



COMPOSITE LOG

Company C & G DRILLING, INC		Company C & G DRILLING, INC	
Well	HALL C # 1	Well HALL C # 1	
Field	HAZLETT	Field HAZLETT	
County	BUTLER	County BUTLER	
State	KANSAS	State KANSAS	
Location:		API # : 15-015-24200-00-00	
Permanent Datum		GL	
Log Measured From		KB 9	
Drilling Measured From		KB	
SEC 2 TWP 24S RGE 4E		Elevation 1418	
N/2 SE SE 990' FSL & 660' FEL		Other Services DIL, MEL CDLN	
Elevation		K.B. 1427 D.F. 1426 G.L. 1418	
Date	3-12-2023		
Run Number	ONE		
Depth Driller	2700		
Depth Logger	2699		
Bottom Logged Interval	2697		
Top Log Interval	200		
Casing Driller	8.625" @ 202		
Casing Logger	8.625" @ 211		
Bit Size	7.875"		
Type Fluid in Hole	MUD		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmf @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmf / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom	6:30 AM		
Maximum Recorded Temperature	102		
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	SHELDON TYLER		
Witnessed By	MR. STOUT	MR. WOLFE	

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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

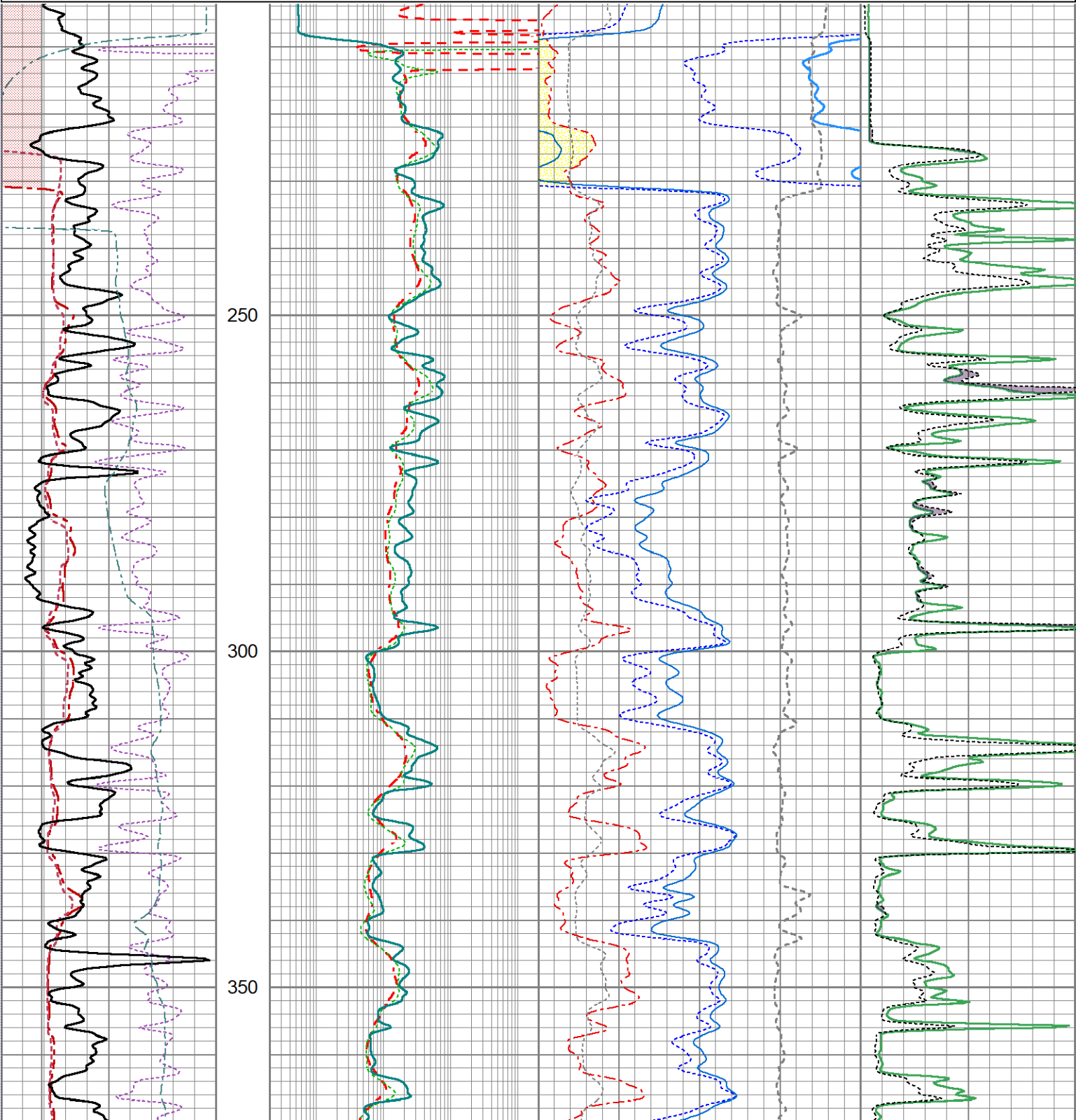
FILE # OW2-9178 C&G DRILLING
KIDD, LUKE
THANK YOU FOR USING OSAGE WIRELINE

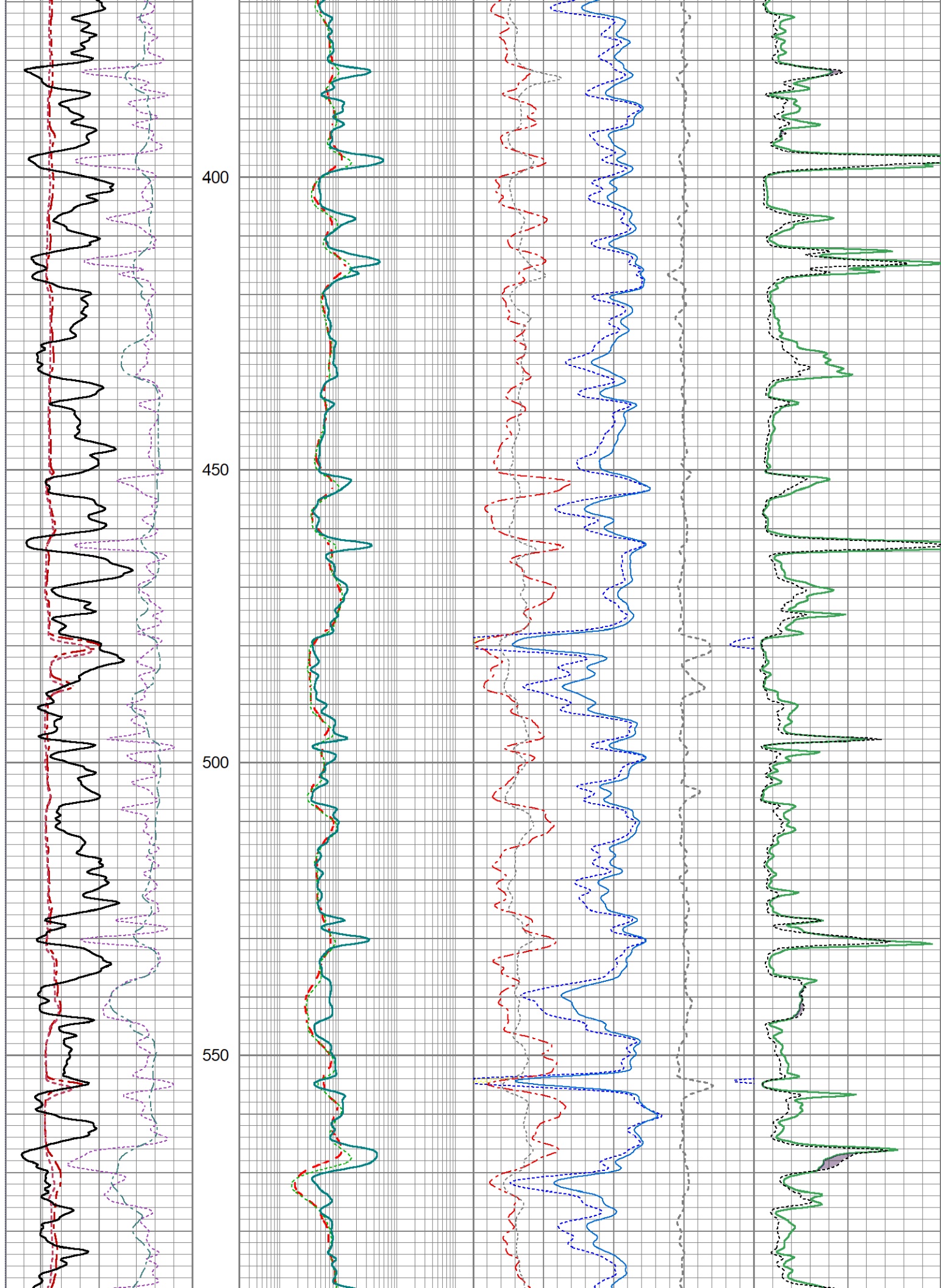


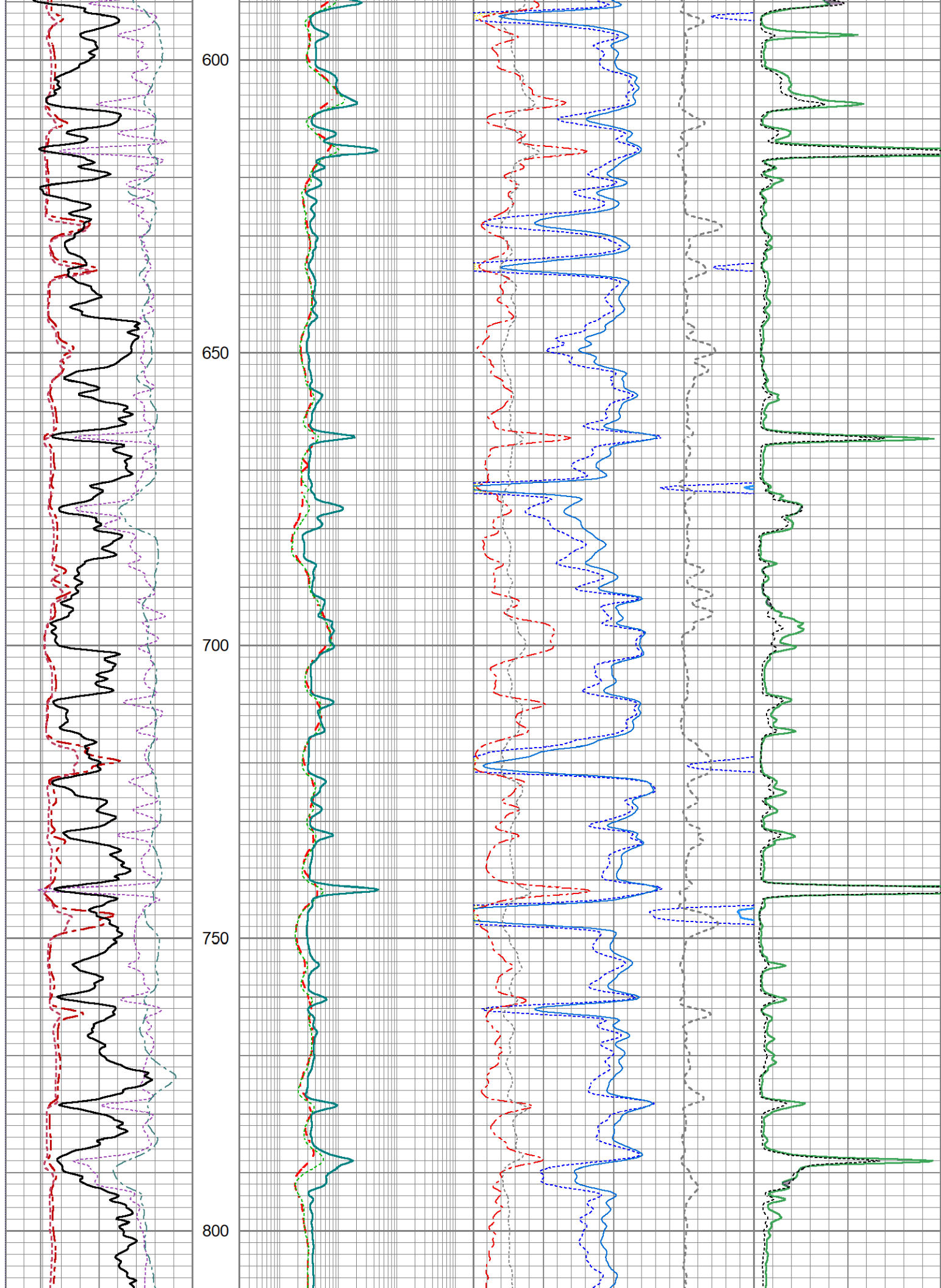
5" COMPOSITE LOG

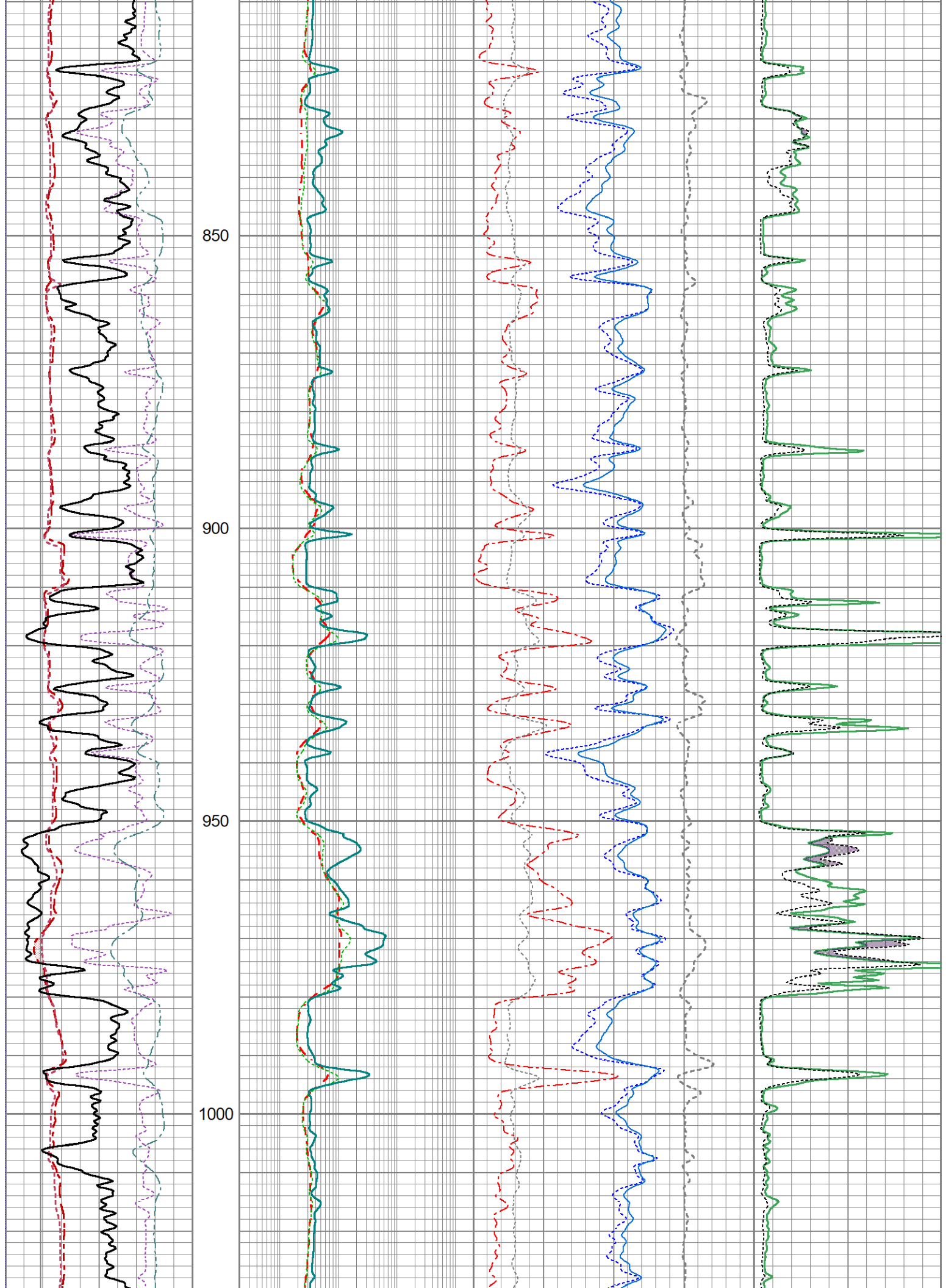
Database File	ow2-9178 c g drilling.db
Dataset Pathname	pass3.18
Presentation Format	st_composite_6-16
Dataset Creation	Sun Mar 12 08:16:58 2023
Charted by	Depth in Feet scaled 1:240

