



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
PE LOG

Company	LOTUS OPERATING CO., LLC.		
Well	#5 SUZIE		
Field			
County	BARBER	State	KANSAS
Location:	APL # : 15-007-23721-0000		Other Services DIL/MEL SONIC
Permanent Datum	GROUND LEVEL	Elevation	1386
Log Measured From	KELLY BUSHING 9' A.G.L.		
Drilling Measured From	KELLY BUSHING		
	SEC 30 TWP 34S RGE 11W		
Date	7/1/11		
Run Number	ONE		
Depth Driller	5400		
Depth Logger	5396		
Bottom Logged Interval	5372		
Top Log Interval	3600		
Casing Driller	10 3/4" @ 266		
Casing Logger	268		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4500 PPM	
Density / Viscosity	9.4/43		
pH / Fluid Loss	9.0/11.2		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.70 @ 89F		
Rinf @ Meas. Temp	.52 @ 89F		
Rinc @ Meas. Temp	.84 @ 89F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	.48 @ 128F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	128F		
Equipment Number	0836		
Location	HAYS, KANSAS		
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 HAYS, KANSAS (785) 628-6395
DIRECTIONS
MEDICINE LODGE KS., - 16 S. TO RATTLESNAKE RD. - 3/4 E. - N. INTO

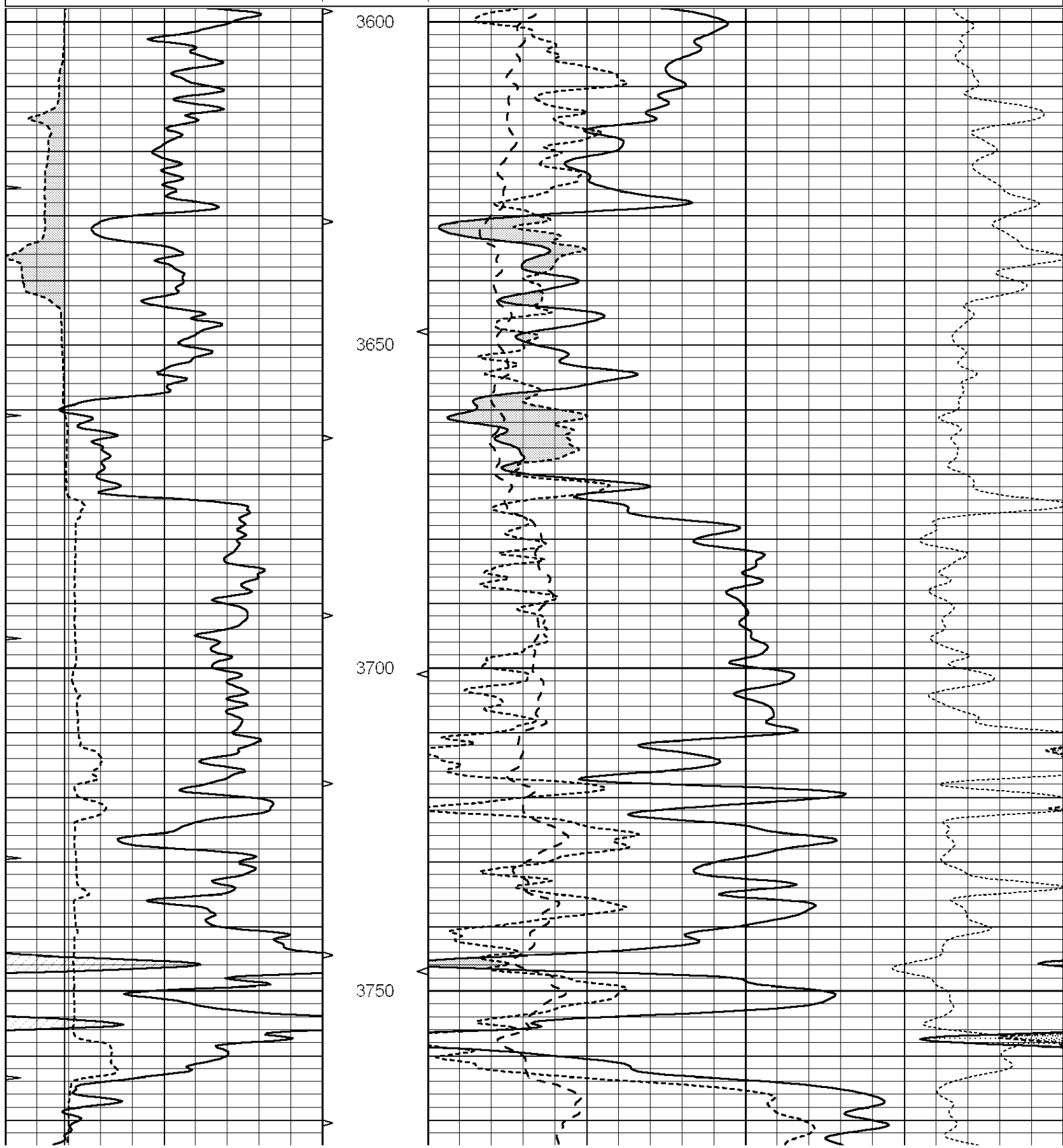


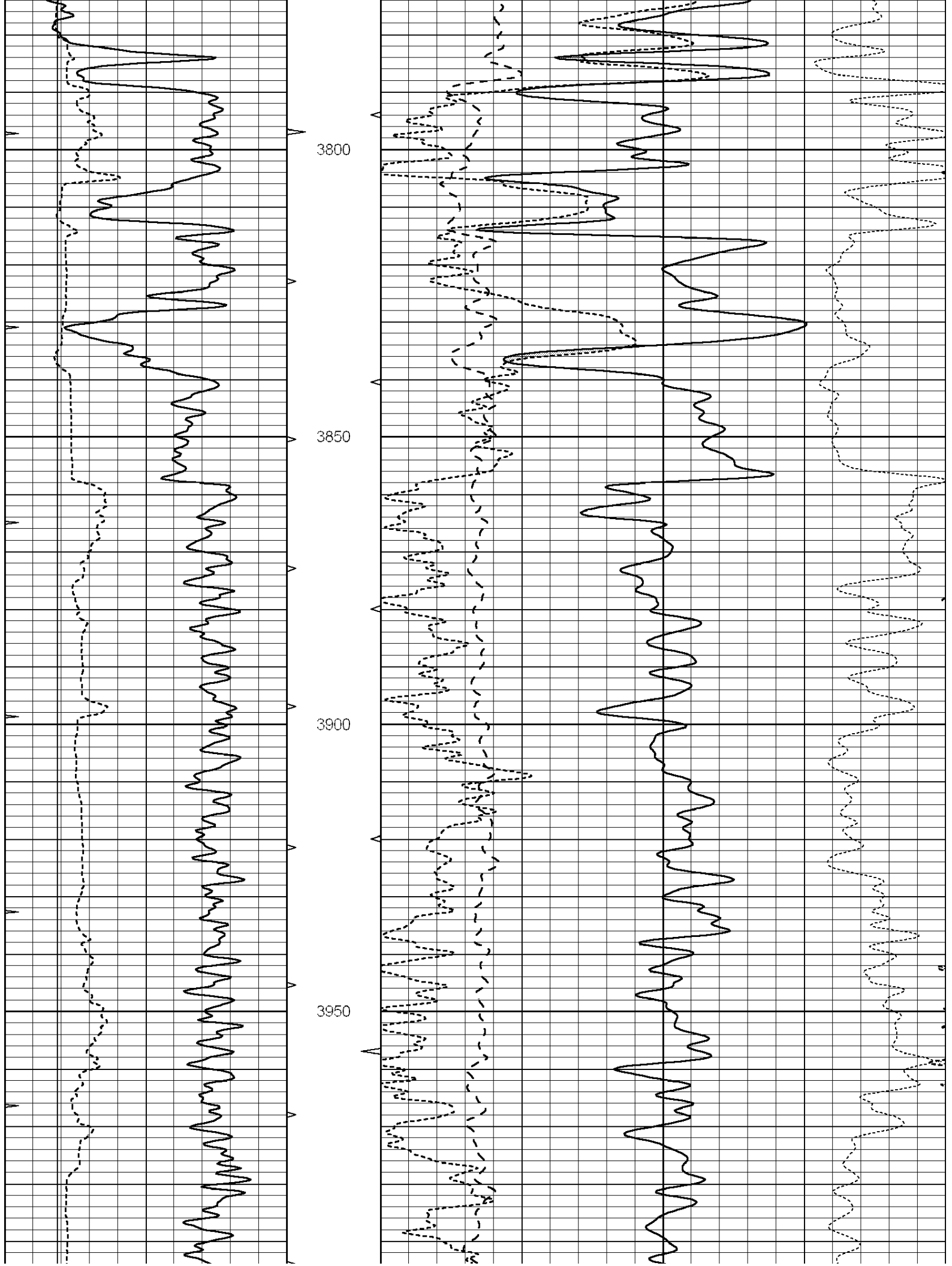
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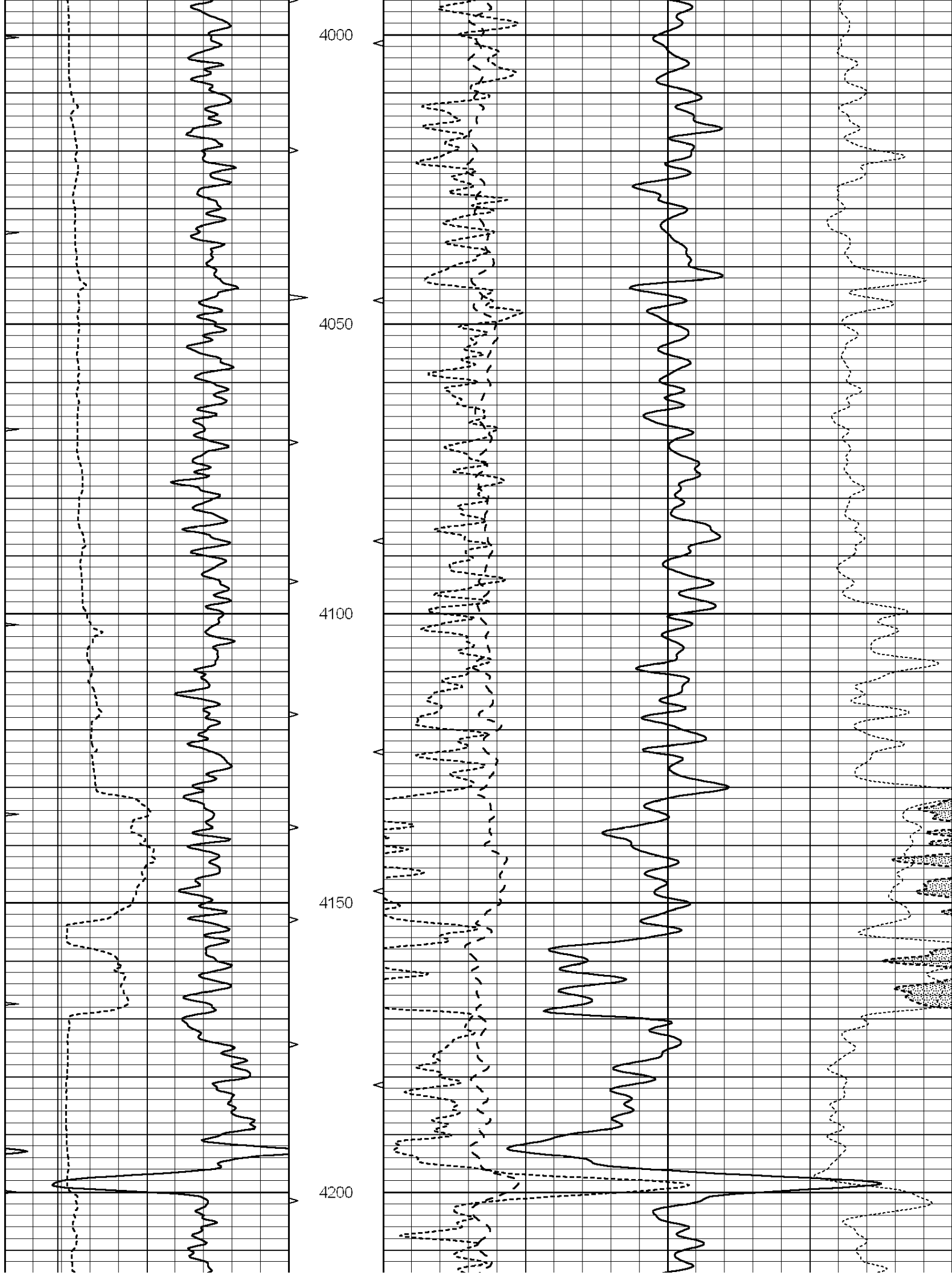
MAIN SECTION

