



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY/NEUTRON
LOG

Company		AMERICAN ENERGIES CORPORATION	
Well		KAUFMAN #4	
Field		GEORGIA SPUR NE	
County		KINGMAN	
State		KANSAS	
Company		AMERICAN ENERGIES CORPORATION	
Well		KAUFMAN #4	
Field		GEORGIA SPUR NE	
County		KINGMAN	
State		KANSAS	
Location:		API # : 15-095-22236-0000	
990' FNL & 1980' FEL		DIL	
S/2 - NW - NE			
SEC 5 TWP 28S RGE 6W			
Permanent Datum	GROUND LEVEL	Elevation	1549
Log Measured From	KELLY BUSHING 10' A.G.L.	K.B. 1559	
Drilling Measured From	KELLY BUSHING	D.F. 1557	
		G.L. 1549	
Date	12/3/11		
Run Number	ONE		
Depth Driller	3972		
Depth Logger	3977		
Bottom Logged Interval	3953		
Top Log Interval	1800		
Casing Driller	8 5/8" @ 267		
Casing Logger	NA		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3000 PPM	
Density / Viscosity	9.3/42		
pH / Fluid Loss	10.0/10.4		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.98 @ 78F		
Rmf @ Meas. Temp	.73 @ 78F		
Rmc @ Meas. Temp	1.17 @ 78F		
Source of Rmf / Rmc	MEASURED		
Rin @ BHT	.66 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	115F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	DAVE GOLDAK		

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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
KINGMAN, KS. - E. TO RD. 70 EXIT - 1 1/2 S. TO T - 1/2 W. - S. INTO

