



COMPENSATED DENSITY / NEUTRON PE LOG

Company	MULL DRILLING COMPANY, INC.	Company	MULL DRILLING COMPANY, INC.
Well	GILLASPIE #1-1	Well	GILLASPIE #1-1
Field	WILDCAT	Field	WILDCAT
County	MORRIS	County	MORRIS
State	KANSAS	State	KANSAS
Location:	API # : 15-127-20602-0000	Other Services DIL/ME SONIC	
Permanent Datum	GROUND LEVEL	Elevation	1455
Log Measured From	KELLY BUSHING 12' A.G.L.		
Drilling Measured From	KELLY BUSHING		
	SEC 1 TWP 16S RGE 7E		
Date	10/20/20		
Run Number	ONE		
Depth Driller	2060		
Depth Logger	2059		
Bottom Logged Interval	2035		
Top Log Interval	400		
Casing Driller	8 5/8"@224'		
Casing Logger	224		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 940 PPM	
Density / Viscosity	9.4/45		
pH / Fluid Loss	10.5/9.1		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.80@78F		
Rmf @ Meas. Temp	1.35@78F		
Rmc @ Meas. Temp	2.16@78F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.42@99F		
Time Circulation Stopped	8 HOURS		
Time Logger on Bottom	5:30 P.M.		
Maximum Recorded Temperature	99F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	RUSTY MOURNING		

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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.

15-127-20602-0000

Comments

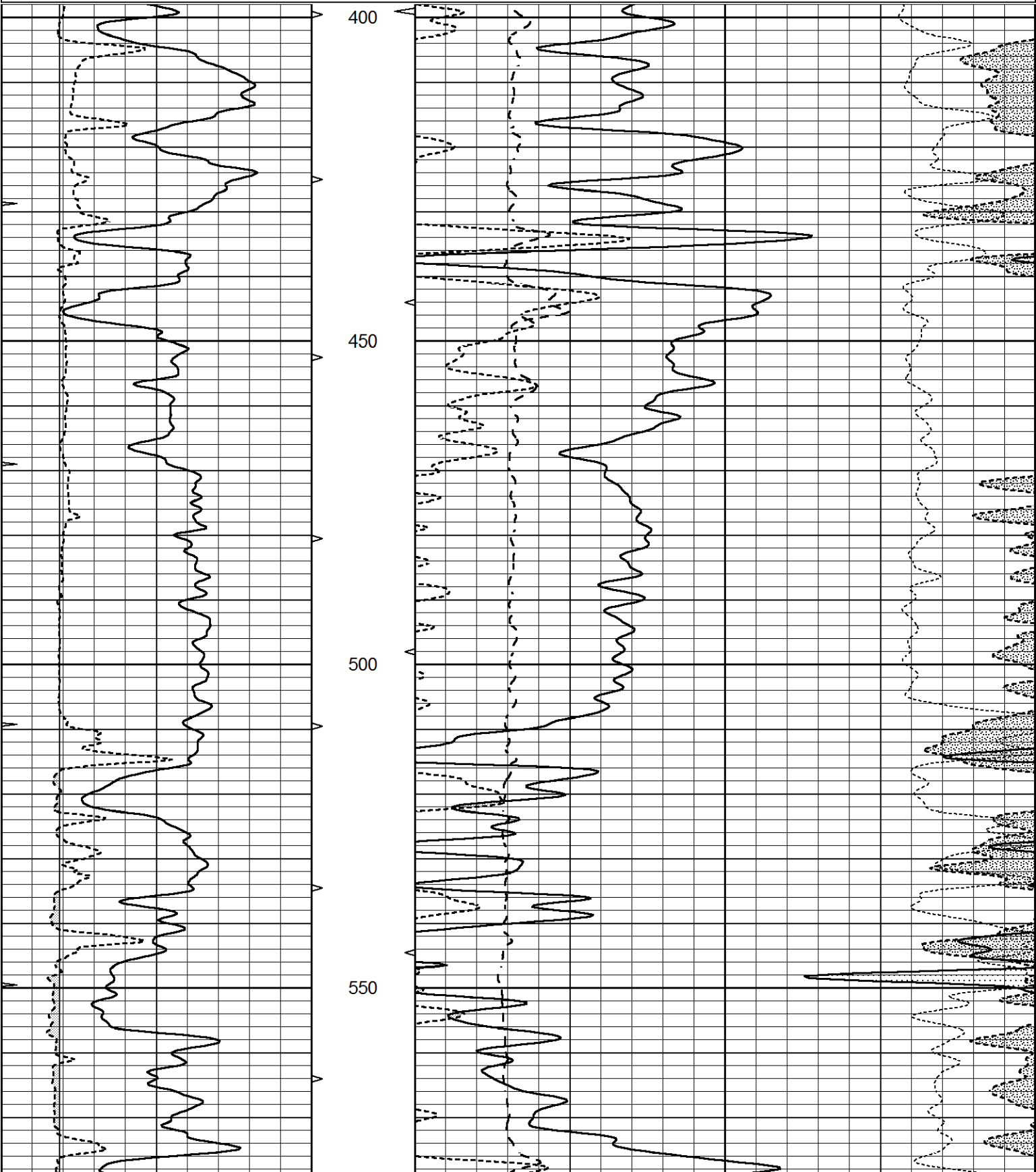
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
COUNCIL GROVE, KS., 6W. ON HWY 56 TO "RD. 1400", 2N., 1/4W., N. INTO

