SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

RADIATION GUARD LOG

Company PALOMINO PETROLEUM, INC.
Well FELZIEN #1
Field
County NESS
State KANSAS

Location: API # : 15-135-25265

2294' FNL & 1046' FEL

SEC 35 TWP 19S RGE 25W

Other Services

Permanent Datum	GROUND LEVEL	Elevation	2386
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 2391
D.F.
G.L. 2386

Date	6-14-11		
Run Number	ONE		
Depth Driller	4680		
Depth Logger	4679		
Bottom Logged Interval	4678		
Top Log Interval	00		
Casing Driller	858		
Casing Logger	858		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.5 / 68		
pH / Fluid Loss	8.5 / 11.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.80 @ 92F		
Rmf @ Meas. Temp	0.60 @ 92F		
Rmc @ Meas. Temp	0.96 @ 92F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.600 @ 121F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	8:45 P.M.		
Maximum Recorded Temperature	121F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	NICK GERSTNER		

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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.

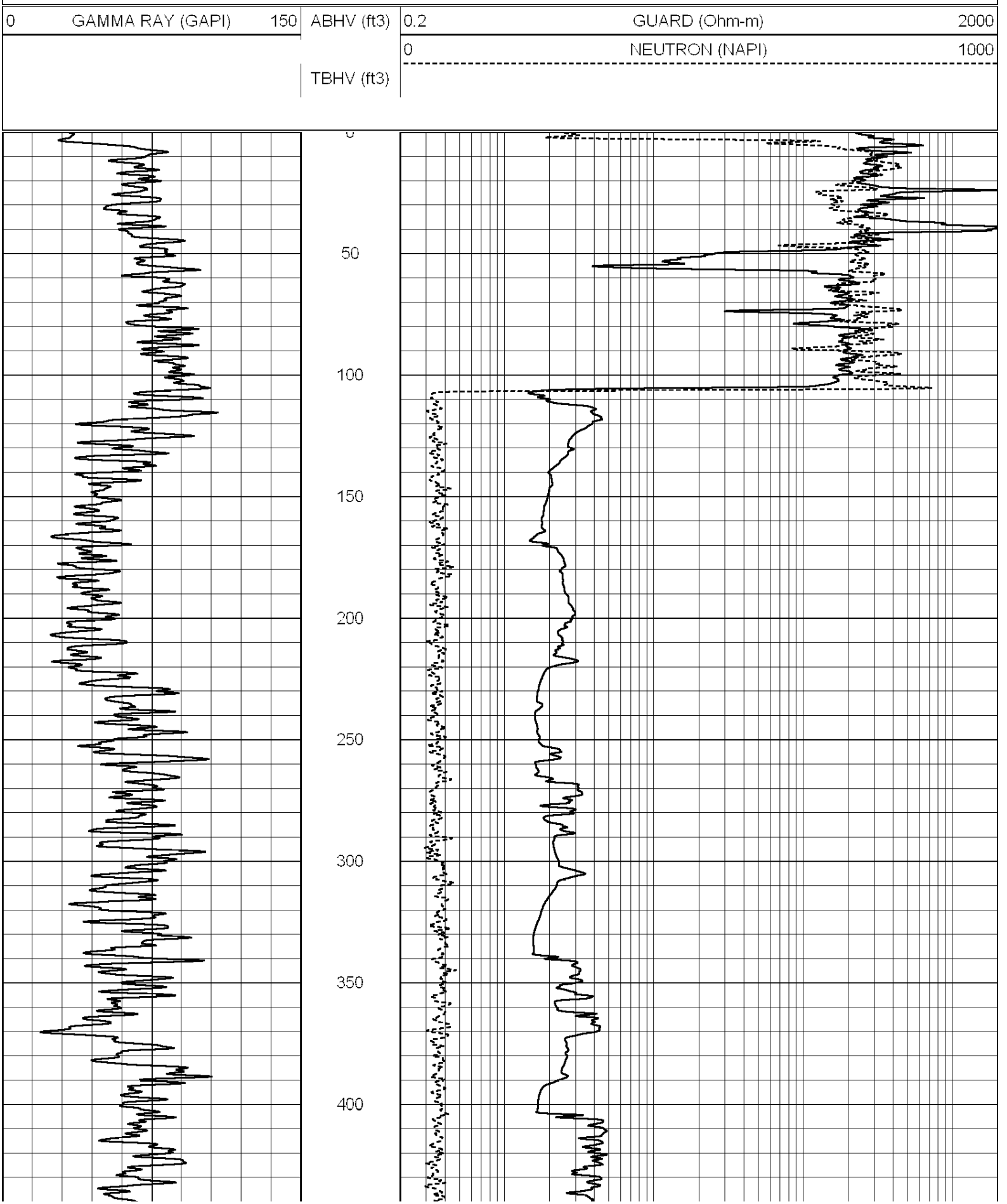
Comments

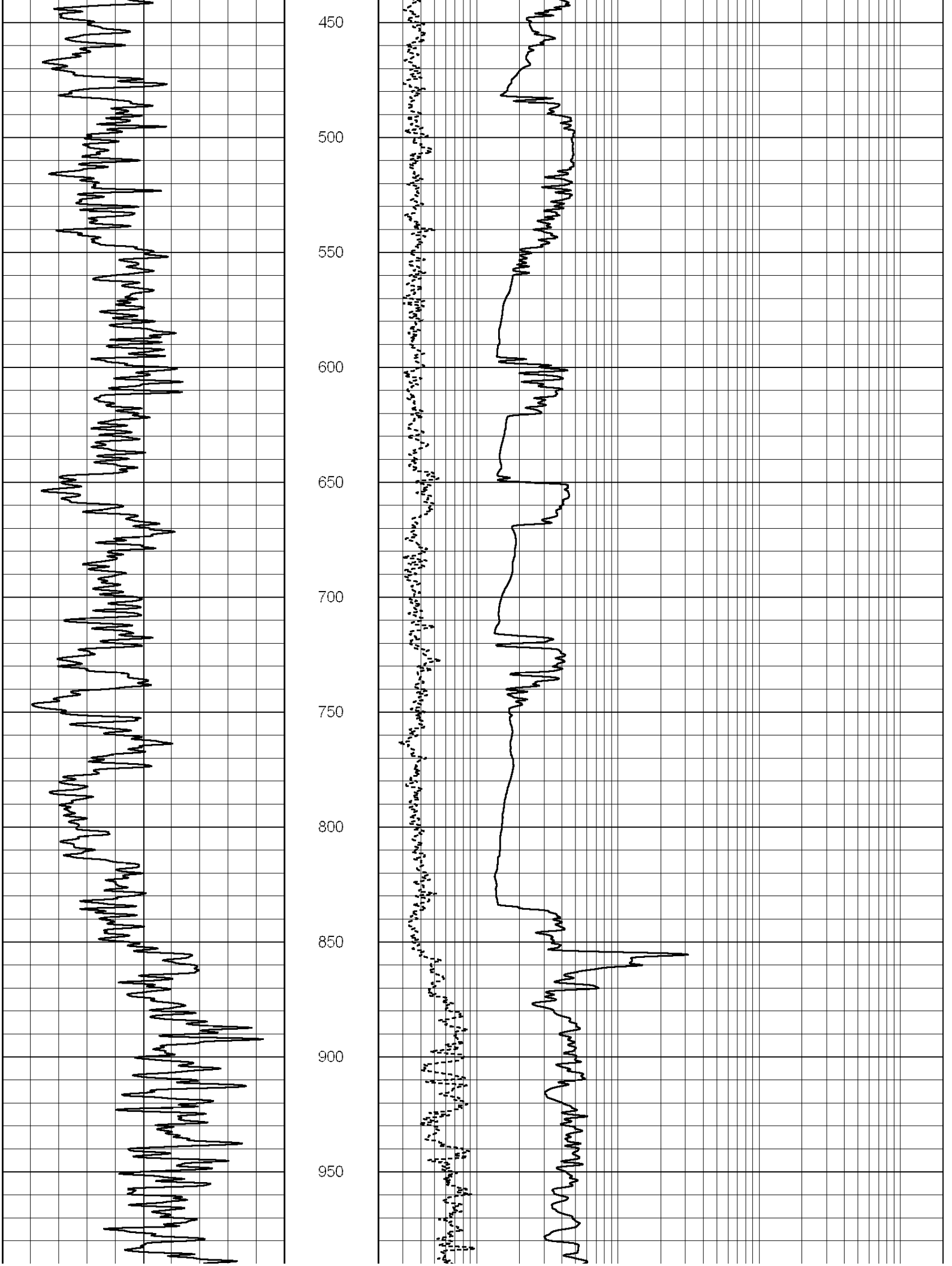
SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: LAIRD W TO RD. "J", 6S, 1E, S INTO.