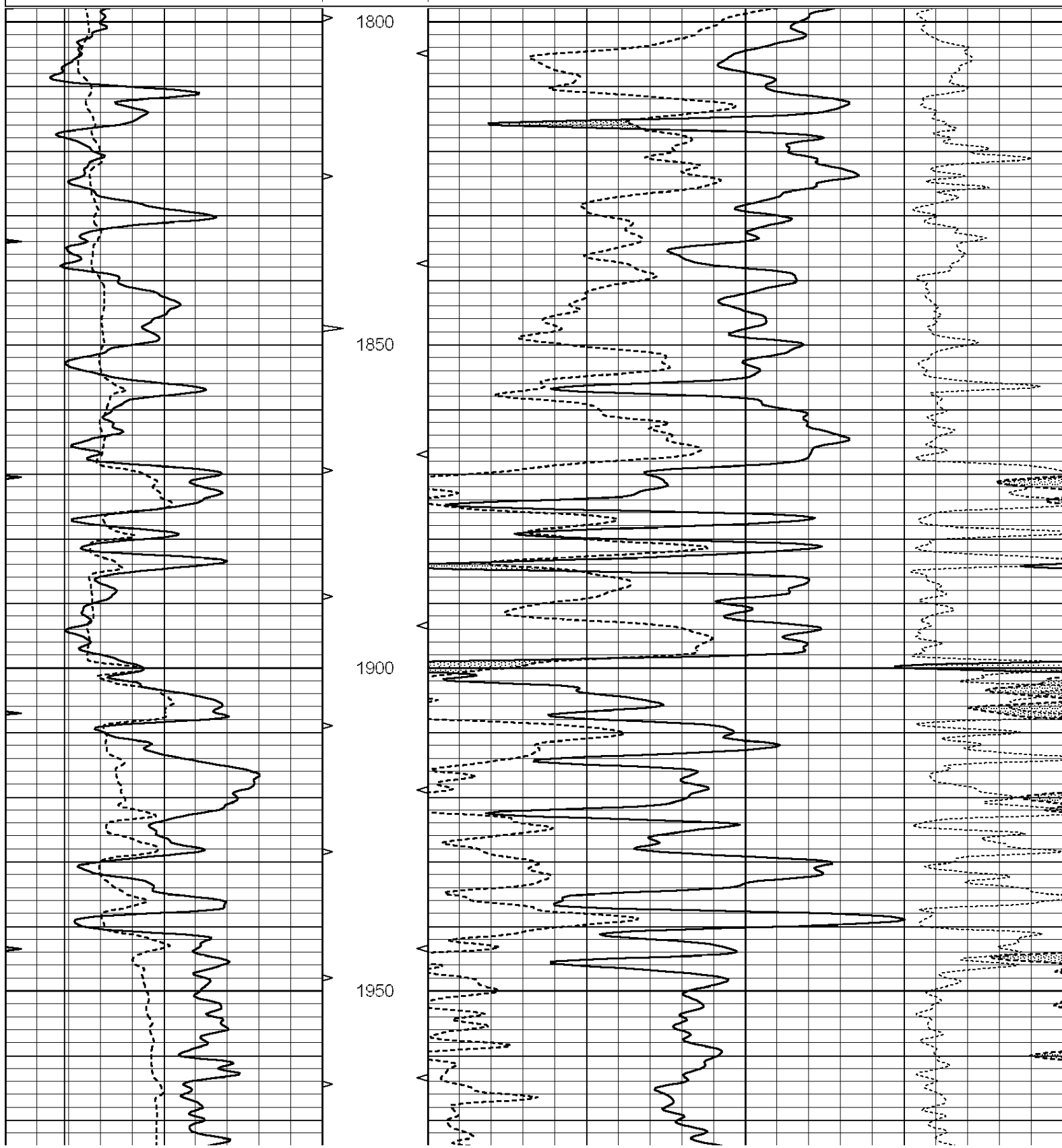


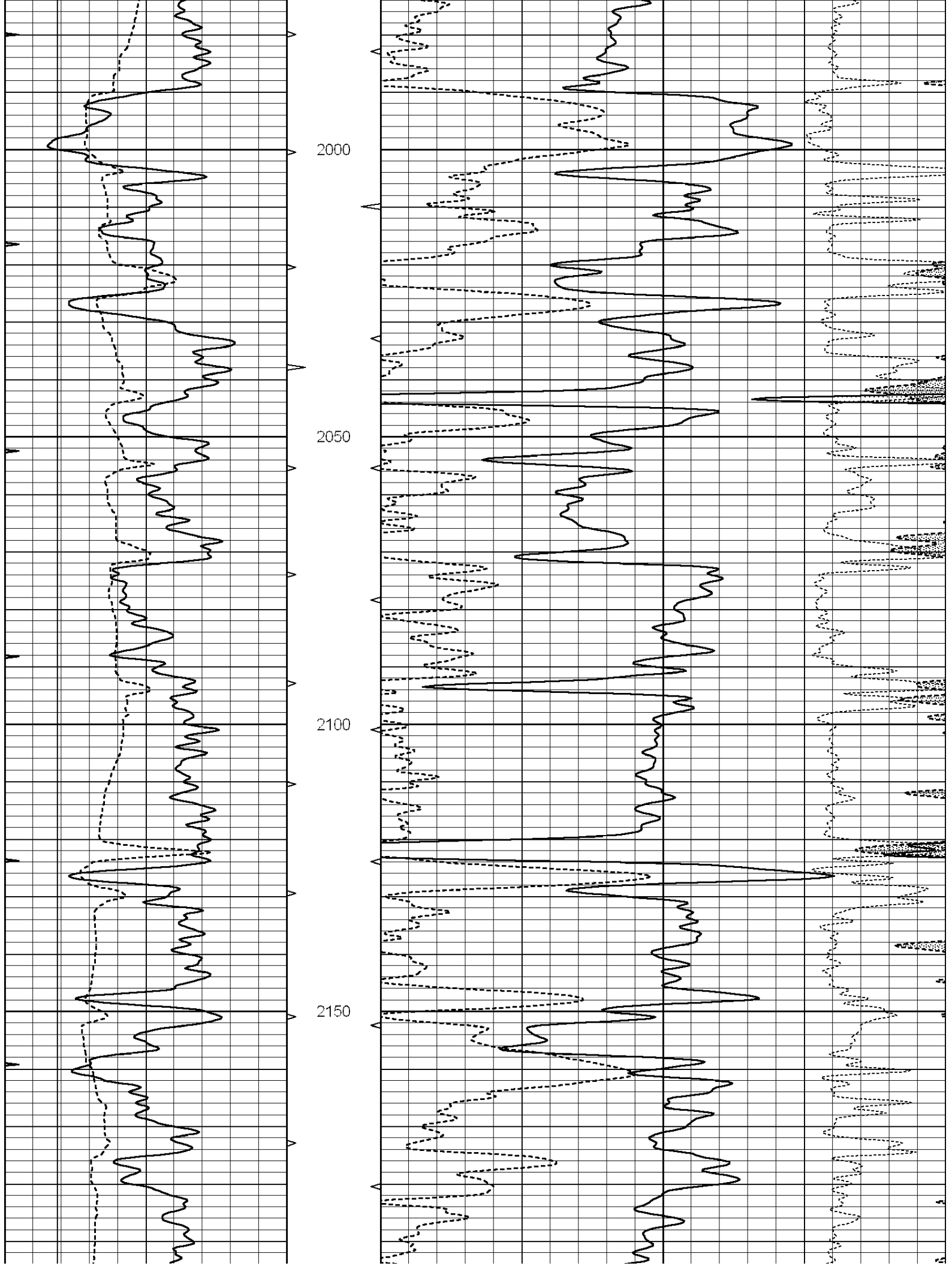
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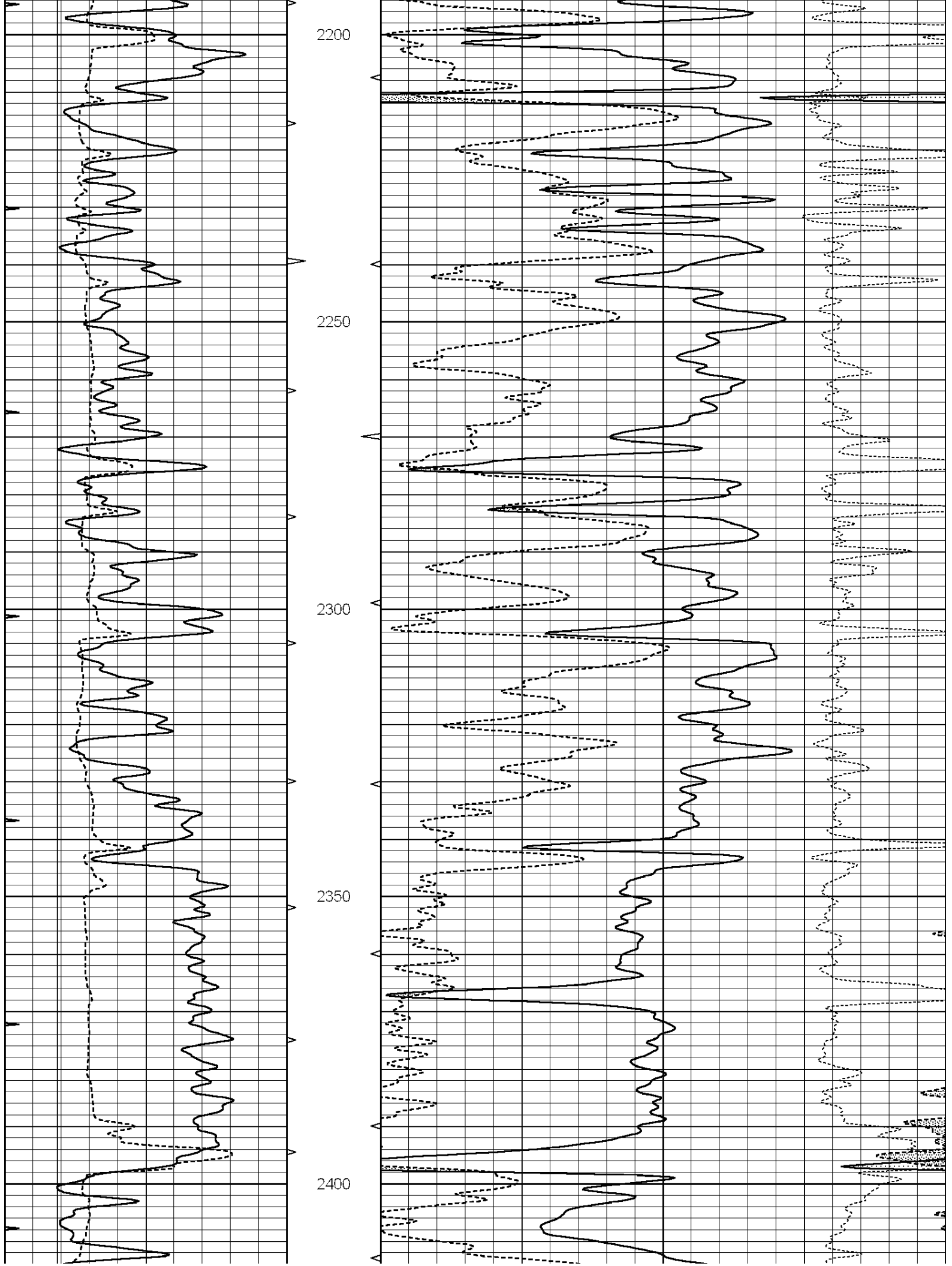
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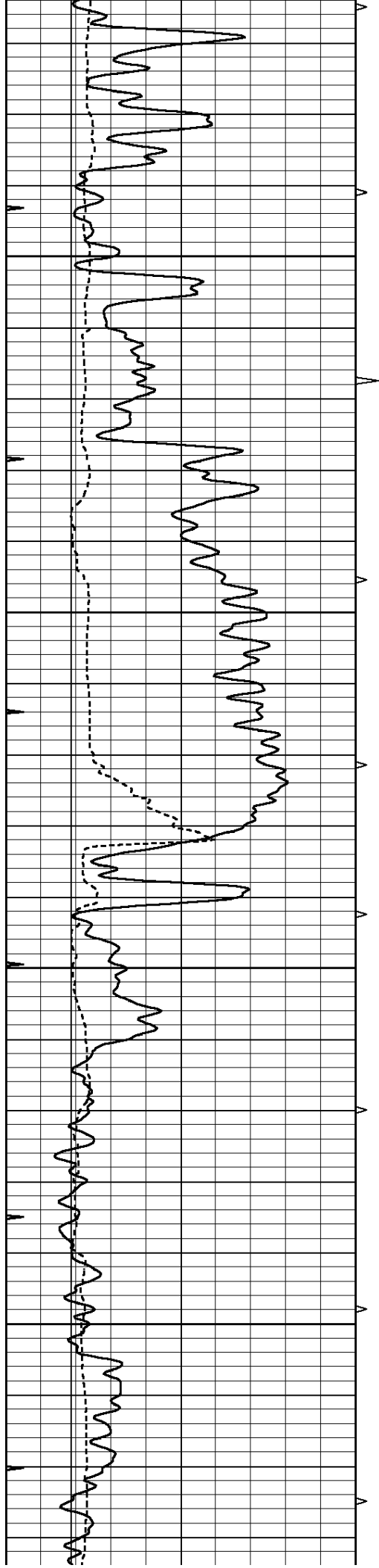
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Dataset Pathname: pass3.2
Presentation Format: _den_neu
Dataset Creation: Sat Dec 03 12:52:05 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		







