



SUPERIOR
Hays,
Kansas

COMPENSATED
NEUTRON / DENSITY
PE LOG

Company		ATLAS OPERATING, LLC.	
Well		CYPRESS #3	
Field		GOETZ	
County		KINGMAN	
State		KANSAS	
Location:		APL # : 15-095-22247-0000 2600' FSL & 330' FEL	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 10' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 30 TWP 29S RGE 9W		Elevation K.B. 1669 D.F. 1667 G.L. 1659	
Date	3/2/12		
Run Number	ONE		
Depth Driller	4655		
Depth Logger	4658		
Bottom Logged Interval	4634		
Top Log Interval	2200		
Casing Driller	8 5/8" @ 267		
Casing Logger	266		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6000 PPM	
Density / Viscosity	9.5/47		
pH / Fluid Loss	9.0/12.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.72 @ 70F		
Rmf @ Meas. Temp	.54 @ 70F		
Rmc @ Meas. Temp	.86 @ 70F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.40 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	123F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	PAT DEENIHAN		

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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 SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
CUNNINGHAM, KS. - 8 E. TO ZENDA BLKTOP - 10 S. TO RD 110 - 3 W. TO RD 120
1/2 N. - W. INTO

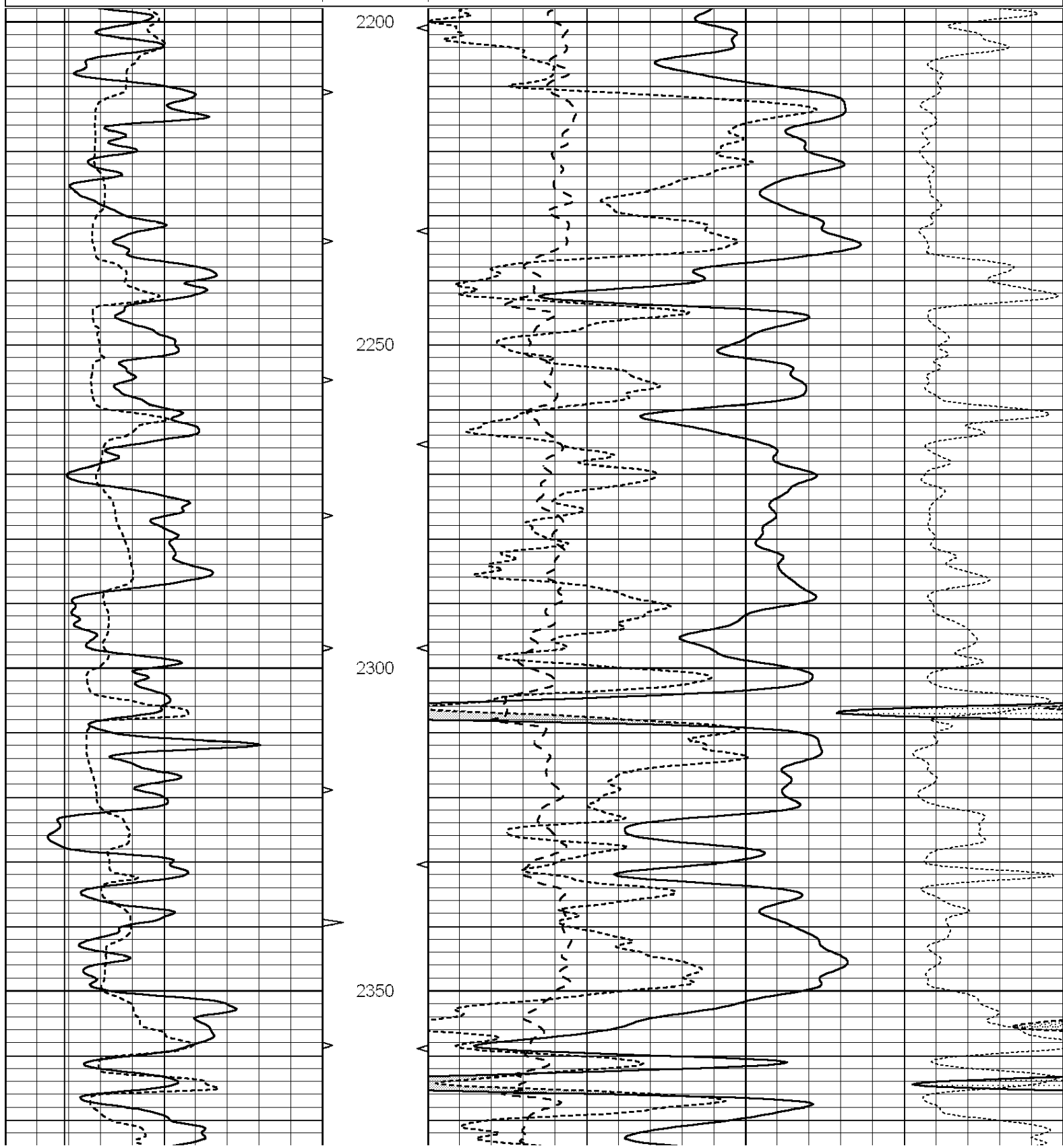


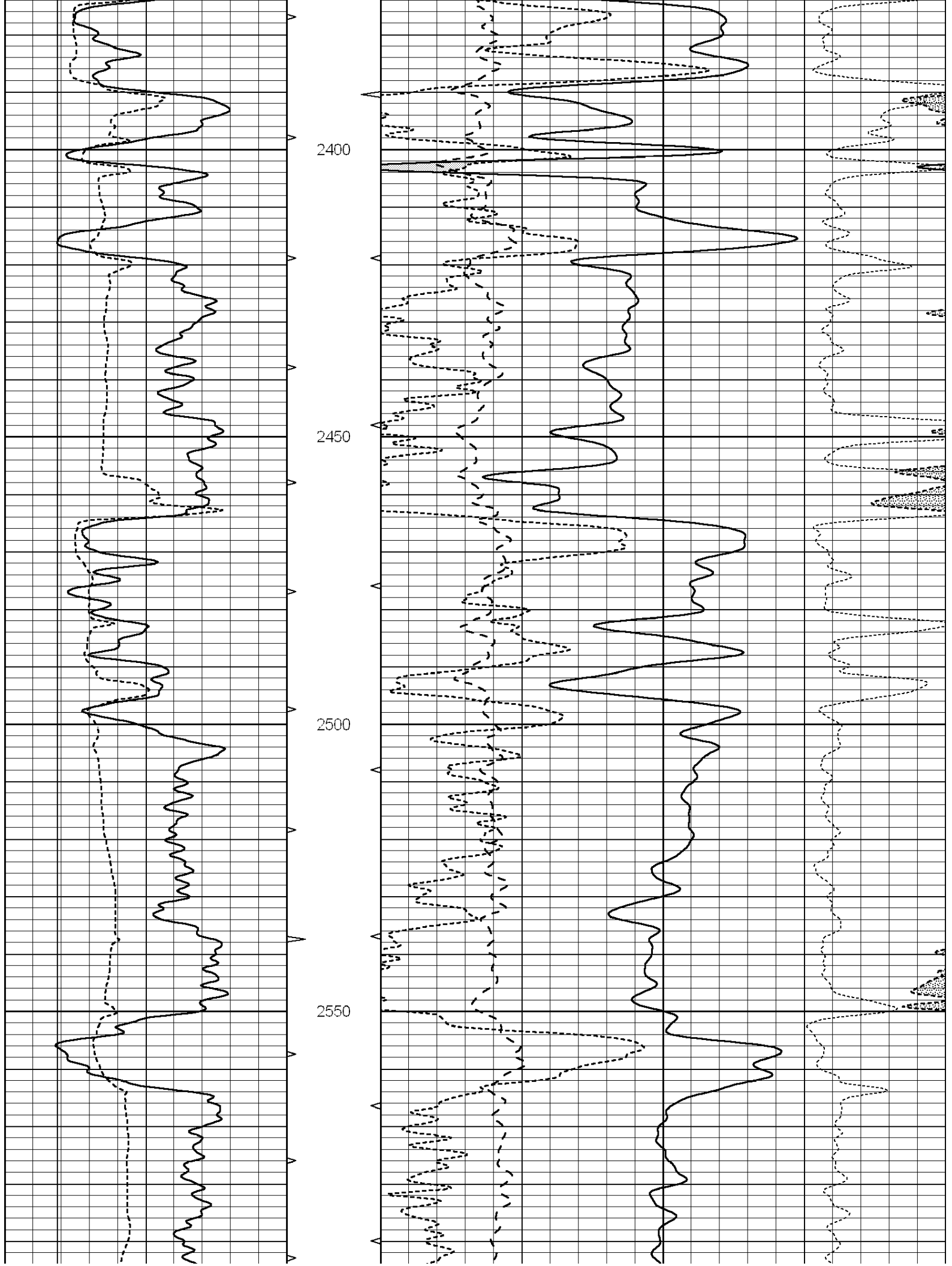
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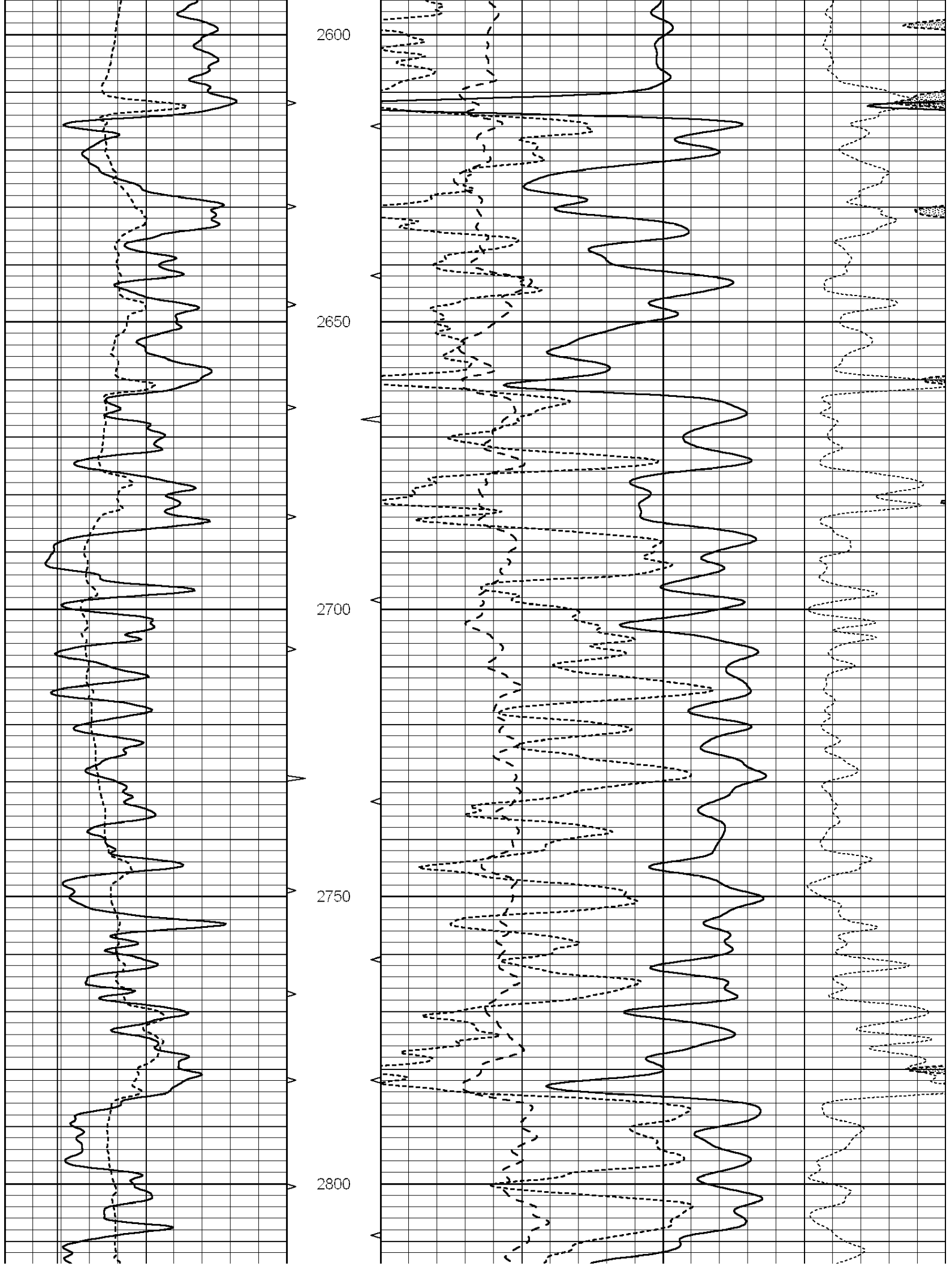
MAIN SECTION

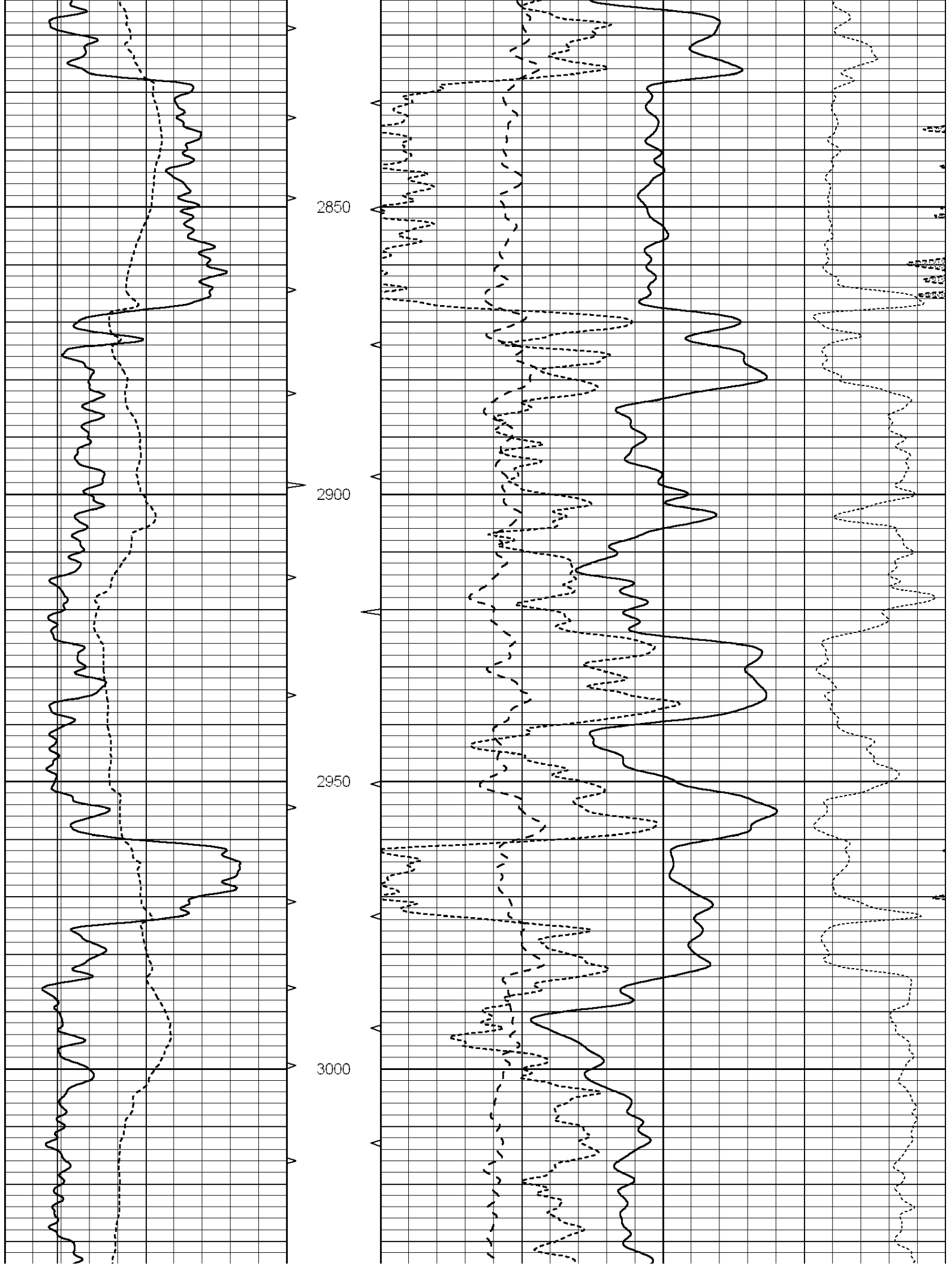
Database File: 008057pe.db
 Dataset Pathname: pass8.2
 Presentation Format: _ldt_neu
 Dataset Creation: Fri Mar 02 17:24:30 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

