Patterson

COMPENSATED DENSITY NEUTRON LOG

Company XTO Energy, Inc.
Well Hill Ranch 27-07
Field Purgatoire River
County Las Animas
State CO

Company XTO Energy, Inc.
Well Hill Ranch 27-07
Field Purgatoire River
County Las Animas State CO

Location: API # : 05 071 08793 00

2434' FNL & 2249' FEL

SEC 27 TWP 34S RGE 67W

Other Services

DIL

Permanent Datum	Ground Level	Elevation	7605'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Elevation

K.B. -------
D.F. -------
G.L. 7605'

Date	7-25-06		
Run Number	Two		
Depth Driller	2215'		
Depth Logger	2218'		
Bottom Logged Interval	2216'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 433'		
Casing Logger	433'		
Bit Size	7 7/8"		
Type Fluid in Hole	Water		
Density / Viscosity	///		
pH / Fluid Loss	///		
Source of Sample	///		
Rm @ Meas. Temp	///		
Rmf @ Meas. Temp	///		
Rmc @ Meas. Temp	///		
Source of Rmf / Rmc	///		
Rm @ BHT	///		
Time Circulation Stopped	2:30 P.M.		
Time Logger on Bottom	5:30 P.M.		
Maximum Recorded Temperature	112 DEG F		
Equipment Number	T720		
Location	Trinidad		
Recorded By	M. Norton		
Witnessed By	Mr. Don Johnson		

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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.

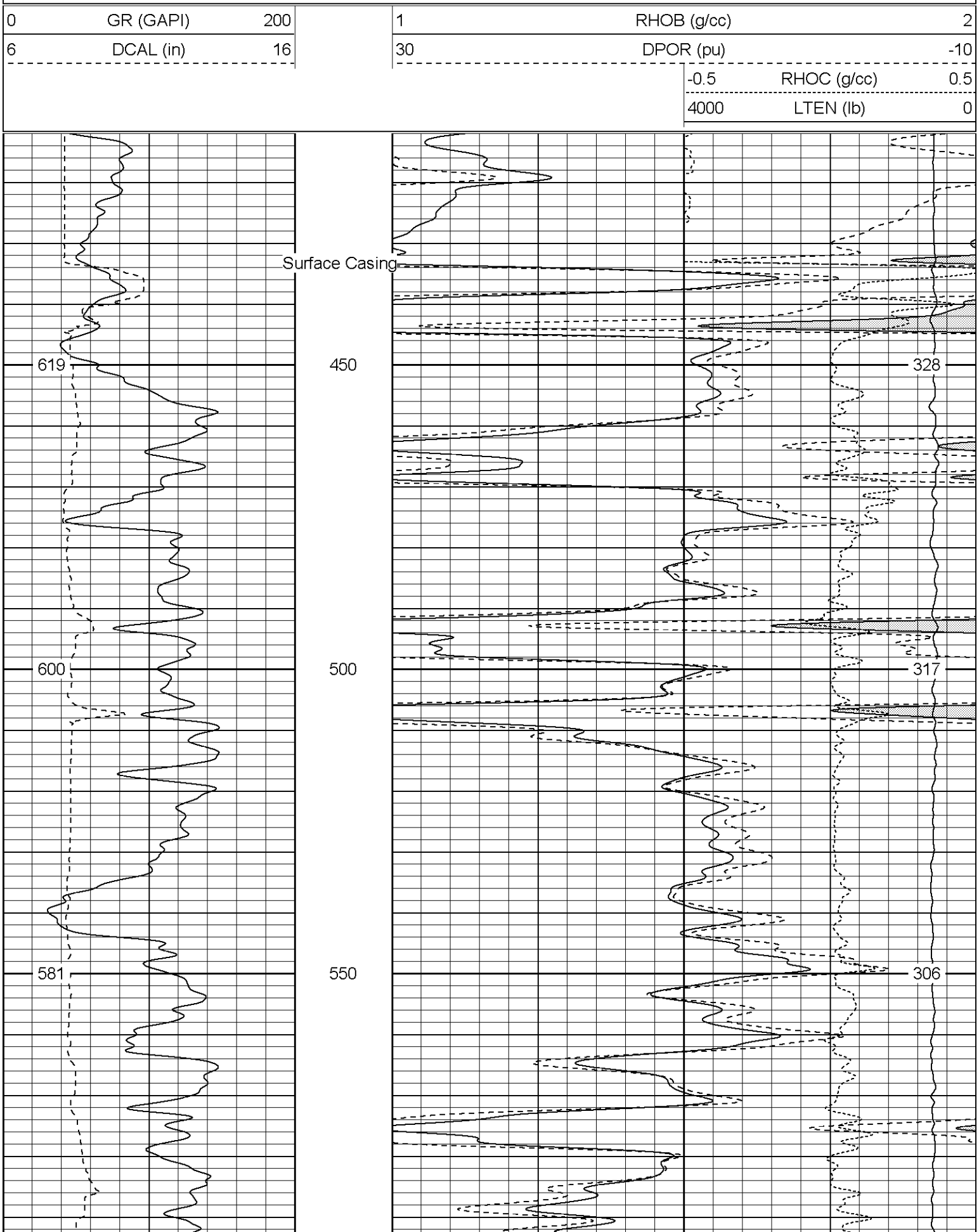
Comments

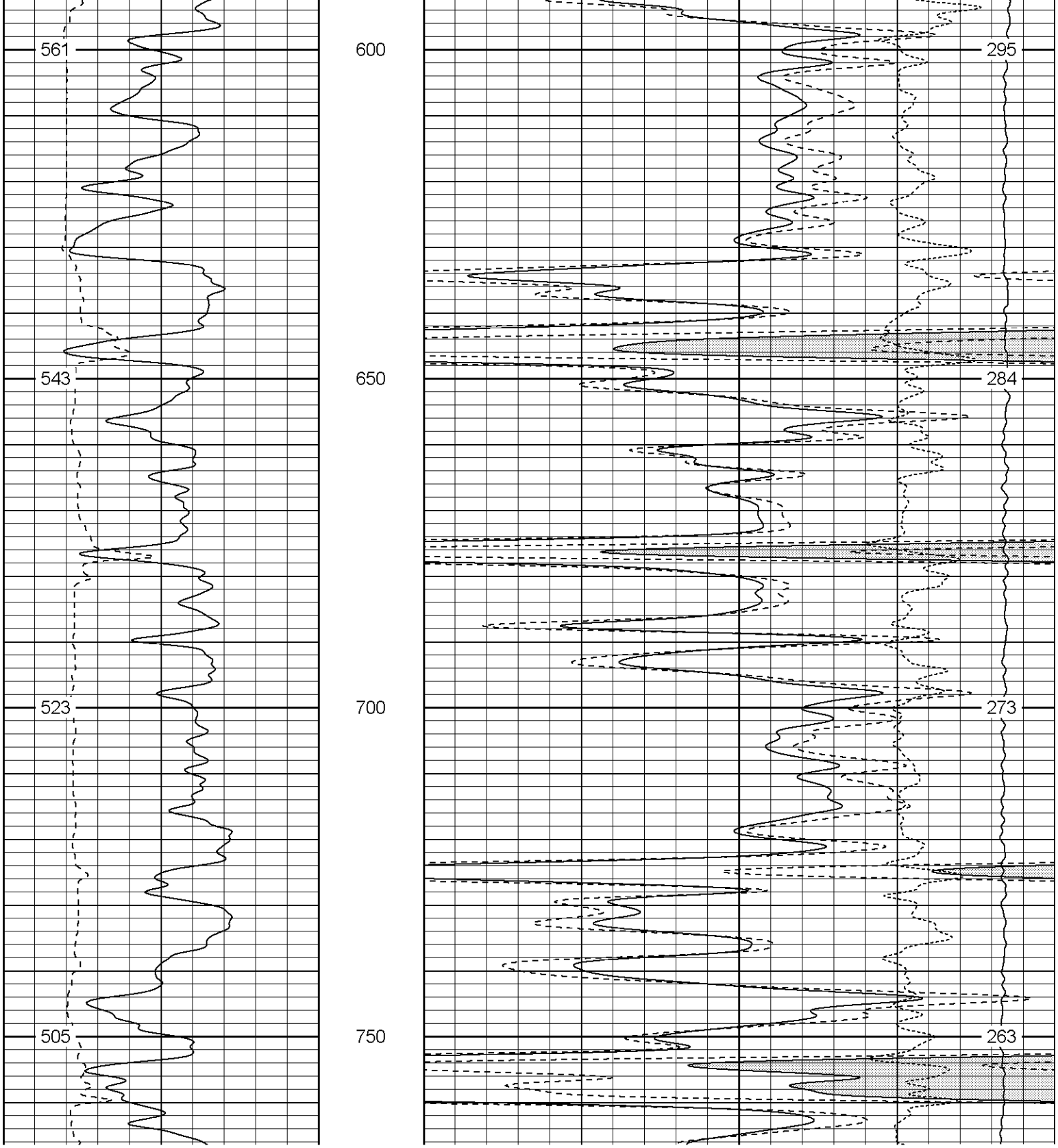
Neutron Density Porosity Presented On Sandstone Matrix.
ABHV Calculated For 5 1/2" Casing.
Well Directions:
Lorencito canyon, right up XTO hill, at dumpster take a right. stay right on main road, drive thru the Hill Ranch 34-06, at Y stay left, drive thru the Hill Ranch 27-16, first left after ranch only road to location.

Patterson

Main Pass

Database File: xtohr2707.db
Dataset Pathname: pass4.11
Presentation Format: cdl
Dataset Creation: Wed Jul 26 08:11:49 2006
Charted by: Depth in Feet scaled 1:240

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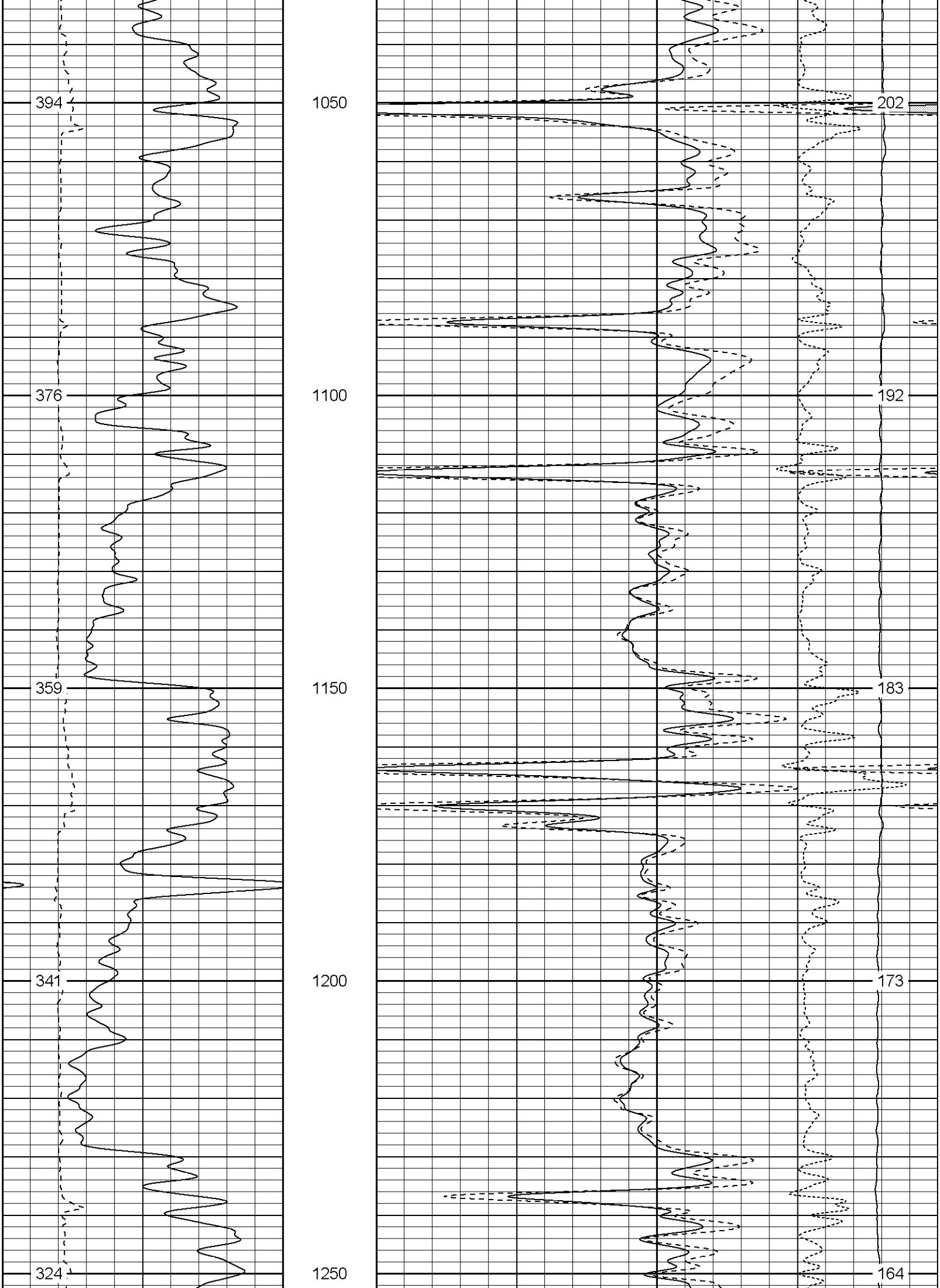
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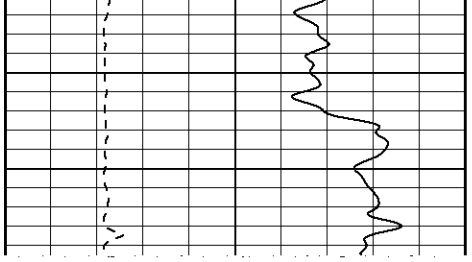

