SUPERIOR
Hays,
Kansas

COMPENSATED DENSITY / NEUTRON LOG

Company AMERICAN ENERGIES CORPORATION

Well MURPHY #2-25

Field

County PRATT State KANSAS

Location: API # : 15-151-22388

1320' FSL & 330' FEL

SEC 25 TWP 29S RGE 12W

Other Services

DIL

Elevation

K.B. 1871
D.F.
G.L. 1862

Permanent Datum GROUND LEVEL Elevation 1862
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Company AMERICAN ENERGIES CORPORATION
Well MURPHY #2-25
Field
County PRATT
State KANSAS

Date	6-4-12		
Run Number	ONE		
Depth Driller	4750		
Depth Logger	4749		
Bottom Logged Interval	4725		
Top Log Interval	2400		
Casing Driller	296		
Casing Logger	296		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1 / 49		
pH / Fluid Loss	11.5 / 9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.95 @ 90F		
Rmf @ Meas. Temp	0.71 @ 90F		
Rmc @ Meas. Temp	1.14 @ 90F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.700 @ 122F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	9:00 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	DAVE BARKER		

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Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: SAWYER & #42, 7E TO RD. #90, 3/4S, W INTO.

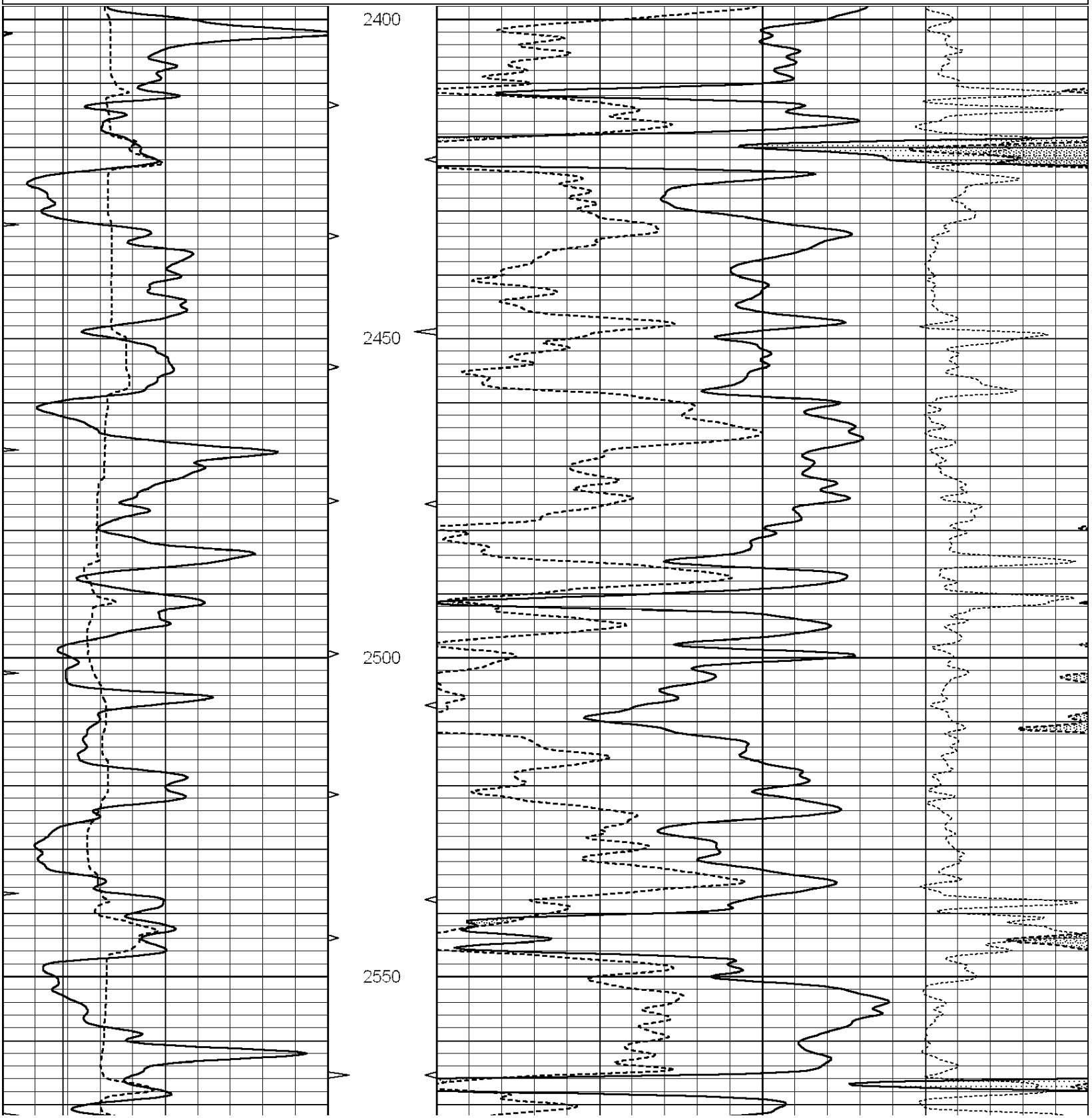
MAIN SECTION

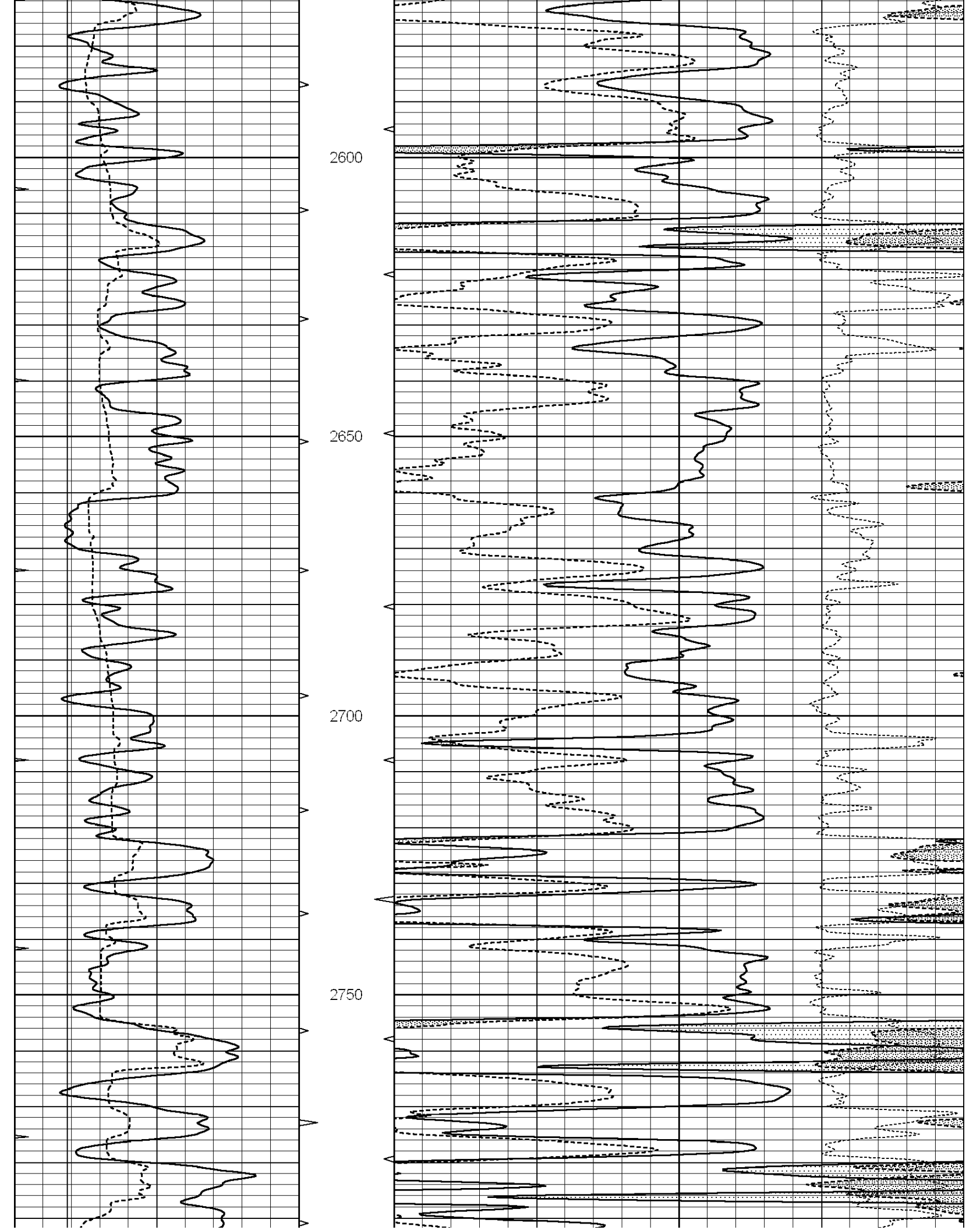
SUPERIOR
Hays,

Kansas

Database File:	008784ddn.db
Dataset Pathname:	pass3.A
Presentation Format:	den_neu
Dataset Creation:	Tue Jun 05 00:03:54 2012
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		-0.25 CORRECTION (g/cc)	0.25
		0 (ft3) 10			

