NABORS COMPLETION & PRODUCTION SERVICES CO.

DUAL INDUCTION LOG

Company	DIXON ENERGY, INC.
Well	THOMAS NO. 1
Field	MEDICINE LODGE NORTH
County	BARBER
State	KANSAS

Company DIXON ENERGY, INC.
Well THOMAS NO. 1
Field MEDICINE LODGE NORTH
County BARBER State KANSAS
Location: API # : 15-007-23959-00-00
660' FSL & 660' FEL
SEC 17 TWP 32S RGE 12W
Permanent Datum GROUND LEVEL Elevation 1649
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services: CNL/CDL/PE MEL/SON

Elevation: K.B. 1659 D.F. 1657 G.L. 1649

Date	11/26/2012		
Run Number	ONE		
Depth Driller	4950		
Depth Logger	4951		
Bottom Logged Interval	4949		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 222		
Casing Logger	222		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.4/57	CHLORIDES 5,000 PPM	
pH / Fluid Loss	10.0/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.65@91F		
Rmf @ Meas. Temp	.52@91F		
Rmc @ Meas. Temp	.78@91F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.47@125F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	2:30 P.M.		
Maximum Recorded Temperature	125		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	MIKE GARRISON		
Witnessed By	MIKE DIXON		

<<< Fold Here >>>

Comments

THANK YOU FOR USING NABORS COMPLETION & PRODUCTION SERVICES (785) 628-6395
DIRECTIONS
MEDICINE LODGE, 3 EAST TO GYP HILL RD, 1 1/2 SOUTH TO RED ROCK RD, 1/2 EAST, NORTH INTO

NABORS COMPLETION & PRODUCTION

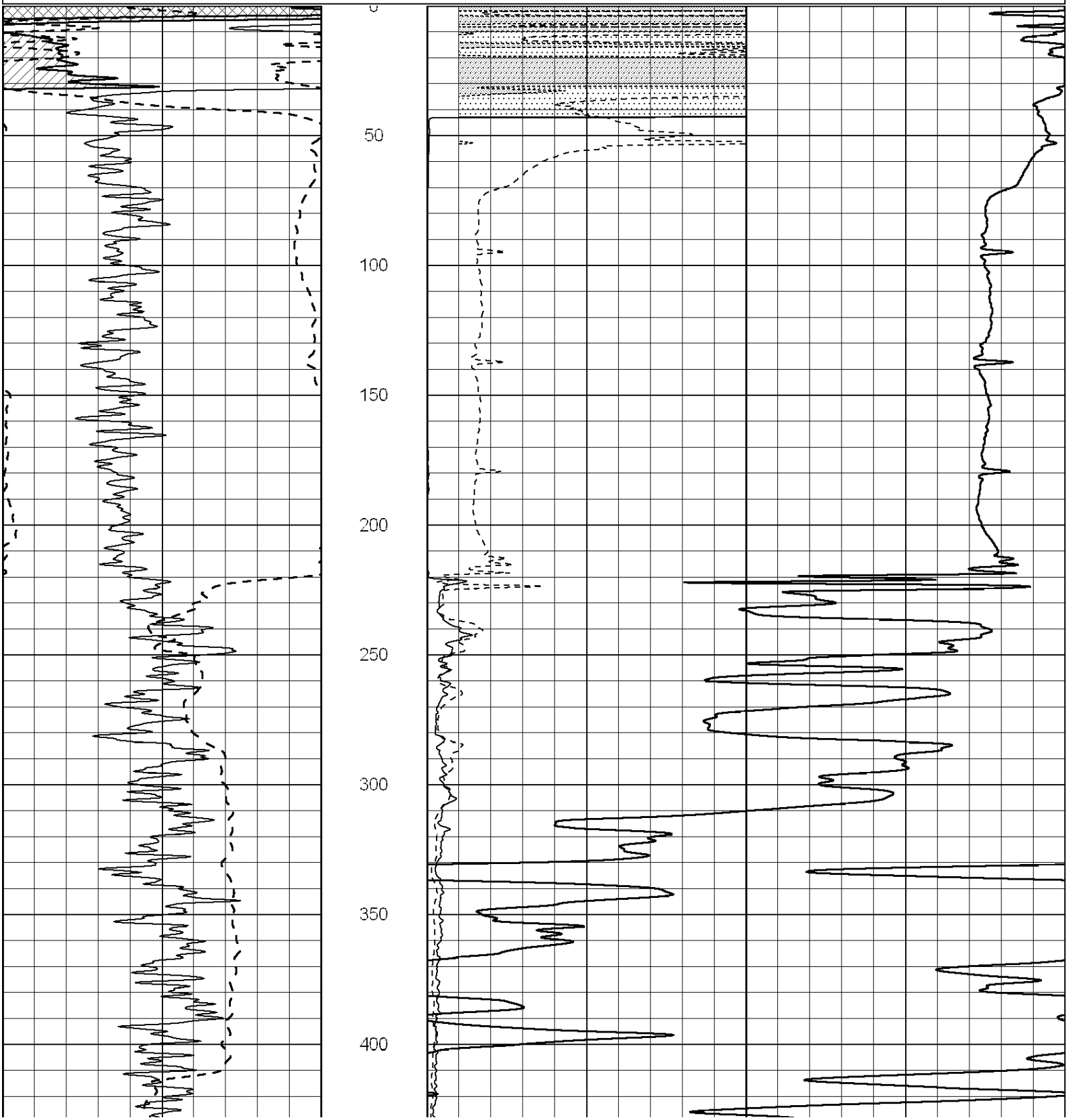
MAIN SECTION

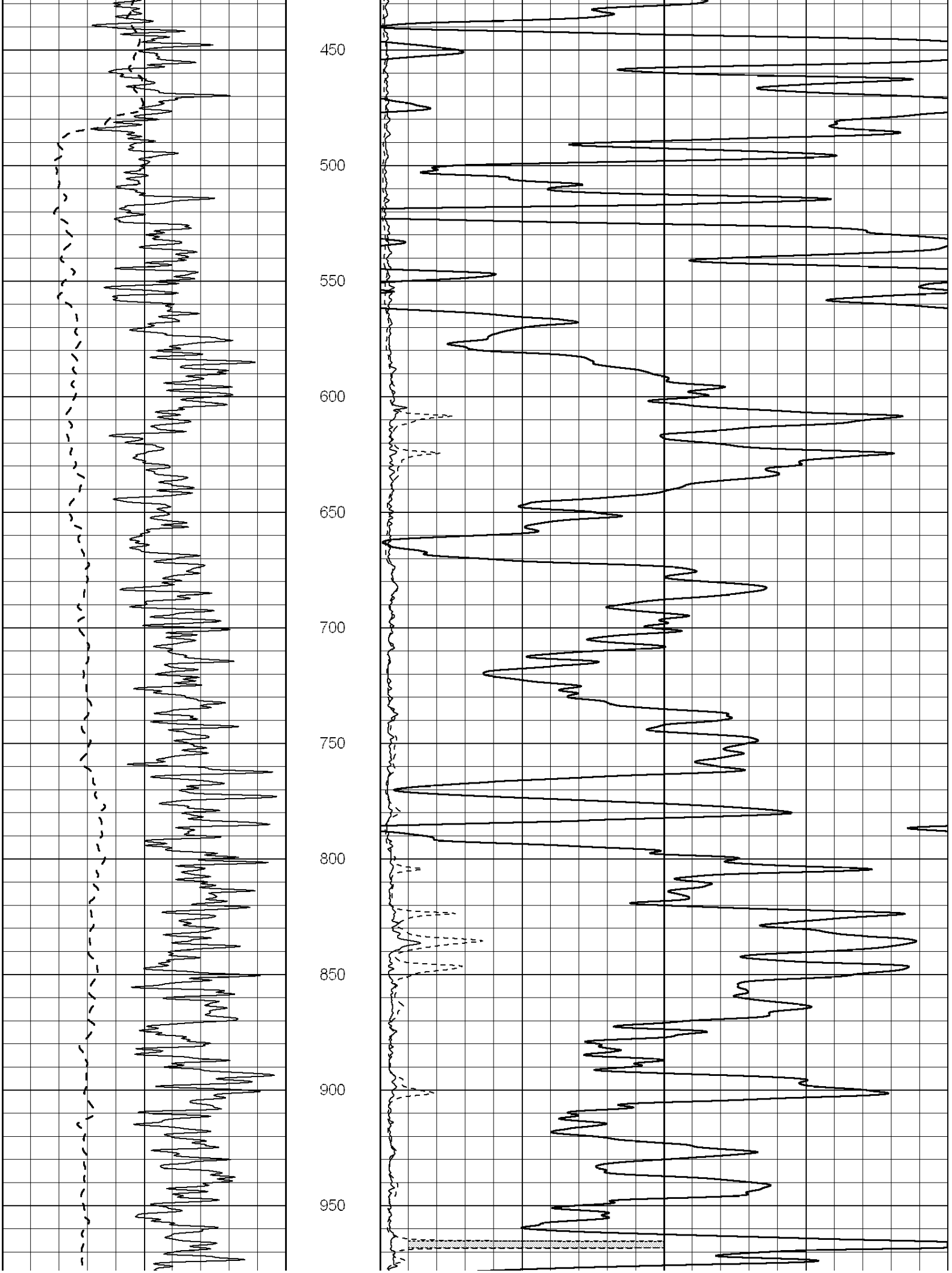
SERVICES CO.

