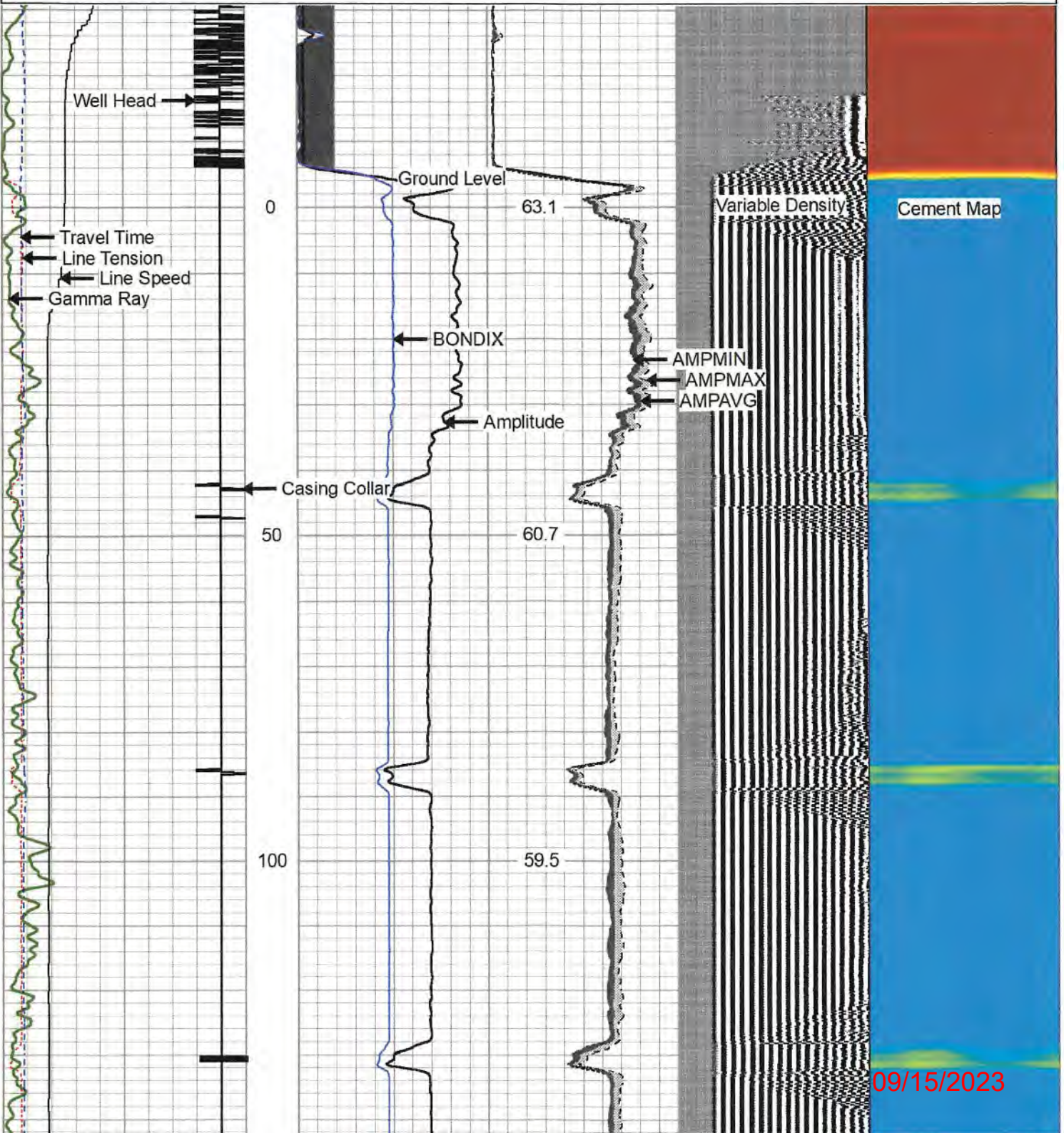
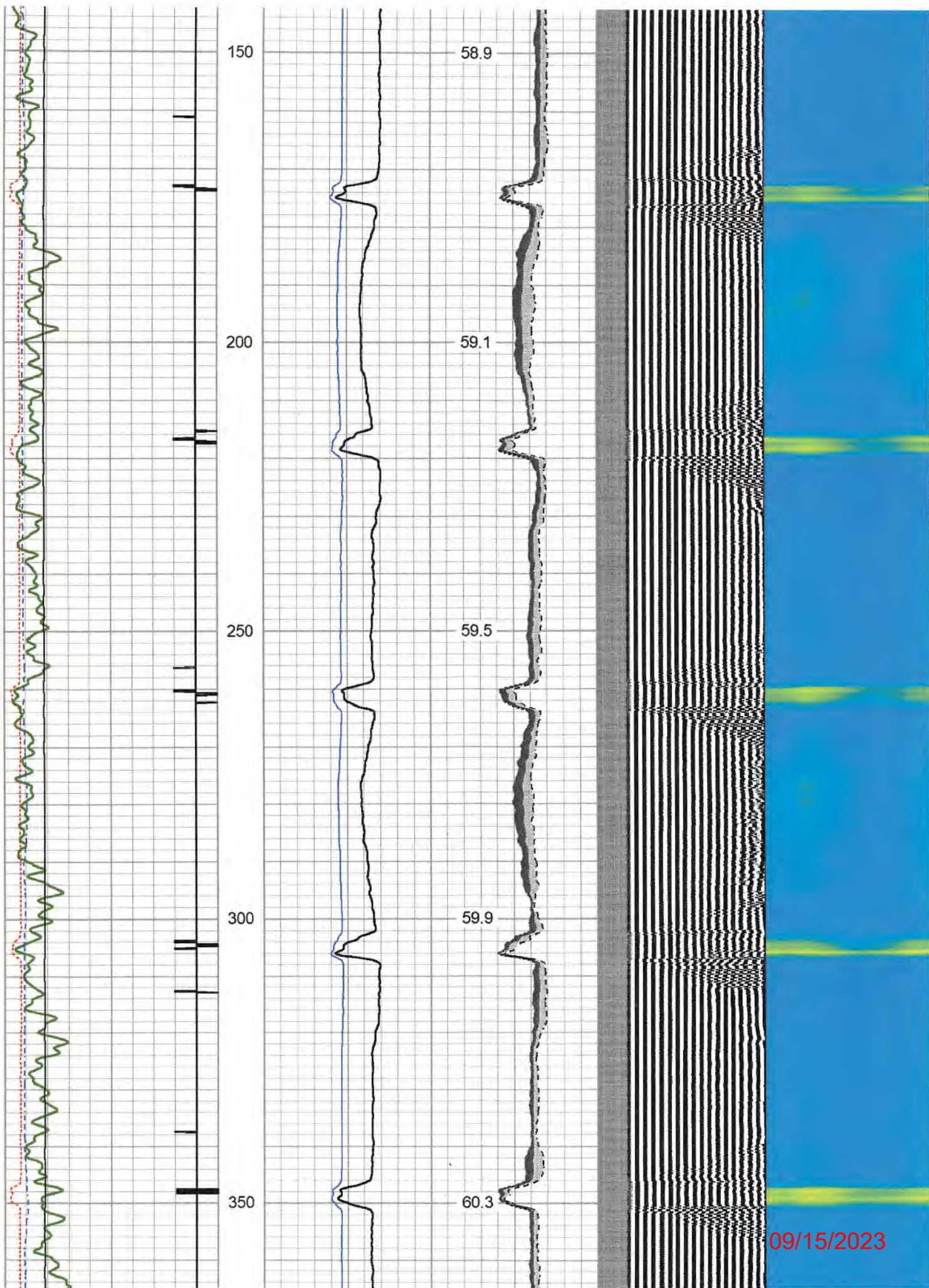




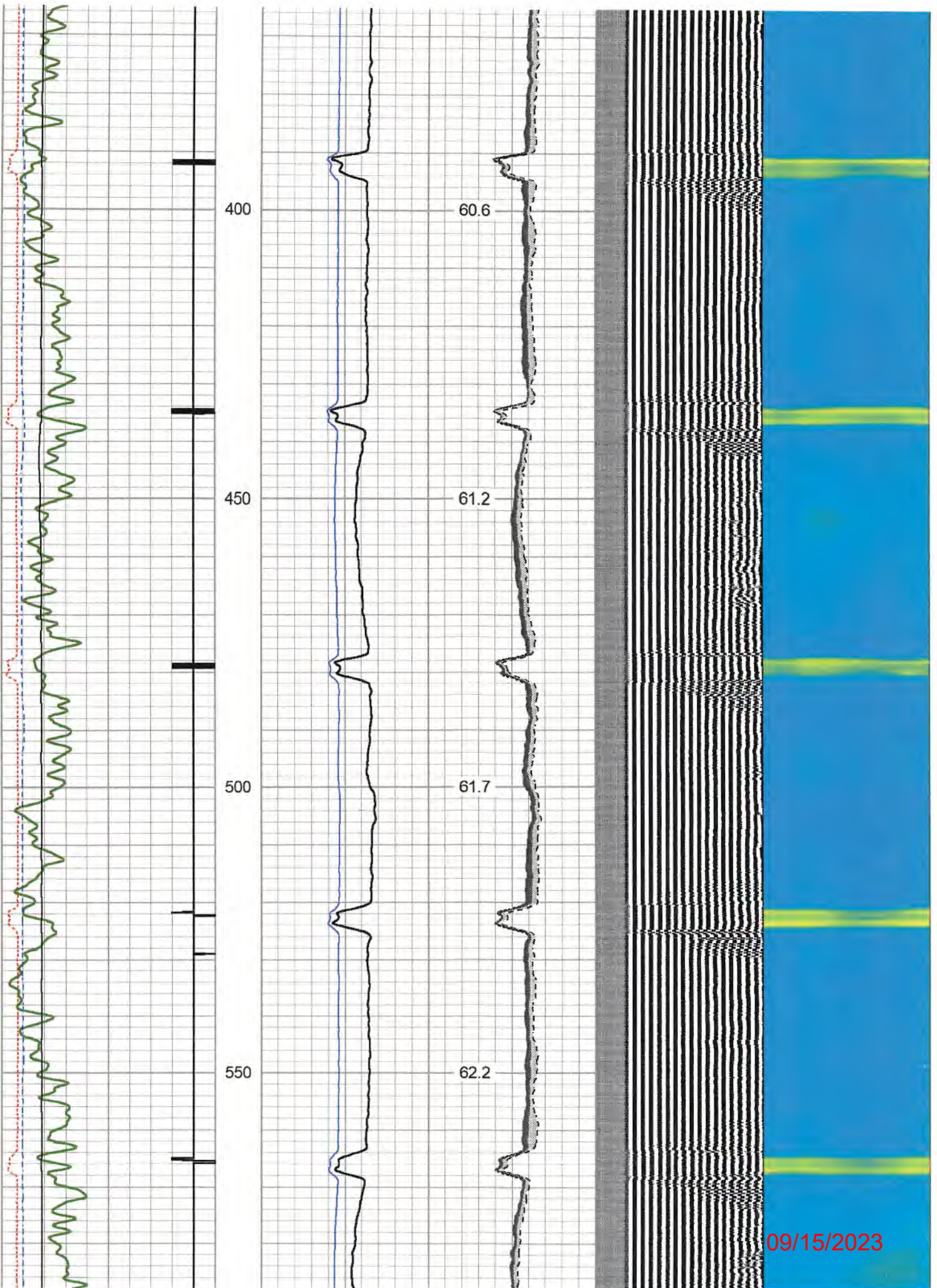
Database File antero\_clutter\_2h\_rcbl\_15\_sep\_2022.db  
 Dataset Pathname clutter\_2H/run1/pass6  
 Presentation Format rcbl-bond index 1020  
 Dataset Creation Fri Sep 16 02:54:24 2022  
 Charted by Depth in Feet scaled 1:240

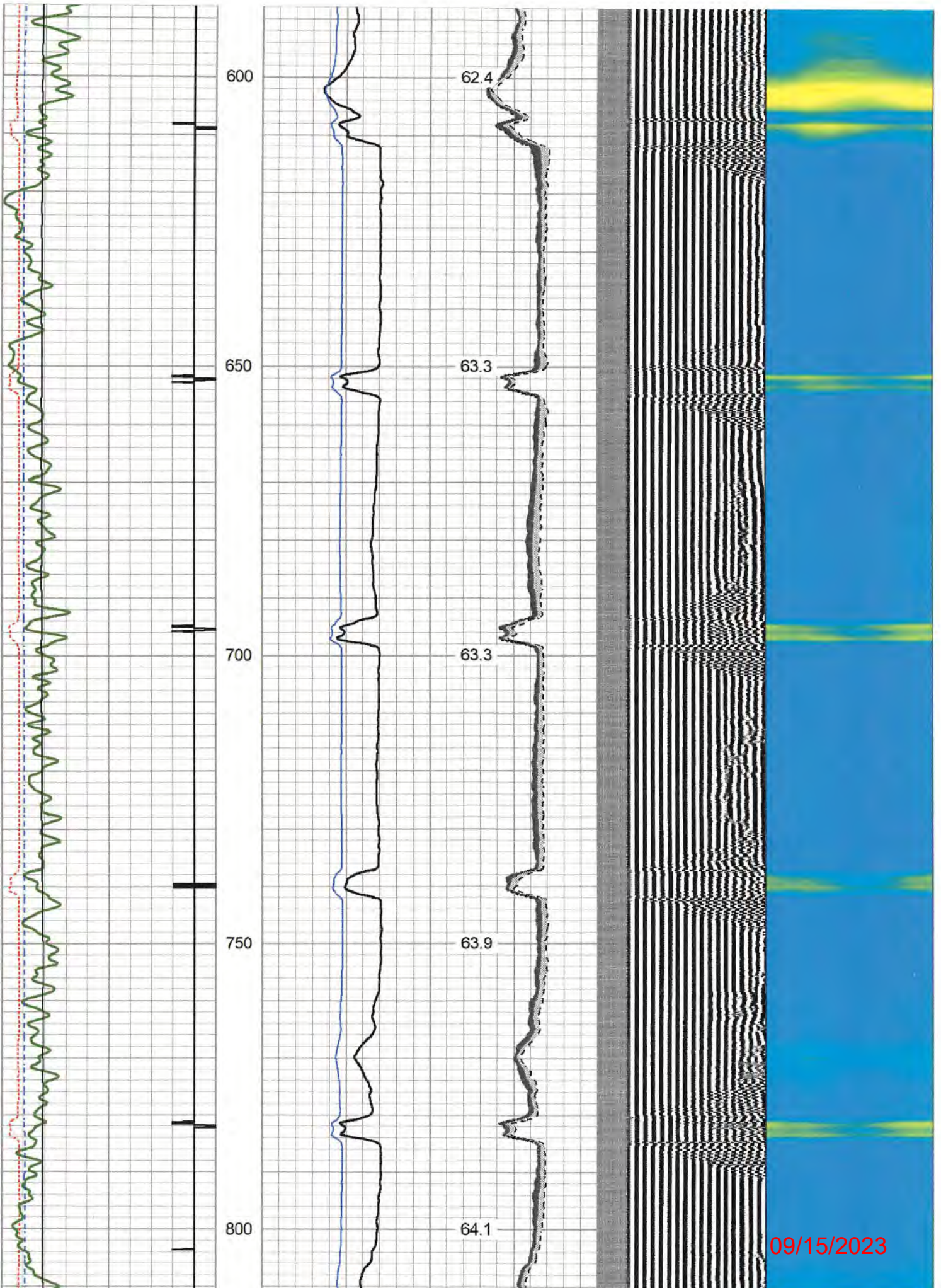
270	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed						TEMP					
-200	(ft/min)	200					(degF)					
0	Line Tension (lb)	3000										



