



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

Company	LOTUS OPERATING COMPANY, LLC		
Well	ROSE #2		
Field			
County	BARBER	State	KANSAS
Location:	API # : 15-007-23590		Other Services DIL SONIC/MEL
SEC 25 TWP 34S RGE 12W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1398
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B.	1406
Drilling Measured From	KELLY BUSHING	D.F.	
		G.L.	1398
Date	9-29-10		
Run Number	ONE		
Depth Driller	5252		
Depth Logger	5252		
Bottom Logged Interval	5228		
Top Log Interval	3600		
Casing Driller	282		
Casing Logger	282		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 44		
pH / Fluid Loss	9.5 / 10.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.80 @ 83F		
Rinf @ Meas. Temp	0.60 @ 83F		
Rinc @ Meas. Temp	0.96 @ 83F		
Source of Rinf / Rinc	MEASURED		
Rim @ BHT	.520 @ 127F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	2:15 A.M.		
Maximum Recorded Temperature	127F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	TIM HELLMAN		

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: MEDICINE LODGE, 17S, W INTO.

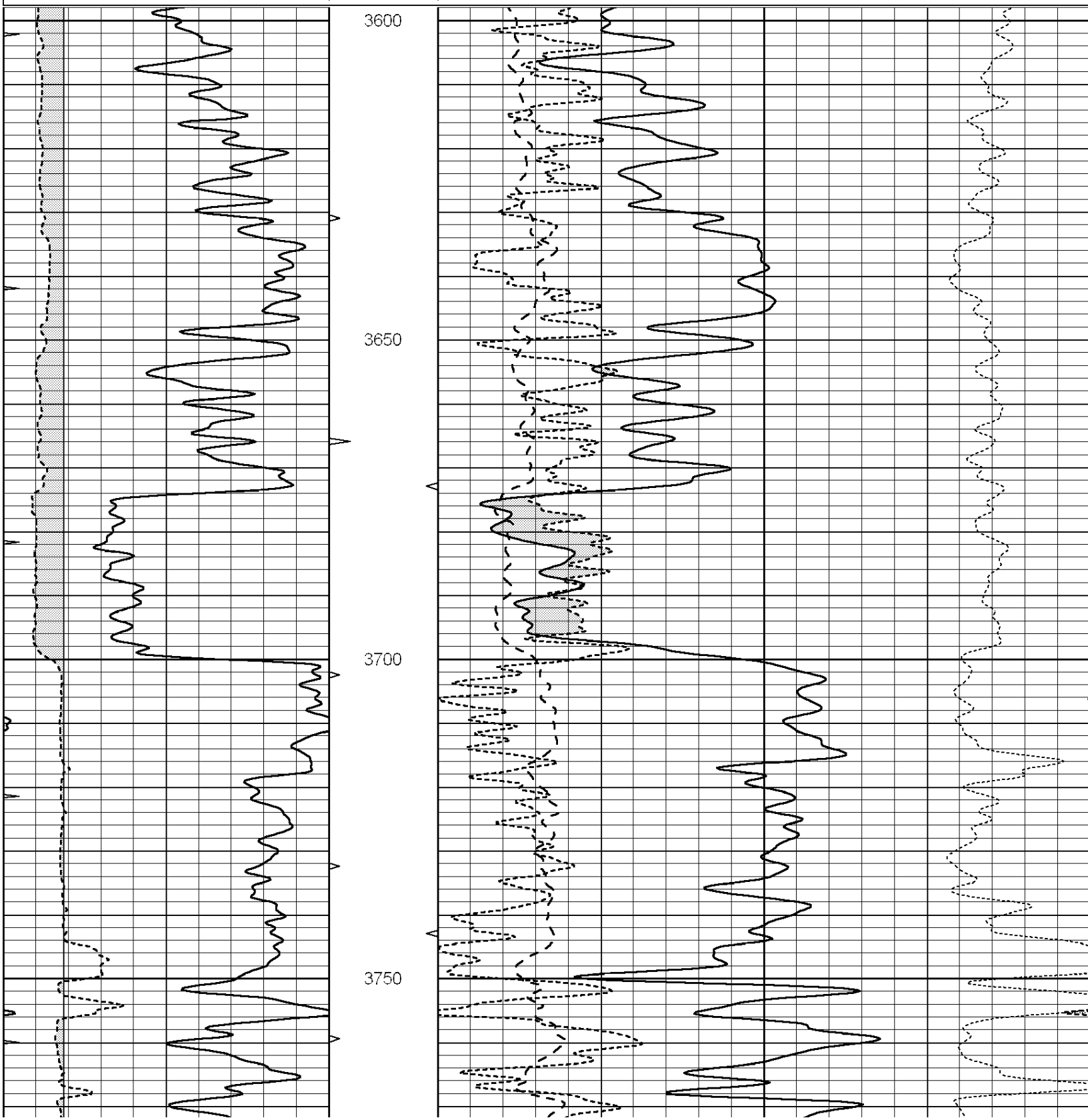


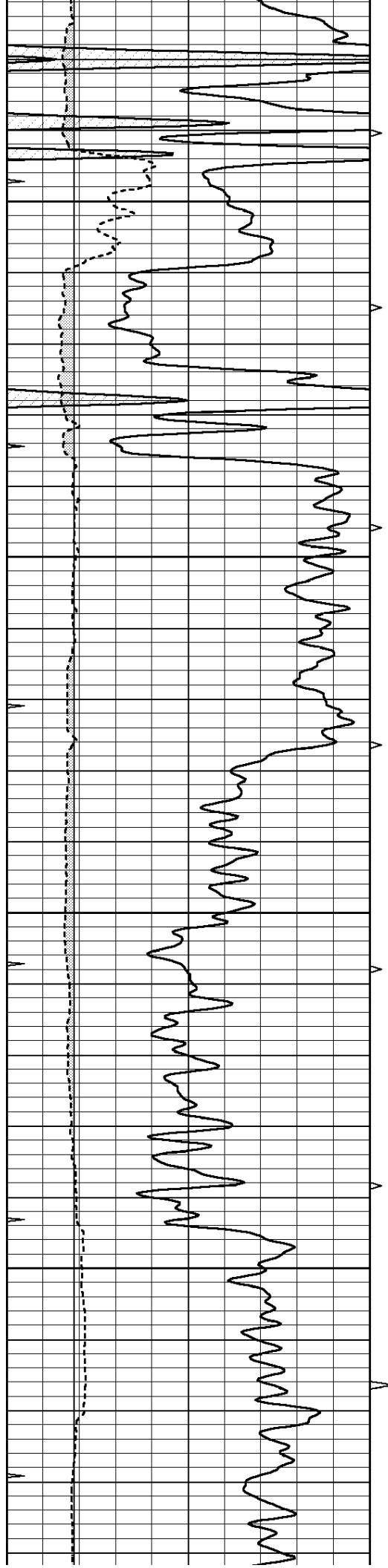
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MAIN SECTION

Database File: 005692pdn.db
 Dataset Pathname: pass3.A
 Presentation Format: ldt_neu
 Dataset Creation: Wed Sep 29 05:19:51 2010
 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			