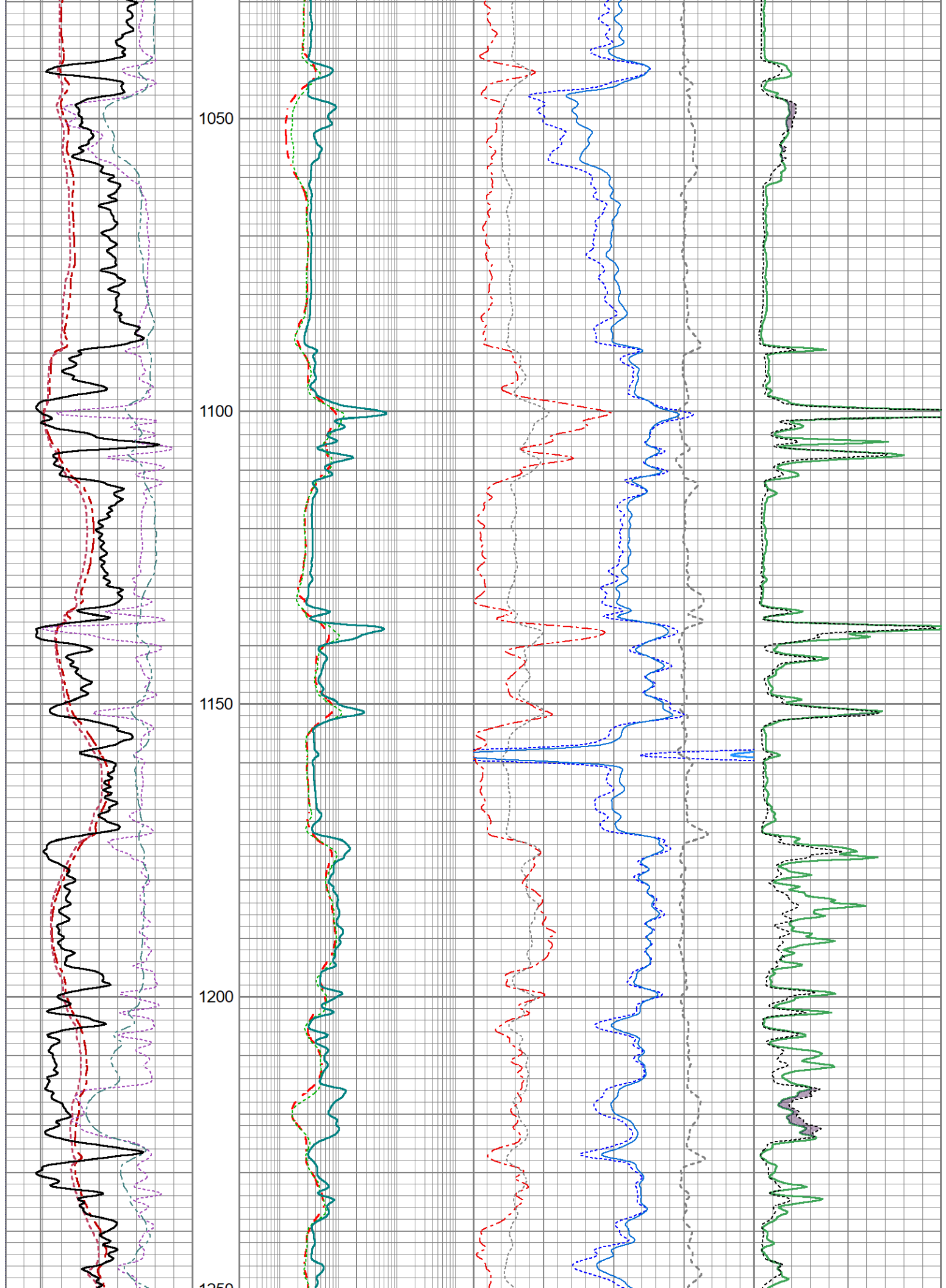
6	Bit Size (in)	16	Deep Resistivity			30	Density Porosity (pu)	-10	Micro Inverse		
6	Density Caliper (in)	16	0.2	(Ohm-m)	2000	30	Neutron Porosity (pu)	-10	0	(Ohm-m)	40
6	Micro Caliper (in)	16	Medium Resistivity			2	Bulk Density (g/cc)	3	Micro Normal		
-120	Rxo\Rt	30	0.2	(Ohm-m)	2000	0	PE (barn)	20	0	(Ohm-m)	40
Gamma Ray			Shallow Resistivity			Correction					
0	(GAPI)	150	0.2	(Ohm-m)	2000	-0.5 (g/cc) 0.5					
0	SP (mV)	210									