MAIN SECTION

SUPERIOR
Hays, Kansas

Database File: 006578rag.db
Dataset Pathname: pass4.1
Presentation Format: rag2
Dataset Creation: Tue Jun 14 22:16:53 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

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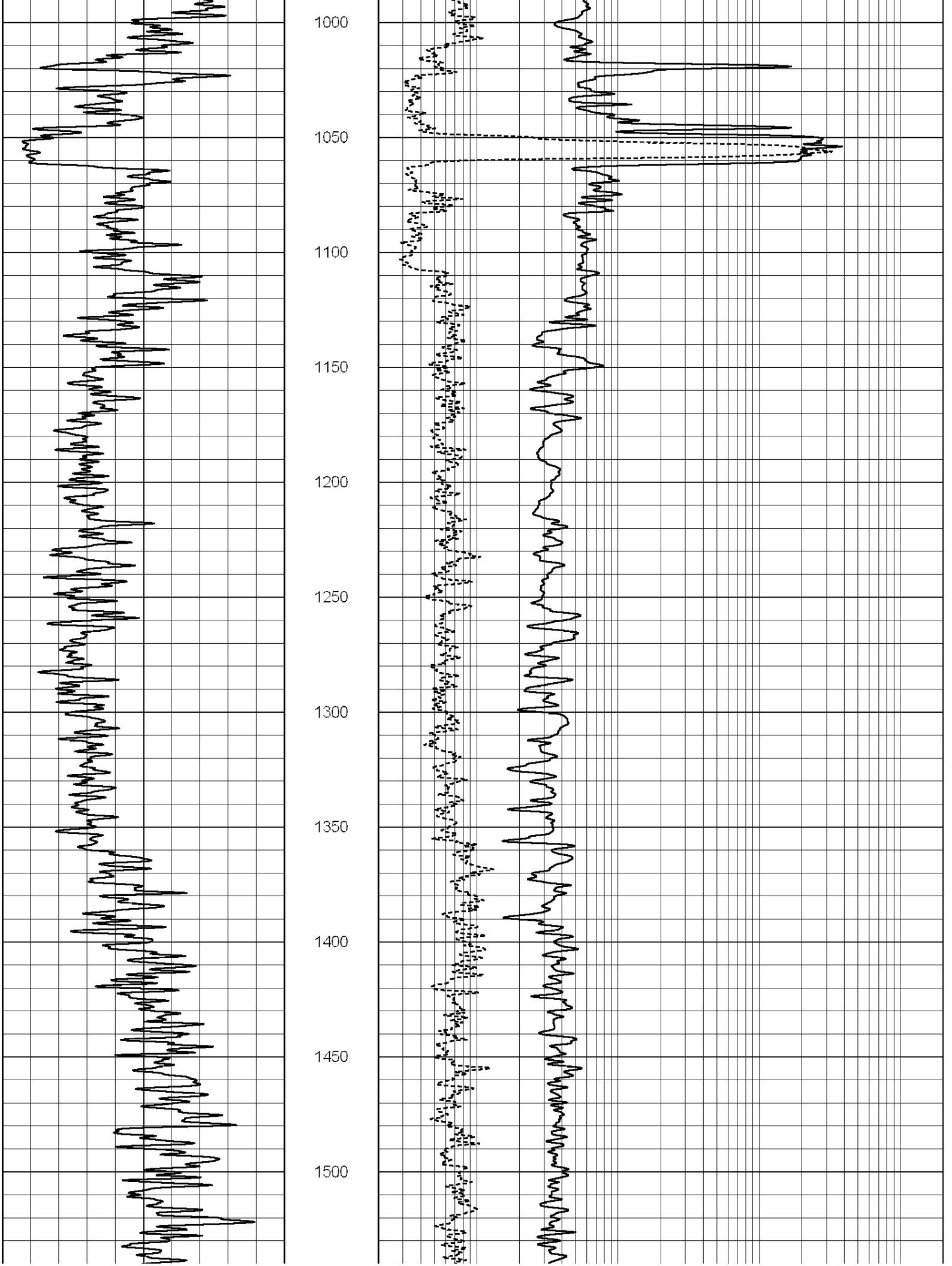