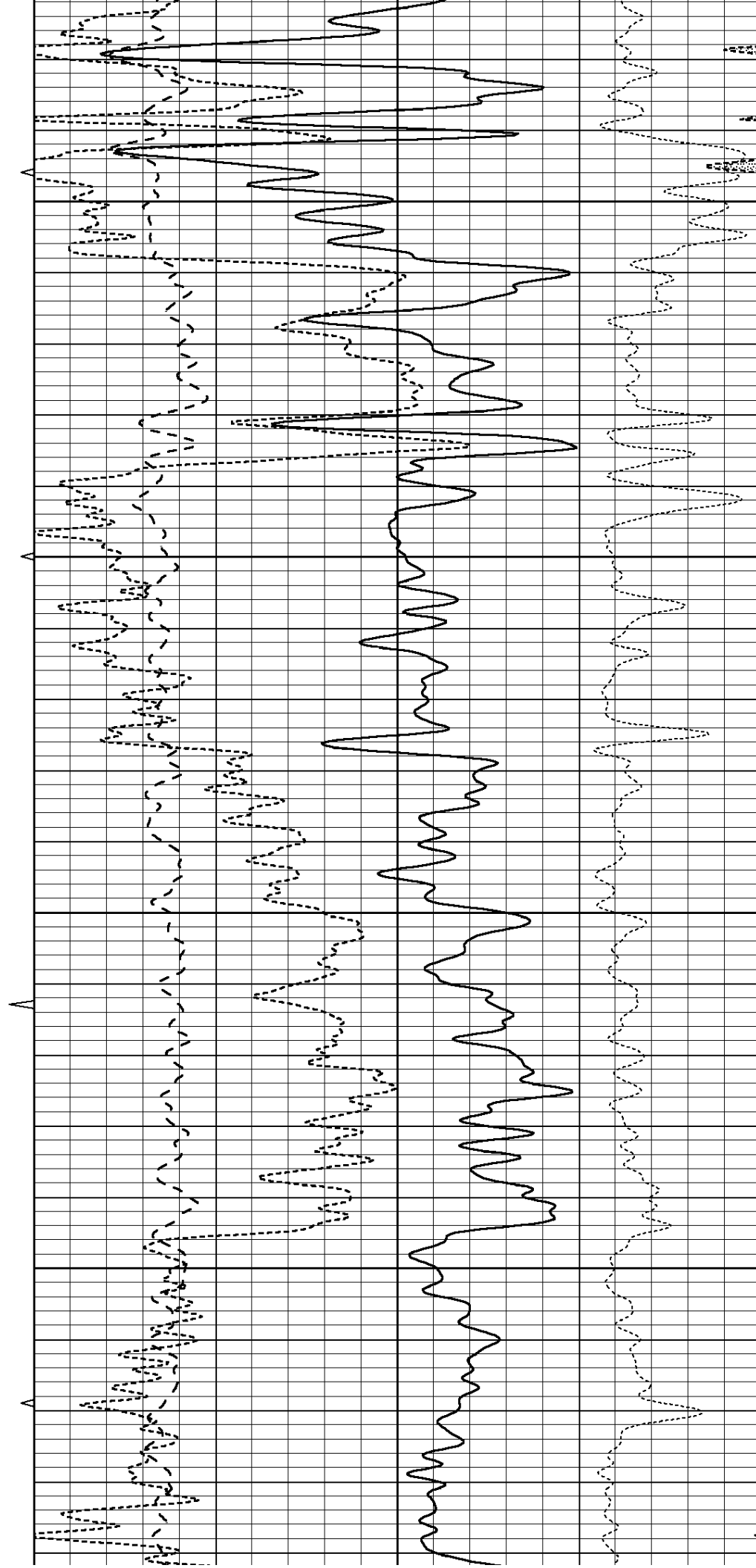


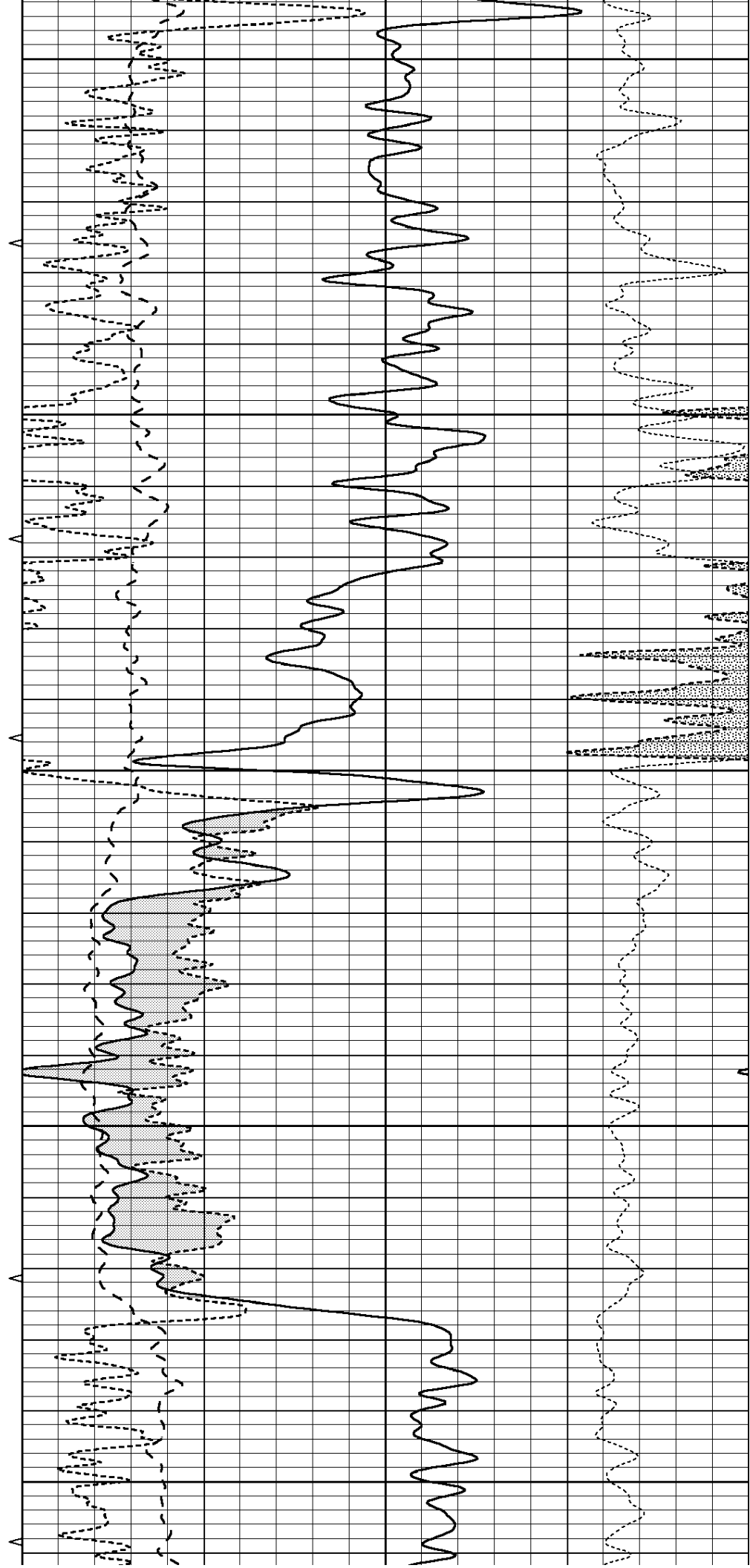
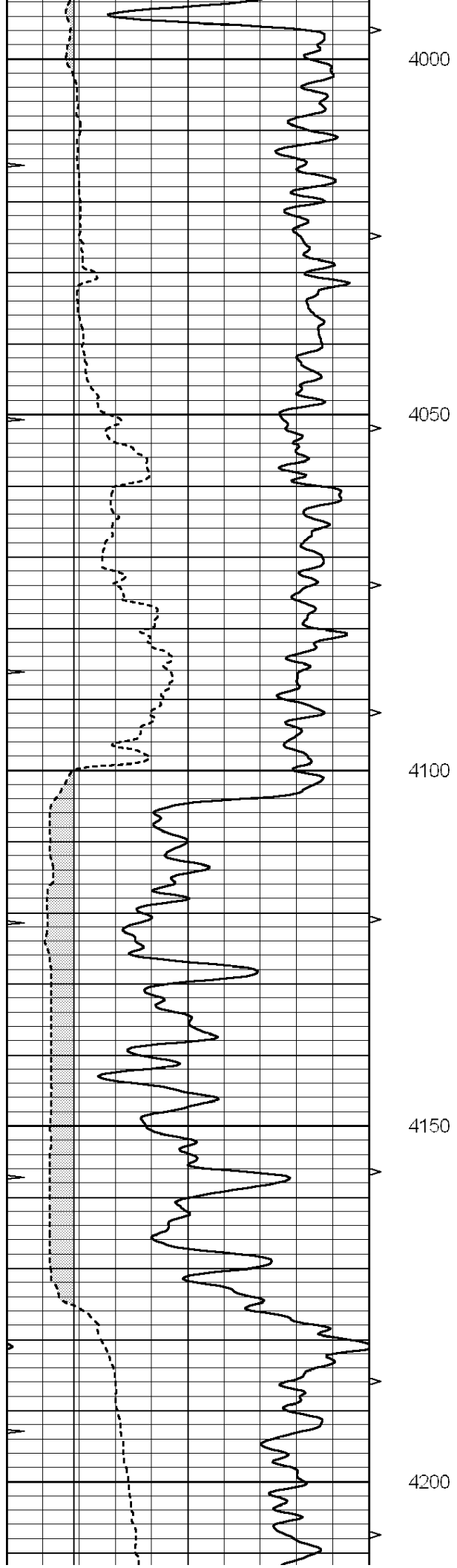
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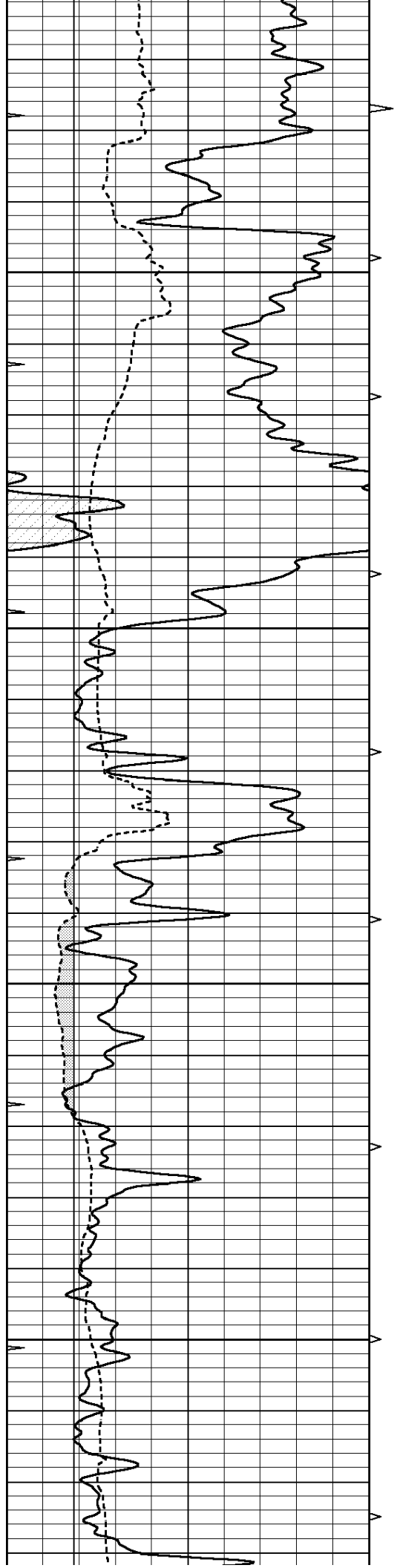
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3900

