



SUPERIOR
Hays,
Kansas

**DUAL
INDUCTION
LOG**

Company: CAPTIVA II, LLC.
Well: #1-21 AIRPORT
Field:
County: PAWNEE
State: KANSAS

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Location: 1716' FSL & 1950' FEL
API #: 15-145-21629-0000
SEC 21 TWP 21S RGE 16W
Permanent Datum: GROUND LEVEL
Log Measured From: KELLY BUSHING 11' A.G.L.
Drilling Measured From: KELLY BUSHING
Elevation: 2010
Other Services: CDL/CNL MEL/SON
Elevation: K.B. 2021 D.F. 2019 G.L. 2010

Date	5/24/11		
Run Number	ONE		
Depth Driller	3980		
Depth Logger	3980		
Bottom Logged Interval	3978		
Top Log Interval	0		
Casing Driller	8 5/8" @ 1038		
Casing Logger			
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6500 PPM	
Density / Viscosity	9.1 / 66		
pH / Fluid Loss	12.0 / 8.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.75 @ 90F		
Rmf @ Meas. Temp	.56 @ 90F		
Rmc @ Meas. Temp	.90 @ 90F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.58 @ 116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	116F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JEFF GRONEMEG		
Witnessed By	CHARLIE STURDAVANT		

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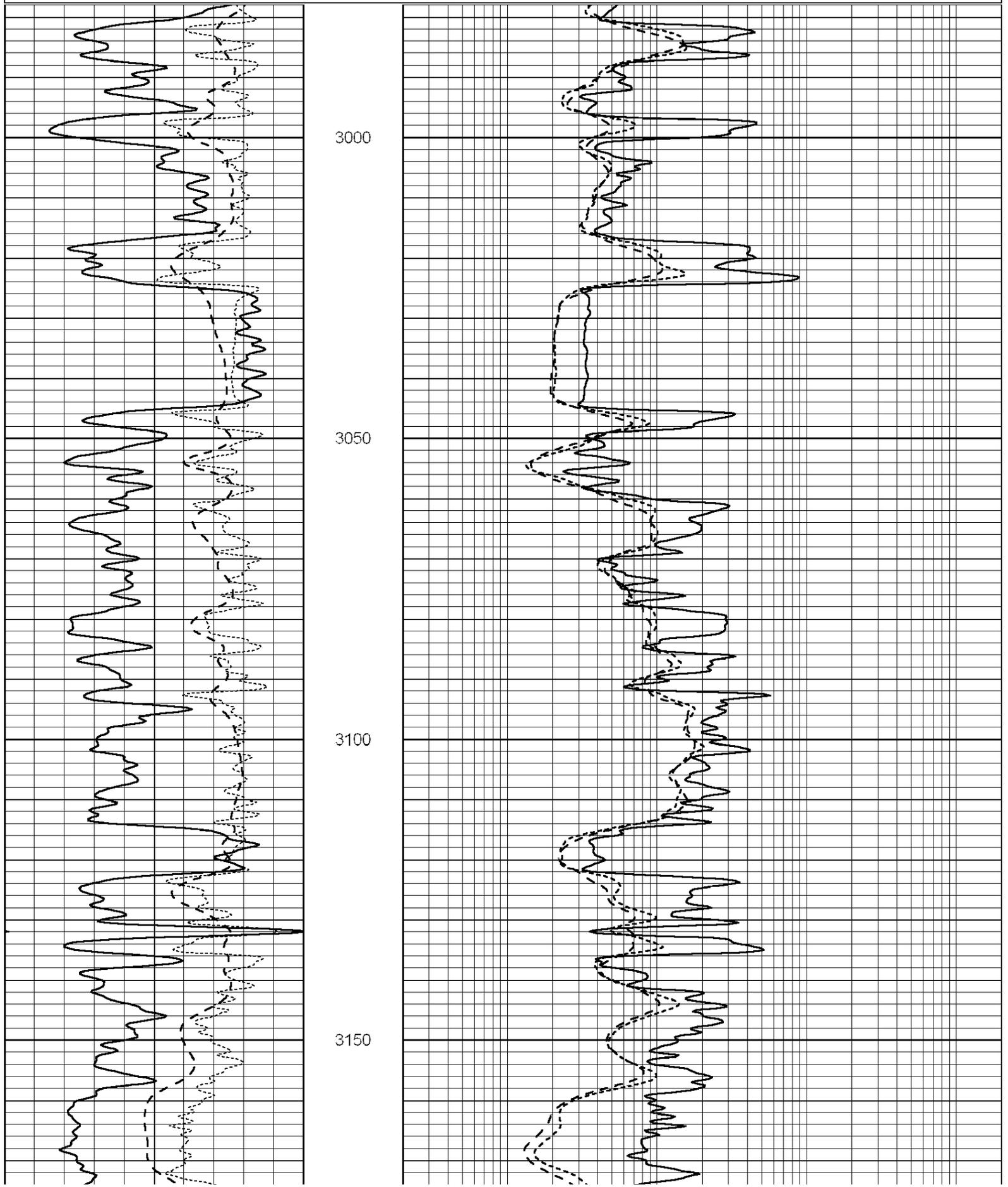
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

