



Pulsed Neutron
Gamma Ray
Casing Collar Log

Company TEP Rocky Mountain LLC
 Well Youberg SR 331-12
 Field Rulison
 County Garfield
 State Colorado

Company TEP Rocky Mountain LLC
 Well Youberg SR 331-12
 Field Rulison
 County Garfield State Colorado

Location: API #: 05-045-23296
 SEC 12 TWP 7S RGE 94W
 Permanent Datum Ground Level Elevation 7254'
 Log Measured From Kelly Bushing 24 FT
 Drilling Measured From Kelly Bushing
 Other Services RBL
 Elevation K.B. 7278'
 D.F. 7277'
 G.L. 7254'

Date	06-JUL-2017	
Run Number	One	
Depth Driller	9403 FT	
Depth Logger	9309 FT	
Bottom Logged Interval	9309 FT	
Top Log Interval	3985 FT	
Open Hole Size	8.75"	
Type Fluid	Fresh Water	
Density / Viscosity	8.34 lb/gal	
Max. Recorded Temp.	---	
Estimated Cement Top	---	
Time Well Ready	---	
Time Logger on Bottom	---	
Equipment Number	---	
Location	Grand Junction	
Recorded By	Michael Kochevar	
Witnessed By	---	

	Borehole Record			Tubing Record			
	Bit	From	To	Size (in)	Weight (lb/ft)	From	To
Casing Record							
Surface Casing		9 5/8	32.3	H-40	Surface	1100 FT	
Intermediate #1		4 1/2	11.6	P-110	Surface	9403 FT	
Intermediate #2							
Liner							

<<< Fold Here >>>

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

Log ran as per customer request
 Depth referenced to Reliance on Log dated 05-JUL-2017
 Log ran from 9309 FT to 3985 FT

 Thank you for choosing Reliance Oilfield Services, LLC!!



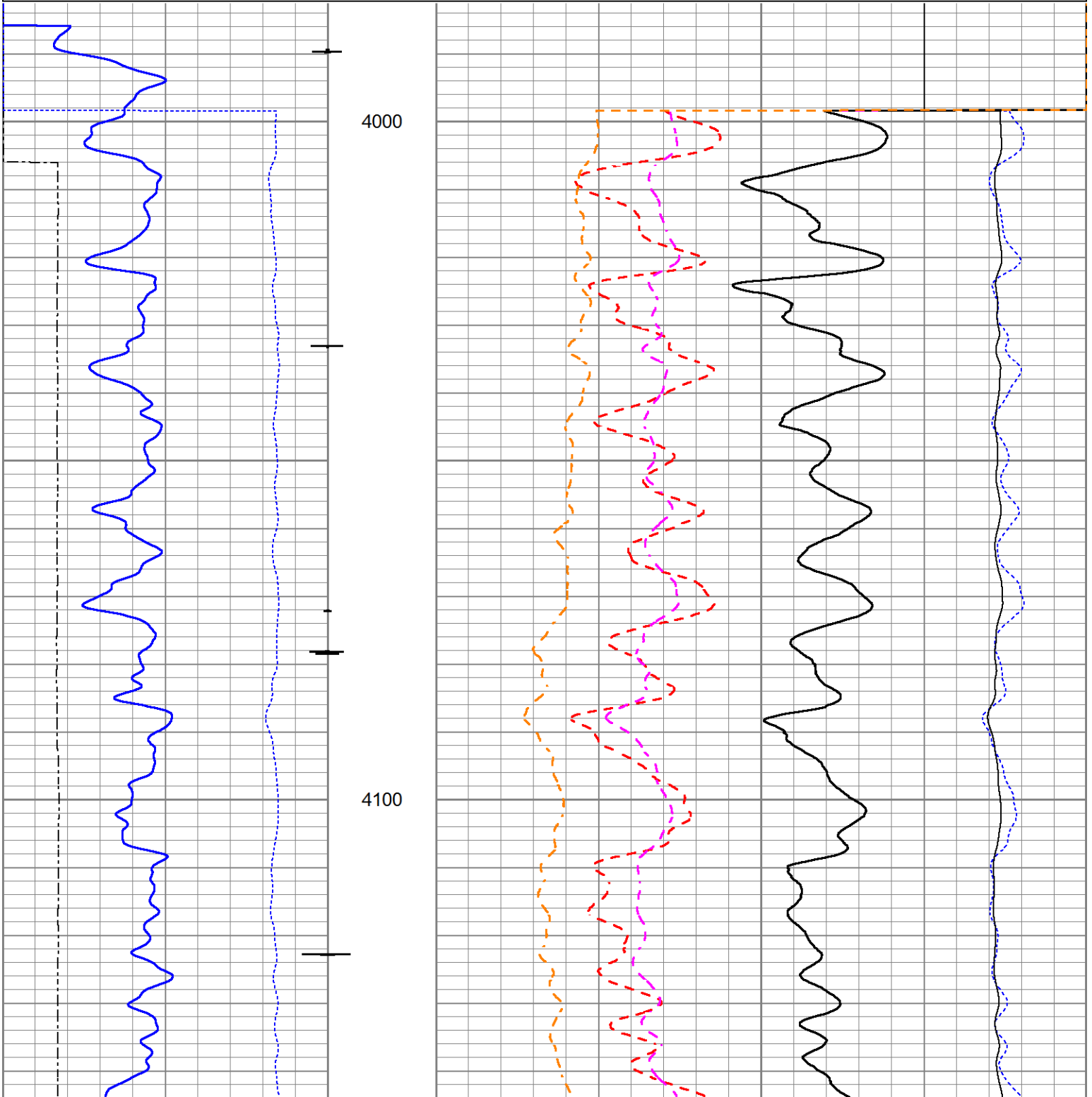
Main Pass

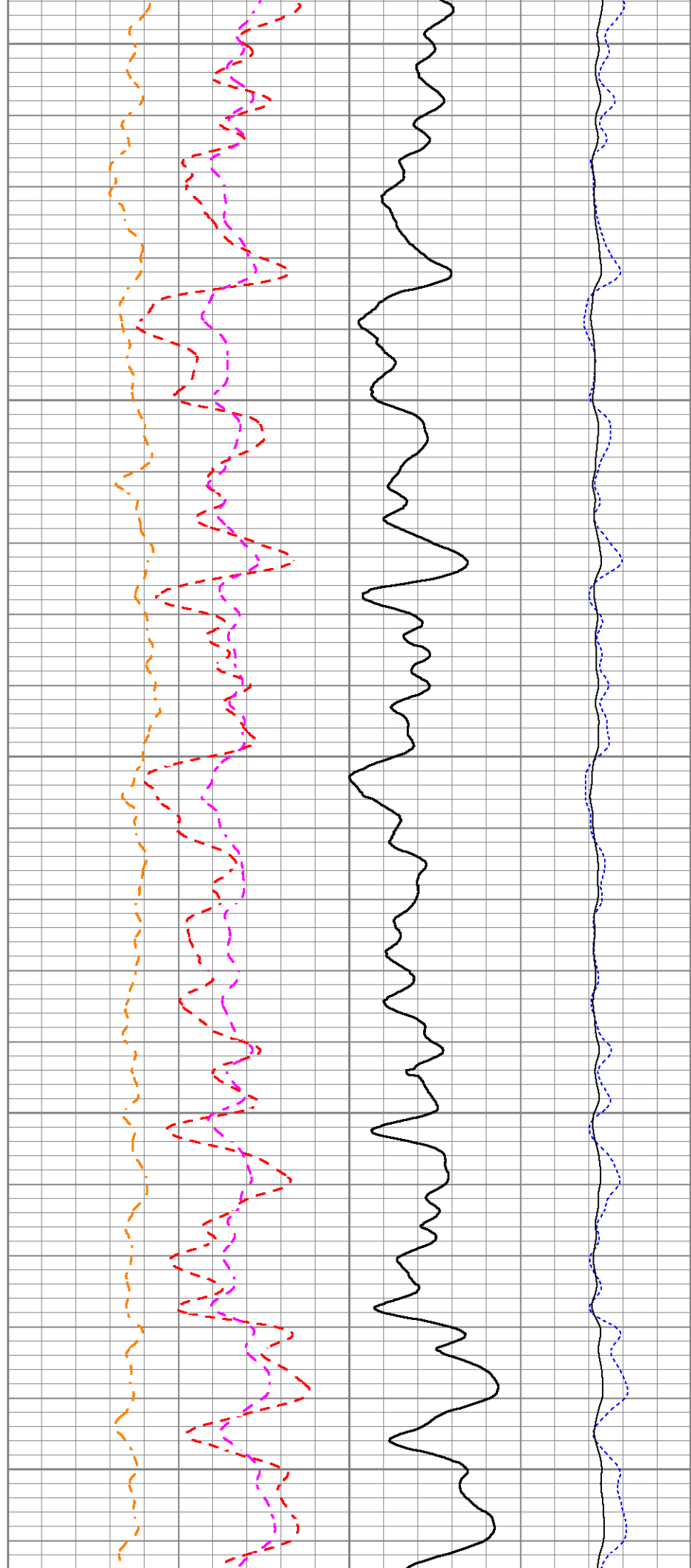
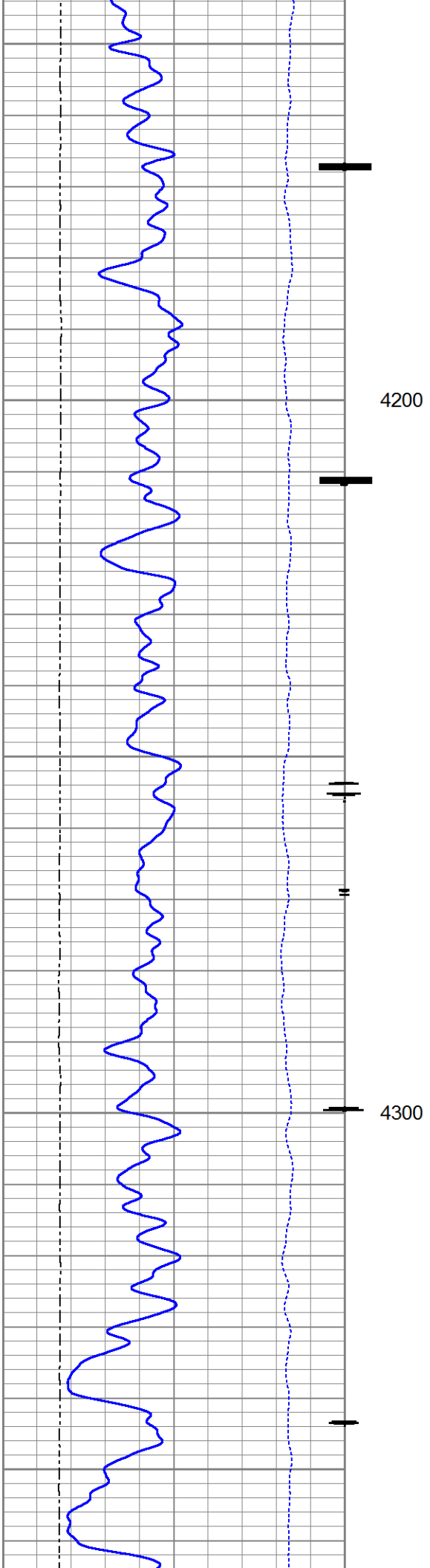
Database File tep_youberg sr 331-12\tep_youberg sr 331-12_pdn_07-06-17.db
 Dataset Pathname pdn_shifted
 Presentation Format ros_pdn
 Dataset Creation Sun Jul 09 15:56:17 2017
 Charted by Depth in Feet scaled 1:240

