



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

Company	WOOLSEY OPERATING COMPANY	Company	WOOLSEY OPERATING COMPANY
Well	BRACK #2	Well	BRACK #2
Field	SAND CREEK DRAW POOL	Field	SAND CREEK DRAW POOL
County	WICHITA	County	WICHITA
State	KANSAS	State	KANSAS
Location:	API # : 15-203-20195-0000 1240' FSL & 2295' FWL NW NE SE SW	Other Services	DIL SON
Permanent Datum	SEC 20 TWP 20S RGE 35W	Elevation	
Log Measured From	GROUND LEVEL	Elevation	3184
Drilling Measured From	KELLY BUSHING 11' A.G.L. KELLY BUSHING	Elevation	K.B. 3195 D.F. 3193 G.L. 3184
Date	12/7/12		
Run Number	ONE		
Depth Driller	5860		
Depth Logger	5859		
Bottom Logged Interval	5835		
Top Log Interval	2650		
Casing Driller	8 5/8" @ 225		
Casing Logger			
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	4800 PPM
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 71F		
Rmt @ Meas. Temp	.56 @ 71F		
Rmc @ Meas. Temp	.90 @ 71F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.40 @ 133F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	133F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		IAN MABB
Witnessed By	SCOTT ALBERG		

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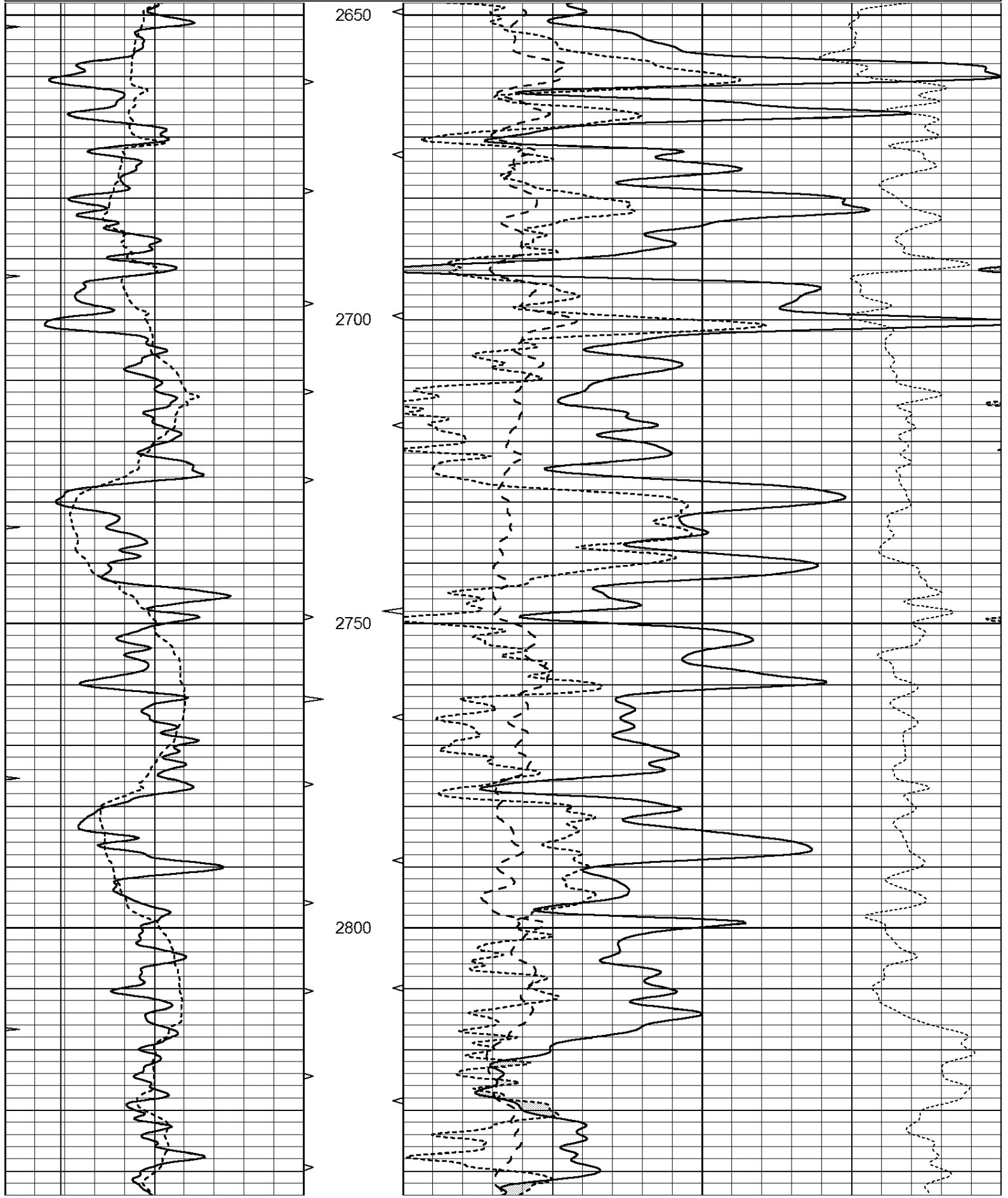
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