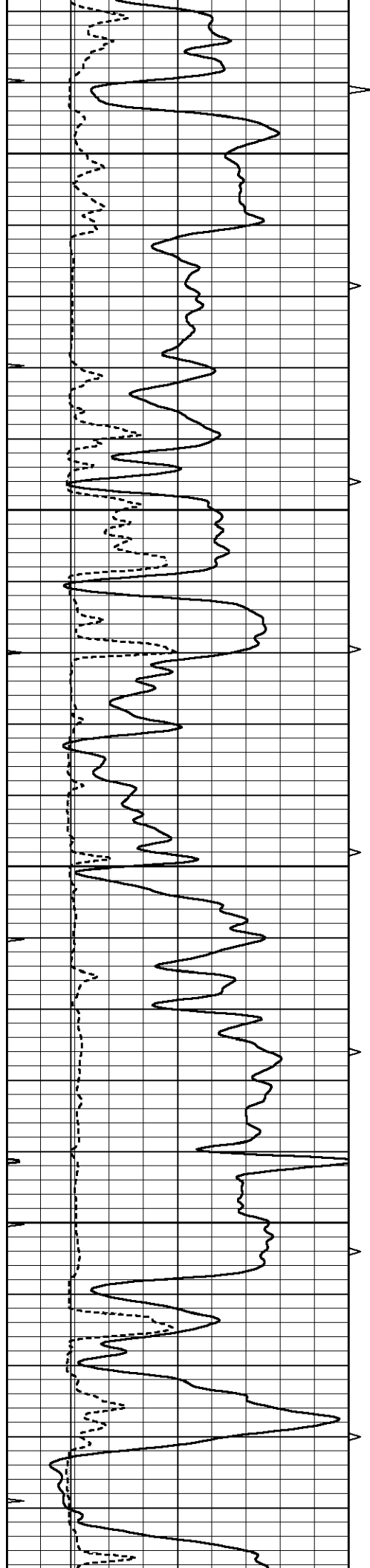


MAIN SECTION

Database File	4813pe.db
Dataset Pathname	pass3.7
Presentation Format	ldt_neu
Dataset Creation	Tue Oct 20 19:06:00 2020
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
			0 (ft3)	10	CORRECTION (g/cc)	0.25