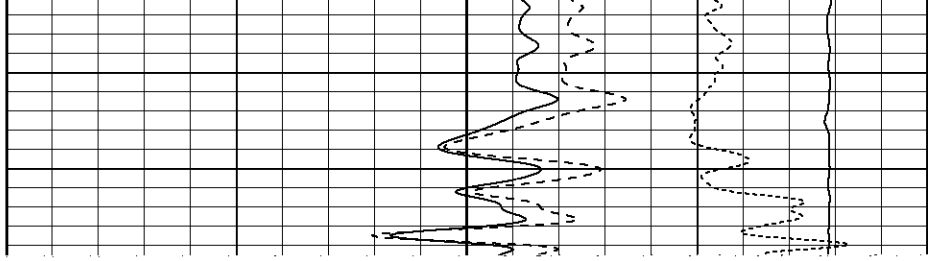

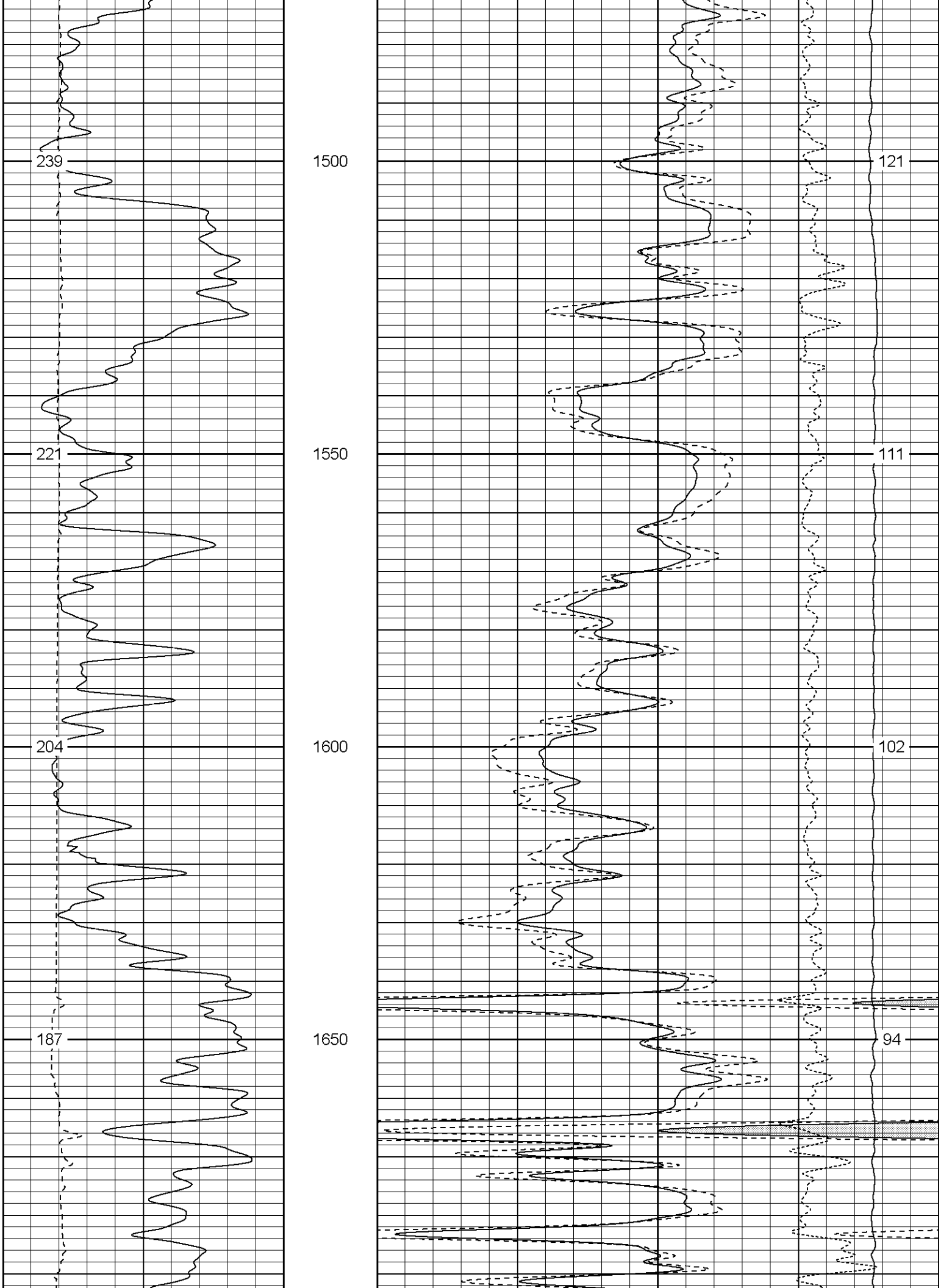
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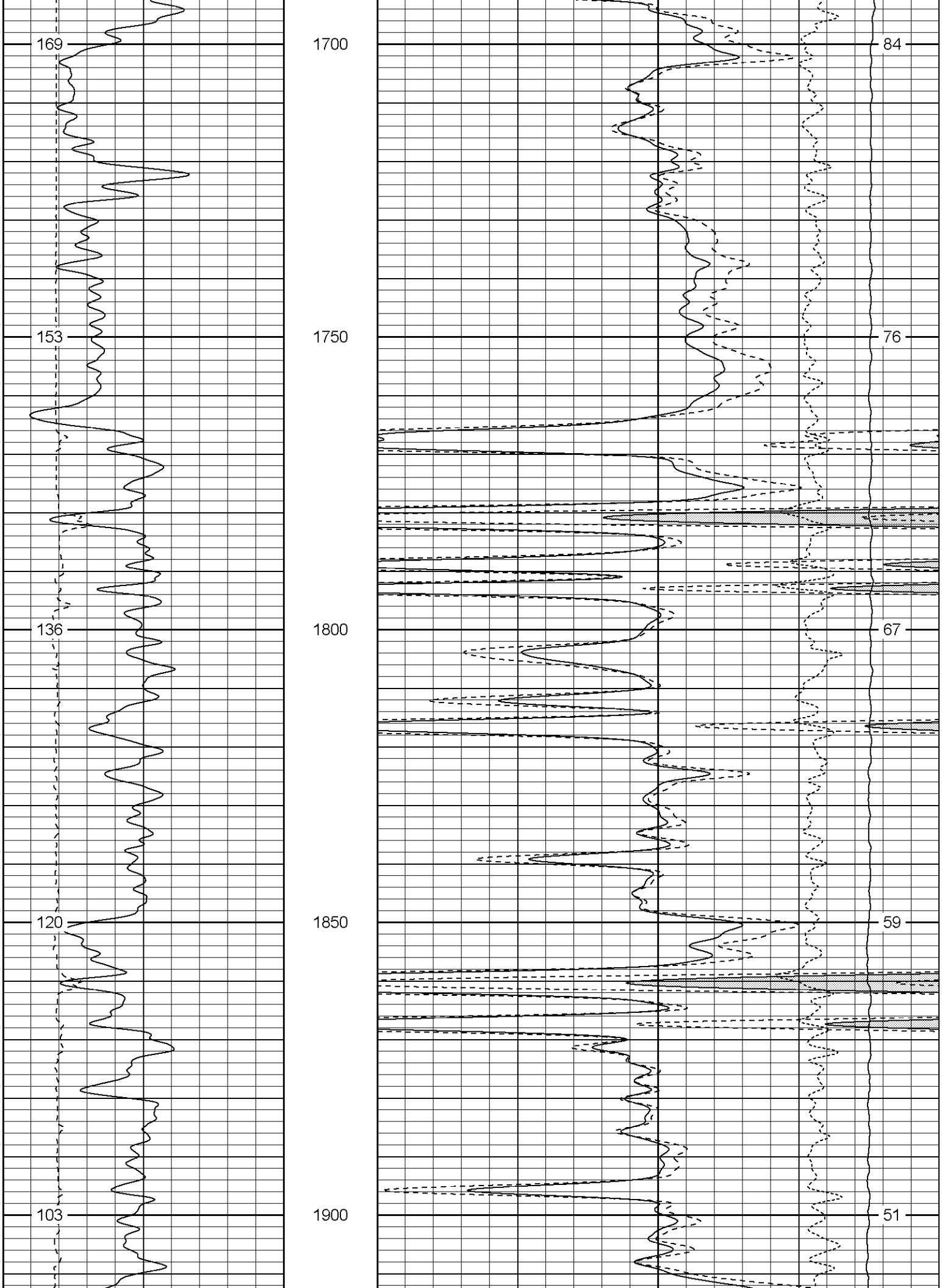
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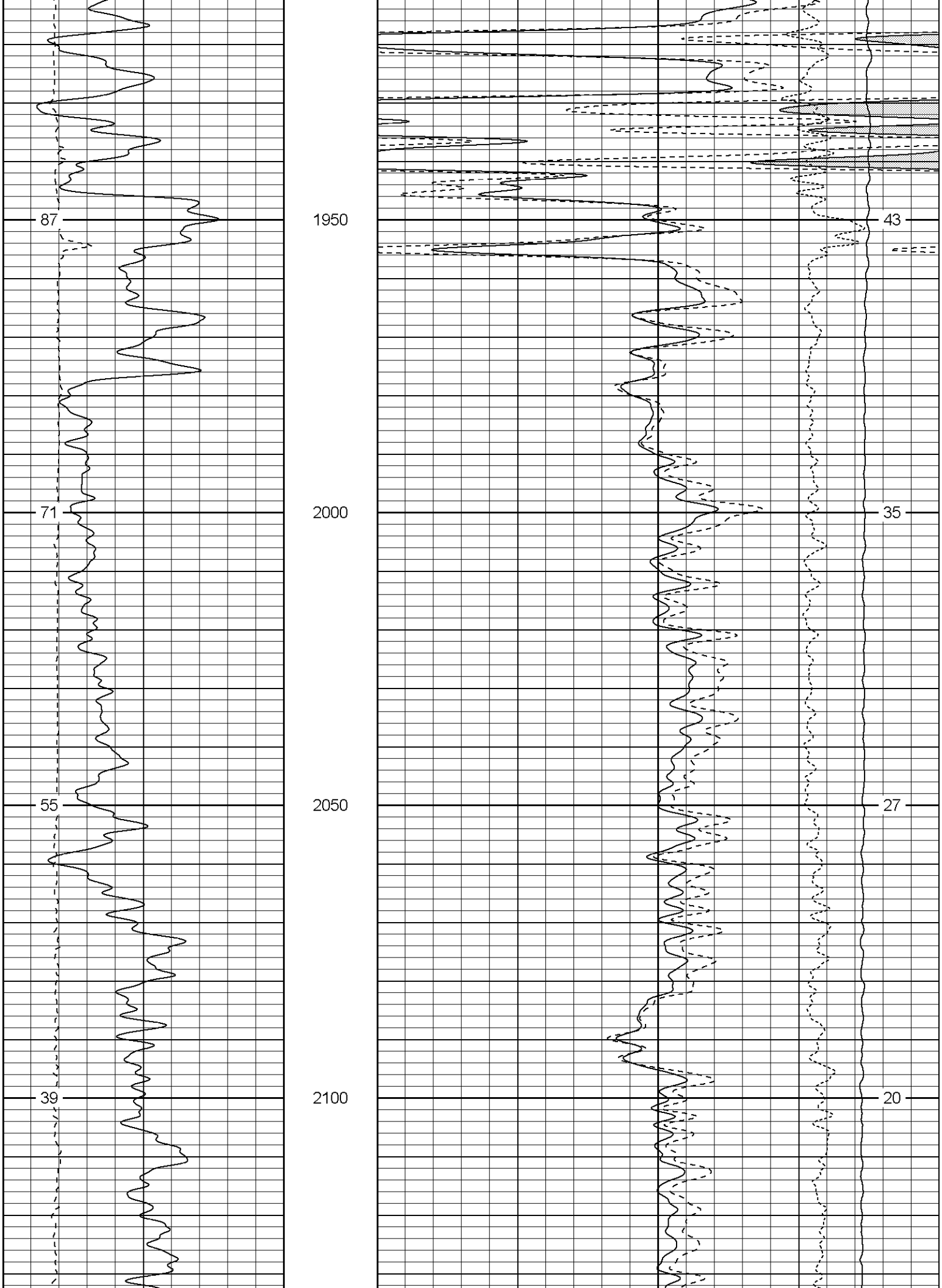
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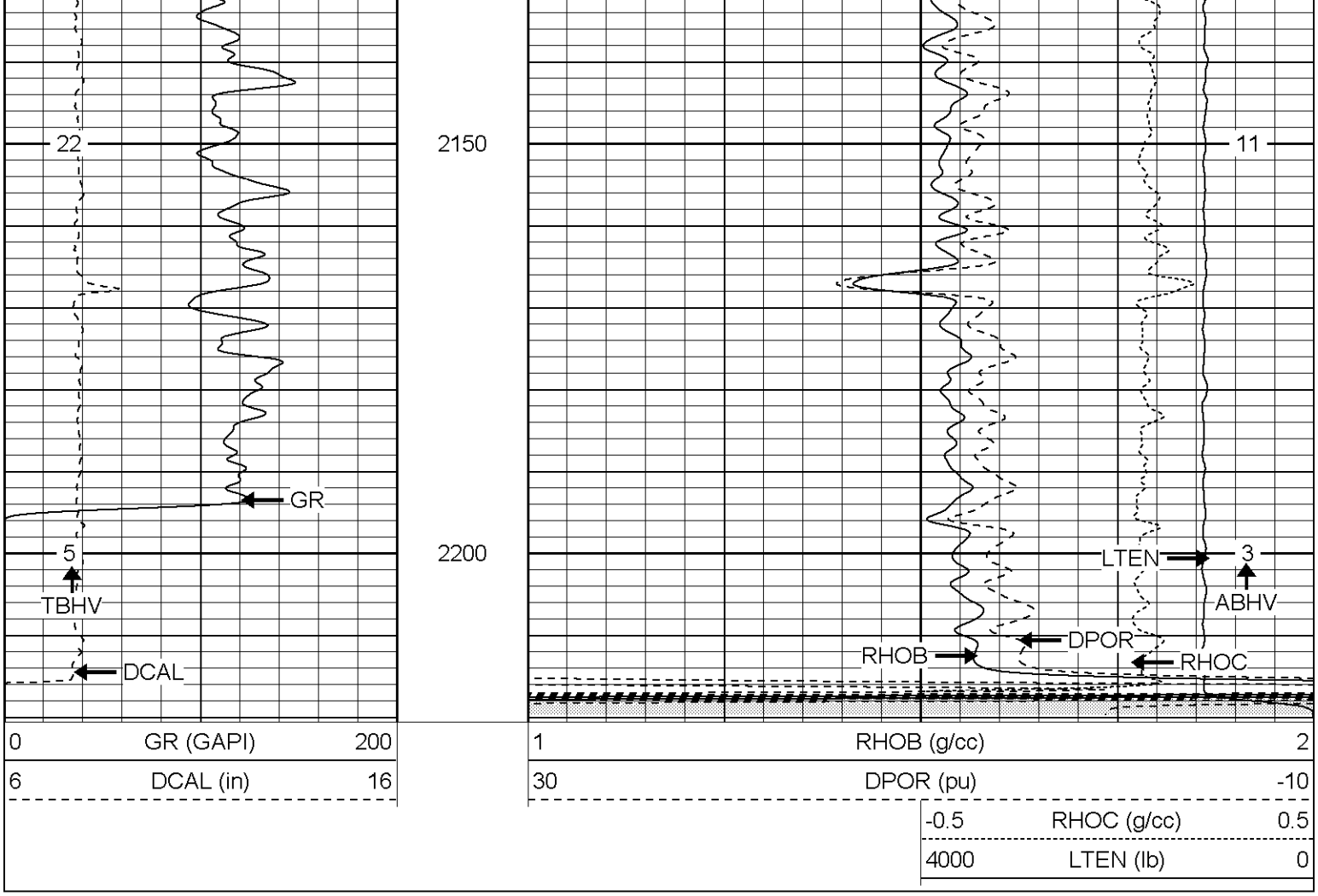