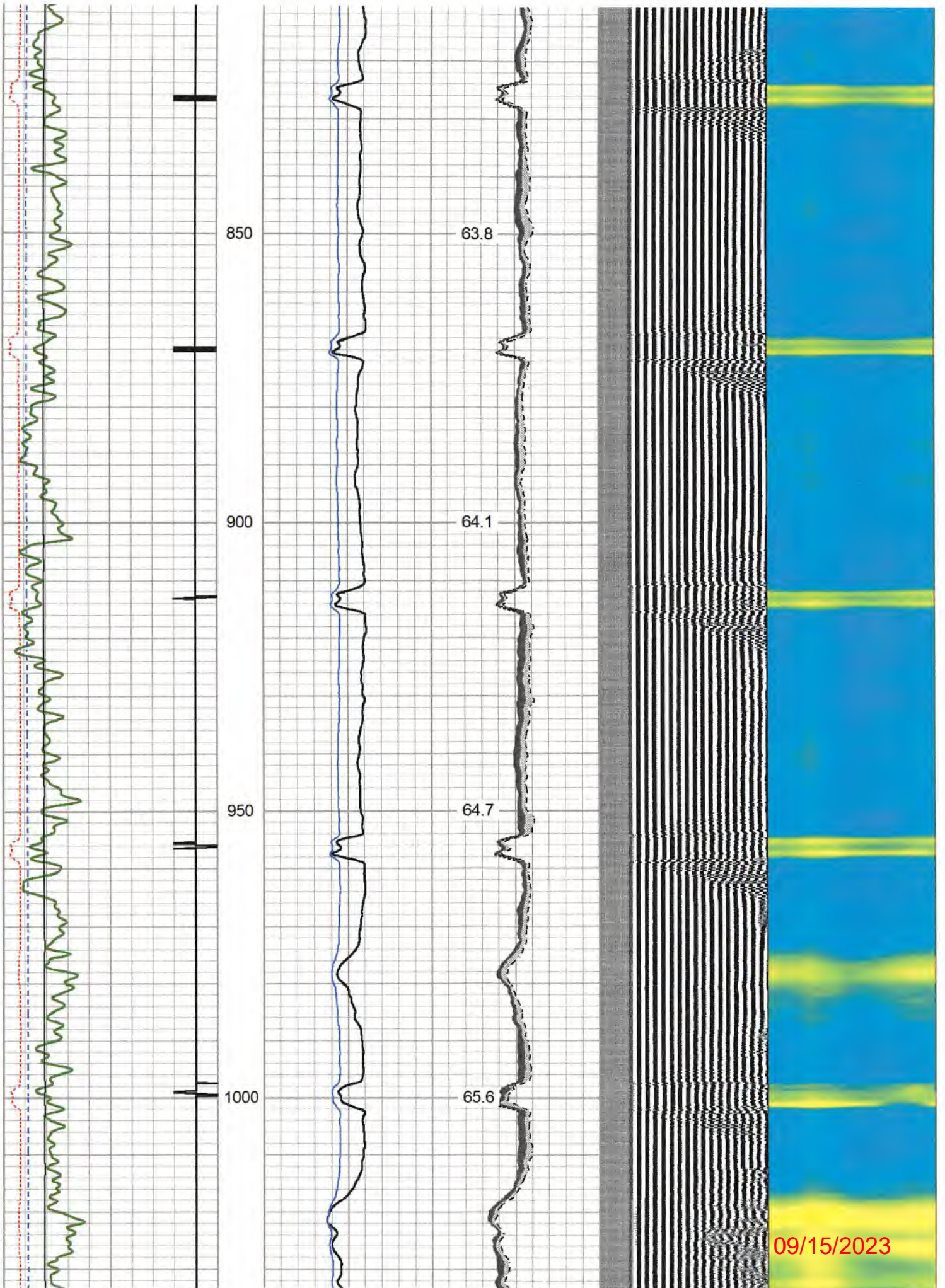


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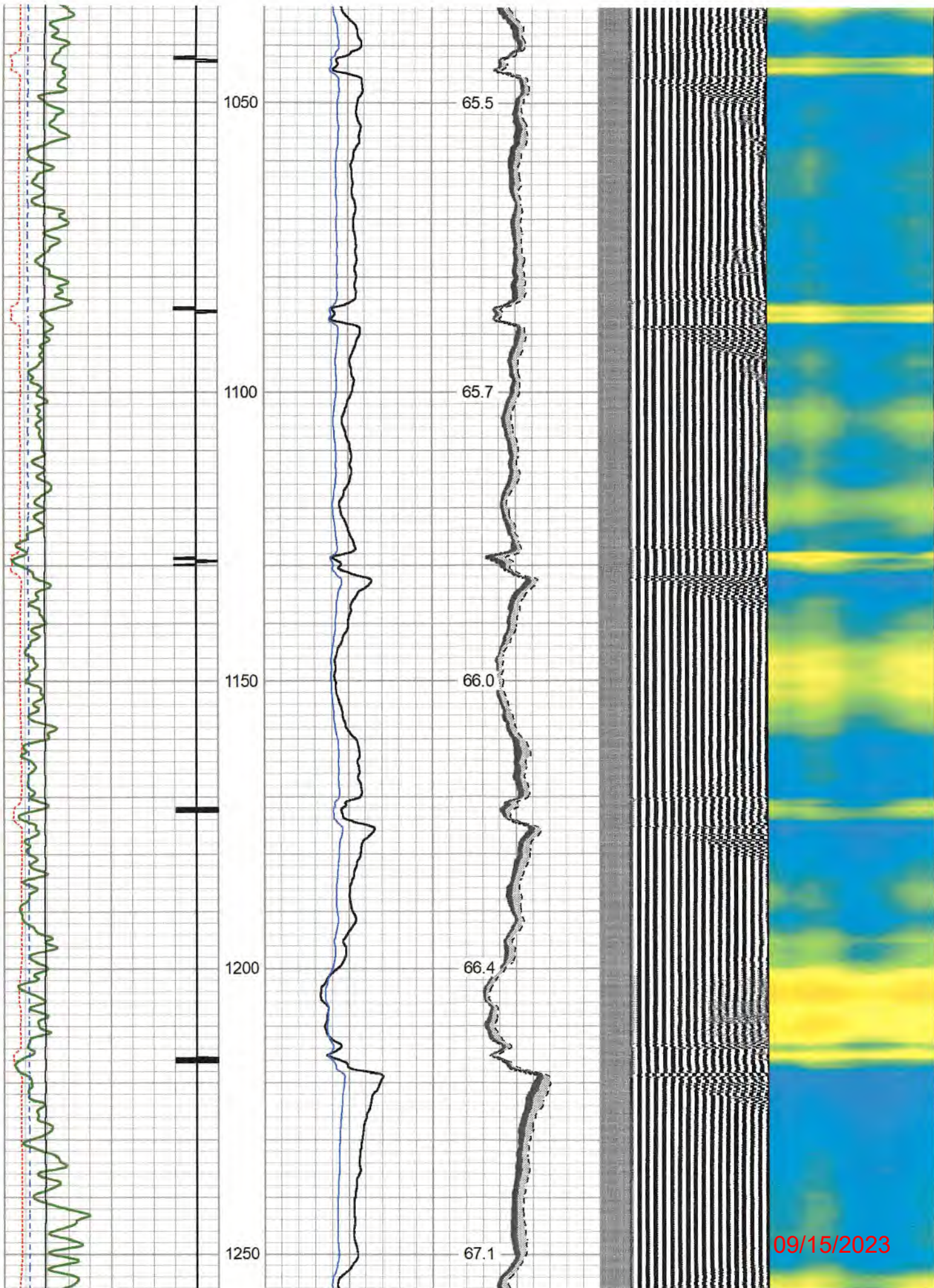