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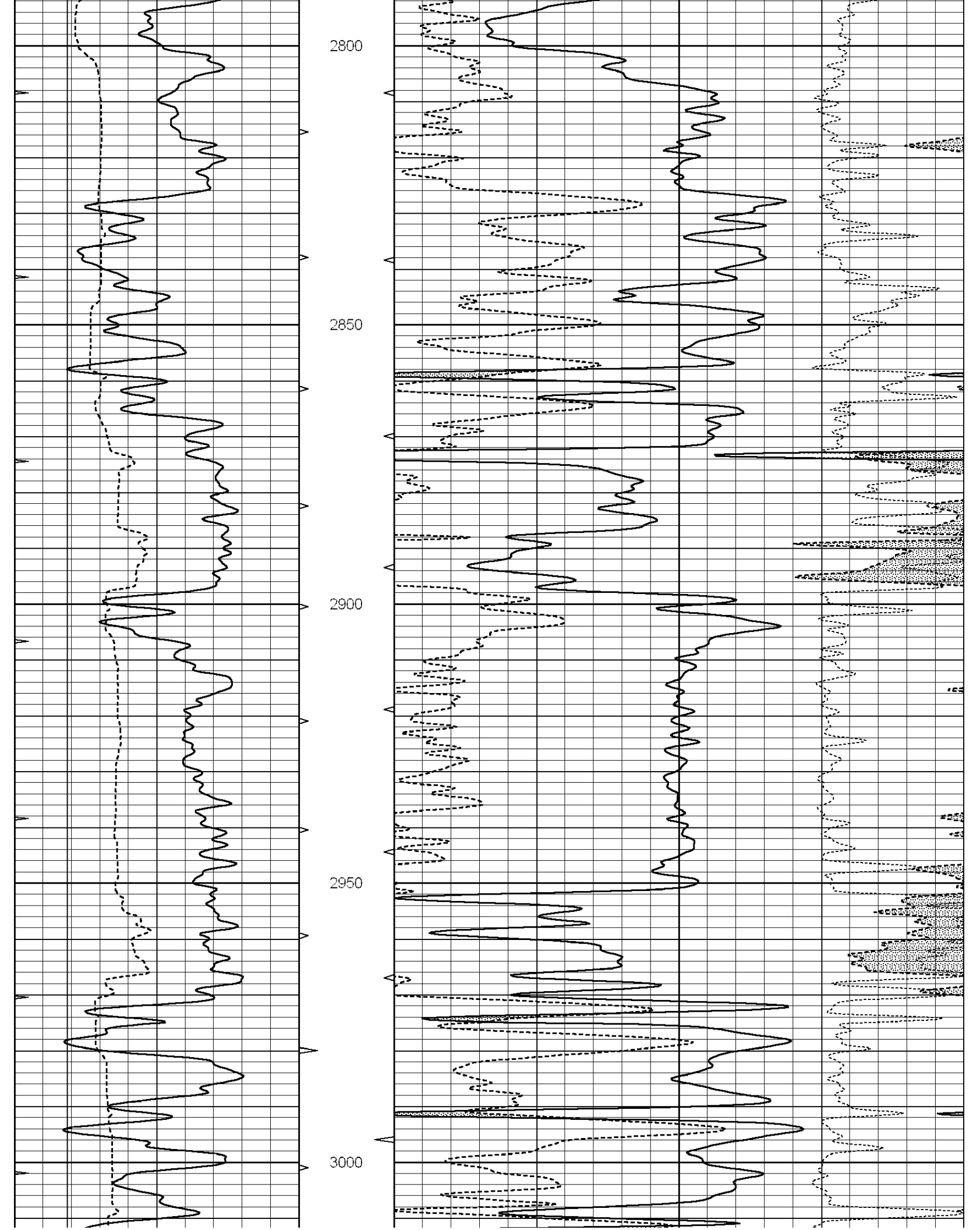
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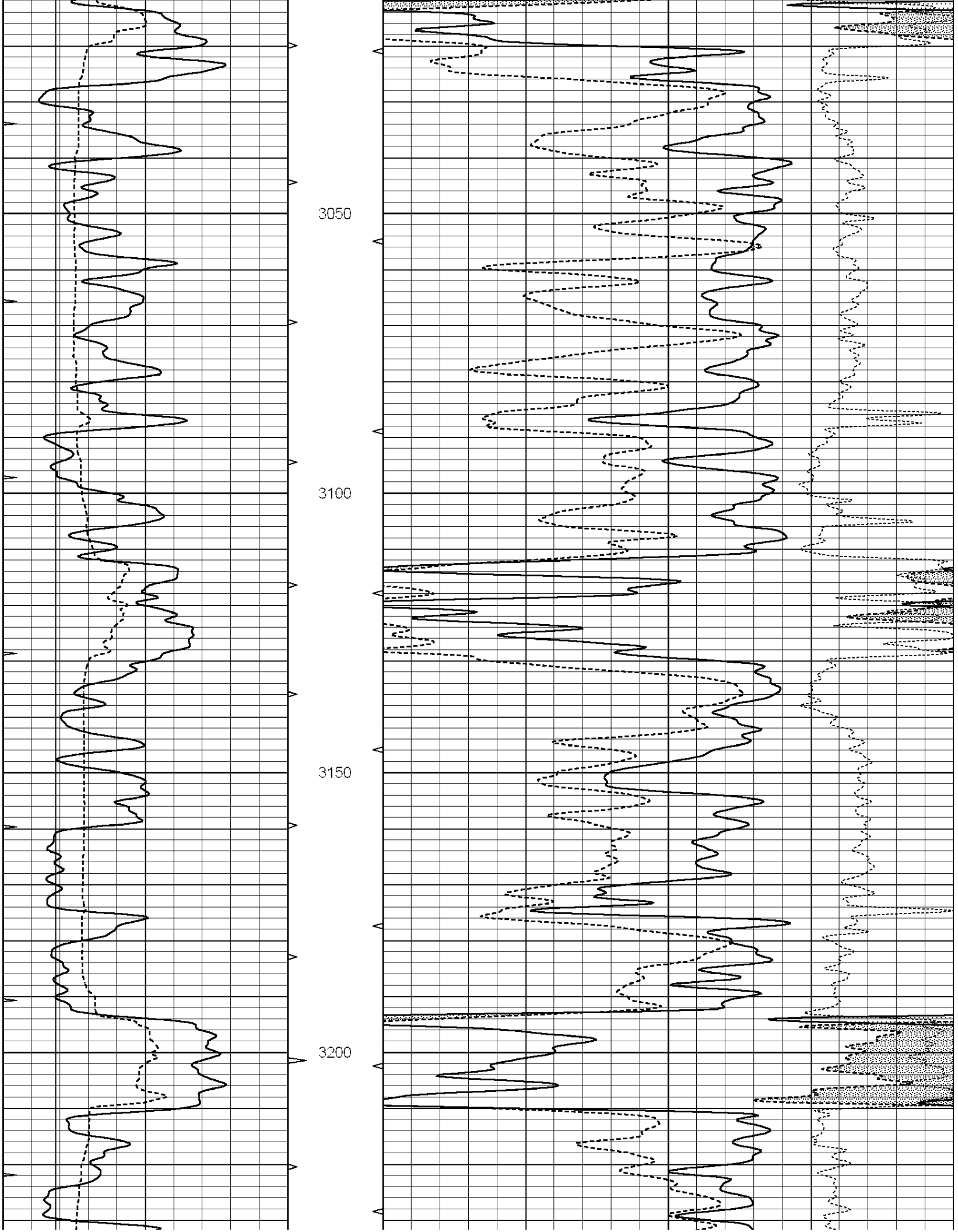
