



SUPERIOR
Hays,
Kansas

COMPENSATED
NEUTRON / DENSITY
PE LOG

Company LOTUS OPERATING COMPANY, LLC.		Company LOTUS OPERATING COMPANY, LLC.	
Well #1 BURGESS "B"		Well #1 BURGESS "B"	
Field STRANATHAN		Field STRANATHAN	
County BARBER		County BARBER	
State KANSAS		State KANSAS	
Location: NE - SW - SW		API # : 15-007-23866-0000	
SEC 27 TWP 34S RGE 12W		Other Services DIL MEL/SON	
Permanent Datum	GROUND LEVEL	Elevation	1446
Log Measured From	KELLY BUSHING 12' A.G.L.	K.B.	1453
Drilling Measured From	KELLY BUSHING	D.F.	1456
		G.L.	1446
Date	5/13/12		
Run Number	ONE		
Depth Driller	5523		
Depth Logger	5520		
Bottom Logged Interval	5496		
Top Log Interval	3700		
Casing Driller	10 3/4" @ 276		
Casing Logger	270		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	5500 PPM
Density / Viscosity	9.6/40		
pH / Fluid Loss	11.5/9.6		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.70 @ 86F		
Rinf @ Meas. Temp	.52 @ 86F		
Rinc @ Meas. Temp	.84 @ 86F		
Source of Rinf / Rinc	MEASURED		
Rin @ BHT	.46 @ 130F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	130F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
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