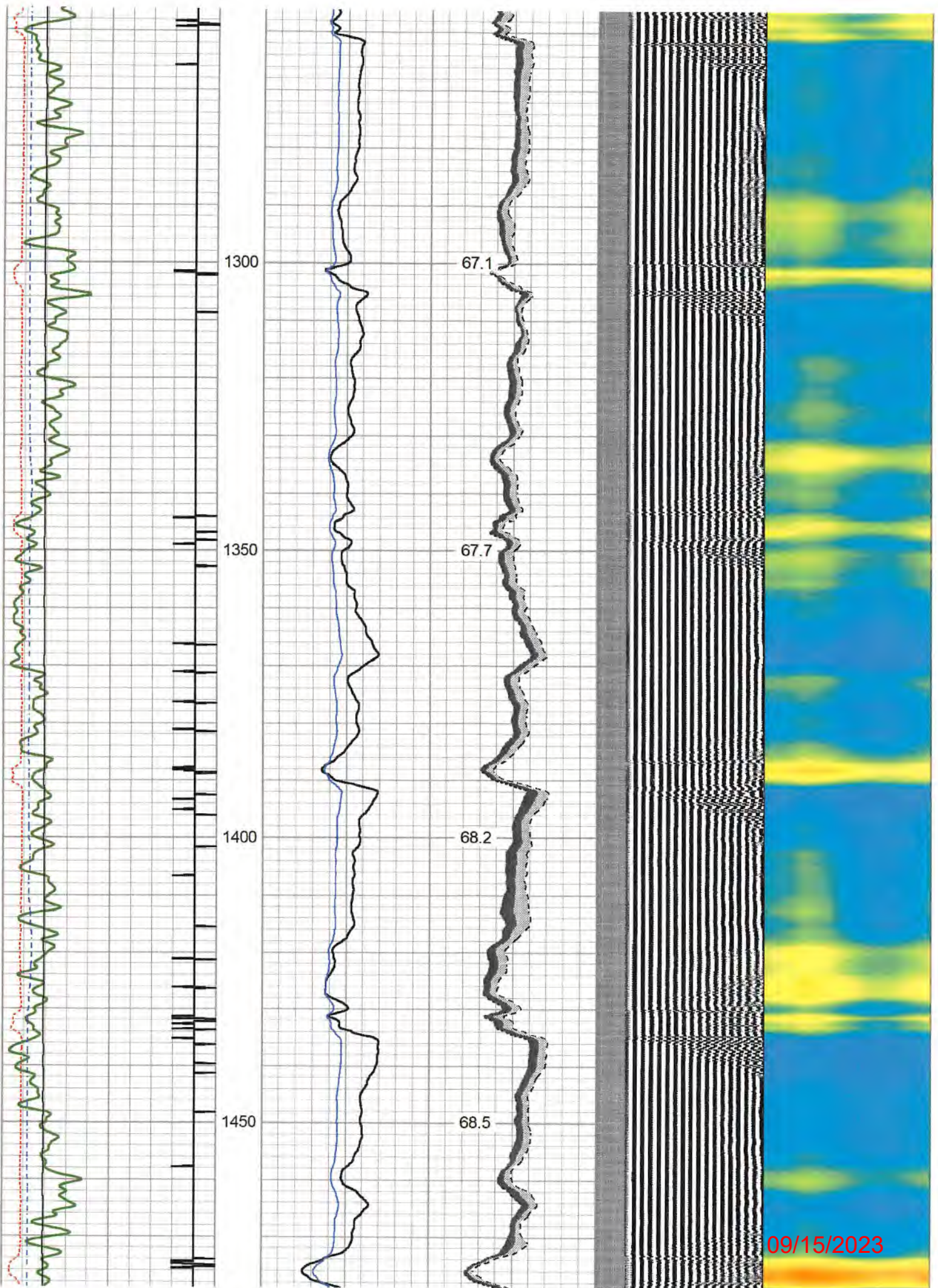


09/15/2023

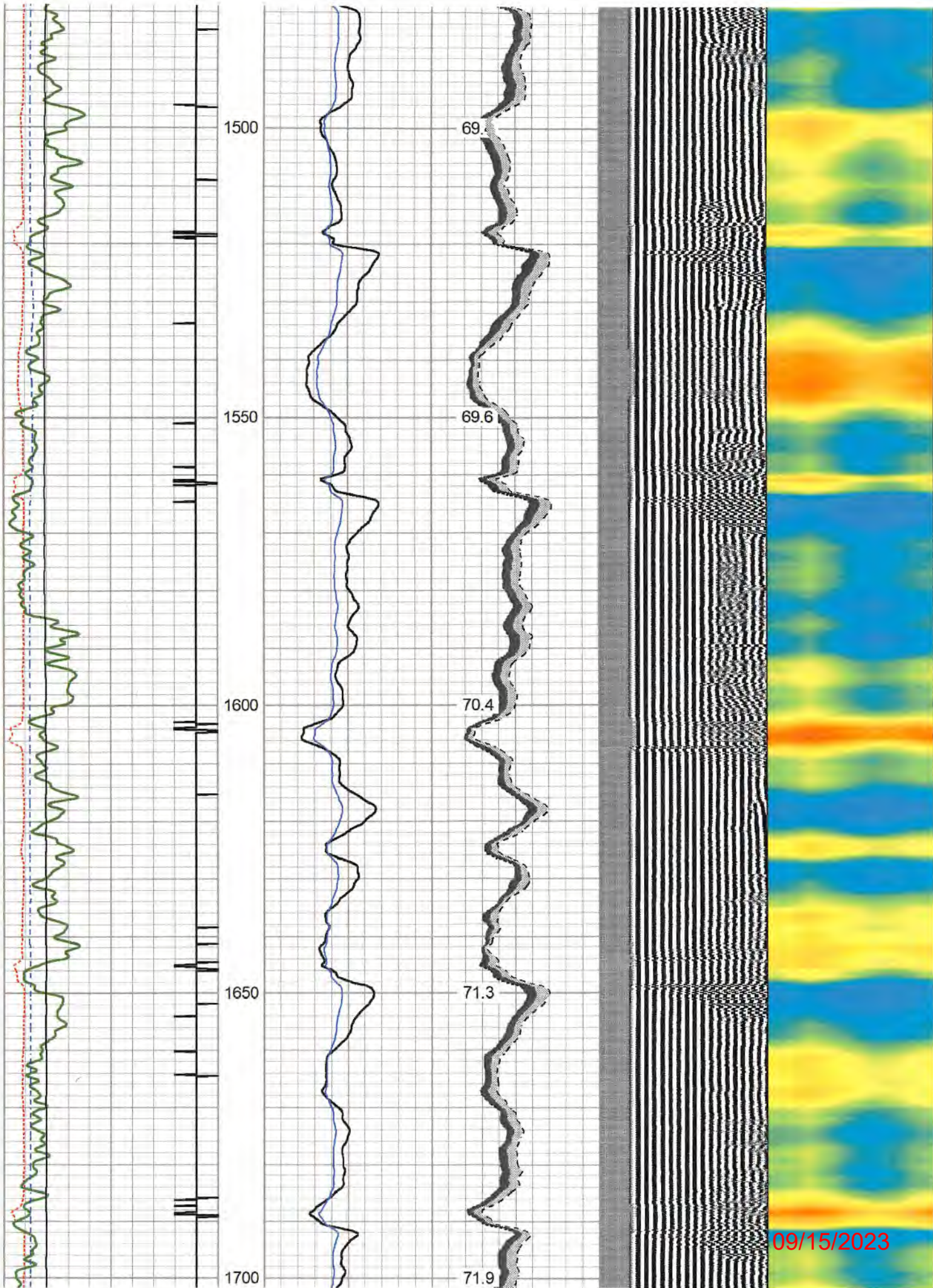


09/15/2023

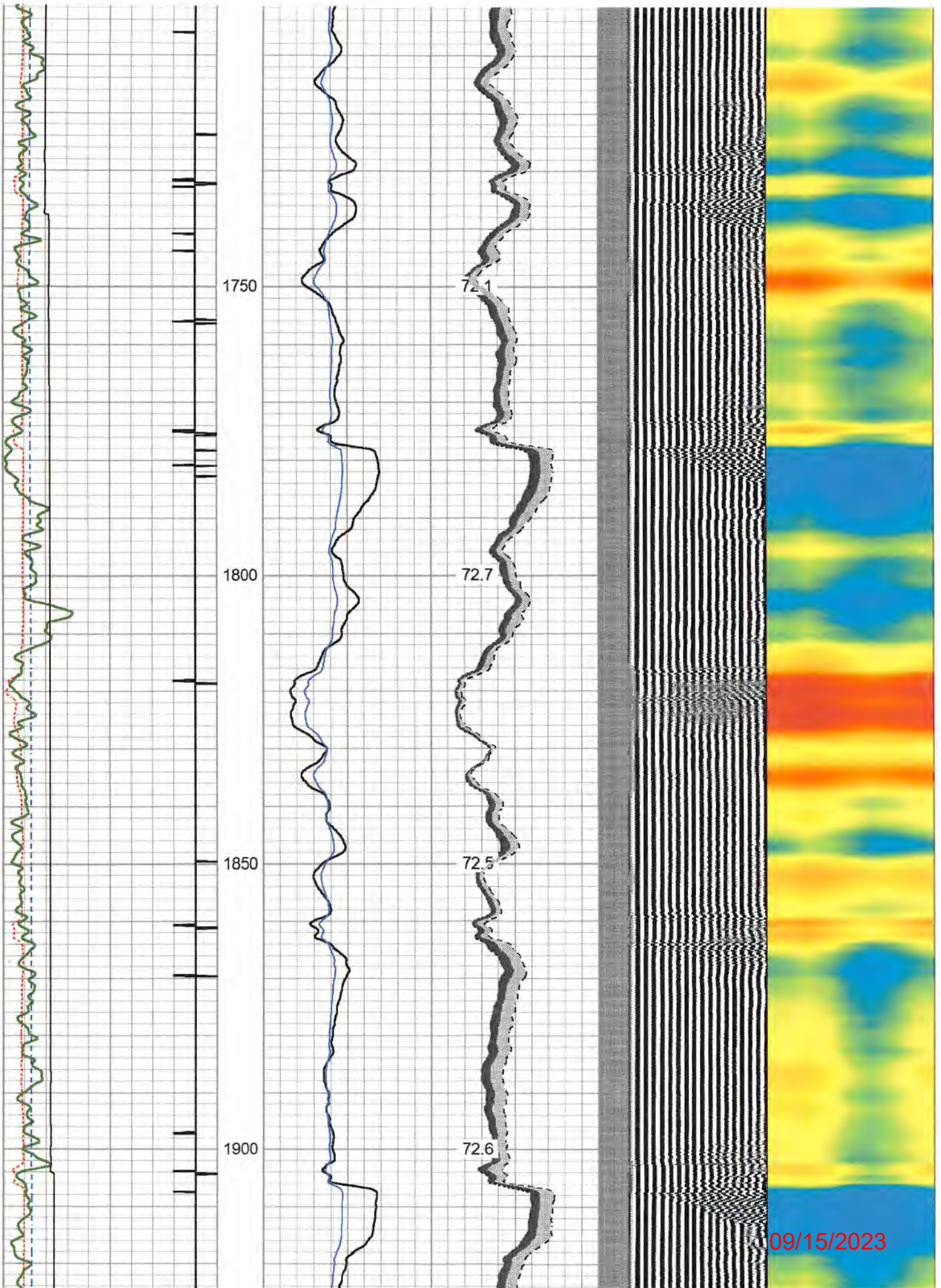


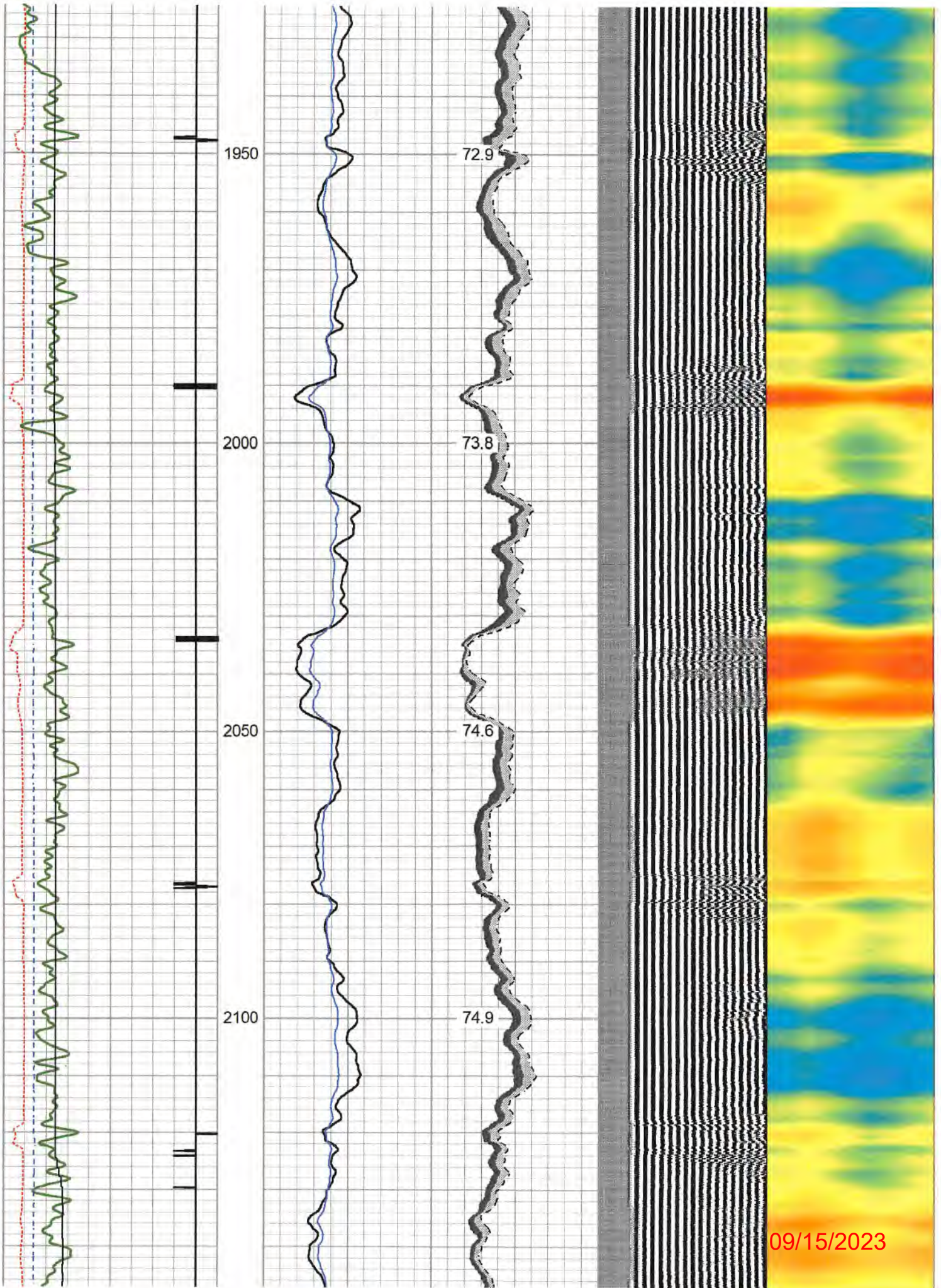


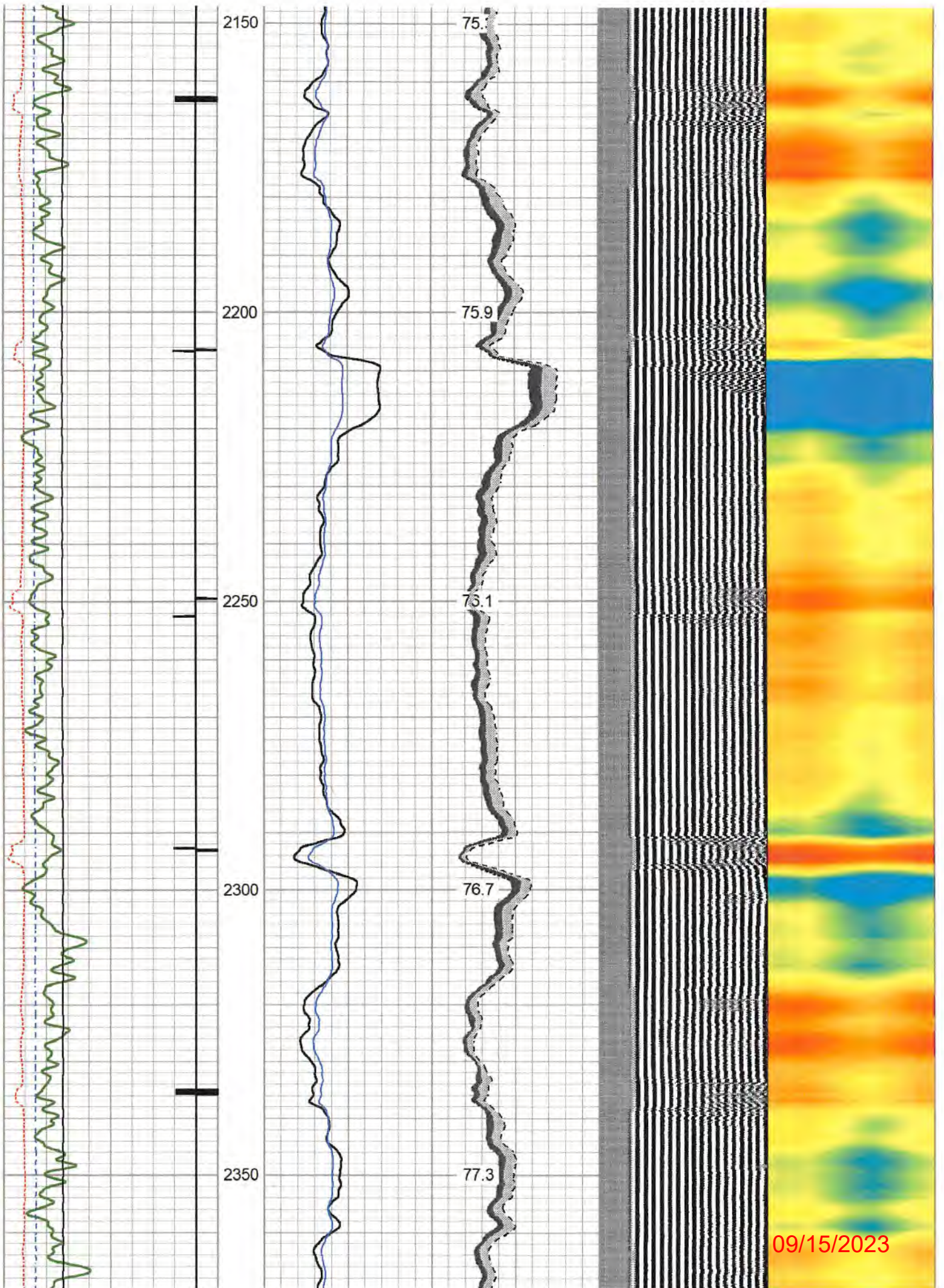