3950





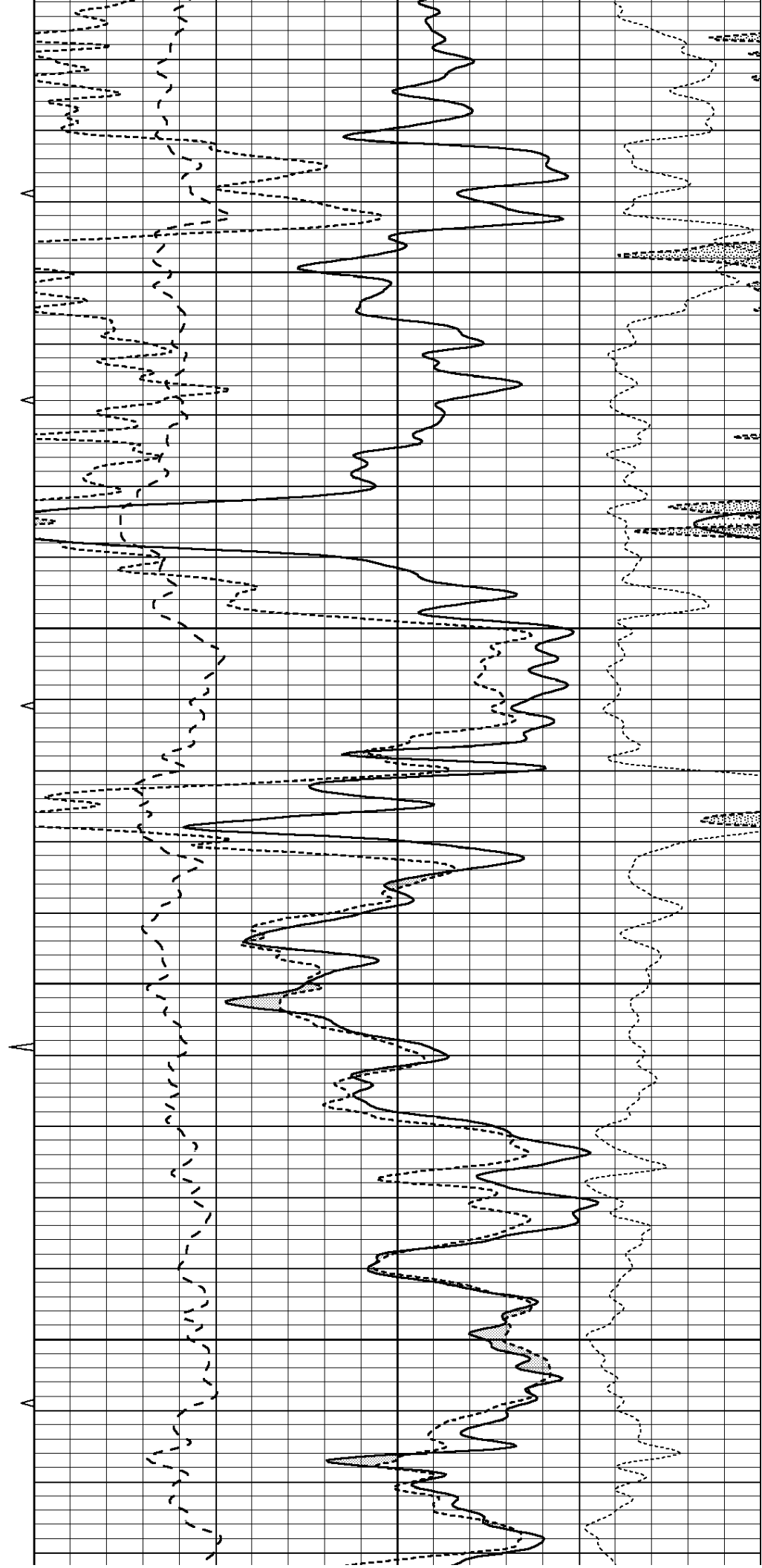


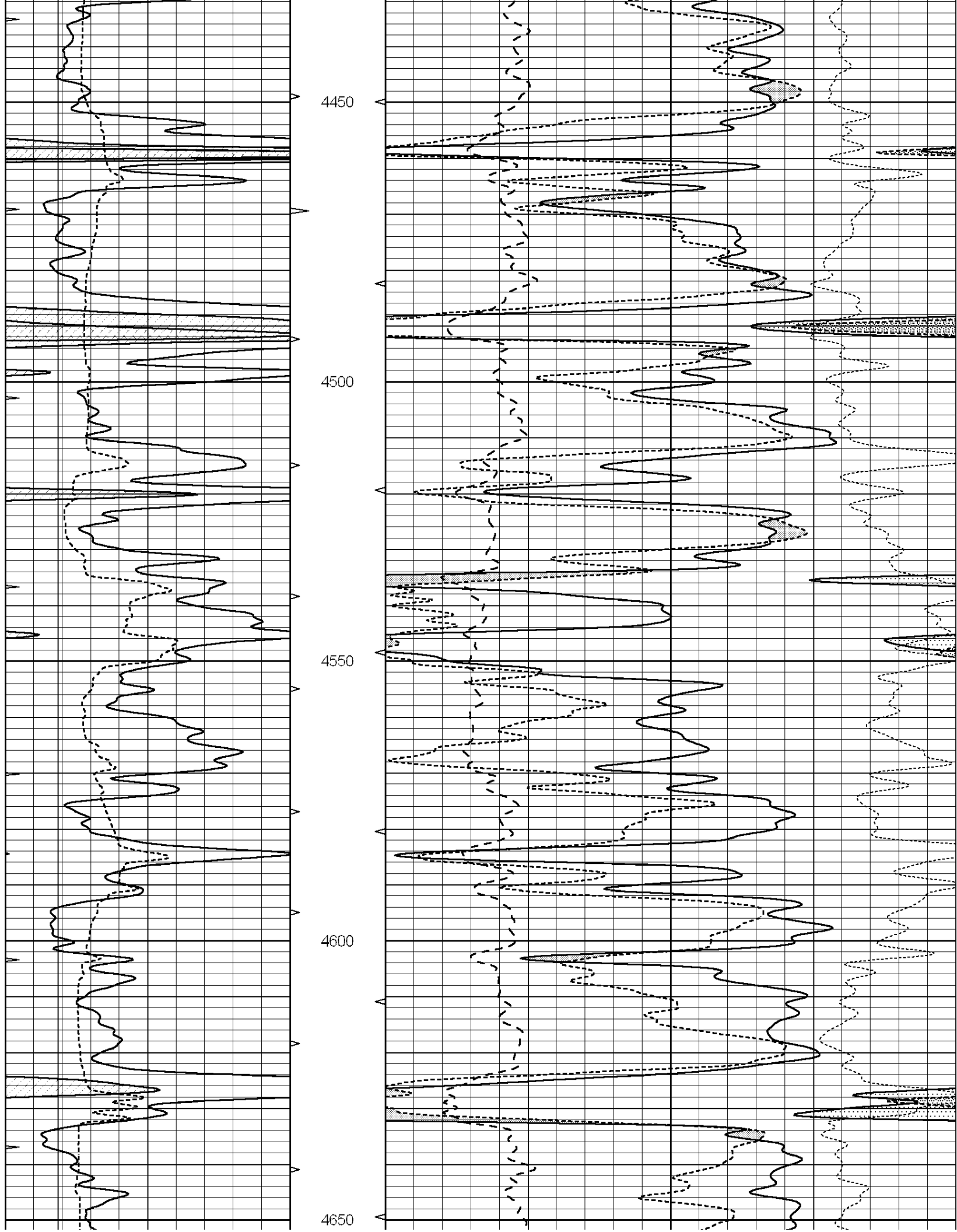
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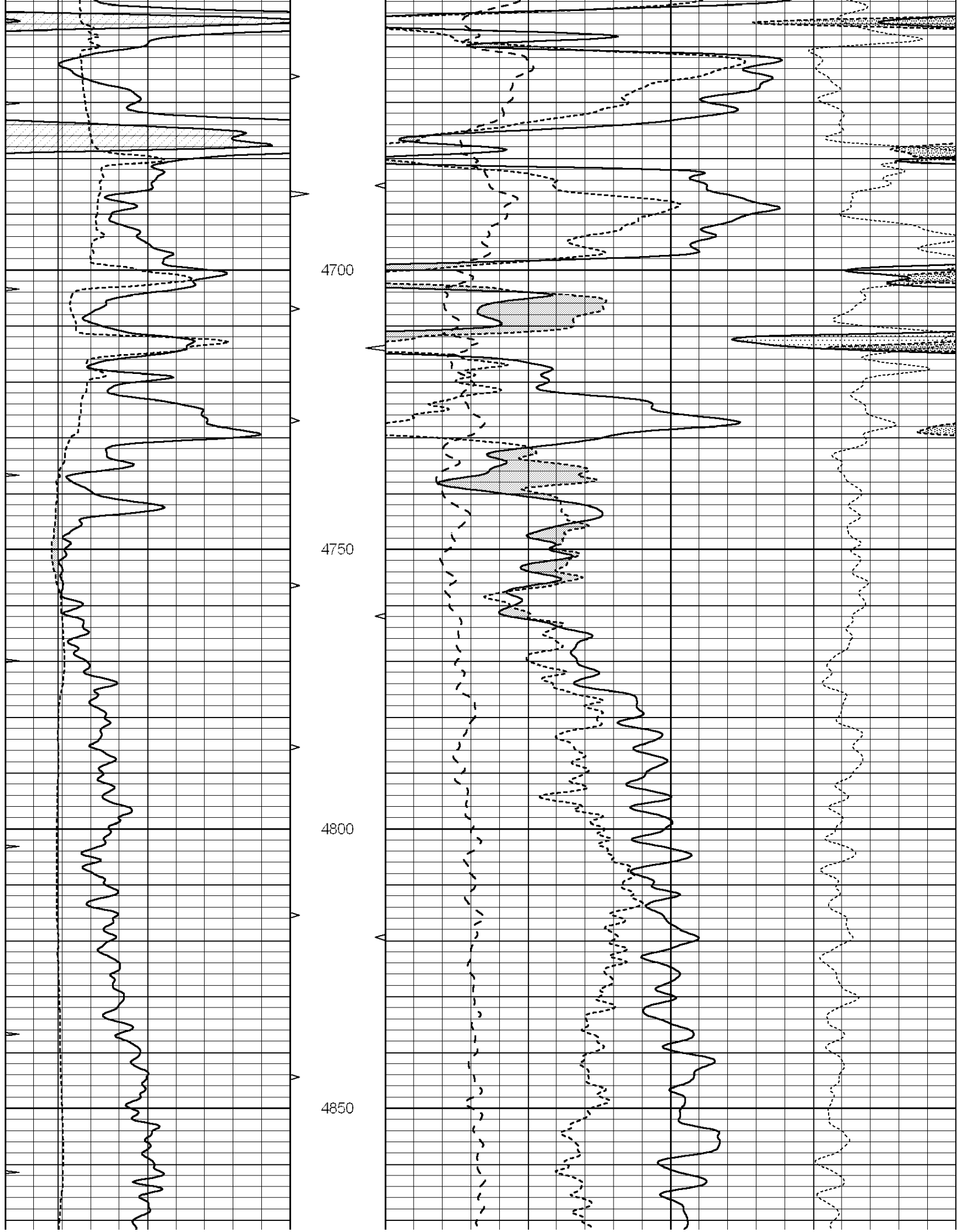