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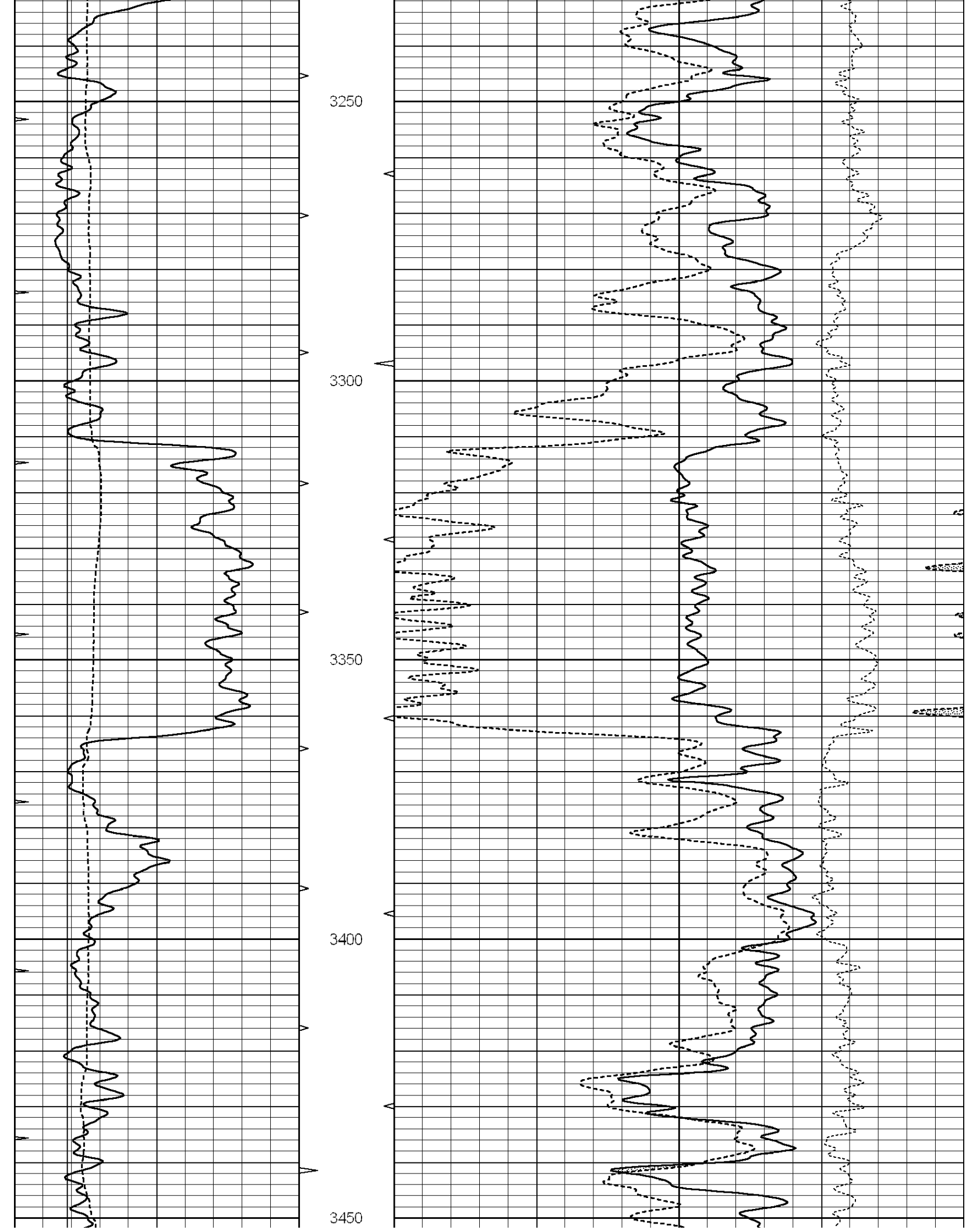
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