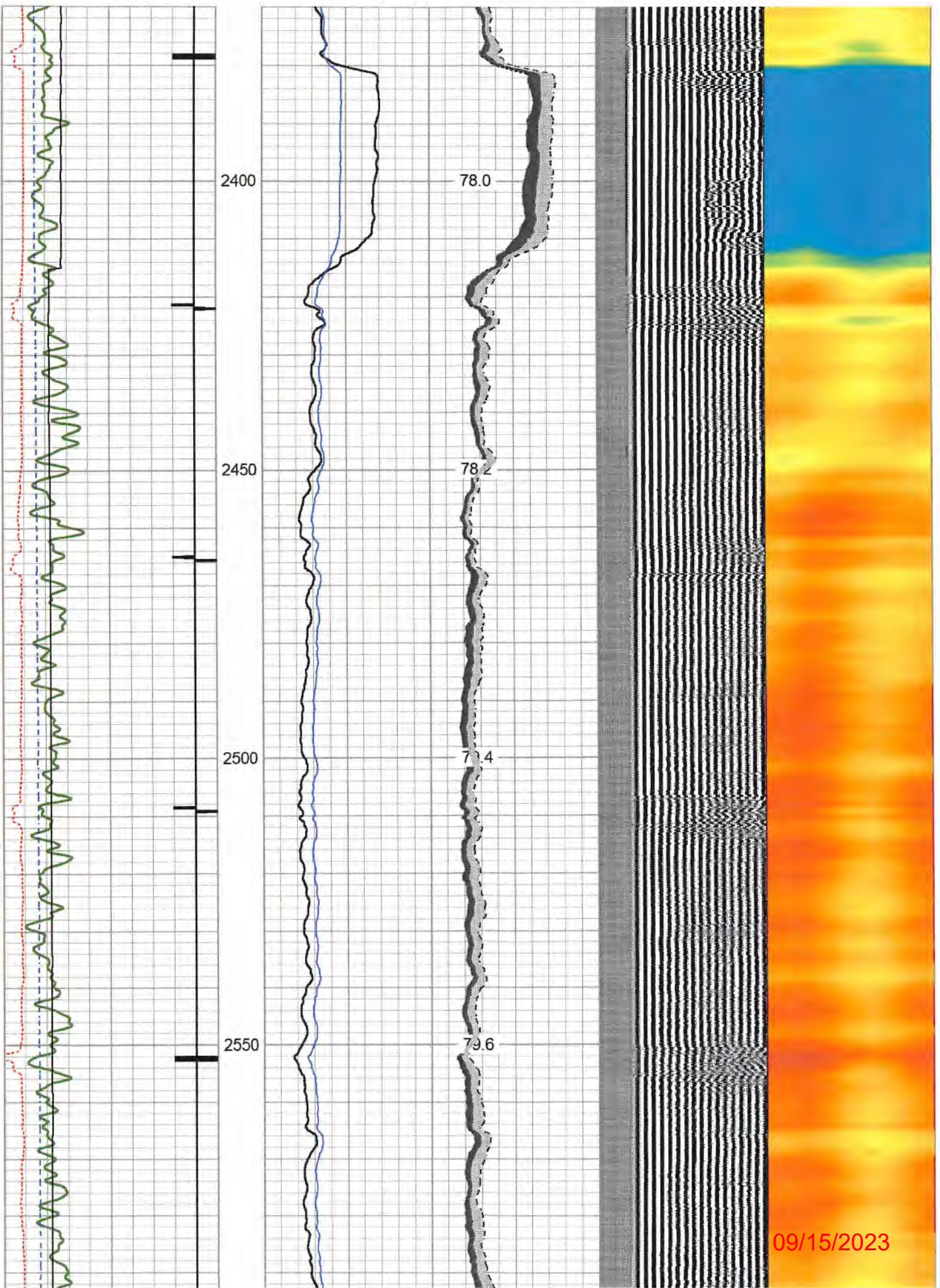


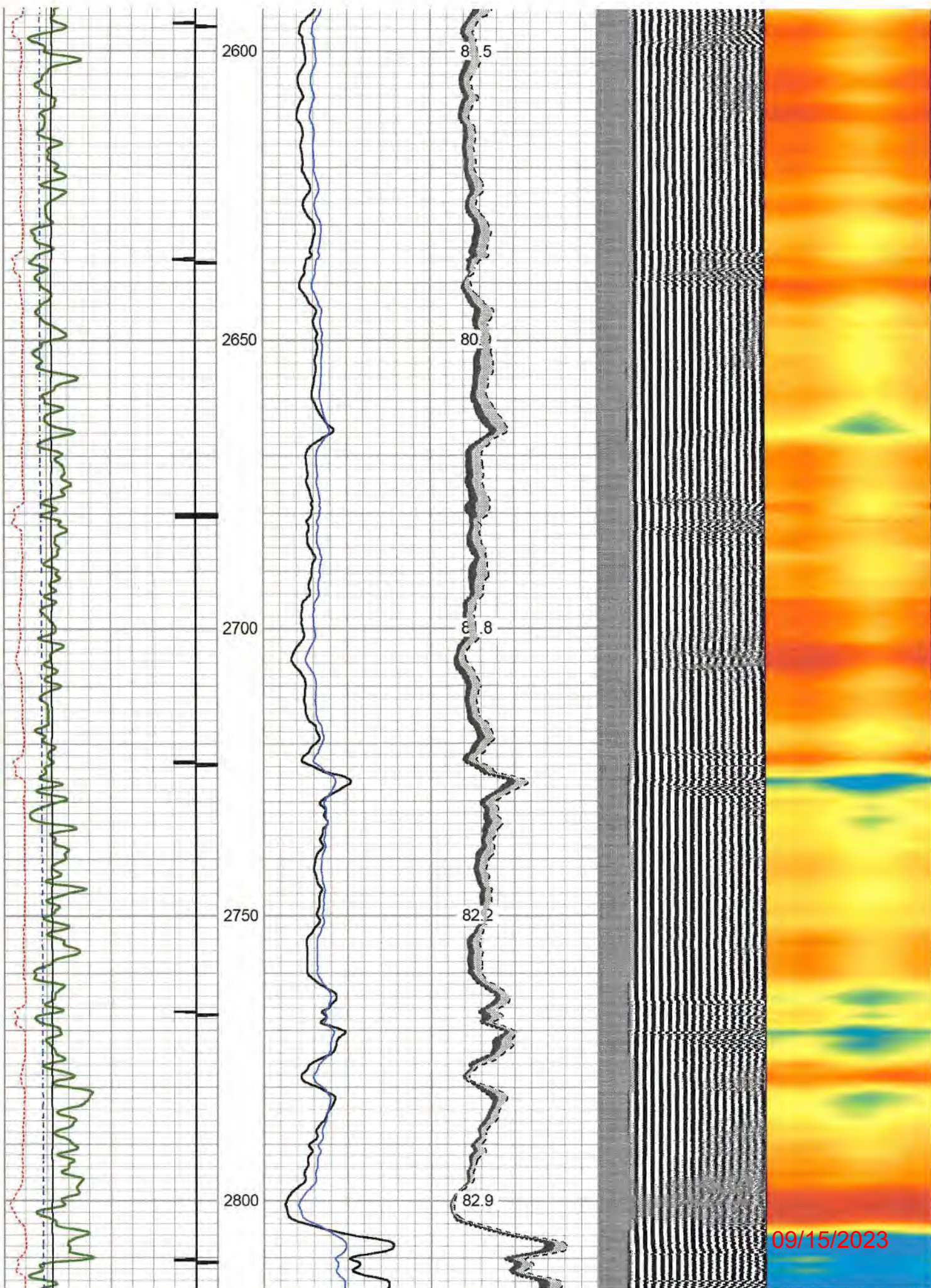
09/15/2023

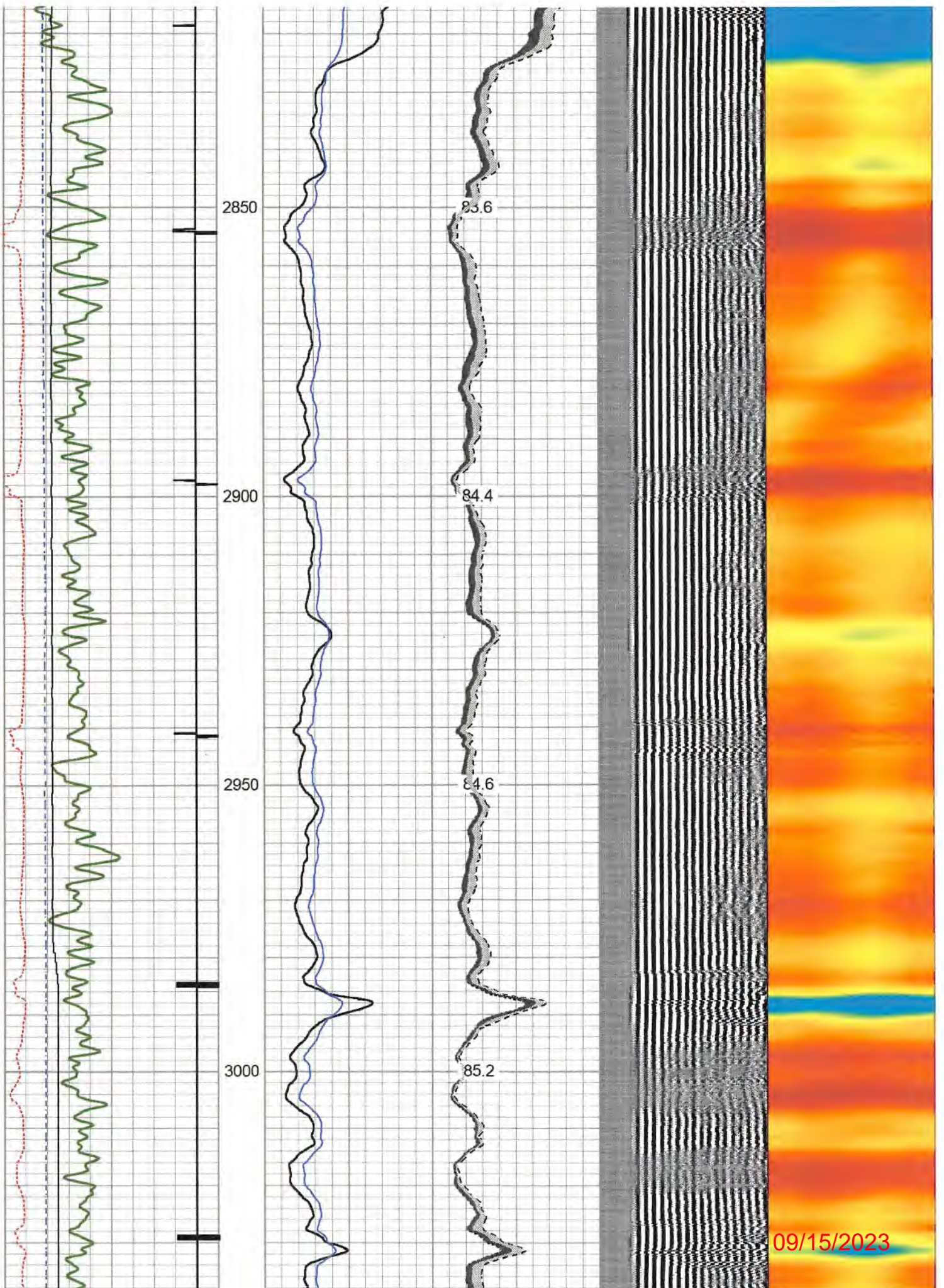


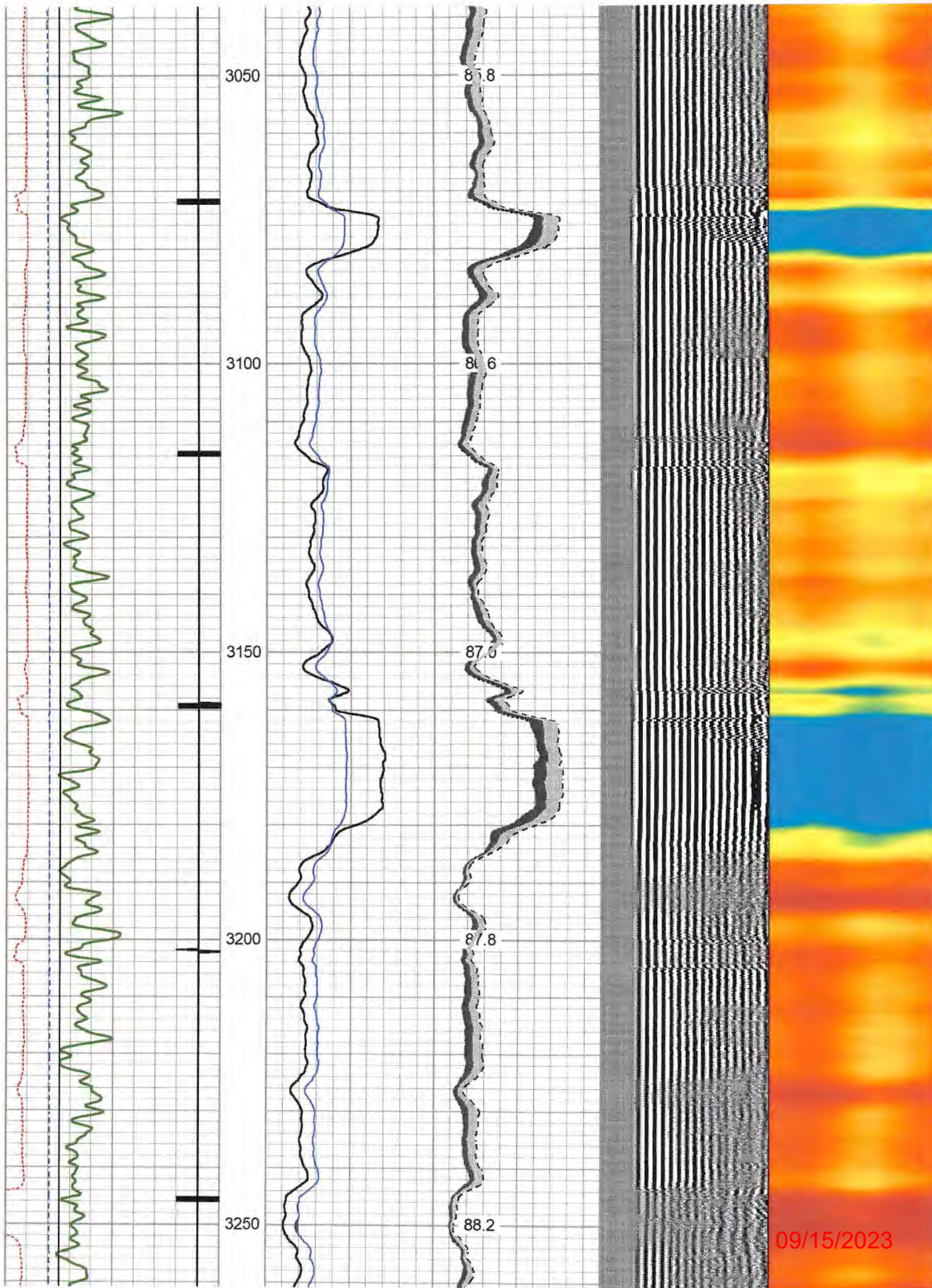




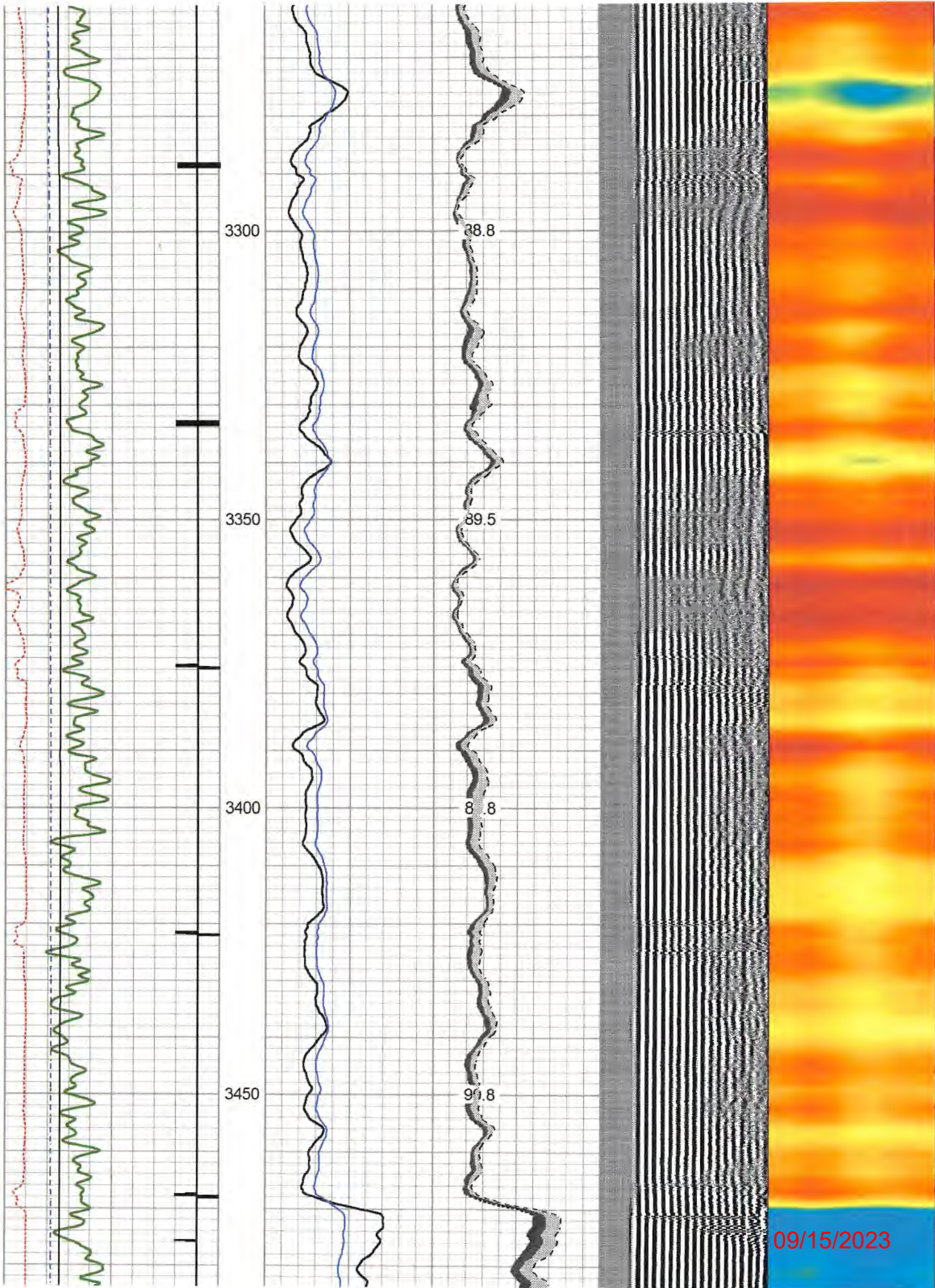


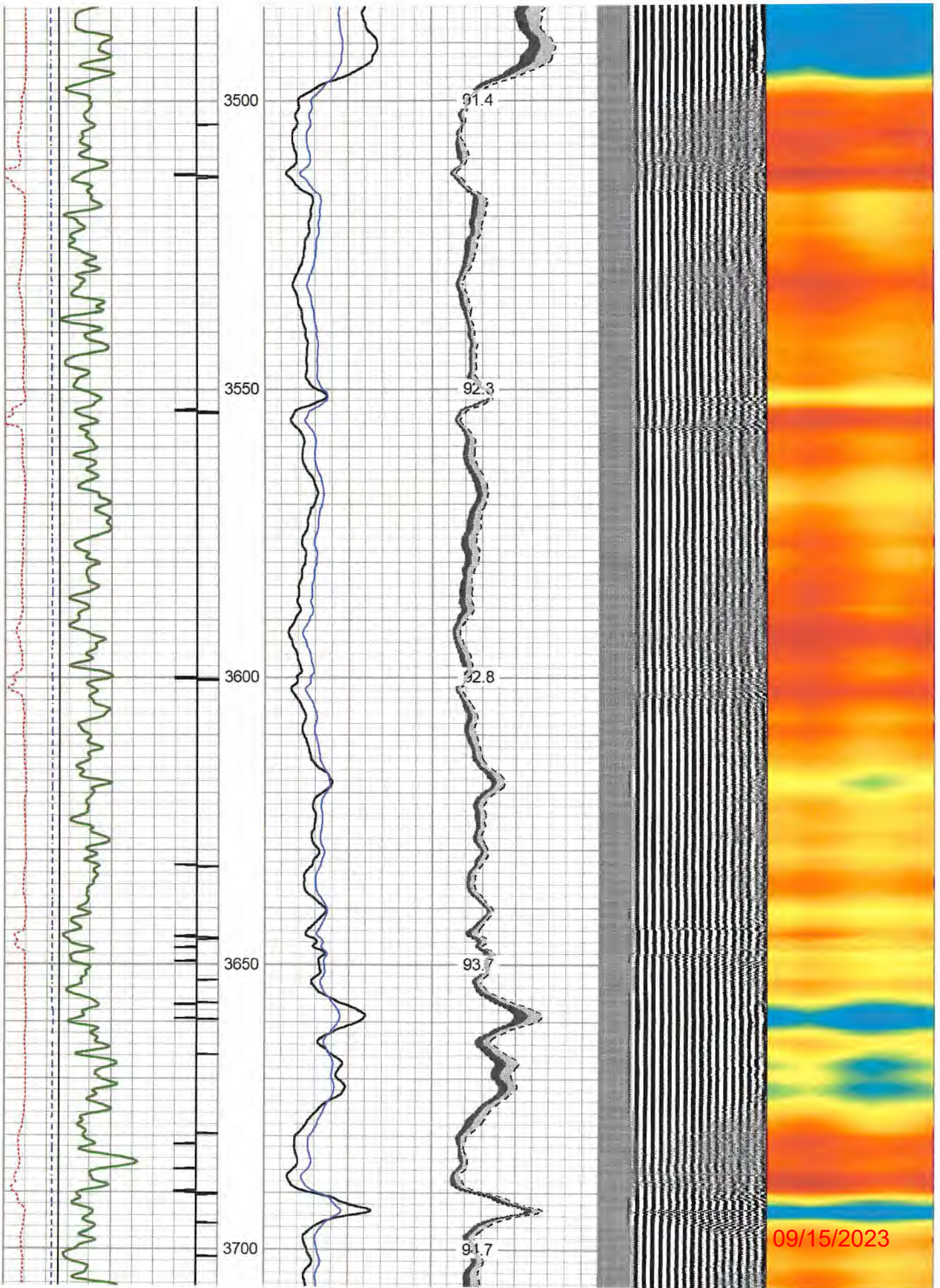


