

COMPENSATED DENSITY/NEUTRON PE LOG

Company	WOOLSEY OPERATING COMPANY, LLC	Company	WOOLSEY OPERATING COMPANY, LLC.
Well	HUXMAN #1	Well	HUXMAN #1
Field	WINSINGER	Field	WINSINGER
County	McPHERSON	County	McPHERSON
State	KANSAS	State	KANSAS
Location:	API # : 15-113-21395-0000 1550' FSL & 1750' FEL E2 W2 SE	Other Services DIL	
Permanent Datum	SEC 19 TWP 21S RGE 1W	Elevation	
Log Measured From	GROUND LEVEL Elevation 1487	K.B. 1500	
Drilling Measured From	KELLY BUSHING 13' A.G.L. KELLY BUSHING	D.F. 1498	
		G.L. 1487	
Date	9/20/19		
Run Number	ONE		
Depth Driller	3450		
Depth Logger	3450		
Bottom Logged Interval	3426		
Top Log Interval	1000		
Casing Driller	8 5/8" @ 265'		
Casing Logger	265'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES PPM	
Density / Viscosity	9.4/54		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.30 @ 89F		
Rmf @ Meas. Temp	0.97 @ 89F		
Rmc @ Meas. Temp	1.56 @ 89F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.04 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	111F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	BILL KLAVER		

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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