Database File: 40010138pe.db
Dataset Pathname: pass3.1
Presentation Format: _dil2
Dataset Creation: Mon Nov 26 16:12:58 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50
1000	CILD (mmho/m)	0
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

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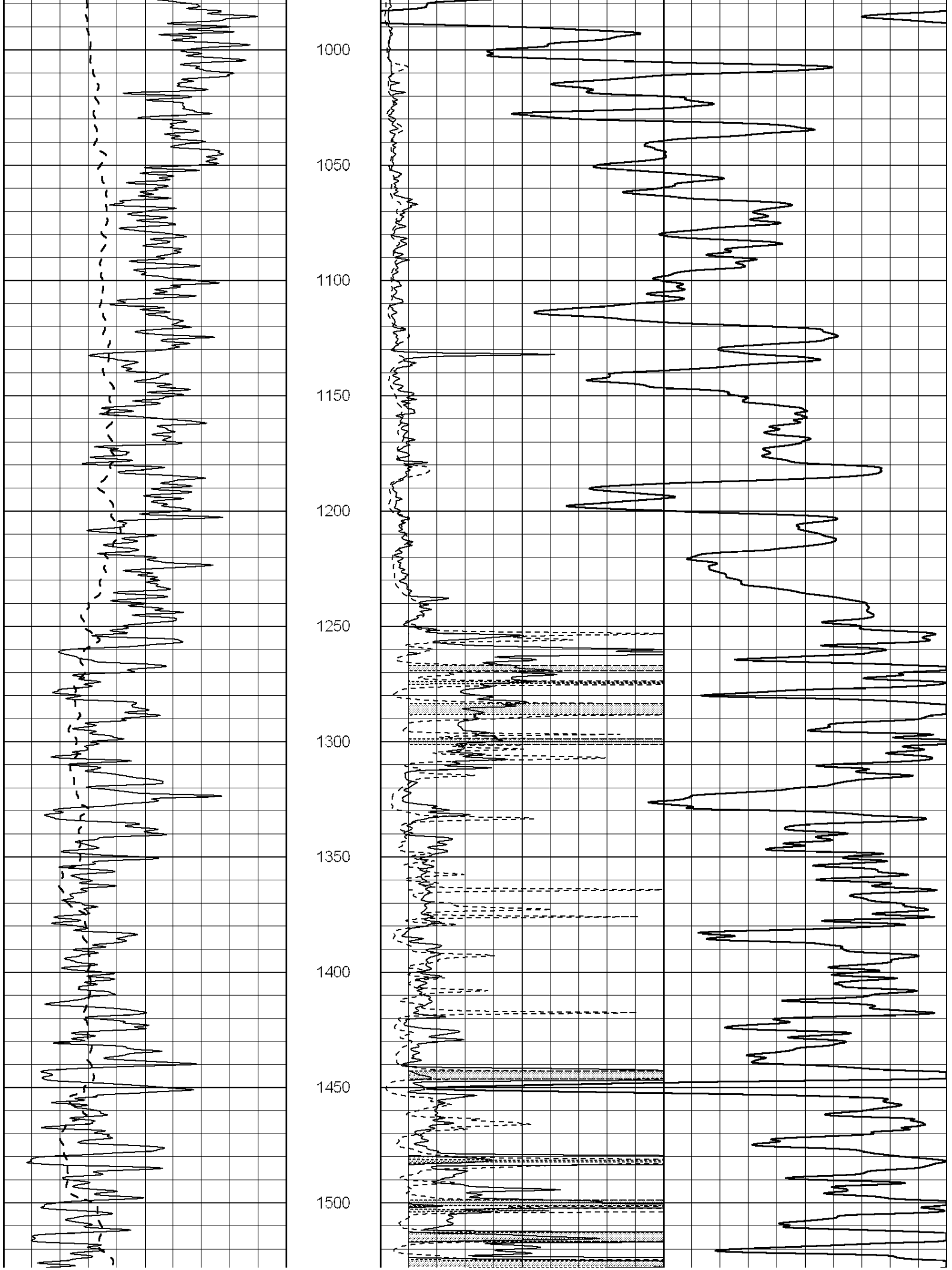
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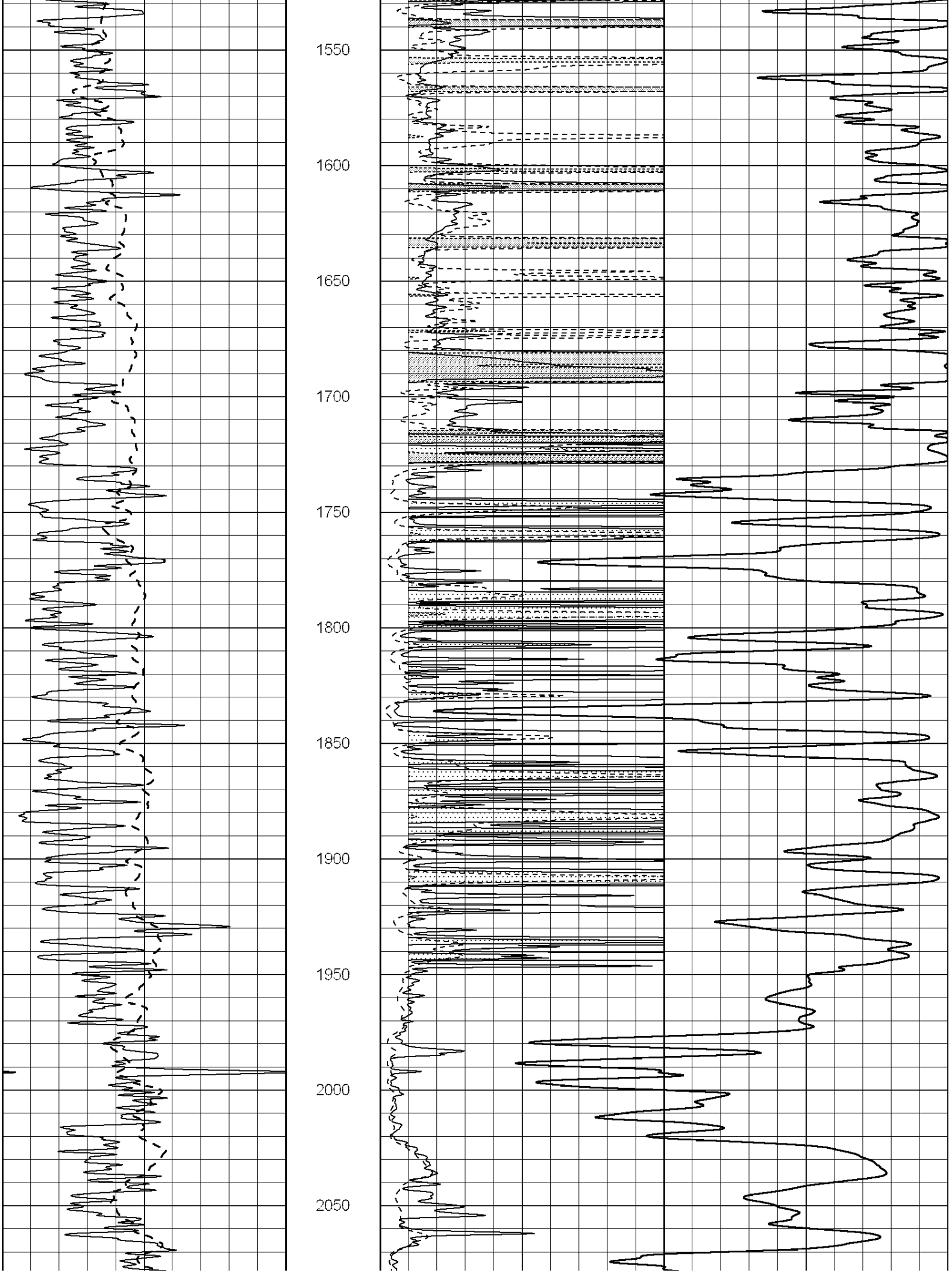
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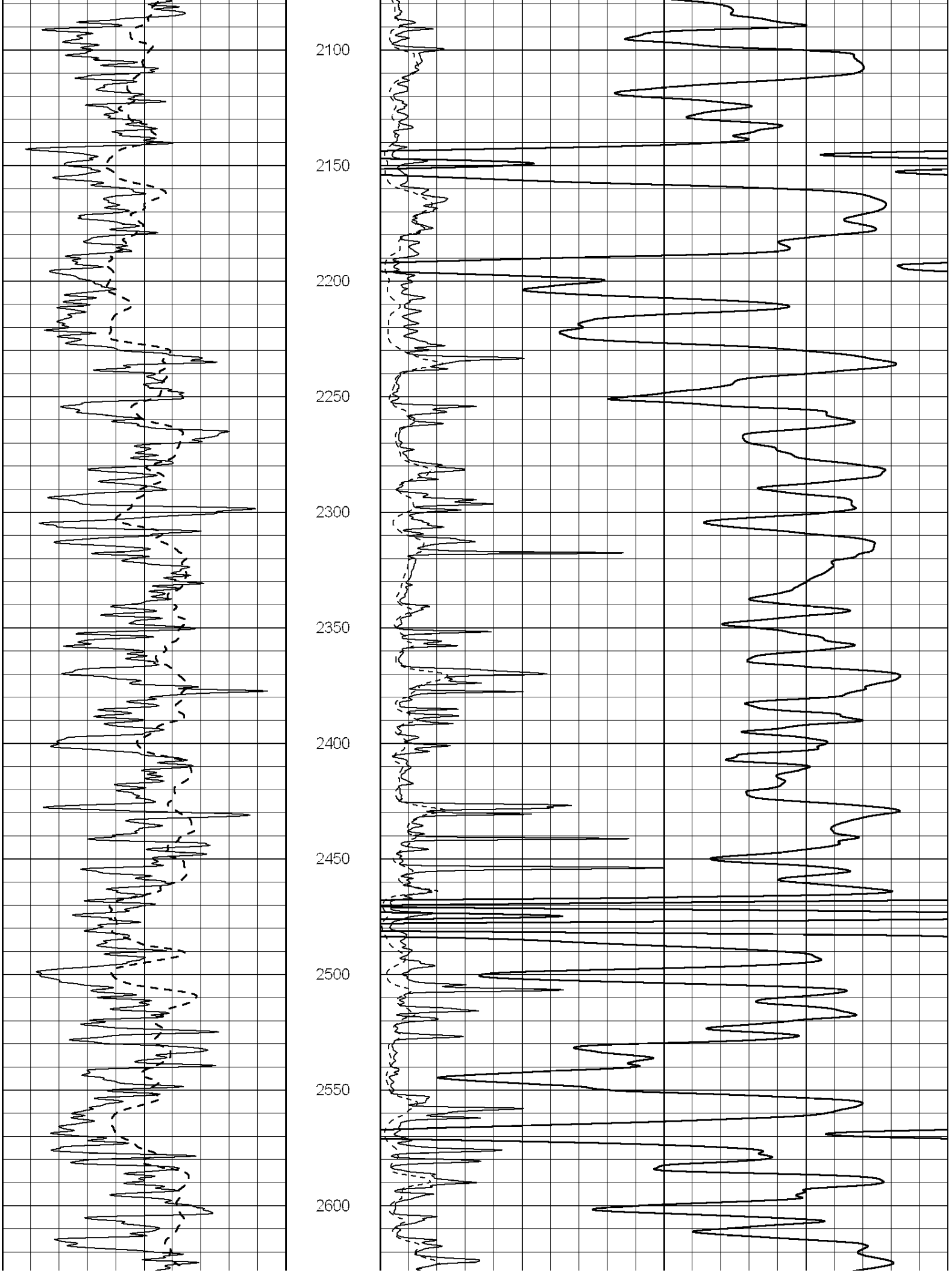
