DUAL INDUCTION LOG

Company	VESS OIL CORPORATION
Well	MILLS A #41
Field	EL DORADO
County	BUTLER
State	KANSAS

Company VESS OIL CORPORATION

Well MILLS A #41

Field EL DORADO

County BUTLER State KANSAS

Location: API # : 15-015-24088-00-00

2200' FNL & 2000' FWL

SEC 22 TWP 25S RGE 5E

Other Services: CDL/CNL/MEL

Permanent Datum	GROUND LEVEL	Elevation 1370'	Elevation
Log Measured From	KELLY BUSHING 6' A.G.L.		K.B. 1376'
Drilling Measured From	KELLY BUSHING		D.F. 1374
			G.L. 1370

Date	08/27/17		
Run Number	ONE		
Depth Driller	2468		
Depth Logger	2468		
Bottom Logged Interval	2466		
Top Log Interval	SURFACE		
Casing Driller	10 3/4" @ 253		
Casing Logger	253		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3/74		
pH / Fluid Loss	10.0/6.7		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.1@84		
Rmf @ Meas. Temp	.83@84		
Rmc @ Meas. Temp	1.32@84		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.90@102		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	102F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	ROGER MARTIN		

<<< Fold Here >>>

Comments

THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

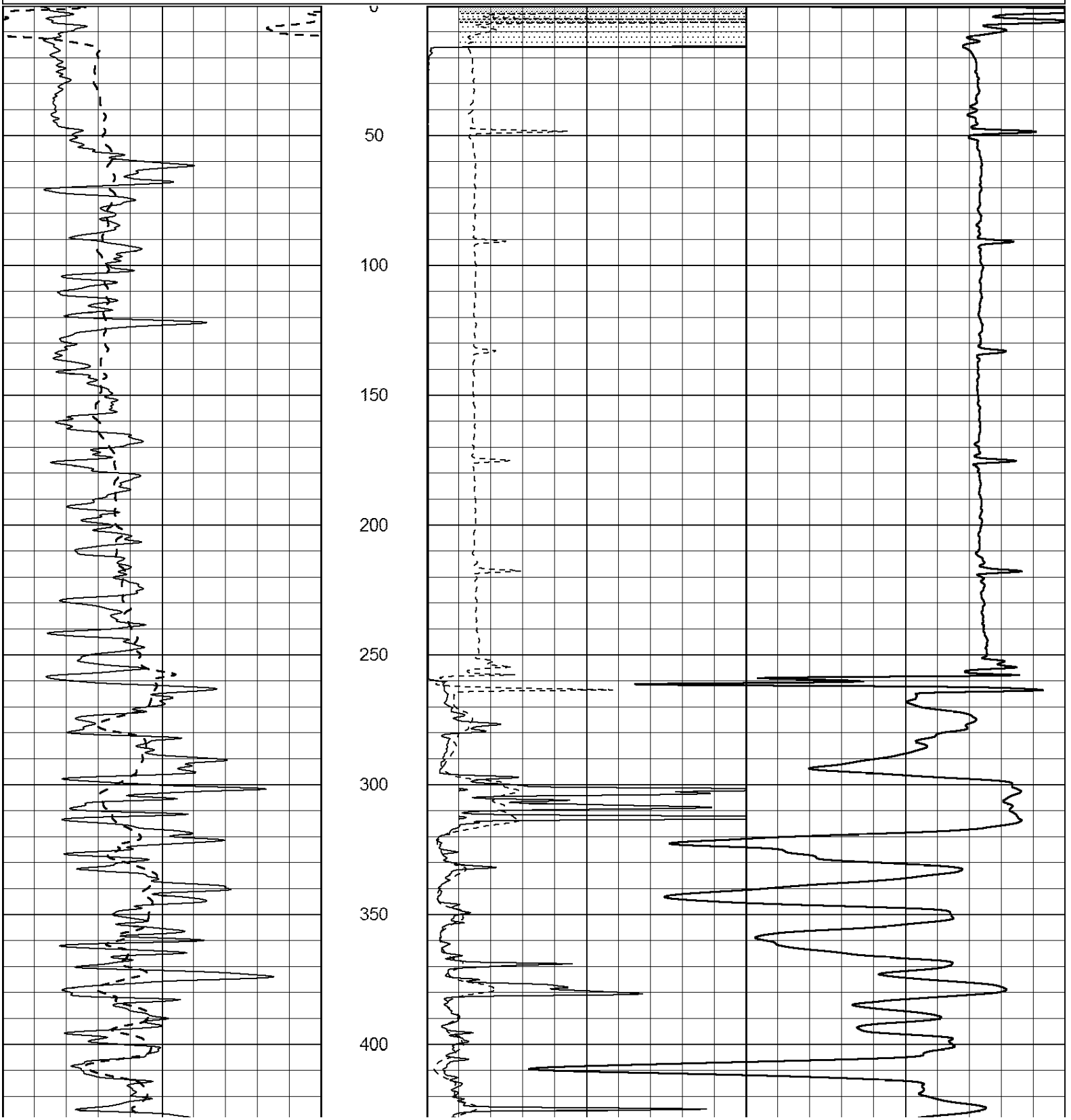
DIRECTIONS
HAVERHILL RD IN EL DORADO, NORTH OVER
TURNPIKE 3/4 NORTH, EAST INTO.

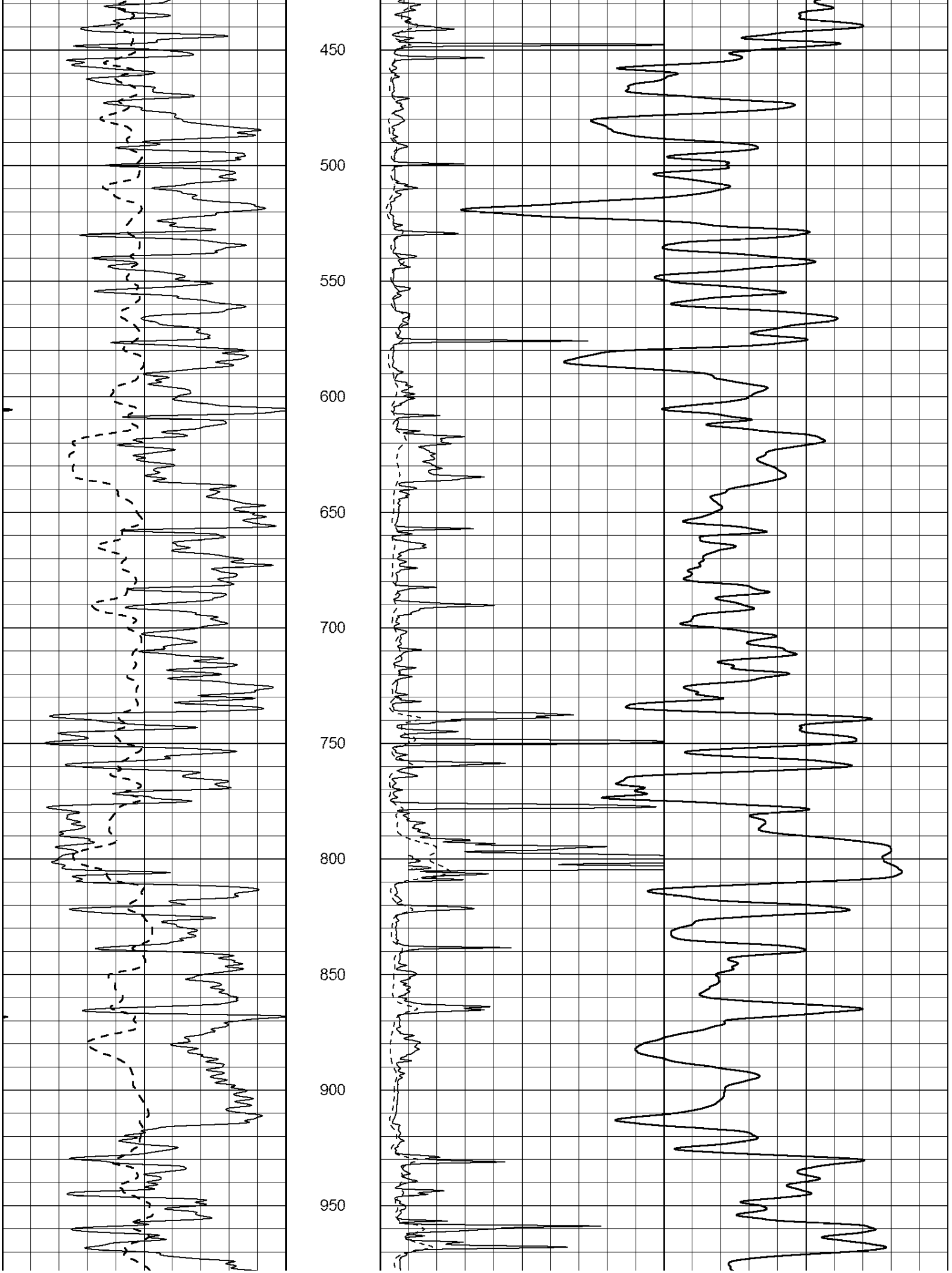
MAIN PASS

Database File: 1815pe.db
Dataset Pathname: pass3.1
Presentation Format: _dil2
Dataset Creation: Sun Aug 27 18:42:40 2017 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	RILD (Ohm-m)	50
1000	CILD (mmho/m)	0
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