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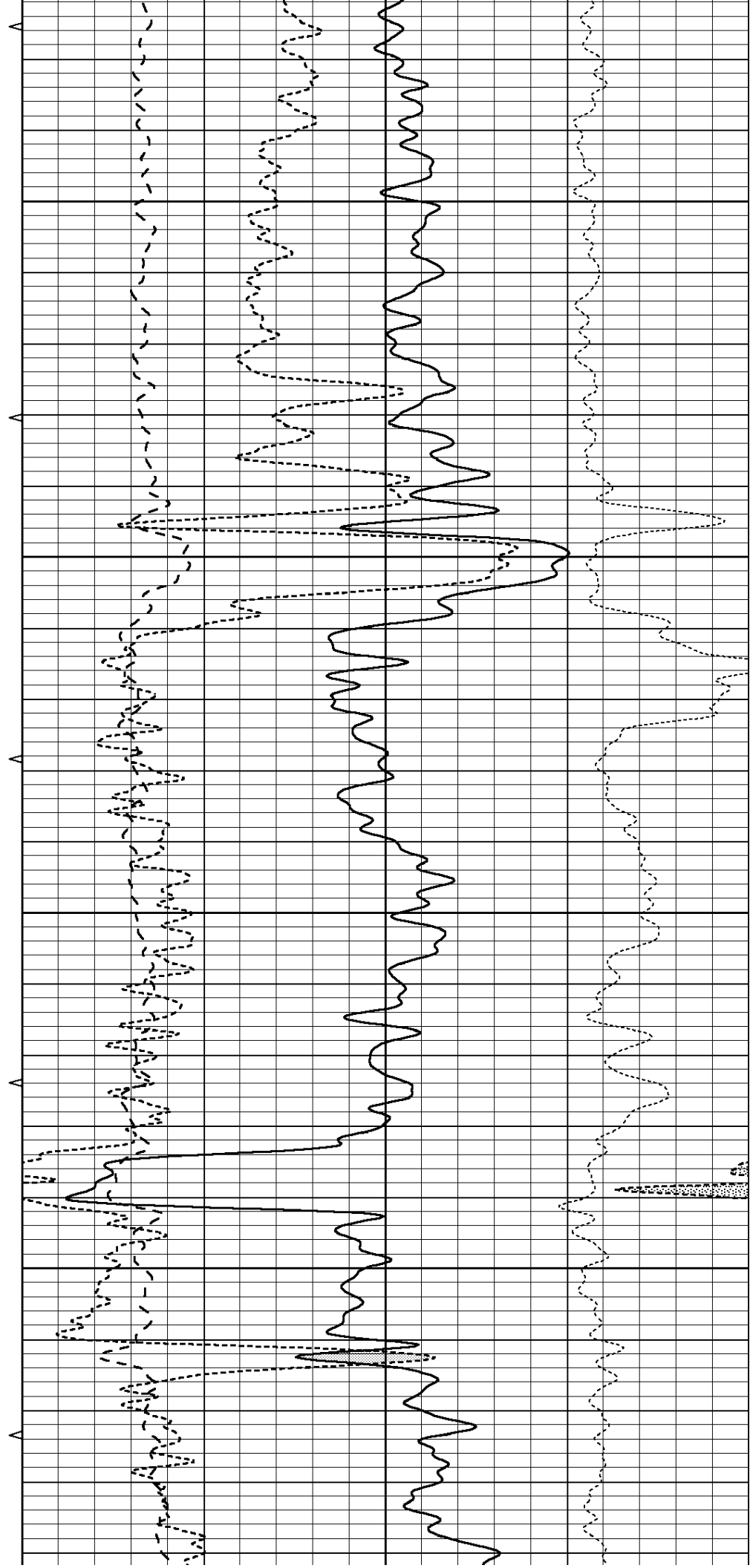
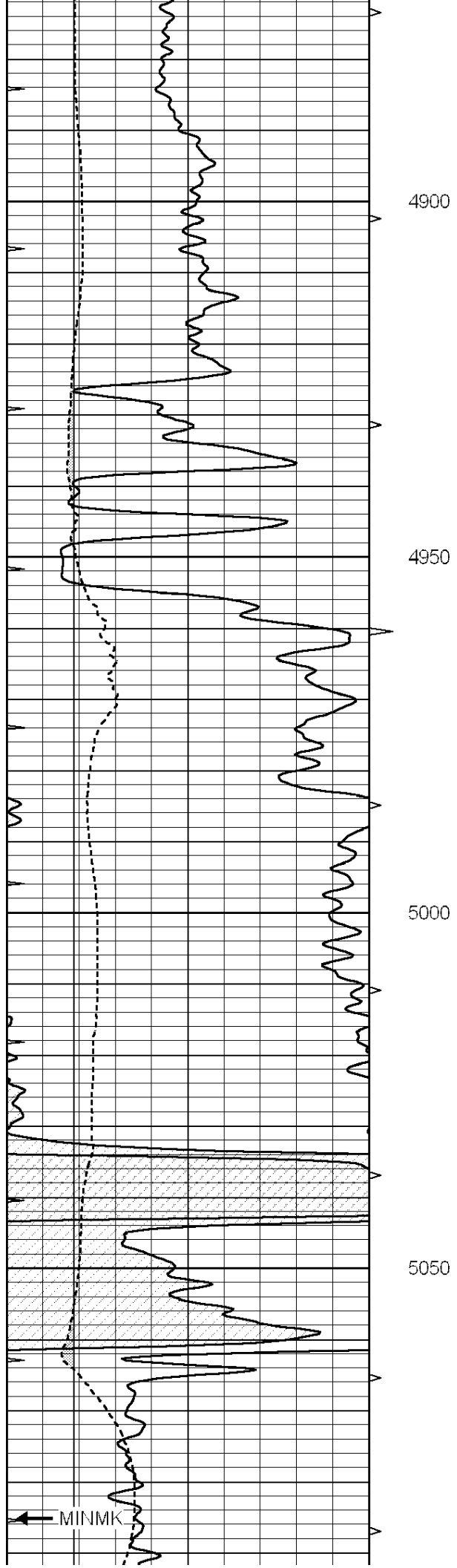