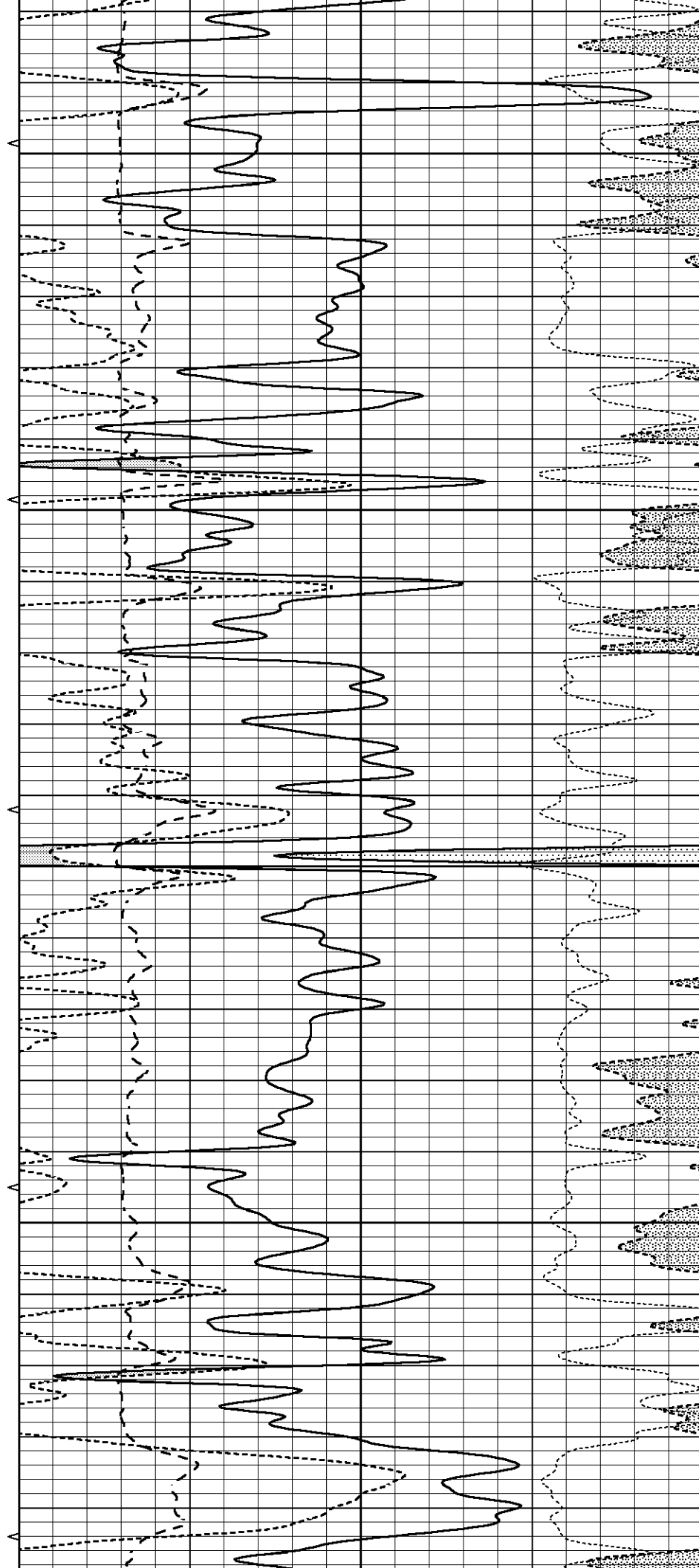


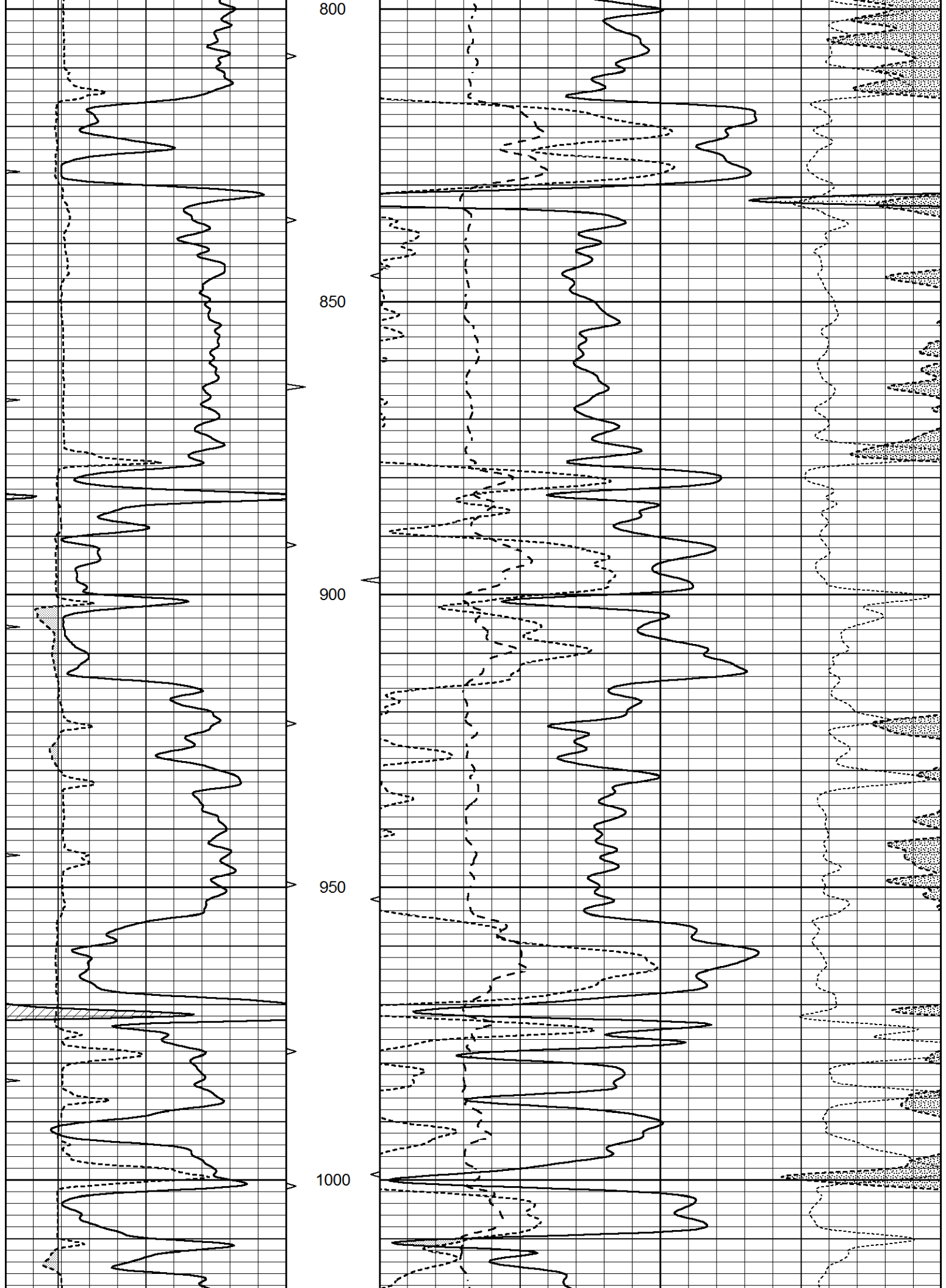
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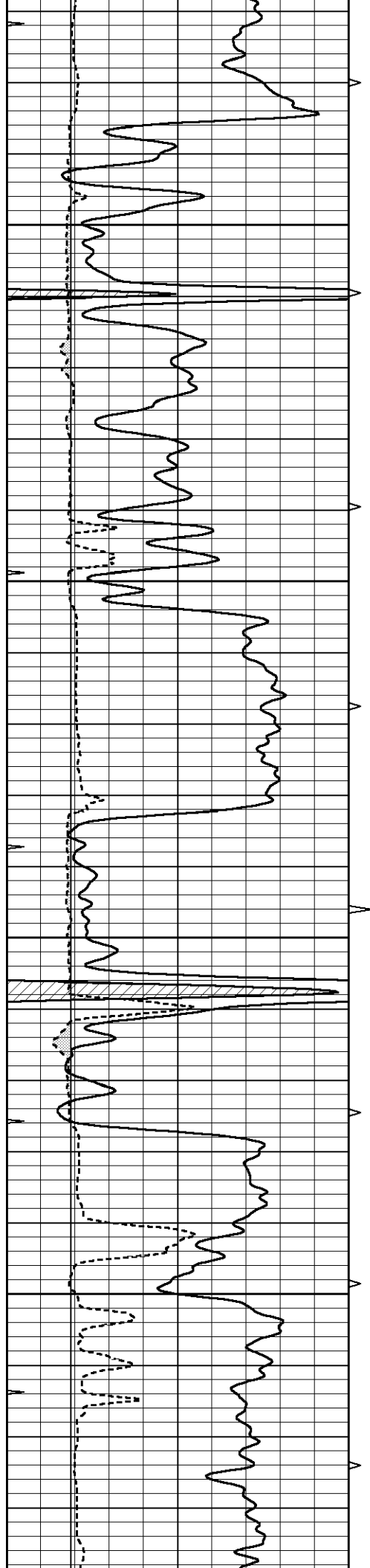
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700

