

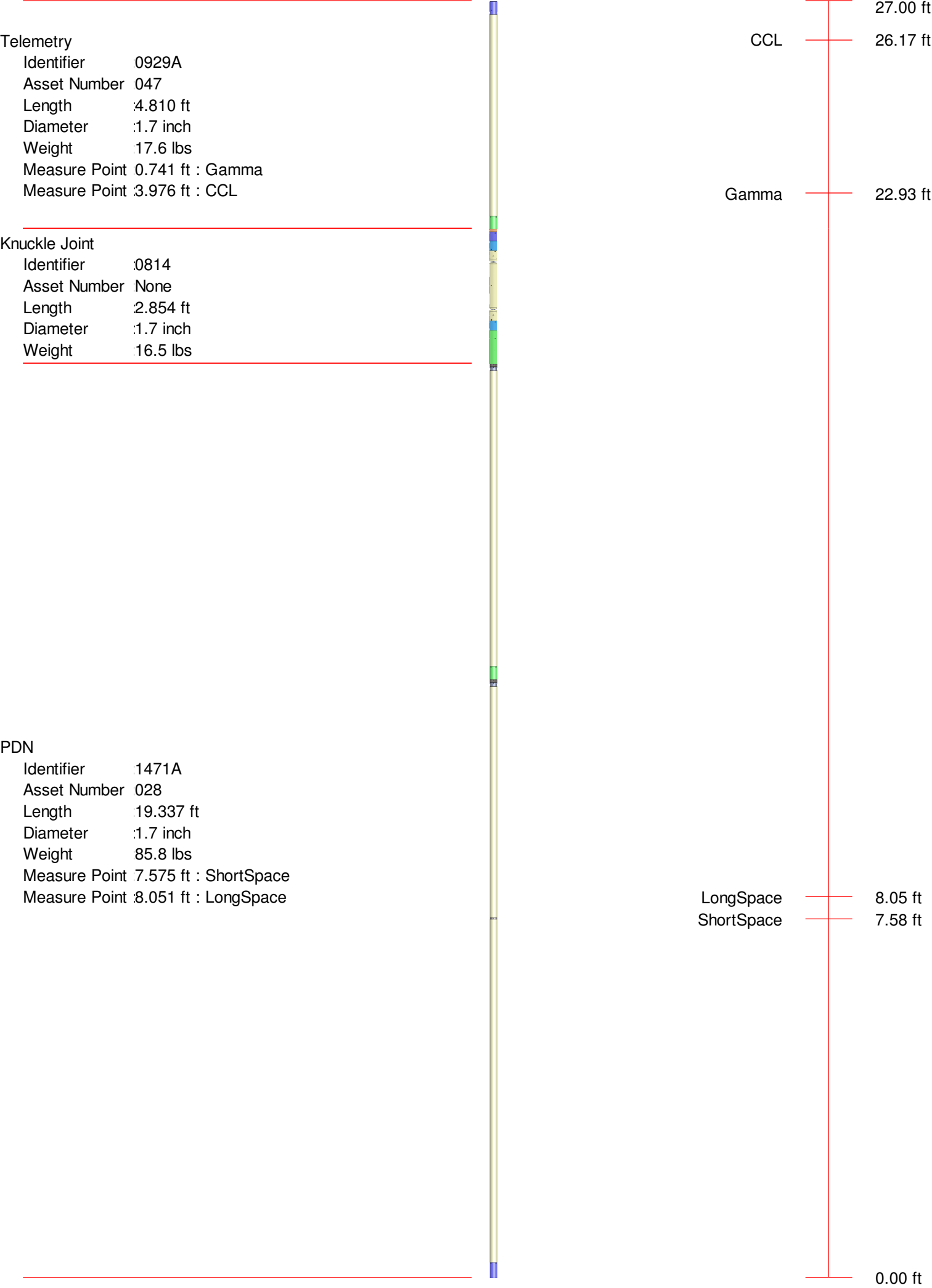
<div><div>FMC Technologies</div><div>Pulsed Decay Neutron Gamma Ray / CCL Log</div></div>									
<div><div>API #: 05-123-39330</div><div>Company: Kerr-McGee Oil and Gas Onshore LP</div><div>Well: Dugite 13C-35HZ</div><div>Field: Wattenberg</div><div>County: WeldState: Colorado</div></div>									
<div><div>COMPANY: Kerr-McGee Oil and Gas Onshore LP</div><div>WELL: Dugite 13C-35HZ</div><div>FIELD: Wattenberg</div><div>COUNTY: WeldSTATE: Colorado</div></div>									
<div><div><div>Location: API#:05-123-39330</div><div>SHL:1020' FSL 560' FWL</div><div>BHL:</div><div>Latitude: Longitude:</div><div>Section:23 Township:2NRange:67W</div><div>Permanent Datum: GL Elevation:4969'</div><div>Drill Measured From: KB</div><div>Log Measured From: KB = 25' above Permanent Datum</div></div><div><div>Elevations</div><div>KB: 4994'</div><div>DF: 4993'</div><div>GL: 4969'</div><div>Other Services</div><div>Gauge Ring</div><div>MIT/RCBL</div></div></div>									
<div><div>Date08.08.2014</div><div>Run NumberOne</div><div>Depth Driller17,839 FT</div><div>Depth Logger7,525 FT</div><div>Bottom Logged Interval7,494 FT</div><div>Top Logged IntervalSurface</div><div>Fluid TypeWater</div><div>Fluid TopSurface</div><div>Max. Rec. TemperatureNA</div><div>Estimated Cement TopNA</div><div>Time on BottomNA</div><div>Unit NumberHD-0311</div><div>LocationFt. Lupton, CO</div><div>Recorded ByAaron Ellsworth</div><div>Witnessed ByTrevor Daniels</div></div>									
<div><div><div>Borehole Record</div><div><div>Run Number</div><div>Bit Size</div><div>Top</div><div>Bottom</div><div>Size</div><div>Weight</div><div>Top</div><div>Bottom</div></div><div>Surface13.5"Surface1,268'NA</div><div>Casing8.75"1,268'7,918'</div><div>Liner6.125"6,91917,973'</div></div><div><div>Casing Record</div><div><div>String</div><div>Size</div><div>Weight</div><div>Top</div><div>Bottom</div></div><div>Surface Casing9.625 inch36.0 lbs/ftSurface1,338,000 ft</div><div>Intermediate Casing7,000 inch26.0 lbs/ftSurface7,905,000 ft</div><div>Liner4,500 inch11.6 lbs/ft6,905 ft17,839,000 ft</div></div></div>									

API #: 05-123-39330		Kerr-McGee Oil and Gas Onshore LP		Dugite 13C-35HZ	
EQUIPMENT DATA					
Run	Trip	Instrument	Series No.	Serial No.	Distance to Reference
		Telemetry			
		Knuckle Joint	None	0814	4.810 ft
		PDN	028	1471A	7.664 ft

REMARKS
Log ran as per customer request. Log ran with 0 PSI at surface. Log correlated to KB.

Thank you for choosing FMC Technologies

In making interpretations of logs, Contractor's employees will give the customer the benefit of their best judgement, but since all interpretations are opinions, based on inferences from electrical or other measurements, Contractor cannot, and does not, guarantee the accuracy or the correctness of any interpretation.



Main Pass
5" = 100'

Company

:

Well

:

Scale

:

1 : 240

Depth in

:

Feet

Software

:

WinAPIot Ver. 5, 80, 0, 0

Date

:

08.08.2014

Time

:

11:09:18

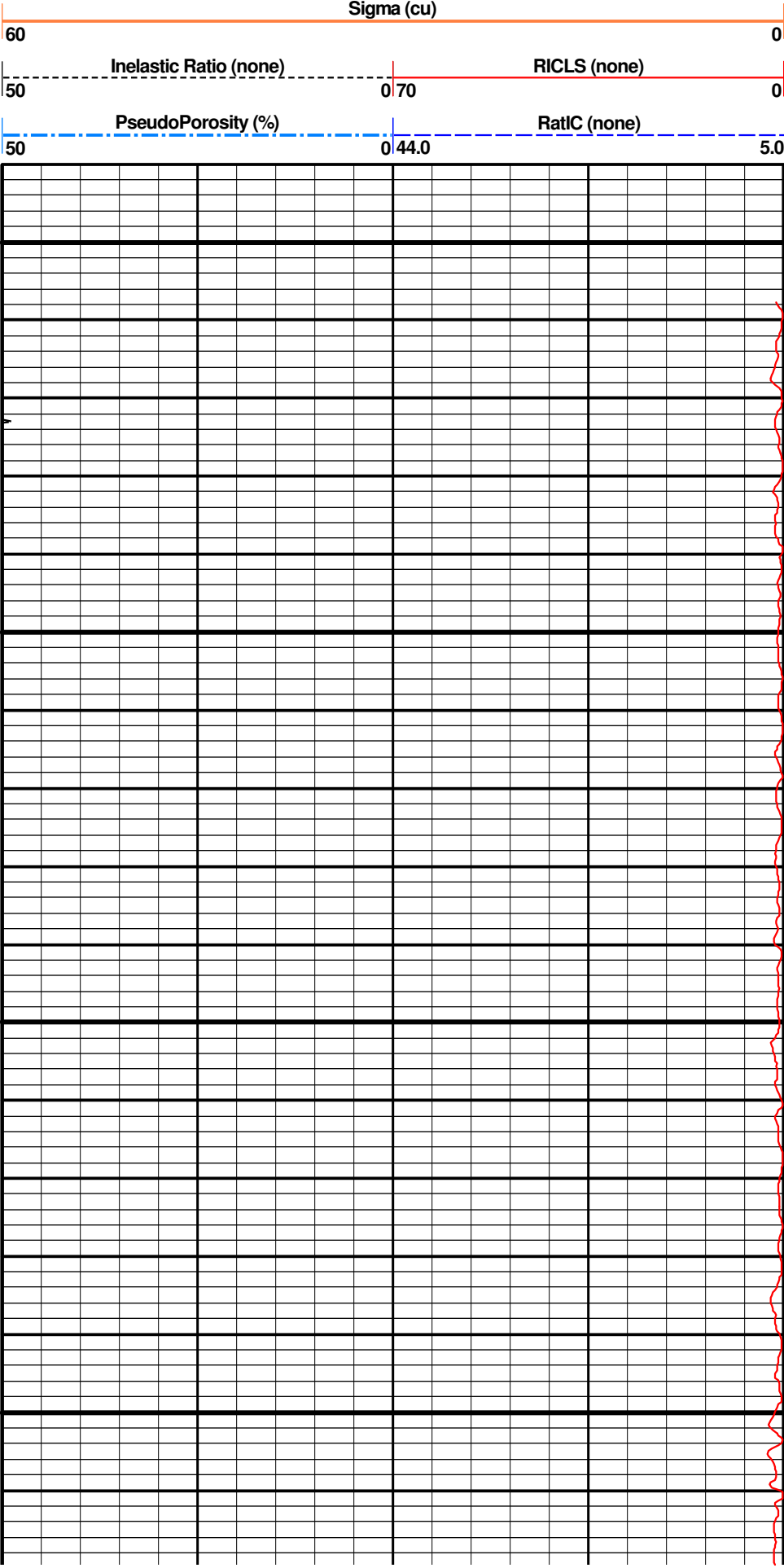
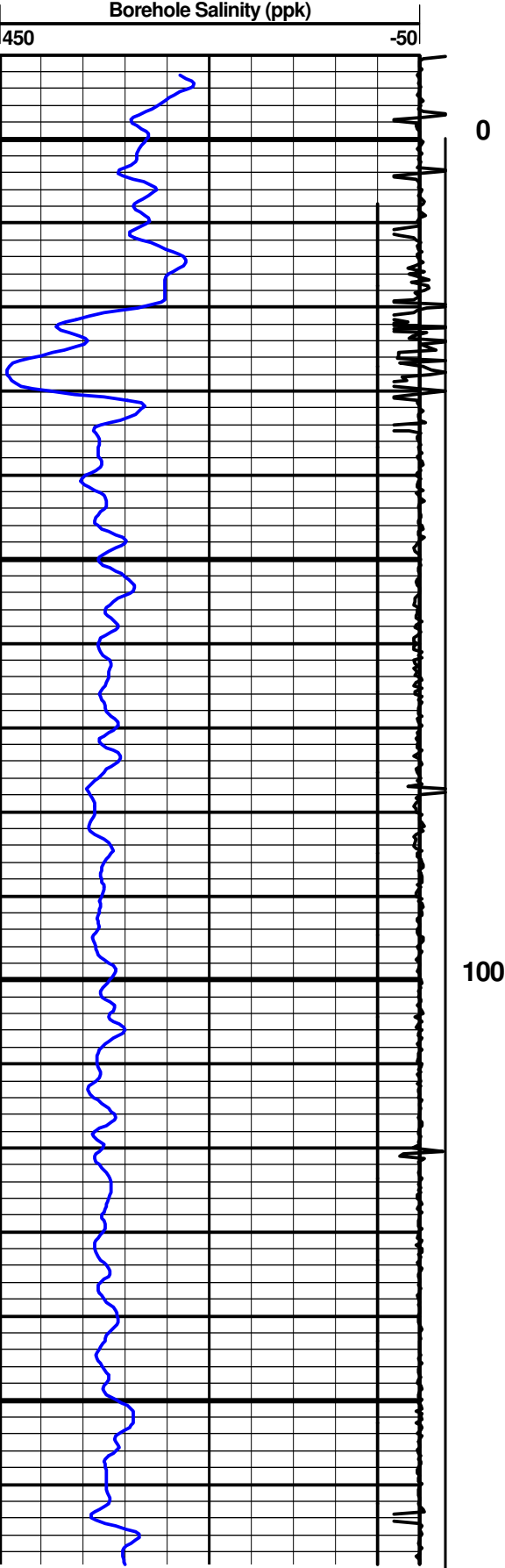
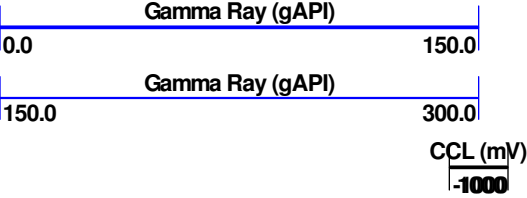
Remarks