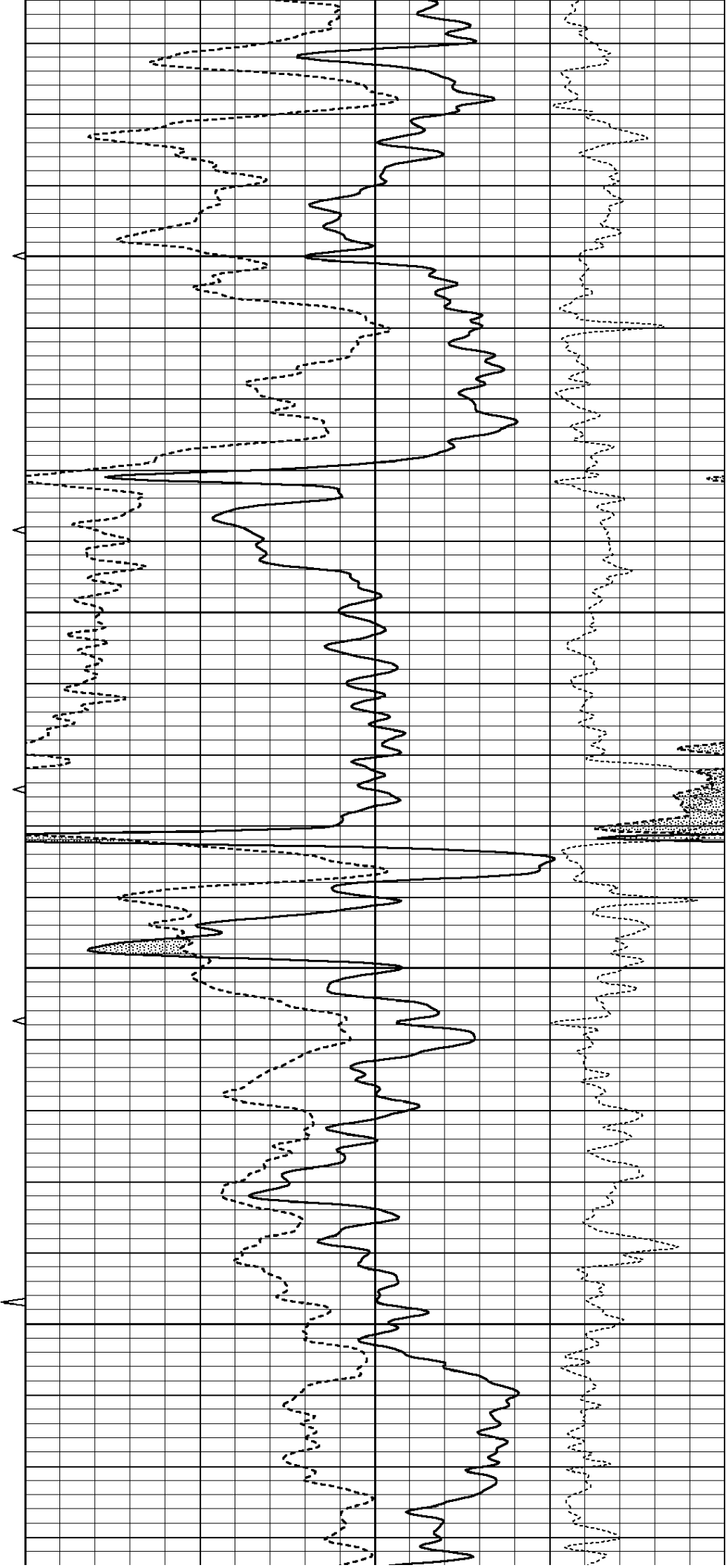


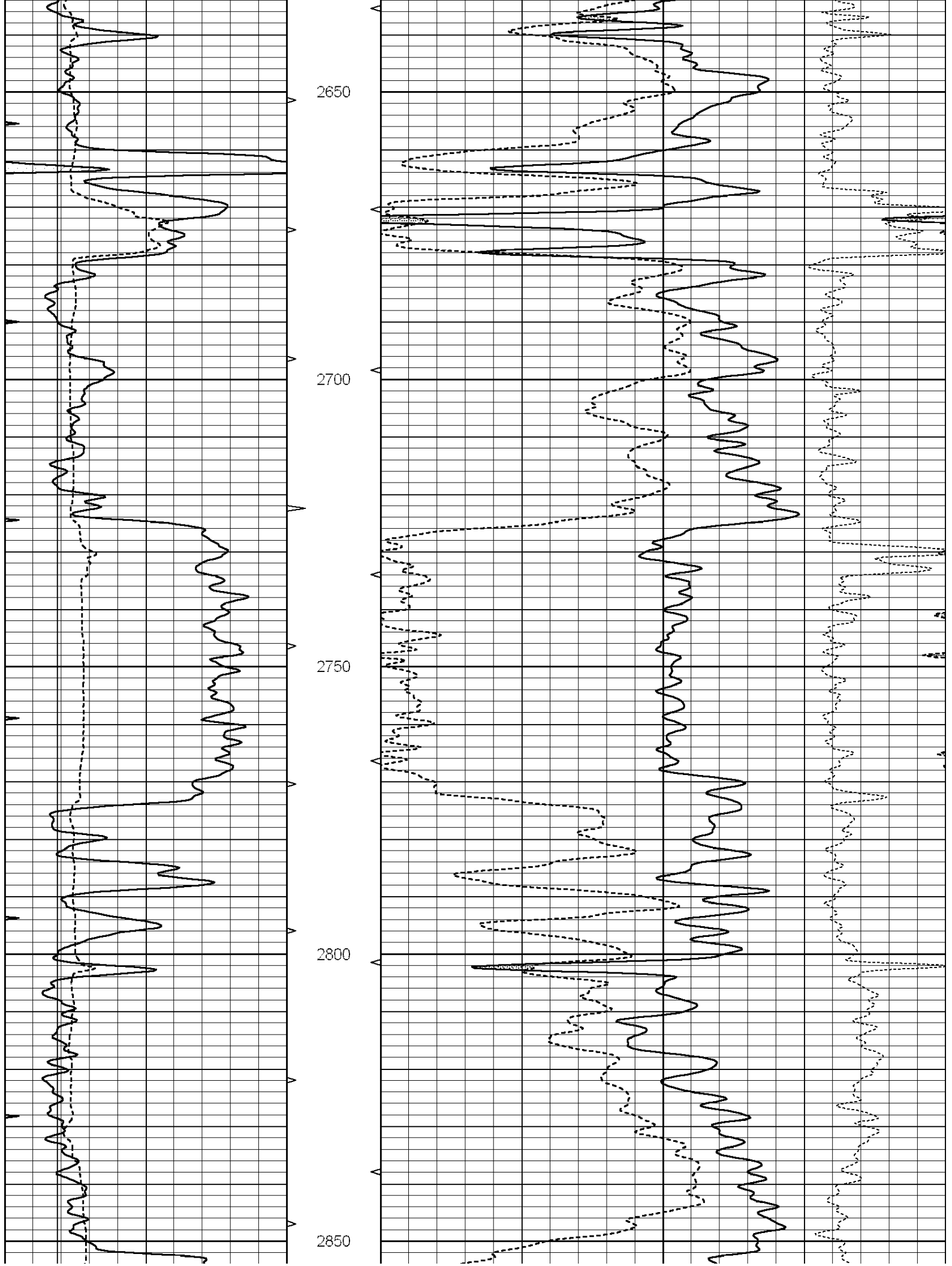
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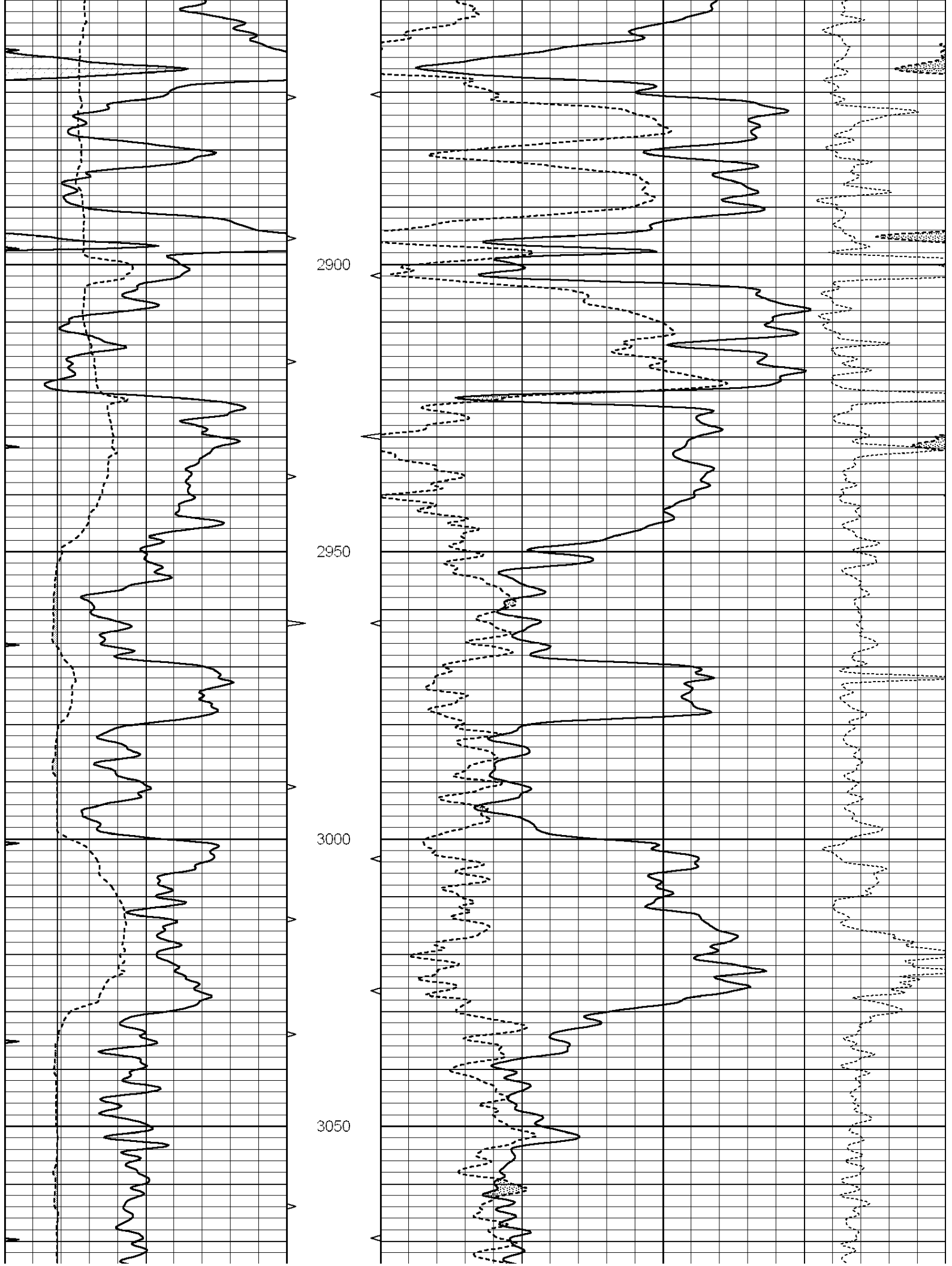