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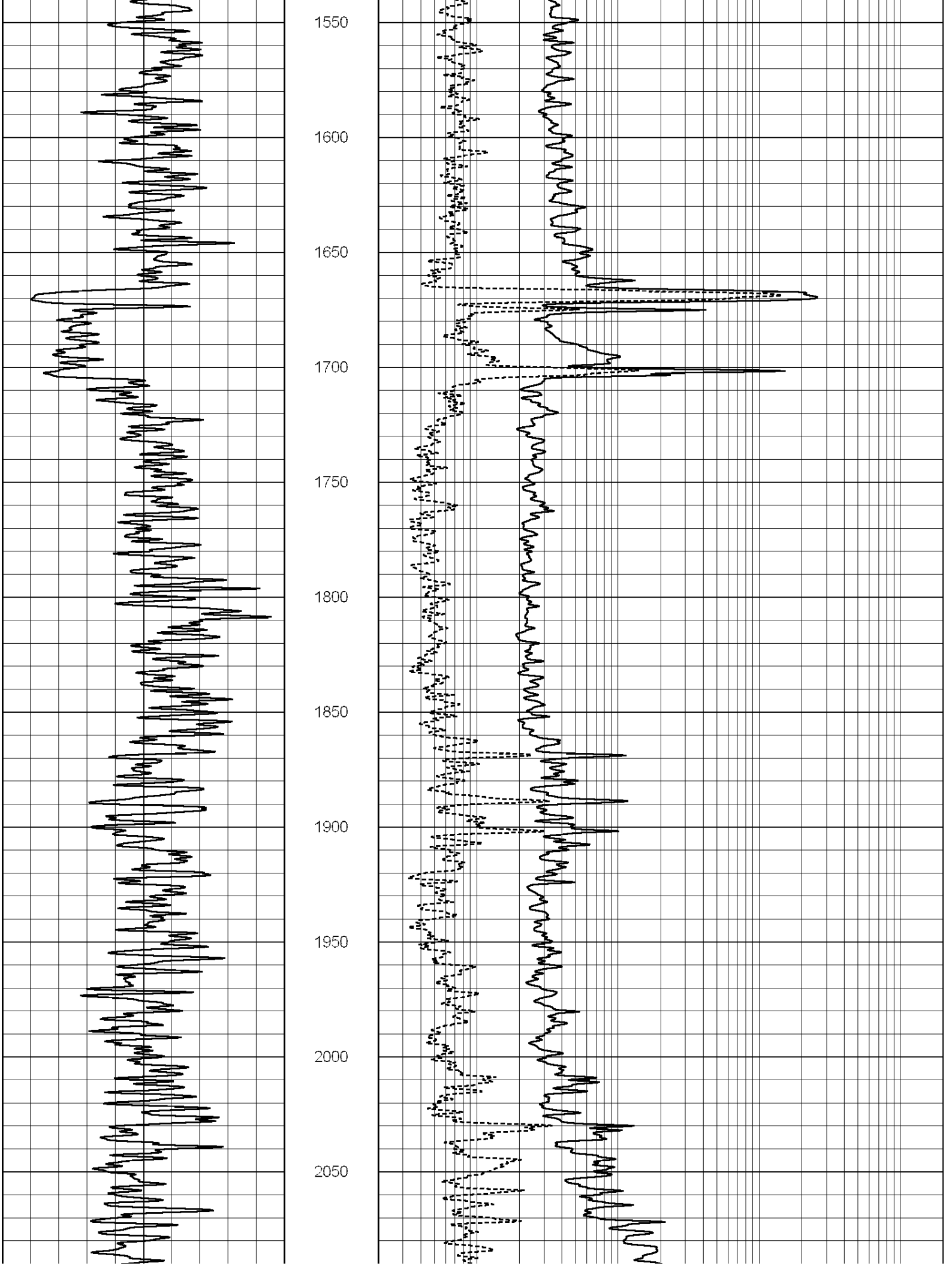
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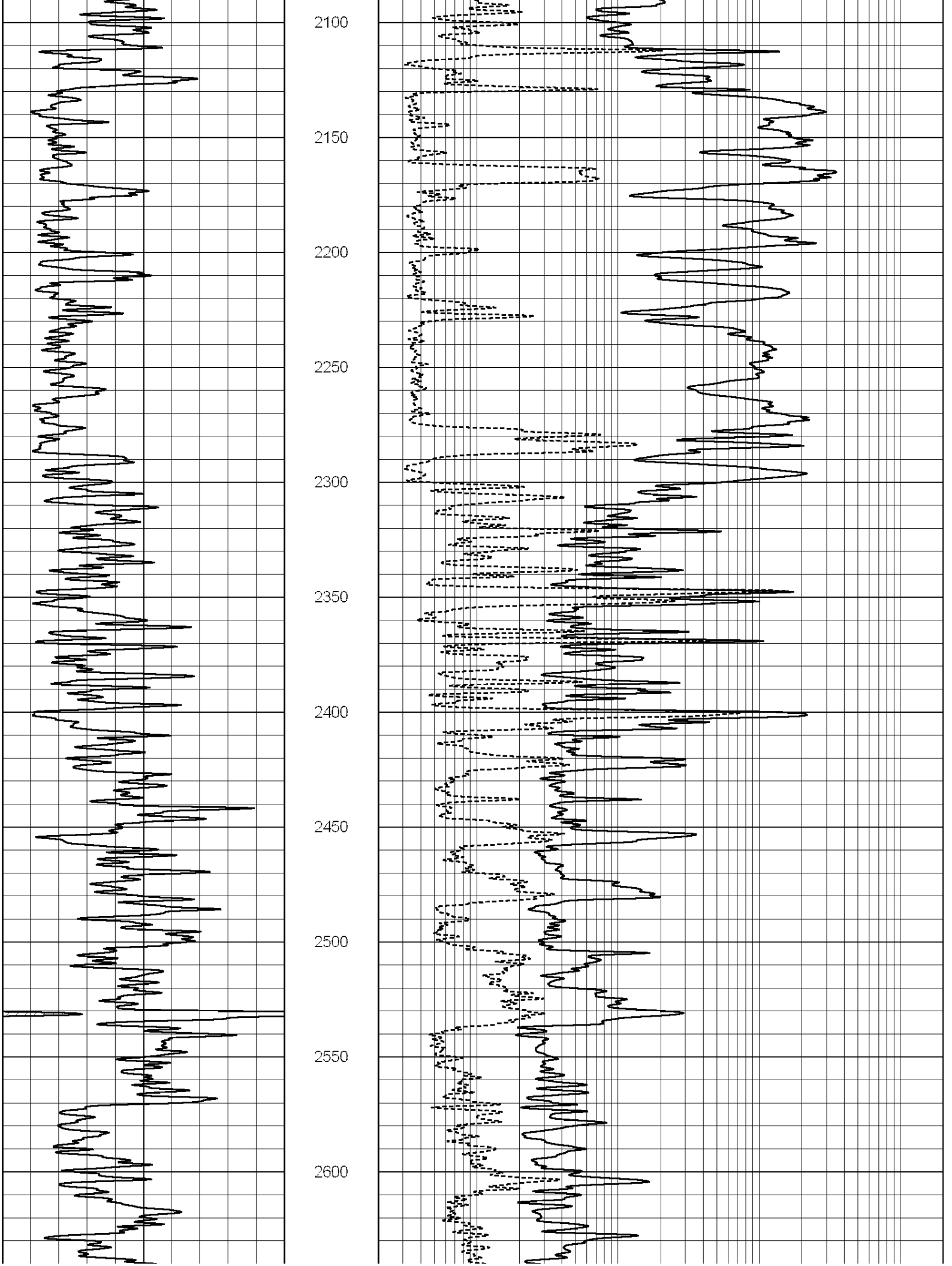
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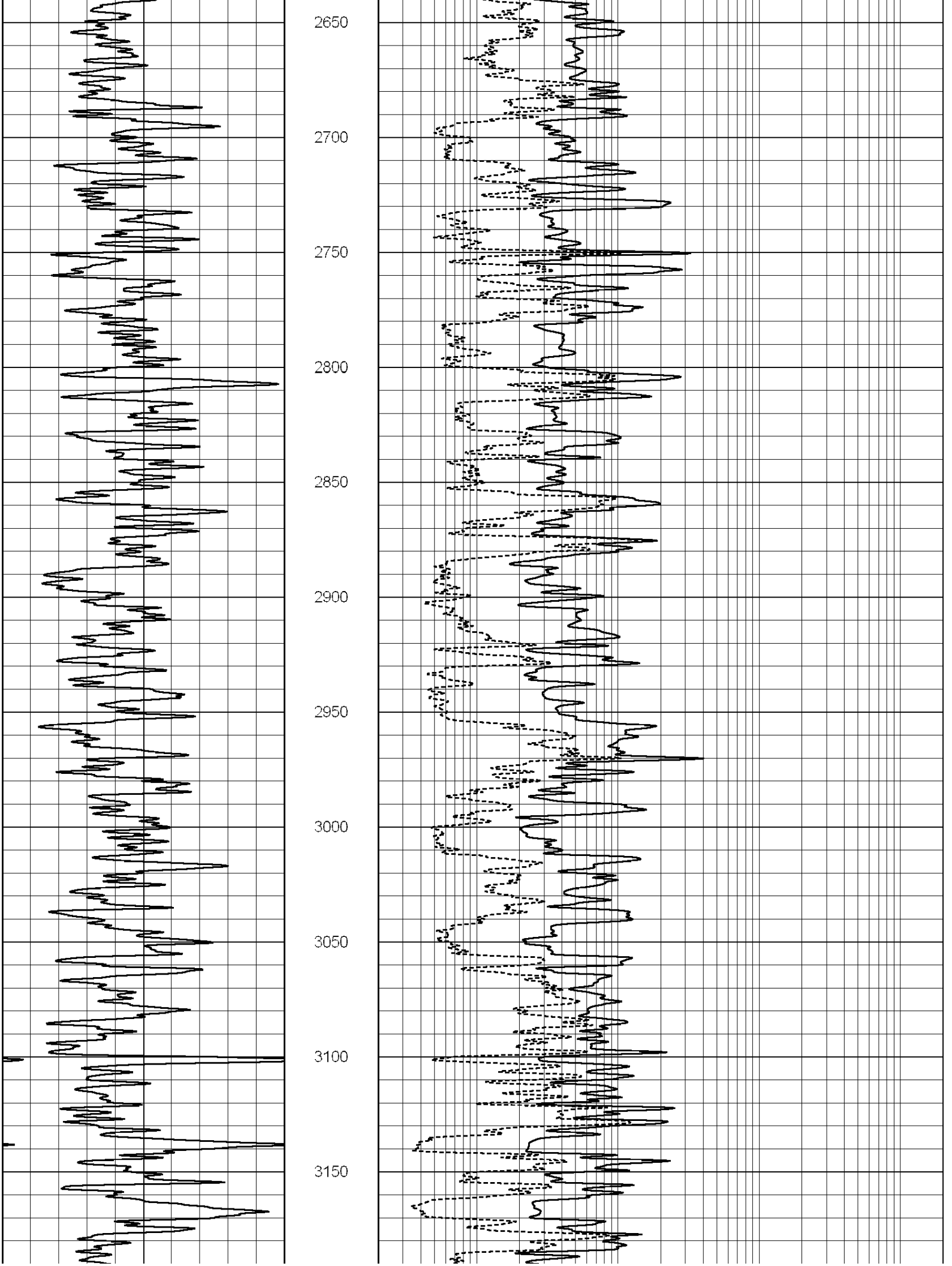
