



SUPERIOR
Hays,
Kansas

SONIC LOG

Company		NORSTAR PETROLEUM, INC.	
Well		CURTIS #1-24	
Field		WILDCAT	
County		THOMAS	
State		KANSAS	
Location:		API # : 15-193-20794-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 5' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 24 TWP 10S RGE 35W		Elevation	
1712' FNL & 1290' FEL		CDL/CNL/PE	
		DIL/MEL	
3242		Elevation	
		K.B. 3247	
		D.F. 3245	
		G.L. 3242	
Date	4/28/11		
Run Number	TWO		
Depth Driller	4870		
Depth Logger	4870		
Bottom Logged Interval	4863		
Top Log Interval	250		
Casing Driller	8 5/8" @ 260'		
Casing Logger	260'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5500 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.0/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.43 @ 80F		
Rmf @ Meas. Temp	0.32 @ 80F		
Rmc @ Meas. Temp	0.52 @ 80F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.28 @ 124F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	124F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JEFF GRONEMEG		
Witnessed By	BRAD RINE	DAVE PAULY	

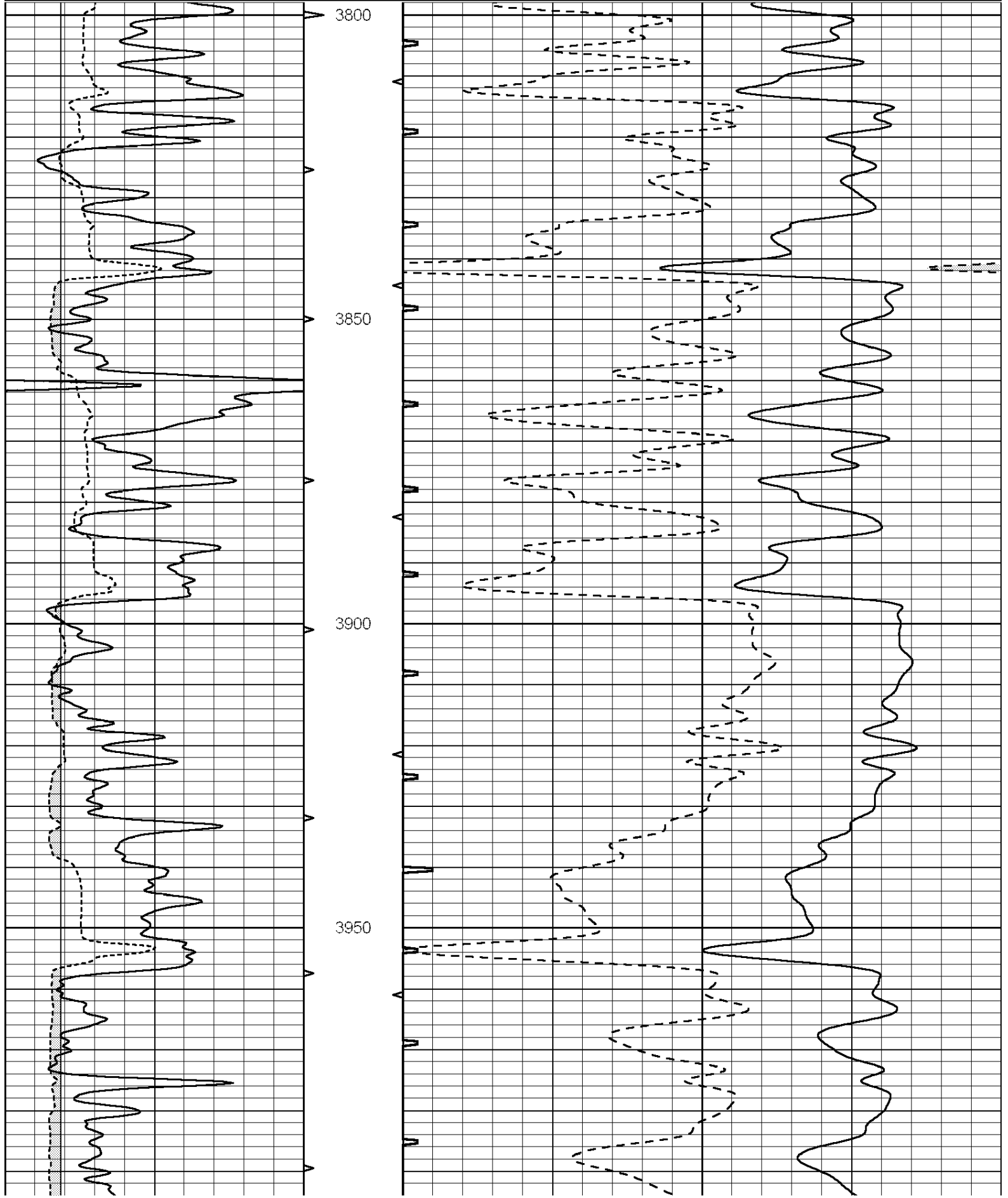
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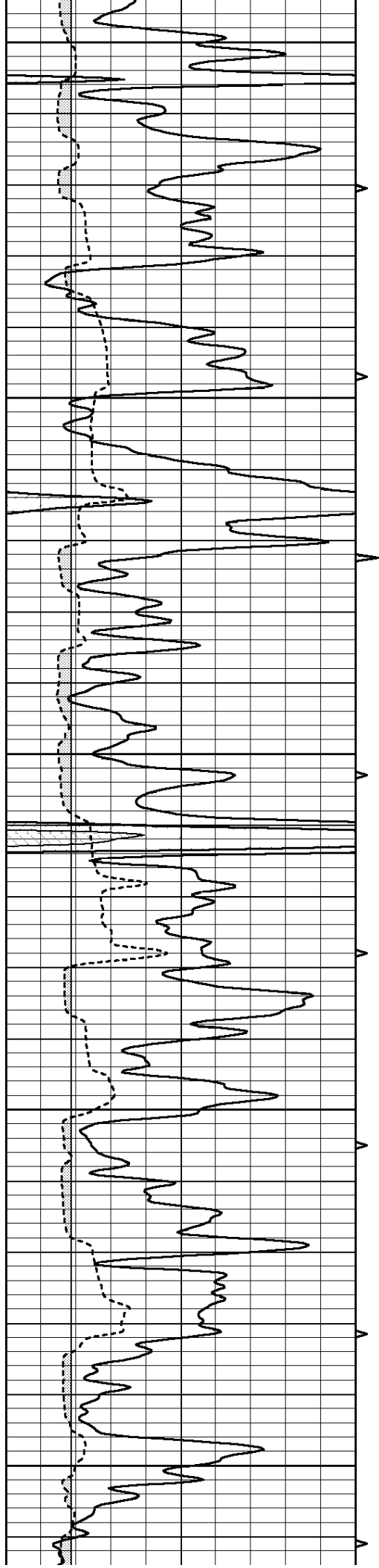
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