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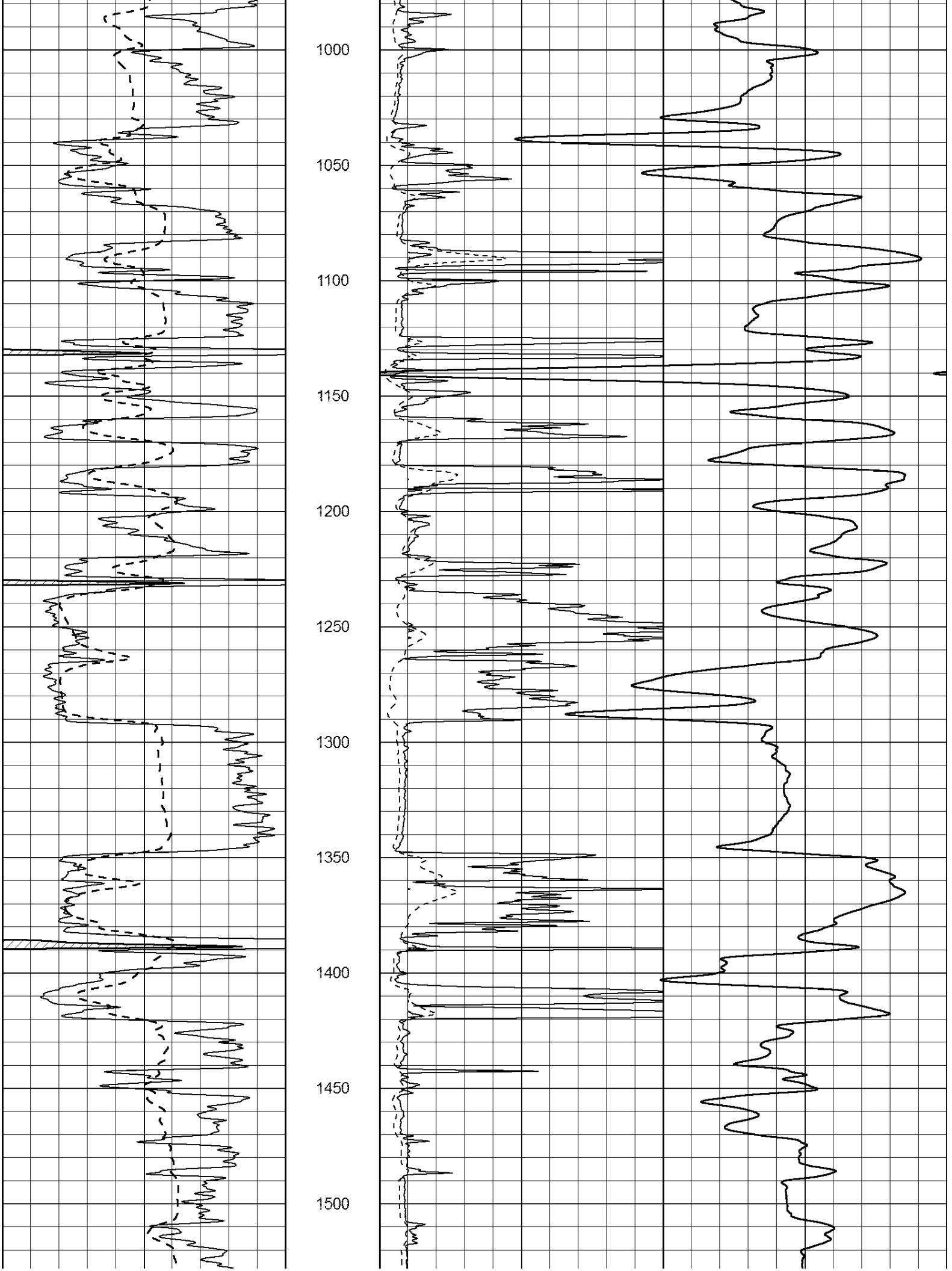
950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1300
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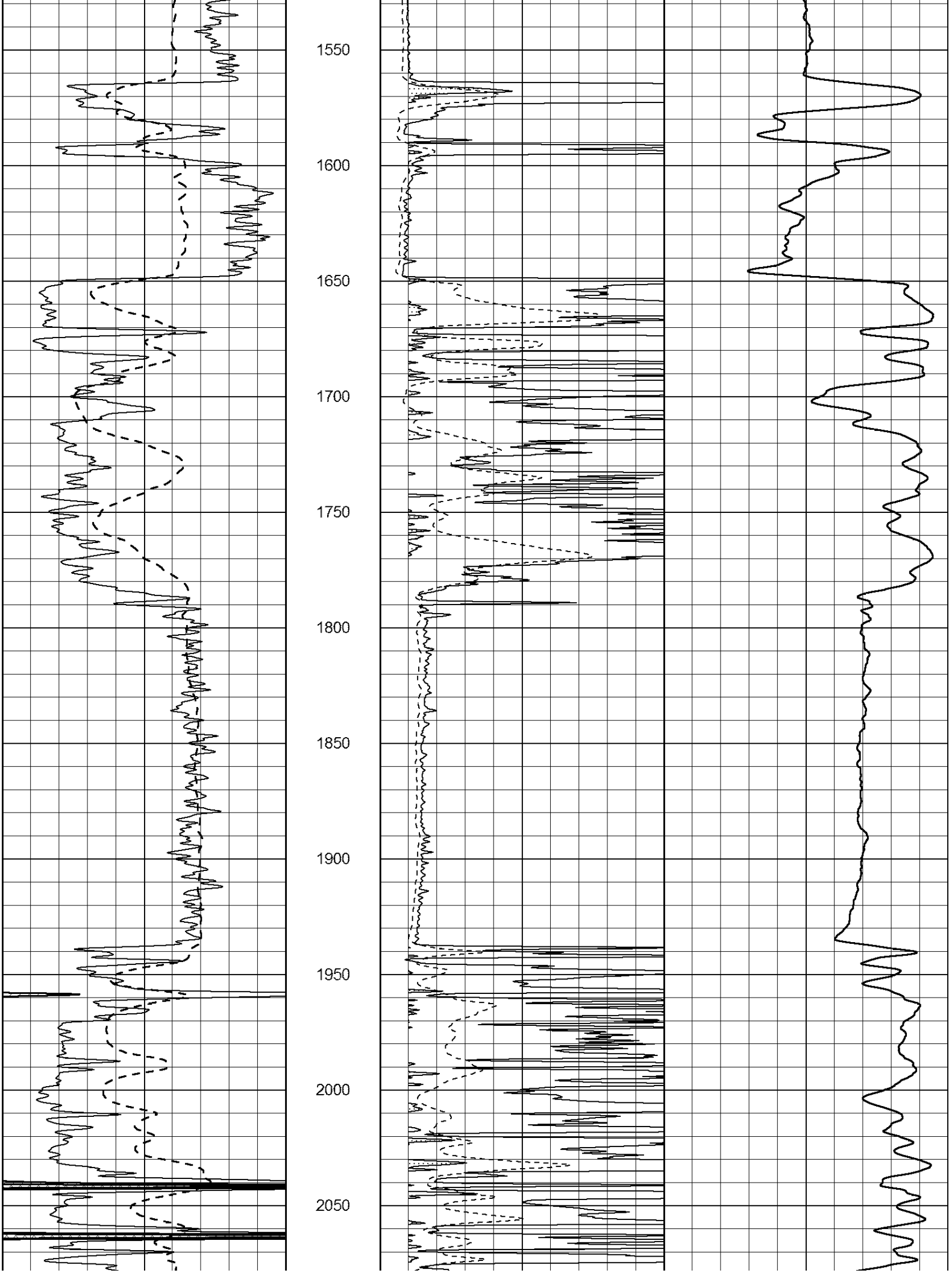
1450
1500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1800
1850
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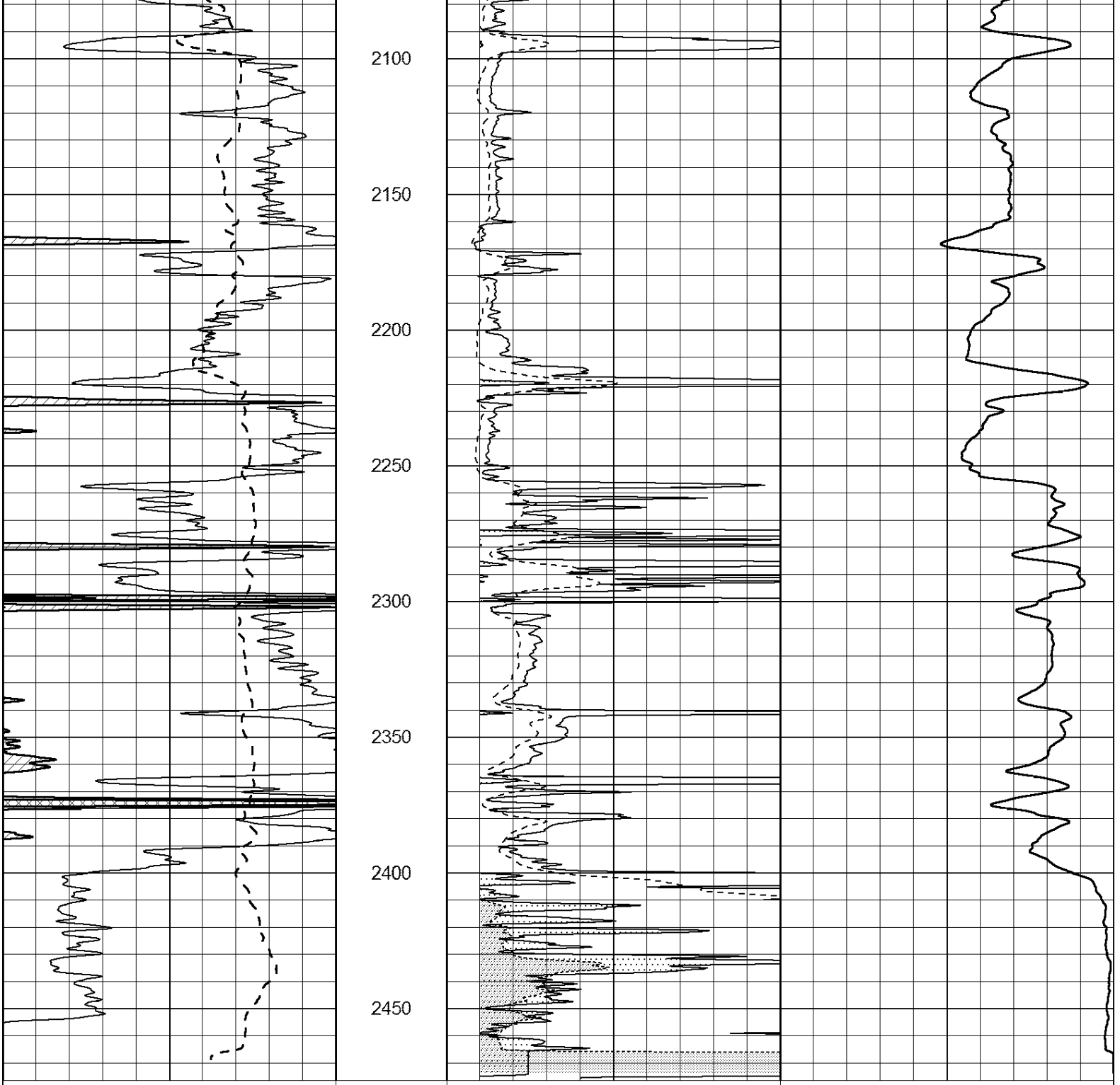
1950
2000
2050