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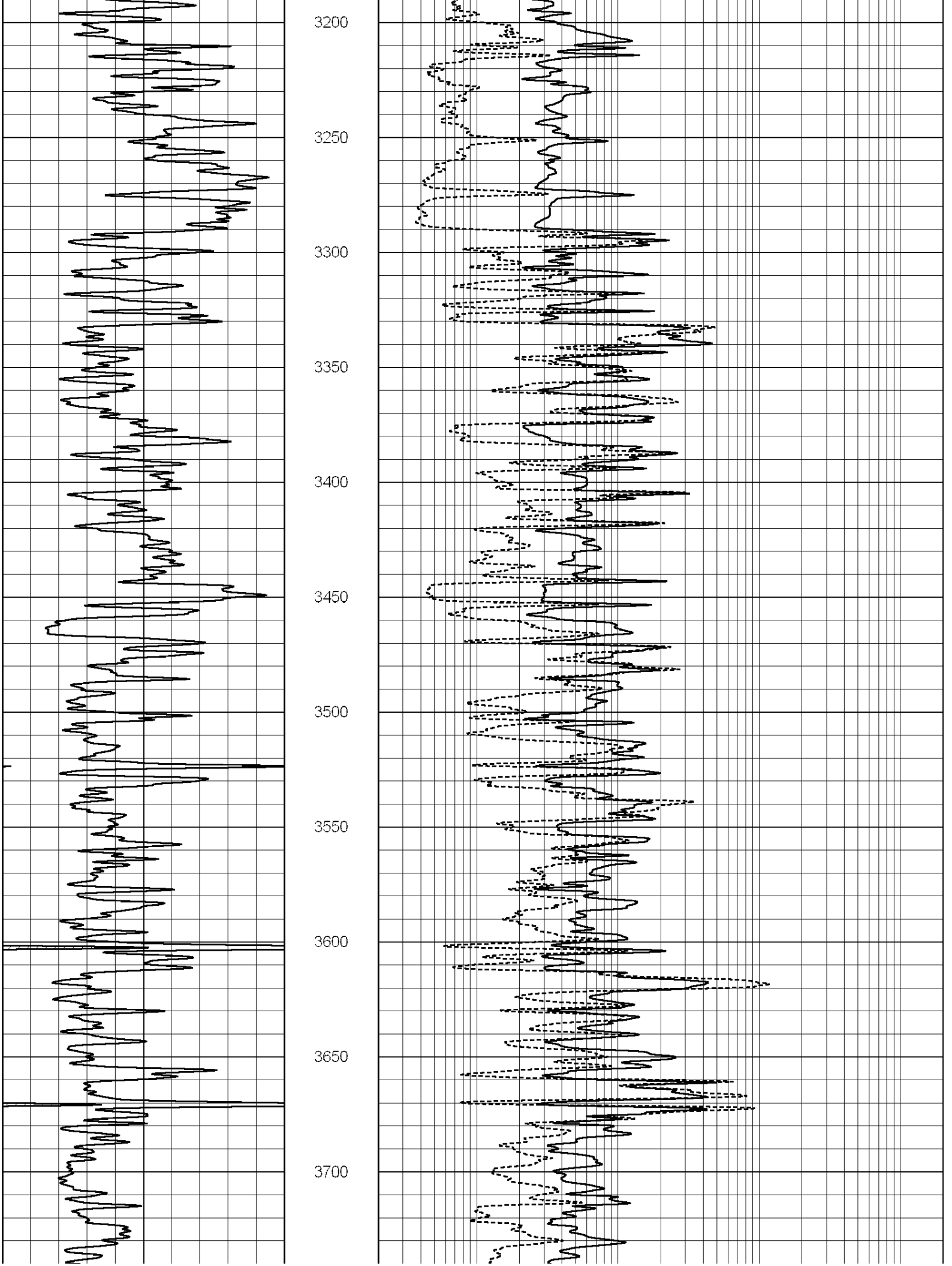
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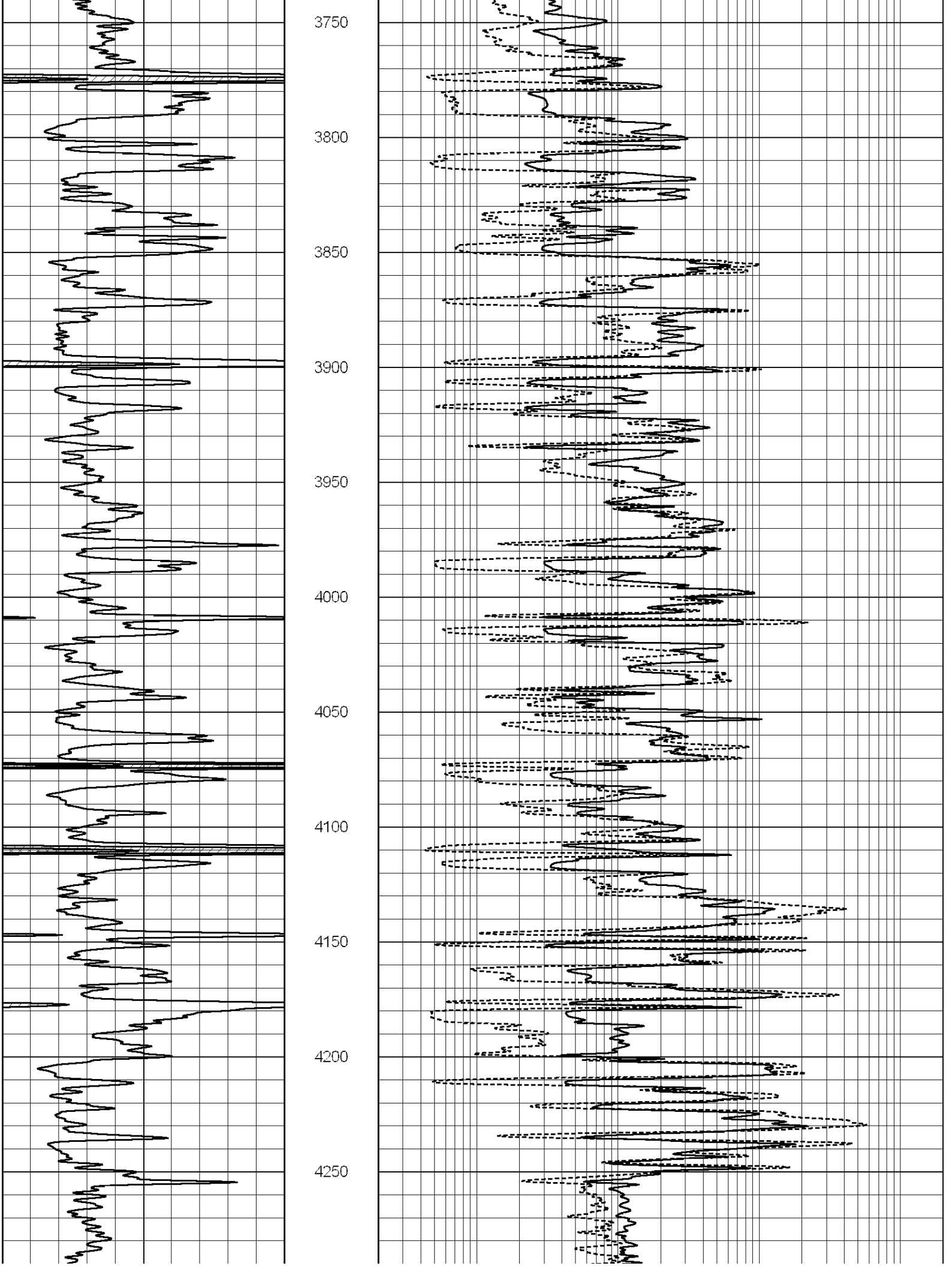
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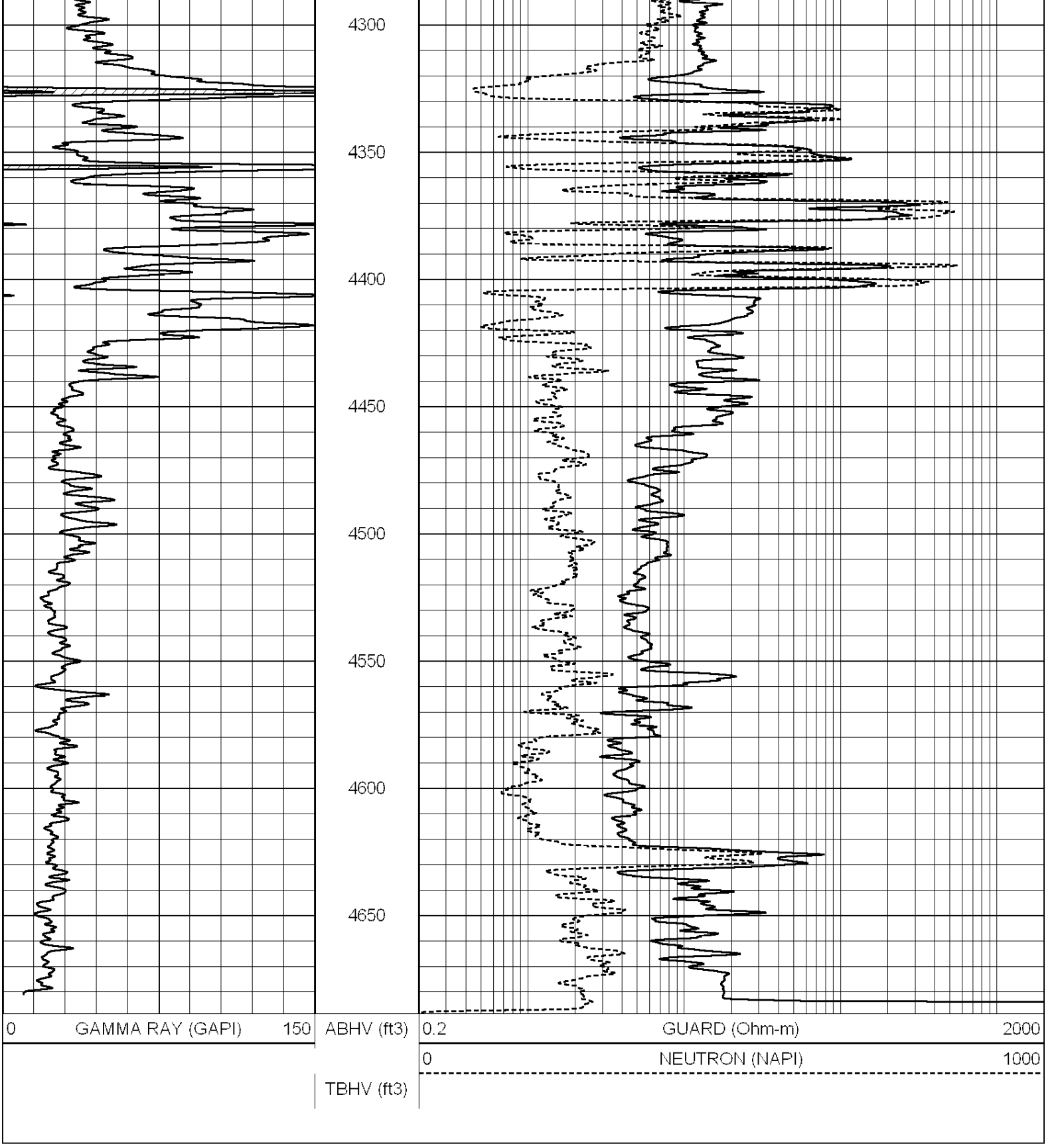