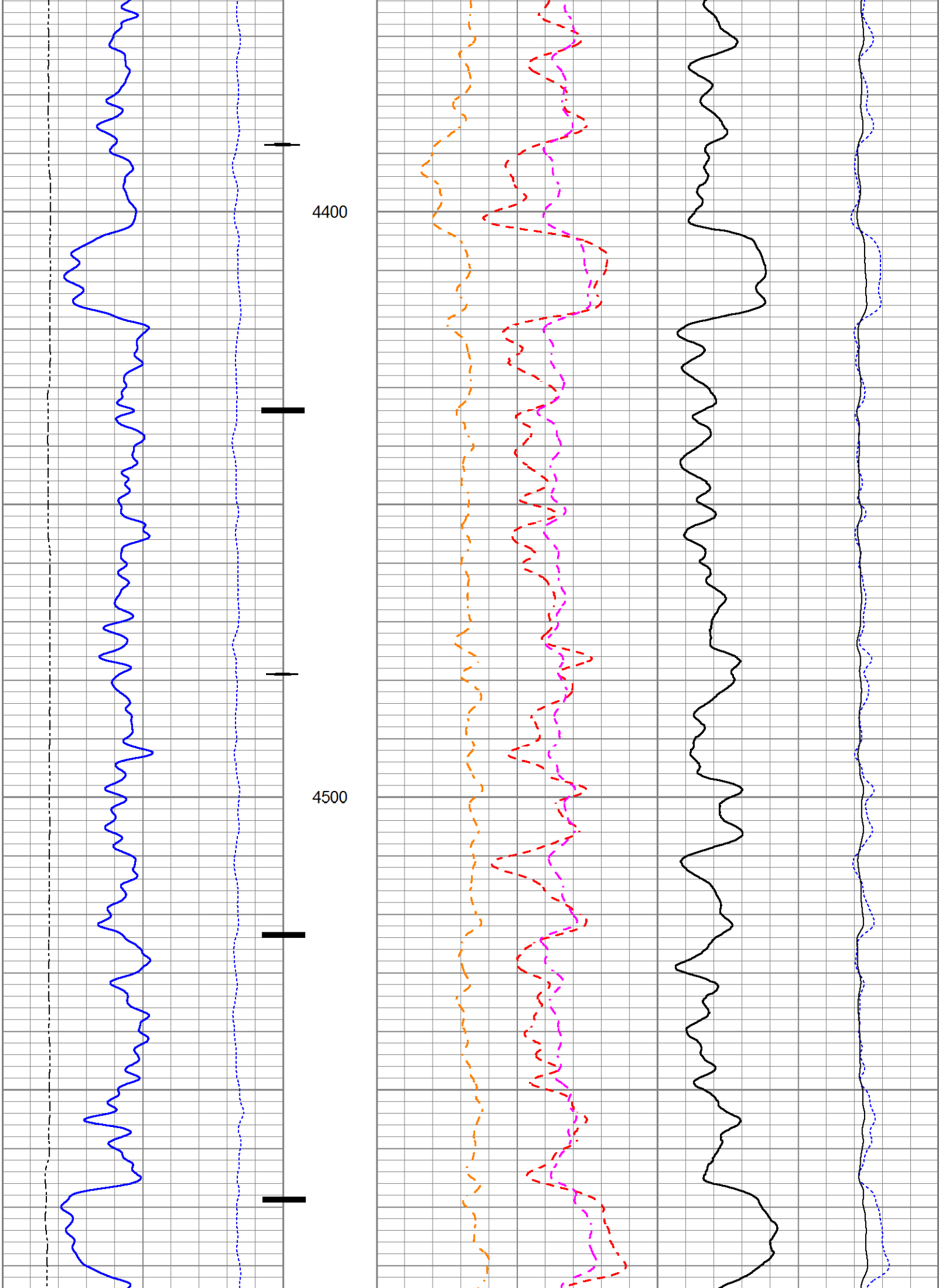
0	Gamma Ray (GAPI)	150
Casing Collar Locator		
0	Line Speed (ft/min)	100
0	SSIN (cps)	500000

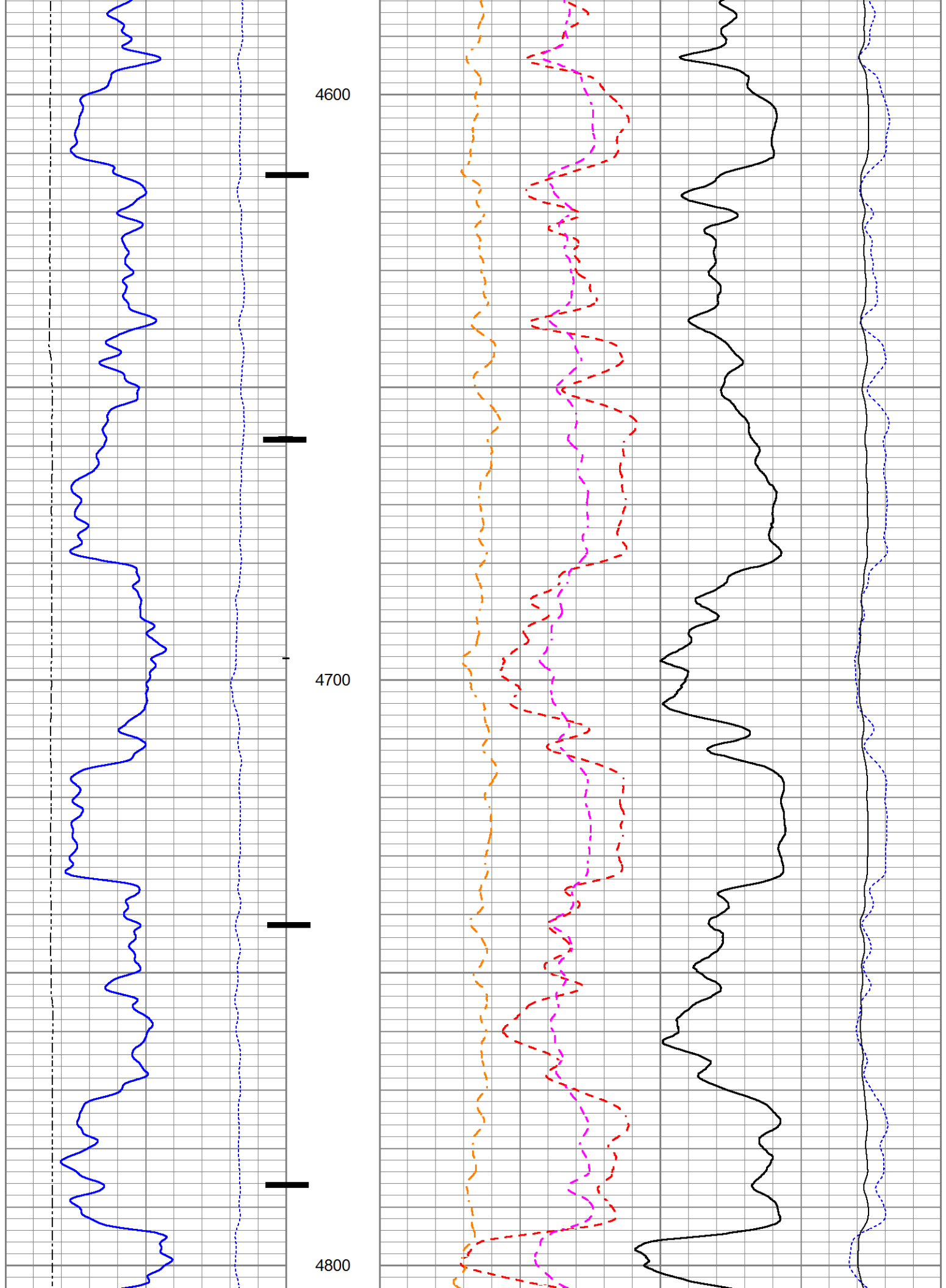
10	RATIO	0
60	SIGMA (cu)	0
0.35	RATIC	0
11	RATIN	0

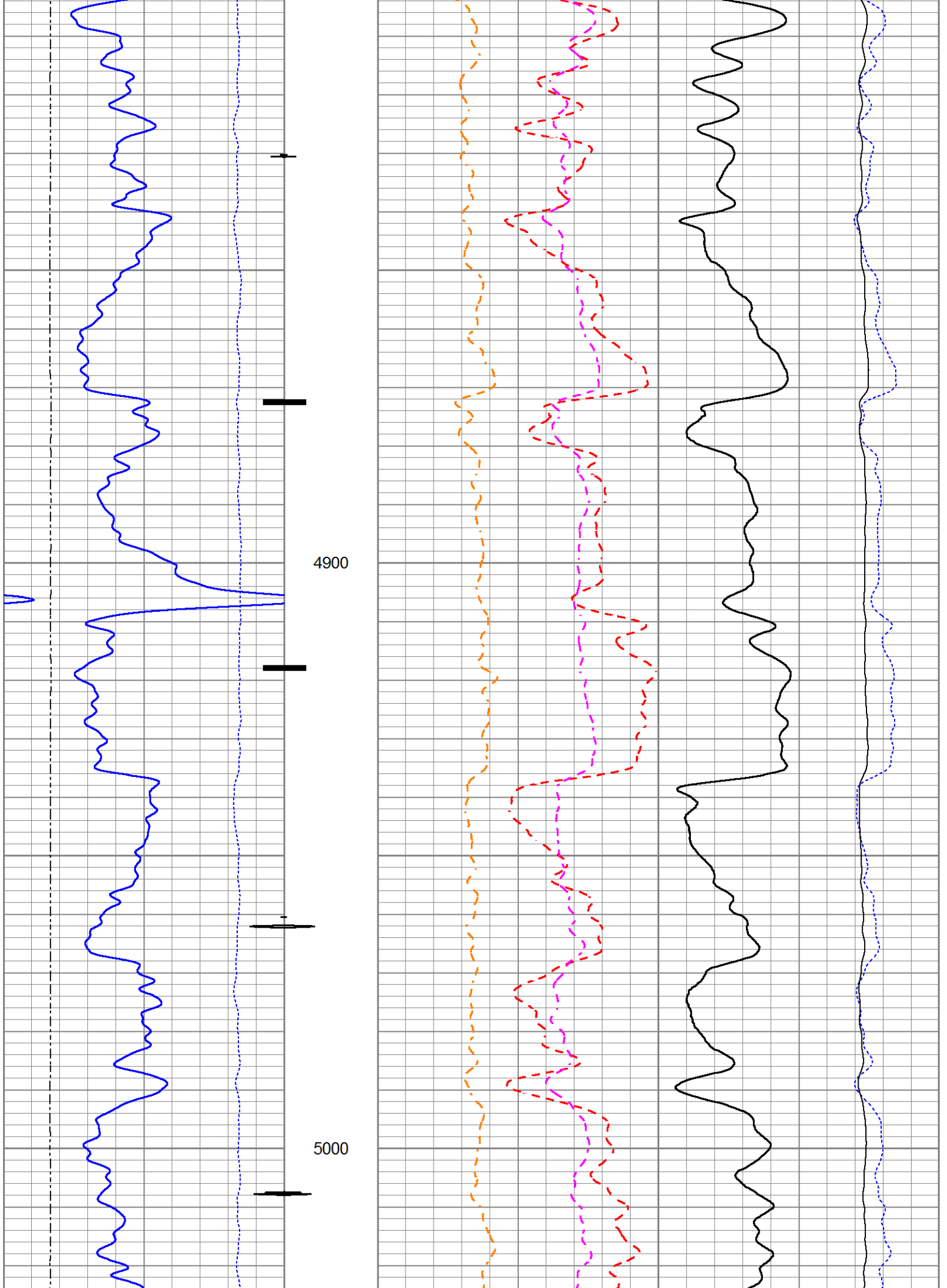
LS
0 (cps 550000)
SS
0 (cps 4e+006)