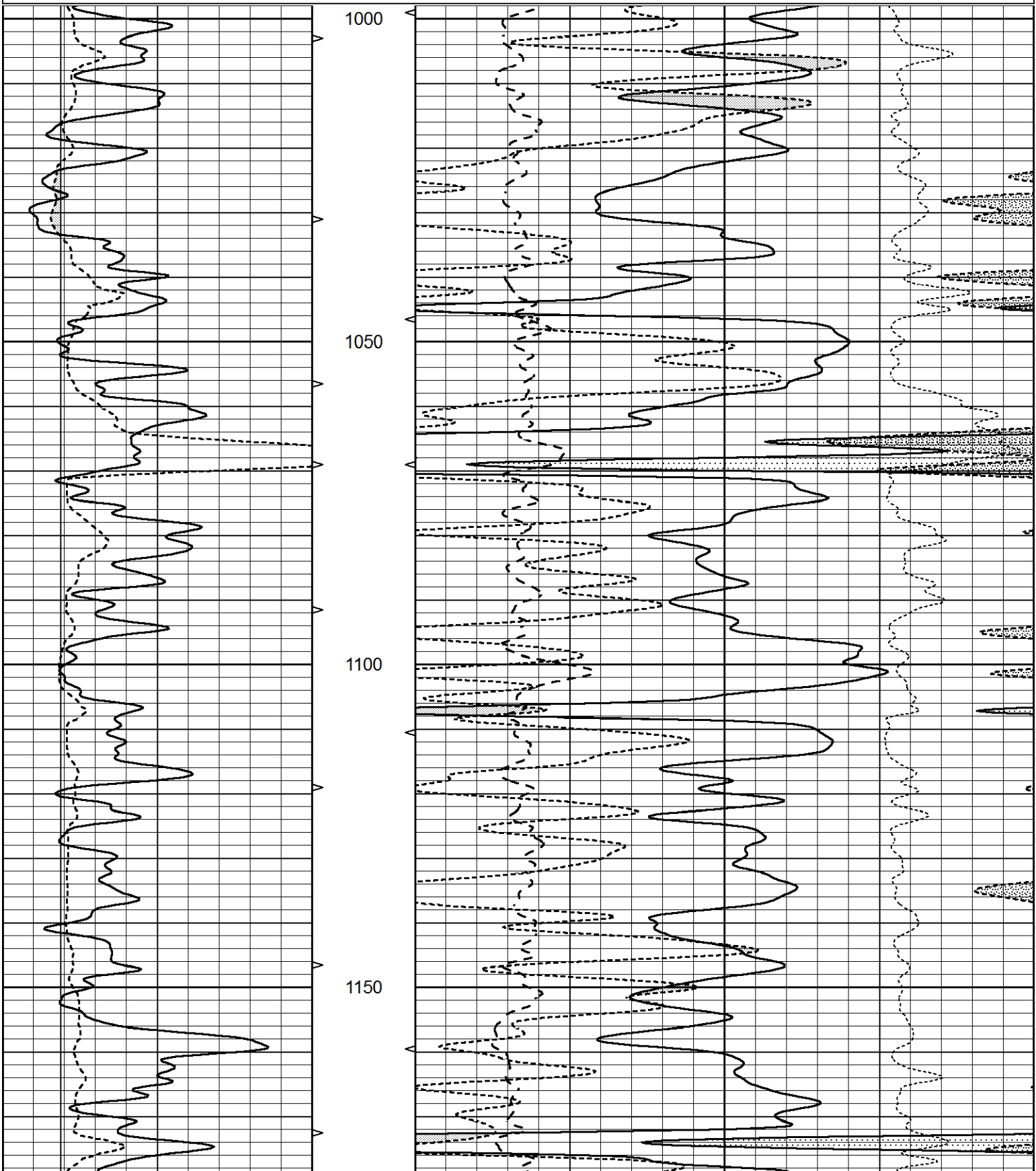
MOUNDRIDGE, KS. - I 35 & EXIT 46 (ARROWHEAD RD.)
3/4 EAST - NORTH INTO

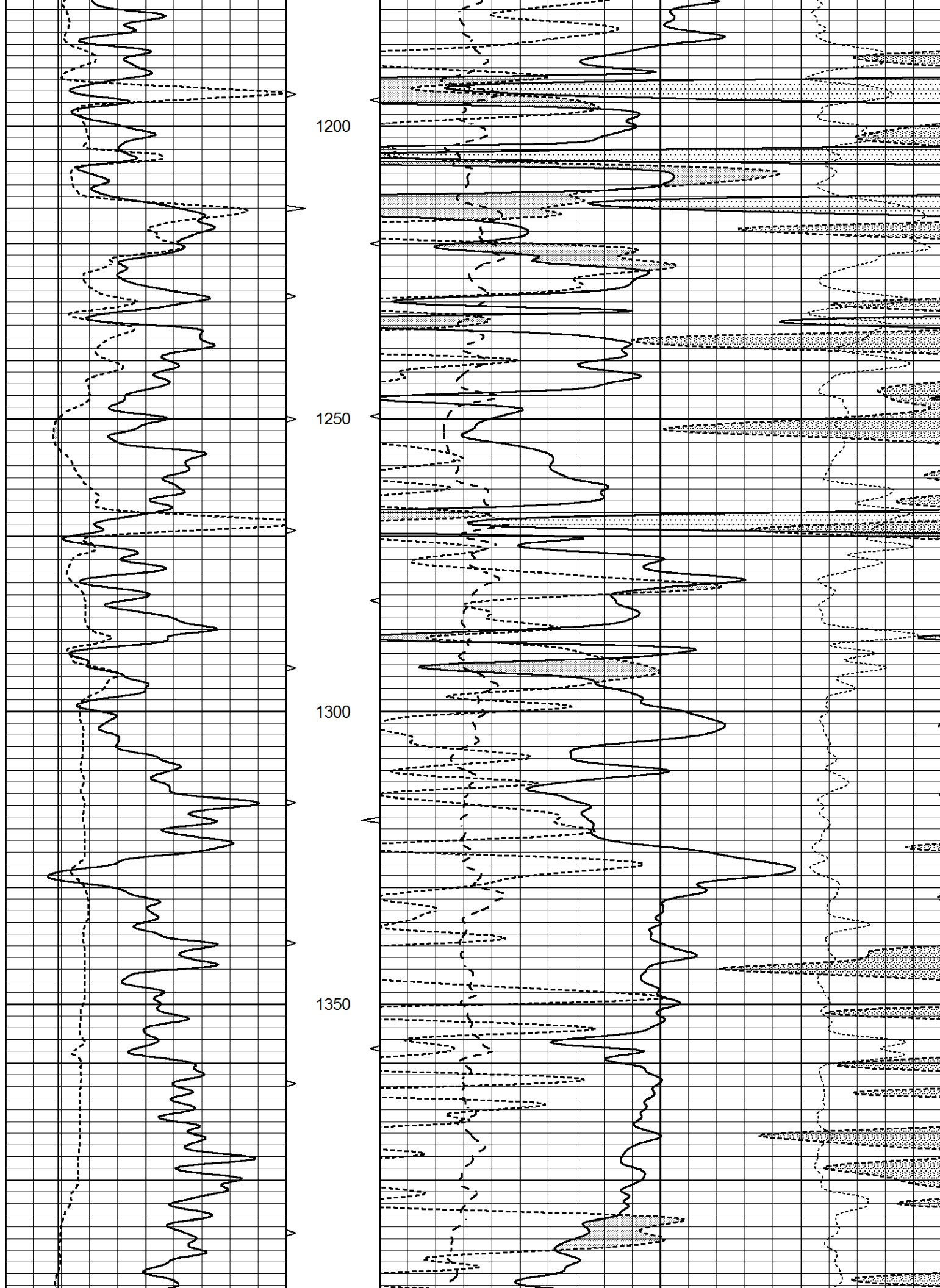


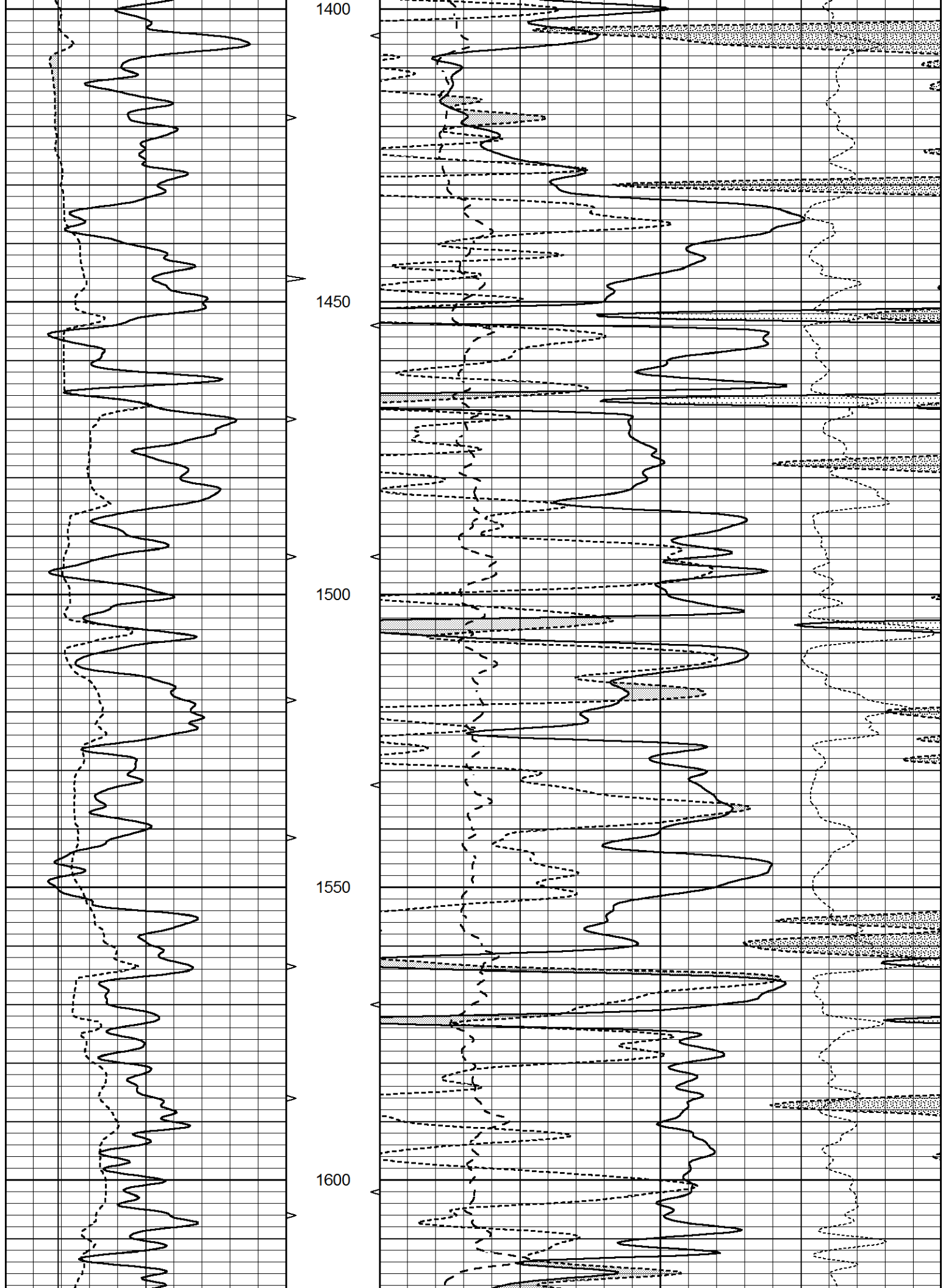
MAIN SECTION

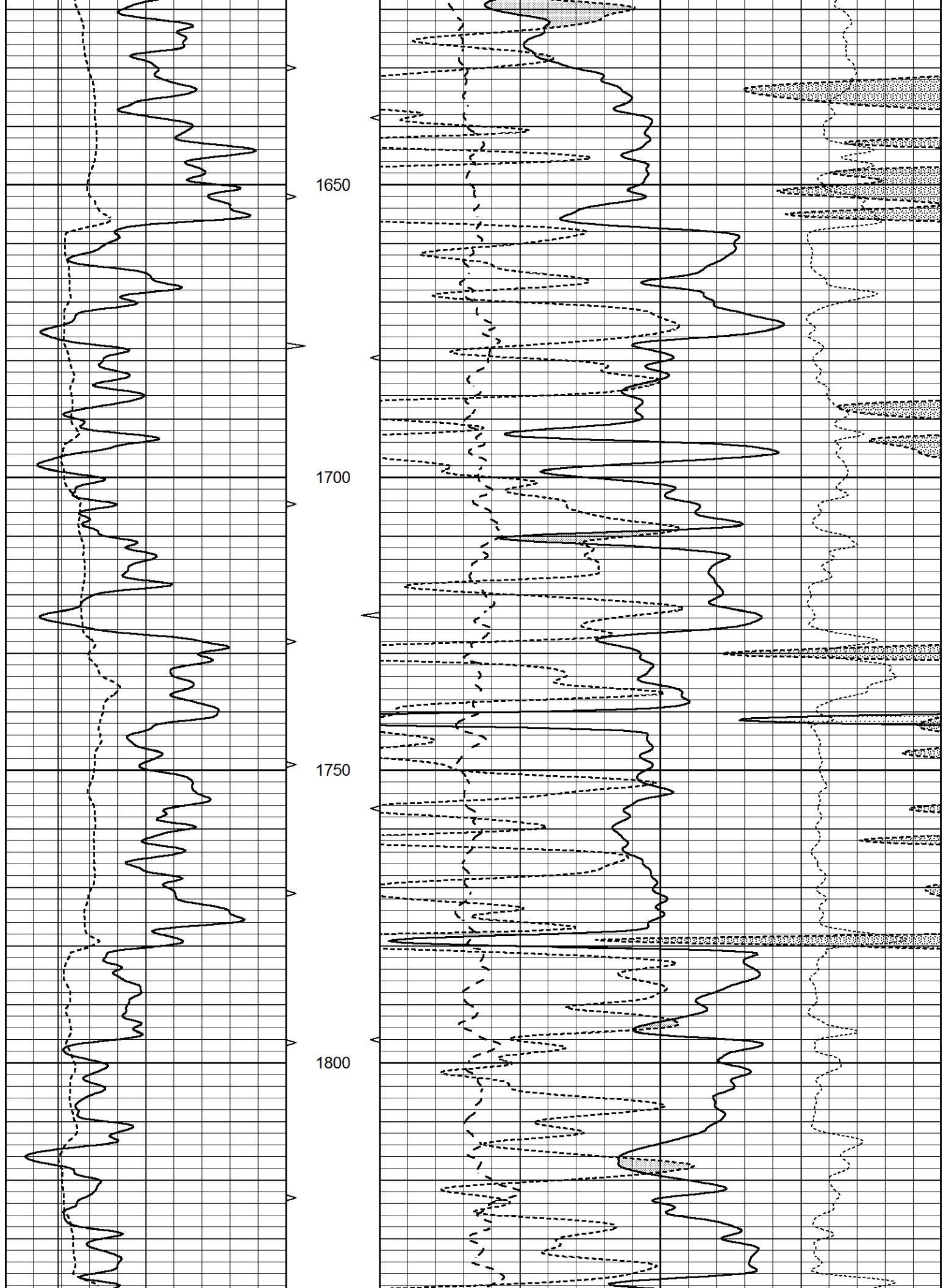
Database File	3994pe8.db
Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Fri Sep 20 17:34:09 2019