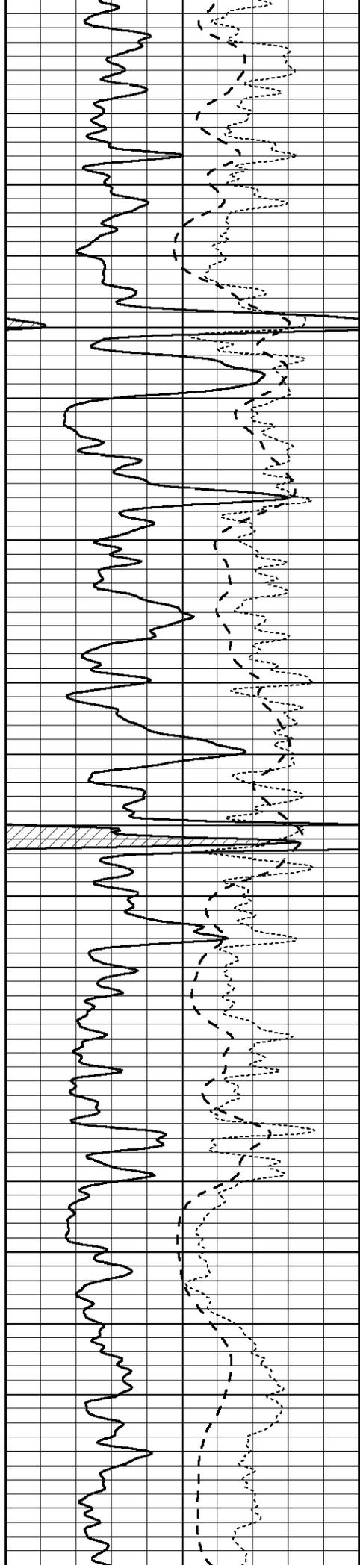
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
LARNED, KS - NORTH & EAST FROM 4 WAY STOP 2 MILES - NORTH INTO