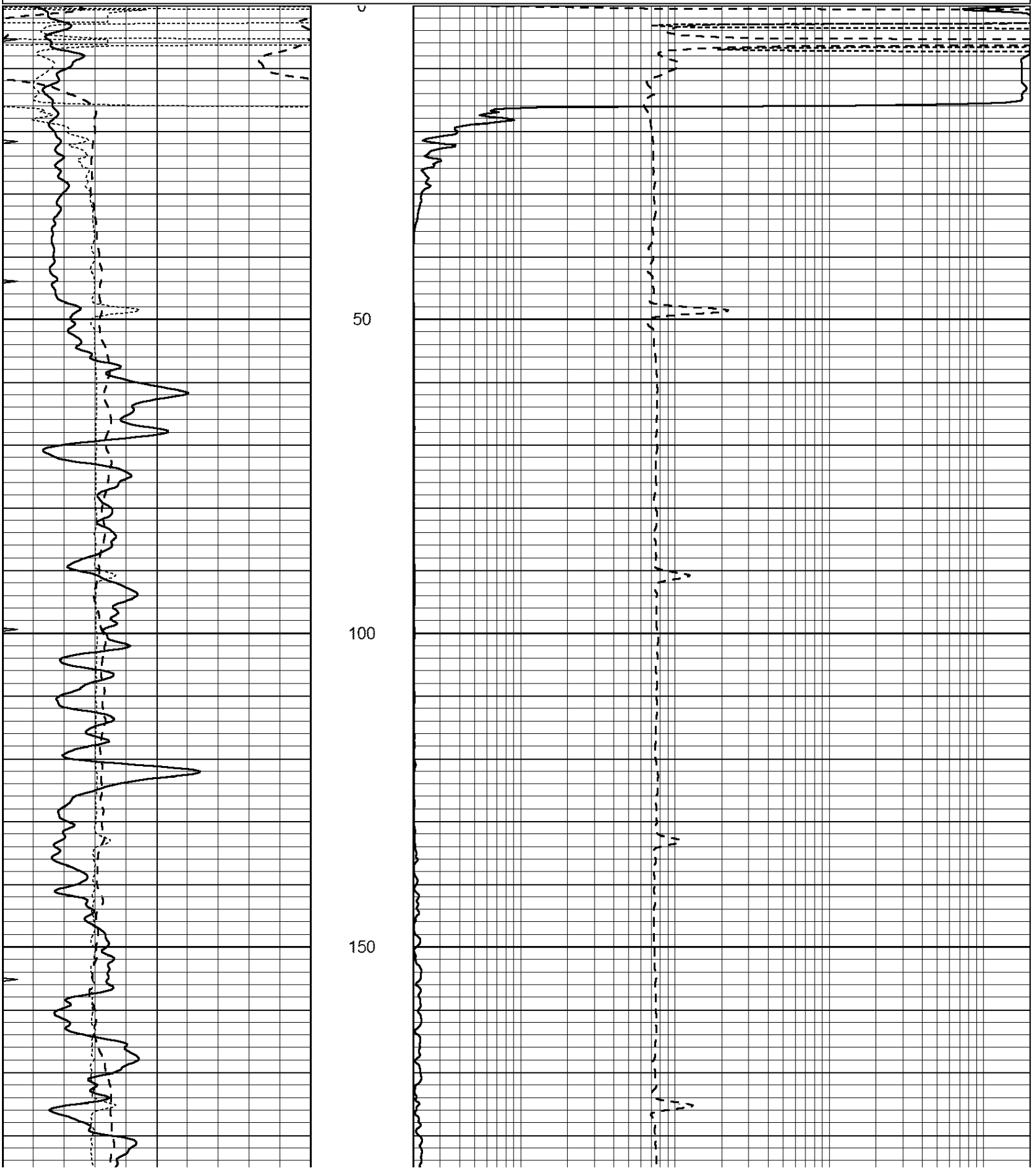
MAIN PASS

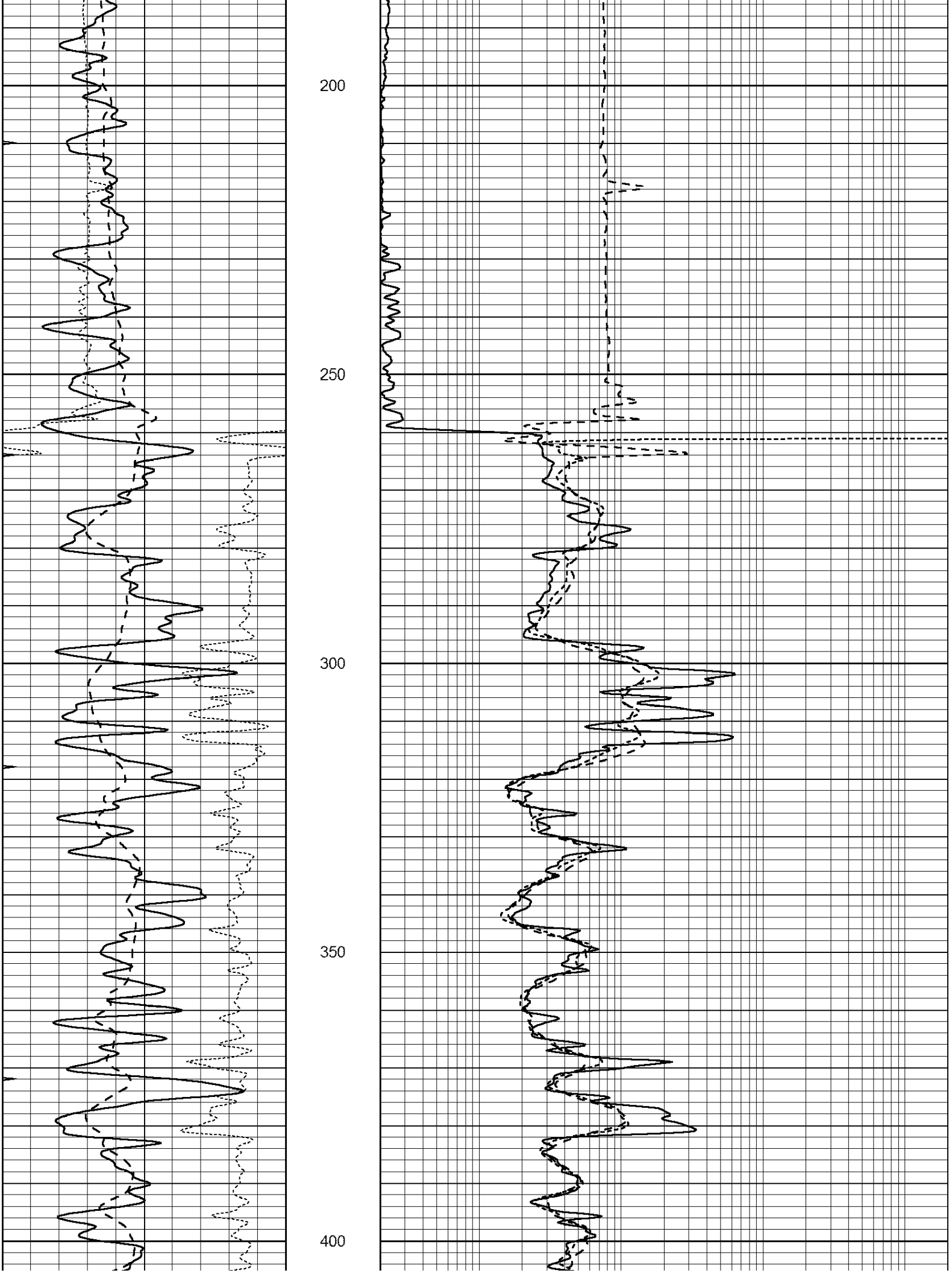
Database File: 1815pe.db
Dataset Pathname: pass3.1
Presentation Format: dil

Presentation Format: _all
Dataset Creation: Sun Aug 27 18:42:40 2017 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	MINMK	20