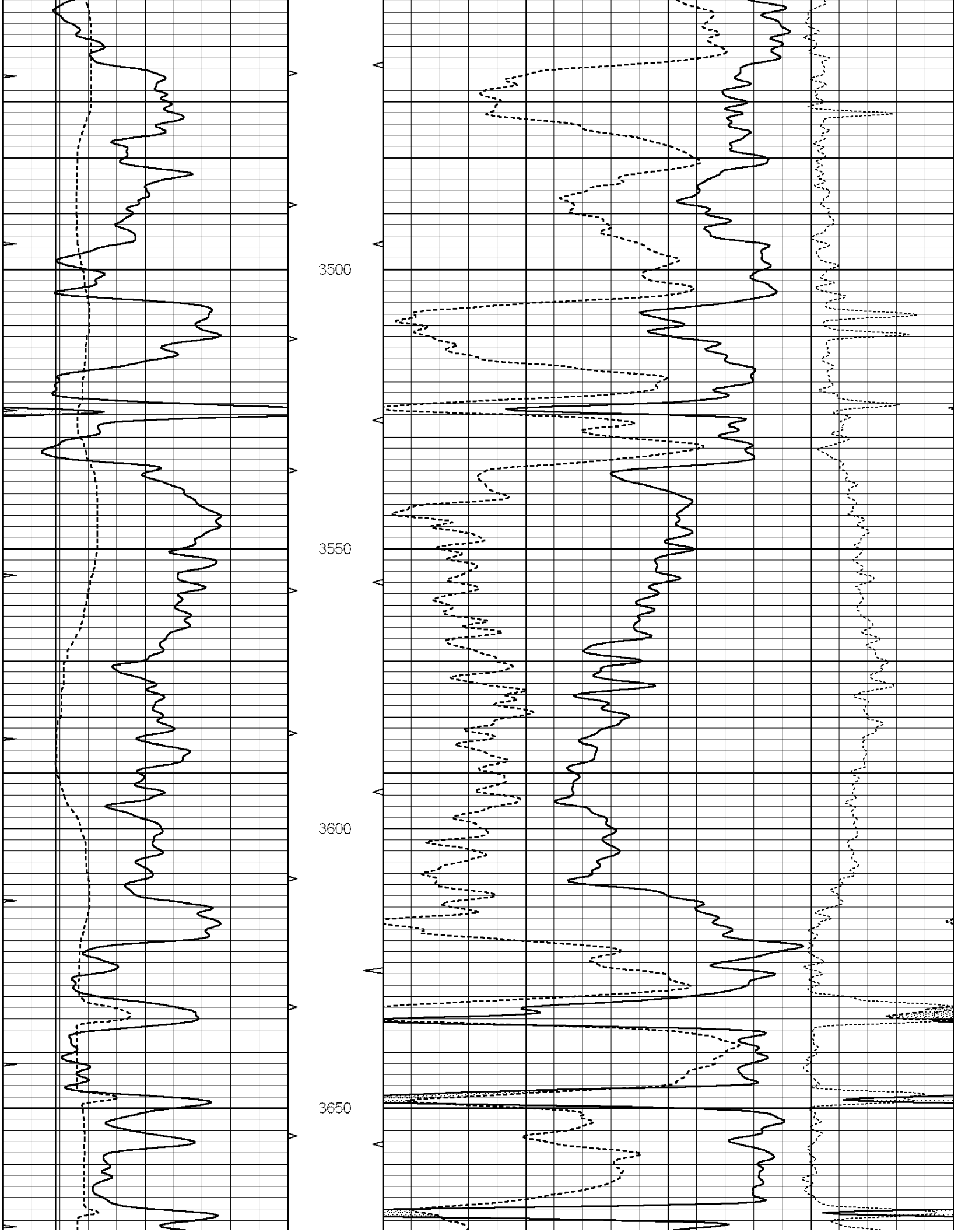
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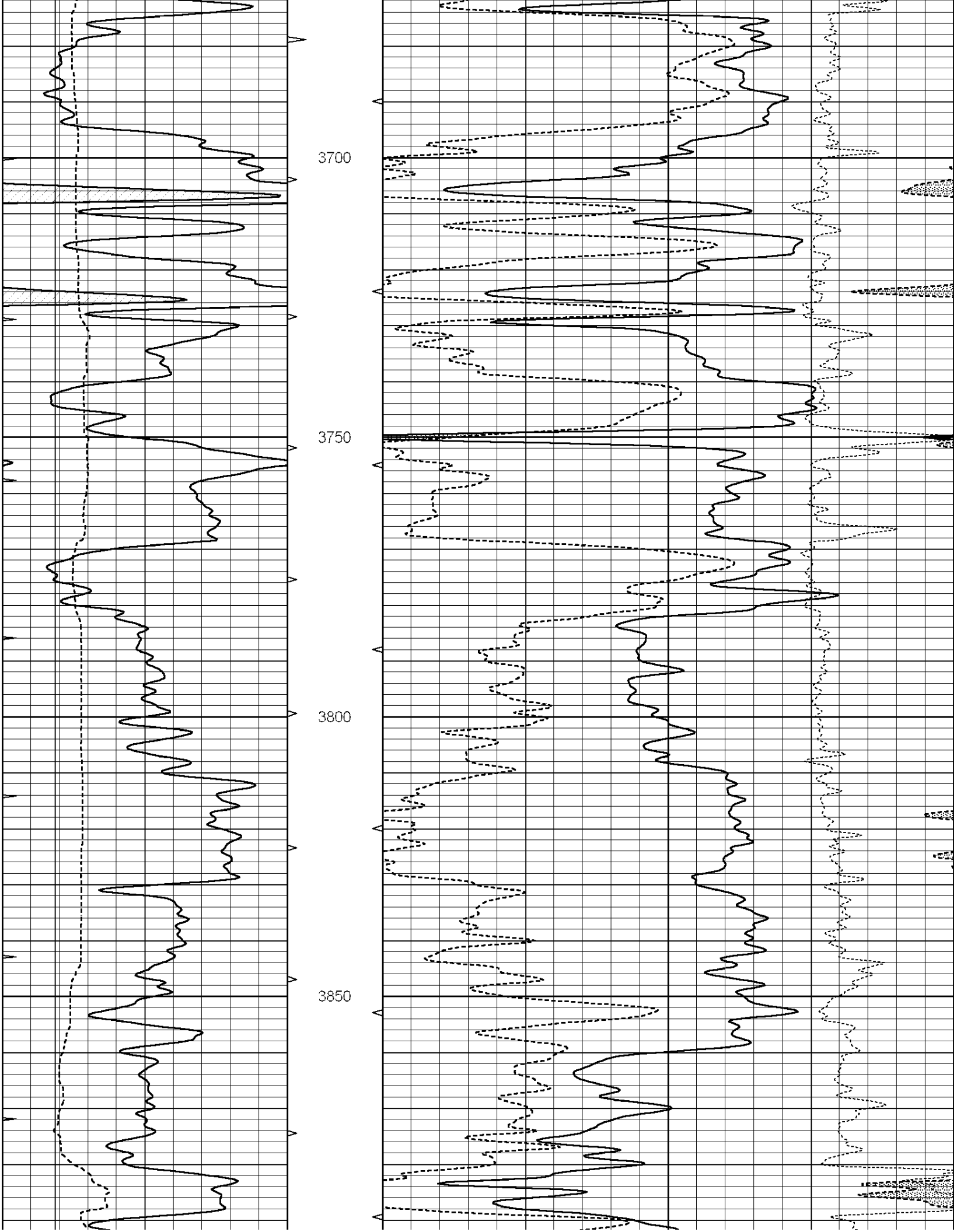
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