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
MEDICINE LODGE, KS. - S. TO RATTLESNAKE TRAIL - 2 1/2 W. - N. INTO

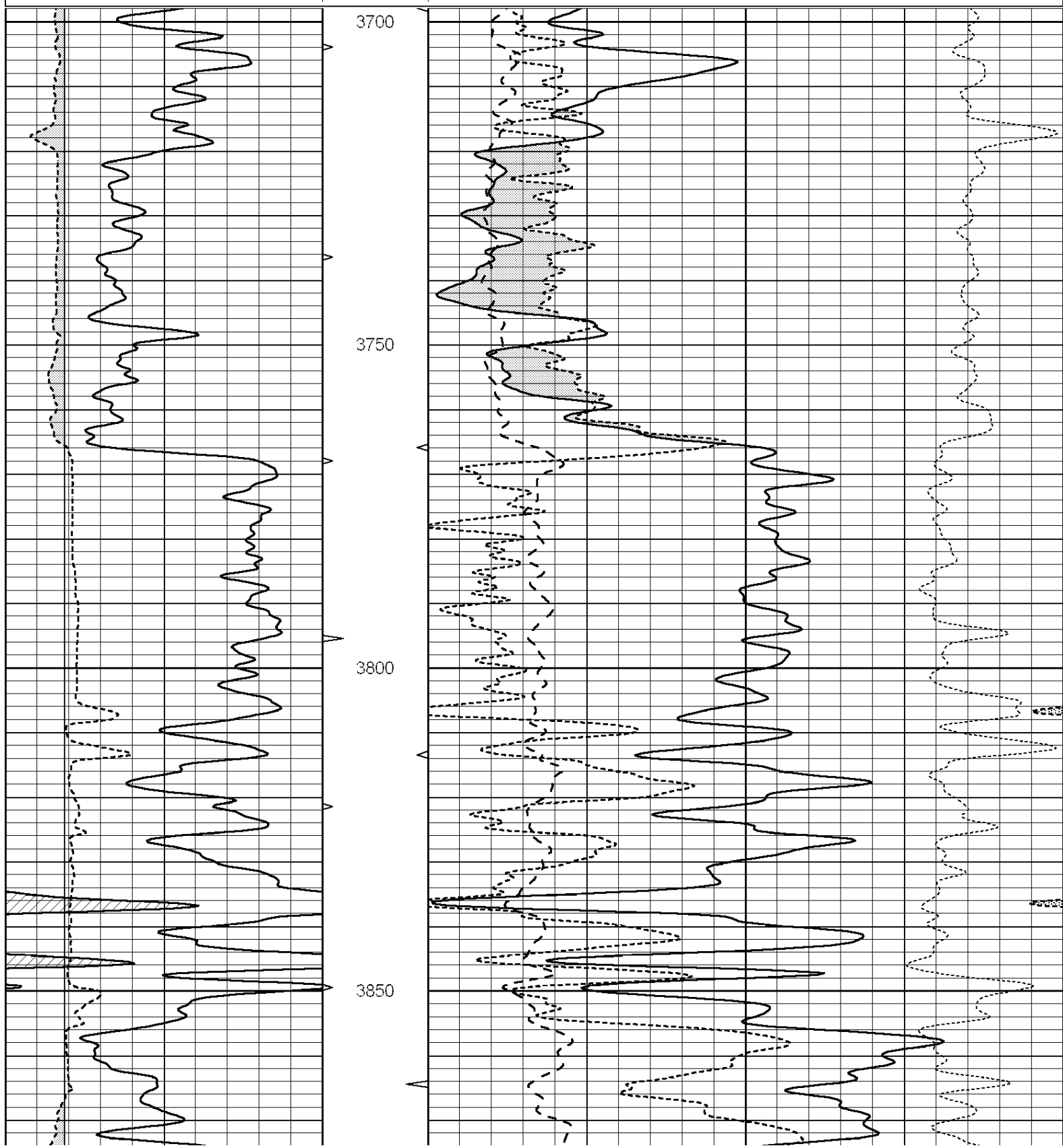


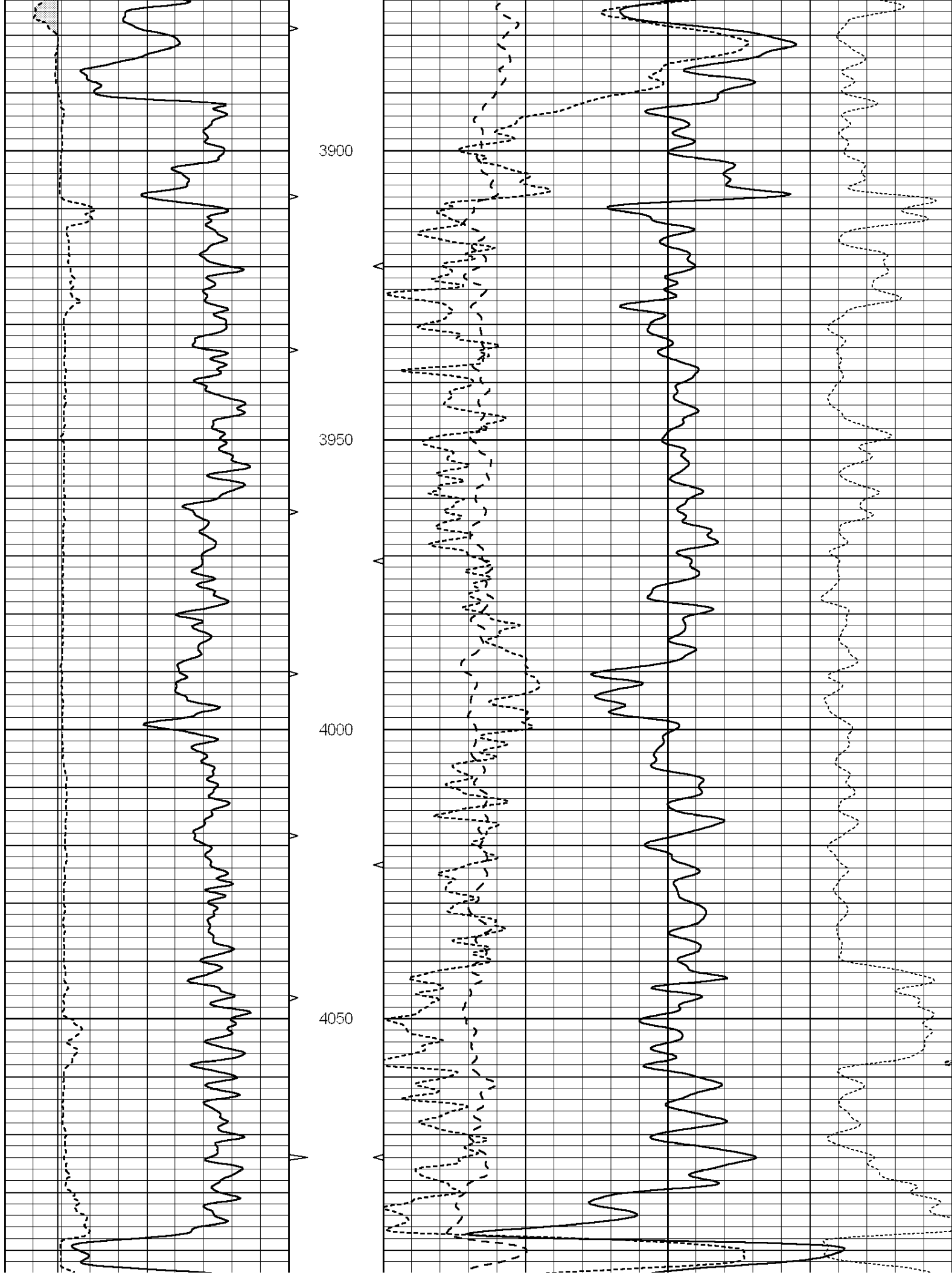
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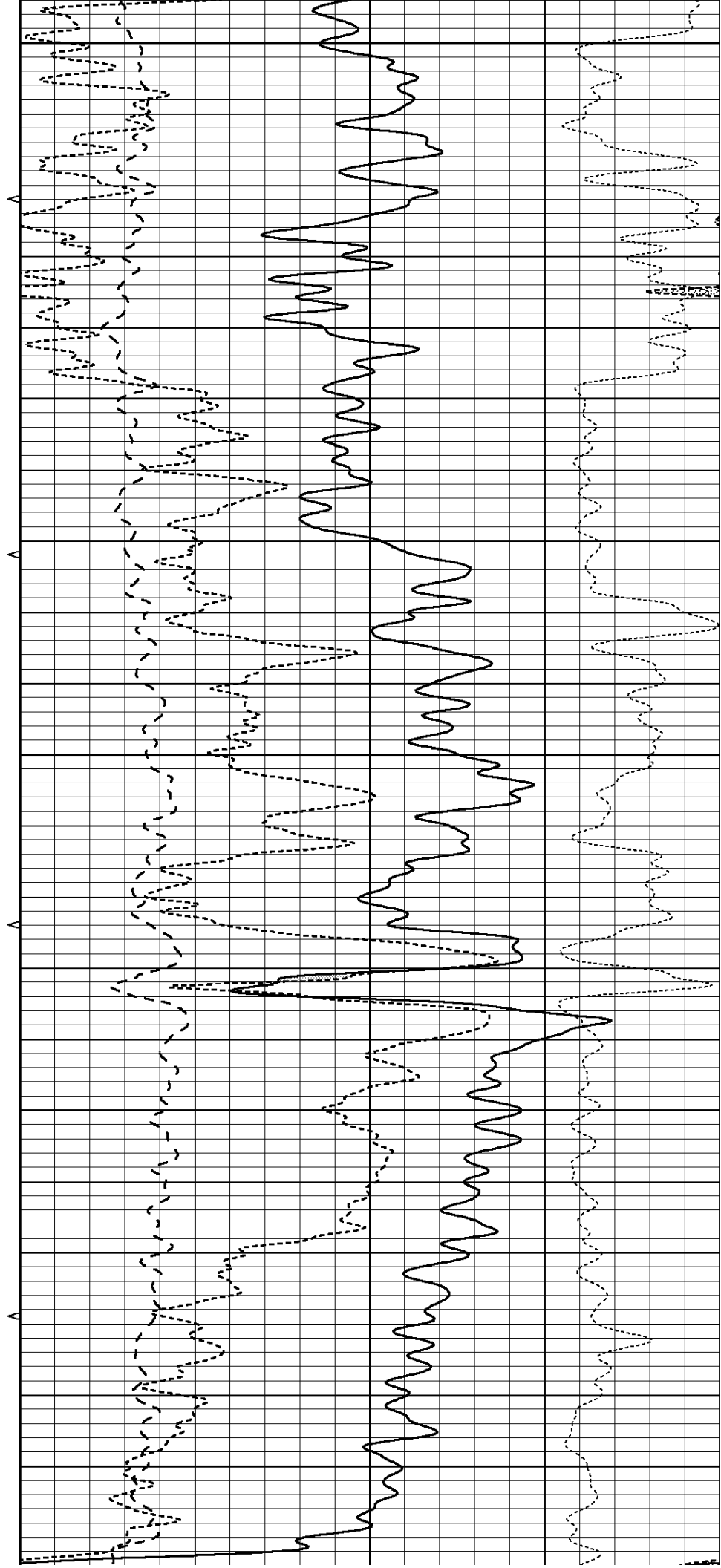
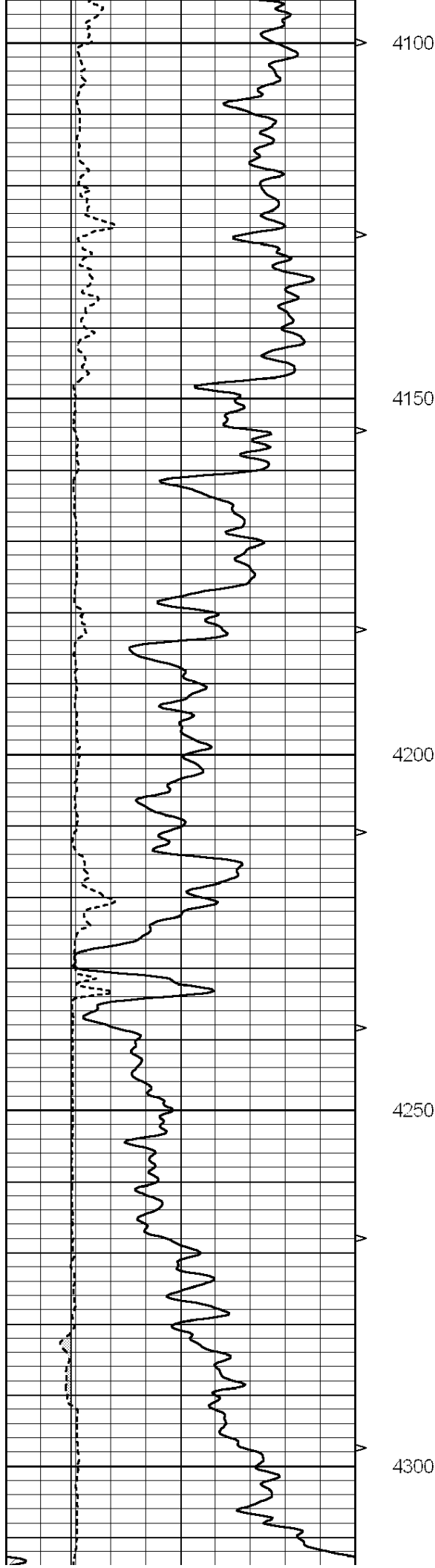
MAIN SECTION