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

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350
400


450
500
550
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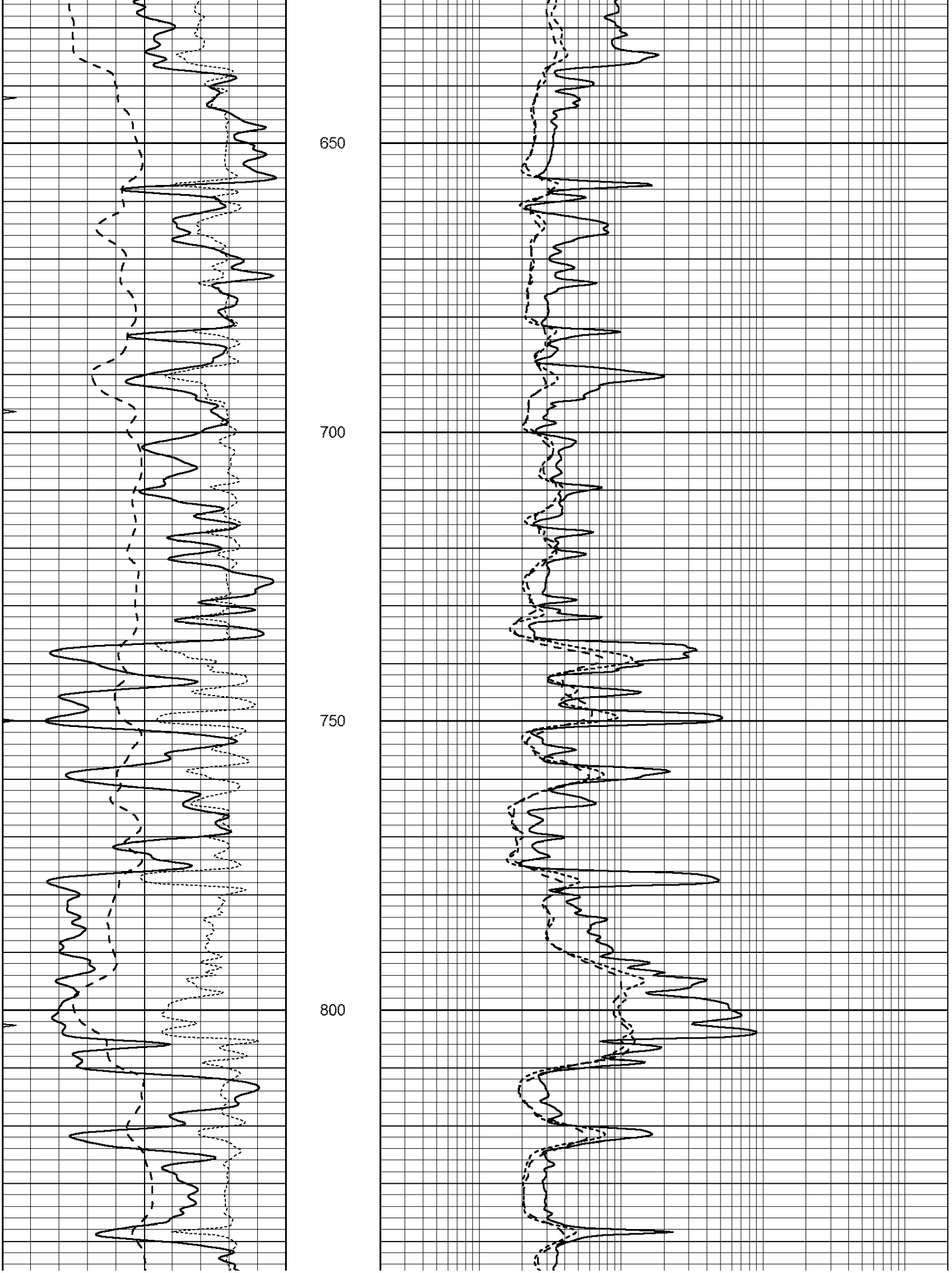