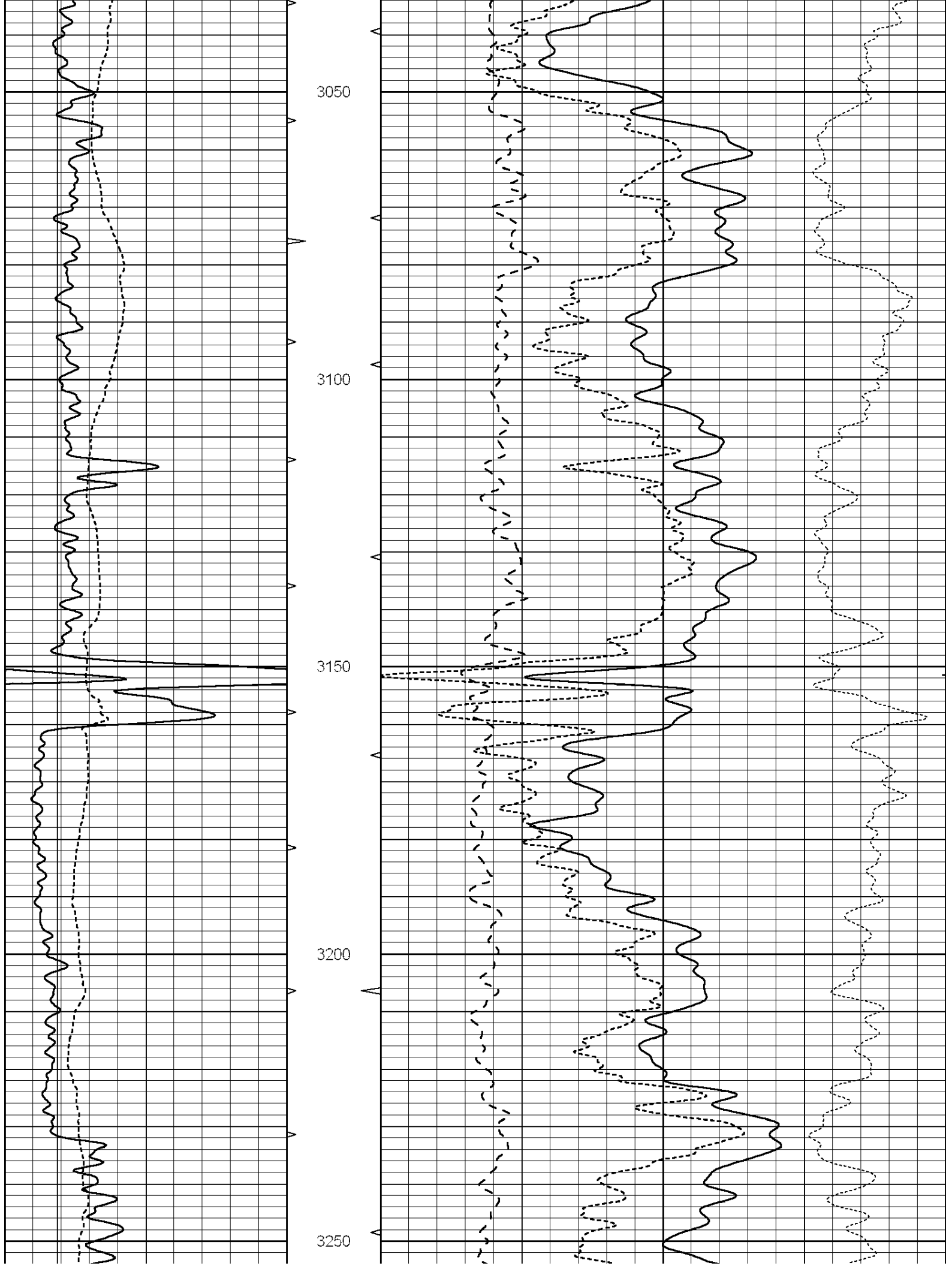
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)				-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)				-10
			TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10						