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



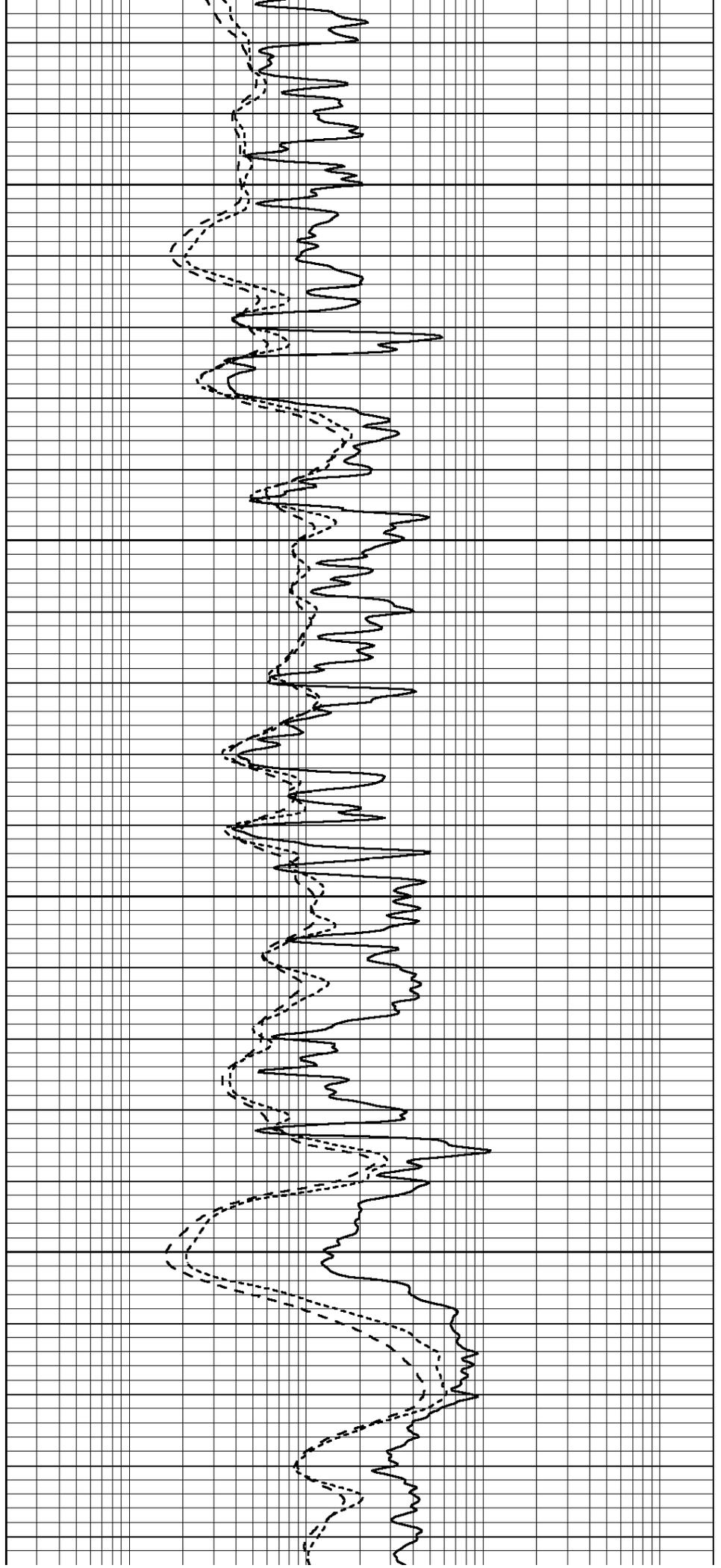


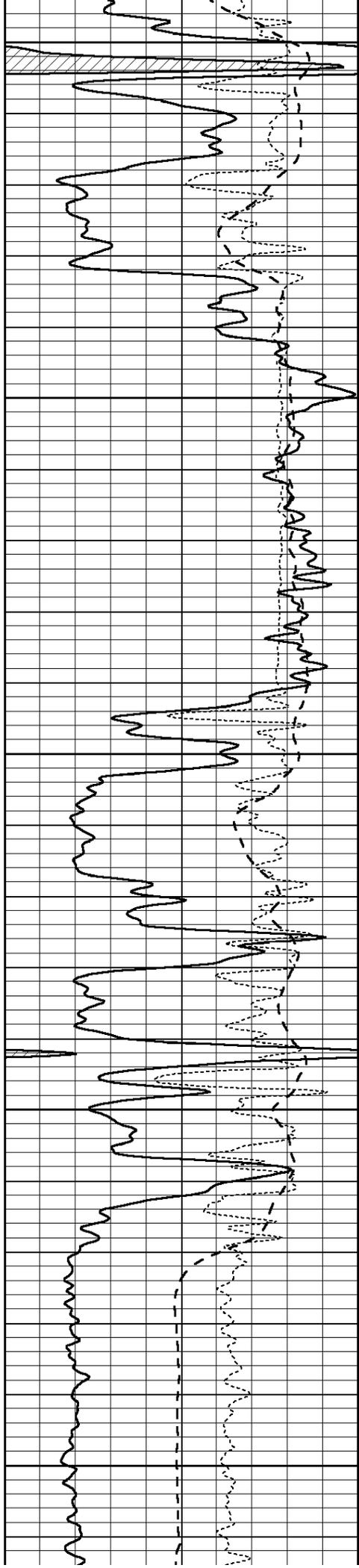
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3250