OAKLEY, KS - 16 MILES WEST FROM INTERSECTION OF HWYS 40 & 83
3 NORTH ON RD 280 TO T IN ROAD - 1 MILE WEST TO TH 13
2 1/2 MILES NORTH - WEST INTO

Charted by: _____		Depth in Feet scaled 1:2.15				
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3) 10			





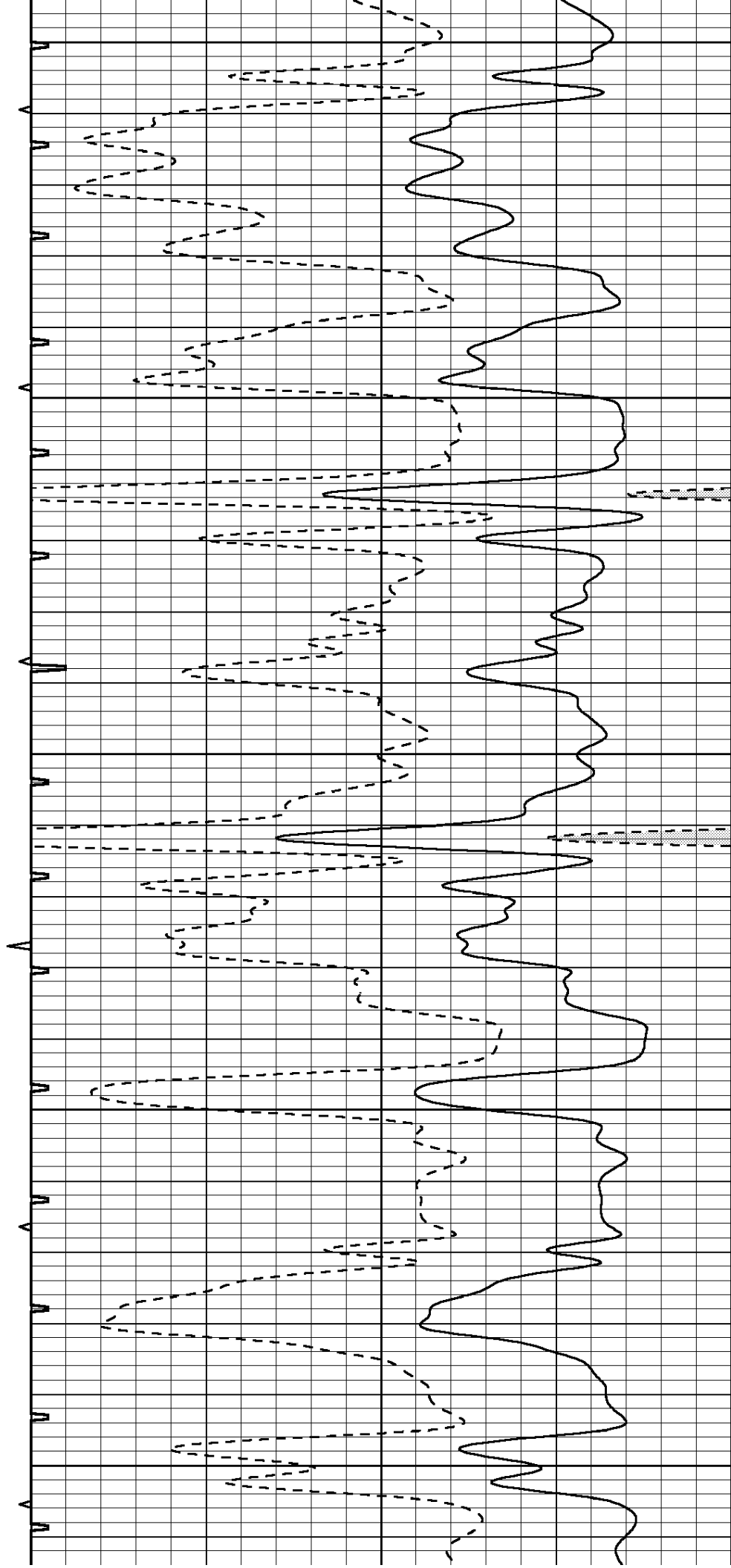
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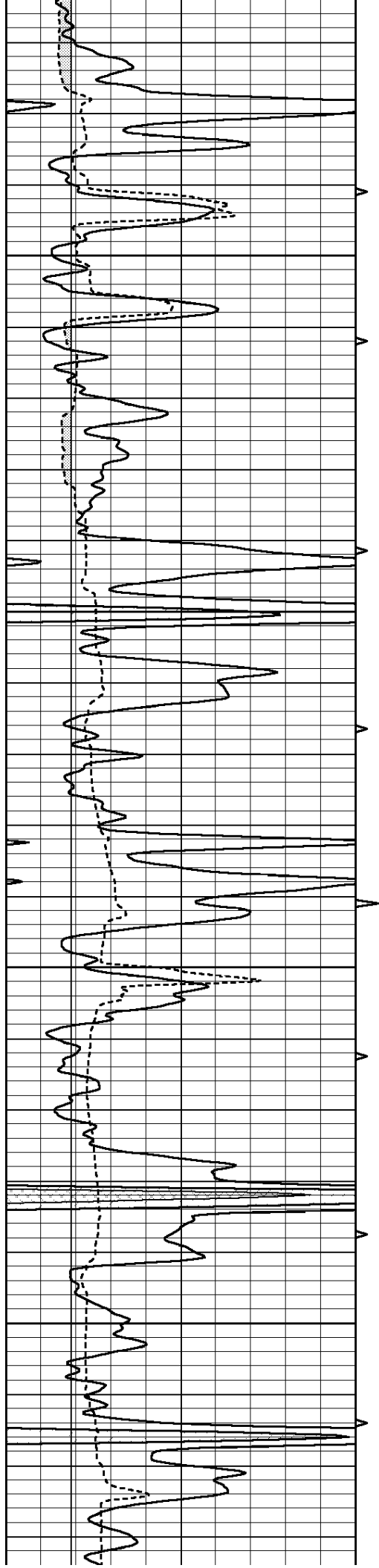
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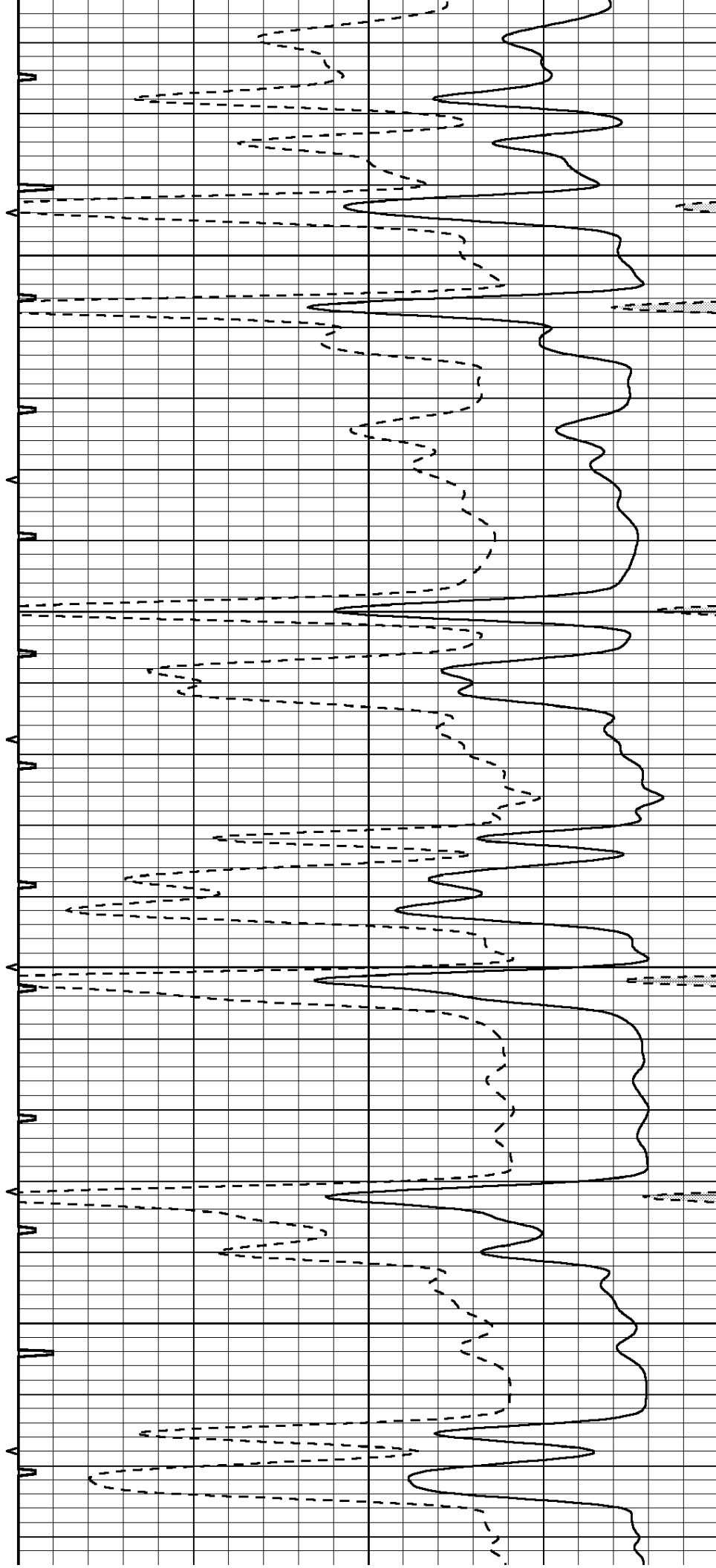


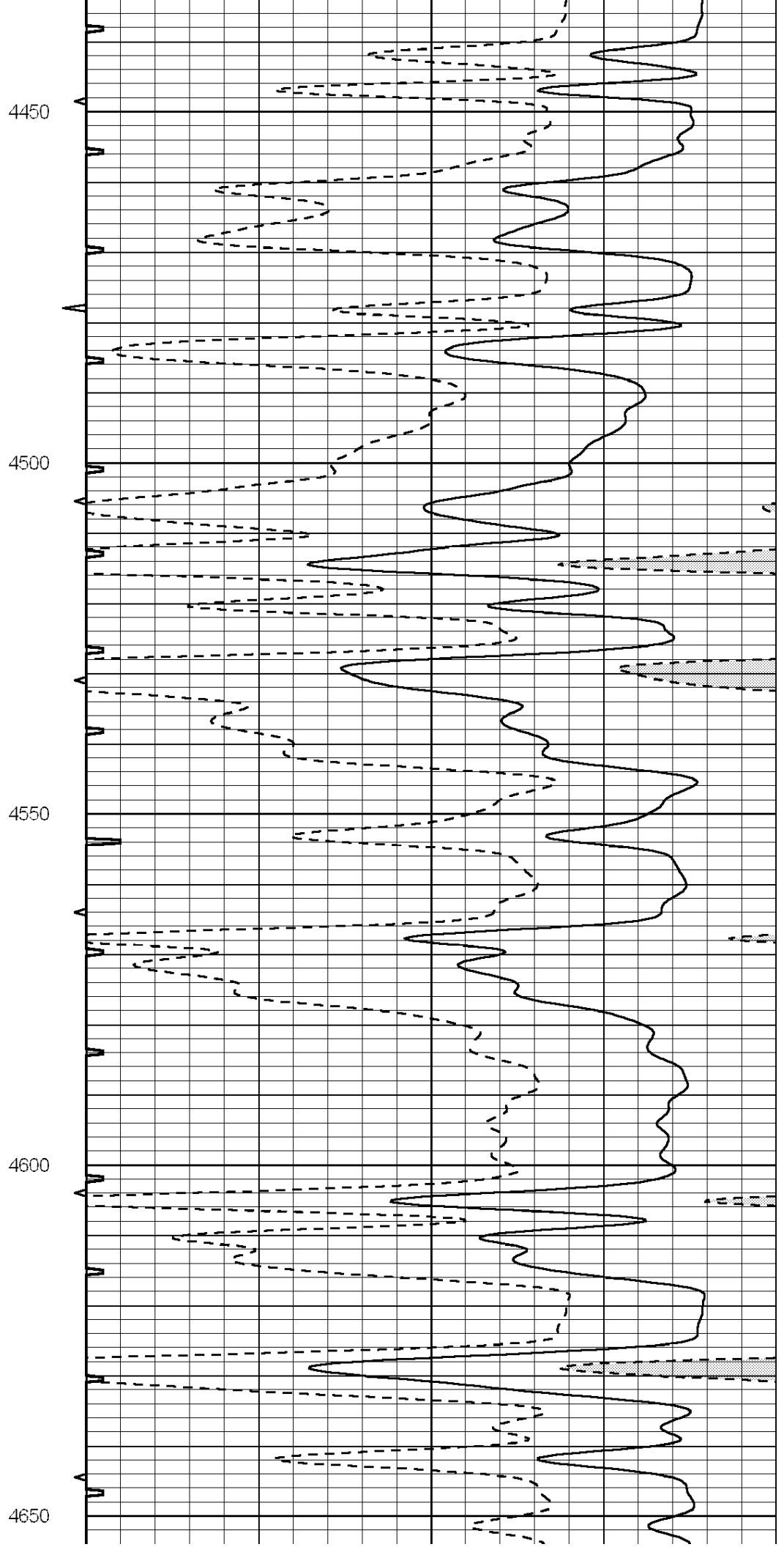
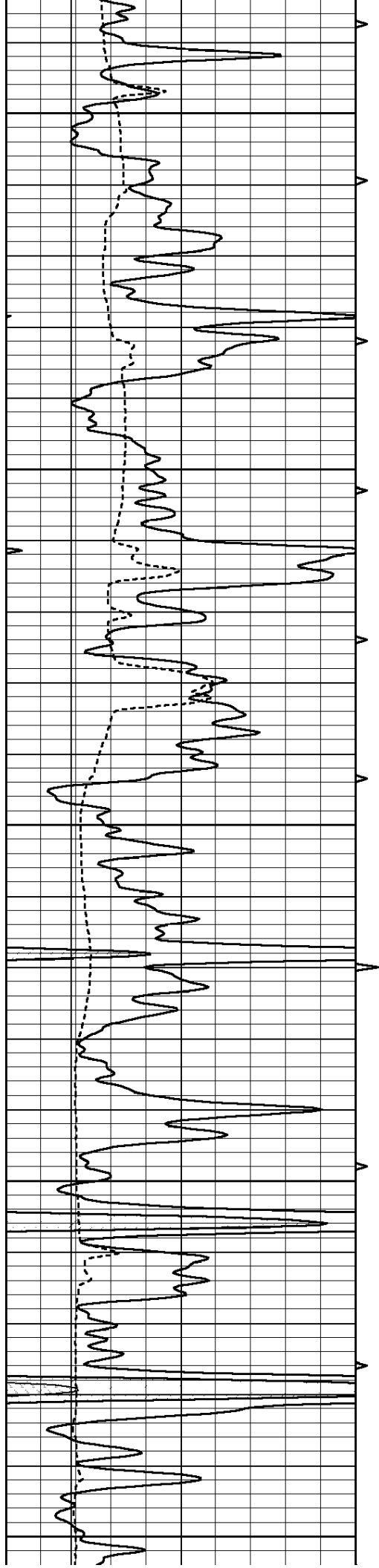