Patterson

Main Pass

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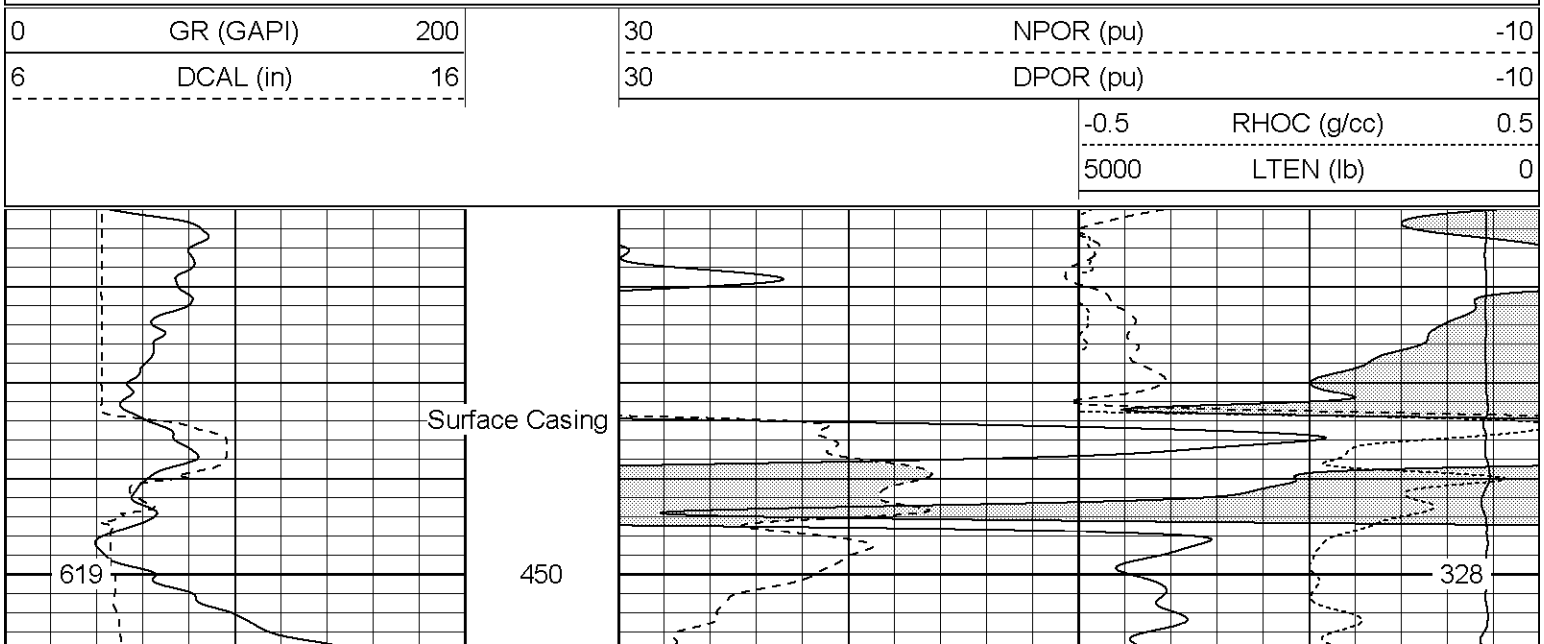
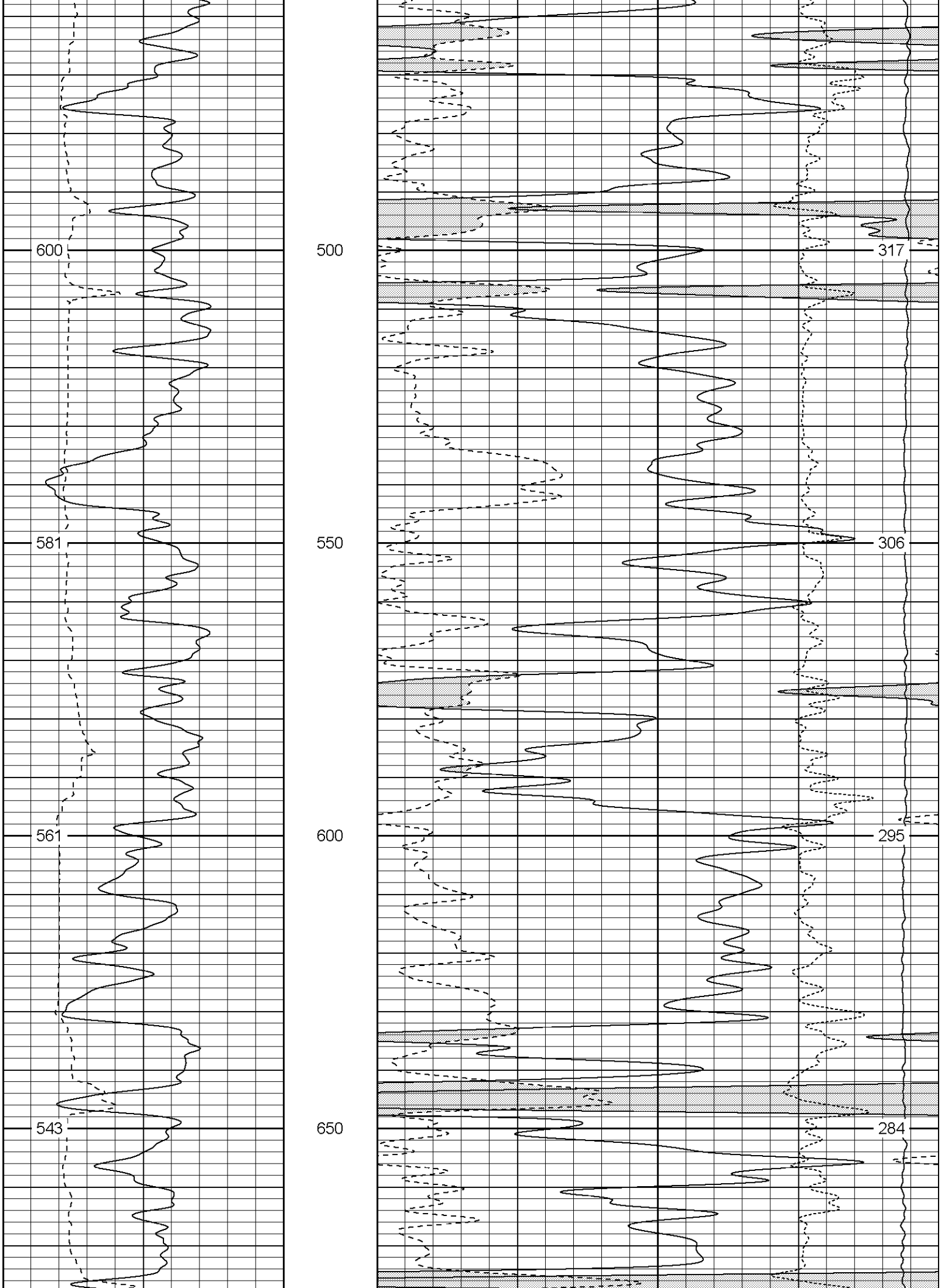
Dataset Pathname: pass4.11
Presentation Format: cdnl
Dataset Creation: Wed Jul 26 08:11:49 2006
Charted by: Depth in Feet scaled 1:240

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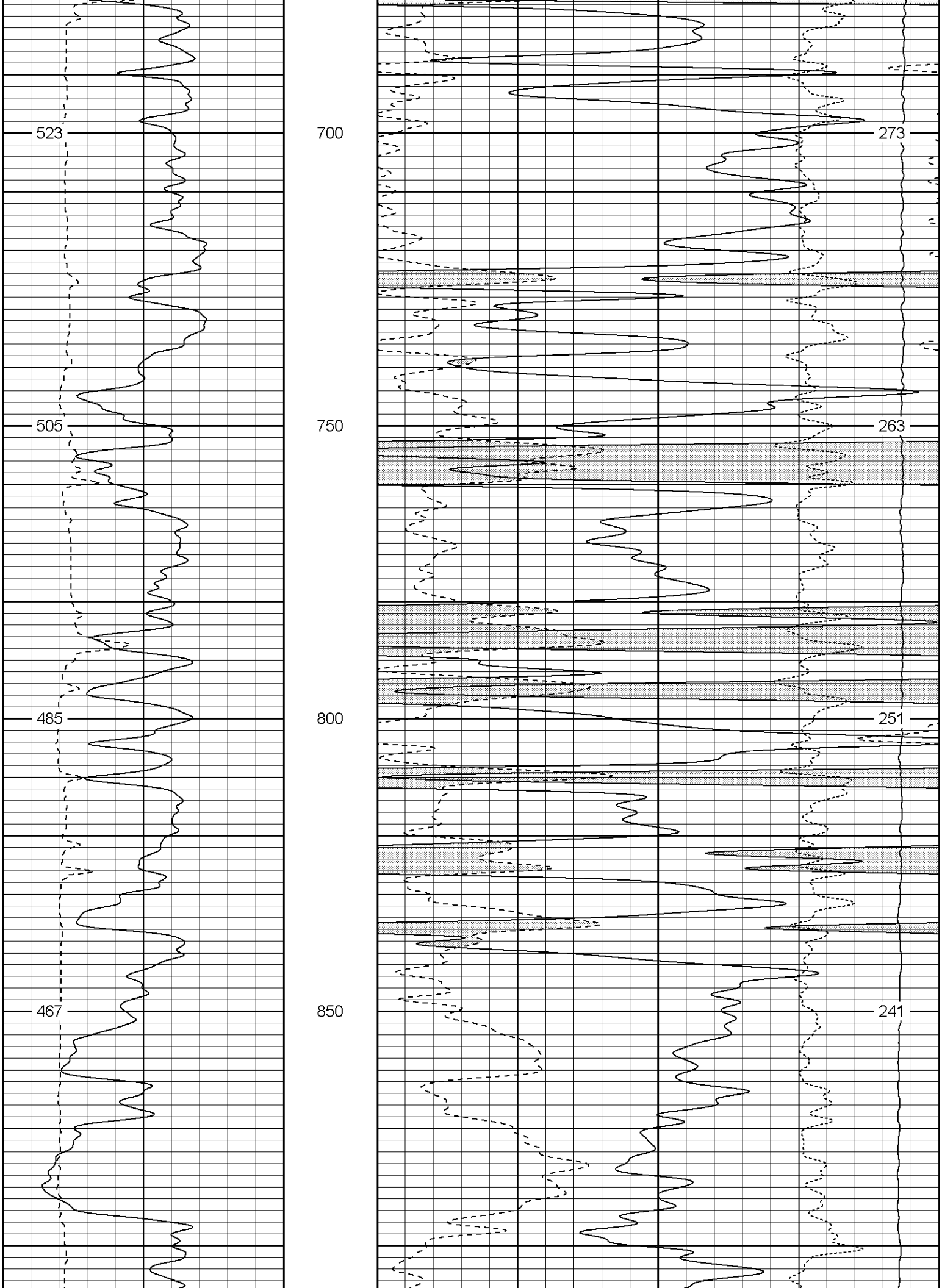
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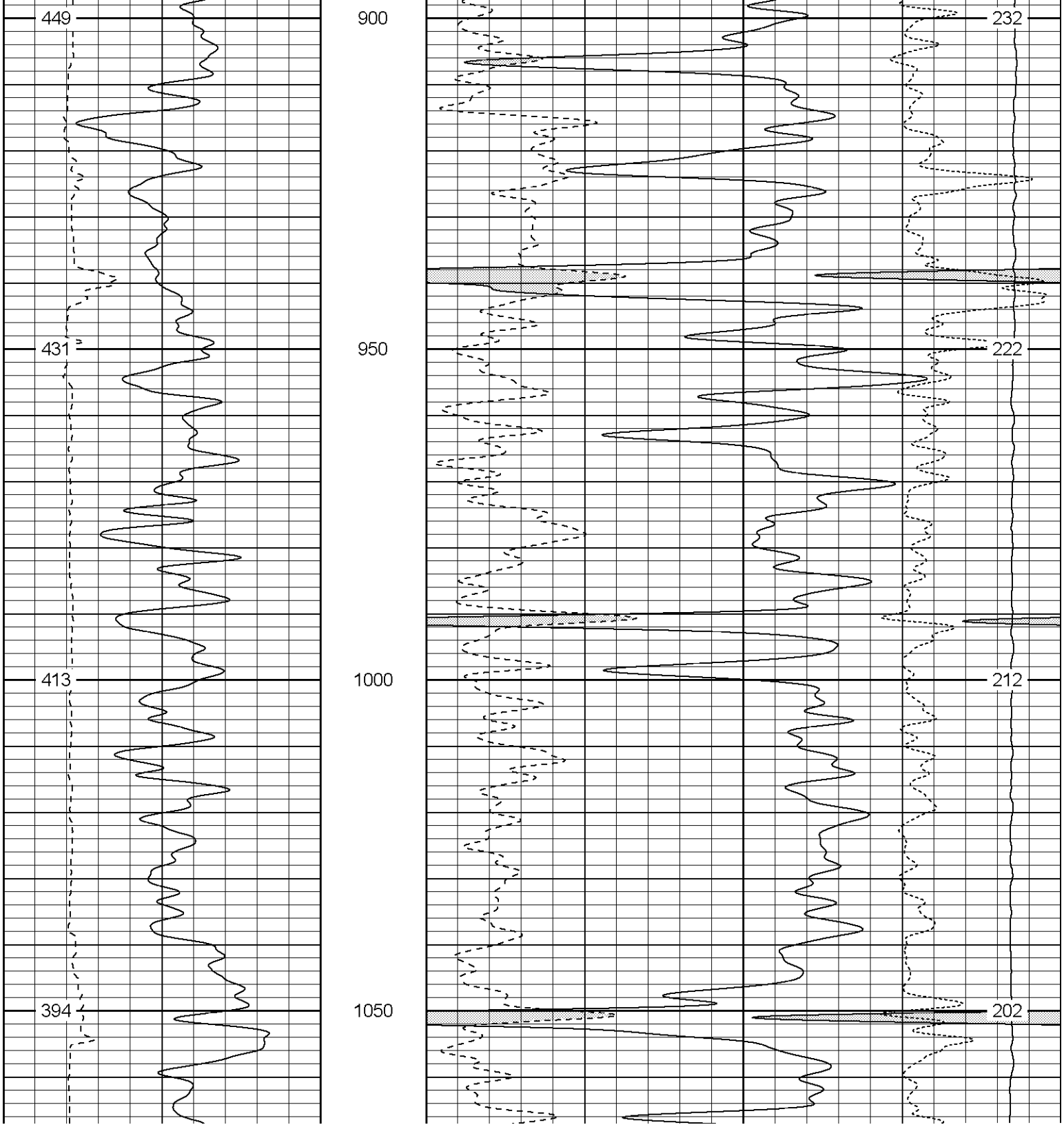
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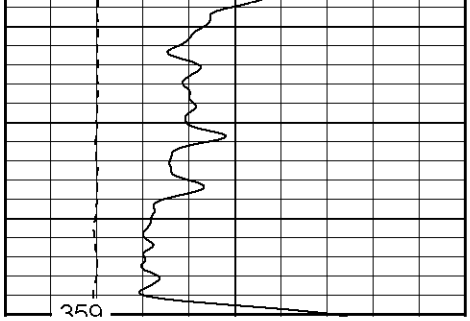

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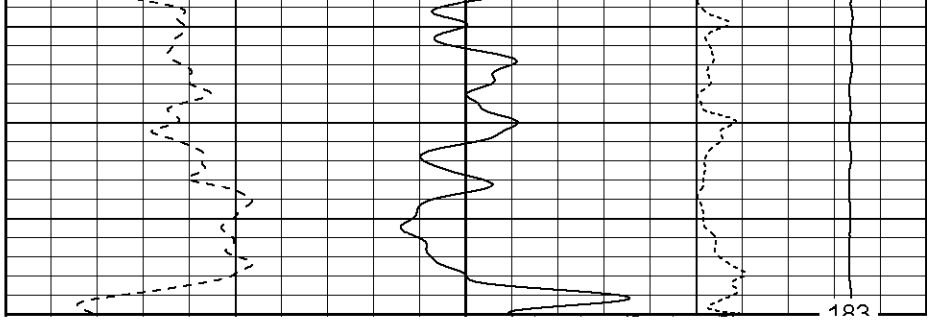