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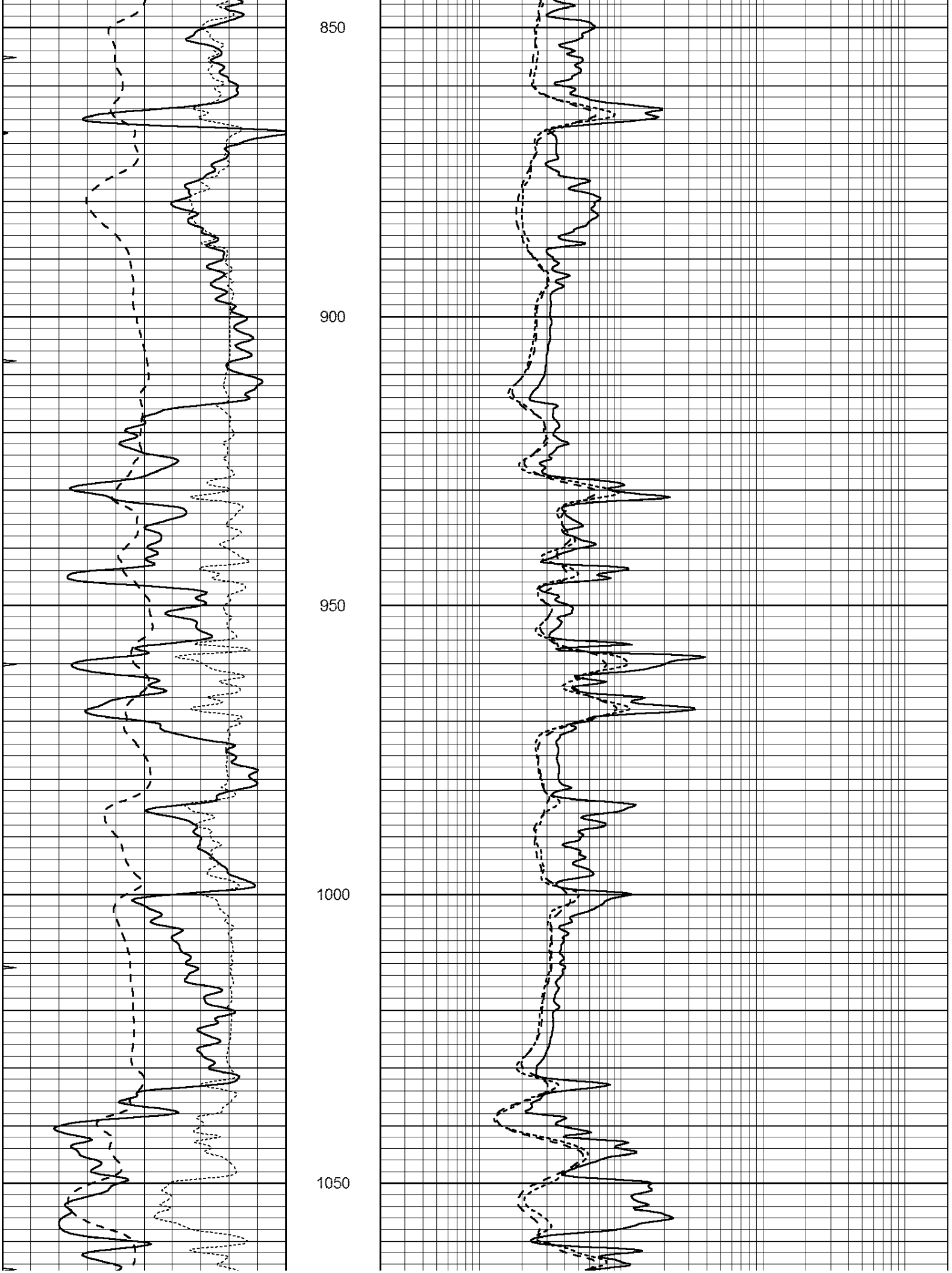
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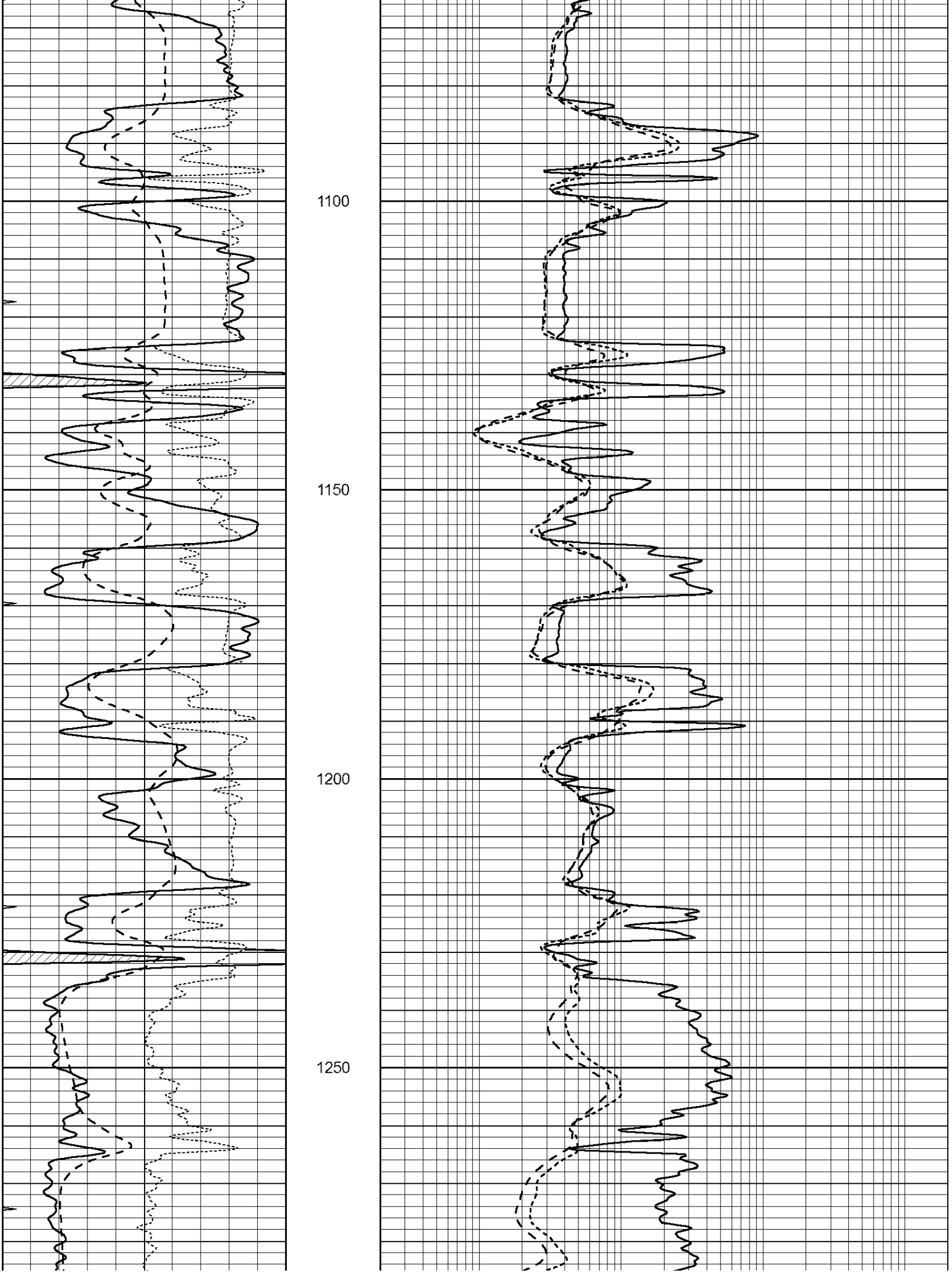
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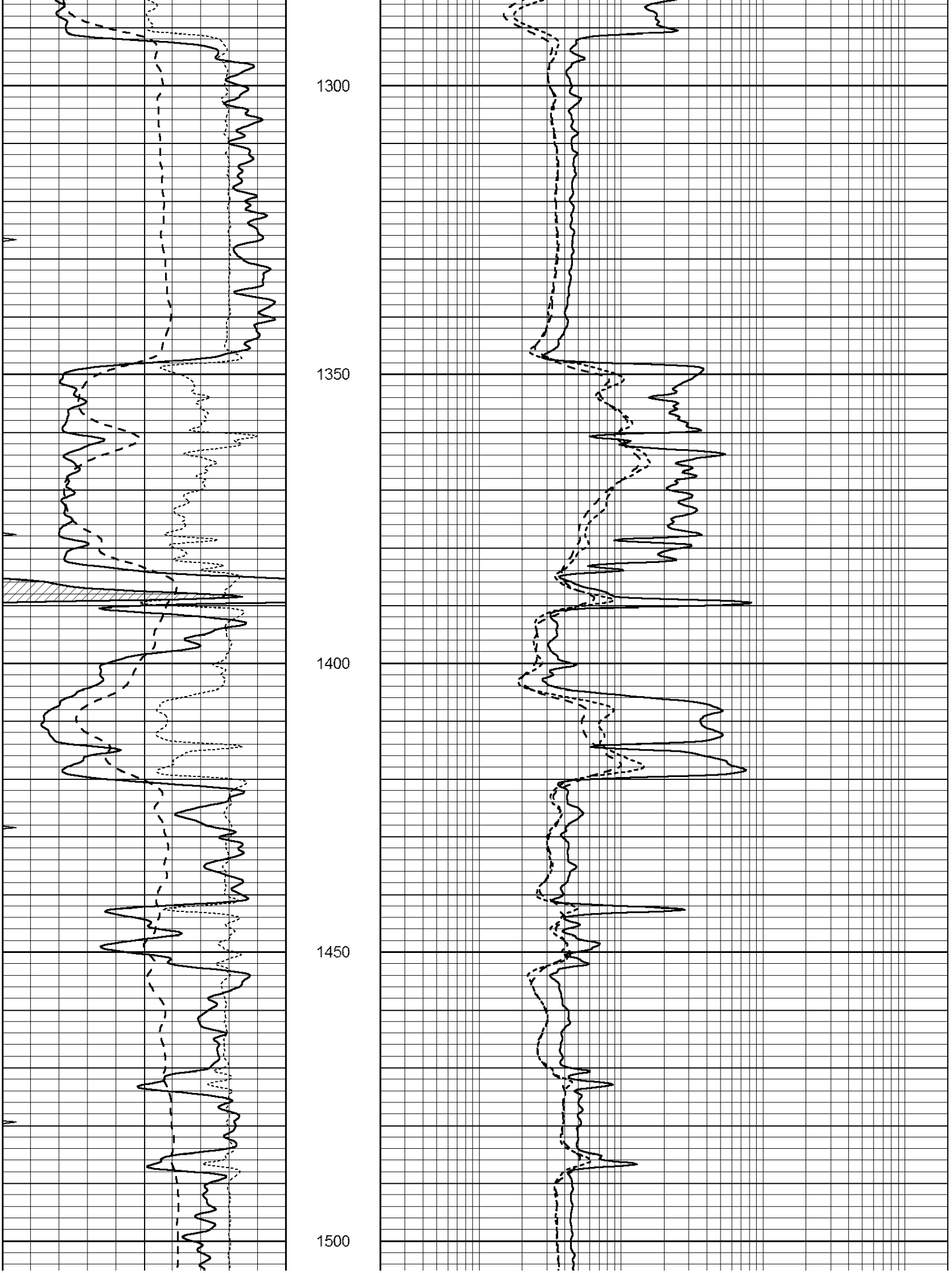