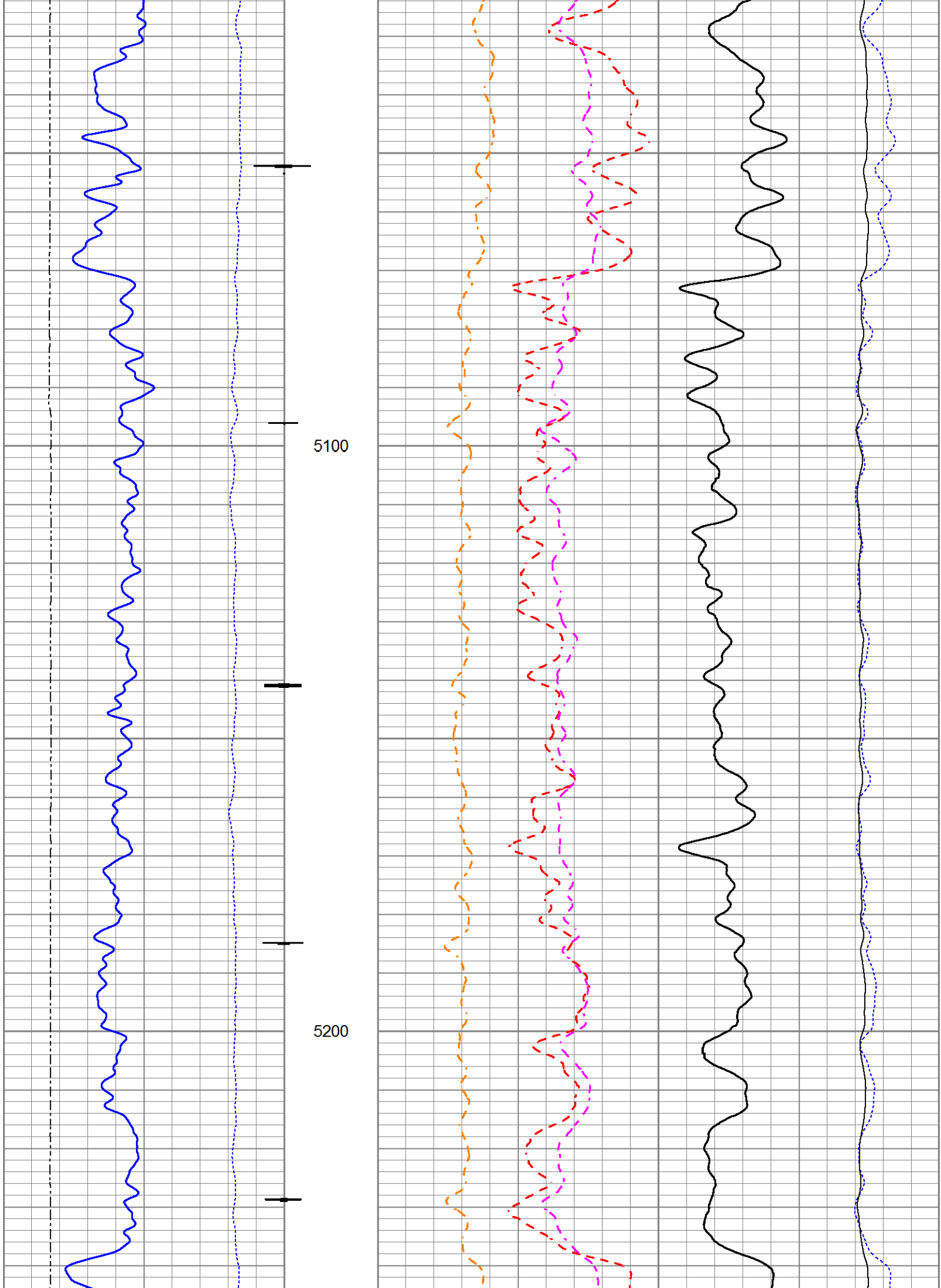


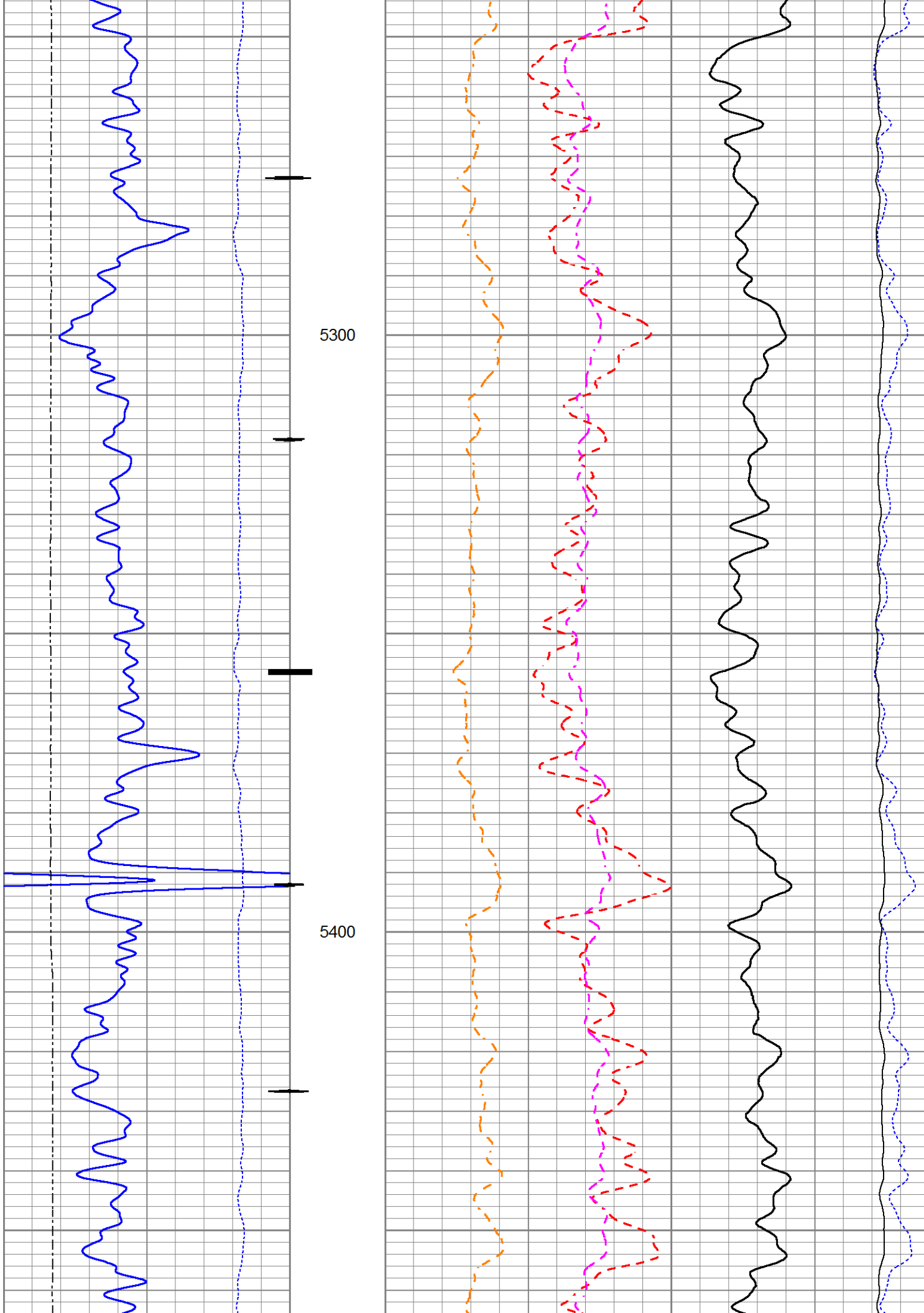


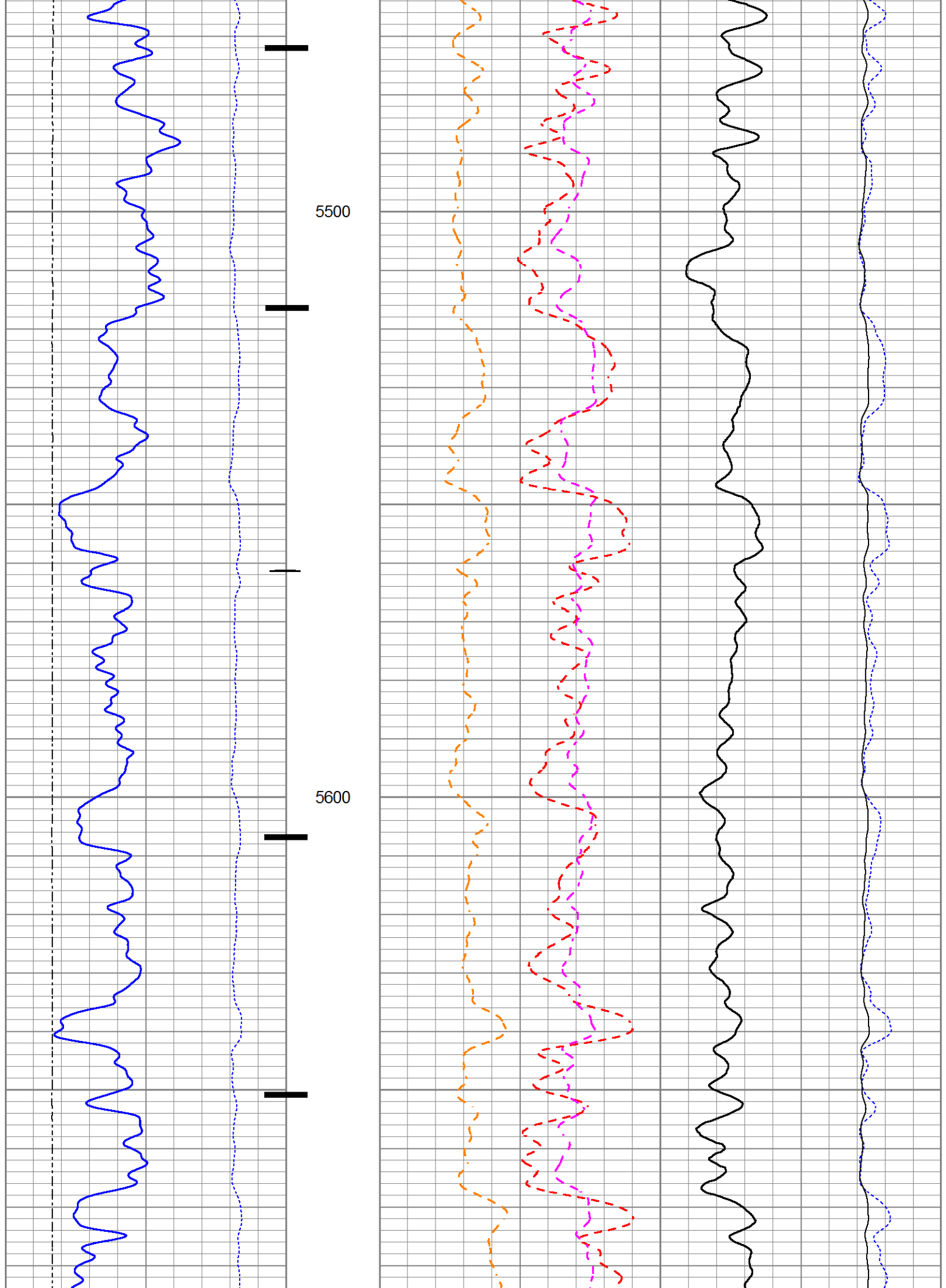


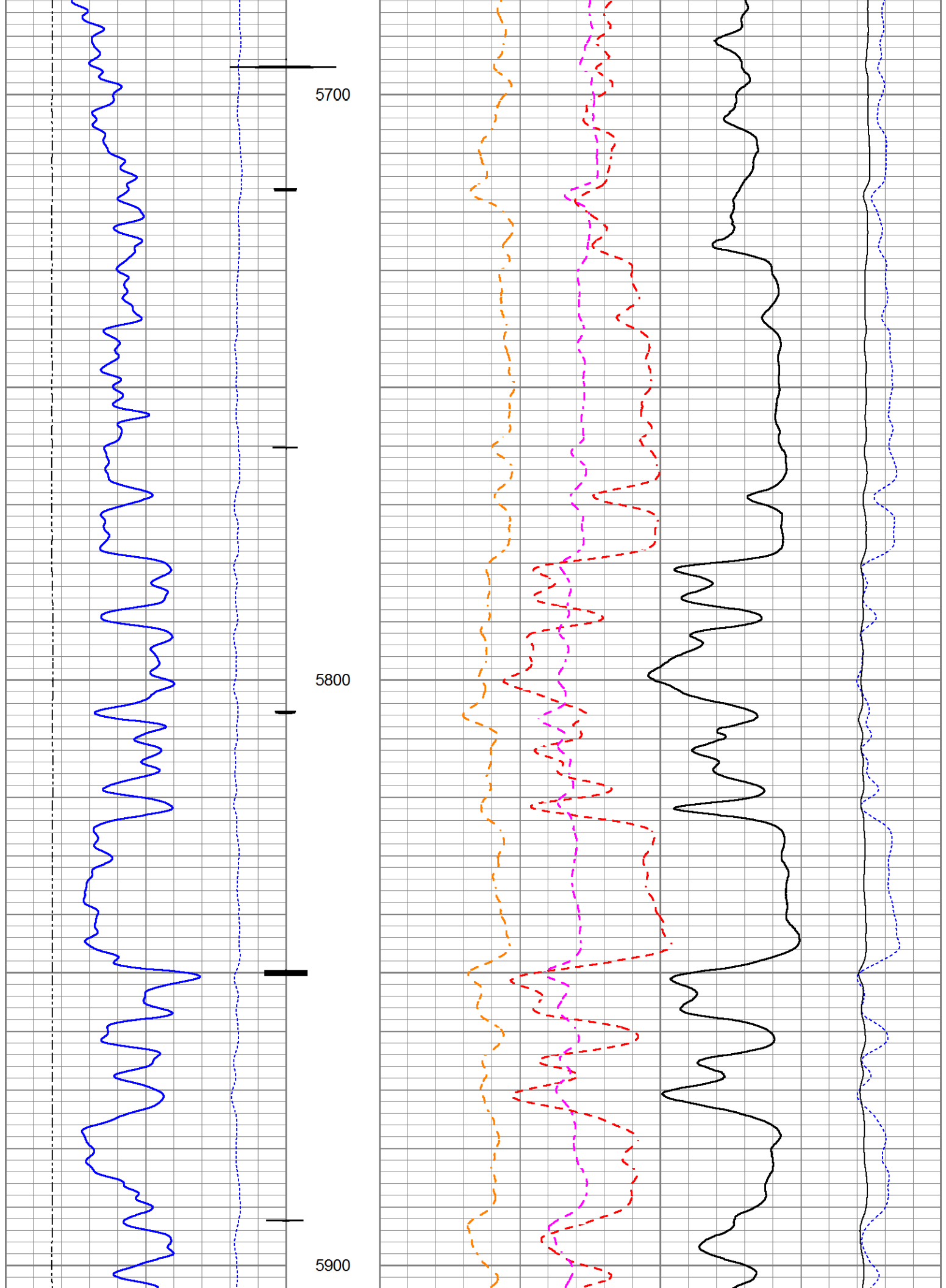


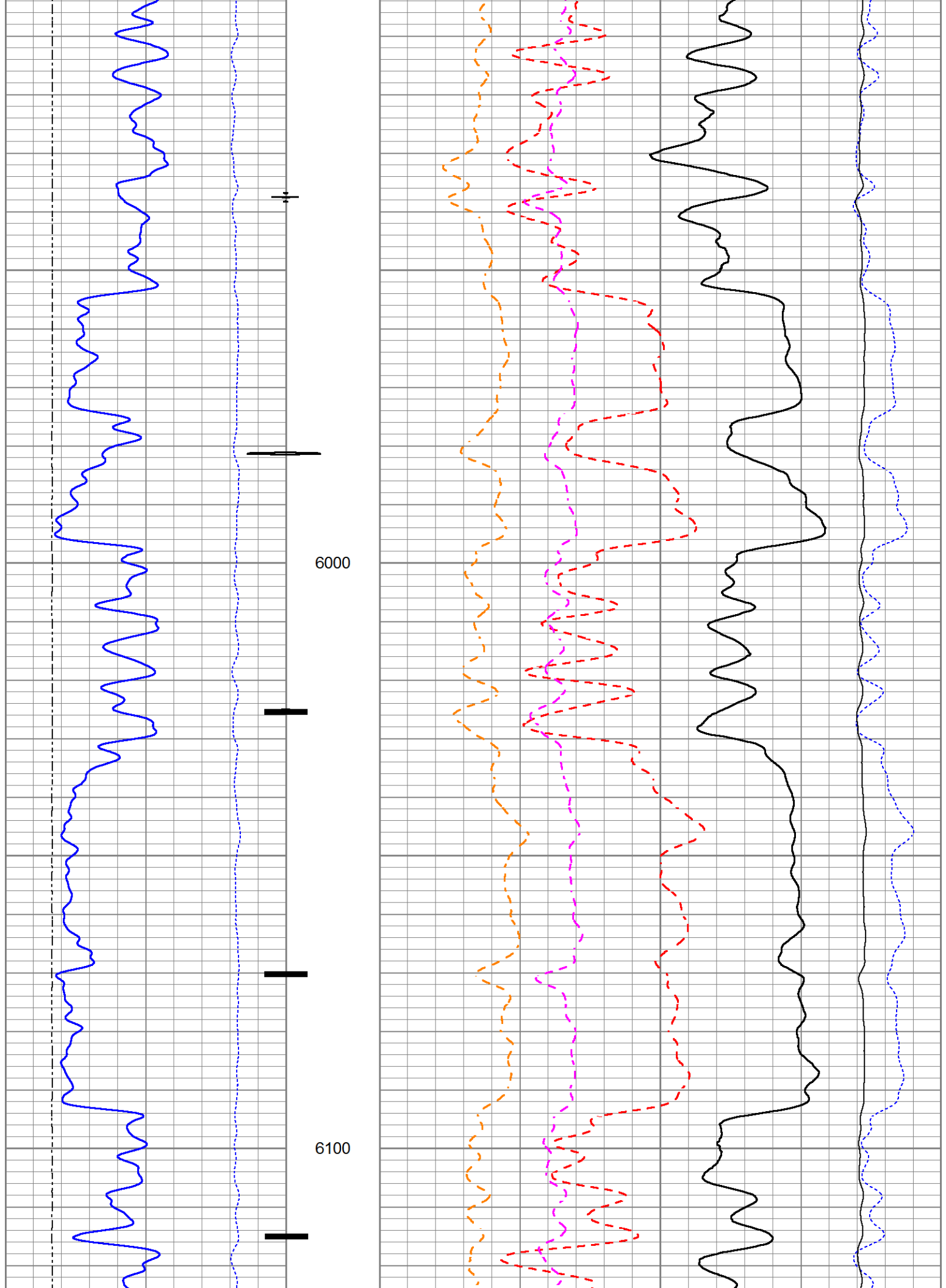