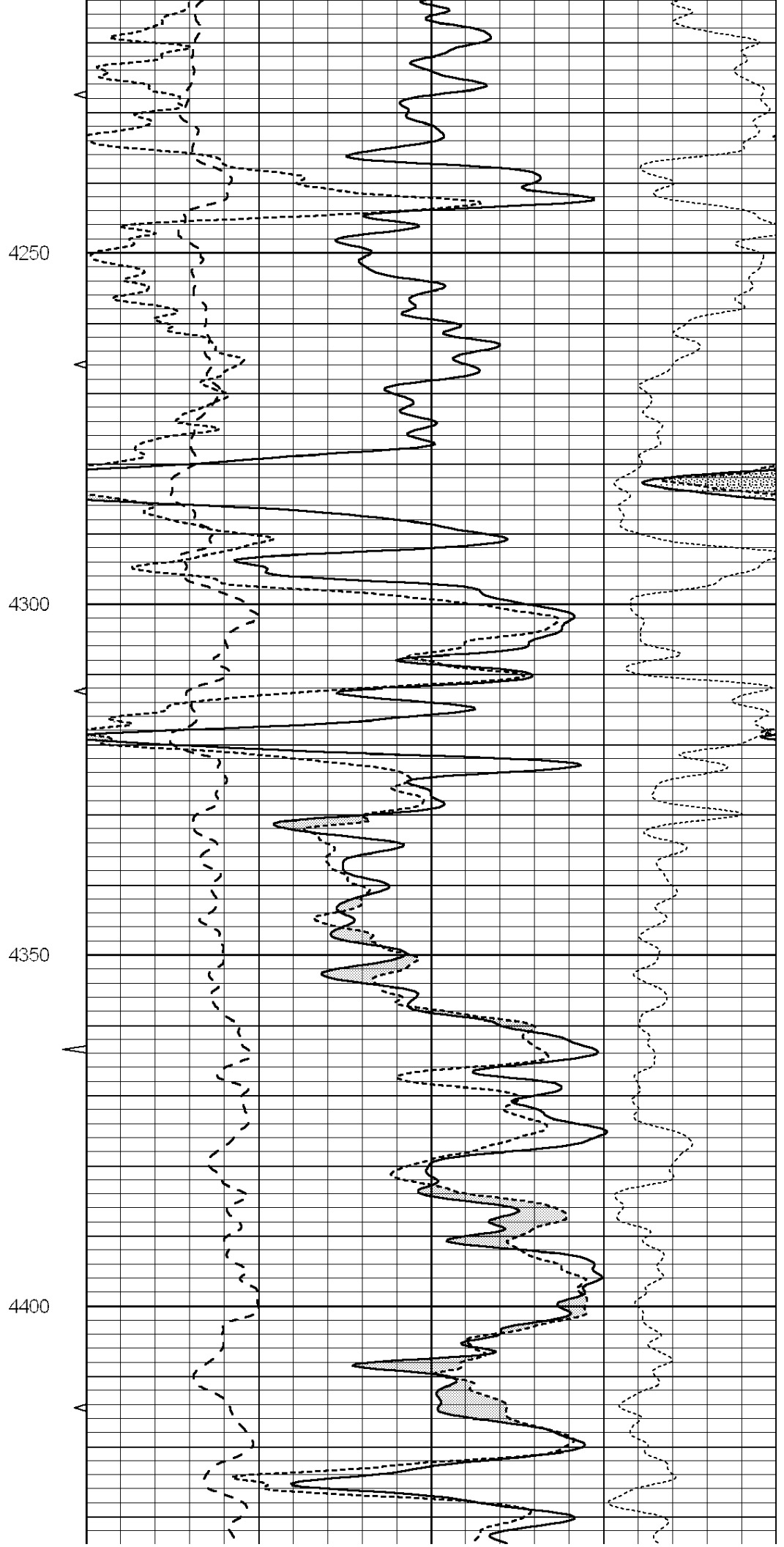
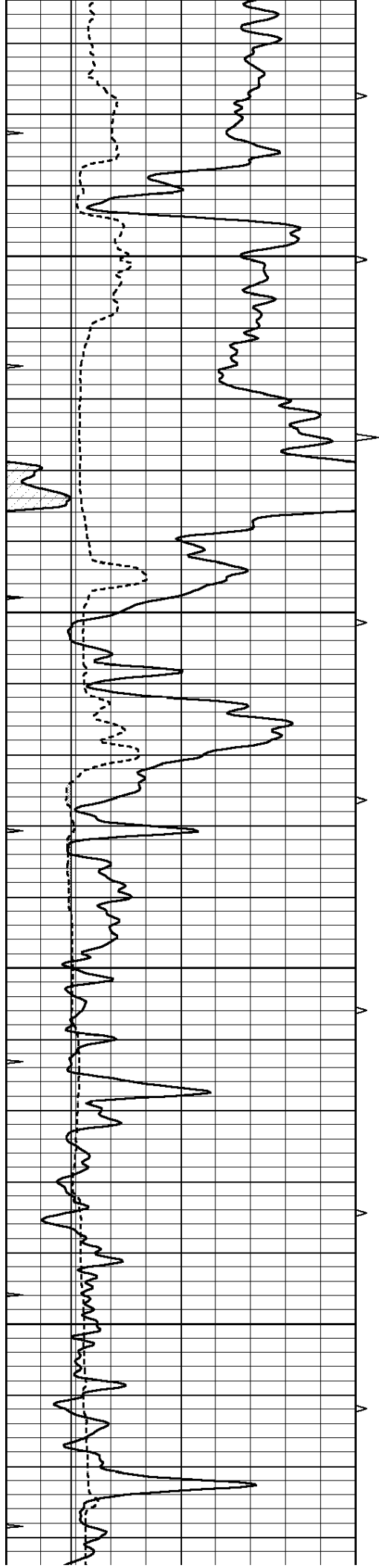
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Presentation Format: ldt_neu
Dataset Creation: Fri Jul 01 08:46:47 2011 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:240

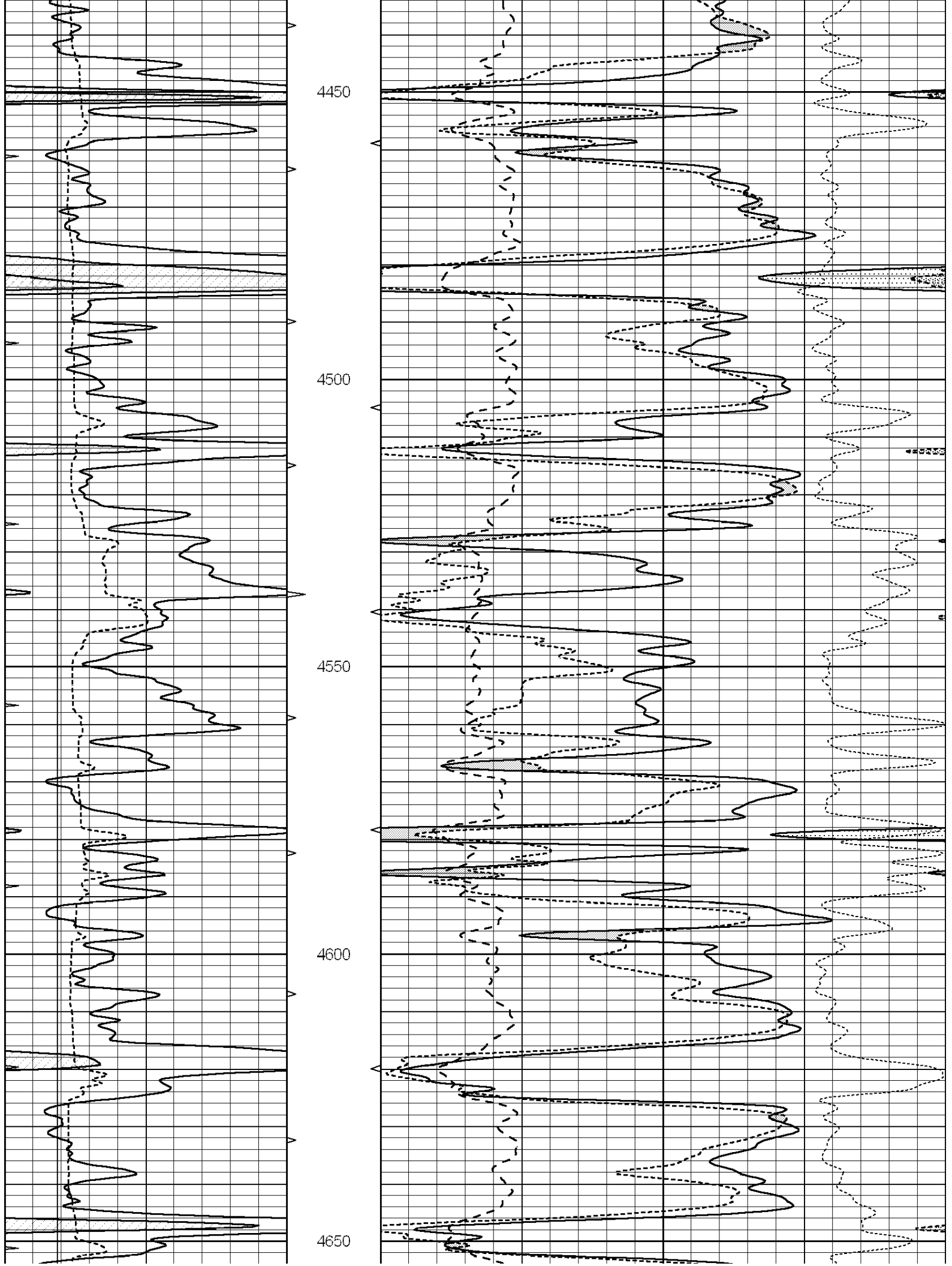
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6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10		