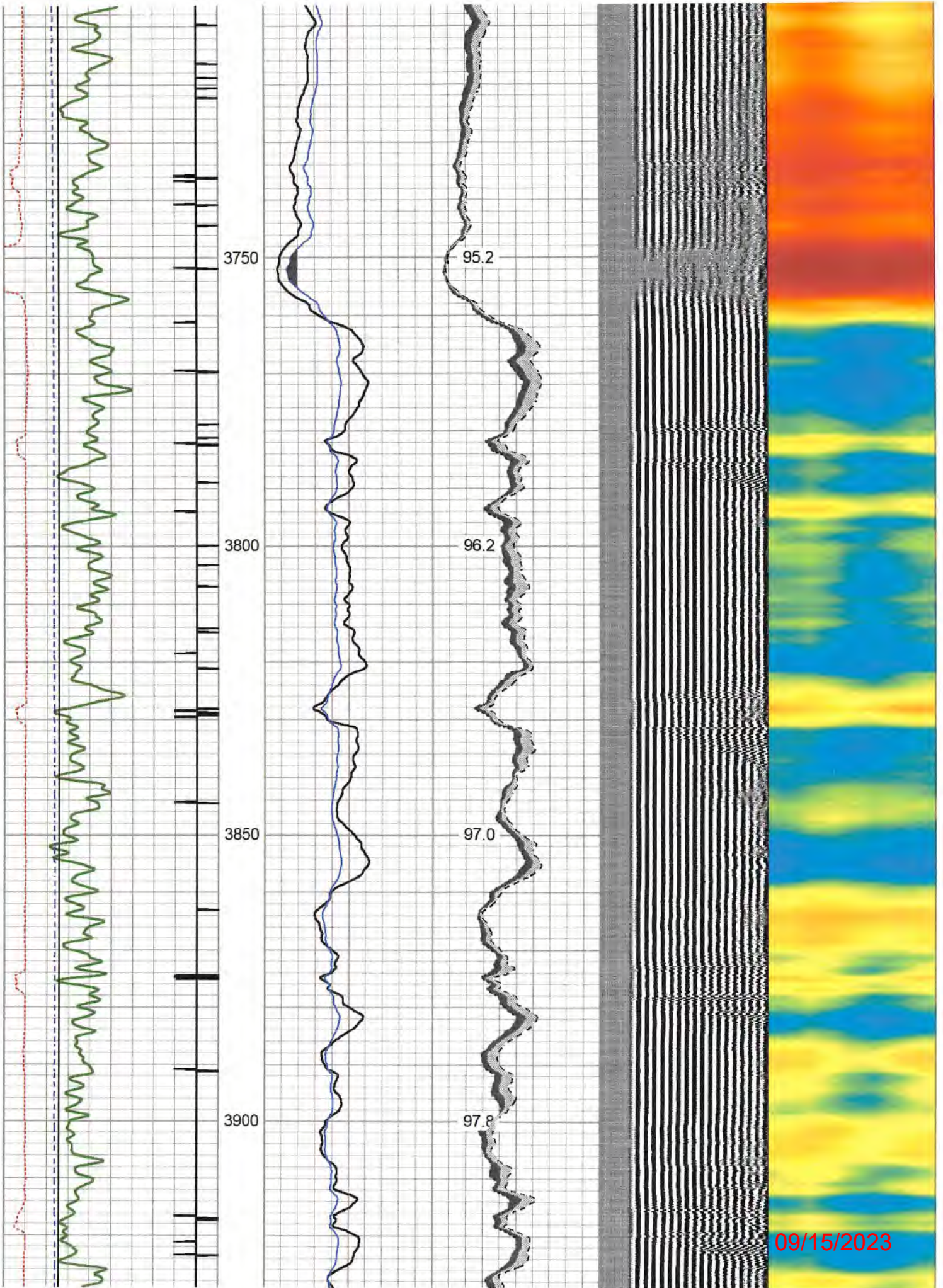




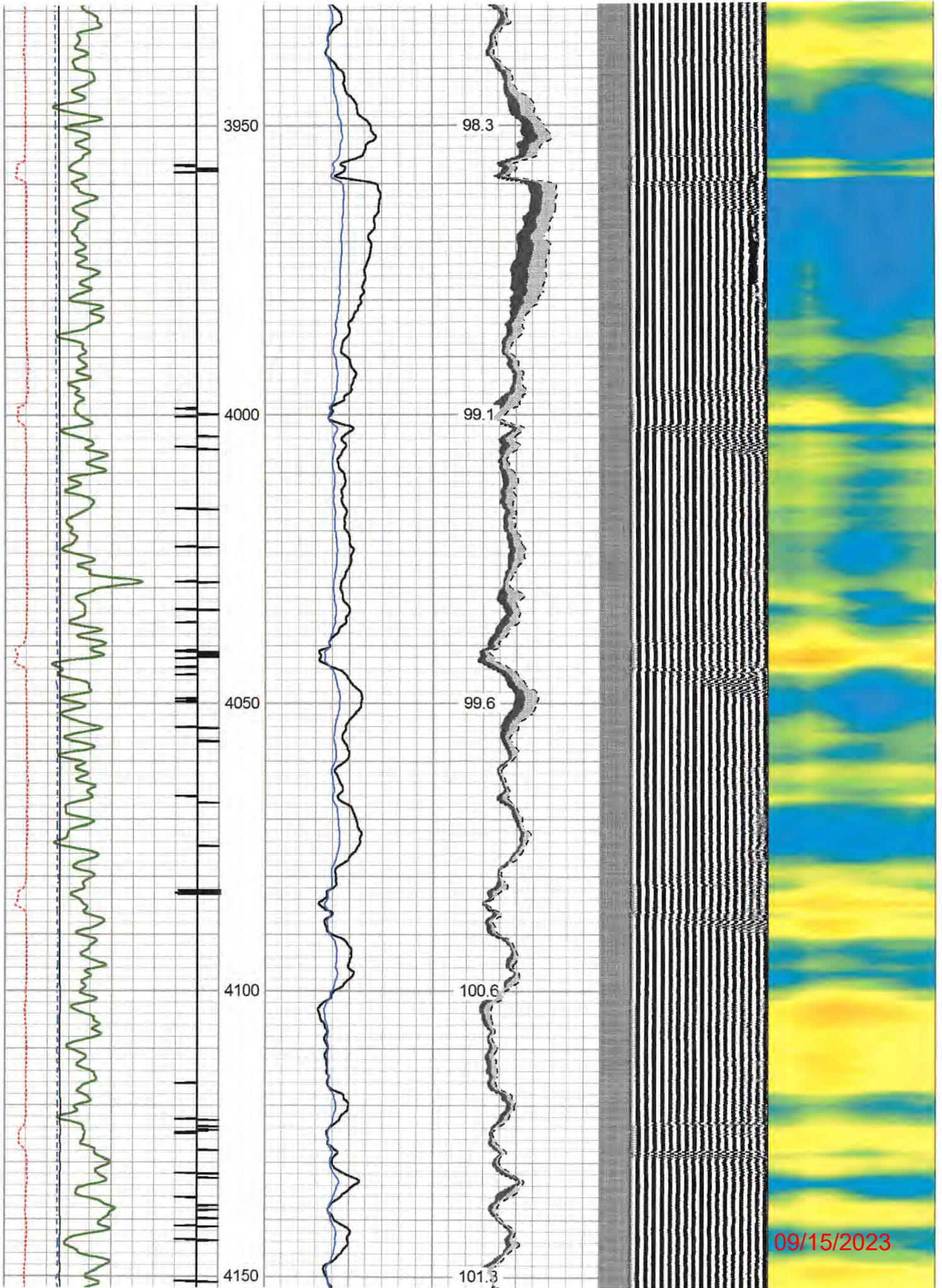




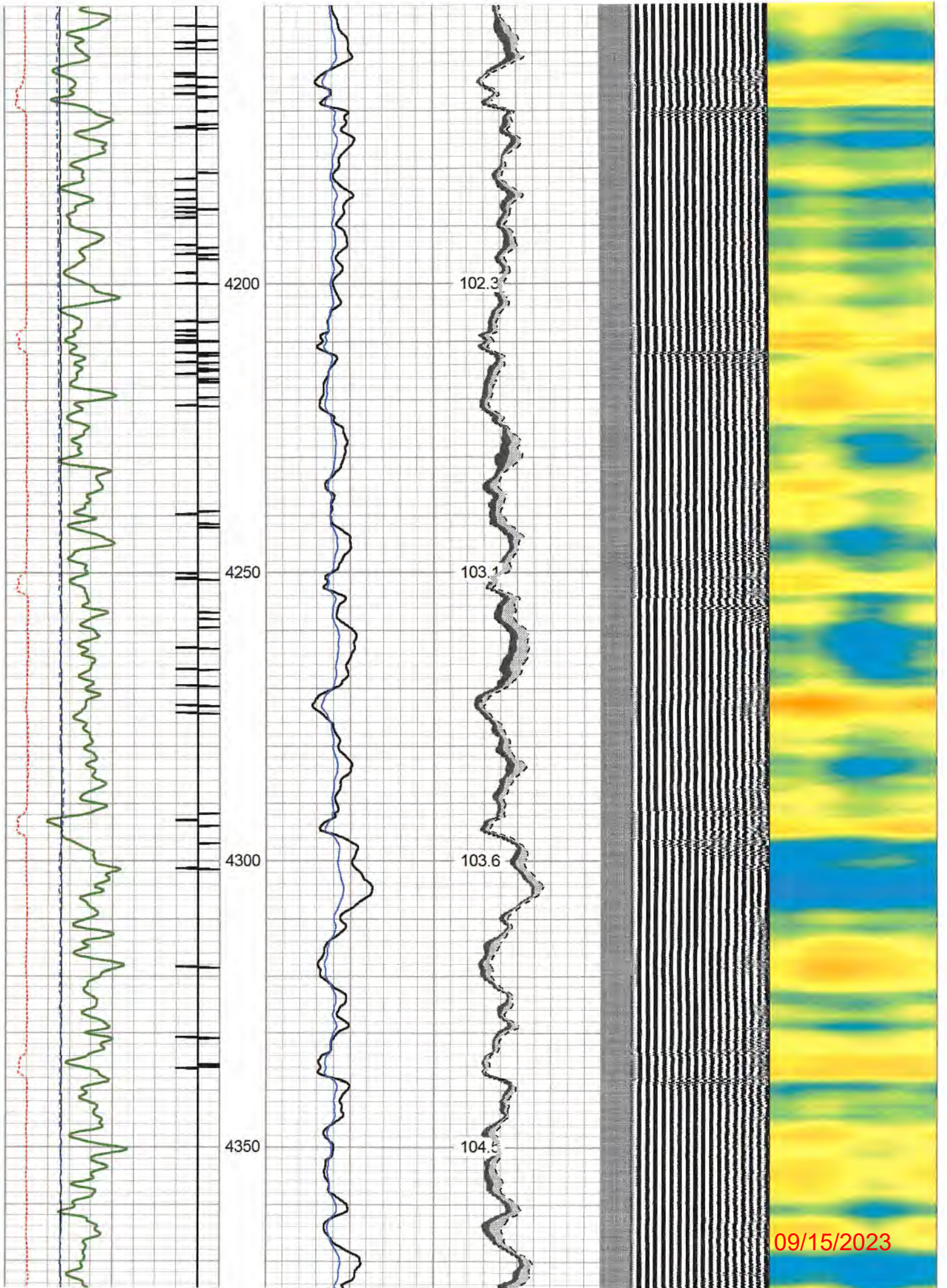


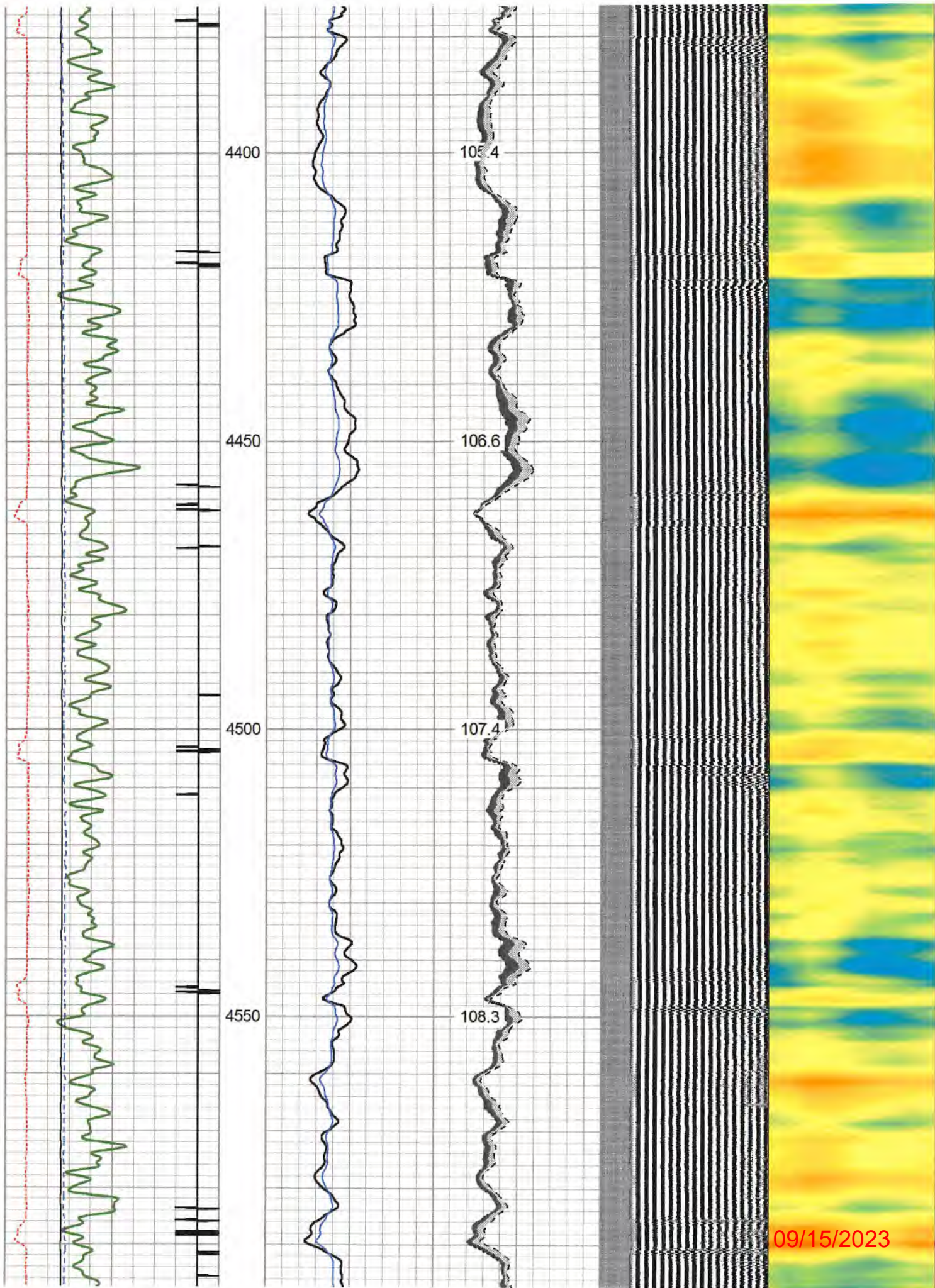


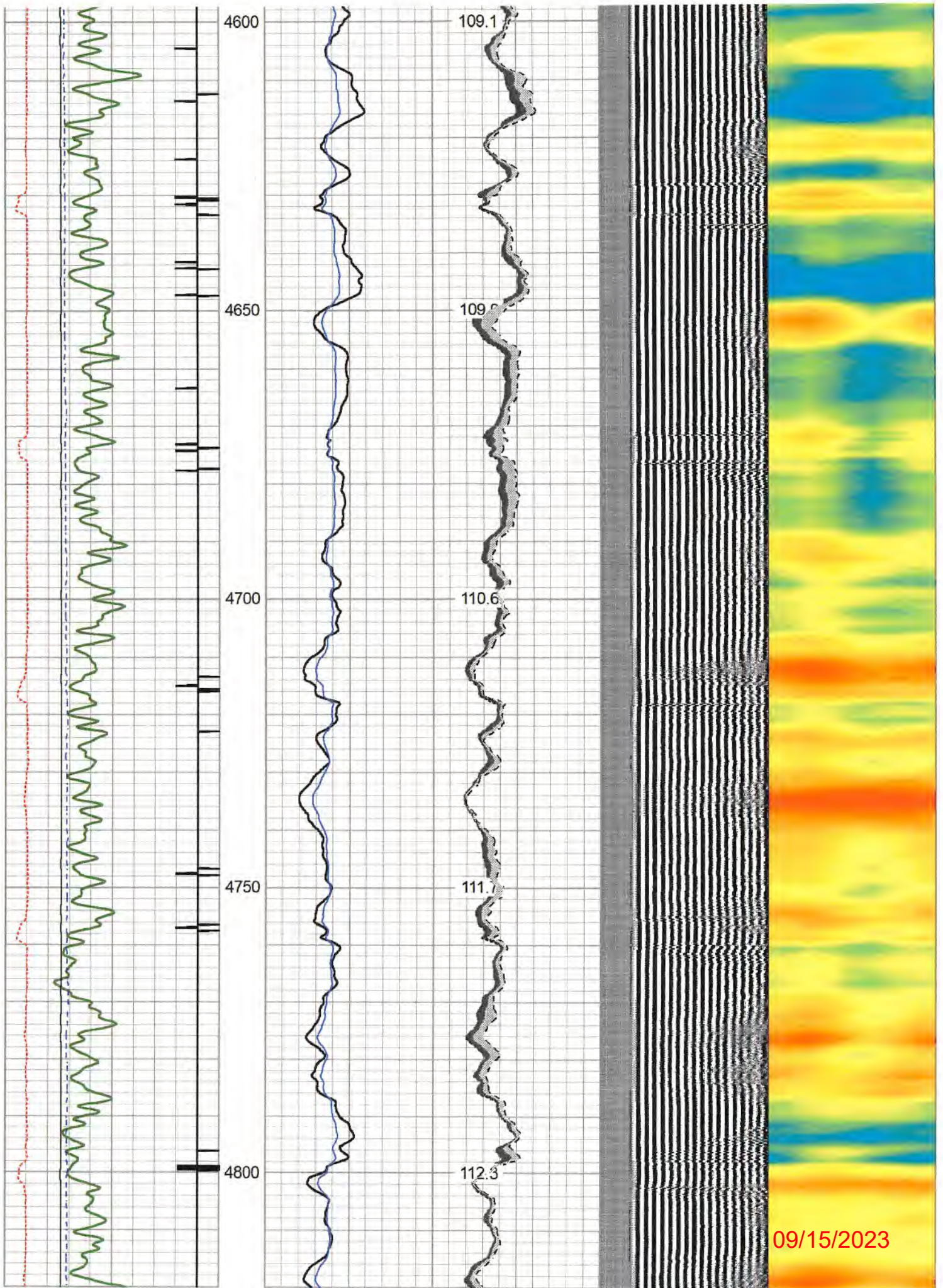
09/15/2023



