



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

DUAL INDUCTION LOG

Company		RITCHIE EXPLORATION, INC.	
Well		BAKER 31B #1	
Field		WILDCAT	
County		LOGAN	
State		KANSAS	
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Well		BAKER 31B #1	
Field		WILDCAT	
County		LOGAN	
State		KANSAS	
Location:		API # : 15-109-21773-0000	
SEC 31 TWP 15S RGE 34W		2235' FNL & 1090' FWL	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 5' A.G.L.	
Drilling Measured From		KELLY BUSHING	
Elevation		3055	
Other Services		CDL/CNL	
MEL		K.B. 3060	
		D.F. 3058	
		G.L. 3055	
Date	4/17/14		
Run Number	ONE		
Depth Driller	4780		
Depth Logger	4782		
Bottom Logged Interval	4780		
Top Log Interval	0		
Casing Driller	8 5/8" @ 253		
Casing Logger			
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7000 PPM	
Density / Viscosity	9.4 / 59		
pH / Fluid Loss	10.5 / 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 86F		
Rmt @ Meas. Temp	0.90 @ 86F		
Rmc @ Meas. Temp	1.44 @ 86F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	0.84 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	123F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEWEG		
Witnessed By	MACKLIN ARMSTRONG		

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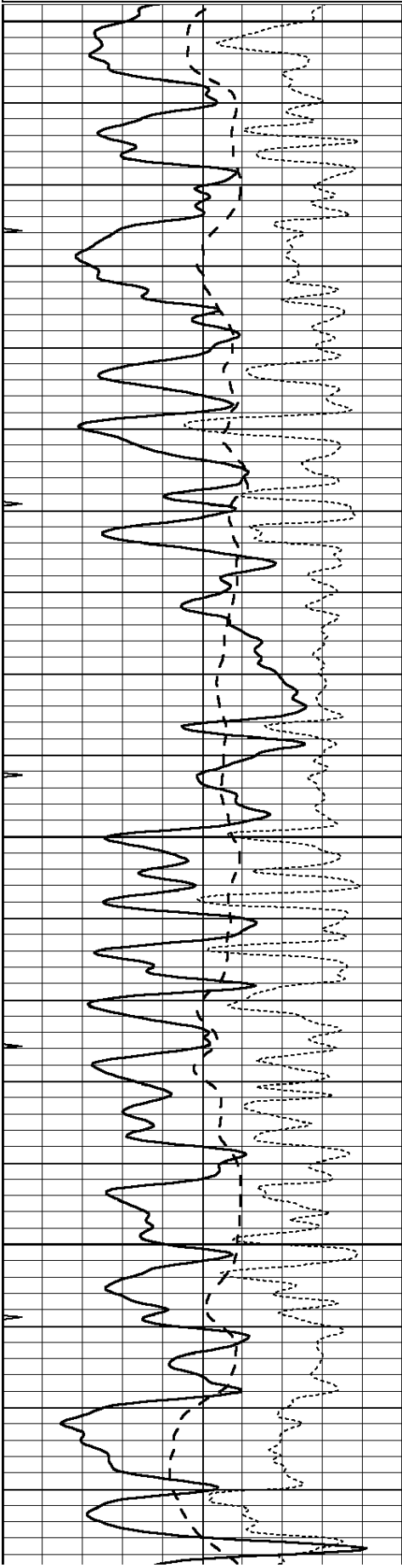
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
OAKLEY, KS - SOUTH TO HWY 95 - WEST & SOUTH TO RD 270 (PENCE RD)