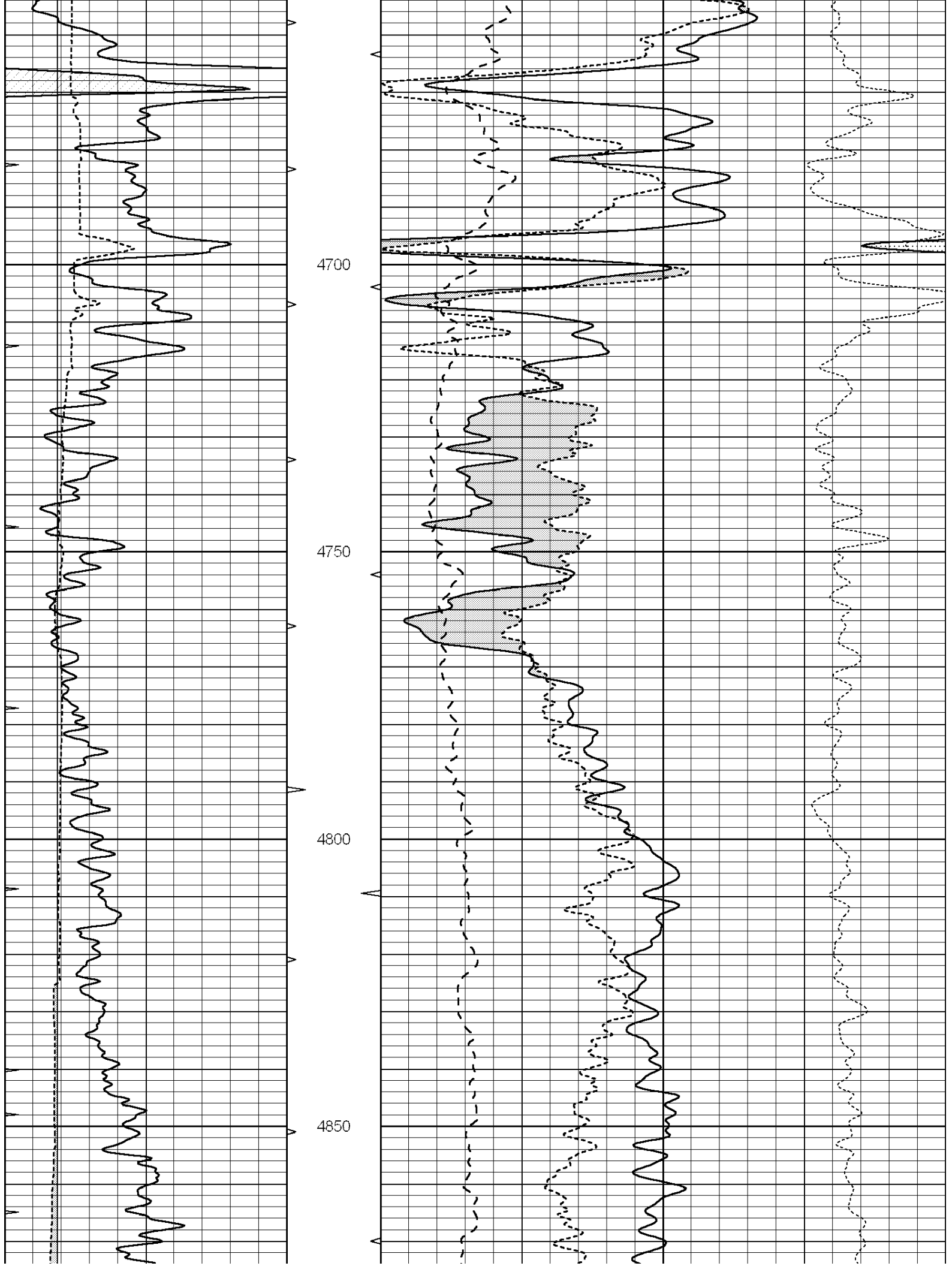


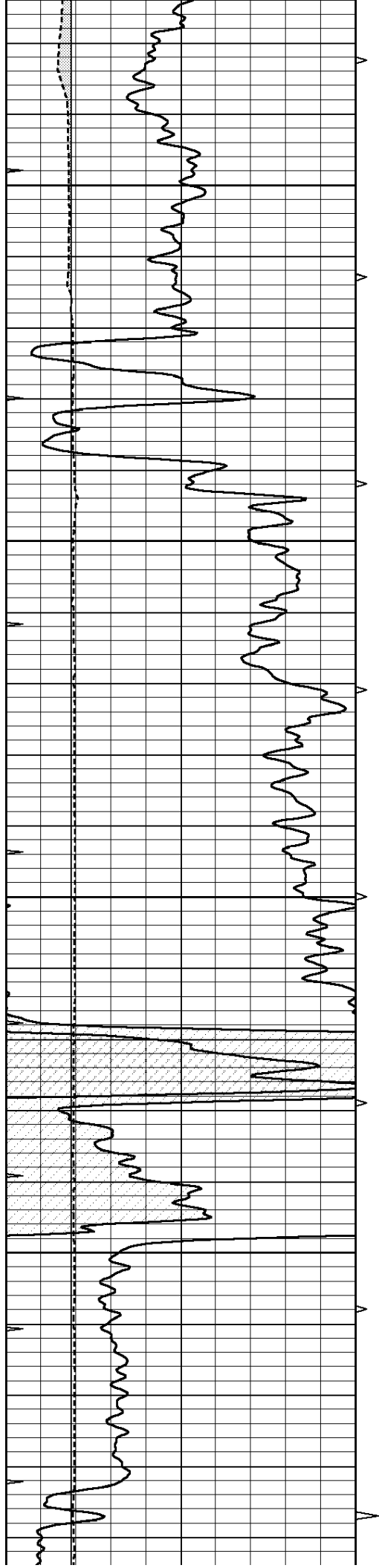










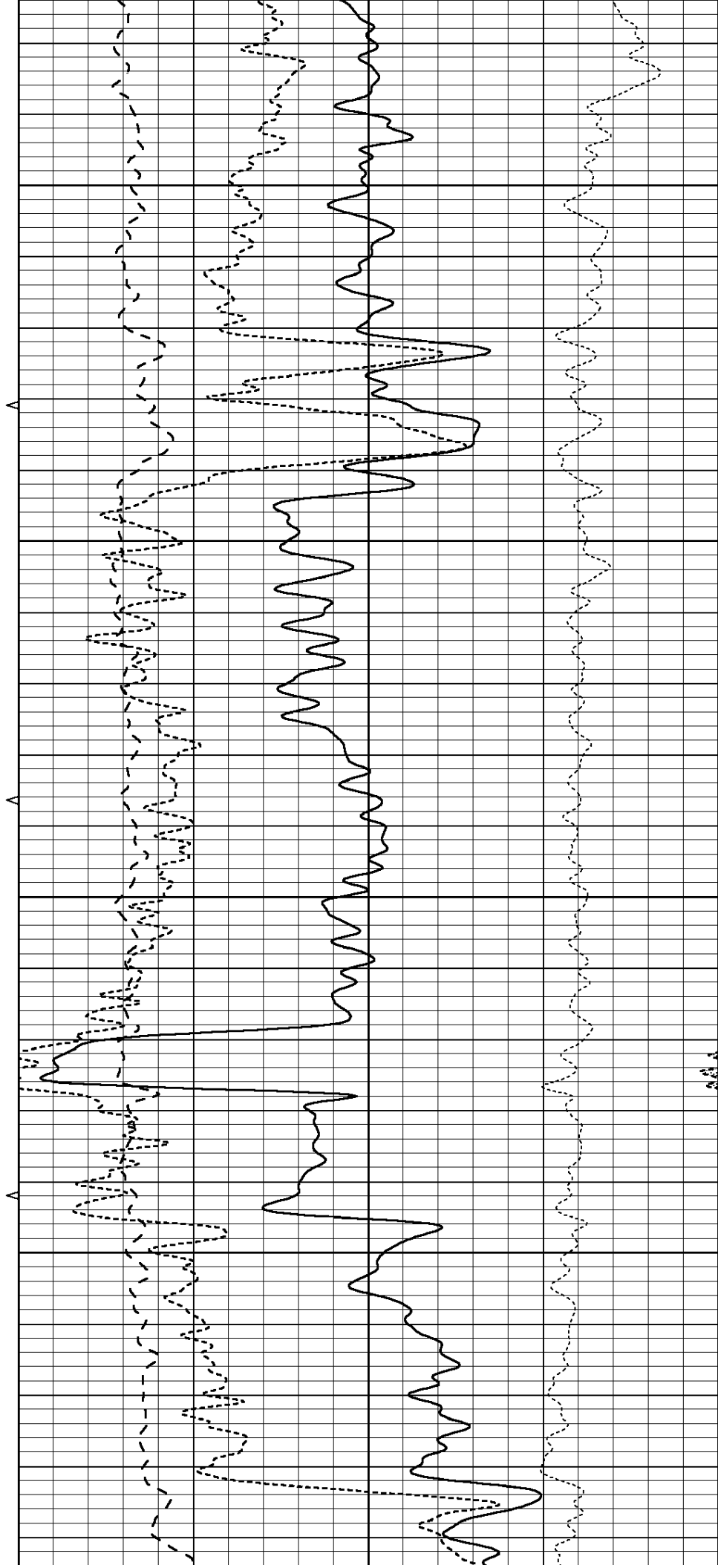