750





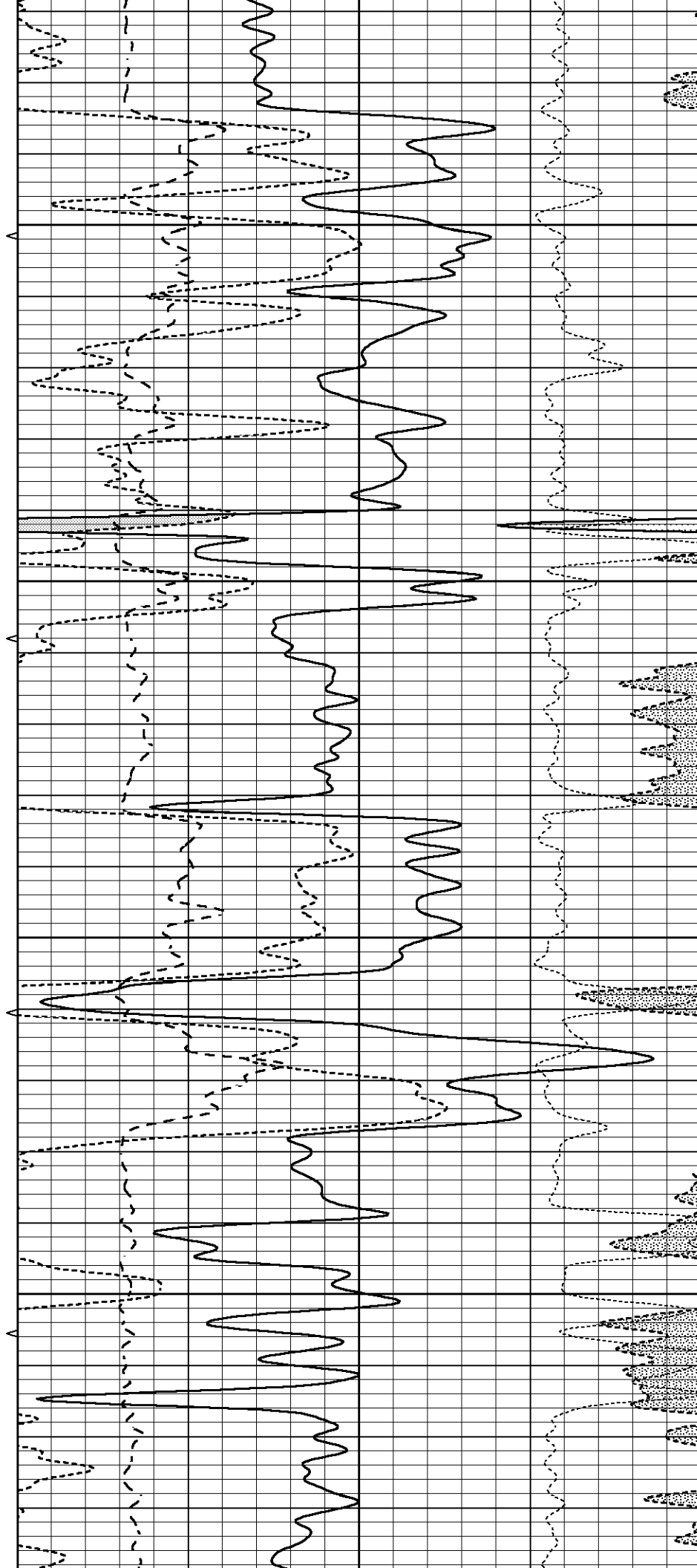


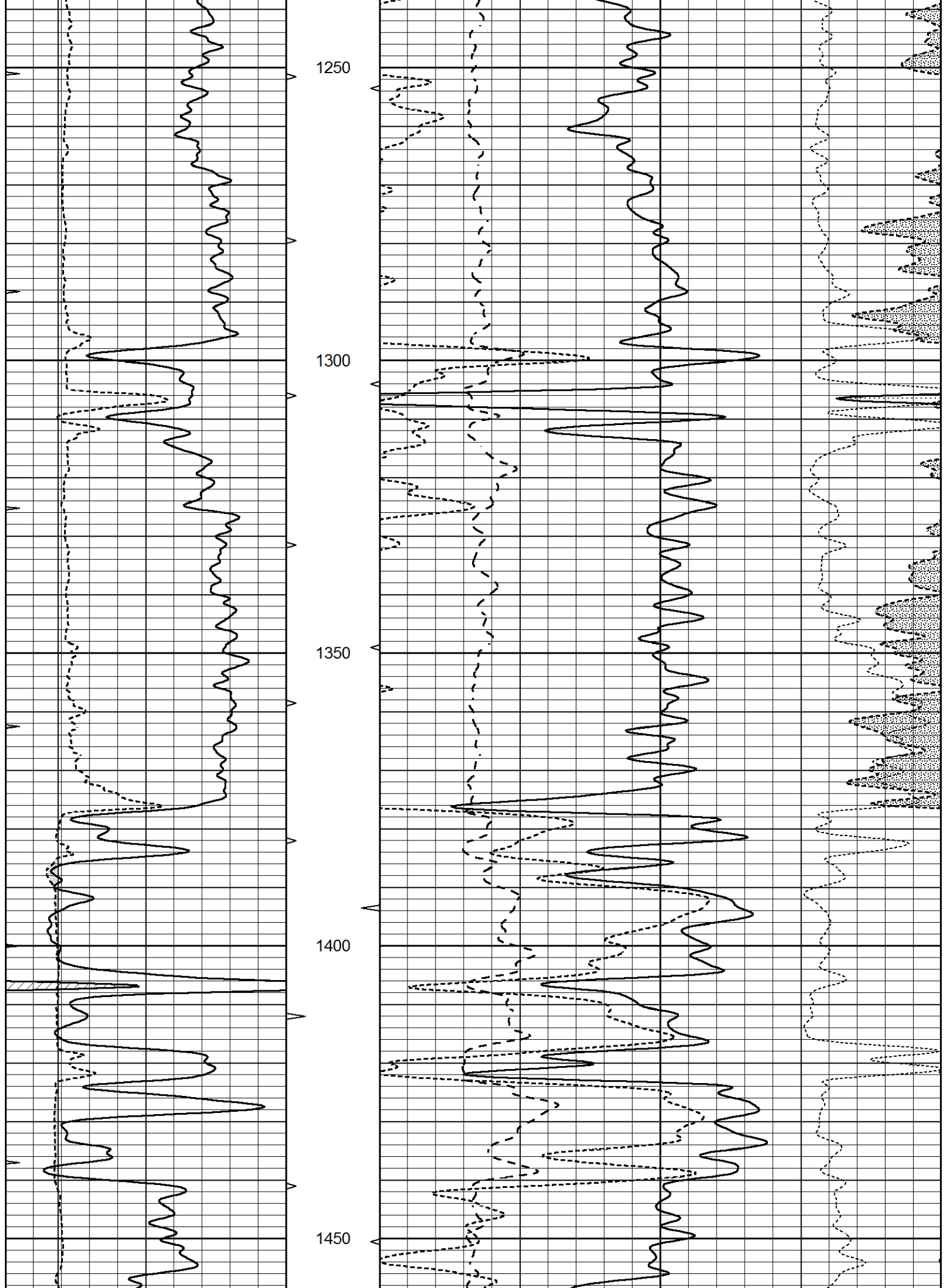
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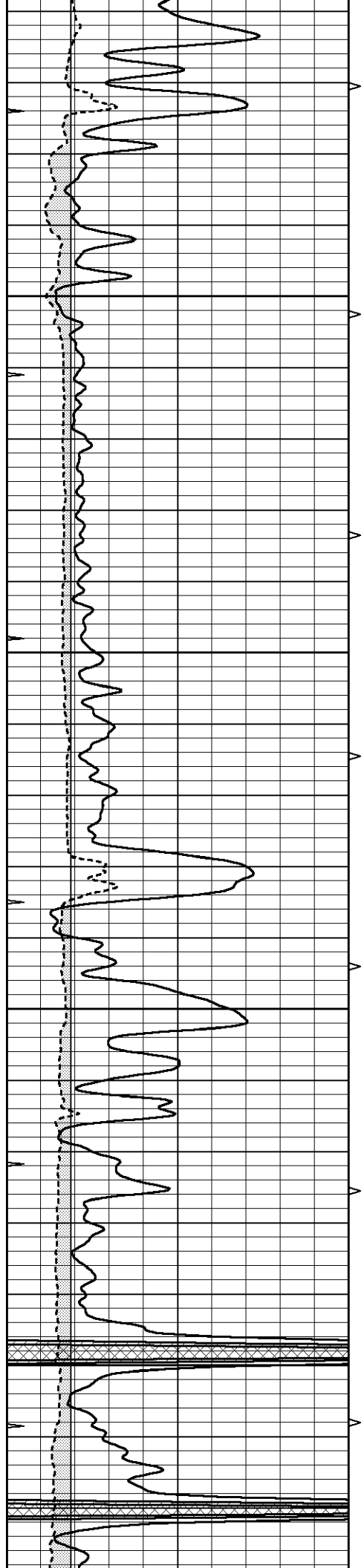
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1150