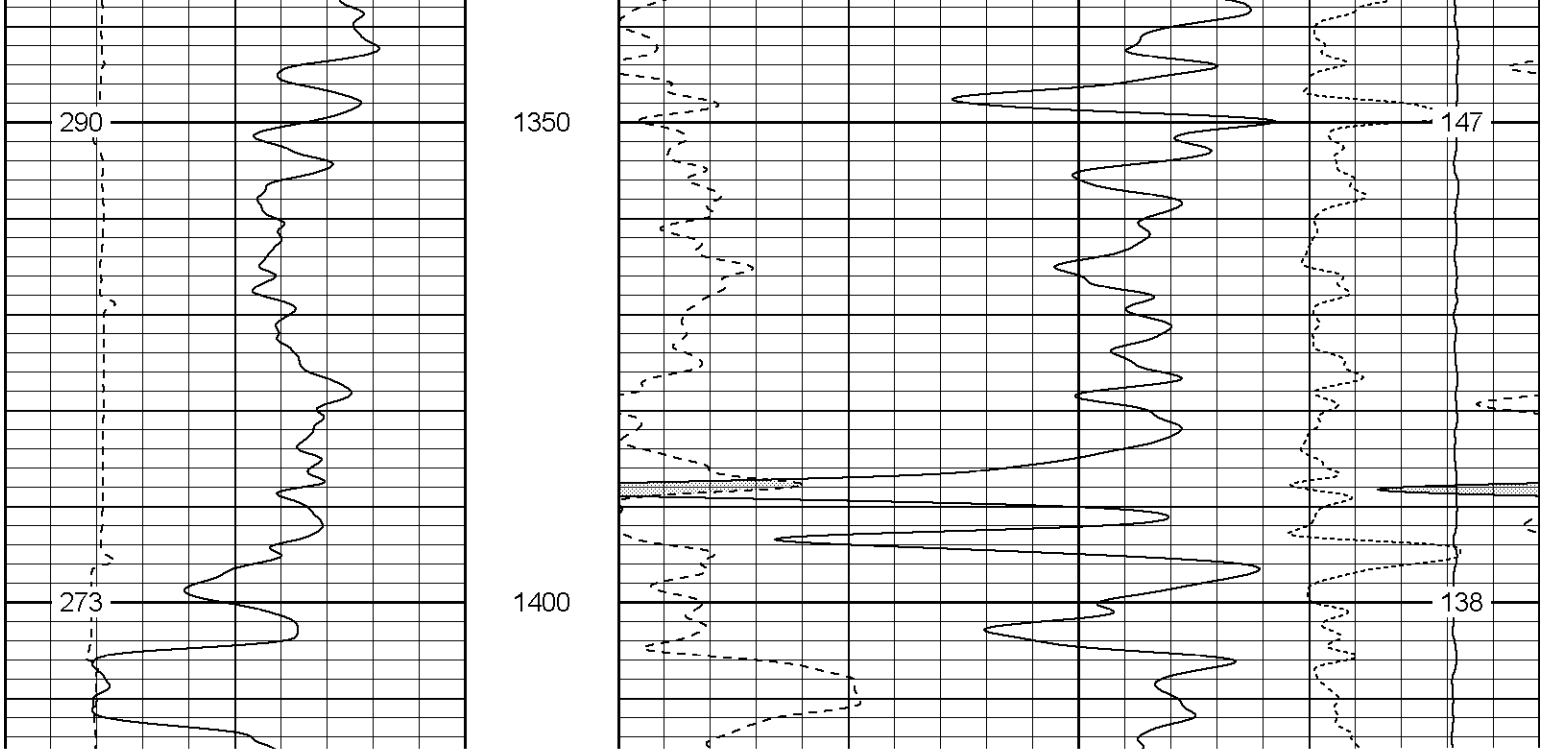
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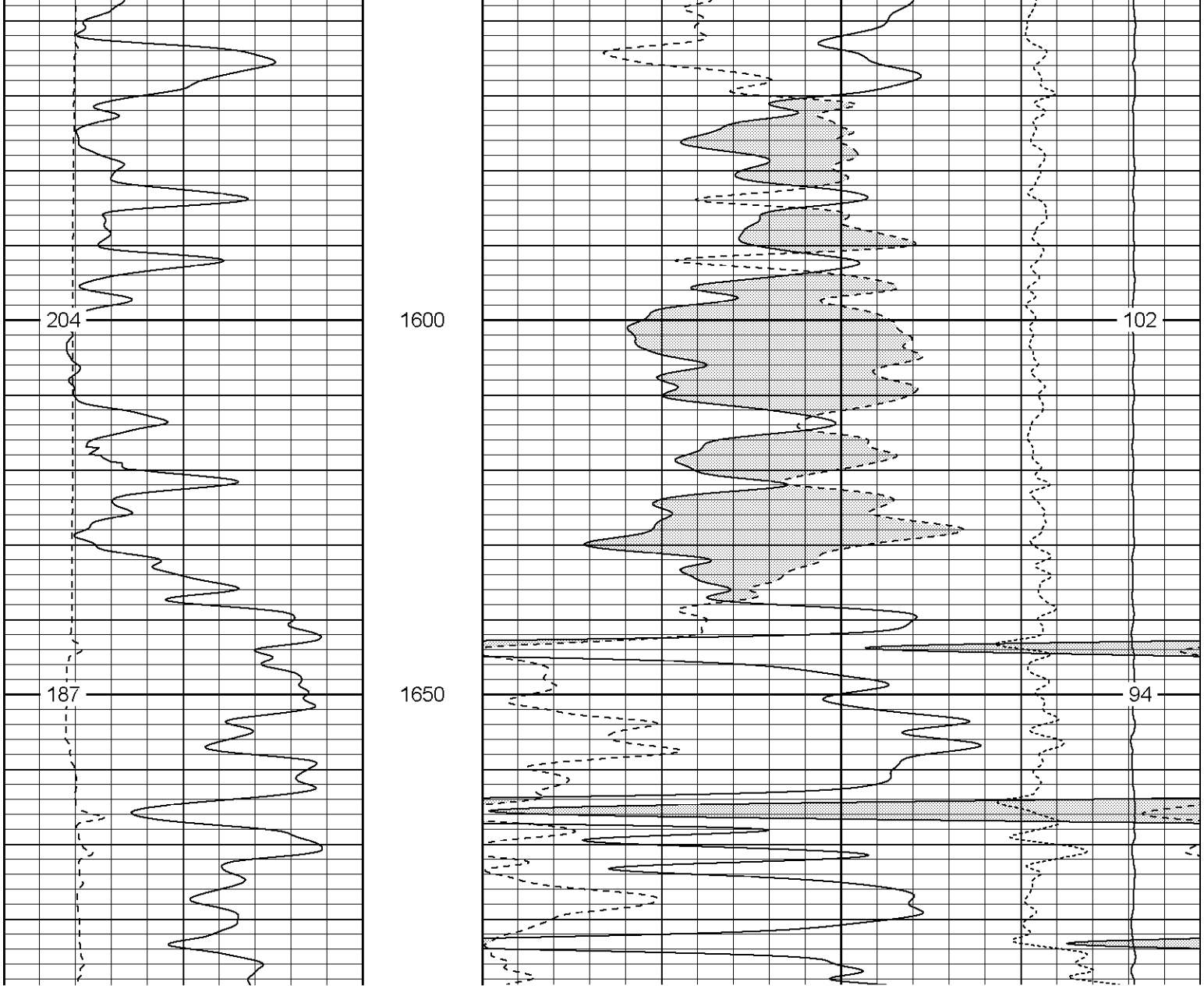
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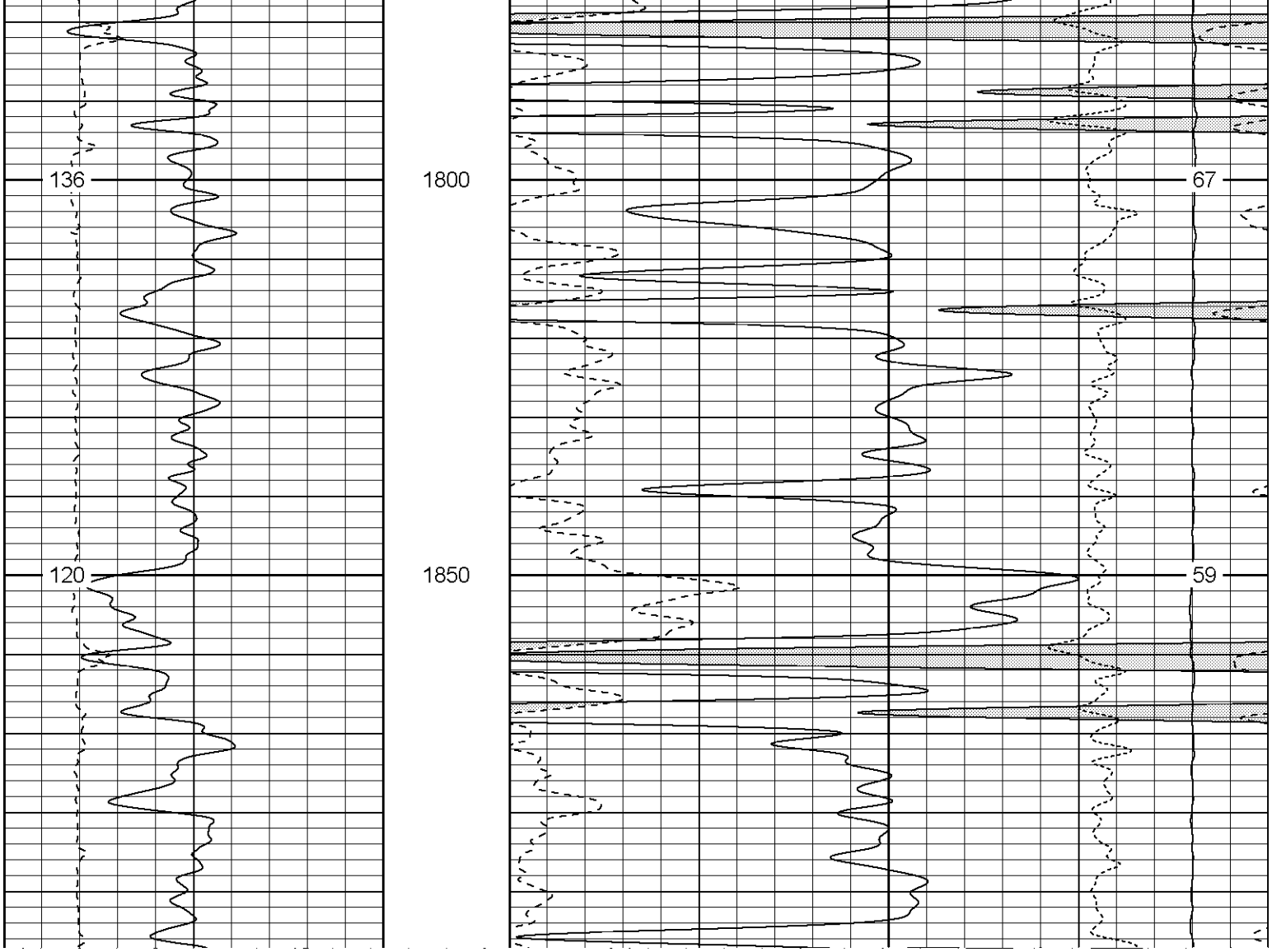
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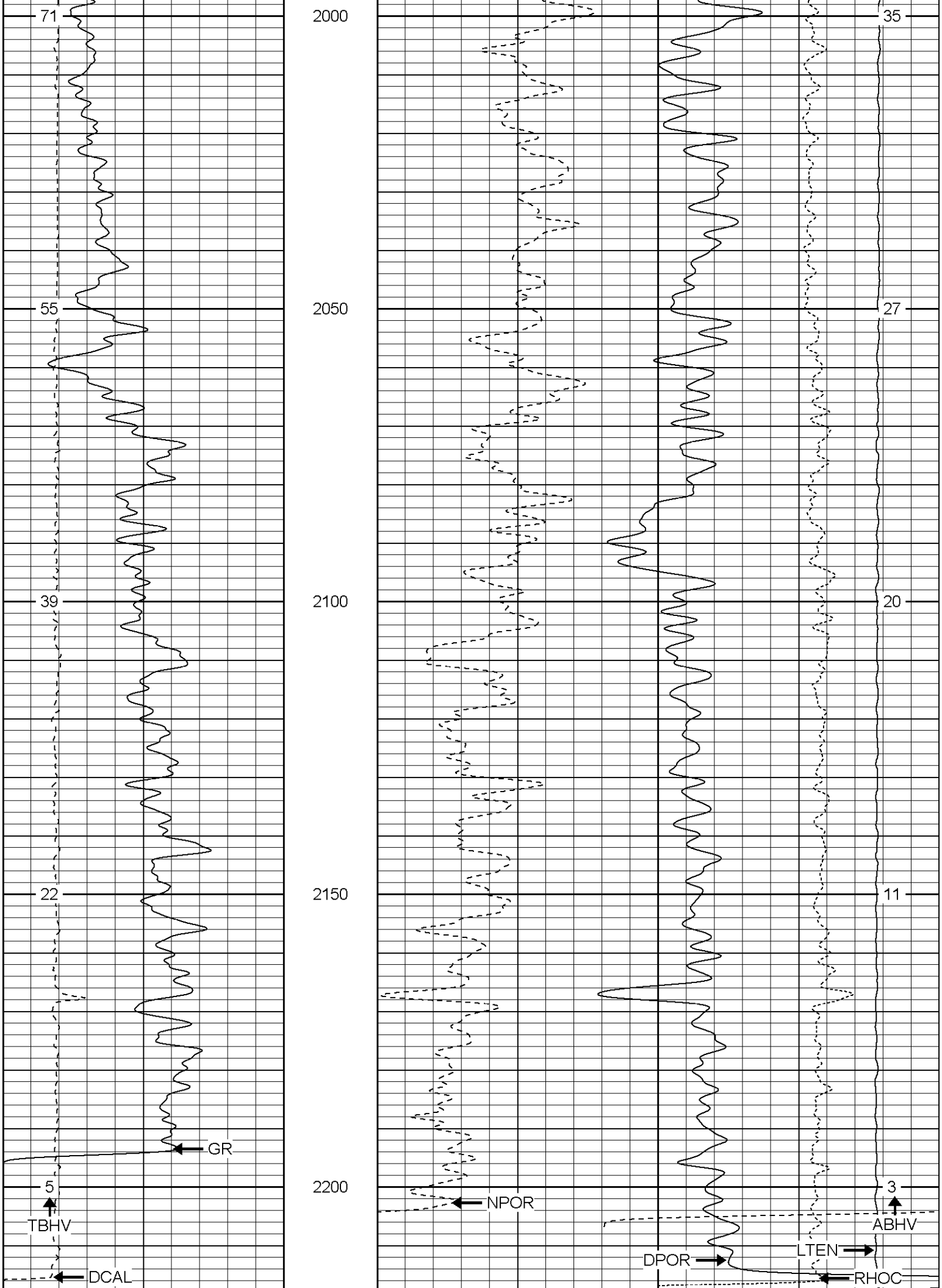
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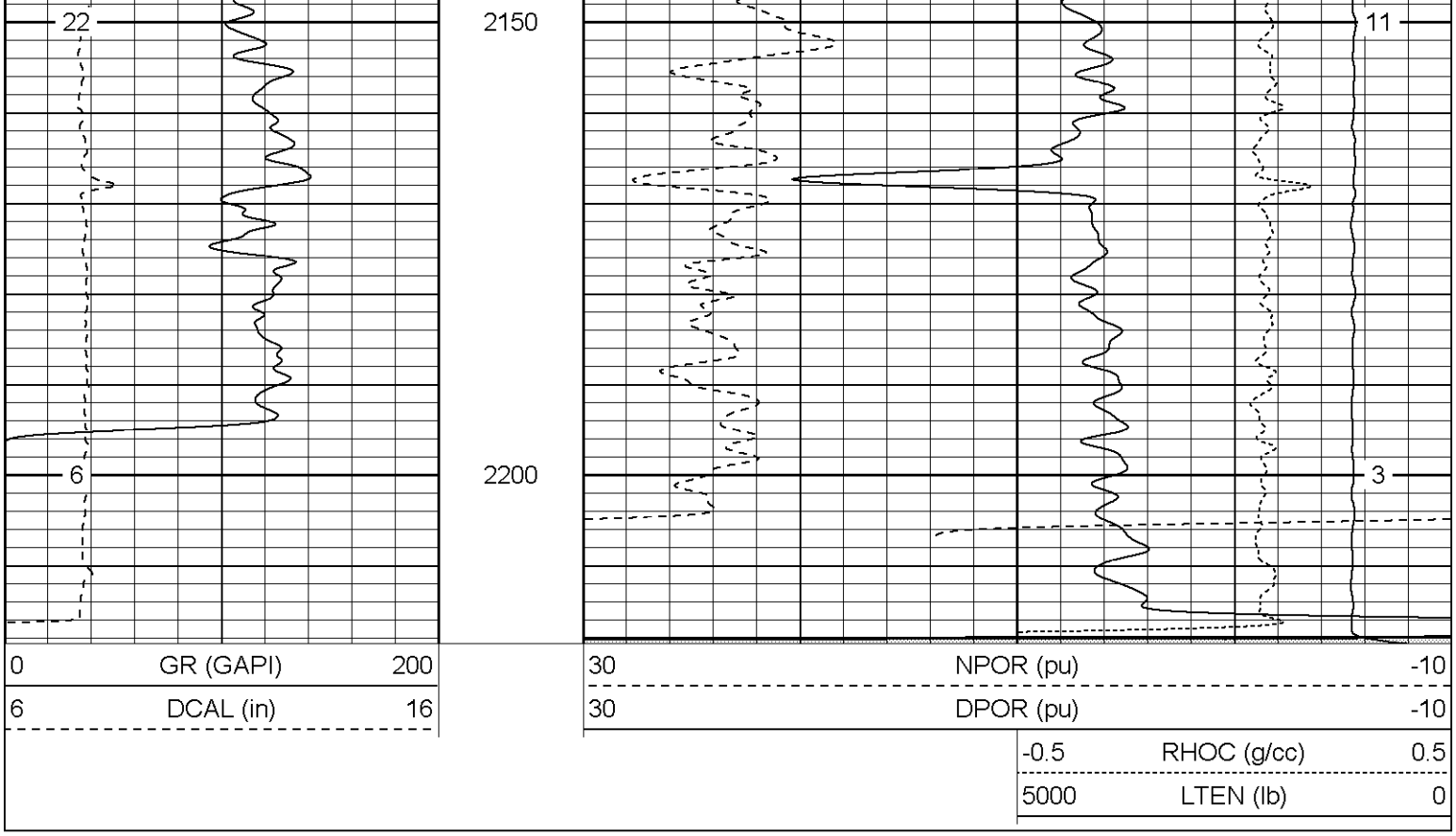