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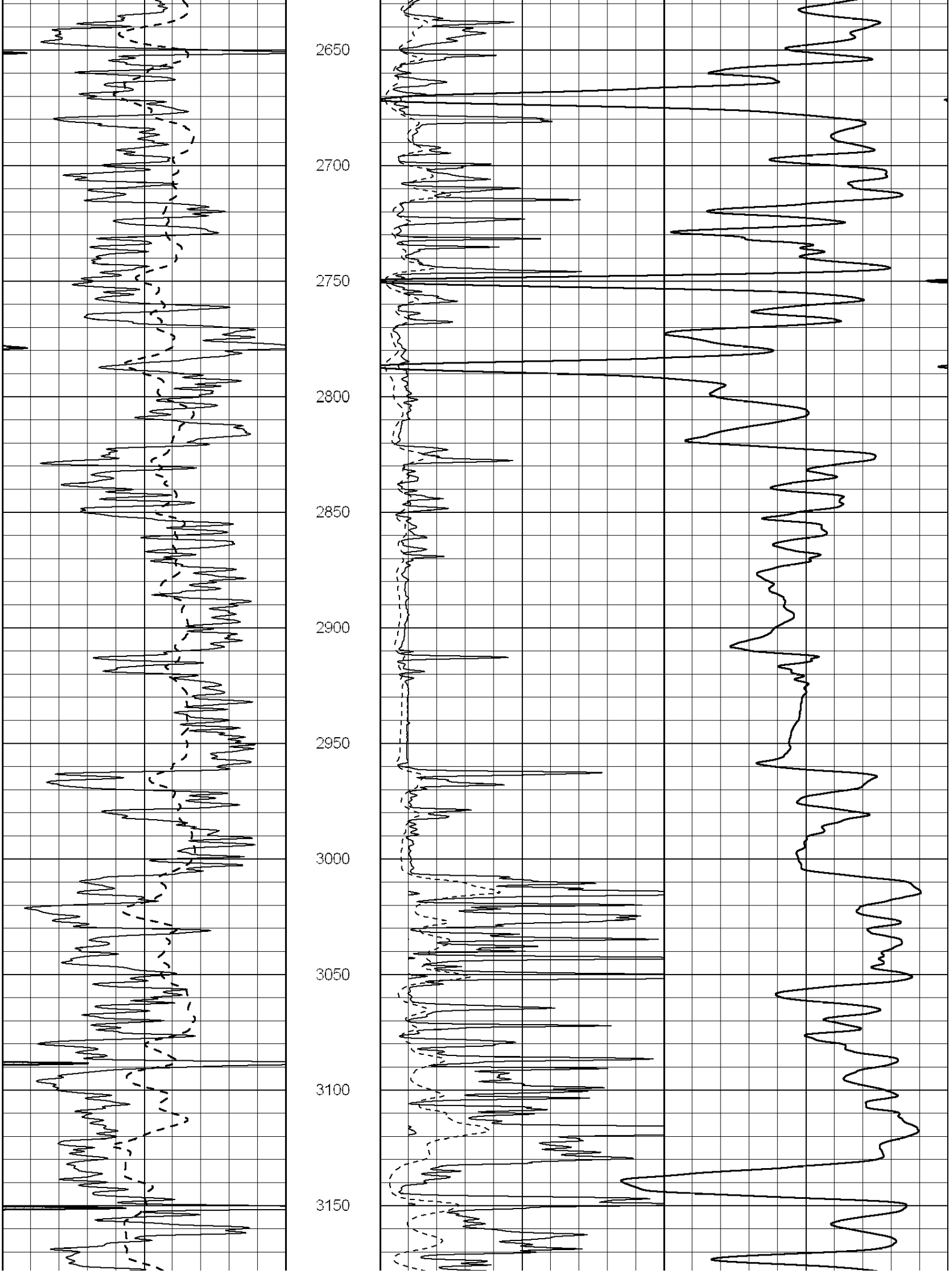
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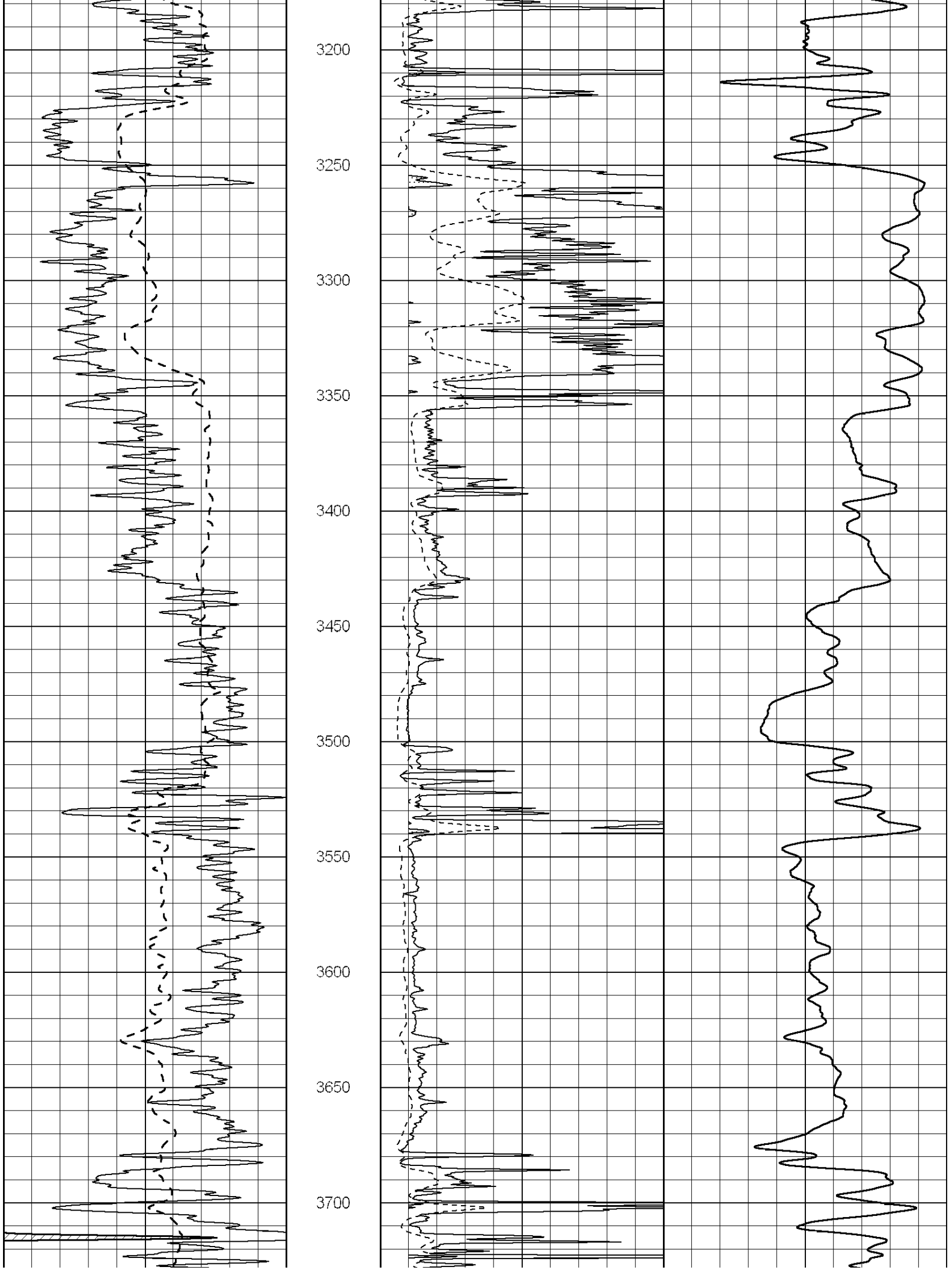
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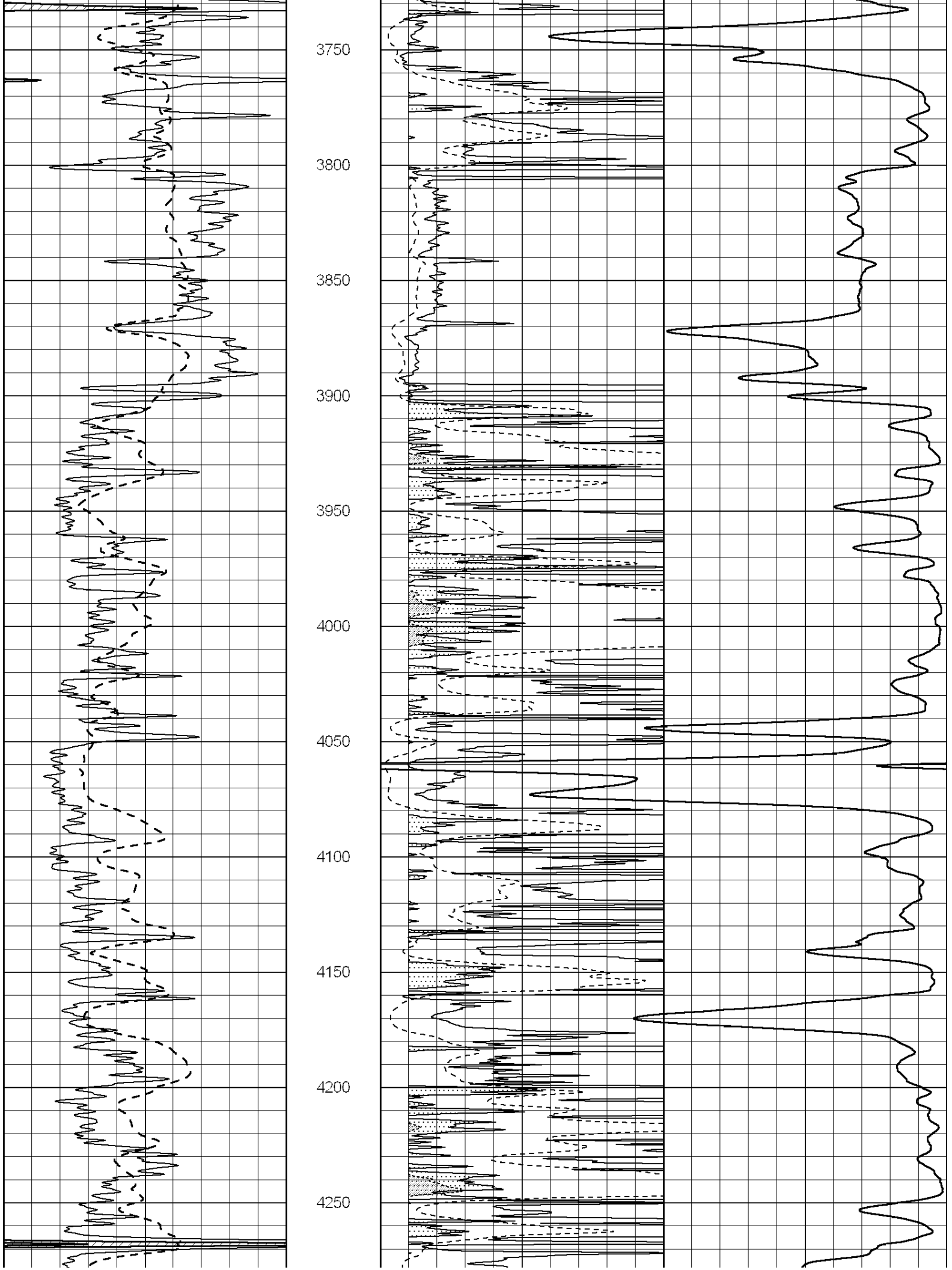
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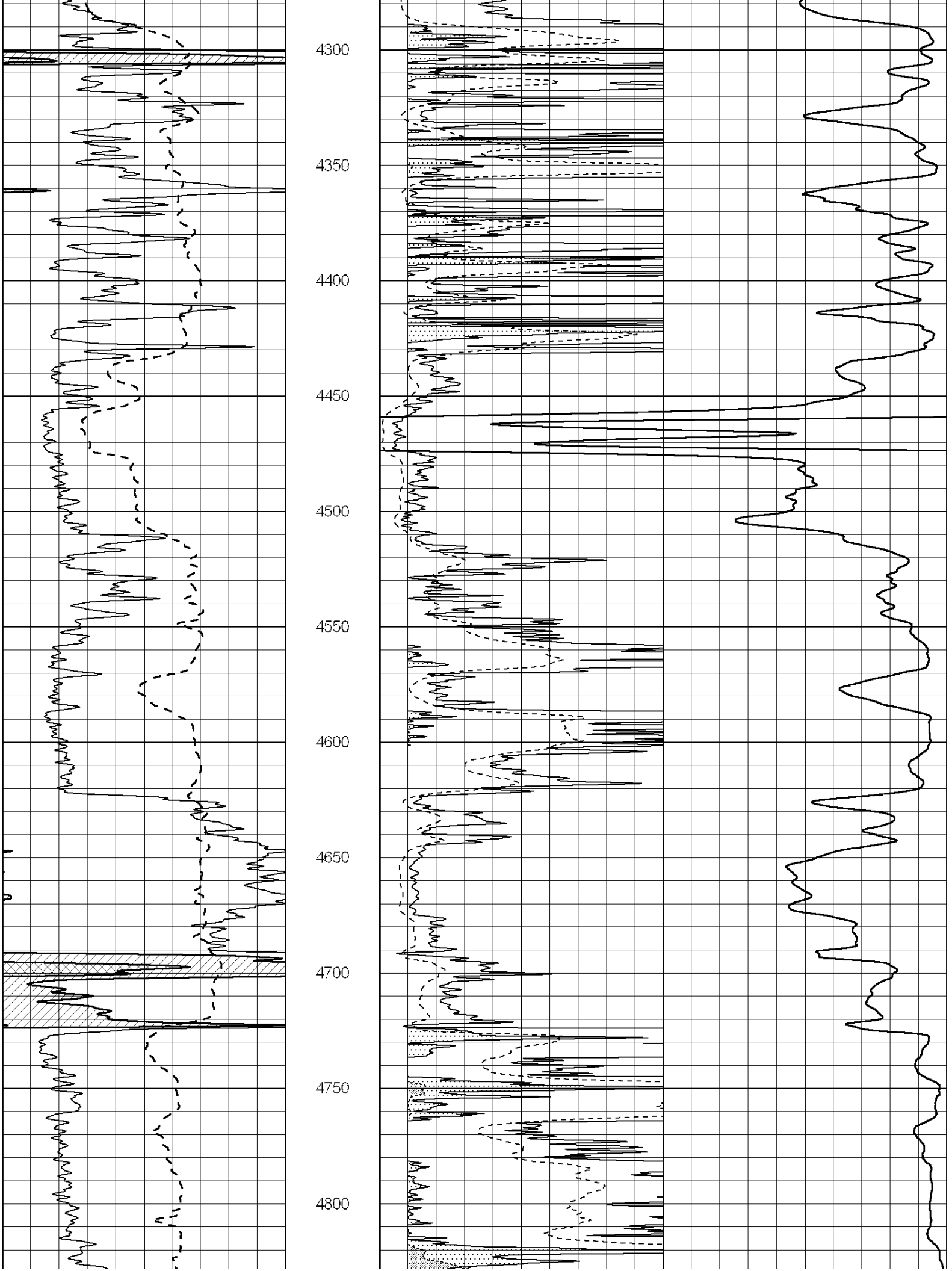
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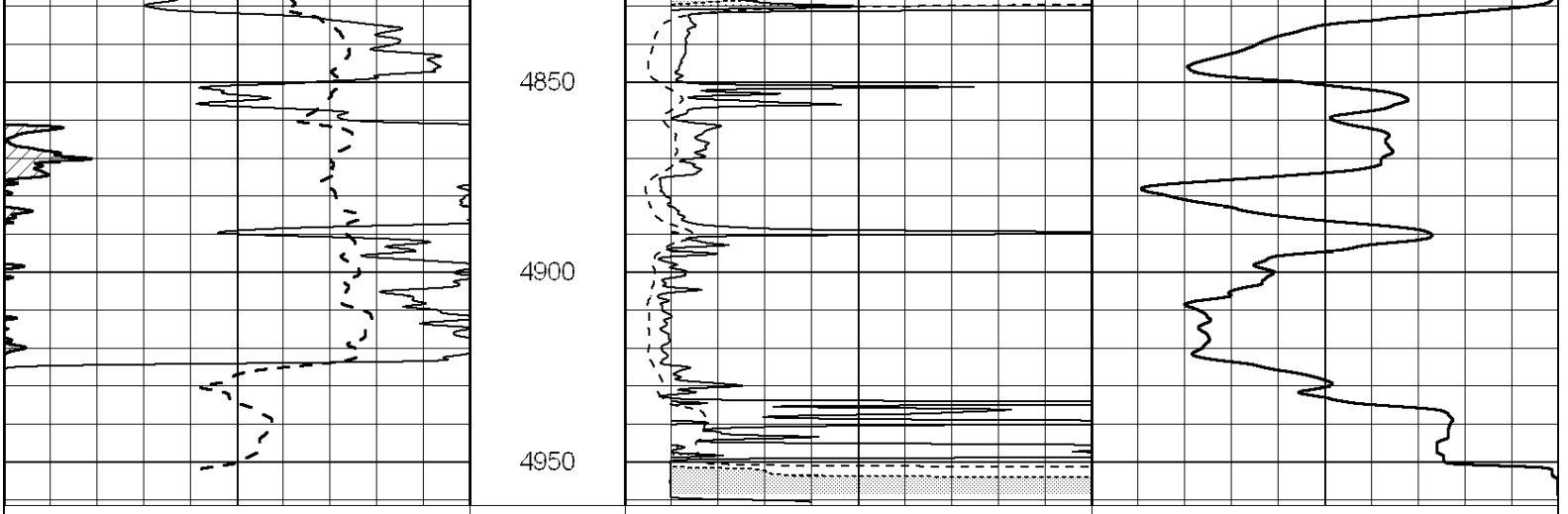