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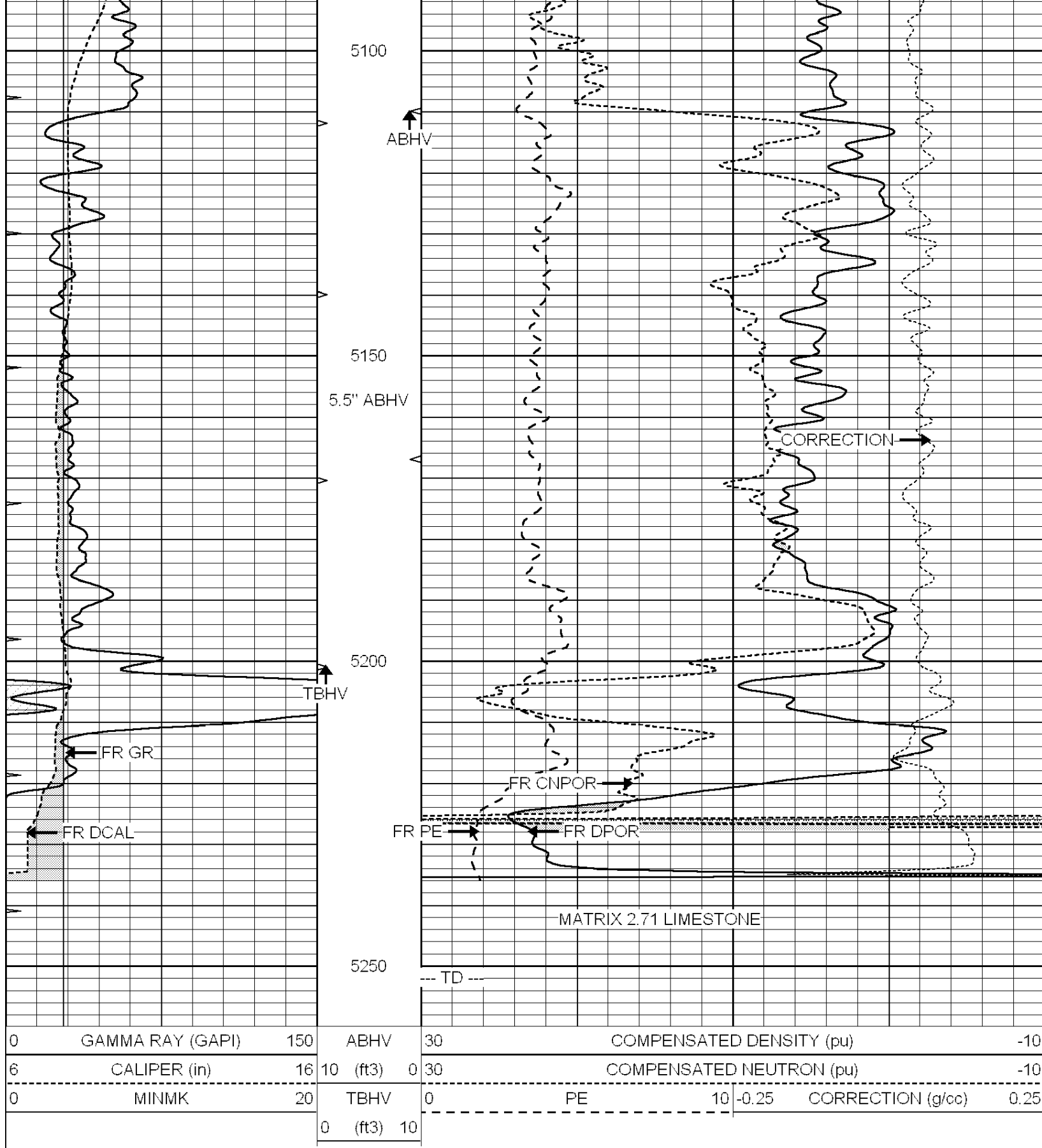
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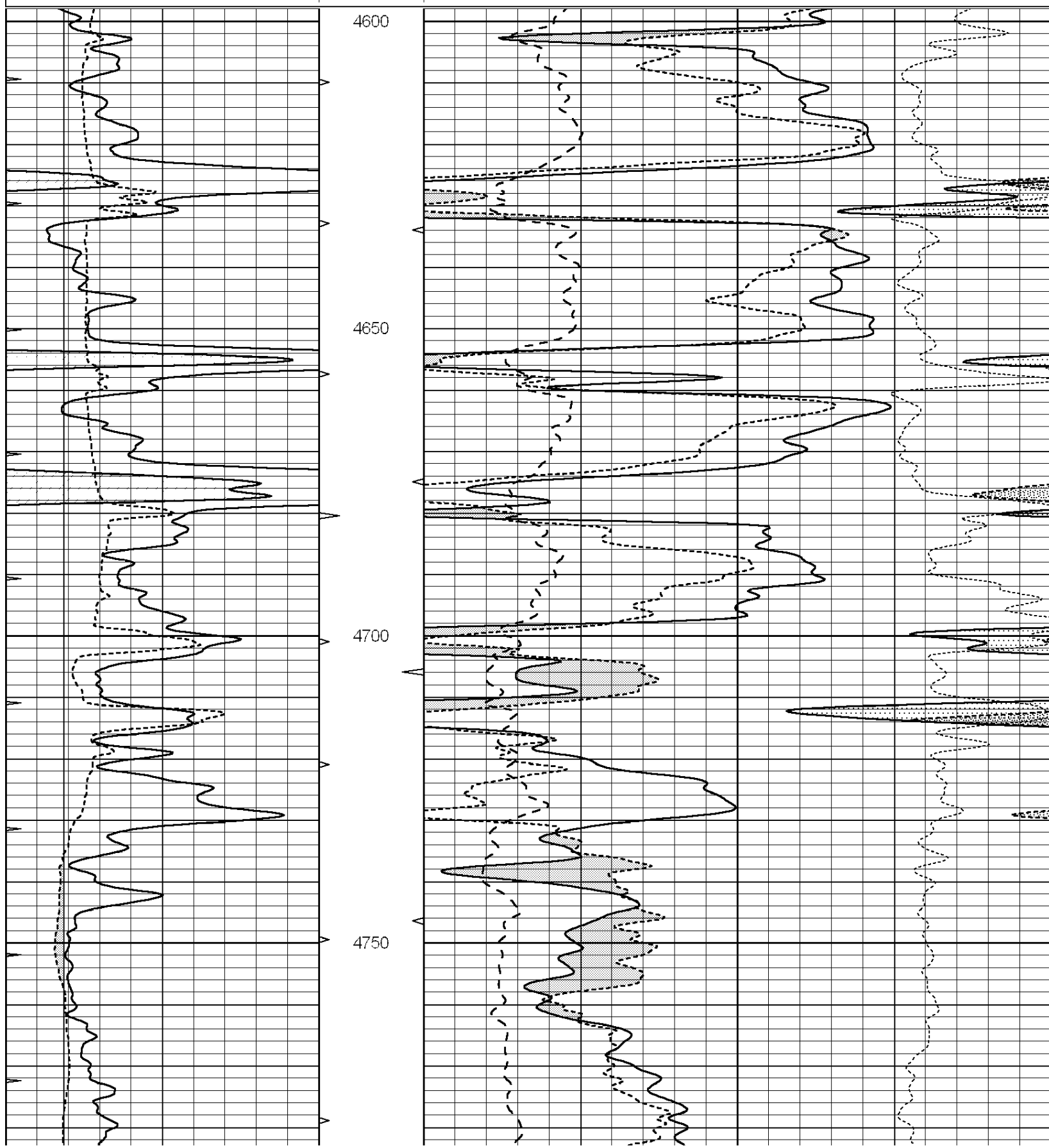