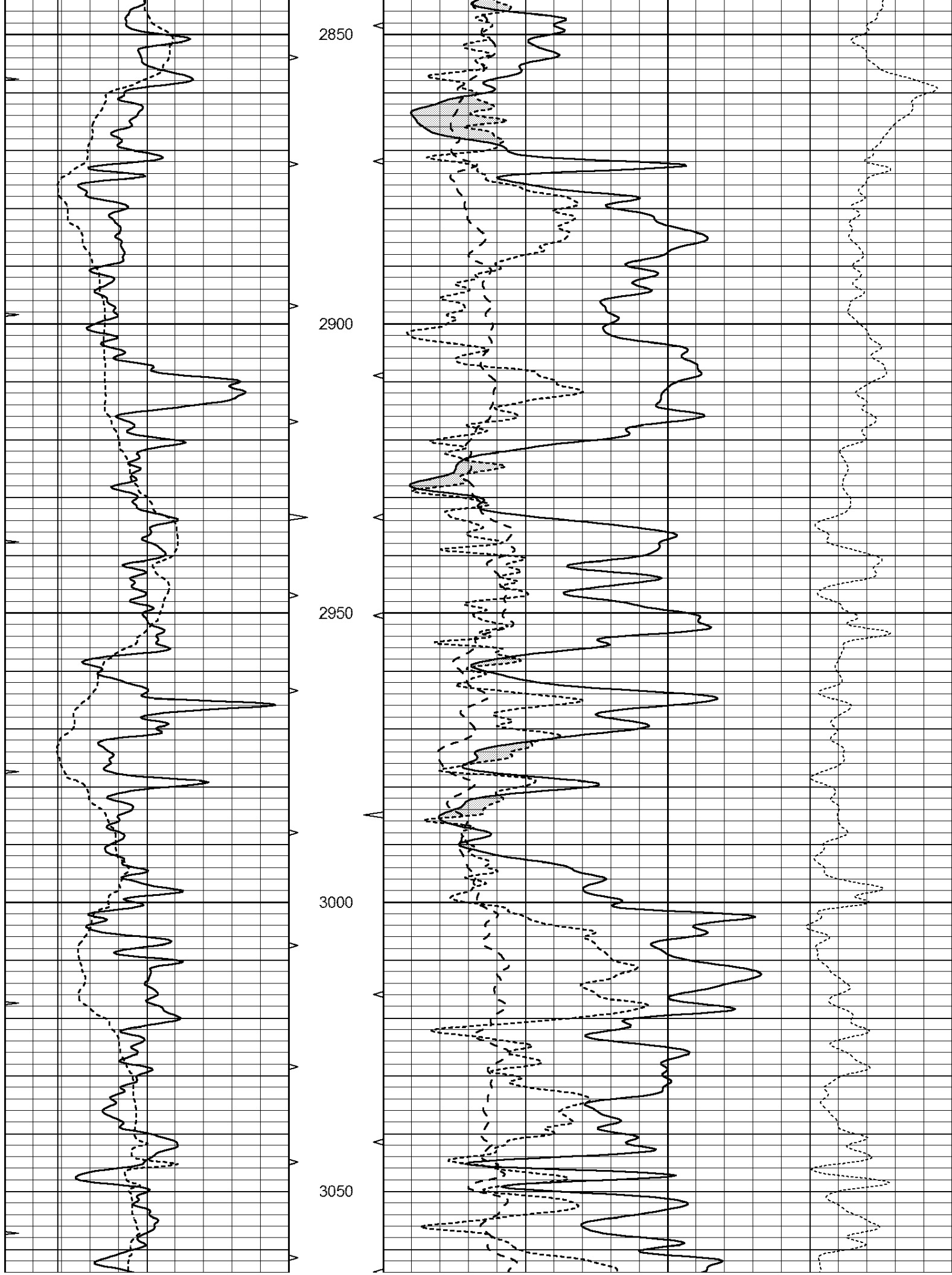
Comments

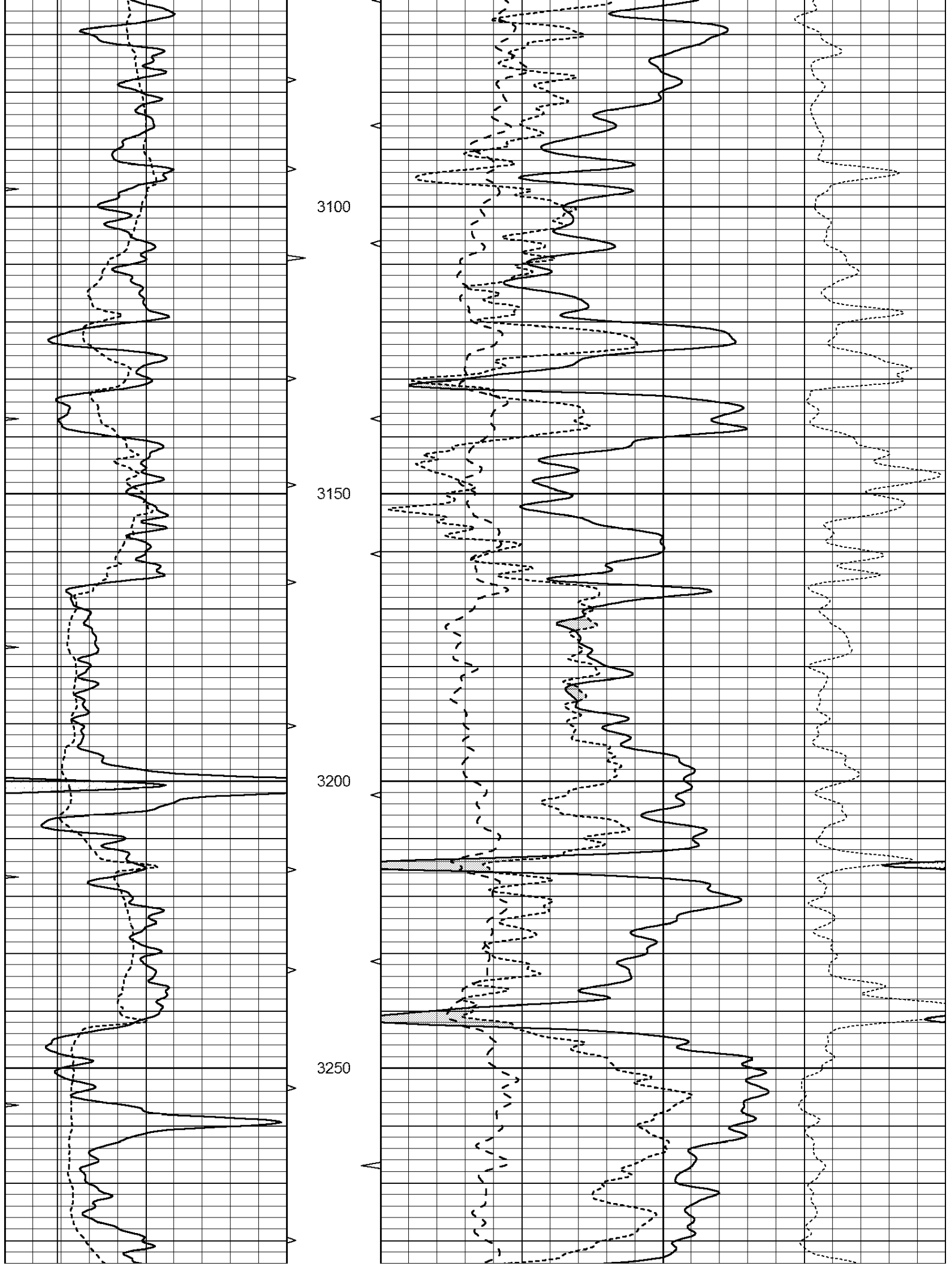
THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
SCOTT CITY, KS. - W. TO WICHITA COUNTY LINE - 12 S. TO CC RD. - 5 W. - N. INTO