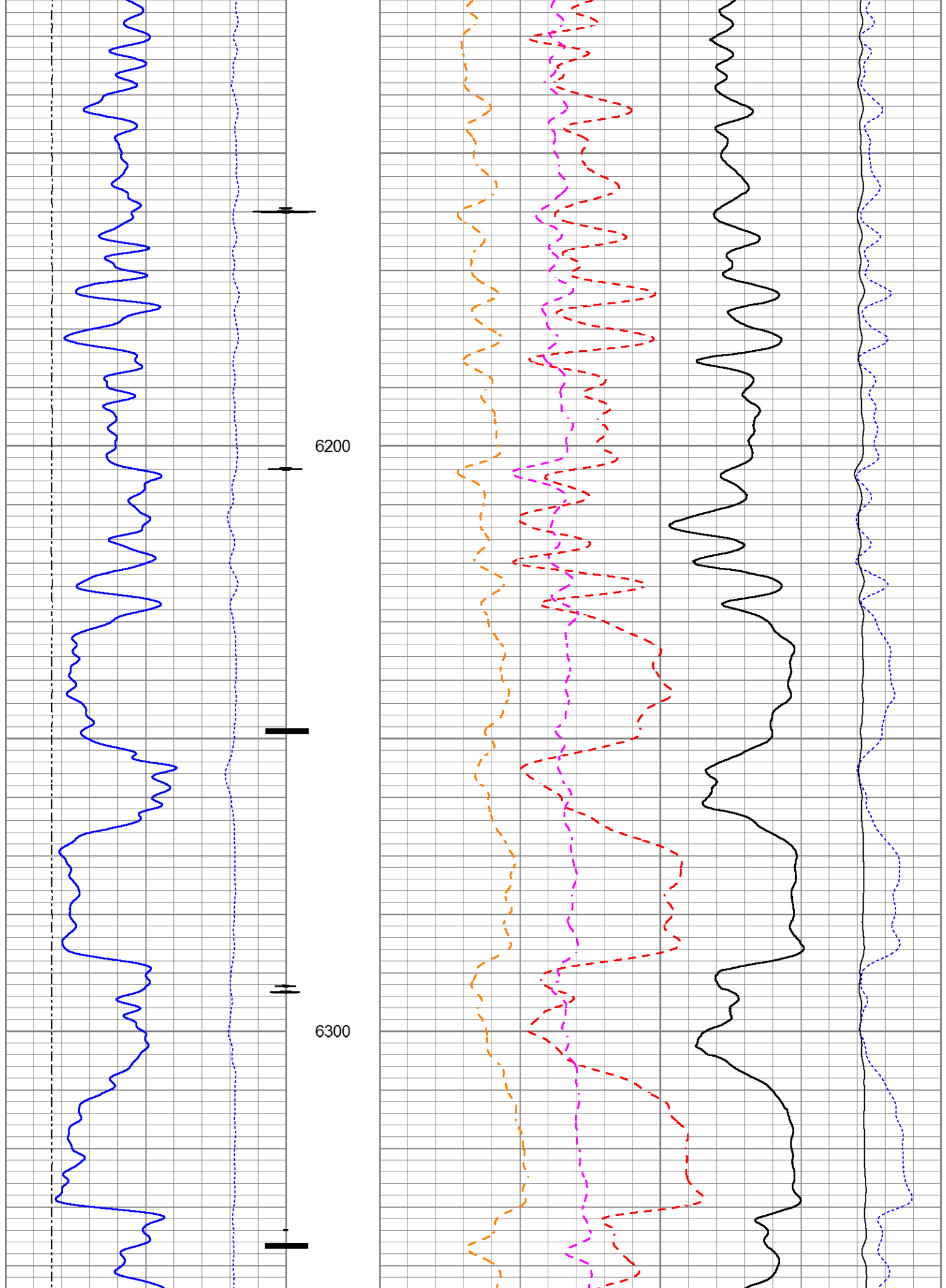


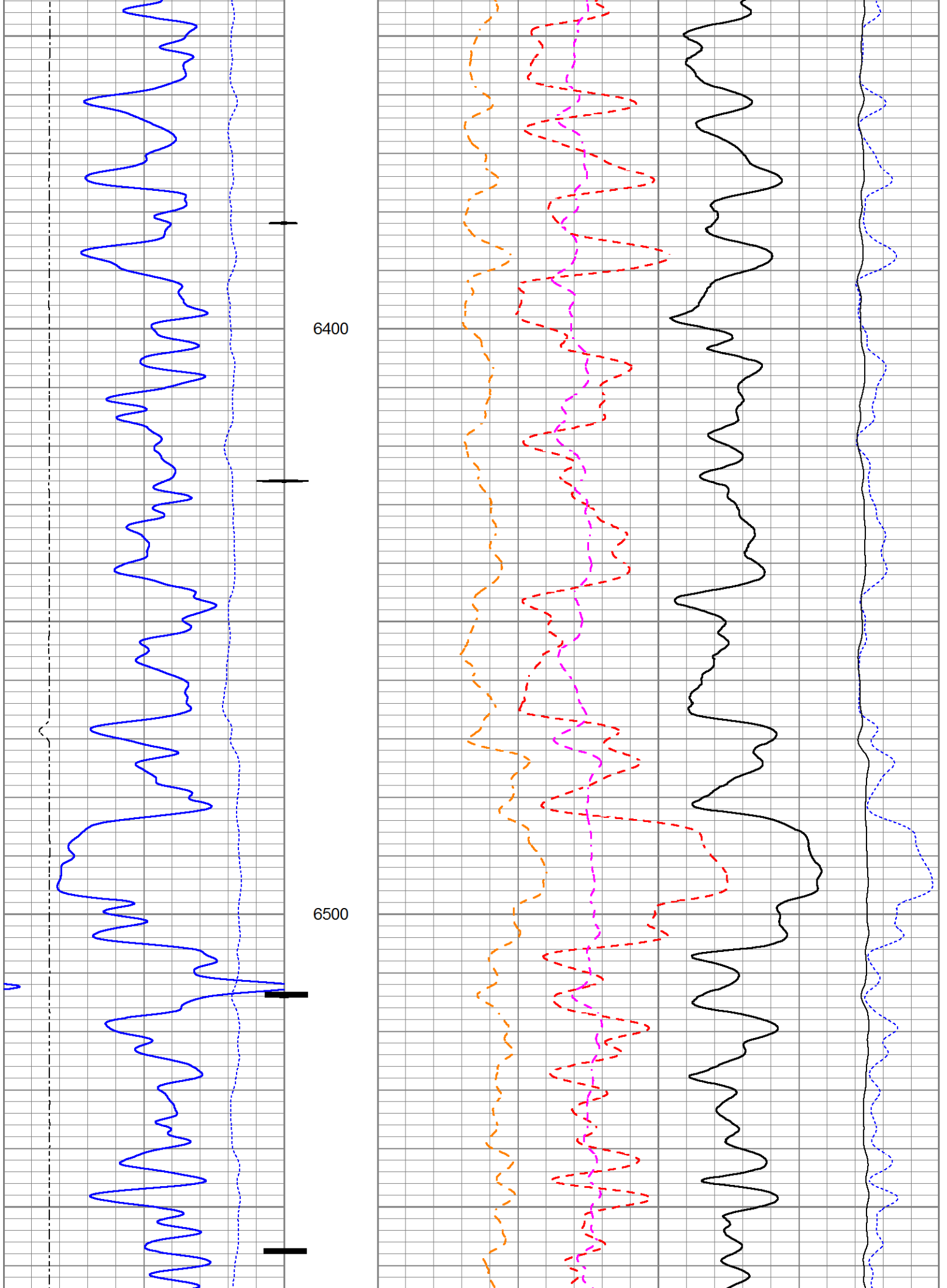


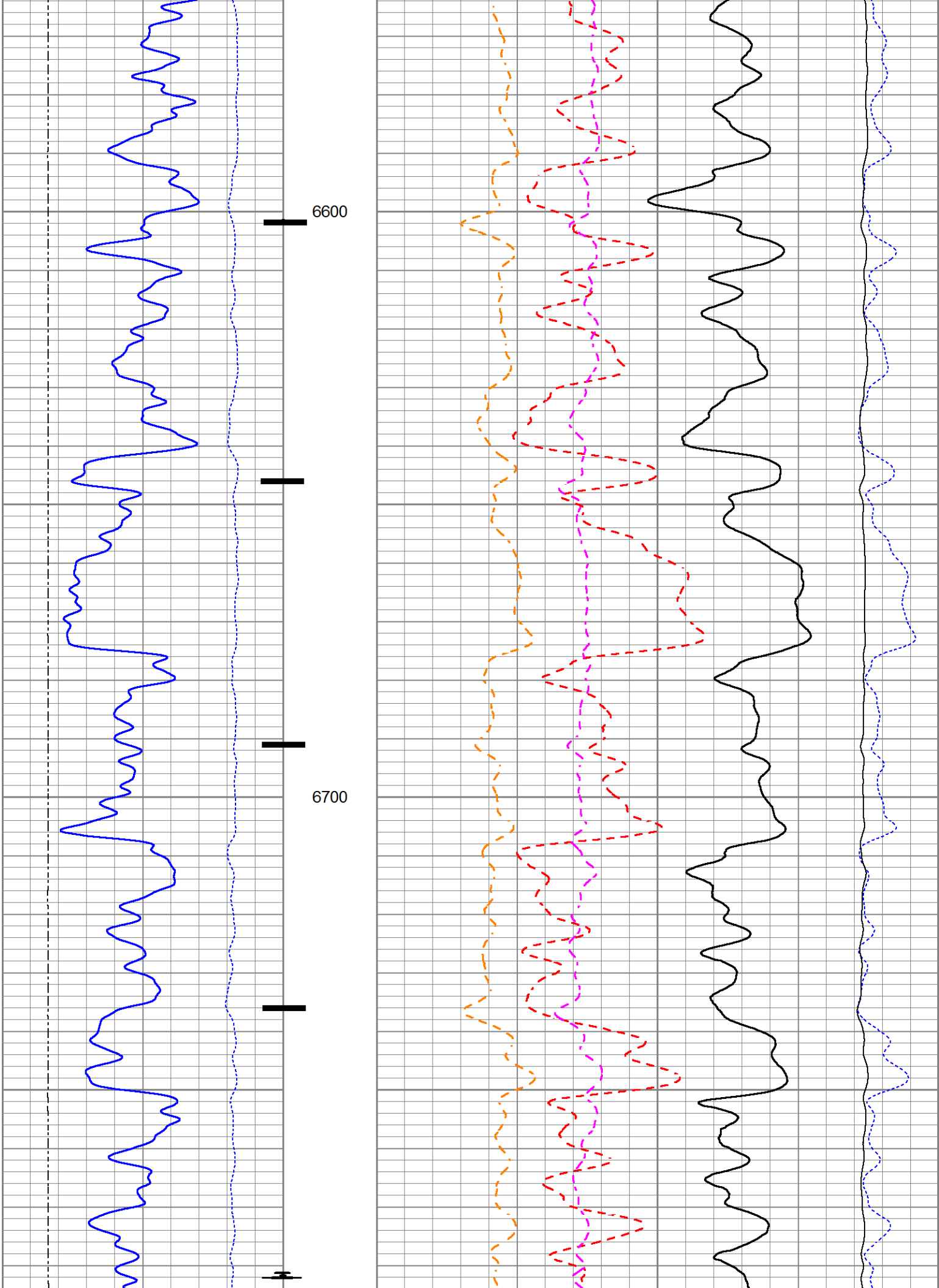


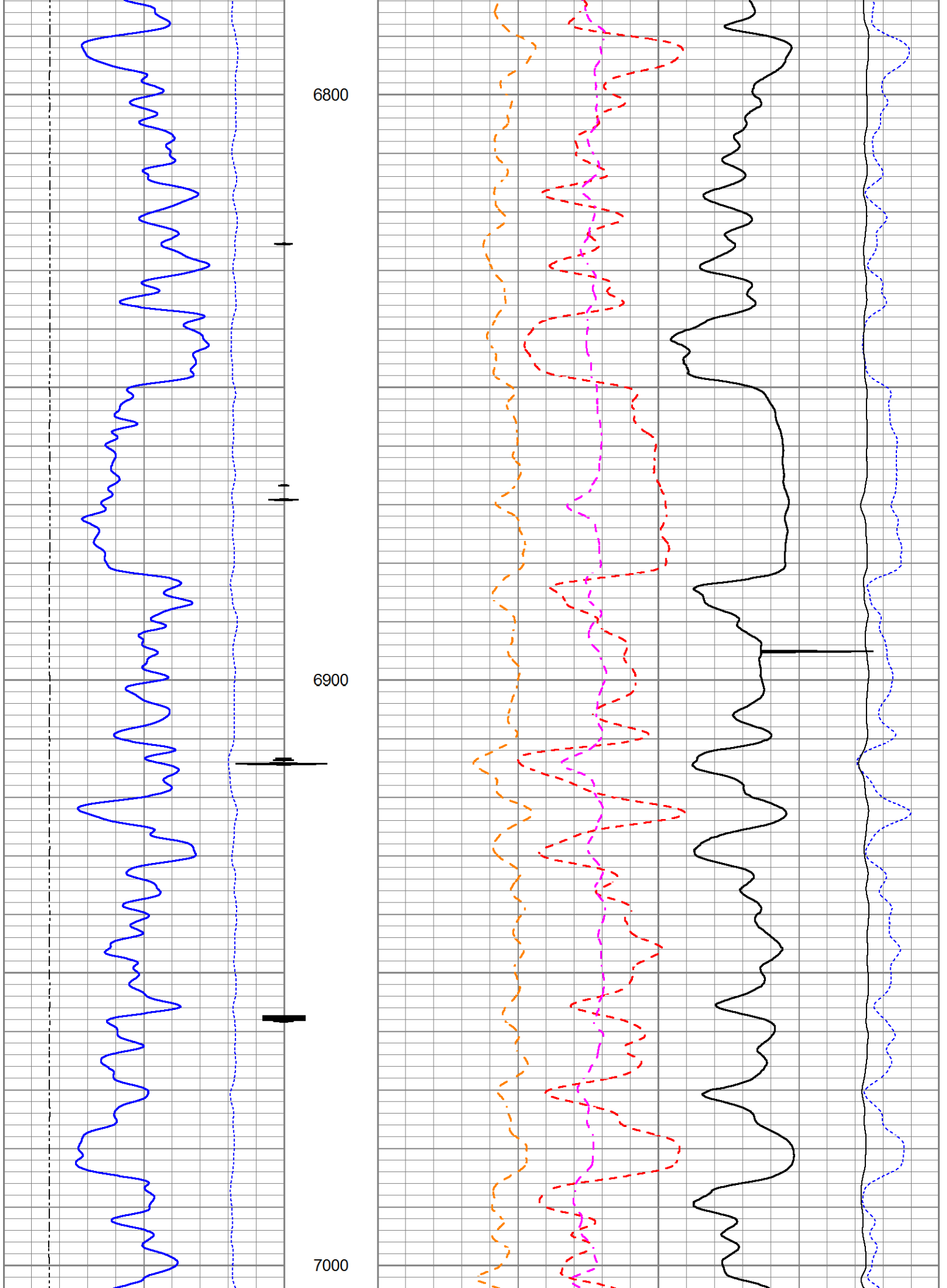


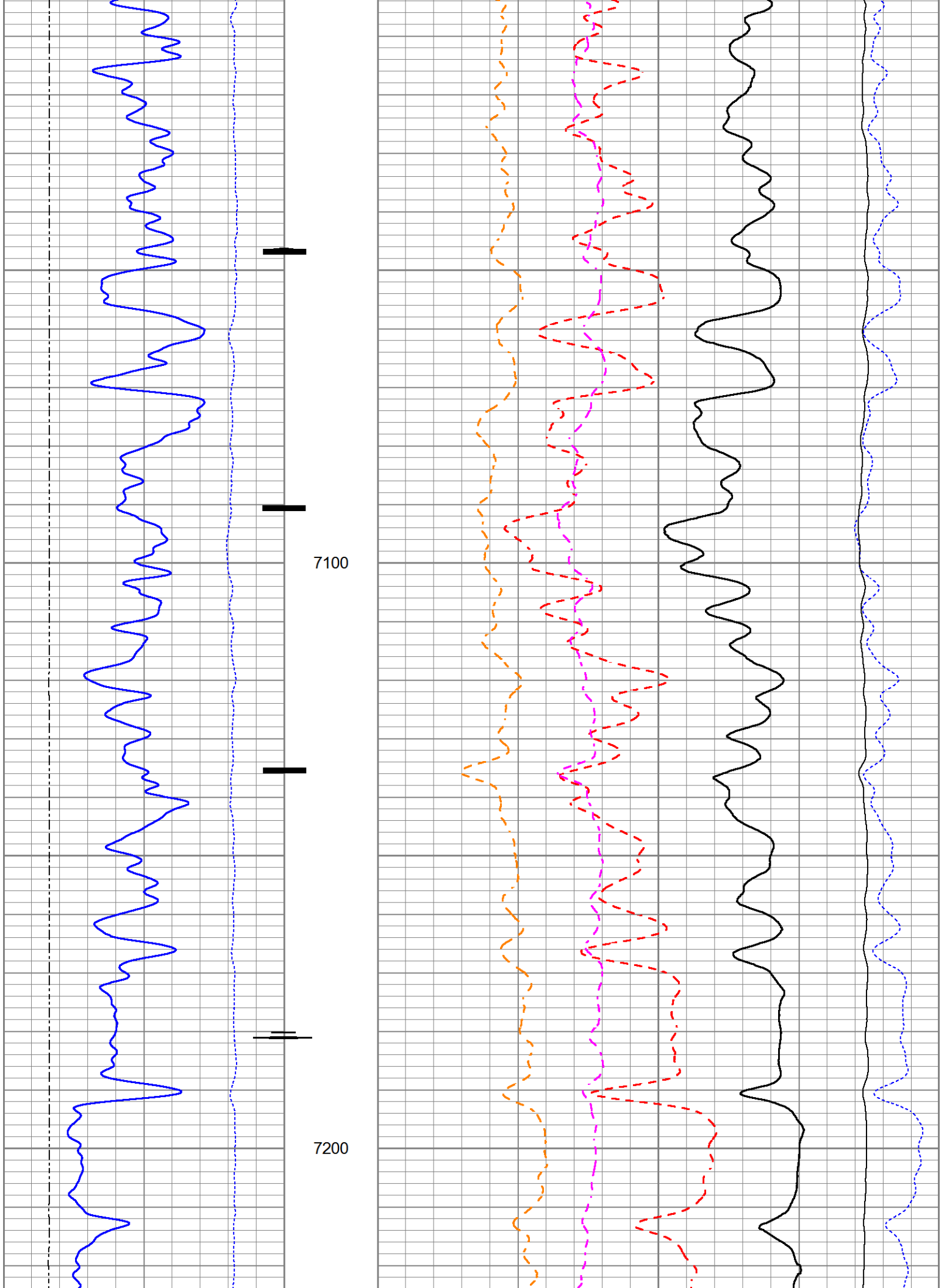


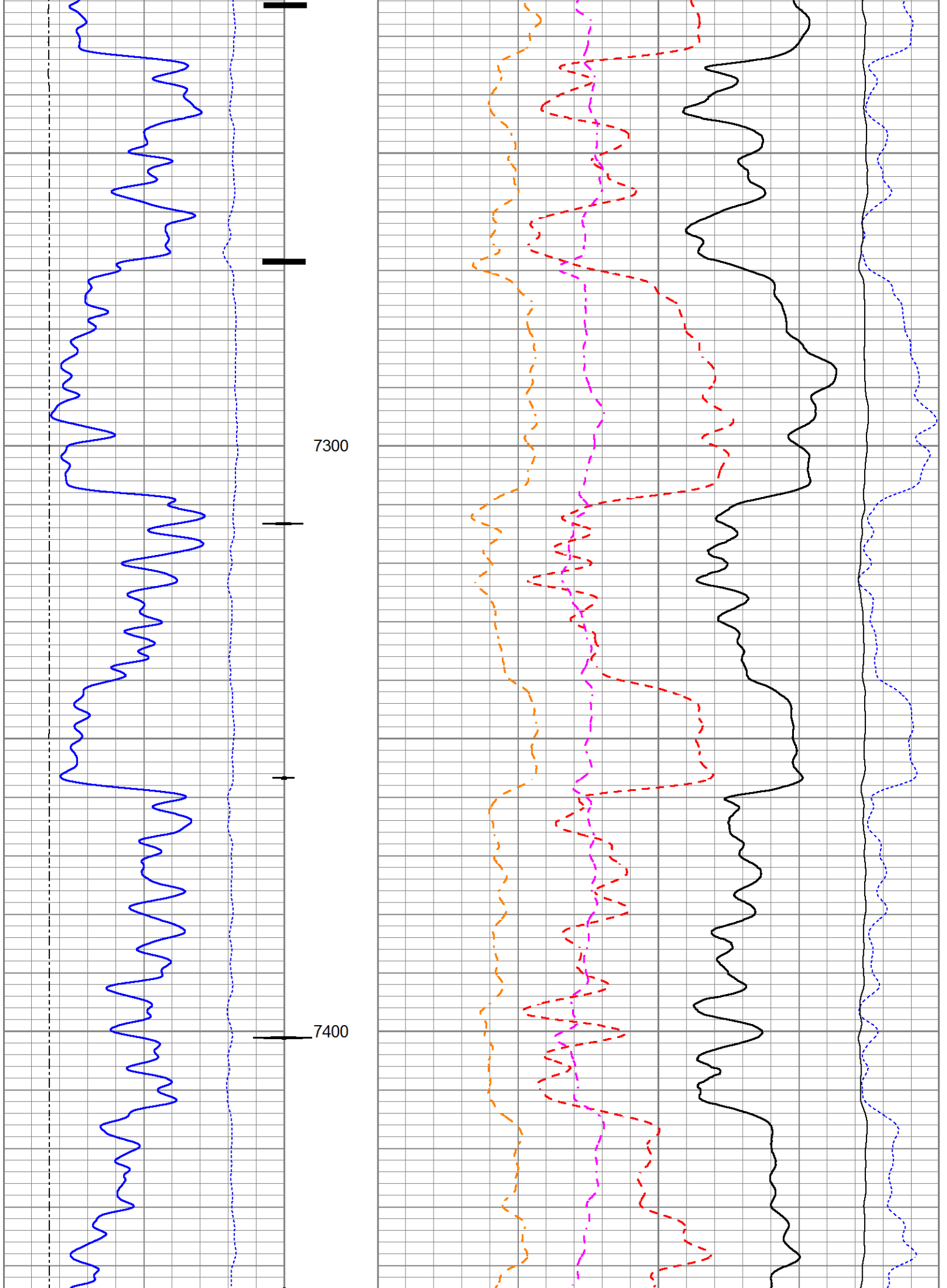