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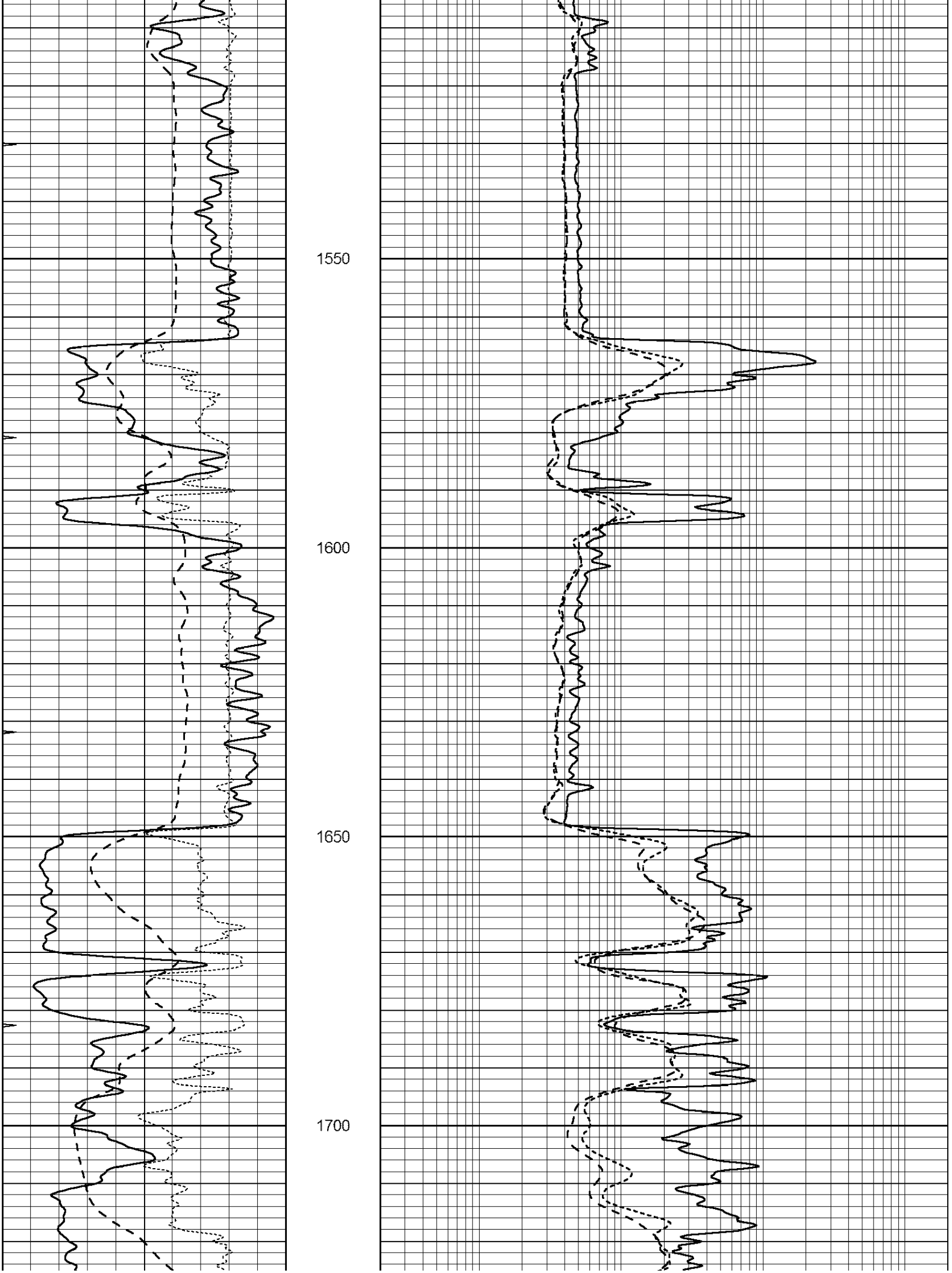
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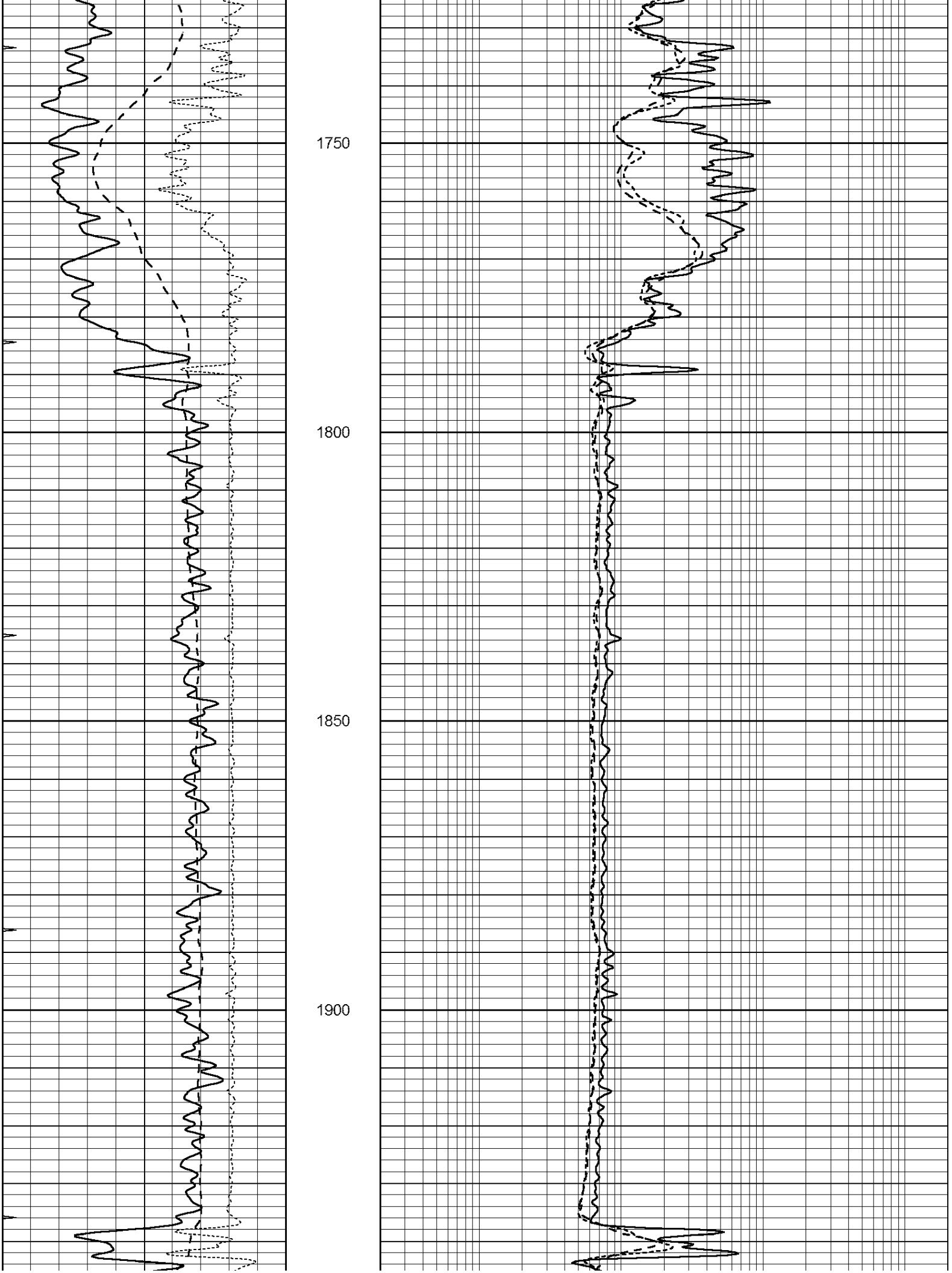
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