Patterson

High Resolution Pass

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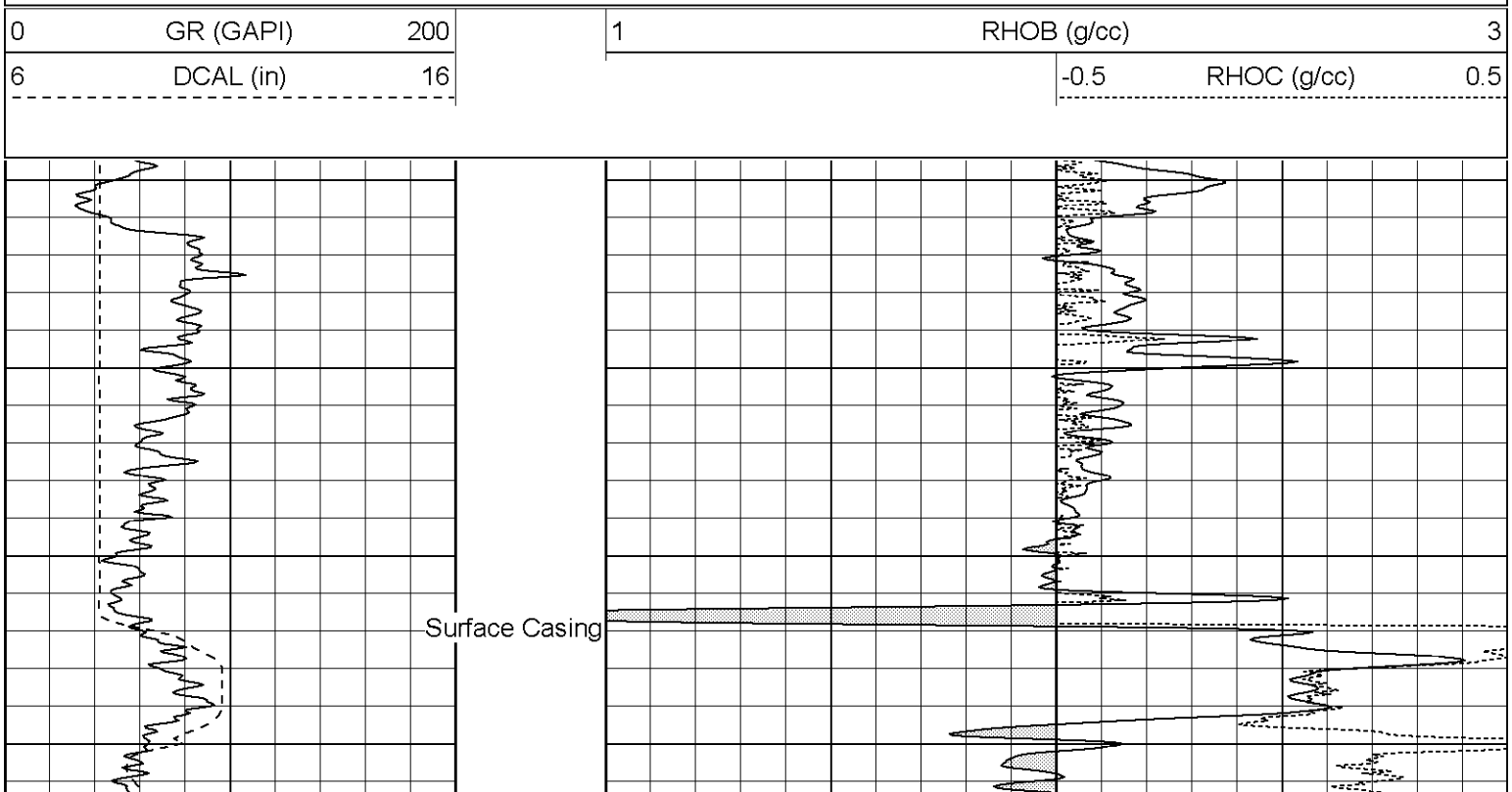
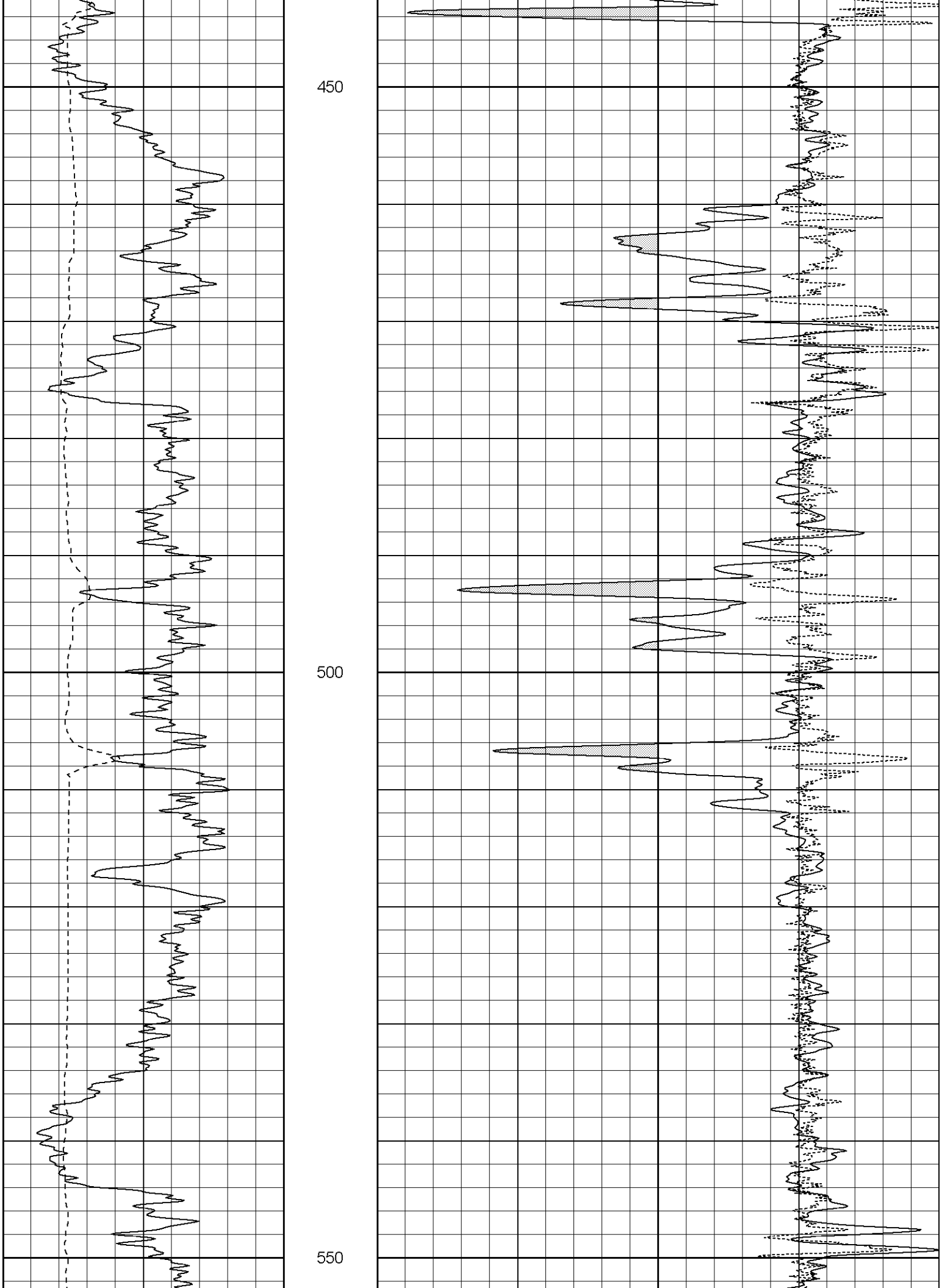
Dataset Creation:	Wed Jul 26 07:27:45 2006 by Calc Warrior 7.0 STD Ope
Charted by:	Depth in Feet scaled 1:120

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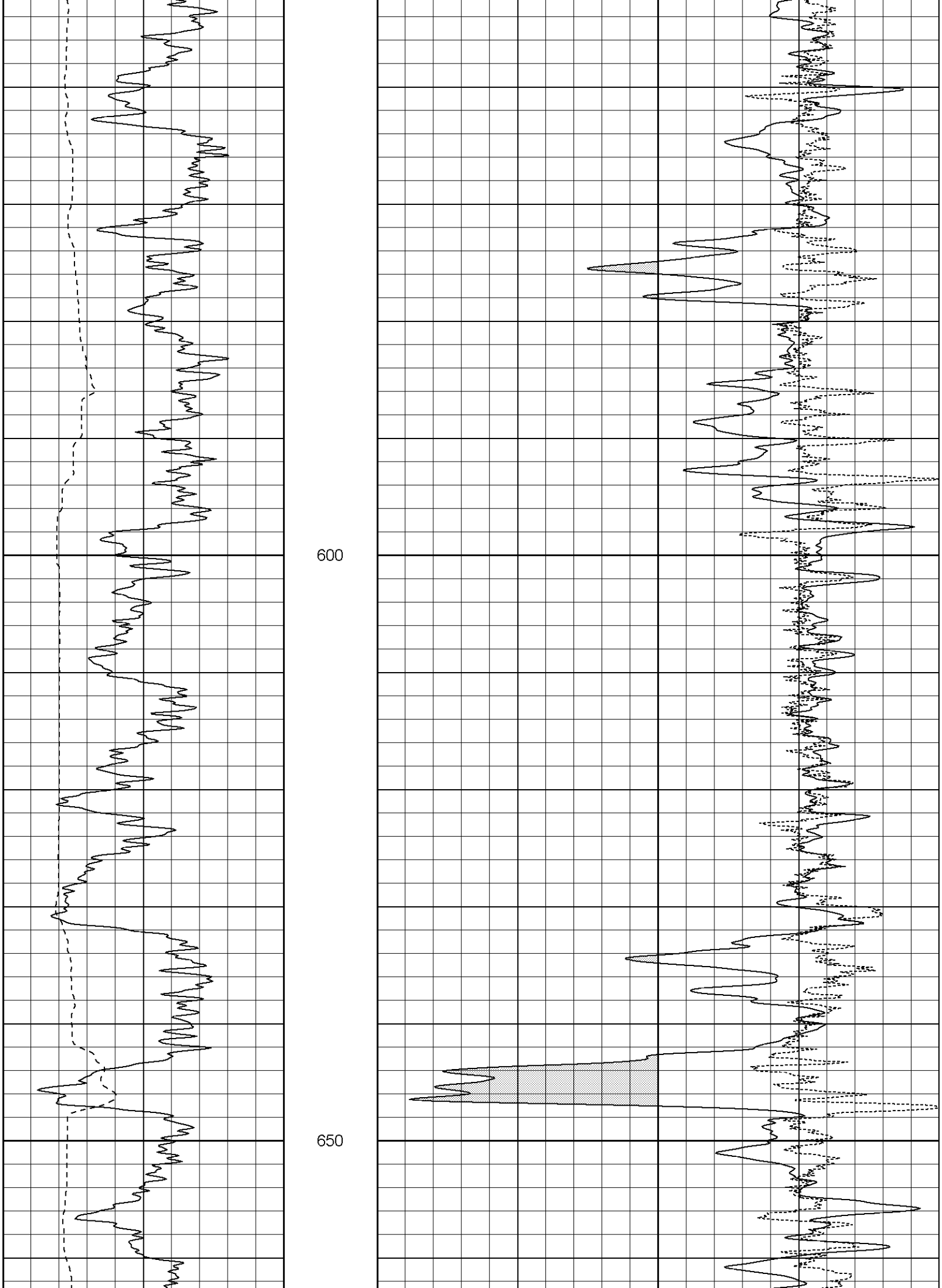
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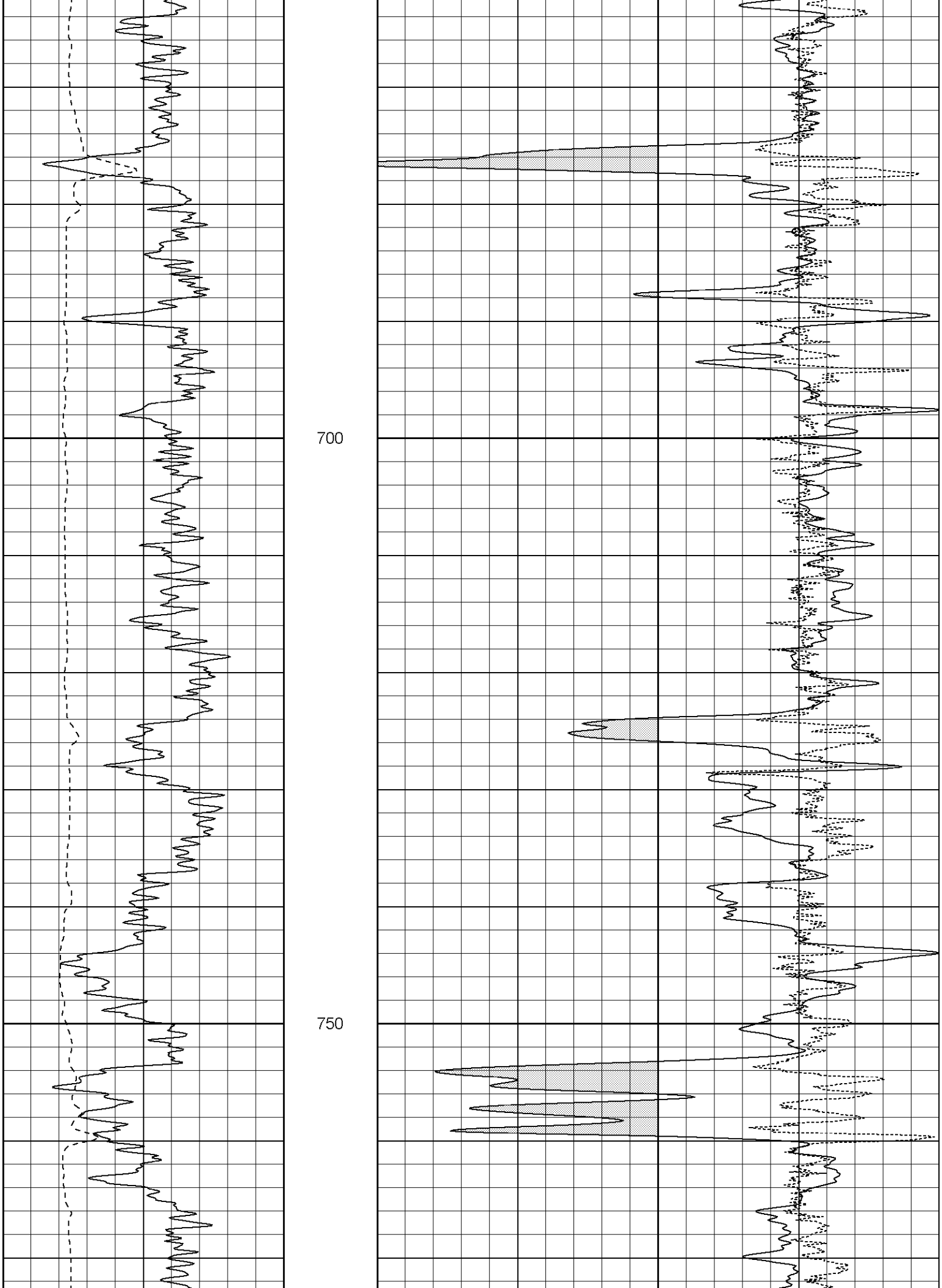
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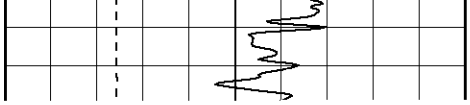