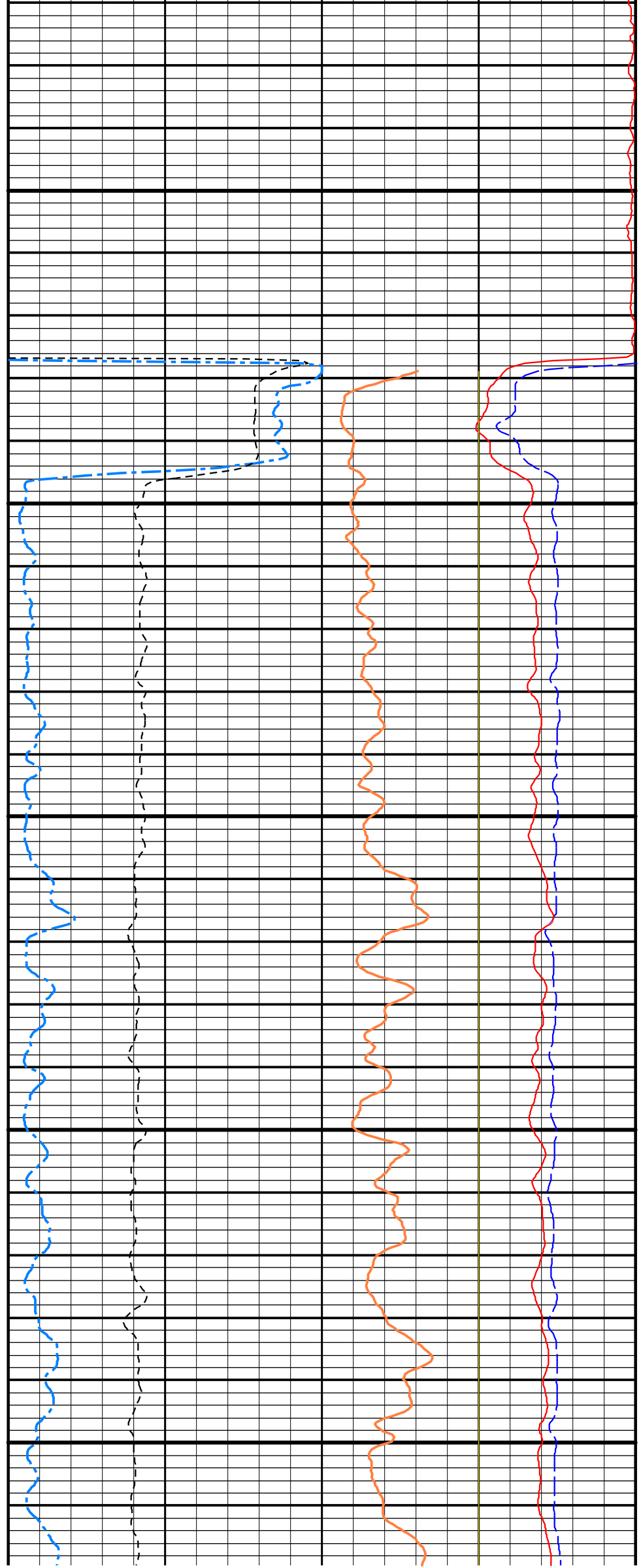
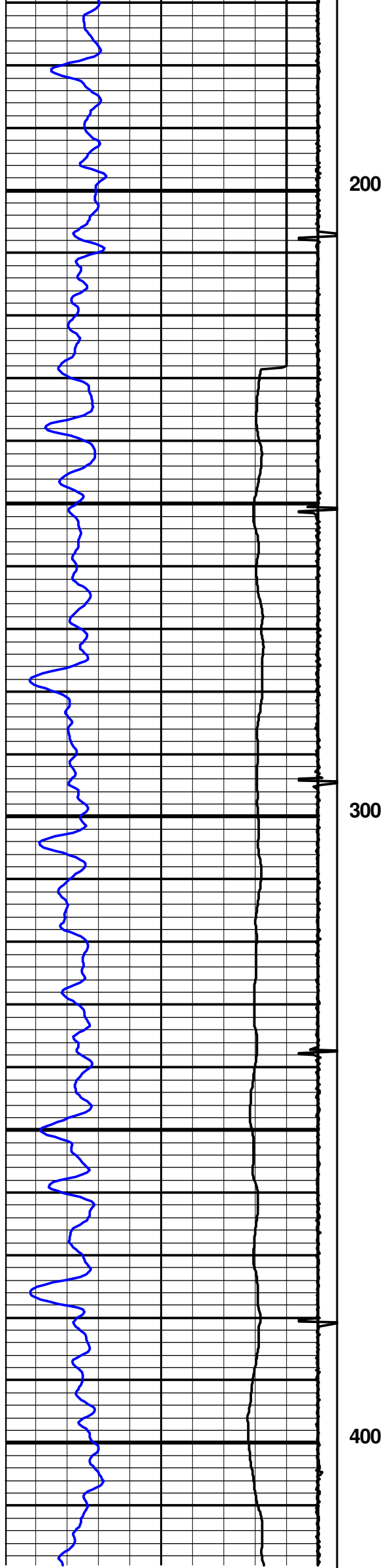
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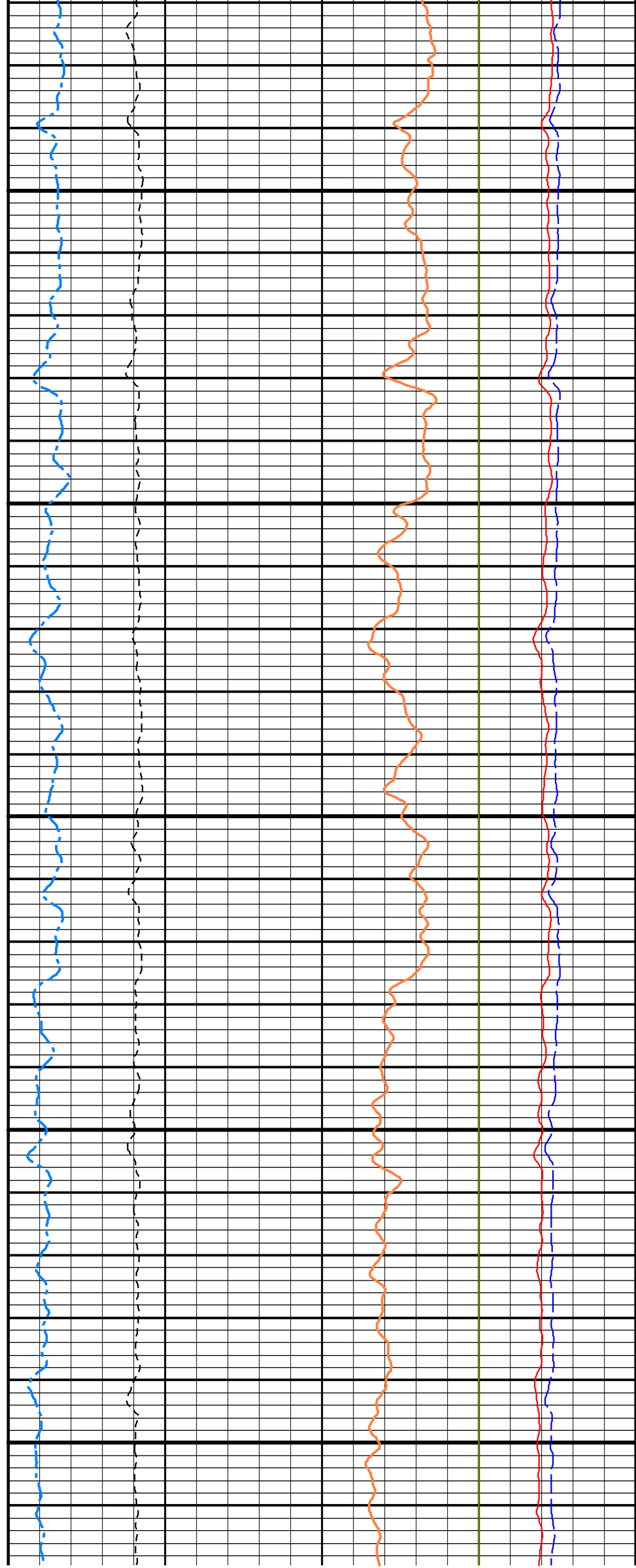
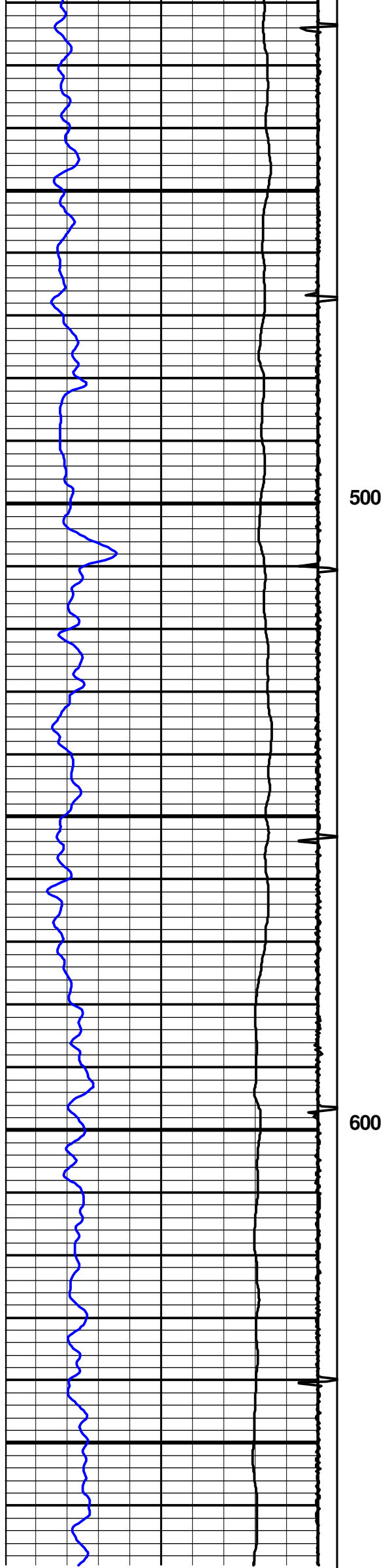
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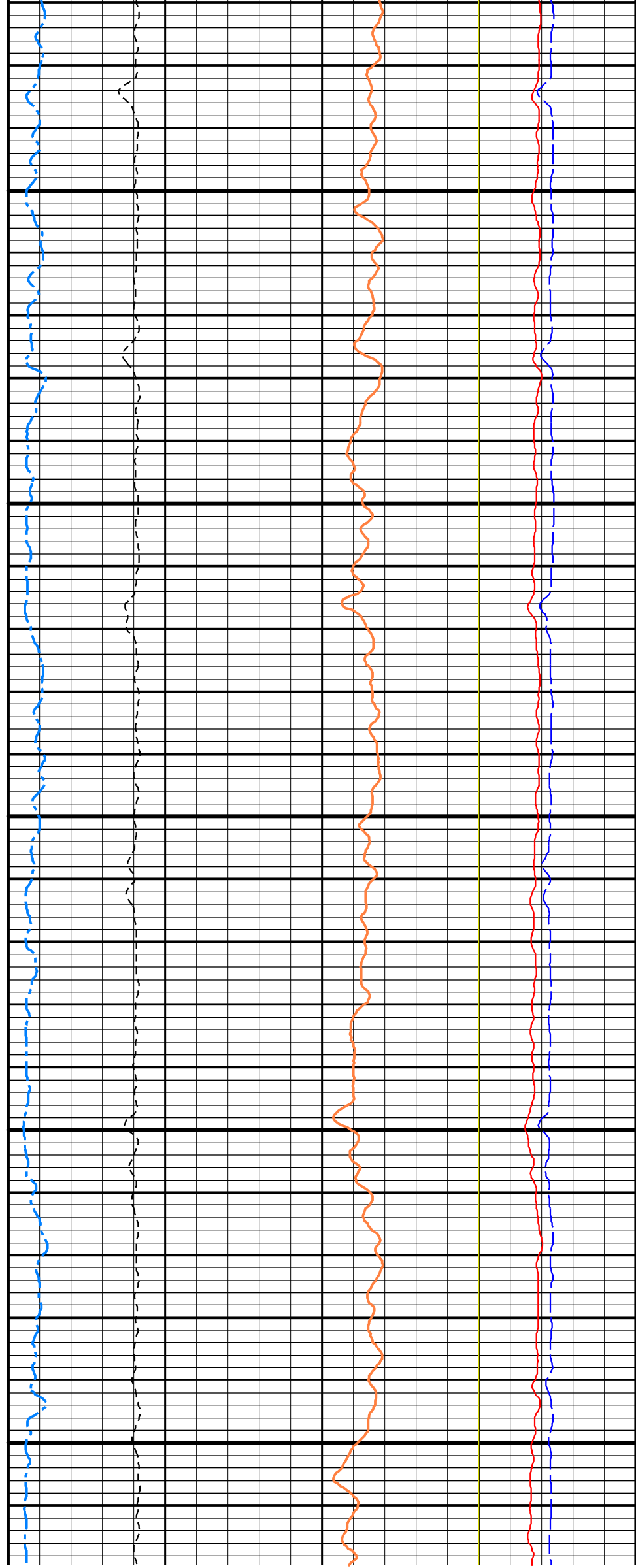
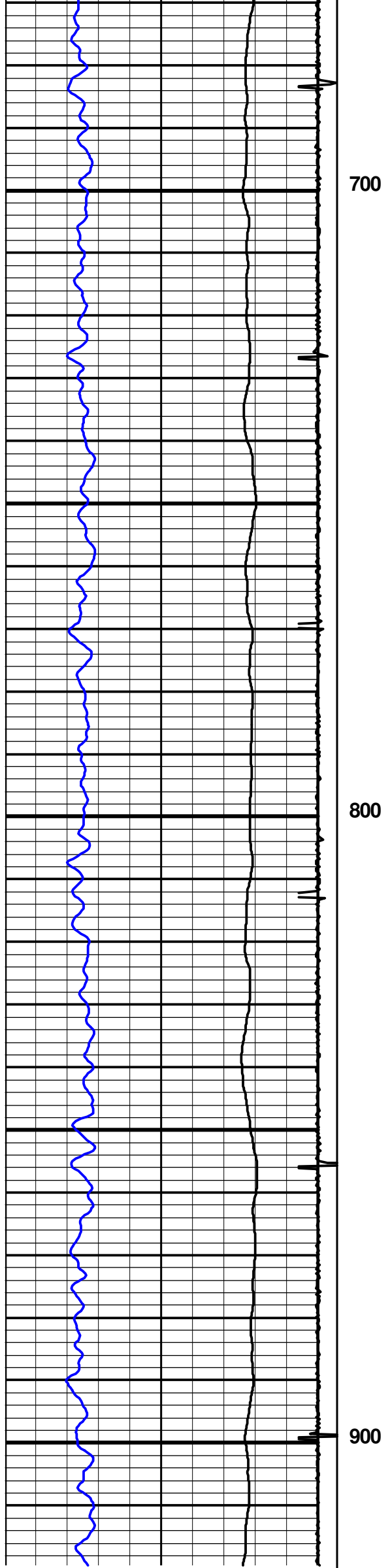
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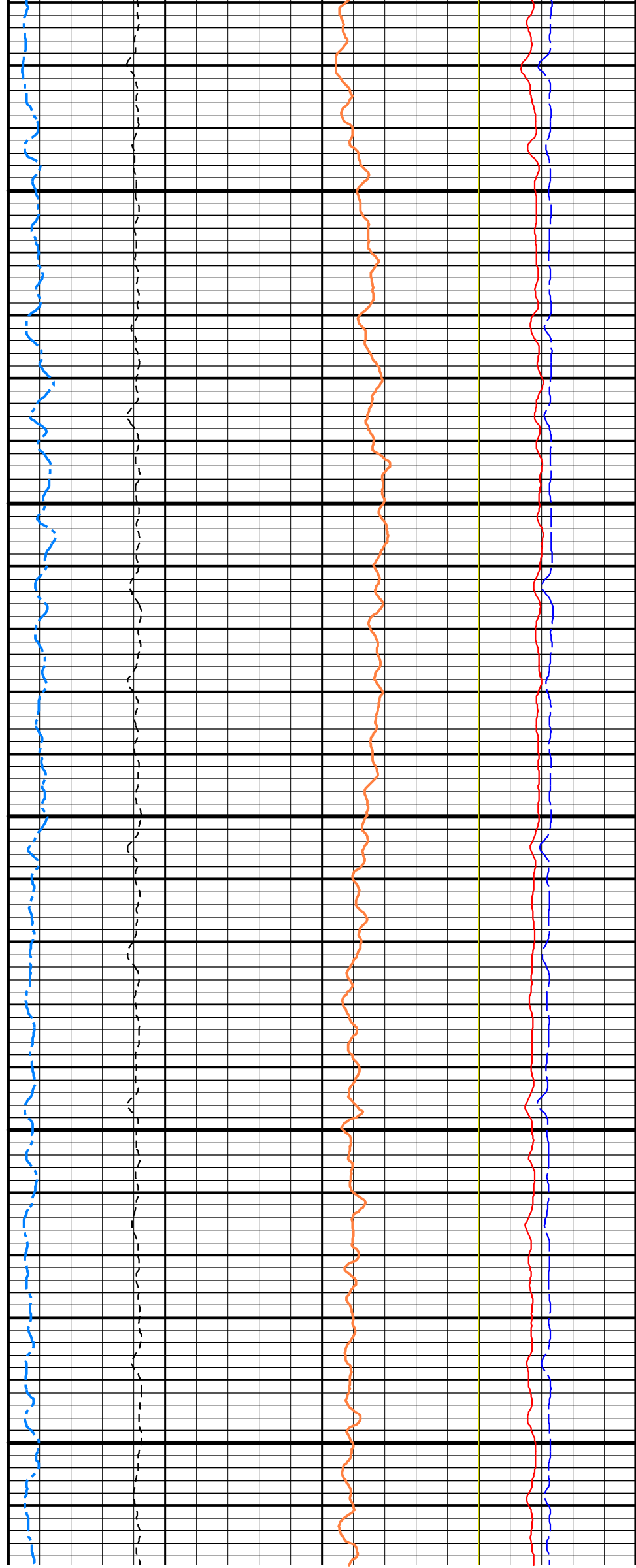
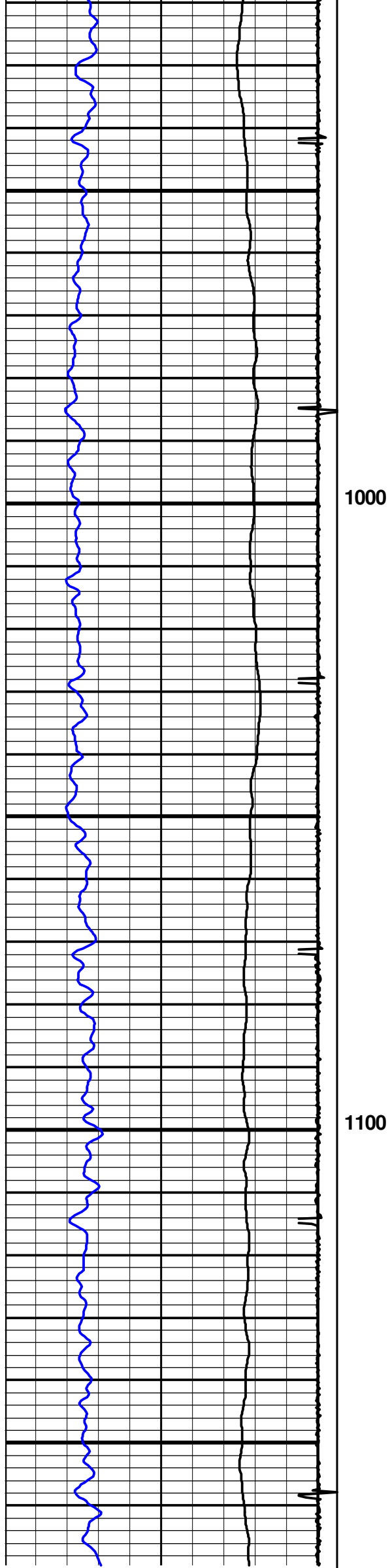
Main Pass

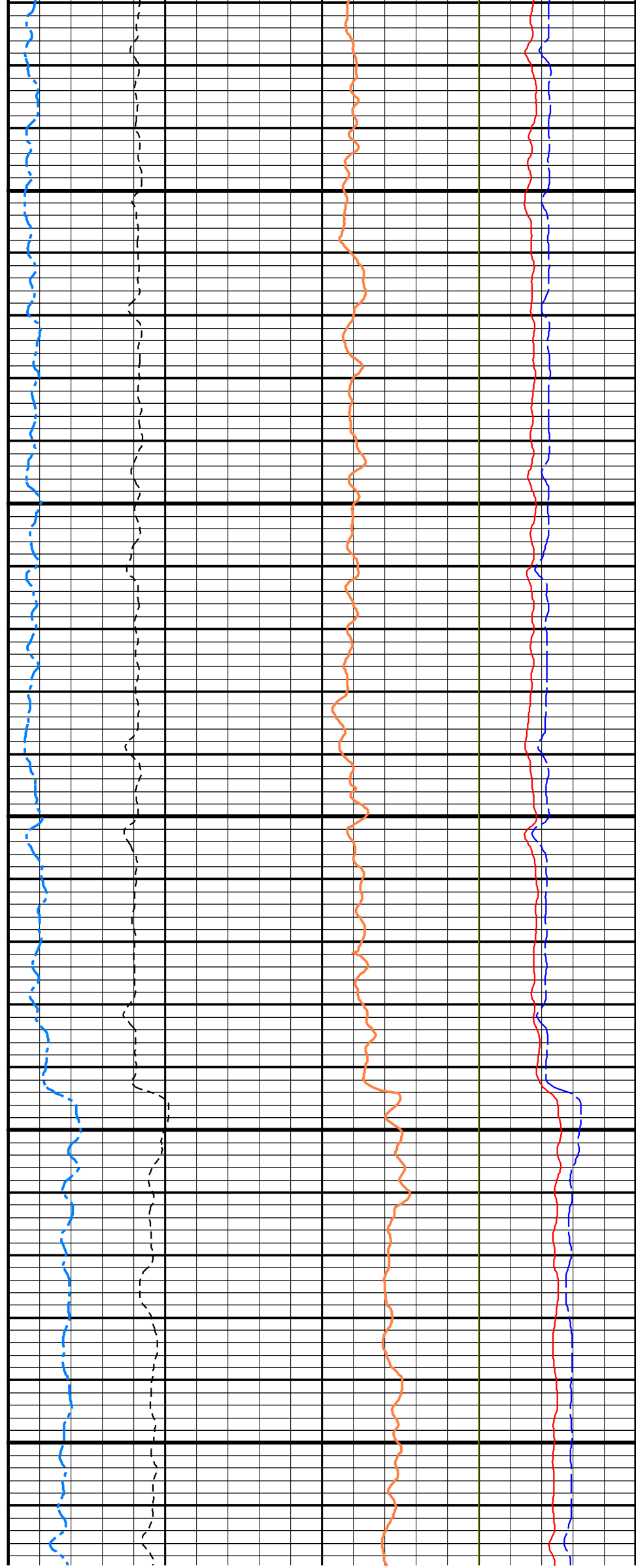
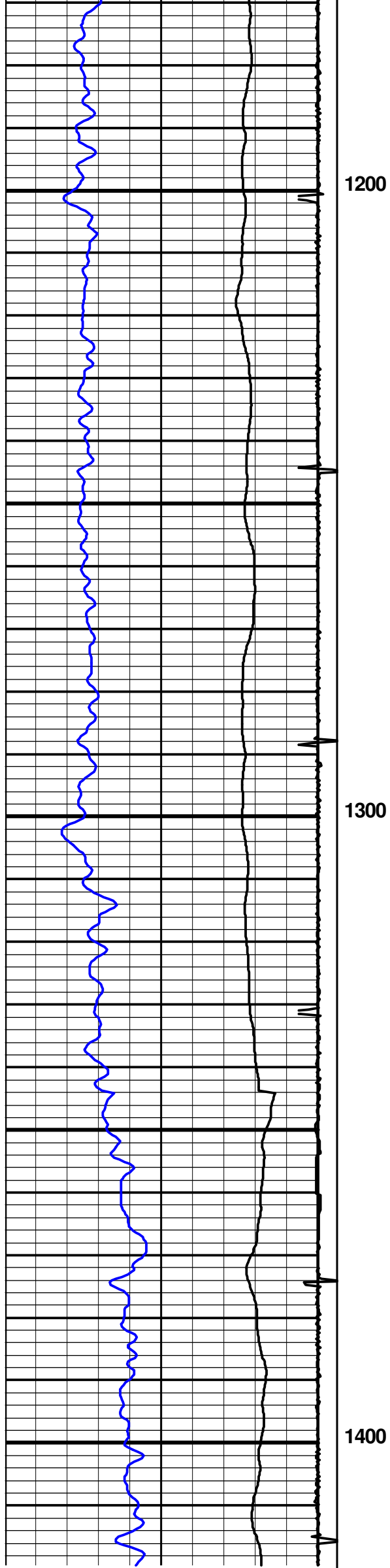


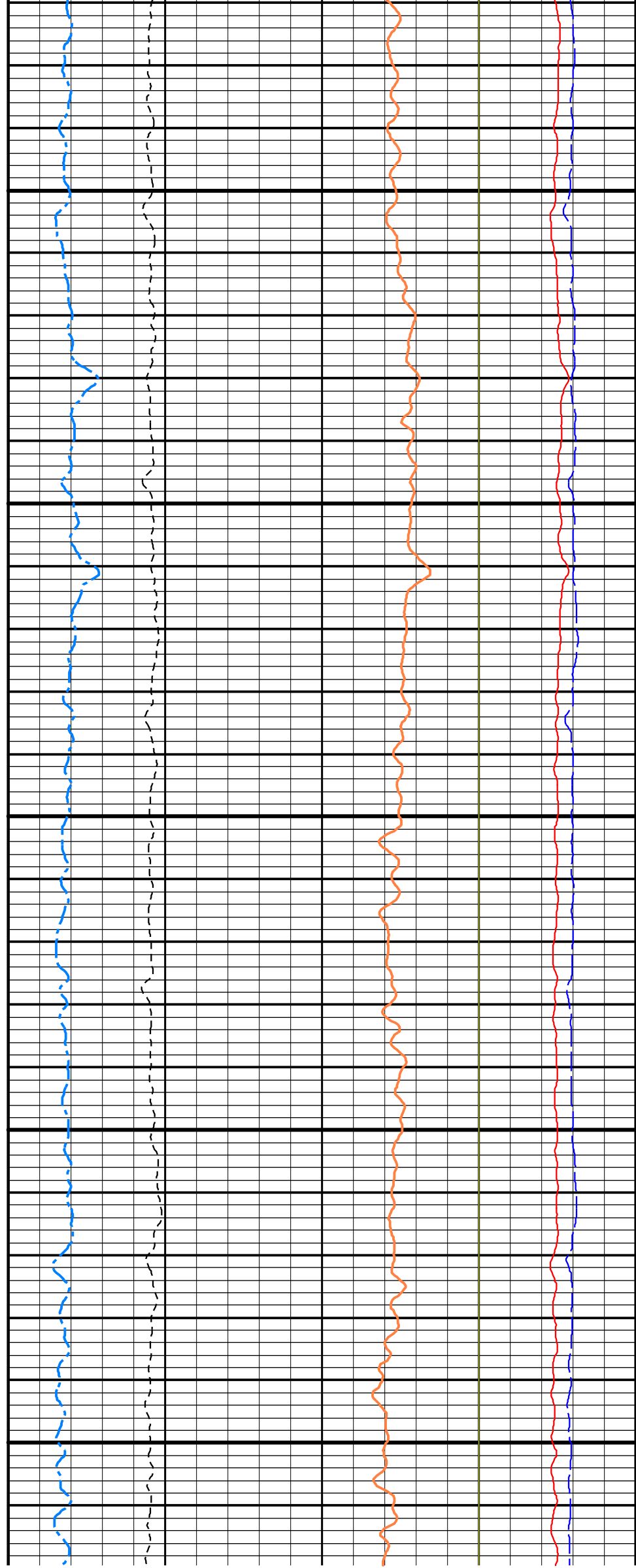
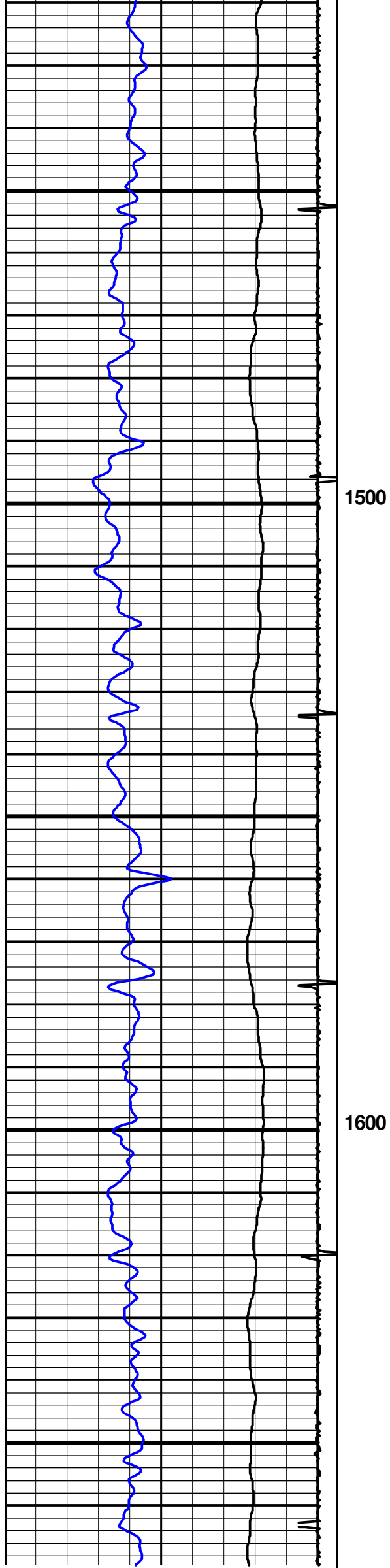