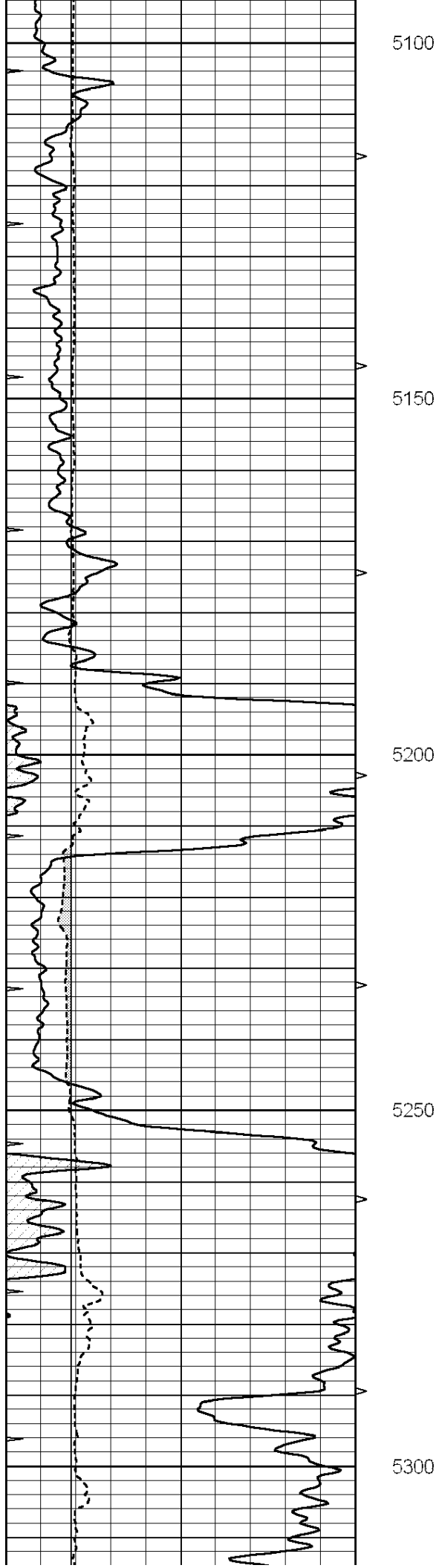
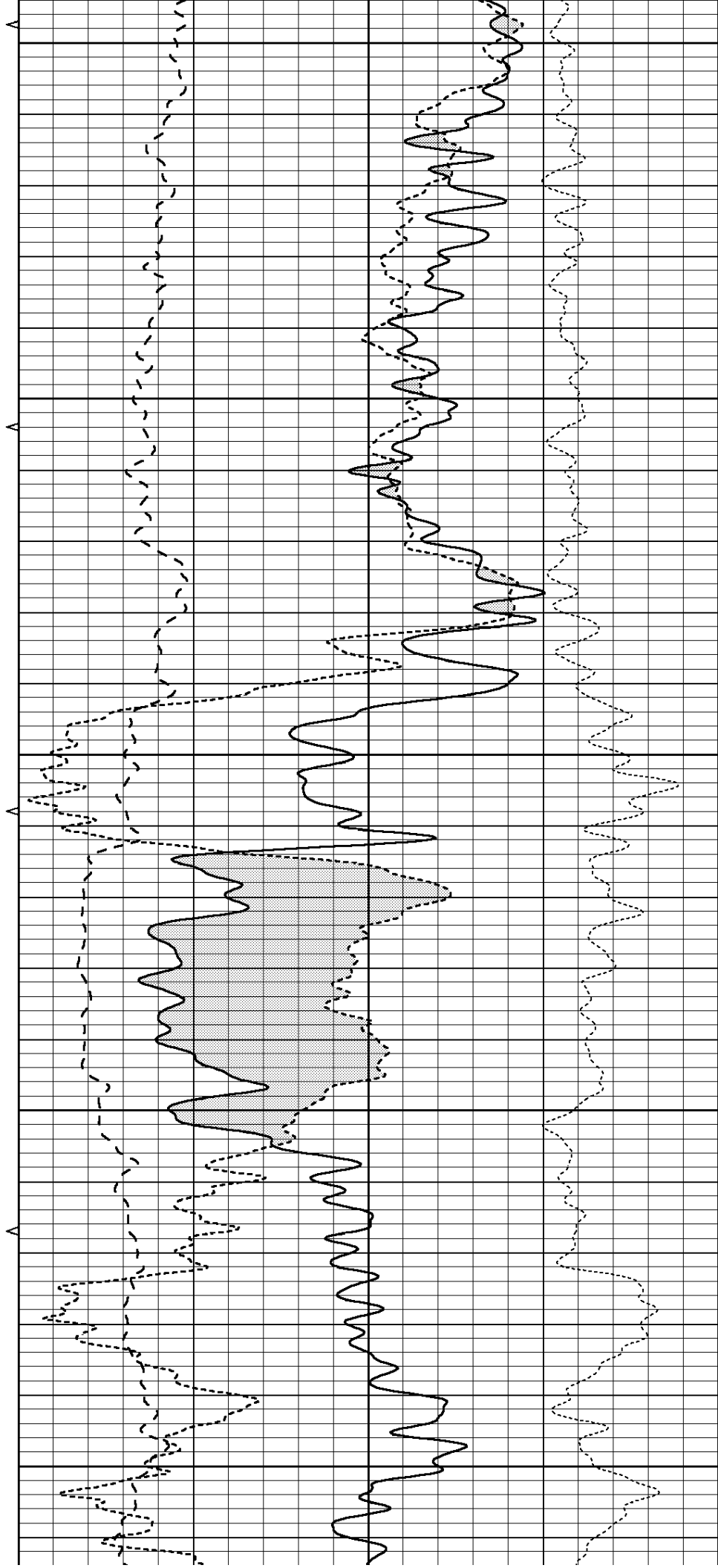
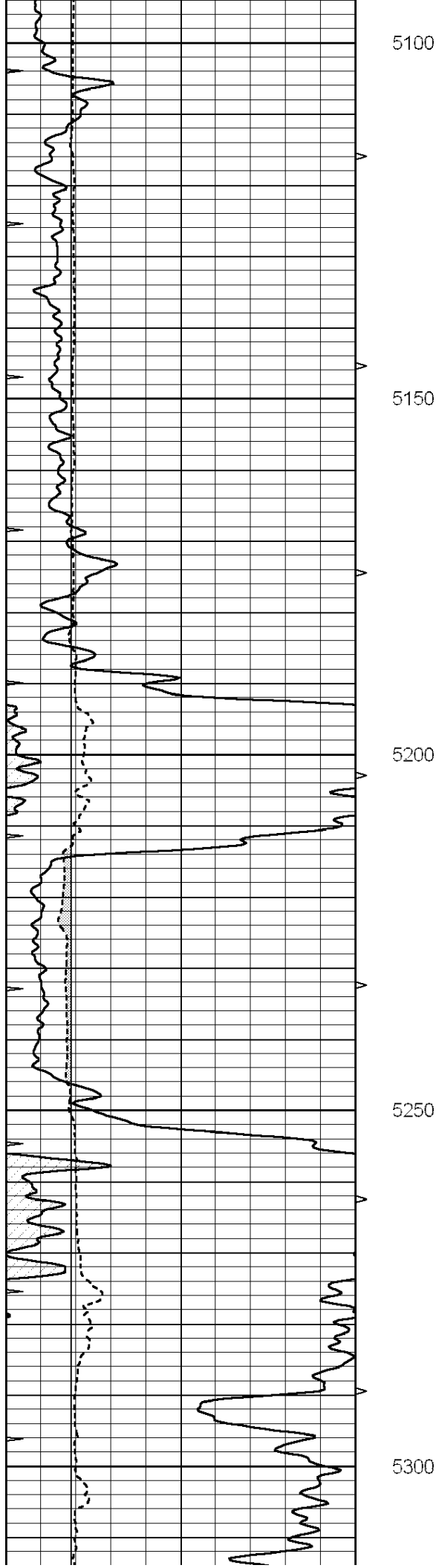
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