SUPERIOR WELL SERVICES

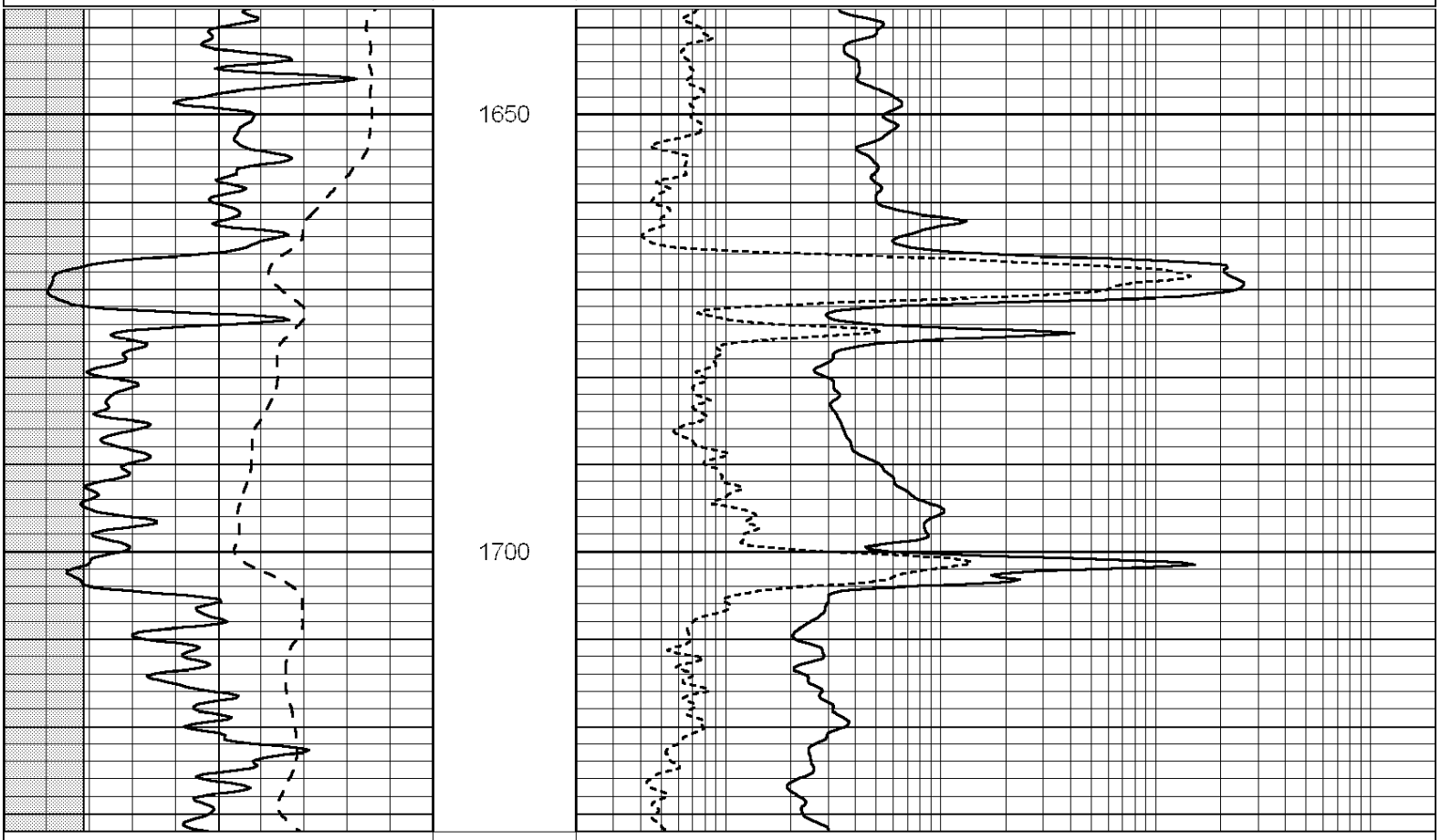
SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File:	006578rag.db
Dataset Pathname:	pass4.1
Presentation Format:	rag
Dataset Creation:	Tue Jun 14 22:16:53 2011 by Calc Open-Cased 090629

Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m) 2000
-100	SP (mV)	100	10 (ft3) 0	0	NEUTRON (NAPI) 1000
6	CALIPER (in)	16	TBHV		
			0 (ft3) 10		



0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m) 2000
-100	SP (mV)	100	10 (ft3) 0	0	NEUTRON (NAPI) 1000
6	CALIPER (in)	16	TBHV		
			0 (ft3) 10		

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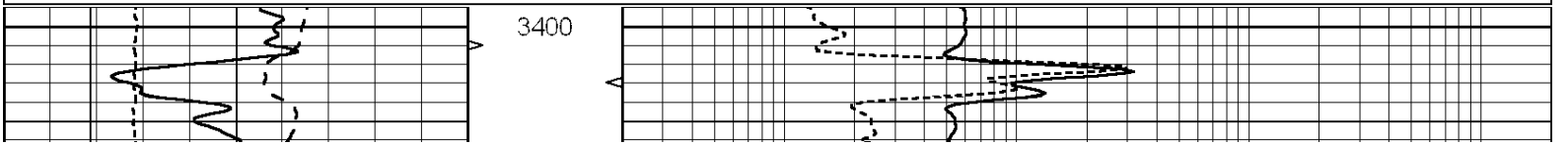
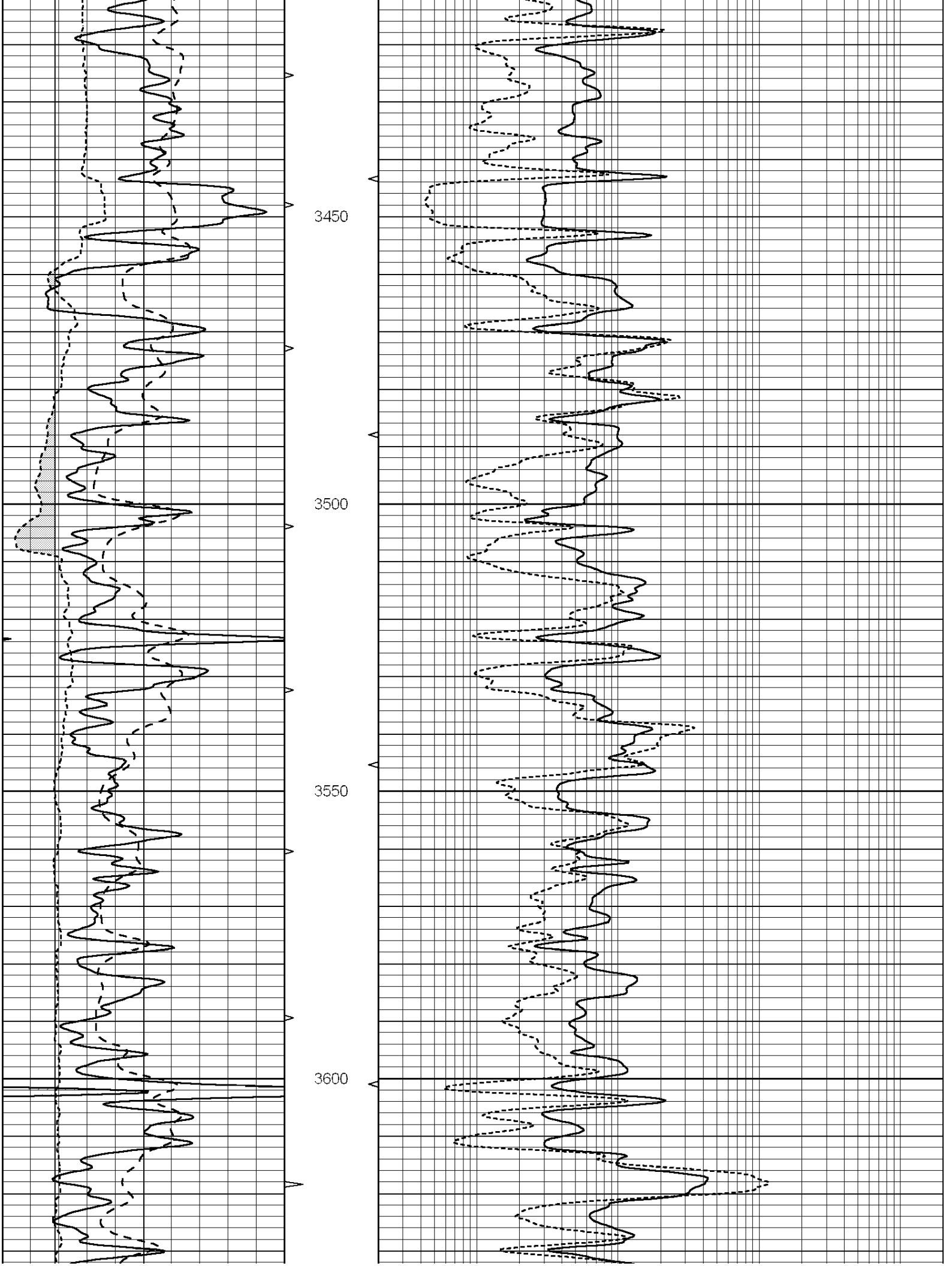
MAIN SECTION

Database File: 006578rag.db
Dataset Pathname: pass4.1
Presentation Format: rag
Dataset Creation: Tue Jun 14 22:16:53 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m) 2000
-100	SP (mV)	100	10 (ft3) 0	0	NEUTRON (NAPI) 1000
6	CALIPER (in)	16	TBHV		
			0 (ft3) 10		