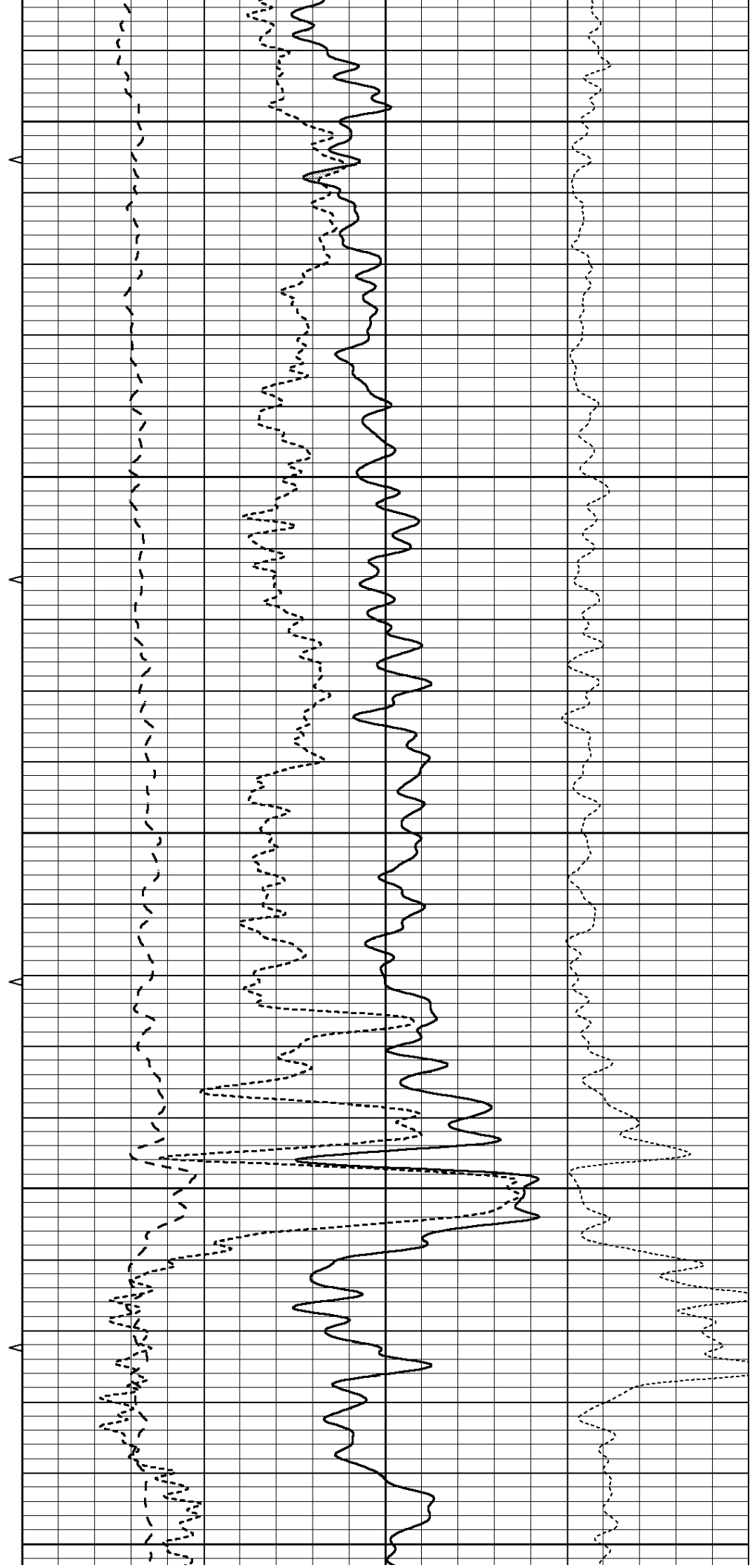
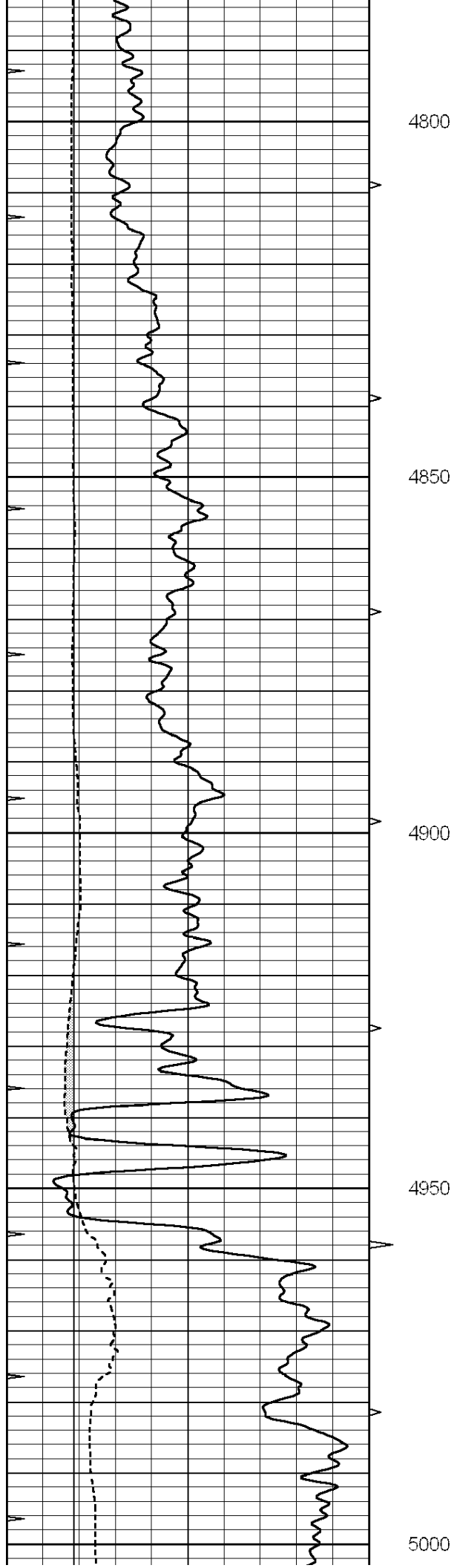