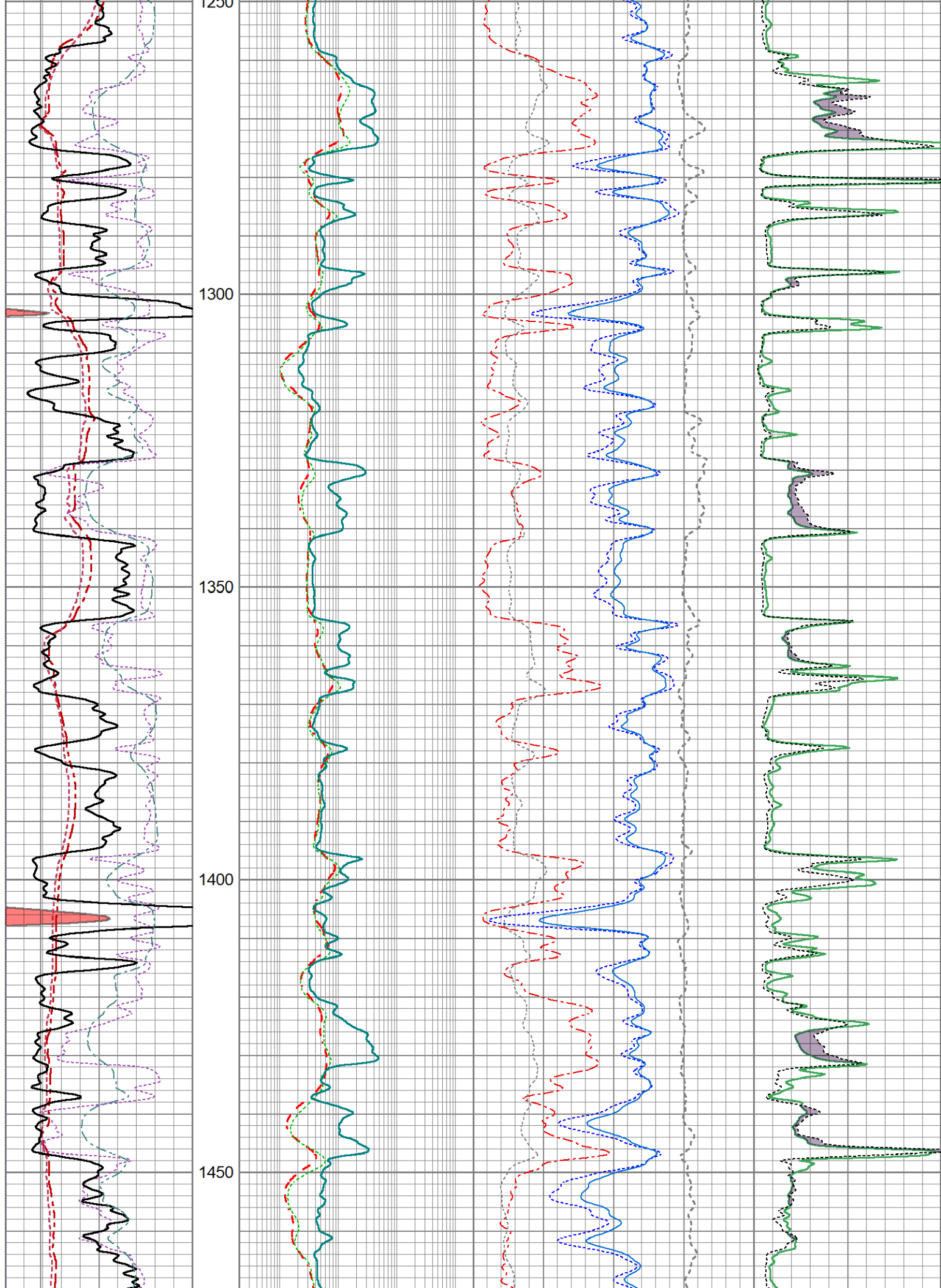


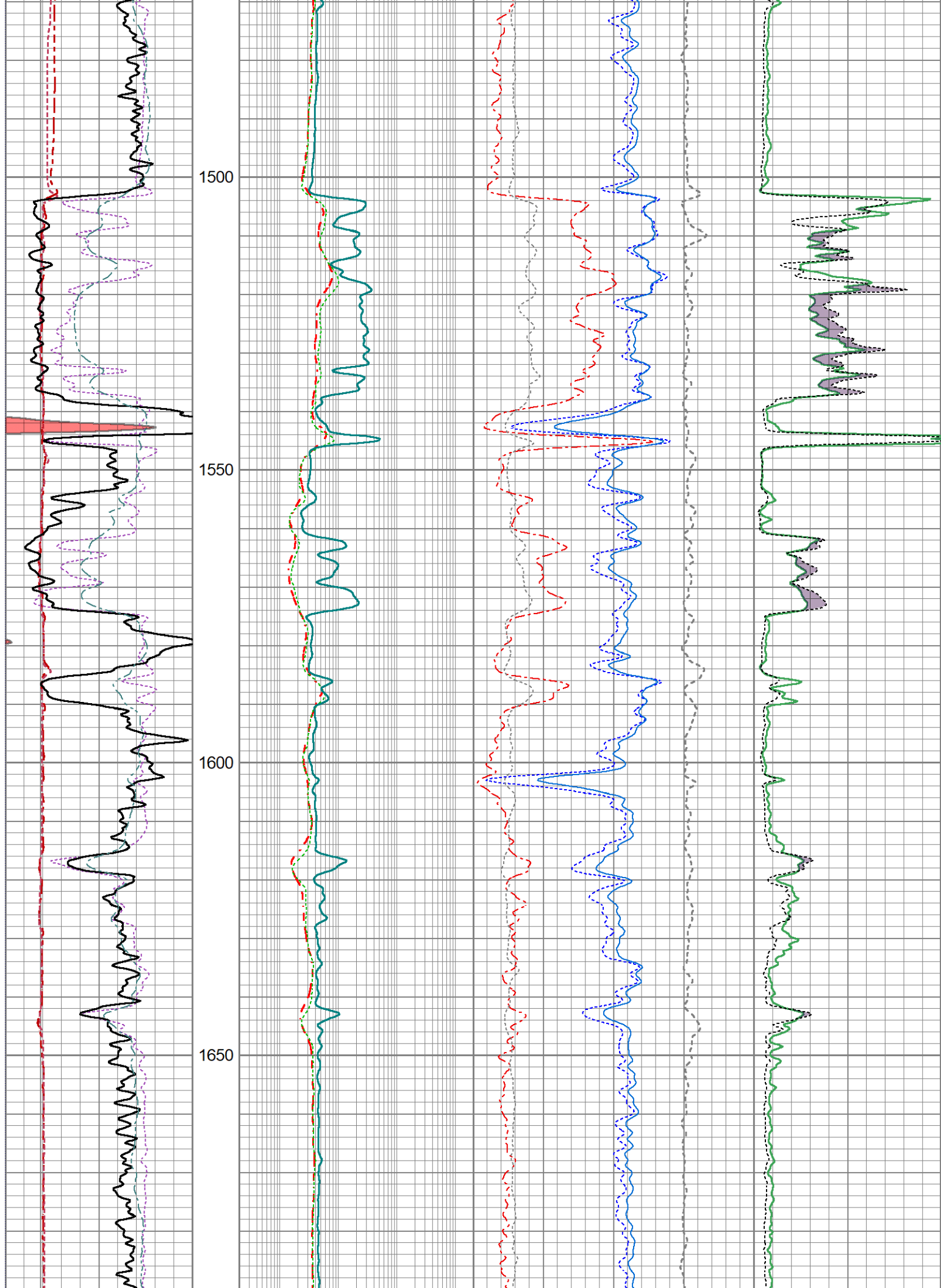


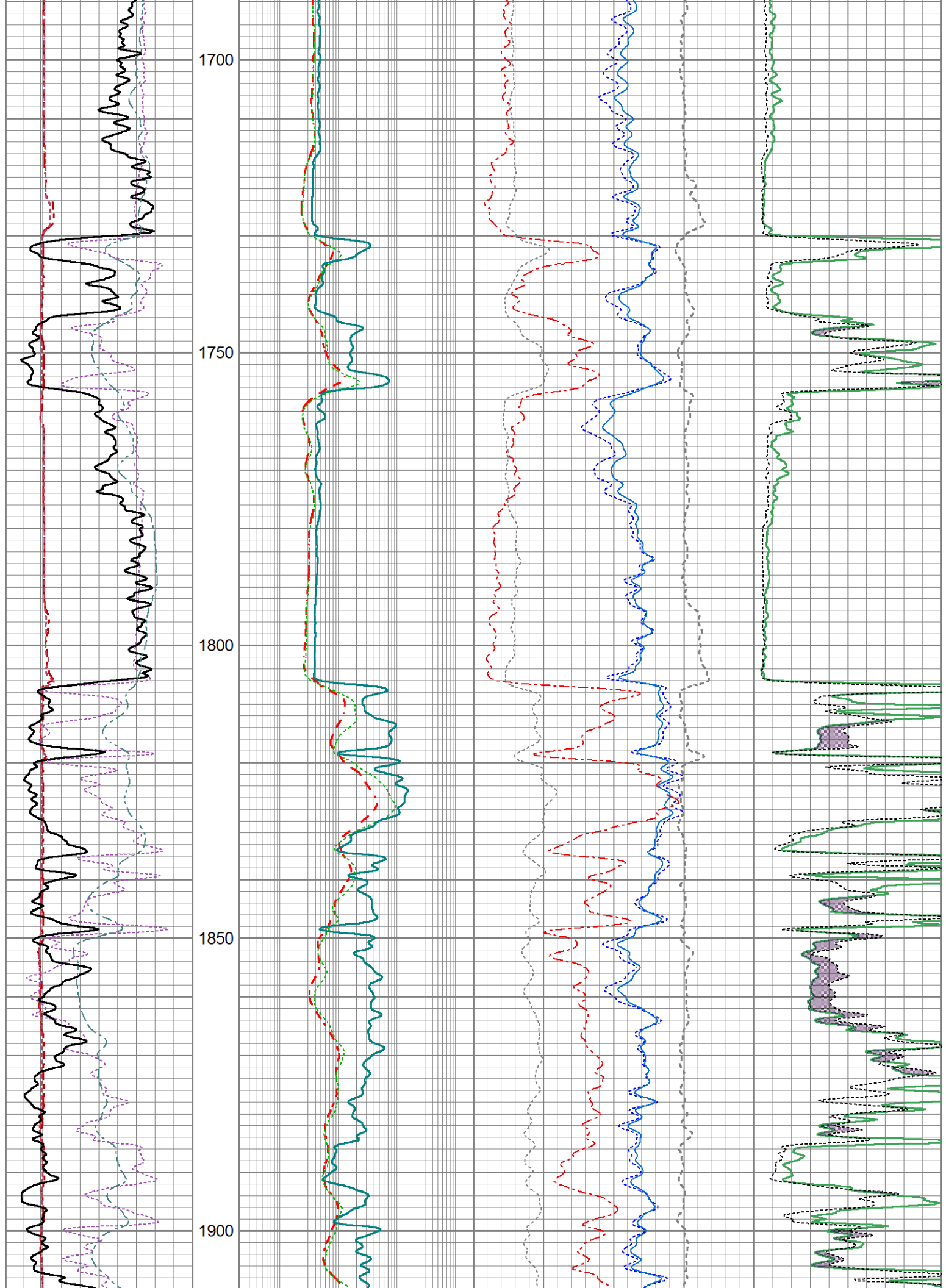


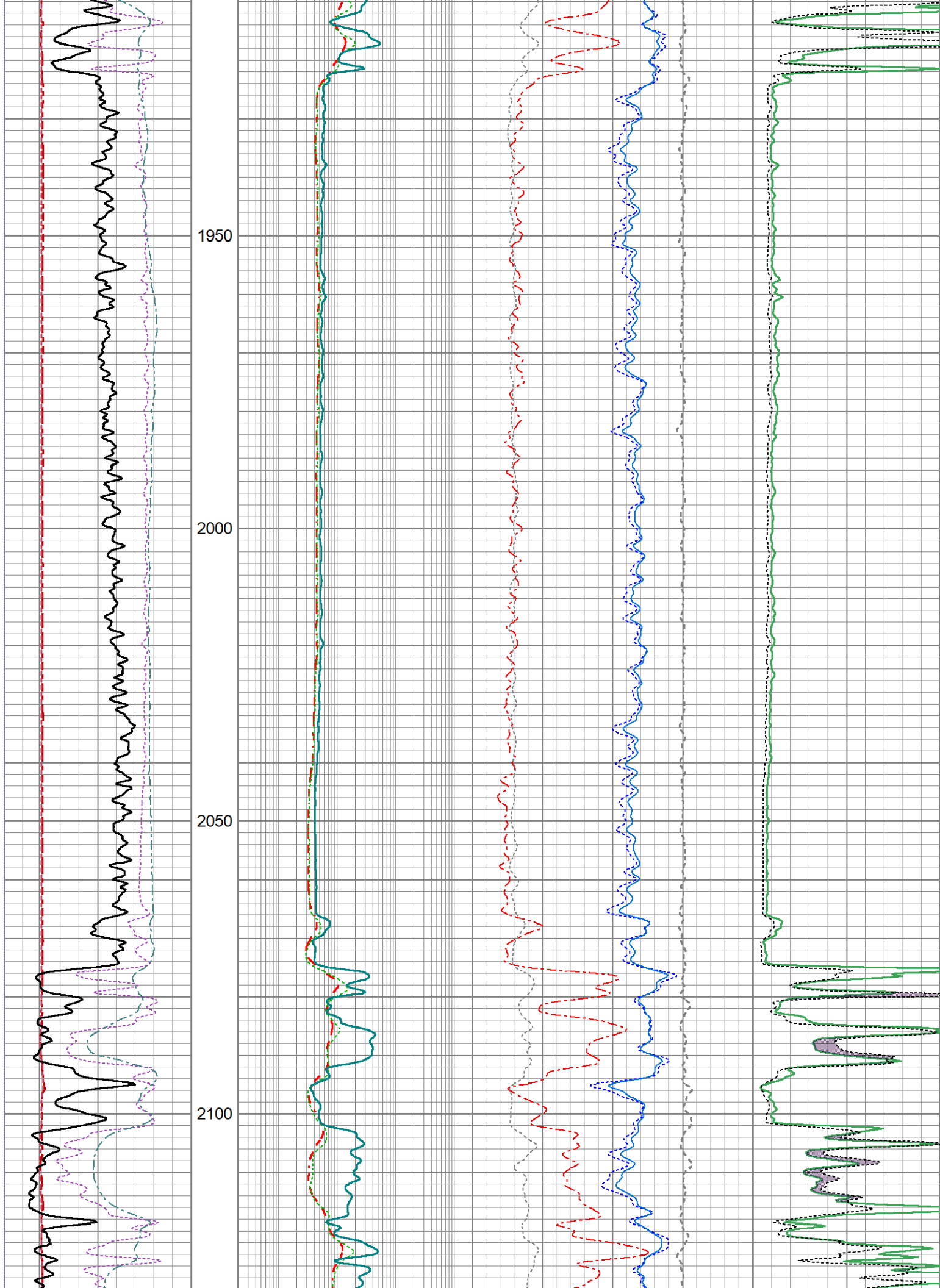


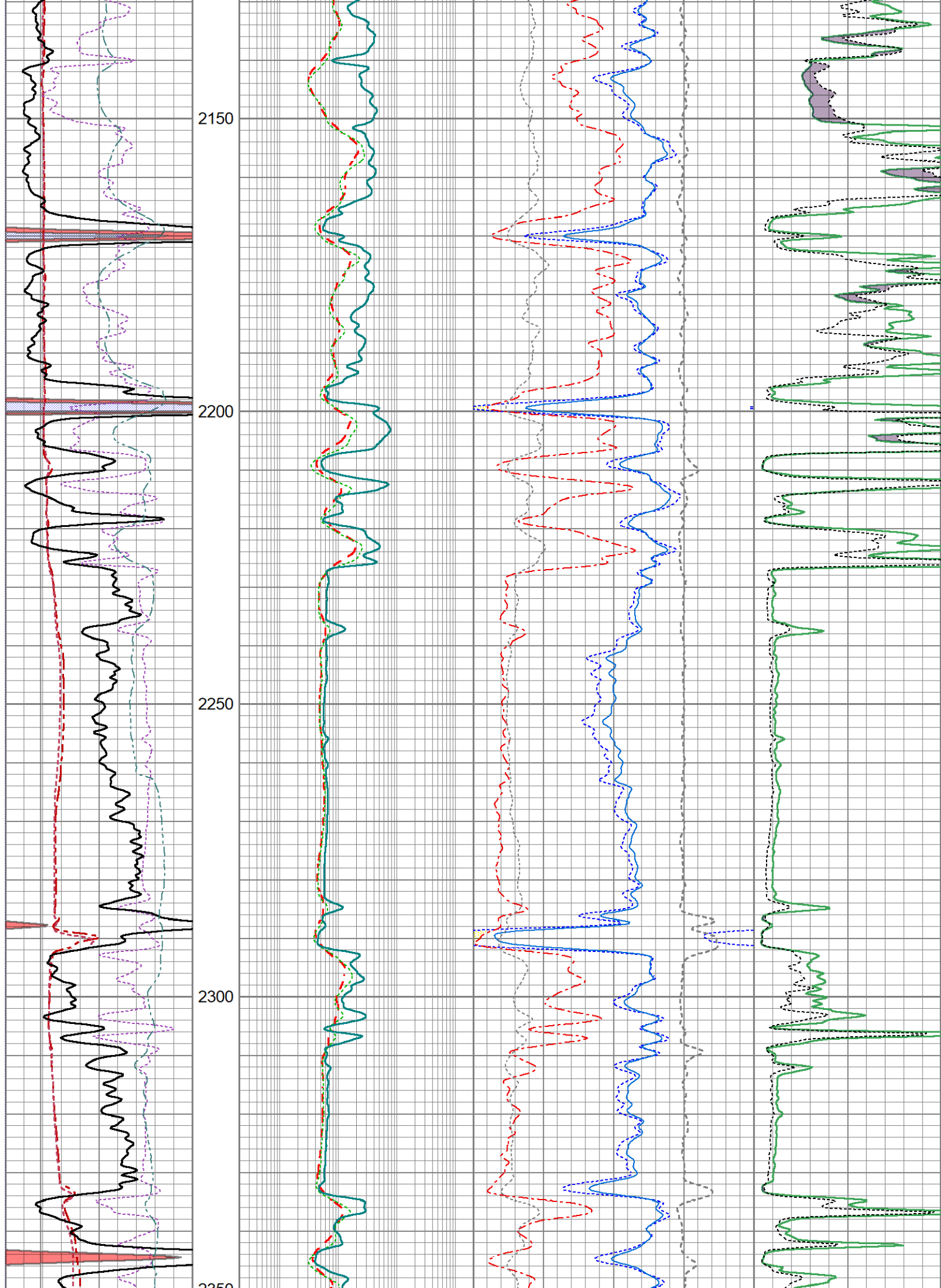