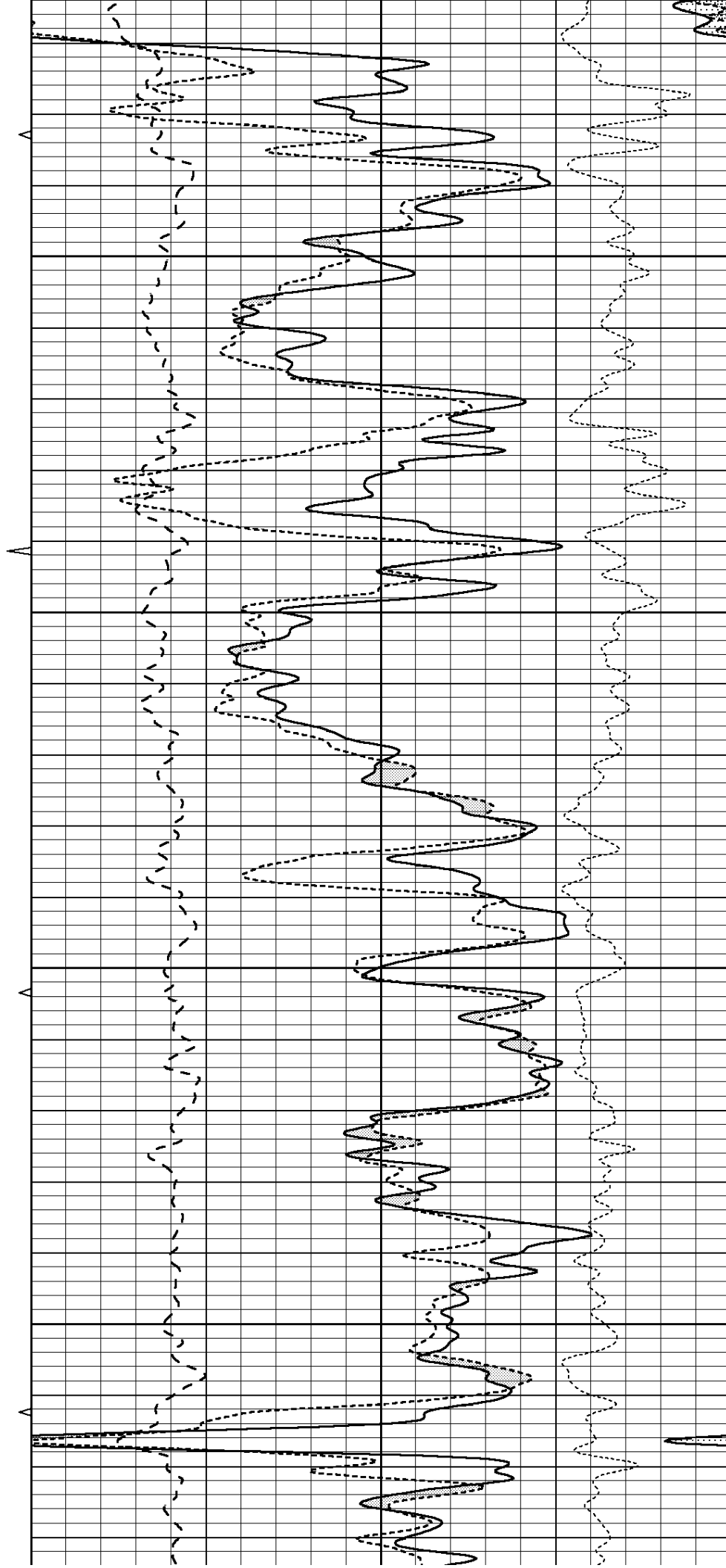
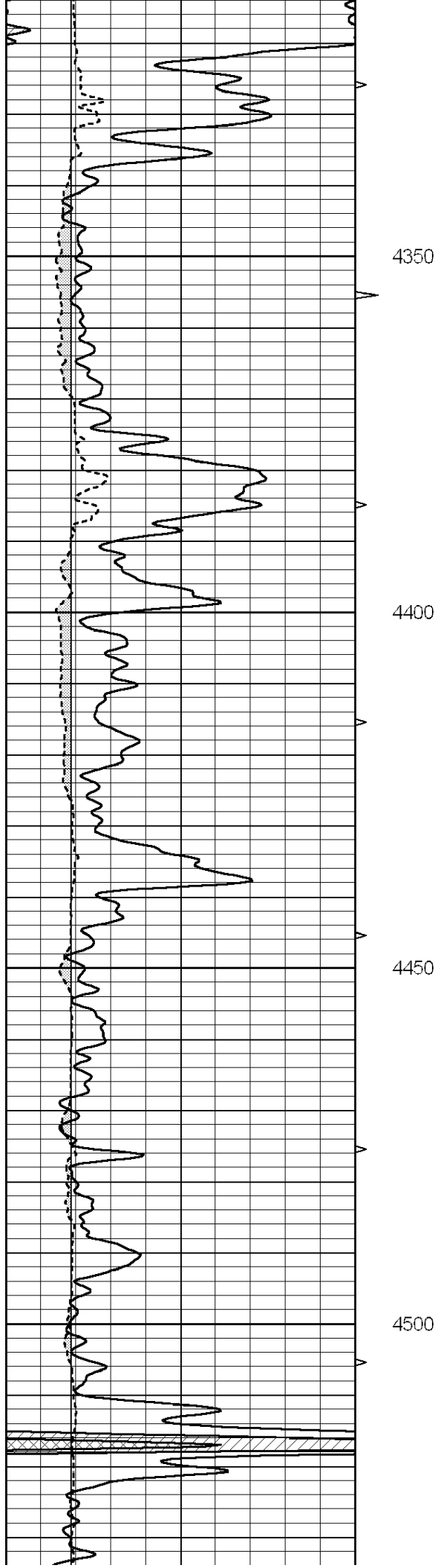
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 Charted by: Depth in Feet scaled 1:240