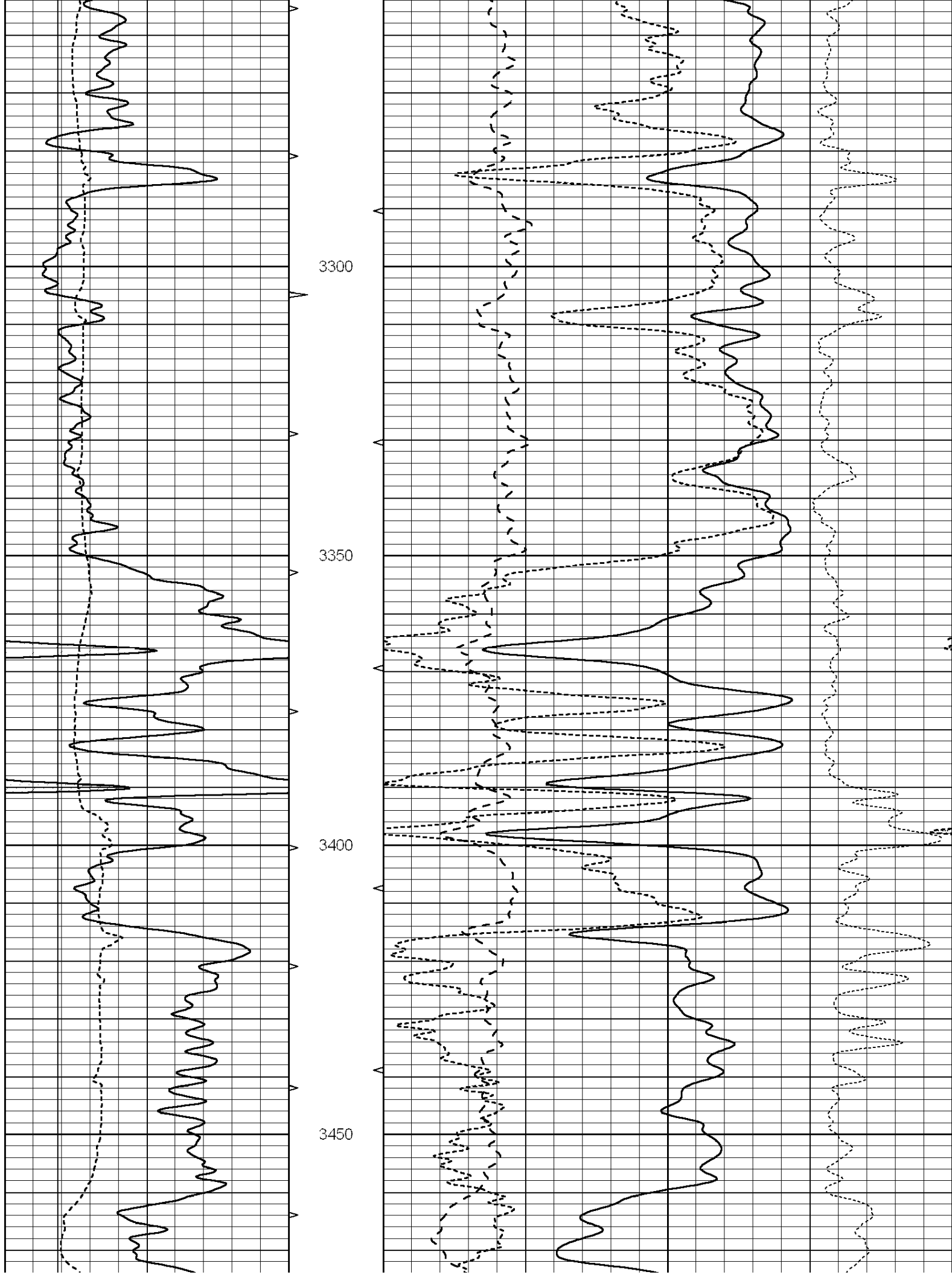


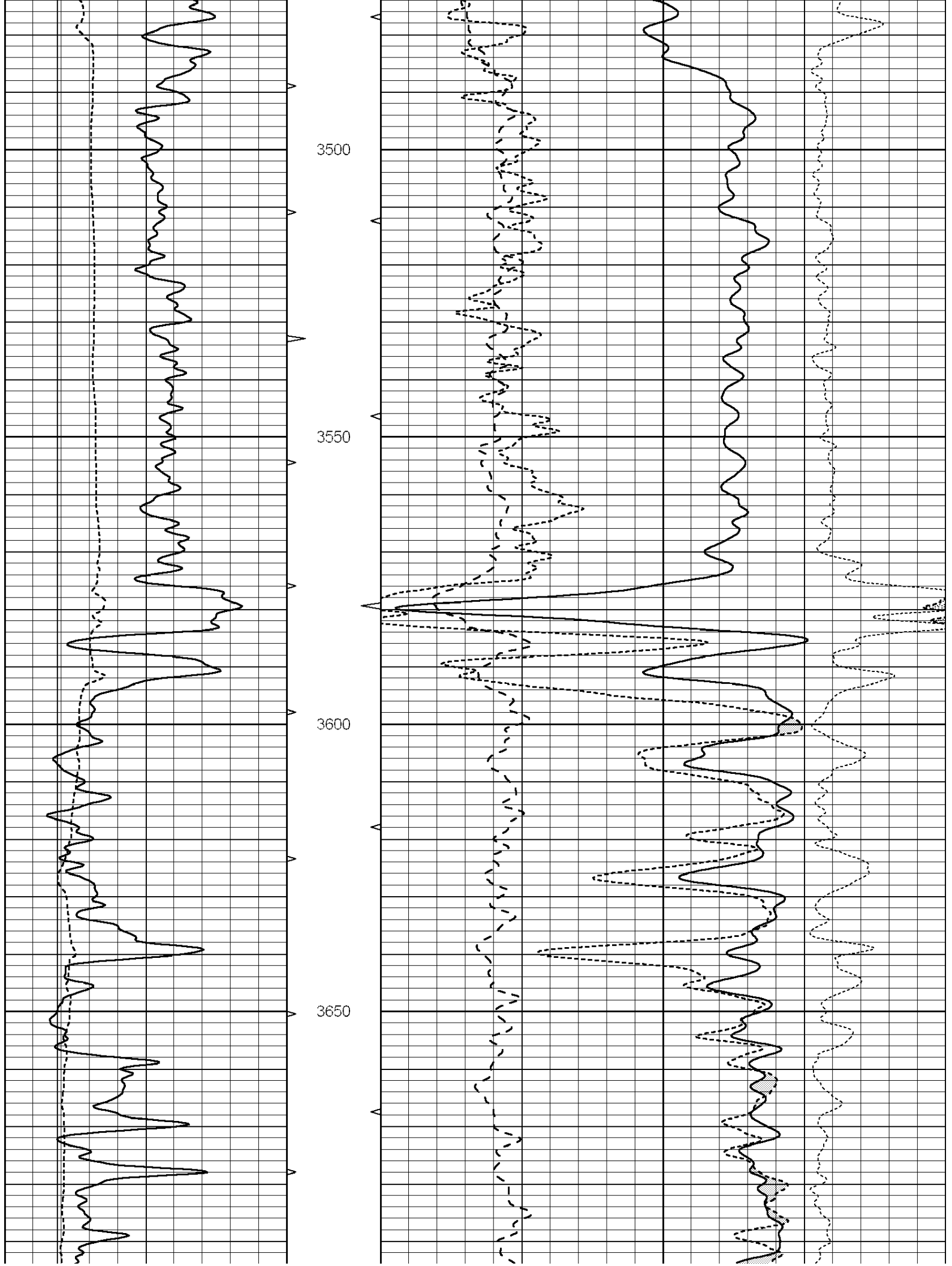