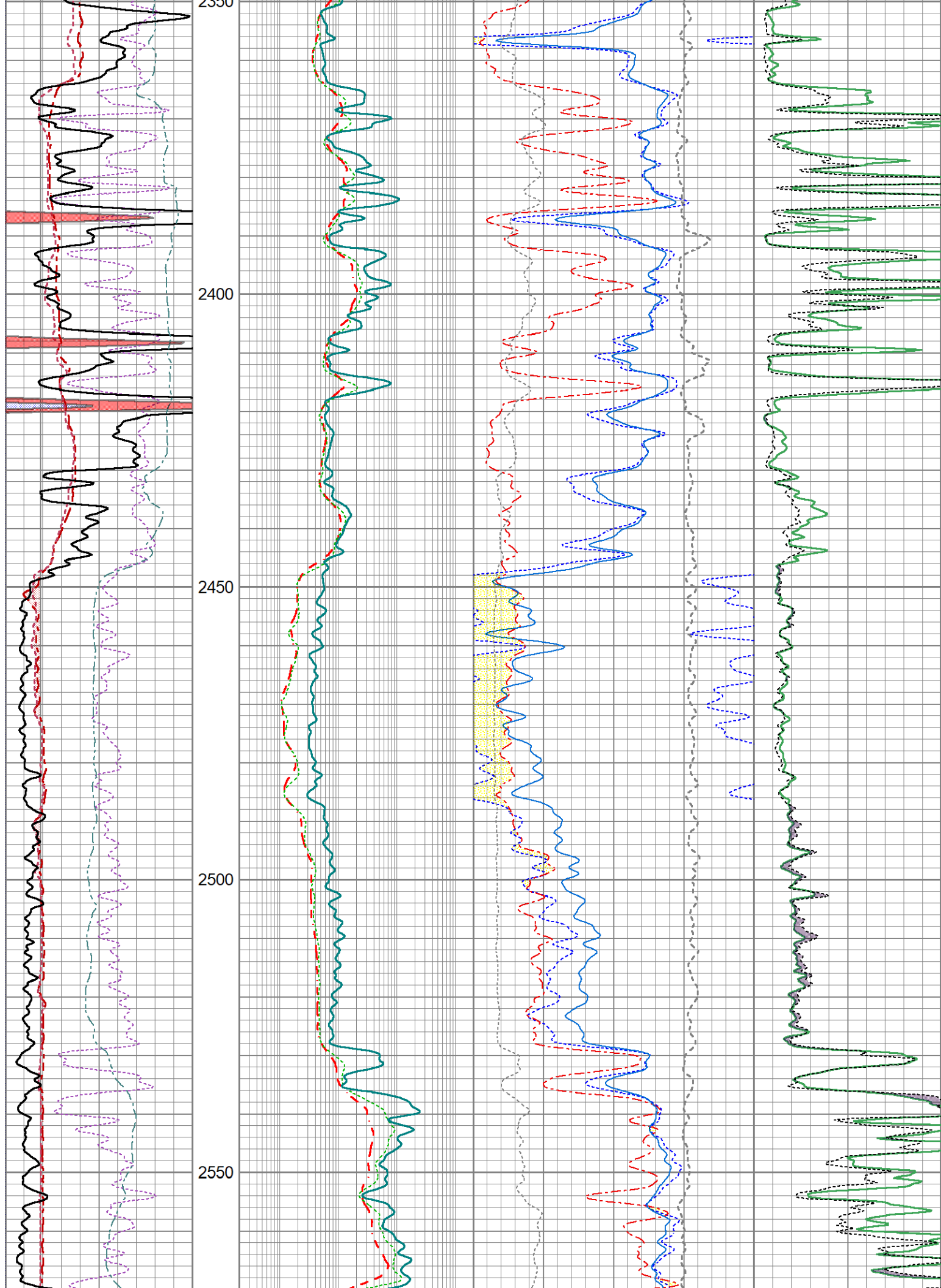


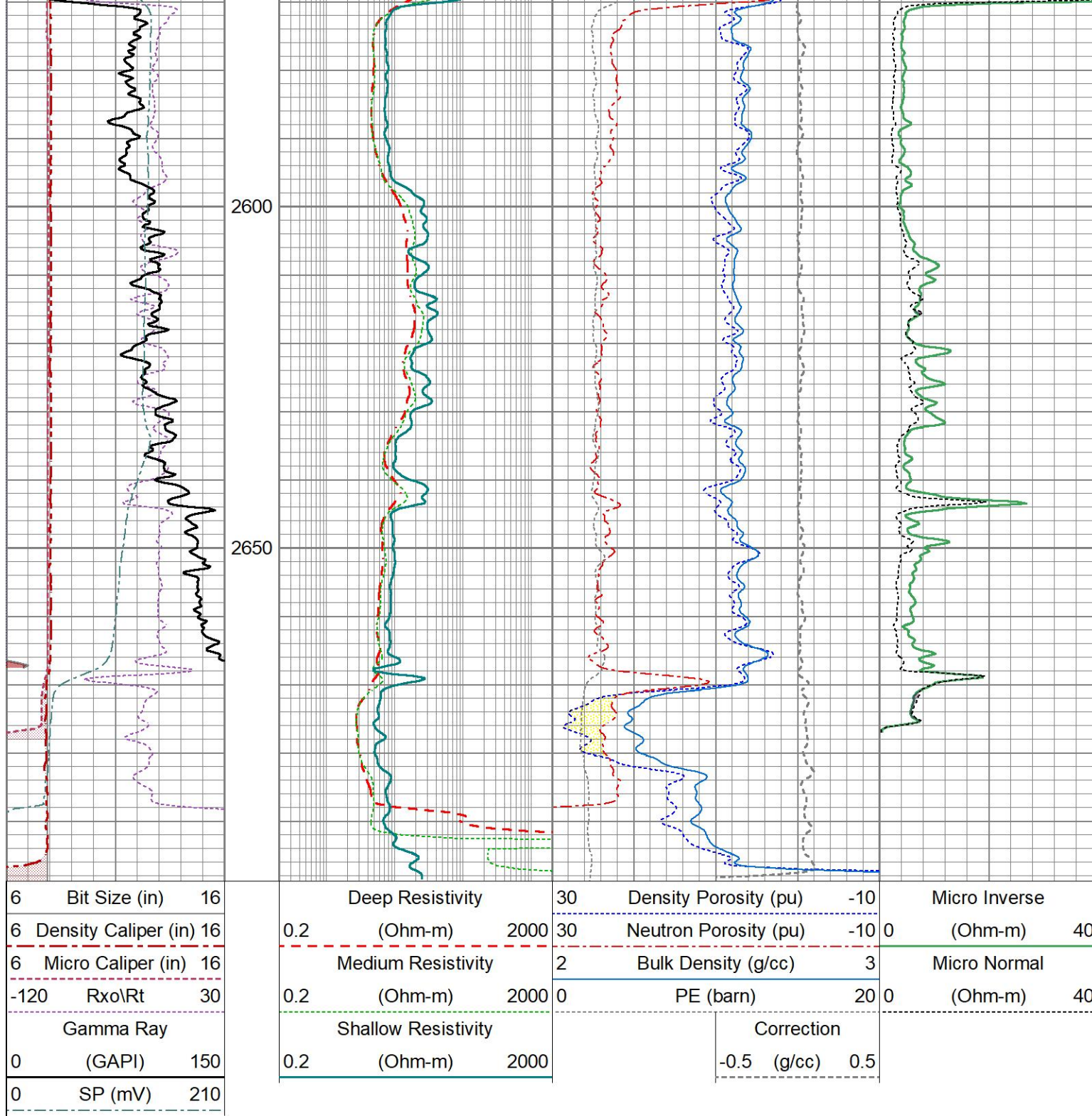








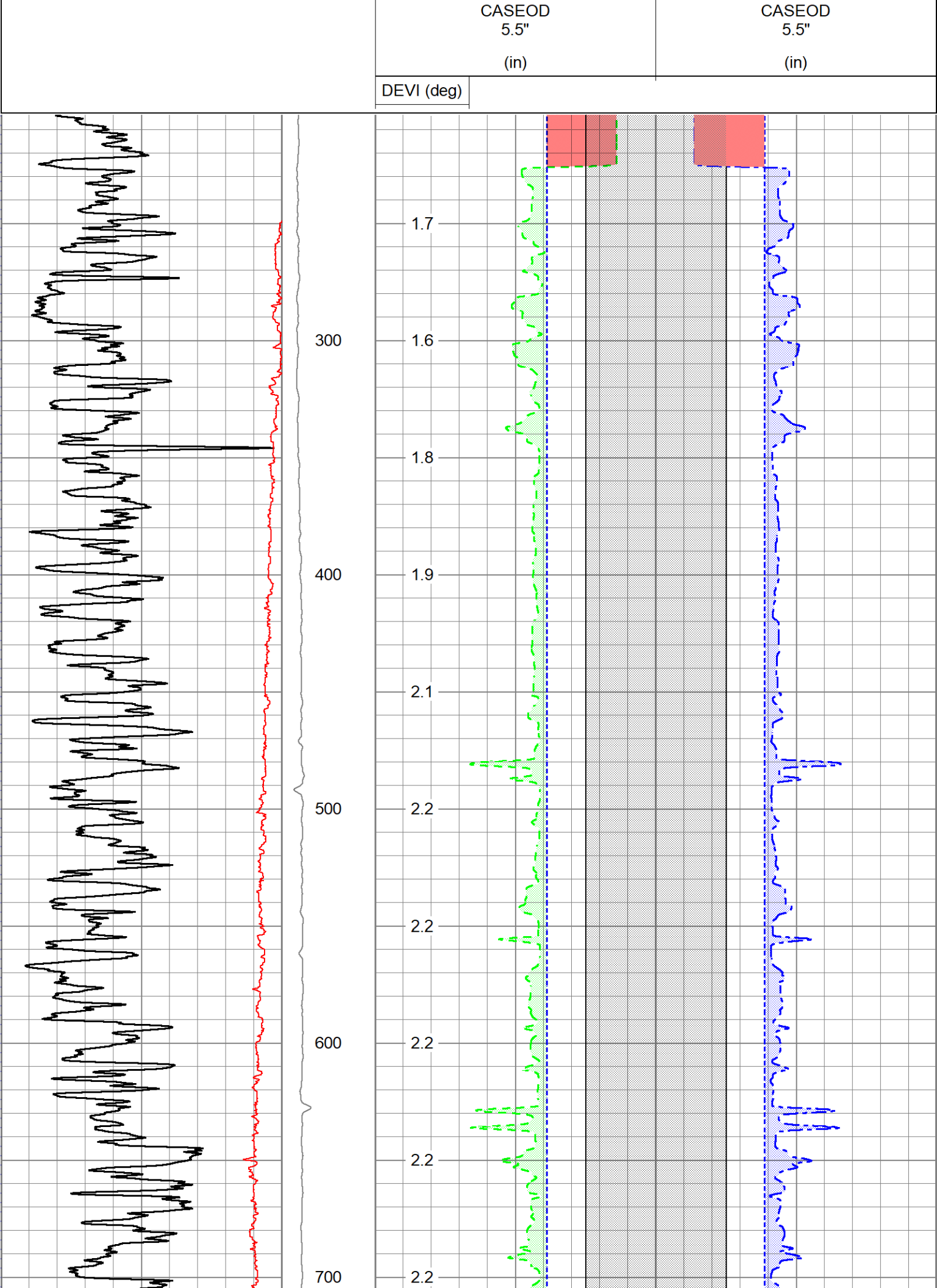


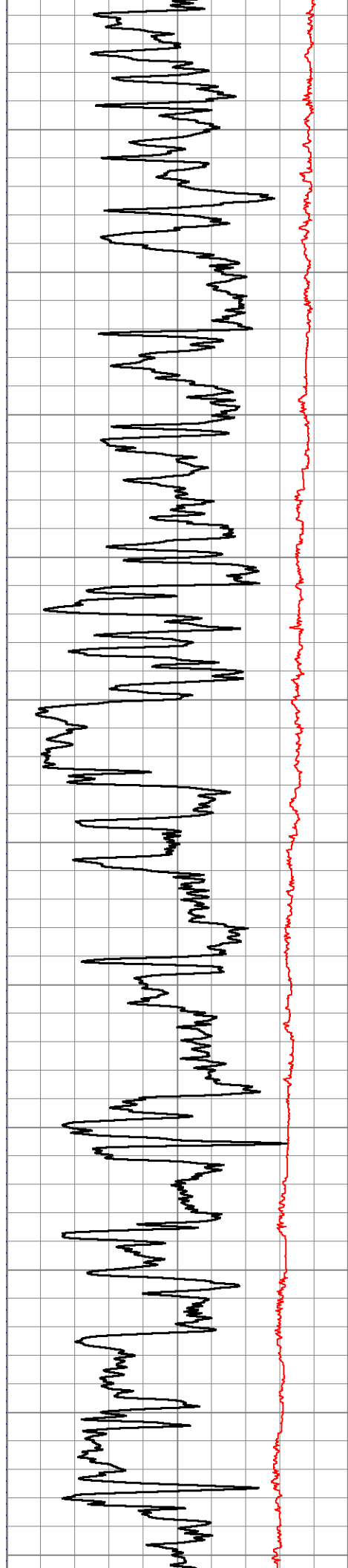


2" BHV/DEVIATION LOG

Database File ow2-9178 c g drilling.db