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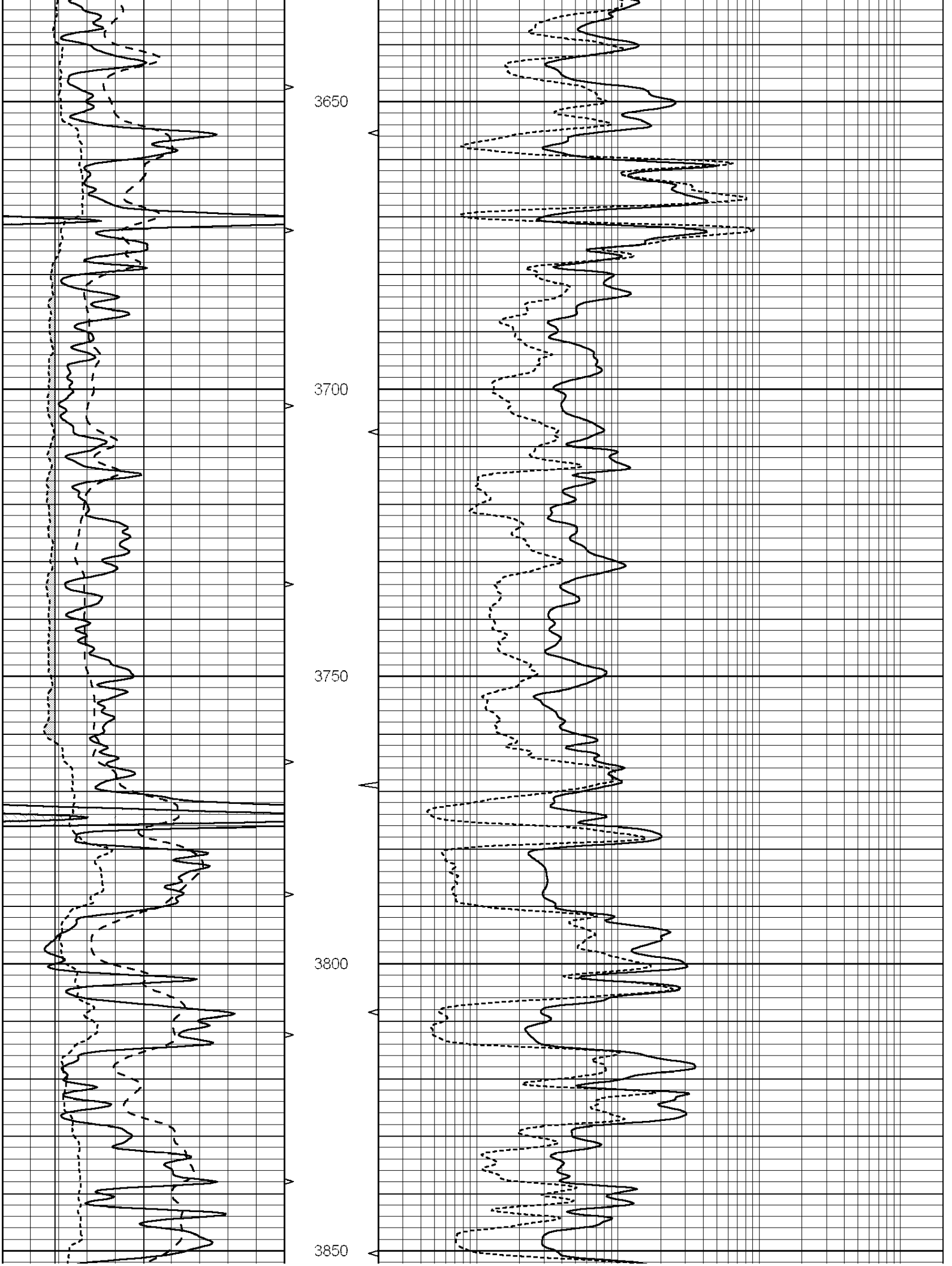
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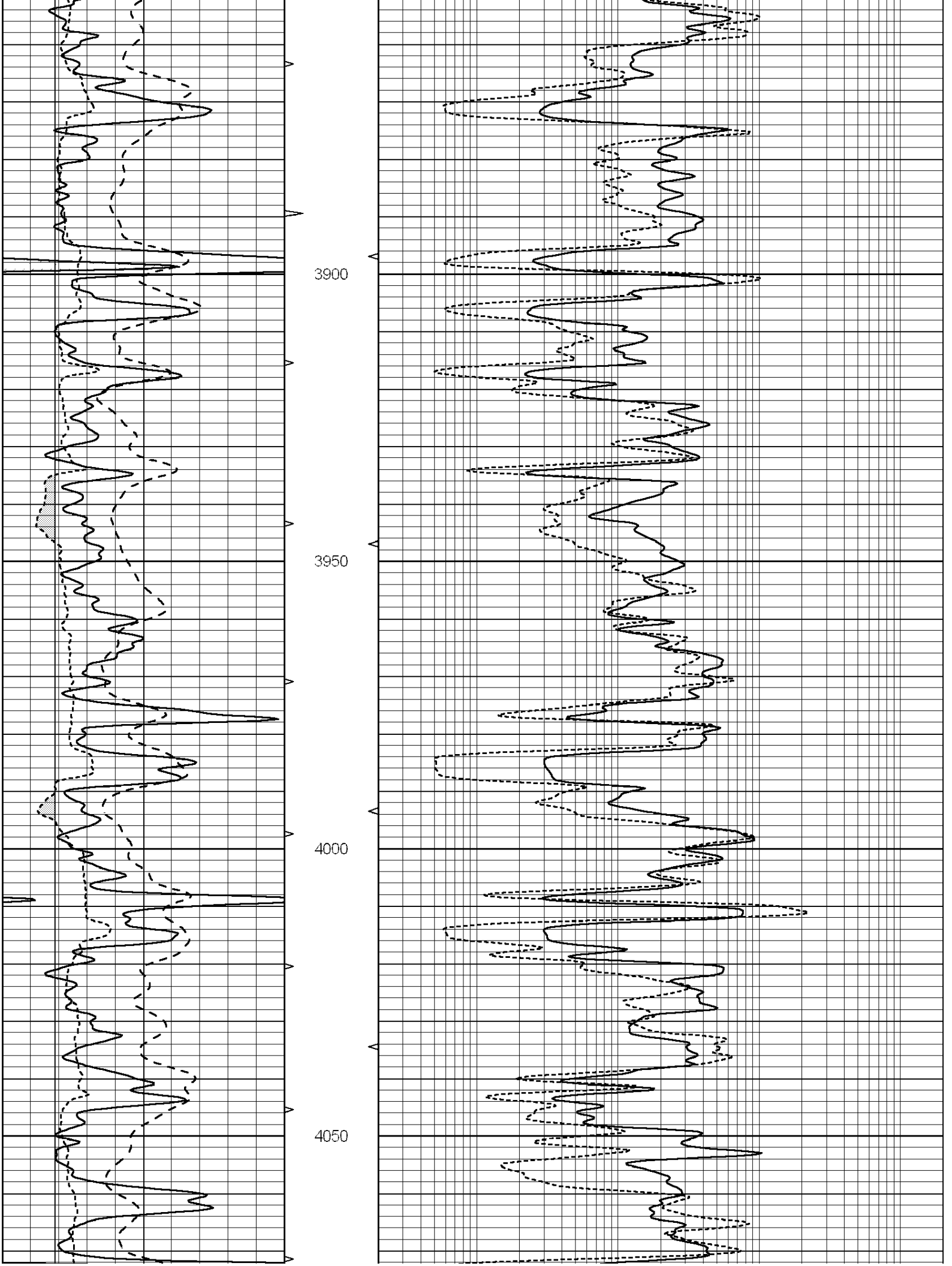
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