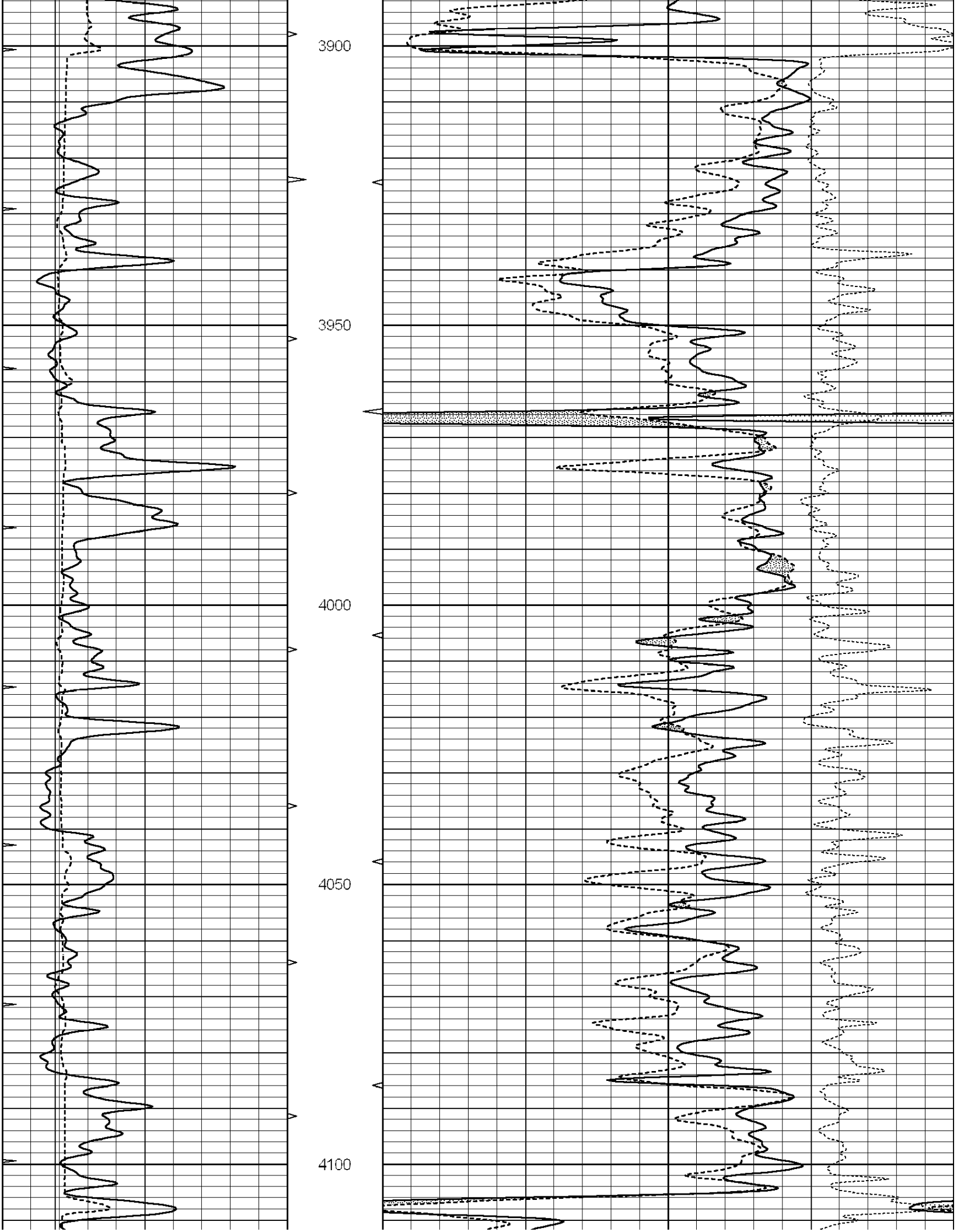
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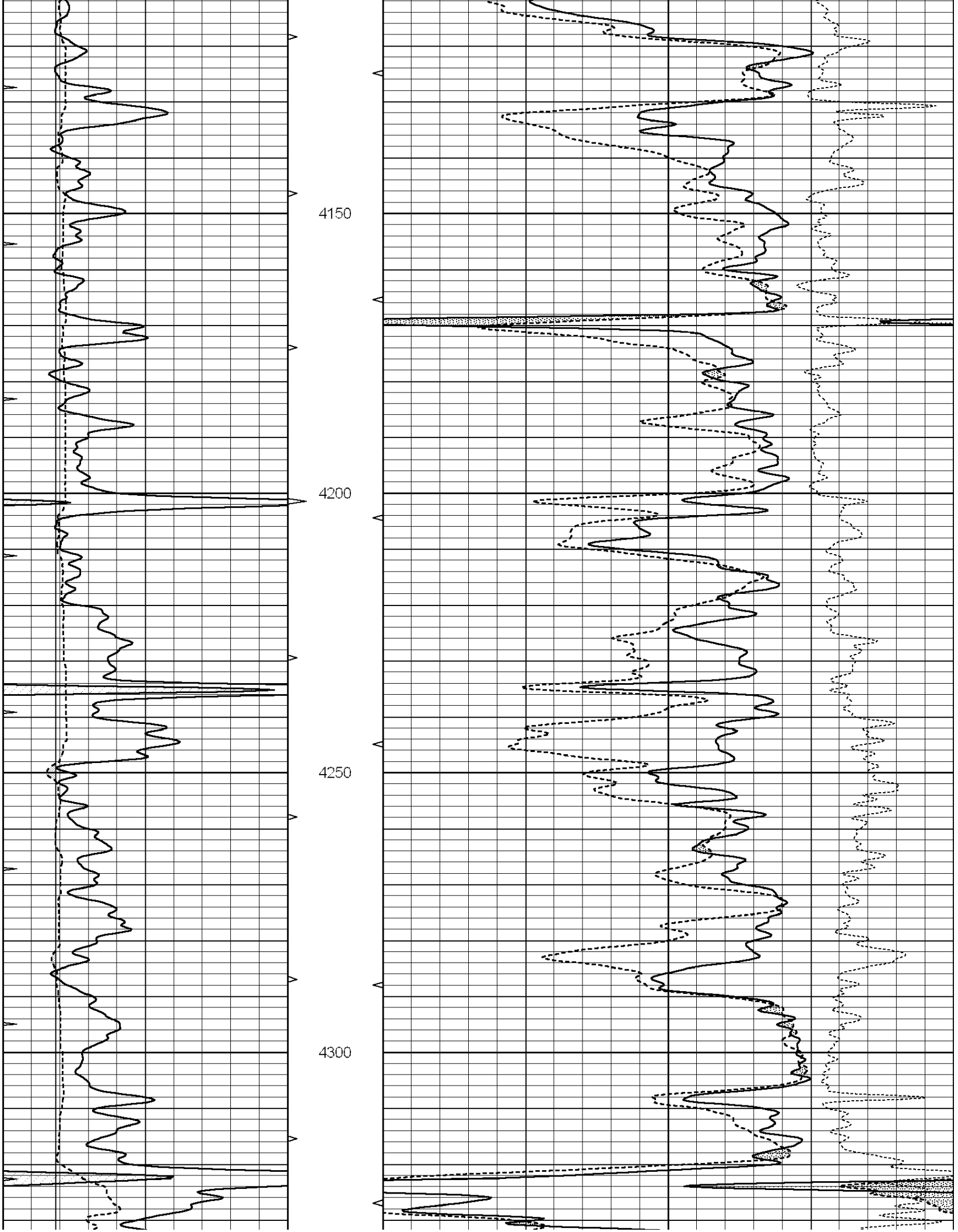