Charted by	Depth in Feet scaled 1:240

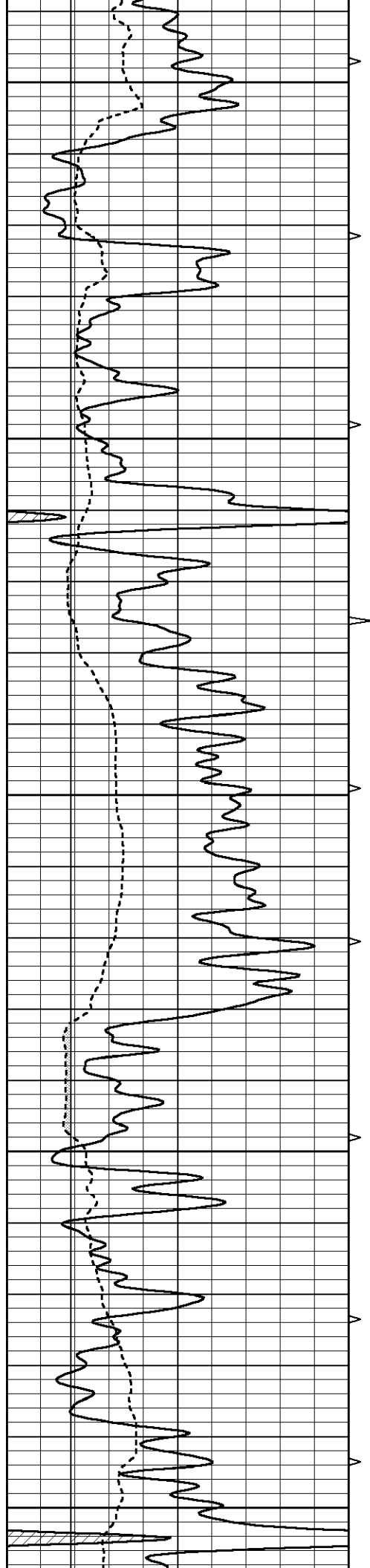
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10		
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10	
			TBHV	0	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10						