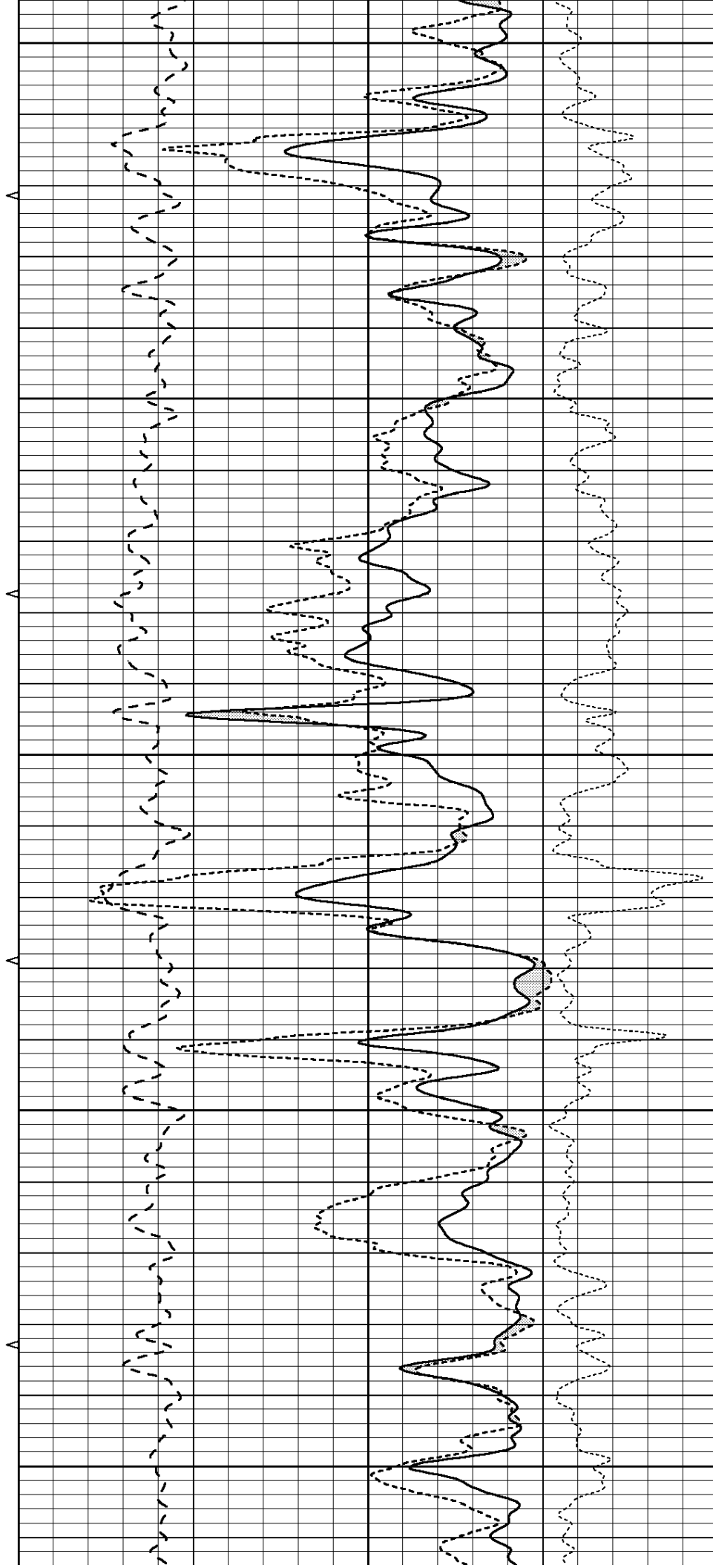
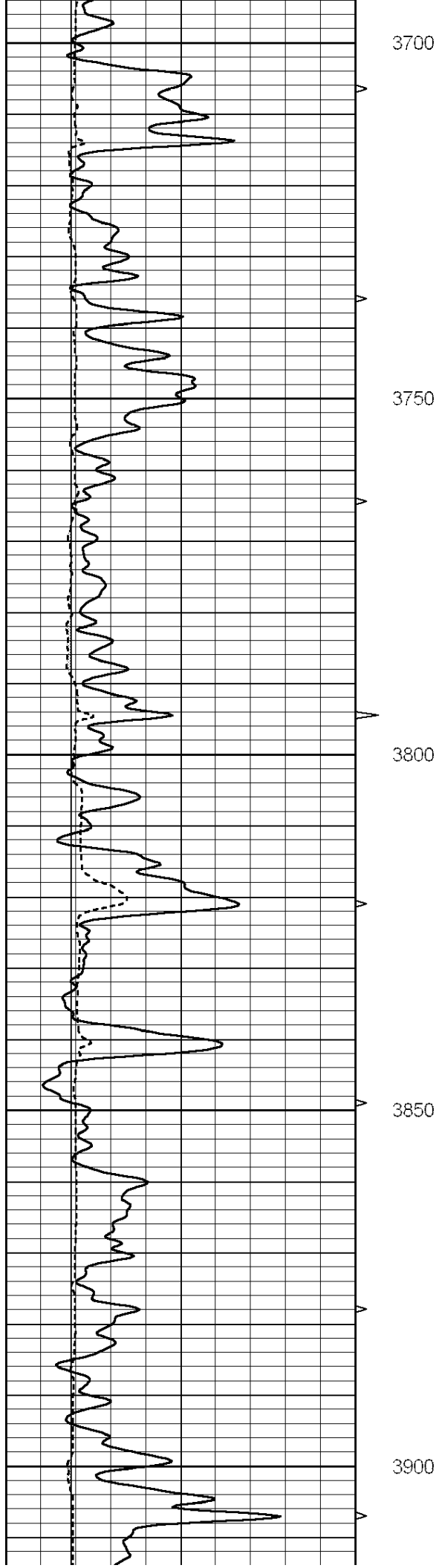