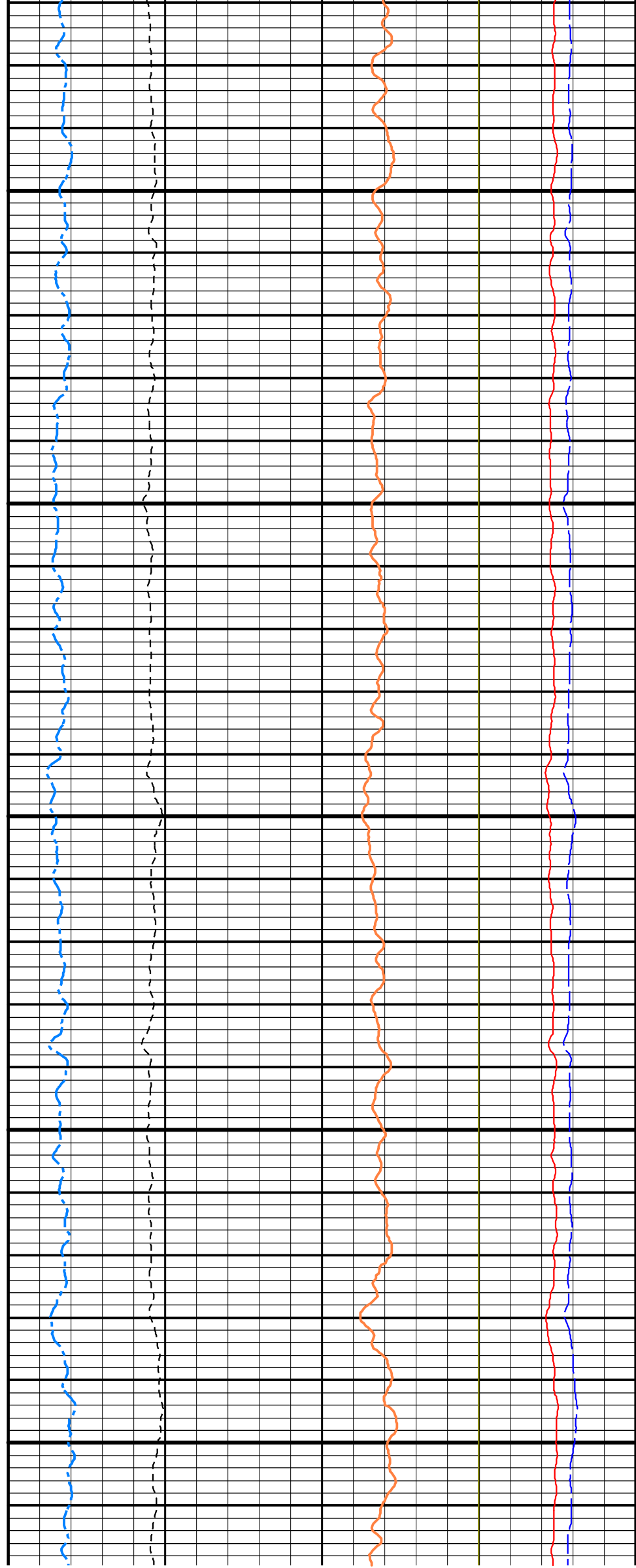
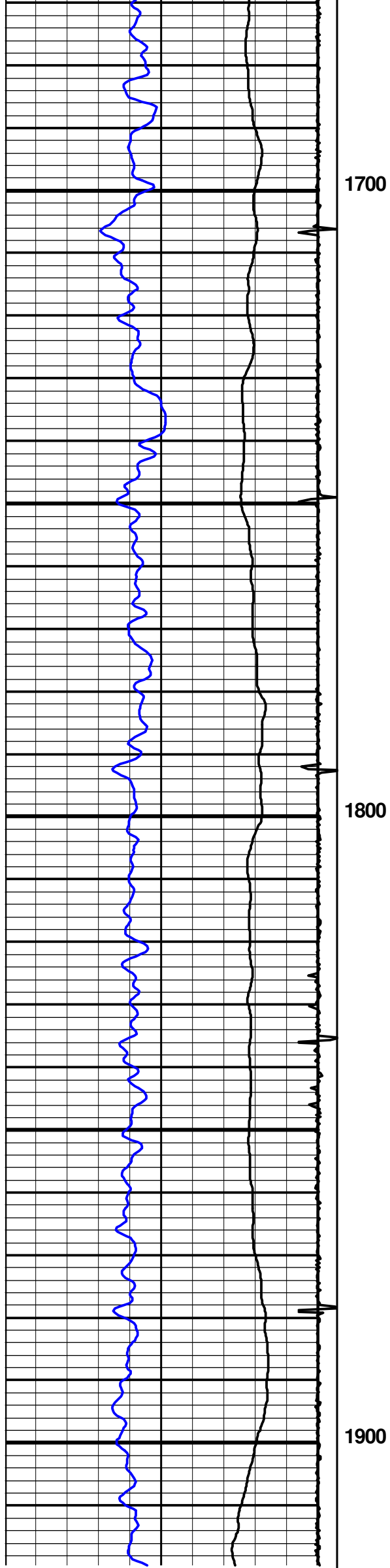


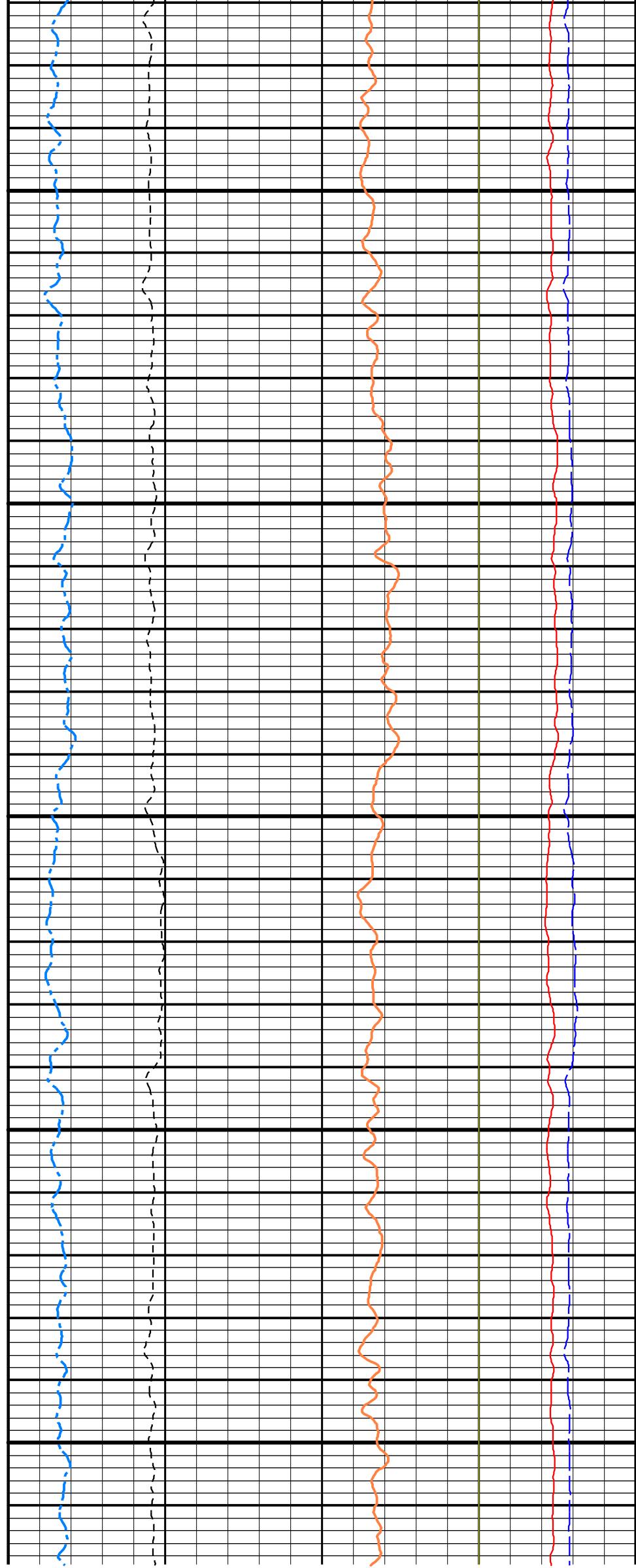
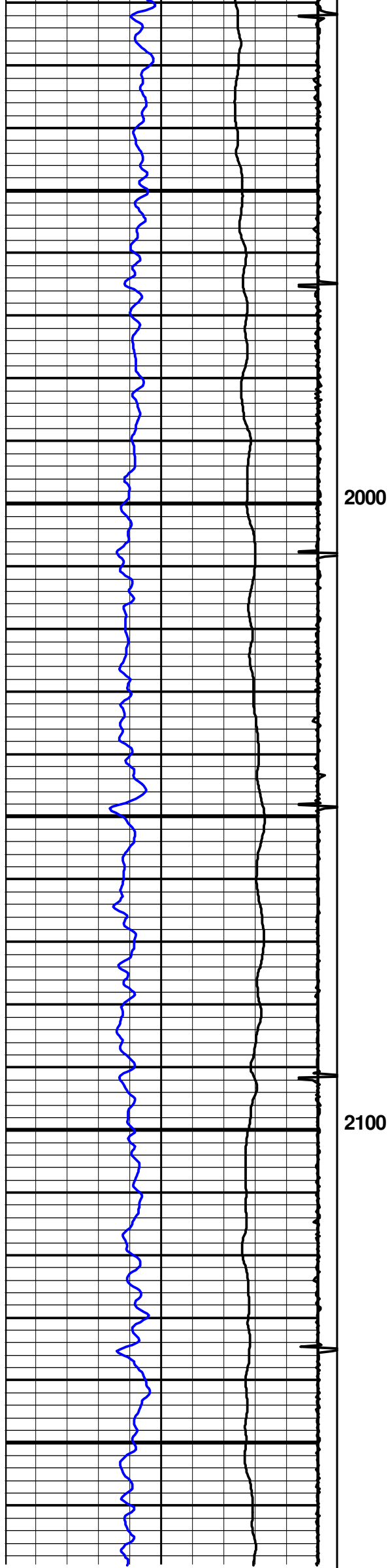


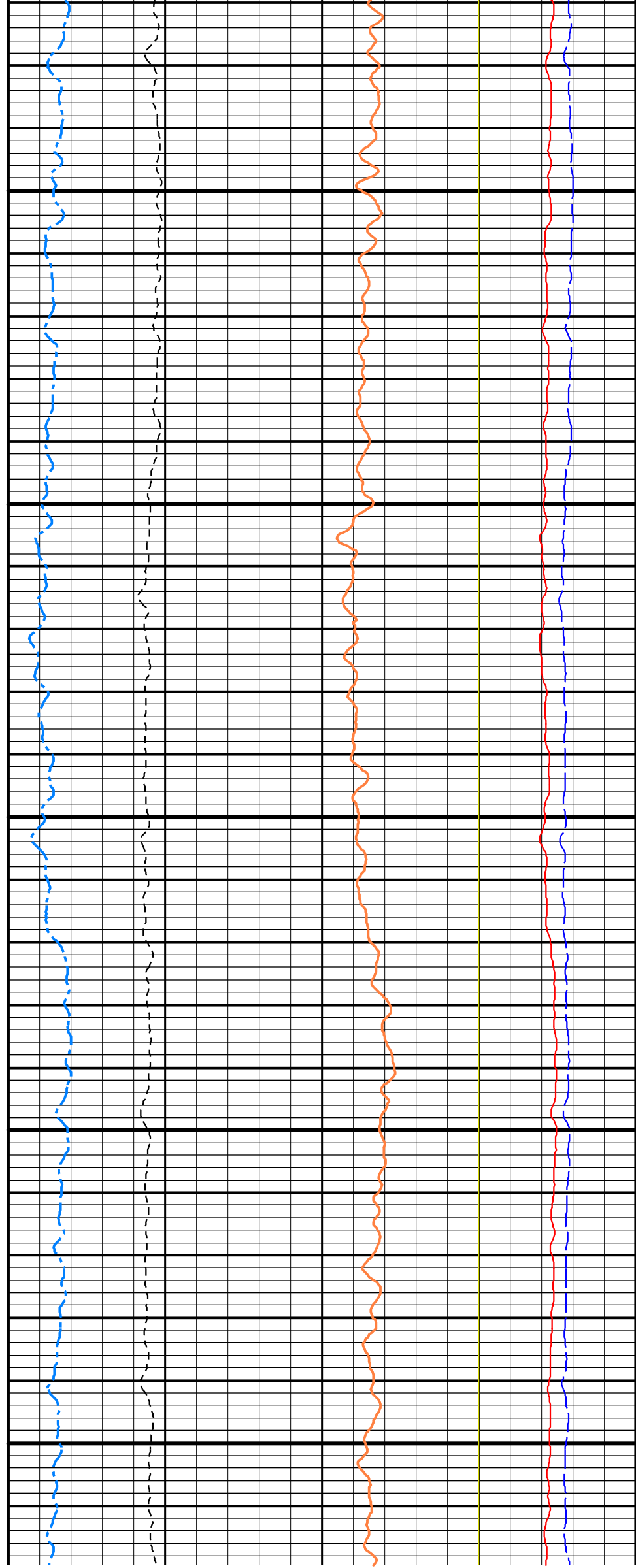
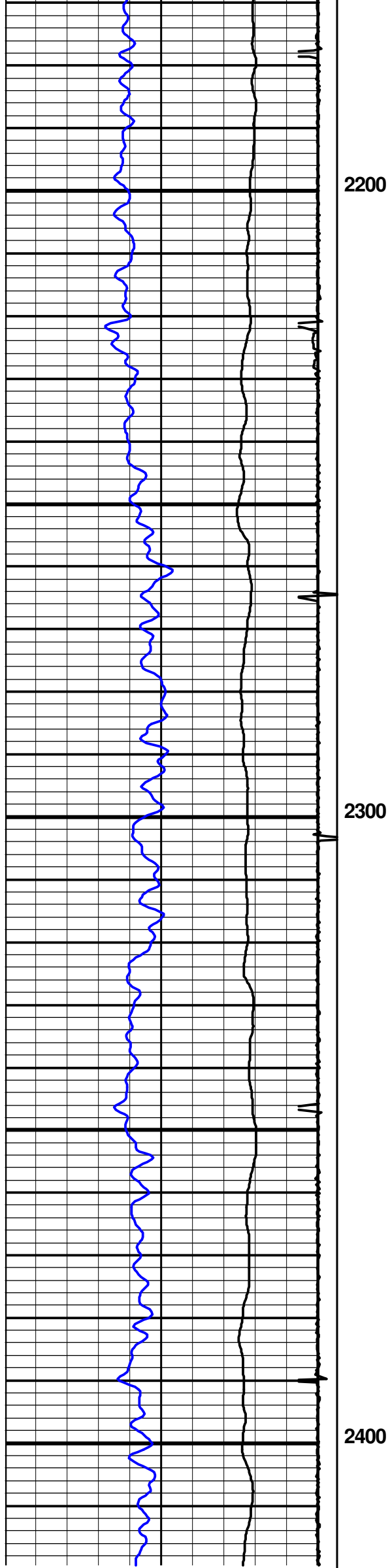


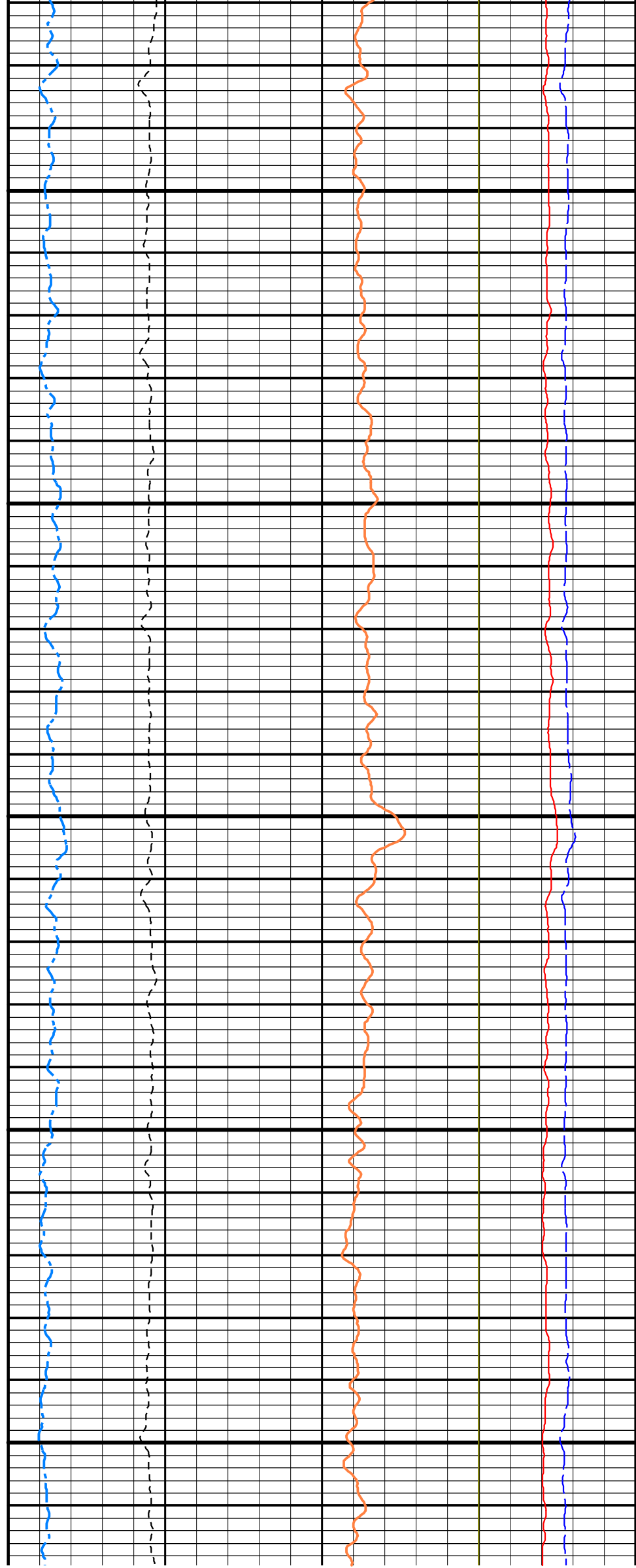
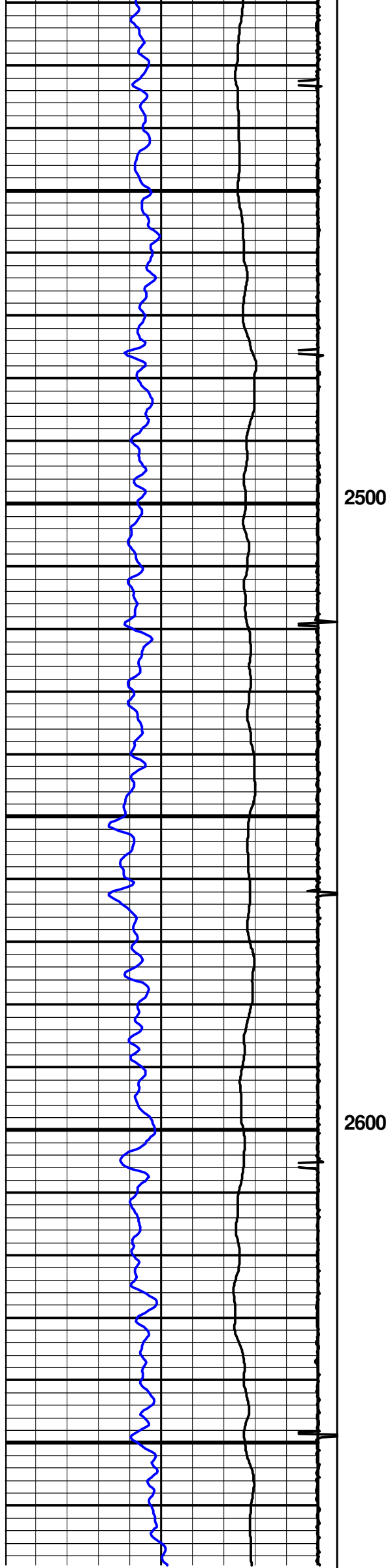