3300

3350





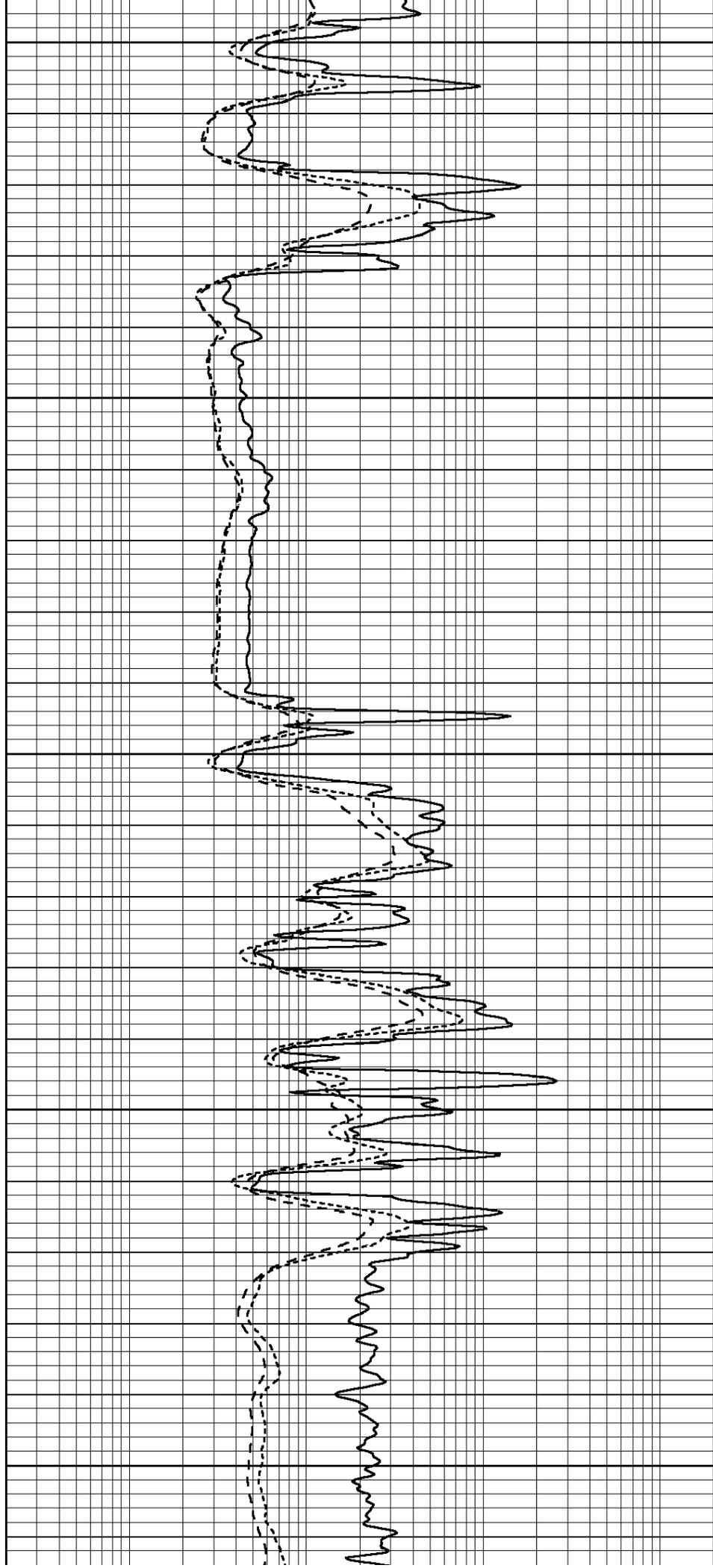
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