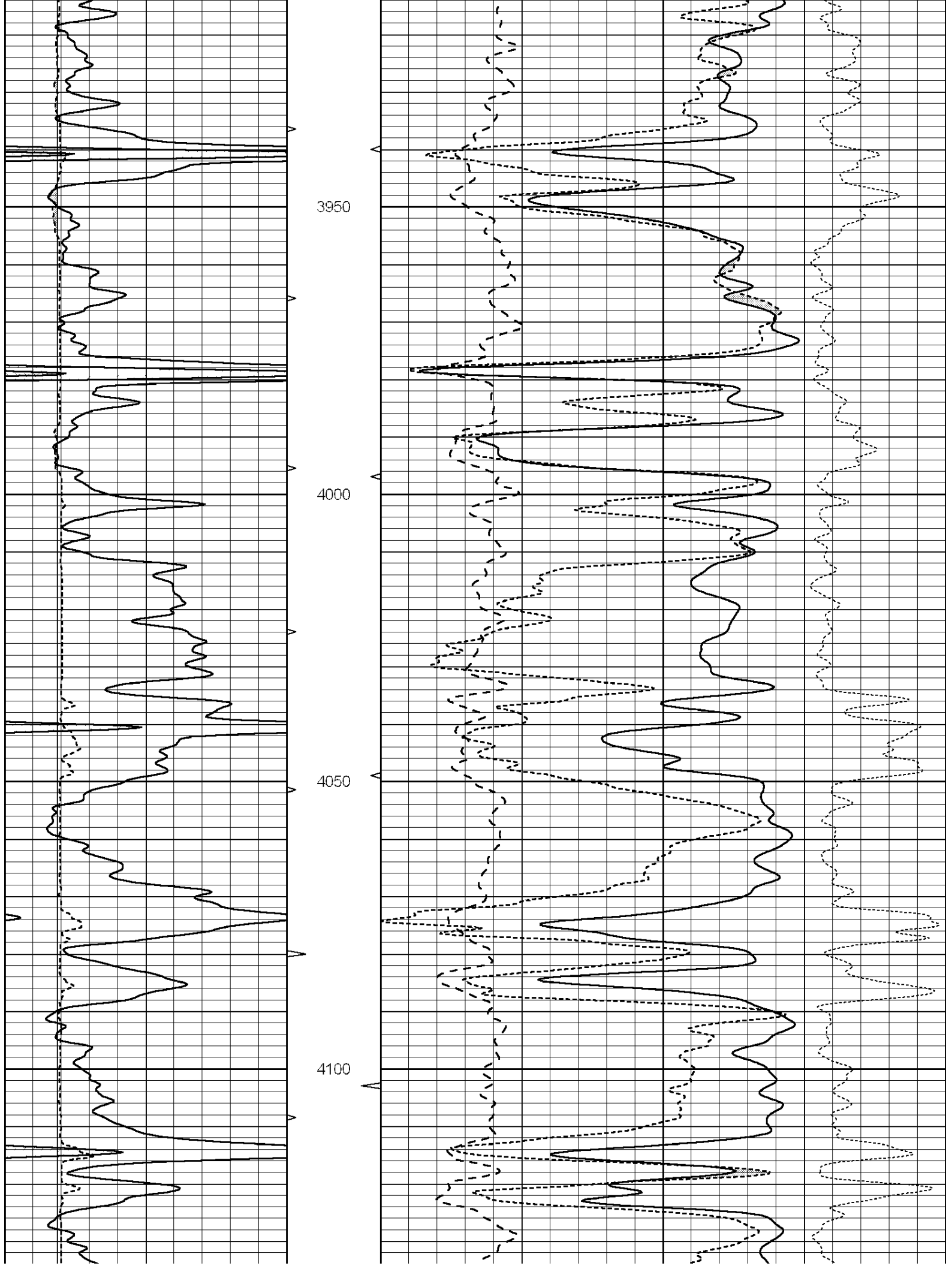


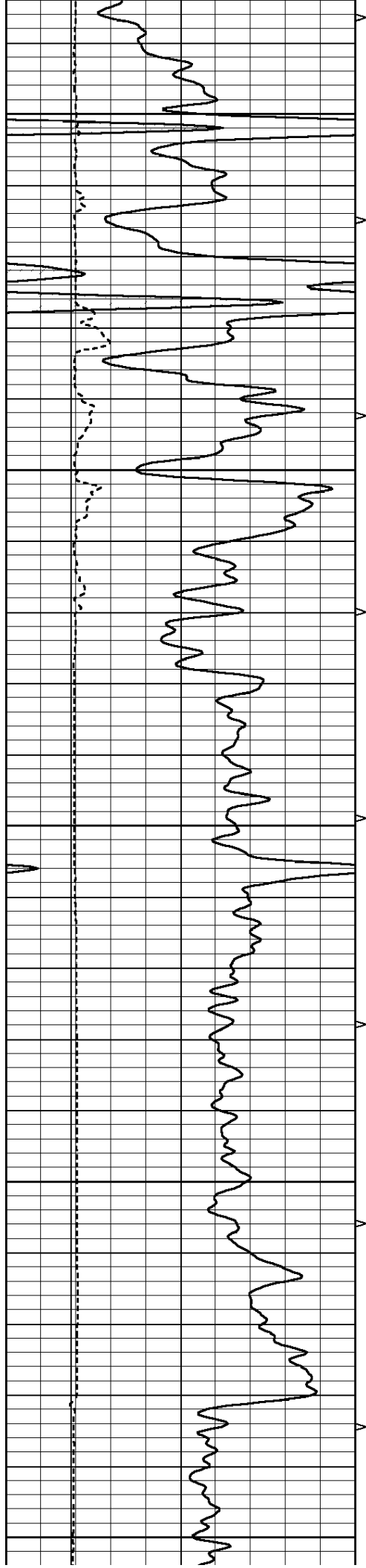












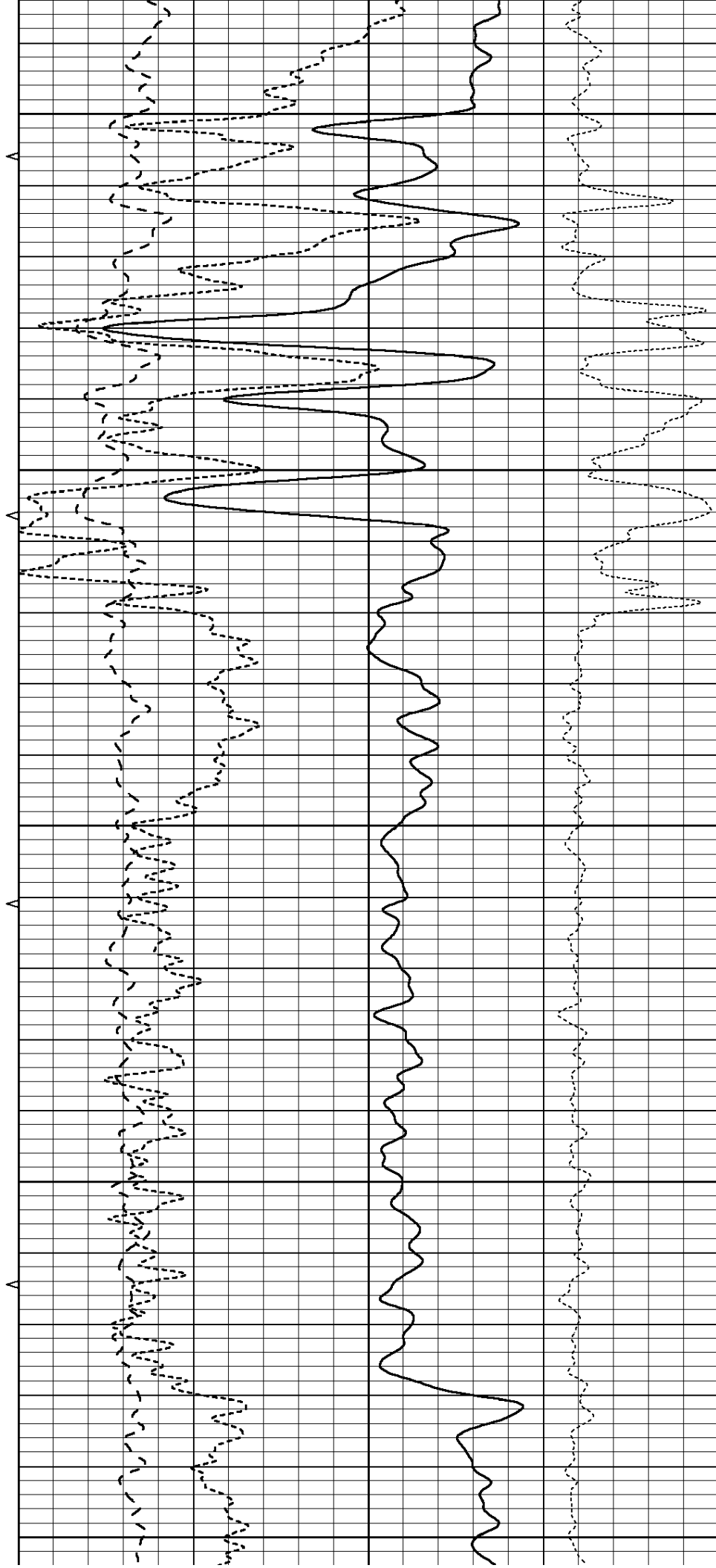
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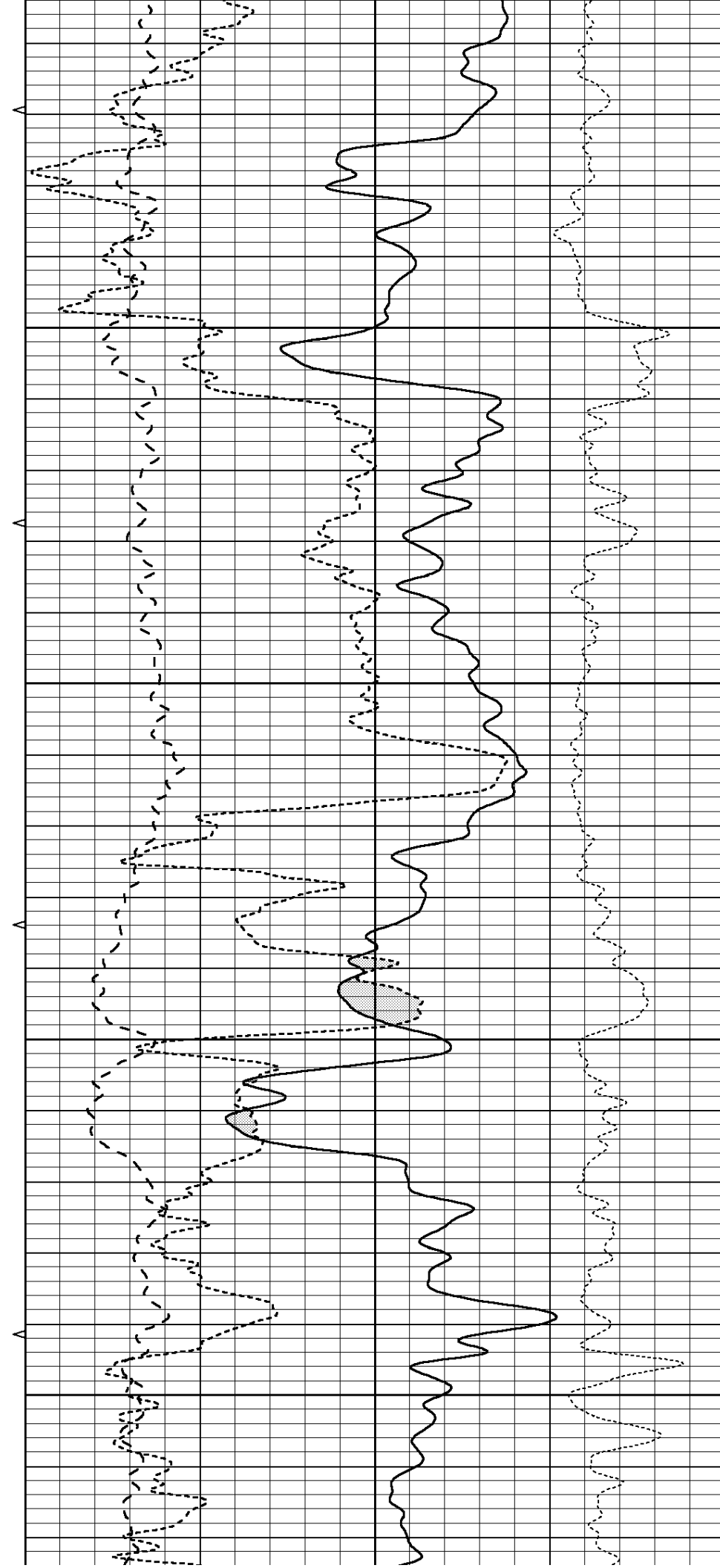