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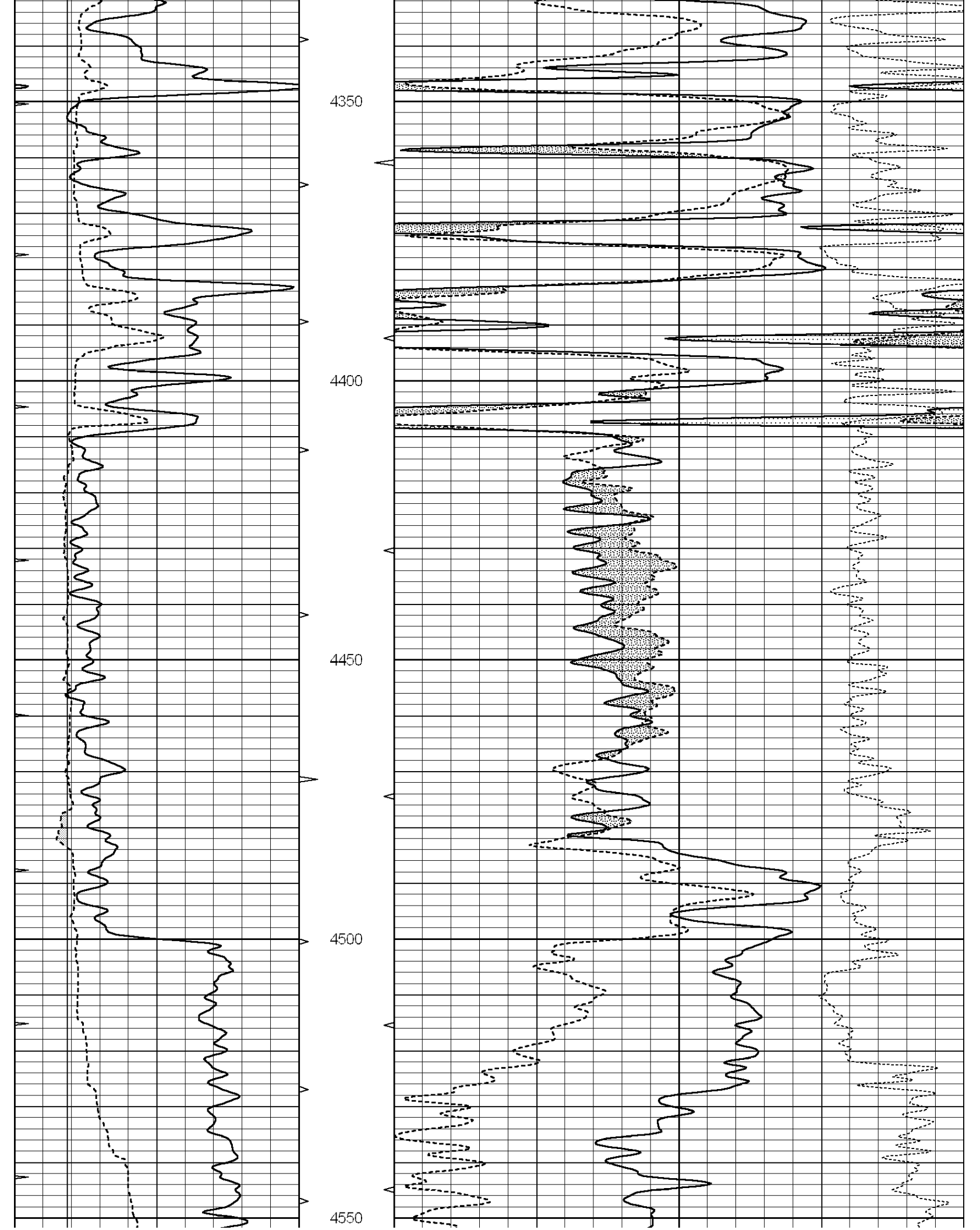
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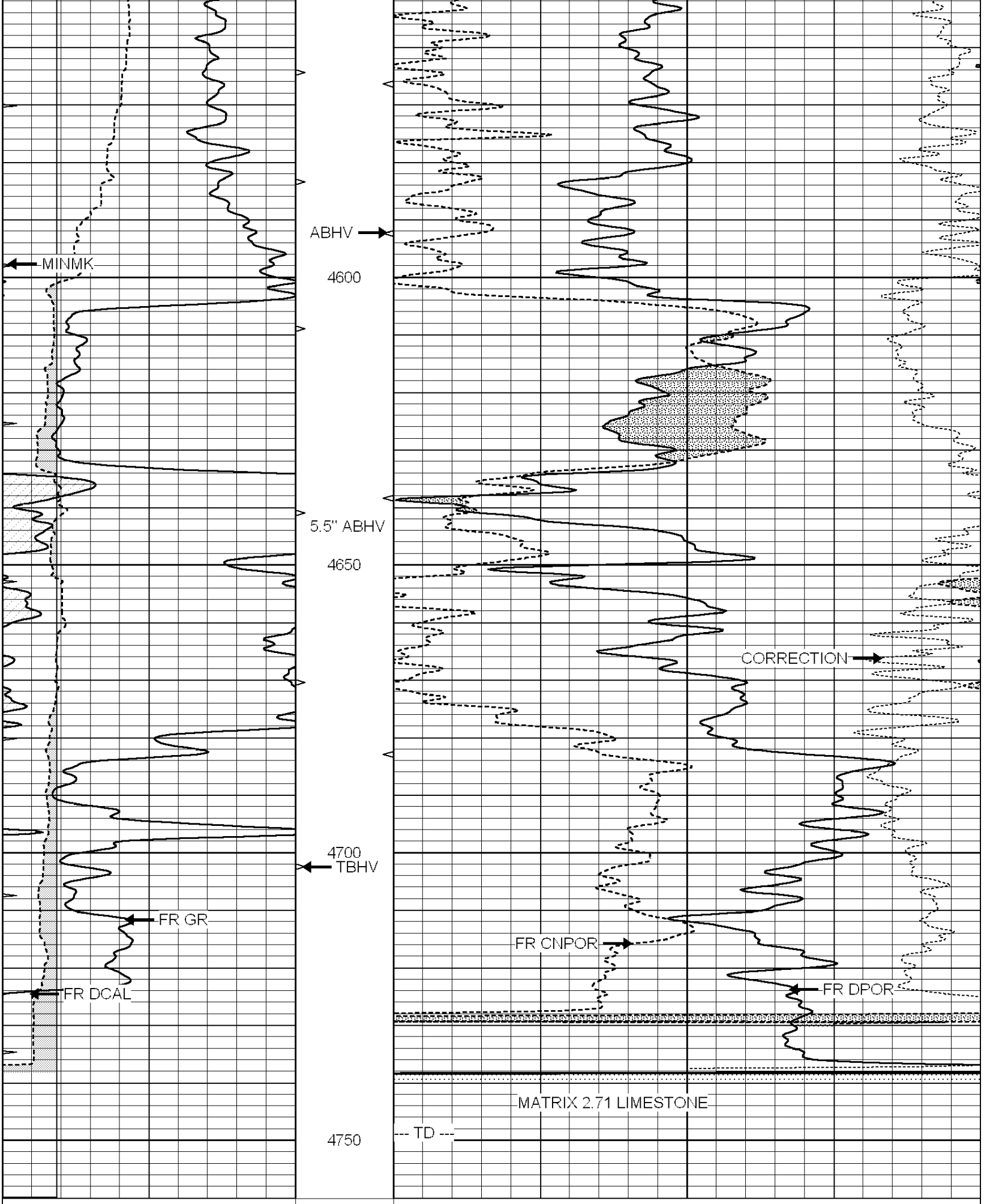