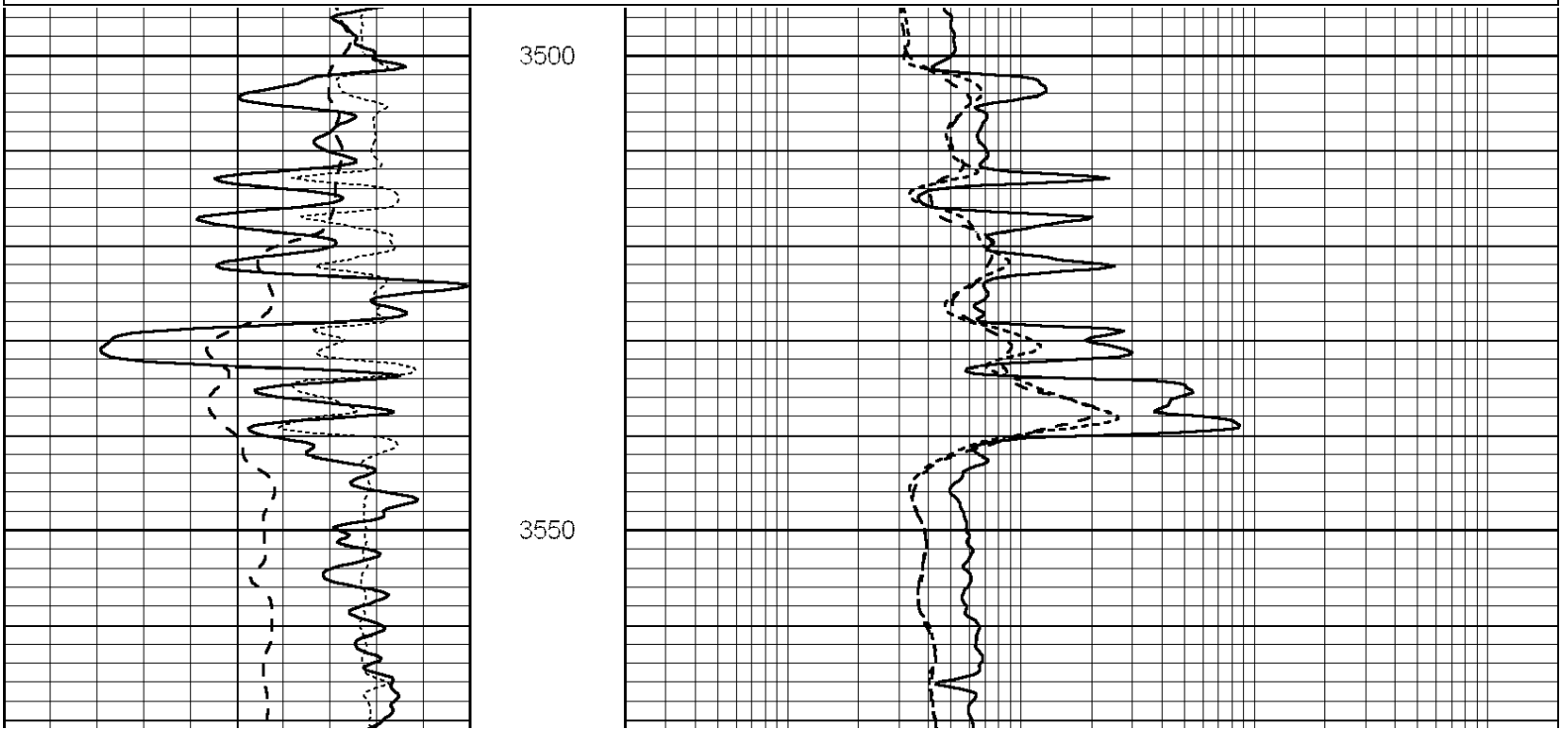
NABORS
COMPLETION & PRODUCTION SERVICES CO.