WEST TO THE COUNTY LINE - 4 1/2 MILES NORTH - WEST INTO

Database File: 24227ddn.db
Dataset Pathname: pass3.2.2
Presentation Format: _dil
Dataset Creation: Thu Apr 17 16:43:00 2014
Charted by: Depth in Feet scaled 1:240

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



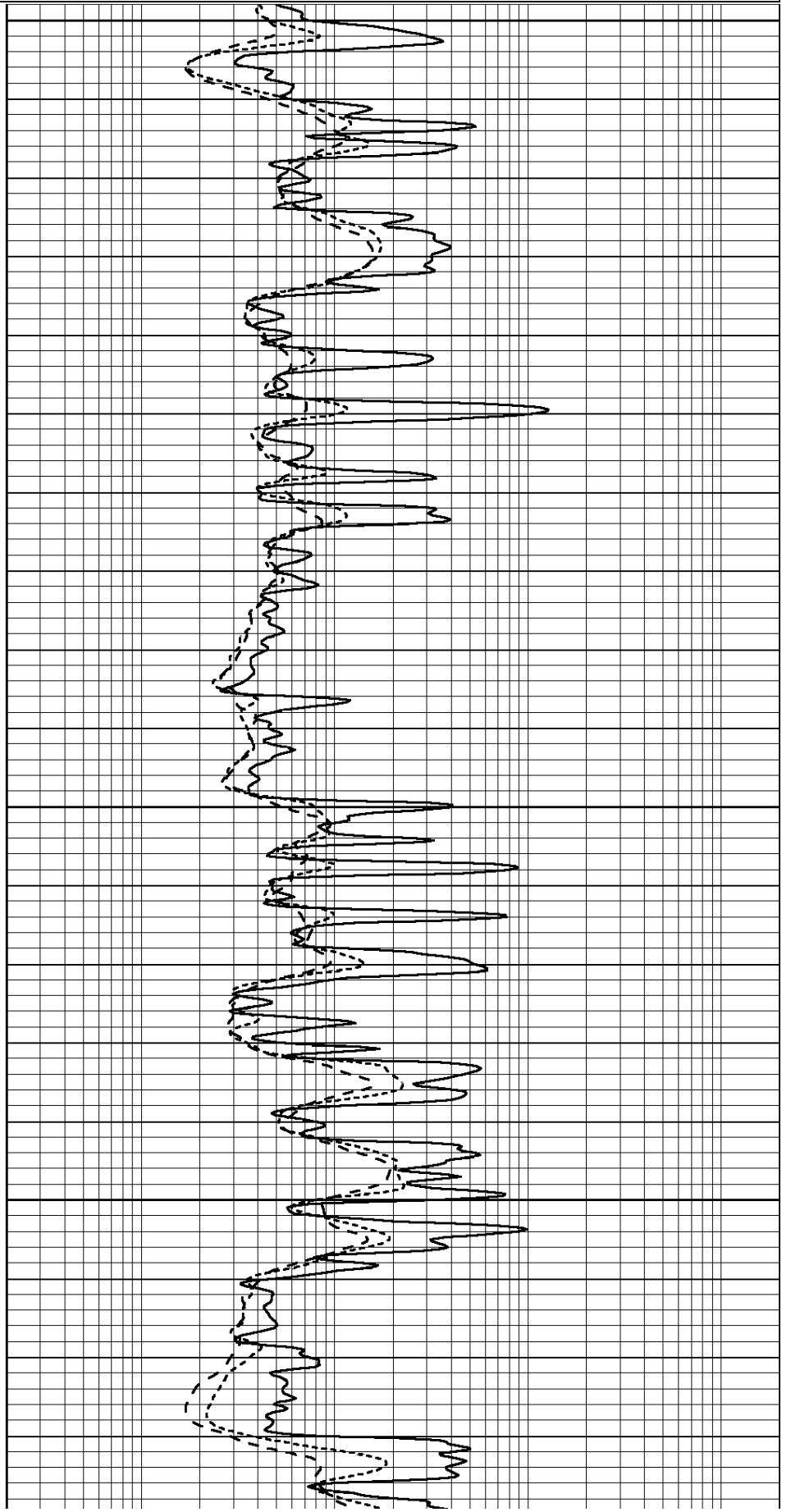