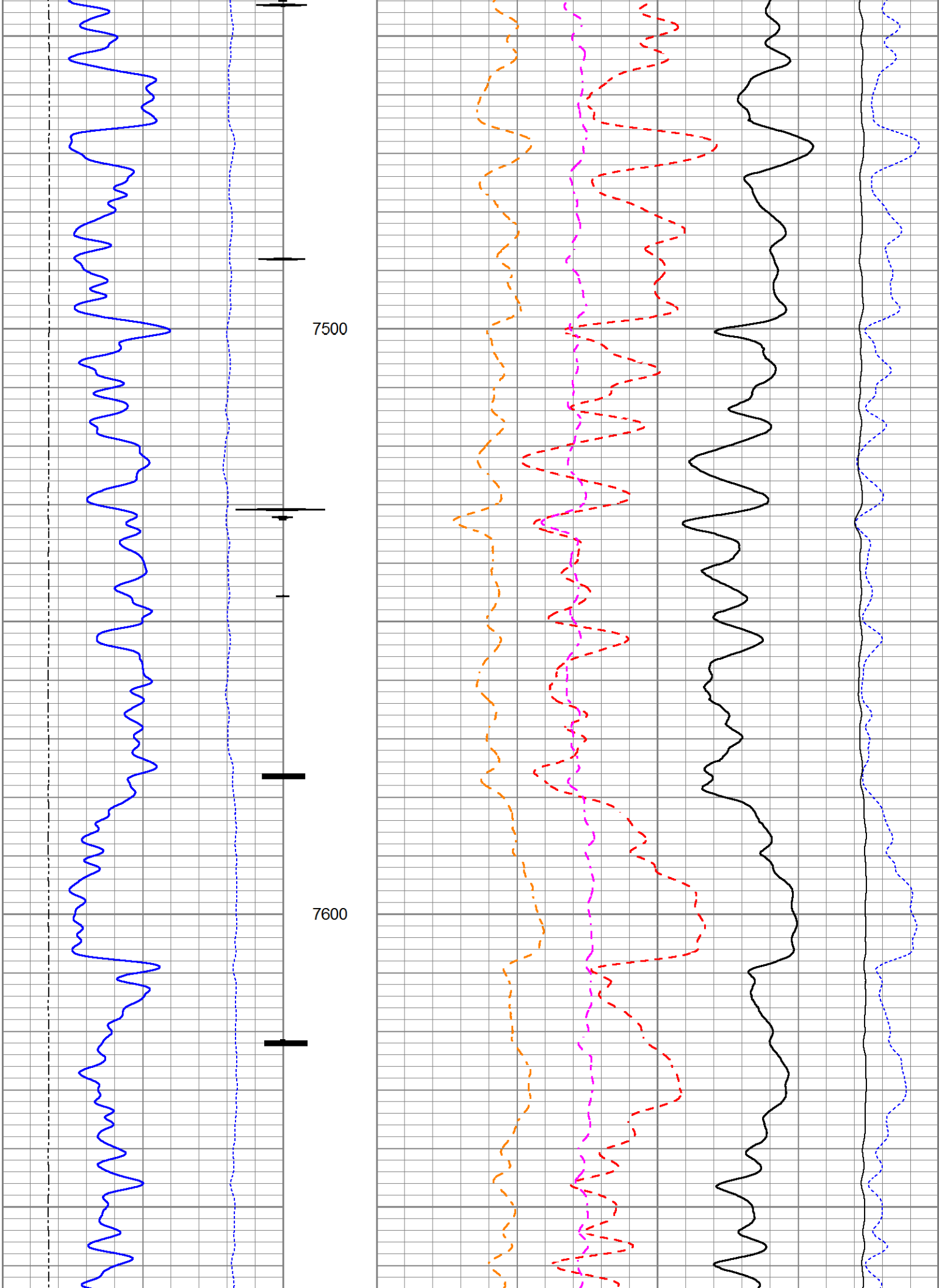




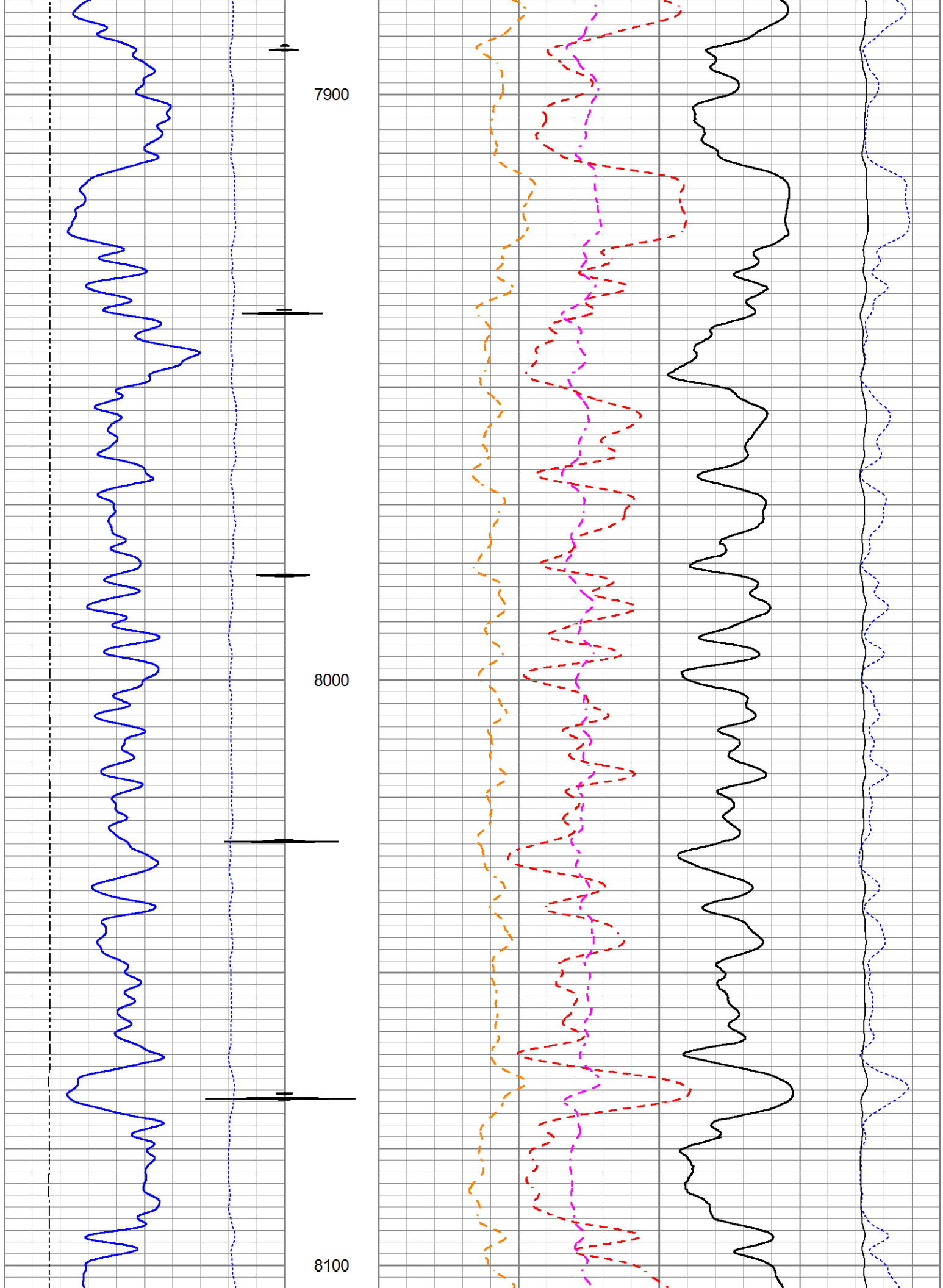


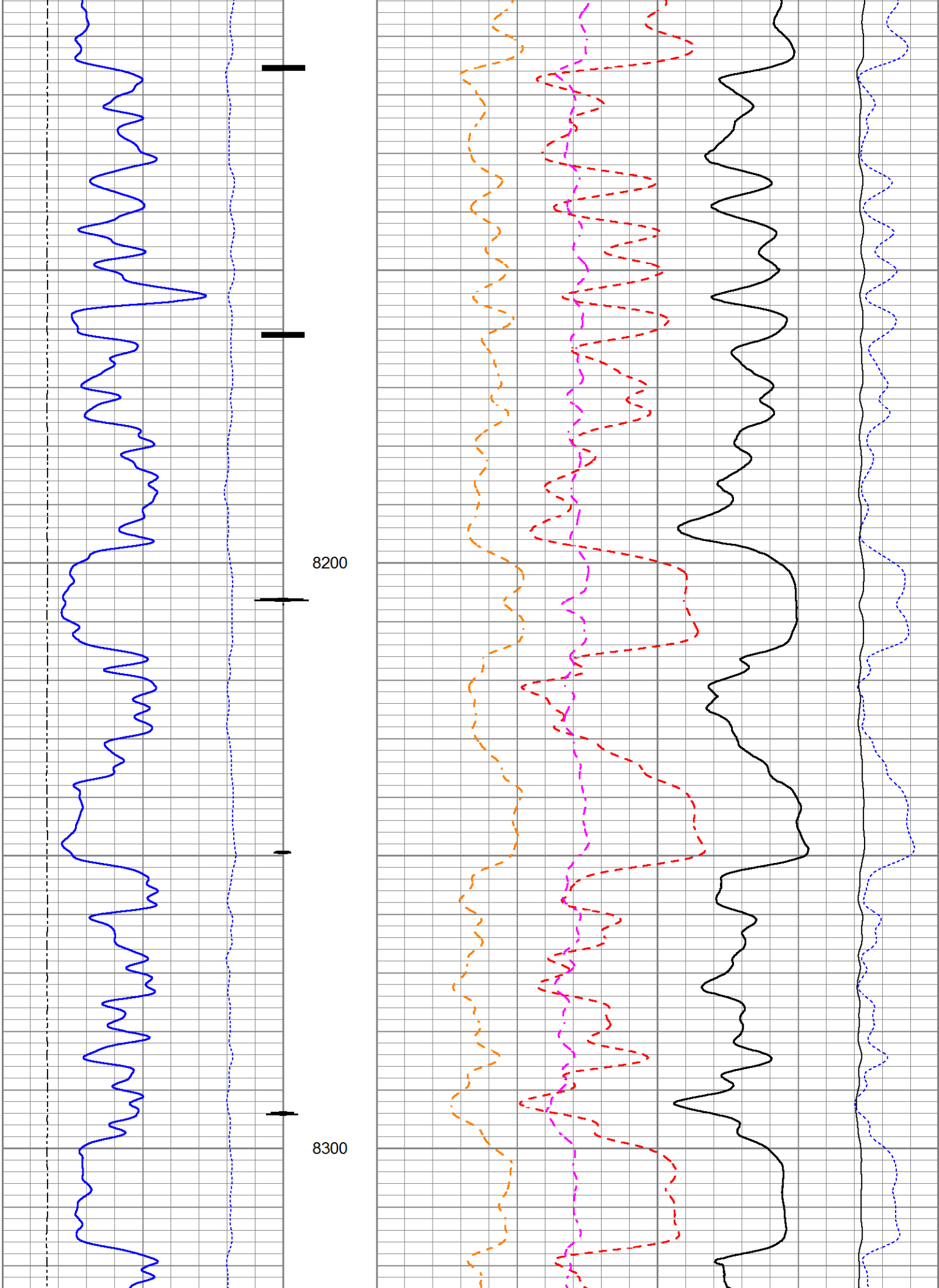


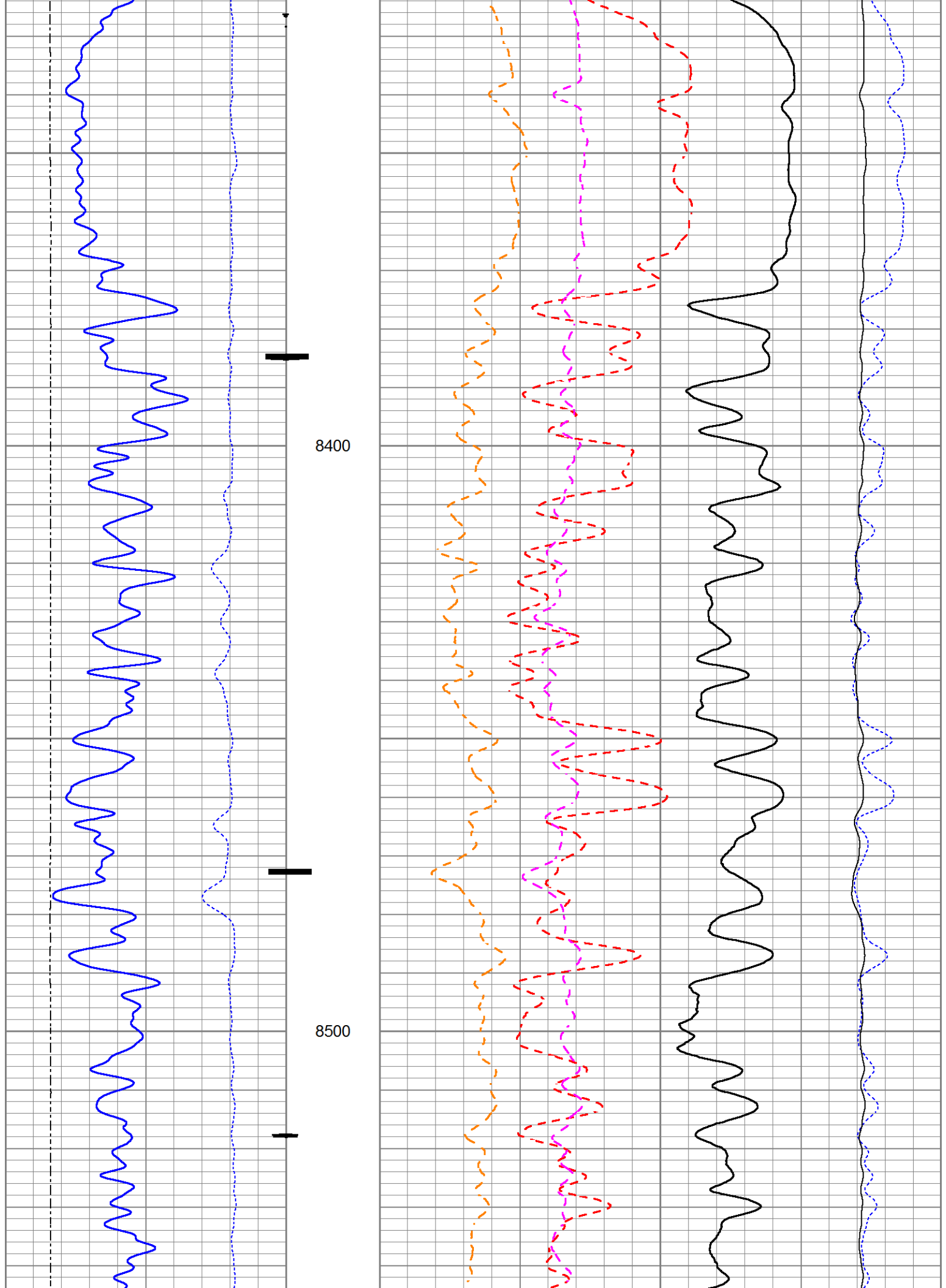


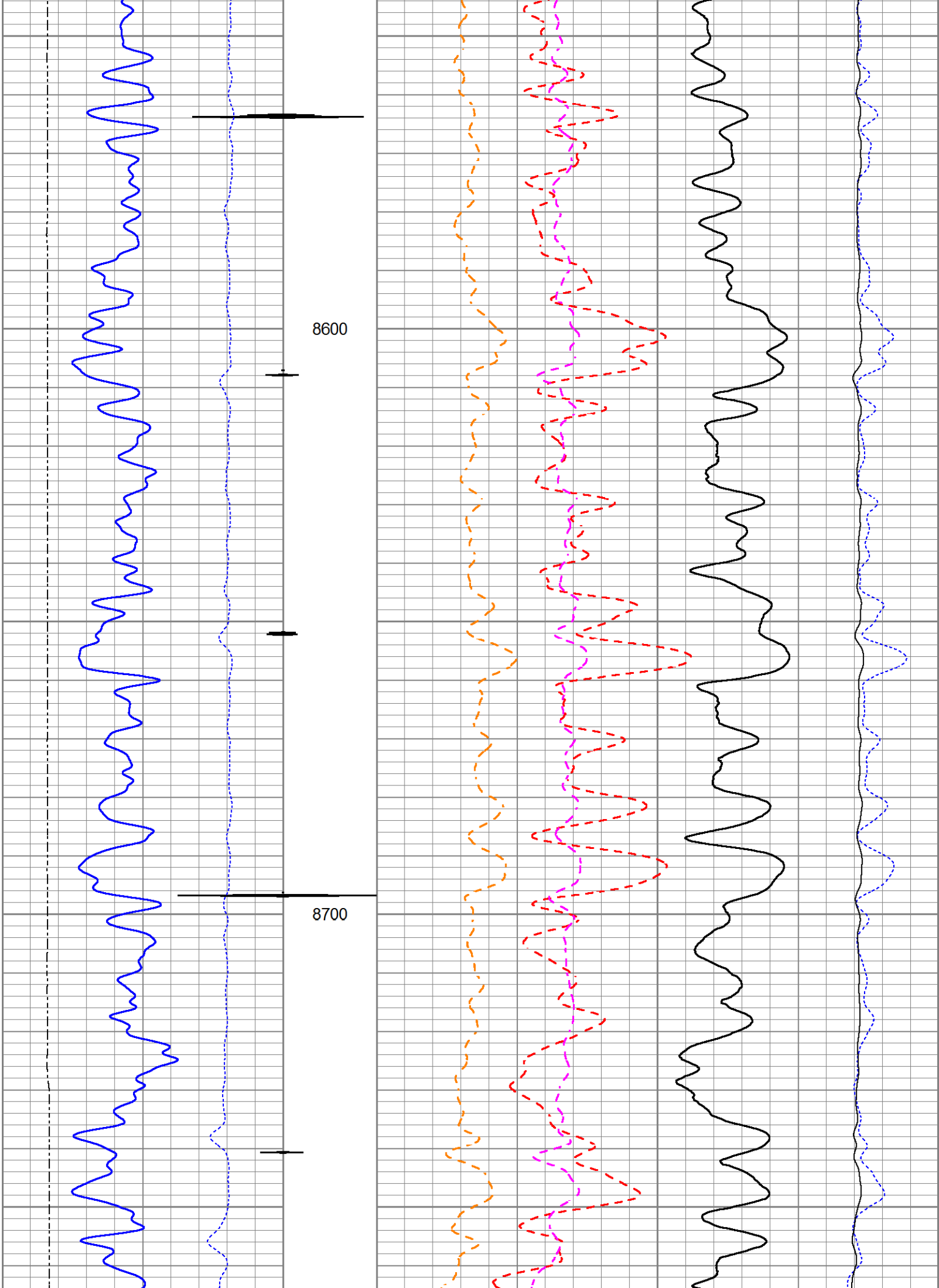