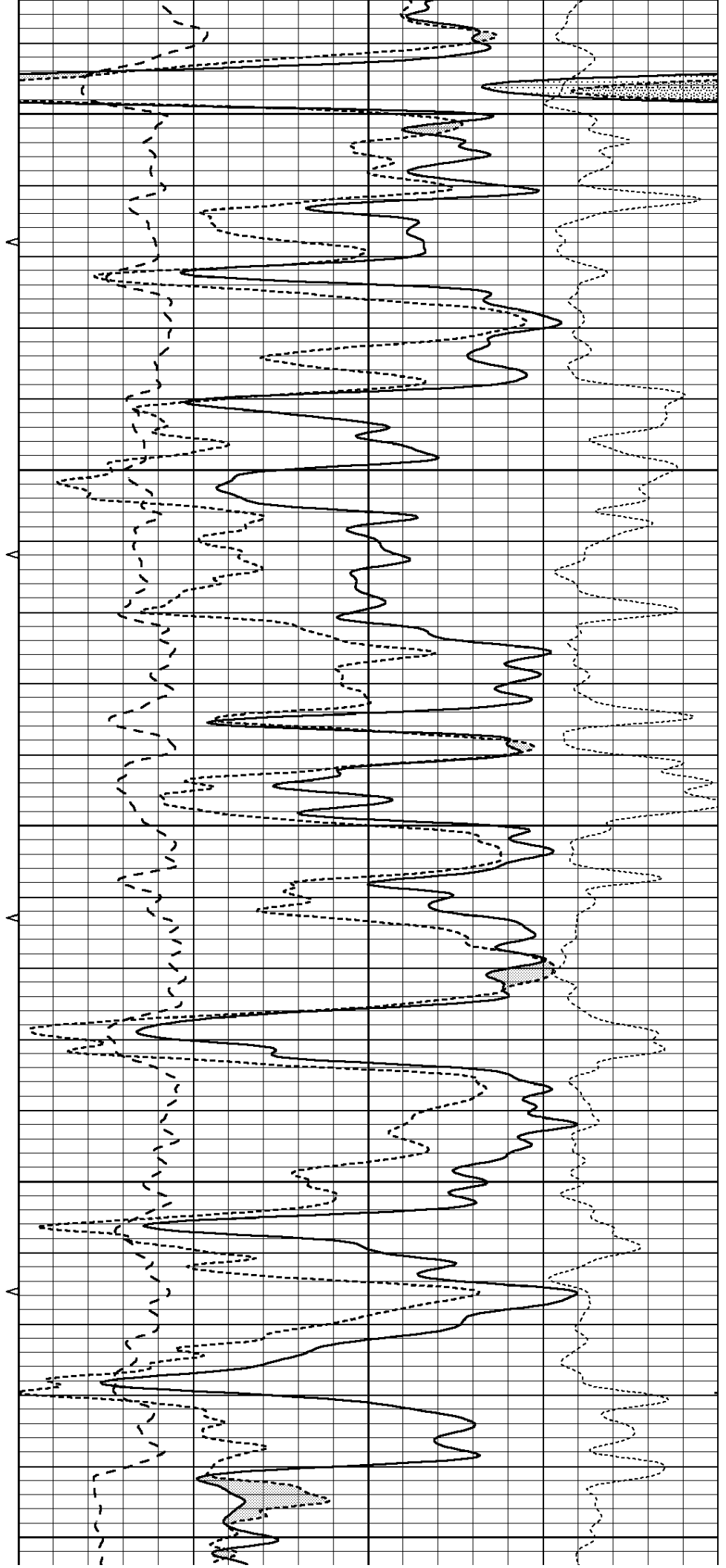
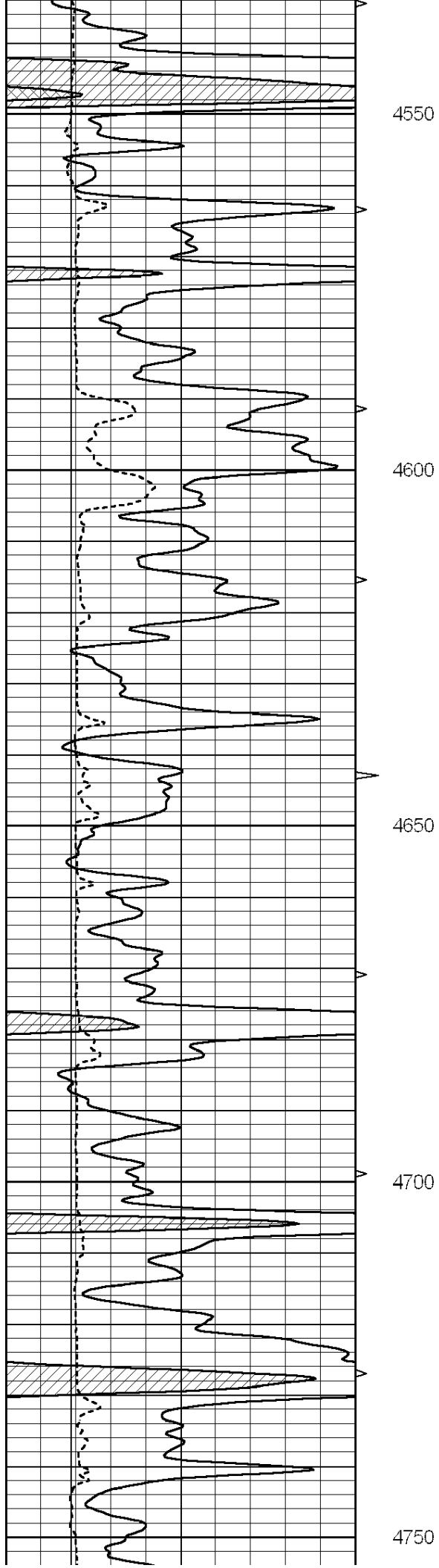
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6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)				-10
			TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10						