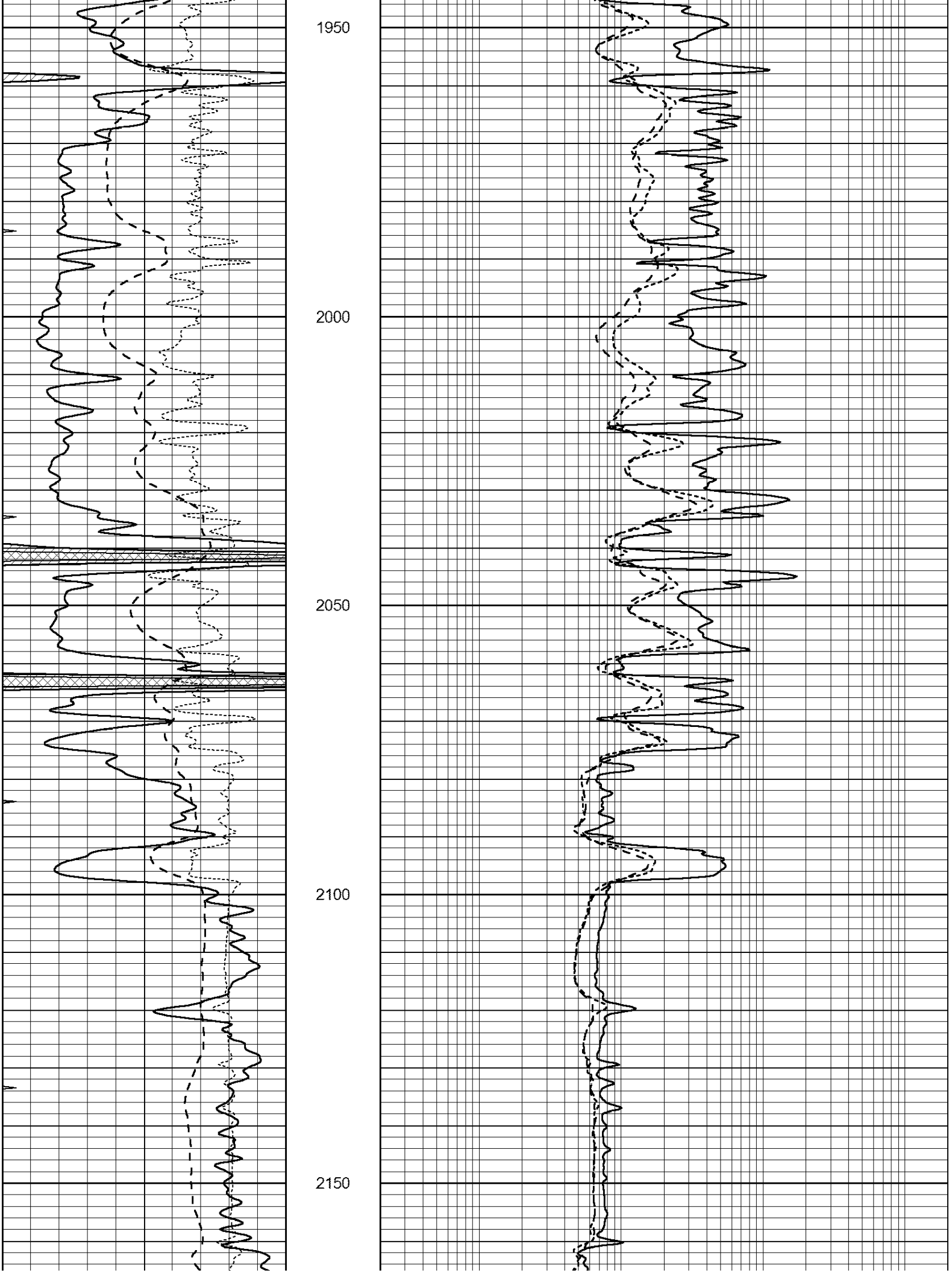
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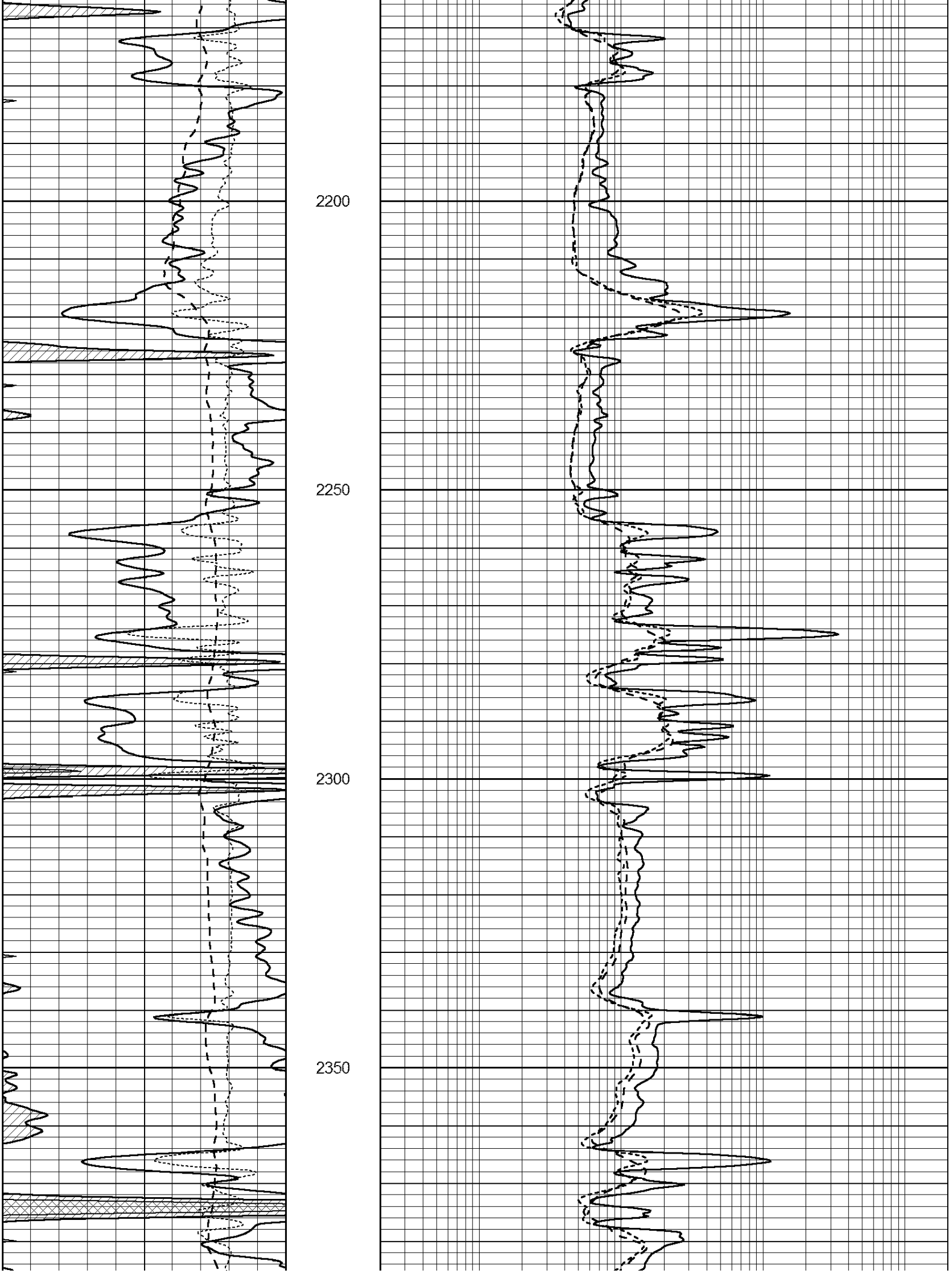
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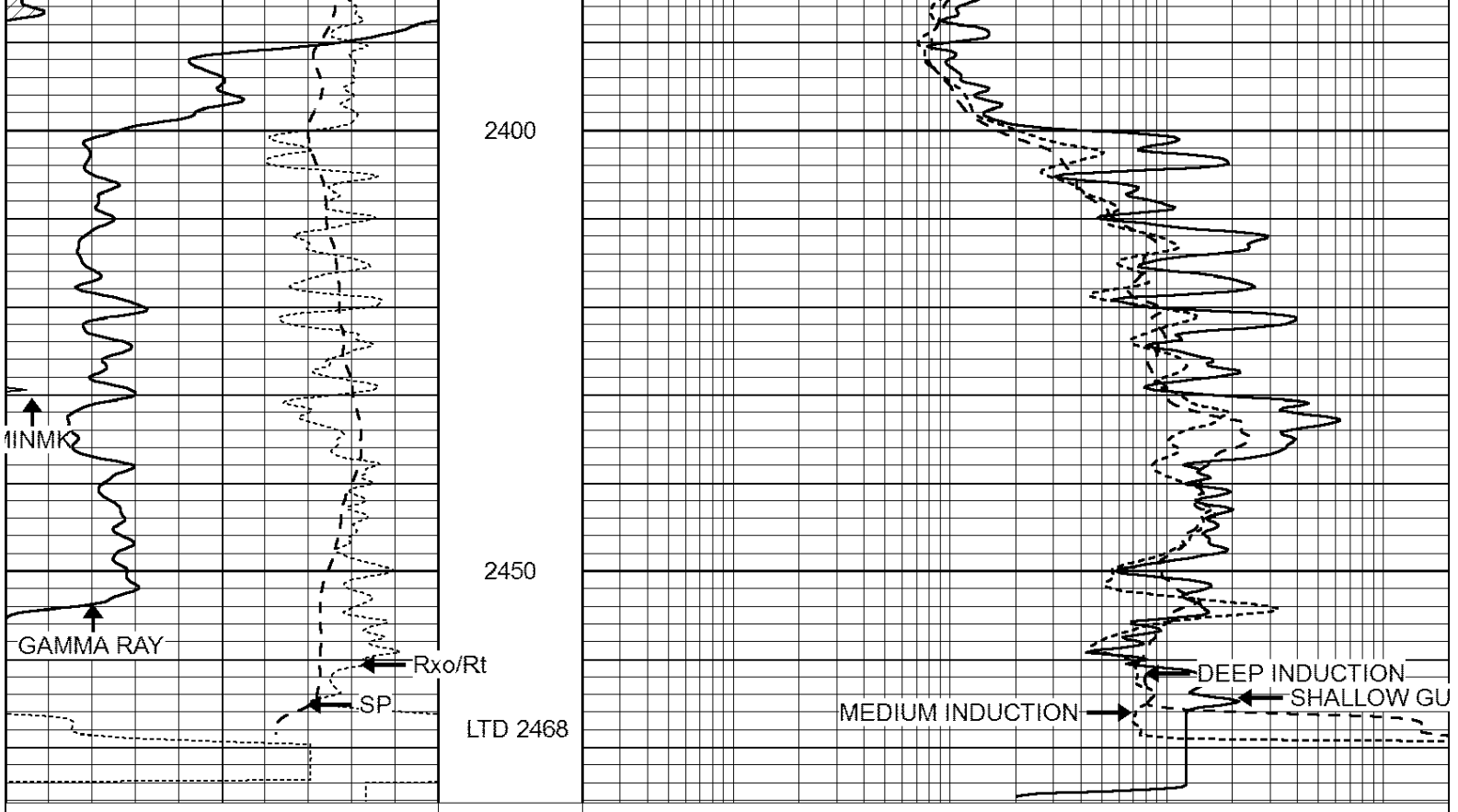
2350