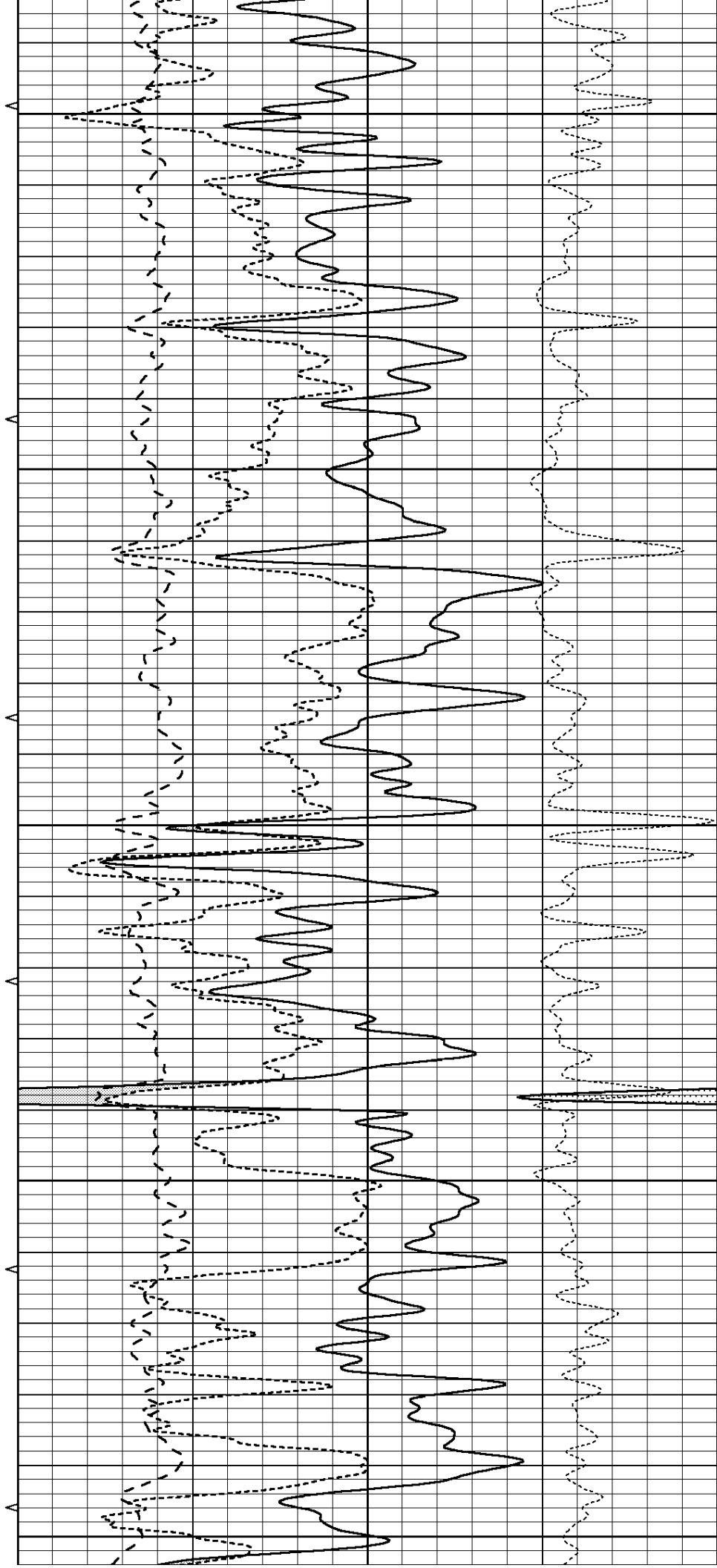
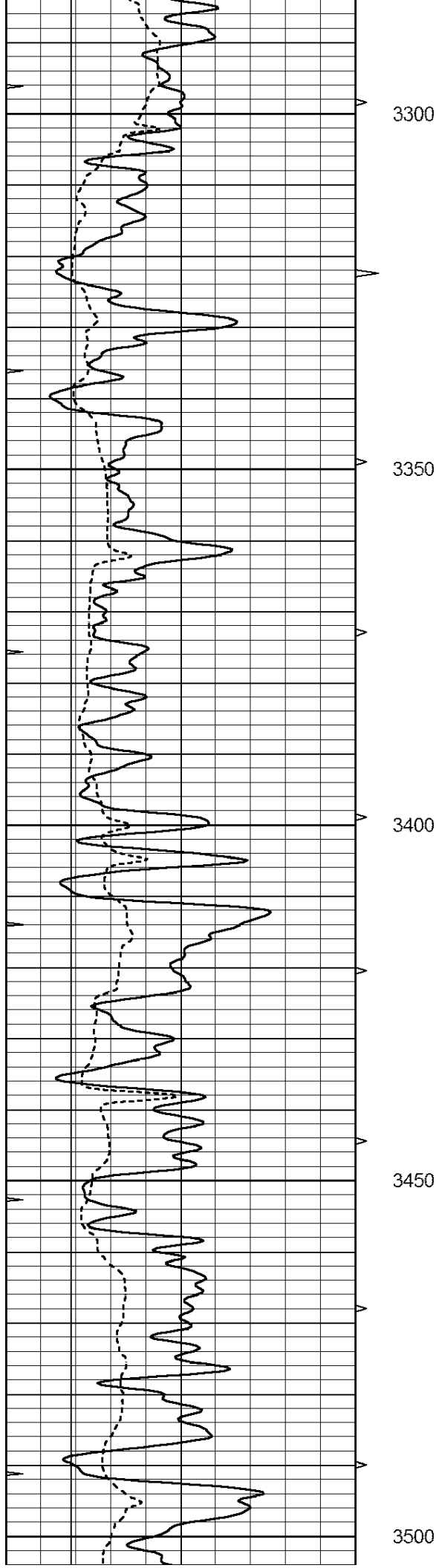
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Dataset Creation: Fri Dec 07 09:15:09 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