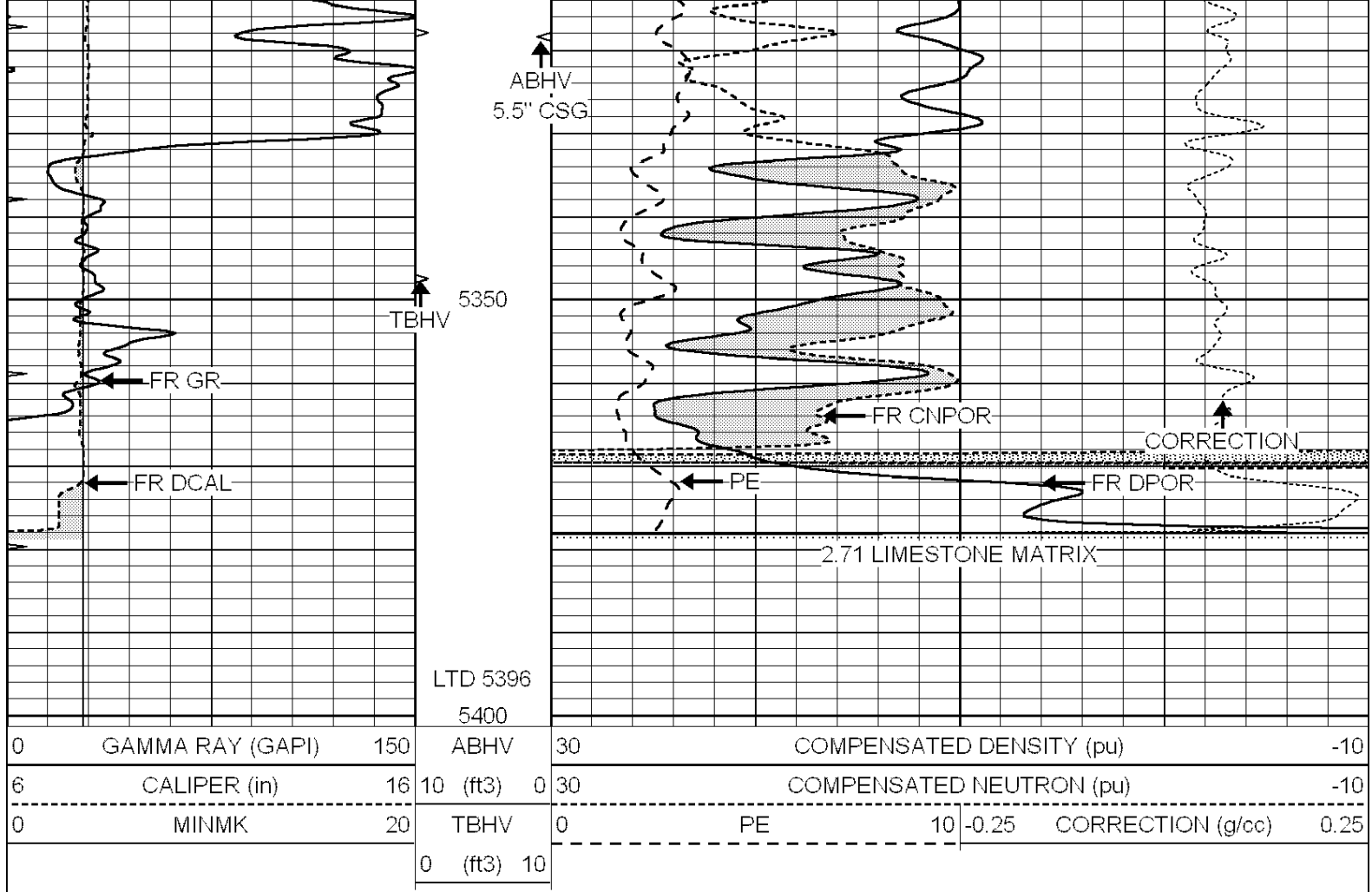
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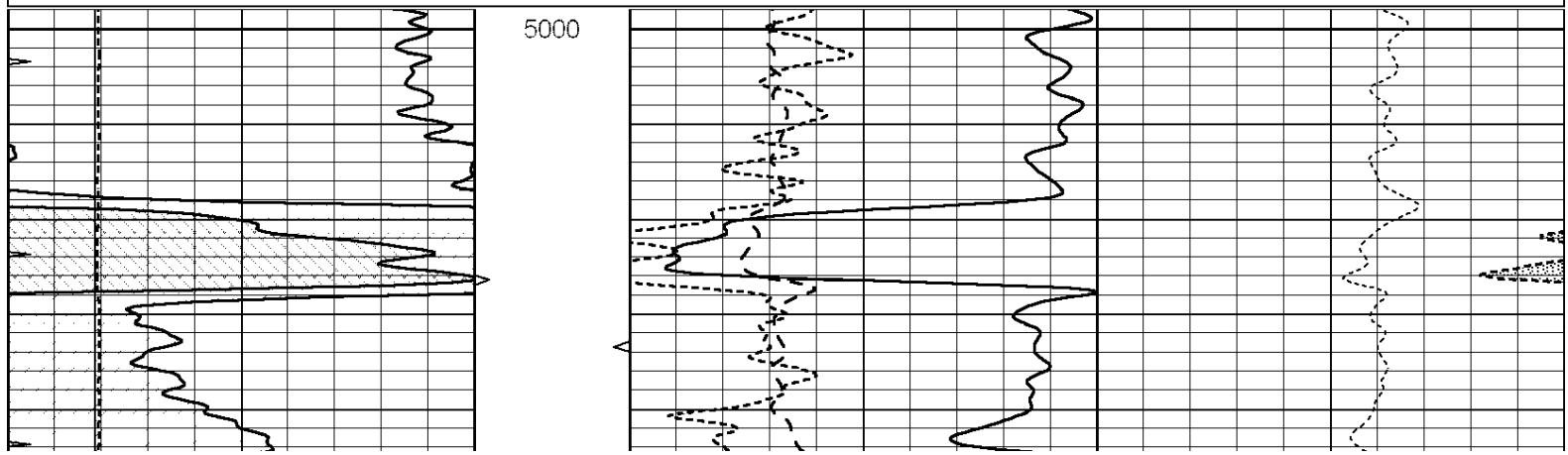