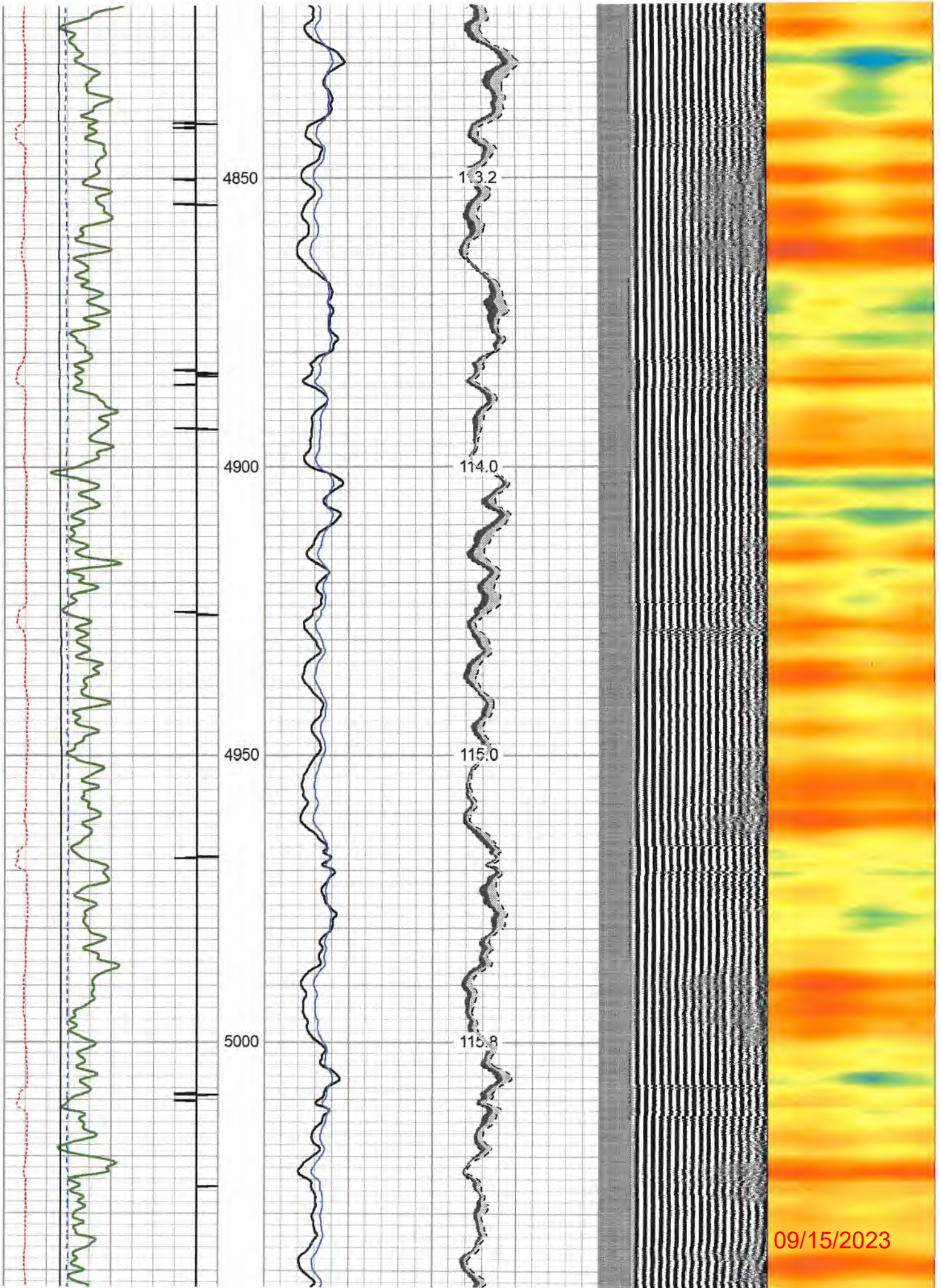
09/15/2023





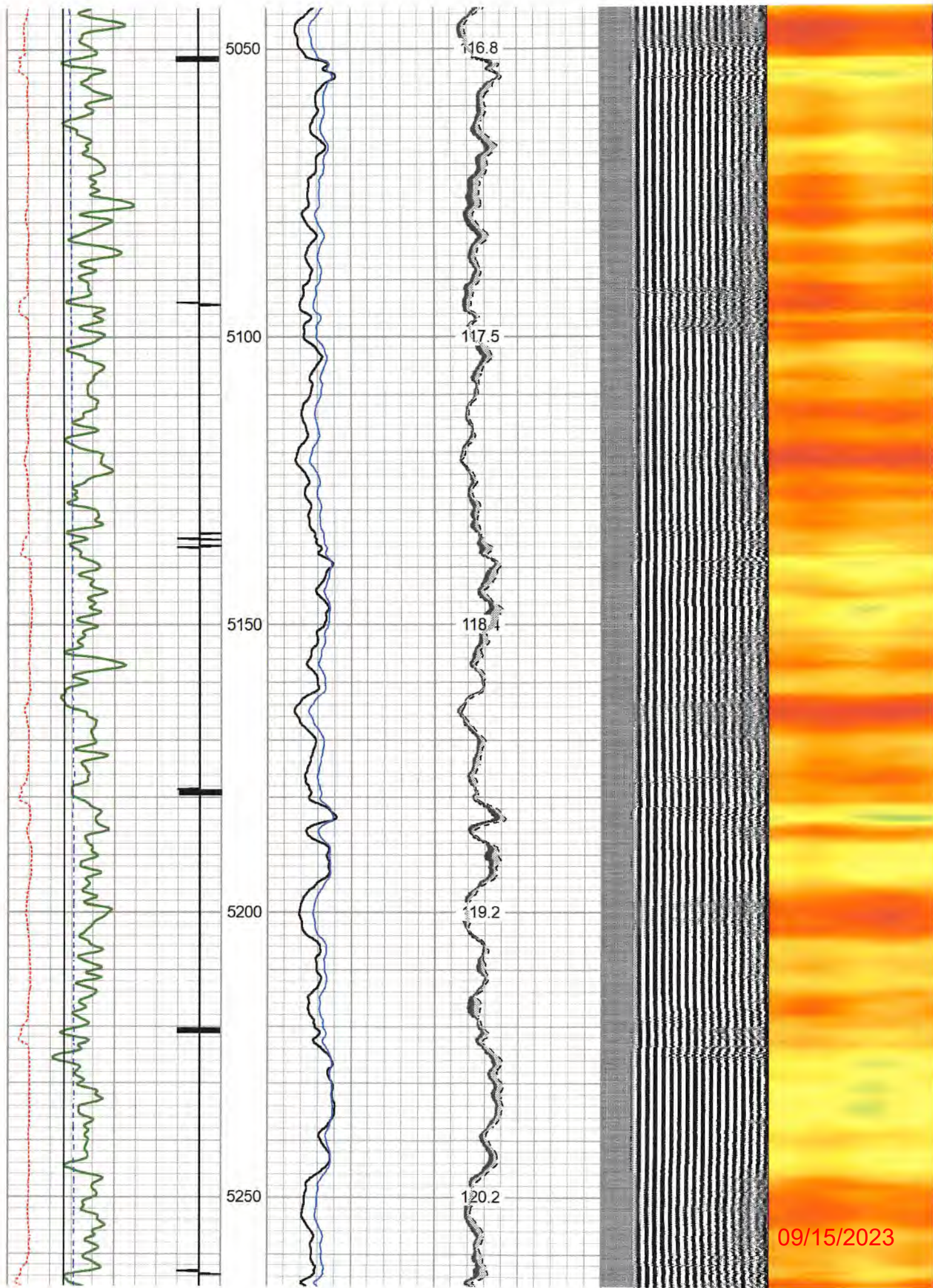


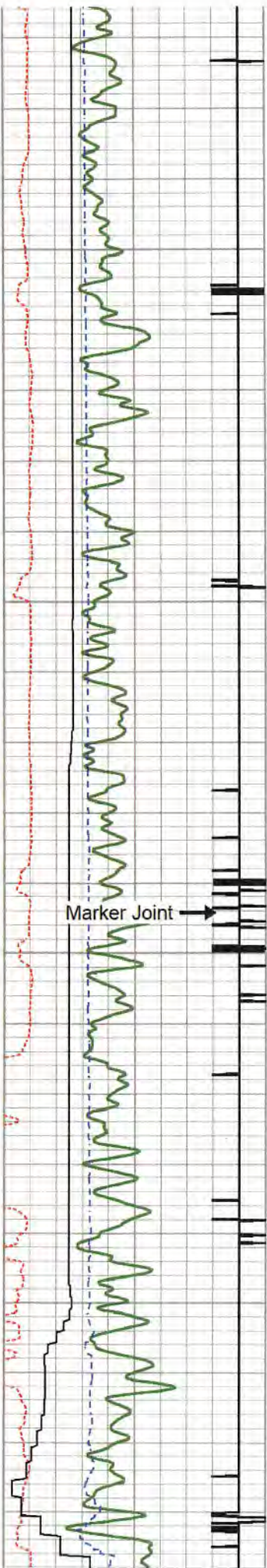
09/15/2023



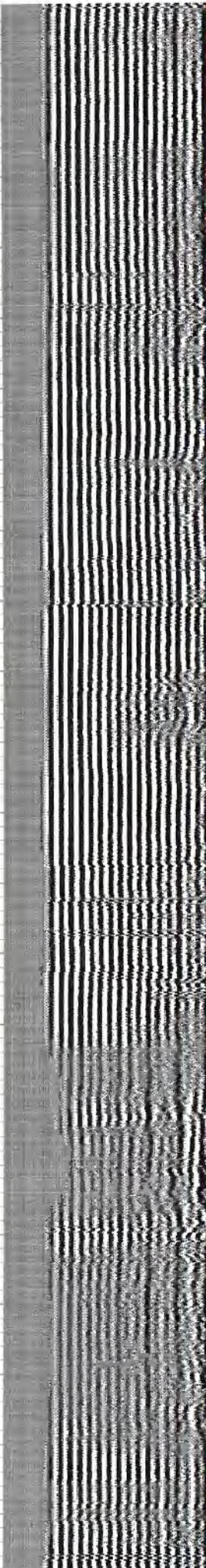
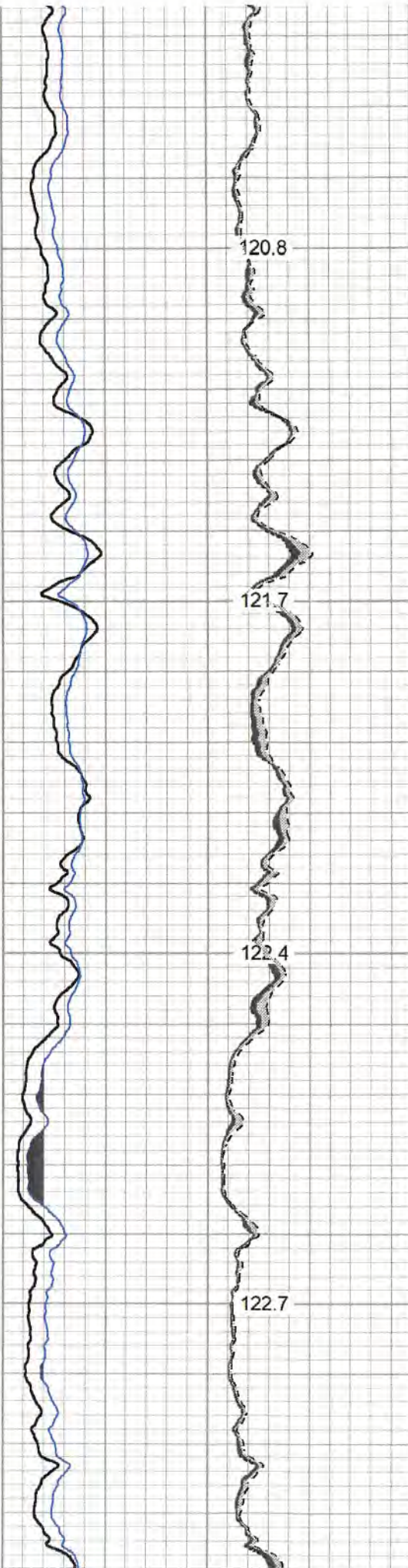
09/15/2023