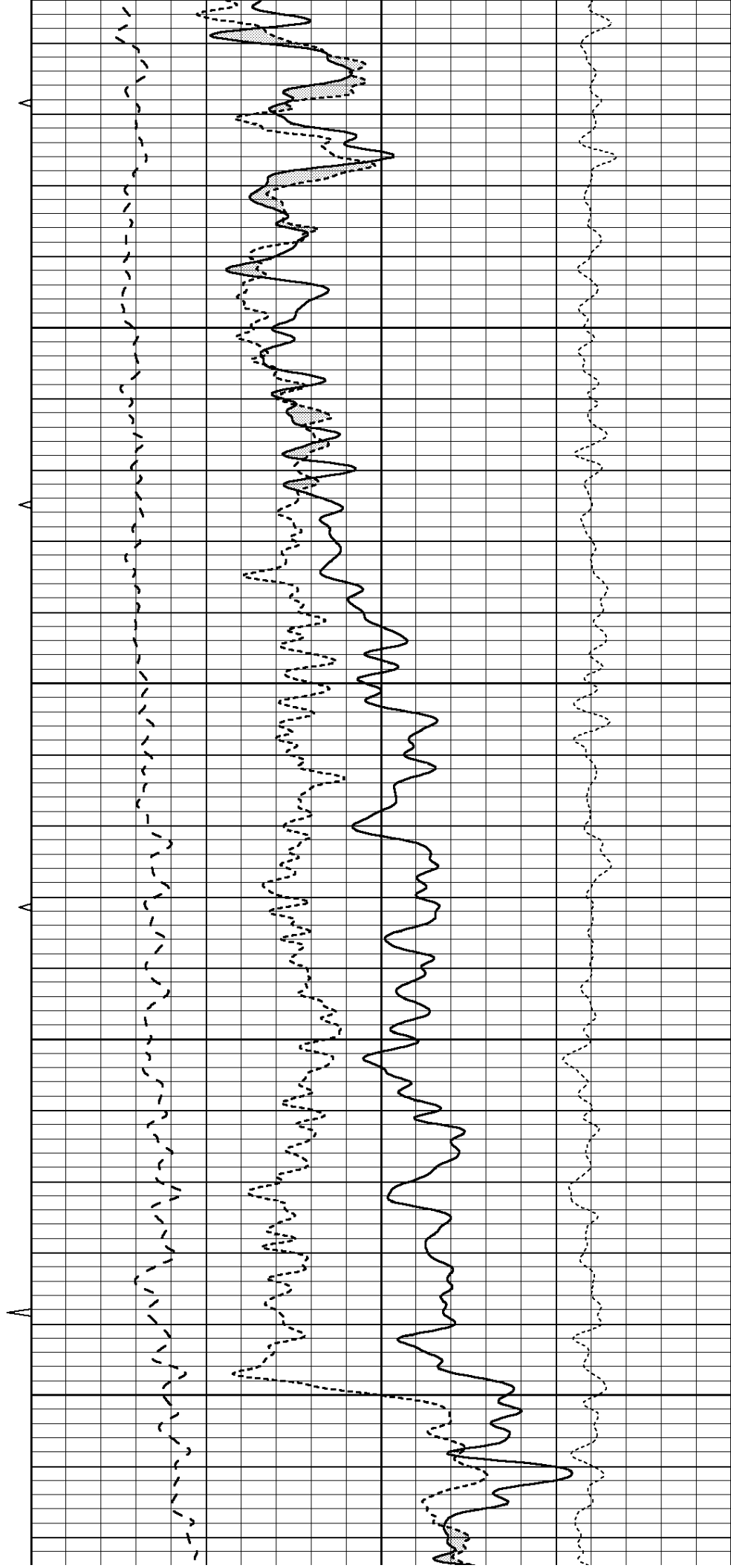
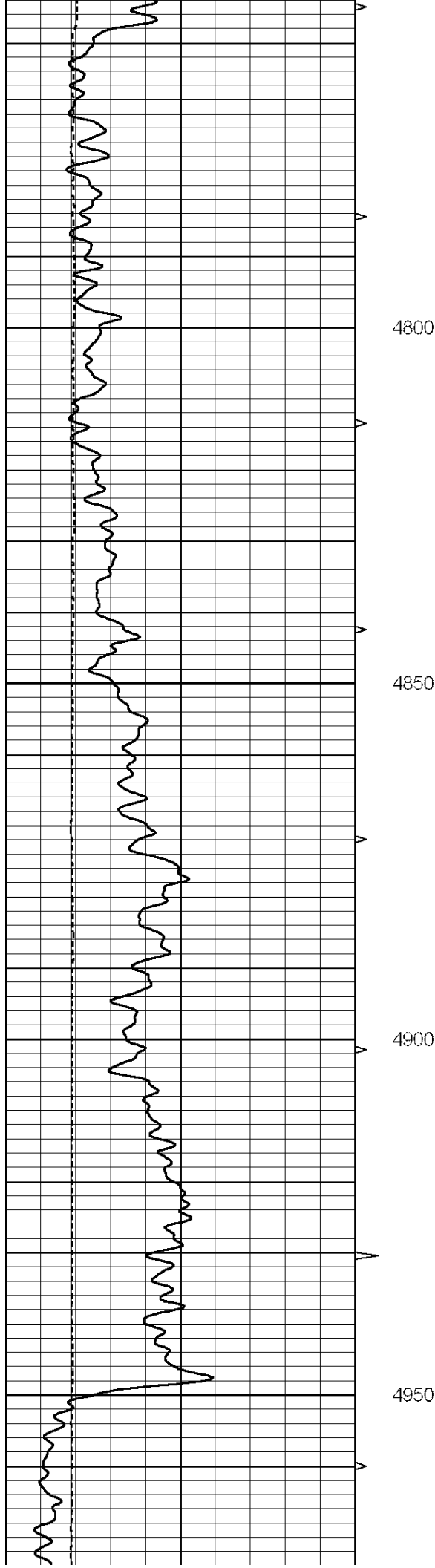