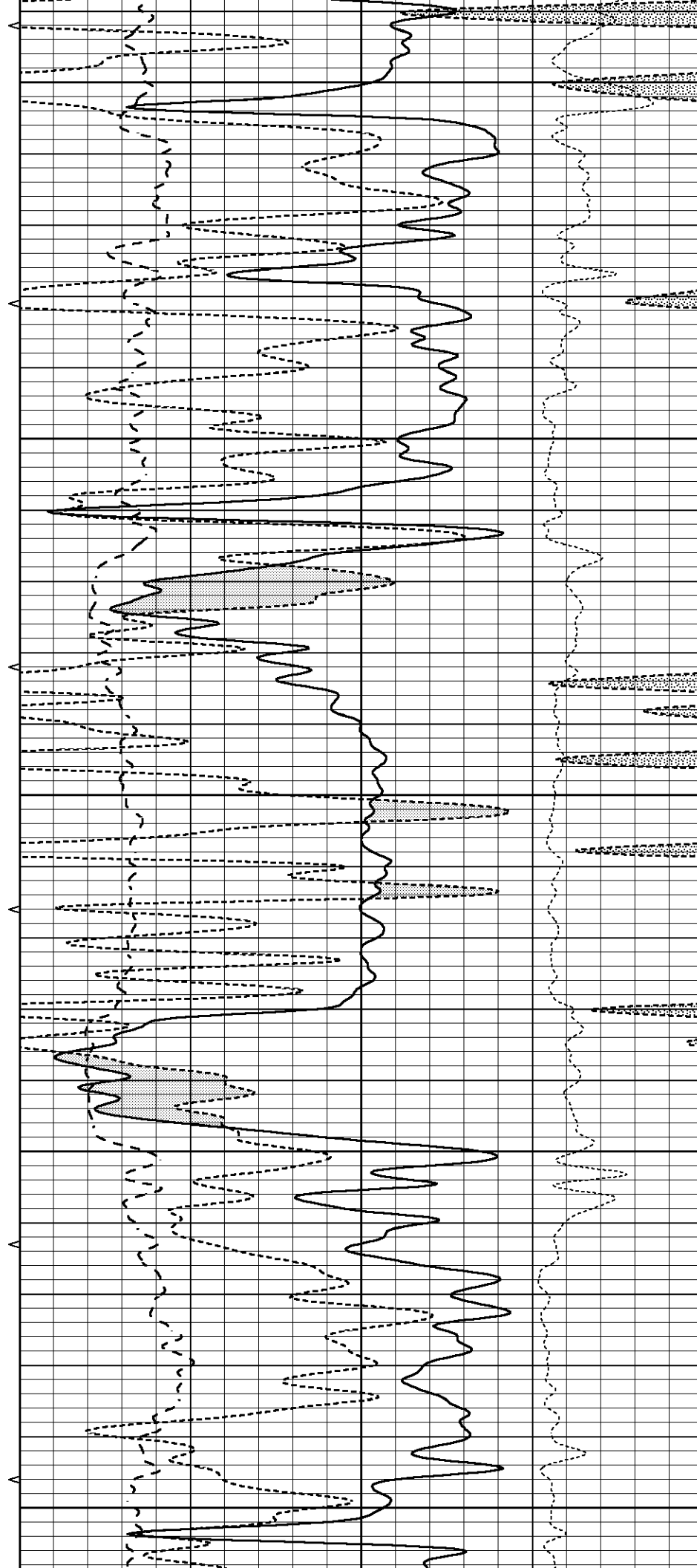
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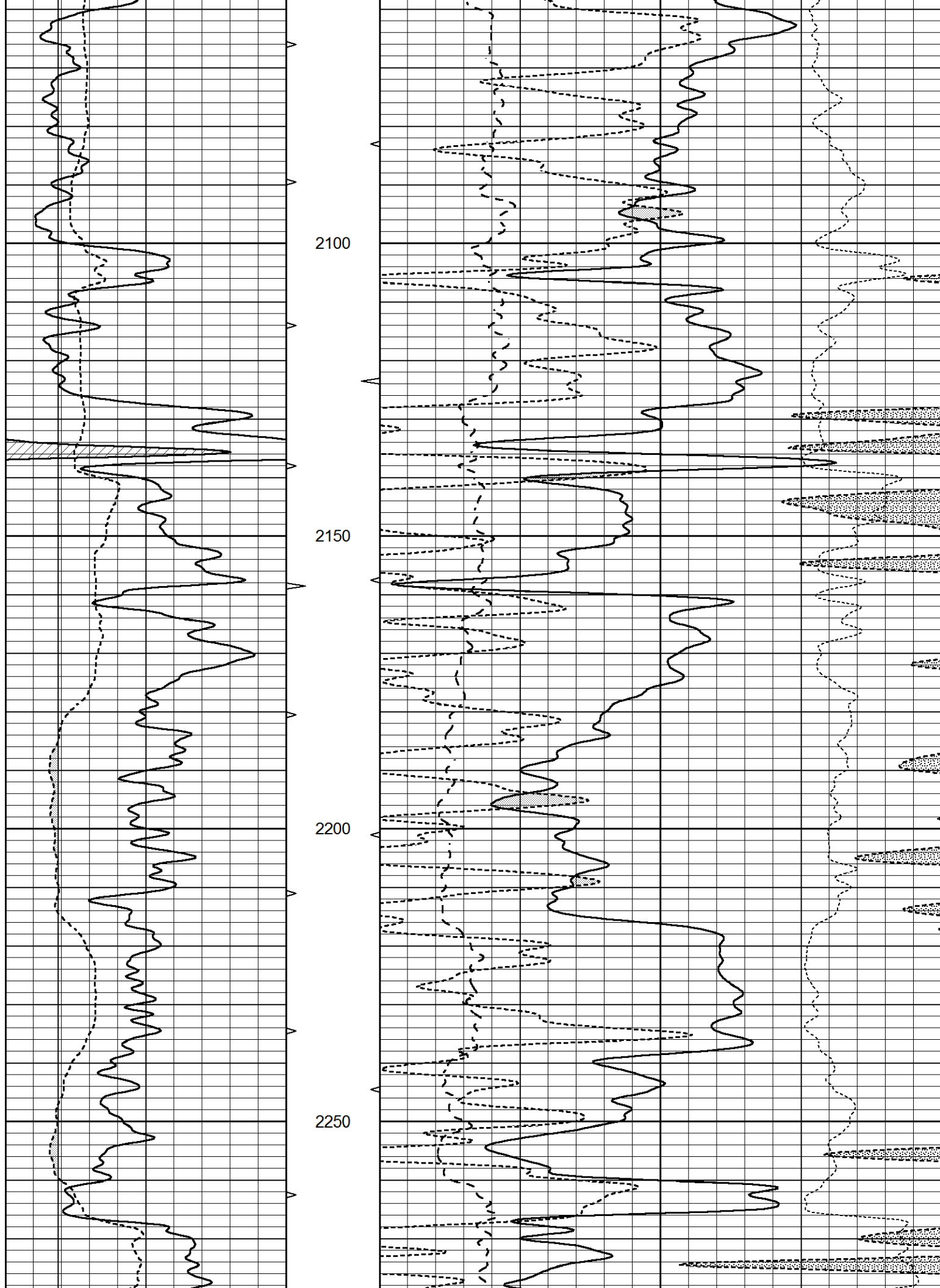
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