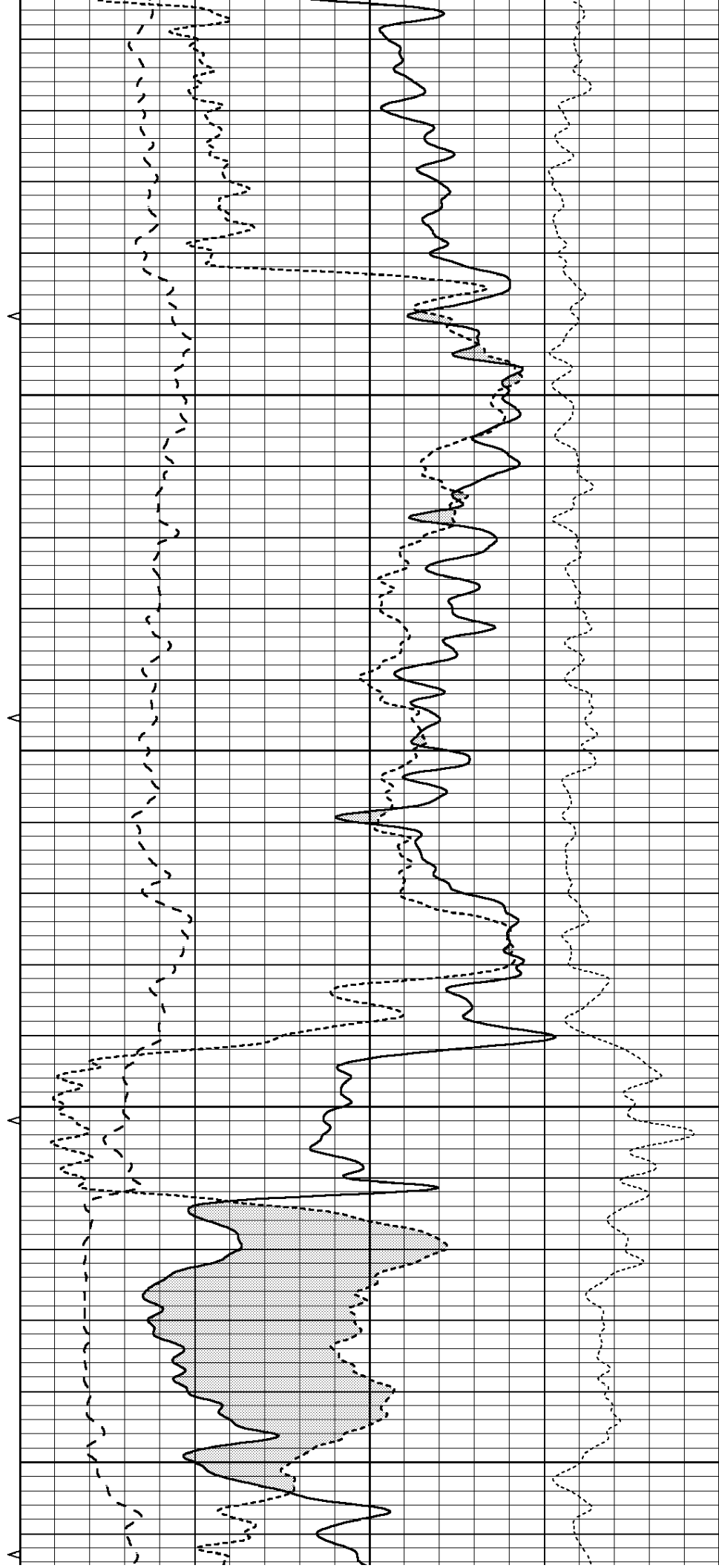
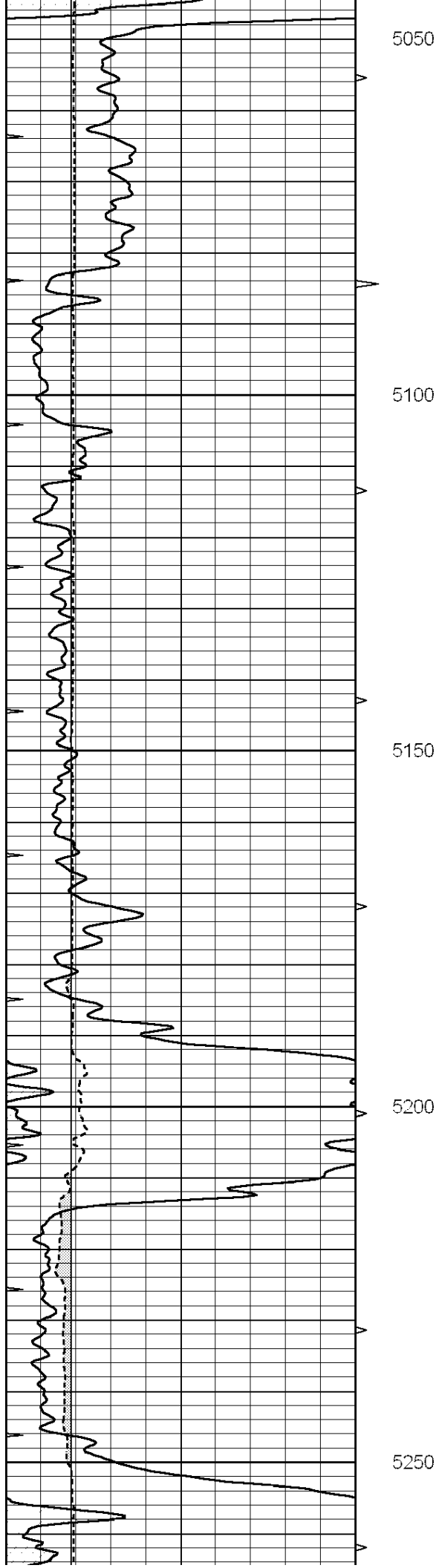
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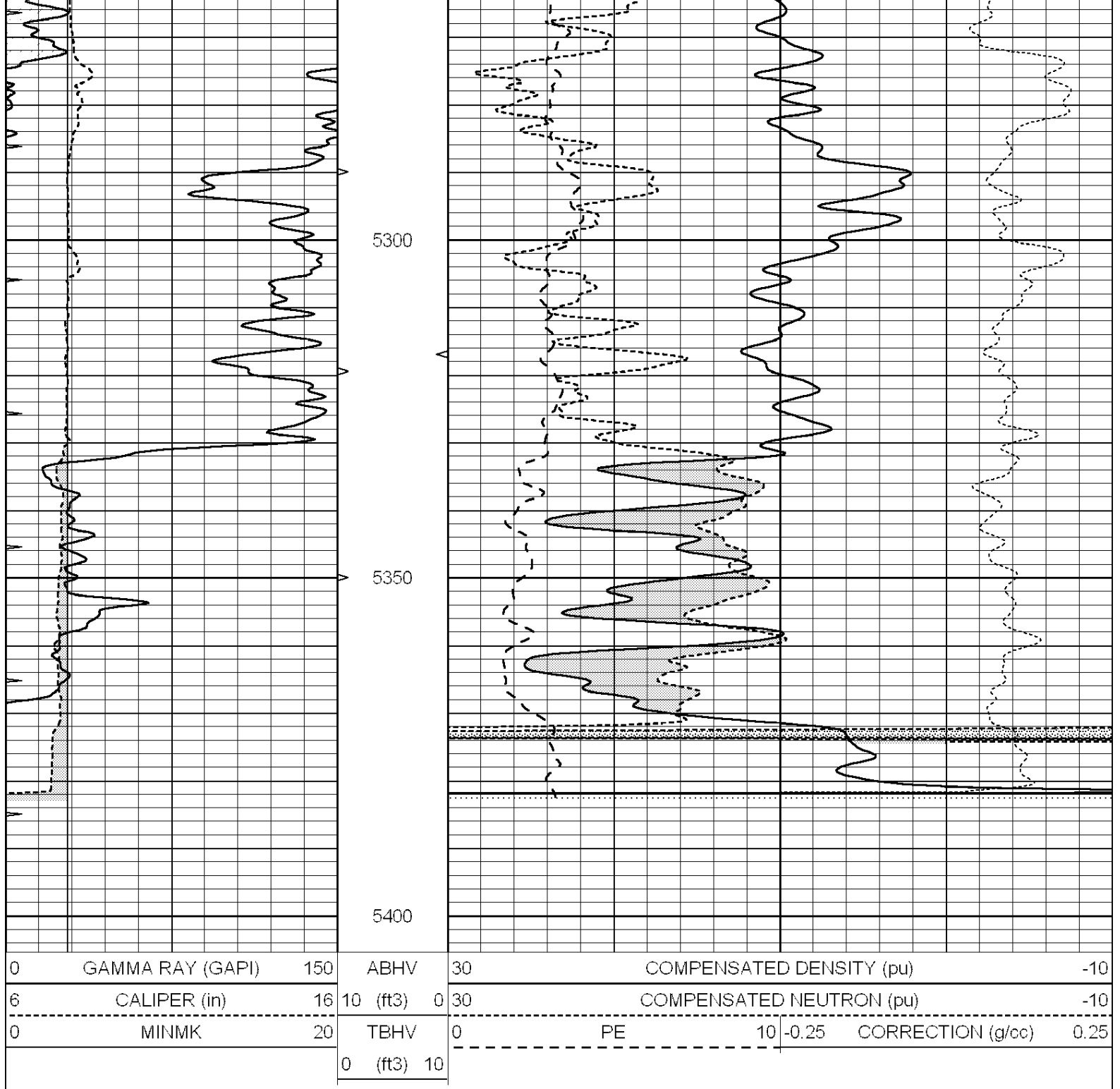
REPEAT SECTION