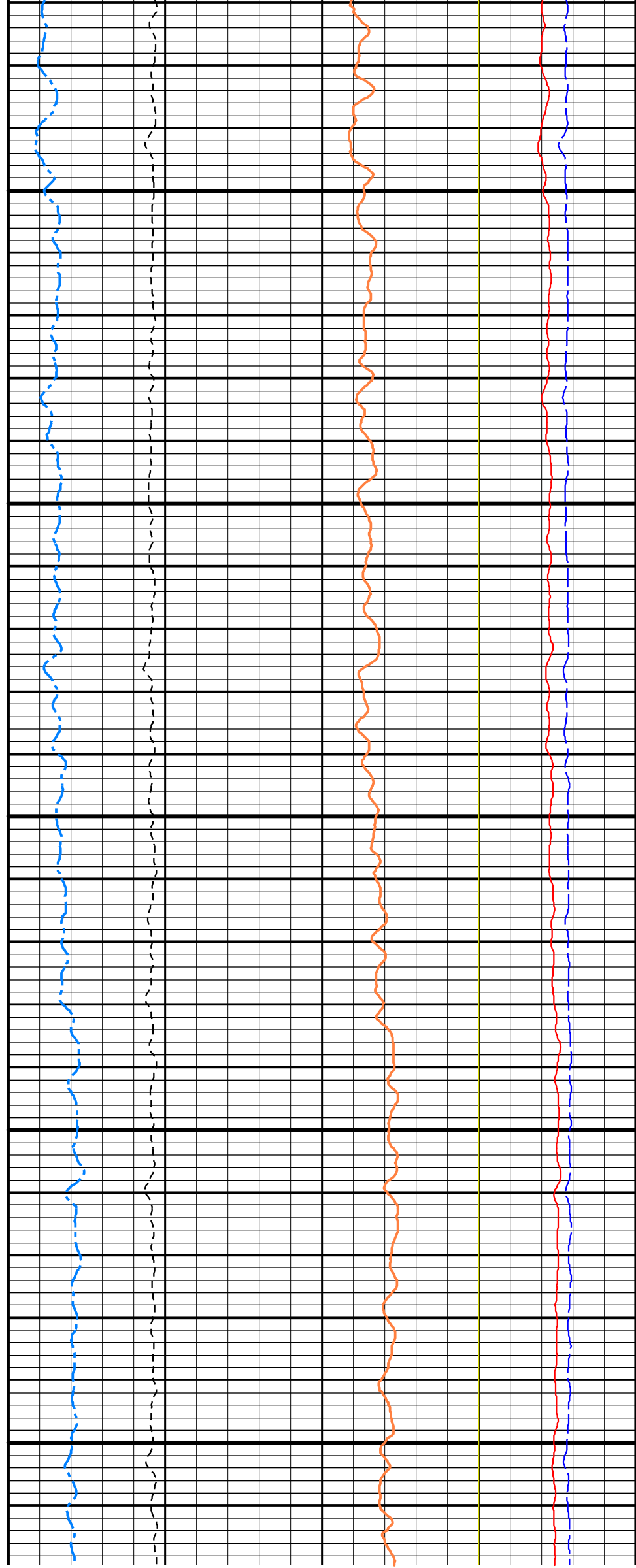
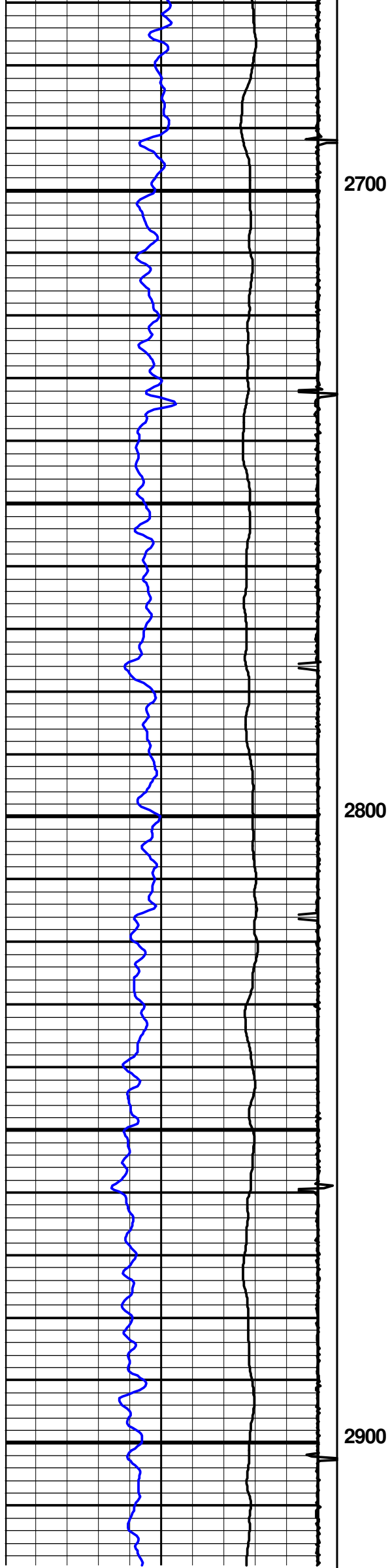


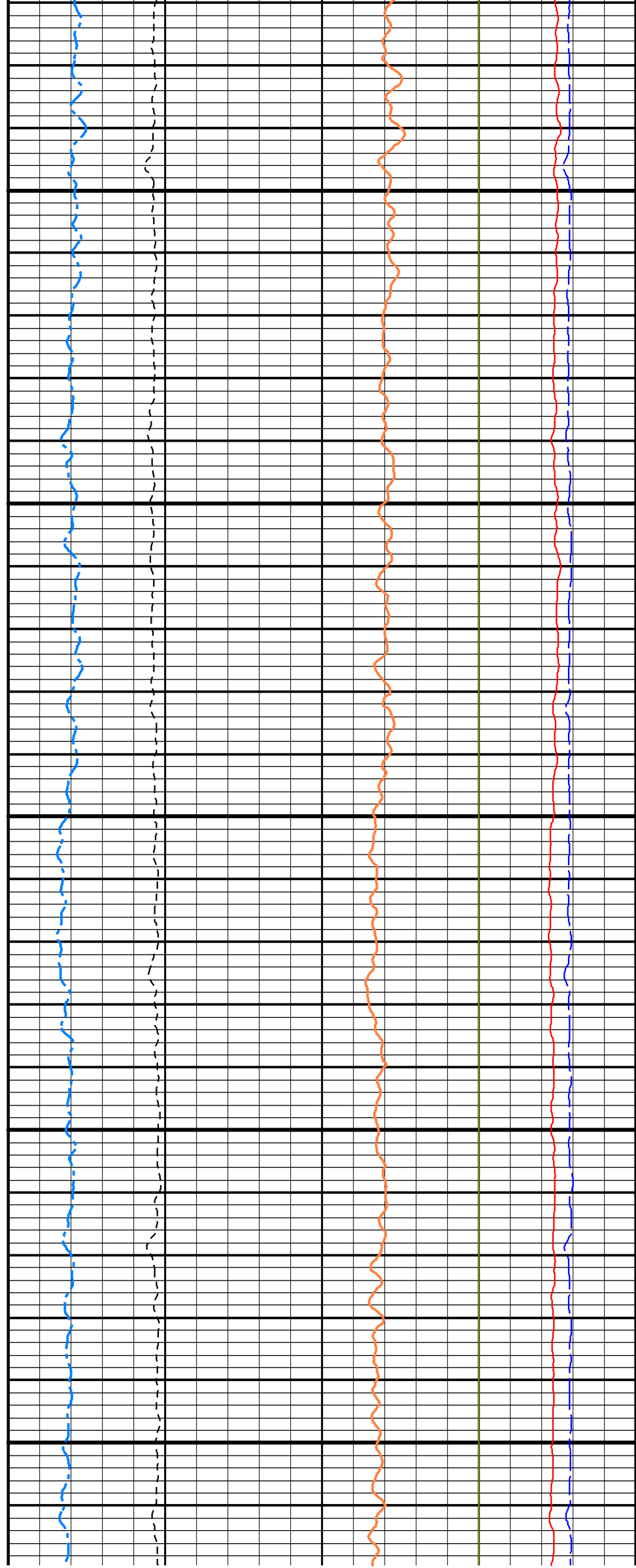
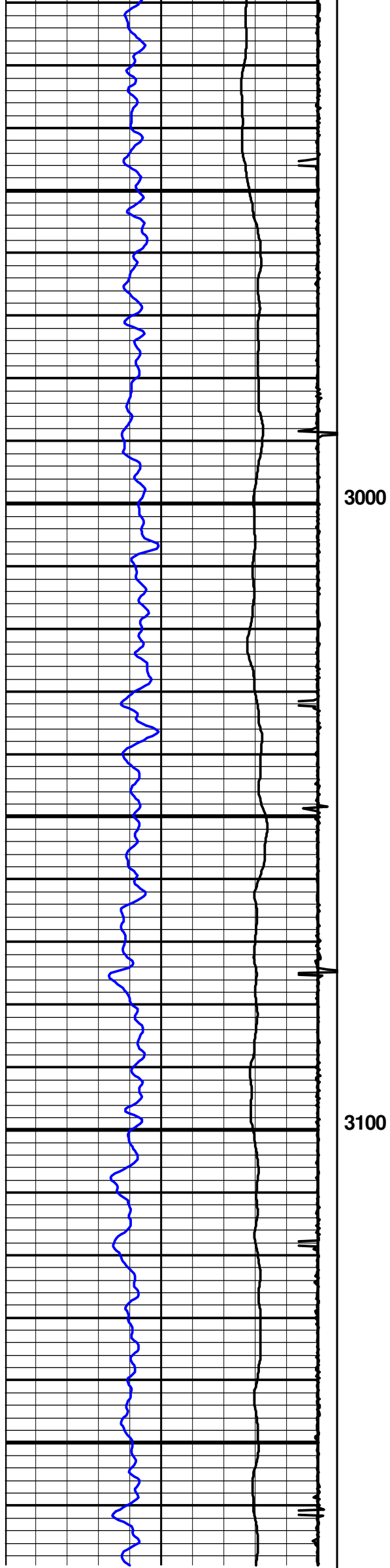


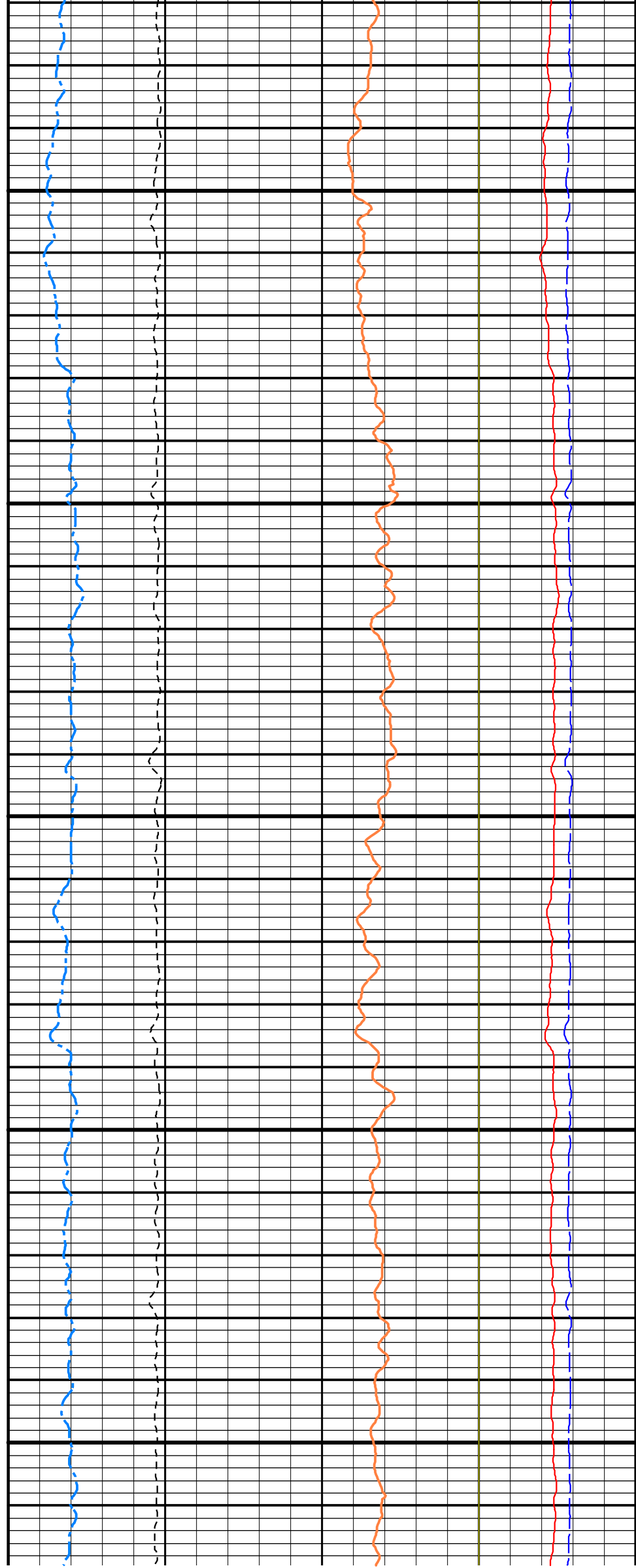
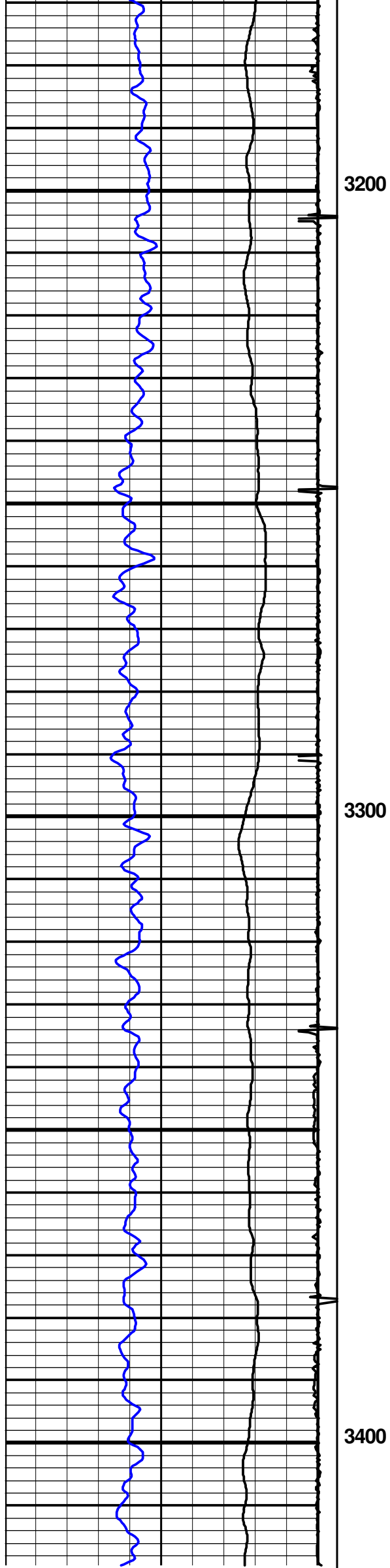


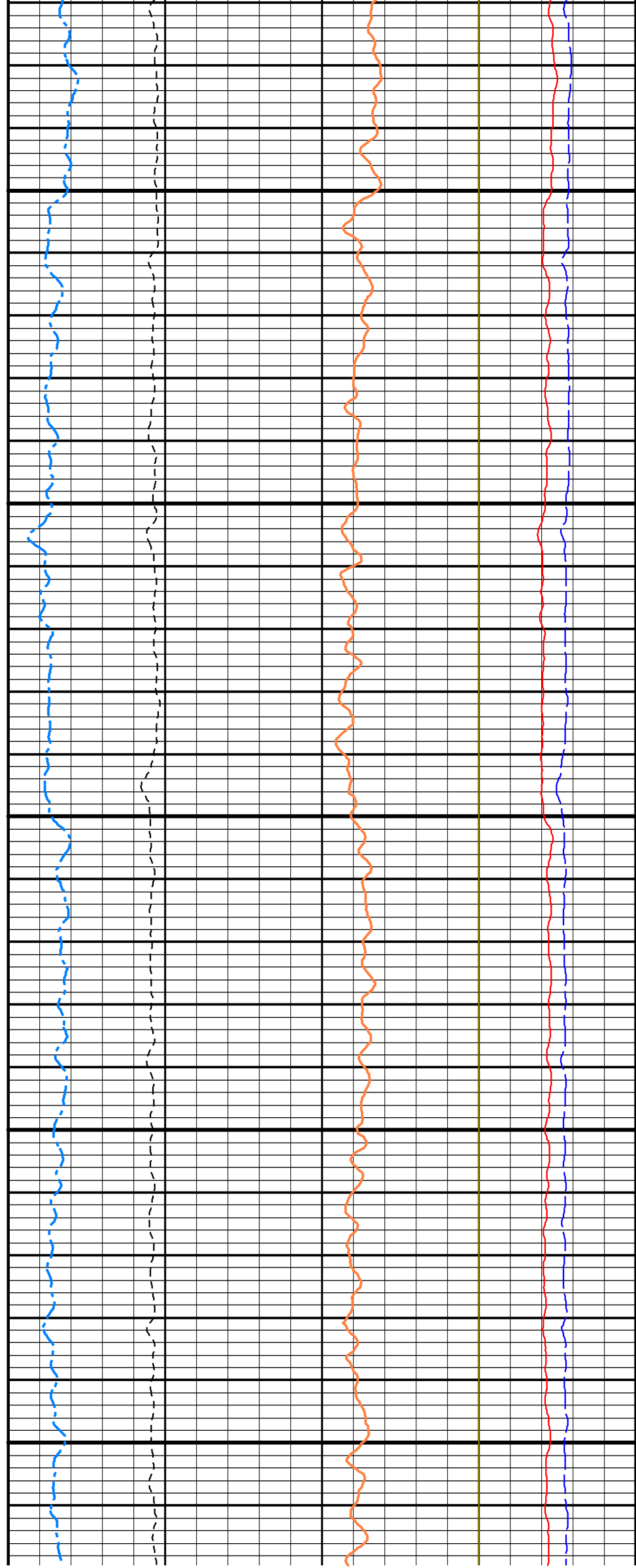
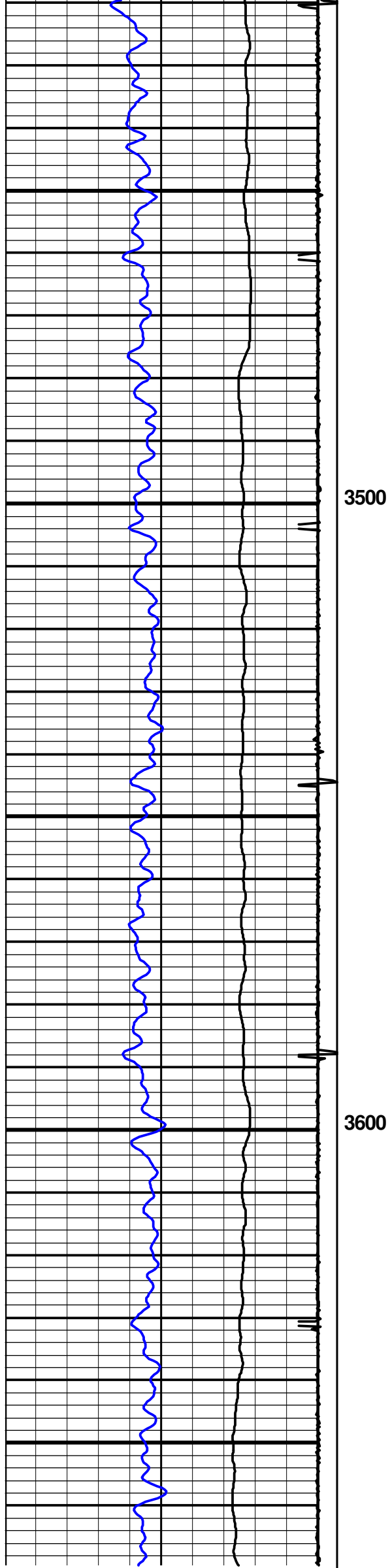


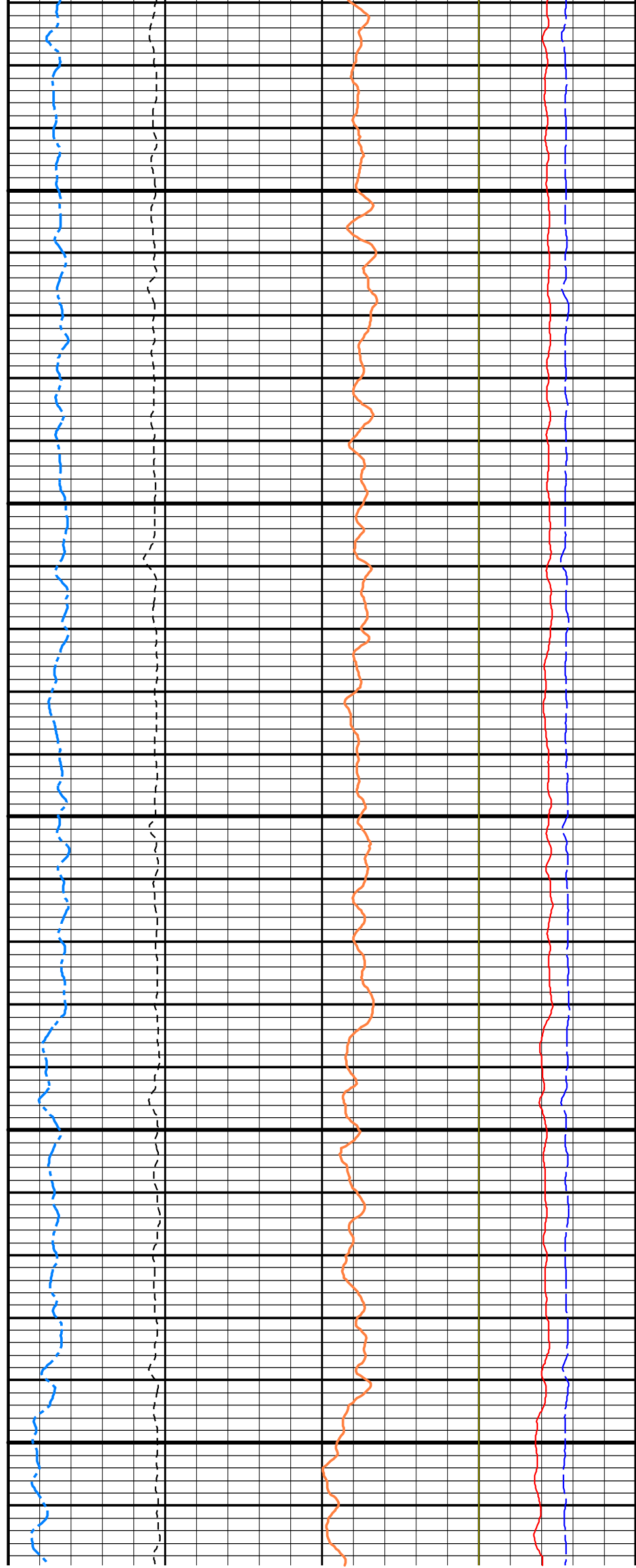
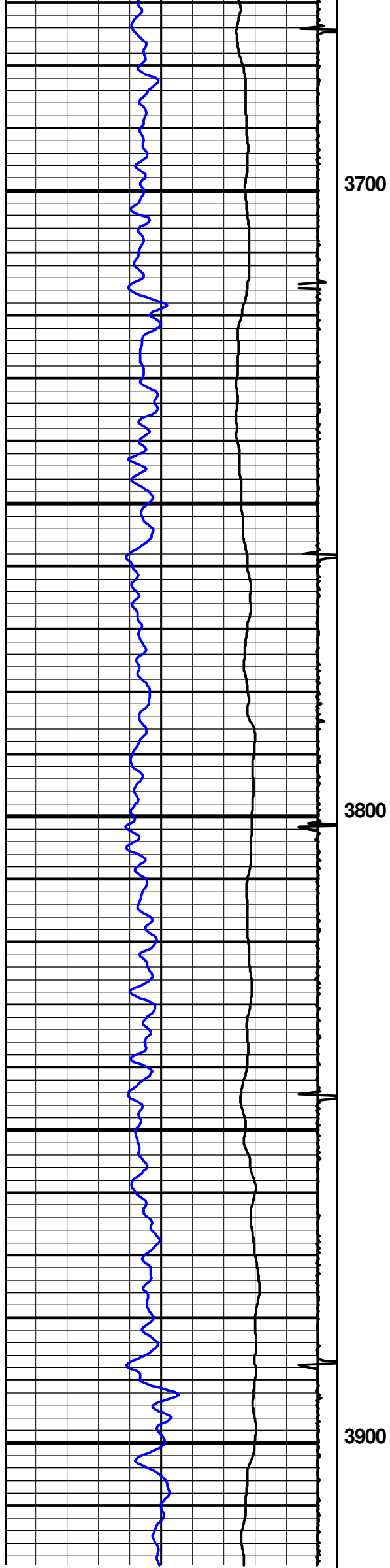