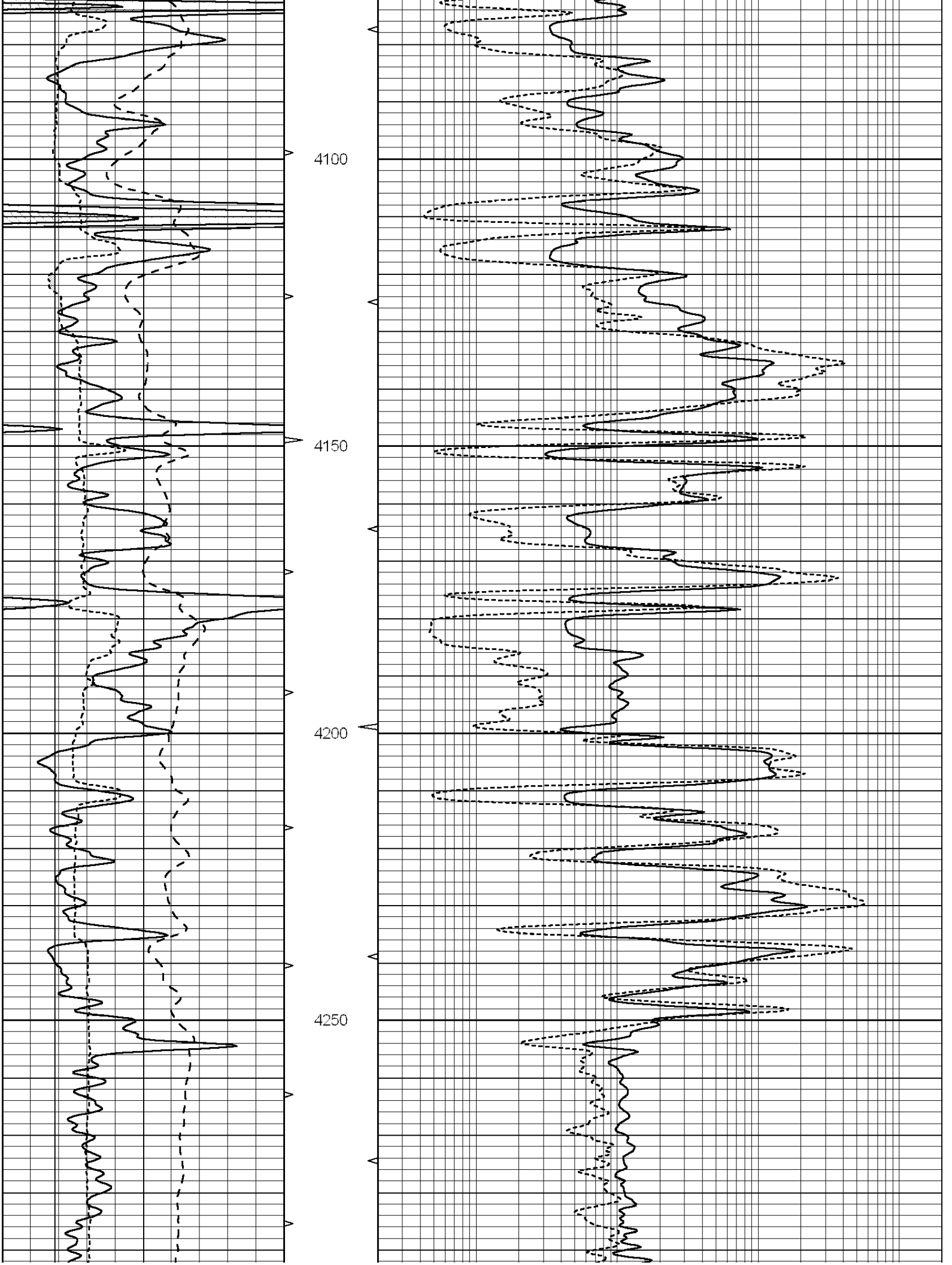
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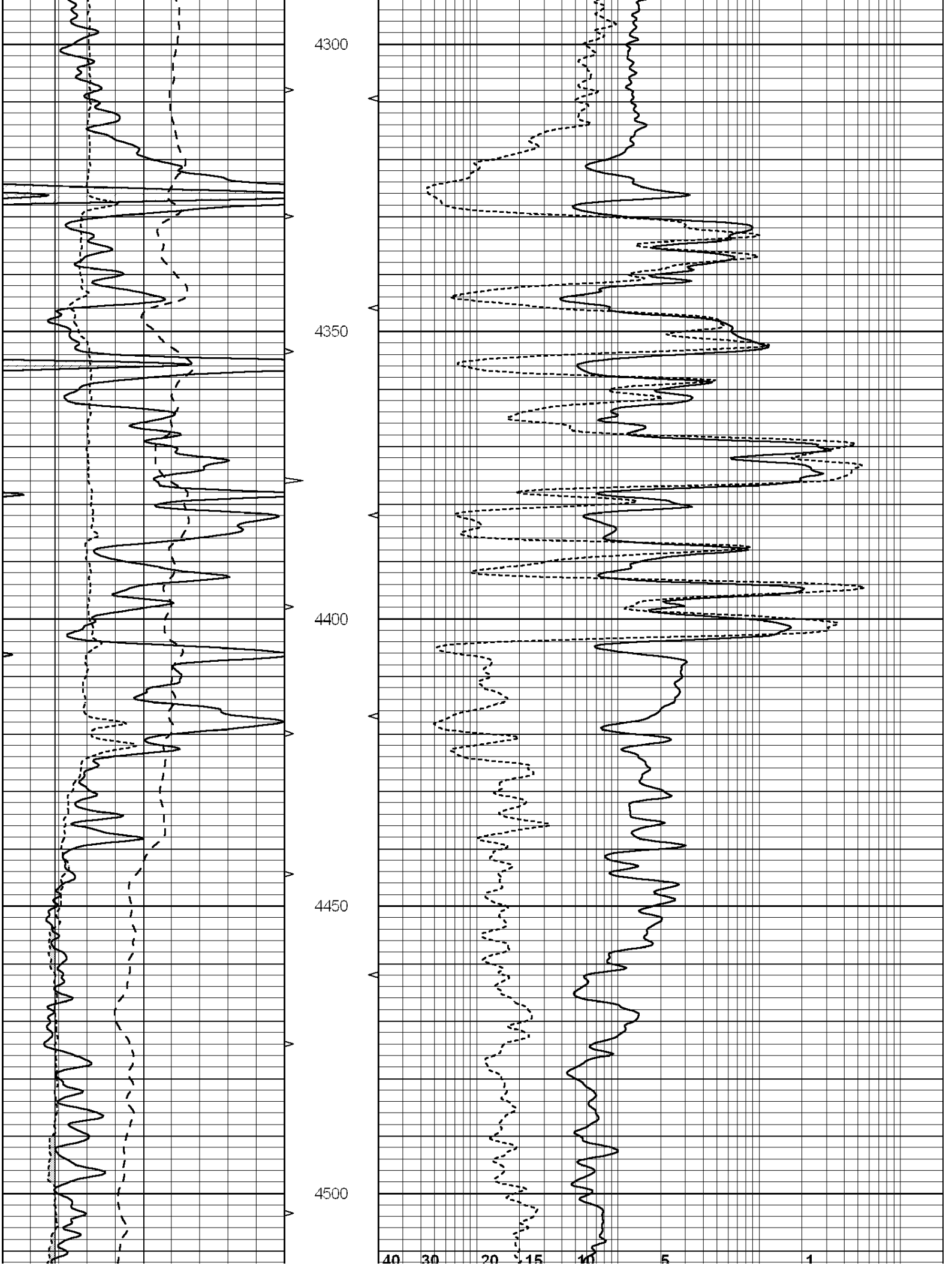
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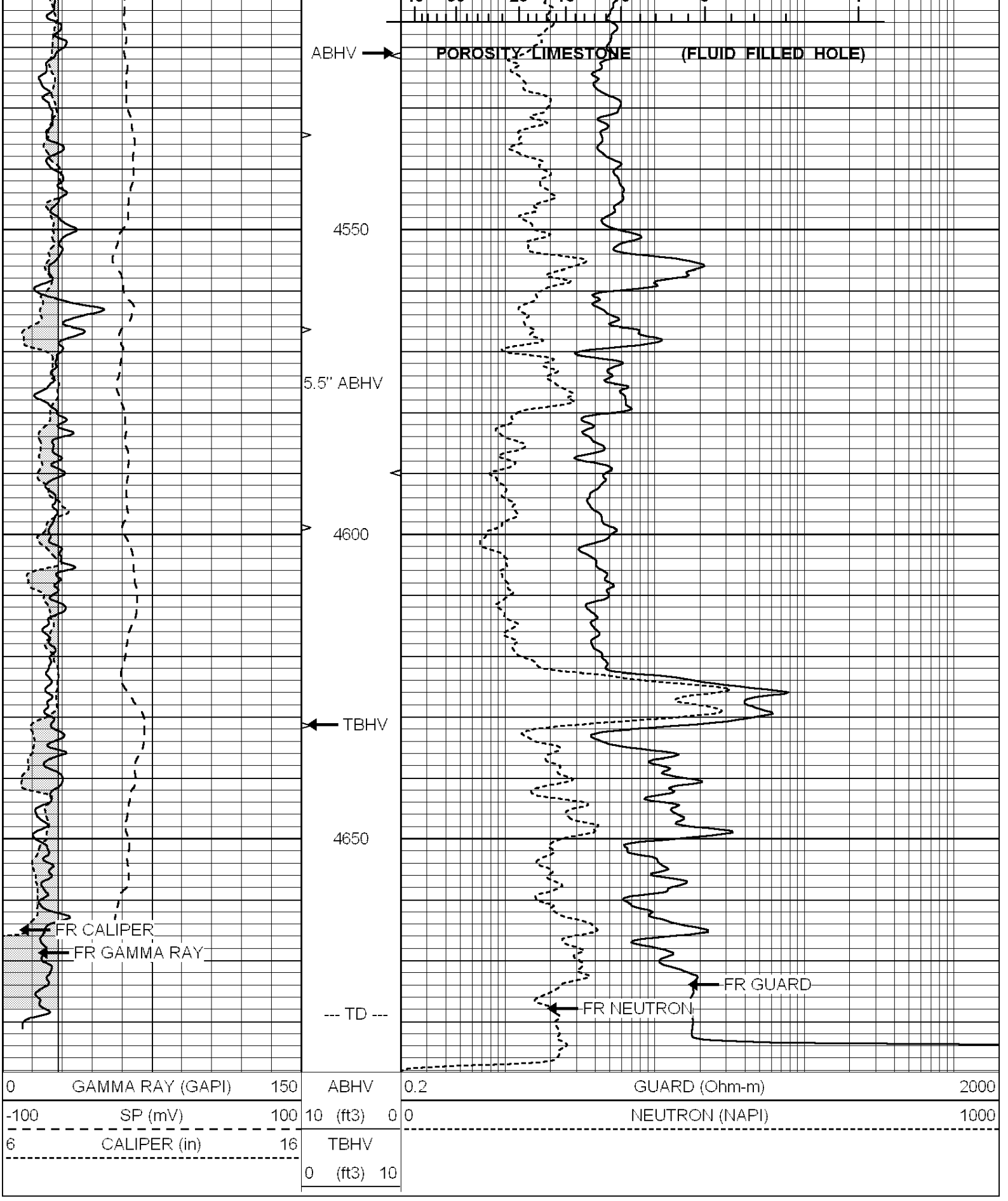