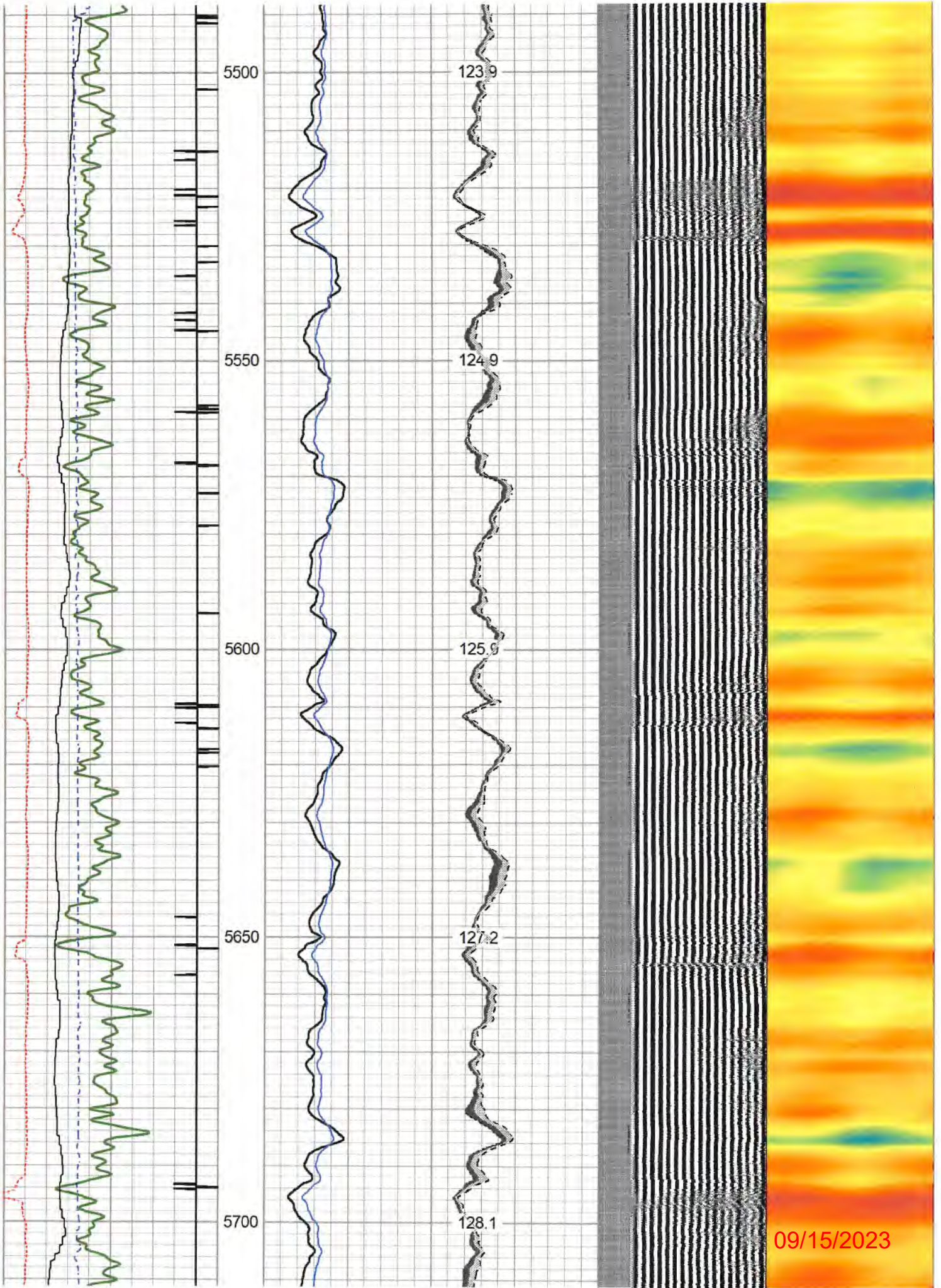


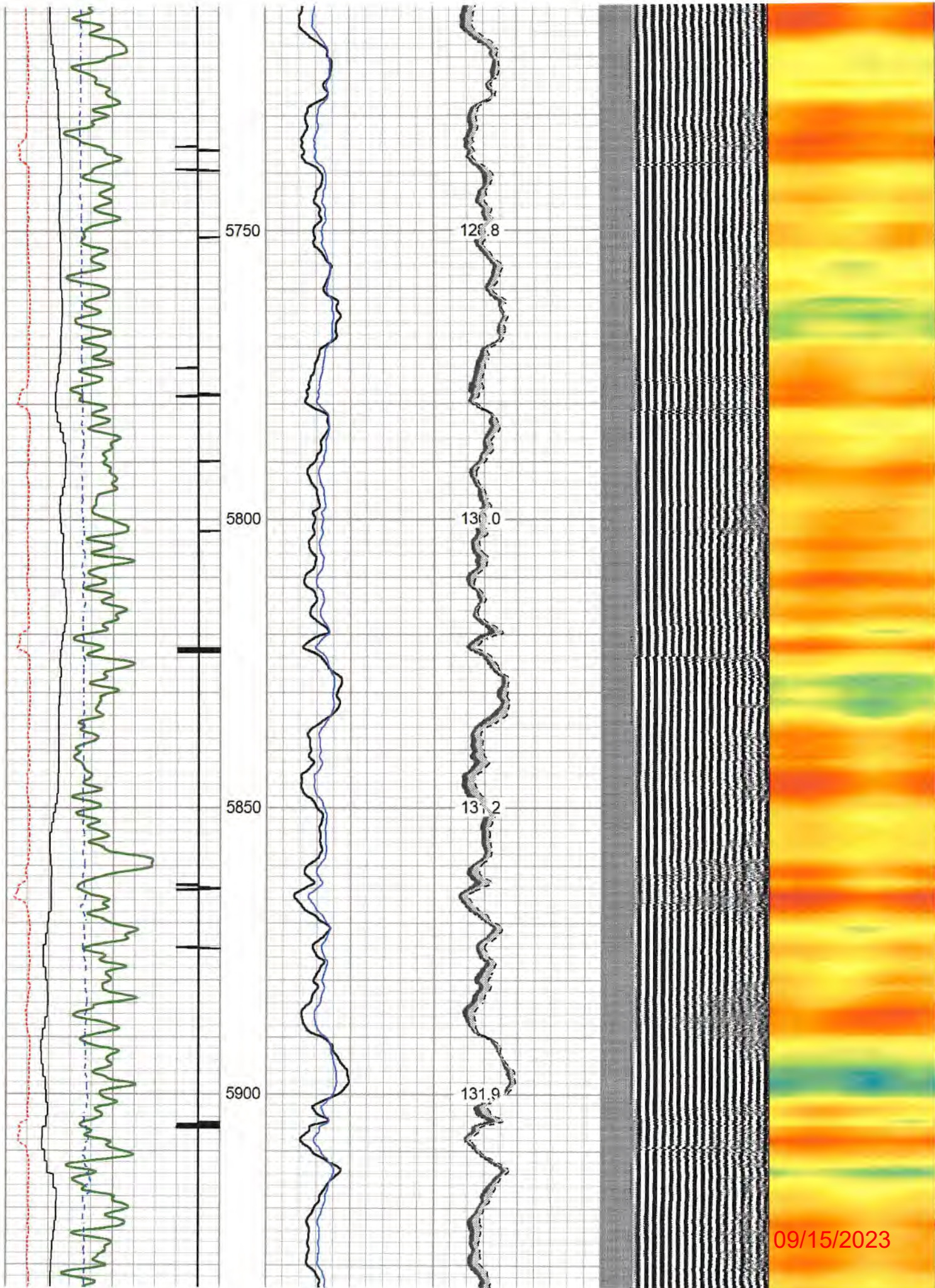


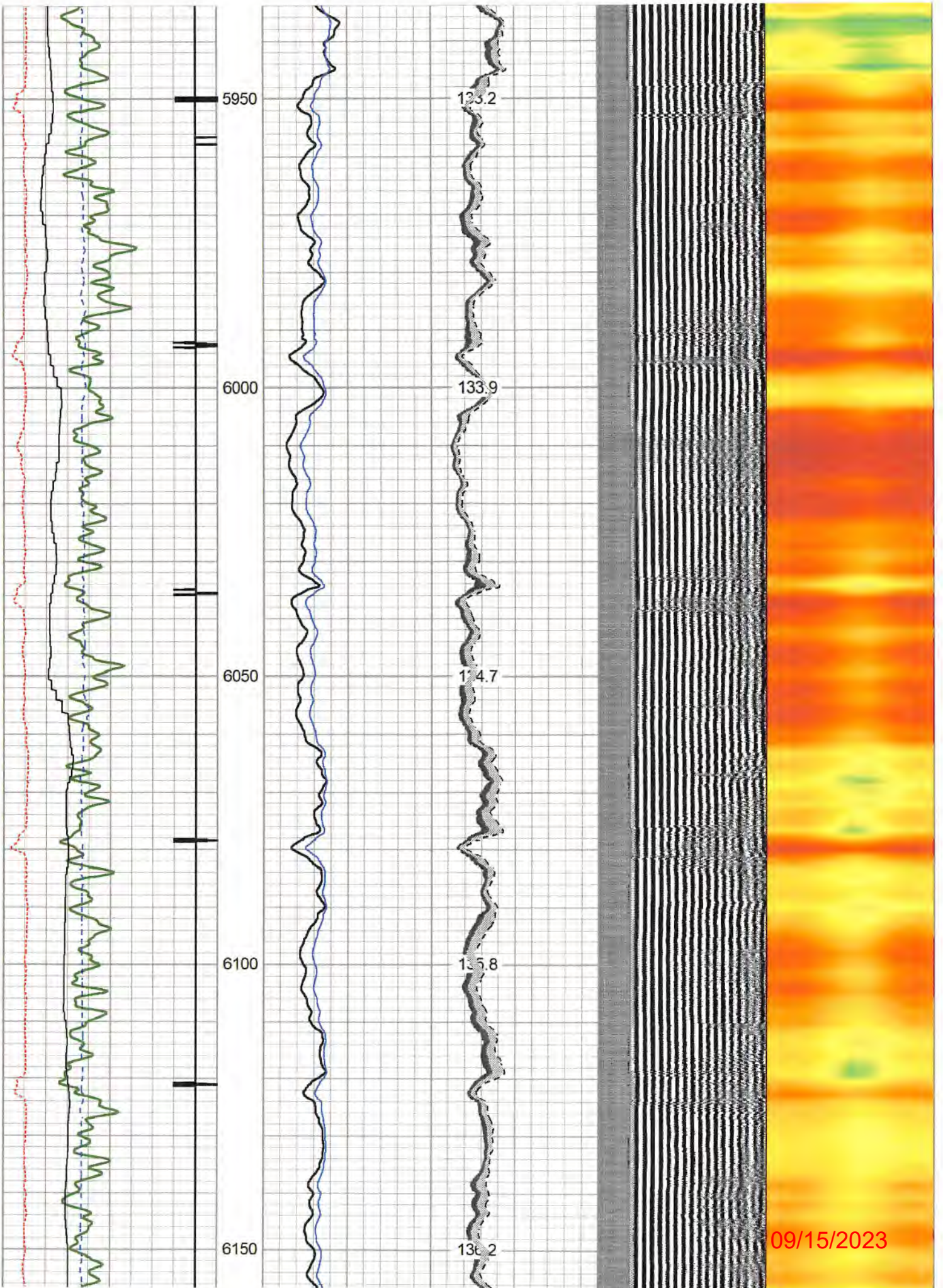


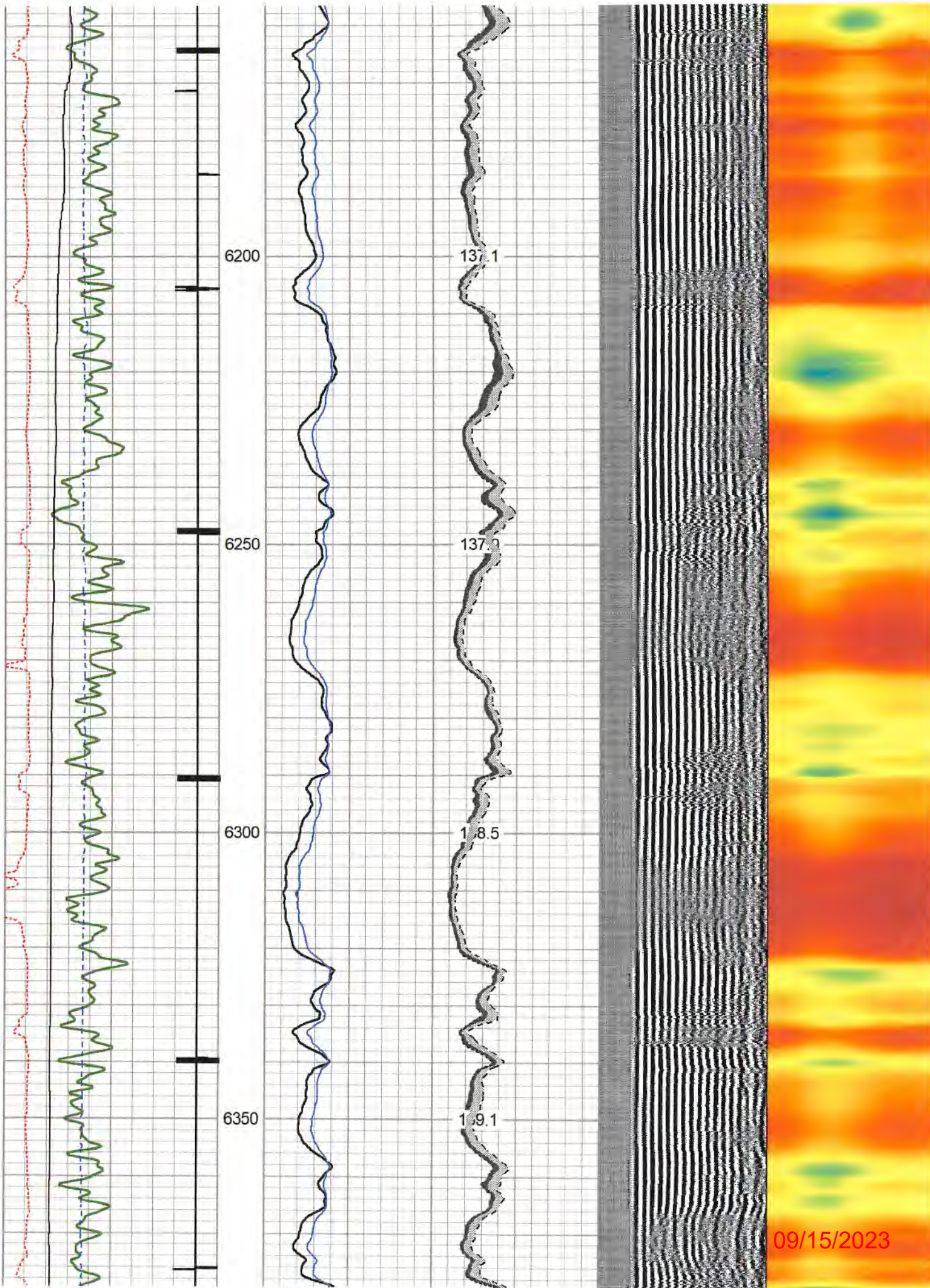
5300  
5350  
5400  
5450

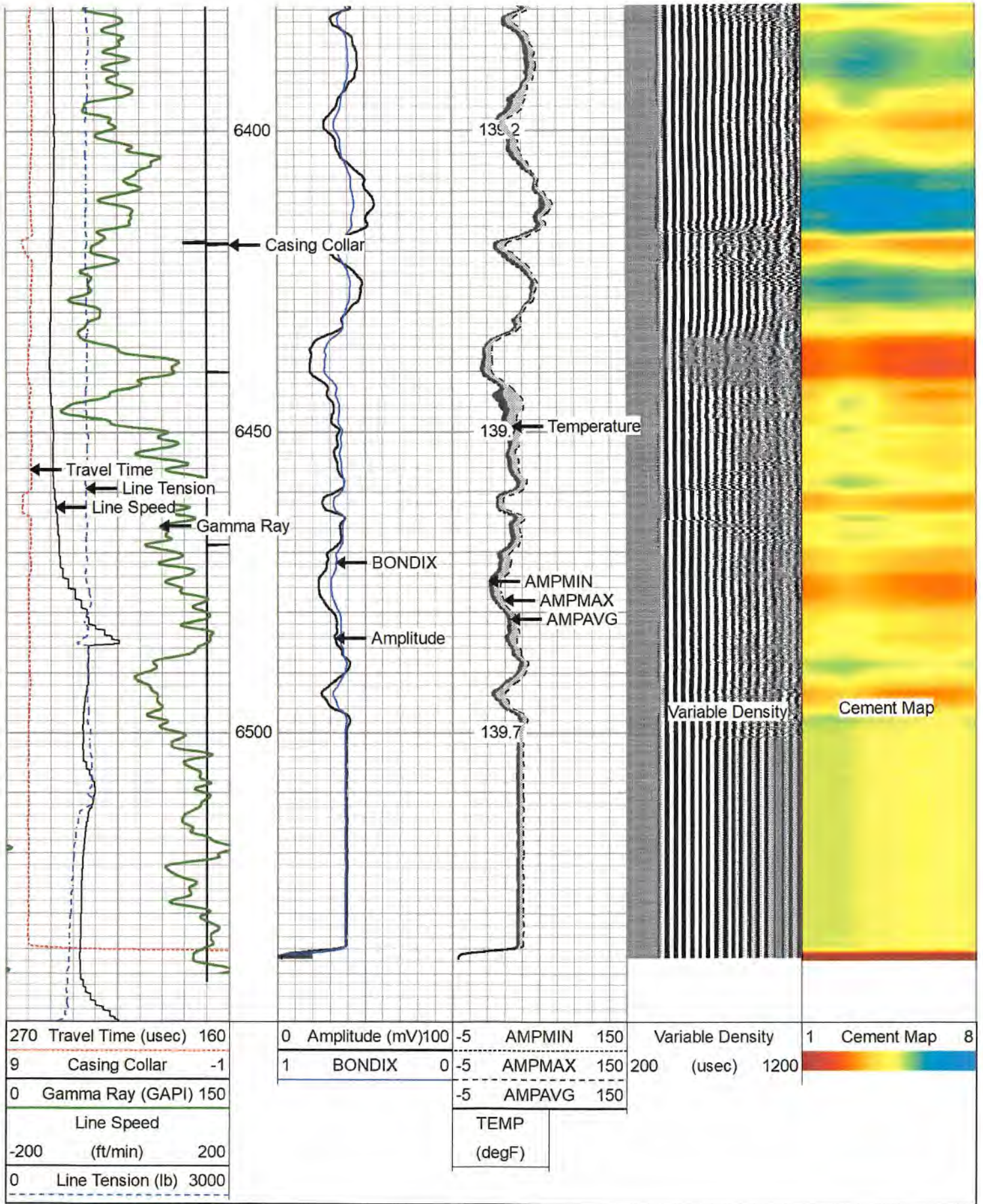






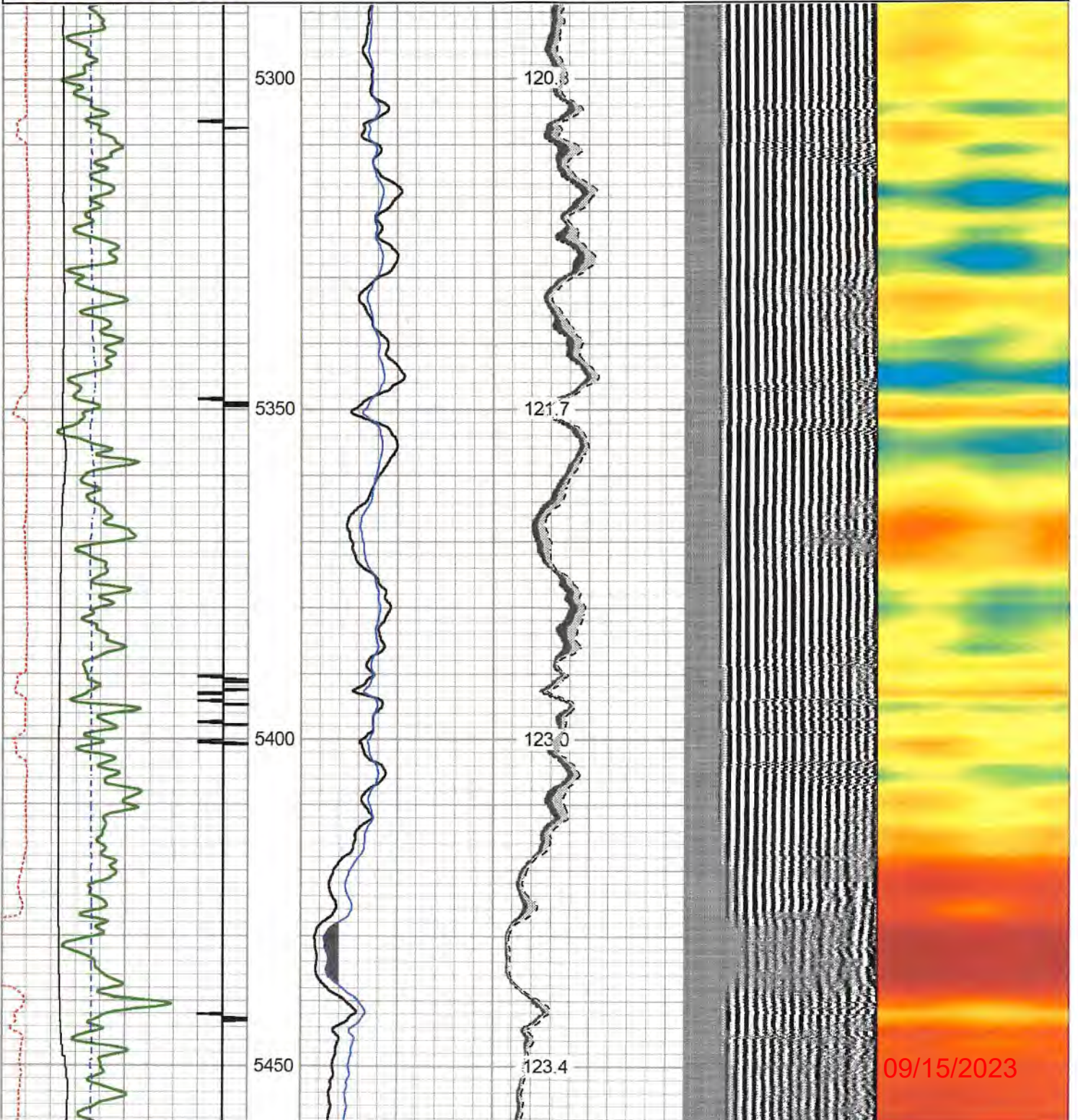




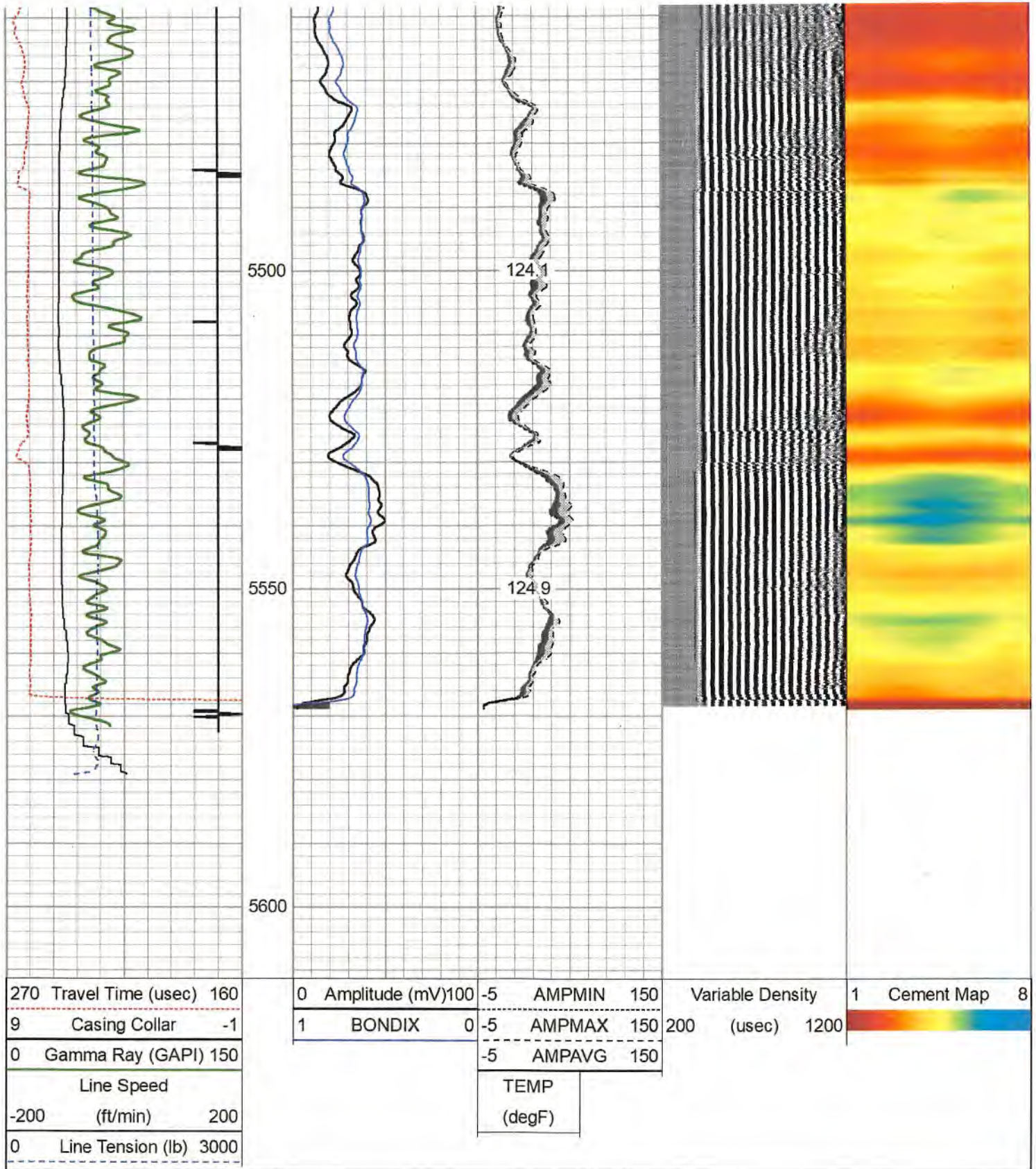


Database File antero\_clutter\_2h\_rcbl\_15\_sep\_2022.db  
 Dataset Pathname clutter\_2H/run1/pass4  
 Presentation Format rcbl-bond index 1020  
 Dataset Creation Fri Sep 16 02:47:11 2022  
 Charted by Depth in Feet scaled 1:240

270	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed						TEMP					
-200	(ft/min)	200					(degF)					
0	Line Tension (lb)	3000										







### Log Variables

DatabaseC:\ProgramData\Warrior\Data\antero\_clutter\_2h\_rcbl\_15\_sep\_2022.db  
 Dataset field/clutter\_2H/run1/pass6/\_vars\_

#### Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
	in	degF	in	in	lb/ft	mV	mV
TEMP	7.875	140	5.5	0.415	23	71.9	204
MINATTN	PERFS	PPT	SRFTEMP	TDEPTH			

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db/ft 9.6	No	usec 261	degF 70	ft 6700
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**Variable Description**

BHTEMP_Src : BHTEMP Input Source Selector	MINAMPL : Minimum Amplitude
BOREID : Borehole I.D.	MINATTN : Minimum Attenuation
BOTTEMP : Bottom Hole Temperature	PERFS : Perforation Flag
CASEOD : Casing O.D.	PPT : Predicted Pipe Time
CASETHCK : Casing Thickness	SRFTEMP : Surface Temperature
CASEWGHT : Casing Weight	TDEPTH : Total Depth
MAXAMPL : Maximum Amplitude	

**Calibration Report**

Database File antero\_clutter\_2h\_rcbl\_15\_sep\_2022.db  
Dataset Pathname clutter\_2H/run1/pass6  
Dataset Creation Fri Sep 16 02:54:24 2022

**Gamma Ray Calibration Report**

Serial Number: 275  
Tool Model: Probe  
Performed: Thu Apr 07 08:17:10 2016

Calibrator Value: 100.0 GAPI

Background Reading: 35.0 cps  
Calibrator Reading: 160.0 cps

Sensitivity: 0.5000 GAPI/cps

**Segmented Cement Bond Log Calibration Report**

Serial Number: FW1312-32  