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

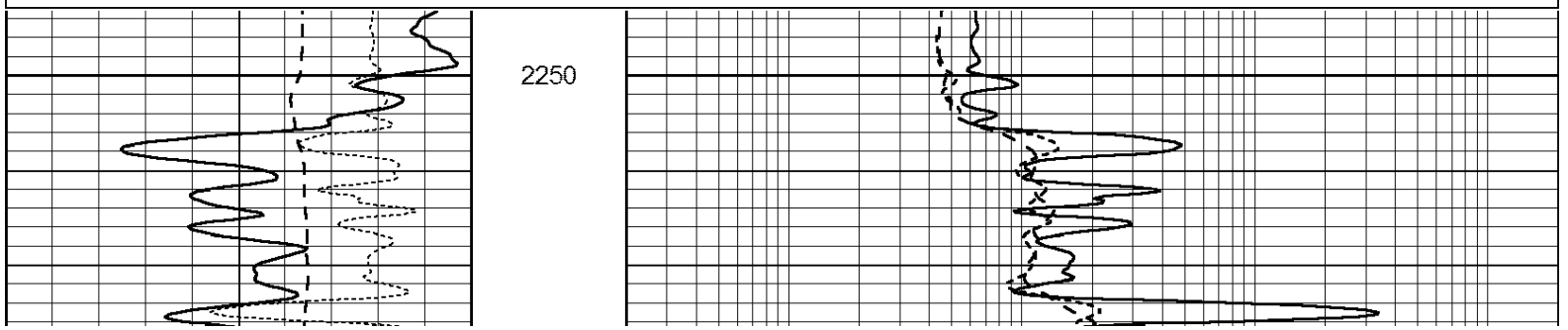
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

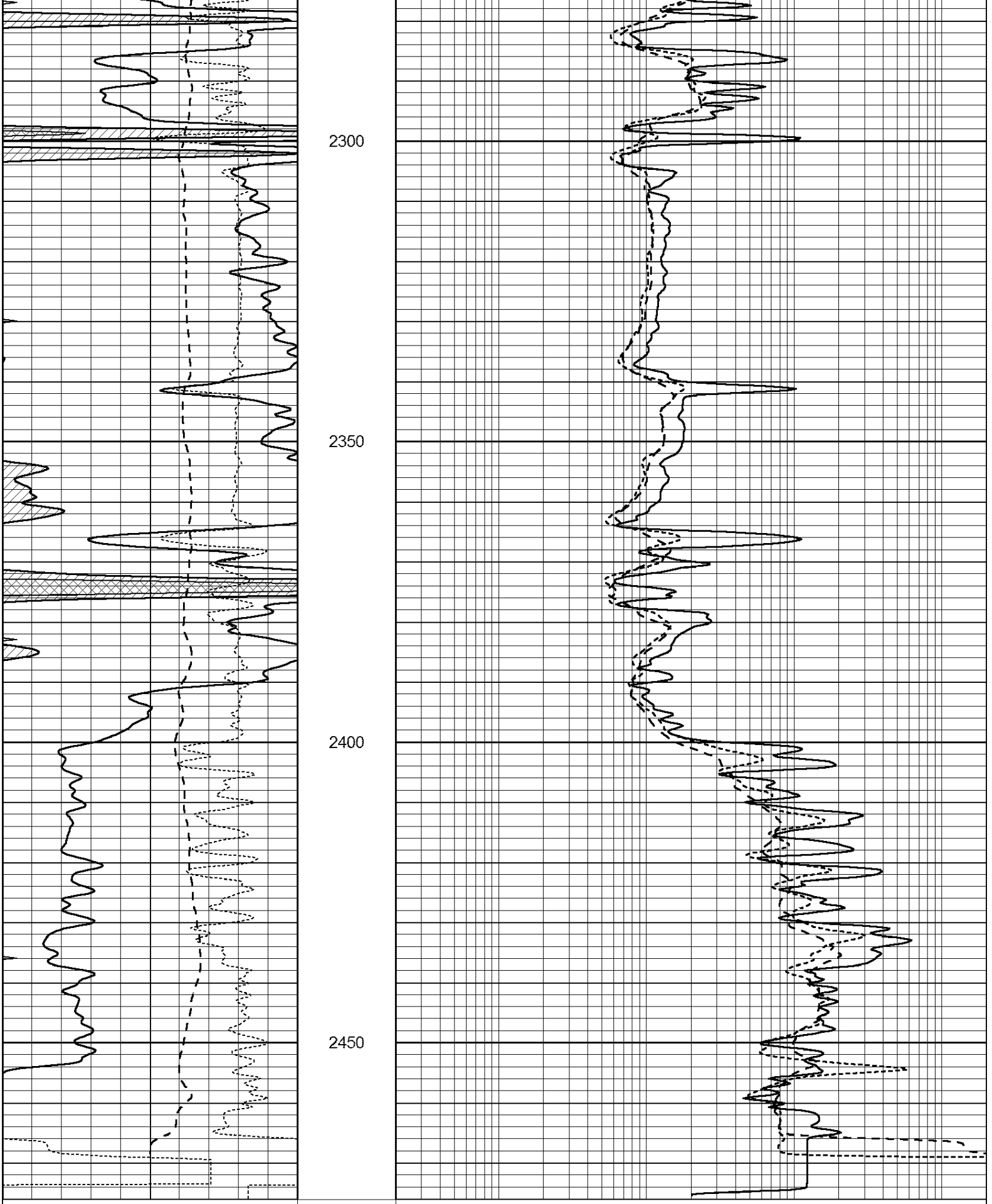
REPEAT SECTION

Database File: 1815pe.db
Dataset Pathname: pass2.1
Presentation Format: _dil
Dataset Creation: Sun Aug 27 17:51:51 2017 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	MINMK	20

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





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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

Calibration Report

Database File: 1815pe.db
Dataset Pathname: pass2.1
Dataset Creation: Sun Aug 27 17:51:51 2017 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Mon Aug 21 11:58:18 2017
Downhole Cal Performed:	Mon Aug 21 11:58:21 2017
After Survey Verification Performed:	Mon Aug 21 11:58:23 2017

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	620.000	0.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-12.000
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		

Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Wed Aug 16 17:13:40 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3800	GAPI/cps