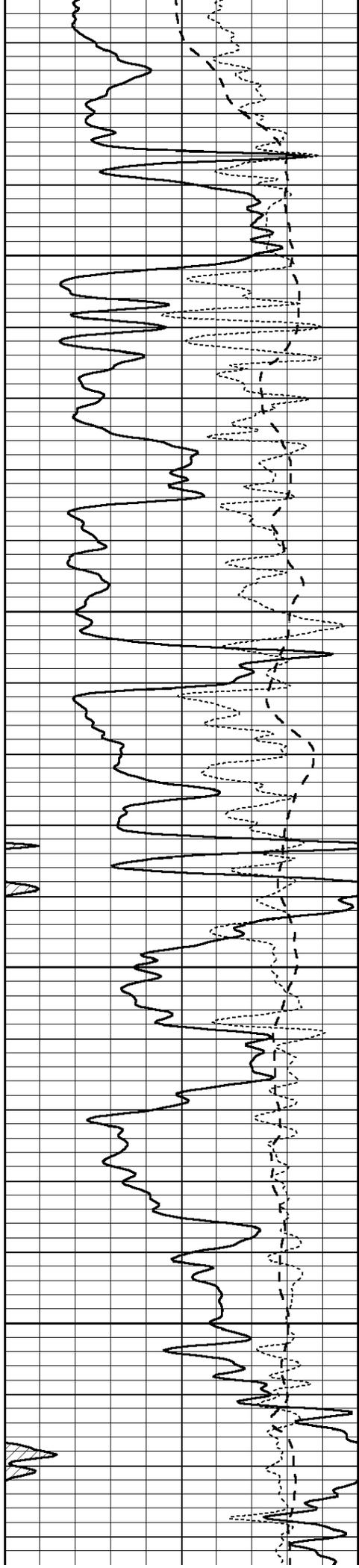
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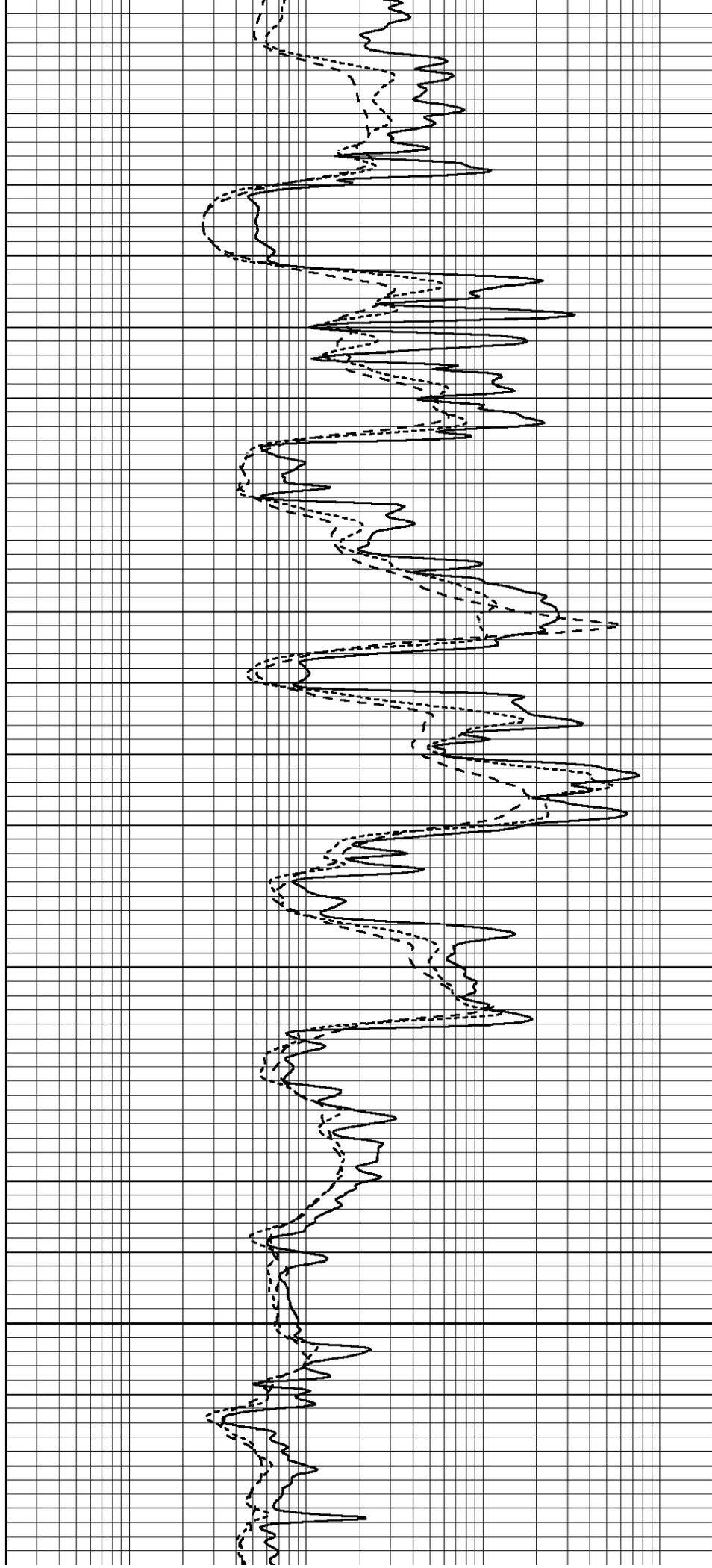