 Dataset Pathname pass3.12
 Presentation Format st_bhv_micro_6-16
 Dataset Creation Sun Mar 12 07:20:51 2023
 Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	DEVI	14	Micro Caliper (in)	4	4	Micro Caliper (in)	14
2000	LTEN (lb)	500	0 (deg) 10	14	Bit Size (in)	4	4	Bit Size (in)	14





800

900

1000

1100

1200

1.6

1.8

1.5

1.6

1.7

1.6

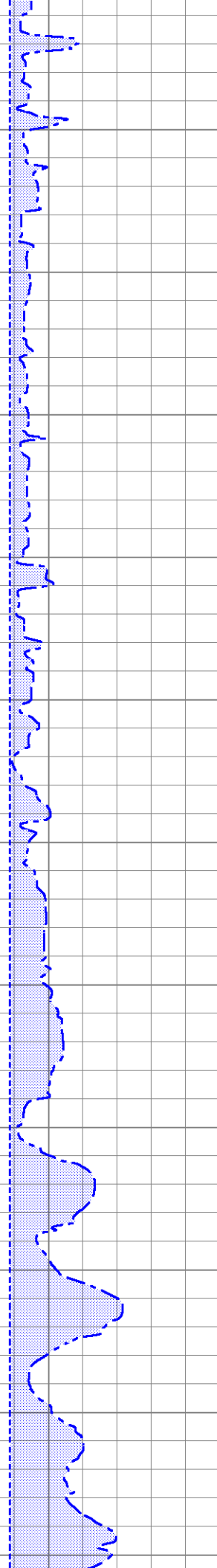
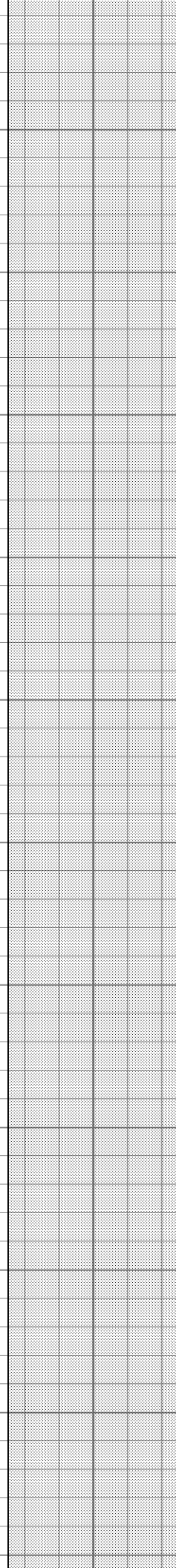
1.7