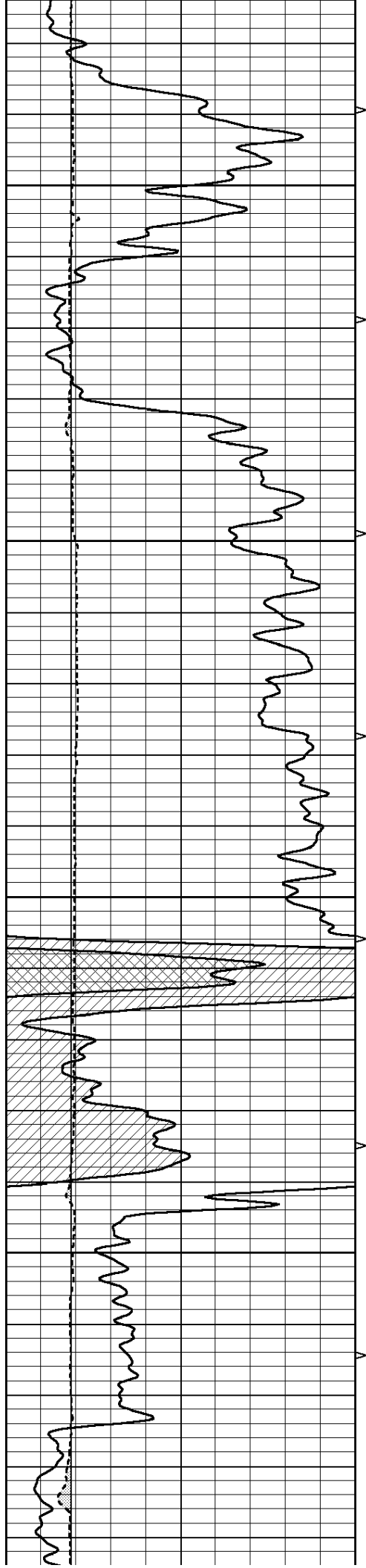










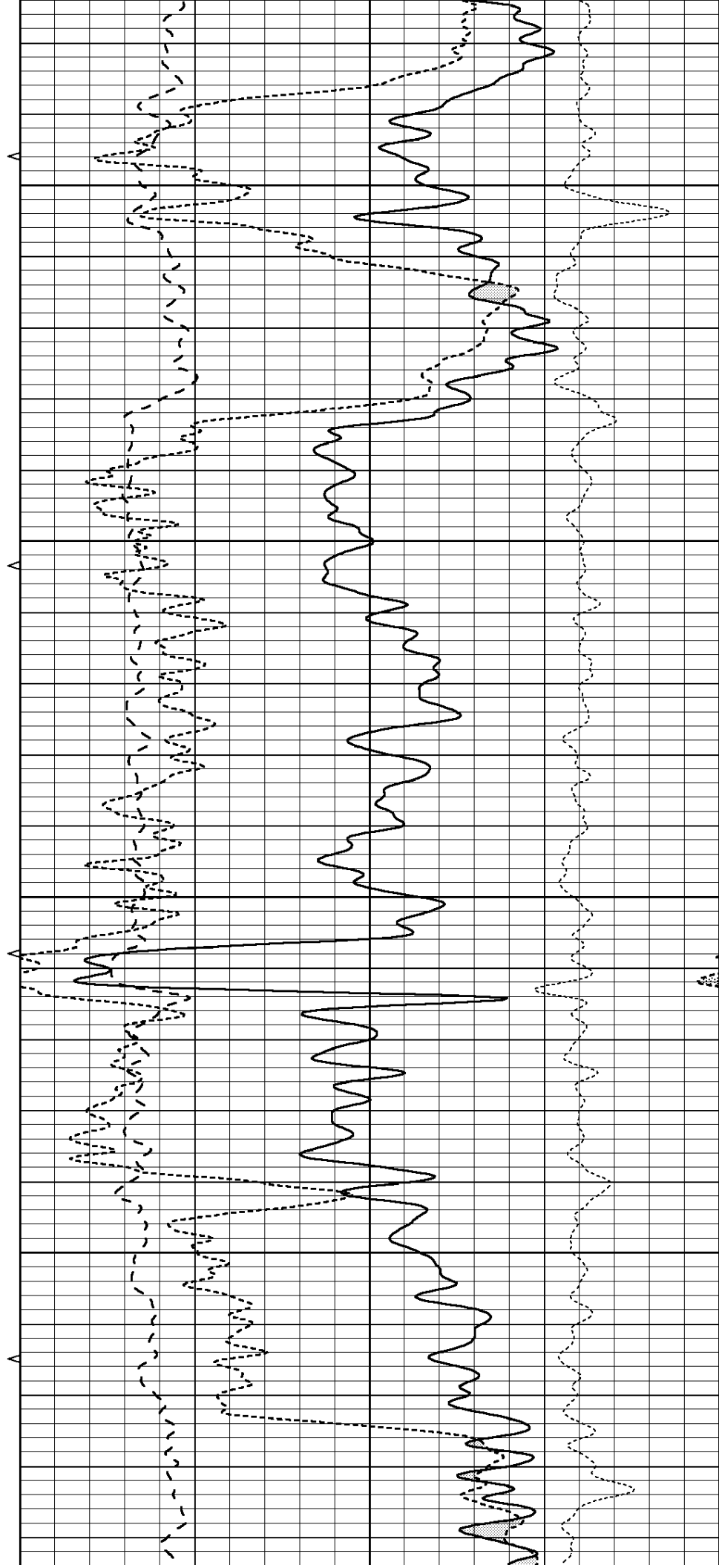


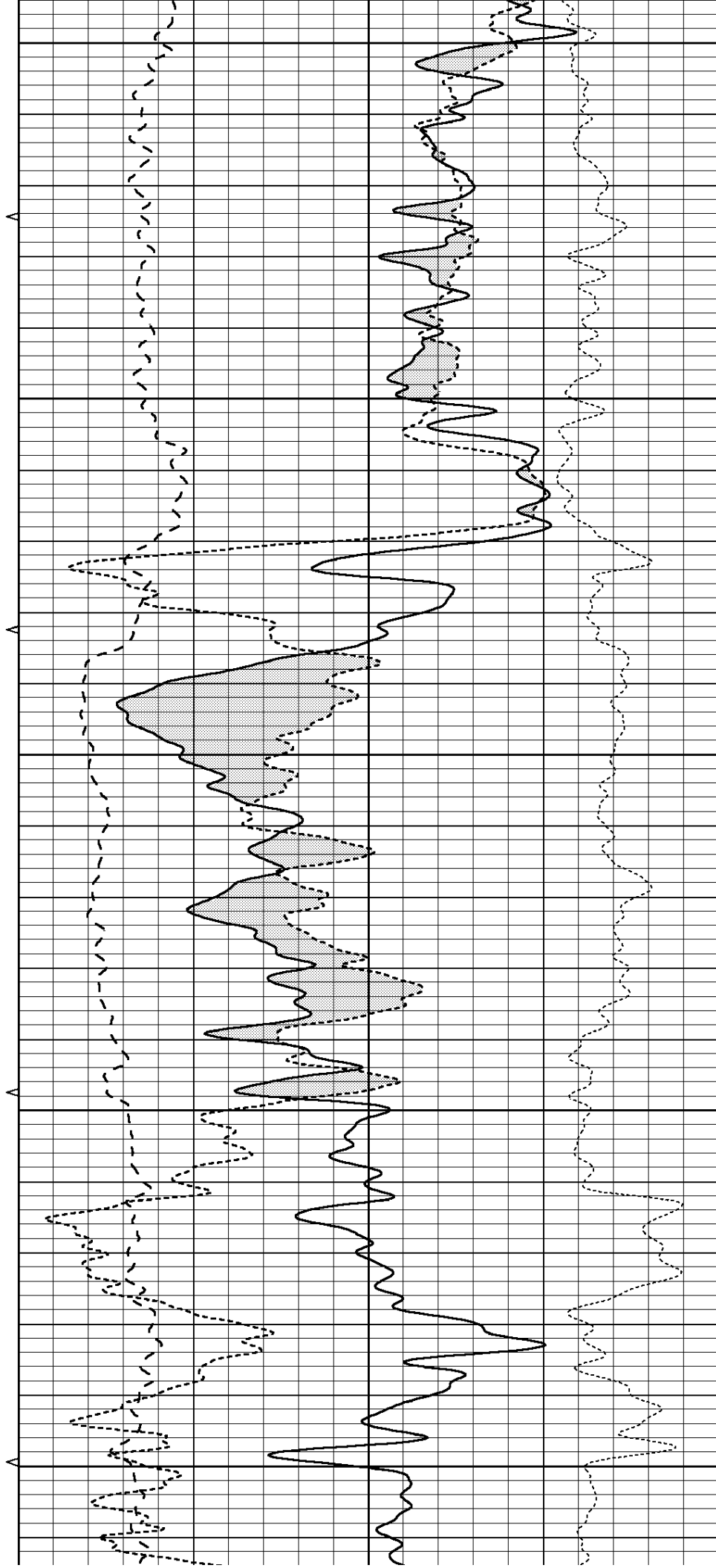
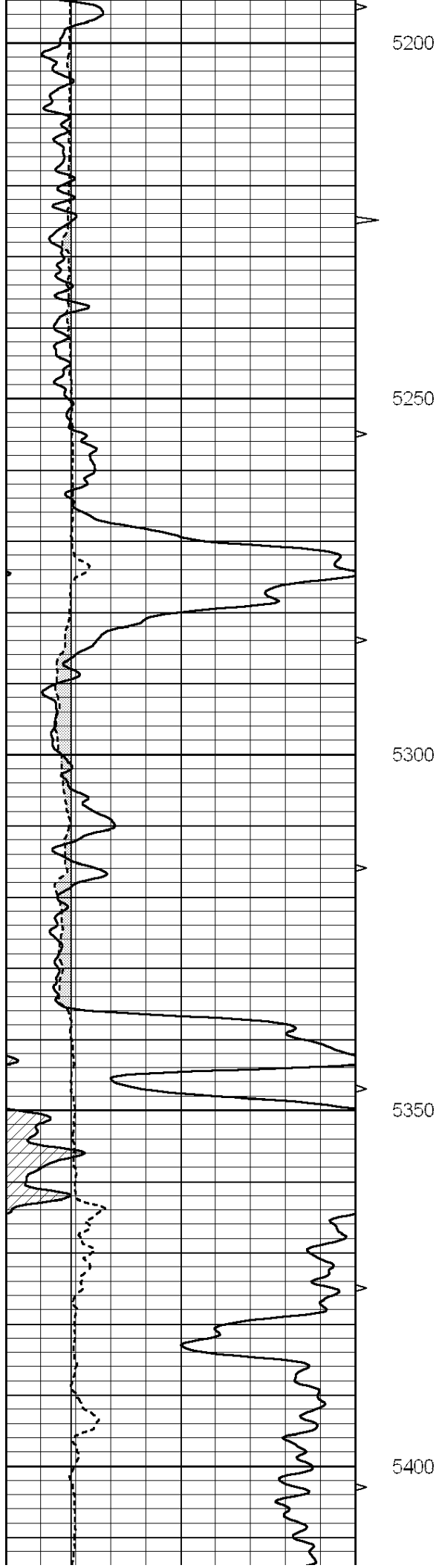