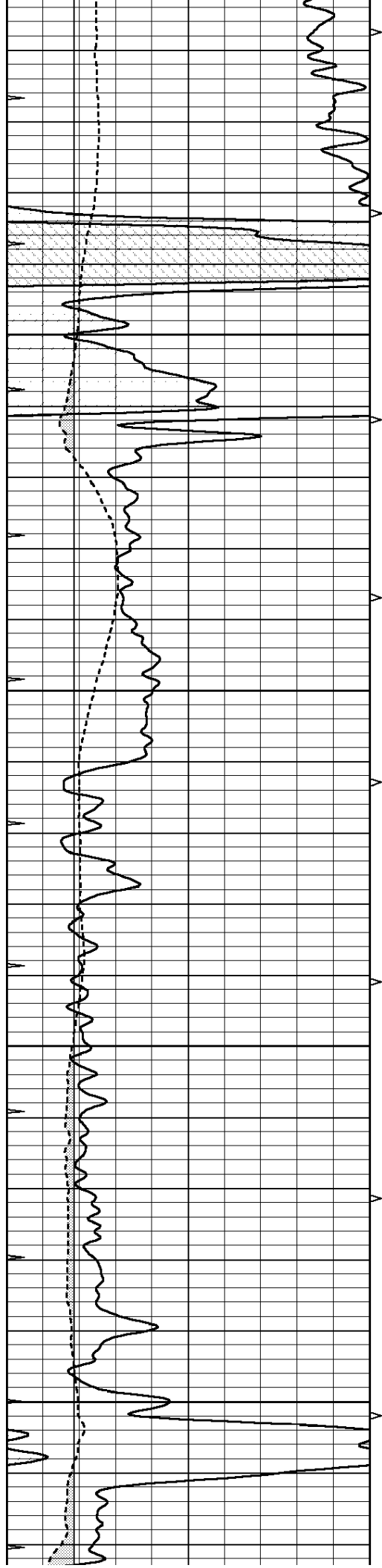
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REPEAT SECTION