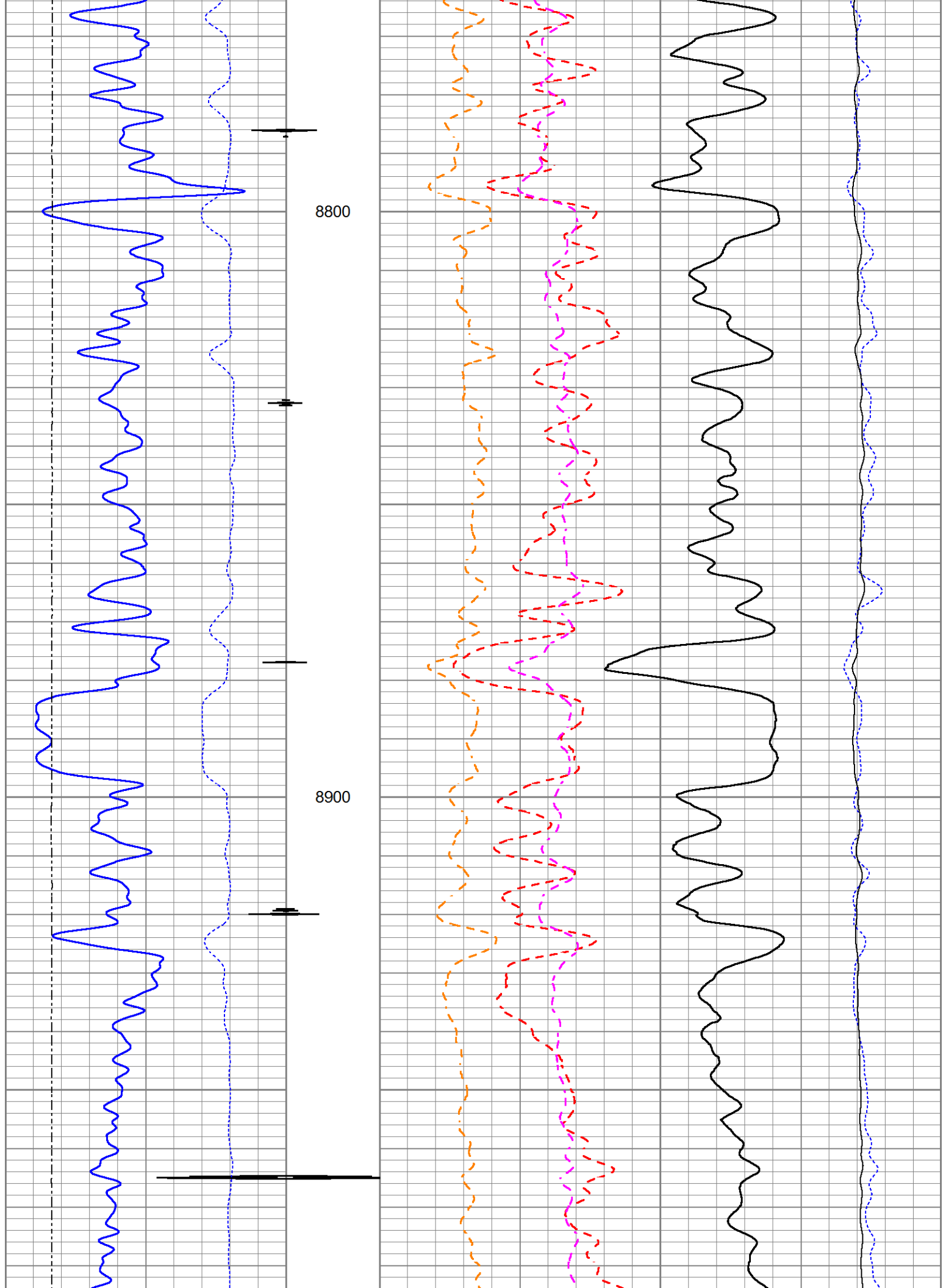


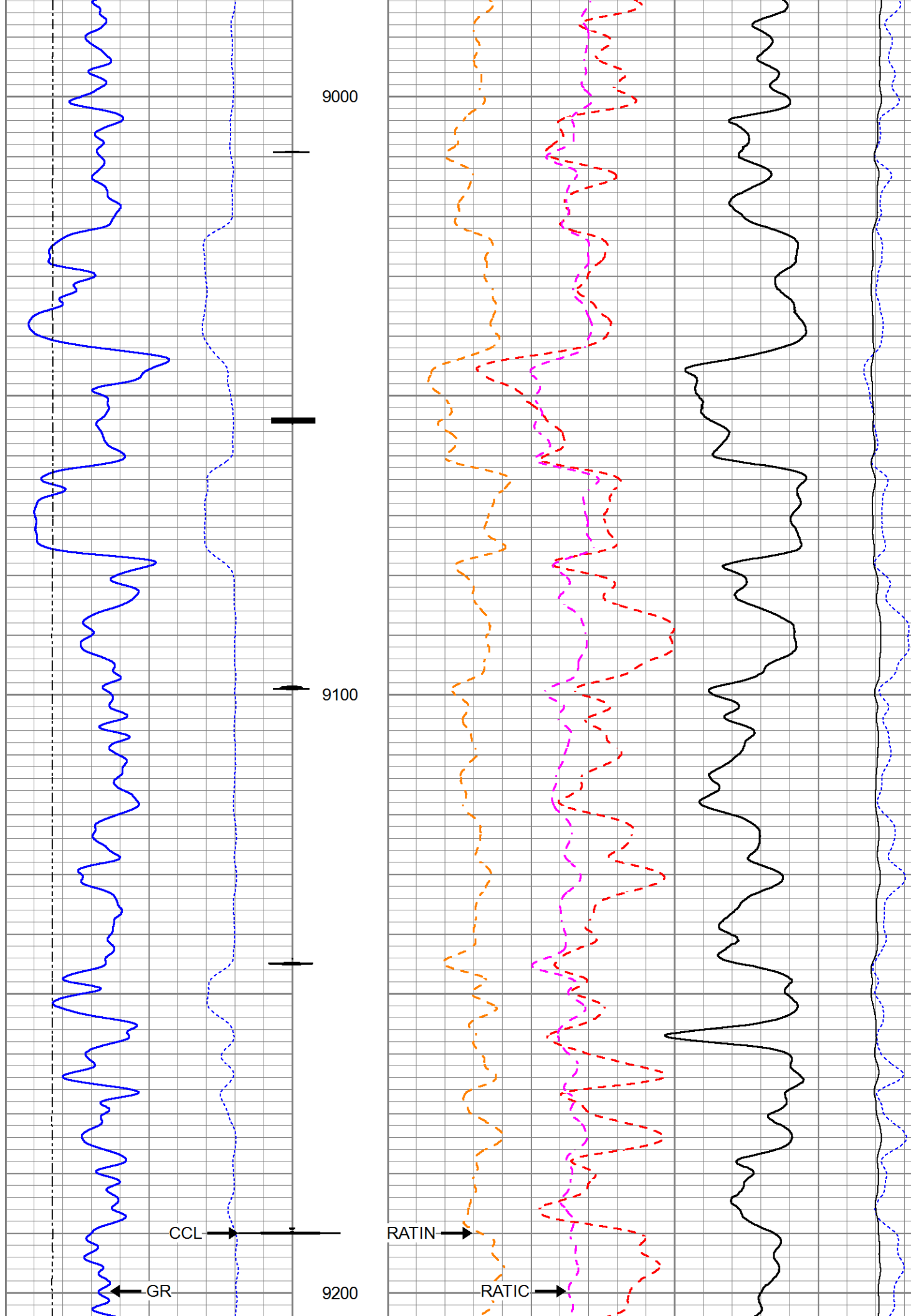


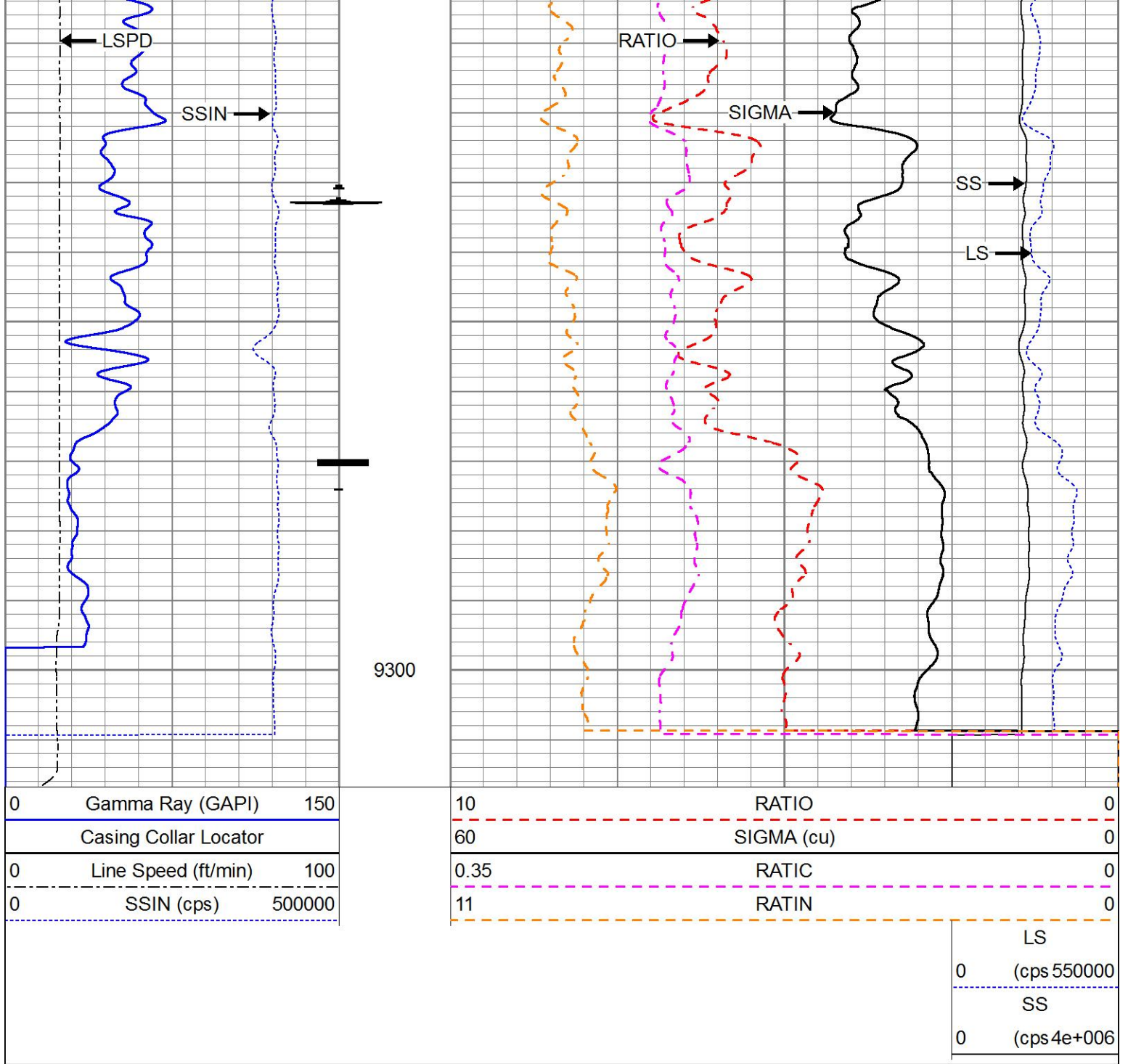




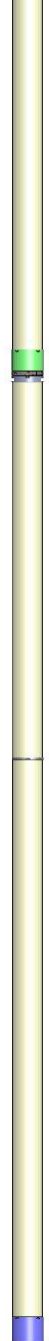








Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan_Electric_Cable_Heads-Titan_1-11/161.03 Electric Cable Head with 1" Fishing Neck	1.69	1.69	5.40
			Telemetry-Antares Antares Telemetry / Gamma / CCL	4.07	1.70	17.60



Generator-Antares
Antares Neutron Generator

19.03

1.70

85.80

Dataset:	pdn tool.db: field/well/run1/PDN_Tool_Diagram
Total length:	24.13 ft
Total weight:	108.80 lb
O.D.:	1.70 in



Company	TEP Rocky Mountain LLC
Well	Youberg SR 331-12
Field	Rulison
County	Garfield
State	Colorado