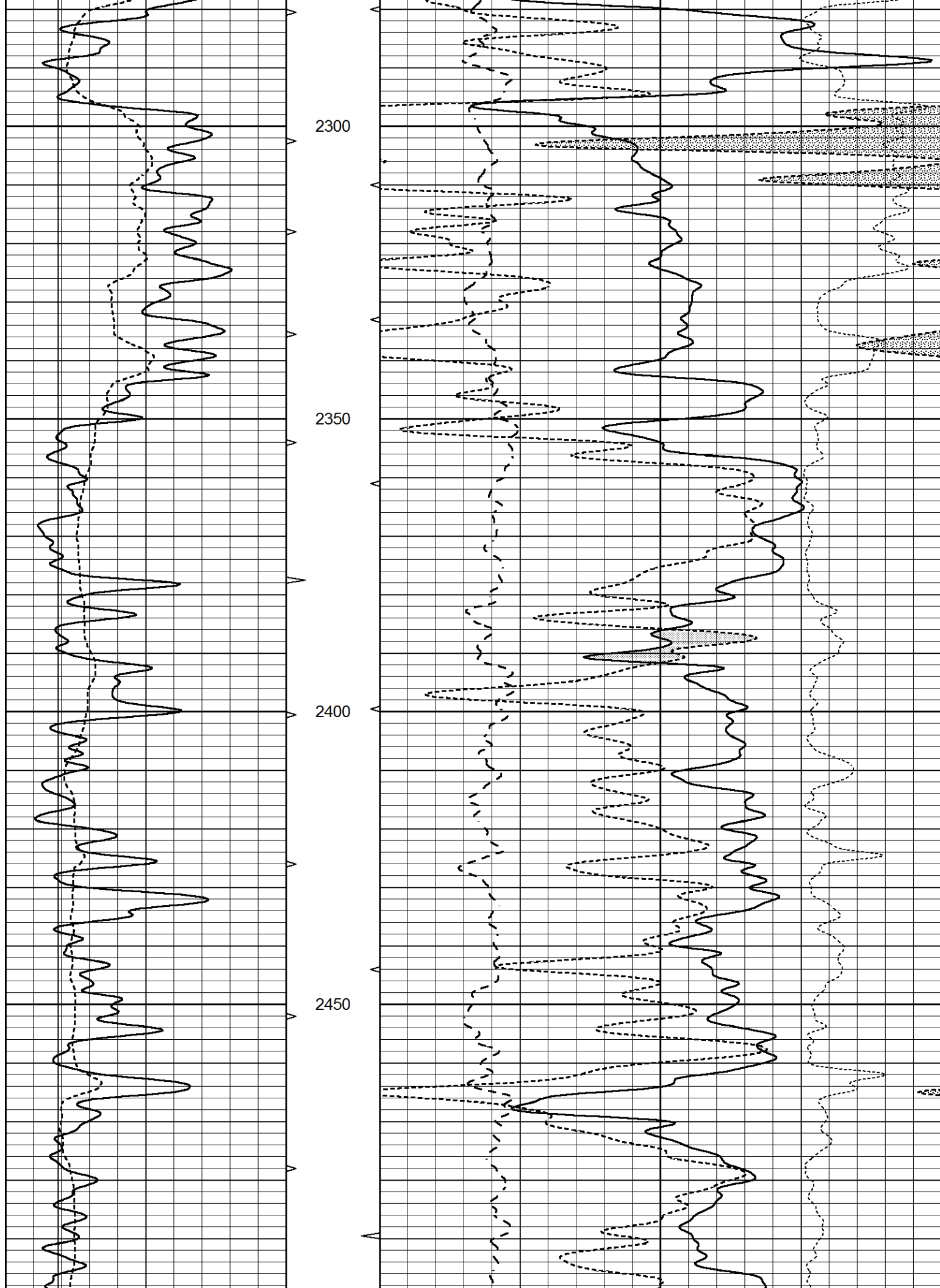
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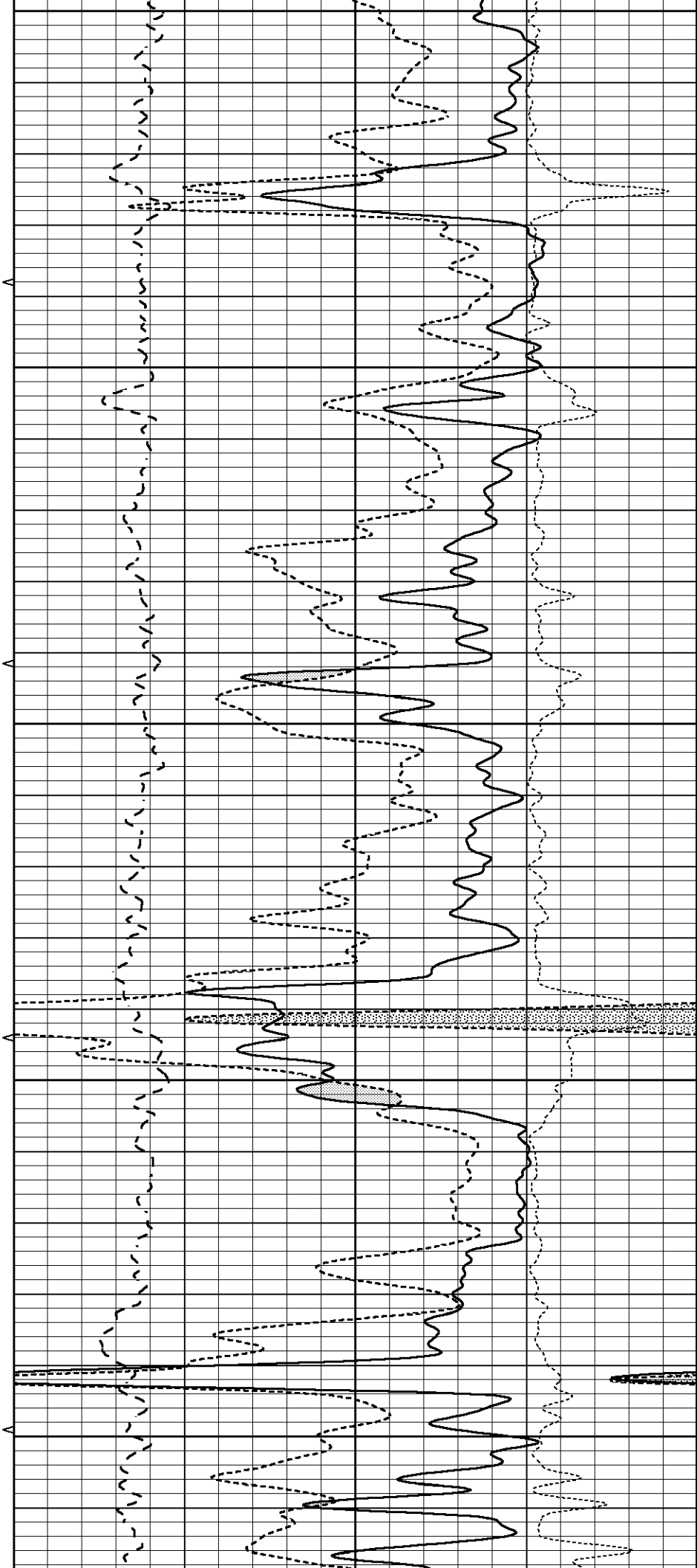
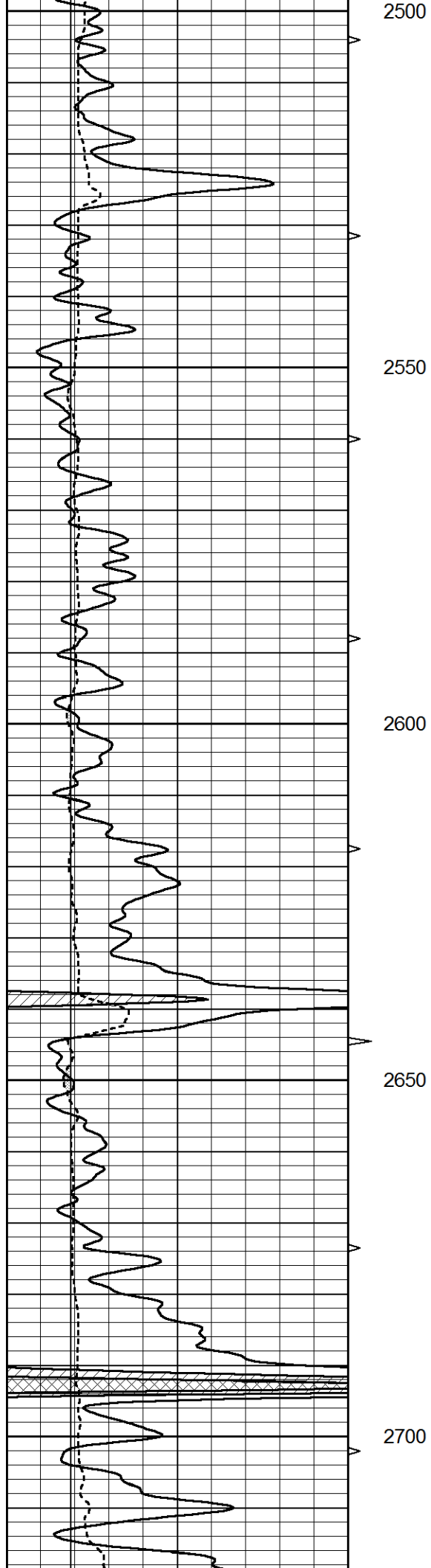