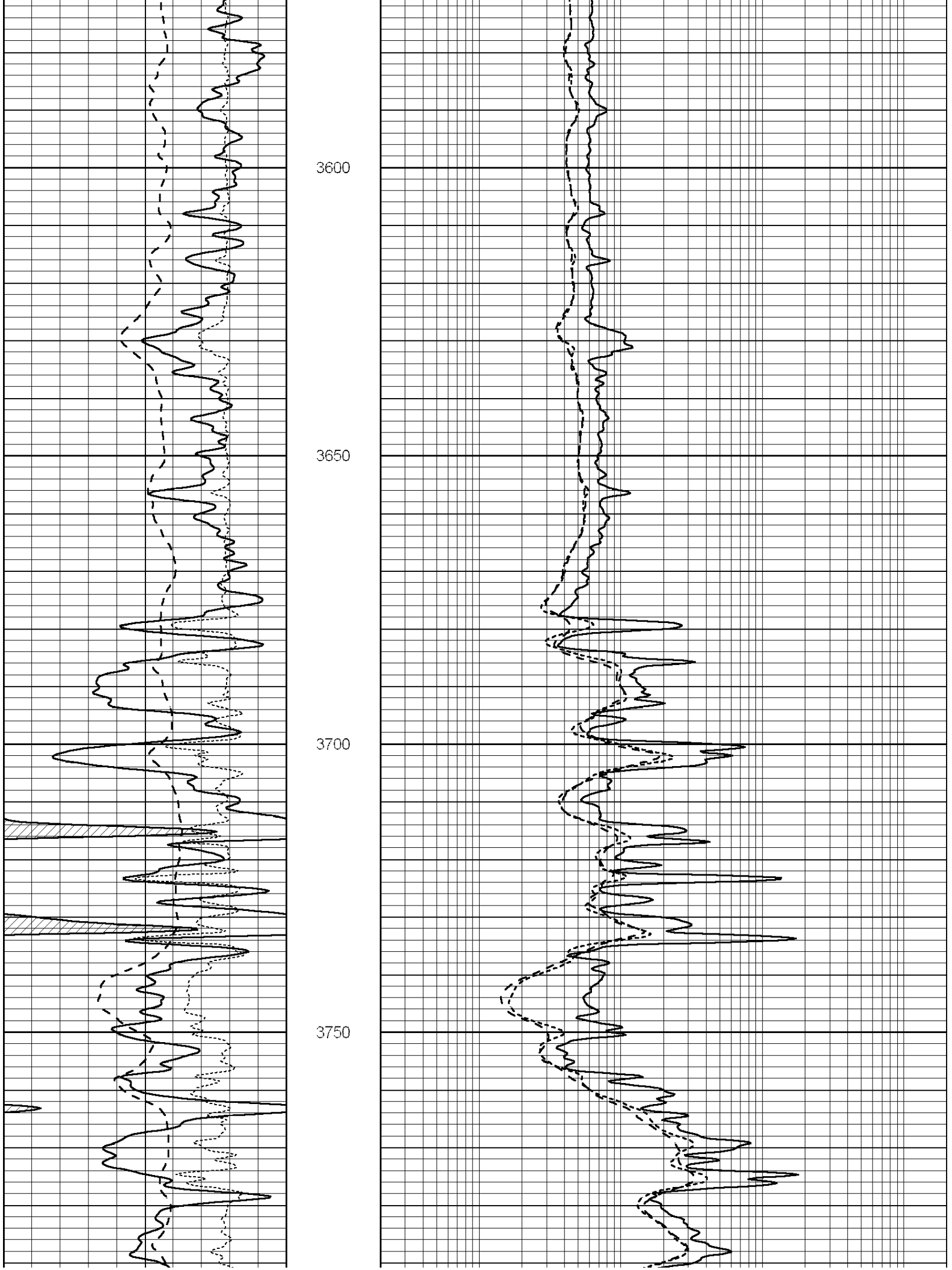
MAIN SECTION

Database File: 40010138pe.db
Dataset Pathname: pass3.1
Presentation Format: _dil
Dataset Creation: Mon Nov 26 16:12:58 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