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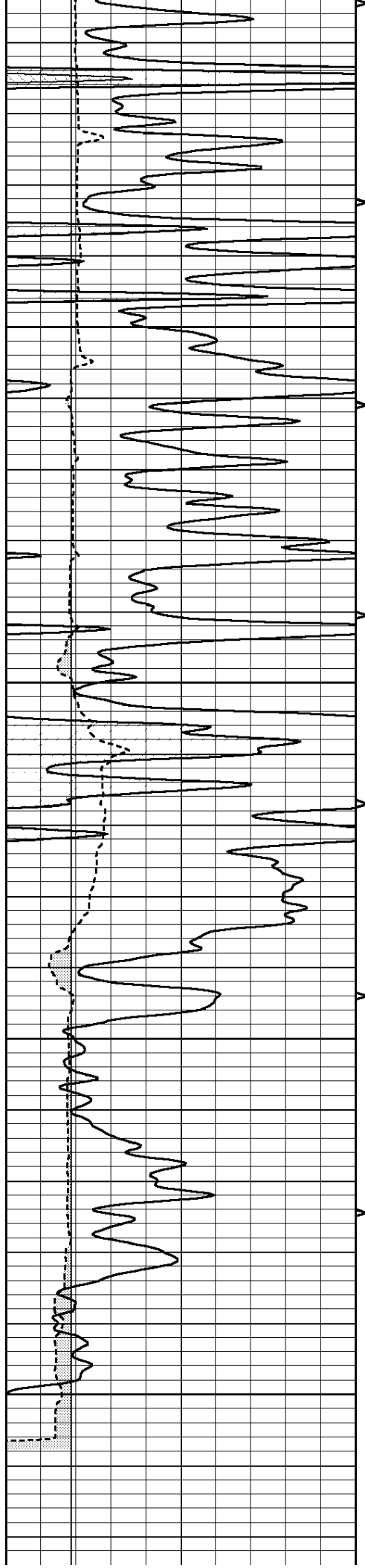
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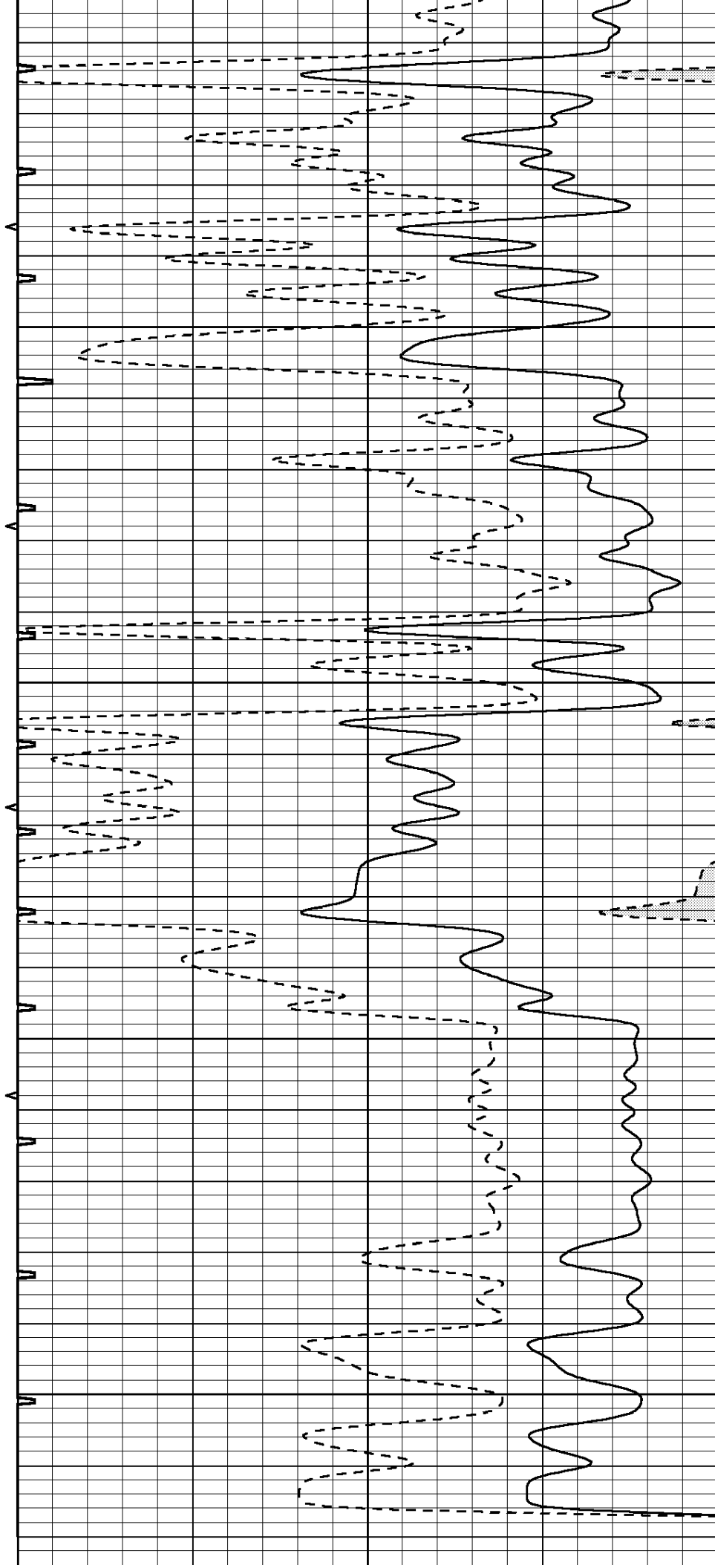


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4800

4850



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