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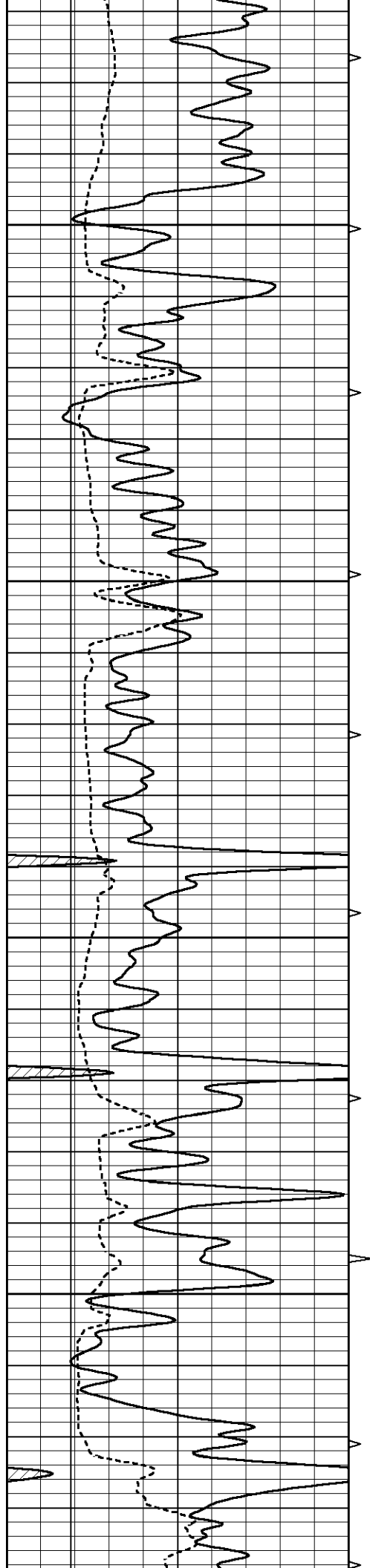
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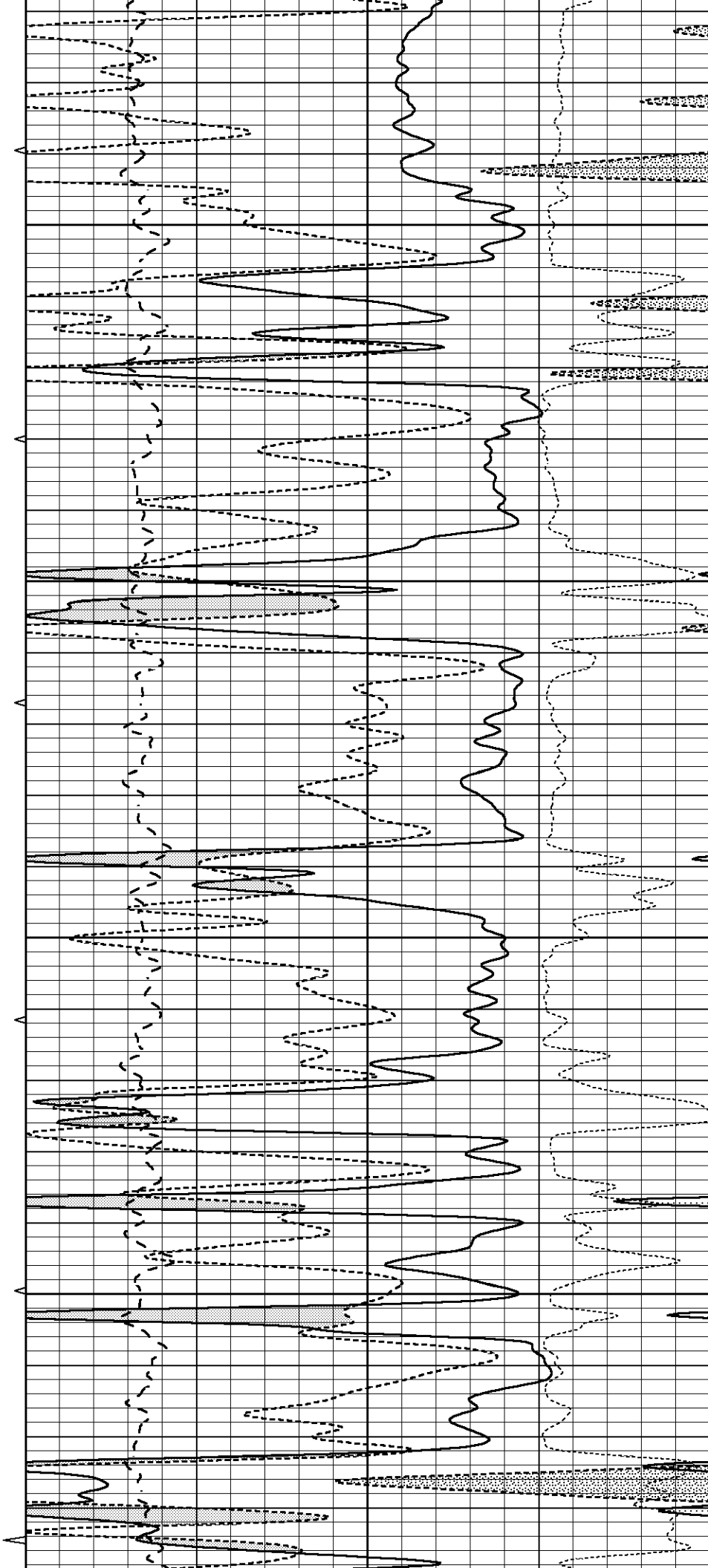