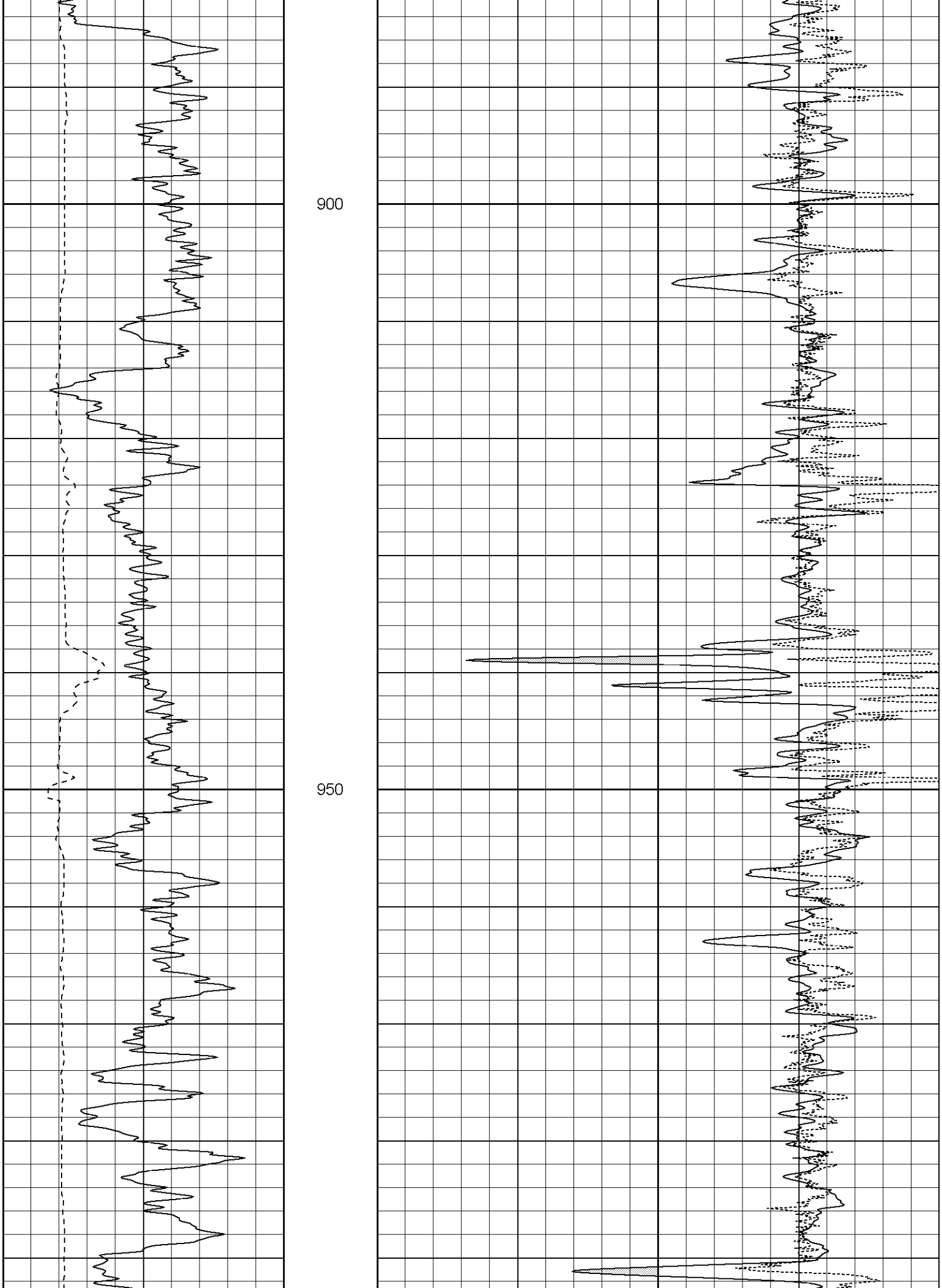
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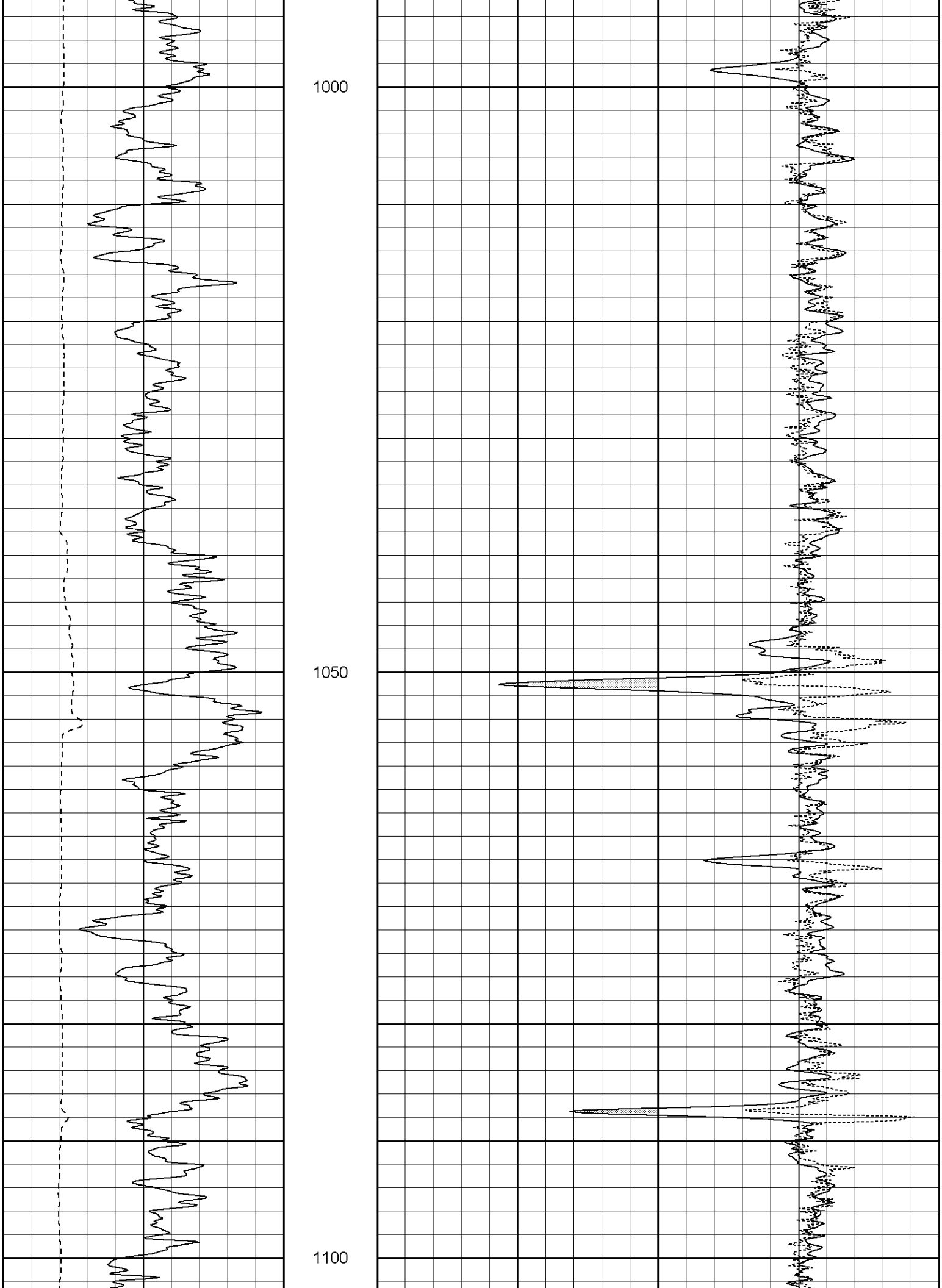
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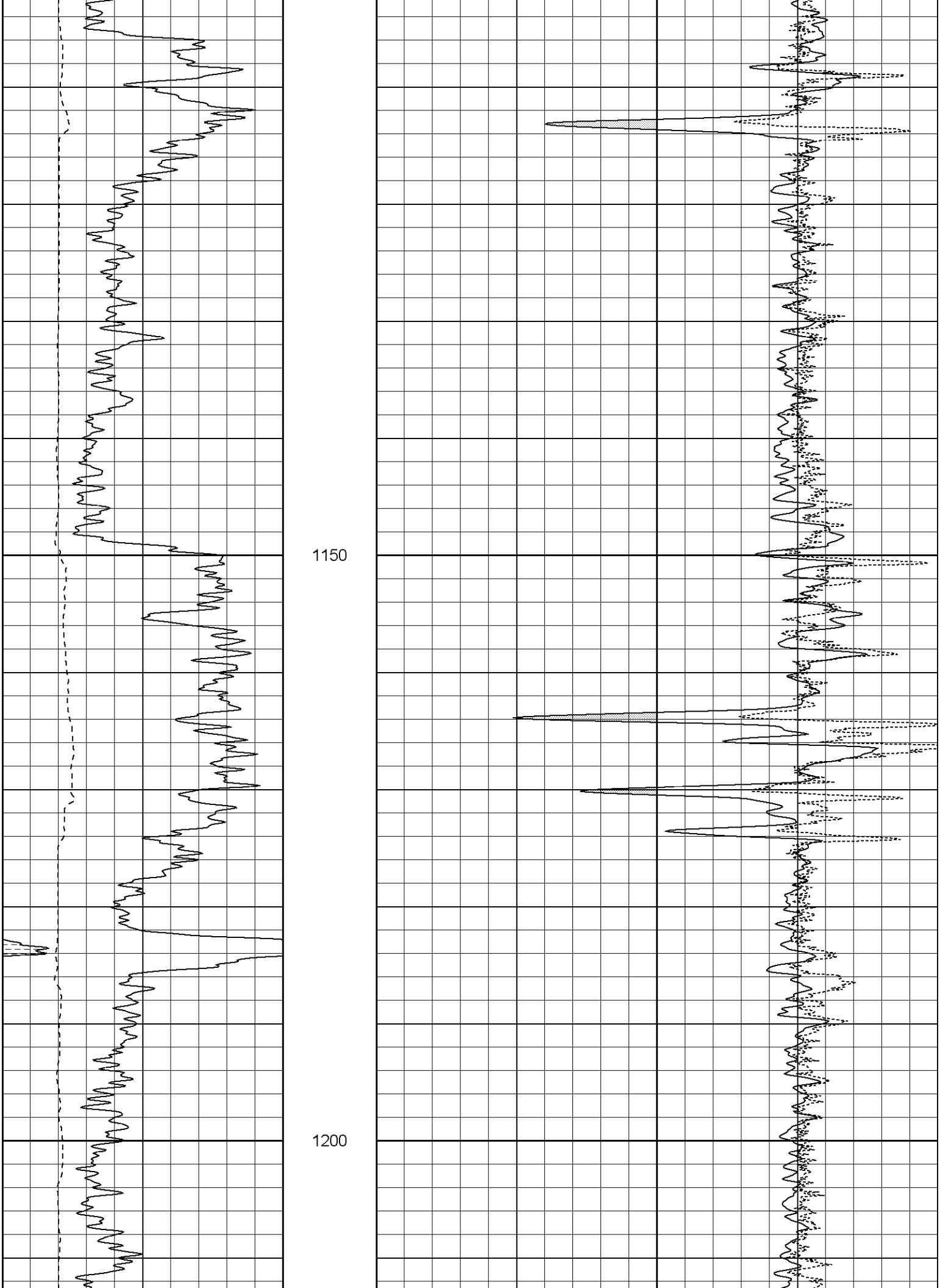
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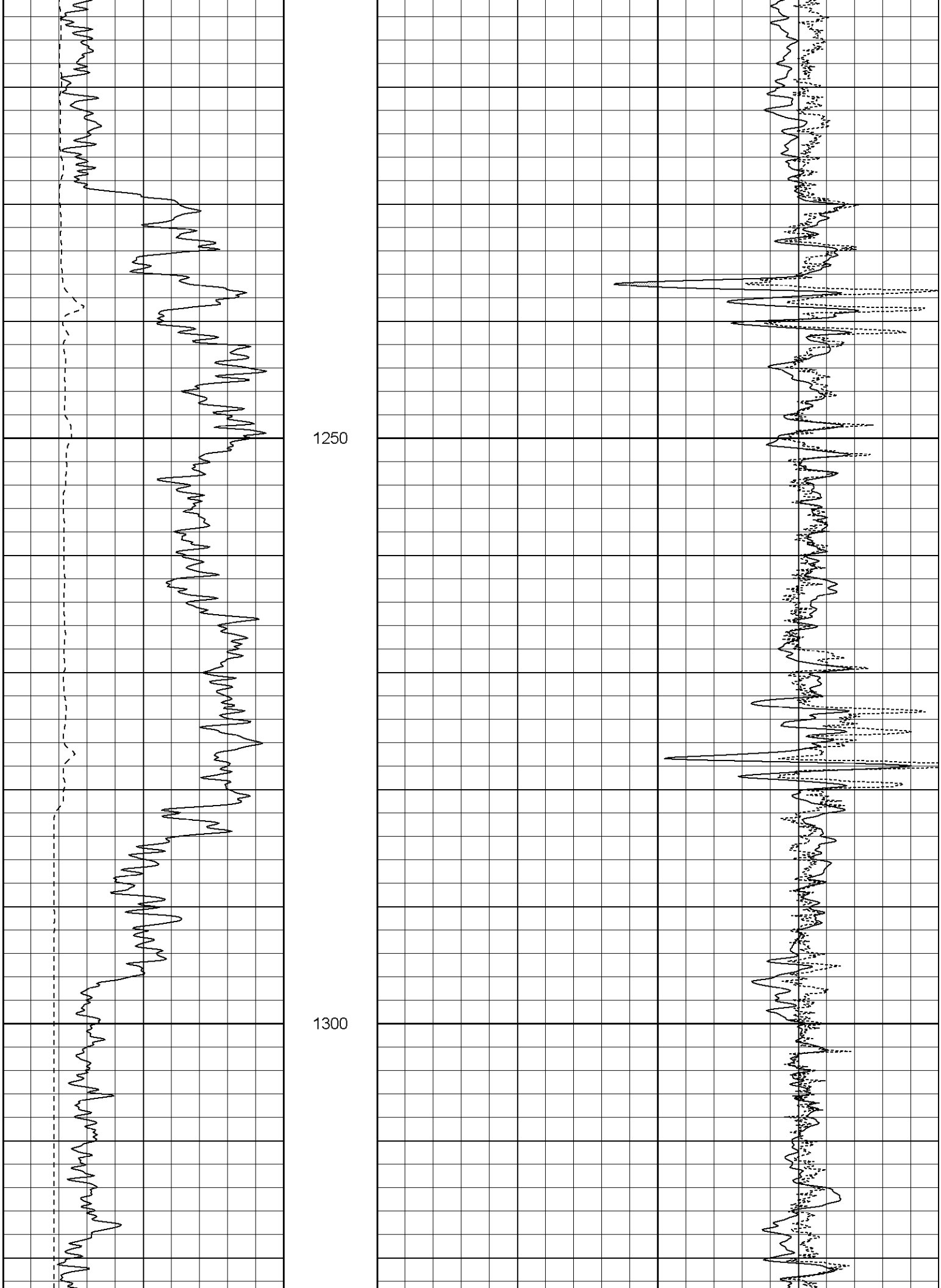
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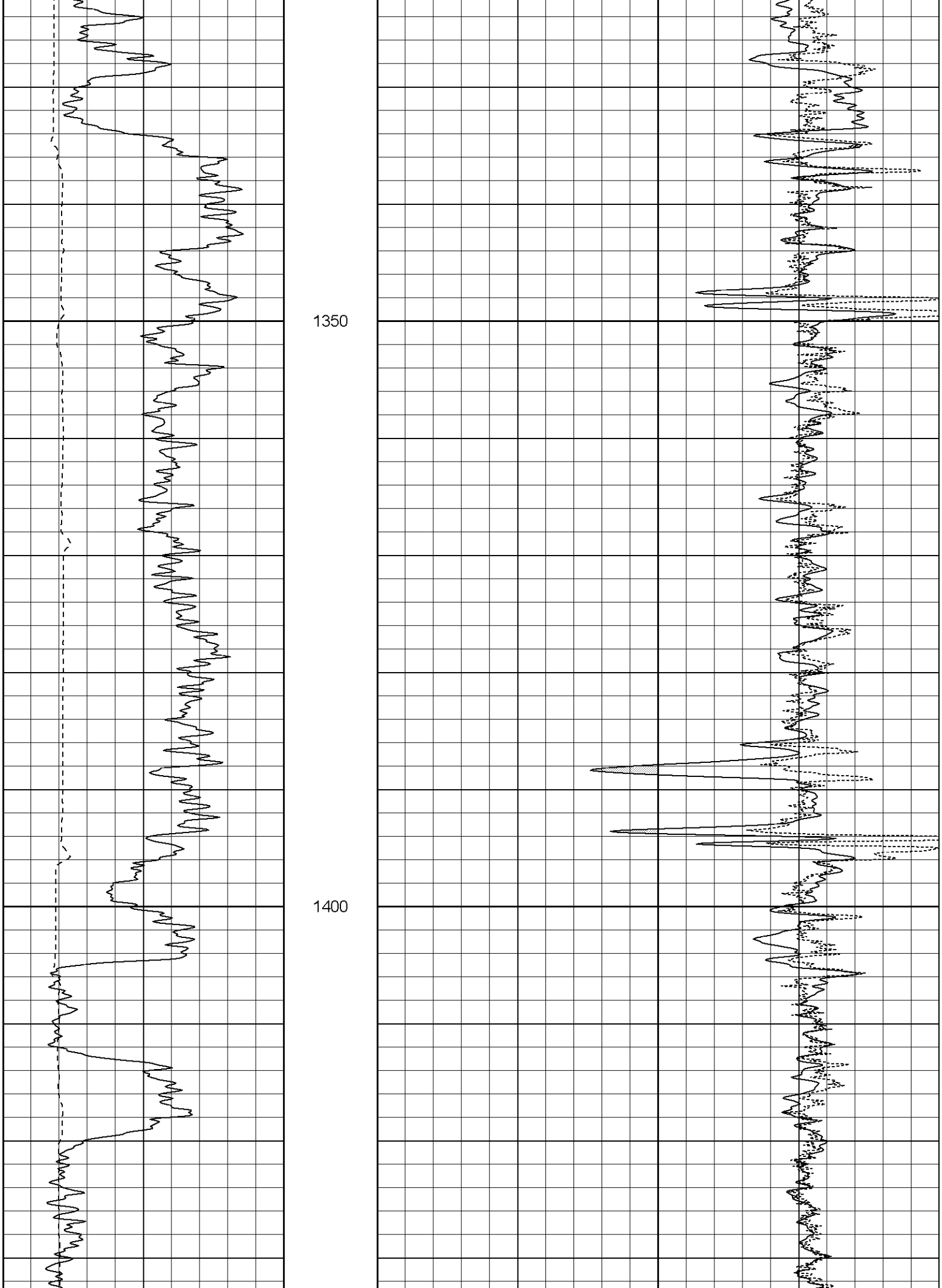
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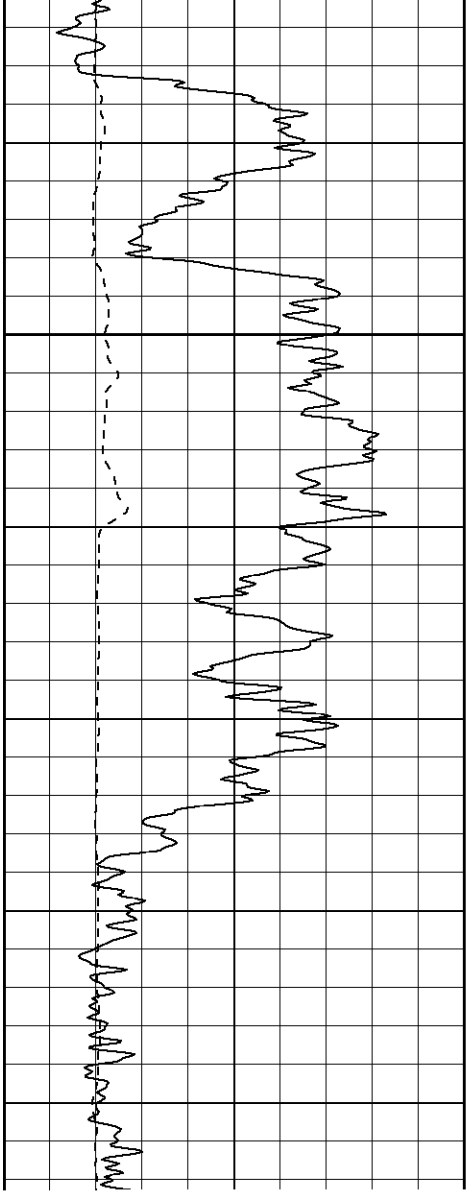