1200





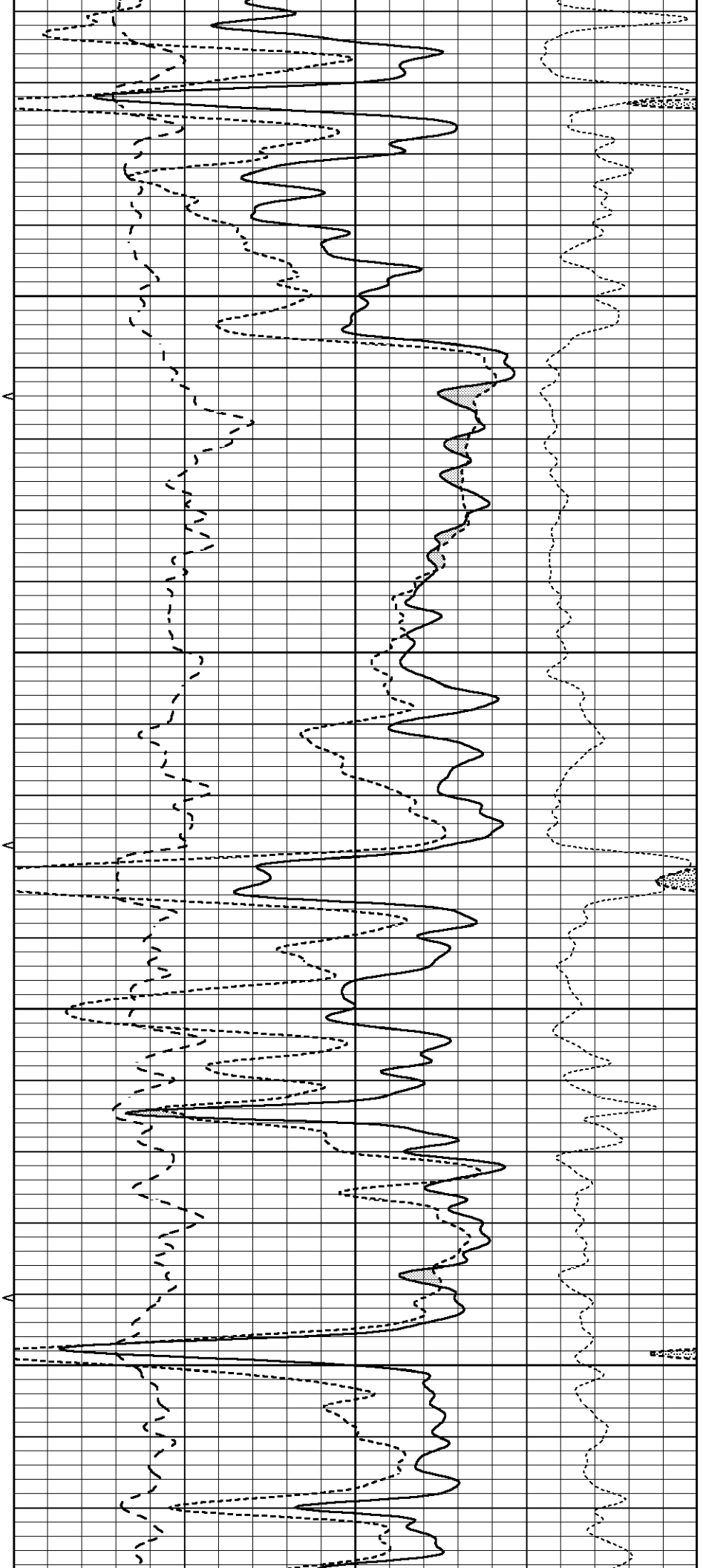


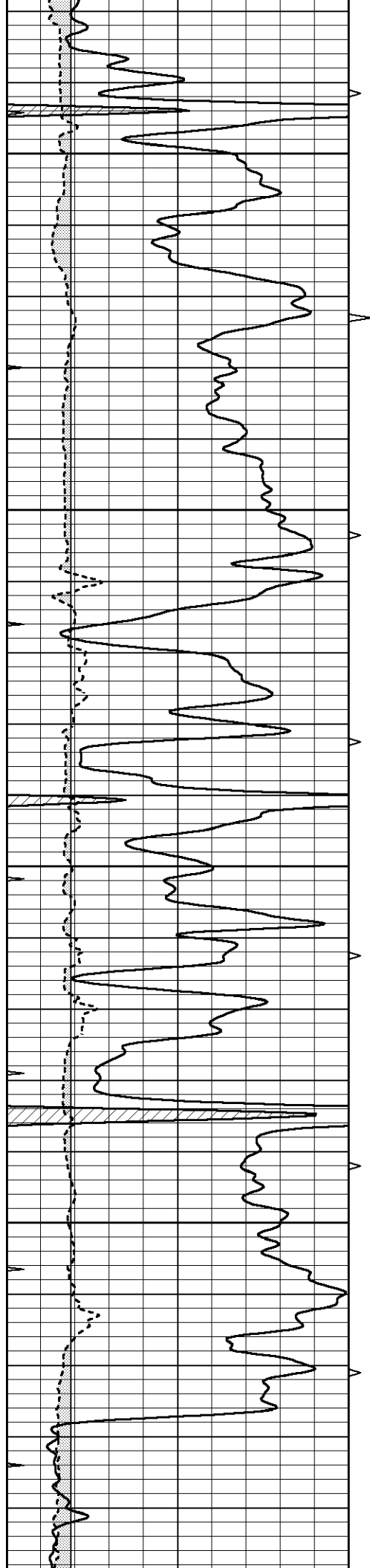
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1550