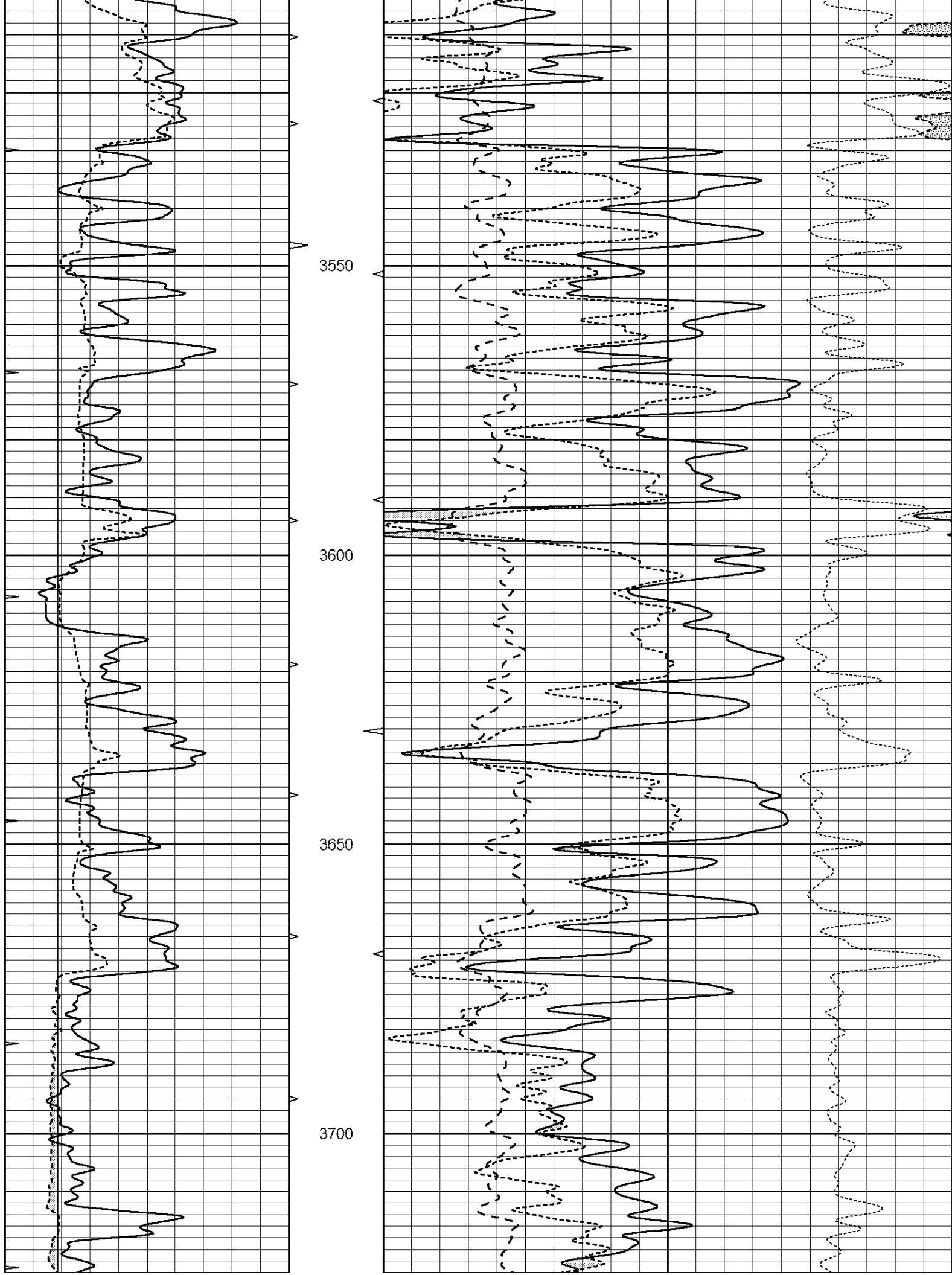
Charted by:		Depth in Feet scaled 1:210							
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
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0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10	-----				