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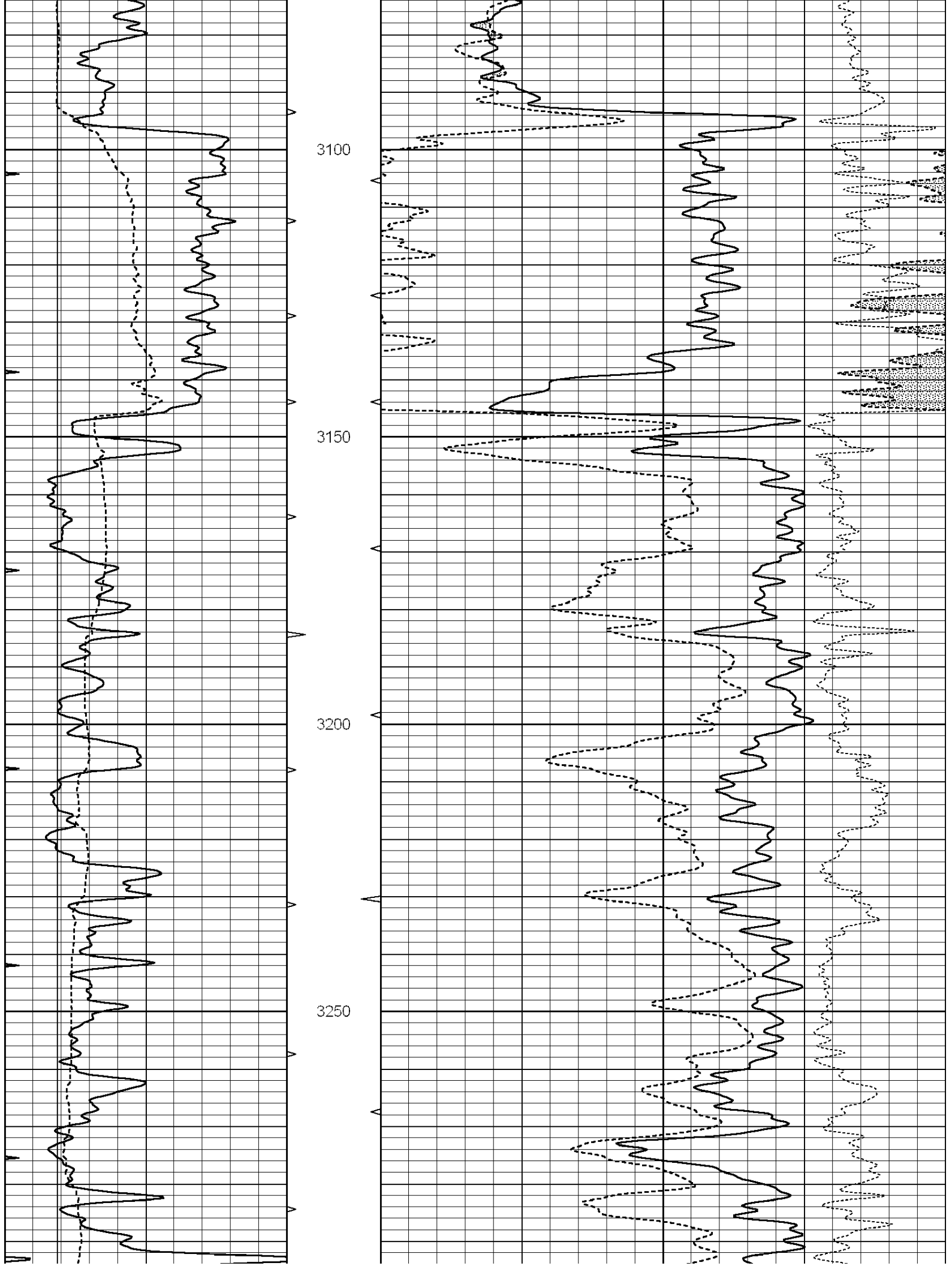
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