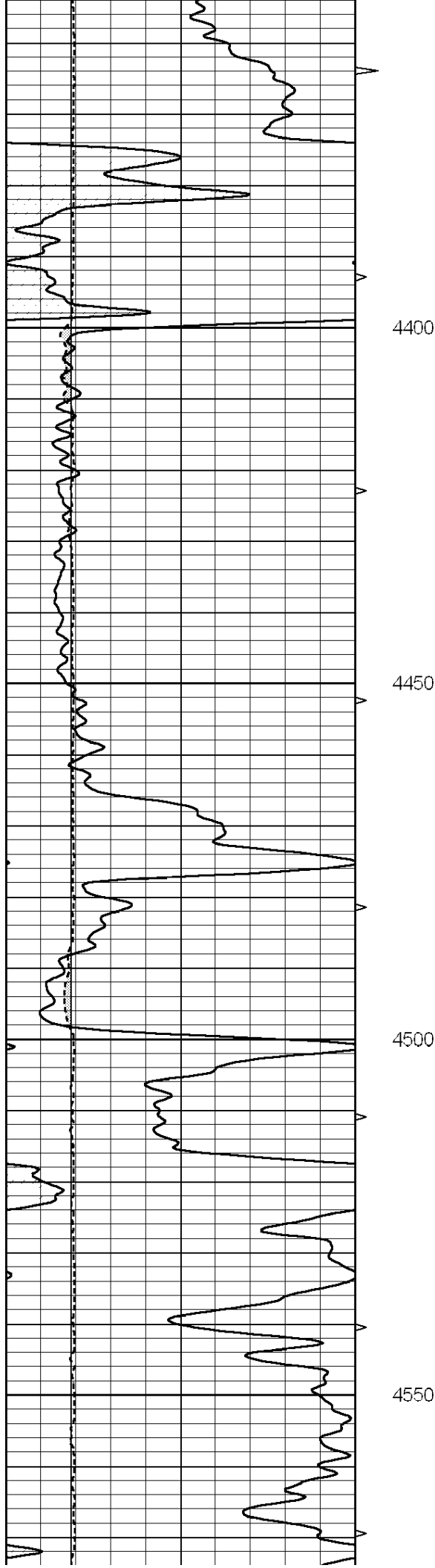
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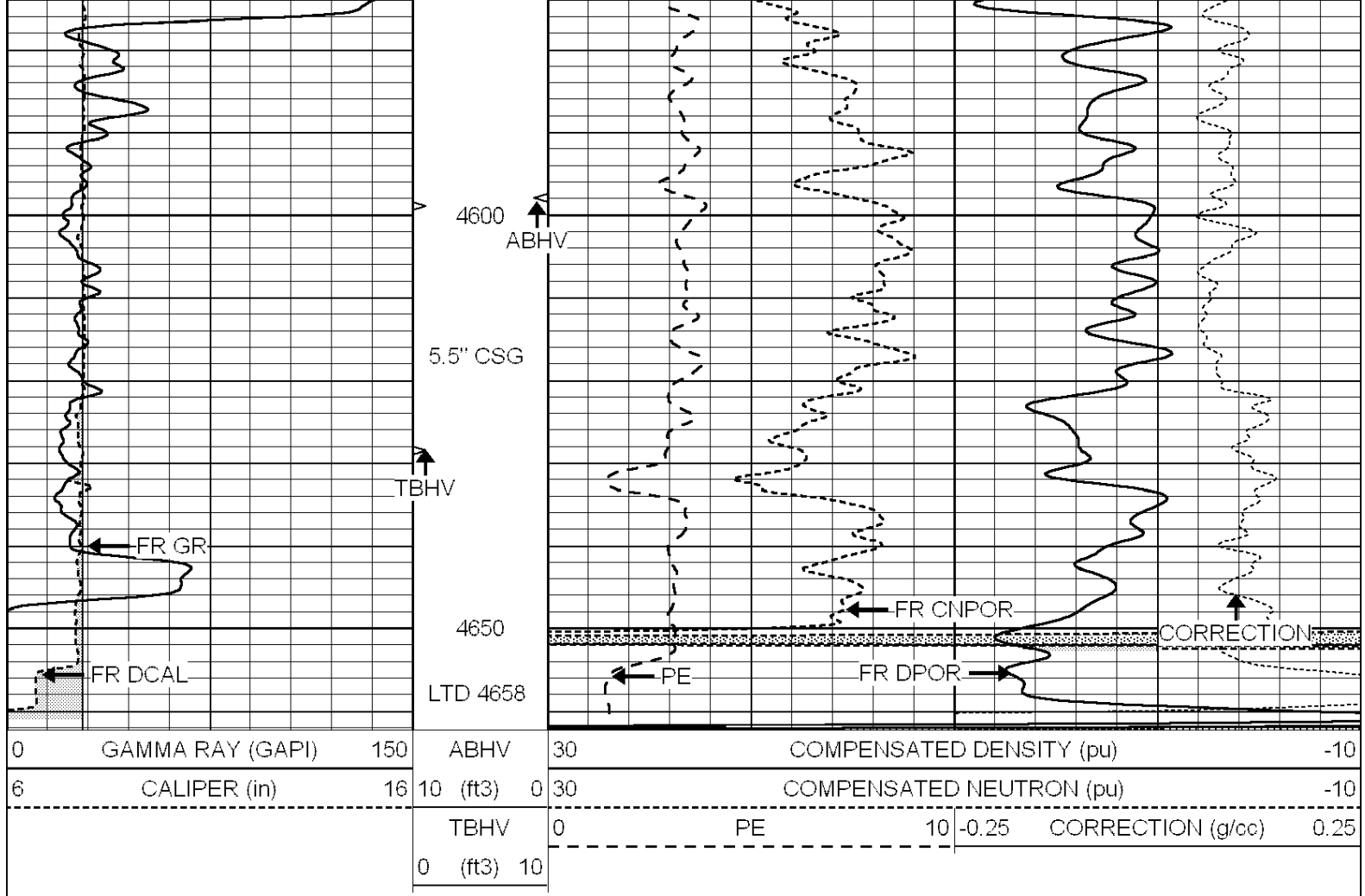
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4300