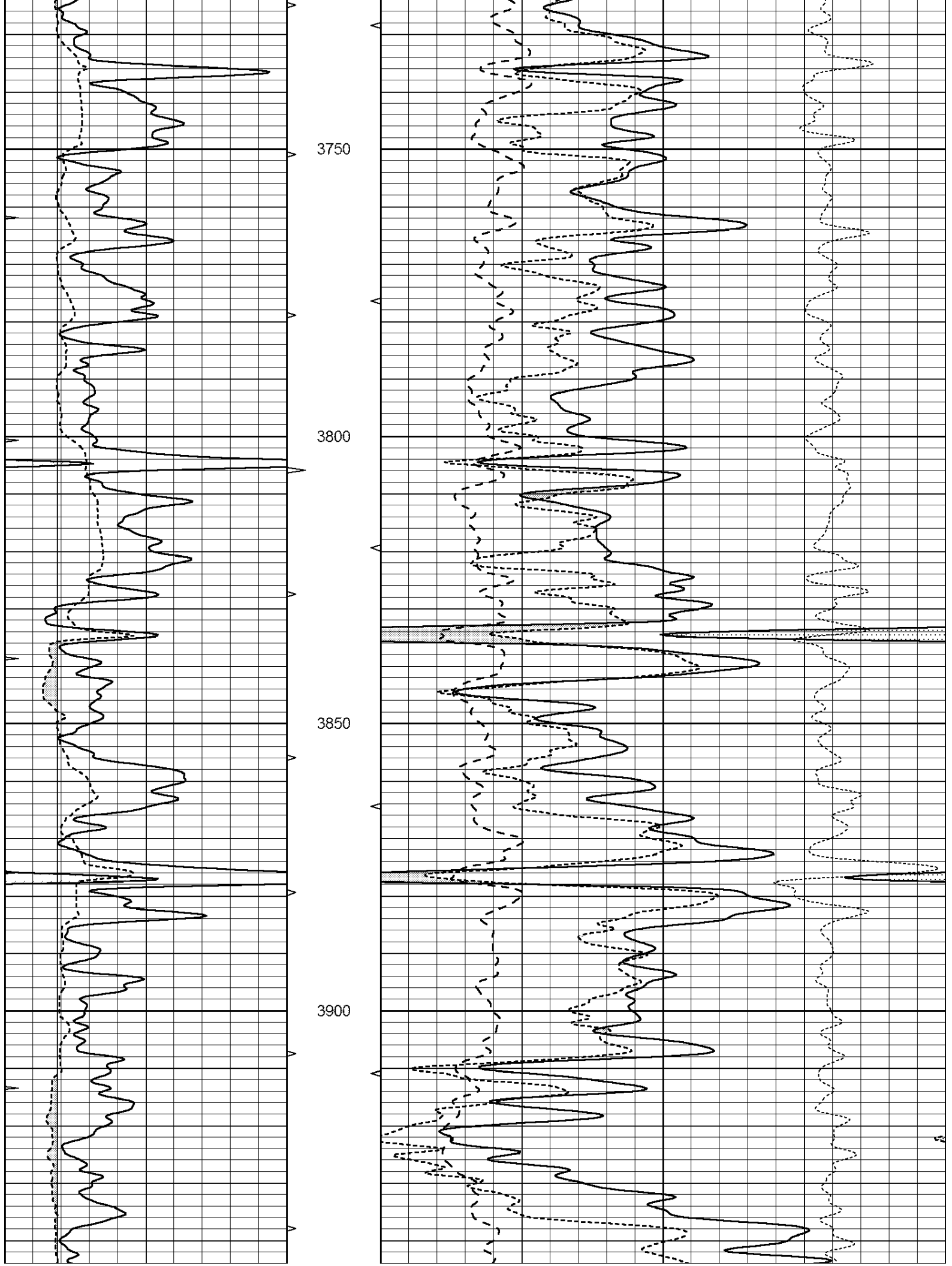


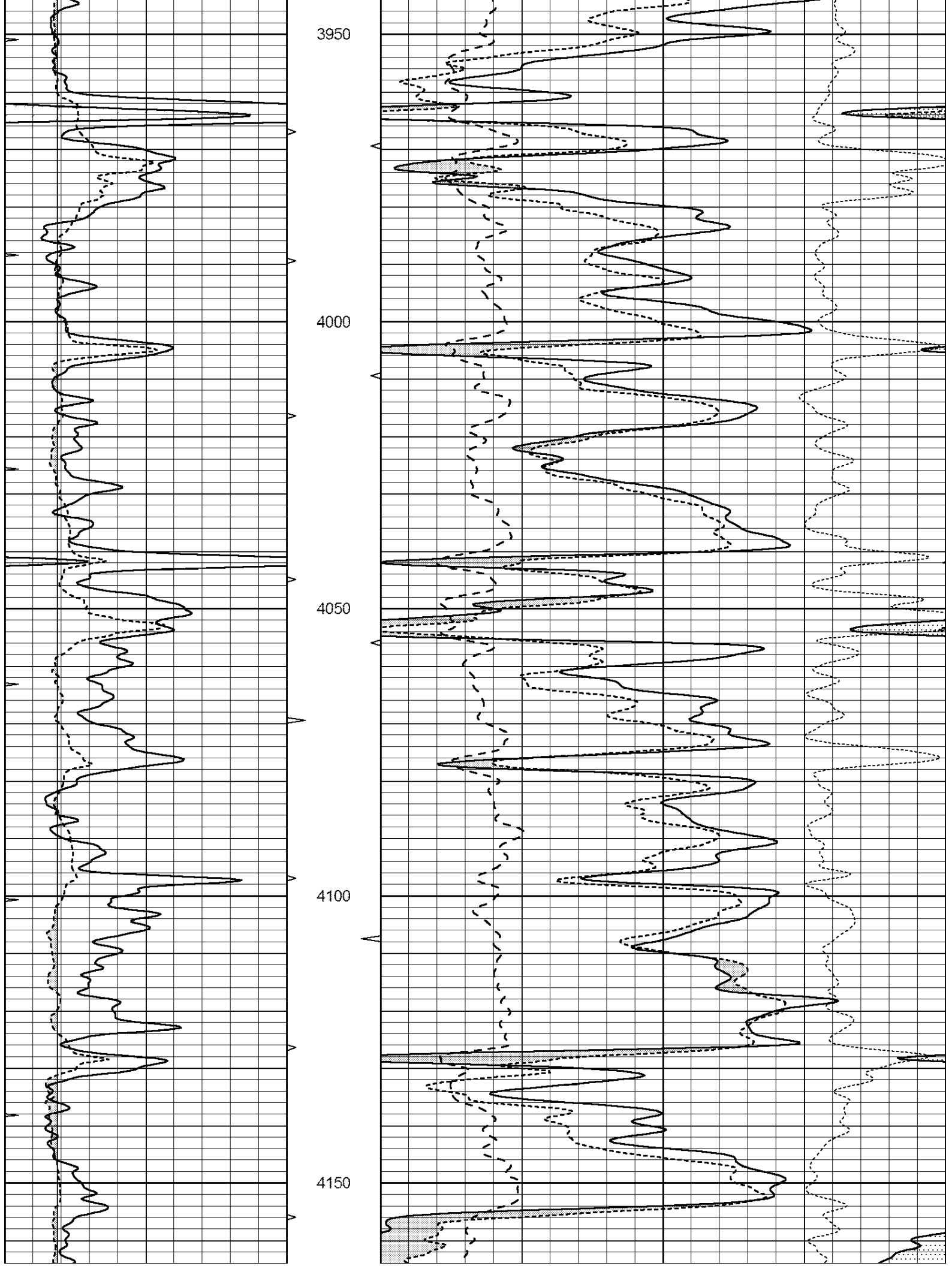


