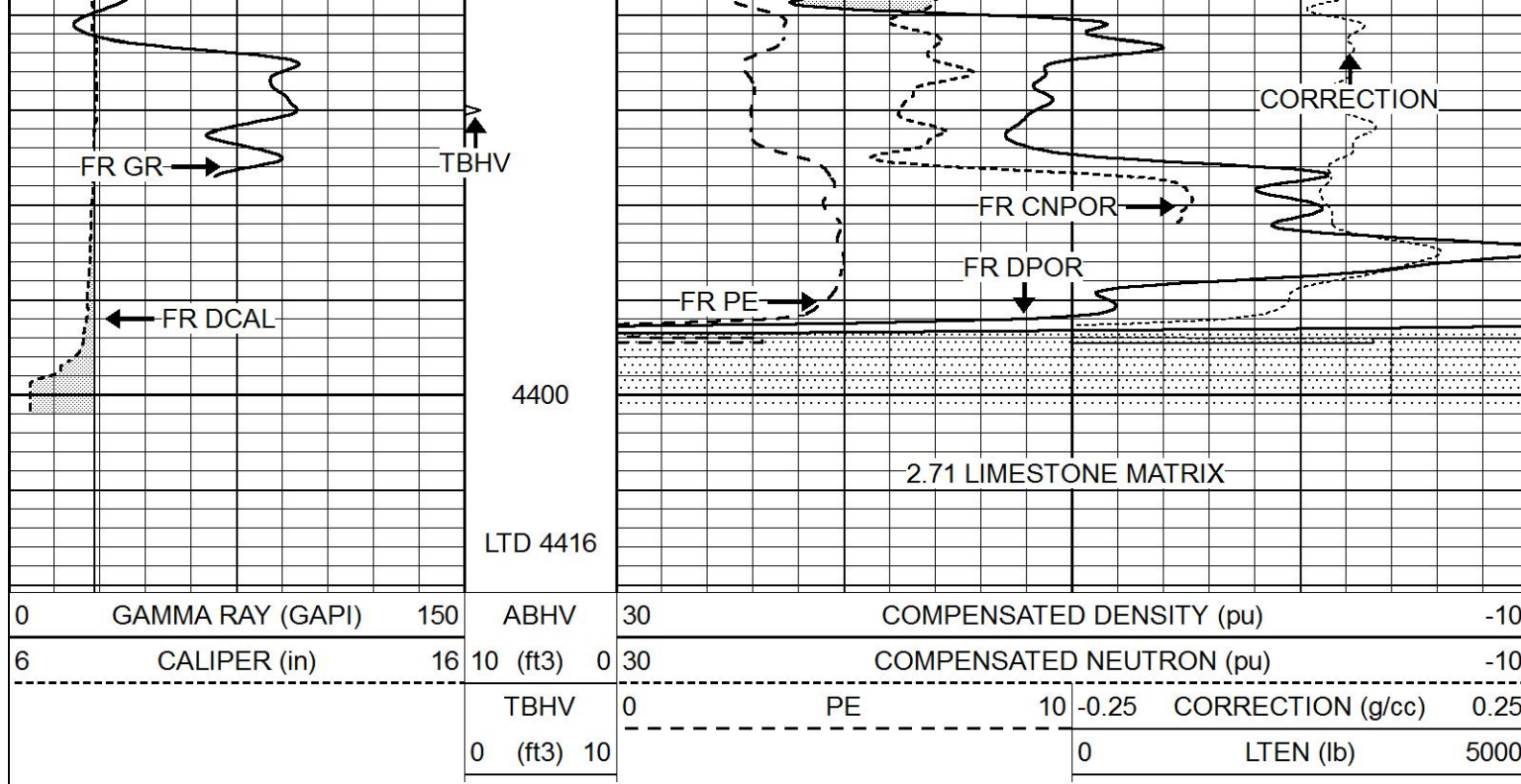
4000

4050

4100



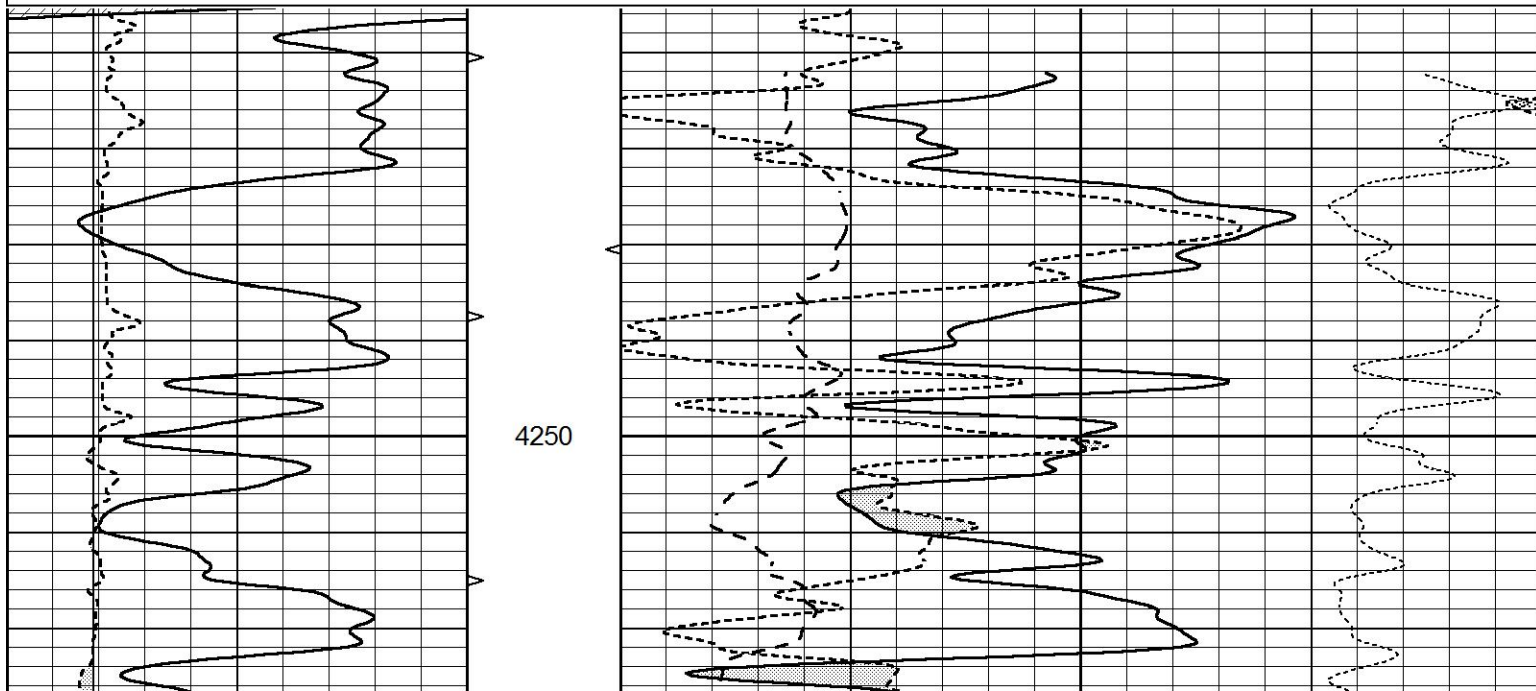


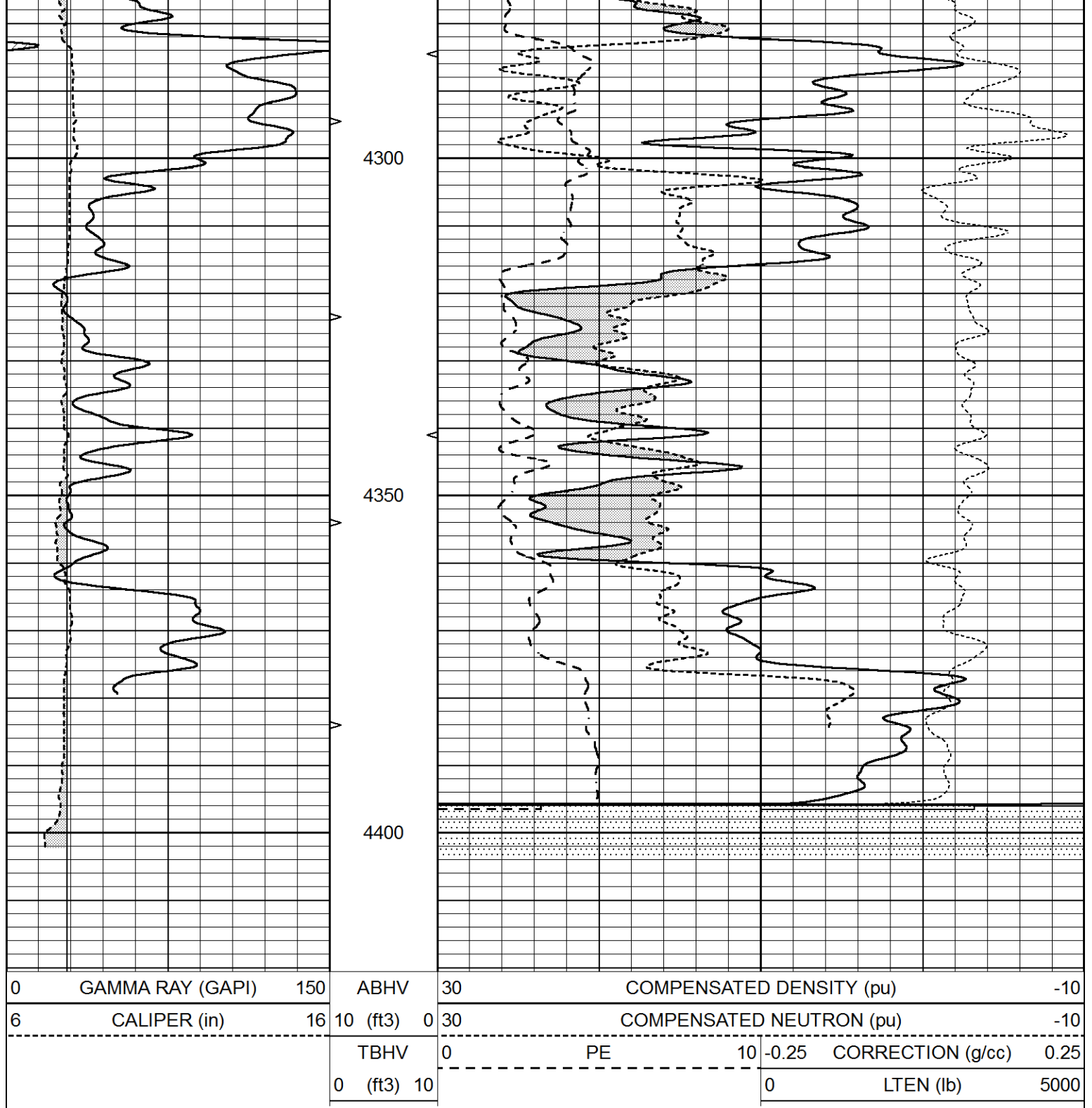


REPEAT SECTION

Database File 5852pe.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Sat Sep 11 16:00:30 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
			TBHV	0	PE	10	-0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			0	LTEN (lb) 5000





Calibration Report

Database File 5852pe.db
Dataset Pathname pass2.1
Dataset Creation Sat Sep 11 16:00:30 2021

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Tue Feb 19 11:44:18 2019
Downhole Cal Performed: Tue Feb 19 11:44:24 2019
After Survey Verification Performed: 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	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