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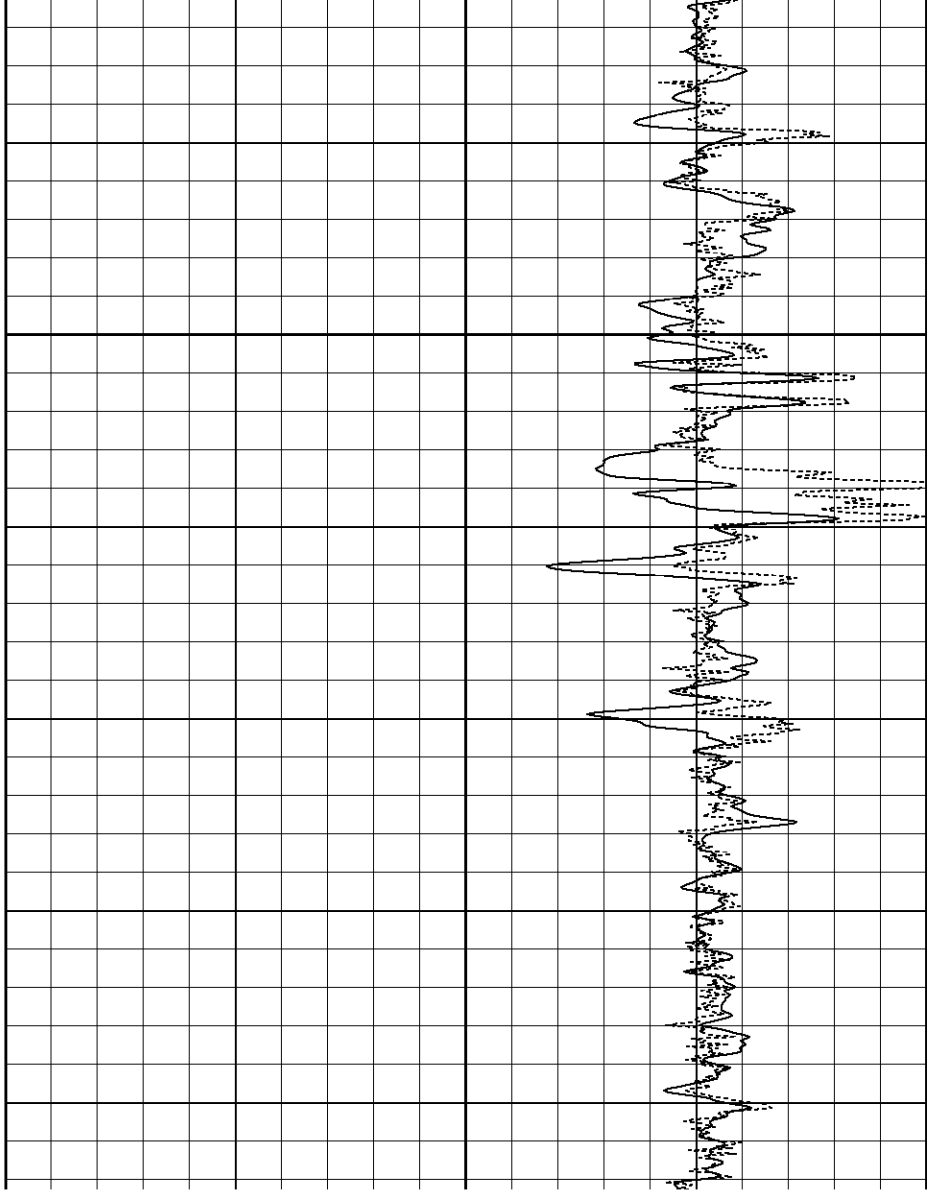