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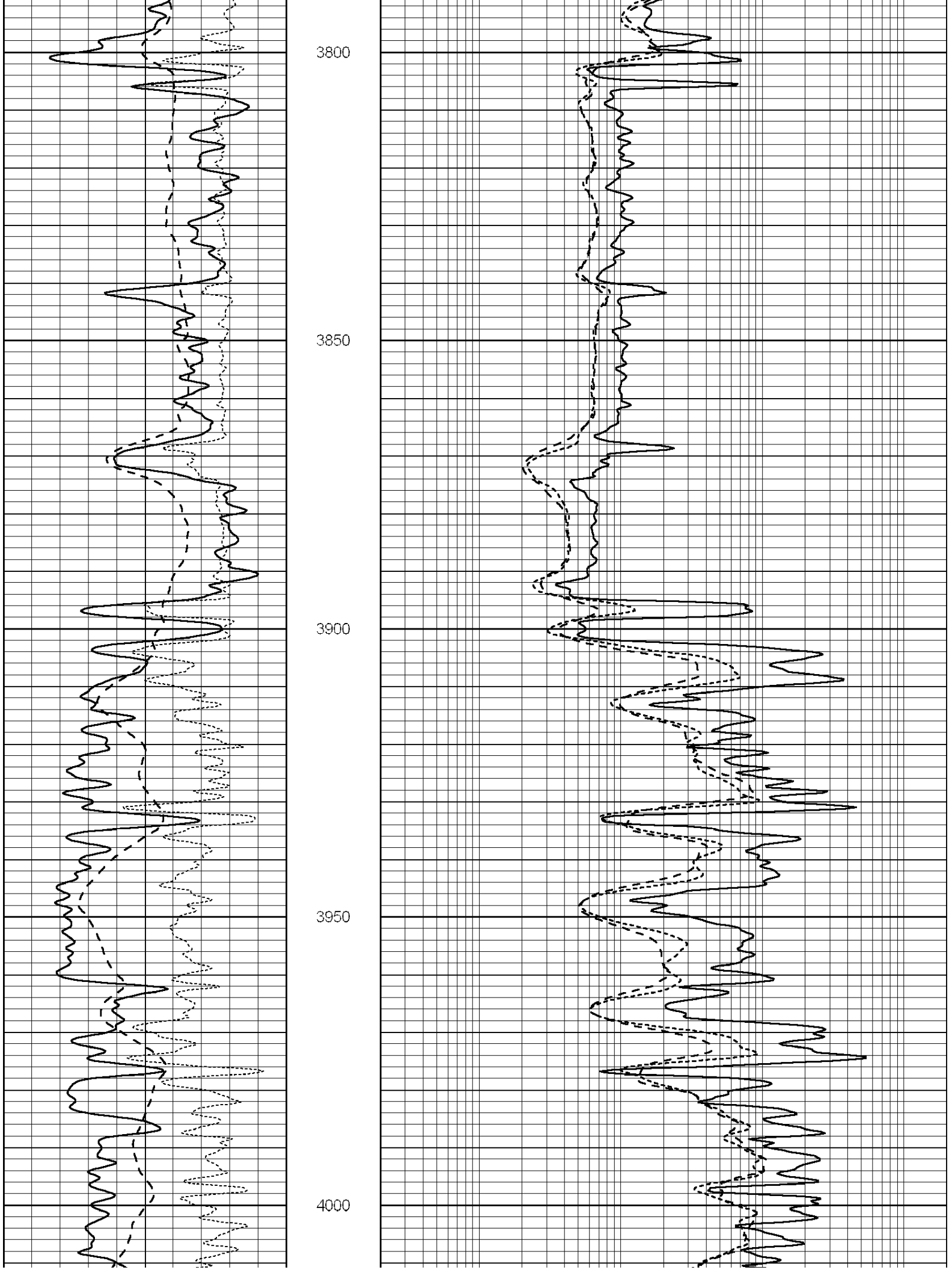
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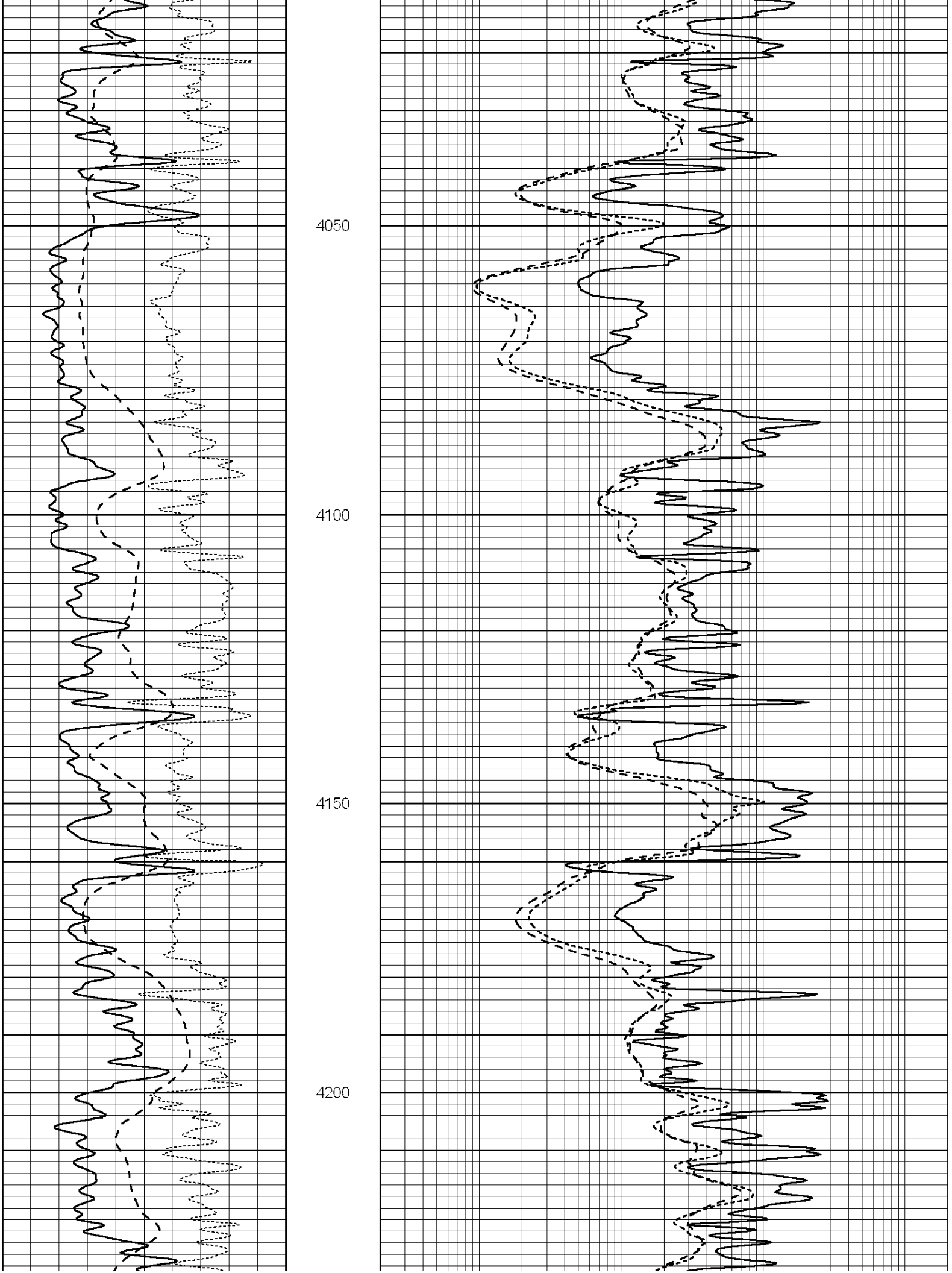
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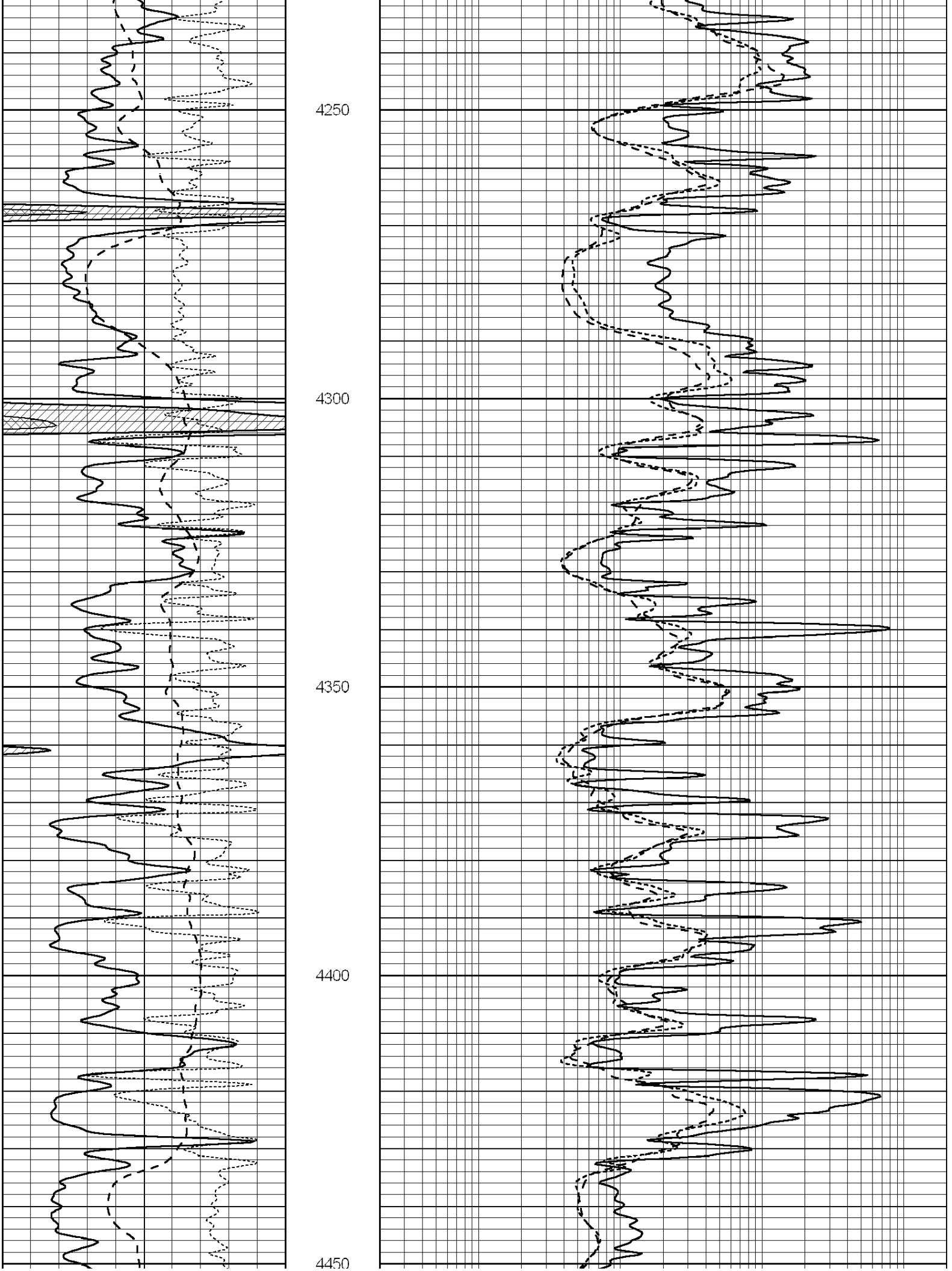