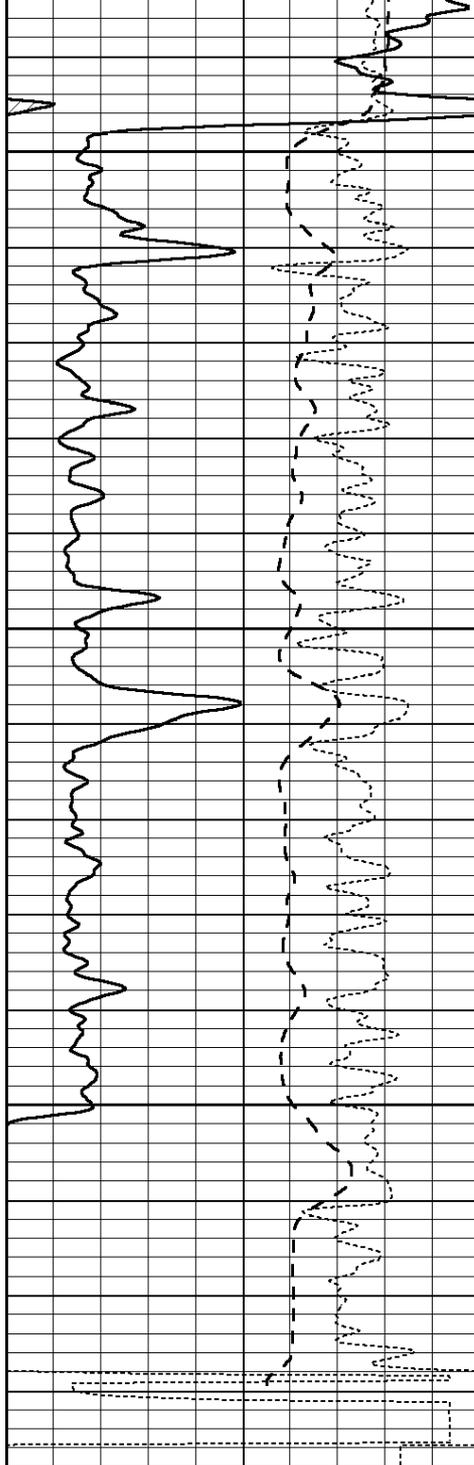
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