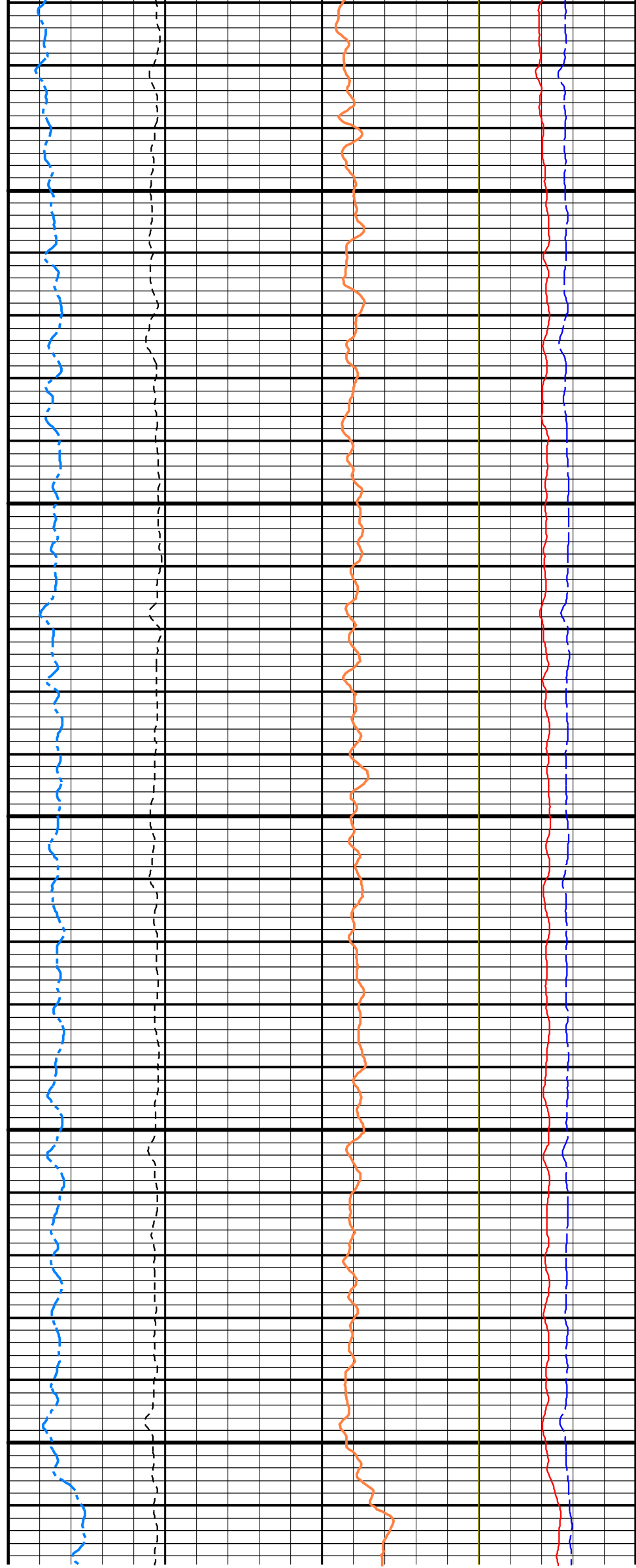
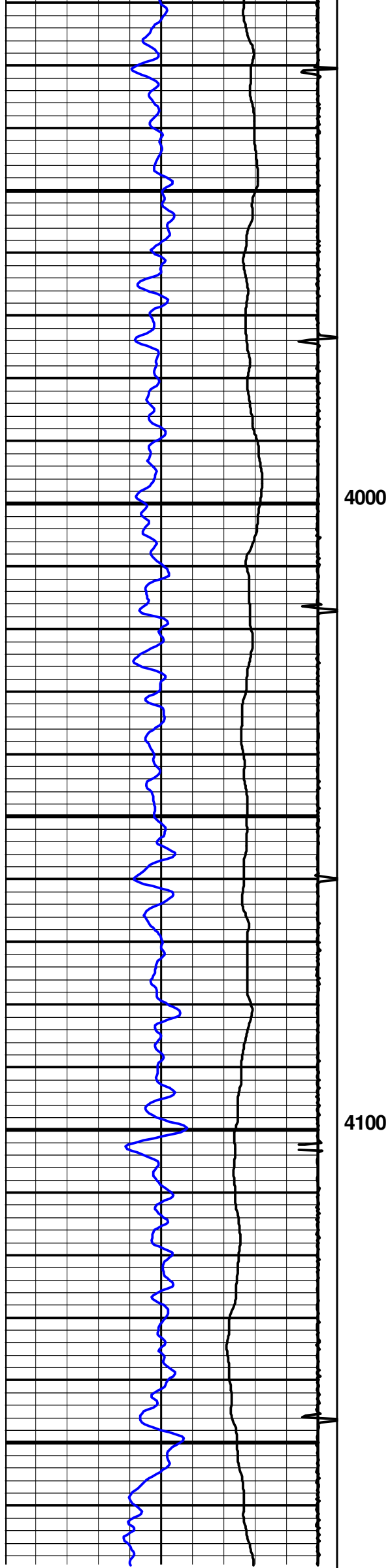


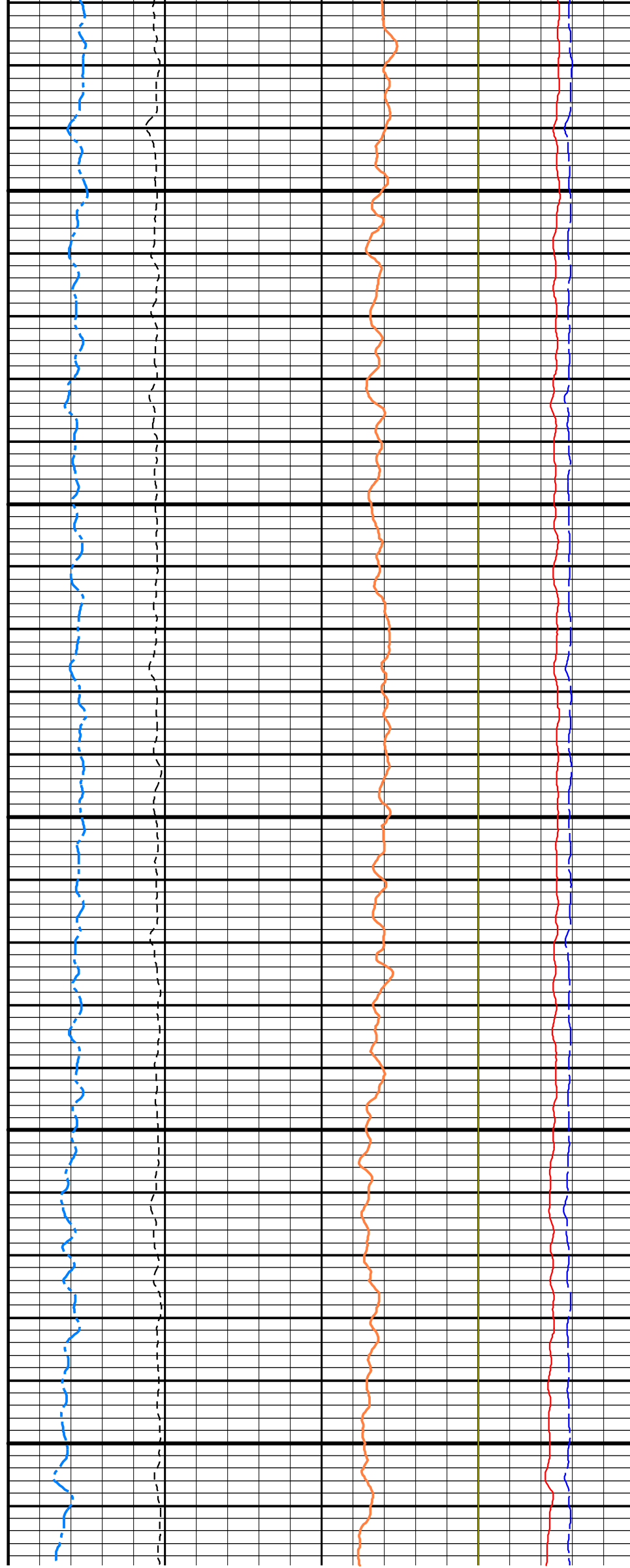
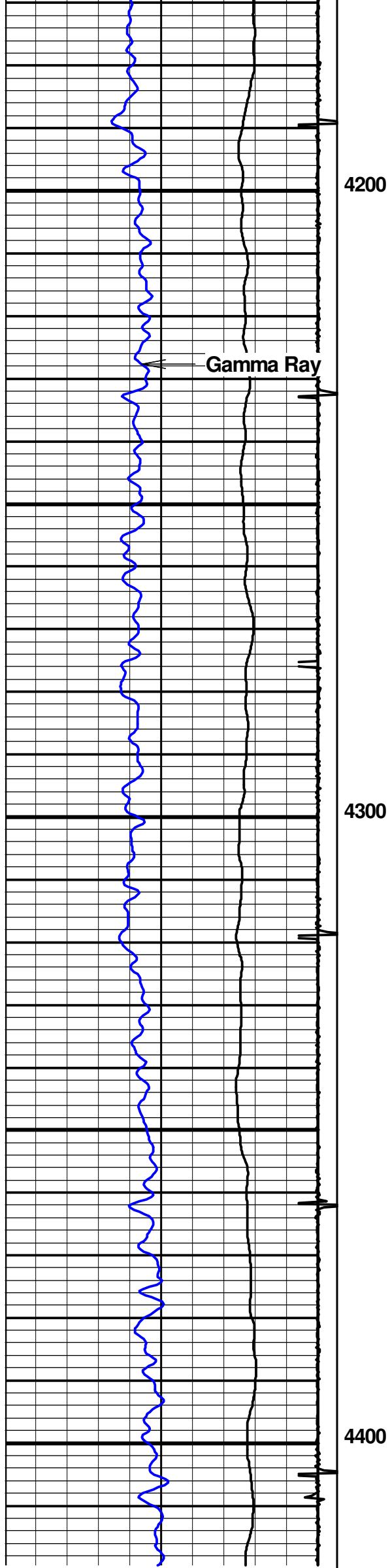


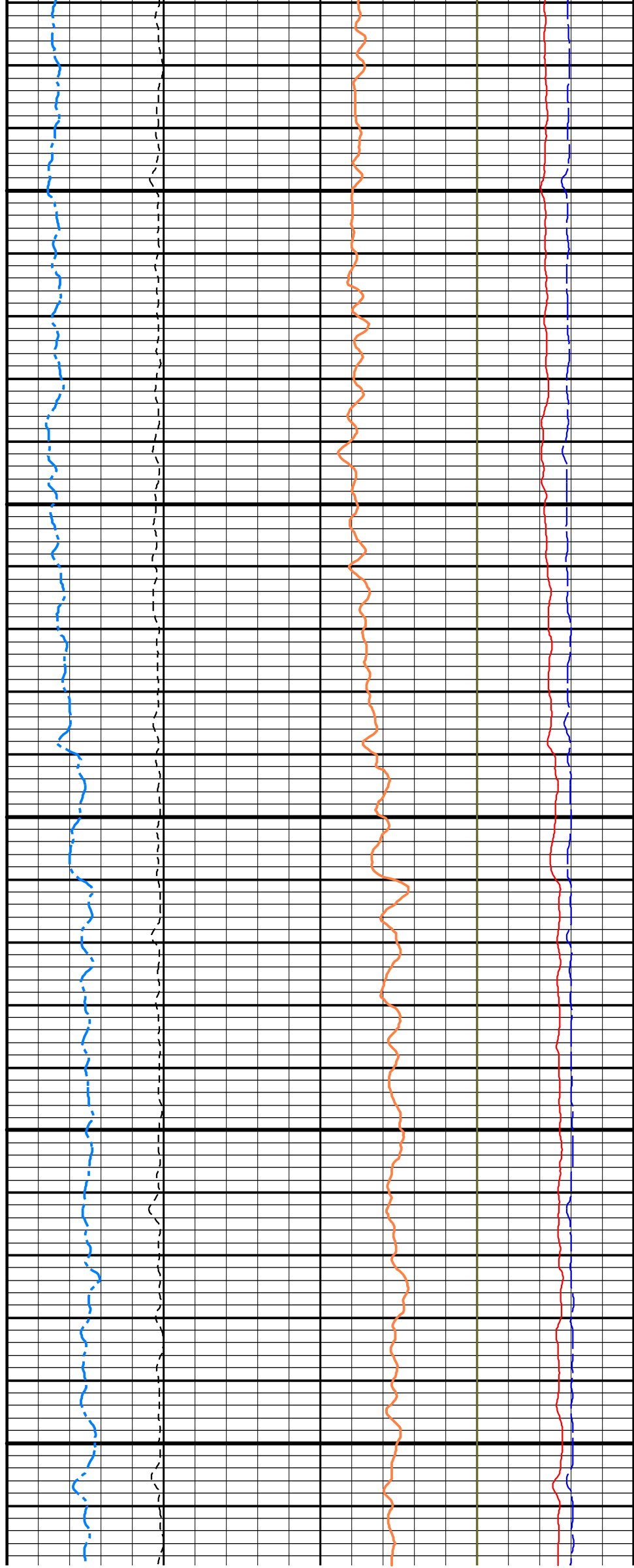
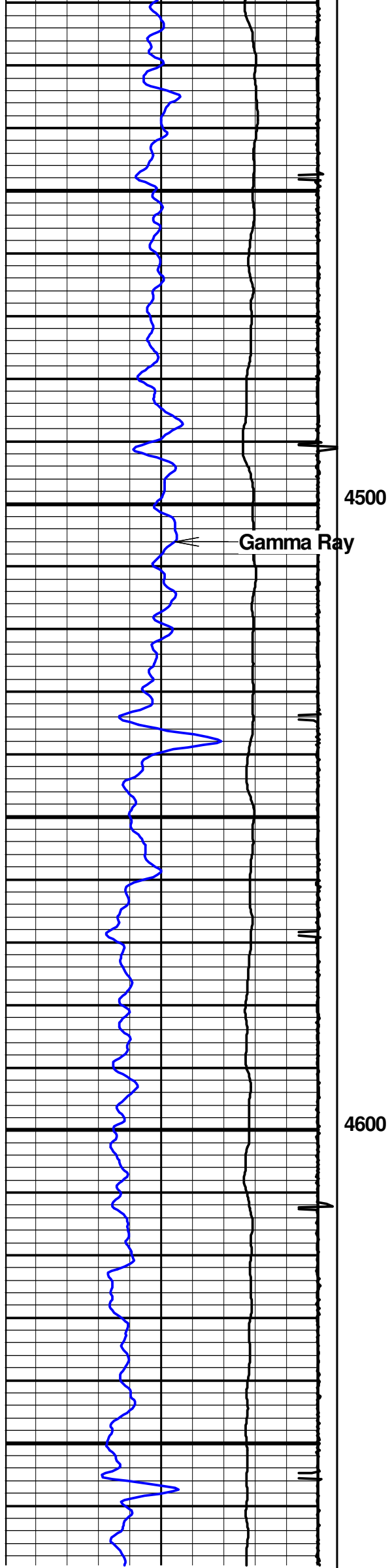


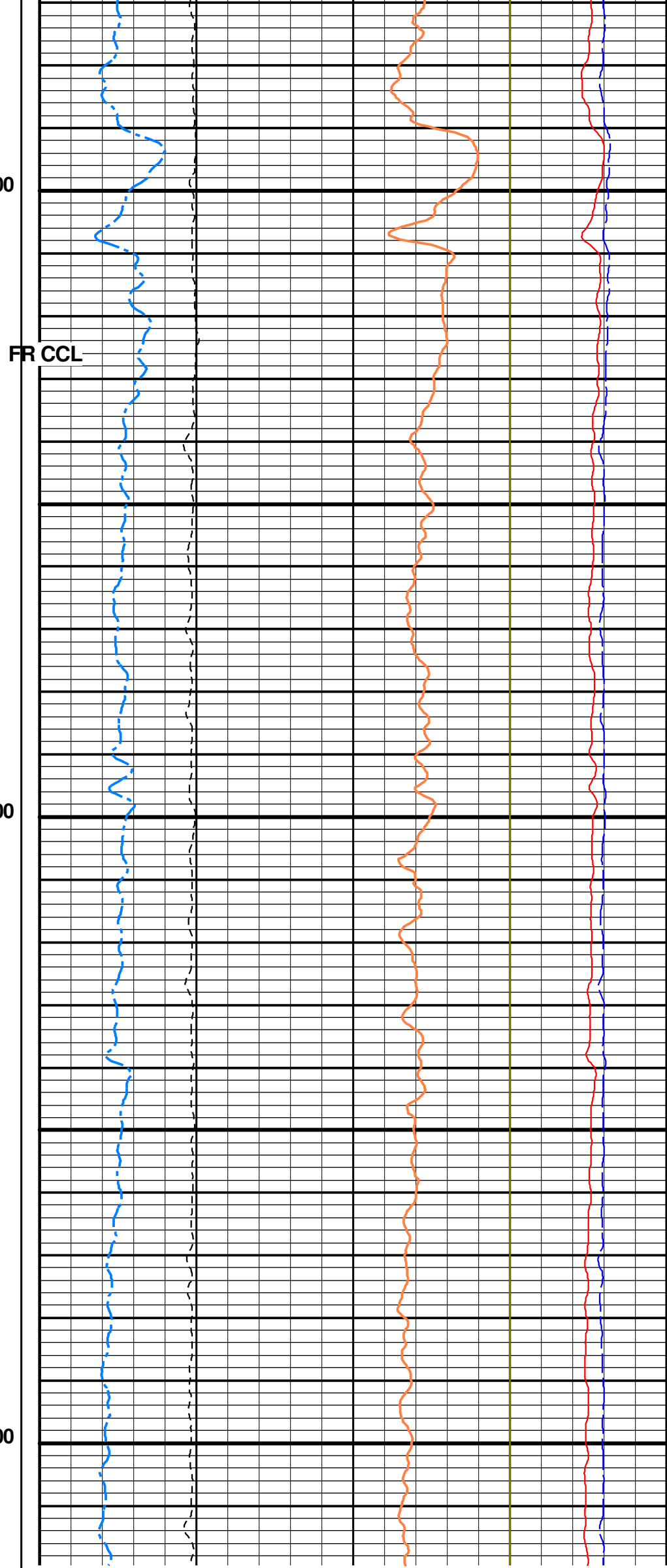
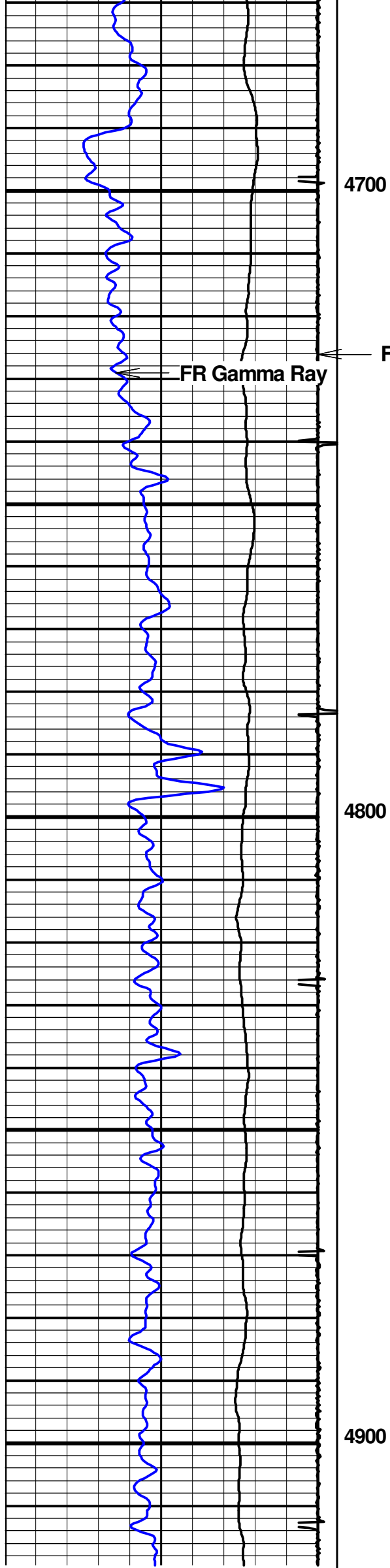