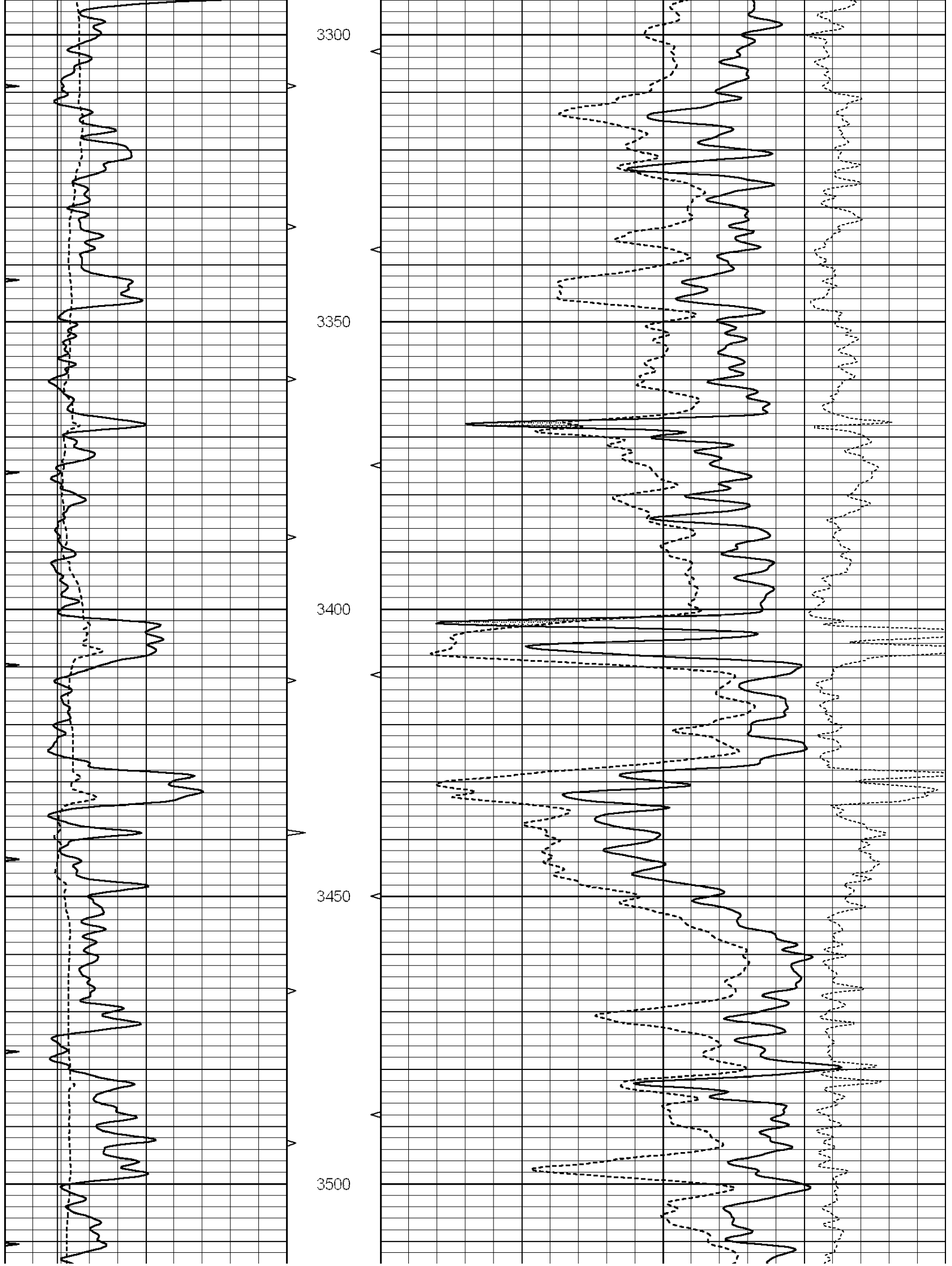
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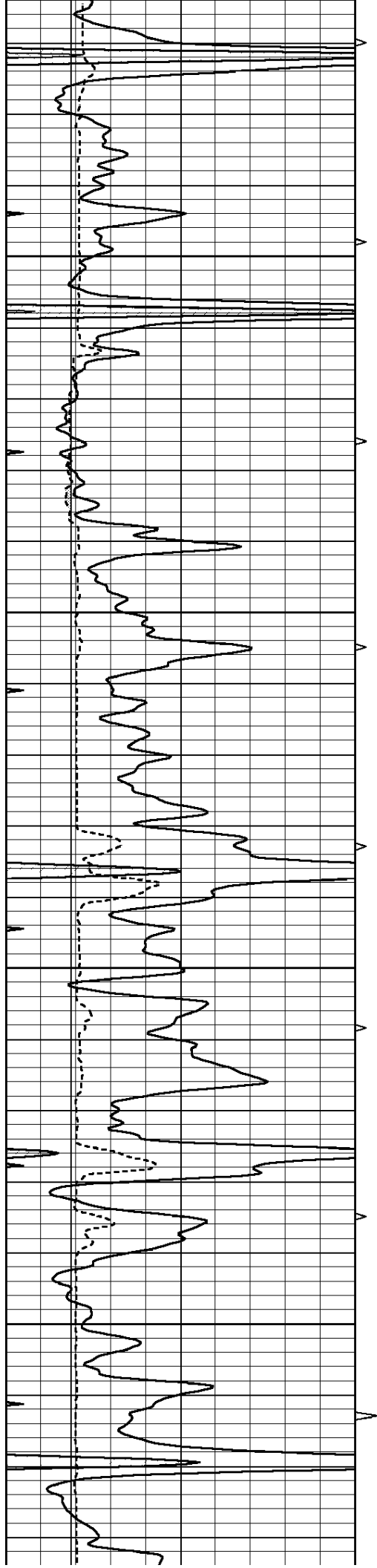