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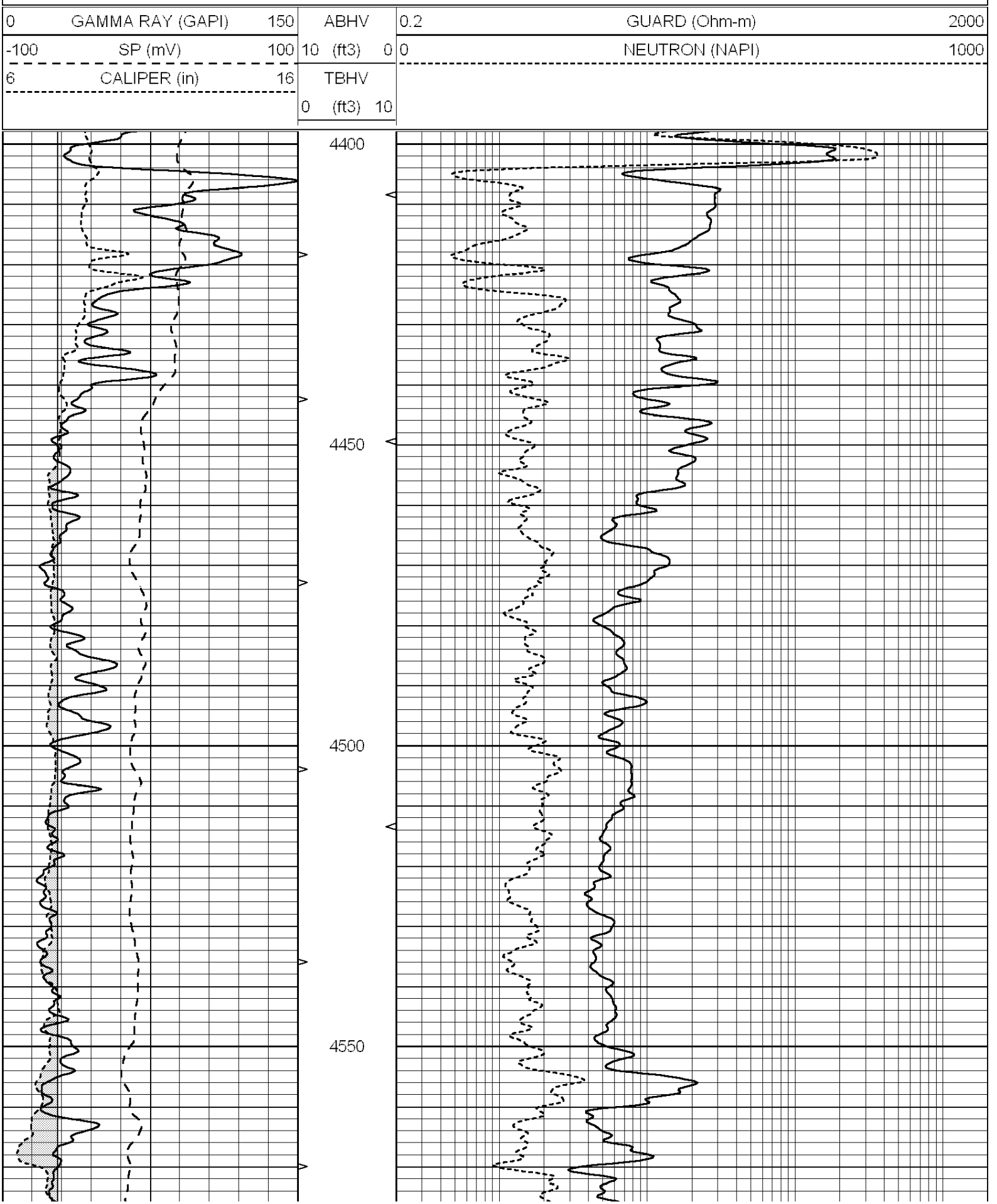
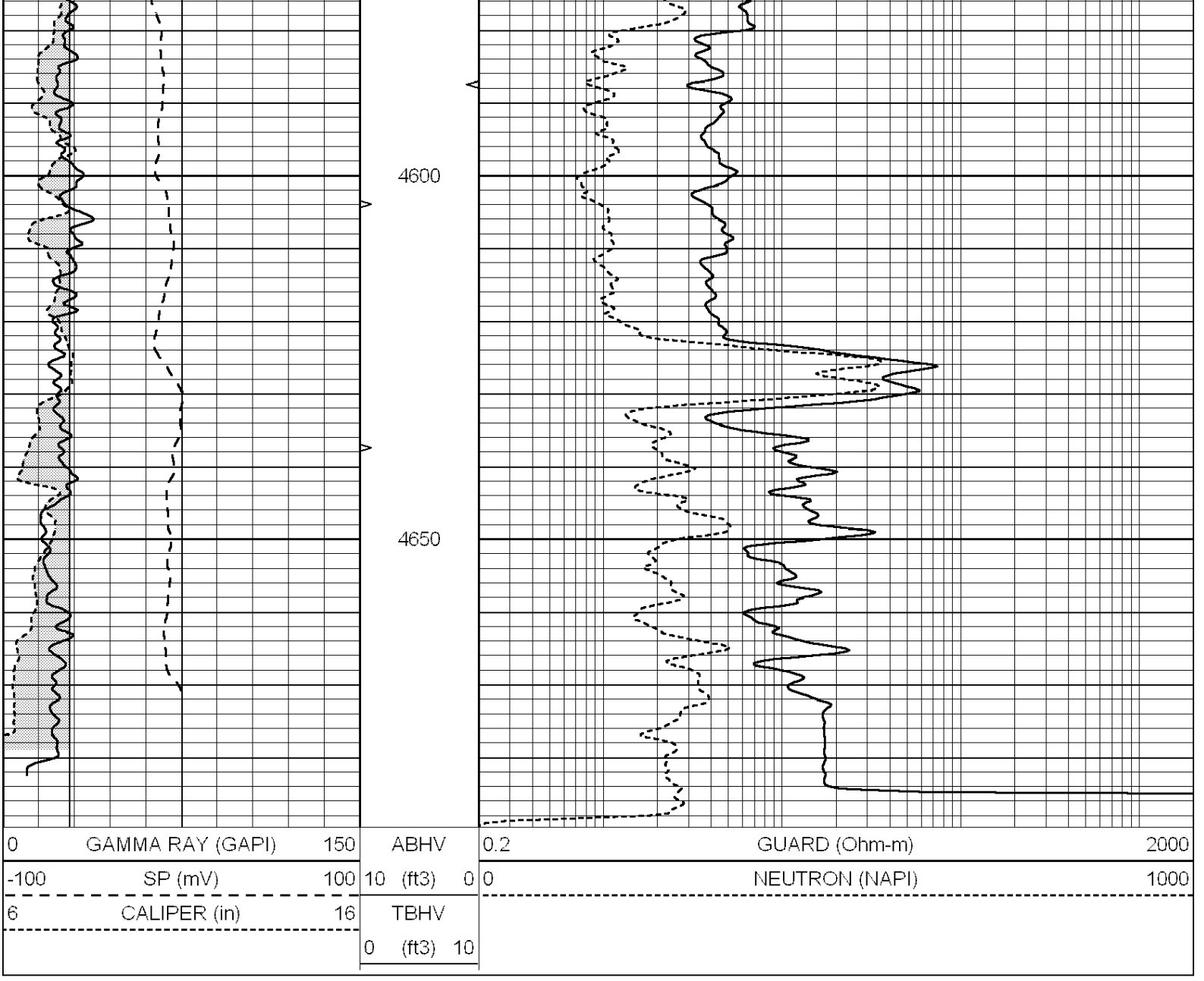
Hays,
Kansas

REPEAT SECTION

Database File: 006578rag.db
Dataset Pathname: pass3.A
Presentation Format: rag
Dataset Creation: Tue Jun 14 20:40:17 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File:	006578rag.db
Dataset Pathname:	pass4.1
Dataset Creation:	Tue Jun 14 22:16:53 2011 by Calc Open-Cased 090629

Neutron Calibration Report

Serial Number:	RAG1		
Tool Model:	RAG		
Performed:	Tue Jun 14 20:21:53 2011		
Calibrator Values:	0	1	NAPI
Calibrator Readings:	0	1	cps
Sensitivity:	1.45	NAPI/cps	

Micro Spherically Focused Log Calibration Report

Serial-Model:	RAG1-A
Performed:	Tue Jun 14 20:41:04 2011

Readings		References		Results	
Low	High	Low	High	m	b

Conductivity	0.0110	0.9000	V	10.0000	1000.0000	mmho	1400.0000	-10.0000
Caliper	0.2598	0.4366	V	7.2000	16.0000	in	49.7695	-5.7315

Gamma Ray Calibration Report

Serial Number:	RAG1	
Tool Model:	RAG	
Performed:	Tue Jun 14 20:24:34 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.9	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.8000	GAPI/cps