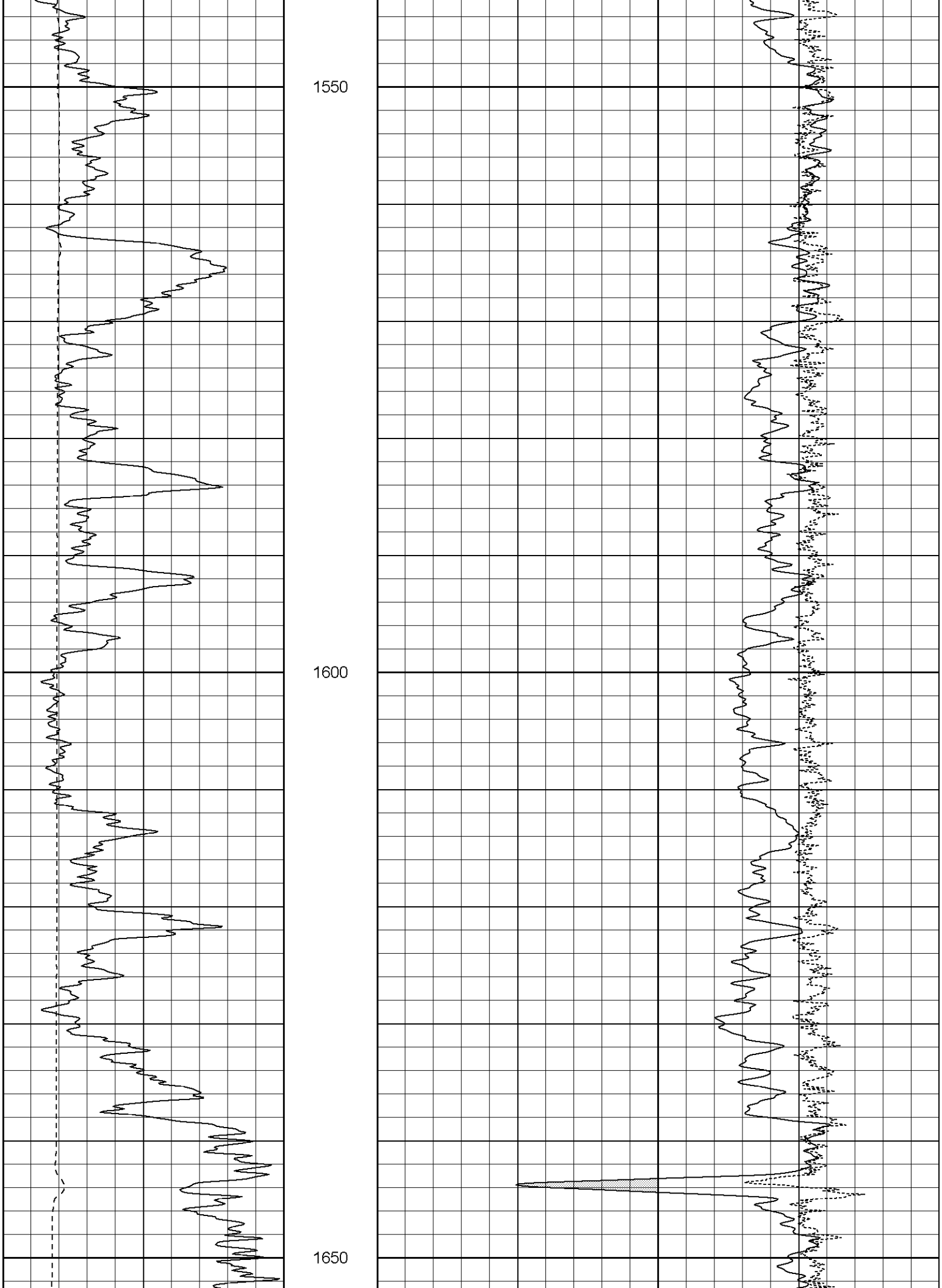
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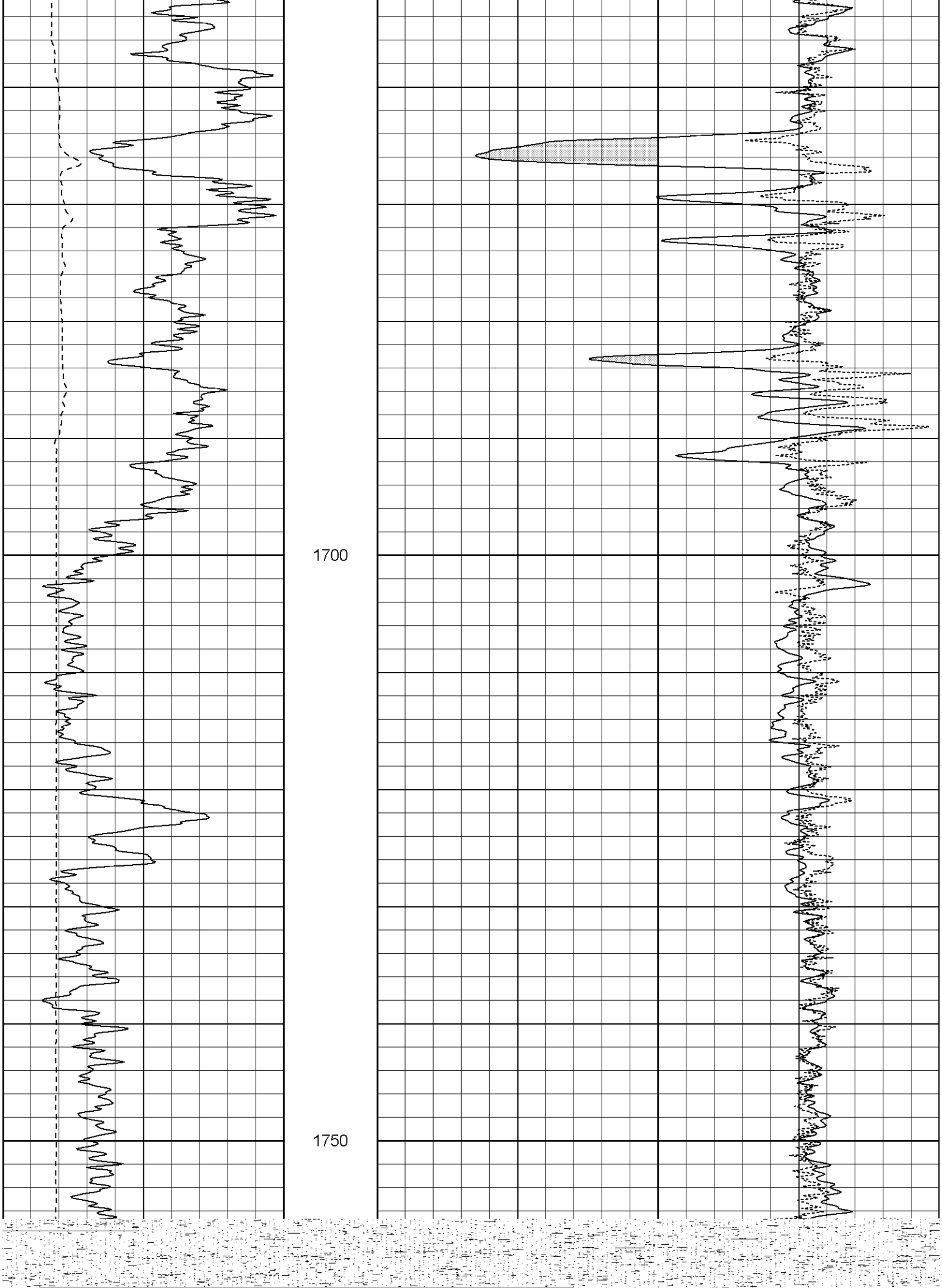
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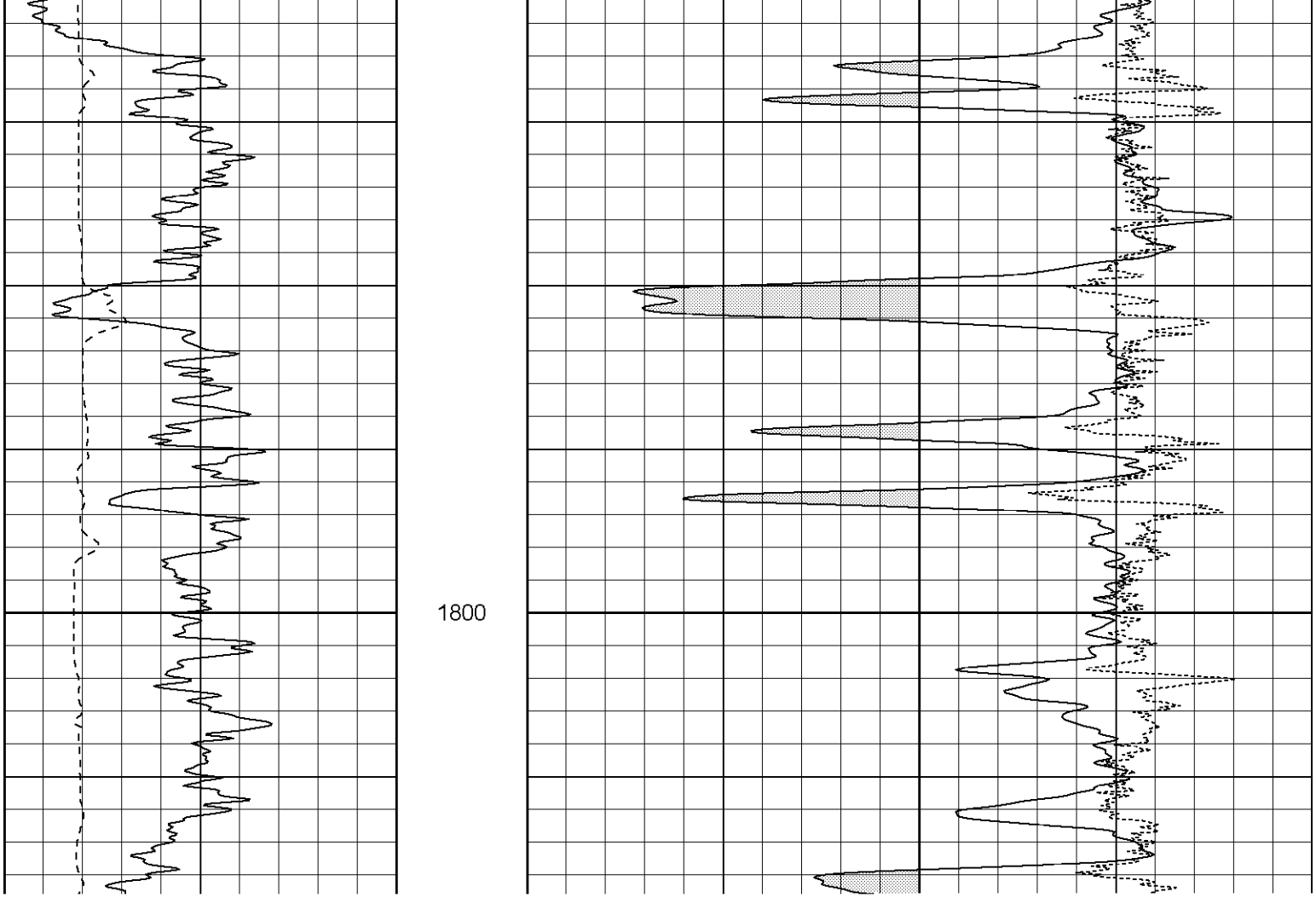
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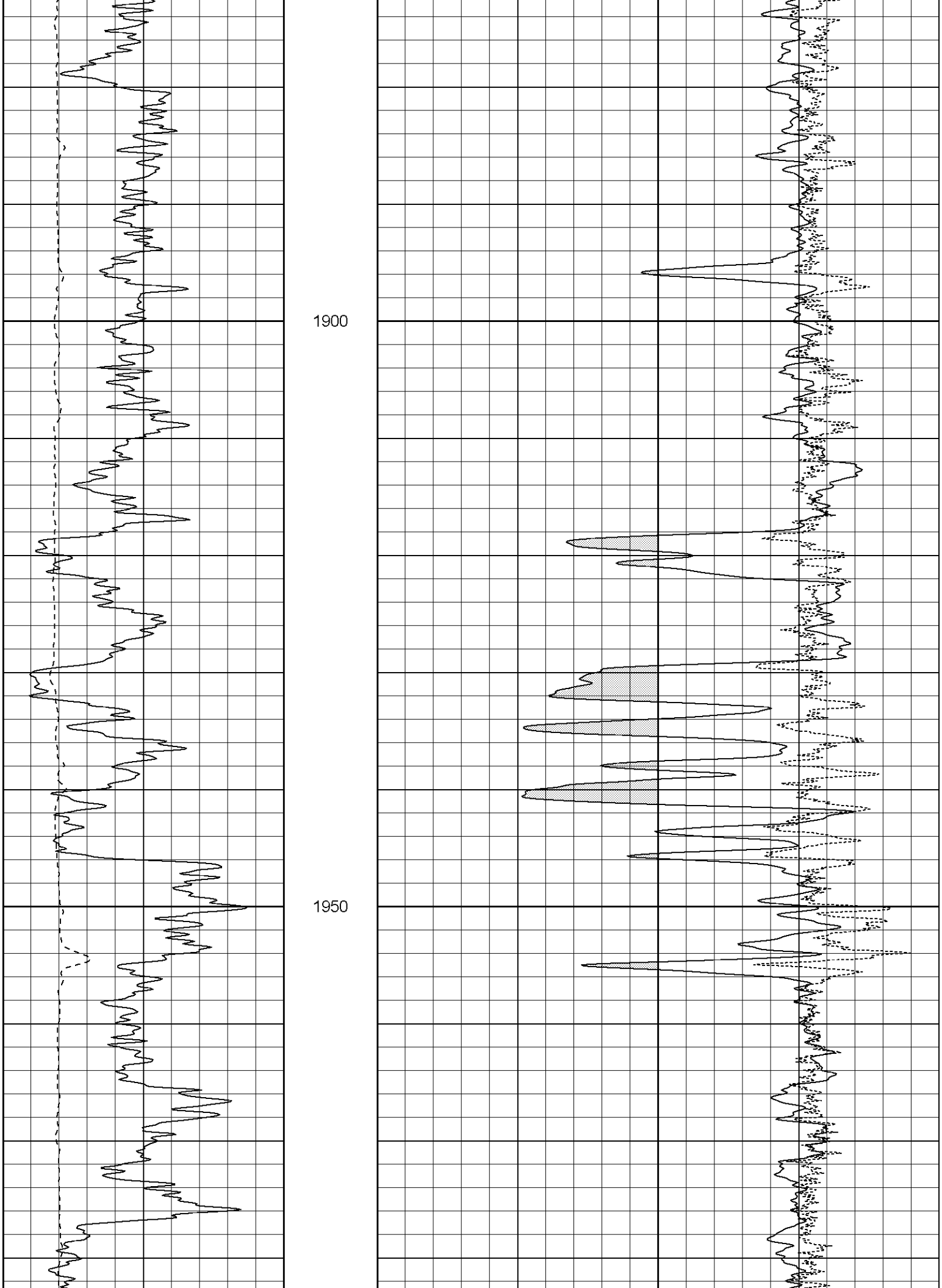
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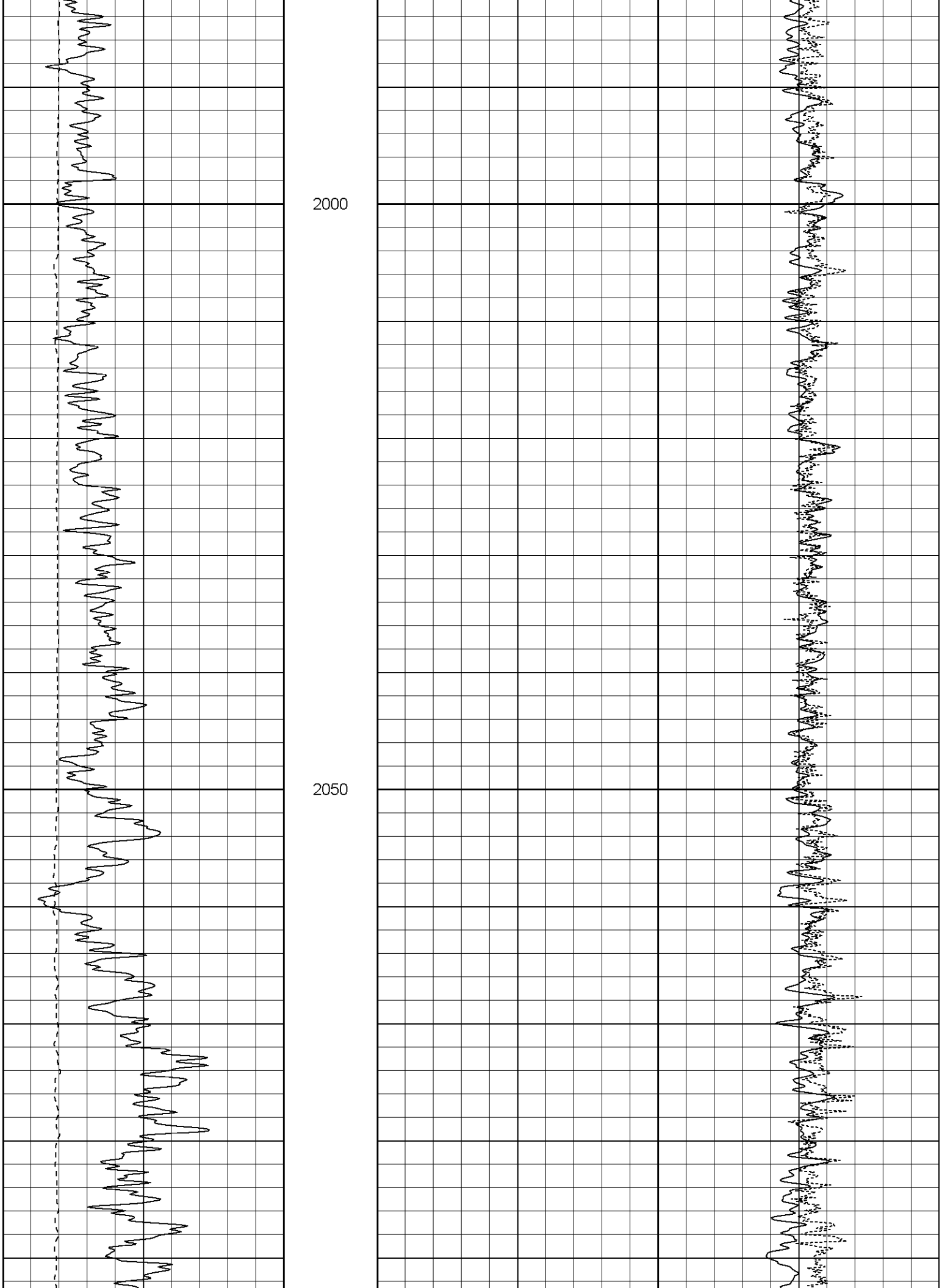
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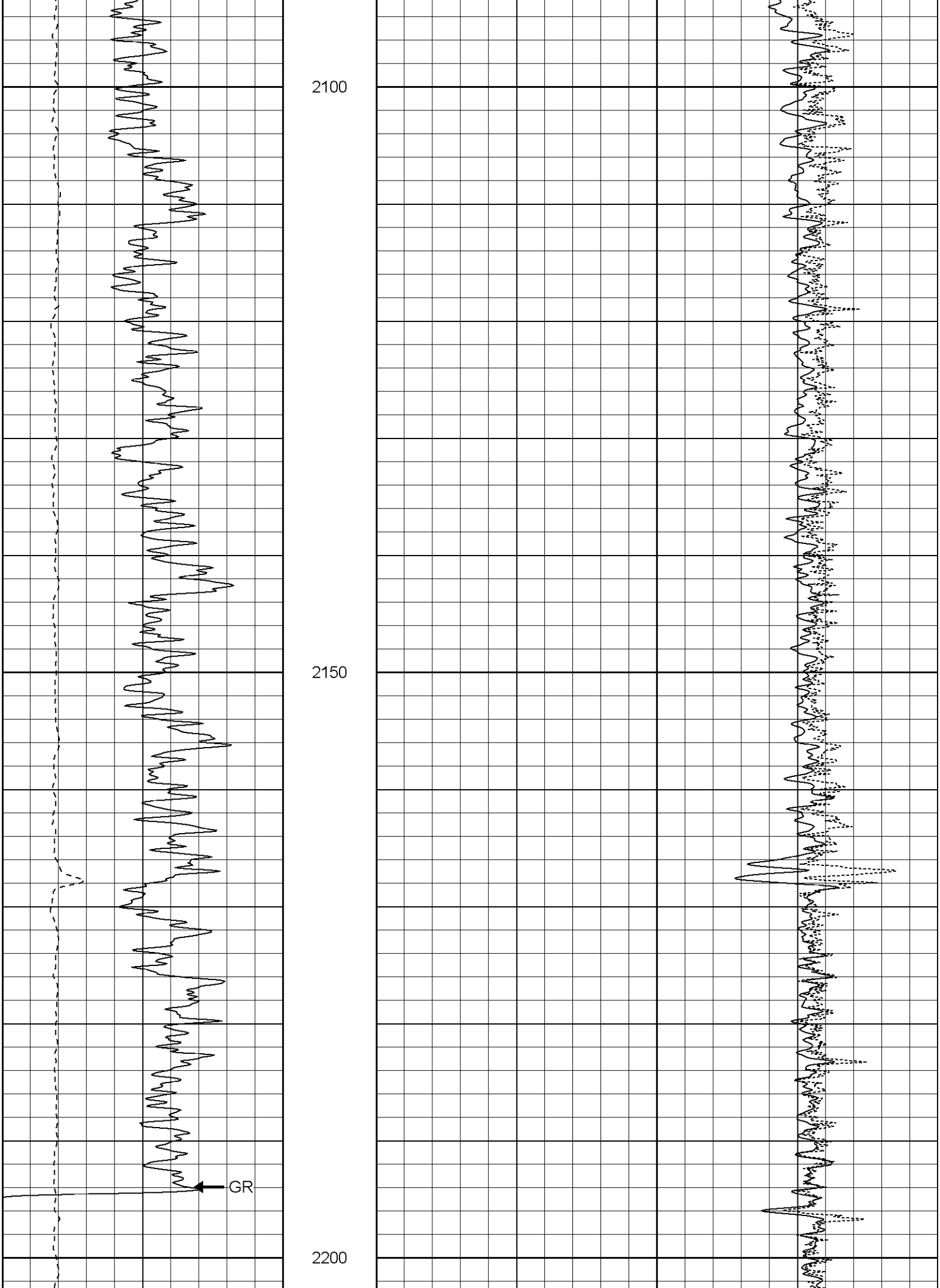
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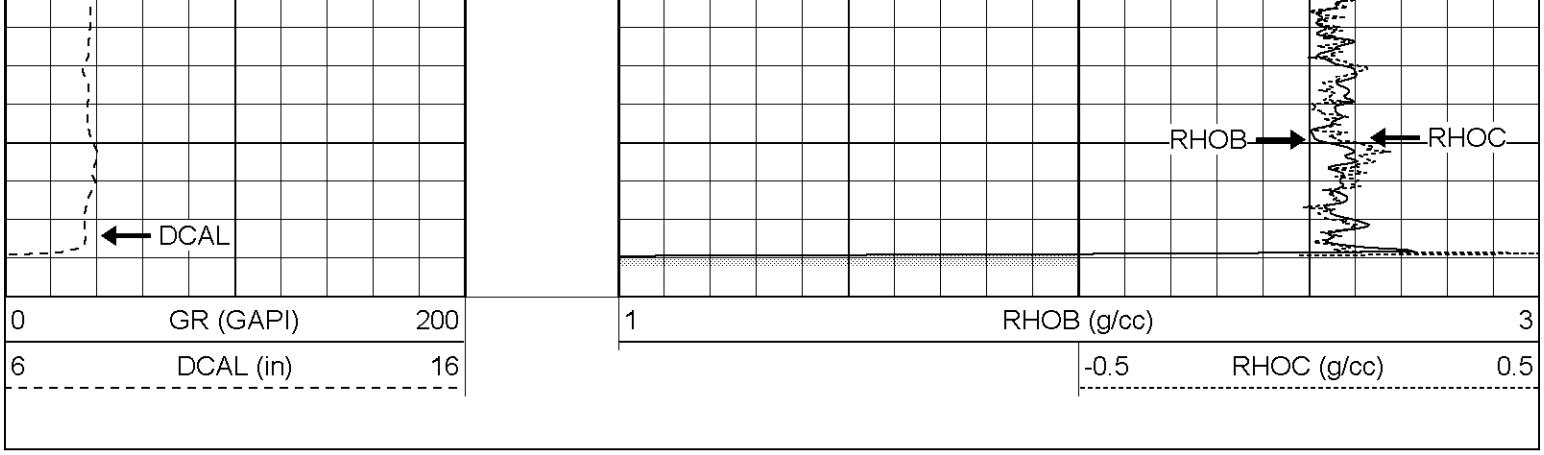

Compensated Density Calibration Report

Serial-Model:	2119-O
Source / Verifier:	csv-j12 / blks
Master Calibration Performed:	Fri Jul 07 08:48:39 2006

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1000.07	624.14	cps
Aluminum	2.590	g/cc	221.84	414.54	cps

Spine Angle = 74.80 Density/Spine Ratio = 0.564

	Size		Reading	
Small Ring	7.85	in	5.30	V
Large Ring	14.00	in	8.81	V

Gamma Ray Calibration Report

Serial Number:	2119	
Tool Model:	O	
Performed:	Tue Jun 13 22:35:32 2006	
Calibrator Value:	170.0	GAPI
Background Reading:	42.6	cps
Calibrator Reading:	139.0	cps
Sensitivity:	1.0000	GAPI/cps

Neutron Calibration Report

Serial Number:	5138	
Tool Model:	G	
Performed:	Tue Jun 27 08:34:07 2006	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
NEU	13.07		NEU-G (5138) Gearhart Epithermal	5.75	3.50	85.00

			NEG-O (2100) Geomart Epithermal	5.76	3.68	68.88
GR	7.64		GR-O (2119) Oilex	2.60	3.63	74.00
LSD	2.13		CDL-O (2119) Oilex	5.77	4.00	201.00
DCAL	1.79					
SSD	1.58					

Dataset: /field/well/run1/_plots_/_jobs_/cdl

Total Length: 14.13 ft