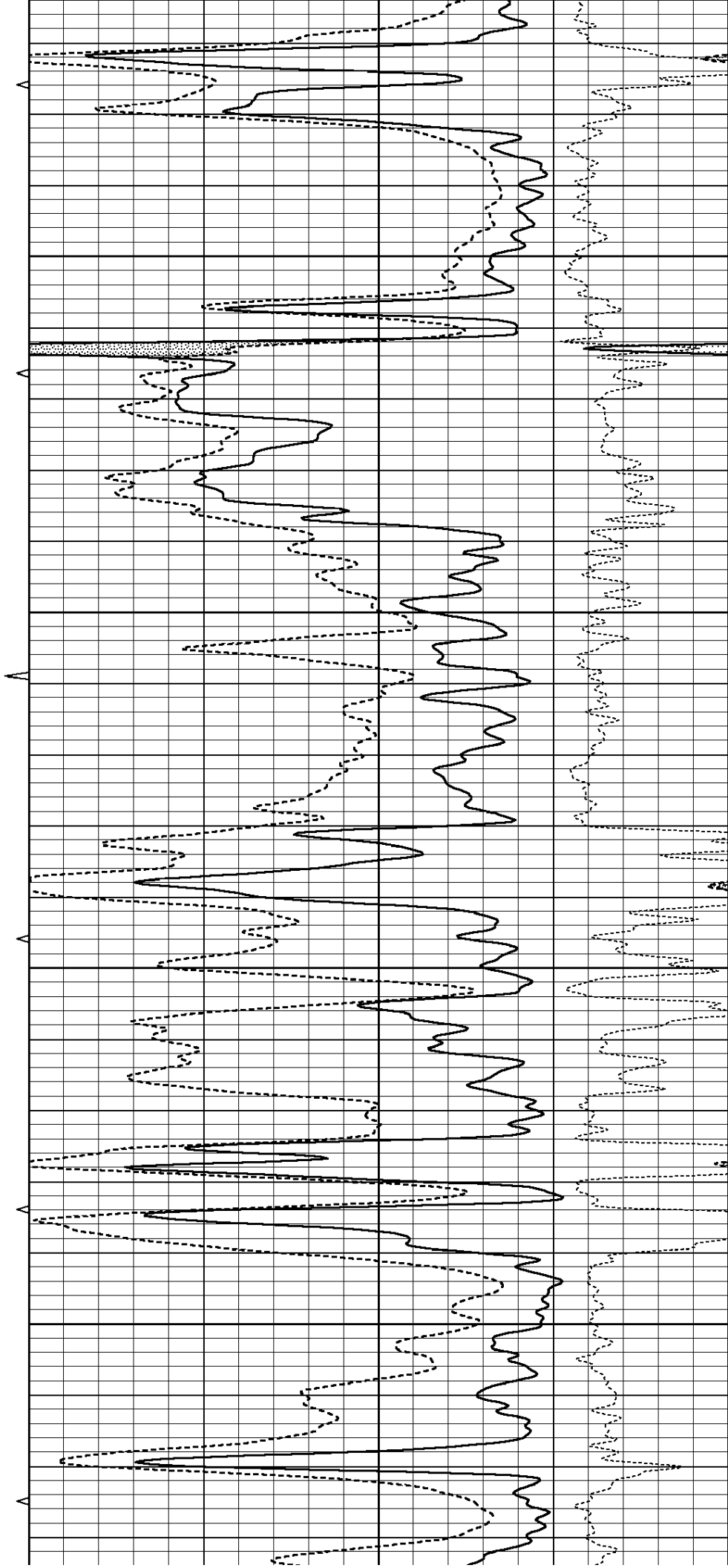


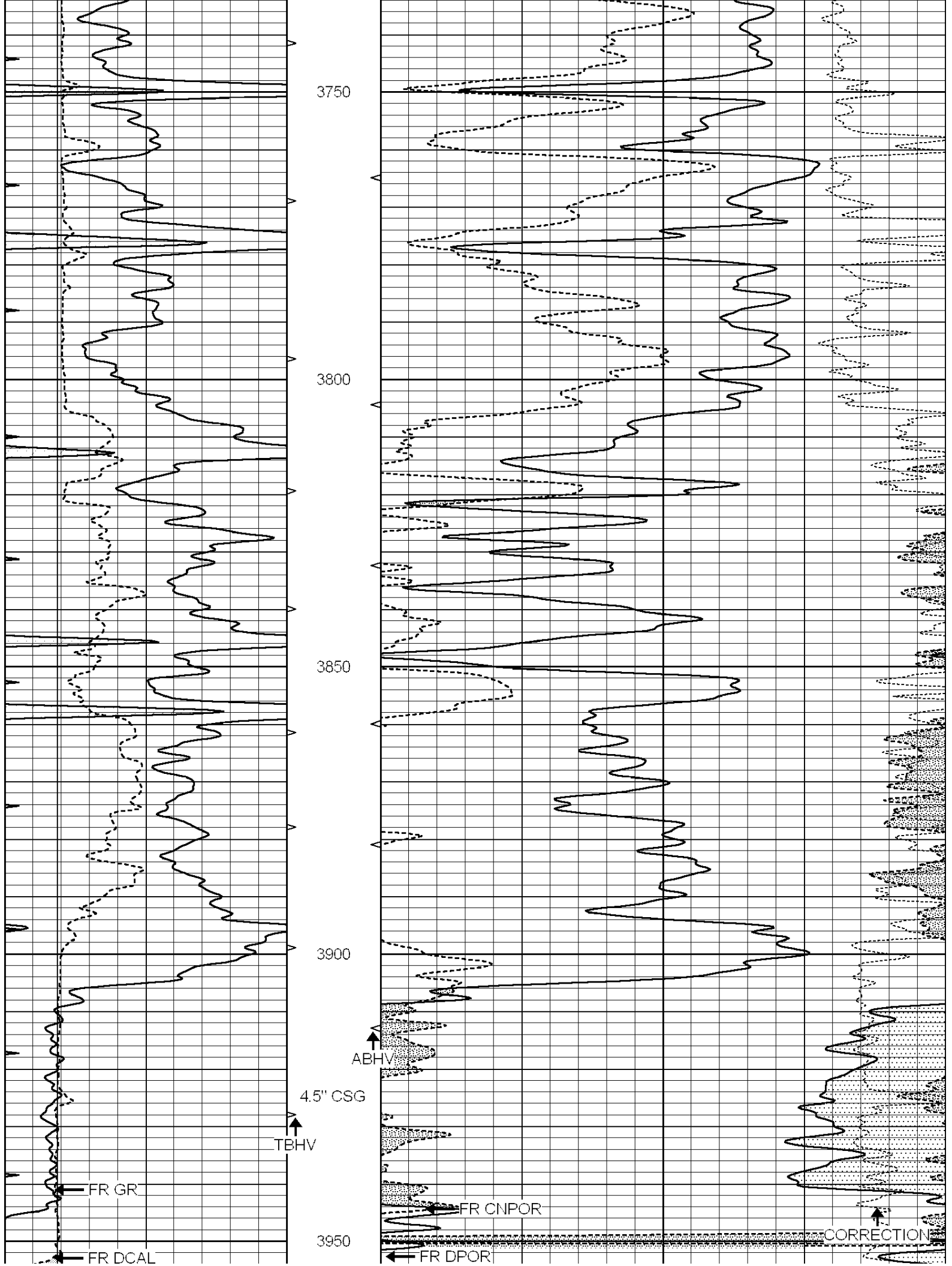
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