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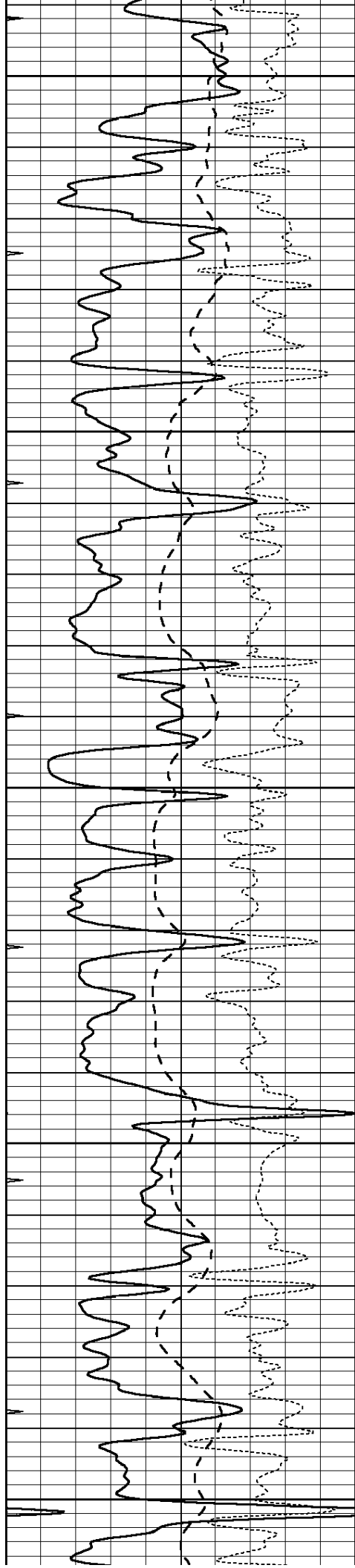
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3500

3550

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





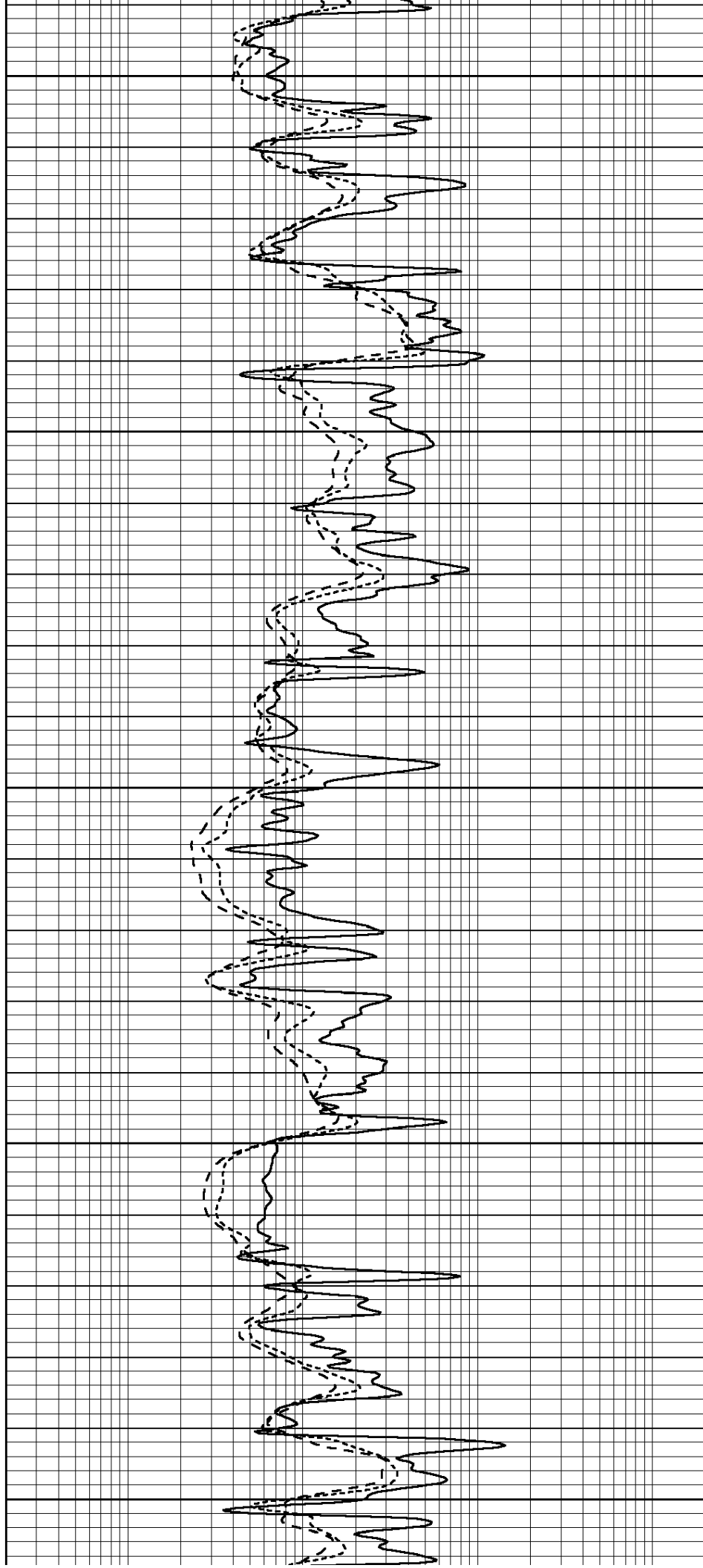
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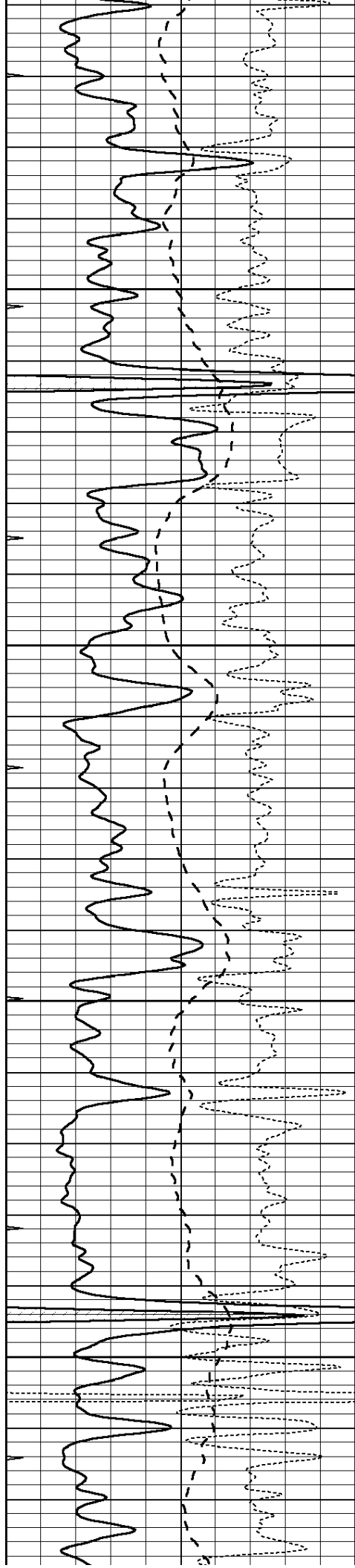