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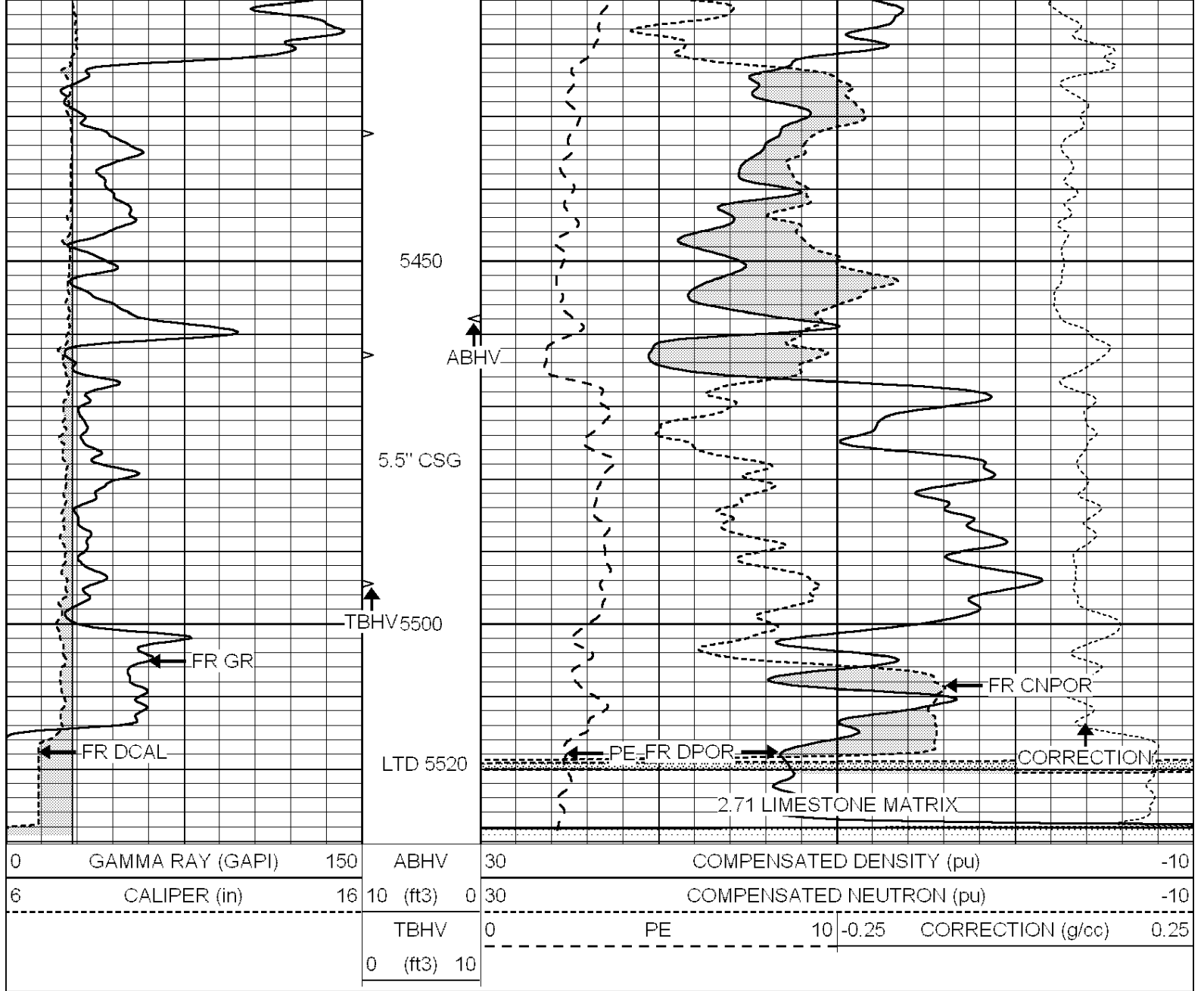
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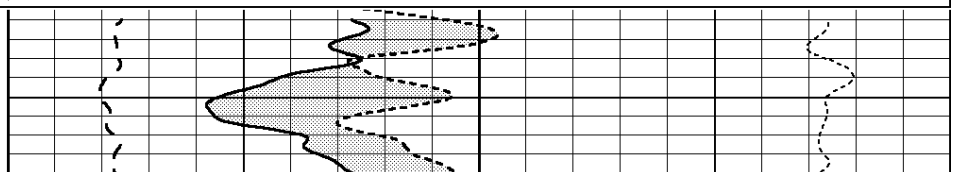
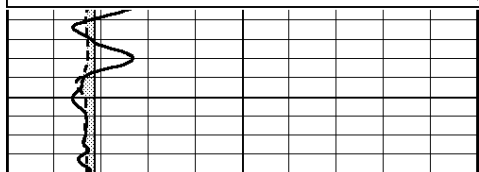