Database File: 006582pe.db
 Dataset Pathname: pass2.1
 Presentation Format: ldt_neu
 Dataset Creation: Fri Jul 01 08:49:14 2011 by Calc Open-Cased 110302
 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					







Calibration Report

Database File: 006582pe.db
 Dataset Pathname: pass2.1
 Dataset Creation: Fri Jul 01 08:49:14 2011 by Calc Open-Cased 110302

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
 Surface Cal Performed: Wed Jul 30 06:14:24 2008
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008
 After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Readings

References

Results

Loop: Air Loop Air Loop m b

Deep	-0.014	0.629	V	0.000	400.000	mmho/m	621.923	8.759
Medium	0.039	0.728	V	0.000	464.000	mmho/m	673.322	-26.058
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		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report Serial: 002 Model: PRB Performed Mon Oct 29 15:40:49 2007								
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Litho Density Calibration								
	Background		Magnesium		Aluminum		Sandstone	
Window 1	1056.3		9118.0		2809.7		10378.4	
Window 2	969.9		7671.9		2431.6		8565.8	
Window 3	683.8		2939.8		1161.0		3161.8	
Window 4	231.4		231.6		226.7		230.8	
Long Space	0.0		6702.0		1461.7		7595.9	
Short Space	1.2		1433.6		959.4		1568.6	
Rho			1.7100		2.5900		1.3800	
Pe					2.5700		1.5500	
Rib Angle	: 45.2		Rib Slope	: 1.008		Density/Spine Ratio		: 0.559
Spine Angle	: 75.2		Spine Slope	: 3.791		Spine Intercept		: -18.7

Caliper								
	Readings		Reference					
Low Ref	2.8		8.0					
High Ref	5.0		14.0					
	Gain: 2.7		Offset: -0.9					

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:	Fri Feb 18 03:07:29 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8971	GAPI/cps