Tool Model: Probe275T

Calibration Casing Diameter: 5.500 in  
Calibration Depth: 191.158 ft

Master Calibration, performed Fri Sep 16 00:13:48 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.010	0.704	3.400	71.921	98.818	2.382
CAL	0.846	0.967				
5'	0.008	0.702	3.400	71.921	98.785	2.608
SUM						
S1	0.001	0.722	0.000	100.000	138.577	-0.101
S2	0.002	0.691	0.000	100.000	145.135	-0.243
S3	0.001	0.753	0.000	100.000	132.905	-0.120
S4	0.000	0.728	0.000	100.000	137.364	-0.042
S5	-0.000	0.681	0.000	100.000	146.902	0.009
S6	-0.000	0.671	0.000	100.000	149.002	0.002
S7	-0.000	0.689	0.000	100.000	145.086	0.062
S8	0.000	0.725	0.000	100.000	138.080	-0.042

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset

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CAL 0.000 0.000 0.846 0.967 1.000 0.000

Air Zero Calibration, performed Thu Sep 15 21:55:09 2022:


	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
CHD	18.07		CHD-Titan Standard 1 7/16" Cable Head	1.02	1.44	1.00	
RBT HeadVolt	17.05 16.99						
CENT	15.78		CENT-Overbody Antelope (SP-919-0233)	1.67	4.88	5.00	
Temp	14.14						
WVFS8	11.91		RBT-Probe275T (FW1312-32) Probe 2.75" Radial with Integral Temperature Sub		9.39	2.75	90.00
WVFS7	11.91						
WVFS6	11.91						
WVFS5	11.91						
WVFS4	11.91						
WVFS3	11.91						
WVFS2	11.91						
WVFS1	11.91						
WVF3FT	11.91						
WVF5FT	10.91						
GR	7.66						
WVFCAL	7.66						
HEADVOLT	7.66						
CCL	6.75						
CENT	6.03						
GR	5.42		GR-Probe (275) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00	

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CENT	2.88		CENT-Overbody Antelope (SP-919-0233)	1.67	4.88	5.00
			CENT-Probe275 2.75" Centralizer	2.88	2.75	20.00

Dataset: antero\_clutter\_2h\_rcbl\_15\_sep\_2022.db: field/clutter\_2H/run1/pass6  
 Total length: 18.07 ft  
 Total weight: 178.00 lb  
 O.D.: 4.88 in

	<b>Nine</b>	<b>Company</b>	Antero Resources
		<b>Well</b>	Elden Cluster 2H
		<b>Field</b>	River Front
		<b>County</b>	Tyler
		<b>State</b>	WV