4350



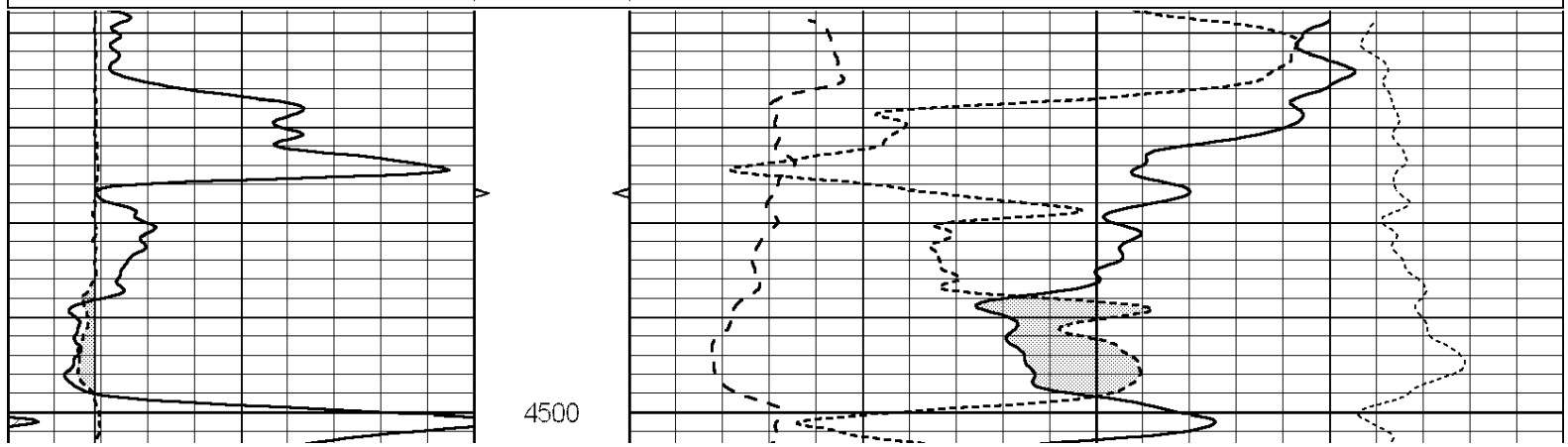
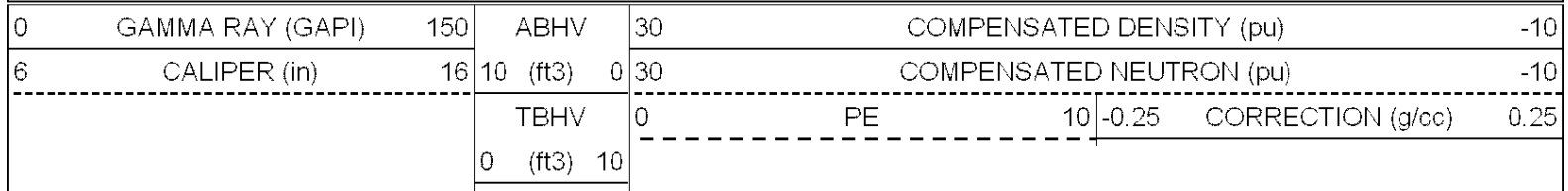


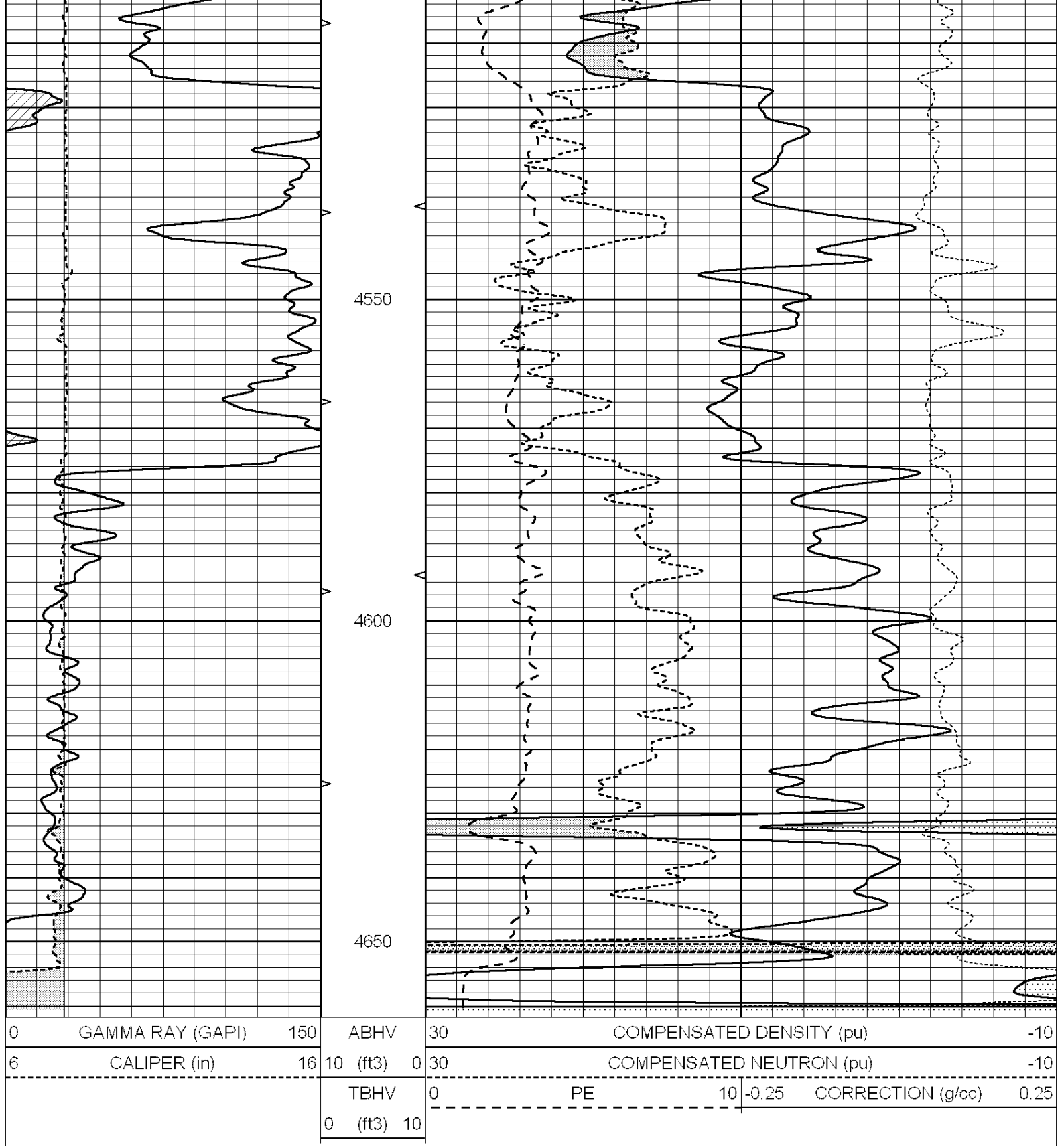


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REPEAT SECTION

Database File: 008057pe.db
 Dataset Pathname: pass7.2
 Presentation Format: _ldt_neu
 Dataset Creation: Fri Mar 02 13:14:18 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 008057pe.db
Dataset Pathname: pass7.2
Dataset Creation: Fri Mar 02 13:14:18 2012 by Calc Open-Cased 090629

Litho Density Calibration Report
Serial: 001 Model: PRB
Performed Thu Sep 17 09:57:21 2009

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2056.0	9796.8	3673.1	10821.3	cps
Window 2	1920.0	8541.1	3303.5	9307.2	cps
Window 3	1563.1	4735.7	2212.8	5017.5	cps
Window 4	466.0	466.1	465.6	471.5	cps
Long Space	0.0	6621.1	1383.5	7387.2	cps
Short Space	2.5	2361.7	1523.2	2534.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.4	Rib Slope	: 0.978	Density/Spine Ratio	: 0.541
Spine Angle	: 74.4	Spine Slope	: 3.570	Spine Intercept	: -18.9
Caliper					
	Readings	Reference			
Low Ref	3.1	8.4			
High Ref	4.3	14.3			
	Gain: 4.6		Offset: -7.7		
Compensated Neutron Calibration Report					
		Serial Number:	6I		
		Tool Model:	G		
CALIBRATION					
	Detector	Readings	Target		Normalization
	Short Space	1.00 cps	1.00 cps		1.0000
	Long Space	1.00 cps	1.00 cps		1.0000
Gamma Ray Calibration Report					
	Serial Number:	#8			
	Tool Model:	OPEN			
	Performed:	Mon Jun 13 16:56:43 2011			
	Calibrator Value:	150.0	GAPI		
	Background Reading:	0.0	cps		
	Calibrator Reading:	175.0	cps		
	Sensitivity:	0.8371	GAPI/cps		