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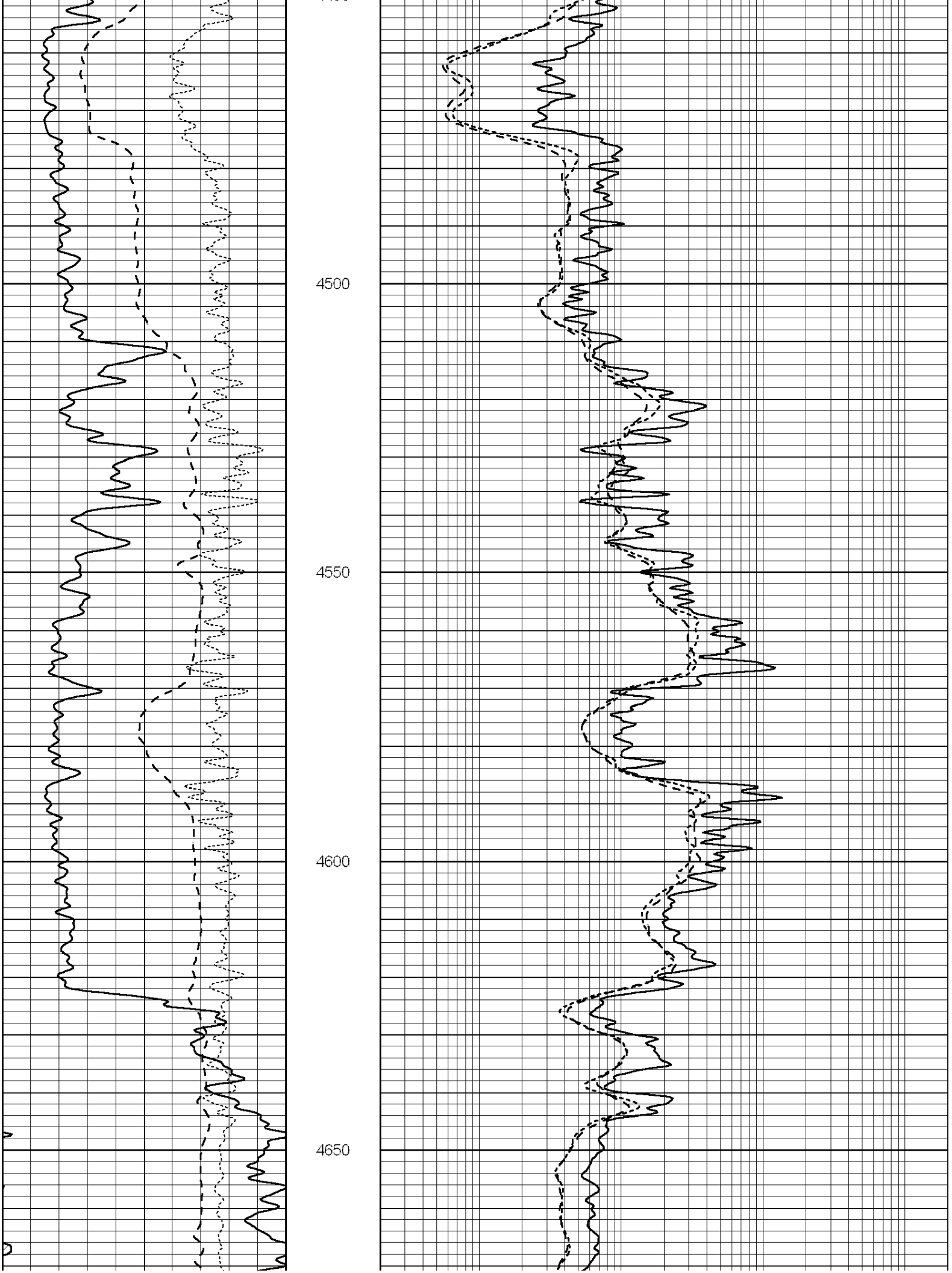
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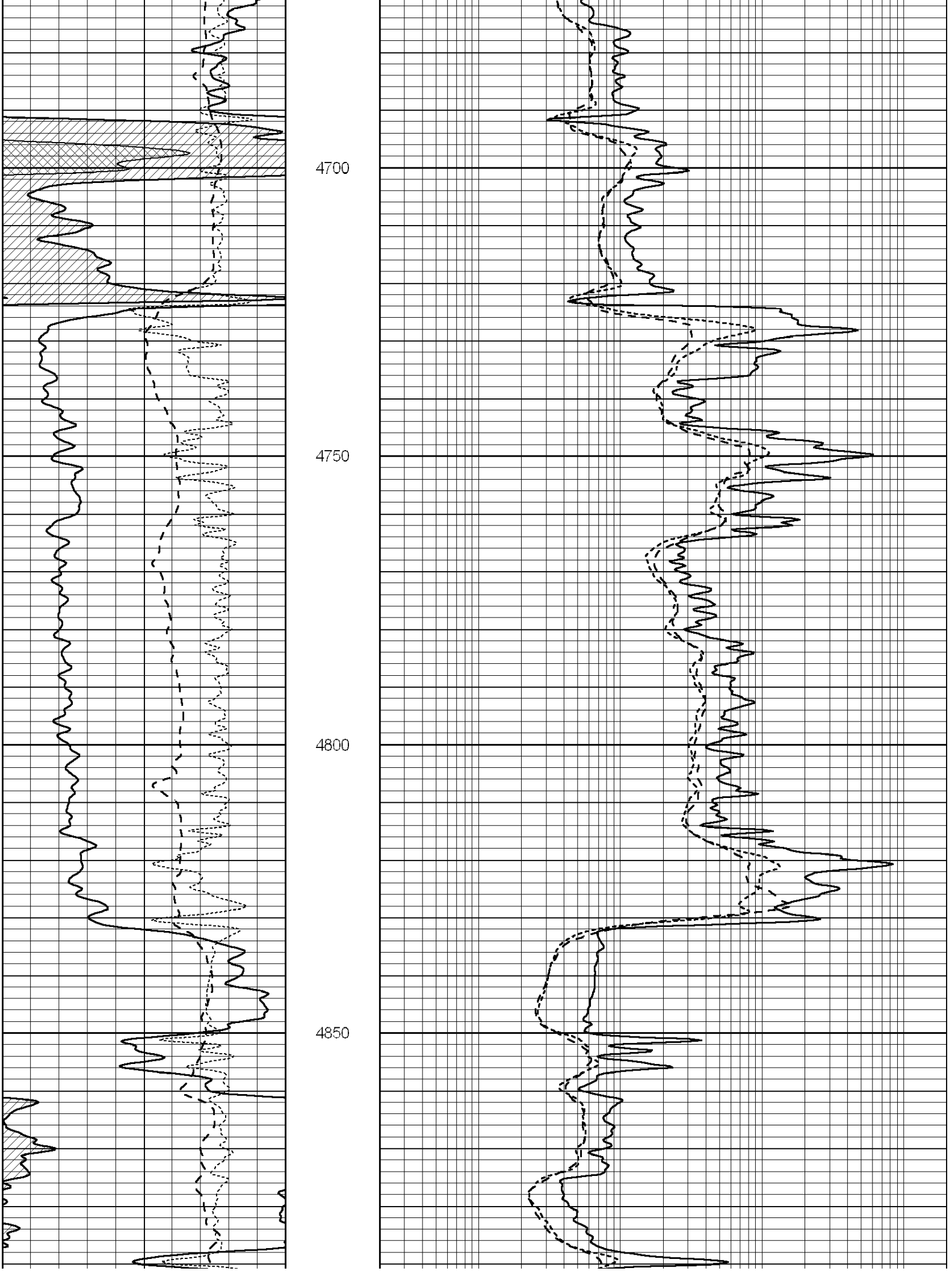
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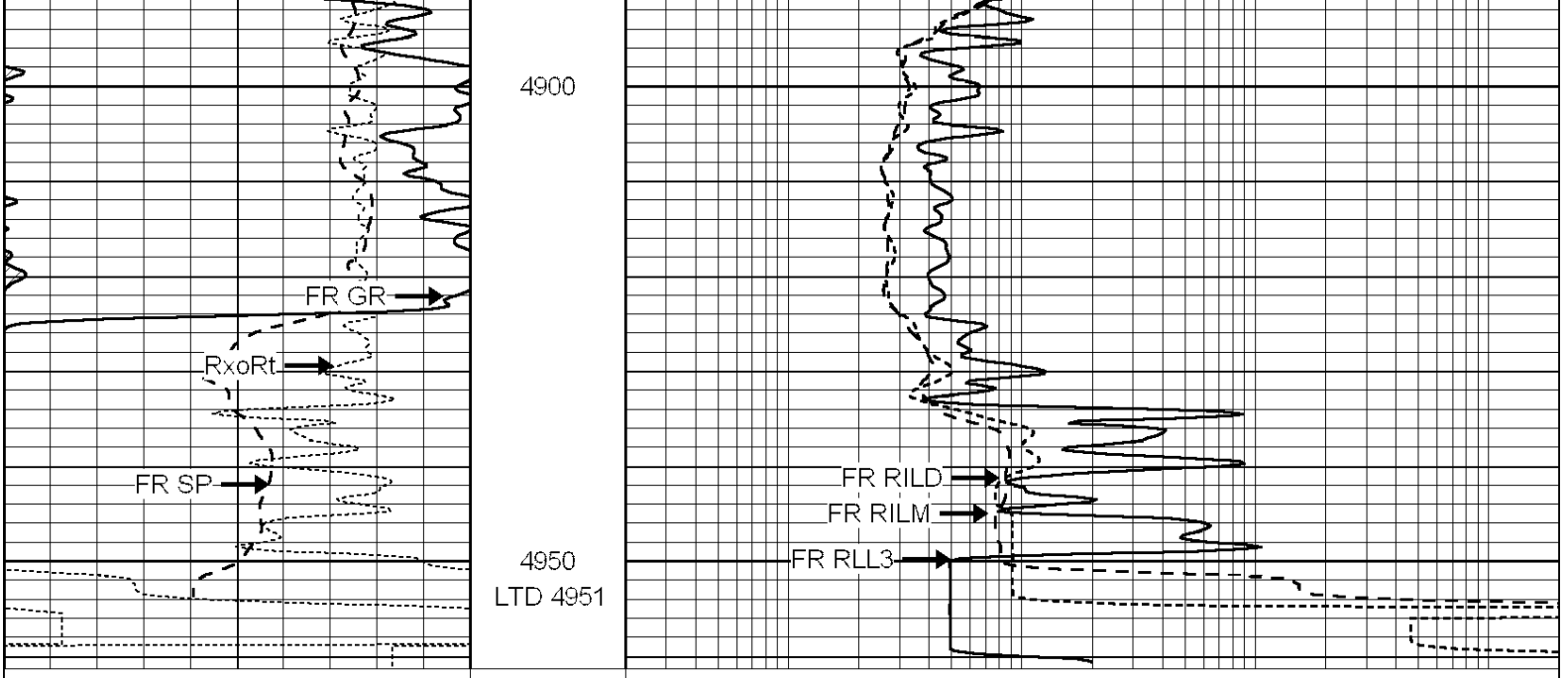