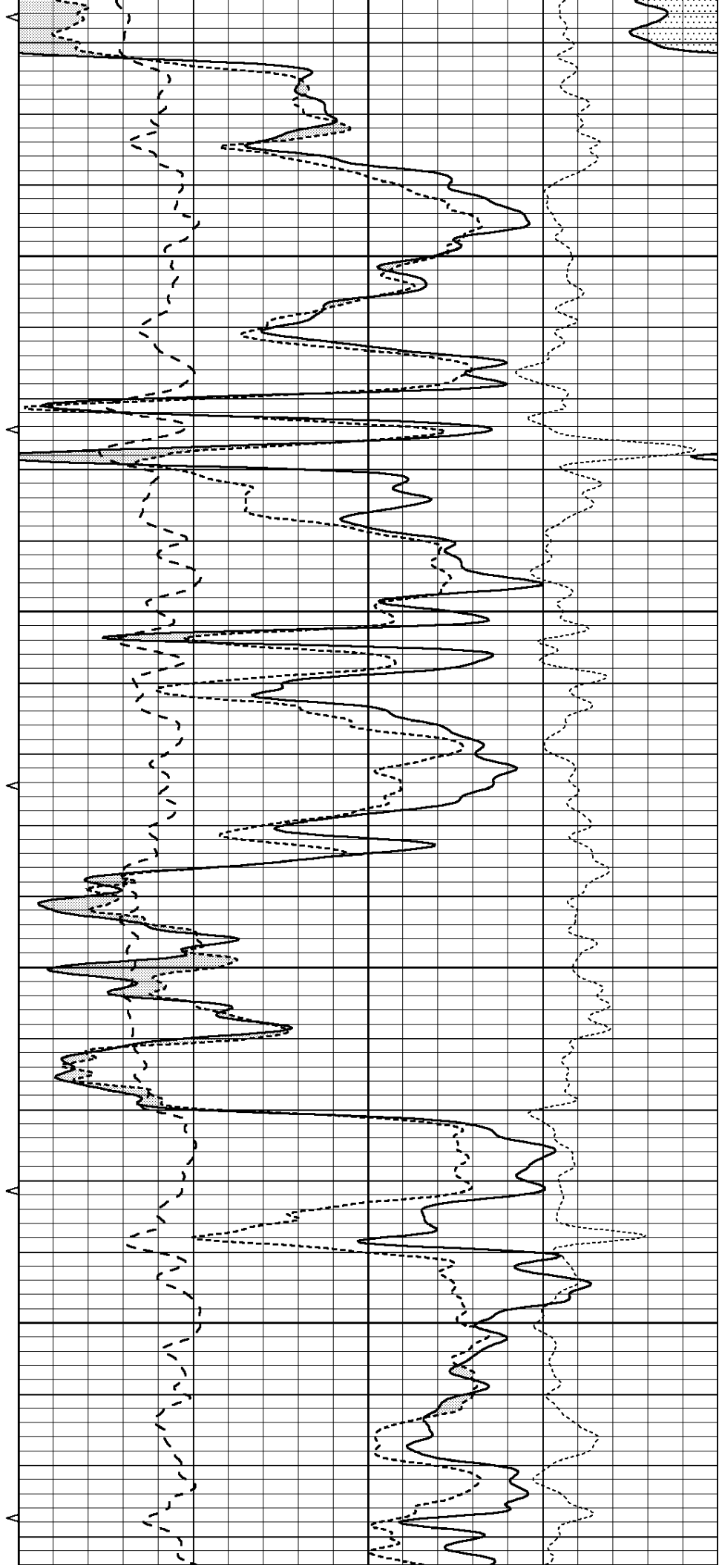
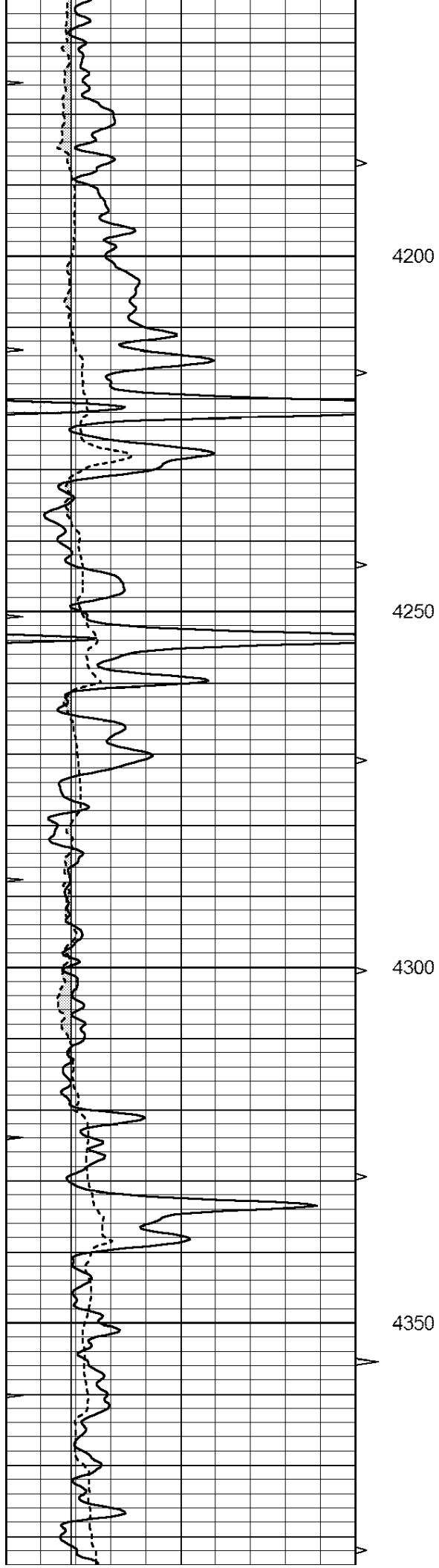