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			





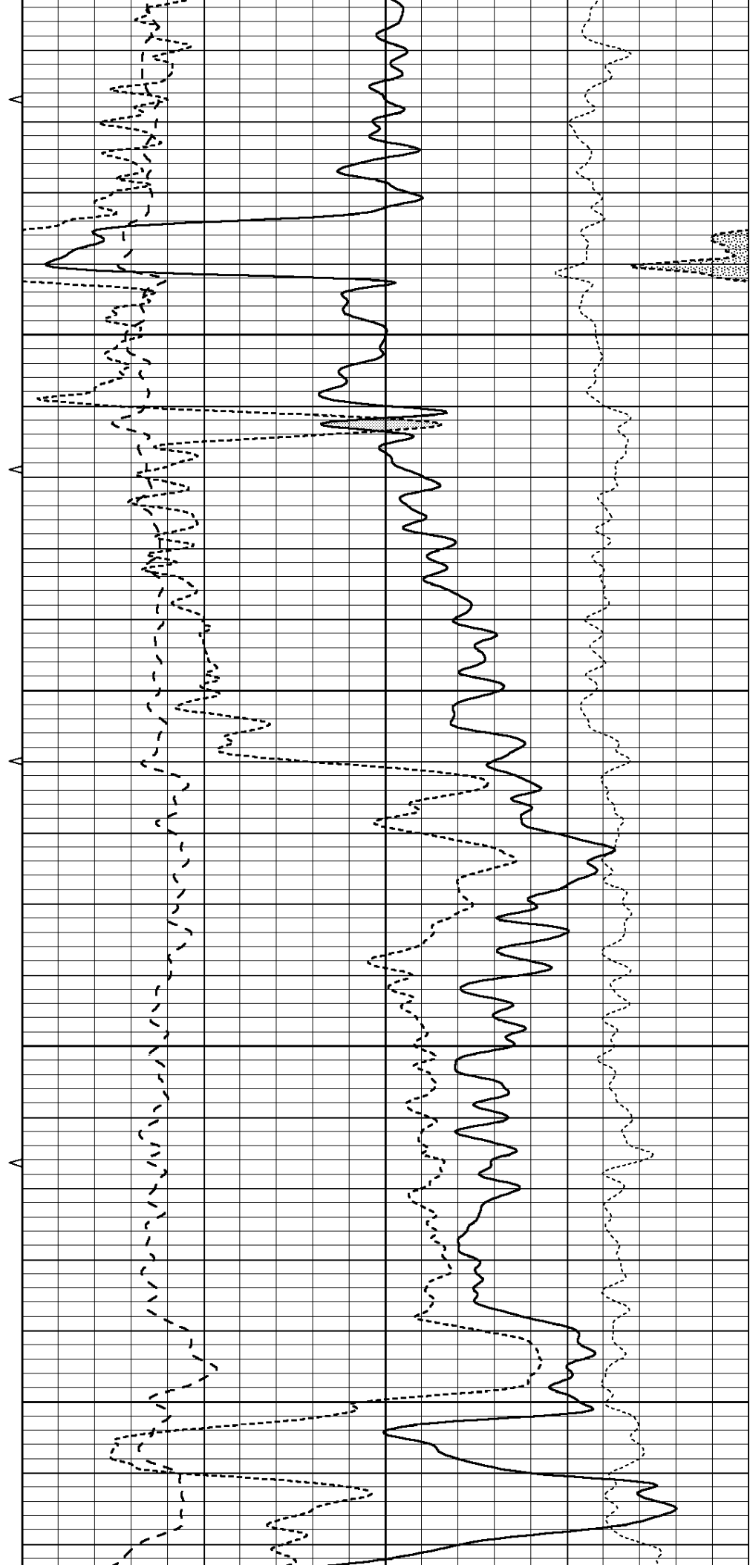


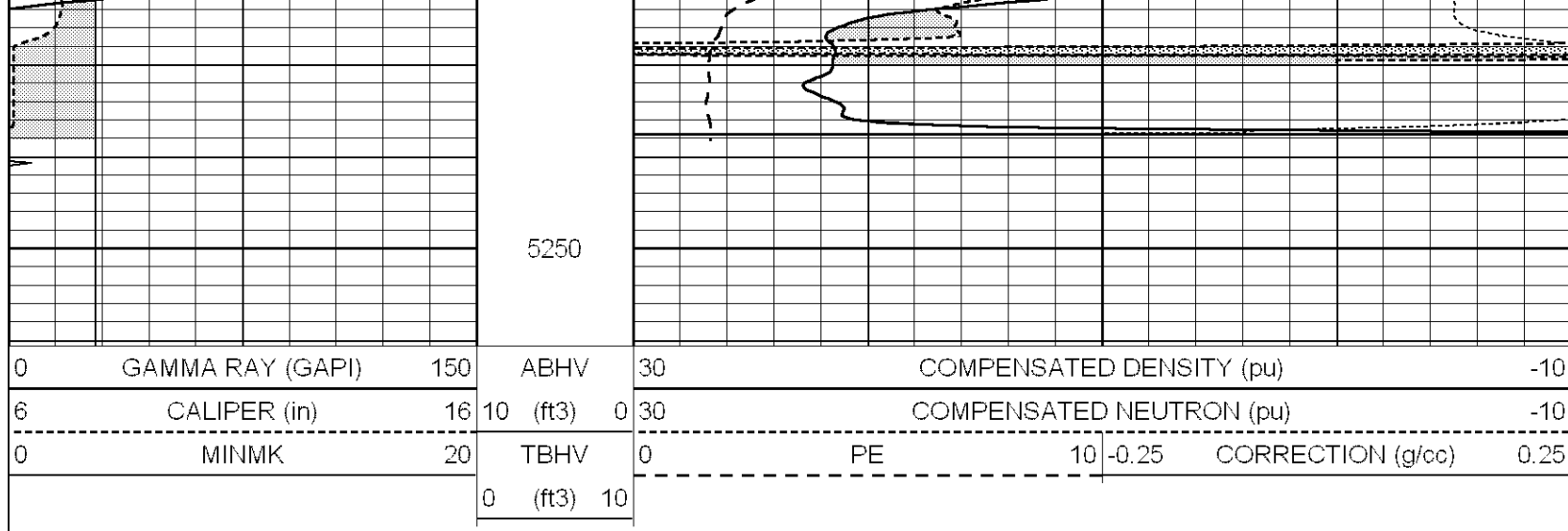
5050

5100

5150

5200





Calibration Report

Database File: 005692pdm.db
 Dataset Pathname: pass3.A
 Dataset Creation: Wed Sep 29 05:19:51 2010

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
 Performed: Wed Sep 29 02:55:38 2010

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	530.000	-8.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	520.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Litho Density Calibration Report

Serial: 002 Model: PRB
 Performed Tue Jul 03 11:12:28 2007

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1059.5	9172.0	2859.6	10210.6	cps
Window 2	976.0	7793.2	2486.1	8515.6	cps
Window 3	689.8	2930.5	1159.0	3096.2	cps
Window 4	231.9	237.2	231.1	234.0	cps
Long Space	0.0	6817.1	1510.1	7539.6	cps
Short Space	1.6	1758.1	1188.6	1898.8	cps
Rho		1.7100	2.5960	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.4	Rib Slope	: 1.015	Density/Spine Ratio	: 0.569
Spine Angle	: 75.4	Spine Slope	: 3.850	Spine Intercept	: -19.9

Caliper

	Readings	Reference
Low Ref	2.8	7.4
High Ref	4.8	14.0
Gain: 3.3		Offset: -1.6

Compensated Neutron Calibration Report					
		Serial Number:		NEU_1I	
		Tool Model:		G	
CALIBRATION					
Detector		Readings		Target	
				Normalization	
Short Space		1.00	cps	1.00	cps
Long Space		1.00	cps	1.00	cps
Gamma Ray Calibration Report					
Serial Number:		GR5			
Tool Model:		OPEN			
Performed:		Wed Sep 29 03:17:16 2010			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.6500	GAPI/cps		