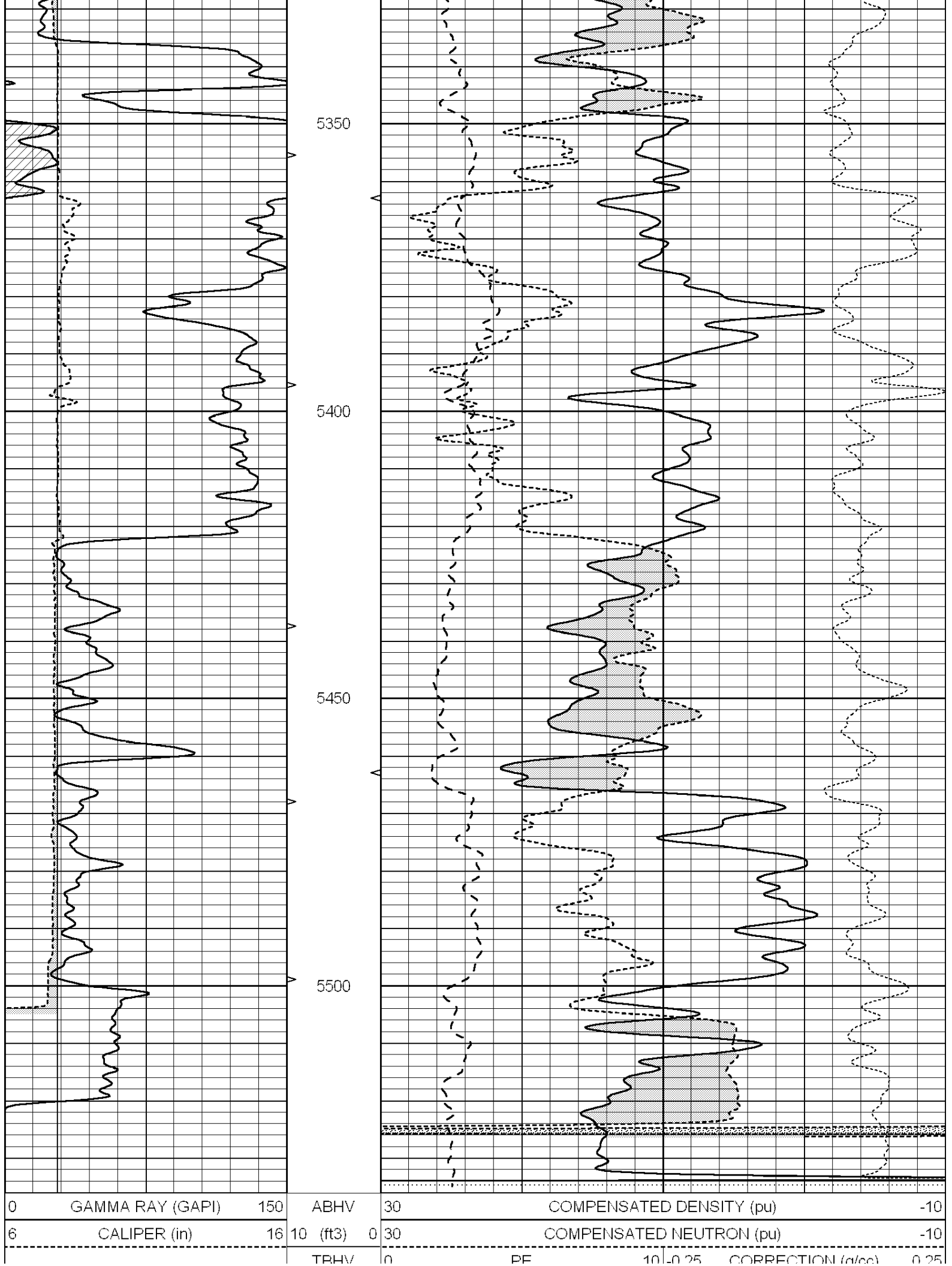
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REPEAT SECTION

Database File: 009071pe.db
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 Presentation Format: _ldt_neu
 Dataset Creation: Sun May 13 10:51:20 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	COMPENSATED NEUTRON (pu)	-10
			TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10		





Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	870.3	7347.3	2308.1	8190.4	cps
Window 2	820.7	6010.4	1961.8	6596.5	cps
Window 3	670.4	3295.4	1229.9	3546.4	cps
Window 4	200.2	200.9	202.7	203.6	cps
Long Space	0.0	5189.7	1141.2	5775.9	cps
Short Space	1.1	1012.5	681.4	1078.9	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.3	Rib Slope	: 1.012	Density/Spine Ratio	: 0.562

Spine Angle		: 75.3	Spine Slope		: 3.825	Spine Intercept		: -17.9
Caliper								
Low Ref	Readings	3.7	Reference		8.0			
High Ref		6.1			14.0			
	Gain: 2.5					Offset: -1.2		
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				