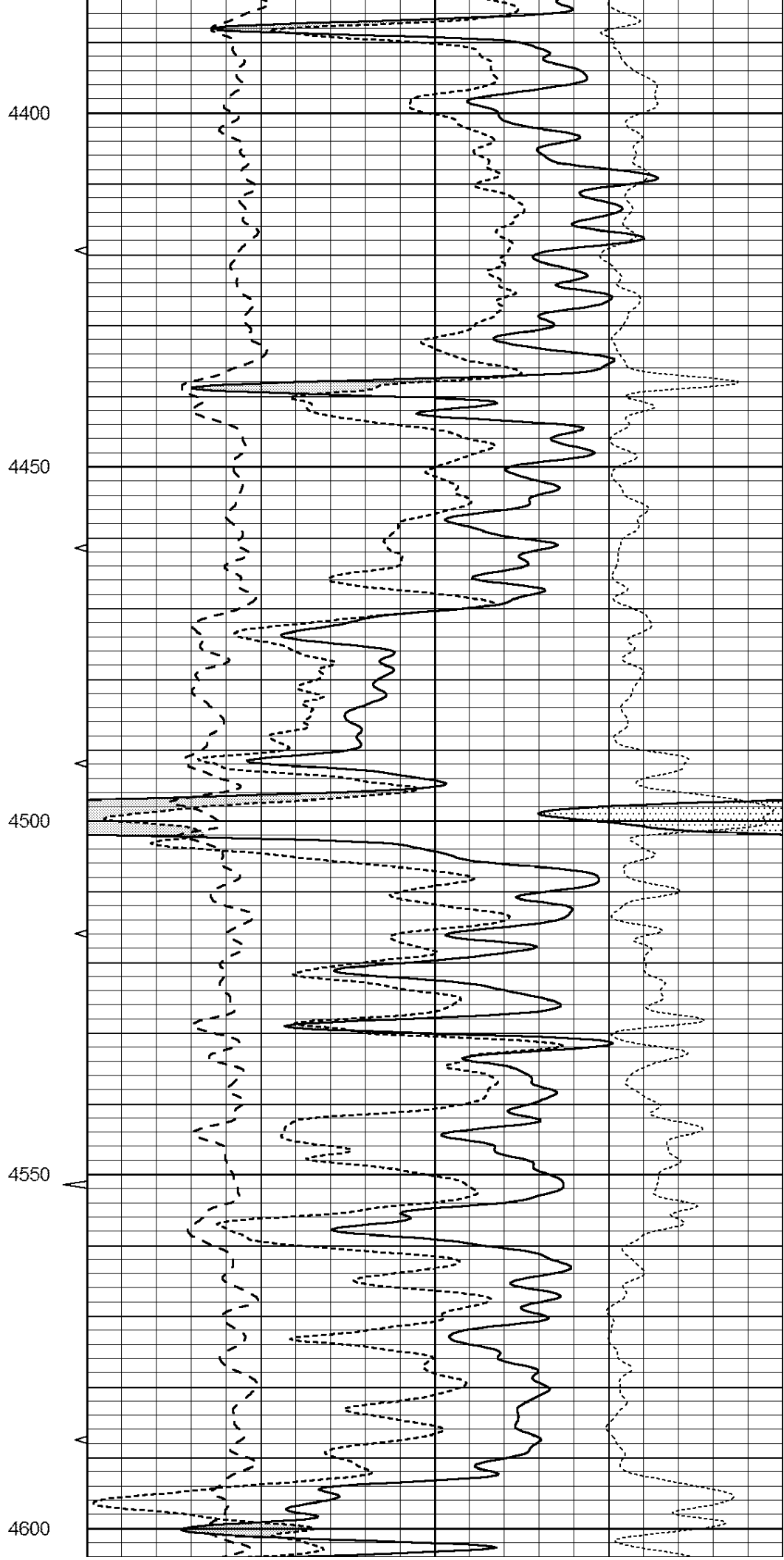
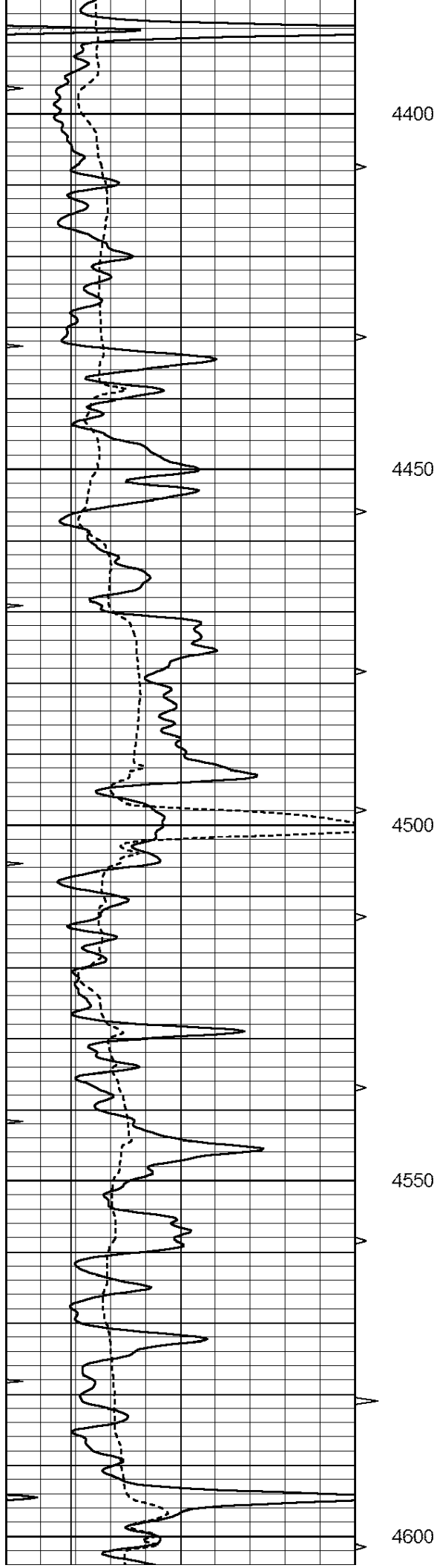