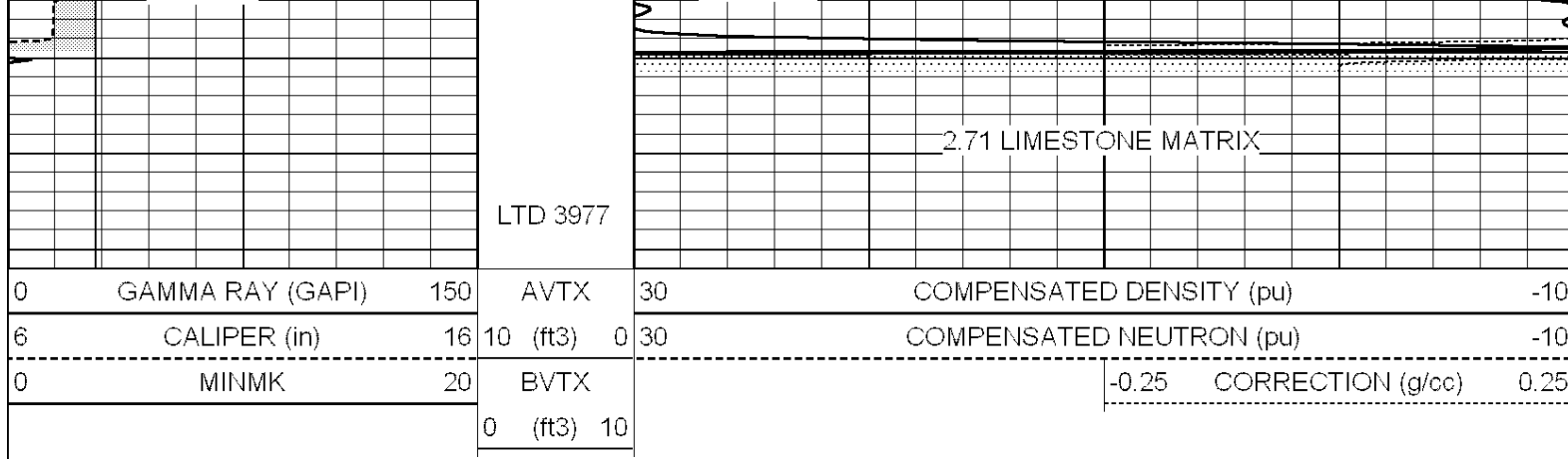
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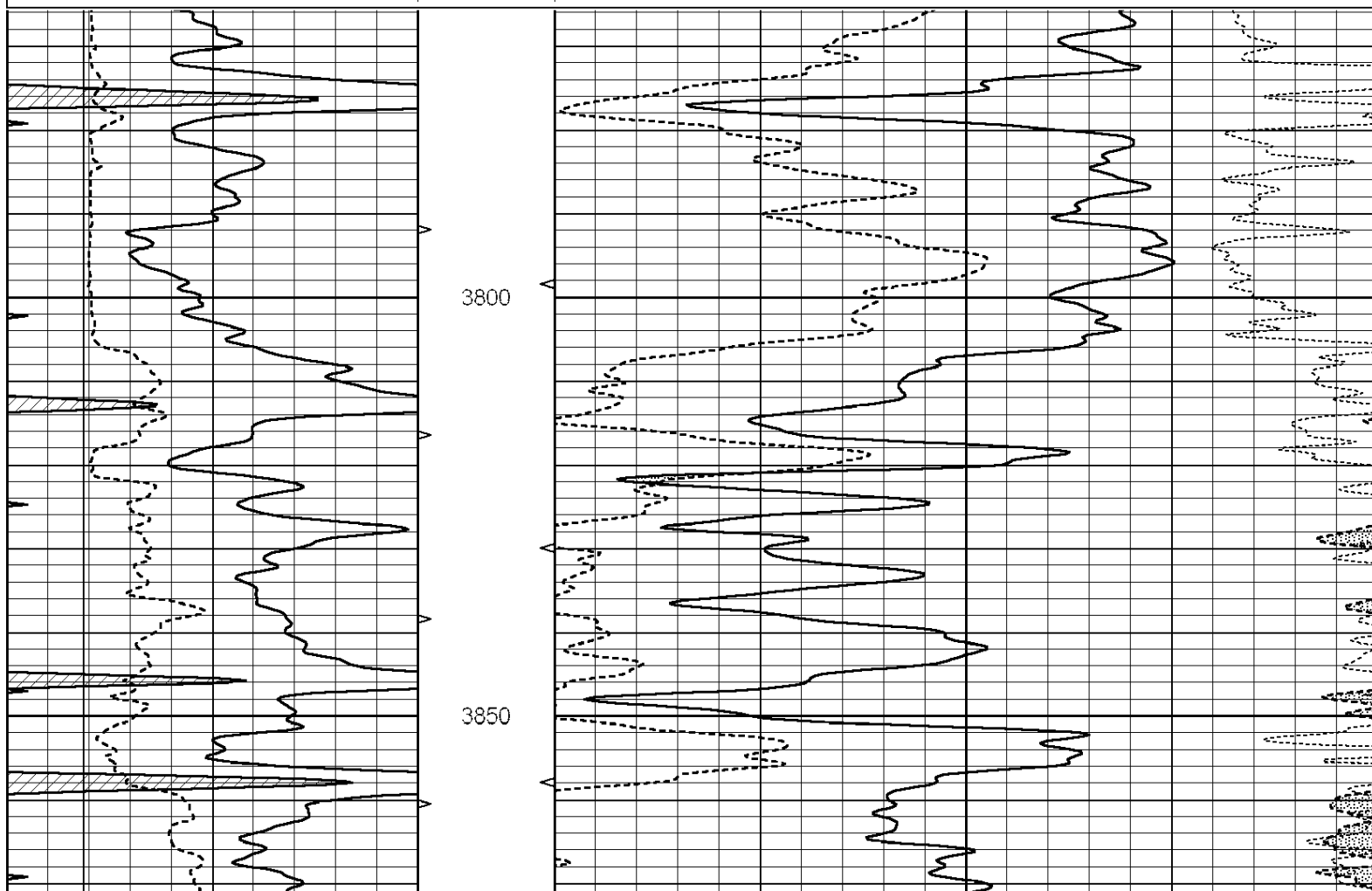