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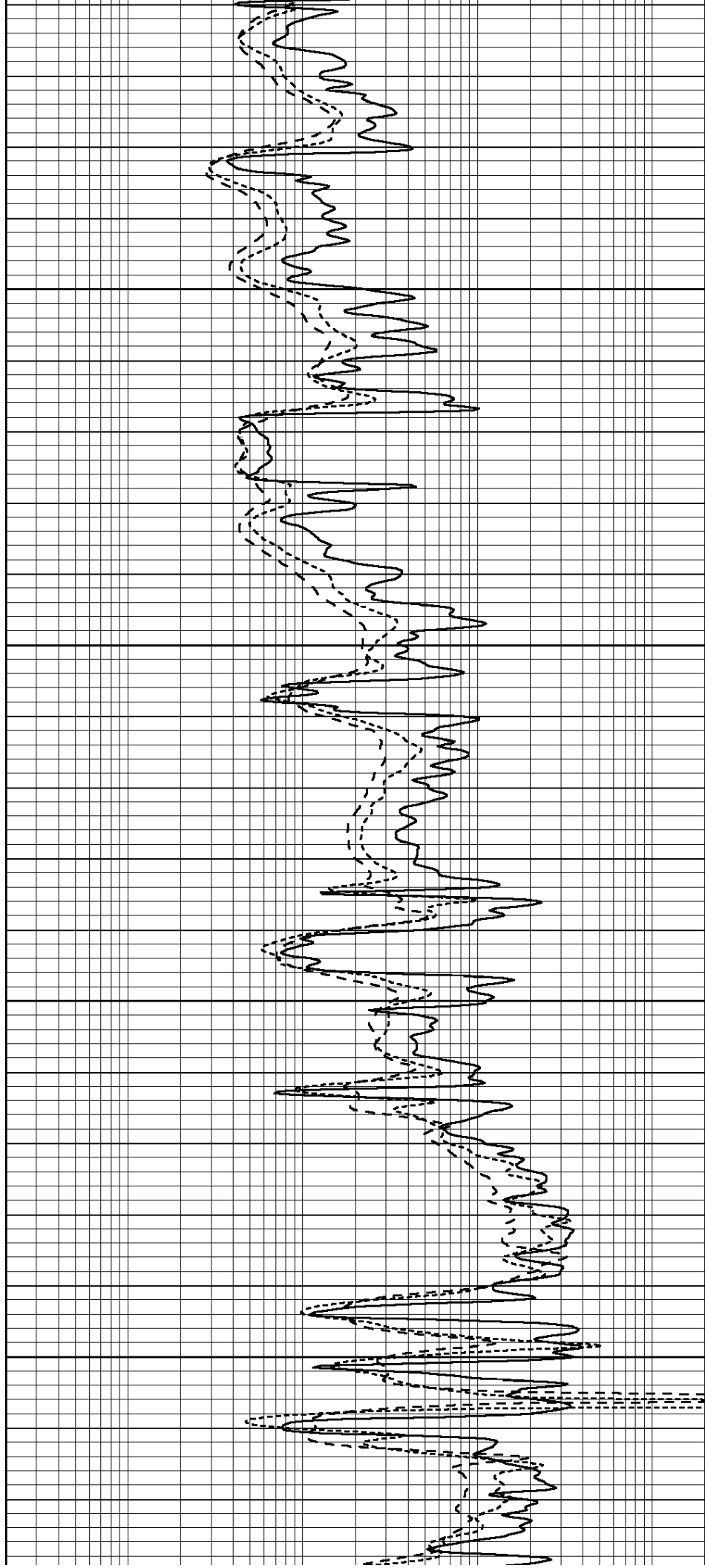


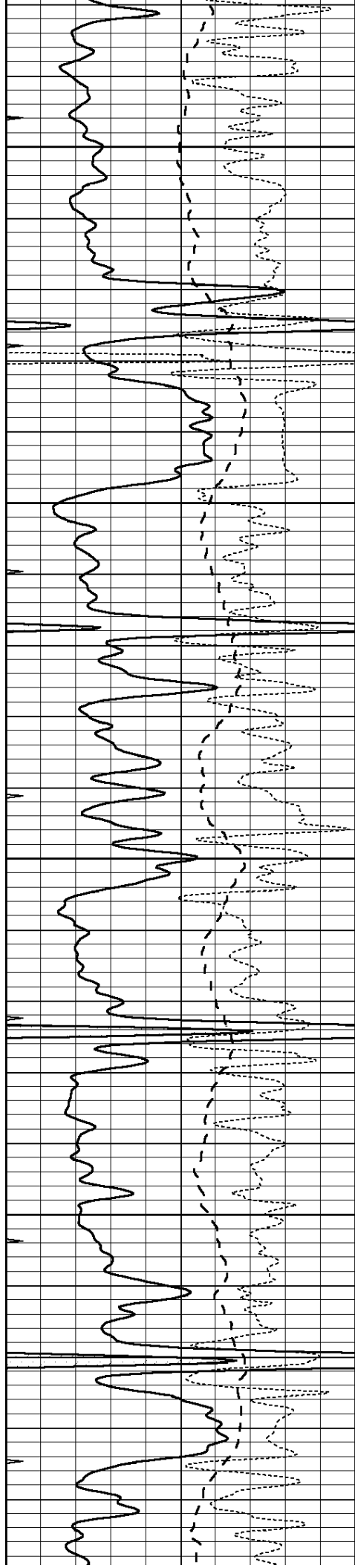
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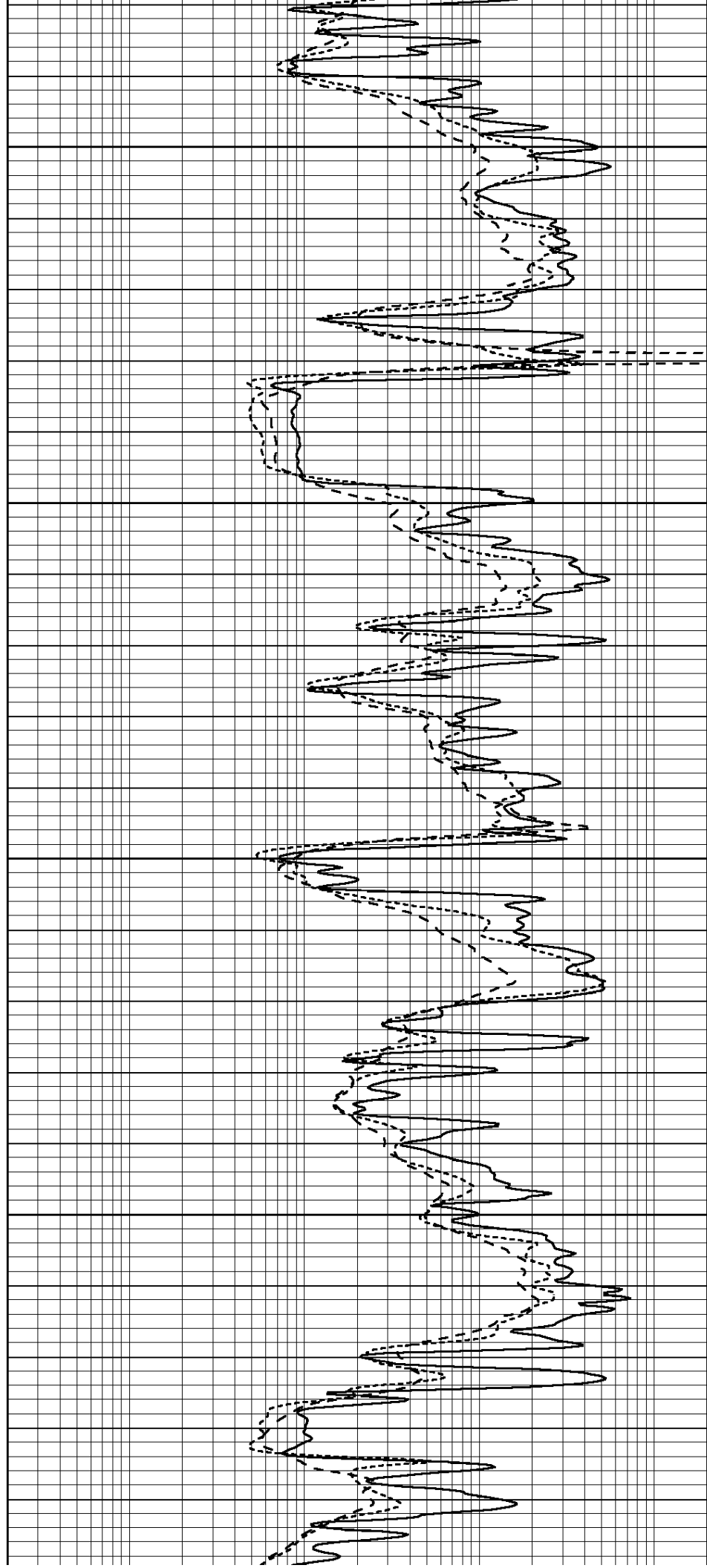


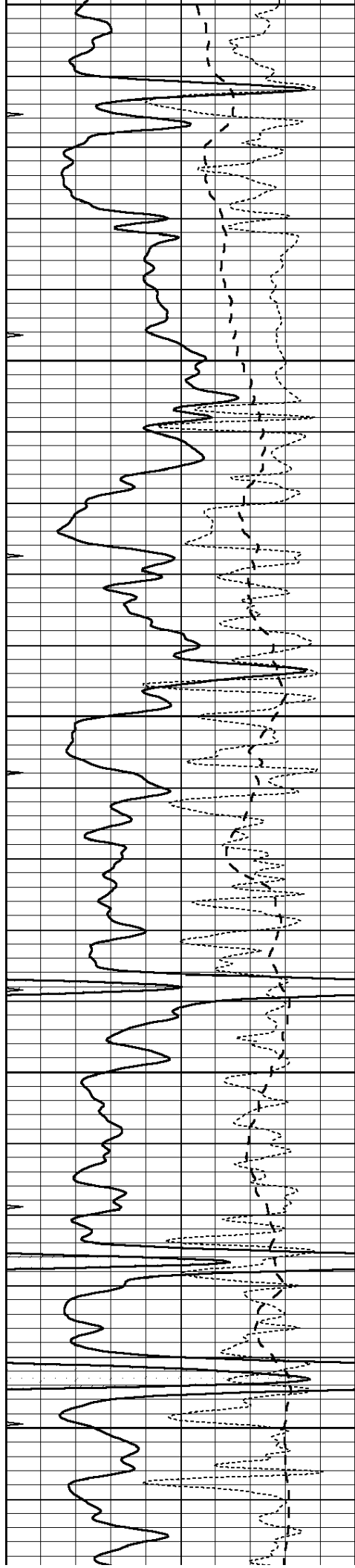
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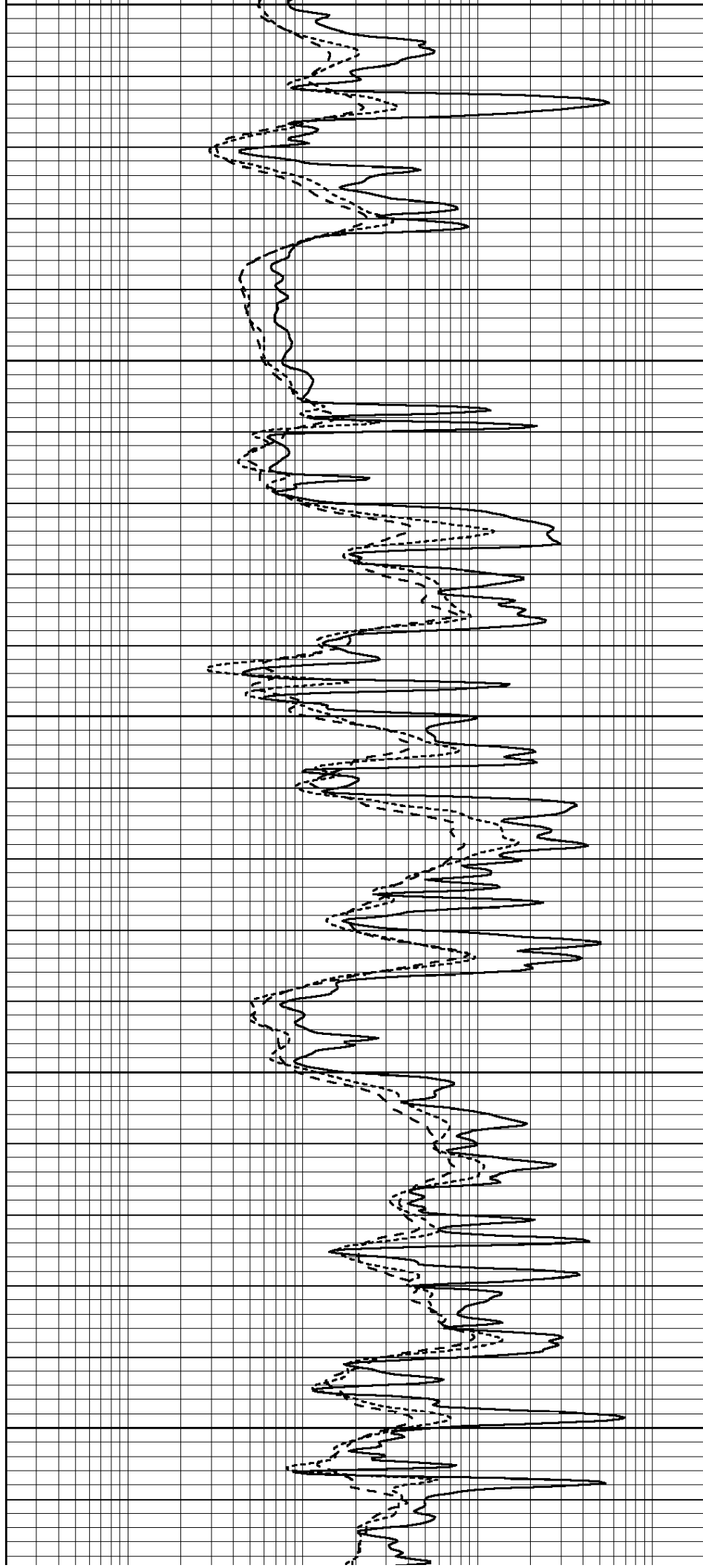