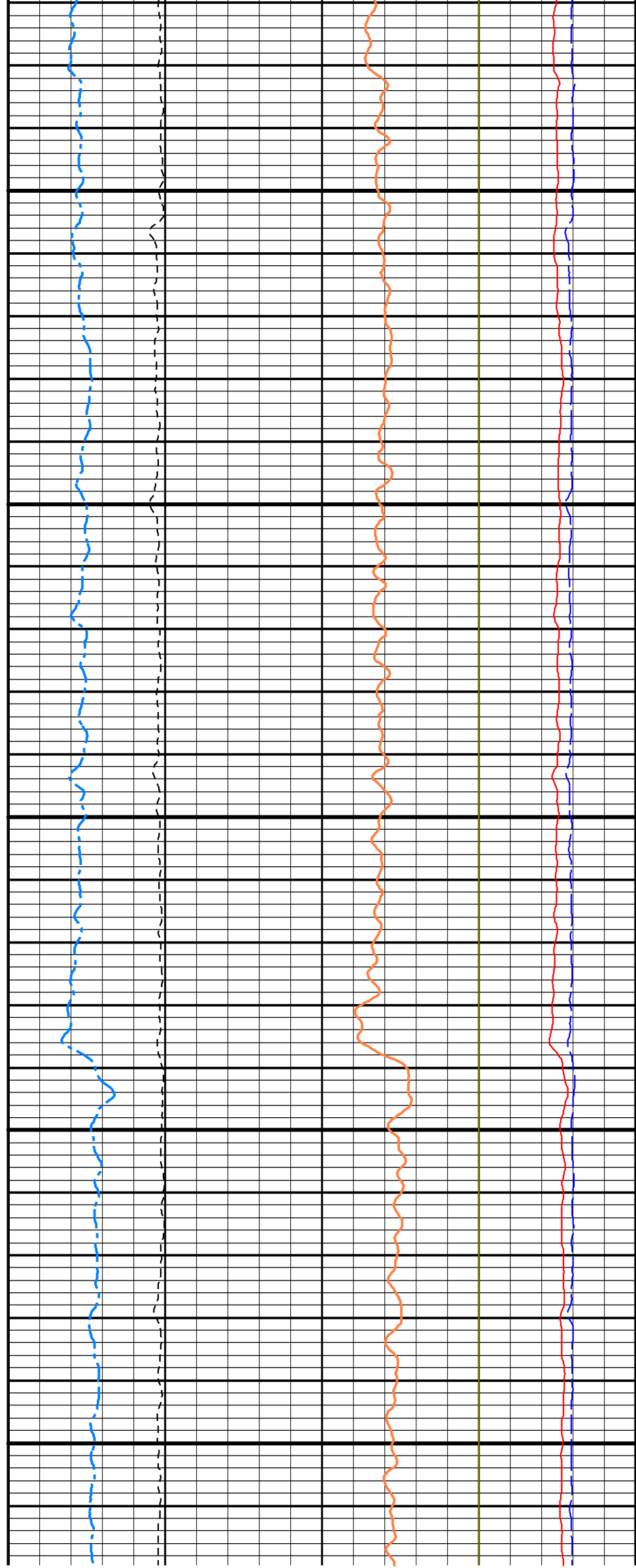
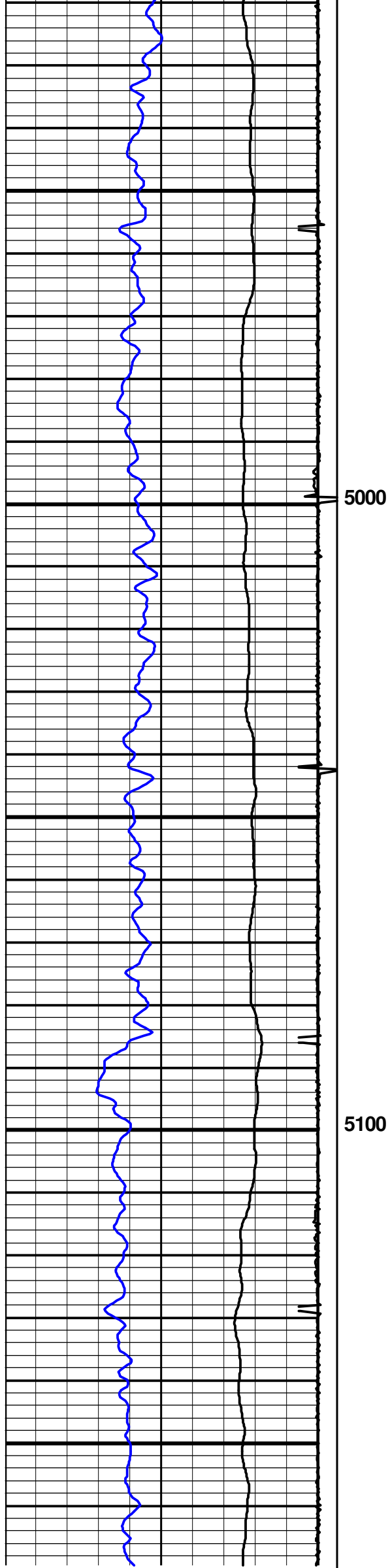


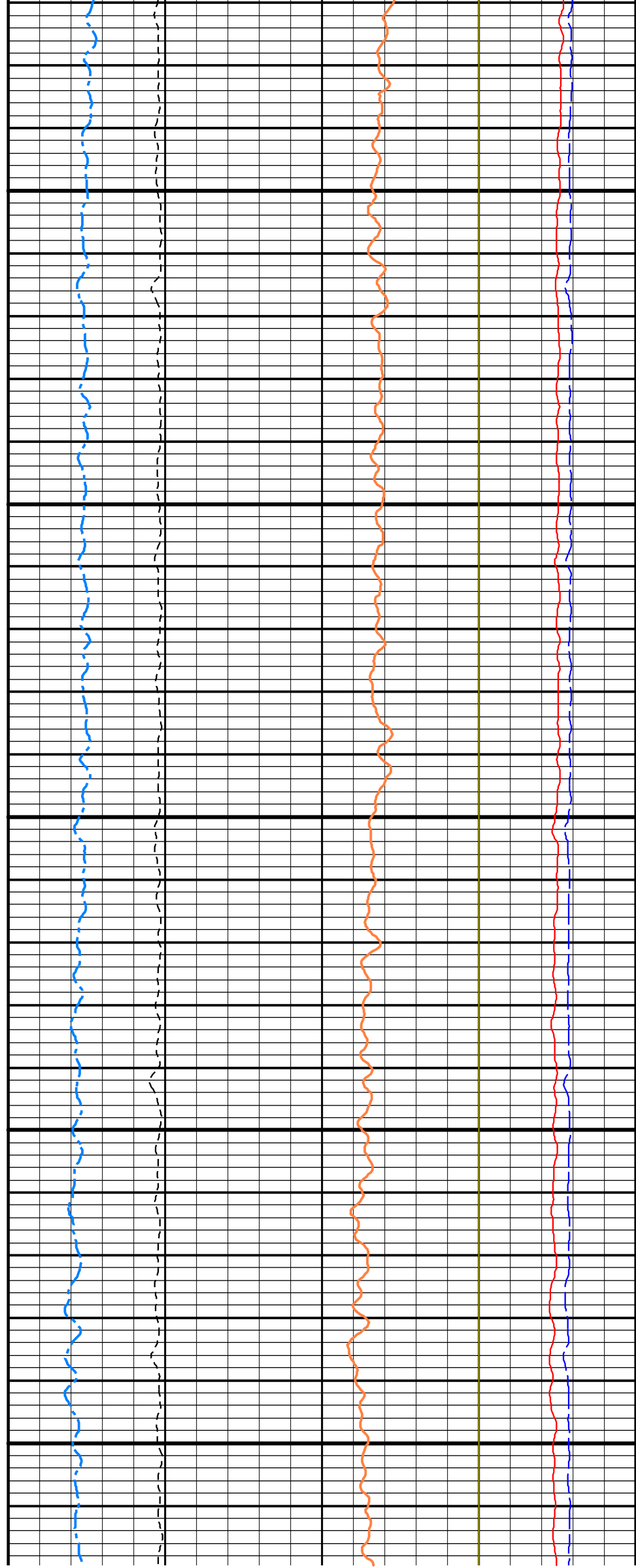
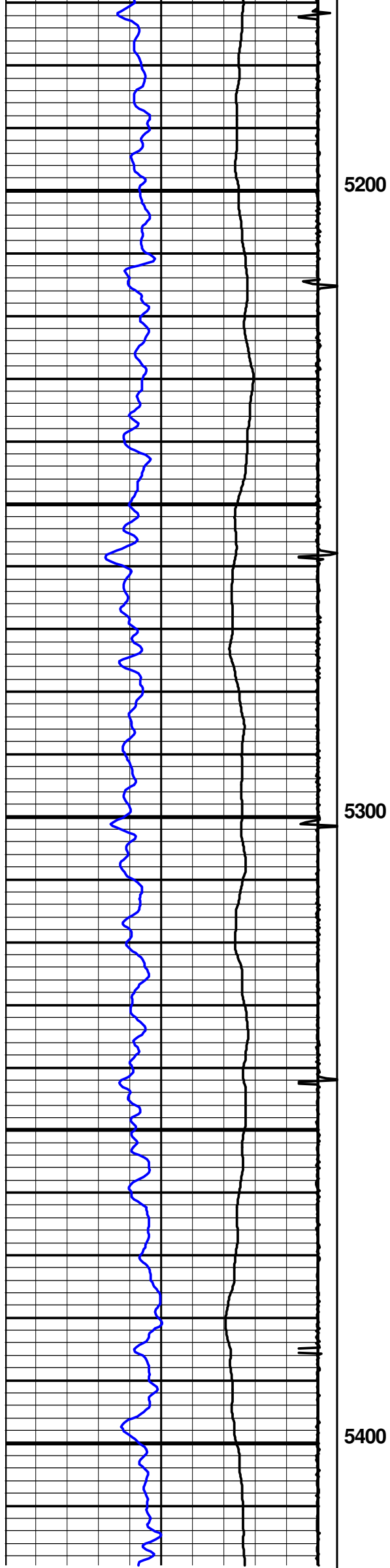


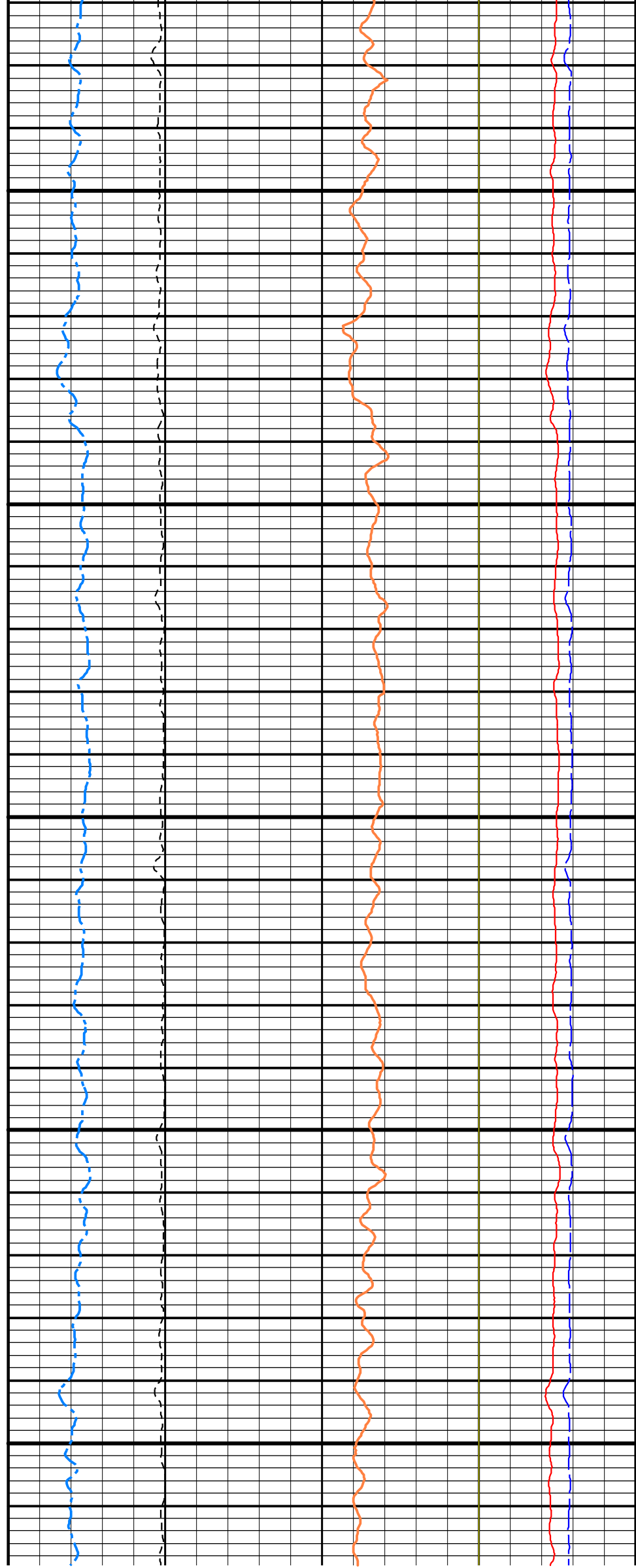
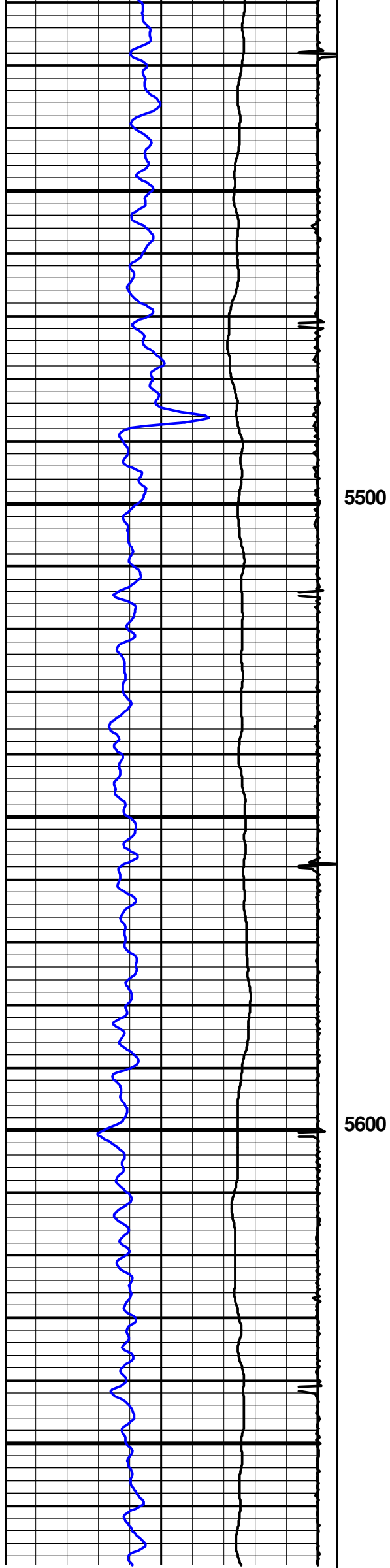


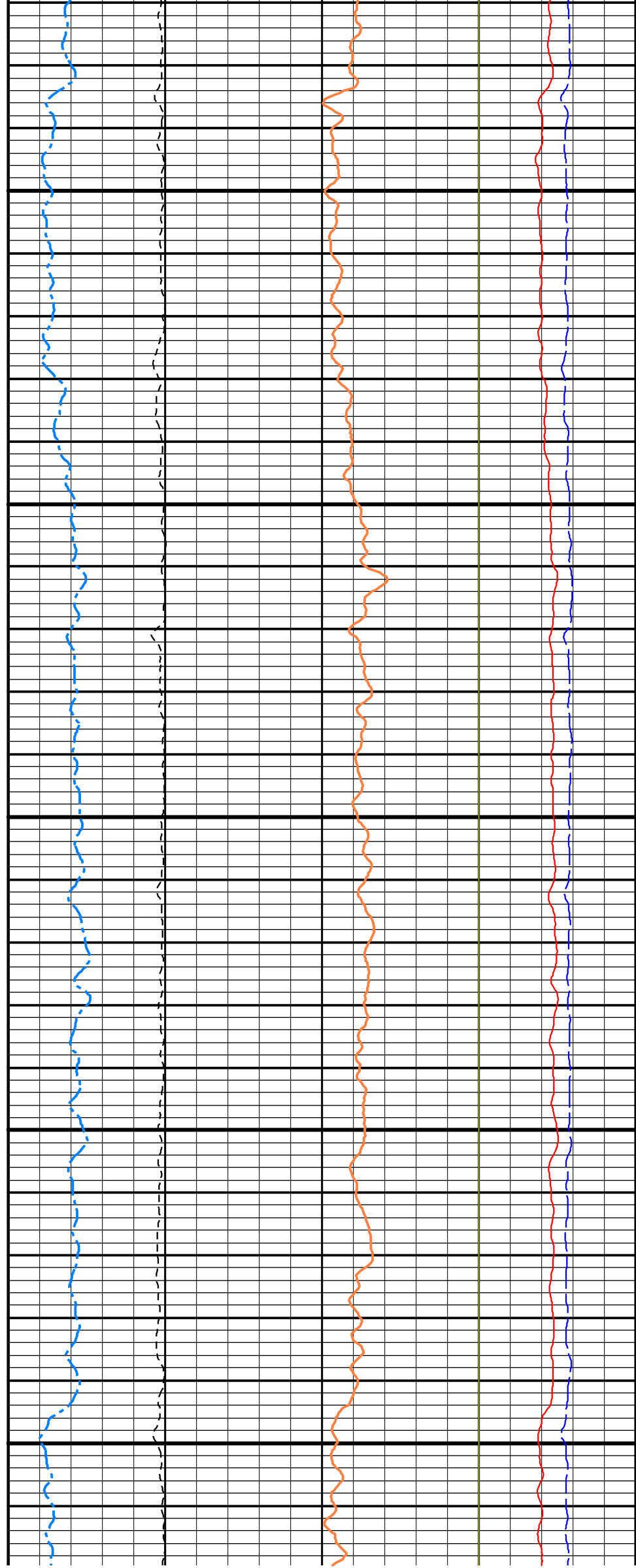
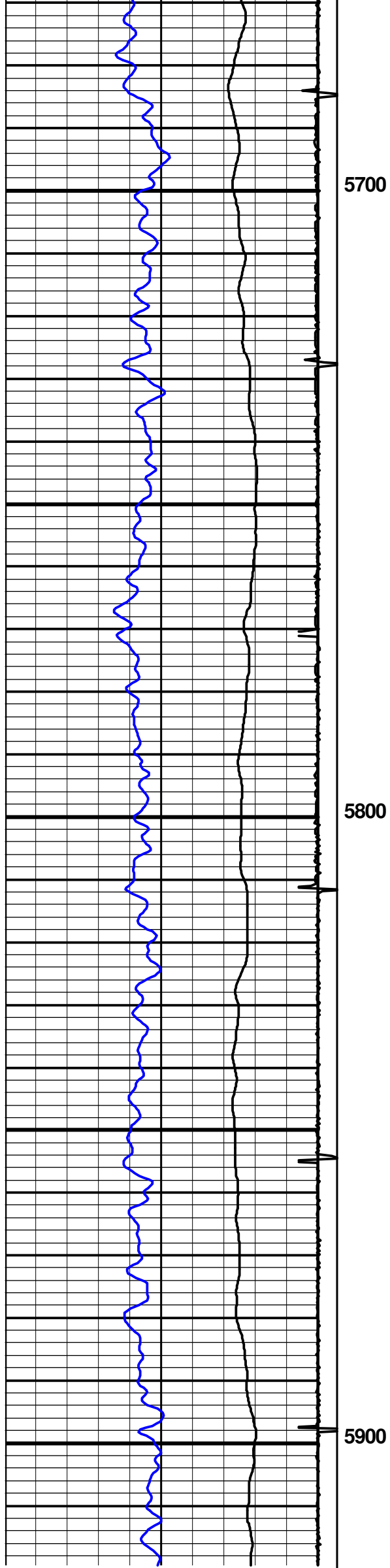