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

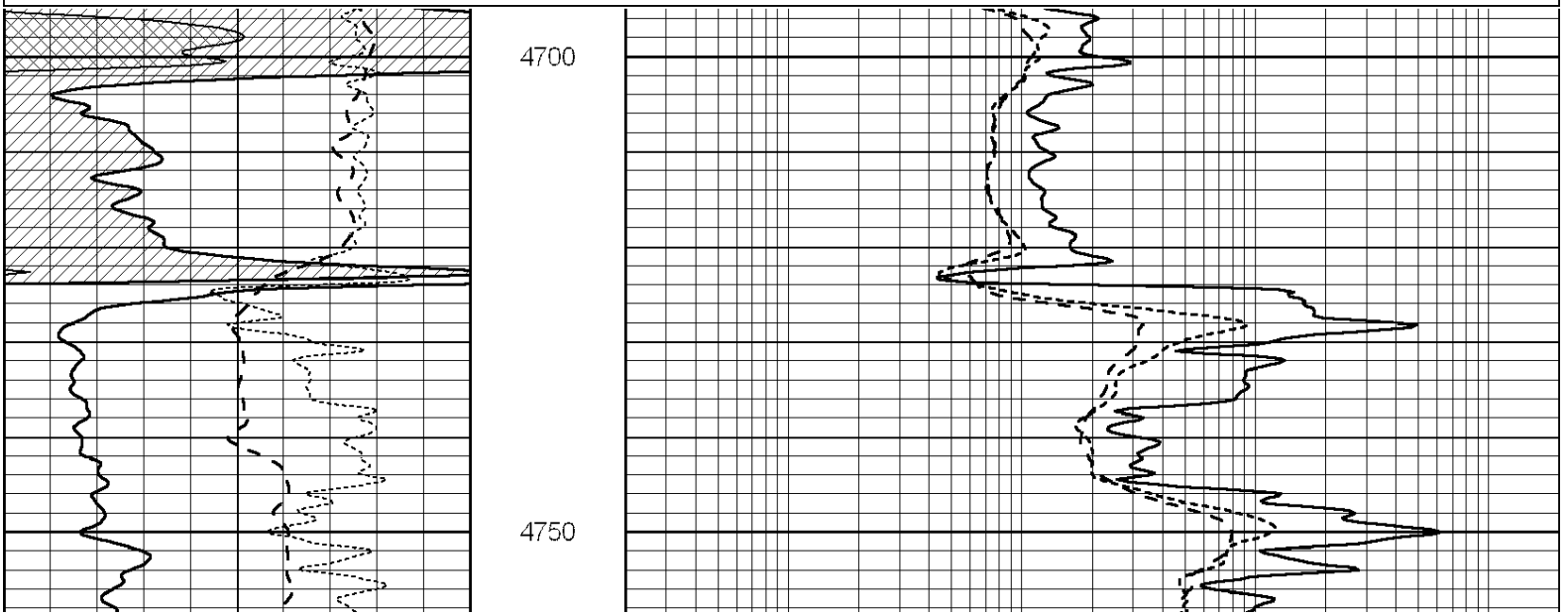
NABORS
COMPLETION & PRODUCTION SERVICES CO.

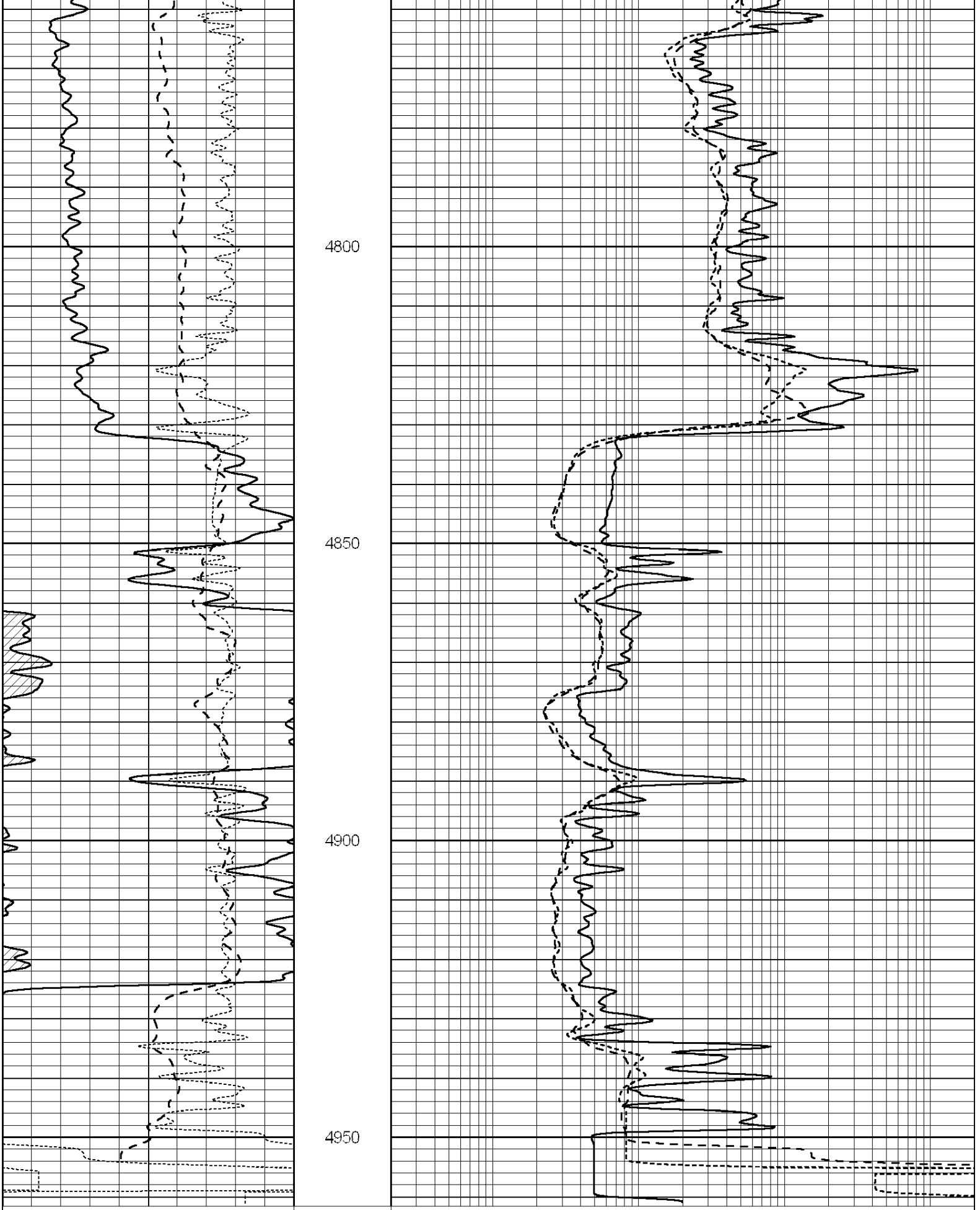
REPEAT SECTION

Database File: 40010138pe.db
Dataset Pathname: pass2.2
Presentation Format: _dil
Dataset Creation: Mon Nov 26 15:48:44 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

Calibration Report

Database File: 40010138pe.db
Dataset Pathname: pass3.1
Dataset Creation: Mon Nov 26 16:12:58 2012 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Fri Aug 01 06:33:19 2008
Downhole Cal Performed:	Mon Jul 28 11:08:27 2008
After Survey Verification Performed:	Mon Jul 28 11:08:27 2008

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	632.616	-9.730
Medium	0.029	0.796	V	0.000	464.000	mmho/m	605.049	-17.680
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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 Thu May 24 10:48:35 2012

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	869.0	7503.7	2278.2	8031.6	cps
Window 2	814.2	6016.2	1916.9	6332.7	cps
Window 3	662.8	3301.5	1210.8	3422.7	cps
Window 4	200.3	202.6	201.6	200.2	cps
Long Space	0.0	5202.0	1102.6	5518.5	cps
Short Space	1.2	998.0	637.9	1006.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 43.9	Rib Slope	: 0.963	Density/Spine Ratio	: 0.545
Spine Angle	: 73.9	Spine Slope	: 3.466	Spine Intercept	: -15.4

Caliper

	Readings	Reference
Low Ref	3.7	8.0
High Ref	6.1	14.0

Gain: 2.5 Offset: -2.3

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