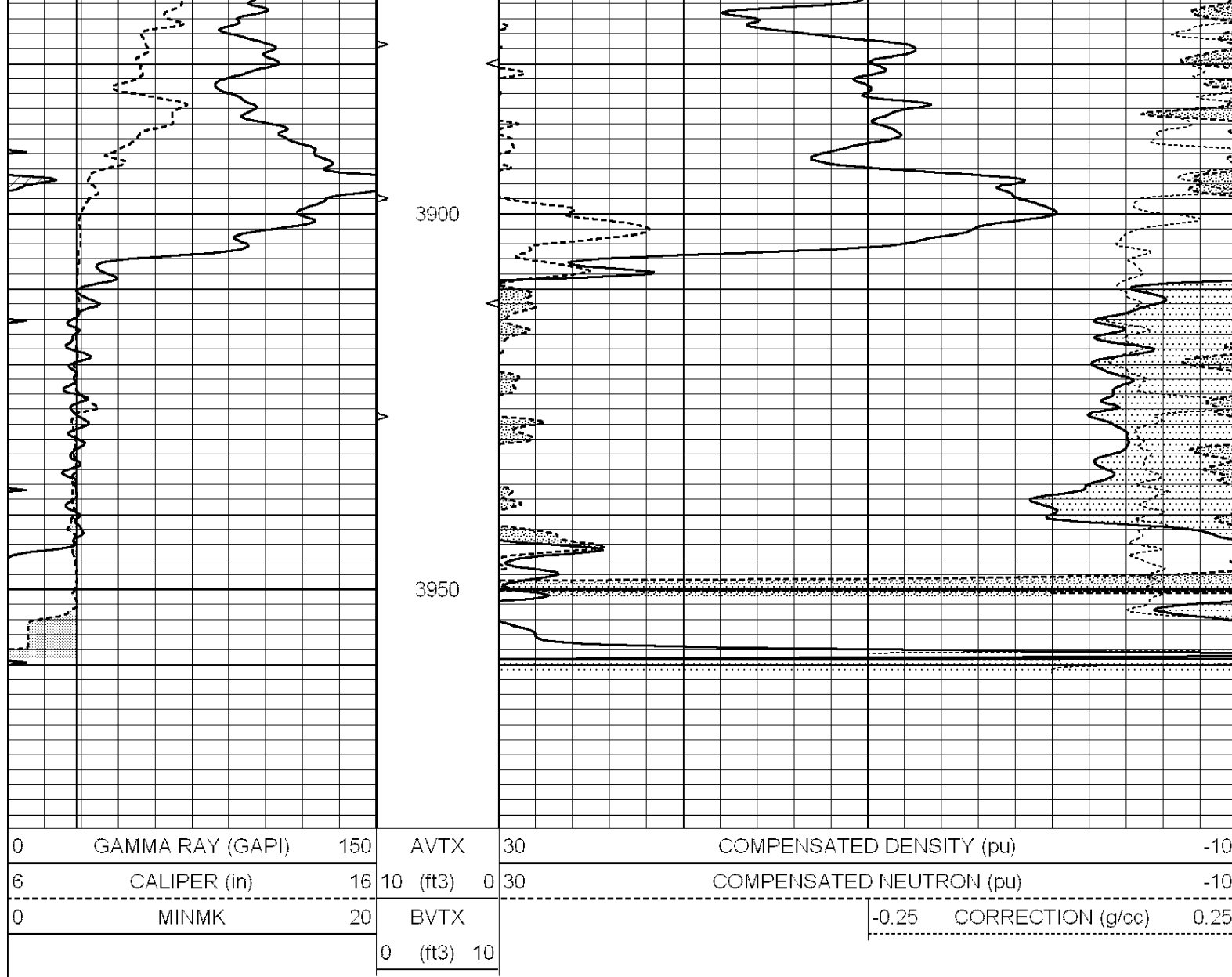
SUPERIOR
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REPEAT SECTION

Database File: 008095ddn.db
 Dataset Pathname: pass2.1
 Presentation Format: _den_neu
 Dataset Creation: Sat Dec 03 12:06:32 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		





Calibration Report

Database File: 008095ddn.db
Dataset Pathname: pass2.1
Dataset Creation: Sat Dec 03 12:06:32 2011 by Calc Open-Cased 090629

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		

Compensated Density Calibration Report

Serial-Model:	GEAR4-GEARHART
Source / Verifier:	143 / 143
Master Calibration Performed:	Sat Jul 16 17:35:04 2011

Master Calibration						
	Density			Far Detector		
Magnesium	1.710	g/cc		1015.91	497.51	cps
Aluminum	2.580	g/cc		227.67	350.20	cps
Spine Angle = 76.79				Density/Spine Ratio = 0.566		
	Size			Reading		
Small Ring	8.00	in		2.24	V	
Large Ring	14.00	in		4.38	V	

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
Background Reading:	0.0
Calibrator Reading:	175.0
Sensitivity:	0.8371
	GAPI
	cps
	cps
	GAPI/cps