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: 140704 Model: V4_10P Source Number: 74GBq-19								
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Master Calibration				Performed: Mon Dec 07 12:12:14 2020				
	Background	Aluminum	Magnesium					
Window 1	557.73	5525.14	24361.20	cps				
Window 2	47.08	1245.09	5901.17	cps				
Window 4	239.06	1250.70	5456.76	cps				
Window 5	564.08	8300.56	16134.07	cps				
Window 6	44.21	1356.78	2705.40	cps				
Window 8	267.87	2686.97	5150.30	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				
LS Alpha:	: -1.8719	SS Alpha:	: -0.8000	LS CPE:		: 1.1424		
LS Beta:	: 135562.6841	SS Beta:	: 20128.7209	SS CPE:		: 1.5489		

Before Survey Background Counts Verification				Performed: Wed Dec 31 18:00:00 1969				
Window 1	0.00	cps						
Window 2	0.00	cps						
Window 4	0.00	cps						
Window 5	0.00	cps						
Window 6	0.00	cps						
Window 8	0.00	cps						

After Survey Background Counts Verification				Performed: Wed Dec 31 18:00:00 1969				
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Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps
Lithodensity Caliper Calibration		
Performed: Mon Dec 07 12:12:14 2020		
Results	Readings	References (in)
Low	High	Low High
6517.8	7435.4	8.0 14.0
Gain		
Offset		
0.0 -34.6		
Before Survey Caliper Verification		
Performed:		
Reference Reading		
Caliper (in)		
After Survey Caliper Verification		
Performed:		
Reference Reading		
Caliper (in)		
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: 7		
Tool Model: Probe1		
Performed: Tue Jan 19 17:50:08 2021		
Calibrator Value: 1.0 GAPI		
Background Reading: 0.0 cps		
Calibrator Reading: 1.0 cps		
Sensitivity: 0.5300 GAPI/cps		