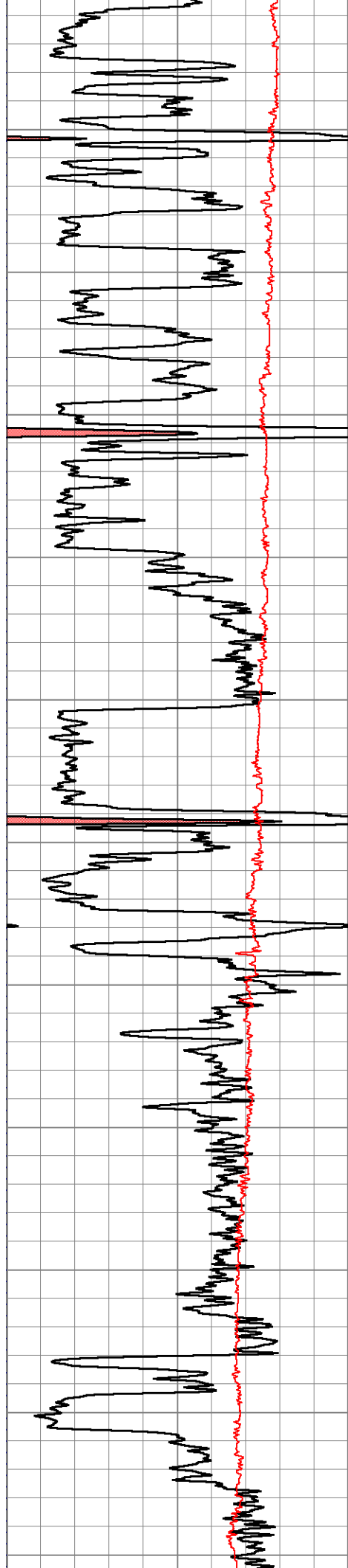
2.4

2.5

2.6

2.5





1300

1400

1500

1600

1700

1800

2.5

2.3

2.5

2.5

2.5

2.3

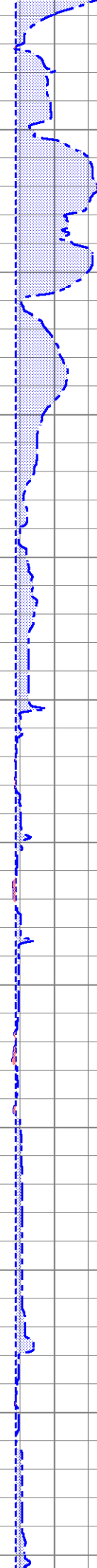
2.2

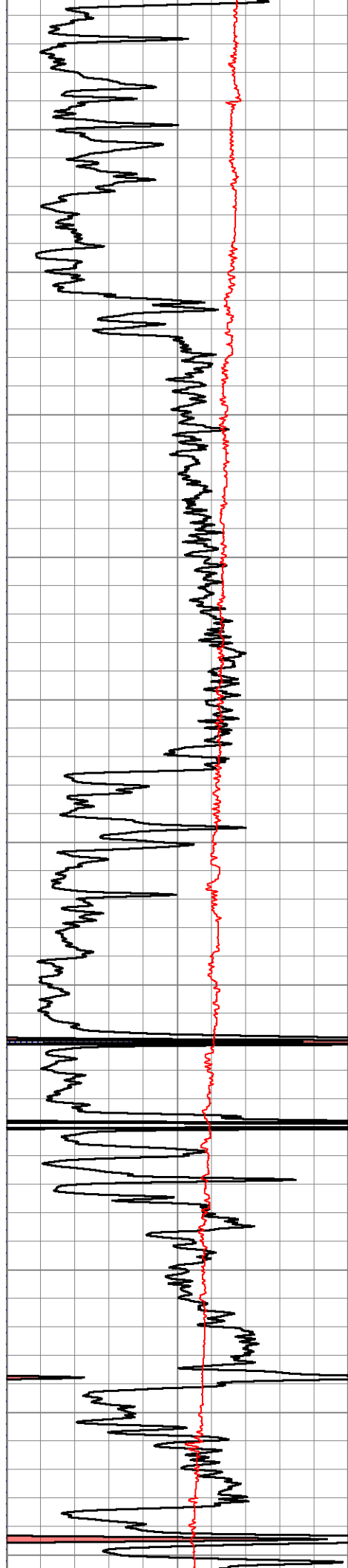
1.9

1.9

1.7

2.1





1900

2000

2100

2200

2300

2.3

2.1

2.2

1.5

1.7

2.3

2.4

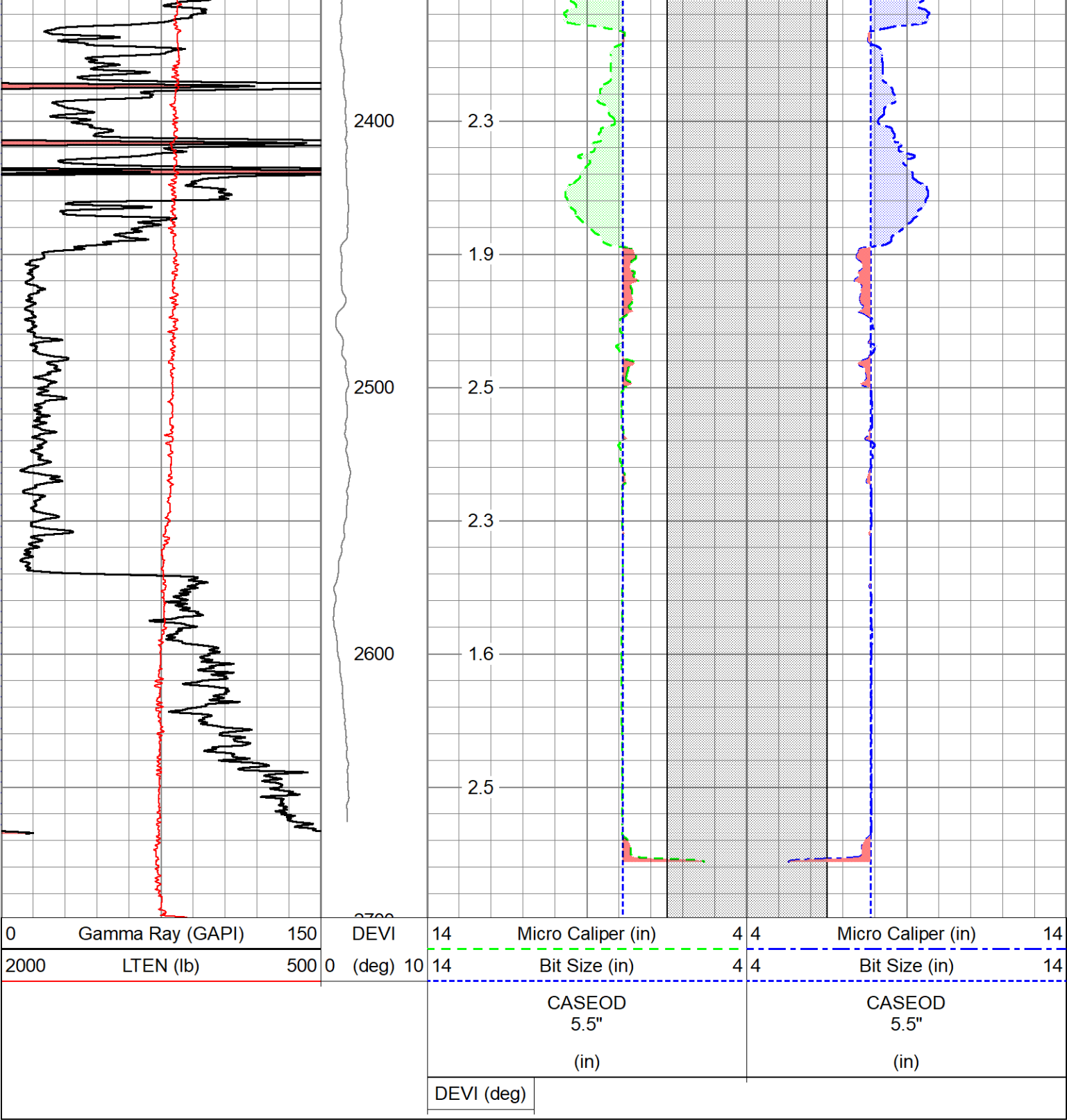
1.5

1.4

1.7

1.8





Calibration Report			
Database File	ow2-9178 c g drilling.db		
Dataset Pathname	pass4.5		
Dataset Creation	Sun Mar 12 08:52:16 2023		
Admyr Lithodensity Calibration Report			
	Serial-Model:	1D_GH-B	
	Source:	OW2 D-19	
	Master Calibration Performed:	Thu Feb 23 09:56:22 2023	
Master Calibration			
	Density	Far Detector	Near Detector

Magnesium	1.710	g/cc	6158.57	5420.43	cps
Aluminium	2.600	g/cc	1825.15	3867.04	cps
Aluminium+Sleeve	2.575	g/cc	1726.48	3562.39	cps
Spine Angle = 74.48			Density/Spine Ratio = 0.705		
	PE		NLITH	NHARD	
Magnesium	1.970	barn	4904.15	4748.60	cps
Aluminium	2.530	barn	1381.23	1596.41	cps
Aluminium+Sleeve	3.832	barn	1129.27	1545.38	cps
M = 0.811			B = -0.322	R = 0.993	
	Size		Reading		
Small Ring	5.75	in	4.45	V	
Large Ring	11.25	in	6.36	V	

Neutron Calibration Report

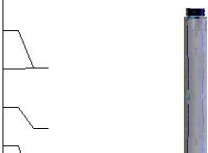
Serial Number:	ADMYR1				
Tool Model:	ADDON				
Performed:	Sat Feb 11 13:29:01 2023				
Calibrator Values:	0	30			
Calibrator Readings:	780	280	cps		
Sensitivity:	-0.06	/cps			

Inclinometer Calibration Report

Performed:	Thu Oct 8 13:57:38 2020				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	Refurb01				
Tool Model:	OSAGE_01				
Performed:	Mon Jan 18 09:02:16 2021				
Calibrator Value:	150.0	GAPI			
Background Reading:	125.0	cps			
Calibrator Reading:	875.0	cps			
Sensitivity:	0.2000	GAPI/cps			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	17.83		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
ACCX	17.83					
GR	16.65					
FRAMES	15.33					

SP CILD	10.92 10.92		DIL-G (080402 (PINK TOOL)) Gearhart	21.33	4.00	290.00
CILM	7.00					
RLL3	1.65					
TR_Mon	0.00					
Dataset: ow2-9178 c g drilling.db: field/well/run1/pass3.18 Total length: 32.23 ft Total weight: 480.00 lb O.D.: 5.13 in						