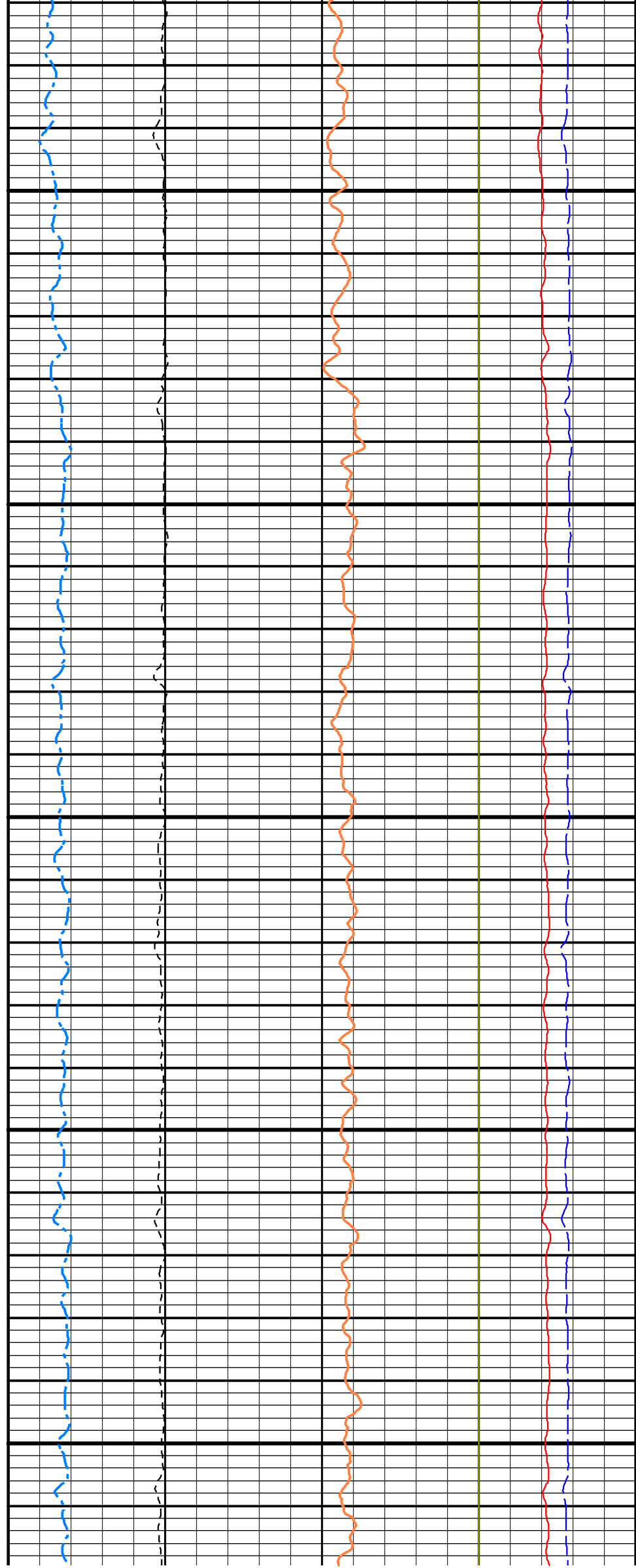
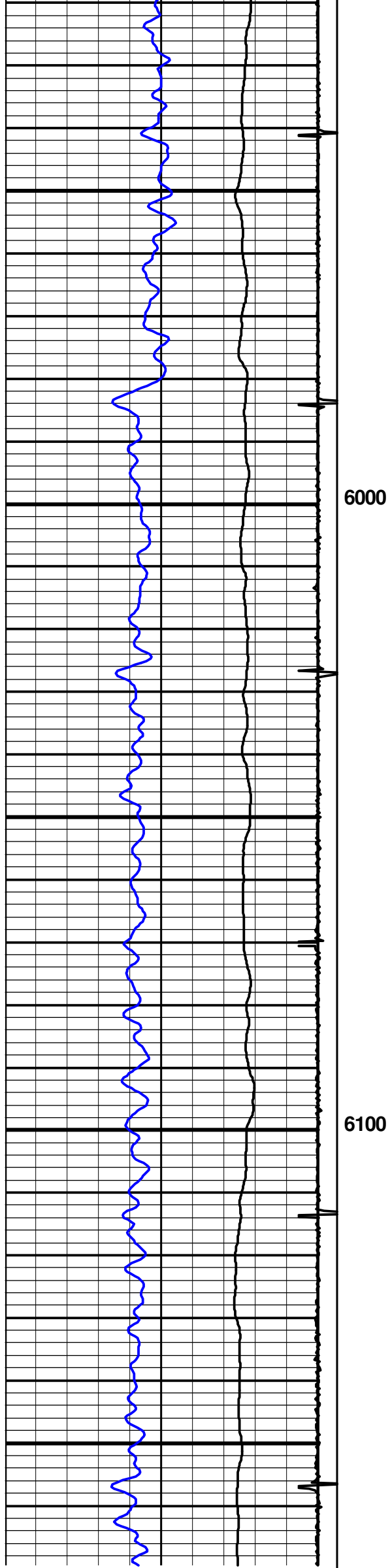


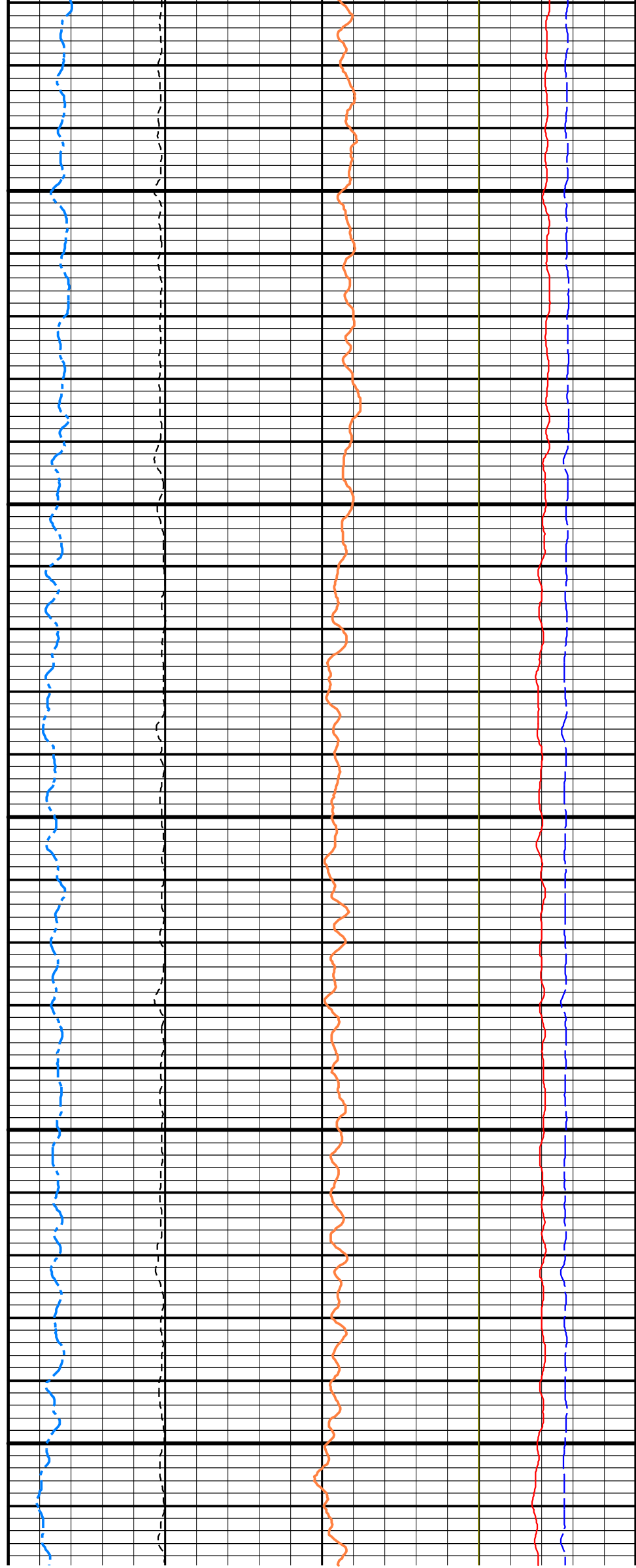
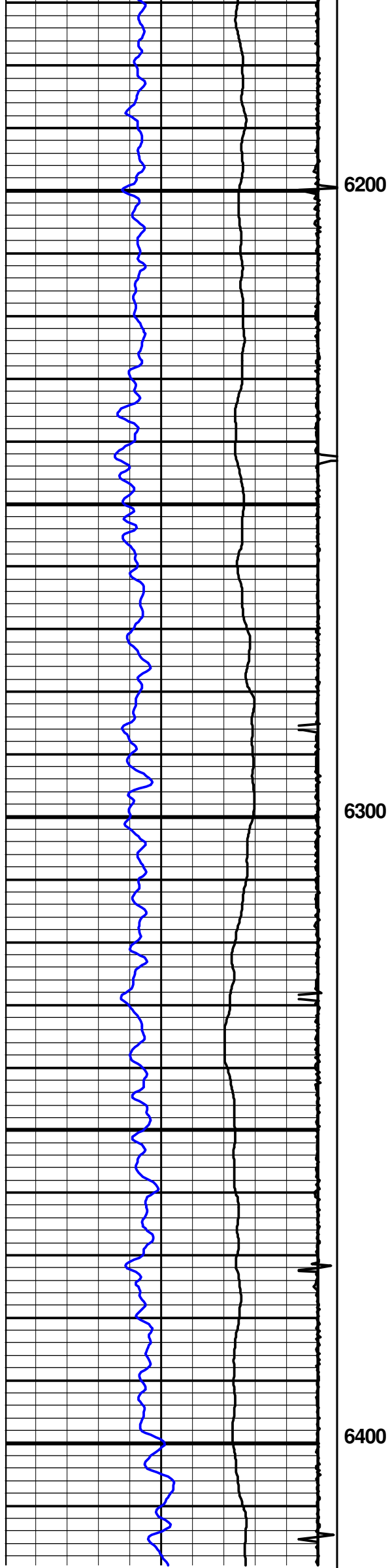


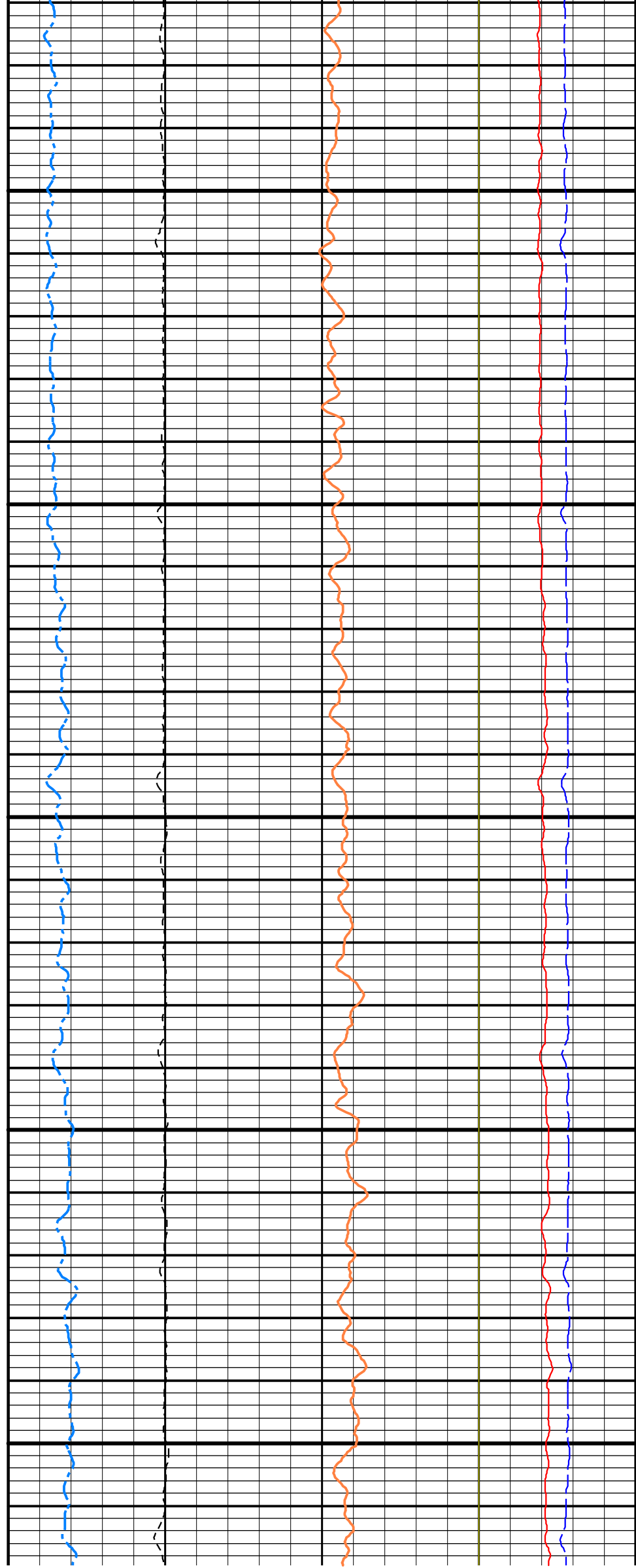
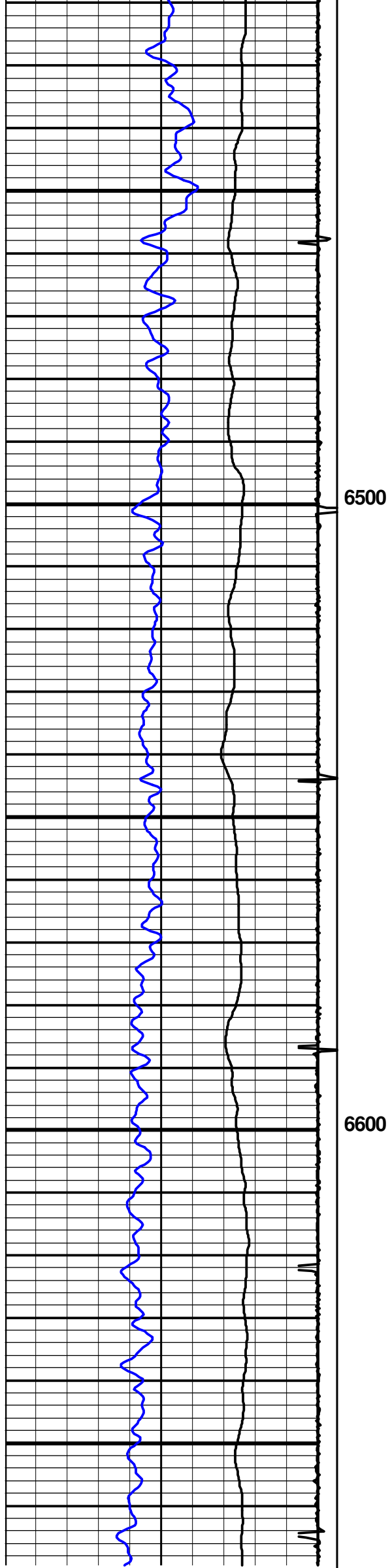


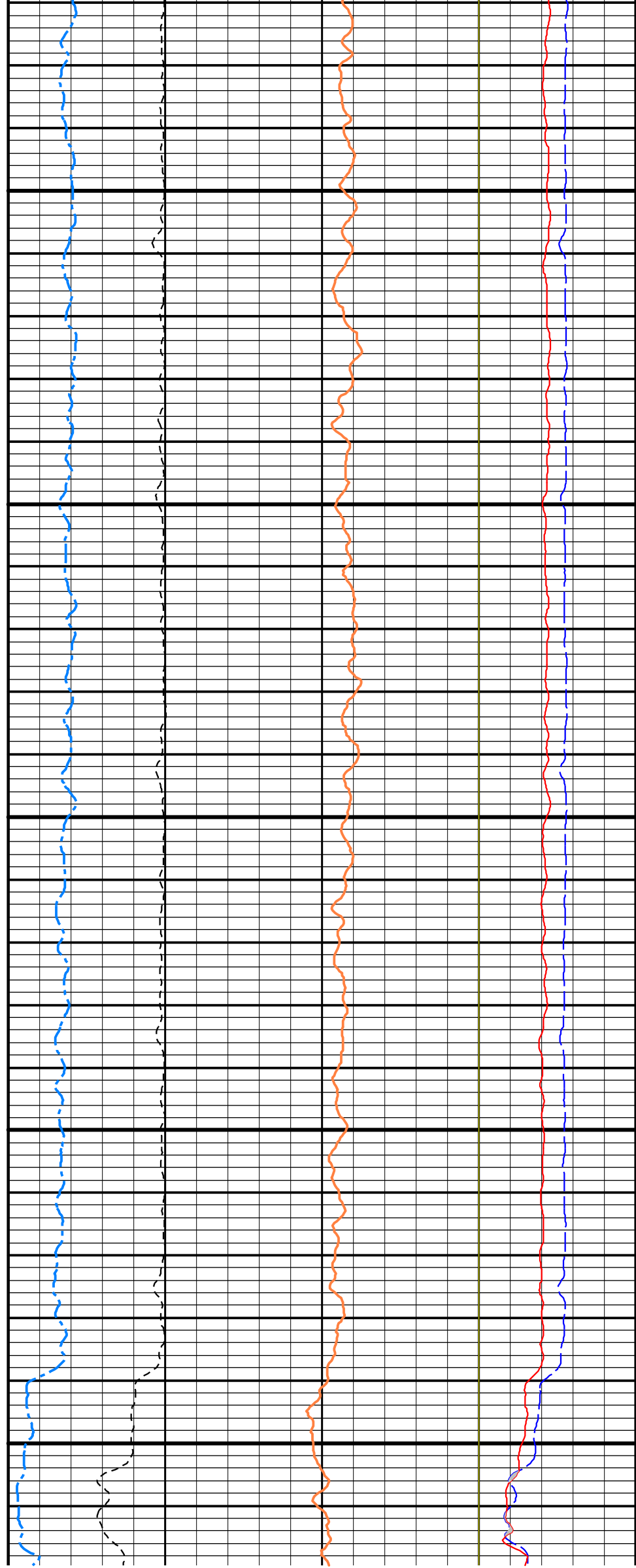
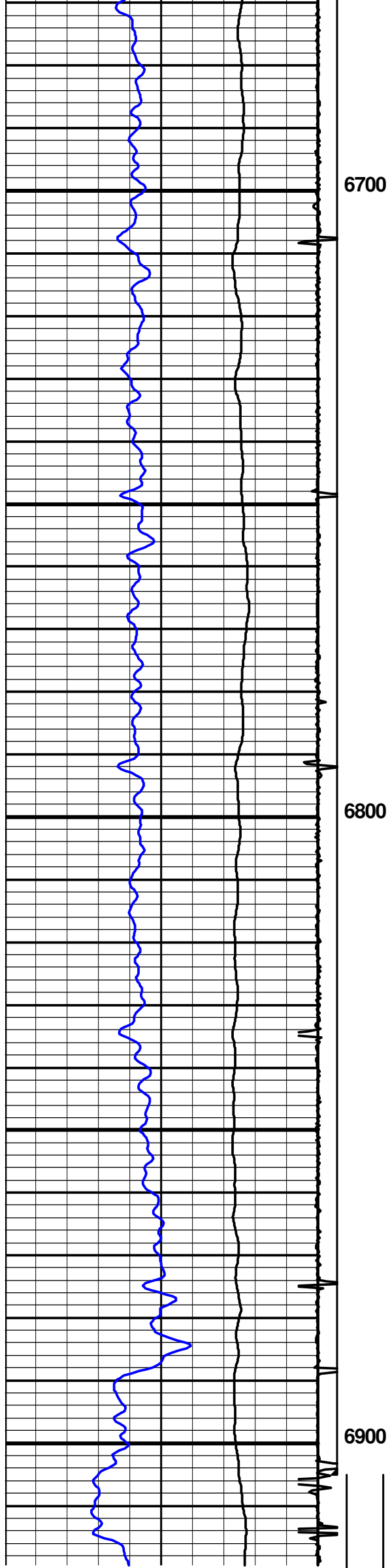


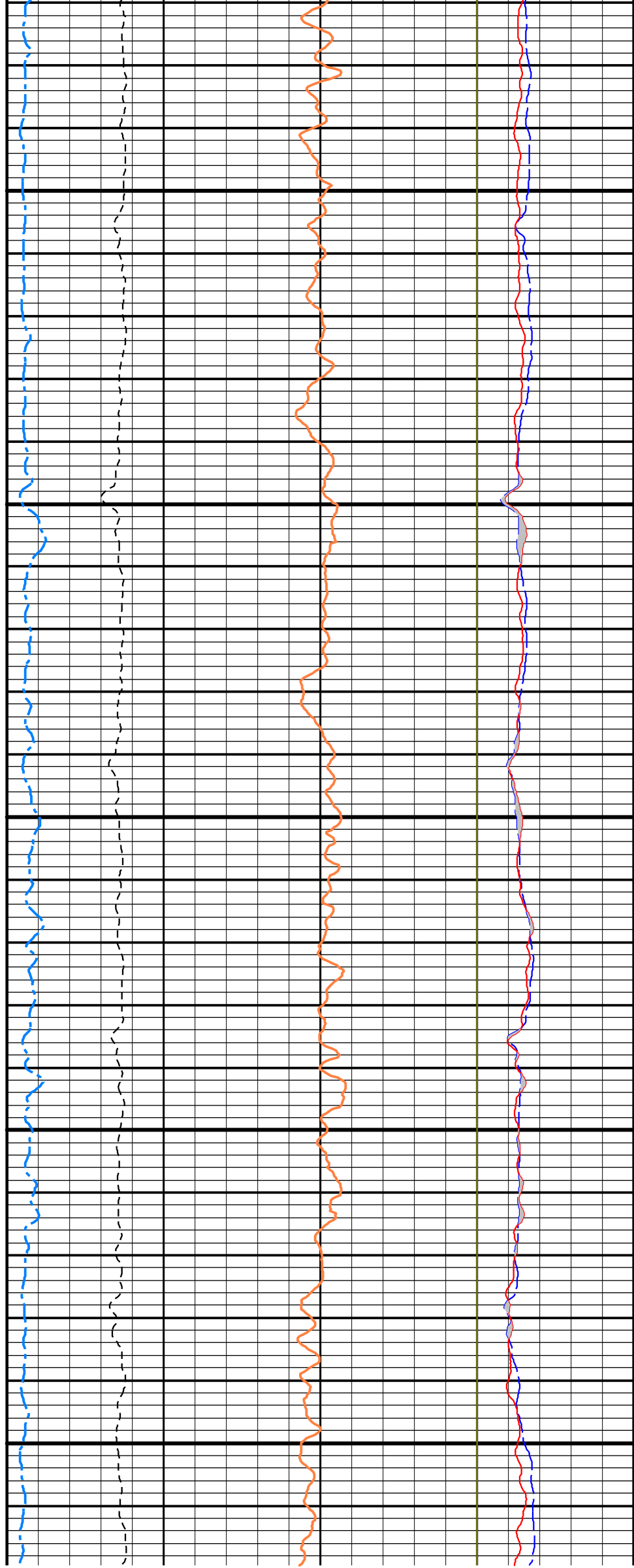
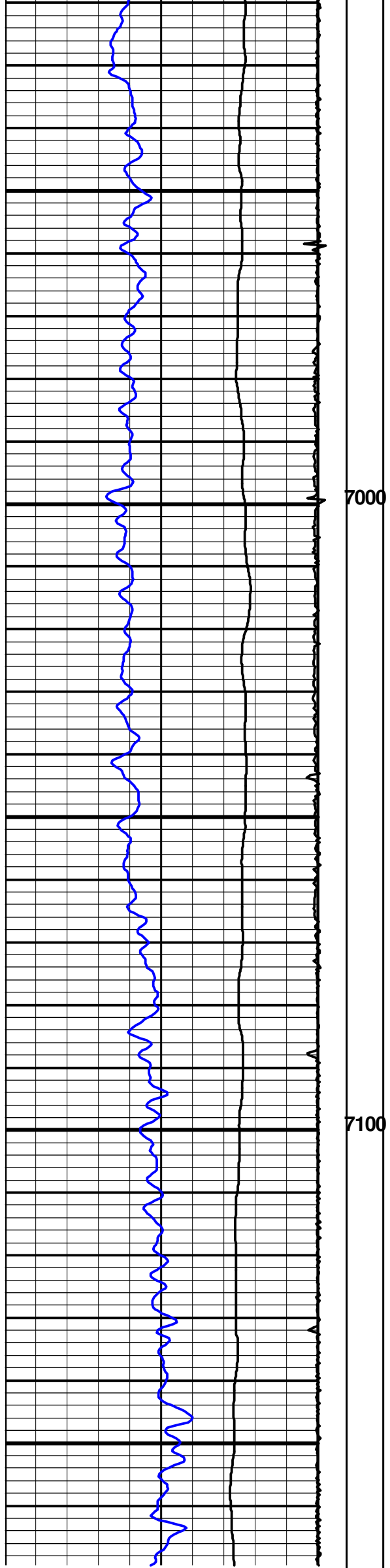