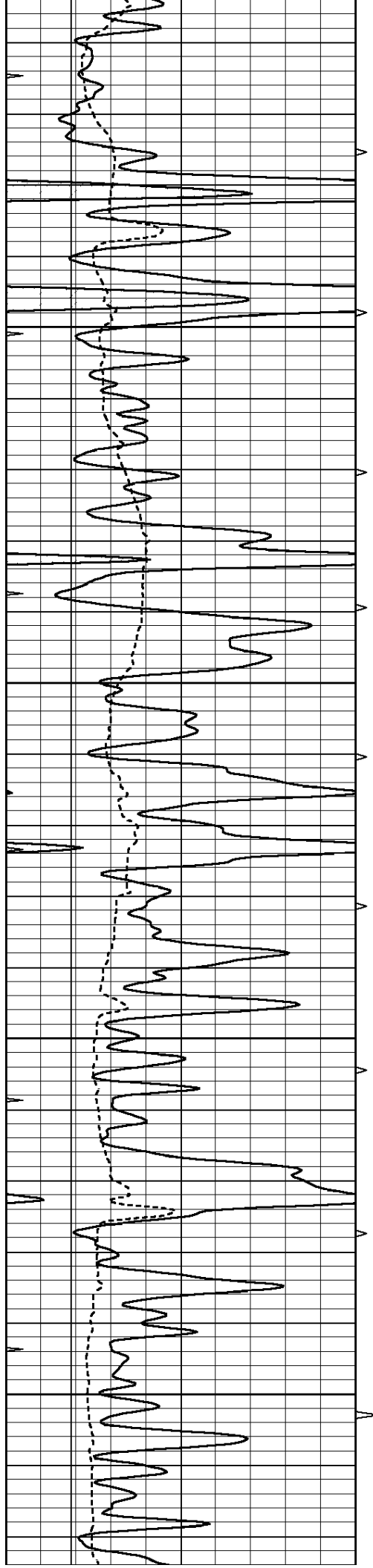












4650

4700

4750

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