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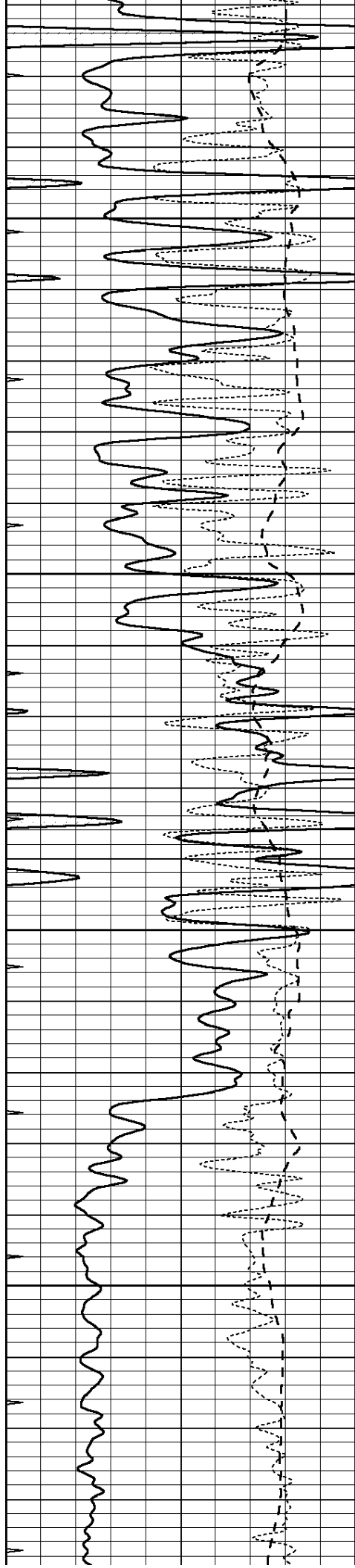
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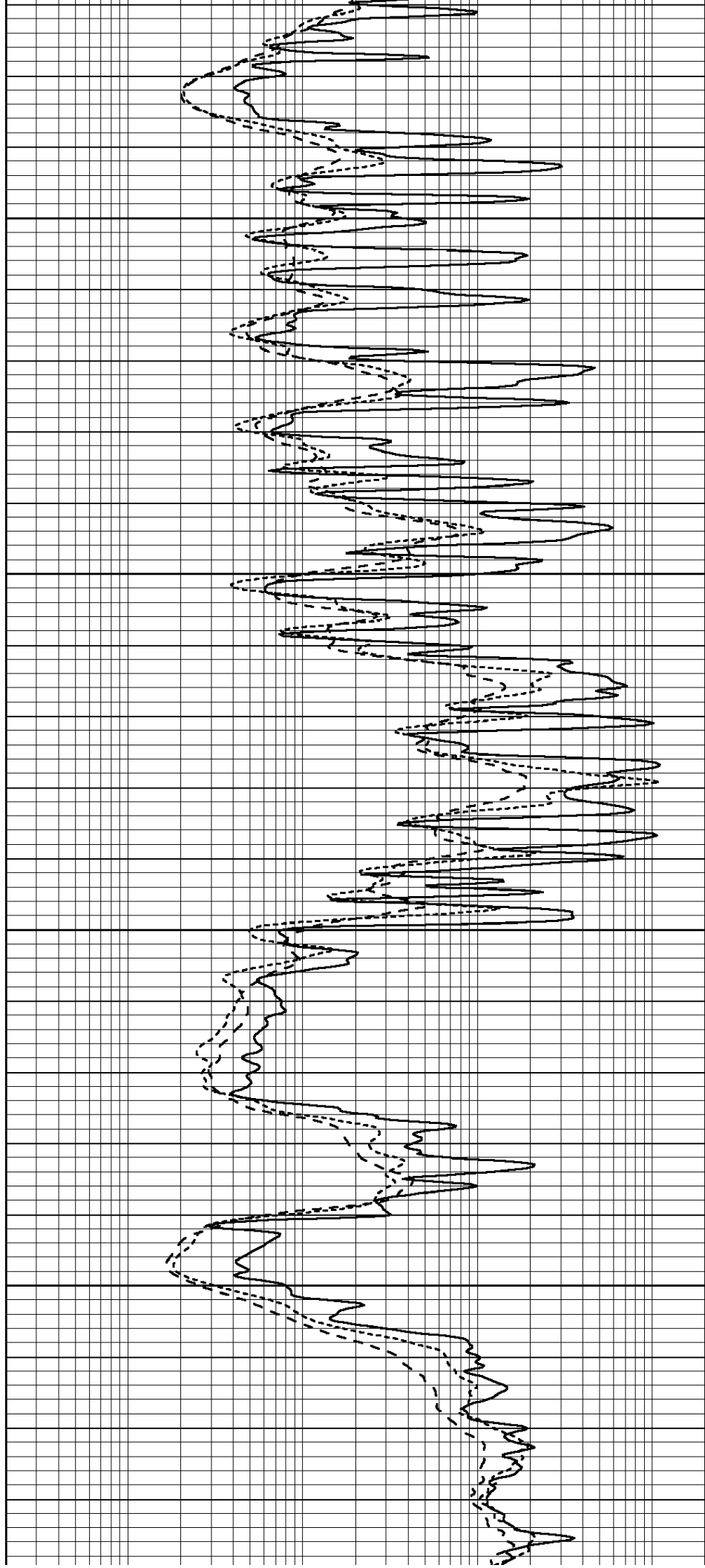


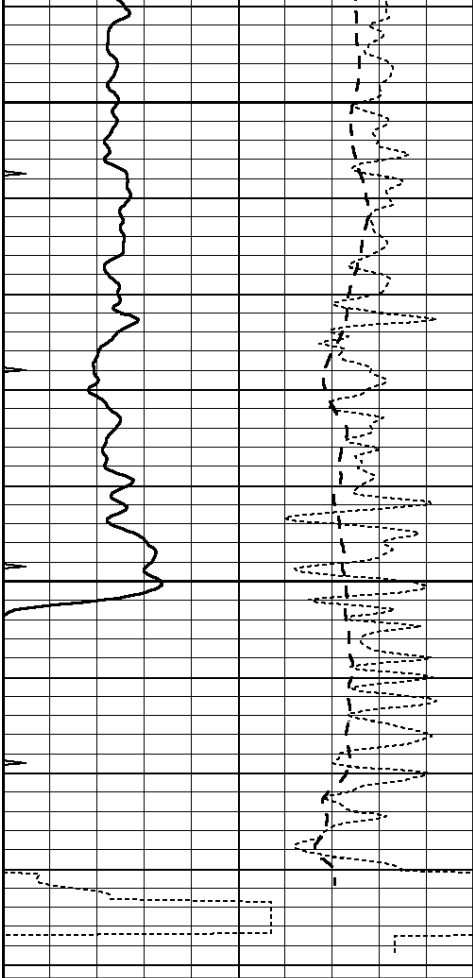
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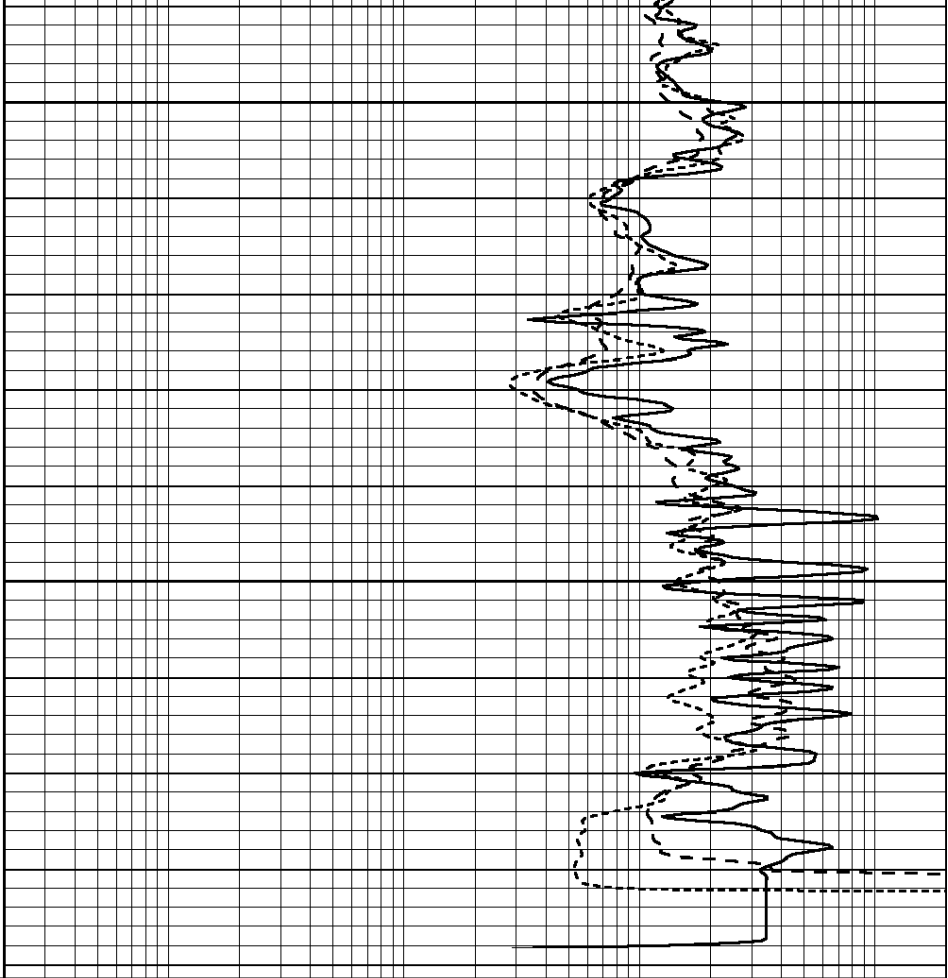




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