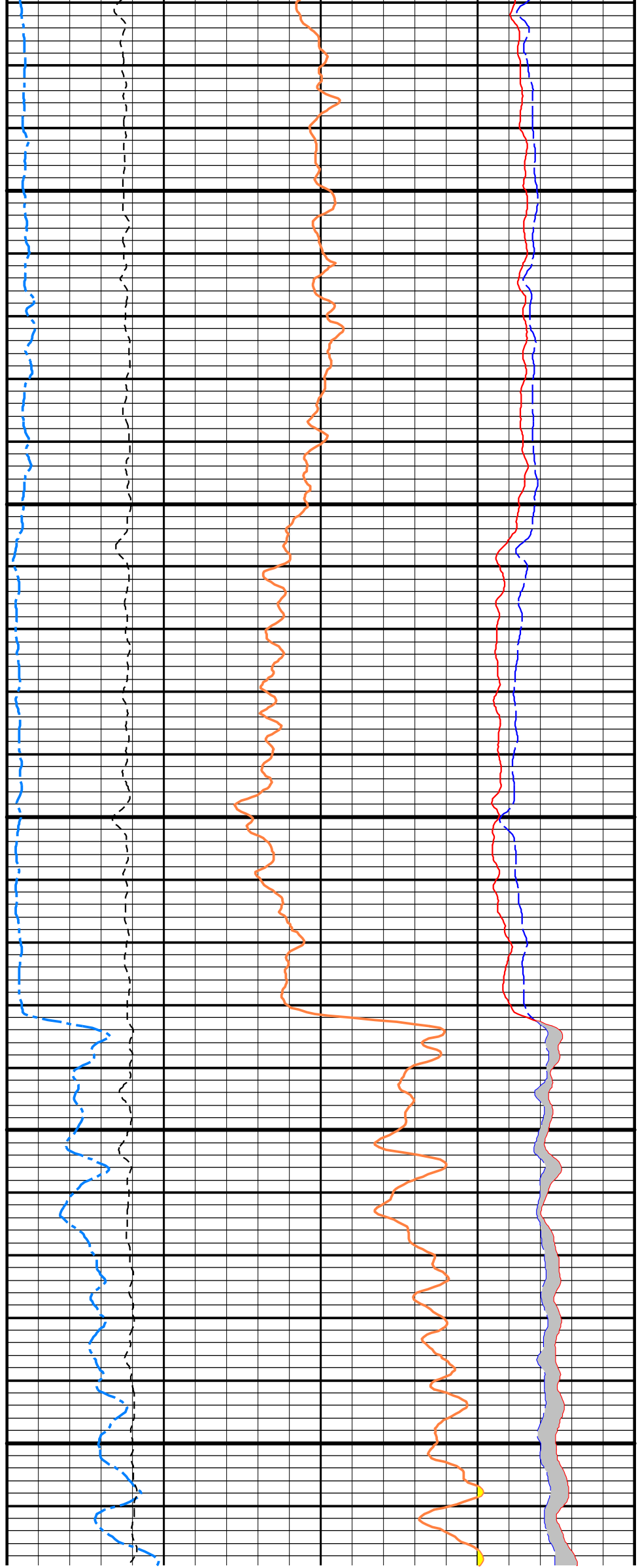
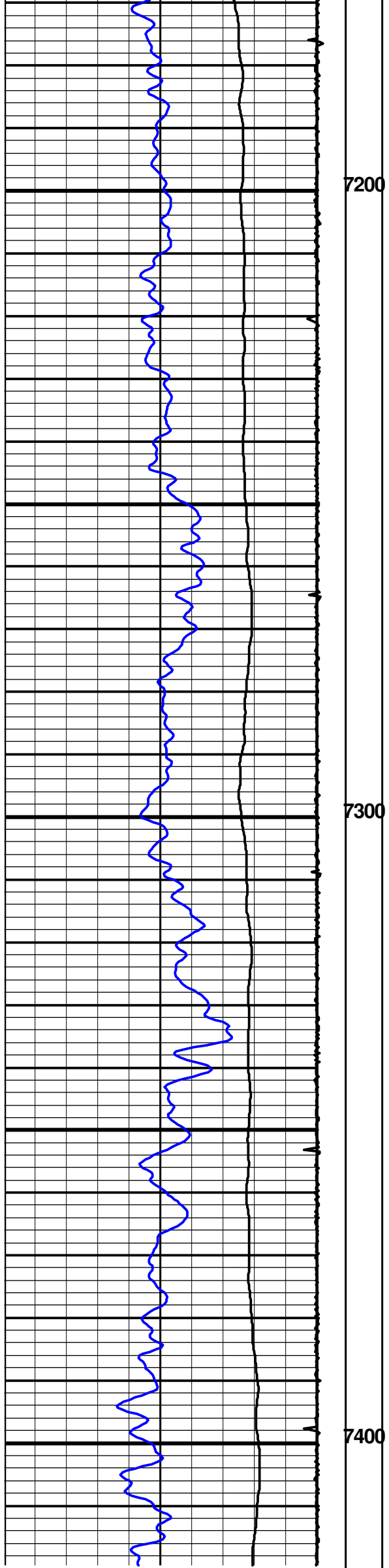


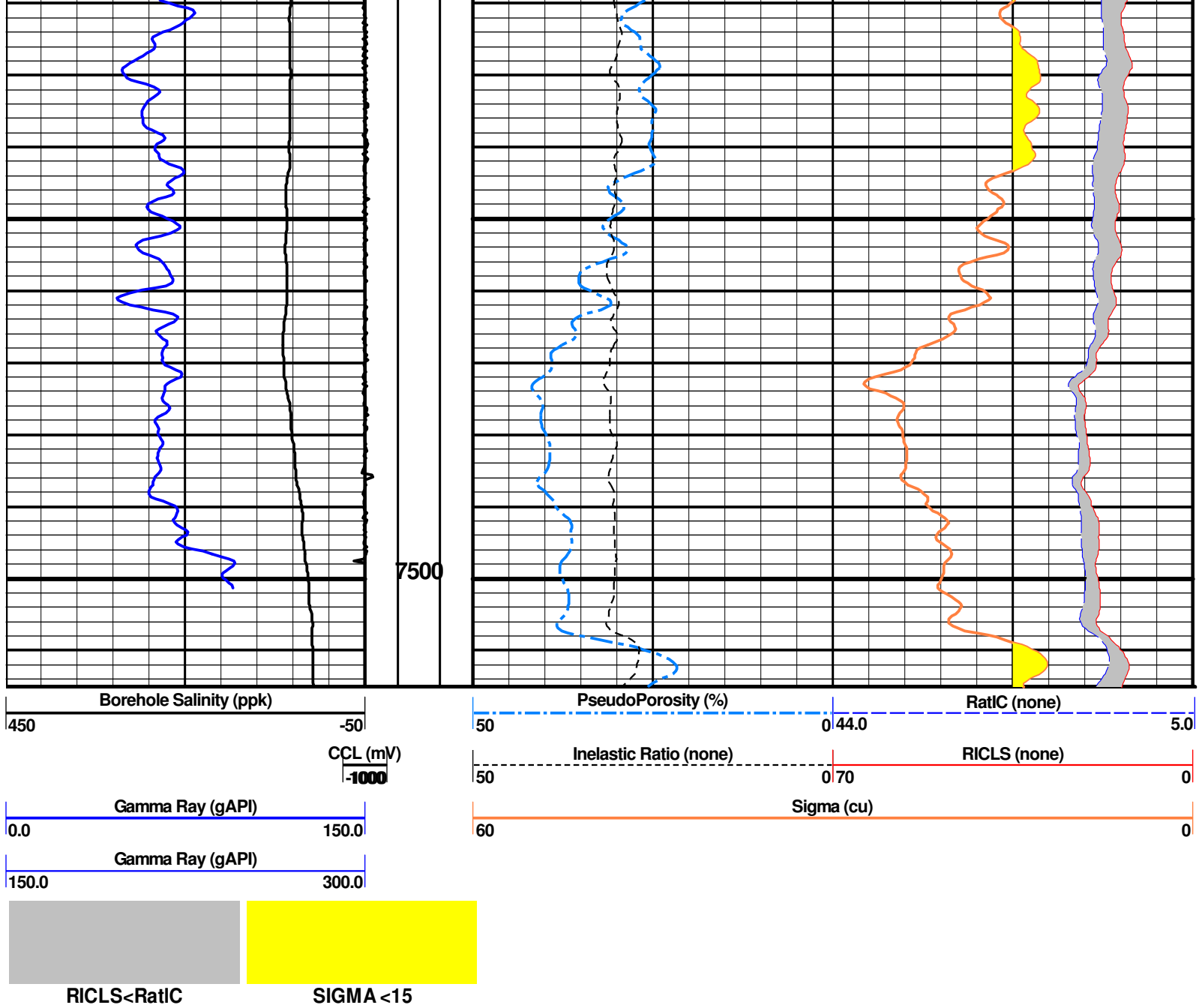










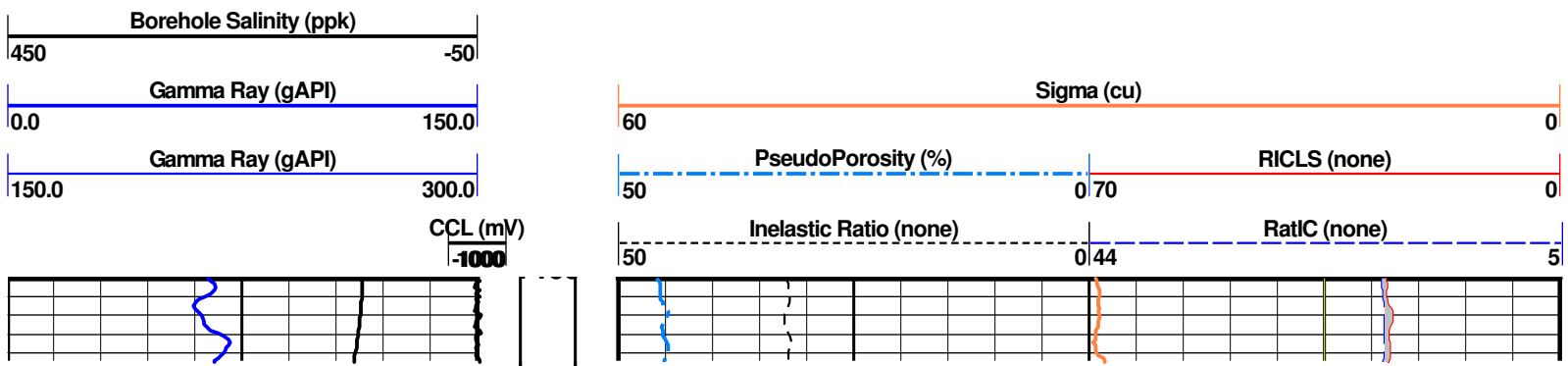


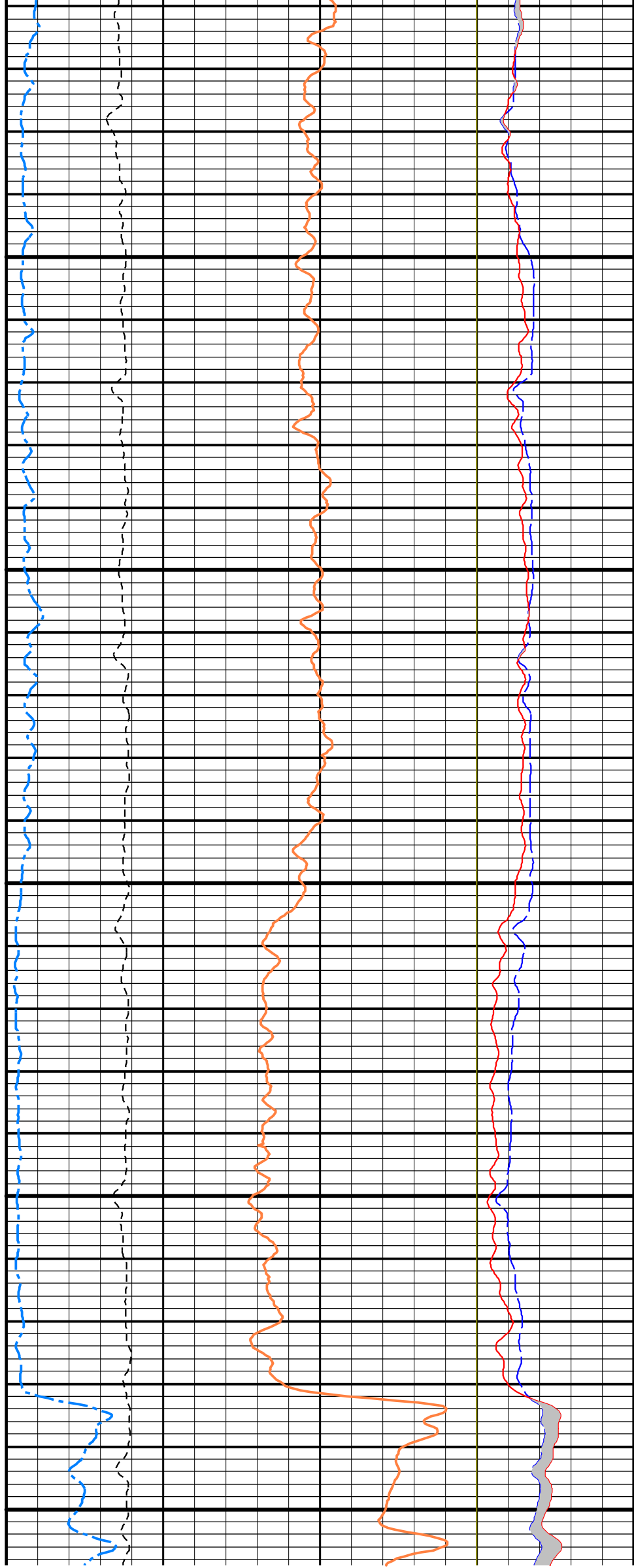
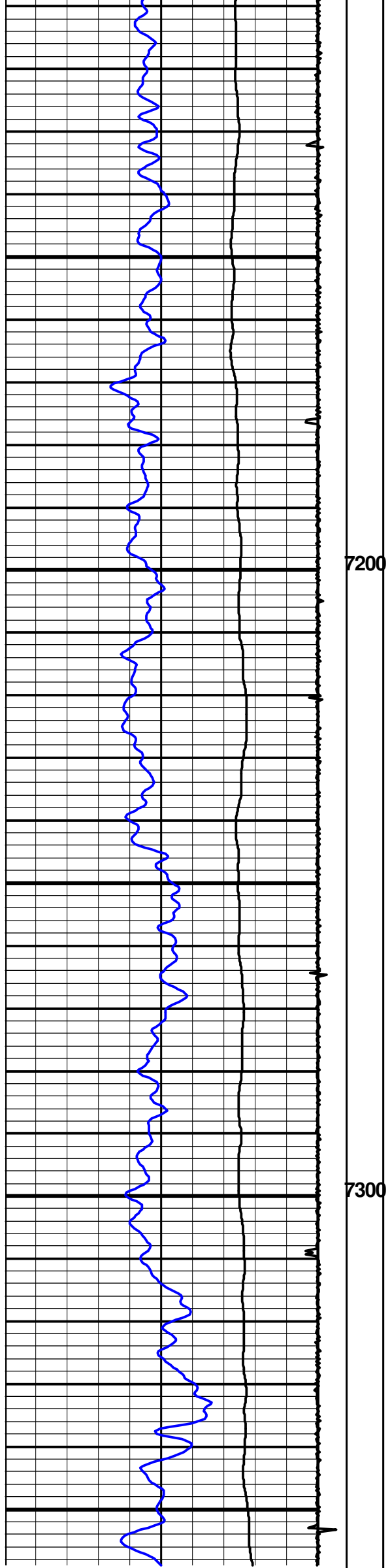
Main Pass
5" = 100'

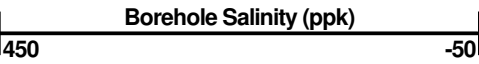
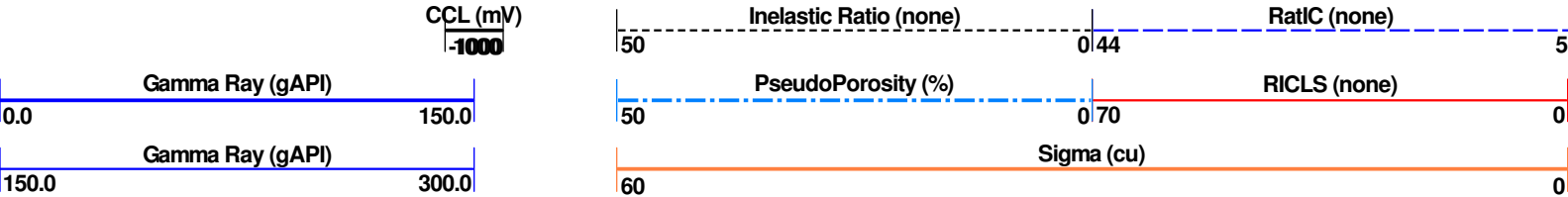
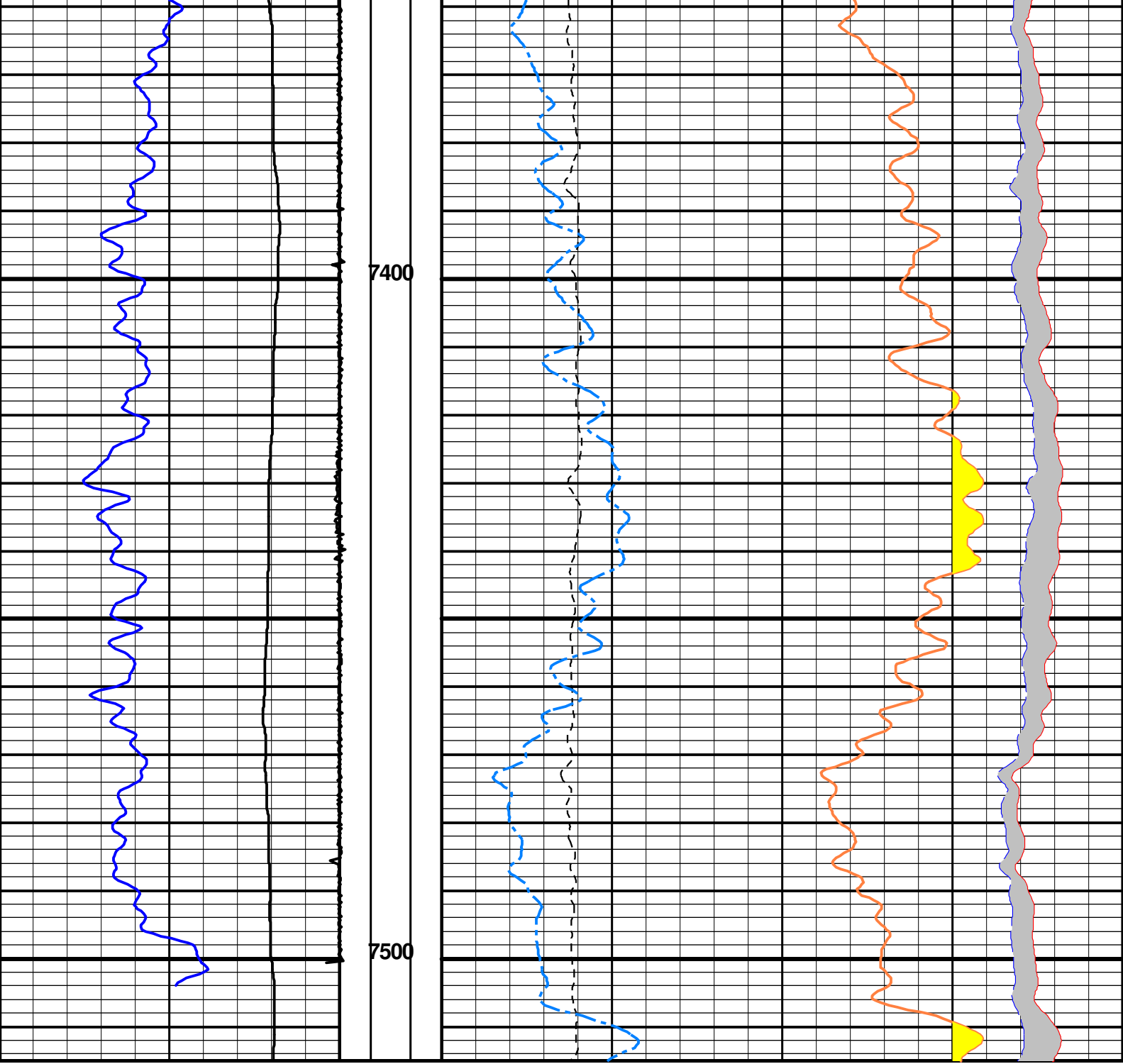
Repeat Pass
5" = 100'

Company :
Well :
Scale : 1 : 240
Depth in : ft
Software : WinAPlot Ver. 5, 80, 0, 0


Date : 08.08.2014
Time : 10:23:02
Remarks :
File Name : Repeat







Repeat Pass
5" = 100'

	API #:05-123-39330 COMPANY:Kerr-McGee Oil and Gas Onshore LP WELL:Dugite 13C-35HZ FIELD:Wattenberg COUNTY:Weld	DATE : August 9, 2014 STATE: Colorado
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Pulsed Decay Neutron
Gamma Ray / CCL