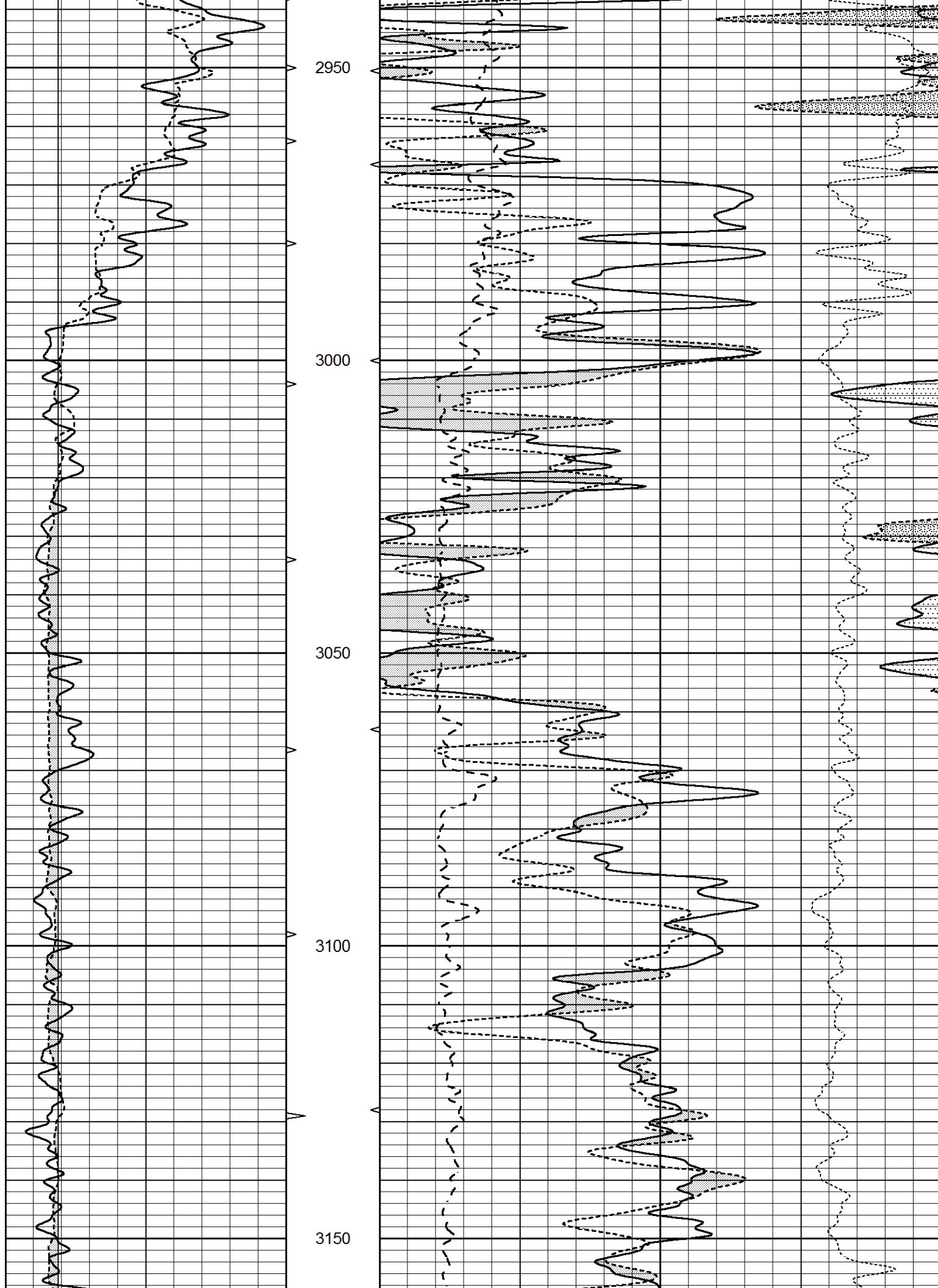
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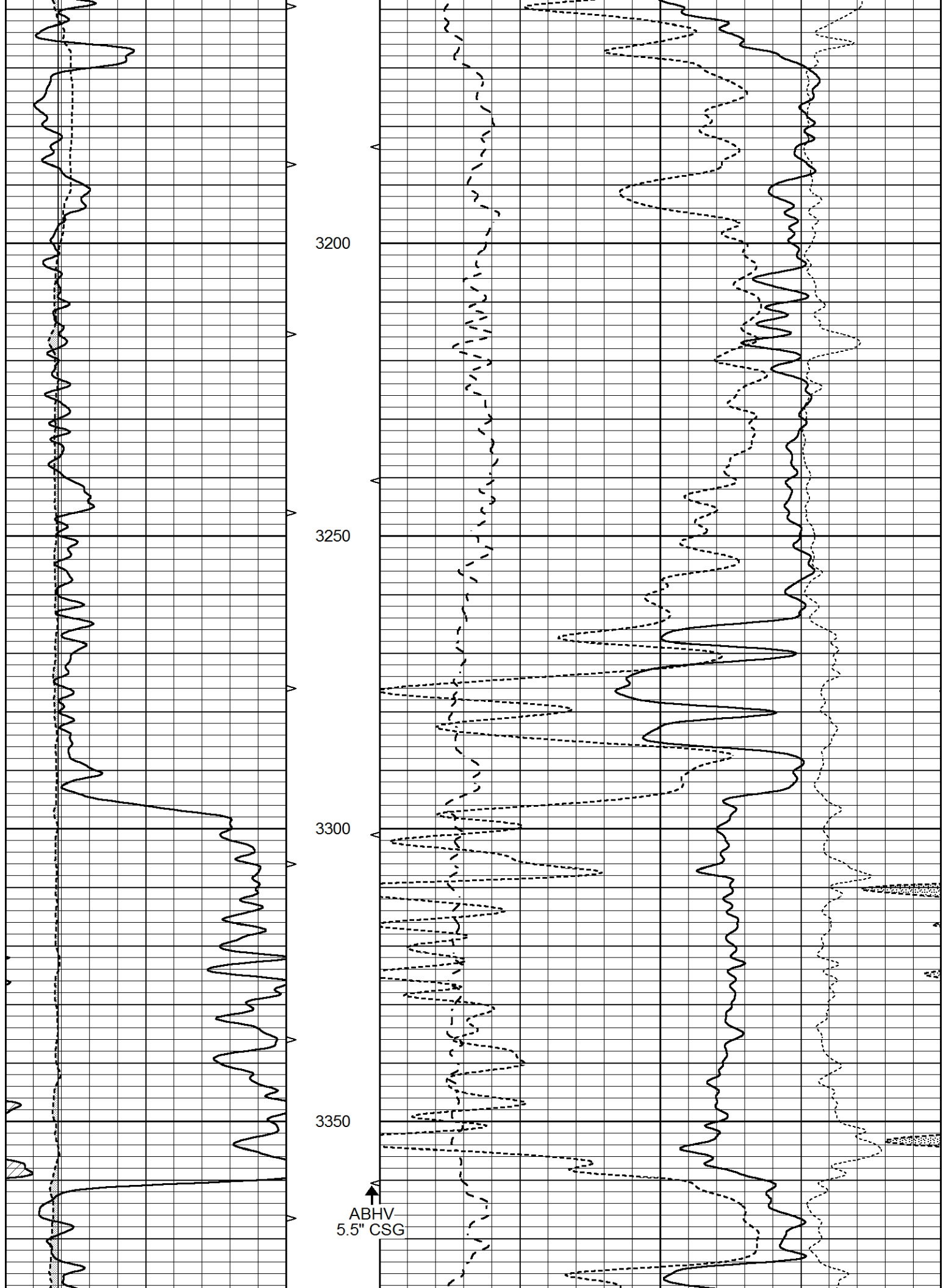
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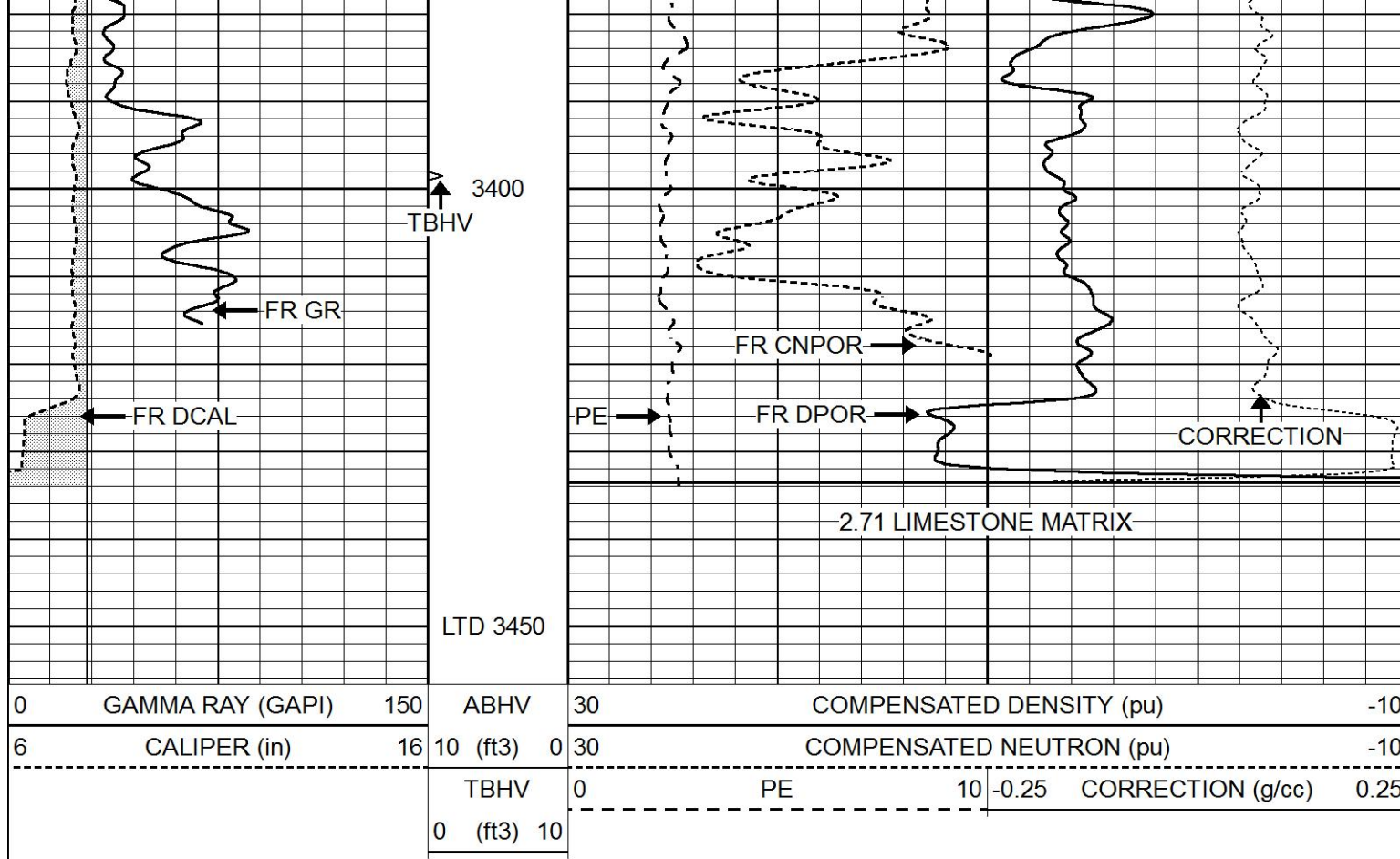
2850