1600

1650



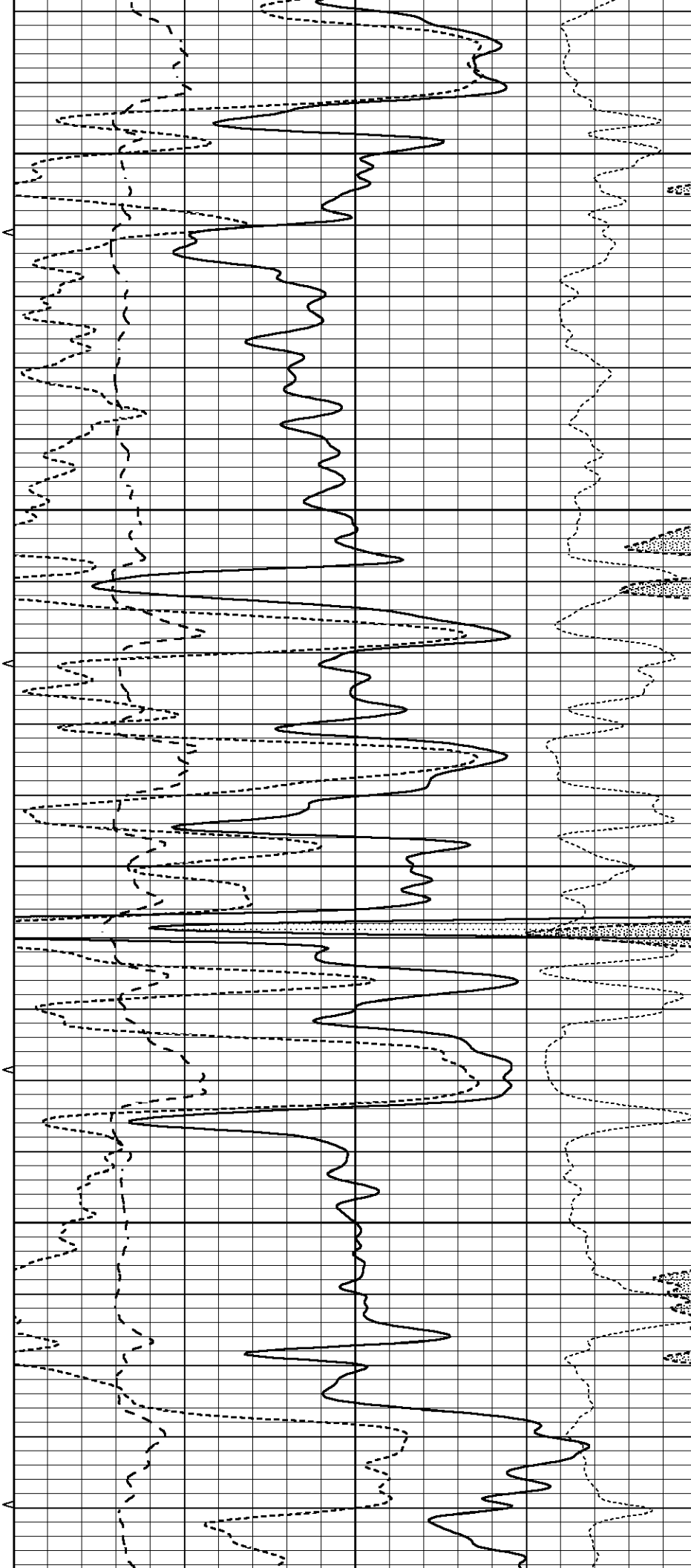


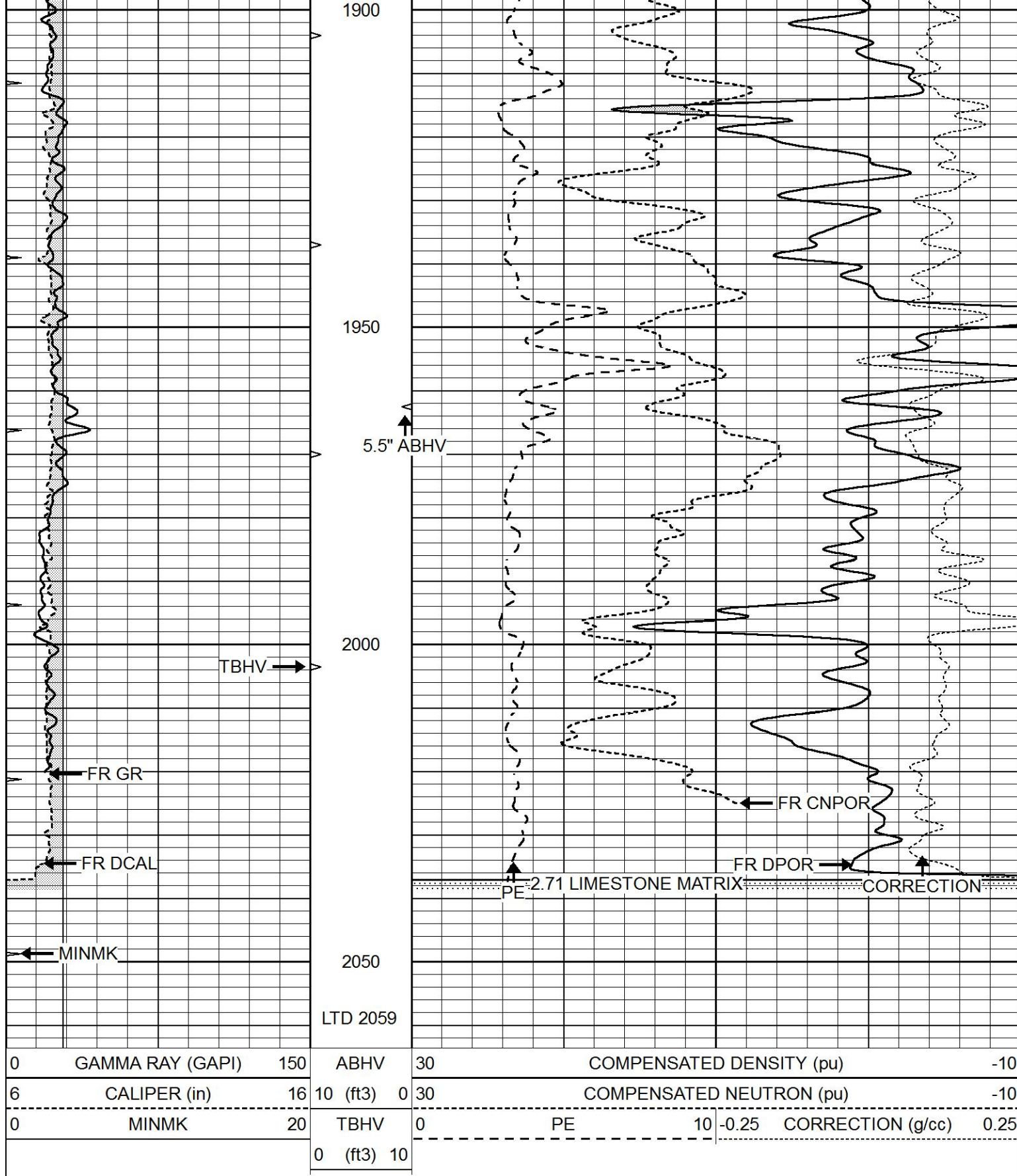
1700

1750

1800

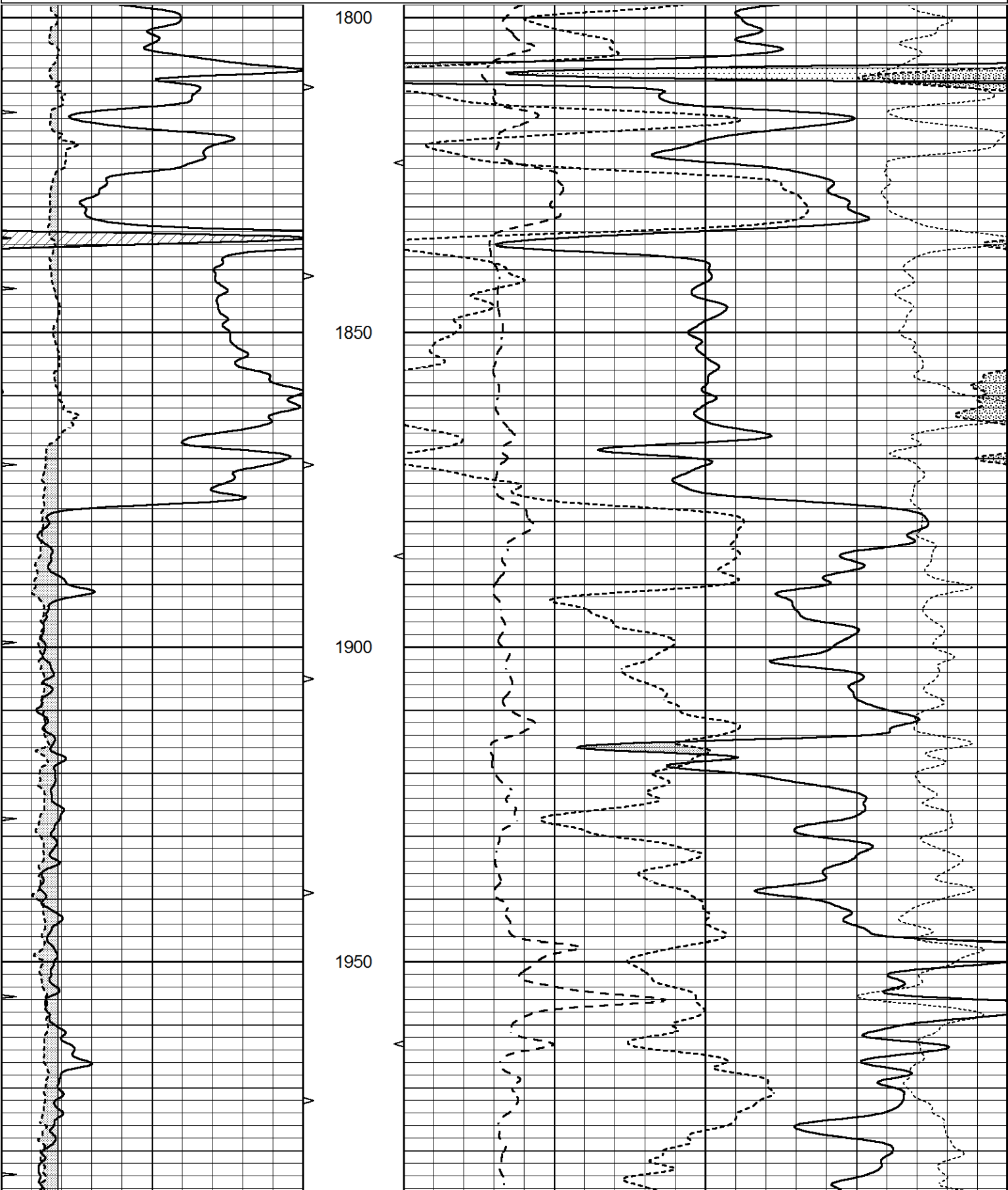
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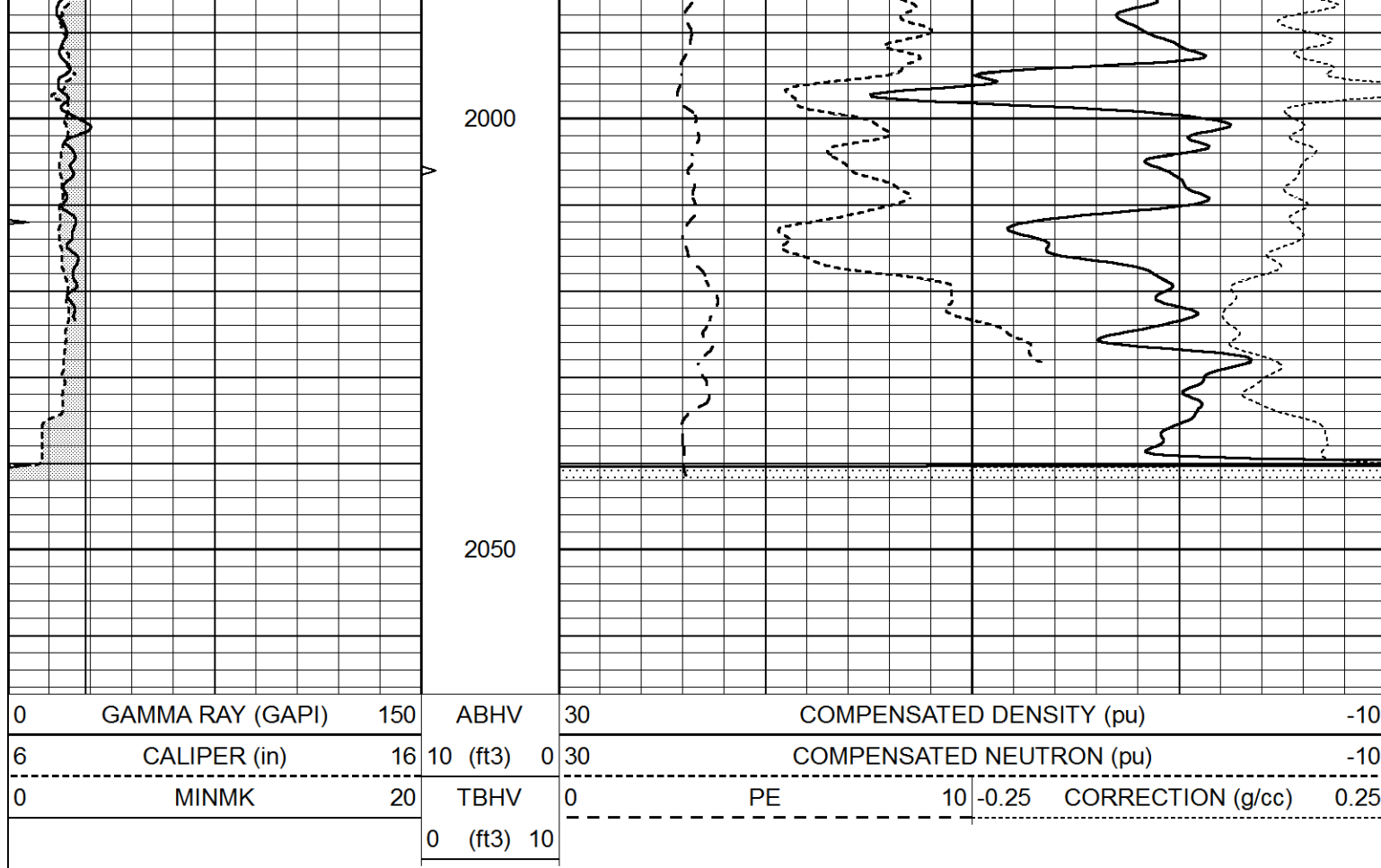




REPEAT SECTION

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					





Calibration Report								
Database File	4813pe.db							
Dataset Pathname	pass3.7							
Dataset Creation	Tue Oct 20 19:06:00 2020							
Dual Induction Calibration Report								
Serial-Model:			PROBE7-DILG					
Surface Cal Performed:			Mon Oct 12 13:20:50 2020					
Downhole Cal Performed:			Thu Mar 12 11:45:10 2020					
After Survey Verification Performed:			Thu Mar 12 11:45:00 2020					
Surface Calibration								
		Readings			References		Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	620.000	2.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	675.000	-50.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102
Downhole Calibration								
		Readings			References		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

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 Jul 03 10:25:53 2019

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:	0.3000	GAPI/cps
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