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0	MINMK 20	TBHV		0.25 CORRECTION (g/cc)	0.25

0	MINMK	20	TBHV		
			0 (ft3) 10	-0.25 CORRECTION (g/cc)	0.25

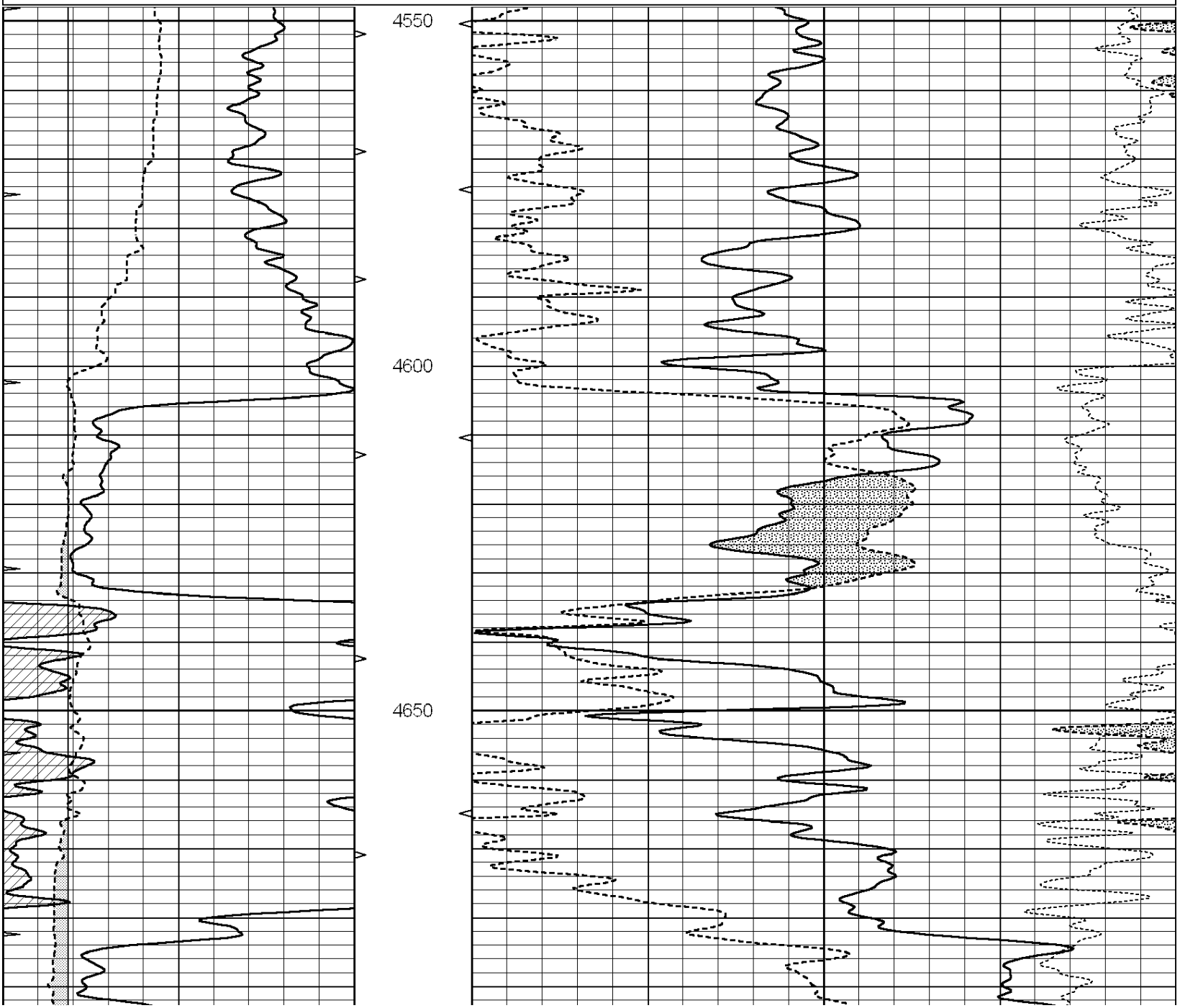
SUPERIOR WELL SERVICES

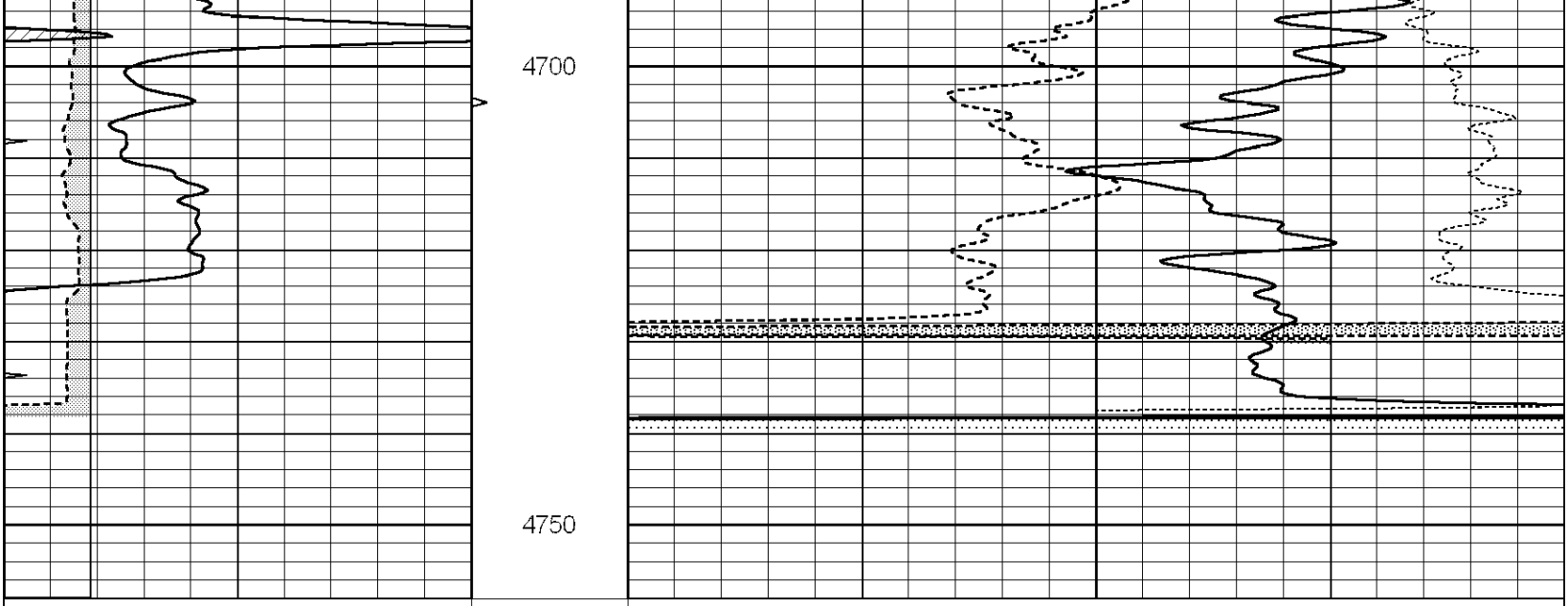
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File:	008784ddn.db
Dataset Pathname:	pass2.1A
Presentation Format:	den_neu
Dataset Creation:	Mon Jun 04 23:51:29 2012
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			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10			





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6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	TBHV			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10				

Calibration Report

Database File: 008784ddn.db
Dataset Pathname: pass3.A
Dataset Creation: Tue Jun 05 00:03:54 2012

Dual Induction Calibration Report

Serial-Model:	PROBE9-DILG
Surface Cal Performed:	Mon Jun 04 20:32:56 2012
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Fri Jun 01 07:32:39 2012

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	550.000	-13.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	540.000	-17.000
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		3970.000	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: GEAR2-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Mon Jun 04 21:41:50 2012

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1203.63	642.89	cps
Aluminum	2.570	g/cc	267.51	439.63	cps

Spine Angle = 75.82 Density/Spine Ratio = 0.554

	Size		Reading	
Small Ring	8.05	in	7.40	V
Large Ring	14.00	in	8.90	V

Compensated Neutron Calibration Report

Serial Number: NUE_2I
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: GR5
Tool Model: OPEN
Performed: Mon Jun 04 20:32:21 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.7500 GAPI/cps