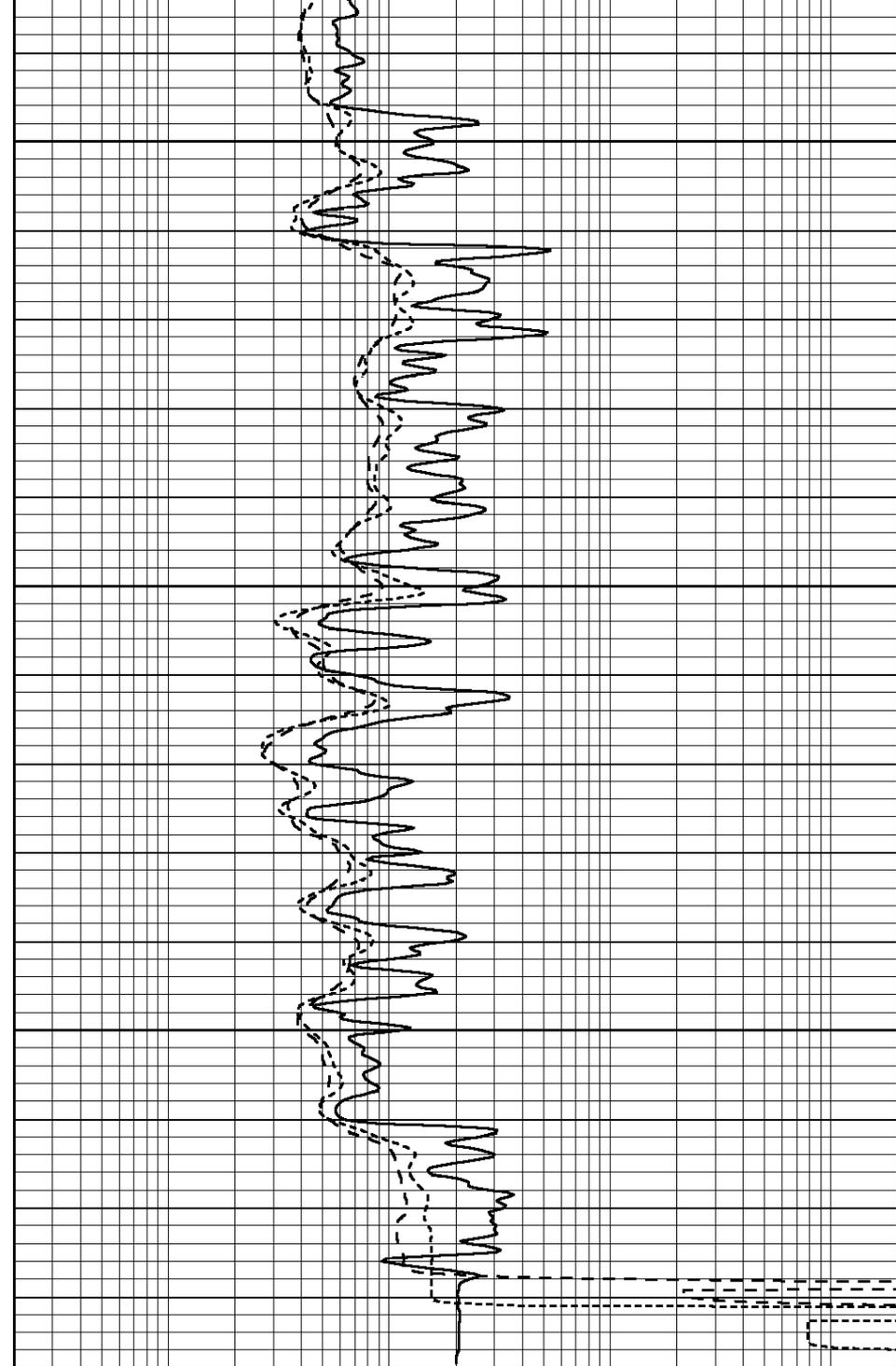


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