2900





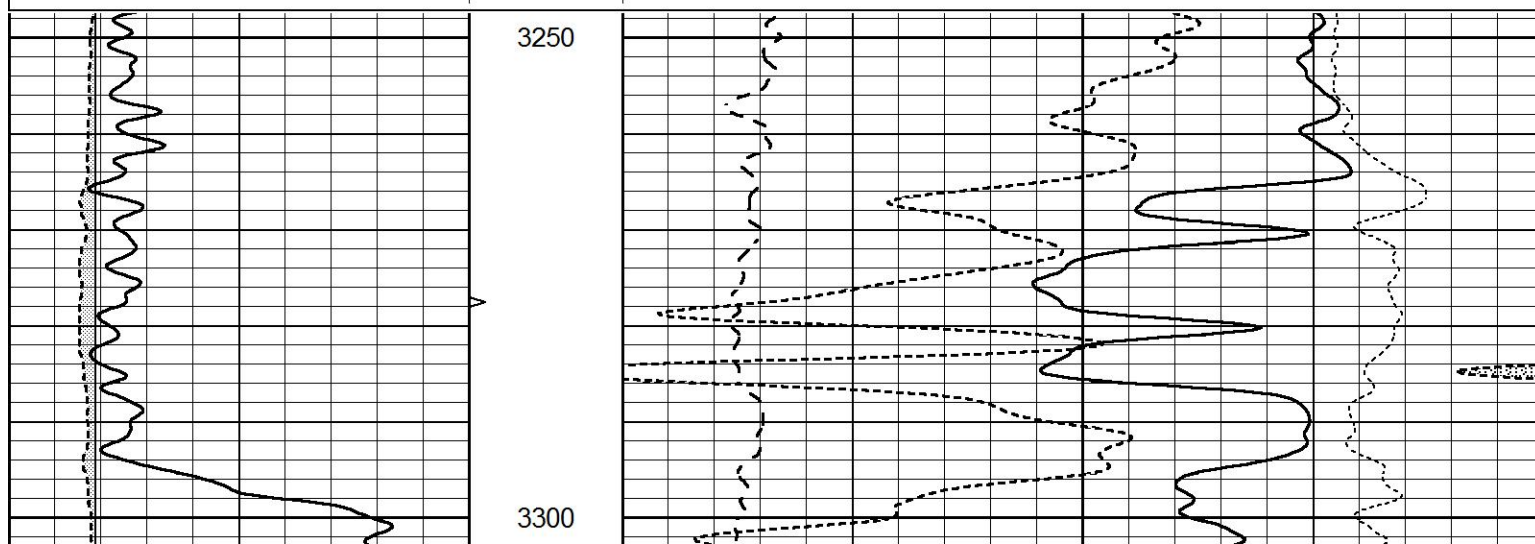


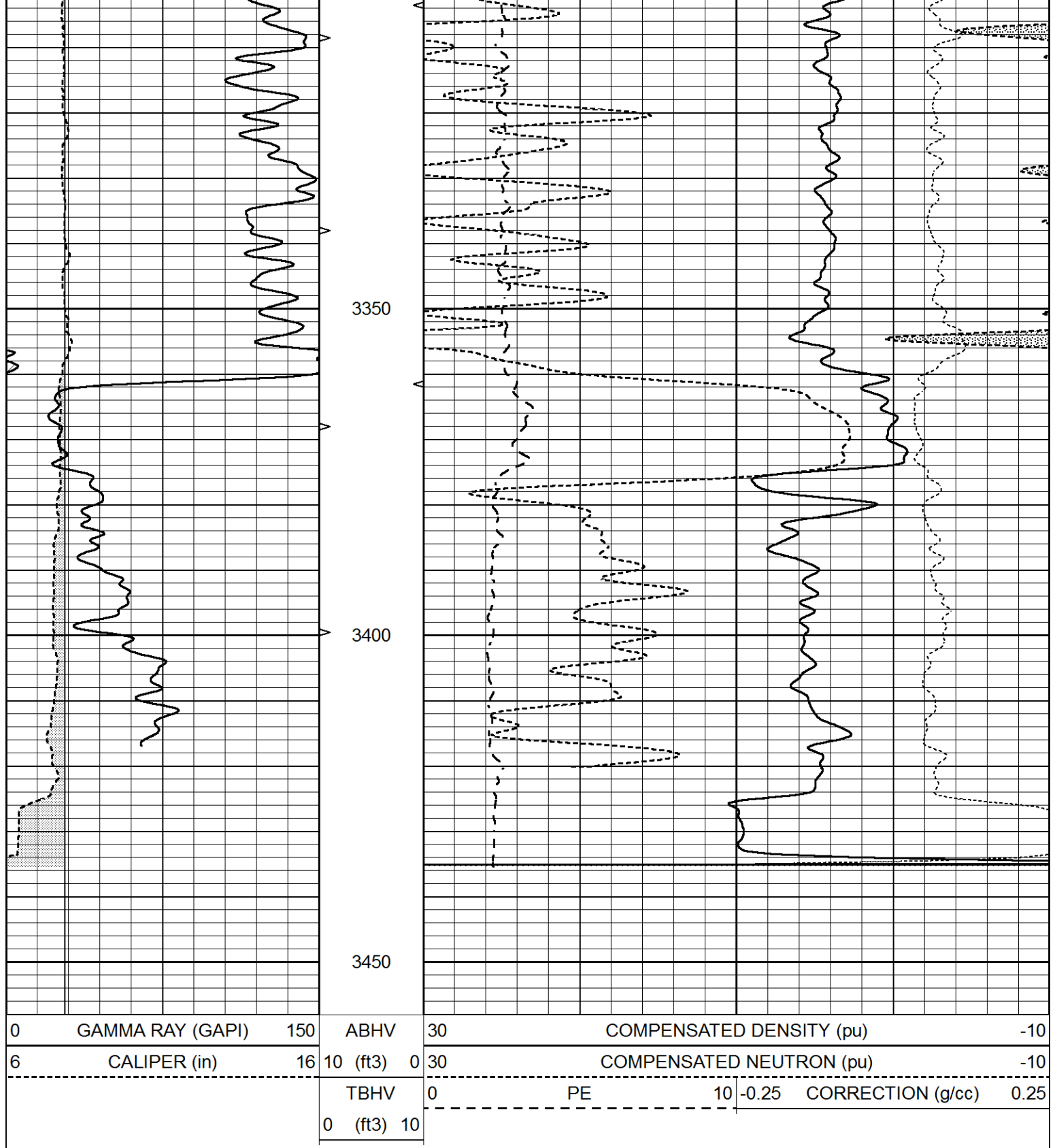


REPEAT SECTION

Database File 3994pe8.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Fri Sep 20 17:06:24 2019
 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			





Calibration Report

Database File 3994pe8.db
 Dataset Pathname pass2.1
 Dataset Creation Fri Sep 20 17:06:24 2019

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		

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Compensated Neutron Calibration Report
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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 Feb 19 11:45:10 2019
Calibrator Value:	1.0
	GAPI
Background Reading:	0.0
Calibrator Reading:	1.0
	cps
Sensitivity:	0.4300
	GAPI/cps